

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060468.D
 Acq On : 12 Mar 2020 11:01
 Operator : JC/MD
 Sample : VN0312WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Quant Time: Mar 13 02:01:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	181918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	297243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130076	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	116755	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.56	113	87406	63.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.70%	
50) Toluene-d8	10.08	98	332331	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	125725	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	25571	15.33	ug/l	99
3) Chloromethane	2.04	50	47608	16.39	ug/l	98
4) Vinyl Chloride	2.16	62	38315	15.39	ug/l	99
5) Bromomethane	2.55	94	17127	15.42	ug/l	98
6) Chloroethane	2.68	64	22529	16.70	ug/l	100
7) Trichlorofluoromethane	3.00	101	52803	16.60	ug/l	100
8) Diethyl Ether	3.38	74	22406	18.65	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	31942	17.74	ug/l	98
10) Methyl Iodide	3.92	142	23205	14.12	ug/l	100
11) Tert butyl alcohol	4.72	59	33973	98.03	ug/l	99
12) 1,1-Dichloroethene	3.71	96	30128	17.19	ug/l	93
13) Acrolein	3.57	56	33510	103.64	ug/l	100
14) Allyl chloride	4.29	41	60041	18.63	ug/l	99
15) Acrylonitrile	4.94	53	94214	103.13	ug/l	99
16) Acetone	3.78	43	78218	103.77	ug/l	99
17) Carbon Disulfide	4.03	76	72113	15.06	ug/l	99
18) Methyl Acetate	4.29	43	49823	19.81	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	122891	19.37	ug/l	100
20) Methylene Chloride	4.52	84	37243	17.99	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	33191	17.40	ug/l	96
22) Diisopropyl ether	5.91	45	132294	20.27	ug/l	98
23) Vinyl Acetate	5.86	43	517034	99.68	ug/l	99
24) 1,1-Dichloroethane	5.82	63	71040	19.23	ug/l	99
25) 2-Butanone	6.80	43	125293	102.91	ug/l	99
26) 2,2-Dichloropropane	6.79	77	61286	18.22	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	41682	17.37	ug/l	98
28) Bromochloromethane	7.17	49	31078	20.49	ug/l	95
29) Tetrahydrofuran	7.18	42	85127	100.55	ug/l	98
30) Chloroform	7.34	83	70275	19.11	ug/l	99
31) Cyclohexane	7.63	56	59934	18.15	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	58967	18.09	ug/l	99
36) 1,1-Dichloropropene	7.77	75	48532	17.13	ug/l	98
37) Ethyl Acetate	6.89	43	54307	20.25	ug/l	99
38) Carbon Tetrachloride	7.75	117	46918	17.01	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	54650	16.36	ug/l	97
40) Benzene	8.02	78	151135	18.33	ug/l	99
41) Methacrylonitrile	7.18	41	78651	63.50	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	56863	19.11	ug/l	99
43) Isopropyl Acetate	8.14	43	94641	20.15	ug/l	99
44) Trichloroethene	8.81	130	40592	17.68	ug/l	99
45) 1,2-Dichloropropane	9.10	63	43747	20.29	ug/l	98
46) Dibromomethane	9.19	93	26132	18.68	ug/l	99
47) Bromodichloromethane	9.38	83	54694	19.23	ug/l	97
48) Methyl methacrylate	9.18	41	39916	18.64	ug/l	99
49) 1,4-Dioxane	9.18	88	11737	389.75	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	272846	102.48	ug/l	99
52) Toluene	10.14	92	94706	18.29	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64477	18.50	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	68068	18.84	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39838	19.13	ug/l	99
56) Ethyl methacrylate	10.42	69	56654	18.93	ug/l	96
57) 1,3-Dichloropropane	10.70	76	67138	19.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	157816	100.84	ug/l	98
59) 2-Hexanone	10.74	43	192591	98.52	ug/l	99
60) Dibromochloromethane	10.89	129	41076	19.39	ug/l	99
61) 1,2-Dibromoethane	10.99	107	38602	19.01	ug/l	98
64) Tetrachloroethene	10.62	164	39781	17.35	ug/l	98
65) Chlorobenzene	11.43	112	99212	17.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	38151	18.48	ug/l	97
67) Ethyl Benzene	11.50	91	182543	17.96	ug/l	99
68) m/p-Xylenes	11.61	106	134649	35.11	ug/l	100
69) o-Xylene	11.94	106	65489	17.91	ug/l	99
70) Styrene	11.96	104	105748	17.59	ug/l	99
71) Bromoform	12.12	173	28139	18.92	ug/l #	98
73) Isopropylbenzene	12.24	105	176048	18.26	ug/l	99
74) N-amyl acetate	12.06	43	79992	18.99	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54417	20.76	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	73109	25.62	ug/l #	100
77) Bromobenzene	12.52	156	42623	18.04	ug/l	96
78) n-propylbenzene	12.59	91	204971	18.14	ug/l	99
79) 2-Chlorotoluene	12.67	91	121409	18.28	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	147369	18.15	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20048	19.39	ug/l #	86
82) 4-Chlorotoluene	12.77	91	124233	17.75	ug/l	99
83) tert-Butylbenzene	12.99	119	125530	17.86	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	148651	18.14	ug/l	98
85) sec-Butylbenzene	13.17	105	167681	17.82	ug/l	99
86) p-Isopropyltoluene	13.28	119	151041	17.34	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	75998	18.60	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	75068	18.37	ug/l	98
89) n-Butylbenzene	13.61	91	135726	16.97	ug/l	99
90) Hexachloroethane	13.87	117	21079	16.72	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	74210	17.92	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10987	18.51	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46030	17.55	ug/l	99
94) Hexachlorobutadiene	15.01	225	22655	18.37	ug/l	99
95) Naphthalene	15.13	128	133476	17.04	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44374	17.79	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

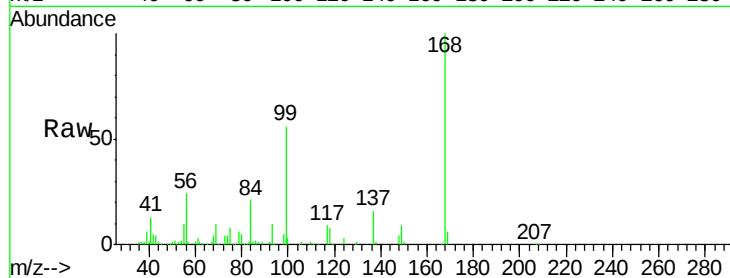
VN0312WBSD01

Tgt Ion:168 Resp: 181918

Ion Ratio Lower Upper

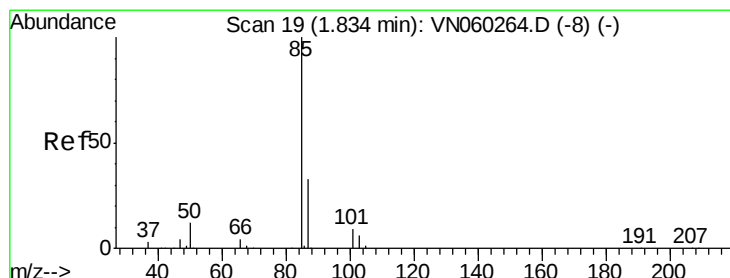
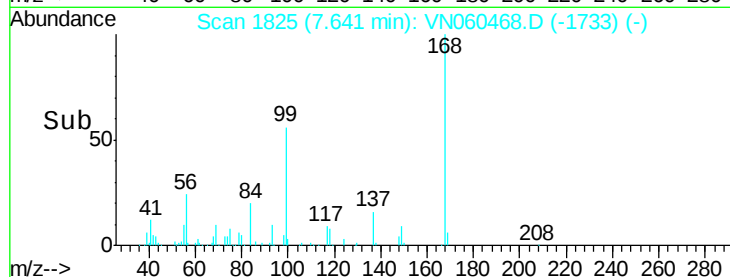
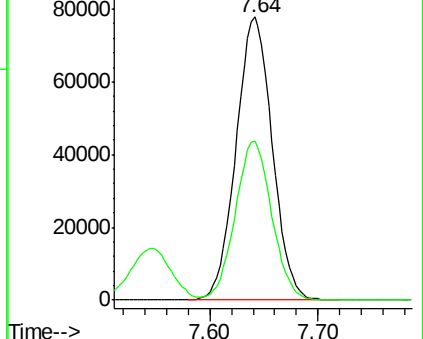
168 100

99 56.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.33 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060468.D

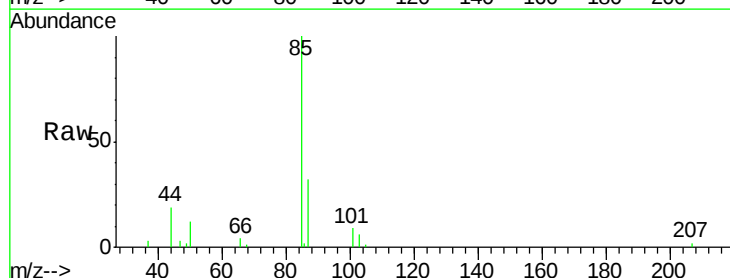
Acq: 12 Mar 2020 11:01

Tgt Ion: 85 Resp: 25571

Ion Ratio Lower Upper

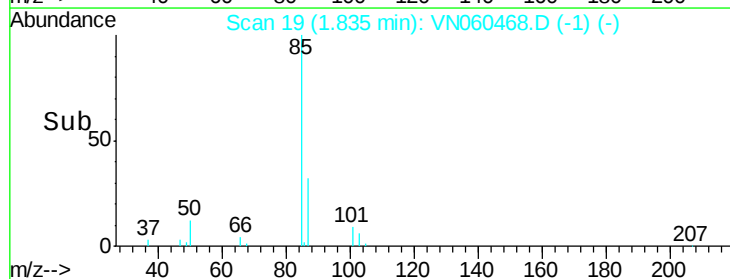
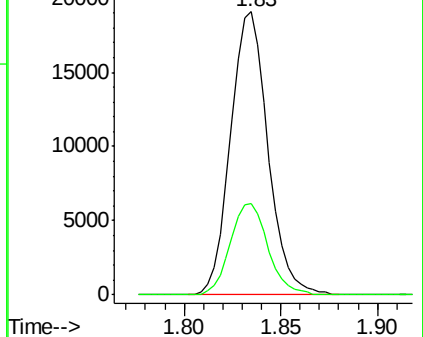
85 100

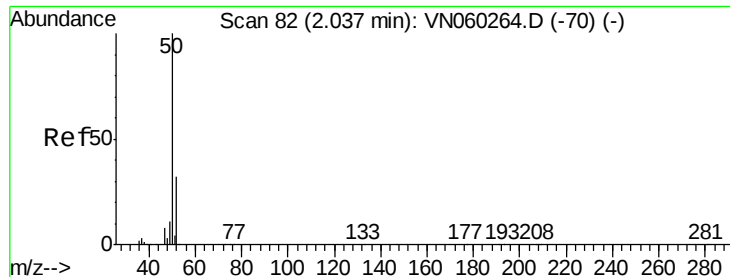
87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.39 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

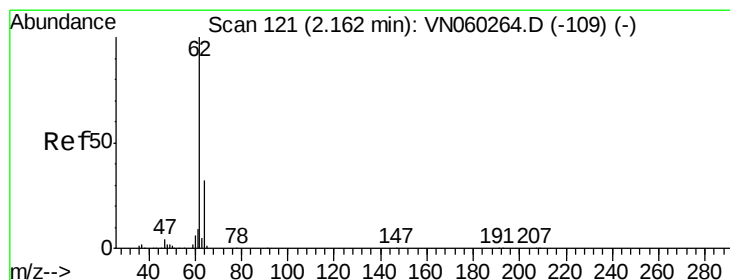
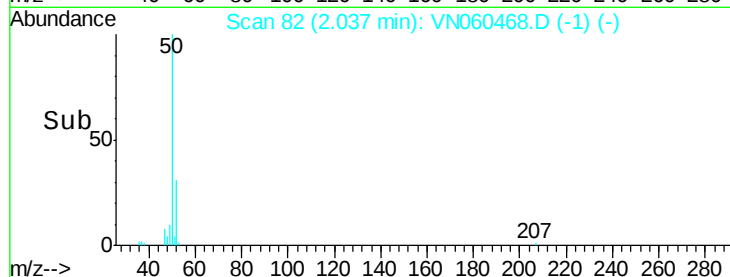
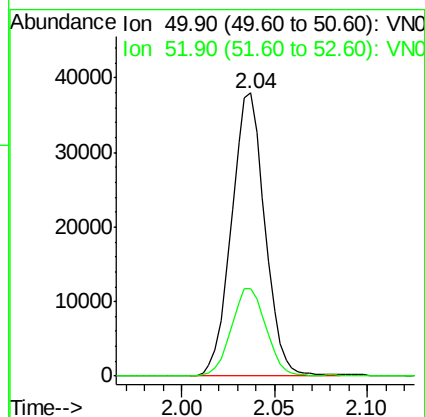
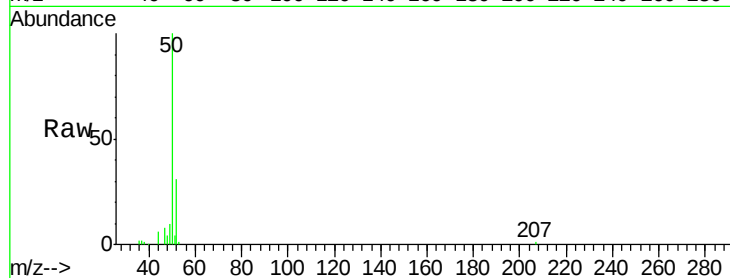
VN0312WBSD01

Tgt Ion: 50 Resp: 47608

Ion Ratio Lower Upper

50 100

52 31.0 25.6 38.4



#4

Vinyl Chloride

Concen: 15.39 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060468.D

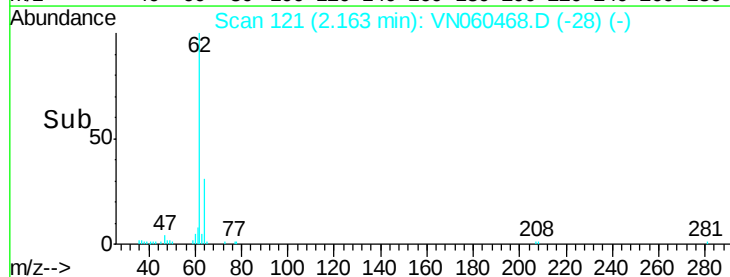
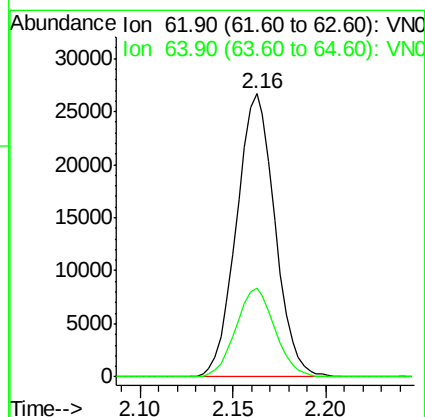
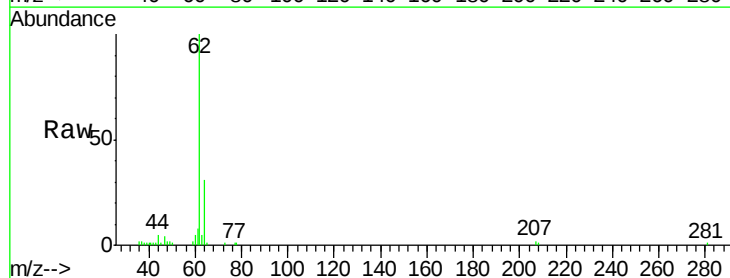
Acq: 12 Mar 2020 11:01

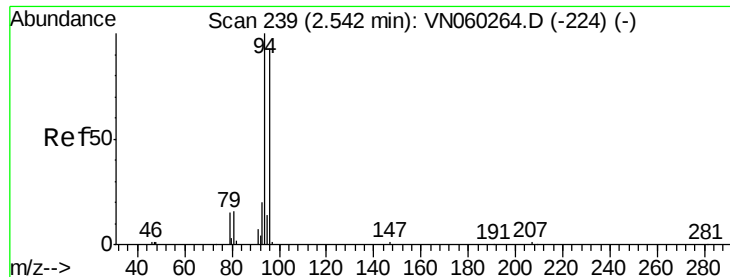
Tgt Ion: 62 Resp: 38315

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 15.42 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

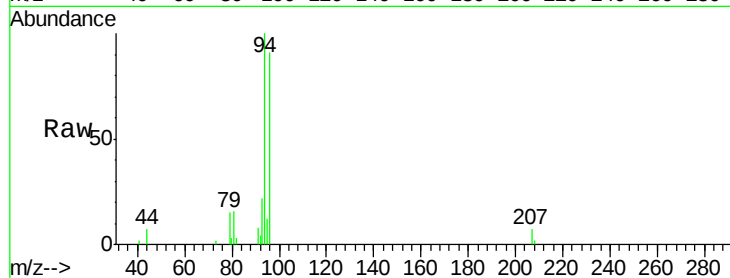
VN0312WBSD01

Tgt Ion: 94 Resp: 17127

Ion Ratio Lower Upper

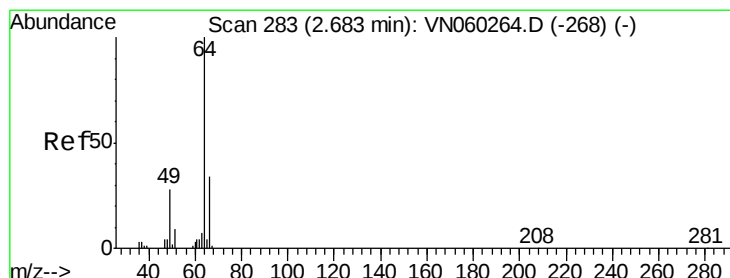
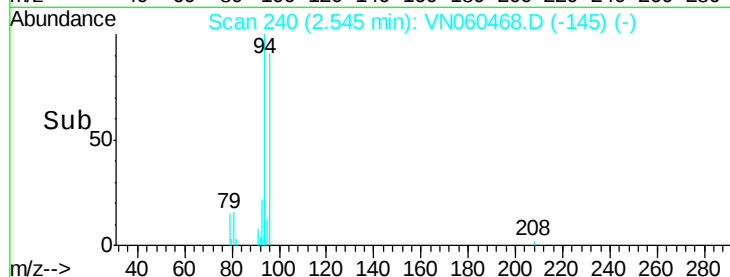
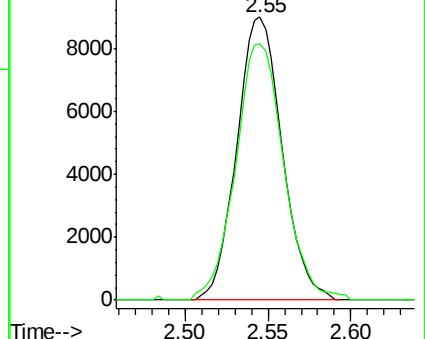
94 100

96 90.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.70 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060468.D

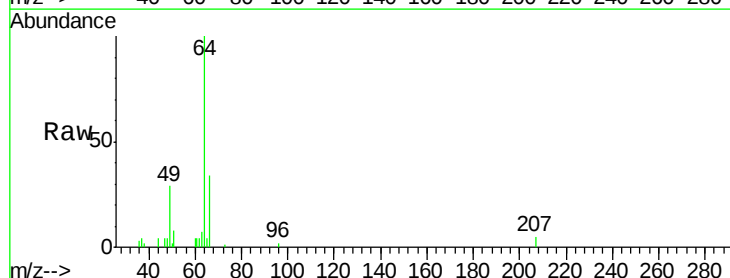
Acq: 12 Mar 2020 11:01

Tgt Ion: 64 Resp: 22529

Ion Ratio Lower Upper

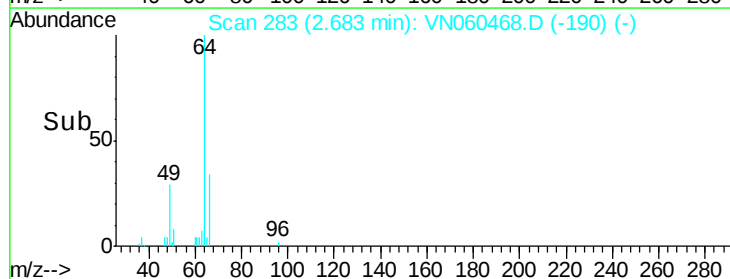
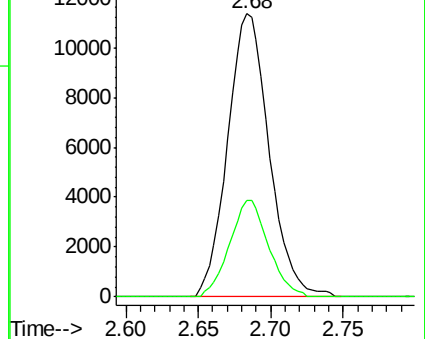
64 100

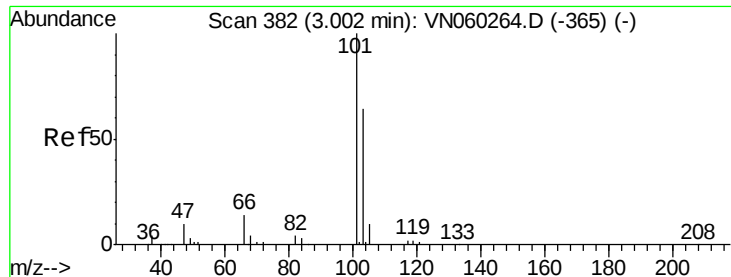
66 34.2 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



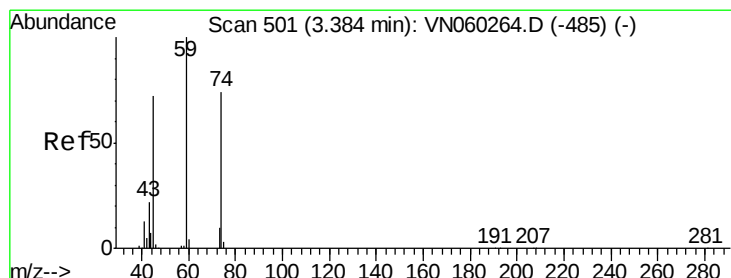
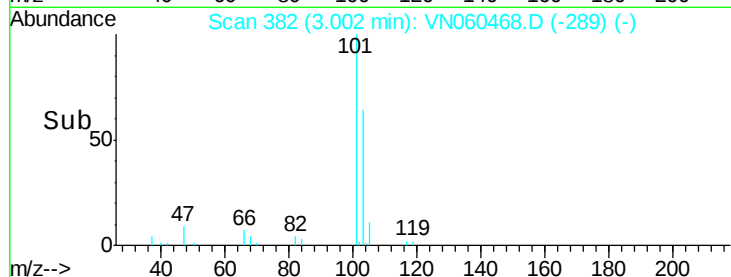
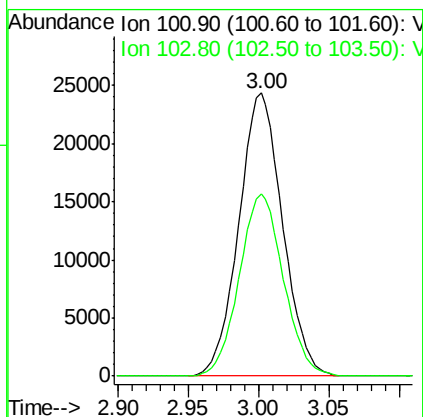
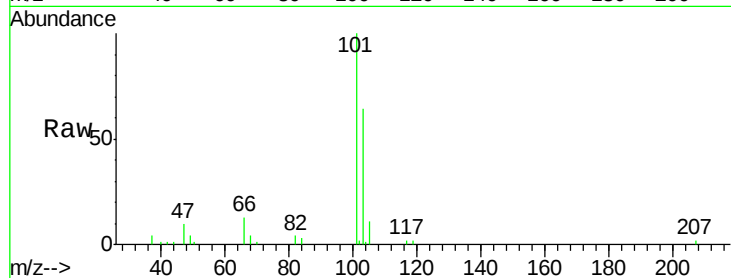


#7

Trichlorofluoromethane
 Concen: 16.60 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
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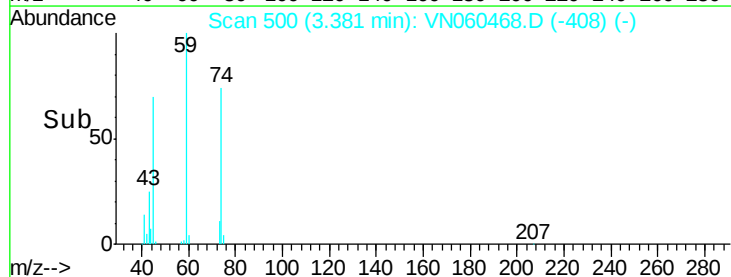
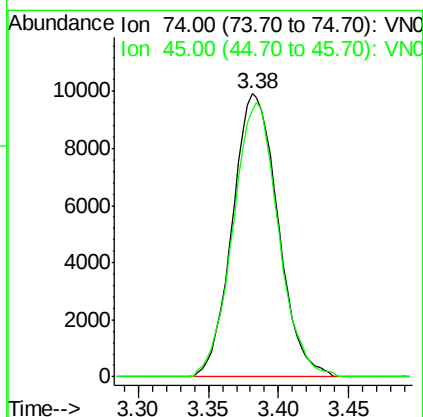
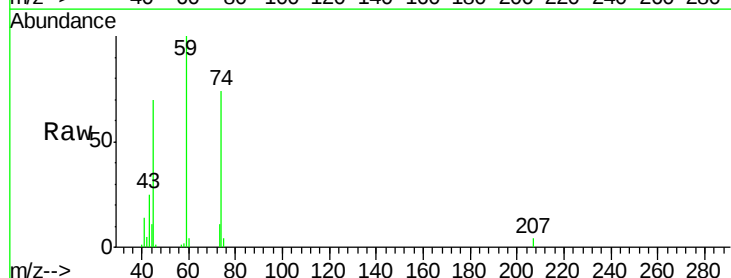
Tgt Ion:101 Resp: 52803
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.3 76.9



#8

Diethyl Ether
 Concen: 18.65 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 74 Resp: 22406
 Ion Ratio Lower Upper
 74 100
 45 96.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.74 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

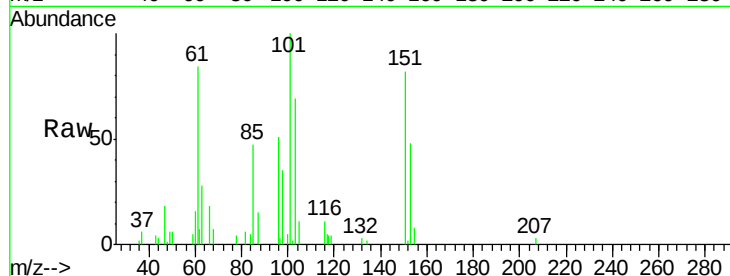
Tgt Ion:101 Resp: 31942

Ion Ratio Lower Upper

101 100

85 44.4 35.4 53.2

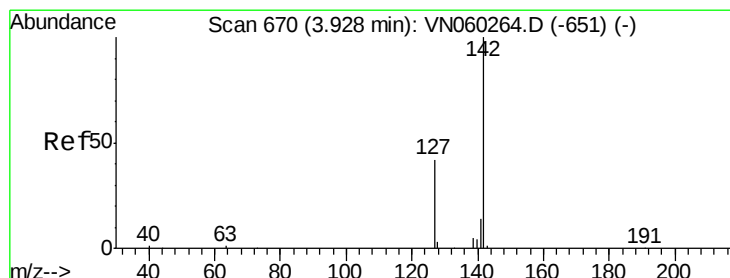
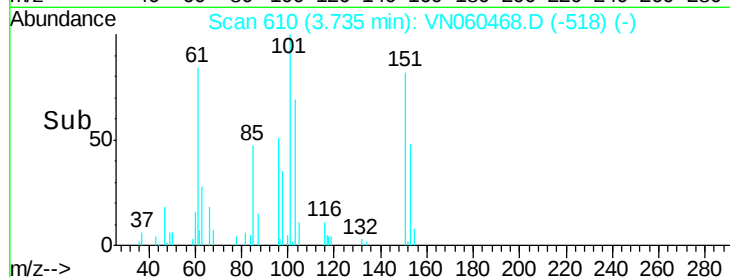
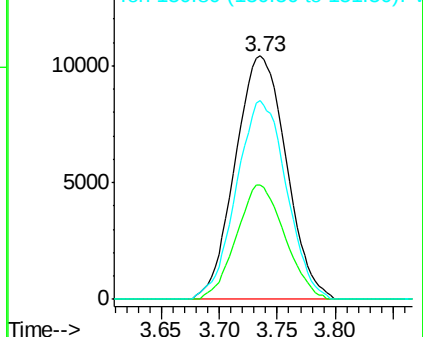
151 80.1 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.12 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

