

Data File : VN060438.D
Acq On : 11 Mar 2020 10:29
Operator : JC/MD
Sample : VN0311WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Quant Time: Mar 12 03:32:41 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	201131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124401	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.56	113	92953	61.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.14%	
50) Toluene-d8	10.08	98	358239	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
62) 4-Bromofluorobenzene	12.40	95	133072	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27339	14.825	ug/l	99
3) Chloromethane	2.04	50	49284	15.351	ug/l	99
4) Vinyl Chloride	2.16	62	41368	15.024	ug/l	99
5) Bromomethane	2.54	94	18242	14.766	ug/l	98
6) Chloroethane	2.68	64	22888	15.342	ug/l	95
7) Trichlorofluoromethane	3.00	101	55779	15.856	ug/l	99
8) Diethyl Ether	3.38	74	22555	16.981	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33574	16.863	ug/l	99
10) Methyl Iodide	3.93	142	25575	14.075	ug/l	99
11) Tert butyl alcohol	4.73	59	35897	93.683	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	32775	16.911	ug/l	95
13) Acrolein	3.58	56	35246	98.599	ug/l	99
14) Allyl chloride	4.29	41	61771	17.338	ug/l	99
15) Acrylonitrile	4.94	53	95466	94.523	ug/l	98
16) Acetone	3.78	43	80201	96.241	ug/l	100
17) Carbon Disulfide	4.03	76	78010	14.716	ug/l	99
18) Methyl Acetate	4.29	43	50357	18.108	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	124957	17.811	ug/l	100
20) Methylene Chloride	4.52	84	38397	16.778	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	34647	16.402	ug/l	97
22) Diisopropyl ether	5.91	45	130903	18.139	ug/l	95
23) Vinyl Acetate	5.86	43	525062	91.560	ug/l	99
24) 1,1-Dichloroethane	5.82	63	73021	17.875	ug/l	99
25) 2-Butanone	6.80	43	129422	96.151	ug/l	99
26) 2,2-Dichloropropane	6.79	77	65418	17.590	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	43110	16.245	ug/l	97
28) Bromochloromethane	7.17	49	30629	18.261	ug/l	98
29) Tetrahydrofuran	7.18	42	87225	93.189	ug/l	98
30) Chloroform	7.35	83	73041	17.961	ug/l	99
31) Cyclohexane	7.63	56	63462	17.328	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	63017	17.490	ug/l	99
36) 1,1-Dichloropropene	7.77	75	51685	16.537	ug/l	99
37) Ethyl Acetate	6.90	43	54821	18.525	ug/l	99
38) Carbon Tetrachloride	7.75	117	50517	16.601	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58579	15.897	ug/l	96
40) Benzene	8.02	78	158367	17.409	ug/l	100
41) Methacrylonitrile	7.14	41	24468	17.906	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58518	17.827	ug/l	99
43) Isopropyl Acetate	8.14	43	96694	18.664	ug/l	99
44) Trichloroethene	8.82	130	42603	16.816	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44216	18.591	ug/l	97
46) Dibromomethane	9.19	93	26801	17.367	ug/l	99
47) Bromodichloromethane	9.39	83	56932	18.139	ug/l	99
48) Methyl methacrylate	9.18	41	40917	17.319	ug/l	99
49) 1,4-Dioxane	9.18	88	12378	372.565	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	280060	95.341	ug/l	99
52) Toluene	10.14	92	98620	17.259	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	65930	17.143	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	70517	17.695	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	39847	17.341	ug/l	98
56) Ethyl methacrylate	10.42	69	58135	17.610	ug/l	96
57) 1,3-Dichloropropane	10.70	76	67849	18.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	156974	90.915	ug/l	98
59) 2-Hexanone	10.74	43	198904	92.224	ug/l	99
60) Dibromochloromethane	10.89	129	41838	17.903	ug/l	100
61) 1,2-Dibromoethane	10.99	107	39452	17.612	ug/l	98
64) Tetrachloroethene	10.62	164	43583	17.577	ug/l	96
65) Chlorobenzene	11.43	112	102796	17.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39996	17.898	ug/l	99
67) Ethyl Benzene	11.50	91	190603	17.318	ug/l	99
68) m/p-Xylenes	11.62	106	138609	33.379	ug/l	98
69) o-Xylene	11.94	106	68553	17.312	ug/l	98
70) Styrene	11.96	104	108260	16.628	ug/l	99
71) Bromoform	12.12	173	28844	17.909	ug/l #	100
73) Isopropylbenzene	12.24	105	185134	17.529	ug/l	99
74) N-amyl acetate	12.06	43	81332	17.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54204	18.880	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	75545	24.163	ug/l #	100
77) Bromobenzene	12.52	156	43899	16.956	ug/l	97
78) n-propylbenzene	12.59	91	212486	17.163	ug/l	99
79) 2-Chlorotoluene	12.67	91	127215	17.481	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	155183	17.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20003	17.662	ug/l #	85
82) 4-Chlorotoluene	12.77	91	130572	17.030	ug/l	97
83) tert-Butylbenzene	12.99	119	130081	16.895	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	152315	16.970	ug/l	99
85) sec-Butylbenzene	13.17	105	175933	17.064	ug/l	99
86) p-Isopropyltoluene	13.28	119	158328	16.592	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	78748	17.578	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	78923	17.619	ug/l	99
89) n-Butylbenzene	13.61	91	139449	15.919	ug/l	99
90) Hexachloroethane	13.87	117	21532	15.589	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	76021	16.758	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10694	16.449	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031120\
Quantitation Report (Not Reviewed)

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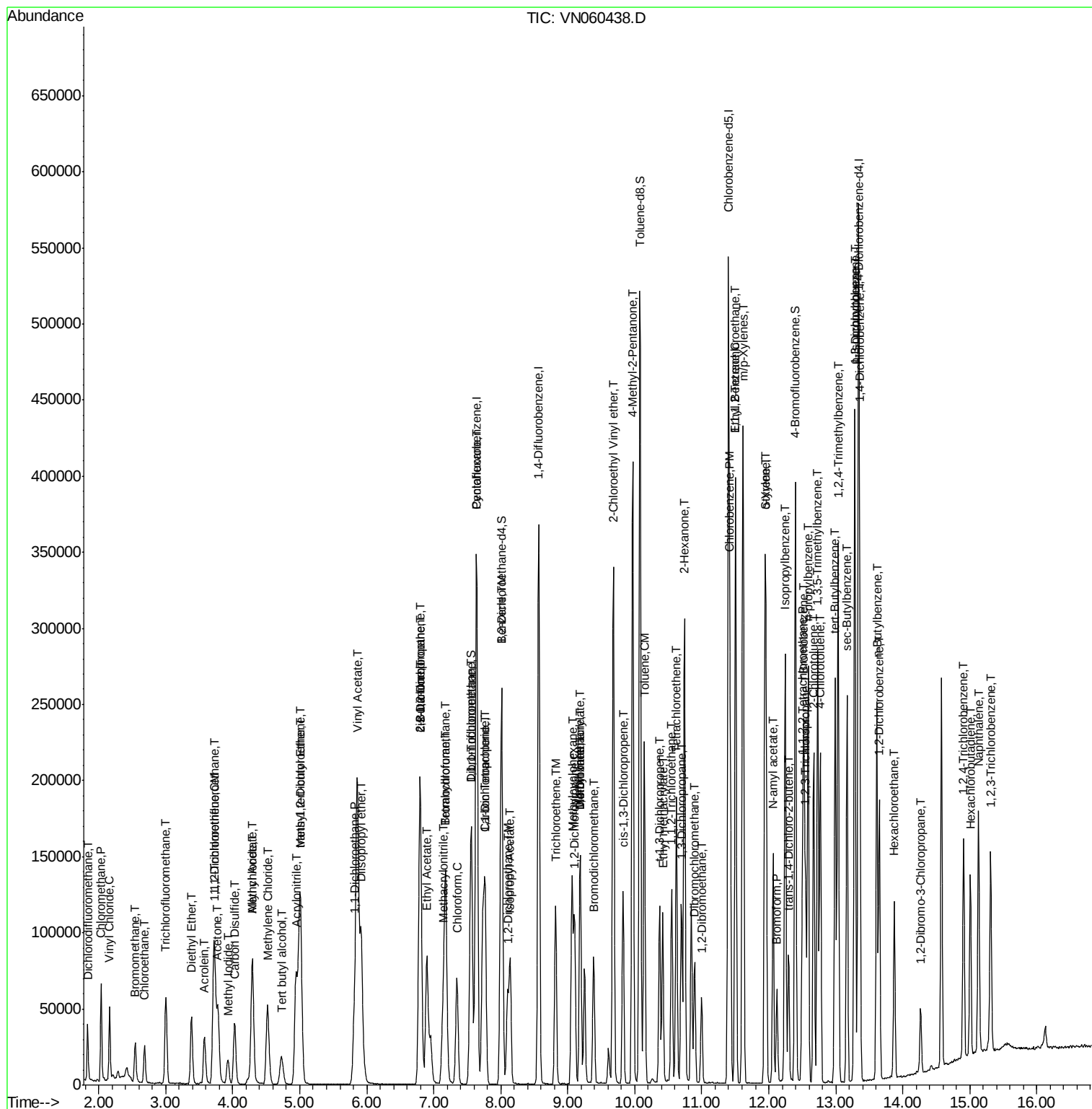
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46137	16.066	ug/l	99
94) Hexachlorobutadiene	15.01	225	23607	17.443	ug/l	98
95) Naphthalene	15.13	128	133307	15.513	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44965	16.441	ug/l	99

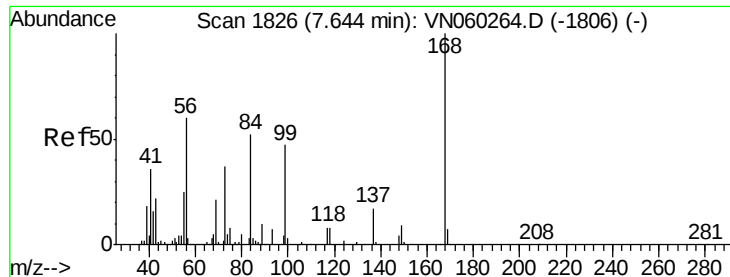
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

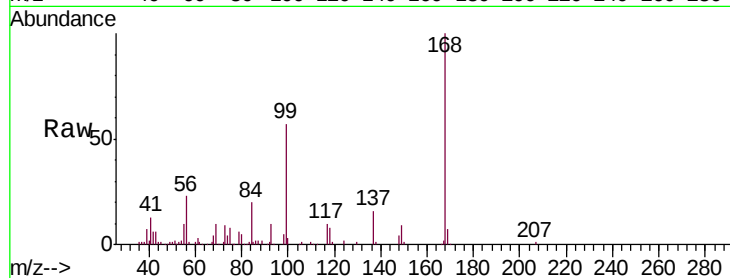
VN0311WBS01

Tgt Ion:168 Resp: 201131

Ion Ratio Lower Upper

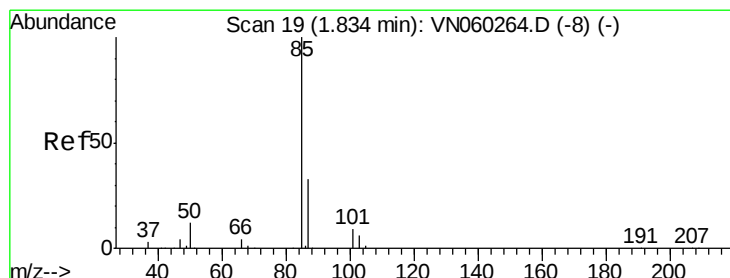
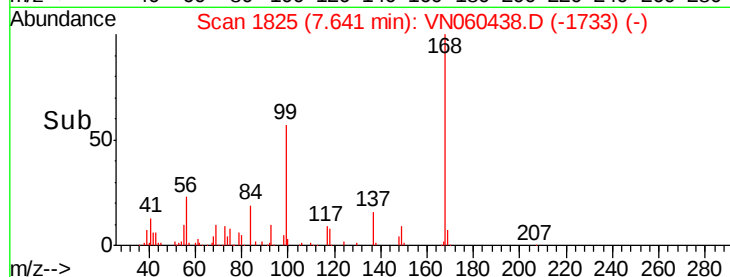
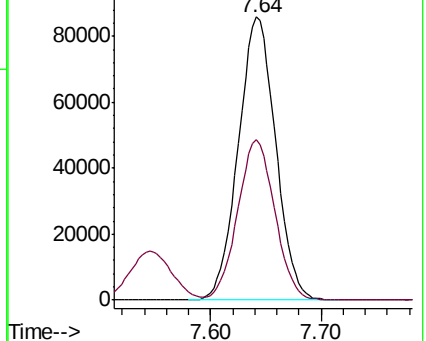
168 100

99 56.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 14.825 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060438.D

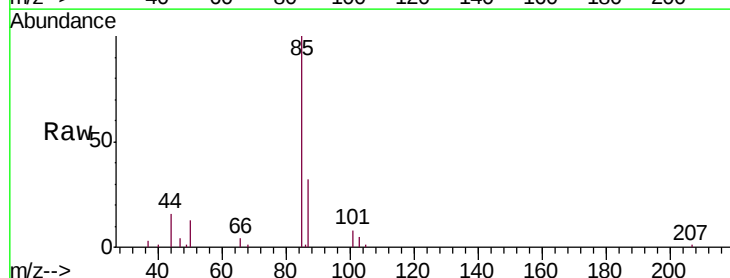
Acq: 11 Mar 2020 10:29

Tgt Ion: 85 Resp: 27339

Ion Ratio Lower Upper

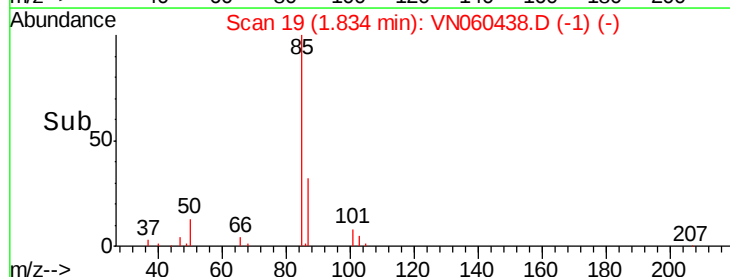
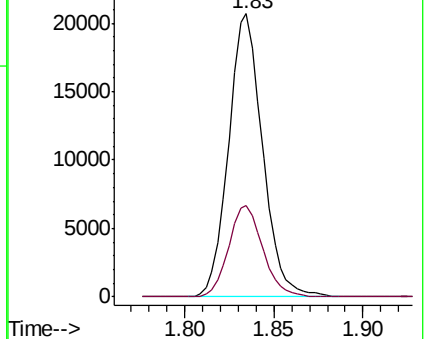
85 100

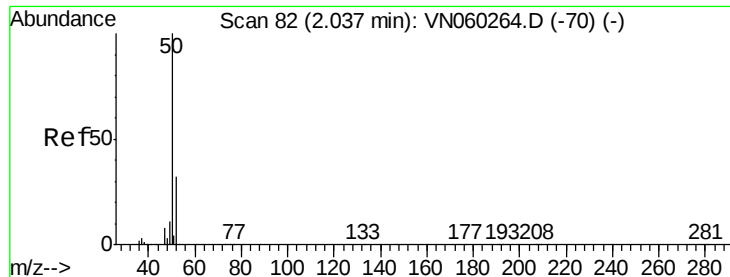
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

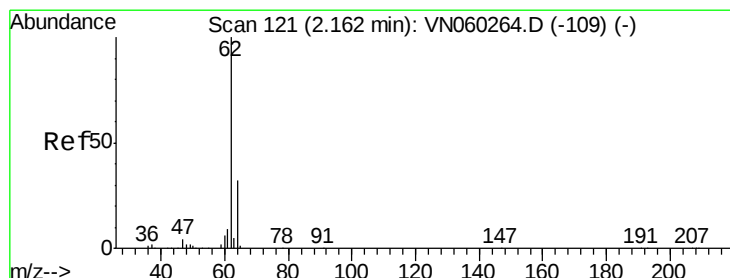
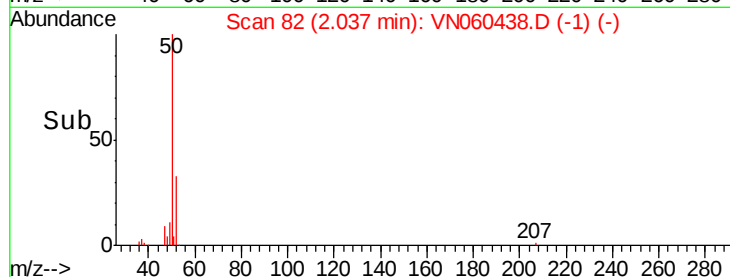
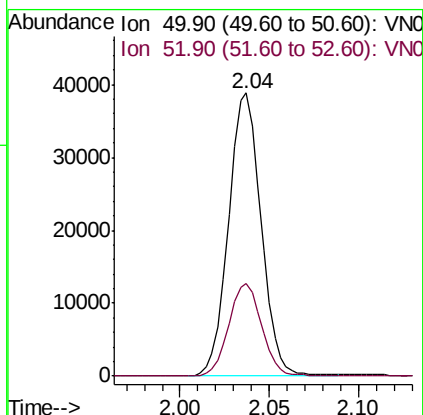
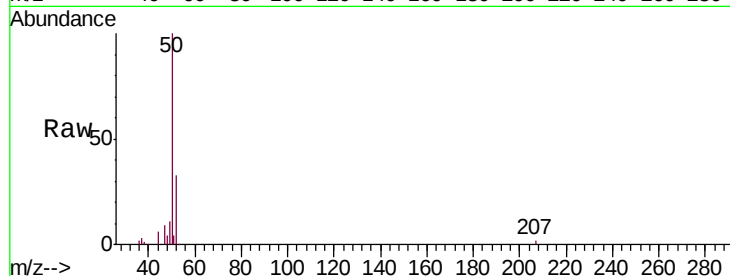




#3
Chloromethane
Concen: 15.351 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

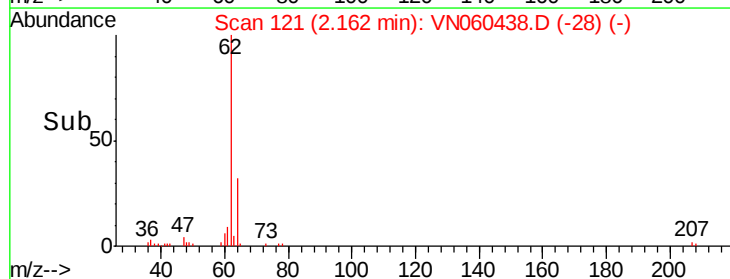
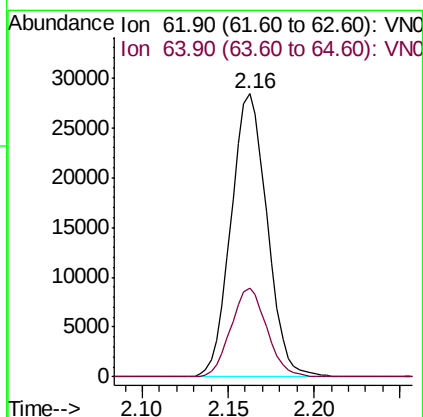
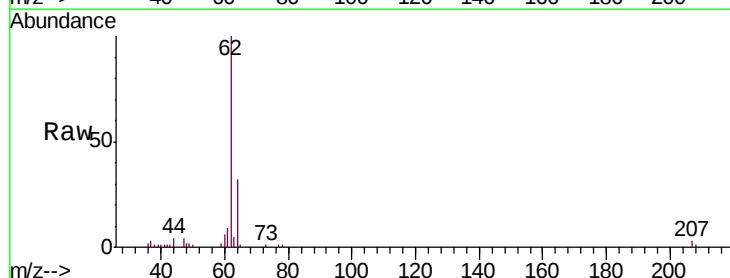
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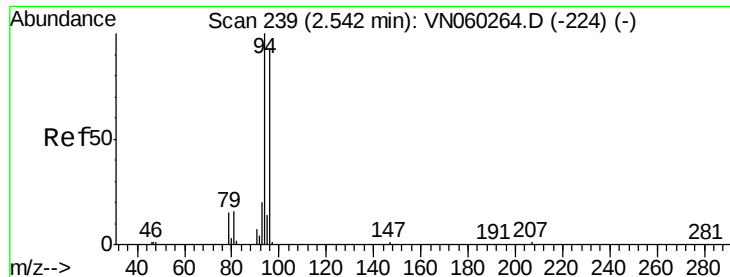
Tgt Ion: 50 Resp: 49284
Ion Ratio Lower Upper
50 100
52 32.5 25.6 38.4



#4
Vinyl Chloride
Concen: 15.024 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 62 Resp: 41368
Ion Ratio Lower Upper
62 100
64 31.5 25.5 38.3

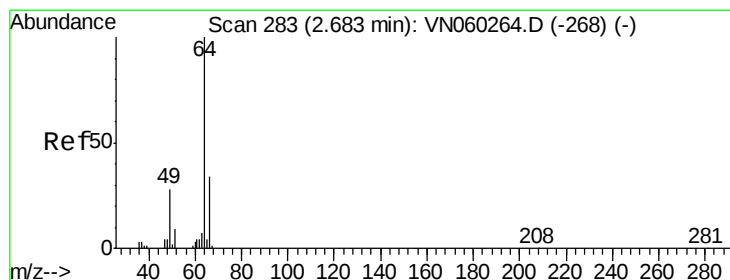
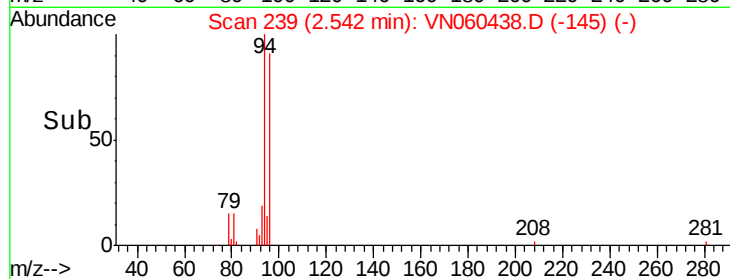
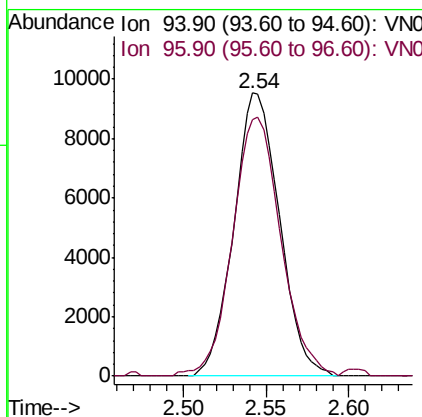
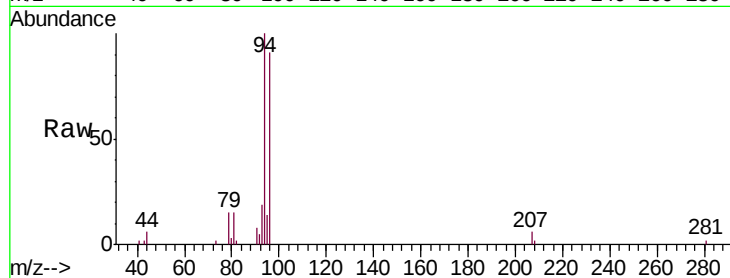




#5
Bromomethane
Concen: 14.766 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN060438.D
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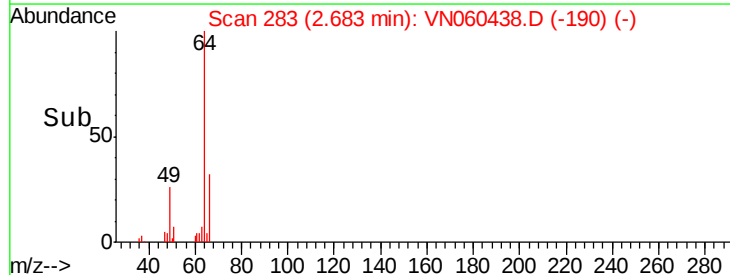
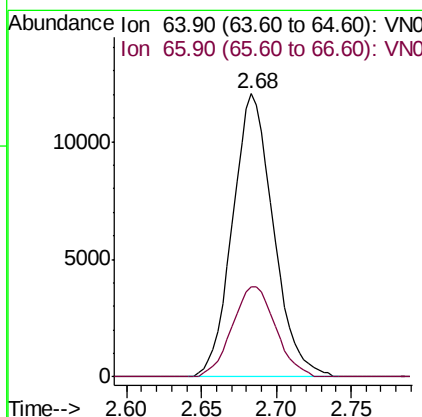
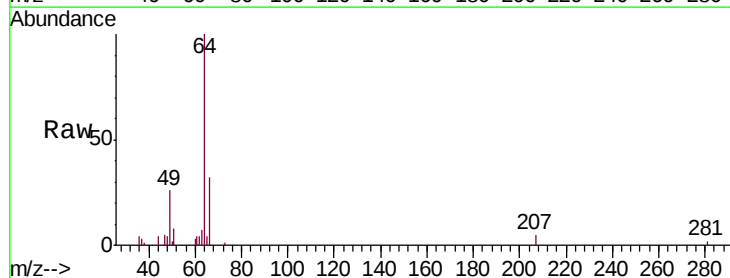
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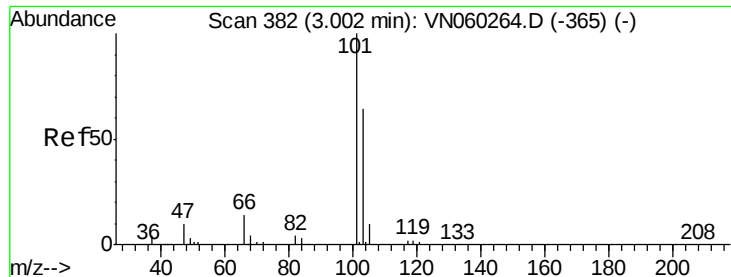
Tgt Ion: 94 Resp: 18242
Ion Ratio Lower Upper
94 100
96 90.7 74.3 111.5



#6
Chloroethane
Concen: 15.342 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 64 Resp: 22888
Ion Ratio Lower Upper
64 100
66 31.7 27.4 41.2



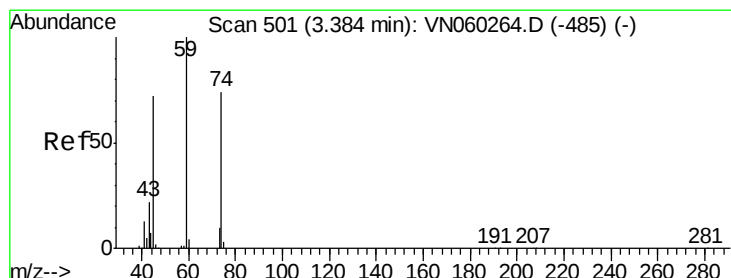
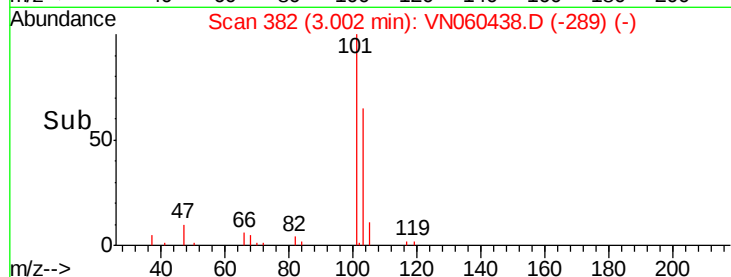
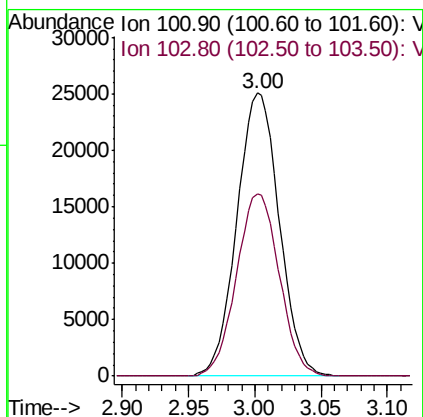
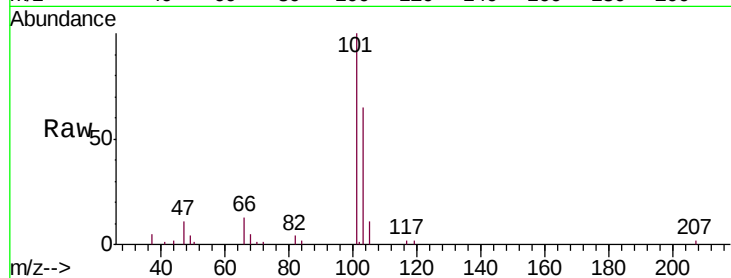


#7

Trichlorofluoromethane
 Concen: 15.856 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060438.D
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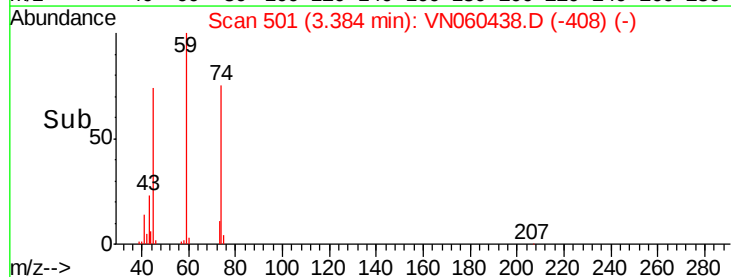
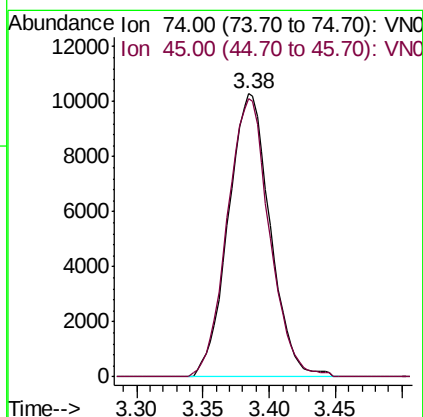
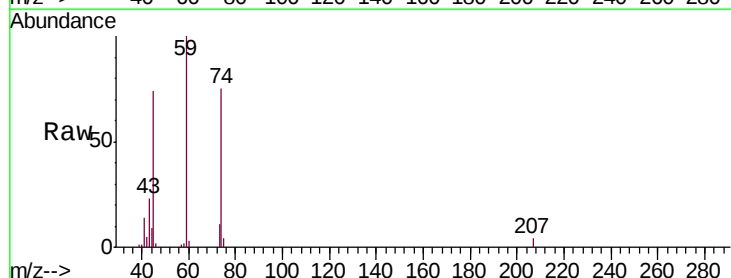
Tgt Ion:101 Resp: 55779
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.3 76.9

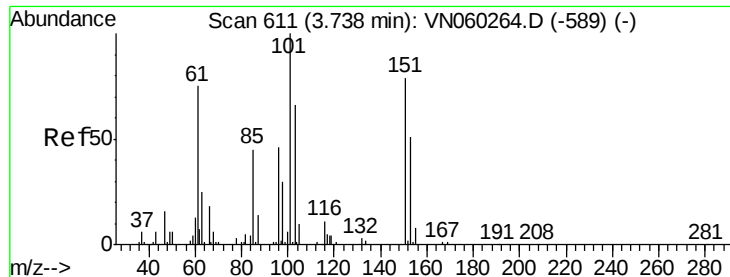


#8

Diethyl Ether
 Concen: 16.981 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 74 Resp: 22555
 Ion Ratio Lower Upper
 74 100
 45 99.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.863 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

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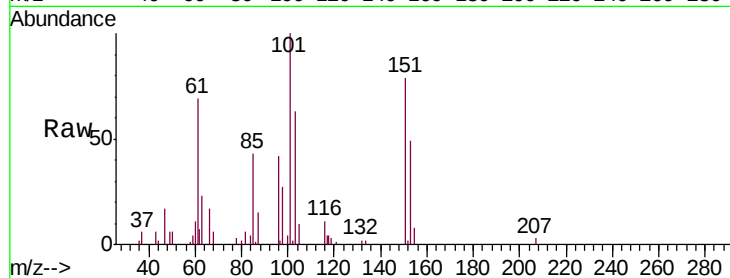
Tgt Ion:101 Resp: 33574

