

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056216.D
 Acq On : 11 Jun 2019 12:16
 Operator : JC/SP
 Sample : VN0611WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

Quant Time: Jun 12 06:32:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	282155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	400252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	360810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144860	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	142071	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	7.59	113	128939	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
50) Toluene-d8	10.09	98	470149	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	152343	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	56975	18.605	ug/l	100
3) Chloromethane	2.06	50	58406	19.096	ug/l	99
4) Vinyl Chloride	2.18	62	59719	19.465	ug/l	100
5) Bromomethane	2.54	94	36425	18.795	ug/l	98
6) Chloroethane	2.68	64	33841	19.024	ug/l	96
7) Trichlorofluoromethane	3.01	101	76319	19.486	ug/l	99
8) Diethyl Ether	3.40	74	30396	18.872	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	47428	19.934	ug/l	97
10) Methyl Iodide	3.94	142	66752	17.655	ug/l	99
11) Tert butyl alcohol	4.81	59	41791	85.719	ug/l	98
12) 1,1-Dichloroethene	3.72	96	46215	19.511	ug/l	97
13) Acrolein	3.60	56	11992	85.287	ug/l	97
14) Allyl chloride	4.31	41	72293	19.329	ug/l	99
15) Acrylonitrile	4.99	53	130545	109.998	ug/l	100
16) Acetone	3.82	43	121273	90.509	ug/l	98
17) Carbon Disulfide	4.04	76	99876	17.610	ug/l	100
18) Methyl Acetate	4.33	43	60457	22.654	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	150815	19.975	ug/l	99
20) Methylene Chloride	4.54	84	54650	19.797	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	48390	19.067	ug/l	97
22) Diisopropyl ether	5.95	45	152541	19.730	ug/l	97
23) Vinyl Acetate	5.90	43	607256	99.736	ug/l	99
24) 1,1-Dichloroethane	5.84	63	89828	20.141	ug/l	98
25) 2-Butanone	6.84	43	177067	104.593	ug/l	99
26) 2,2-Dichloropropane	6.82	77	59328	17.048	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	59301	19.878	ug/l	96
28) Bromochloromethane	7.19	49	45404	21.528	ug/l	97
29) Tetrahydrofuran	7.22	42	111605	106.650	ug/l	98
30) Chloroform	7.37	83	94364	21.033	ug/l	100
31) Cyclohexane	7.65	56	80151	18.030	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	75652	20.193	ug/l	99
36) 1,1-Dichloropropene	7.79	75	64658	18.787	ug/l	99
37) Ethyl Acetate	6.93	43	66197	21.617	ug/l	100
38) Carbon Tetrachloride	7.77	117	65179	20.542	ug/l	100

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Quant Time: Jun 12 06:32:41 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	76214	17.777	ug/l	100
40) Benzene	8.04	78	213882	20.461	ug/l	100
41) Methacrylonitrile	7.18	41	30626	21.737	ug/l	91
42) 1,2-Dichloroethane	8.12	62	69348	20.625	ug/l	100
43) Isopropyl Acetate	8.17	43	99946	20.142	ug/l #	91
44) Trichloroethene	8.83	130	60405	20.111	ug/l	95
45) 1,2-Dichloropropane	9.12	63	54922	20.513	ug/l	98
46) Dibromomethane	9.21	93	37331	21.322	ug/l	98
47) Bromodichloromethane	9.40	83	68489	21.583	ug/l	98
48) Methyl methacrylate	9.20	41	49863	20.540	ug/l	97
49) 1,4-Dioxane	9.20	88	22273	424.976	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	330347	106.457	ug/l	100
52) Toluene	10.16	92	131399	20.201	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	62900	18.494	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	76457	20.045	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	54312	21.080	ug/l	96
56) Ethyl methacrylate	10.43	69	75317	20.037	ug/l	98
57) 1,3-Dichloropropane	10.71	76	89694	21.414	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	120495	90.915	ug/l	99
59) 2-Hexanone	10.75	43	232761	103.492	ug/l	100
60) Dibromochloromethane	10.90	129	56630	21.403	ug/l	97
61) 1,2-Dibromoethane	11.00	107	56664	21.513	ug/l	100
64) Tetrachloroethene	10.63	164	62534	20.022	ug/l	96
65) Chlorobenzene	11.43	112	142262	19.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	53507	21.580	ug/l	99
67) Ethyl Benzene	11.51	91	240380	19.251	ug/l	100
68) m/p-Xylenes	11.62	106	184083	38.593	ug/l	98
69) o-Xylene	11.95	106	91335	19.466	ug/l	98
70) Styrene	11.96	104	145047	19.457	ug/l	99
71) Bromoform	12.13	173	40314	21.046	ug/l #	99
73) Isopropylbenzene	12.25	105	239479	21.829	ug/l	100
74) N-amyl acetate	12.07	43	77364	20.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	76495	22.747	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	83852	31.458	ug/l #	100
77) Bromobenzene	12.53	156	64485	20.792	ug/l	96
78) n-propylbenzene	12.59	91	240624	19.635	ug/l	99
79) 2-Chlorotoluene	12.67	91	150998	20.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	193411	19.858	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	14532	18.156	ug/l #	82
82) 4-Chlorotoluene	12.77	91	139889	19.511	ug/l	100
83) tert-Butylbenzene	12.99	119	177237	21.921	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	183033	19.817	ug/l	98
85) sec-Butylbenzene	13.17	105	217053	19.999	ug/l	100
86) p-Isopropyltoluene	13.29	119	188615	19.419	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	93810	19.543	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87814	19.018	ug/l	99
89) n-Butylbenzene	13.61	91	123101	17.109	ug/l	99
90) Hexachloroethane	13.87	117	31211	21.307	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	97733	20.167	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10743	22.335	ug/l	97

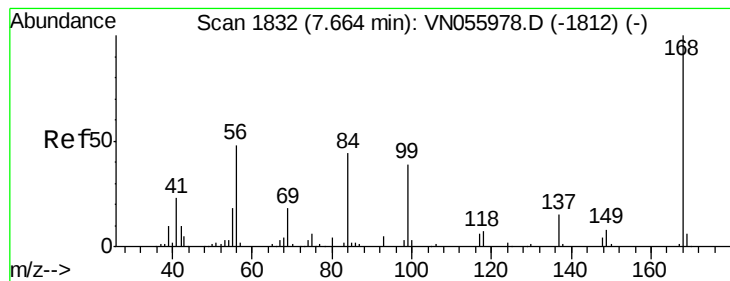
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34483	16.079	ug/l	100
94) Hexachlorobutadiene	15.01	225	38696	22.118	ug/l	98
95) Naphthalene	15.13	128	93786	16.345	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41451	17.338	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

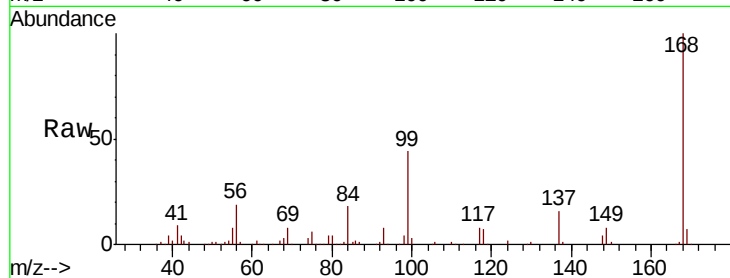
VN0611WBS01

Tot Ion:168 Resp: 282155

Ion Ratio Lower Upper

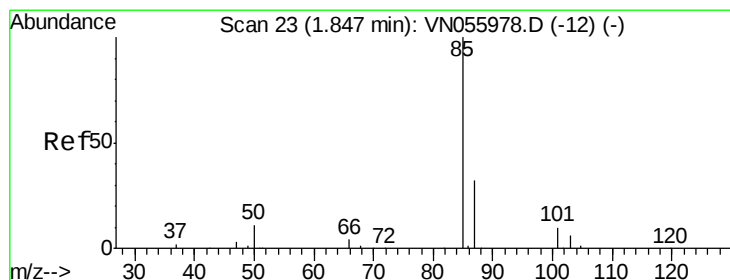
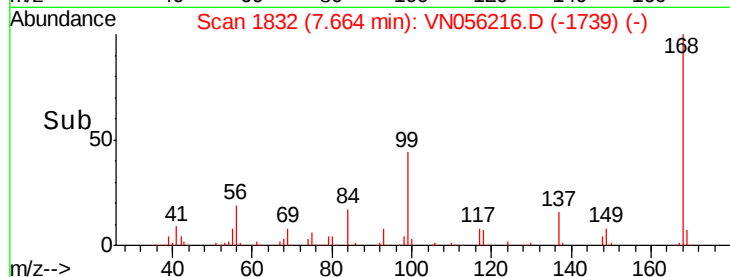
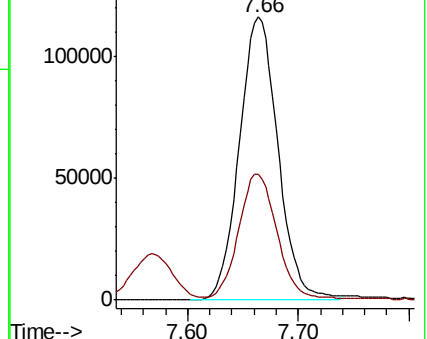
168 100

99 43.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.605 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056216.D

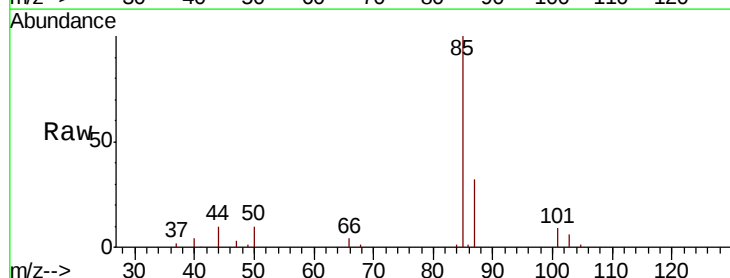
Acq: 11 Jun 2019 12:16

Tgt Ion: 85 Resp: 56975

Ion Ratio Lower Upper

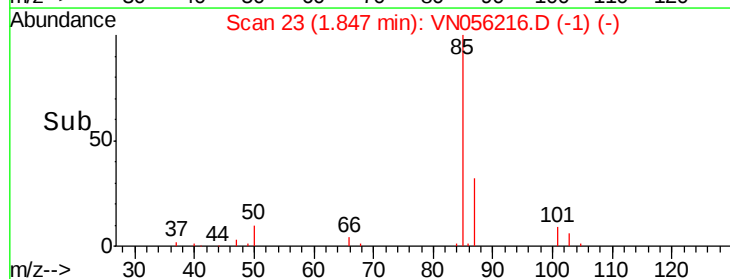
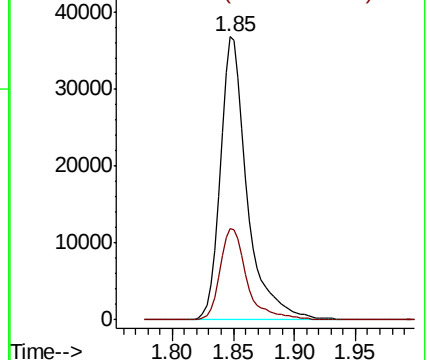
85 100

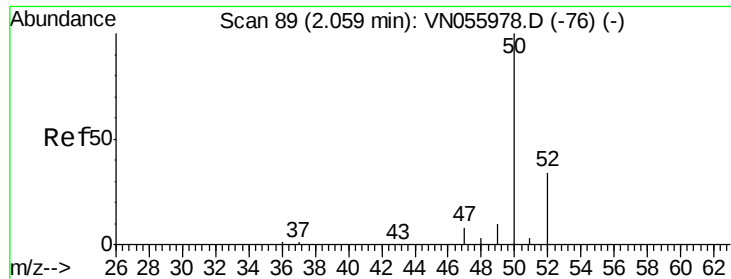
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.096 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

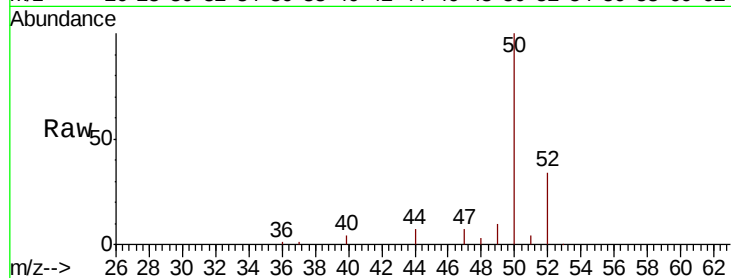
VN0611WBS01

Tot Ion: 50 Resp: 58406

Ion Ratio Lower Upper

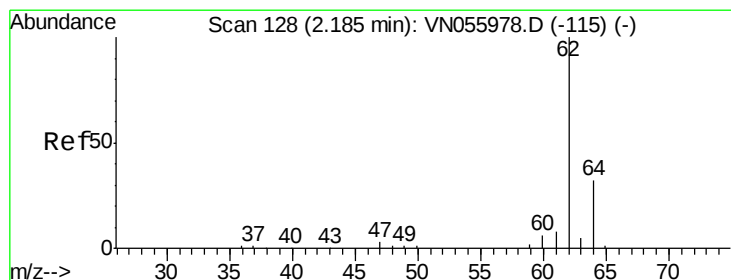
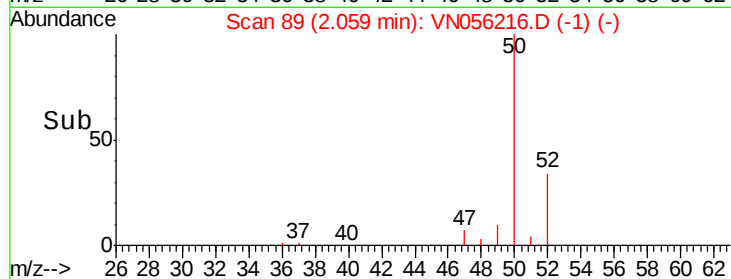
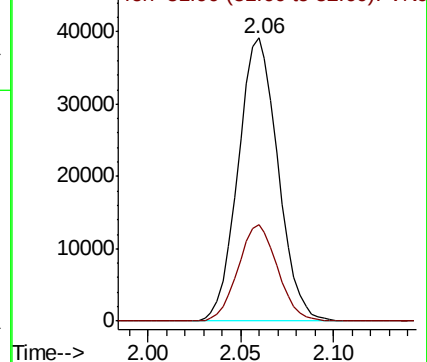
50 100

52 34.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.465 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056216.D

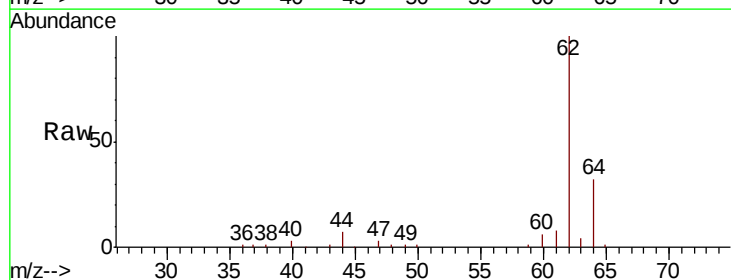
Acq: 11 Jun 2019 12:16

Tgt Ion: 62 Resp: 59719

Ion Ratio Lower Upper

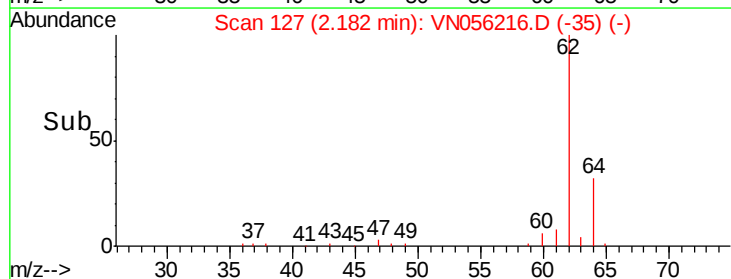
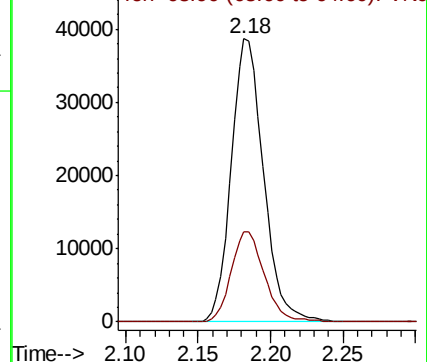
62 100

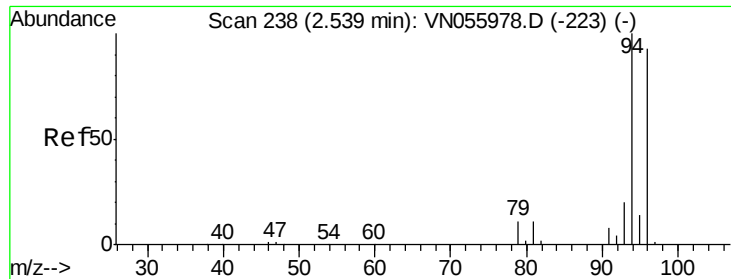
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

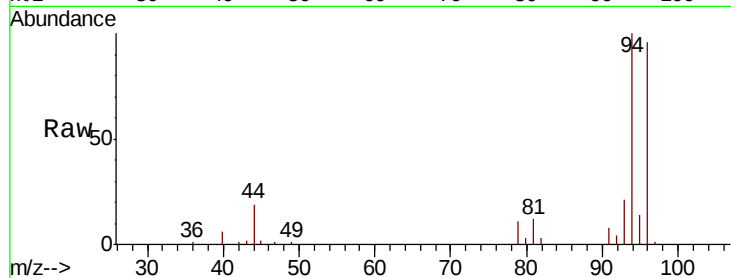




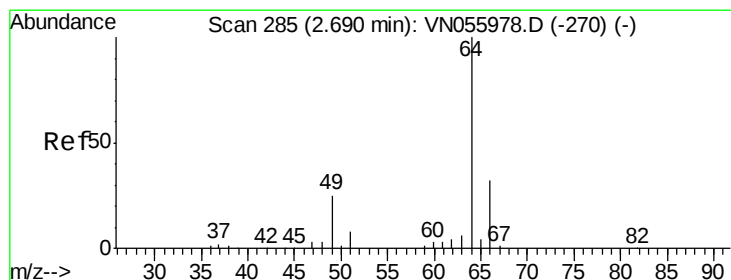
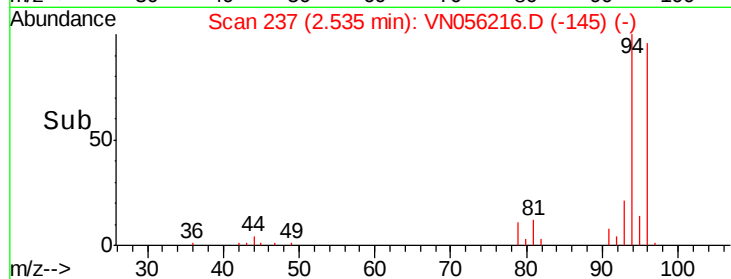
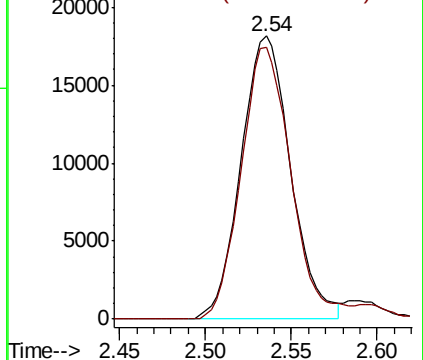
#5
Bromomethane
Concen: 18.795 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion: 94 Resp: 36425
Ion Ratio Lower Upper
94 100
96 95.9 75.5 113.3

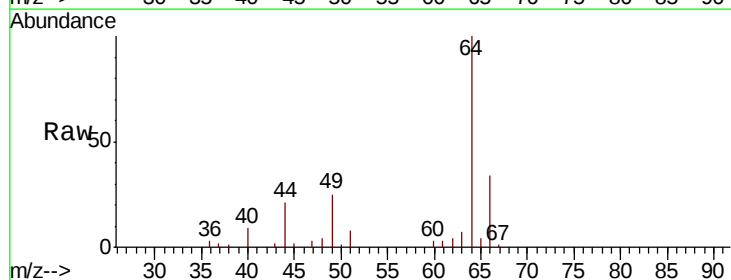


Abundance Ion 93.90 (93.60 to 94.60): VNC
Ion 95.90 (95.60 to 96.60): VNC

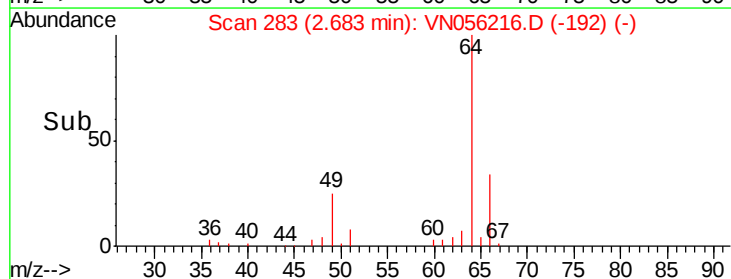
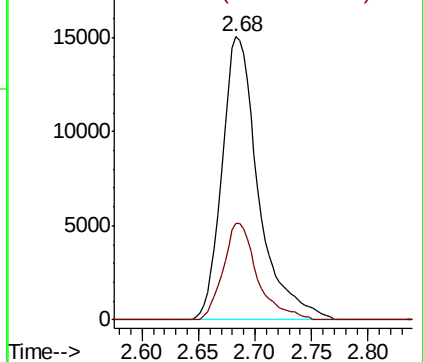


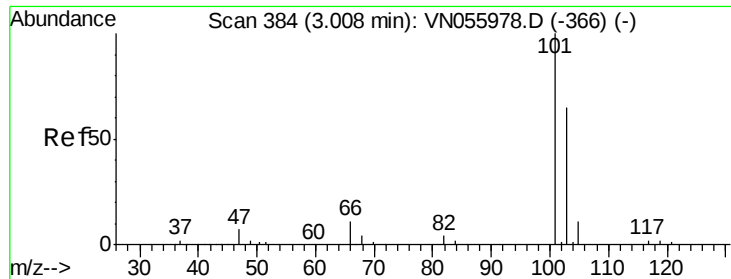
#6
Chloroethane
Concen: 19.024 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 64 Resp: 33841
Ion Ratio Lower Upper
64 100
66 34.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNC
Ion 65.90 (65.60 to 66.60): VNC



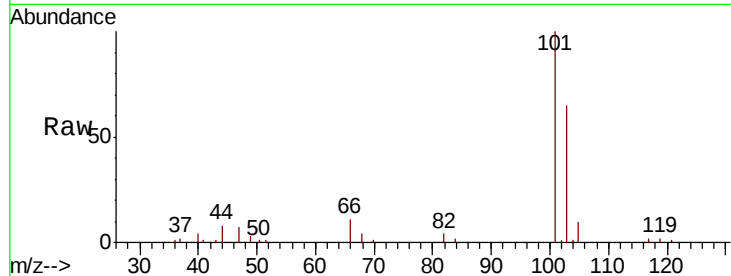


#7

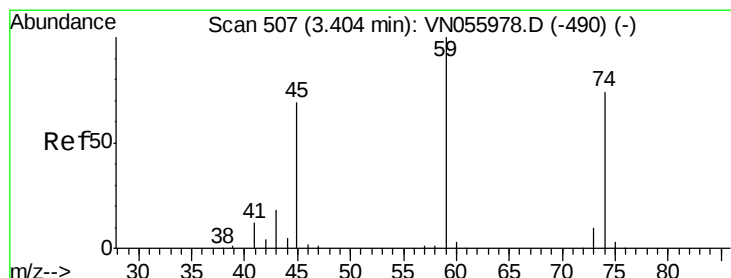
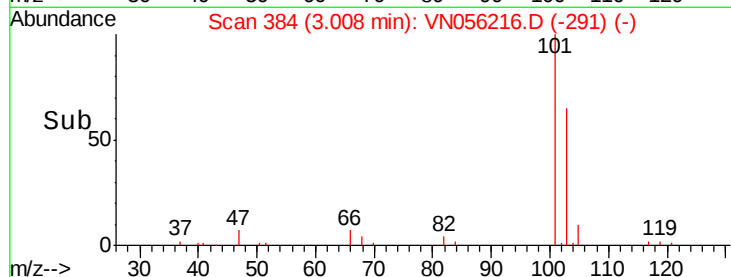
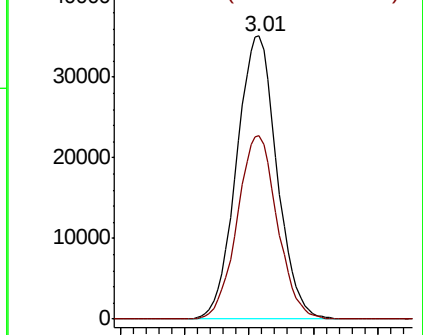
Trichlorofluoromethane
 Concen: 19.486 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

Tot Ion:101 Resp: 76319
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.2 76.8



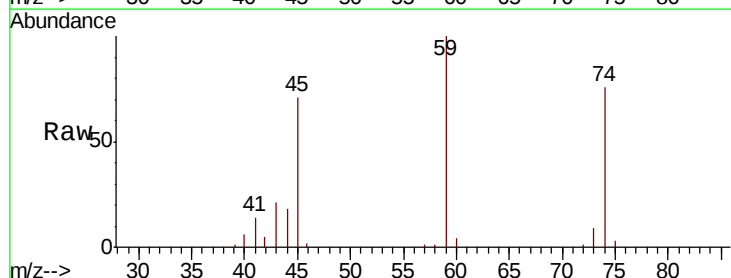
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



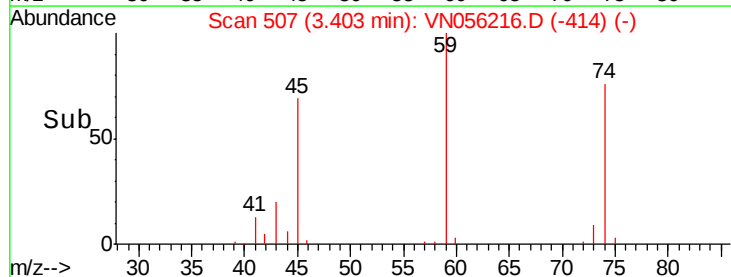
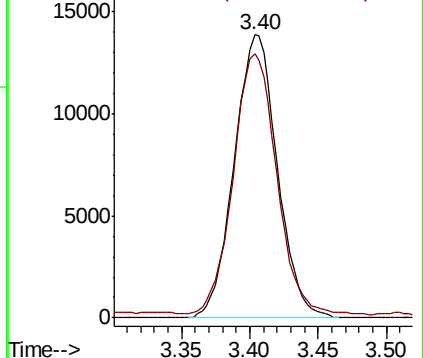
#8

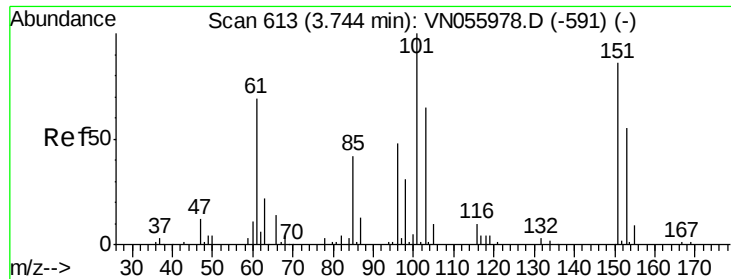
Diethyl Ether
 Concen: 18.872 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion: 74 Resp: 30396
 Ion Ratio Lower Upper
 74 100
 45 94.8 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.934 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

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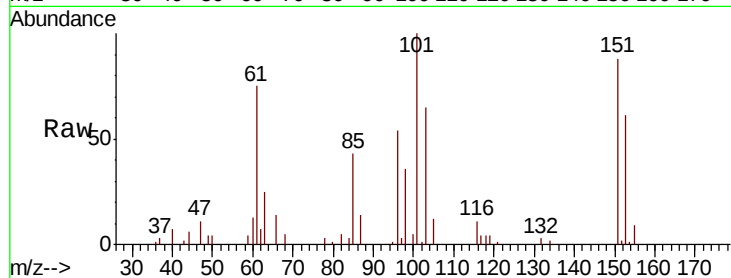
Tot Ion:101 Resp: 47428

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.2

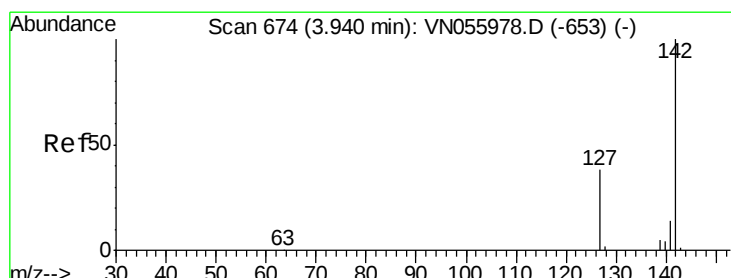
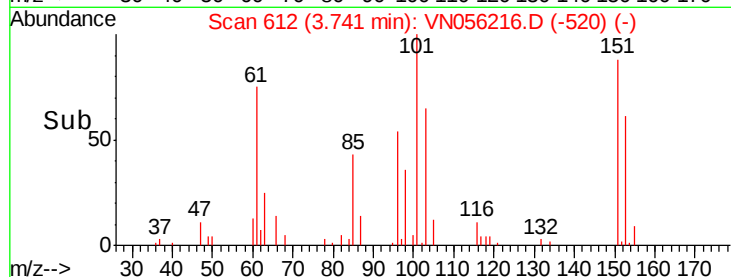
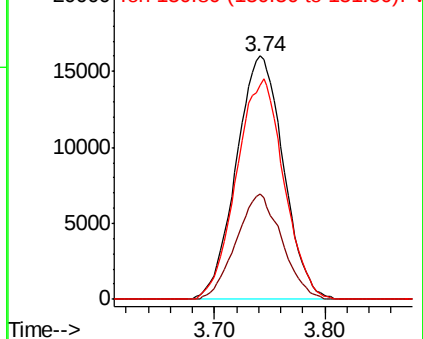
151 91.1 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.655 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

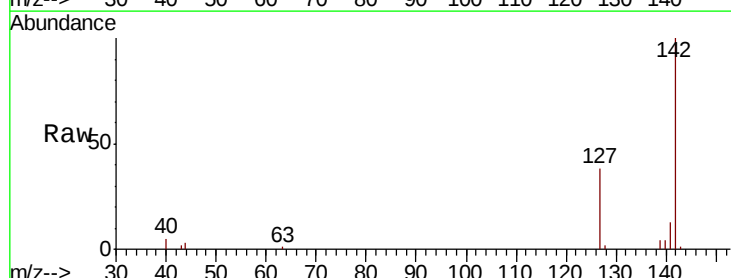
Tgt Ion:142 Resp: 66752

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.4

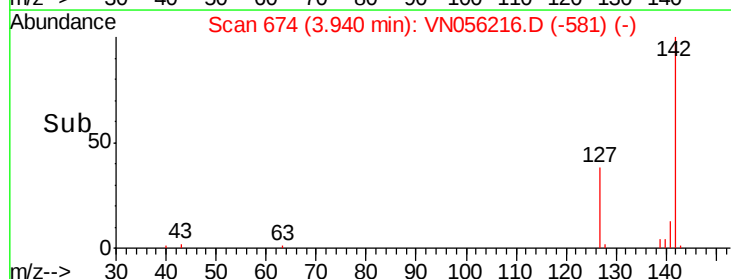
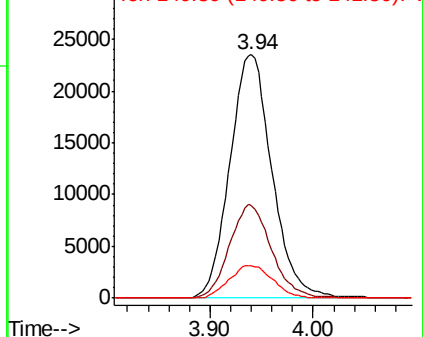
141 13.8 11.4 17.0

