

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056196.D
 Acq On : 11 Jun 2019 3:30
 Operator : JC/SP
 Sample : VN0610WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Quant Time: Jun 11 05:10:11 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	274102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	404836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	369849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151008	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	140592	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	7.59	113	128296	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.09	98	469631	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.40	95	157445	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	59428	19.950	ug/l	99
3) Chloromethane	2.06	50	63538	21.384	ug/l	99
4) Vinyl Chloride	2.18	62	63070	21.161	ug/l	100
5) Bromomethane	2.53	94	36646	19.464	ug/l	99
6) Chloroethane	2.68	64	36187	20.941	ug/l	98
7) Trichlorofluoromethane	3.00	101	78706	20.685	ug/l	94
8) Diethyl Ether	3.40	74	31213	19.948	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48001	20.768	ug/l	99
10) Methyl Iodide	3.93	142	61315	16.693	ug/l	99
11) Tert butyl alcohol	4.82	59	47269	99.804	ug/l	99
12) 1,1-Dichloroethene	3.72	96	47944	20.836	ug/l	97
13) Acrolein	3.60	56	10654	77.997	ug/l	98
14) Allyl chloride	4.31	41	73229	20.154	ug/l	97
15) Acrylonitrile	4.99	53	139650	121.127	ug/l	100
16) Acetone	3.82	43	114500	87.965	ug/l	99
17) Carbon Disulfide	4.03	76	99993	18.149	ug/l	99
18) Methyl Acetate	4.33	43	66410	25.692	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	155669	21.224	ug/l	99
20) Methylene Chloride	4.54	84	57553	21.461	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	50300	20.402	ug/l	97
22) Diisopropyl ether	5.95	45	161381	21.486	ug/l	99
23) Vinyl Acetate	5.90	43	618342	104.540	ug/l	100
24) 1,1-Dichloroethane	5.84	63	93306	21.536	ug/l	99
25) 2-Butanone	6.84	43	181453	110.332	ug/l	100
26) 2,2-Dichloropropane	6.82	77	41962	12.412	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	61762	21.311	ug/l	94
28) Bromochloromethane	7.19	49	45596	22.254	ug/l	99
29) Tetrahydrofuran	7.22	42	119657	117.704	ug/l	99
30) Chloroform	7.37	83	95666	21.950	ug/l	99
31) Cyclohexane	7.65	56	83524	19.340	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	78105	21.460	ug/l	99
36) 1,1-Dichloropropene	7.79	75	66603	19.133	ug/l	98
37) Ethyl Acetate	6.93	43	72253	23.328	ug/l	99
38) Carbon Tetrachloride	7.77	117	66440	20.702	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	77281	17.822	ug/l	97
40) Benzene	8.04	78	217750	20.596	ug/l	98
41) Methacrylonitrile	7.18	41	33096	23.225	ug/l	96
42) 1,2-Dichloroethane	8.12	62	71195	20.934	ug/l	100
43) Isopropyl Acetate	8.17	43	105294	20.979	ug/l #	92
44) Trichloroethene	8.83	130	62971	20.728	ug/l	100
45) 1,2-Dichloropropane	9.12	63	57751	21.325	ug/l	96
46) Dibromomethane	9.21	93	38496	21.738	ug/l	97
47) Bromodichloromethane	9.40	83	70819	22.065	ug/l	98
48) Methyl methacrylate	9.20	41	54100	22.033	ug/l	97
49) 1,4-Dioxane	9.21	88	24473	461.665	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	354604	112.980	ug/l	99
52) Toluene	10.16	92	137812	20.947	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	62473	18.204	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	75681	19.617	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	57408	22.029	ug/l	97
56) Ethyl methacrylate	10.43	69	81598	21.462	ug/l	98
57) 1,3-Dichloropropane	10.71	76	91662	21.636	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	137141	100.440	ug/l	100
59) 2-Hexanone	10.75	43	250194	109.984	ug/l	100
60) Dibromochloromethane	10.90	129	56934	21.289	ug/l	98
61) 1,2-Dibromoethane	11.00	107	57836	21.709	ug/l	99
64) Tetrachloroethene	10.63	164	68707	21.461	ug/l	98
65) Chlorobenzene	11.43	112	147193	19.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	54071	21.275	ug/l	99
67) Ethyl Benzene	11.51	91	251581	19.656	ug/l	98
68) m/p-Xylenes	11.62	106	194520	39.784	ug/l	99
69) o-Xylene	11.95	106	96164	19.995	ug/l	99
70) Styrene	11.96	104	156367	20.462	ug/l	99
71) Bromoform	12.13	173	40783	20.807	ug/l #	99
73) Isopropylbenzene	12.25	105	252096	22.069	ug/l	99
74) N-amyl acetate	12.07	43	85151	21.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	79100	22.564	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	87157	31.367	ug/l #	100
77) Bromobenzene	12.53	156	69436	21.477	ug/l	95
78) n-propylbenzene	12.59	91	257697	20.172	ug/l	99
79) 2-Chlorotoluene	12.67	91	163905	21.822	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	206482	20.337	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	14738	17.664	ug/l #	84
82) 4-Chlorotoluene	12.77	91	150293	20.109	ug/l	99
83) tert-Butylbenzene	12.99	119	187427	22.279	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	199400	20.710	ug/l	99
85) sec-Butylbenzene	13.17	105	229448	20.281	ug/l	99
86) p-Isopropyltoluene	13.29	119	202003	19.950	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	103295	20.643	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	97460	20.247	ug/l	99
89) n-Butylbenzene	13.61	91	131739	17.564	ug/l	99
90) Hexachloroethane	13.87	117	32924	21.562	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	106507	21.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11782	23.498	ug/l	94

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Response via : Initial Calibration

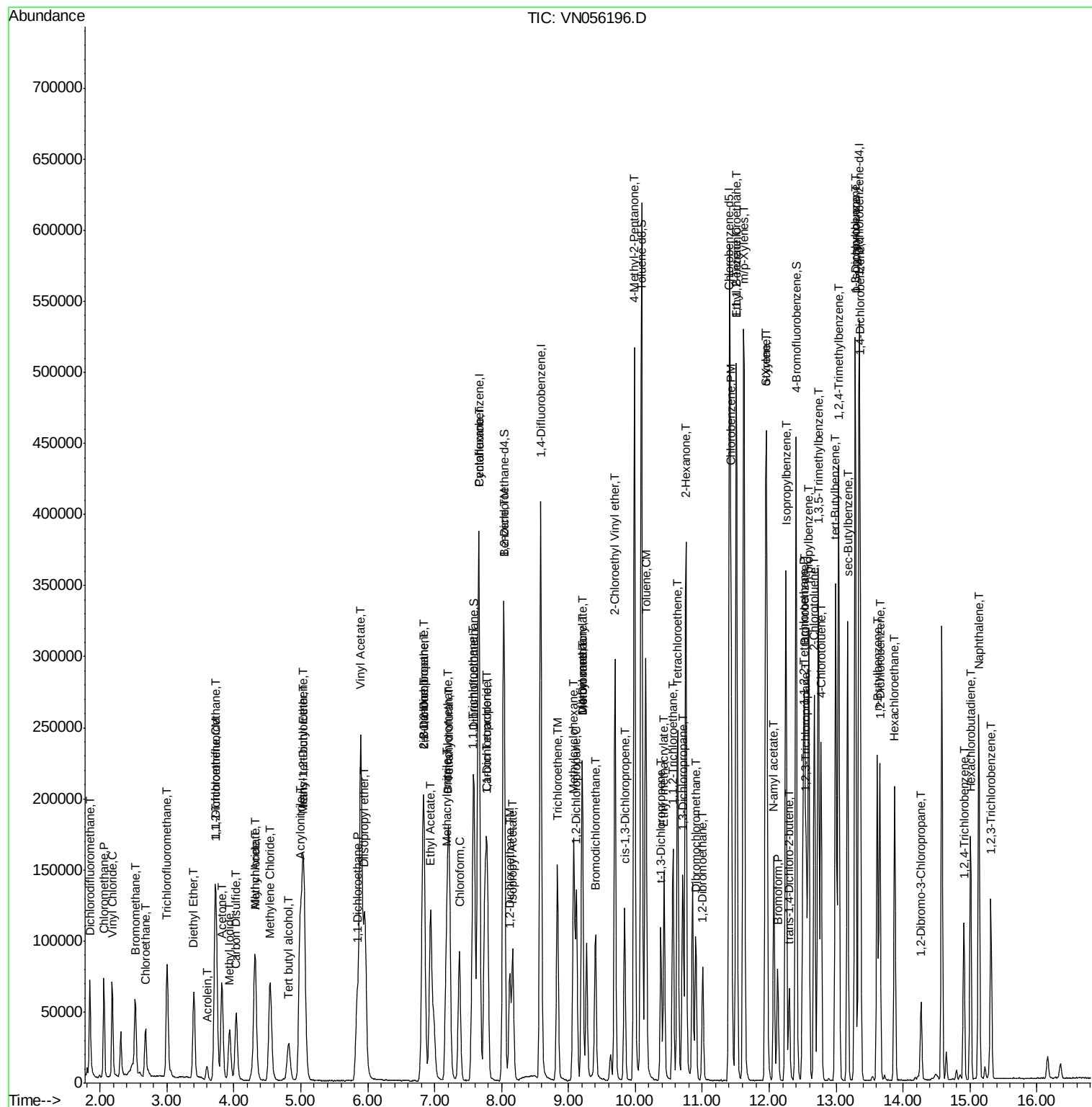
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41277	17.830	ug/l	97
94) Hexachlorobutadiene	15.01	225	39367	21.533	ug/l	99
95) Naphthalene	15.13	128	229580	33.189	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49956	19.571	ug/l	99

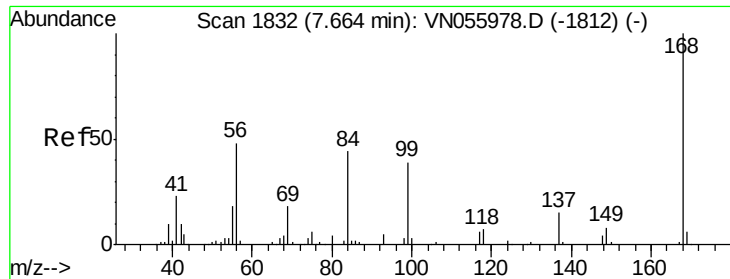
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

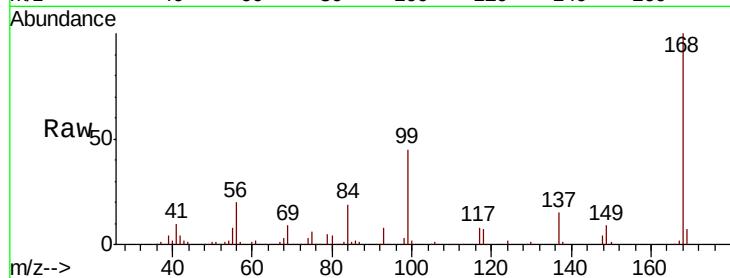
VN0610WBSD02

Tot Ion:168 Resp: 274102

Ion Ratio Lower Upper

168 100

99 44.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

120000

100000

80000

60000

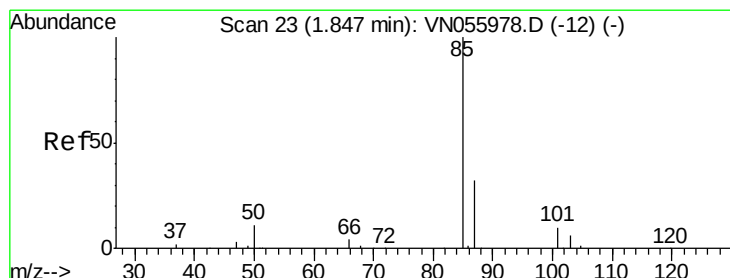
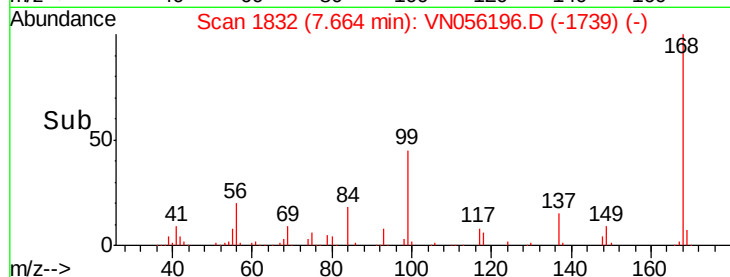
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.950 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056196.D

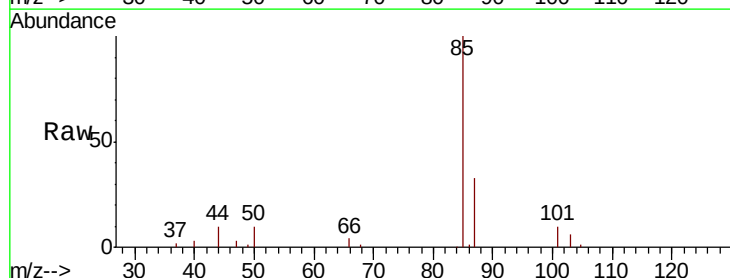
Acq: 11 Jun 2019 3:30

Tgt Ion: 85 Resp: 59428

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

30000

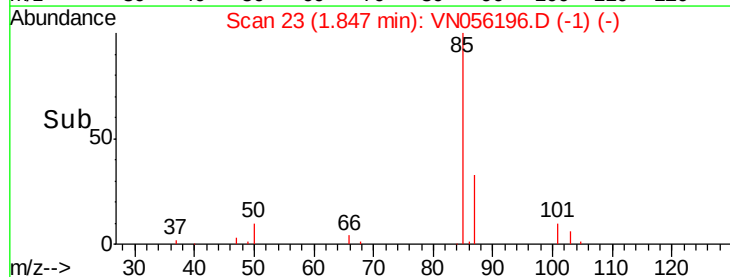
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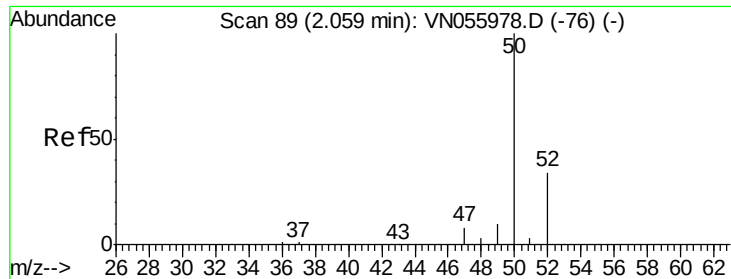
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0

1.80 1.85 1.90 1.95

Time-->

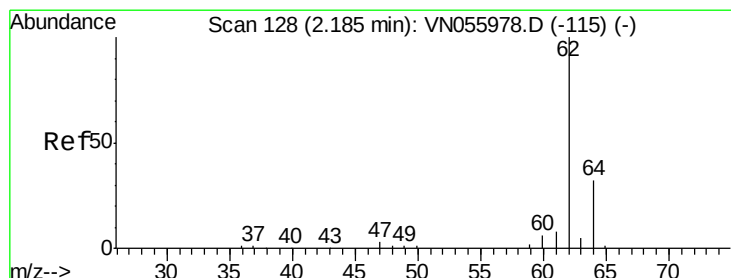
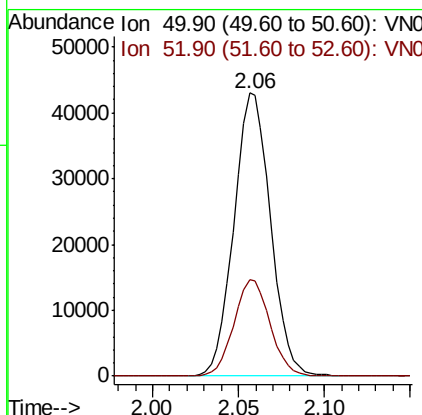
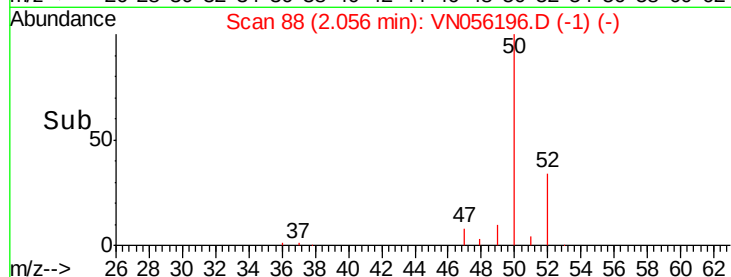
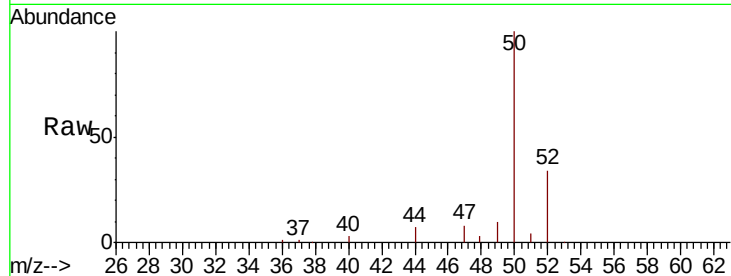




#3
Chloromethane
Concen: 21.384 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

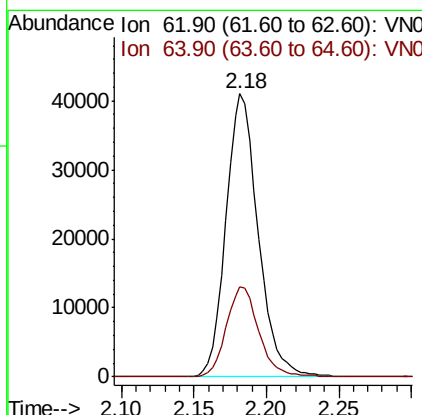
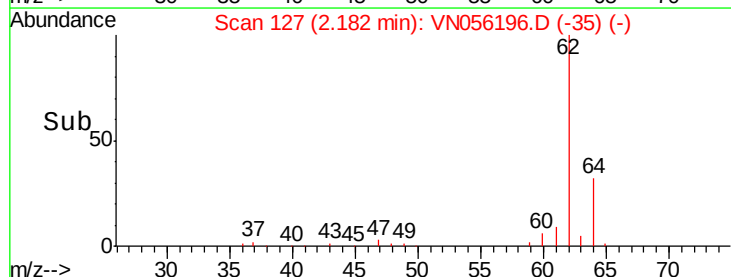
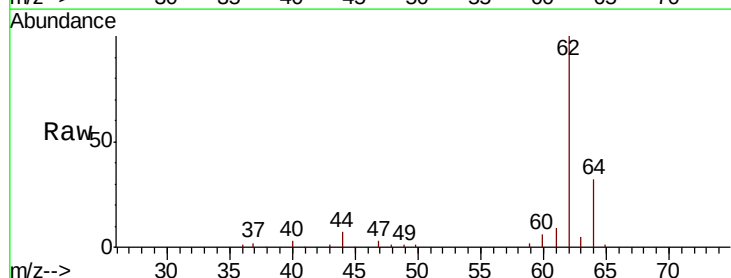
Instrument :
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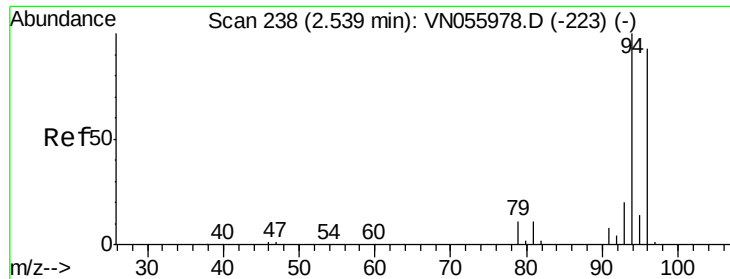
Tot Ion: 50 Resp: 63538
Ion Ratio Lower Upper
50 100
52 33.9 26.6 40.0



#4
Vinyl Chloride
Concen: 21.161 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 62 Resp: 63070
Ion Ratio Lower Upper
62 100
64 31.9 25.6 38.4

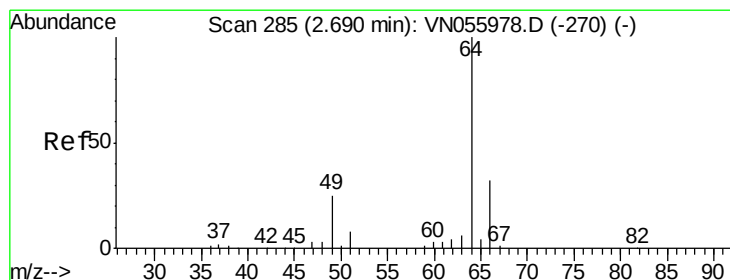
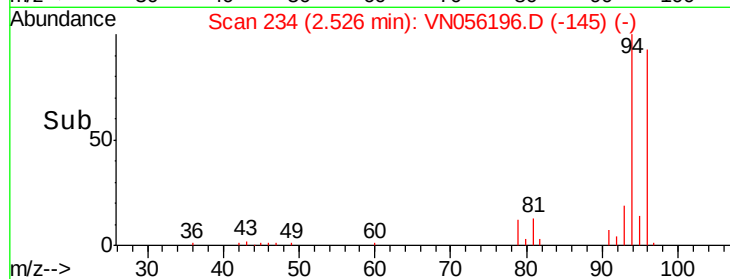
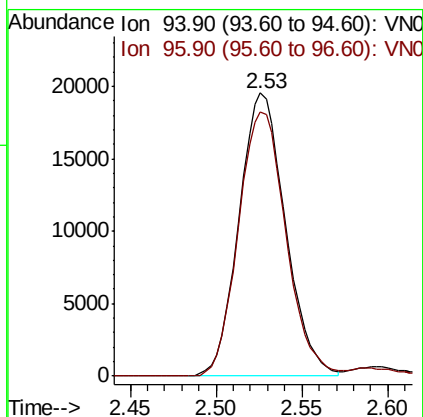
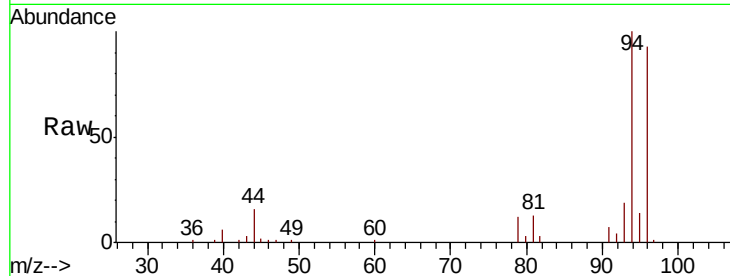




#5
Bromomethane
Concen: 19.464 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

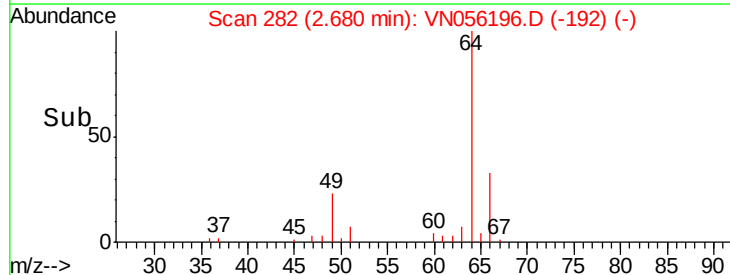
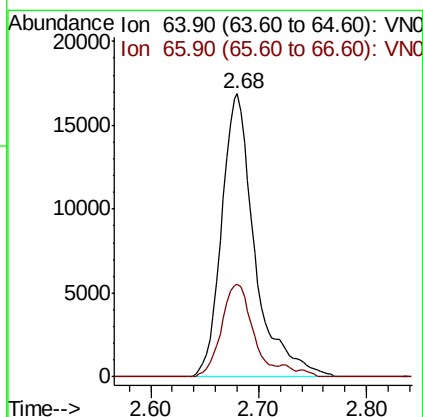
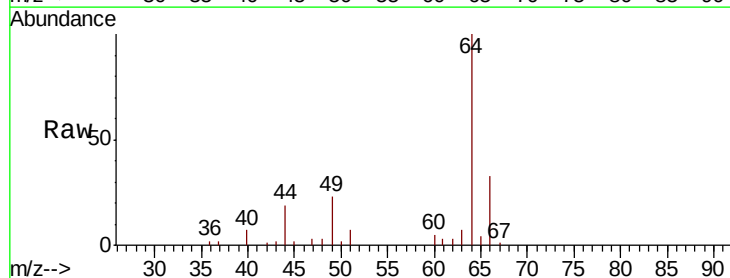
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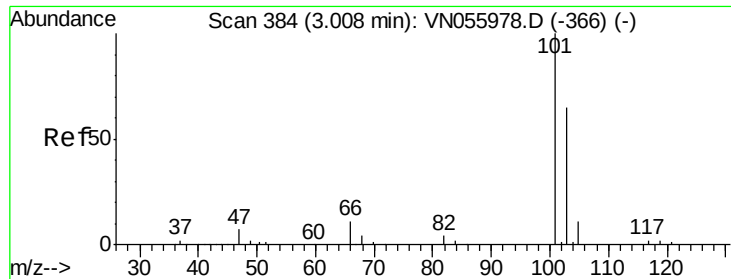
Tot Ion: 94 Resp: 36646
Ion Ratio Lower Upper
94 100
96 93.1 75.5 113.3



#6
Chloroethane
Concen: 20.941 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.01 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 64 Resp: 36187
Ion Ratio Lower Upper
64 100
66 32.9 25.4 38.0



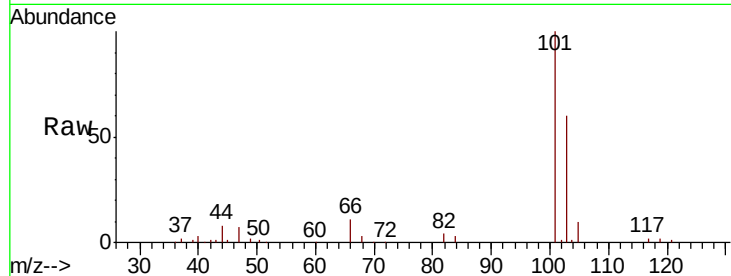


#7

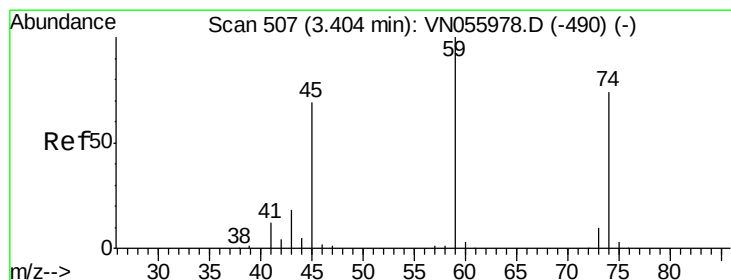
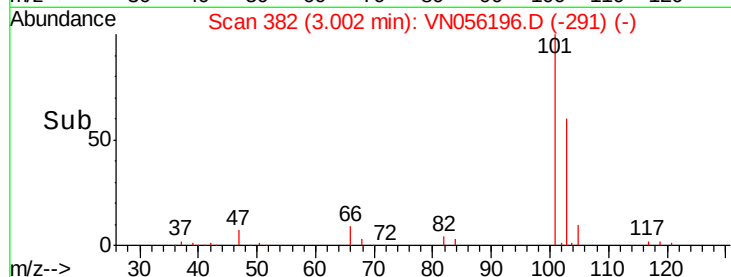
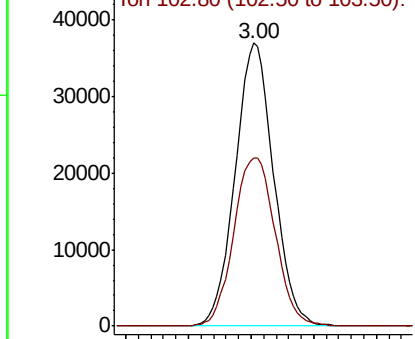
Trichlorofluoromethane
 Concen: 20.685 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion:101 Resp: 78706
 Ion Ratio Lower Upper
 101 100
 103 59.6 51.2 76.8



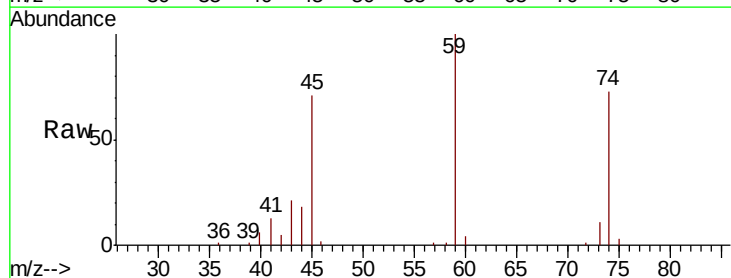
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



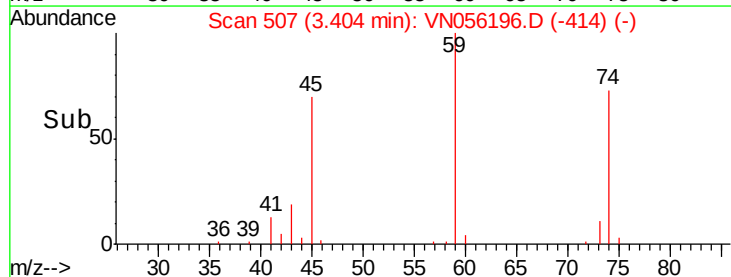
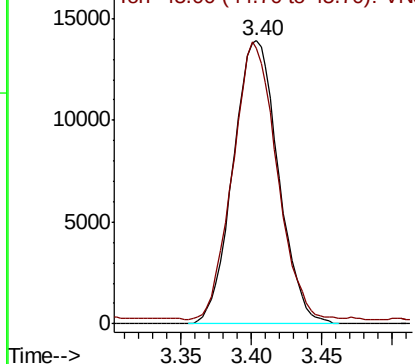
#8

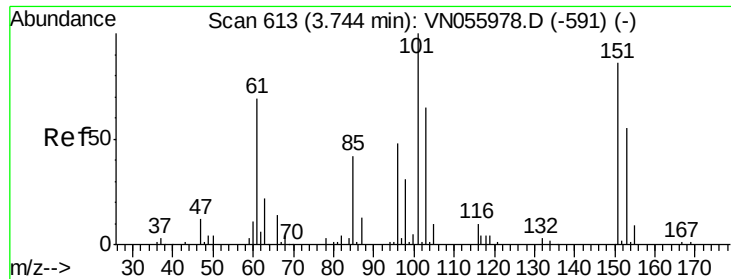
Diethyl Ether
 Concen: 19.948 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056196.D
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Tgt Ion: 74 Resp: 31213
 Ion Ratio Lower Upper
 74 100
 45 94.8 48.6 145.9



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

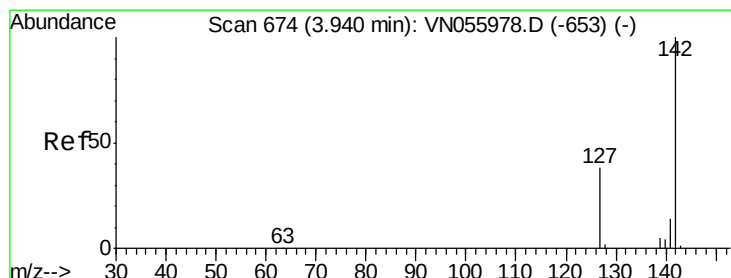
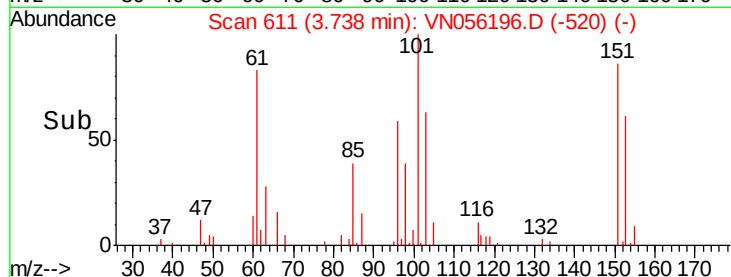
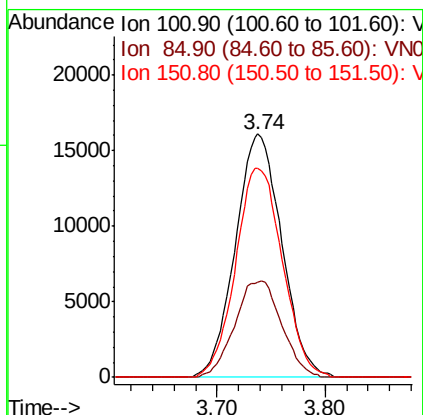
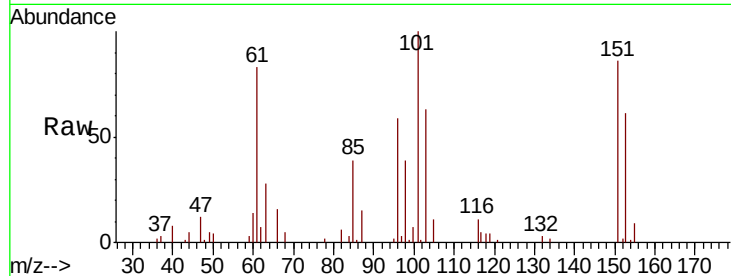




