

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060314.D
 Acq On : 2 Mar 2020 16:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 05:47:43 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	205387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159260	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130232	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.56	113	75048	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.08	98	384063	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	149062	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87489	46.460	ug/l	99
3) Chloromethane	2.03	50	156834	47.837	ug/l	99
4) Vinyl Chloride	2.16	62	129752	46.147	ug/l	99
5) Bromomethane	2.54	94	46473	40.611	ug/l	96
6) Chloroethane	2.68	64	69104	45.362	ug/l	97
7) Trichlorofluoromethane	3.00	101	167538	46.637	ug/l	100
8) Diethyl Ether	3.38	74	64453	47.520	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	97129	47.775	ug/l	99
10) Methyl Iodide	3.93	142	82499	44.462	ug/l	98
11) Tert butyl alcohol	4.73	59	96559	246.774	ug/l	99
12) 1,1-Dichloroethene	3.71	96	96028	48.665	ug/l	99
13) Acrolein	3.57	56	97414	266.863	ug/l	100
14) Allyl chloride	4.29	41	163820	45.028	ug/l	91
15) Acrylonitrile	4.94	53	266943	258.828	ug/l	98
16) Acetone	3.78	43	223412	262.539	ug/l	97
17) Carbon Disulfide	4.03	76	245731	46.884	ug/l	99
18) Methyl Acetate	4.28	43	131983	46.476	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	352052	49.141	ug/l	100
20) Methylene Chloride	4.52	84	109112	46.688	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	103470	48.796	ug/l	97
22) Diisopropyl ether	5.91	45	367754	49.902	ug/l	99
23) Vinyl Acetate	5.86	43	1509311	257.738	ug/l	99
24) 1,1-Dichloroethane	5.82	63	205012	49.145	ug/l	100
25) 2-Butanone	6.80	43	360037	261.937	ug/l	100
26) 2,2-Dichloropropane	6.80	77	184100	48.477	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	124011	45.762	ug/l	100
28) Bromochloromethane	7.17	49	80993	47.288	ug/l	98
29) Tetrahydrofuran	7.18	42	239142	250.199	ug/l	99
30) Chloroform	7.35	83	204835	49.326	ug/l	99
31) Cyclohexane	7.63	56	180290	50.663	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	181603	49.357	ug/l	100
36) 1,1-Dichloropropene	7.77	75	152163	47.864	ug/l	99
37) Ethyl Acetate	6.89	43	153351	50.944	ug/l	100
38) Carbon Tetrachloride	7.75	117	152064	49.129	ug/l	100

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 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	182636	48.726	ug/l	98
40) Benzene	8.02	78	450694	48.709	ug/l	99
41) Methacrylonitrile	7.18	41	222343	159.971	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	166093	49.744	ug/l	100
43) Isopropyl Acetate	8.14	43	271153	51.454	ug/l	99
44) Trichloroethene	8.82	130	120129	46.616	ug/l	100
45) 1,2-Dichloropropane	9.10	63	121653	50.287	ug/l	96
46) Dibromomethane	9.19	93	78076	49.739	ug/l	99
47) Bromodichloromethane	9.39	83	162636	50.942	ug/l	97
48) Methyl methacrylate	9.18	41	120420	50.110	ug/l	99
49) 1,4-Dioxane	9.18	88	34240	1013.198	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	781281	261.484	ug/l	100
52) Toluene	10.14	92	285629	49.142	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	190248	48.633	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	199794	49.288	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	113153	48.411	ug/l	99
56) Ethyl methacrylate	10.42	69	176384	52.527	ug/l	99
57) 1,3-Dichloropropane	10.70	76	190933	50.090	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	459879	261.854	ug/l	99
59) 2-Hexanone	10.74	43	575359	262.269	ug/l	100
60) Dibromochloromethane	10.89	129	123911	52.129	ug/l	98
61) 1,2-Dibromoethane	10.99	107	115129	50.528	ug/l	99
64) Tetrachloroethene	10.62	164	120254	48.536	ug/l	100
65) Chlorobenzene	11.43	112	302186	47.598	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	115448	49.181	ug/l	100
67) Ethyl Benzene	11.51	91	563082	48.703	ug/l	100
68) m/p-Xylenes	11.62	106	420795	96.467	ug/l	100
69) o-Xylene	11.94	106	202896	48.778	ug/l	99
70) Styrene	11.96	104	339011	49.571	ug/l	100
71) Bromoform	12.12	173	87980	52.004	ug/l #	98
73) Isopropylbenzene	12.25	105	556144	47.114	ug/l	99
74) N-amyl acetate	12.07	43	247772	48.035	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	159851	49.818	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	225463	64.525	ug/l #	100
77) Bromobenzene	12.52	156	133204	46.035	ug/l	98
78) n-propylbenzene	12.59	91	654837	47.326	ug/l	100
79) 2-Chlorotoluene	12.67	91	380910	46.832	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	473308	47.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	62787	49.603	ug/l #	86
82) 4-Chlorotoluene	12.77	91	398601	46.515	ug/l	99
83) tert-Butylbenzene	12.99	119	404390	46.996	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	475053	47.356	ug/l	100
85) sec-Butylbenzene	13.17	105	554075	48.085	ug/l	99
86) p-Isopropyltoluene	13.29	119	501193	46.994	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	244851	49.244	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	243926	49.335	ug/l	100
89) n-Butylbenzene	13.61	91	466902	47.690	ug/l	99
90) Hexachloroethane	13.87	117	76106	49.300	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	236048	46.556	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33202	45.694	ug/l	98

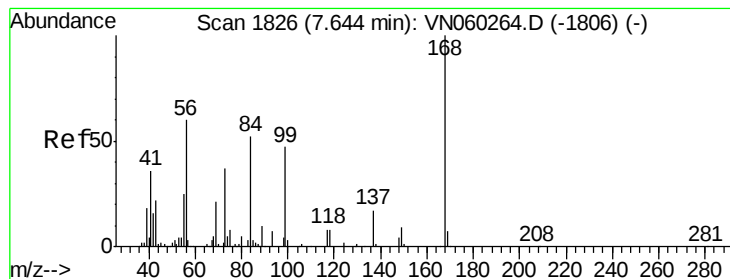
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	156216	48.492	ug/l	100
94) Hexachlorobutadiene	15.01	225	75055	50.688	ug/l	99
95) Naphthalene	15.13	128	454948	47.932	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147503	48.611	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

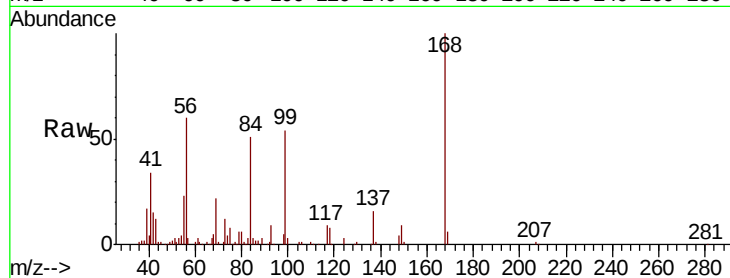
ClientSampleId :

Tot Ion:168 Resp: 205387

Ion Ratio Lower Upper

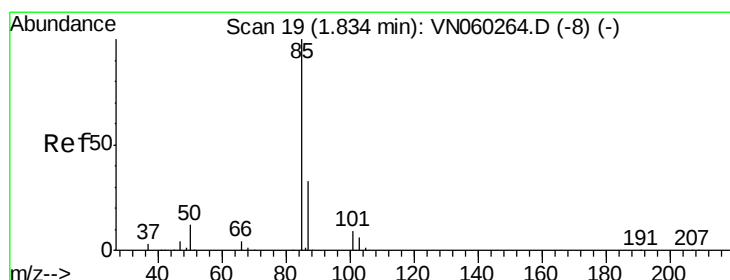
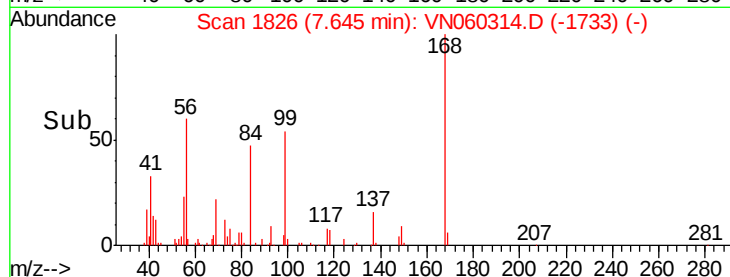
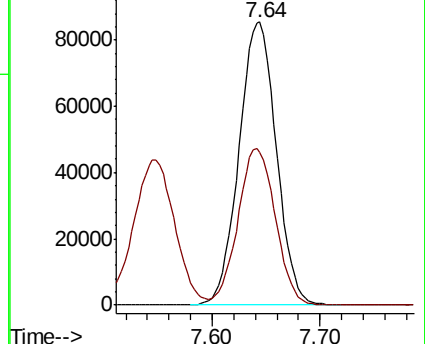
168 100

