

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061121.D
 Acq On : 20 Apr 2020 23:47
 Operator : JC/MD
 Sample : VN0420WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Quant Time: Apr 21 04:06:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	159273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	269540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	243489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110928	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	94748	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	7.56	113	73256	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	10.08	98	263802	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
62) 4-Bromofluorobenzene	12.39	95	101448	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	36217	17.443	ug/l 100
3) Chloromethane	2.04	50	48469	17.158	ug/l 100
4) Vinyl Chloride	2.17	62	42234	17.991	ug/l 99
5) Bromomethane	2.55	94	21411	18.188	ug/l 97
6) Chloroethane	2.69	64	24335	17.970	ug/l 100
7) Trichlorofluoromethane	3.00	101	53695	18.373	ug/l 99
8) Diethyl Ether	3.38	74	21014	18.091	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	30134	17.574	ug/l 100
10) Methyl Iodide	3.93	142	28328	18.727	ug/l 97
11) Tert butyl alcohol	4.72	59	34732	96.062	ug/l 100
12) 1,1-Dichloroethene	3.72	96	31048	17.813	ug/l 98
13) Acrolein	3.58	56	19474	63.791	ug/l 100
14) Allyl chloride	4.29	41	55024	16.685	ug/l 99
15) Acrylonitrile	4.94	53	93632	95.512	ug/l 98
16) Acetone	3.78	43	76902	85.738	ug/l 98
17) Carbon Disulfide	4.03	76	94327	17.295	ug/l 100
18) Methyl Acetate	4.29	43	55192	19.623	ug/l 99
19) Methyl tert-butyl Ether	5.00	73	110318	18.152	ug/l 99
20) Methylene Chloride	4.52	84	35337	18.045	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	33721	18.089	ug/l 98
22) Diisopropyl ether	5.91	45	123407	18.018	ug/l 98
23) Vinyl Acetate	5.86	43	476465	88.712	ug/l 100
24) 1,1-Dichloroethane	5.82	63	67039	18.123	ug/l 100
25) 2-Butanone	6.80	43	126395	91.961	ug/l 100
26) 2,2-Dichloropropane	6.79	77	48017	15.590	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	38751	18.106	ug/l 98
28) Bromochloromethane	7.17	49	30809	18.144	ug/l 99
29) Tetrahydrofuran	7.18	42	86665	92.880	ug/l 99
30) Chloroform	7.35	83	63232	18.326	ug/l 100
31) Cyclohexane	7.63	56	64977	17.117	ug/l 95
32) 1,1,1-Trichloroethane	7.54	97	54487	18.257	ug/l 99
36) 1,1-Dichloropropene	7.77	75	49193	17.686	ug/l 99
37) Ethyl Acetate	6.89	43	54552	18.063	ug/l 99
38) Carbon Tetrachloride	7.75	117	42136	18.200	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56339	16.942	ug/l	98
40) Benzene	8.02	78	146744	17.784	ug/l	99
41) Methacrylonitrile	7.18	41	78219	62.093	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	51972	18.489	ug/l	100
43) Isopropyl Acetate	8.14	43	88448	18.007	ug/l	99
44) Trichloroethene	8.82	130	36766	17.732	ug/l	99
45) 1,2-Dichloropropane	9.10	63	39371	17.665	ug/l	99
46) Dibromomethane	9.19	93	23733	18.469	ug/l	99
47) Bromodichloromethane	9.38	83	49653	18.291	ug/l	98
48) Methyl methacrylate	9.18	41	38569	17.768	ug/l	99
49) 1,4-Dioxane	9.18	88	11057	375.549	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	263998	93.234	ug/l	100
52) Toluene	10.14	92	87105	17.596	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	55498	17.600	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	60151	17.483	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	34958	18.661	ug/l	99
56) Ethyl methacrylate	10.42	69	52720	17.897	ug/l	98
57) 1,3-Dichloropropane	10.70	76	60377	18.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	118429	88.476	ug/l	100
59) 2-Hexanone	10.74	43	189857	92.973	ug/l	100
60) Dibromochloromethane	10.89	129	34911	18.142	ug/l	99
61) 1,2-Dibromoethane	10.99	107	34313	17.975	ug/l	99
64) Tetrachloroethene	10.62	164	34635	18.589	ug/l	99
65) Chlorobenzene	11.42	112	88459	17.598	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	32621	18.140	ug/l	100
67) Ethyl Benzene	11.50	91	167606	17.727	ug/l	99
68) m/p-Xylenes	11.61	106	121423	35.534	ug/l	99
69) o-Xylene	11.94	106	58299	17.745	ug/l	100
70) Styrene	11.96	104	94321	17.833	ug/l	99
71) Bromoform	12.12	173	24204	18.031	ug/l #	100
73) Isopropylbenzene	12.24	105	158286	17.811	ug/l	100
74) N-amyl acetate	12.06	43	71994	17.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	49868	18.382	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	66852	27.399	ug/l #	100
77) Bromobenzene	12.52	156	36804	17.737	ug/l	100
78) n-propylbenzene	12.58	91	186071	17.896	ug/l	100
79) 2-Chlorotoluene	12.67	91	108794	17.840	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	130718	17.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	16122	16.298	ug/l	98
82) 4-Chlorotoluene	12.77	91	113432	17.935	ug/l	100
83) tert-Butylbenzene	12.99	119	111336	18.022	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	130801	18.014	ug/l	99
85) sec-Butylbenzene	13.17	105	150851	18.022	ug/l	99
86) p-Isopropyltoluene	13.28	119	131055	17.583	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	65856	17.809	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	65304	17.554	ug/l	99
89) n-Butylbenzene	13.61	91	118026	17.028	ug/l	100
90) Hexachloroethane	13.87	117	20246	17.704	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	64182	18.185	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10249	19.521	ug/l	96

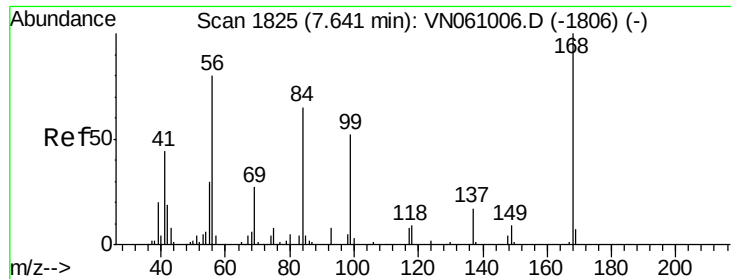
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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	37244	17.829	ug/l	98
94) Hexachlorobutadiene	15.01	225	18289	17.019	ug/l	98
95) Naphthalene	15.13	128	111568	18.313	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	35958	17.862	ug/l	98

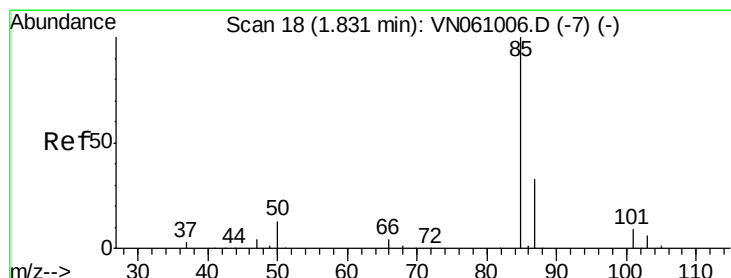
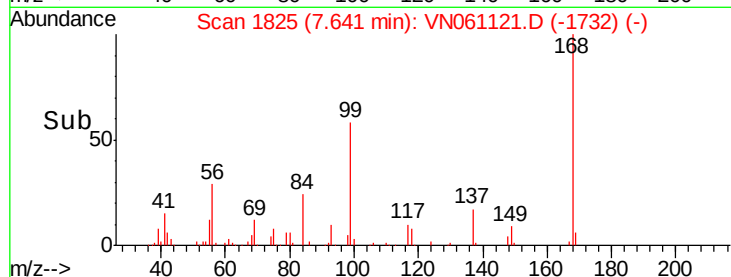
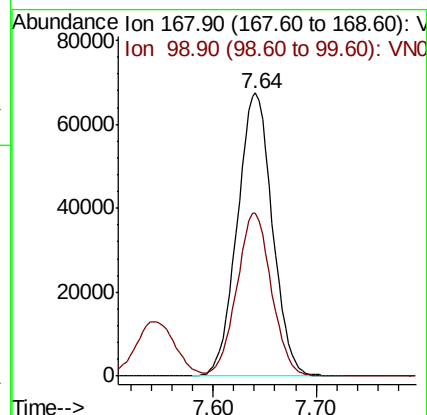
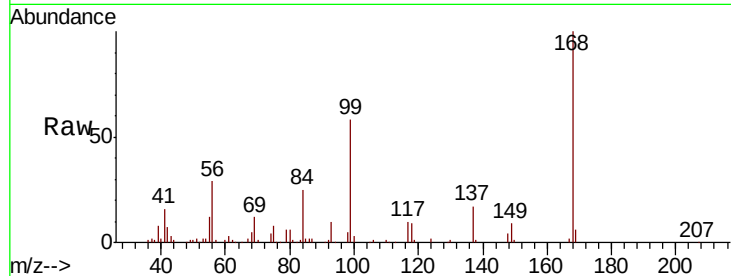
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
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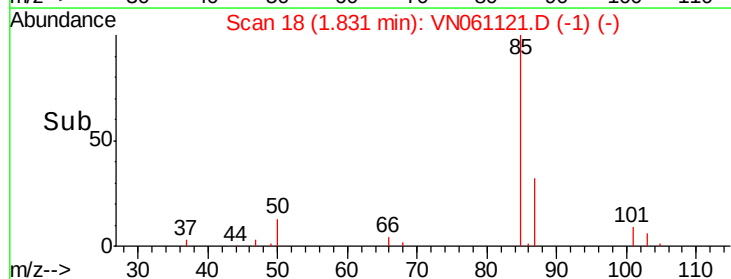
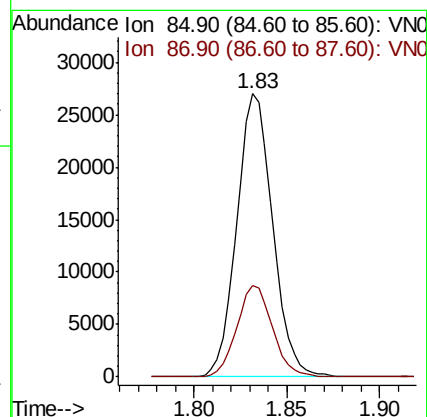
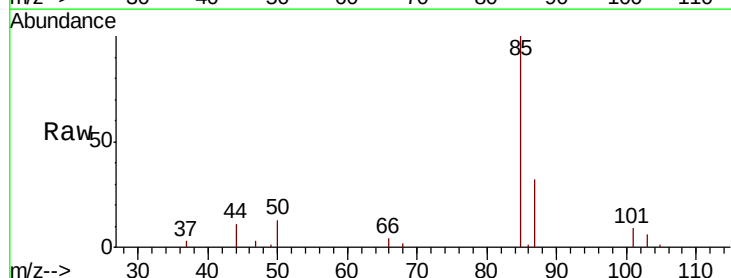
Instrument :
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VN0420WBSD02

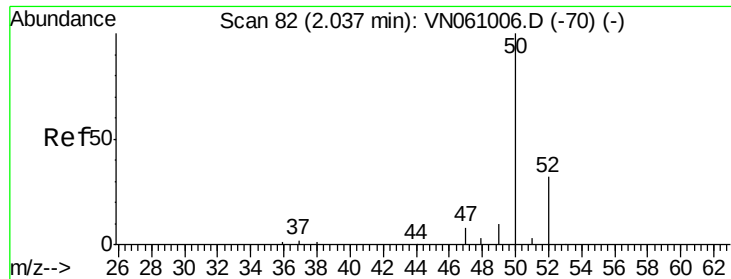
Tot Ion:168 Resp: 159273
Ion Ratio Lower Upper
168 100
99 57.6 47.4 71.2



#2
Dichlorodifluoromethane
Concen: 17.443 ug/l
RT: 1.83 min Scan# 18
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 85 Resp: 36217
Ion Ratio Lower Upper
85 100
87 32.4 16.3 48.9





#3

Chloromethane

Concen: 17.158 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

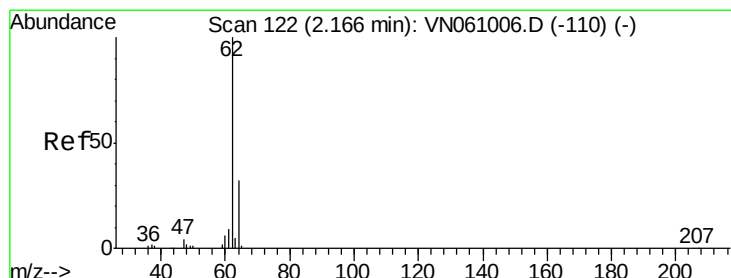
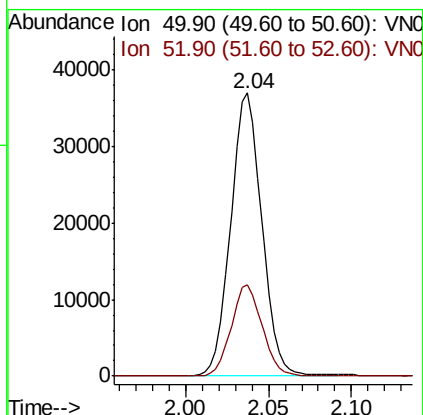
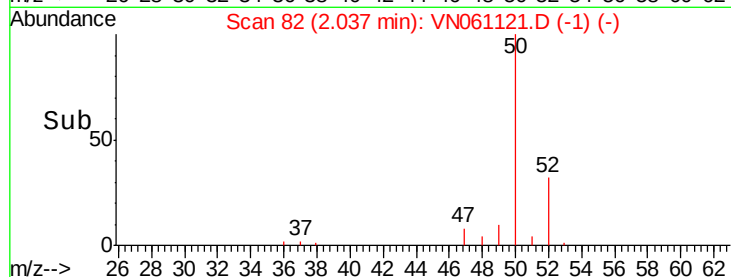
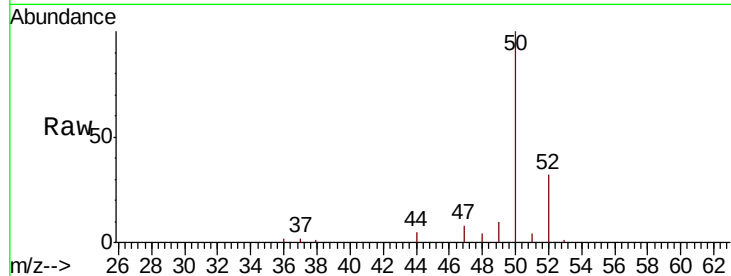
VN0420WBSD02

Tot Ion: 50 Resp: 48469

Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4



#4

Vinyl Chloride

Concen: 17.991 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061121.D

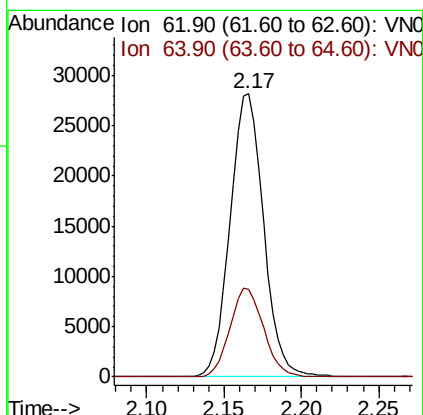
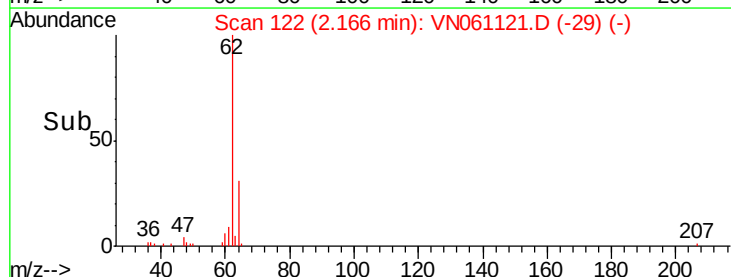
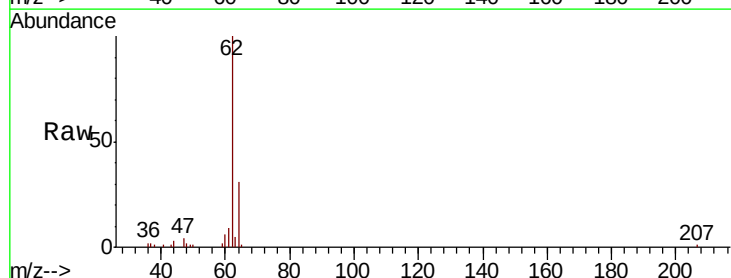
Acq: 20 Apr 2020 23:47

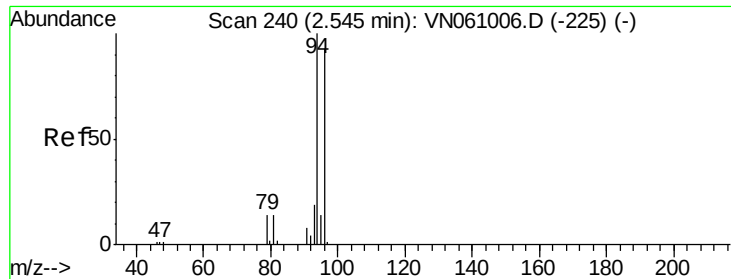
Tgt Ion: 62 Resp: 42234

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0





#5

Bromomethane

Concen: 18.188 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

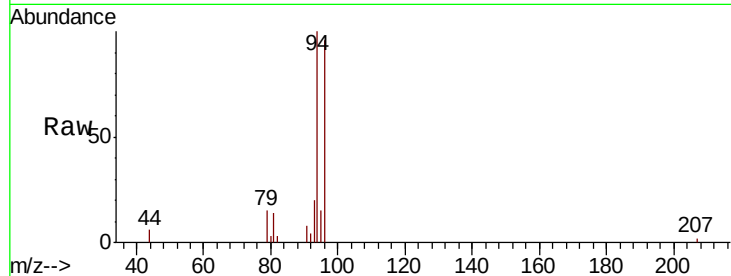
VN0420WBSD02

Tot Ion: 94 Resp: 21411

Ion Ratio Lower Upper

94 100

96 96.1 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN061121.D (-147) (-)

Ion 95.90 (95.60 to 96.60): VN061121.D (-147) (-)

2.55

12000

10000

8000

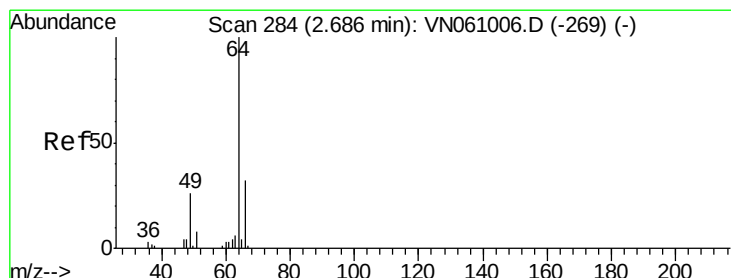
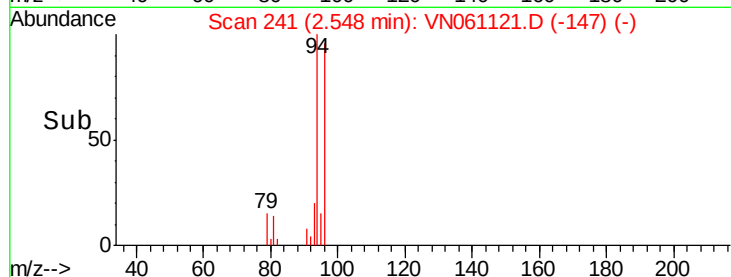
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 17.970 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061121.D

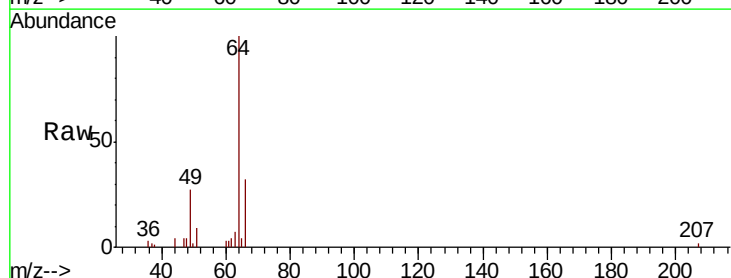
Acq: 20 Apr 2020 23:47

Tgt Ion: 64 Resp: 24335

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN061121.D (-191) (-)

Ion 65.90 (65.60 to 66.60): VN061121.D (-191) (-)

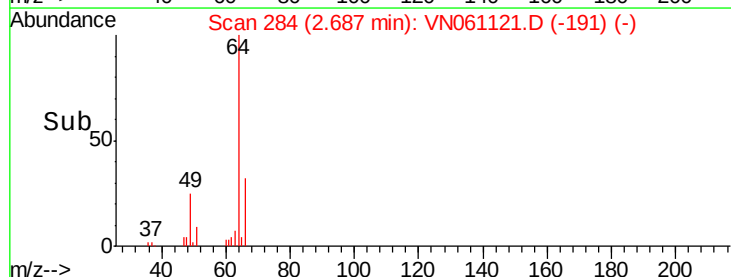
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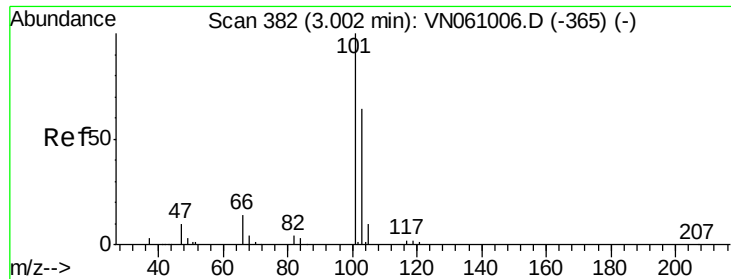
10000

5000

0

Time-->



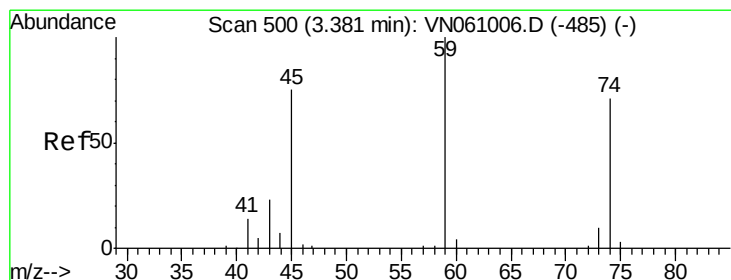
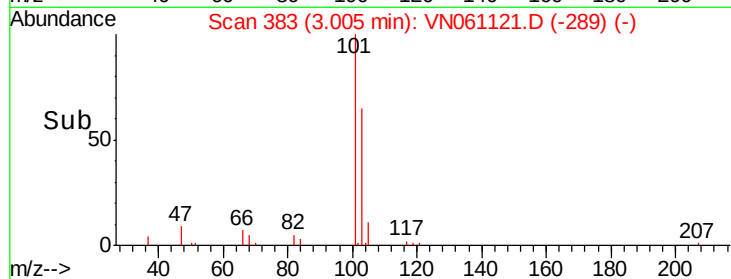
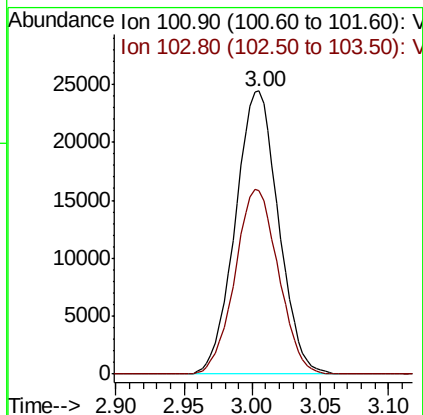
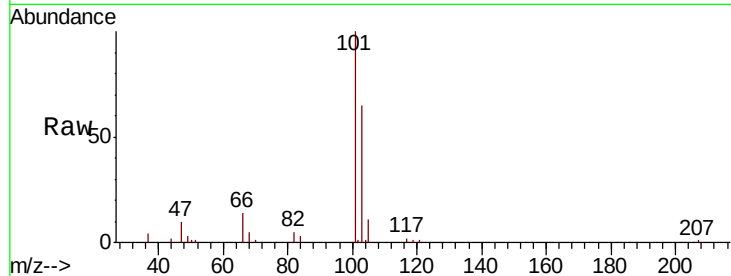


#7

Trichlorofluoromethane
 Concen: 18.373 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
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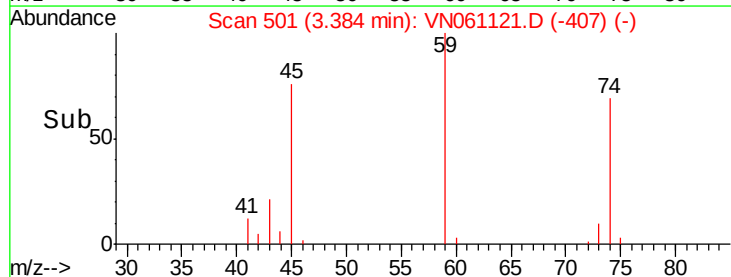
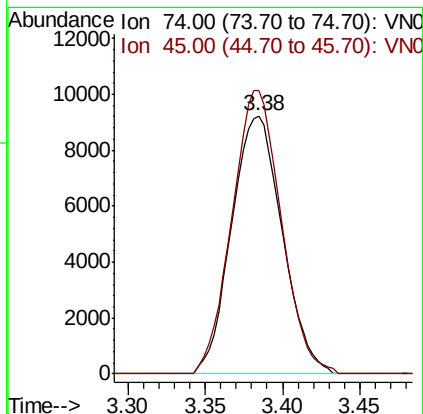
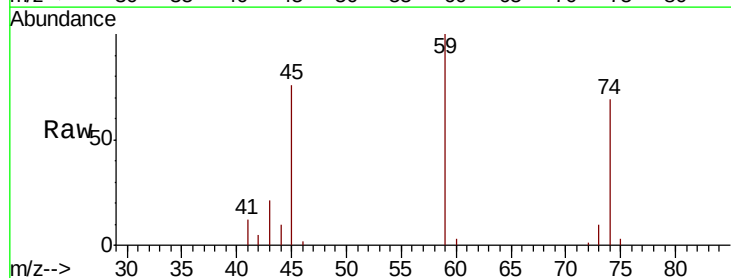
Tot Ion:101 Resp: 53695
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.4 77.2

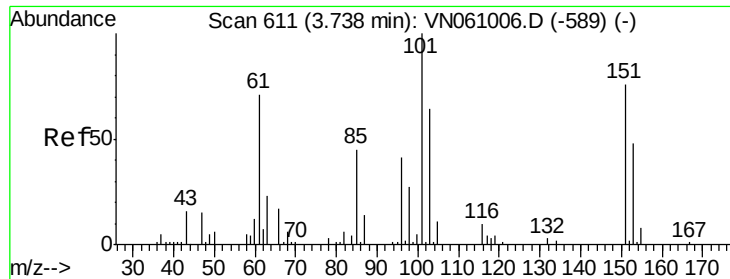


#8

Diethyl Ether
 Concen: 18.091 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion: 74 Resp: 21014
 Ion Ratio Lower Upper
 74 100
 45 106.8 52.9 158.8

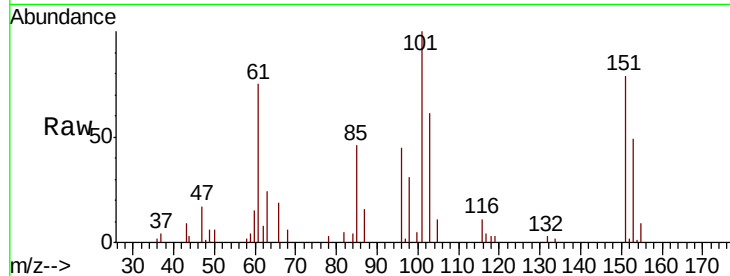




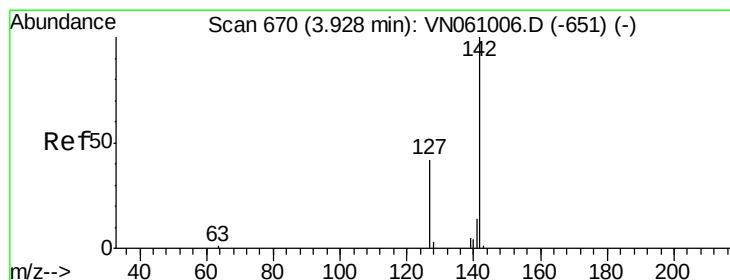
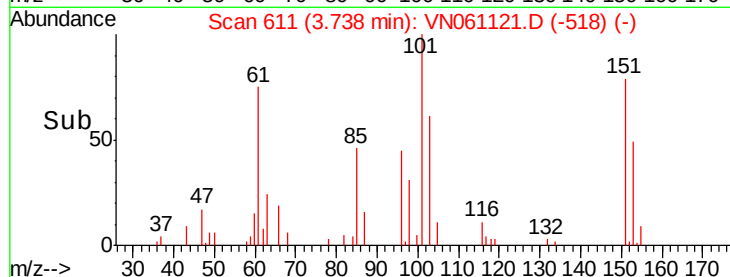
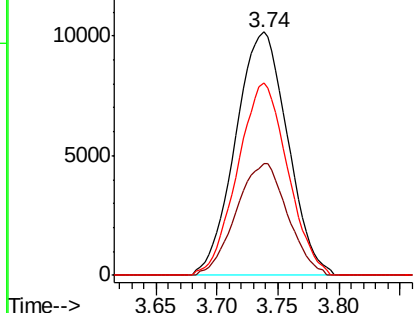
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.574 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

Tot Ion:101 Resp: 30134
 Ion Ratio Lower Upper
 101 100
 85 45.3 35.9 53.9
 151 75.9 60.8 91.2

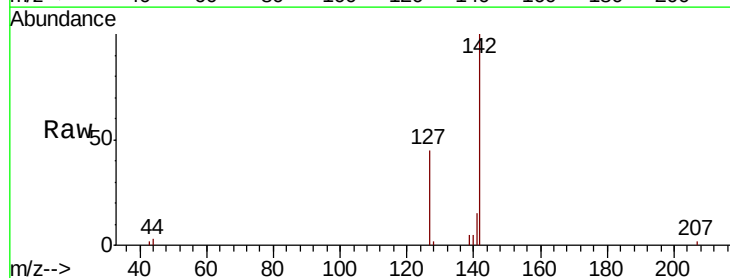


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

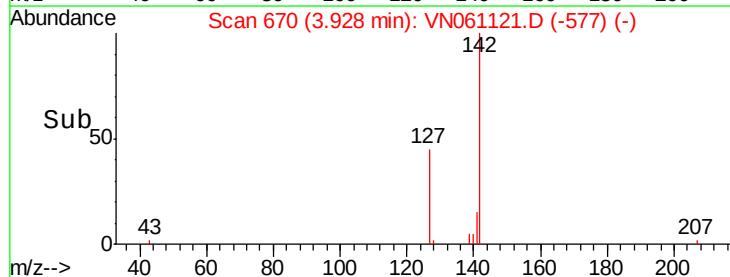
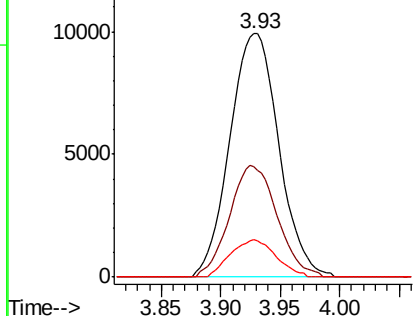


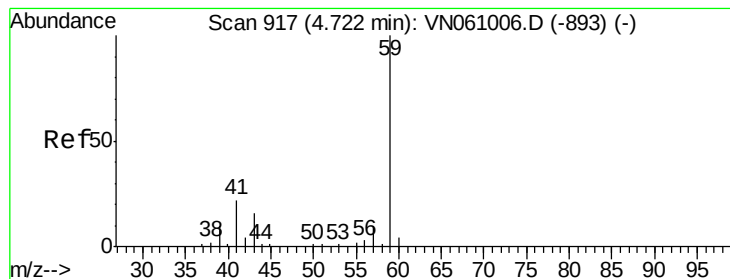
#10
 Methyl Iodide
 Concen: 18.727 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion:142 Resp: 28328
 Ion Ratio Lower Upper
 142 100
 127 44.4 33.4 50.2
 141 14.3 11.0 16.6



