

Data File : VN061202.D
Acq On : 30 Apr 2020 15:32
Operator : JC/MD
Sample : VN0430WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Quant Time: May 01 02:17:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	109199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	182754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	85224	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.54	113	55568	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	10.06	98	229763	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.38	95	83418	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21513	18.578	ug/l	99
3) Chloromethane	2.03	50	30782	21.949	ug/l	97
4) Vinyl Chloride	2.16	62	28046	17.607	ug/l	97
5) Bromomethane	2.54	94	12134	15.410	ug/l	96
6) Chloroethane	2.67	64	15970	15.818	ug/l	100
7) Trichlorofluoromethane	2.98	101	35308	19.647	ug/l	99
8) Diethyl Ether	3.37	74	16862	22.495	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	22552	19.479	ug/l	99
10) Methyl Iodide	3.91	142	27734	18.640	ug/l	98
11) Tert butyl alcohol	4.72	59	22536	97.364	ug/l	97
12) 1,1-Dichloroethene	3.69	96	21949	19.051	ug/l	99
13) Acrolein	3.56	56	11092	71.911	ug/l	100
14) Allyl chloride	4.27	41	45385	21.245	ug/l	97
15) Acrylonitrile	4.93	53	74394	104.703	ug/l	99
16) Acetone	3.77	43	65620	94.767	ug/l	98
17) Carbon Disulfide	4.01	76	58870	18.497	ug/l	98
18) Methyl Acetate	4.27	43	41568	19.478	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	83480	18.962	ug/l	97
20) Methylene Chloride	4.50	84	27412	20.346	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	24003	19.132	ug/l	98
22) Diisopropyl ether	5.90	45	103329	20.858	ug/l	98
23) Vinyl Acetate	5.84	43	399387	100.129	ug/l	99
24) 1,1-Dichloroethane	5.79	63	51319	19.827	ug/l	98
25) 2-Butanone	6.78	43	98809	96.641	ug/l	99
26) 2,2-Dichloropropane	6.77	77	40684	18.662	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	27781	18.870	ug/l	98
28) Bromochloromethane	7.15	49	27457	22.381	ug/l #	95
29) Tetrahydrofuran	7.16	42	67655	98.231	ug/l	97
30) Chloroform	7.33	83	47939	18.277	ug/l	99
31) Cyclohexane	7.61	56	45988	18.295	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	40117	17.564	ug/l	100
36) 1,1-Dichloropropene	7.75	75	36325	19.856	ug/l	96
37) Ethyl Acetate	6.88	43	43017	20.057	ug/l	100
38) Carbon Tetrachloride	7.73	117	27851	18.209	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	38257	18.647	ug/l	96
40) Benzene	8.00	78	106930	19.619	ug/l	100
41) Methacrylonitrile	7.12	41	19862	22.305	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	40480	19.605	ug/l	99
43) Isopropyl Acetate	8.12	43	69121	19.419	ug/l #	92
44) Trichloroethene	8.80	130	26580	18.040	ug/l	99
45) 1,2-Dichloropropane	9.08	63	30094	20.667	ug/l	100
46) Dibromomethane	9.17	93	17209	19.087	ug/l	96
47) Bromodichloromethane	9.37	83	37199	19.223	ug/l	99
48) Methyl methacrylate	9.16	41	30603	19.053	ug/l	99
49) 1,4-Dioxane	9.16	88	7401	405.928	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	209555	100.020	ug/l	100
52) Toluene	10.12	92	63789	19.430	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	42452	19.469	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	45650	19.803	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	25083	19.155	ug/l	98
56) Ethyl methacrylate	10.40	69	38978	18.877	ug/l	96
57) 1,3-Dichloropropane	10.68	76	46347	20.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	113072	106.677	ug/l	98
59) 2-Hexanone	10.72	43	147845	96.995	ug/l	100
60) Dibromochloromethane	10.87	129	25702	18.741	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25358	19.321	ug/l	99
64) Tetrachloroethene	10.60	164	27115	18.463	ug/l	97
65) Chlorobenzene	11.41	112	63690	18.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	23029	19.129	ug/l	100
67) Ethyl Benzene	11.48	91	119603	18.994	ug/l	99
68) m/p-Xylenes	11.60	106	86879	37.695	ug/l	97
69) o-Xylene	11.92	106	41288	18.649	ug/l	97
70) Styrene	11.94	104	69509	18.759	ug/l	98
71) Bromoform	12.10	173	16848	19.042	ug/l #	98
73) Isopropylbenzene	12.22	105	112384	19.160	ug/l	100
74) N-amyl acetate	12.05	43	56608	19.058	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	37361	20.427	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	49733	29.565	ug/l #	100
77) Bromobenzene	12.50	156	26070	19.253	ug/l	95
78) n-propylbenzene	12.57	91	134415	19.320	ug/l	100
79) 2-Chlorotoluene	12.65	91	80760	19.749	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	94194	19.402	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	12553	18.951	ug/l	97
82) 4-Chlorotoluene	12.75	91	84981	19.717	ug/l	98
83) tert-Butylbenzene	12.97	119	78025	19.060	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	96411	19.275	ug/l	100
85) sec-Butylbenzene	13.15	105	106014	18.995	ug/l	100
86) p-Isopropyltoluene	13.26	119	95218	18.936	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	47973	19.245	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	48270	18.952	ug/l	98
89) n-Butylbenzene	13.59	91	87212	18.919	ug/l	99
90) Hexachloroethane	13.85	117	9008	22.181	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	46102	19.289	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7277	18.838	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN043020\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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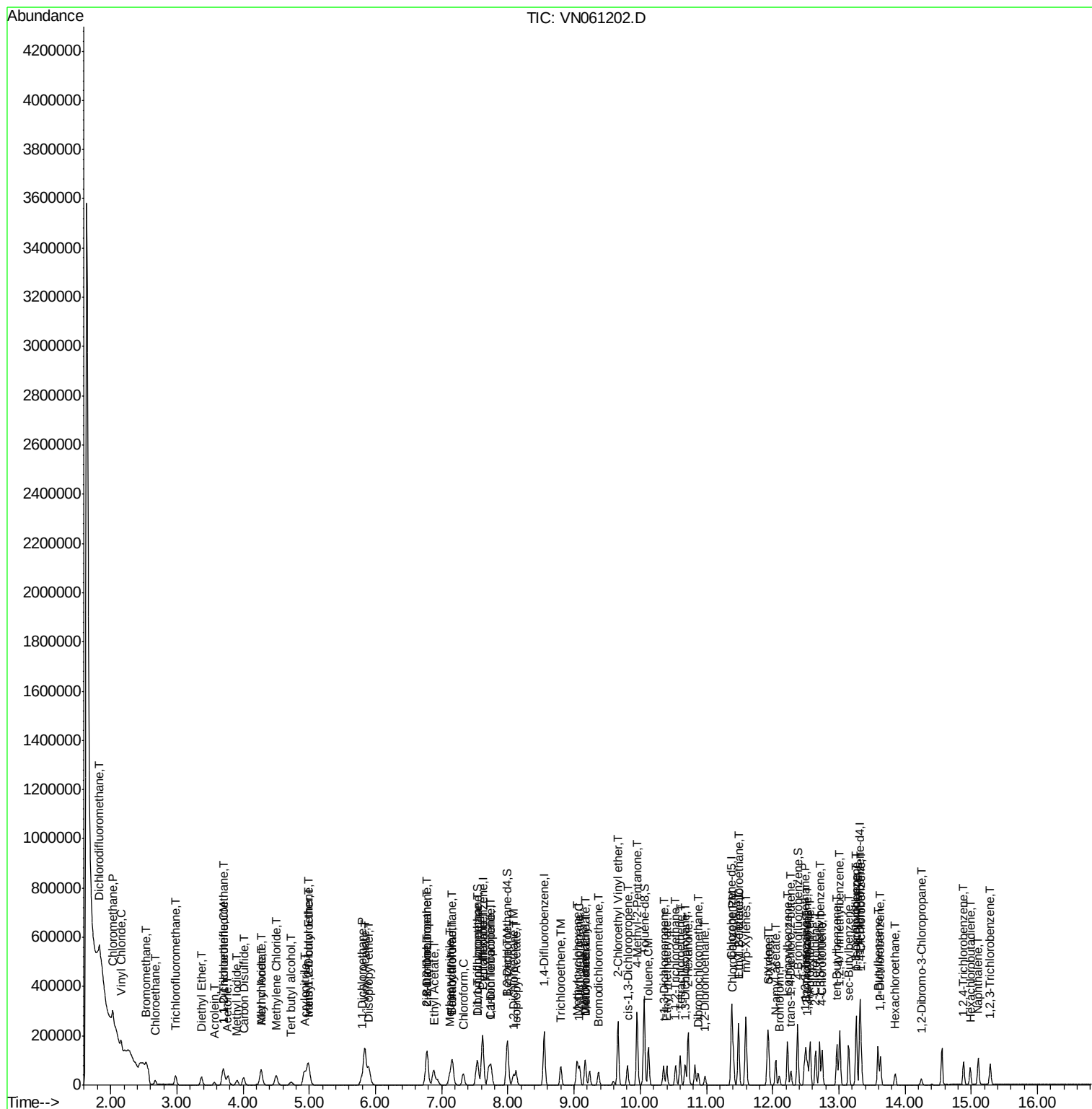
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	28190	19.369	ug/l	100
94) Hexachlorobutadiene	14.98	225	13089	21.527	ug/l	98
95) Naphthalene	15.11	128	85525	18.043	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	28065	19.531	ug/l	99

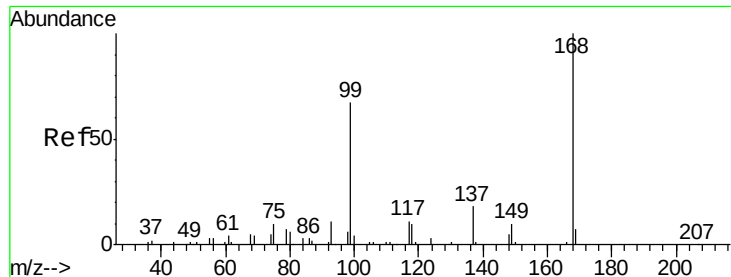
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

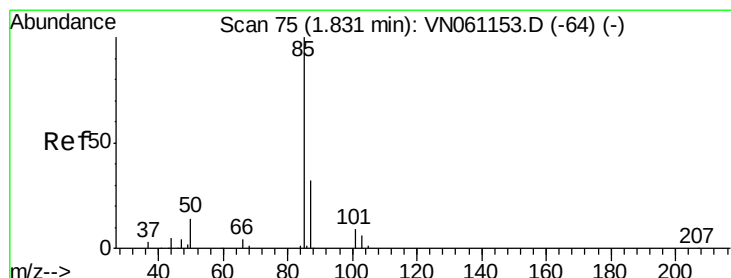
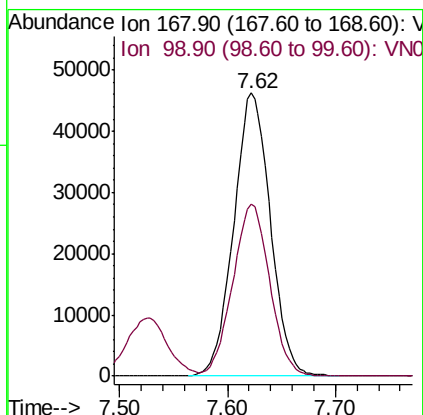
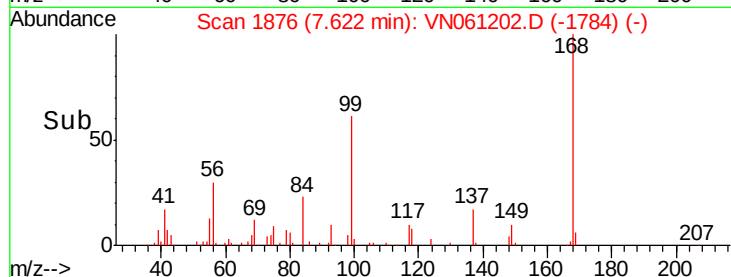
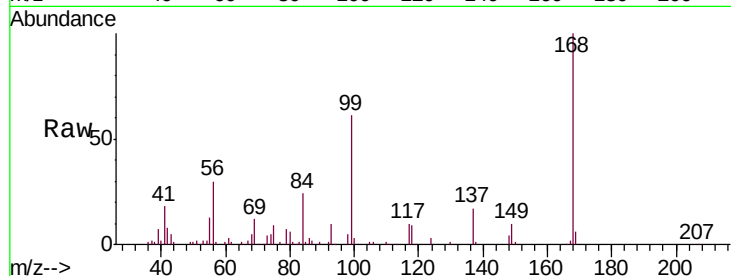
VN0430WBSD01

Tgt Ion: 168 Resp: 109199

Ion Ratio Lower Upper

168 100

99 60.6 51.2 76.8



#2

Dichlorodifluoromethane

Concen: 18.578 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061202.D

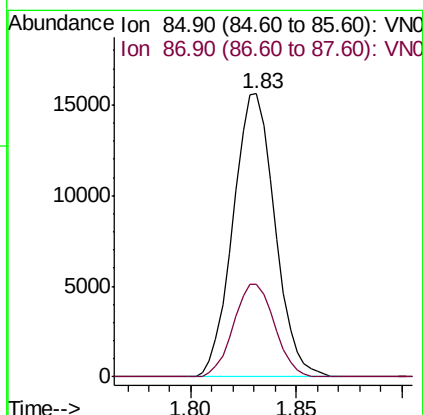
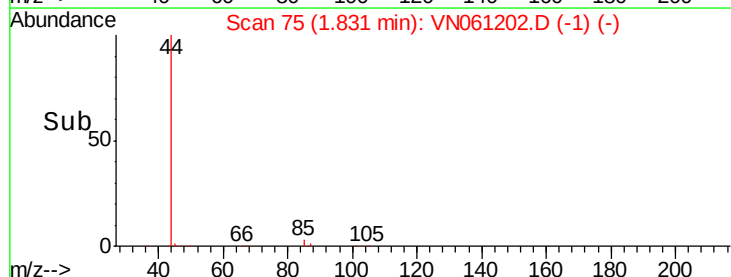
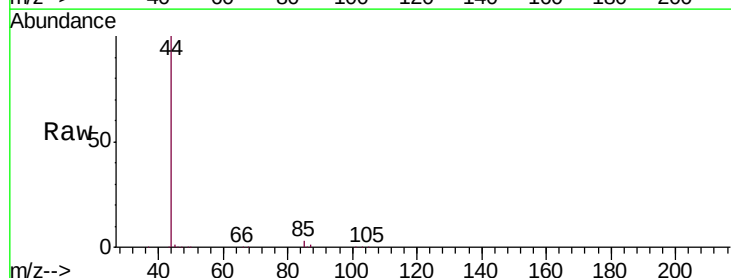
Acq: 30 Apr 2020 15:32

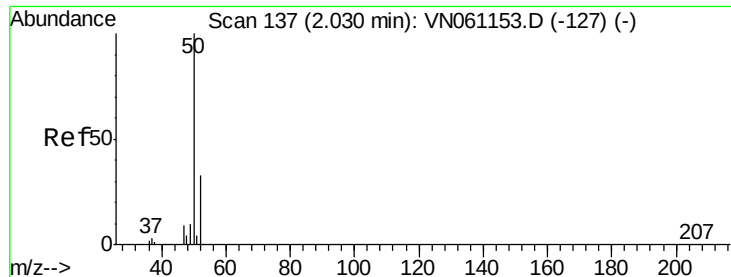
Tgt Ion: 85 Resp: 21513

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2





#3

Chloromethane

Concen: 21.949 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

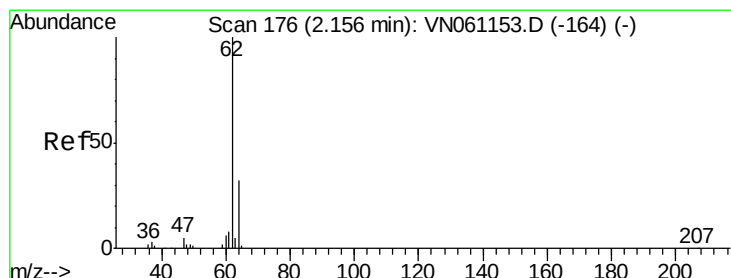
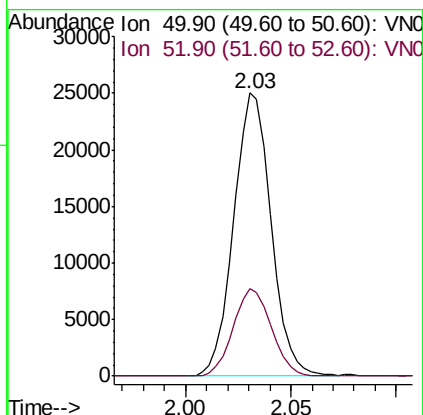
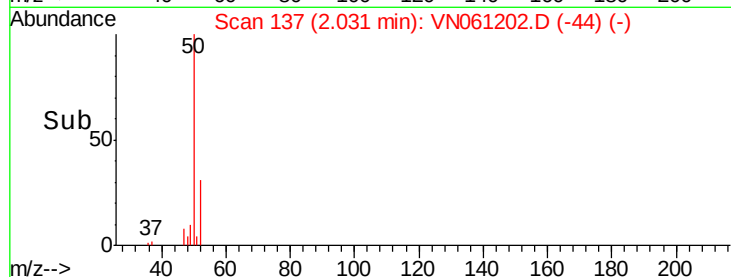
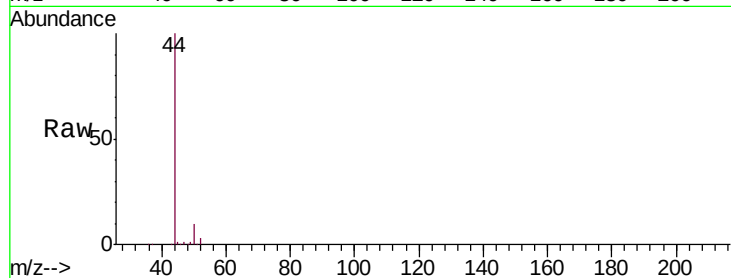
VN0430WBSD01

Tgt Ion: 50 Resp: 30782

Ion Ratio Lower Upper

50 100

52 30.8 26.0 39.0



#4

Vinyl Chloride

Concen: 17.607 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061202.D

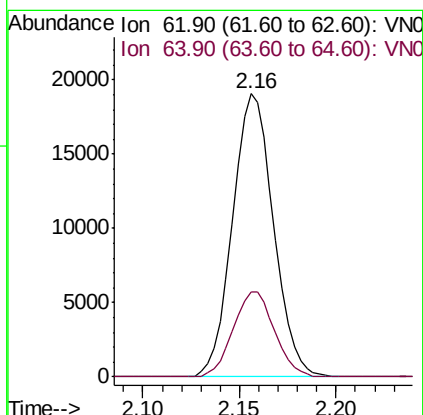
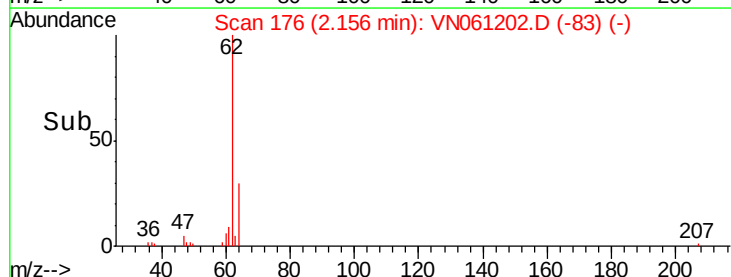
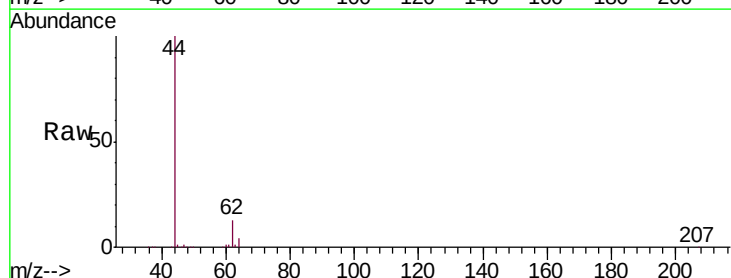
Acq: 30 Apr 2020 15:32

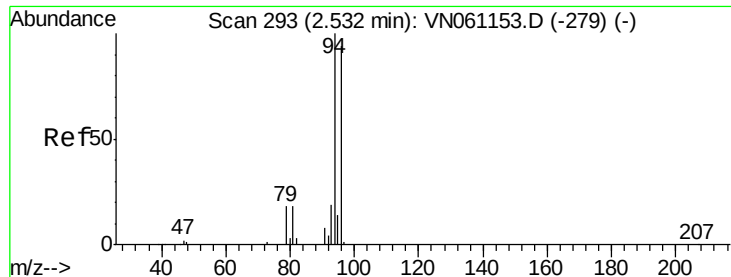
Tgt Ion: 62 Resp: 28046

Ion Ratio Lower Upper

62 100

64 30.1 25.2 37.8





#5

Bromomethane

Concen: 15.410 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.01 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

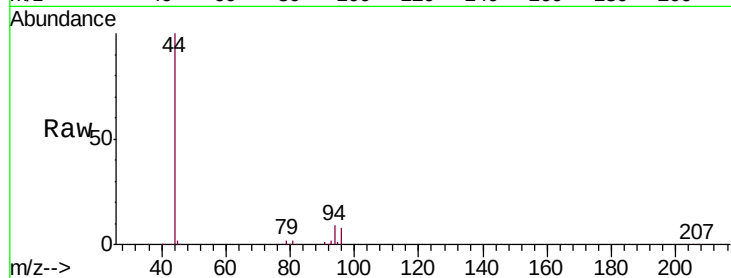
VN0430WBSD01

Tgt Ion: 94 Resp: 12134

Ion Ratio Lower Upper

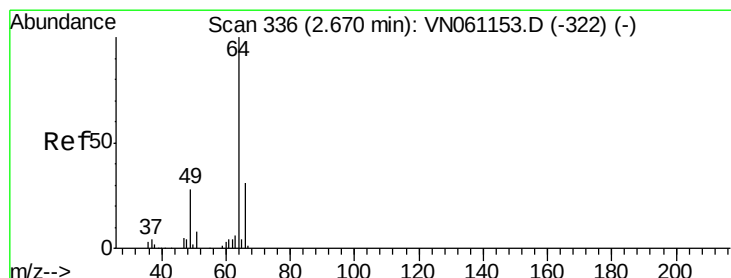
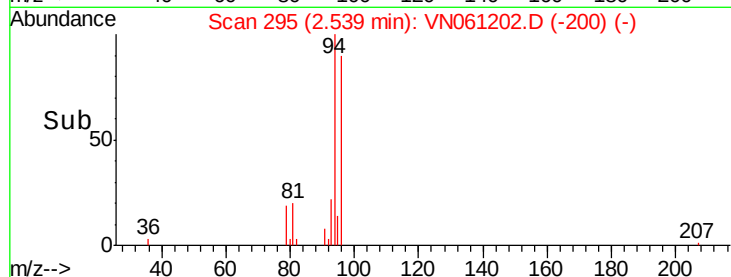
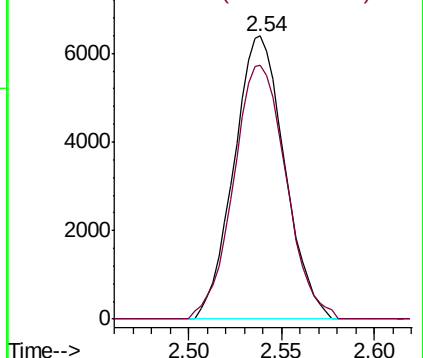
94 100

96 89.7 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.818 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061202.D

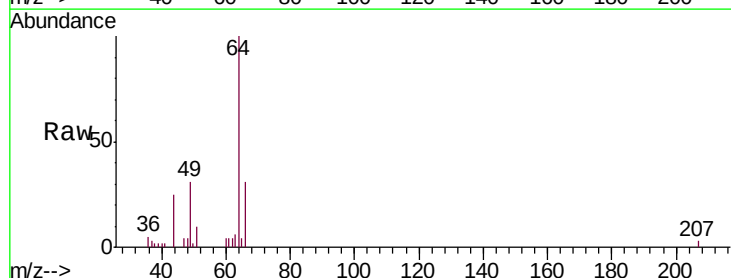
Acq: 30 Apr 2020 15:32

Tgt Ion: 64 Resp: 15970

Ion Ratio Lower Upper

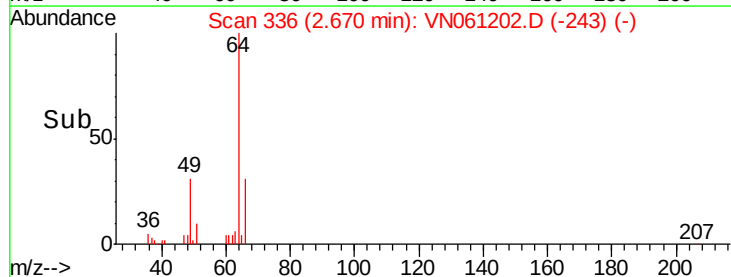
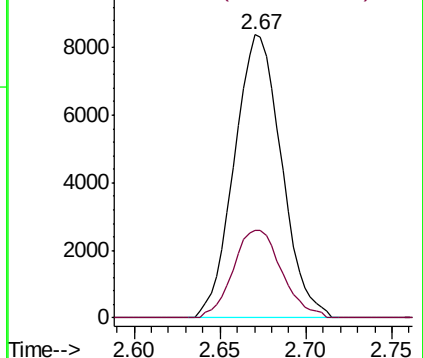
64 100

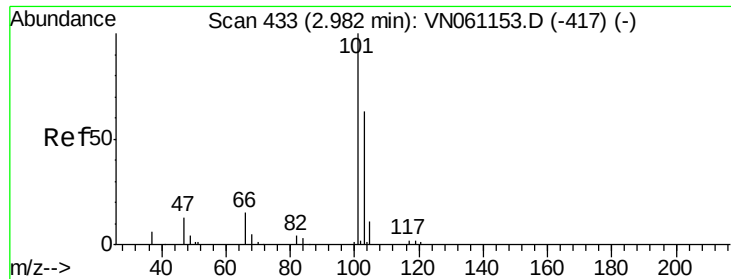
66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



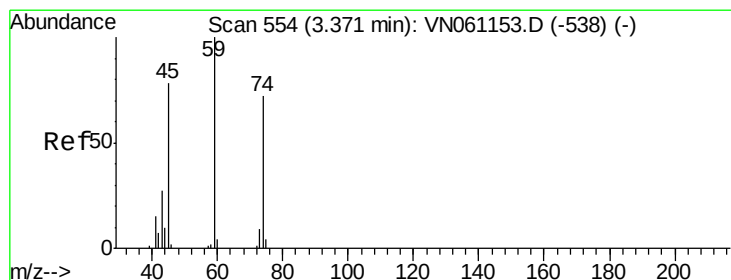
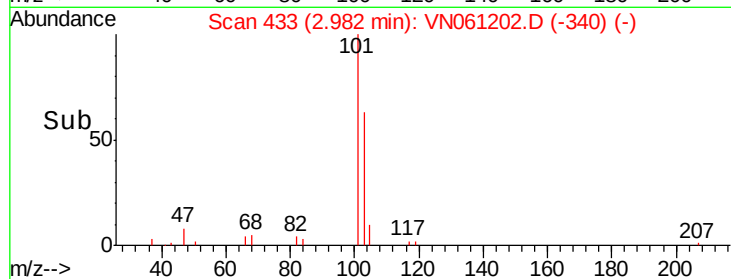
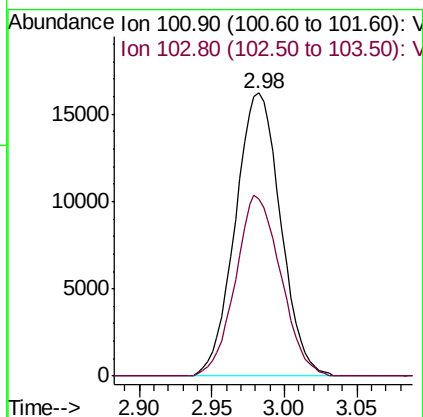
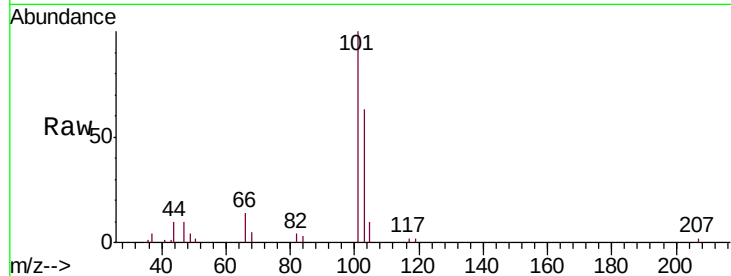


#7

Trichlorofluoromethane
 Concen: 19.647 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061202.D
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 VN0430WBSD01

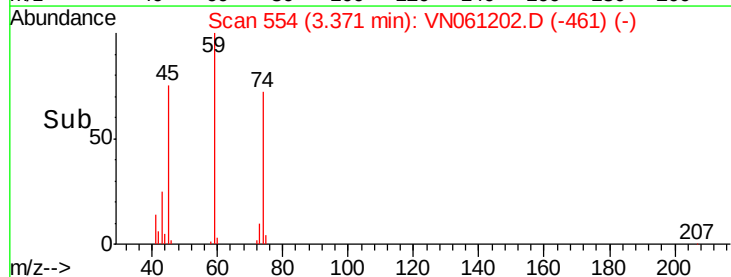
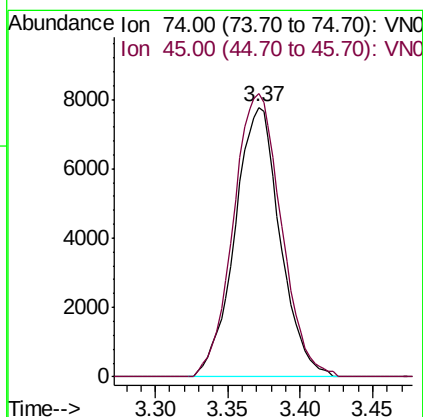
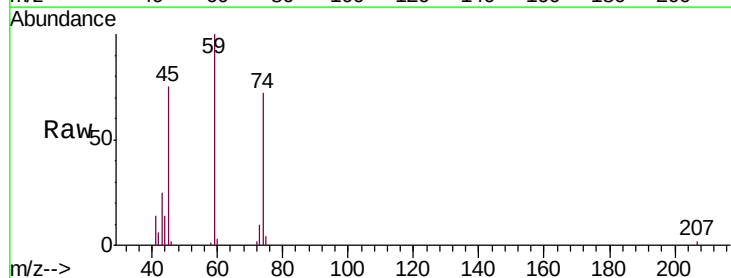
Tgt Ion:101 Resp: 35308
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.6 76.0

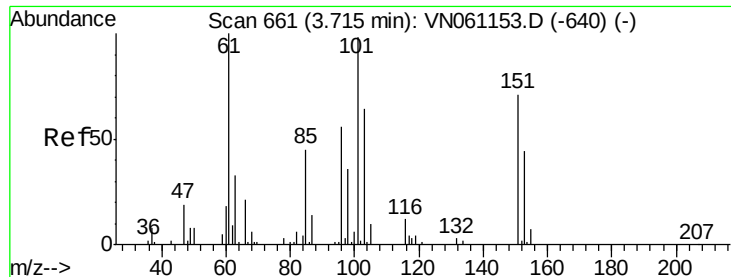


#8

Diethyl Ether
 Concen: 22.495 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion: 74 Resp: 16862
 Ion Ratio Lower Upper
 74 100
 45 111.1 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.479 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061202.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

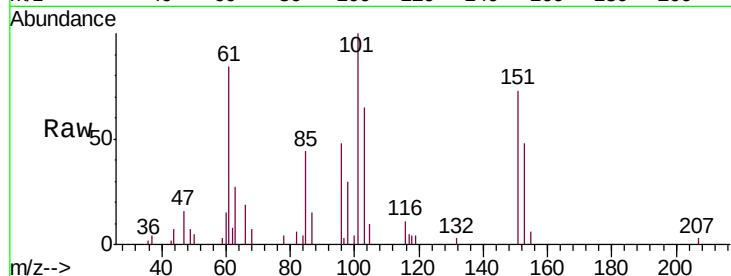
Tgt Ion:101 Resp: 22552

Ion Ratio Lower Upper

101 100

85 44.4 37.2 55.8

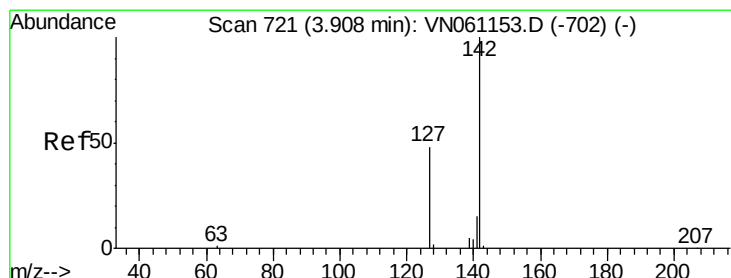
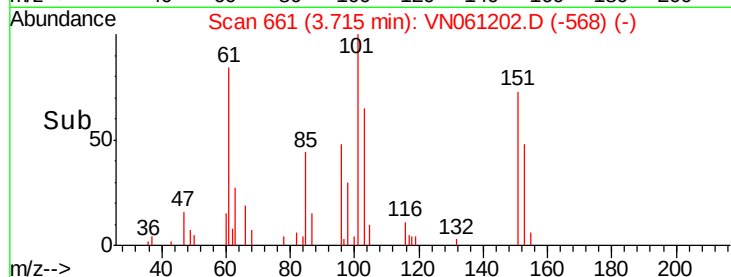
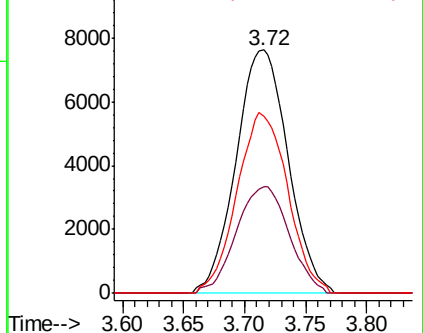
151 72.4 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.640 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