99 54.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.460 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060314.D

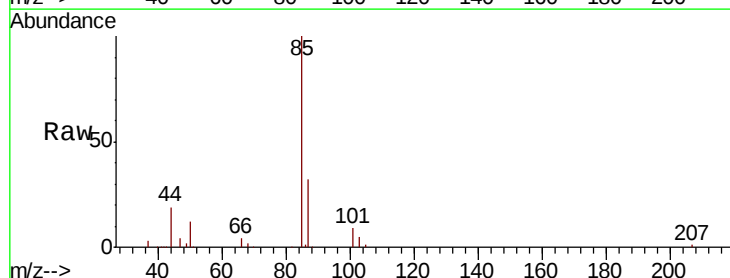
Acq: 2 Mar 2020 16:23

Tgt Ion: 85 Resp: 87489

Ion Ratio Lower Upper

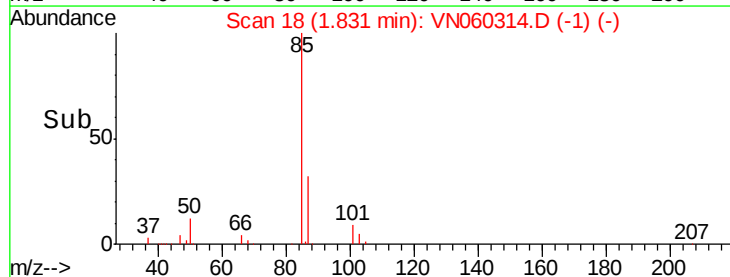
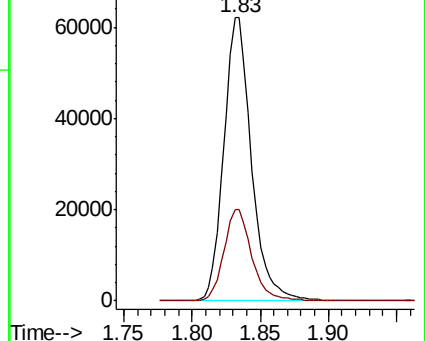
85 100

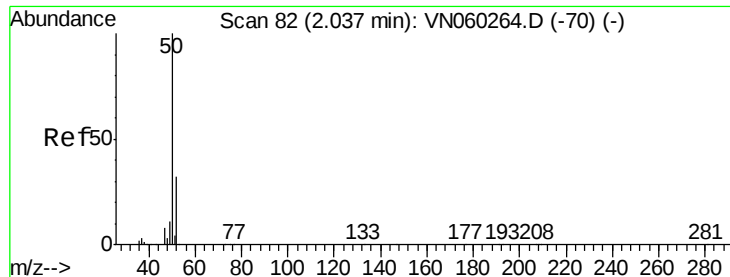
87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.837 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

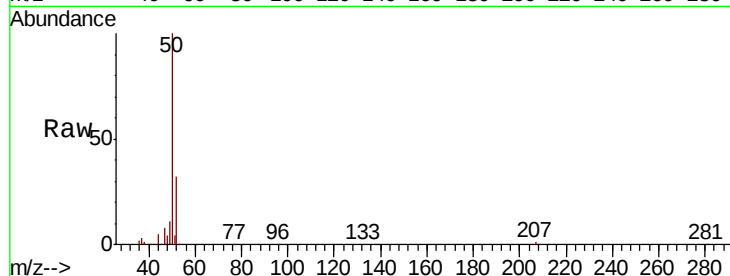
ClientSampled :

Tot Ion: 50 Resp: 156834

Ion Ratio Lower Upper

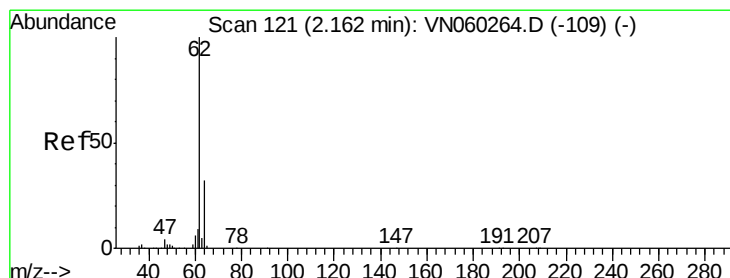
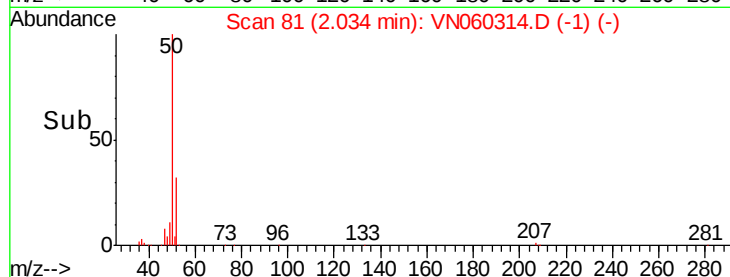
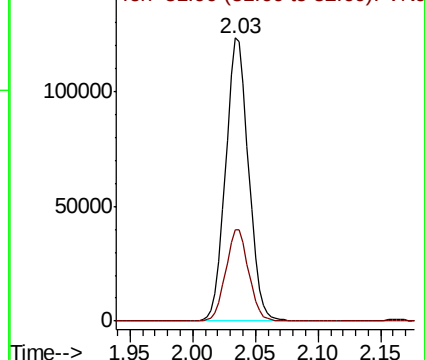
50 100

52 32.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.147 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060314.D

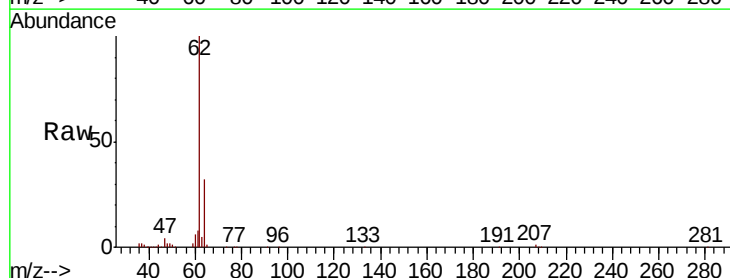
Acq: 2 Mar 2020 16:23

Tgt Ion: 62 Resp: 129752

Ion Ratio Lower Upper

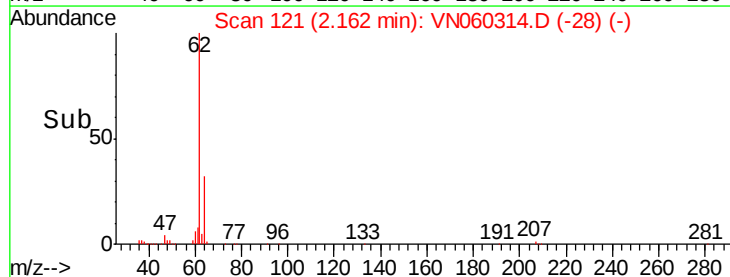
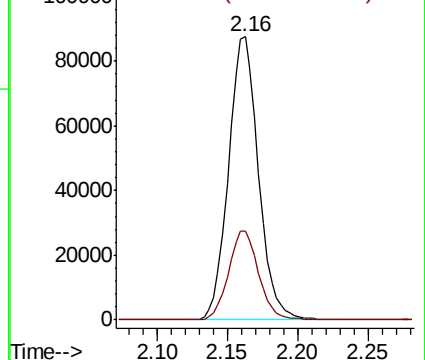
62 100

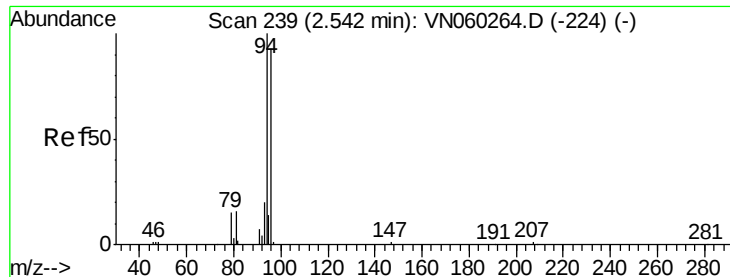
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 40.611 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

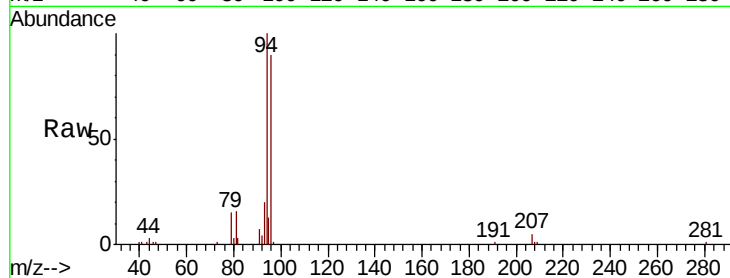
ClientSampled :