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.768 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

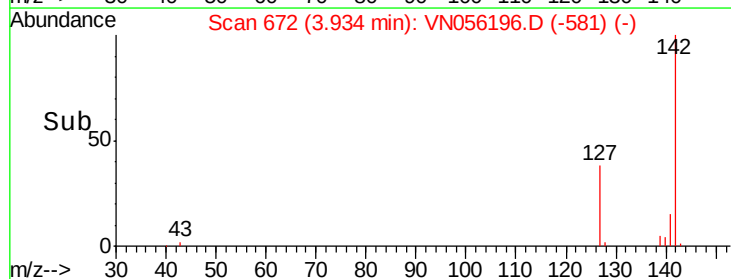
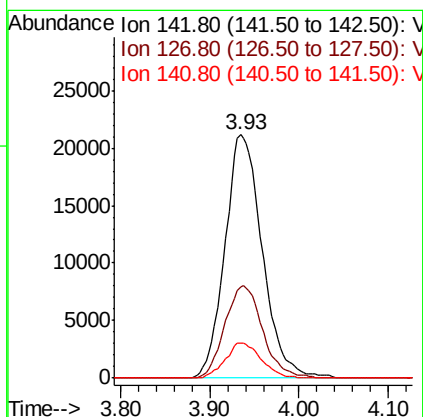
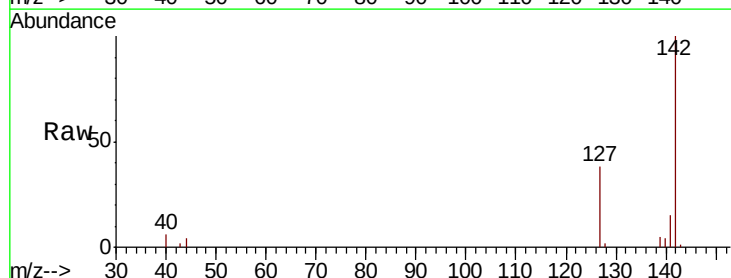
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

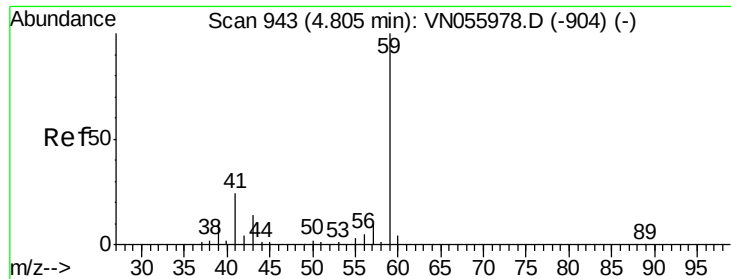
Tot Ion:101 Resp: 48001
 Ion Ratio Lower Upper
 101 100
 85 40.0 33.4 50.2
 151 87.0 69.4 104.2



#10
 Methyl Iodide
 Concen: 16.693 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion:142 Resp: 61315
 Ion Ratio Lower Upper
 142 100
 127 38.3 31.0 46.4
 141 13.9 11.4 17.0



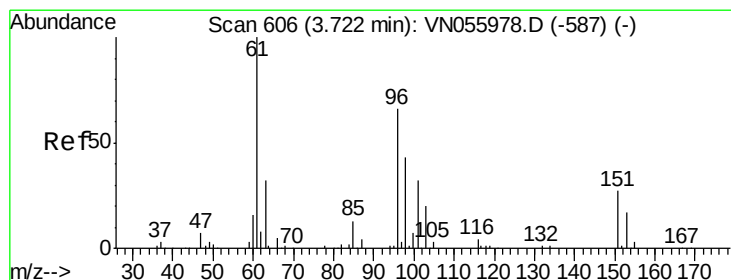
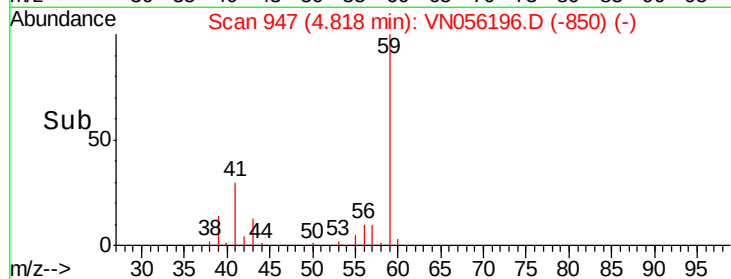
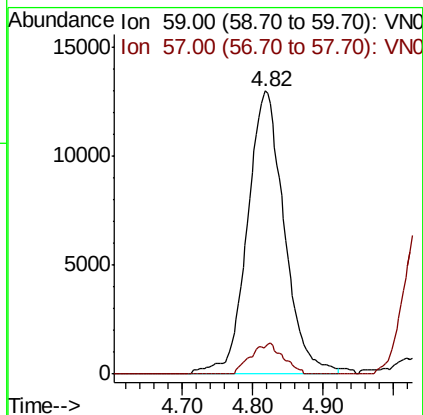
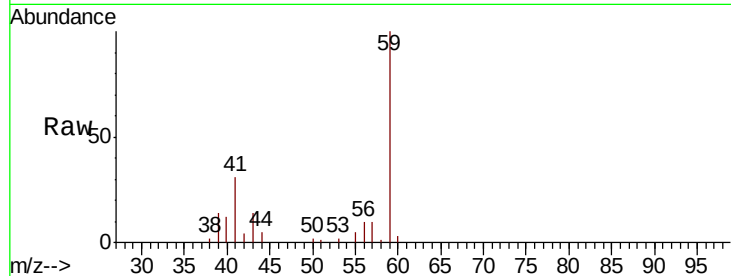


#11

Tert butyl alcohol
 Concen: 99.804 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

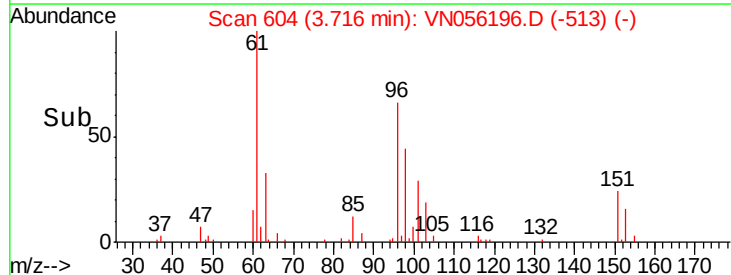
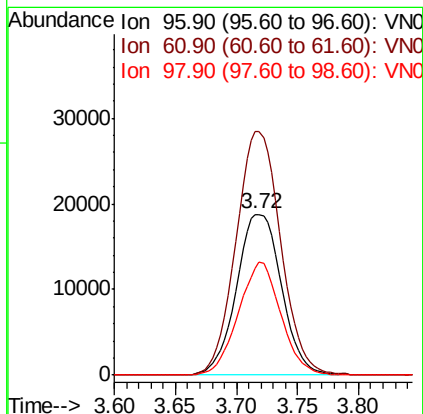
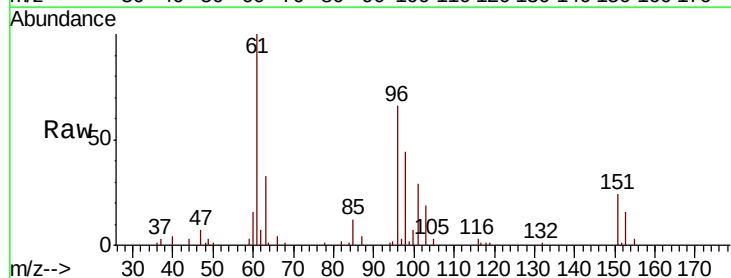
Tot Ion: 59 Resp: 47269
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.8 11.6

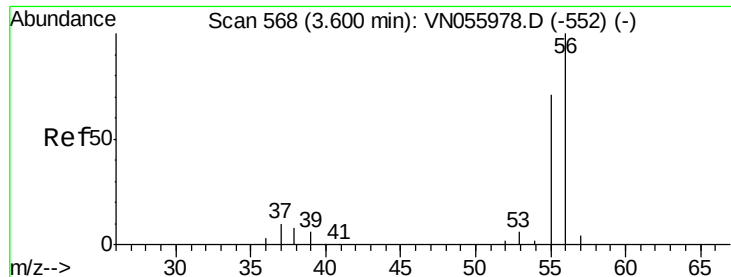


#12

1,1-Dichloroethene
 Concen: 20.836 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion: 96 Resp: 47944
 Ion Ratio Lower Upper
 96 100
 61 151.4 123.2 184.8
 98 66.1 50.4 75.6

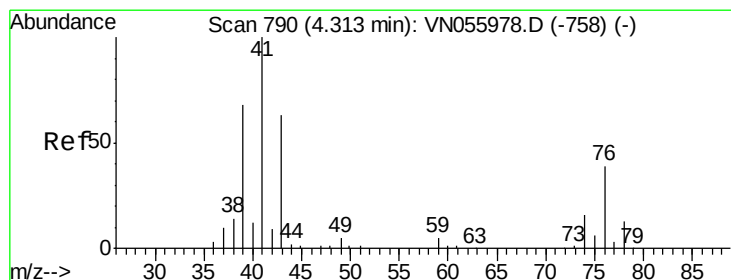
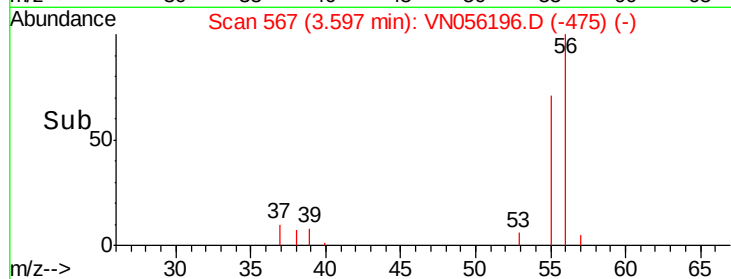
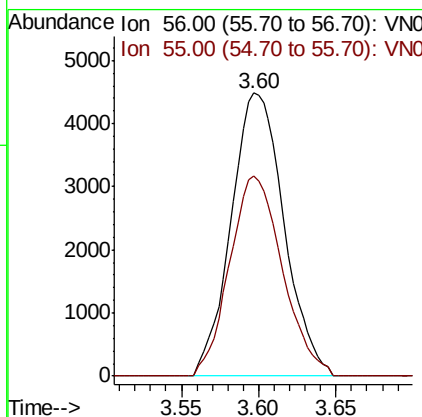
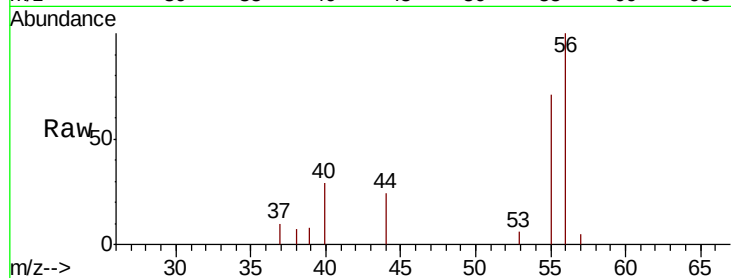




#13
Acrolein
Concen: 77.997 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

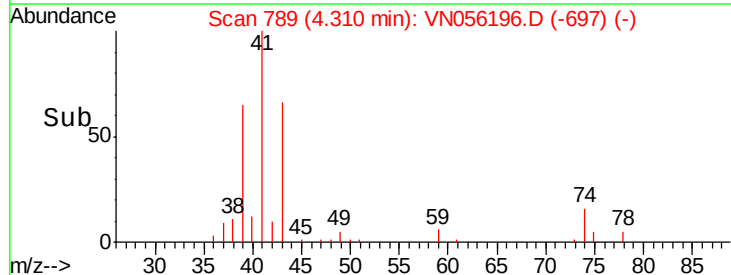
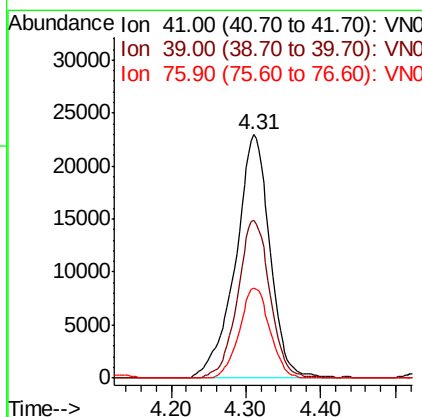
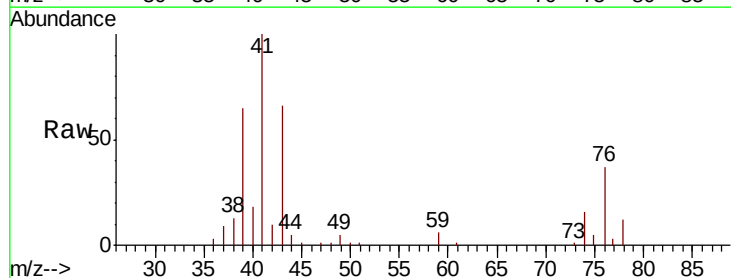
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

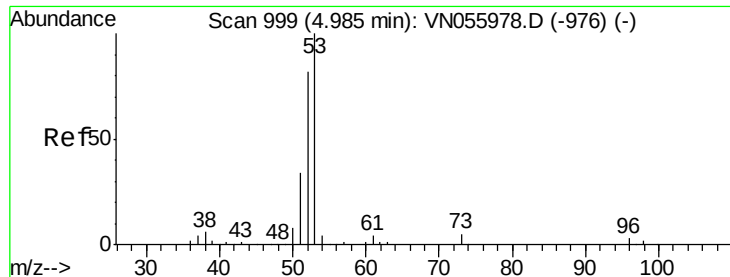
Tot Ion: 56 Resp: 10654
Ion Ratio Lower Upper
56 100
55 70.6 55.4 83.2



#14
Allyl chloride
Concen: 20.154 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 41 Resp: 73229
Ion Ratio Lower Upper
41 100
39 61.2 50.0 75.0
76 32.6 28.2 42.2





#15

Acrylonitrile

Concen: 121.127 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

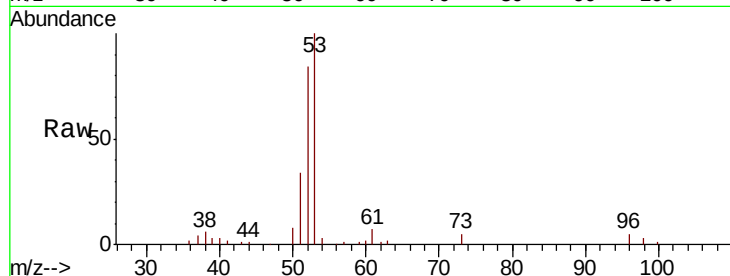
Tot Ion: 53 Resp: 139650

Ion Ratio Lower Upper

53 100

52 82.2 65.8 98.8

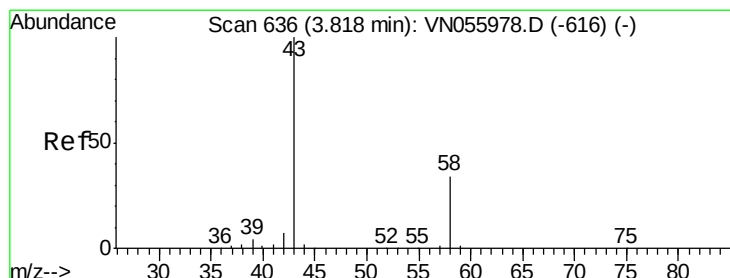
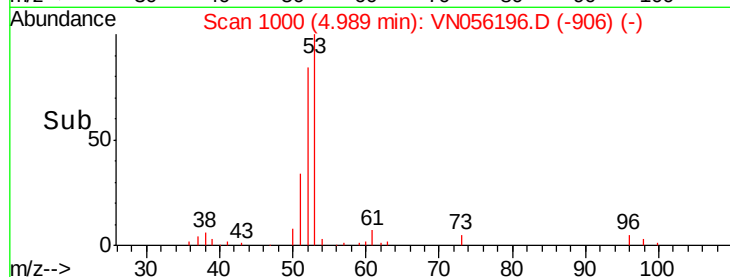
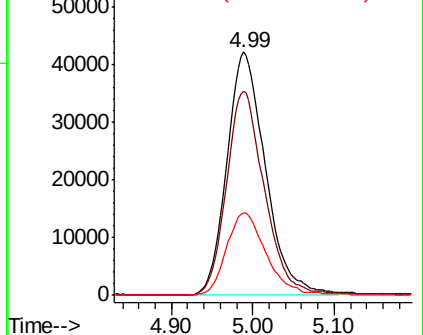
51 35.2 28.2 42.4



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: 87.965 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056196.D

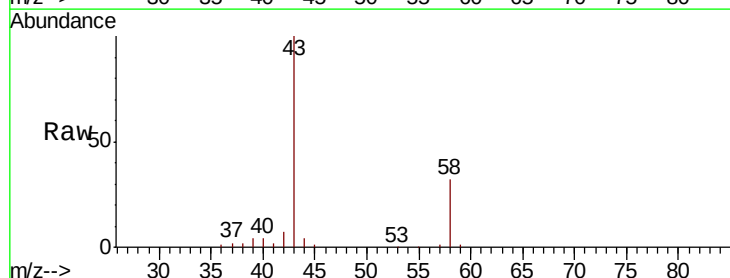
Acq: 11 Jun 2019 3:30

Tgt Ion: 43 Resp: 114500

Ion Ratio Lower Upper

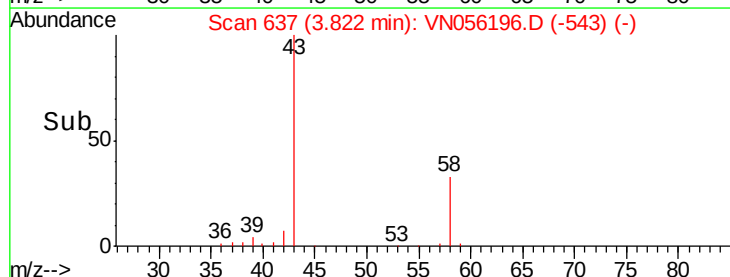
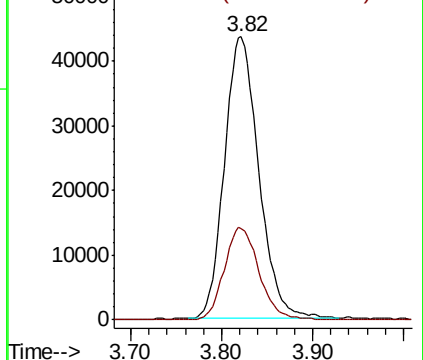
43 100

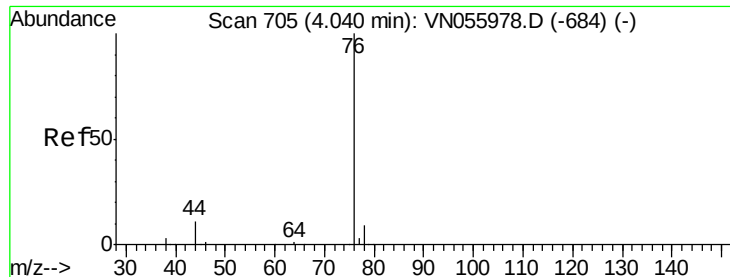
58 32.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

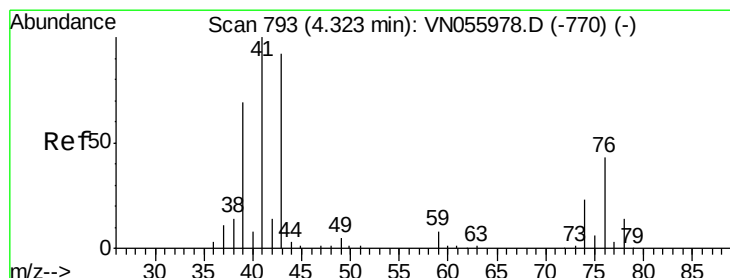
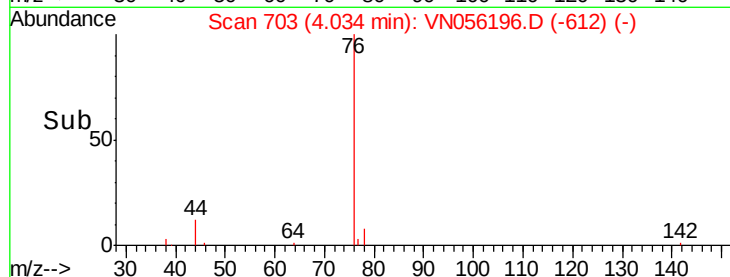
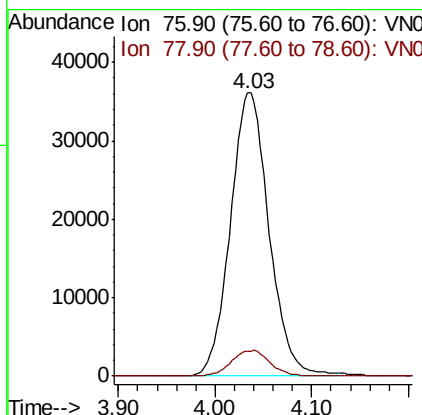
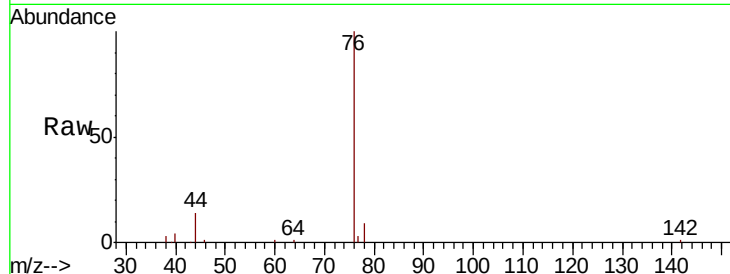




#17
Carbon Disulfide
Concen: 18.149 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

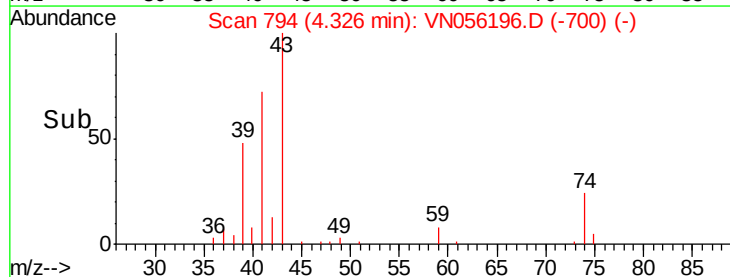
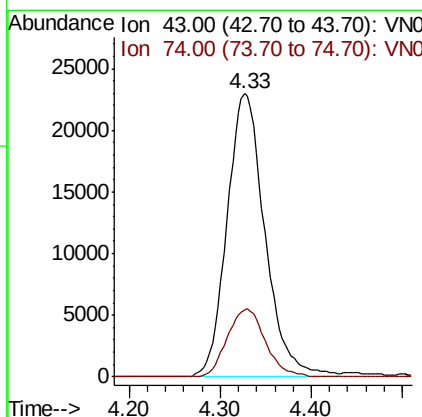
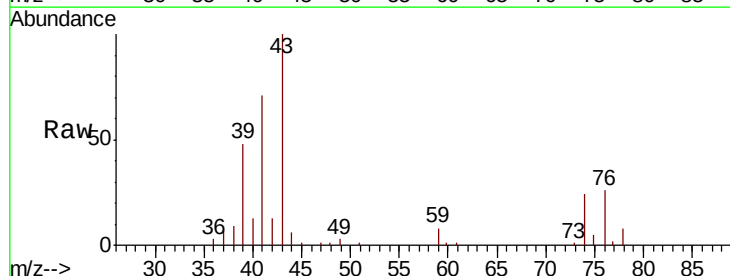
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

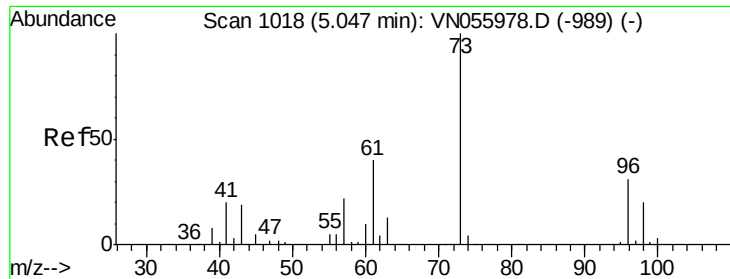
Tot Ion: 76 Resp: 99993
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 25.692 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 43 Resp: 66410
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9

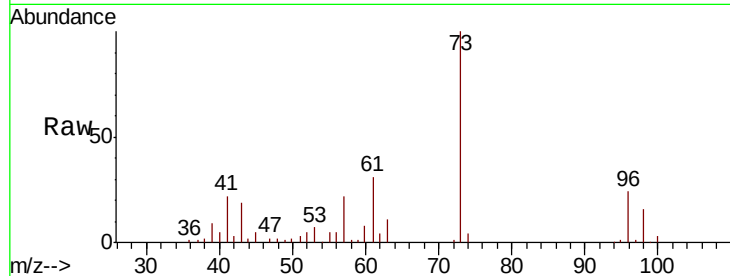




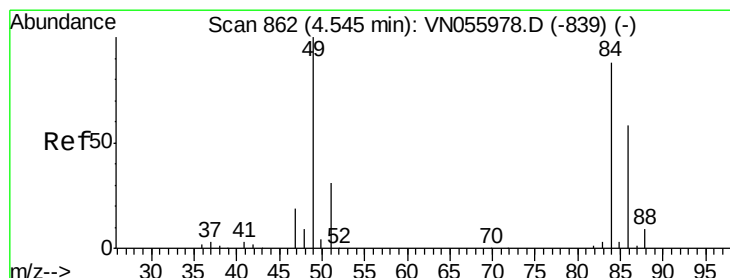
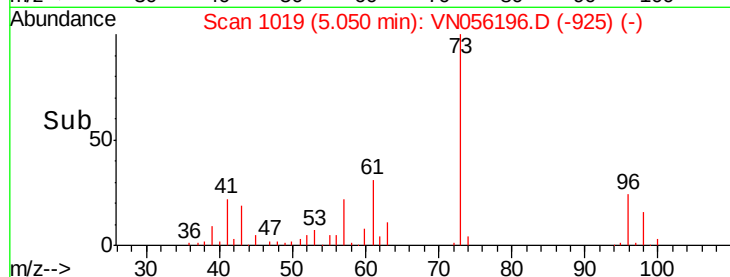
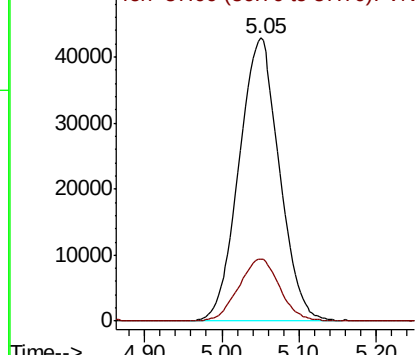
#19
Methyl tert-butyl Ether
Concen: 21.224 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion: 73 Resp: 155669
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8

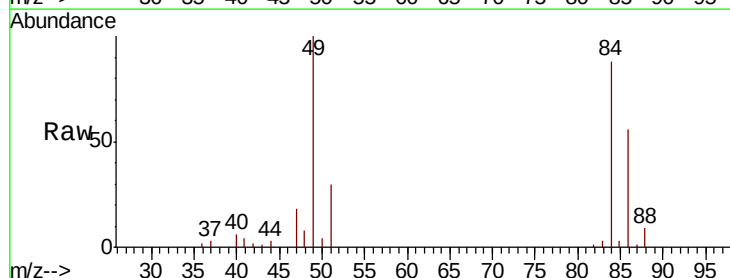


Abundance Ion 73.00 (72.70 to 73.70): VN055978.D (-989) (-)
Ion 57.00 (56.70 to 57.70): VN055978.D (-989) (-)

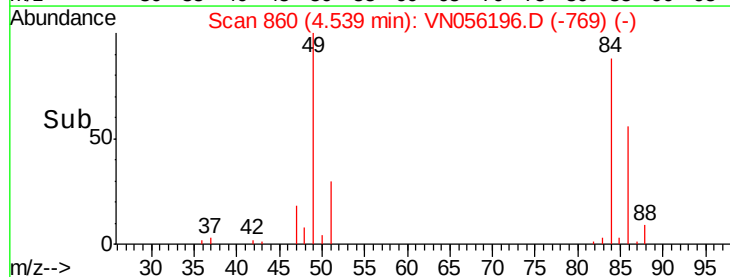
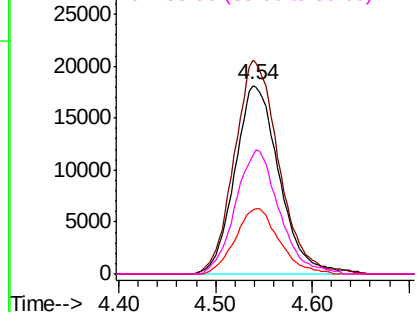


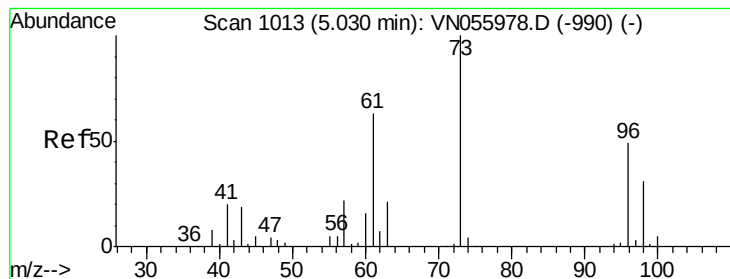
#20
Methylene Chloride
Concen: 21.461 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 84 Resp: 57553
Ion Ratio Lower Upper
84 100
49 113.5 93.5 140.3
51 34.3 28.6 43.0
86 63.1 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN055978.D (-839) (-)
Ion 48.90 (48.60 to 49.60): VN055978.D (-839) (-)
Ion 50.90 (50.60 to 51.60): VN055978.D (-839) (-)
Ion 85.90 (85.60 to 86.60): VN055978.D (-839) (-)





#21

trans-1,2-Dichloroethene

Concen: 20.402 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

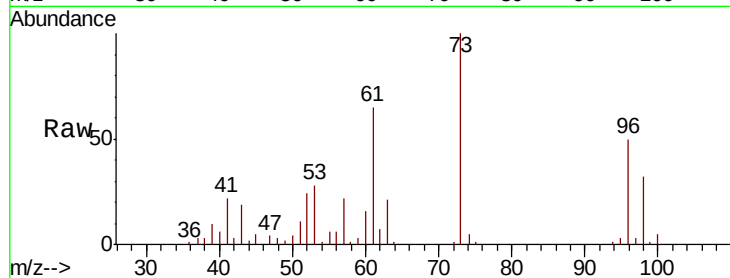
Tot Ion: 96 Resp: 50300

Ion Ratio Lower Upper

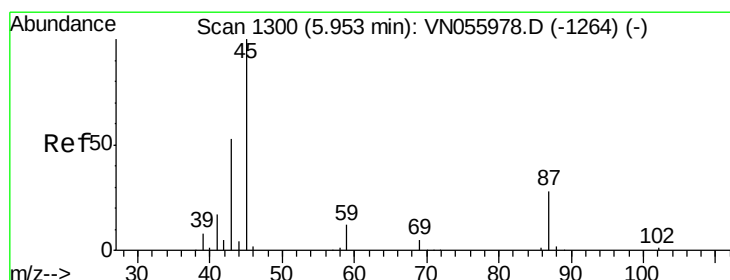
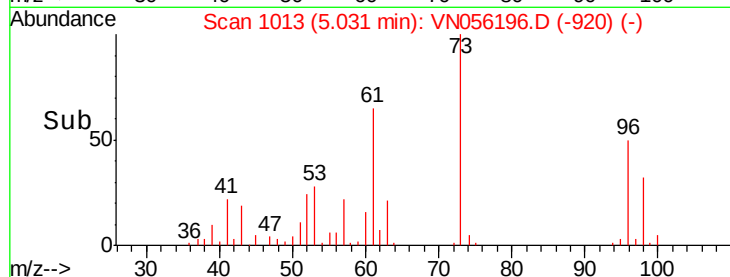
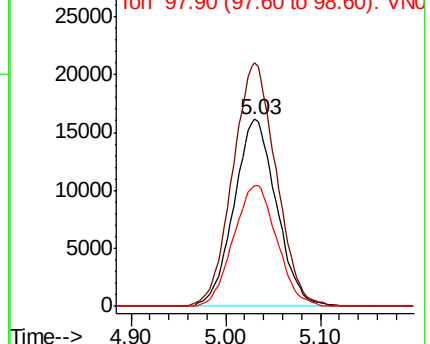
96 100