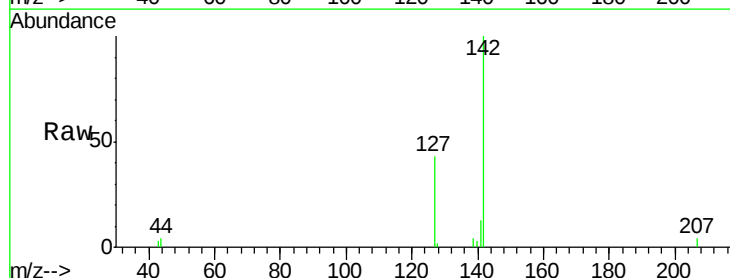
Tgt Ion:142 Resp: 23205

Ion Ratio Lower Upper

142 100

127 42.2 33.8 50.6

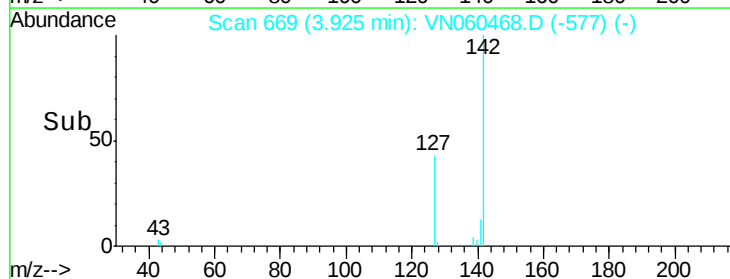
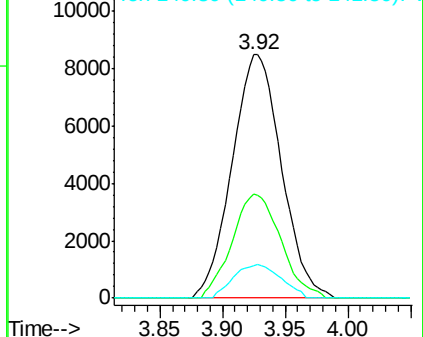
141 13.2 11.1 16.7



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



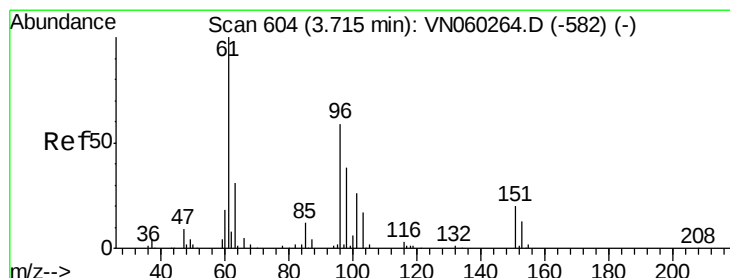
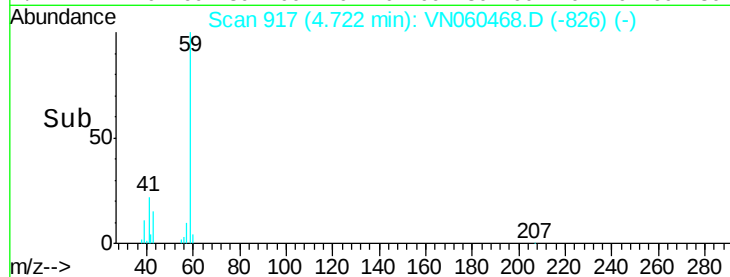
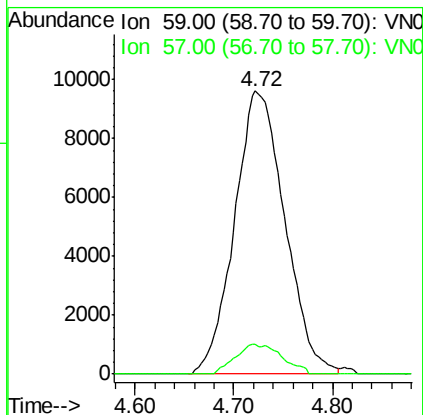
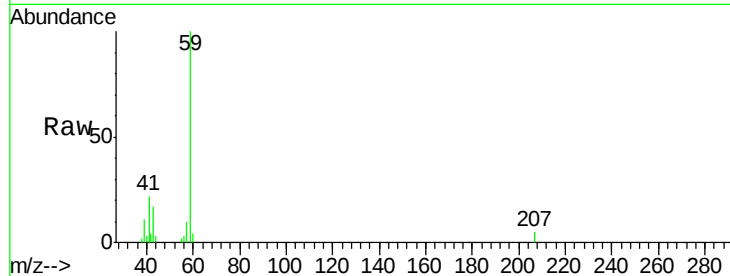


#11

Tert butyl alcohol
 Concen: 98.03 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

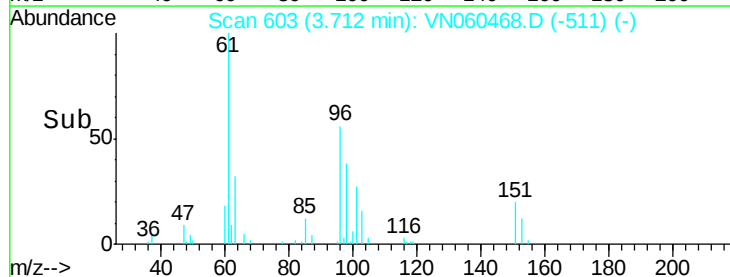
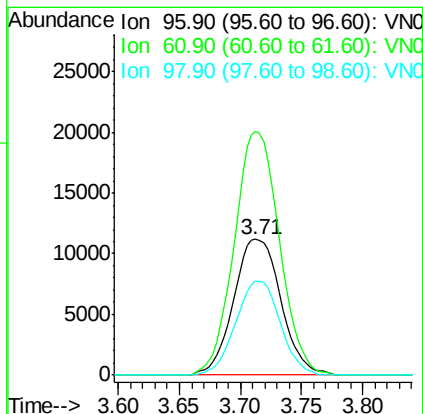
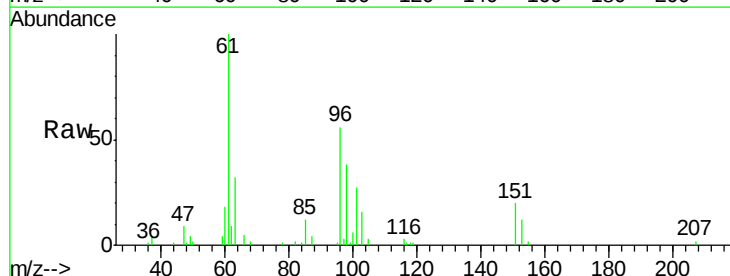
Tgt Ion: 59 Resp: 33973
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.2

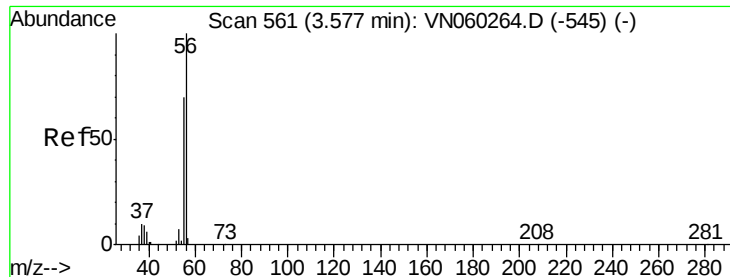


#12

1,1-Dichloroethene
 Concen: 17.19 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 96 Resp: 30128
 Ion Ratio Lower Upper
 96 100
 61 179.3 135.4 203.0
 98 68.9 51.6 77.4





#13

Acrolein

Concen: 103.64 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

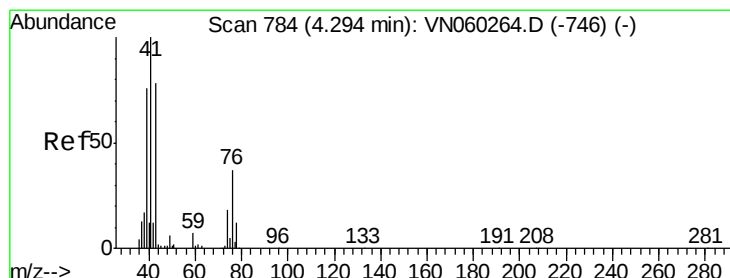
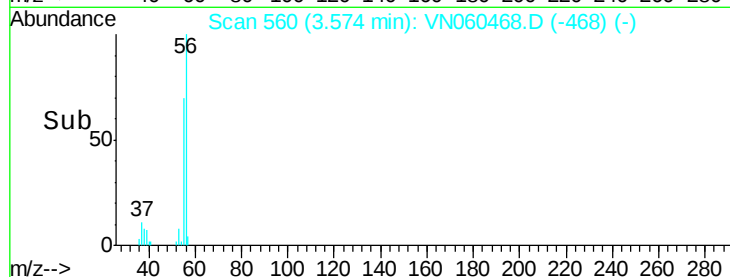
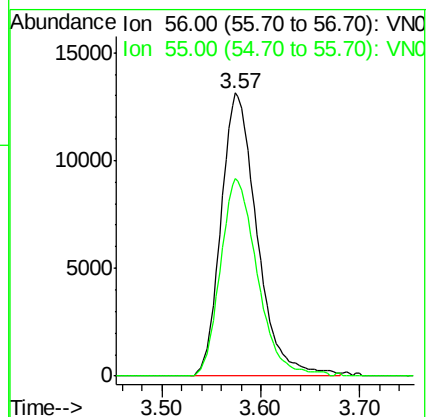
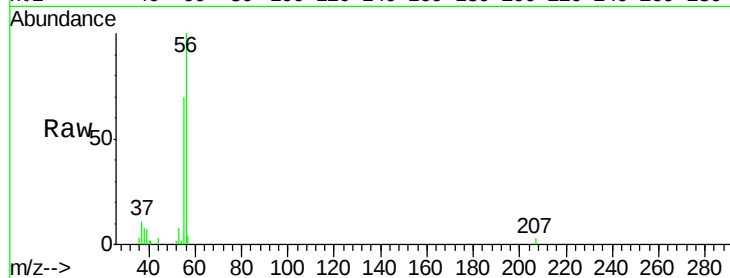
VN0312WBSD01

Tgt Ion: 56 Resp: 33510

Ion Ratio Lower Upper

56 100

55 71.4 57.4 86.0



#14

Allyl chloride

Concen: 18.63 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

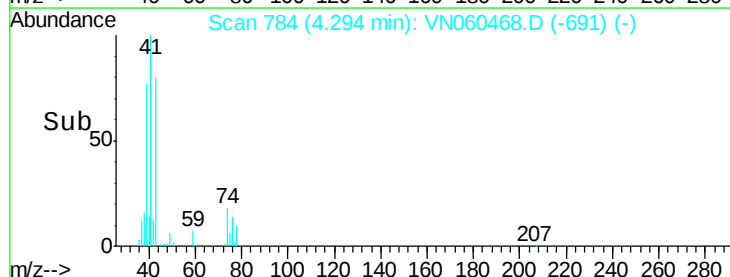
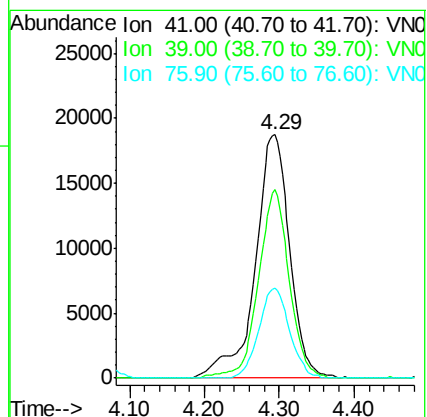
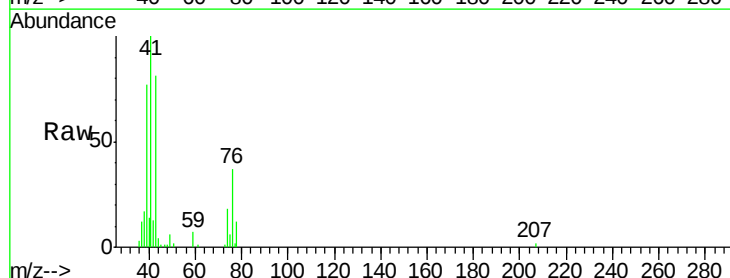
Tgt Ion: 41 Resp: 60041

Ion Ratio Lower Upper

41 100

39 69.1 55.4 83.2

76 33.0 27.0 40.6





#15

Acrylonitrile

Concen: 103.13 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

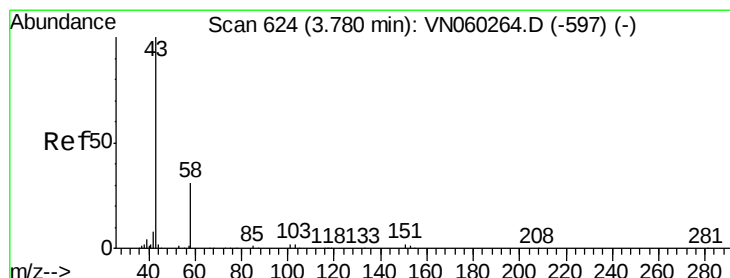
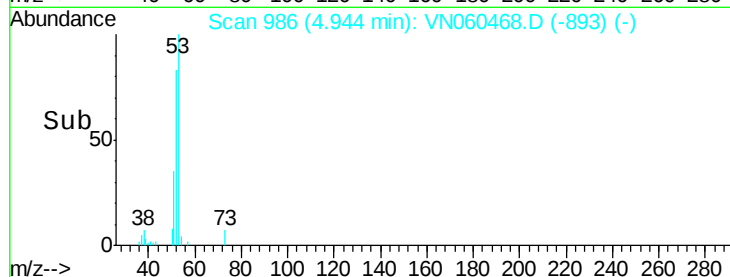
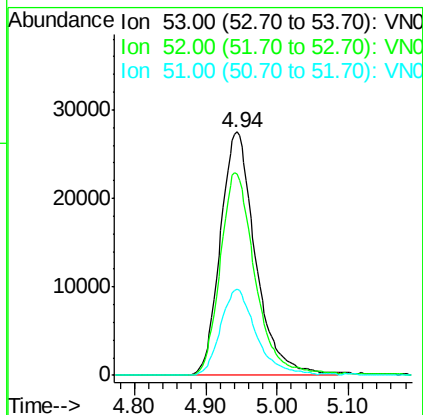
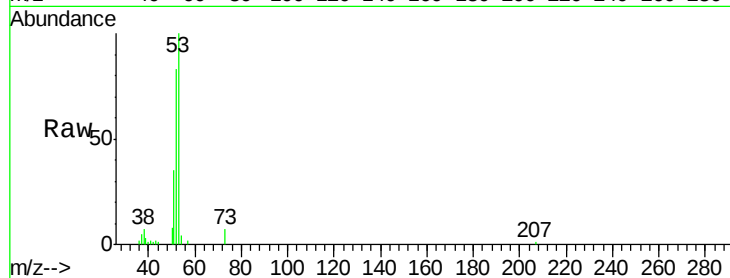
Tgt Ion: 53 Resp: 94214

Ion Ratio Lower Upper

53 100

52 82.7 66.8 100.2

51 35.9 29.0 43.6



#16

Acetone

Concen: 103.77 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060468.D

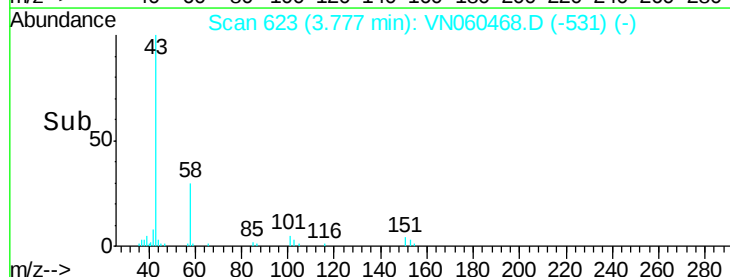
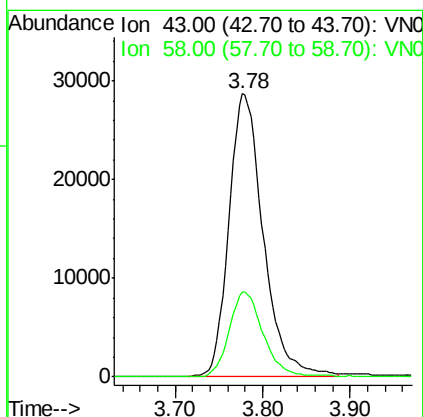
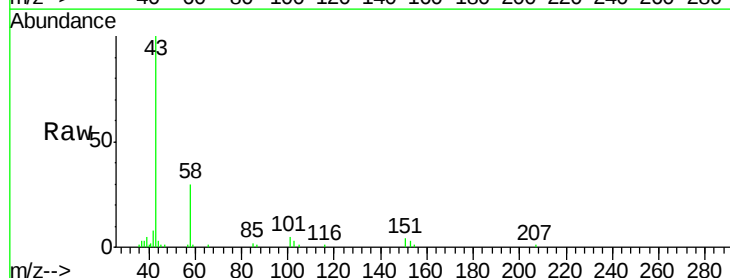
Acq: 12 Mar 2020 11:01

Tgt Ion: 43 Resp: 78218

Ion Ratio Lower Upper

43 100

58 30.1 24.6 36.8

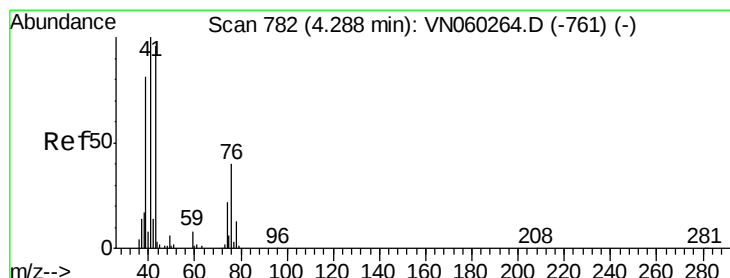
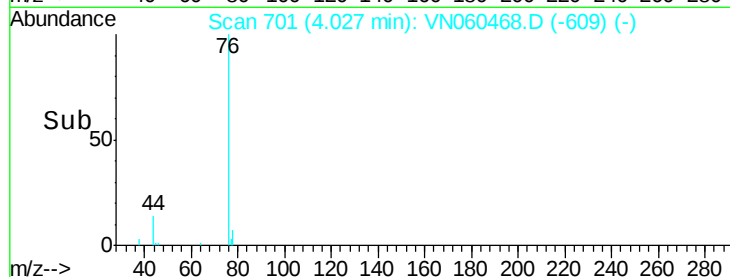
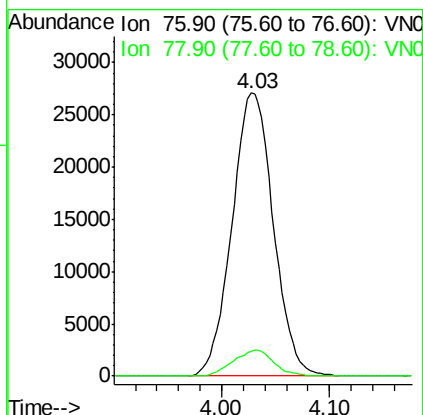
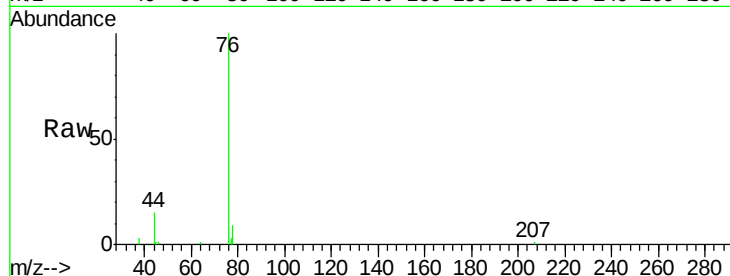




#17
Carbon Disulfide
Concen: 15.06 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

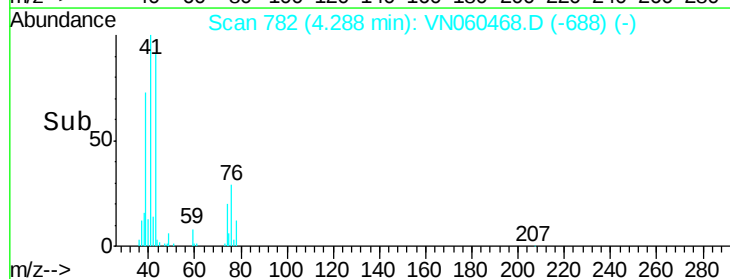
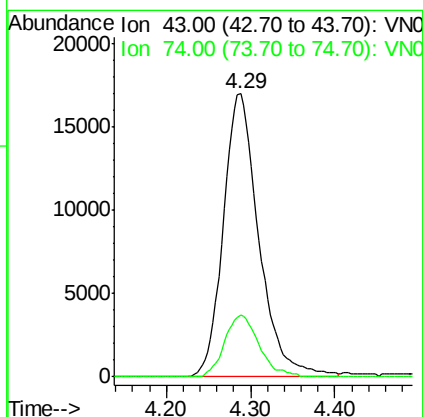
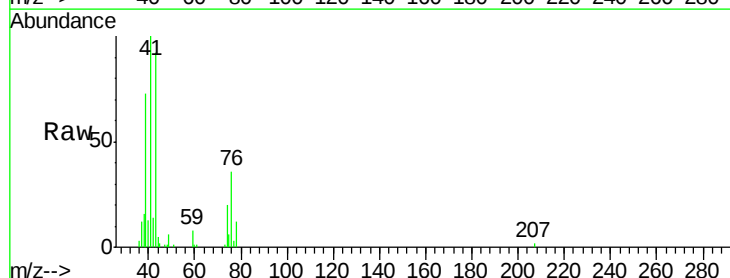
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion: 76 Resp: 72113
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 19.81 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion: 43 Resp: 49823
Ion Ratio Lower Upper
43 100
74 21.1 18.8 28.2

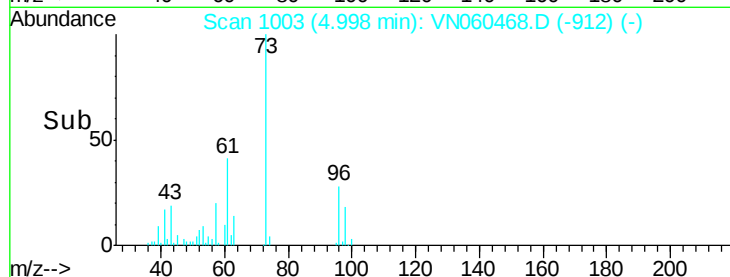
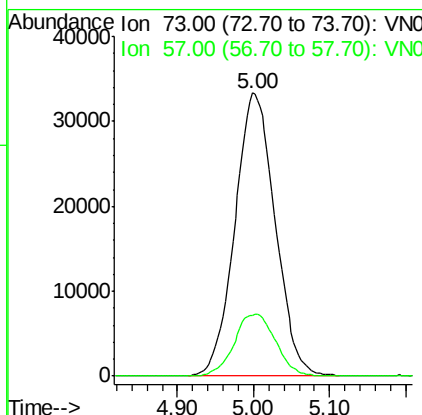
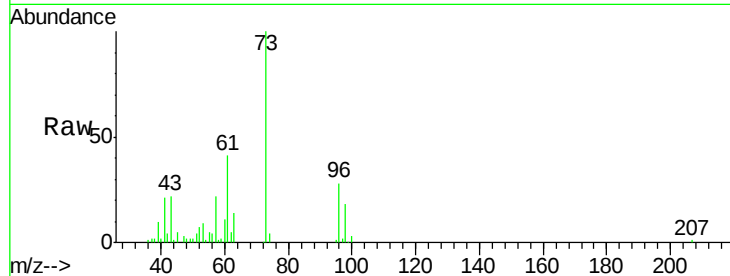




#19
Methyl tert-butyl Ether
Concen: 19.37 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

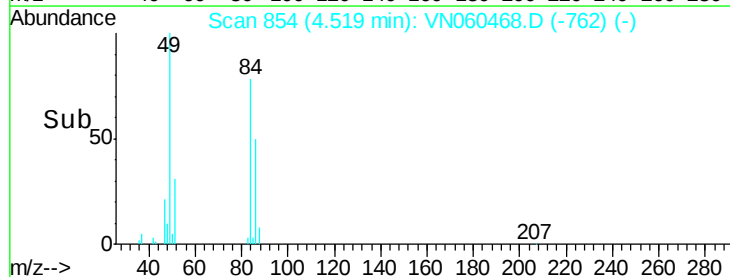
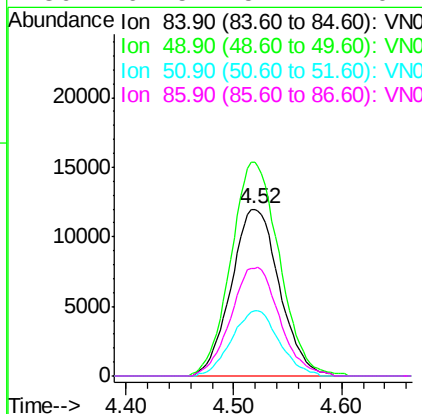
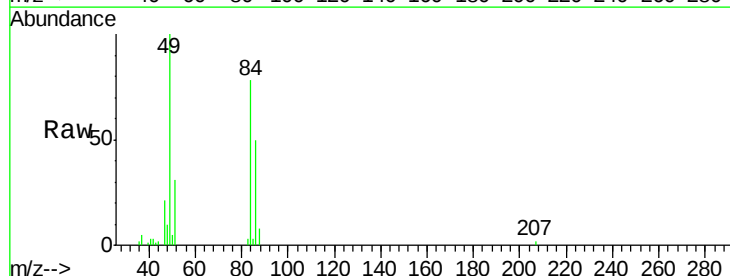
Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

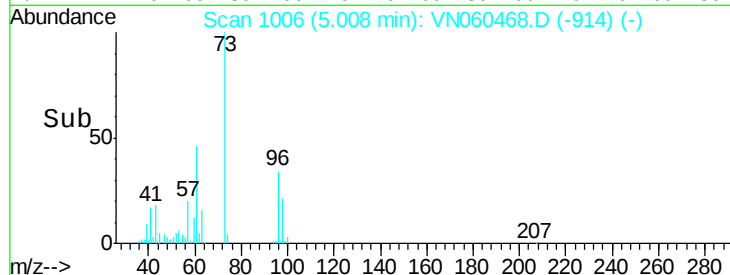
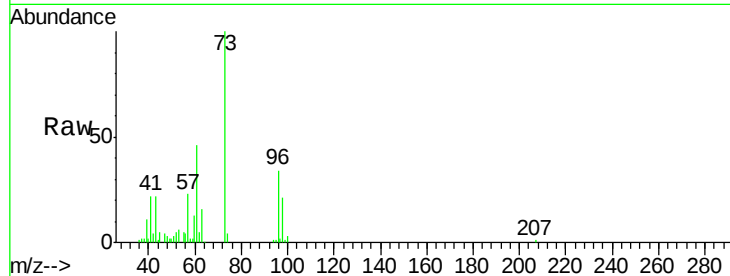
Tgt Ion: 73 Resp: 122891
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9



#20
Methylene Chloride
Concen: 17.99 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion: 84 Resp: 37243
Ion Ratio Lower Upper
84 100
49 127.9 99.3 148.9
51 39.3 30.1 45.1
86 64.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.40 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

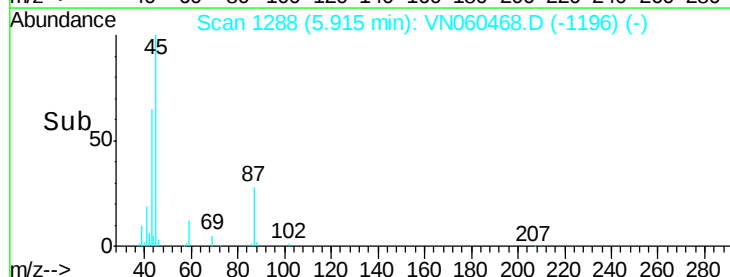
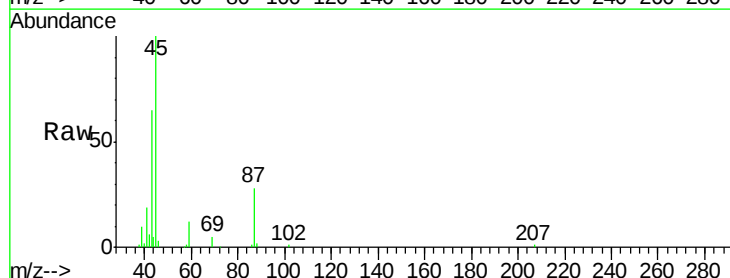
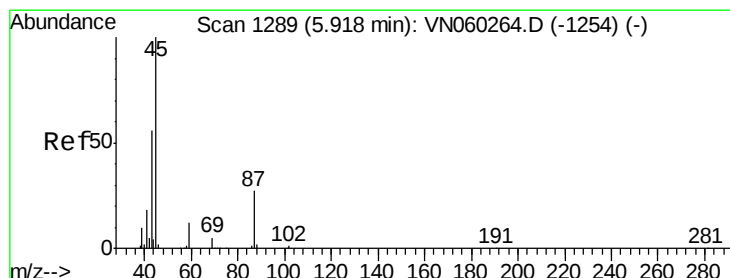
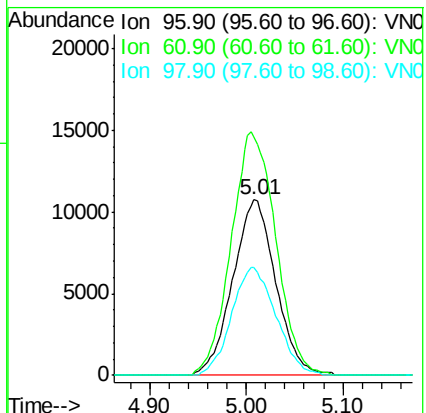
Tgt Ion: 96 Resp: 33191

Ion Ratio Lower Upper

96 100

61 135.9 113.8 170.8

98 61.2 48.8 73.2



#22

Diisopropyl ether

Concen: 20.27 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion: 45 Resp: 132294

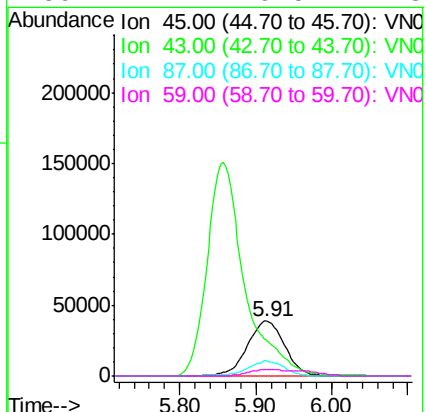
Ion Ratio Lower Upper

45 100

43 62.6 48.6 72.8

87 27.5 22.2 33.2

59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 99.68 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