Tot Ion: 94 Resp: 46473

Ion Ratio Lower Upper

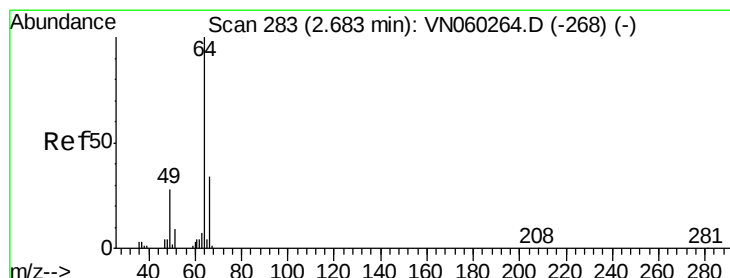
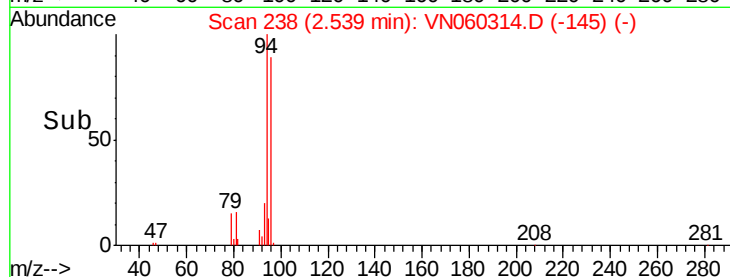
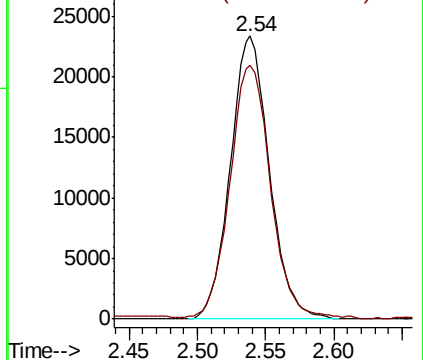
94 100

96 88.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.362 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060314.D

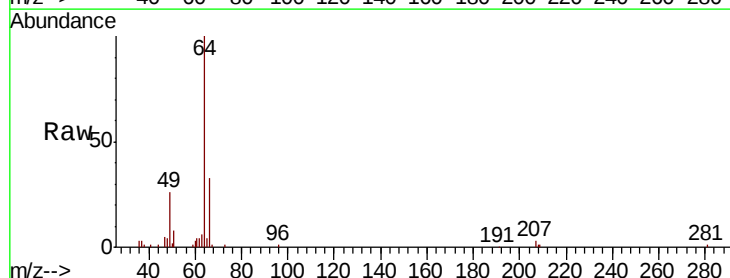
Acq: 2 Mar 2020 16:23

Tgt Ion: 64 Resp: 69104

Ion Ratio Lower Upper

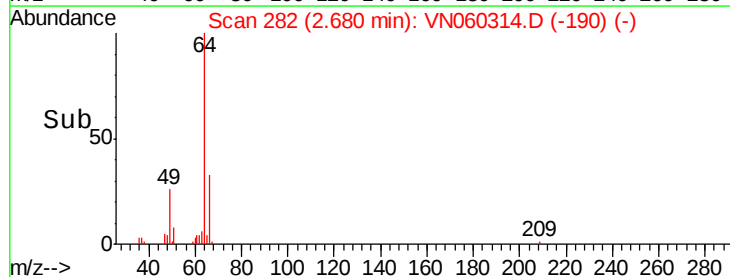
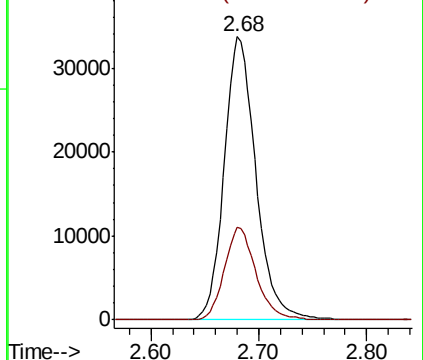
64 100

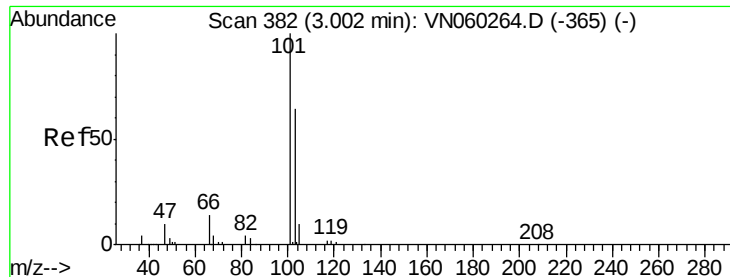
66 32.8 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



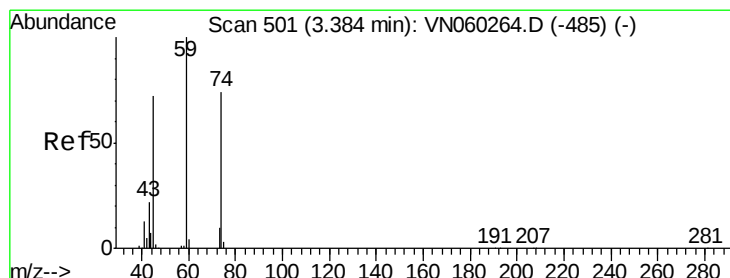
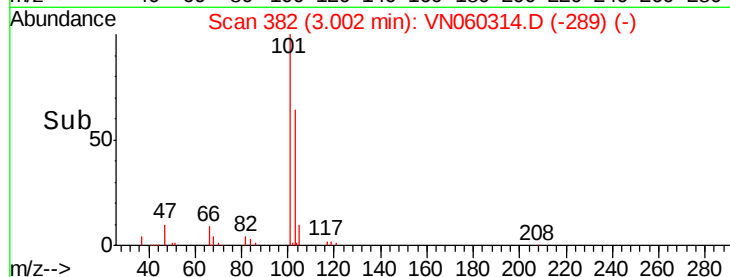
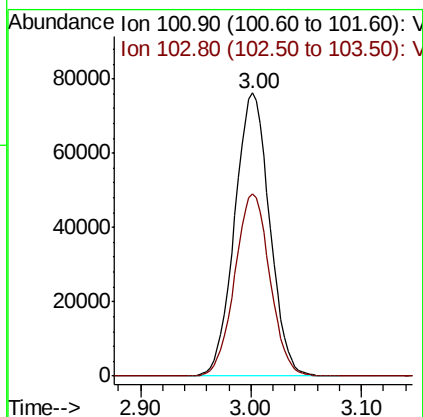
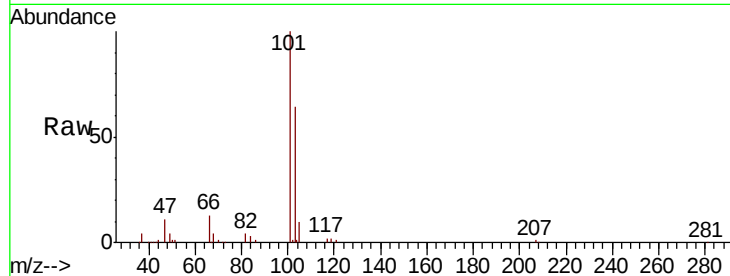


#7

Trichlorofluoromethane
 Concen: 46.637 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Instrument :
 MSVOA_N
 ClientSampled :

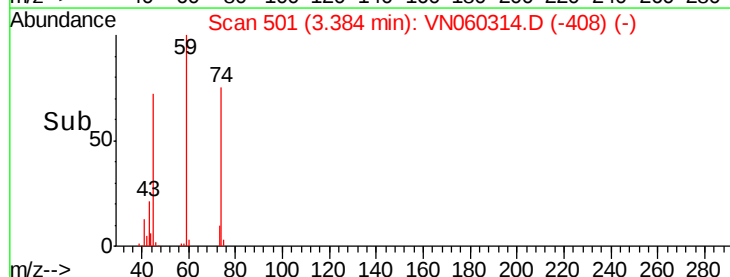
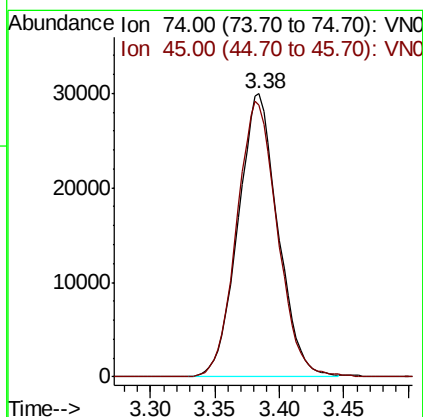
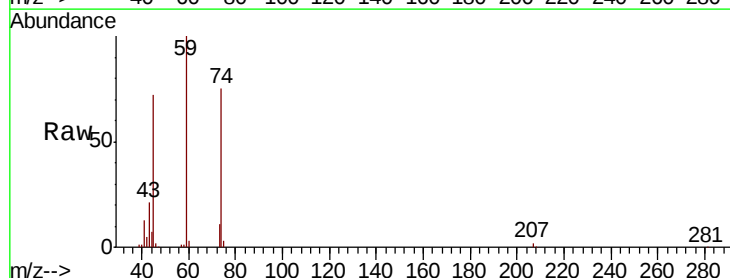
Tot Ion:101 Resp: 167538
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.3 76.9