Ion Ratio Lower Upper

101 100

85 45.2 35.4 53.2

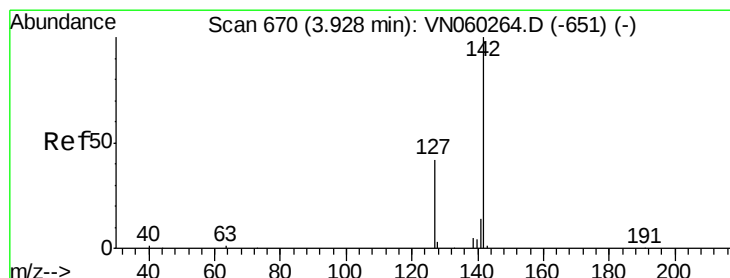
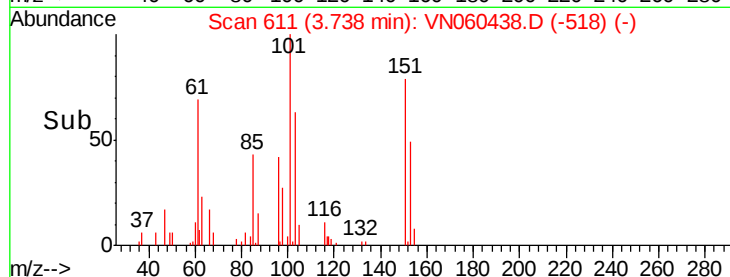
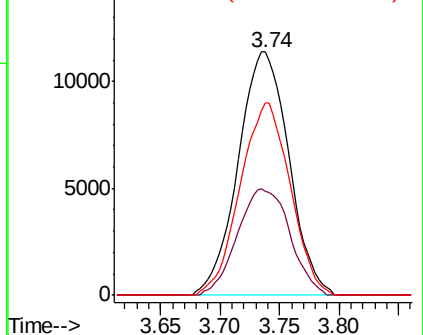
151 78.0 62.0 93.0



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: 14.075 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

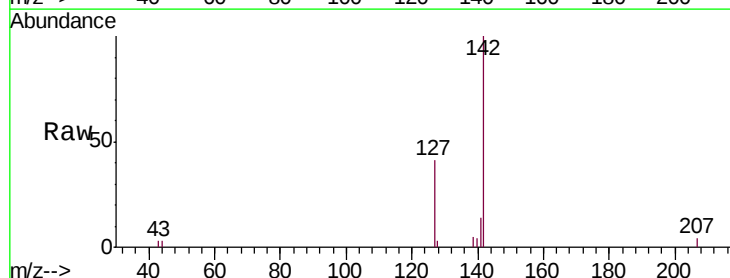
Tgt Ion:142 Resp: 25575

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

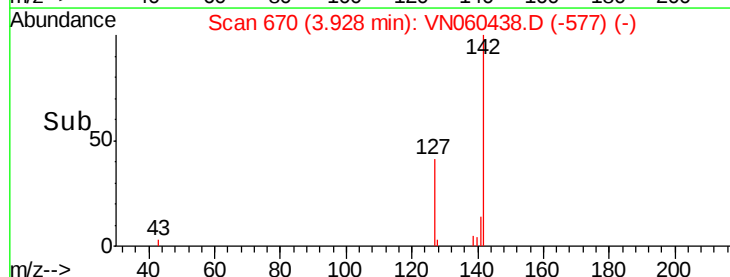
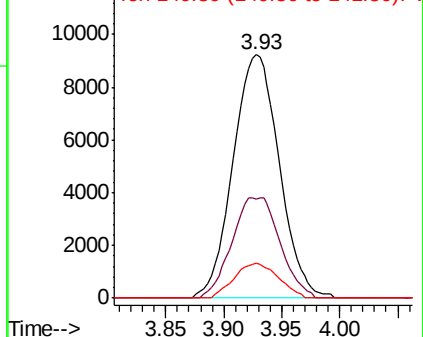
141 13.7 11.1 16.7

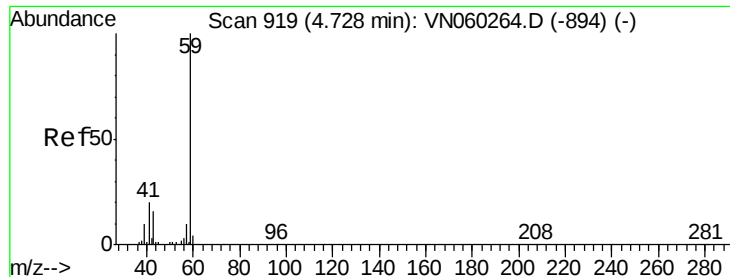


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.683 ug/l

RT: 4.73 min Scan# 919

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

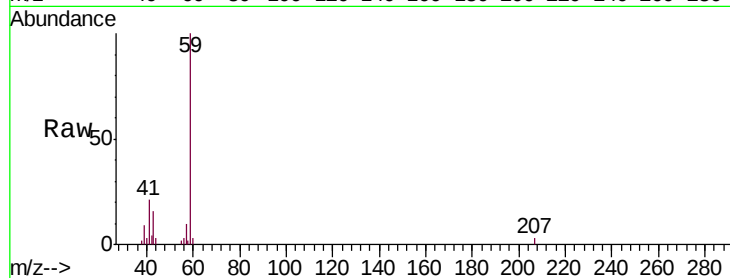
VN0311WBS01

Tgt Ion: 59 Resp: 35897

Ion Ratio Lower Upper

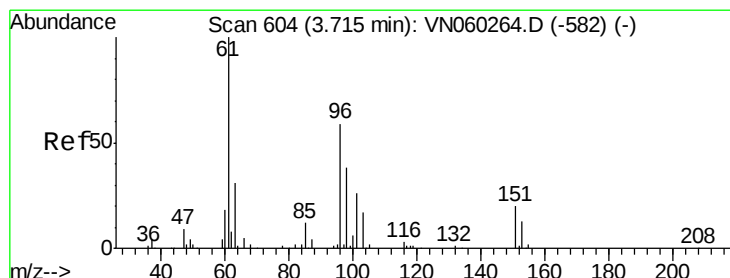
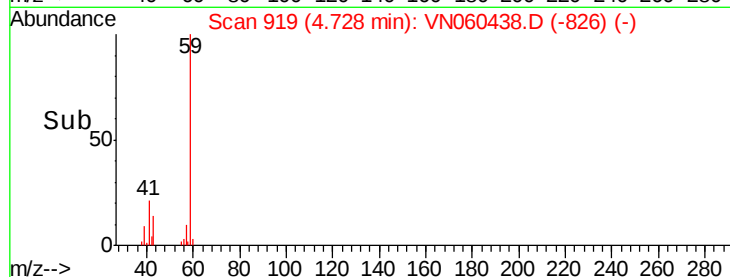
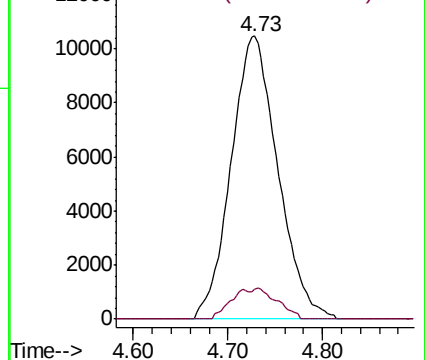
59 100

57 5.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 16.911 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

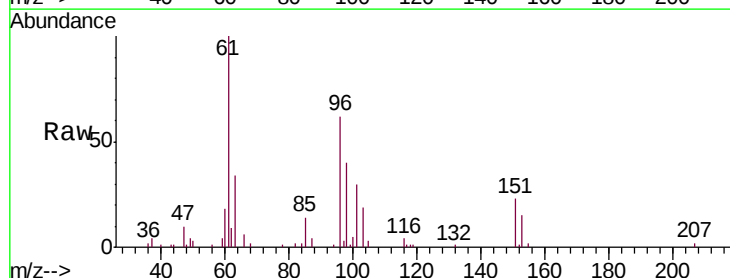
Tgt Ion: 96 Resp: 32775

Ion Ratio Lower Upper

96 100

61 161.2 135.4 203.0

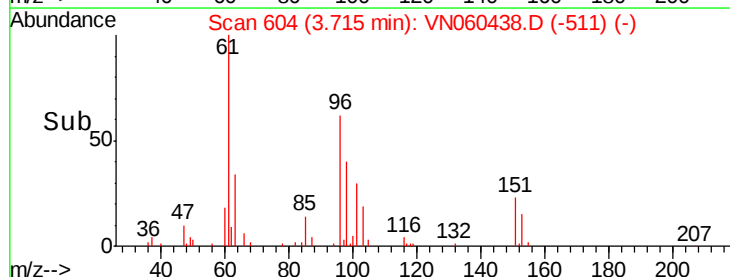
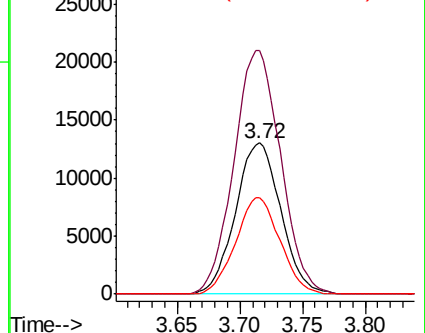
98 63.7 51.6 77.4

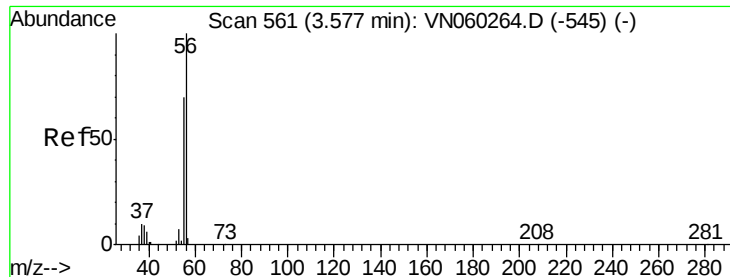


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 98.599 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

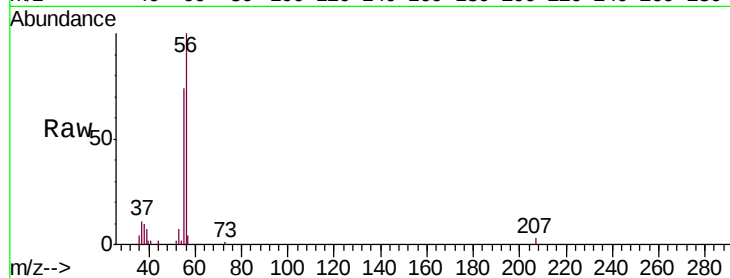
VN0311WBS01

Tgt Ion: 56 Resp: 35246

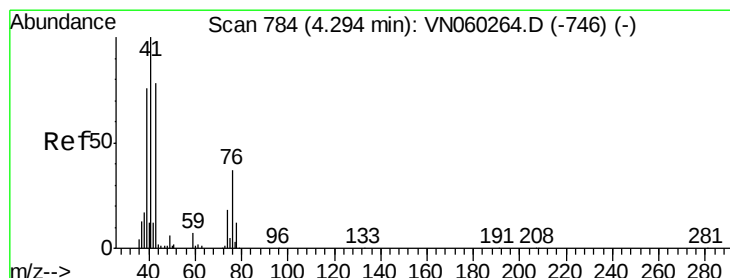
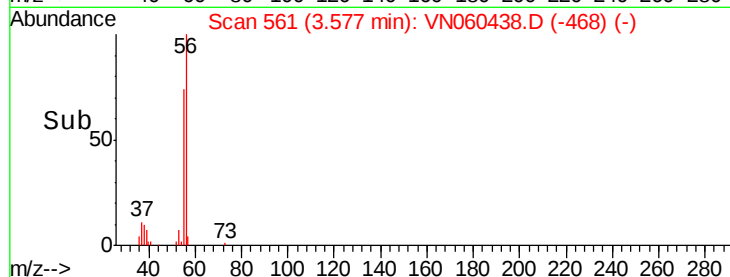
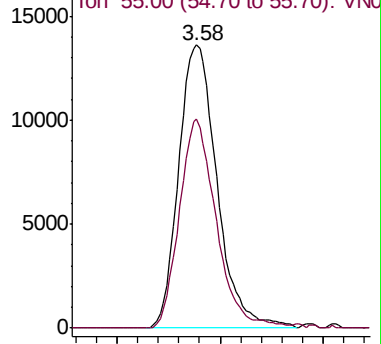
Ion Ratio Lower Upper

56 100

55 71.0 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN060438.D (-545) (-)



#14

Allyl chloride

Concen: 17.338 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

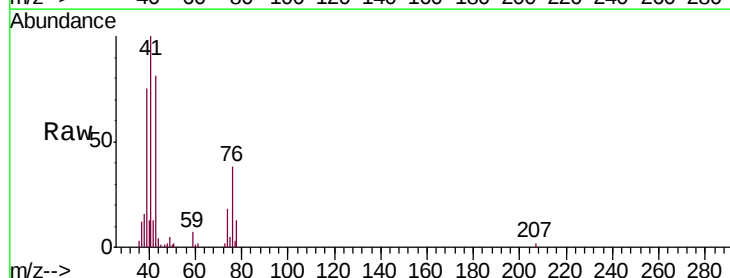
Tgt Ion: 41 Resp: 61771

Ion Ratio Lower Upper

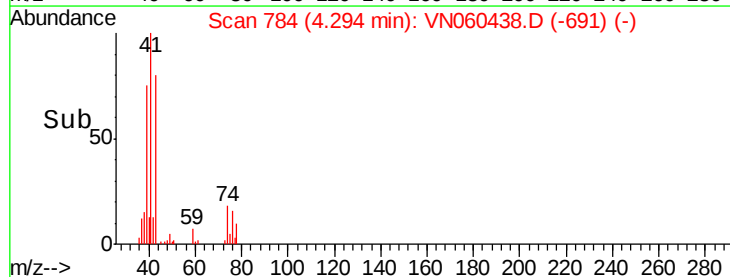
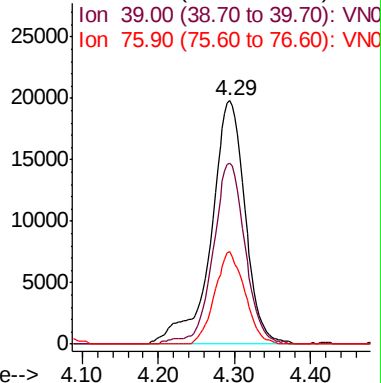
41 100

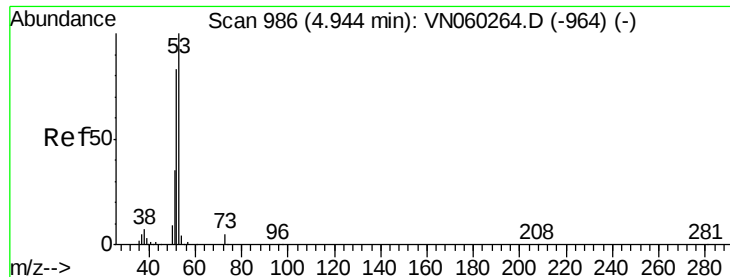
39 70.0 55.4 83.2

76 33.4 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN060438.D (-746) (-)





#15

Acrylonitrile

Concen: 94.523 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

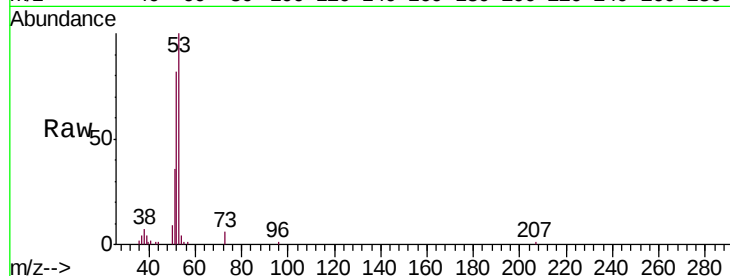
Tgt Ion: 53 Resp: 95466

Ion Ratio Lower Upper

53 100

52 81.9 66.8 100.2

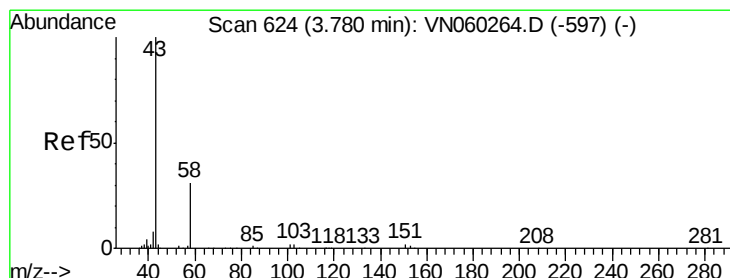
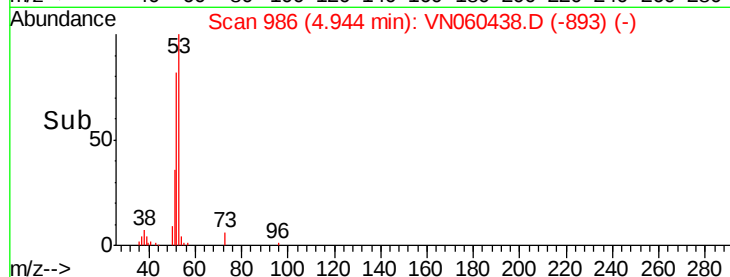
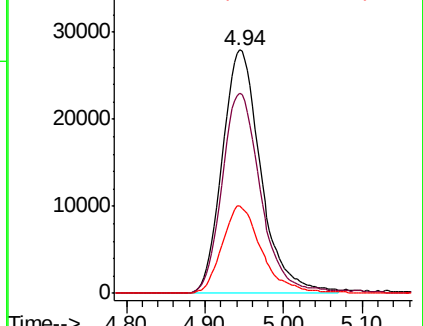
51 36.9 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060438.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060438.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060438.D (-964) (-)



#16

Acetone

Concen: 96.241 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060438.D

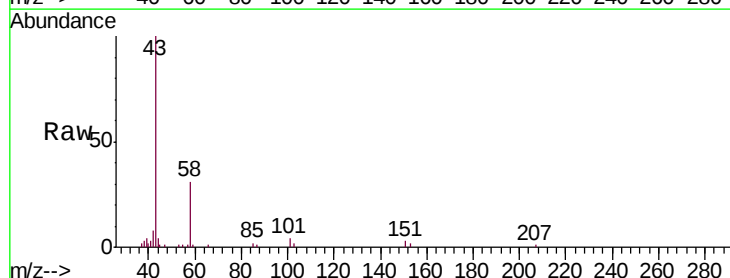
Acq: 11 Mar 2020 10:29

Tgt Ion: 43 Resp: 80201

Ion Ratio Lower Upper

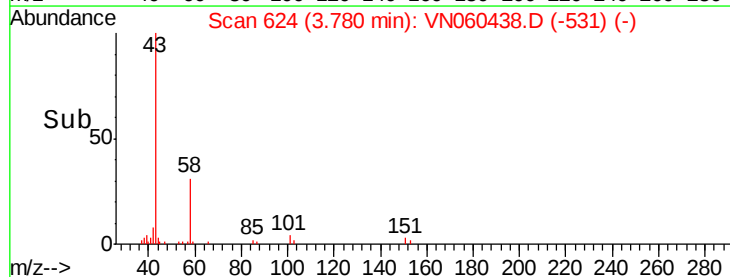
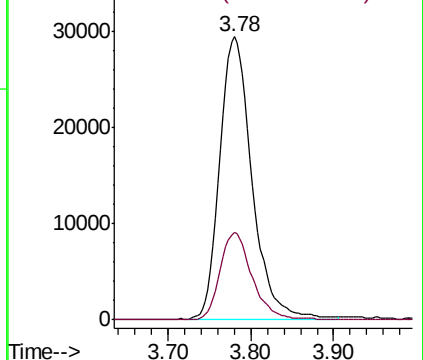
43 100

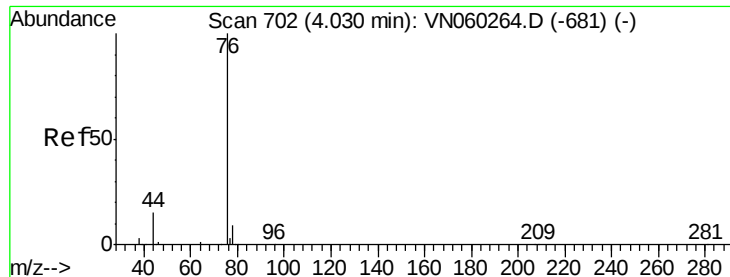
58 31.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060438.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060438.D (-531) (-)

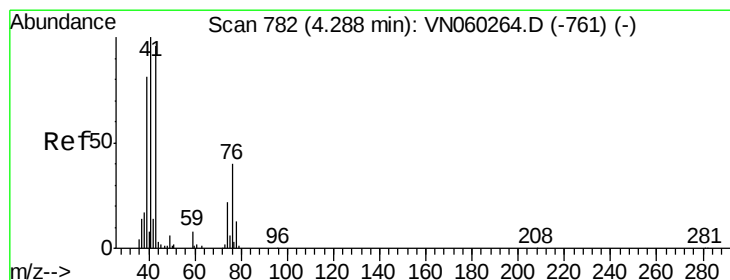
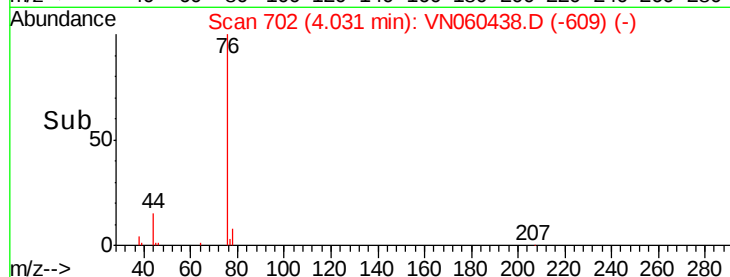
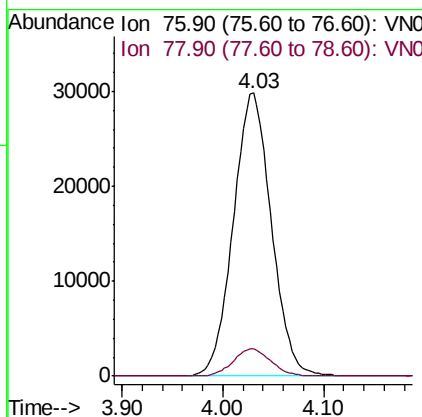
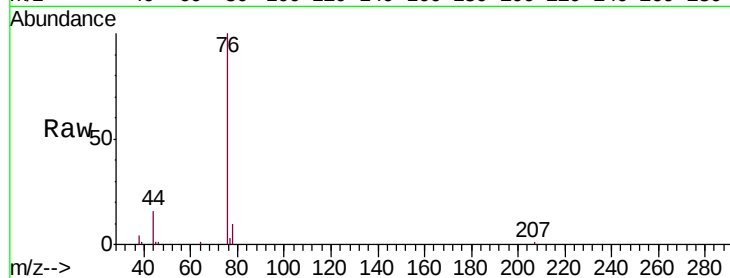




#17
Carbon Disulfide
Concen: 14.716 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

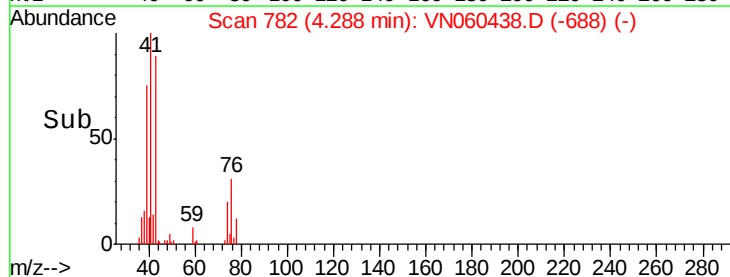
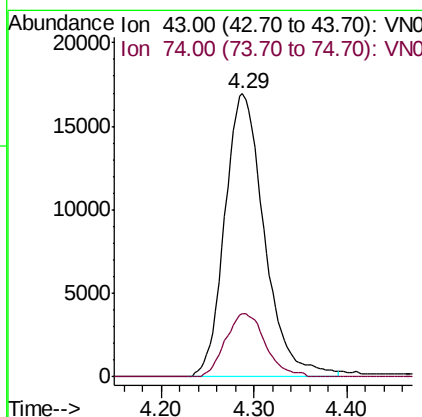
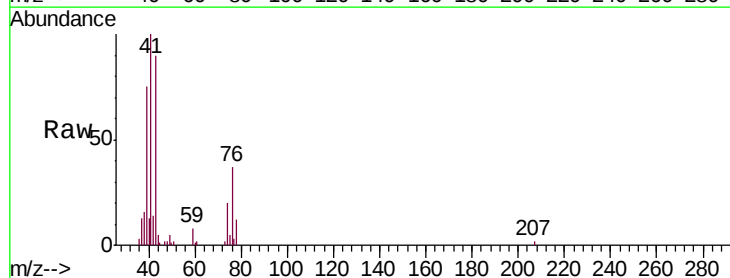
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

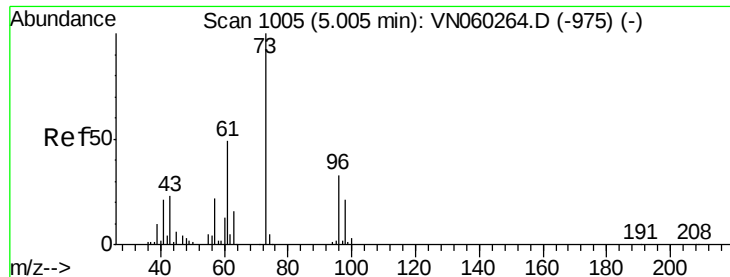
Tgt Ion: 76 Resp: 78010
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 18.108 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 43 Resp: 50357
Ion Ratio Lower Upper
43 100
74 22.5 18.8 28.2

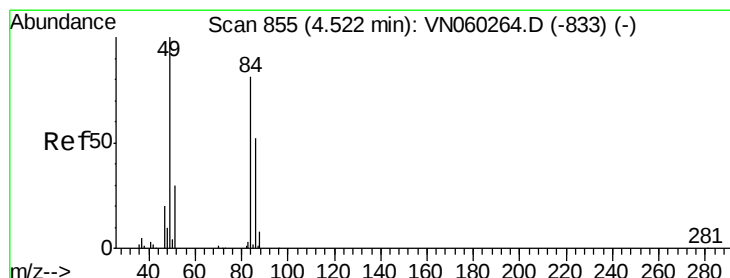
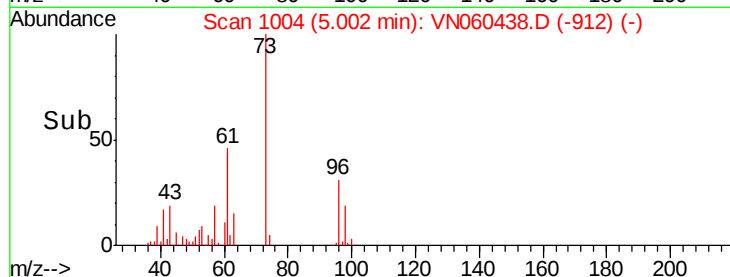
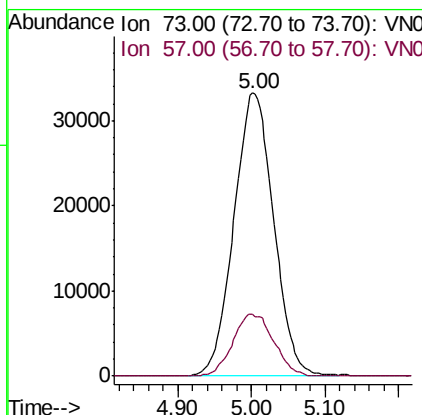
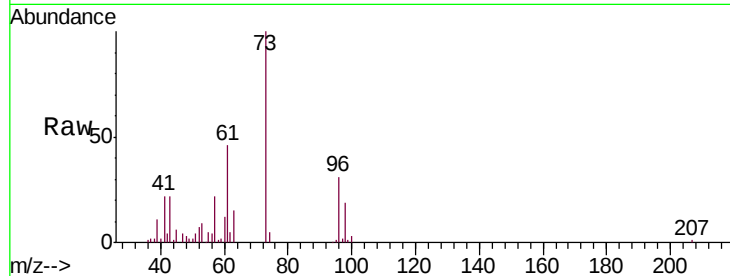




#19
Methyl tert-butyl Ether
Concen: 17.811 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

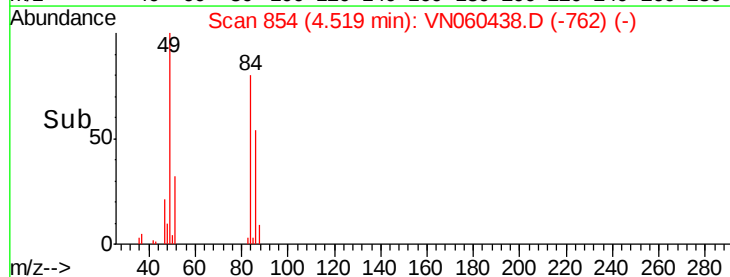
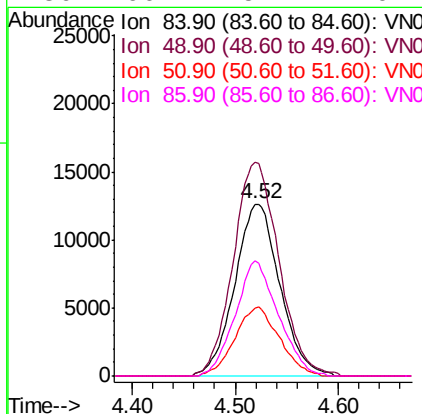
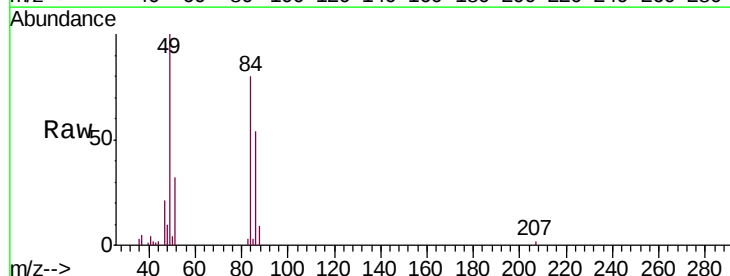
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

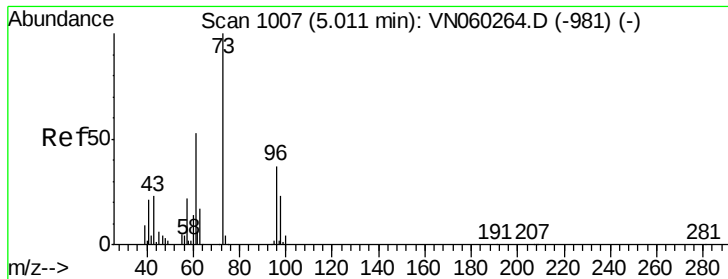
Tgt Ion: 73 Resp: 124957
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9



#20
Methylene Chloride
Concen: 16.778 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 84 Resp: 38397
Ion Ratio Lower Upper
84 100
49 124.3 99.3 148.9
51 39.8 30.1 45.1
86 66.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 16.402 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

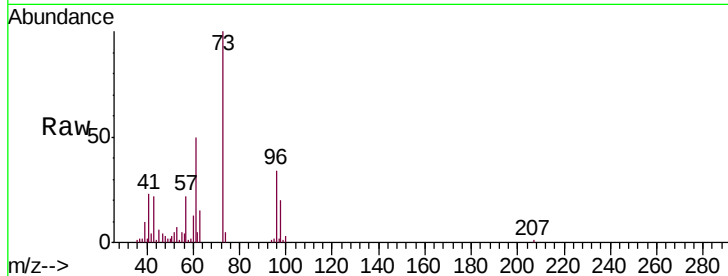
Tgt Ion: 96 Resp: 34647

Ion Ratio Lower Upper

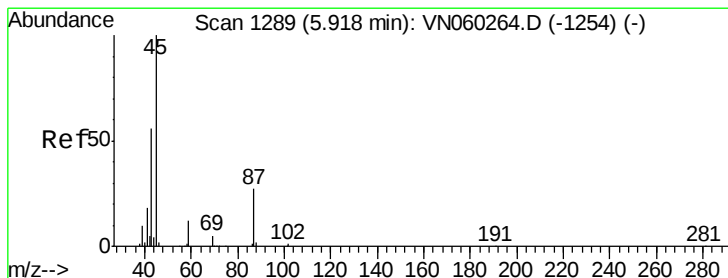
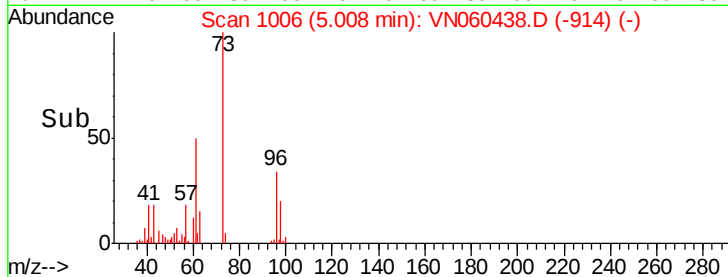
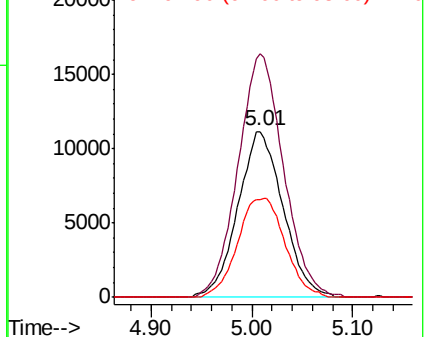
96 100