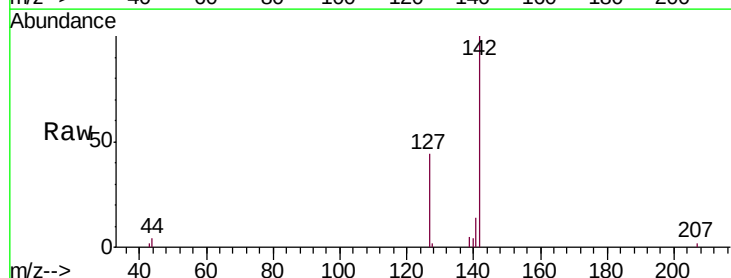
Tgt Ion:142 Resp: 27734

Ion Ratio Lower Upper

142 100

127 45.8 38.0 57.0

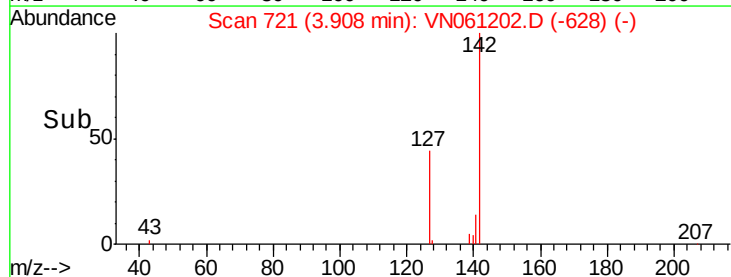
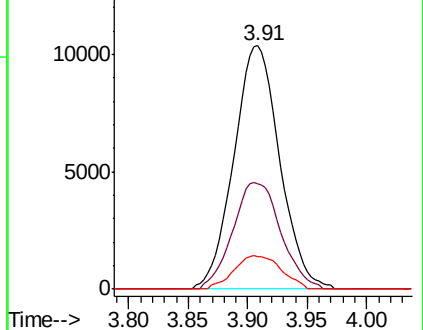
141 14.2 11.7 17.5

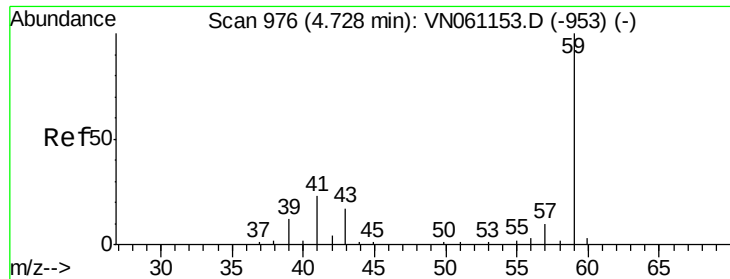


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

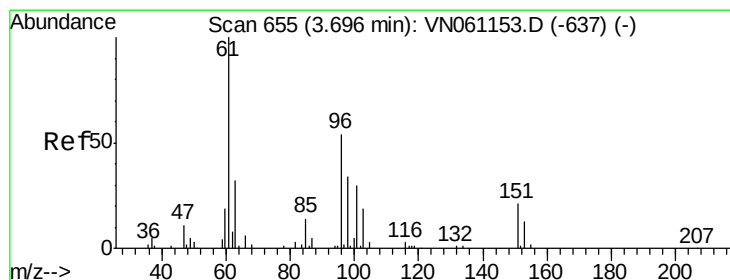
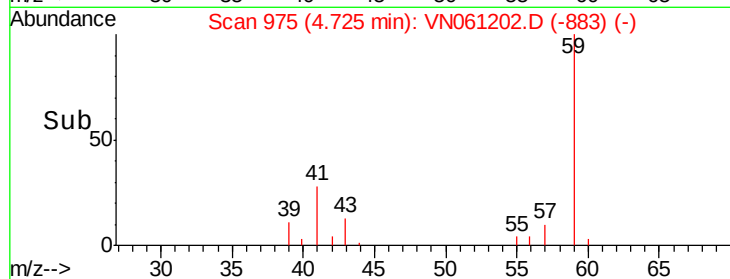
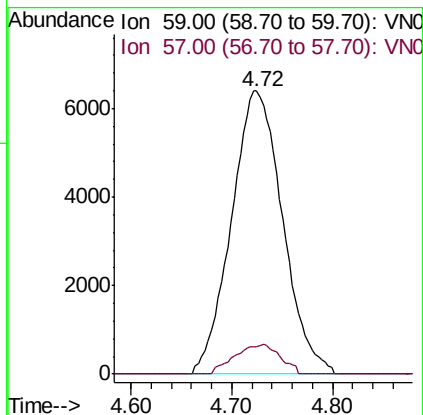
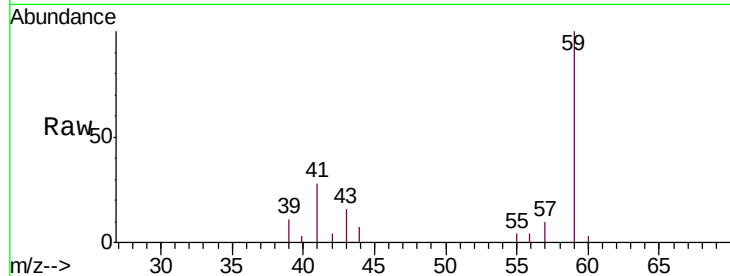




#11
Tert butyl alcohol
Concen: 97.364 ug/l
RT: 4.72 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

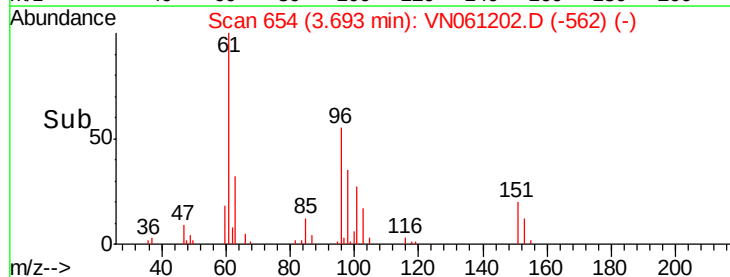
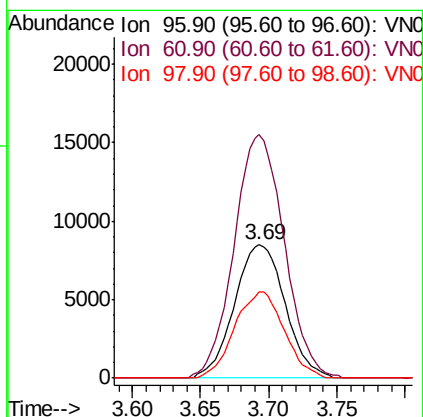
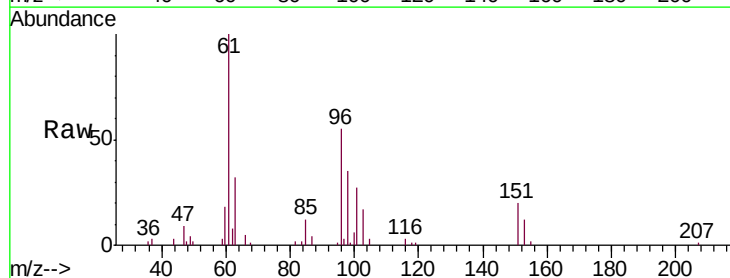
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

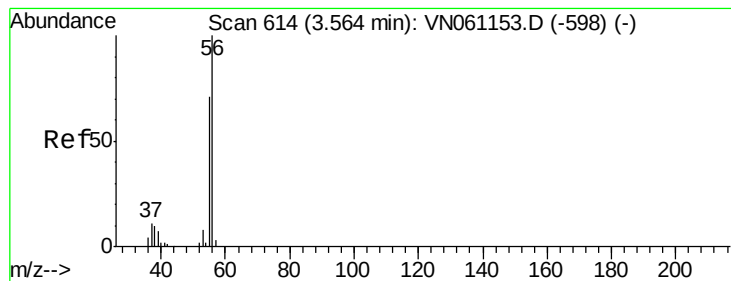
Tgt Ion: 59 Resp: 22536
Ion Ratio Lower Upper
59 100
57 9.4 8.3 12.5



#12
1,1-Dichloroethene
Concen: 19.051 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 96 Resp: 21949
Ion Ratio Lower Upper
96 100
61 183.0 147.0 220.6
98 64.4 49.8 74.6





#13

Acrolein

Concen: 71.911 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

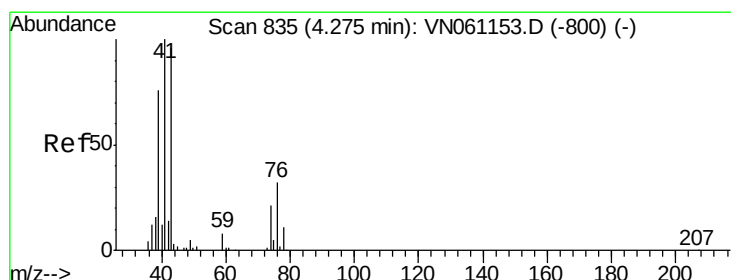
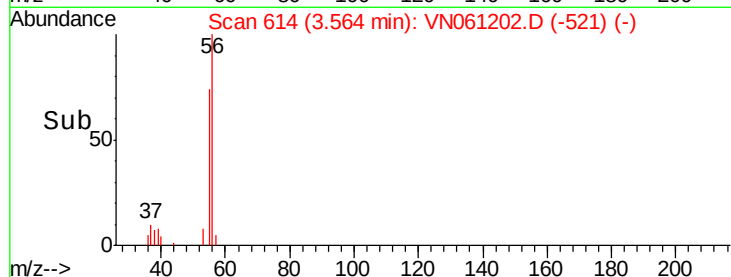
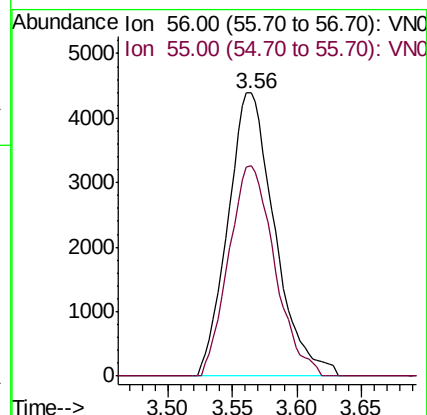
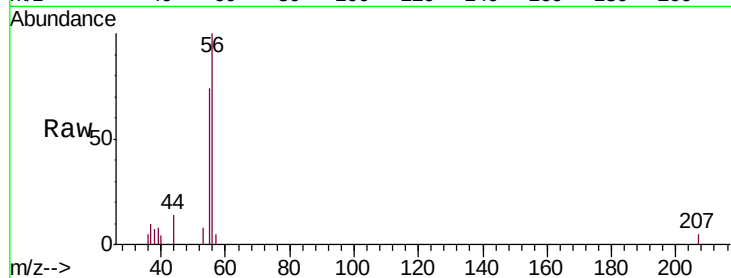
VN0430WBSD01

Tgt Ion: 56 Resp: 11092

Ion Ratio Lower Upper

56 100

55 72.9 58.5 87.7



#14

Allyl chloride

Concen: 21.245 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

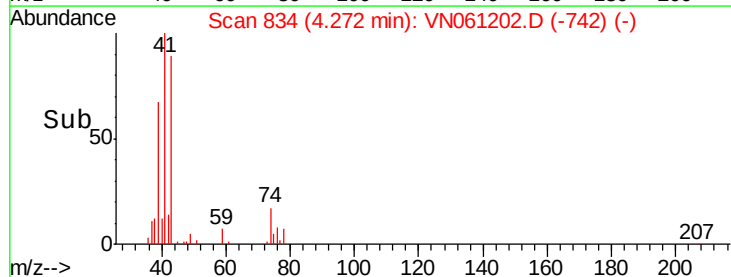
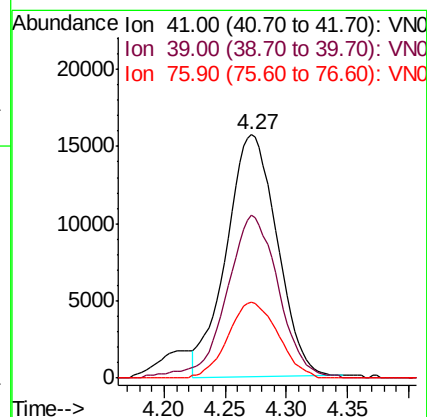
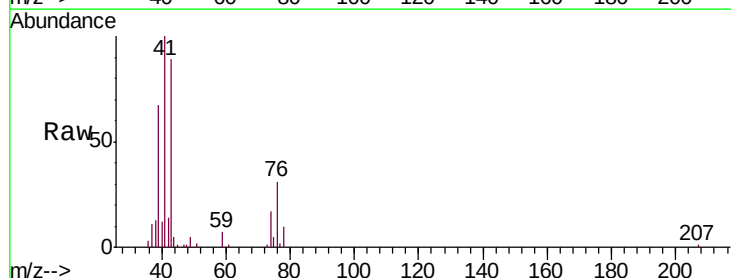
Tgt Ion: 41 Resp: 45385

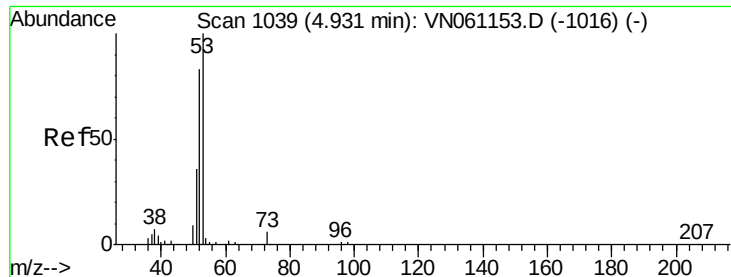
Ion Ratio Lower Upper

41 100

39 68.7 57.1 85.7

76 30.8 24.3 36.5





#15

Acrylonitrile

Concen: 104.703 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

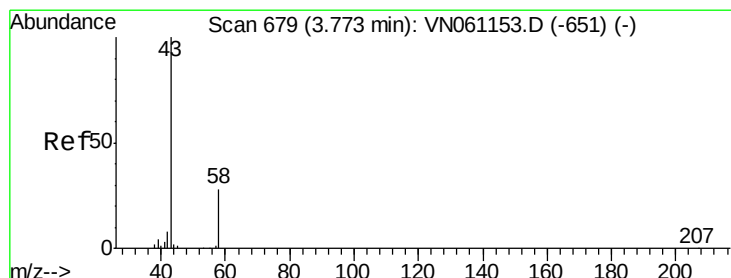
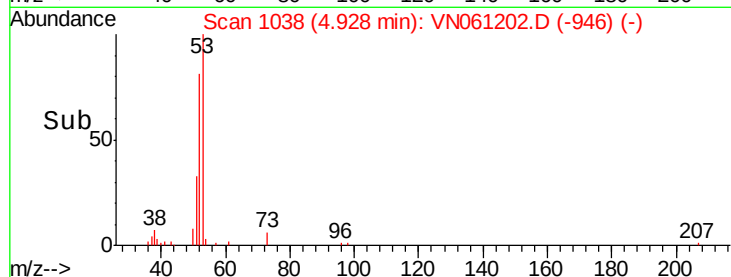
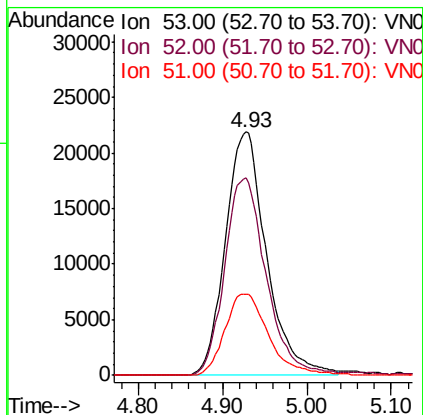
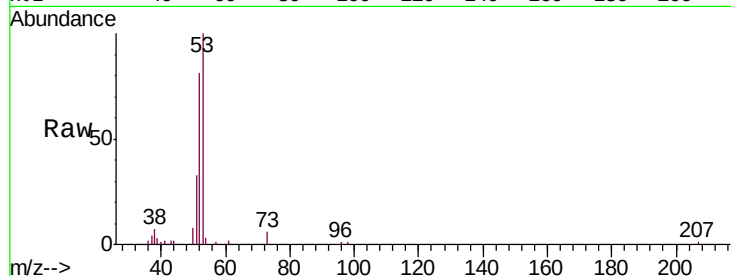
Tgt Ion: 53 Resp: 74394

Ion Ratio Lower Upper

53 100

52 81.7 65.4 98.0

51 35.3 29.5 44.3



#16

Acetone

Concen: 94.767 ug/l

RT: 3.77 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN061202.D

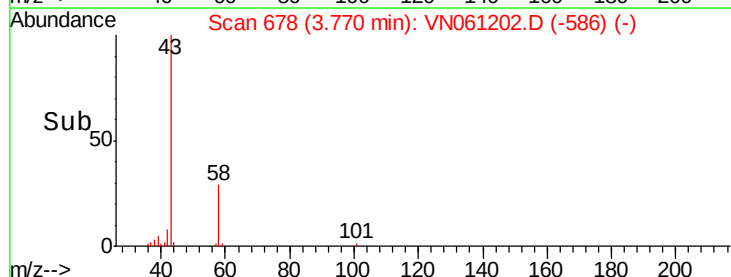
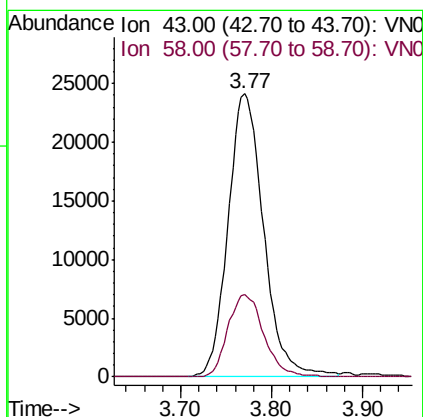
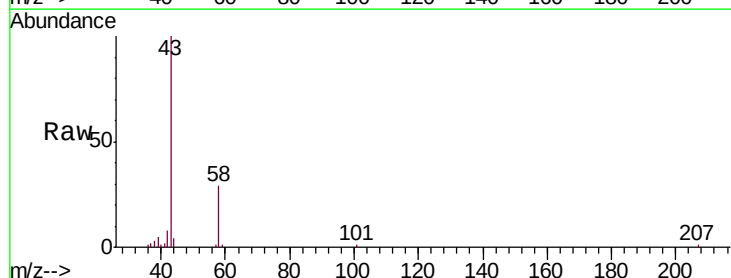
Acq: 30 Apr 2020 15:32

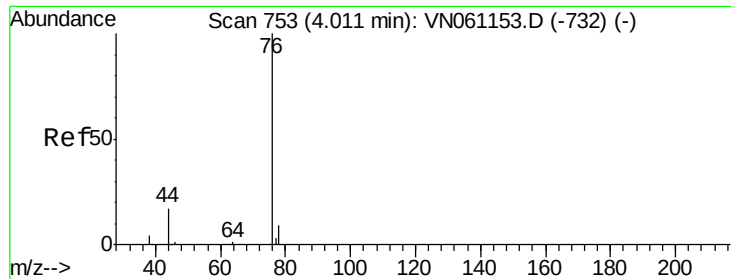
Tgt Ion: 43 Resp: 65620

Ion Ratio Lower Upper

43 100

58 29.0 22.2 33.2





#17

Carbon Disulfide

Concen: 18.497 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

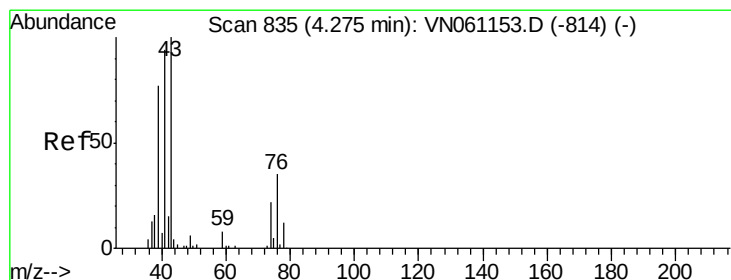
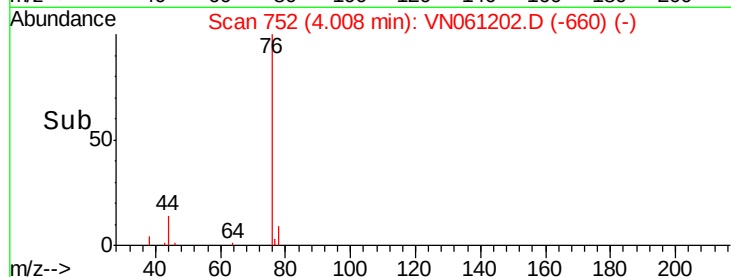
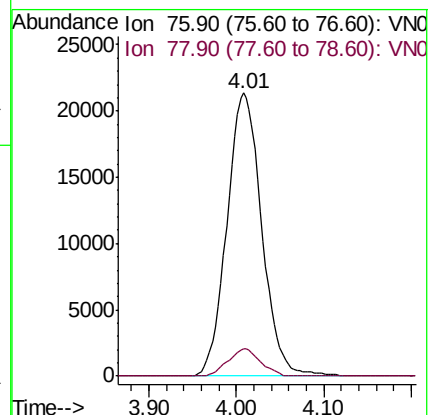
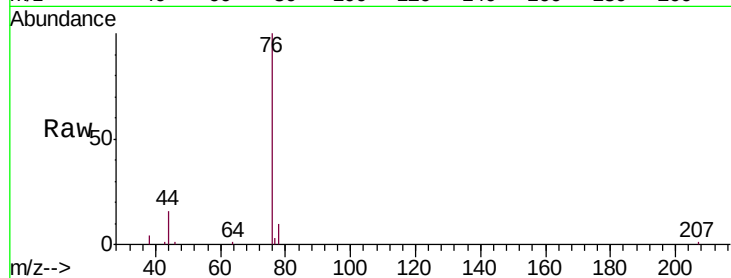
VN0430WBSD01

Tgt Ion: 76 Resp: 58870

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



#18

Methyl Acetate

Concen: 19.478 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061202.D

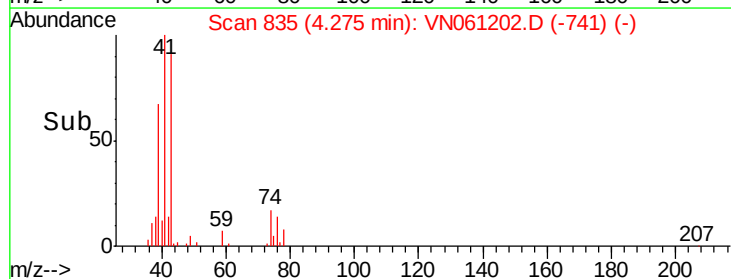
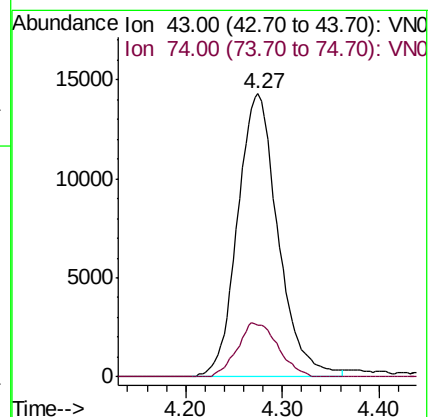
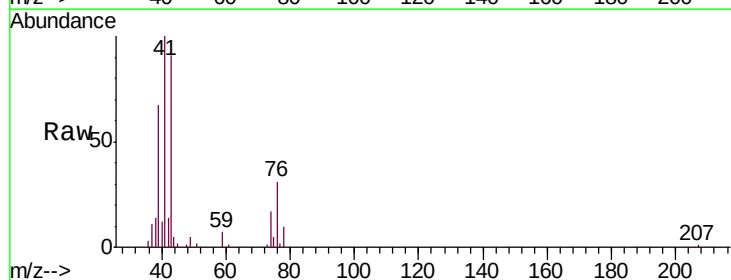
Acq: 30 Apr 2020 15:32

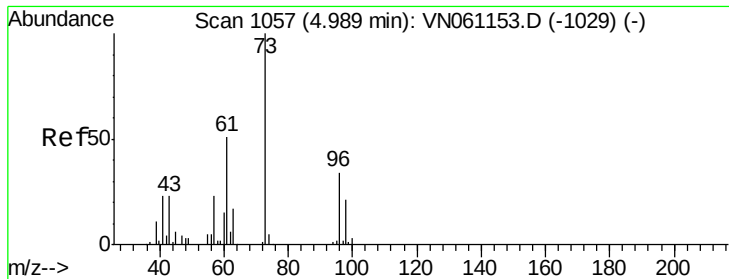
Tgt Ion: 43 Resp: 41568

Ion Ratio Lower Upper

43 100

74 19.2 17.0 25.4

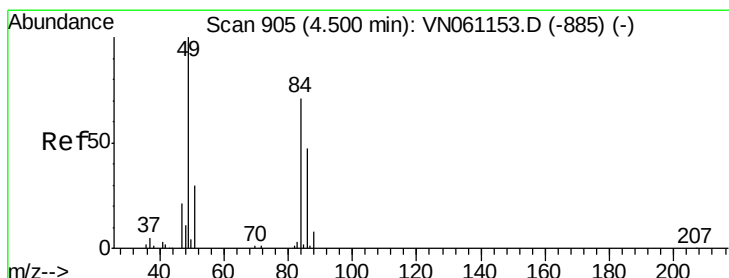
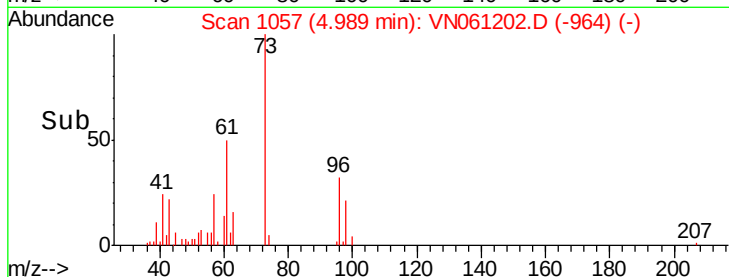
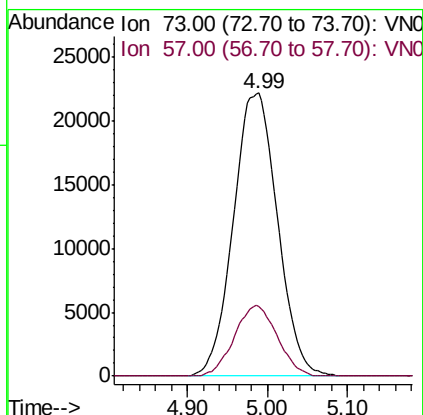
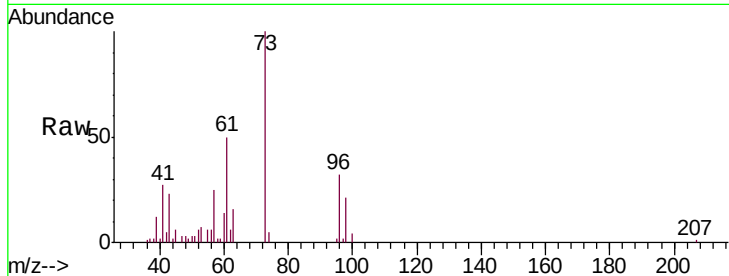




#19
Methyl tert-butyl Ether
Concen: 18.962 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

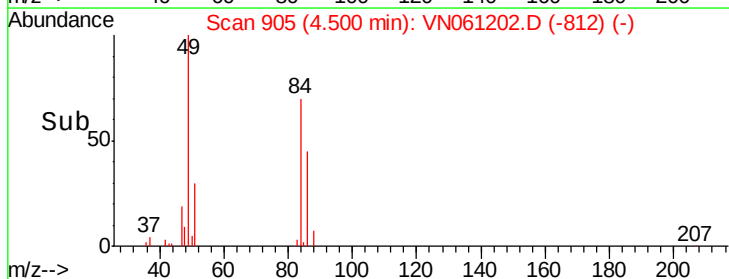
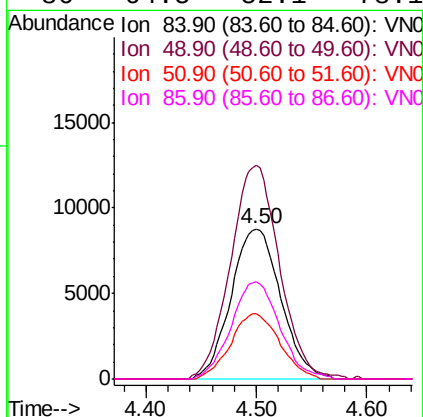
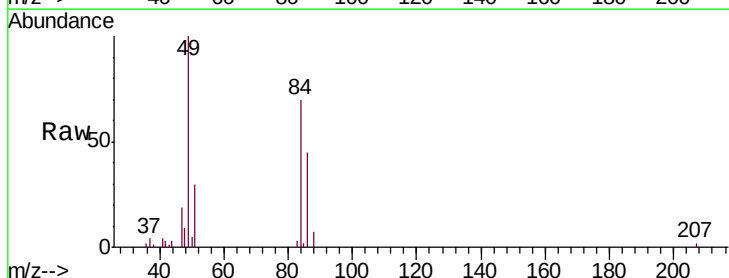
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

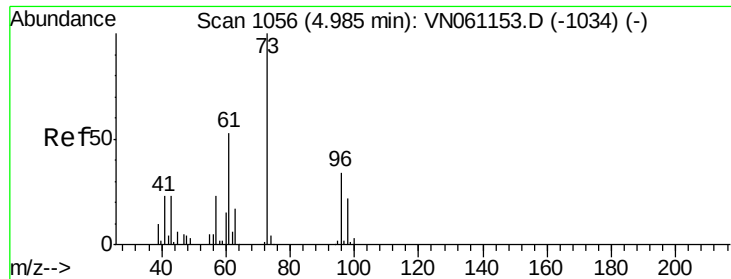
Tgt Ion: 73 Resp: 83480
Ion Ratio Lower Upper
73 100
57 24.5 18.3 27.5



#20
Methylene Chloride
Concen: 20.346 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 84 Resp: 27412
Ion Ratio Lower Upper
84 100
49 142.0 112.0 168.0
51 43.2 33.6 50.4
86 64.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.132 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

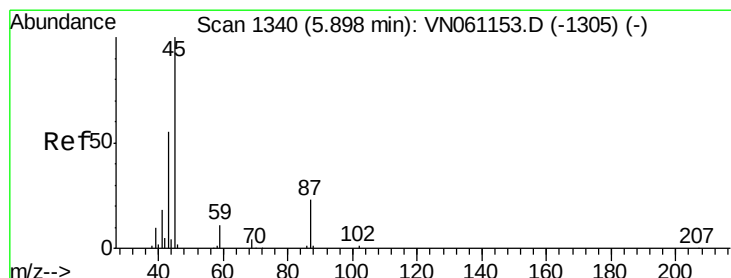
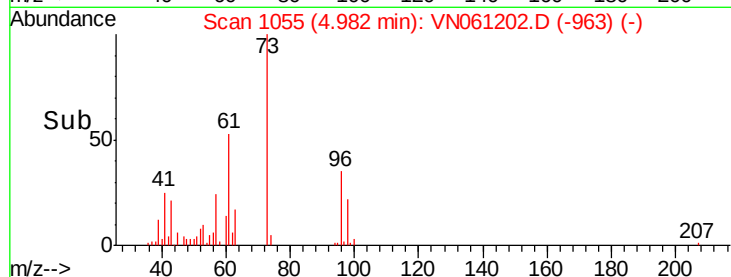
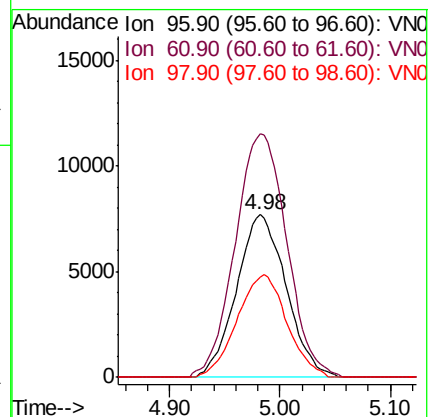
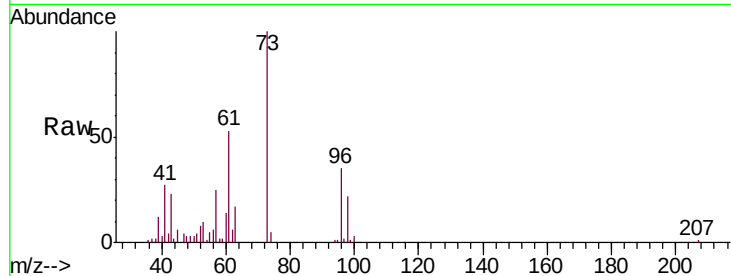
Tgt Ion: 96 Resp: 24003

