

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056165.D
 Acq On : 10 Jun 2019 13:17
 Operator : JC/SP
 Sample : VN0610WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Quant Time: Jun 11 02:19:02 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	286885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	422749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	372133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147262	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	145839	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.59	113	131744	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.09	98	486334	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	155959	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	59862	19.213	ug/l	98
3) Chloromethane	2.06	50	63247	20.338	ug/l	98
4) Vinyl Chloride	2.18	62	63261	20.279	ug/l	98
5) Bromomethane	2.53	94	39442	20.016	ug/l	100
6) Chloroethane	2.68	64	35657	19.715	ug/l	100
7) Trichlorofluoromethane	3.00	101	79220	19.893	ug/l	99
8) Diethyl Ether	3.40	74	31595	19.293	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	49640	20.520	ug/l	99
10) Methyl Iodide	3.94	142	69121	17.980	ug/l	99
11) Tert butyl alcohol	4.82	59	46826	94.463	ug/l	99
12) 1,1-Dichloroethene	3.72	96	47471	19.711	ug/l	93
13) Acrolein	3.60	56	11412	79.824	ug/l	97
14) Allyl chloride	4.31	41	75333	19.809	ug/l	98
15) Acrylonitrile	4.99	53	131845	109.262	ug/l	99
16) Acetone	3.82	43	121957	89.519	ug/l	96
17) Carbon Disulfide	4.04	76	102550	17.784	ug/l	99
18) Methyl Acetate	4.33	43	64044	23.627	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	153517	19.998	ug/l	98
20) Methylene Chloride	4.54	84	57739	20.571	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	50700	19.648	ug/l	98
22) Diisopropyl ether	5.95	45	160781	20.452	ug/l	98
23) Vinyl Acetate	5.90	43	624091	100.811	ug/l	99
24) 1,1-Dichloroethane	5.84	63	93578	20.636	ug/l	99
25) 2-Butanone	6.84	43	179900	104.514	ug/l	100
26) 2,2-Dichloropropane	6.82	77	61015	17.243	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	60829	20.054	ug/l	96
28) Bromochloromethane	7.19	49	46386	21.631	ug/l	100
29) Tetrahydrofuran	7.22	42	115412	108.469	ug/l	99
30) Chloroform	7.37	83	95677	20.974	ug/l	98
31) Cyclohexane	7.65	56	85547	18.926	ug/l	# 94
32) 1,1,1-Trichloroethane	7.57	97	78321	20.560	ug/l	99
36) 1,1-Dichloropropene	7.79	75	67506	18.571	ug/l	98
37) Ethyl Acetate	6.93	43	69713	21.554	ug/l	99
38) Carbon Tetrachloride	7.77	117	65190	19.452	ug/l	99

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Quant Time: Jun 11 02:19:02 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	80333	17.740	ug/l	99
40) Benzene	8.04	78	218906	19.828	ug/l	98
41) Methacrylonitrile	7.17	41	31716	21.313	ug/l	94
42) 1,2-Dichloroethane	8.12	62	70338	19.806	ug/l	99
43) Isopropyl Acetate	8.17	43	104255	19.892	ug/l #	92
44) Trichloroethene	8.83	130	64126	20.213	ug/l	99
45) 1,2-Dichloropropane	9.12	63	58138	20.558	ug/l	98
46) Dibromomethane	9.21	93	38191	20.652	ug/l	98
47) Bromodichloromethane	9.40	83	69513	20.740	ug/l	98
48) Methyl methacrylate	9.20	41	53084	20.703	ug/l	97
49) 1,4-Dioxane	9.20	88	22035	398.061	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	341478	104.188	ug/l	100
52) Toluene	10.16	92	138823	20.207	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	65480	18.262	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	79546	19.745	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	56169	20.640	ug/l	98
56) Ethyl methacrylate	10.43	69	78617	19.802	ug/l	99
57) 1,3-Dichloropropane	10.71	76	89052	20.130	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	129586	92.300	ug/l	100
59) 2-Hexanone	10.75	43	236724	99.653	ug/l	99
60) Dibromochloromethane	10.90	129	55128	19.919	ug/l	99
61) 1,2-Dibromoethane	11.00	107	57085	20.519	ug/l	98
64) Tetrachloroethene	10.63	164	64477	20.016	ug/l	96
65) Chlorobenzene	11.43	112	146337	19.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	54034	21.130	ug/l	99
67) Ethyl Benzene	11.51	91	248568	19.301	ug/l	99
68) m/p-Xylenes	11.62	106	189360	38.491	ug/l	99
69) o-Xylene	11.95	106	93845	19.393	ug/l	100
70) Styrene	11.96	104	149930	19.500	ug/l	99
71) Bromoform	12.13	173	38430	19.660	ug/l #	99
73) Isopropylbenzene	12.25	105	246586	22.143	ug/l	100
74) N-amyl acetate	12.07	43	80368	20.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	75014	21.943	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	85658	31.612	ug/l #	100
77) Bromobenzene	12.53	156	65414	20.748	ug/l	96
78) n-propylbenzene	12.59	91	249680	20.041	ug/l	99
79) 2-Chlorotoluene	12.67	91	158433	21.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	200264	20.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	14924	18.342	ug/l #	80
82) 4-Chlorotoluene	12.77	91	144824	19.870	ug/l	99
83) tert-Butylbenzene	12.99	119	182532	22.246	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	190424	20.281	ug/l	98
85) sec-Butylbenzene	13.17	105	224419	20.341	ug/l	100
86) p-Isopropyltoluene	13.29	119	196400	19.890	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	96604	19.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	90643	19.310	ug/l	99
89) n-Butylbenzene	13.61	91	131621	17.994	ug/l	99
90) Hexachloroethane	13.87	117	32465	21.802	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	100289	20.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11064	22.627	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

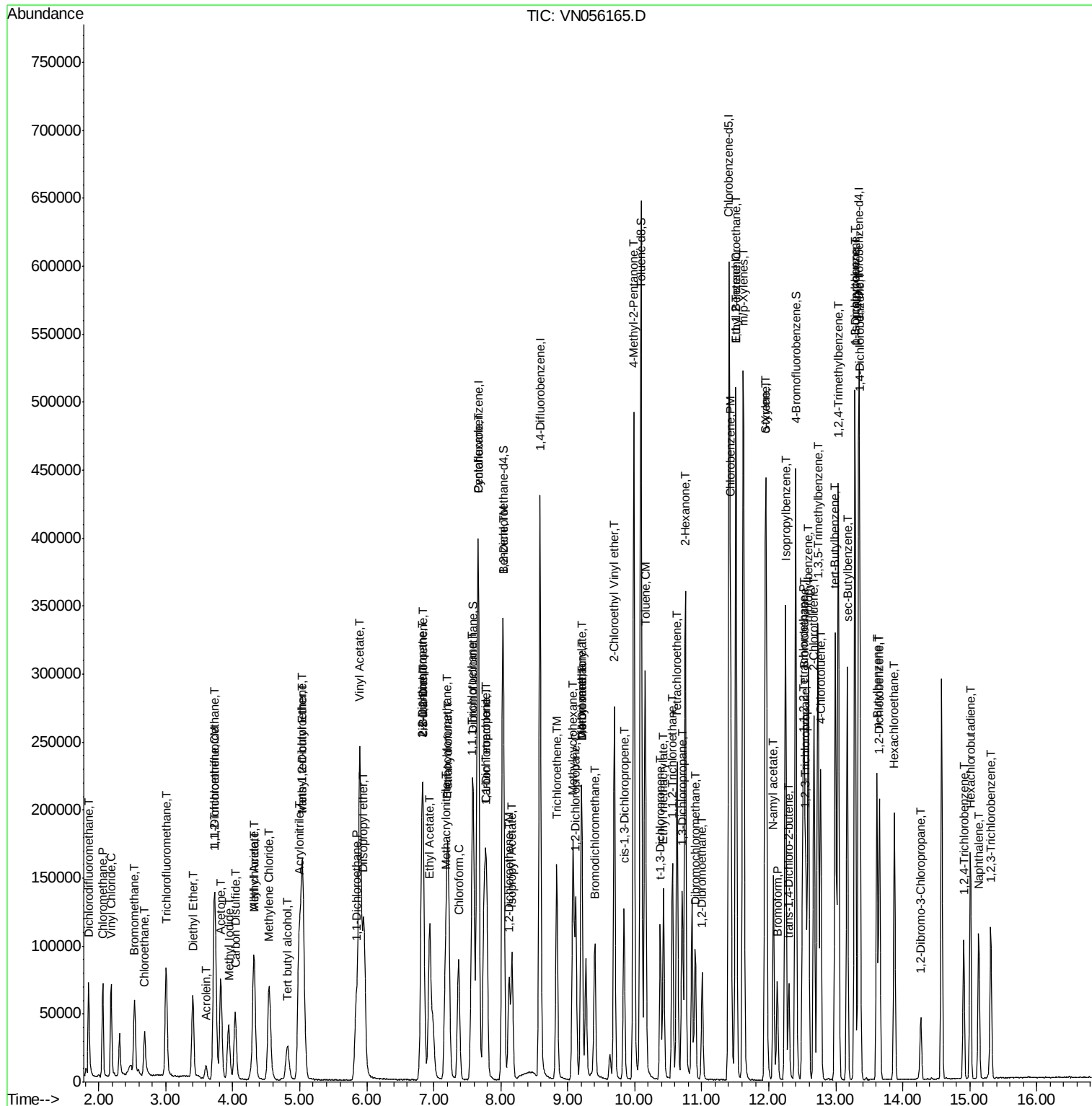
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37043	16.749	ug/l	97
94) Hexachlorobutadiene	15.01	225	37851	21.200	ug/l	98
95) Naphthalene	15.13	128	100016	16.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44493	18.137	ug/l	98

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

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Quant Time: Jun 11 02:19:02 2019
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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

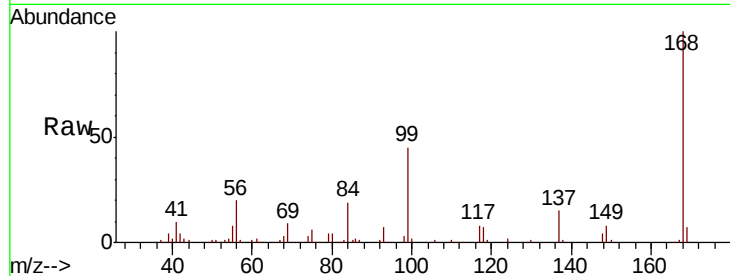
VN0610WBS01

Tot Ion:168 Resp: 286885

Ion Ratio Lower Upper

168 100

99 44.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

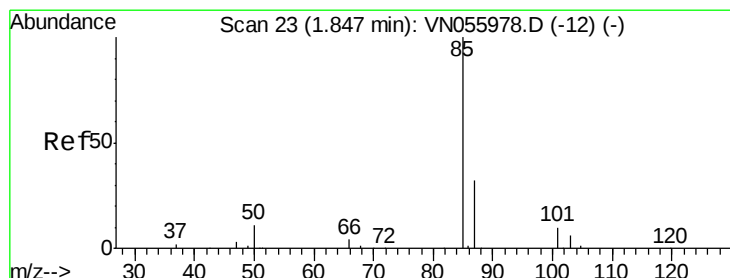
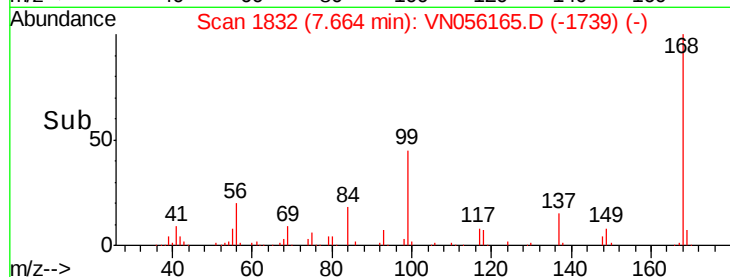
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.213 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056165.D

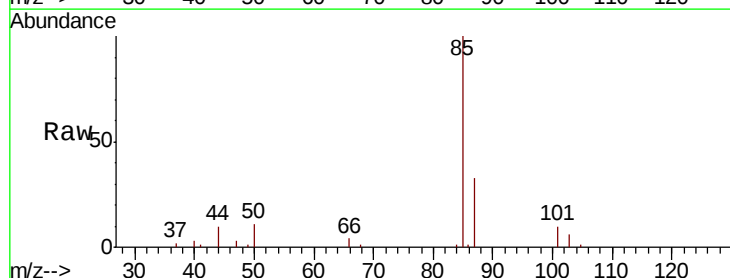
Acq: 10 Jun 2019 13:17

Tgt Ion: 85 Resp: 59862

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

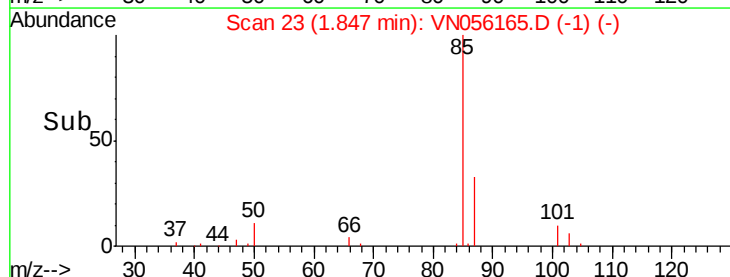
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20000

10000

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Time-->





#3

Chloromethane

Concen: 20.338 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

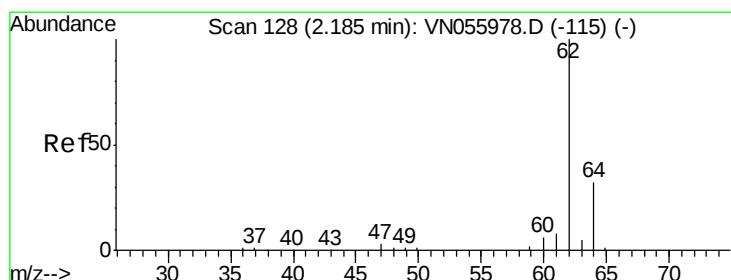
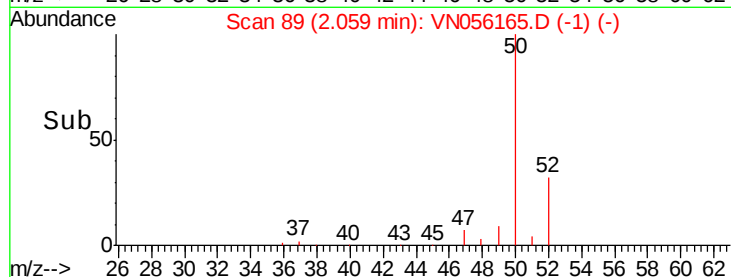
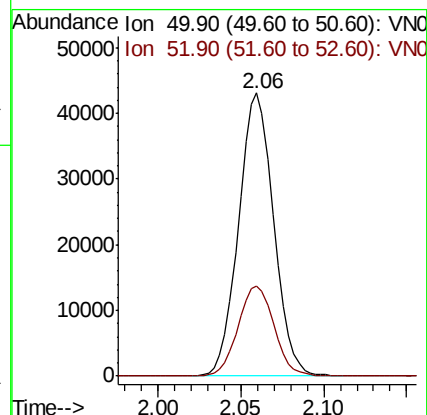
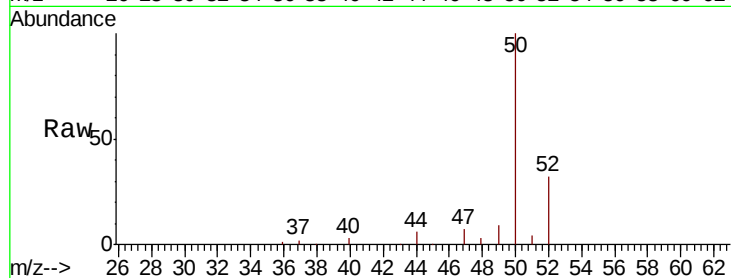
VN0610WBS01

Tot Ion: 50 Resp: 63247

Ion Ratio Lower Upper

50 100

52 32.0 26.6 40.0



#4

Vinyl Chloride

Concen: 20.279 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056165.D

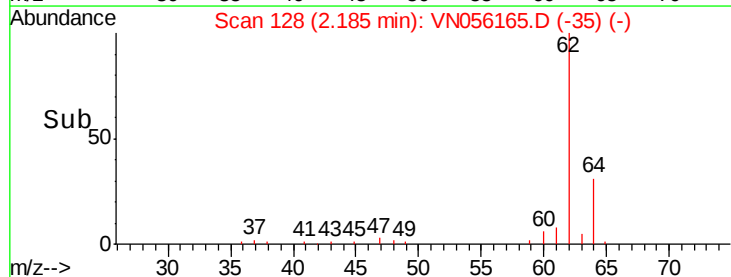
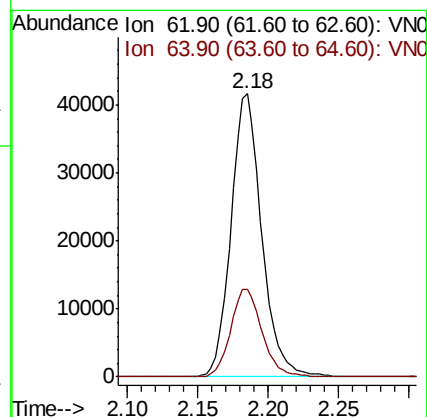
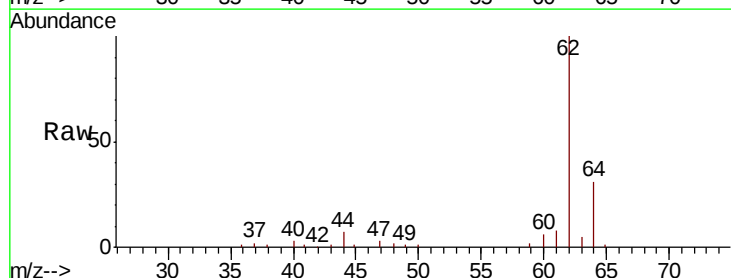
Acq: 10 Jun 2019 13:17

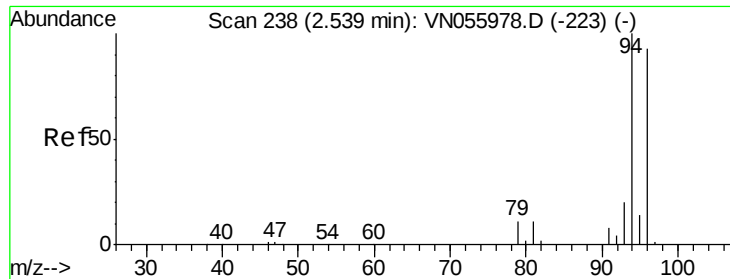
Tgt Ion: 62 Resp: 63261

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4

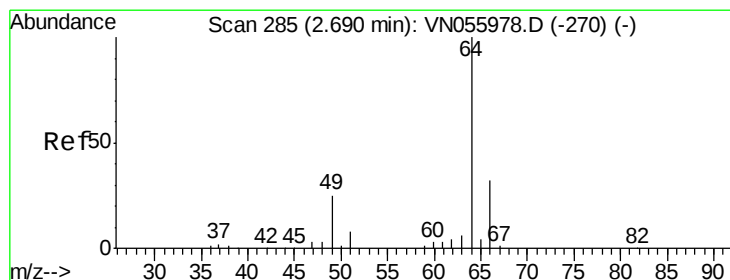
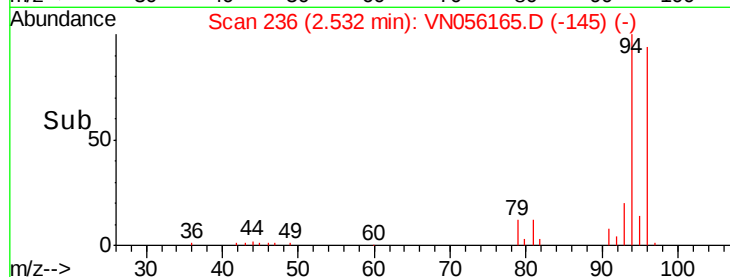
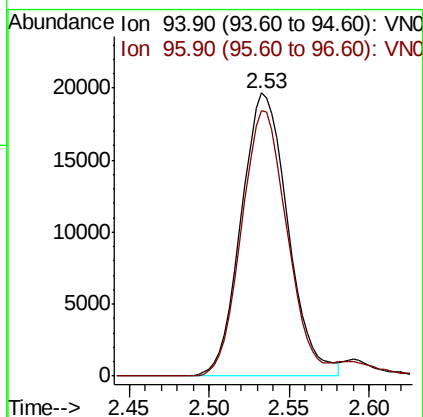
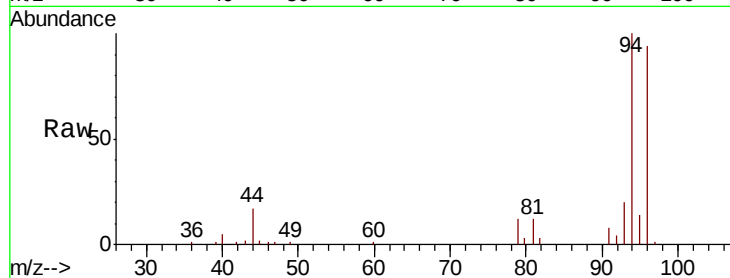




#5
Bromomethane
Concen: 20.016 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

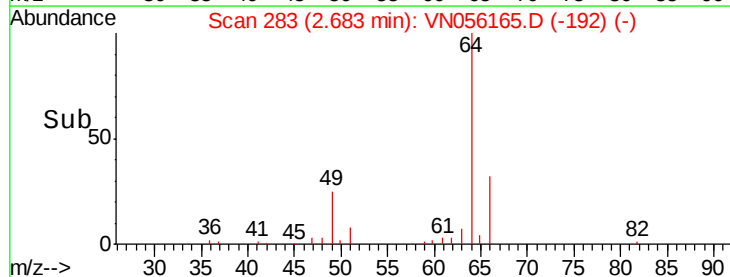
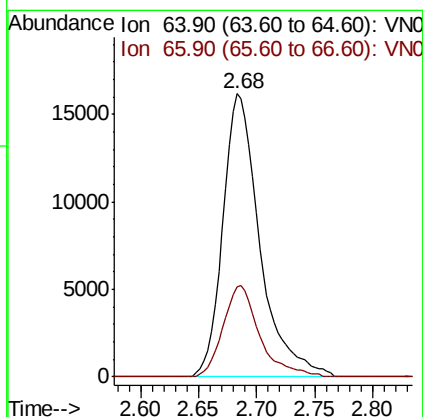
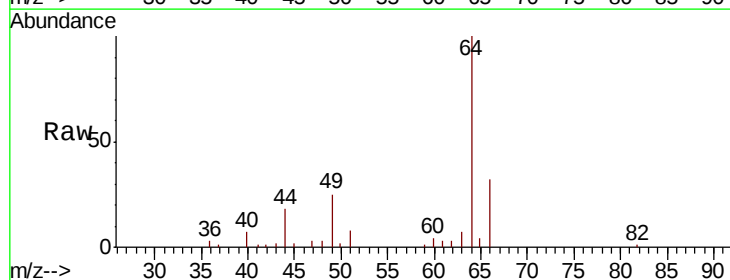
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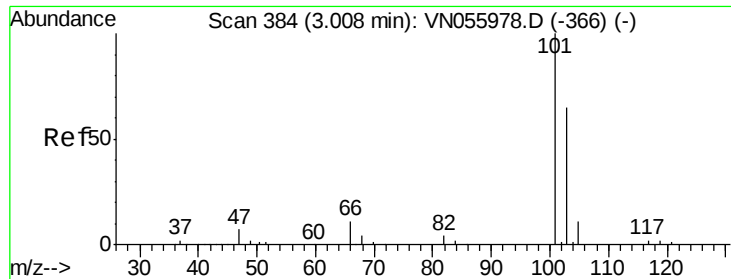
Tot Ion: 94 Resp: 39442
Ion Ratio Lower Upper
94 100
96 93.9 75.5 113.3



#6
Chloroethane
Concen: 19.715 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 64 Resp: 35657
Ion Ratio Lower Upper
64 100
66 31.9 25.4 38.0



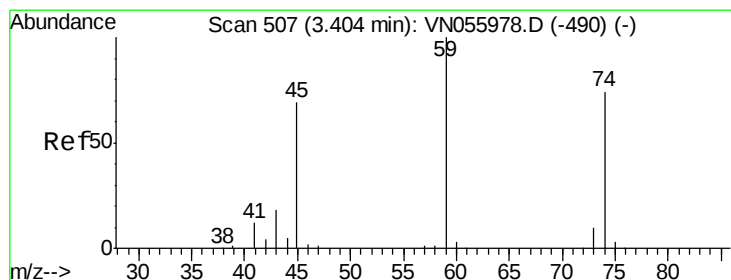
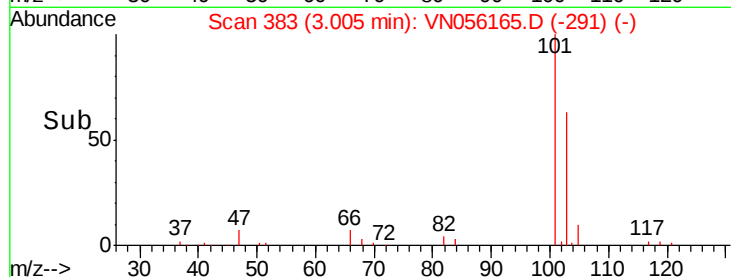
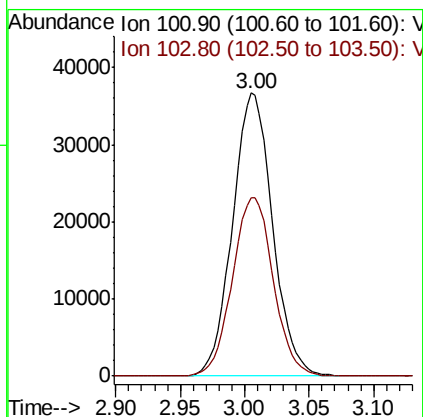
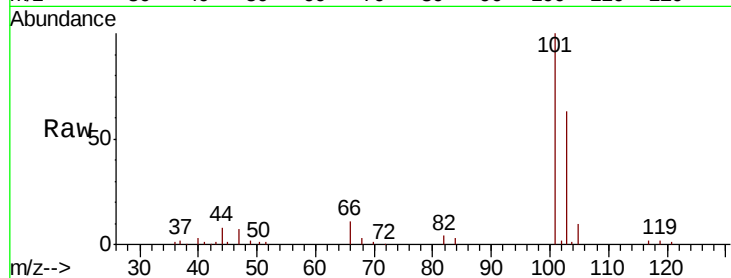


#7

Trichlorofluoromethane
 Concen: 19.893 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
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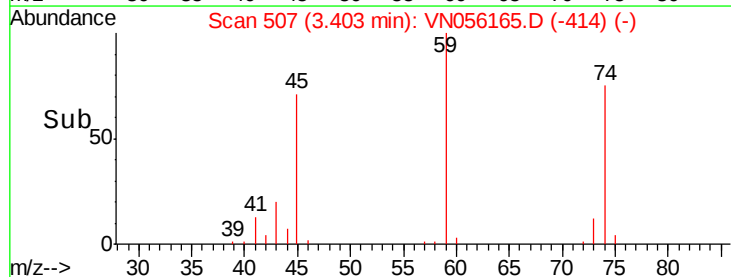
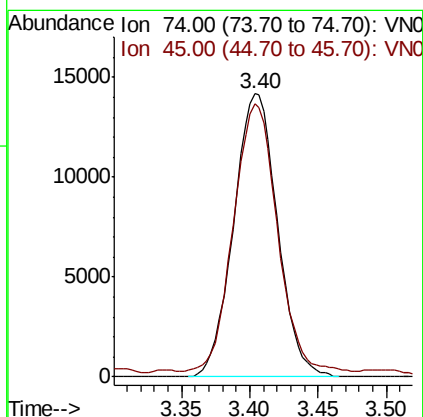
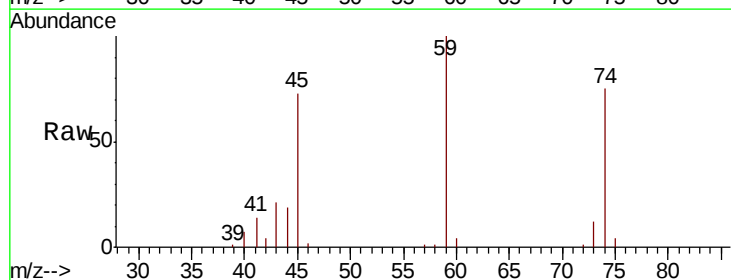
Tot Ion:101 Resp: 79220
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.2 76.8

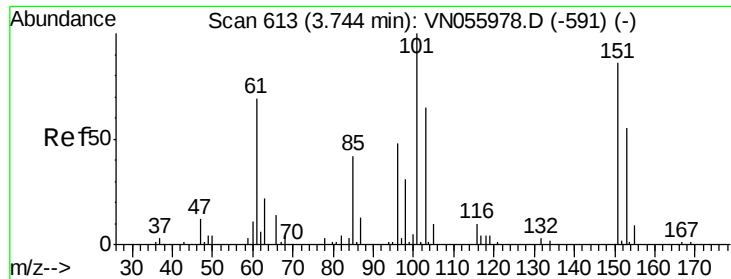


#8

Diethyl Ether
 Concen: 19.293 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 74 Resp: 31595
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.520 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

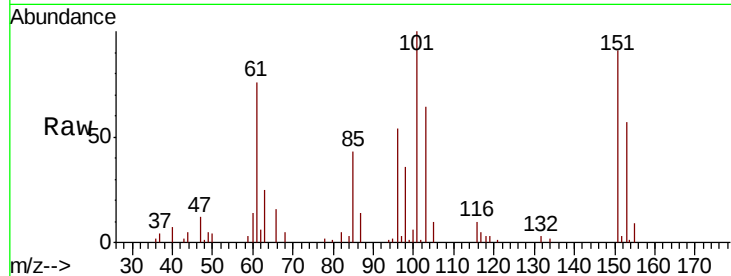
Tot Ion:101 Resp: 49640

Ion Ratio Lower Upper

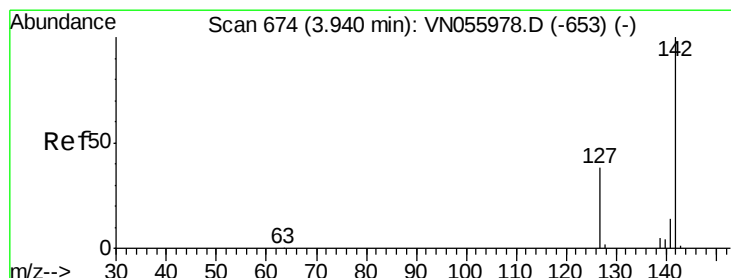
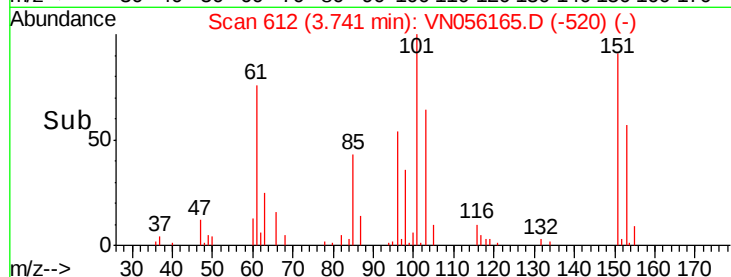
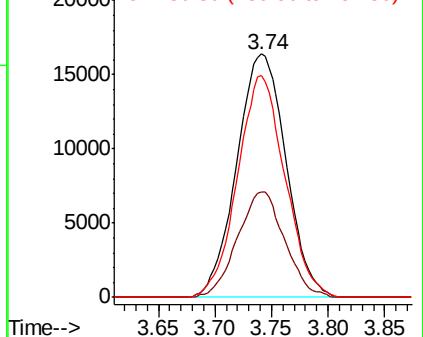
101 100