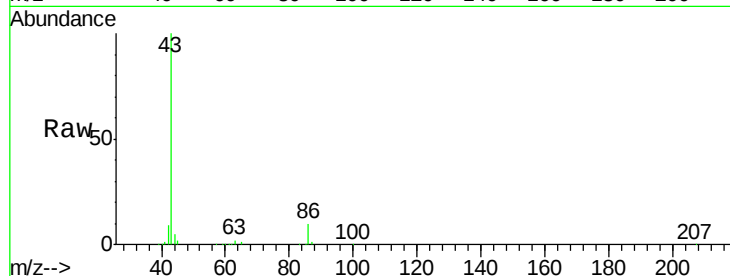
VN0312WBSD01

Tgt Ion: 43 Resp: 517034

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

150000

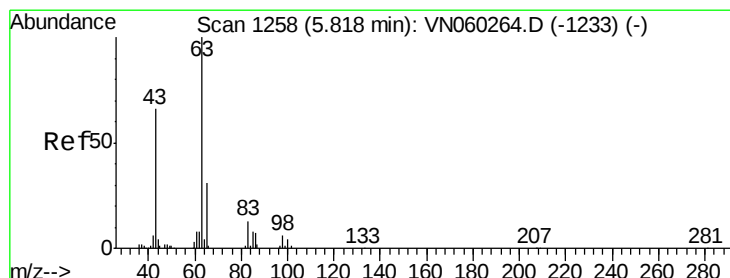
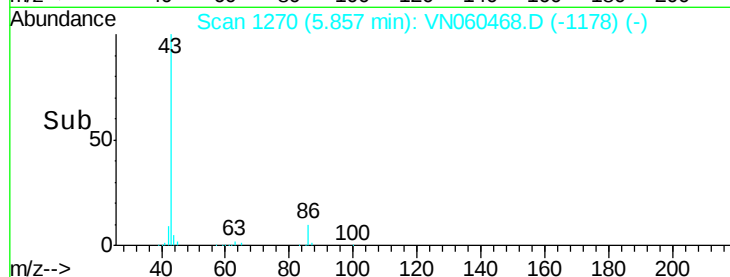
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.23 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

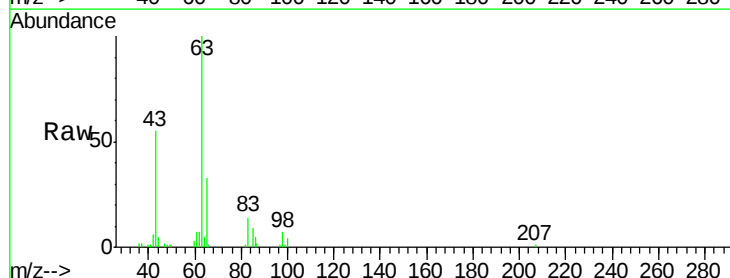
Tgt Ion: 63 Resp: 71040

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.0

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

30000

25000

20000

15000

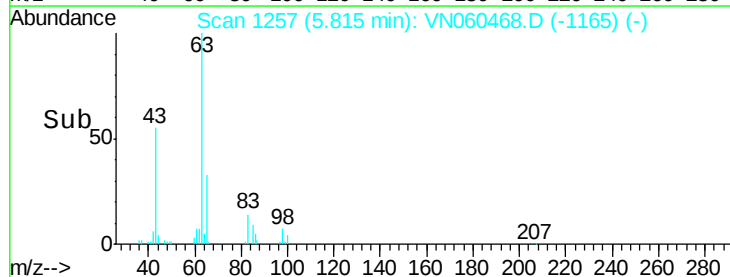
10000

5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 102.91 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

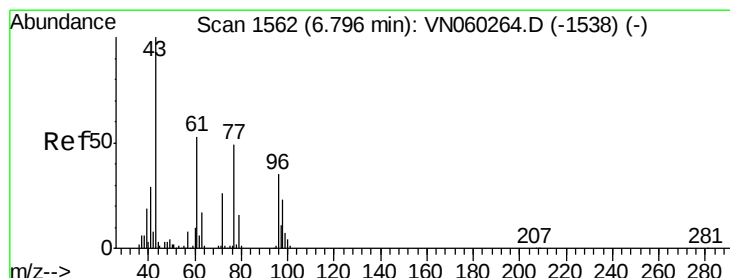
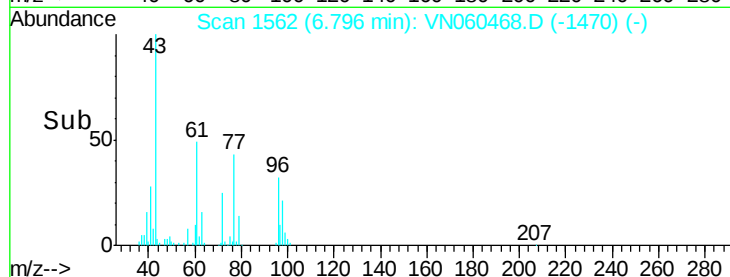
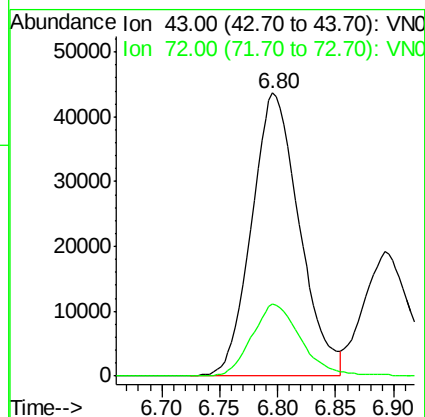
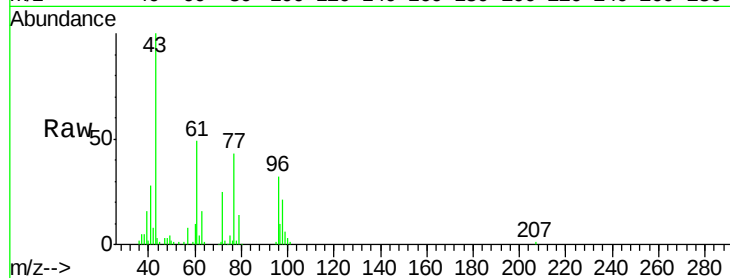
VN0312WBSD01

Tgt Ion: 43 Resp: 125293

Ion Ratio Lower Upper

43 100

72 25.4 20.9 31.3



#26

2,2-Dichloropropane

Concen: 18.22 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060468.D

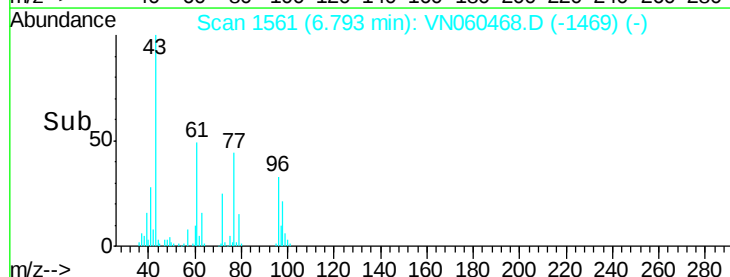
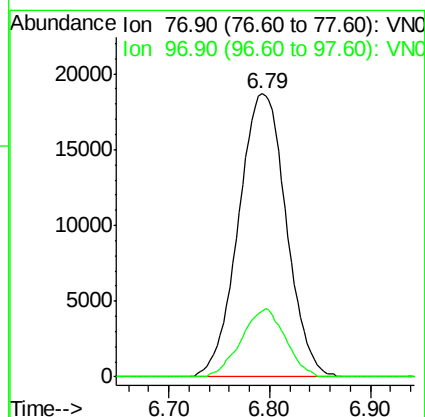
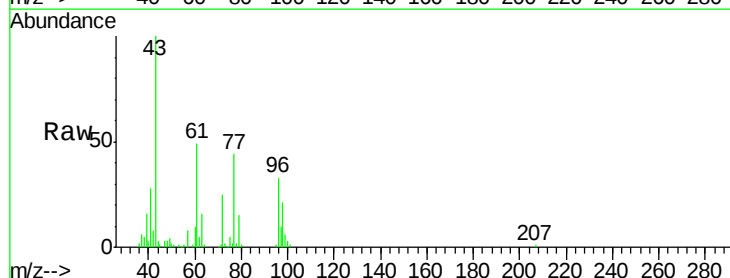
Acq: 12 Mar 2020 11:01

Tgt Ion: 77 Resp: 61286

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.37 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

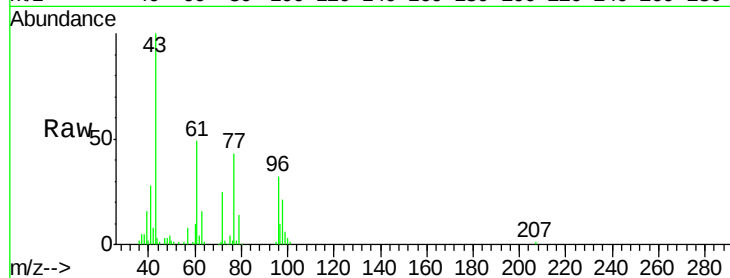
Tgt Ion: 96 Resp: 41682

Ion Ratio Lower Upper

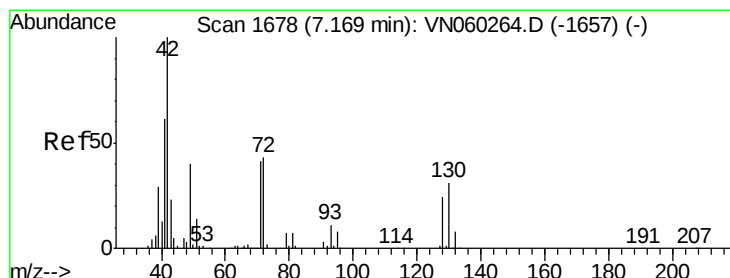
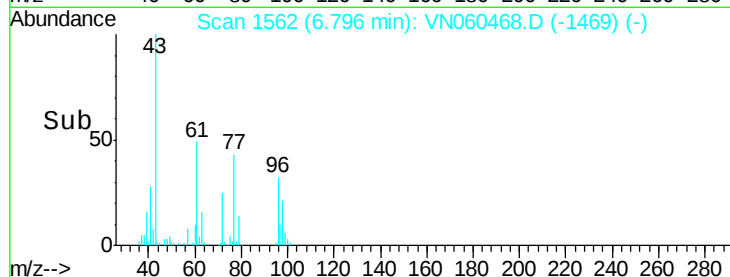
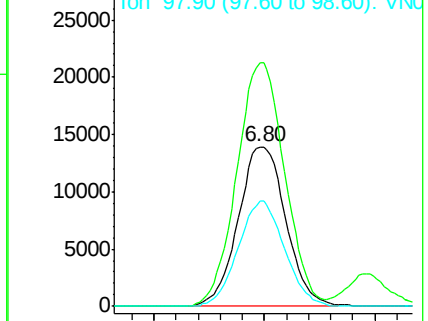
96 100

61 153.3 0.0 300.8

98 64.0 0.0 128.2



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: 20.49 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

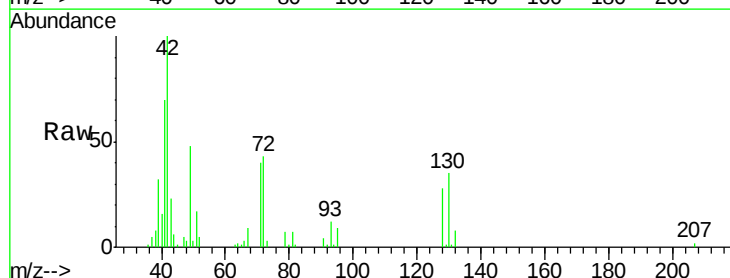
Tgt Ion: 49 Resp: 31078

Ion Ratio Lower Upper

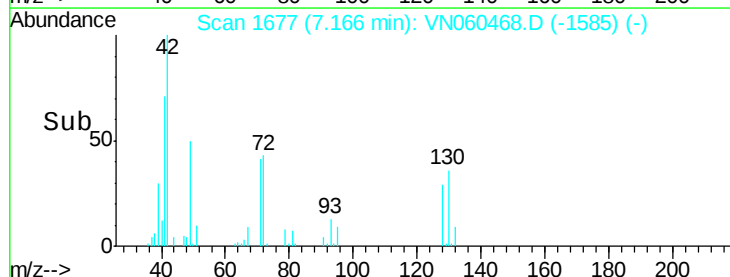
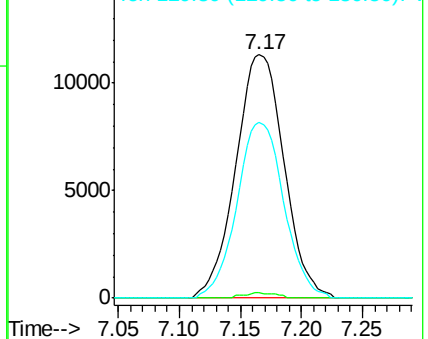
49 100

129 1.5 0.0 3.8

130 70.2 59.8 89.8



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





#29

Tetrahydrofuran

Concen: 100.55 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

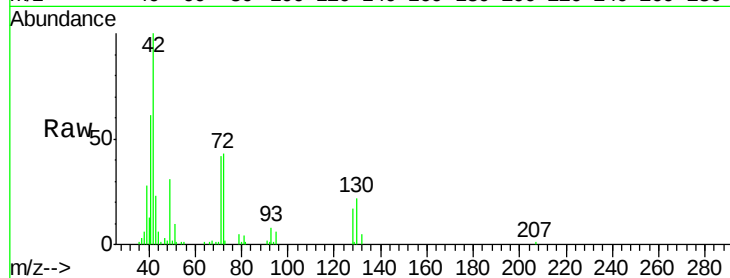
Tgt Ion: 42 Resp: 85127

Ion Ratio Lower Upper

42 100

72 42.2 34.6 52.0

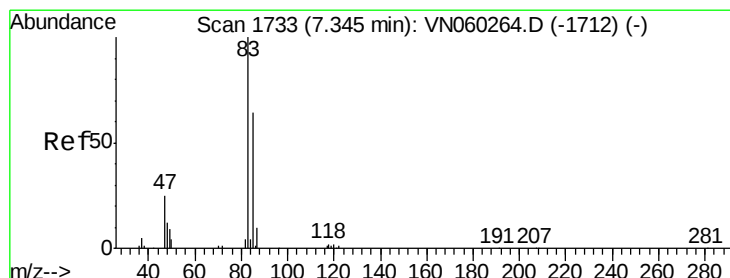
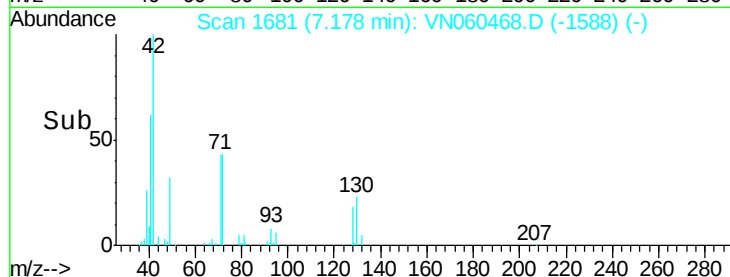
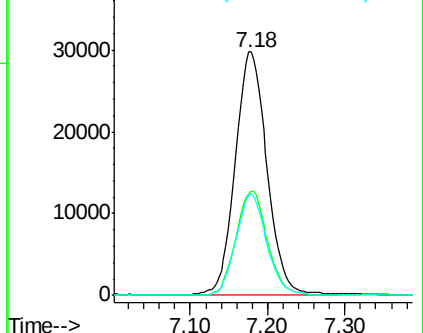
71 39.8 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.11 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060468.D

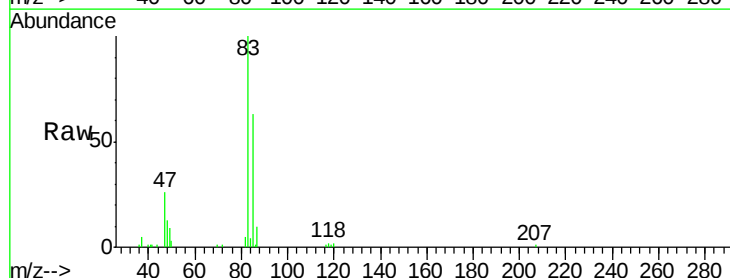
Acq: 12 Mar 2020 11:01

Tgt Ion: 83 Resp: 70275

Ion Ratio Lower Upper

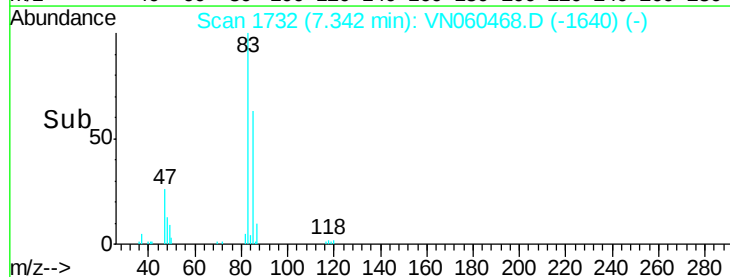
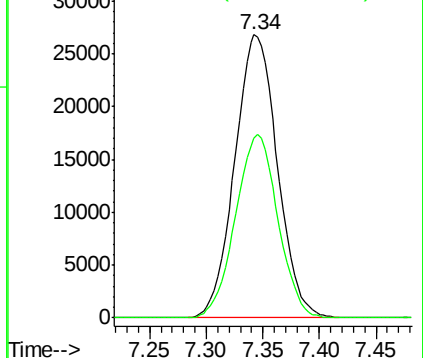
83 100

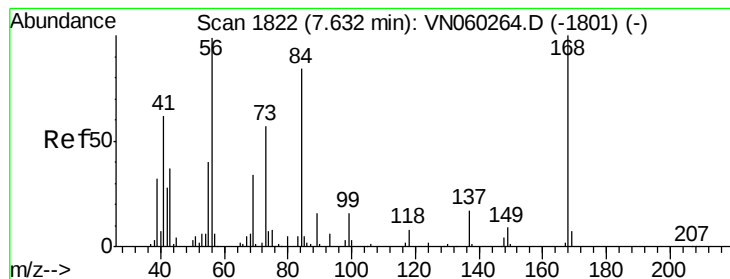
85 63.4 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.15 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

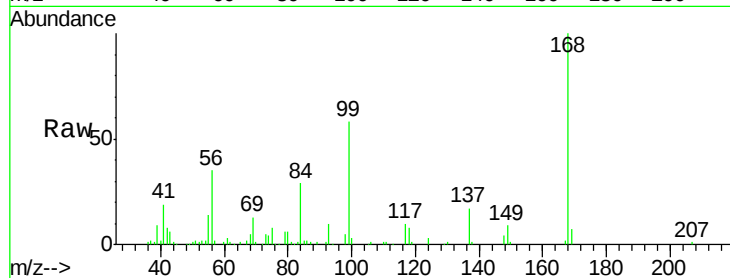
Tgt Ion: 56 Resp: 59934

Ion Ratio Lower Upper

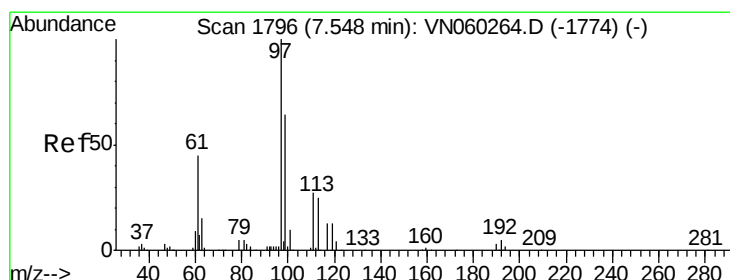
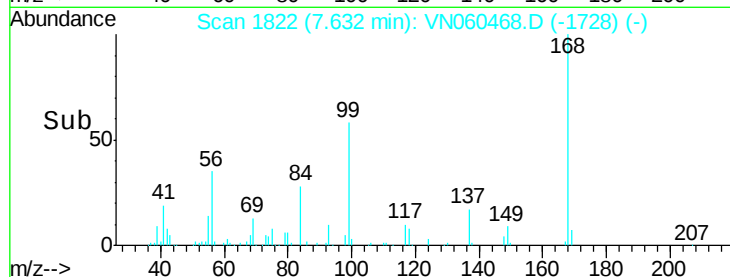
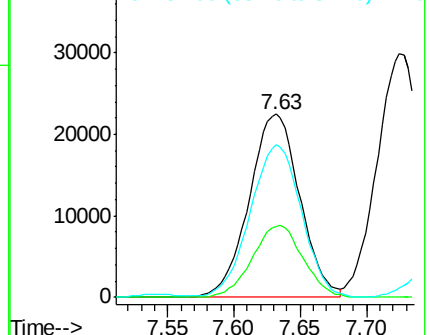
56 100

69 38.9 27.2 40.8

84 82.1 66.7 100.1



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



#32

1,1,1-Trichloroethane

Concen: 18.09 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

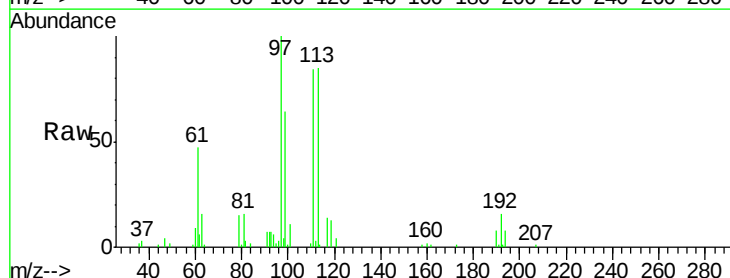
Tgt Ion: 97 Resp: 58967

Ion Ratio Lower Upper

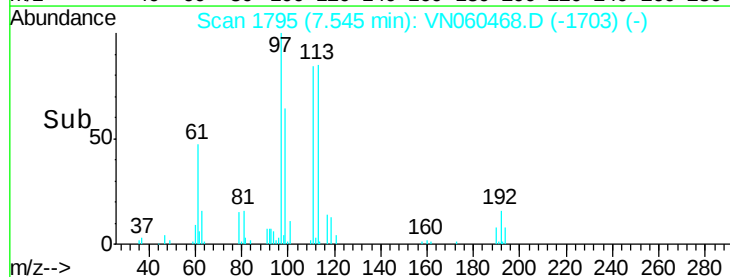
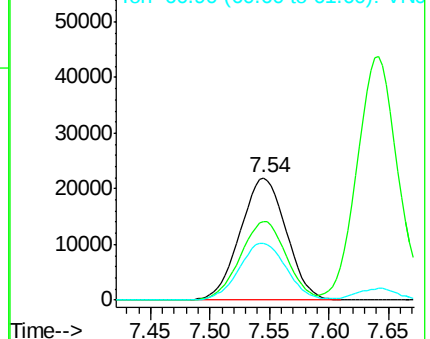
97 100

99 64.1 51.4 77.0

61 47.5 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

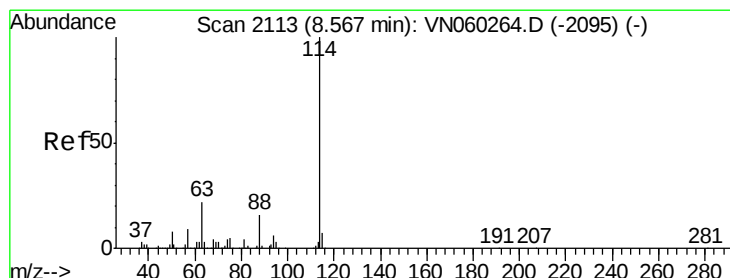
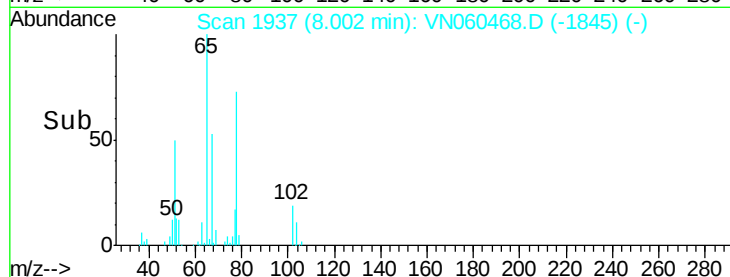
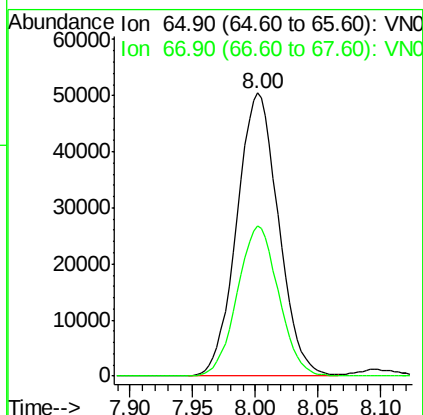
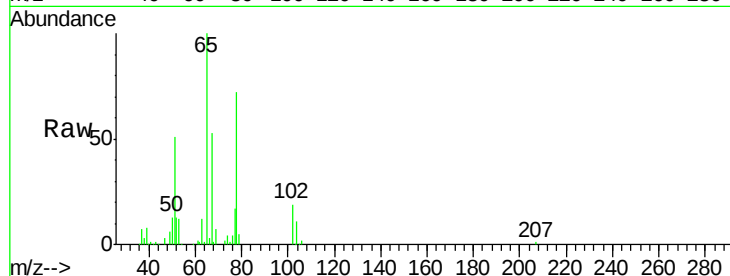




#33
 1,2-Dichloroethane-d4
 Concen: 50.02 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

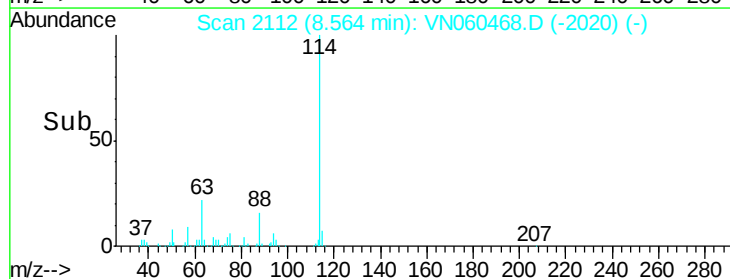
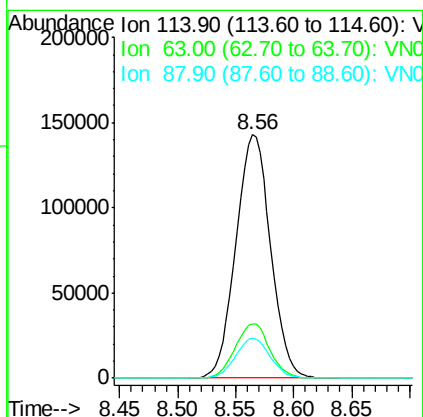
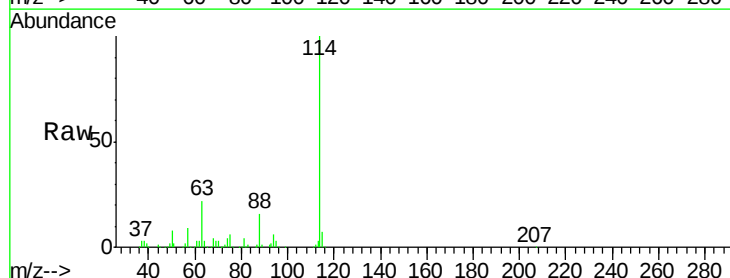
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion: 65 Resp: 116755
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 114 Resp: 297243
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.2
 88 16.4 0.0 31.6

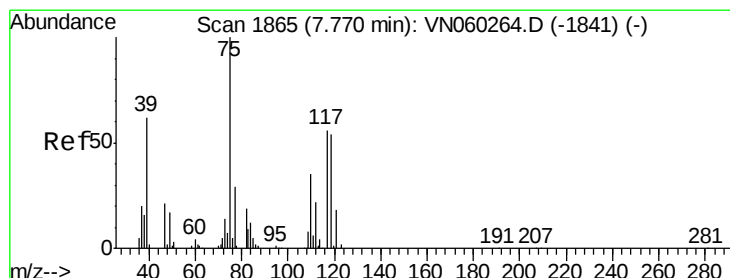
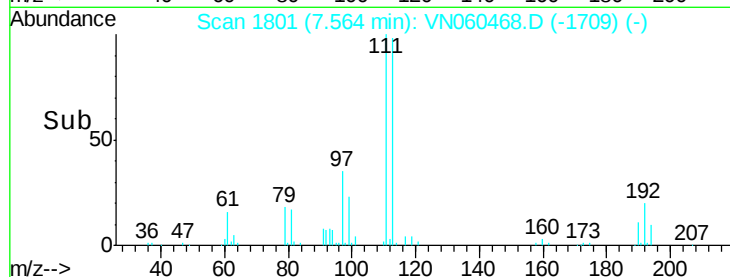
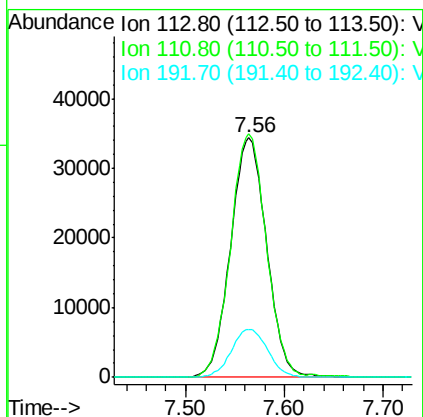
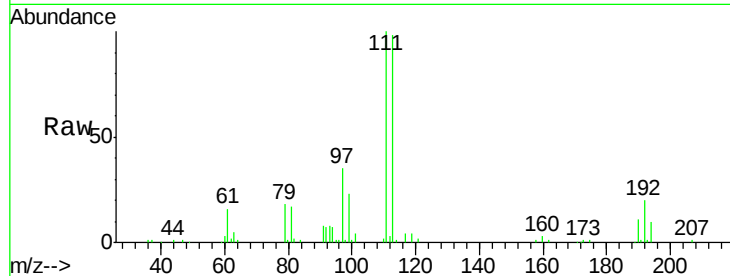