61 130.4 107.8 161.8

98 64.4 49.8 74.8



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



#22

Diisopropyl ether

Concen: 21.486 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Tgt Ion: 45 Resp: 161381

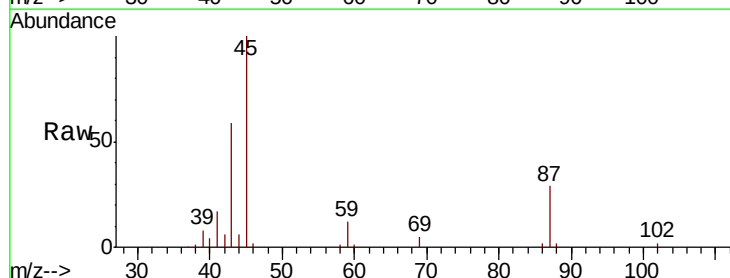
Ion Ratio Lower Upper

45 100

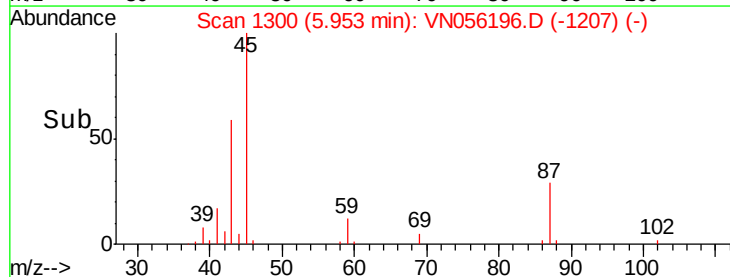
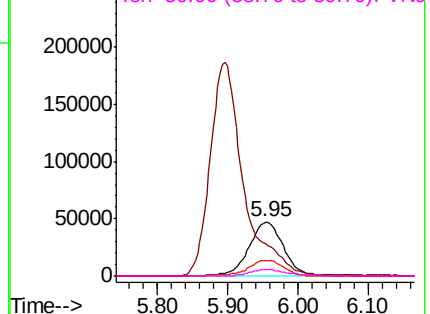
43 56.5 45.0 67.6

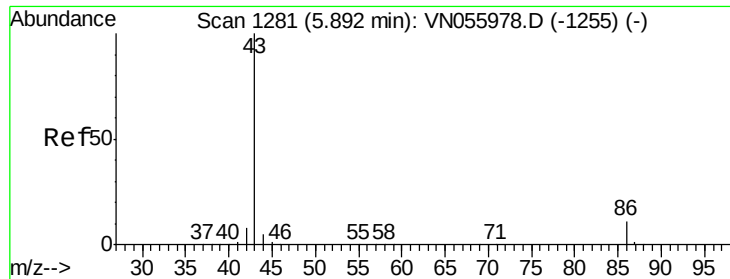
87 29.2 22.2 33.4

59 12.1 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

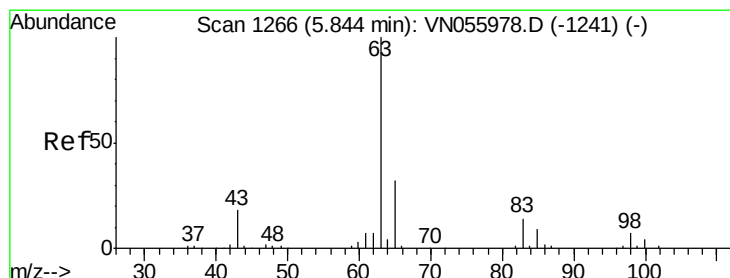
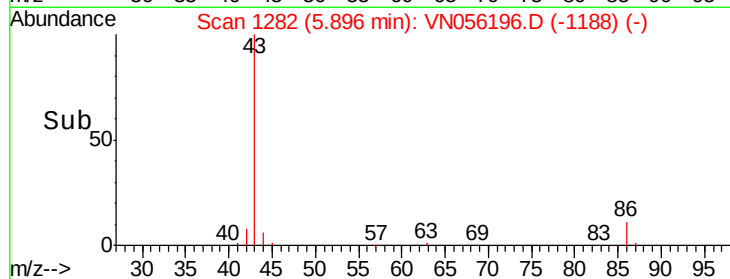
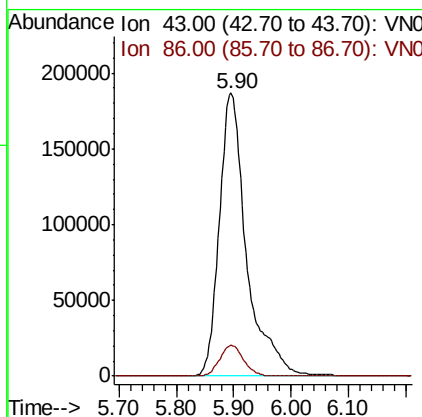
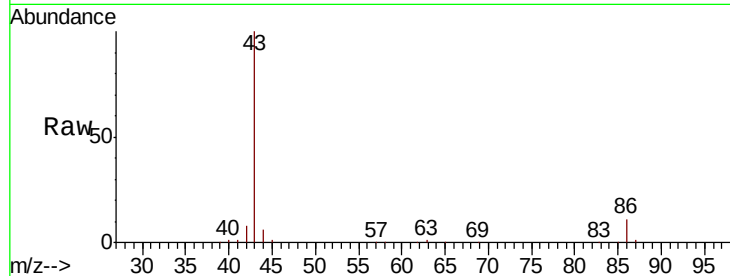




#23
 Vinyl Acetate
 Concen: 104.540 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

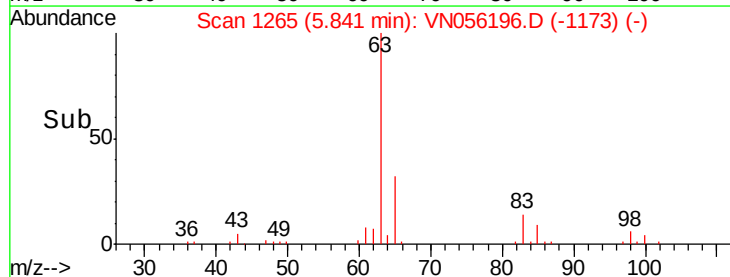
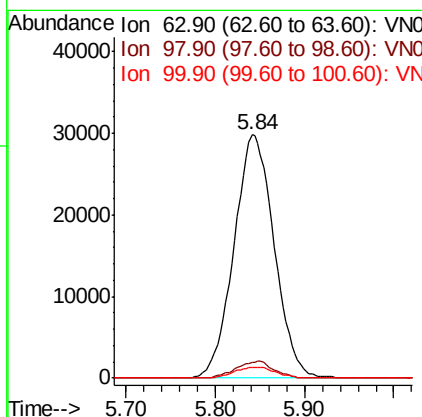
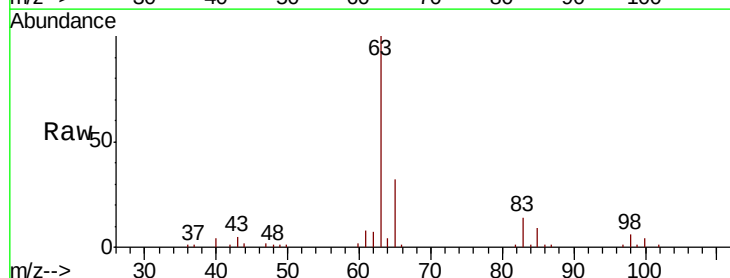
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

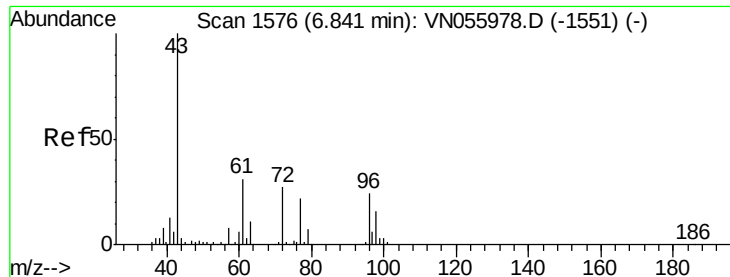
Tot Ion: 43 Resp: 618342
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 21.536 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion: 63 Resp: 93306
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.4 10.1
 100 4.5 2.2 6.6

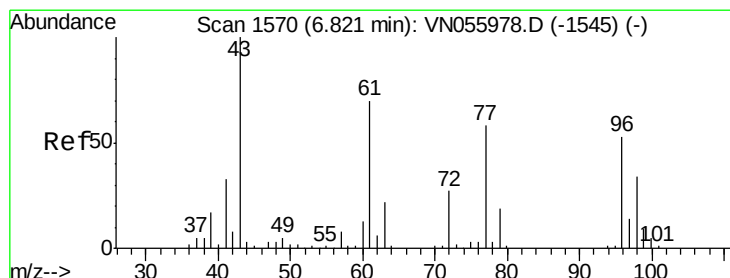
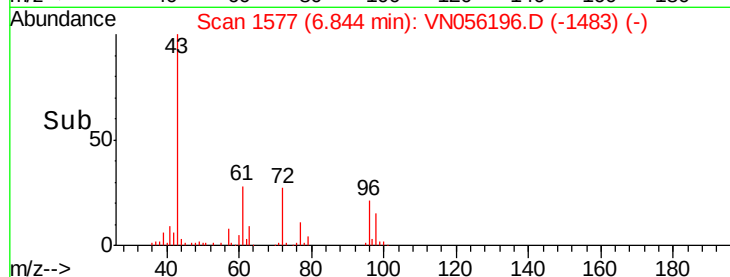
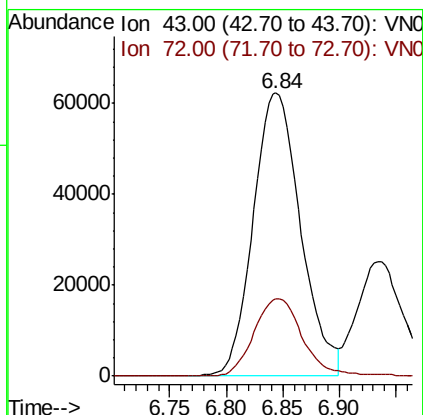
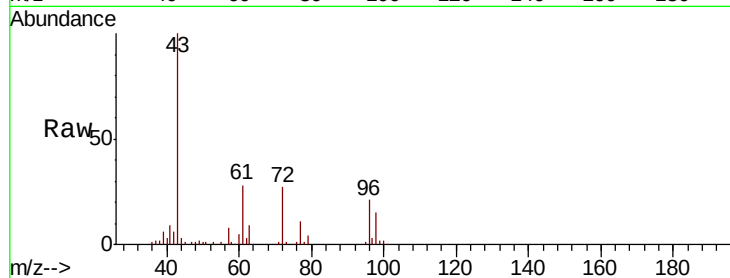




#25
2-Butanone
Concen: 110.332 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

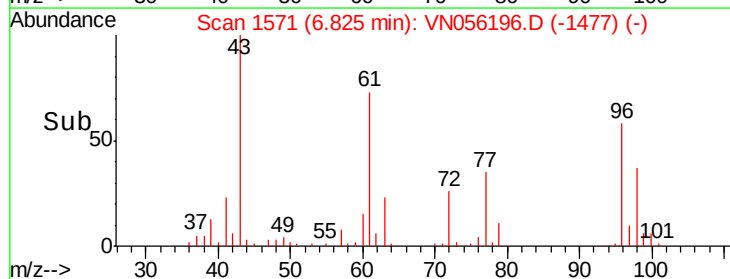
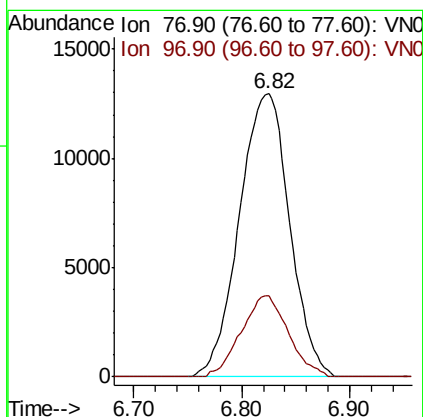
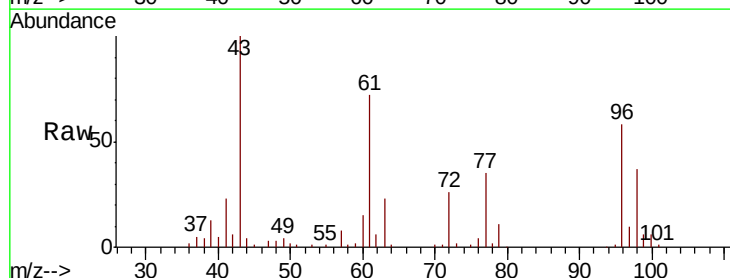
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

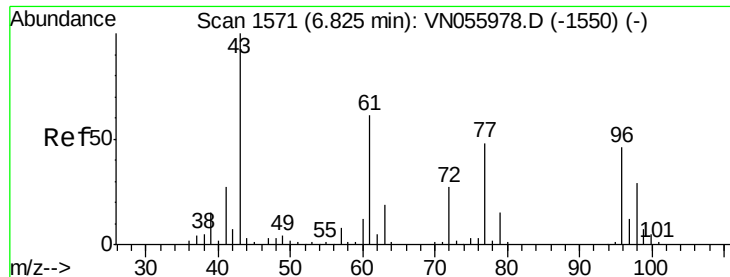
Tot Ion: 43 Resp: 181453
Ion Ratio Lower Upper
43 100
72 27.3 21.9 32.9



#26
2,2-Dichloropropane
Concen: 12.412 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 77 Resp: 41962
Ion Ratio Lower Upper
77 100
97 26.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.311 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

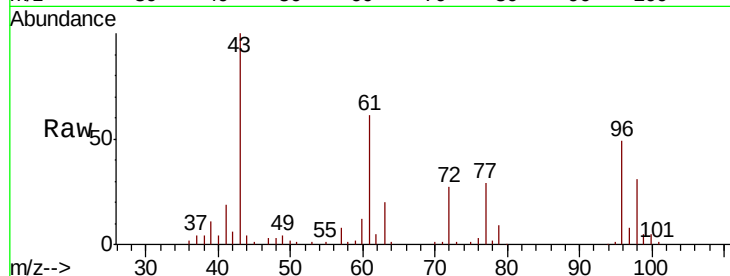
Tot Ion: 96 Resp: 61762

Ion Ratio Lower Upper

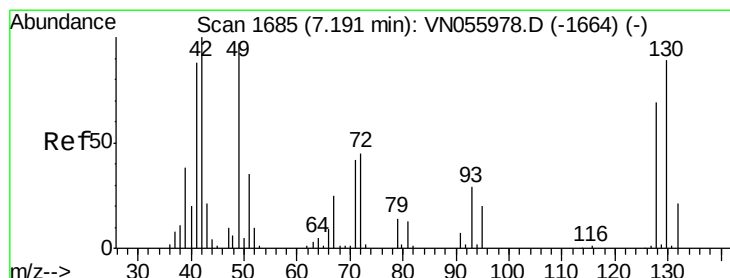
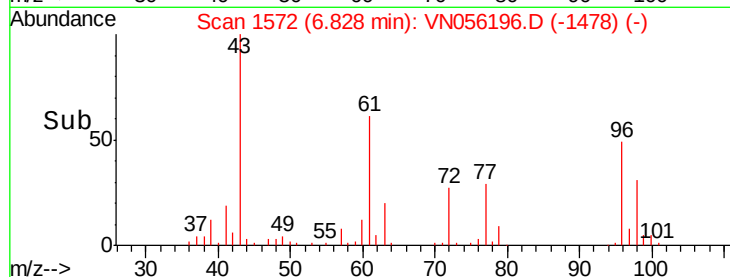
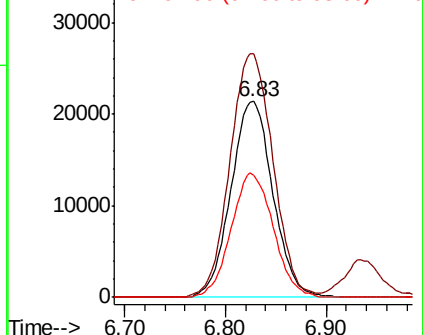
96 100

61 127.5 0.0 275.8

98 63.6 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: 22.254 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

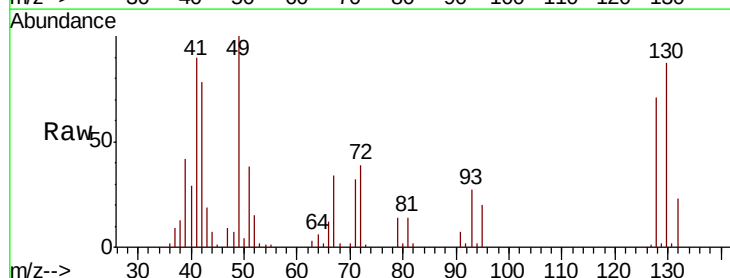
Tgt Ion: 49 Resp: 45596

Ion Ratio Lower Upper

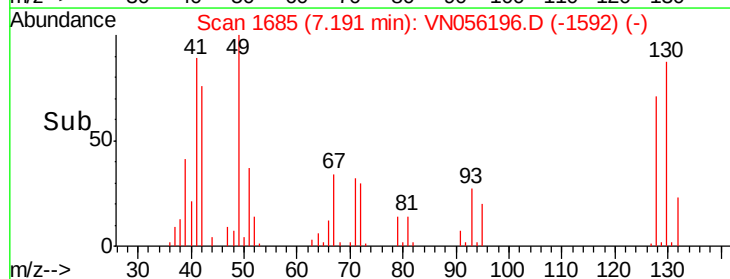
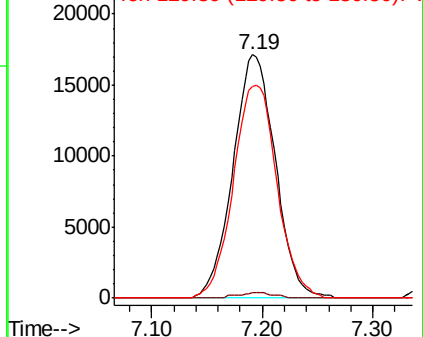
49 100

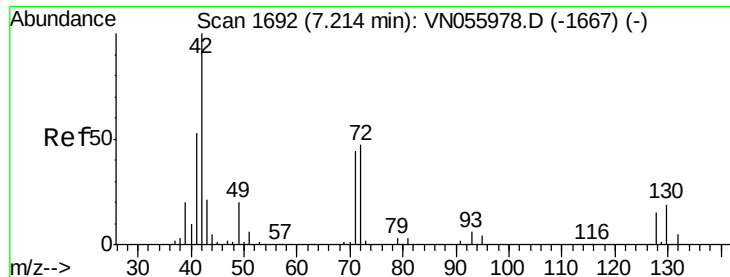
129 1.8 0.0 4.4

130 90.1 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: 117.704 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampled :

VN0610WBSD02

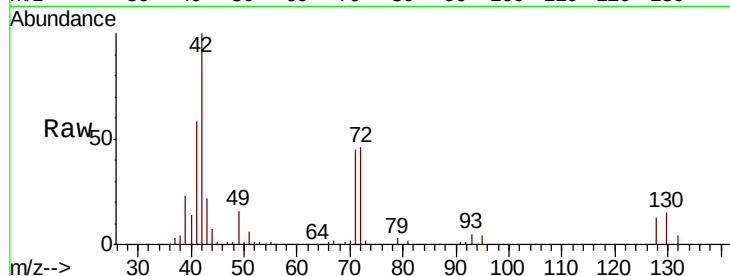
Tot Ion: 42 Resp: 119657

Ion Ratio Lower Upper

42 100

72 45.9 35.9 53.9

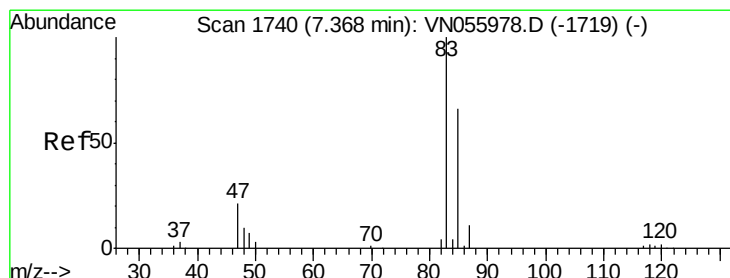
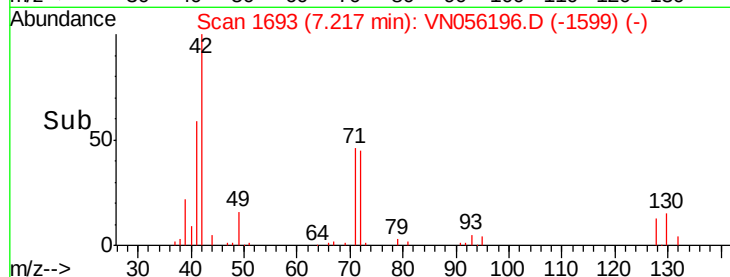
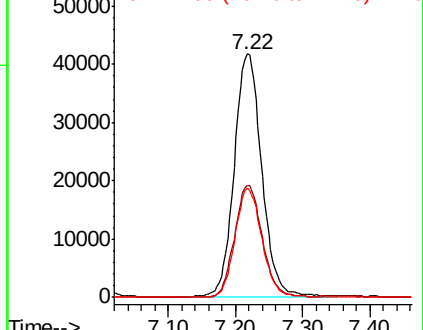
71 43.3 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.950 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056196.D

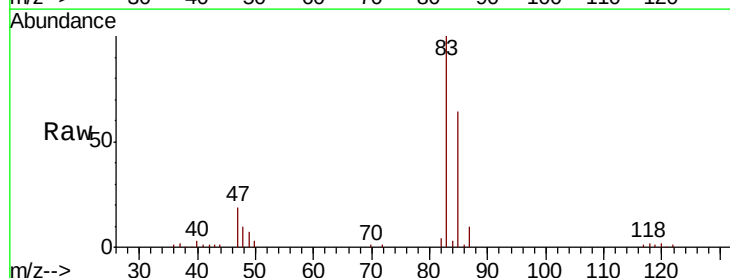
Acq: 11 Jun 2019 3:30

Tgt Ion: 83 Resp: 95666

Ion Ratio Lower Upper

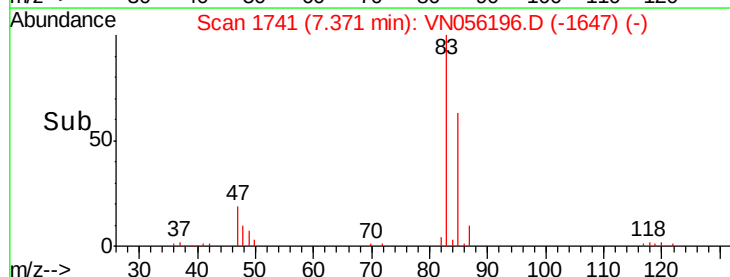
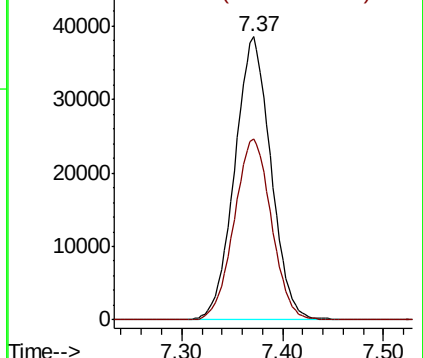
83 100

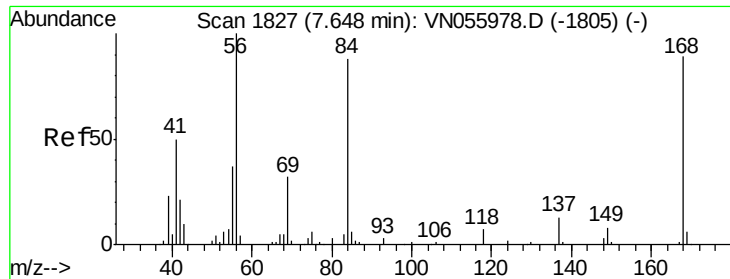
85 63.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

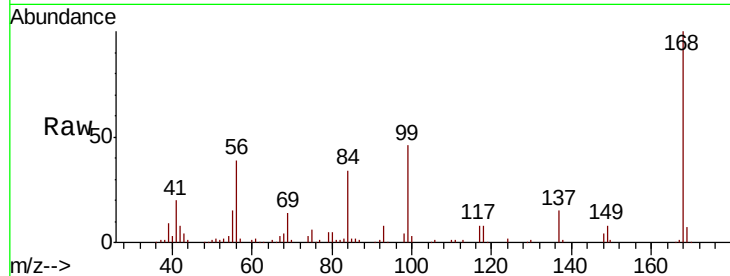




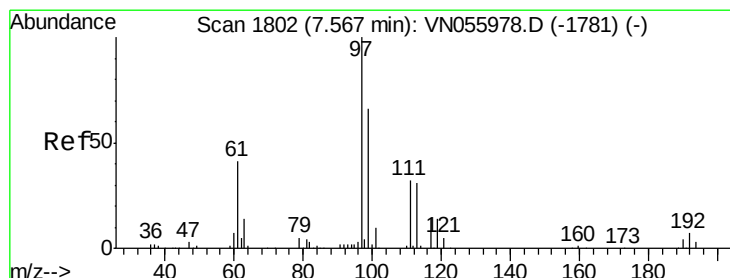
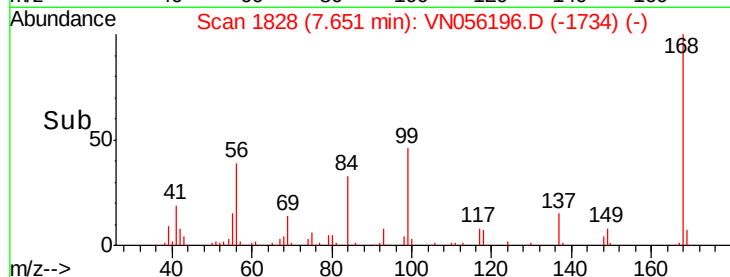
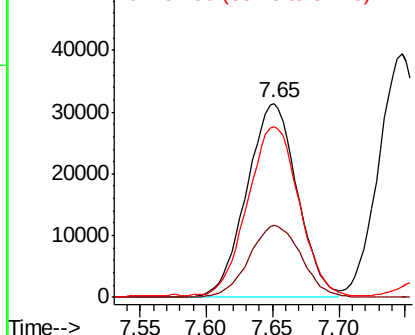
#31
Cyclohexane
Concen: 19.340 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion: 56 Resp: 83524
Ion Ratio Lower Upper
56 100
69 37.4 25.6 38.4
84 86.9 67.4 101.0

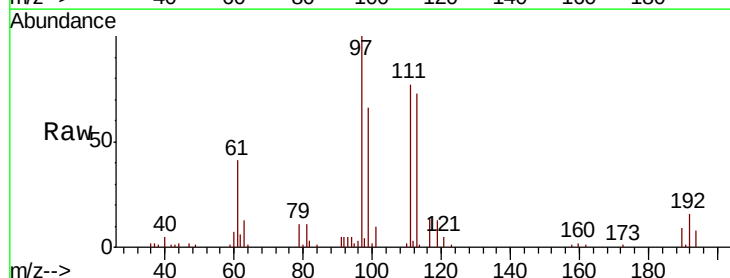


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

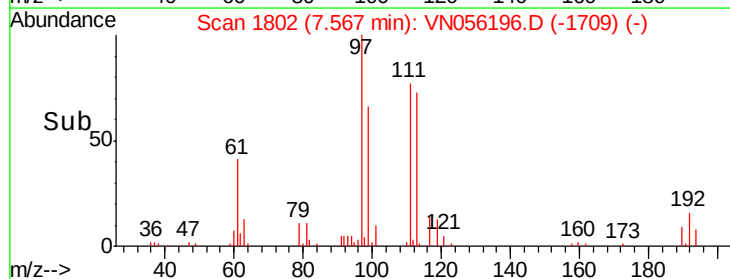
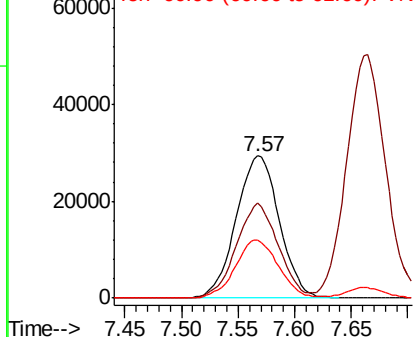


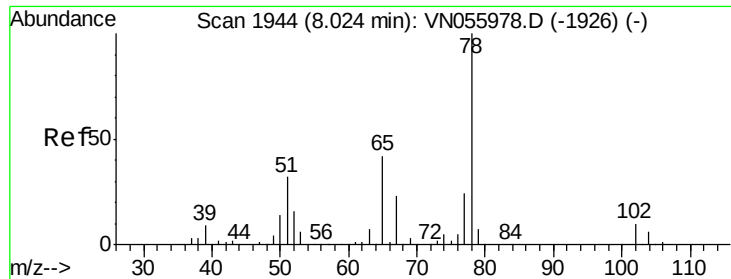
#32
1,1,1-Trichloroethane
Concen: 21.460 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 97 Resp: 78105
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 40.5 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

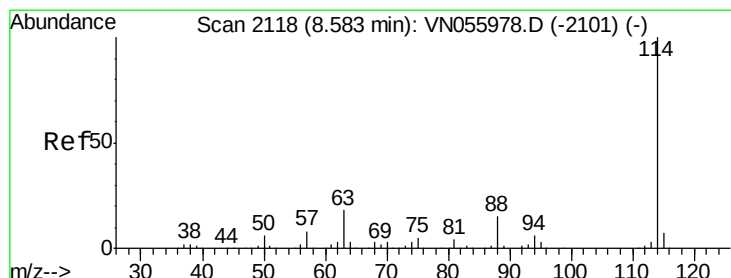
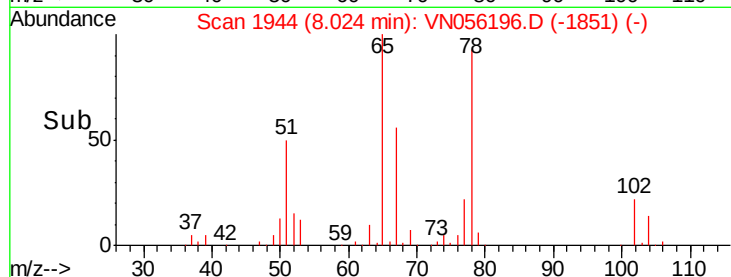
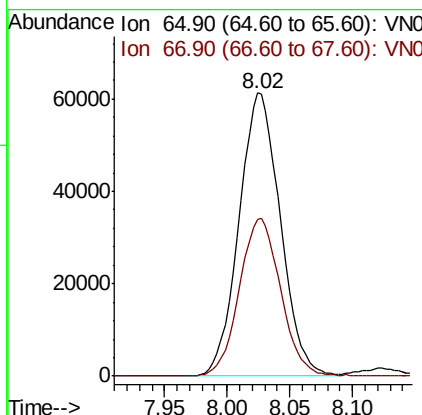
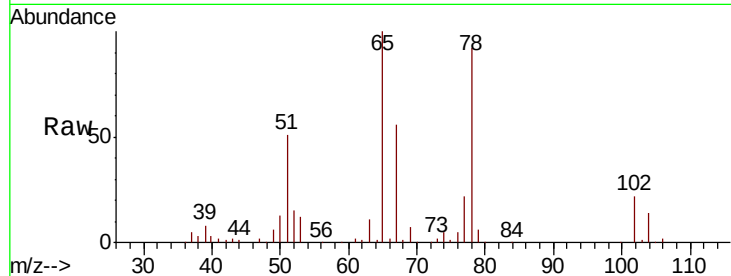