61 146.7 113.8 170.8

98 59.2 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 18.139 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion: 45 Resp: 130903

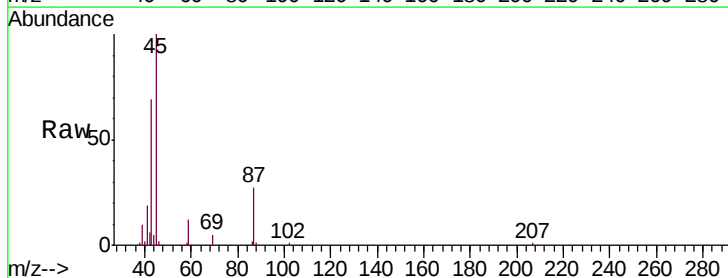
Ion Ratio Lower Upper

45 100

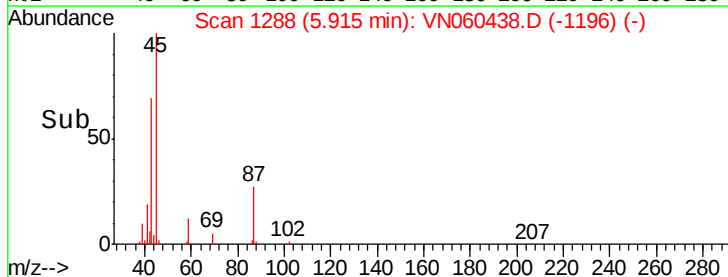
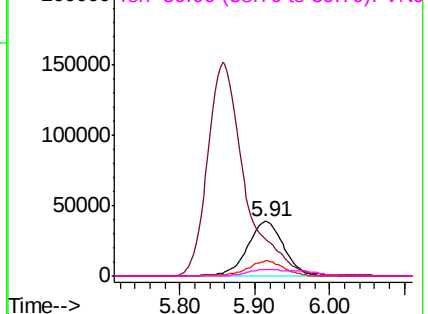
43 66.6 48.6 72.8

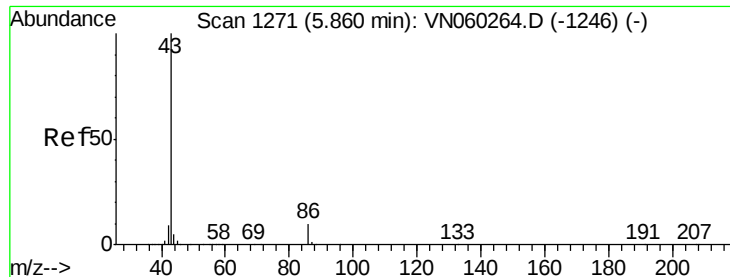
87 27.2 22.2 33.2

59 12.4 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 91.560 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

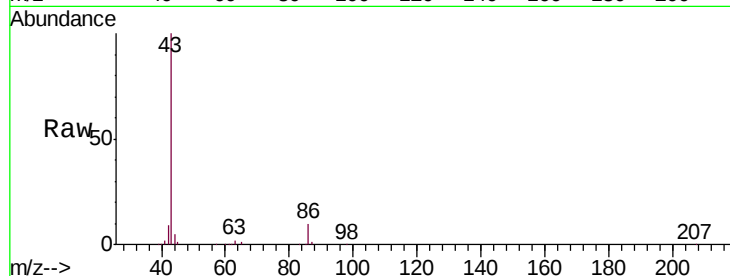
VN0311WBS01

Tgt Ion: 43 Resp: 525062

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060264.D (-1246) (-)

5.86

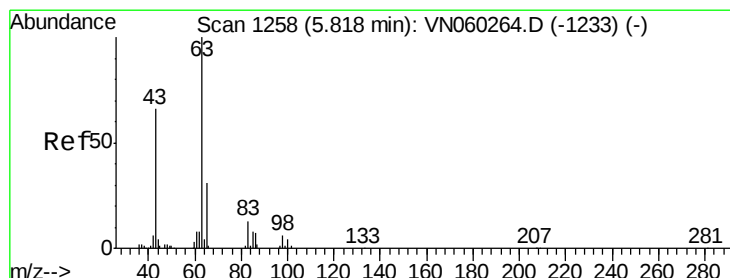
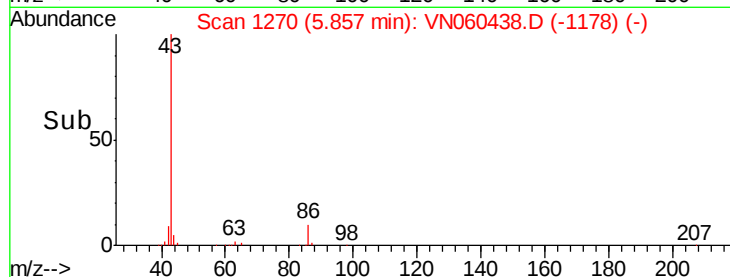
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.875 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

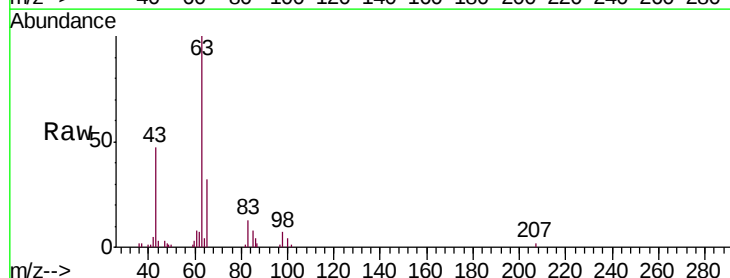
Tgt Ion: 63 Resp: 73021

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.0

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060264.D (-1233) (-)

5.82

30000

25000

20000

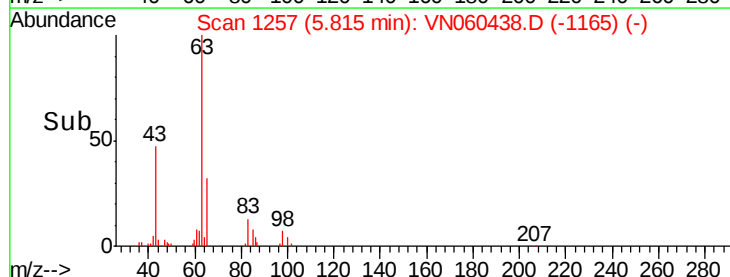
15000

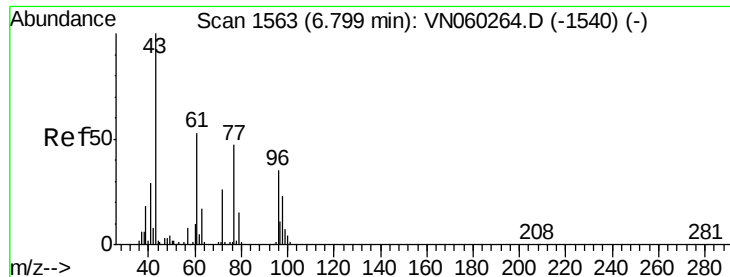
10000

5000

0

Time-->

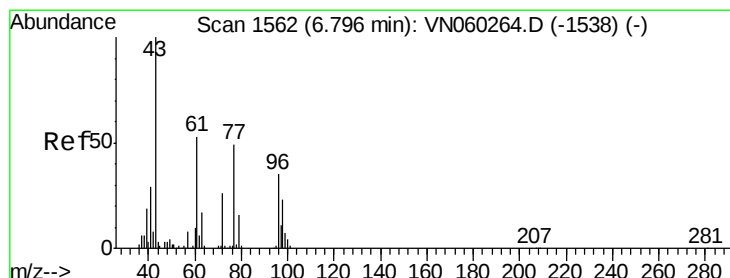
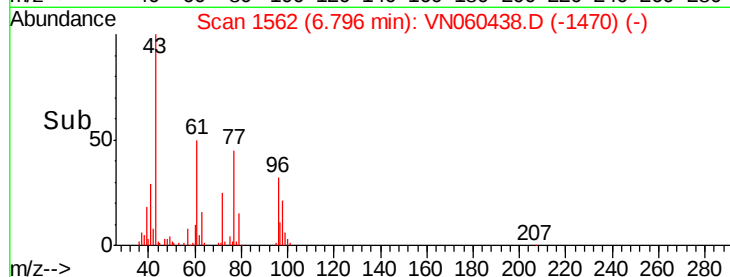
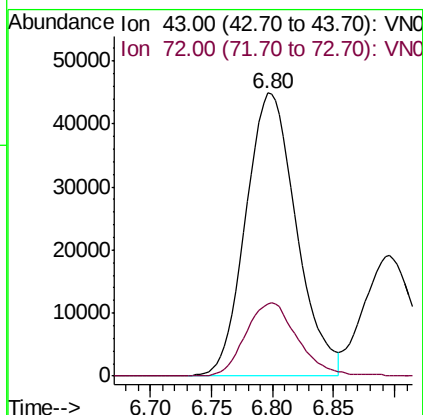
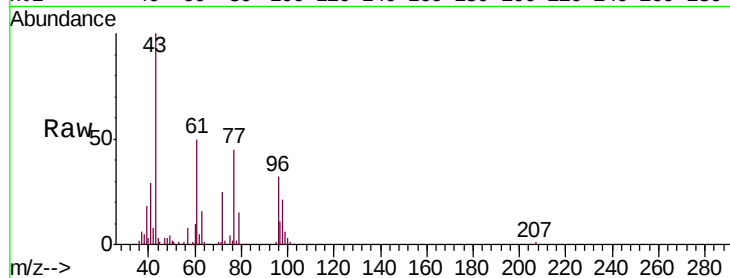




#25
2-Butanone
Concen: 96.151 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

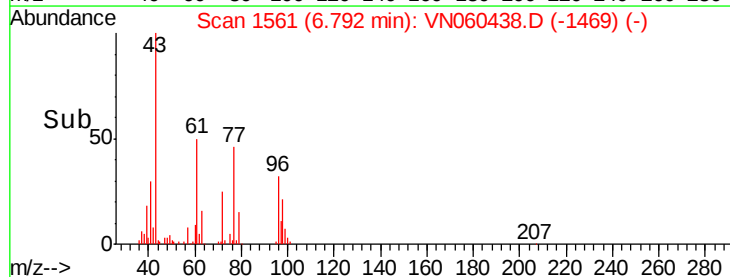
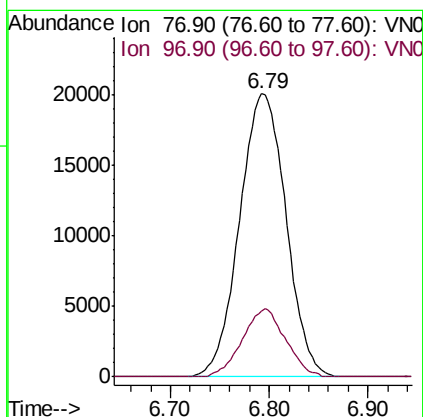
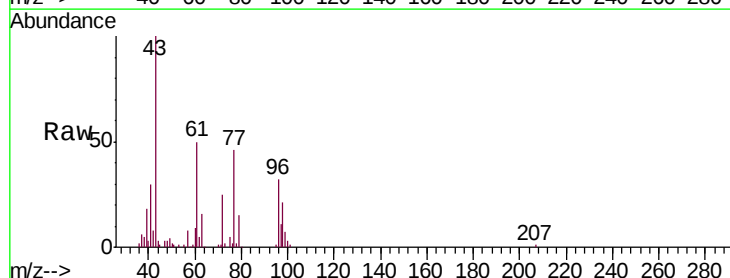
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

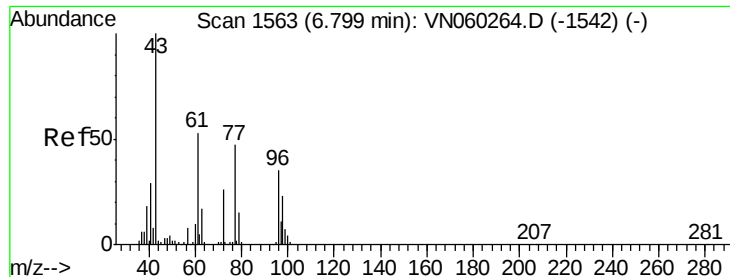
Tgt Ion: 43 Resp: 129422
Ion Ratio Lower Upper
43 100
72 25.4 20.9 31.3



#26
2,2-Dichloropropane
Concen: 17.590 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 77 Resp: 65418
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.245 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

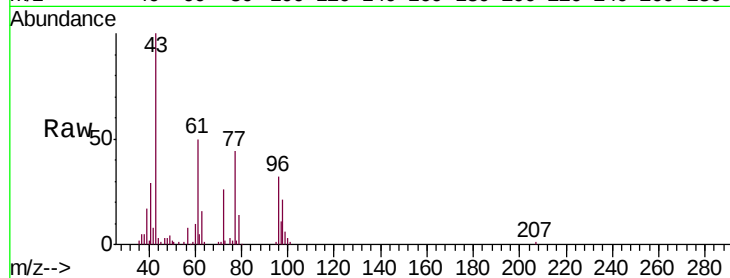
Tgt Ion: 96 Resp: 43110

Ion Ratio Lower Upper

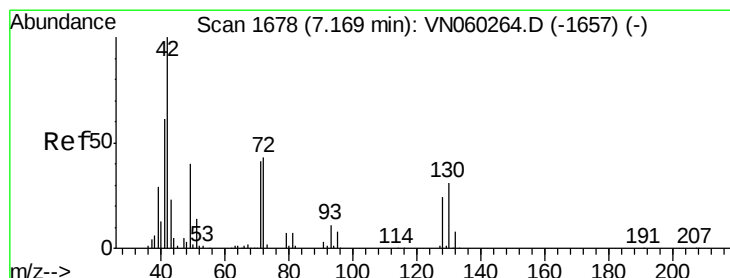
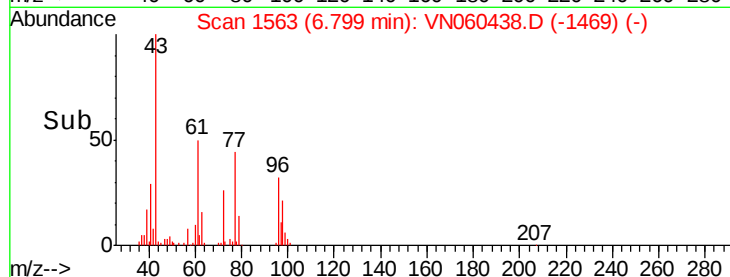
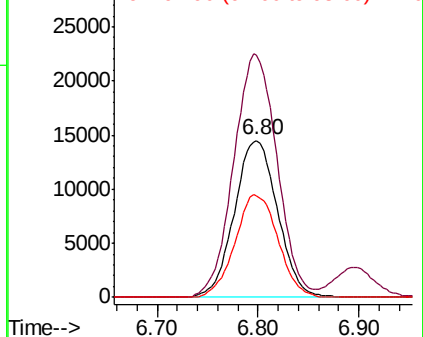
96 100

61 155.6 0.0 300.8

98 64.9 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.261 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

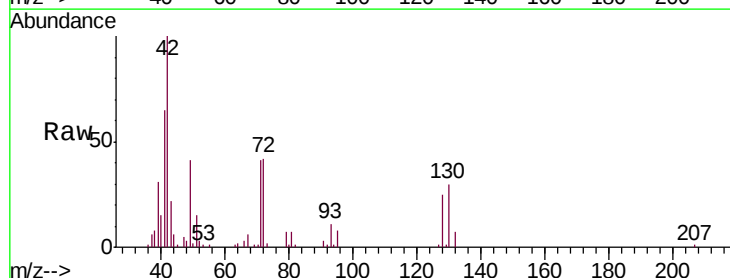
Tgt Ion: 49 Resp: 30629

Ion Ratio Lower Upper

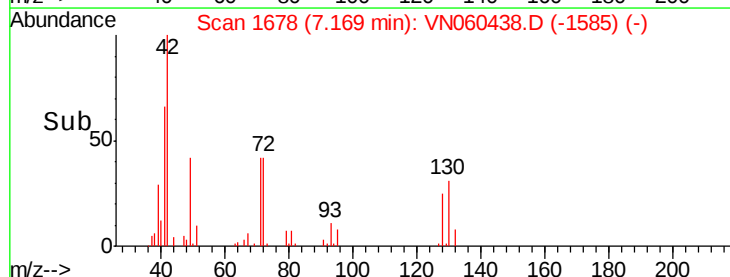
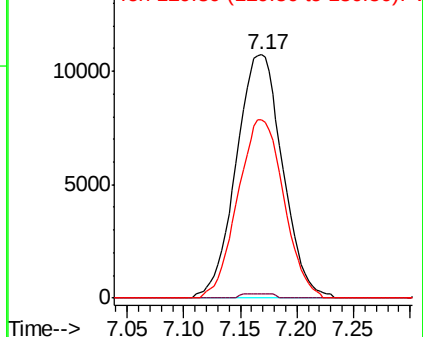
49 100

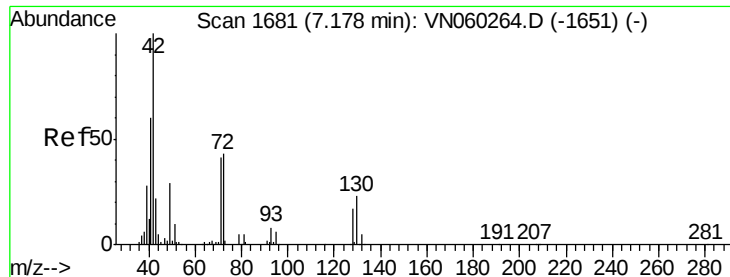
129 1.3 0.0 3.8

130 72.8 59.8 89.8



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

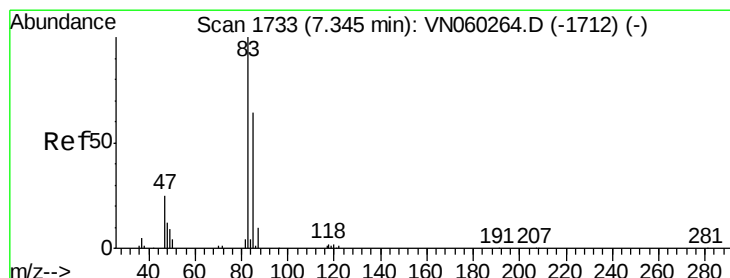
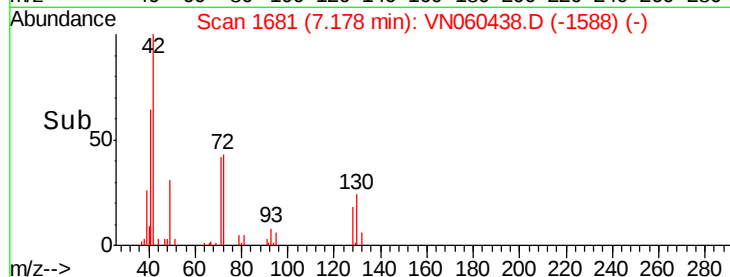
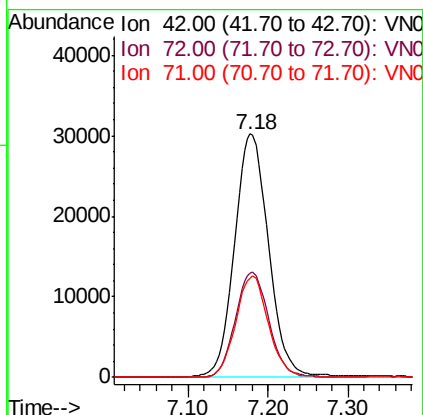
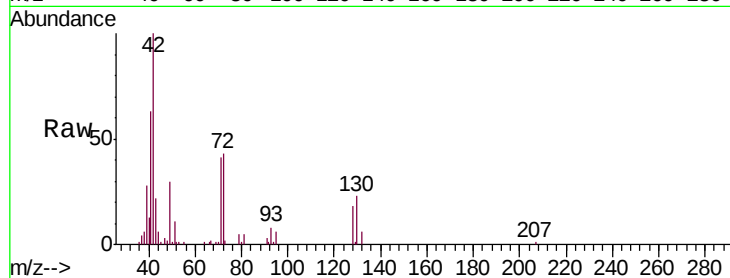




#29
Tetrahydrofuran
Concen: 93.189 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

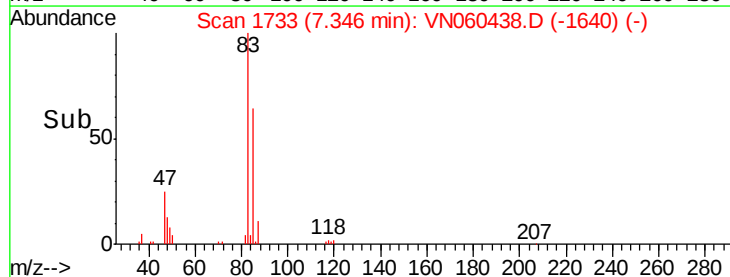
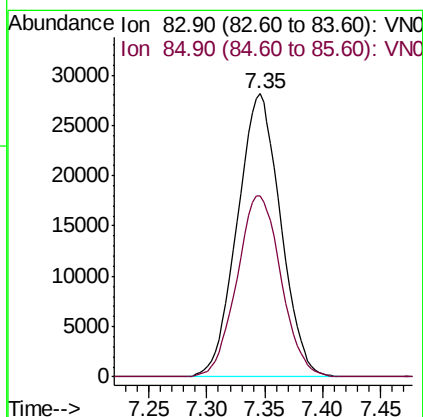
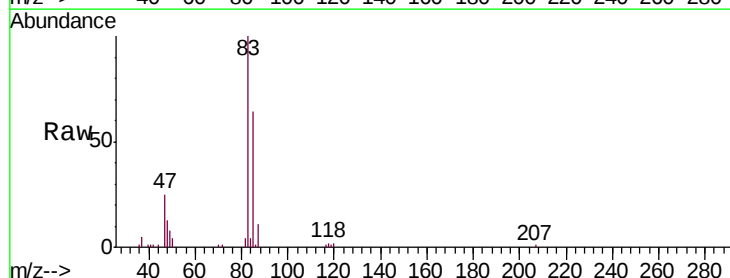
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

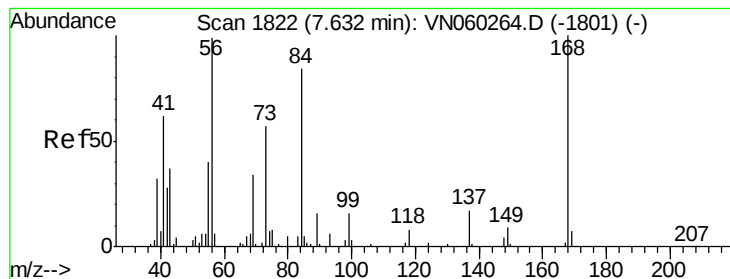
Tgt Ion: 42 Resp: 87225
Ion Ratio Lower Upper
42 100
72 42.2 34.6 52.0
71 39.6 32.9 49.3



#30
Chloroform
Concen: 17.961 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 83 Resp: 73041
Ion Ratio Lower Upper
83 100
85 63.9 51.4 77.2





#31

Cyclohexane

Concen: 17.328 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

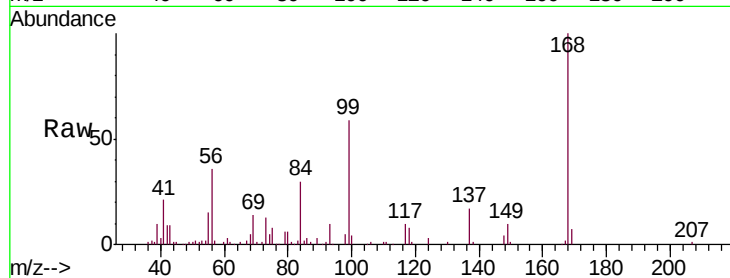
Tgt Ion: 56 Resp: 63462

Ion Ratio Lower Upper

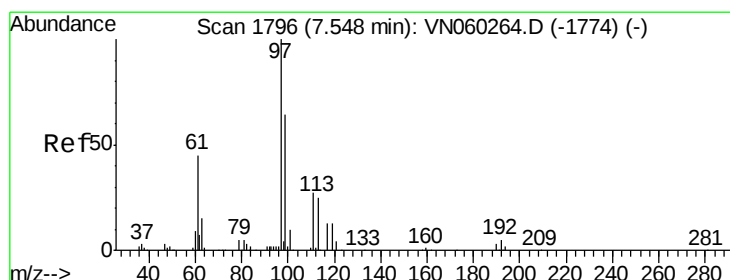
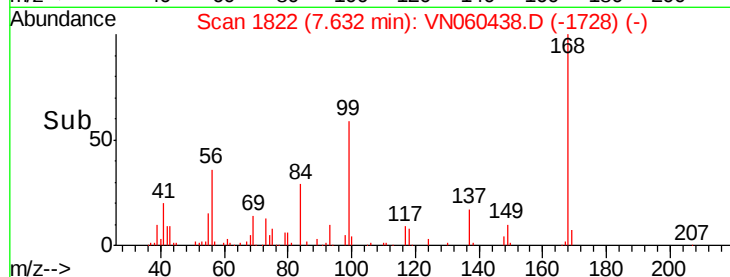
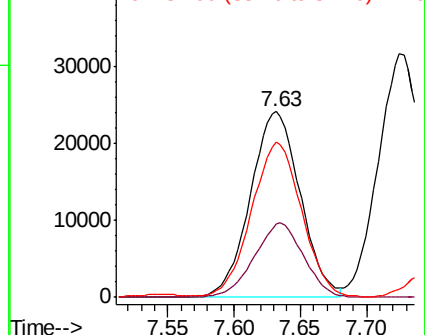
56 100

69 39.2 27.2 40.8

84 82.6 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: 17.490 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

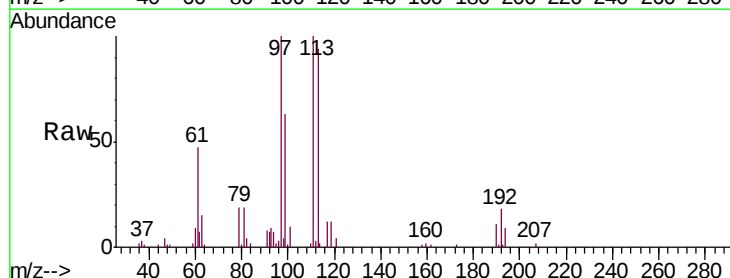
Tgt Ion: 97 Resp: 63017

Ion Ratio Lower Upper

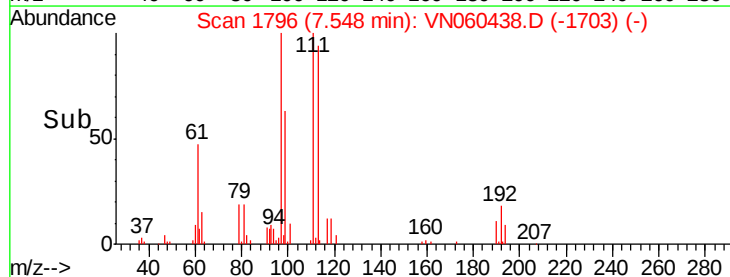
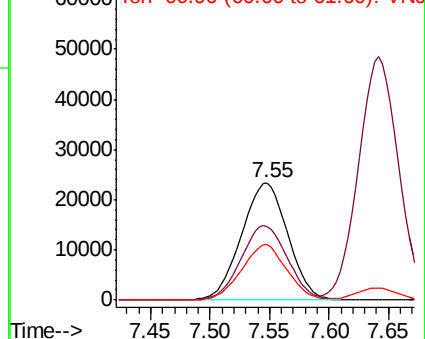
97 100

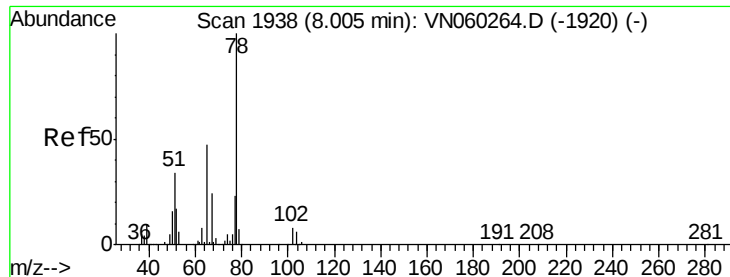
99 63.7 51.4 77.0

61 46.2 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

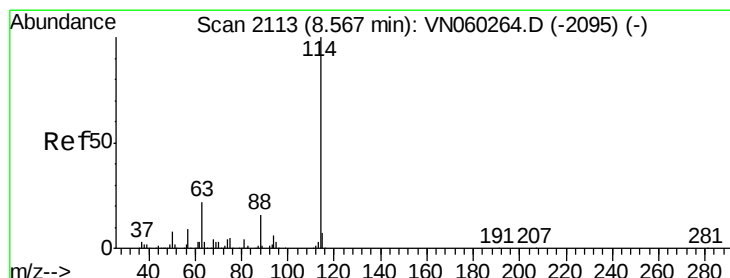
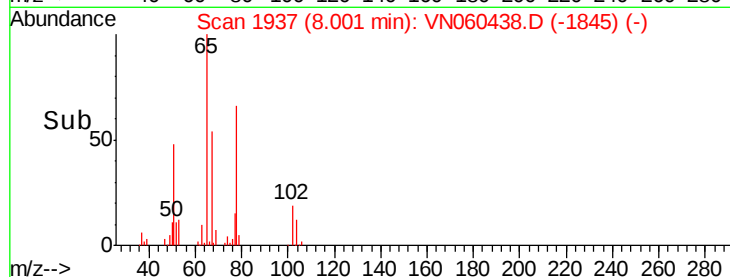
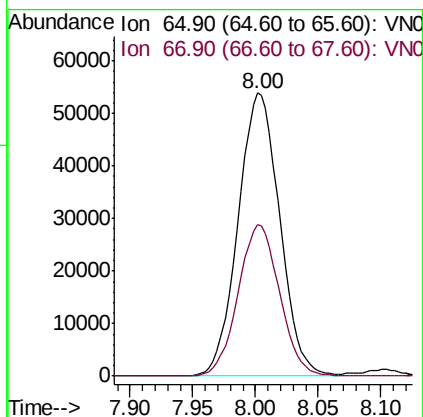
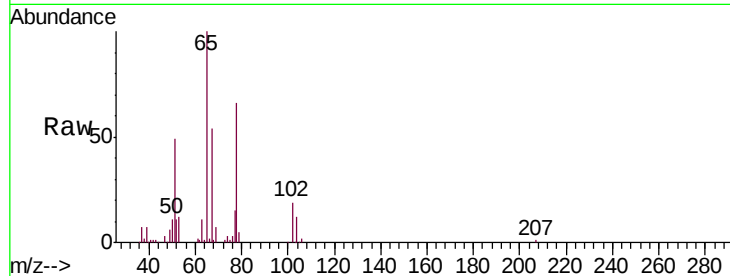




#33
 1,2-Dichloroethane-d4
 Concen: 48.207 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

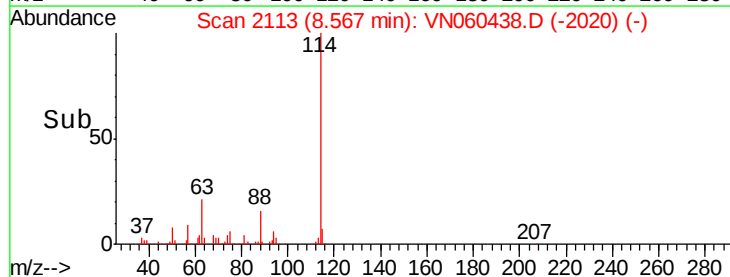
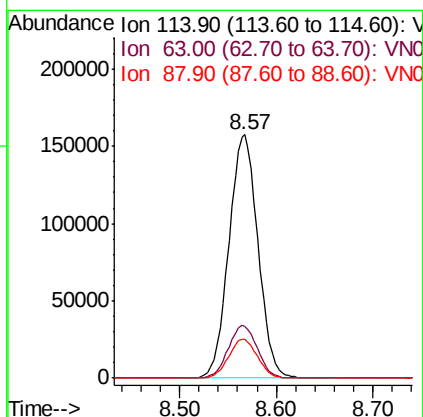
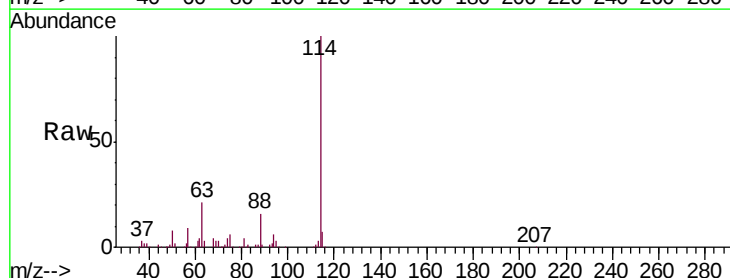
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