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



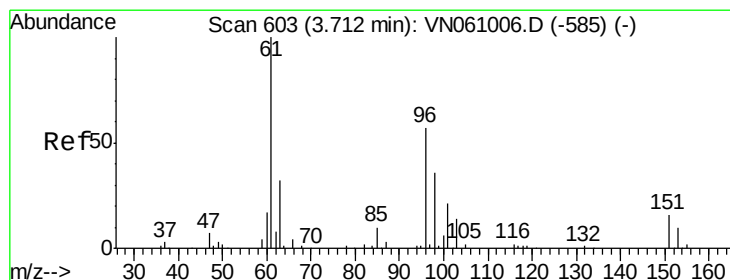
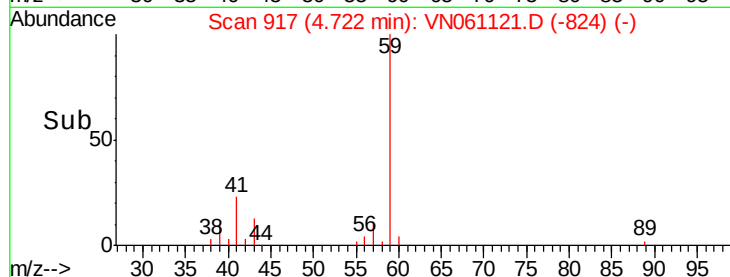
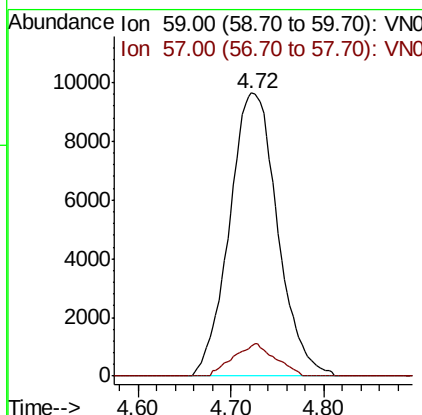
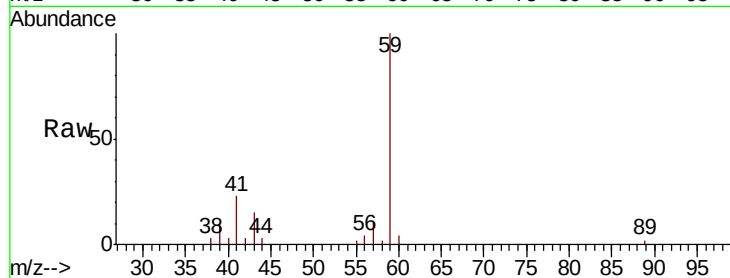


#11

Tert butyl alcohol
 Concen: 96.062 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

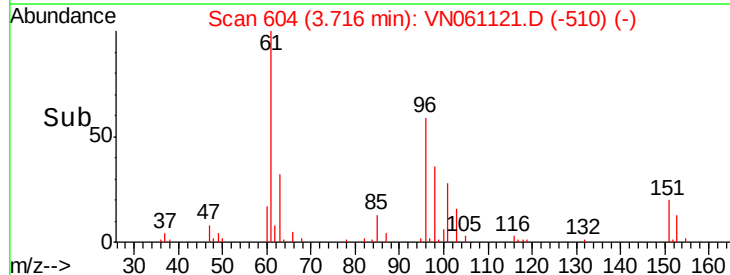
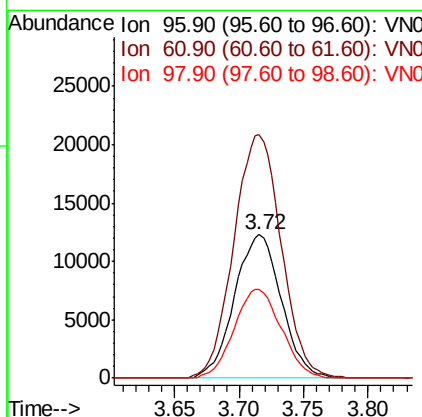
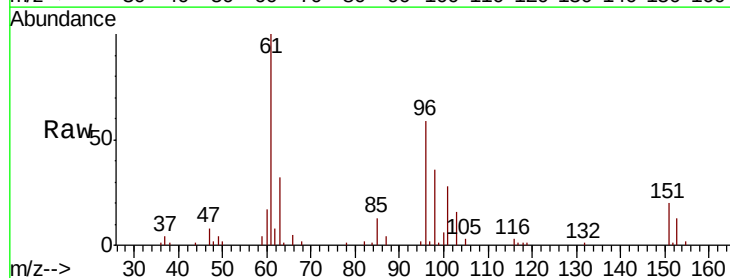
Tot Ion: 59 Resp: 34732
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.1 12.1

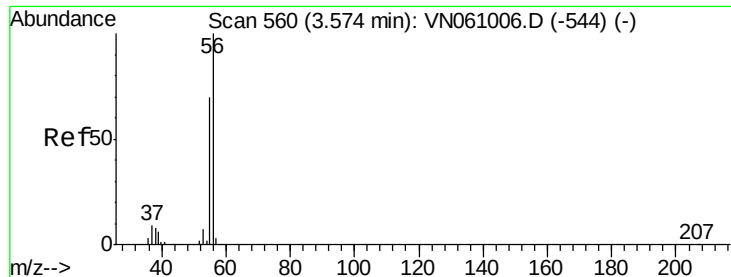


#12

1,1-Dichloroethene
 Concen: 17.813 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion: 96 Resp: 31048
 Ion Ratio Lower Upper
 96 100
 61 170.1 139.2 208.8
 98 61.8 50.0 75.0





#13

Acrolein

Concen: 63.791 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

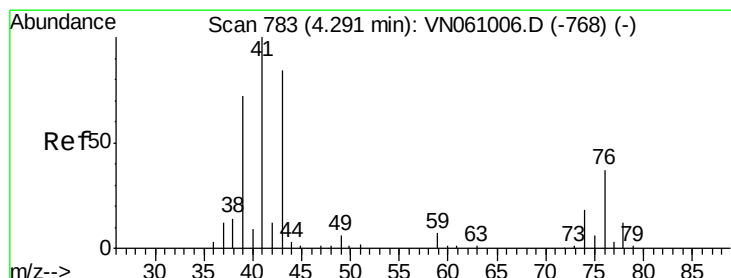
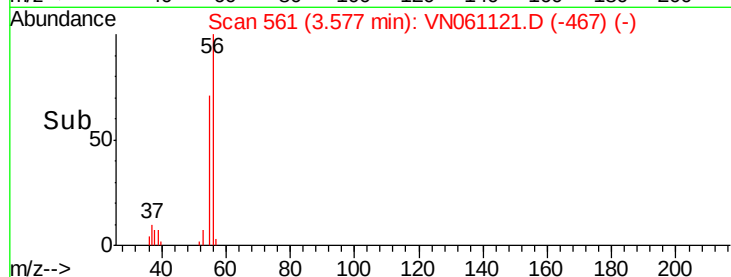
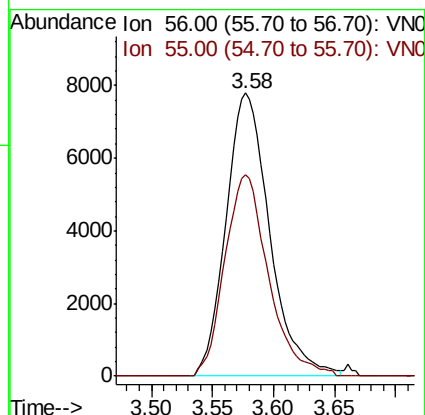
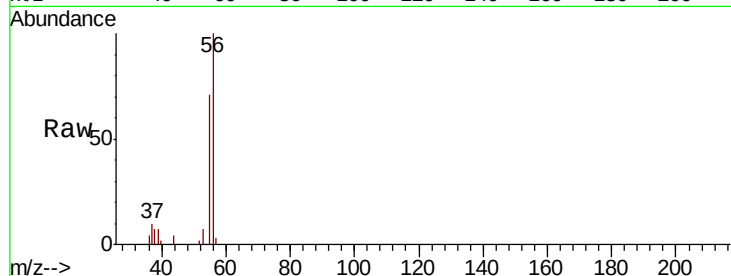
VN0420WBSD02

Tot Ion: 56 Resp: 19474

Ion Ratio Lower Upper

56 100

55 71.3 57.0 85.6



#14

Allyl chloride

Concen: 16.685 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

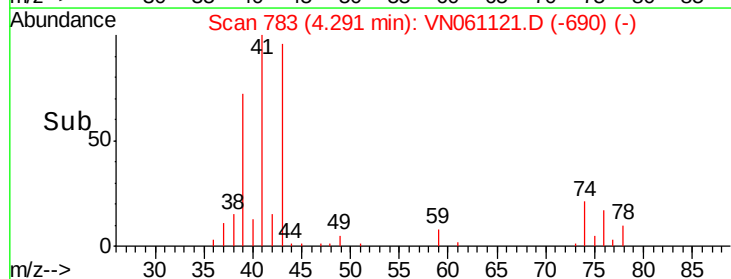
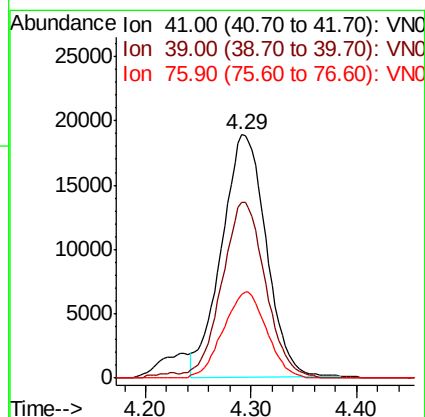
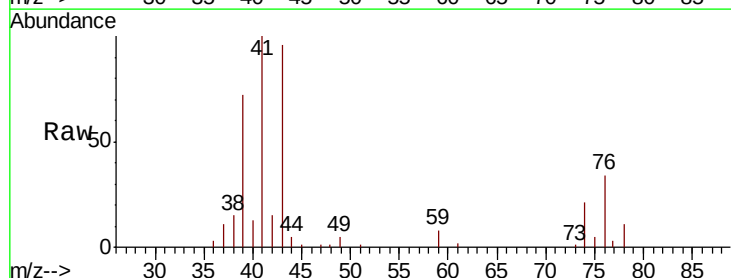
Tgt Ion: 41 Resp: 55024

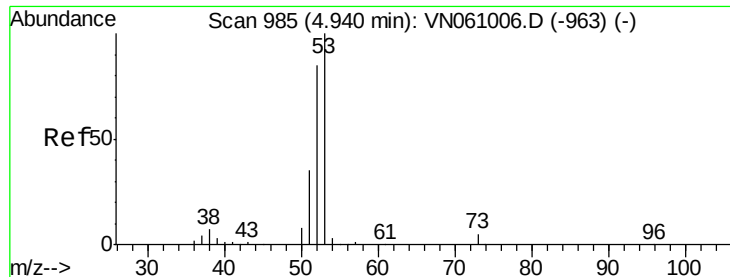
Ion Ratio Lower Upper

41 100

39 71.4 56.3 84.5

76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 95.512 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

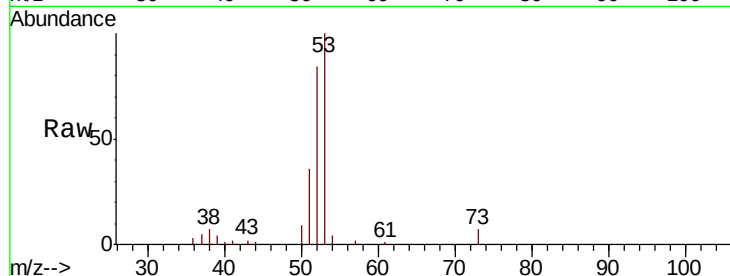
Tot Ion: 53 Resp: 93632

Ion Ratio Lower Upper

53 100

52 81.0 66.8 100.2

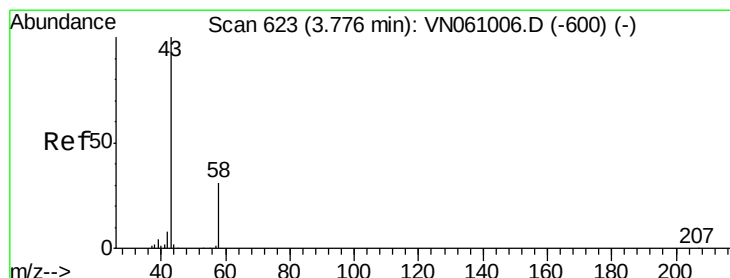
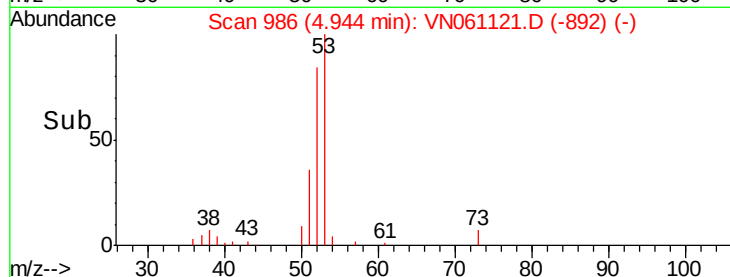
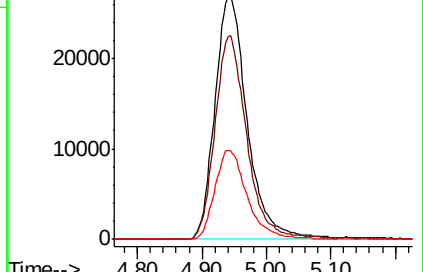
51 36.5 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN061121.D (-892) (-)

Ion 52.00 (51.70 to 52.70): VN061121.D (-892) (-)

Ion 51.00 (50.70 to 51.70): VN061121.D (-892) (-)



#16

Acetone

Concen: 85.738 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061121.D

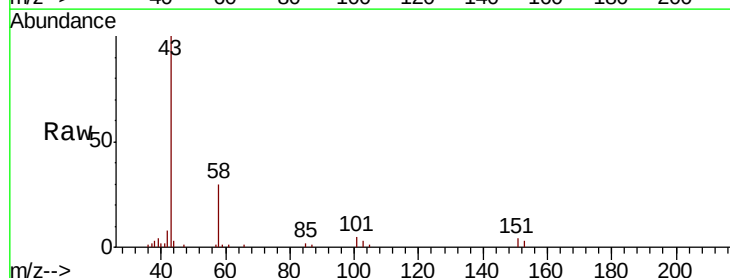
Acq: 20 Apr 2020 23:47

Tgt Ion: 43 Resp: 76902

Ion Ratio Lower Upper

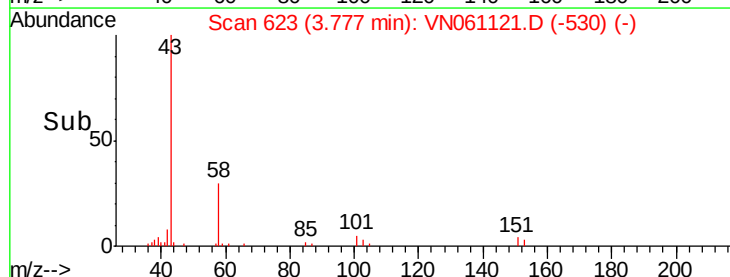
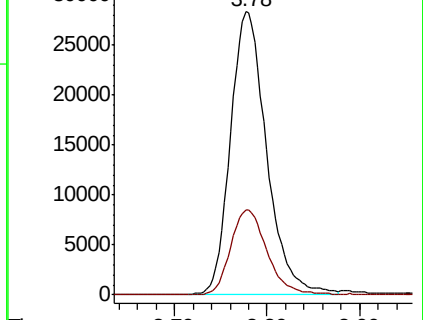
43 100

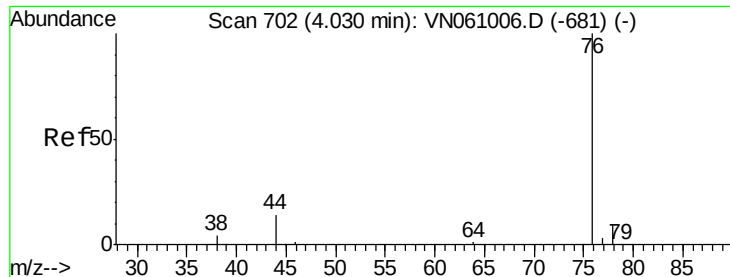
58 29.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061121.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN061121.D (-530) (-)





#17

Carbon Disulfide

Concen: 17.295 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

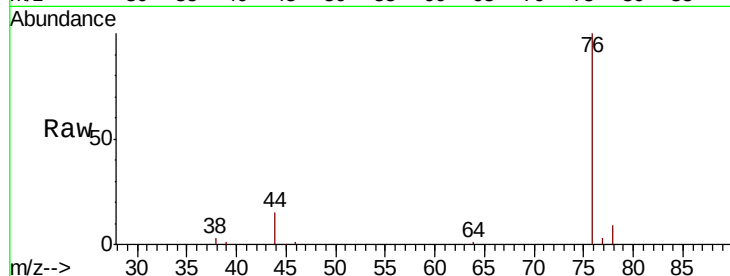
VN0420WBSD02

Tot Ion: 76 Resp: 94327

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN061121.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN061121.D (-609) (-)

4.03

30000

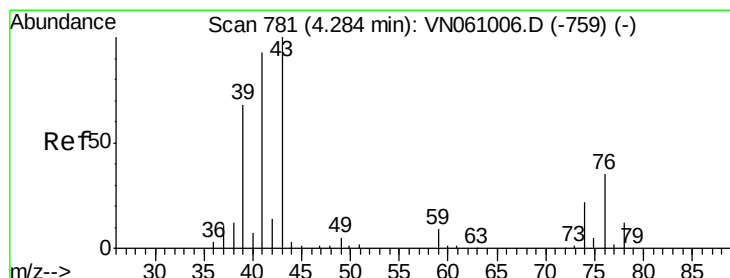
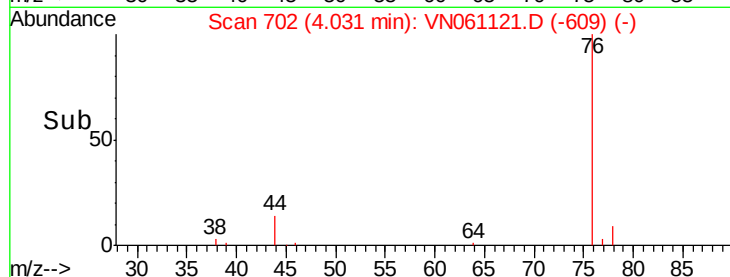
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 19.623 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN061121.D

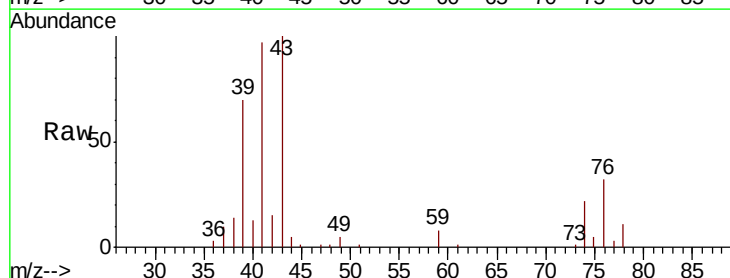
Acq: 20 Apr 2020 23:47

Tgt Ion: 43 Resp: 55192

Ion Ratio Lower Upper

43 100

74 21.3 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN061121.D (-688) (-)

Ion 74.00 (73.70 to 74.70): VN061121.D (-688) (-)

4.29

20000

15000

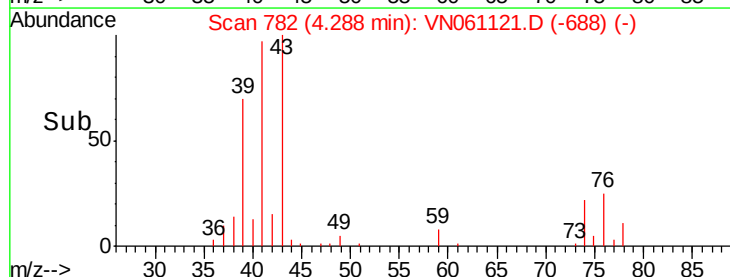
10000

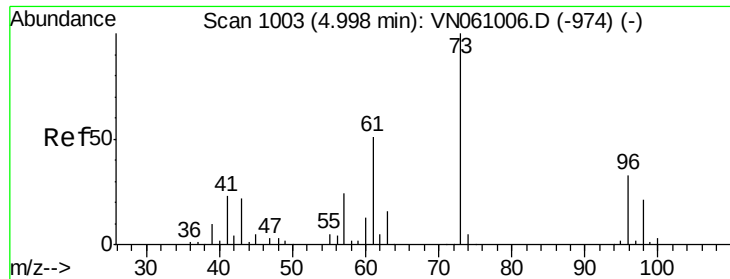
5000

0

Time-->

4.20 4.30 4.40

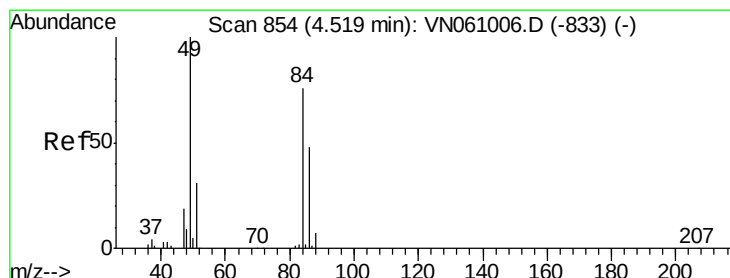
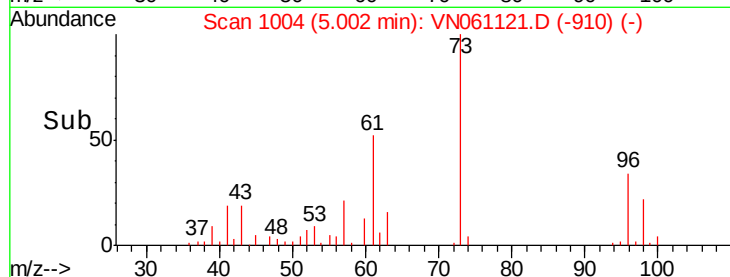
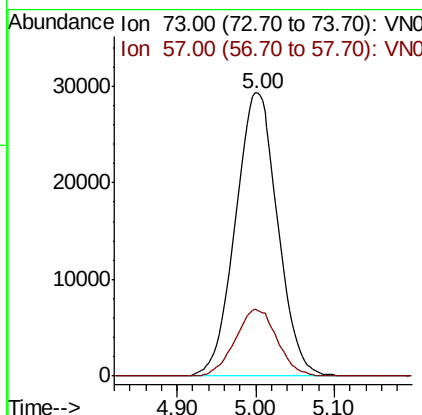
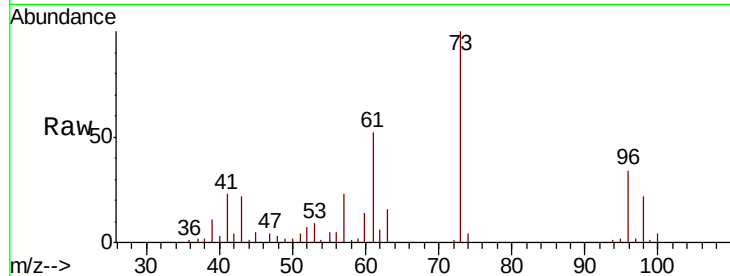




#19
Methyl tert-butyl Ether
Concen: 18.152 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

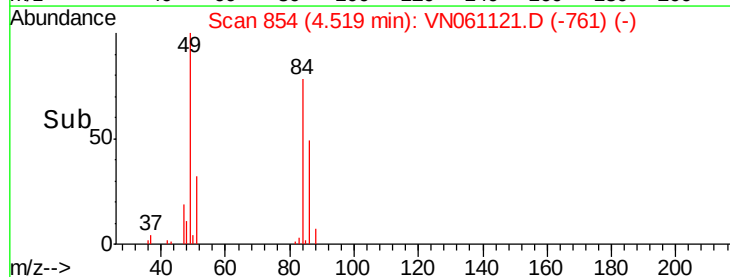
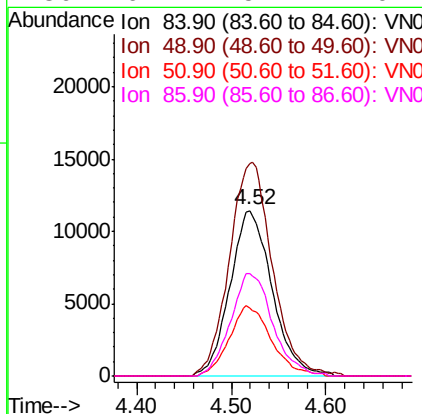
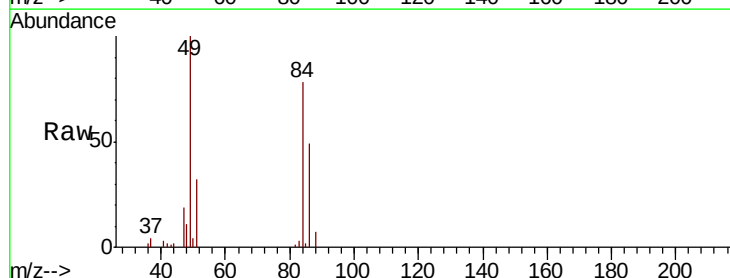
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

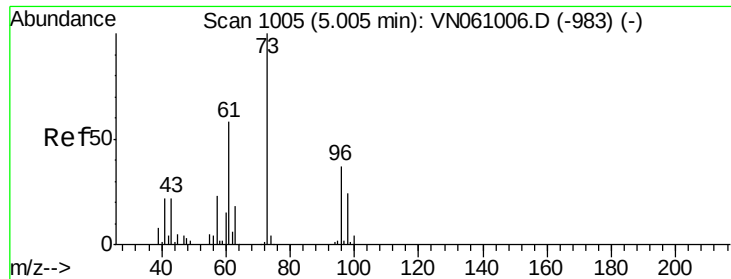
Tot Ion: 73 Resp: 110318
Ion Ratio Lower Upper
73 100
57 23.3 19.0 28.4



#20
Methylene Chloride
Concen: 18.045 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 84 Resp: 35337
Ion Ratio Lower Upper
84 100
49 128.1 105.8 158.6
51 40.7 32.4 48.6
86 62.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.089 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

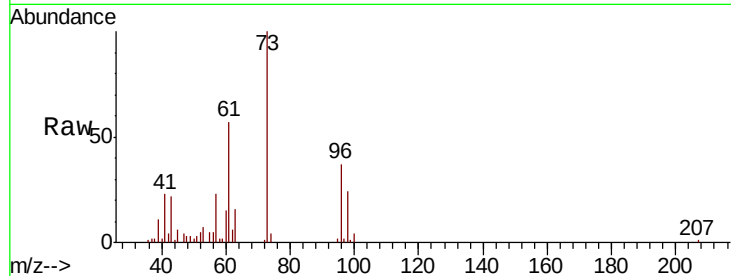
Tot Ion: 96 Resp: 33721

Ion Ratio Lower Upper

96 100

61 153.7 124.8 187.2

98 63.3 51.3 76.9

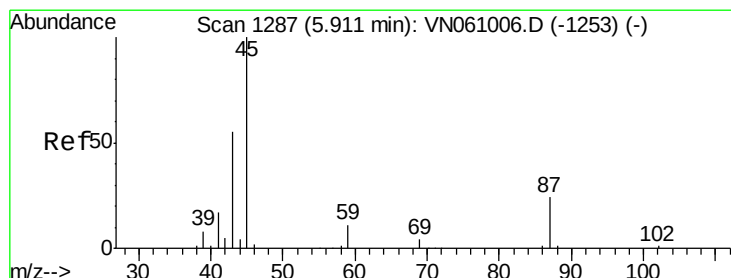
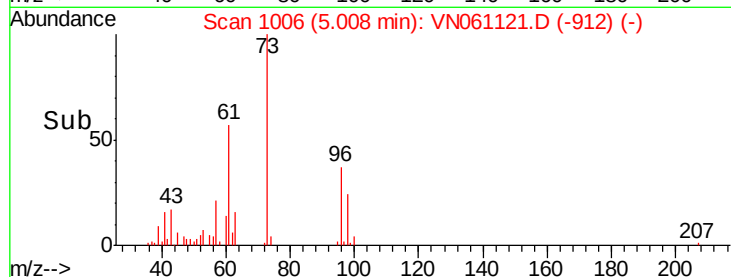
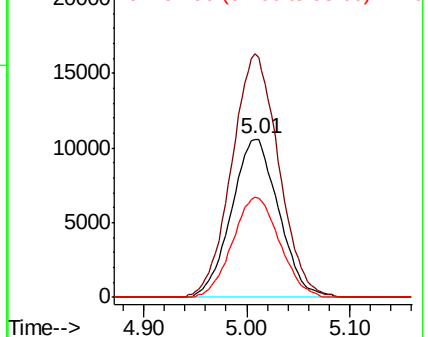


Abundance

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: 18.018 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion: 45 Resp: 123407

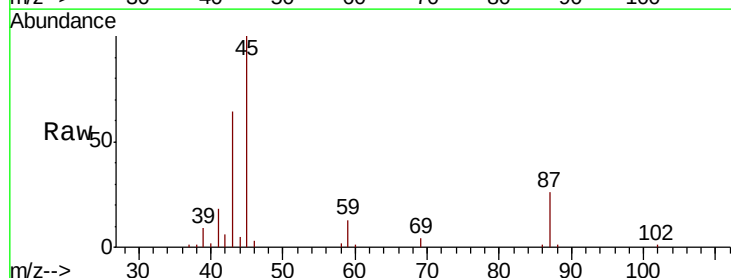
Ion Ratio Lower Upper

45 100

43 61.7 48.6 72.8

87 25.9 19.4 29.2

59 12.5 8.6 12.8



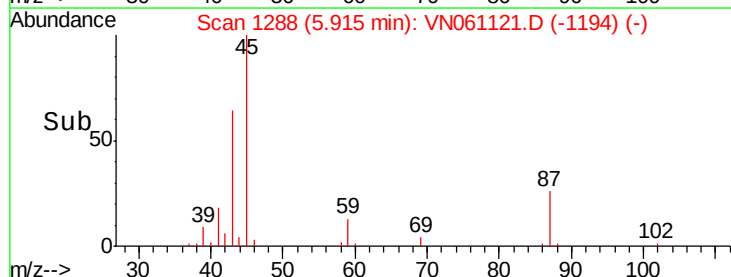
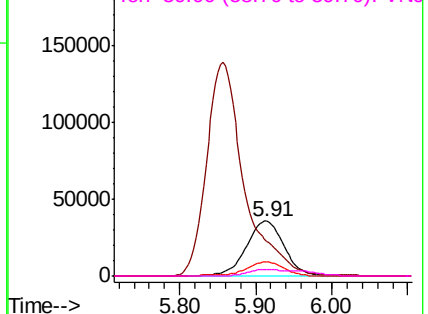
Abundance

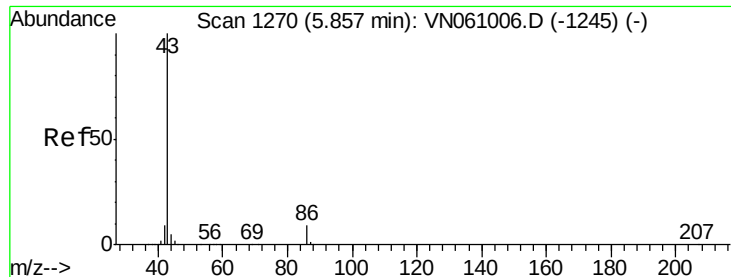
Ion 45.00 (44.70 to 45.70): VN0

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: 88.712 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

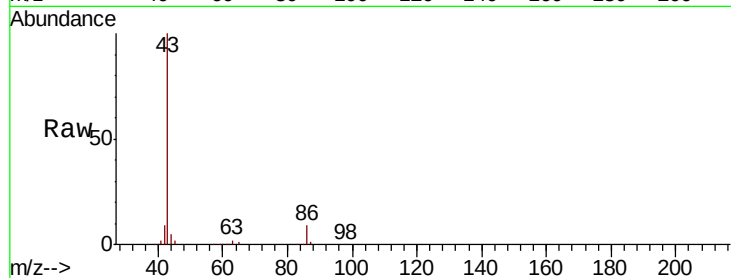
VN0420WBSD02

Tot Ion: 43 Resp: 476465

Ion Ratio Lower Upper

43 100

86 9.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1245) (-)