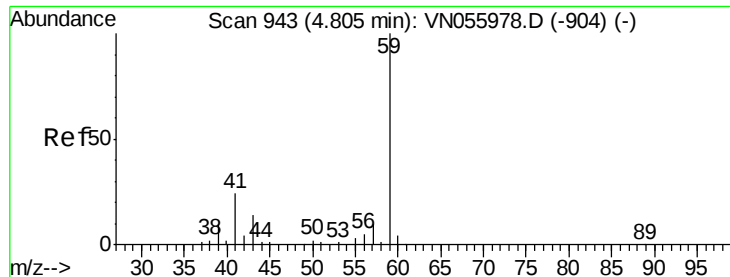


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



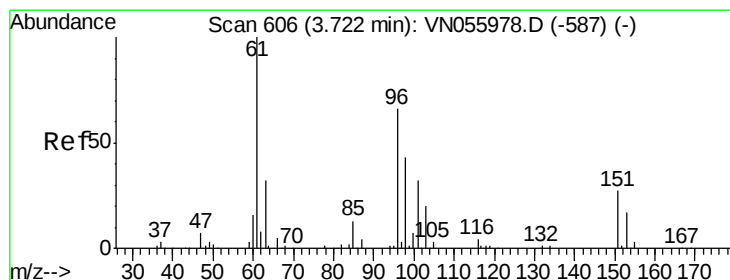
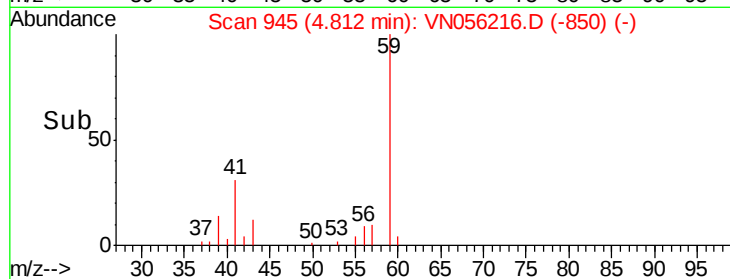
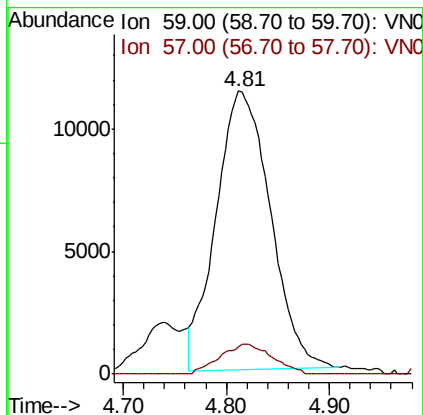
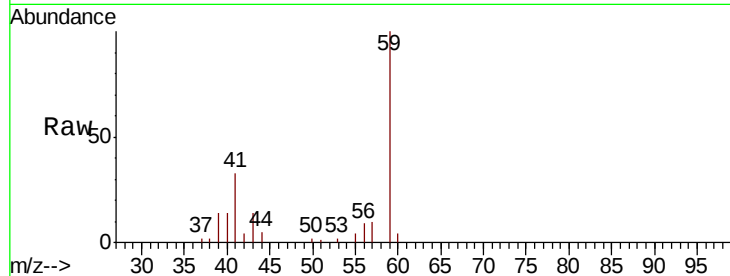


#11

Tert butyl alcohol
 Concen: 85.719 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0611WBS01

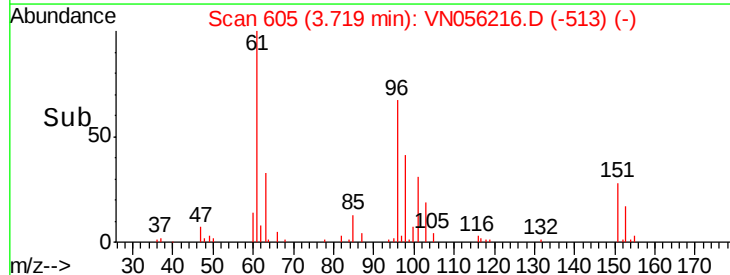
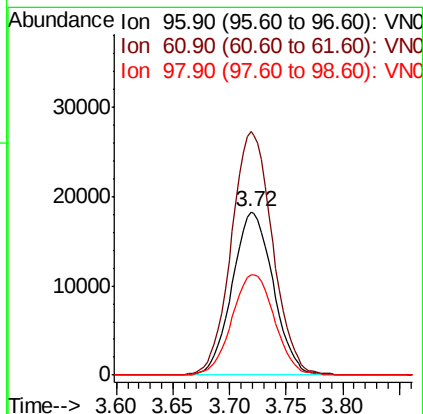
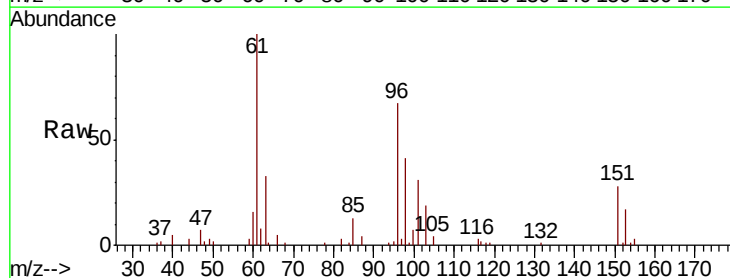
Tot Ion: 59 Resp: 41791
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.8 11.6

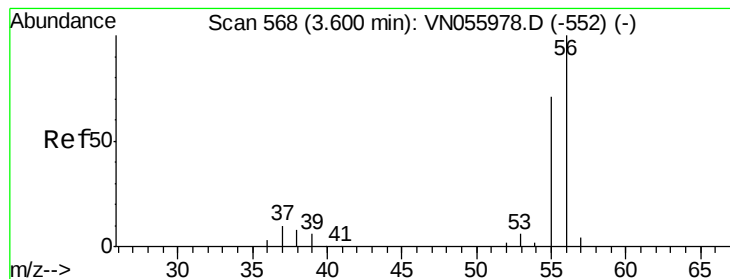


#12

1,1-Dichloroethene
 Concen: 19.511 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion: 96 Resp: 46215
 Ion Ratio Lower Upper
 96 100
 61 149.0 123.2 184.8
 98 61.6 50.4 75.6





#13

Acrolein

Concen: 85.287 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

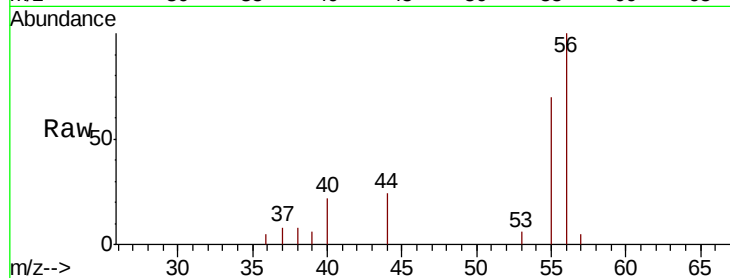
VN0611WBS01

Tot Ion: 56 Resp: 11992

Ion Ratio Lower Upper

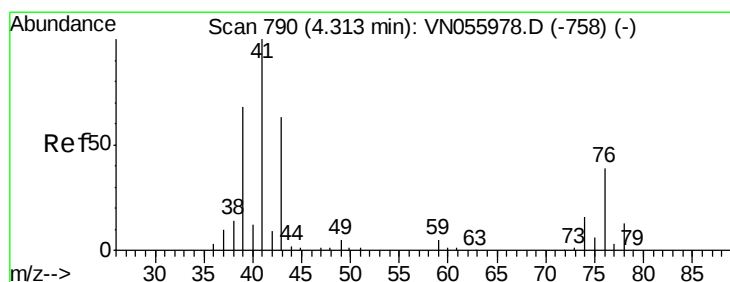
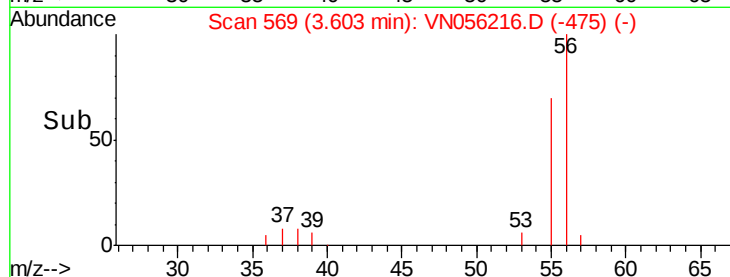
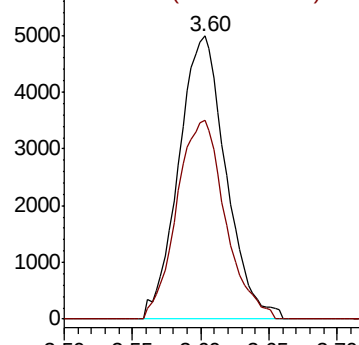
56 100

55 72.1 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.329 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

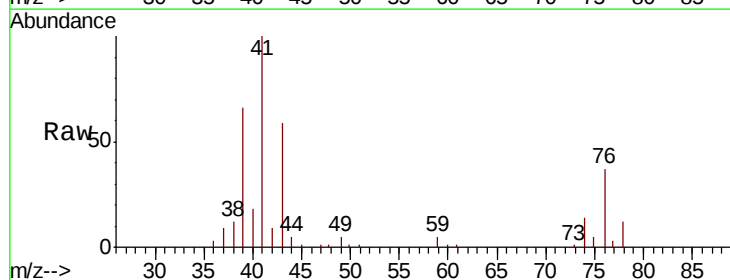
Tgt Ion: 41 Resp: 72293

Ion Ratio Lower Upper

41 100

39 61.8 50.0 75.0

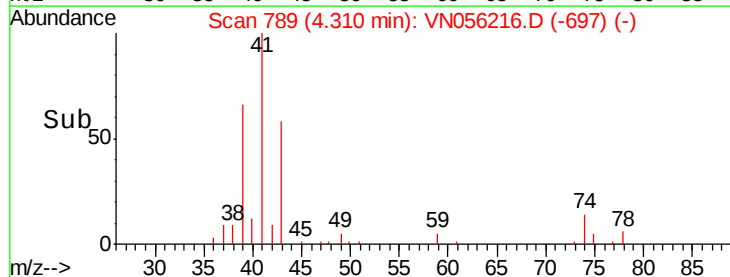
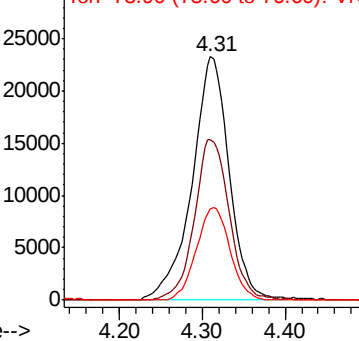
76 34.4 28.2 42.2

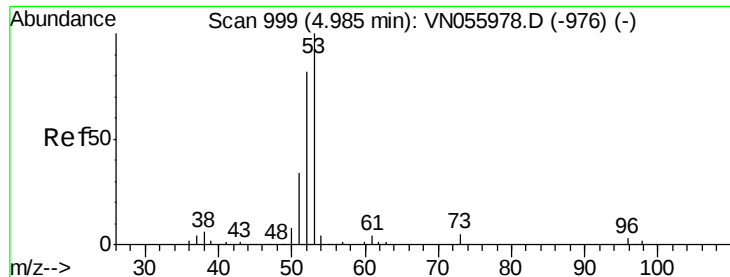


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 109.998 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

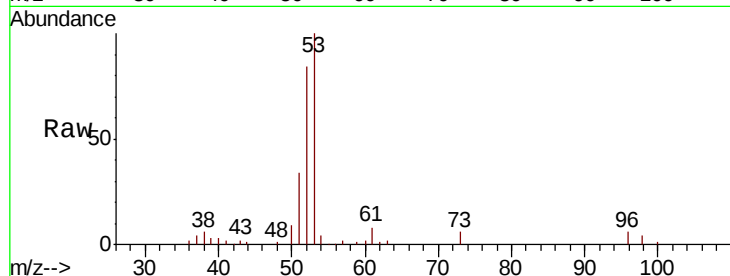
Tot Ion: 53 Resp: 130545

Ion Ratio Lower Upper

53 100

52 82.0 65.8 98.8

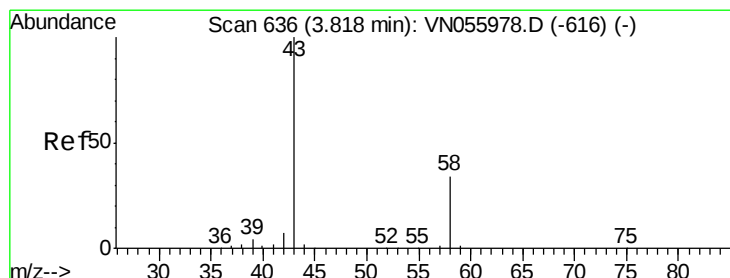
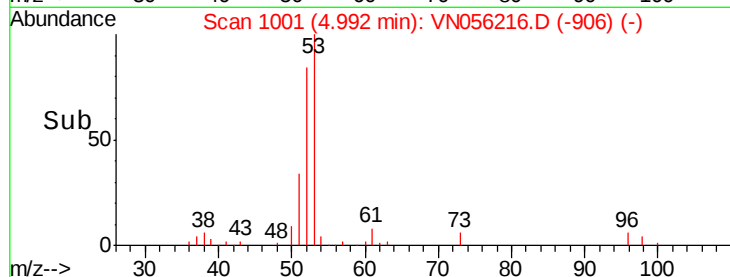
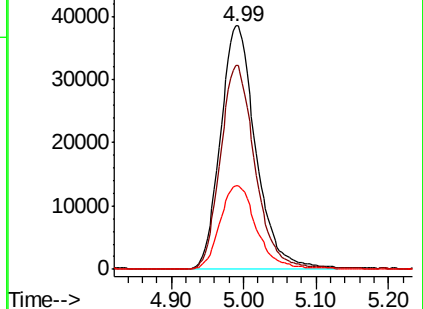
51 35.5 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 90.509 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056216.D

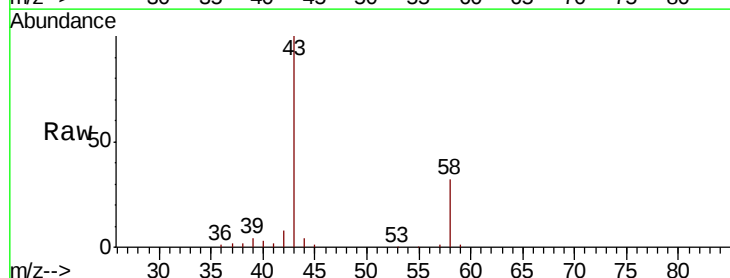
Acq: 11 Jun 2019 12:16

Tgt Ion: 43 Resp: 121273

Ion Ratio Lower Upper

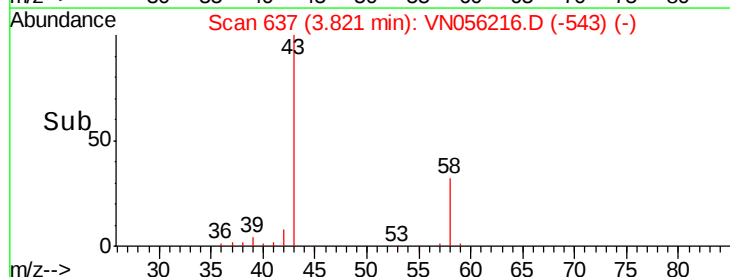
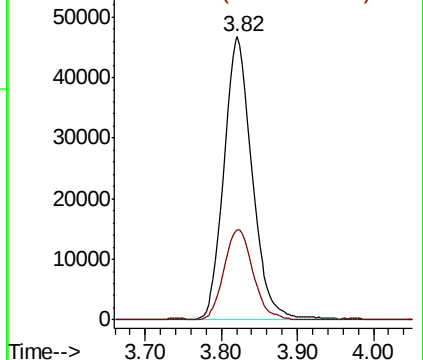
43 100

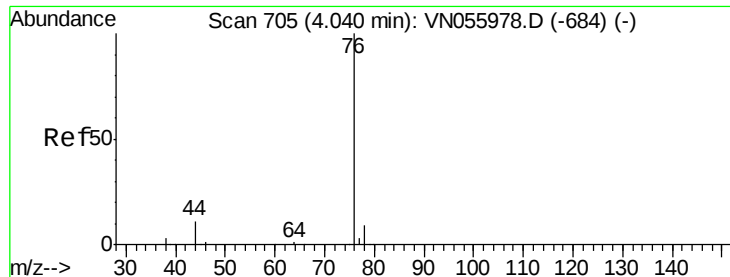
58 32.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

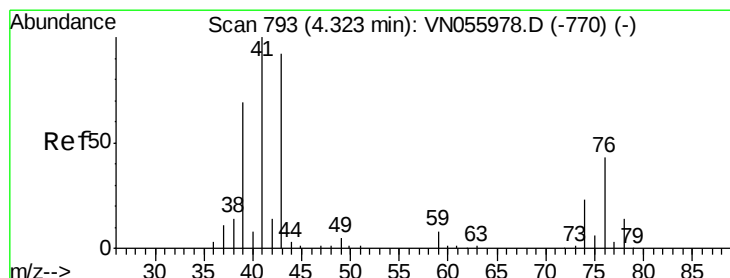
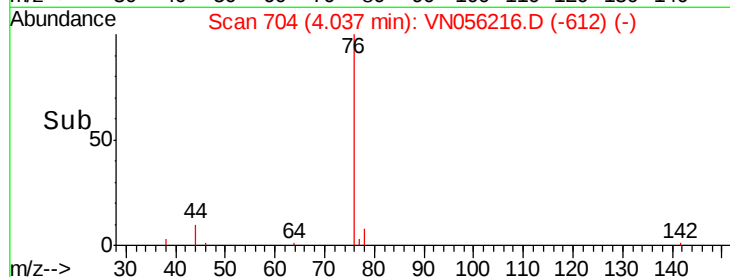
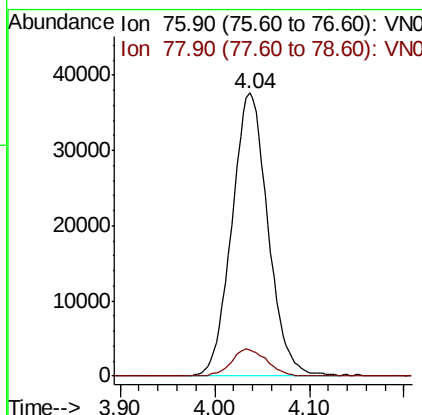
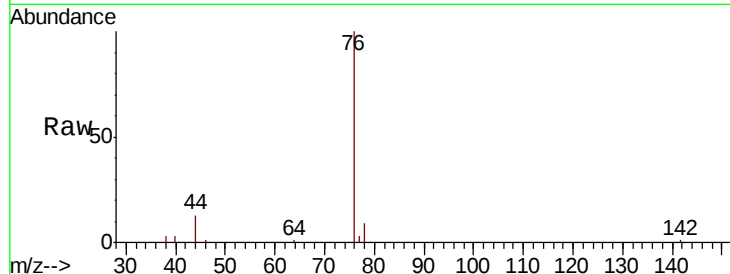




#17
Carbon Disulfide
Concen: 17.610 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

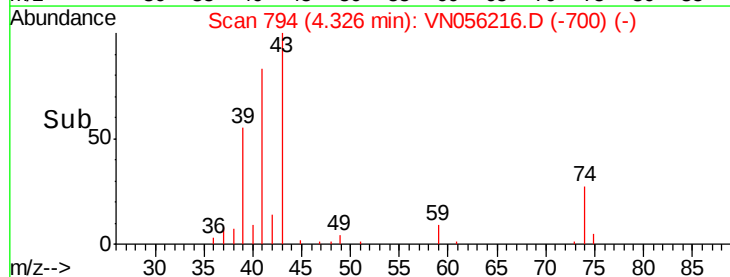
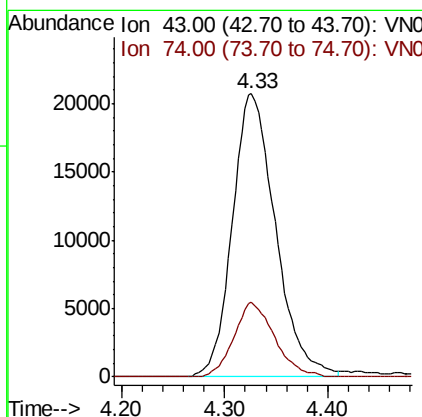
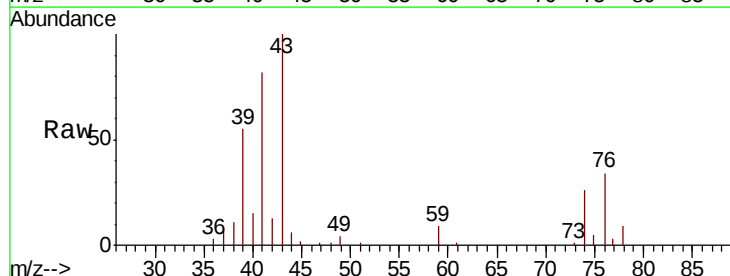
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

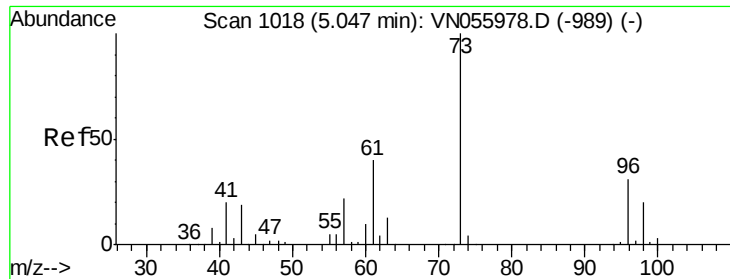
Tot Ion: 76 Resp: 99876
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 22.654 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 43 Resp: 60457
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9

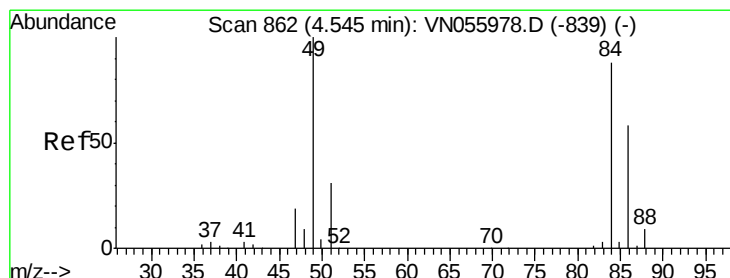
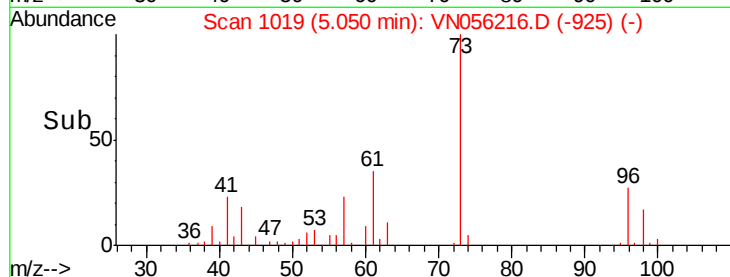
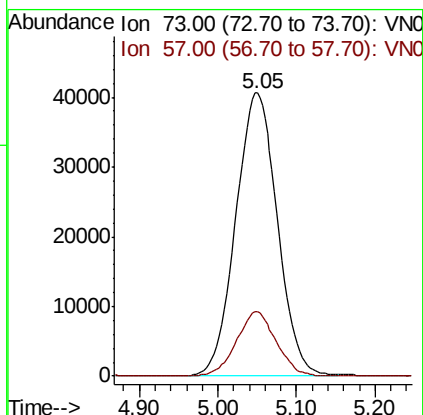
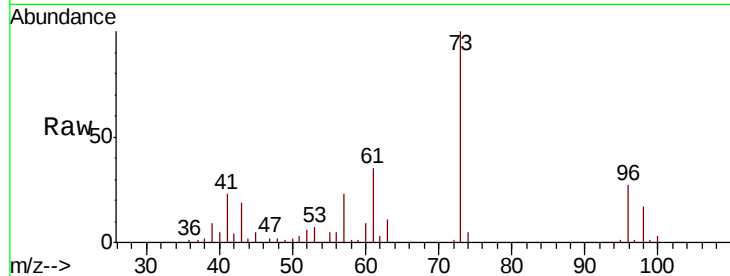




#19
Methvl tert-butvl Ether
Concen: 19.975 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

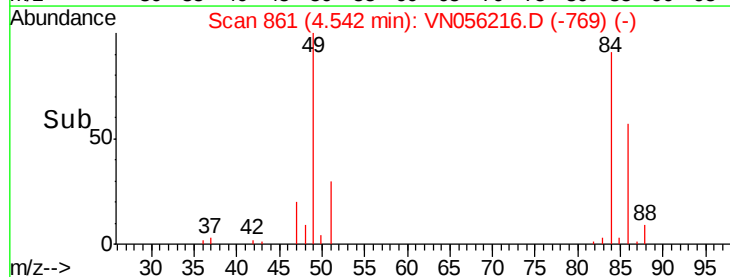
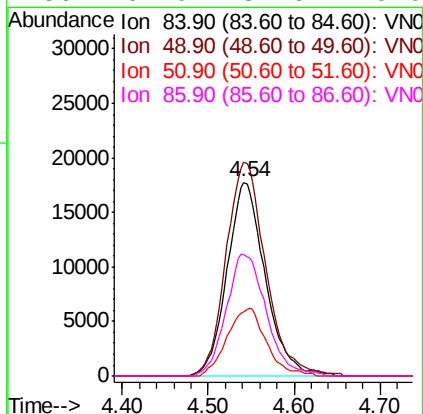
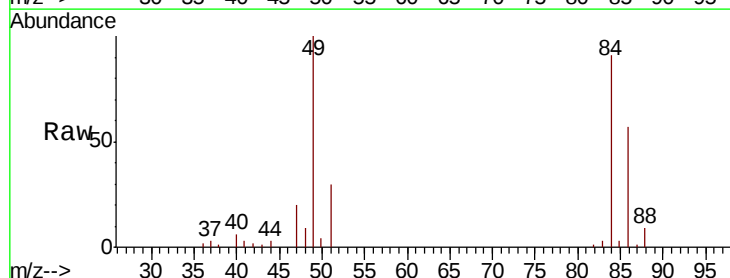
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

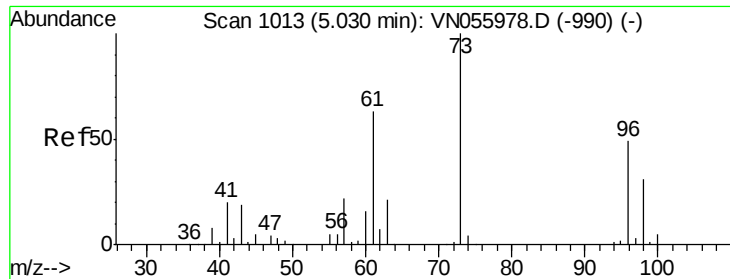
Tot Ion: 73 Resp: 150815
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.8



#20
Methylene Chloride
Concen: 19.797 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 84 Resp: 54650
Ion Ratio Lower Upper
84 100
49 110.2 93.5 140.3
51 33.0 28.6 43.0
86 62.9 52.6 79.0

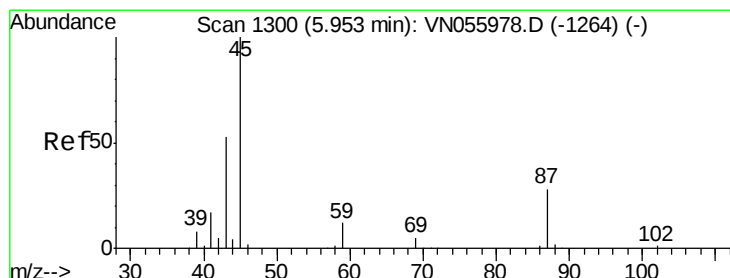
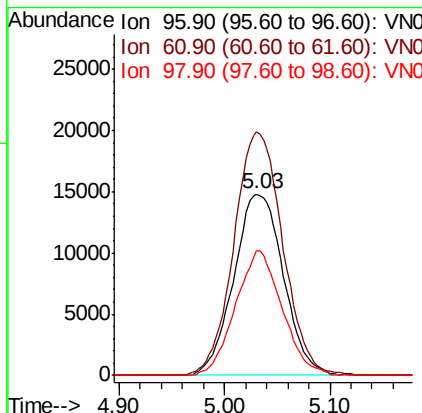
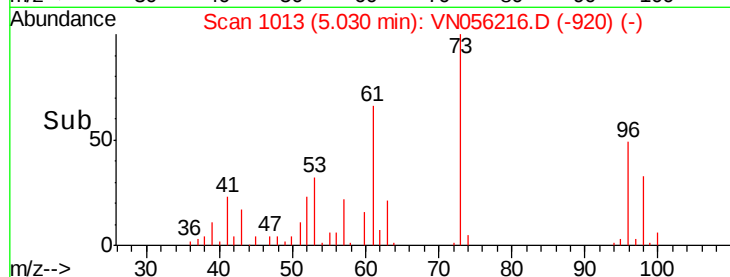
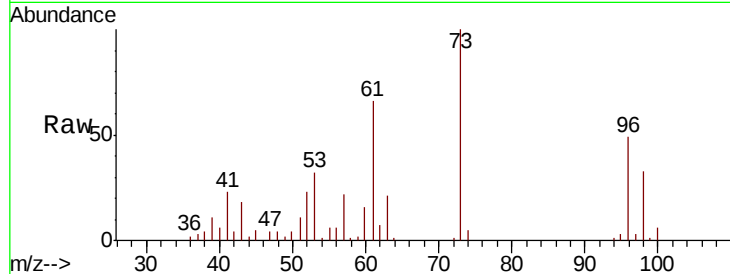




#21
trans-1,2-Dichloroethene
Concen: 19.067 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

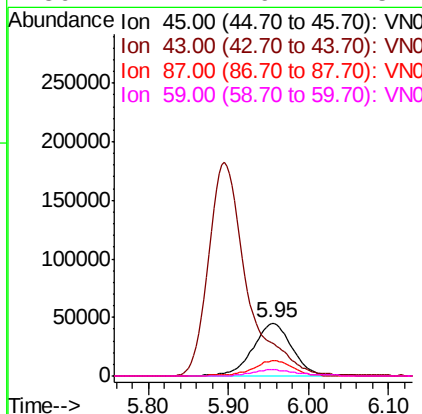
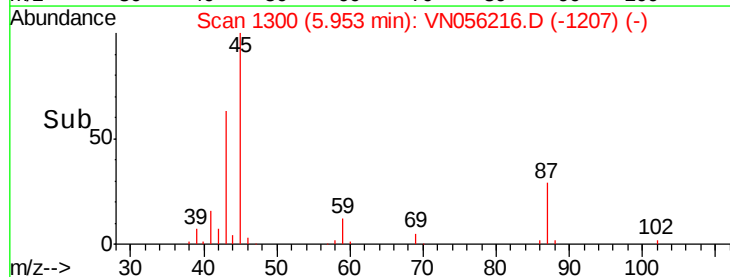
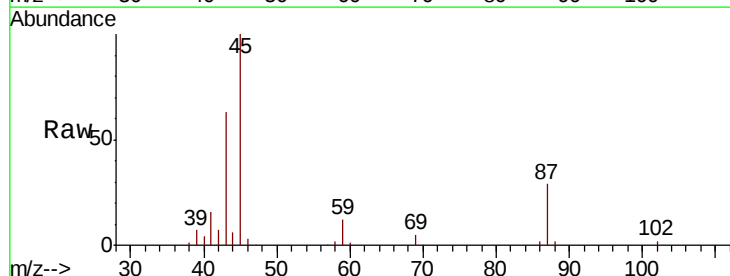
Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