85 41.5 33.4 50.2

151 87.6 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.980 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

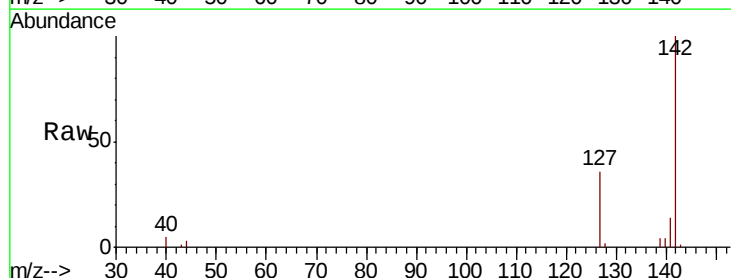
Tgt Ion:142 Resp: 69121

Ion Ratio Lower Upper

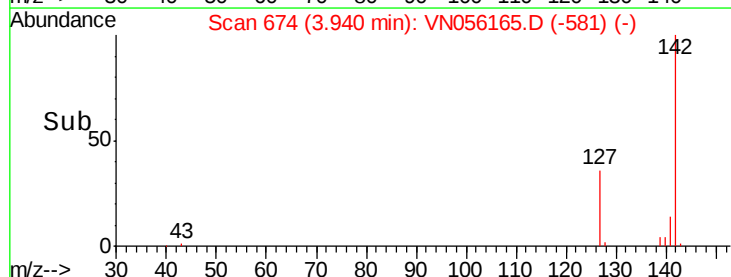
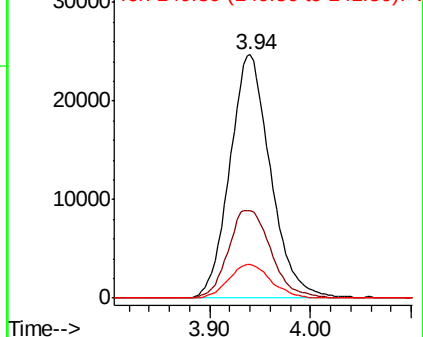
142 100

127 38.0 31.0 46.4

141 14.3 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



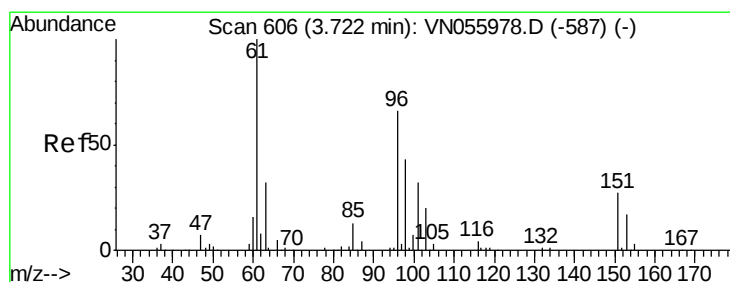
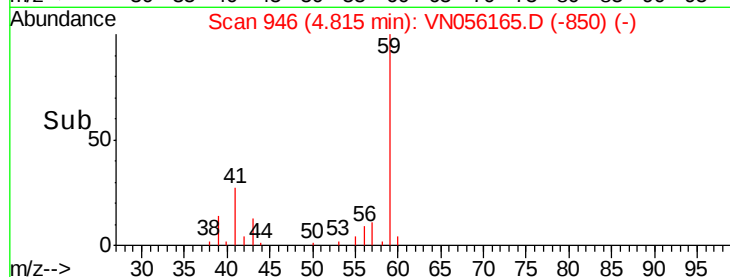
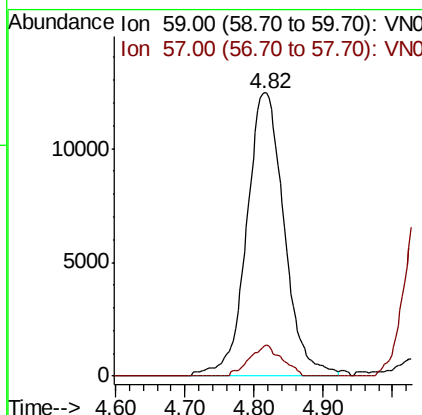
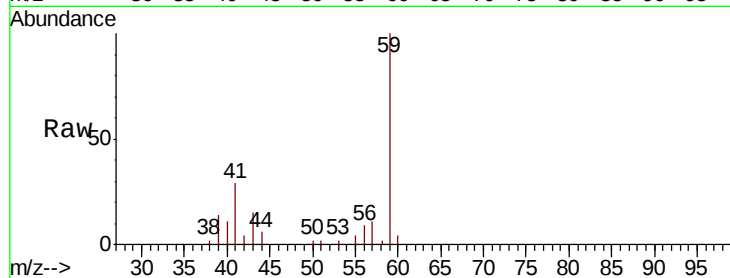


#11

Tert butyl alcohol
 Concen: 94.463 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0610WBS01

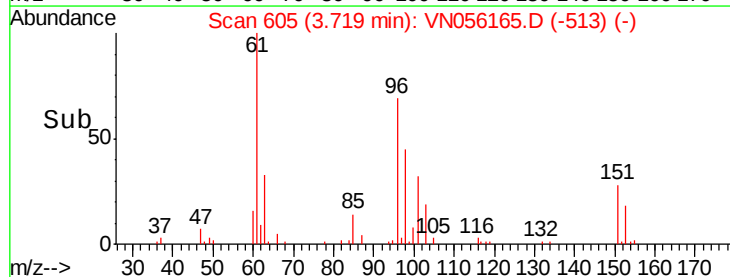
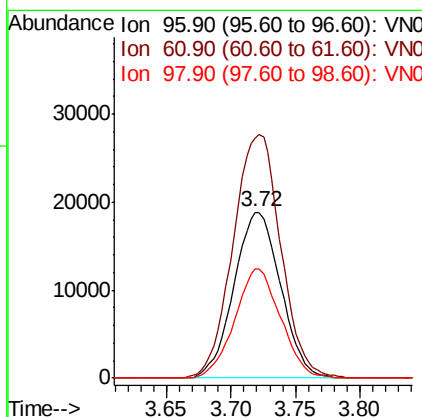
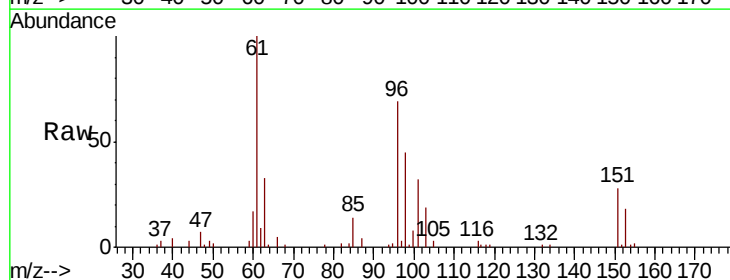
Tot Ion: 59 Resp: 46826
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.8 11.6

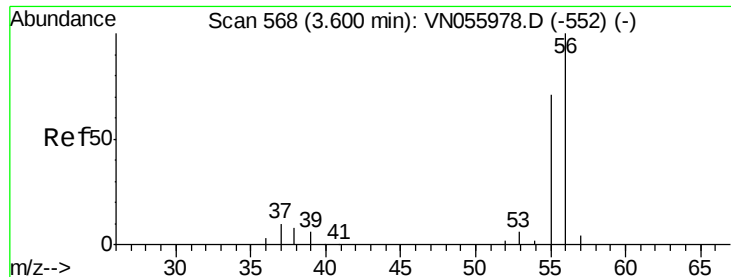


#12

1,1-Dichloroethene
 Concen: 19.711 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 96 Resp: 47471
 Ion Ratio Lower Upper
 96 100
 61 143.8 123.2 184.8
 98 65.5 50.4 75.6





#13

Acrolein

Concen: 79.824 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

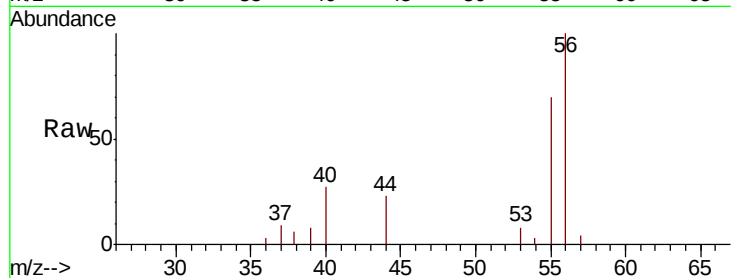
VN0610WBS01

Tot Ion: 56 Resp: 11412

Ion Ratio Lower Upper

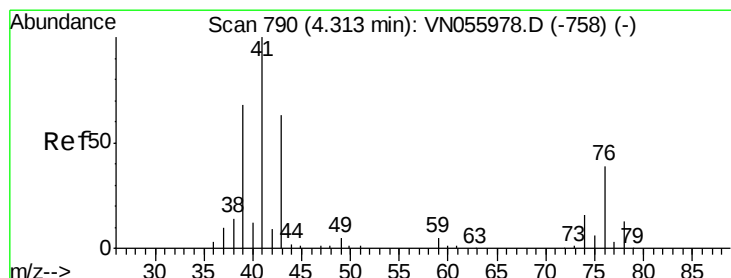
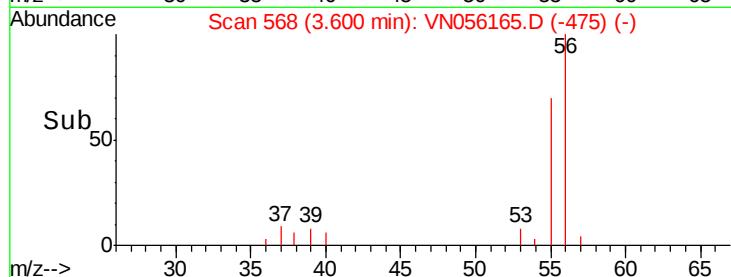
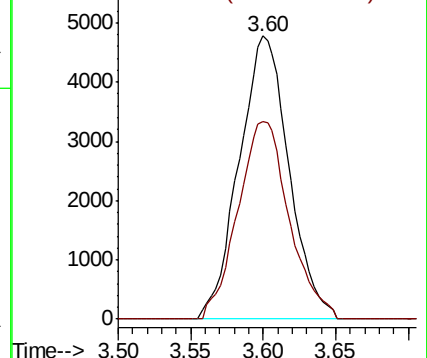
56 100

55 72.0 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.809 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

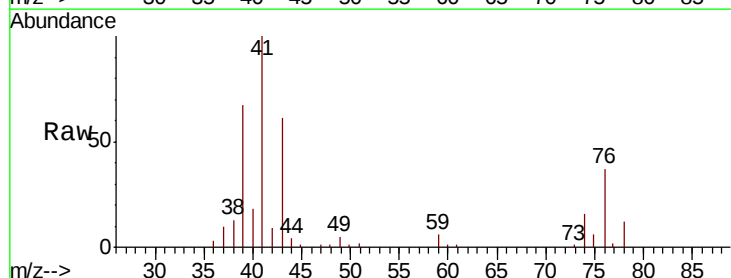
Tgt Ion: 41 Resp: 75333

Ion Ratio Lower Upper

41 100

39 61.3 50.0 75.0

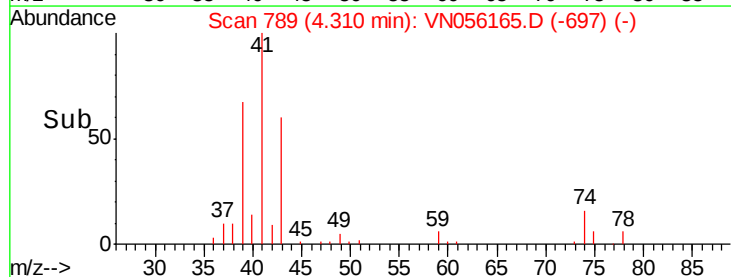
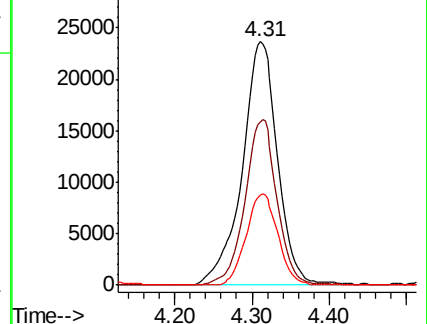
76 33.6 28.2 42.2

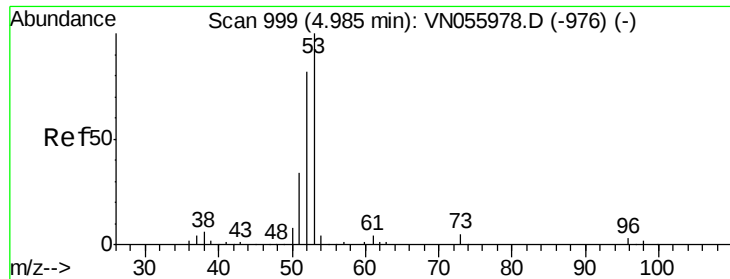


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 109.262 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

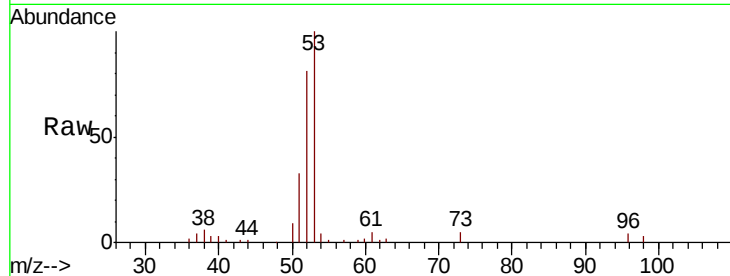
Tot Ion: 53 Resp: 131845

Ion Ratio Lower Upper

53 100

52 83.7 65.8 98.8

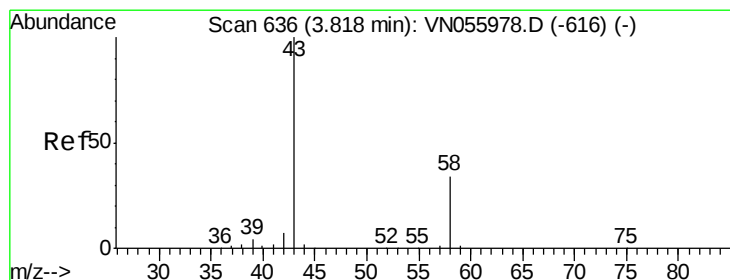
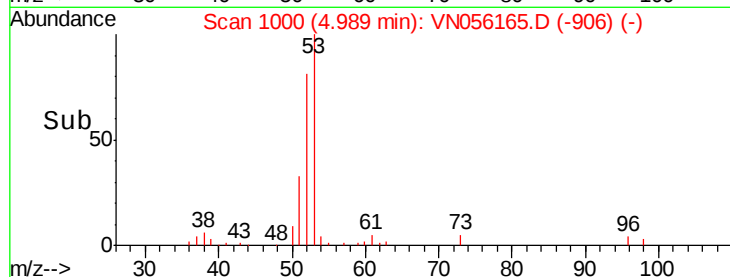
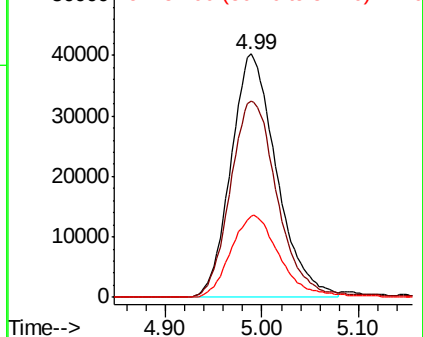
51 35.8 28.2 42.4



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: 89.519 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056165.D

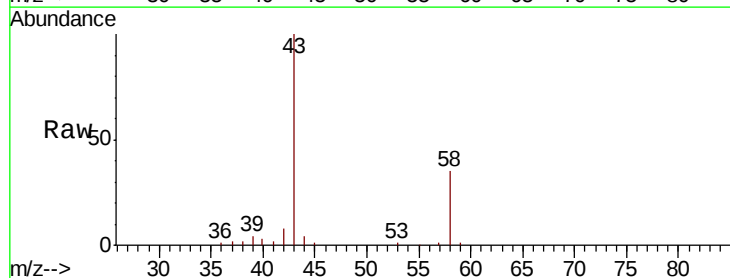
Acq: 10 Jun 2019 13:17

Tgt Ion: 43 Resp: 121957

Ion Ratio Lower Upper

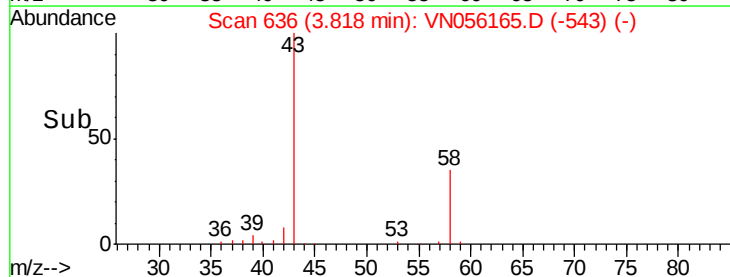
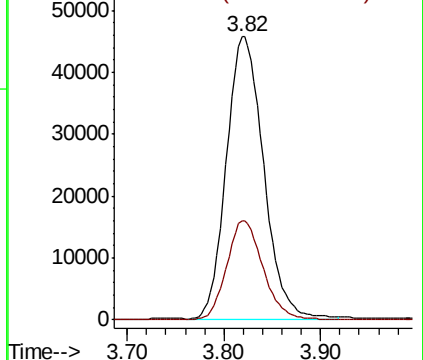
43 100

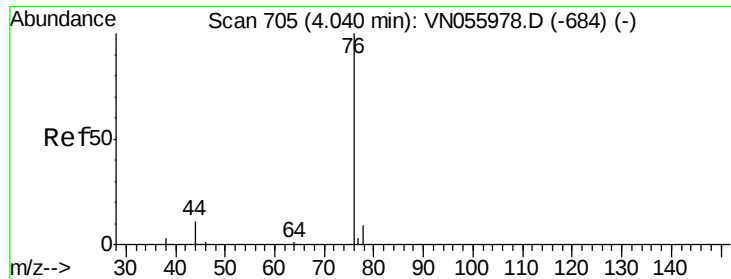
58 35.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

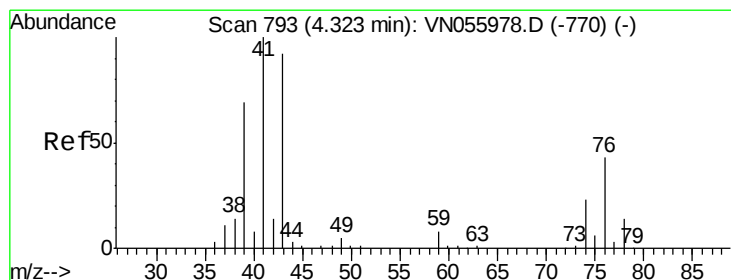
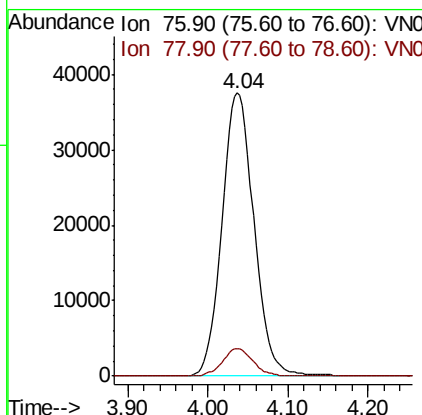
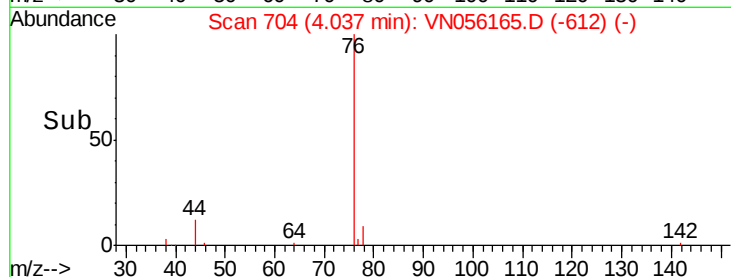
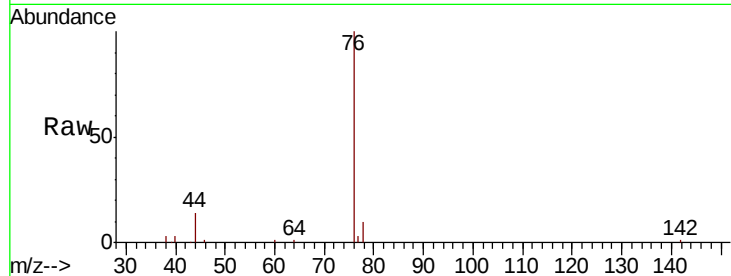




#17
Carbon Disulfide
Concen: 17.784 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

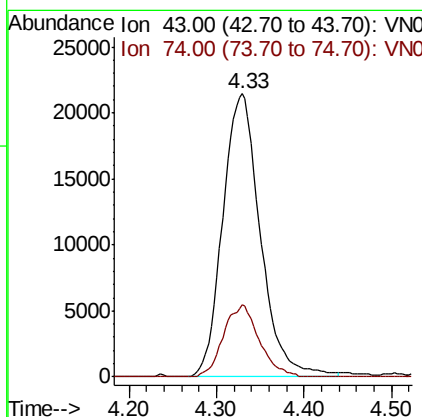
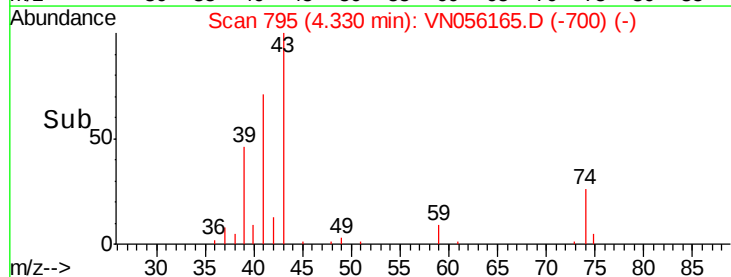
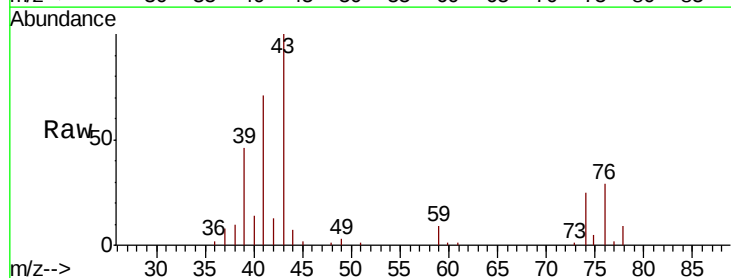
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

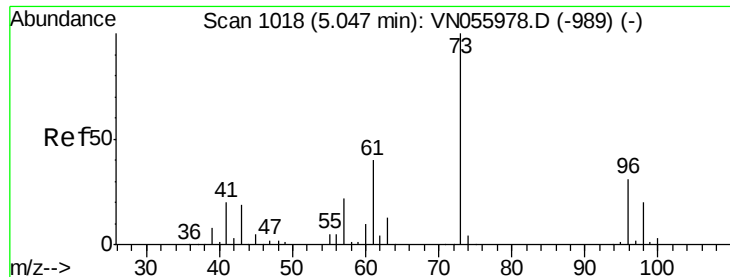
Tot Ion: 76 Resp: 102550
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2



#18
Methyl Acetate
Concen: 23.627 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 43 Resp: 64044
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9

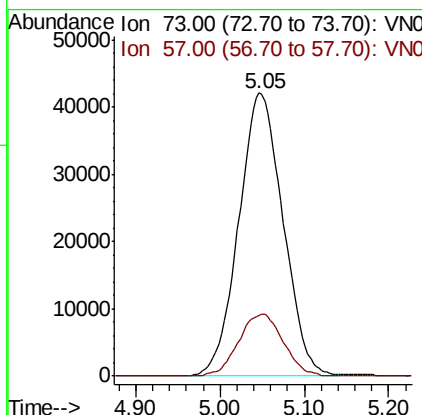
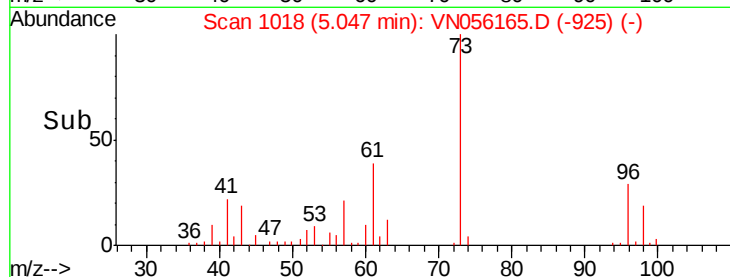
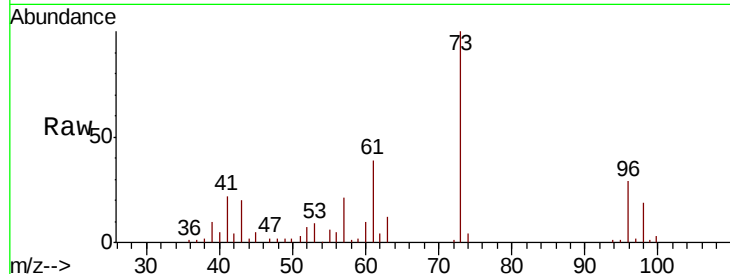




#19
Methvl tert-butvl Ether
Concen: 19.998 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

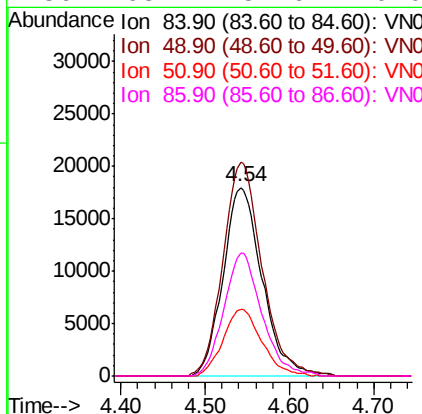
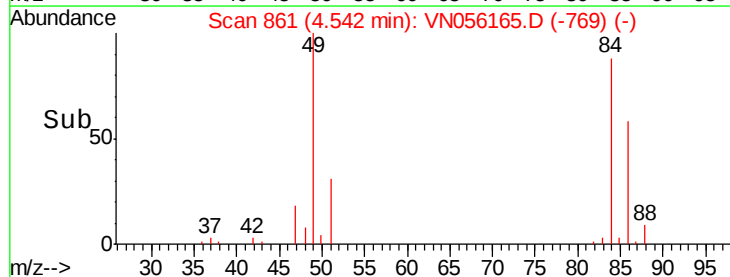
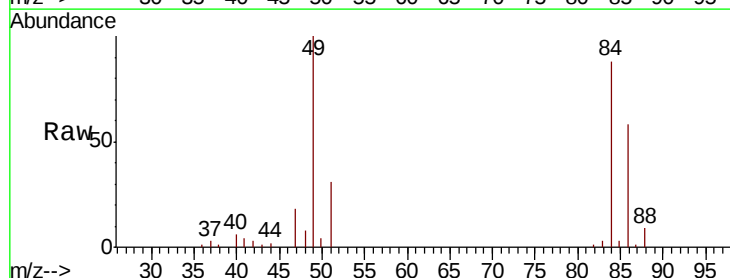
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

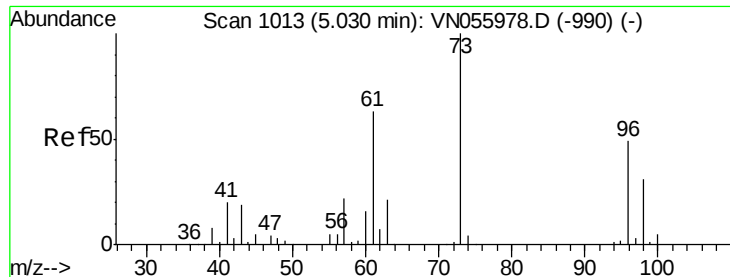
Tot Ion: 73 Resp: 153517
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8



#20
Methylene Chloride
Concen: 20.571 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 84 Resp: 57739
Ion Ratio Lower Upper
84 100
49 113.1 93.5 140.3
51 35.2 28.6 43.0
86 65.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.648 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

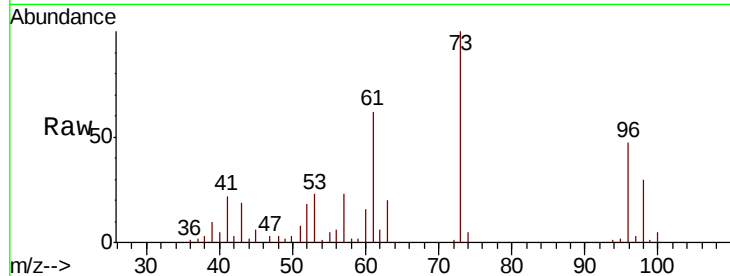
Tot Ion: 96 Resp: 50700

Ion Ratio Lower Upper

96 100

61 132.0 107.8 161.8

98 63.3 49.8 74.8

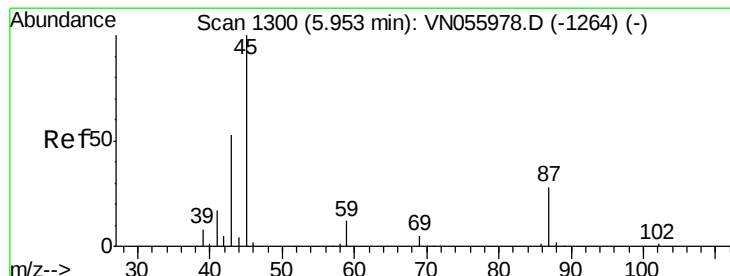
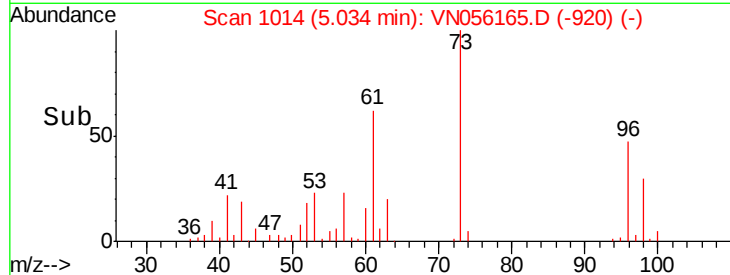
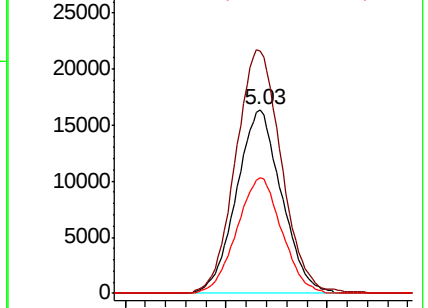