Ion Ratio Lower Upper

96 100

61 149.9 123.0 184.4

98 61.7 50.1 75.1



#22

Diisopropyl ether

Concen: 20.858 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Tgt Ion: 45 Resp: 103329

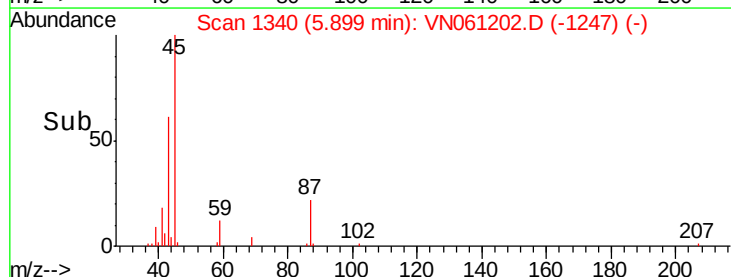
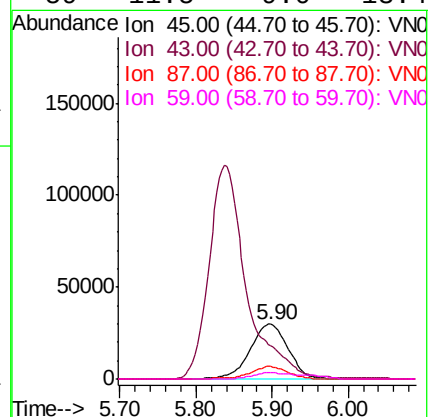
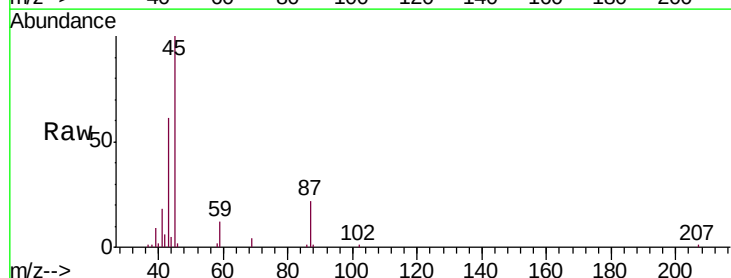
Ion Ratio Lower Upper

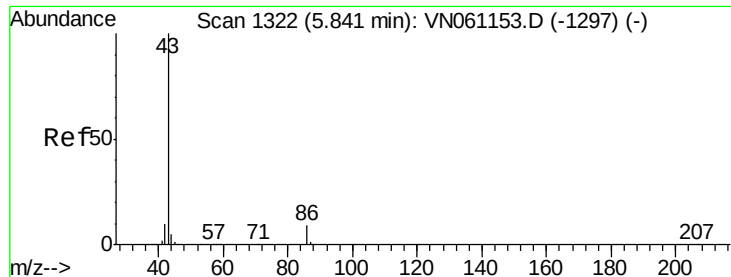
45 100

43 59.1 47.9 71.9

87 22.3 19.2 28.8

59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 100.129 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampled :

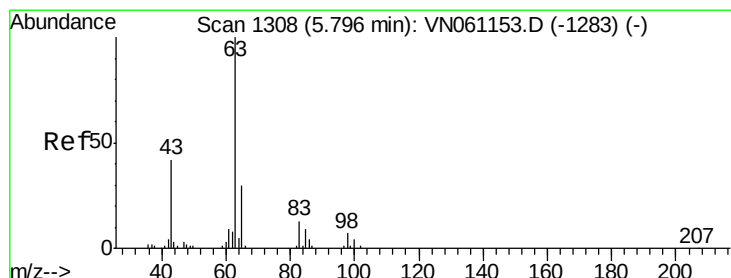
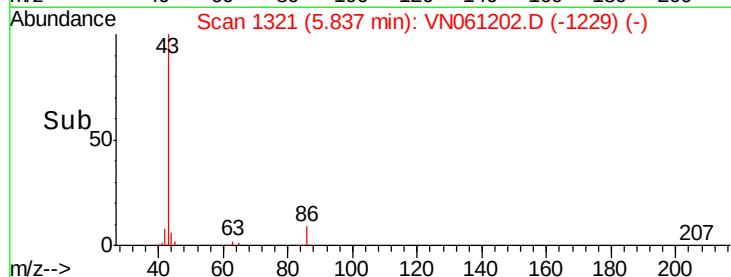
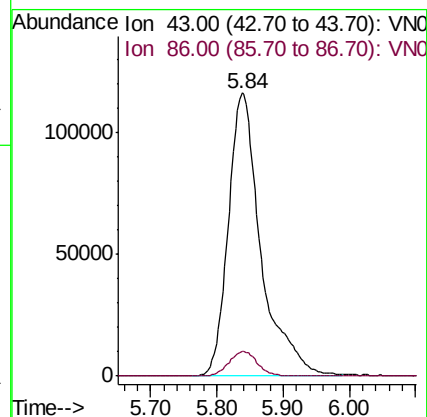
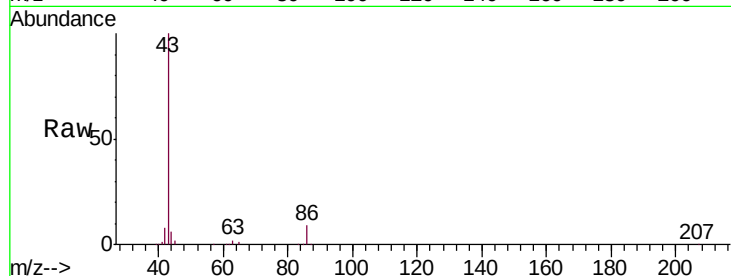
VN0430WBSD01

Tgt Ion: 43 Resp: 399387

Ion Ratio Lower Upper

43 100

86 8.8 7.2 10.8



#24

1,1-Dichloroethane

Concen: 19.827 ug/l

RT: 5.79 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

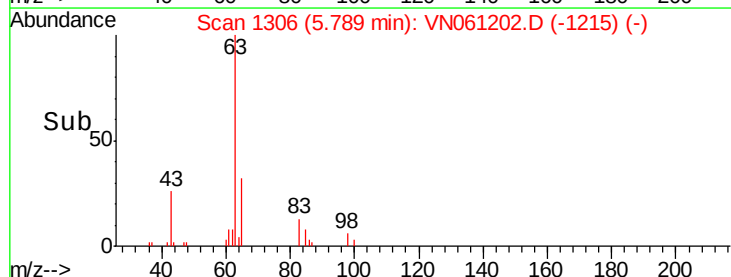
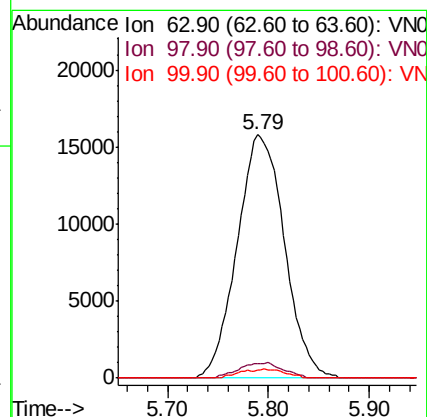
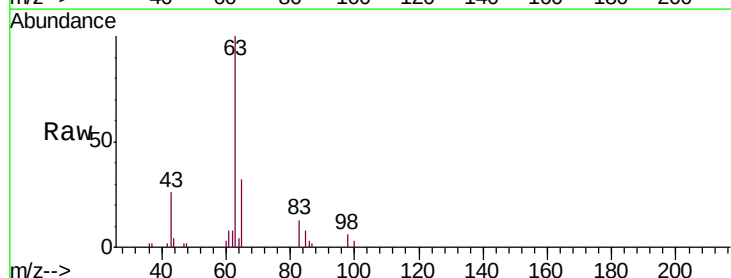
Tgt Ion: 63 Resp: 51319

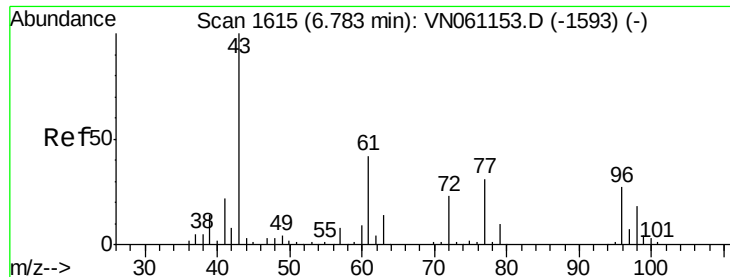
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

100 3.2 1.9 5.7





#25

2-Butanone

Concen: 96.641 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

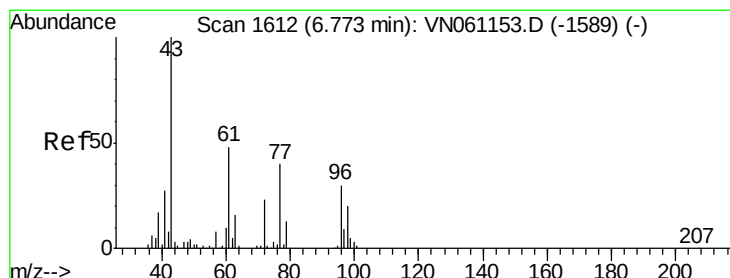
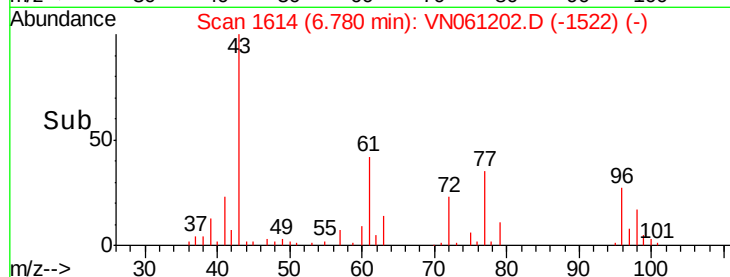
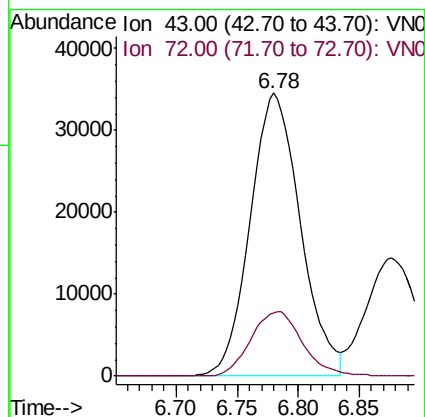
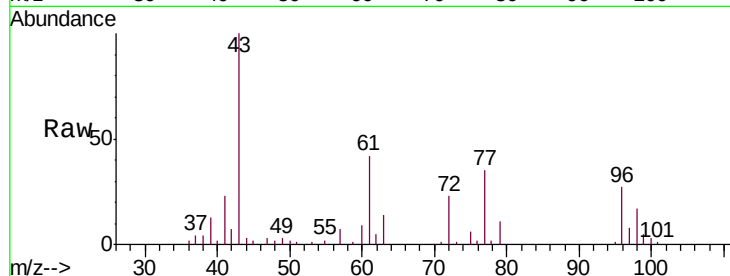
VN0430WBSD01

Tgt Ion: 43 Resp: 98809

Ion Ratio Lower Upper

43 100

72 22.5 18.2 27.4



#26

2,2-Dichloropropane

Concen: 18.662 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VN061202.D

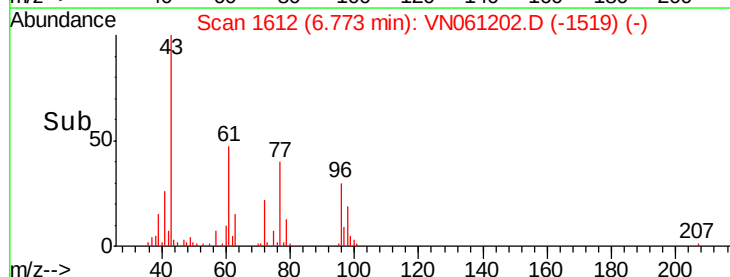
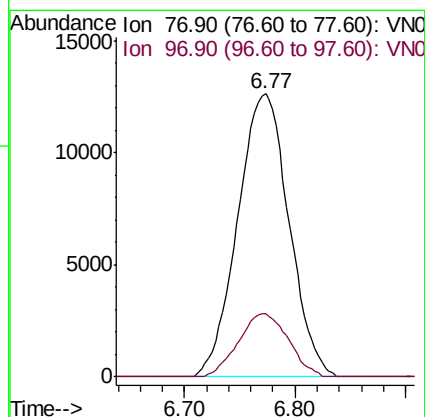
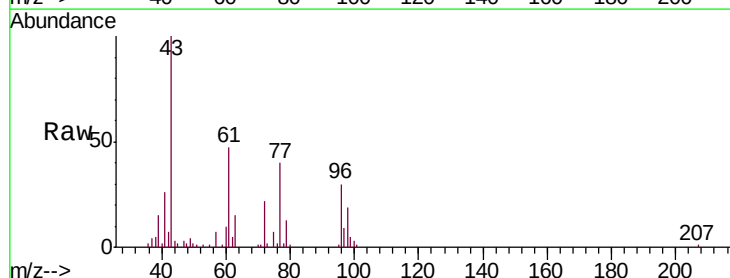
Acq: 30 Apr 2020 15:32

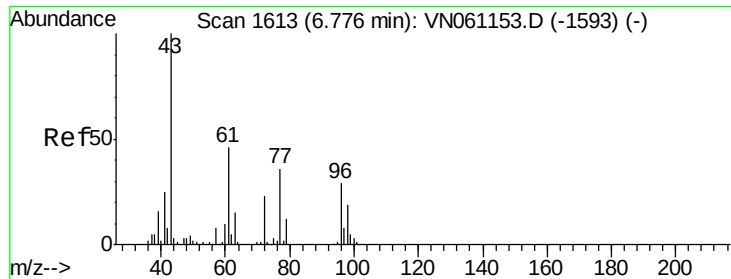
Tgt Ion: 77 Resp: 40684

Ion Ratio Lower Upper

77 100

97 21.7 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.870 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

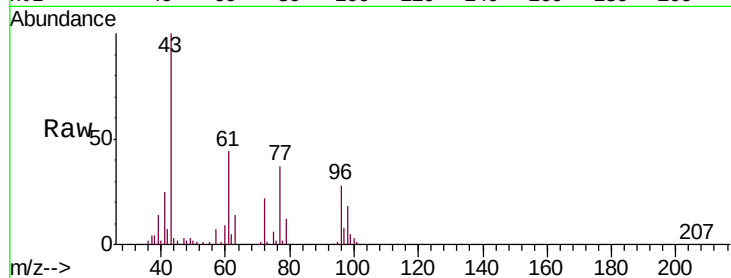
Tgt Ion: 96 Resp: 27781

Ion Ratio Lower Upper

96 100

61 163.0 0.0 322.0

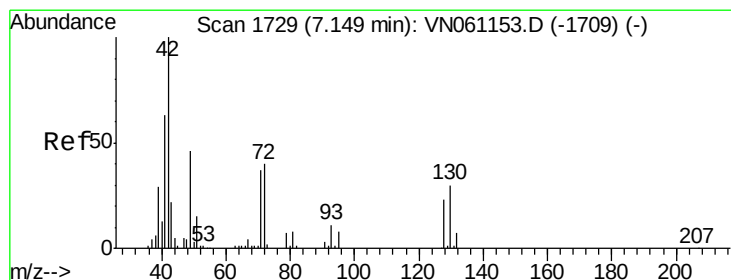
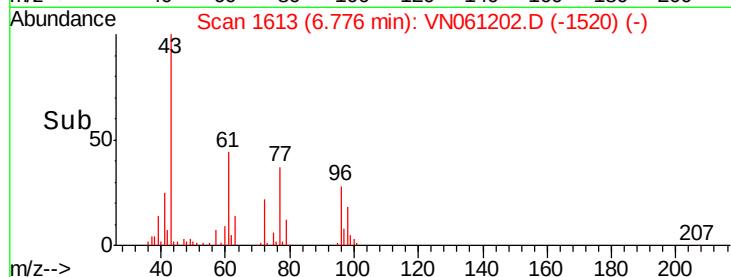
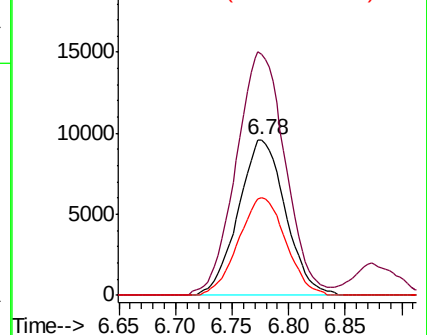
98 63.0 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.381 ug/l

RT: 7.15 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

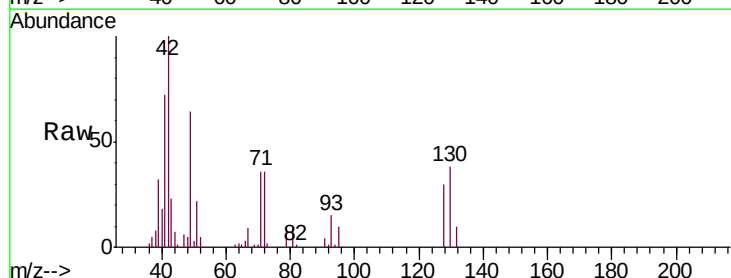
Tgt Ion: 49 Resp: 27457

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.0

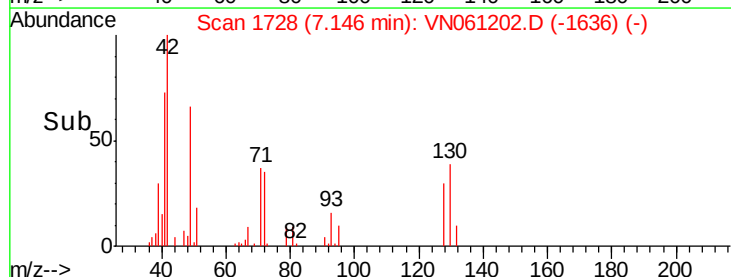
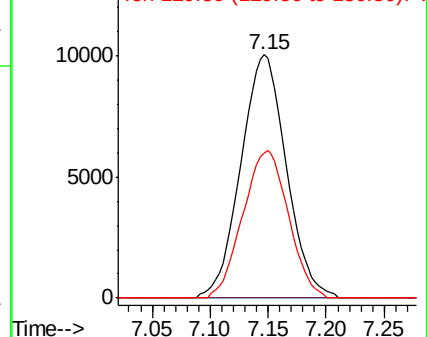
130 60.6 51.4 77.2

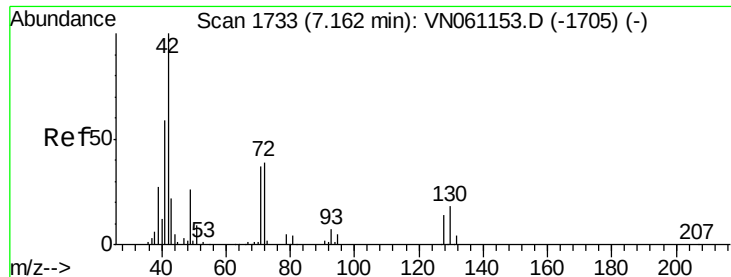


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

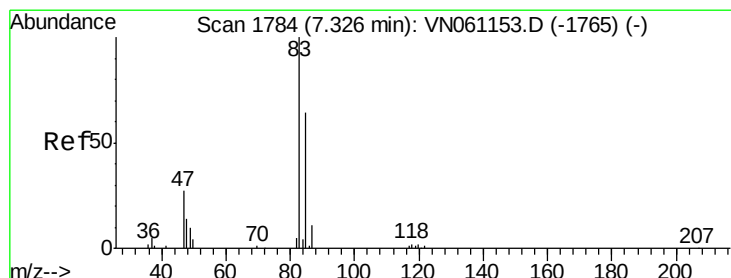
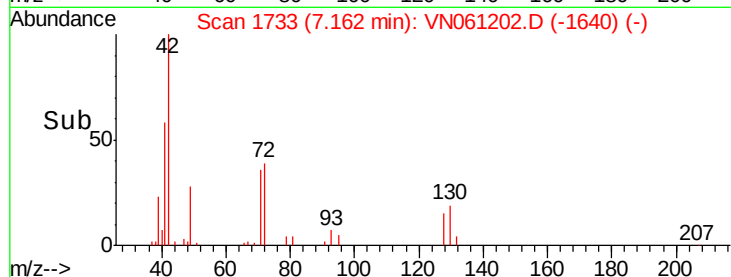
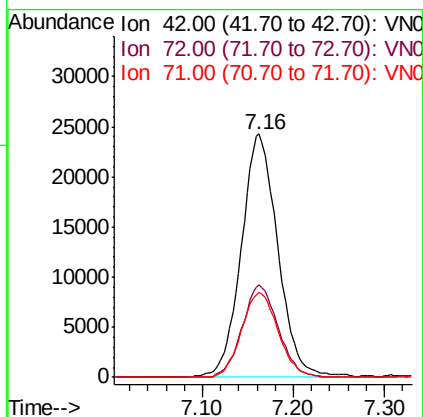
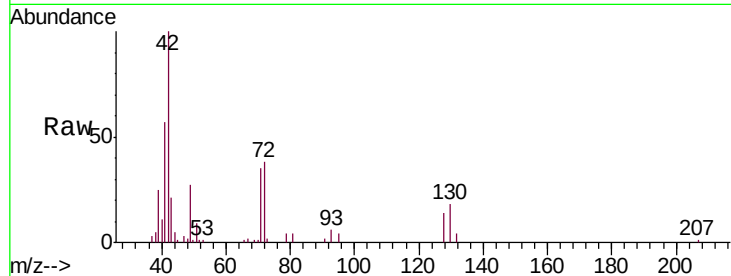




#29
Tetrahydrofuran
Concen: 98.231 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

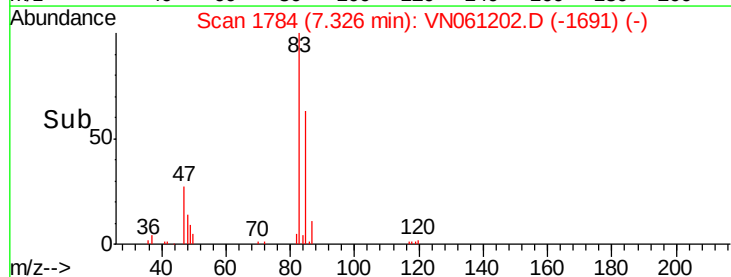
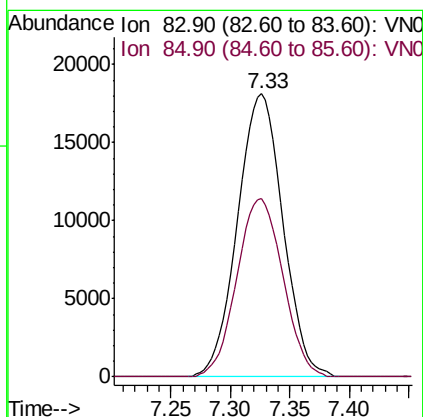
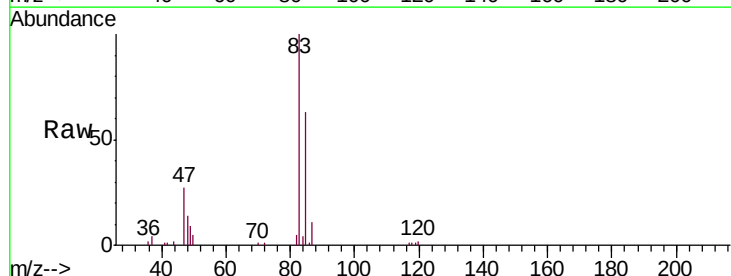
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

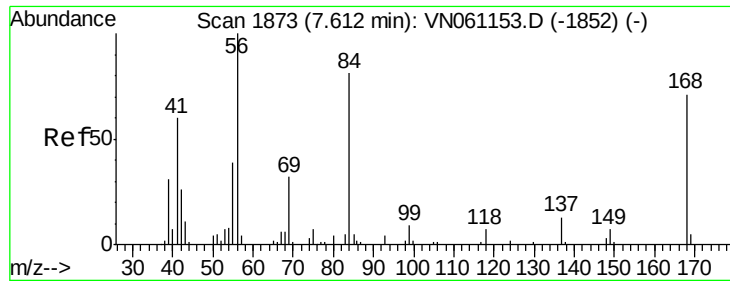
Tgt Ion: 42 Resp: 67655
Ion Ratio Lower Upper
42 100
72 37.2 31.4 47.0
71 34.9 29.5 44.3



#30
Chloroform
Concen: 18.277 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 83 Resp: 47939
Ion Ratio Lower Upper
83 100
85 62.9 51.1 76.7

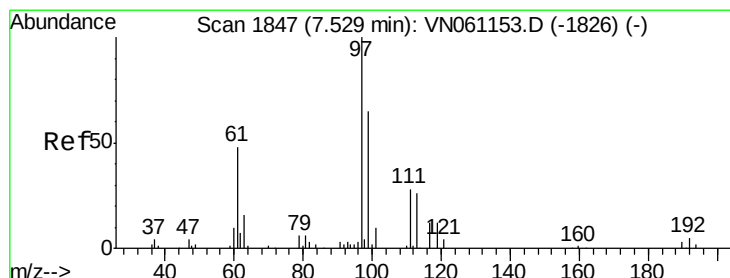
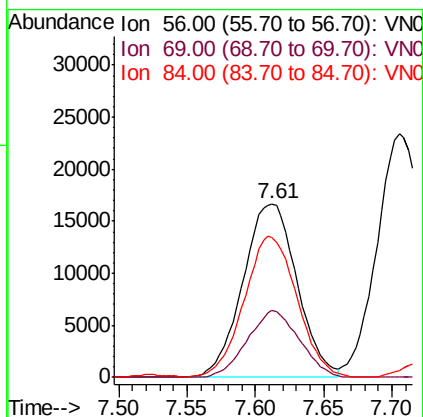
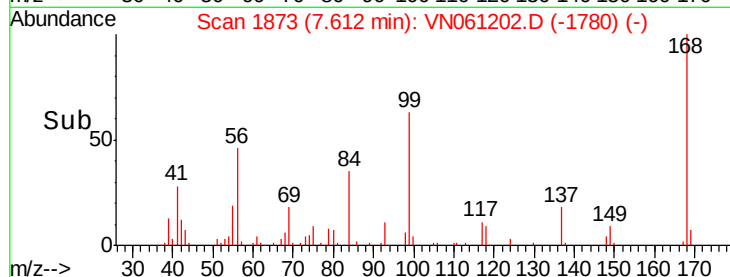
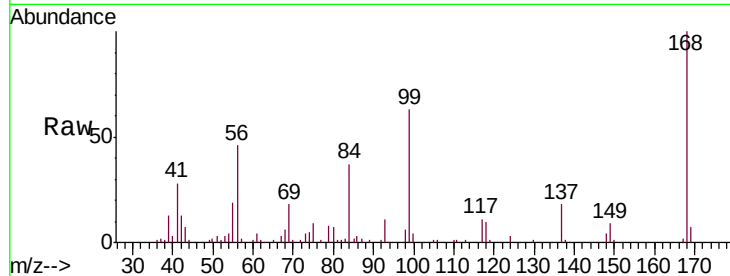




#31
Cyclohexane
Concen: 18.295 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

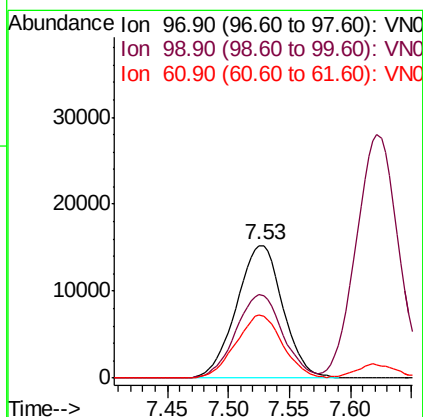
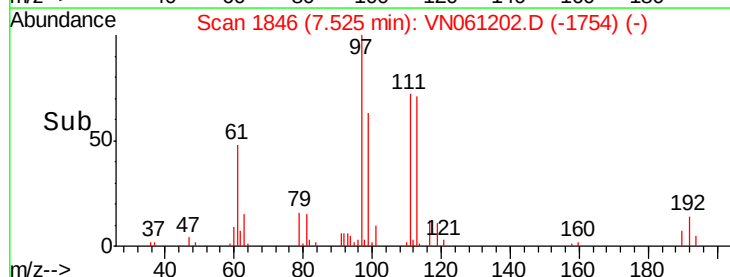
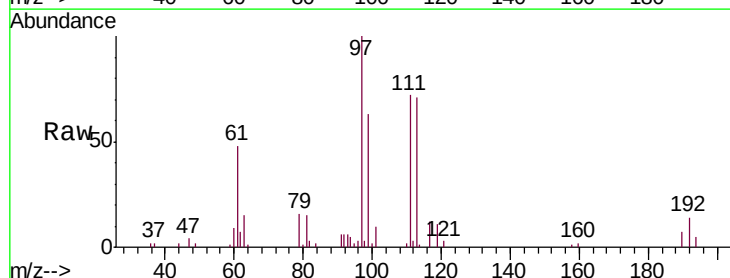
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

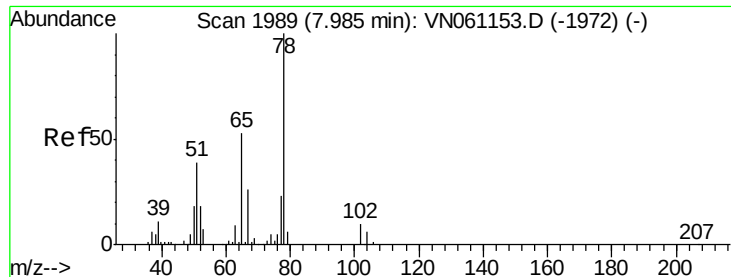
Tgt Ion: 56 Resp: 45988
Ion Ratio Lower Upper
56 100
69 38.4 25.7 38.5
84 80.2 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 17.564 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 97 Resp: 40117
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 47.7 38.6 57.8

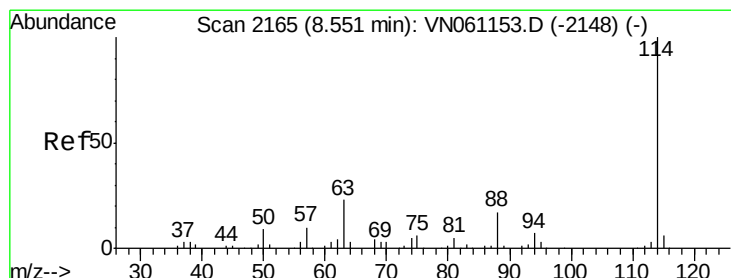
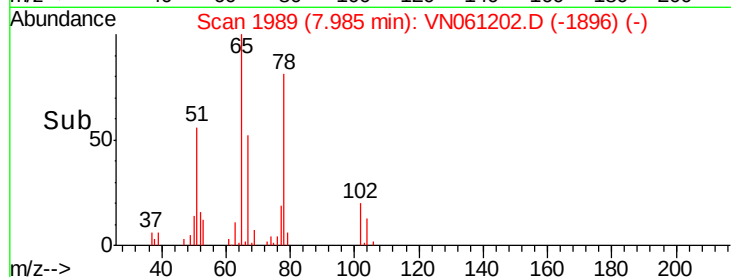
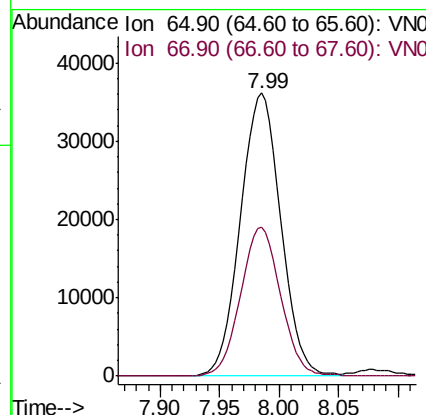
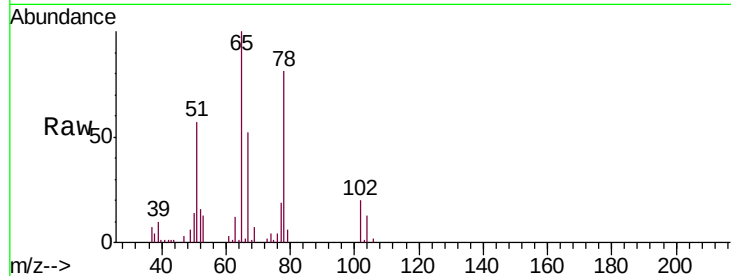