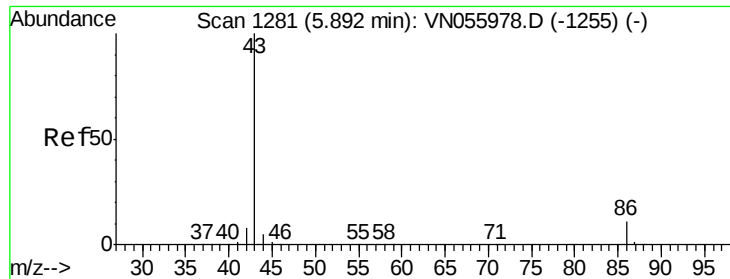
Tot Ion: 96 Resp: 48390
Ion Ratio Lower Upper
96 100
61 133.4 107.8 161.8
98 68.6 49.8 74.8



#22
Diisopropyl ether
Concen: 19.730 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 45 Resp: 152541
Ion Ratio Lower Upper
45 100
43 59.7 45.0 67.6
87 28.1 22.2 33.4
59 12.1 9.1 13.7

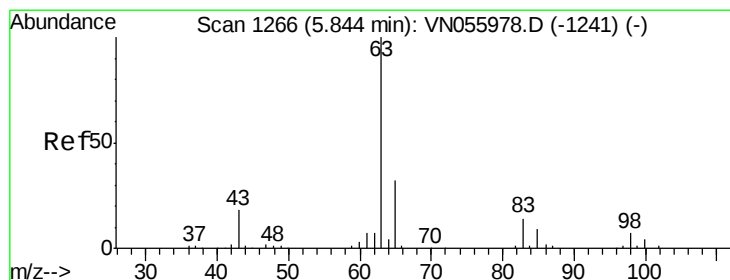
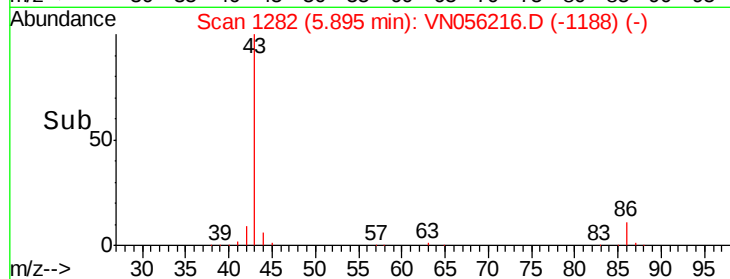
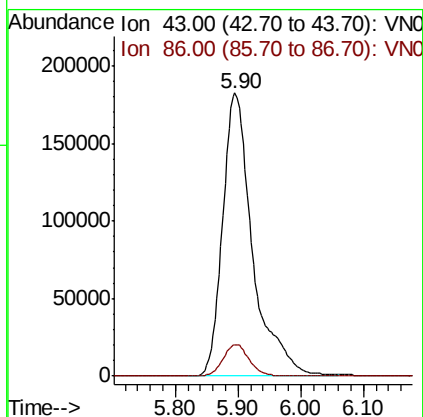
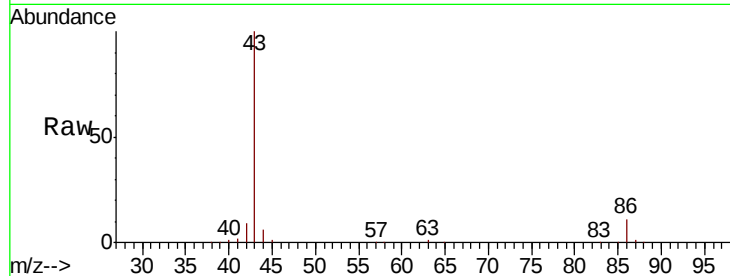




#23
 Vinyl Acetate
 Concen: 99.736 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

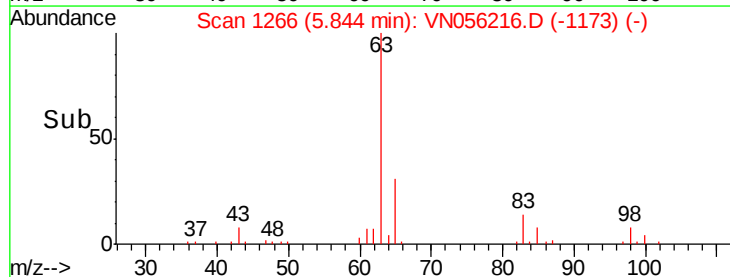
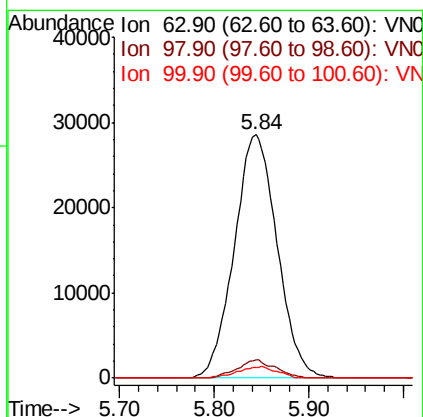
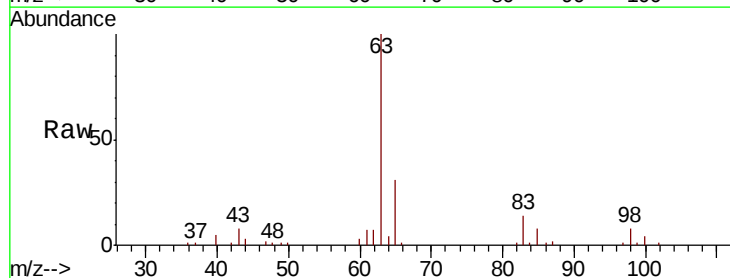
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

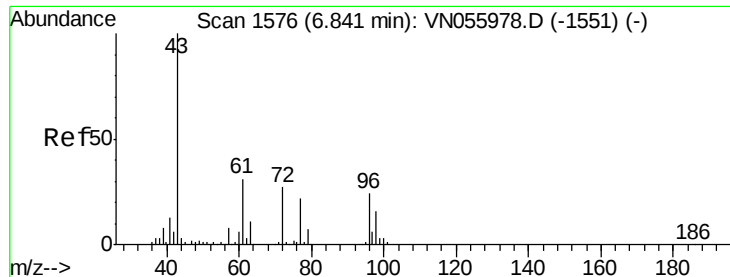
Tot Ion: 43 Resp: 607256
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.141 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion: 63 Resp: 89828
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.4 10.1
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 104.593 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

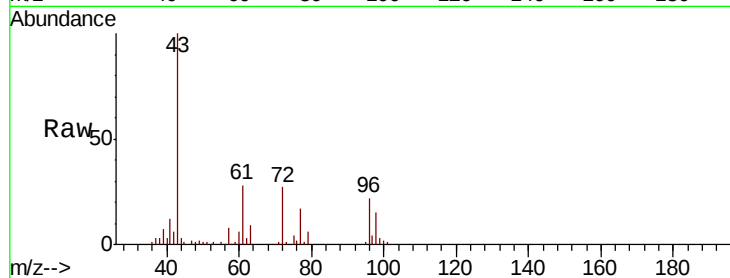
VN0611WBS01

Tot Ion: 43 Resp: 177067

Ion Ratio Lower Upper

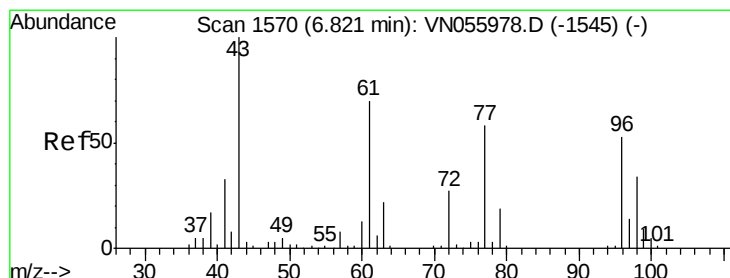
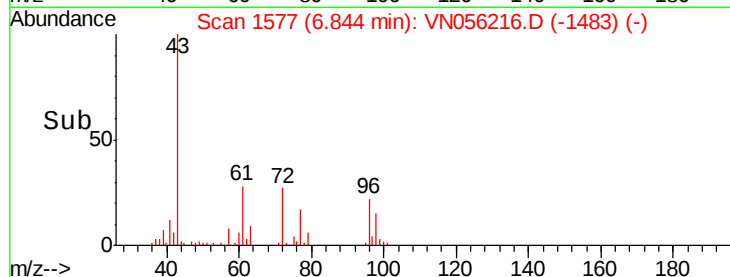
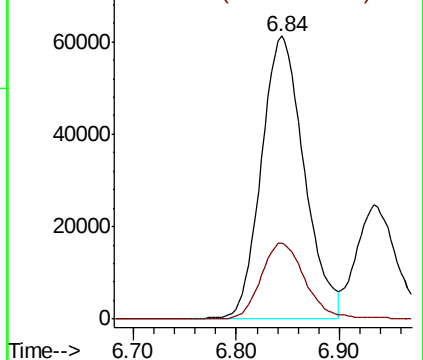
43 100

72 27.0 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.048 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056216.D

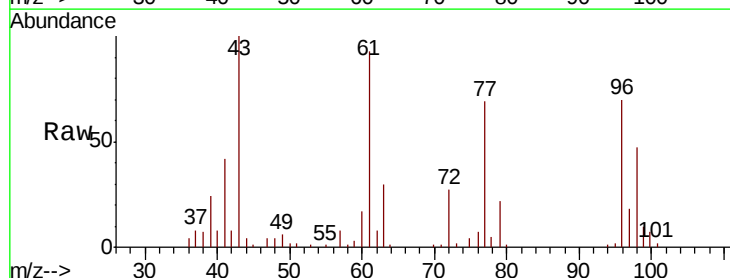
Acq: 11 Jun 2019 12:16

Tgt Ion: 77 Resp: 59328

Ion Ratio Lower Upper

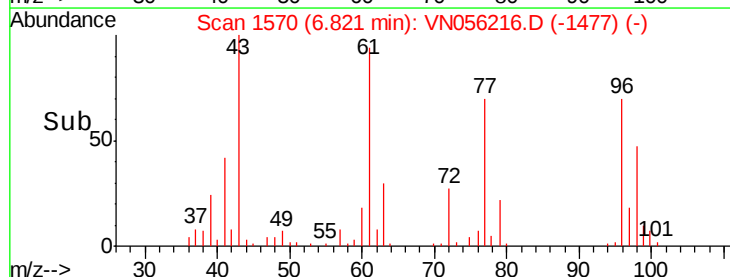
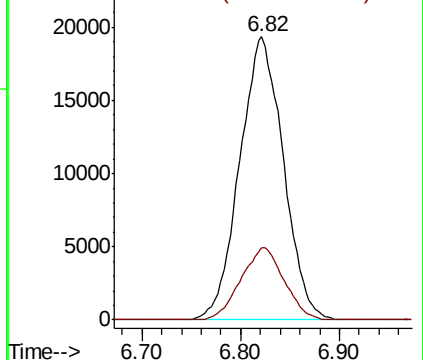
77 100

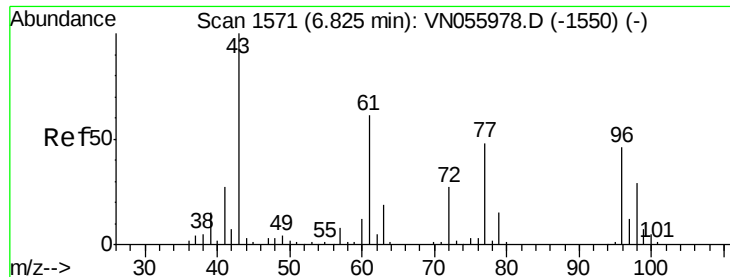
97 25.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

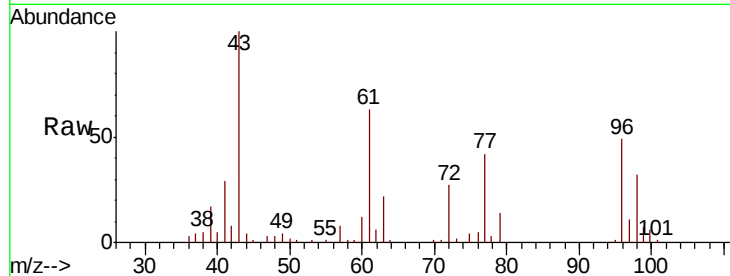




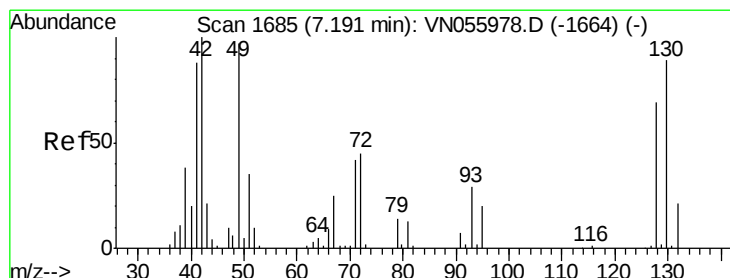
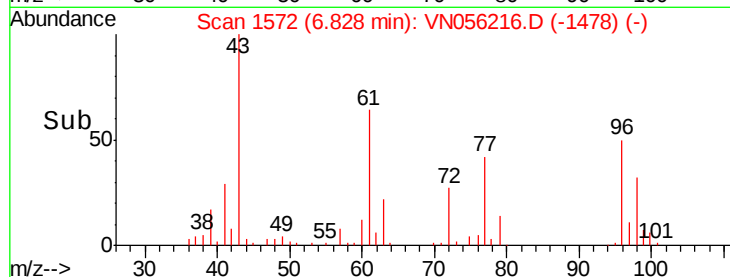
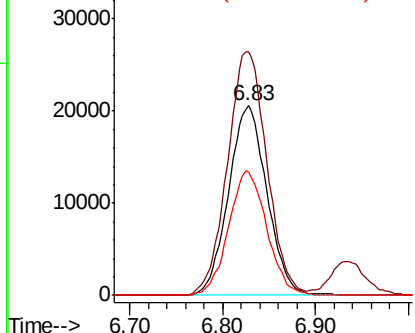
#27
 cis-1,2-Dichloroethene
 Concen: 19.878 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

Tot Ion: 96 Resp: 59301
 Ion Ratio Lower Upper
 96 100
 61 131.1 0.0 275.8
 98 64.8 0.0 128.4

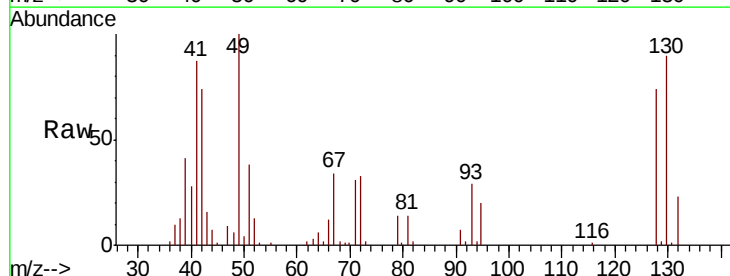


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

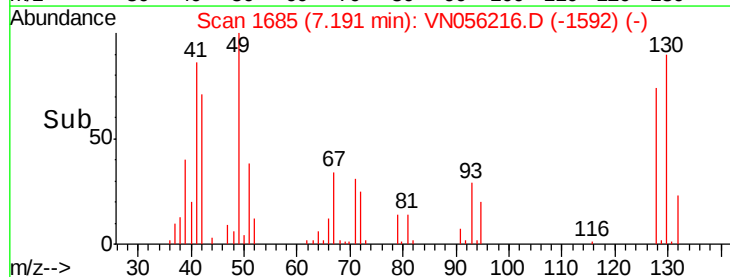
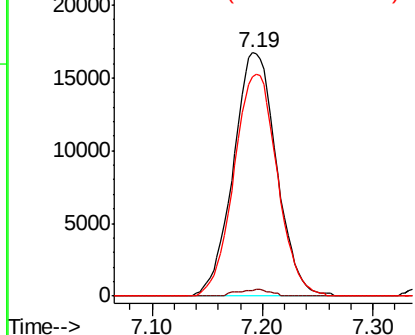


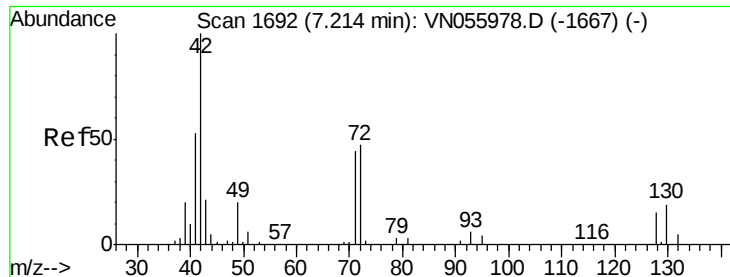
#28
 Bromochloromethane
 Concen: 21.528 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion: 49 Resp: 45404
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.4
 130 91.4 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

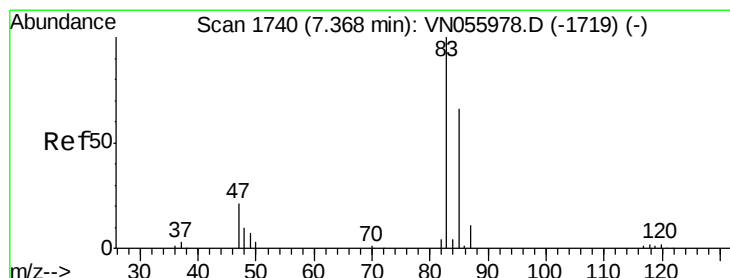
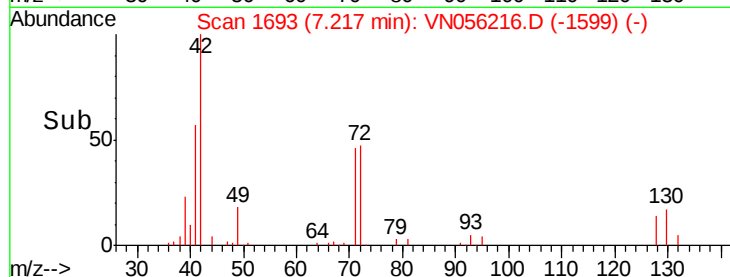
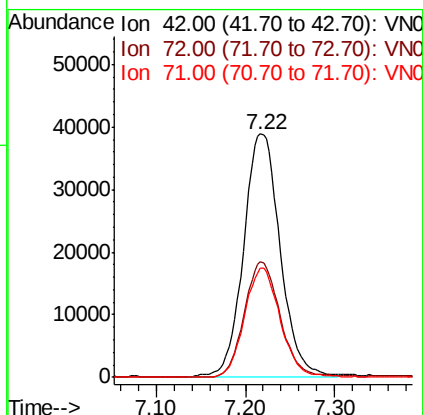
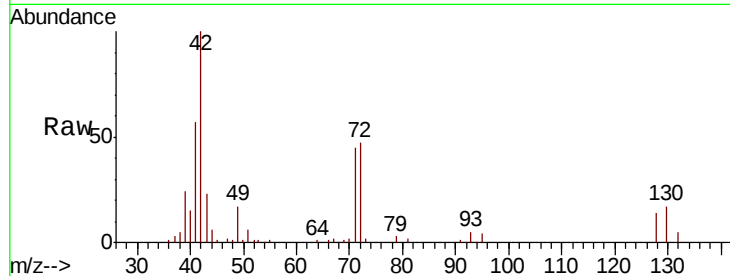




#29
Tetrahydrofuran
Concen: 106.650 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

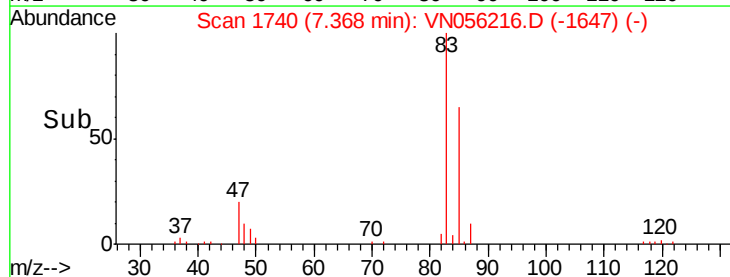
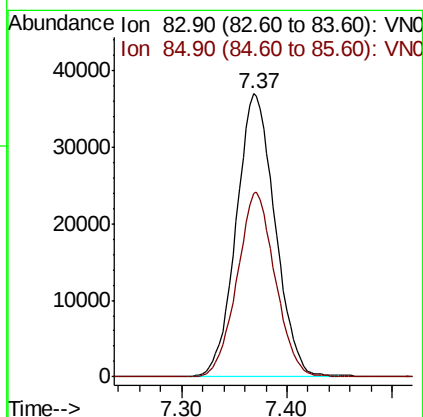
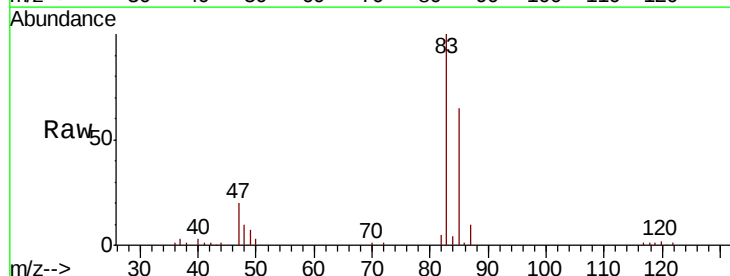
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

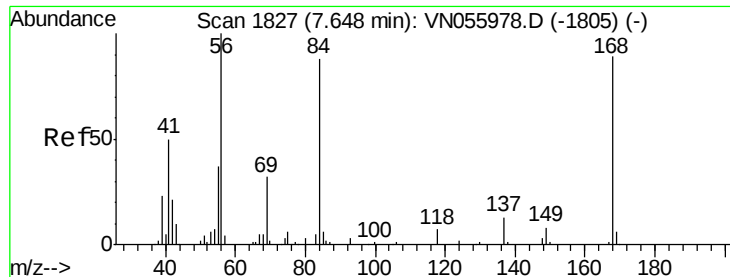
Tot Ion: 42 Resp: 111605
Ion Ratio Lower Upper
42 100
72 46.3 35.9 53.9
71 43.6 34.0 51.0



#30
Chloroform
Concen: 21.033 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 83 Resp: 94364
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.8





#31

Cyclohexane

Concen: 18.030 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

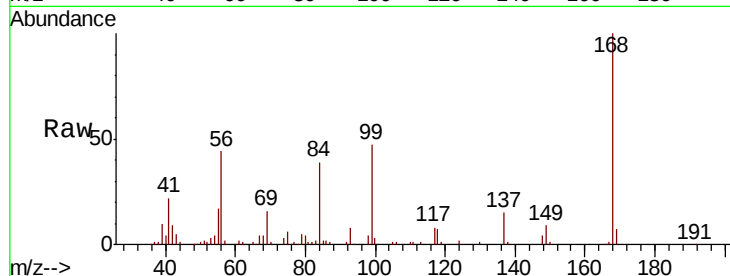
Tot Ion: 56 Resp: 80151

Ion Ratio Lower Upper

56 100

69 36.4 25.6 38.4

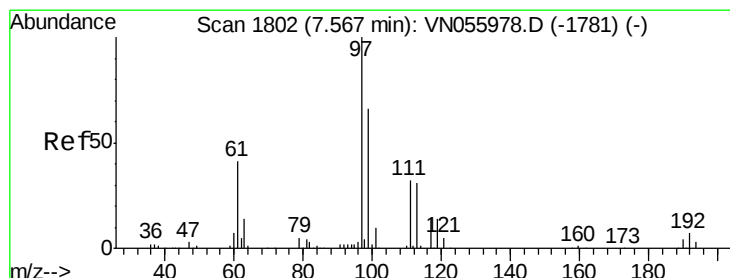
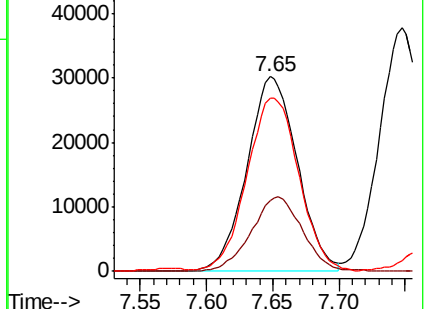
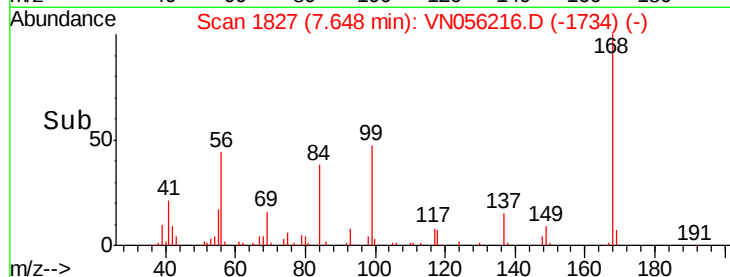
84 88.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.193 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

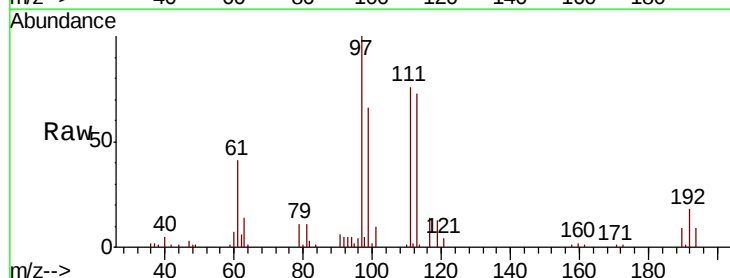
Tgt Ion: 97 Resp: 75652

Ion Ratio Lower Upper

97 100

99 65.7 52.0 78.0

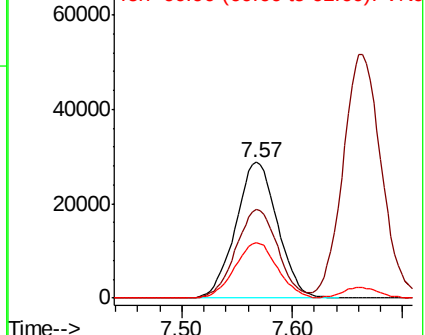
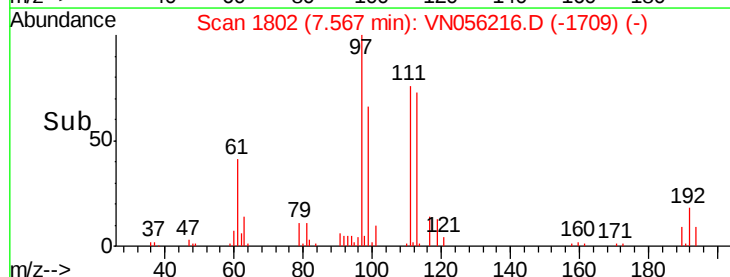
61 41.6 32.9 49.3

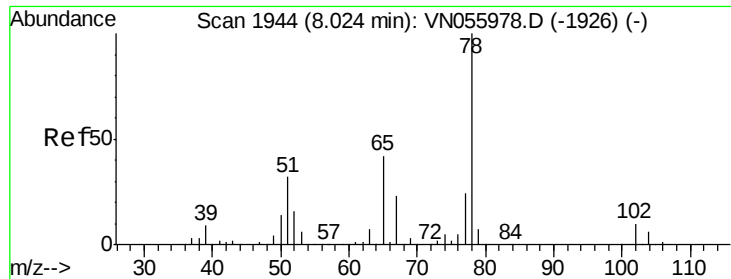


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

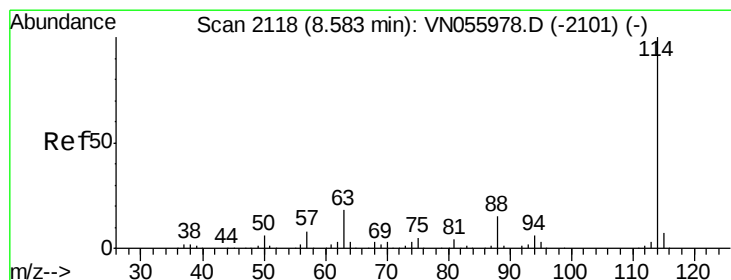
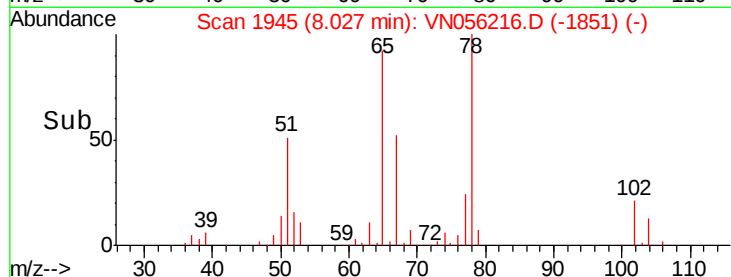
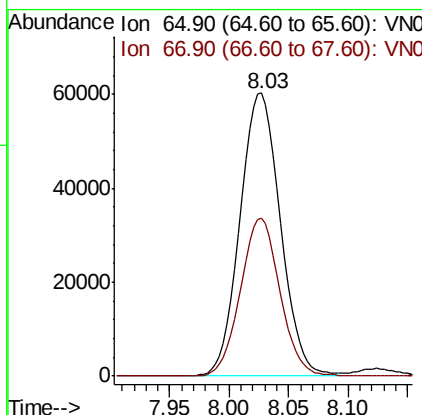
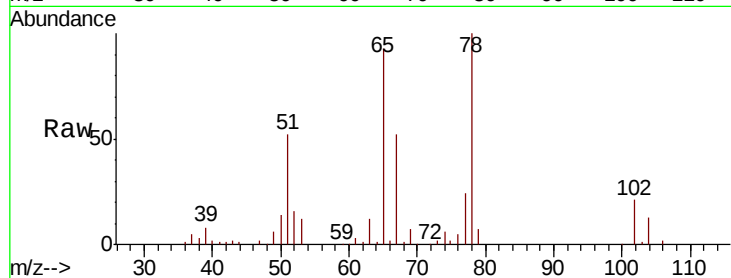




#33
 1,2-Dichloroethane-d4
 Concen: 50.711 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

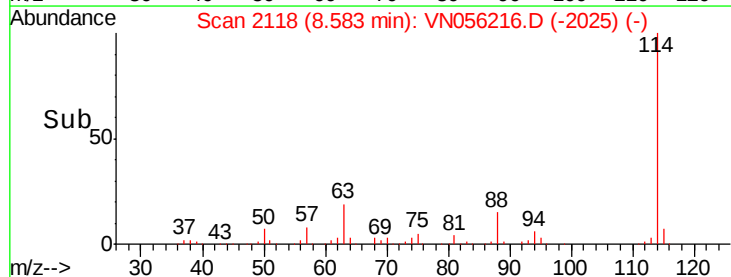
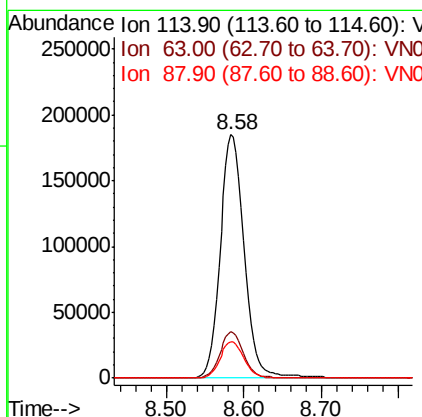
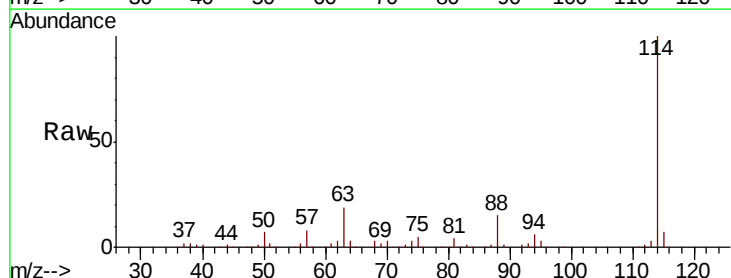
Instrument :
 MSVOA_N
 ClientSampled :
 VN0611WBS01