#33
 1,2-Dichloroethane-d4
 Concen: 51.658 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

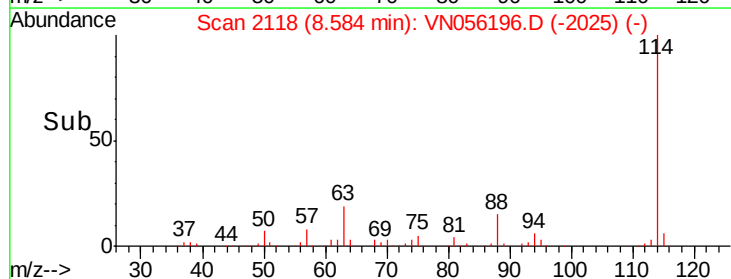
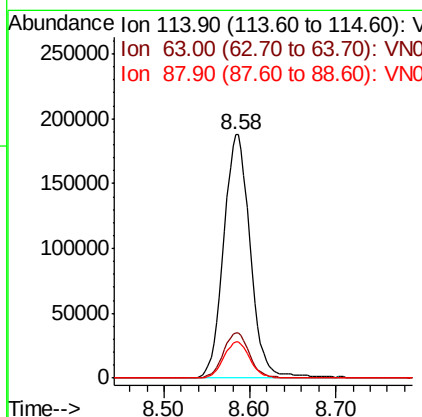
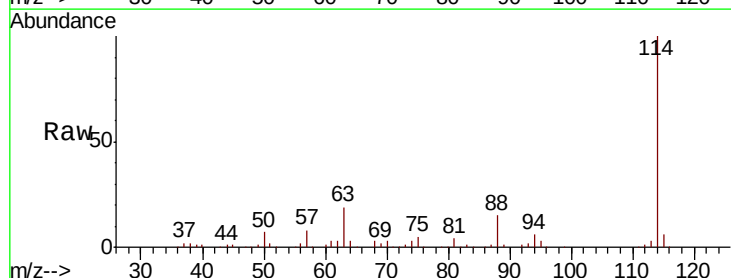
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

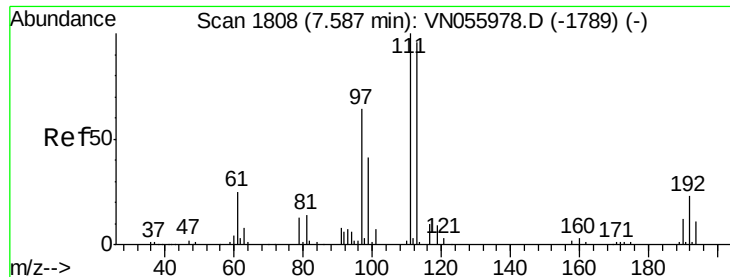
Tot Ion: 65 Resp: 140592
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion: 114 Resp: 404836
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 14.9 0.0 31.0

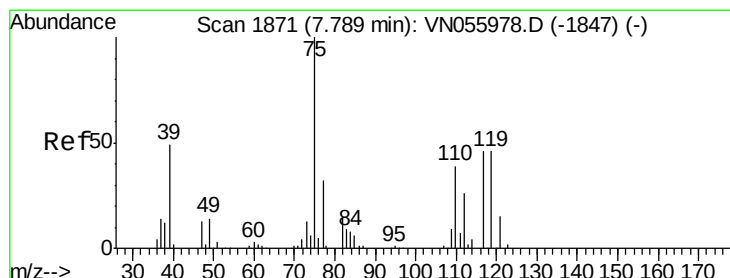
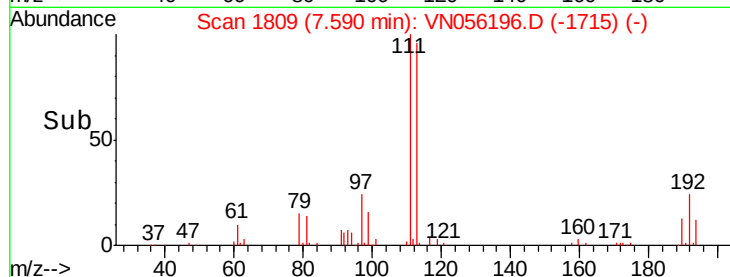
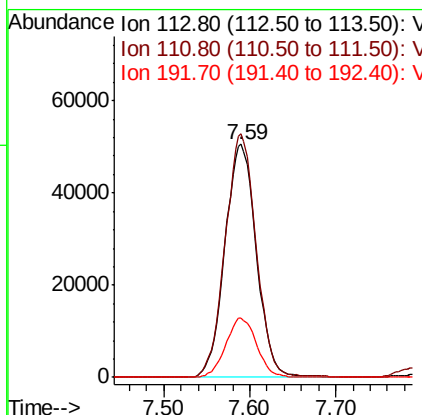
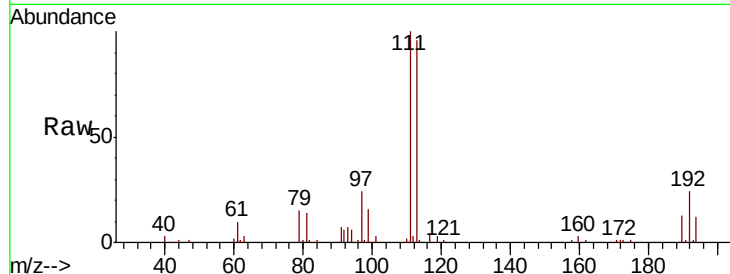




#35
 Dibromofluoromethane
 Concen: 51.653 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

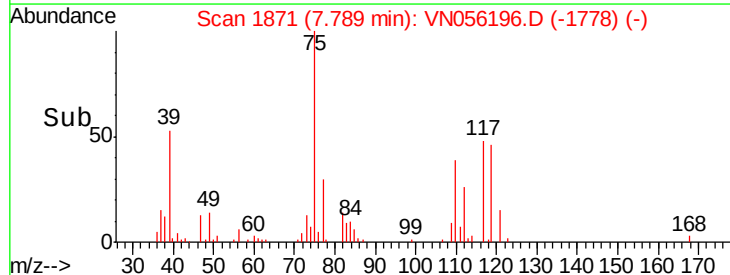
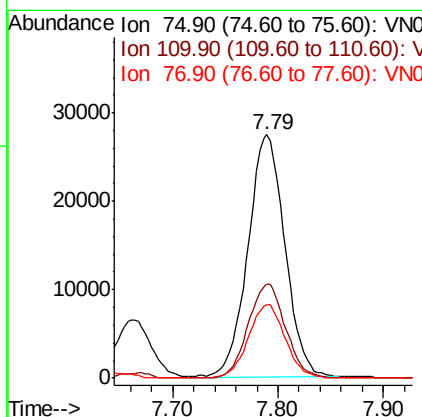
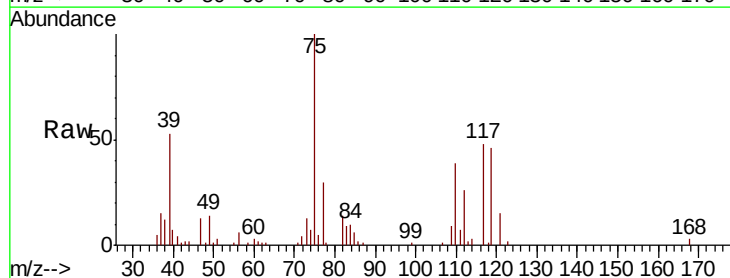
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

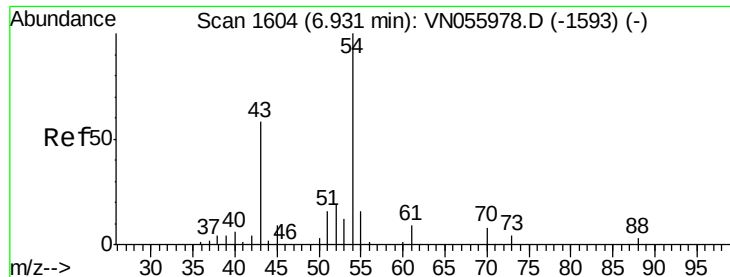
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	24.9	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 19.133 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.0	57.0
77	30.5	25.1	37.7

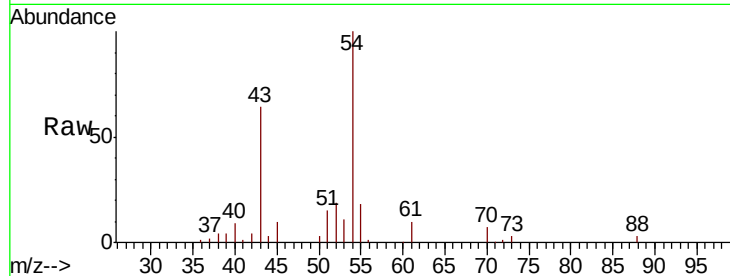




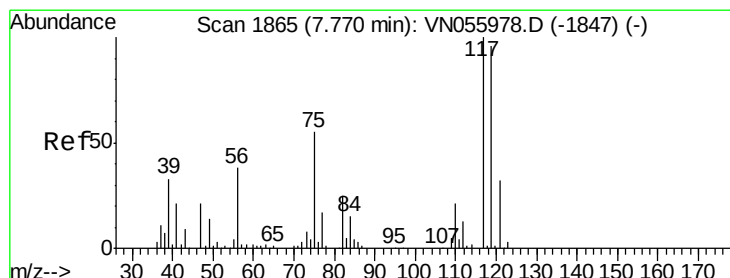
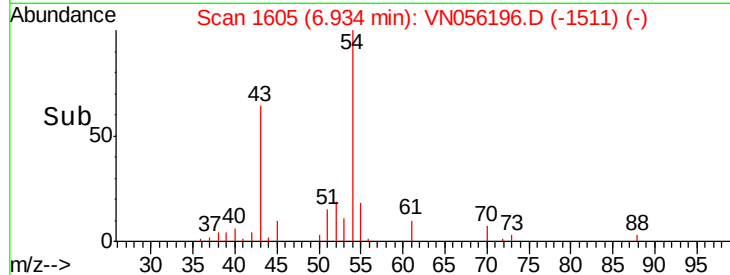
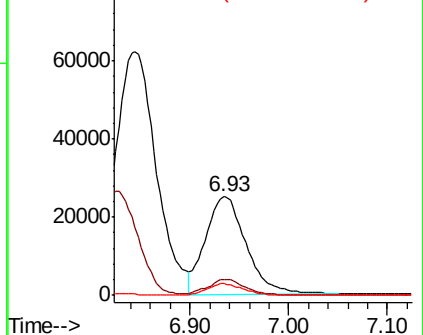
#37
Ethyl Acetate
Concen: 23.328 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion: 43 Resp: 72253
Ion Ratio Lower Upper
43 100
61 15.2 12.2 18.2
70 10.6 8.9 13.3

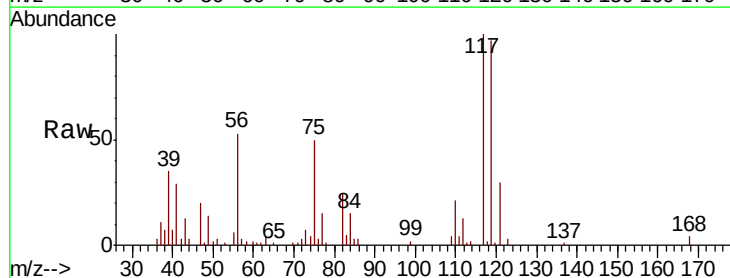


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

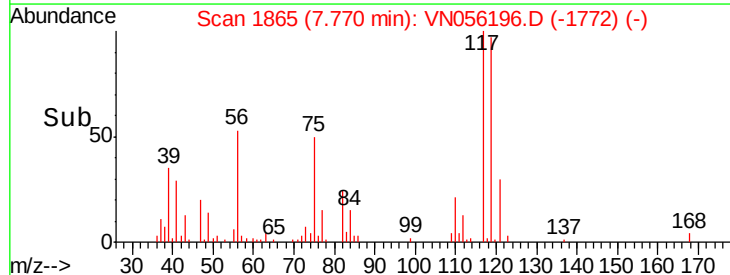
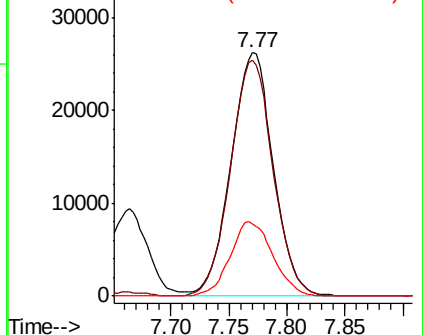


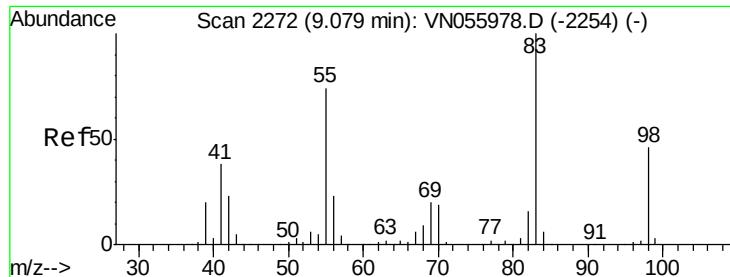
#38
Carbon Tetrachloride
Concen: 20.702 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 117 Resp: 66440
Ion Ratio Lower Upper
117 100
119 97.1 79.0 118.6
121 29.8 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

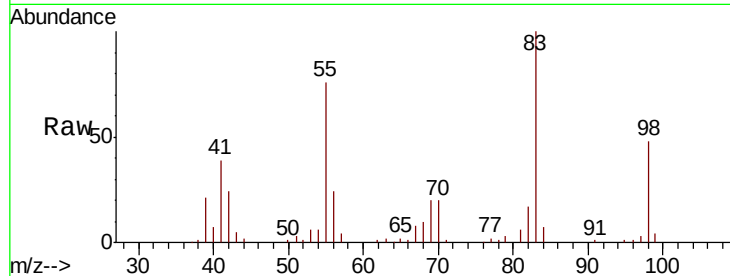




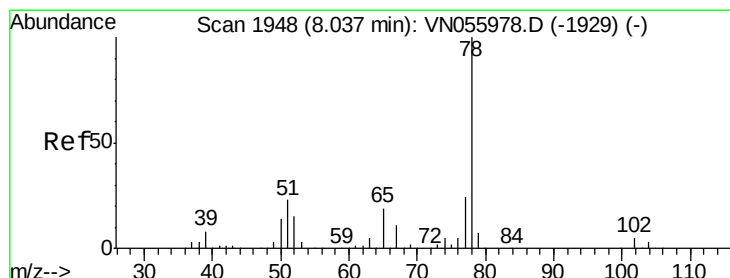
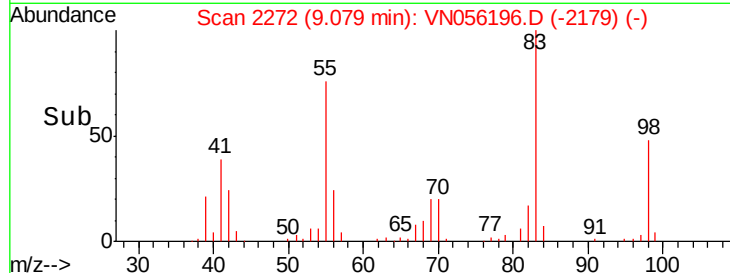
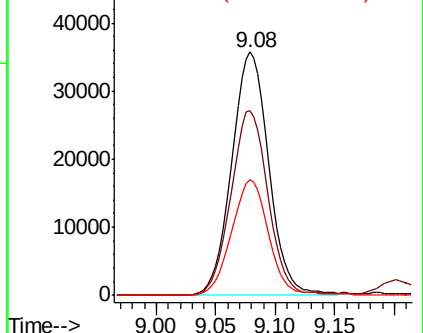
#39
Methylvlcyclohexane
Concen: 17.822 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

Tot Ion: 83 Resp: 77281
Ion Ratio Lower Upper
83 100
55 76.0 59.3 88.9
98 47.7 36.6 54.8

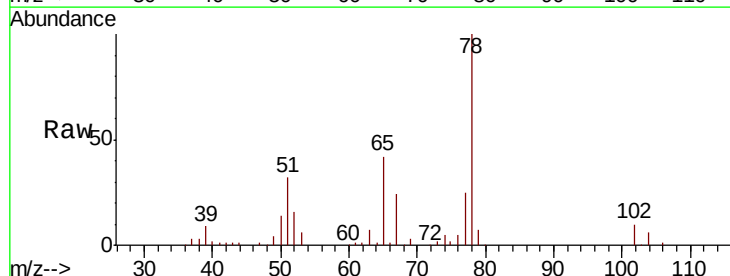


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

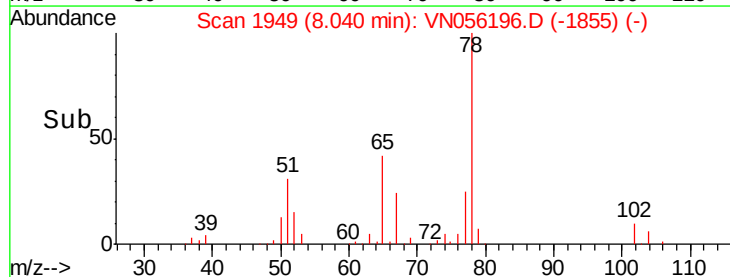
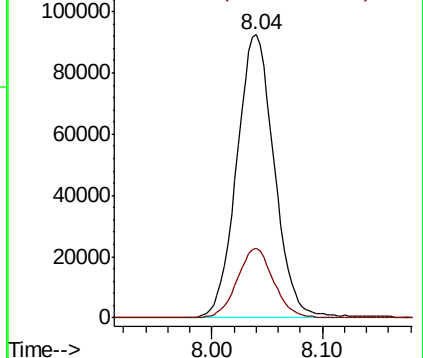


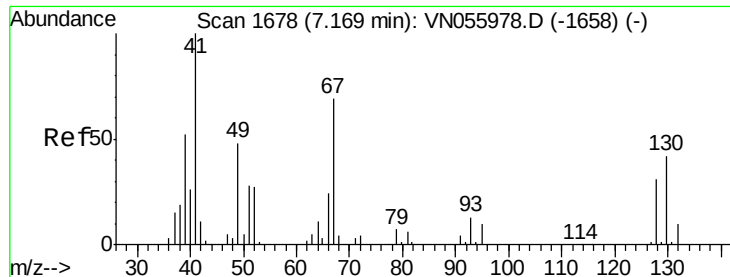
#40
Benzene
Concen: 20.596 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 78 Resp: 217750
Ion Ratio Lower Upper
78 100
77 24.7 18.8 28.2



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

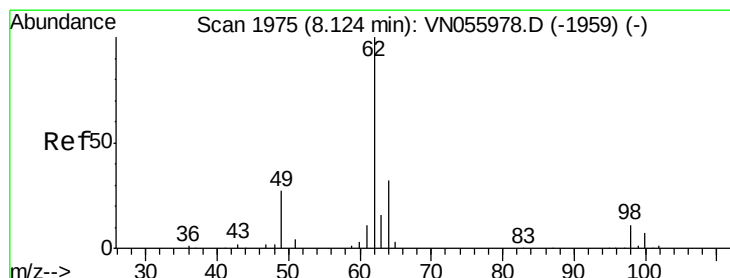
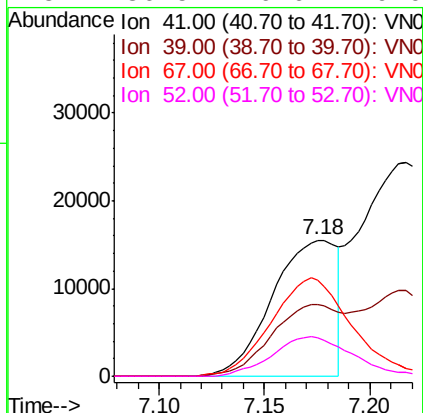
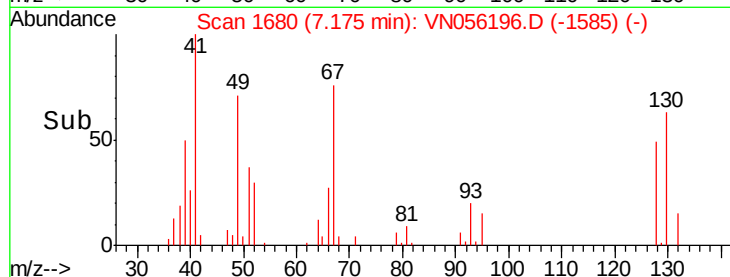
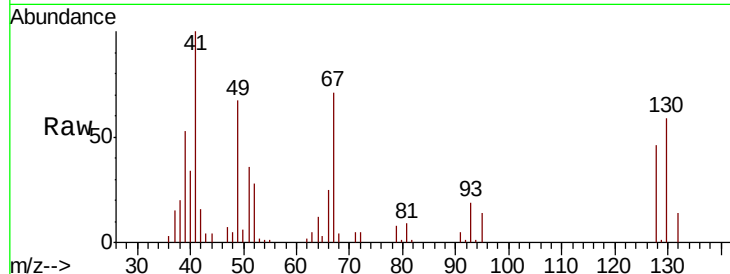




#41
Methacrylonitrile
Concen: 23.225 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

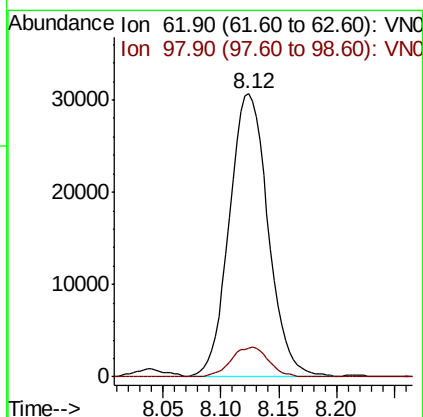
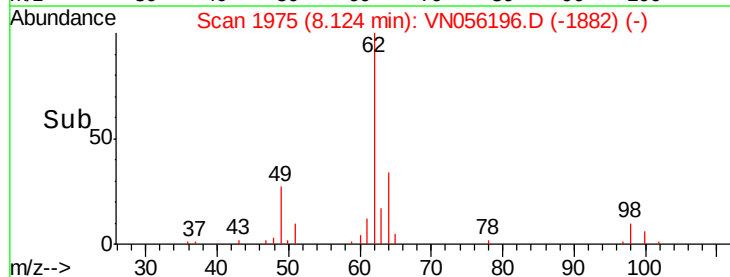
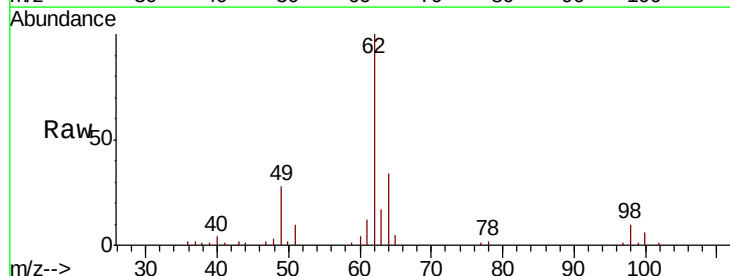
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

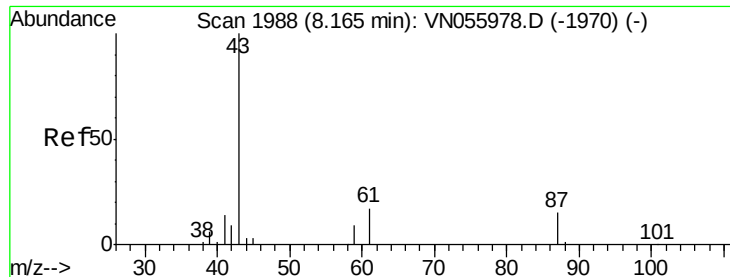
Tot Ion: 41 Resp: 33096
Ion Ratio Lower Upper
41 100
39 56.6 45.6 68.4
67 90.8 67.7 101.5
52 36.5 26.6 40.0



#42
1,2-Dichloroethane
Concen: 20.934 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 62 Resp: 71195
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.979 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

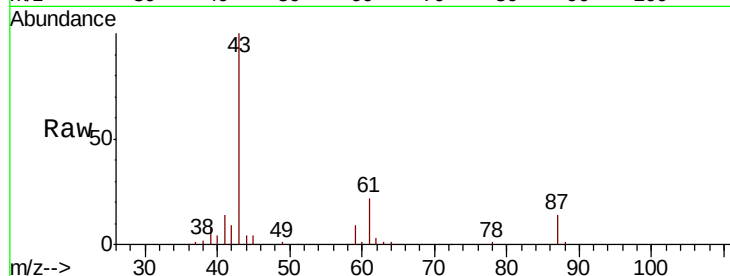
Tot Ion: 43 Resp: 105294

Ion Ratio Lower Upper

43 100

61 21.3 22.2 33.4#

87 13.9 11.4 17.2

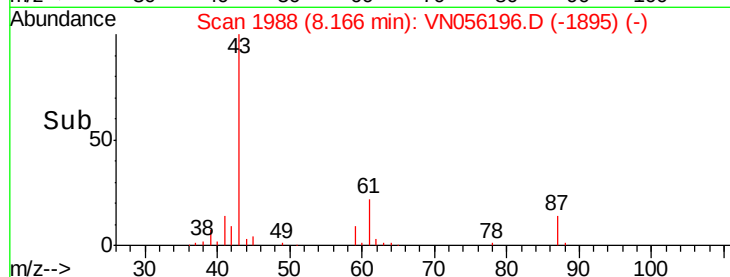


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

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

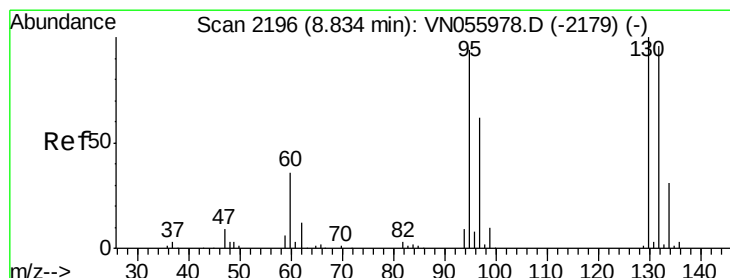
Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

8.17



8.17

Time-->



#44

Trichloroethene

Concen: 20.728 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056196.D

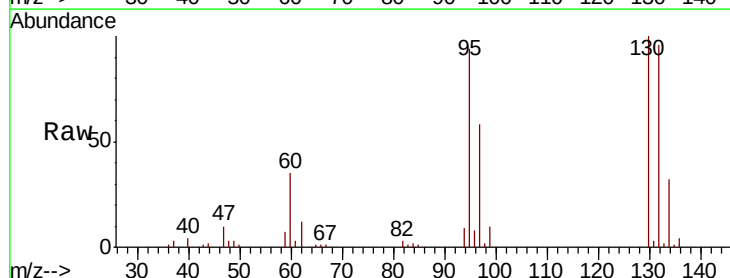
Acq: 11 Jun 2019 3:30

Tgt Ion:130 Resp: 62971

Ion Ratio Lower Upper

130 100

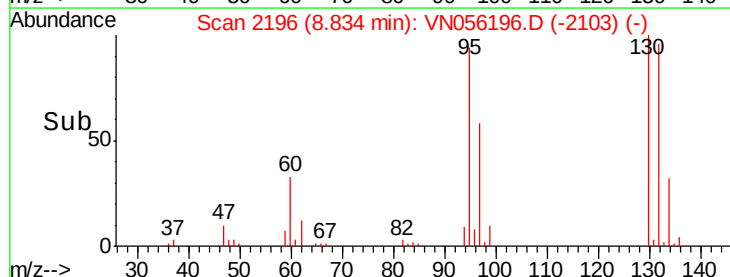
95 93.6 0.0 188.0



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

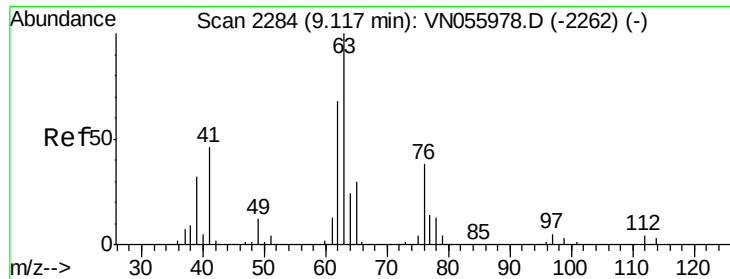
Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83



8.83

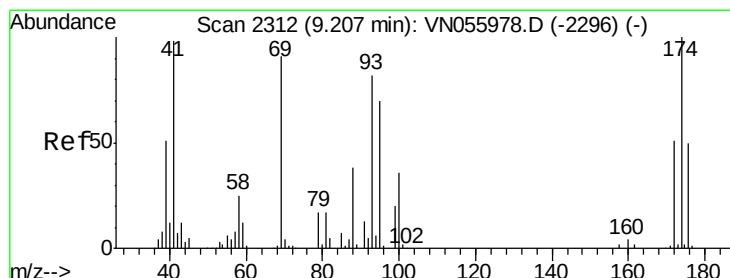
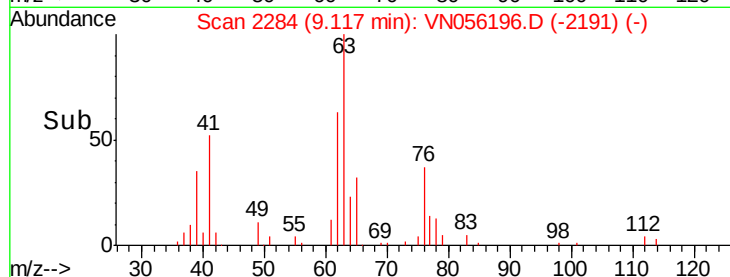
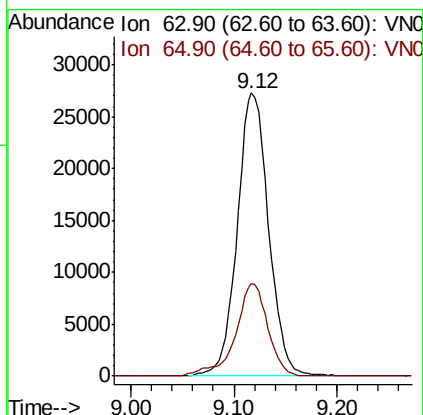
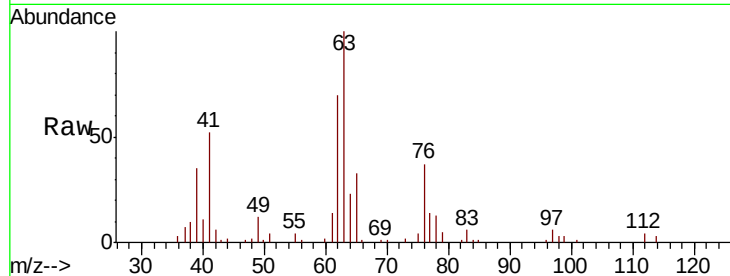
Time-->



#45
 1,2-Dichloropropane
 Concen: 21.325 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

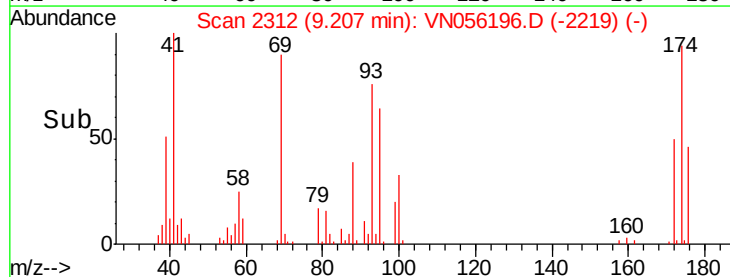
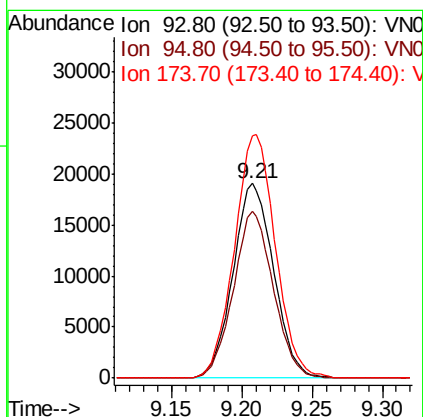
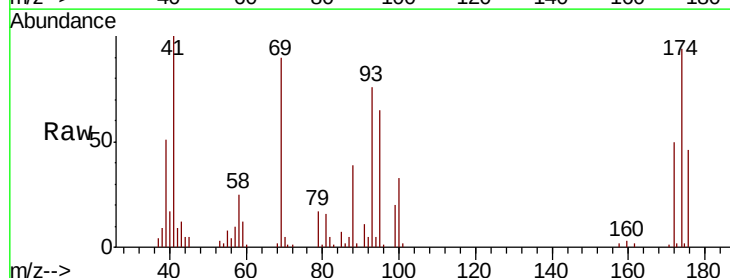
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