#8

Diethyl Ether
 Concen: 47.520 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion: 74 Resp: 64453
 Ion Ratio Lower Upper
 74 100
 45 99.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.775 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampleId :

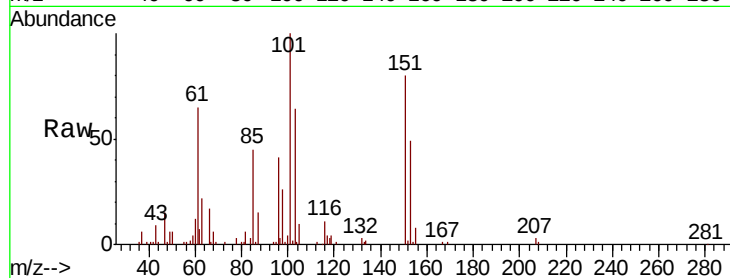
Tot Ion:101 Resp: 97129

Ion Ratio Lower Upper

101 100

85 45.4 35.4 53.2

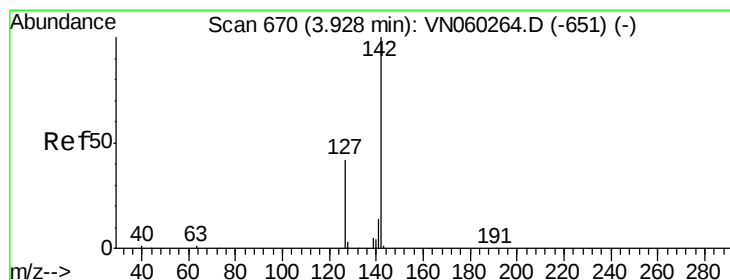
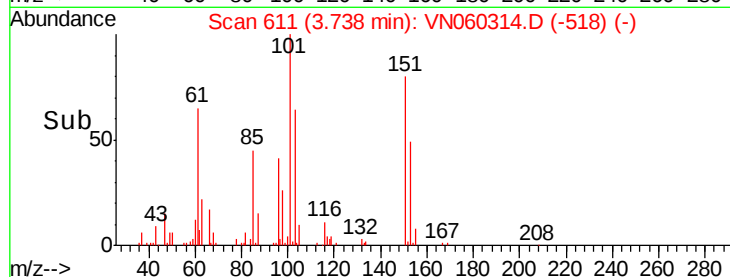
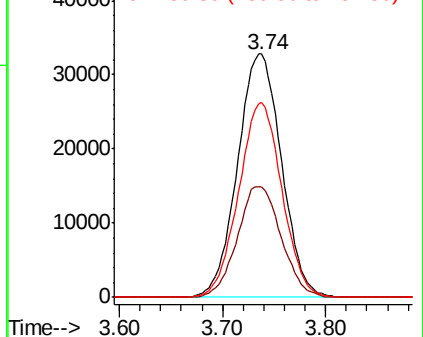
151 78.7 62.0 93.0



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: 44.462 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

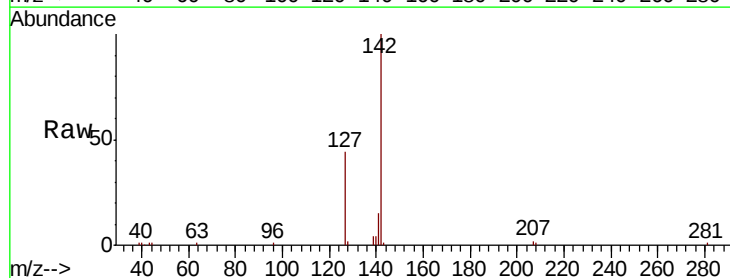
Tgt Ion:142 Resp: 82499

Ion Ratio Lower Upper

142 100

127 43.4 33.8 50.6

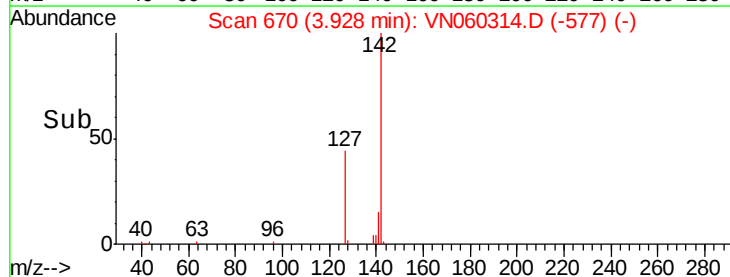
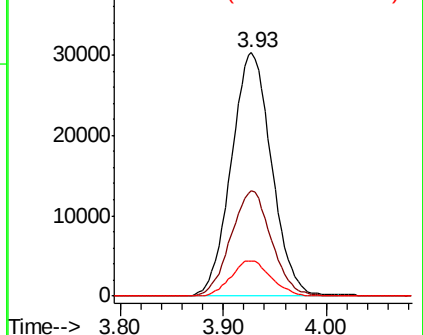
141 14.4 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



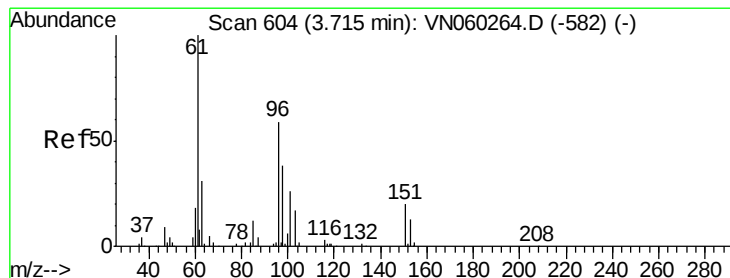
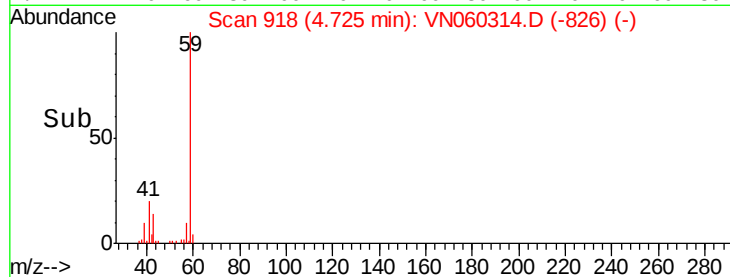
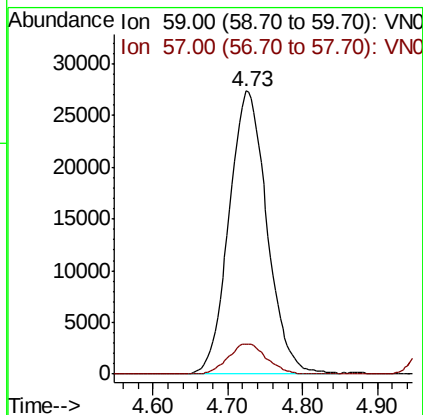
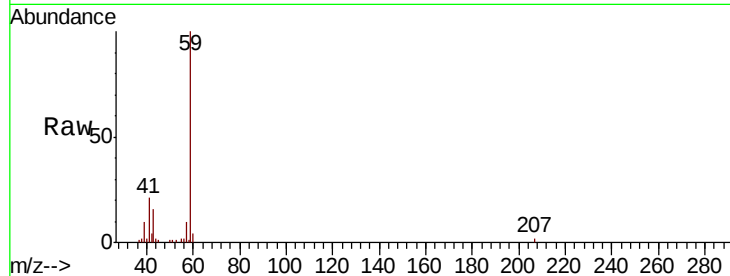


#11

Tert butyl alcohol
 Concen: 246.774 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Instrument :
 MSVOA_N
 ClientSampleId :