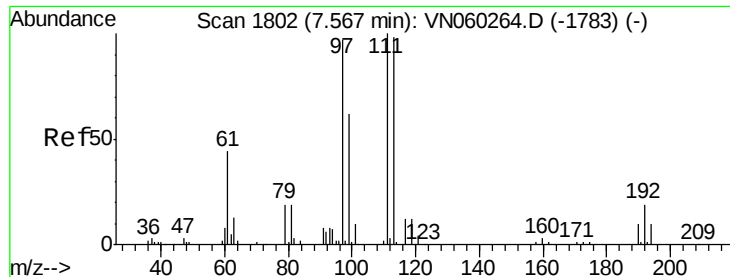
Tgt Ion: 65 Resp: 124401
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 114 Resp: 327936
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 15.8 0.0 31.6

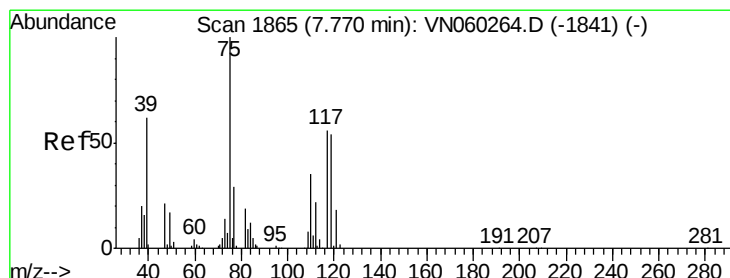
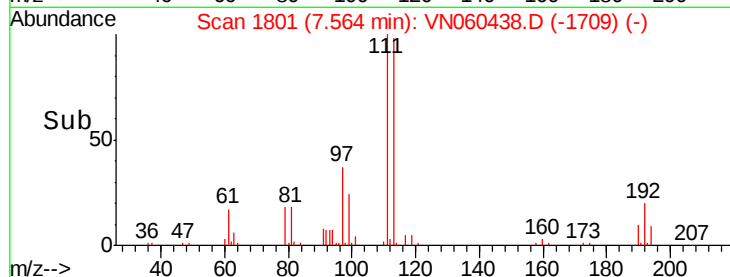
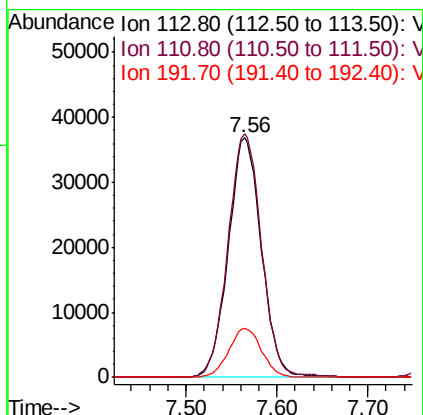
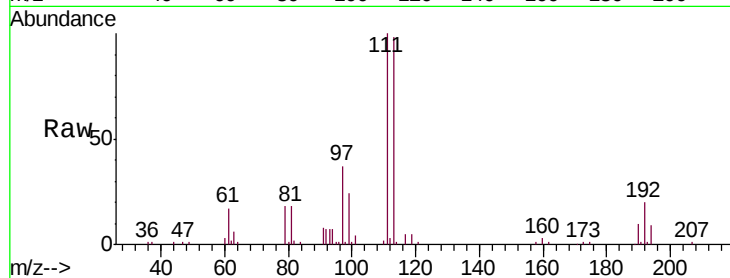




#35
 Dibromofluoromethane
 Concen: 61.066 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

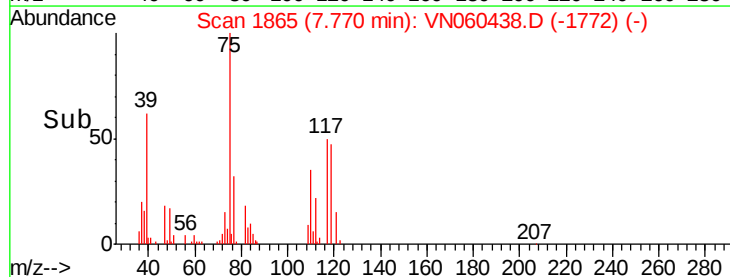
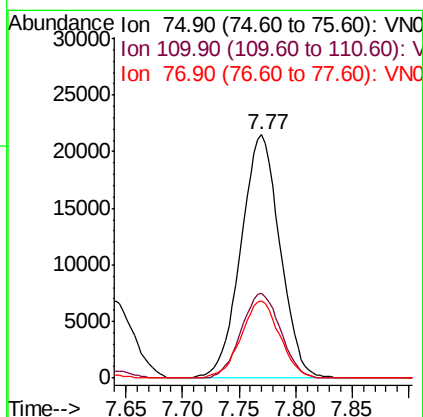
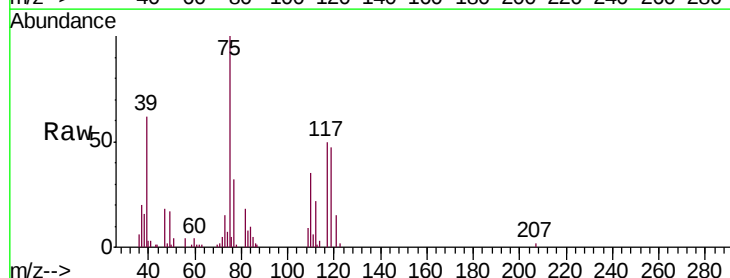
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

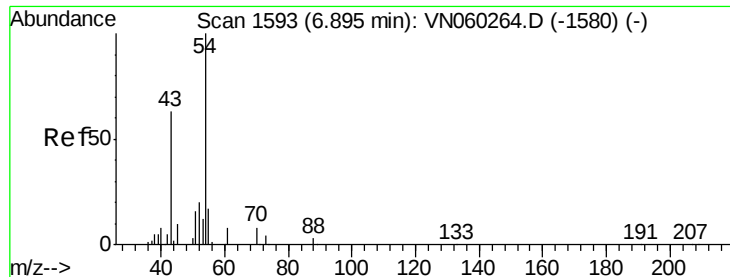
Tgt Ion: 113 Resp: 92953
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.4 123.6
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 16.537 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 75 Resp: 51685
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.3 52.0
 77 31.4 24.2 36.2

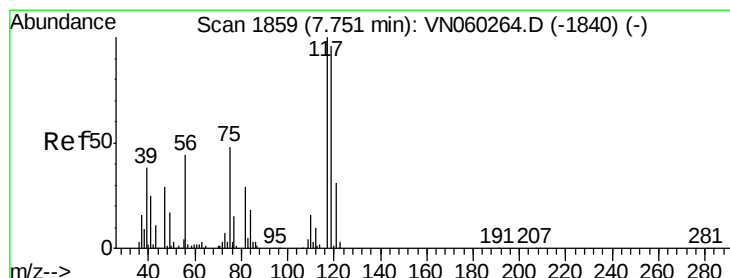
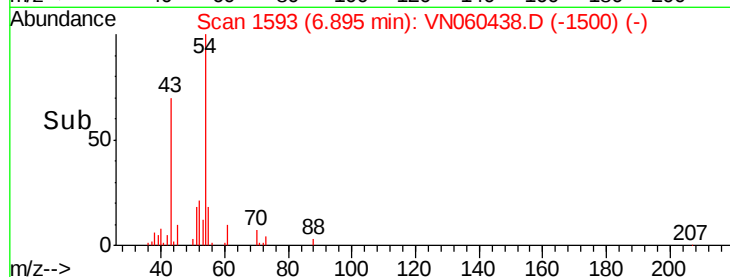
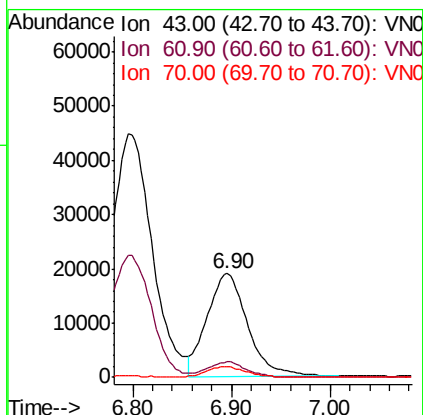
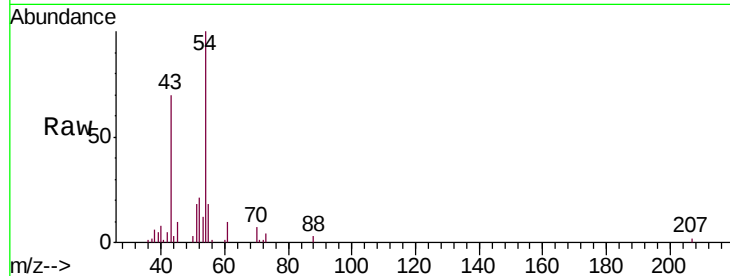




#37
 Ethyl Acetate
 Concen: 18.525 ug/l
 RT: 6.90 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

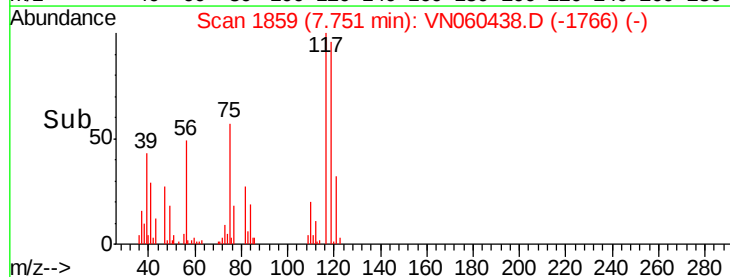
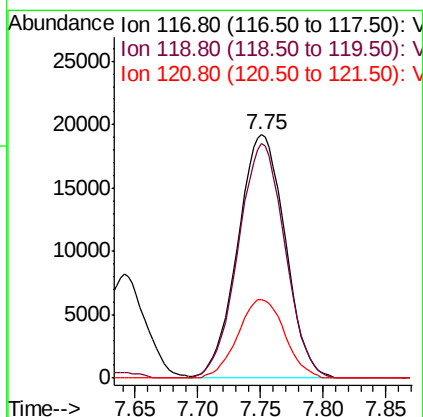
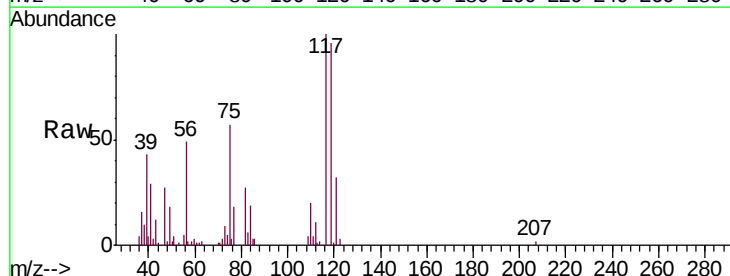
Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBS01

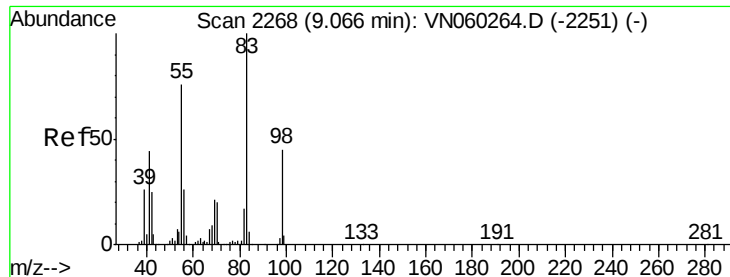
Tgt Ion: 43 Resp: 54821
 Ion Ratio Lower Upper
 43 100
 61 14.3 11.1 16.7
 70 9.8 8.4 12.6



#38
 Carbon Tetrachloride
 Concen: 16.601 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 117 Resp: 50517
 Ion Ratio Lower Upper
 117 100
 119 96.2 76.7 115.1
 121 32.2 24.5 36.7

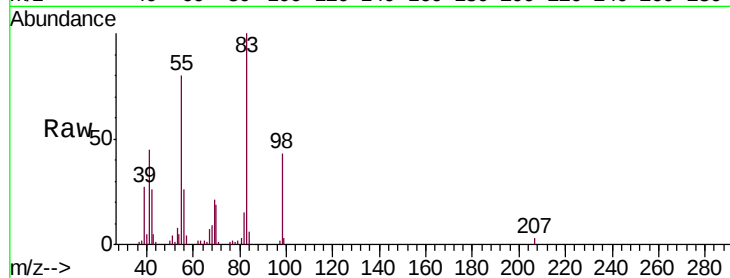




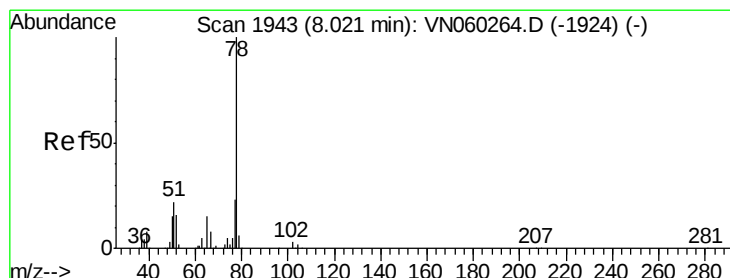
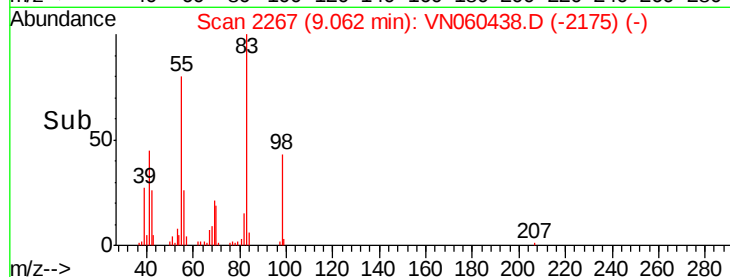
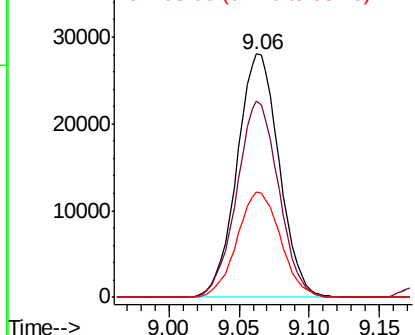
#39
Methylcyclohexane
Concen: 15.897 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tgt Ion: 83 Resp: 58579
Ion Ratio Lower Upper
83 100
55 80.5 61.0 91.4
98 43.2 36.1 54.1

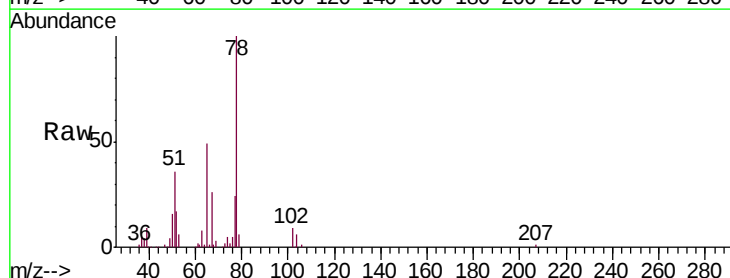


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

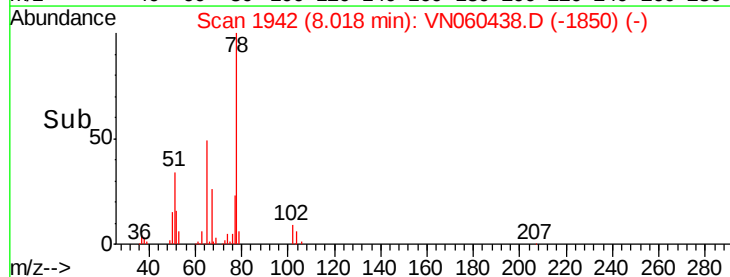
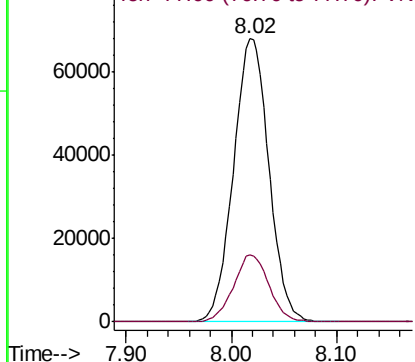


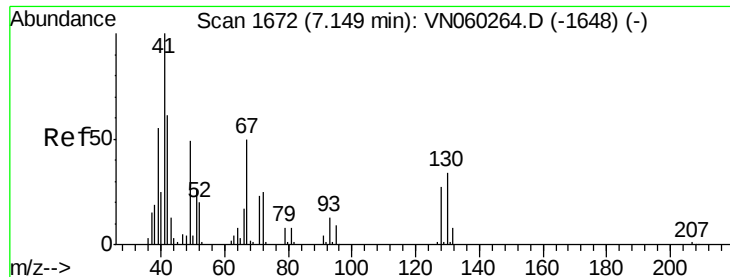
#40
Benzene
Concen: 17.409 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 78 Resp: 158367
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

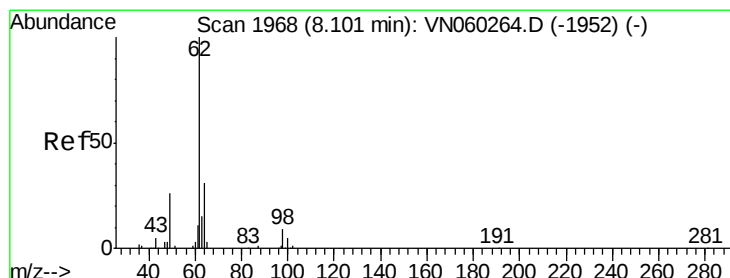
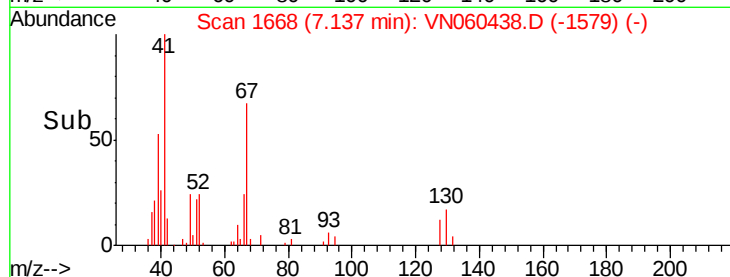
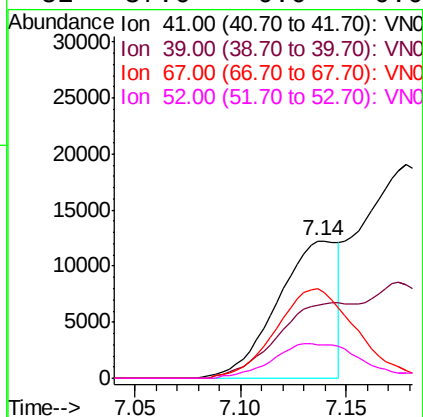
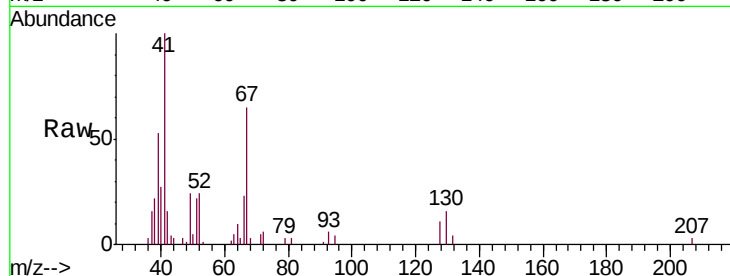




#41
Methacrylonitrile
Concen: 17.906 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

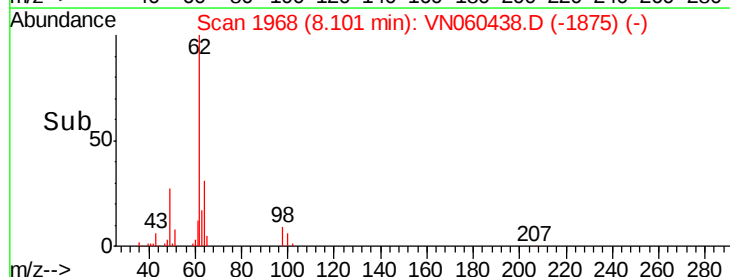
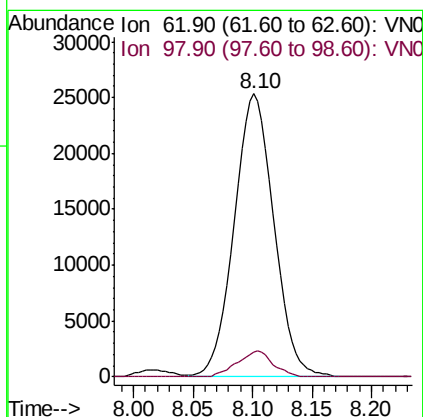
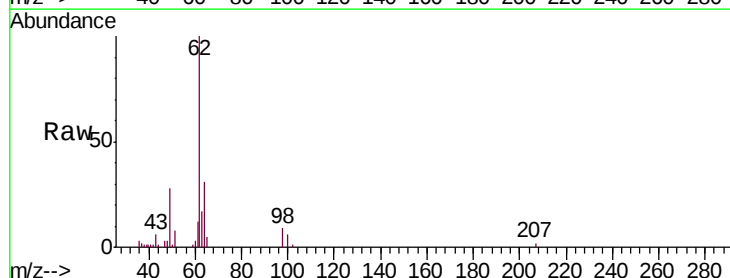
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

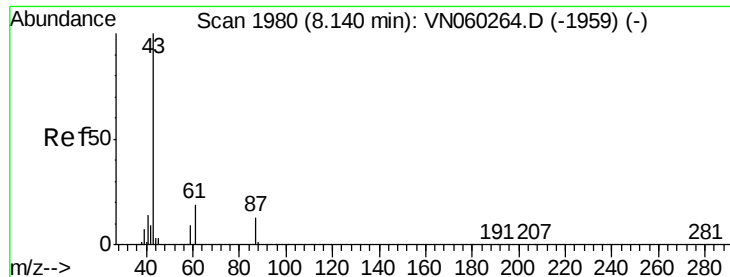
Tgt Ion:	41	Resp:	24468
Ion	Ratio	Lower	Upper
41	100		
39	65.5	0.0	0.0#
67	86.7	0.0	0.0#
52	37.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 17.827 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion:	62	Resp:	58518
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.664 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

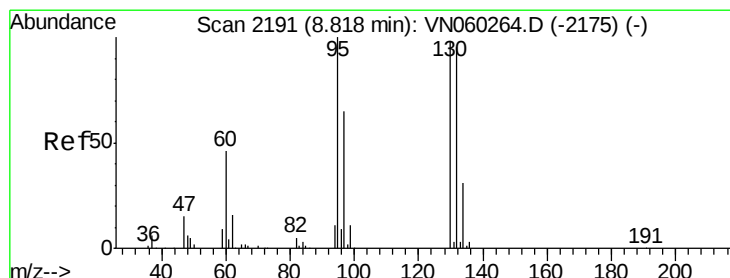
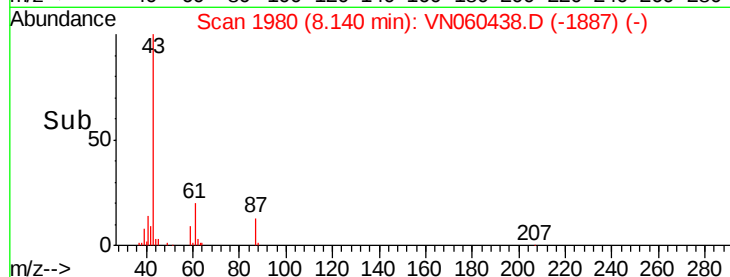
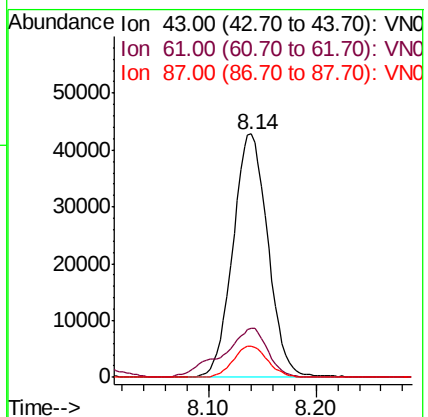
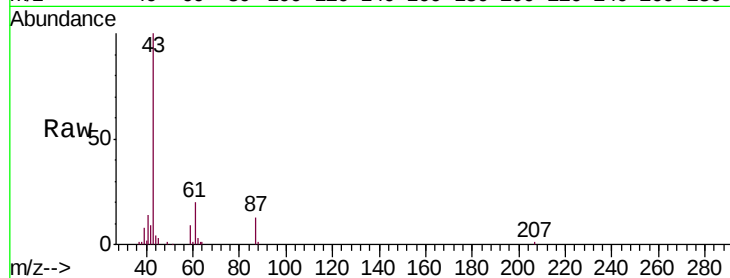
Tgt Ion: 43 Resp: 96694

Ion Ratio Lower Upper

43 100

61 26.0 20.9 31.3

87 12.6 10.6 16.0



#44

Trichloroethene

Concen: 16.816 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060438.D

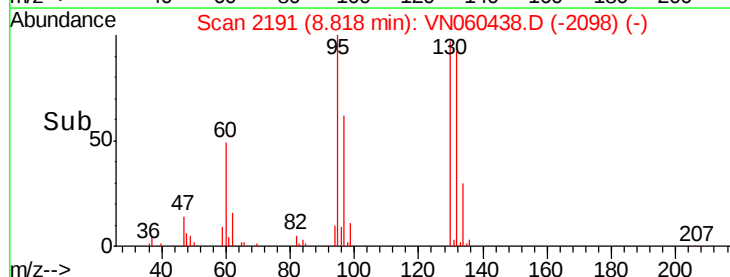
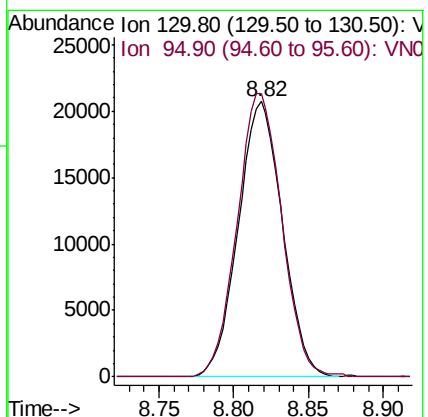
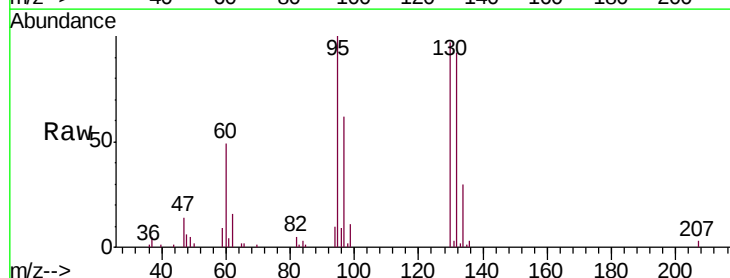
Acq: 11 Mar 2020 10:29

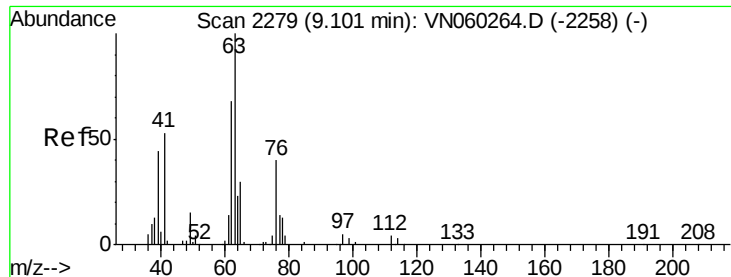
Tgt Ion: 130 Resp: 42603

Ion Ratio Lower Upper

130 100

95 102.9 0.0 203.4

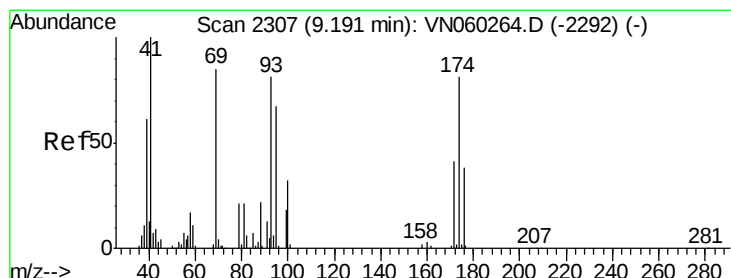
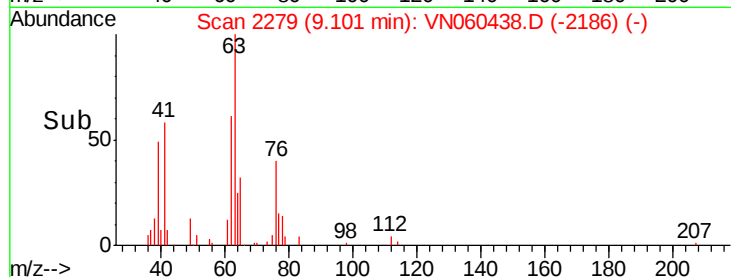
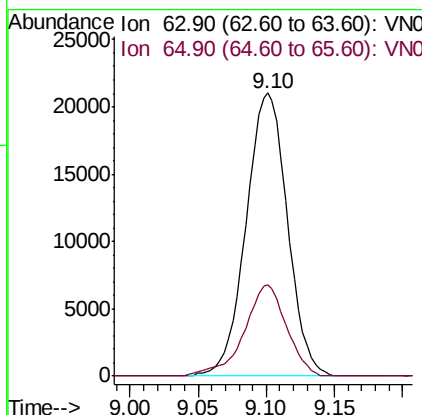
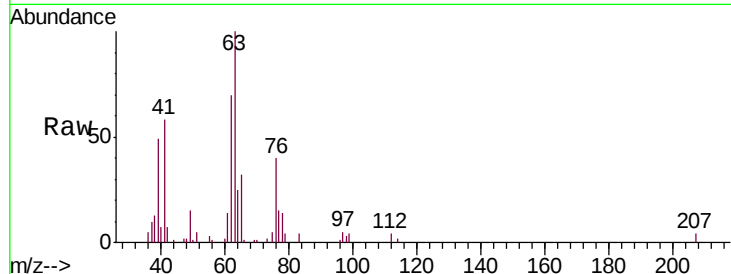




#45
 1,2-Dichloropropane
 Concen: 18.591 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

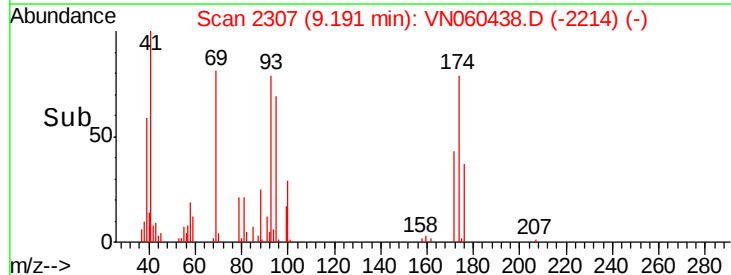
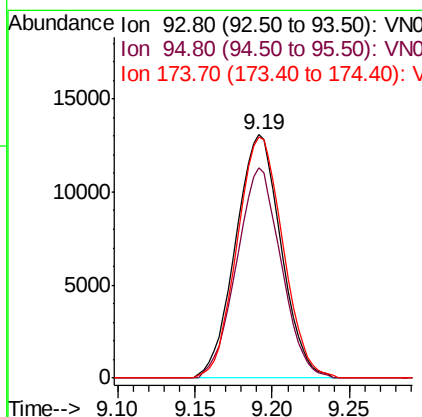
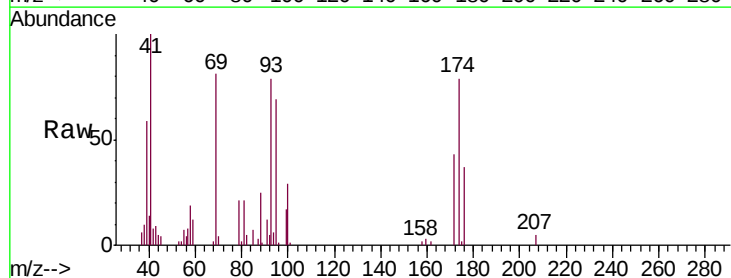
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