#35
 Dibromofluoromethane
 Concen: 63.35 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

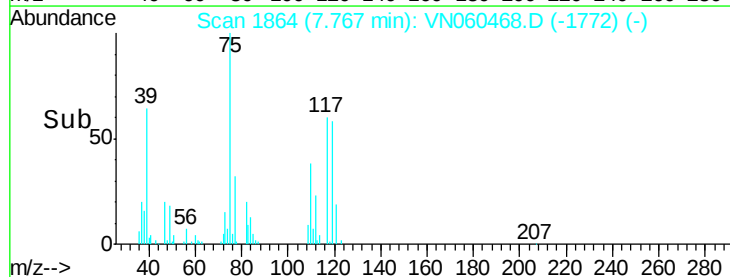
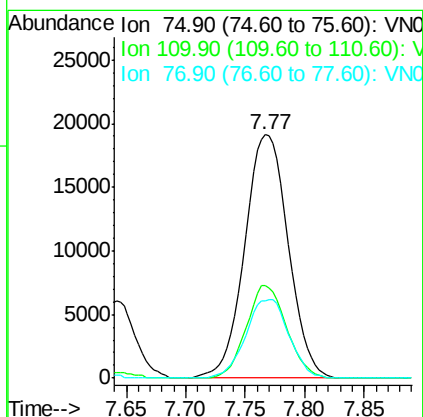
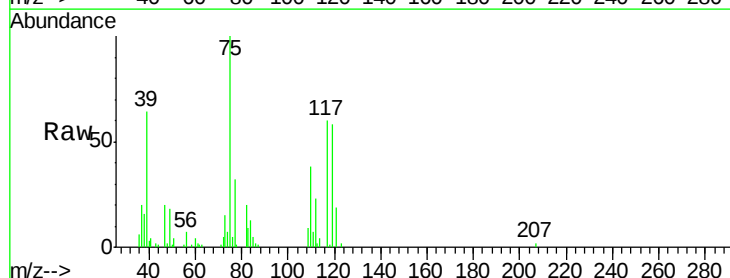
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion: 113 Resp: 87406
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.4 123.6
 192 20.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 17.13 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 75 Resp: 48532
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.3 52.0
 77 32.0 24.2 36.2

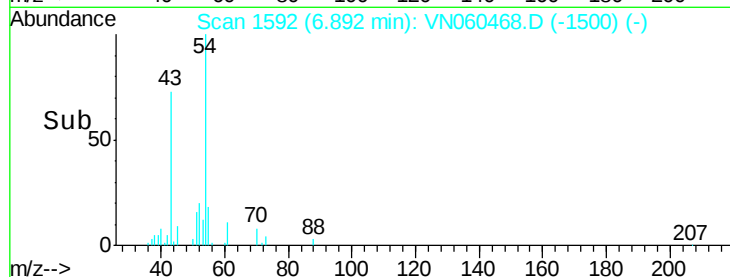
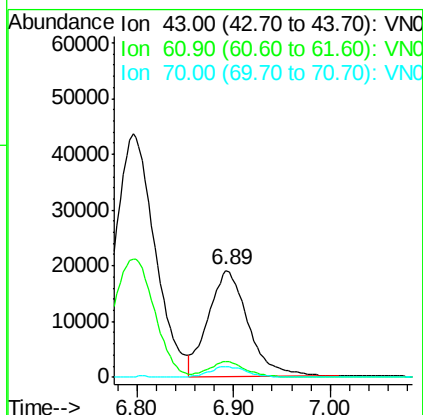
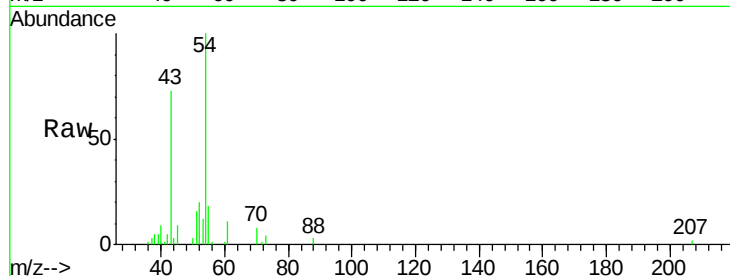




#37
Ethyl Acetate
Concen: 20.25 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

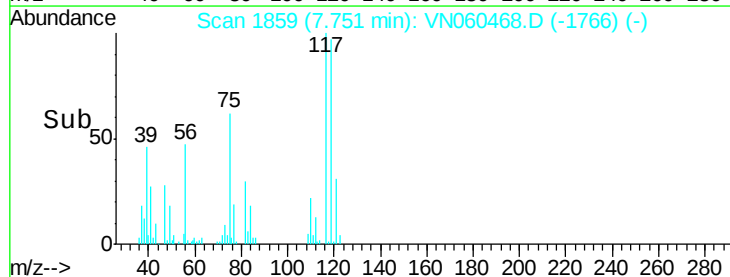
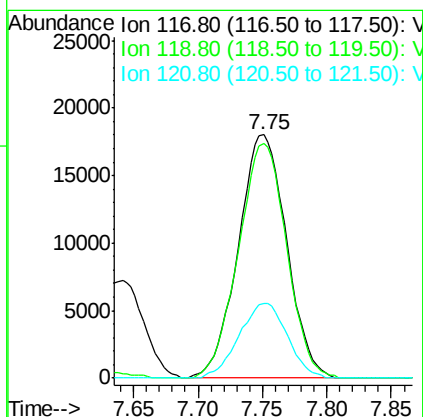
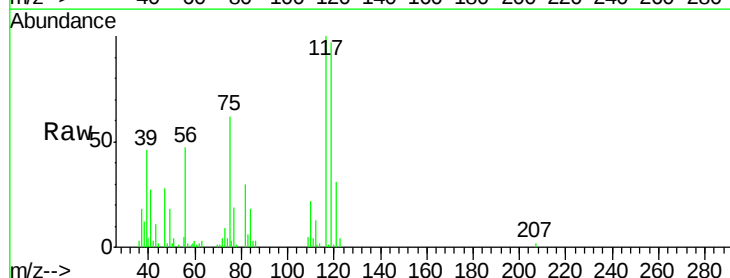
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion: 43 Resp: 54307
Ion Ratio Lower Upper
43 100
61 14.0 11.1 16.7
70 9.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 17.01 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion: 117 Resp: 46918
Ion Ratio Lower Upper
117 100
119 96.6 76.7 115.1
121 30.9 24.5 36.7

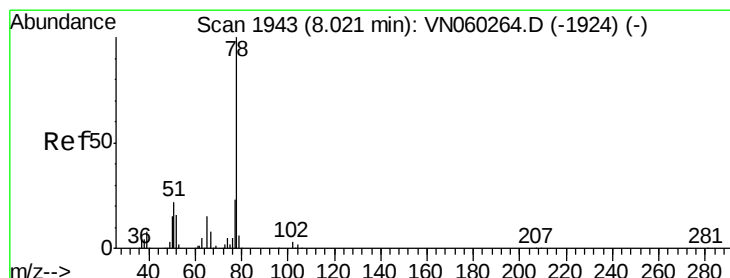
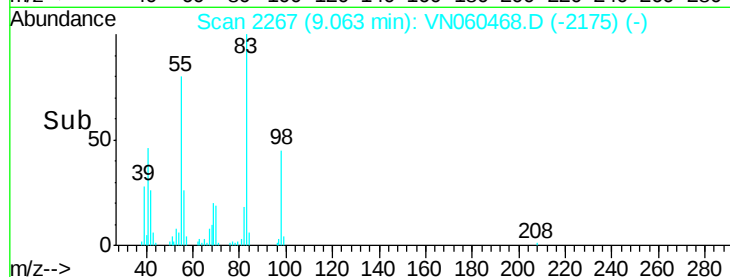
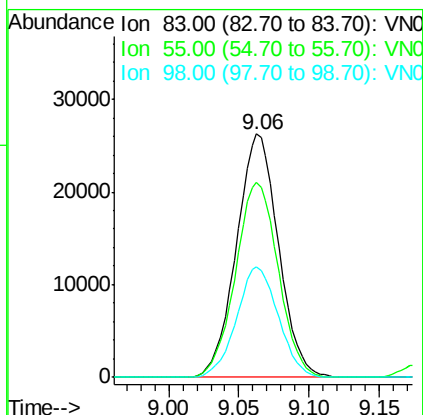
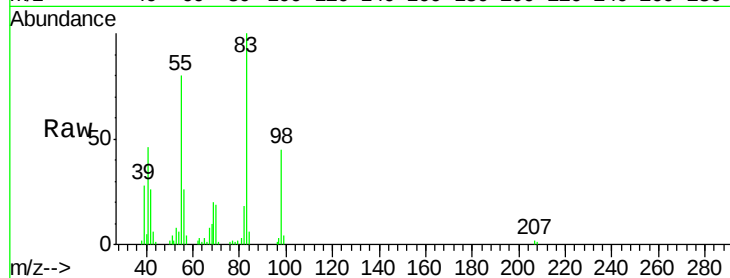




#39
Methylcyclohexane
Concen: 16.36 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

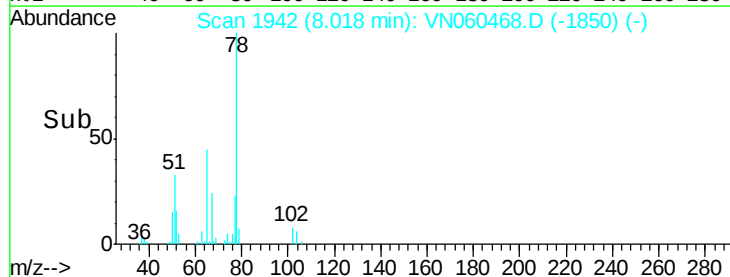
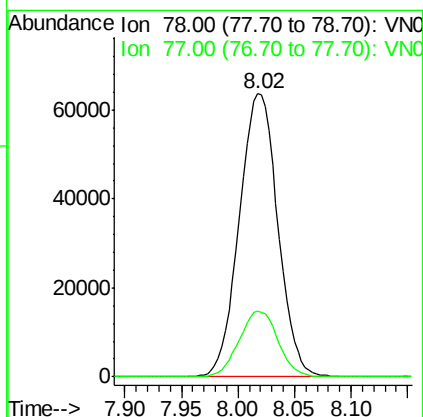
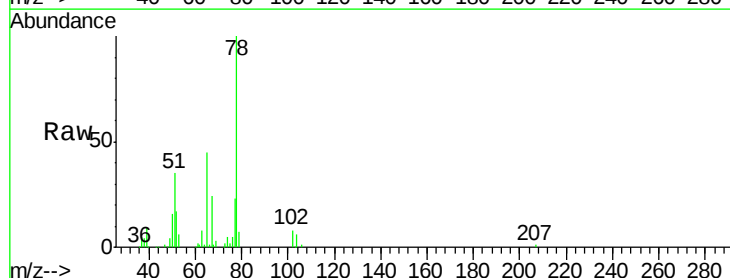
Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

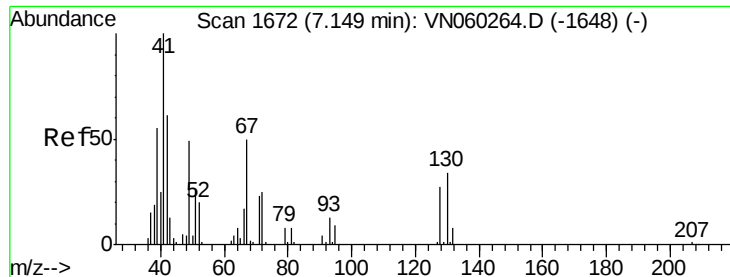
Tgt Ion: 83 Resp: 54650
Ion Ratio Lower Upper
83 100
55 79.9 61.0 91.4
98 45.2 36.1 54.1



#40
Benzene
Concen: 18.33 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion: 78 Resp: 151135
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

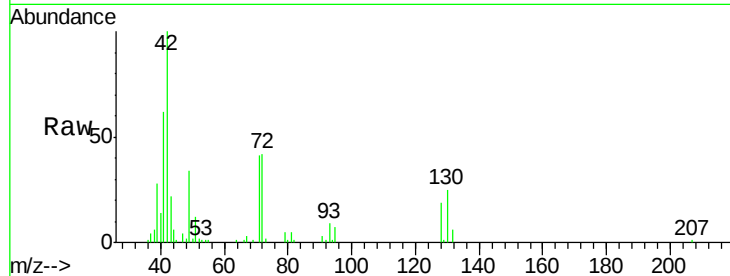




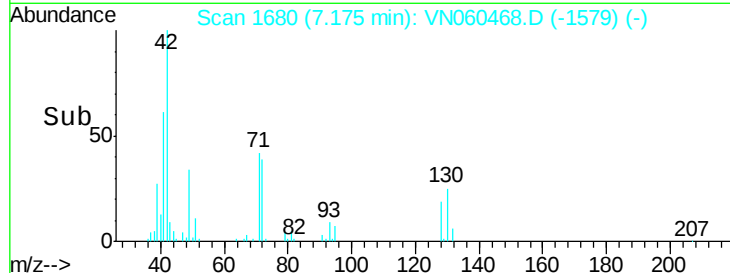
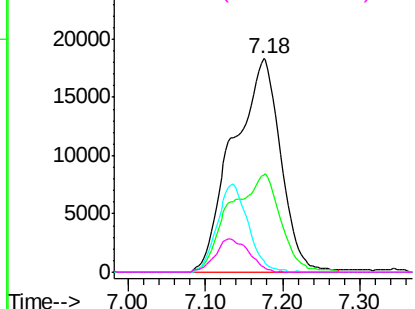
#41
Methacrylonitrile
Concen: 63.50 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampled :
VN0312WBSD01

Tgt Ion:	41	Resp:	78651
Ion	Ratio	Lower	Upper
41	100		
39	48.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

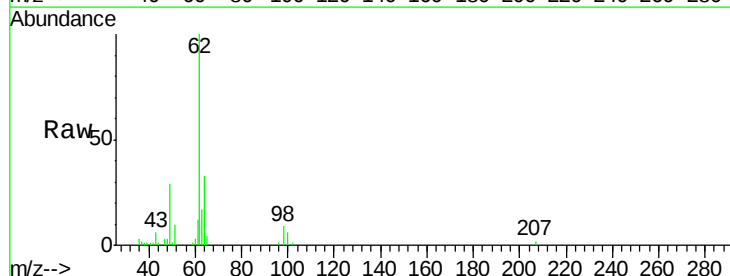


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

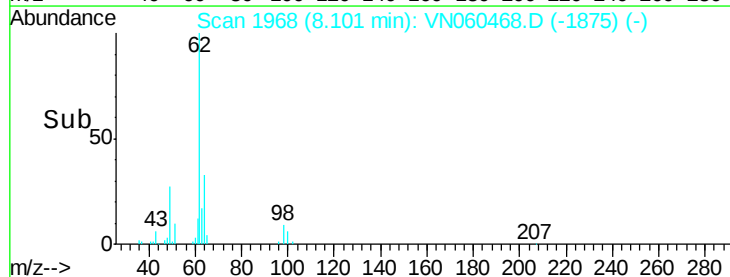
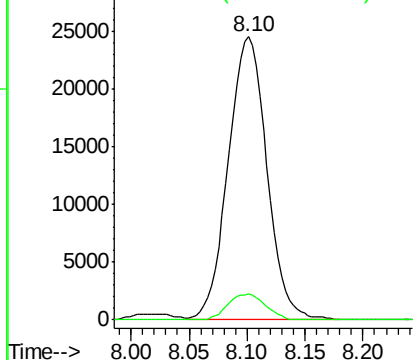


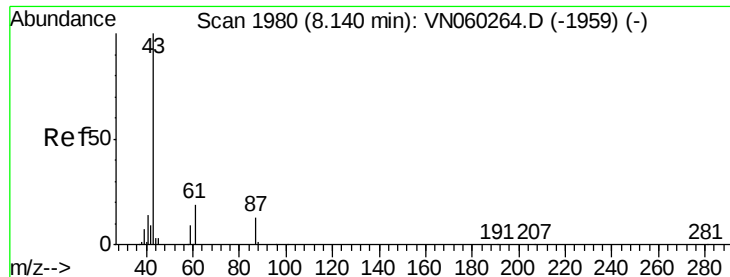
#42
1,2-Dichloroethane
Concen: 19.11 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion:	62	Resp:	56863
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 20.15 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

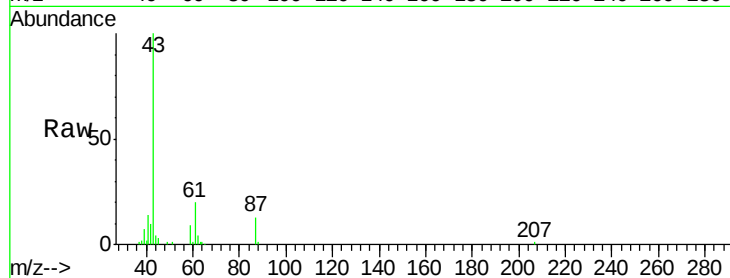
Tgt Ion: 43 Resp: 94641

Ion Ratio Lower Upper

43 100

61 25.8 20.9 31.3

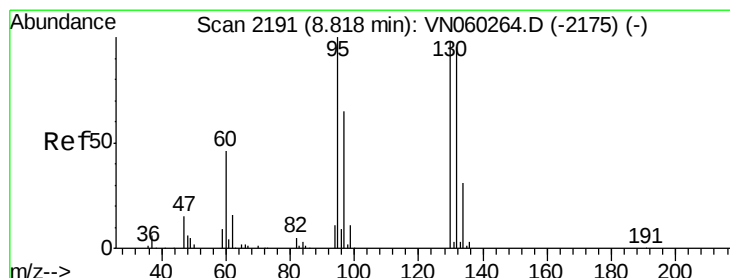
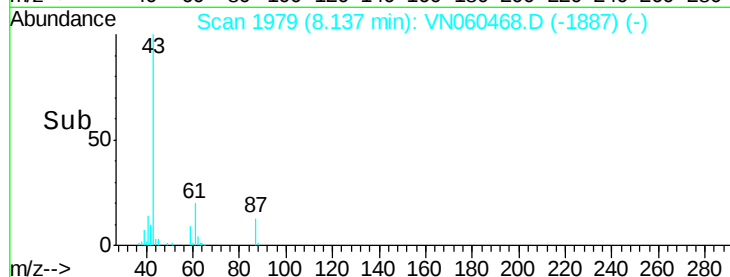
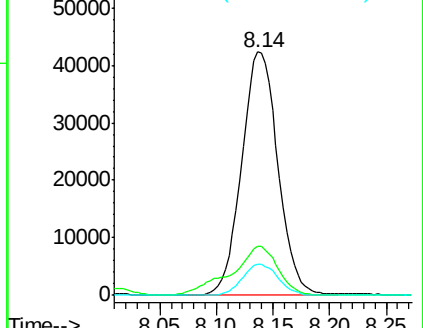
87 12.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#44

Trichloroethene

Concen: 17.68 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060468.D

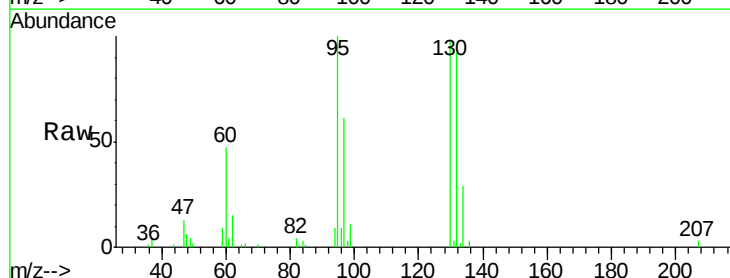
Acq: 12 Mar 2020 11:01

Tgt Ion: 130 Resp: 40592

Ion Ratio Lower Upper

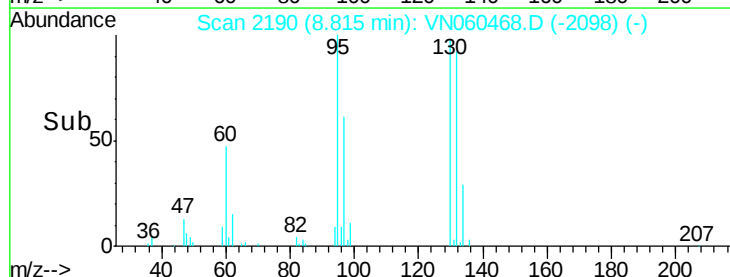
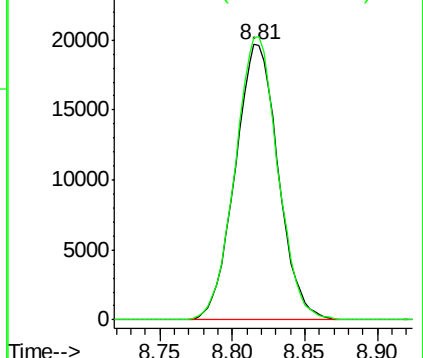
130 100

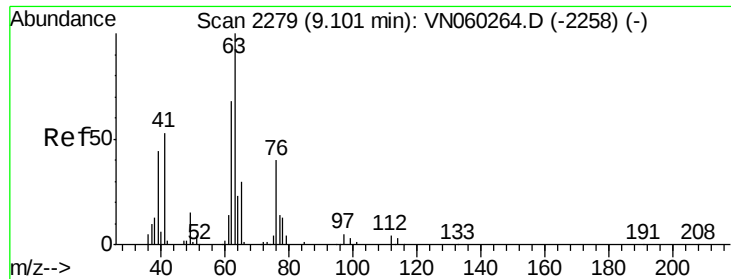
95 102.5 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 20.29 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

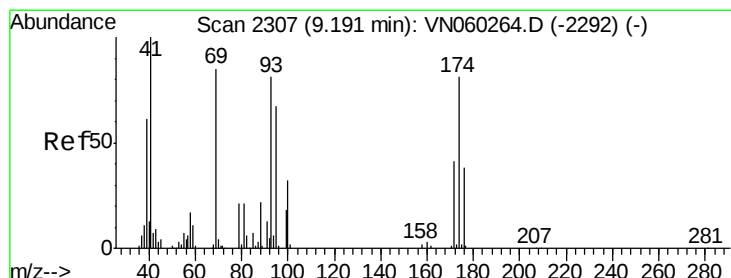
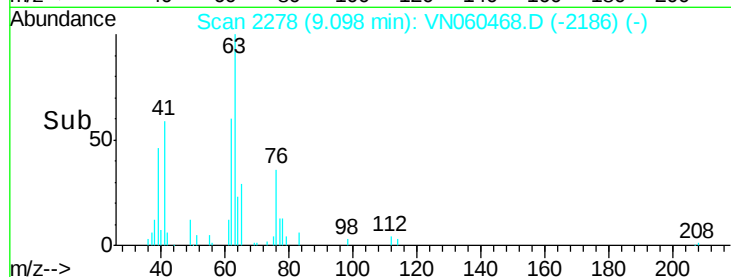
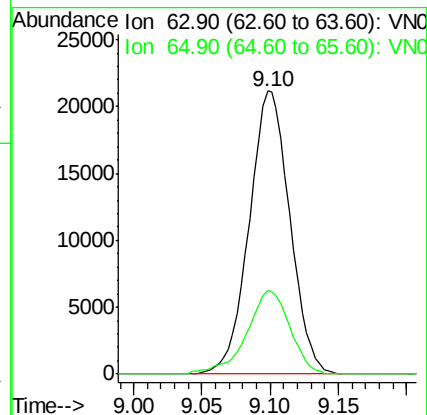
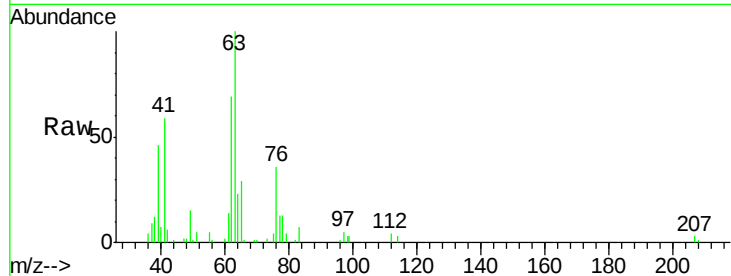
VN0312WBSD01

Tgt Ion: 63 Resp: 43747

Ion Ratio Lower Upper

63 100

65 29.5 24.4 36.6



#46

Dibromomethane

Concen: 18.68 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

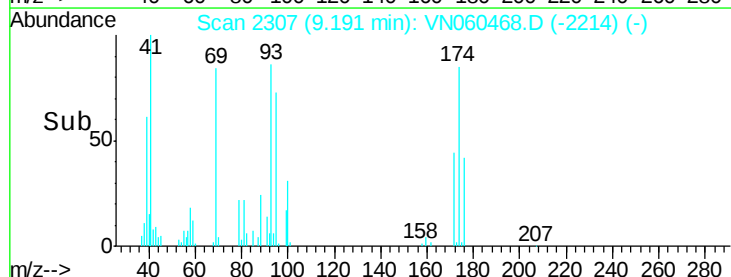
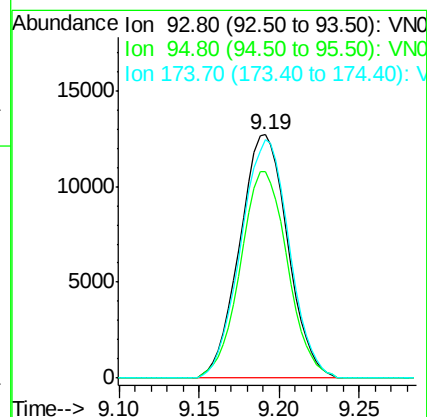
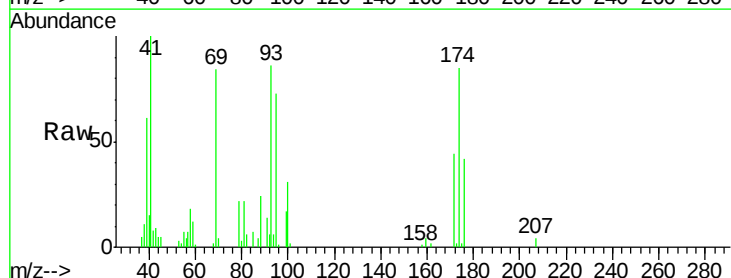
Tgt Ion: 93 Resp: 26132

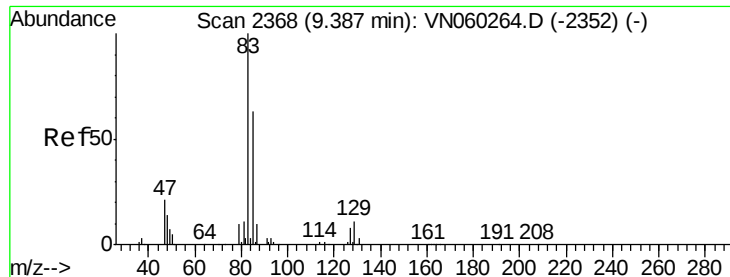
Ion Ratio Lower Upper

93 100

95 83.2 65.9 98.9

174 98.7 79.6 119.4





#47

Bromodichloromethane

Concen: 19.23 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

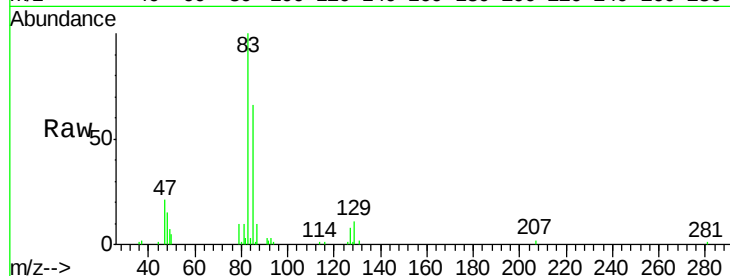
Tgt Ion: 83 Resp: 54694

Ion Ratio Lower Upper

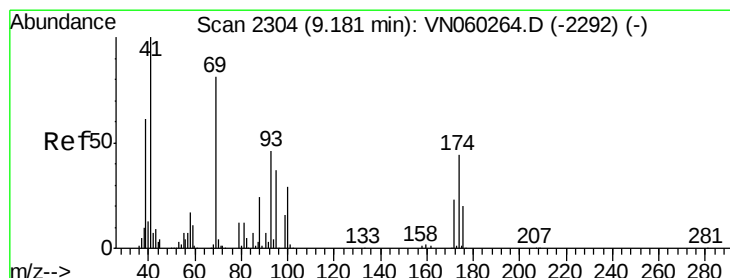
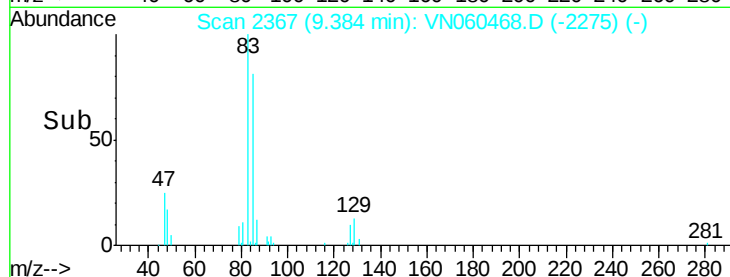
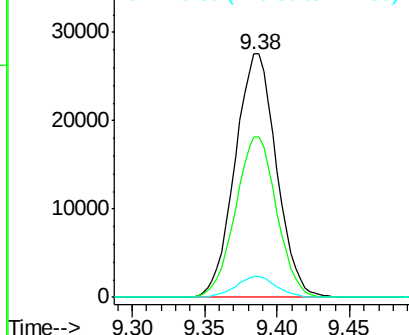
83 100

85 66.1 50.7 76.1

127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.64 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