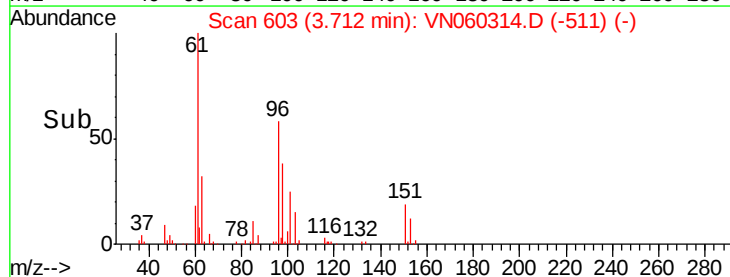
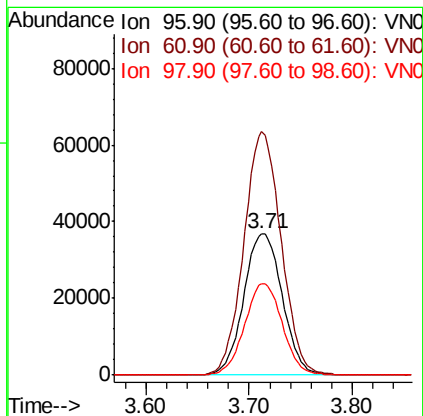
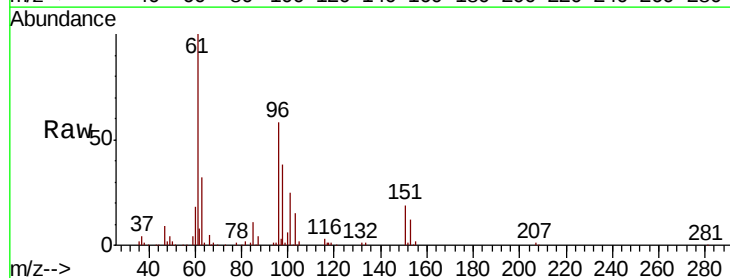
Tot Ion: 59 Resp: 96559
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 48.665 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion: 96 Resp: 96028
 Ion Ratio Lower Upper
 96 100
 61 171.7 135.4 203.0
 98 64.8 51.6 77.4





#13

Acrolein

Concen: 266.863 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

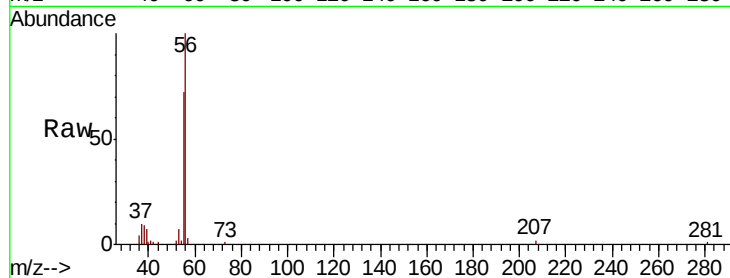
ClientSampleId :

Tot Ion: 56 Resp: 97414

Ion Ratio Lower Upper

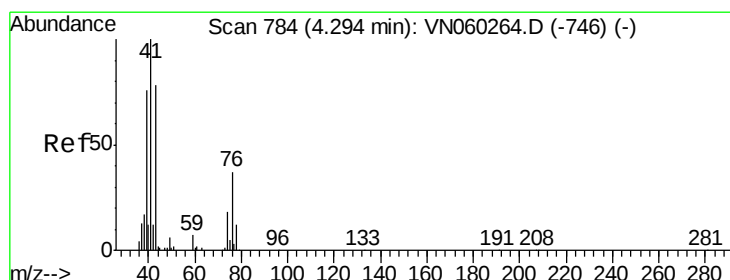
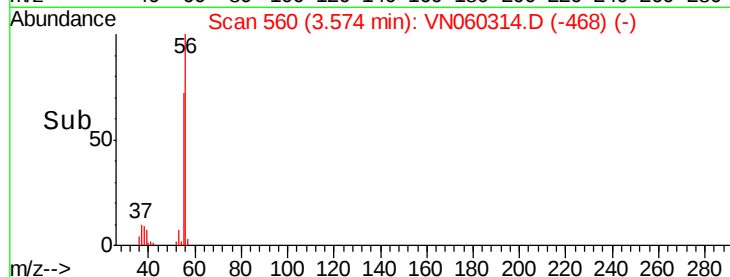
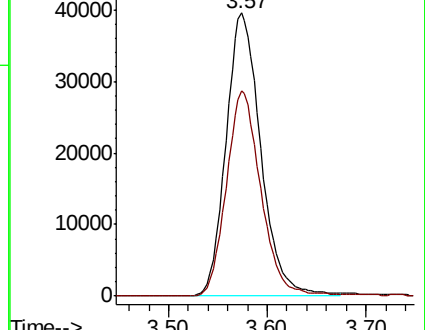
56 100

55 71.8 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN060314.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060314.D (-545) (-)



#14

Allyl chloride

Concen: 45.028 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

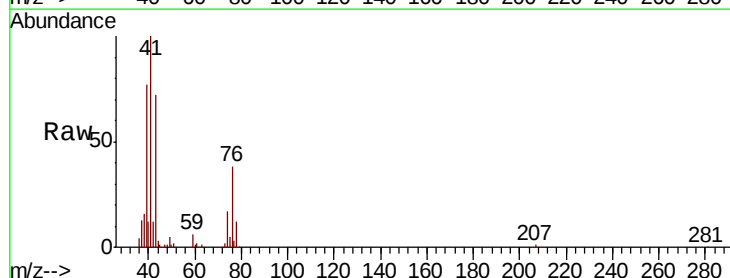
Tgt Ion: 41 Resp: 163820

Ion Ratio Lower Upper

41 100

39 77.9 55.4 83.2

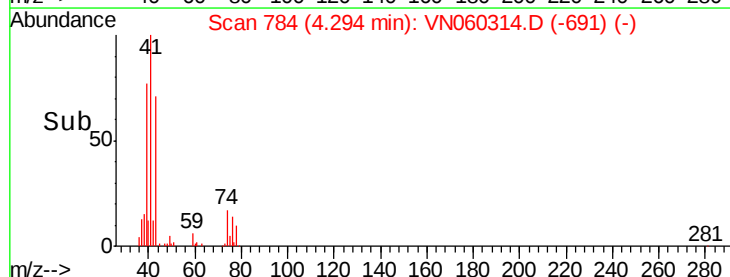
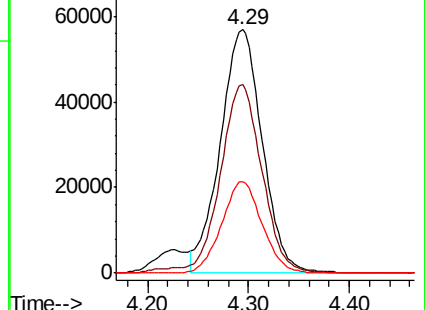
76 36.5 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN060314.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN060314.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN060314.D (-746) (-)





#15

Acrylonitrile

Concen: 258.828 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampled :

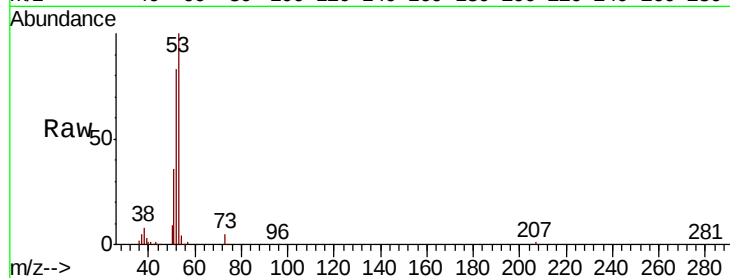
Tot Ion: 53 Resp: 266943

Ion Ratio Lower Upper

53 100

52 81.4 66.8 100.2

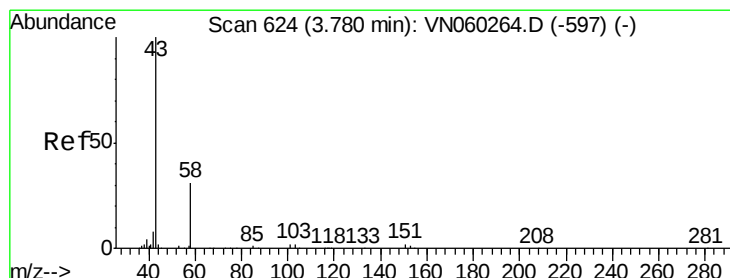
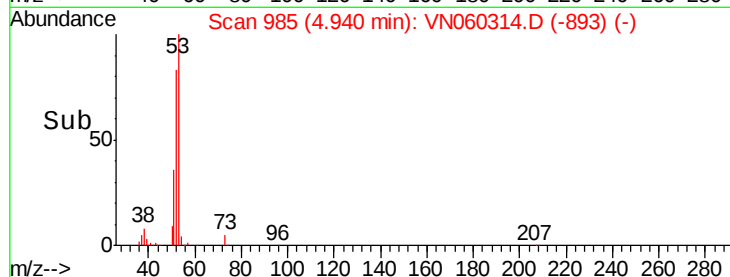
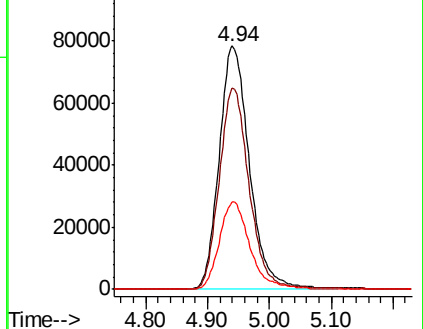
51 36.3 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060314.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060314.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060314.D (-964) (-)