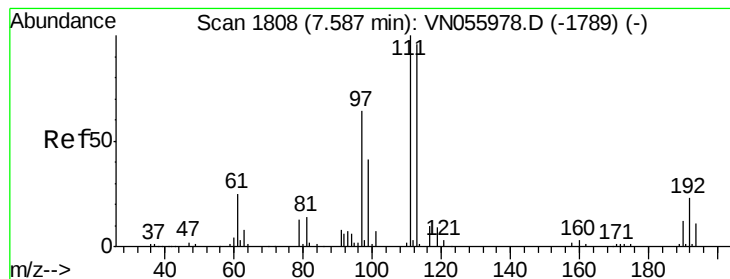
Tot Ion: 65 Resp: 142071
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion: 114 Resp: 400252
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 52.506 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

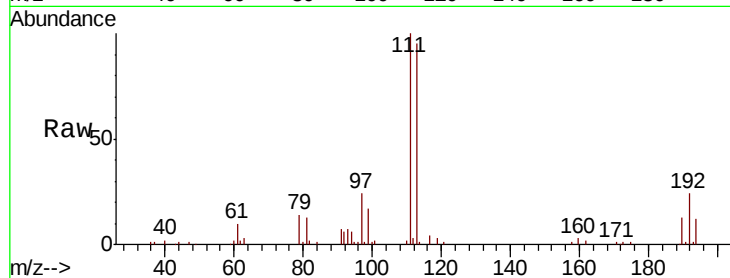
Tot Ion:113 Resp: 128939

Ion Ratio Lower Upper

113 100

111 104.4 81.9 122.9

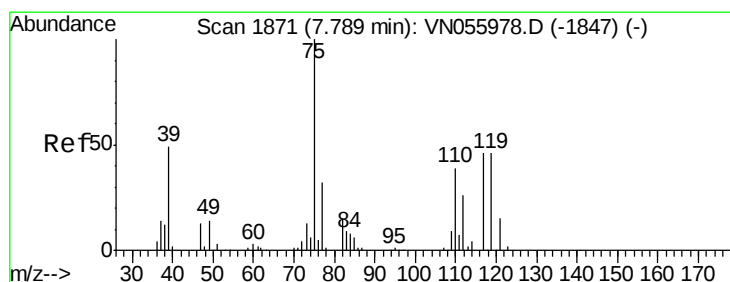
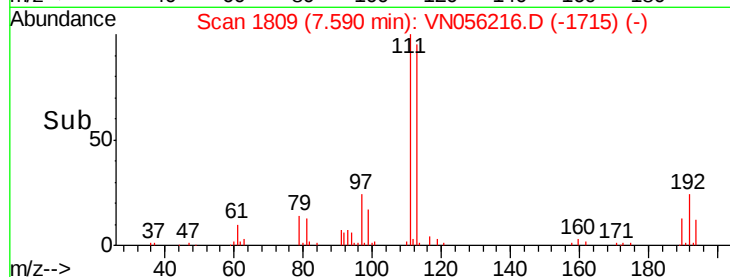
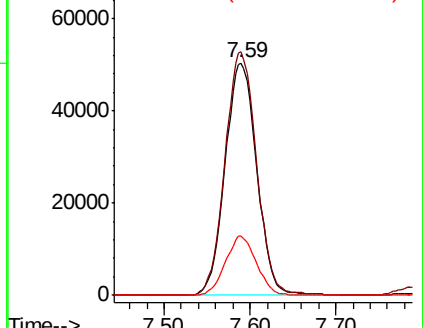
192 24.8 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.787 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

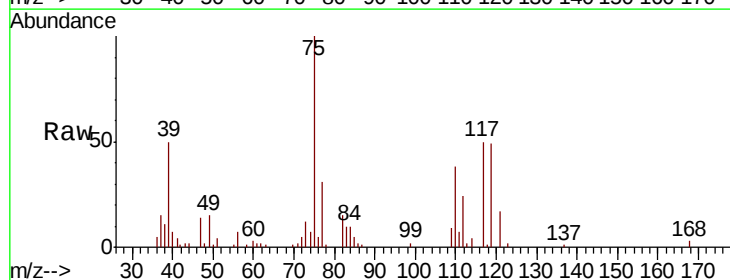
Tgt Ion: 75 Resp: 64658

Ion Ratio Lower Upper

75 100

110 38.8 19.0 57.0

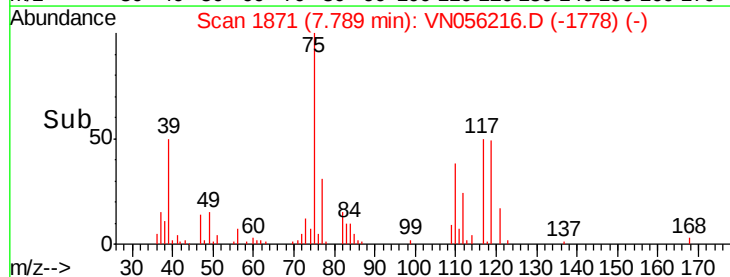
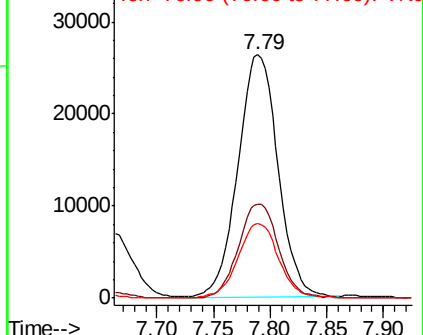
77 31.4 25.1 37.7

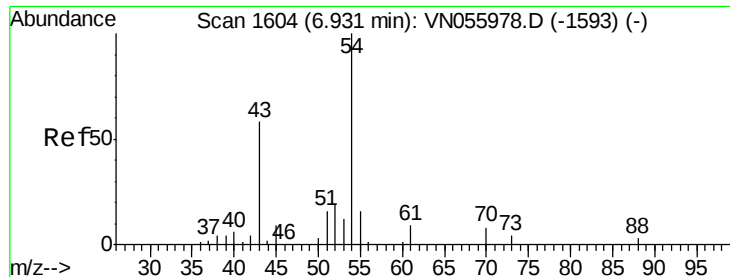


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

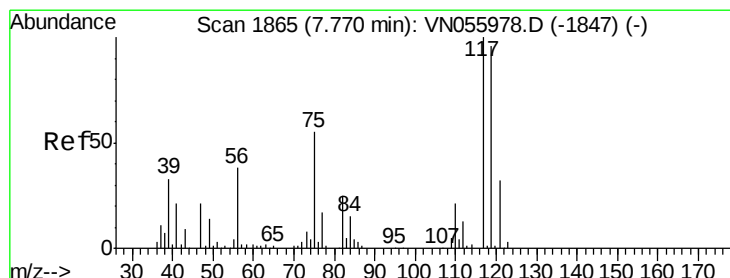
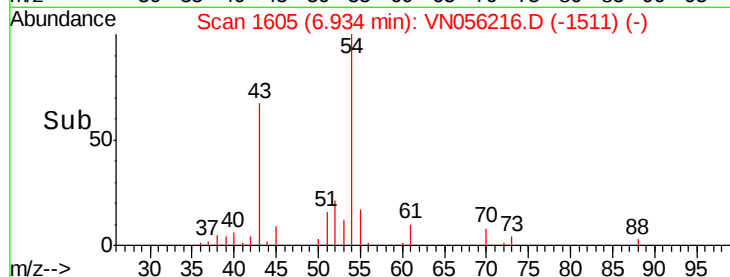
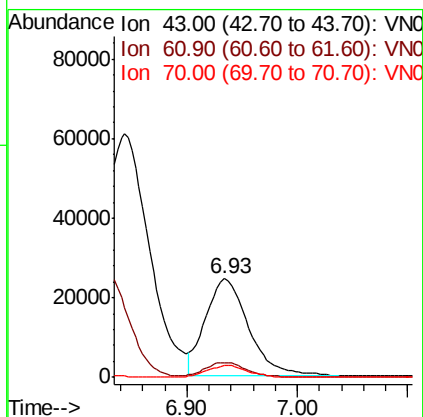
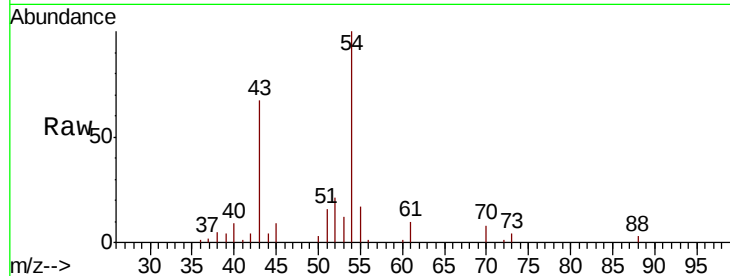




#37
Ethyl Acetate
Concen: 21.617 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

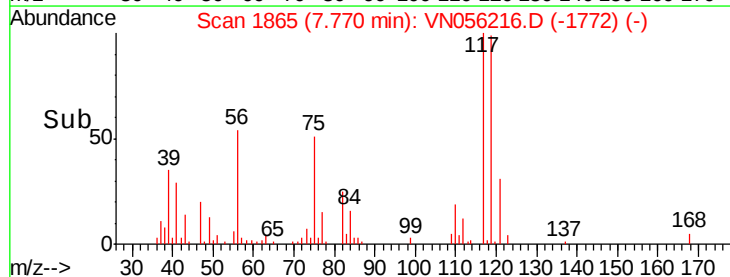
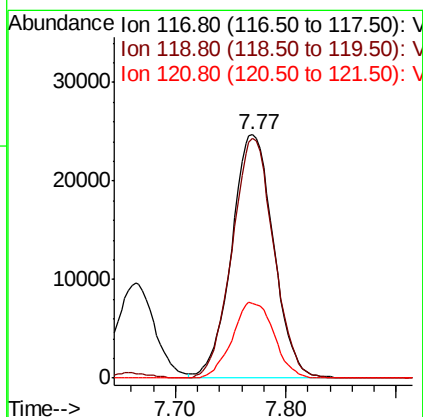
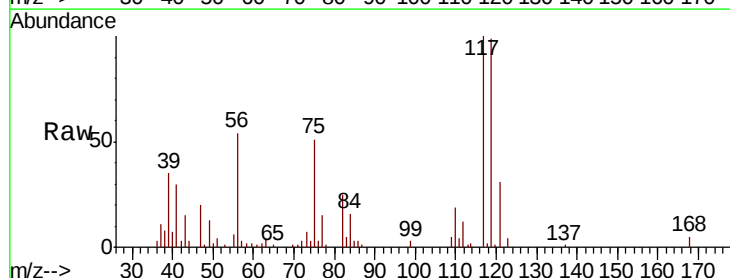
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

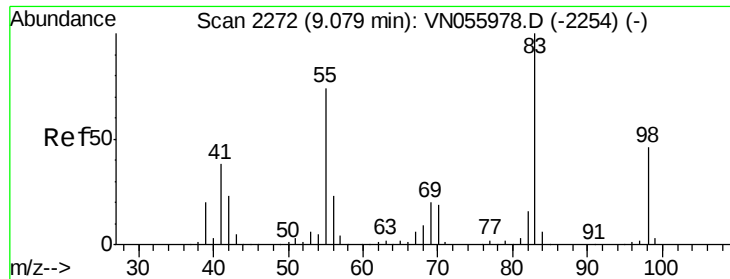
Tot Ion: 43 Resp: 66197
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.2
70 11.4 8.9 13.3



#38
Carbon Tetrachloride
Concen: 20.542 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 117 Resp: 65179
Ion Ratio Lower Upper
117 100
119 98.7 79.0 118.6
121 30.8 24.7 37.1

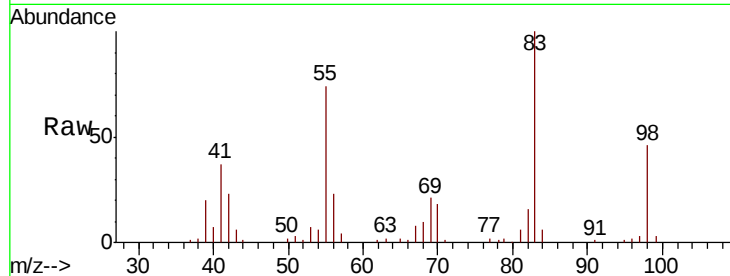




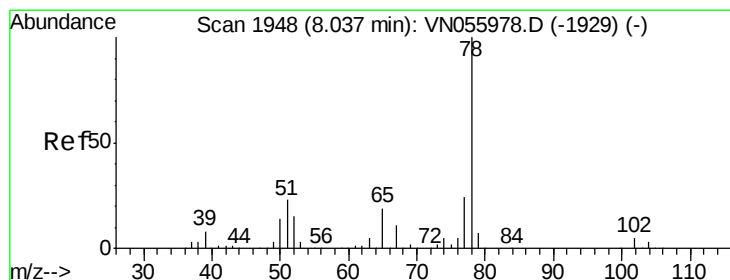
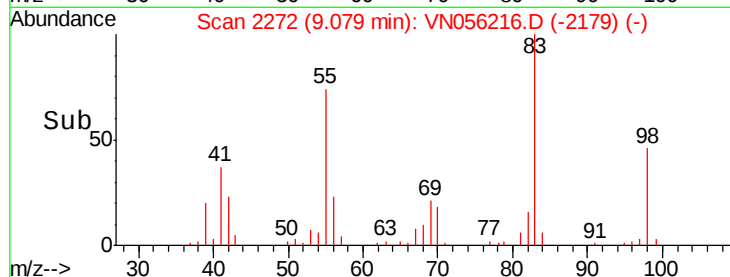
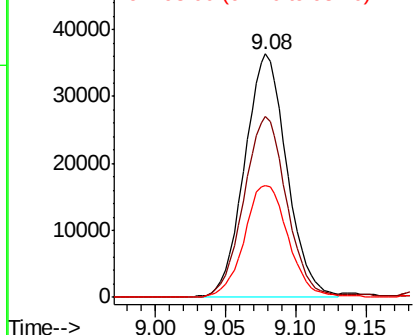
#39
Methvlcvclohexane
Concen: 17.777 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion: 83 Resp: 76214
Ion Ratio Lower Upper
83 100
55 74.2 59.3 88.9
98 46.0 36.6 54.8

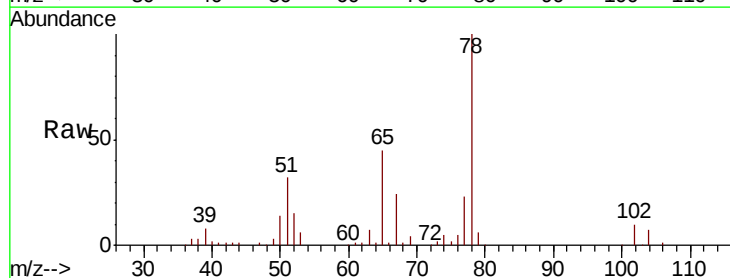


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

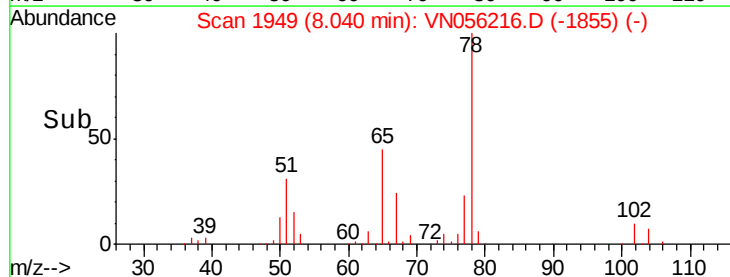
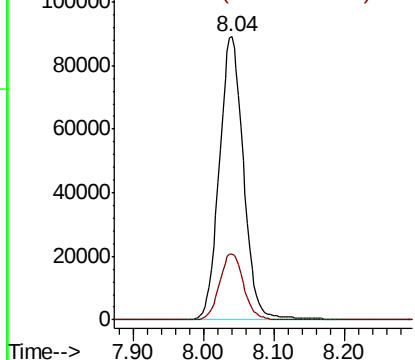


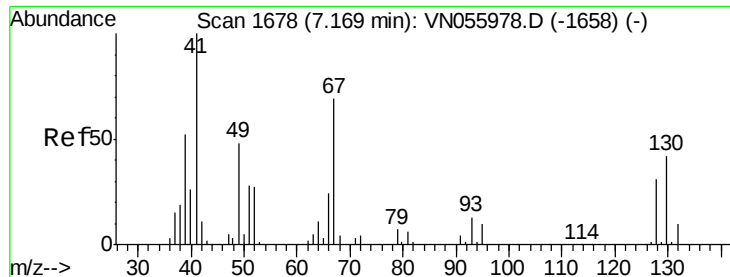
#40
Benzene
Concen: 20.461 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 78 Resp: 213882
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

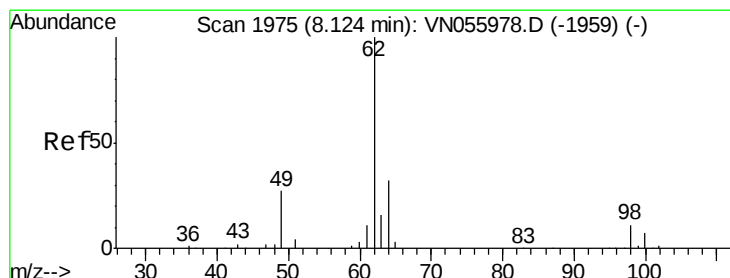
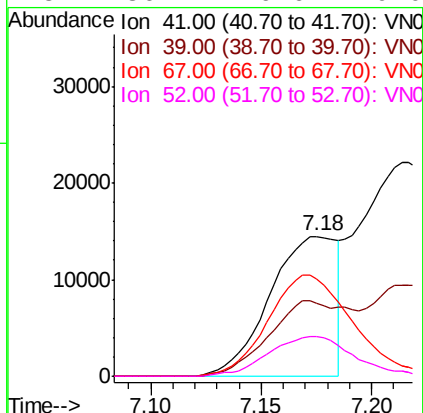
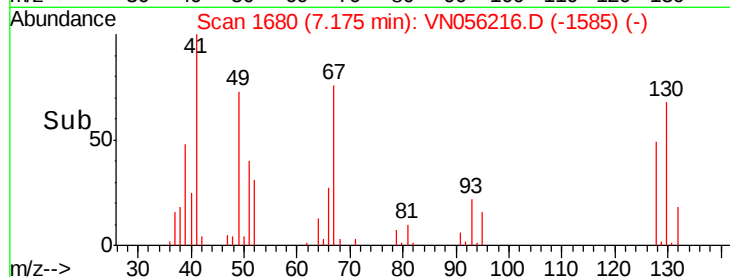
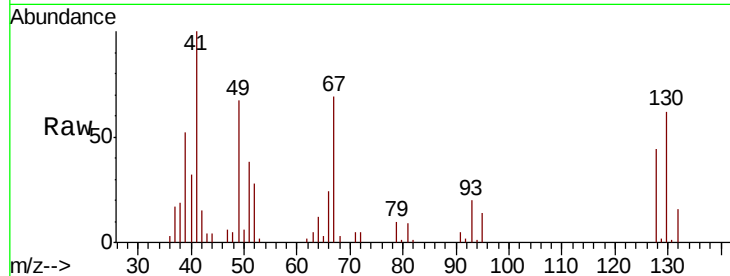




#41
Methacrylonitrile
Concen: 21.737 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

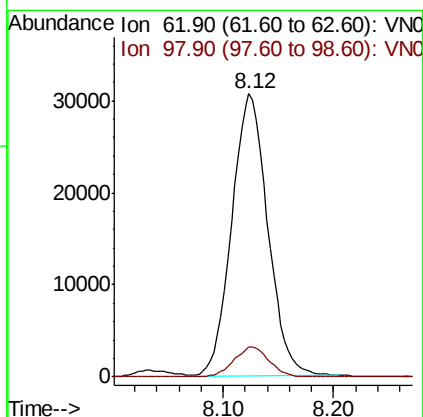
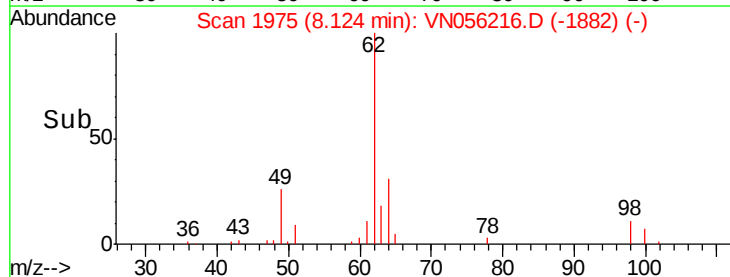
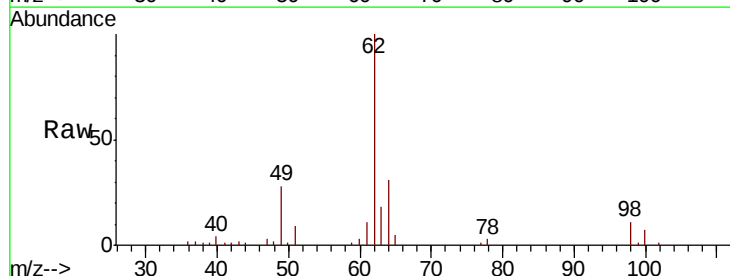
Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

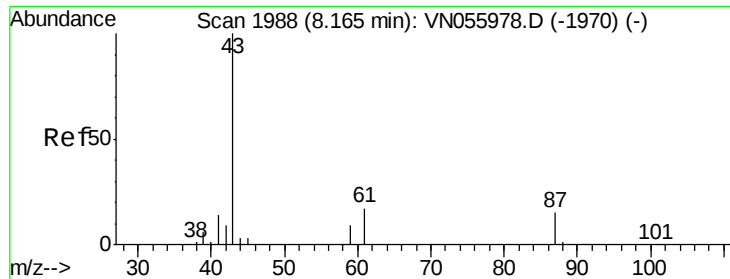
Tot Ion: 41 Resp: 30626
Ion Ratio Lower Upper
41 100
39 66.2 45.6 68.4
67 92.2 67.7 101.5
52 36.7 26.6 40.0



#42
1,2-Dichloroethane
Concen: 20.625 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 62 Resp: 69348
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.142 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

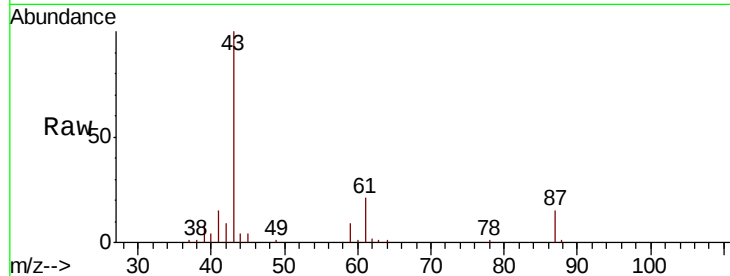
Tot Ion: 43 Resp: 99946

Ion Ratio Lower Upper

43 100

61 21.1 22.2 33.4#

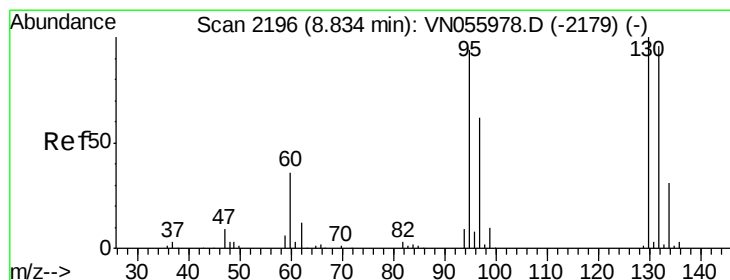
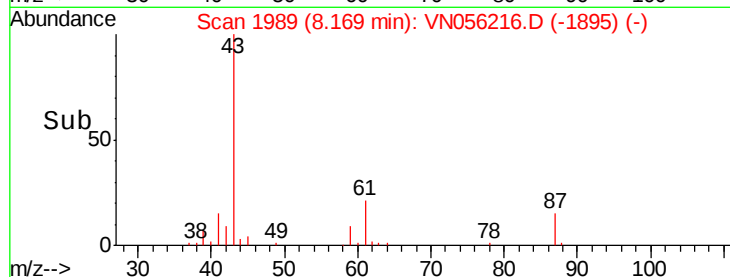
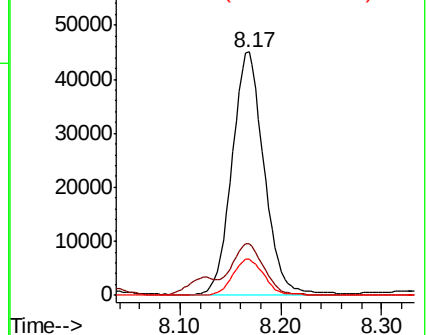
87 14.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 20.111 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056216.D

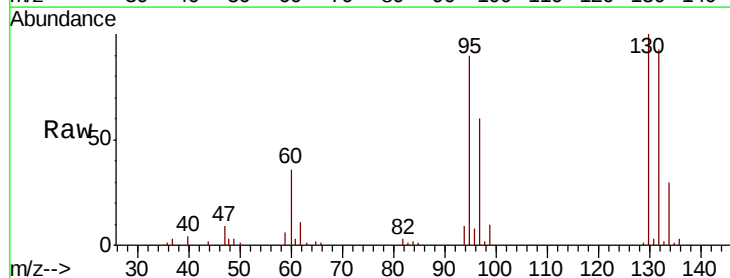
Acq: 11 Jun 2019 12:16

Tgt Ion:130 Resp: 60405

Ion Ratio Lower Upper

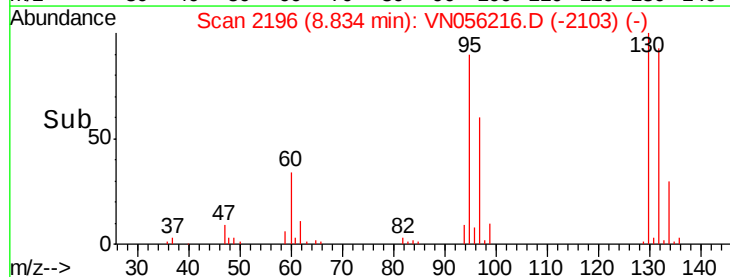
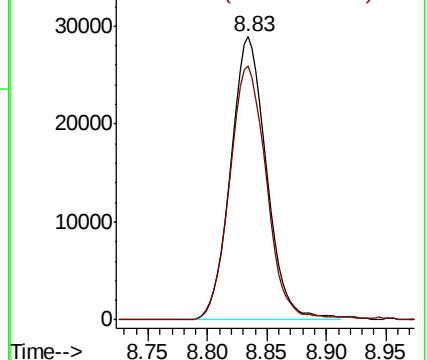
130 100

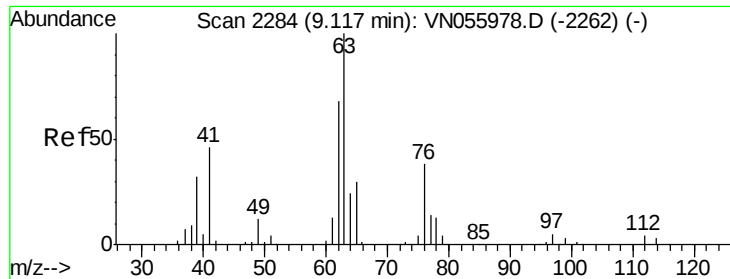
95 89.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

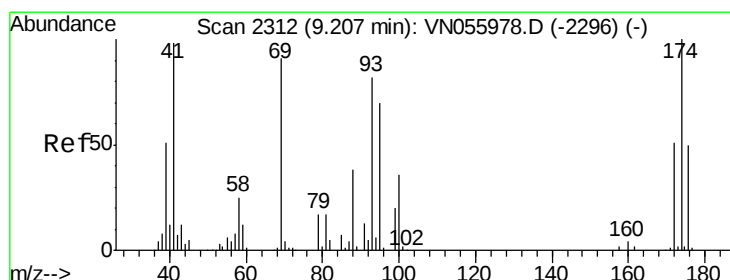
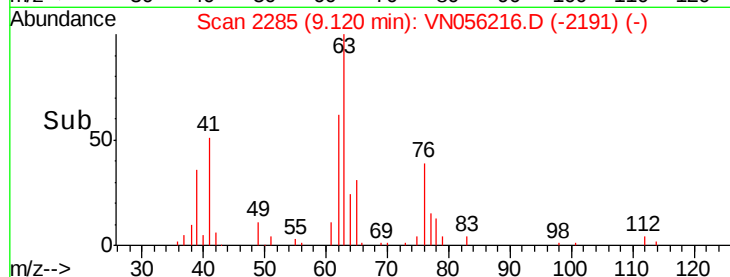
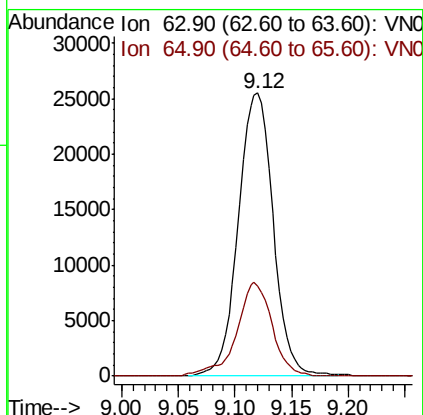
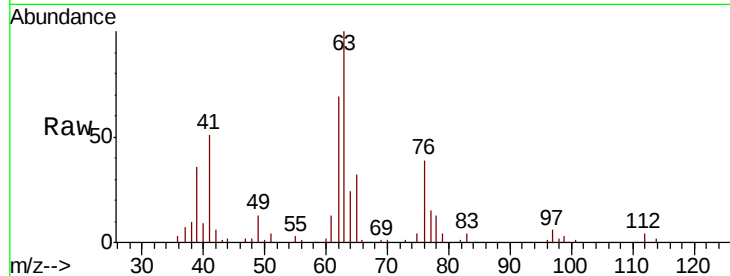




#45
 1,2-Dichloropropane
 Concen: 20.513 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

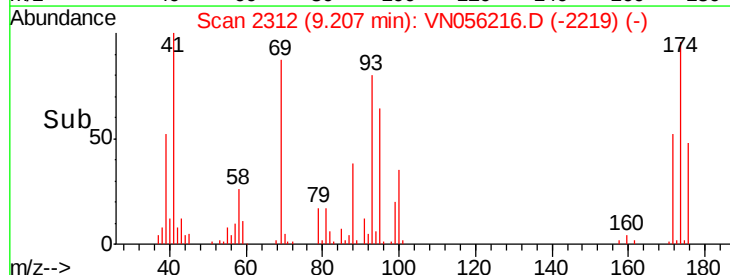
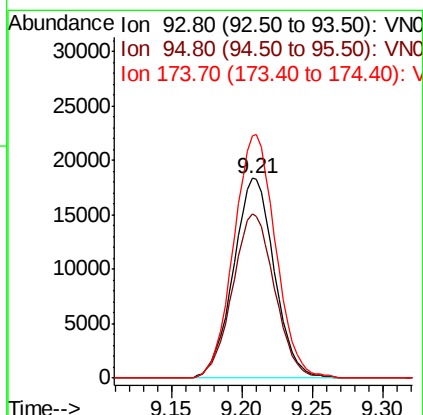
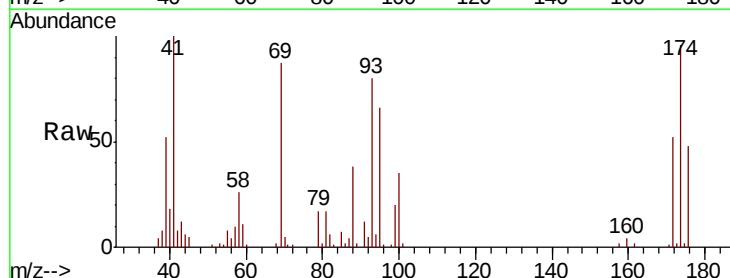
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

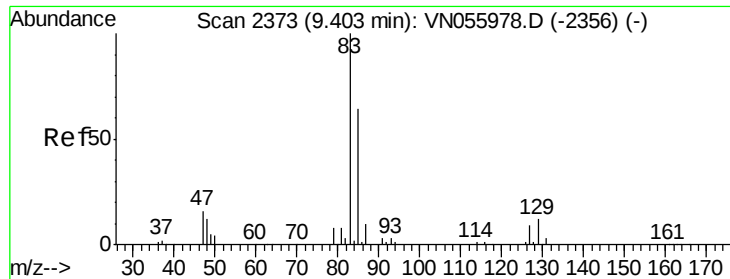
Tot Ion: 63 Resp: 54922
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.6 36.8