Abundance

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: 20.452 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Tgt Ion: 45 Resp: 160781

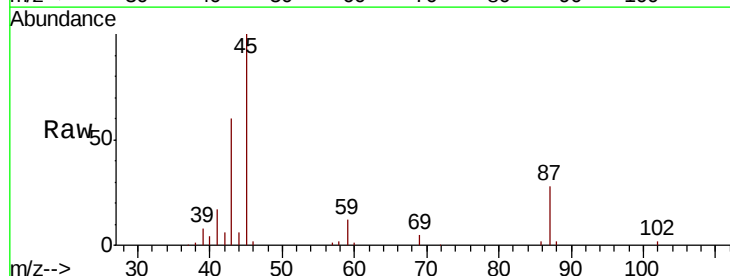
Ion Ratio Lower Upper

45 100

43 58.2 45.0 67.6

87 27.8 22.2 33.4

59 11.8 9.1 13.7



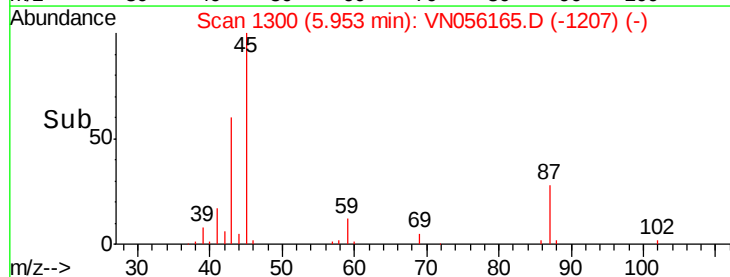
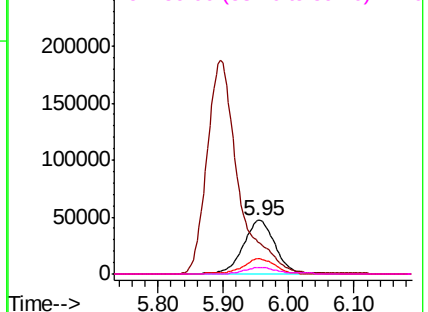
Abundance

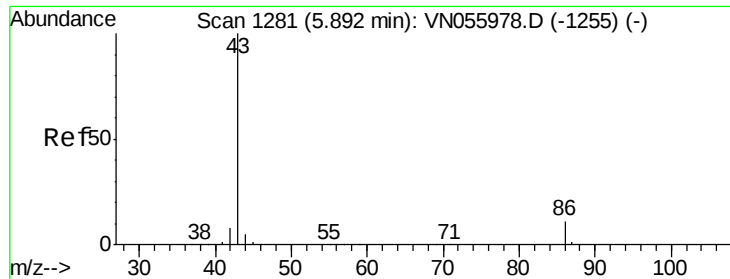
Ion 45.00 (44.70 to 45.70): VN0

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: 100.811 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

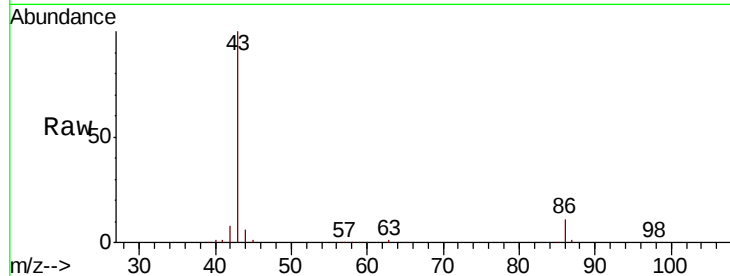
VN0610WBS01

Tot Ion: 43 Resp: 624091

Ion Ratio Lower Upper

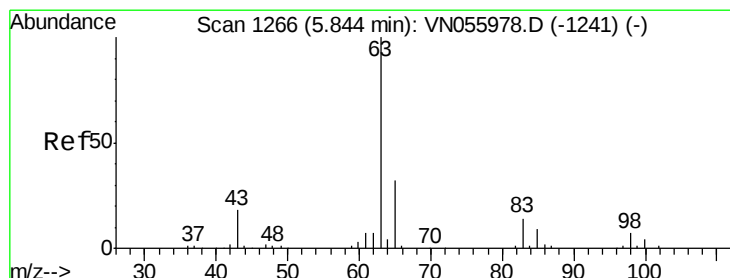
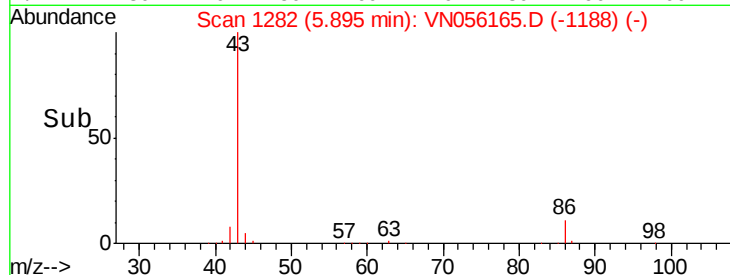
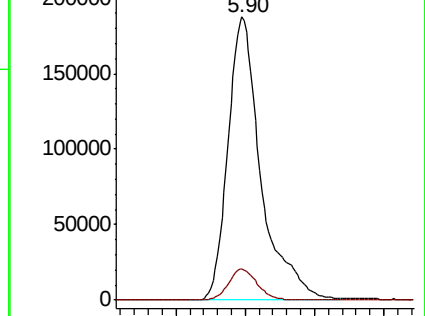
43 100

86 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.636 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

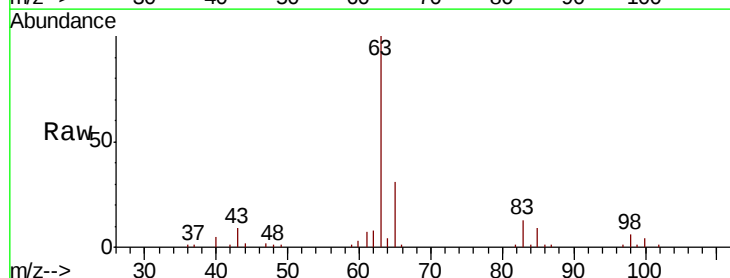
Tgt Ion: 63 Resp: 93578

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

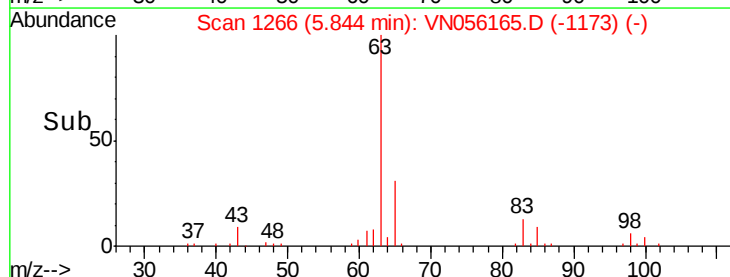
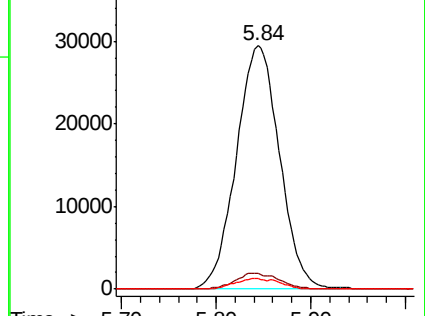
100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

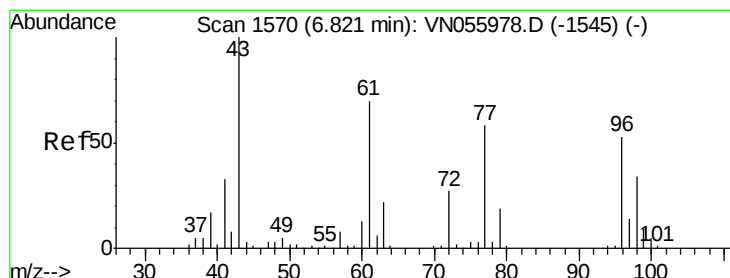
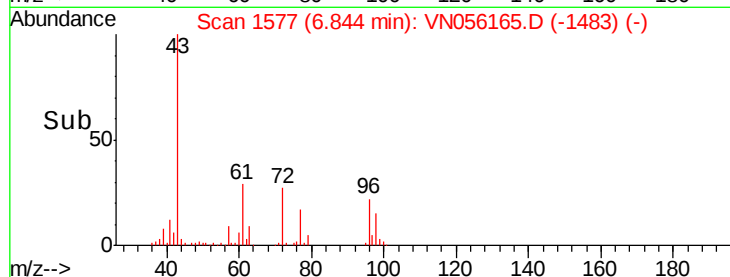
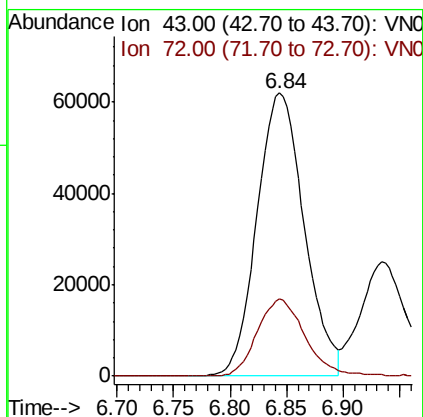
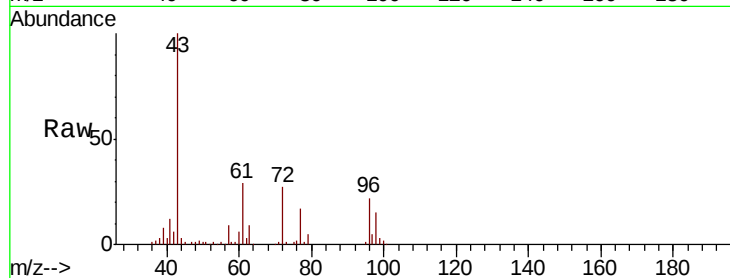




#25
2-Butanone
Concen: 104.514 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

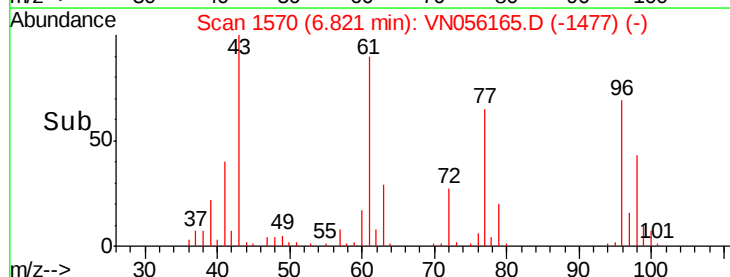
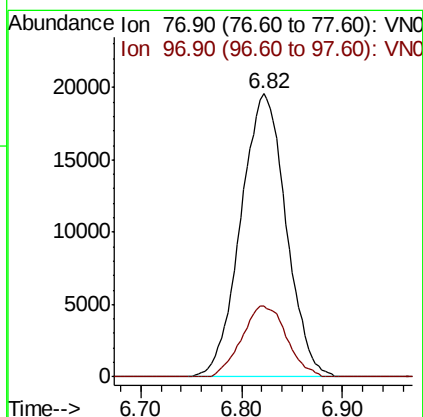
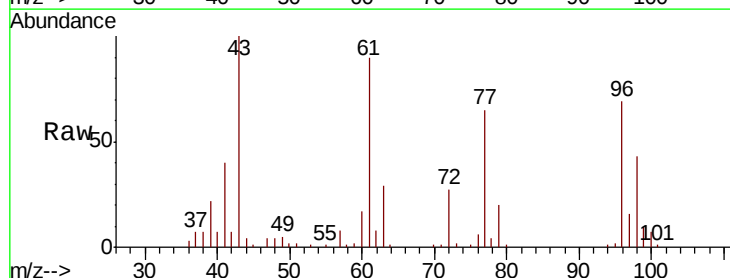
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

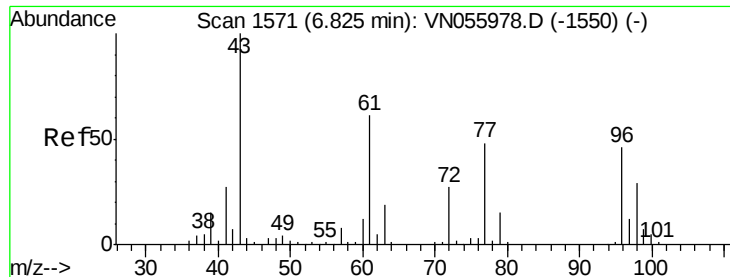
Tot Ion: 43 Resp: 179900
Ion Ratio Lower Upper
43 100
72 27.2 21.9 32.9



#26
2,2-Dichloropropane
Concen: 17.243 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 77 Resp: 61015
Ion Ratio Lower Upper
77 100
97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.054 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

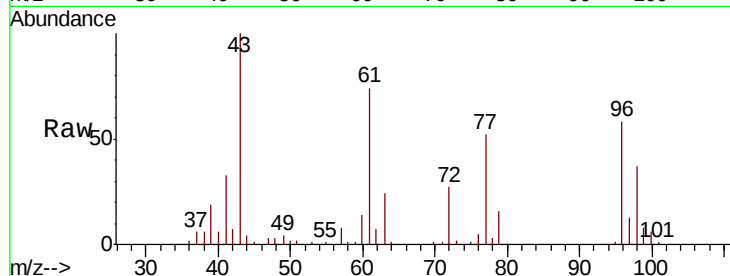
Tot Ion: 96 Resp: 60829

Ion Ratio Lower Upper

96 100

61 131.9 0.0 275.8

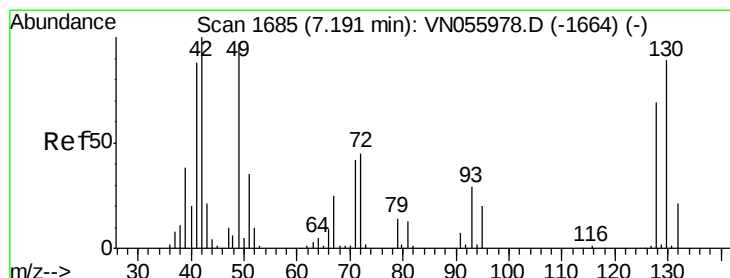
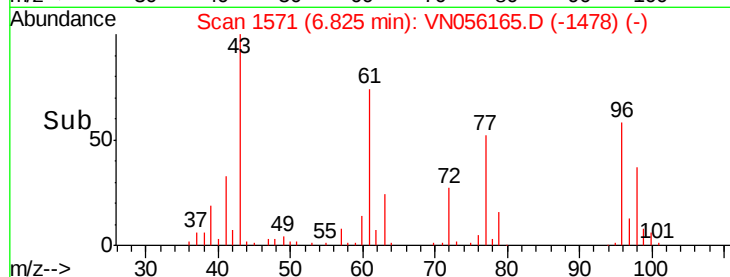
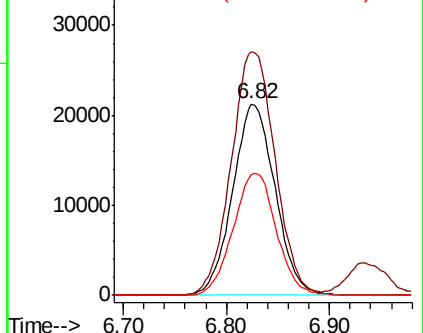
98 64.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.631 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

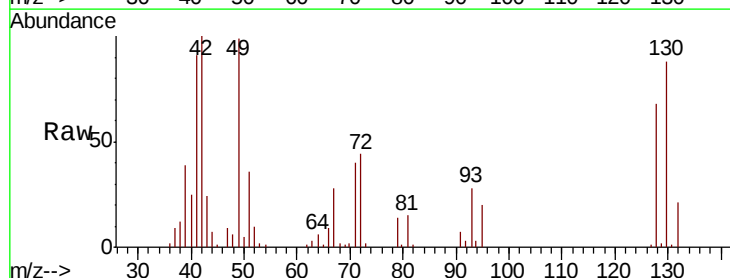
Tgt Ion: 49 Resp: 46386

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

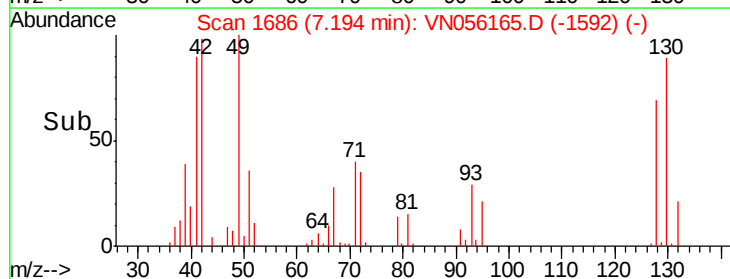
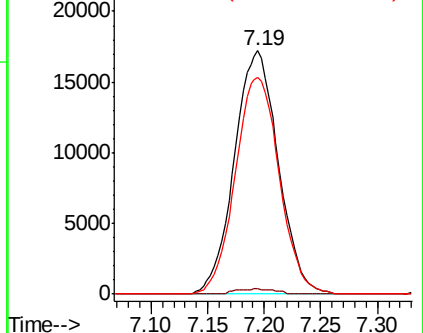
130 89.3 71.2 106.8

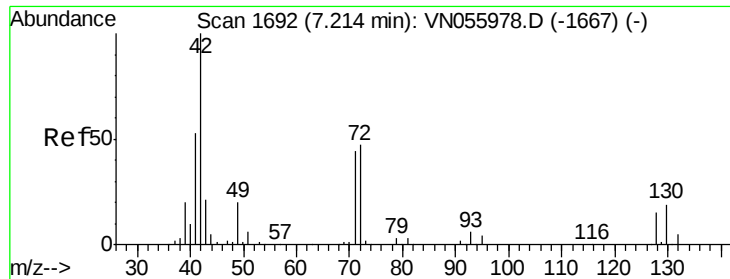


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

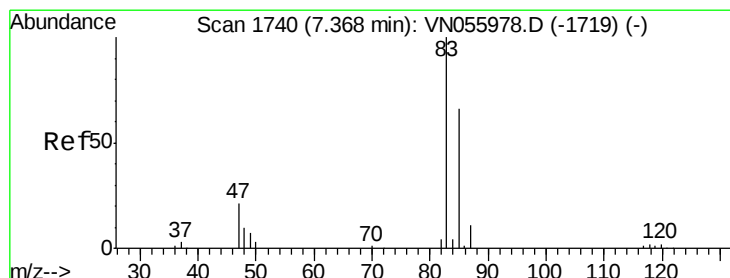
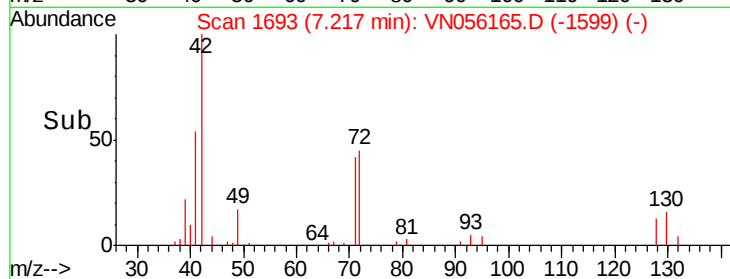
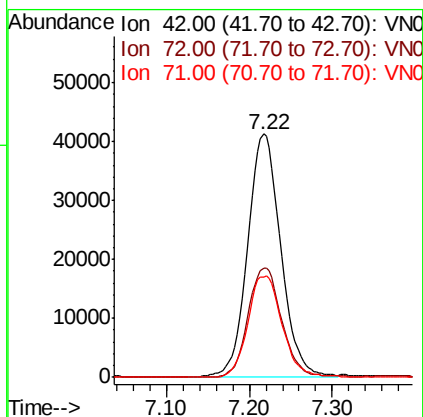
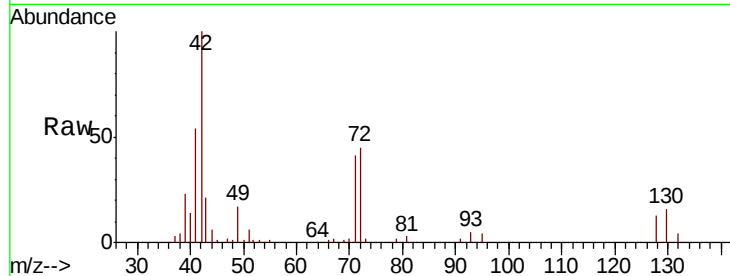




#29
Tetrahydrofuran
Concen: 108.469 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

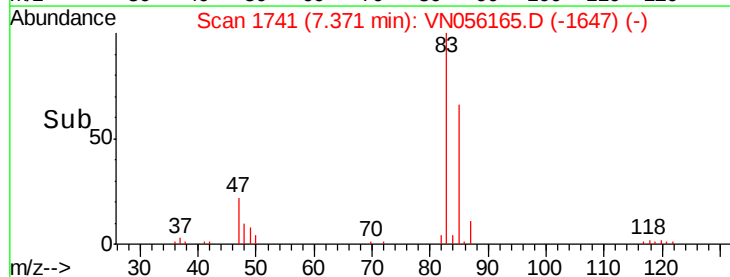
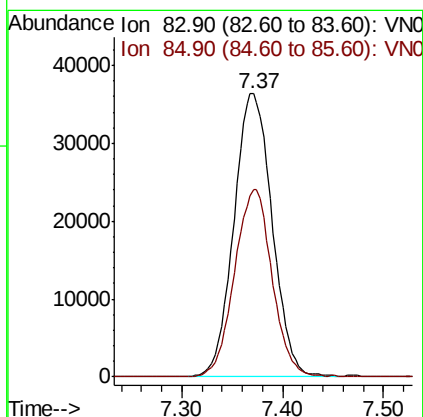
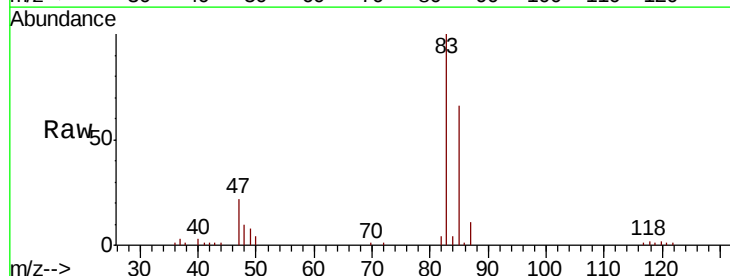
Instrument :
MSVOA_N
ClientSampled :
VN0610WBS01

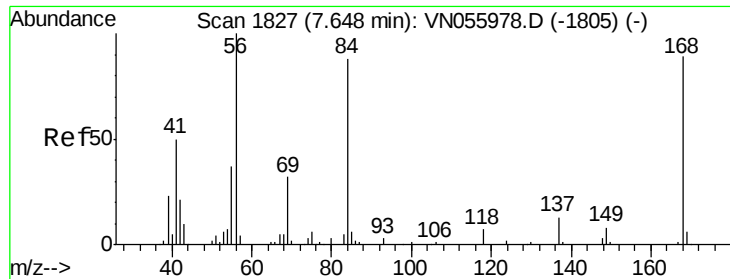
Tot Ion: 42 Resp: 115412
Ion Ratio Lower Upper
42 100
72 45.5 35.9 53.9
71 42.7 34.0 51.0



#30
Chloroform
Concen: 20.974 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 83 Resp: 95677
Ion Ratio Lower Upper
83 100
85 66.2 51.8 77.8

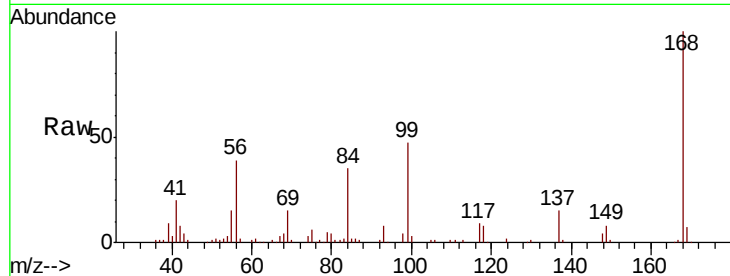




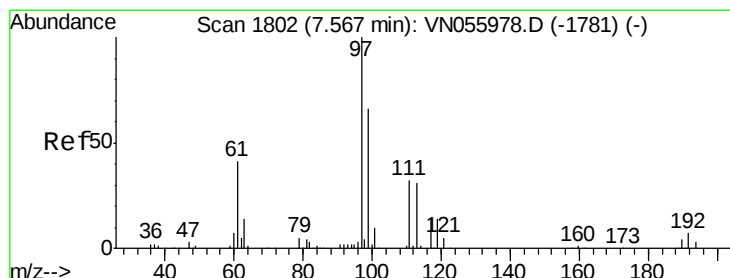
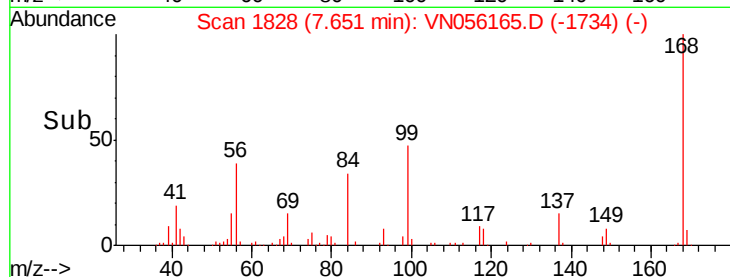
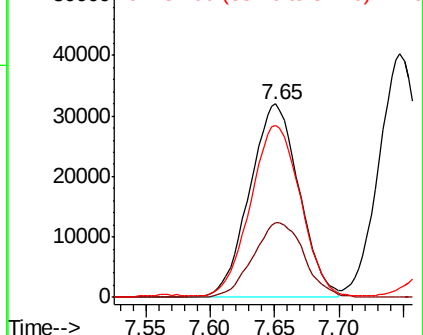
#31
Cyclohexane
Concen: 18.926 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion: 56 Resp: 85547
Ion Ratio Lower Upper
56 100
69 38.5 25.6 38.4#
84 88.0 67.4 101.0

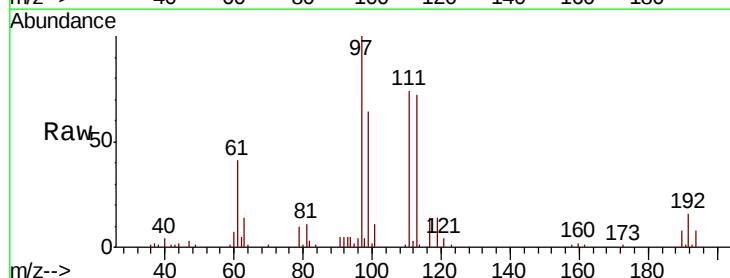


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

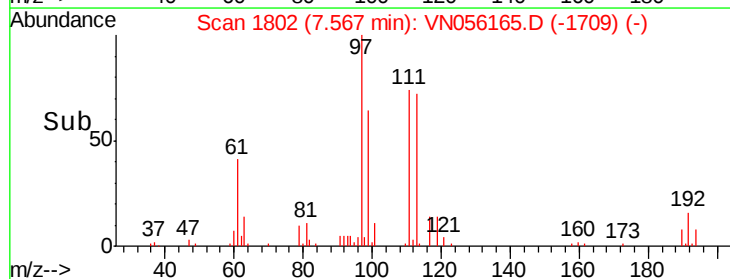
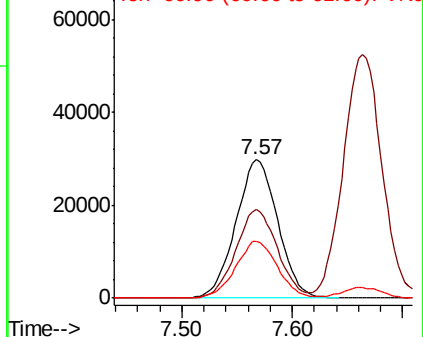


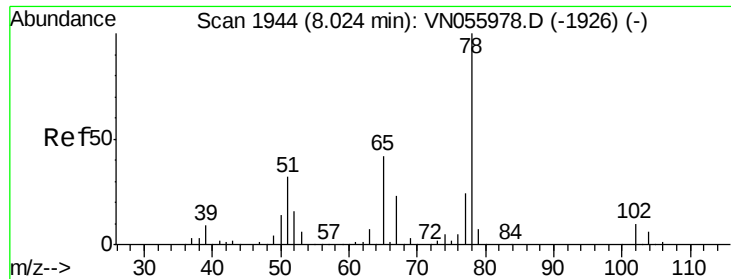
#32
1,1,1-Trichloroethane
Concen: 20.560 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 97 Resp: 78321
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 41.0 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

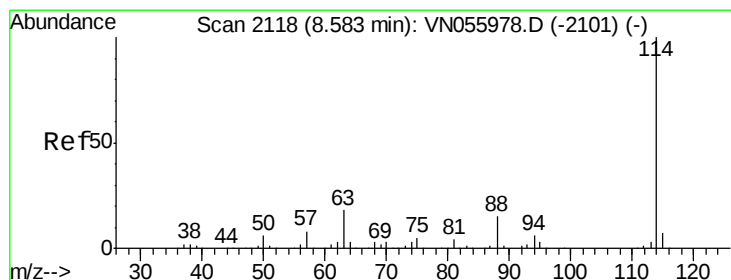
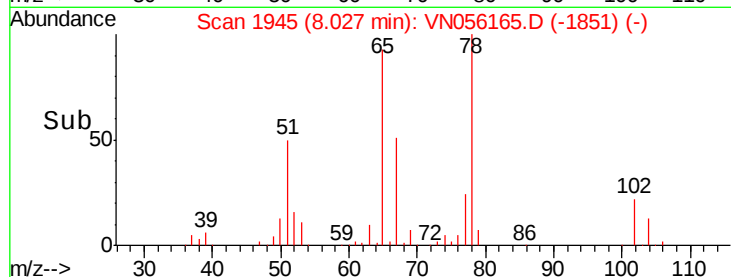
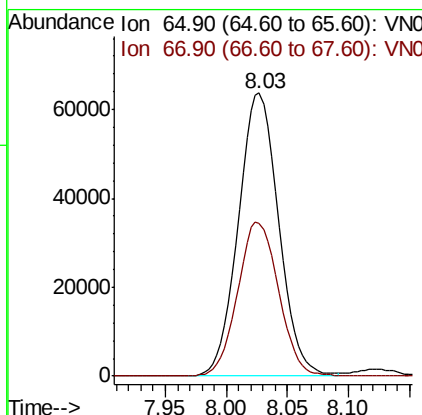
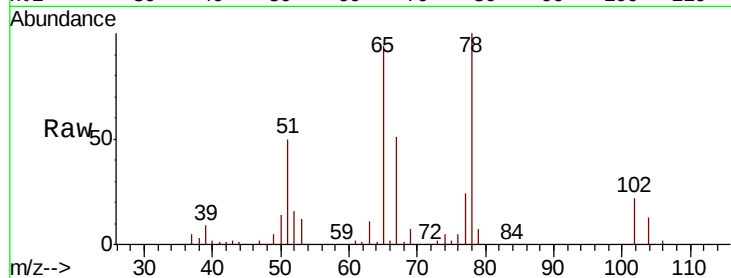