Ion 86.00 (85.70 to 86.70): VN061006.D (-1245) (-)

5.86

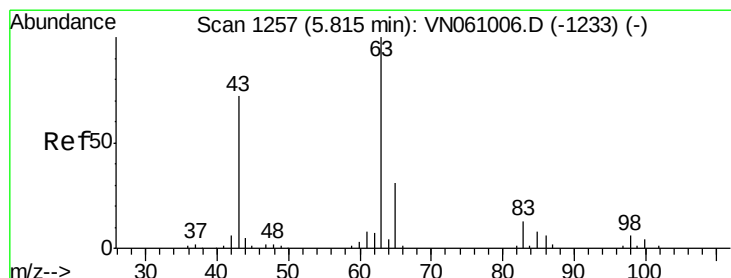
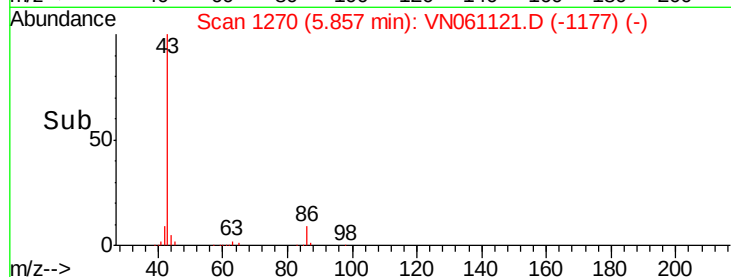
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 18.123 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

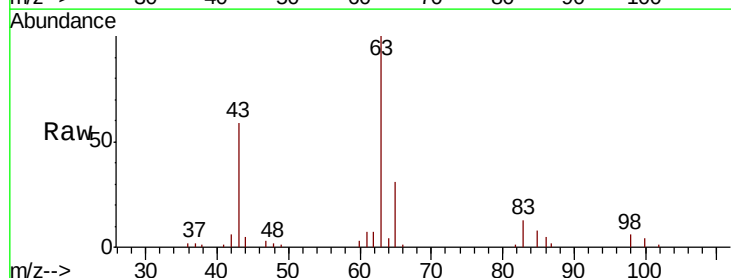
Tgt Ion: 63 Resp: 67039

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN061006.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN061006.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN061006.D (-1233) (-)

5.82

25000

20000

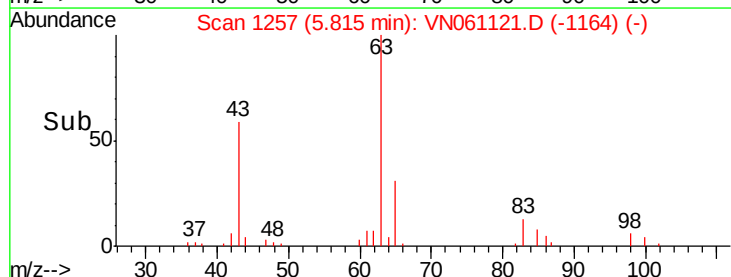
15000

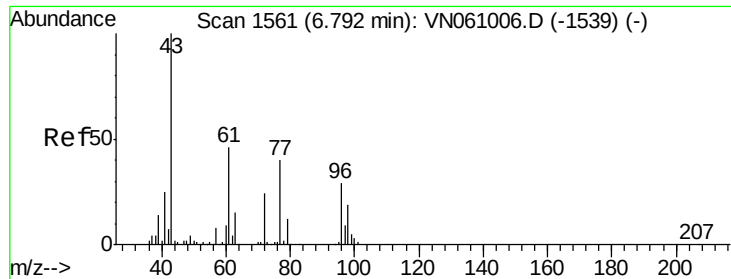
10000

5000

0

Time--> 5.70 5.80 5.90

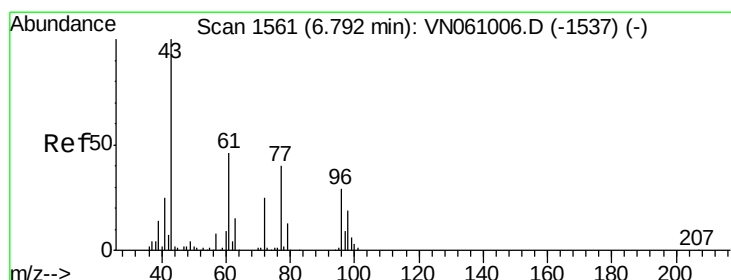
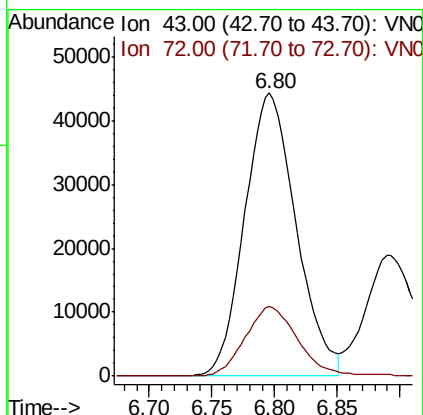
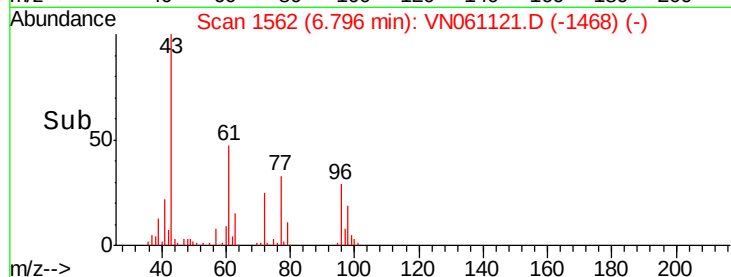
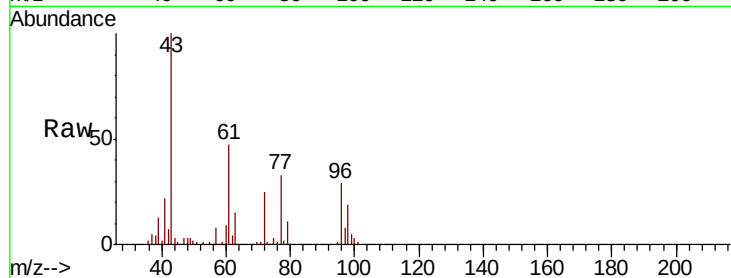




#25
2-Butanone
Concen: 91.961 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

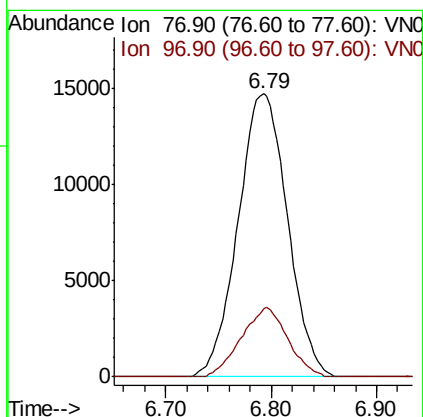
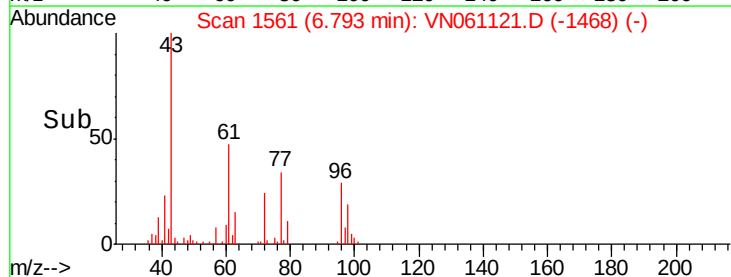
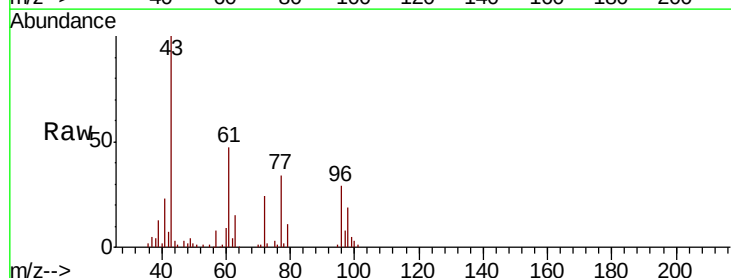
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

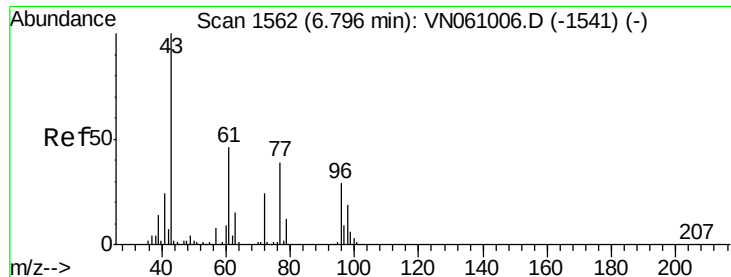
Tot Ion: 43 Resp: 126395
Ion Ratio Lower Upper
43 100
72 24.7 19.6 29.4



#26
2,2-Dichloropropane
Concen: 15.590 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 77 Resp: 48017
Ion Ratio Lower Upper
77 100
97 23.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 18.106 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

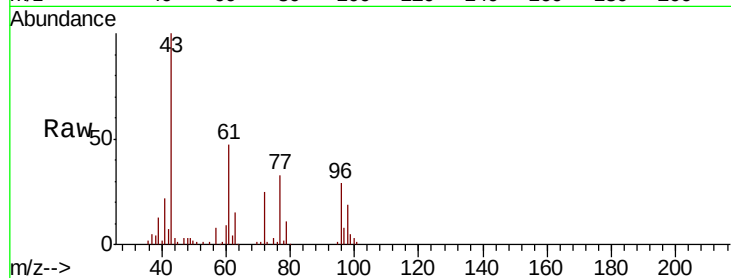
Tot Ion: 96 Resp: 38751

Ion Ratio Lower Upper

96 100

61 155.6 0.0 317.4

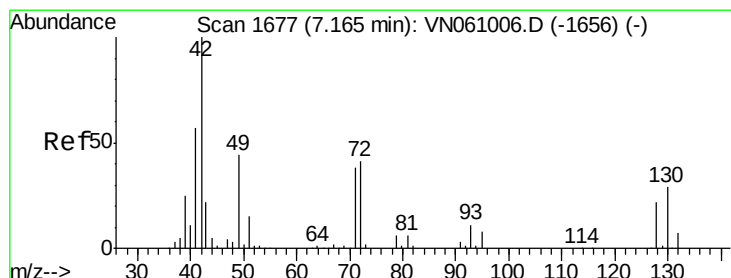
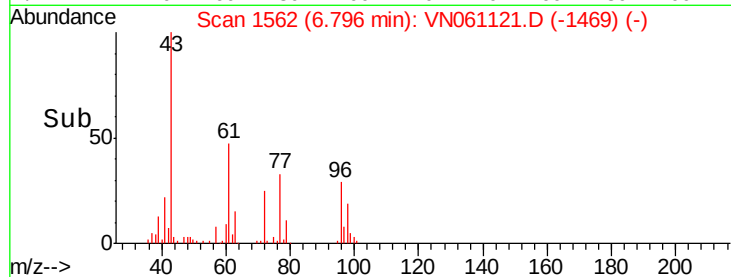
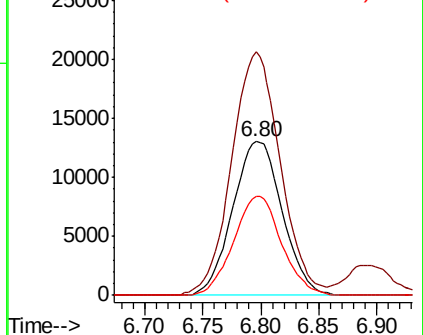
98 62.4 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN061121.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN061121.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN061121.D (-1469) (-)



#28

Bromochloromethane

Concen: 18.144 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

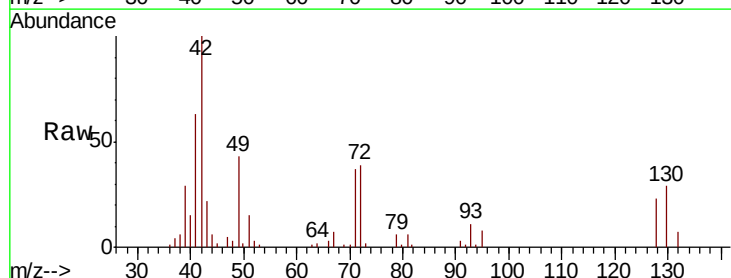
Tgt Ion: 49 Resp: 30809

Ion Ratio Lower Upper

49 100

129 0.2 0.0 3.0

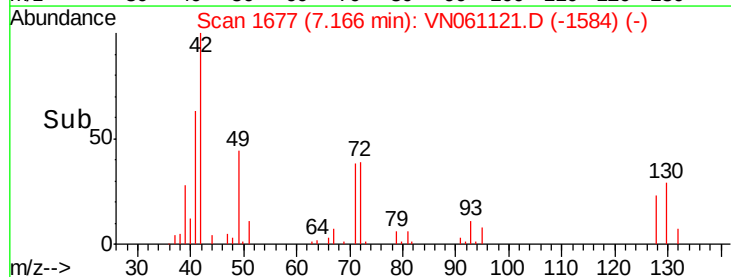
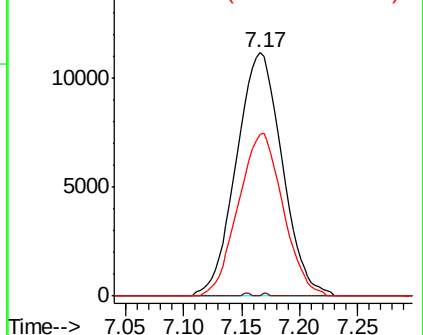
130 65.2 52.9 79.3

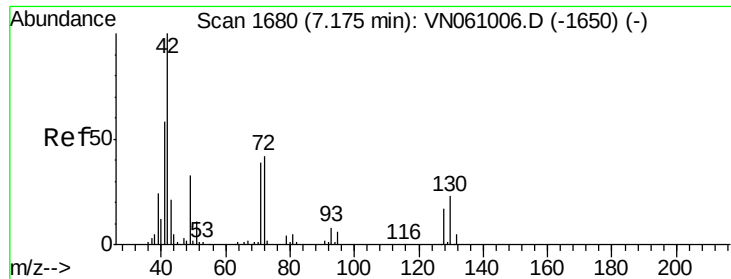


Abundance Ion 48.90 (48.60 to 49.60): VN061121.D (-1584) (-)

Ion 128.80 (128.50 to 129.50): VN061121.D (-1584) (-)

Ion 129.80 (129.50 to 130.50): VN061121.D (-1584) (-)

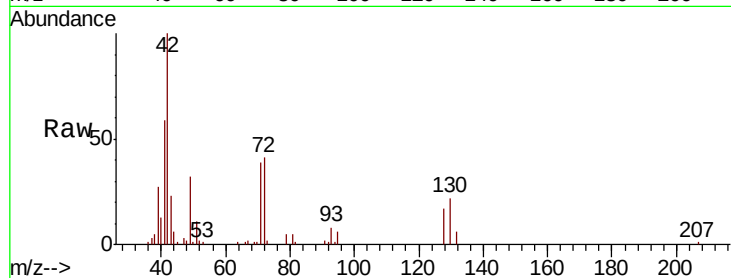




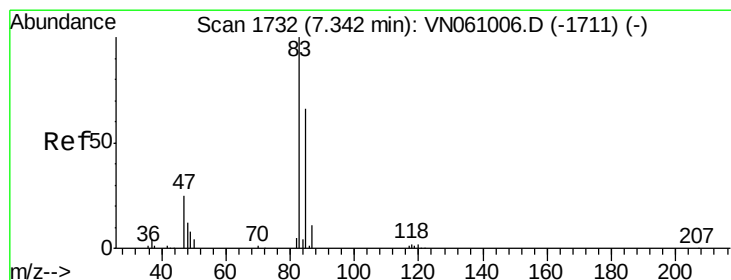
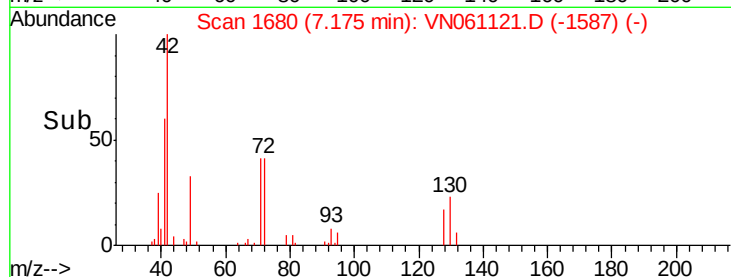
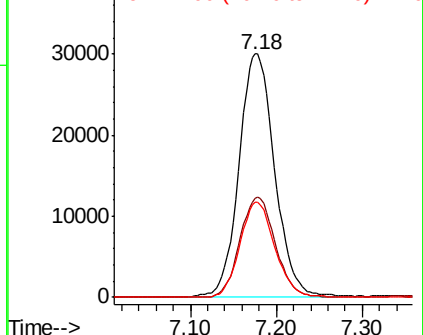
#29
Tetrahydrofuran
Concen: 92.880 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion: 42 Resp: 86665
Ion Ratio Lower Upper
42 100
72 40.8 32.1 48.1
71 38.2 30.5 45.7

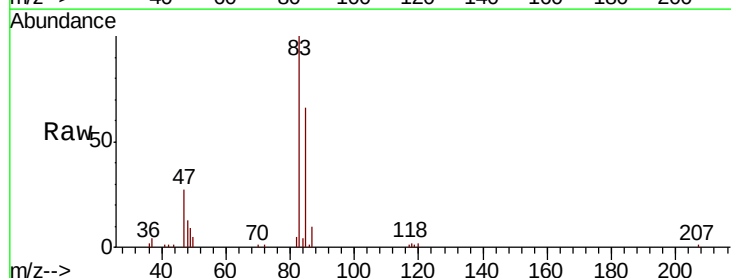


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

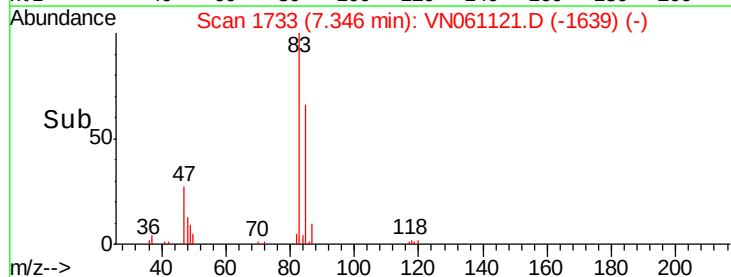
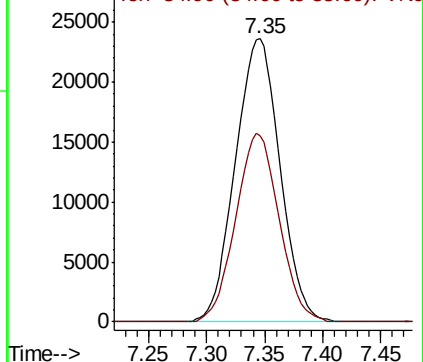


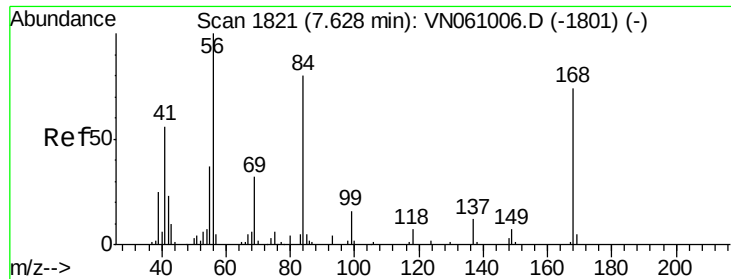
#30
Chloroform
Concen: 18.326 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 83 Resp: 63232
Ion Ratio Lower Upper
83 100
85 65.7 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

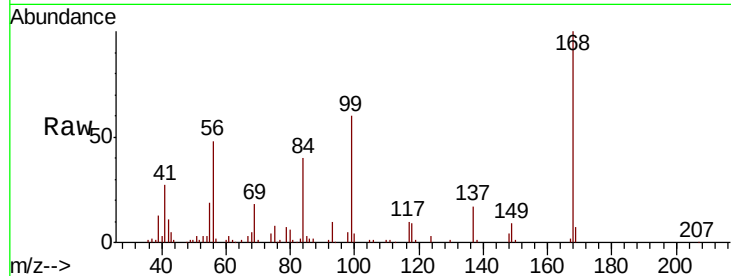




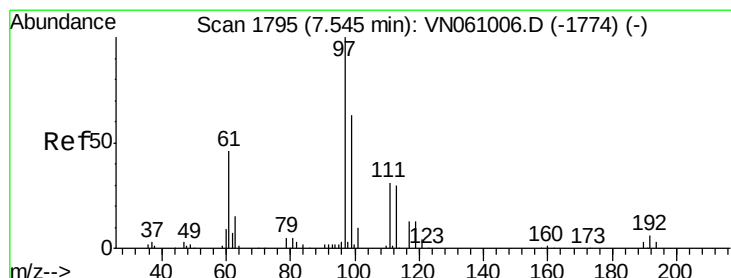
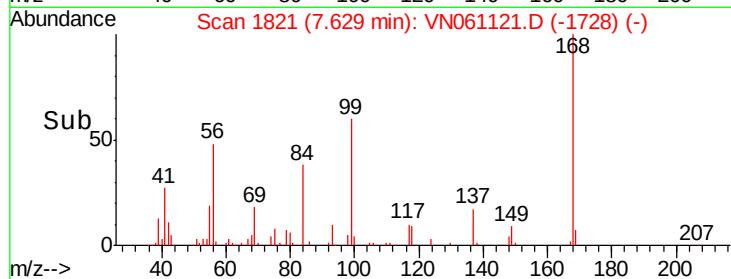
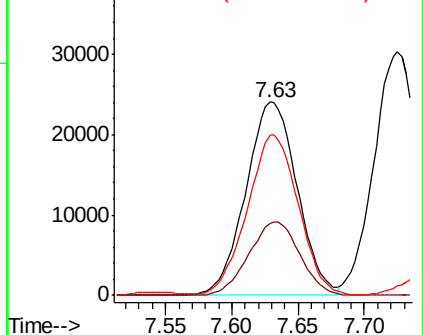
#31
Cyclohexane
Concen: 17.117 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion: 56 Resp: 64977
Ion Ratio Lower Upper
56 100
69 37.5 25.6 38.4
84 81.8 63.4 95.2

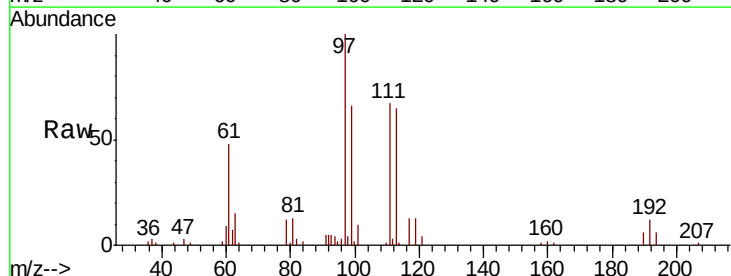


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

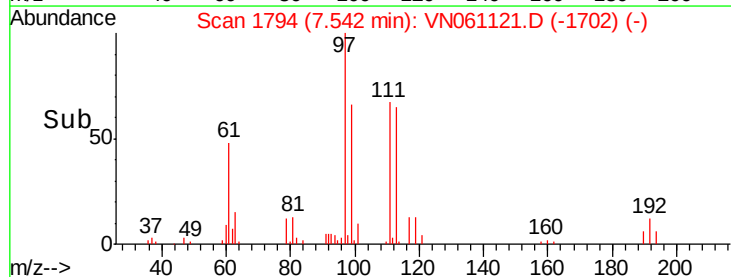
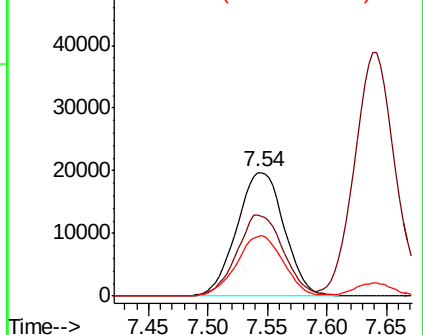


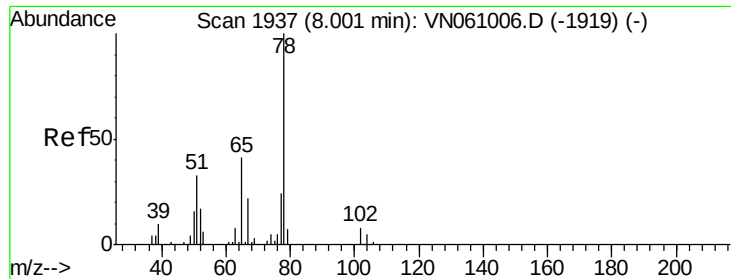
#32
1,1,1-Trichloroethane
Concen: 18.257 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 97 Resp: 54487
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 47.8 37.0 55.6



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

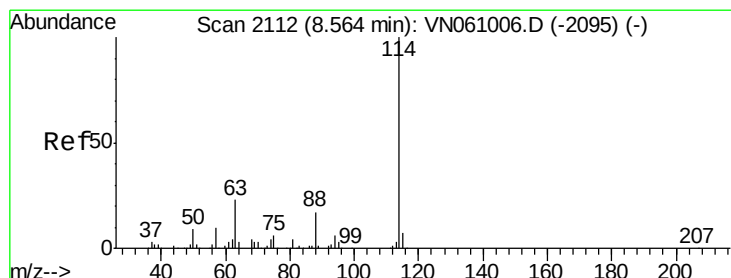
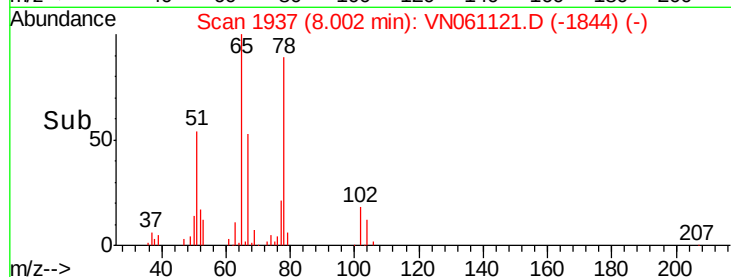
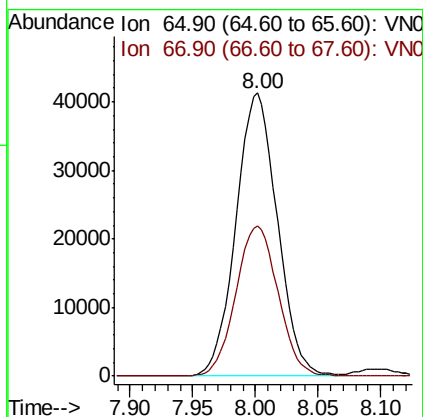
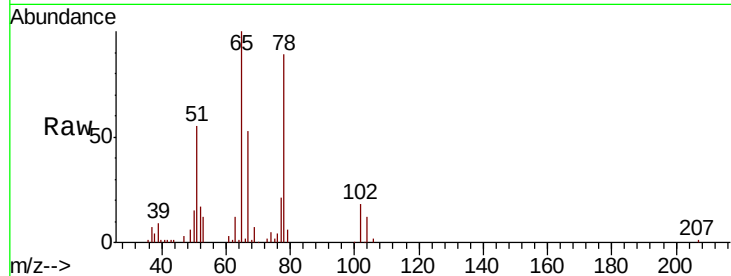




#33
 1,2-Dichloroethane-d4
 Concen: 46.495 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

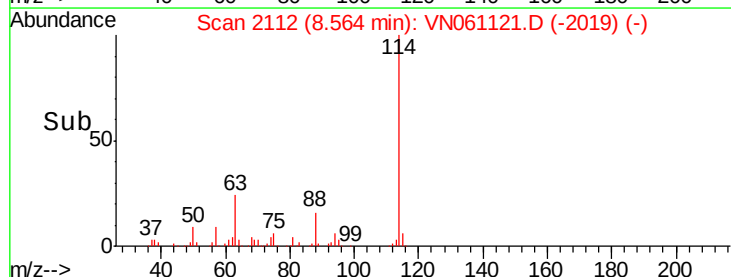
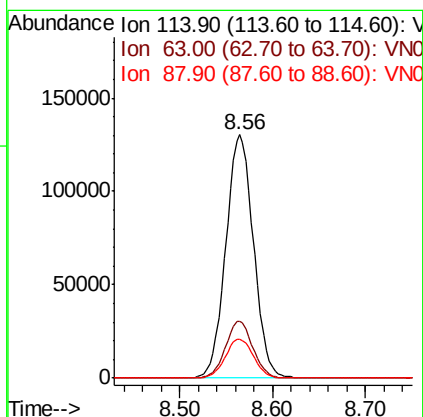
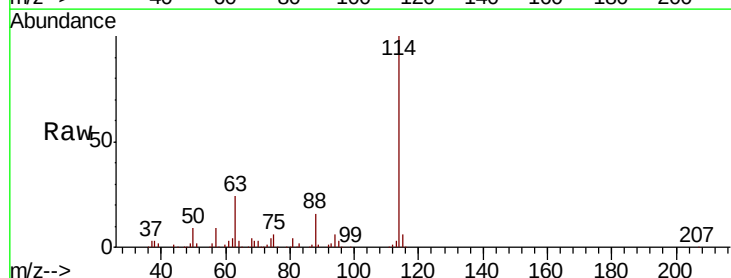
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

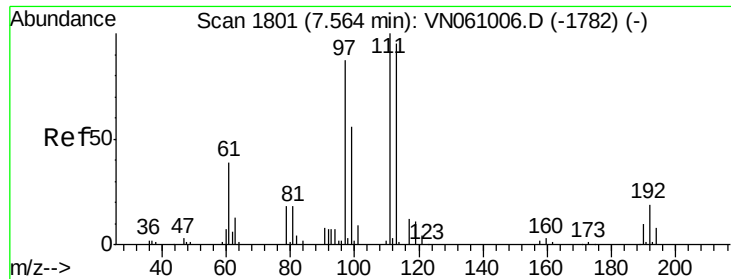
Tot Ion: 65 Resp: 94748
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion: 114 Resp: 269540
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.2
 88 16.2 0.0 33.4

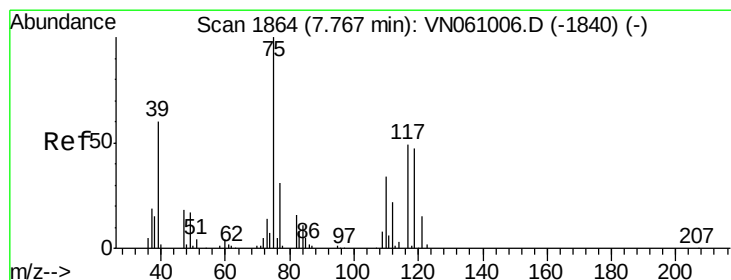
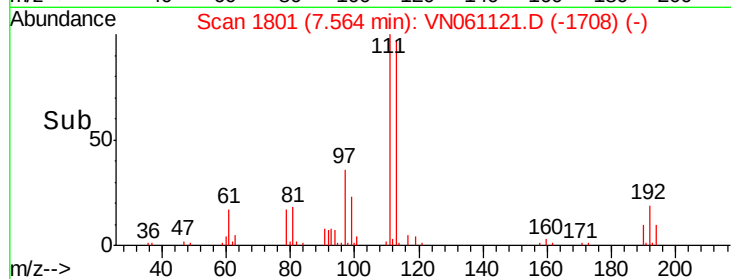
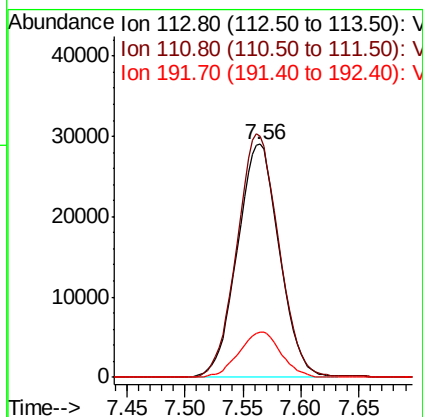
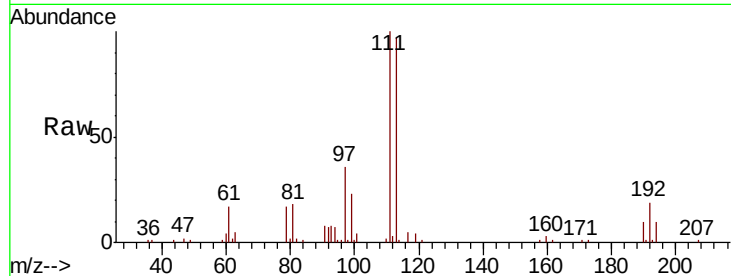