#46
 Dibromomethane
 Concen: 21.322 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion: 93 Resp: 37331
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 124.1 96.4 144.6





#47

Bromodichloromethane

Concen: 21.583 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

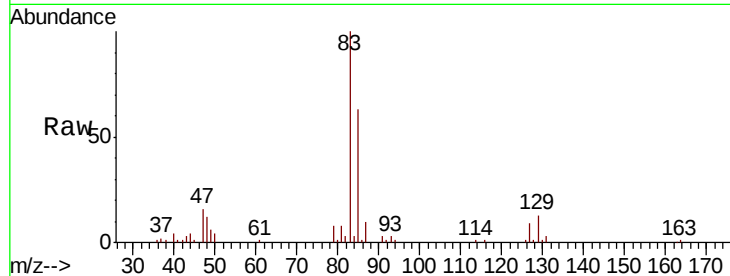
Tot Ion: 83 Resp: 68489

Ion Ratio Lower Upper

83 100

85 63.2 52.2 78.2

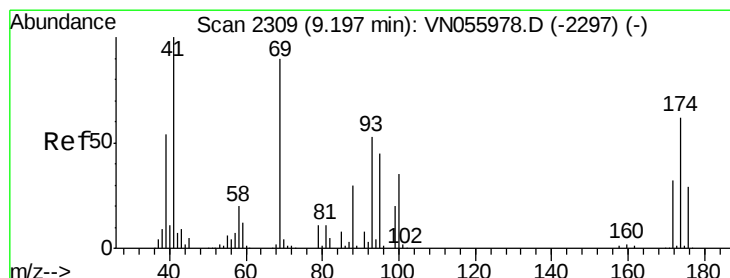
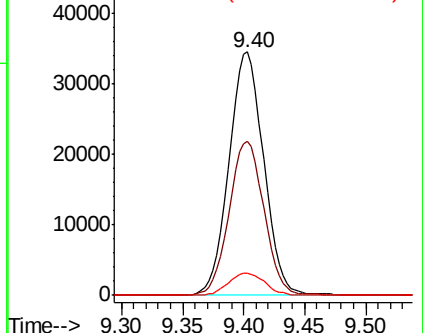
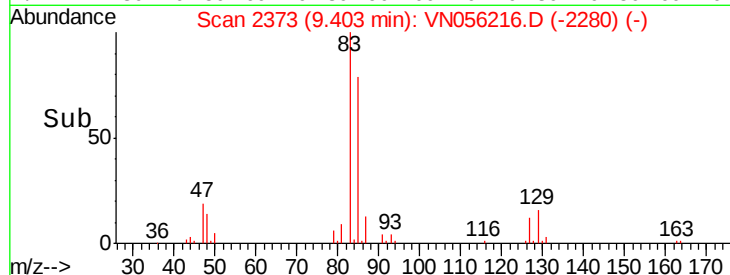
127 9.2 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.540 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

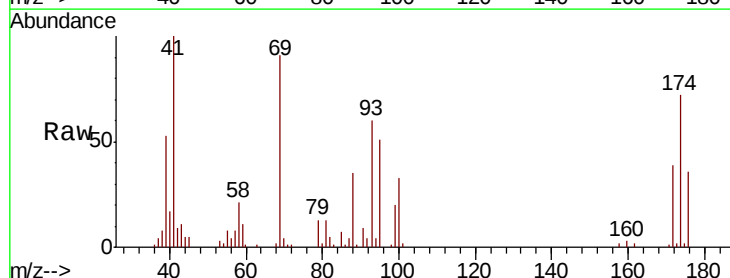
Tgt Ion: 41 Resp: 49863

Ion Ratio Lower Upper

41 100

69 90.9 71.0 106.6

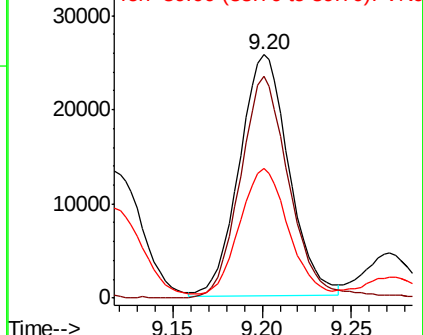
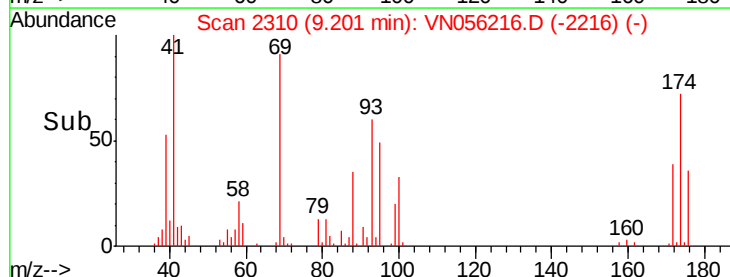
39 52.9 44.2 66.2

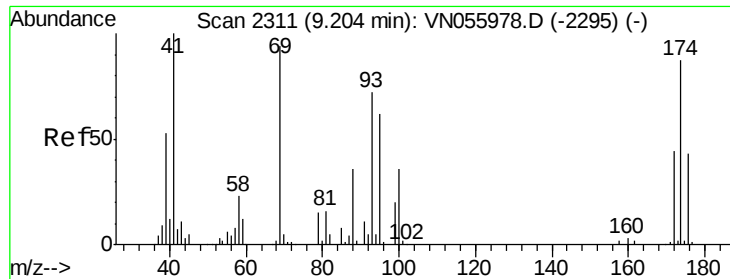


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

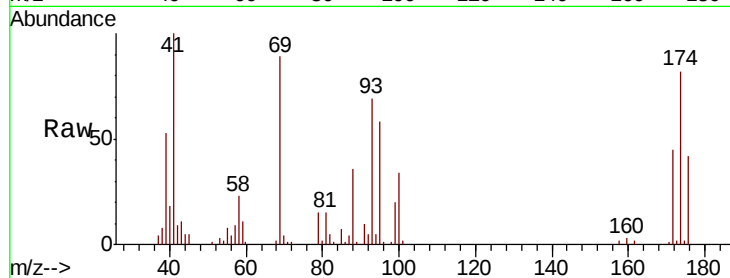




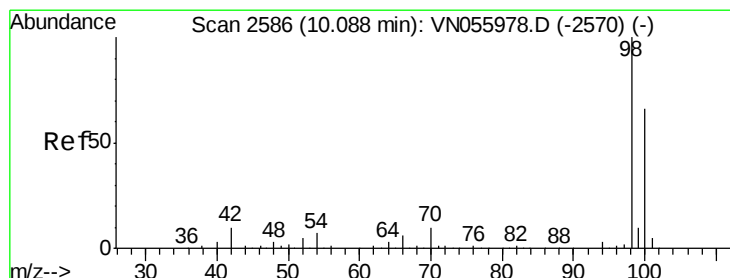
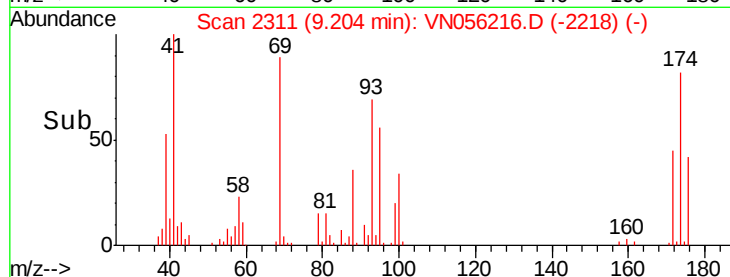
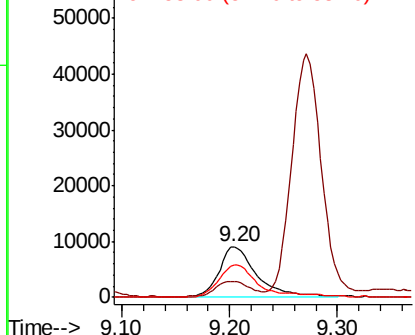
#49
1,4-Dioxane
Concen: 424.976 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion: 88 Resp: 22273
Ion Ratio Lower Upper
88 100
43 30.6 20.5 30.7
58 69.1 55.8 83.6

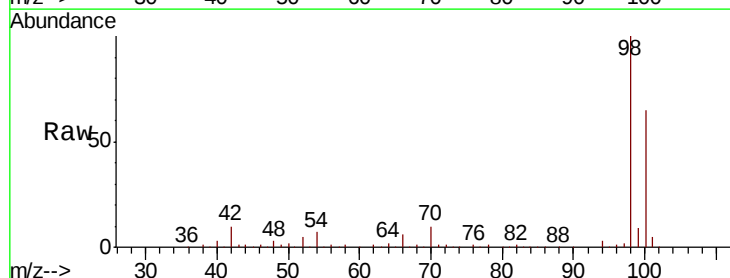


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

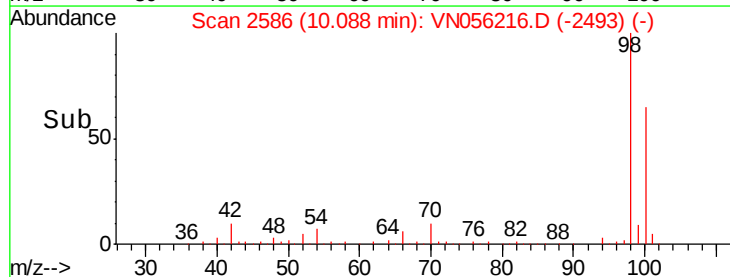
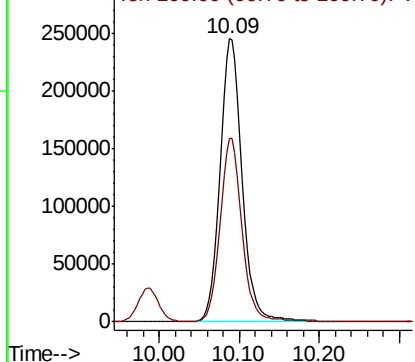


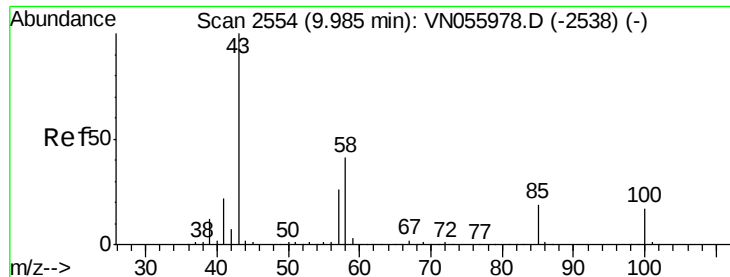
#50
Toluene-d8
Concen: 49.754 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 98 Resp: 470149
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 106.457 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

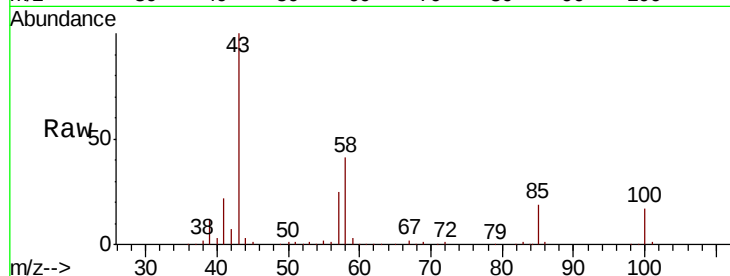
VN0611WBS01

Tot Ion: 43 Resp: 330347

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

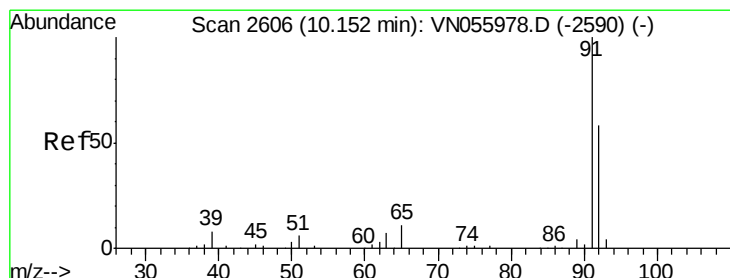
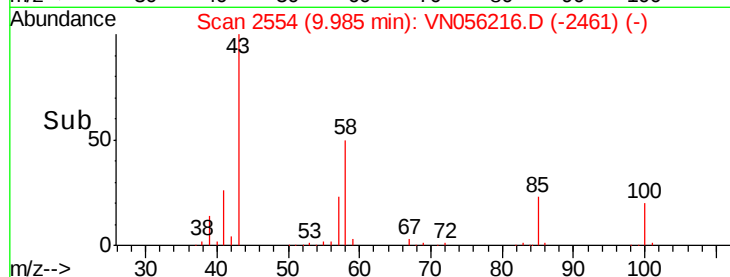
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.201 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056216.D

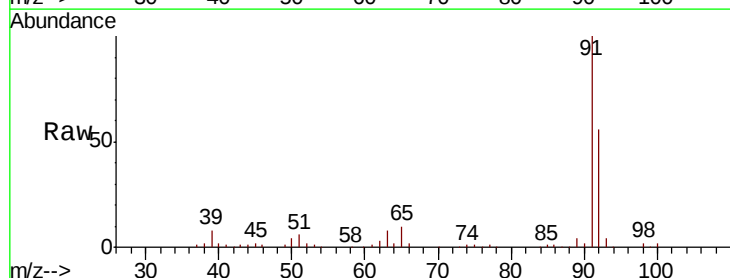
Acq: 11 Jun 2019 12:16

Tgt Ion: 92 Resp: 131399

Ion Ratio Lower Upper

92 100

91 175.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

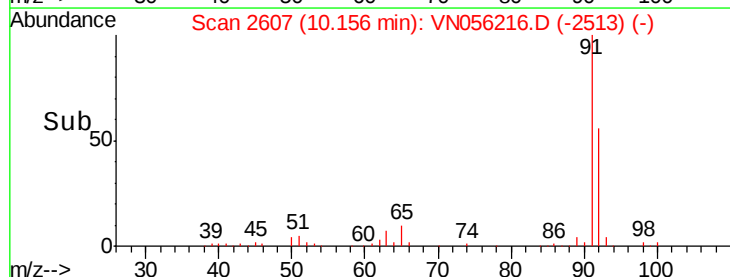
10.16

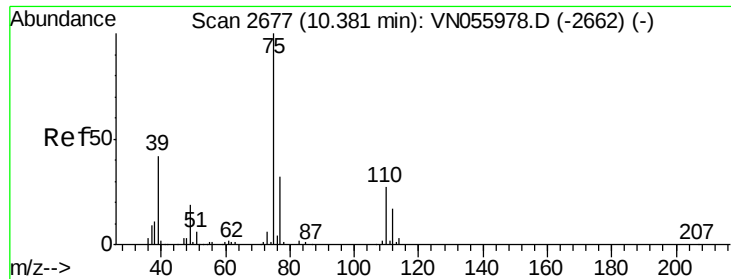
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.494 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

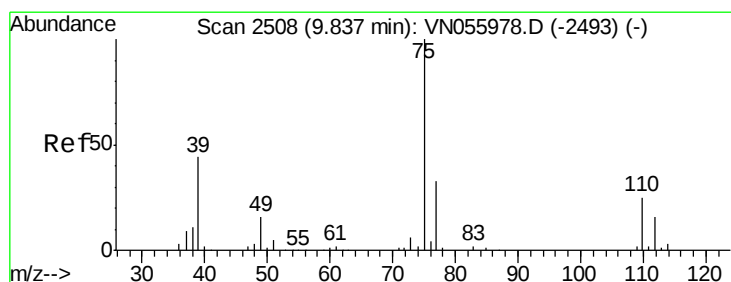
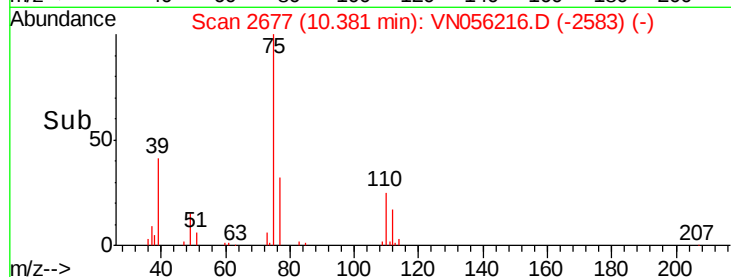
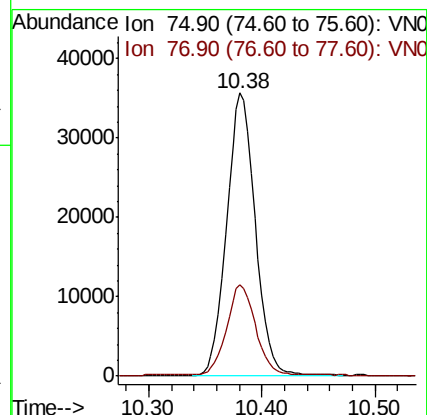
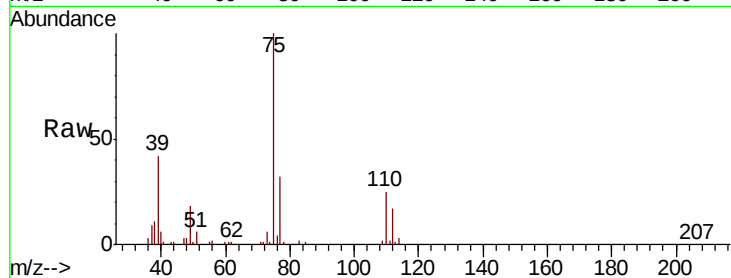
VN0611WBS01

Tot Ion: 75 Resp: 62900

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.045 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

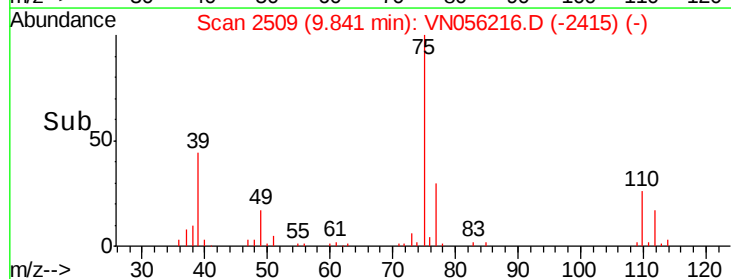
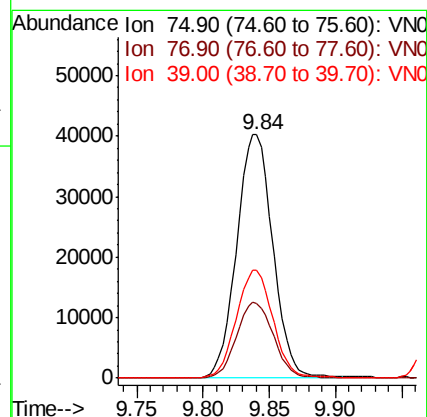
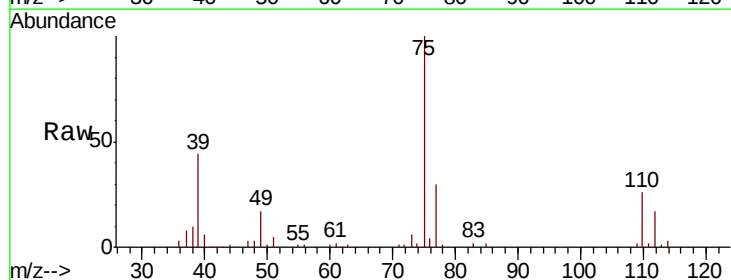
Tgt Ion: 75 Resp: 76457

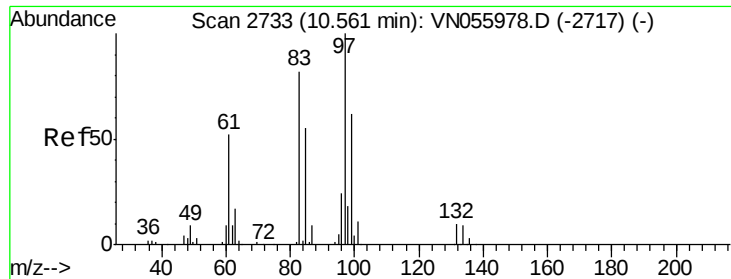
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 44.3 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 21.080 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

Tot Ion: 97 Resp: 54312

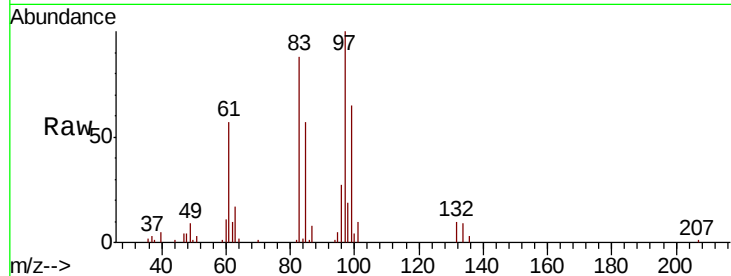
Ion Ratio Lower Upper

97 100

83 88.4 67.0 100.6

85 57.4 44.0 66.0

99 64.8 50.6 75.8

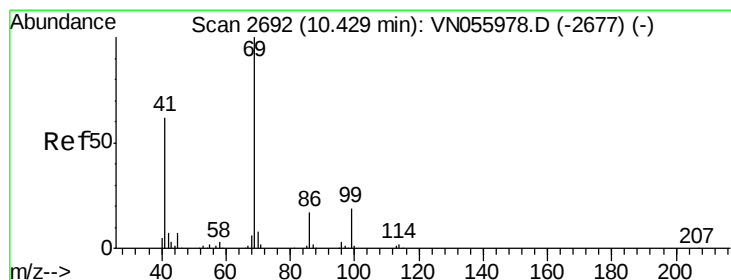
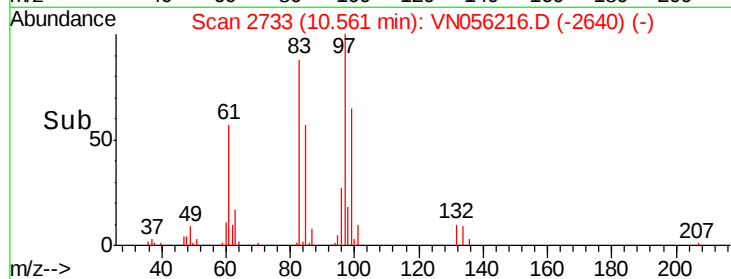
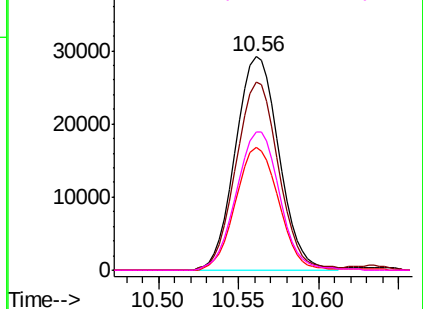


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.037 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

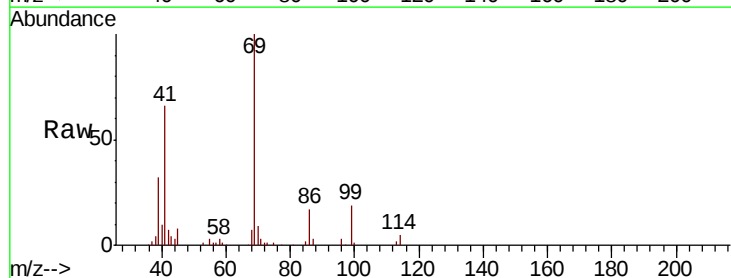
Tgt Ion: 69 Resp: 75317

Ion Ratio Lower Upper

69 100

41 64.7 49.7 74.5

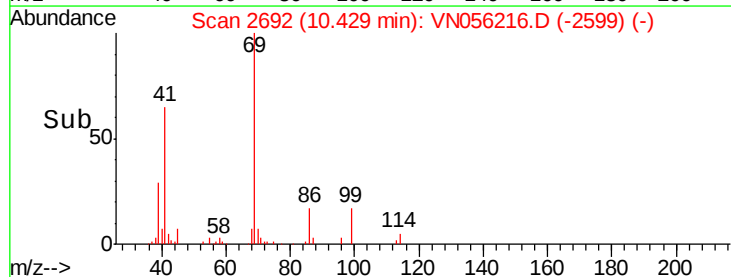
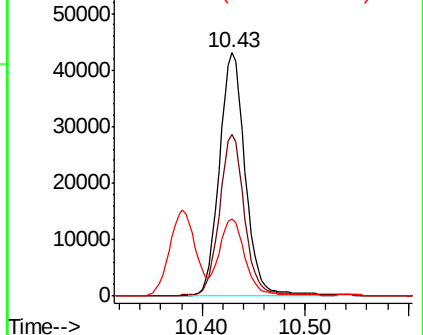
39 30.8 24.7 37.1

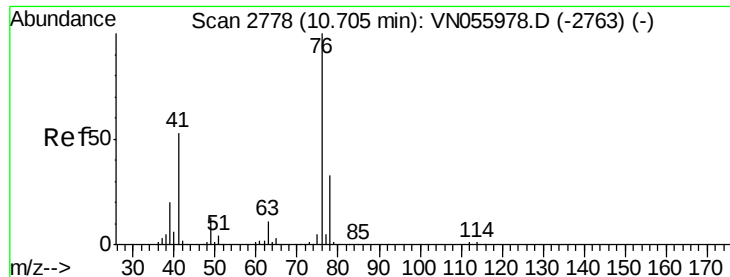


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.414 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

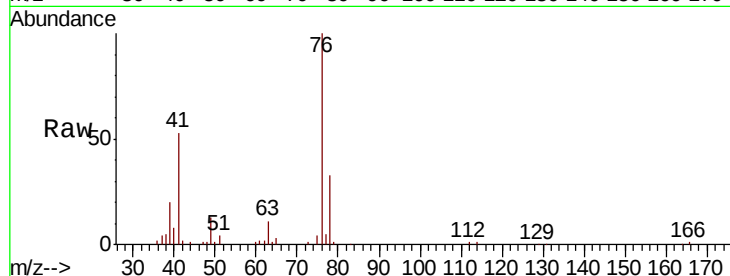
VN0611WBS01

Tot Ion: 76 Resp: 89694

Ion Ratio Lower Upper

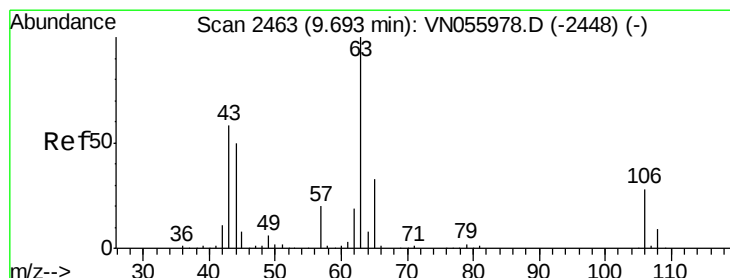
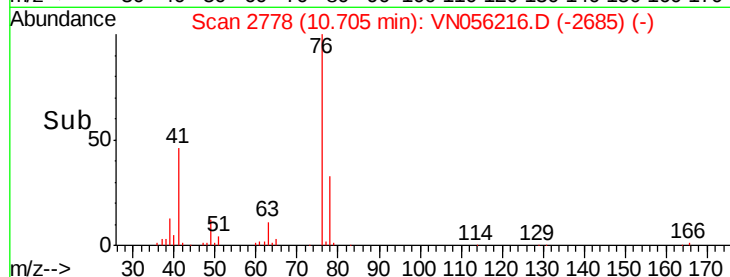
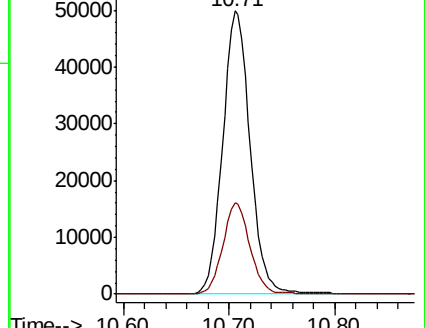
76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 90.915 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056216.D

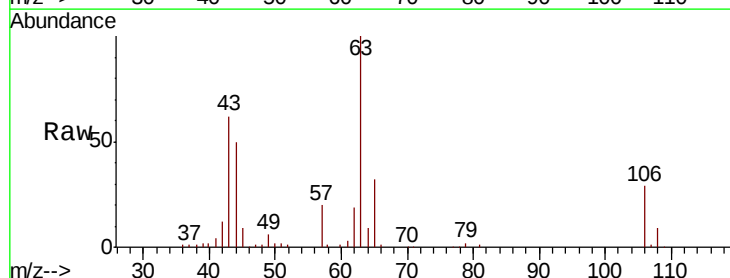
Acq: 11 Jun 2019 12:16

Tgt Ion: 63 Resp: 120495

Ion Ratio Lower Upper

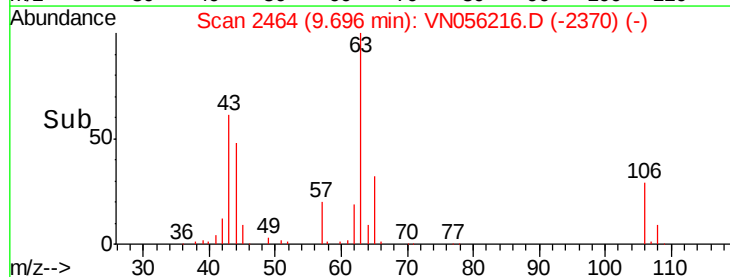
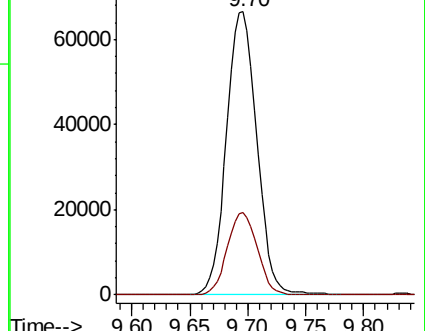
63 100

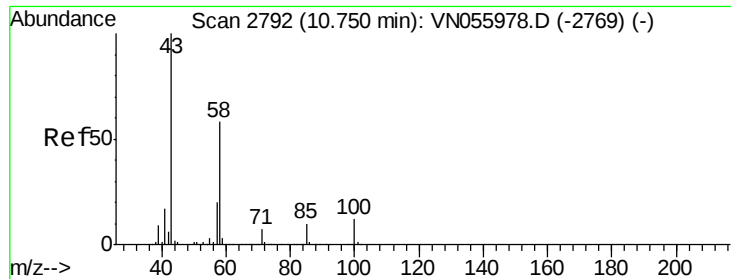
106 28.7 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

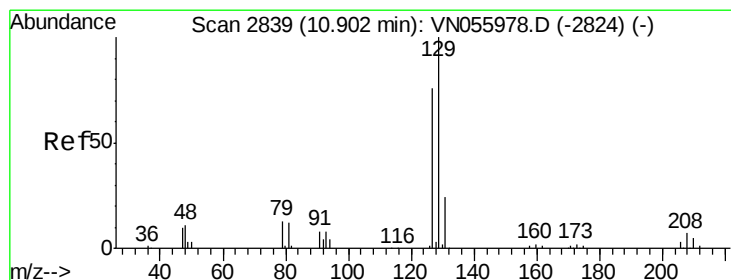
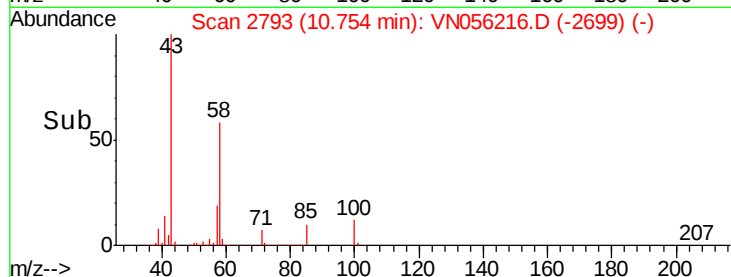
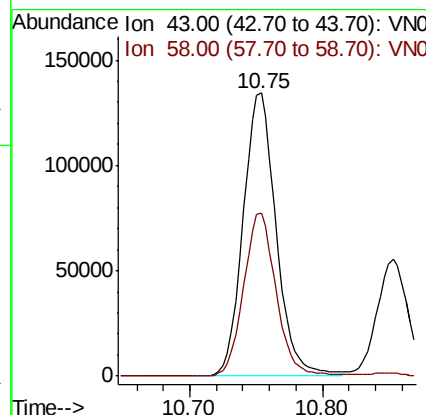
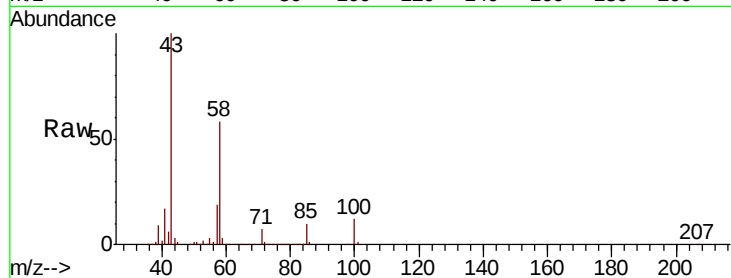