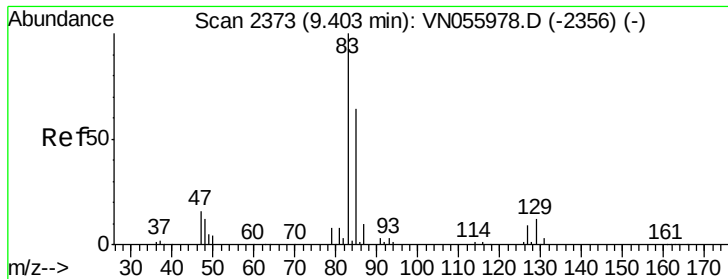
Tot Ion: 63 Resp: 57751
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.6 36.8



#46
 Dibromomethane
 Concen: 21.738 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion: 93 Resp: 38496
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 126.1 96.4 144.6





#47

Bromodichloromethane

Concen: 22.065 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

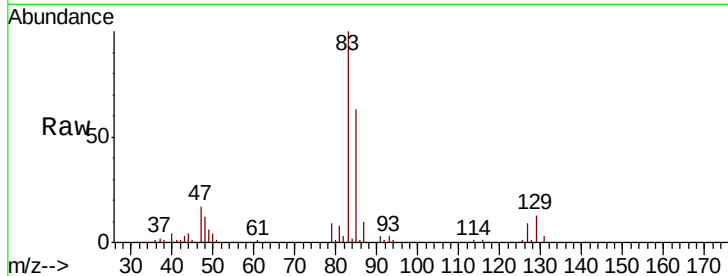
Tot Ion: 83 Resp: 70819

Ion Ratio Lower Upper

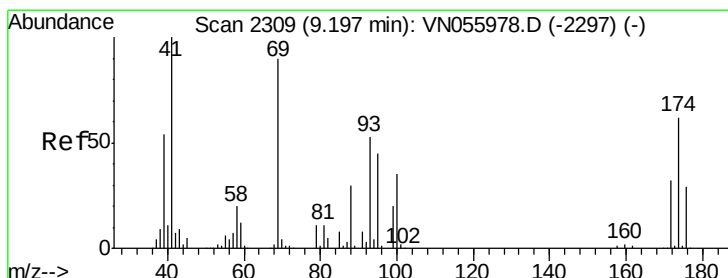
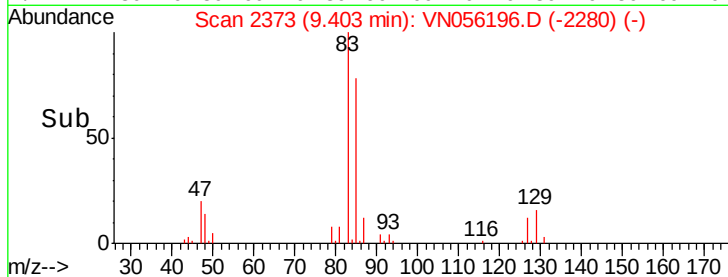
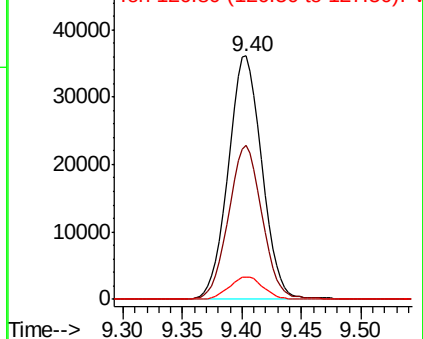
83 100

85 63.0 52.2 78.2

127 9.4 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: 22.033 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

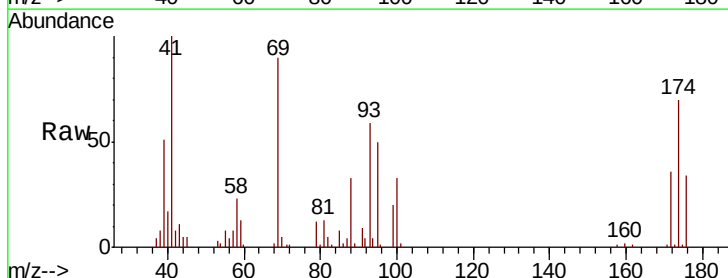
Tgt Ion: 41 Resp: 54100

Ion Ratio Lower Upper

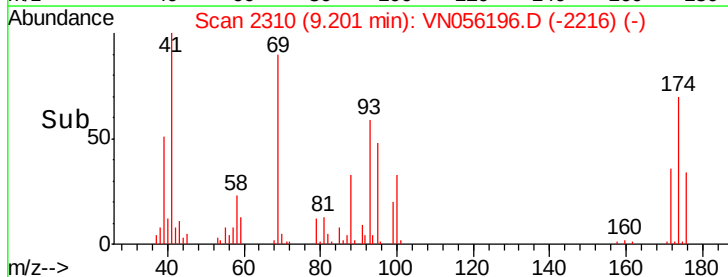
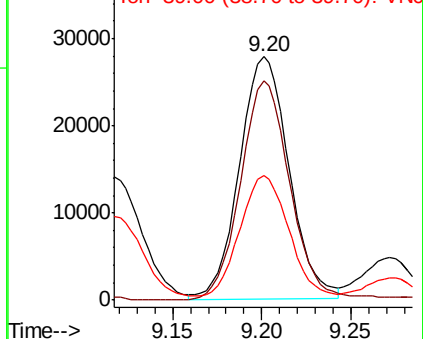
41 100

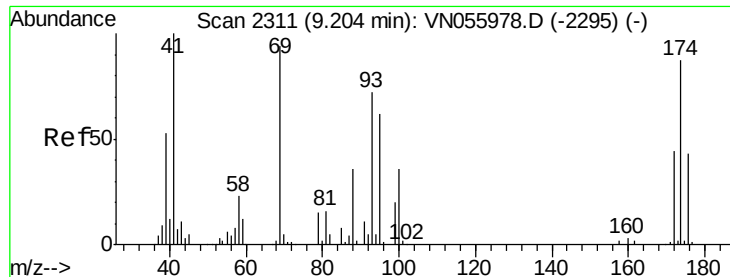
69 91.5 71.0 106.6

39 52.2 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: 461.665 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

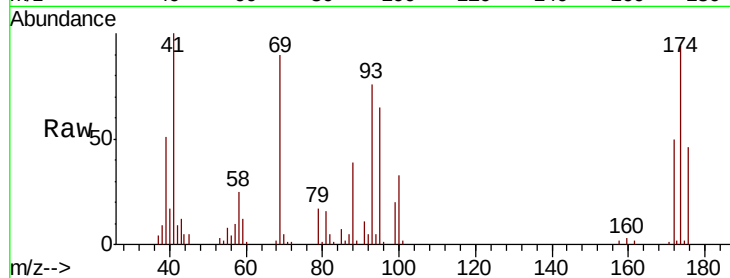
Tot Ion: 88 Resp: 24473

Ion Ratio Lower Upper

88 100

43 24.9 20.5 30.7

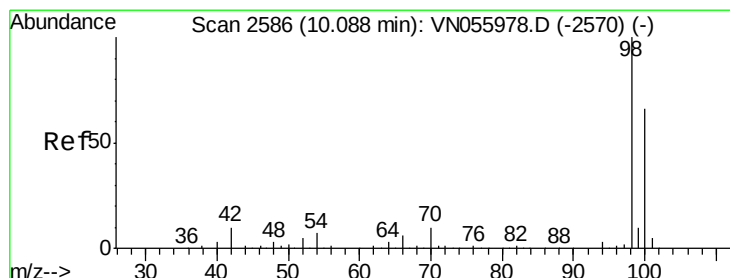
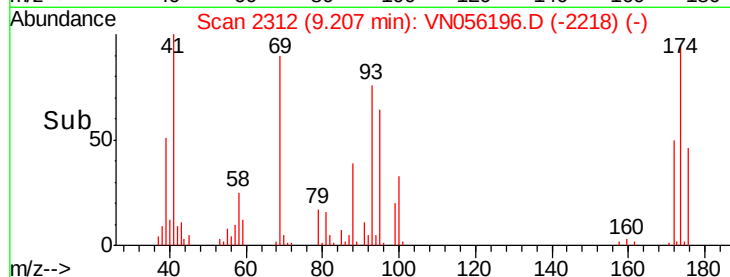
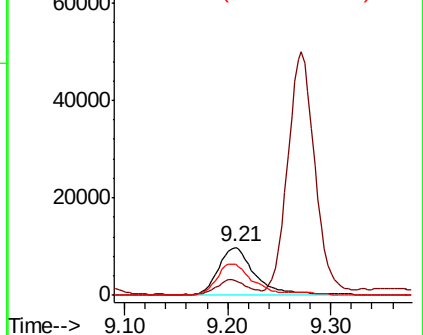
58 62.4 55.8 83.6



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: 49.136 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056196.D

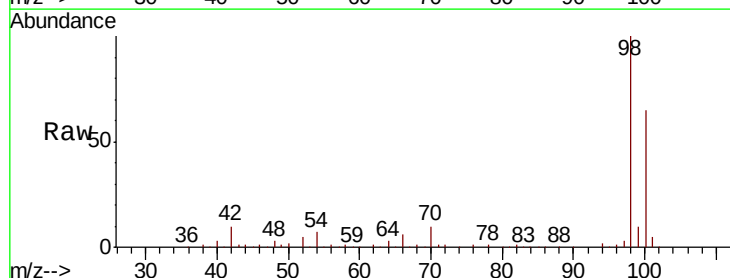
Acq: 11 Jun 2019 3:30

Tgt Ion: 98 Resp: 469631

Ion Ratio Lower Upper

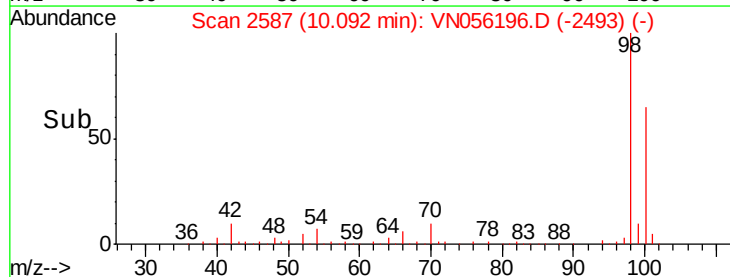
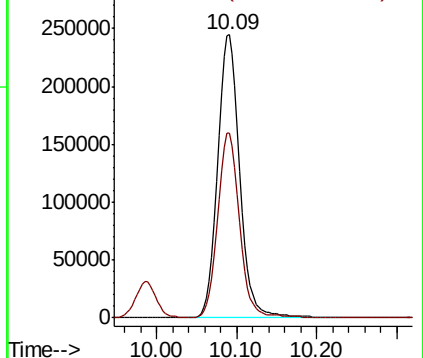
98 100

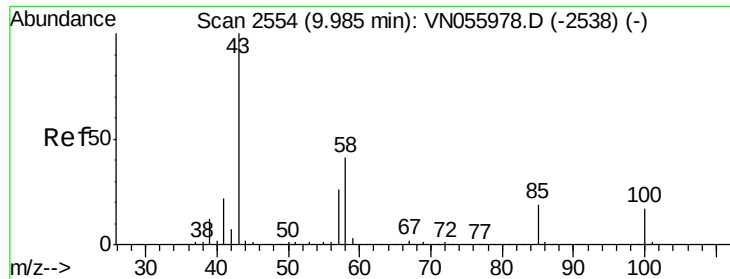
100 64.3 51.9 77.9



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: 112.980 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

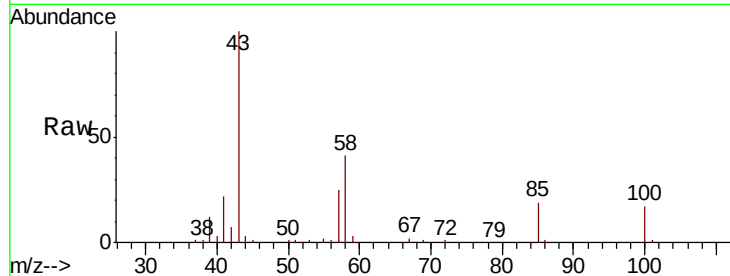
VN0610WBSD02

Tot Ion: 43 Resp: 354604

Ion Ratio Lower Upper

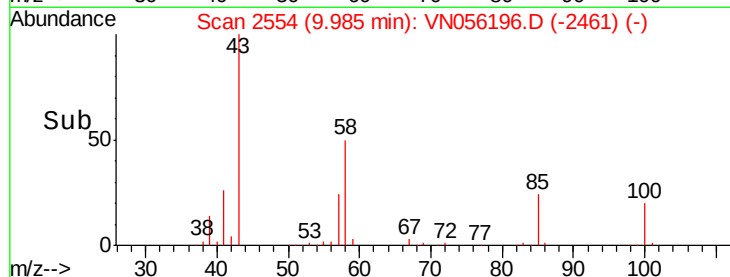
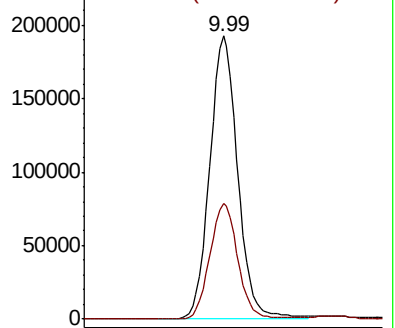
43 100

58 41.0 32.1 48.1

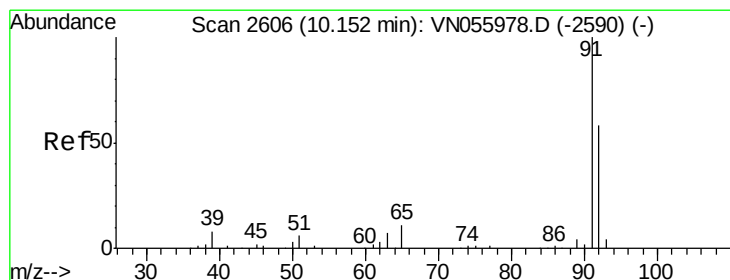


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.947 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056196.D

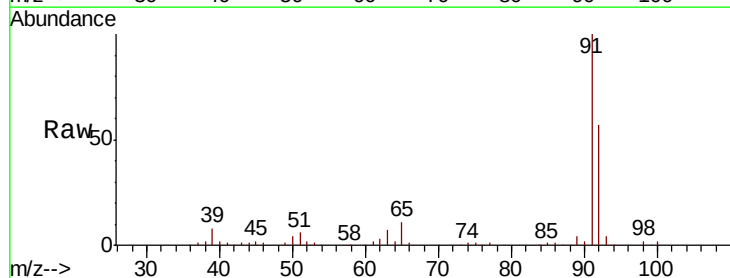
Acq: 11 Jun 2019 3:30

Tgt Ion: 92 Resp: 137812

Ion Ratio Lower Upper

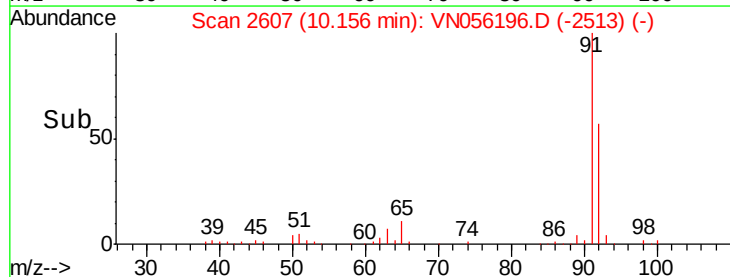
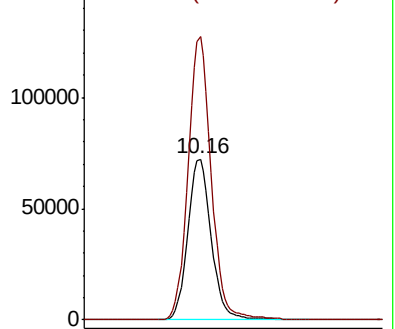
92 100

91 172.5 139.4 209.2

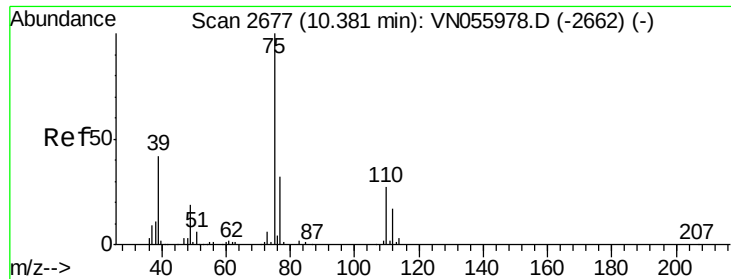


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#53

t-1,3-Dichloropropene

Concen: 18.204 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

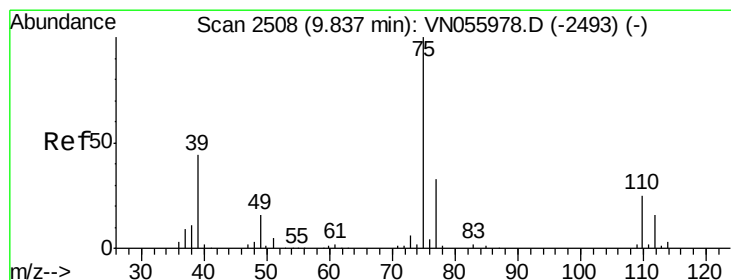
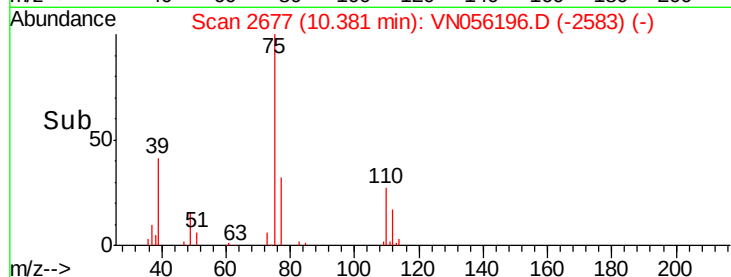
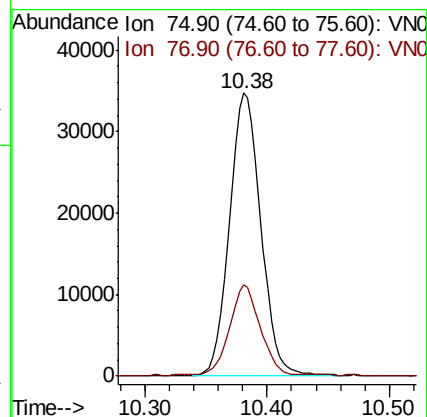
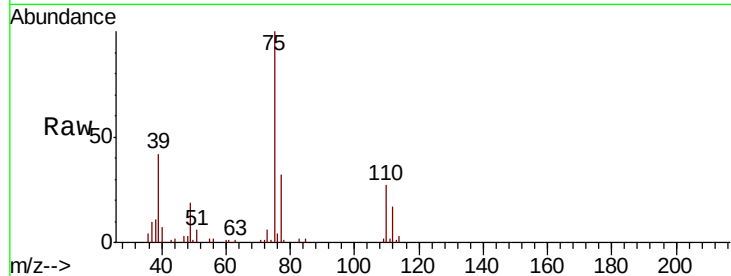
VN0610WBSD02

Tot Ion: 75 Resp: 62473

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.617 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

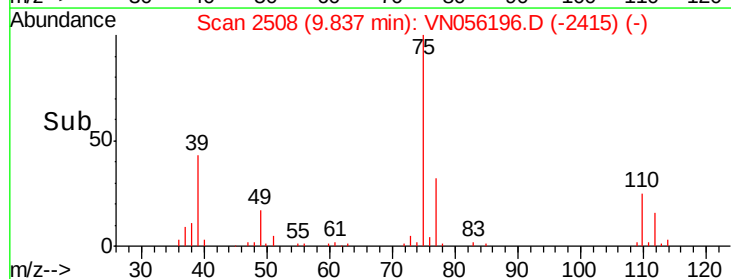
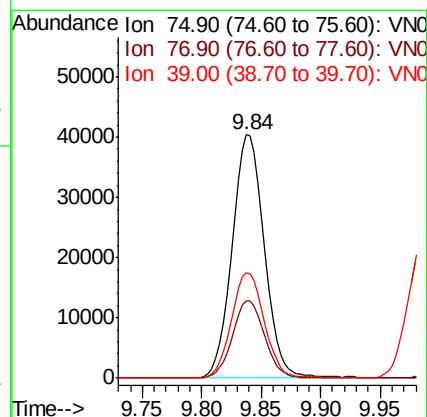
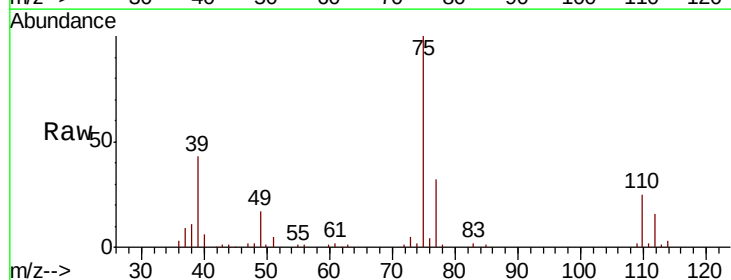
Tgt Ion: 75 Resp: 75681

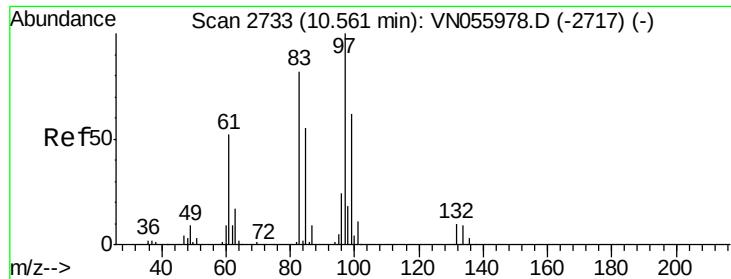
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 43.5 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 22.029 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

Tot Ion: 97 Resp: 57408

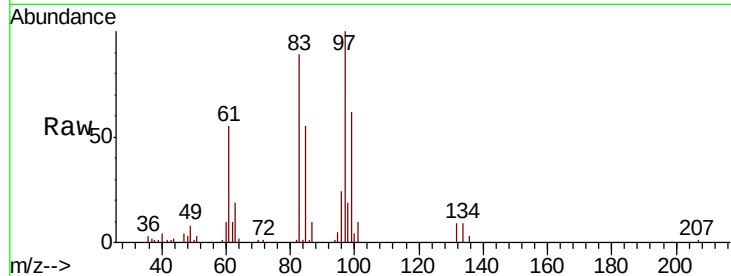
Ion Ratio Lower Upper

97 100

83 88.9 67.0 100.6

85 54.7 44.0 66.0

99 62.5 50.6 75.8

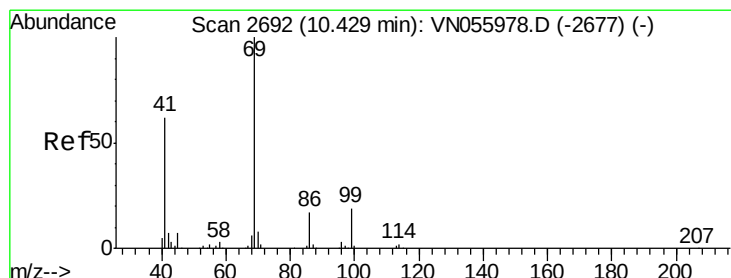
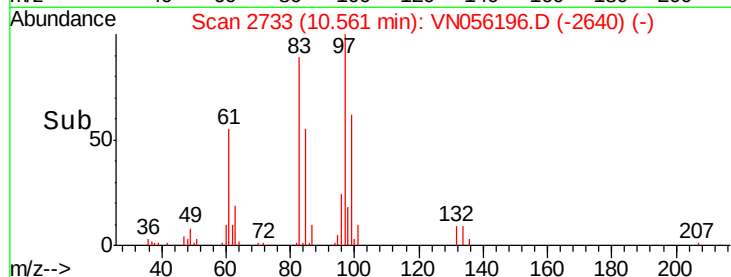
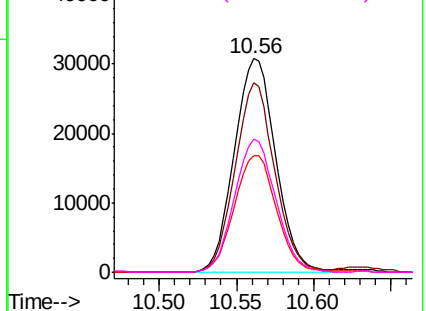


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 21.462 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

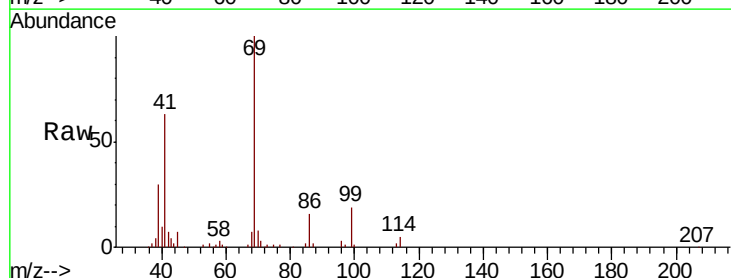
Tgt Ion: 69 Resp: 81598

Ion Ratio Lower Upper

69 100

41 63.1 49.7 74.5

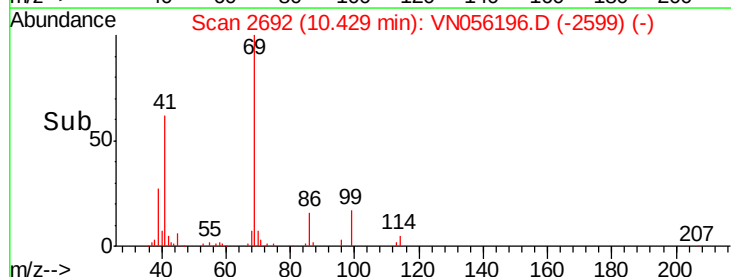
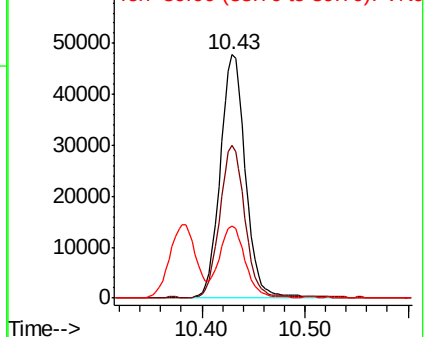
39 29.3 24.7 37.1

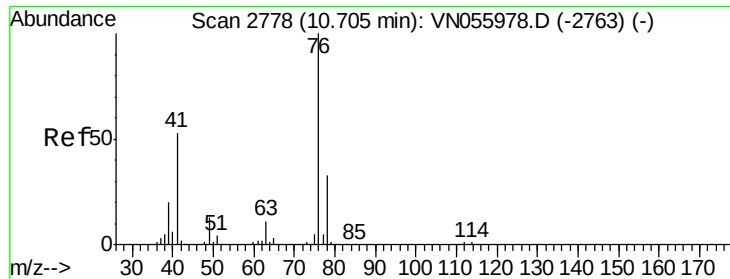


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 21.636 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

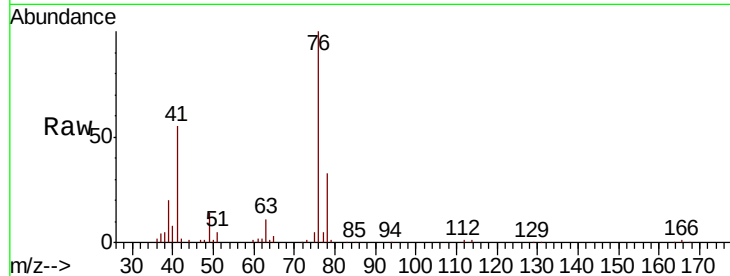
VN0610WBSD02

Tot Ion: 76 Resp: 91662

Ion Ratio Lower Upper

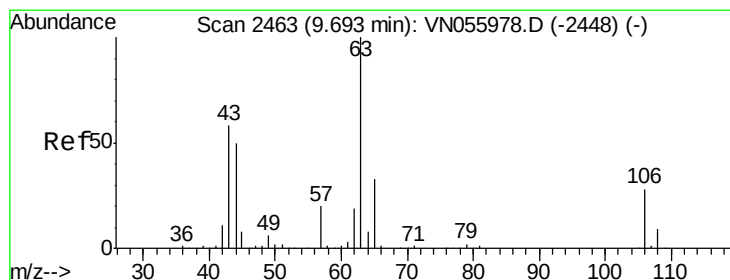
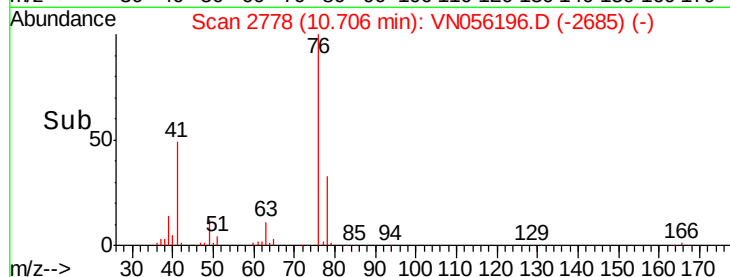
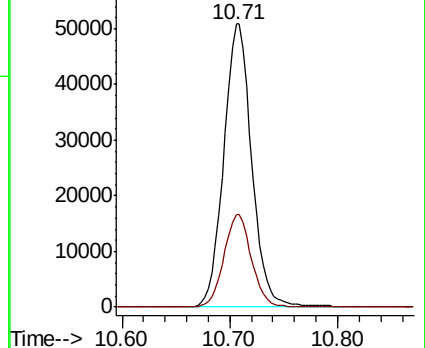
76 100

78 32.2 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: 100.440 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056196.D

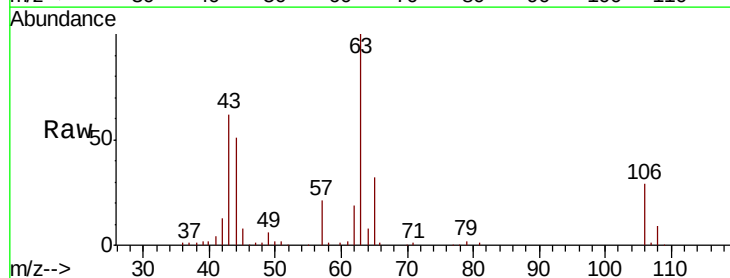
Acq: 11 Jun 2019 3:30

Tgt Ion: 63 Resp: 137141

Ion Ratio Lower Upper

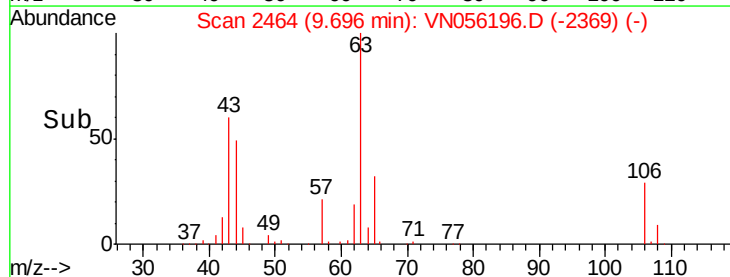
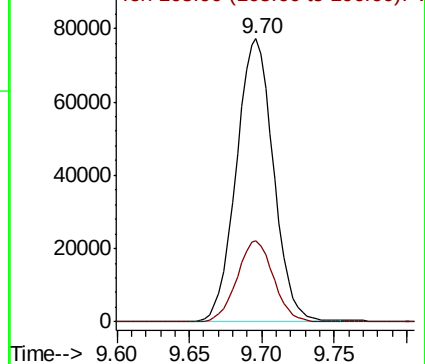
63 100

