

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060467.D
 Acq On : 12 Mar 2020 10:28
 Operator : JC/MD
 Sample : VN0312WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Quant Time: Mar 13 02:01:19 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	190017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138055	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	118106	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	7.56	113	89542	61.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.16%	
50) Toluene-d8	10.08	98	345766	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.40	95	130891	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	26585	15.26	ug/l	99
3) Chloromethane	2.03	50	49700	16.39	ug/l	98
4) Vinyl Chloride	2.16	62	40953	15.74	ug/l	98
5) Bromomethane	2.55	94	18247	15.78	ug/l	100
6) Chloroethane	2.68	64	23321	16.55	ug/l	96
7) Trichlorofluoromethane	3.00	101	55615	16.73	ug/l	99
8) Diethyl Ether	3.38	74	22531	17.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	33262	17.68	ug/l	98
10) Methyl Iodide	3.93	142	23701	13.81	ug/l	100
11) Tert butyl alcohol	4.73	59	36144	99.84	ug/l	100
12) 1,1-Dichloroethene	3.72	96	32107	17.54	ug/l	99
13) Acrolein	3.57	56	33969	100.58	ug/l	96
14) Allyl chloride	4.29	41	61521	18.28	ug/l	100
15) Acrylonitrile	4.94	53	94449	98.99	ug/l	99
16) Acetone	3.78	43	82012	104.17	ug/l	99
17) Carbon Disulfide	4.03	76	77341	15.48	ug/l	98
18) Methyl Acetate	4.28	43	49533	18.85	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	124153	18.73	ug/l	97
20) Methylene Chloride	4.52	84	38231	17.68	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	34970	17.55	ug/l	98
22) Diisopropyl ether	5.91	45	133347	19.56	ug/l	96
23) Vinyl Acetate	5.86	43	522256	96.40	ug/l	99
24) 1,1-Dichloroethane	5.82	63	72176	18.70	ug/l	100
25) 2-Butanone	6.80	43	128067	100.71	ug/l	99
26) 2,2-Dichloropropane	6.79	77	65167	18.55	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	43877	17.50	ug/l	100
28) Bromochloromethane	7.17	49	30470	19.23	ug/l	97
29) Tetrahydrofuran	7.18	42	86156	97.43	ug/l	98
30) Chloroform	7.35	83	71104	18.51	ug/l	97
31) Cyclohexane	7.63	56	63073	18.30	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	61871	18.18	ug/l	99
36) 1,1-Dichloropropene	7.77	75	52087	17.45	ug/l	99
37) Ethyl Acetate	6.90	43	54429	19.25	ug/l	99
38) Carbon Tetrachloride	7.75	117	49059	16.88	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	58582	16.64	ug/l	97
40) Benzene	8.02	78	157252	18.10	ug/l	99
41) Methacrylonitrile	7.18	41	79397	60.82	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	57772	18.42	ug/l	99
43) Isopropyl Acetate	8.14	43	95696	19.34	ug/l	99
44) Trichloroethene	8.82	130	41817	17.28	ug/l	96
45) 1,2-Dichloropropane	9.10	63	45280	19.93	ug/l	99
46) Dibromomethane	9.19	93	26775	18.16	ug/l	99
47) Bromodichloromethane	9.38	83	56381	18.80	ug/l	99
48) Methyl methacrylate	9.18	41	40829	18.09	ug/l	98
49) 1,4-Dioxane	9.18	88	12446	392.14	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	277739	98.97	ug/l	99
52) Toluene	10.14	92	96582	17.69	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	64232	17.48	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	70155	18.43	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40174	18.30	ug/l	98
56) Ethyl methacrylate	10.42	69	58880	18.67	ug/l	99
57) 1,3-Dichloropropane	10.70	76	67831	18.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	158632	96.17	ug/l	98
59) 2-Hexanone	10.74	43	196672	95.46	ug/l	100
60) Dibromochloromethane	10.89	129	41841	18.74	ug/l	99
61) 1,2-Dibromoethane	10.99	107	38051	17.78	ug/l	99
64) Tetrachloroethene	10.62	164	41938	17.65	ug/l	99
65) Chlorobenzene	11.43	112	101608	17.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39523	18.45	ug/l	99
67) Ethyl Benzene	11.50	91	189113	17.92	ug/l	100
68) m/p-Xylenes	11.61	106	138184	34.71	ug/l	98
69) o-Xylene	11.94	106	67071	17.67	ug/l	99
70) Styrene	11.96	104	109650	17.57	ug/l	99
71) Bromoform	12.12	173	28881	18.71	ug/l #	97
73) Isopropylbenzene	12.24	105	185818	18.16	ug/l	100
74) N-amyl acetate	12.06	43	81342	18.19	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	55139	19.82	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	75929	25.07	ug/l #	100
77) Bromobenzene	12.52	156	43816	17.47	ug/l	96
78) n-propylbenzene	12.59	91	211554	17.64	ug/l	100
79) 2-Chlorotoluene	12.67	91	126272	17.91	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	154469	17.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20273	18.48	ug/l #	85
82) 4-Chlorotoluene	12.77	91	128915	17.35	ug/l	99
83) tert-Butylbenzene	12.99	119	131200	17.59	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	154374	17.75	ug/l	100
85) sec-Butylbenzene	13.17	105	177046	17.72	ug/l	99
86) p-Isopropyltoluene	13.28	119	158100	17.10	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	78152	18.01	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	77633	17.89	ug/l	98
89) n-Butylbenzene	13.61	91	141167	16.63	ug/l	99
90) Hexachloroethane	13.87	117	21864	16.34	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	78023	17.75	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11352	18.02	ug/l	94

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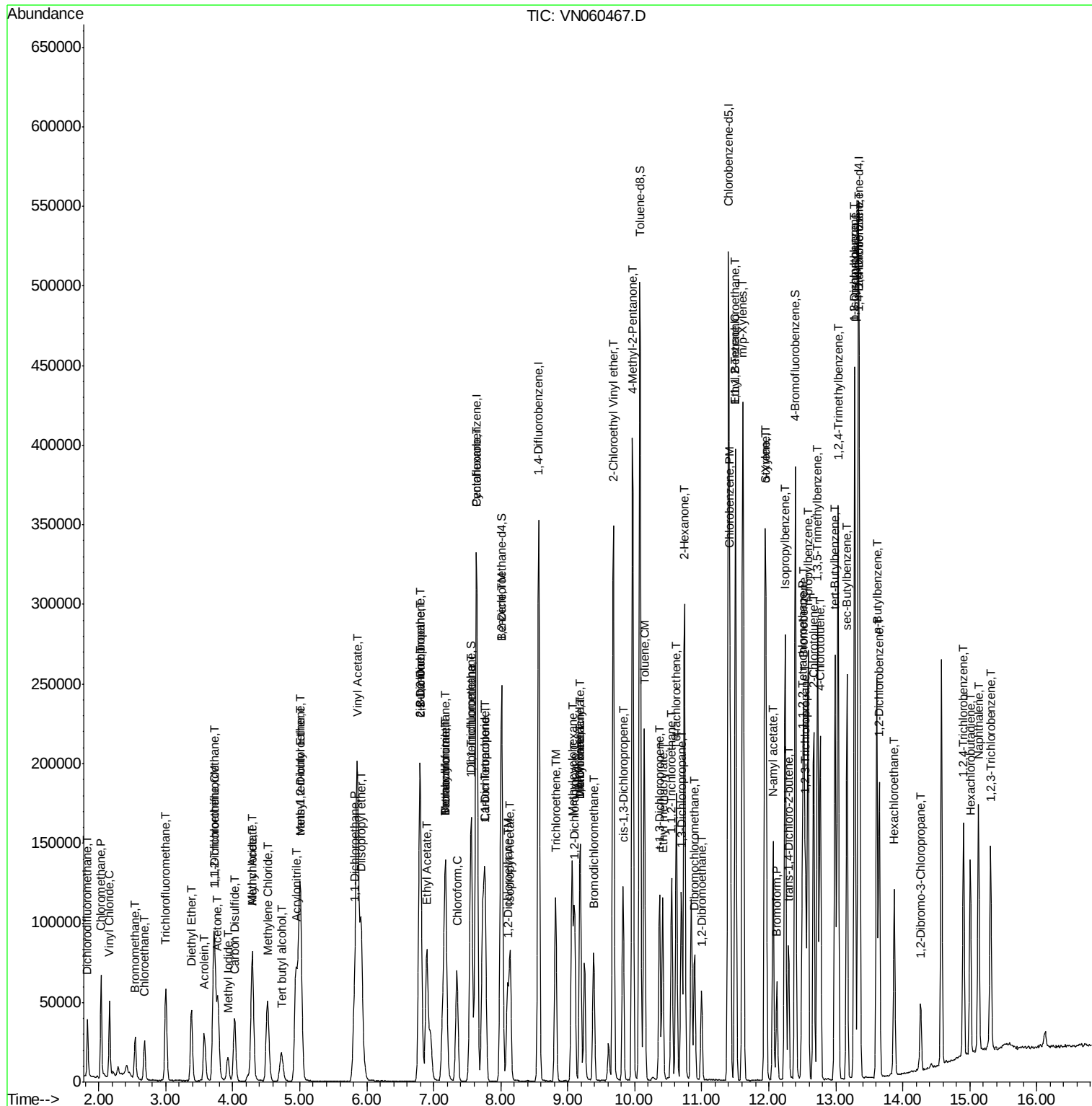
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	45523	16.36	ug/l	99
94) Hexachlorobutadiene	15.01	225	23729	18.12	ug/l	99
95) Naphthalene	15.13	128	131170	15.76	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44320	16.73	ug/l	99

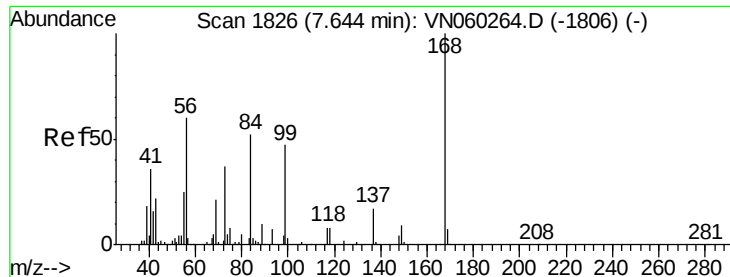
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

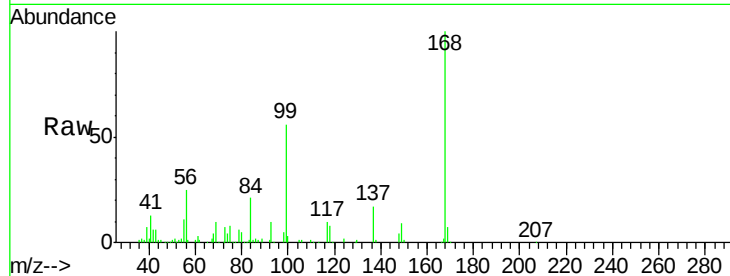
VN0312WBS01

Tgt Ion:168 Resp: 190017

Ion Ratio Lower Upper

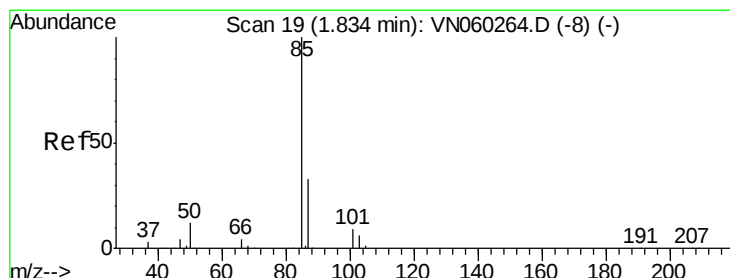
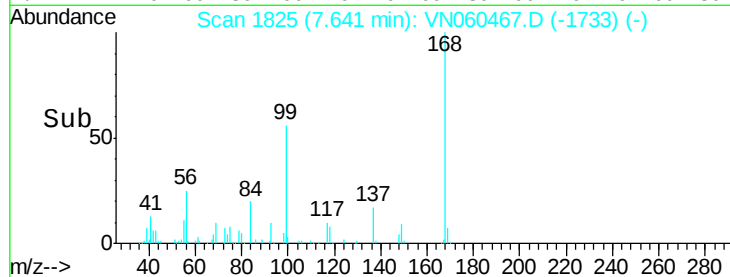
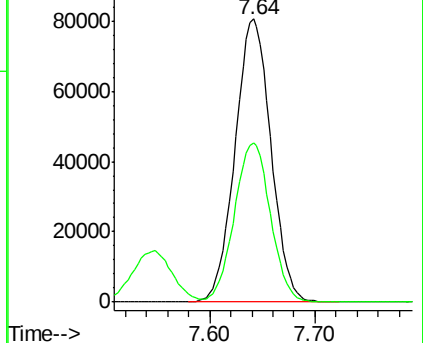
168 100

99 56.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 15.26 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060467.D

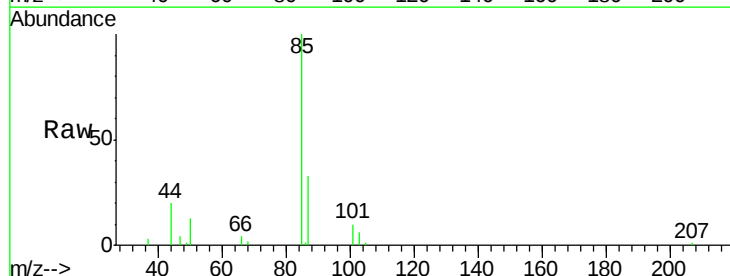
Acq: 12 Mar 2020 10:28

Tgt Ion: 85 Resp: 26585

Ion Ratio Lower Upper

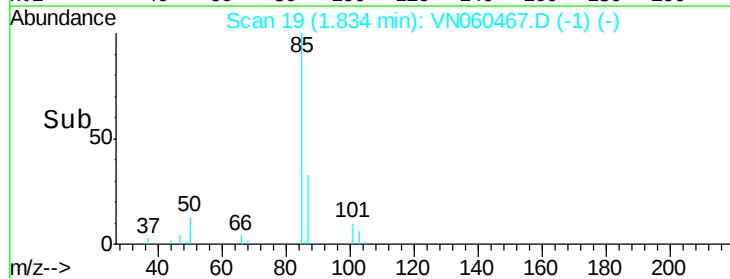
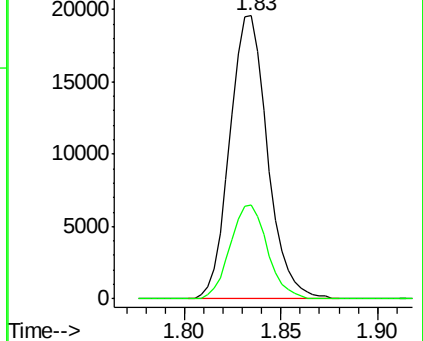
85 100

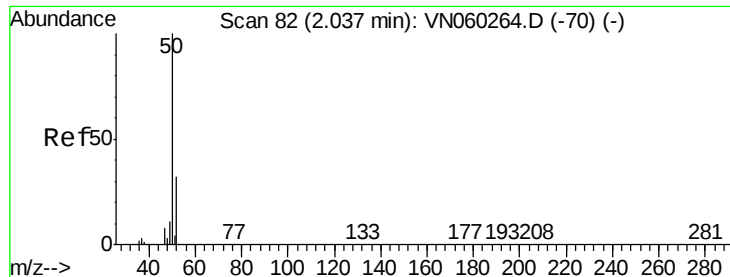
87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 16.39 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

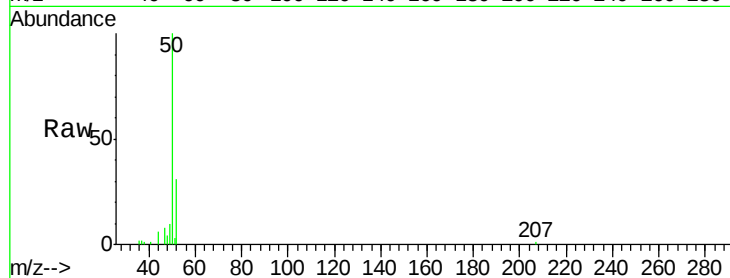
VN0312WBS01

Tgt Ion: 50 Resp: 49700

Ion Ratio Lower Upper

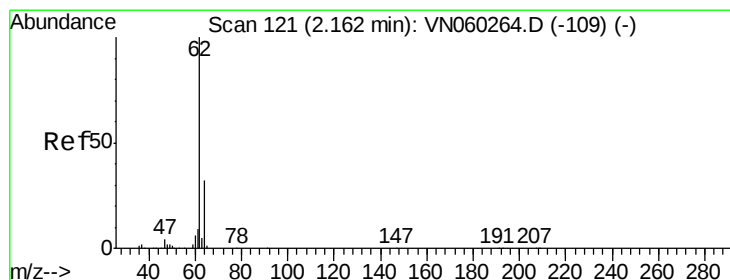
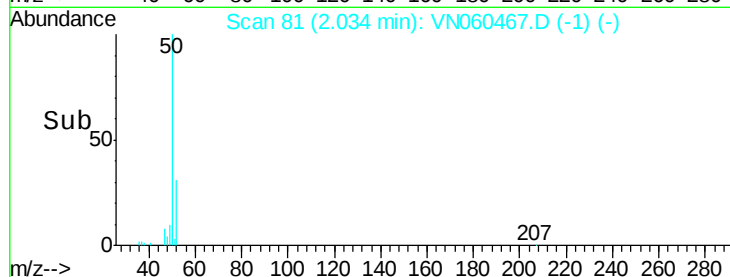
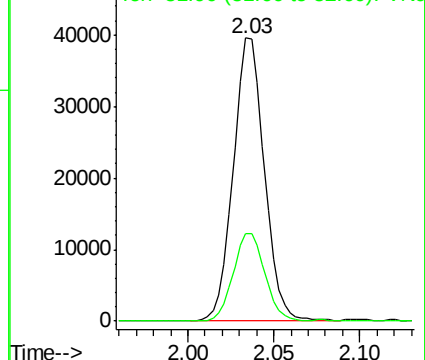
50 100

52 31.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.74 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060467.D

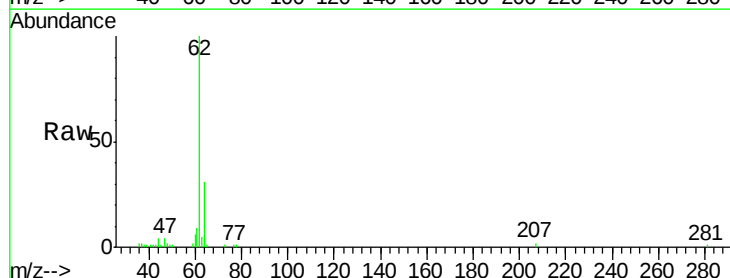
Acq: 12 Mar 2020 10:28

Tgt Ion: 62 Resp: 40953

Ion Ratio Lower Upper

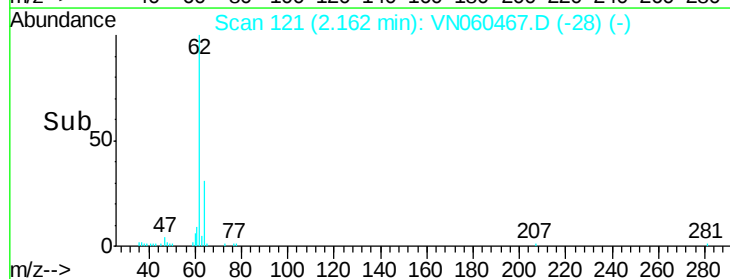
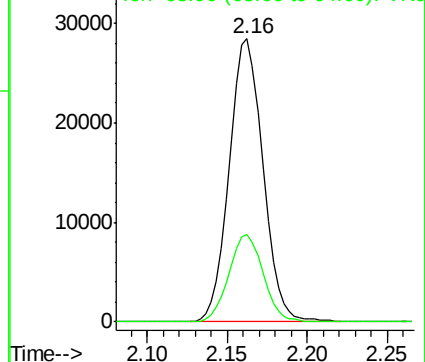
62 100

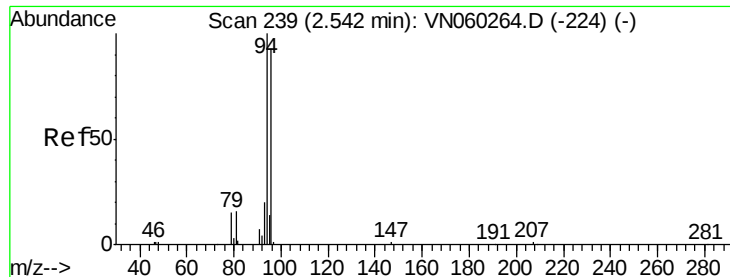
64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

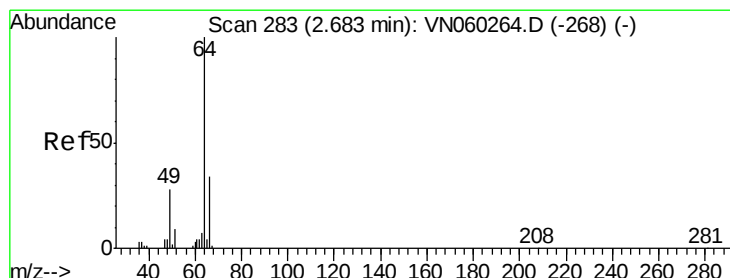
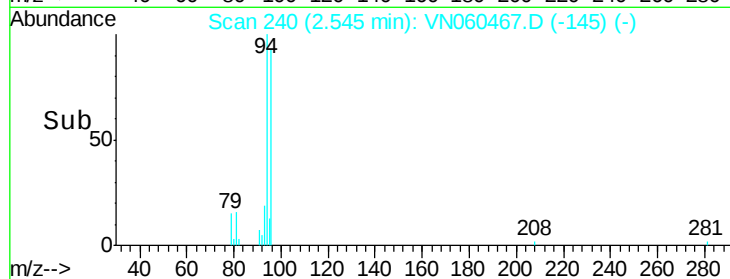
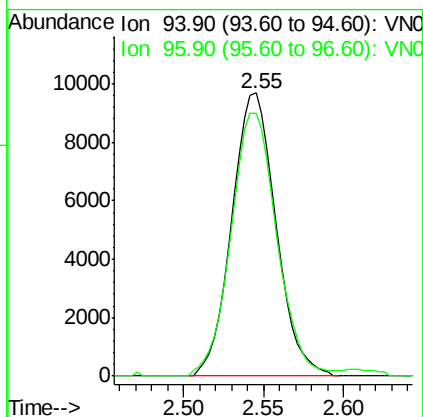
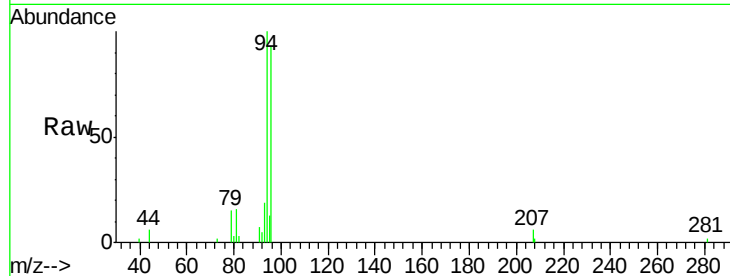




#5
Bromomethane
Concen: 15.78 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

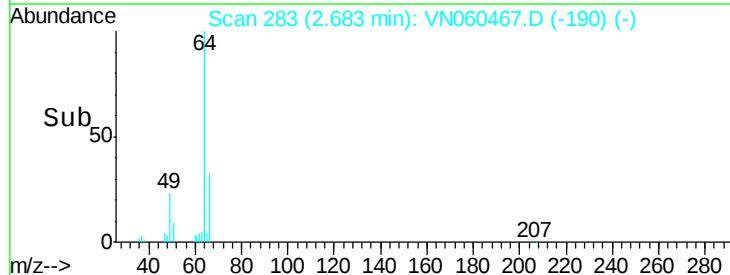
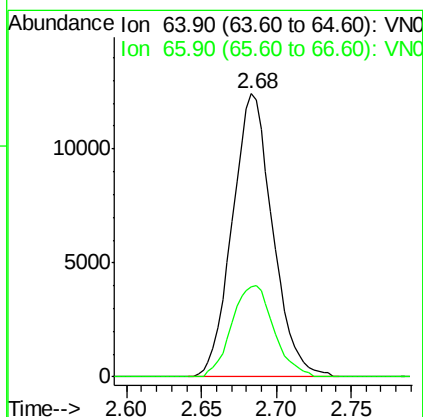
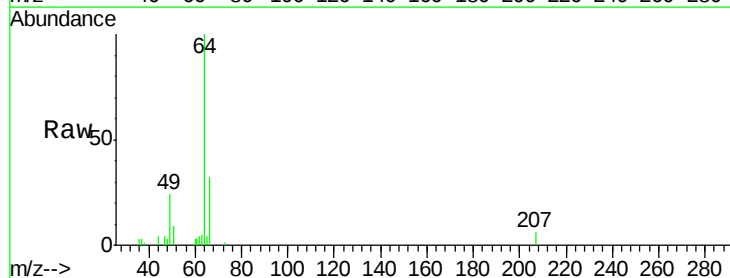
Instrument :
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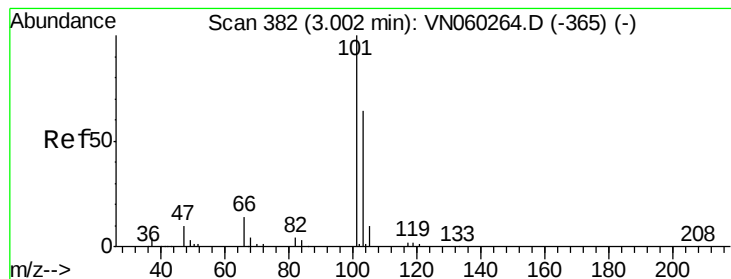
Tgt Ion: 94 Resp: 18247
Ion Ratio Lower Upper
94 100
96 92.8 74.3 111.5



#6
Chloroethane
Concen: 16.55 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 64 Resp: 23321
Ion Ratio Lower Upper
64 100
66 31.9 27.4 41.2





#7

Trichlorofluoromethane

Concen: 16.73 ug/l

RT: 3.00 min Scan# 382

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

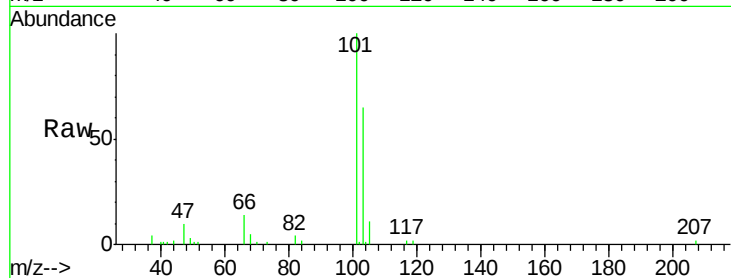
VN0312WBS01

Tgt Ion:101 Resp: 55615

Ion Ratio Lower Upper

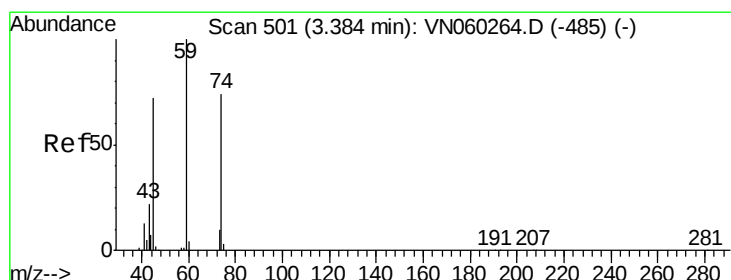
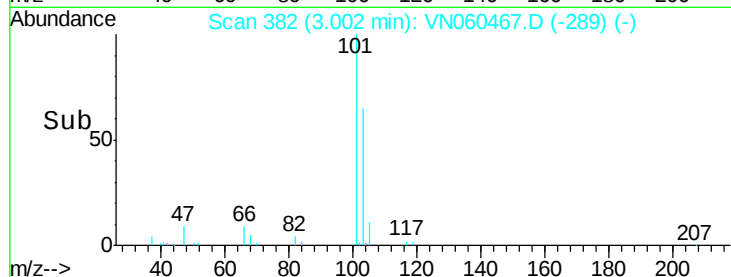
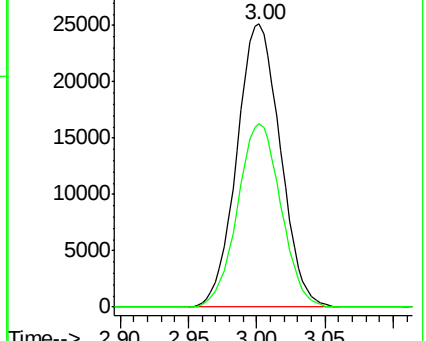
101 100

103 64.9 51.3 76.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 17.96 ug/l

RT: 3.38 min Scan# 501

Delta R.T. 0.00 min

Lab File: VN060467.D

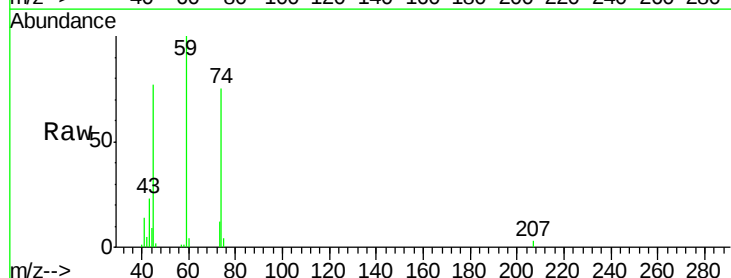
Acq: 12 Mar 2020 10:28

Tgt Ion: 74 Resp: 22531

Ion Ratio Lower Upper

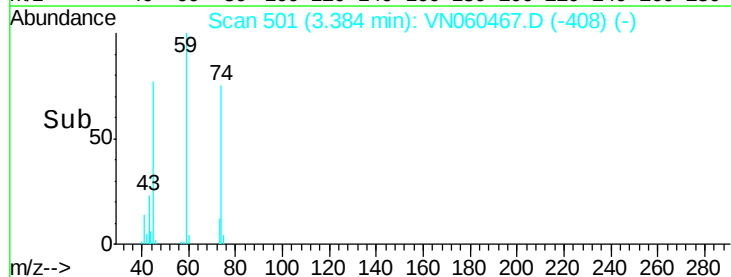
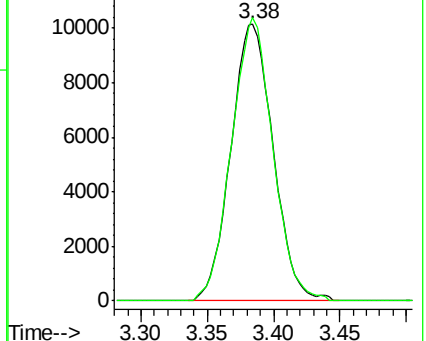
74 100

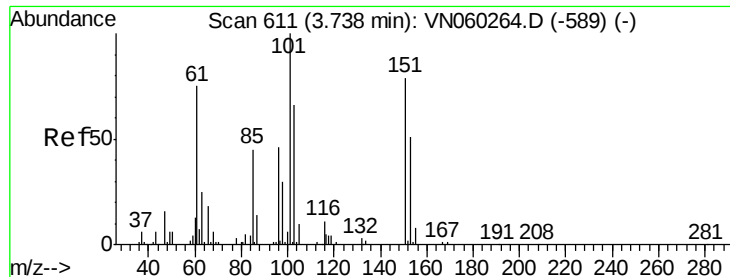
45 99.9 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.68 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

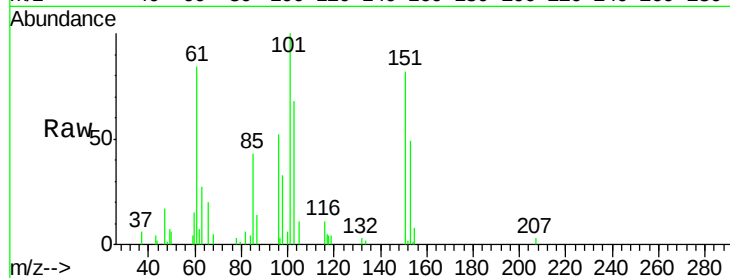
Tgt Ion:101 Resp: 33262

Ion Ratio Lower Upper

101 100

85 44.5 35.4 53.2

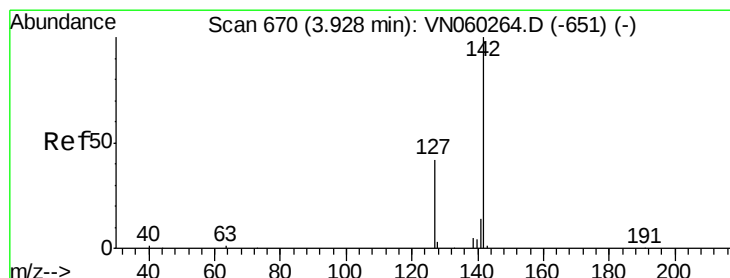
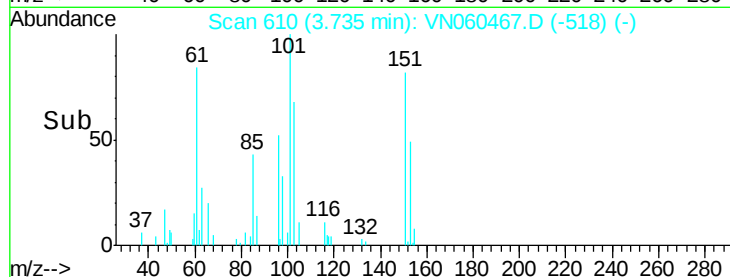
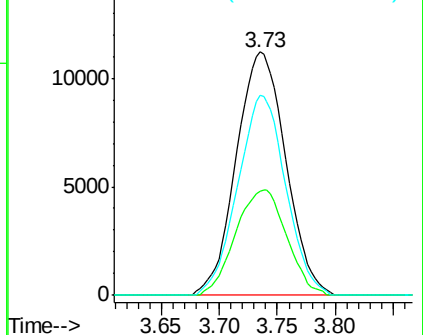
151 79.6 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.81 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