#59
2-Hexanone
Concen: 103.492 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

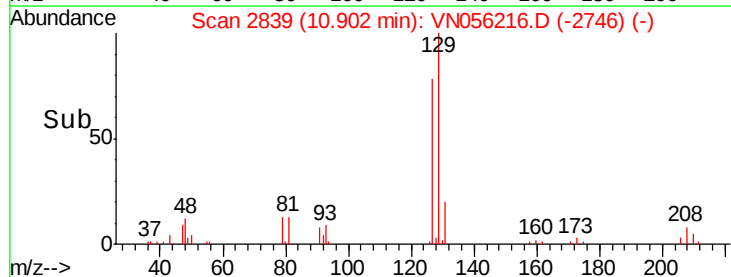
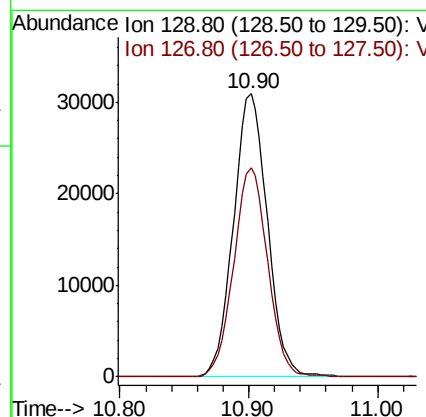
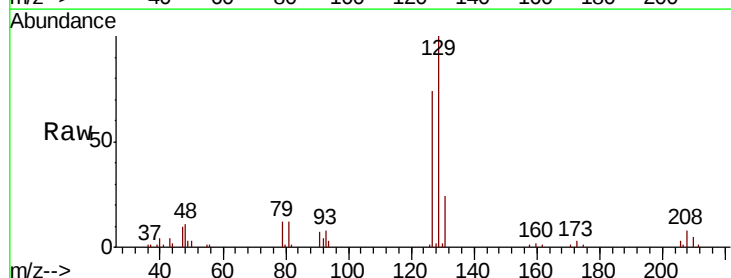
Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

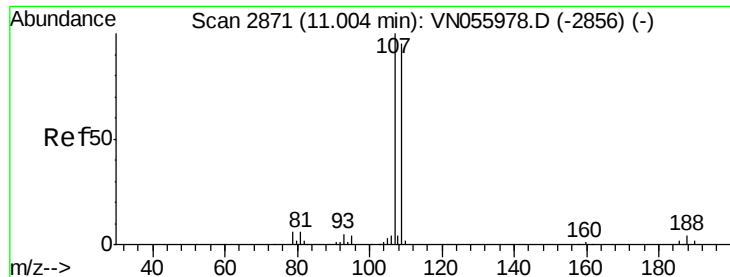
Tot Ion: 43 Resp: 232761
Ion Ratio Lower Upper
43 100
58 56.7 28.2 84.7



#60
Dibromochloromethane
Concen: 21.403 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 129 Resp: 56630
Ion Ratio Lower Upper
129 100
127 73.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.513 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

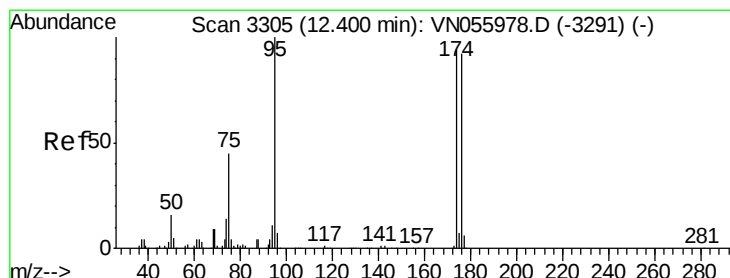
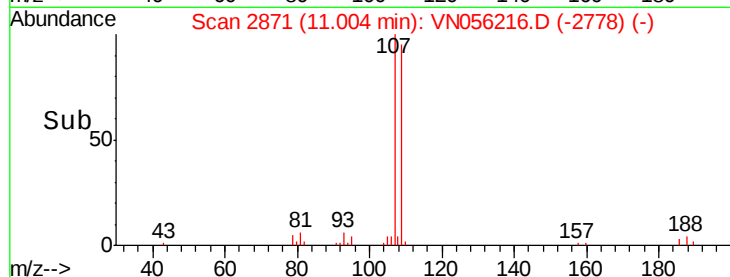
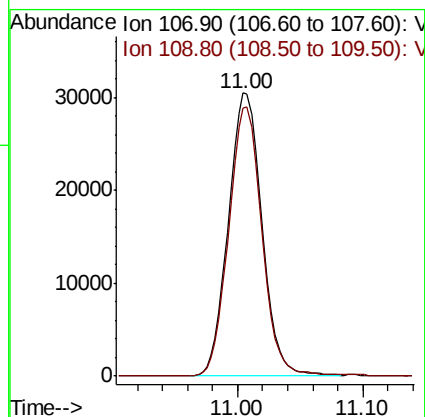
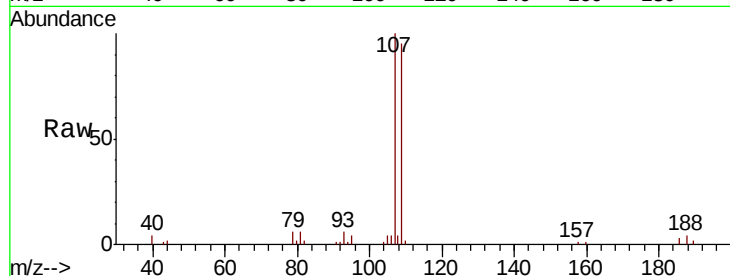
VN0611WBS01

Tot Ion:107 Resp: 56664

Ion Ratio Lower Upper

107 100

109 93.8 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 47.407 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

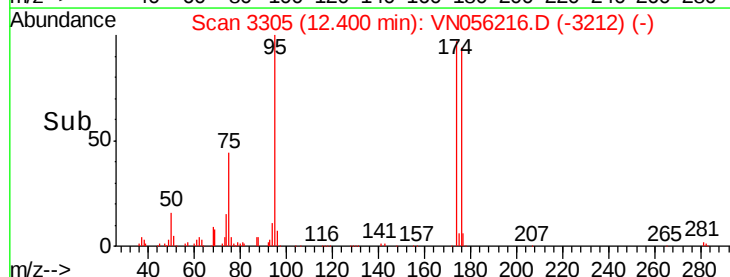
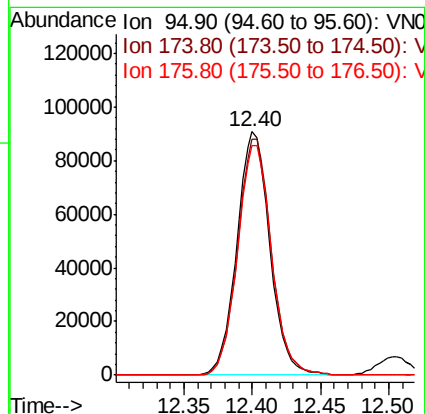
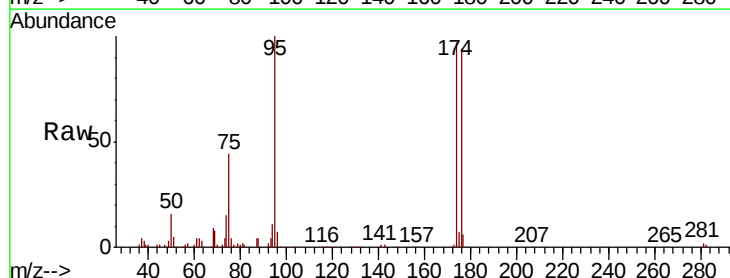
Tgt Ion: 95 Resp: 152343

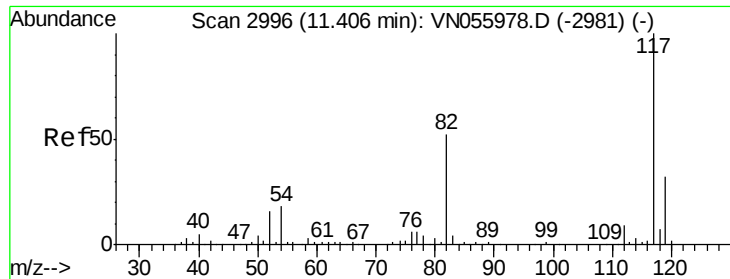
Ion Ratio Lower Upper

95 100

174 99.0 0.0 191.0

176 96.9 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

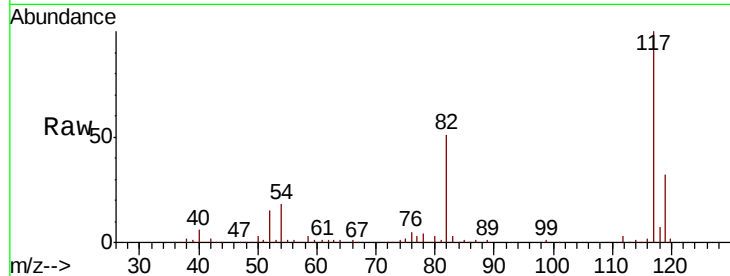
Tot Ion:117 Resp: 360810

Ion Ratio Lower Upper

117 100

82 50.6 41.8 62.8

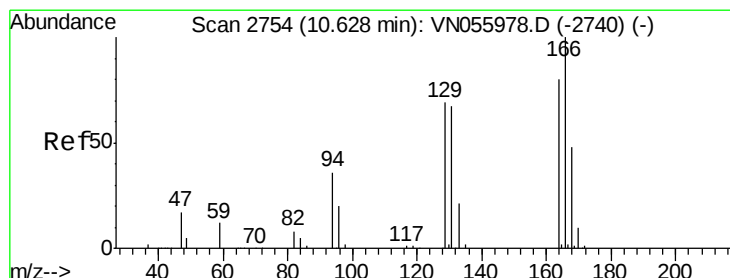
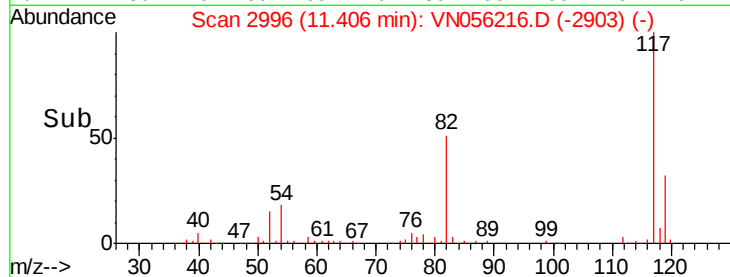
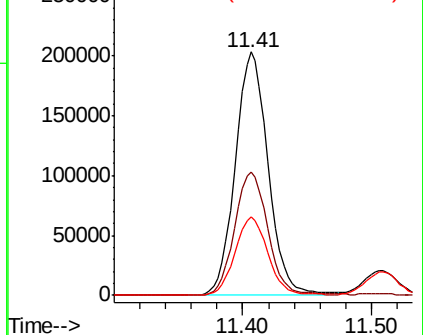
119 32.1 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.022 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Tgt Ion:164 Resp: 62534

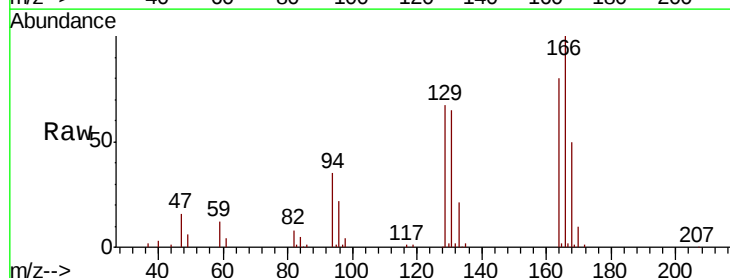
Ion Ratio Lower Upper

164 100

166 125.5 103.0 154.6

129 84.3 70.6 105.8

131 81.0 68.6 102.8

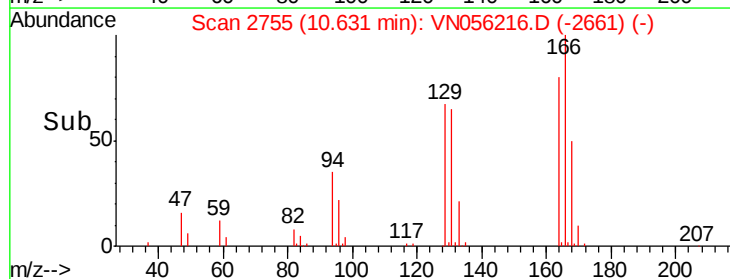
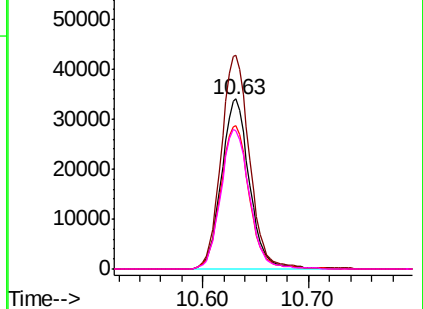


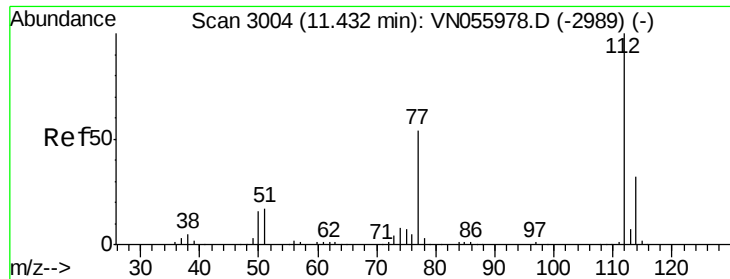
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

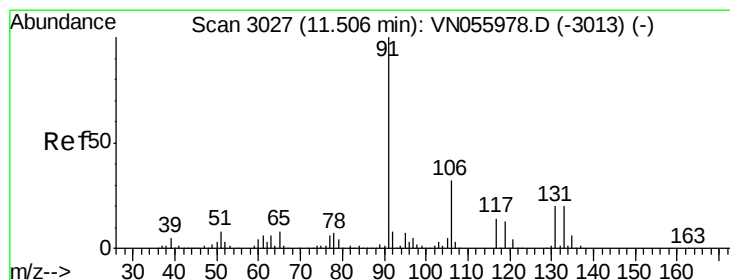
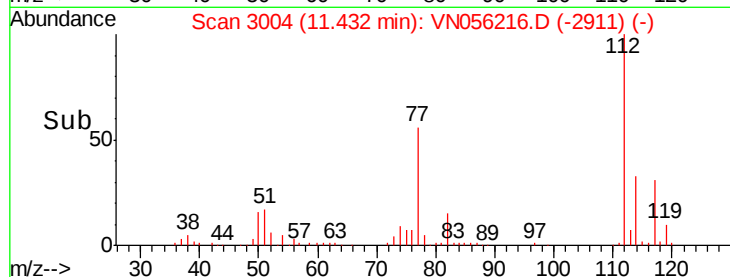
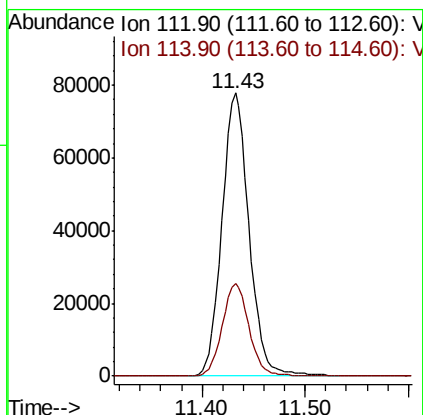
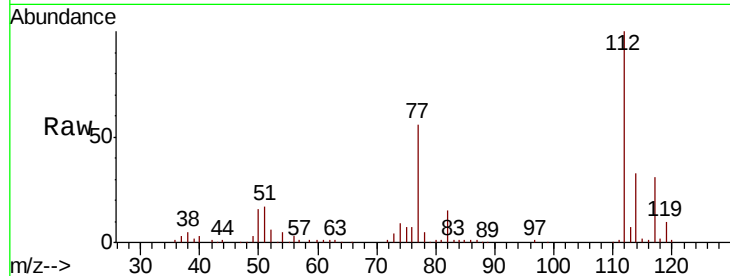




#65
Chlorobenzene
Concen: 19.811 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

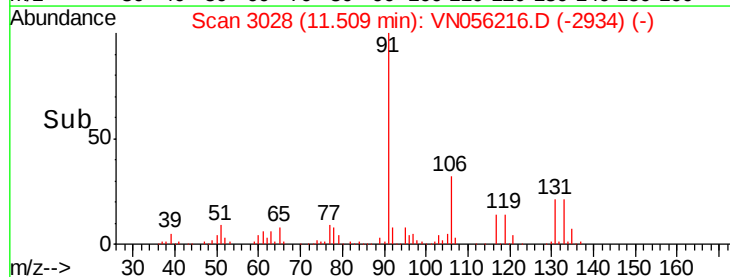
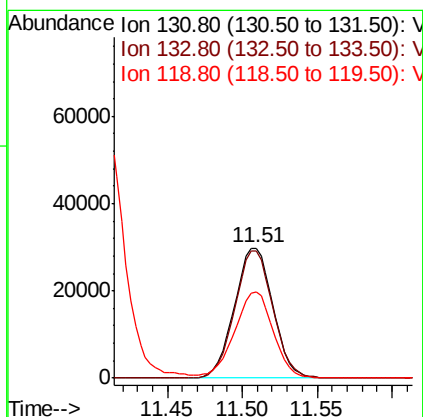
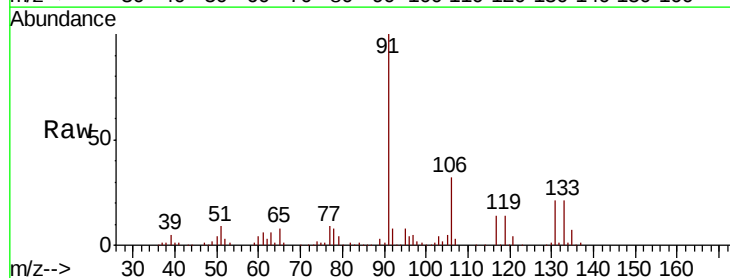
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

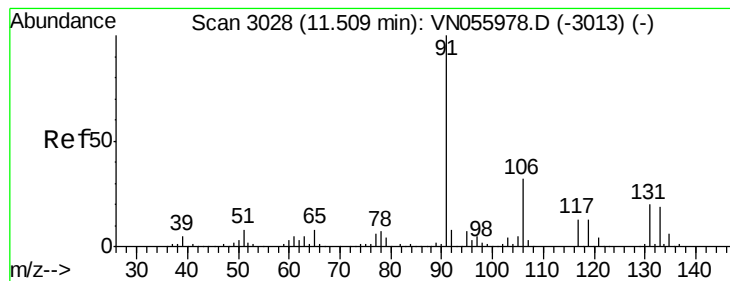
Tot Ion:112 Resp: 142262
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.580 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion:131 Resp: 53507
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.0
119 66.8 33.1 99.5





#67

Ethyl Benzene

Concen: 19.251 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

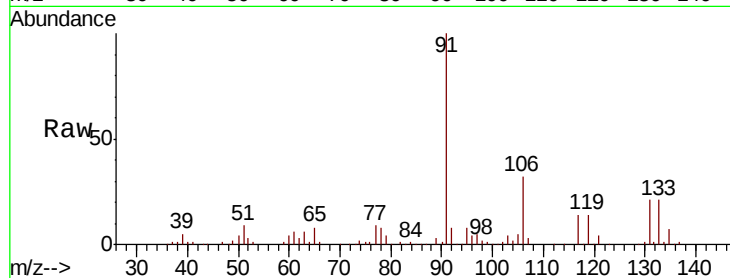
VN0611WBS01

Tot Ion: 91 Resp: 240380

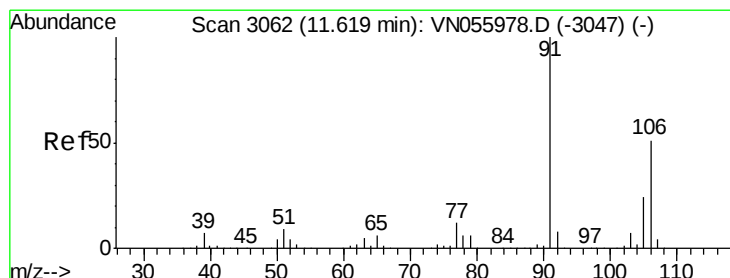
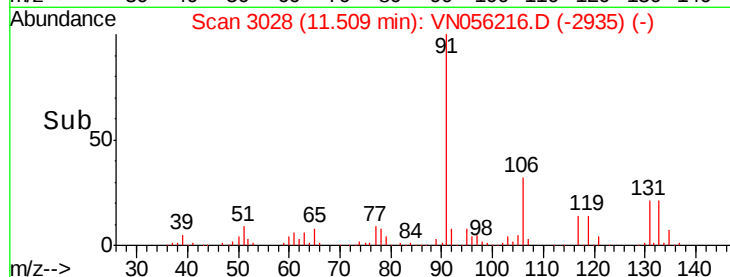
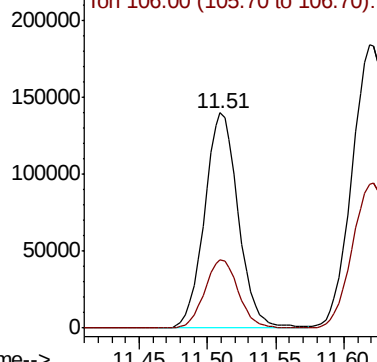
Ion Ratio Lower Upper

91 100

106 31.7 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3013) (-)



#68

m/p-Xylenes

Concen: 38.593 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN056216.D

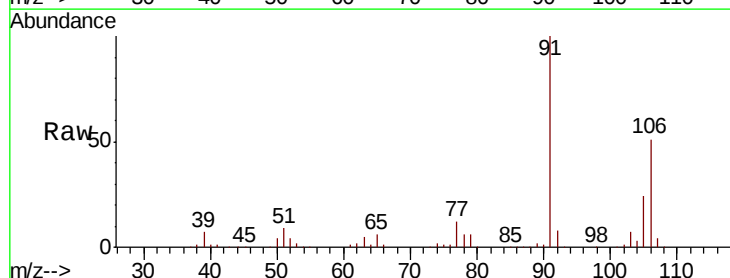
Acq: 11 Jun 2019 12:16

Tgt Ion:106 Resp: 184083

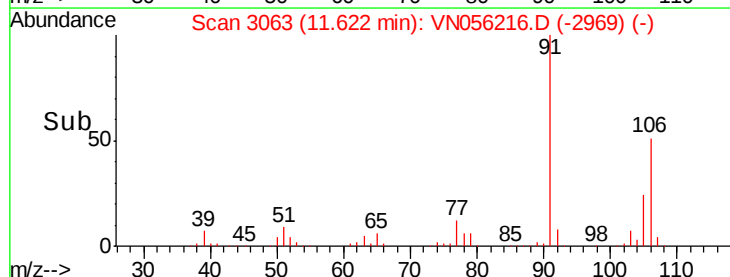
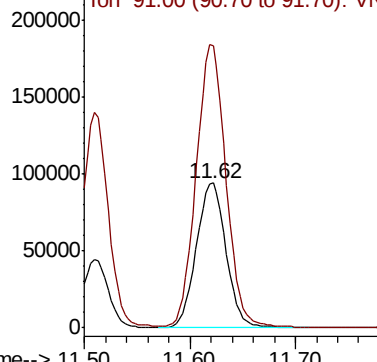
Ion Ratio Lower Upper

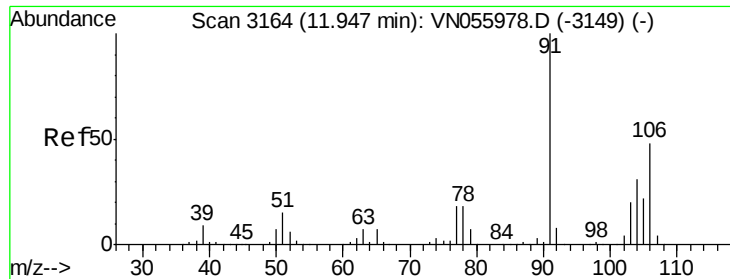
106 100

91 195.6 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): VN055978.D (-3047) (-)

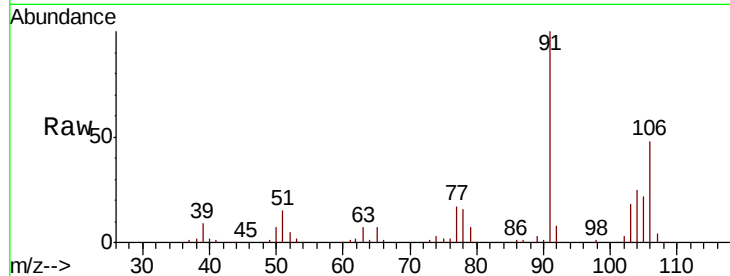




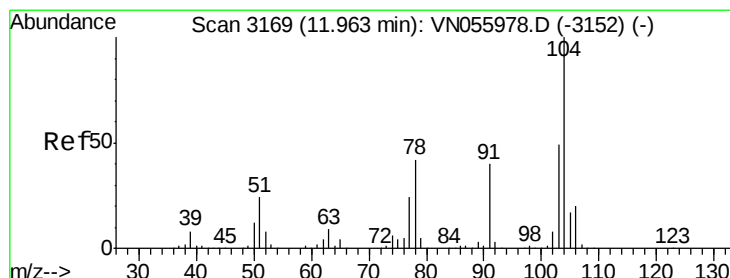
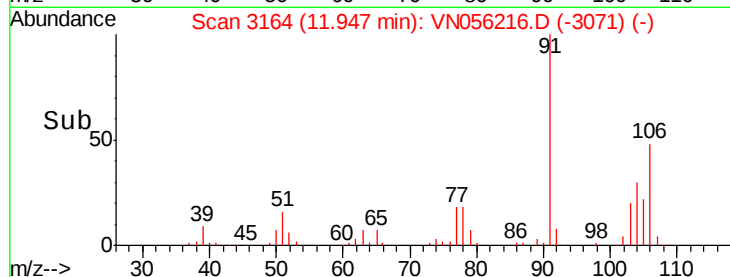
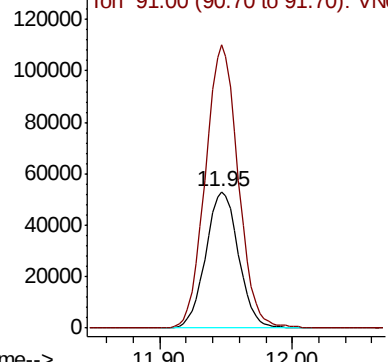
#69
o-Xylene
Concen: 19.466 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

Tot Ion:106 Resp: 91335
Ion Ratio Lower Upper
106 100
91 206.6 104.7 314.1

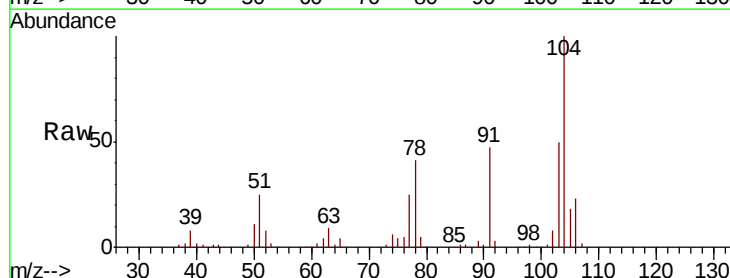


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

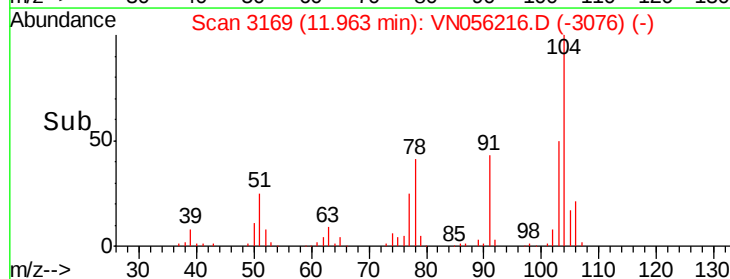
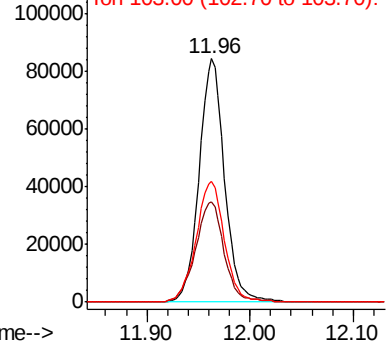


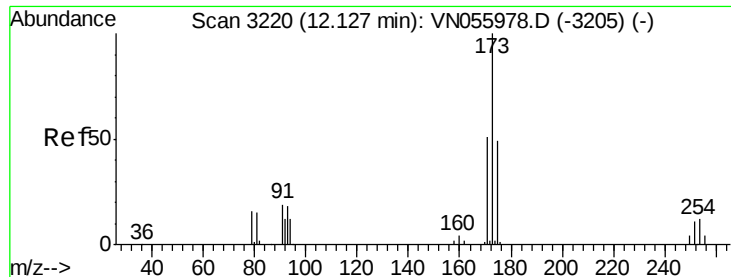
#70
Styrene
Concen: 19.457 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion:104 Resp: 145047
Ion Ratio Lower Upper
104 100
78 46.1 37.8 56.6
103 55.1 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

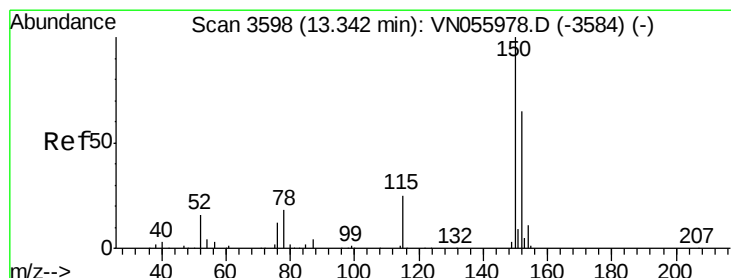
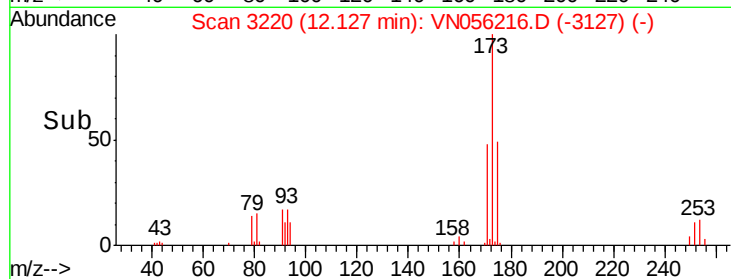
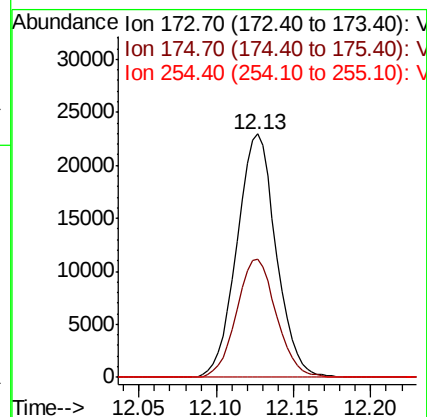
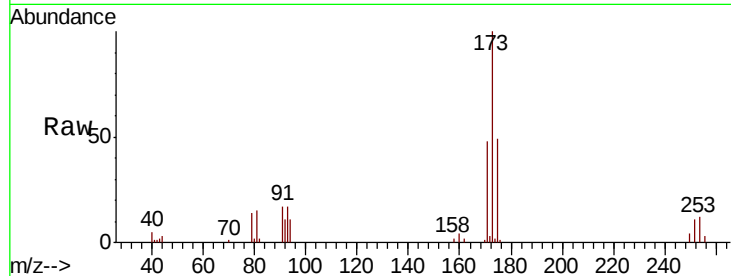