#33
 1,2-Dichloroethane-d4
 Concen: 49.323 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

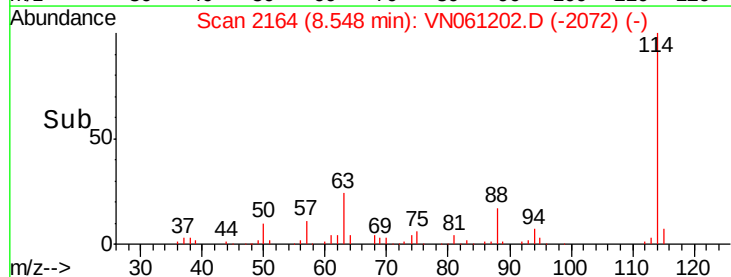
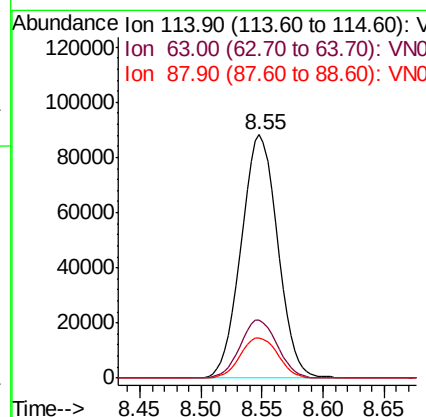
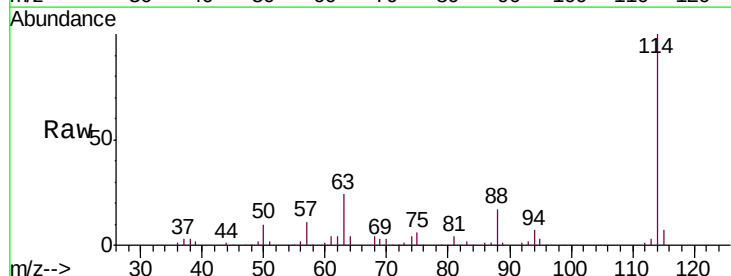
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

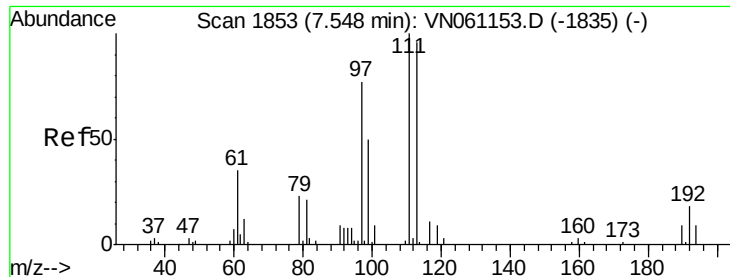
Tgt Ion: 65 Resp: 85224
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion: 114 Resp: 182754
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.6
 88 16.5 0.0 33.4

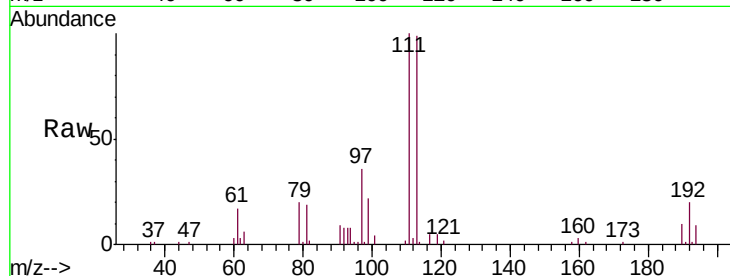




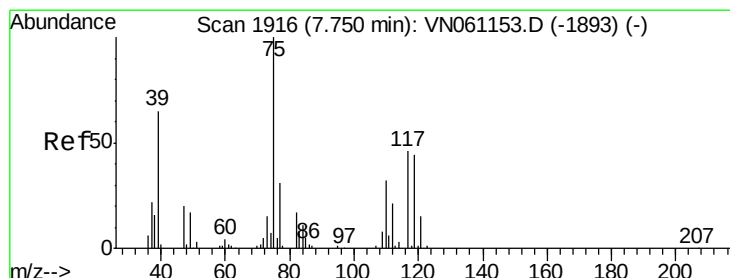
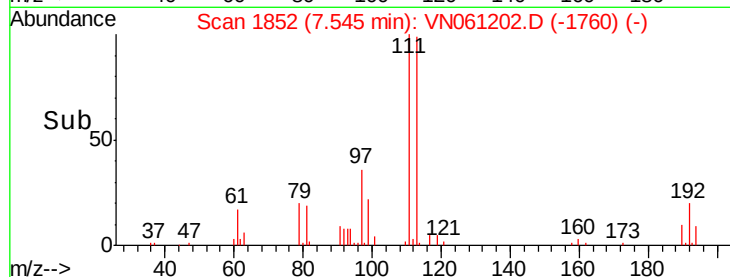
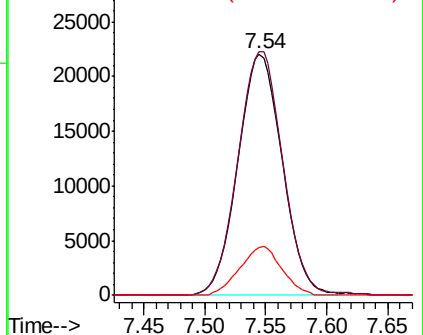
#35
 Dibromofluoromethane
 Concen: 51.420 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Tgt Ion: 113 Resp: 55568
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.9 124.3
 192 19.1 14.7 22.1

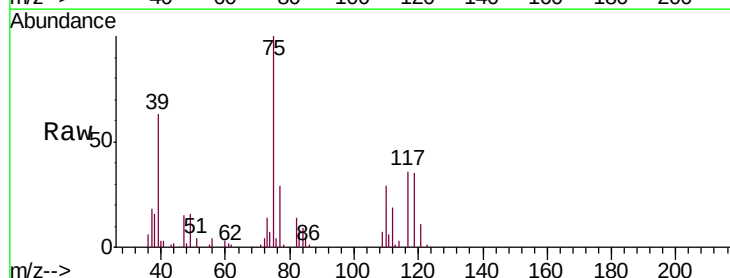


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

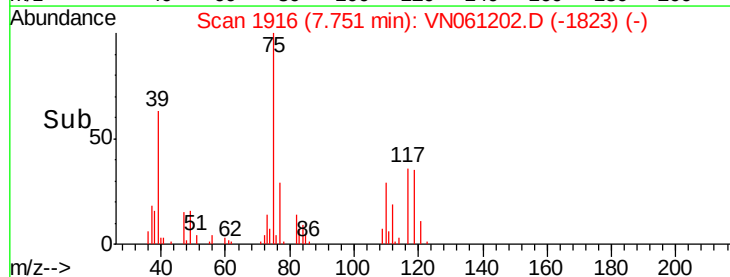
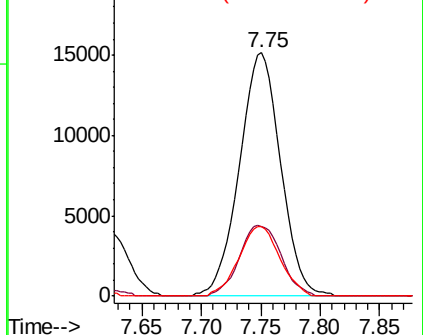


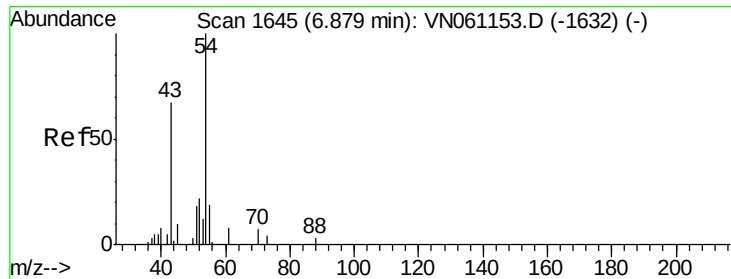
#36
 1,1-Dichloropropene
 Concen: 19.856 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion: 75 Resp: 36325
 Ion Ratio Lower Upper
 75 100
 110 29.6 16.0 48.0
 77 28.4 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

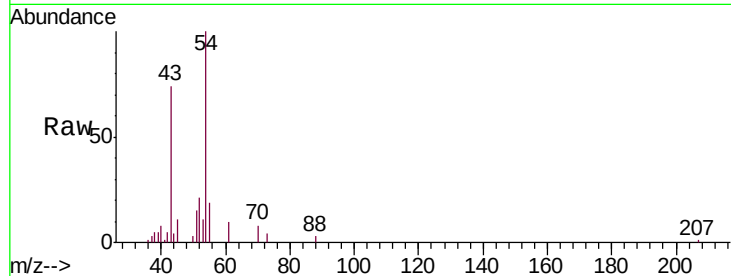




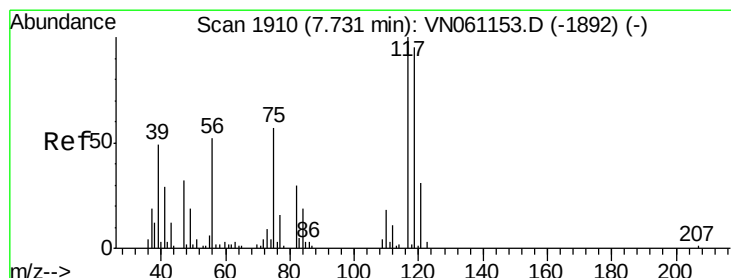
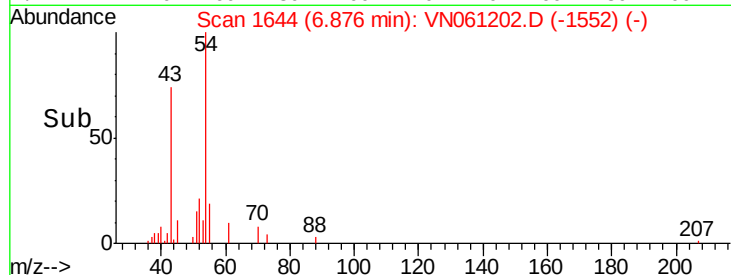
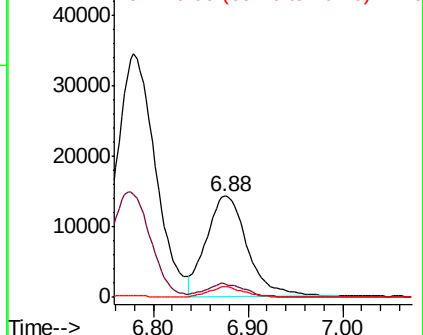
#37
Ethyl Acetate
Concen: 20.057 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tgt Ion: 43 Resp: 43017
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.2
70 8.8 7.2 10.8

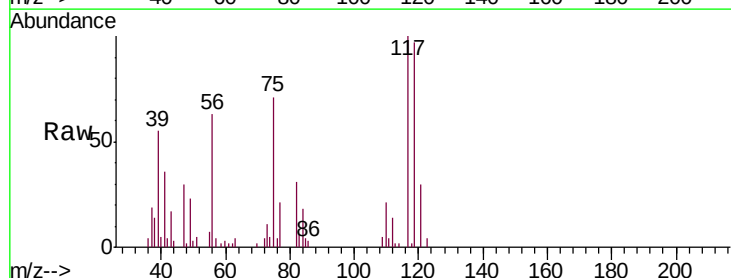


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

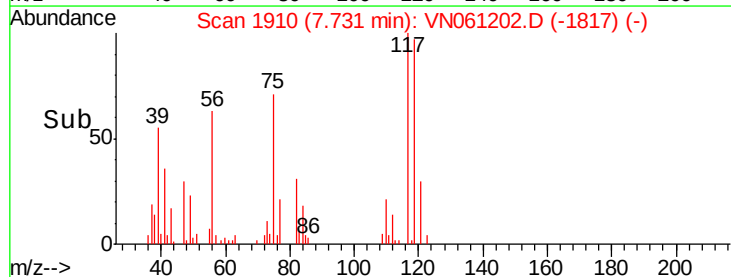
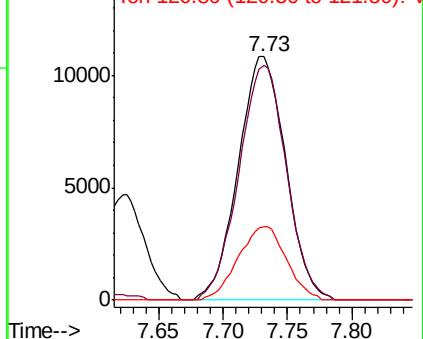


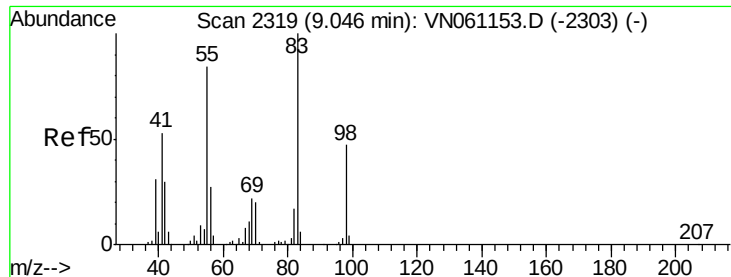
#38
Carbon Tetrachloride
Concen: 18.209 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 117 Resp: 27851
Ion Ratio Lower Upper
117 100
119 96.6 75.8 113.6
121 30.4 24.7 37.1



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

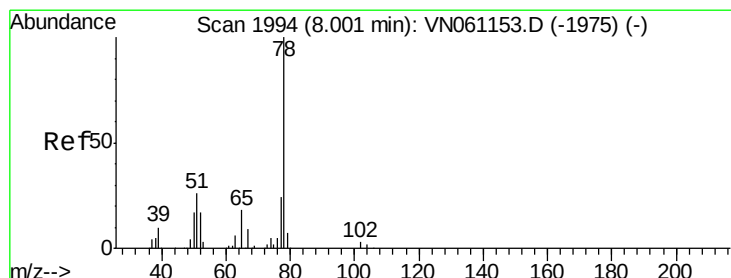
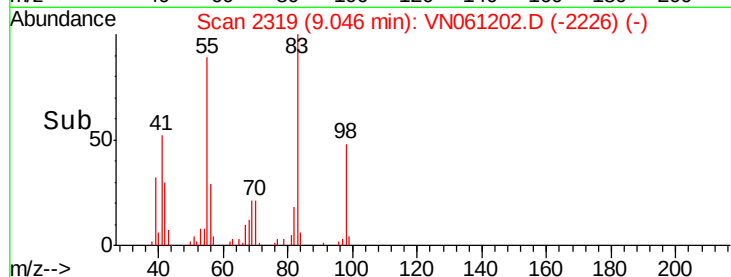
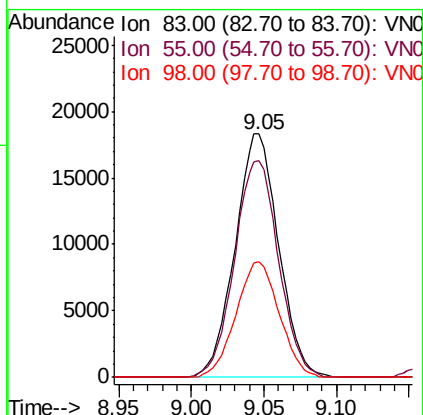
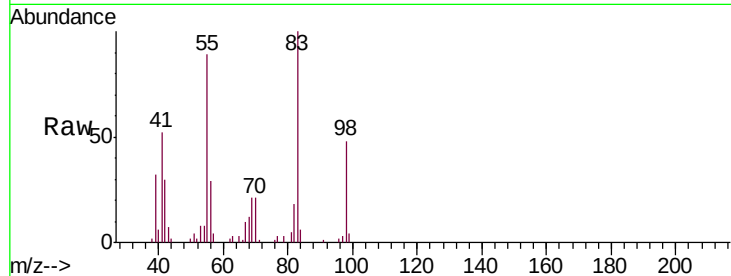




#39
Methylcyclohexane
Concen: 18.647 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

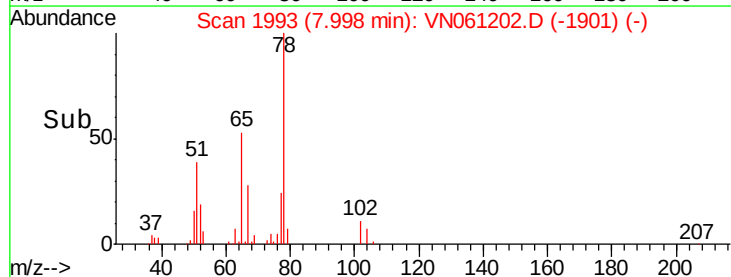
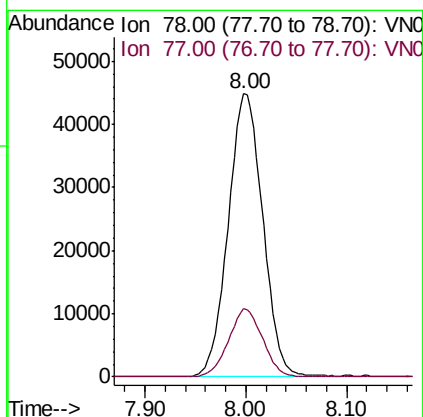
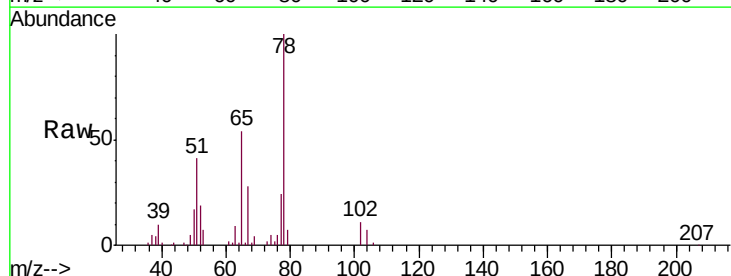
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

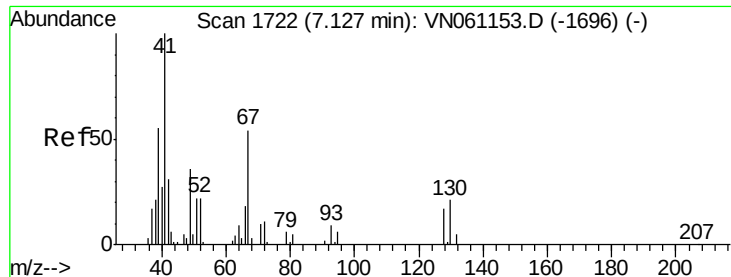
Tgt Ion: 83 Resp: 38257
Ion Ratio Lower Upper
83 100
55 89.2 67.3 100.9
98 47.7 37.7 56.5



#40
Benzene
Concen: 19.619 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 78 Resp: 106930
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

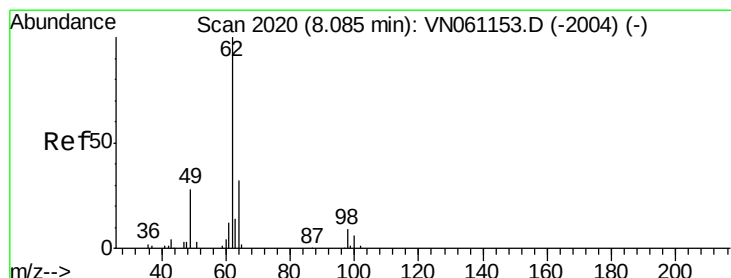
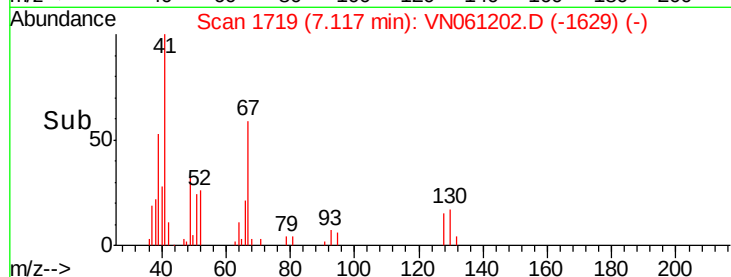
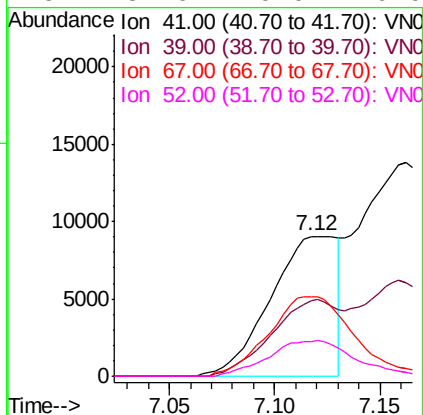
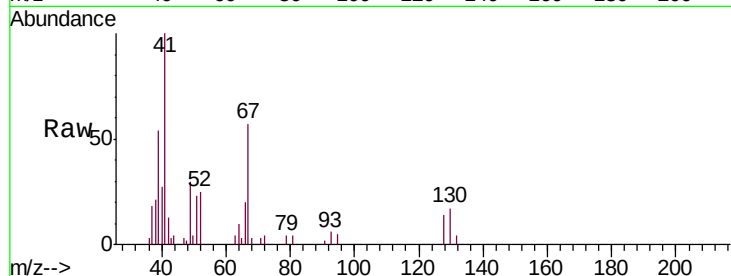




#41
Methacrylonitrile
Concen: 22.305 ug/l
RT: 7.12 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

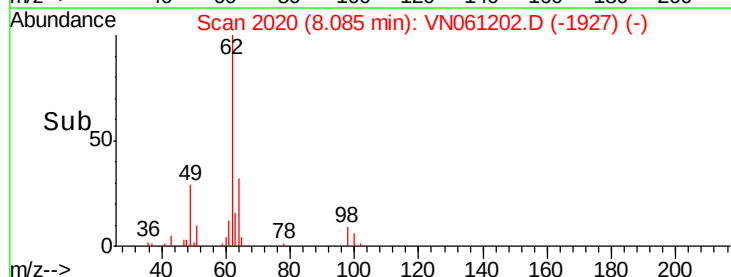
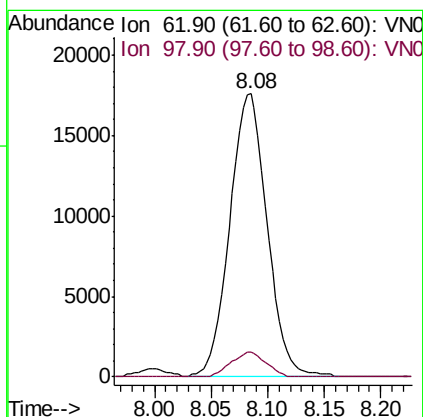
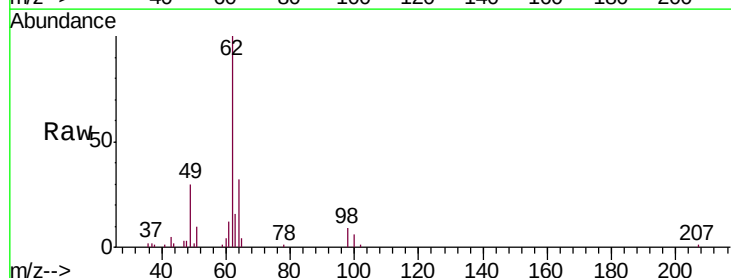
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

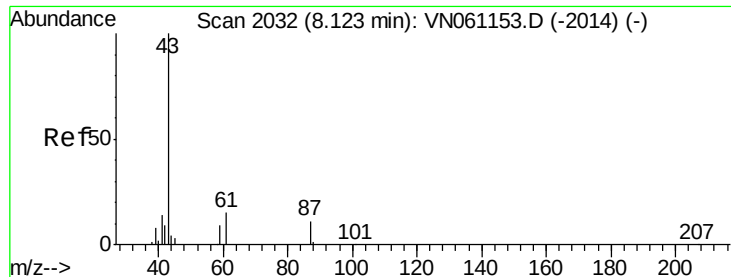
Tgt Ion:	41	Resp:	19862
Ion	Ratio	Lower	Upper
41	100		
39	56.4	0.0	0.0#
67	72.6	0.0	0.0#
52	32.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.605 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion:	62	Resp:	40480
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.419 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

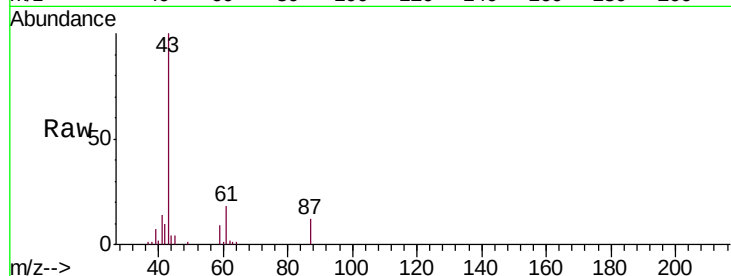
Tgt Ion: 43 Resp: 69121

Ion Ratio Lower Upper

43 100

61 19.0 19.5 29.3#

87 10.7 8.9 13.3

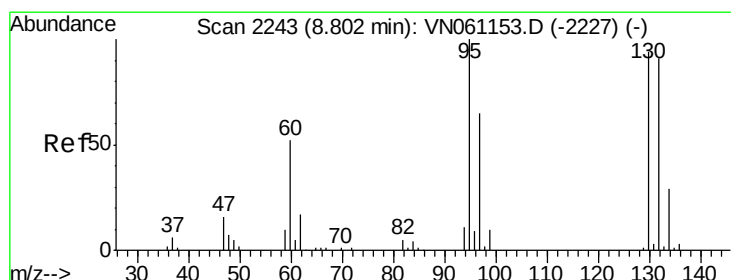
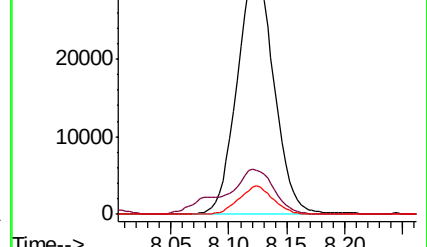
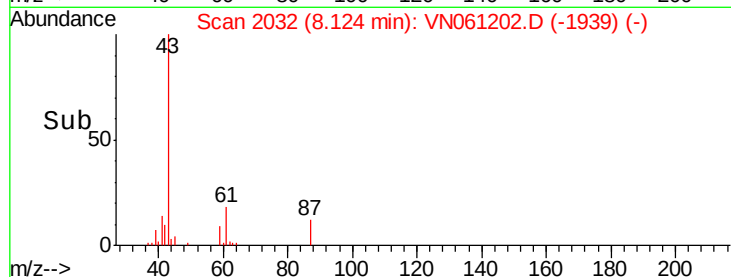


Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)

Time-->



#44

Trichloroethene

Concen: 18.040 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061202.D

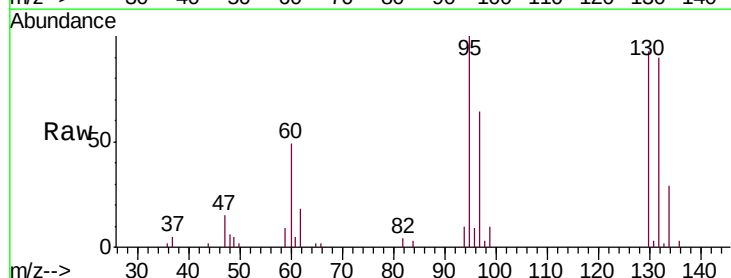
Acq: 30 Apr 2020 15:32

Tgt Ion: 130 Resp: 26580

Ion Ratio Lower Upper

130 100

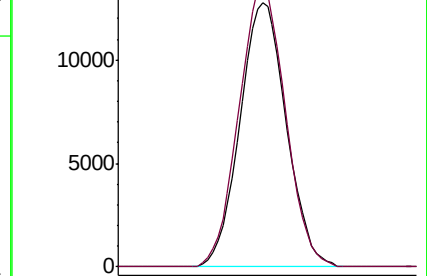
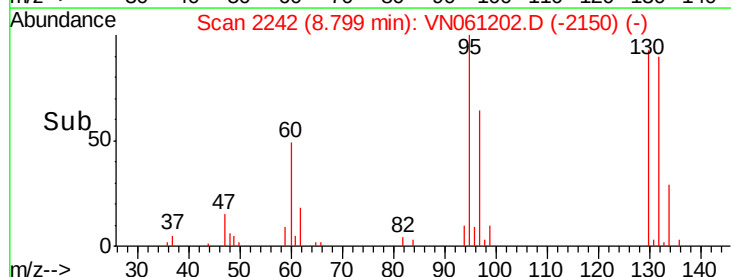
95 107.0 0.0 212.4

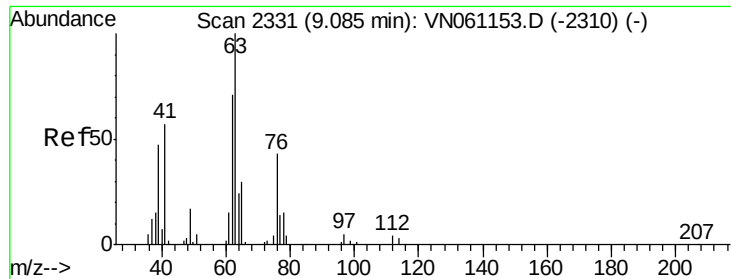


Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)

Time-->

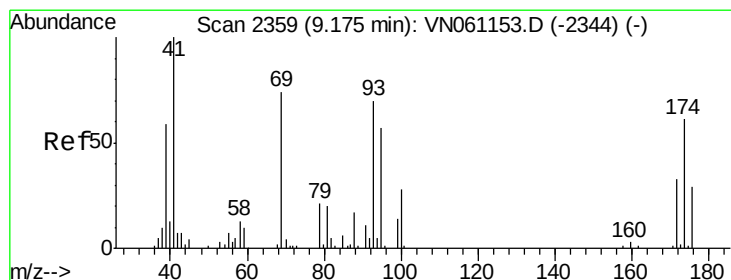
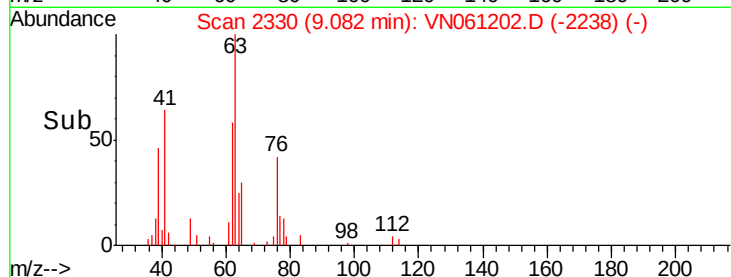
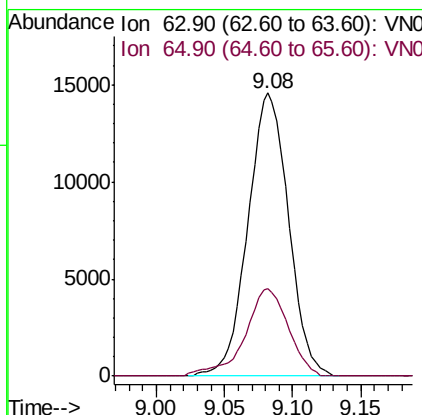
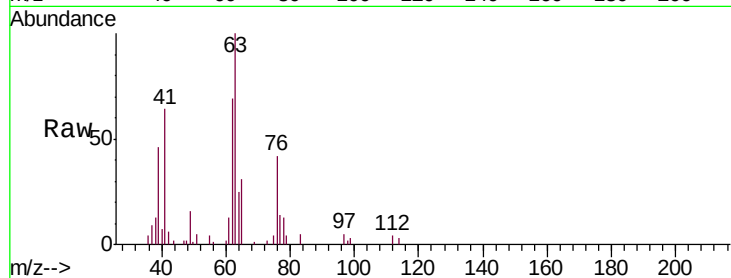




#45
 1,2-Dichloropropane
 Concen: 20.667 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

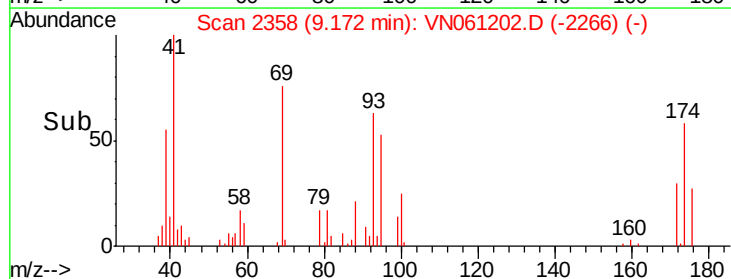
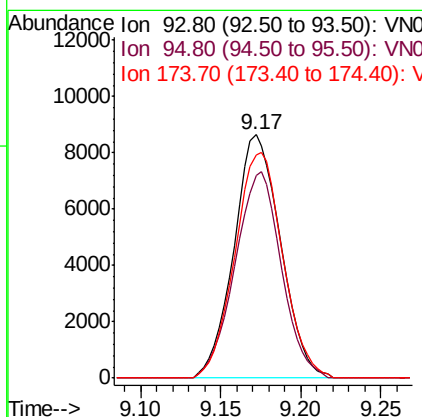
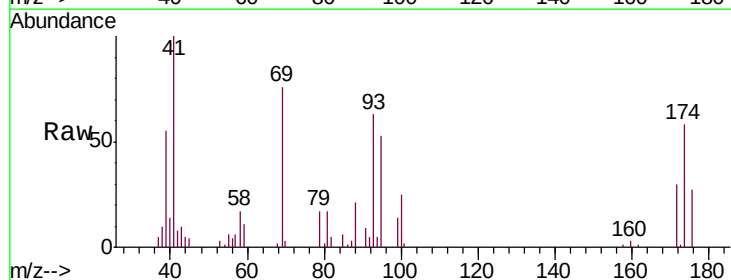
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