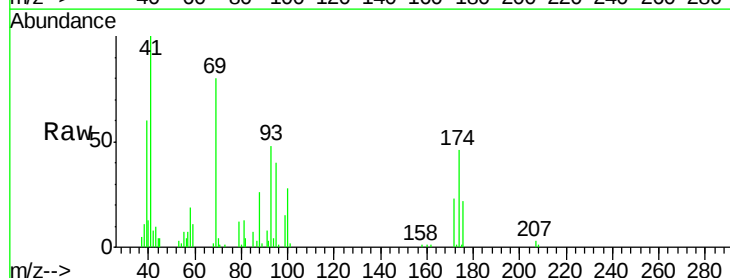
Tgt Ion: 41 Resp: 39916

Ion Ratio Lower Upper

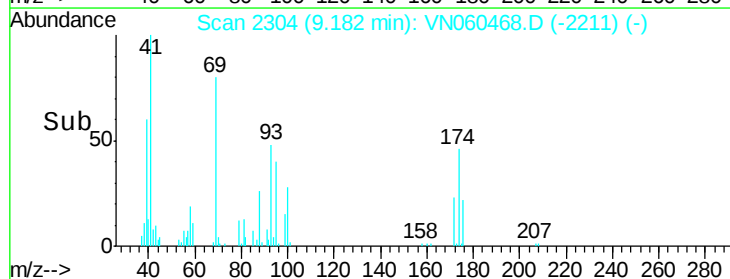
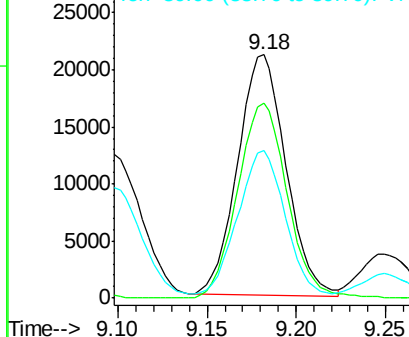
41 100

69 83.3 66.7 100.1

39 61.4 50.1 75.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

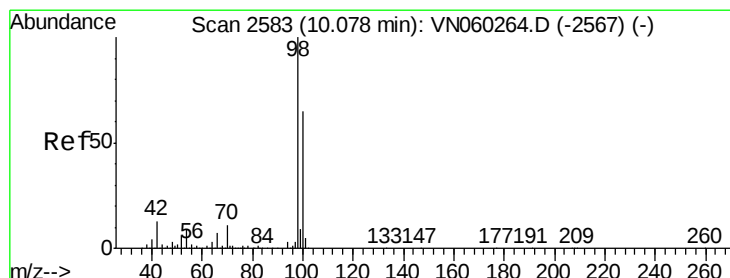
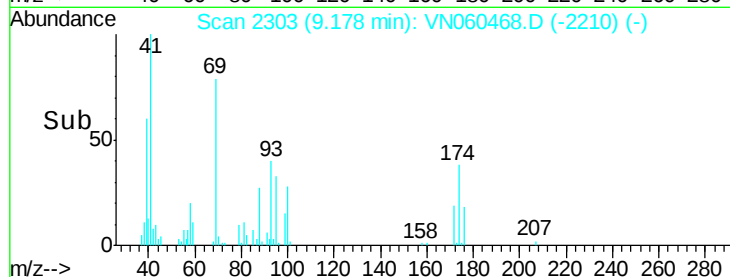
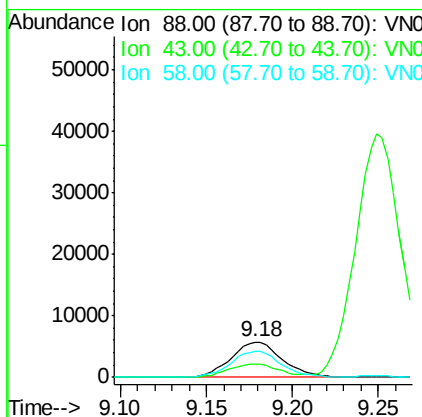
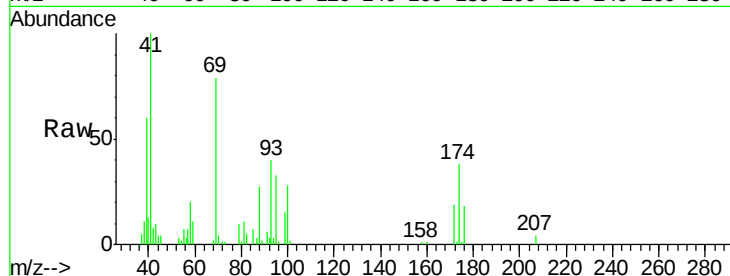




#49
 1,4-Dioxane
 Concen: 389.75 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

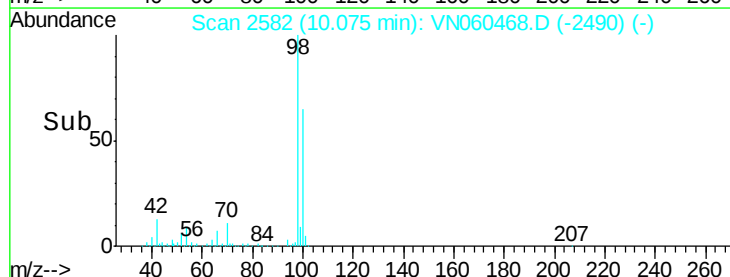
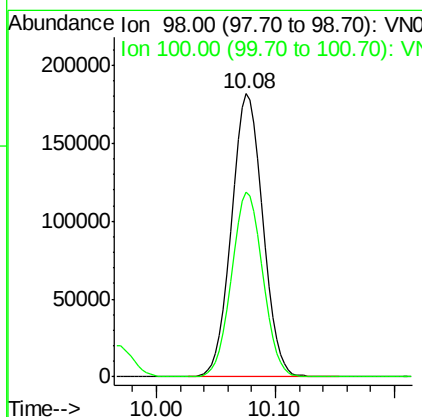
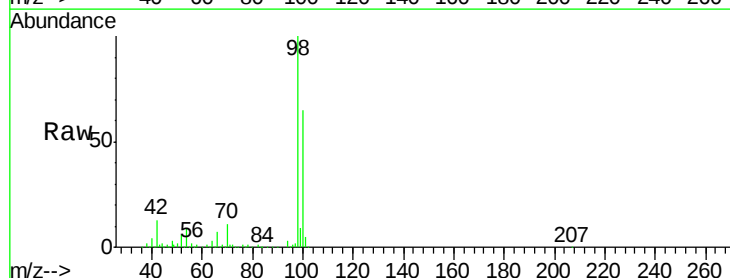
Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBSD01

Tgt Ion: 88 Resp: 11737
 Ion Ratio Lower Upper
 88 100
 43 37.5 30.4 45.6
 58 72.9 57.0 85.6



#50
 Toluene-d8
 Concen: 47.59 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 98 Resp: 332331
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.2 78.2

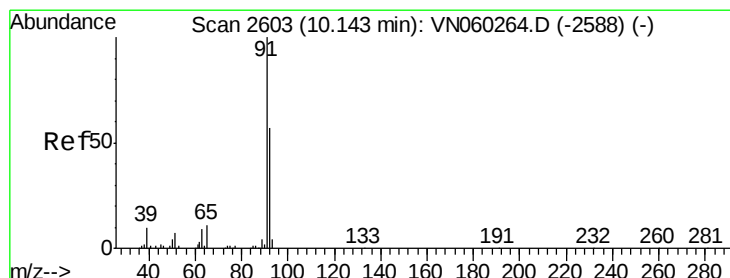
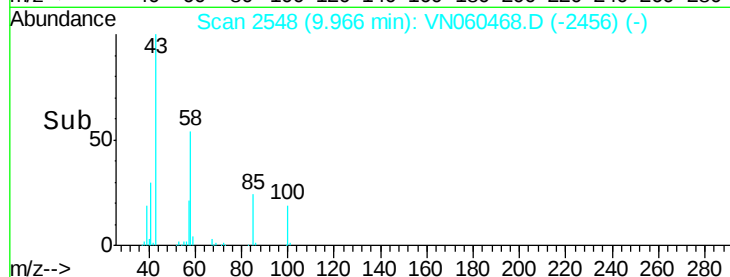
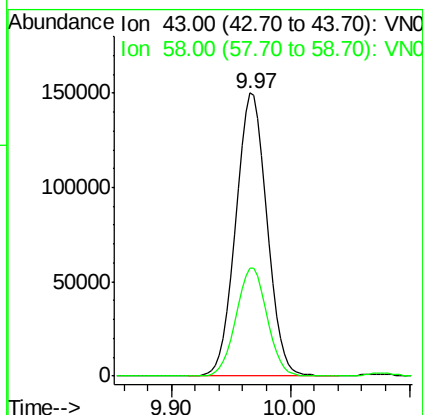
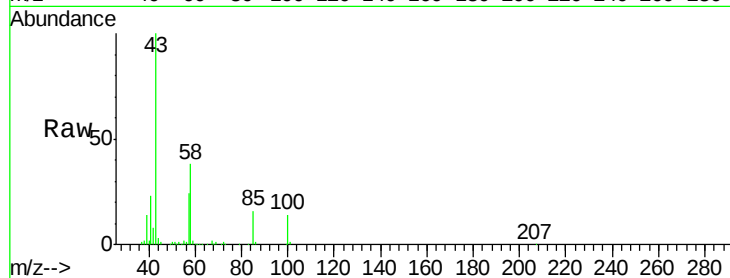




#51
 4-Methyl-2-Pentanone
 Concen: 102.48 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

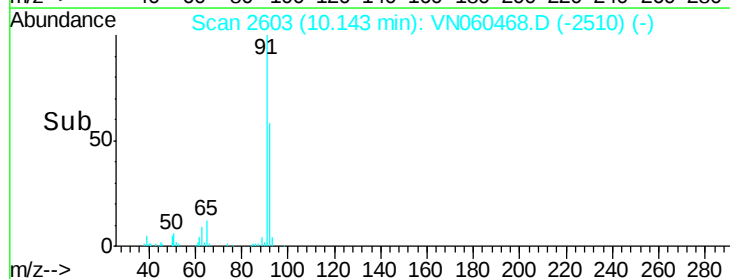
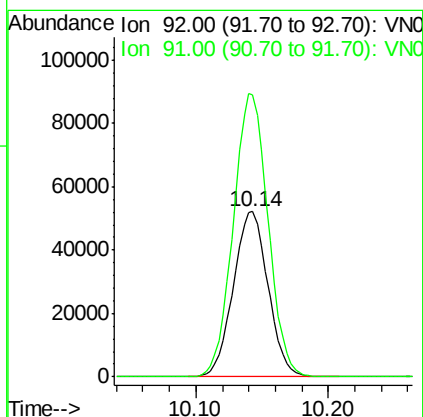
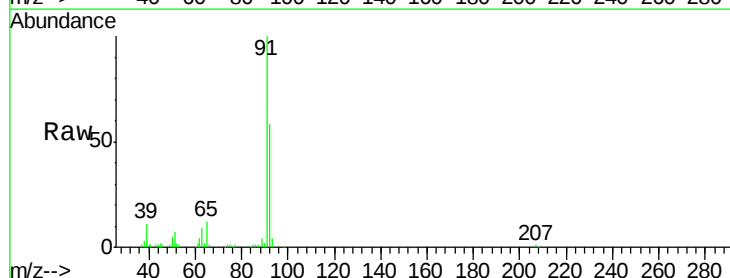
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

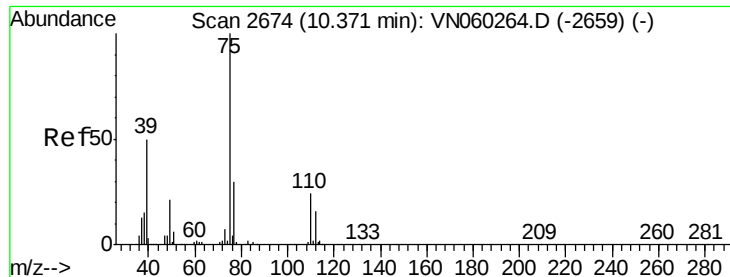
Tgt Ion: 43 Resp: 272846
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.9 46.3



#52
 Toluene
 Concen: 18.29 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 92 Resp: 94706
 Ion Ratio Lower Upper
 92 100
 91 171.6 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 18.50 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

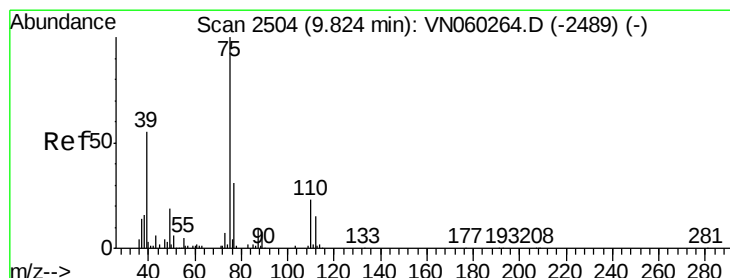
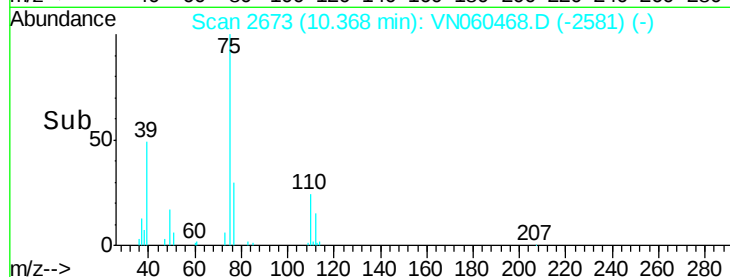
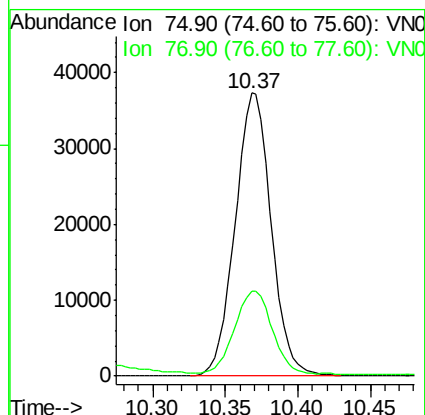
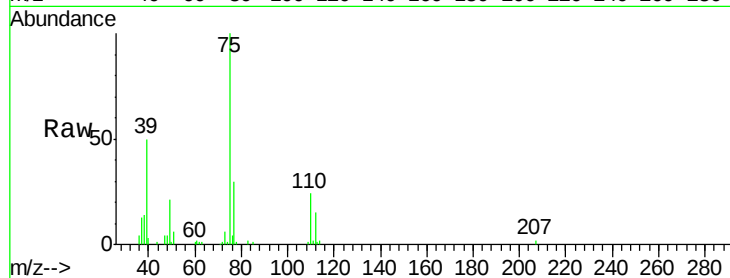
VN0312WBSD01

Tgt Ion: 75 Resp: 64477

Ion Ratio Lower Upper

75 100

77 29.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 18.84 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

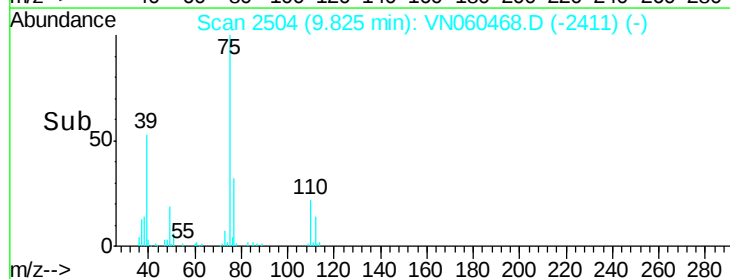
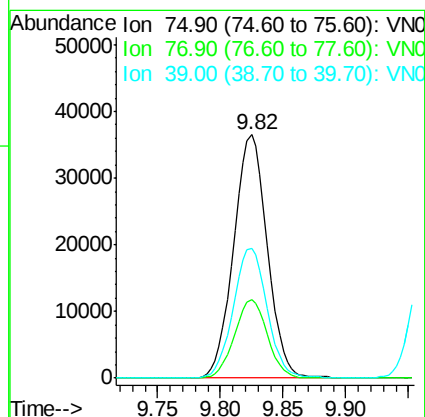
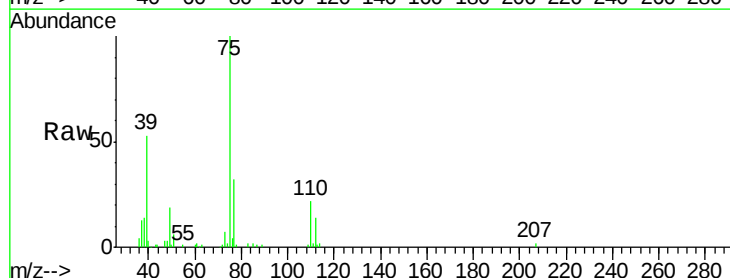
Tgt Ion: 75 Resp: 68068

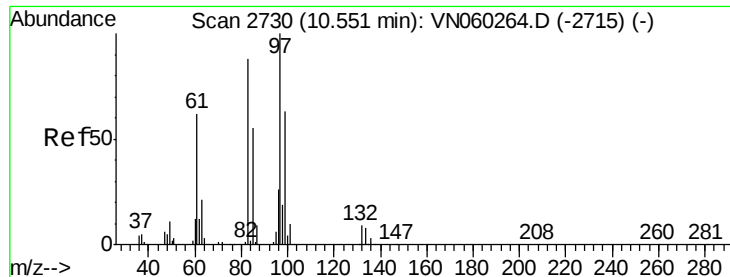
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 53.3 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 19.13 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampled :

VN0312WBSD01

Tgt Ion: 97 Resp: 39838

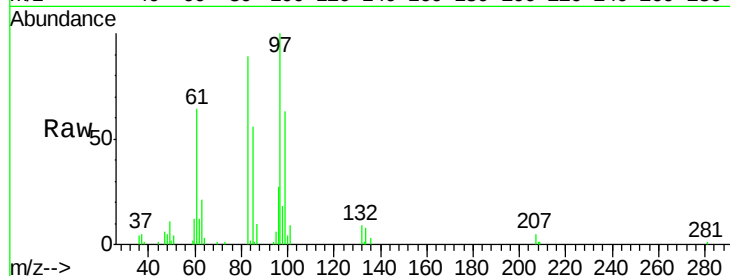
Ion Ratio Lower Upper

97 100

83 88.7 70.0 105.0

85 55.6 44.0 66.0

99 63.2 50.4 75.6

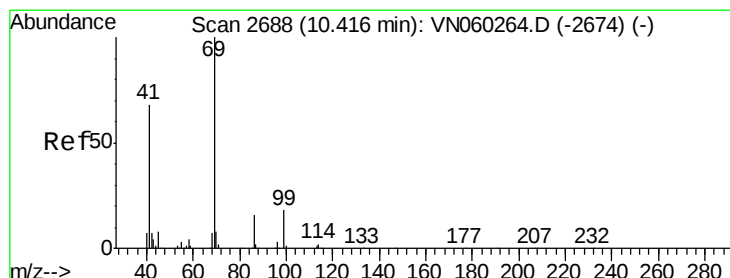
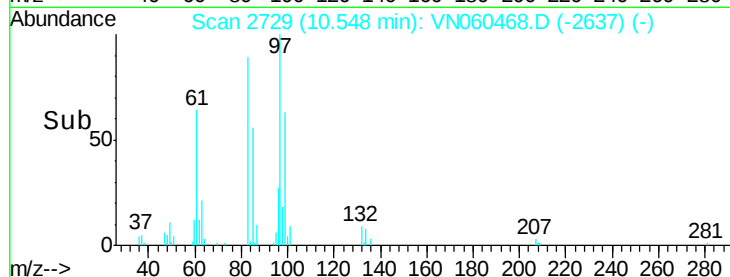
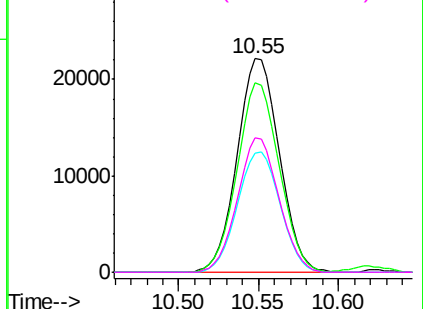


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 18.93 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

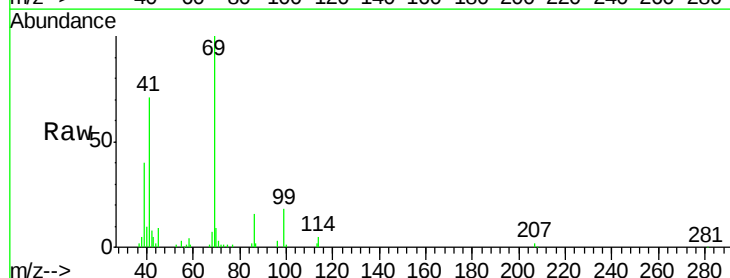
Tgt Ion: 69 Resp: 56654

Ion Ratio Lower Upper

69 100

41 72.2 54.1 81.1

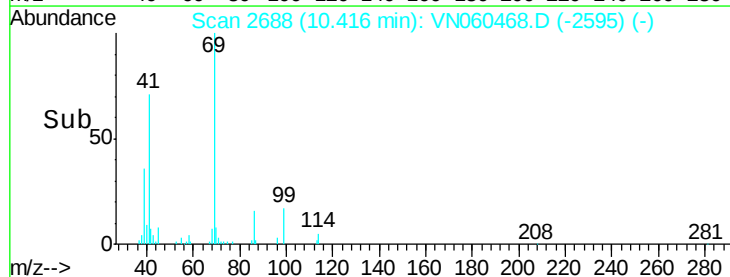
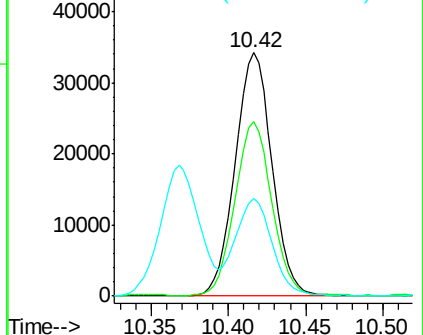
39 40.3 32.5 48.7

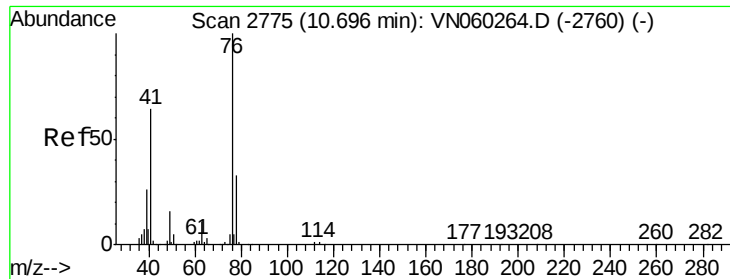


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

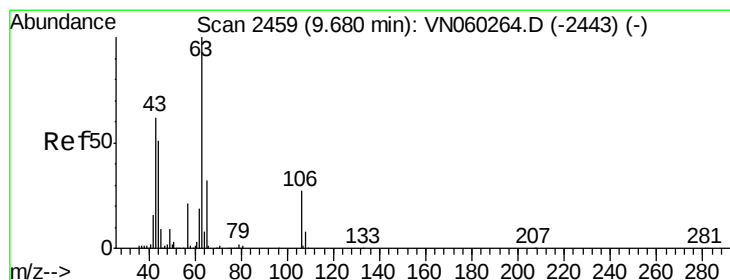
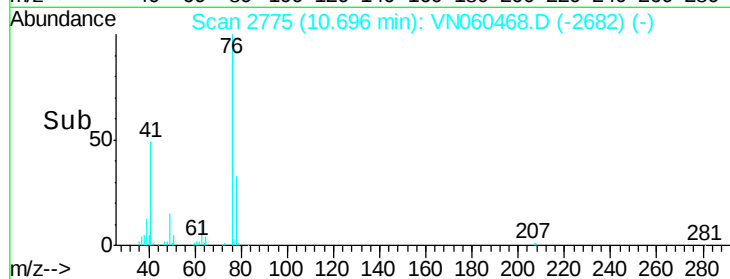
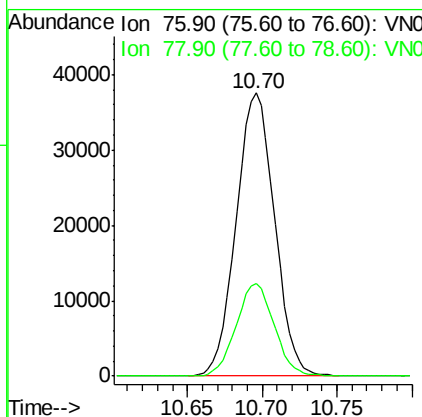
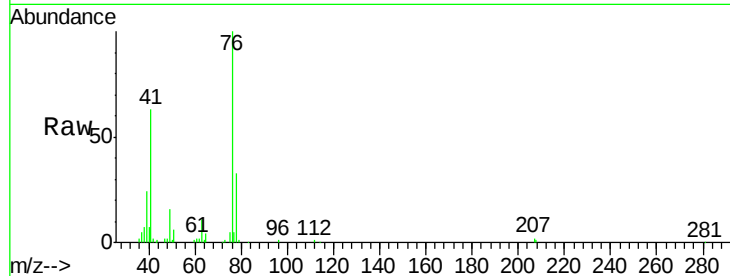




#57
 1,3-Dichloropropane
 Concen: 19.77 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

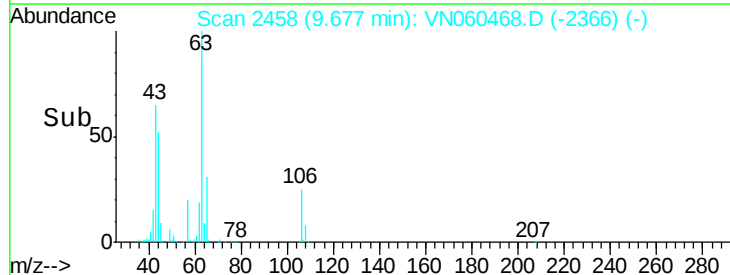
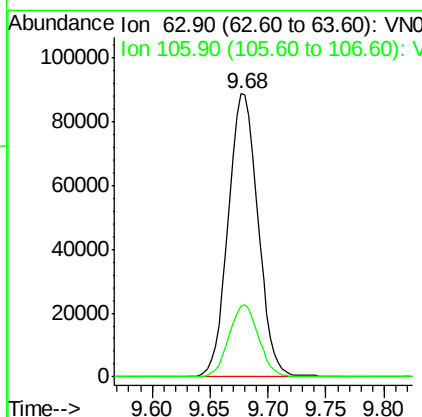
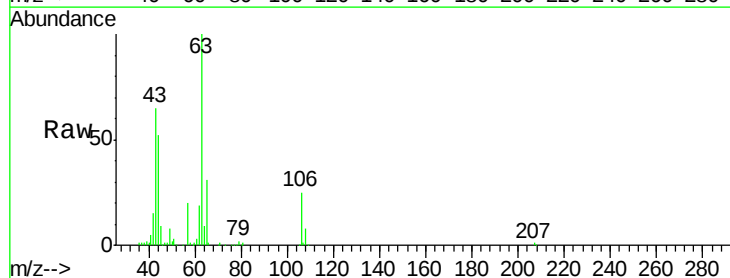
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

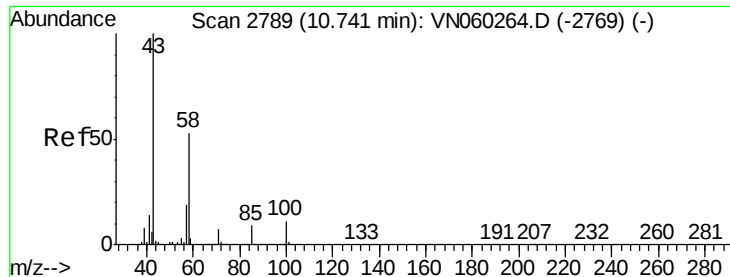
Tgt Ion: 76 Resp: 67138
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.84 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 63 Resp: 157816
 Ion Ratio Lower Upper
 63 100
 106 25.3 21.1 31.7

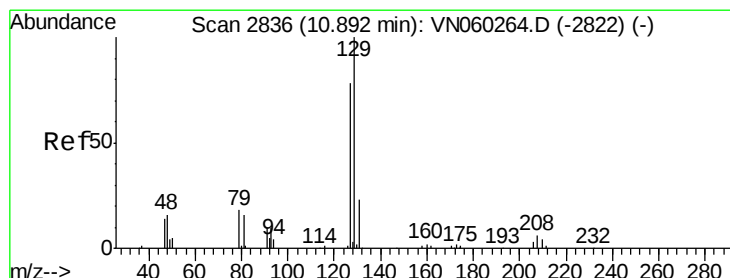
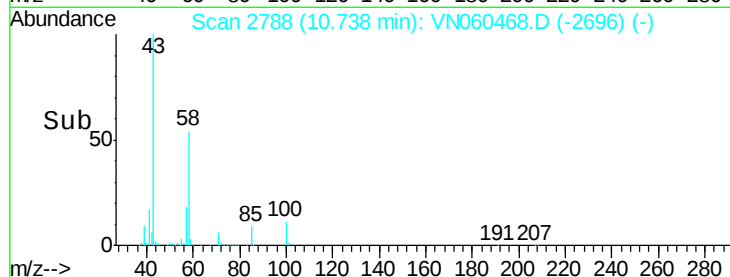
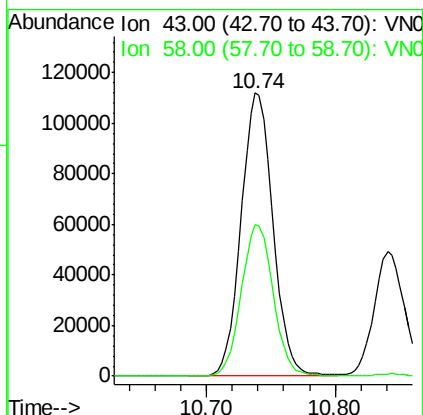
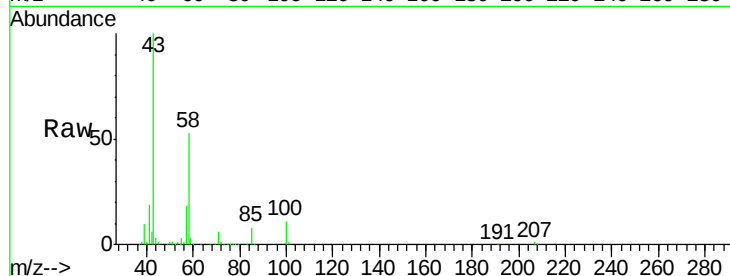