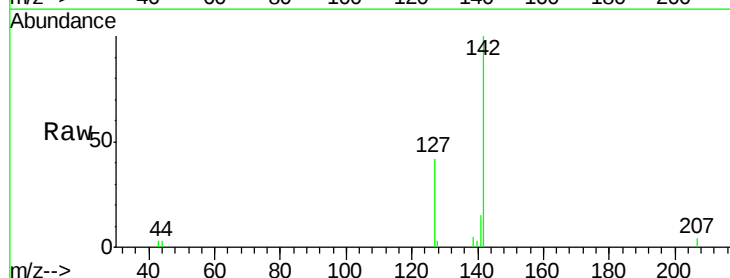
Tgt Ion:142 Resp: 23701

Ion Ratio Lower Upper

142 100

127 42.2 33.8 50.6

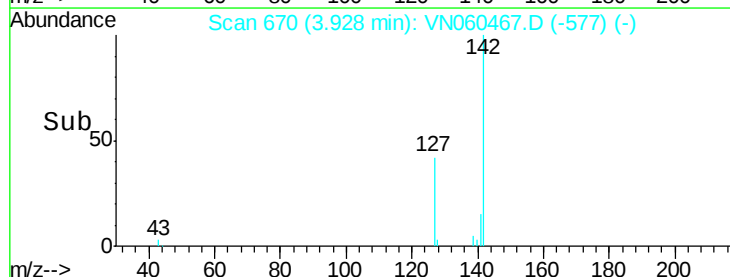
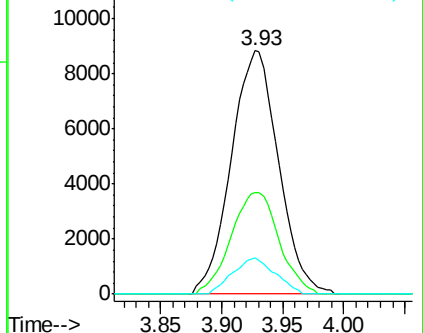
141 13.4 11.1 16.7

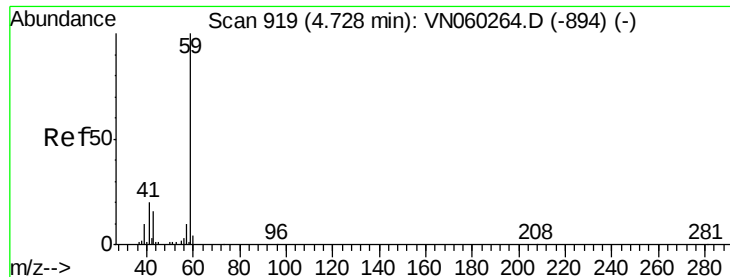


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

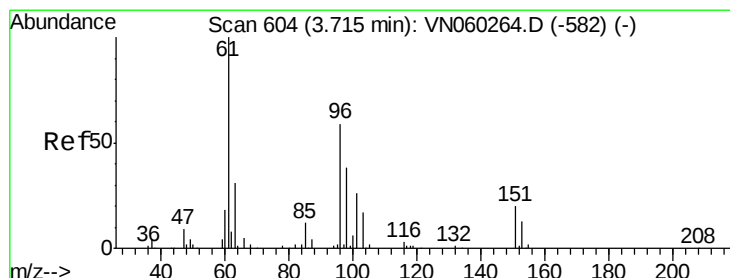
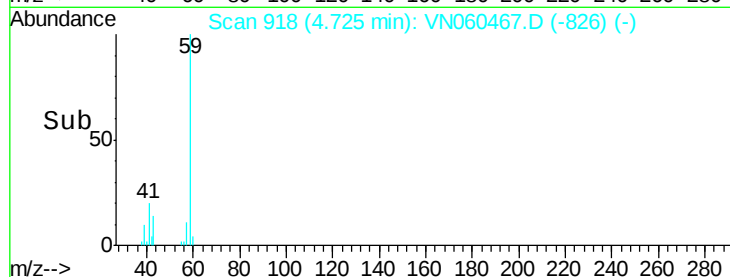
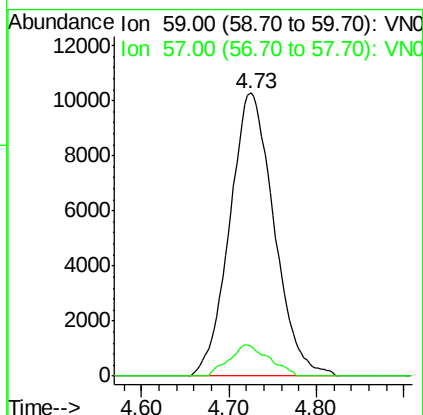
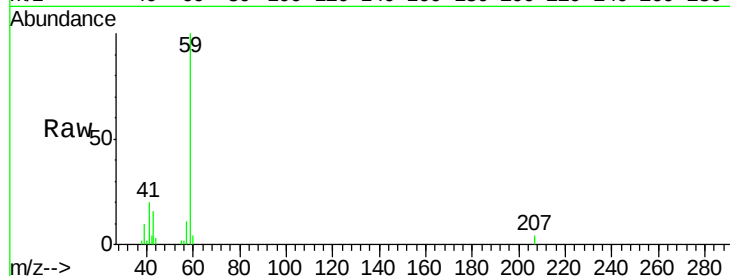




#11
Tert butyl alcohol
Concen: 99.84 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

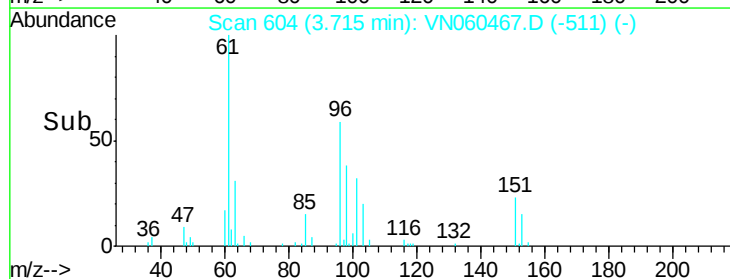
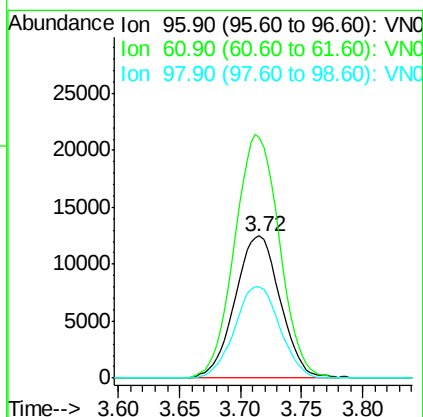
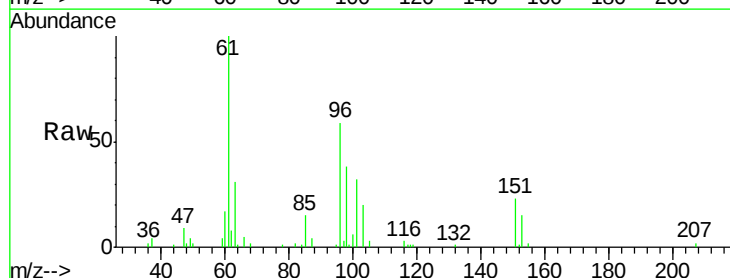
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

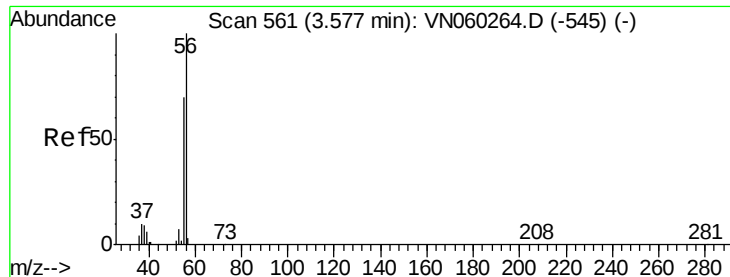
Tgt Ion: 59 Resp: 36144
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 17.54 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 96 Resp: 32107
Ion Ratio Lower Upper
96 100
61 170.1 135.4 203.0
98 64.2 51.6 77.4





#13

Acrolein

Concen: 100.58 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

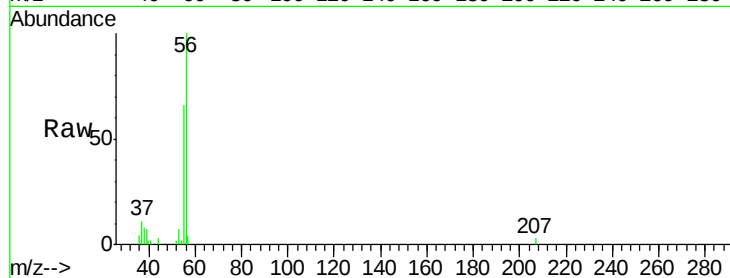
VN0312WBS01

Tgt Ion: 56 Resp: 33969

Ion Ratio Lower Upper

56 100

55 68.3 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

10000

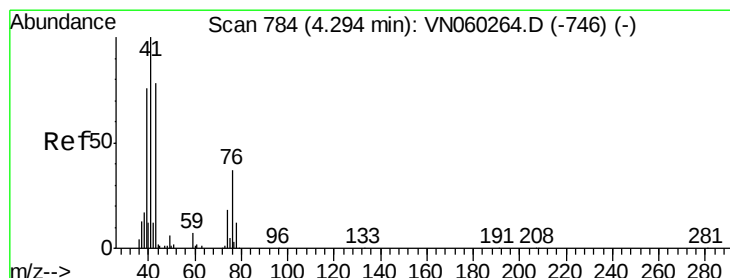
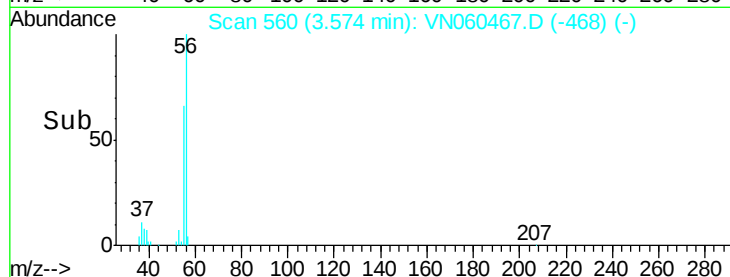
5000

0

3.57

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 18.28 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

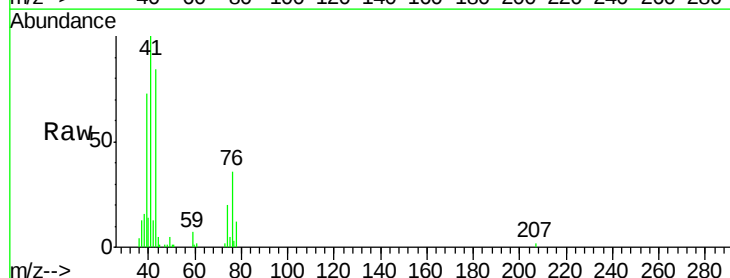
Tgt Ion: 41 Resp: 61521

Ion Ratio Lower Upper

41 100

39 69.3 55.4 83.2

76 33.3 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

25000

20000

15000

10000

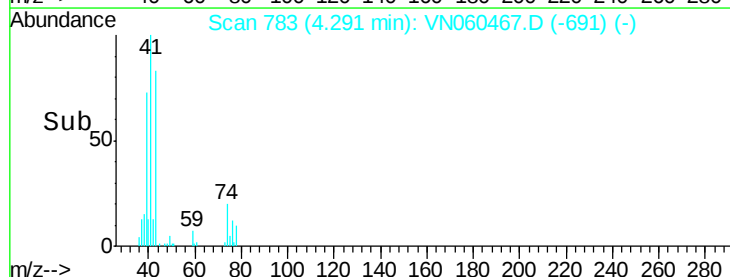
5000

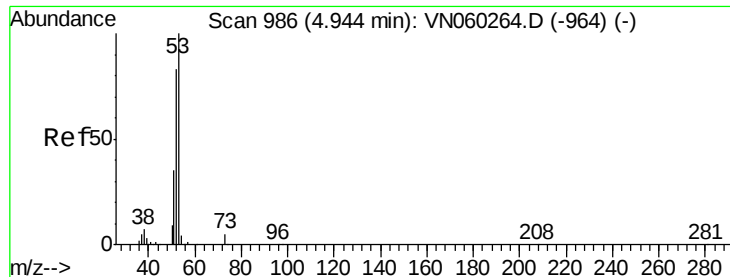
0

4.29

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 98.99 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

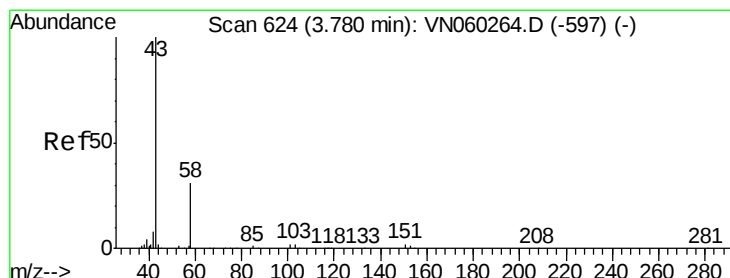
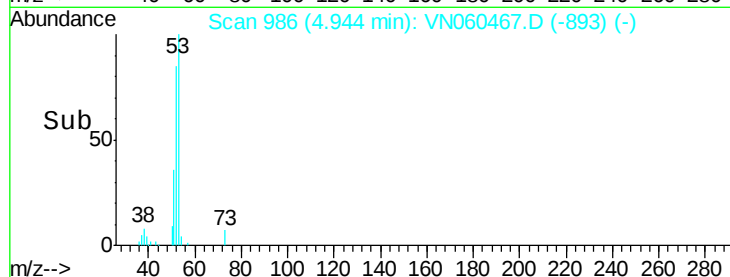
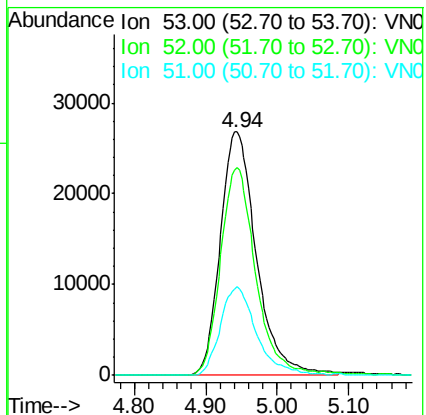
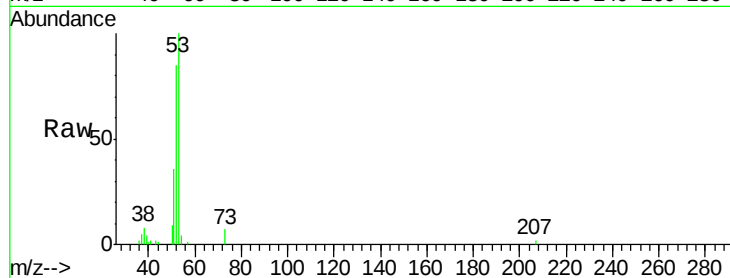
Tgt Ion: 53 Resp: 94449

Ion Ratio Lower Upper

53 100

52 82.4 66.8 100.2

51 36.3 29.0 43.6



#16

Acetone

Concen: 104.17 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060467.D

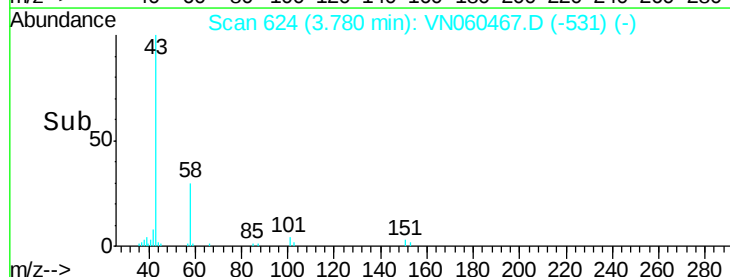
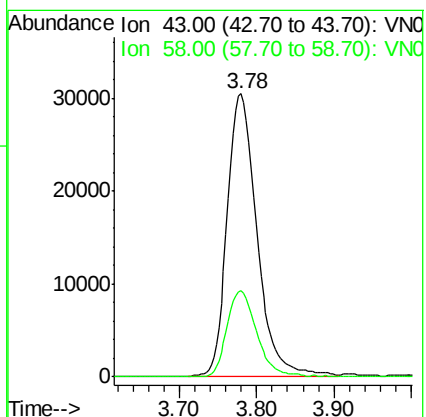
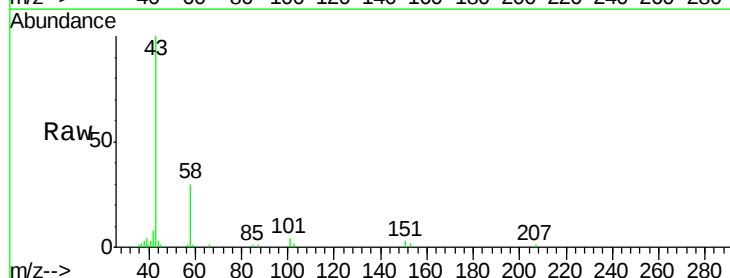
Acq: 12 Mar 2020 10:28

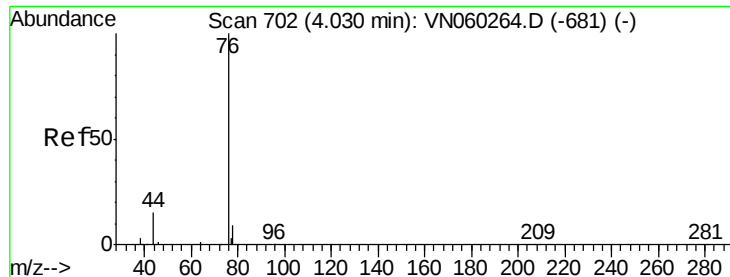
Tgt Ion: 43 Resp: 82012

Ion Ratio Lower Upper

43 100

58 30.3 24.6 36.8

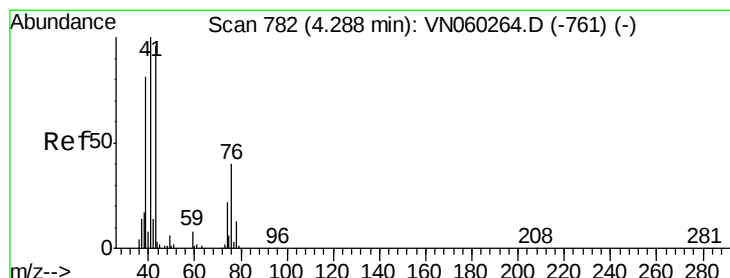
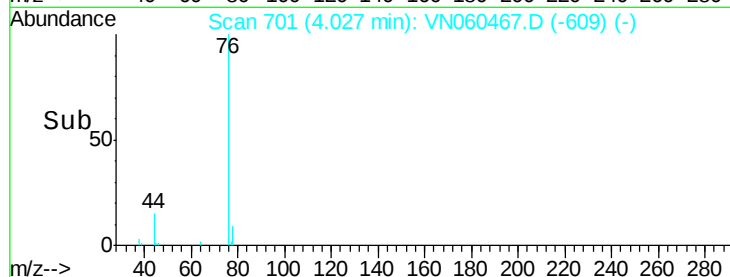
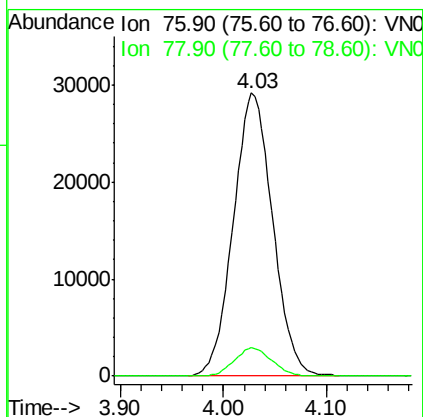
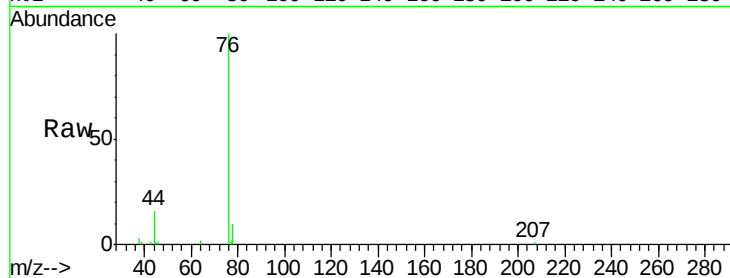




#17
Carbon Disulfide
Concen: 15.48 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

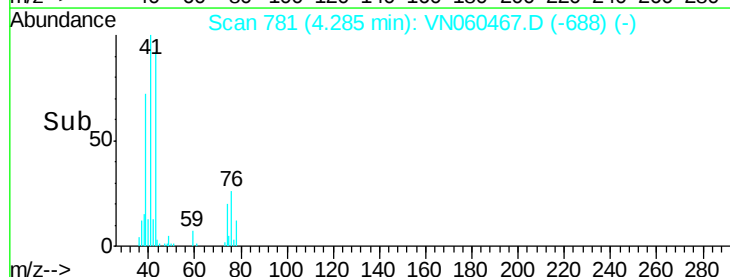
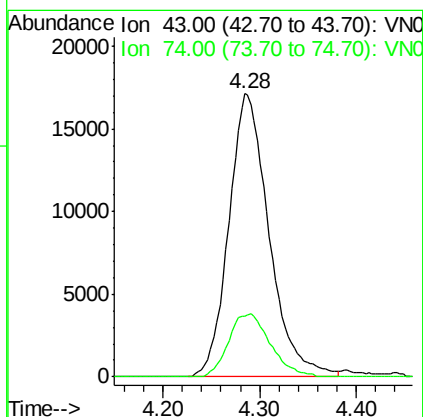
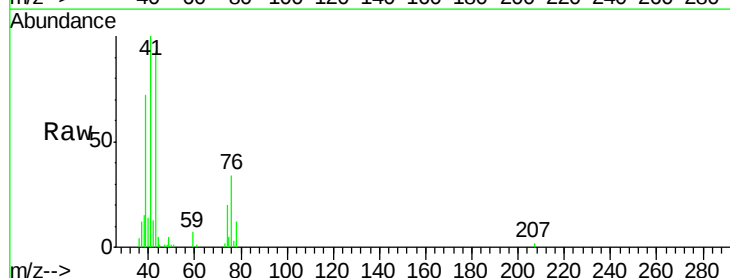
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

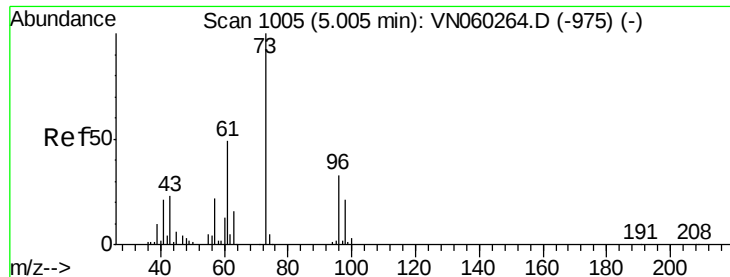
Tgt Ion: 76 Resp: 77341
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0



#18
Methyl Acetate
Concen: 18.85 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 43 Resp: 49533
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2

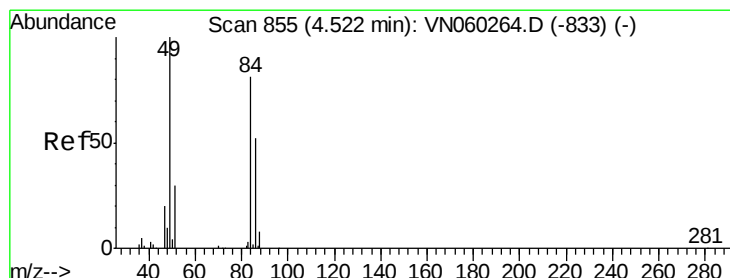
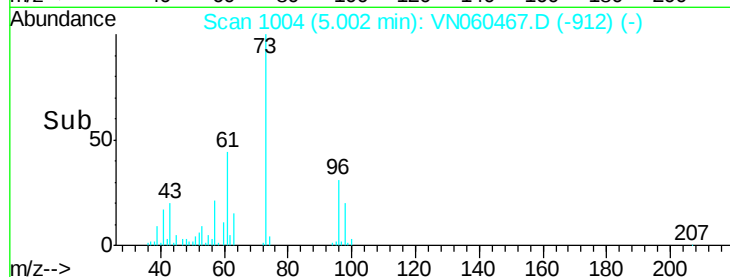
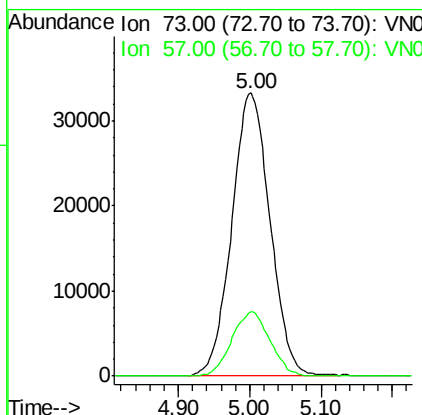
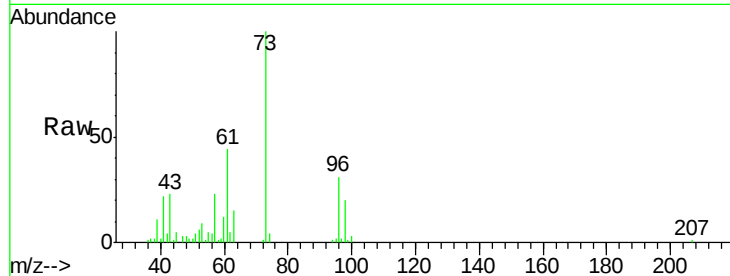




#19
Methyl tert-butyl Ether
Concen: 18.73 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

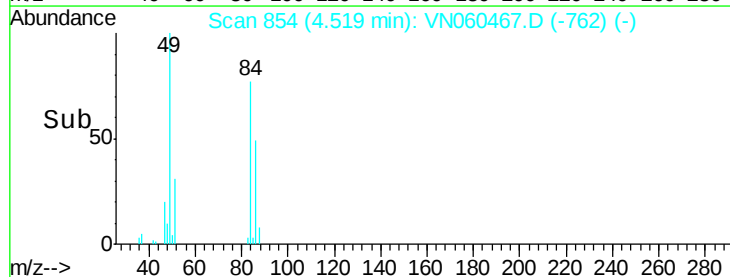
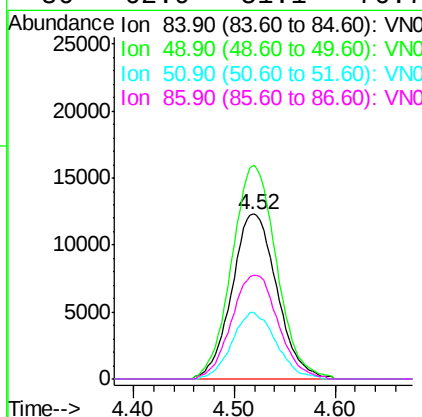
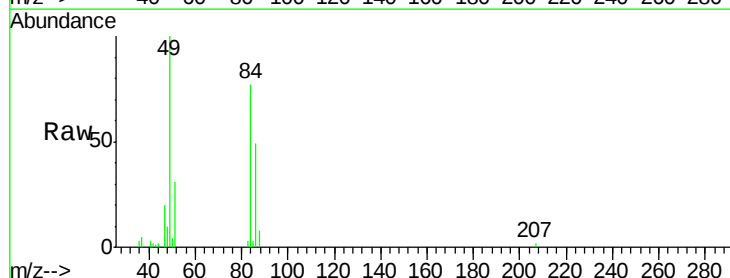
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

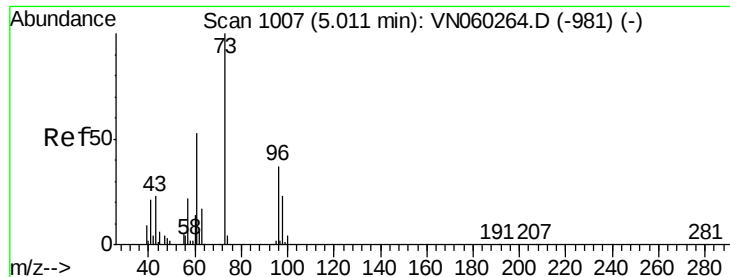
Tgt Ion: 73 Resp: 124153
Ion Ratio Lower Upper
73 100
57 23.0 17.3 25.9



#20
Methylene Chloride
Concen: 17.68 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 84 Resp: 38231
Ion Ratio Lower Upper
84 100
49 129.4 99.3 148.9
51 40.5 30.1 45.1
86 62.9 51.1 76.7

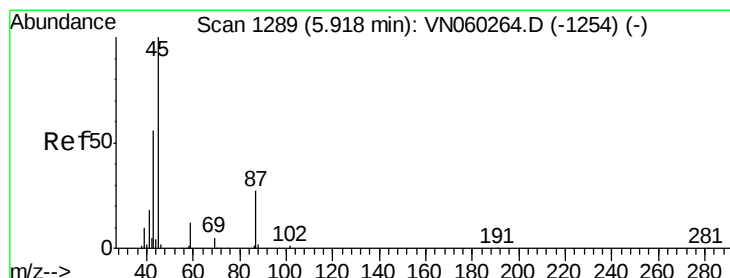
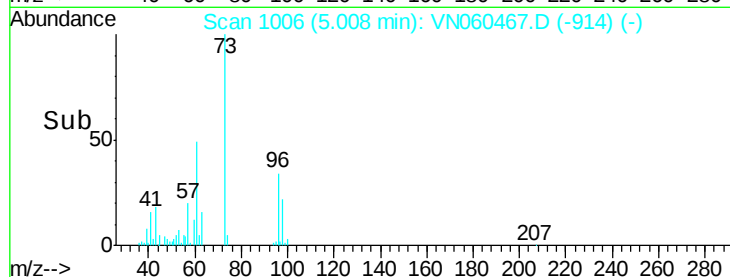
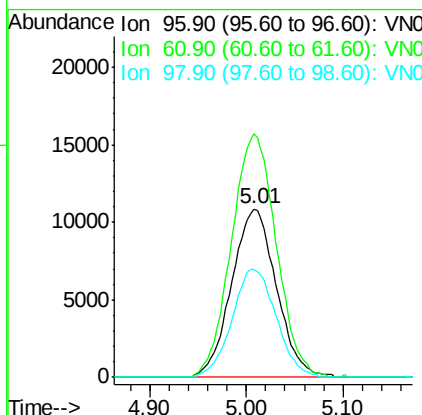
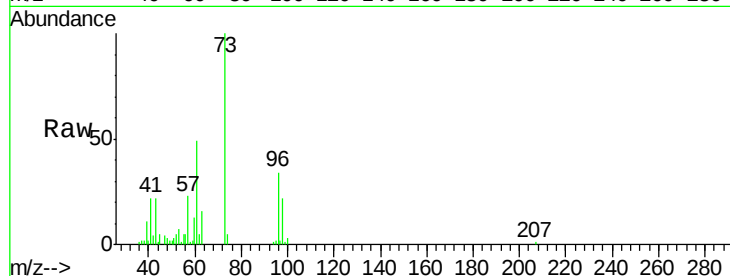




#21
trans-1,2-Dichloroethene
Concen: 17.55 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