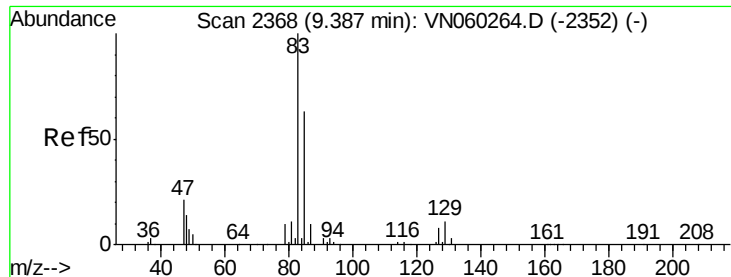
Tgt Ion: 63 Resp: 44216
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.4 36.6



#46
 Dibromomethane
 Concen: 17.367 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 93 Resp: 26801
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.9 98.9
 174 99.7 79.6 119.4





#47

Bromodichloromethane

Concen: 18.139 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

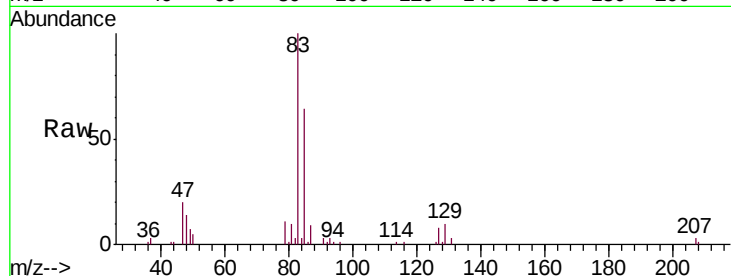
Tgt Ion: 83 Resp: 56932

Ion Ratio Lower Upper

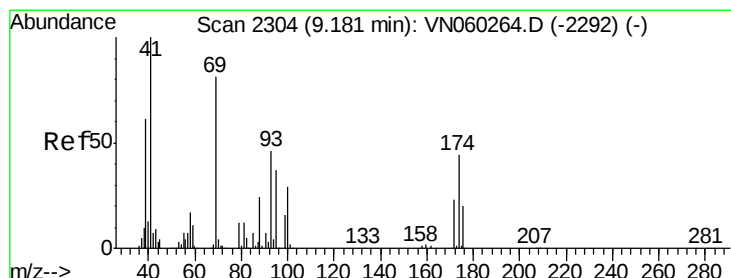
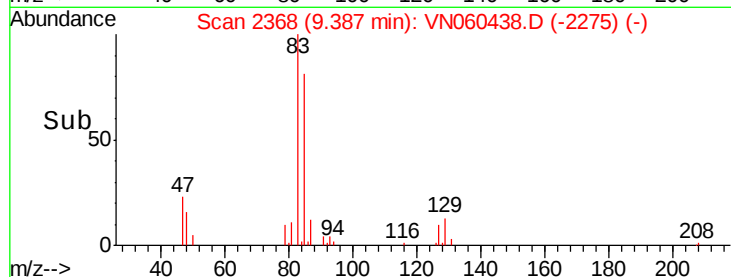
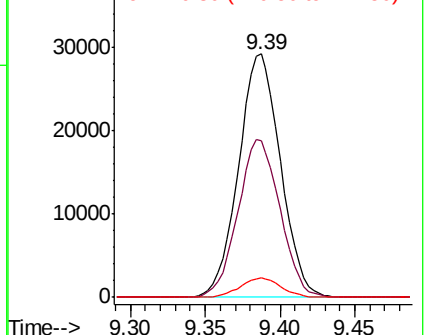
83 100

85 64.1 50.7 76.1

127 7.8 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: 17.319 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

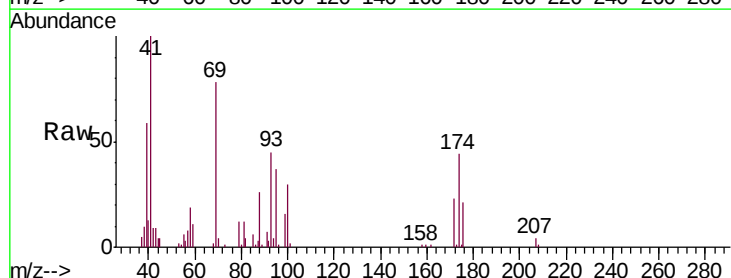
Tgt Ion: 41 Resp: 40917

Ion Ratio Lower Upper

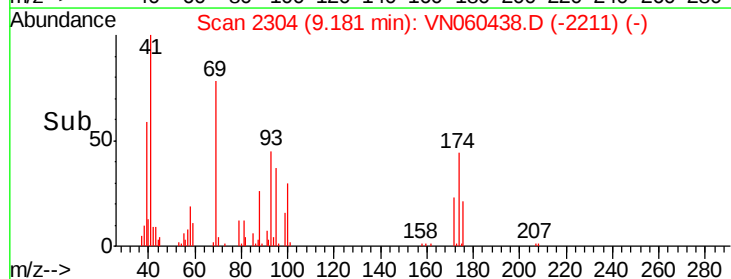
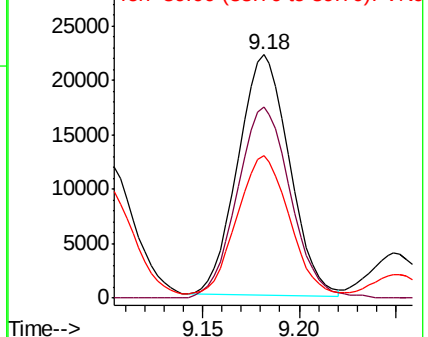
41 100

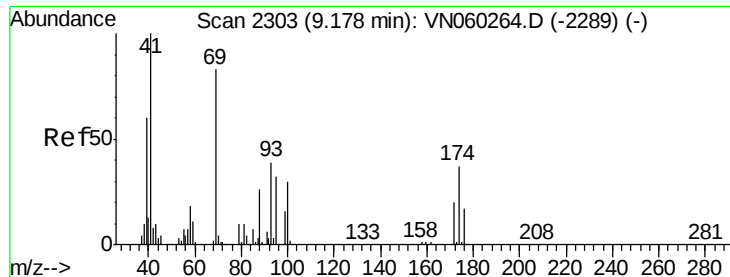
69 82.6 66.7 100.1

39 61.6 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

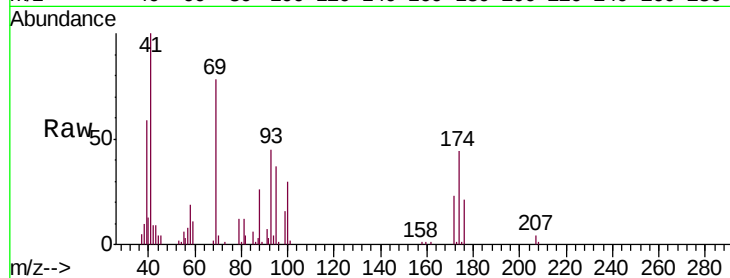




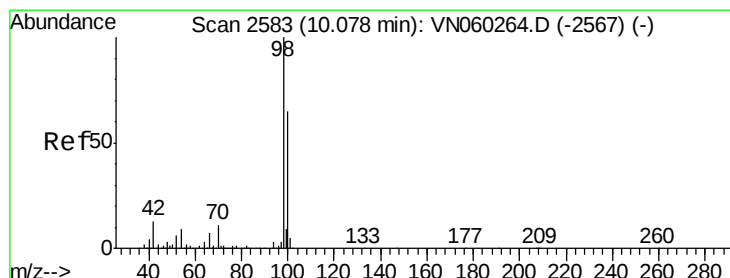
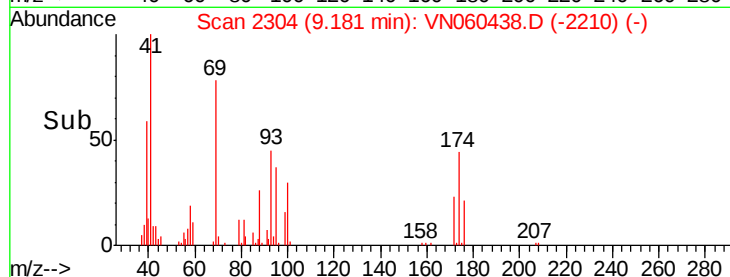
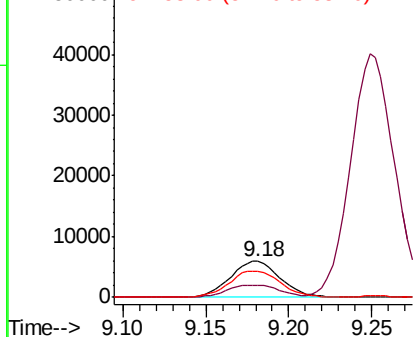
#49
1,4-Dioxane
Concen: 372.565 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tgt Ion: 88 Resp: 12378
Ion Ratio Lower Upper
88 100
43 36.5 30.4 45.6
58 74.2 57.0 85.6

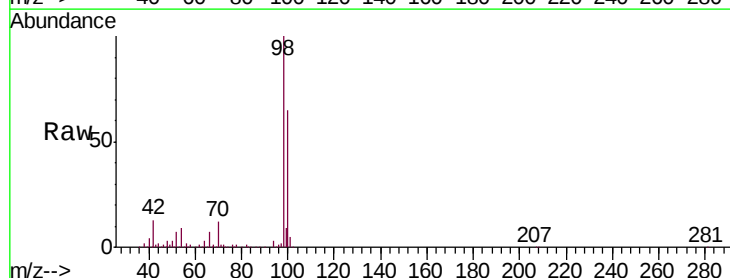


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

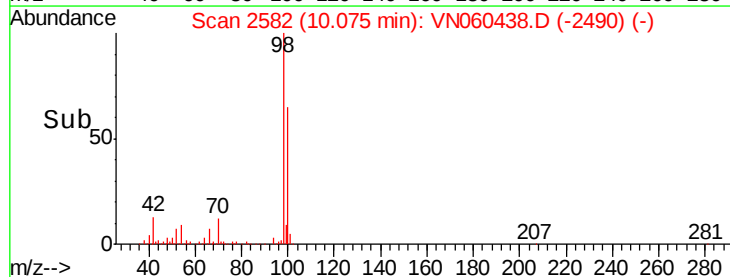
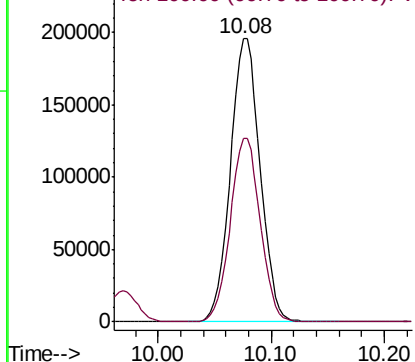


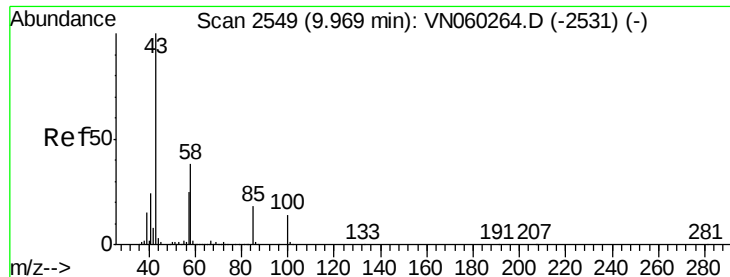
#50
Toluene-d8
Concen: 46.501 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 98 Resp: 358239
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



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

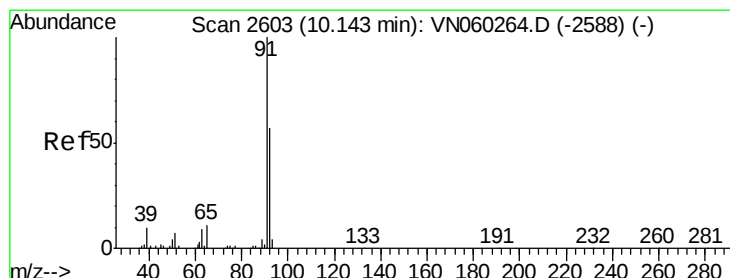
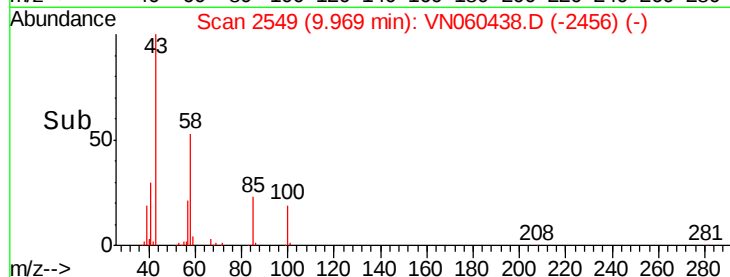
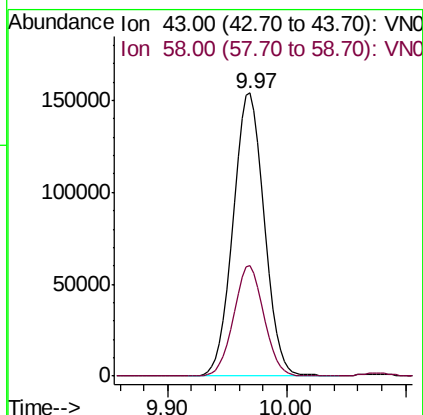
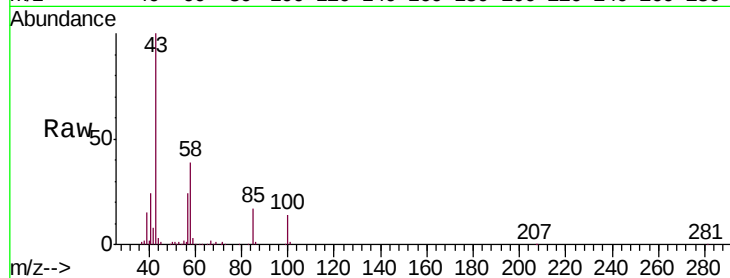




#51
 4-Methyl-2-Pentanone
 Concen: 95.341 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

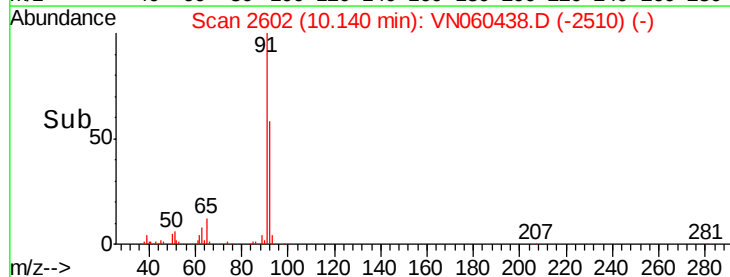
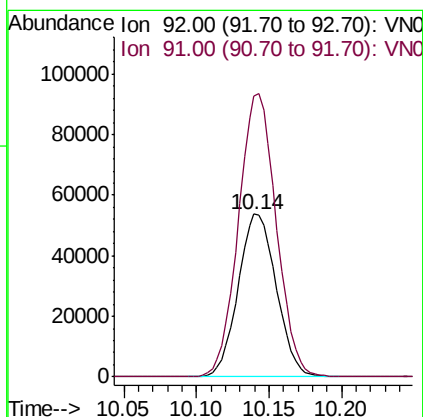
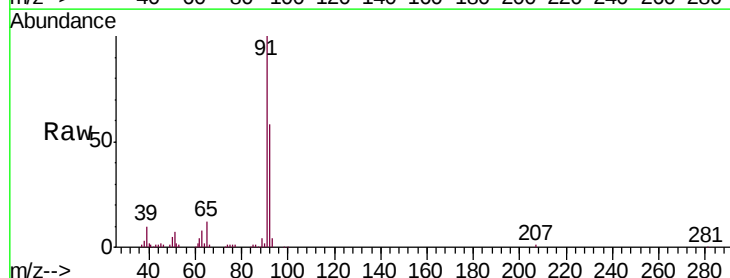
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

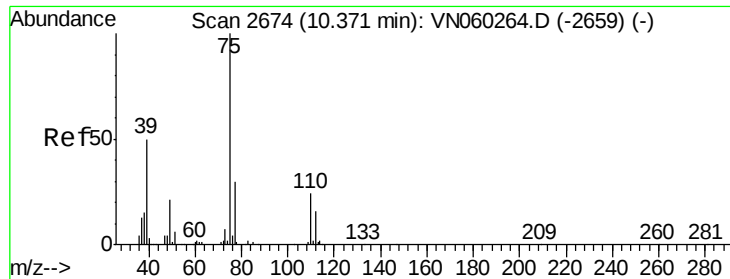
Tgt Ion: 43 Resp: 280060
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.9 46.3



#52
 Toluene
 Concen: 17.259 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 92 Resp: 98620
 Ion Ratio Lower Upper
 92 100
 91 172.3 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 17.143 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

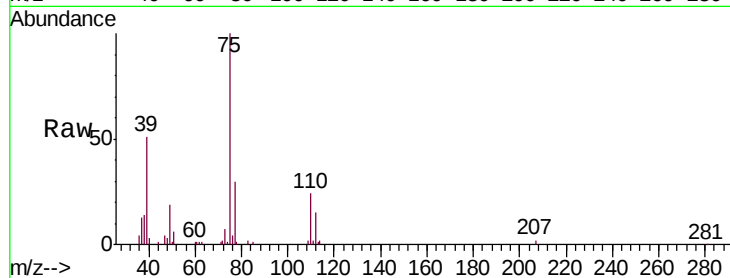
VN0311WBS01

Tgt Ion: 75 Resp: 65930

Ion Ratio Lower Upper

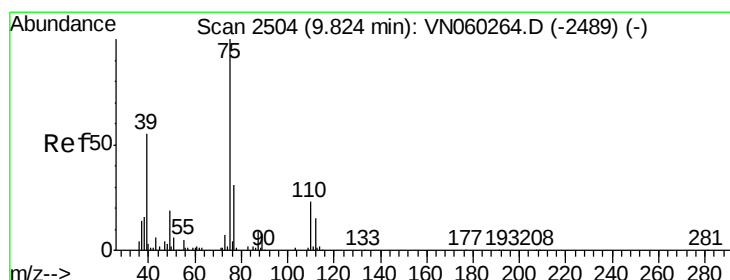
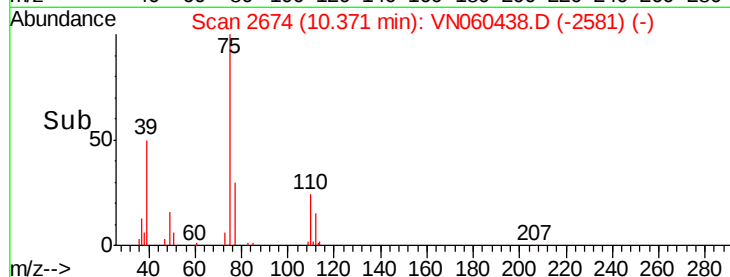
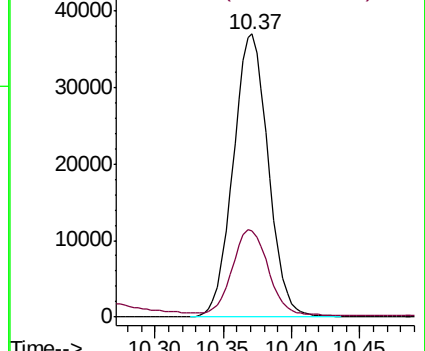
75 100

77 29.5 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.695 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

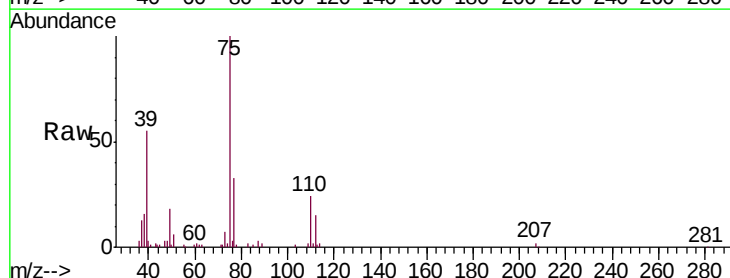
Tgt Ion: 75 Resp: 70517

Ion Ratio Lower Upper

75 100

77 32.7 24.8 37.2

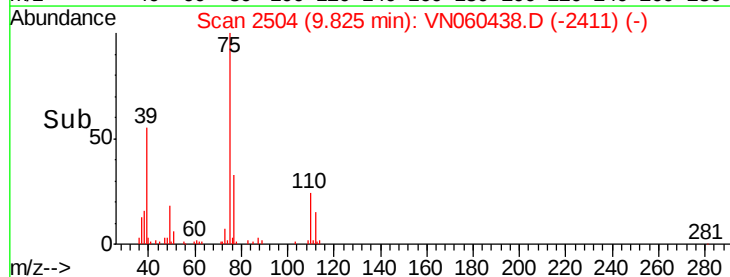
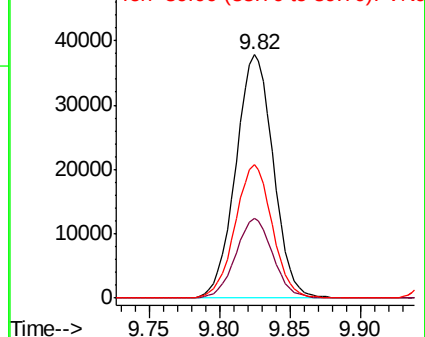
39 54.7 43.8 65.8

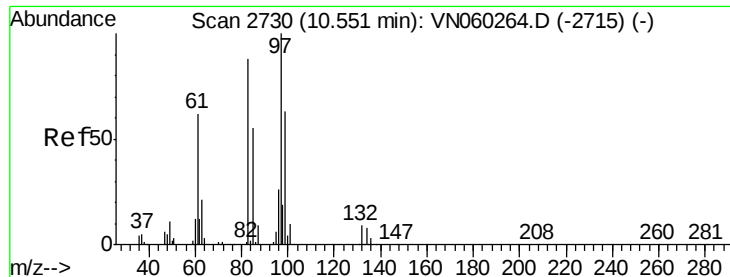


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

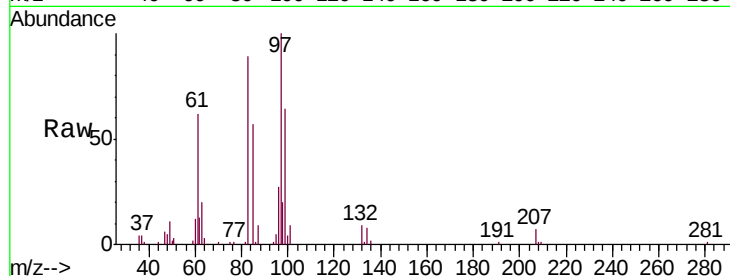




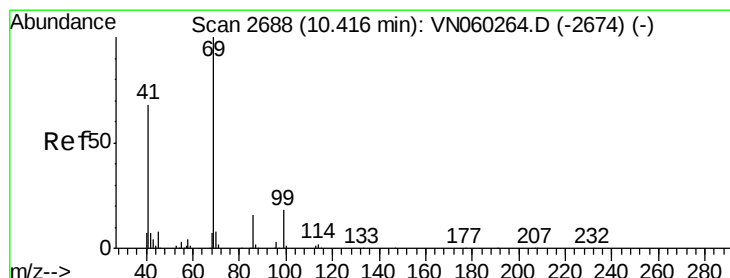
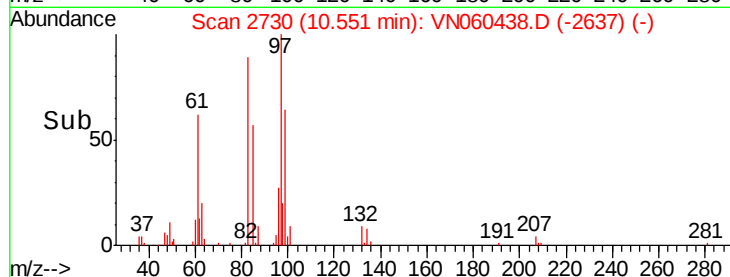
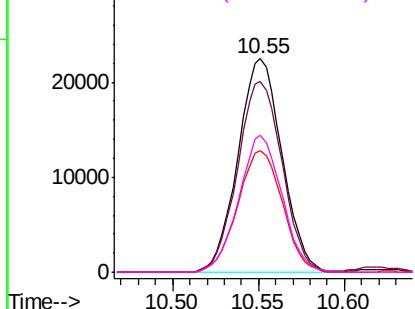
#55
 1,1,2-Trichloroethane
 Concen: 17.341 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tgt Ion:	97	Resp:	39847
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.0	105.0
85	57.0	44.0	66.0
99	64.3	50.4	75.6

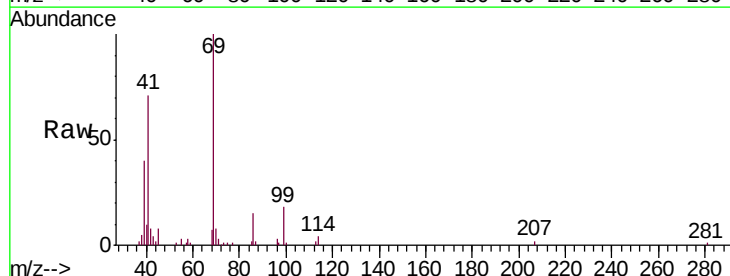


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

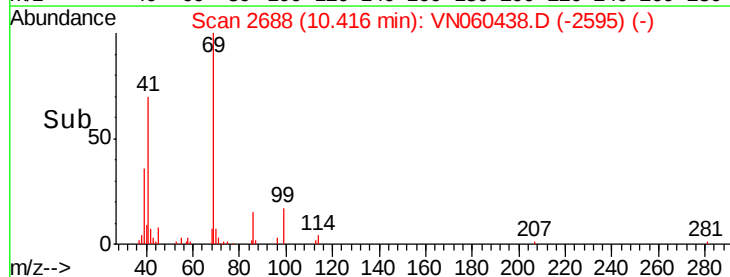
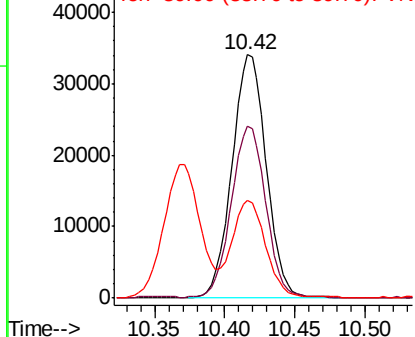


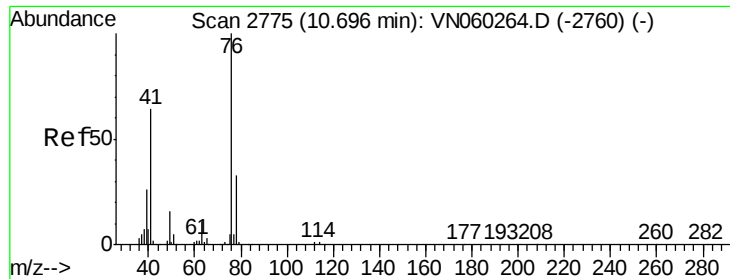
#56
 Ethyl methacrylate
 Concen: 17.610 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion:	69	Resp:	58135
Ion	Ratio	Lower	Upper
69	100		
41	71.3	54.1	81.1
39	39.4	32.5	48.7



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





#57

1,3-Dichloropropane

Concen: 18.105 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

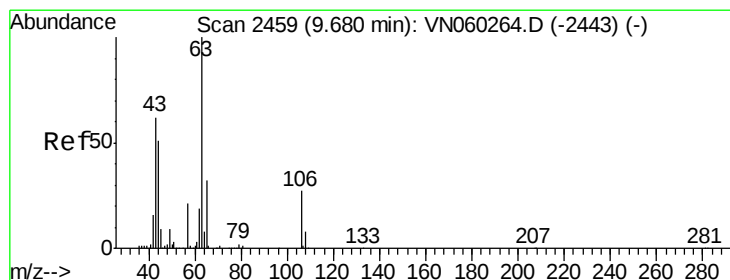
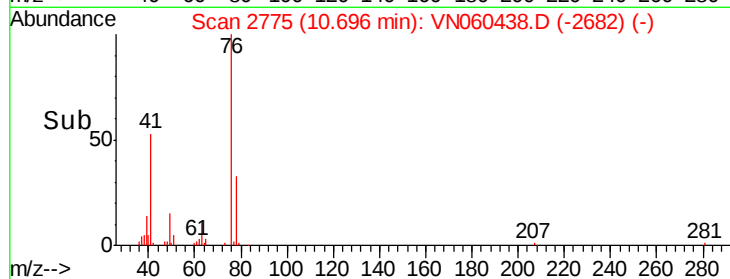
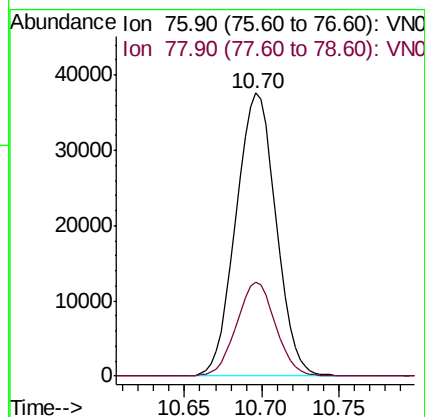
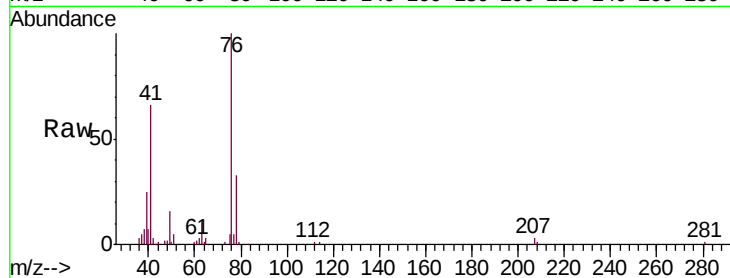
VN0311WBS01

Tgt Ion: 76 Resp: 67849

Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 90.915 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060438.D

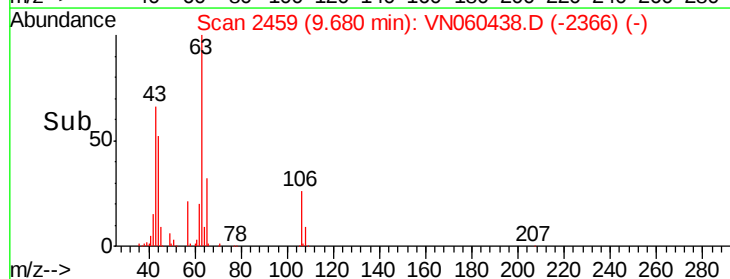
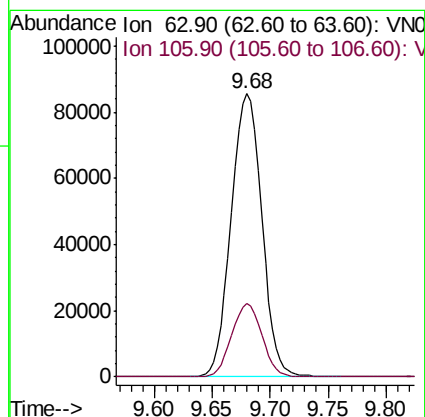
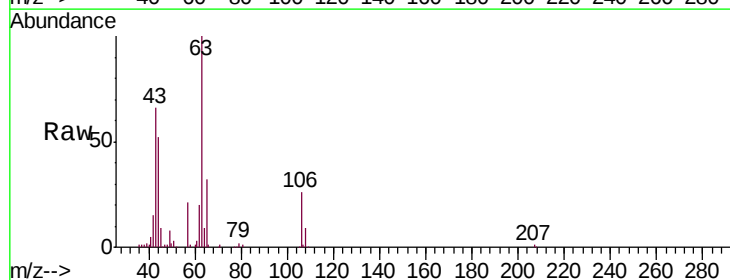
Acq: 11 Mar 2020 10:29