#71
Bromoform
Concen: 21.046 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

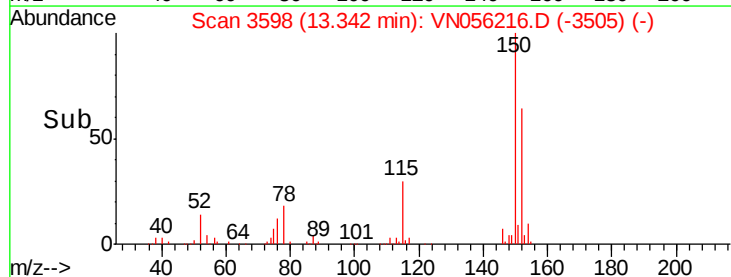
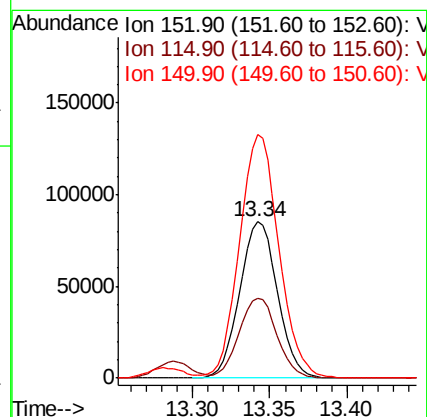
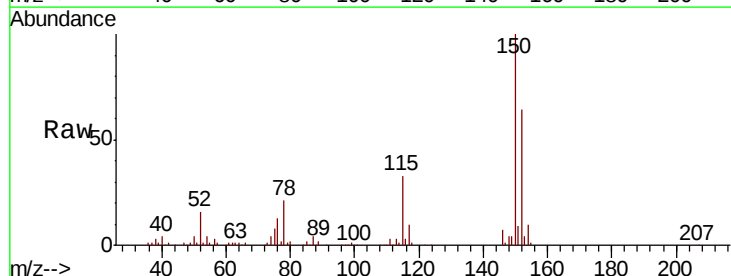
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

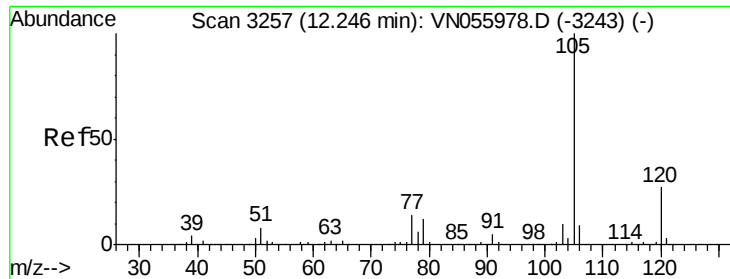
Tot Ion:173 Resp: 40314
Ion Ratio Lower Upper
173 100
175 49.3 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion:152 Resp: 144860
Ion Ratio Lower Upper
152 100
115 51.3 27.0 81.0
150 162.2 0.0 343.2





#73

Isopropylbenzene

Concen: 21.829 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

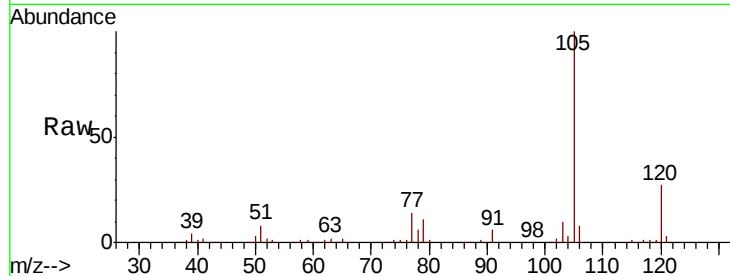
VN0611WBS01

Tot Ion:105 Resp: 239479

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

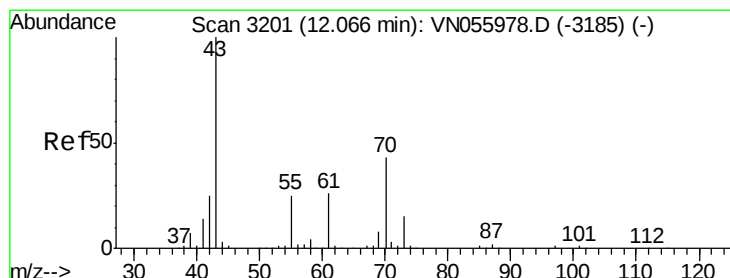
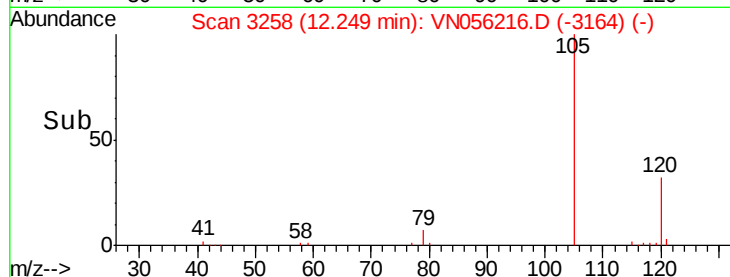
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 20.035 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Tgt Ion: 43 Resp: 77364

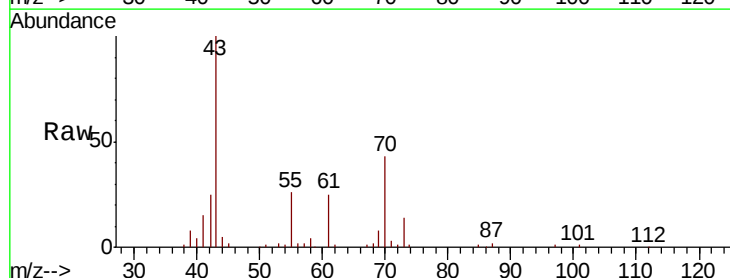
Ion Ratio Lower Upper

43 100

70 43.5 34.0 51.0

55 25.6 18.6 28.0

61 24.9 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

60000

40000

20000

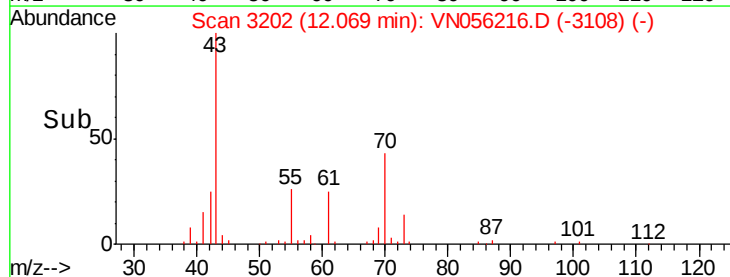
0

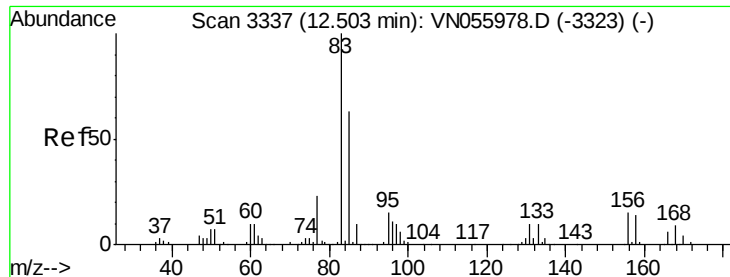
12.07

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.747 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

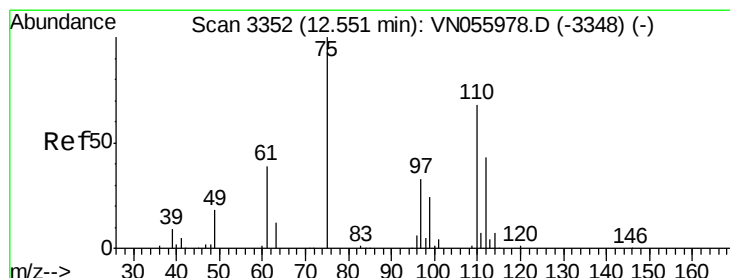
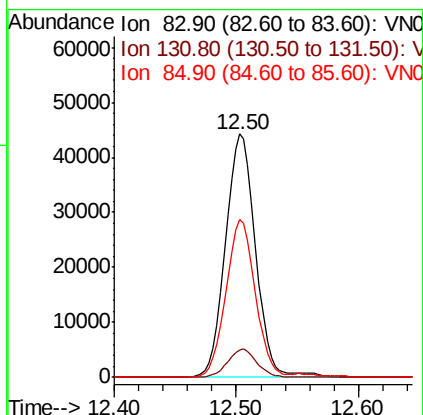
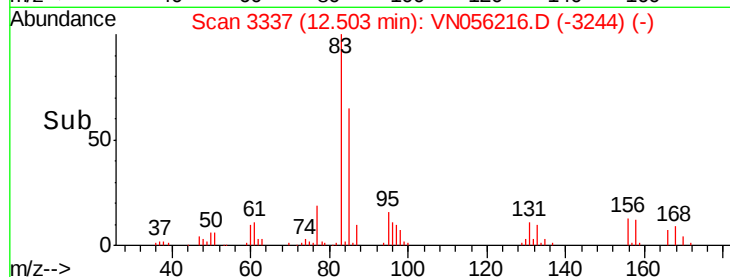
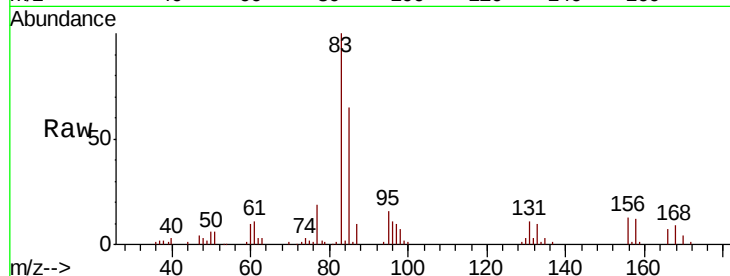
Tot Ion: 83 Resp: 76495

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

85 63.0 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 31.458 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056216.D

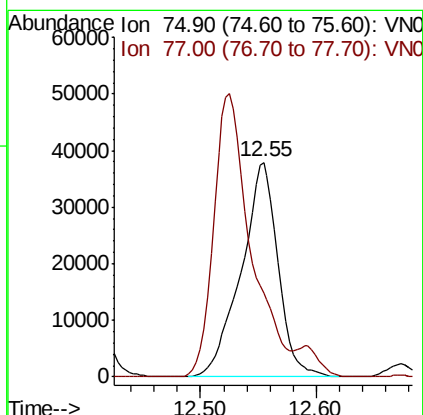
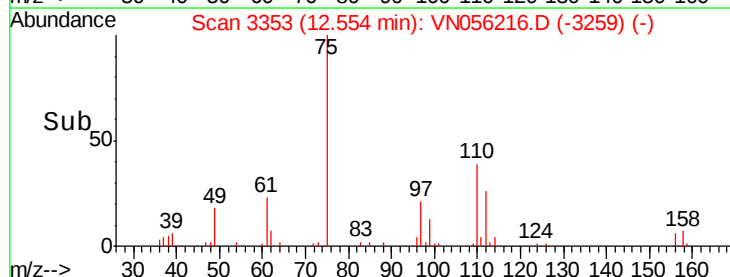
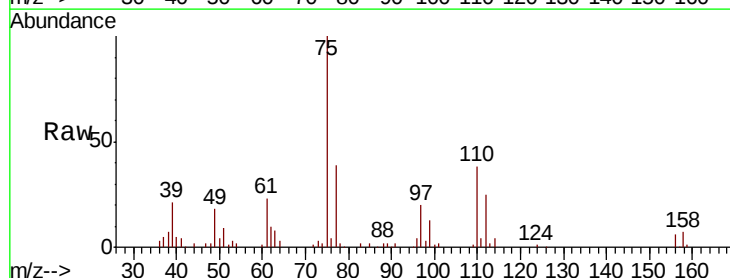
Acq: 11 Jun 2019 12:16

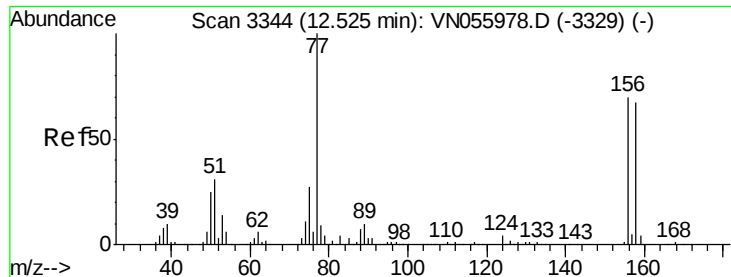
Tgt Ion: 75 Resp: 83852

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.792 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

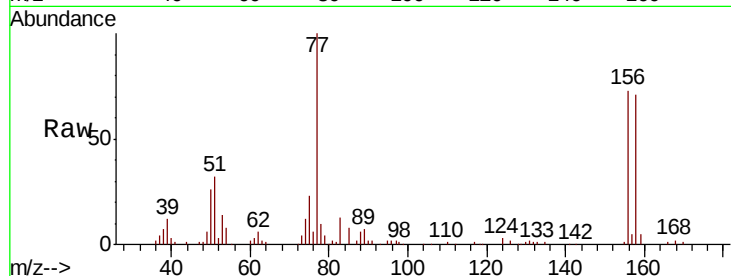
Tot Ion:156 Resp: 64485

Ion Ratio Lower Upper

156 100

77 172.6 90.8 272.5

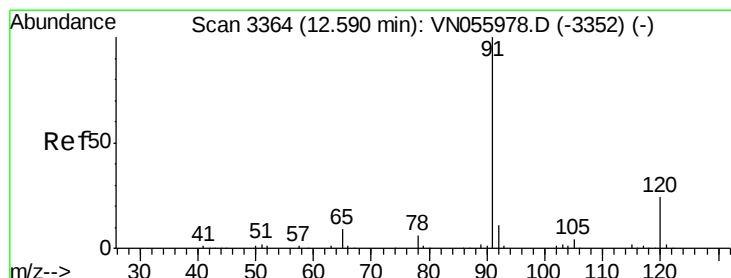
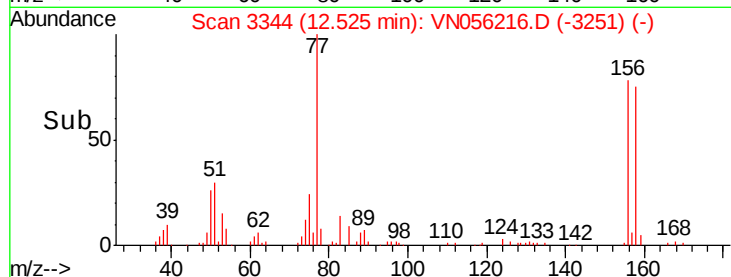
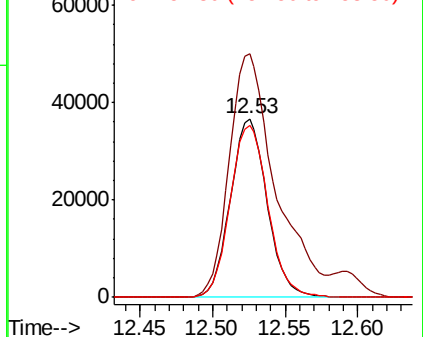
158 99.4 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.635 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056216.D

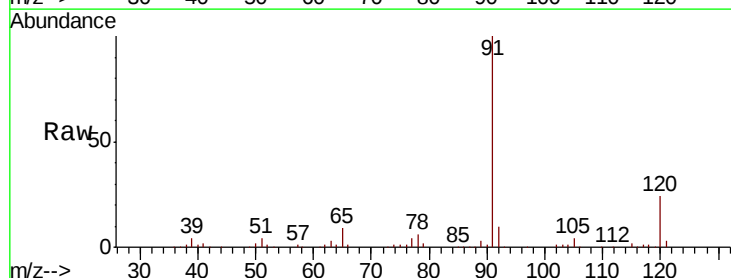
Acq: 11 Jun 2019 12:16

Tgt Ion: 91 Resp: 240624

Ion Ratio Lower Upper

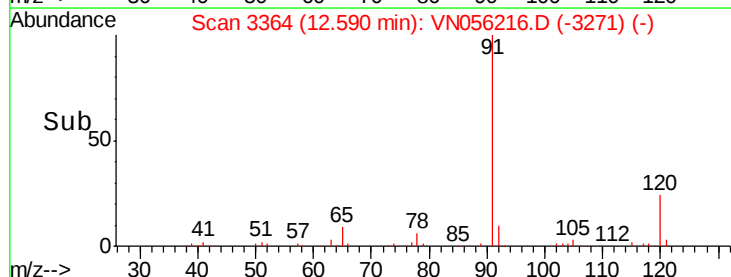
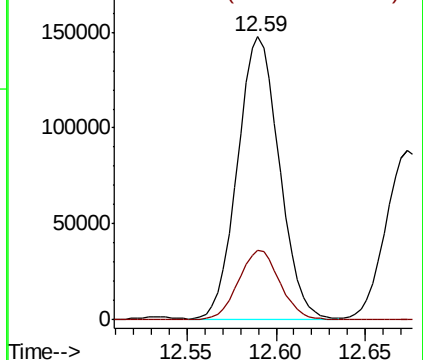
91 100

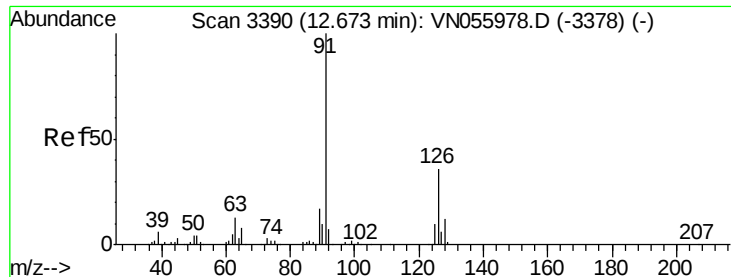
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.861 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

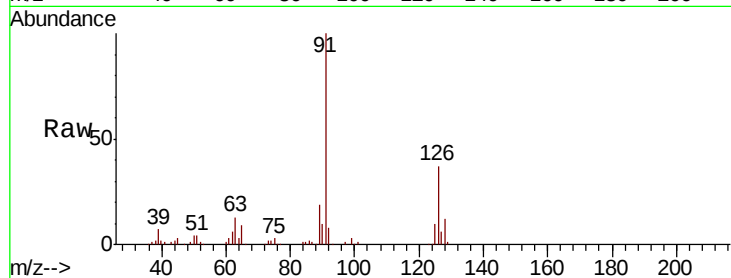
VN0611WBS01

Tot Ion: 91 Resp: 150998

Ion Ratio Lower Upper

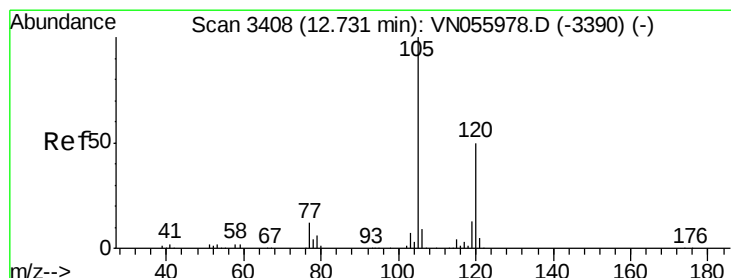
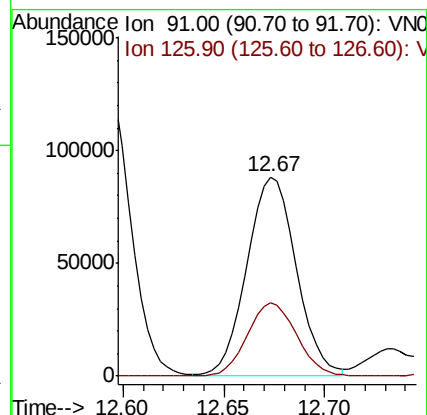
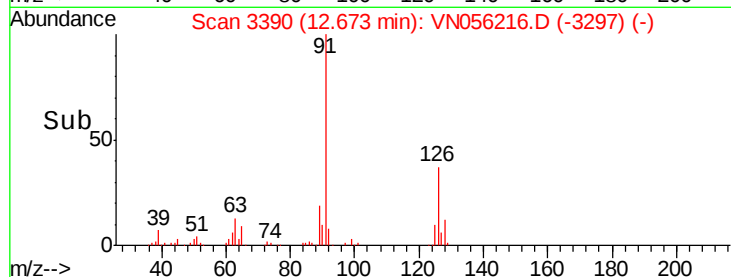
91 100

126 36.9 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.858 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056216.D

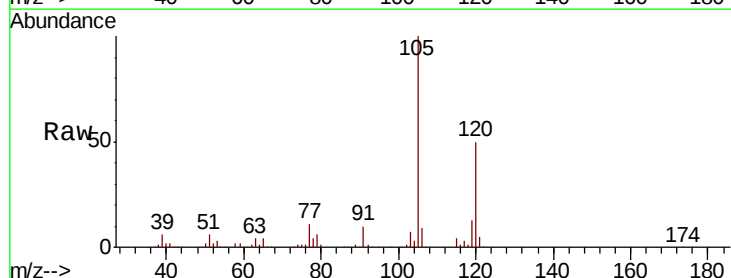
Acq: 11 Jun 2019 12:16

Tgt Ion:105 Resp: 193411

Ion Ratio Lower Upper

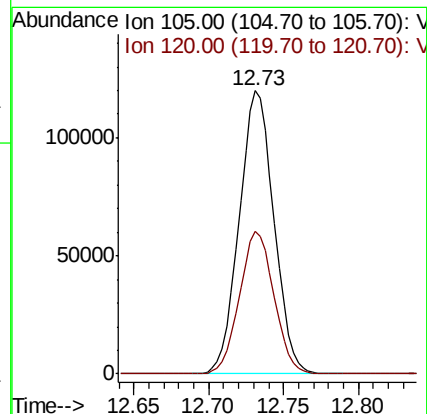
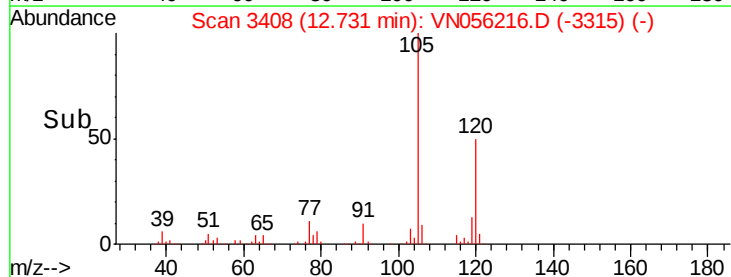
105 100

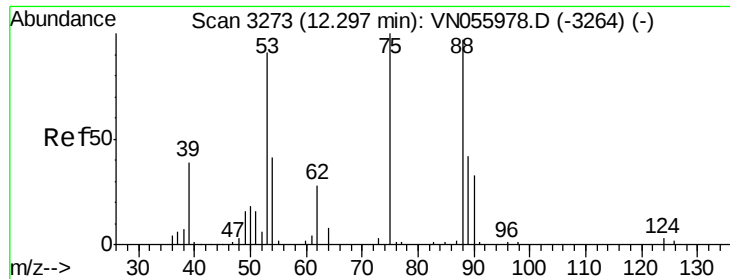
120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.156 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBS01

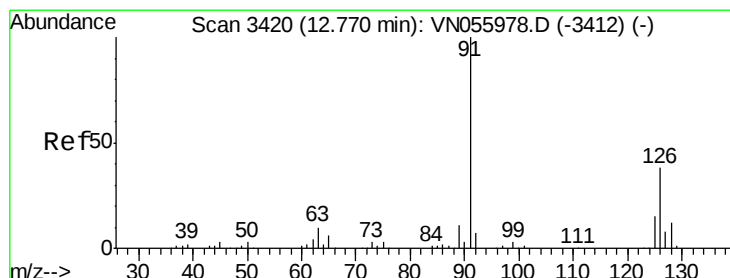
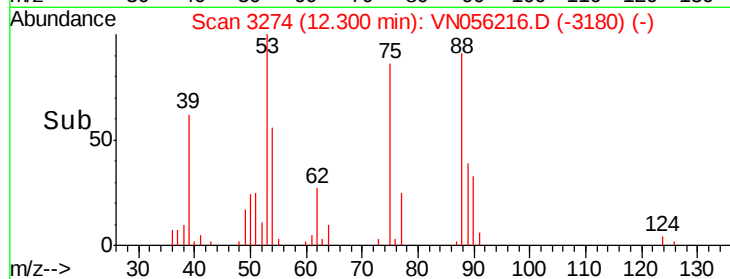
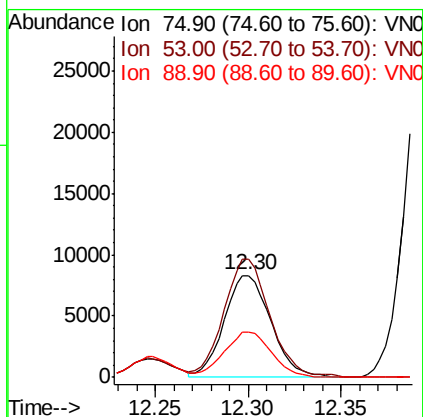
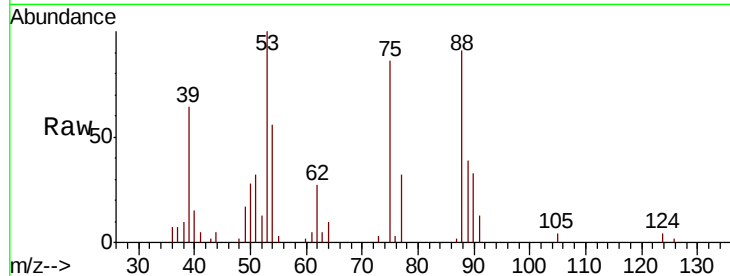
Tot Ion: 75 Resp: 14532

Ion Ratio Lower Upper

75 100

53 109.3 68.1 102.1#

89 44.9 36.9 55.3



#82

4-Chlorotoluene

Concen: 19.511 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056216.D

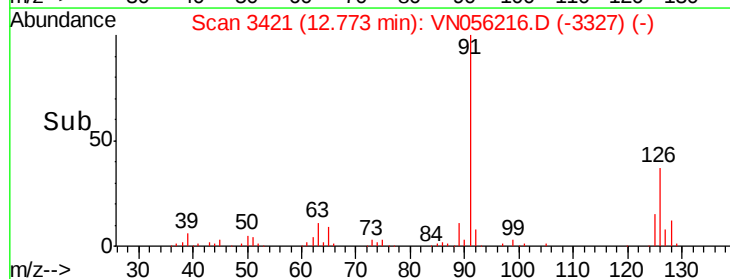
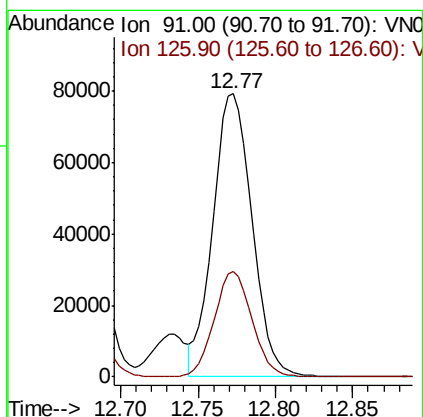
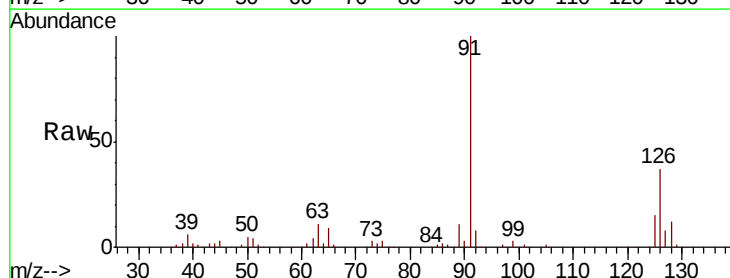
Acq: 11 Jun 2019 12:16

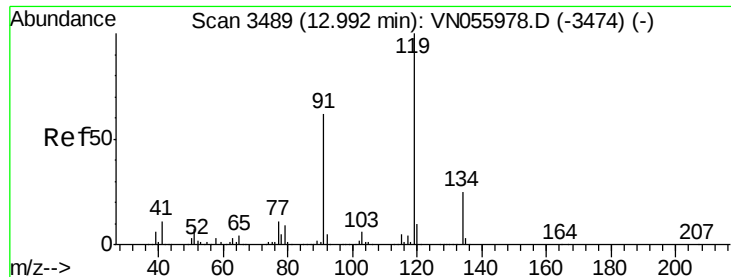
Tgt Ion: 91 Resp: 139889

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.3

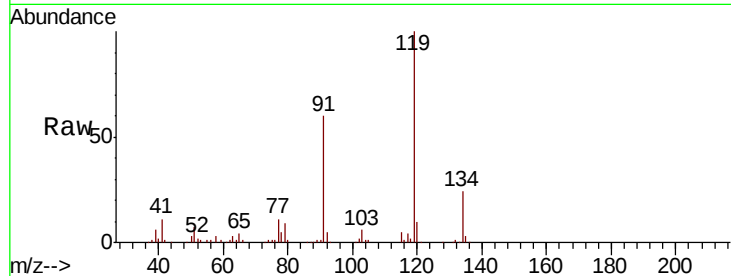




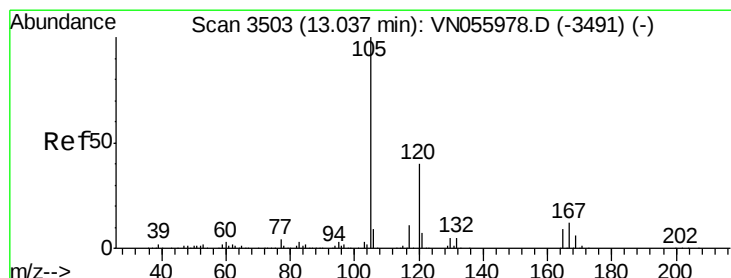
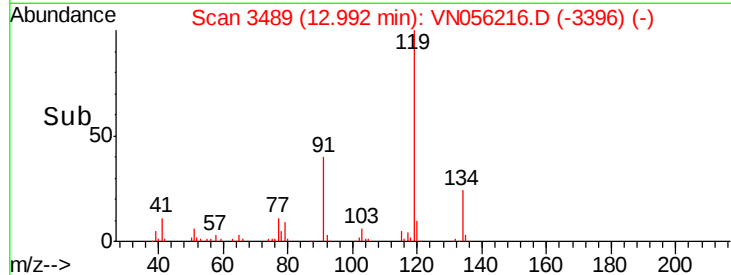
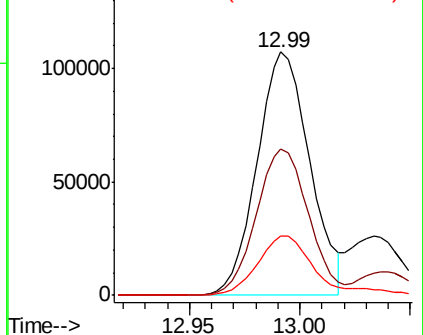
#83
tert-Butylbenzene
Concen: 21.921 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS01