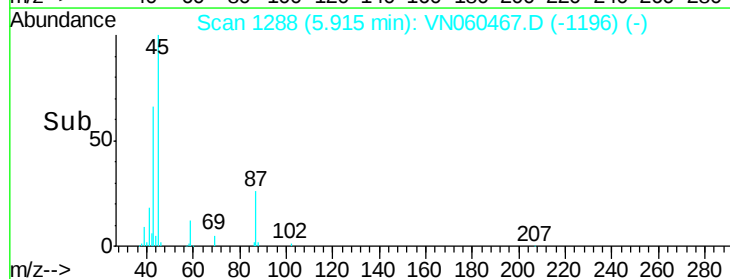
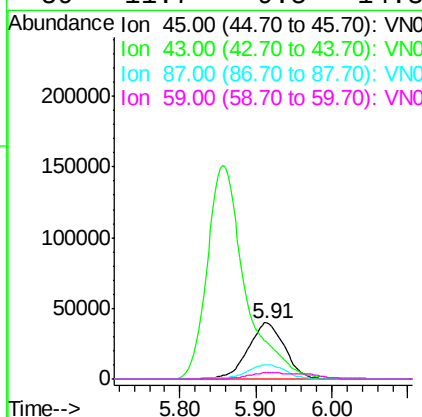
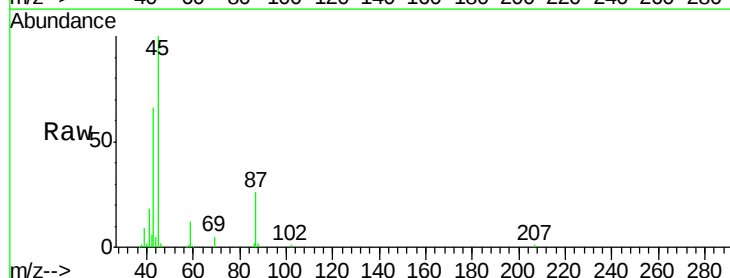
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

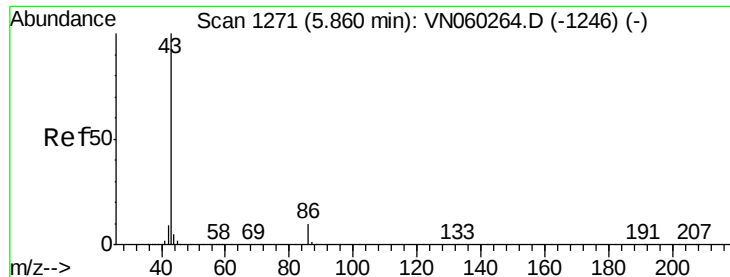
Tgt Ion: 96 Resp: 34970
Ion Ratio Lower Upper
96 100
61 144.4 113.8 170.8
98 63.8 48.8 73.2



#22
Diisopropyl ether
Concen: 19.56 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 45 Resp: 133347
Ion Ratio Lower Upper
45 100
43 63.8 48.6 72.8
87 25.6 22.2 33.2
59 11.7 9.5 14.3

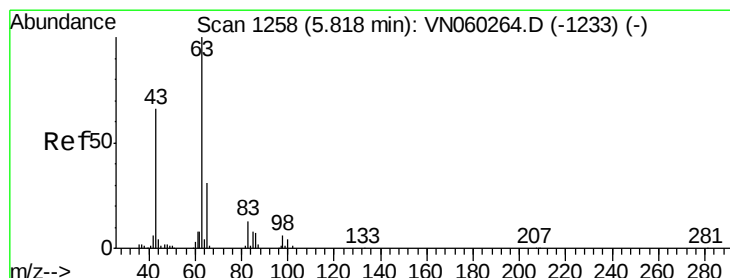
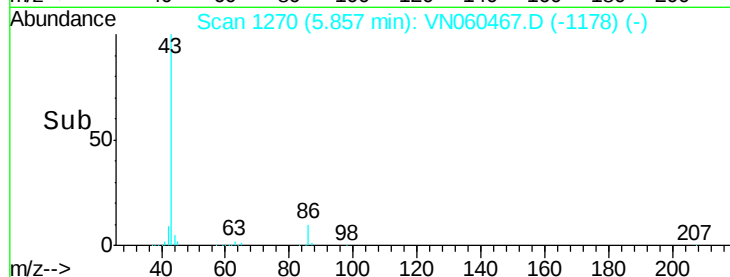
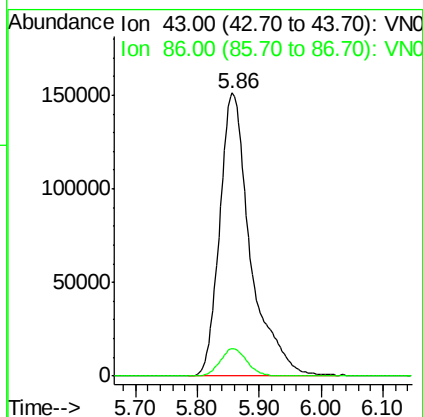
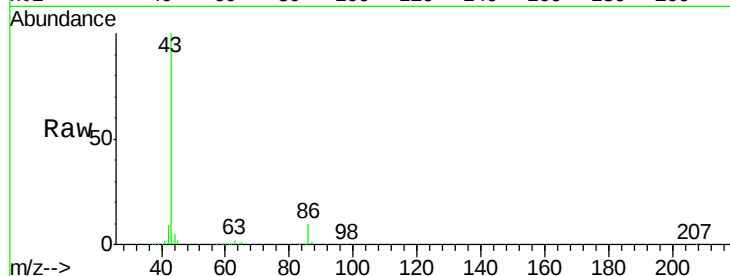




#23
 Vinyl Acetate
 Concen: 96.40 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

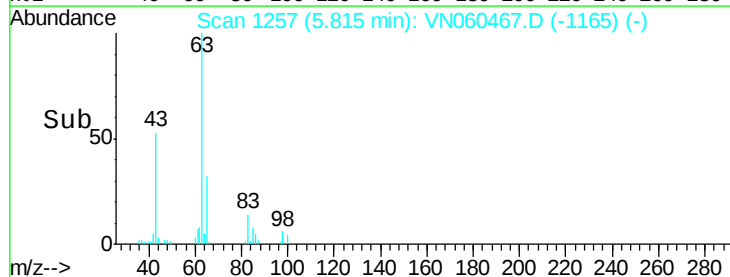
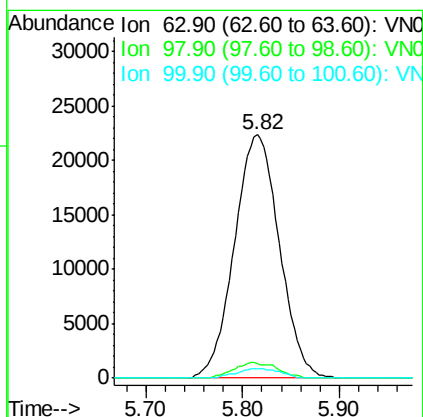
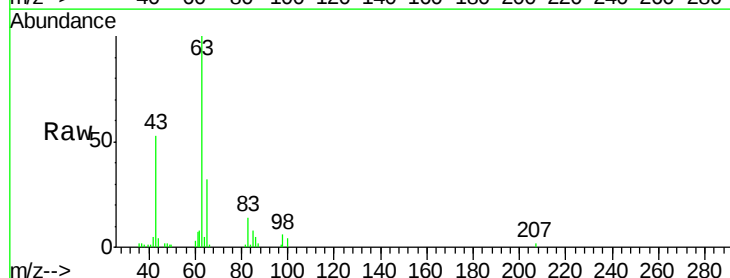
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

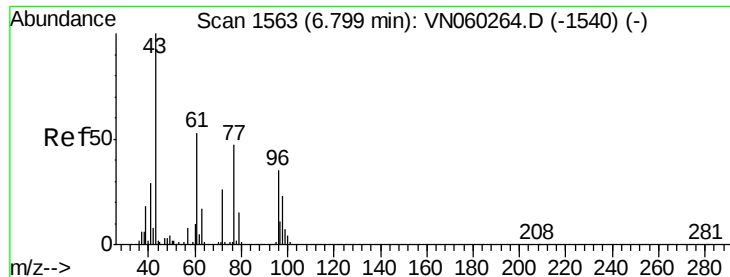
Tgt Ion: 43 Resp: 522256
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 18.70 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion: 63 Resp: 72176
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.9 2.0 6.0

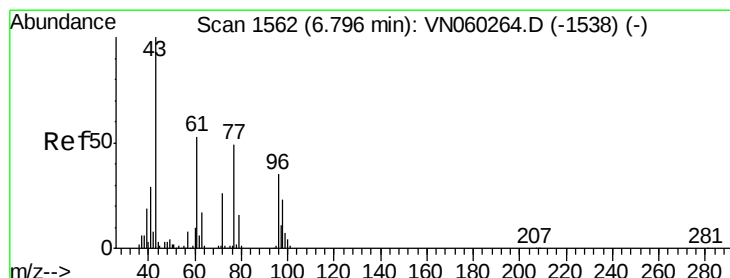
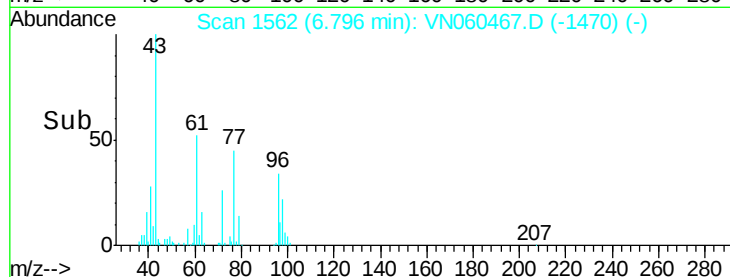
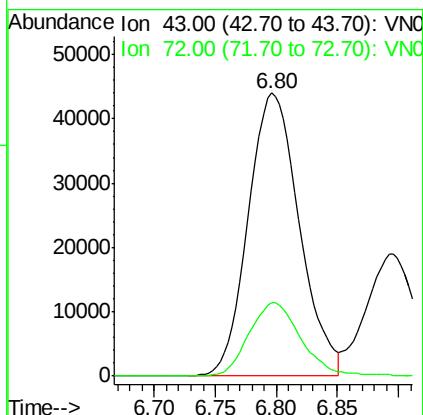
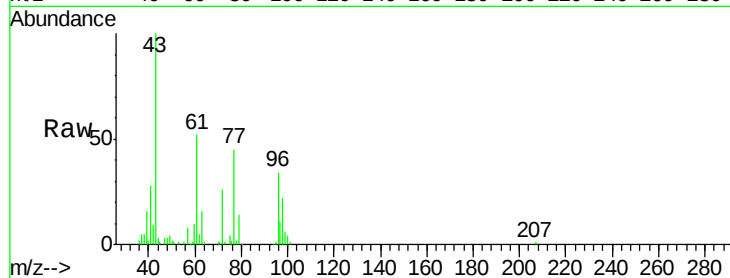




#25
 2-Butanone
 Concen: 100.71 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

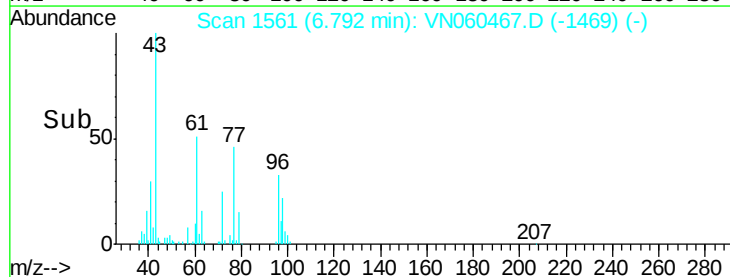
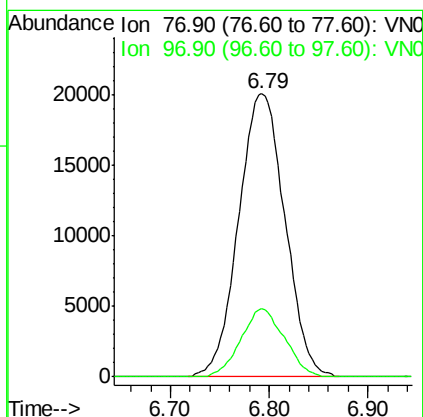
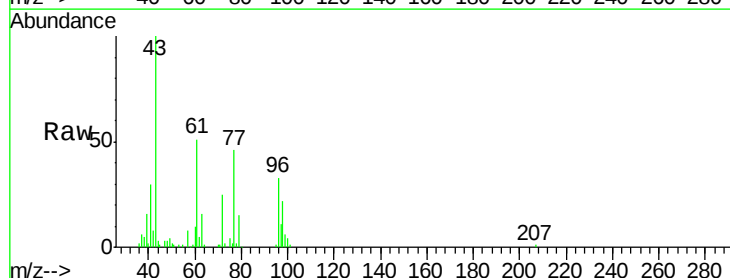
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

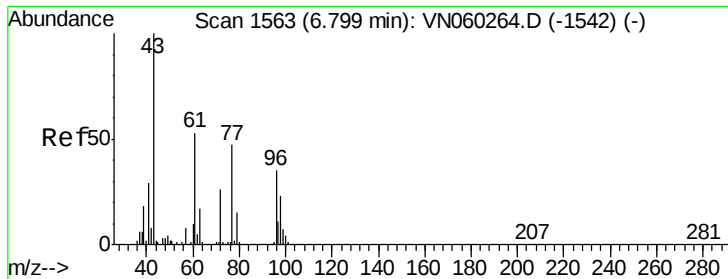
Tgt Ion: 43 Resp: 128067
 Ion Ratio Lower Upper
 43 100
 72 25.8 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 18.55 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion: 77 Resp: 65167
 Ion Ratio Lower Upper
 77 100
 97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.50 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

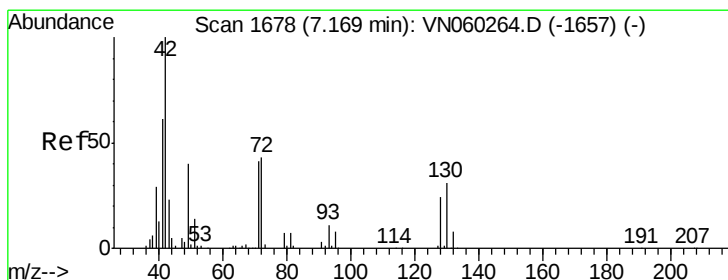
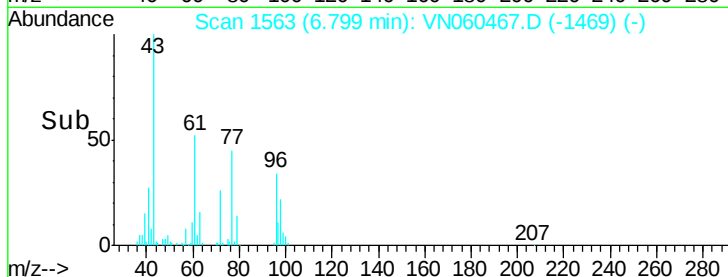
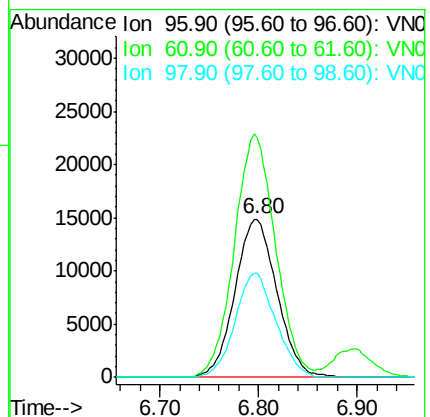
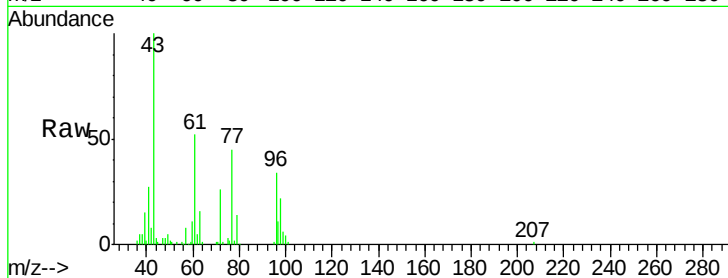
Tgt Ion: 96 Resp: 43877

Ion Ratio Lower Upper

96 100

61 150.6 0.0 300.8

98 63.7 0.0 128.2



#28

Bromochloromethane

Concen: 19.23 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

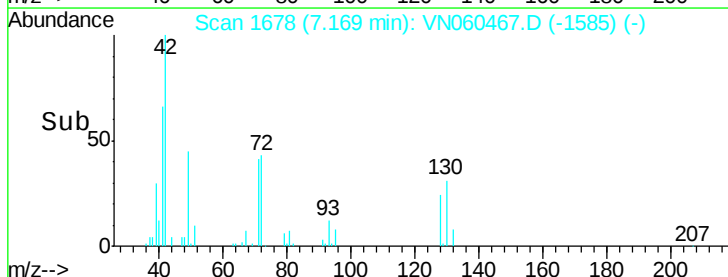
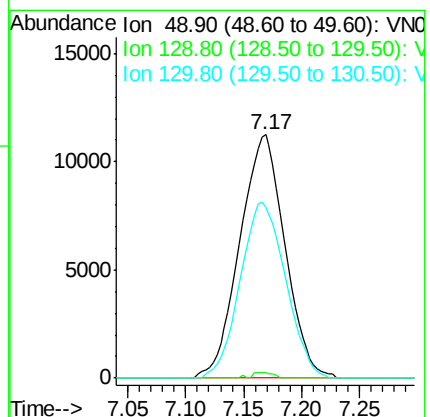
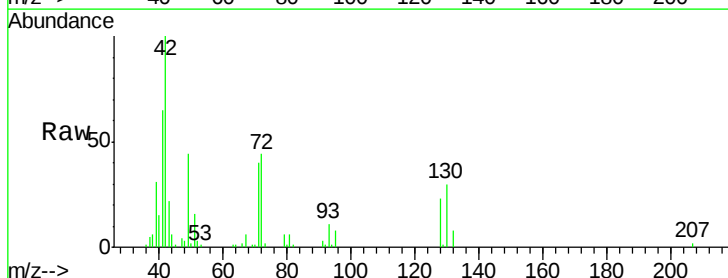
Tgt Ion: 49 Resp: 30470

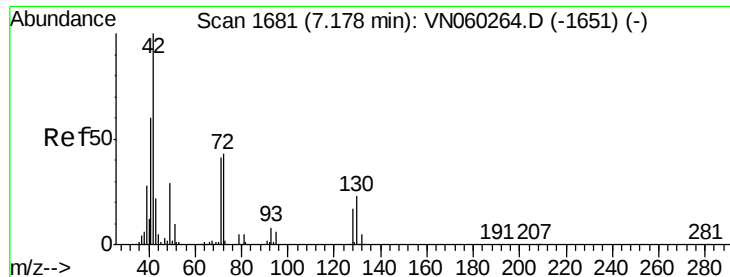
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

130 72.4 59.8 89.8

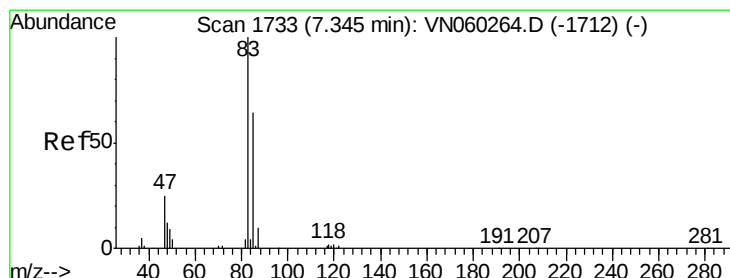
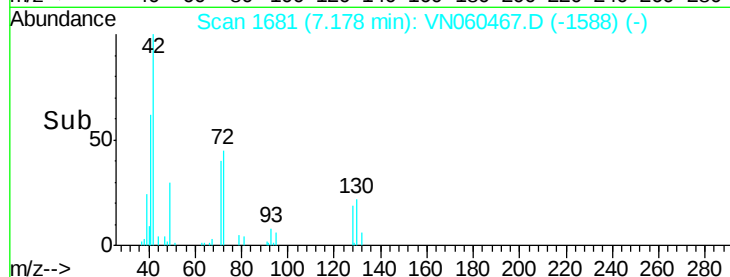
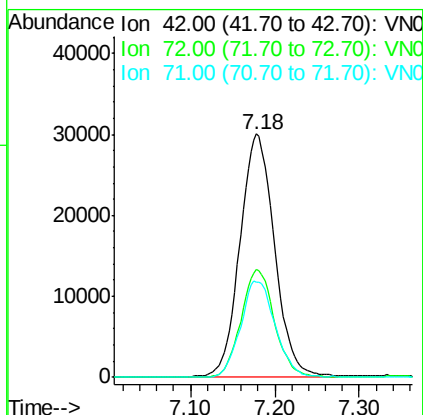
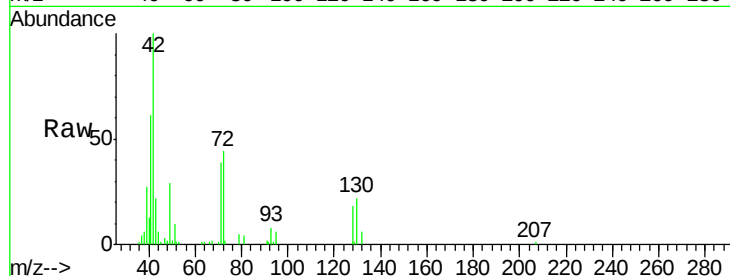




#29
Tetrahydrofuran
Concen: 97.43 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

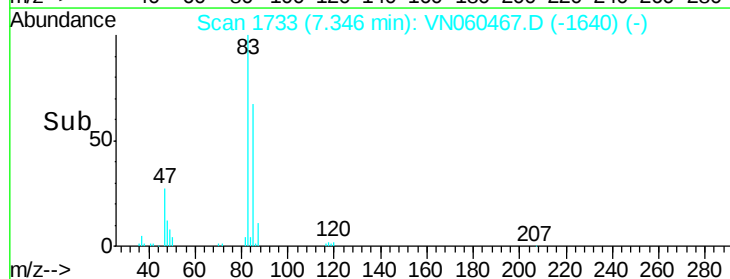
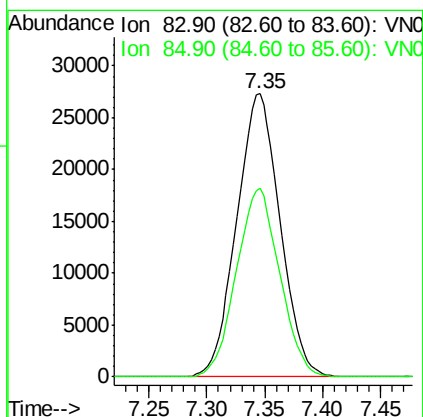
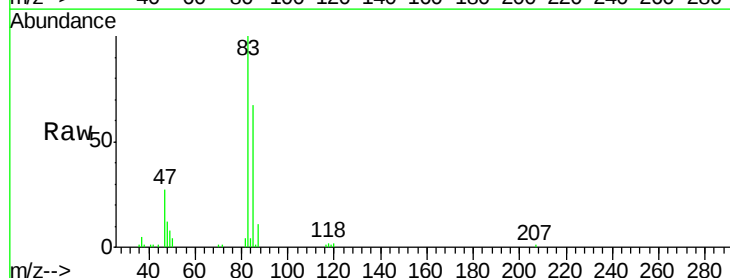
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

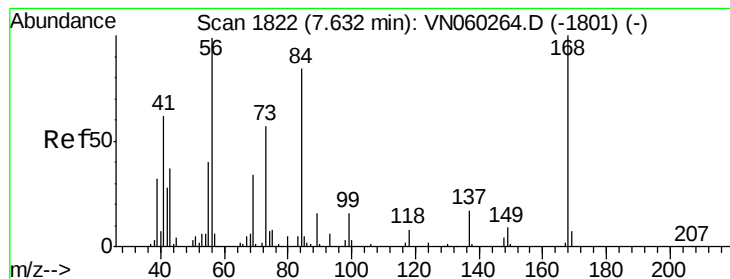
Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.6	52.0
71	39.3	32.9	49.3



#30
Chloroform
Concen: 18.51 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.2





#31

Cyclohexane

Concen: 18.30 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

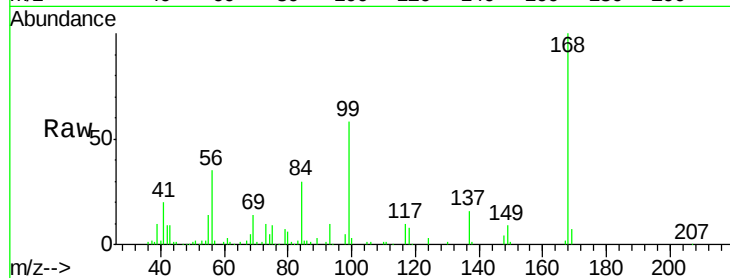
Tgt Ion: 56 Resp: 63073

Ion Ratio Lower Upper

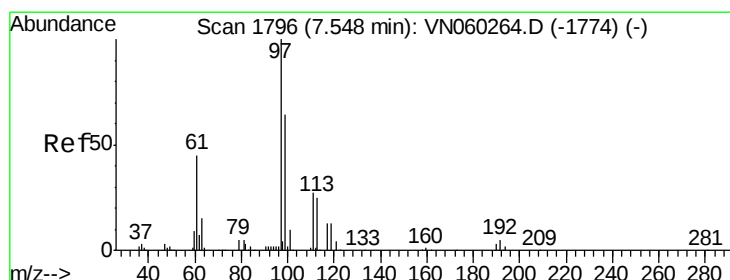
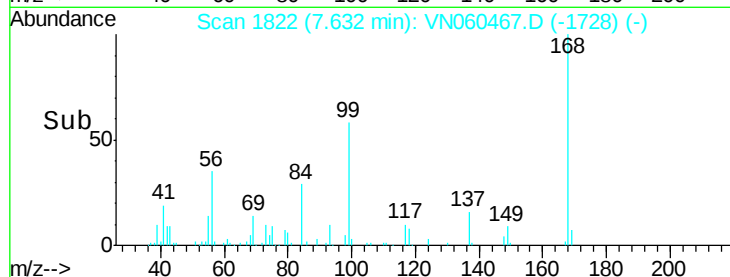
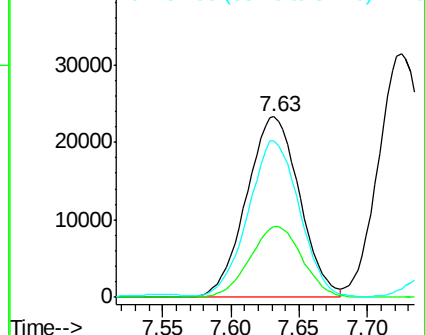
56 100

69 39.1 27.2 40.8

84 86.0 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: 18.18 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

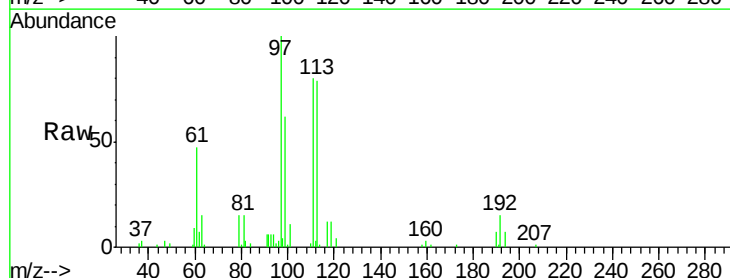
Tgt Ion: 97 Resp: 61871

Ion Ratio Lower Upper

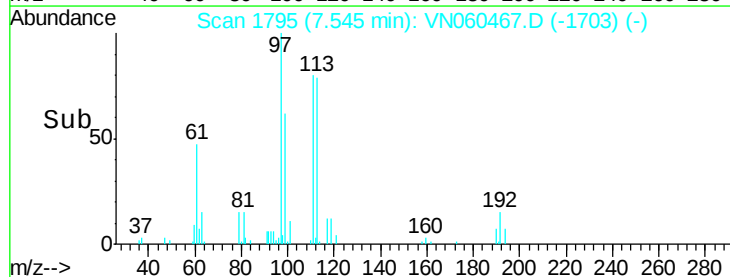
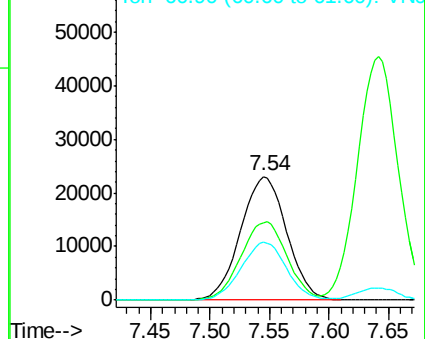
97 100

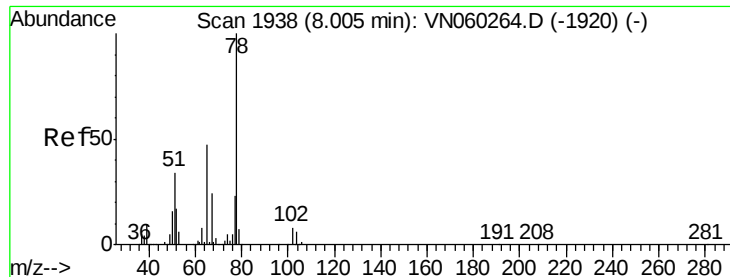
99 63.6 51.4 77.0

61 46.1 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

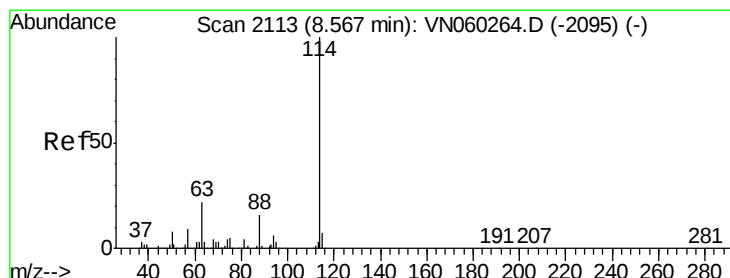
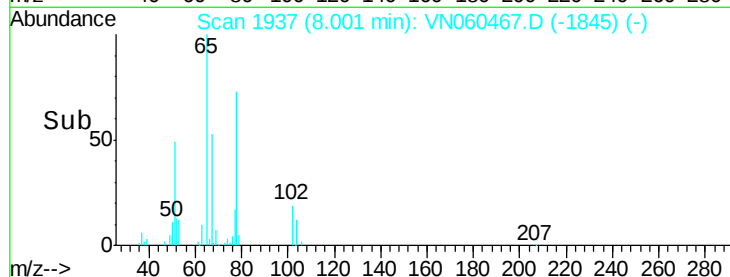
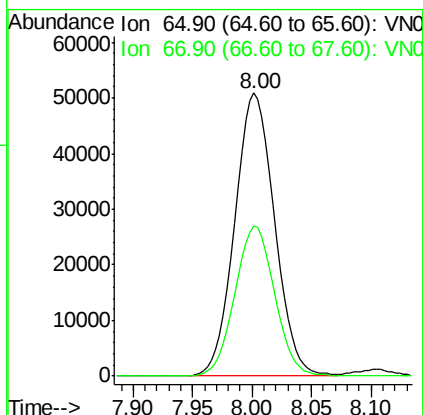
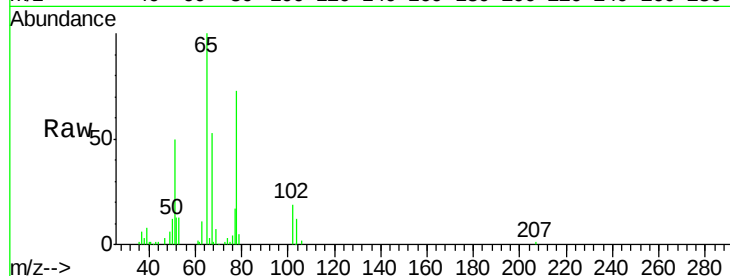




#33
 1,2-Dichloroethane-d4
 Concen: 48.44 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

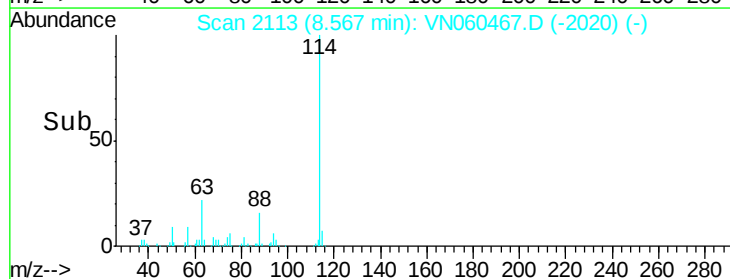
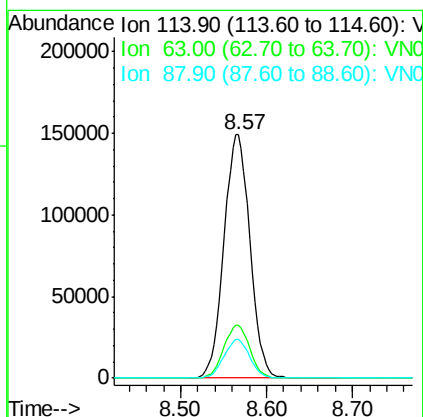
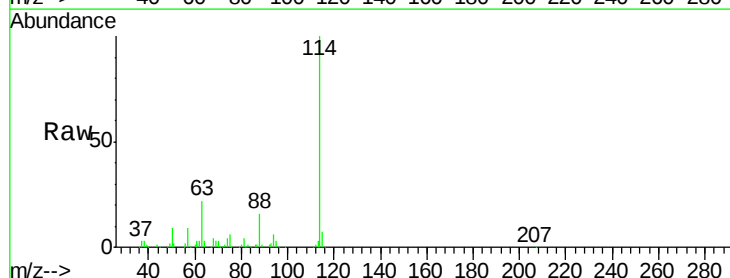
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