#35
 Dibromofluoromethane
 Concen: 46.539 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

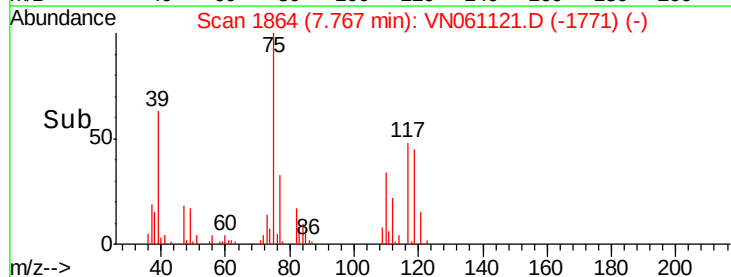
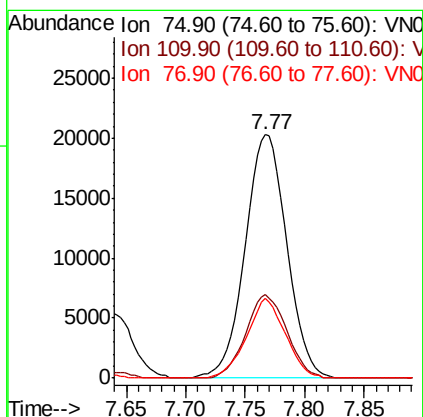
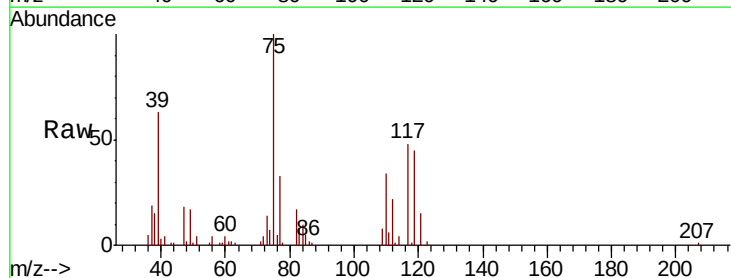
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

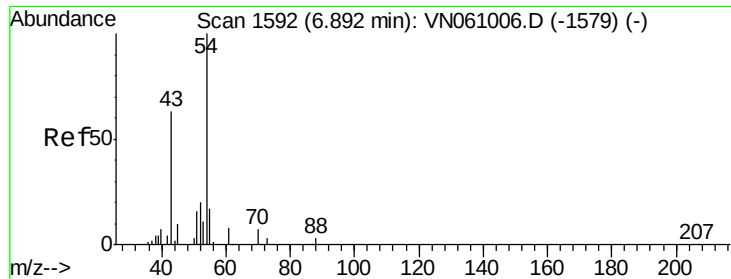
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.4	125.2
192	19.3	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 17.686 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.8	50.3
77	30.5	24.7	37.1

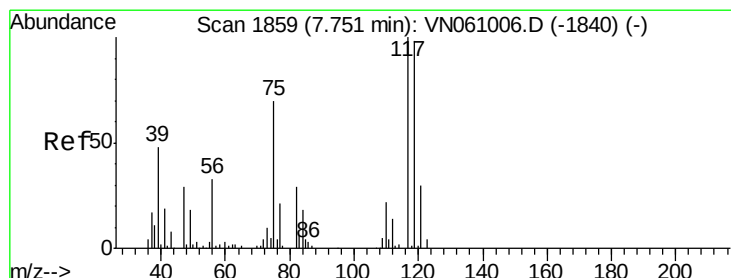
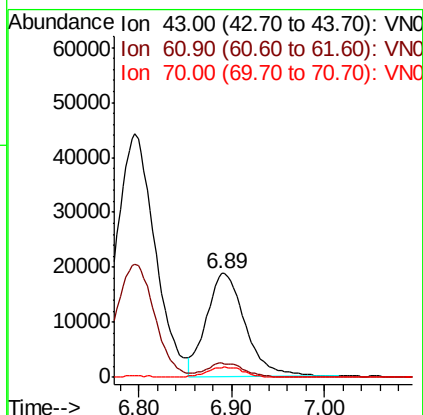
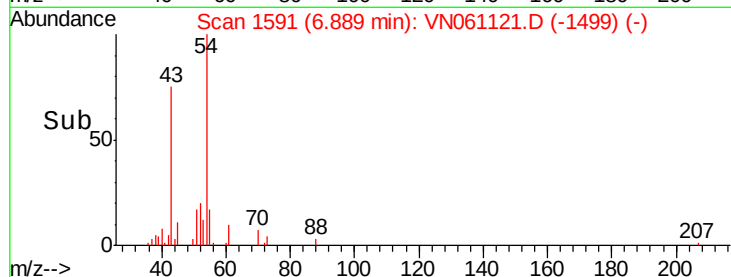
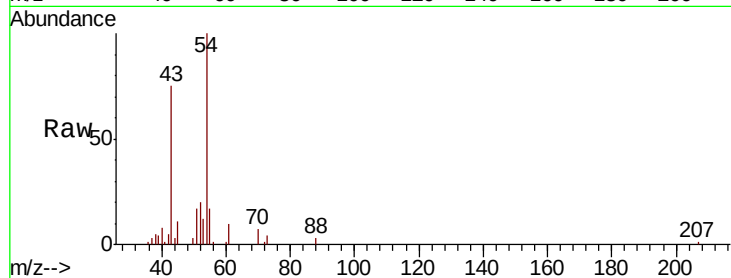




#37
Ethyl Acetate
Concen: 18.063 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

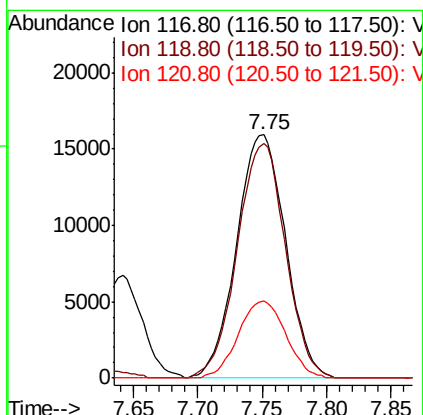
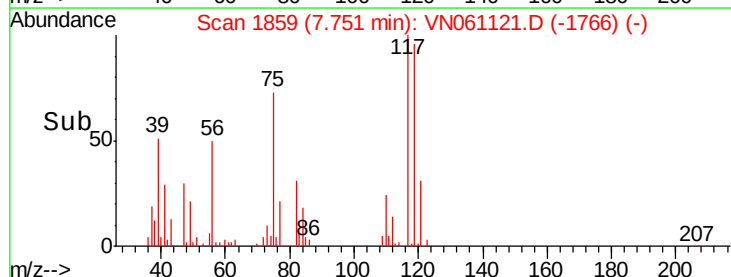
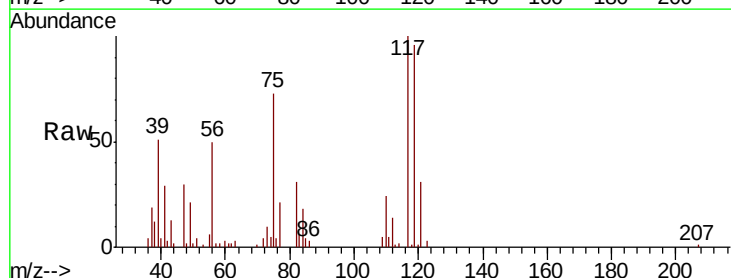
Instrument :
MSVOA_N
ClientSampled :
VN0420WBSD02

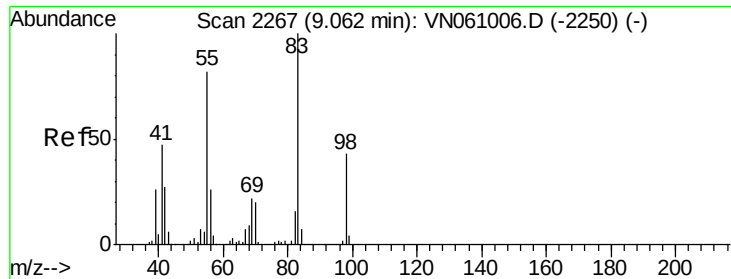
Tot Ion: 43 Resp: 54552
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 9.2 7.7 11.5



#38
Carbon Tetrachloride
Concen: 18.200 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 117 Resp: 42136
Ion Ratio Lower Upper
117 100
119 96.5 78.1 117.1
121 31.5 24.0 36.0

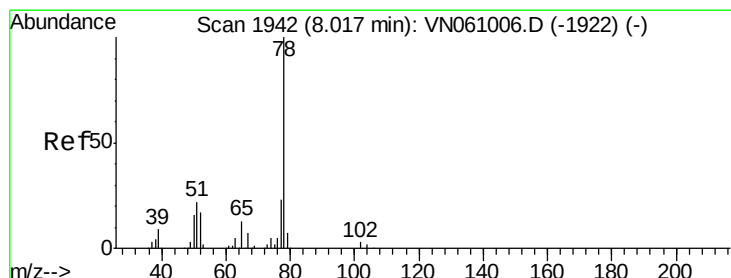
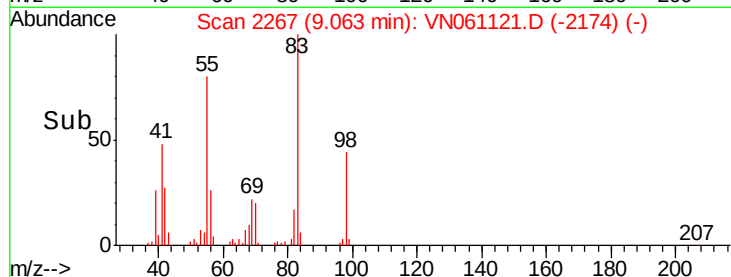
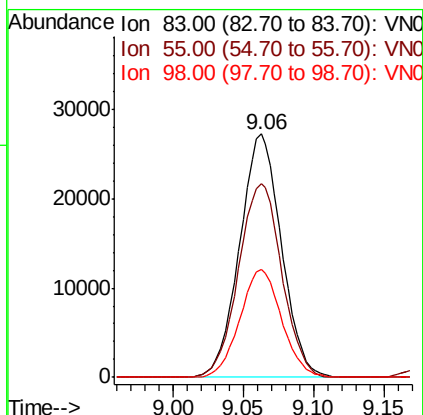
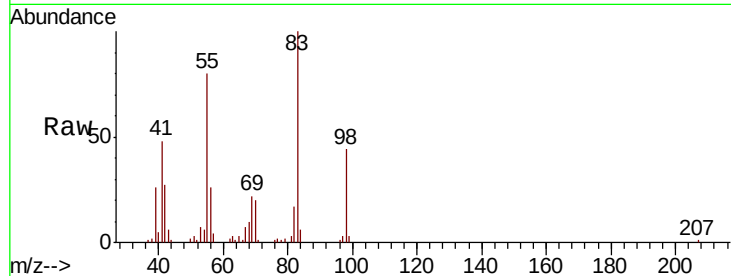




#39
Methylvlcyclohexane
Concen: 16.942 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

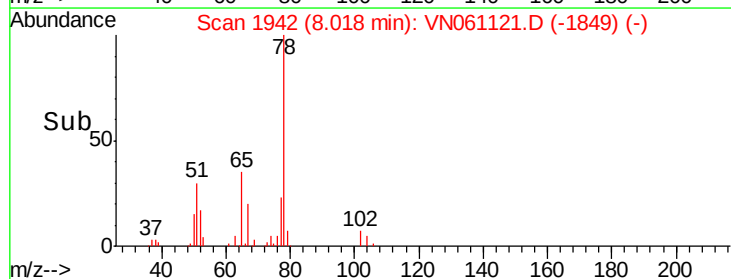
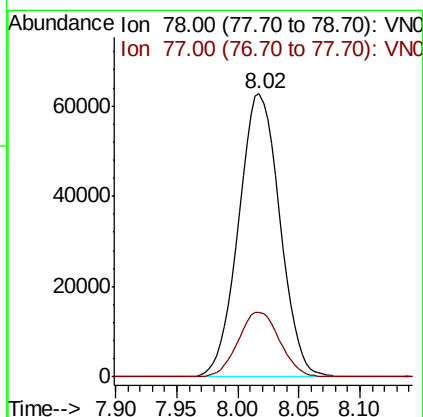
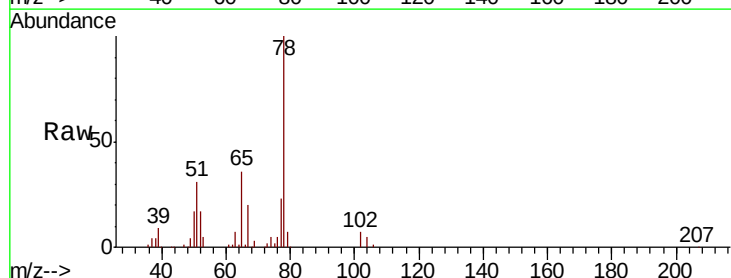
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

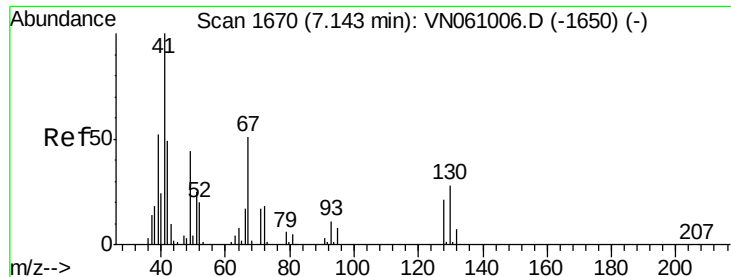
Tot Ion: 83 Resp: 56339
Ion Ratio Lower Upper
83 100
55 79.7 65.4 98.0
98 44.4 34.6 51.8



#40
Benzene
Concen: 17.784 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 78 Resp: 146744
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

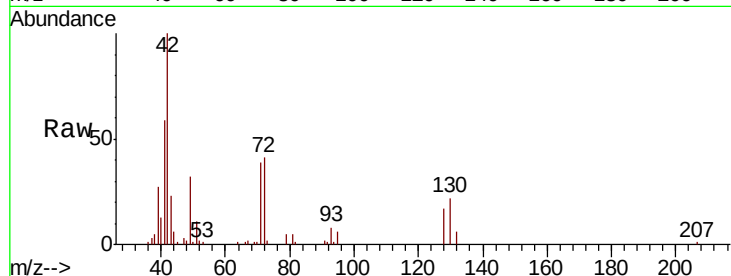




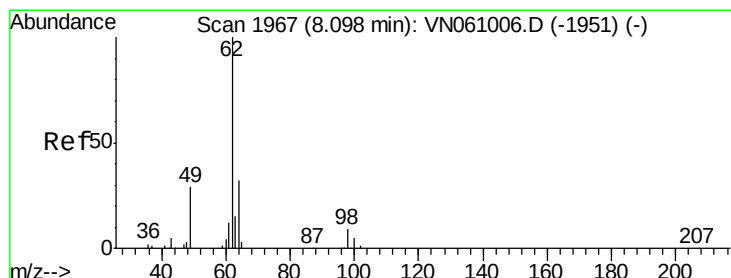
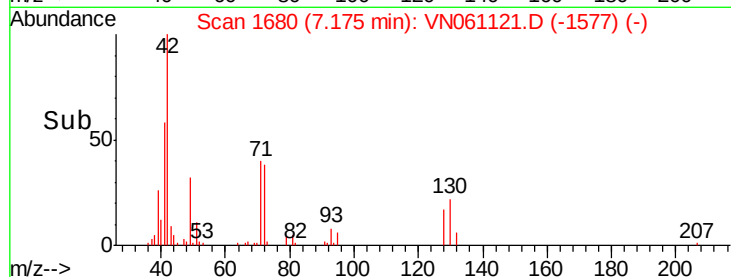
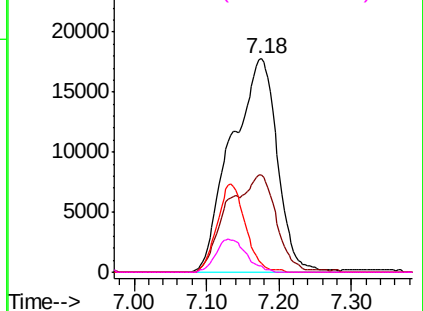
#41
Methacrylonitrile
Concen: 62.093 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion:	41	Resp:	78219
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

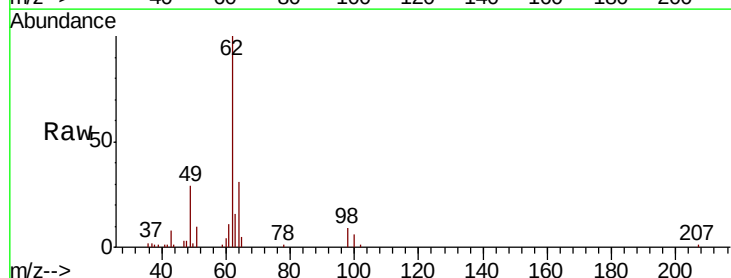


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

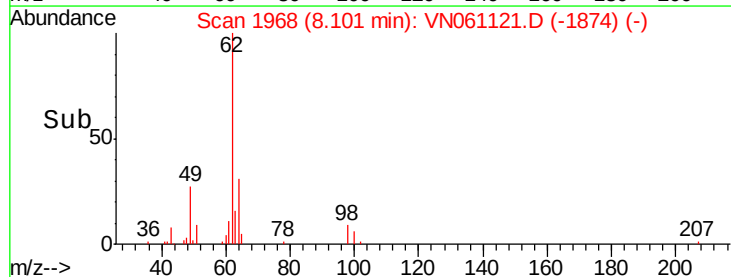
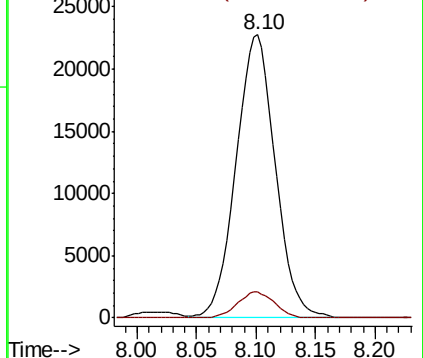


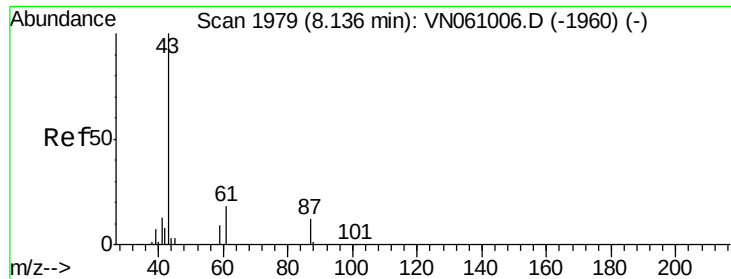
#42
1,2-Dichloroethane
Concen: 18.489 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion:	62	Resp:	51972
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.007 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

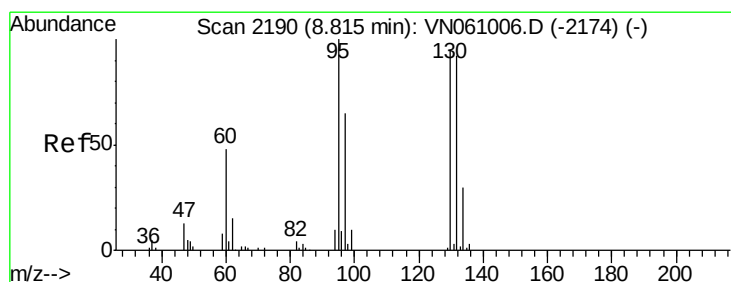
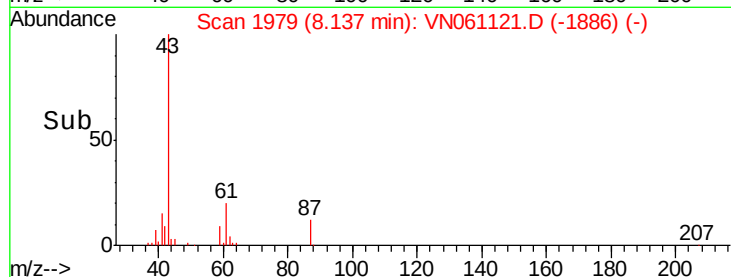
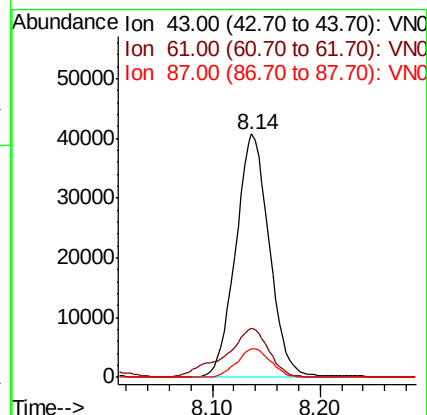
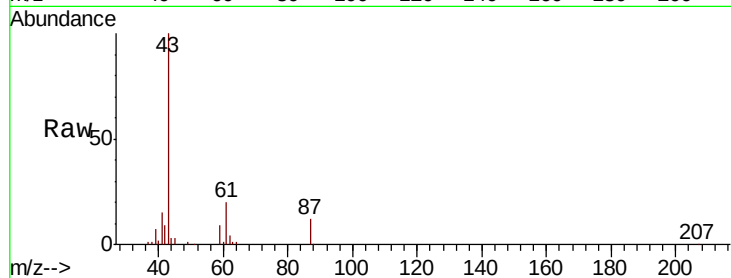
Tot Ion: 43 Resp: 88448

Ion Ratio Lower Upper

43 100

61 26.0 20.3 30.5

87 11.7 9.4 14.2



#44

Trichloroethene

Concen: 17.732 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN061121.D

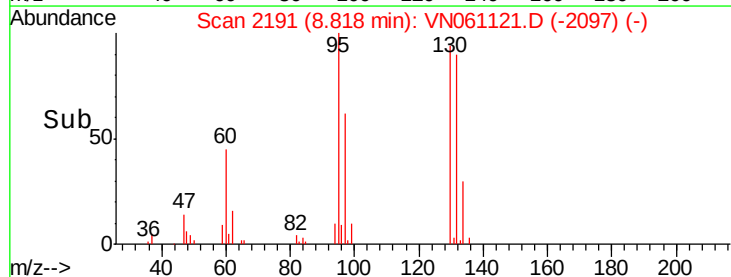
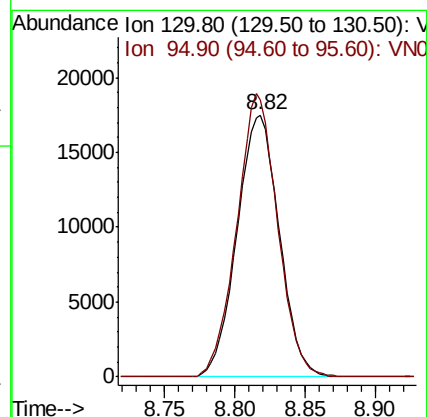
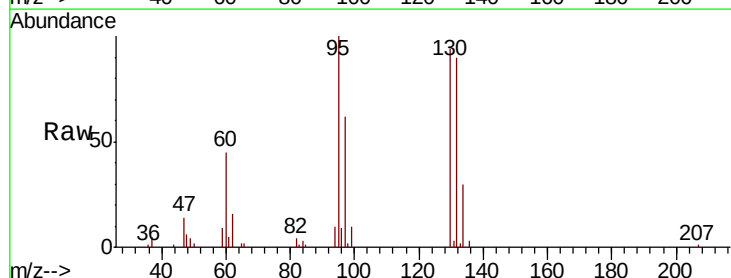
Acq: 20 Apr 2020 23:47

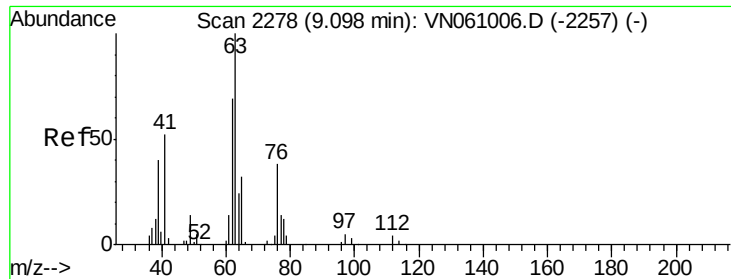
Tgt Ion: 130 Resp: 36766

Ion Ratio Lower Upper

130 100

95 105.9 0.0 210.0

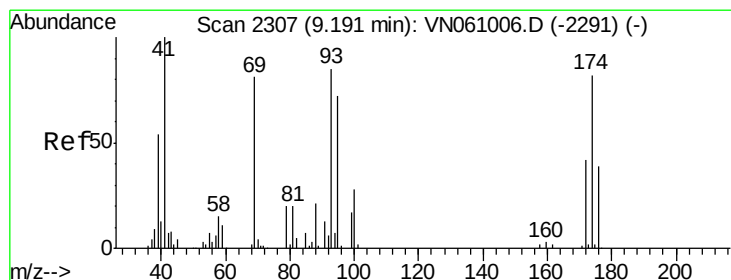
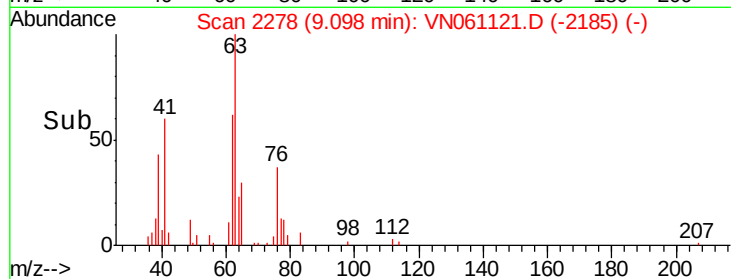
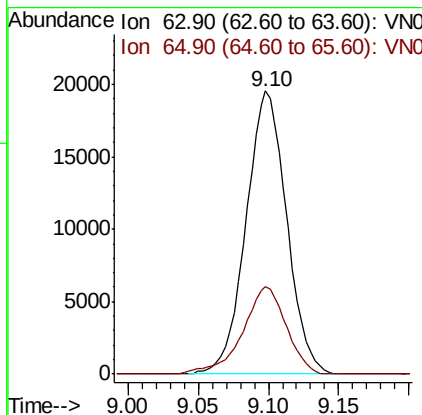
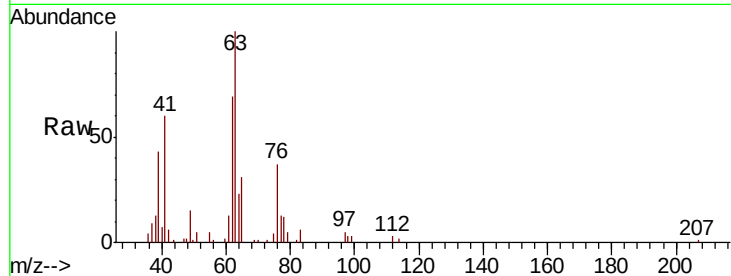




#45
 1,2-Dichloropropane
 Concen: 17.665 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

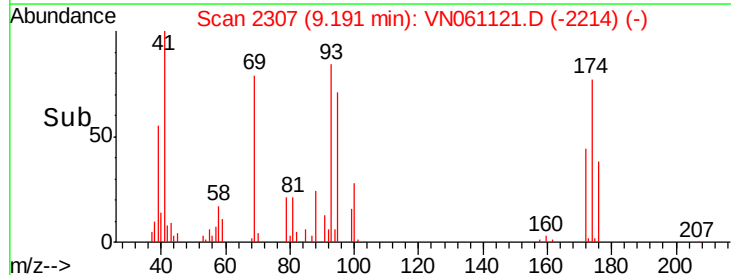
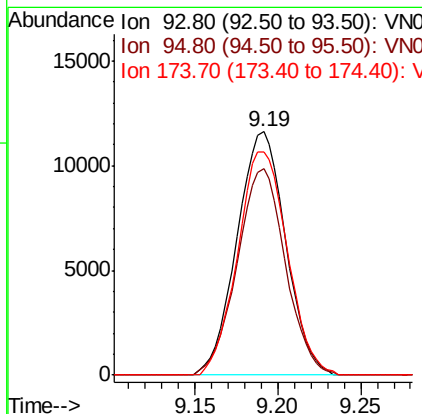
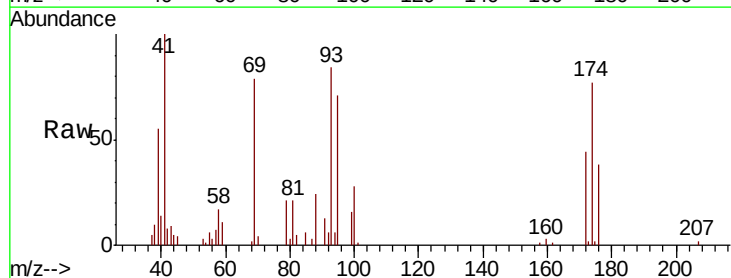
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

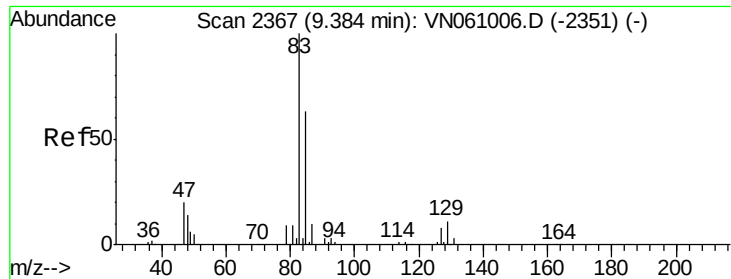
Tot Ion: 63 Resp: 39371
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.2 37.8



#46
 Dibromomethane
 Concen: 18.469 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion: 93 Resp: 23733
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.8 100.2
 174 93.6 76.2 114.4

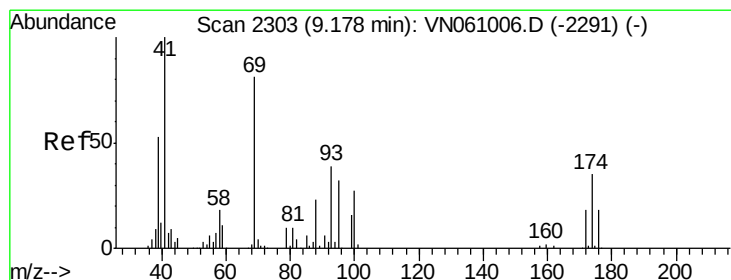
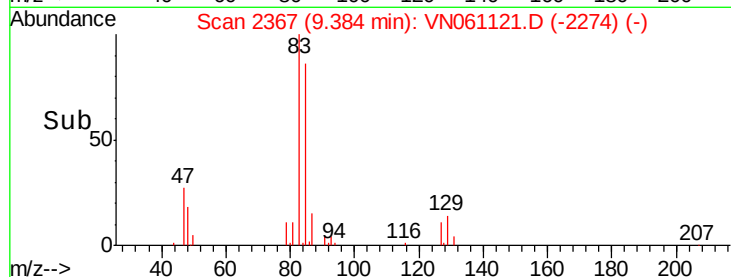
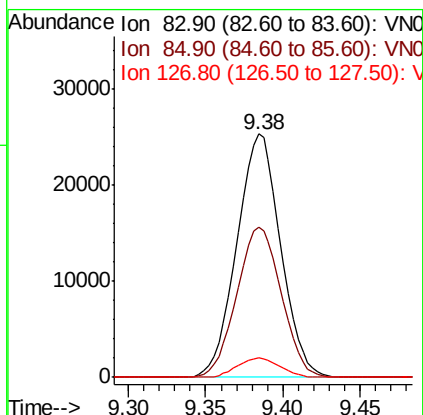
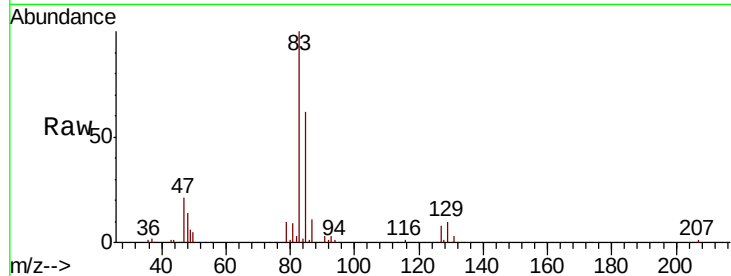