#33
 1,2-Dichloroethane-d4
 Concen: 51.198 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

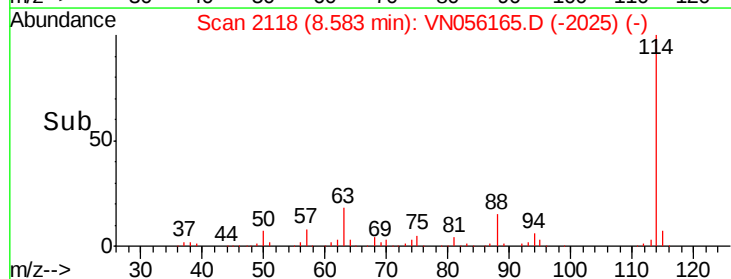
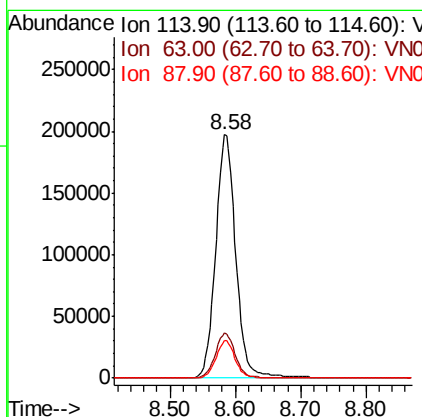
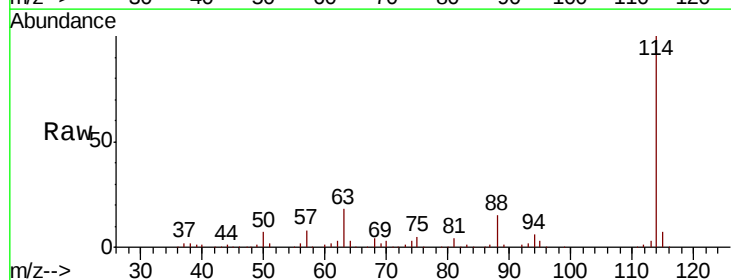
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

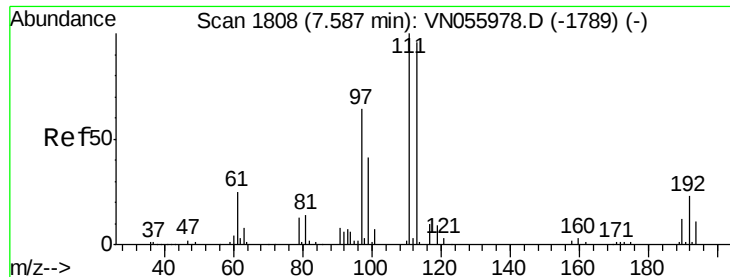
Tot Ion: 65 Resp: 145839
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 114 Resp: 422749
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 15.3 0.0 31.0

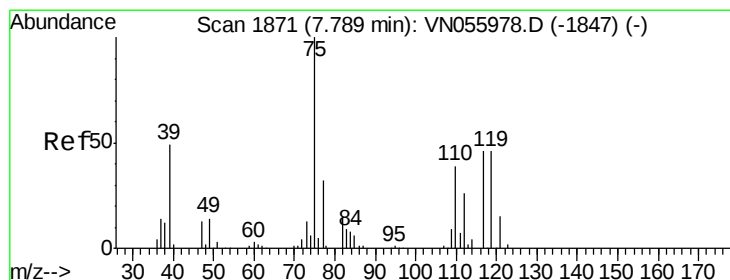
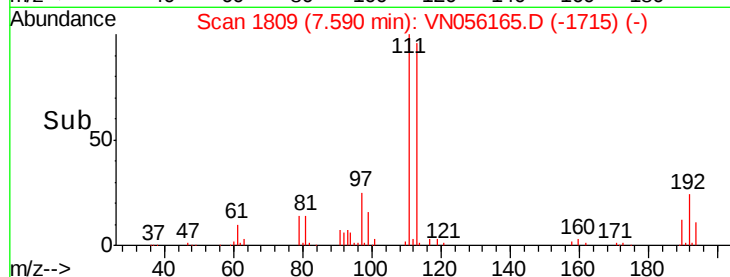
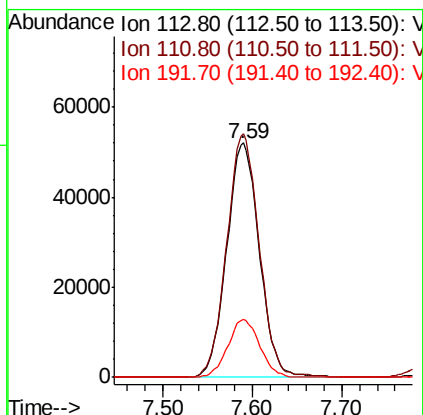
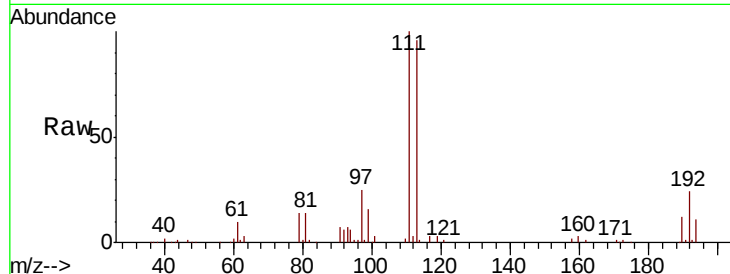




#35
 Dibromofluoromethane
 Concen: 50.794 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

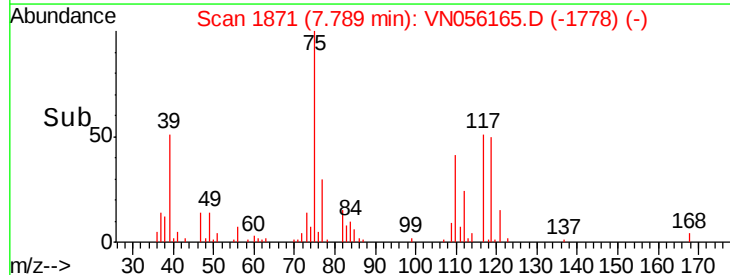
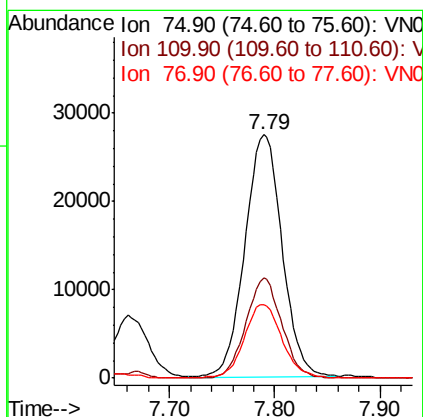
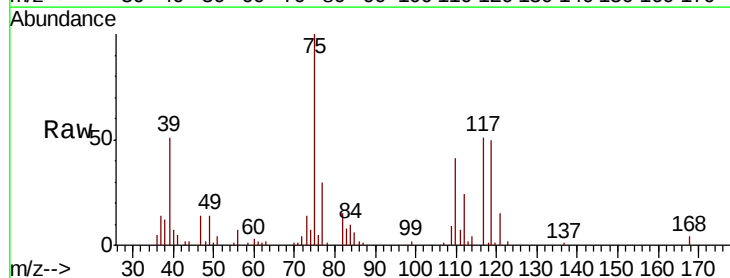
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

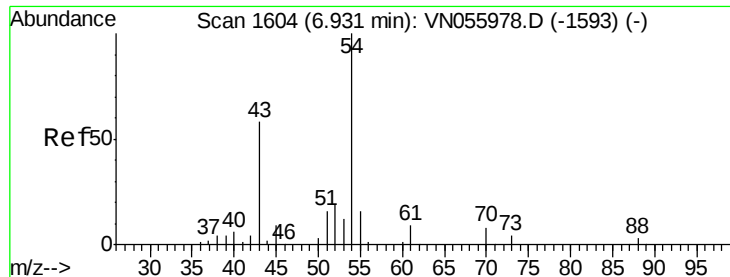
Tot Ion:113 Resp: 131744
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.9 122.9
 192 24.1 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 18.571 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 75 Resp: 67506
 Ion Ratio Lower Upper
 75 100
 110 39.6 19.0 57.0
 77 30.9 25.1 37.7

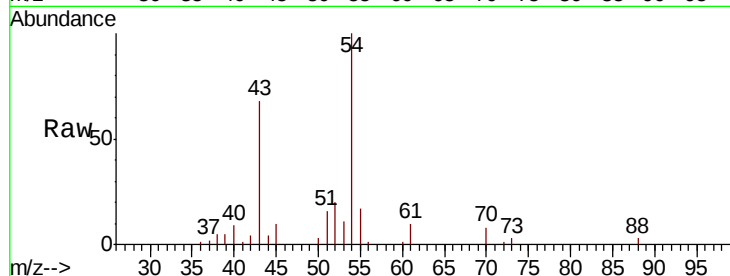




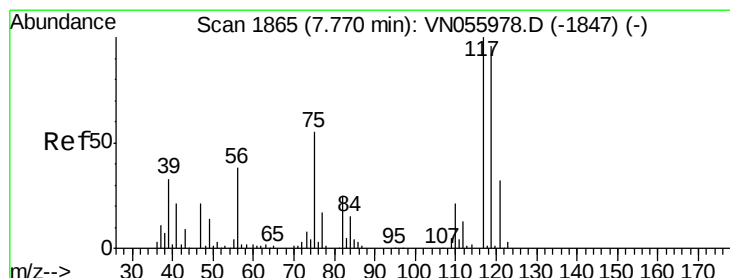
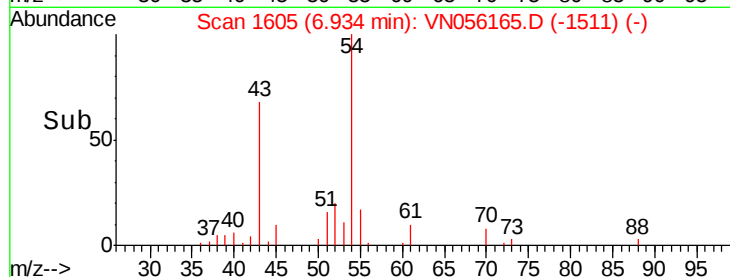
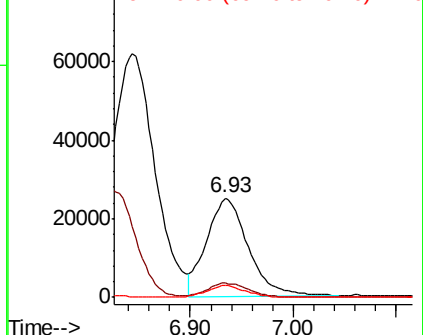
#37
Ethyl Acetate
Concen: 21.554 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion: 43 Resp: 69713
Ion Ratio Lower Upper
43 100
61 14.5 12.2 18.2
70 10.9 8.9 13.3

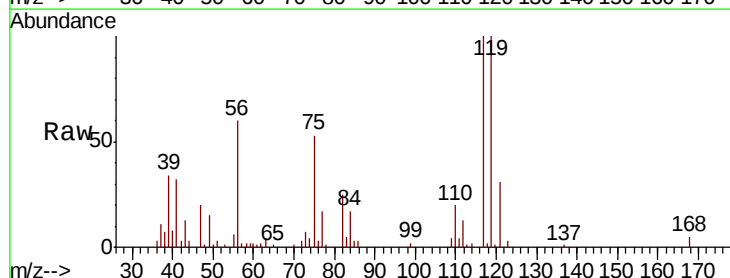


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

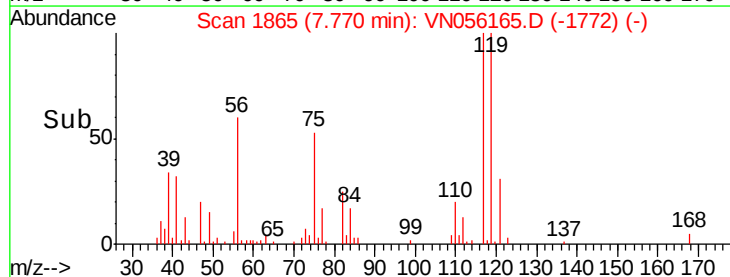
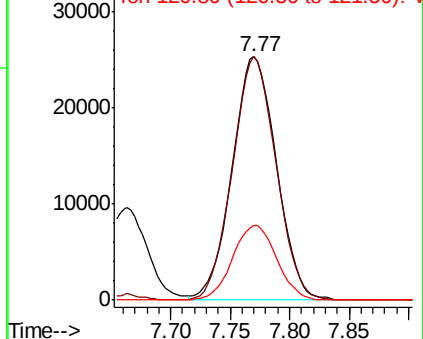


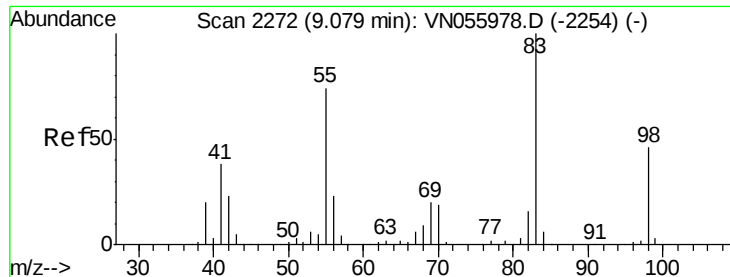
#38
Carbon Tetrachloride
Concen: 19.452 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 117 Resp: 65190
Ion Ratio Lower Upper
117 100
119 99.8 79.0 118.6
121 30.9 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

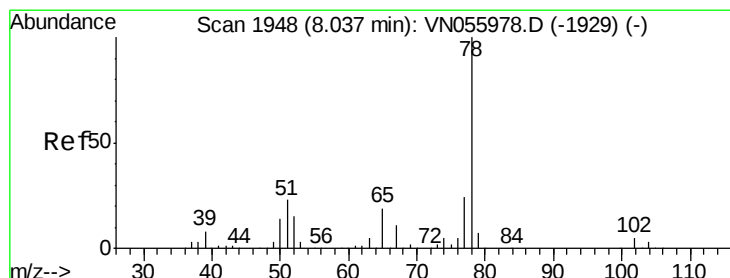
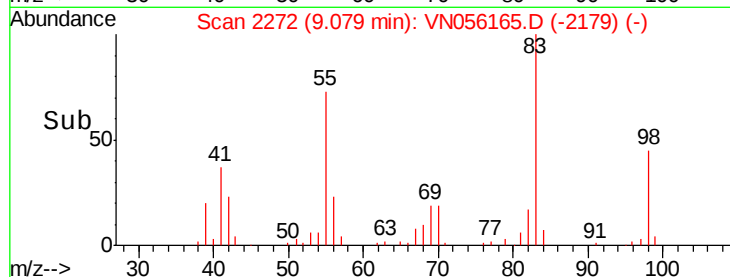
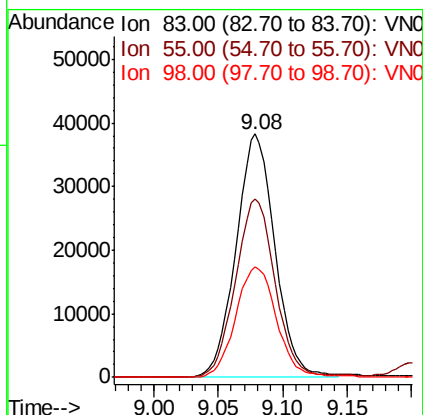
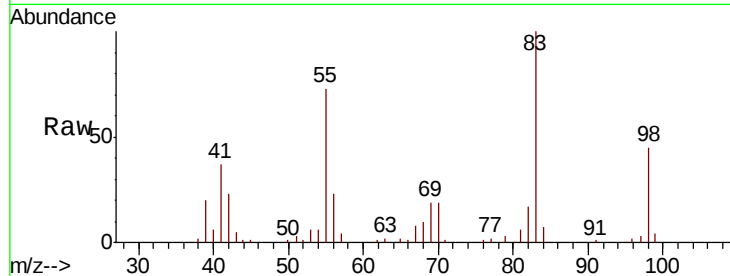




#39
Methvlcvclohexane
Concen: 17.740 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

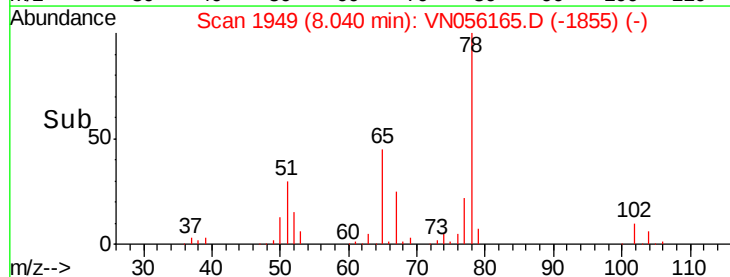
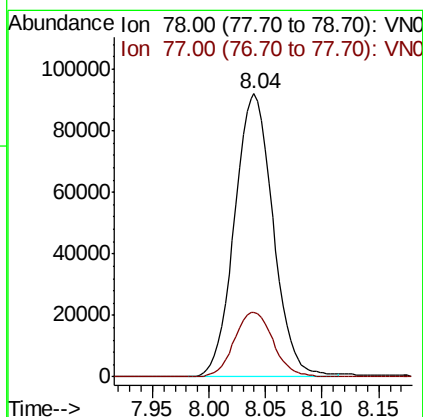
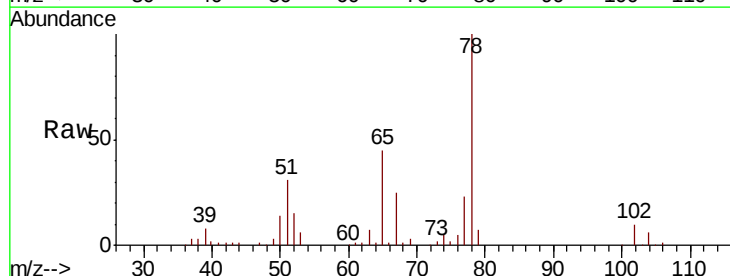
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

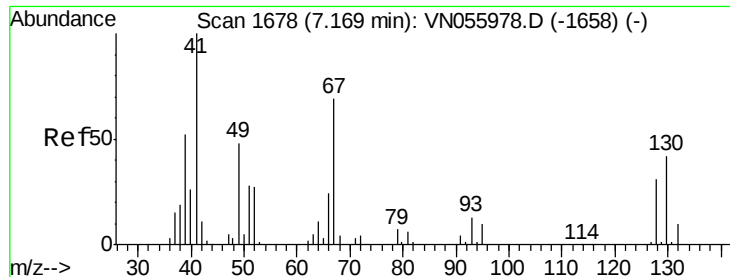
Tot Ion: 83 Resp: 80333
Ion Ratio Lower Upper
83 100
55 73.5 59.3 88.9
98 45.1 36.6 54.8



#40
Benzene
Concen: 19.828 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 78 Resp: 218906
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2

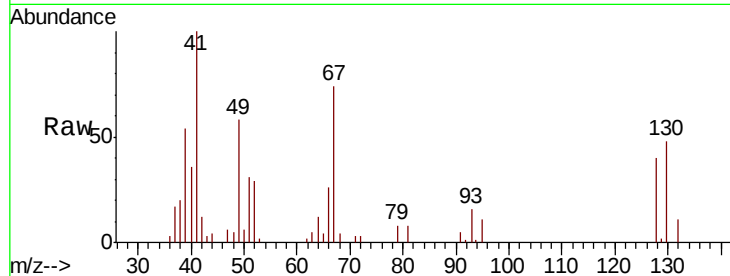




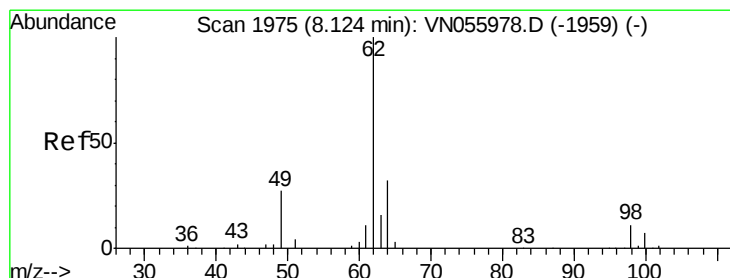
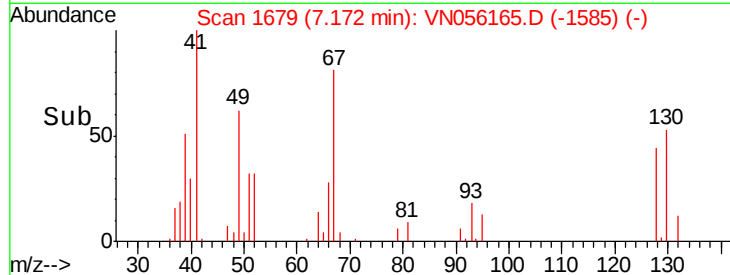
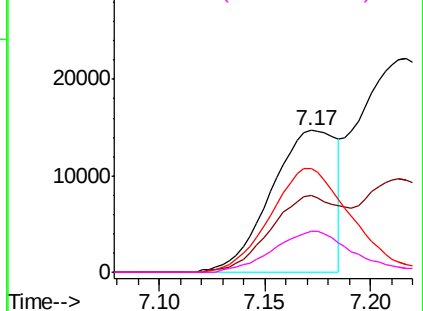
#41
Methacrylonitrile
Concen: 21.313 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion: 41 Resp: 31716
Ion Ratio Lower Upper
41 100
39 61.2 45.6 68.4
67 91.4 67.7 101.5
52 35.4 26.6 40.0

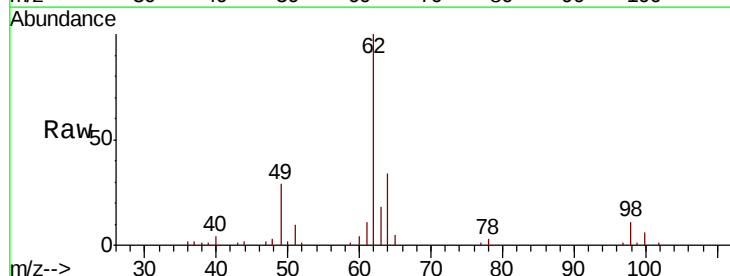


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

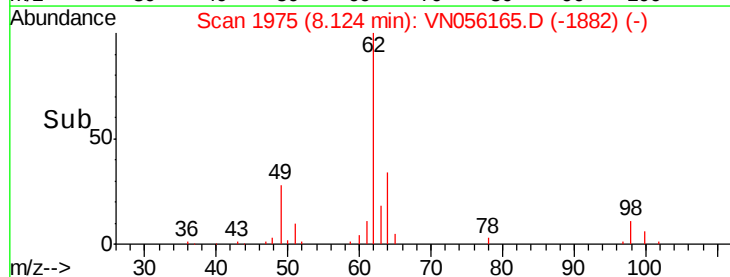
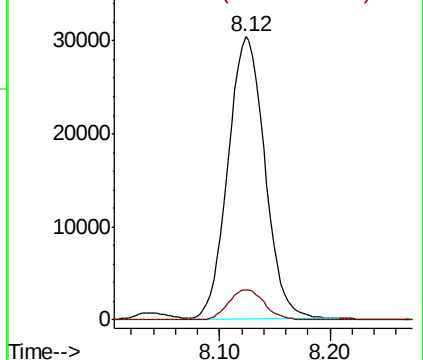


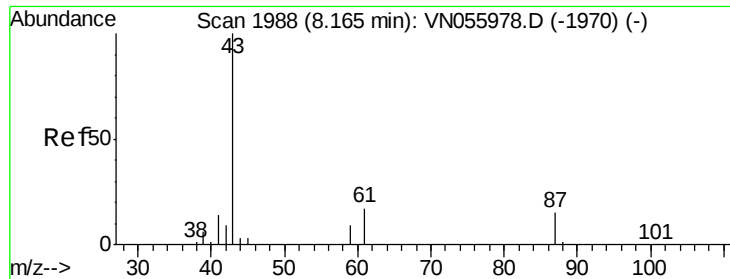
#42
1,2-Dichloroethane
Concen: 19.806 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 62 Resp: 70338
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.892 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

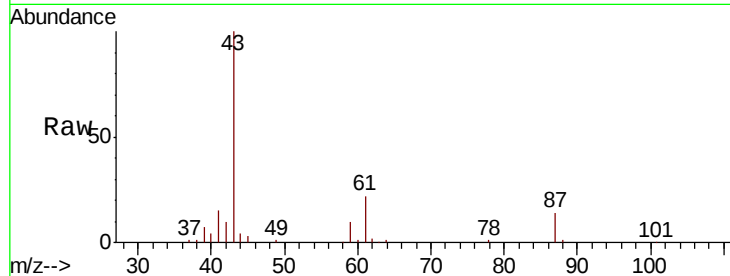
Tot Ion: 43 Resp: 104255

Ion Ratio Lower Upper

43 100

61 21.7 22.2 33.4#

87 13.8 11.4 17.2



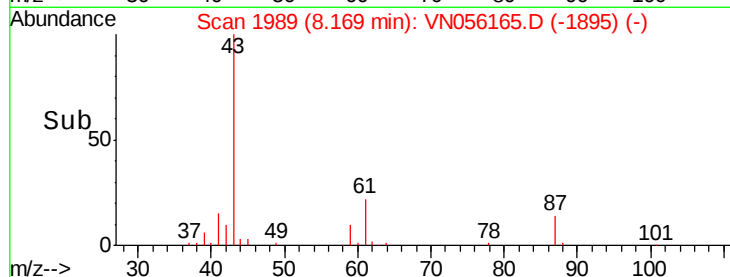
Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

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

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

8.17

Time-->



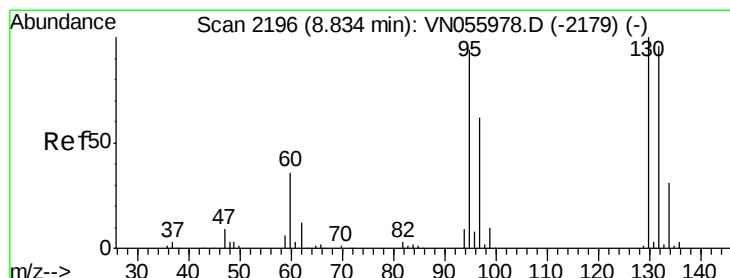
Abundance Ion 43.00 (42.70 to 43.70): VN056165.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN056165.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN056165.D (-1895) (-)

8.17

Time-->



#44

Trichloroethene

Concen: 20.213 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056165.D

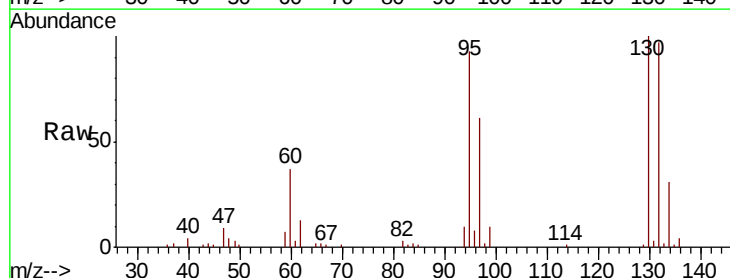
Acq: 10 Jun 2019 13:17

Tgt Ion:130 Resp: 64126

Ion Ratio Lower Upper

130 100

95 92.7 0.0 188.0

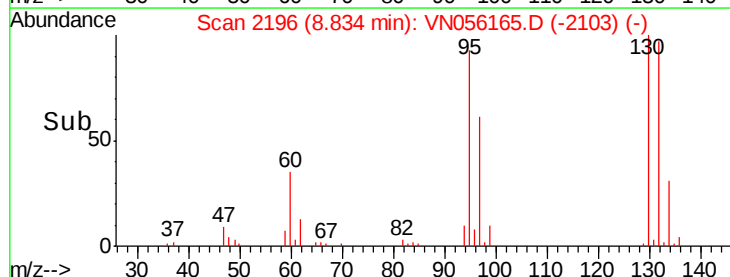


Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

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

8.83

Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN056165.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN056165.D (-2103) (-)

8.83

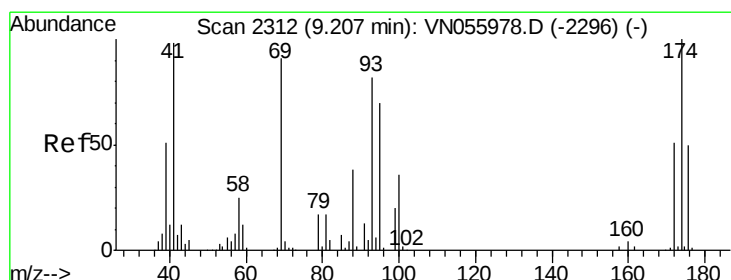
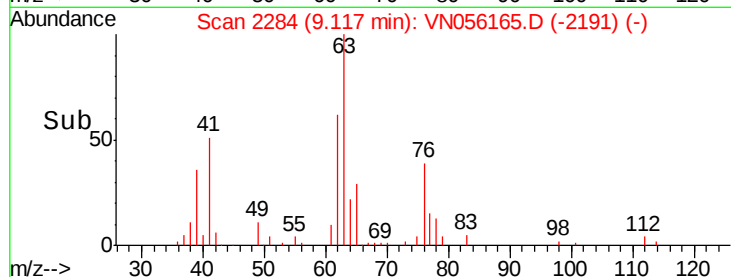
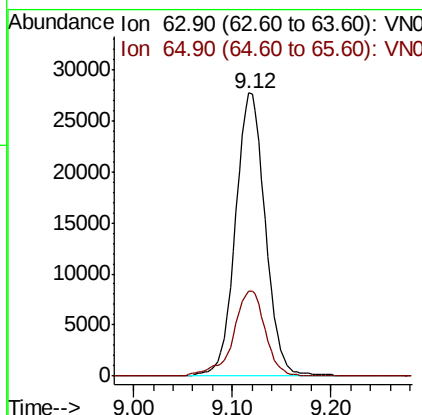
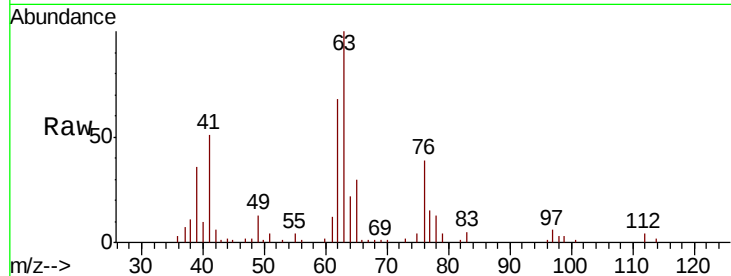
Time-->