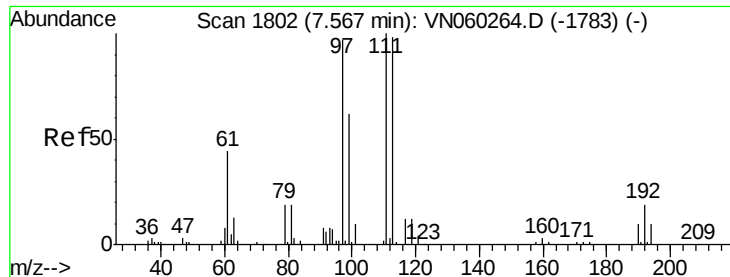
Tgt Ion: 65 Resp: 118106
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion: 114 Resp: 313280
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 15.9 0.0 31.6

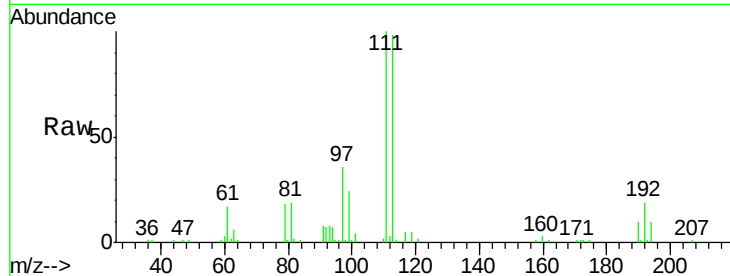




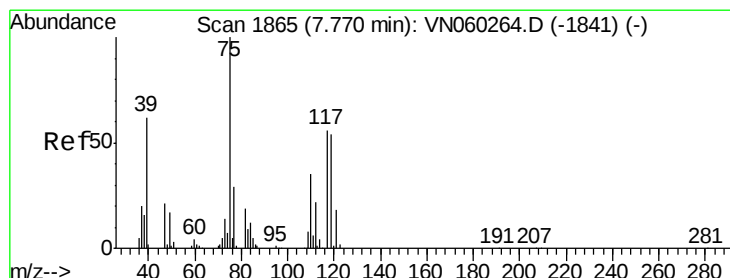
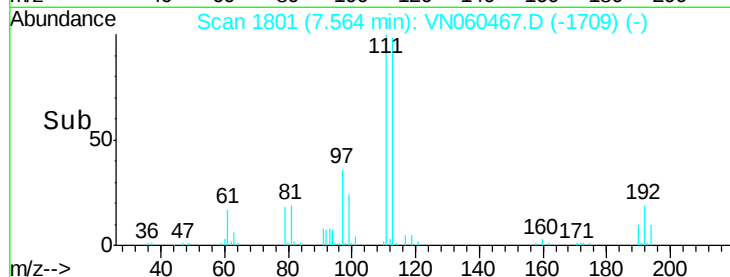
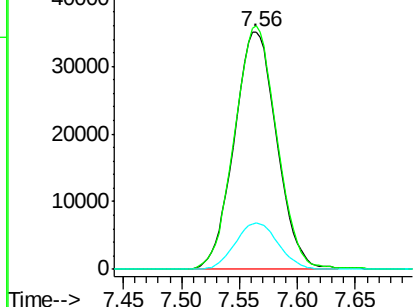
#35
 Dibromofluoromethane
 Concen: 61.58 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tgt Ion: 113 Resp: 89542
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 19.6 16.2 24.2

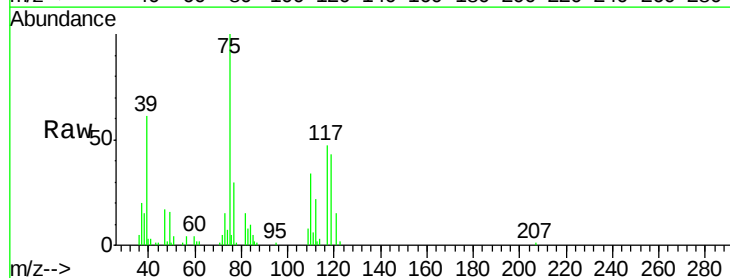


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

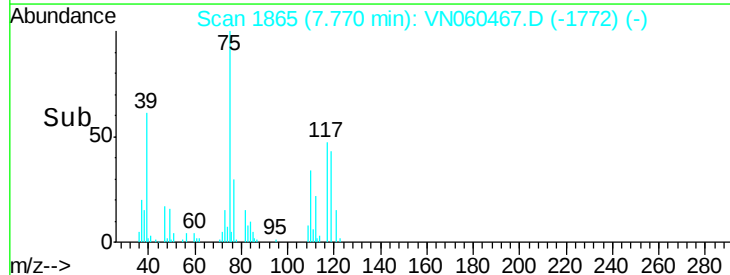
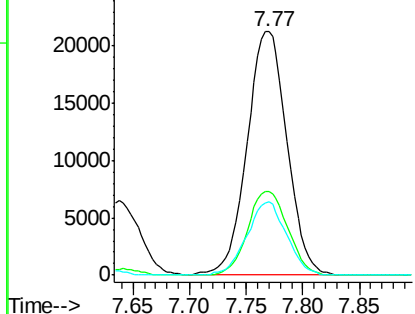


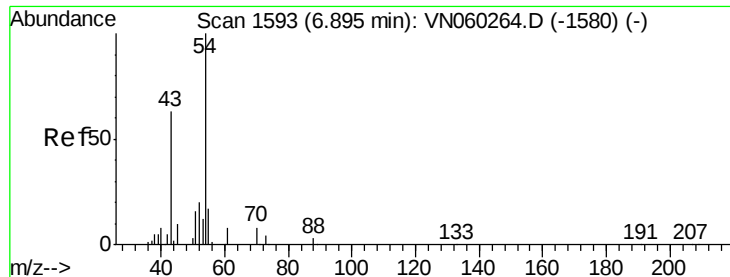
#36
 1,1-Dichloropropene
 Concen: 17.45 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion: 75 Resp: 52087
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.3 52.0
 77 29.7 24.2 36.2



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

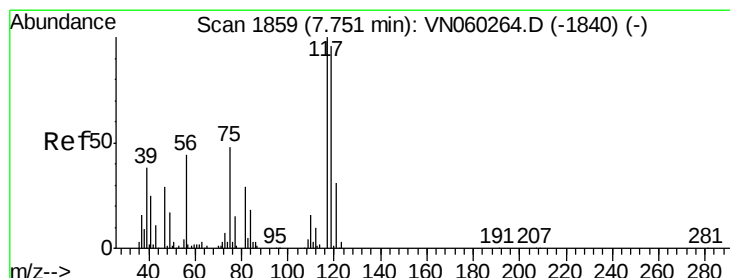
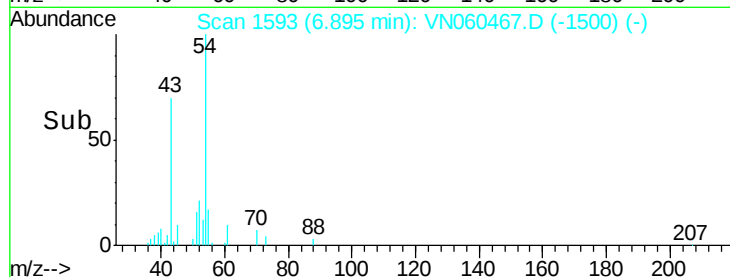
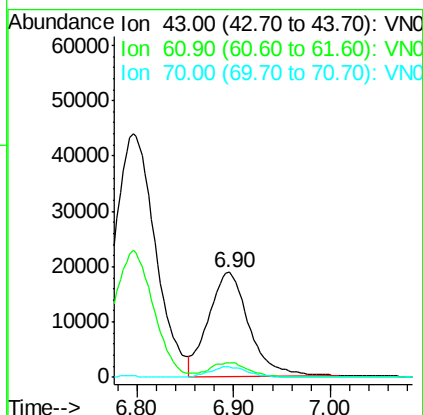
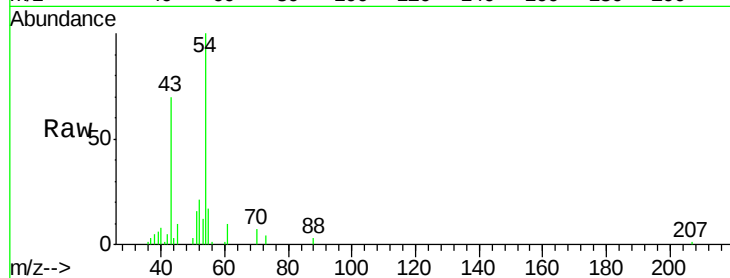




#37
 Ethyl Acetate
 Concen: 19.25 ug/l
 RT: 6.90 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

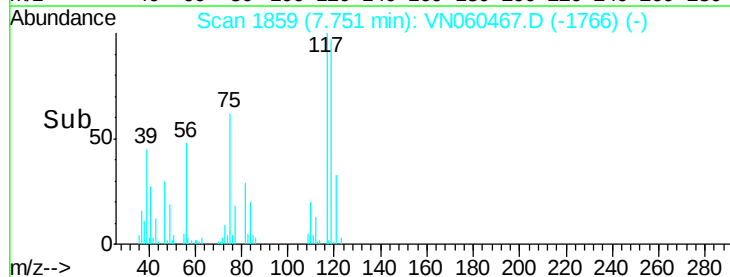
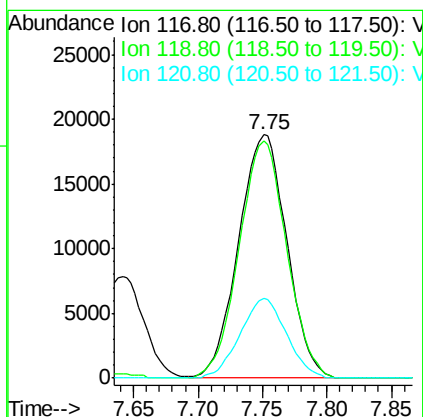
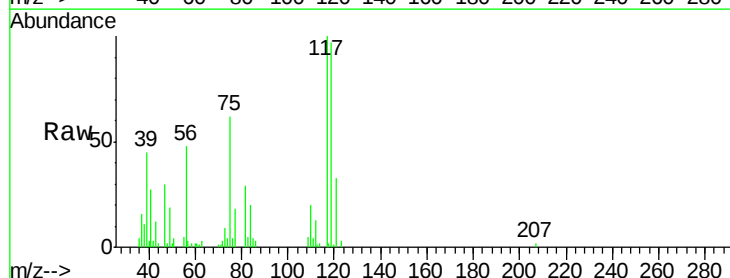
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

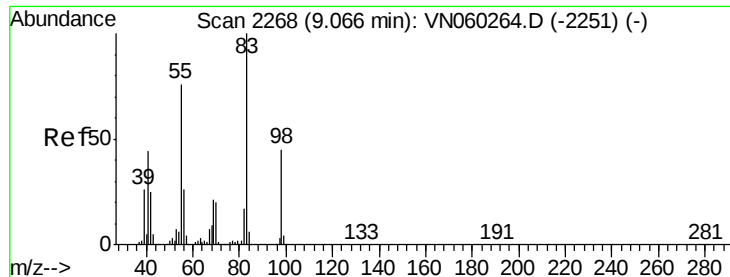
Tgt Ion: 43 Resp: 54429
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.1 16.7
 70 9.4 8.4 12.6



#38
 Carbon Tetrachloride
 Concen: 16.88 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion: 117 Resp: 49059
 Ion Ratio Lower Upper
 117 100
 119 97.4 76.7 115.1
 121 32.8 24.5 36.7





#39

Methylcyclohexane

Concen: 16.64 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

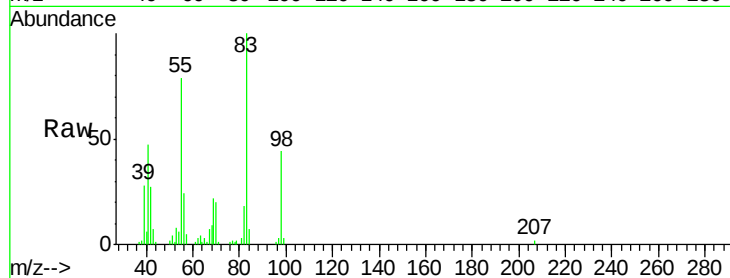
Tgt Ion: 83 Resp: 58582

Ion Ratio Lower Upper

83 100

55 79.0 61.0 91.4

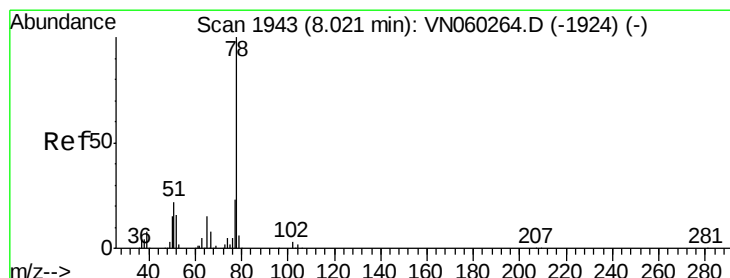
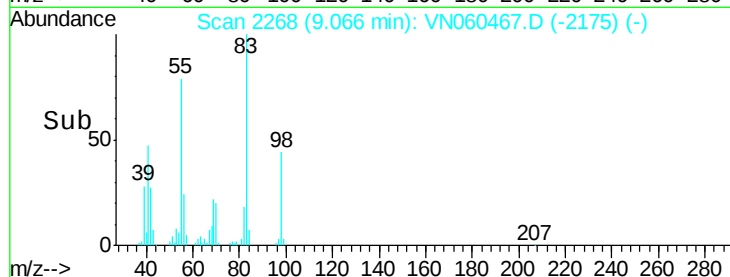
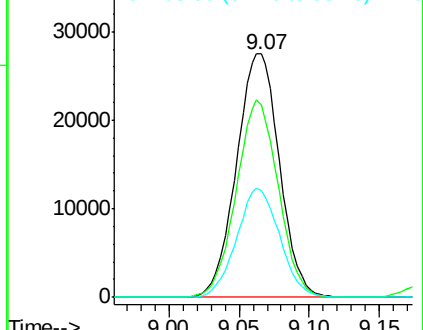
98 44.0 36.1 54.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 18.10 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060467.D

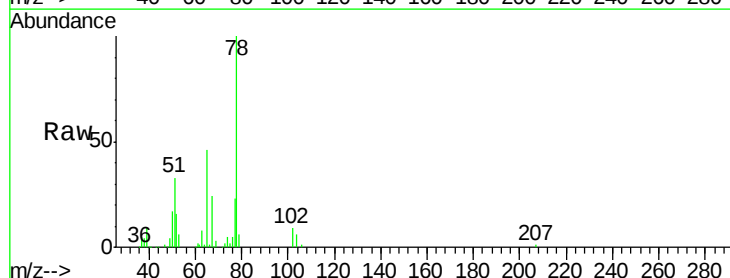
Acq: 12 Mar 2020 10:28

Tgt Ion: 78 Resp: 157252

Ion Ratio Lower Upper

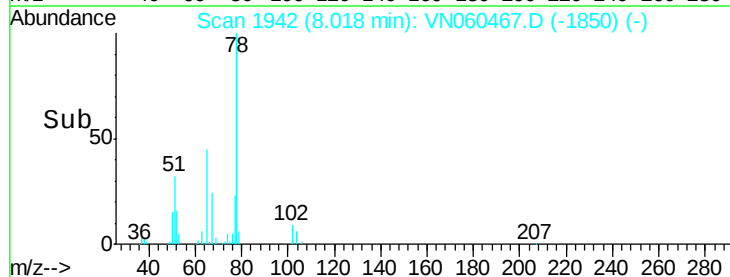
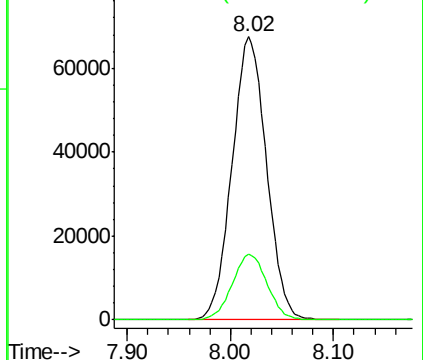
78 100

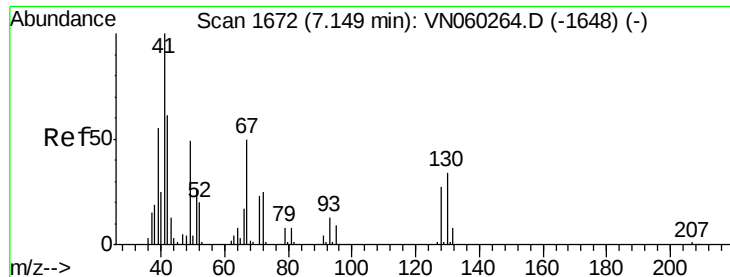
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

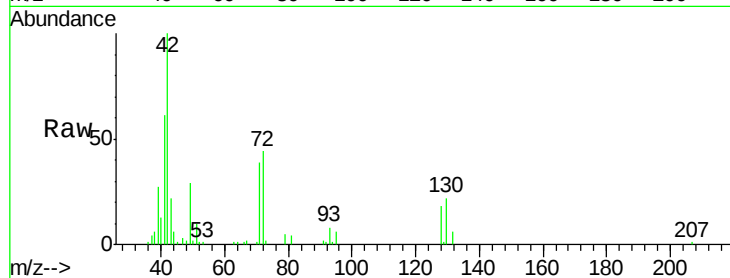




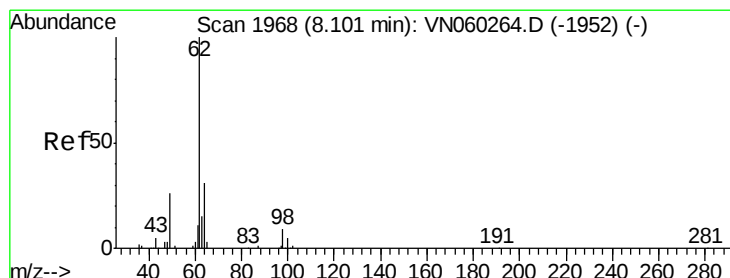
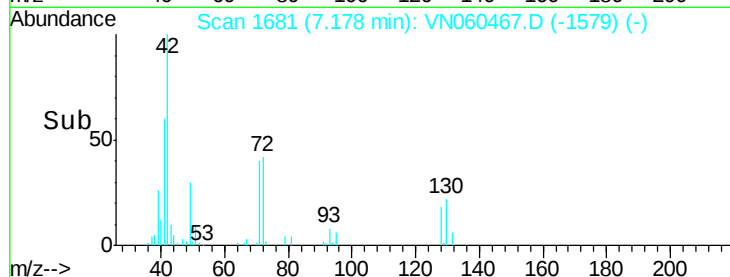
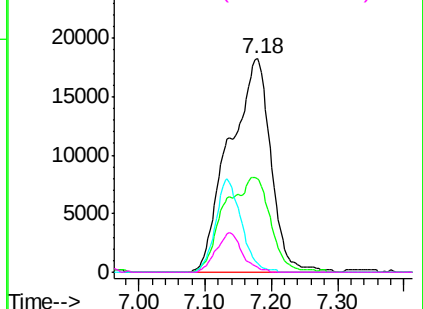
#41
Methacrylonitrile
Concen: 60.82 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion:	41	Resp:	79397
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

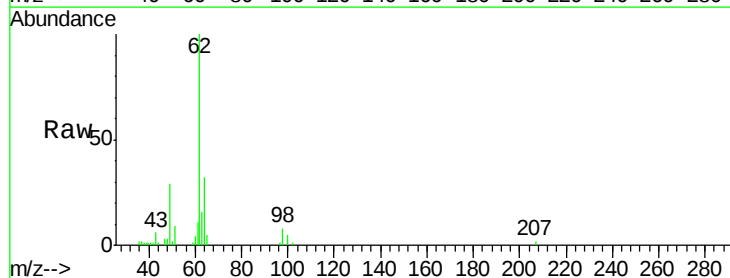


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

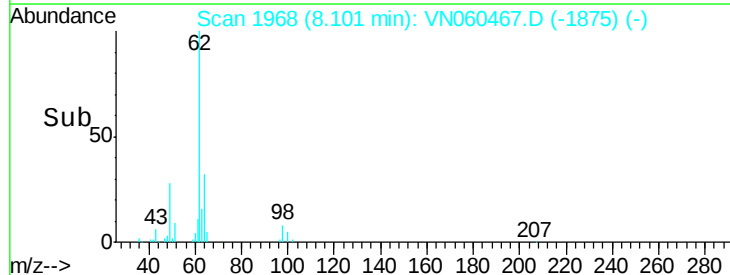
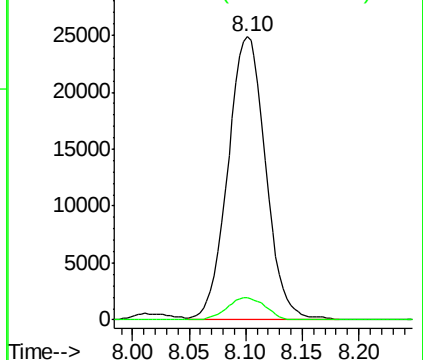


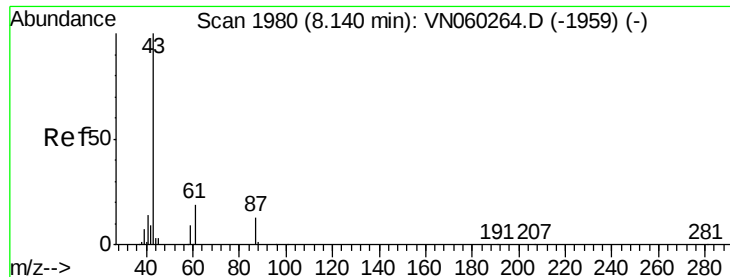
#42
1,2-Dichloroethane
Concen: 18.42 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion:	62	Resp:	57772
Ion	Ratio	Lower	Upper
62	100		
98	8.0	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: 19.34 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampled :

VN0312WBS01

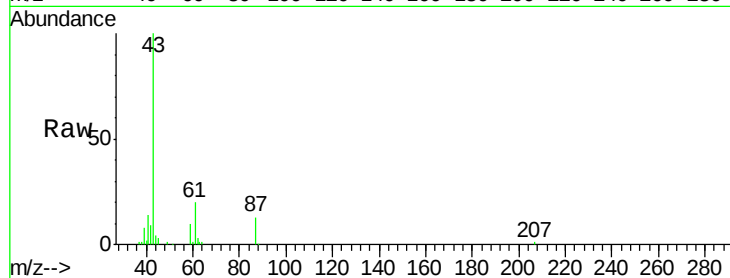
Tgt Ion: 43 Resp: 95696

Ion Ratio Lower Upper

43 100

61 25.9 20.9 31.3

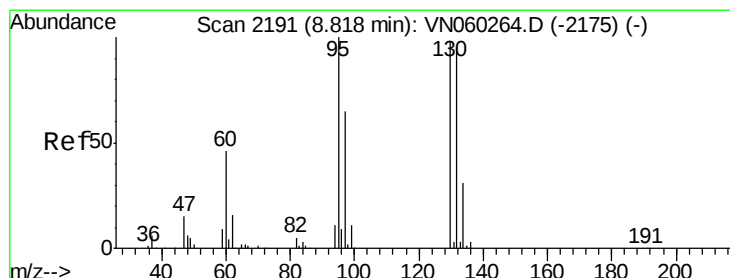
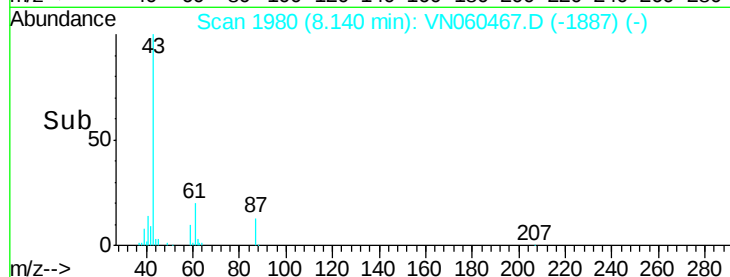
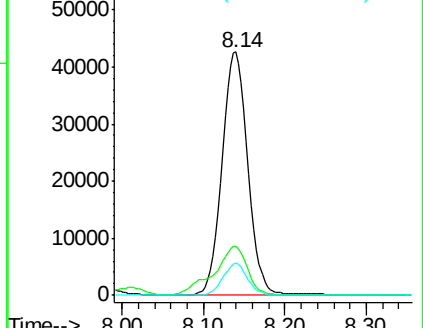
87 12.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060467.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060467.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060467.D (-1959) (-)



#44

Trichloroethene

Concen: 17.28 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060467.D

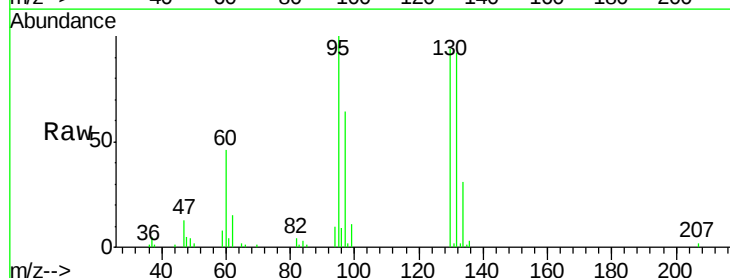
Acq: 12 Mar 2020 10:28

Tgt Ion: 130 Resp: 41817

Ion Ratio Lower Upper

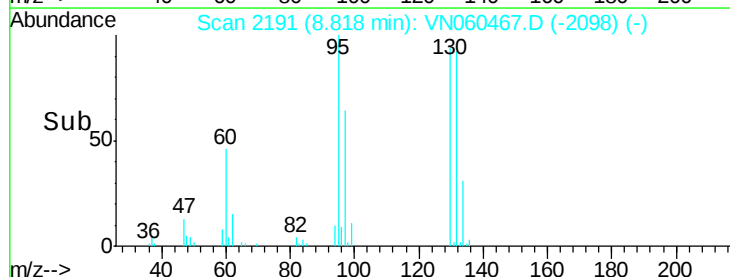
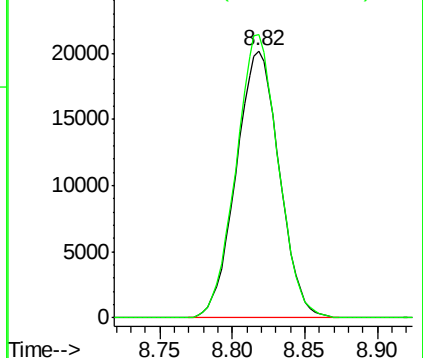
130 100

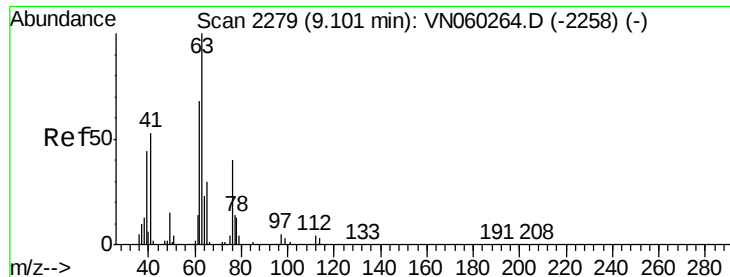
95 105.9 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060467.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060467.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 19.93 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

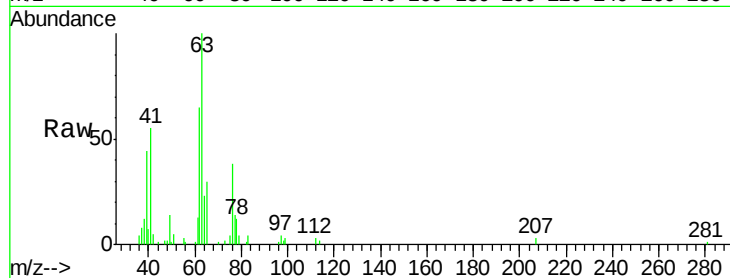
VN0312WBS01

Tgt Ion: 63 Resp: 45280

Ion Ratio Lower Upper

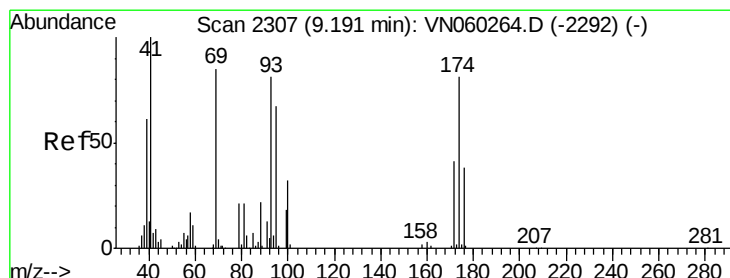
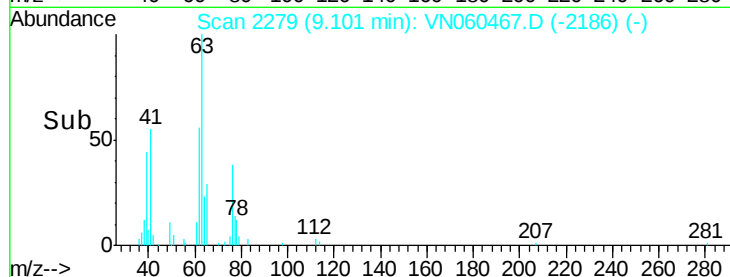
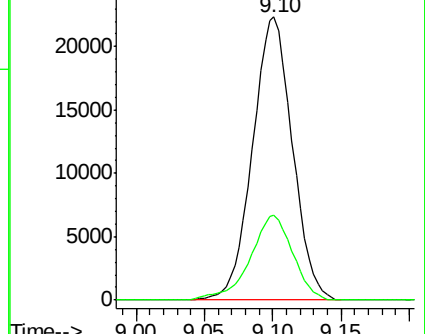
63 100

65 29.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.16 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

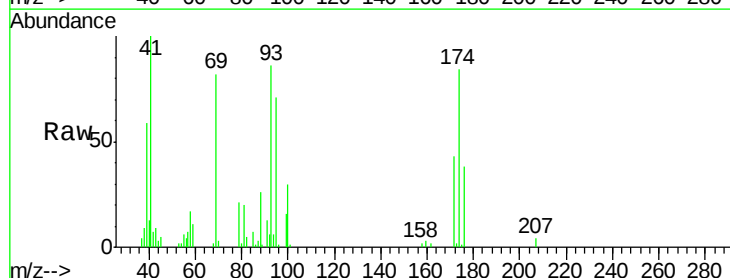
Tgt Ion: 93 Resp: 26775

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

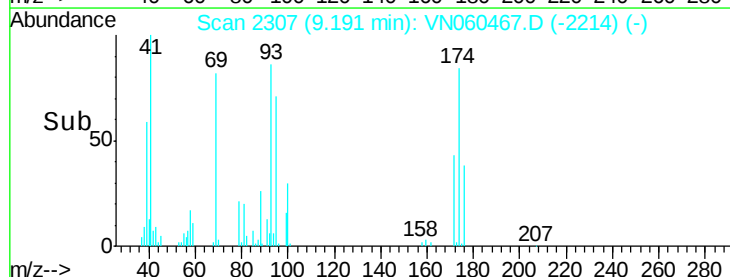
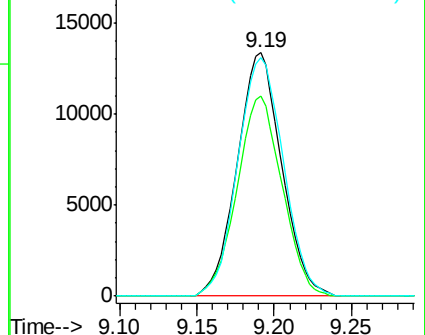
174 100.3 79.6 119.4