#47
 Bromodichloromethane
 Concen: 18.291 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

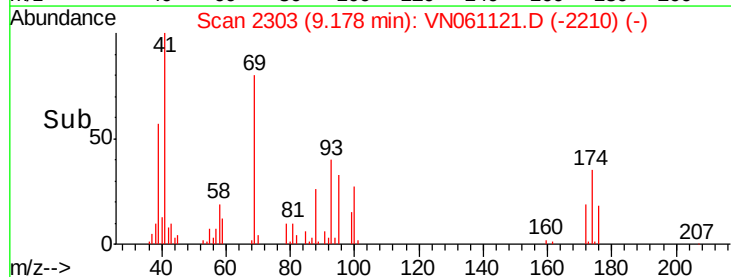
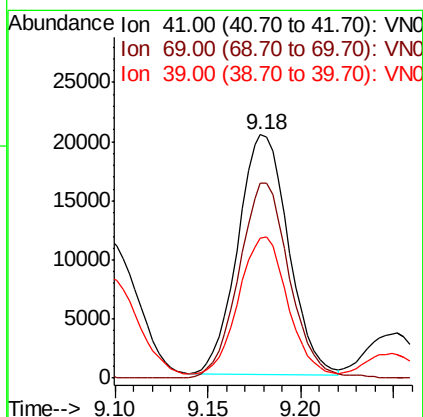
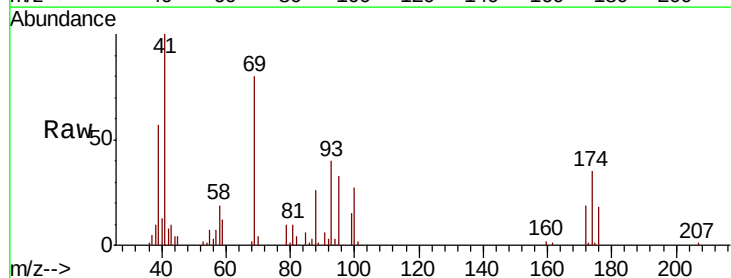
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

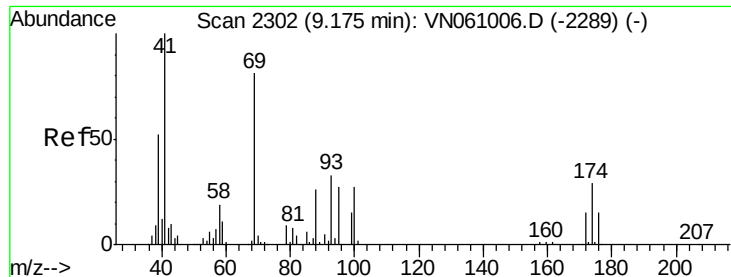
Tot Ion: 83 Resp: 49653
 Ion Ratio Lower Upper
 83 100
 85 61.5 50.6 76.0
 127 8.1 6.1 9.1



#48
 Methyl methacrylate
 Concen: 17.768 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion: 41 Resp: 38569
 Ion Ratio Lower Upper
 41 100
 69 81.3 65.3 97.9
 39 55.5 45.2 67.8

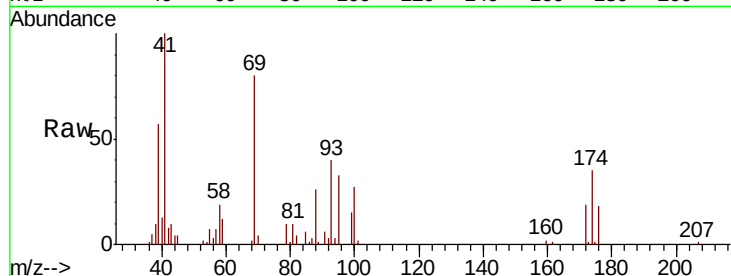




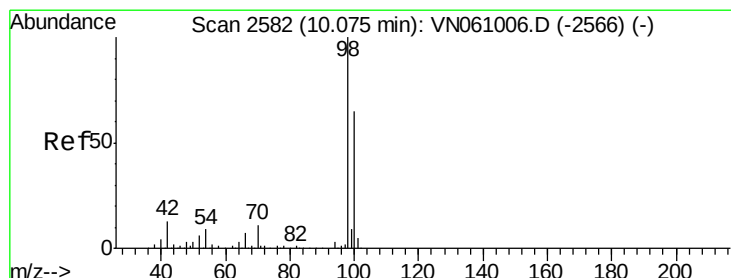
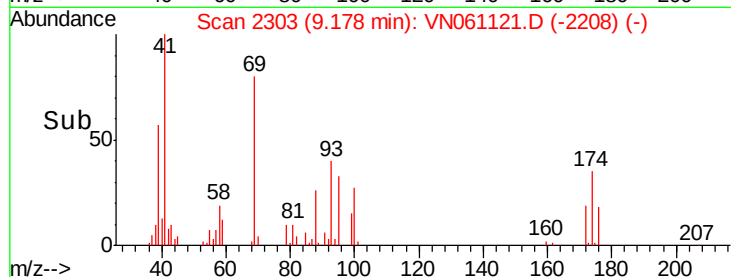
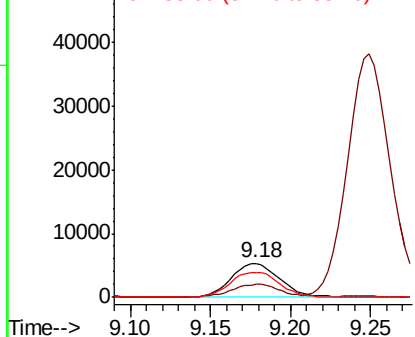
#49
1,4-Dioxane
Concen: 375.549 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion: 88 Resp: 11057
Ion Ratio Lower Upper
88 100
43 37.6 30.9 46.3
58 74.6 59.8 89.8

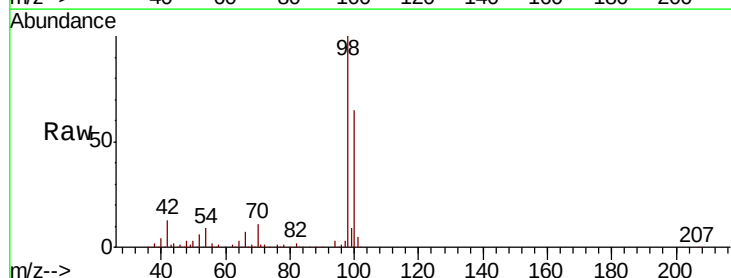


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

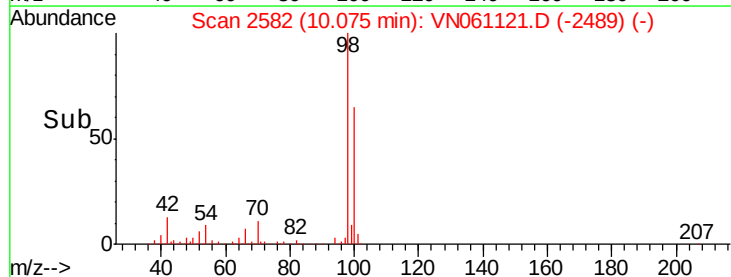
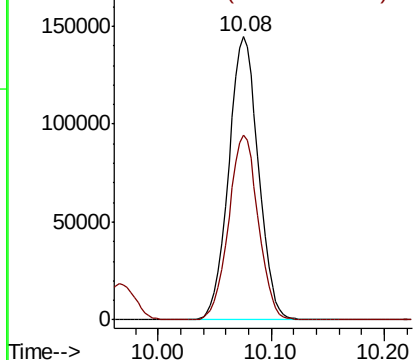


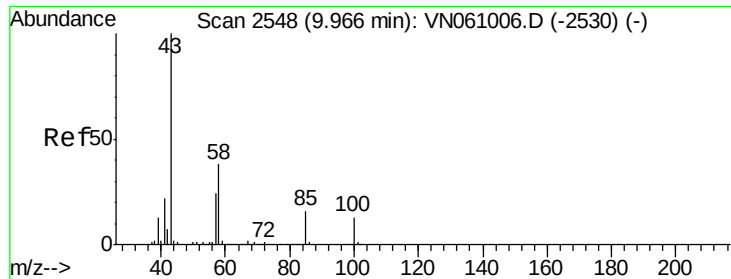
#50
Toluene-d8
Concen: 44.350 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 98 Resp: 263802
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



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

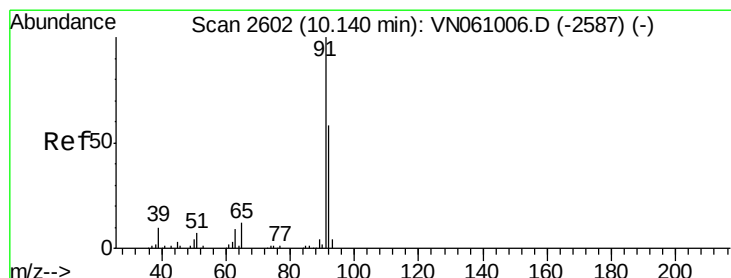
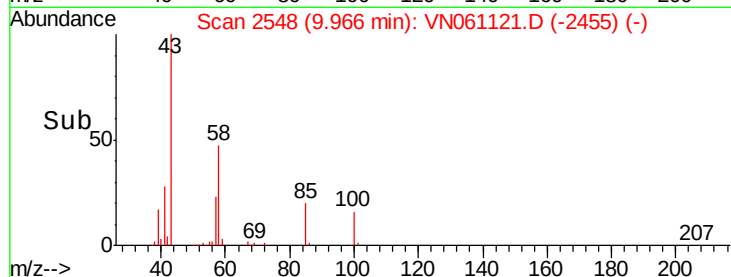
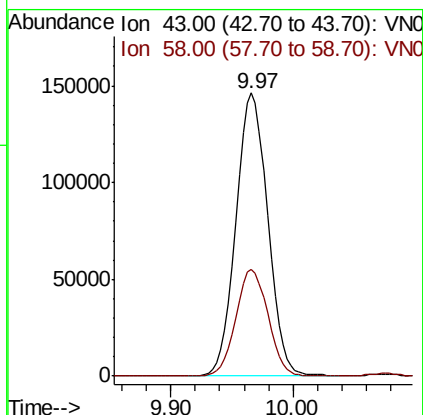
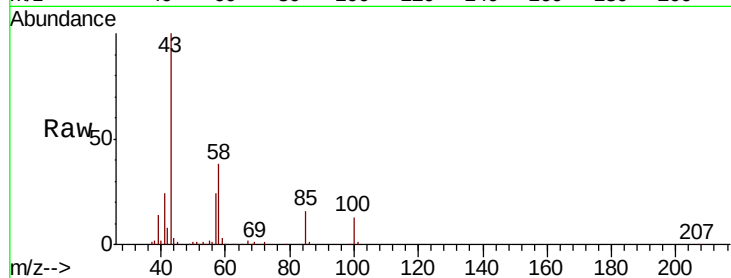




#51
 4-Methyl-2-Pentanone
 Concen: 93.234 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

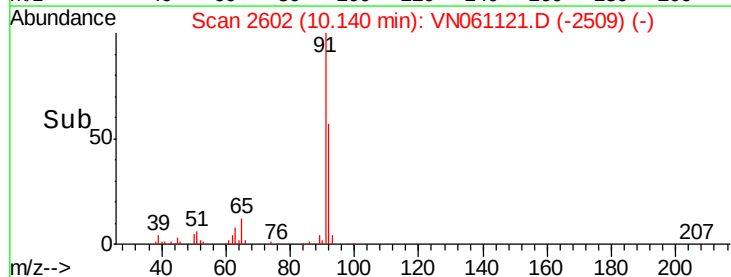
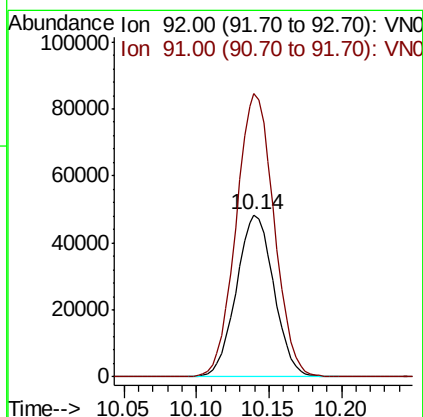
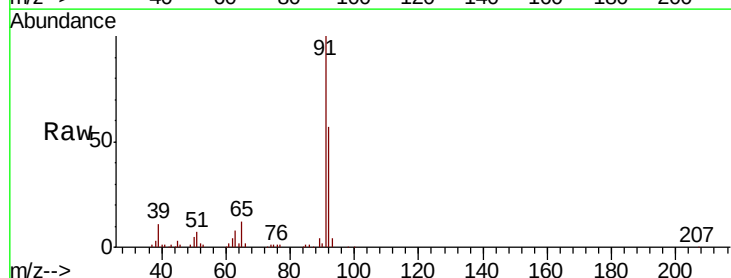
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

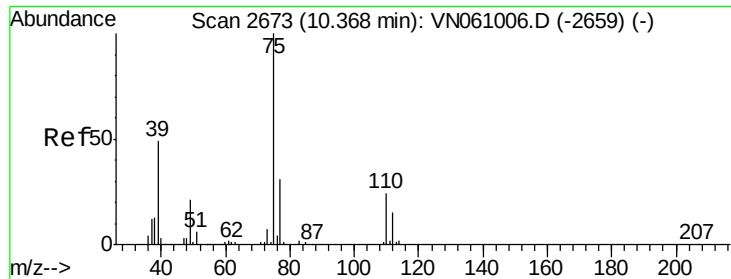
Tot Ion: 43 Resp: 263998
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.3 45.5



#52
 Toluene
 Concen: 17.596 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion: 92 Resp: 87105
 Ion Ratio Lower Upper
 92 100
 91 176.6 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 17.600 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

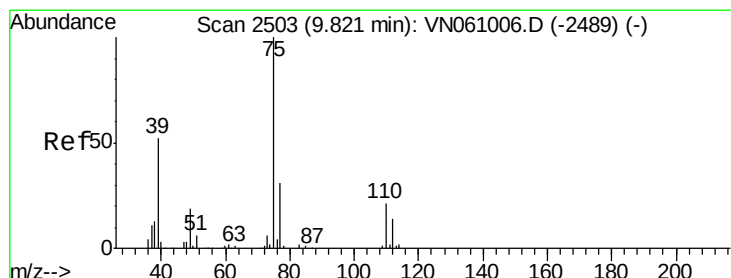
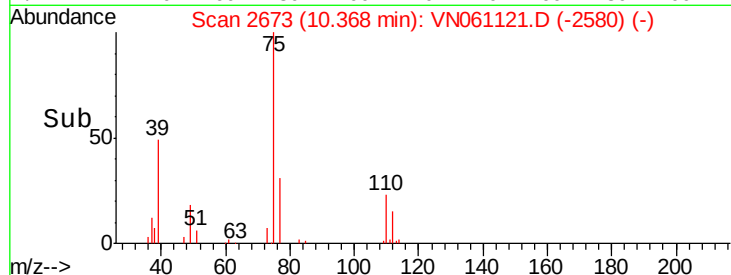
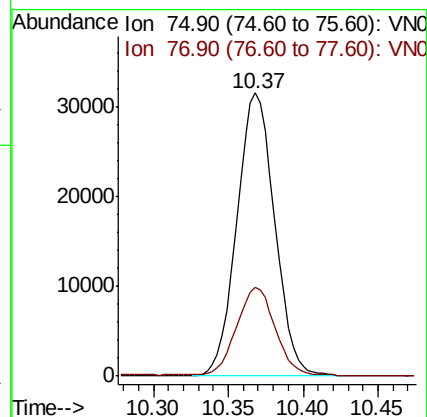
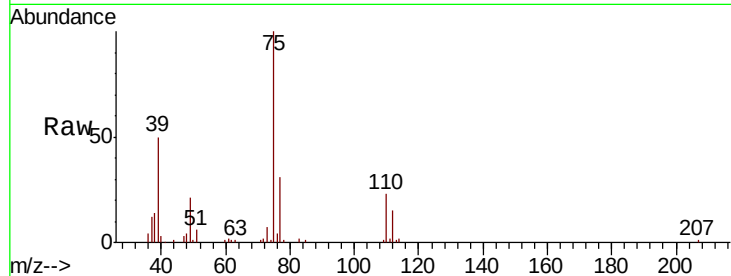
VN0420WBSD02

Tot Ion: 75 Resp: 55498

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 17.483 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

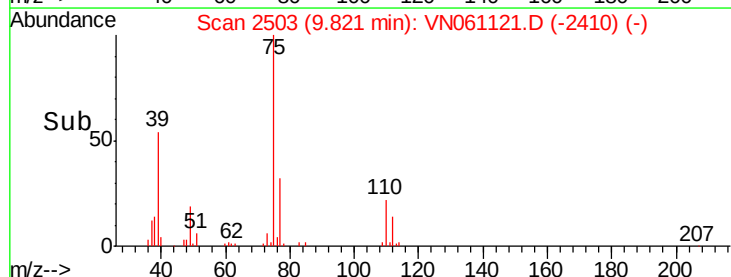
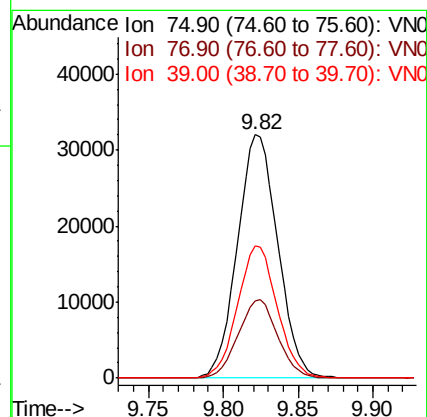
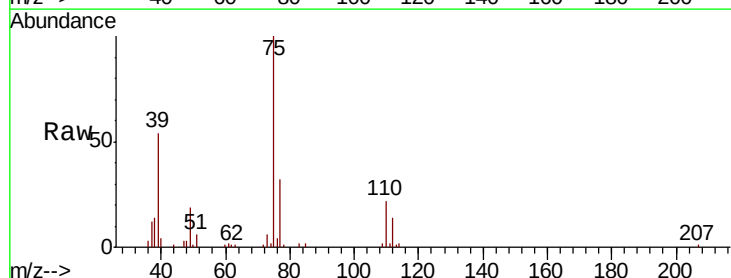
Tgt Ion: 75 Resp: 60151

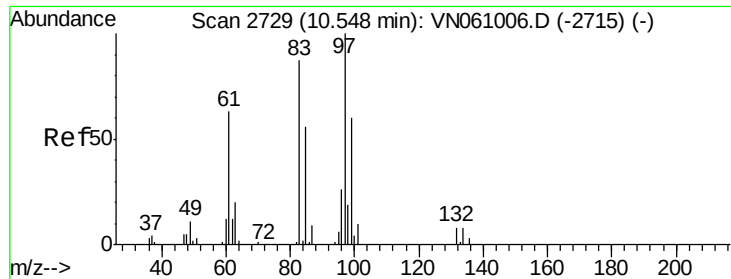
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6

39 54.2 41.4 62.2

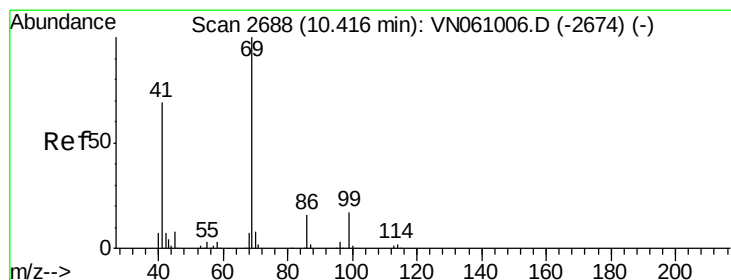
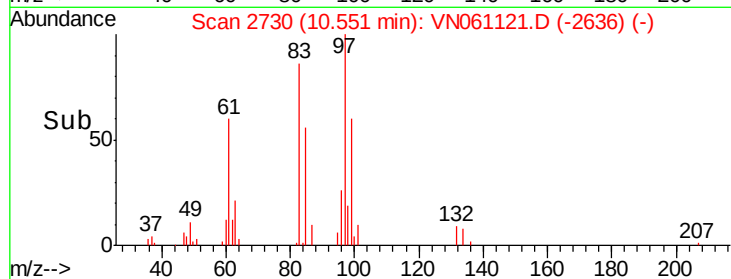
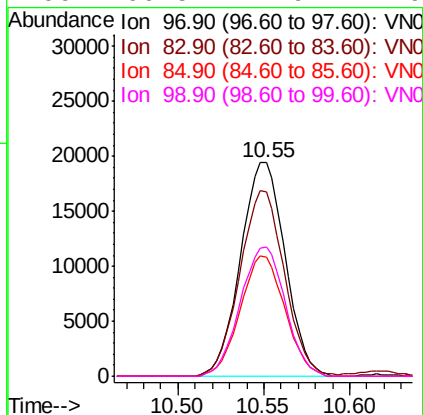
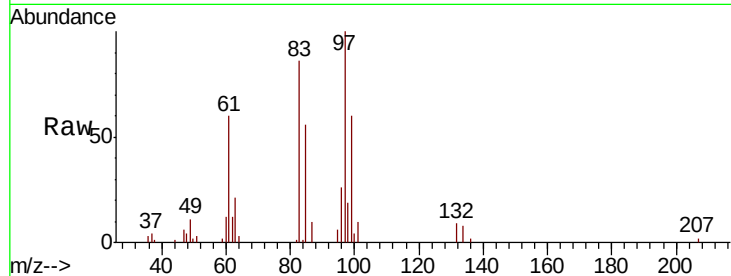




#55
 1,1,2-Trichloroethane
 Concen: 18.661 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

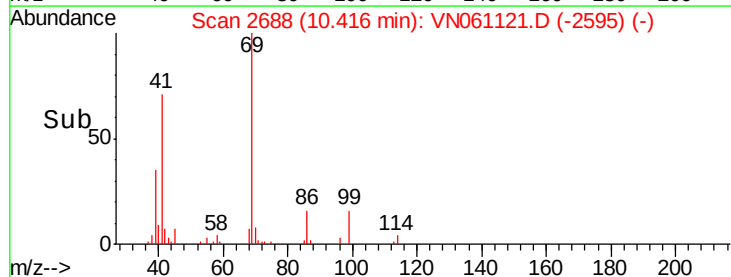
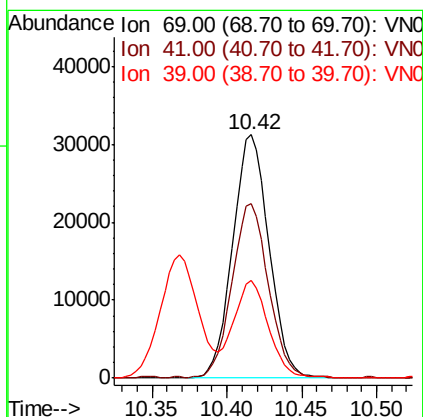
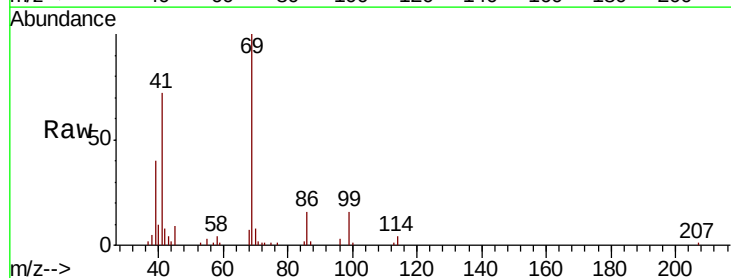
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

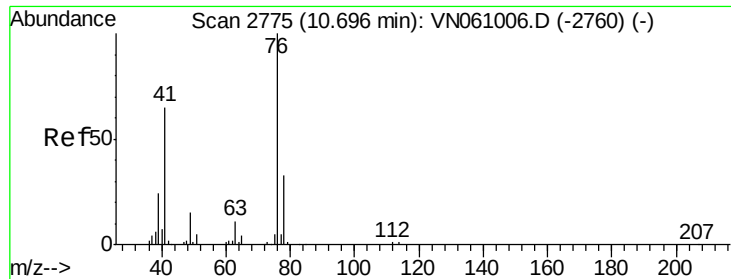
Tot Ion	97	Resp	34958
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.5	104.3
85	55.7	45.0	67.4
99	60.5	47.9	71.9



#56
 Ethyl methacrylate
 Concen: 17.897 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion	69	Resp	52720
Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.7	85.1
39	38.9	29.4	44.0

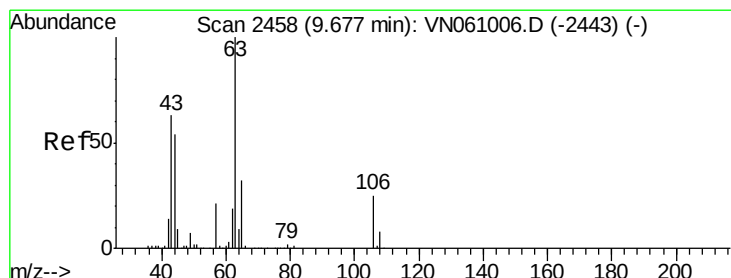
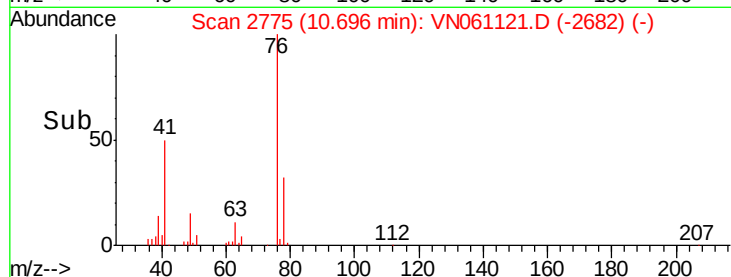
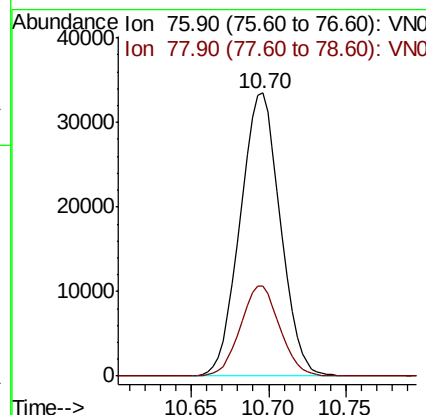
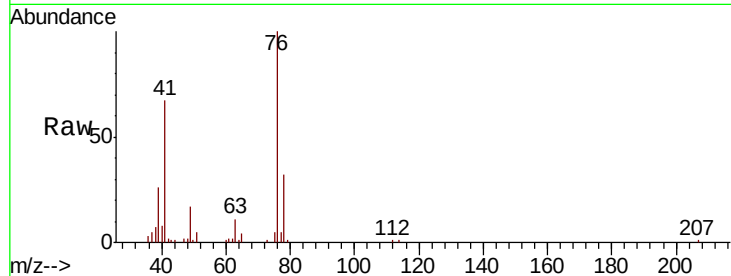




#57
 1,3-Dichloropropane
 Concen: 18.069 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

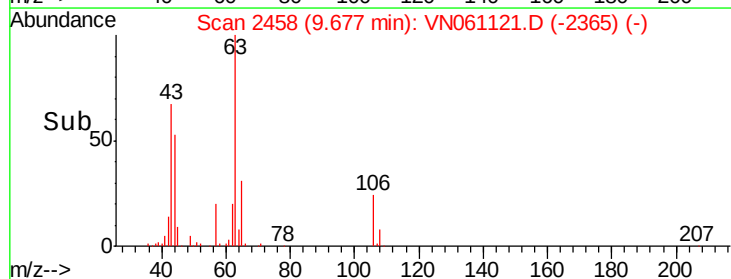
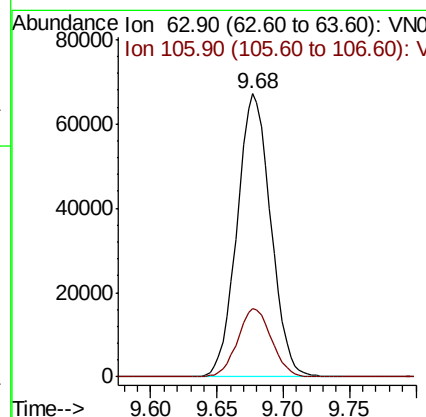
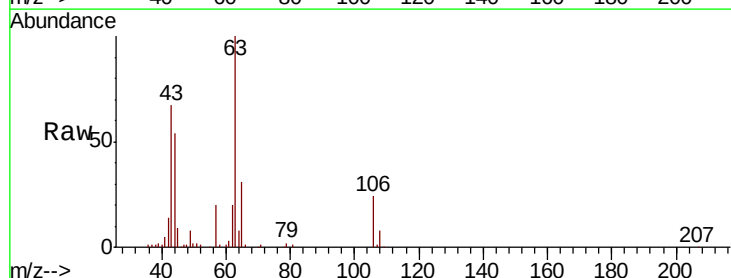
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

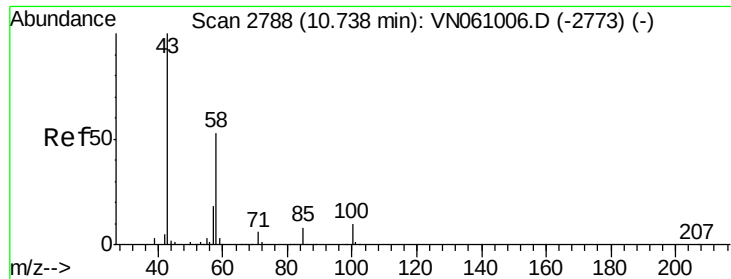
Tot Ion: 76 Resp: 60377
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.476 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion: 63 Resp: 118429
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.5 29.3

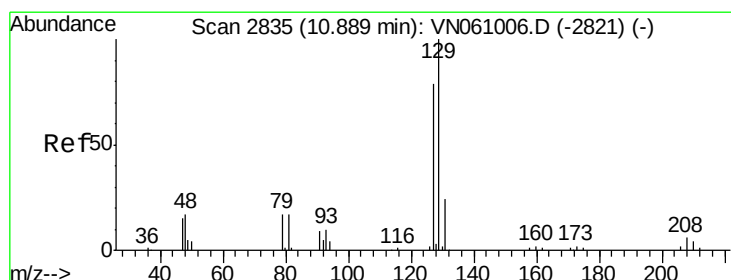
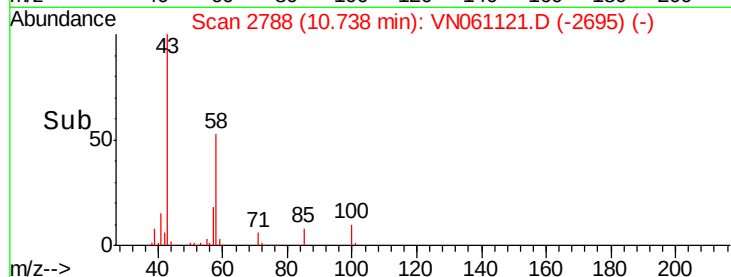
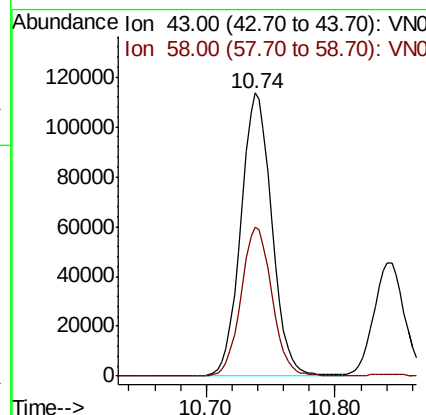
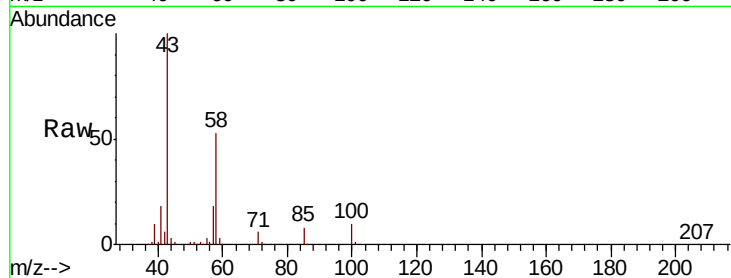




#59
2-Hexanone
Concen: 92.973 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