#59
2-Hexanone
Concen: 98.52 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

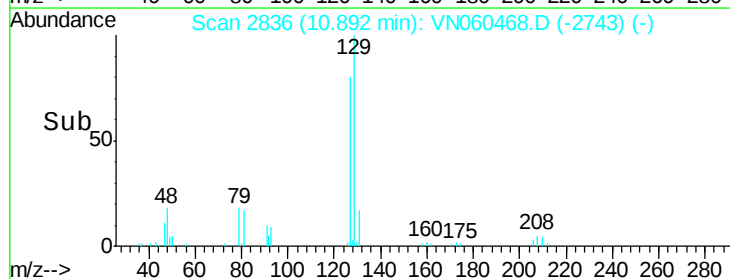
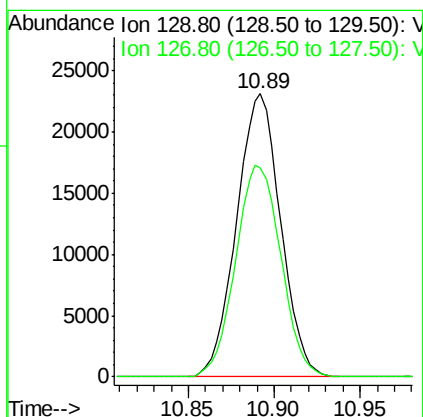
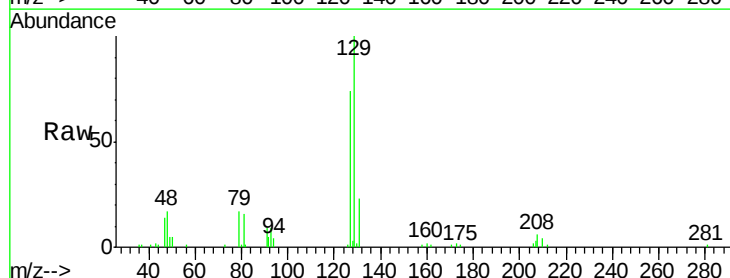
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion: 43 Resp: 192591
Ion Ratio Lower Upper
43 100
58 53.7 26.5 79.5



#60
Dibromochloromethane
Concen: 19.39 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion: 129 Resp: 41076
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7

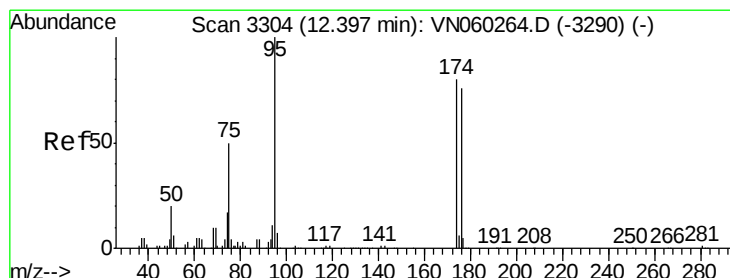
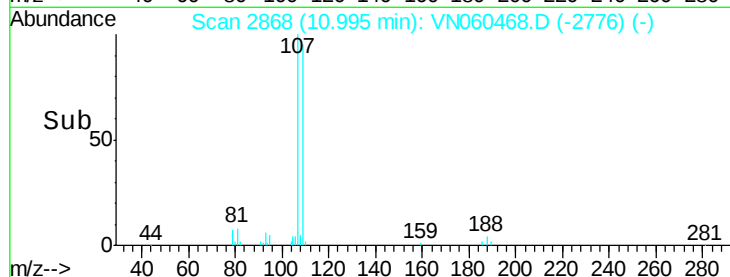
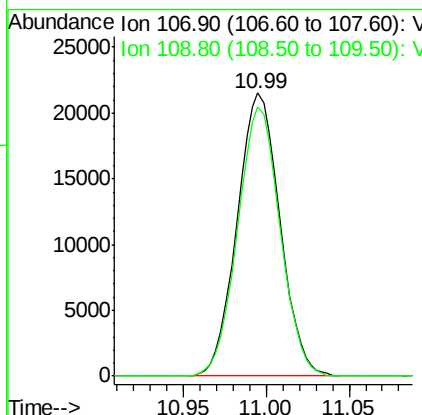
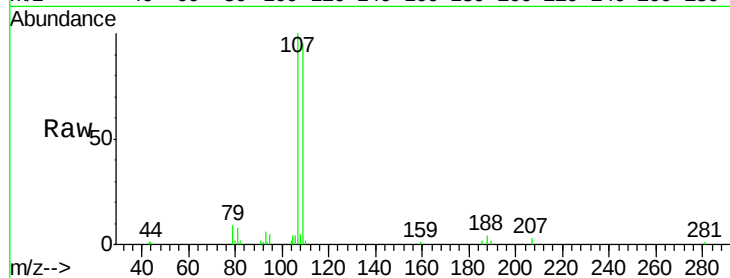




#61
 1,2-Dibromoethane
 Concen: 19.01 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

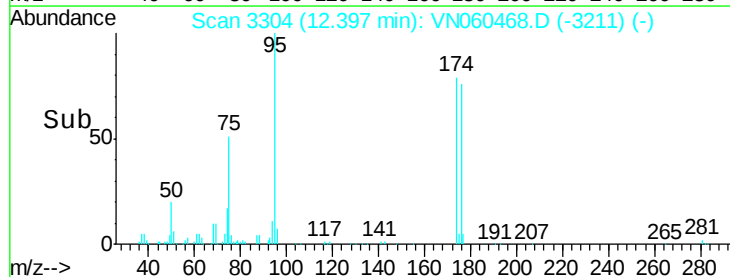
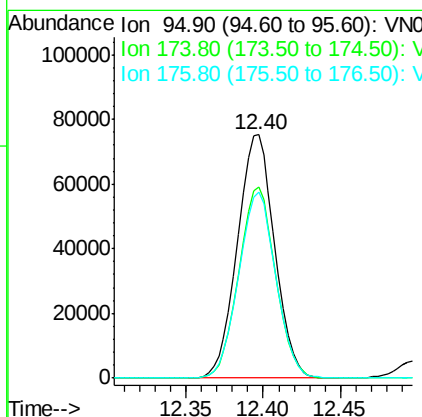
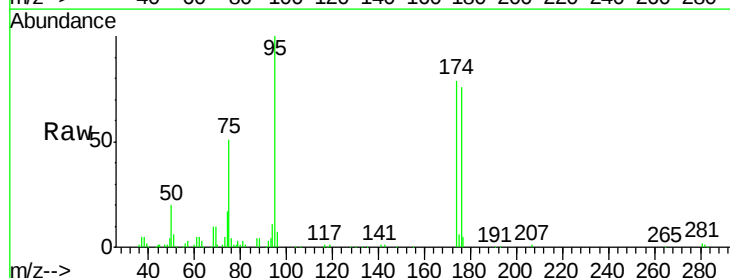
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion: 107 Resp: 38602
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 47.50 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 95 Resp: 125725
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 159.2
 176 76.1 0.0 153.8

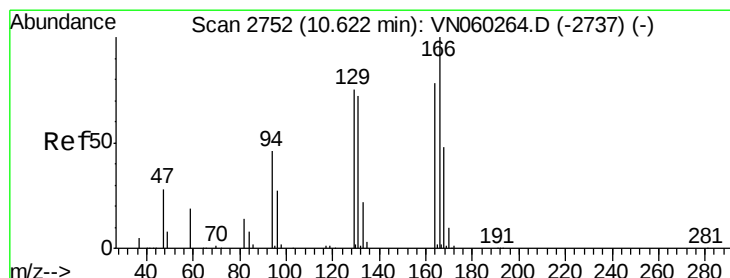
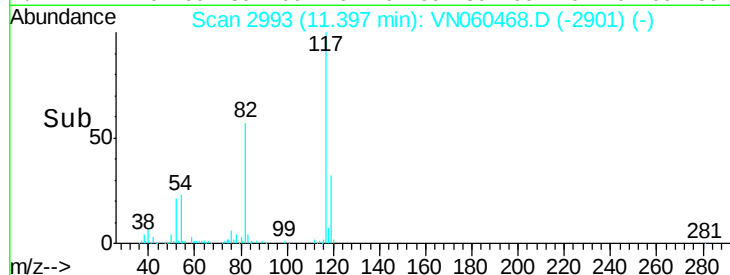
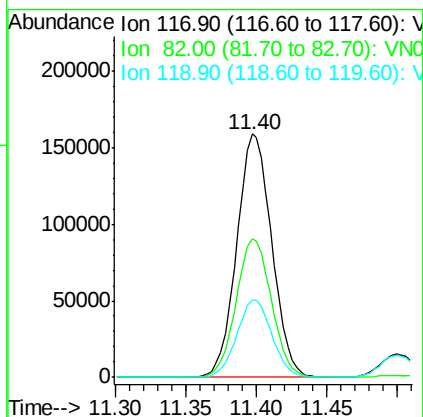
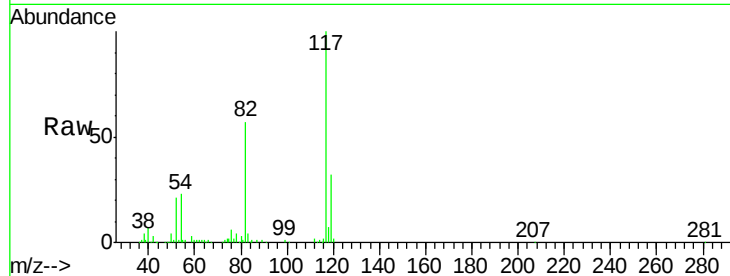




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

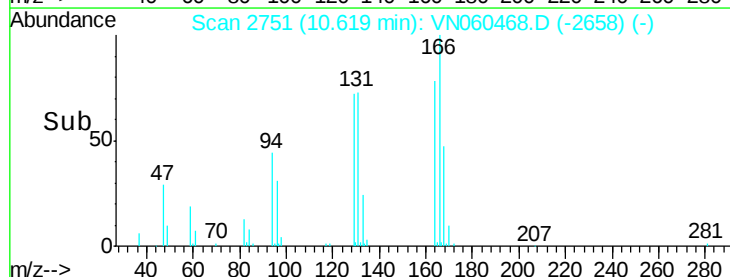
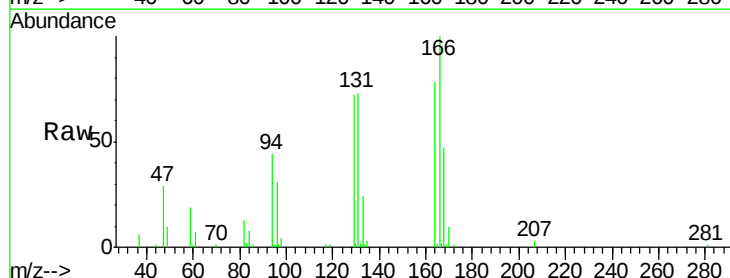
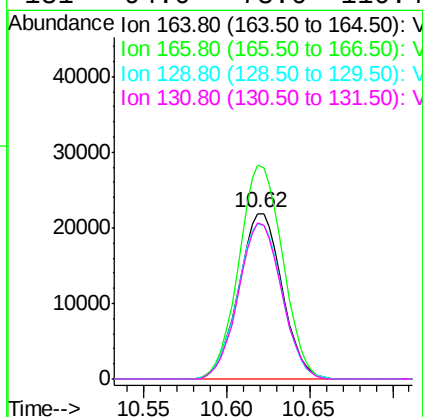
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion:117 Resp: 276462
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.6
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 17.35 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion:164 Resp: 39781
Ion Ratio Lower Upper
164 100
166 128.9 102.0 153.0
129 93.2 76.4 114.6
131 94.0 73.6 110.4





#65

Chlorobenzene

Concen: 17.77 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

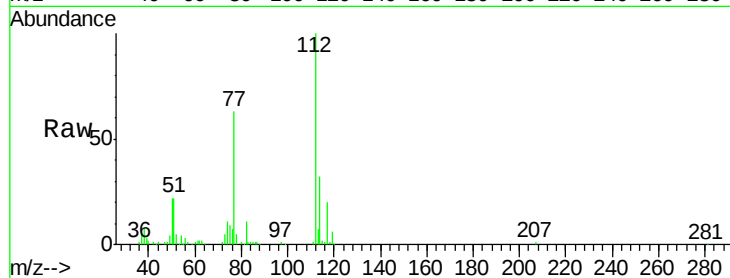
VN0312WBSD01

Tgt Ion:112 Resp: 99212

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

60000

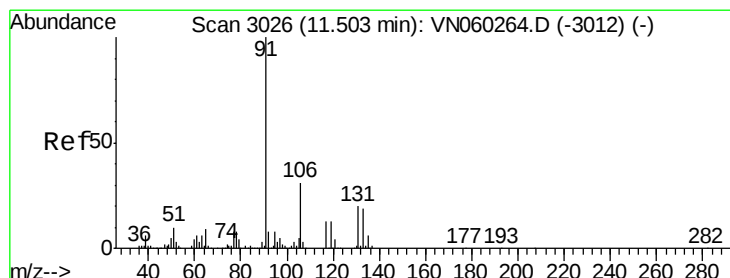
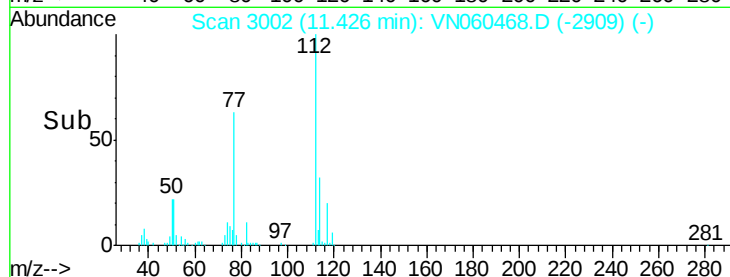
40000

20000

0

11.35 11.40 11.45 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.48 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

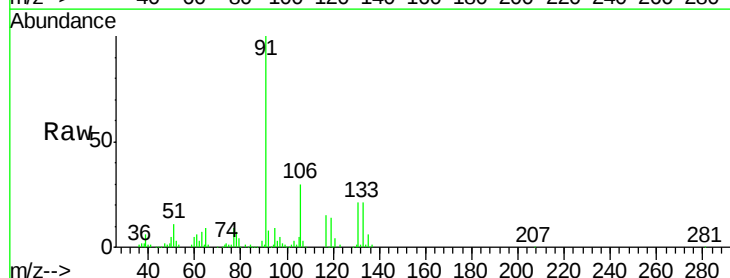
Tgt Ion:131 Resp: 38151

Ion Ratio Lower Upper

131 100

133 99.5 47.7 143.1

119 66.1 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

30000

25000

20000

15000

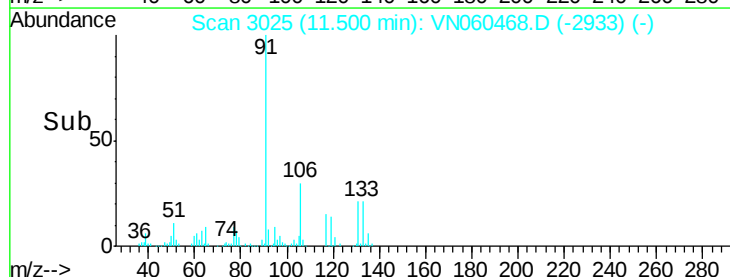
10000

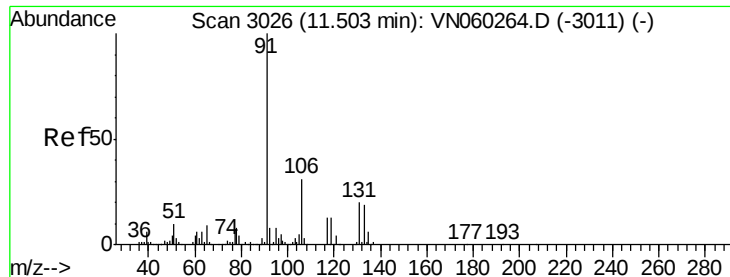
5000

0

11.45 11.50 11.55

Time-->





#67

Ethyl Benzene

Concen: 17.96 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

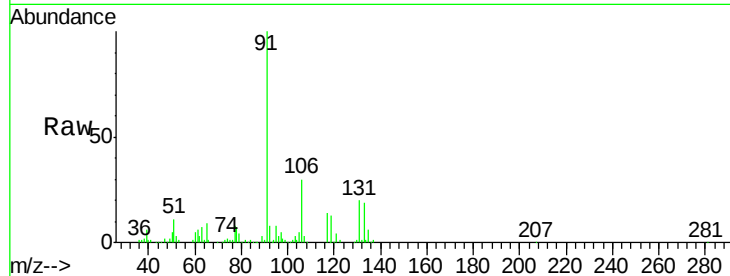
VN0312WBSD01

Tgt Ion: 91 Resp: 182543

Ion Ratio Lower Upper

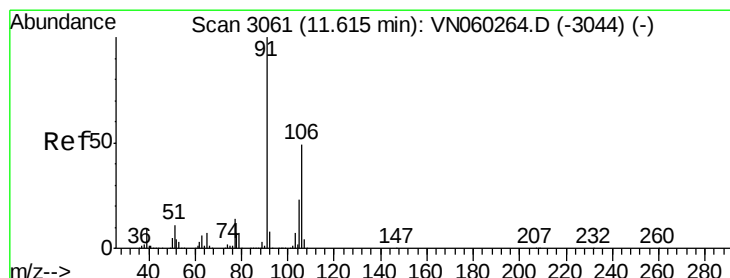
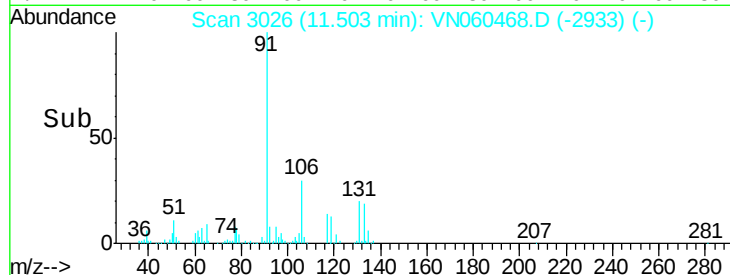
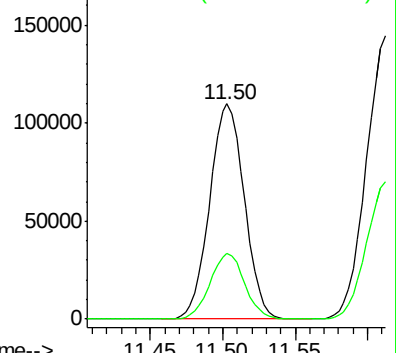
91 100

106 30.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060468.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060468.D (-2933) (-)



#68

m/p-Xylenes

Concen: 35.11 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060468.D

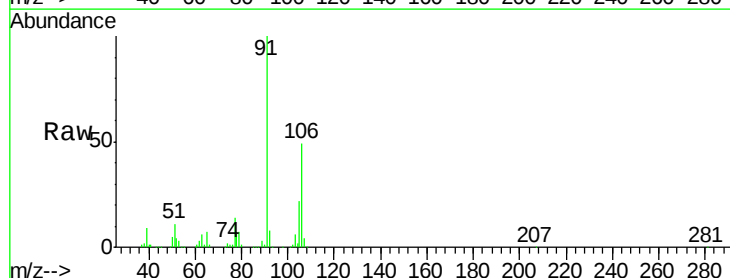
Acq: 12 Mar 2020 11:01

Tgt Ion: 106 Resp: 134649

Ion Ratio Lower Upper

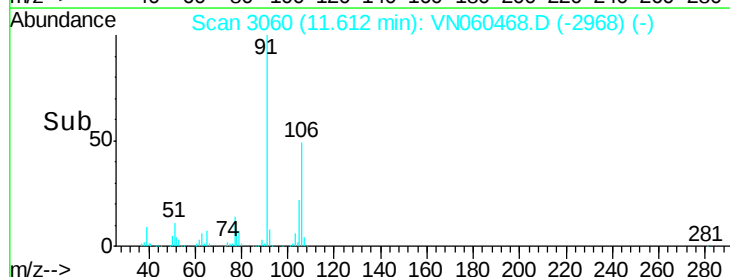
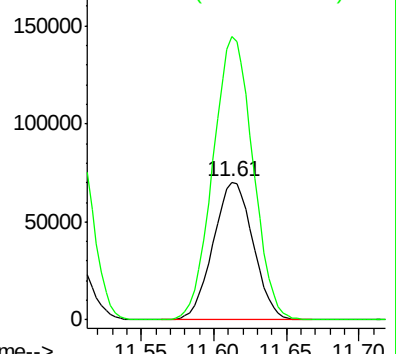
106 100

91 206.0 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060468.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060468.D (-2968) (-)

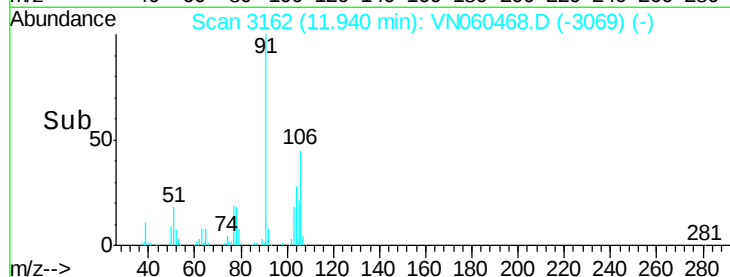
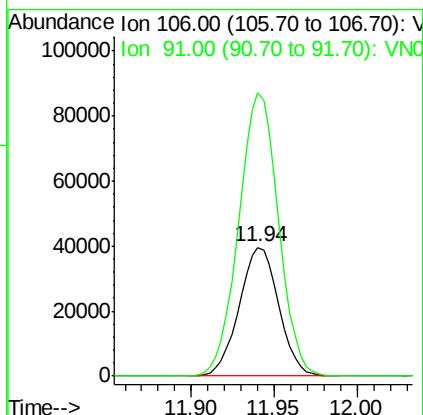
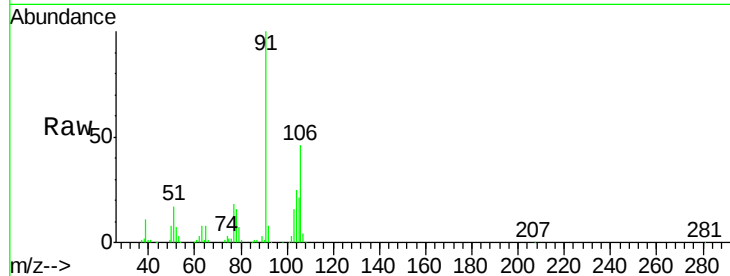




#69
o-Xylene
Concen: 17.91 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

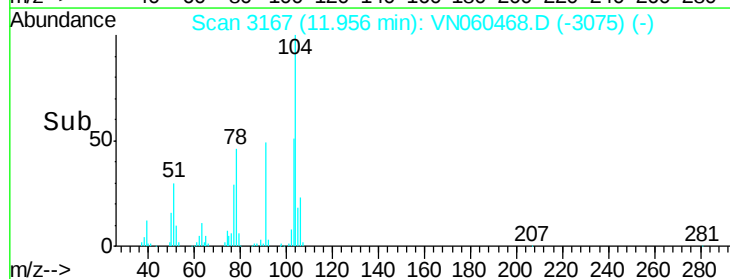
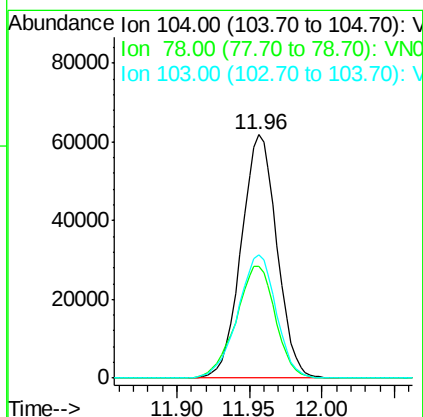
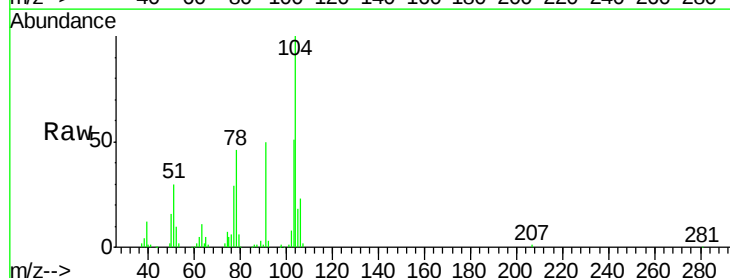
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

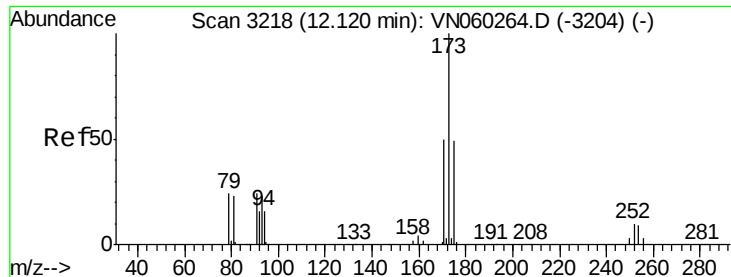
Tgt Ion:106 Resp: 65489
Ion Ratio Lower Upper
106 100
91 221.1 109.5 328.4



#70
Styrene
Concen: 17.59 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion:104 Resp: 105748
Ion Ratio Lower Upper
104 100
78 50.8 41.2 61.8
103 54.4 43.9 65.9

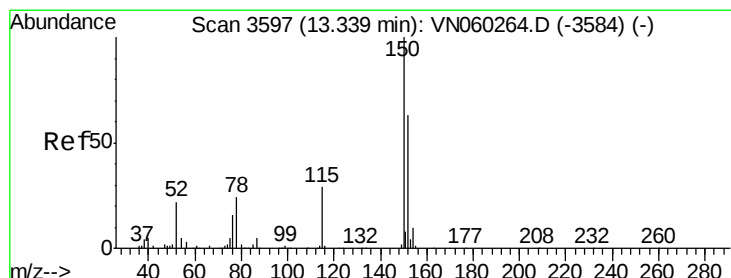
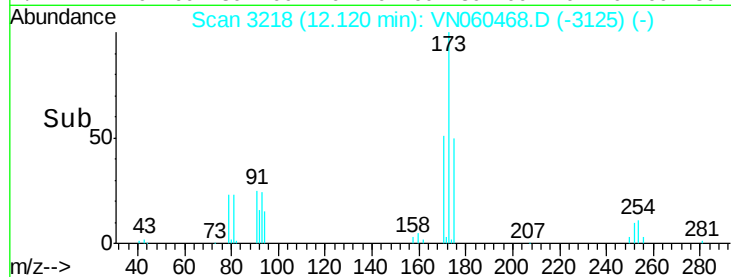
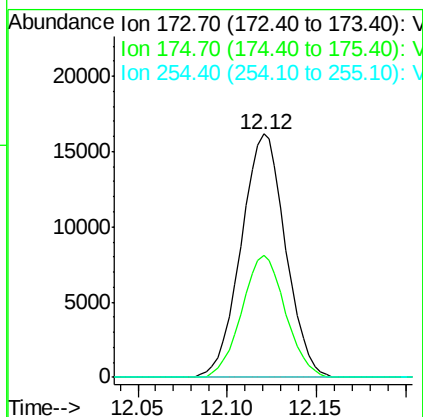
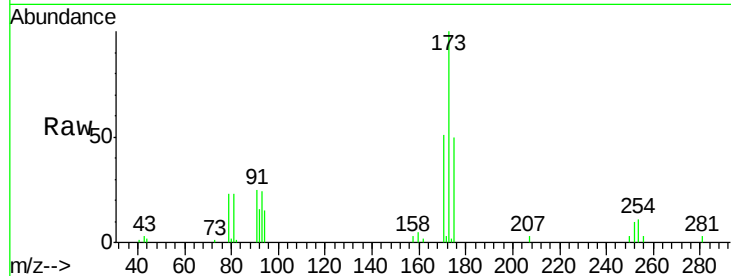




#71
 Bromoform
 Concen: 18.92 ug/l
 RT: 12.12 min Scan# 3218
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

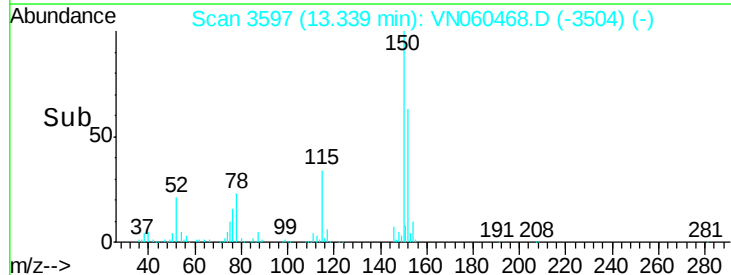
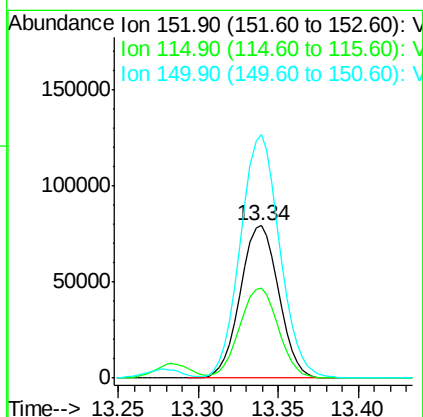
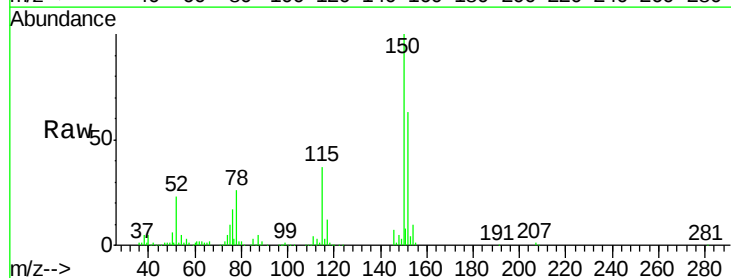
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