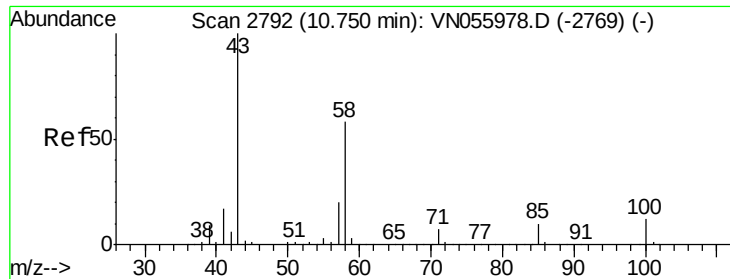
106 28.2 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

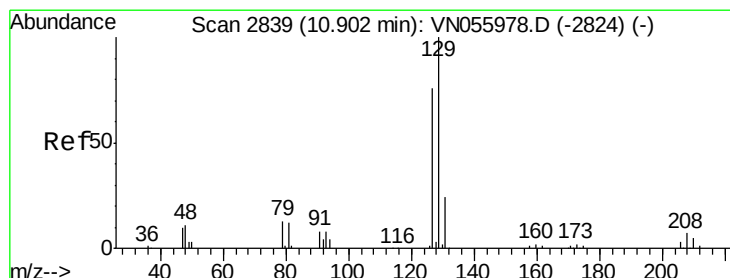
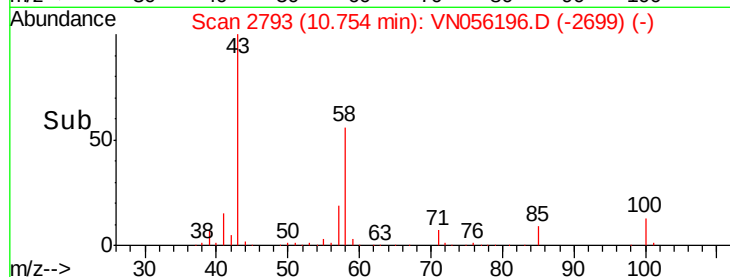
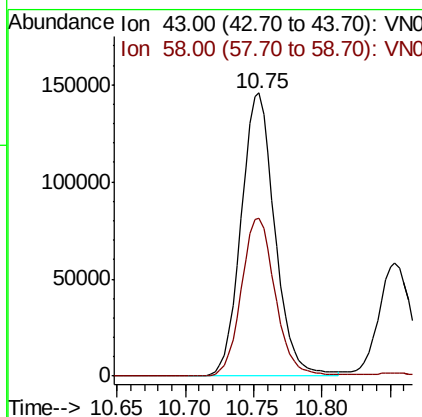
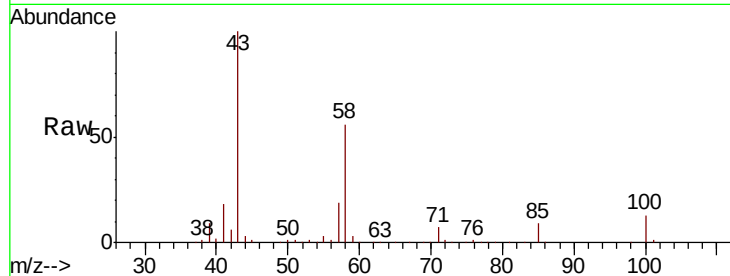




#59
2-Hexanone
Concen: 109.984 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

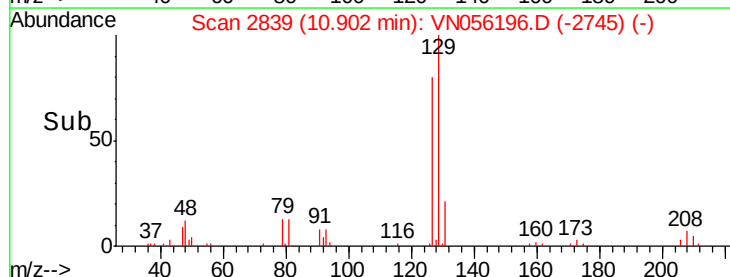
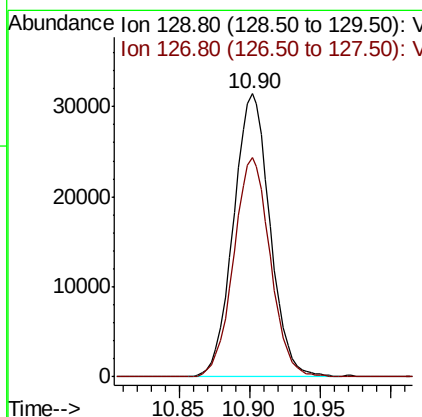
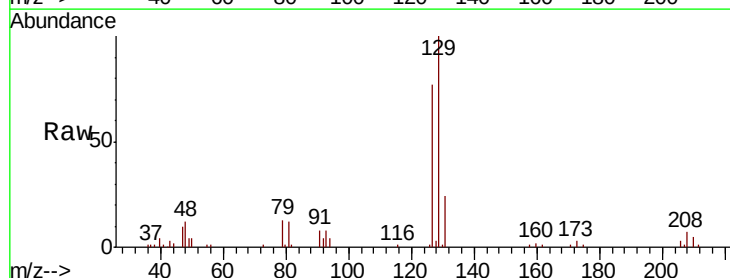
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

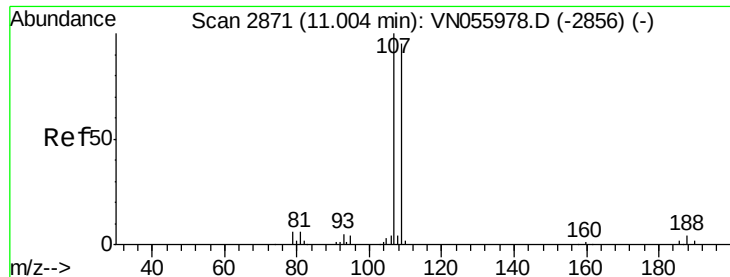
Tot Ion: 43 Resp: 250194
Ion Ratio Lower Upper
43 100
58 56.2 28.2 84.7



#60
Dibromochloromethane
Concen: 21.289 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 129 Resp: 56934
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.709 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

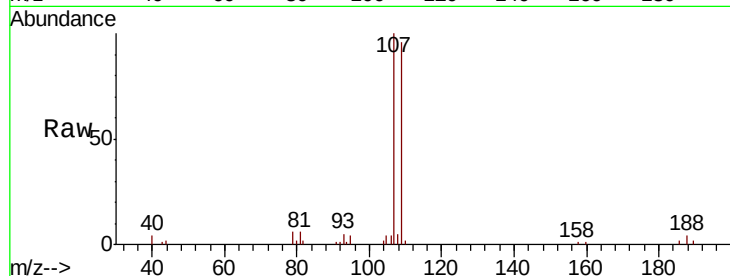
VN0610WBSD02

Tot Ion:107 Resp: 57836

Ion Ratio Lower Upper

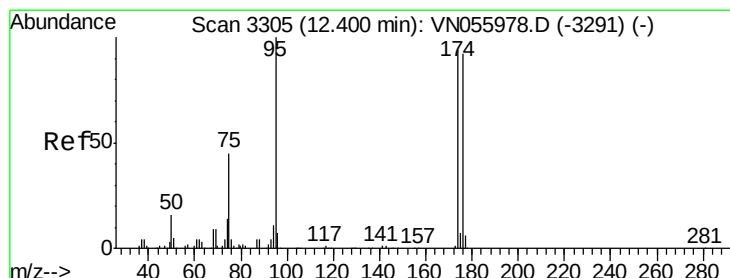
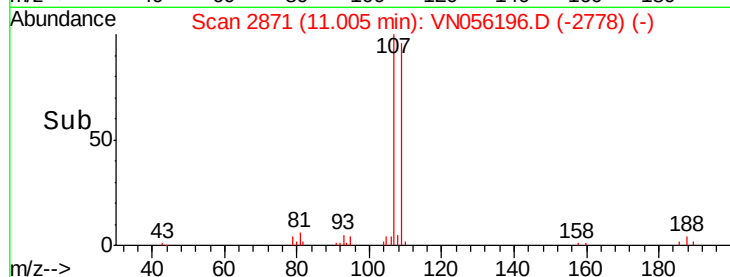
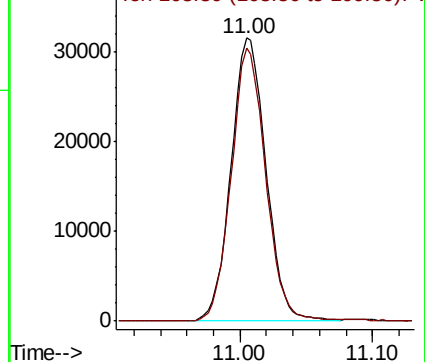
107 100

109 94.5 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.440 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

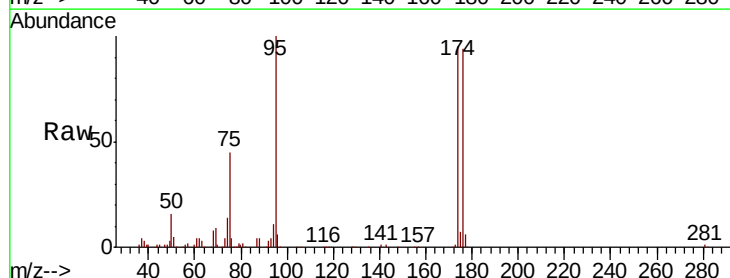
Tgt Ion: 95 Resp: 157445

Ion Ratio Lower Upper

95 100

174 97.0 0.0 191.0

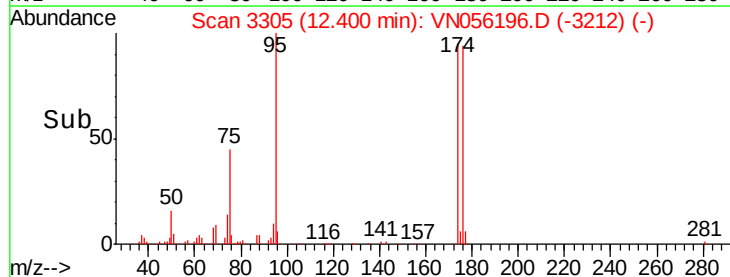
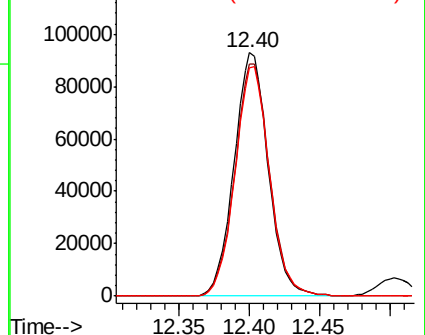
176 95.0 0.0 185.2

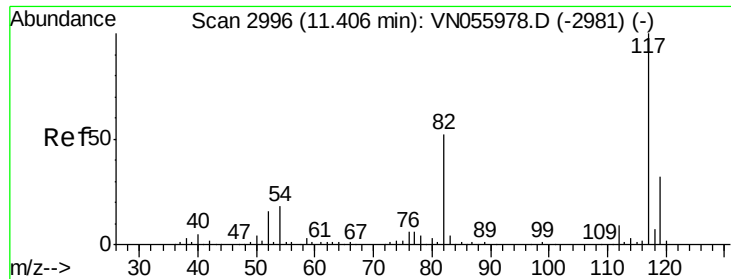


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

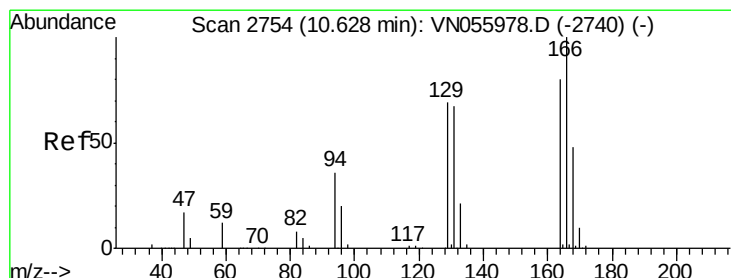
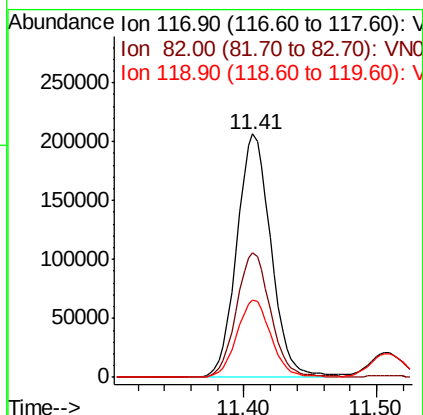
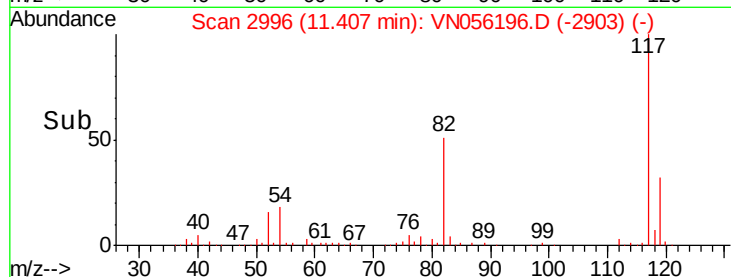
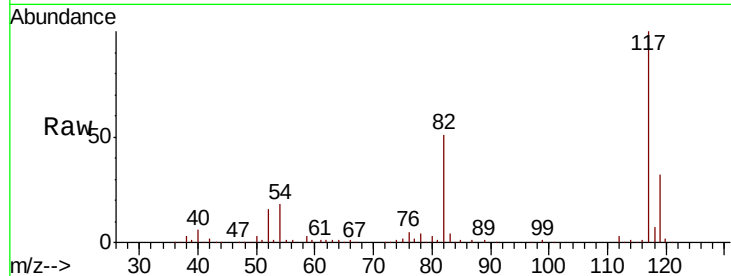




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

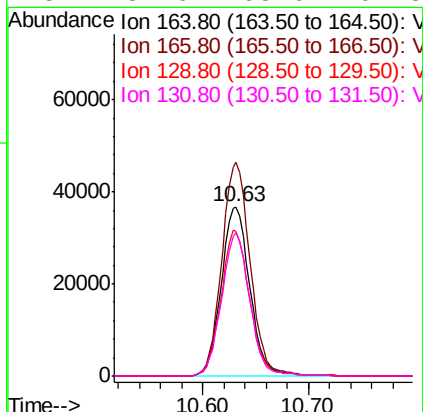
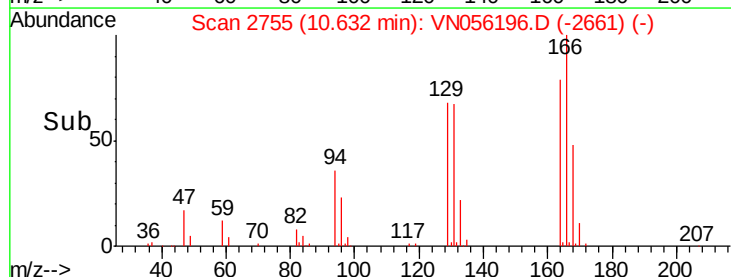
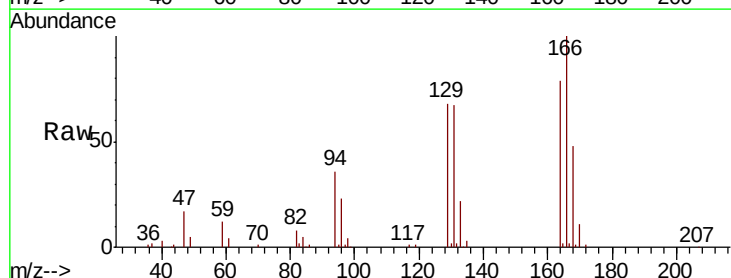
Instrument :
MSVOA_N
ClientSampled :
VN0610WBSD02

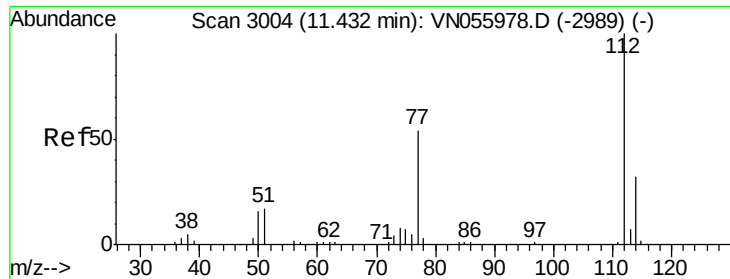
Tot Ion:117 Resp: 369849
Ion Ratio Lower Upper
117 100
82 51.0 41.8 62.8
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 21.461 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion:164 Resp: 68707
Ion Ratio Lower Upper
164 100
166 126.4 103.0 154.6
129 85.9 70.6 105.8
131 84.6 68.6 102.8

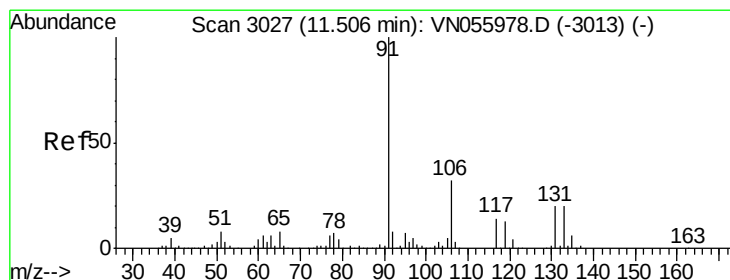
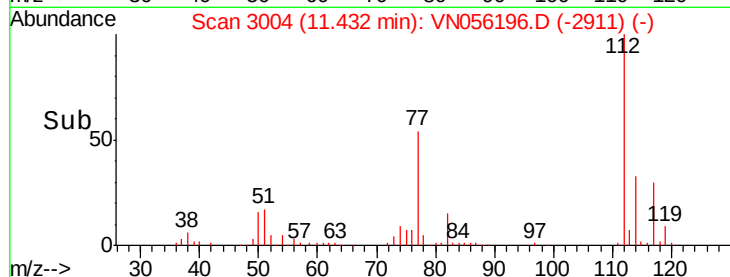
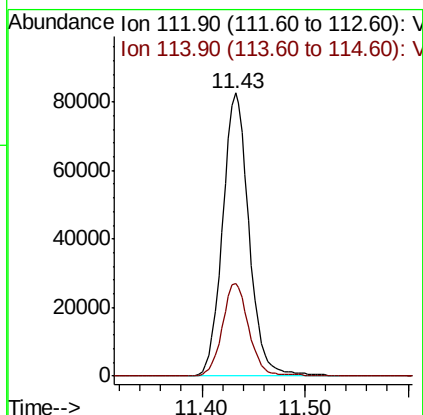
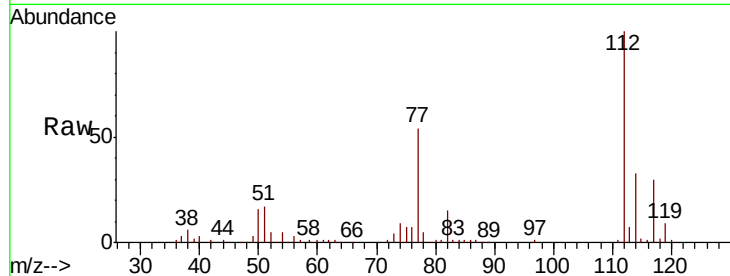




#65
Chlorobenzene
Concen: 19.997 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

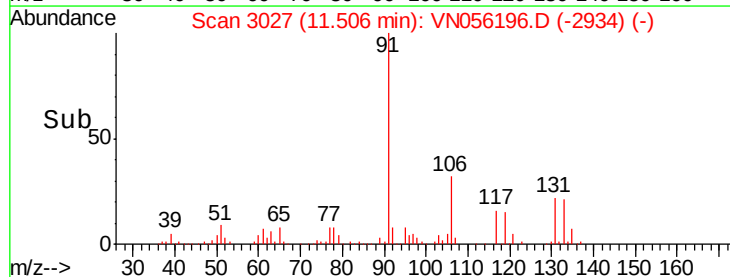
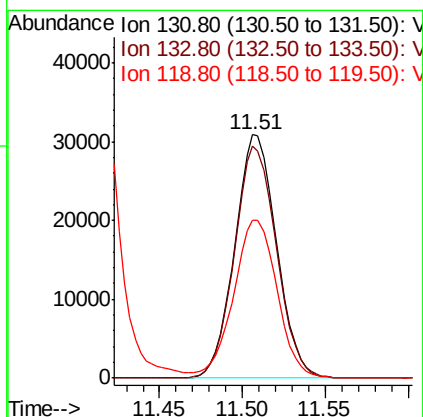
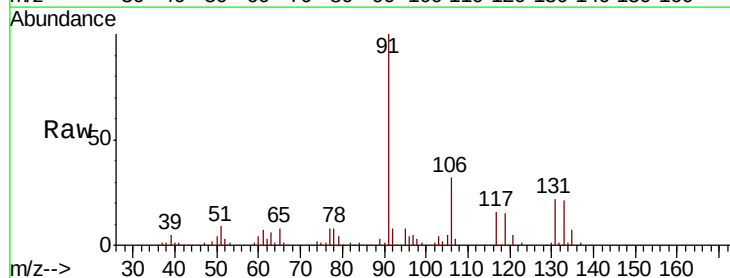
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

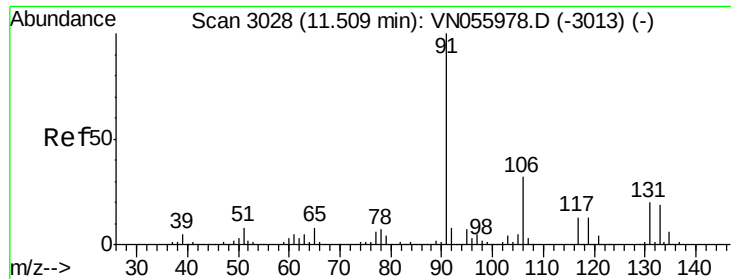
Tot Ion:112 Resp: 147193
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.275 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion:131 Resp: 54071
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 67.9 33.1 99.5

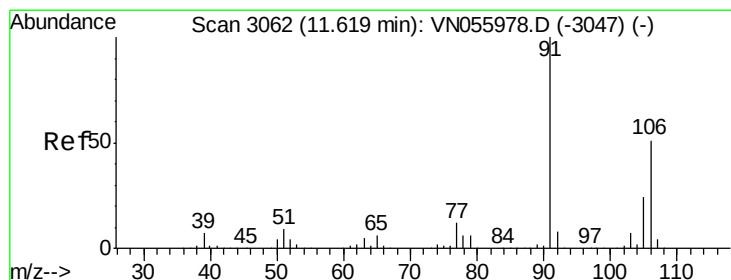
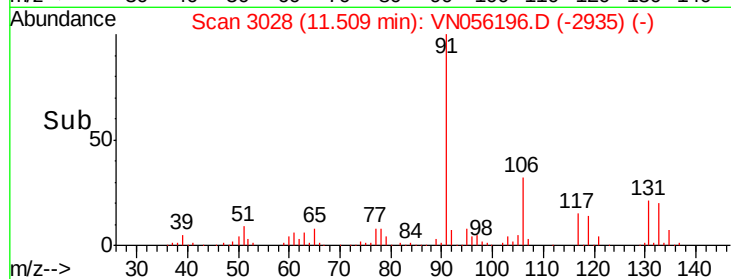
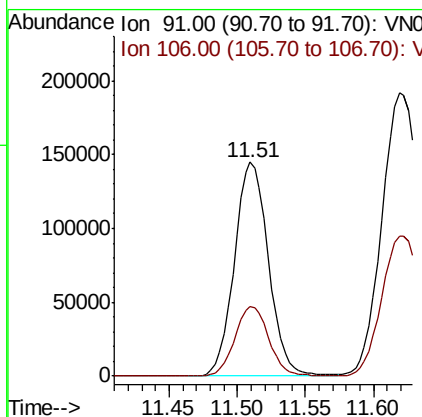
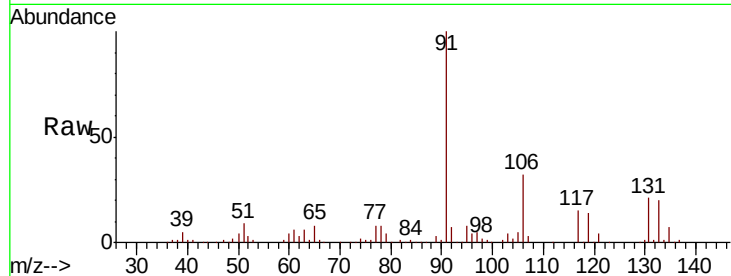




#67
Ethyl Benzene
Concen: 19.656 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

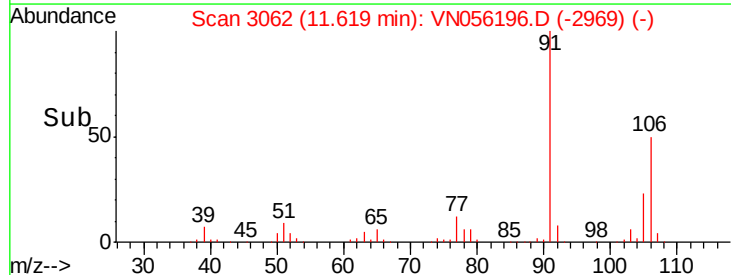
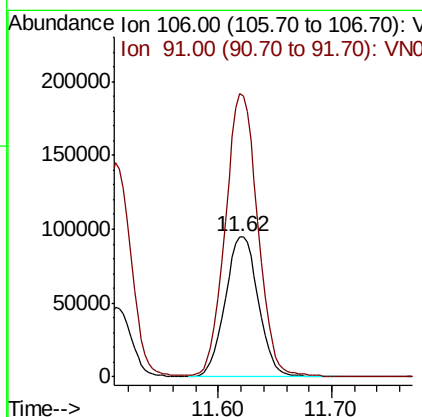
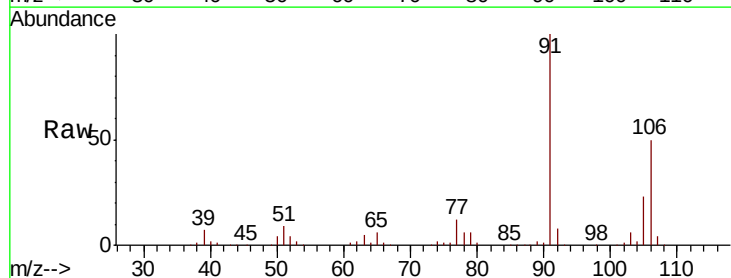
Instrument :
MSVOA_N
ClientSampled :
VN0610WBSD02

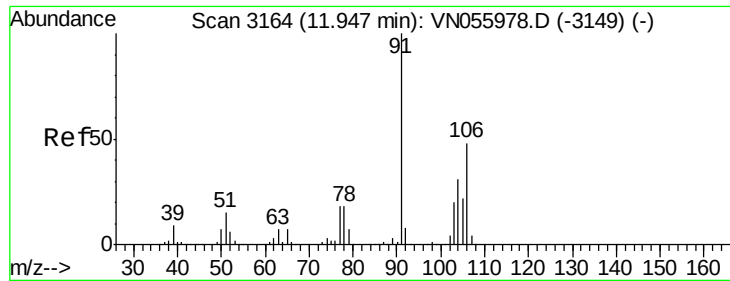
Tot Ion: 91 Resp: 251581
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7



#68
m/p-Xylenes
Concen: 39.784 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 106 Resp: 194520
Ion Ratio Lower Upper
106 100
91 197.6 159.3 238.9

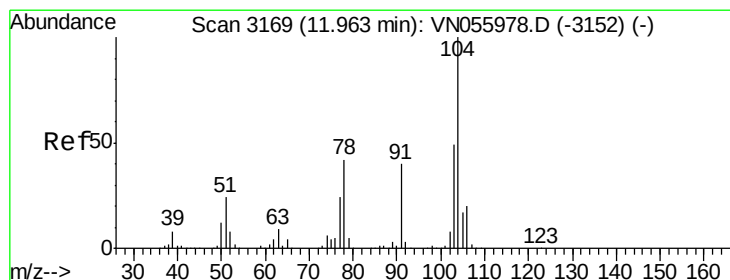
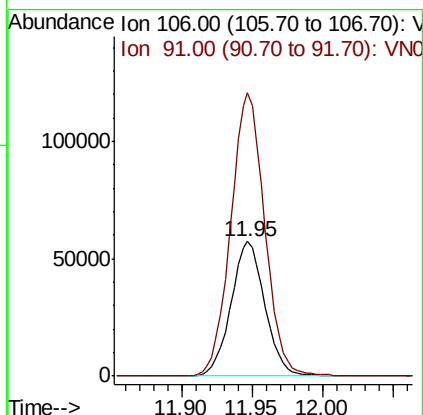
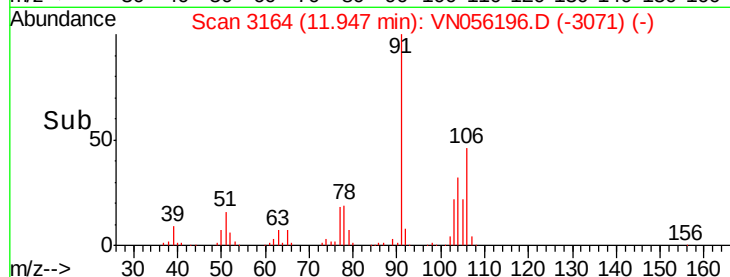
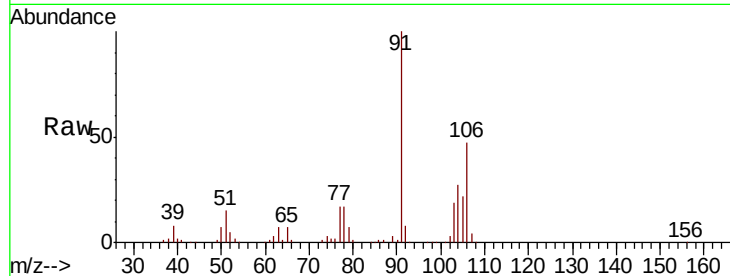




#69
o-Xylene
Concen: 19.995 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

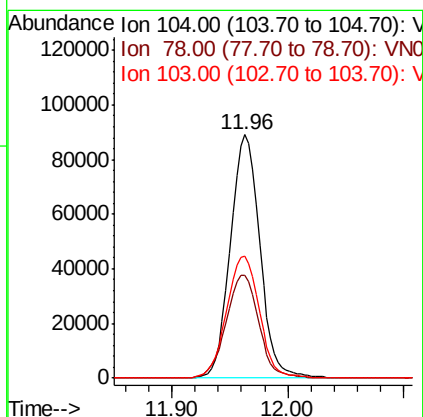
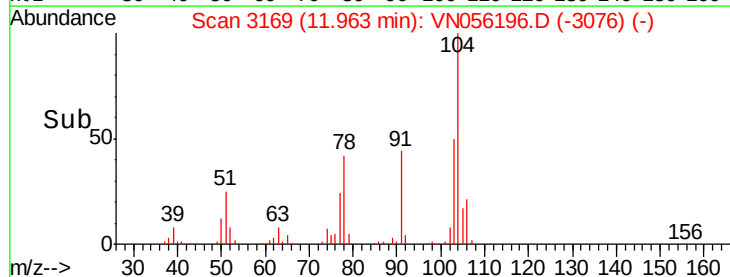
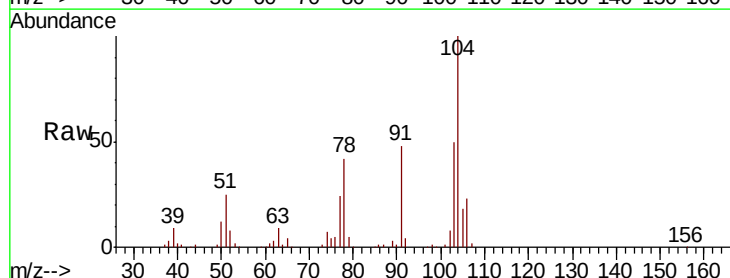
Instrument :
MSVOA_N
ClientSampleID :
VN0610WBSD02