#45
 1,2-Dichloropropane
 Concen: 20.558 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

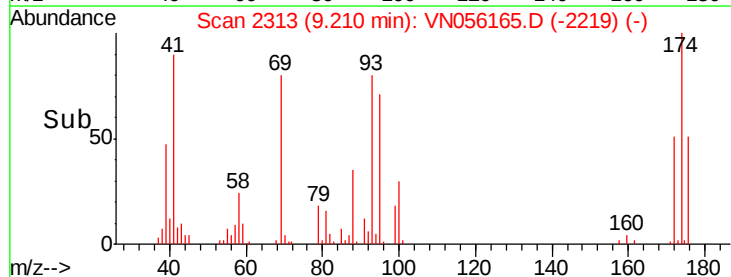
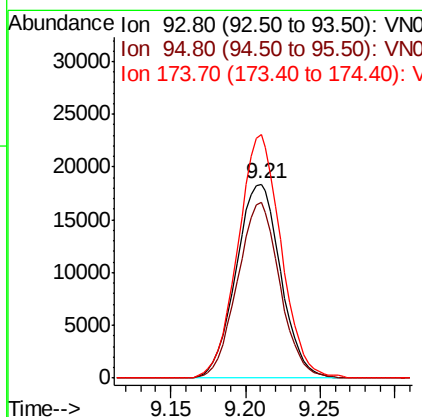
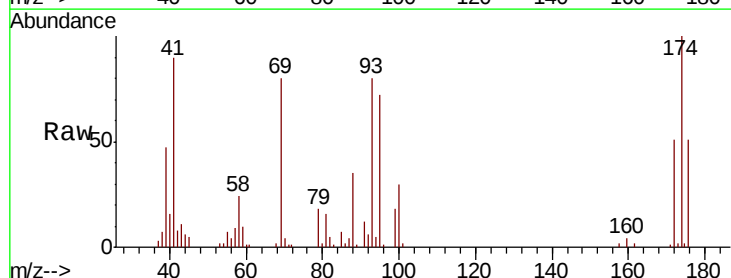
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion: 63 Resp: 58138
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 36.8



#46
 Dibromomethane
 Concen: 20.652 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 93 Resp: 38191
 Ion Ratio Lower Upper
 93 100
 95 86.0 66.7 100.1
 174 121.6 96.4 144.6





#47

Bromodichloromethane

Concen: 20.740 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

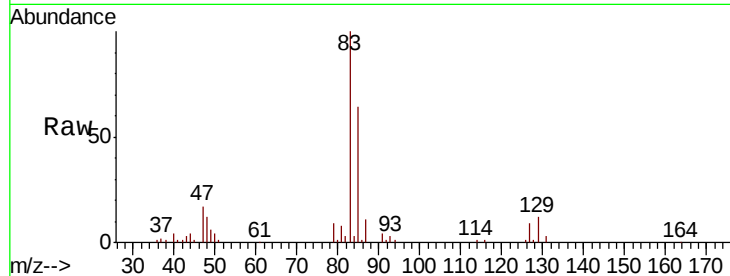
Tot Ion: 83 Resp: 69513

Ion Ratio Lower Upper

83 100

85 63.7 52.2 78.2

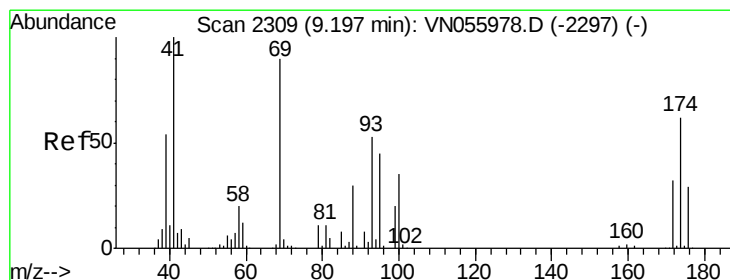
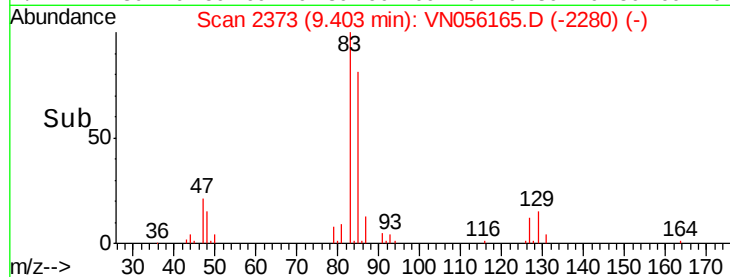
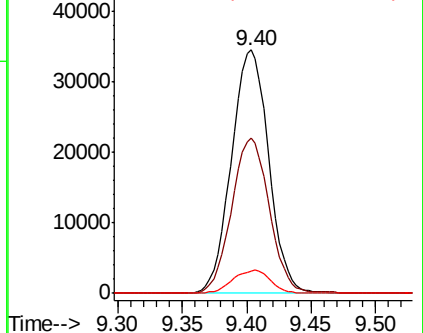
127 9.2 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.703 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

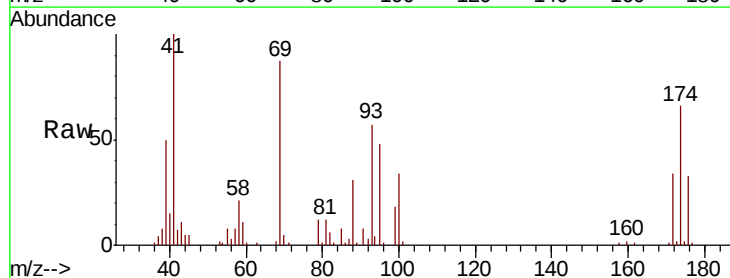
Tgt Ion: 41 Resp: 53084

Ion Ratio Lower Upper

41 100

69 90.1 71.0 106.6

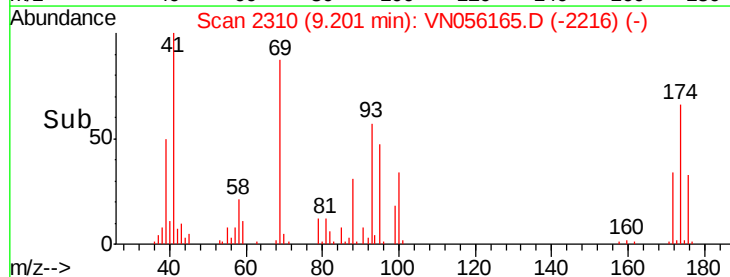
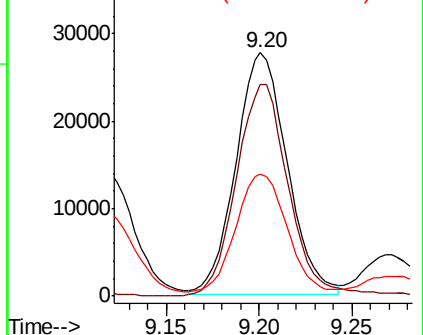
39 51.0 44.2 66.2

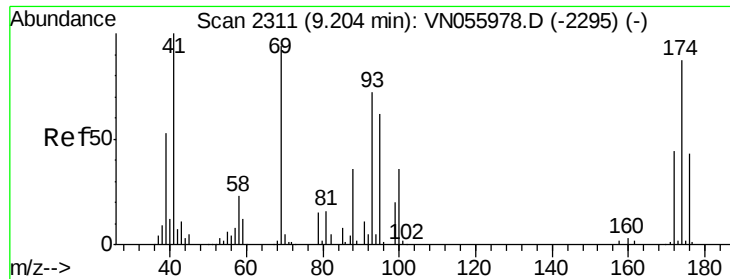


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 398.061 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

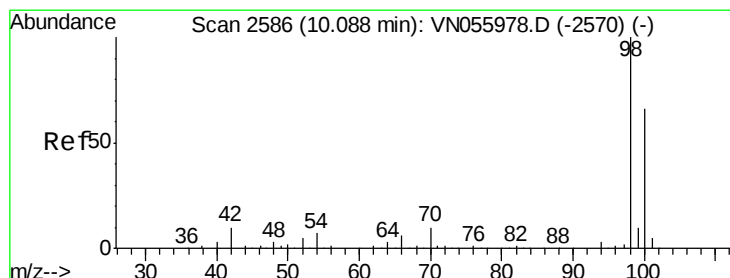
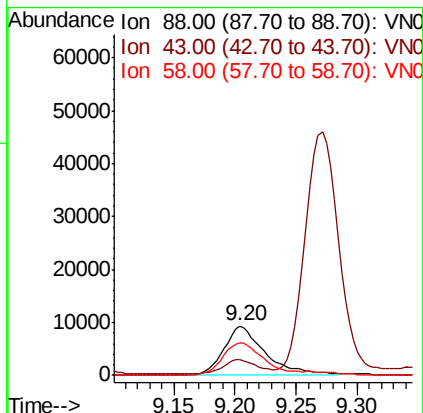
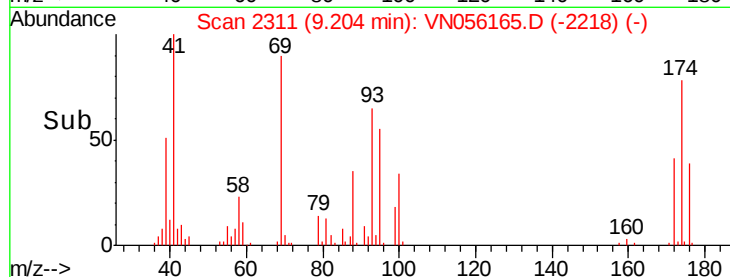
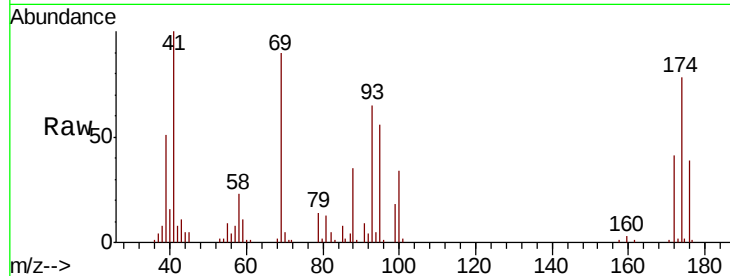
Tot Ion: 88 Resp: 22035

Ion Ratio Lower Upper

88 100

43 24.1 20.5 30.7

58 65.7 55.8 83.6



#50

Toluene-d8

Concen: 48.728 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056165.D

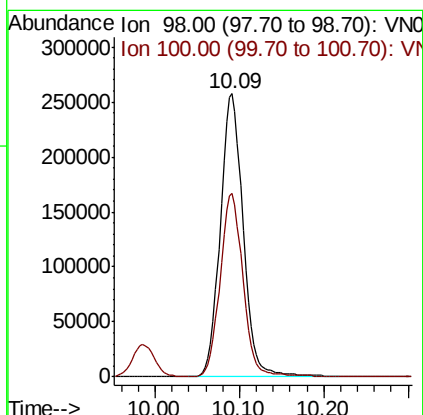
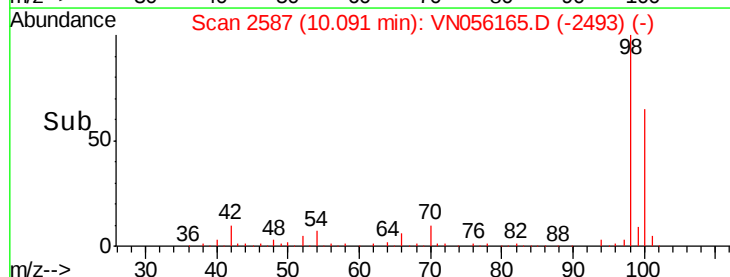
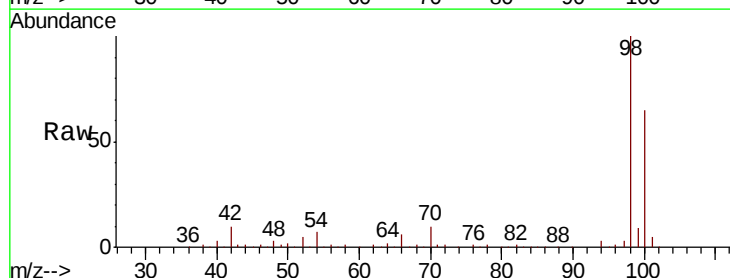
Acq: 10 Jun 2019 13:17

Tgt Ion: 98 Resp: 486334

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 104.188 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

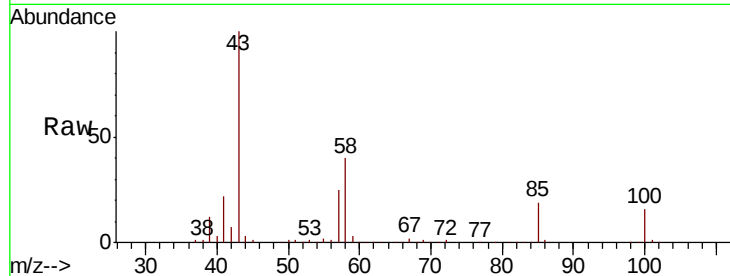
VN0610WBS01

Tot Ion: 43 Resp: 341478

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

200000

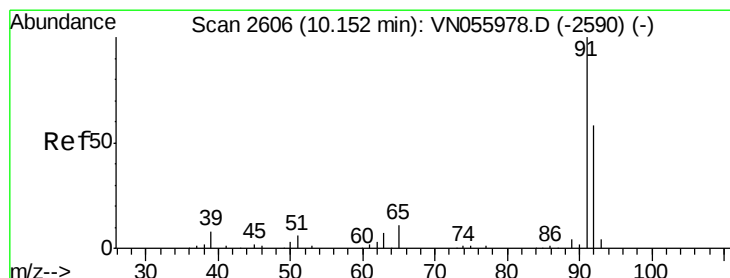
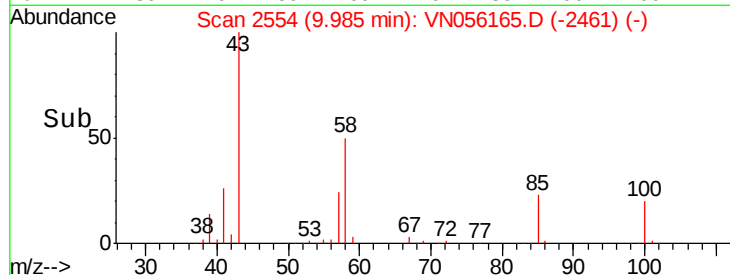
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.207 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056165.D

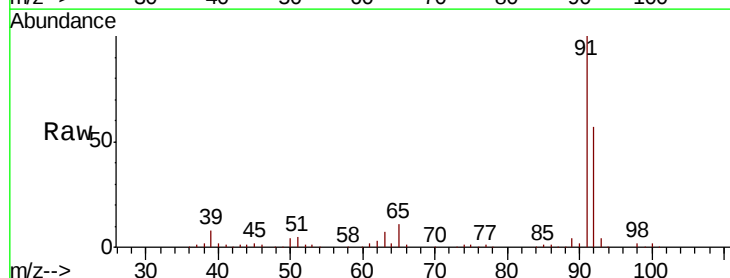
Acq: 10 Jun 2019 13:17

Tgt Ion: 92 Resp: 138823

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

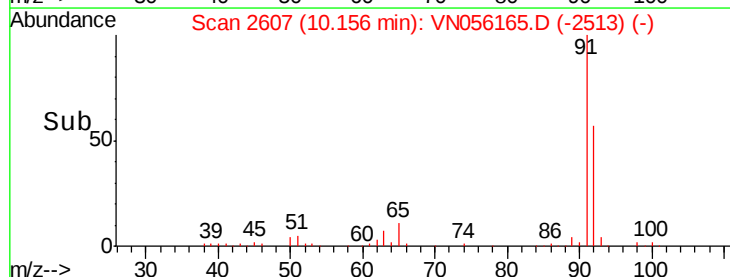
150000

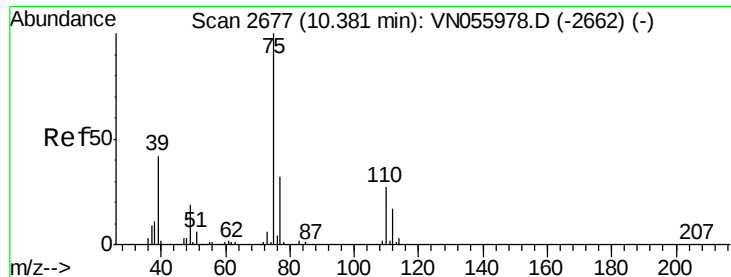
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.262 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

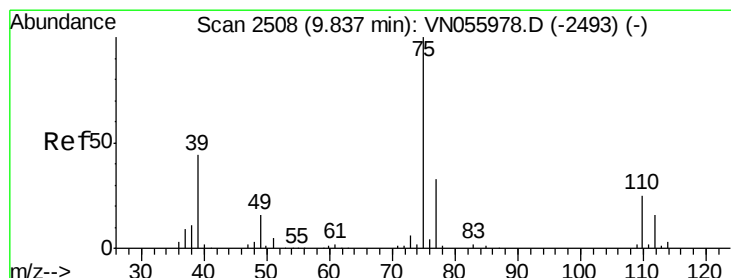
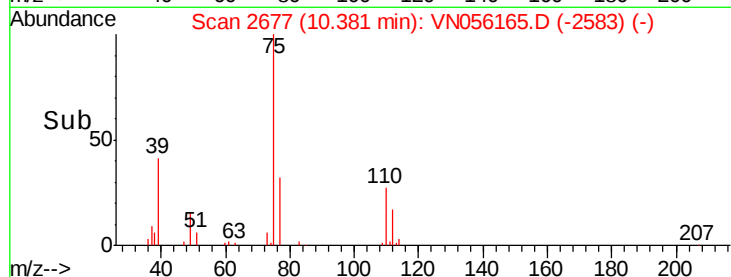
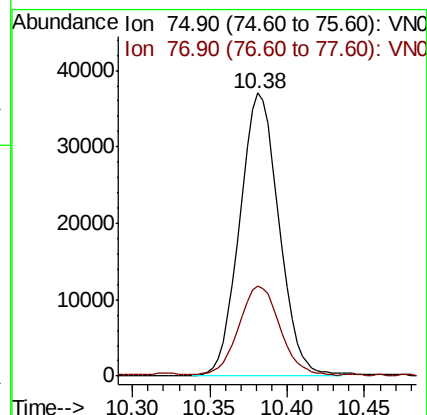
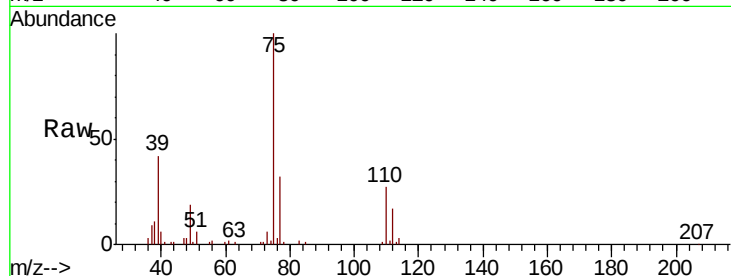
VN0610WBS01

Tot Ion: 75 Resp: 65480

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.745 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

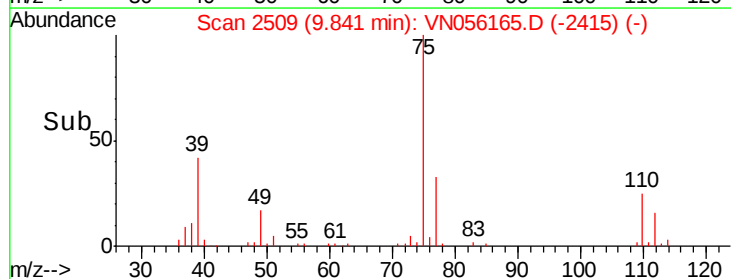
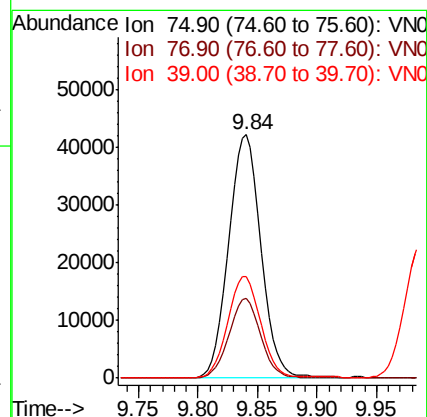
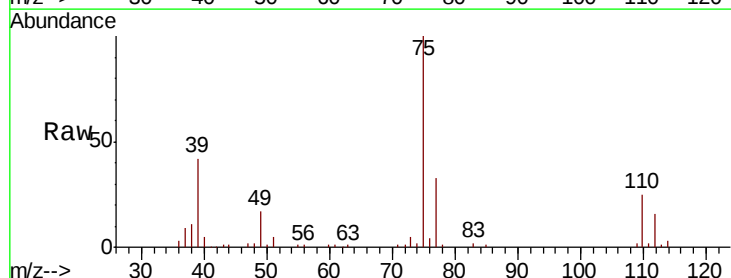
Tgt Ion: 75 Resp: 79546

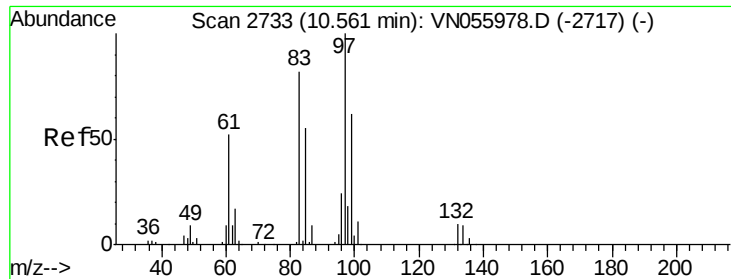
Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0

39 41.6 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.640 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

Tot Ion: 97 Resp: 56169

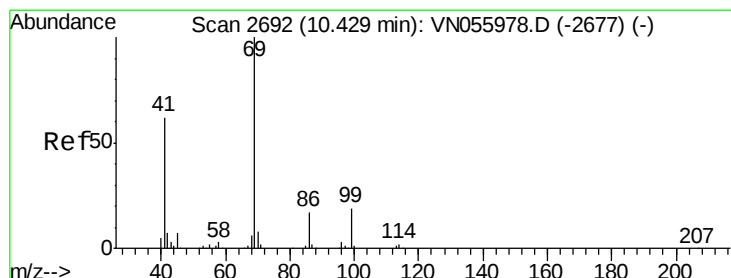
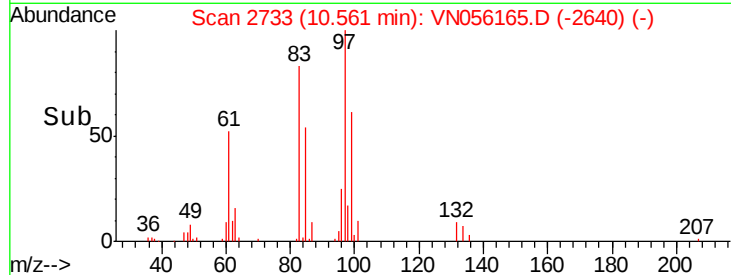
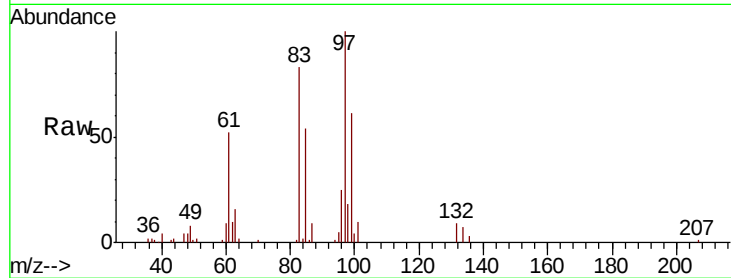
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.0	100.6
85	53.8	44.0	66.0
99	61.4	50.6	75.8

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: 19.802 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

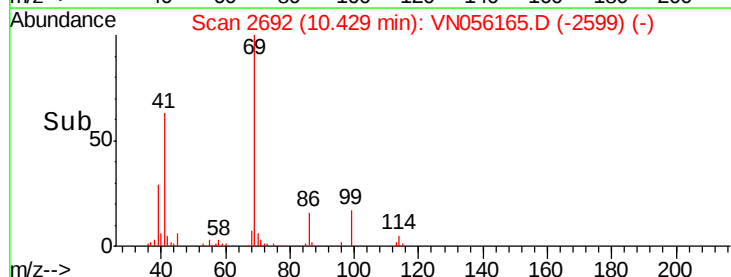
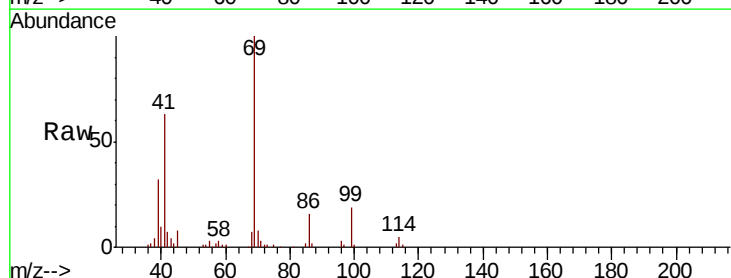
Tgt Ion: 69 Resp: 78617

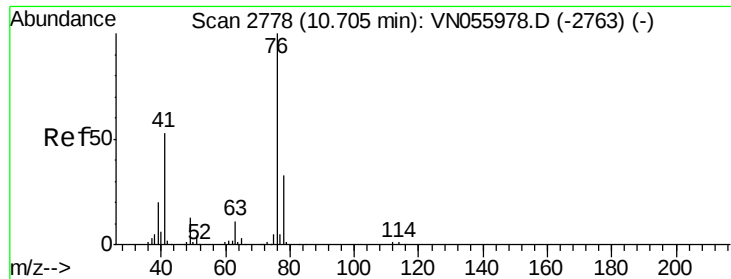
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.7	74.5
39	29.2	24.7	37.1

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: 20.130 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

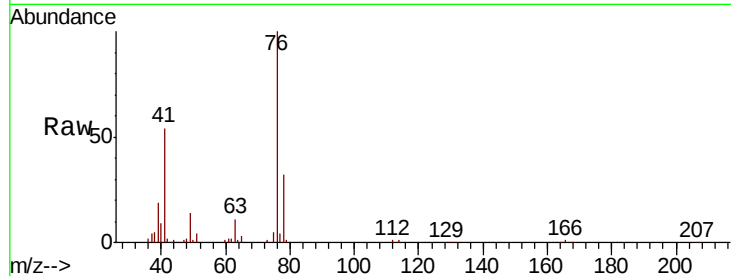
VN0610WBS01

Tot Ion: 76 Resp: 89052

Ion Ratio Lower Upper

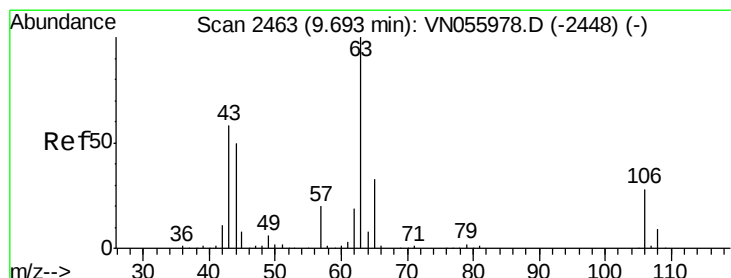
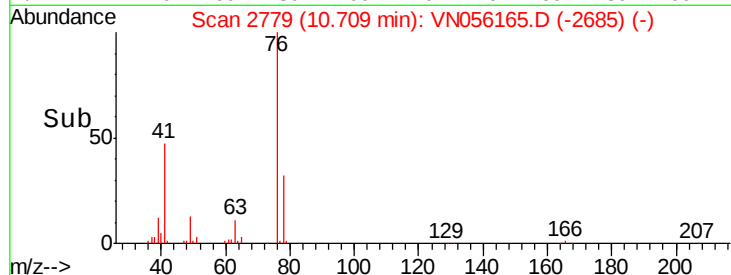
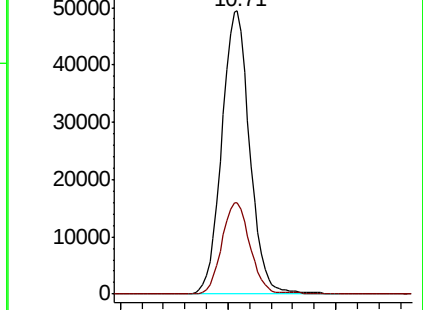
76 100

78 32.5 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: 92.300 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056165.D

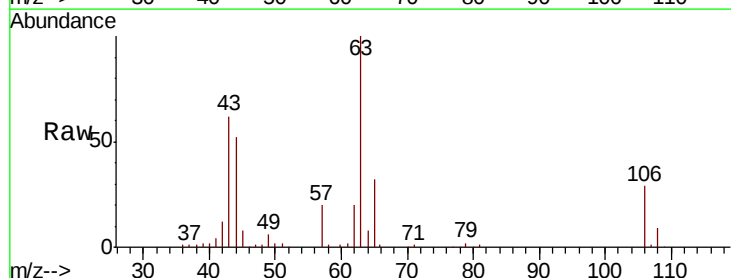
Acq: 10 Jun 2019 13:17

Tgt Ion: 63 Resp: 129586

Ion Ratio Lower Upper

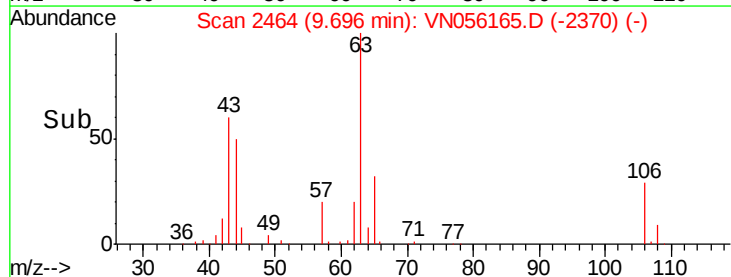
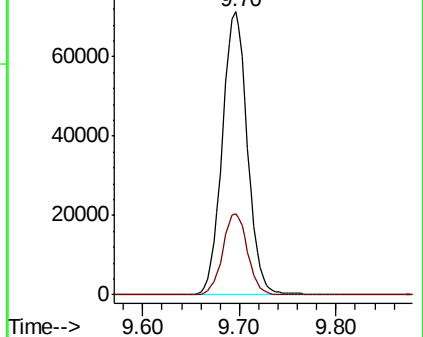
63 100