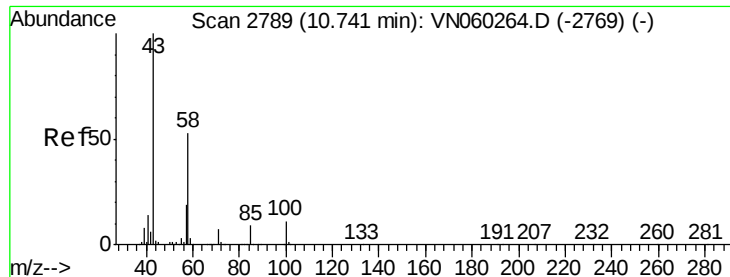
Tgt Ion: 63 Resp: 156974

Ion Ratio Lower Upper

63 100

106 25.6 21.1 31.7

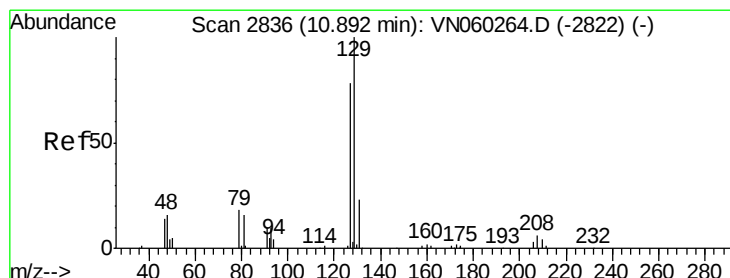
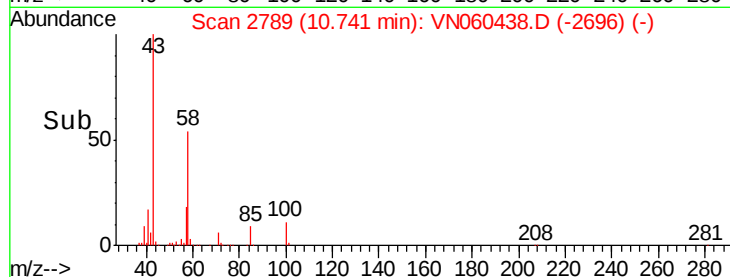
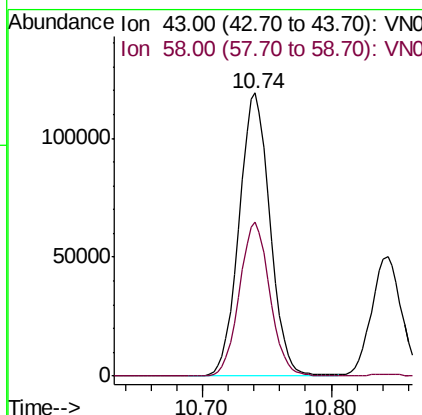
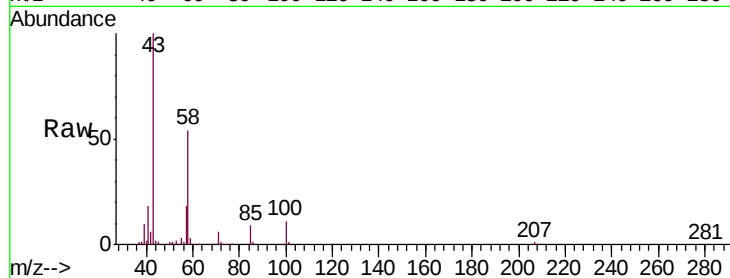




#59
2-Hexanone
Concen: 92.224 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

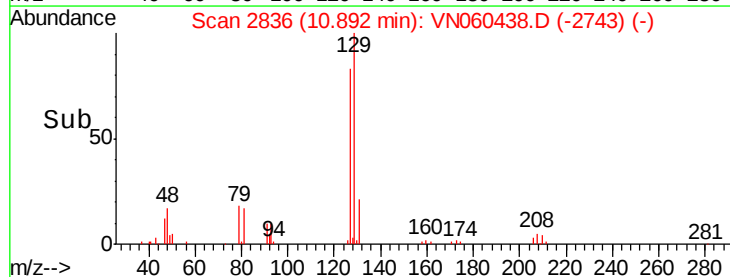
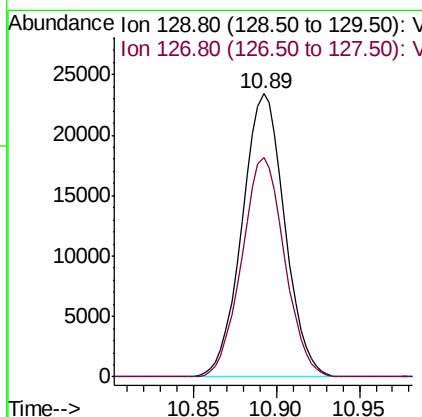
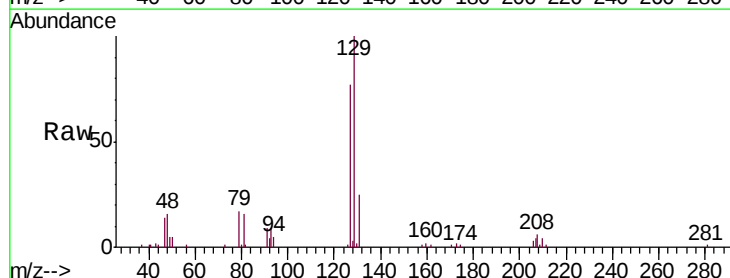
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

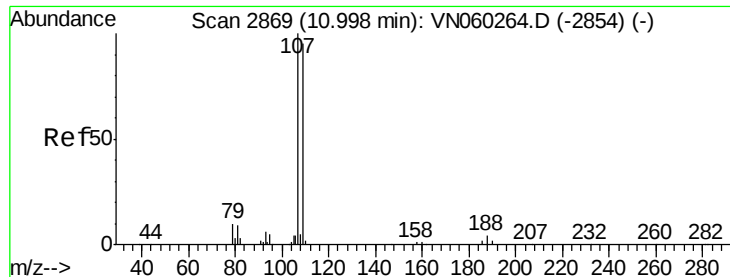
Tgt Ion: 43 Resp: 198904
Ion Ratio Lower Upper
43 100
58 53.5 26.5 79.5



#60
Dibromochloromethane
Concen: 17.903 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 129 Resp: 41838
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7

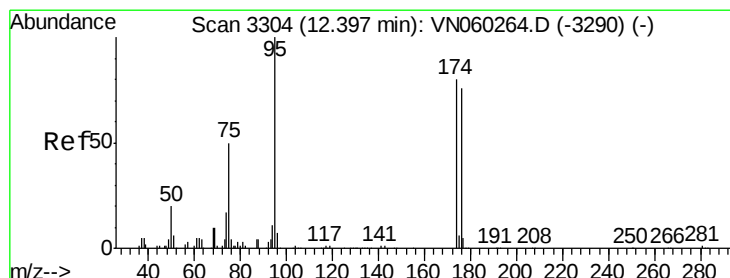
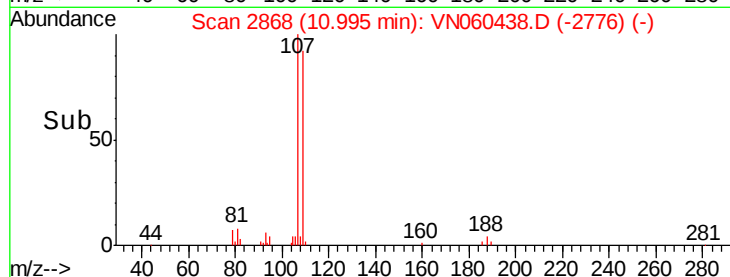
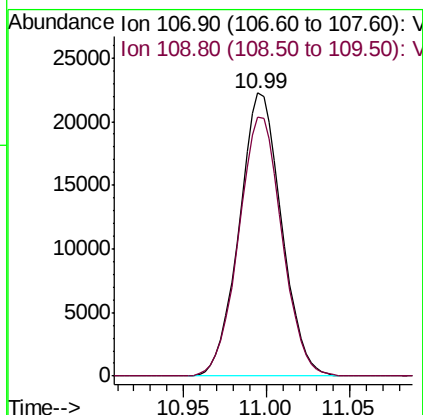
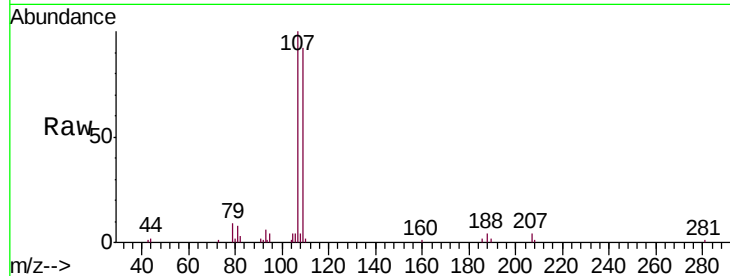




#61
 1,2-Dibromoethane
 Concen: 17.612 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

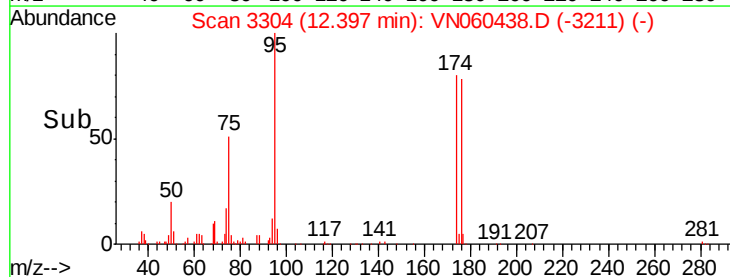
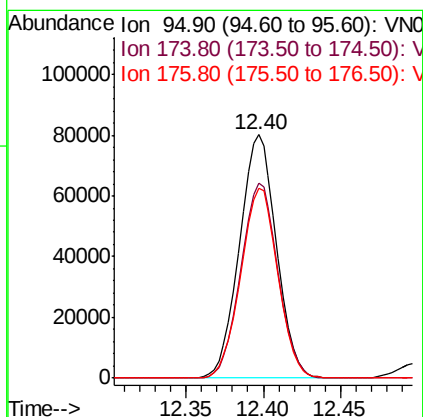
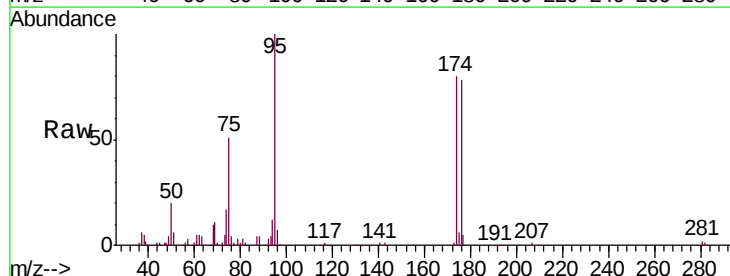
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

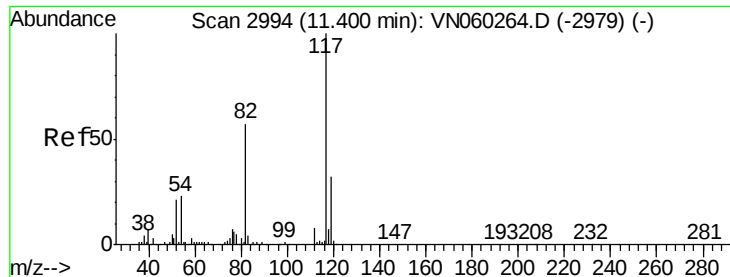
Tgt Ion: 107 Resp: 39452
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 45.567 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 95 Resp: 133072
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 159.2
 176 78.5 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

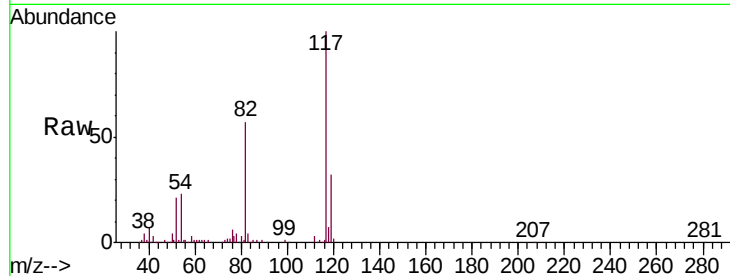
Tgt Ion:117 Resp: 299311

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.6

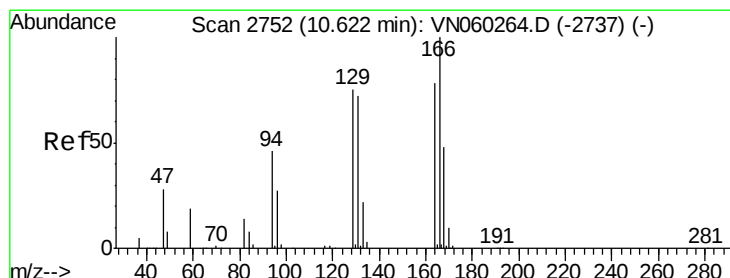
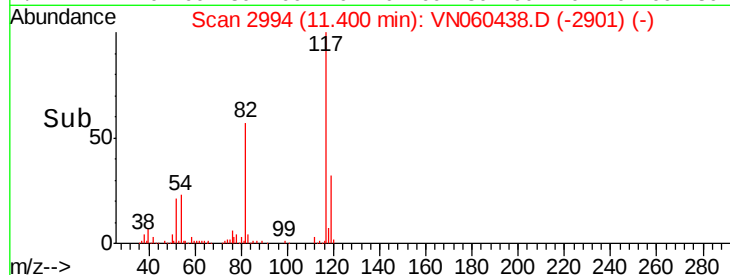
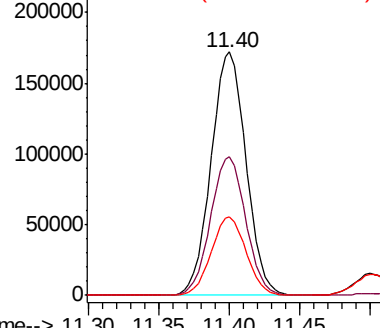
119 32.0 25.8 38.8



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: 17.577 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion:164 Resp: 43583

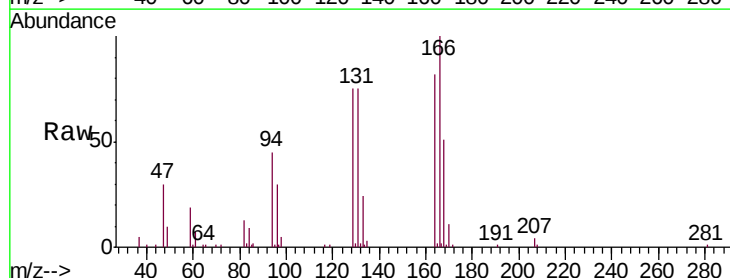
Ion Ratio Lower Upper

164 100

166 121.4 102.0 153.0

129 91.0 76.4 114.6

131 91.0 73.6 110.4

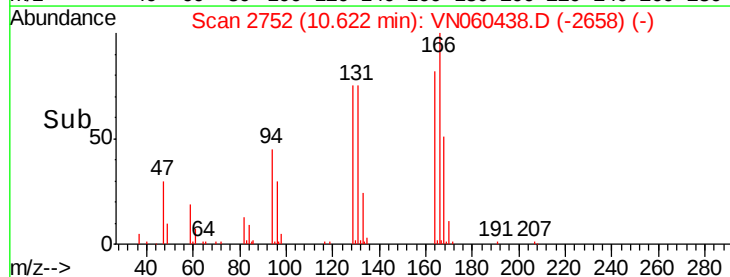
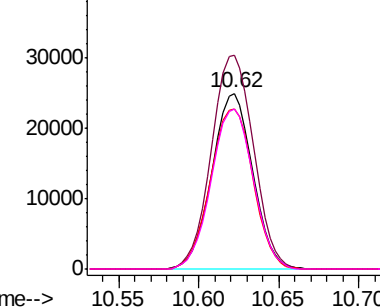


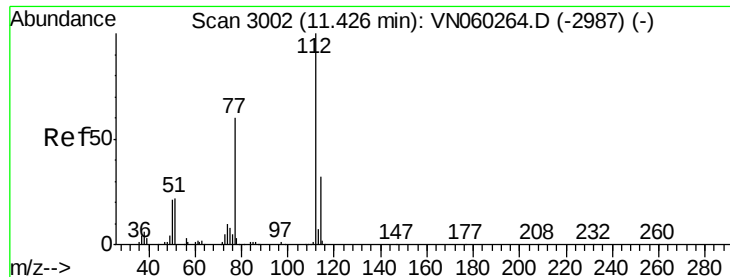
Abundance Ion 163.80 (163.50 to 164.50): V

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: 17.008 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

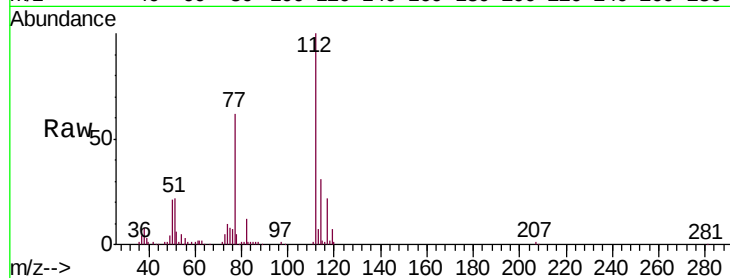
VN0311WBS01

Tgt Ion:112 Resp: 102796

Ion Ratio Lower Upper

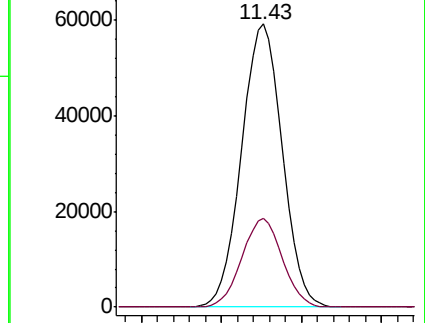
112 100

114 31.2 25.4 38.0

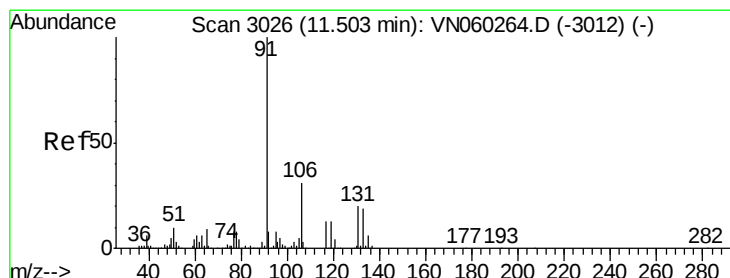
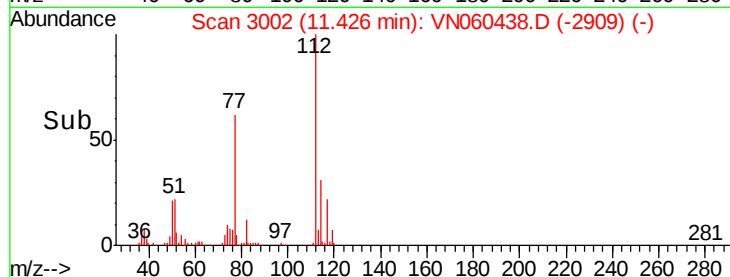


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 17.898 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

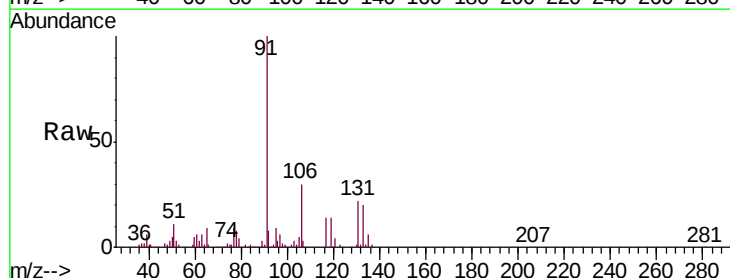
Tgt Ion:131 Resp: 39996

Ion Ratio Lower Upper

131 100

133 95.5 47.7 143.1

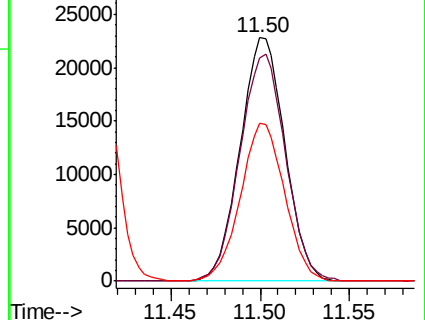
119 64.1 33.2 99.6



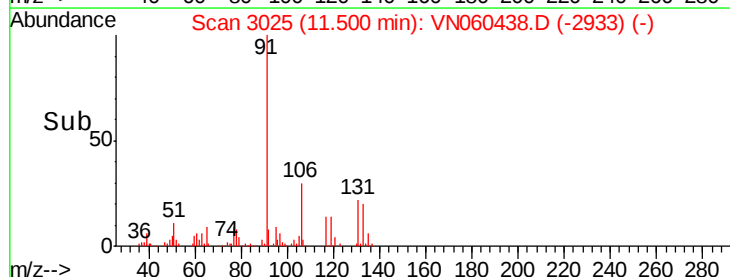
Abundance Ion 130.80 (130.50 to 131.50): V

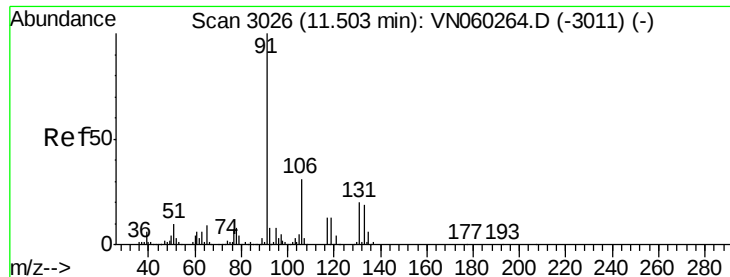
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->

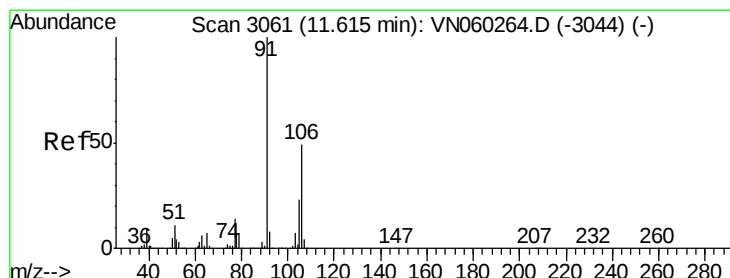
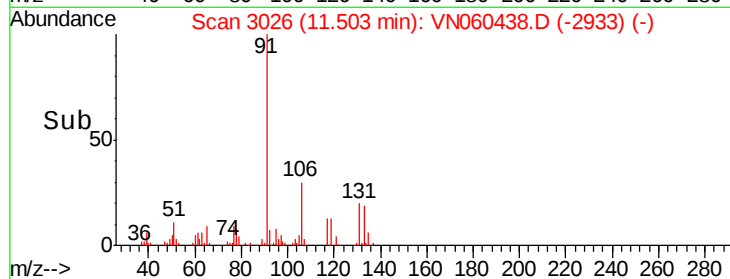
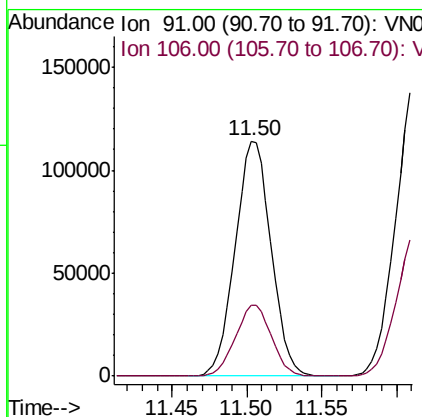
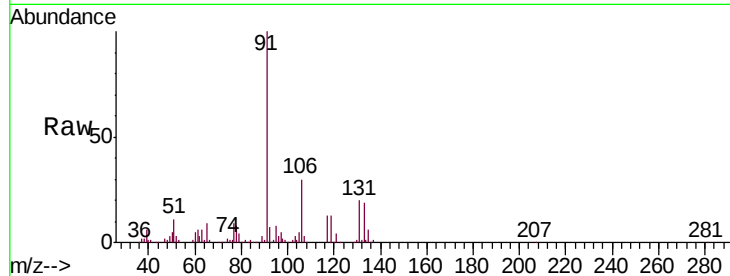




#67
Ethyl Benzene
Concen: 17.318 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

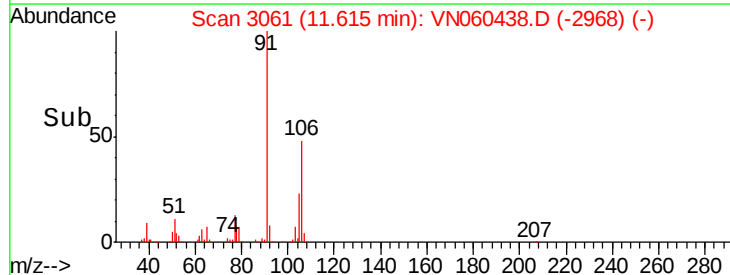
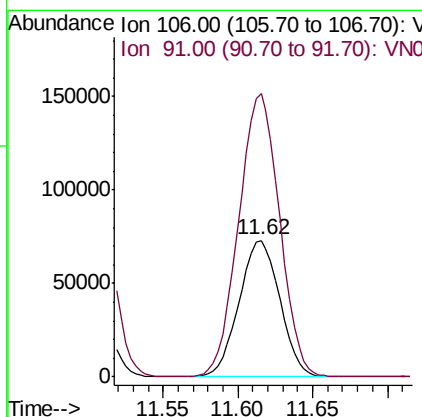
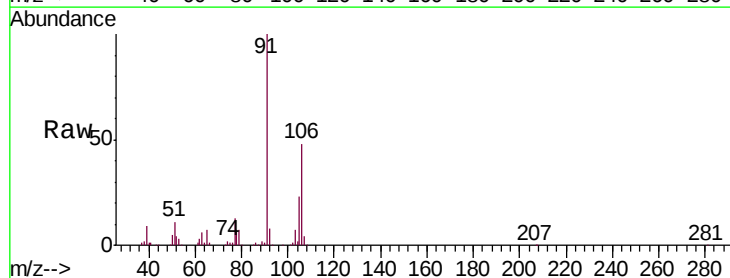
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

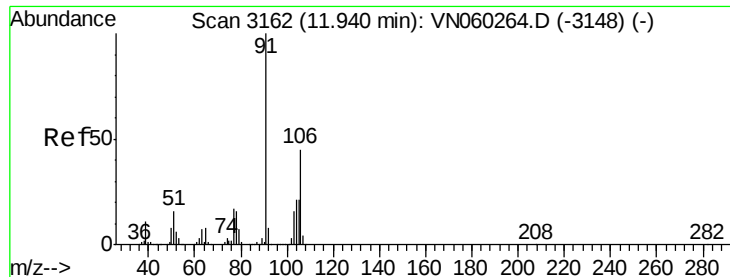
Tgt Ion: 91 Resp: 190603
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1



#68
m/p-Xylenes
Concen: 33.379 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 106 Resp: 138609
Ion Ratio Lower Upper
106 100
91 208.3 164.5 246.7

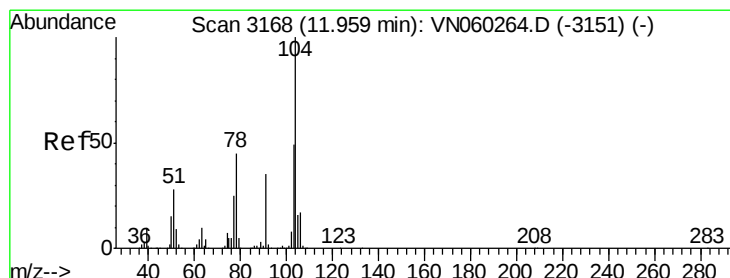
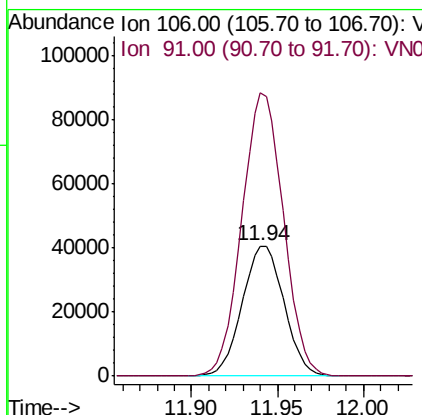
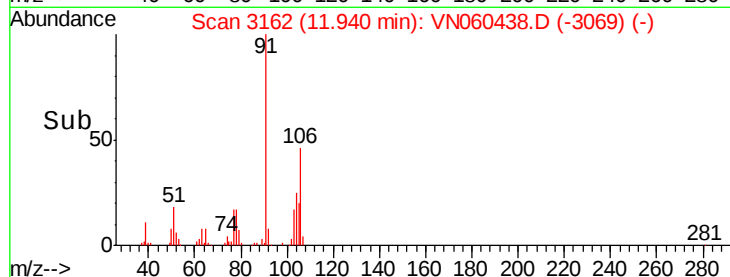
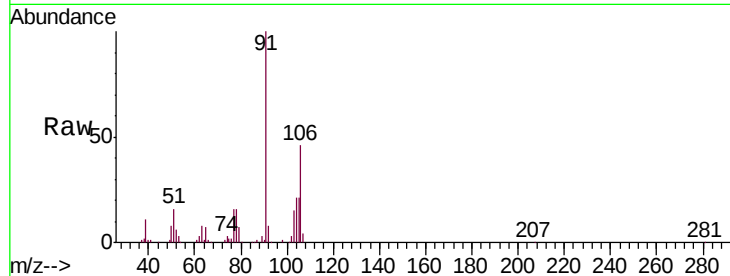




#69
o-Xylene
Concen: 17.312 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

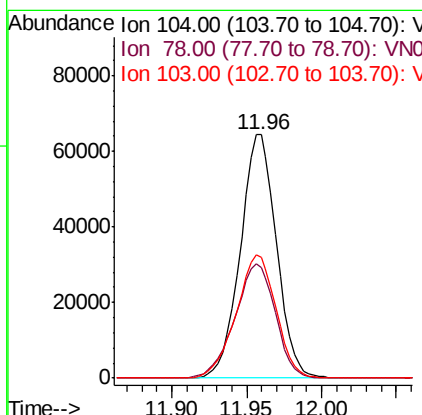
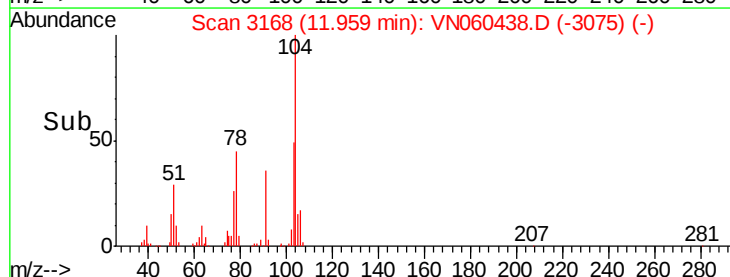
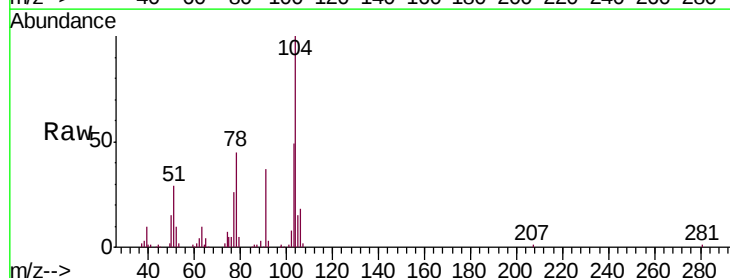
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

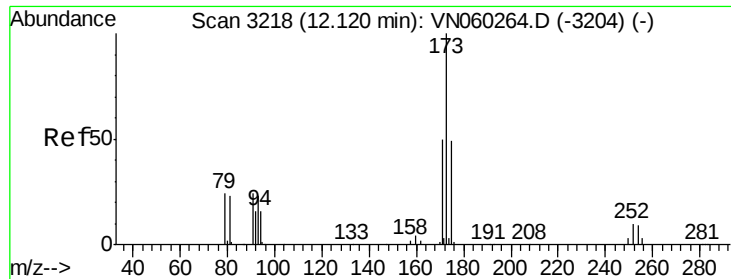
Tgt Ion:106 Resp: 68553
Ion Ratio Lower Upper
106 100
91 216.1 109.5 328.4



#70
Styrene
Concen: 16.628 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion:104 Resp: 108260
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 55.8 43.9 65.9