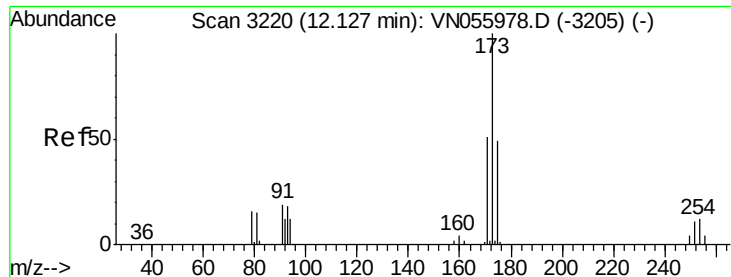
Tot Ion:106 Resp: 96164
Ion Ratio Lower Upper
106 100
91 211.0 104.7 314.1



#70
Styrene
Concen: 20.462 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion:104 Resp: 156367
Ion Ratio Lower Upper
104 100
78 46.9 37.8 56.6
103 55.9 44.2 66.2

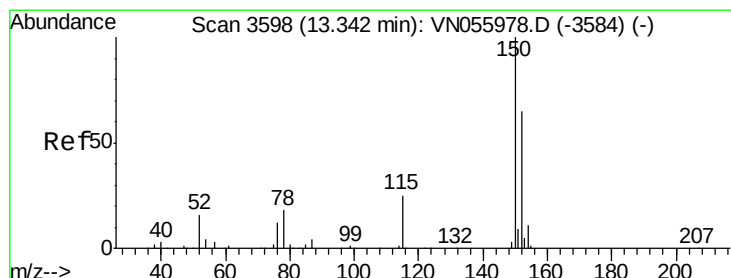
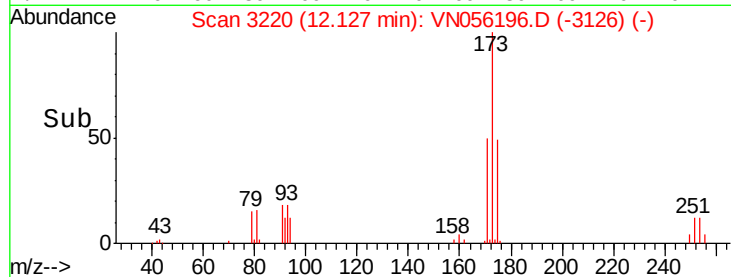
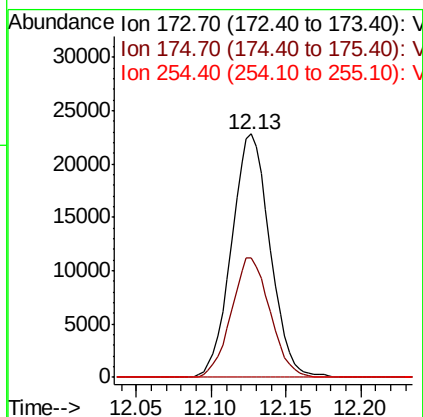
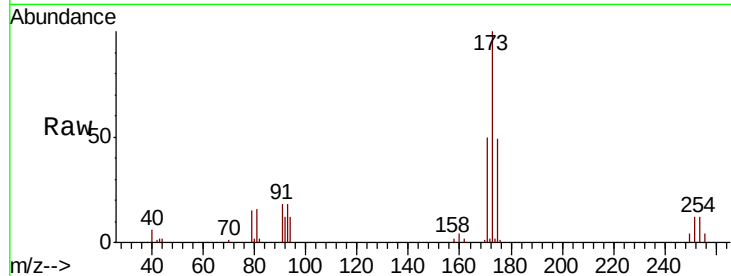




#71
Bromoform
Concen: 20.807 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

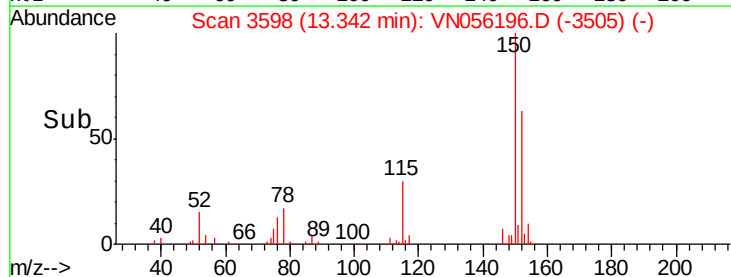
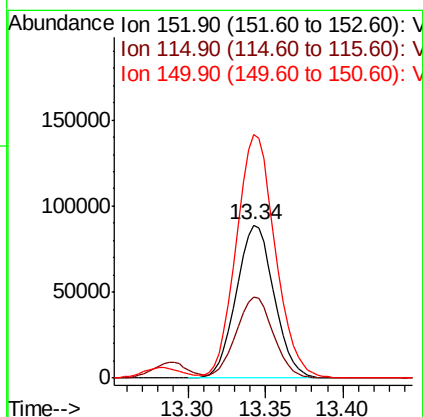
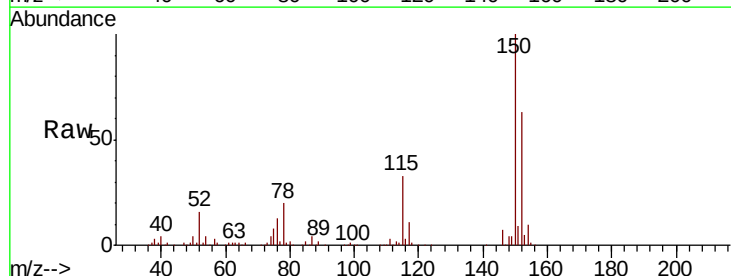
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

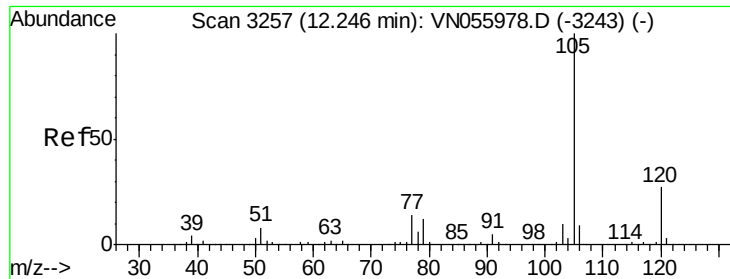
Tot Ion:173 Resp: 40783
Ion Ratio Lower Upper
173 100
175 49.3 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion:152 Resp: 151008
Ion Ratio Lower Upper
152 100
115 52.5 27.0 81.0
150 164.2 0.0 343.2





#73

Isopropylbenzene

Concen: 22.069 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

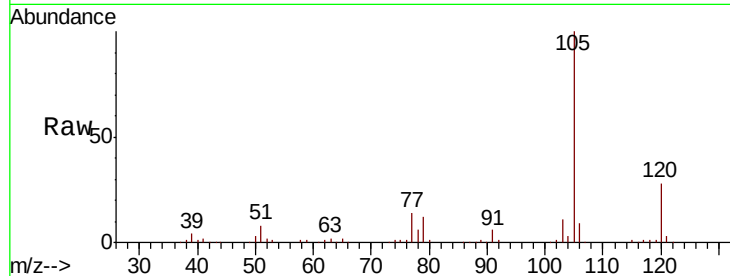
VN0610WBSD02

Tot Ion:105 Resp: 252096

Ion Ratio Lower Upper

105 100

120 27.6 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

12.15

12.10

12.05

12.00

11.95

11.90

11.85

11.80

11.75

11.70

11.65

11.60

11.55

11.50

11.45

11.40

11.35

11.30

11.25

11.20

11.15

11.10

11.05

11.00

10.95

10.90

10.85

10.80

10.75

10.70

10.65

10.60

10.55

10.50

10.45

10.40

10.35

10.30

10.25

10.20

10.15

10.10

10.05

10.00

9.95

9.90

9.85

9.80

9.75

9.70

9.65

9.60

9.55

9.50

9.45

9.40

9.35

9.30

9.25

9.20

9.15

9.10

9.05

9.00

8.95

8.90

8.85

8.80

8.75

8.70

8.65

8.60

8.55

8.50

8.45

8.40

8.35

8.30

8.25

8.20

8.15

8.10

8.05

8.00

7.95

7.90

7.85

7.80

7.75

7.70

7.65

7.60

7.55

7.50

7.45

7.40

7.35

7.30

7.25

7.20

7.15

7.10

7.05

7.00

6.95

6.90

6.85

6.80

6.75

6.70

6.65

6.60

6.55

6.50

6.45

6.40

6.35

6.30

6.25

6.20

6.15

6.10

6.05

6.00

5.95

5.90

5.85

5.80

5.75

5.70

5.65

5.60

5.55

5.50

5.45

5.40

5.35

5.30

5.25

5.20

5.15

5.10

5.05

5.00

4.95

4.90

4.85

4.80

4.75

4.70

4.65

4.60

4.55

4.50

4.45

4.40

4.35

4.30

4.25

4.20

4.15

4.10

4.05

4.00

3.95

3.90

3.85

3.80

3.75

3.70

3.65

3.60

3.55

3.50

3.45

3.40

3.35

3.30

3.25

3.20

3.15

3.10

3.05

3.00

2.95

2.90

2.85

2.80

2.75

2.70

2.65

2.60

2.55

2.50

2.45

2.40

2.35

2.30

2.25

2.20

2.15

2.10

2.05

2.00

1.95

1.90

1.85

1.80

1.75

1.70

1.65

1.60

1.55

1.50

1.45

1.40

1.35

1.30

1.25

1.20

1.15

1.10

1.05

1.00

0.95

0.90

0.85

0.80

0.75

0.70

0.65

0.60

0.55

0.50

0.45

0.40

0.35

0.30

0.25

0.20

0.15

0.10

0.05

0.00

-0.05

-0.10

-0.15

-0.20

-0.25

-0.30

-0.35

-0.40

-0.45

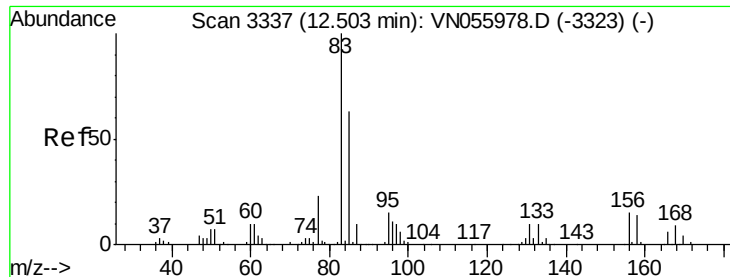
-0.50

-0.55

-0.60

-0.65

-0.70



#75

1,1,2,2-Tetrachloroethane

Concen: 22.564 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

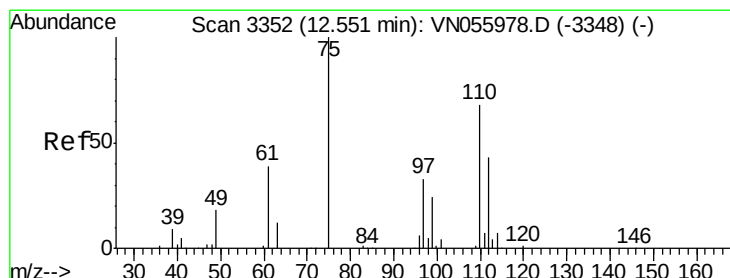
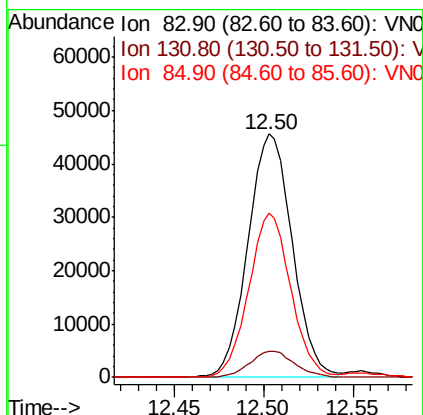
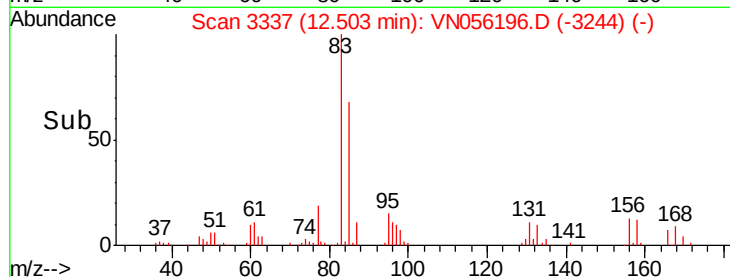
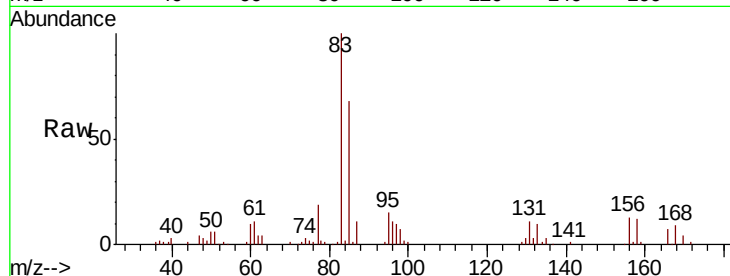
Tot Ion: 83 Resp: 79100

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

85 64.1 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 31.367 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056196.D

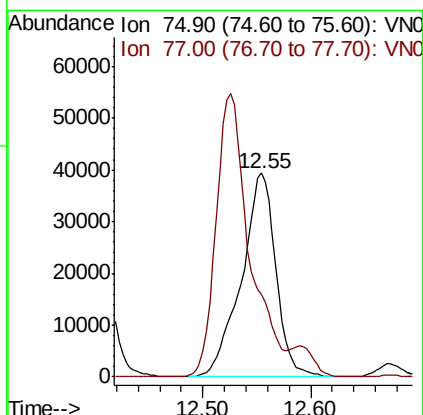
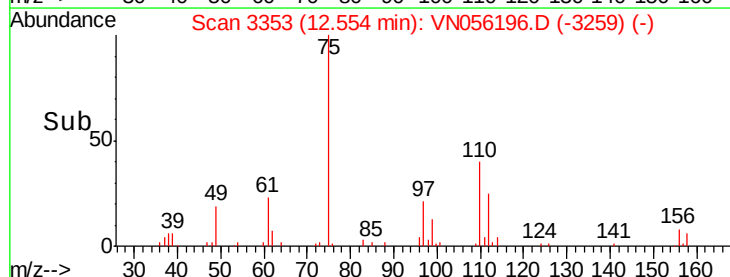
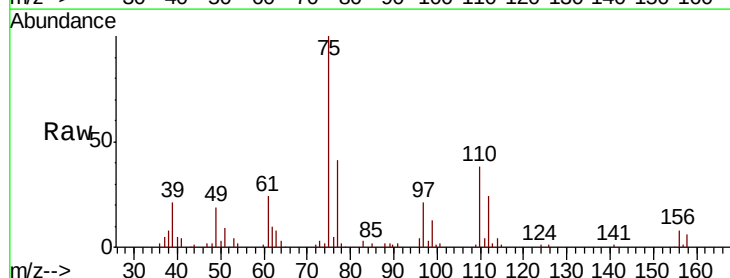
Acq: 11 Jun 2019 3:30

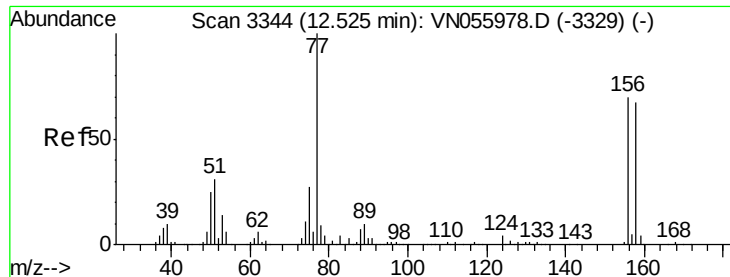
Tgt Ion: 75 Resp: 87157

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.477 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

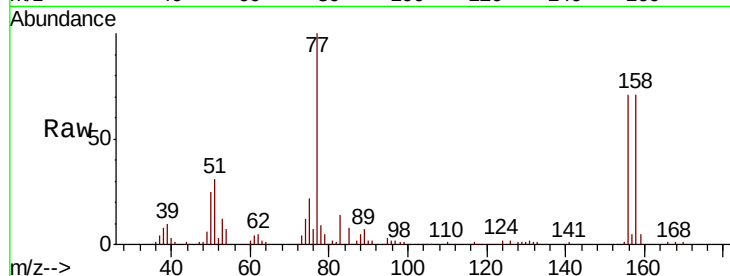
Tot Ion:156 Resp: 69436

Ion Ratio Lower Upper

156 100

77 170.3 90.8 272.5

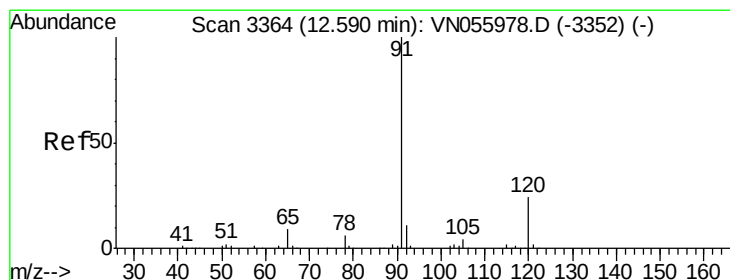
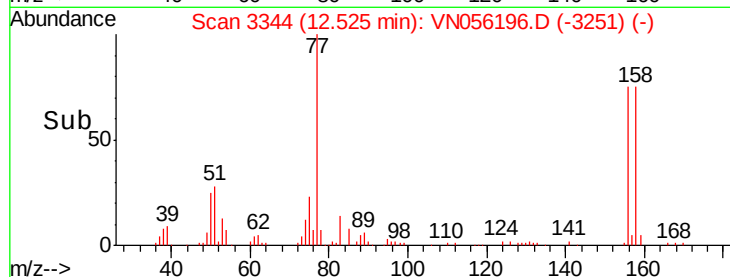
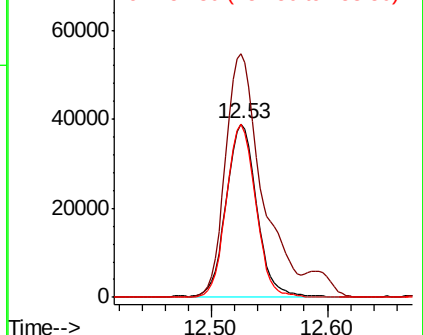
158 97.6 49.3 147.8



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: 20.172 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056196.D

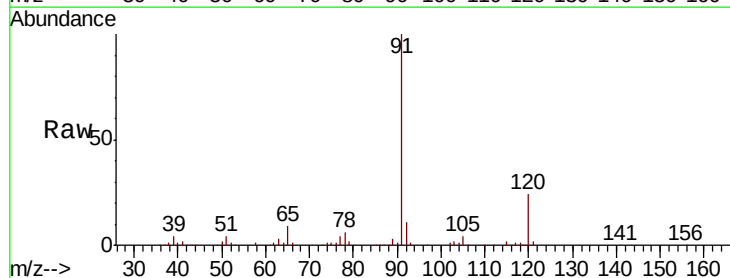
Acq: 11 Jun 2019 3:30

Tgt Ion: 91 Resp: 257697

Ion Ratio Lower Upper

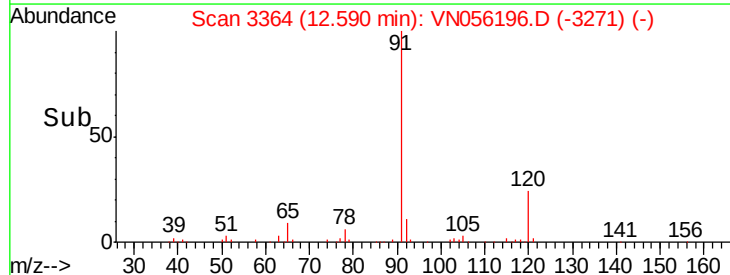
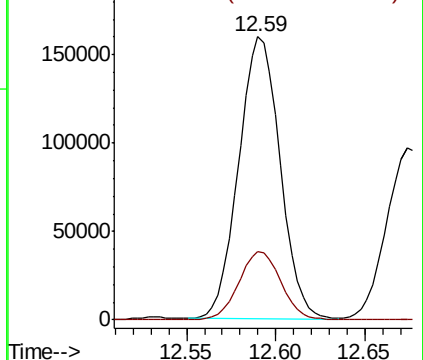
91 100

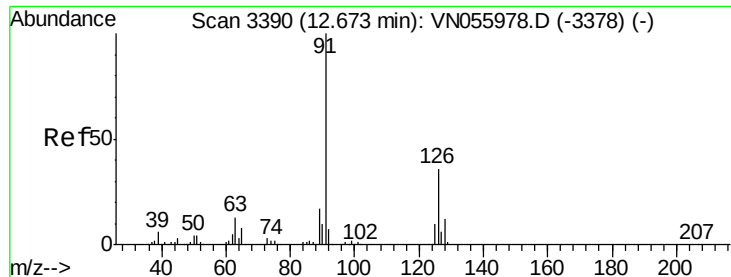
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.822 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

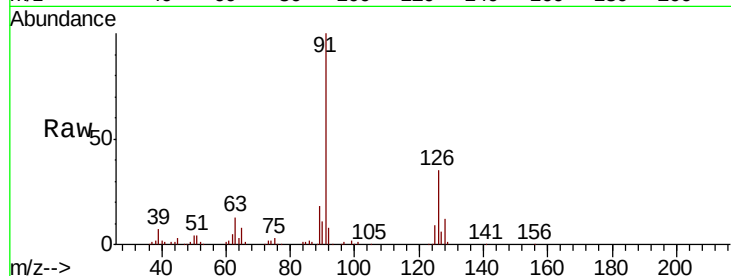
VN0610WBSD02

Tot Ion: 91 Resp: 163905

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

150000

100000

50000

0

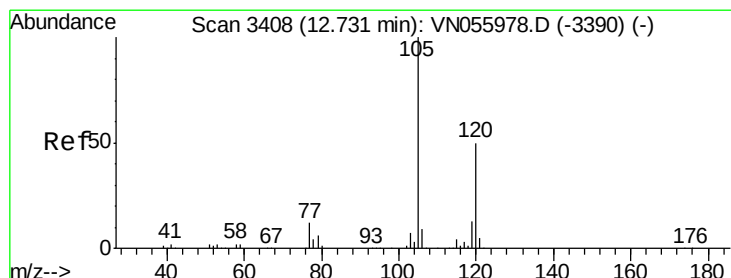
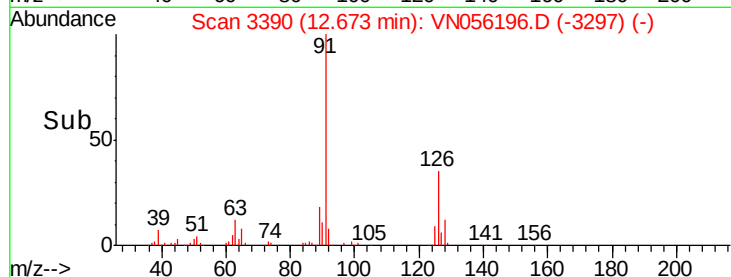
12.67

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.337 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056196.D

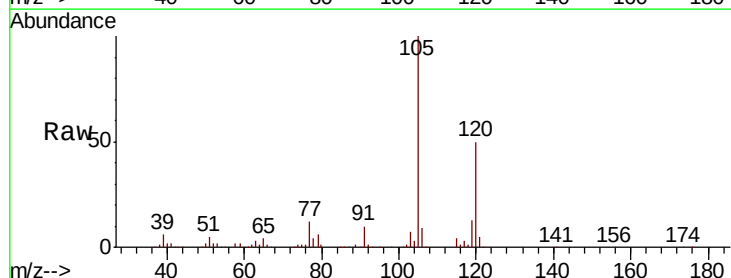
Acq: 11 Jun 2019 3:30

Tgt Ion: 105 Resp: 206482

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

150000

100000

50000

0

12.73

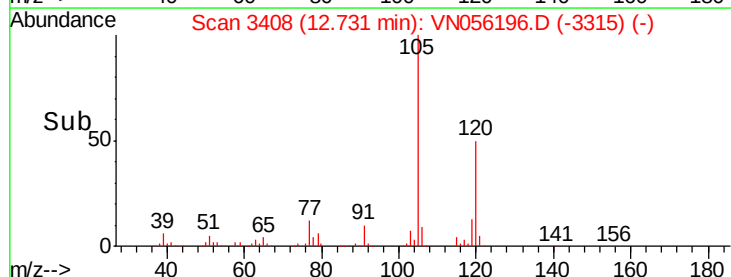
12.65

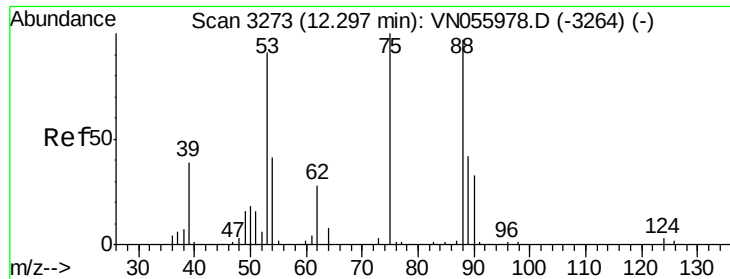
12.70

12.75

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.664 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

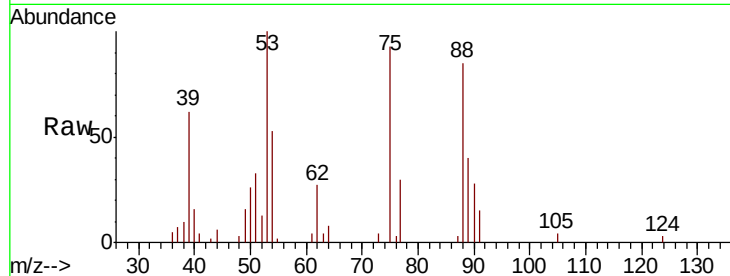
Tot Ion: 75 Resp: 14738

Ion Ratio Lower Upper

75 100

53 106.5 68.1 102.1#

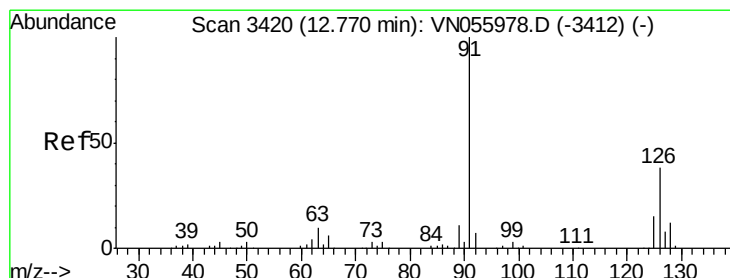
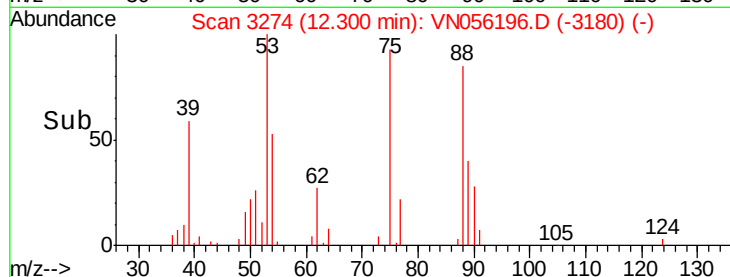
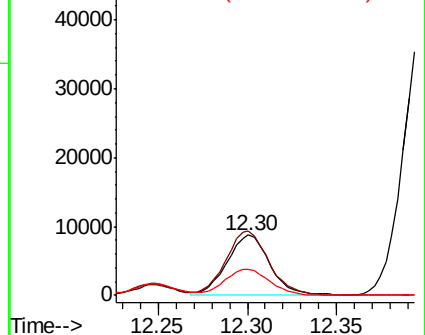
89 44.9 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.109 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056196.D

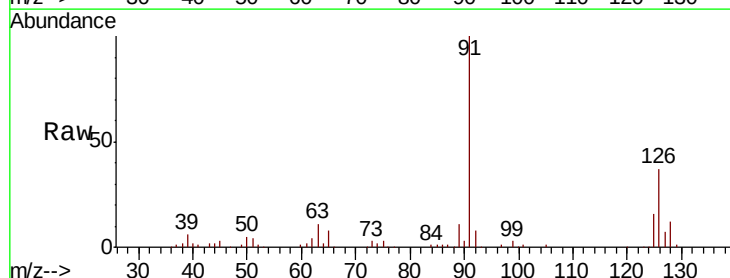
Acq: 11 Jun 2019 3:30

Tgt Ion: 91 Resp: 150293

Ion Ratio Lower Upper

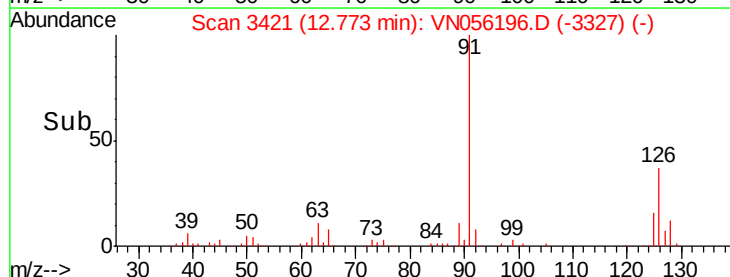
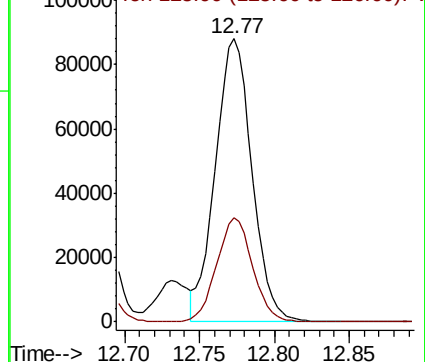
91 100

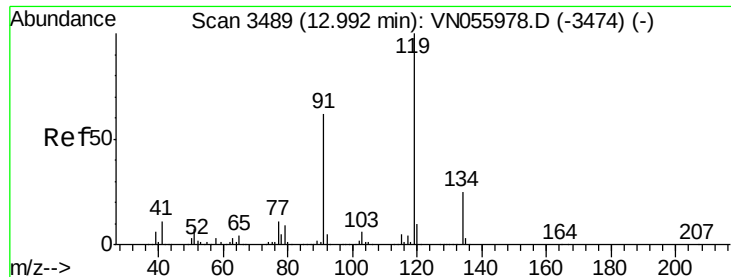
126 36.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

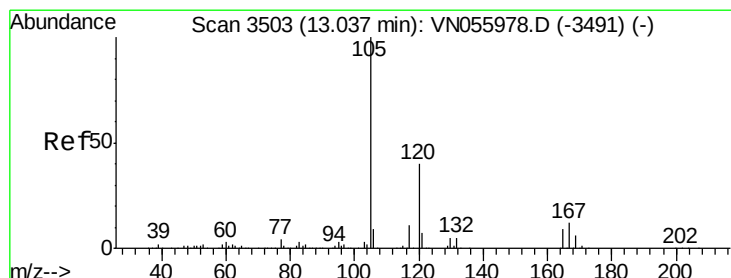
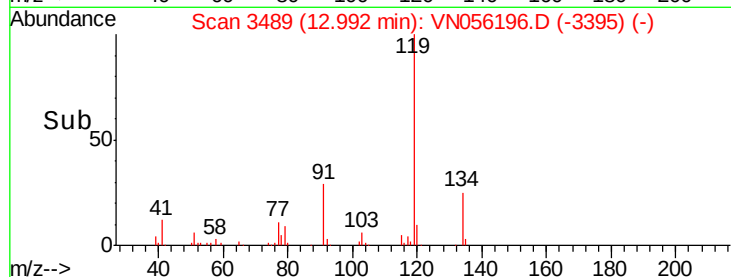
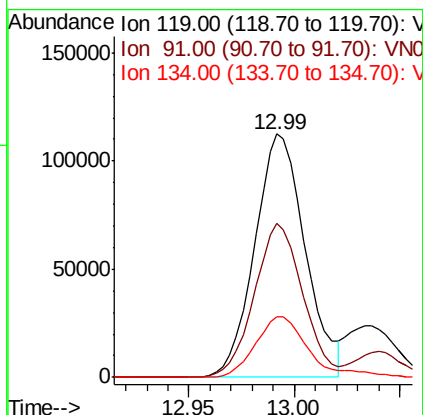
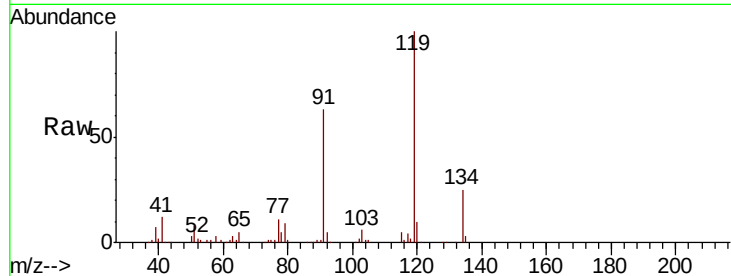