#16

Acetone

Concen: 262.539 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060314.D

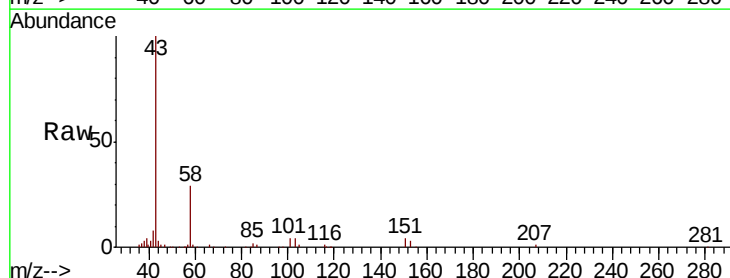
Acq: 2 Mar 2020 16:23

Tgt Ion: 43 Resp: 223412

Ion Ratio Lower Upper

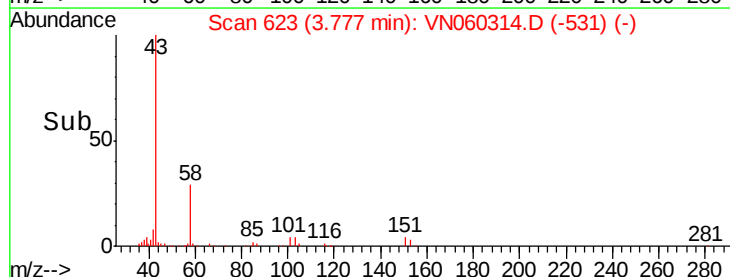
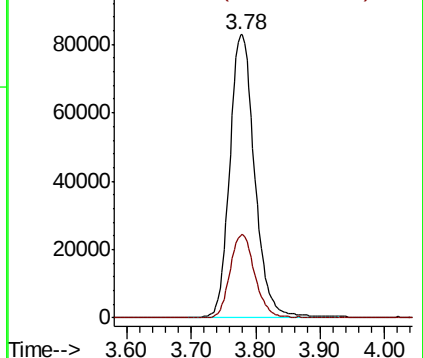
43 100

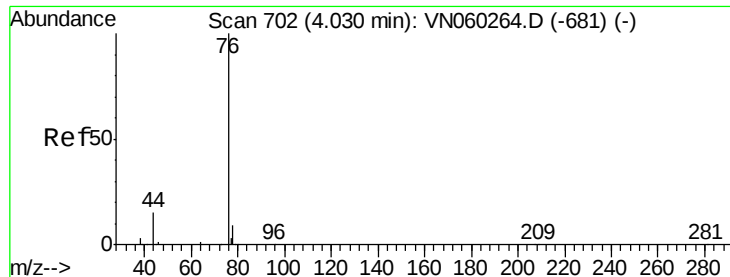
58 29.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060314.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060314.D (-597) (-)

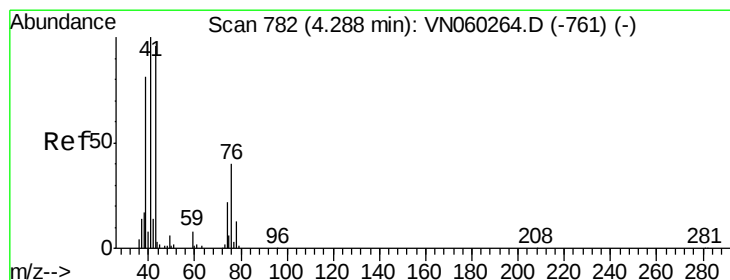
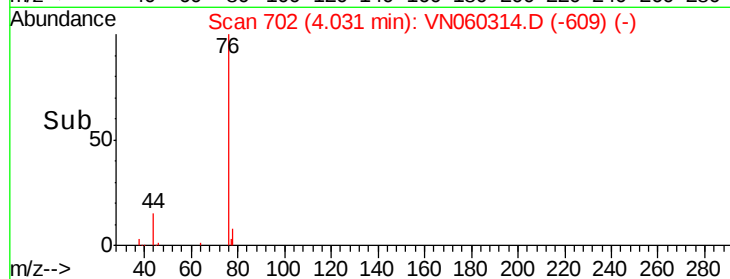
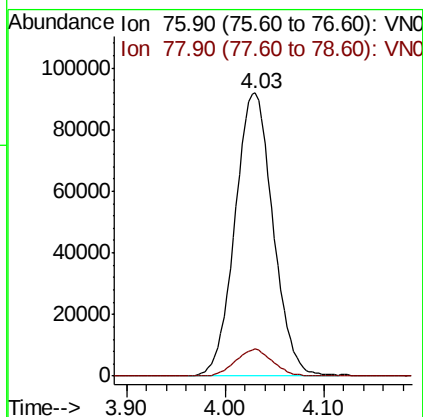
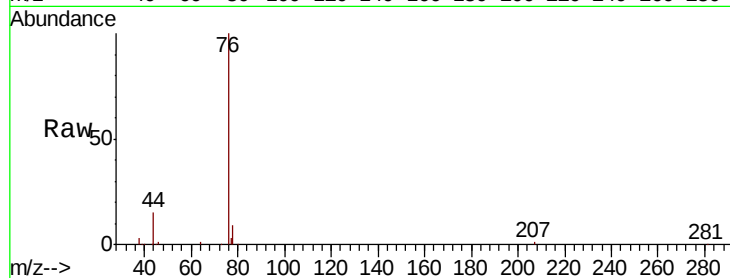




#17
Carbon Disulfide
Concen: 46.884 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

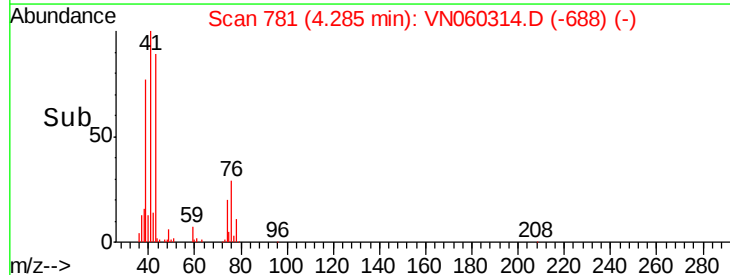
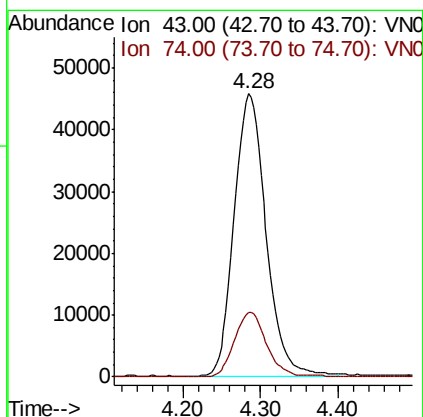
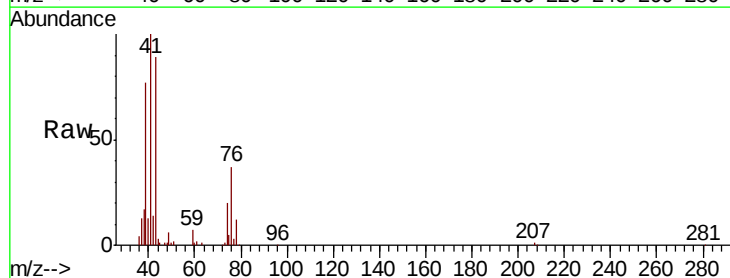
Instrument :
MSVOA_N
ClientSampled :

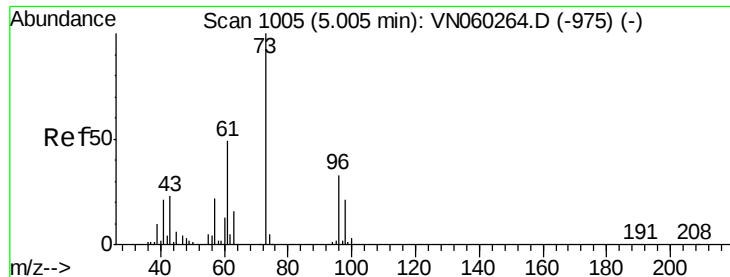
Tot Ion: 76 Resp: 245731
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 46.476 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion: 43 Resp: 131983
Ion Ratio Lower Upper
43 100
74 22.8 18.8 28.2