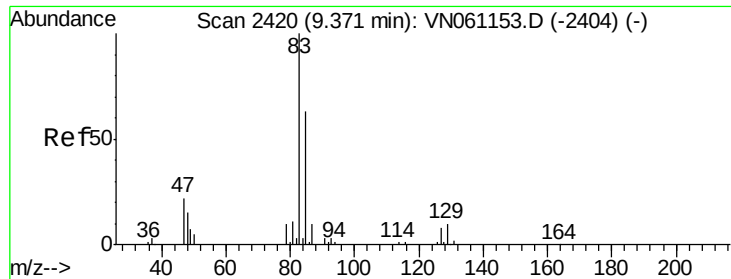
Tgt Ion: 63 Resp: 30094
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1



#46
 Dibromomethane
 Concen: 19.087 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion: 93 Resp: 17209
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 99.8
 174 95.1 70.2 105.2

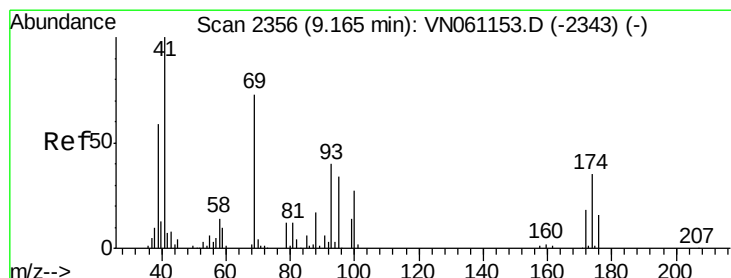
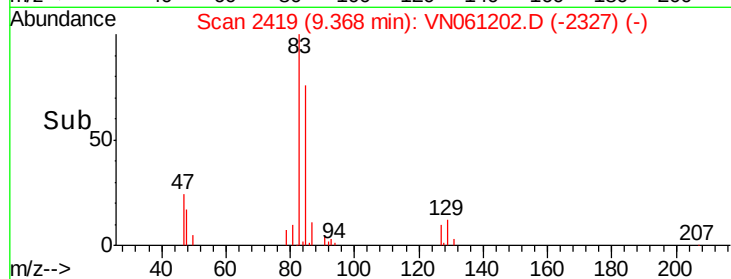
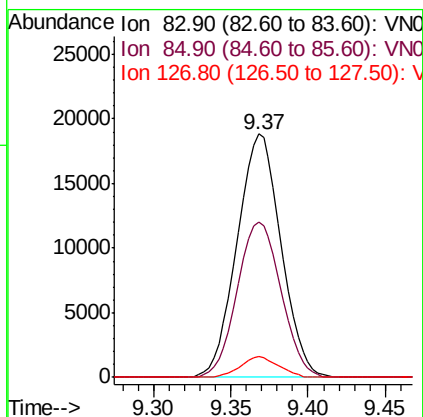
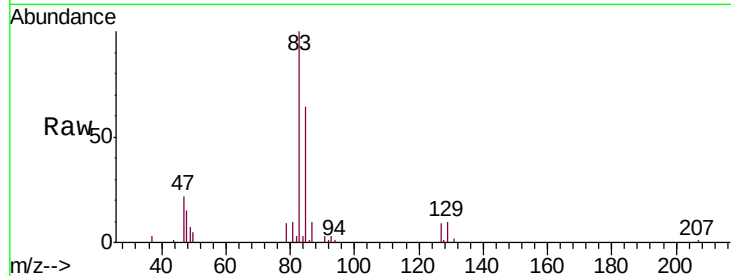




#47
Bromodichloromethane
Concen: 19.223 ug/l
RT: 9.37 min Scan# 2419
Delta R.T. -0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

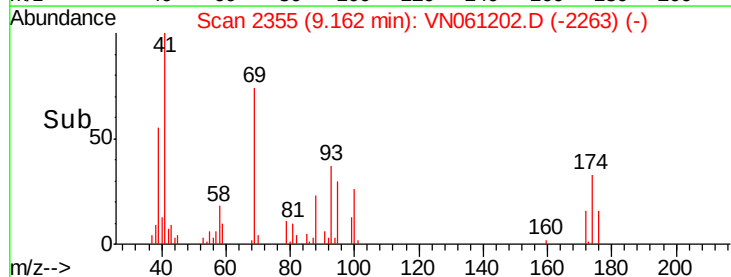
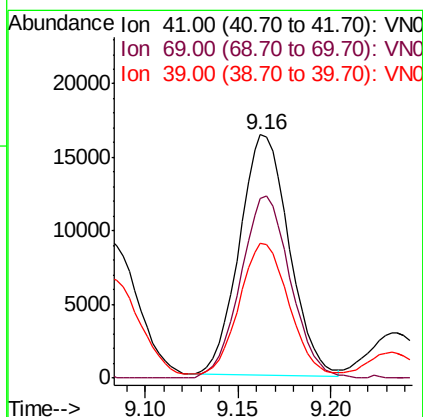
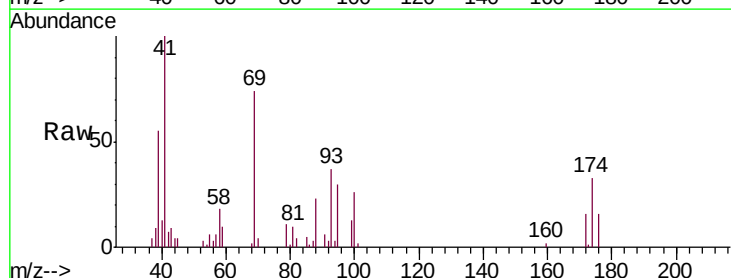
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

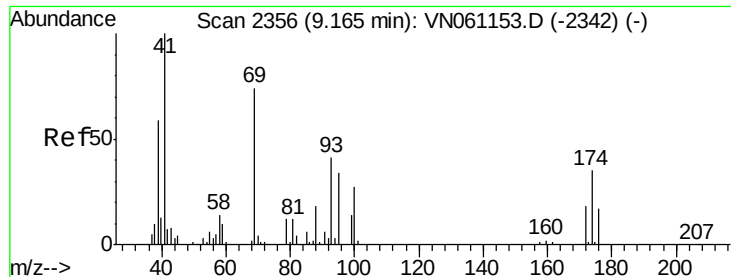
Tgt Ion: 83 Resp: 37199
Ion Ratio Lower Upper
83 100
85 63.9 50.4 75.6
127 8.8 6.2 9.2



#48
Methyl methacrylate
Concen: 19.053 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 41 Resp: 30603
Ion Ratio Lower Upper
41 100
69 75.7 60.3 90.5
39 57.3 47.4 71.0

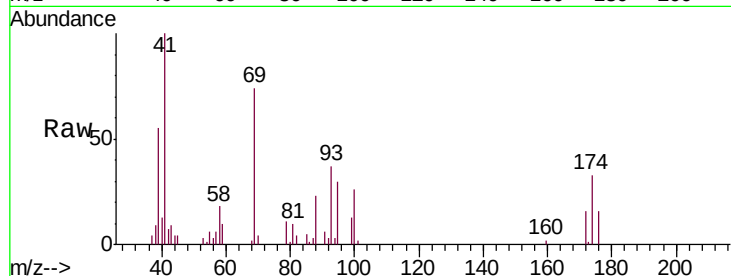




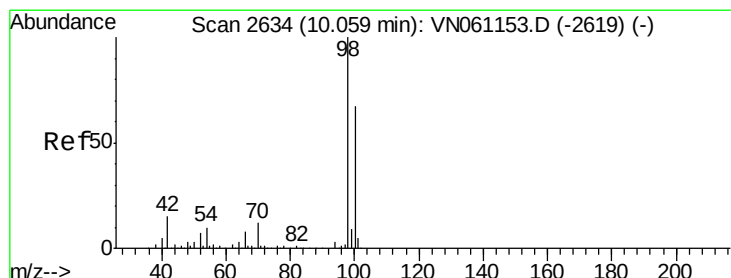
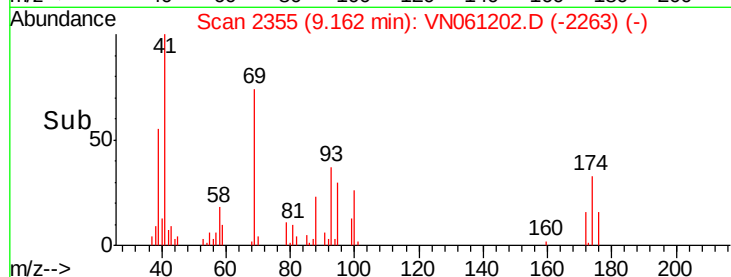
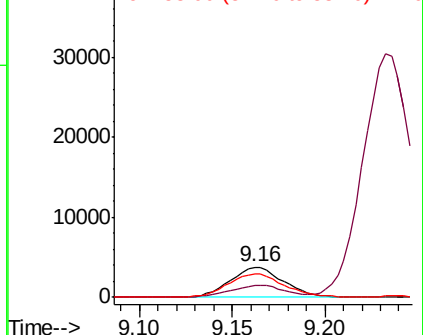
#49
1,4-Dioxane
Concen: 405.928 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tgt Ion: 88 Resp: 7401
Ion Ratio Lower Upper
88 100
43 41.6 35.3 52.9
58 83.0 61.5 92.3

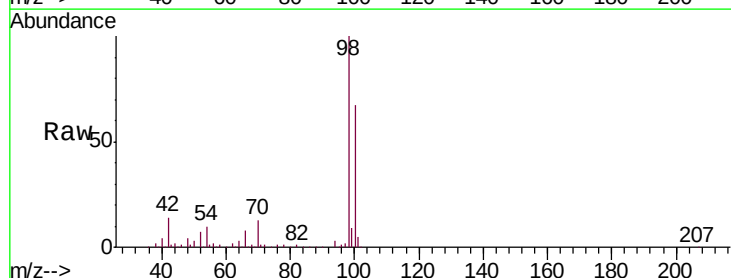


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

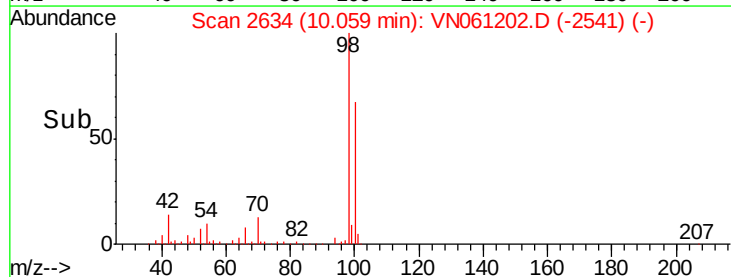
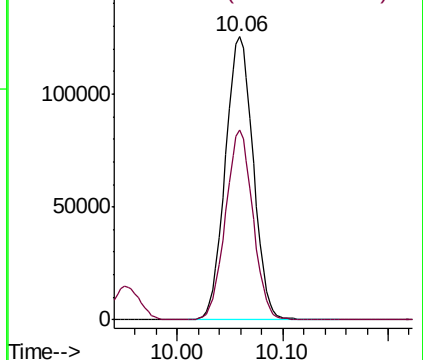


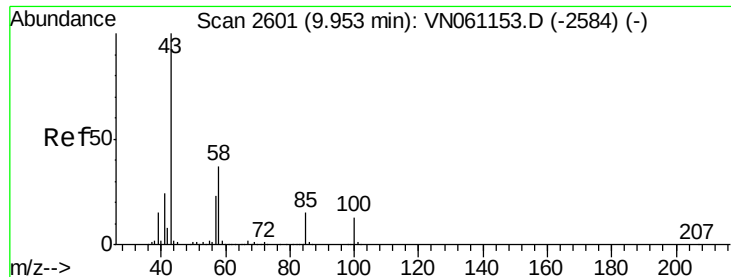
#50
Toluene-d8
Concen: 52.155 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 98 Resp: 229763
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0



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

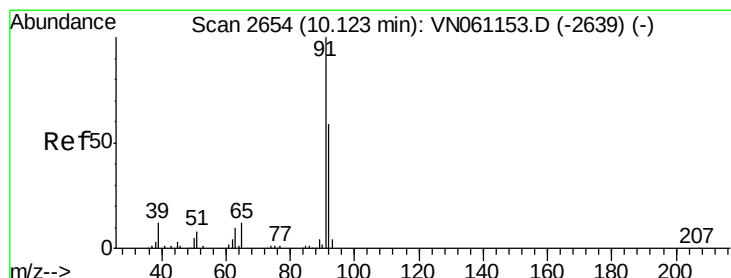
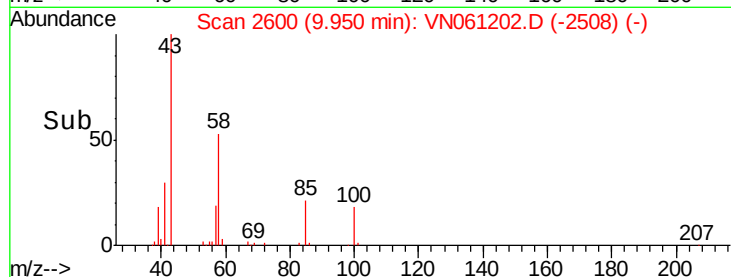
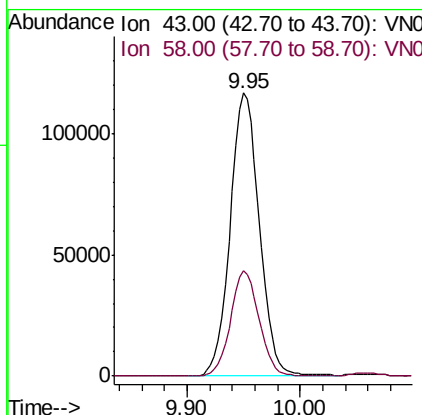
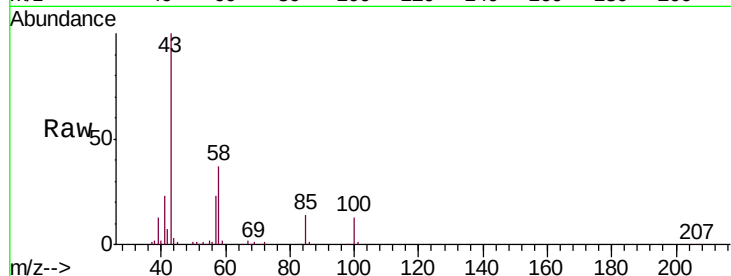




#51
 4-Methyl-2-Pentanone
 Concen: 100.020 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

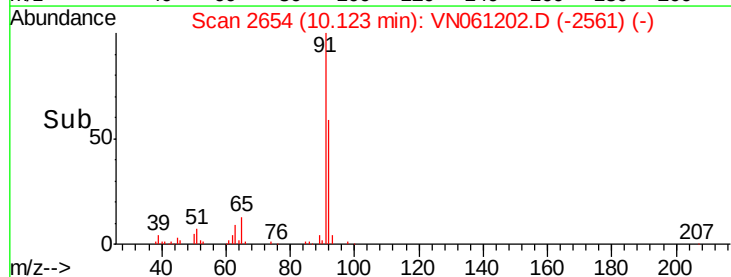
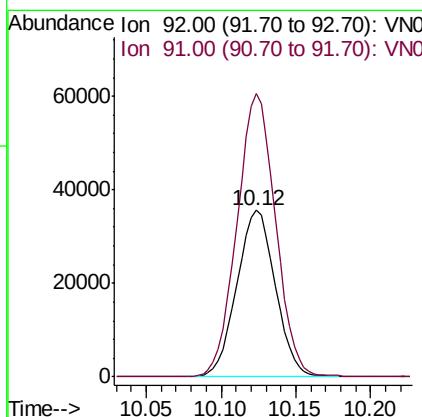
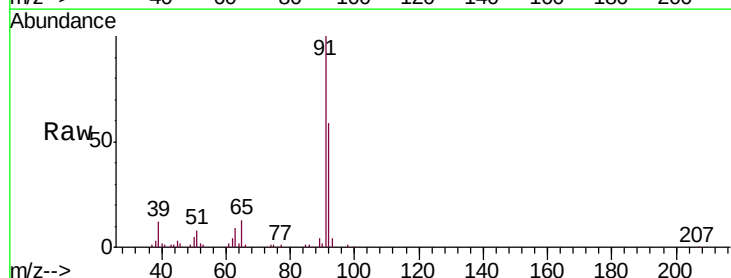
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

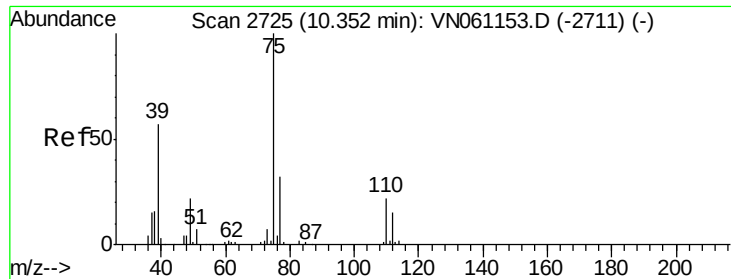
Tgt Ion: 43 Resp: 209555
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.1 43.7



#52
 Toluene
 Concen: 19.430 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion: 92 Resp: 63789
 Ion Ratio Lower Upper
 92 100
 91 170.3 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 19.469 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampled :

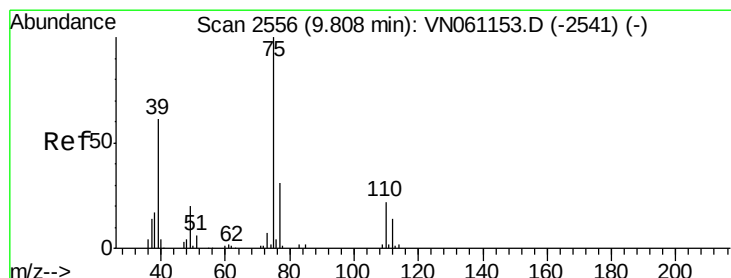
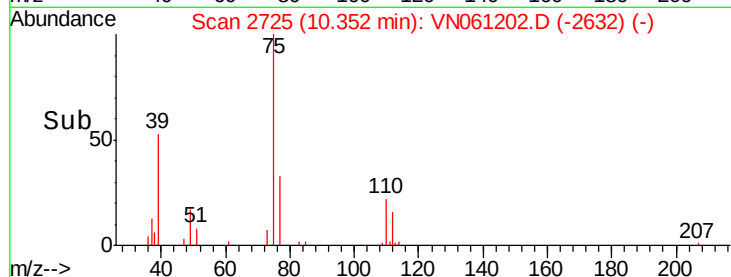
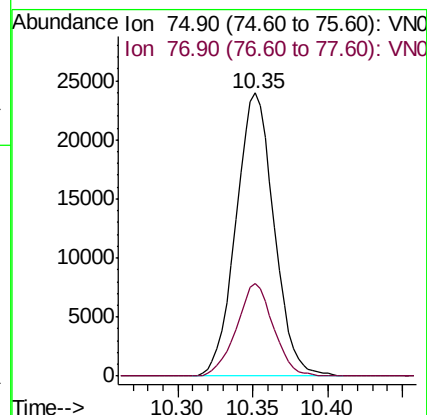
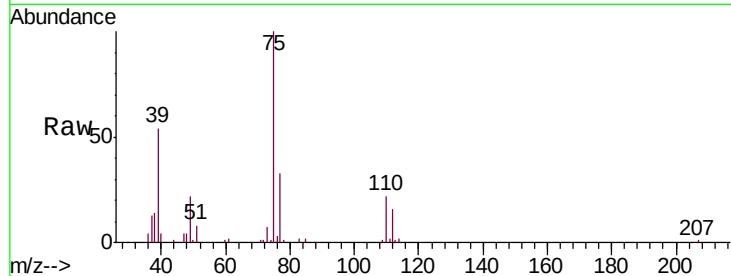
VN0430WBSD01

Tgt Ion: 75 Resp: 42452

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.803 ug/l

RT: 9.81 min Scan# 2556

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

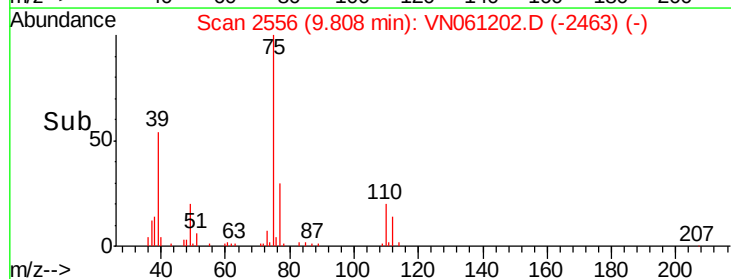
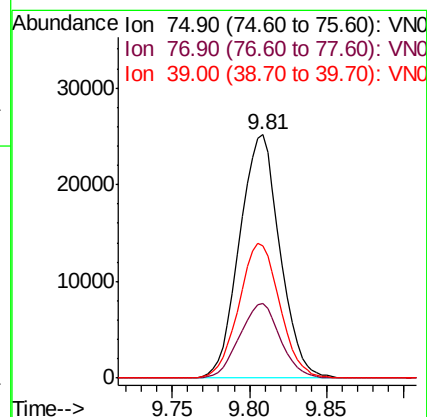
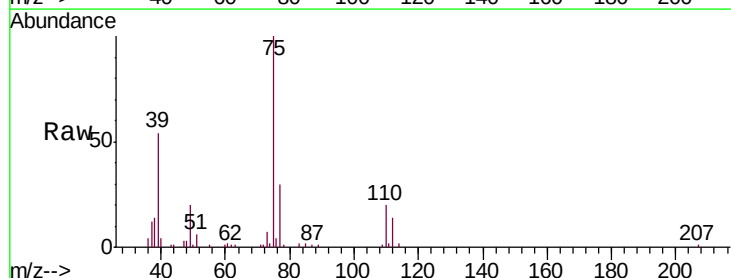
Tgt Ion: 75 Resp: 45650

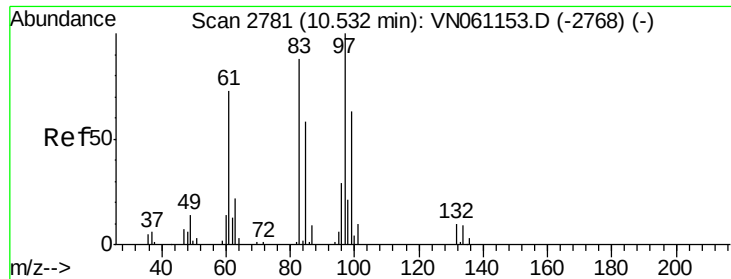
Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4

39 54.4 48.7 73.1

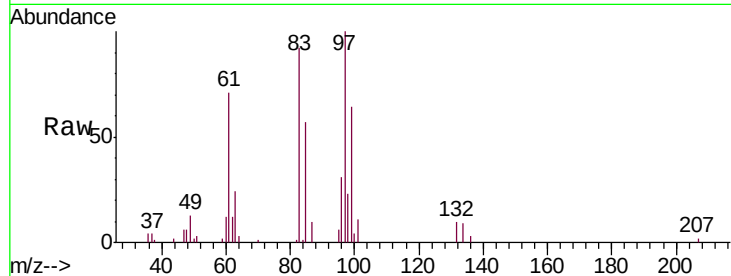




#55
 1,1,2-Trichloroethane
 Concen: 19.155 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Tgt Ion:	97	Resp:	25083
Ion	Ratio	Lower	Upper
97	100		
83	92.0	70.6	106.0
85	57.0	46.4	69.6
99	64.1	50.6	75.8



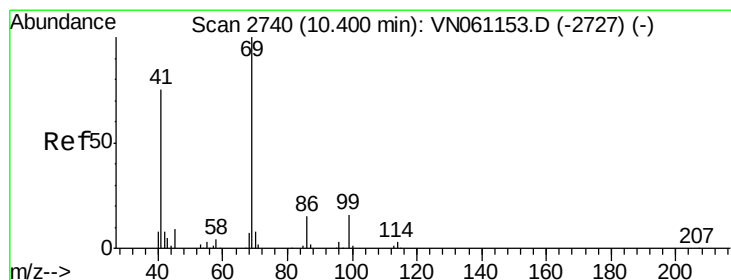
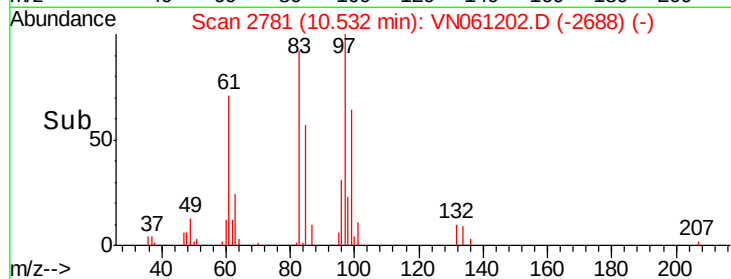
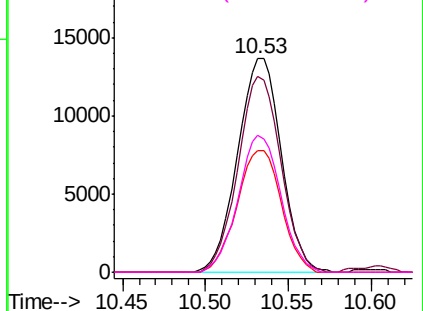
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

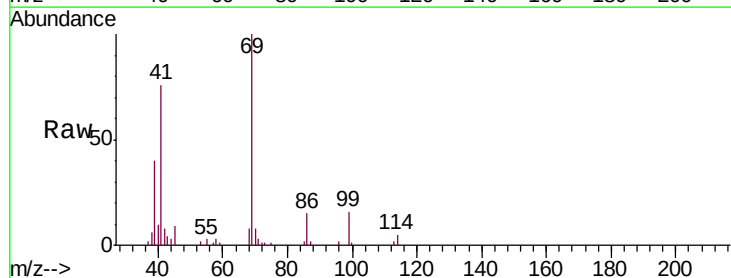
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 18.877 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion:	69	Resp:	38978
Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.3	90.5
39	40.4	35.9	53.9

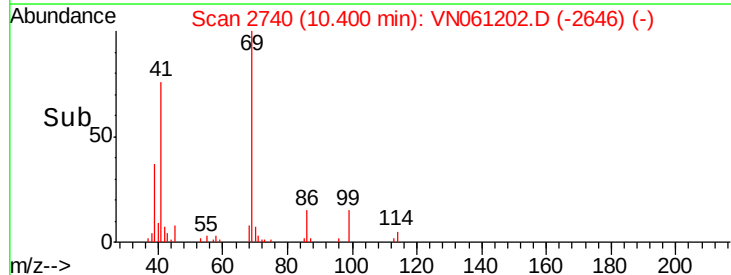
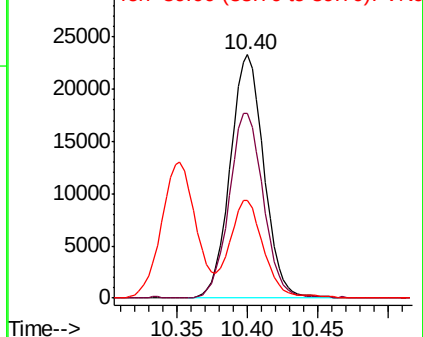


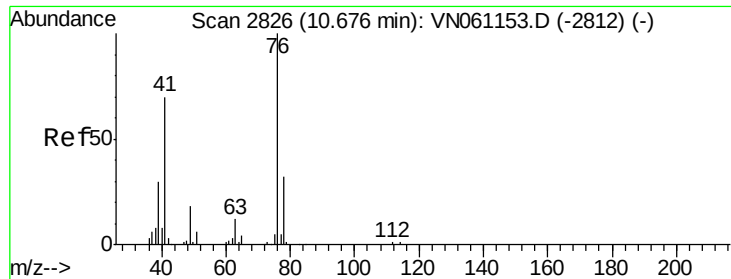
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.136 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

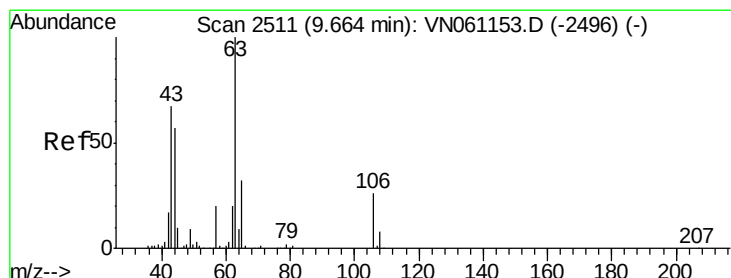
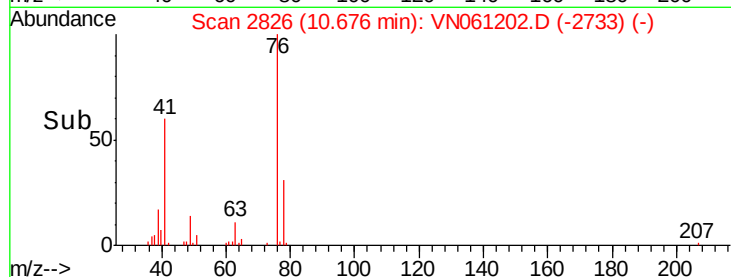
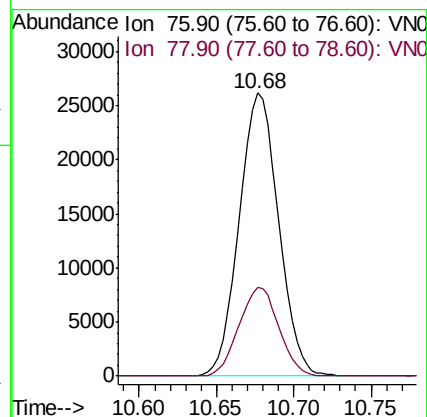
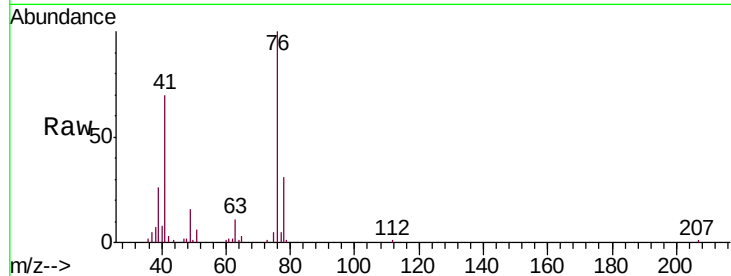
VN0430WBSD01

Tgt Ion: 76 Resp: 46347

Ion Ratio Lower Upper

76 100

78 31.6 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 106.677 ug/l

RT: 9.66 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VN061202.D

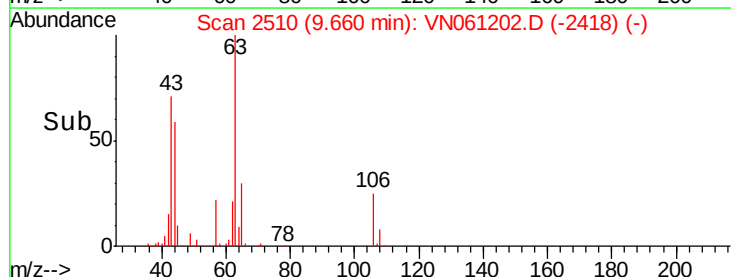
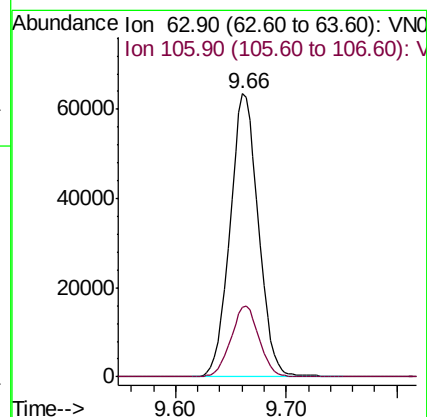
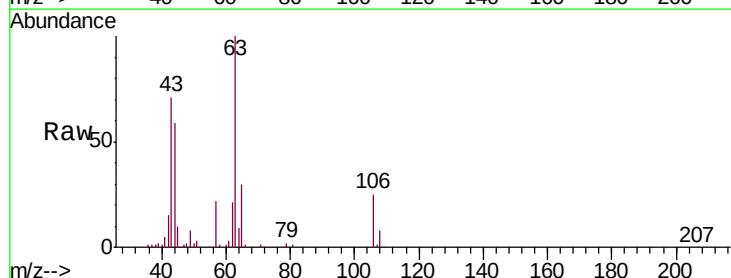
Acq: 30 Apr 2020 15:32