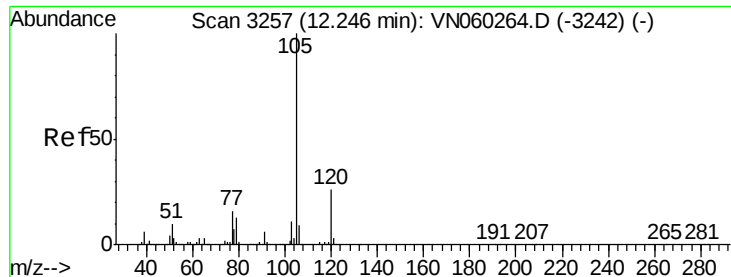
Tgt Ion:173 Resp: 28139
 Ion Ratio Lower Upper
 173 100
 175 49.2 24.1 72.2
 254 0.0 0.0 0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion:152 Resp: 130076
 Ion Ratio Lower Upper
 152 100
 115 59.5 30.0 90.0
 150 163.9 0.0 349.6





#73

Isopropylbenzene

Concen: 18.26 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

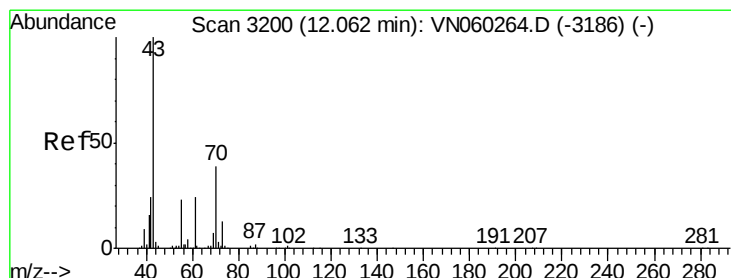
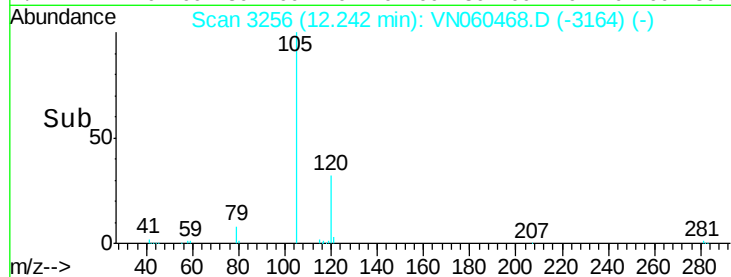
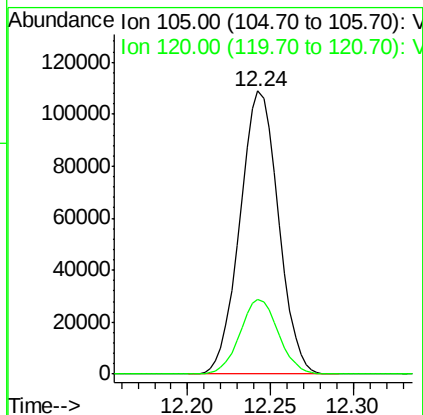
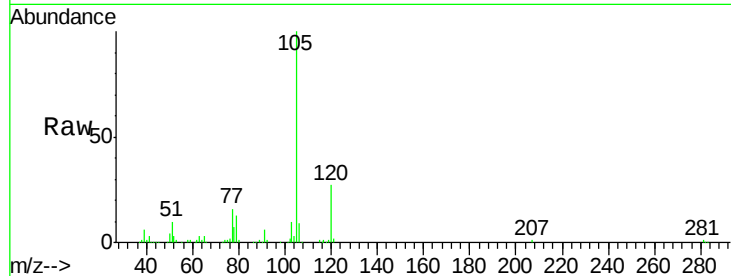
VN0312WBSD01

Tgt Ion: 105 Resp: 176048

Ion Ratio Lower Upper

105 100

120 26.3 13.0 38.9



#74

N-ethyl acetate

Concen: 18.99 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion: 43 Resp: 79992

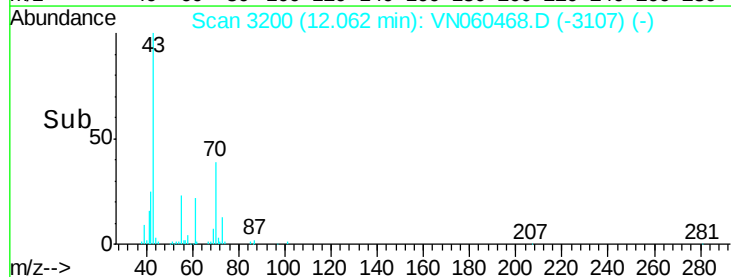
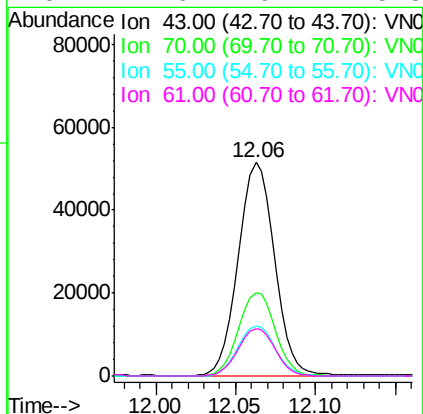
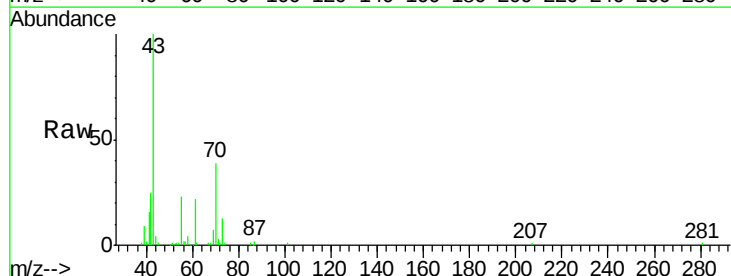
Ion Ratio Lower Upper

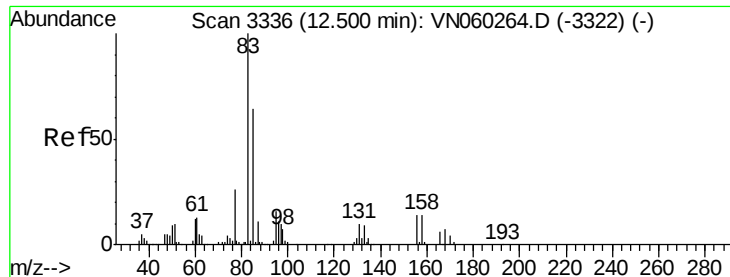
43 100

70 39.4 32.2 48.2

55 23.8 18.2 27.4

61 22.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.76 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

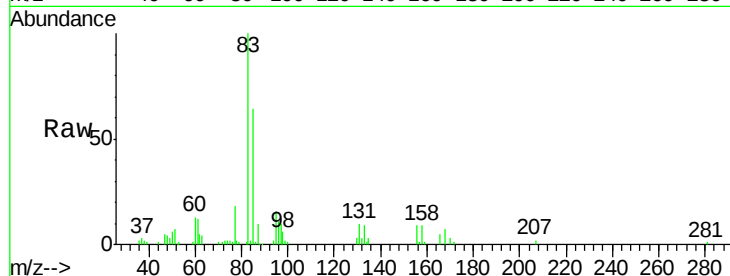
Tgt Ion: 83 Resp: 54417

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

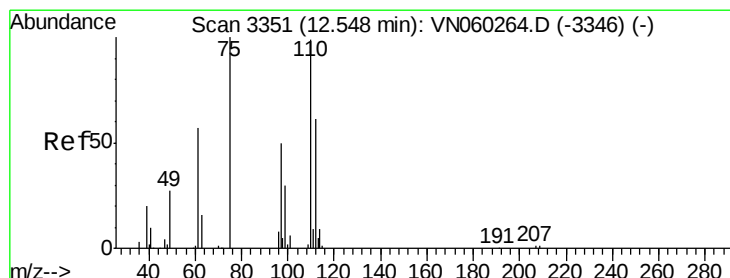
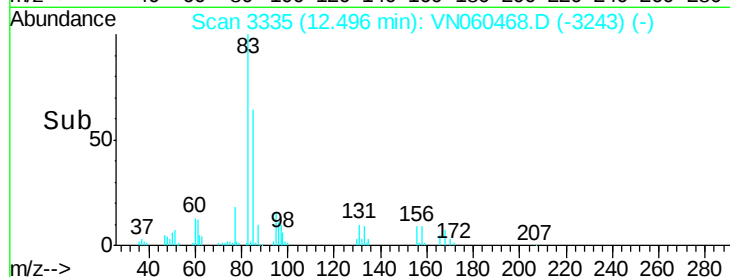
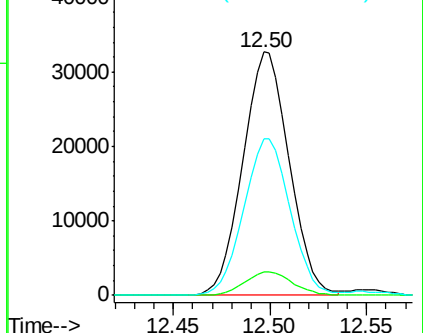
85 64.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.62 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060468.D

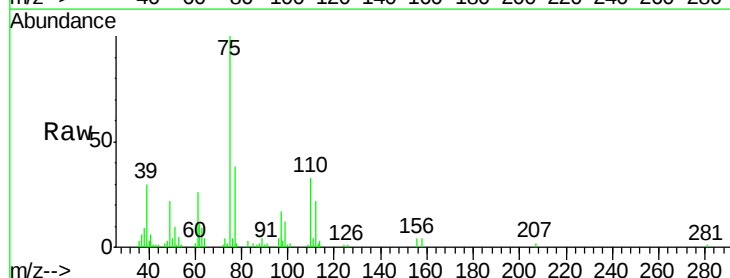
Acq: 12 Mar 2020 11:01

Tgt Ion: 75 Resp: 73109

Ion Ratio Lower Upper

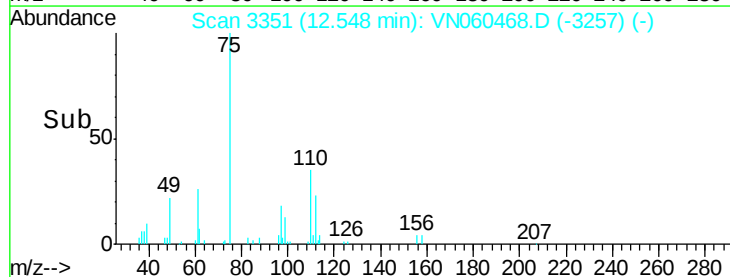
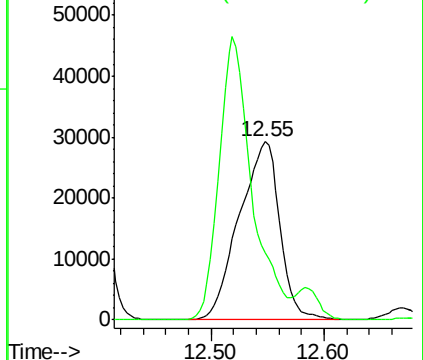
75 100

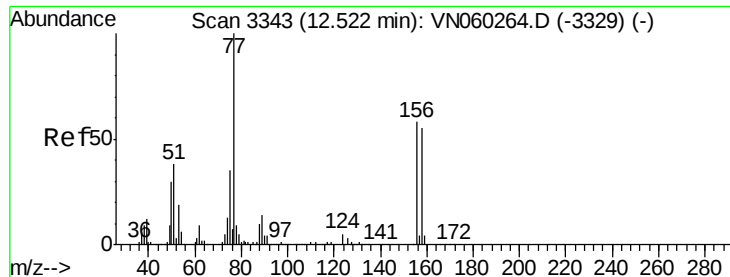
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.04 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

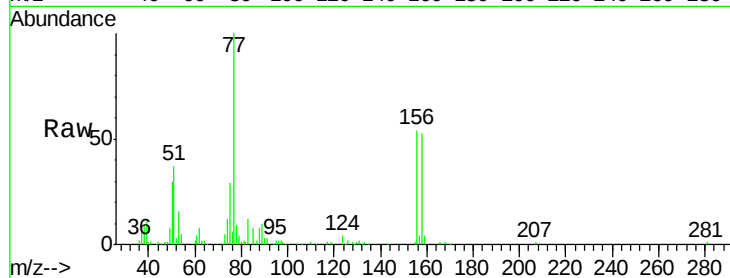
Tgt Ion:156 Resp: 42623

Ion Ratio Lower Upper

156 100

77 220.4 106.1 318.3

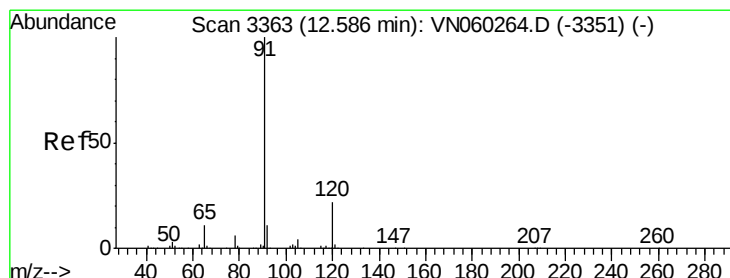
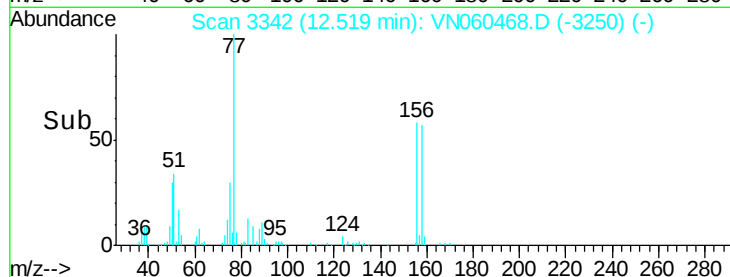
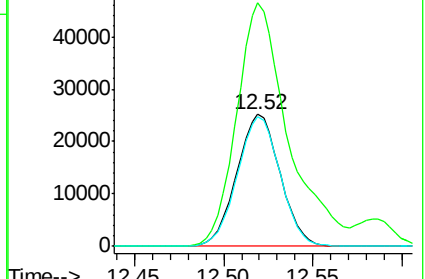
158 97.7 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.14 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060468.D

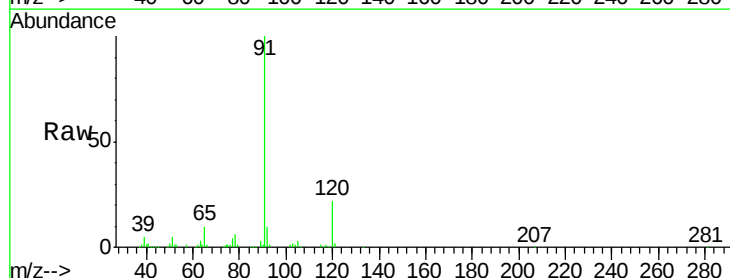
Acq: 12 Mar 2020 11:01

Tgt Ion: 91 Resp: 204971

Ion Ratio Lower Upper

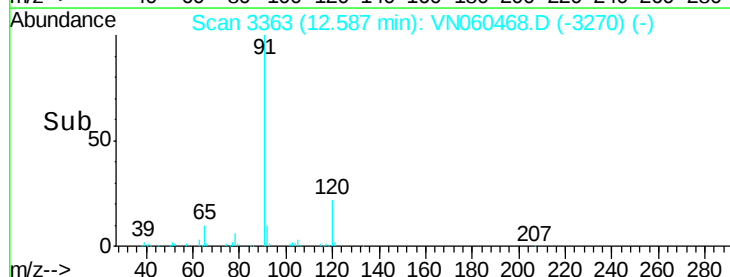
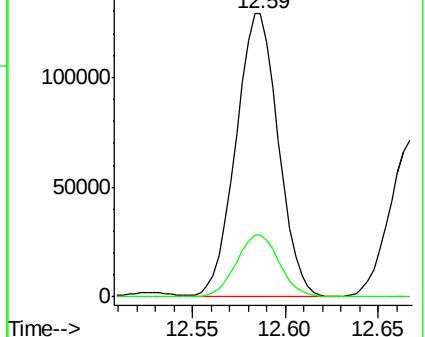
91 100

120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.28 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampled :

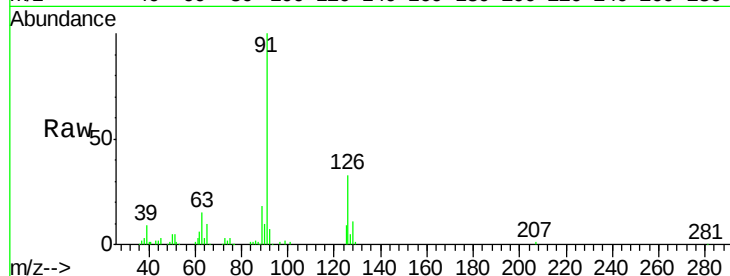
VN0312WBSD01

Tgt Ion: 91 Resp: 121409

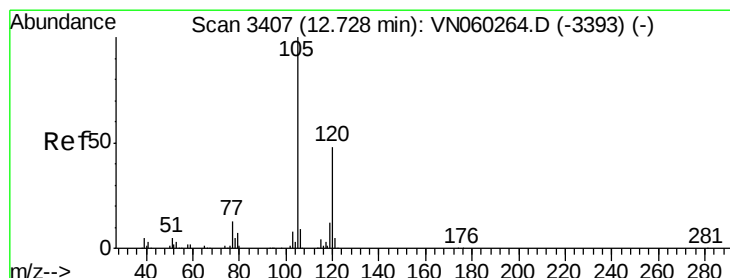
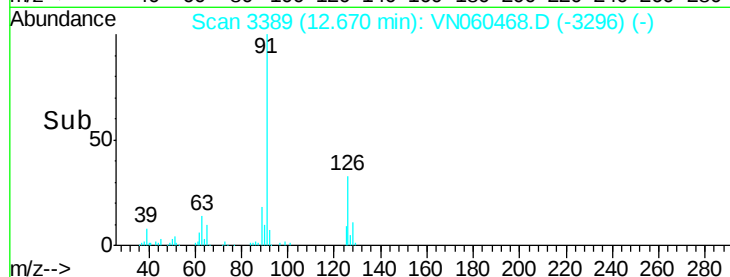
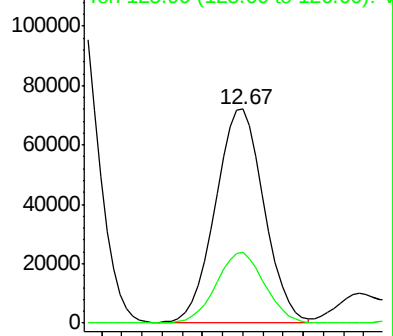
Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060468.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.15 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060468.D

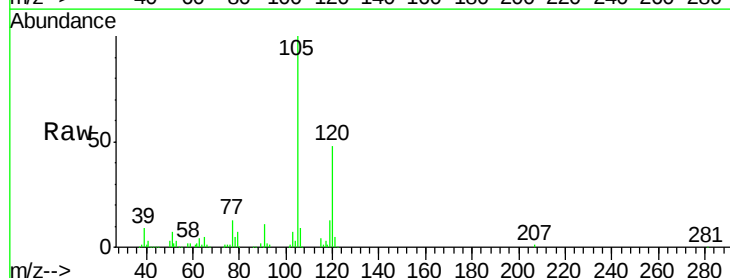
Acq: 12 Mar 2020 11:01

Tgt Ion: 105 Resp: 147369

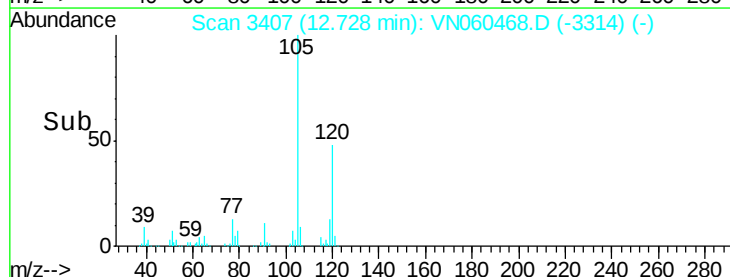
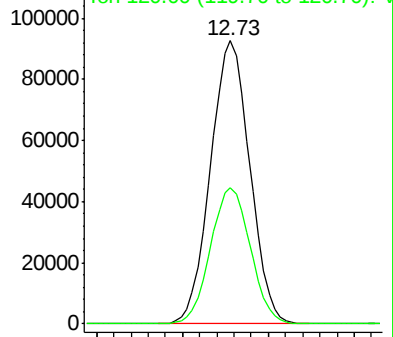
Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060468.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.39 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

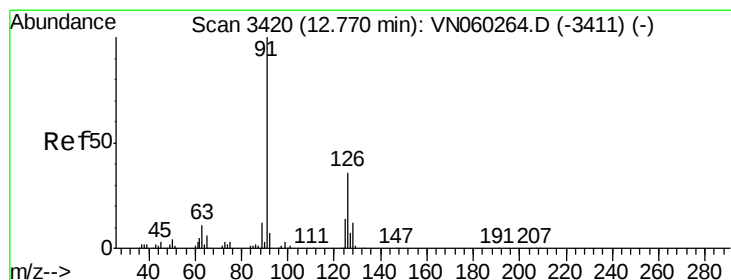
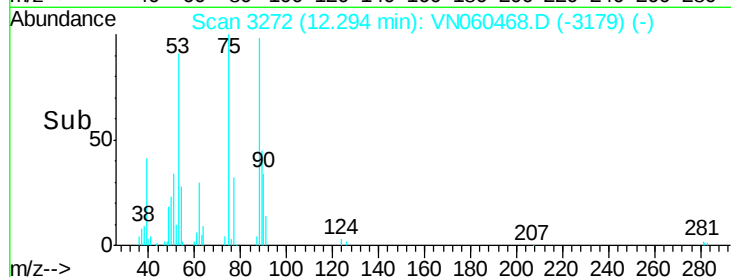
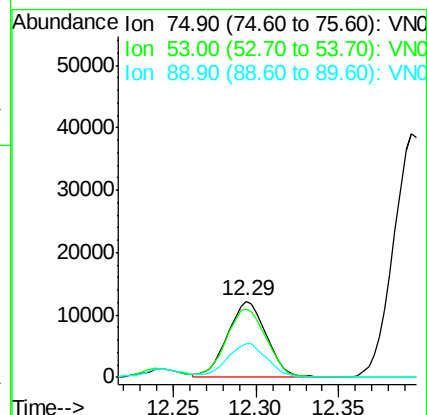
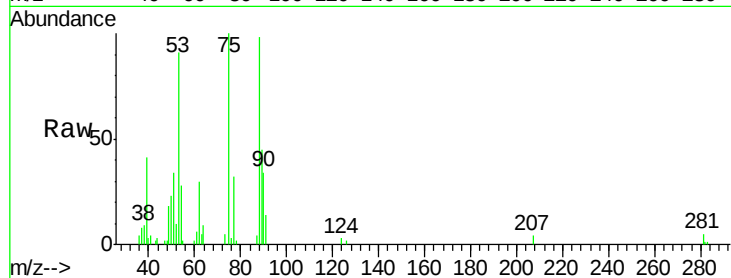
Tgt Ion: 75 Resp: 20048

Ion Ratio Lower Upper

75 100

53 92.0 73.8 110.6

89 44.8 57.1 85.7#



#82

4-Chlorotoluene

Concen: 17.75 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060468.D

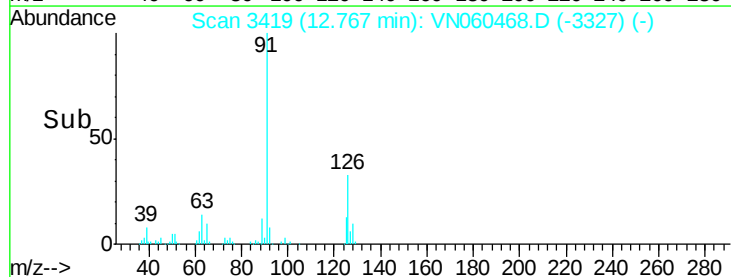
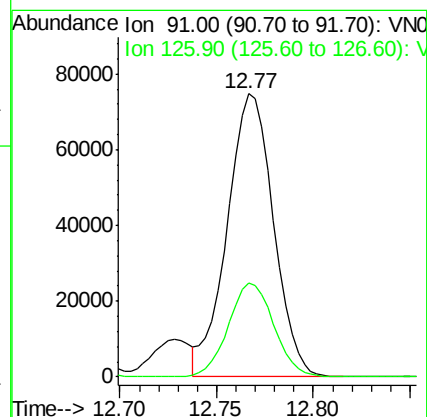
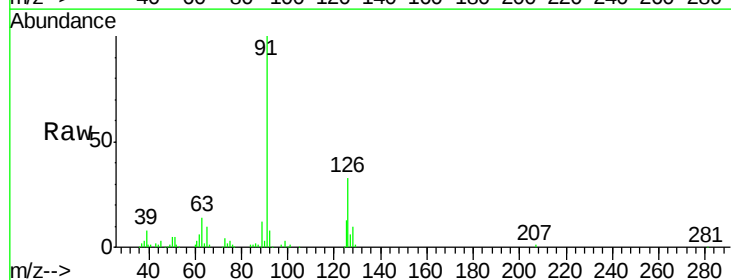
Acq: 12 Mar 2020 11:01

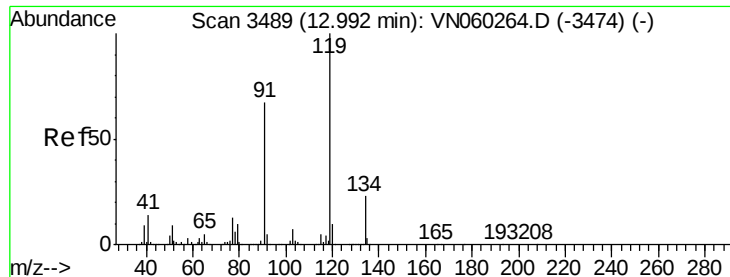
Tgt Ion: 91 Resp: 124233

Ion Ratio Lower Upper

91 100

126 32.6 16.7 50.1

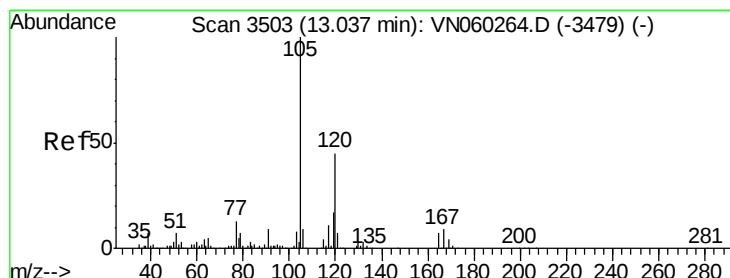
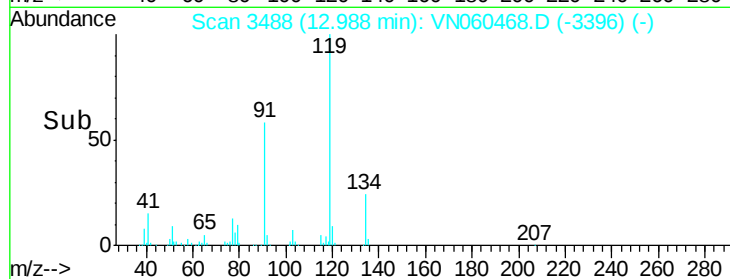
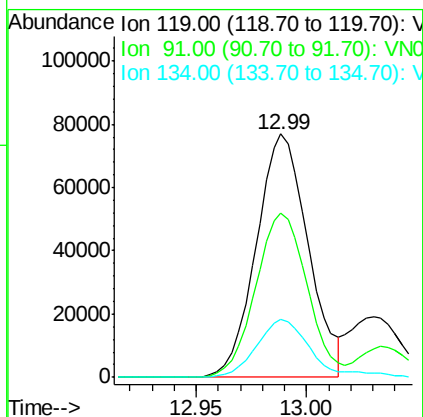
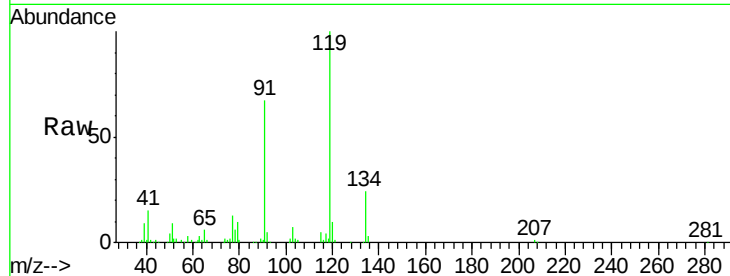




#83
 tert-Butylbenzene
 Concen: 17.86 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