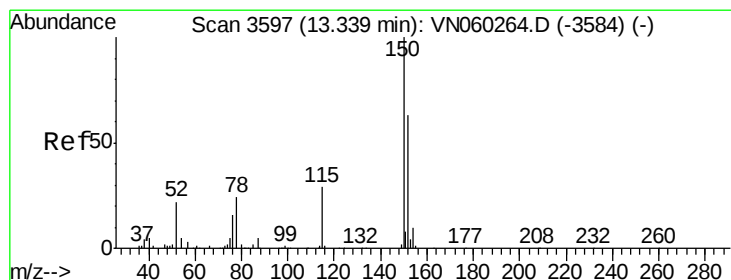
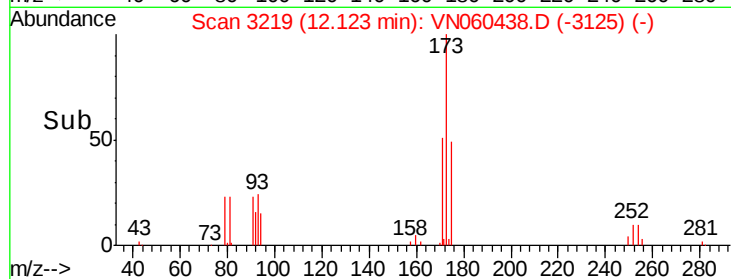
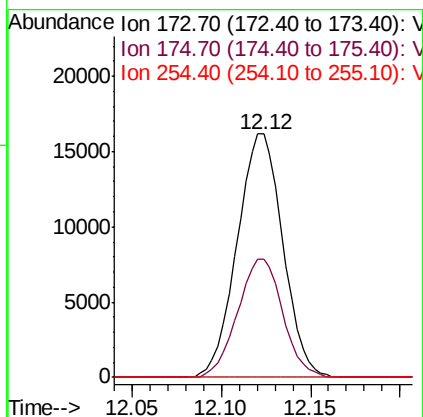
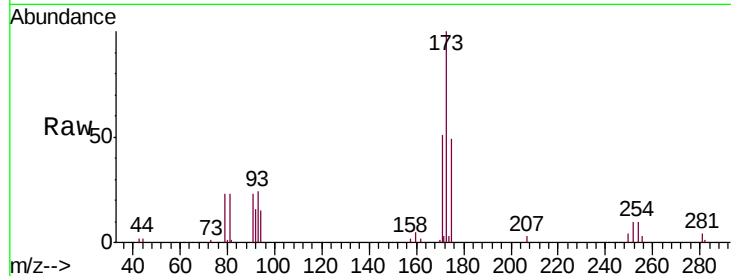




#71
Bromoform
Concen: 17.909 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

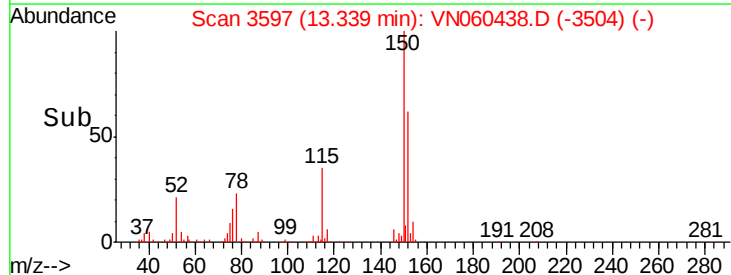
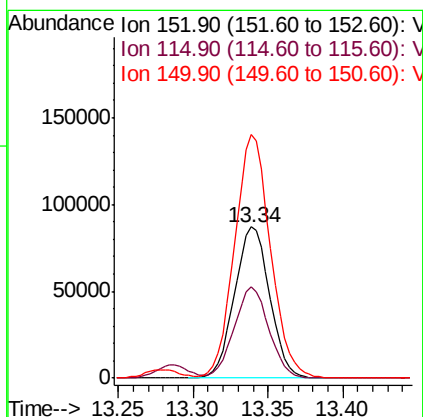
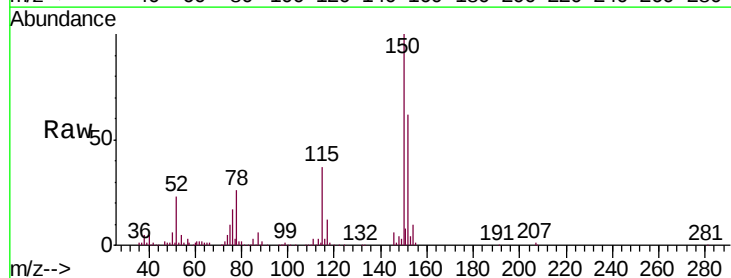
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

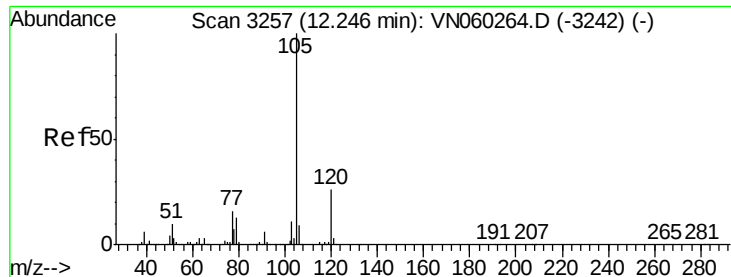
Tgt Ion:173 Resp: 28844
Ion Ratio Lower Upper
173 100
175 47.8 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion:152 Resp: 142498
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.0
150 164.1 0.0 349.6





#73

Isopropylbenzene

Concen: 17.529 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

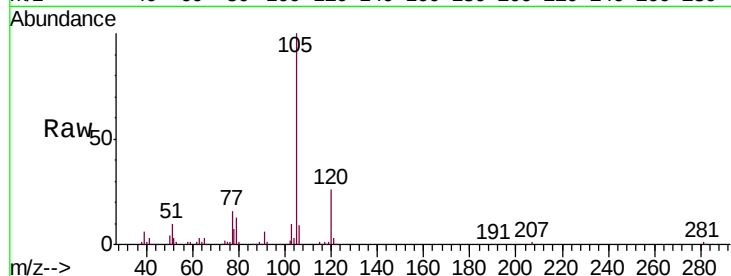
VN0311WBS01

Tgt Ion: 105 Resp: 185134

Ion Ratio Lower Upper

105 100

120 26.3 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

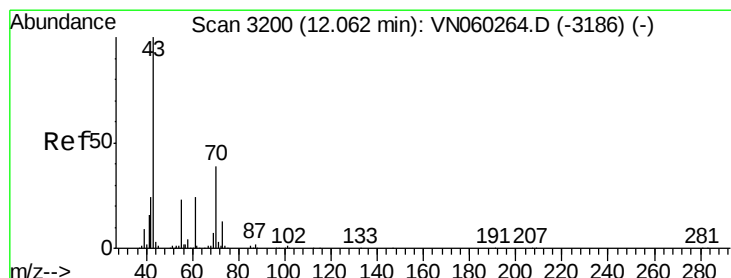
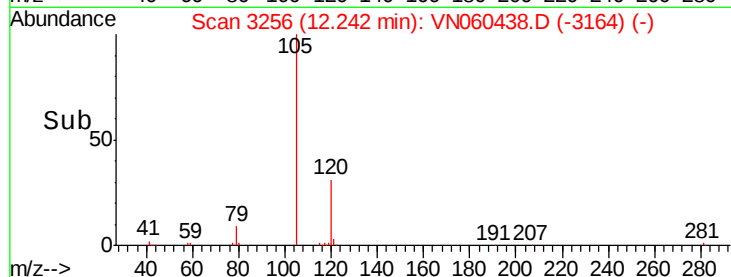
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 17.623 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion: 43 Resp: 81332

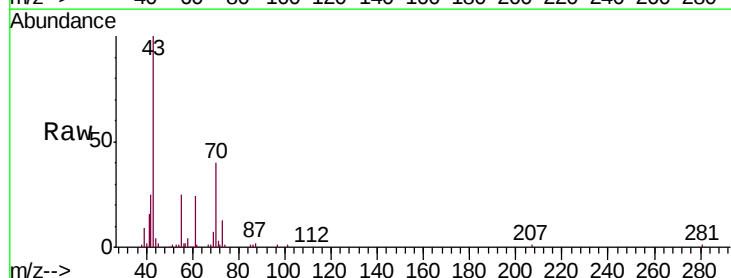
Ion Ratio Lower Upper

43 100

70 39.5 32.2 48.2

55 23.9 18.2 27.4

61 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

80000

60000

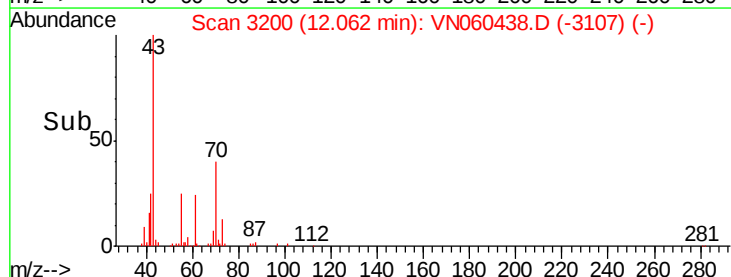
40000

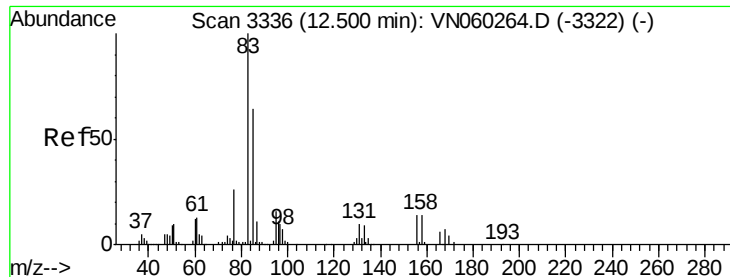
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 18.880 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

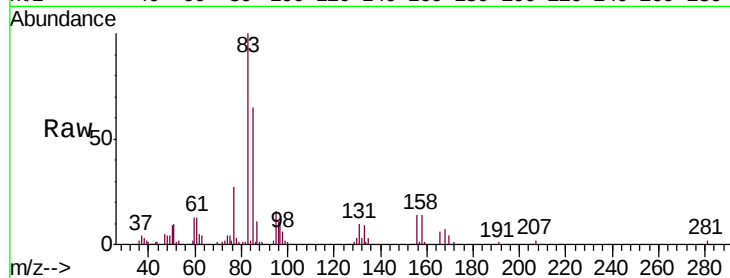
Tgt Ion: 83 Resp: 54204

Ion Ratio Lower Upper

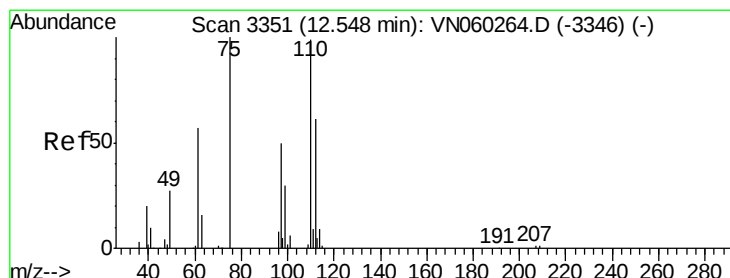
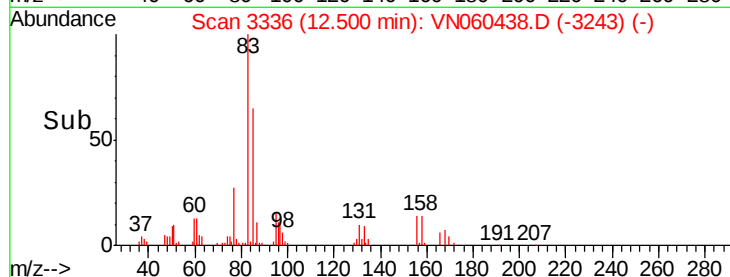
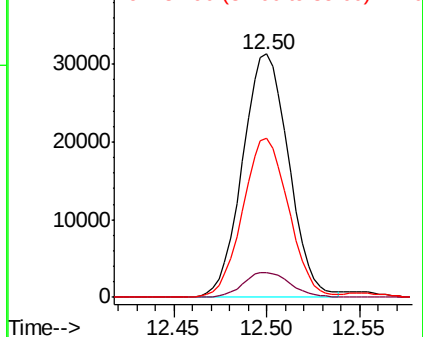
83 100

131 10.5 5.1 15.3

85 64.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 24.163 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060438.D

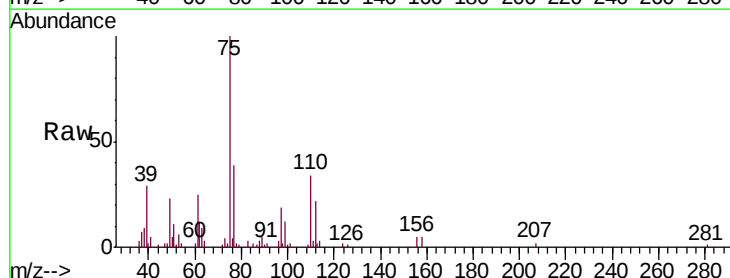
Acq: 11 Mar 2020 10:29

Tgt Ion: 75 Resp: 75545

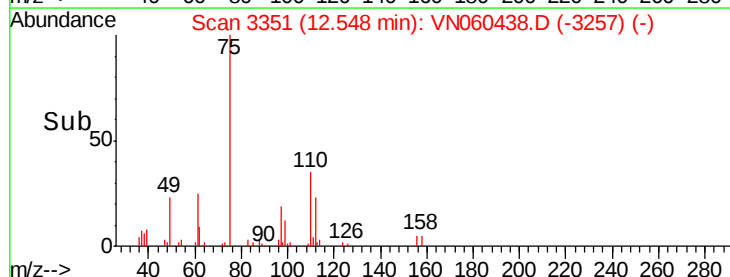
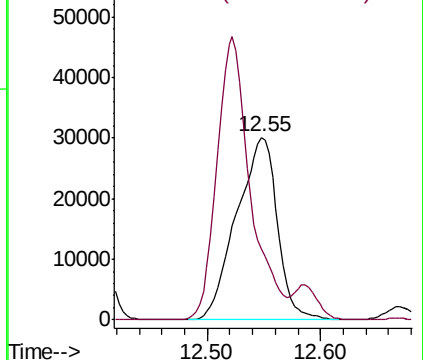
Ion Ratio Lower Upper

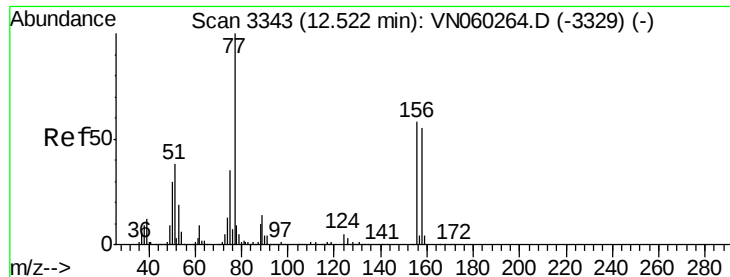
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 16.956 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

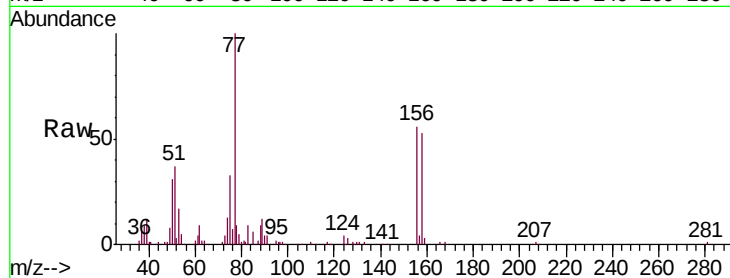
Tgt Ion:156 Resp: 43899

Ion Ratio Lower Upper

156 100

77 217.8 106.1 318.3

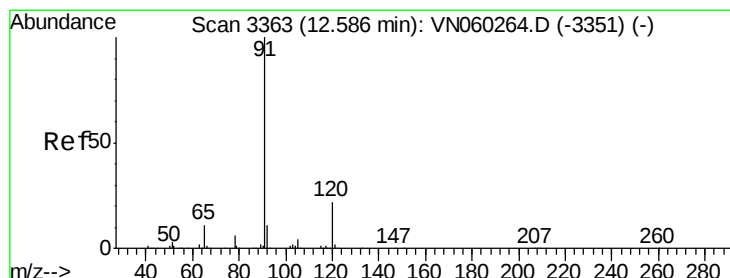
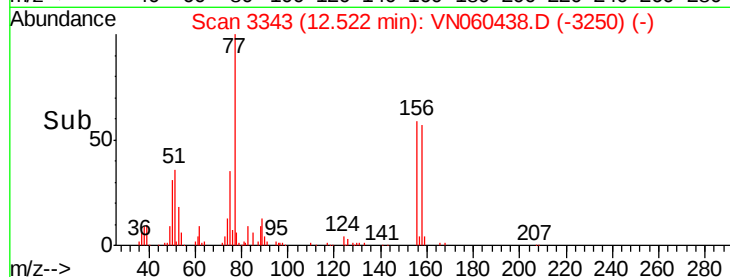
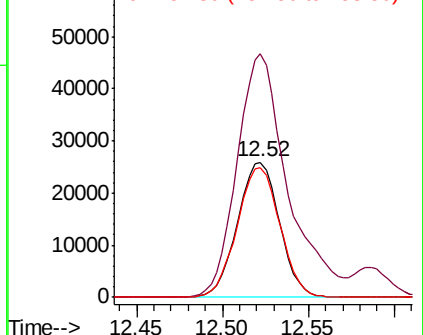
158 97.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.163 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060438.D

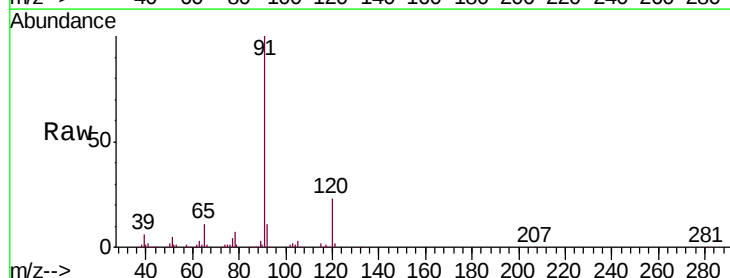
Acq: 11 Mar 2020 10:29

Tgt Ion: 91 Resp: 212486

Ion Ratio Lower Upper

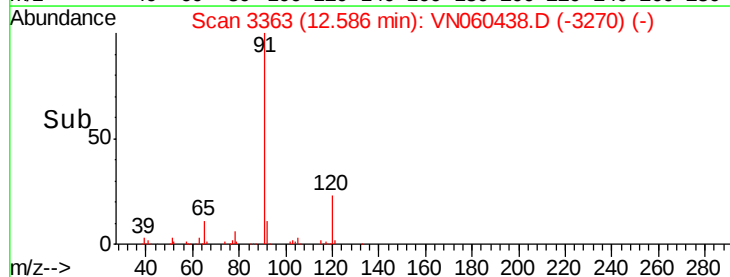
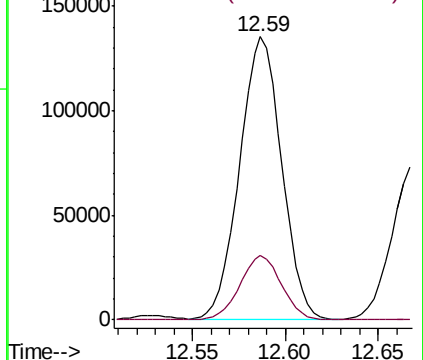
91 100

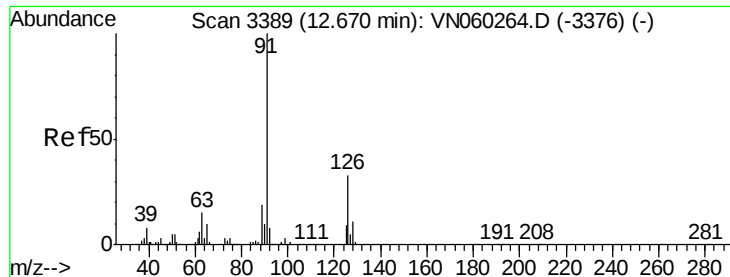
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

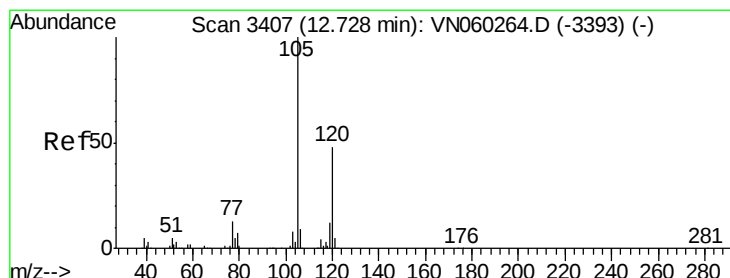
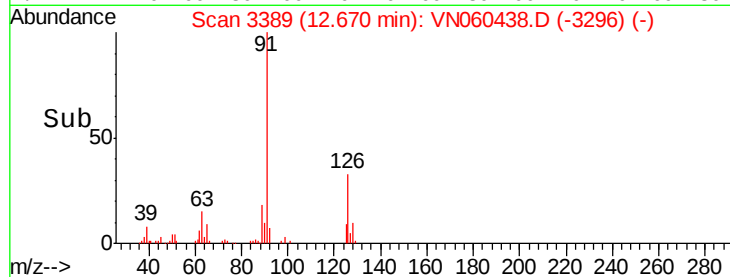
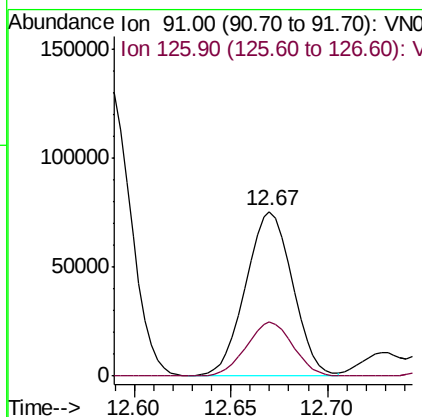
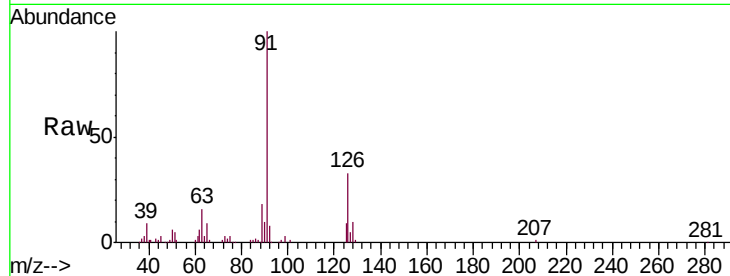




#79
 2-Chlorotoluene
 Concen: 17.481 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

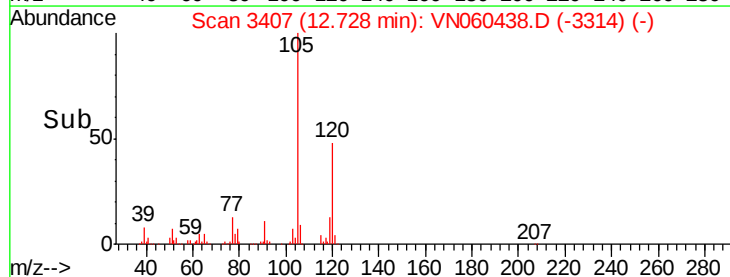
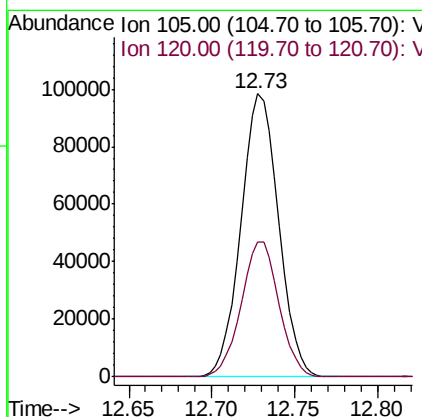
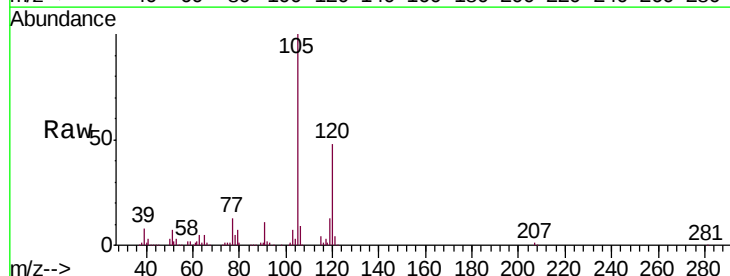
Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBS01

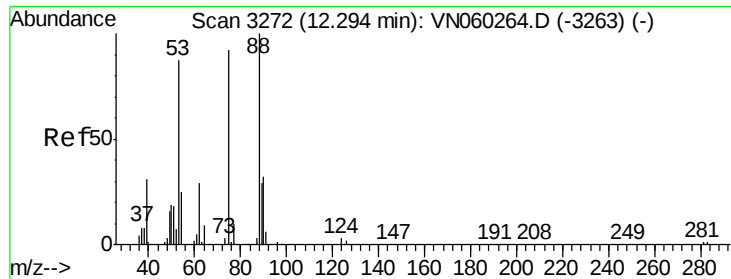
Tgt Ion: 91 Resp: 127215
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 17.451 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 105 Resp: 155183
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.662 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

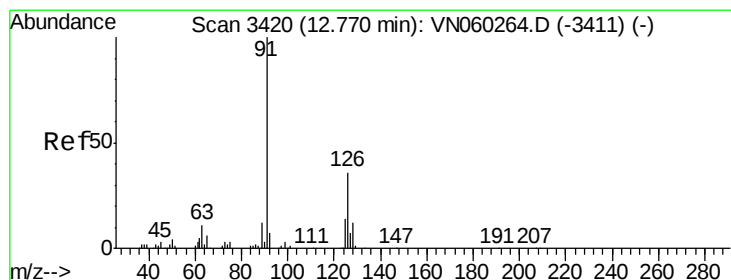
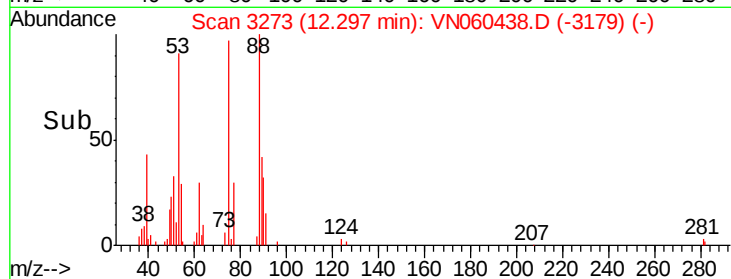
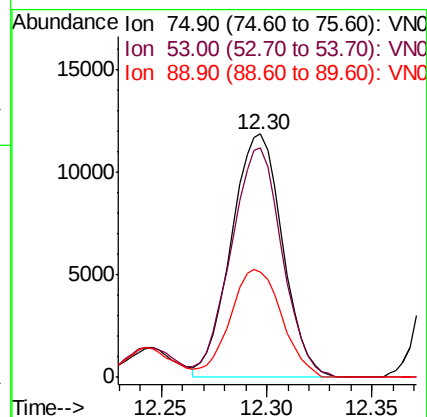
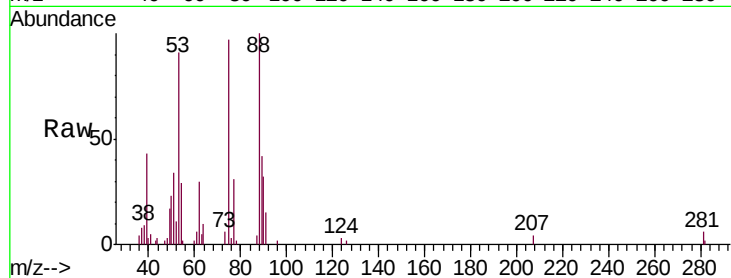
Tgt Ion: 75 Resp: 20003

Ion Ratio Lower Upper

75 100

53 94.1 73.8 110.6

89 44.8 57.1 85.7#



#82

4-Chlorotoluene

Concen: 17.030 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060438.D

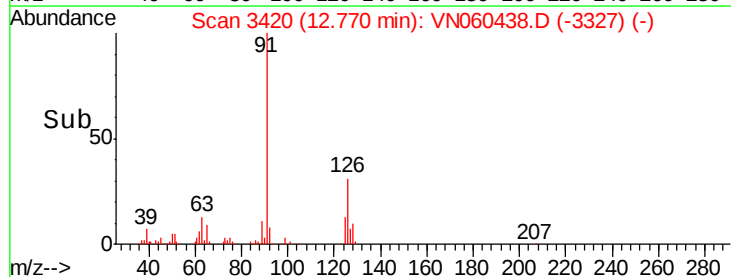
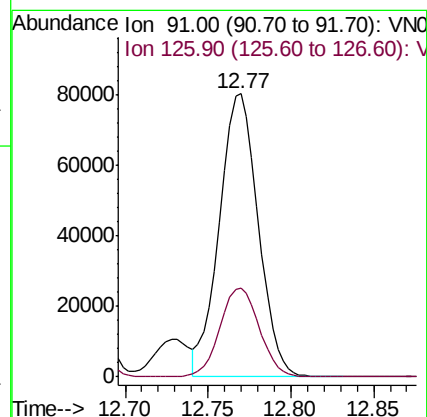
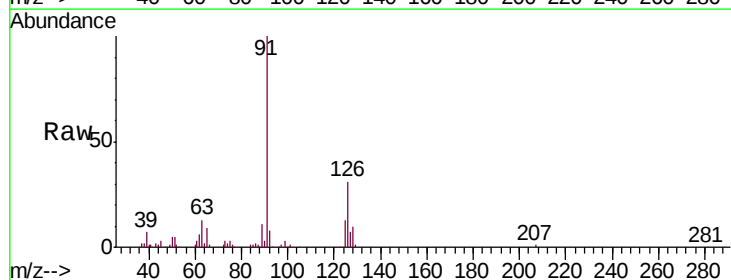
Acq: 11 Mar 2020 10:29

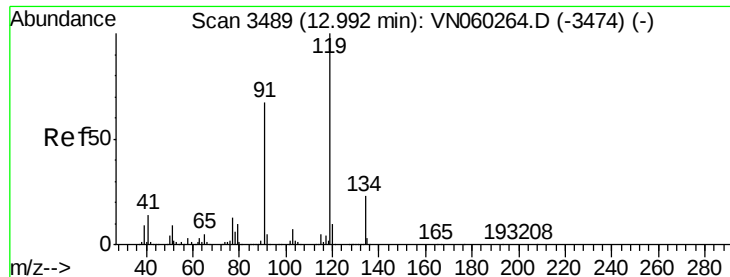
Tgt Ion: 91 Resp: 130572

Ion Ratio Lower Upper

91 100

126 31.8 16.7 50.1

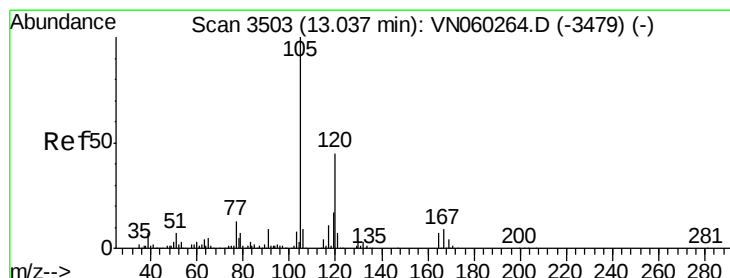
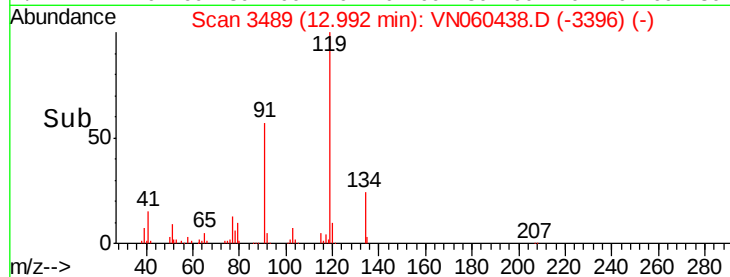
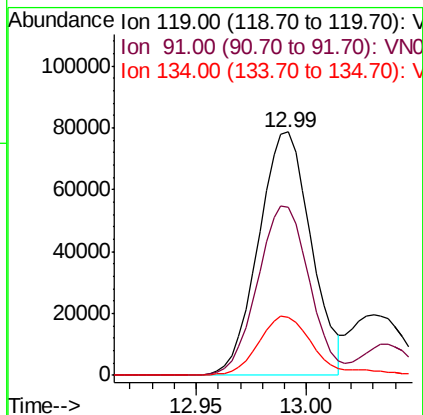
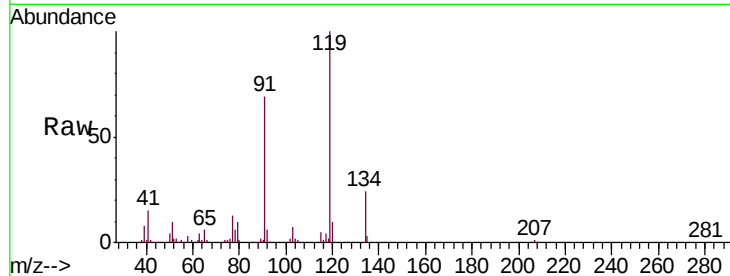