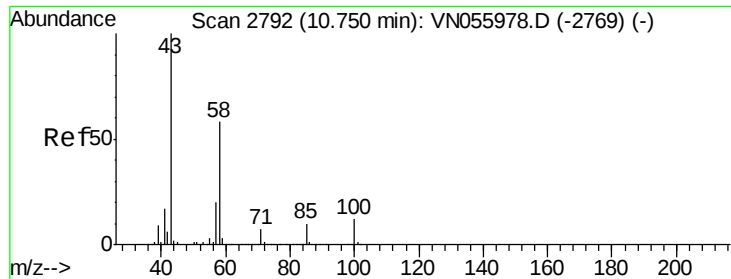
106 28.2 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

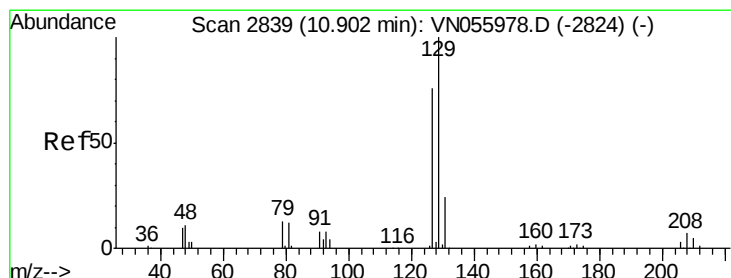
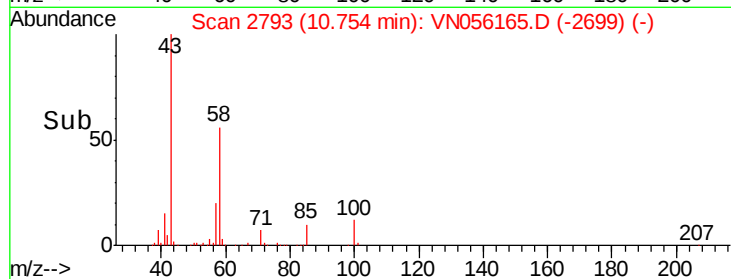
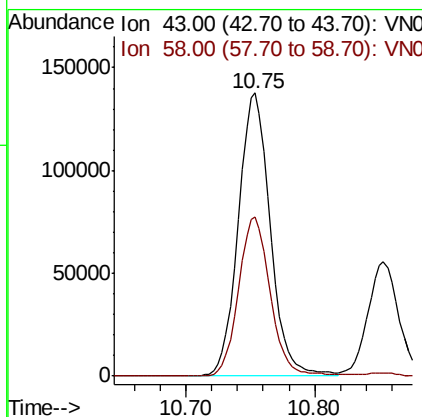
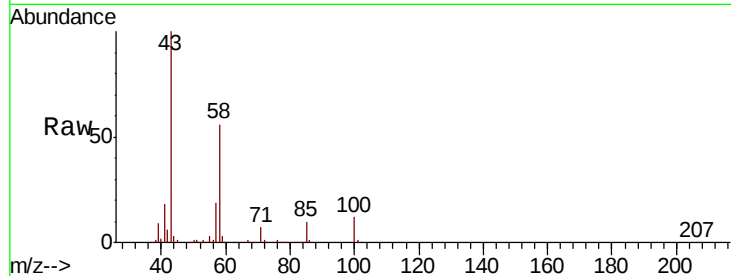




#59
2-Hexanone
Concen: 99.653 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

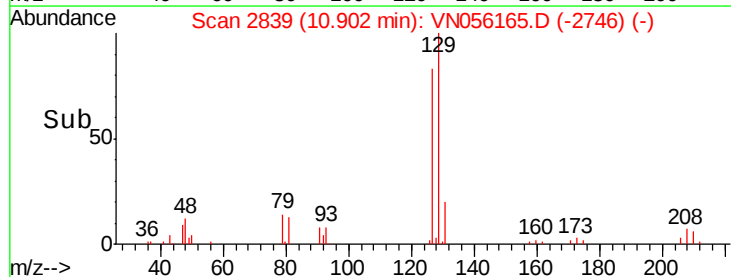
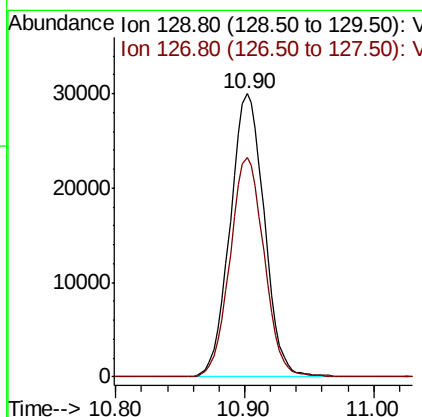
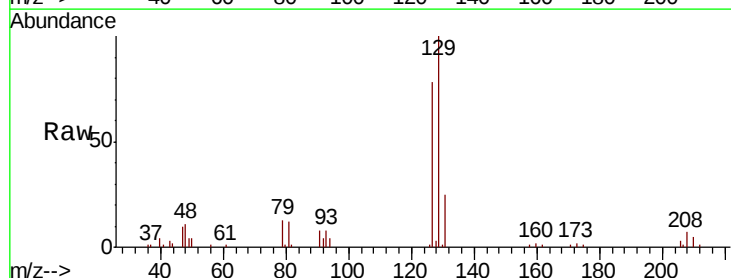
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

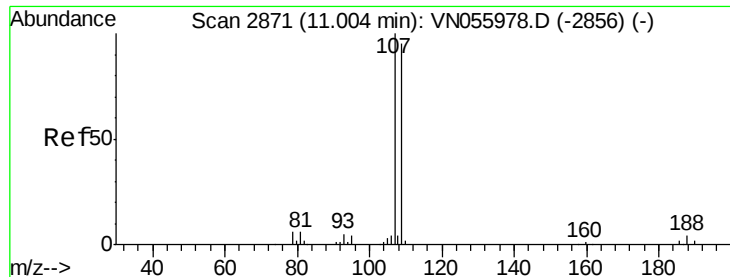
Tot Ion: 43 Resp: 236724
Ion Ratio Lower Upper
43 100
58 56.1 28.2 84.7



#60
Dibromochloromethane
Concen: 19.919 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 129 Resp: 55128
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.519 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

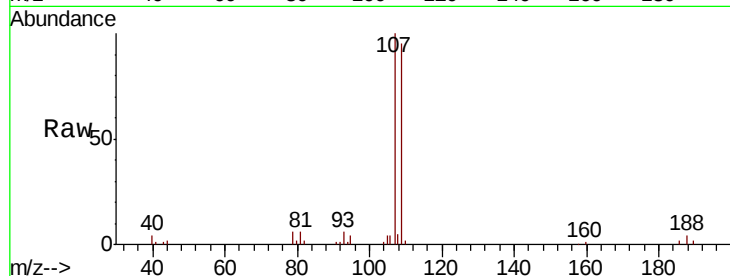
VN0610WBS01

Tot Ion:107 Resp: 57085

Ion Ratio Lower Upper

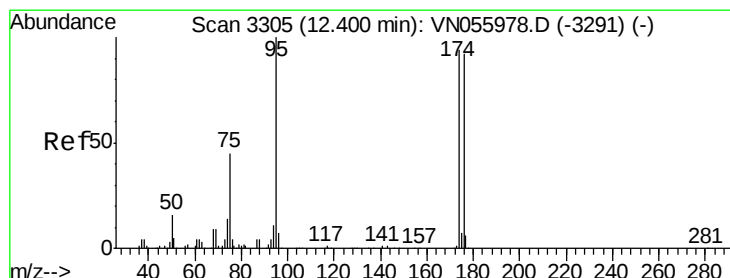
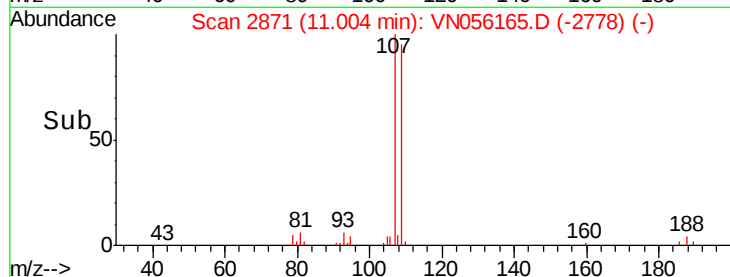
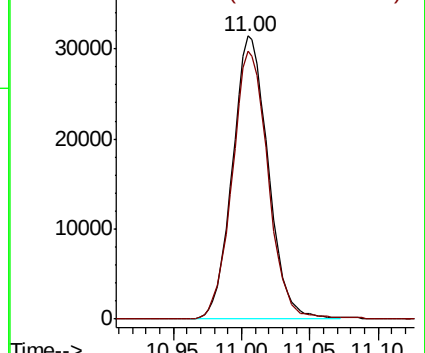
107 100

109 95.0 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: 45.949 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

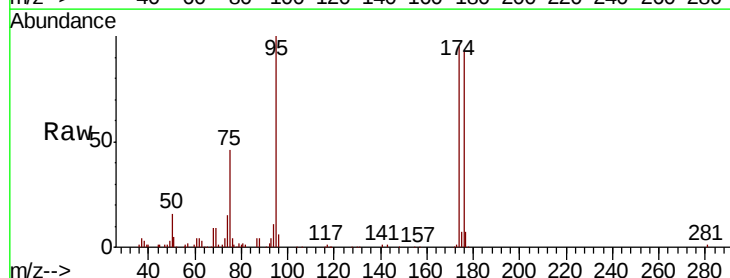
Tgt Ion: 95 Resp: 155959

Ion Ratio Lower Upper

95 100

174 96.6 0.0 191.0

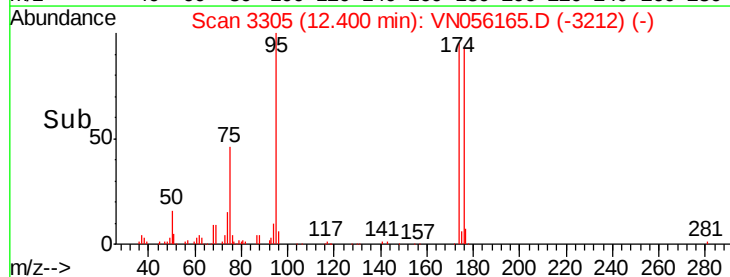
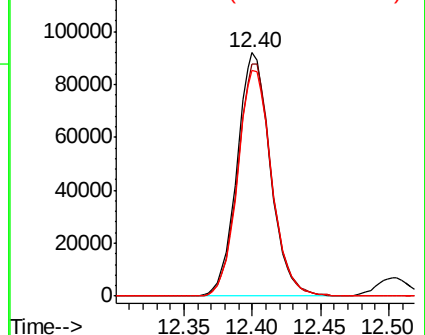
176 94.2 0.0 185.2

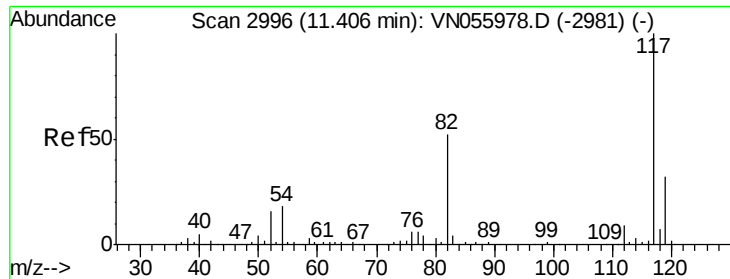


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

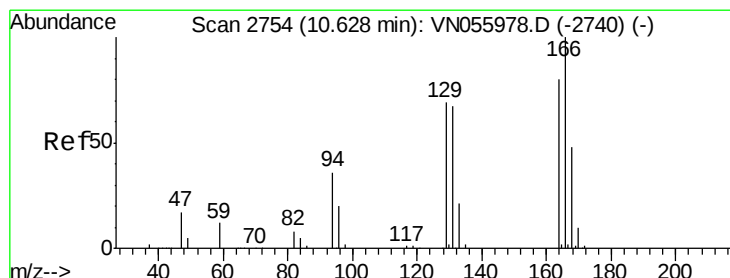
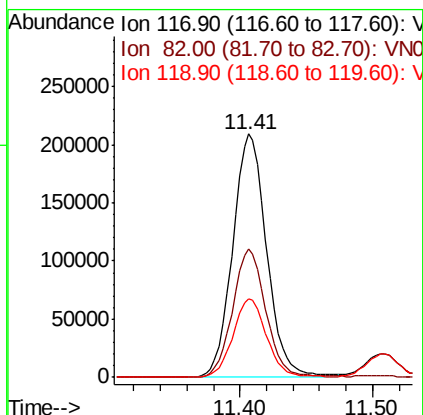
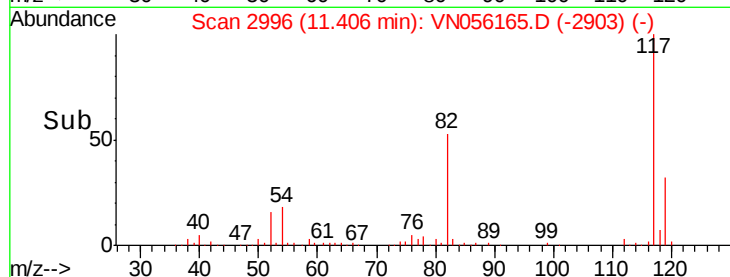
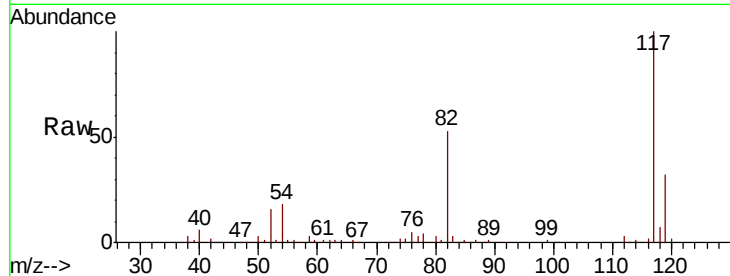




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

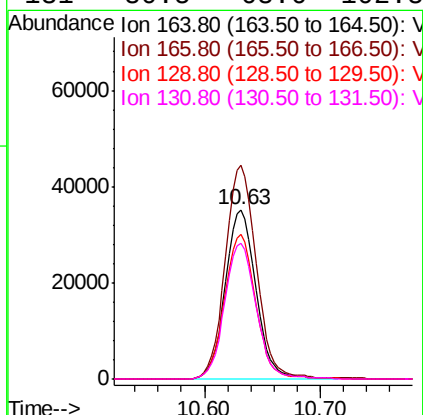
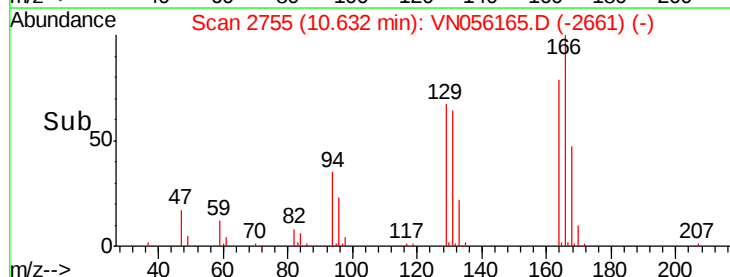
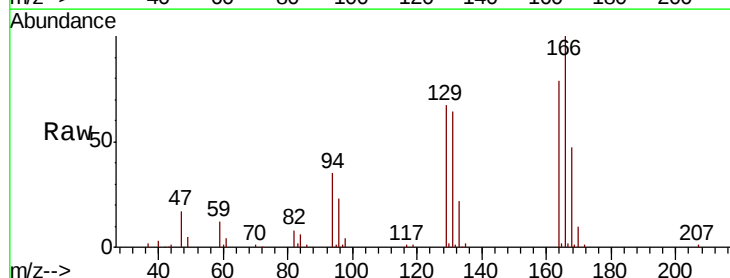
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion:117 Resp: 372133
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.8
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 20.016 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion:164 Resp: 64477
Ion Ratio Lower Upper
164 100
166 126.1 103.0 154.6
129 85.1 70.6 105.8
131 80.5 68.6 102.8

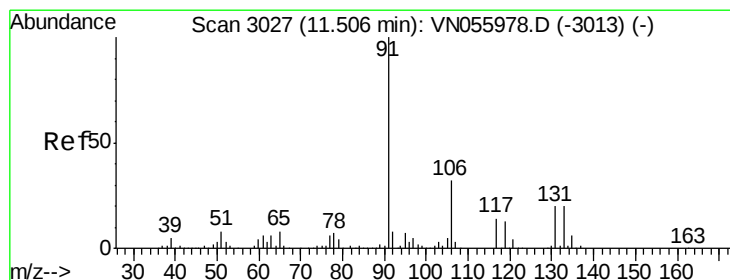
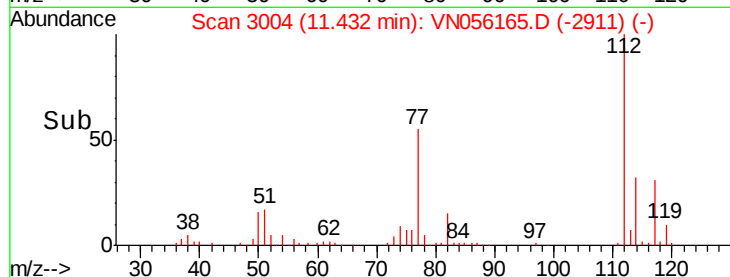
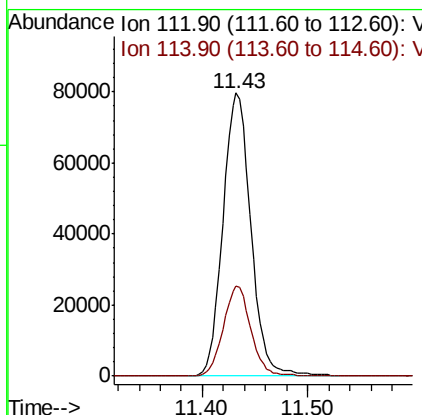
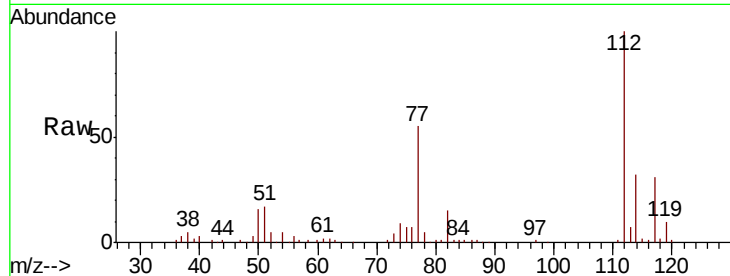




#65
Chlorobenzene
Concen: 19.759 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

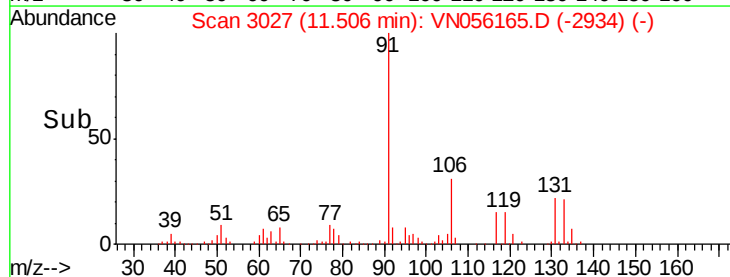
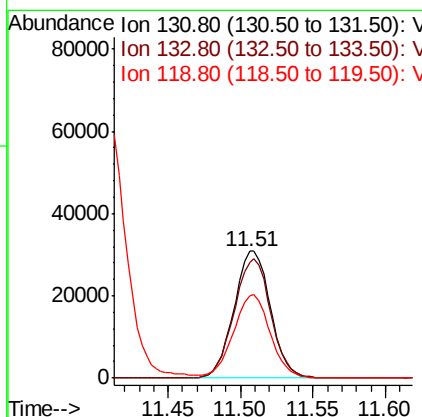
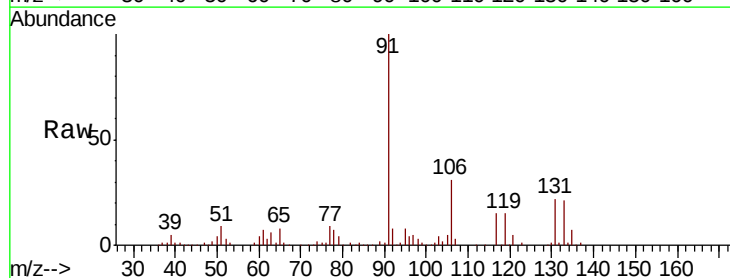
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

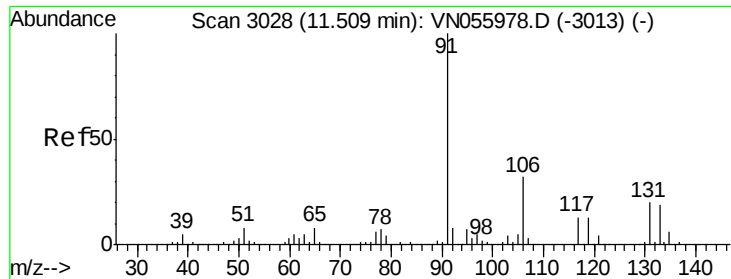
Tot Ion:112 Resp: 146337
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.130 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion:131 Resp: 54034
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.0
119 66.4 33.1 99.5

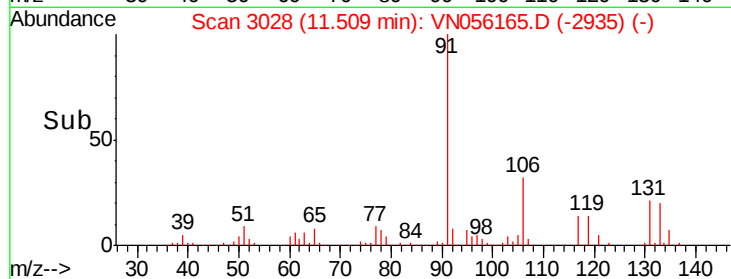
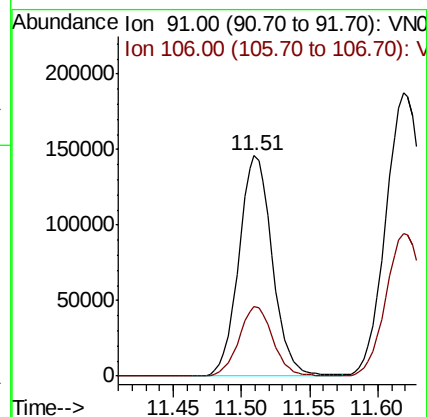
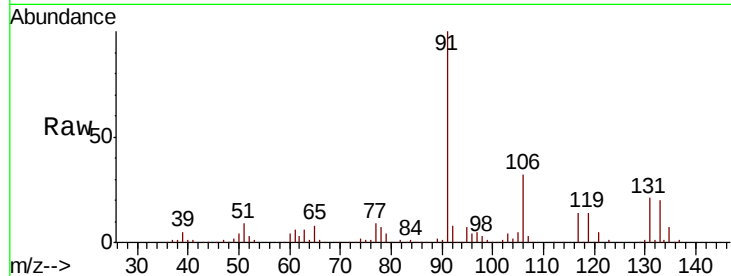




#67
Ethyl Benzene
Concen: 19.301 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

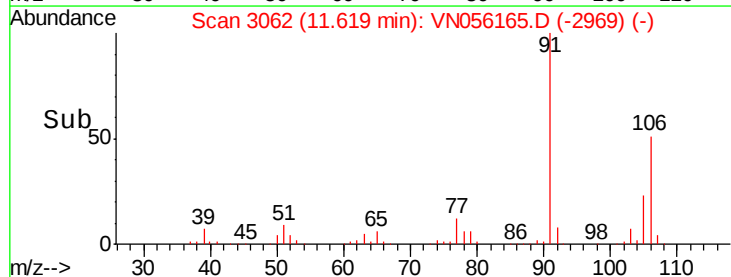
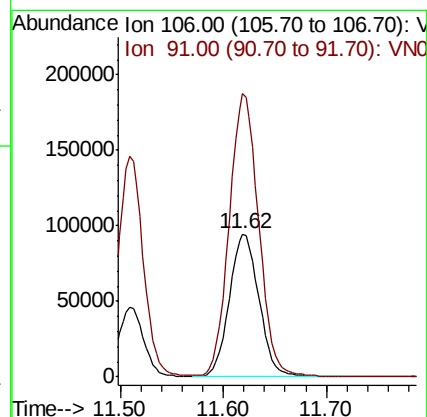
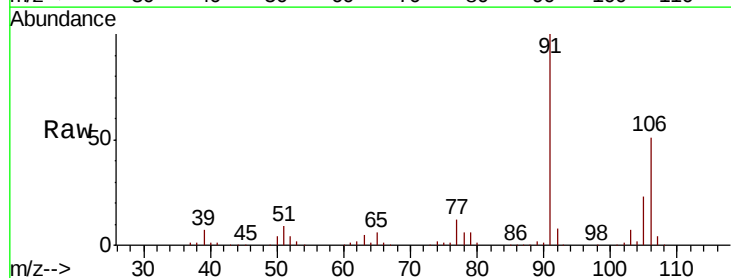
Instrument :
MSVOA_N
ClientSampled :
VN0610WBS01

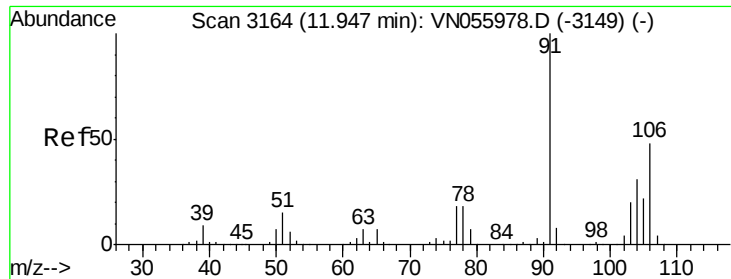
Tot Ion: 91 Resp: 248568
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 38.491 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 106 Resp: 189360
Ion Ratio Lower Upper
106 100
91 197.5 159.3 238.9

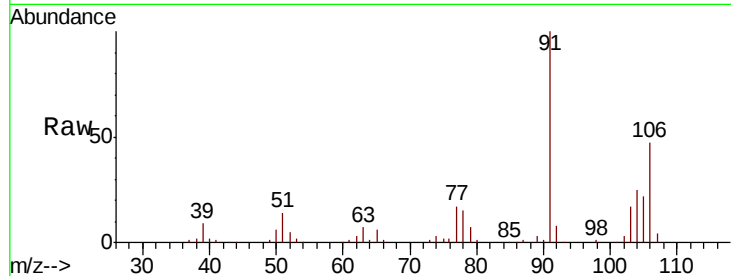




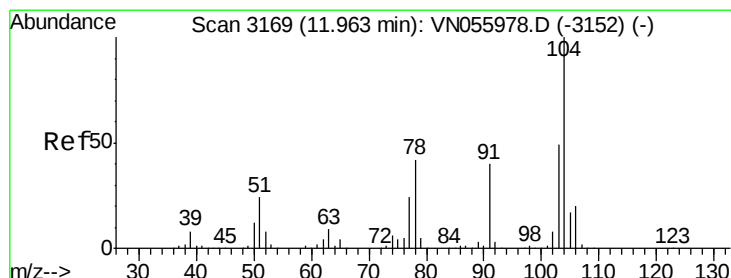
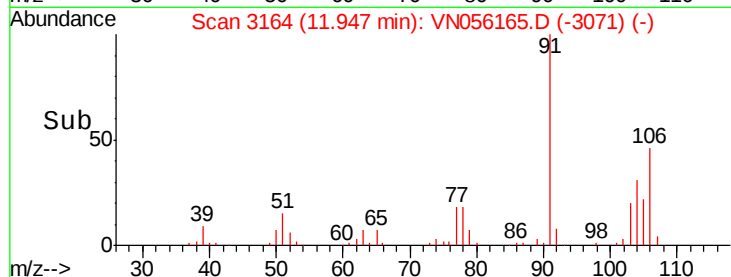
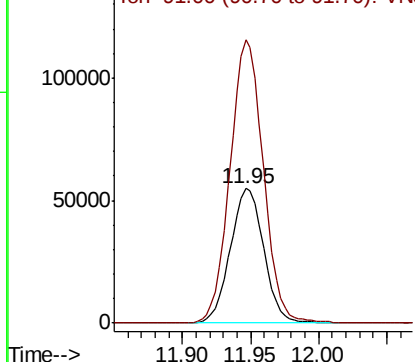
#69
o-Xylene
Concen: 19.393 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0610WBS01

Tot Ion:106 Resp: 93845
Ion Ratio Lower Upper
106 100
91 209.2 104.7 314.1

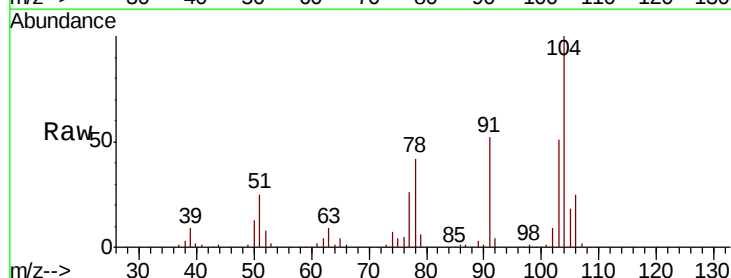


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

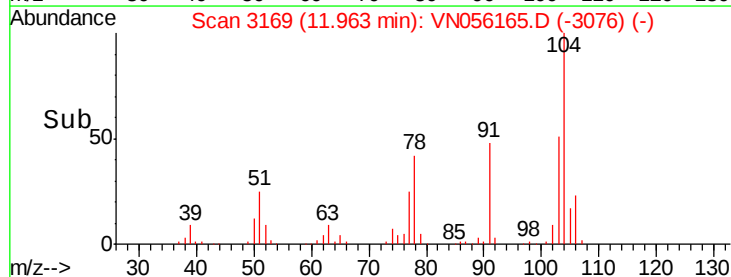
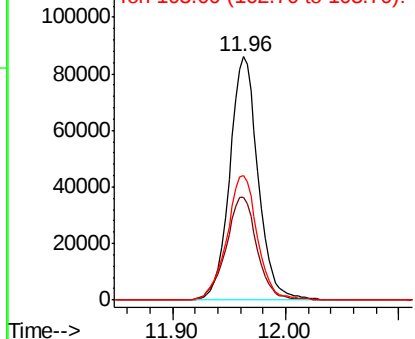


#70
Styrene
Concen: 19.500 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion:104 Resp: 149930
Ion Ratio Lower Upper
104 100
78 46.2 37.8 56.6
103 55.3 44.2 66.2