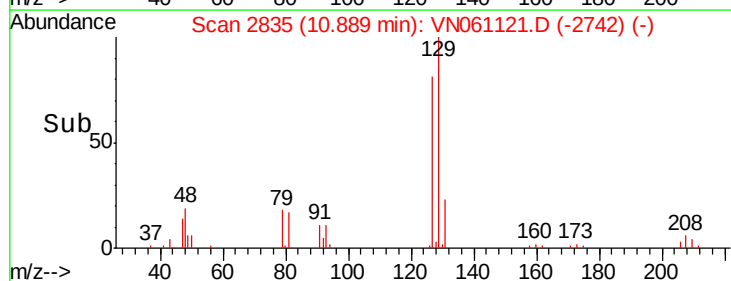
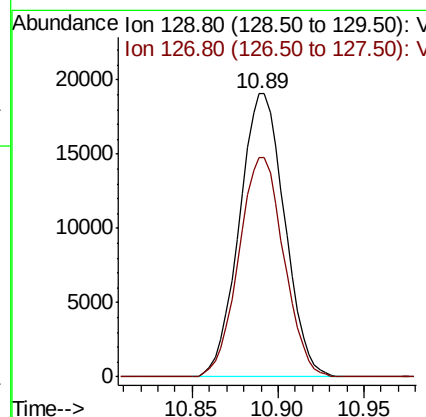
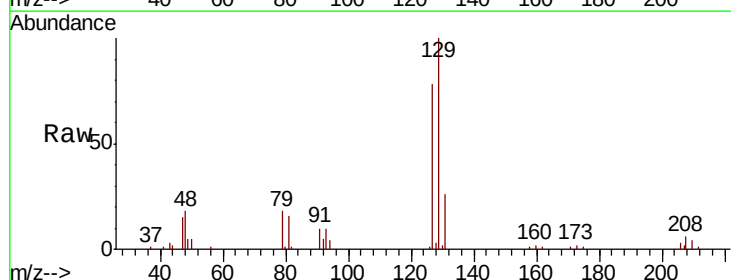
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

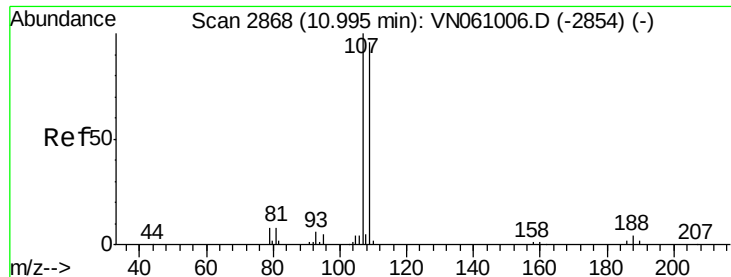
Tot Ion: 43 Resp: 189857
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0



#60
Dibromochloromethane
Concen: 18.142 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 129 Resp: 34911
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 17.975 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

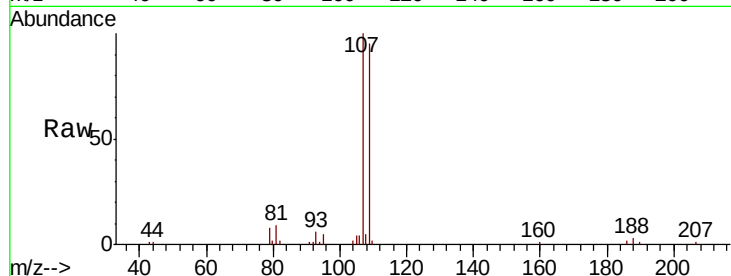
VN0420WBSD02

Tot Ion:107 Resp: 34313

Ion Ratio Lower Upper

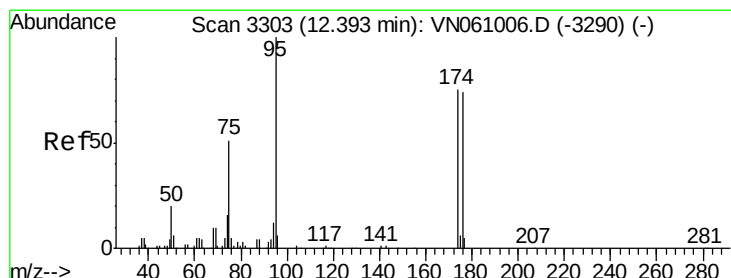
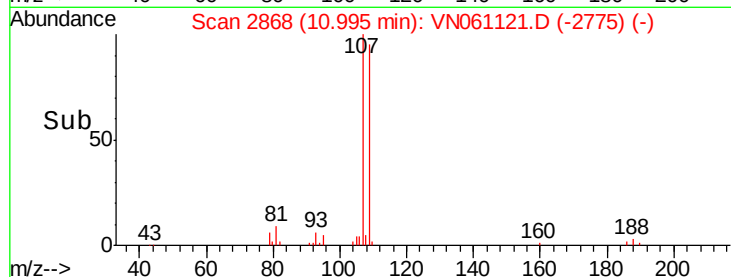
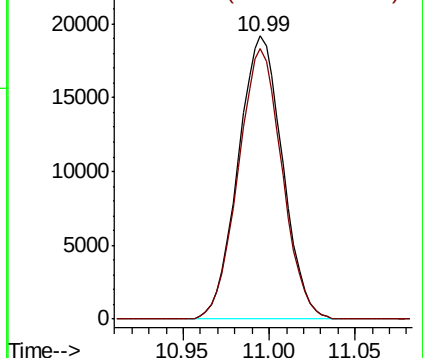
107 100

109 94.4 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.517 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

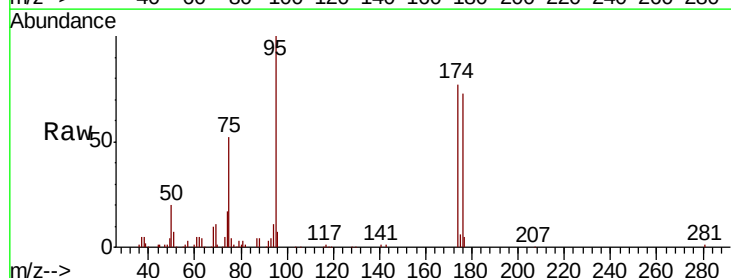
Tgt Ion: 95 Resp: 101448

Ion Ratio Lower Upper

95 100

174 77.6 0.0 151.2

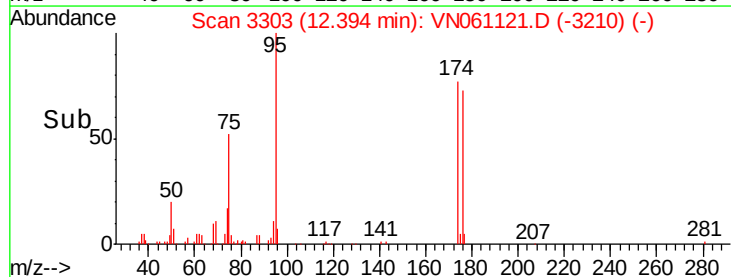
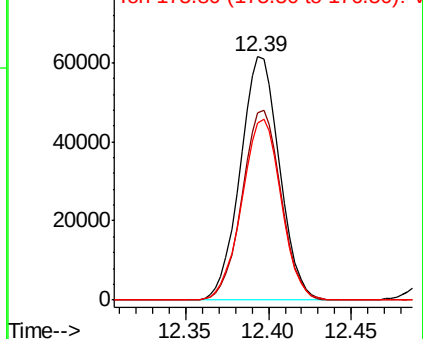
176 74.5 0.0 148.2

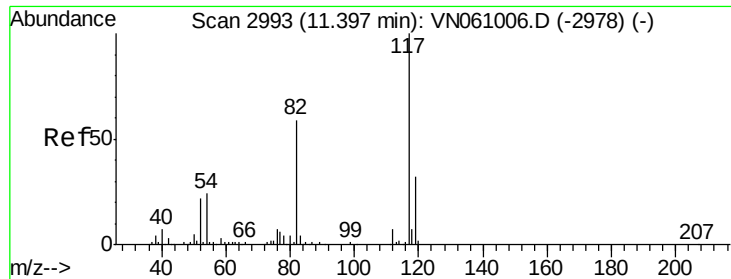


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

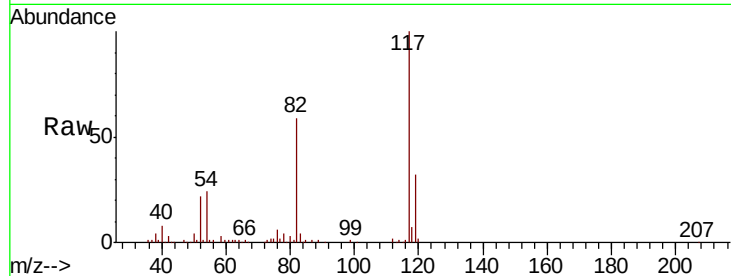




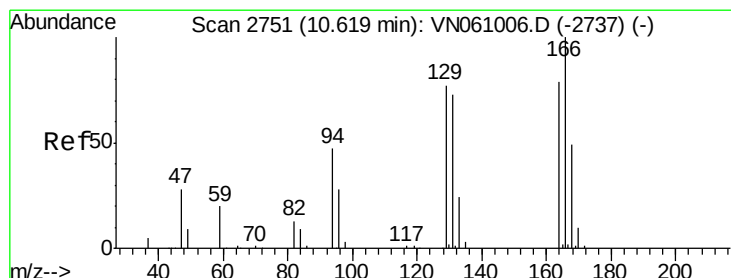
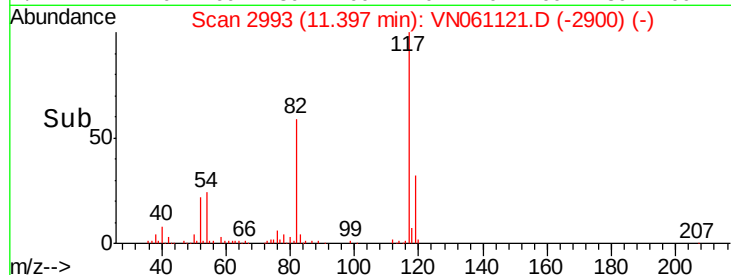
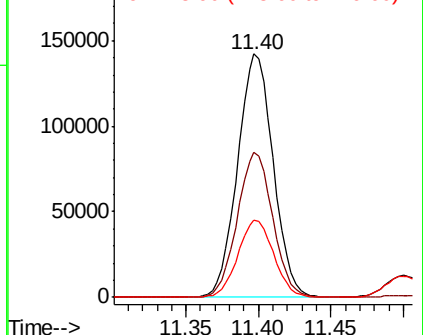
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion:117 Resp: 243489
Ion Ratio Lower Upper
117 100
82 59.5 47.1 70.7
119 31.8 25.7 38.5

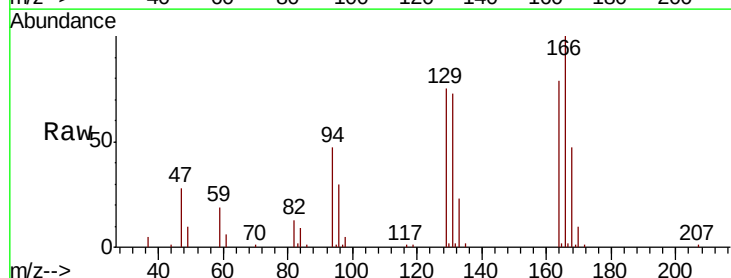


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

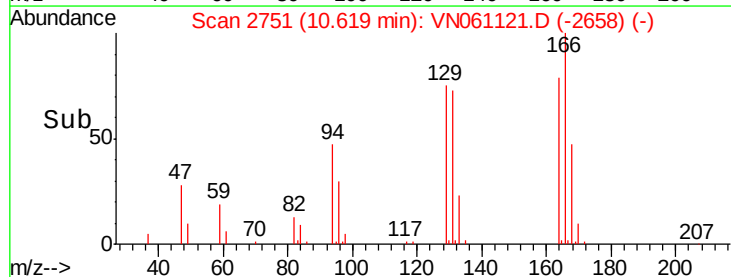
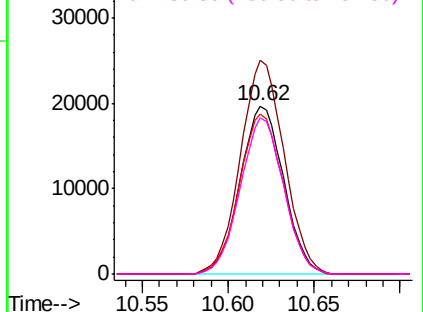


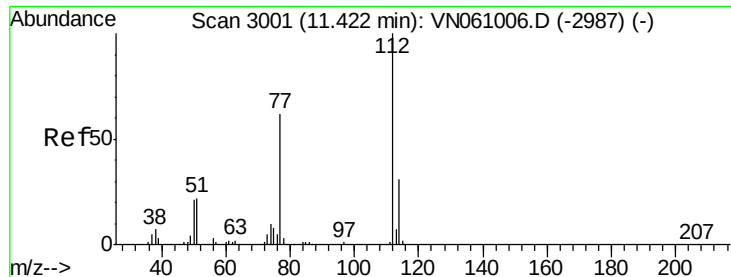
#64
Tetrachloroethene
Concen: 18.589 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion:164 Resp: 34635
Ion Ratio Lower Upper
164 100
166 126.9 101.6 152.4
129 94.8 78.5 117.7
131 92.6 74.3 111.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

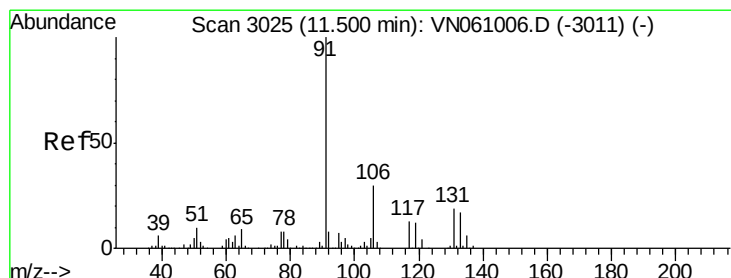
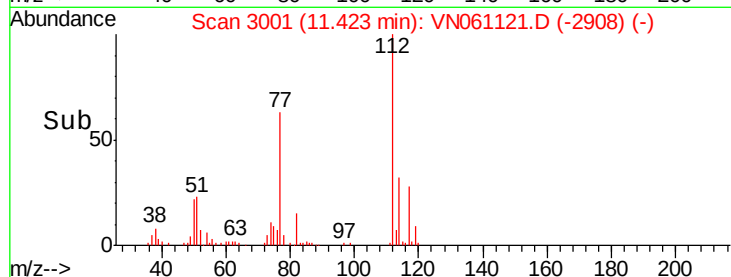
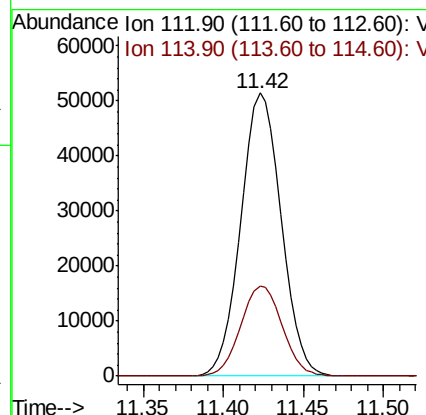
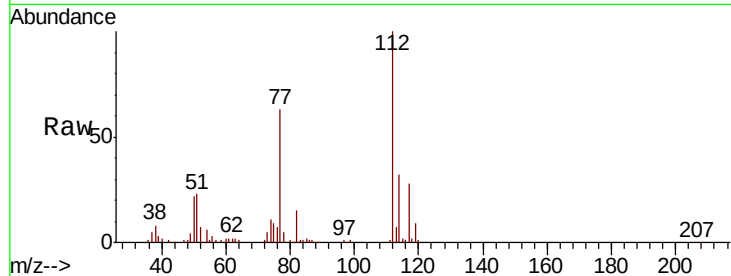




#65
Chlorobenzene
Concen: 17.598 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

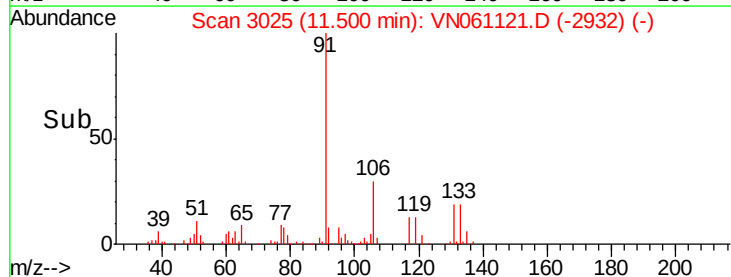
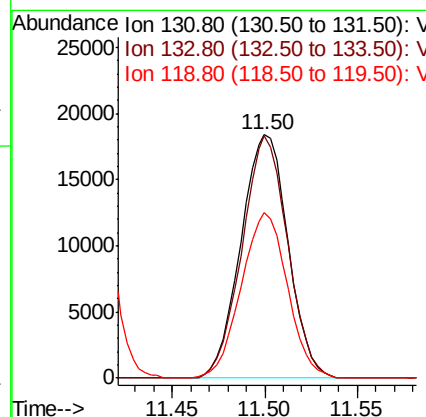
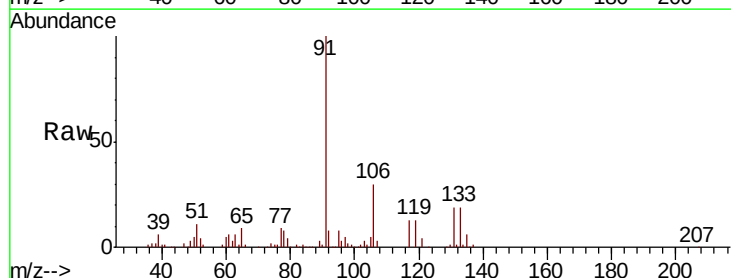
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

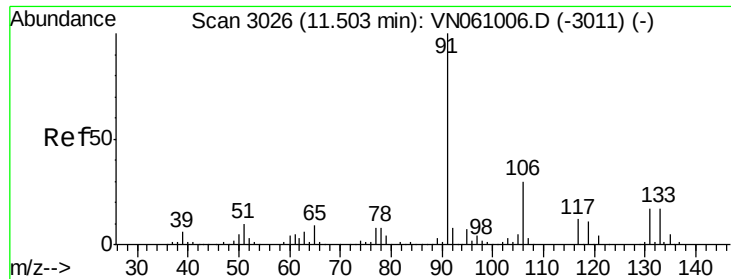
Tot Ion:112 Resp: 88459
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 18.140 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion:131 Resp: 32621
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 66.7 33.3 99.8

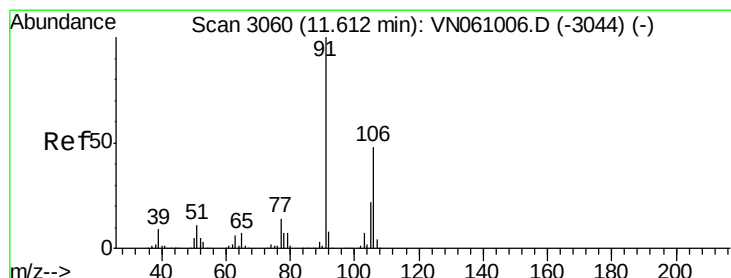
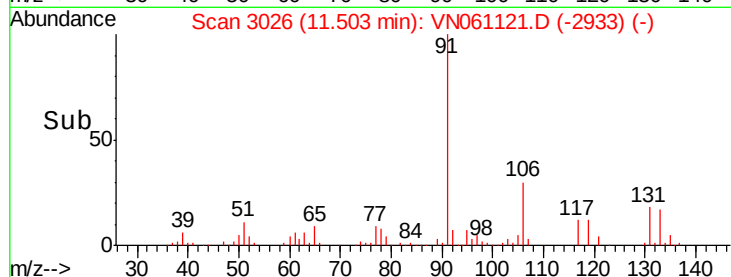
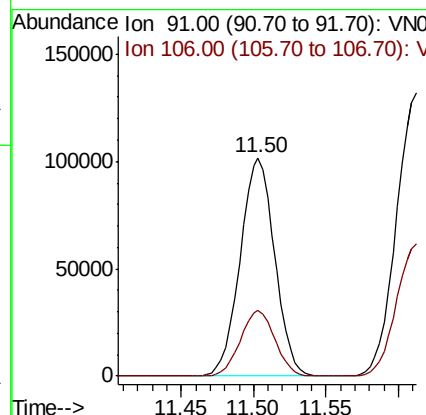
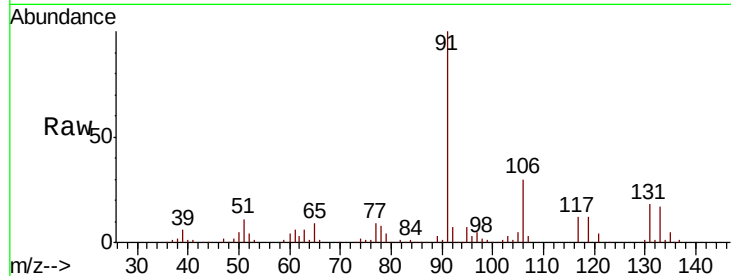




#67
Ethyl Benzene
Concen: 17.727 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

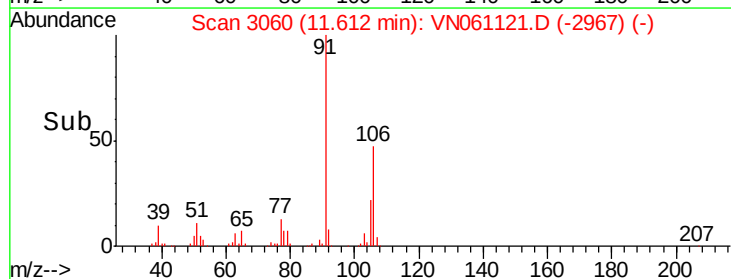
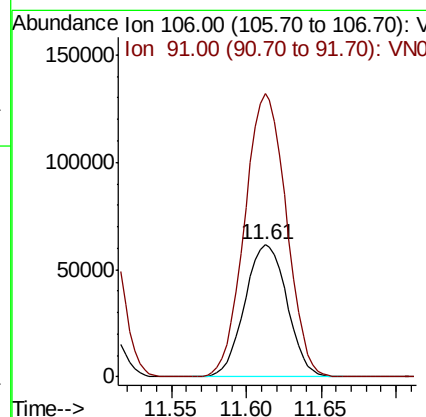
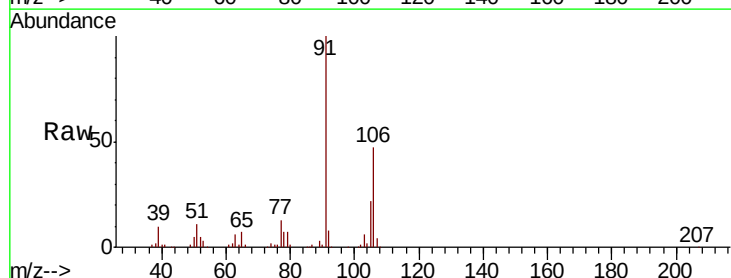
Instrument :
MSVOA_N
ClientSampleID :
VN0420WBSD02

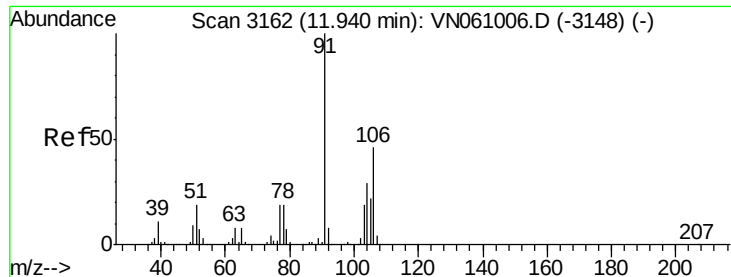
Tot Ion: 91 Resp: 167606
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8



#68
m/p-Xylenes
Concen: 35.534 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 106 Resp: 121423
Ion Ratio Lower Upper
106 100
91 210.8 167.9 251.9

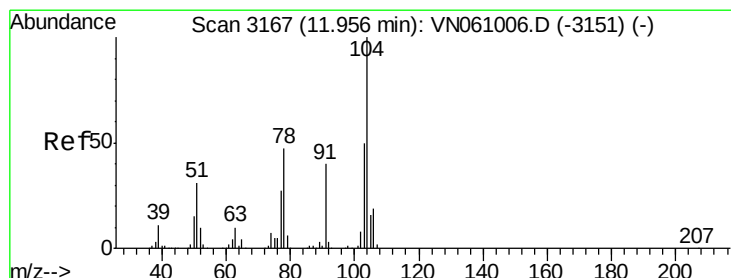
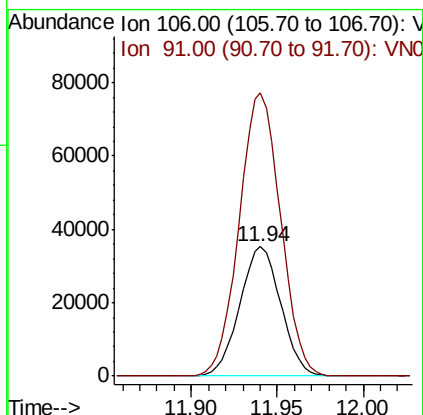
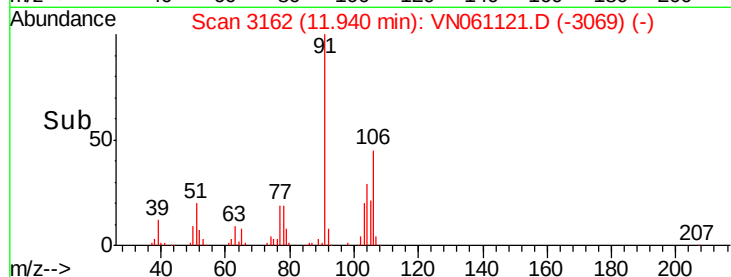
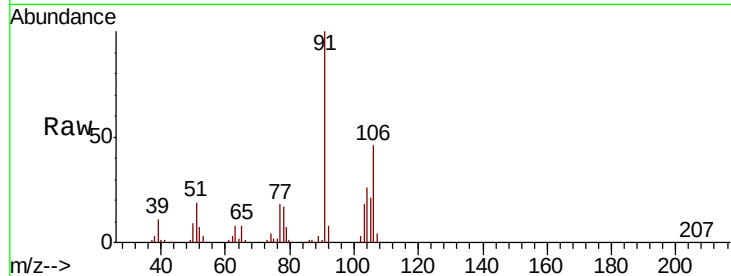




#69
o-Xylene
Concen: 17.745 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

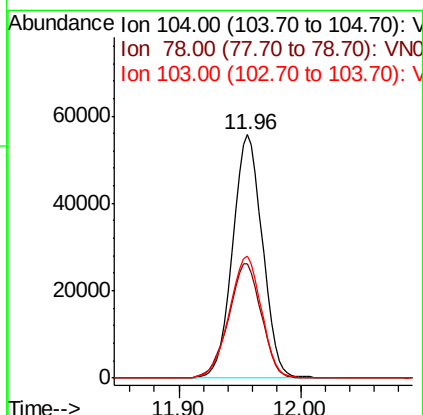
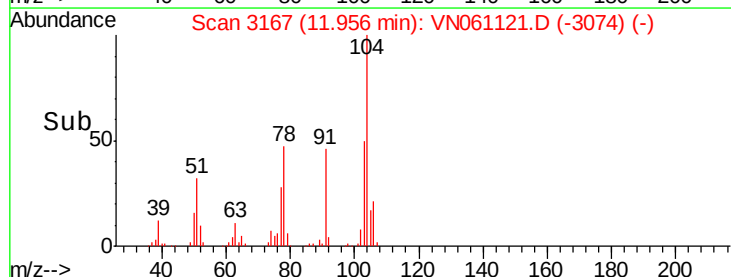
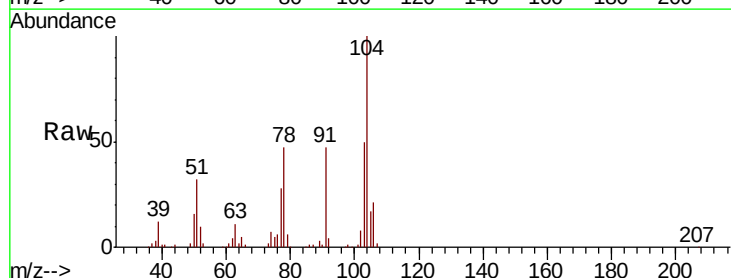
Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

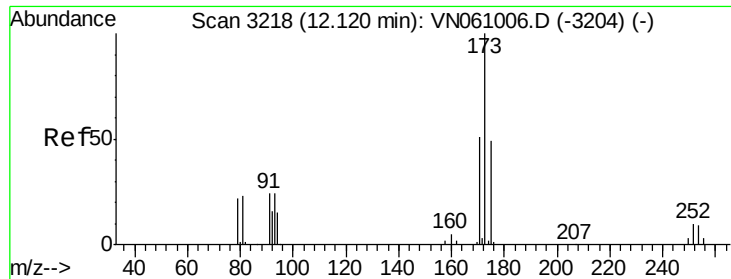
Tot Ion:106 Resp: 58299
Ion Ratio Lower Upper
106 100
91 220.7 110.7 332.1



#70
Styrene
Concen: 17.833 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion:104 Resp: 94321
Ion Ratio Lower Upper
104 100
78 51.7 42.2 63.4
103 54.6 44.4 66.6

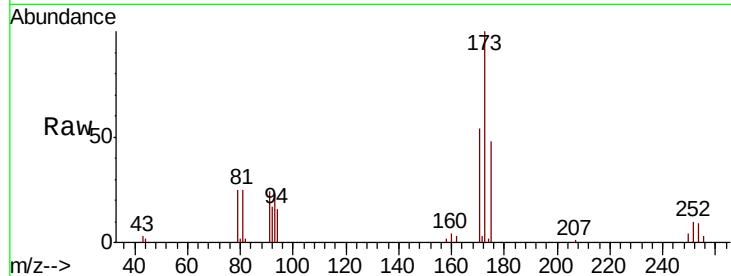




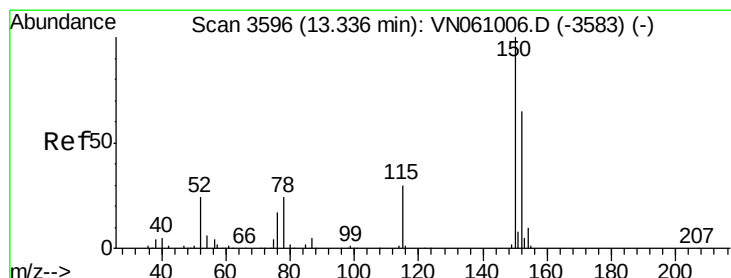
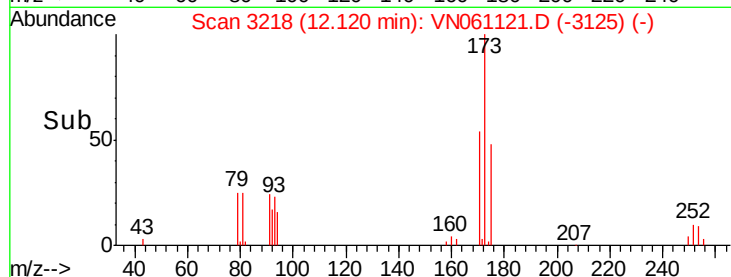
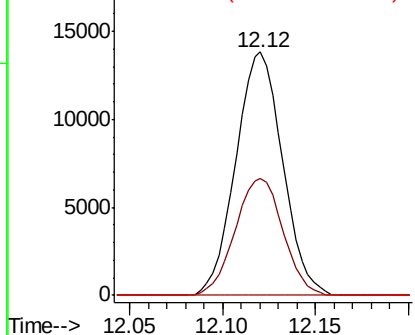
#71
Bromoform
Concen: 18.031 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Instrument :
MSVOA_N
ClientSampleId :
VN0420WBSD02

Tot Ion:173 Resp: 24204
Ion Ratio Lower Upper
173 100
175 49.0 24.5 73.5
254 0.0 0.0 0.0