Tot Ion:119 Resp: 177237
Ion Ratio Lower Upper
119 100
91 59.8 30.9 92.8
134 26.7 13.3 39.8

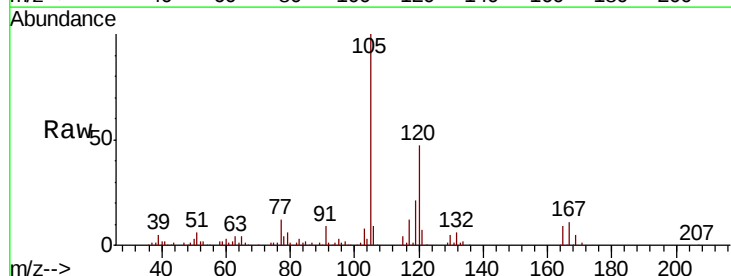


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

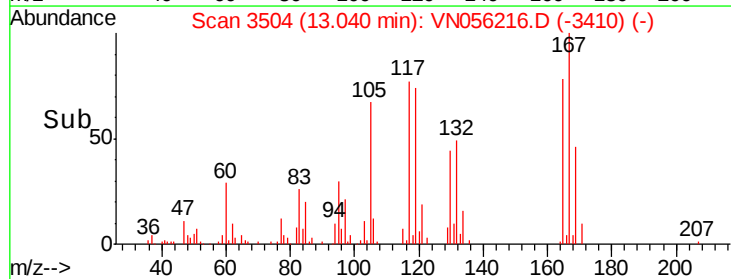
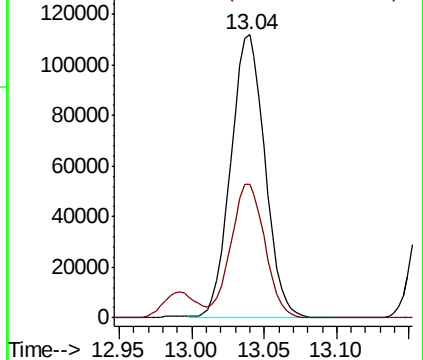


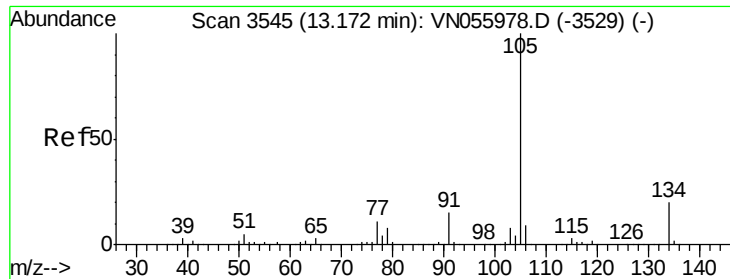
#84
1,2,4-Trimethylbenzene
Concen: 19.817 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion:105 Resp: 183033
Ion Ratio Lower Upper
105 100
120 47.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.999 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

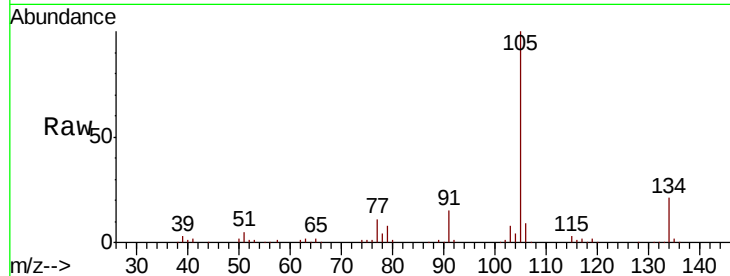
VN0611WBS01

Tot Ion:105 Resp: 217053

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

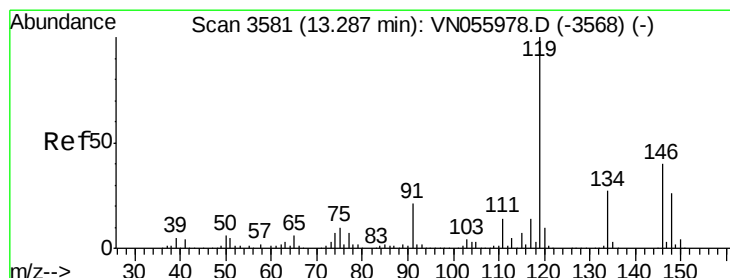
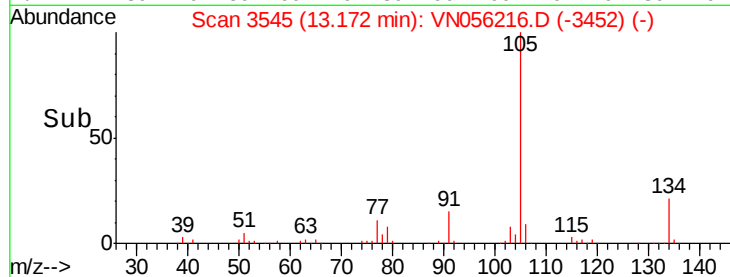
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.419 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

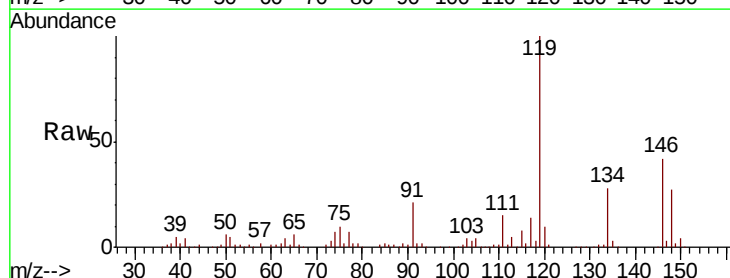
Tgt Ion:119 Resp: 188615

Ion Ratio Lower Upper

119 100

134 27.7 13.4 40.1

91 21.6 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

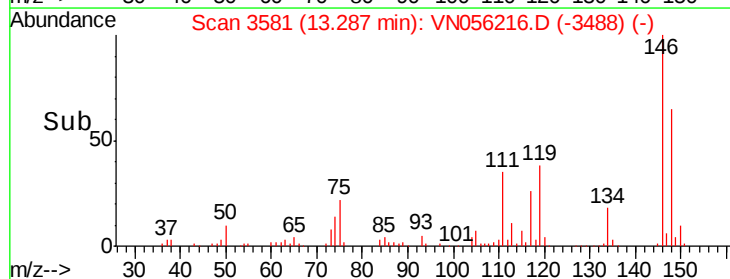
150000

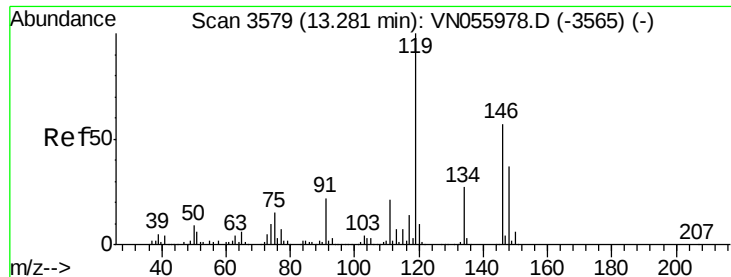
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

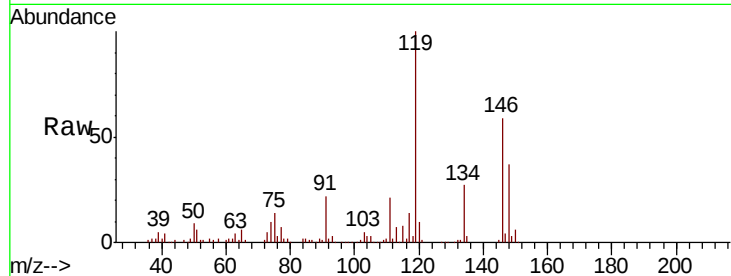




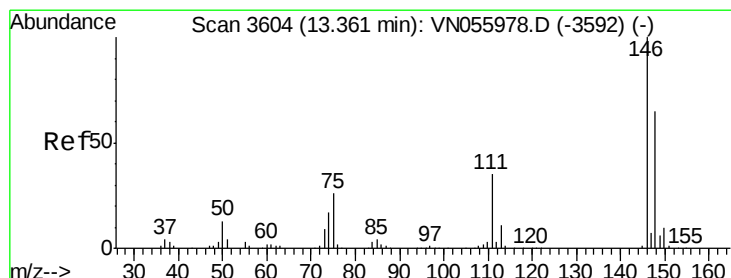
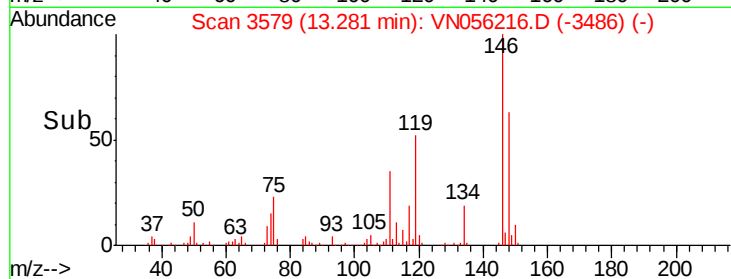
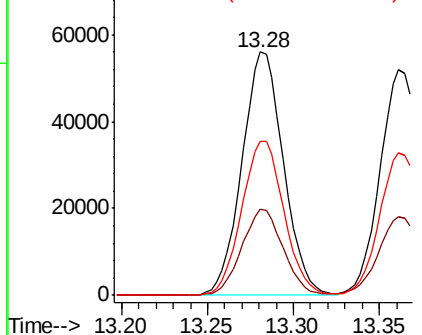
#87
 1,3-Dichlorobenzene
 Concen: 19.543 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

Tot Ion:146 Resp: 93810
 Ion Ratio Lower Upper
 146 100
 111 35.2 18.5 55.5
 148 64.4 32.0 96.2

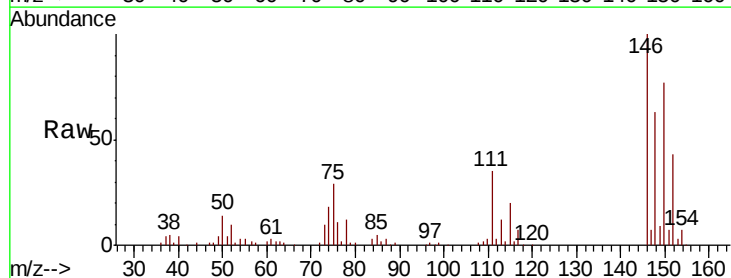


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

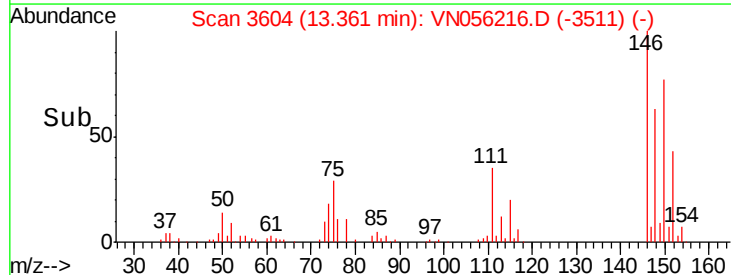
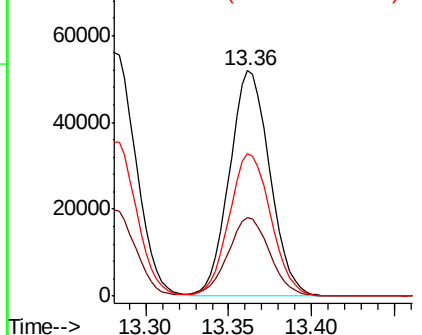


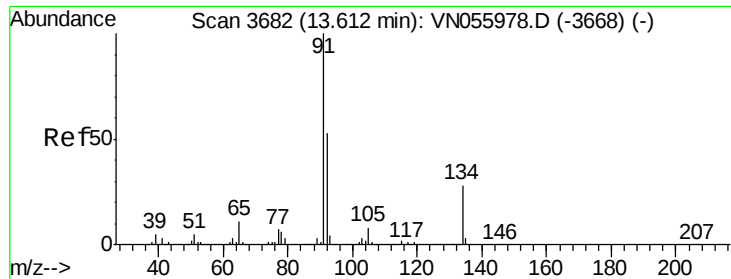
#88
 1,4-Dichlorobenzene
 Concen: 19.018 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion:146 Resp: 87814
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.1 54.4
 148 65.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

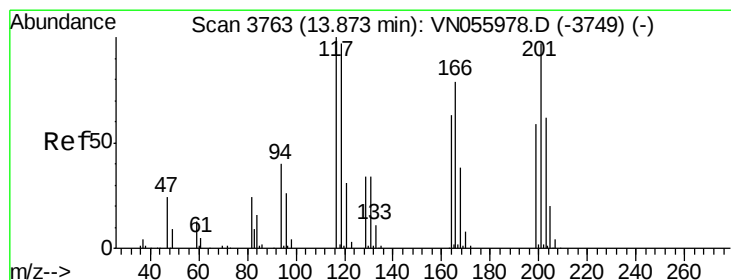
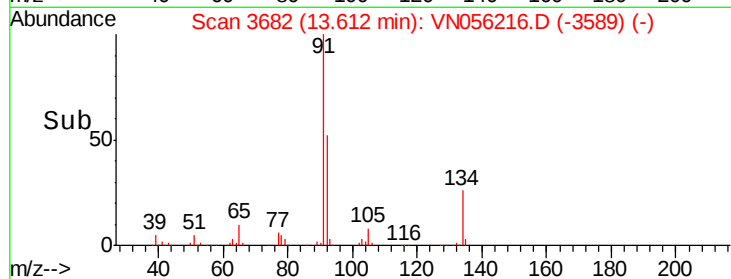
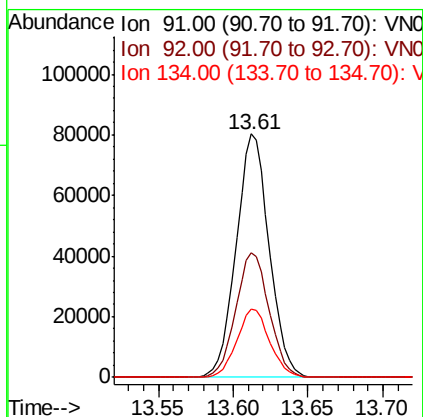
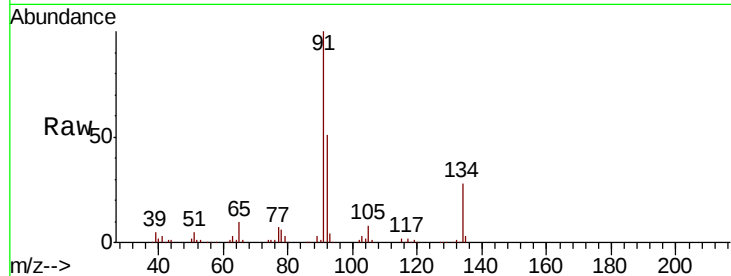




#89
n-Butylbenzene
Concen: 17.109 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

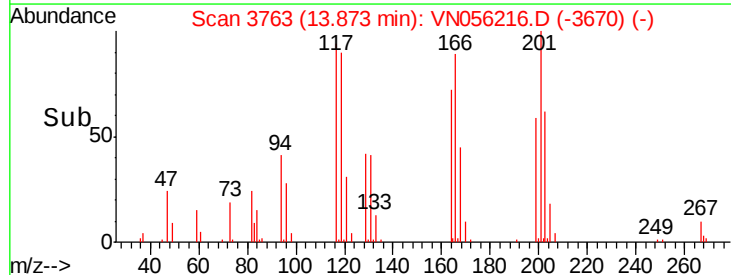
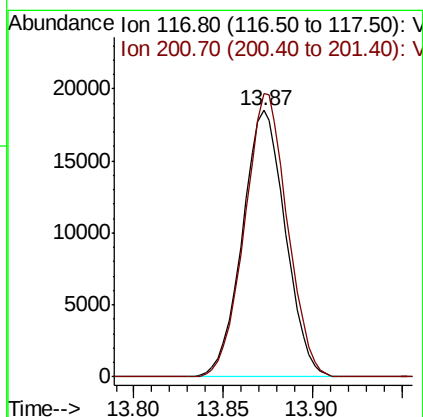
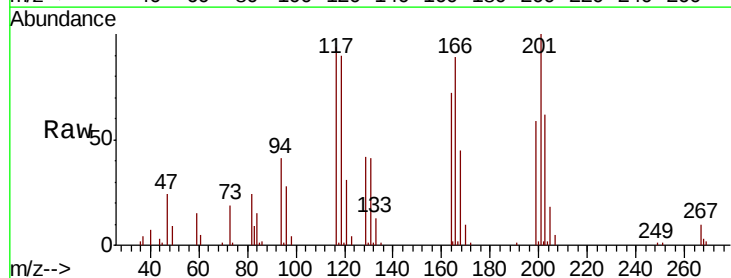
Instrument :
MSVOA_N
ClientSampled :
VN0611WBS01

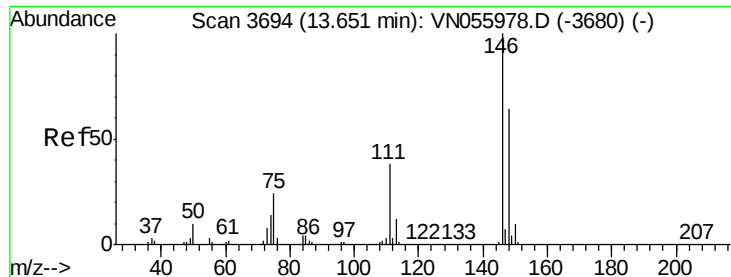
Tot Ion: 91 Resp: 123101
Ion Ratio Lower Upper
91 100
92 51.6 26.4 79.0
134 27.8 13.9 41.7



#90
Hexachloroethane
Concen: 21.307 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056216.D
Acq: 11 Jun 2019 12:16

Tgt Ion: 117 Resp: 31211
Ion Ratio Lower Upper
117 100
201 105.6 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.167 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

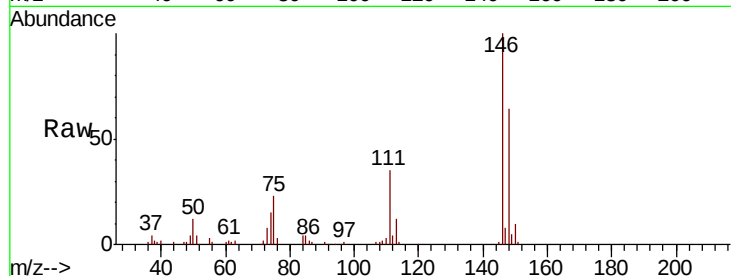
Tot Ion:146 Resp: 97733

Ion Ratio Lower Upper

146 100

111 36.2 19.1 57.5

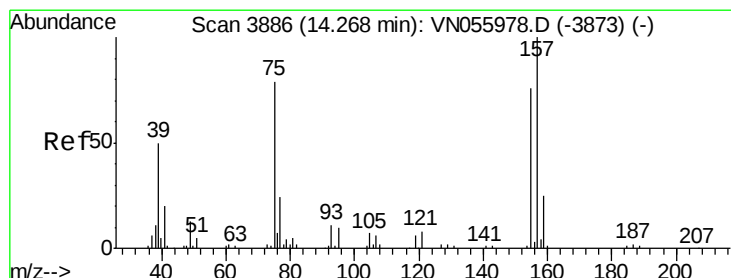
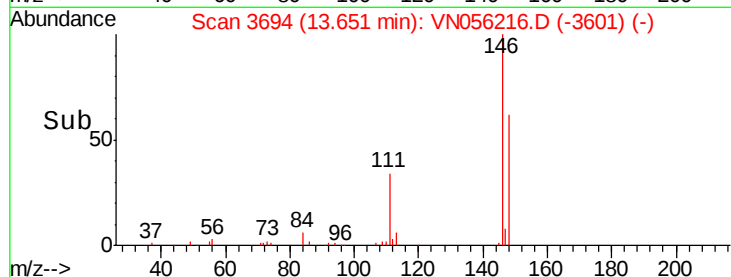
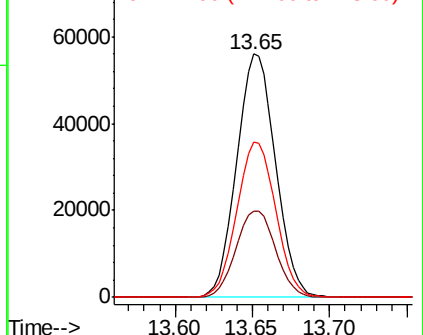
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.335 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

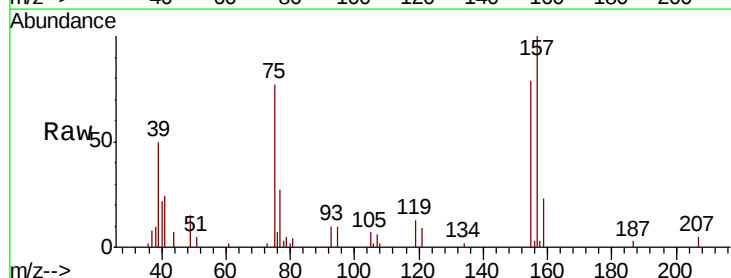
Tgt Ion: 75 Resp: 10743

Ion Ratio Lower Upper

75 100

155 100.8 50.0 150.1

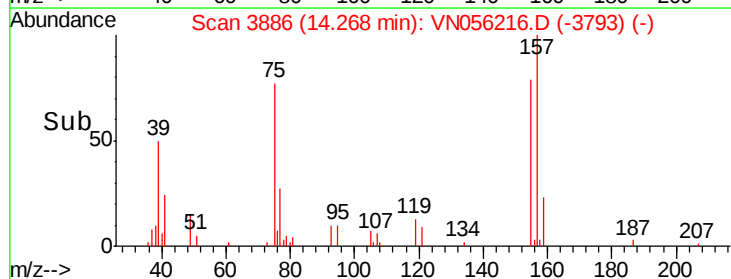
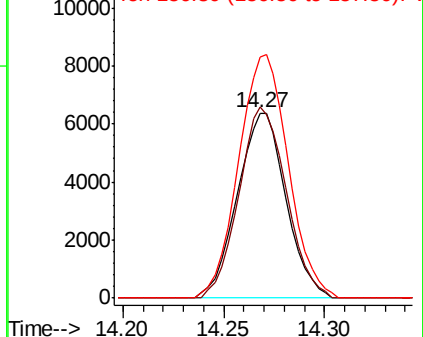
157 134.4 64.8 194.3

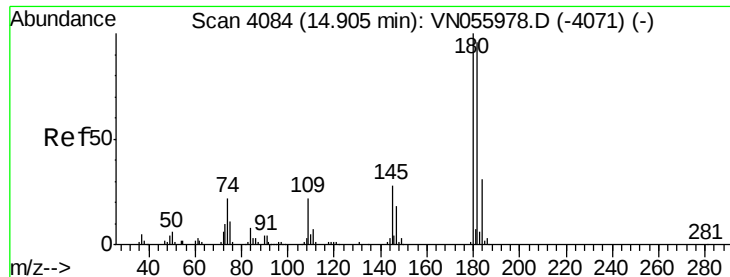


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

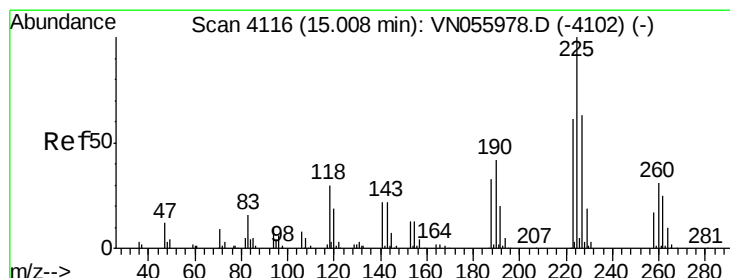
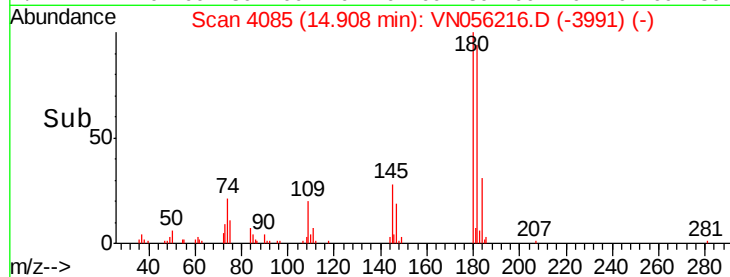
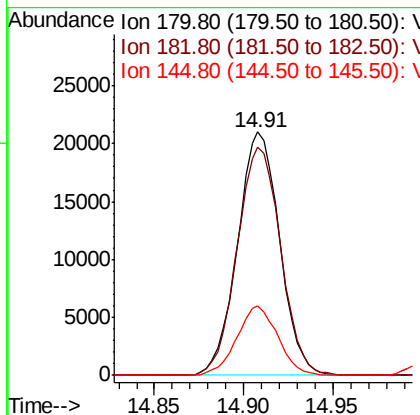
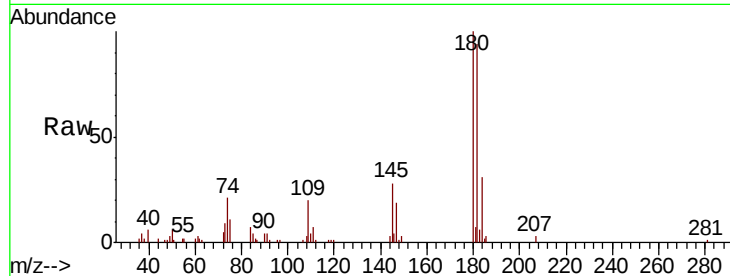




#93
 1,2,4-Trichlorobenzene
 Concen: 16.079 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

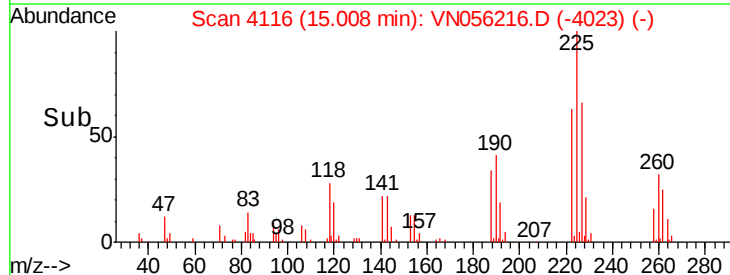
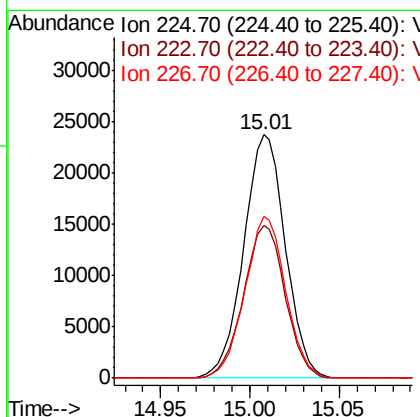
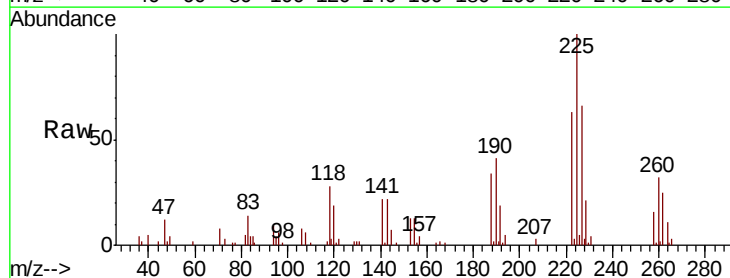
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS01

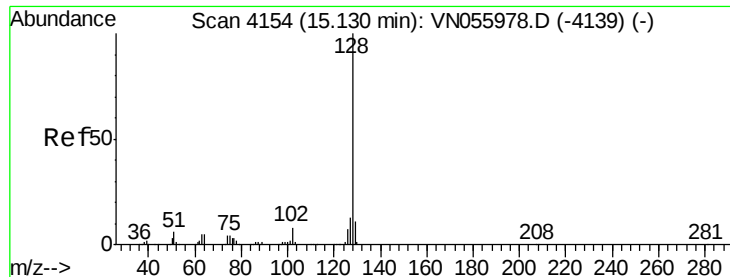
Tot Ion:180 Resp: 34483
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.3 144.9
 145 27.6 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 22.118 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056216.D
 Acq: 11 Jun 2019 12:16

Tgt Ion:225 Resp: 38696
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.9 92.7
 227 65.0 31.6 94.7





#95

Naphthalene

Concen: 16.345 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0611WBS01

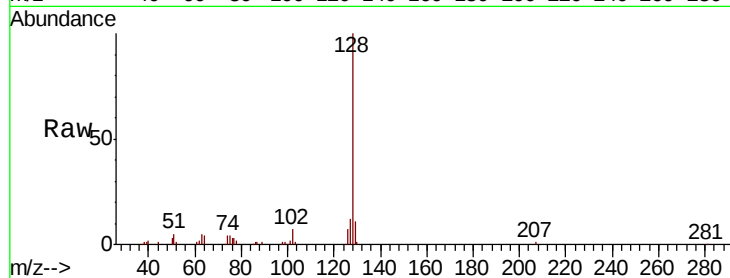
Tot Ion:128 Resp: 93786

Ion Ratio Lower Upper

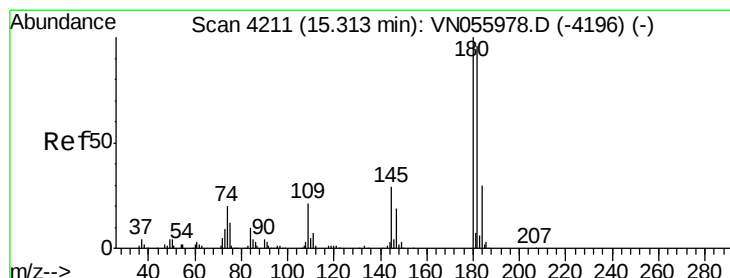
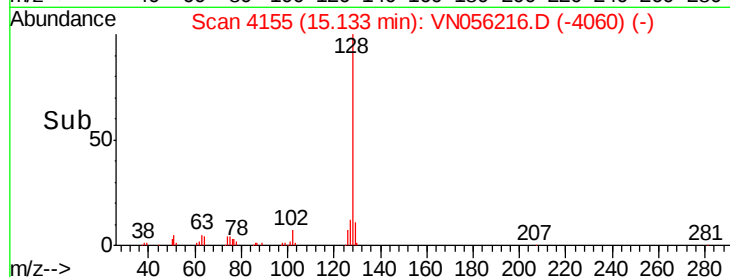
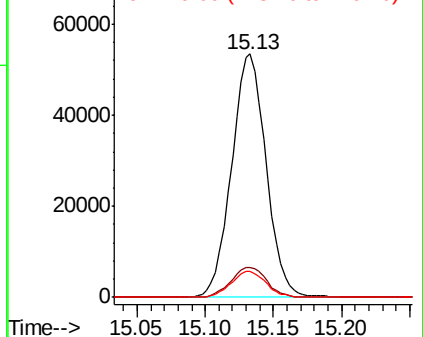
128 100

127 12.8 10.3 15.5

129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.338 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056216.D

Acq: 11 Jun 2019 12:16

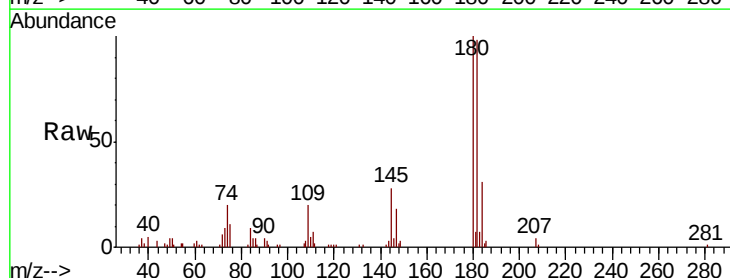
Tgt Ion:180 Resp: 41451

Ion Ratio Lower Upper

180 100

182 97.8 47.9 143.7

145 28.4 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