#83
 tert-Butylbenzene
 Concen: 22.279 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

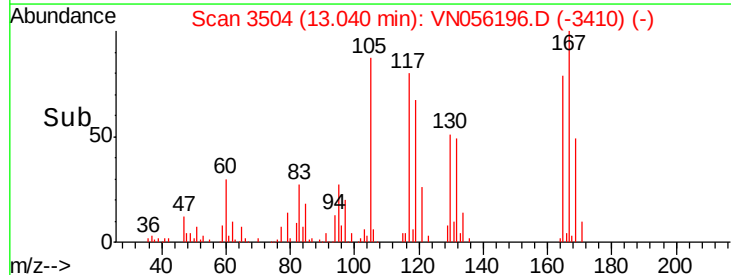
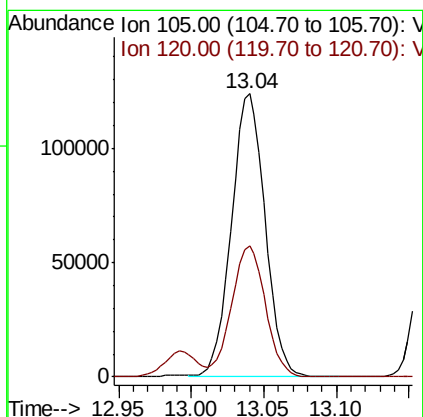
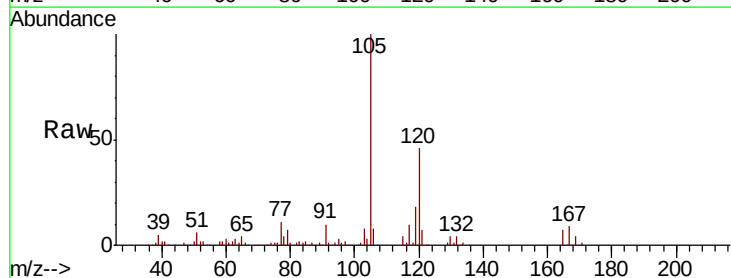
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

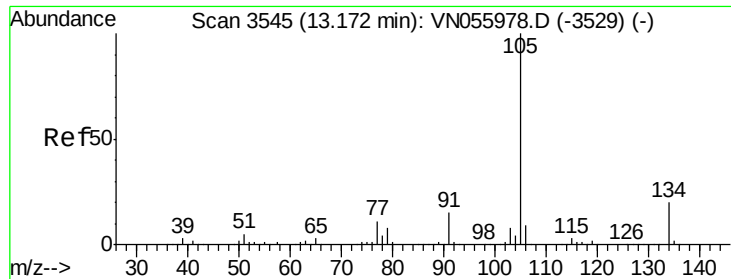
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.9	92.8
134	26.2	13.3	39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.710 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.281 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

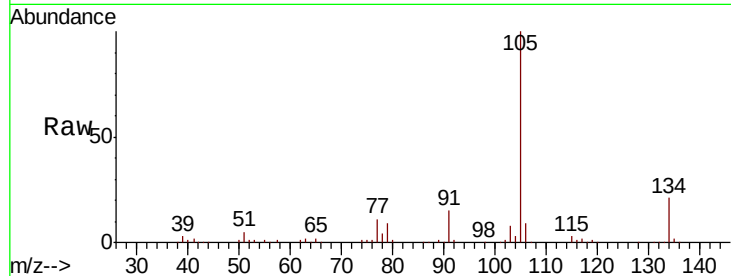
VN0610WBSD02

Tot Ion:105 Resp: 229448

Ion Ratio Lower Upper

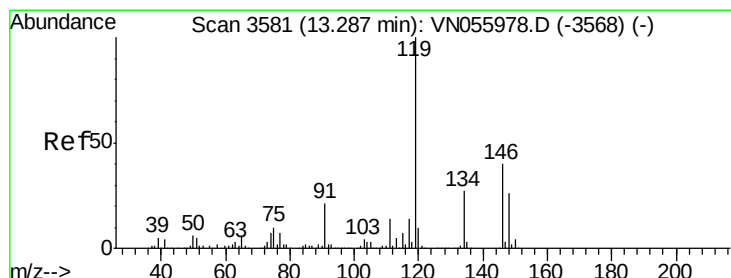
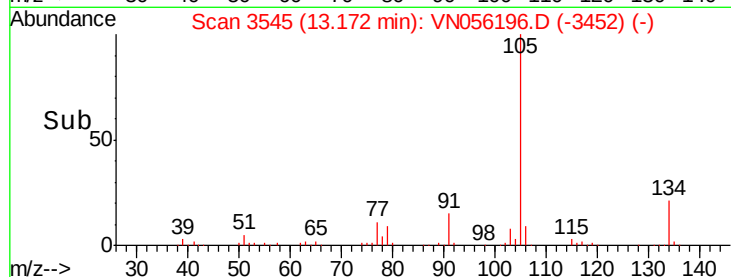
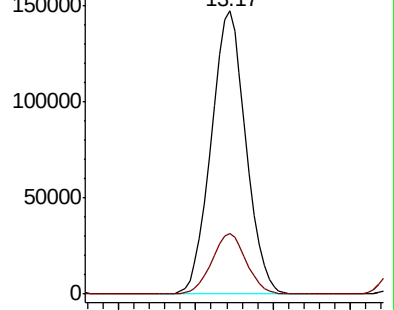
105 100

134 21.3 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.950 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

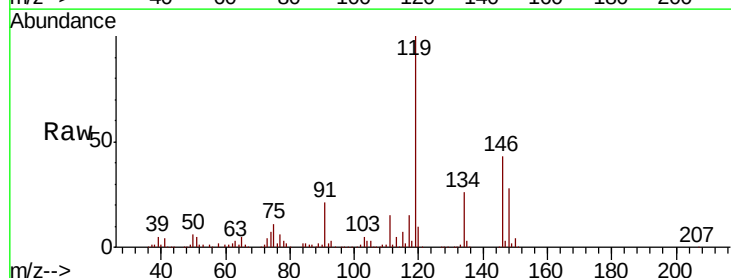
Tgt Ion:119 Resp: 202003

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

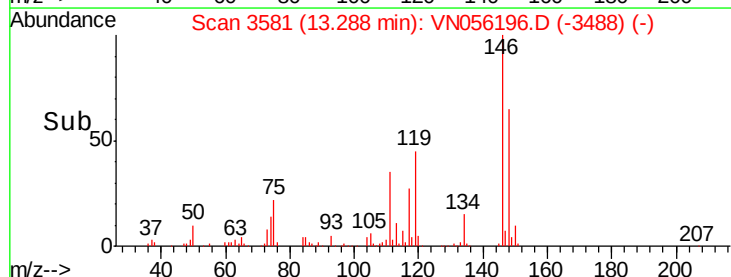
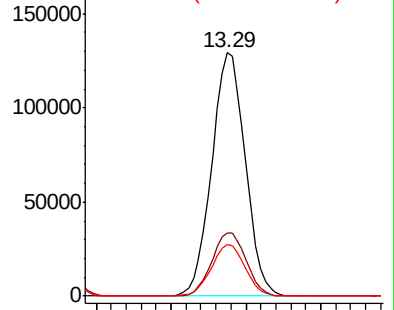
91 21.3 10.9 32.9

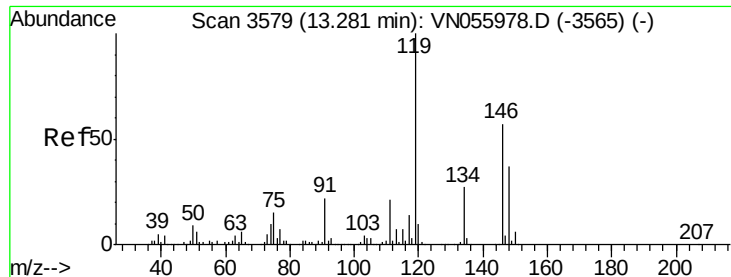


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

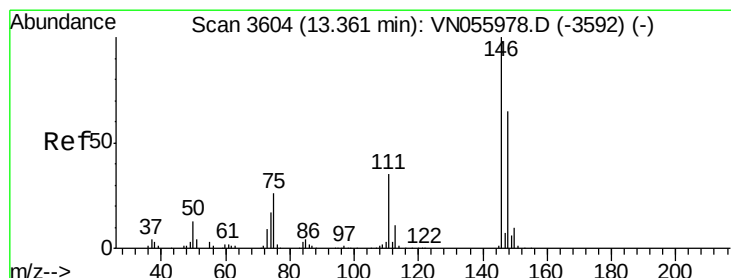
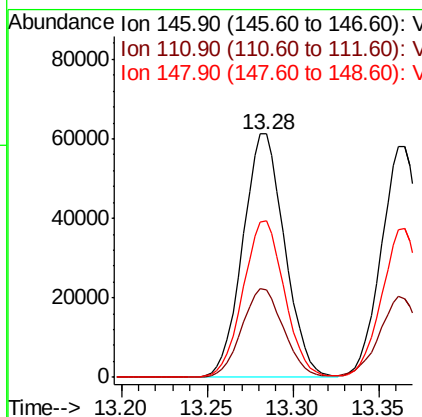
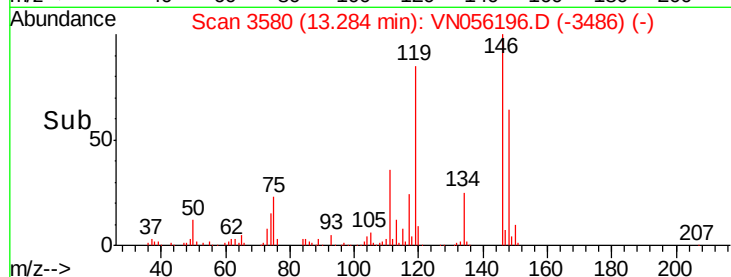
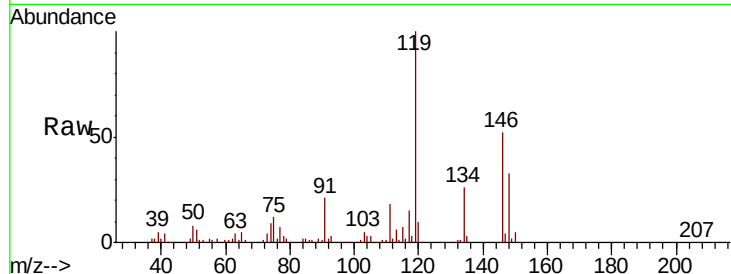




#87
 1,3-Dichlorobenzene
 Concen: 20.643 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

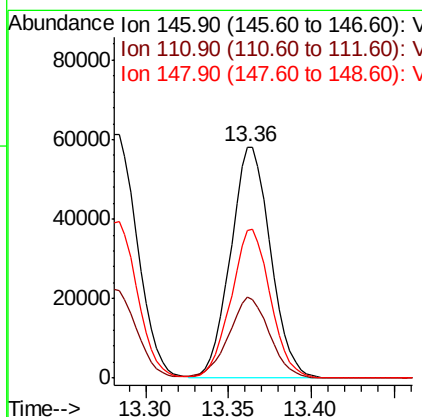
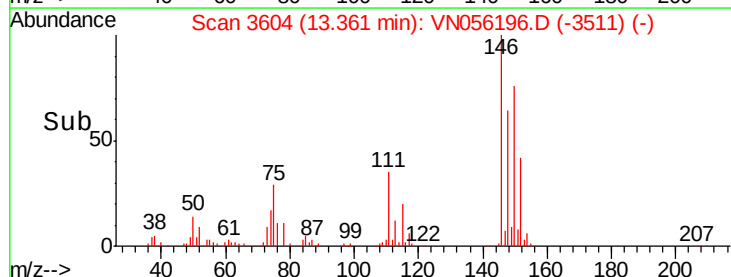
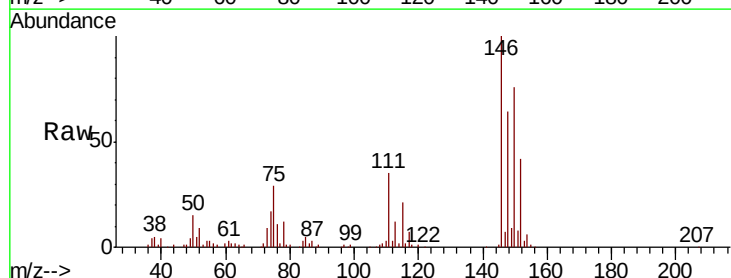
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

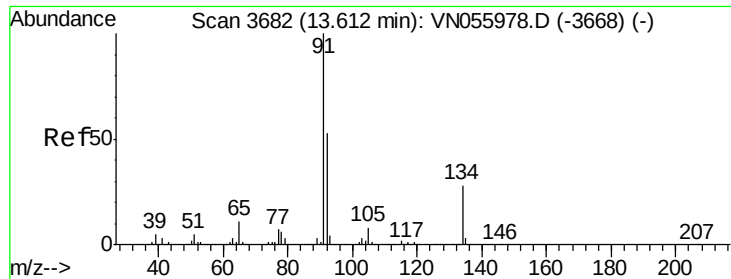
Tot Ion:146 Resp: 103295
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.5 55.5
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.247 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion:146 Resp: 97460
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.4
 148 63.6 32.1 96.5

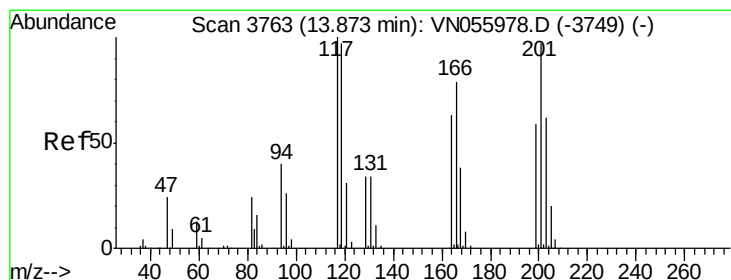
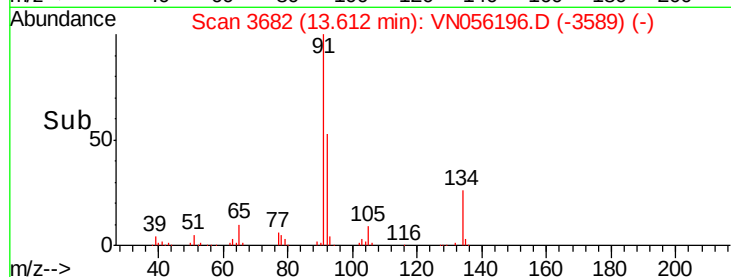
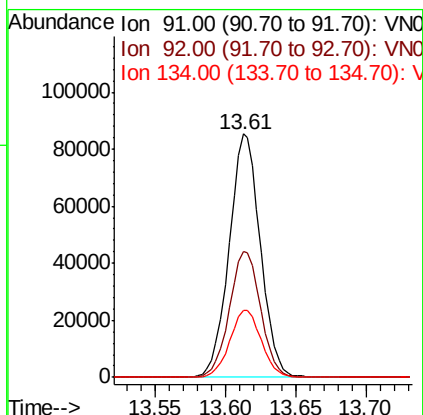
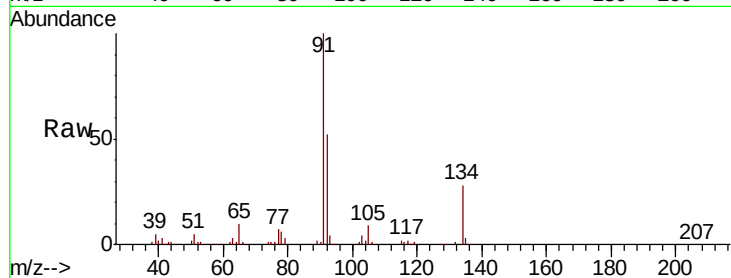




#89
n-Butylbenzene
Concen: 17.564 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

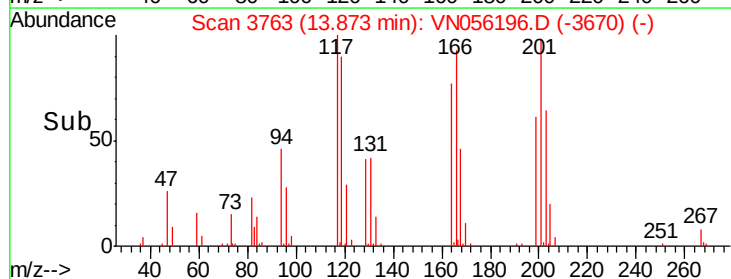
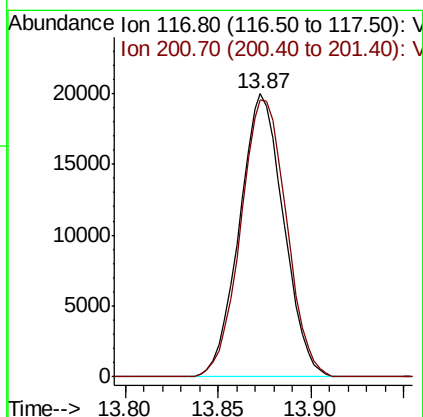
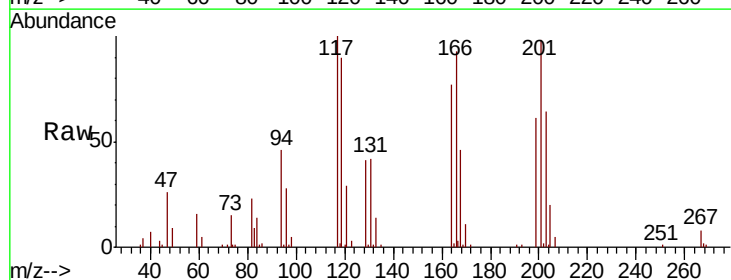
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD02

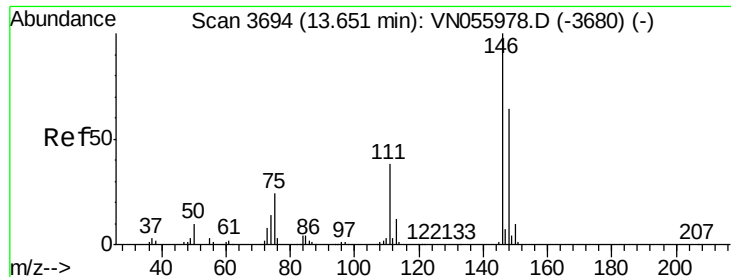
Tot Ion: 91 Resp: 131739
Ion Ratio Lower Upper
91 100
92 51.9 26.4 79.0
134 27.9 13.9 41.7



#90
Hexachloroethane
Concen: 21.562 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056196.D
Acq: 11 Jun 2019 3:30

Tgt Ion: 117 Resp: 32924
Ion Ratio Lower Upper
117 100
201 101.6 50.0 150.0

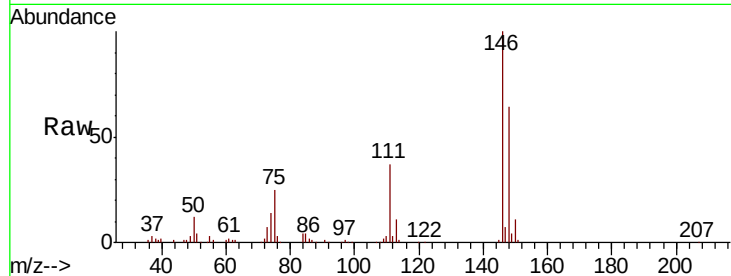




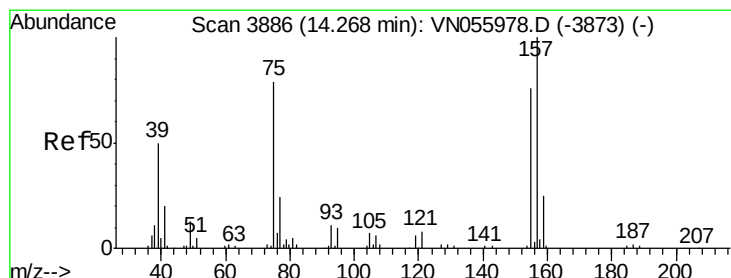
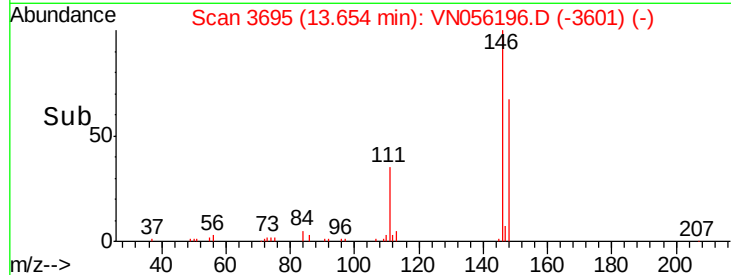
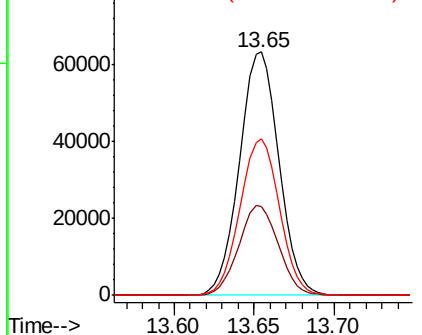
#91
 1,2-Dichlorobenzene
 Concen: 21.083 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.5
148	64.4	31.9	95.9

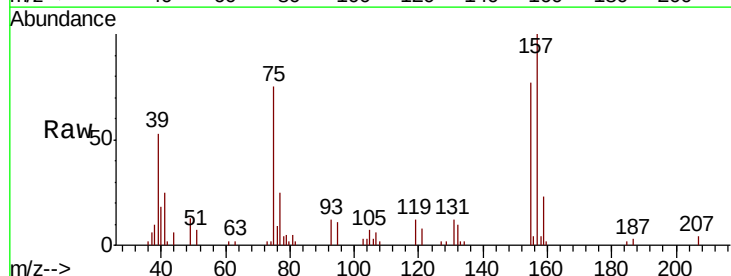


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

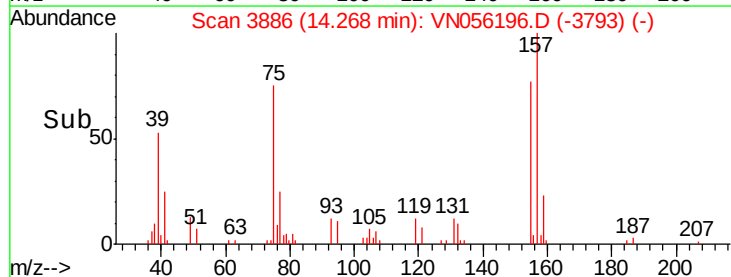
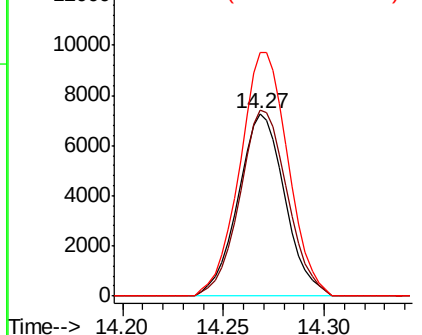


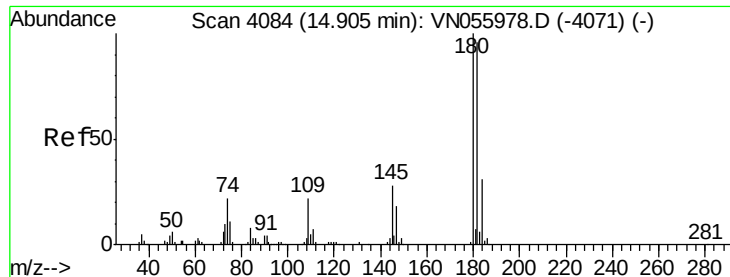
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.498 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056196.D
 Acq: 11 Jun 2019 3:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	50.0	150.1
157	138.0	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: 17.830 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

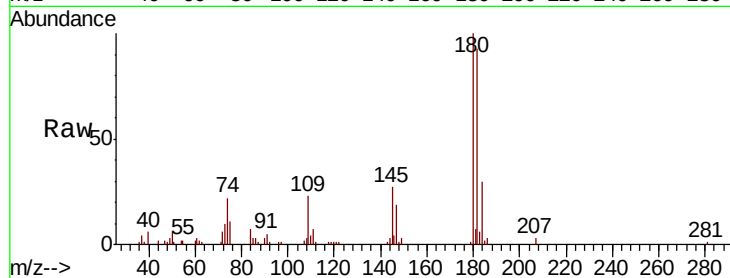
Tot Ion:180 Resp: 41277

Ion Ratio Lower Upper

180 100

182 93.1 48.3 144.9

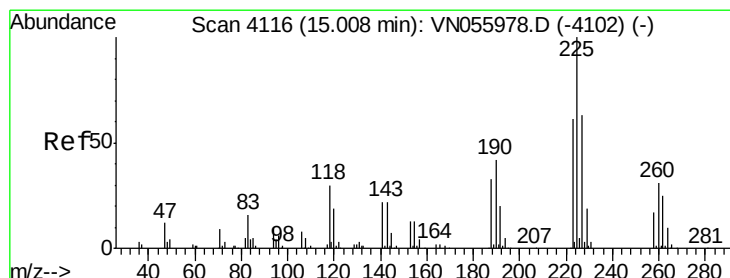
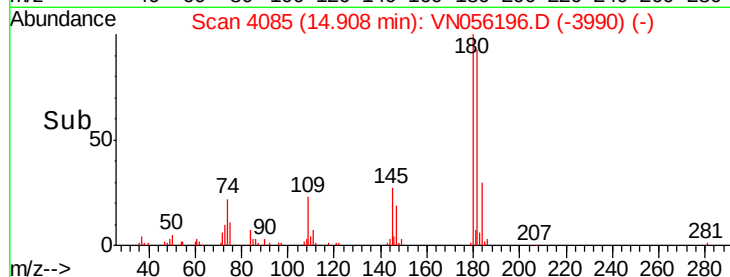
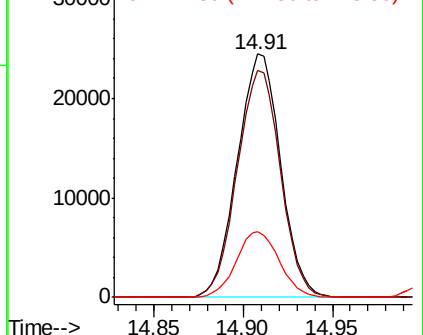
145 26.8 14.0 41.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.533 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

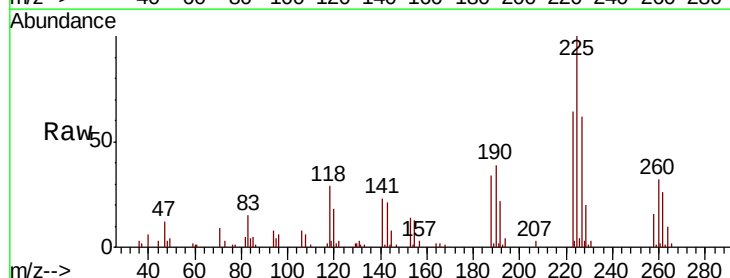
Tgt Ion:225 Resp: 39367

Ion Ratio Lower Upper

225 100

223 63.4 30.9 92.7

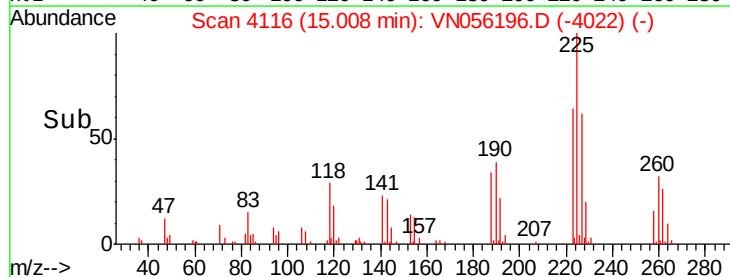
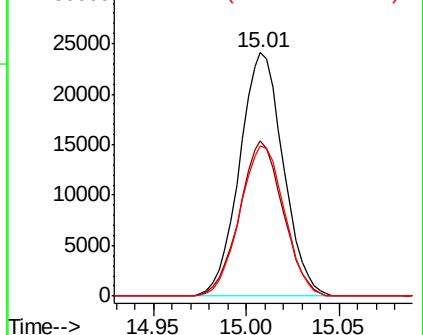
227 63.1 31.6 94.7

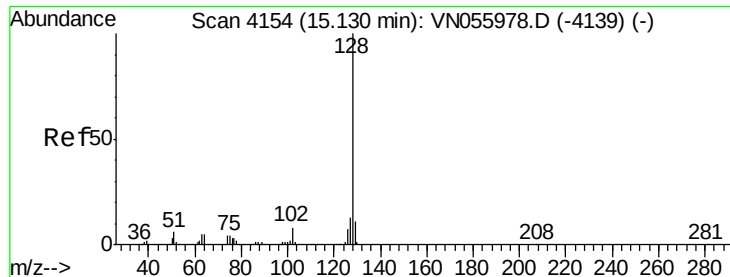


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 33.189 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBSD02

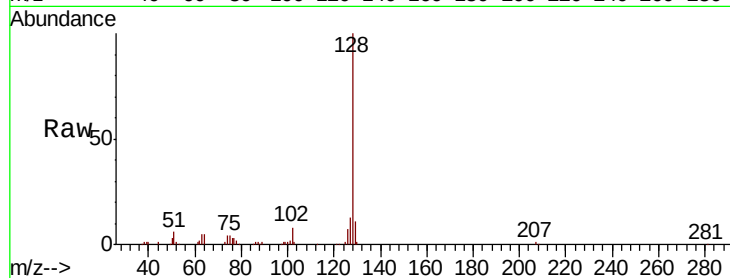
Tot Ion:128 Resp: 229580

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

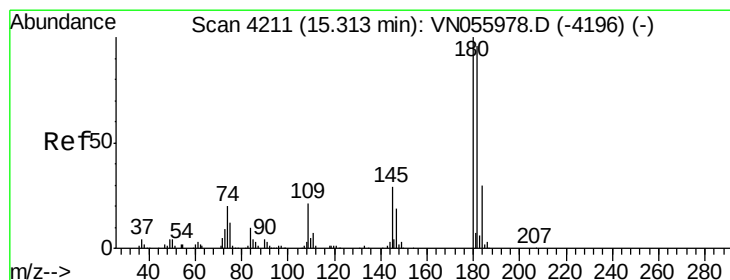
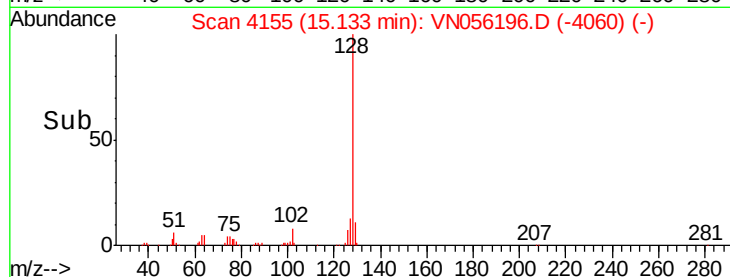
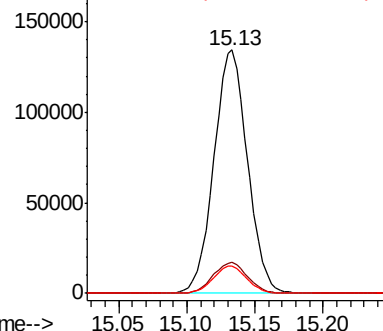
129 11.1 8.7 13.1



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: 19.571 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056196.D

Acq: 11 Jun 2019 3:30

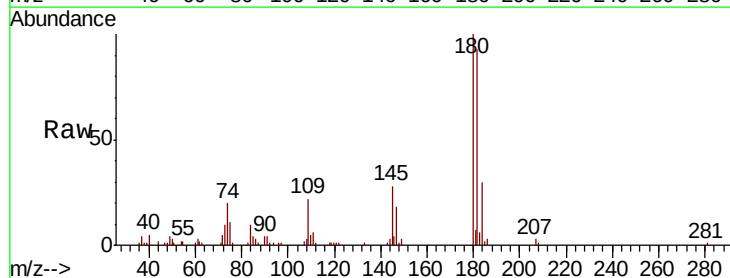
Tgt Ion:180 Resp: 49956

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.7

145 27.7 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