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





#71

Bromoform

Concen: 19.660 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0610WBS01

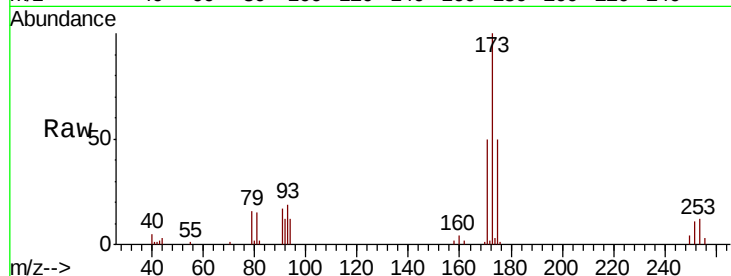
Tot Ion:173 Resp: 38430

Ion Ratio Lower Upper

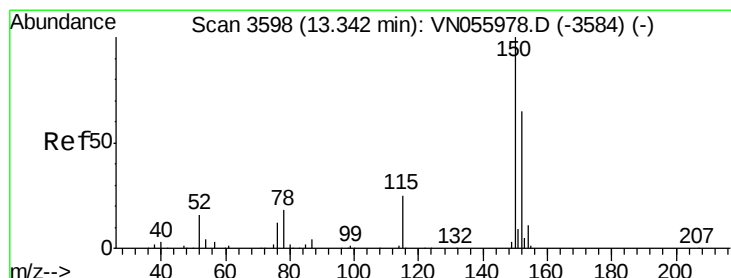
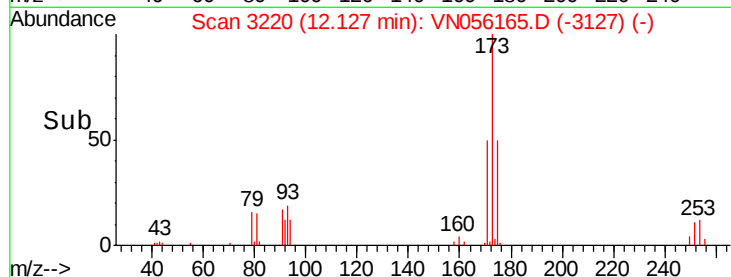
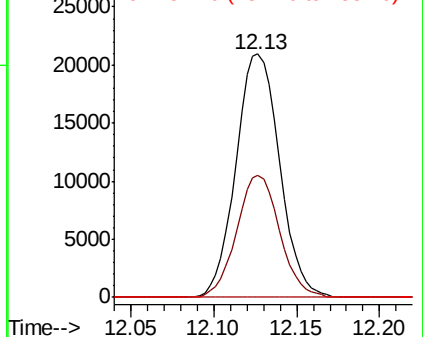
173 100

175 49.1 24.3 72.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

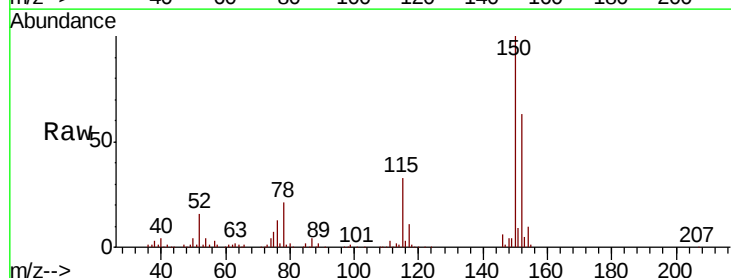
Tgt Ion:152 Resp: 147262

Ion Ratio Lower Upper

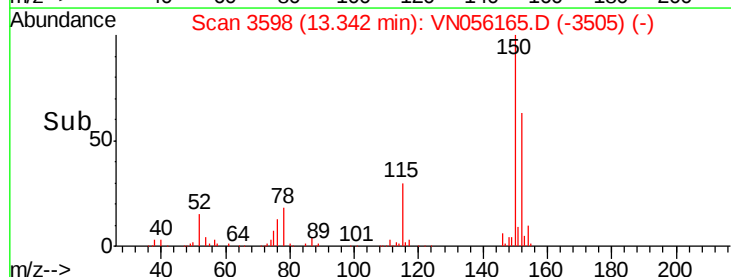
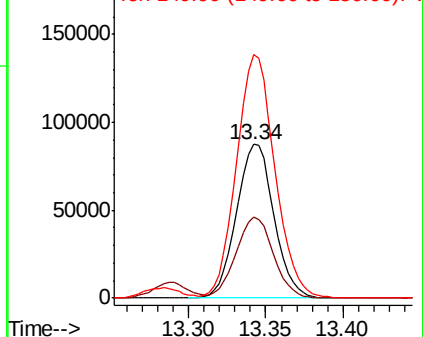
152 100

115 52.8 27.0 81.0

150 162.6 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.143 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

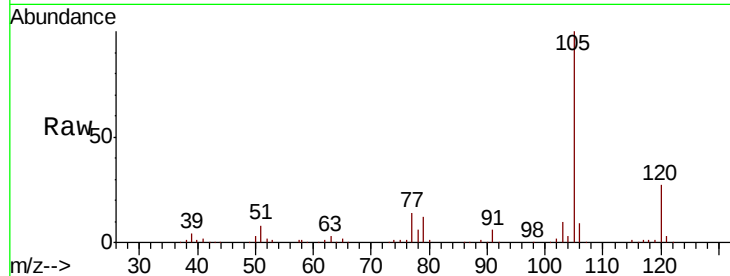
VN0610WBS01

Tot Ion:105 Resp: 246586

Ion Ratio Lower Upper

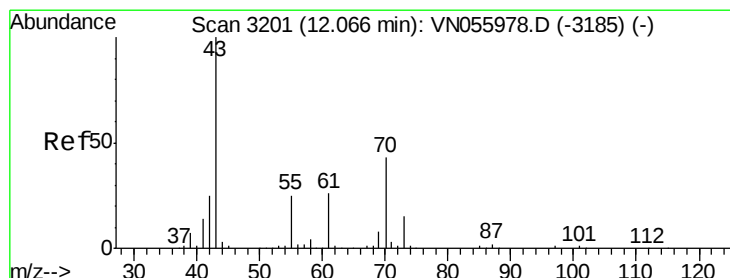
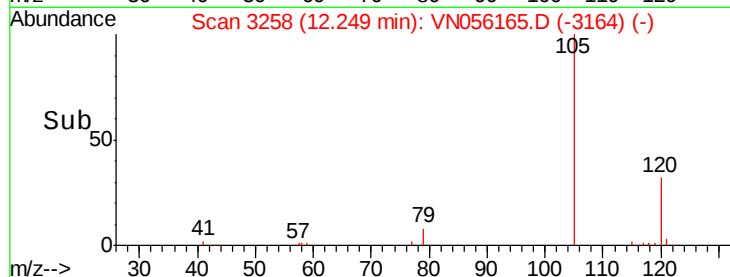
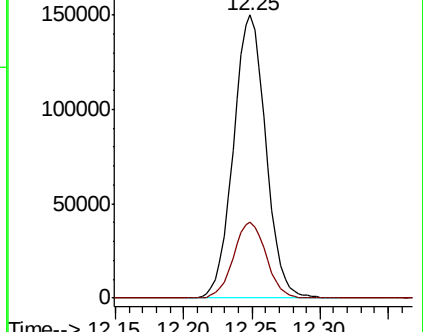
105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.473 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Tgt Ion: 43 Resp: 80368

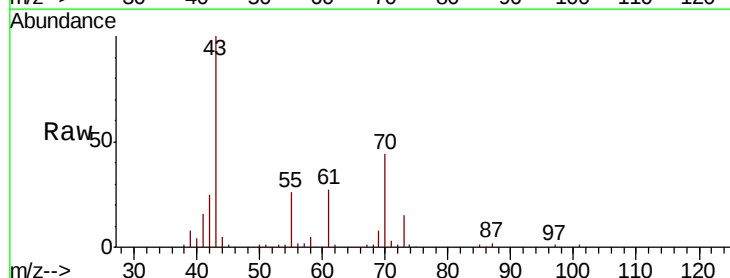
Ion Ratio Lower Upper

43 100

70 43.5 34.0 51.0

55 25.8 18.6 28.0

61 25.5 20.0 30.0

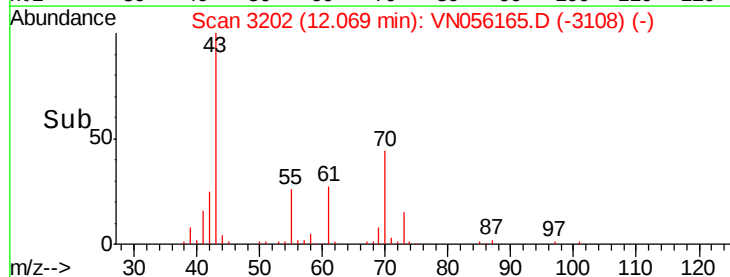
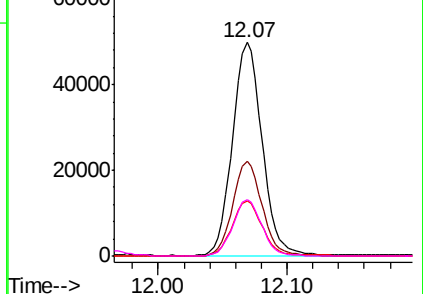


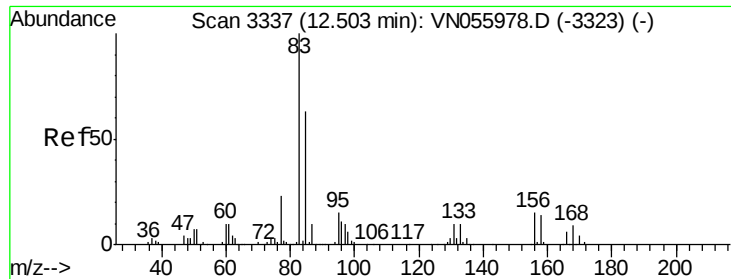
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.943 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

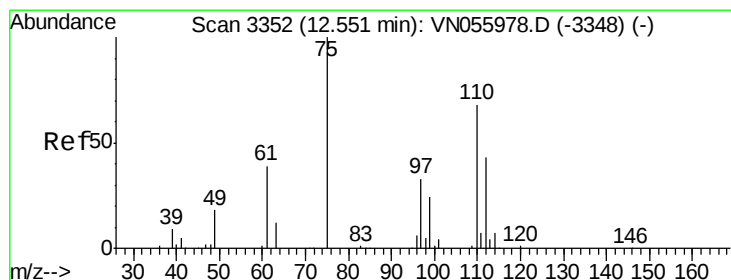
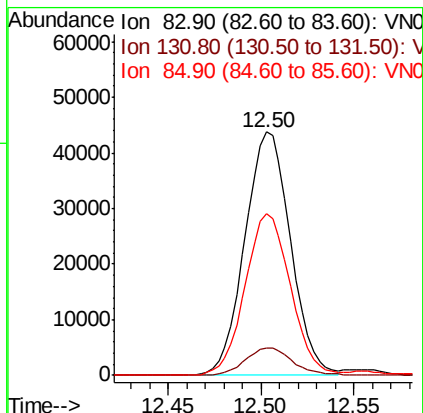
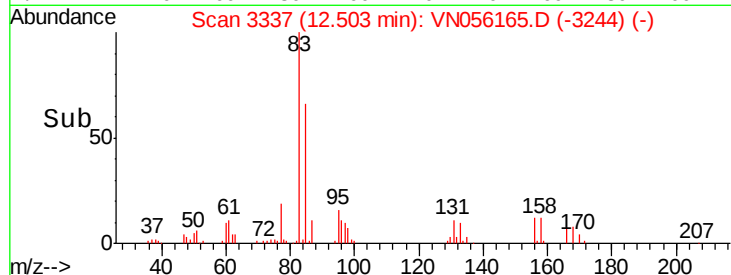
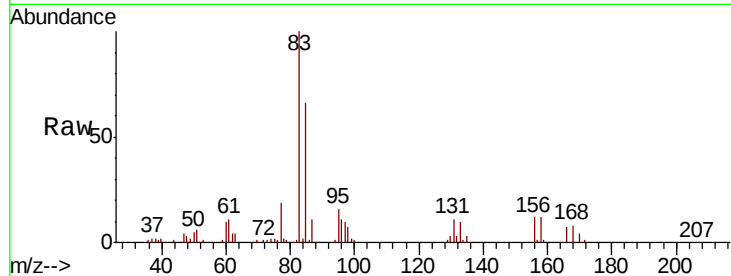
Tot Ion: 83 Resp: 75014

Ion Ratio Lower Upper

83 100

131 11.5 5.4 16.2

85 66.0 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 31.612 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056165.D

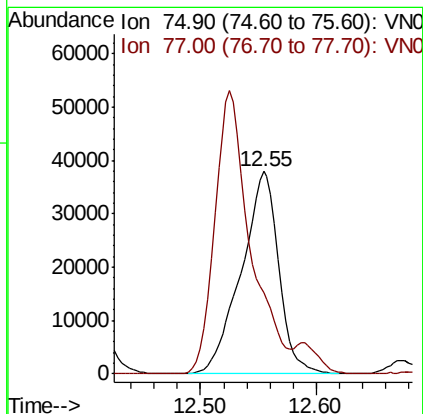
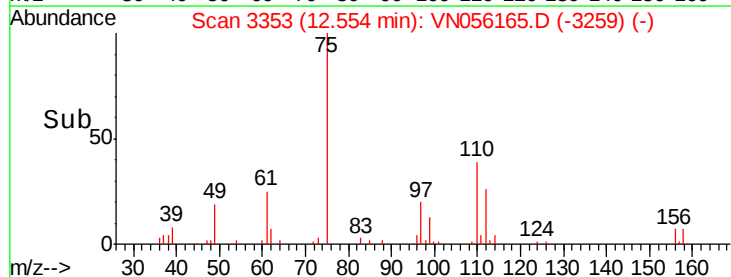
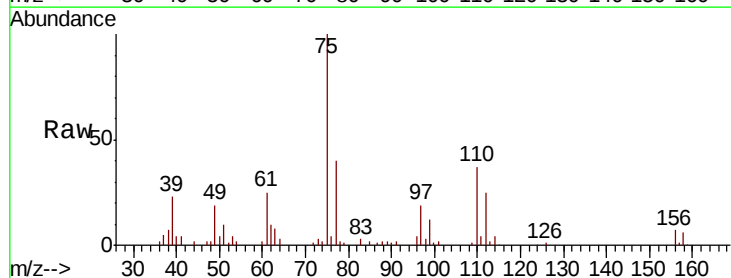
Acq: 10 Jun 2019 13:17

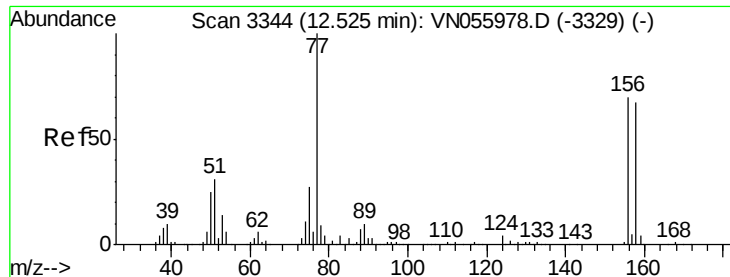
Tgt Ion: 75 Resp: 85658

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.748 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

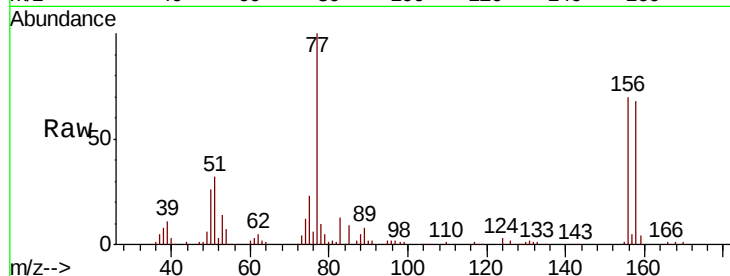
Tot Ion:156 Resp: 65414

Ion Ratio Lower Upper

156 100

77 173.8 90.8 272.5

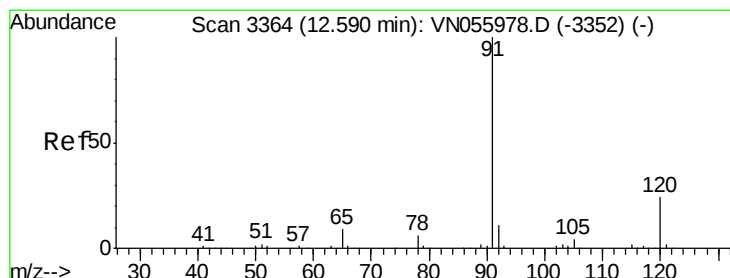
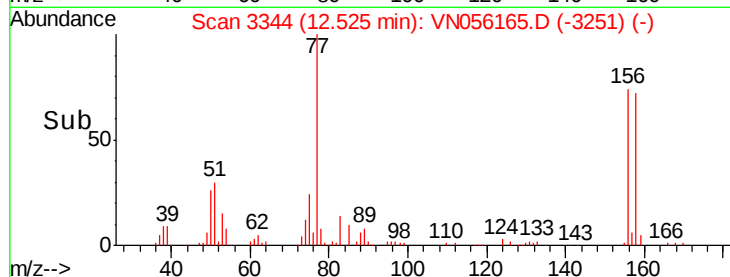
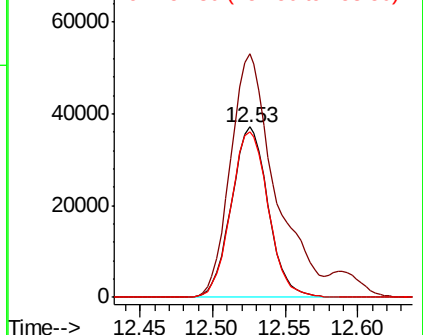
158 98.6 49.3 147.8



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: 20.041 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056165.D

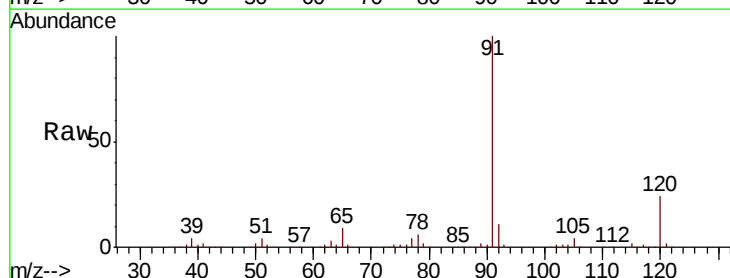
Acq: 10 Jun 2019 13:17

Tgt Ion: 91 Resp: 249680

Ion Ratio Lower Upper

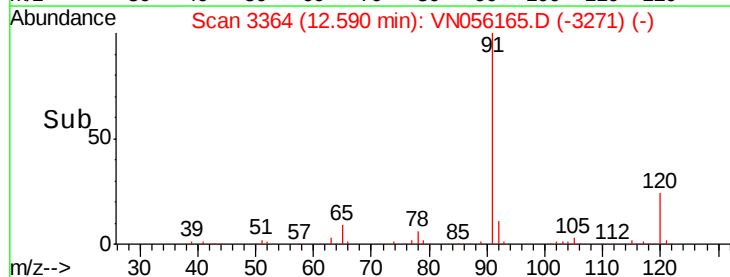
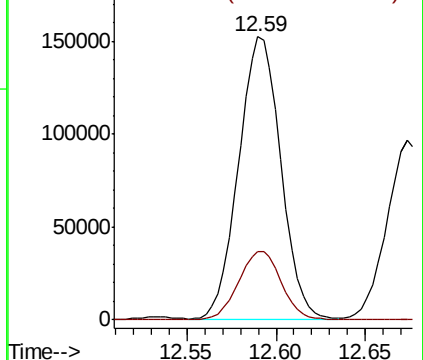
91 100

120 24.7 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: 21.609 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

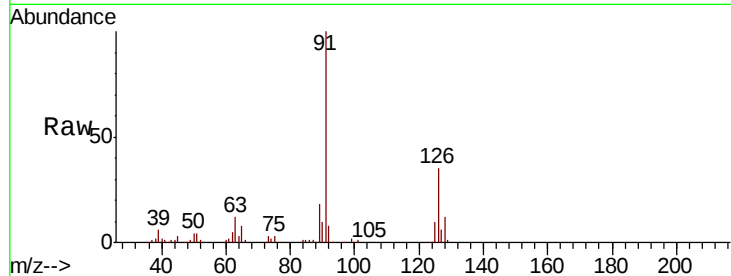
VN0610WBS01

Tot Ion: 91 Resp: 158433

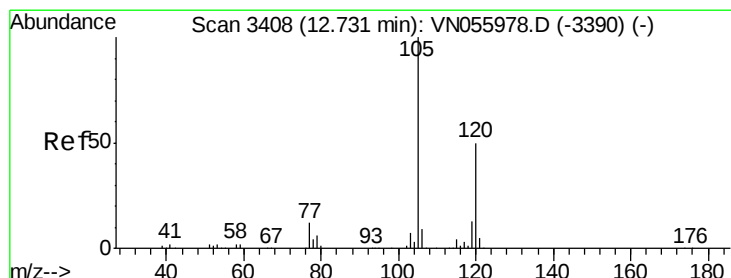
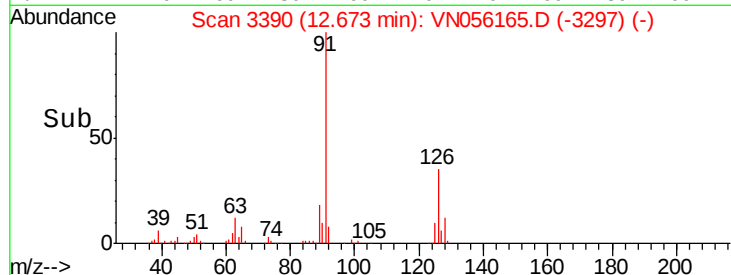
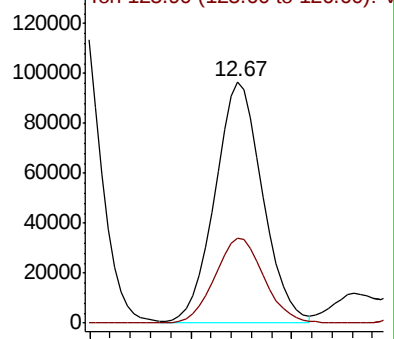
Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.4



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



#80

1,3,5-Trimethylbenzene

Concen: 20.226 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056165.D

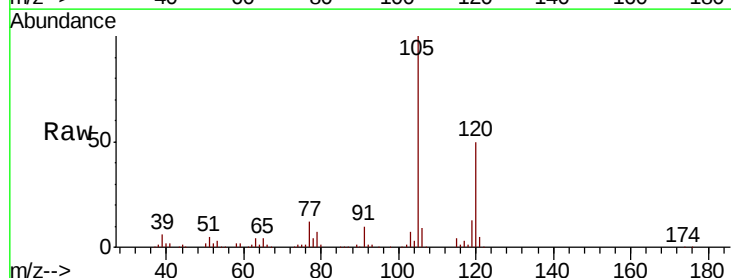
Acq: 10 Jun 2019 13:17

Tgt Ion: 105 Resp: 200264

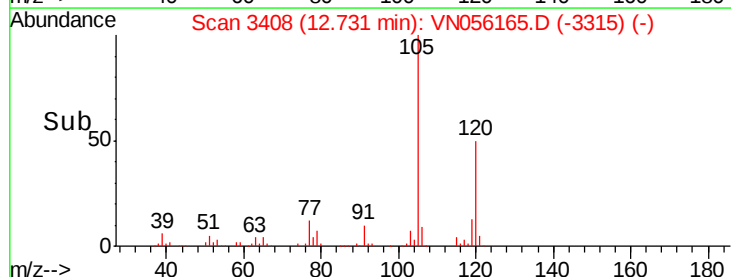
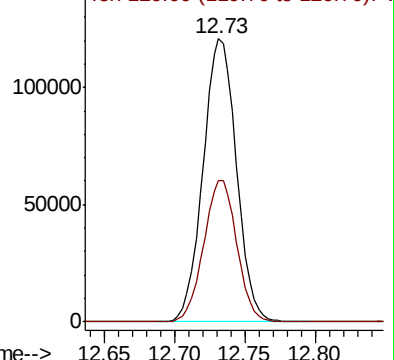
Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.342 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

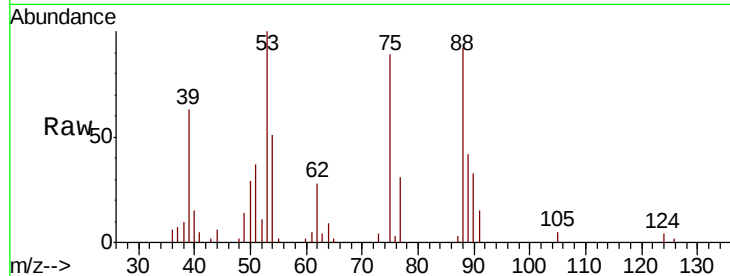
Tot Ion: 75 Resp: 14924

Ion Ratio Lower Upper

75 100

53 112.8 68.1 102.1#

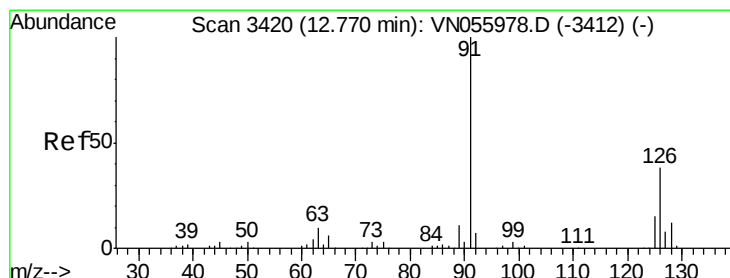
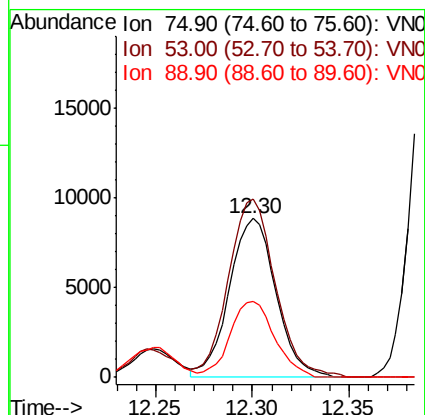
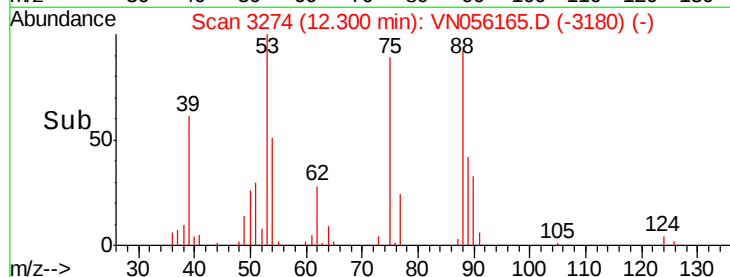
89 45.6 36.9 55.3



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: 19.870 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056165.D

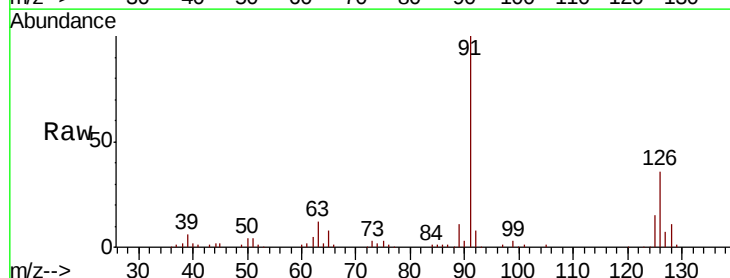
Acq: 10 Jun 2019 13:17

Tgt Ion: 91 Resp: 144824

Ion Ratio Lower Upper

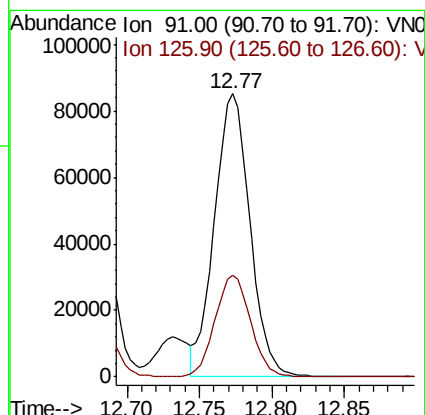
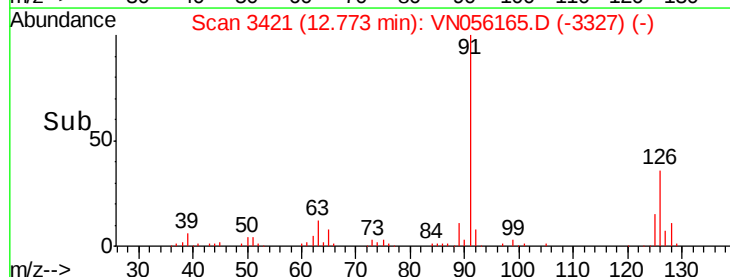
91 100

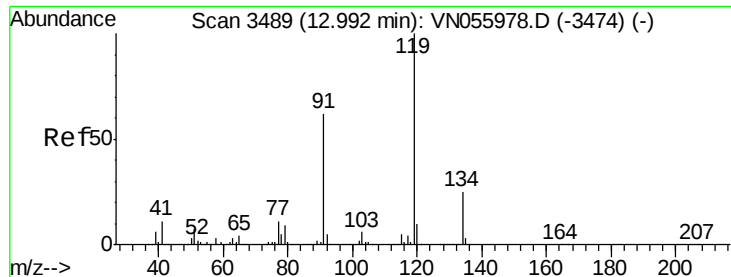
126 35.9 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

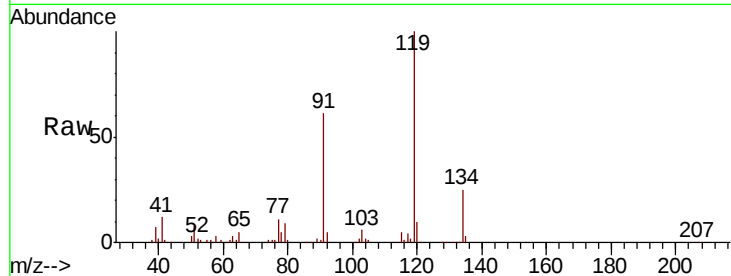




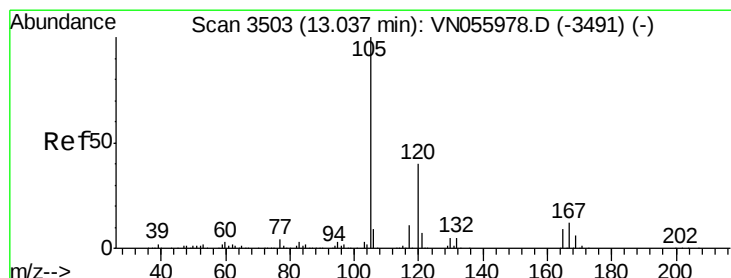
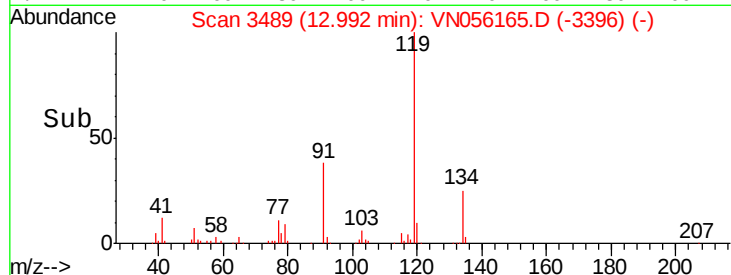
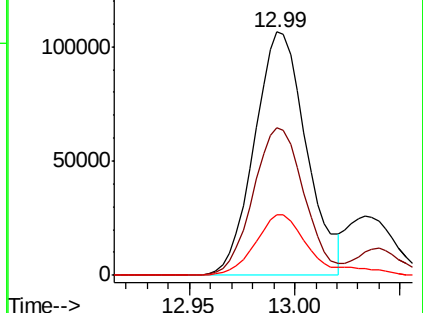
#83
 tert-Butylbenzene
 Concen: 22.246 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0610WBS01