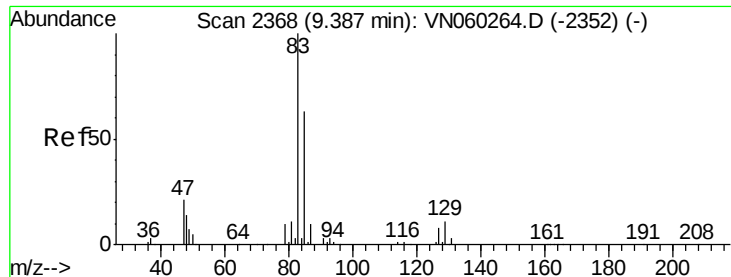


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

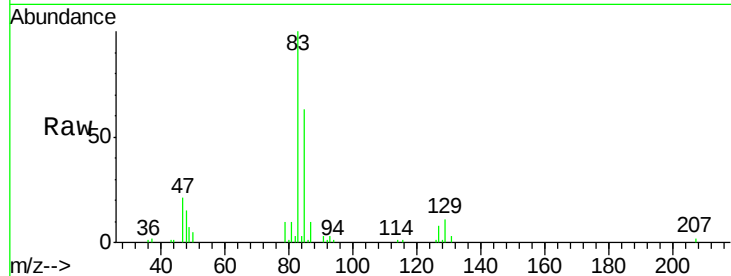




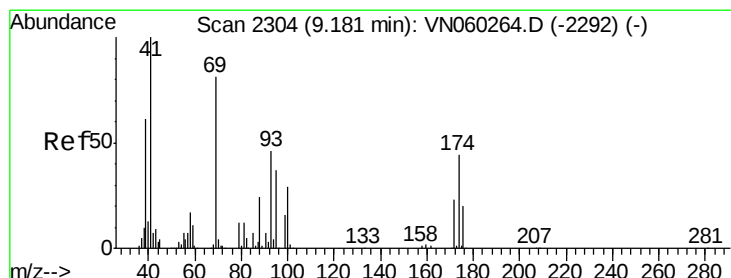
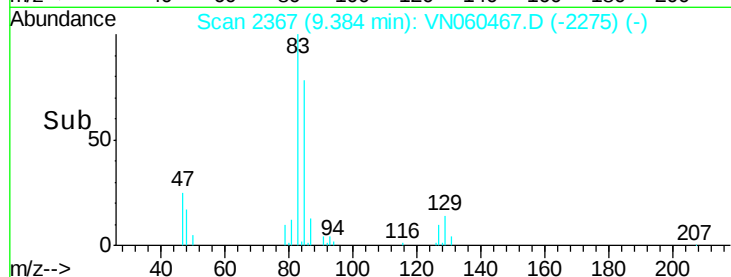
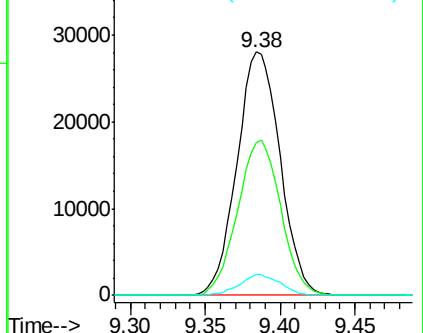
#47
 Bromodichloromethane
 Concen: 18.80 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Tgt Ion: 83 Resp: 56381
 Ion Ratio Lower Upper
 83 100
 85 62.7 50.7 76.1
 127 8.4 6.8 10.2

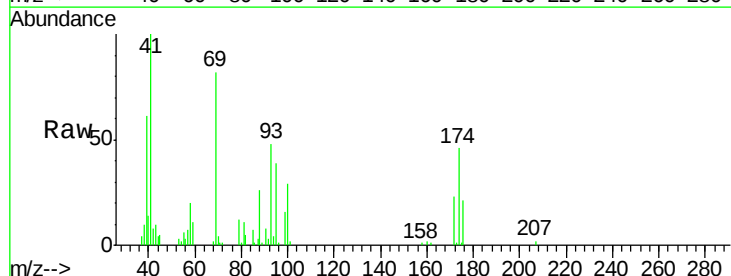


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

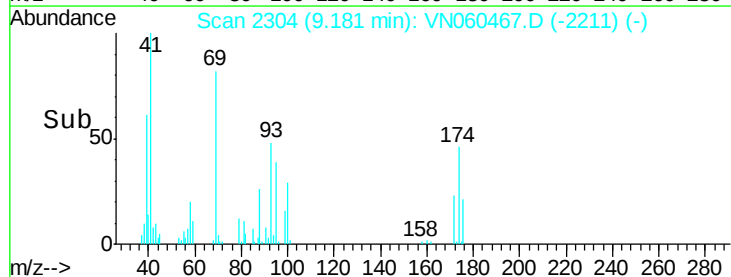
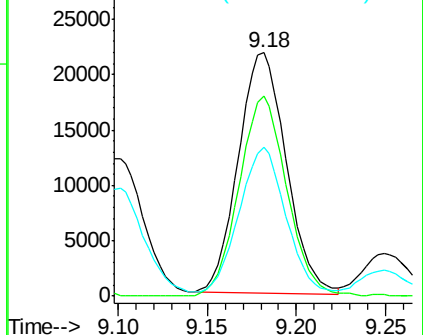


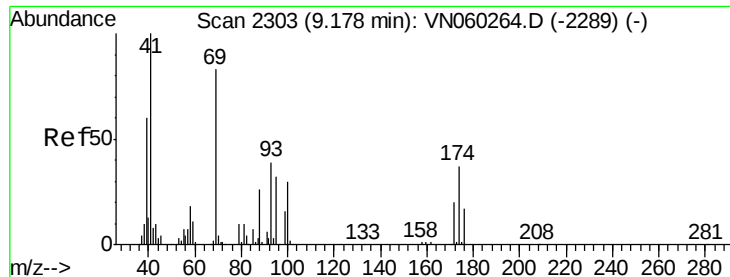
#48
 Methyl methacrylate
 Concen: 18.09 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion: 41 Resp: 40829
 Ion Ratio Lower Upper
 41 100
 69 83.0 66.7 100.1
 39 58.8 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

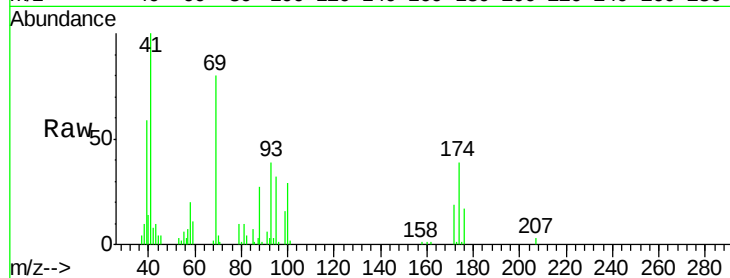




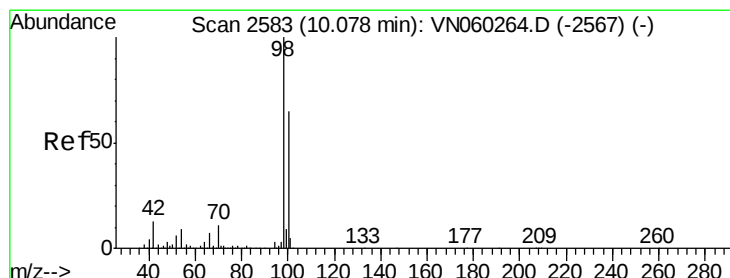
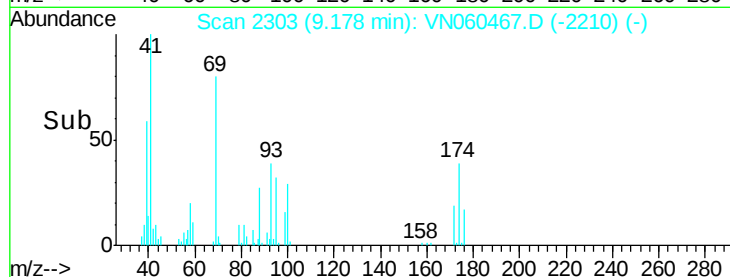
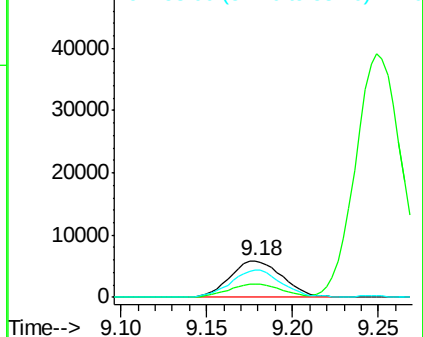
#49
1,4-Dioxane
Concen: 392.14 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion: 88 Resp: 12446
Ion Ratio Lower Upper
88 100
43 37.2 30.4 45.6
58 71.1 57.0 85.6

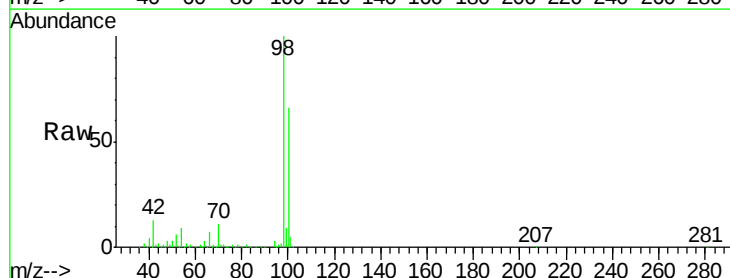


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

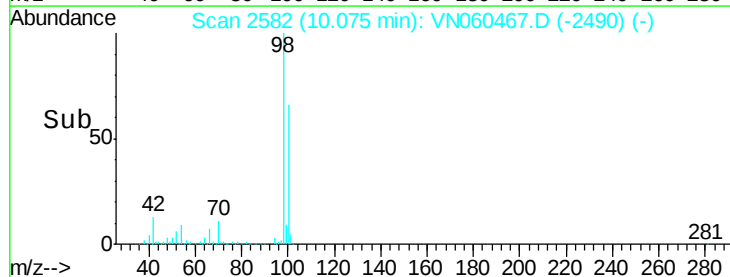
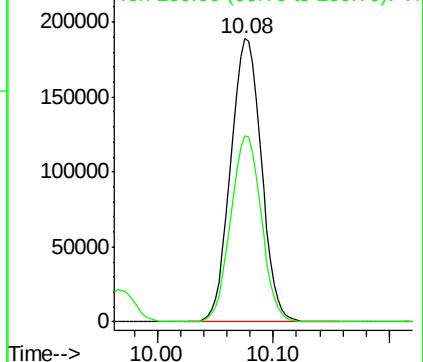


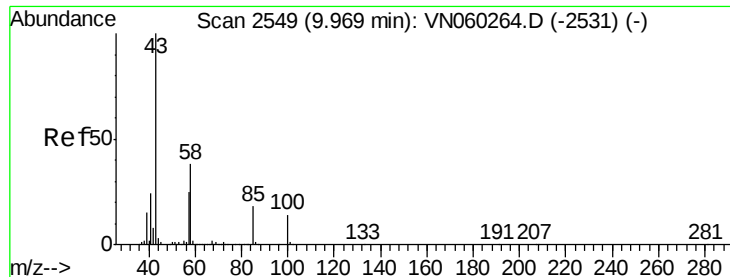
#50
Toluene-d8
Concen: 46.98 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 98 Resp: 345766
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



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

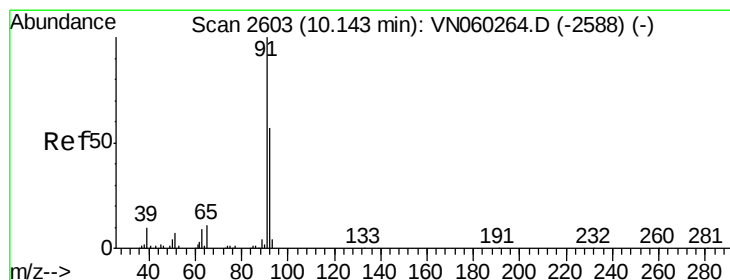
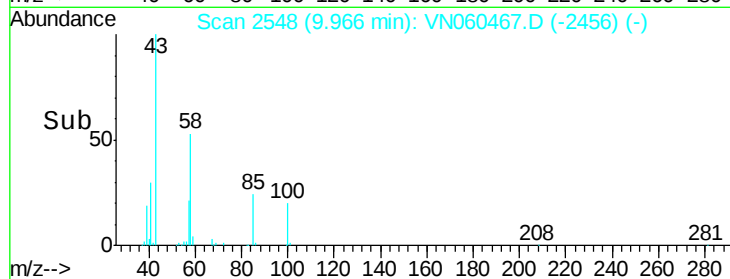
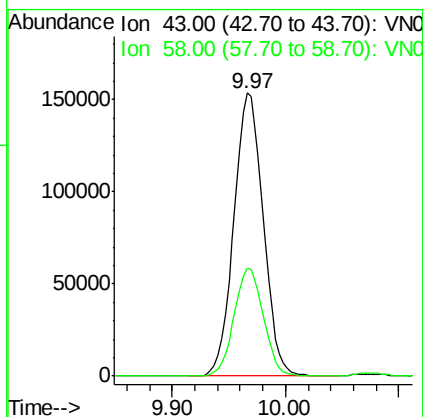
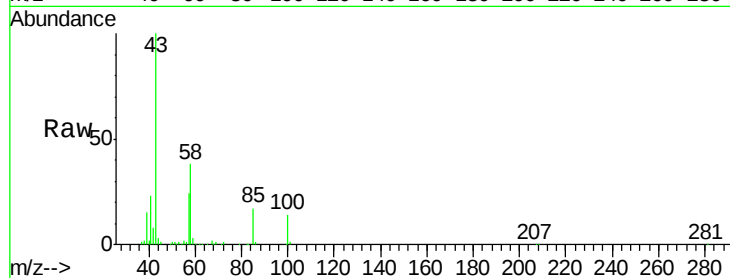




#51
 4-Methyl-2-Pentanone
 Concen: 98.97 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

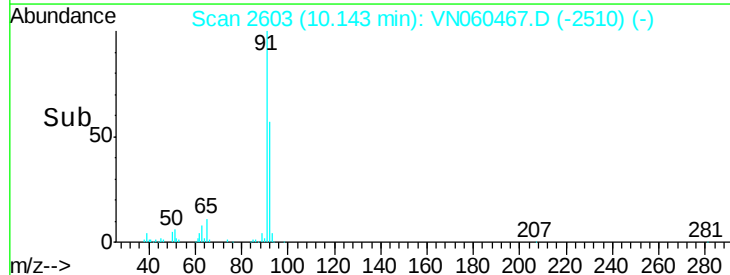
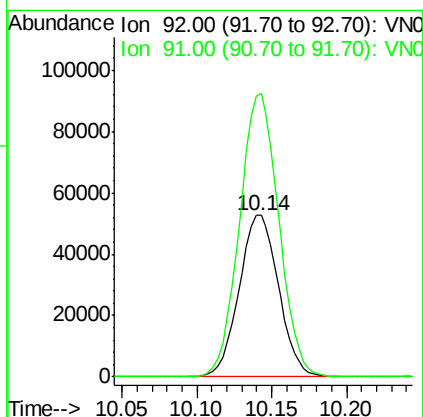
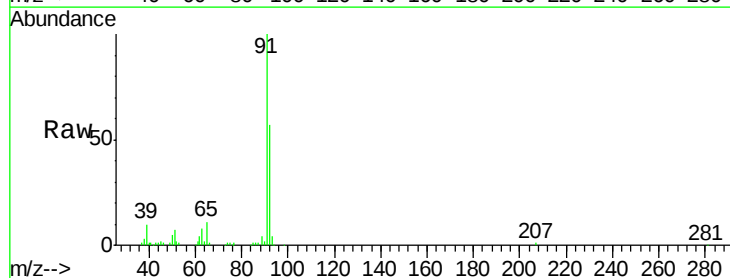
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

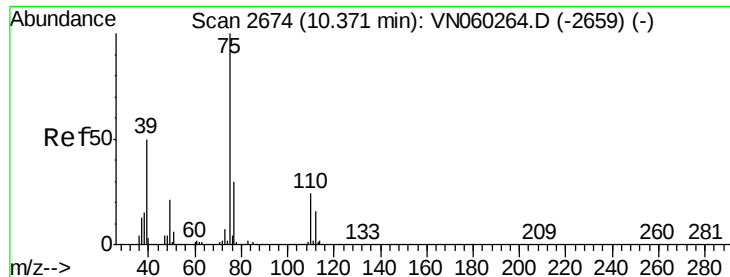
Tgt Ion: 43 Resp: 277739
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.9 46.3



#52
 Toluene
 Concen: 17.69 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion: 92 Resp: 96582
 Ion Ratio Lower Upper
 92 100
 91 174.7 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 17.48 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

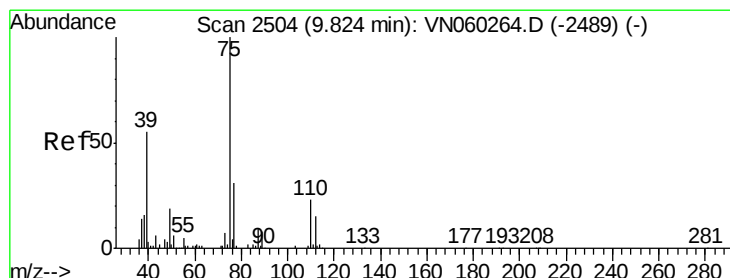
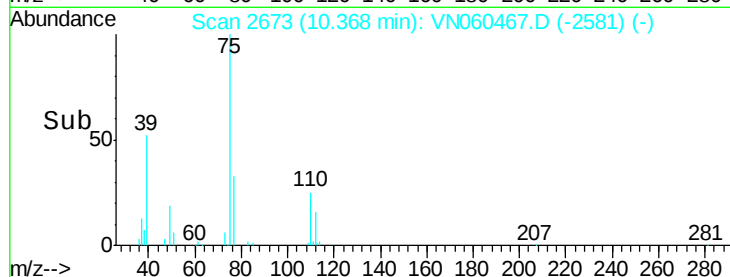
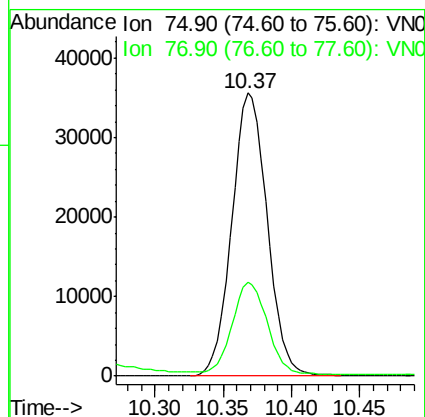
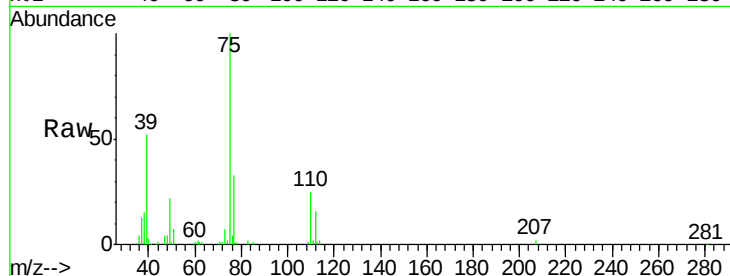
VN0312WBS01

Tgt Ion: 75 Resp: 64232

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 18.43 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

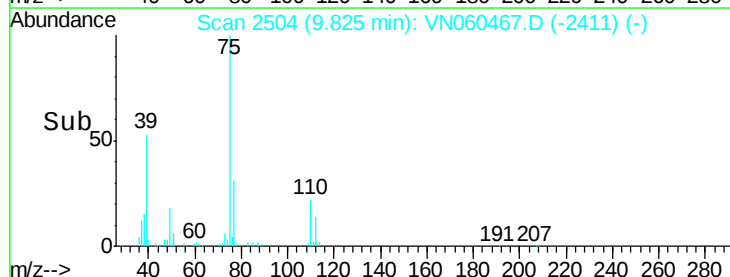
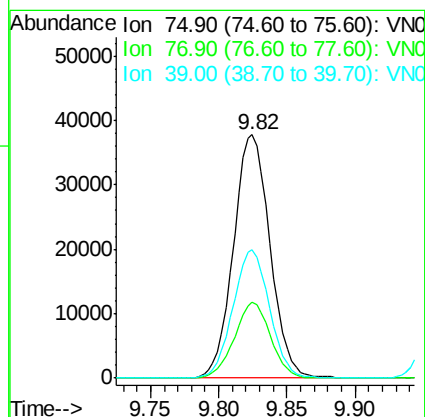
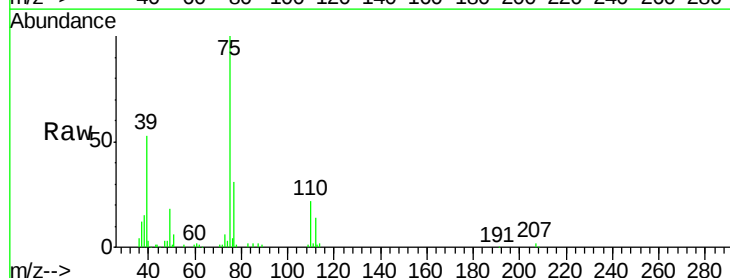
Tgt Ion: 75 Resp: 70155

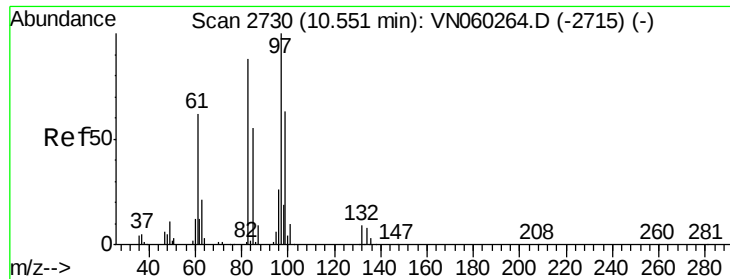
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 52.7 43.8 65.8

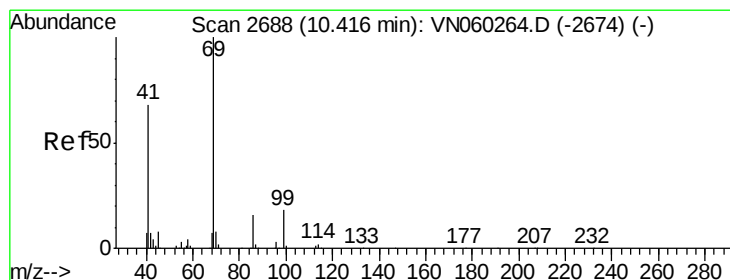
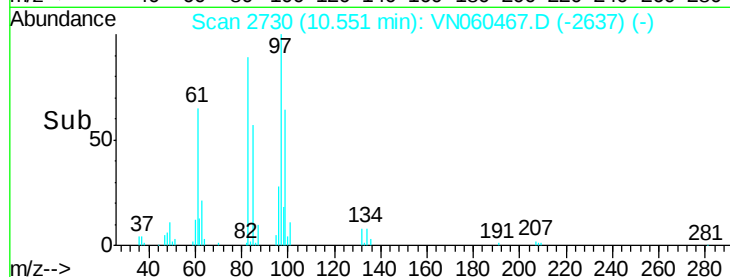
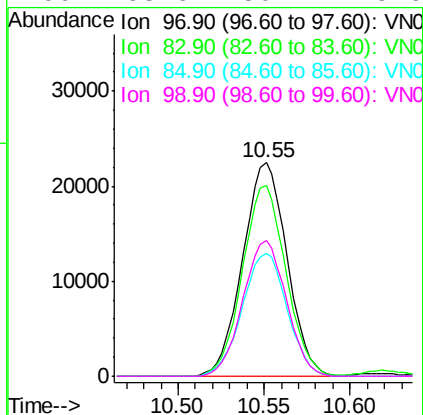
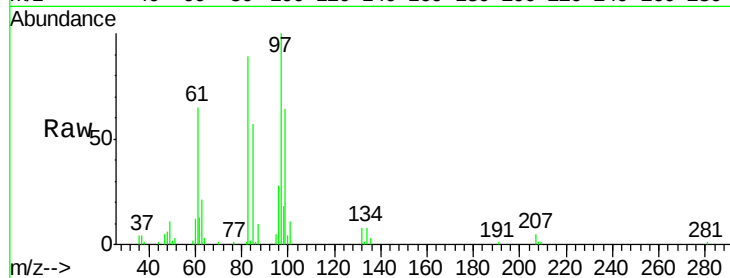




#55
 1,1,2-Trichloroethane
 Concen: 18.30 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

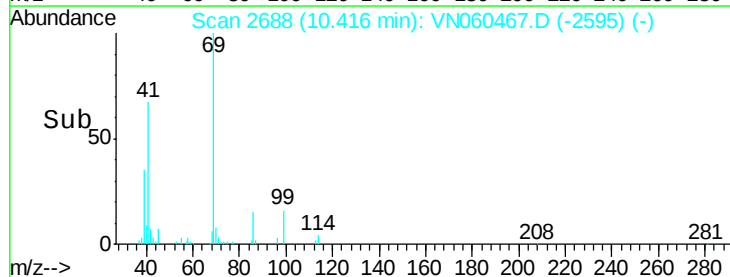
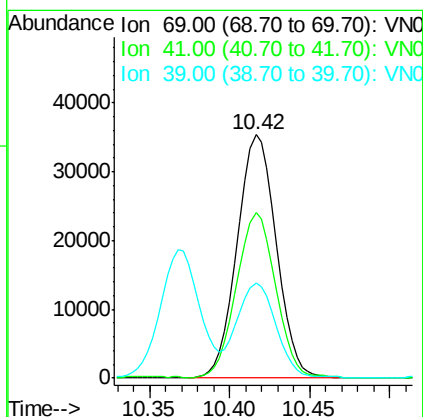
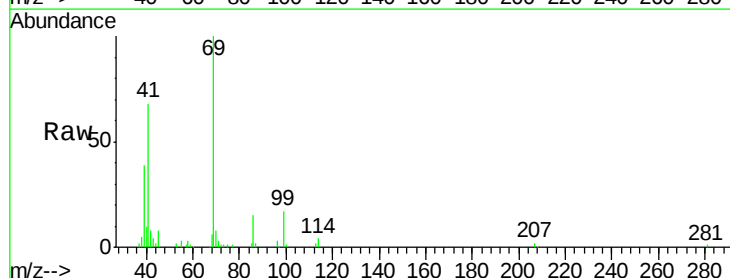
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

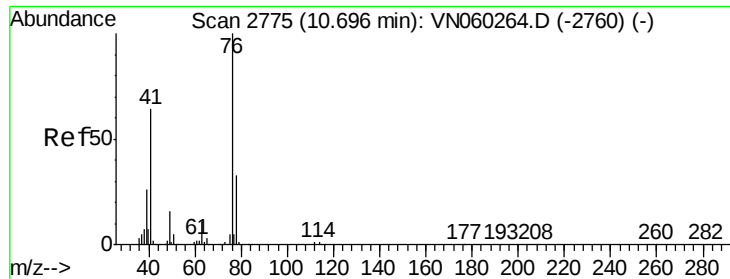
Tgt Ion:	97	Resp:	40174
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.0	105.0
85	57.4	44.0	66.0
99	63.6	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 18.67 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion:	69	Resp:	58880
Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.1	81.1
39	39.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 18.95 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

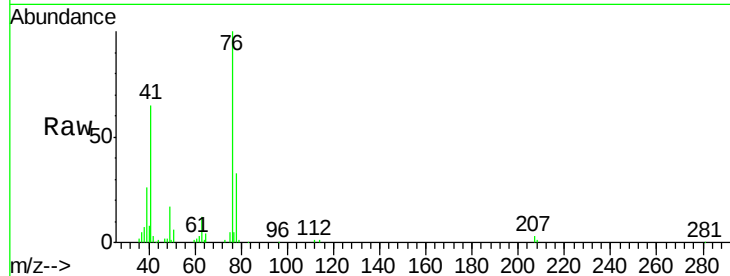
VN0312WBS01

Tgt Ion: 76 Resp: 67831

Ion Ratio Lower Upper

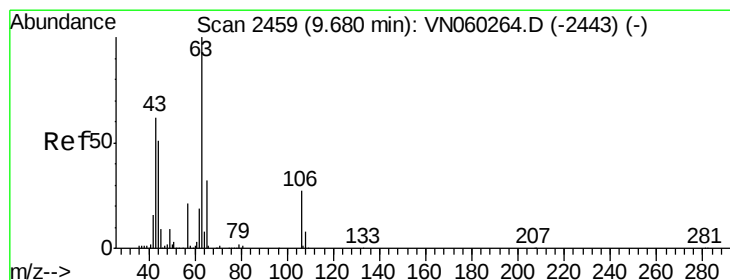
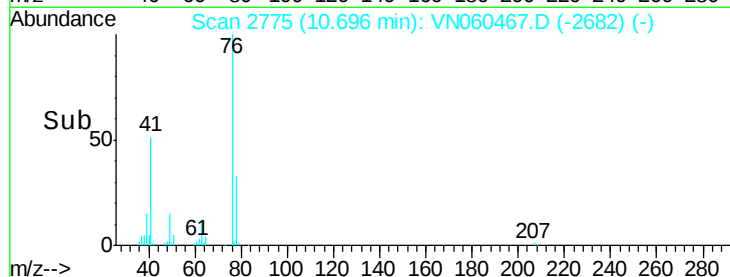
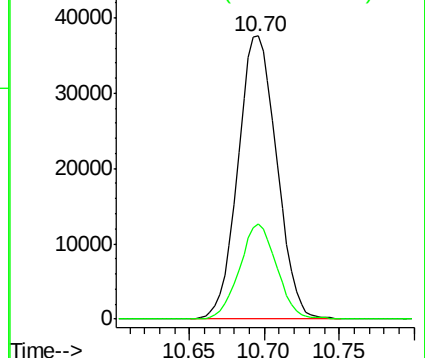
76 100

78 32.1 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 96.17 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060467.D

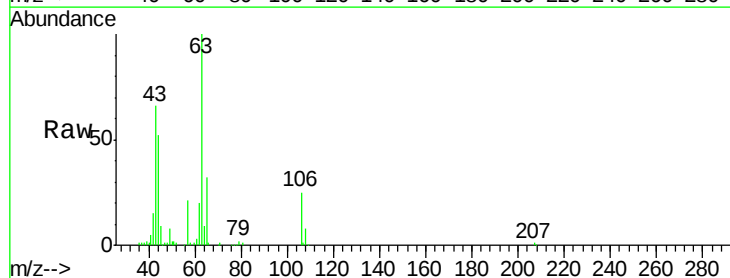
Acq: 12 Mar 2020 10:28

Tgt Ion: 63 Resp: 158632

Ion Ratio Lower Upper

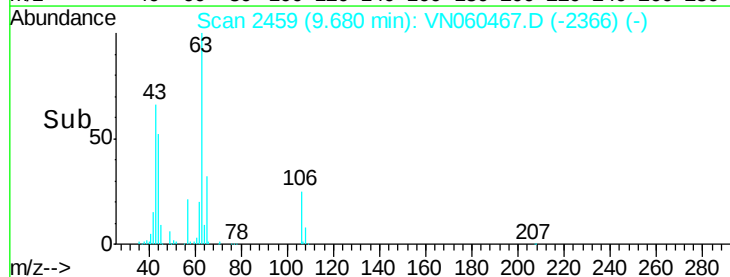
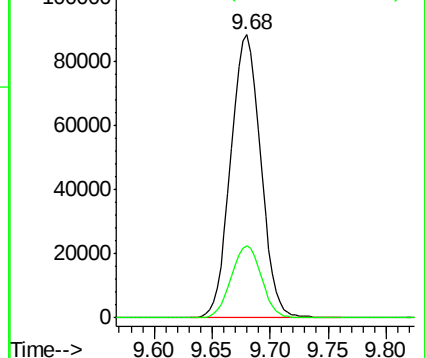
63 100

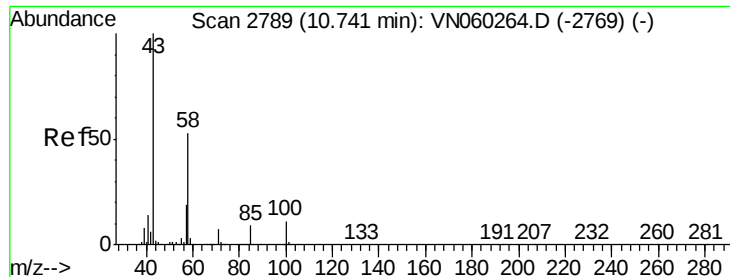
106 25.5 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 95.46 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampled :

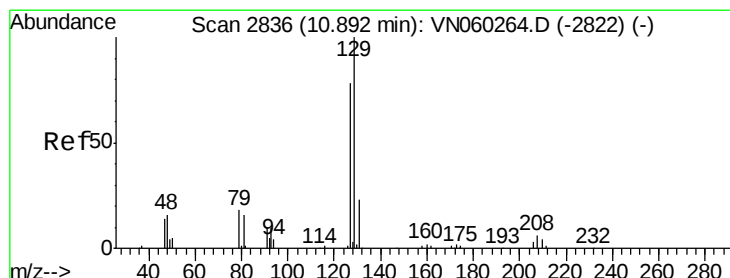
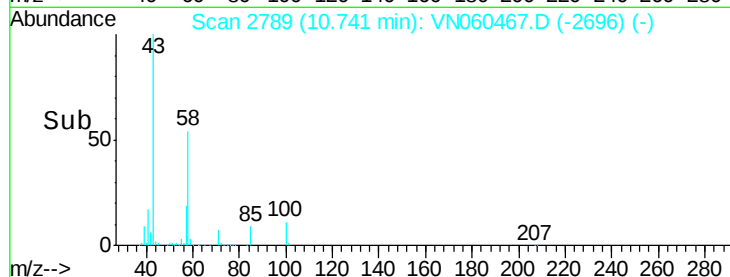
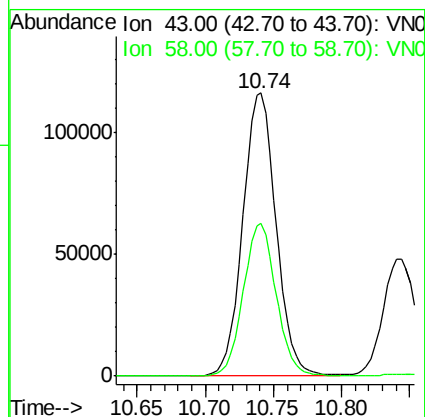
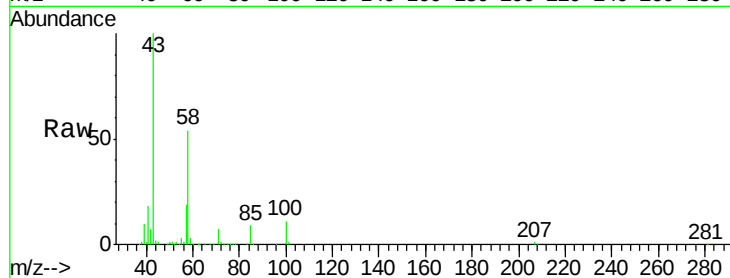
VN0312WBS01

Tgt Ion: 43 Resp: 196672

Ion Ratio Lower Upper

43 100

58 53.3 26.5 79.5



#60

Dibromochloromethane

Concen: 18.74 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060467.D

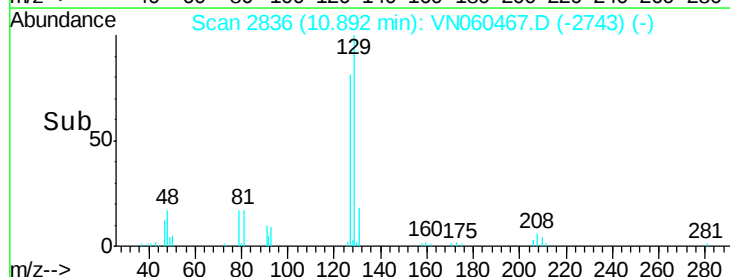
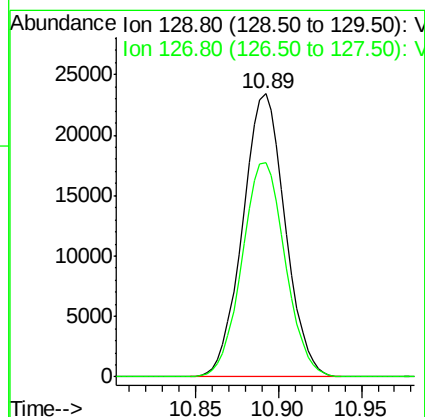
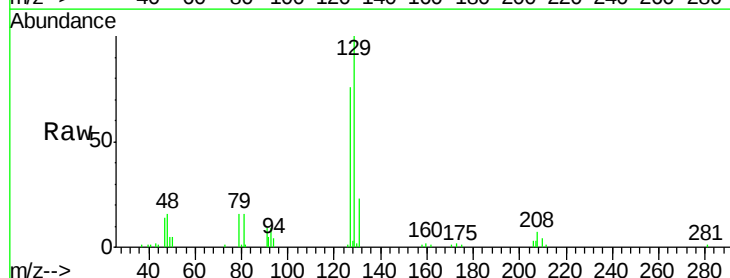
Acq: 12 Mar 2020 10:28

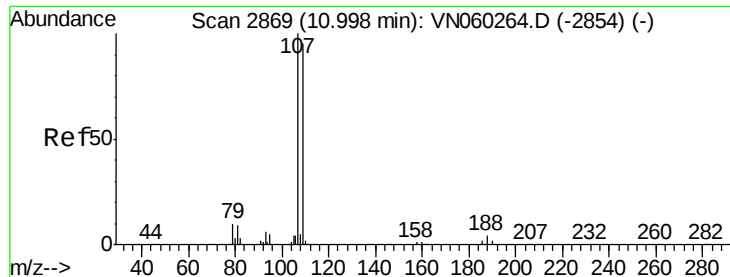
Tgt Ion: 129 Resp: 41841

Ion Ratio Lower Upper

129 100

127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.78 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

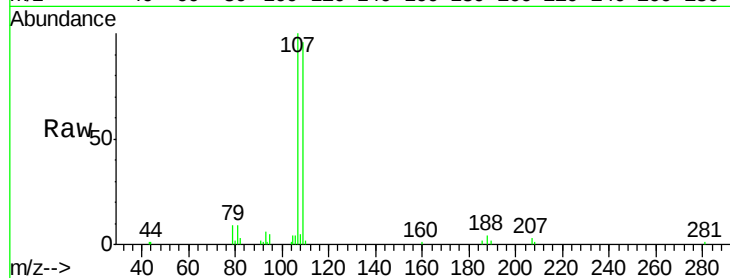
VN0312WBS01

Tgt Ion: 107 Resp: 38051

Ion Ratio Lower Upper

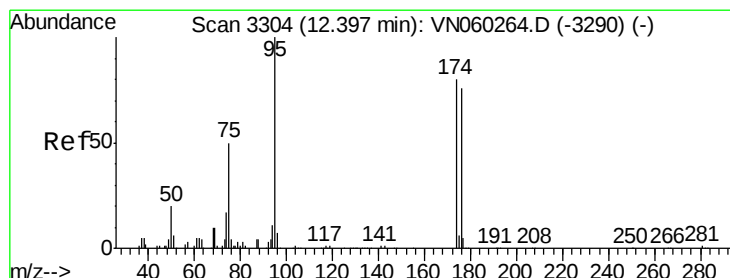
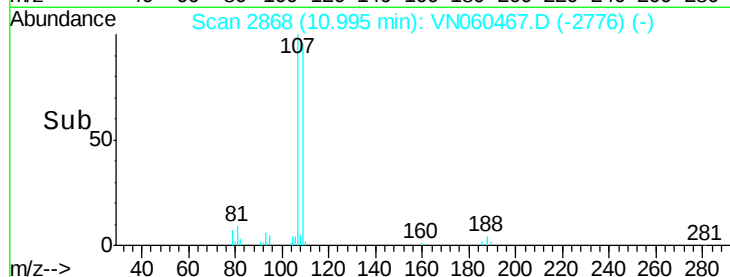
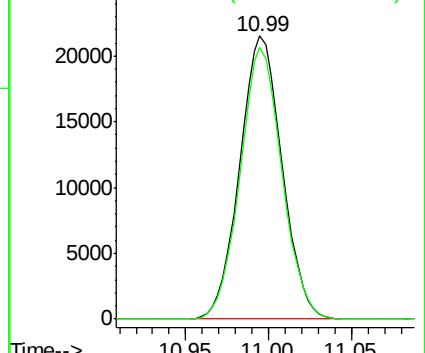
107 100

109 95.0 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.92 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

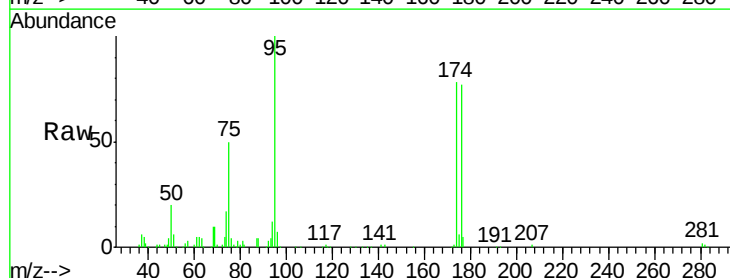
Tgt Ion: 95 Resp: 130891

Ion Ratio Lower Upper

95 100

174 78.1 0.0 159.2

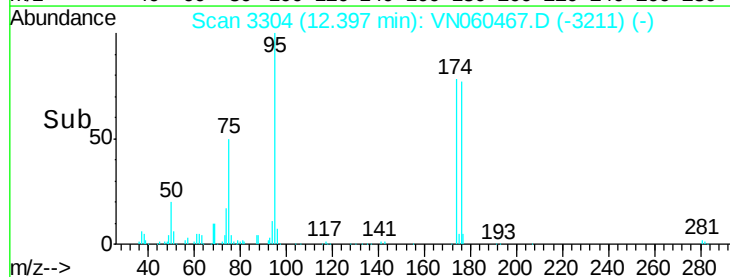
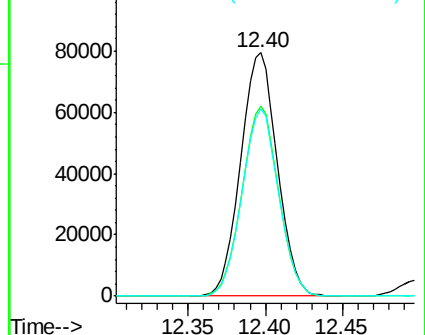
176 76.5 0.0 153.8

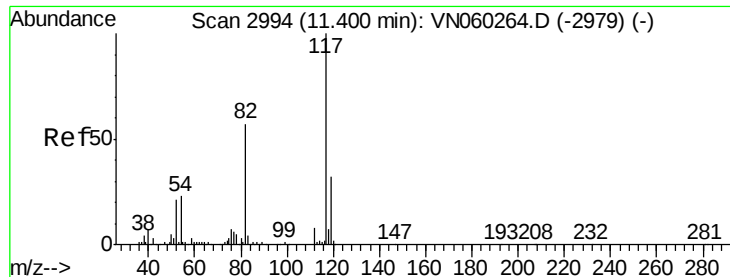


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

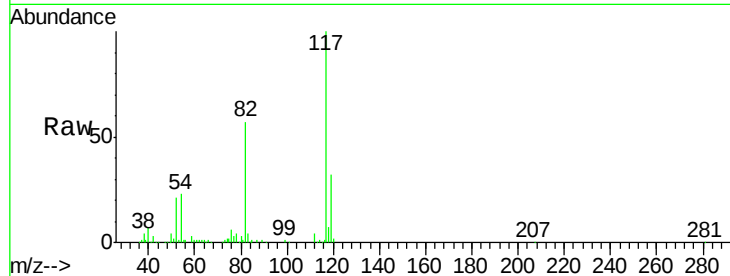




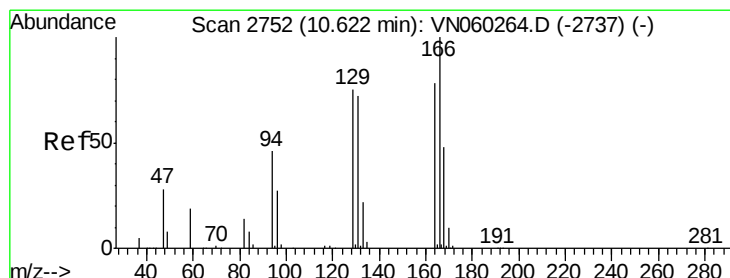
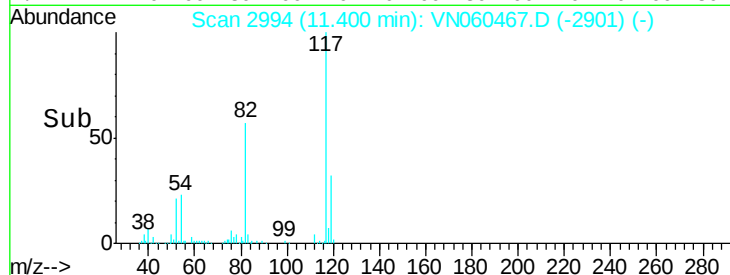
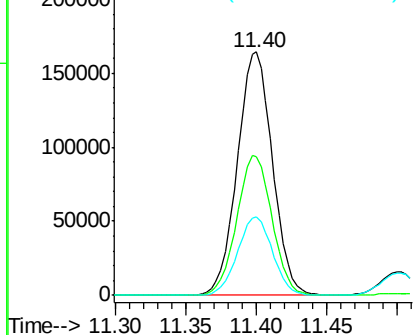
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion:117 Resp: 286912
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.6
119 32.3 25.8 38.8

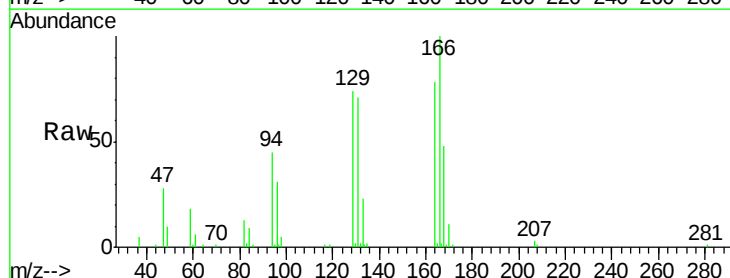


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

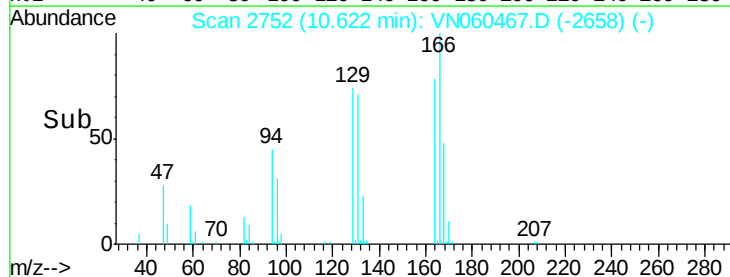
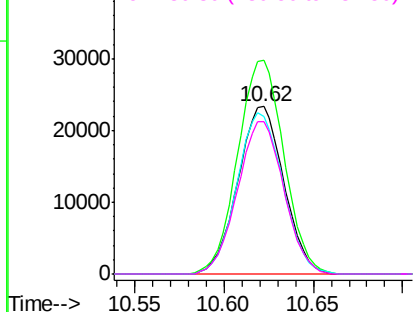


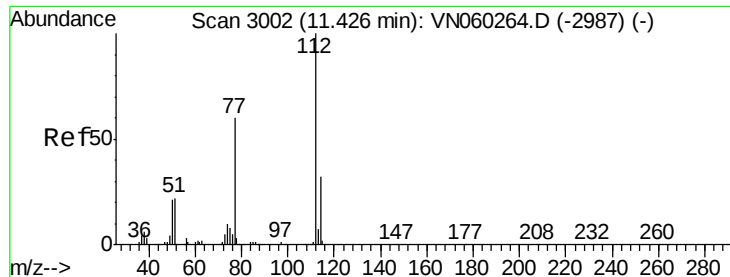
#64
Tetrachloroethene
Concen: 17.65 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion:164 Resp: 41938
Ion Ratio Lower Upper
164 100
166 127.6 102.0 153.0
129 94.1 76.4 114.6
131 91.0 73.6 110.4



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





#65

Chlorobenzene

Concen: 17.54 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

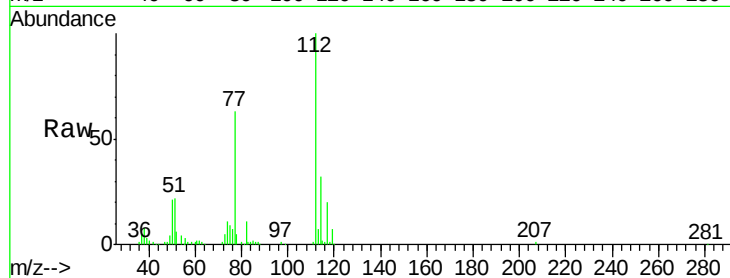
VN0312WBS01

Tgt Ion:112 Resp: 101608

Ion Ratio Lower Upper

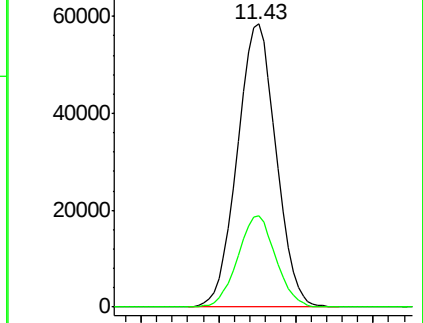
112 100

114 32.4 25.4 38.0

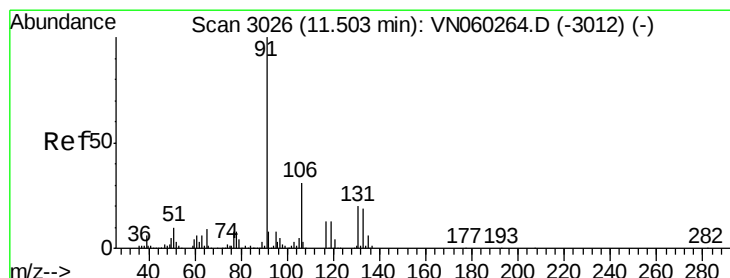
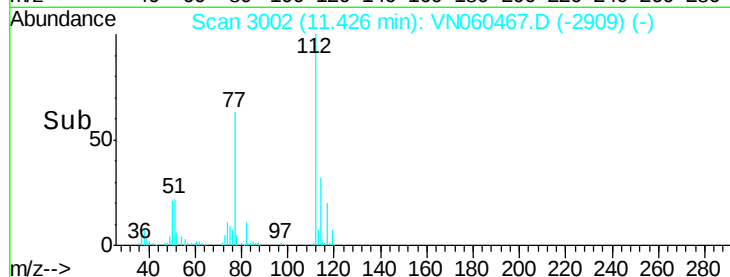


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.45 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

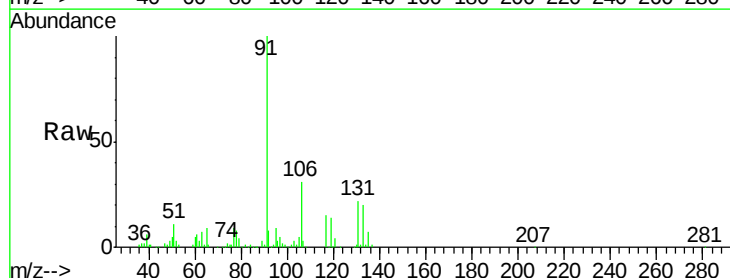
Tgt Ion:131 Resp: 39523

Ion Ratio Lower Upper

131 100

133 94.1 47.7 143.1

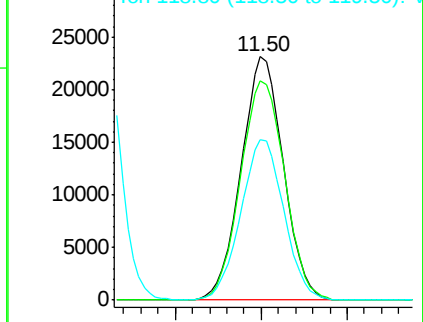
119 67.2 33.2 99.6



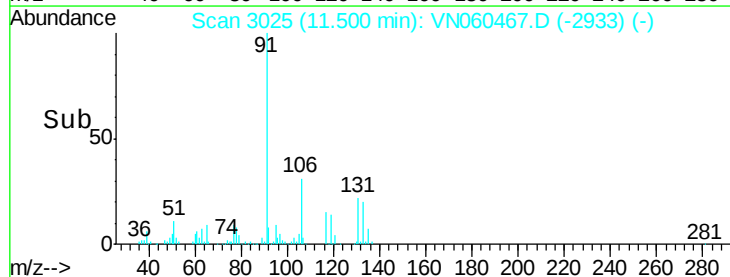
Abundance Ion 130.80 (130.50 to 131.50): V

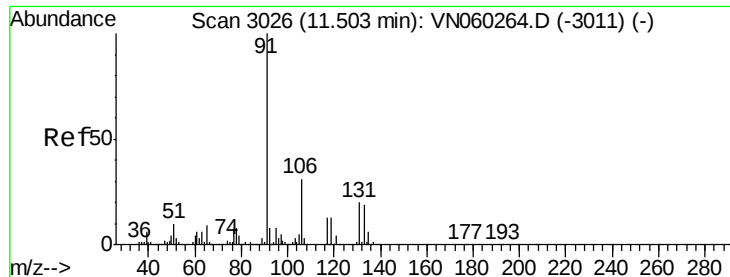
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->

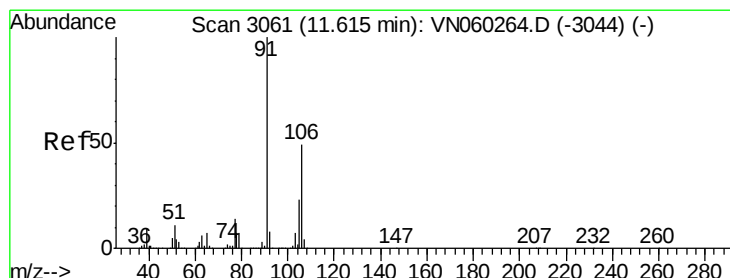
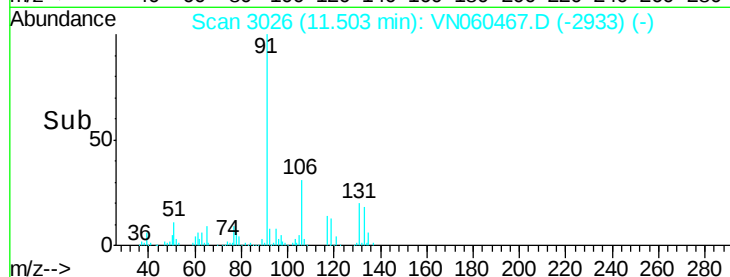
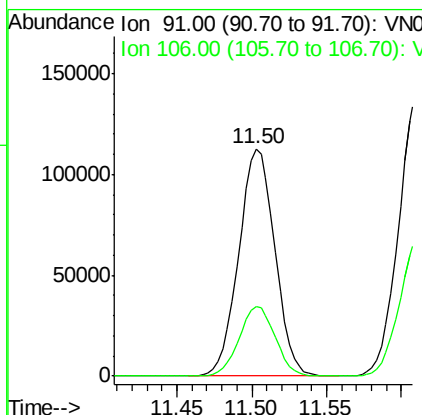
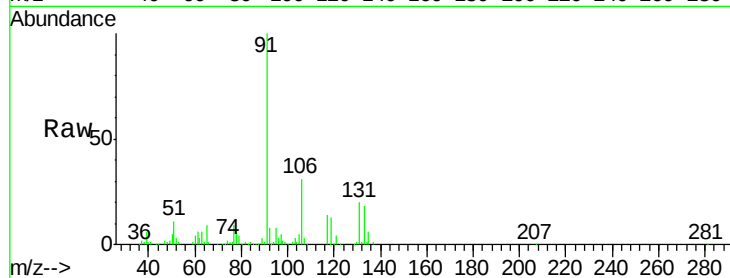




#67
Ethyl Benzene
Concen: 17.92 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

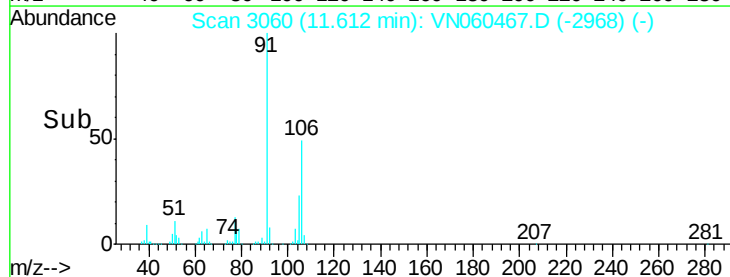
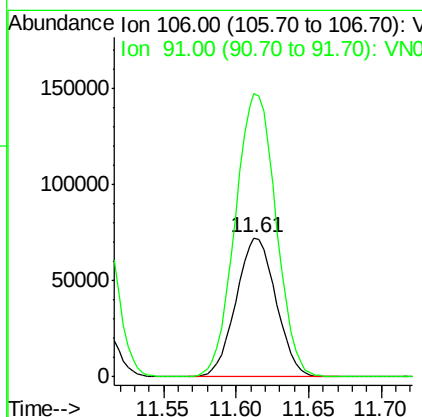
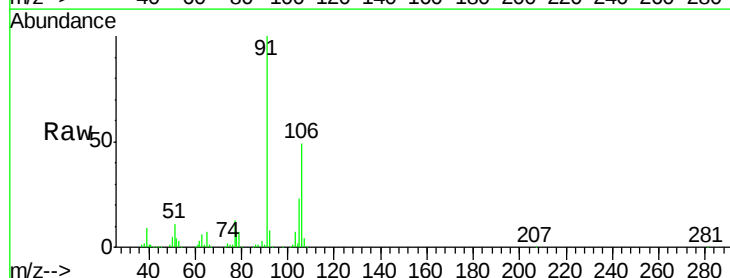
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

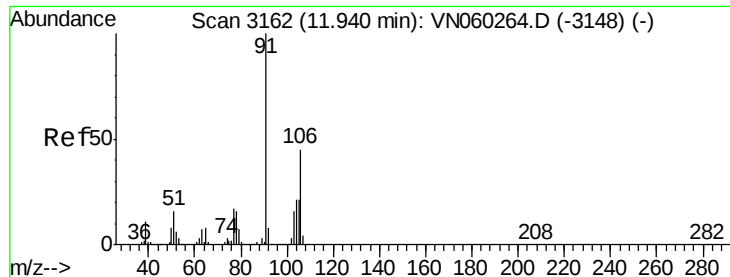
Tgt Ion: 91 Resp: 189113
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 34.71 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 106 Resp: 138184
Ion Ratio Lower Upper
106 100
91 208.2 164.5 246.7

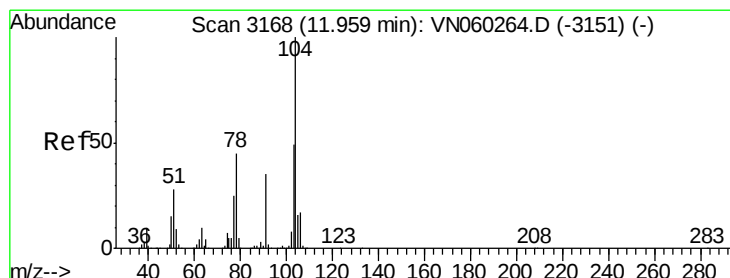
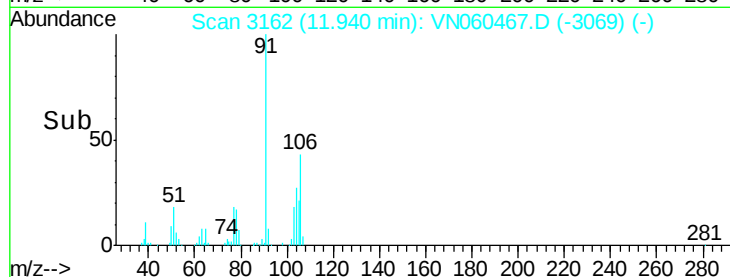
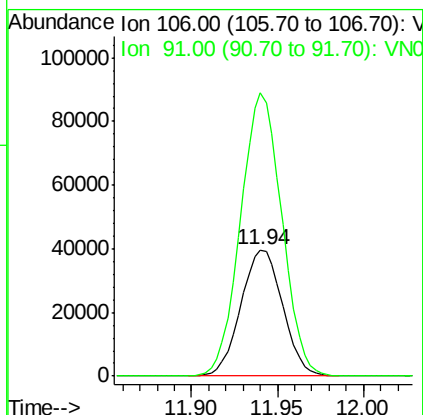
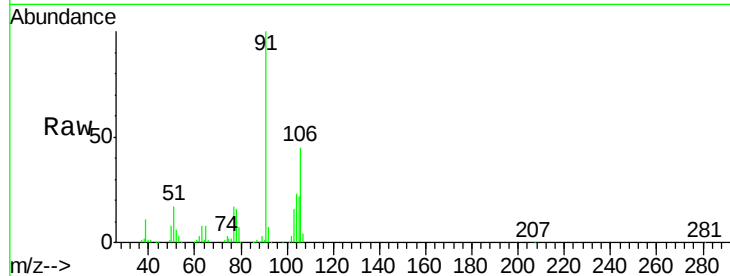




#69
o-Xylene
Concen: 17.67 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

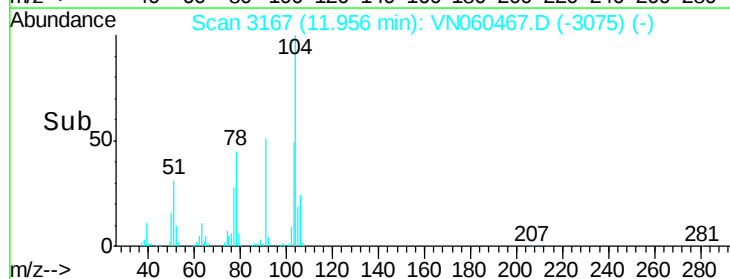
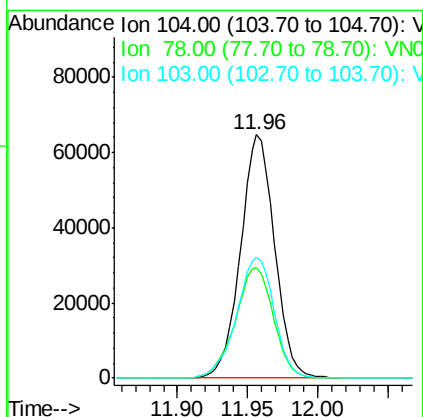
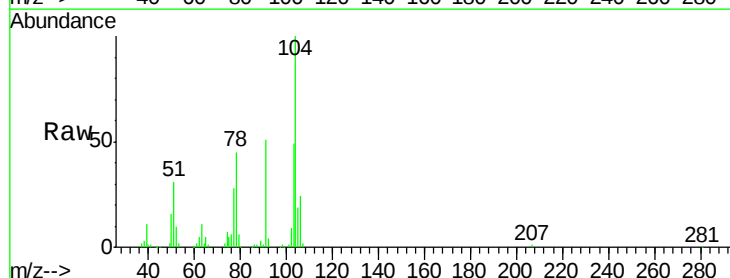
Instrument :
MSVOA_N
ClientSampled :
VN0312WBS01

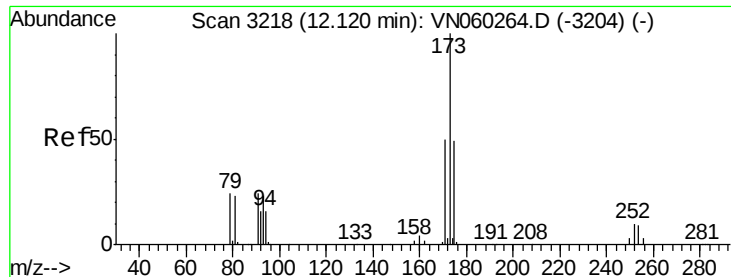
Tgt Ion:106 Resp: 67071
Ion Ratio Lower Upper
106 100
91 221.2 109.5 328.4



#70
Styrene
Concen: 17.57 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion:104 Resp: 109650
Ion Ratio Lower Upper
104 100
78 50.9 41.2 61.8
103 54.6 43.9 65.9





#71

Bromoform

Concen: 18.71 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

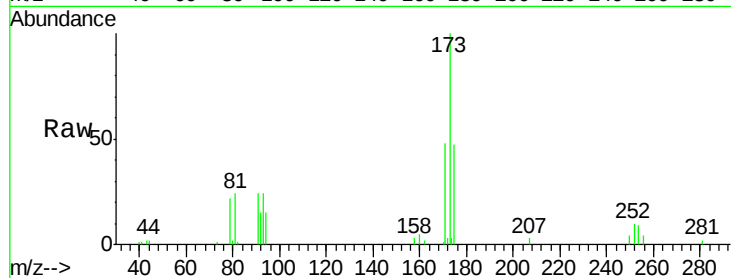
Tgt Ion:173 Resp: 28881

Ion Ratio Lower Upper

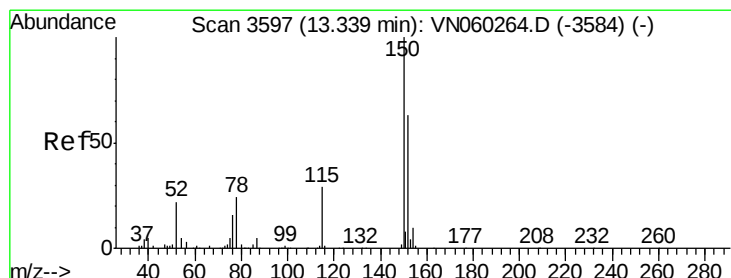
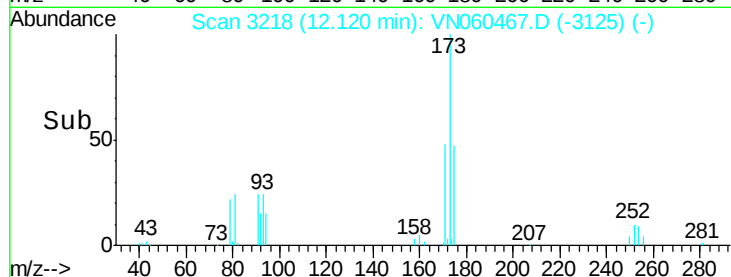
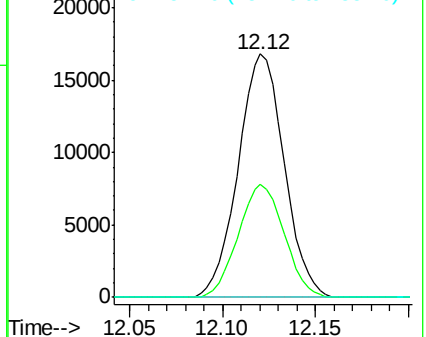
173 100