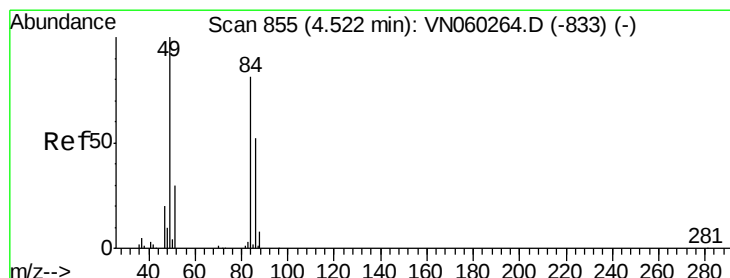
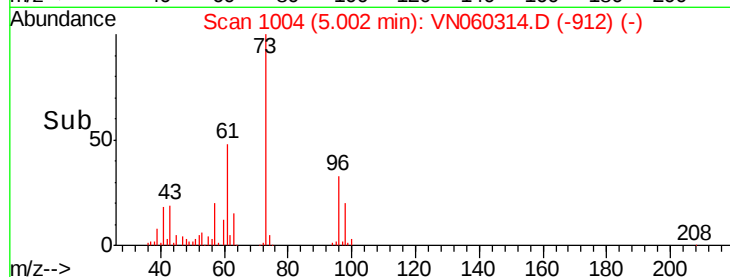
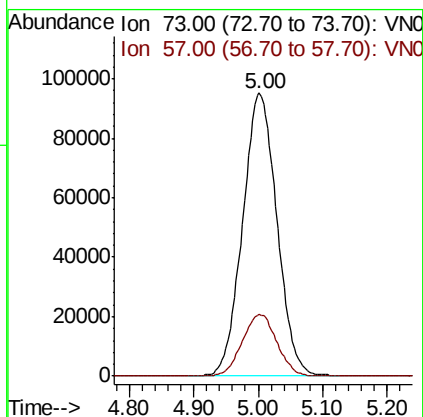
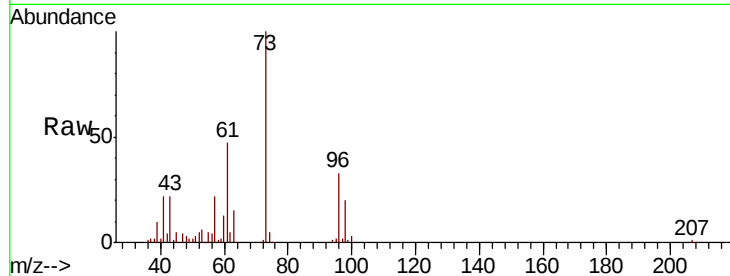




#19
Methvl tert-butvl Ether
Concen: 49.141 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

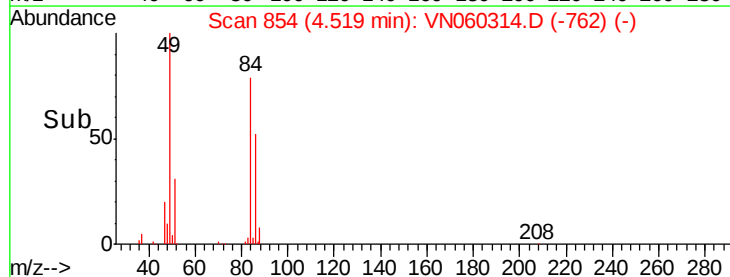
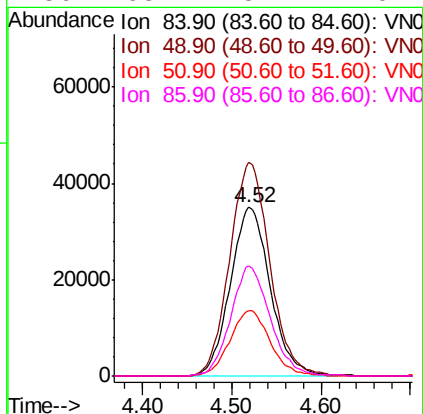
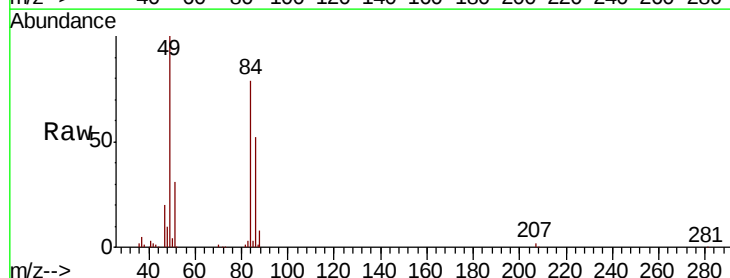
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 352052
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9



#20
Methylene Chloride
Concen: 46.688 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion: 84 Resp: 109112
Ion Ratio Lower Upper
84 100
49 126.6 99.3 148.9
51 38.9 30.1 45.1
86 65.2 51.1 76.7

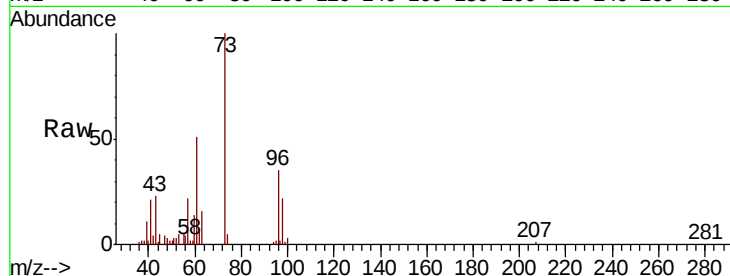




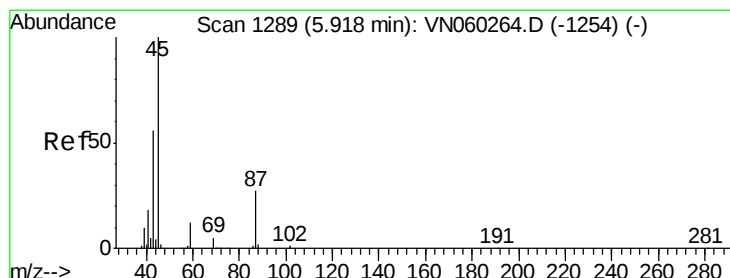
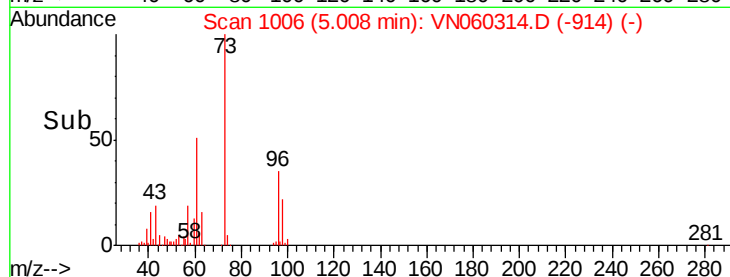
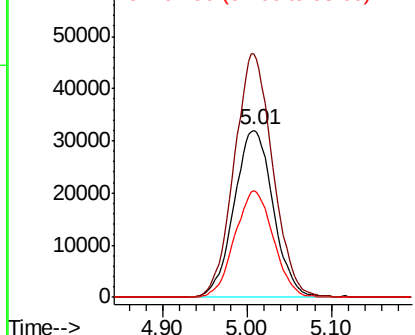
#21
trans-1,2-Dichloroethene
Concen: 48.796 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 103470
Ion Ratio Lower Upper
96 100
61 145.5 113.8 170.8
98 63.7 48.8 73.2

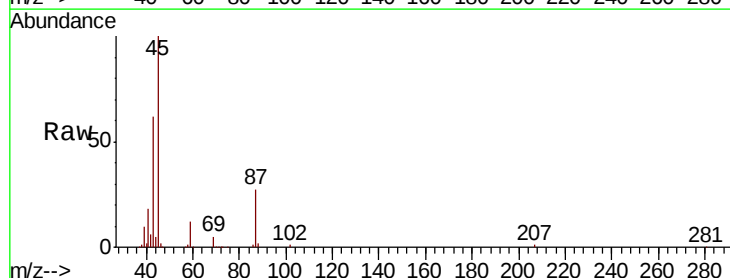


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

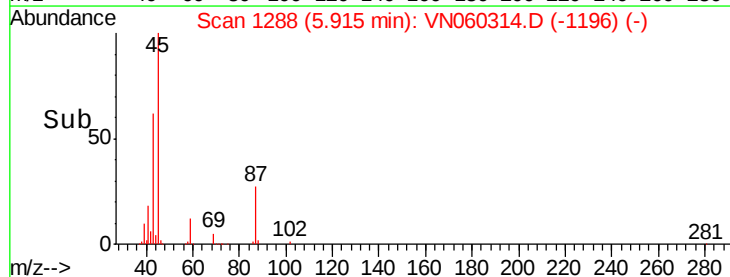
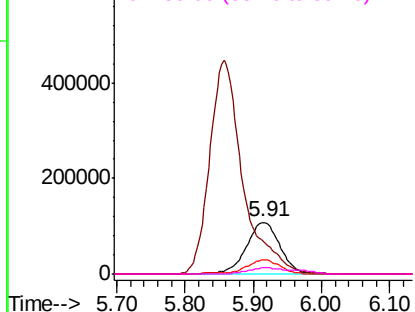