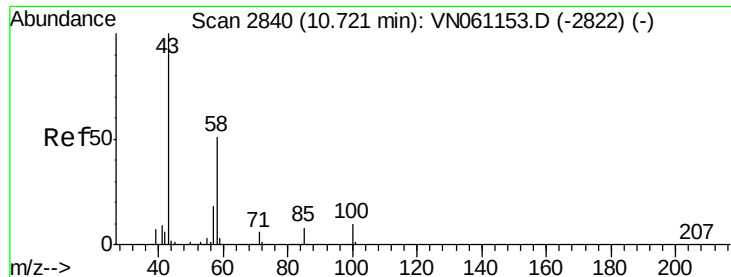
Tgt Ion: 63 Resp: 113072

Ion Ratio Lower Upper

63 100

106 24.8 20.6 30.8

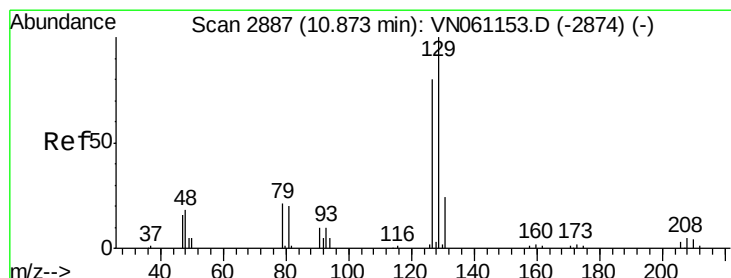
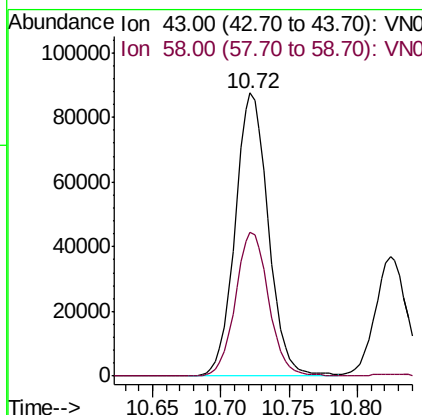
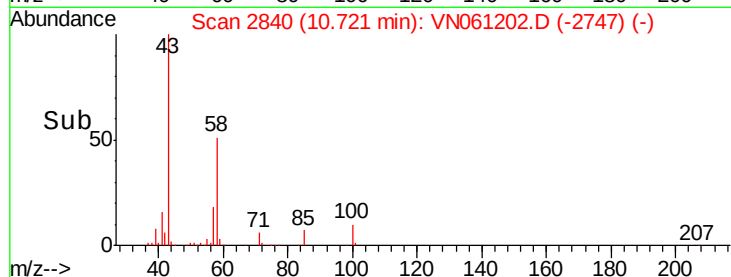
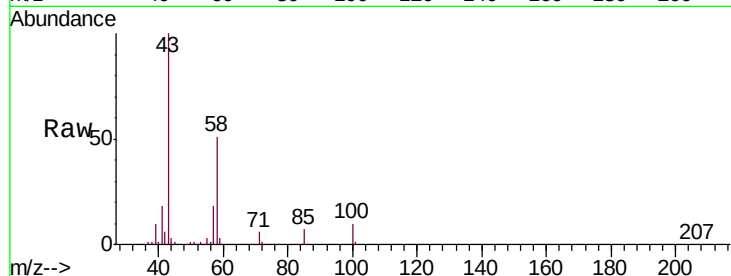




#59
2-Hexanone
Concen: 96.995 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

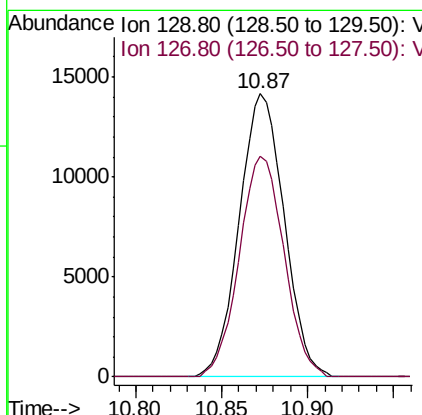
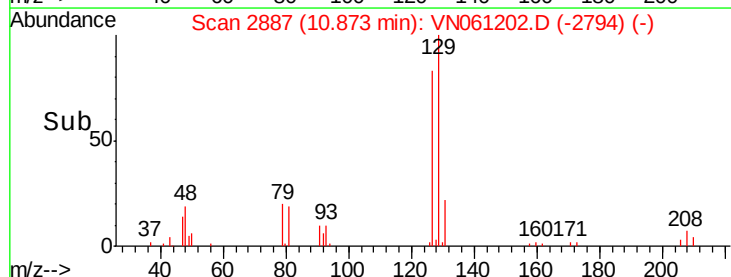
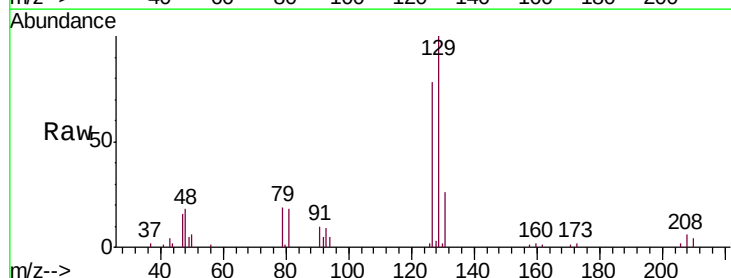
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

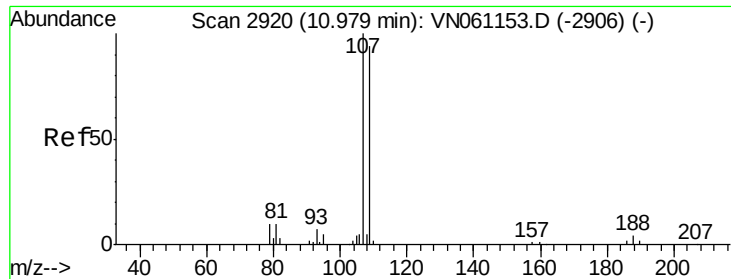
Tgt Ion: 43 Resp: 147845
Ion Ratio Lower Upper
43 100
58 50.9 25.4 76.4



#60
Dibromochloromethane
Concen: 18.741 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 129 Resp: 25702
Ion Ratio Lower Upper
129 100
127 77.6 39.3 117.8

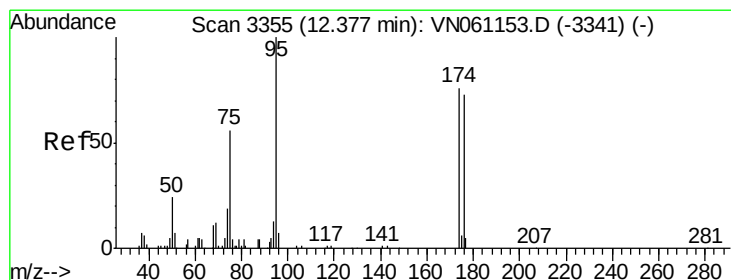
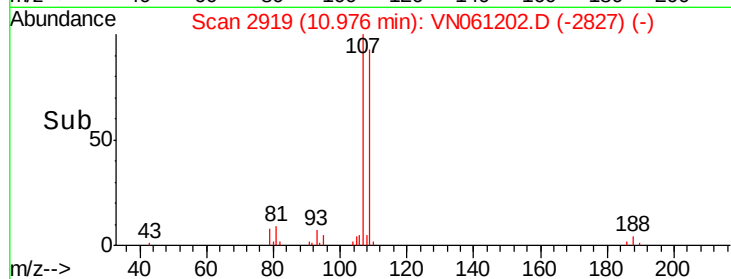
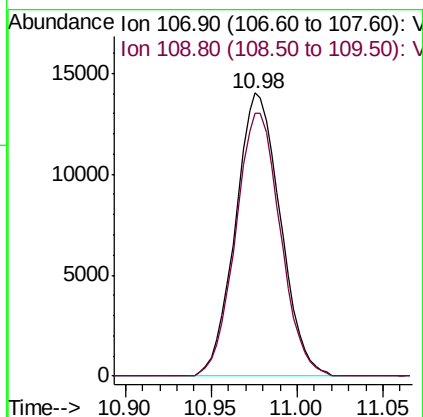
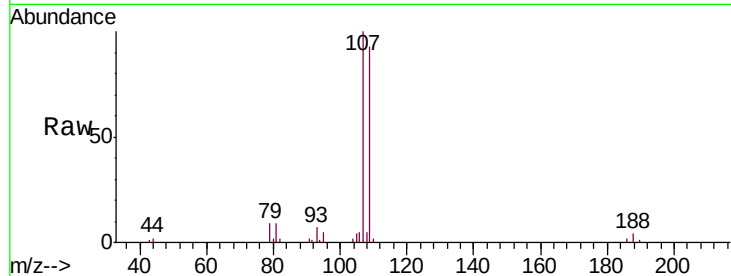




#61
 1,2-Dibromoethane
 Concen: 19.321 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

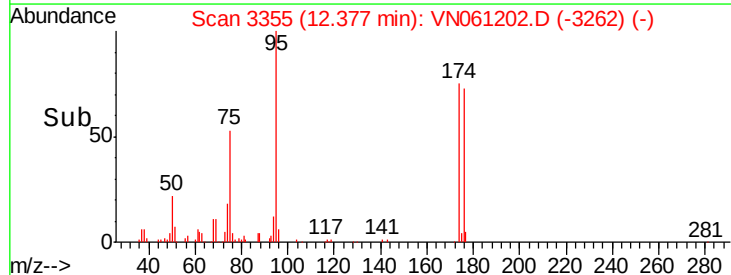
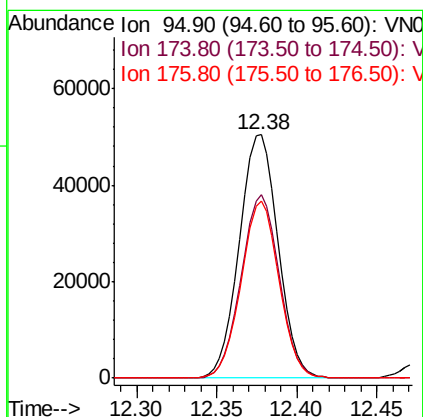
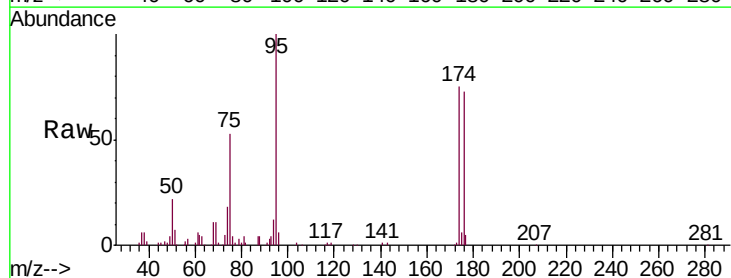
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

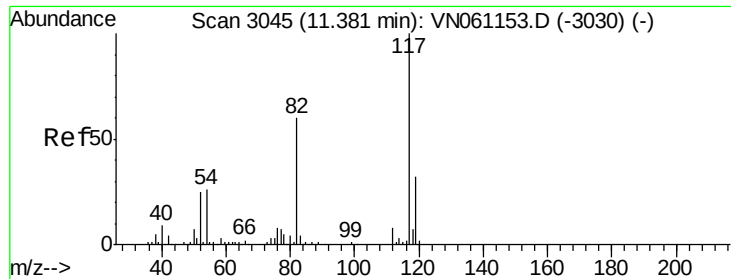
Tgt Ion: 107 Resp: 25358
 Ion Ratio Lower Upper
 107 100
 109 92.7 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 50.318 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion: 95 Resp: 83418
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 149.4
 176 71.1 0.0 144.8

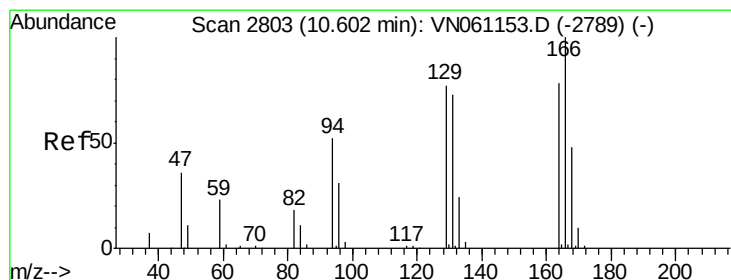
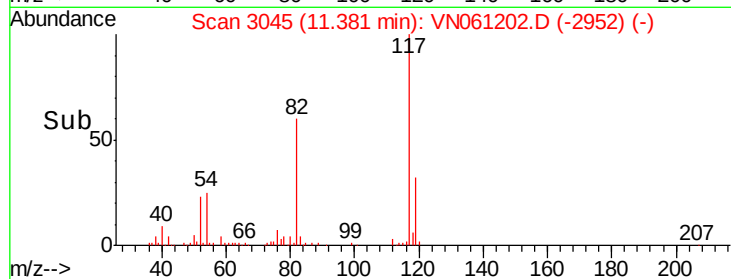
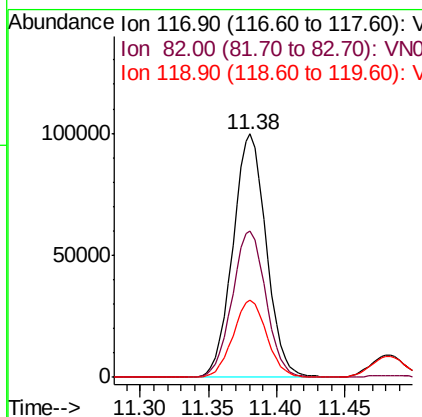
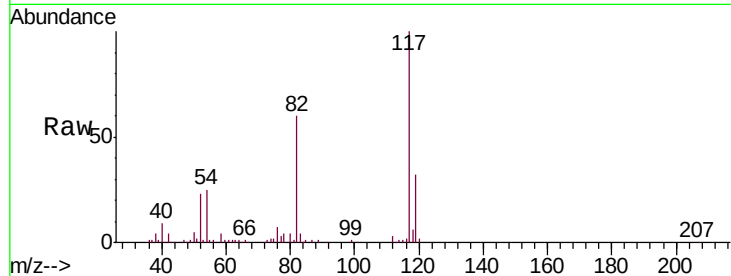




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

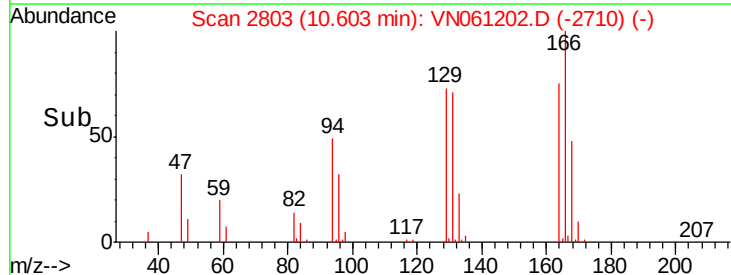
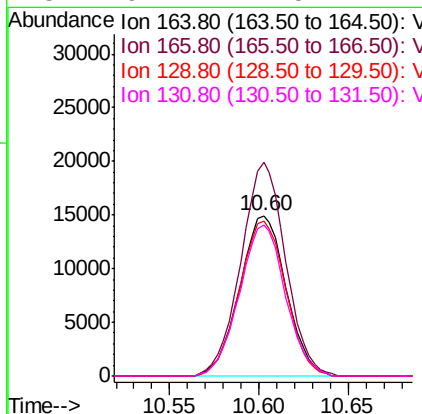
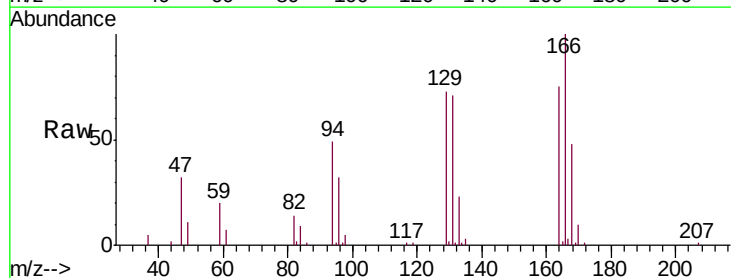
Instrument :
MSVOA_N
ClientSampled :
VN0430WBSD01

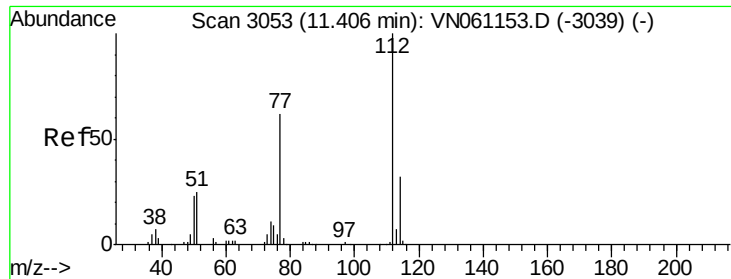
Tgt Ion:117 Resp: 169569
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 18.463 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion:164 Resp: 27115
Ion Ratio Lower Upper
164 100
166 133.0 102.0 153.0
129 96.9 78.2 117.2
131 94.2 74.5 111.7

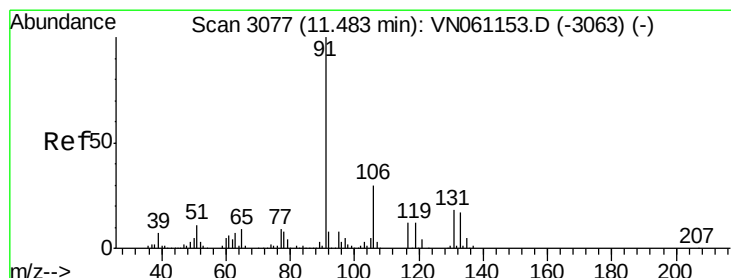
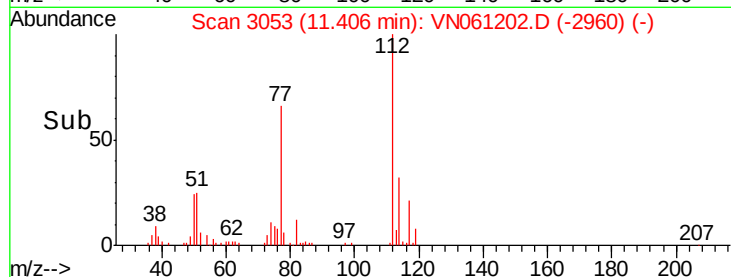
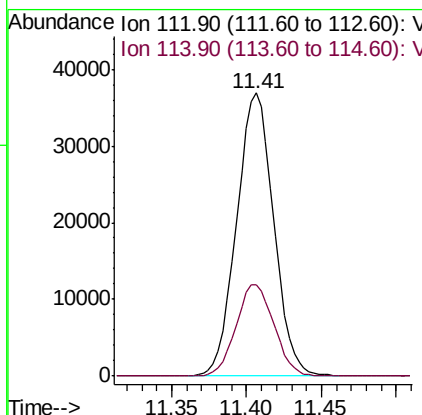
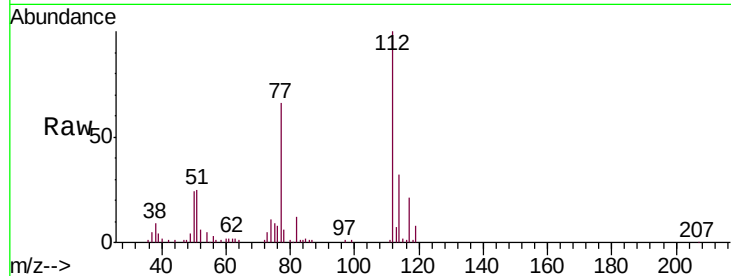




#65
Chlorobenzene
Concen: 18.935 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

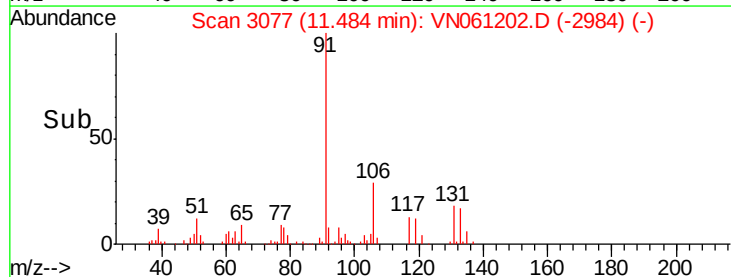
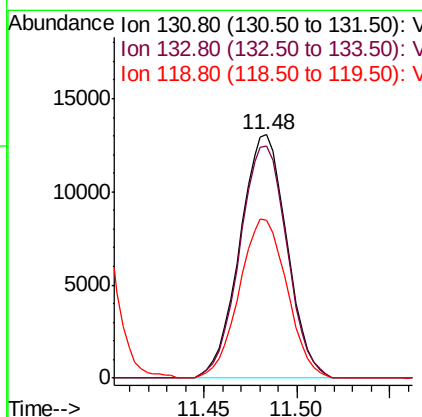
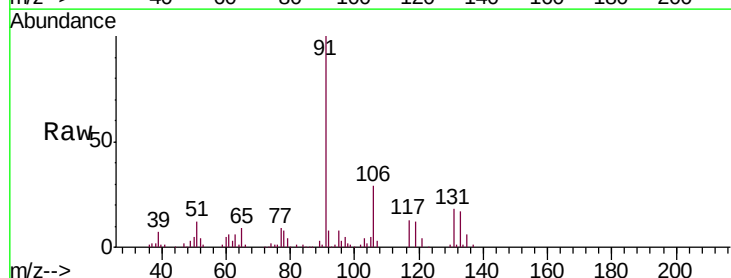
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

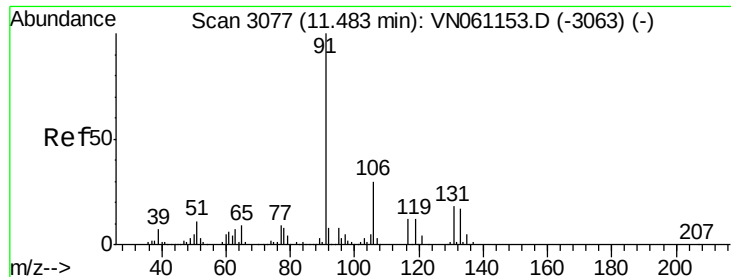
Tgt Ion:112 Resp: 63690
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.129 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion:131 Resp: 23029
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 66.1 32.6 97.8

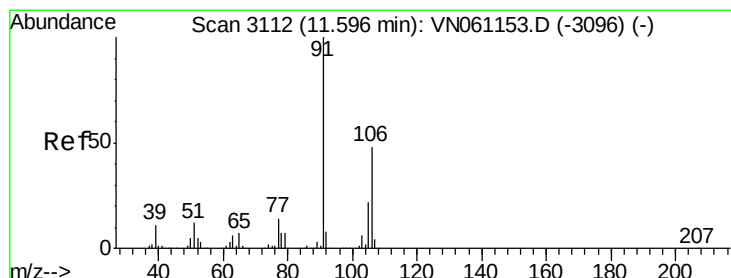
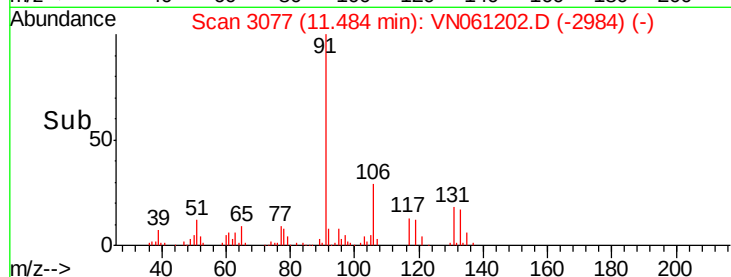
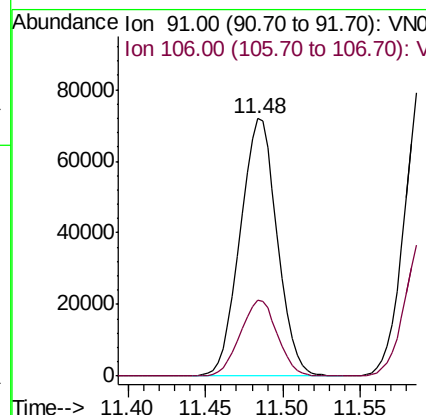
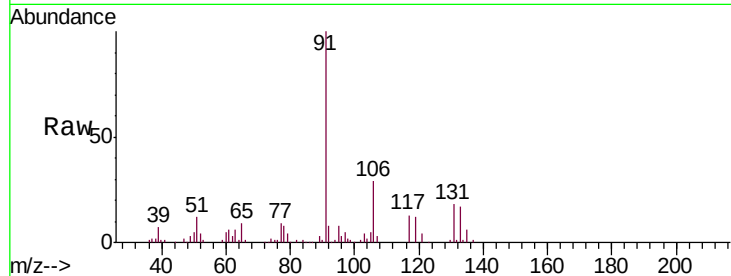




#67
Ethyl Benzene
Concen: 18.994 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

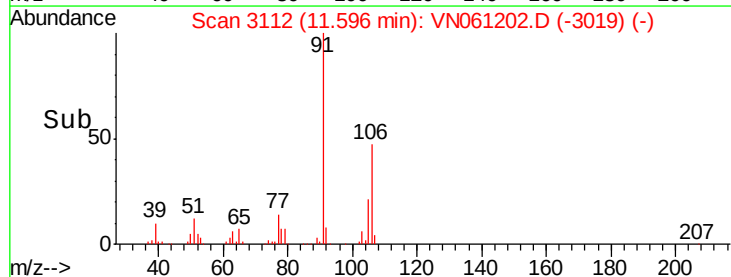
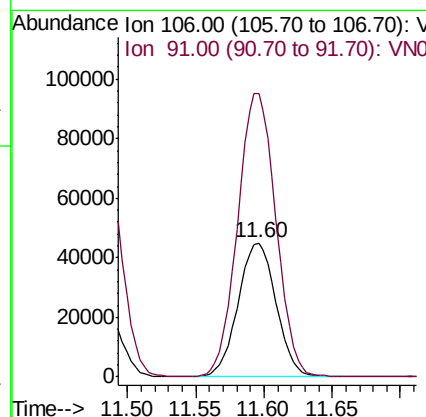
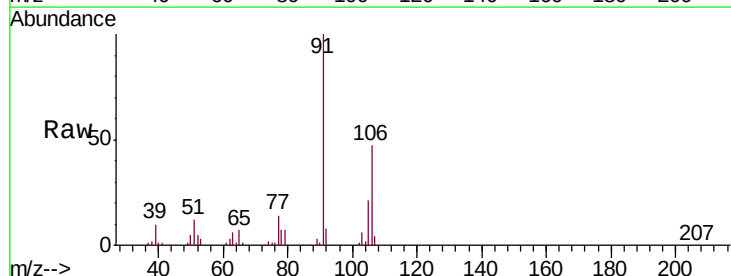
Instrument :
MSVOA_N
ClientSampled :
VN0430WBSD01

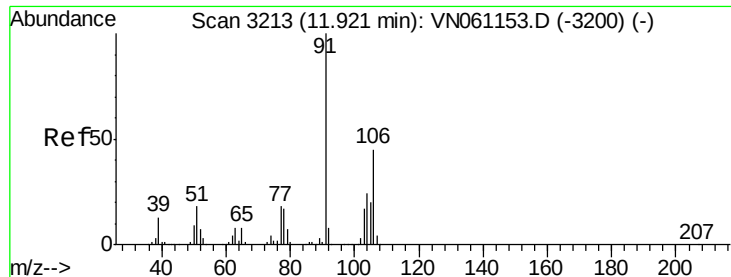
Tgt Ion: 91 Resp: 119603
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.6



#68
m/p-Xylenes
Concen: 37.695 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 106 Resp: 86879
Ion Ratio Lower Upper
106 100
91 213.3 166.4 249.6

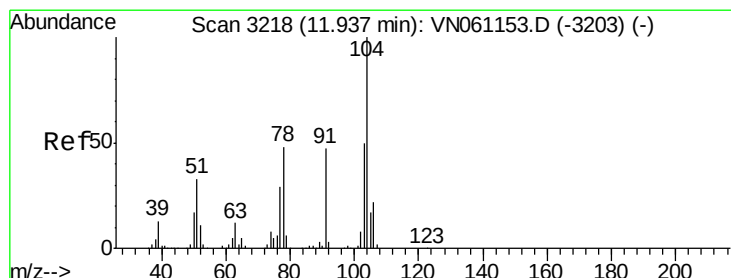
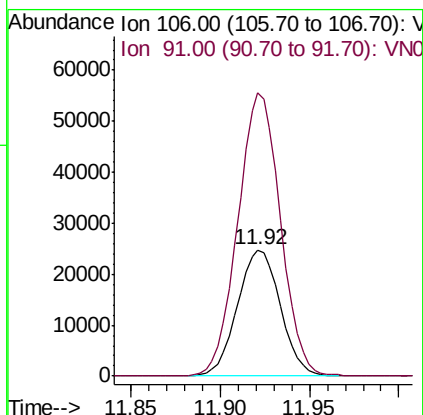
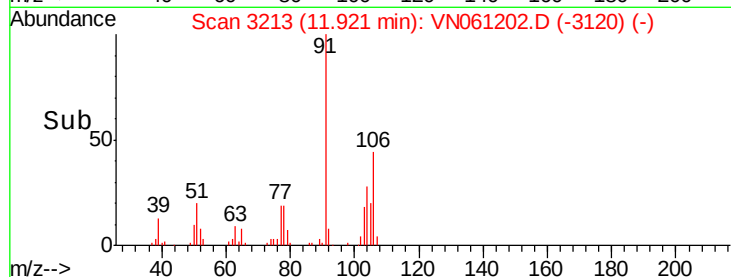
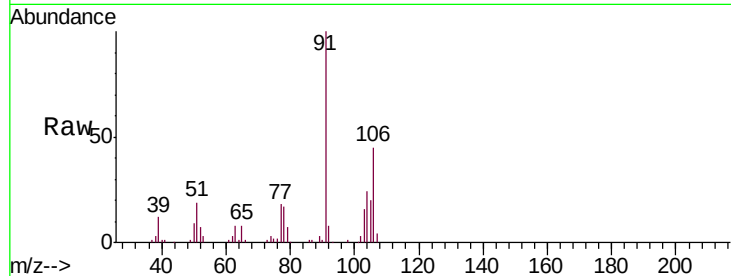




#69
o-Xylene
Concen: 18.649 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

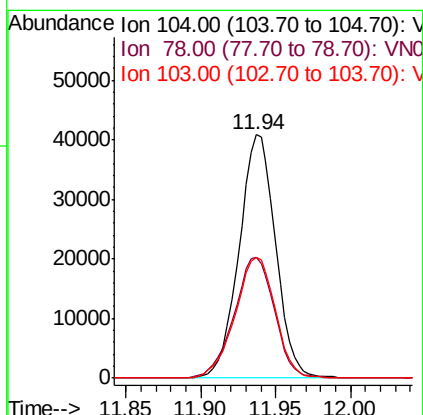
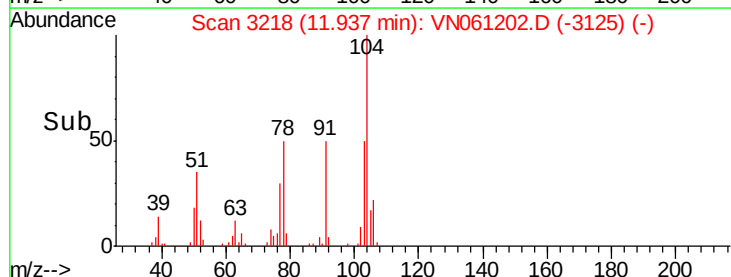
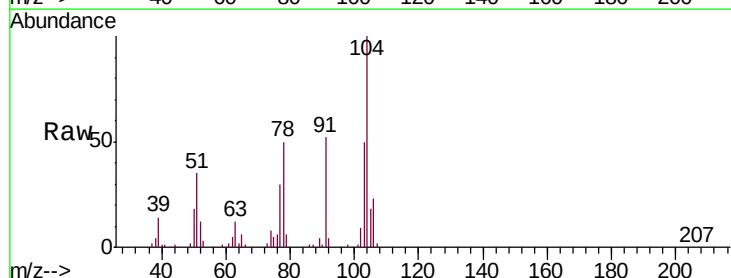
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

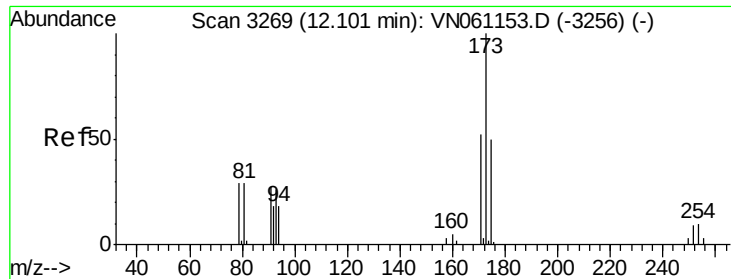
Tgt Ion:106 Resp: 41288
Ion Ratio Lower Upper
106 100
91 223.9 109.7 329.0



#70
Styrene
Concen: 18.759 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion:104 Resp: 69509
Ion Ratio Lower Upper
104 100
78 54.7 42.1 63.1
103 54.5 43.3 64.9