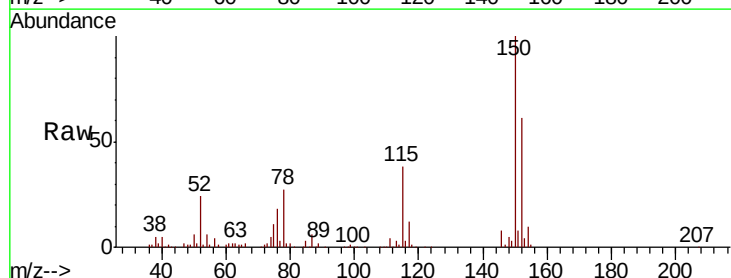


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

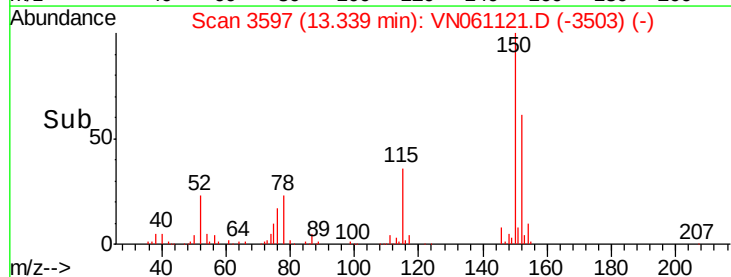
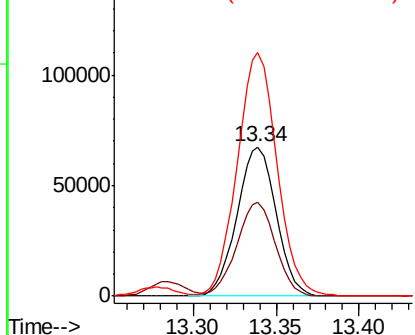


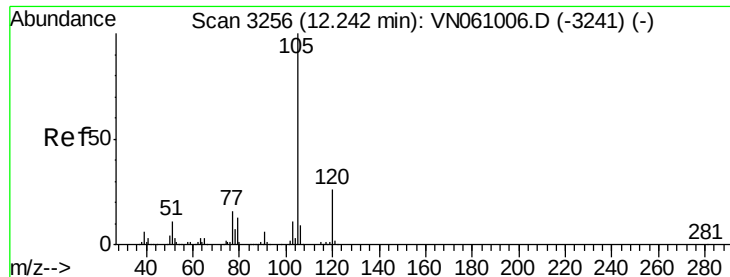
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion:152 Resp: 110928
Ion Ratio Lower Upper
152 100
115 61.7 30.8 92.4
150 165.9 0.0 349.0



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: 17.811 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampled :

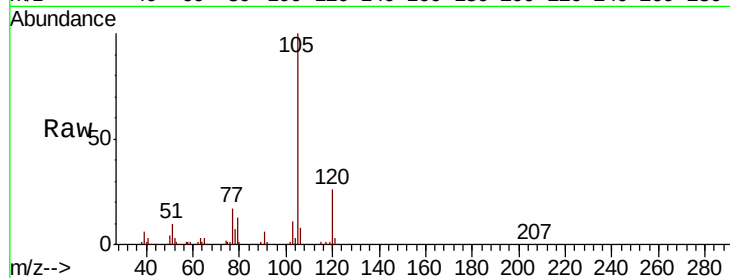
VN0420WBSD02

Tot Ion:105 Resp: 158286

Ion Ratio Lower Upper

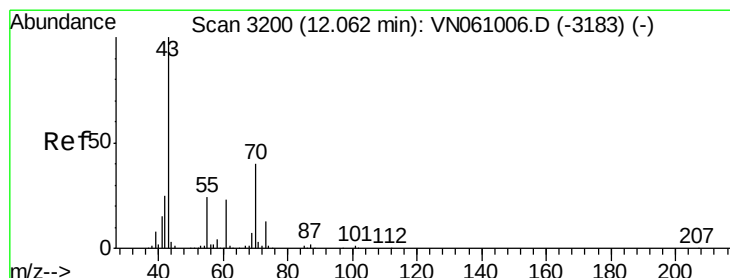
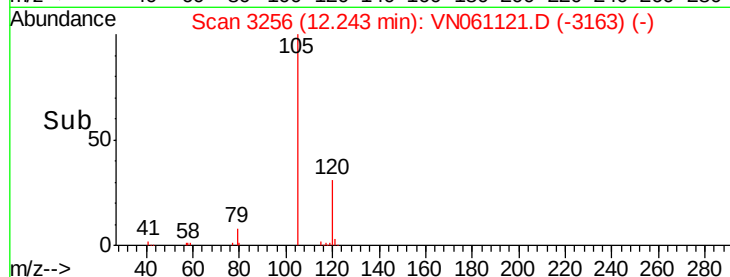
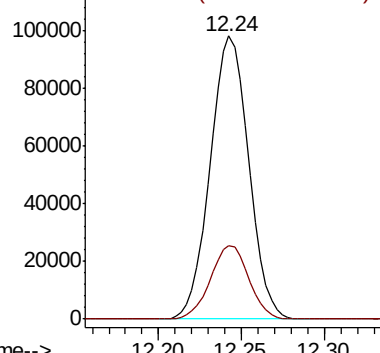
105 100

120 25.9 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.420 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Tgt Ion: 43 Resp: 71994

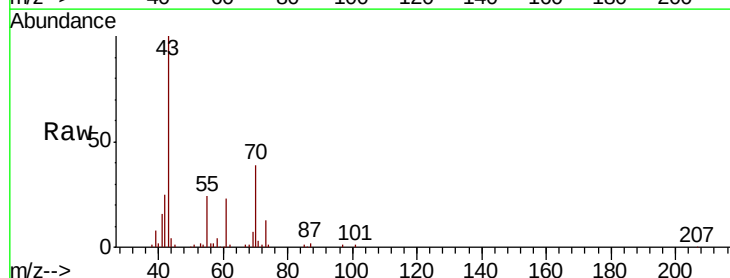
Ion Ratio Lower Upper

43 100

70 37.7 31.0 46.6

55 23.4 18.6 27.8

61 22.3 18.2 27.4

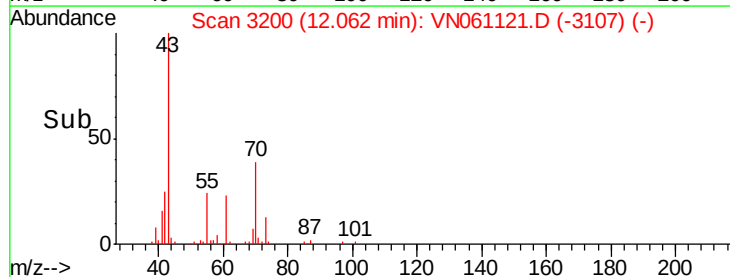
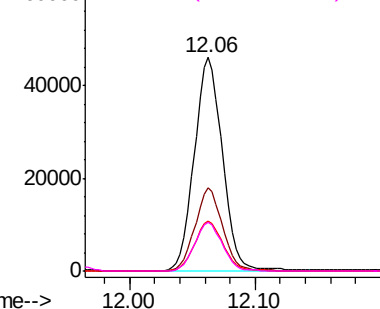


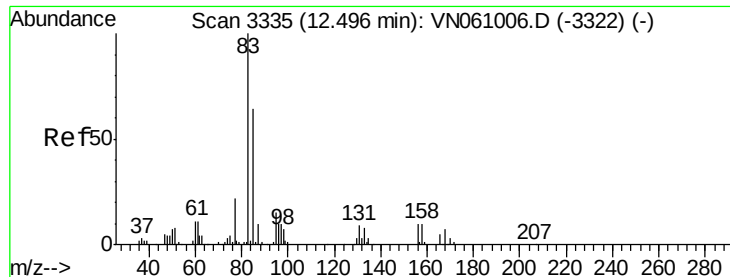
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.382 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

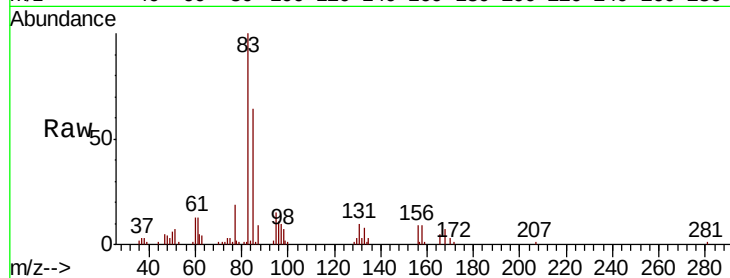
Tot Ion: 83 Resp: 49868

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

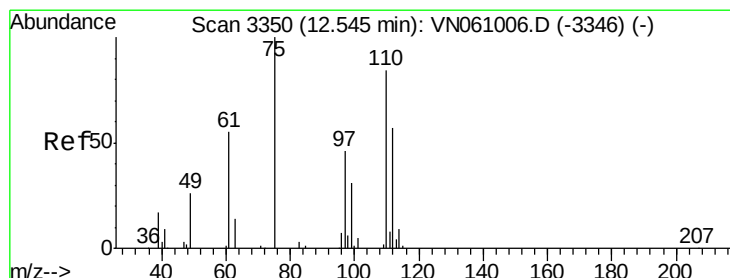
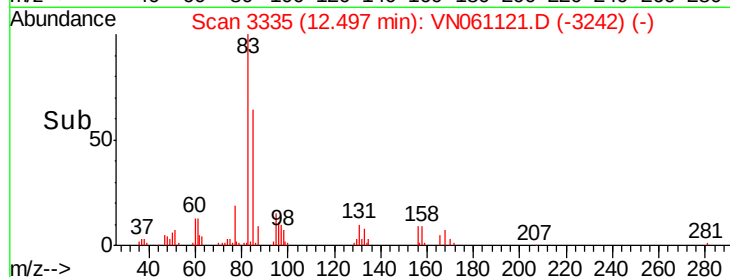
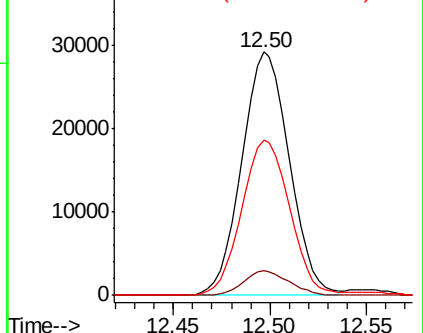
85 64.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN061121.D (-3242) (-)

Ion 130.80 (130.50 to 131.50): VN061121.D (-3242) (-)

Ion 84.90 (84.60 to 85.60): VN061121.D (-3242) (-)



#76

1,2,3-Trichloropropane

Concen: 27.399 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061121.D

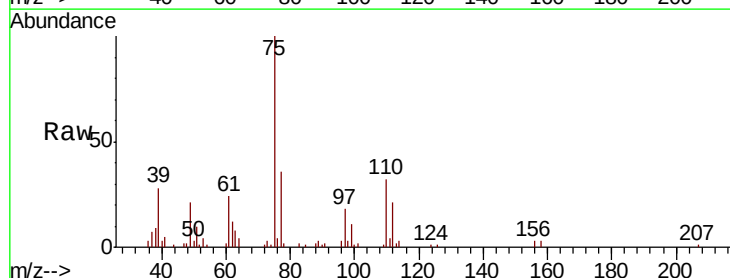
Acq: 20 Apr 2020 23:47

Tgt Ion: 75 Resp: 66852

Ion Ratio Lower Upper

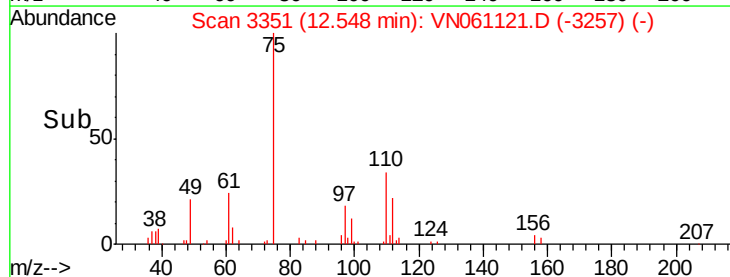
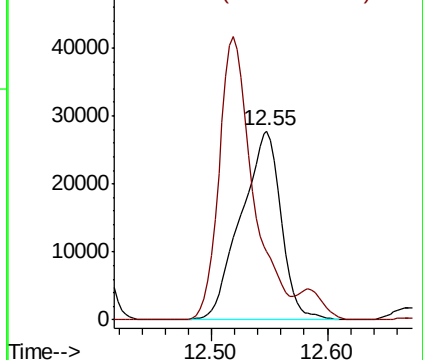
75 100

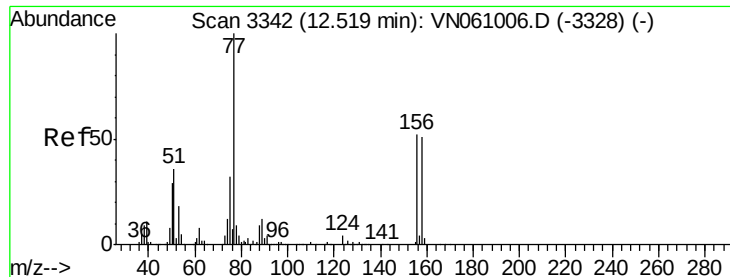
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061121.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN061121.D (-3257) (-)





#77

Bromobenzene

Concen: 17.737 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

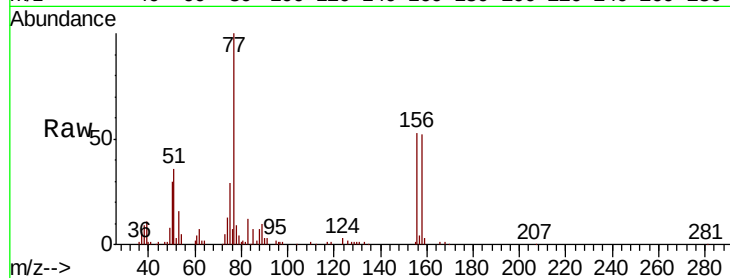
Tot Ion:156 Resp: 36804

Ion Ratio Lower Upper

156 100

77 230.7 115.6 346.8

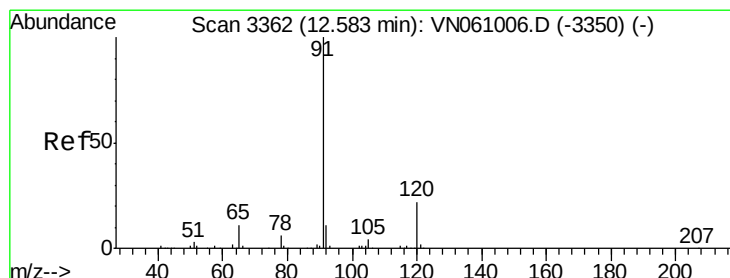
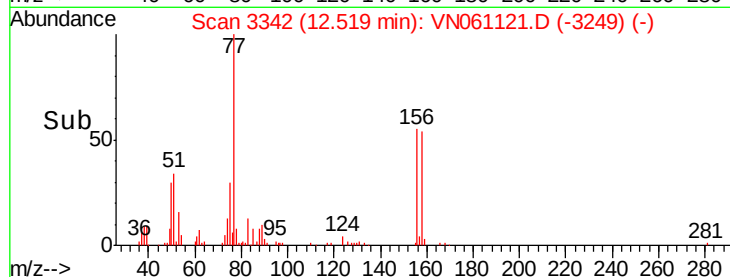
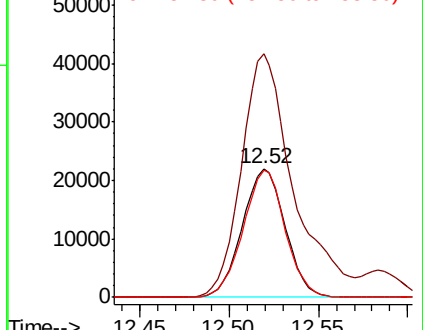
158 96.8 48.9 146.6



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: 17.896 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061121.D

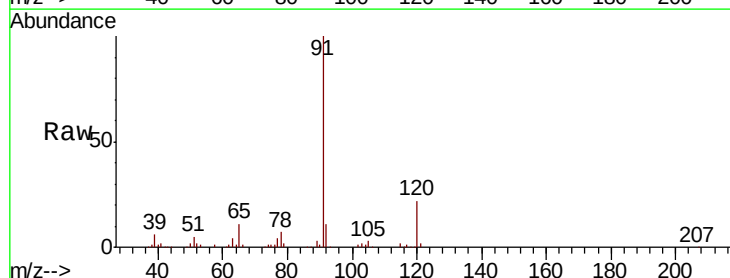
Acq: 20 Apr 2020 23:47

Tgt Ion: 91 Resp: 186071

Ion Ratio Lower Upper

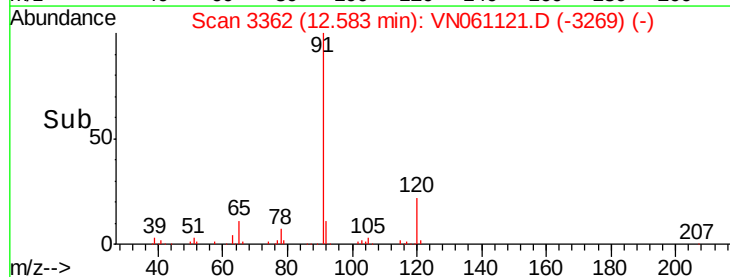
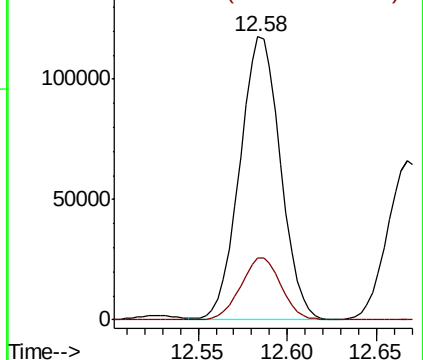
91 100

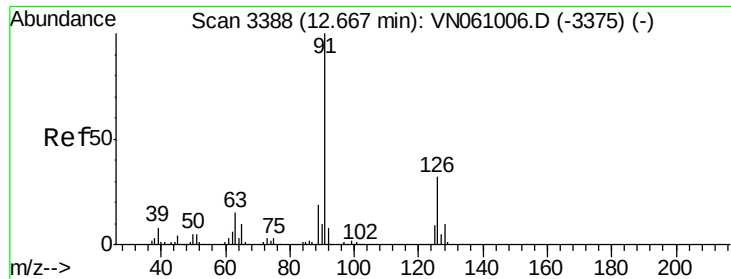
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.840 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

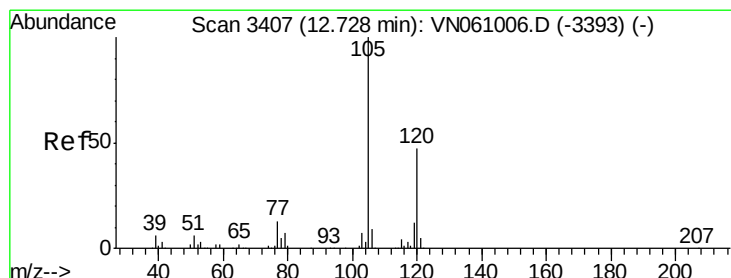
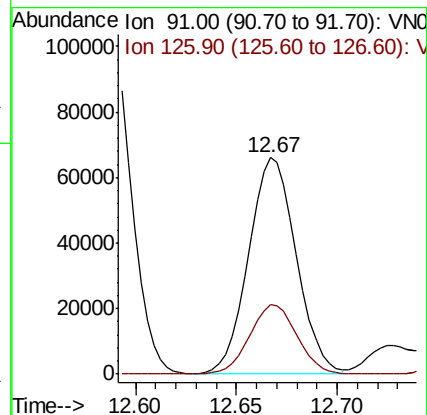
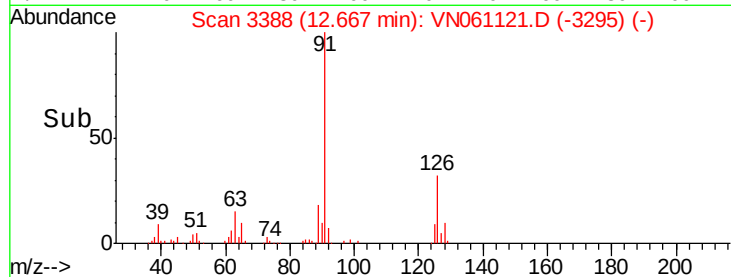
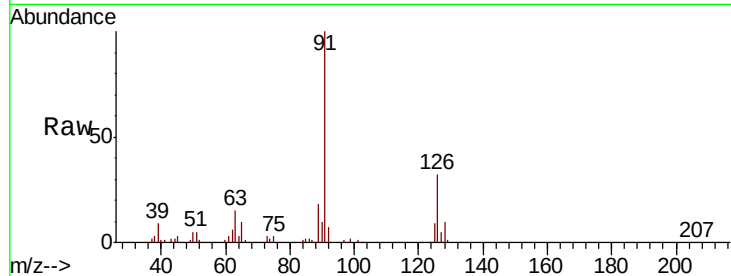
VN0420WBSD02

Tot Ion: 91 Resp: 108794

Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 17.795 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061121.D

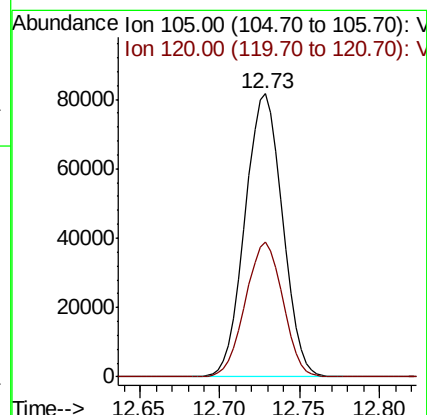
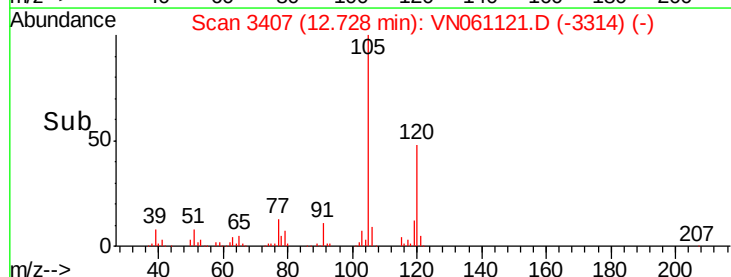
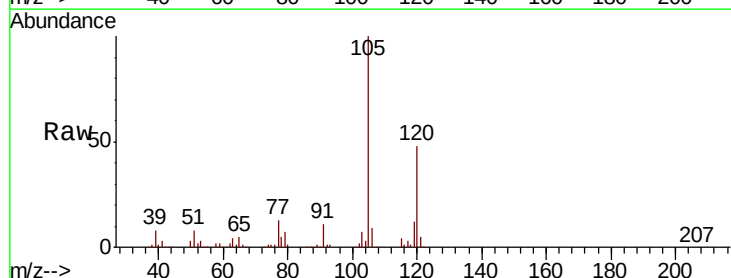
Acq: 20 Apr 2020 23:47

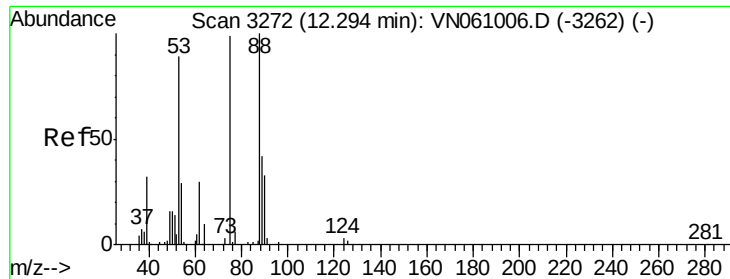
Tgt Ion: 105 Resp: 130718

Ion Ratio Lower Upper

105 100

120 47.6 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.298 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

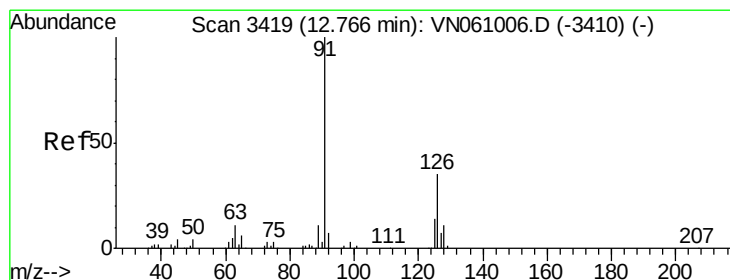
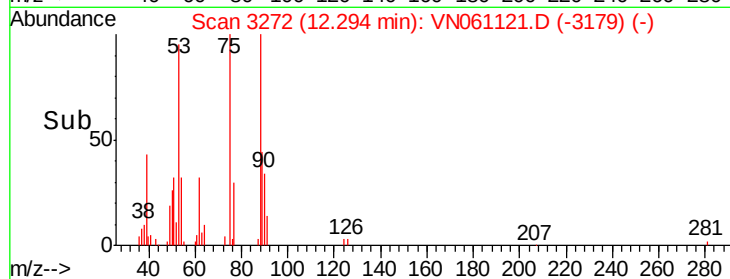
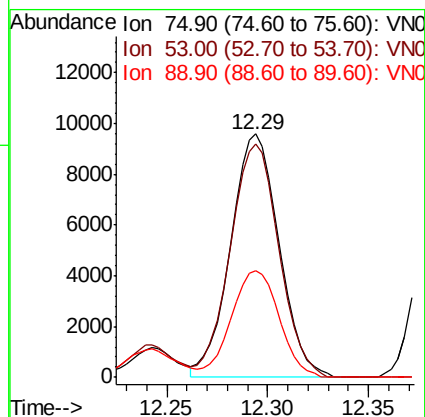
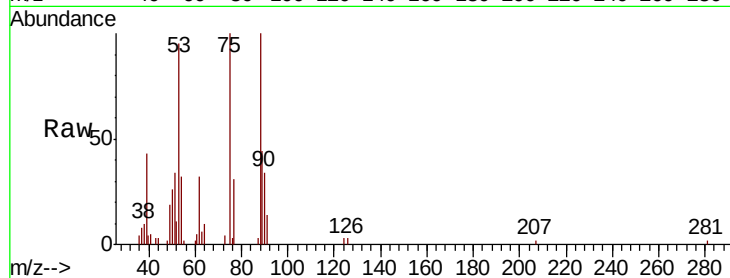
Tot Ion: 75 Resp: 16122

Ion Ratio Lower Upper

75 100

53 96.6 74.7 112.1

89 43.3 34.6 52.0



#82

4-Chlorotoluene

Concen: 17.935 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061121.D

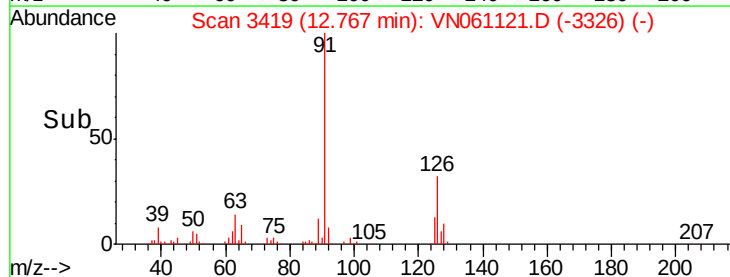
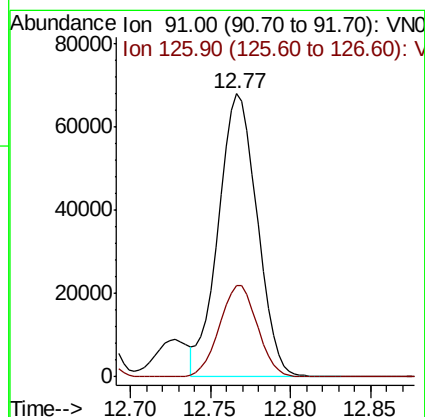
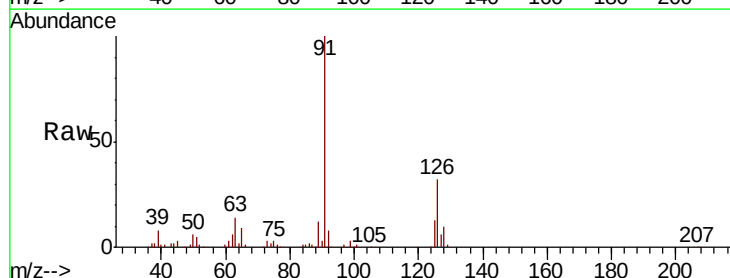
Acq: 20 Apr 2020 23:47

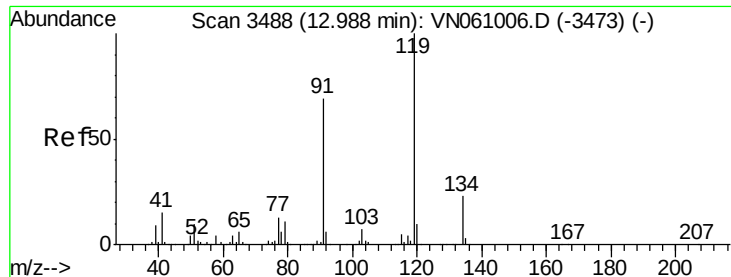
Tgt Ion: 91 Resp: 113432

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.6





#83

tert-Butylbenzene

Concen: 18.022 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

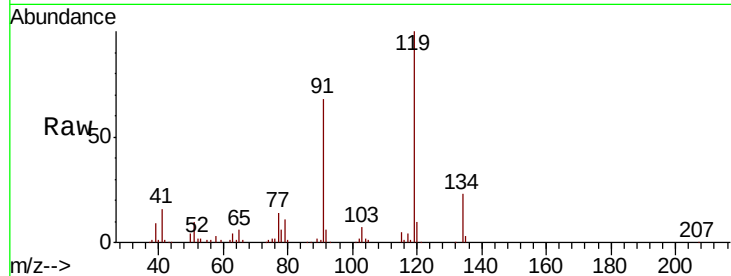
Tot Ion:119 Resp: 111336

Ion Ratio Lower Upper

119 100

91 67.6 34.1 102.3

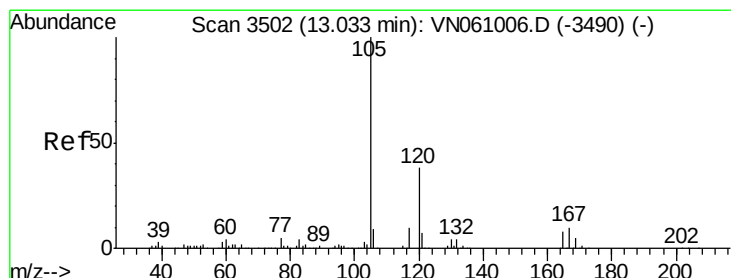
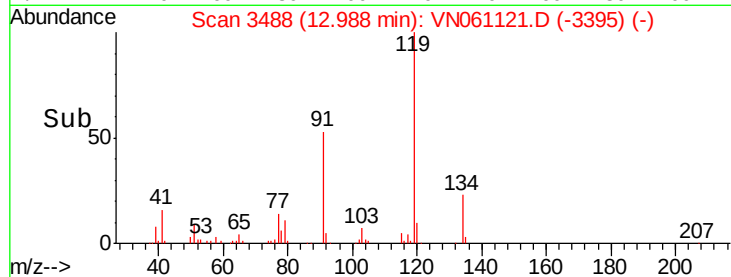
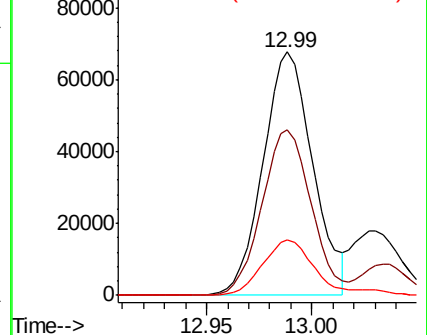
134 24.4 12.4 37.2



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: 18.014 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. 0.00 min