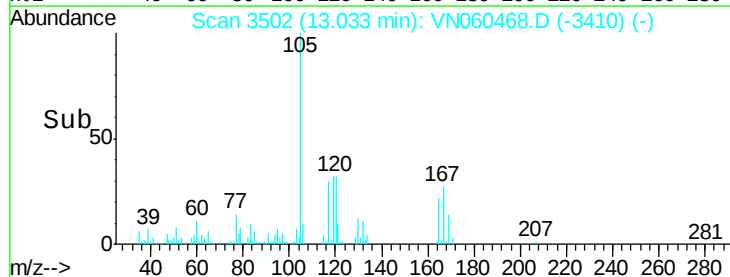
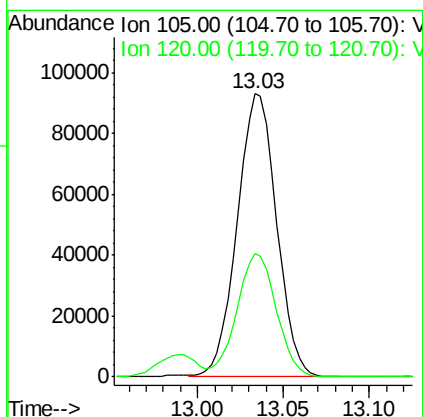
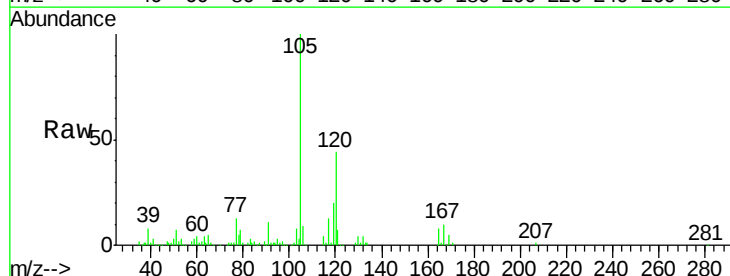
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion:119 Resp: 125530
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.1 99.2
 134 24.9 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.14 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion:105 Resp: 148651
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.3 66.9

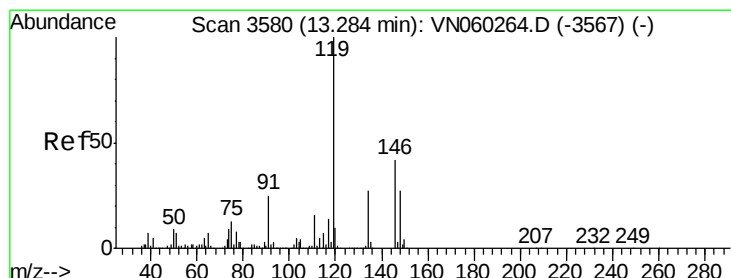
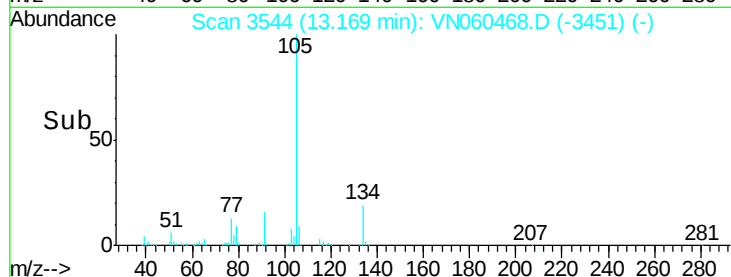
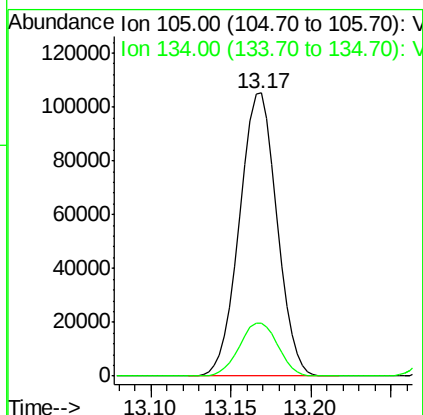
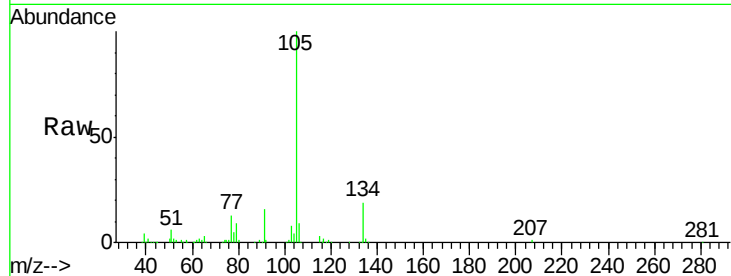




#85
 sec-Butylbenzene
 Concen: 17.82 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

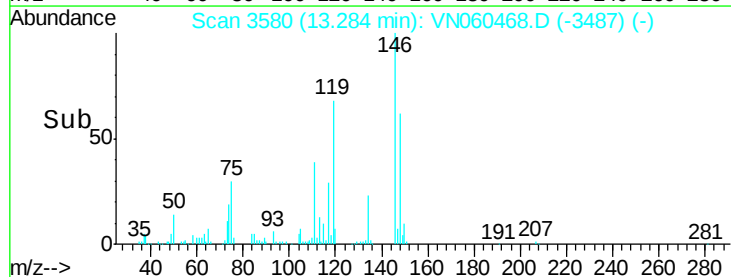
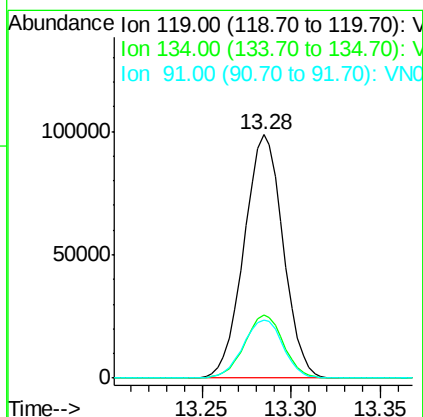
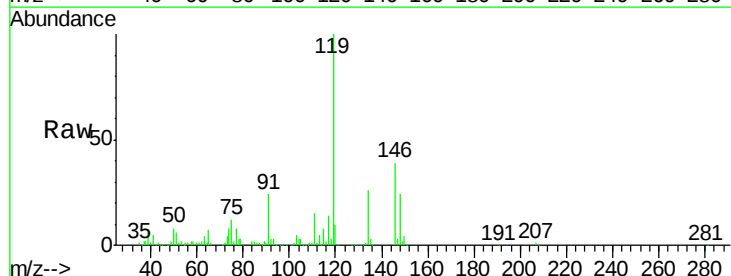
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

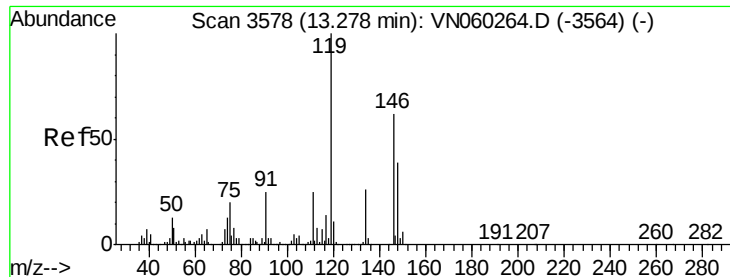
Tgt Ion:105 Resp: 167681
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 17.34 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion:119 Resp: 151041
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.6
 91 24.3 12.2 36.6

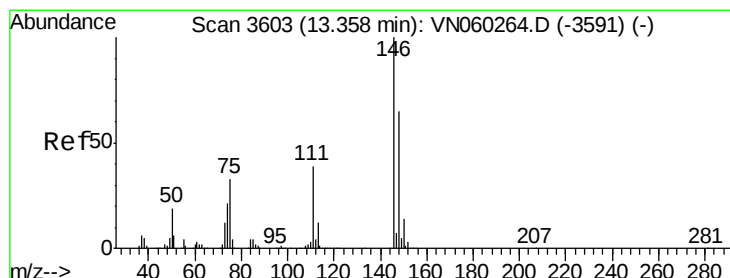
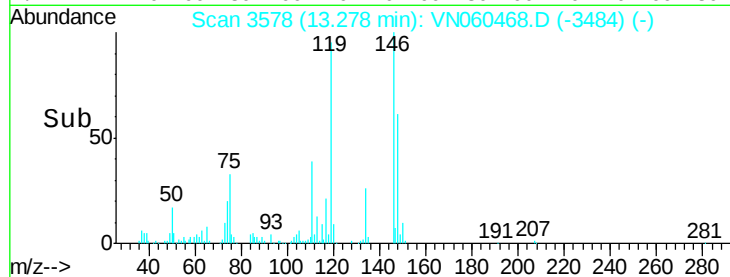
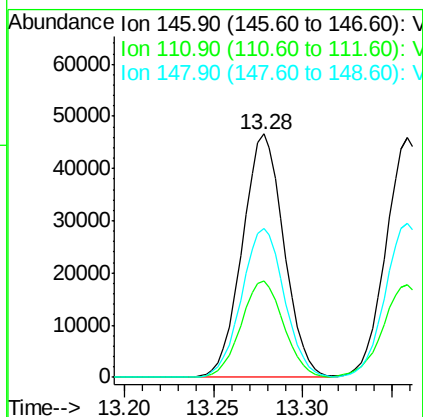
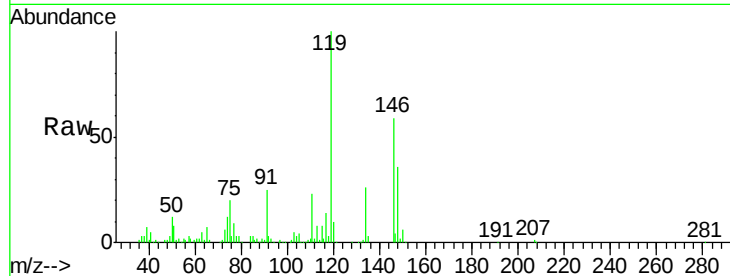




#87
 1,3-Dichlorobenzene
 Concen: 18.60 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

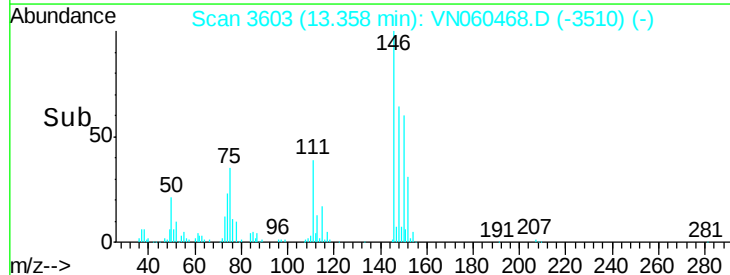
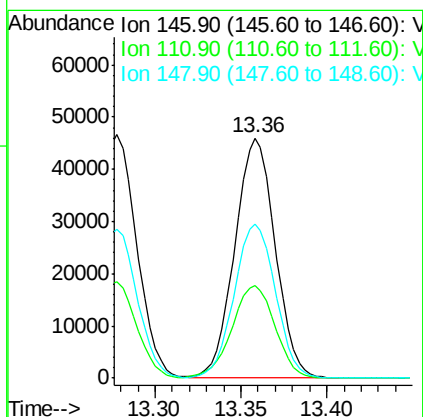
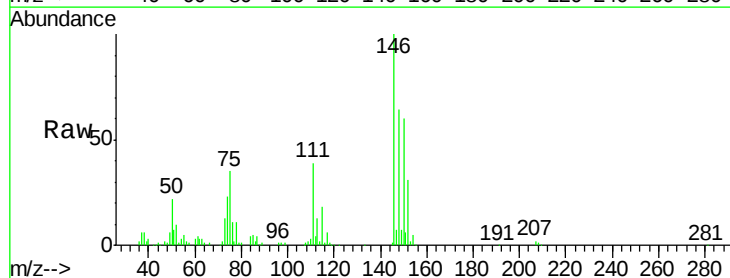
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

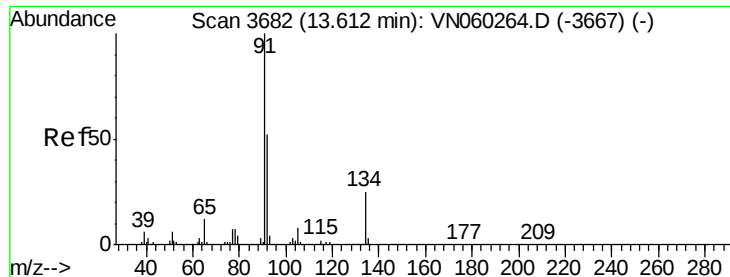
Tgt Ion:146 Resp: 75998
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 59.9
 148 62.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 18.37 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion:146 Resp: 75068
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.8 59.4
 148 65.4 32.3 96.9

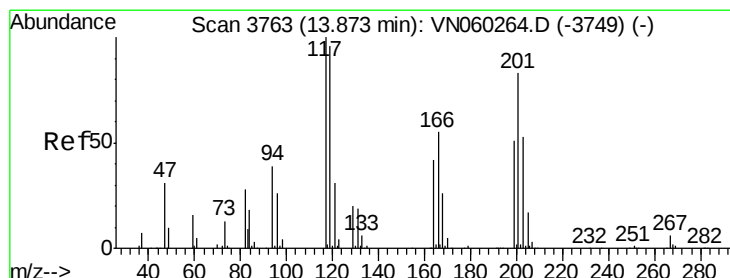
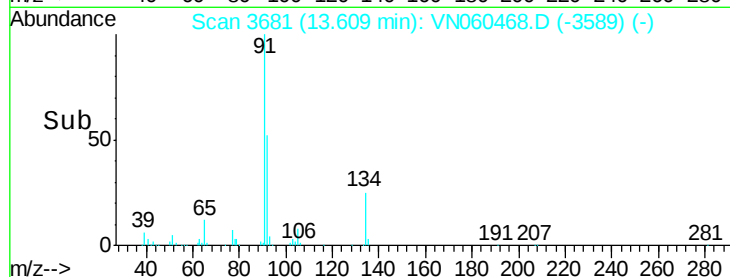
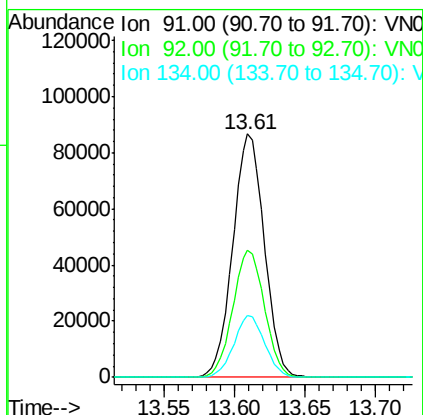
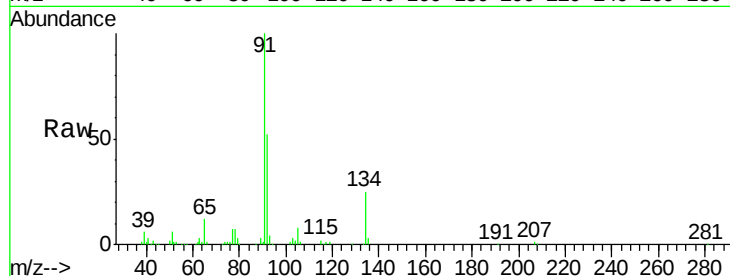




#89
n-Butylbenzene
Concen: 16.97 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

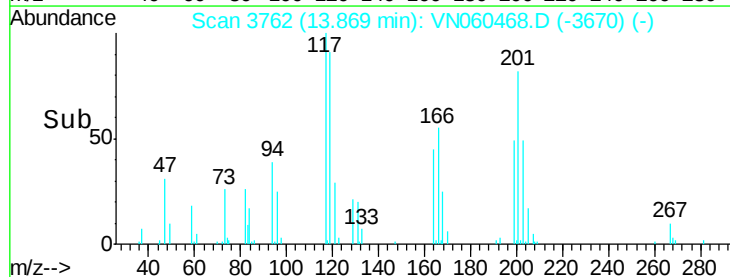
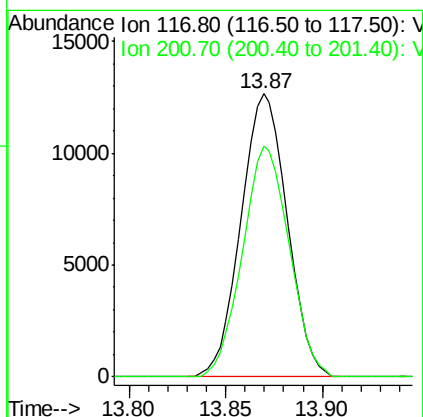
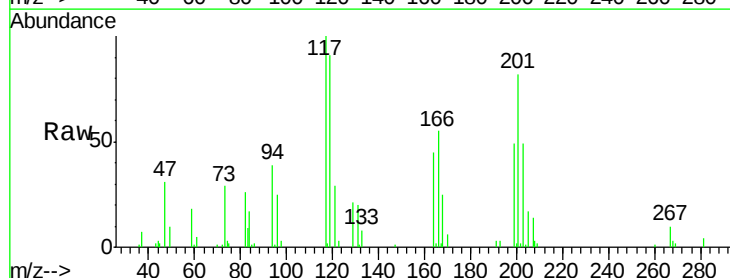
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tgt Ion: 91 Resp: 135726
Ion Ratio Lower Upper
91 100
92 52.4 26.0 78.0
134 24.8 12.7 38.1



#90
Hexachloroethane
Concen: 16.72 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion: 117 Resp: 21079
Ion Ratio Lower Upper
117 100
201 82.2 41.0 123.0

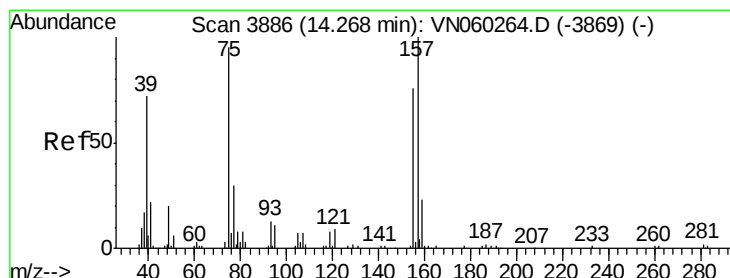
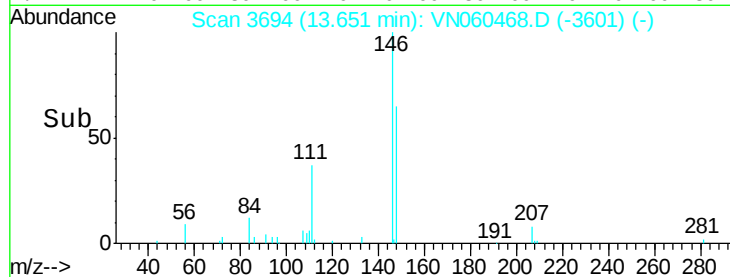
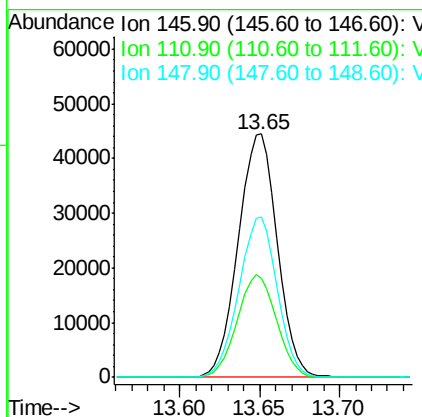
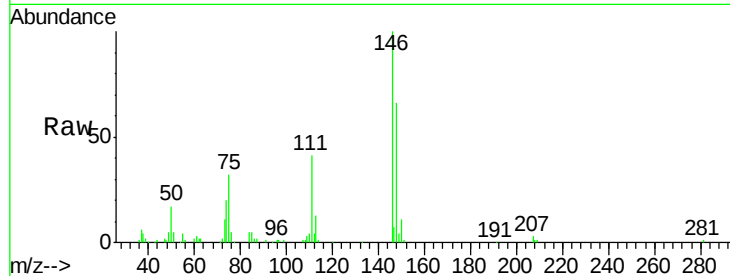




#91
 1,2-Dichlorobenzene
 Concen: 17.92 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

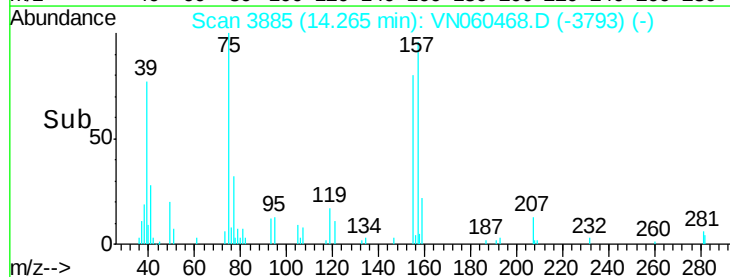
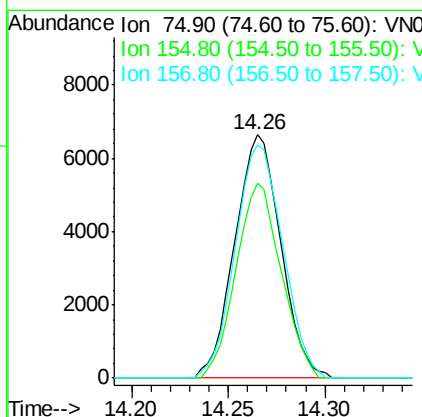
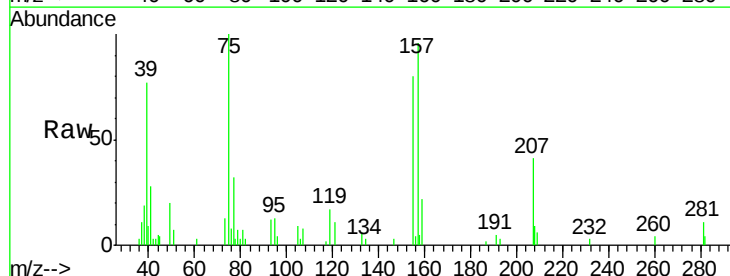
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion: 146 Resp: 74210
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.3 61.0
 148 64.5 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.51 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 75 Resp: 10987
 Ion Ratio Lower Upper
 75 100
 155 78.5 40.4 121.2
 157 99.0 52.5 157.5

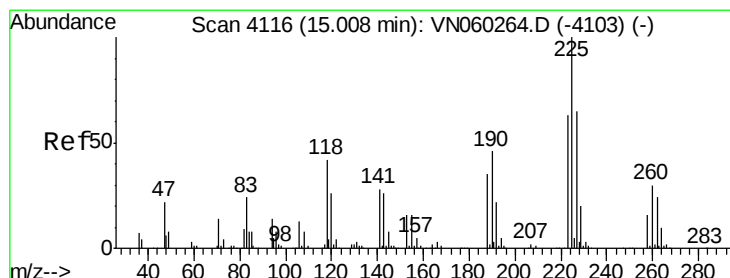
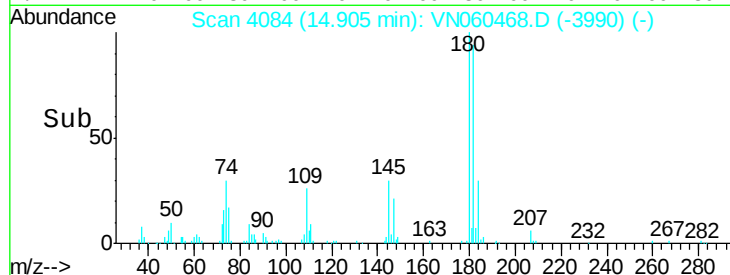
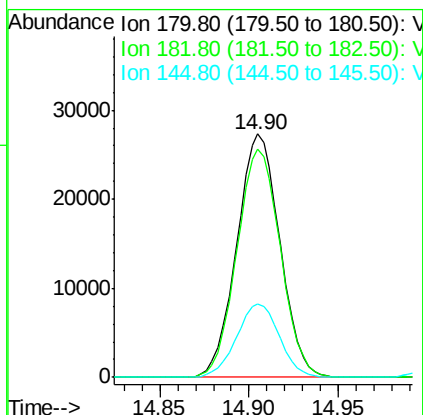
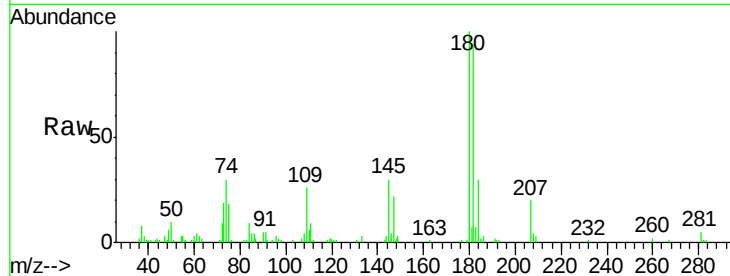




#93
 1,2,4-Trichlorobenzene
 Concen: 17.55 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

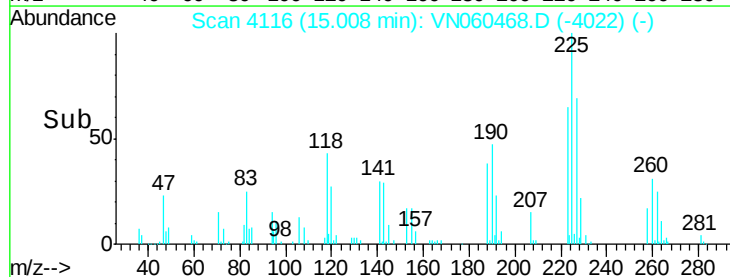
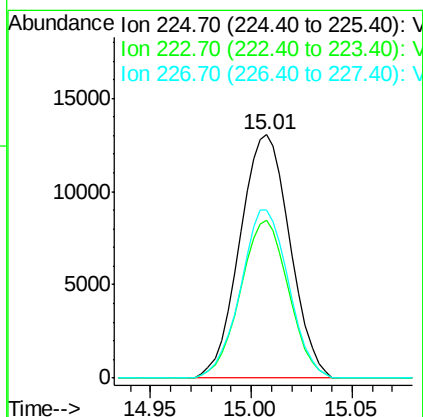
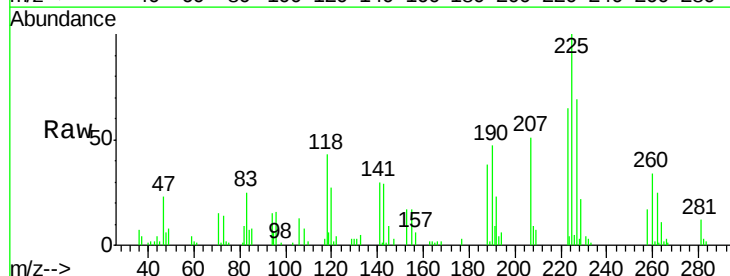
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tgt Ion:180 Resp: 46030
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.8 143.3
 145 30.0 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 18.37 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion:225 Resp: 22655
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.3 93.9
 227 66.3 32.3 96.9





#95

Naphthalene

Concen: 17.04 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

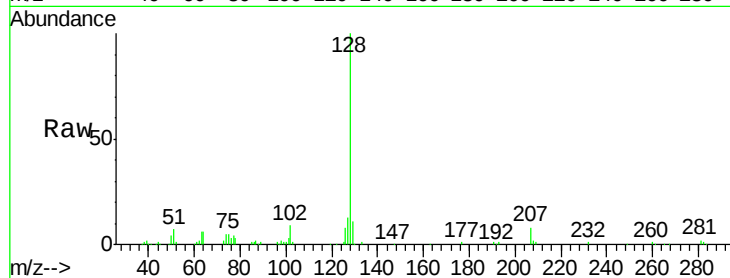
Tgt Ion:128 Resp: 133476

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

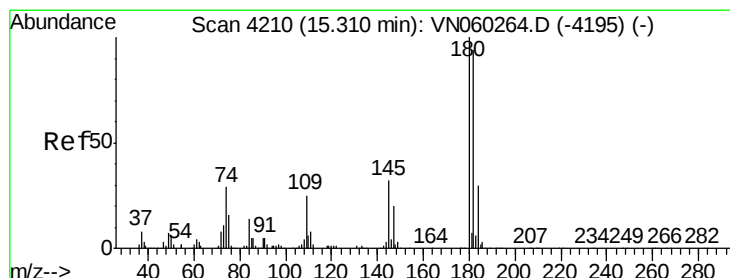
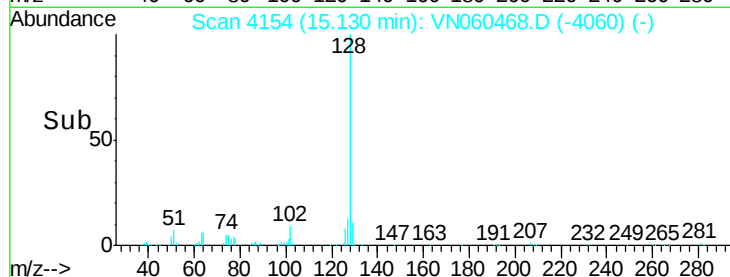
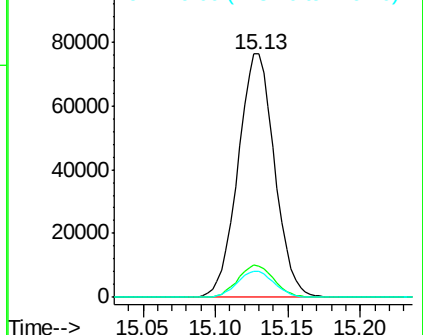
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.79 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

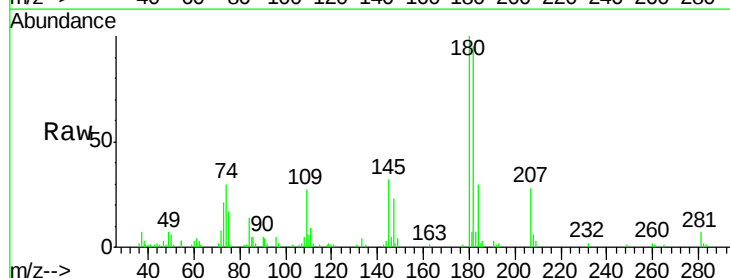
Tgt Ion:180 Resp: 44374

Ion Ratio Lower Upper

180 100

182 94.0 47.3 142.0

145 32.0 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