#71

Bromoform

Concen: 19.042 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

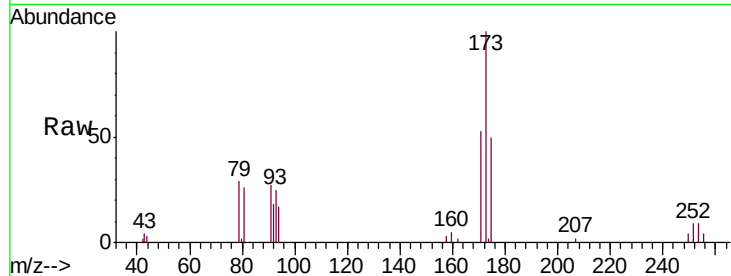
Tgt Ion:173 Resp: 16848

Ion Ratio Lower Upper

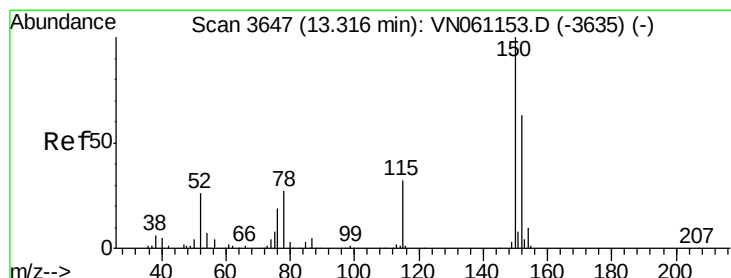
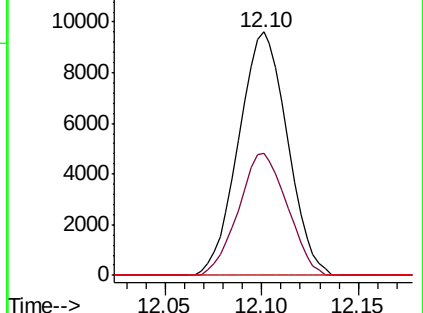
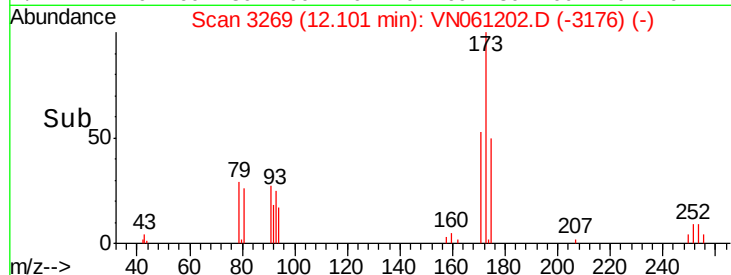
173 100

175 49.9 24.1 72.4

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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

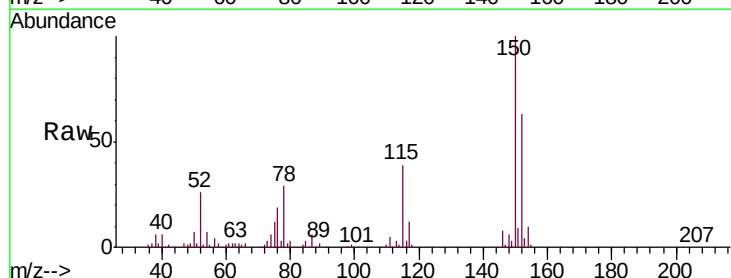
Tgt Ion:152 Resp: 79789

Ion Ratio Lower Upper

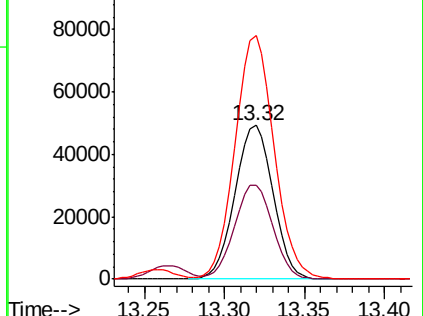
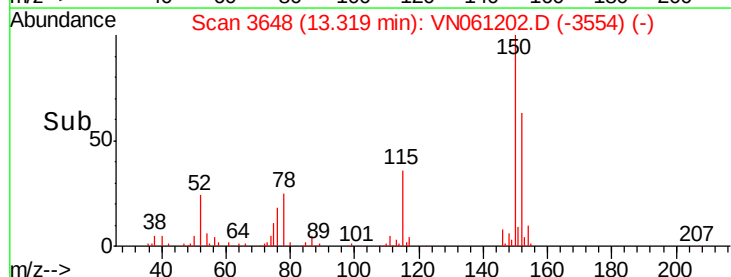
152 100

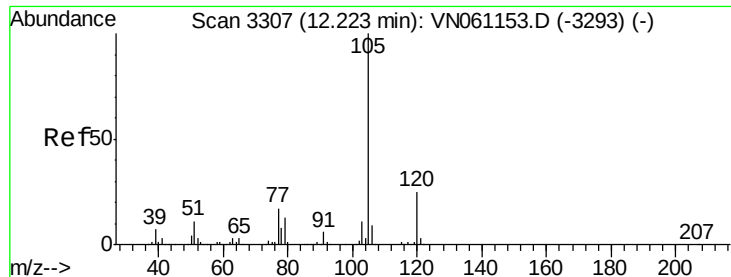
115 61.7 31.0 93.0

150 162.8 0.0 351.8



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: 19.160 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

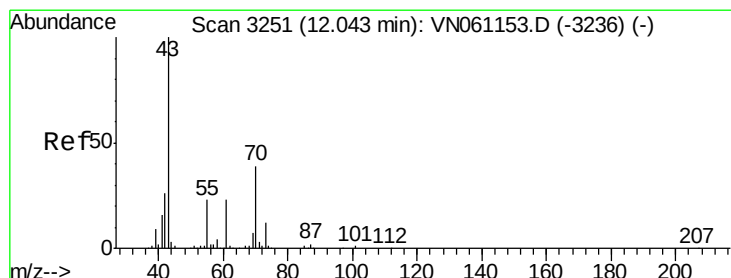
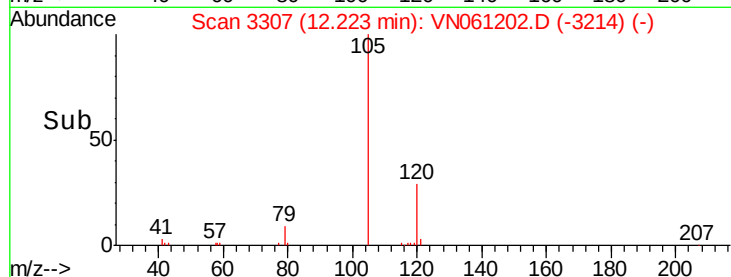
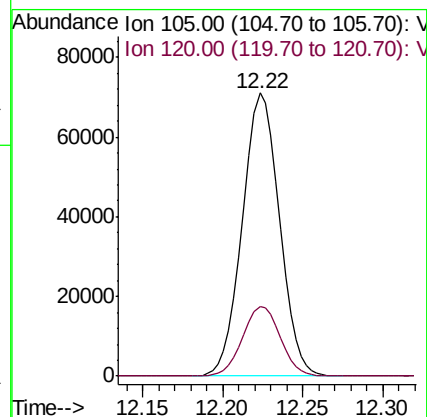
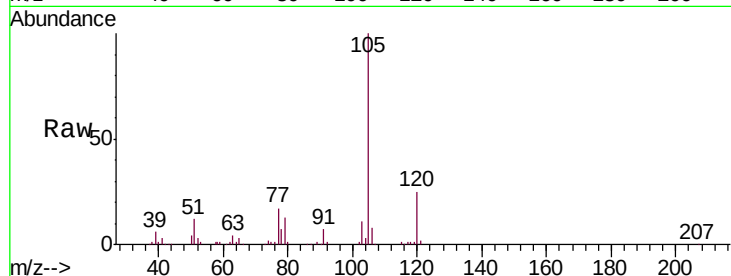
VN0430WBSD01

Tgt Ion: 105 Resp: 112384

Ion Ratio Lower Upper

105 100

120 25.0 12.6 37.8



#74

N-ethyl acetate

Concen: 19.058 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Tgt Ion: 43 Resp: 56608

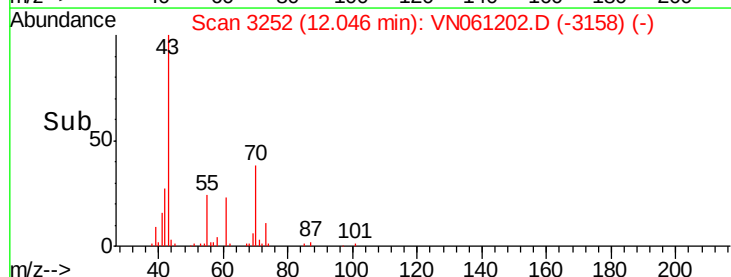
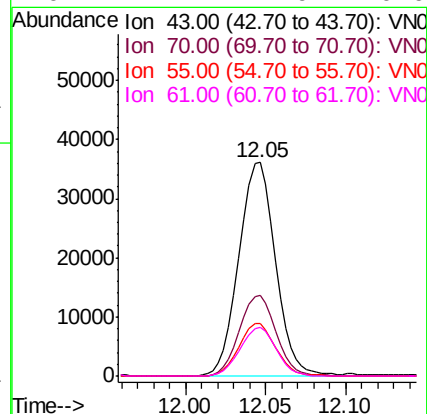
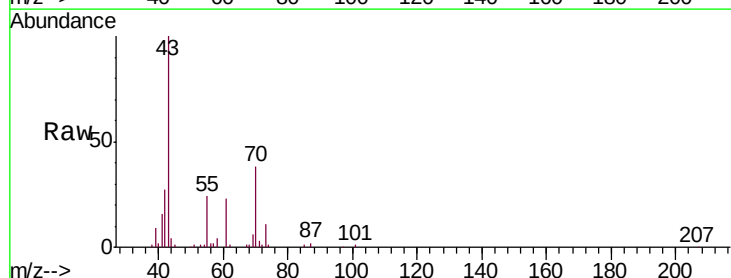
Ion Ratio Lower Upper

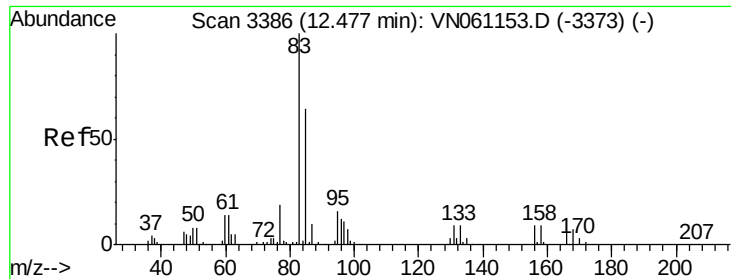
43 100

70 37.8 30.6 46.0

55 24.5 18.5 27.7

61 22.2 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.427 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

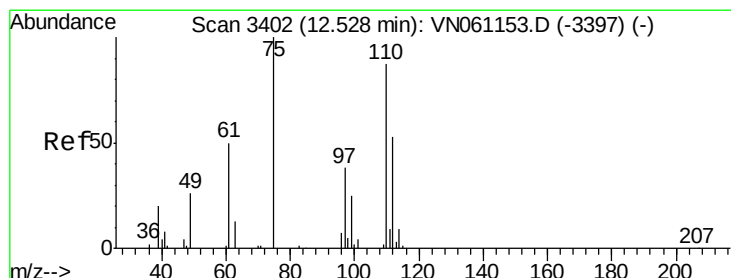
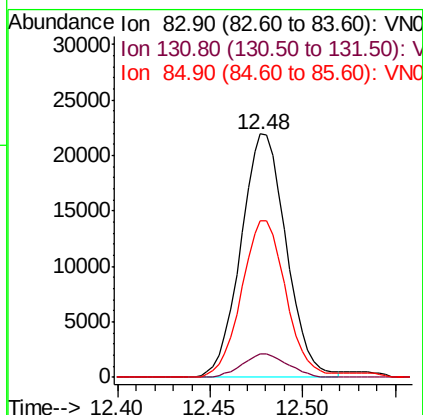
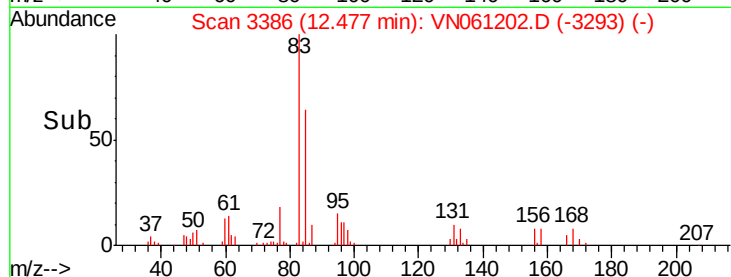
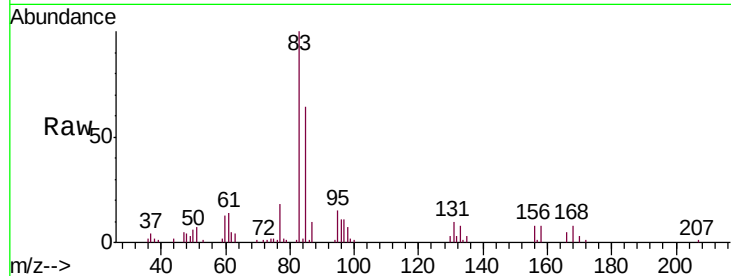
Tgt Ion: 83 Resp: 37361

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

85 63.4 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 29.565 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061202.D

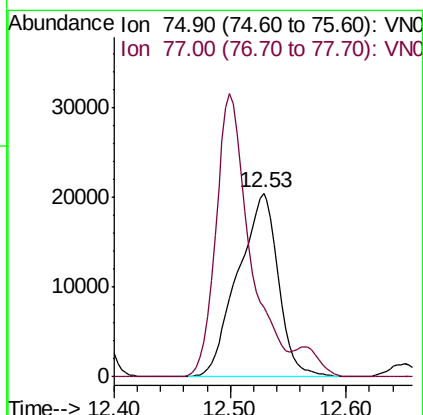
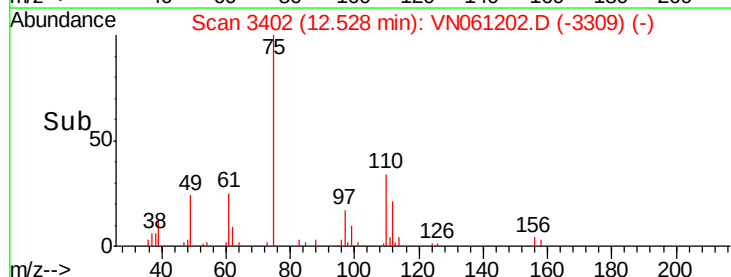
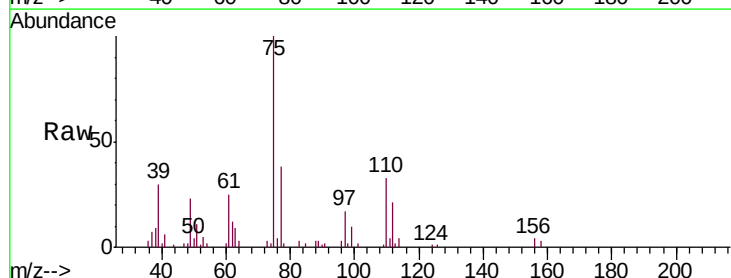
Acq: 30 Apr 2020 15:32

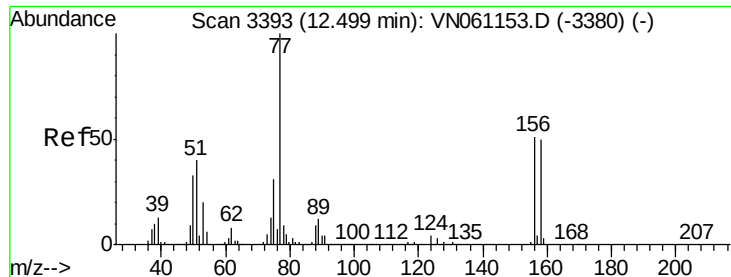
Tgt Ion: 75 Resp: 49733

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.253 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

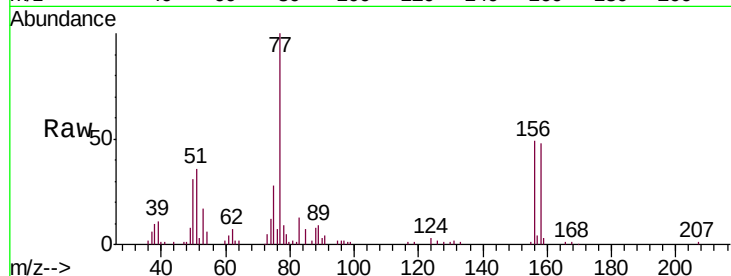
Tgt Ion:156 Resp: 26070

Ion Ratio Lower Upper

156 100

77 246.6 117.4 352.2

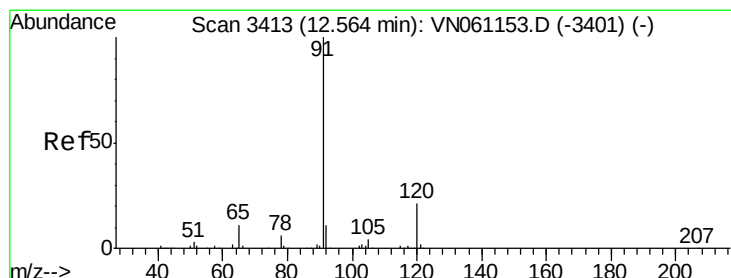
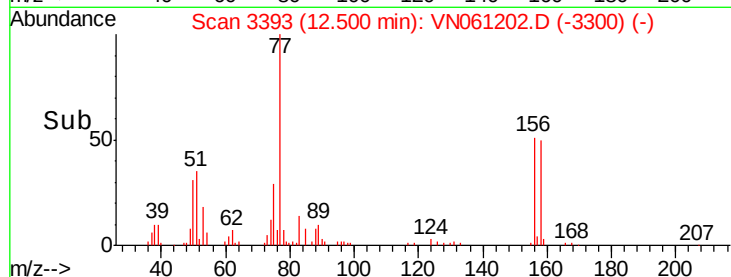
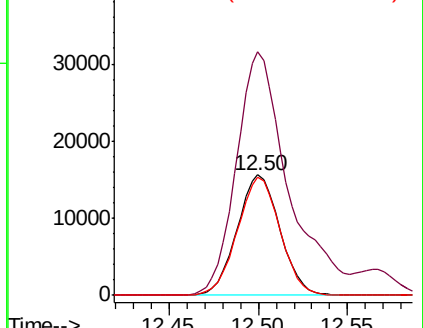
158 97.3 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.320 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061202.D

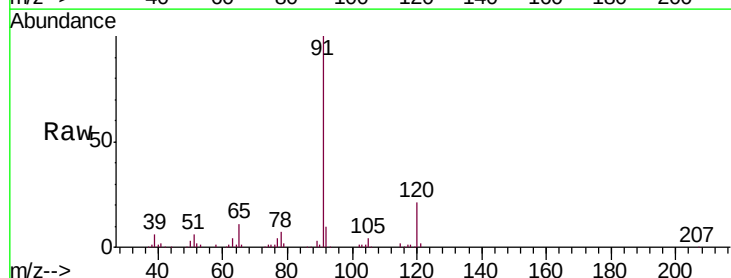
Acq: 30 Apr 2020 15:32

Tgt Ion: 91 Resp: 134415

Ion Ratio Lower Upper

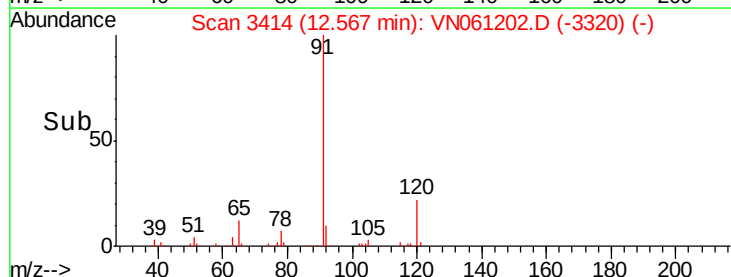
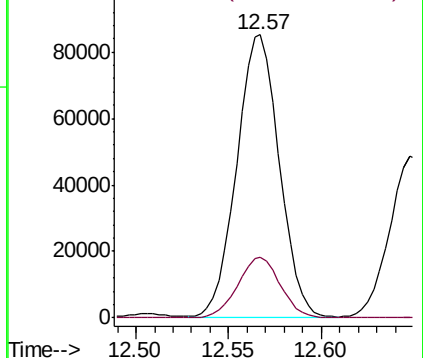
91 100

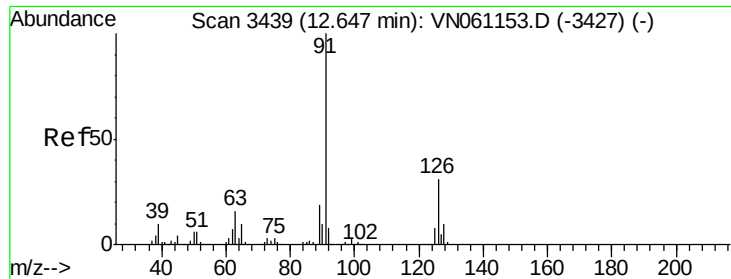
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

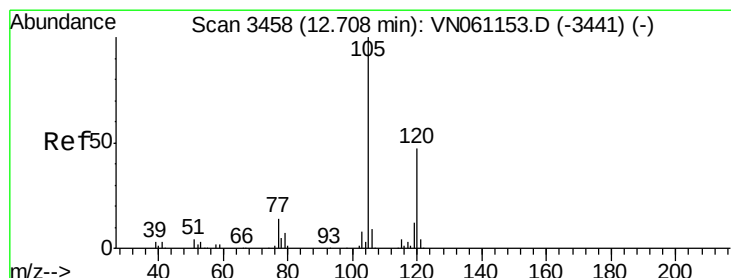
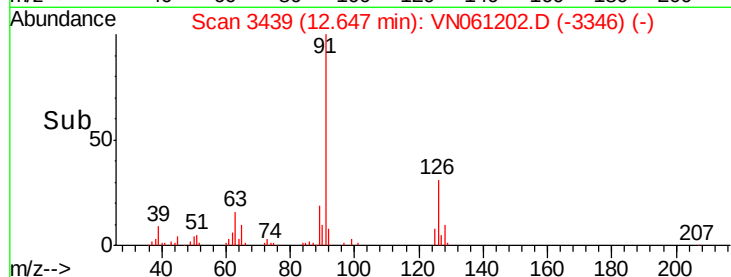
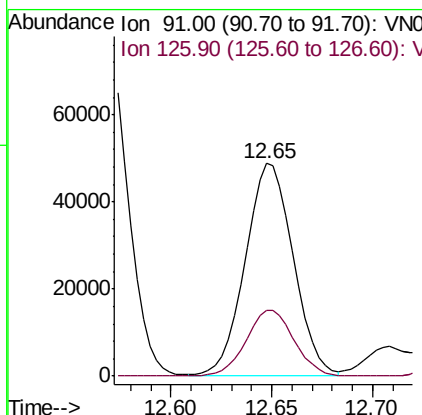
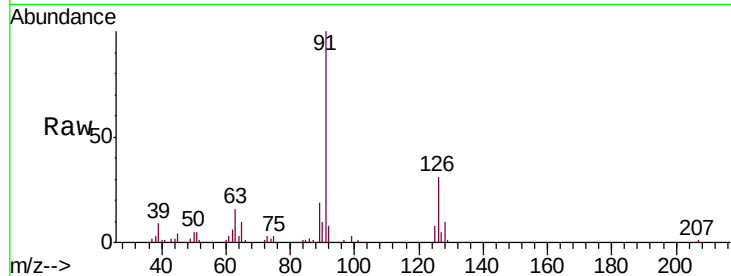




#79
 2-Chlorotoluene
 Concen: 19.749 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

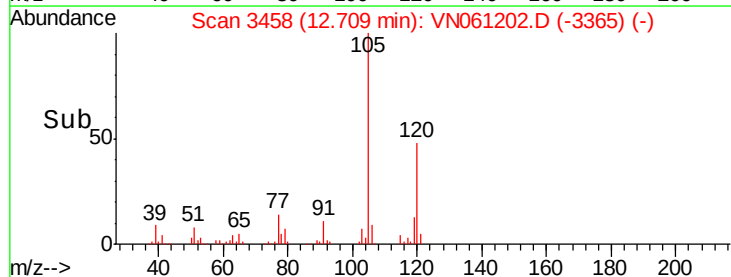
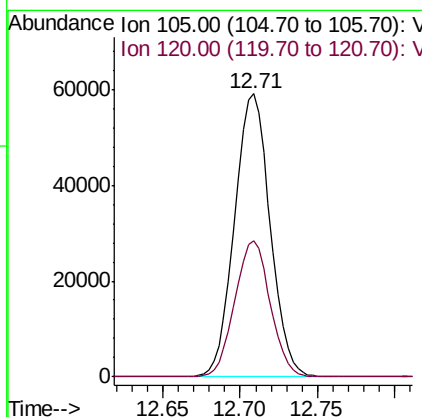
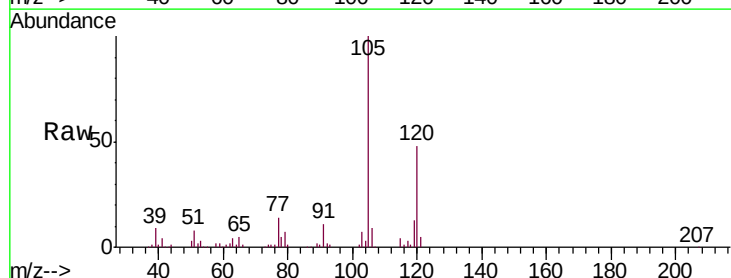
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

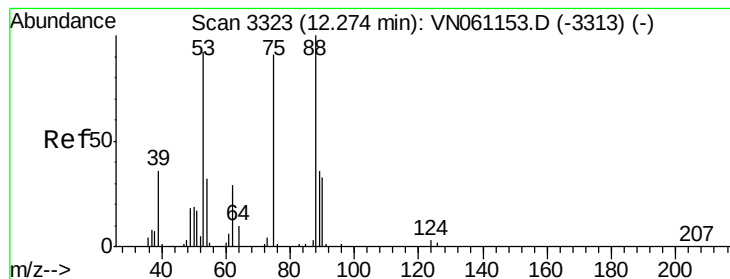
Tgt Ion: 91 Resp: 80760
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.402 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion: 105 Resp: 94194
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.951 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

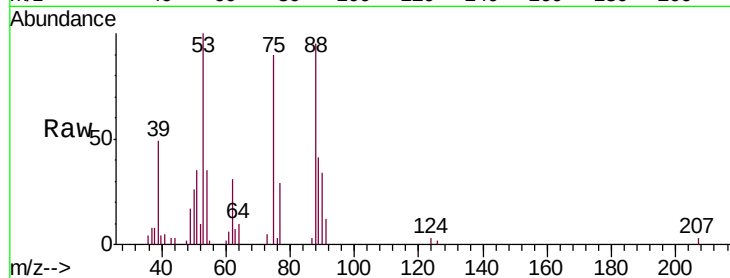
Tgt Ion: 75 Resp: 12553

Ion Ratio Lower Upper

75 100

53 108.2 84.1 126.1

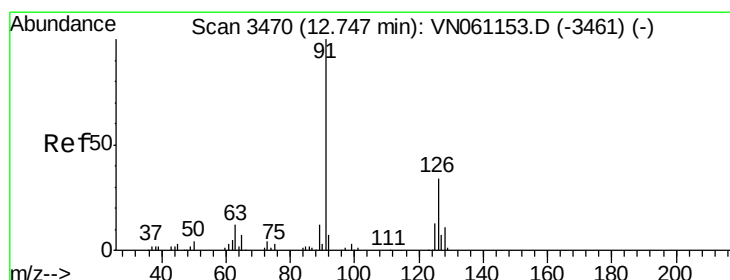
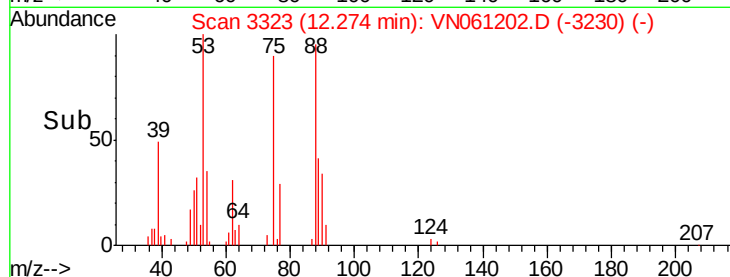
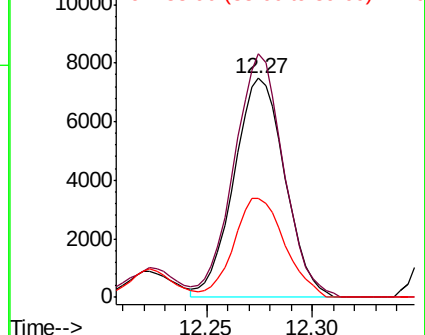
89 45.1 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.717 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061202.D

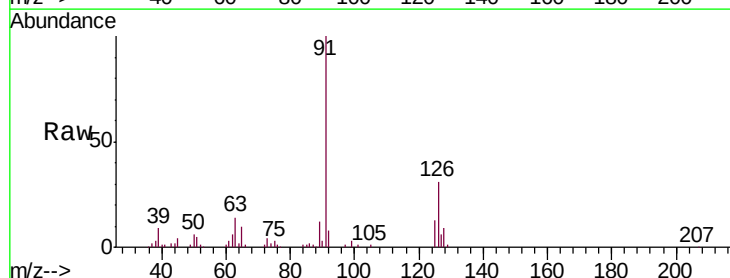
Acq: 30 Apr 2020 15:32

Tgt Ion: 91 Resp: 84981

Ion Ratio Lower Upper

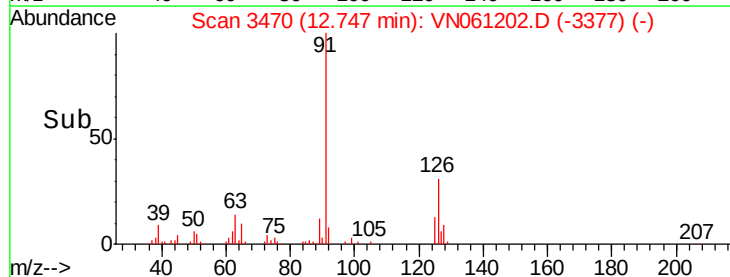
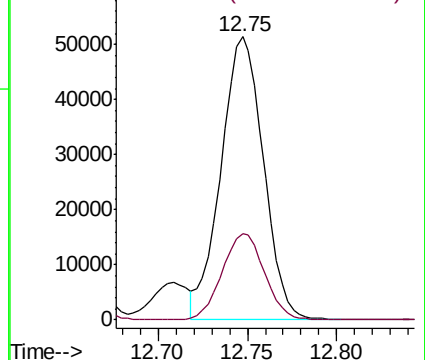
91 100

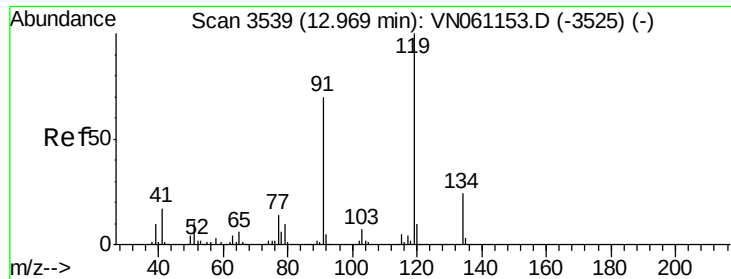
126 30.4 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

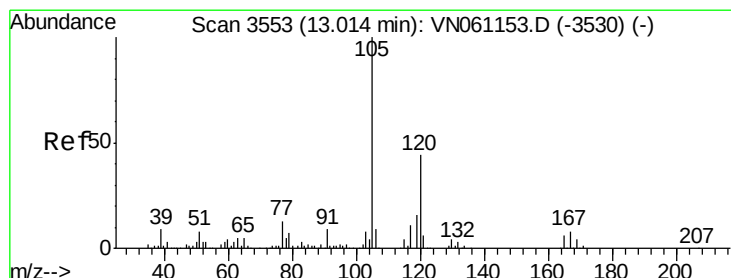
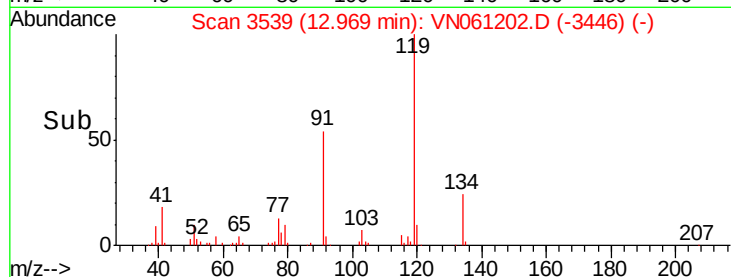
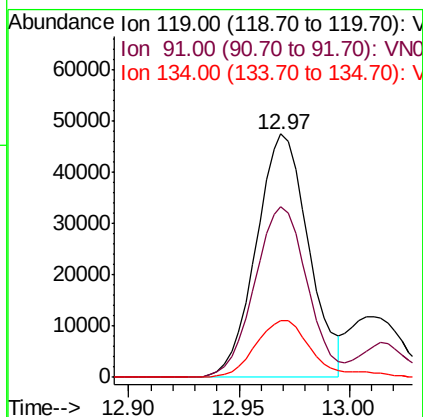
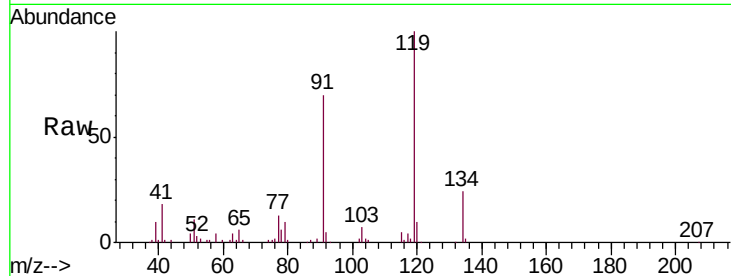