175 46.2 24.1 72.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

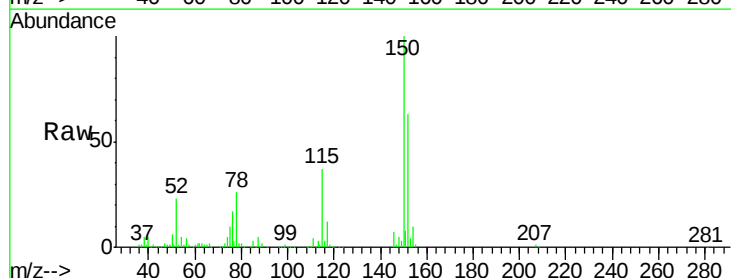
Tgt Ion:152 Resp: 138055

Ion Ratio Lower Upper

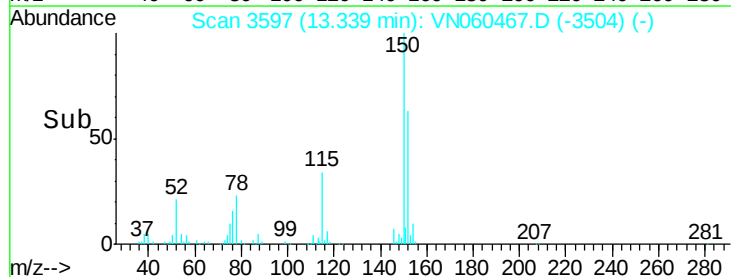
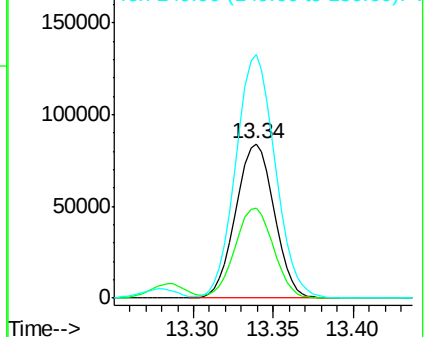
152 100

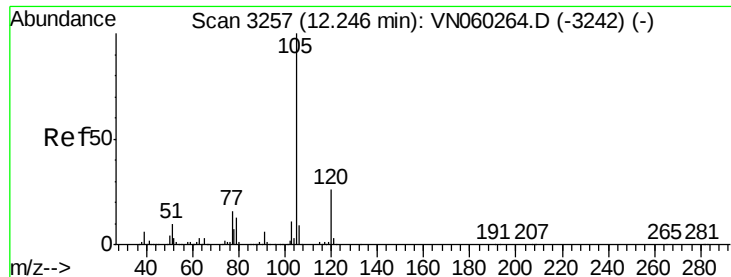
115 58.0 30.0 90.0

150 161.8 0.0 349.6



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





#73

Isopropylbenzene

Concen: 18.16 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

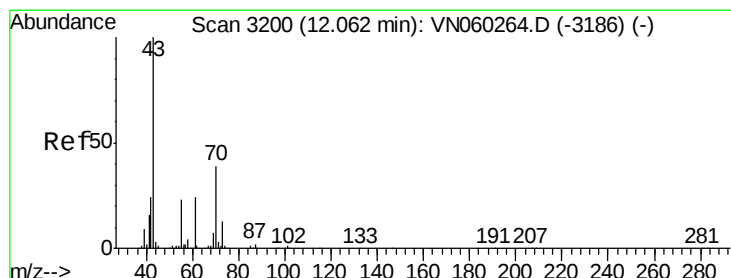
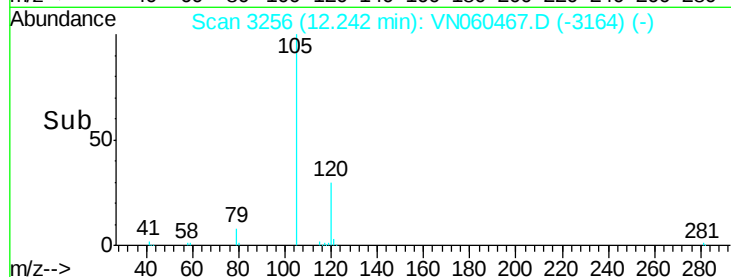
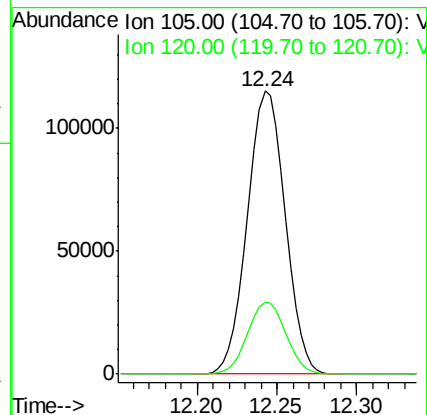
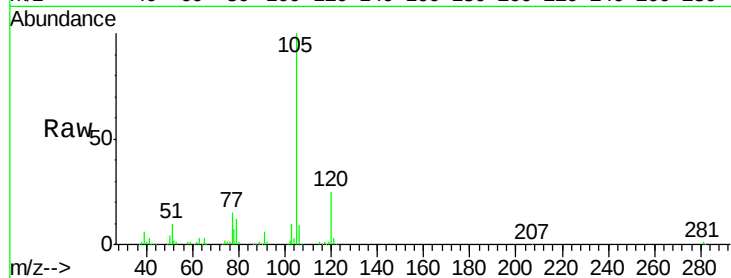
VN0312WBS01

Tgt Ion: 105 Resp: 185818

Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9



#74

N-ethyl acetate

Concen: 18.19 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Tgt Ion: 43 Resp: 81342

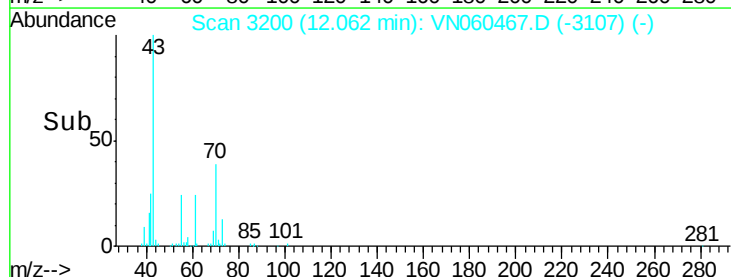
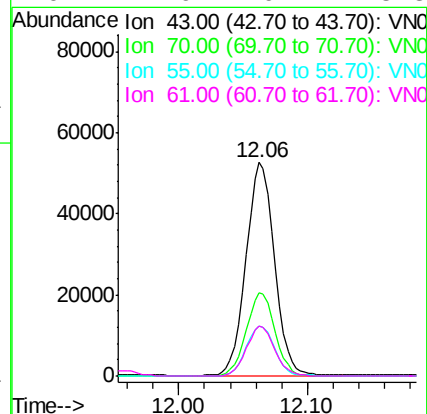
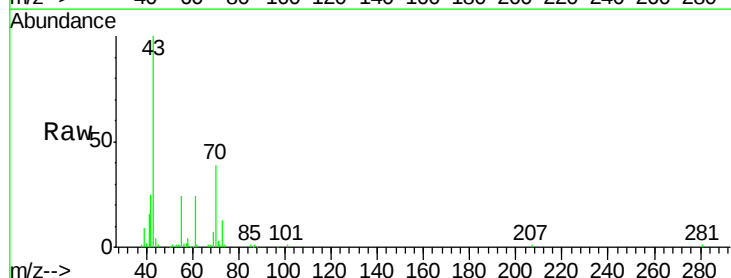
Ion Ratio Lower Upper

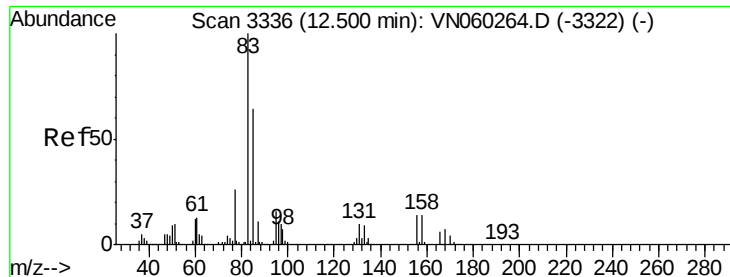
43 100

70 38.9 32.2 48.2

55 23.6 18.2 27.4

61 22.9 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

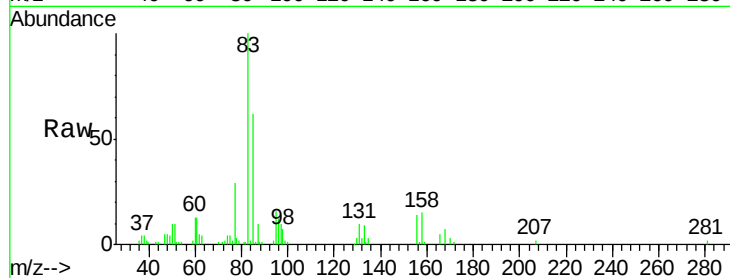
Tgt Ion: 83 Resp: 55139

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

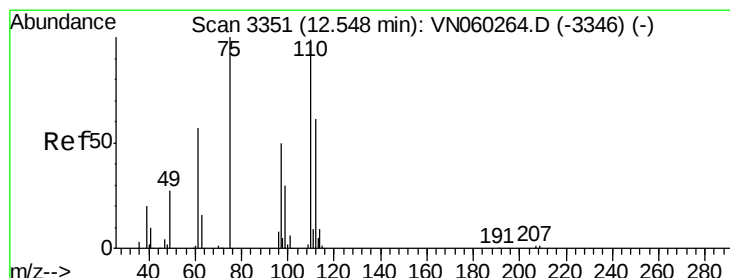
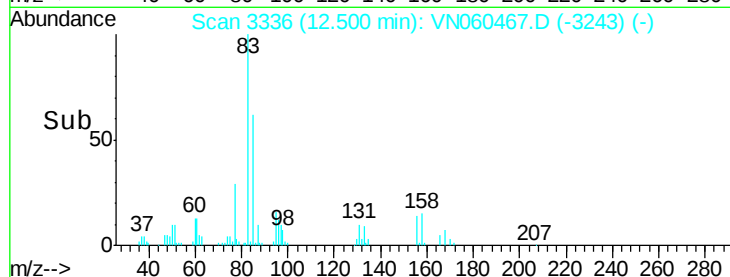
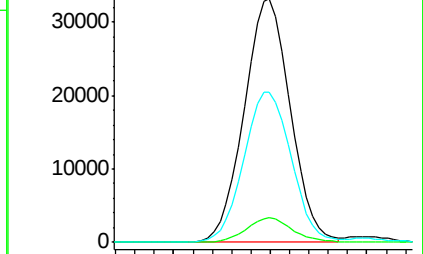
85 63.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060467.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060467.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060467.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 25.07 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060467.D

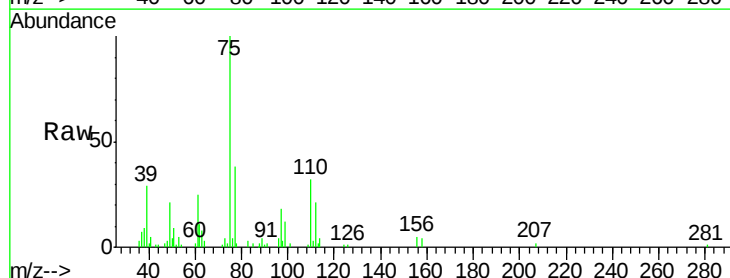
Acq: 12 Mar 2020 10:28

Tgt Ion: 75 Resp: 75929

Ion Ratio Lower Upper

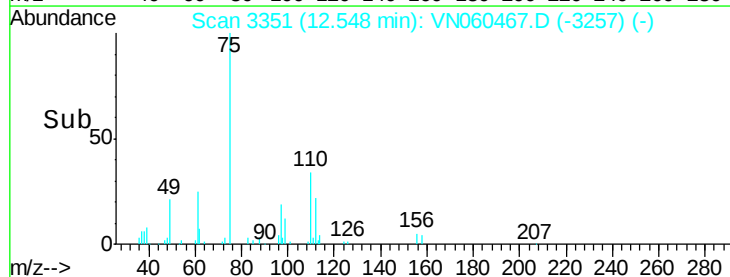
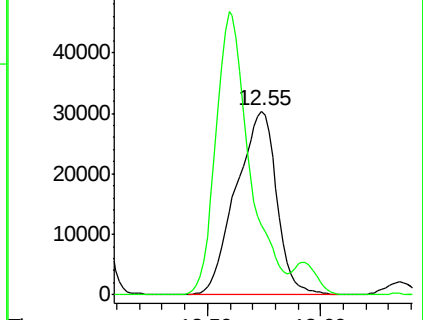
75 100

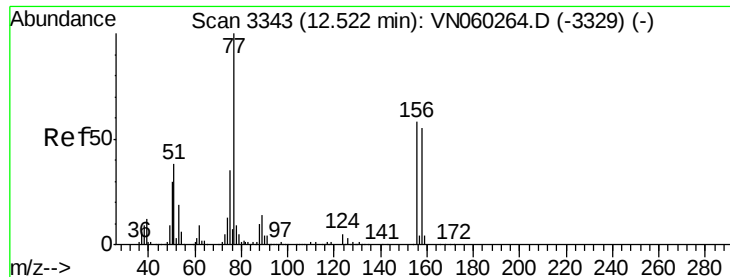
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060467.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060467.D (-3346) (-)

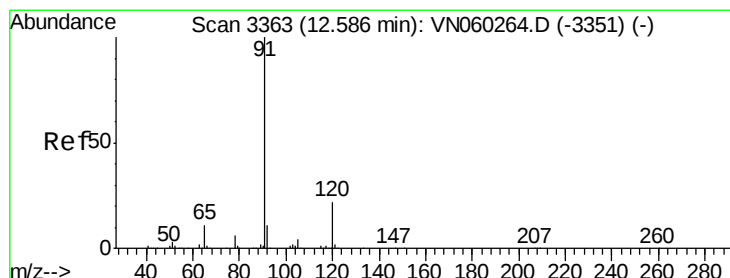
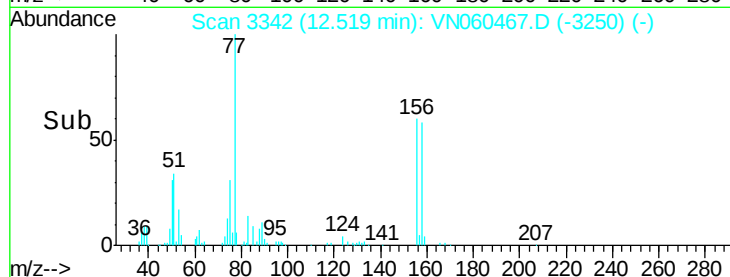
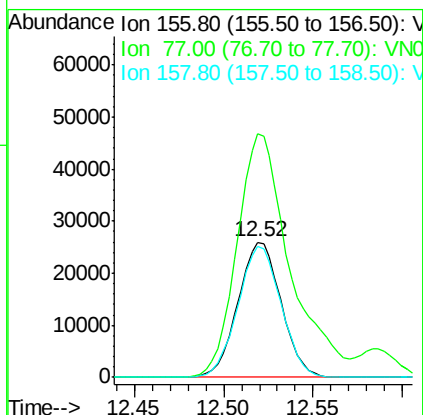
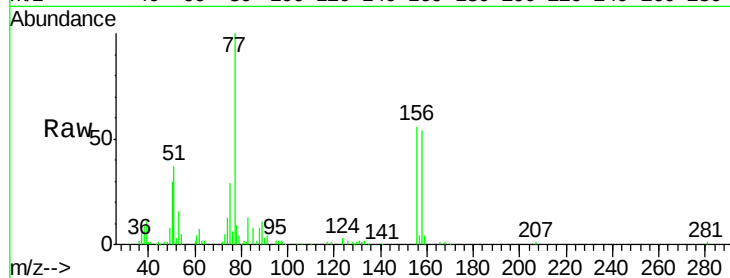




#77
Bromobenzene
Concen: 17.47 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

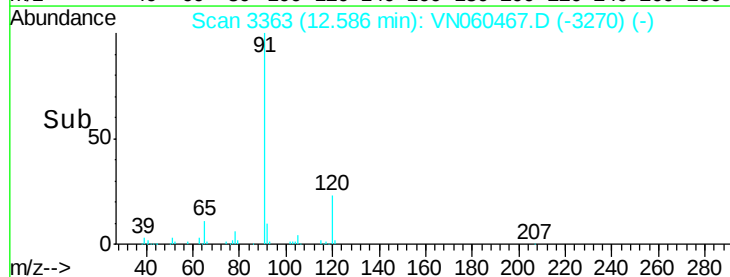
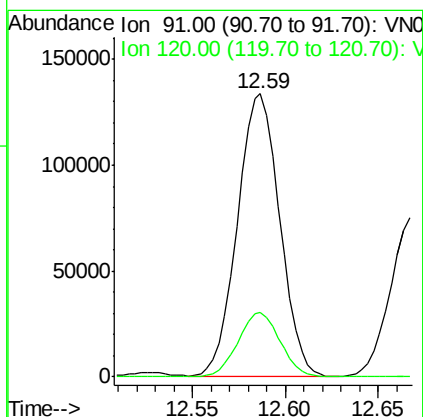
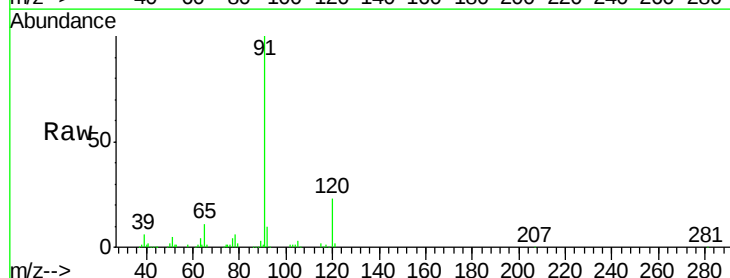
Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

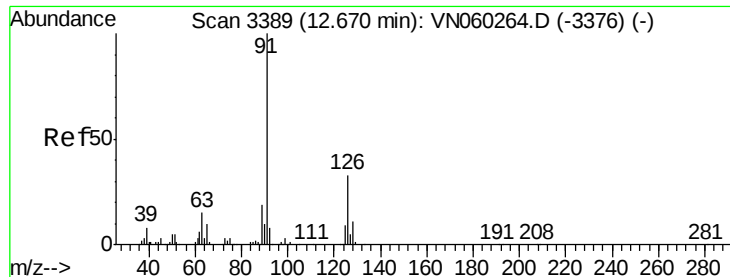
Tgt Ion:156 Resp: 43816
Ion Ratio Lower Upper
156 100
77 221.0 106.1 318.3
158 97.2 48.3 144.8



#78
n-propylbenzene
Concen: 17.64 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion: 91 Resp: 211554
Ion Ratio Lower Upper
91 100
120 22.8 11.3 33.9





#79

2-Chlorotoluene

Concen: 17.91 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

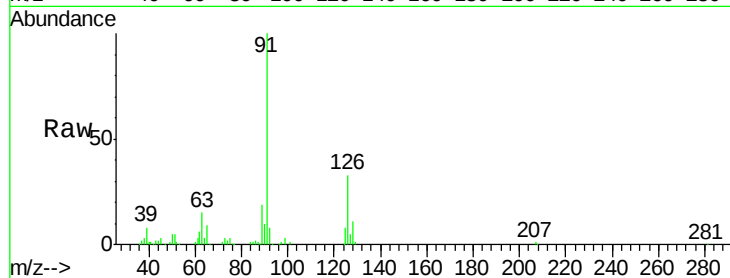
VN0312WBS01

Tgt Ion: 91 Resp: 126272

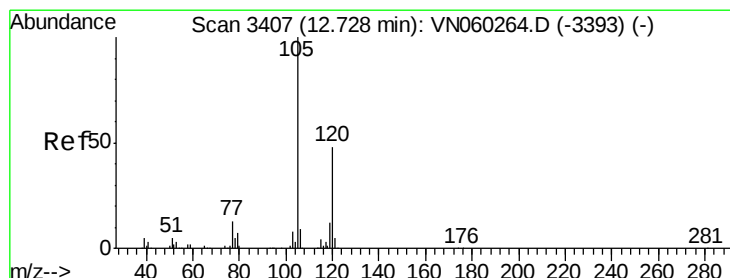
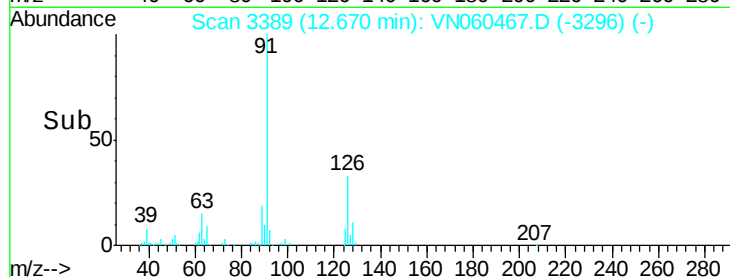
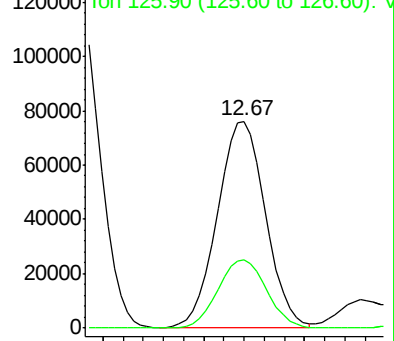
Ion Ratio Lower Upper

91 100

126 33.6 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060467.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.93 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060467.D

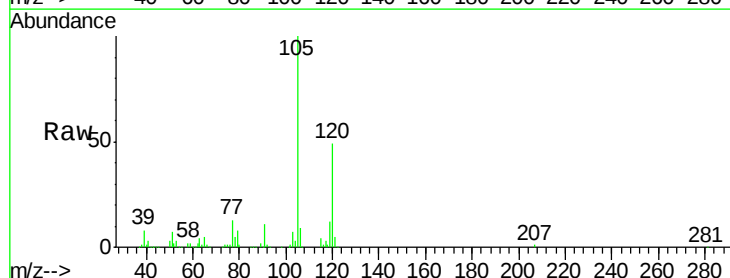
Acq: 12 Mar 2020 10:28

Tgt Ion: 105 Resp: 154469

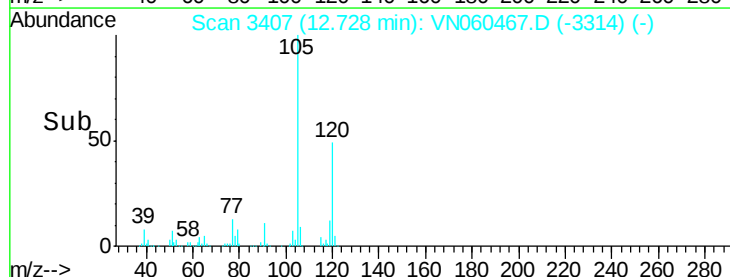
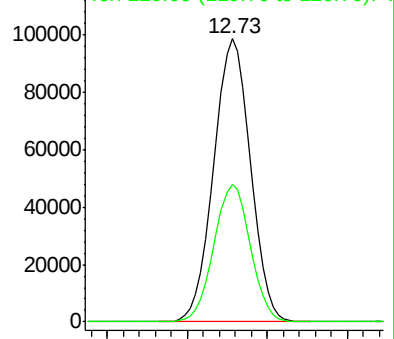
Ion Ratio Lower Upper

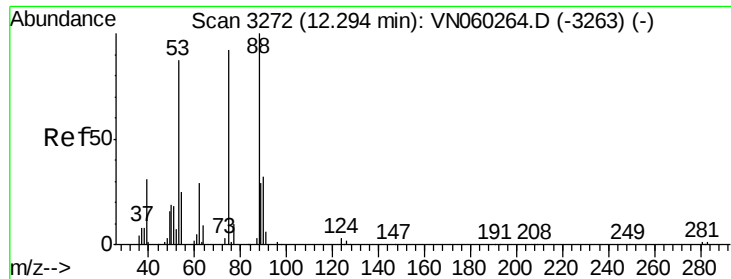
105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060467.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.48 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

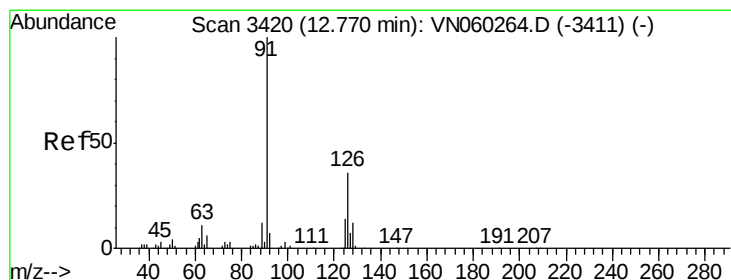
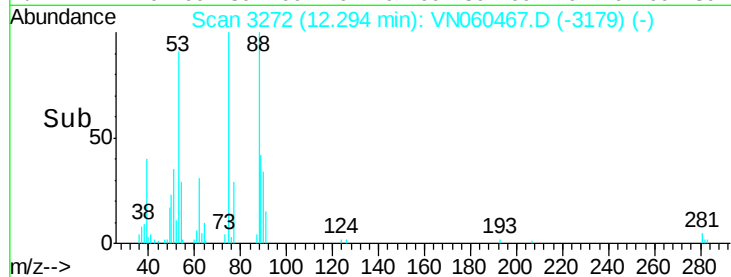
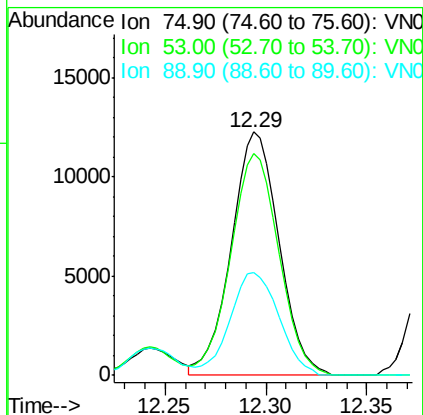
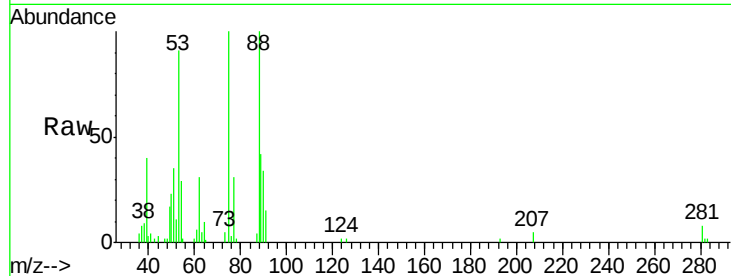
Tgt Ion: 75 Resp: 20273

Ion Ratio Lower Upper

75 100

53 92.6 73.8 110.6

89 43.5 57.1 85.7#



#82

4-Chlorotoluene

Concen: 17.35 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060467.D

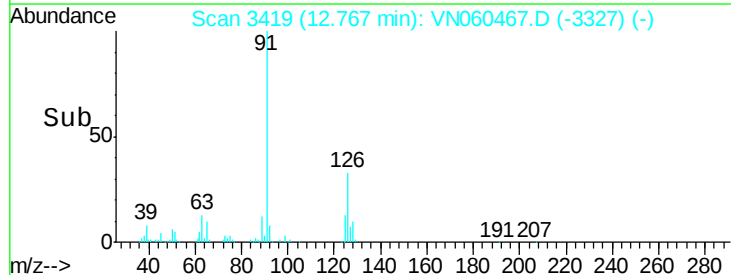
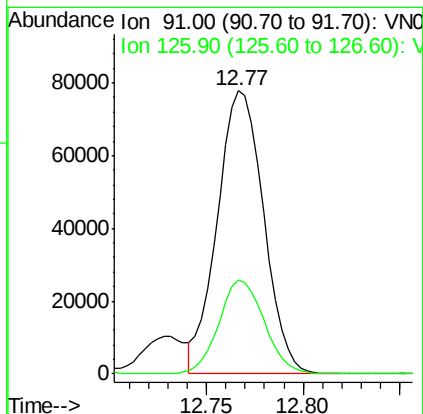
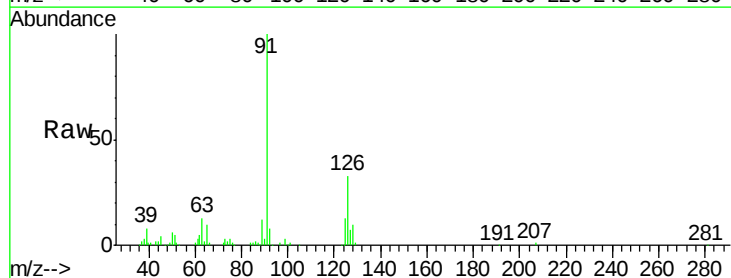
Acq: 12 Mar 2020 10:28

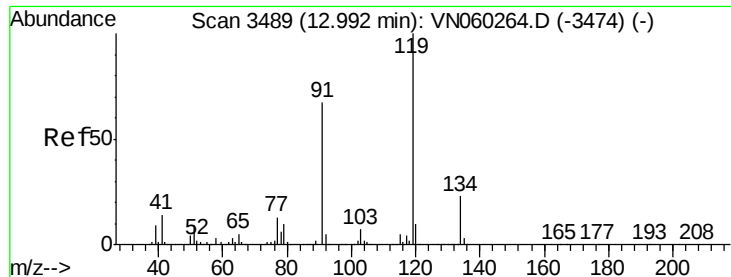
Tgt Ion: 91 Resp: 128915

Ion Ratio Lower Upper

91 100

126 32.6 16.7 50.1

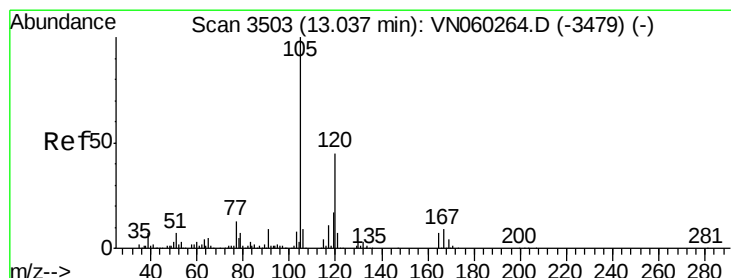
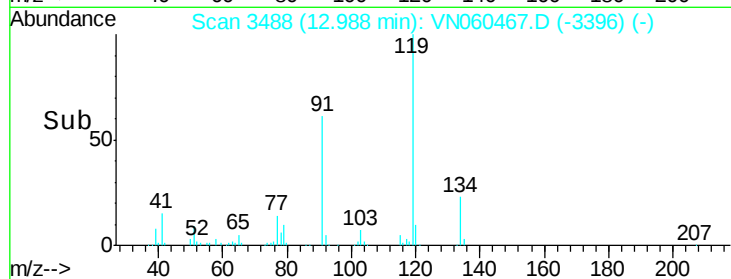
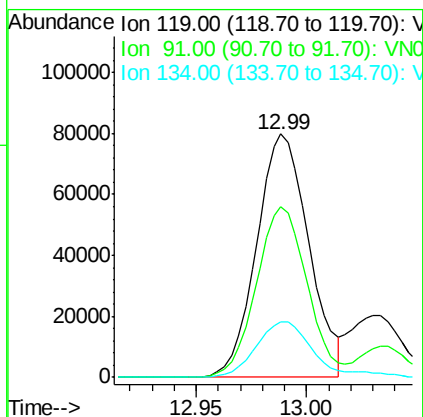
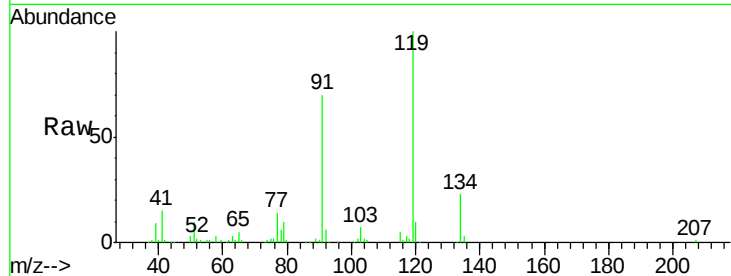