Lab File: VN061121.D

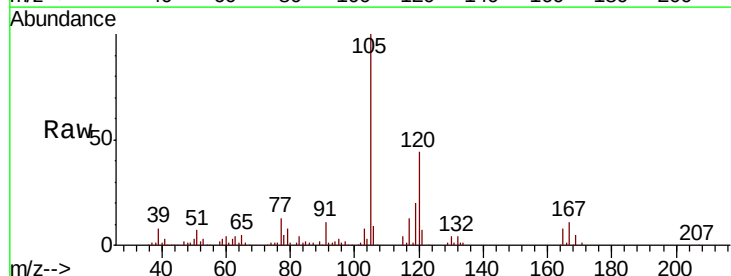
Acq: 20 Apr 2020 23:47

Tgt Ion:105 Resp: 130801

Ion Ratio Lower Upper

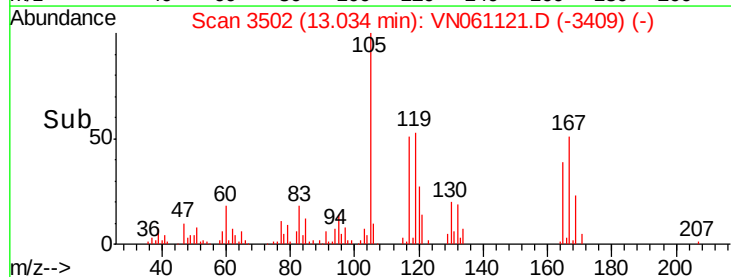
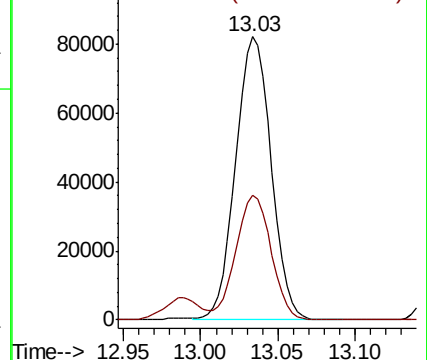
105 100

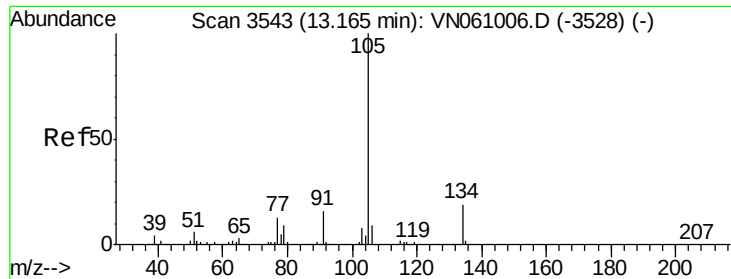
120 43.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

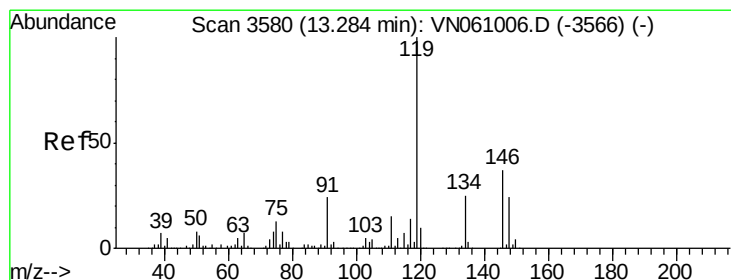
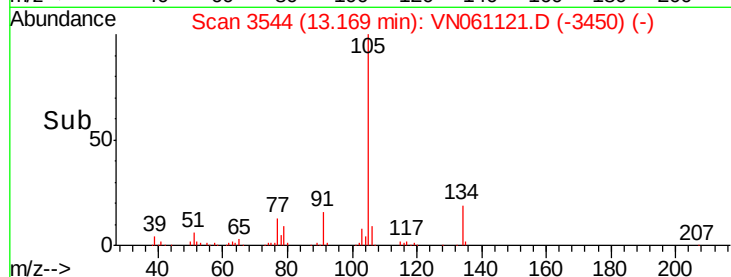
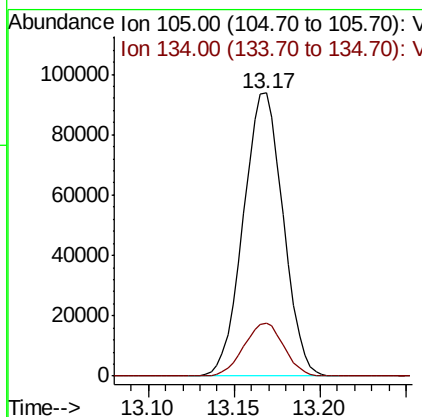
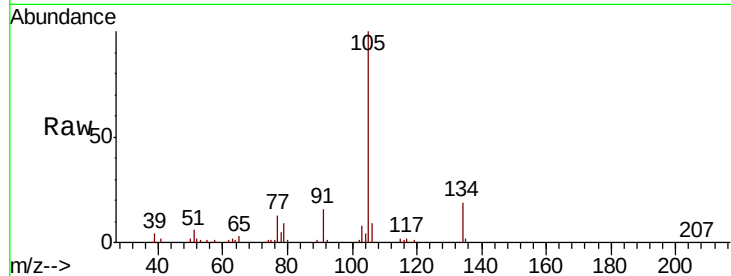




#85
 sec-Butylbenzene
 Concen: 18.022 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

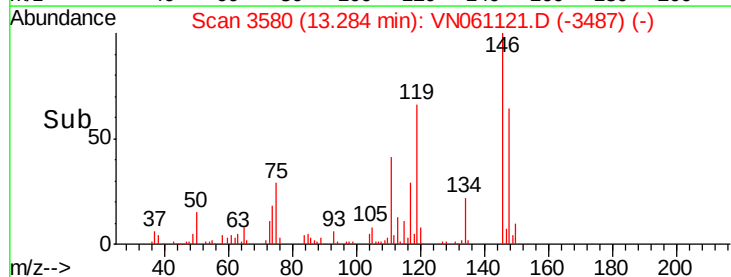
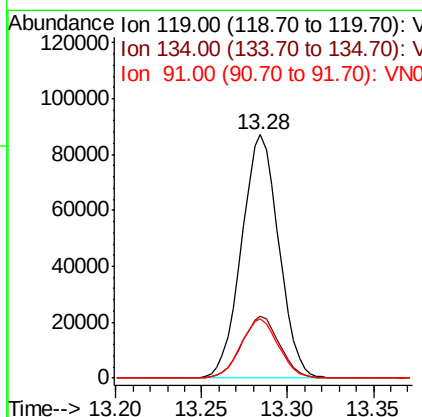
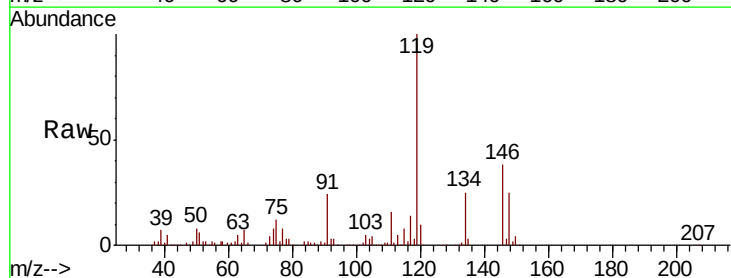
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0420WBSD02

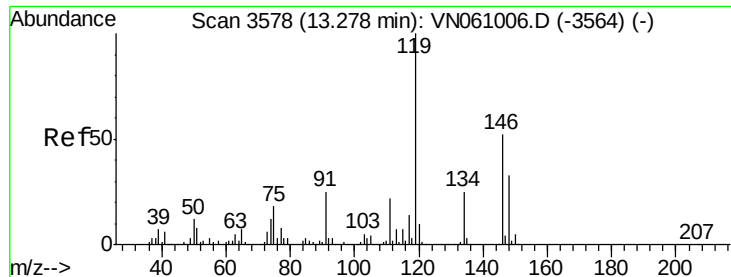
Tot Ion:105 Resp: 150851
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 17.583 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion:119 Resp: 131055
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.6 12.3 36.8

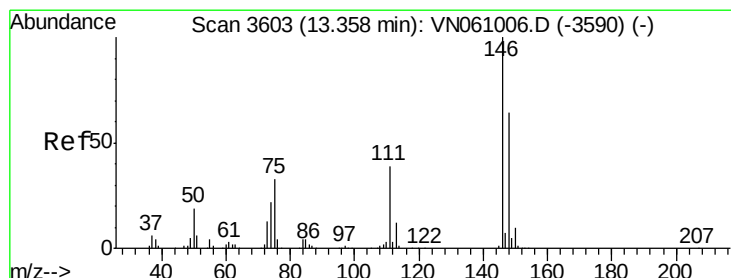
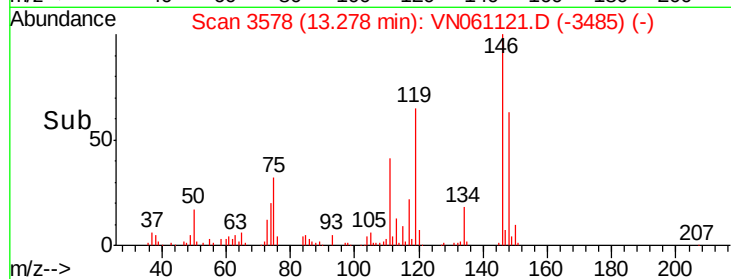
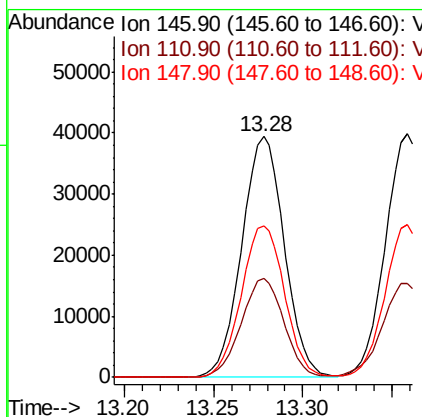
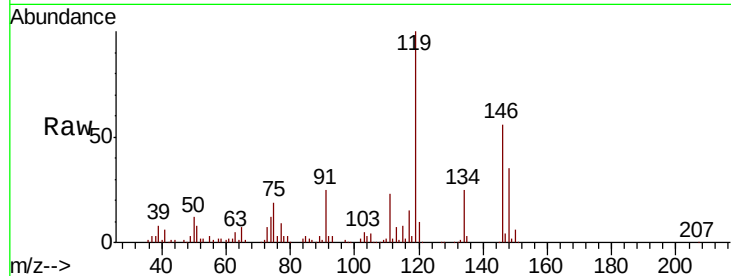




#87
 1,3-Dichlorobenzene
 Concen: 17.809 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

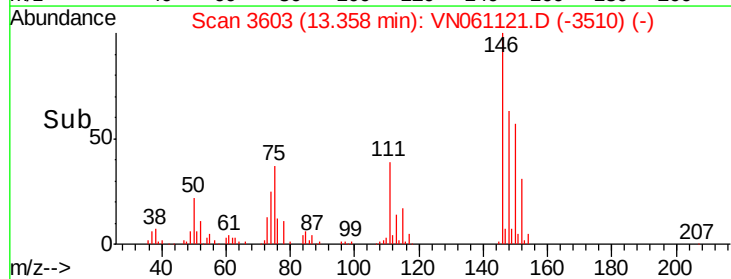
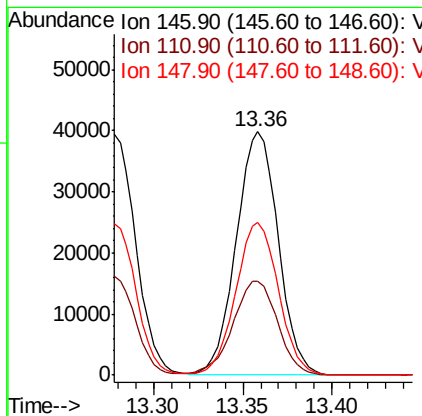
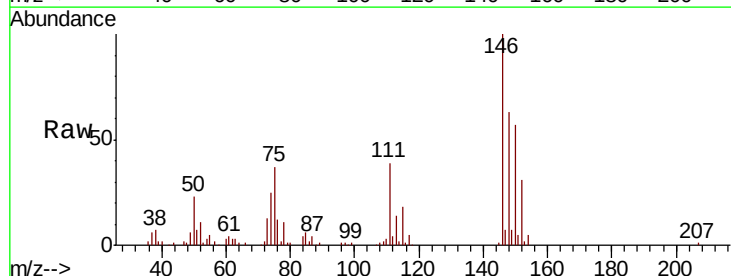
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

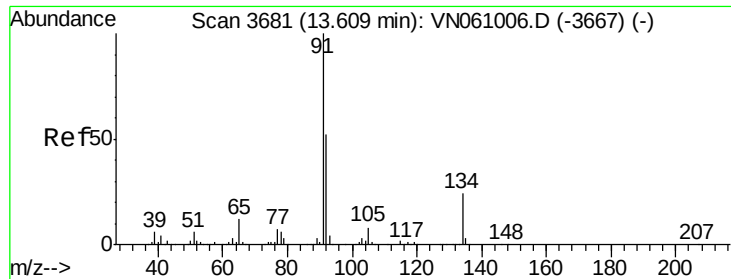
Tot Ion:146 Resp: 65856
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.6 61.8
 148 63.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 17.554 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion:146 Resp: 65304
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.1 60.3
 148 63.4 32.1 96.3

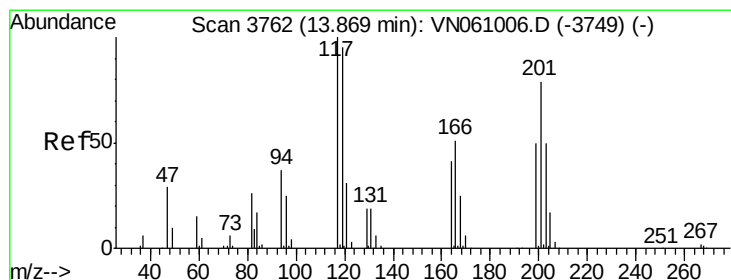
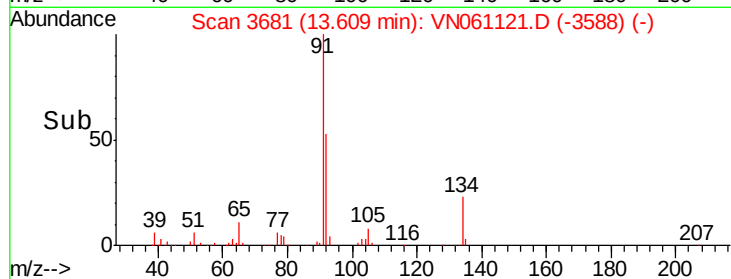
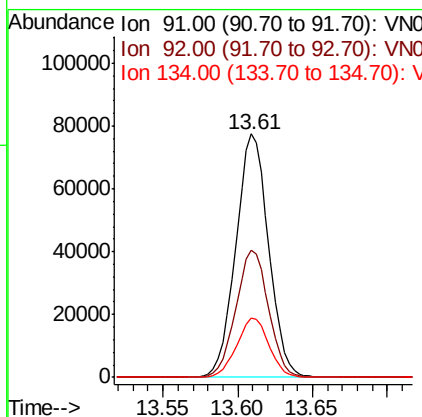
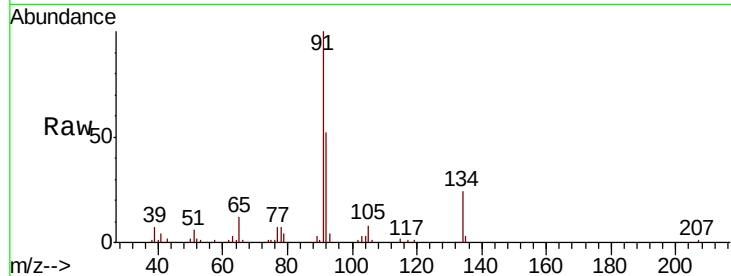




#89
n-Butylbenzene
Concen: 17.028 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

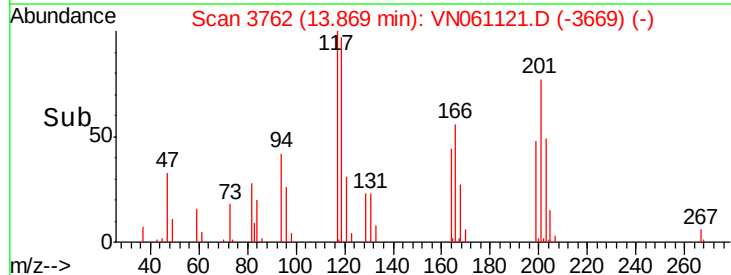
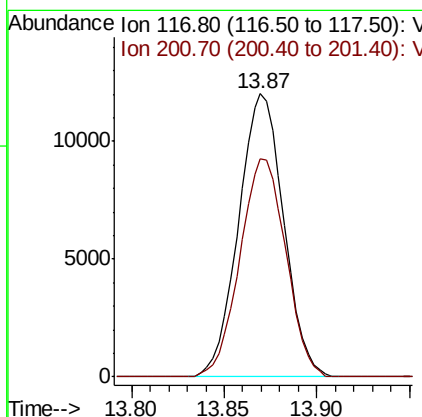
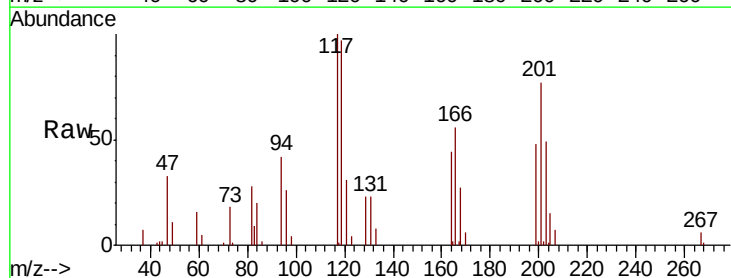
Instrument :
MSVOA_N
ClientSampled :
VN0420WBSD02

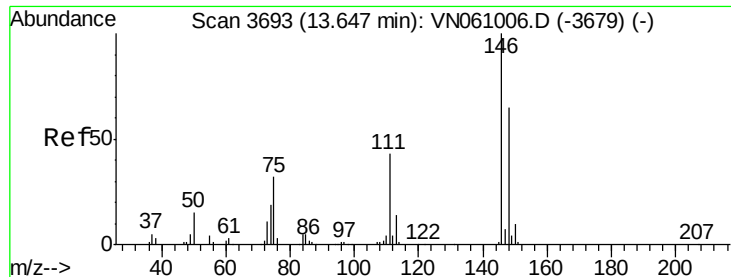
Tot Ion: 91 Resp: 118026
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.2
134 24.0 12.3 36.8



#90
Hexachloroethane
Concen: 17.704 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061121.D
Acq: 20 Apr 2020 23:47

Tgt Ion: 117 Resp: 20246
Ion Ratio Lower Upper
117 100
201 78.4 39.3 117.9

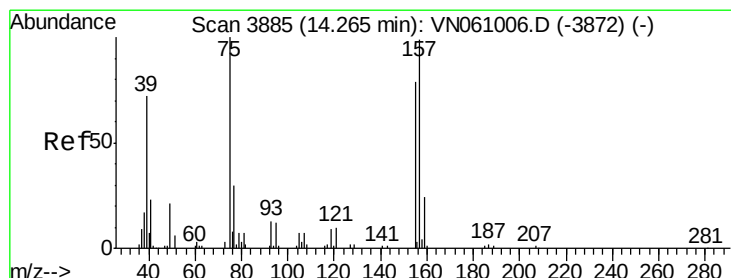
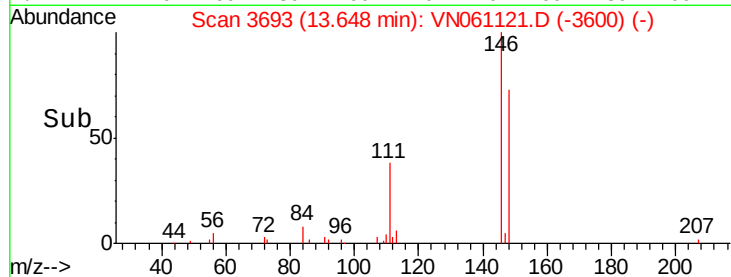
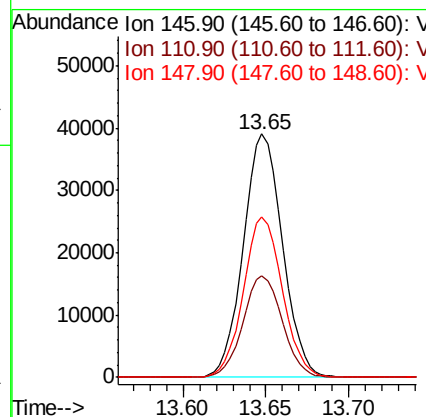
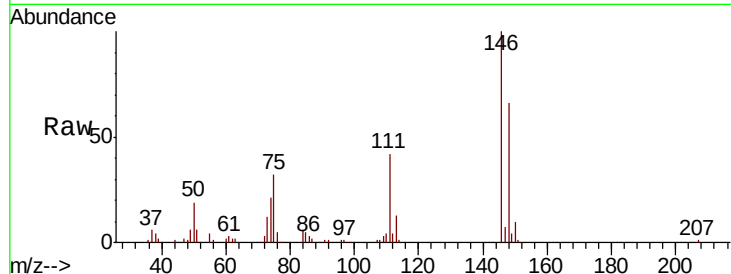




#91
 1,2-Dichlorobenzene
 Concen: 18.185 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

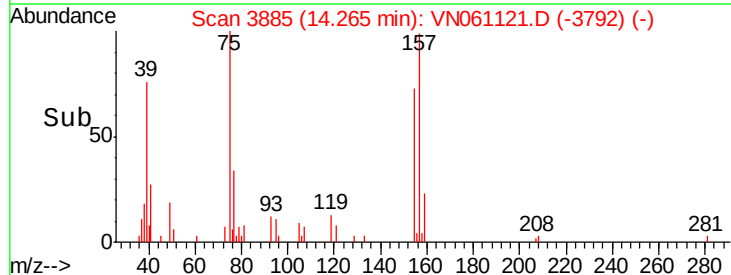
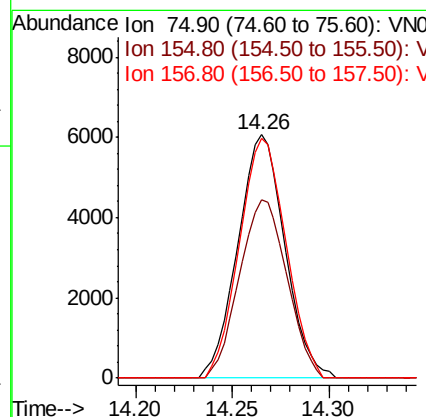
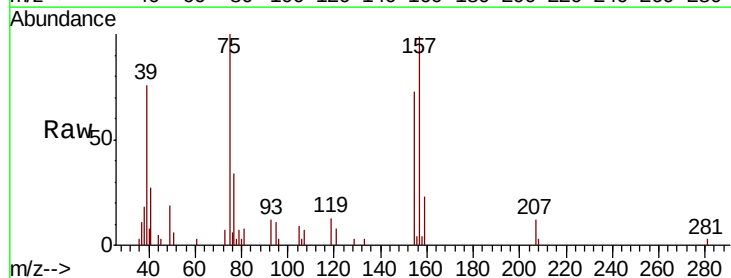
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

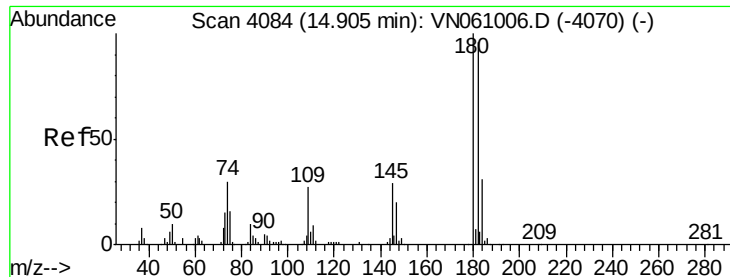
Tot Ion:146 Resp: 64182
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.3 64.0
 148 65.3 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.521 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion: 75 Resp: 10249
 Ion Ratio Lower Upper
 75 100
 155 74.0 39.5 118.5
 157 97.5 50.1 150.4

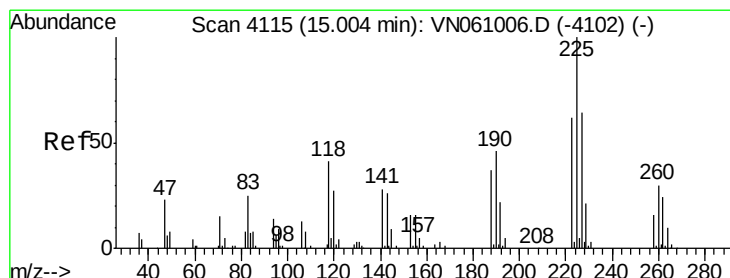
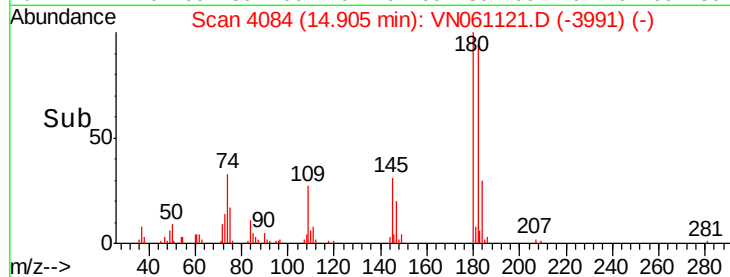
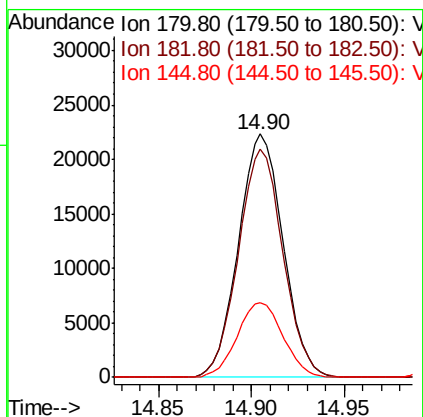
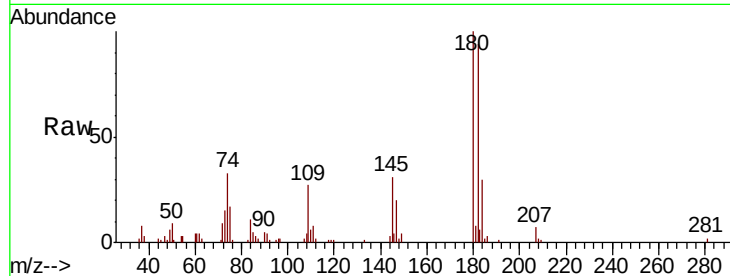




#93
 1,2,4-Trichlorobenzene
 Concen: 17.829 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

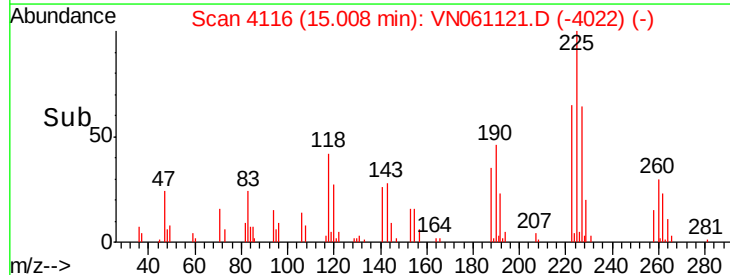
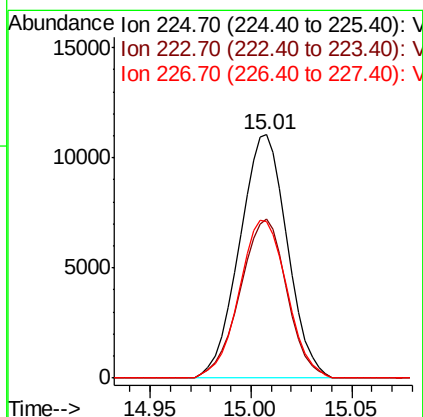
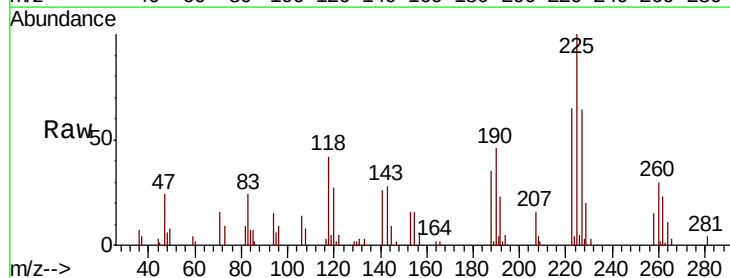
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBSD02

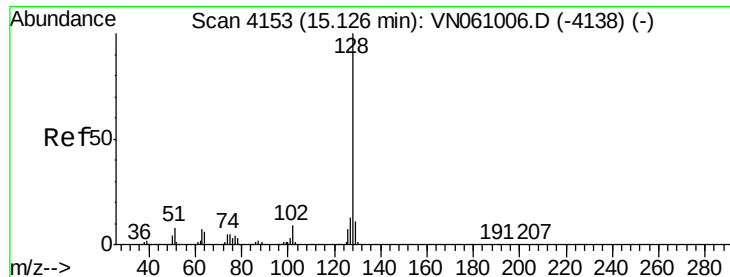
Tot Ion:180 Resp: 37244
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.8 143.3
 145 31.4 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 17.019 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061121.D
 Acq: 20 Apr 2020 23:47

Tgt Ion:225 Resp: 18289
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.3 93.8
 227 64.8 31.9 95.5





#95

Naphthalene

Concen: 18.313 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

Instrument :

MSVOA_N

ClientSampleId :

VN0420WBSD02

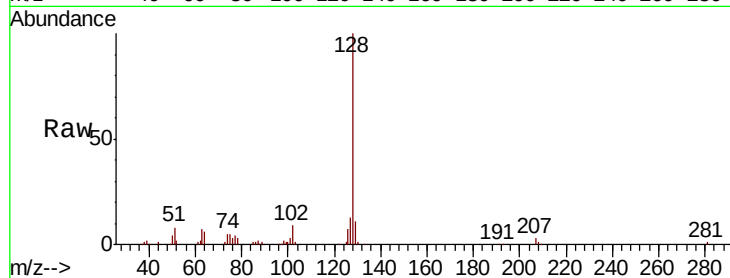
Tot Ion:128 Resp: 111568

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.7 8.6 13.0

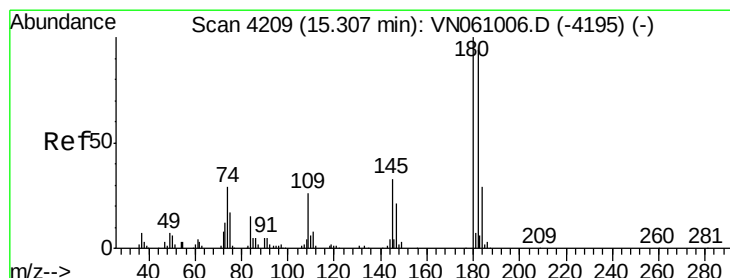
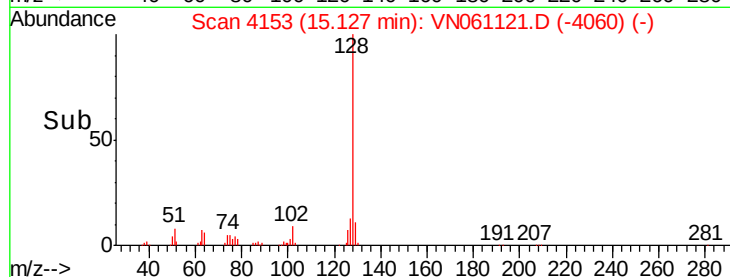
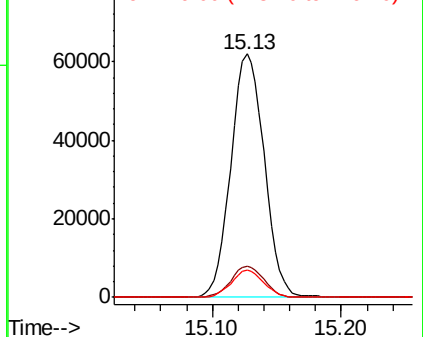


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.862 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN061121.D

Acq: 20 Apr 2020 23:47

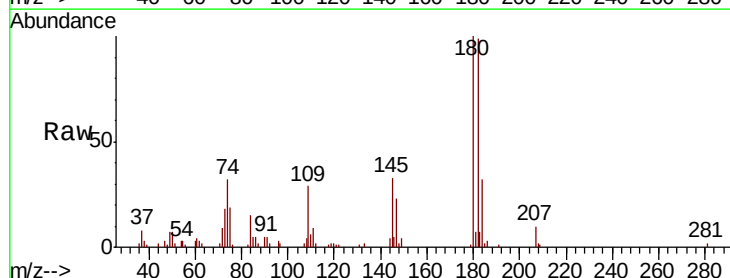
Tgt Ion:180 Resp: 35958

Ion Ratio Lower Upper

180 100

182 97.0 47.6 142.8

145 32.4 16.4 49.2



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