#83
 tert-Butylbenzene
 Concen: 19.060 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

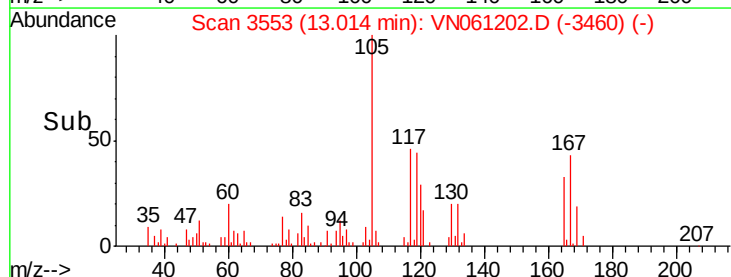
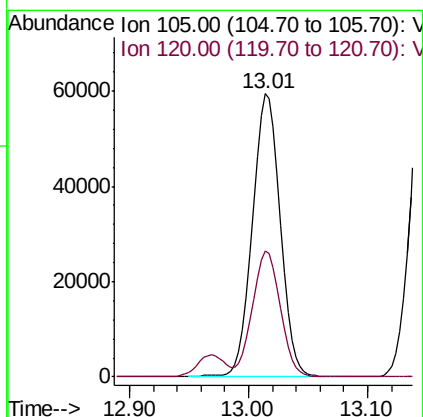
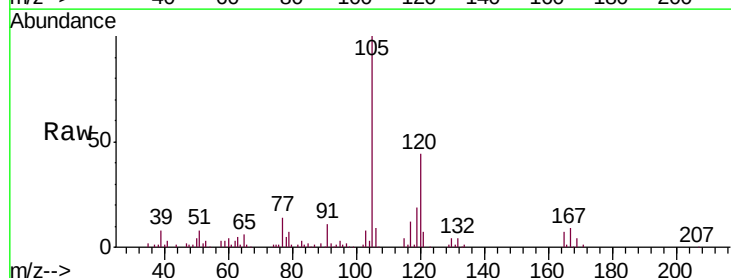
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

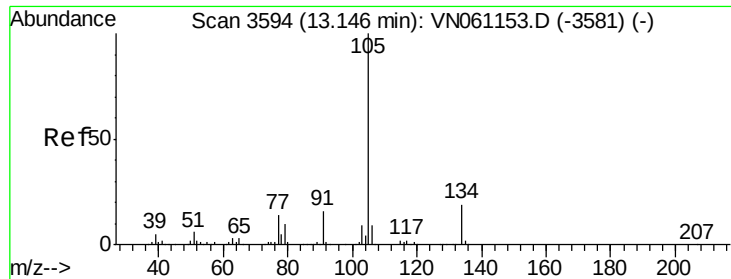
Tgt Ion:119 Resp: 78025
 Ion Ratio Lower Upper
 119 100
 91 70.5 34.8 104.4
 134 25.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.275 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion:105 Resp: 96411
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.995 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

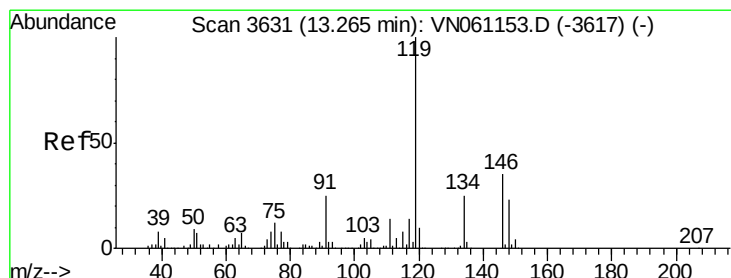
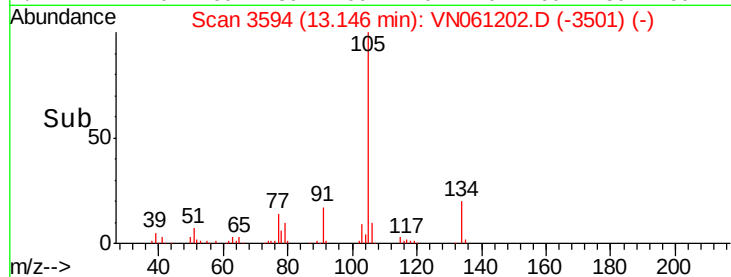
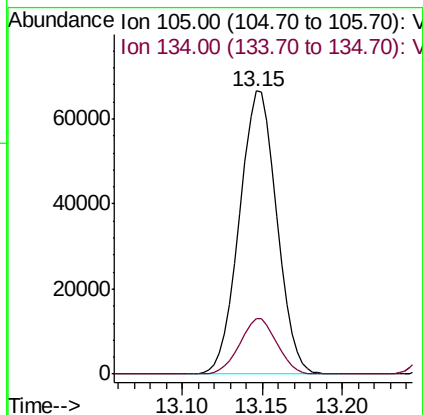
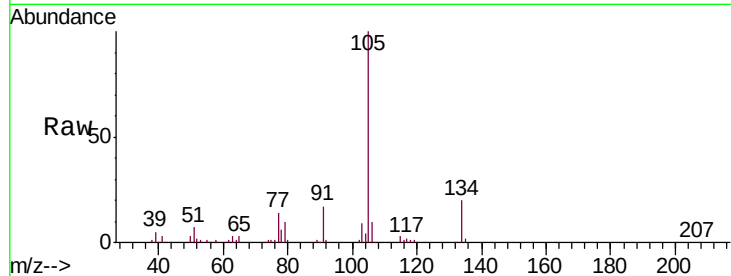
VN0430WBSD01

Tgt Ion:105 Resp: 106014

Ion Ratio Lower Upper

105 100

134 19.3 9.6 28.8



#86

p-Isopropyltoluene

Concen: 18.936 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

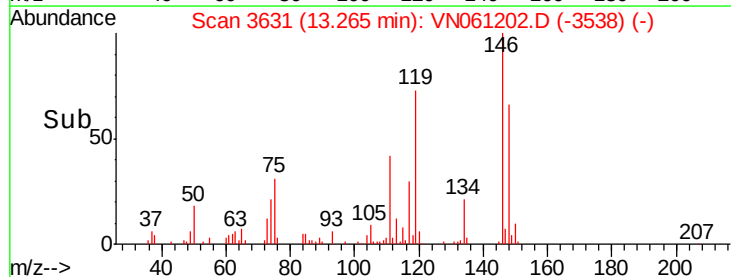
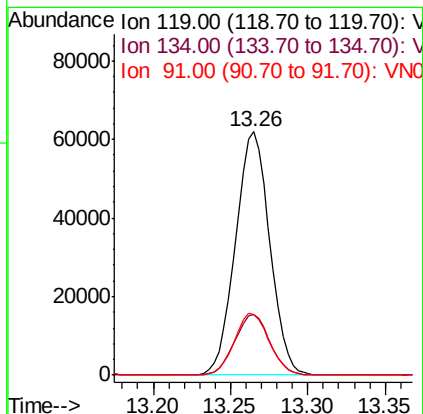
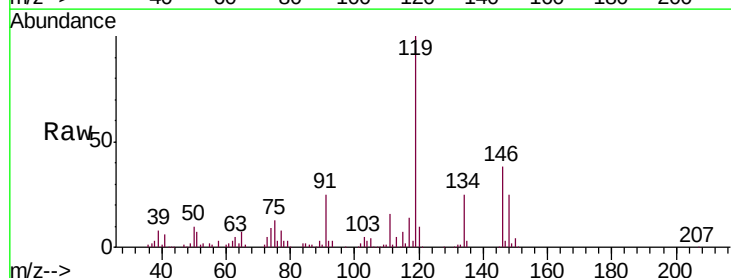
Tgt Ion:119 Resp: 95218

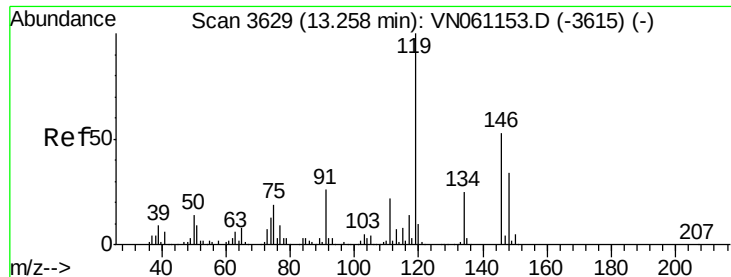
Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.6

91 25.8 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 19.245 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VN0430WBSD01

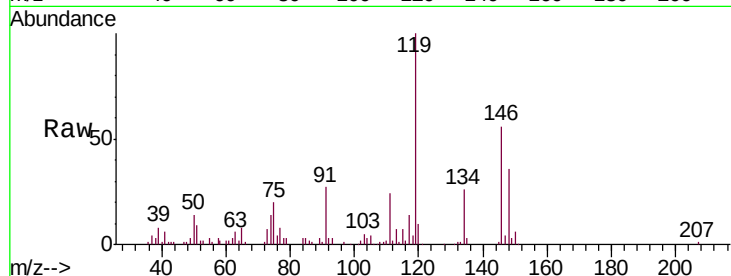
Tgt Ion:146 Resp: 47973

Ion Ratio Lower Upper

146 100

111 42.6 20.7 62.1

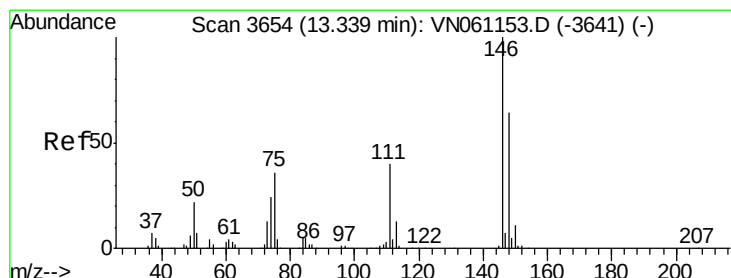
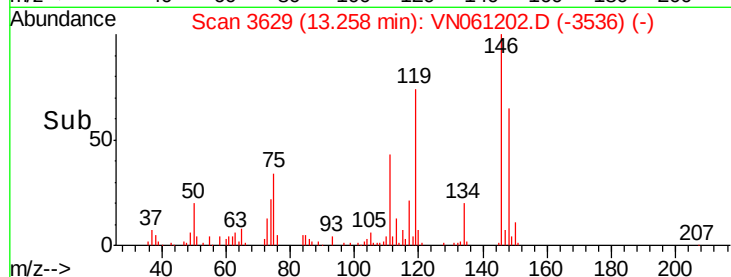
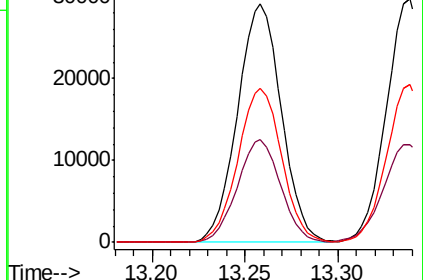
148 64.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.952 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061202.D

Acq: 30 Apr 2020 15:32

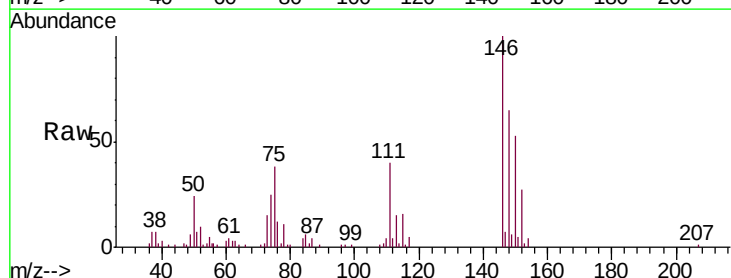
Tgt Ion:146 Resp: 48270

Ion Ratio Lower Upper

146 100

111 43.0 20.4 61.3

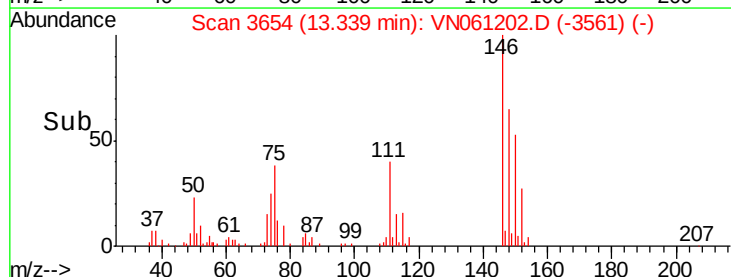
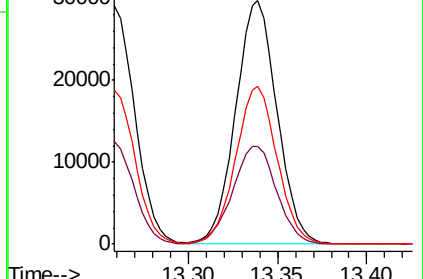
148 64.9 31.9 95.7

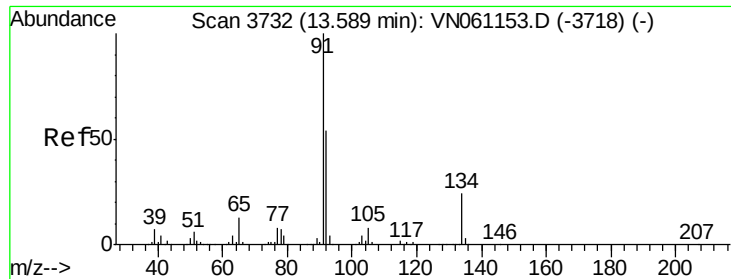


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

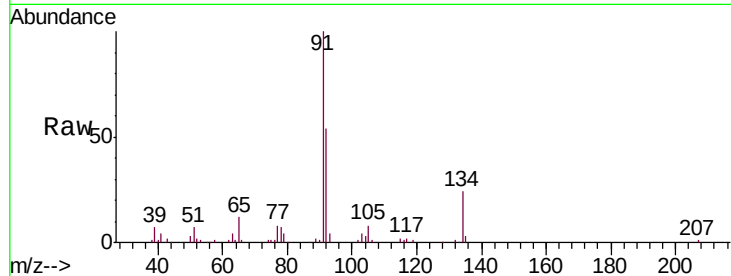




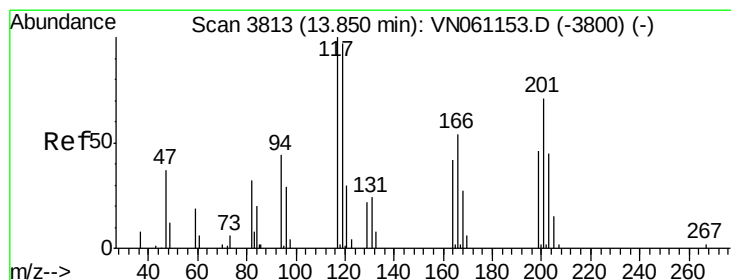
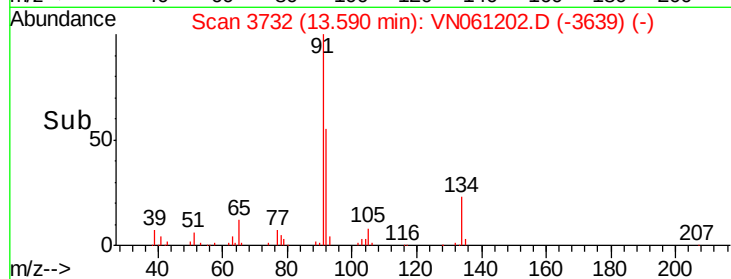
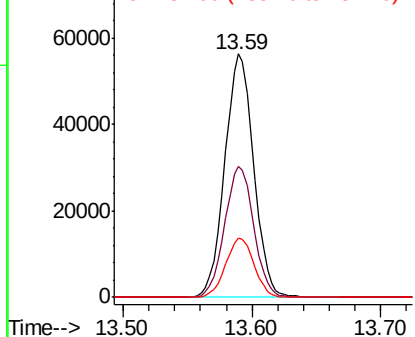
#89
n-Butylbenzene
Concen: 18.919 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Instrument :
MSVOA_N
ClientSampled :
VN0430WBSD01

Tgt Ion: 91 Resp: 87212
Ion Ratio Lower Upper
91 100
92 54.1 26.8 80.3
134 23.9 11.9 35.5

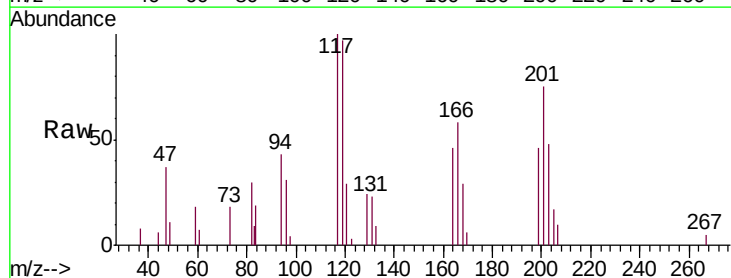


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

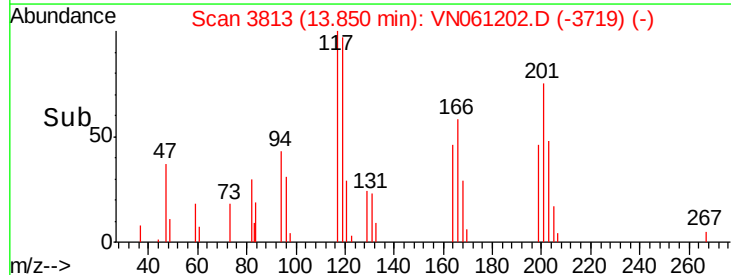
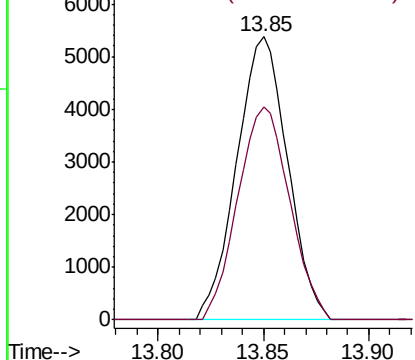


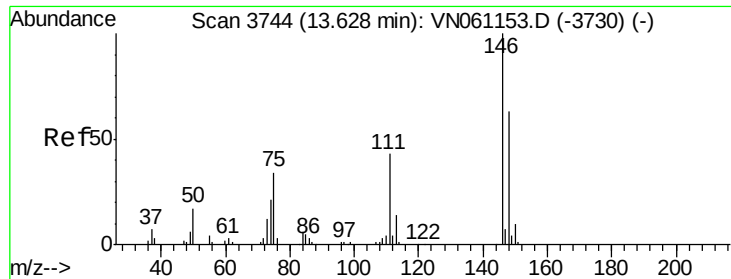
#90
Hexachloroethane
Concen: 22.181 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion: 117 Resp: 9008
Ion Ratio Lower Upper
117 100
201 76.8 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

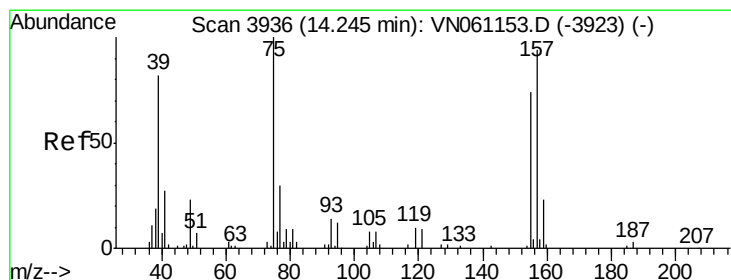
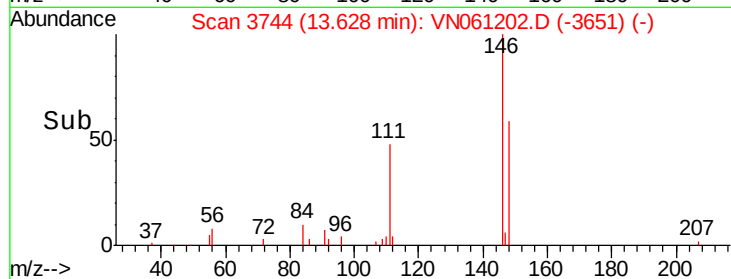
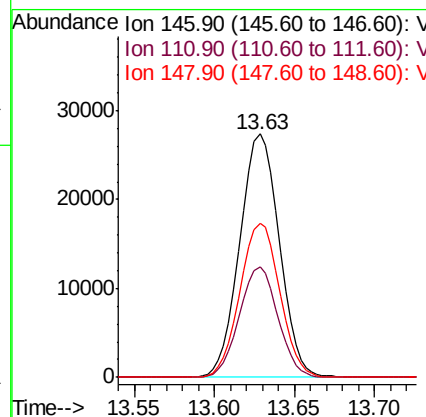
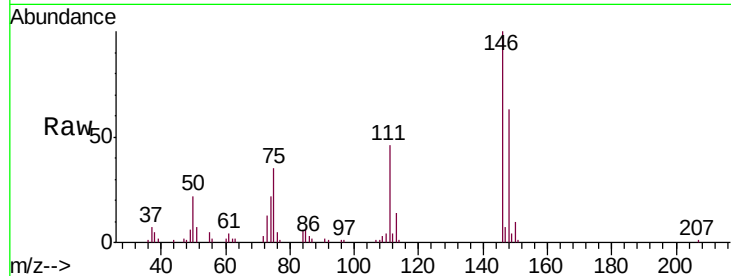




#91
 1,2-Dichlorobenzene
 Concen: 19.289 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

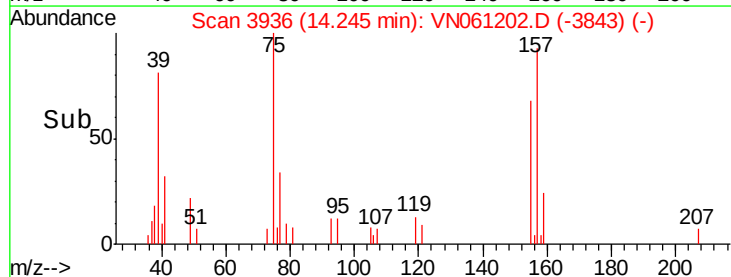
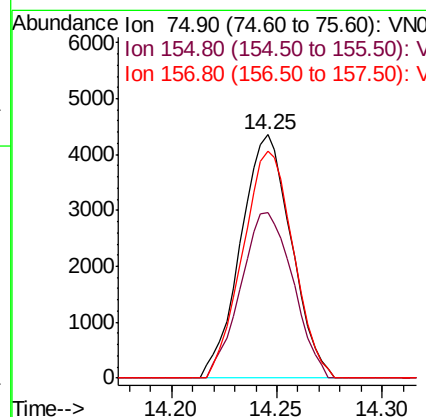
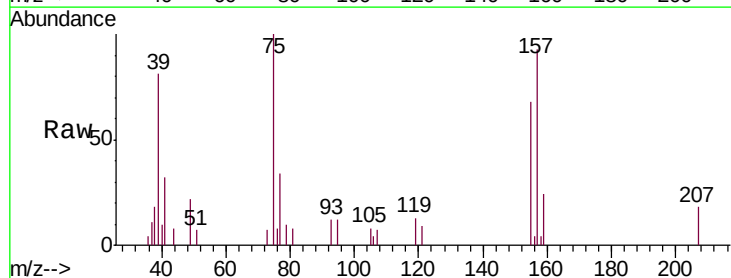
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

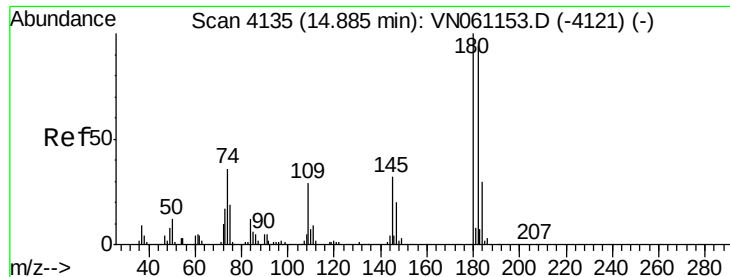
Tgt Ion: 146 Resp: 46102
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.8 65.3
 148 63.7 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.838 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion: 75 Resp: 7277
 Ion Ratio Lower Upper
 75 100
 155 69.9 36.5 109.7
 157 93.1 46.6 139.7

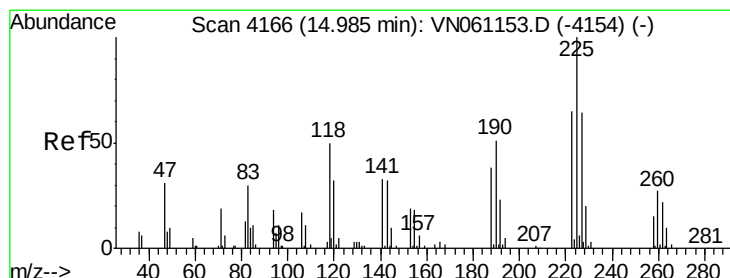
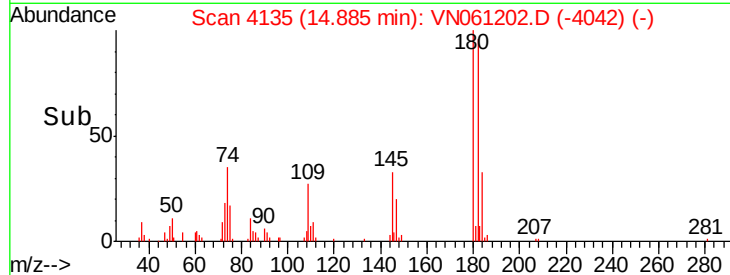
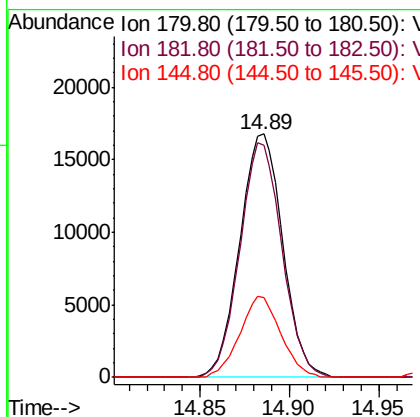
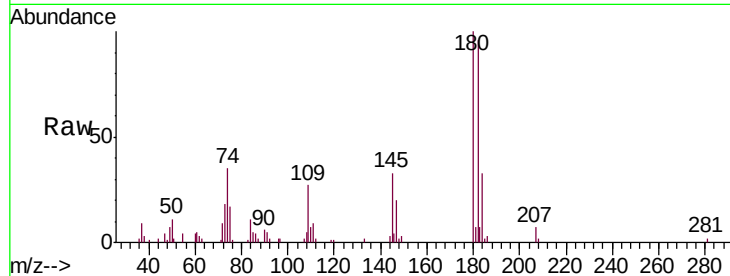




#93
 1,2,4-Trichlorobenzene
 Concen: 19.369 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

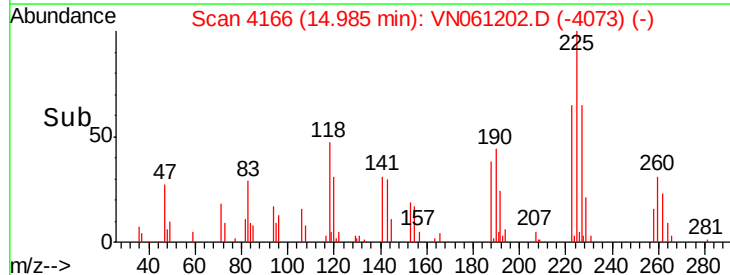
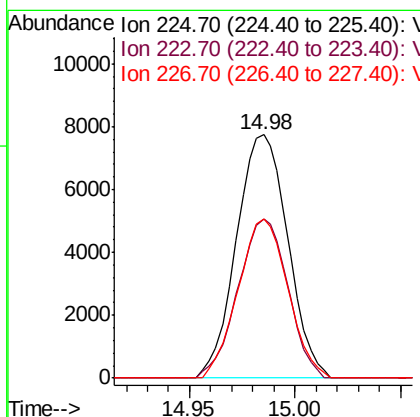
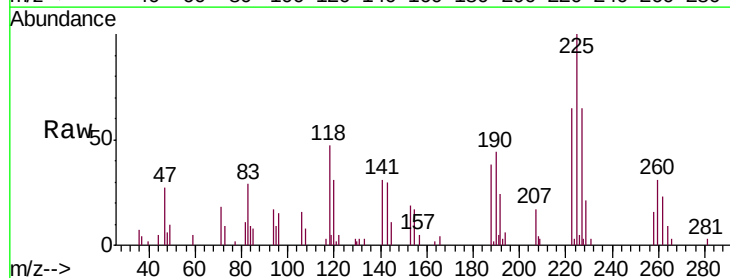
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

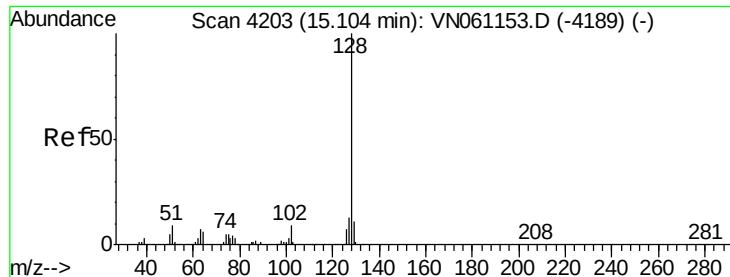
Tgt Ion:180 Resp: 28190
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.3 141.9
 145 31.4 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 21.527 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061202.D
 Acq: 30 Apr 2020 15:32

Tgt Ion:225 Resp: 13089
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.4 97.0
 227 63.3 32.4 97.0

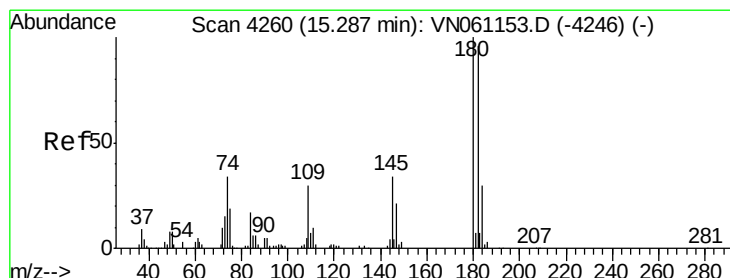
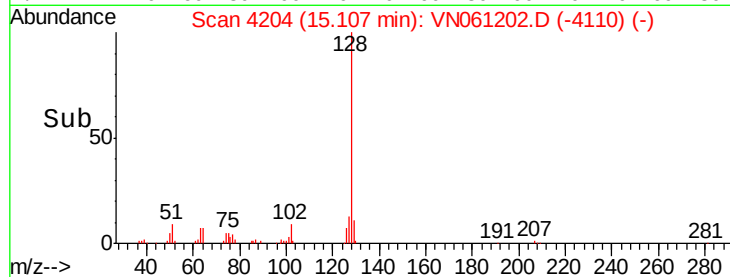
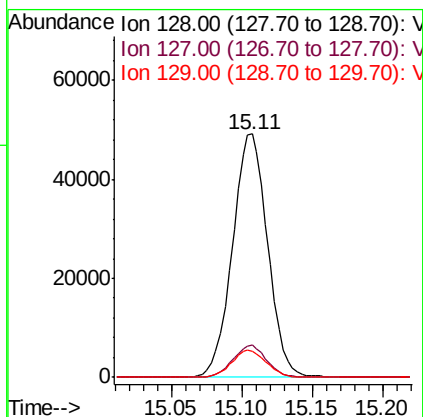
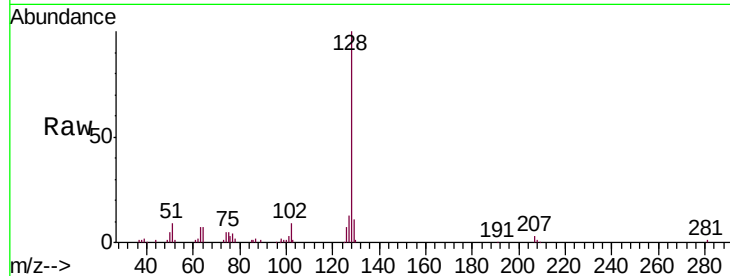




#95
Naphthalene
Concen: 18.043 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBSD01

Tgt Ion:128 Resp: 85525
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.531 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061202.D
Acq: 30 Apr 2020 15:32

Tgt Ion:180 Resp: 28065
Ion Ratio Lower Upper
180 100
182 93.9 47.5 142.5
145 32.6 16.9 50.7