Tot Ion:119 Resp: 182532
 Ion Ratio Lower Upper
 119 100
 91 59.5 30.9 92.8
 134 26.4 13.3 39.8

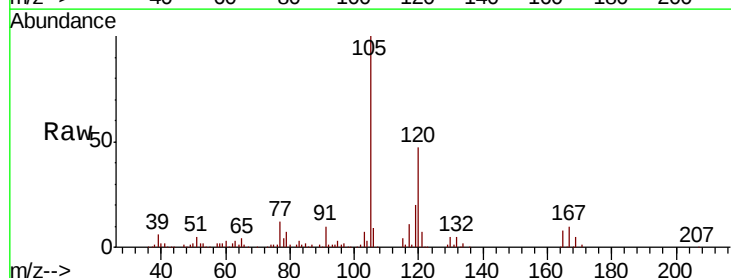


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

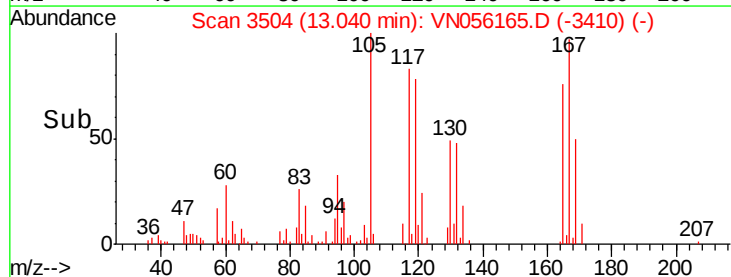
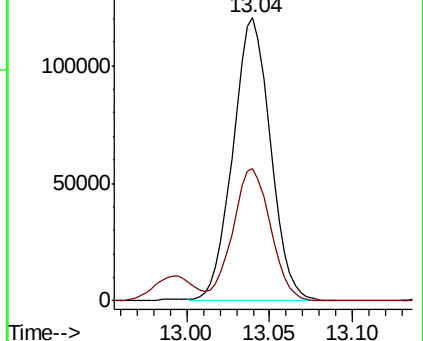


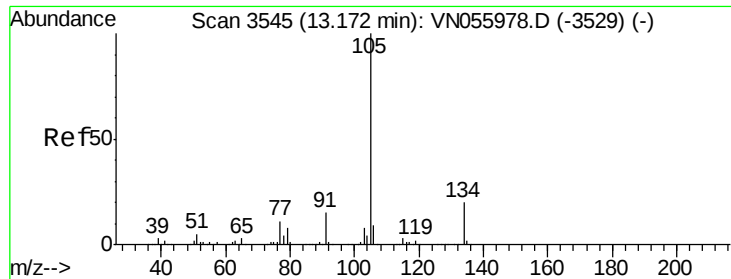
#84
 1,2,4-Trimethylbenzene
 Concen: 20.281 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion:105 Resp: 190424
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 20.341 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

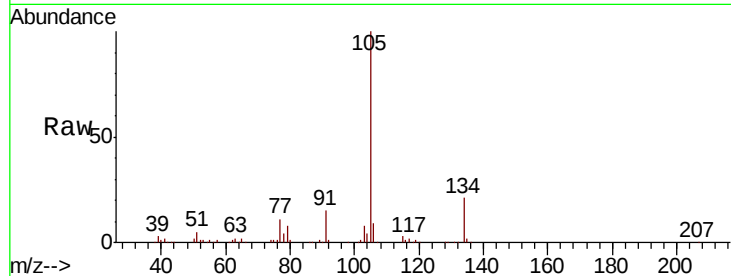
VN0610WBS01

Tot Ion:105 Resp: 224419

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

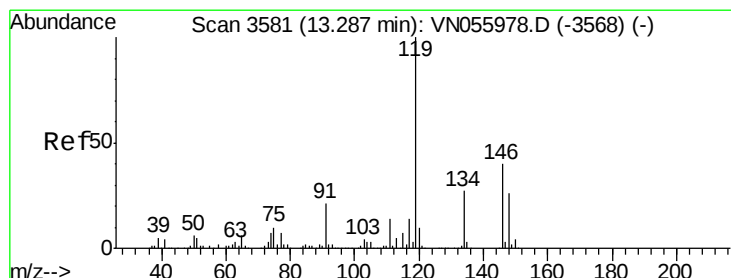
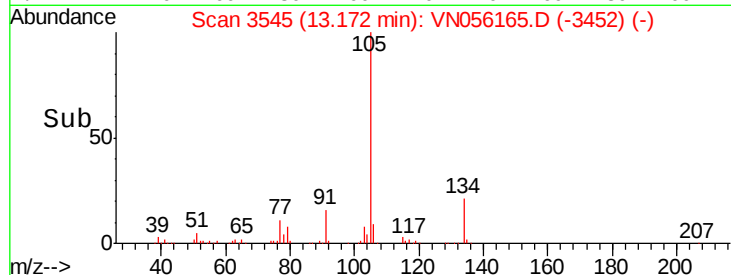
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.890 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

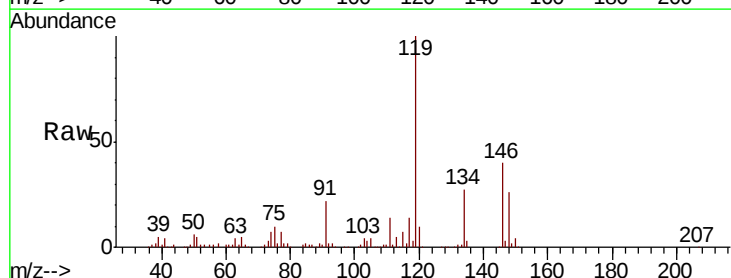
Tgt Ion:119 Resp: 196400

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.8 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

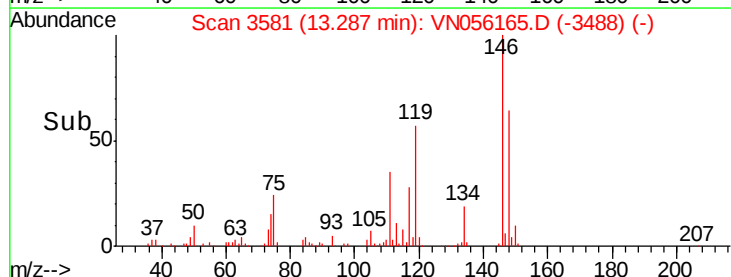
150000

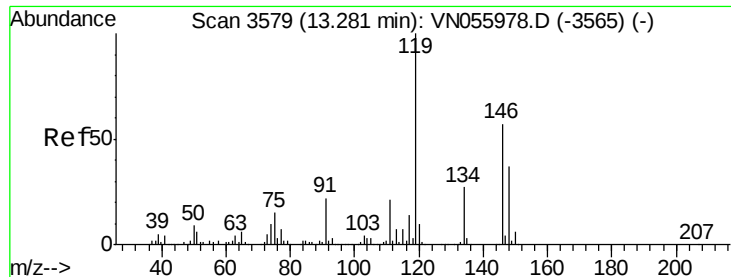
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.797 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

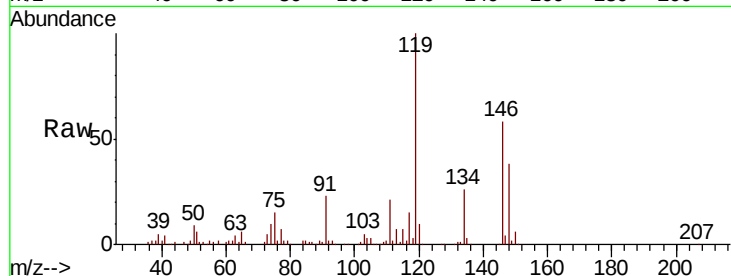
Tot Ion:146 Resp: 96604

Ion Ratio Lower Upper

146 100

111 35.9 18.5 55.5

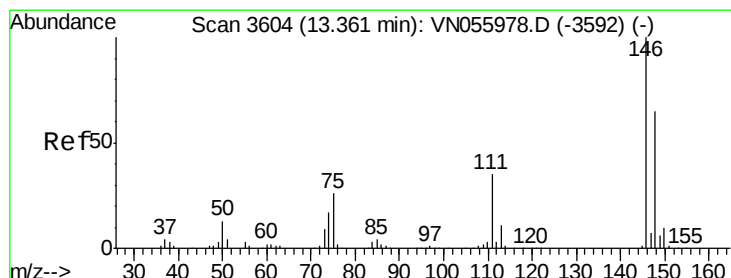
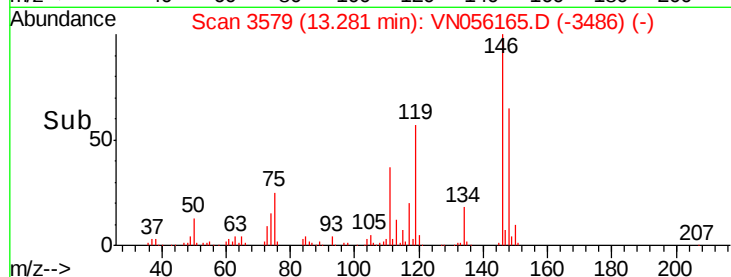
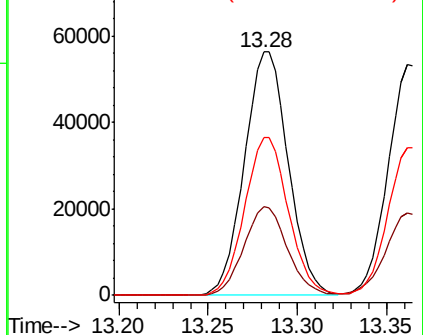
148 64.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.310 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

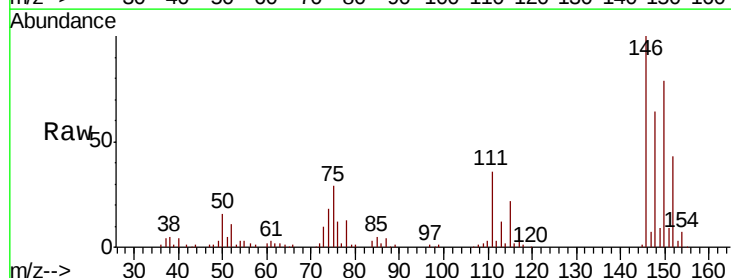
Tgt Ion:146 Resp: 90643

Ion Ratio Lower Upper

146 100

111 37.0 18.1 54.4

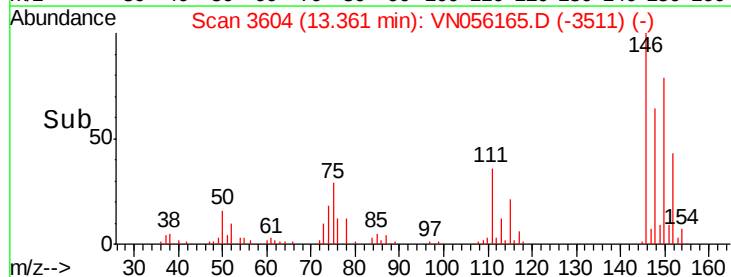
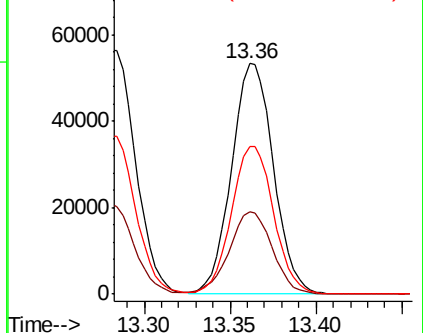
148 64.6 32.1 96.5

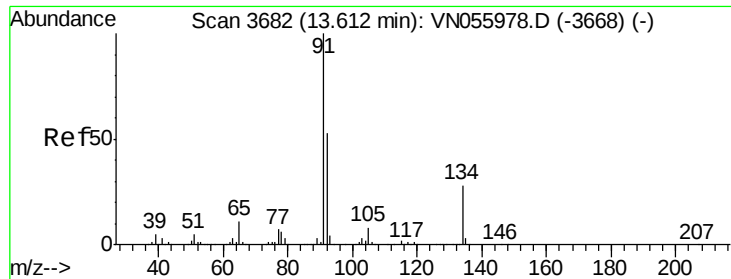


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.994 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0610WBS01

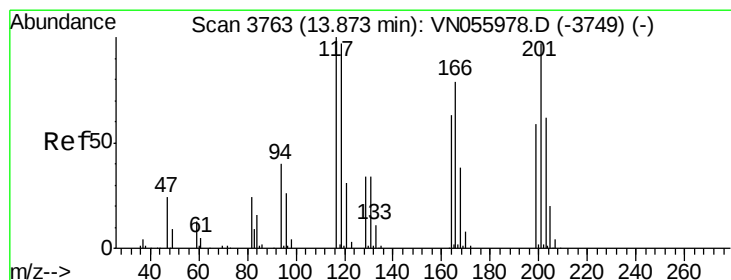
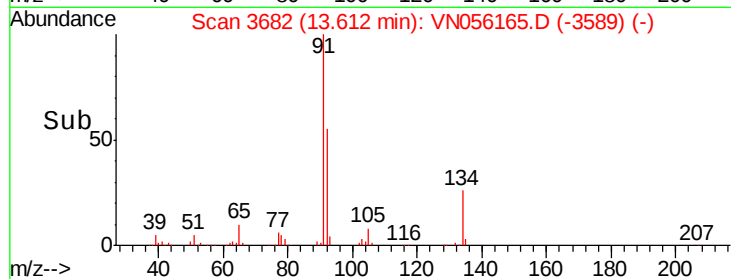
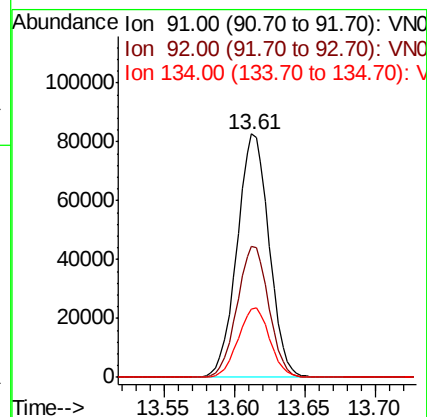
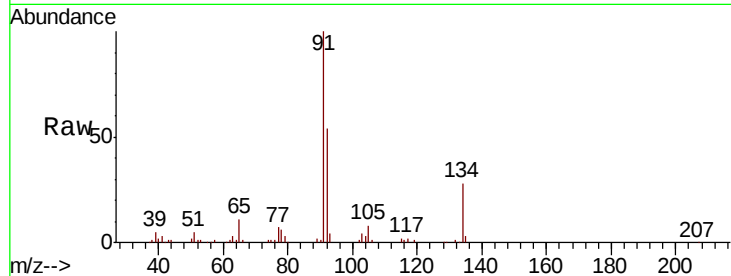
Tot Ion: 91 Resp: 131621

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.0

134 28.3 13.9 41.7



#90

Hexachloroethane

Concen: 21.802 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056165.D

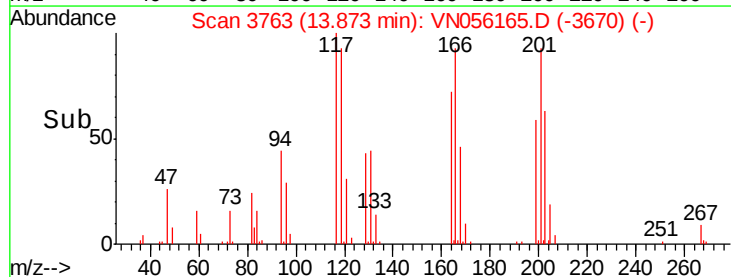
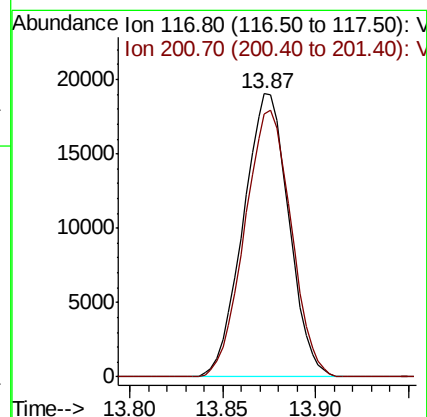
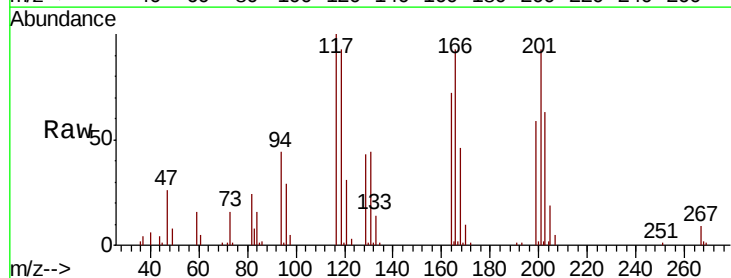
Acq: 10 Jun 2019 13:17

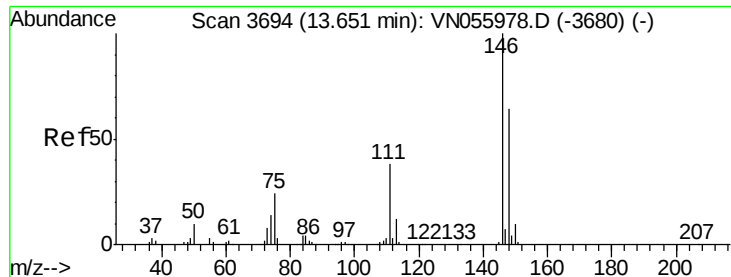
Tgt Ion: 117 Resp: 32465

Ion Ratio Lower Upper

117 100

201 95.9 50.0 150.0

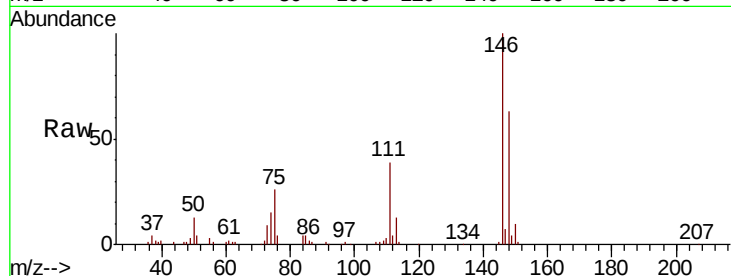




#91
 1,2-Dichlorobenzene
 Concen: 20.357 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.0	31.9	95.9

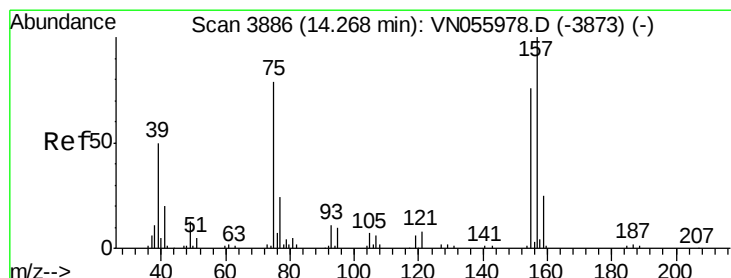
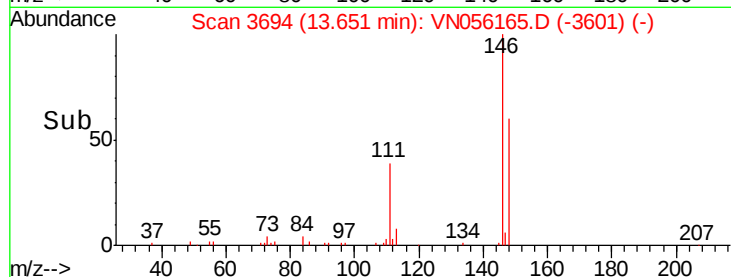
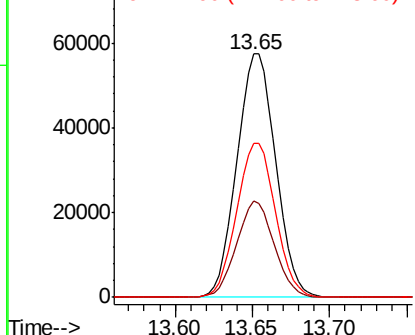


Abundance

Ion 145.90 (145.60 to 146.60): V

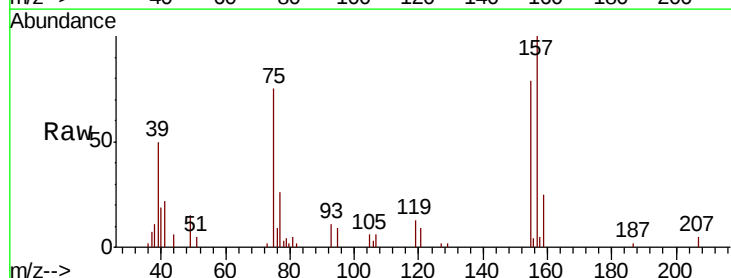
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.627 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	50.0	150.1
157	133.0	64.8	194.3

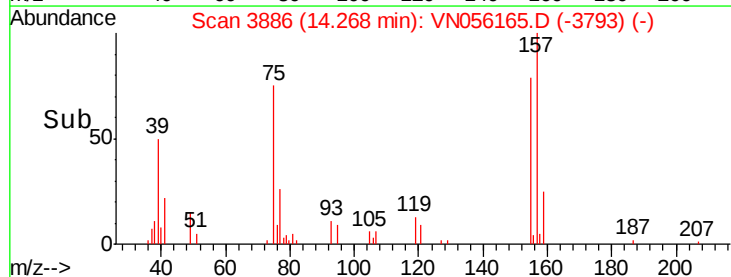
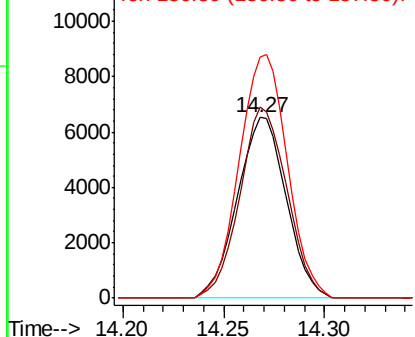


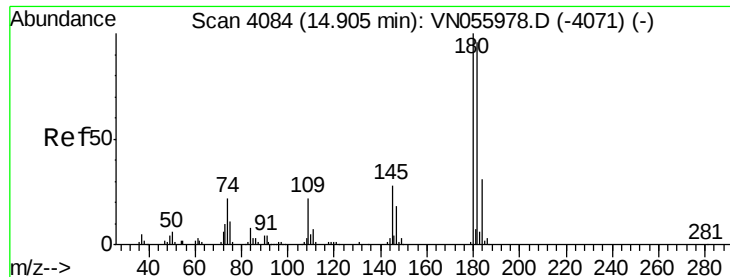
Abundance

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

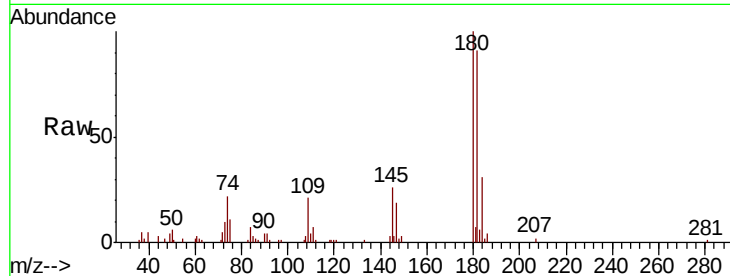




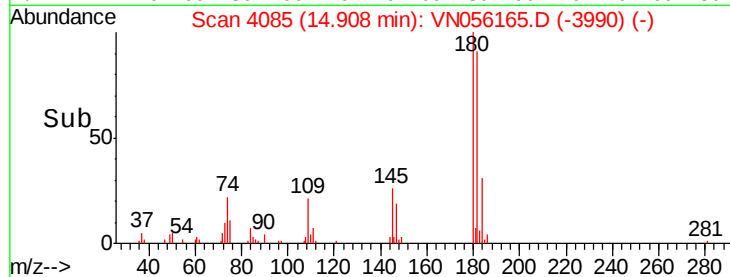
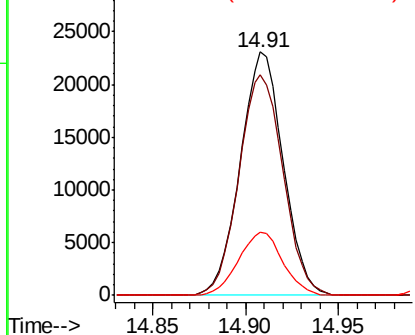
#93
 1,2,4-Trichlorobenzene
 Concen: 16.749 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion:180 Resp: 37043
 Ion Ratio Lower Upper
 180 100
 182 93.2 48.3 144.9
 145 26.6 14.0 41.9

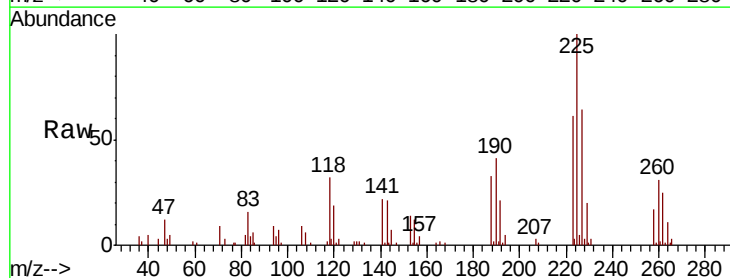


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

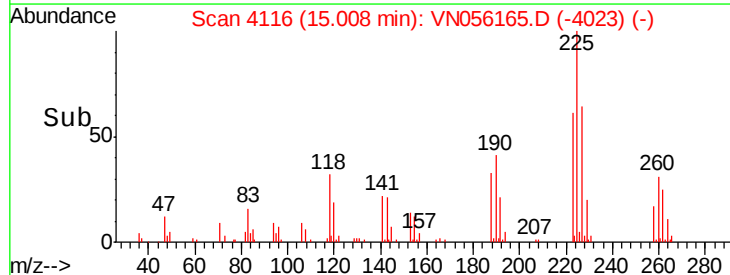
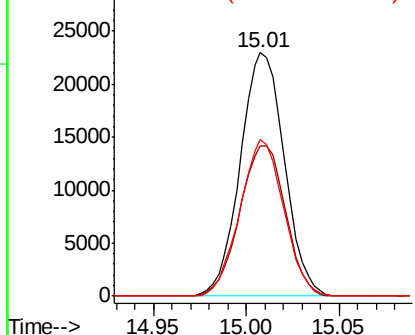


#94
 Hexachlorobutadiene
 Concen: 21.200 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion:225 Resp: 37851
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.9 92.7
 227 64.0 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: 16.957 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

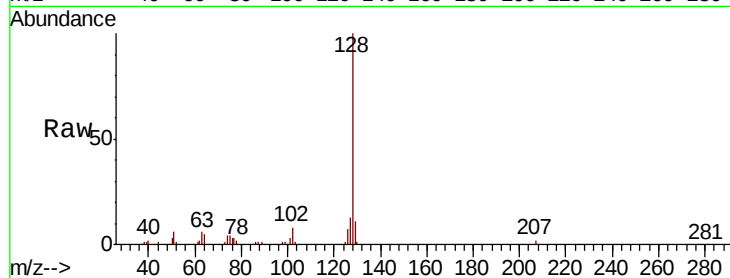
Tot Ion:128 Resp: 100016

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

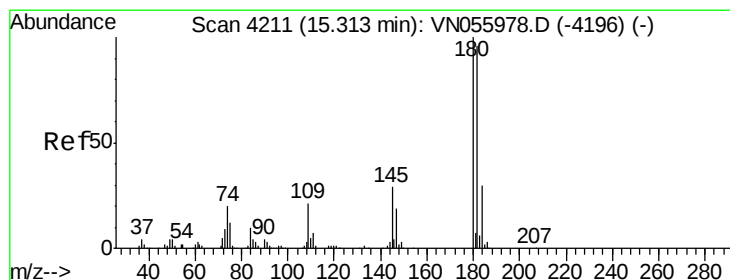
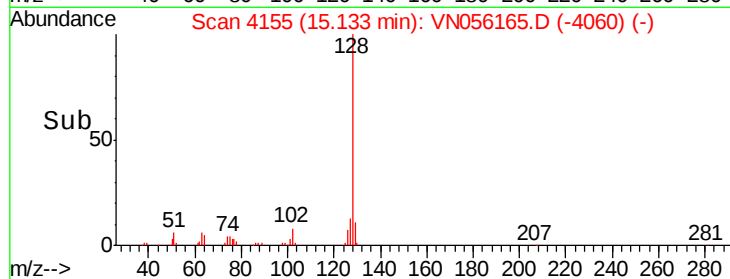
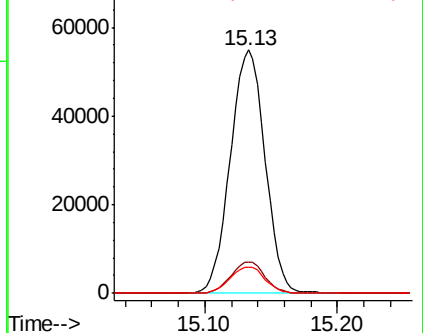
129 10.8 8.7 13.1



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: 18.137 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

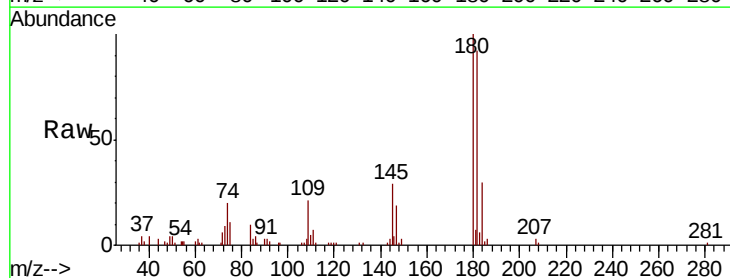
Tgt Ion:180 Resp: 44493

Ion Ratio Lower Upper

180 100

182 93.5 47.9 143.7

145 29.3 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