#83
 tert-Butylbenzene
 Concen: 17.59 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

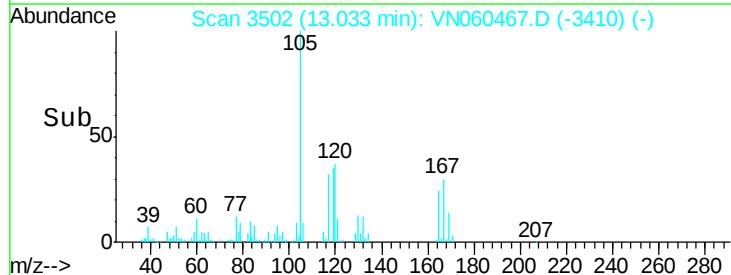
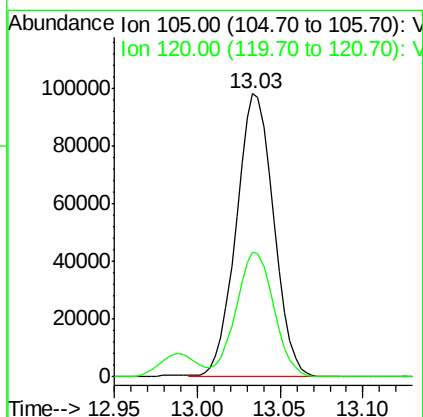
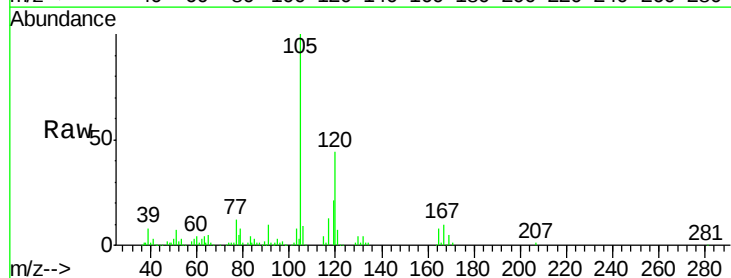
Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBS01

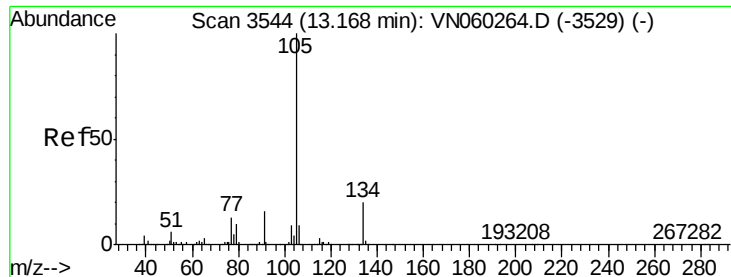
Tgt Ion:119 Resp: 131200
 Ion Ratio Lower Upper
 119 100
 91 68.4 33.1 99.2
 134 25.1 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 17.75 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion:105 Resp: 154374
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.3 66.9

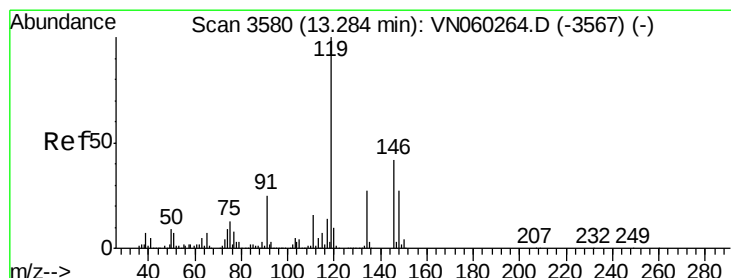
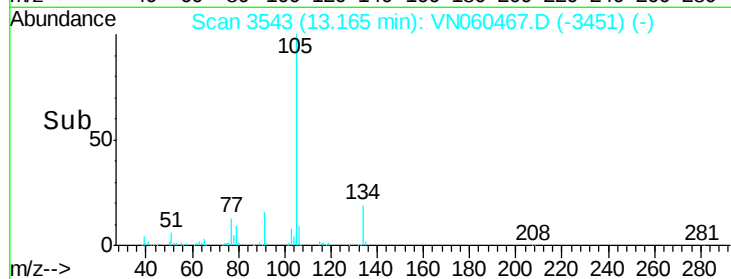
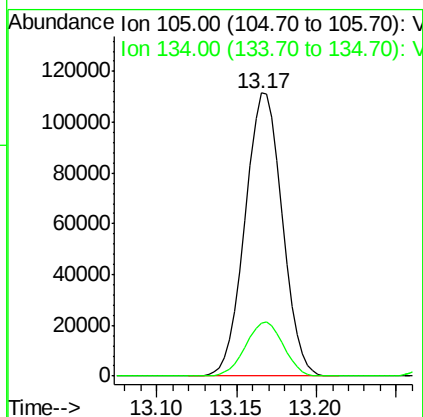
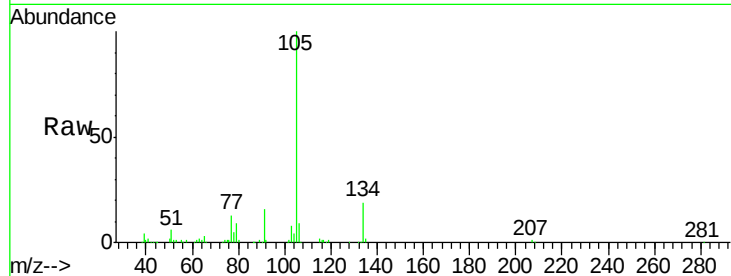




#85
 sec-Butylbenzene
 Concen: 17.72 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

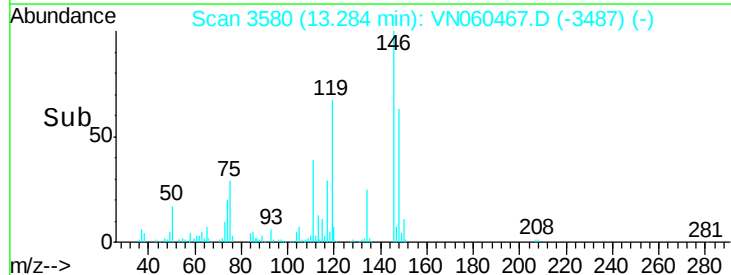
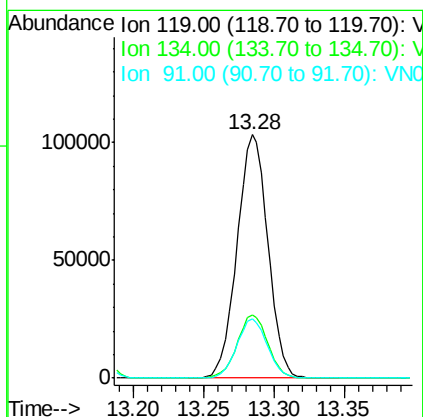
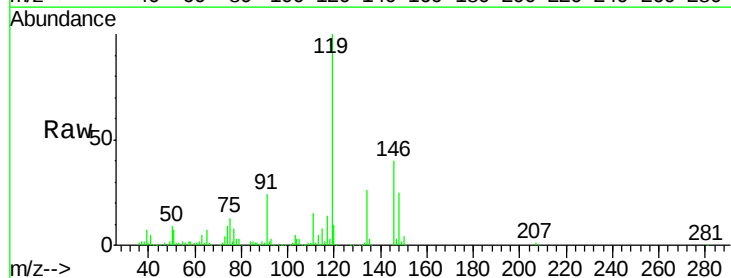
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

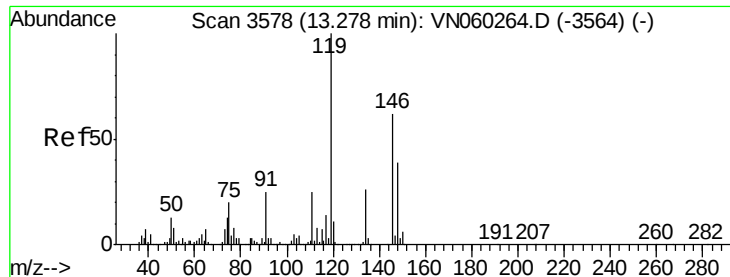
Tgt Ion:105 Resp: 177046
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 17.10 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion:119 Resp: 158100
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.6
 91 24.1 12.2 36.6

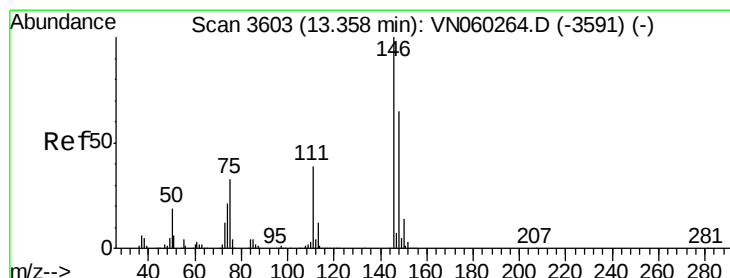
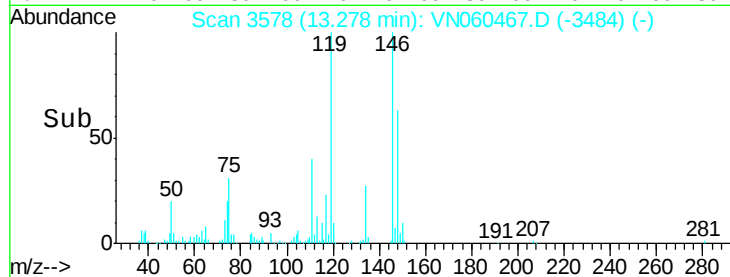
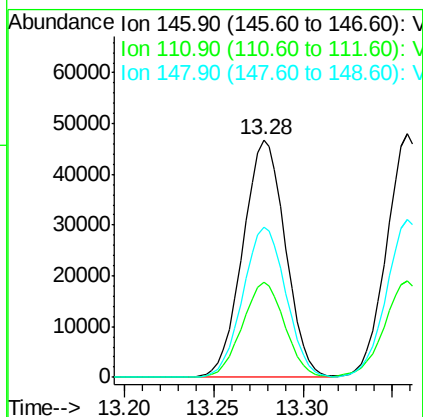
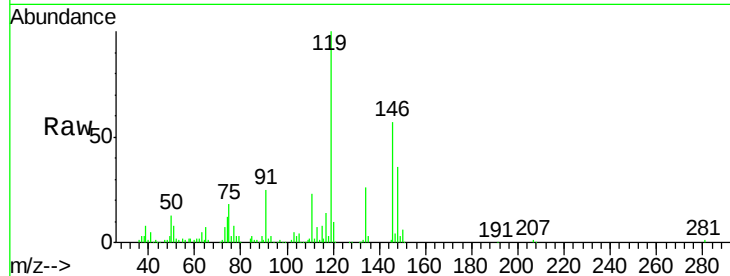




#87
 1,3-Dichlorobenzene
 Concen: 18.01 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

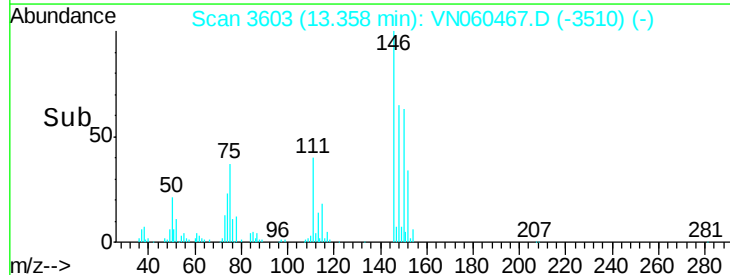
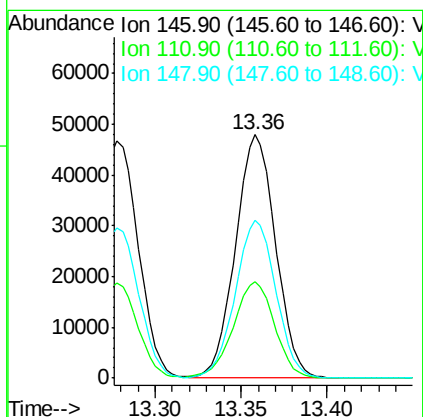
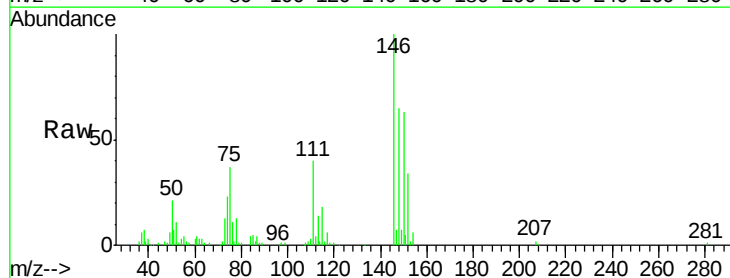
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

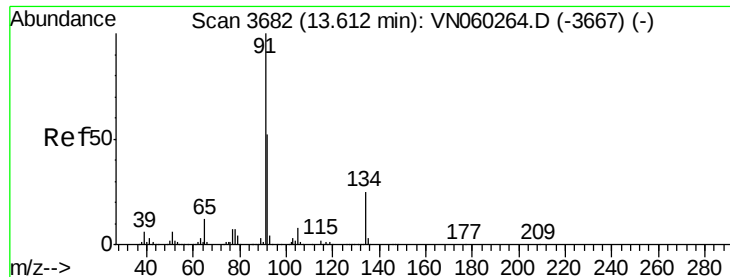
Tgt Ion:146 Resp: 78152
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 59.9
 148 64.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 17.89 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion:146 Resp: 77633
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.8 59.4
 148 65.5 32.3 96.9





#89

n-Butylbenzene

Concen: 16.63 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060467.D

Acq: 12 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBS01

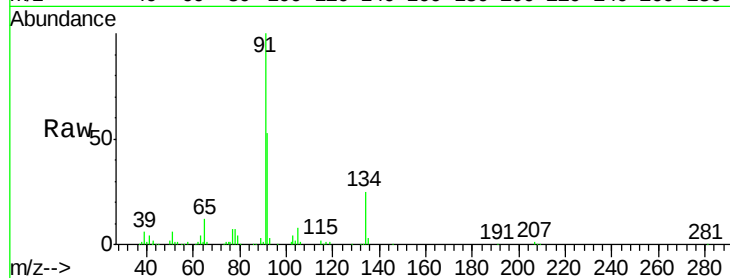
Tgt Ion: 91 Resp: 141167

Ion Ratio Lower Upper

91 100

92 52.6 26.0 78.0

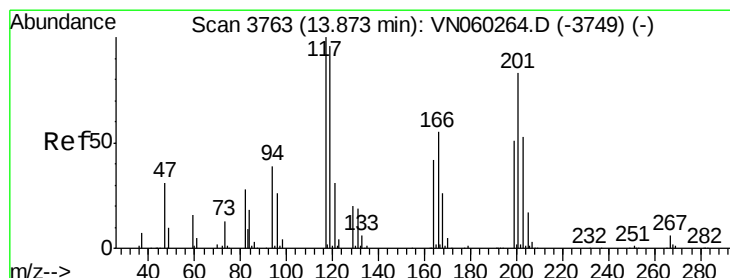
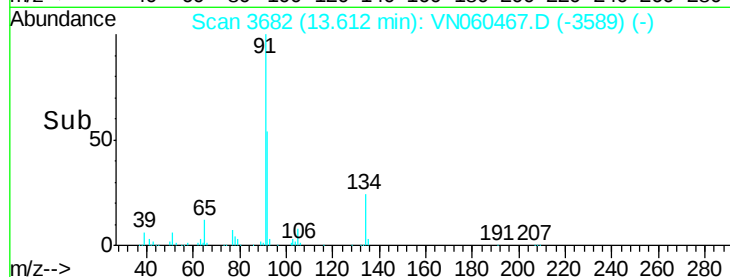
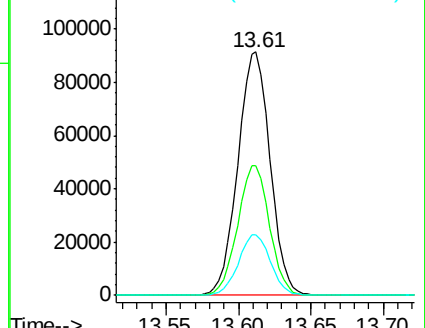
134 24.7 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN060467.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060467.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060467.D (-3667) (-)



#90

Hexachloroethane

Concen: 16.34 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060467.D

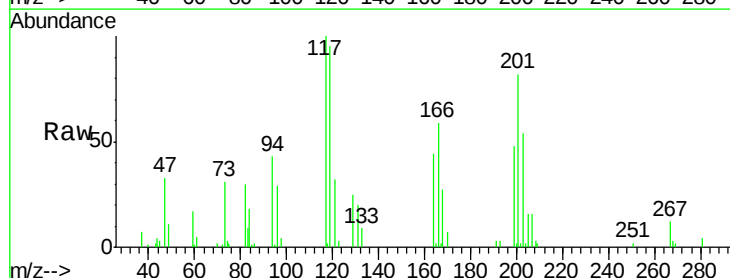
Acq: 12 Mar 2020 10:28

Tgt Ion: 117 Resp: 21864

Ion Ratio Lower Upper

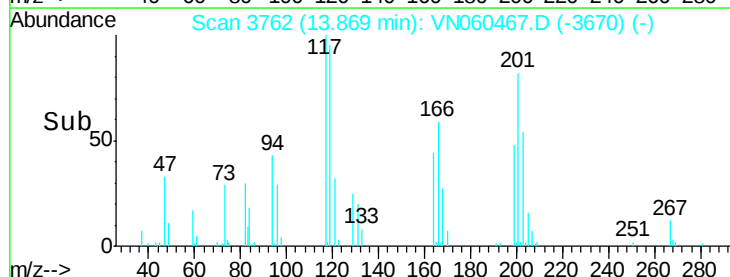
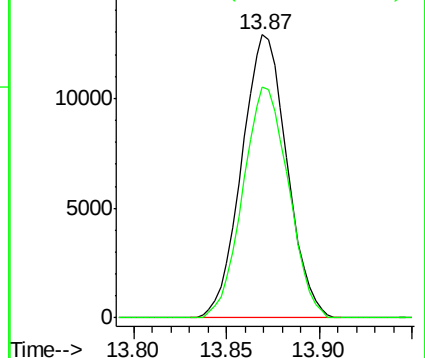
117 100

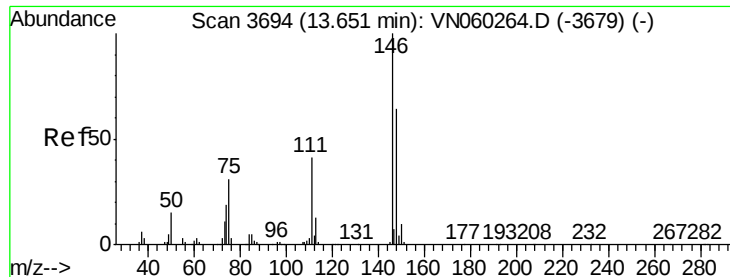
201 82.0 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060467.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060467.D (-3749) (-)

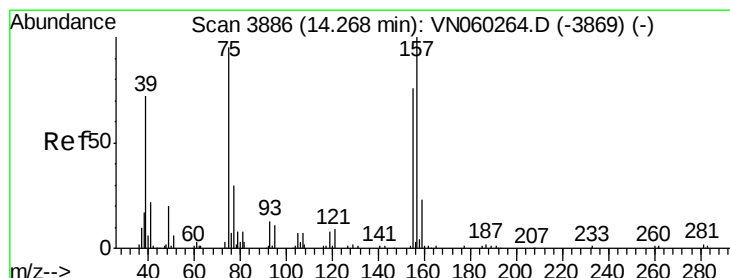
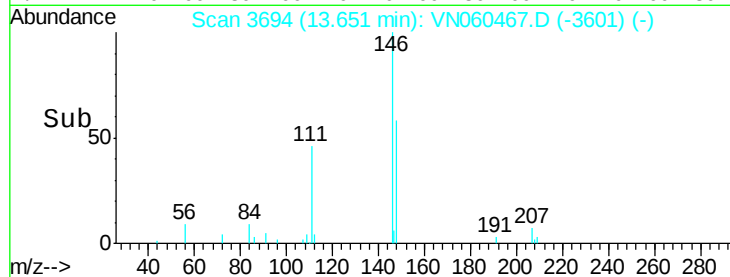
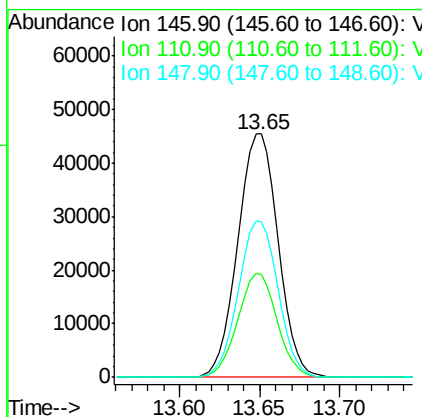
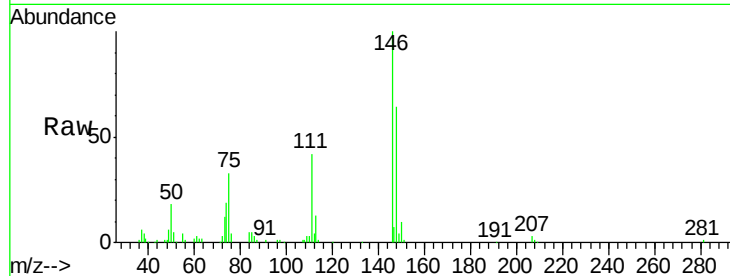




#91
 1,2-Dichlorobenzene
 Concen: 17.75 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

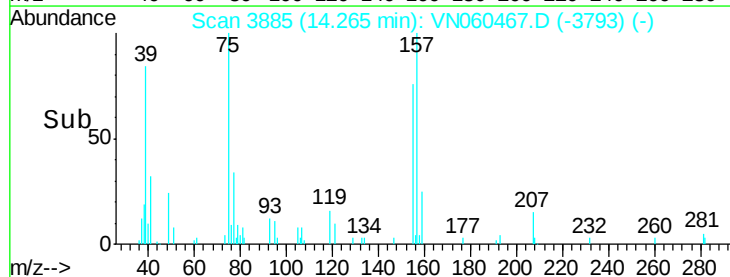
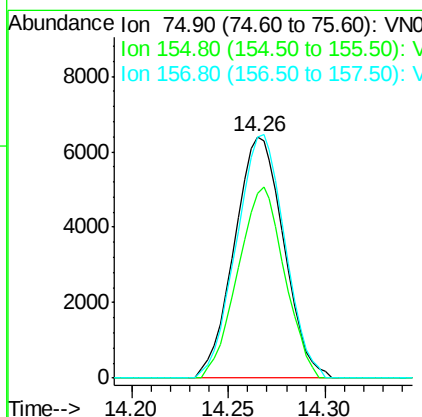
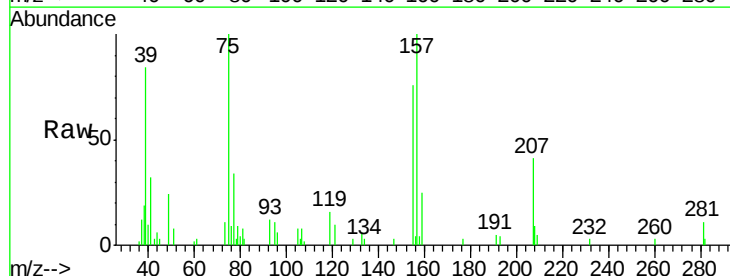
Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBS01

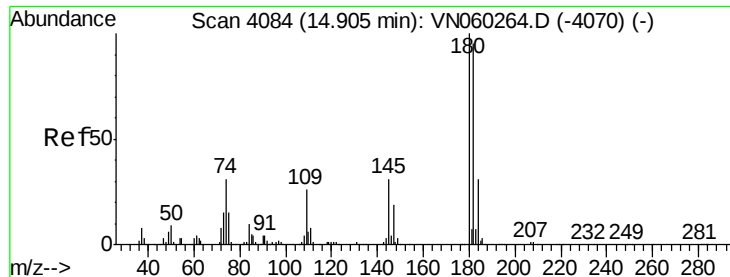
Tgt Ion: 146 Resp: 78023
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.3 61.0
 148 63.2 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.02 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion: 75 Resp: 11352
 Ion Ratio Lower Upper
 75 100
 155 74.8 40.4 121.2
 157 99.2 52.5 157.5

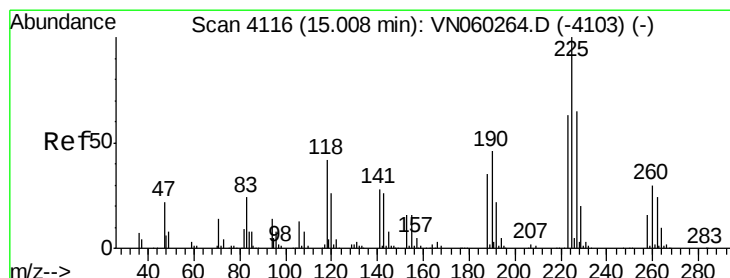
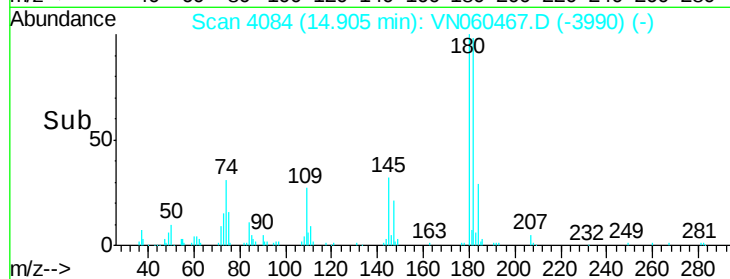
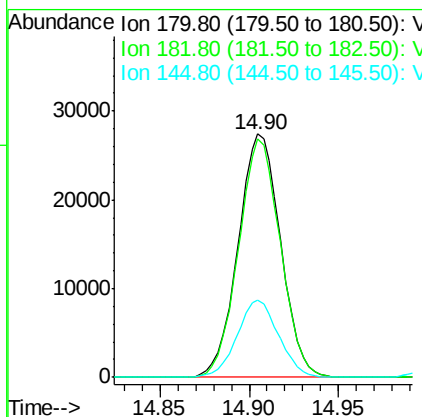
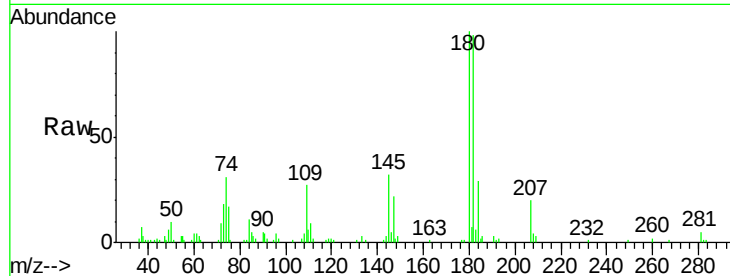




#93
 1,2,4-Trichlorobenzene
 Concen: 16.36 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

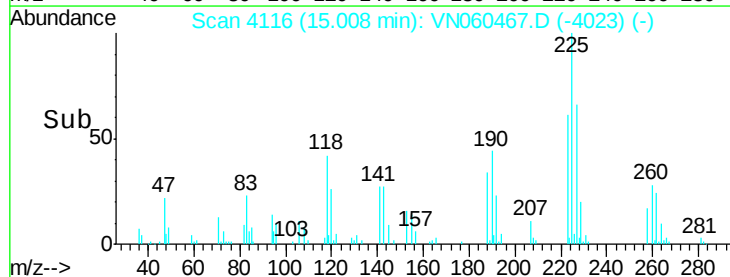
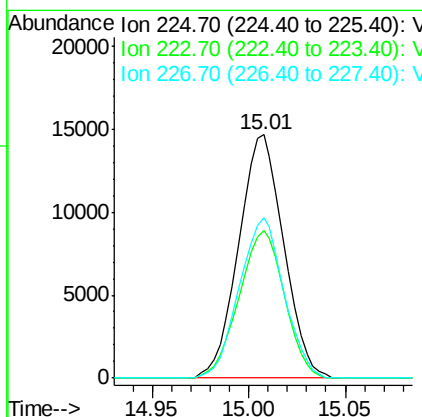
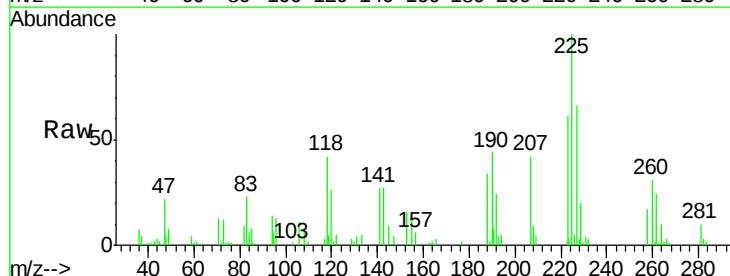
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

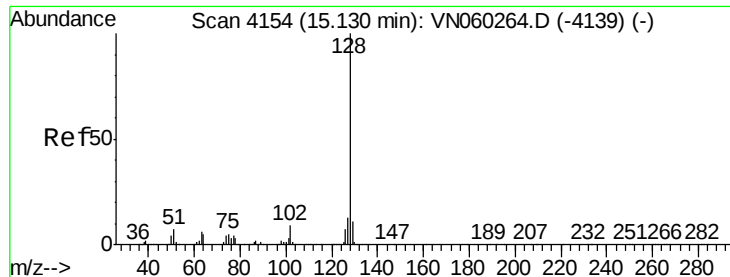
Tgt Ion:180 Resp: 45523
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.8 143.3
 145 31.1 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 18.12 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060467.D
 Acq: 12 Mar 2020 10:28

Tgt Ion:225 Resp: 23729
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.3 93.9
 227 65.3 32.3 96.9

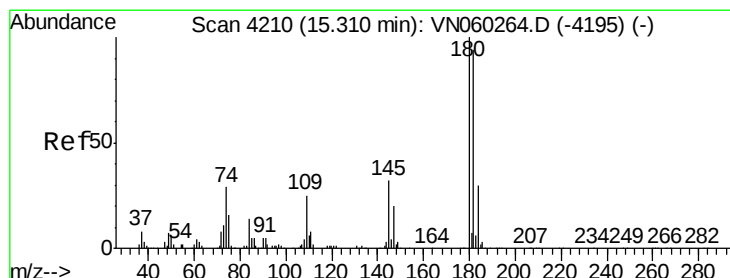
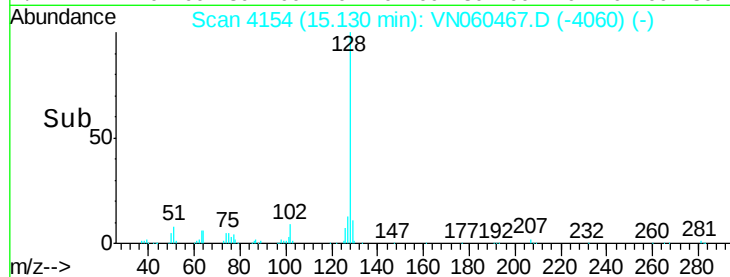
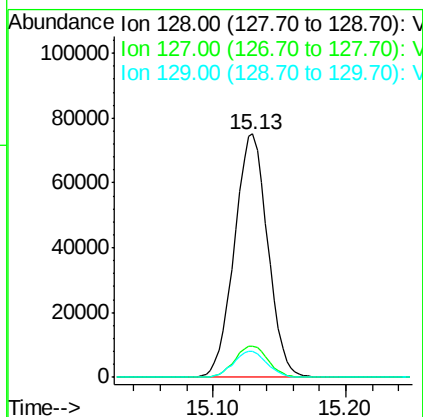
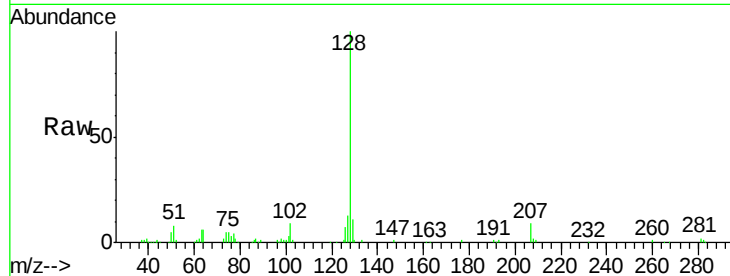




#95
Naphthalene
Concen: 15.76 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBS01

Tgt Ion:128 Resp: 131170
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 16.73 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060467.D
Acq: 12 Mar 2020 10:28

Tgt Ion:180 Resp: 44320
Ion Ratio Lower Upper
180 100
182 95.9 47.3 142.0
145 31.9 16.2 48.5