#83
 tert-Butylbenzene
 Concen: 16.895 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

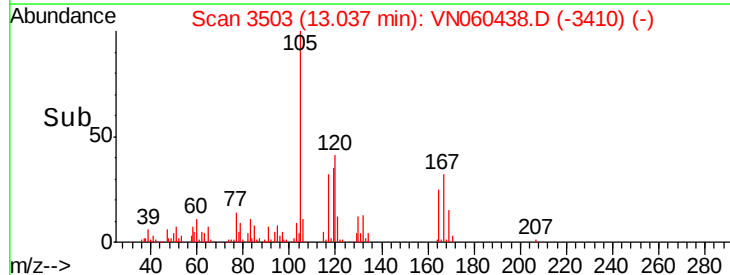
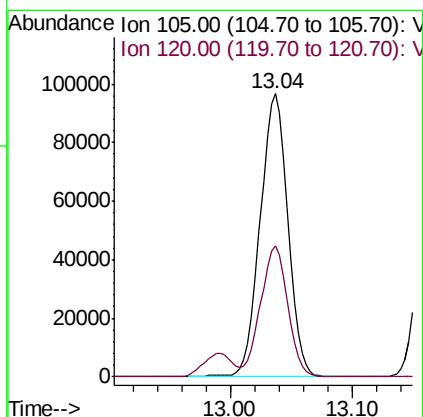
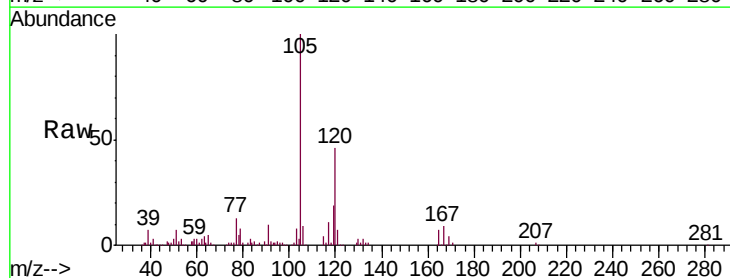
Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBS01

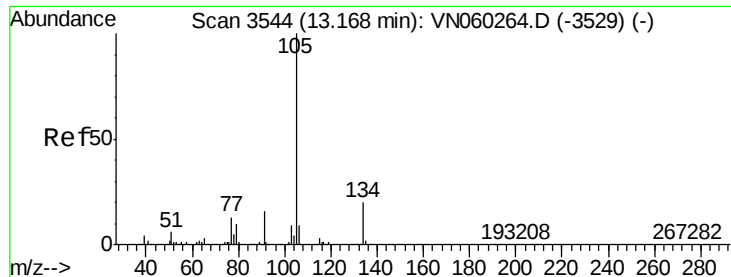
Tgt Ion:119 Resp: 130081
 Ion Ratio Lower Upper
 119 100
 91 68.8 33.1 99.2
 134 25.8 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 16.970 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion:105 Resp: 152315
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.3 66.9

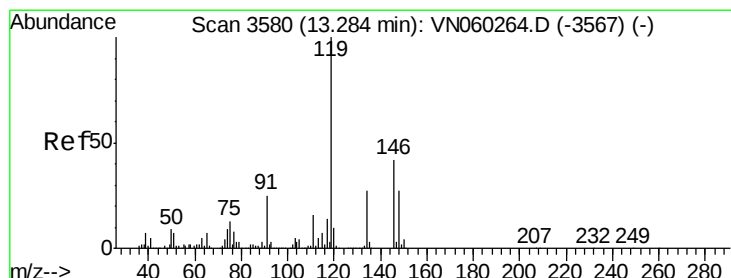
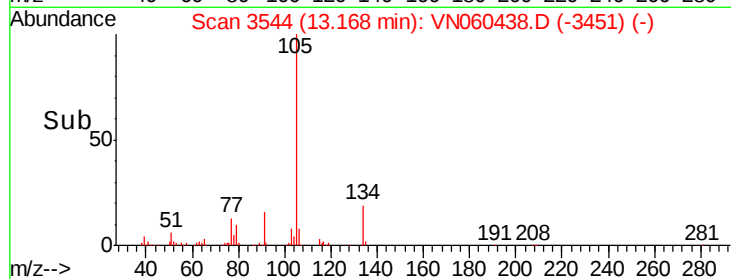
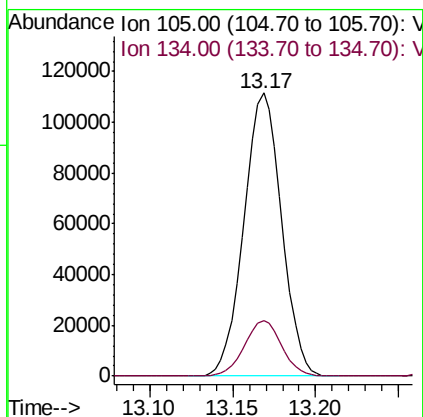
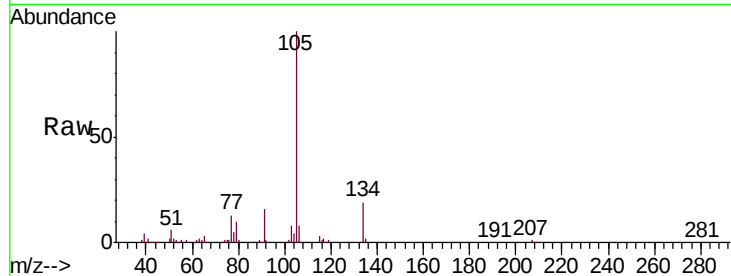




#85
 sec-Butylbenzene
 Concen: 17.064 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

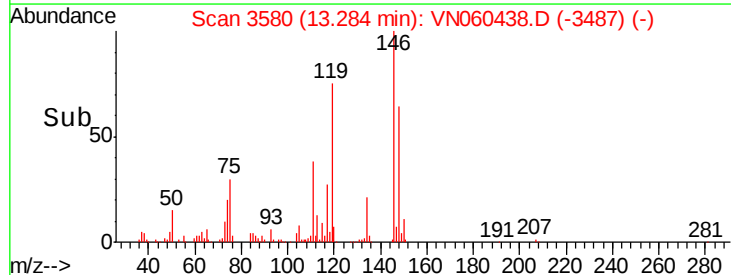
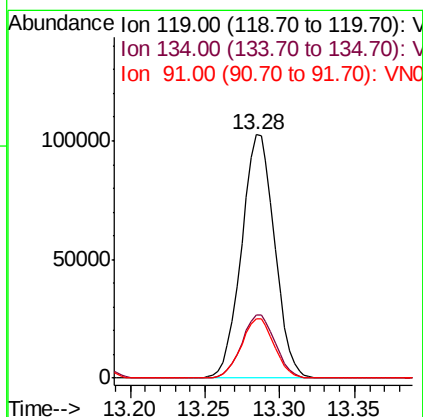
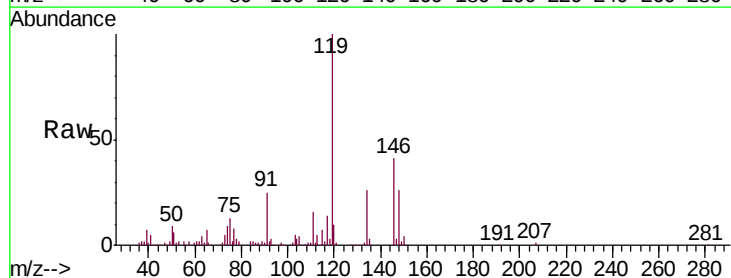
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

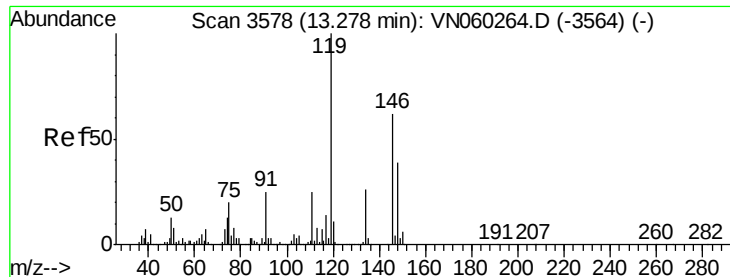
Tgt Ion:105 Resp: 175933
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 16.592 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion:119 Resp: 158328
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.6
 91 24.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 17.578 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

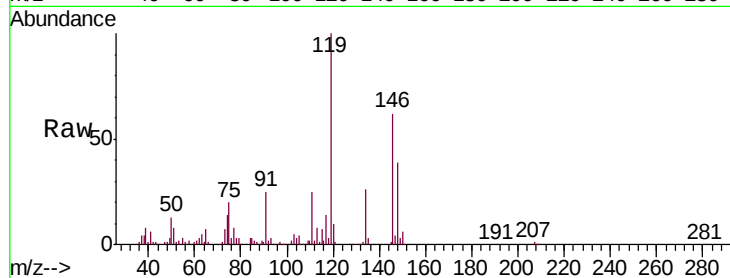
Tgt Ion:146 Resp: 78748

Ion Ratio Lower Upper

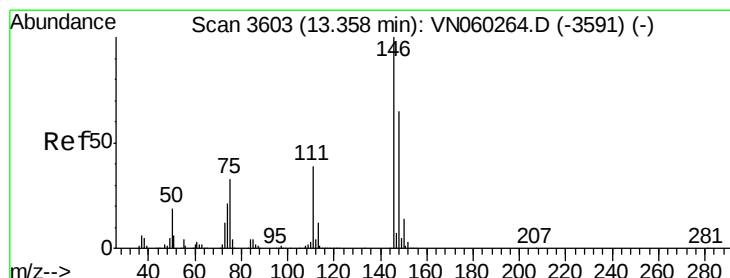
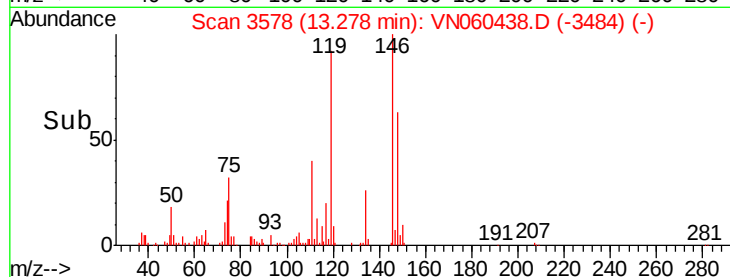
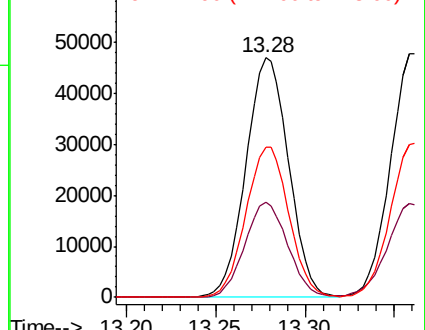
146 100

111 39.9 20.0 59.9

148 63.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.619 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

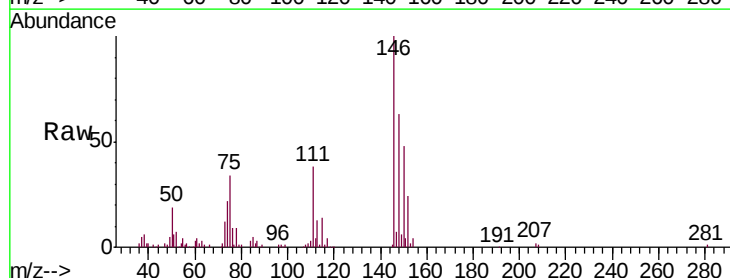
Tgt Ion:146 Resp: 78923

Ion Ratio Lower Upper

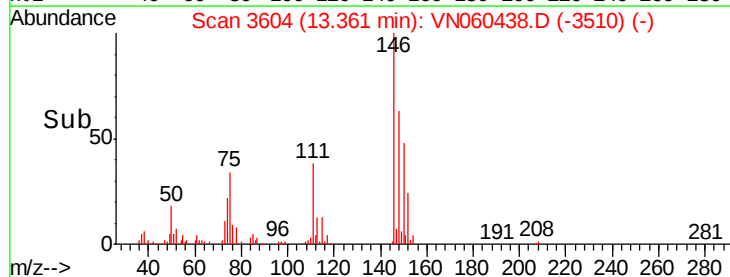
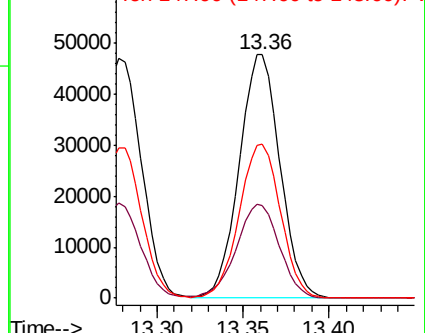
146 100

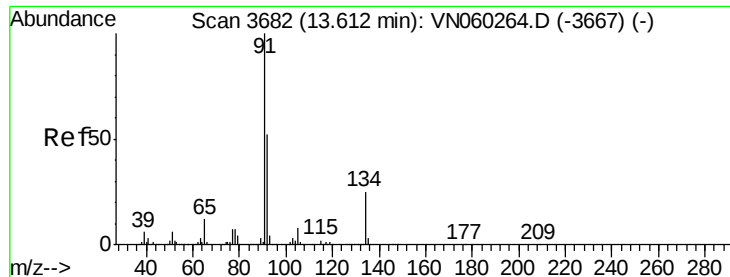
111 40.8 19.8 59.4

148 64.1 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

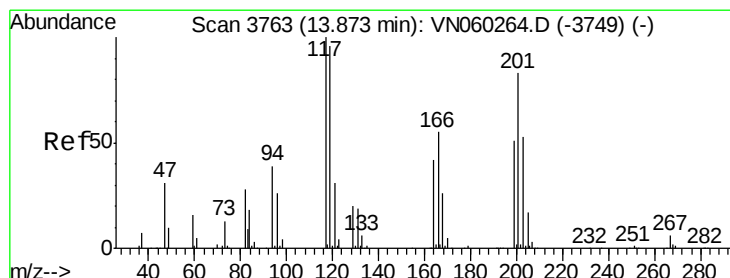
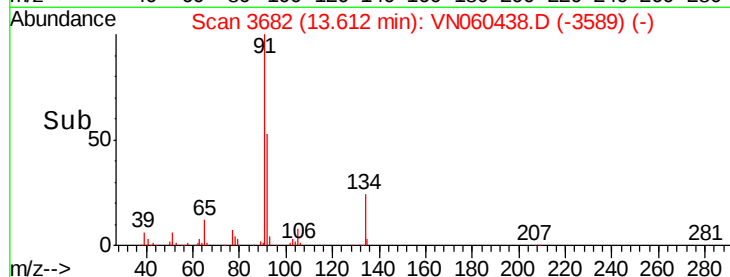
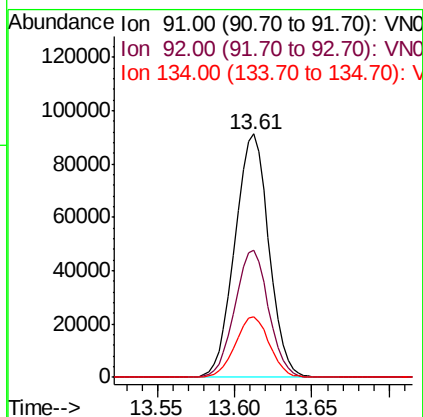
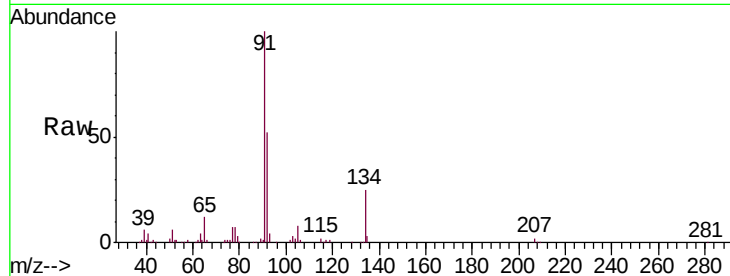




#89
n-Butylbenzene
Concen: 15.919 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

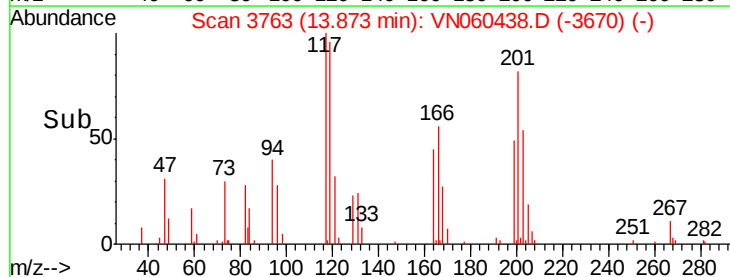
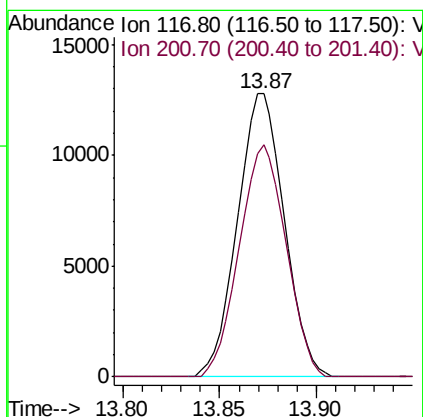
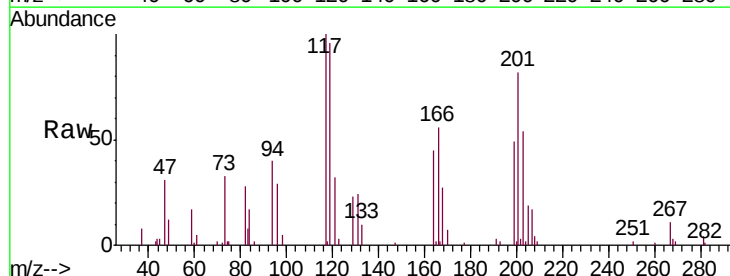
Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

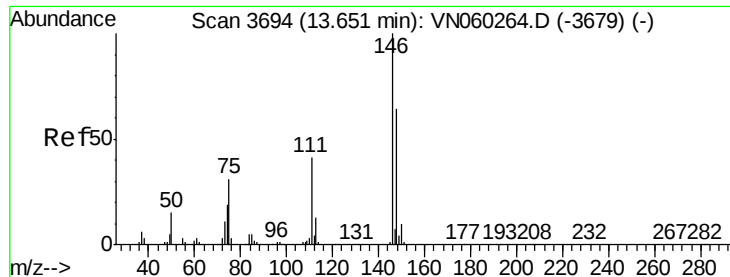
Tgt Ion: 91 Resp: 139449
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 24.9 12.7 38.1



#90
Hexachloroethane
Concen: 15.589 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 117 Resp: 21532
Ion Ratio Lower Upper
117 100
201 81.7 41.0 123.0

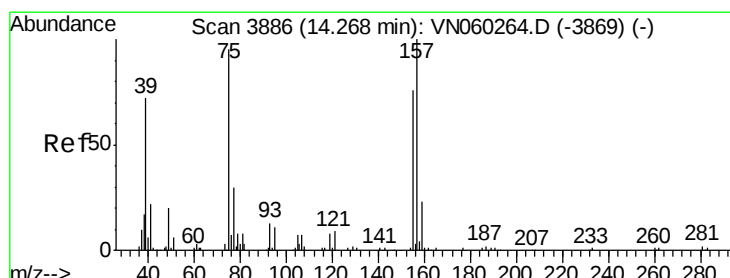
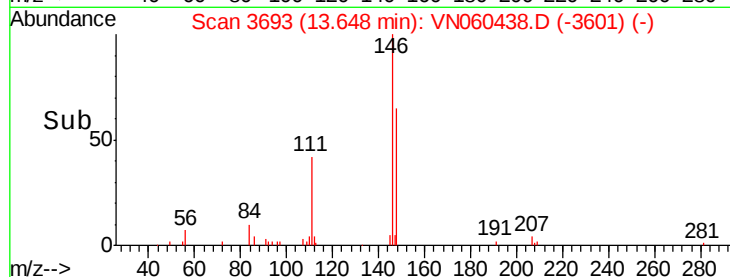
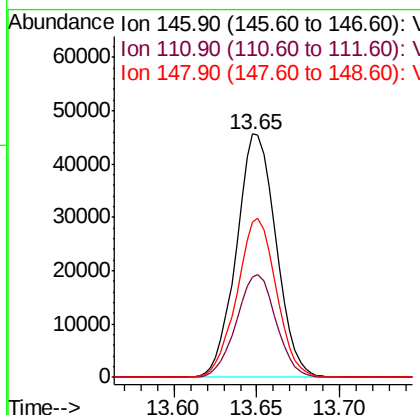
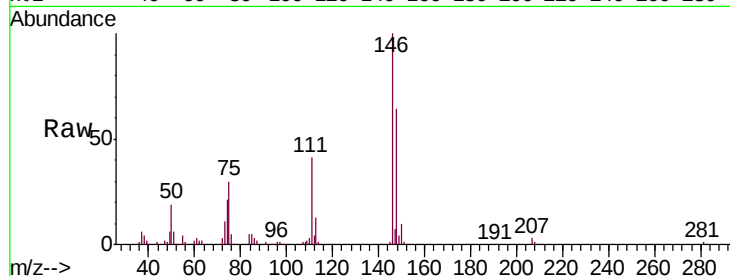




#91
 1,2-Dichlorobenzene
 Concen: 16.758 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

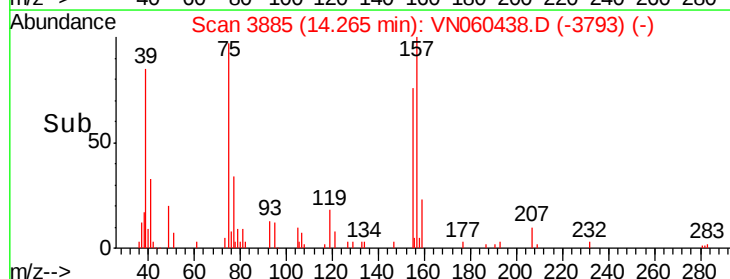
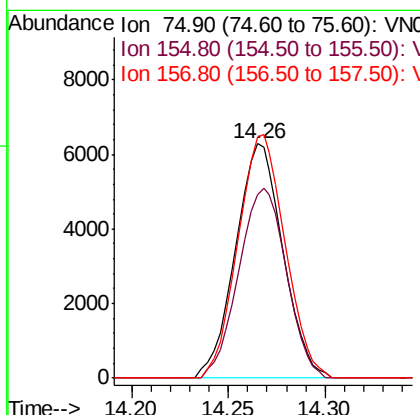
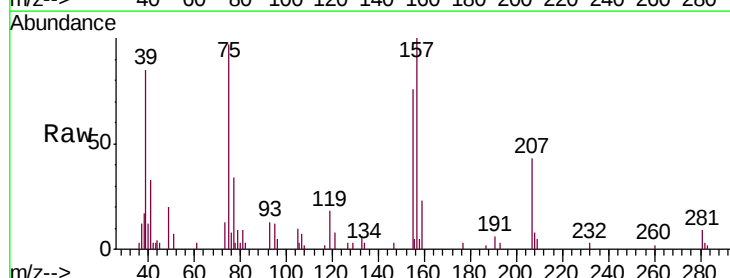
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

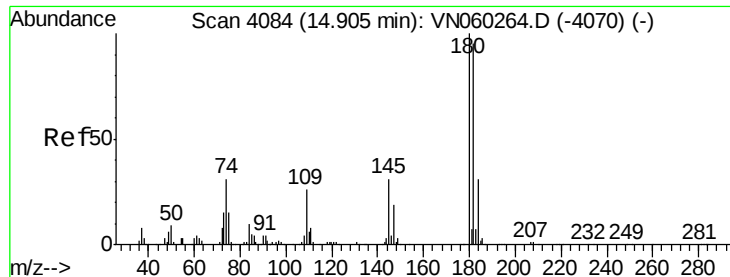
Tgt Ion: 146 Resp: 76021
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.3 61.0
 148 64.7 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.449 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 75 Resp: 10694
 Ion Ratio Lower Upper
 75 100
 155 81.3 40.4 121.2
 157 103.4 52.5 157.5

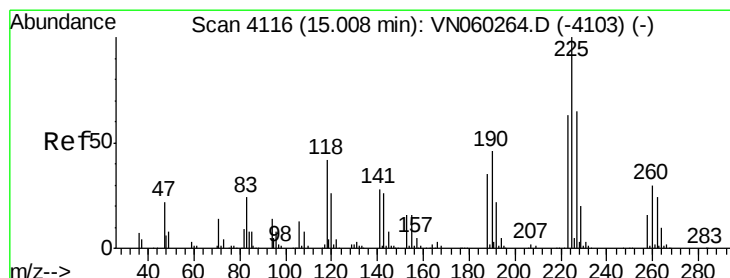
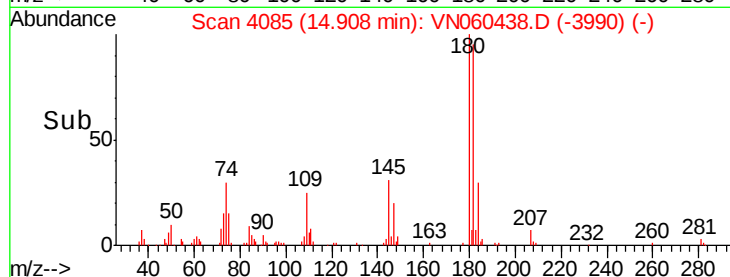
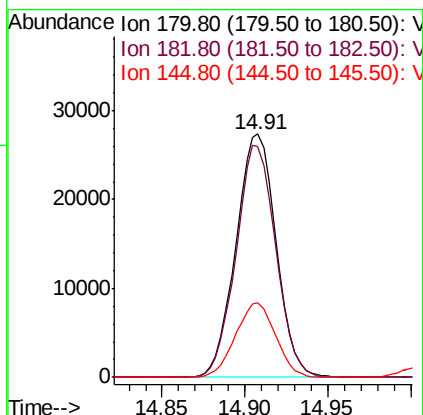
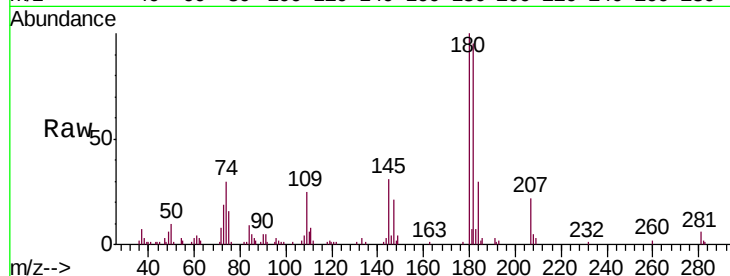




#93
 1,2,4-Trichlorobenzene
 Concen: 16.066 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

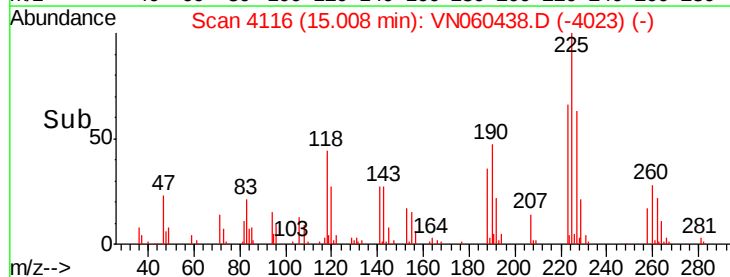
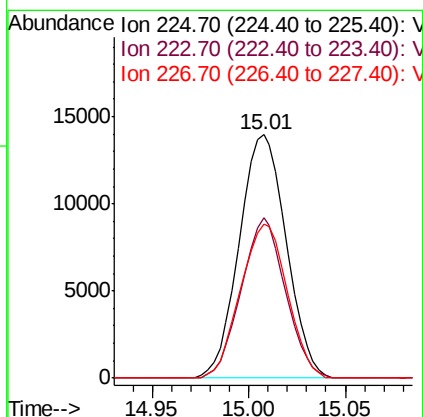
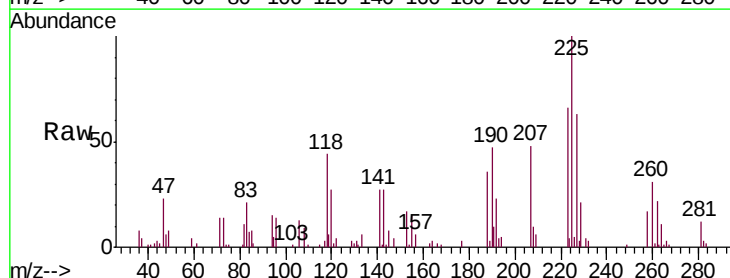
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

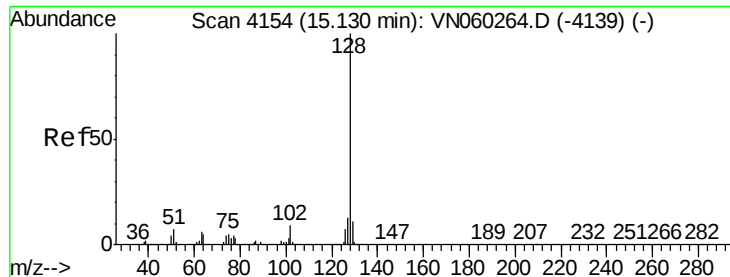
Tgt Ion:180 Resp: 46137
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.8 143.3
 145 30.4 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 17.443 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion:225 Resp: 23607
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.3 93.9
 227 62.9 32.3 96.9

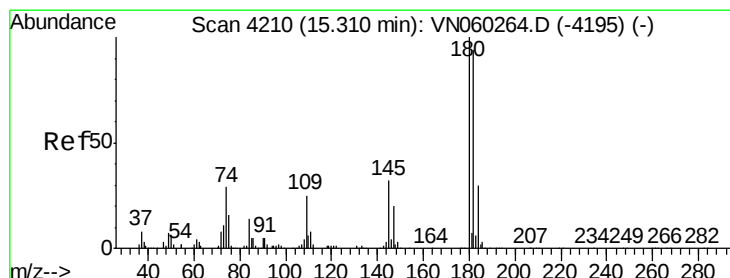
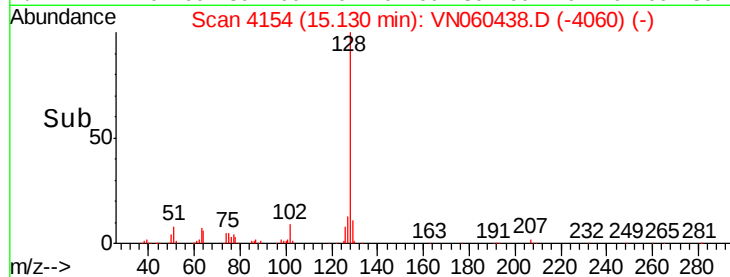
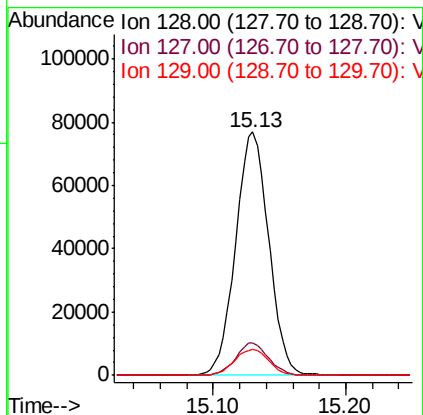
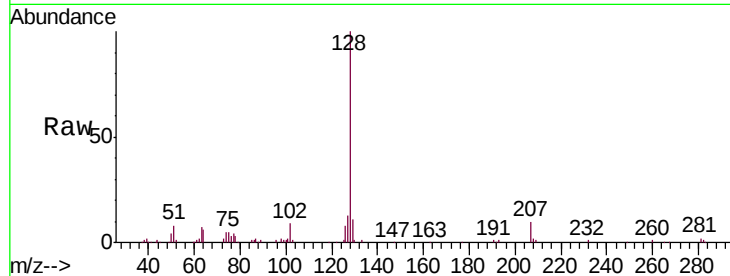




#95
Naphthalene
Concen: 15.513 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampled :
VN0311WBS01

Tgt Ion:128 Resp: 133307
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 16.441 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion:180 Resp: 44965
Ion Ratio Lower Upper
180 100
182 94.1 47.3 142.0
145 32.7 16.2 48.5