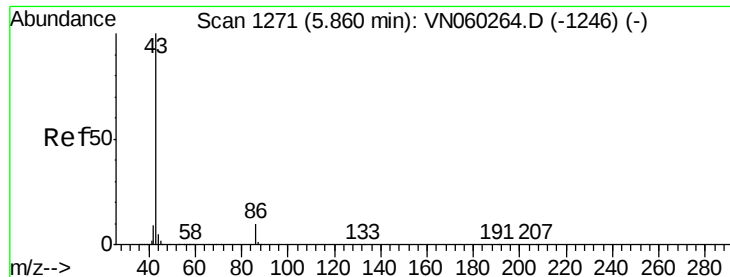
#22
Diisopropyl ether
Concen: 49.902 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion: 45 Resp: 367754
Ion Ratio Lower Upper
45 100
43 61.2 48.6 72.8
87 27.4 22.2 33.2
59 11.5 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 257.738 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

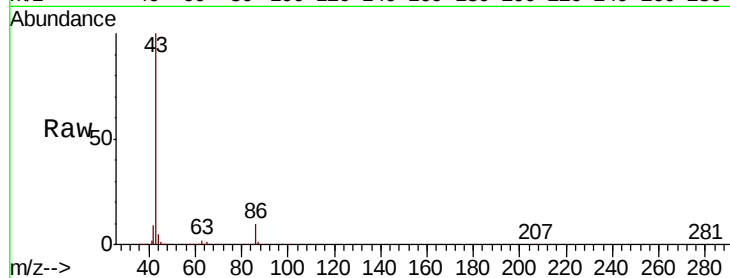
ClientSampleId :

Tot Ion: 43 Resp: 1509311

Ion Ratio Lower Upper

43 100

86 9.8 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060314.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060314.D (-1178) (-)

5.86

400000

300000

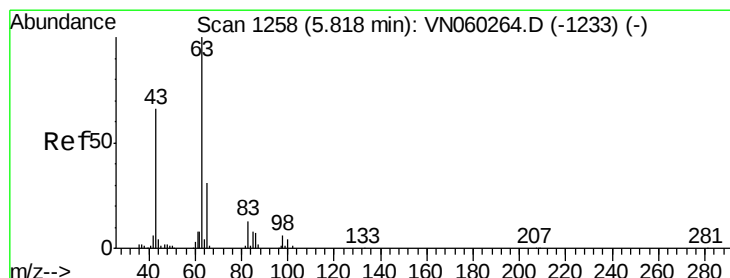
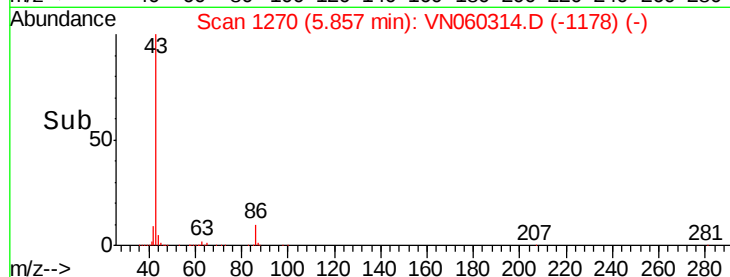
200000

100000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 49.145 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

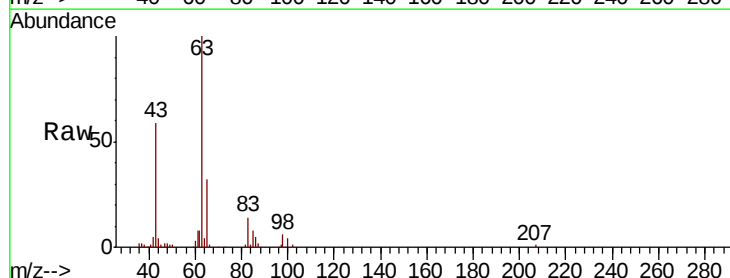
Tgt Ion: 63 Resp: 205012

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060314.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060314.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060314.D (-1165) (-)

5.82

80000

60000

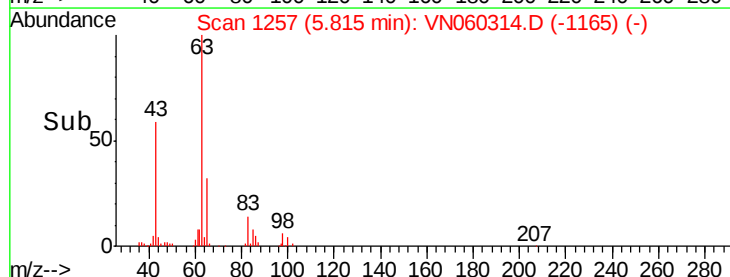
40000

20000

0

Time-->

5.70 5.80 5.90

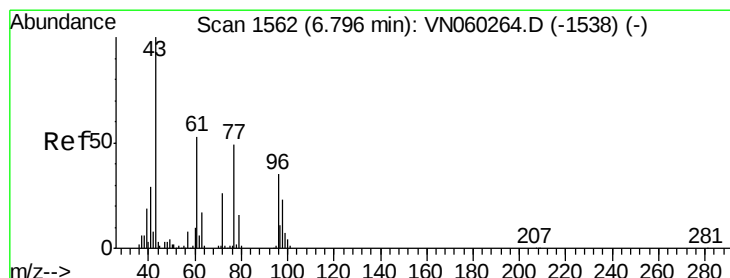
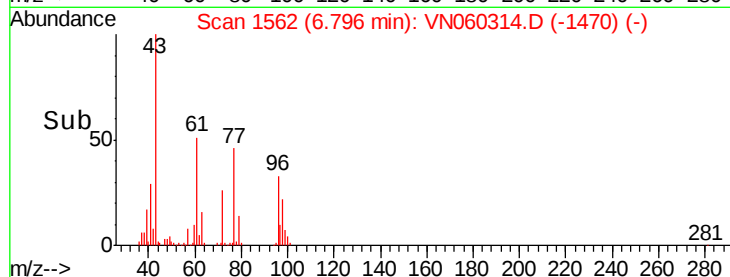
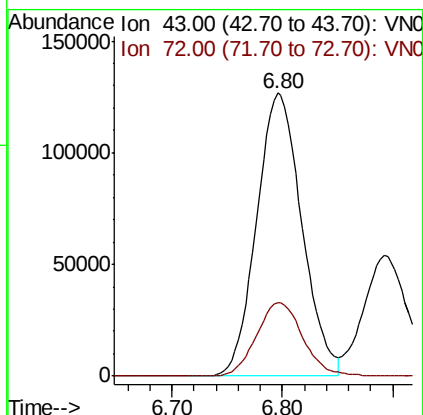
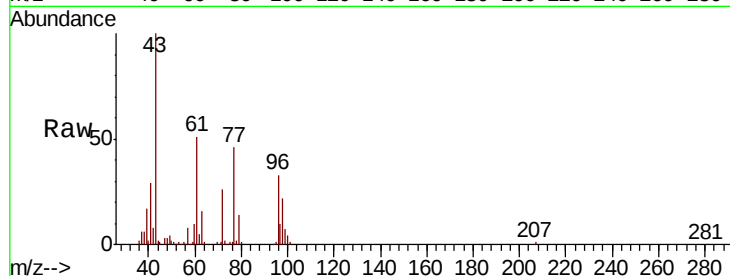




#25
2-Butanone
Concen: 261.937 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

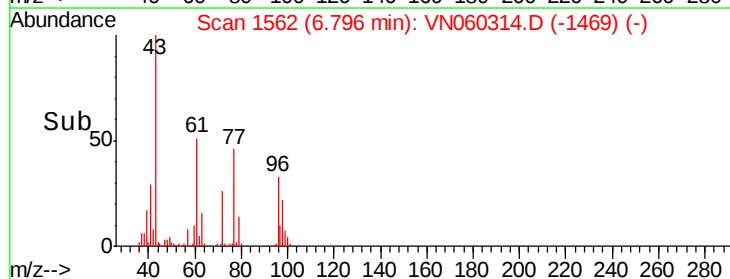
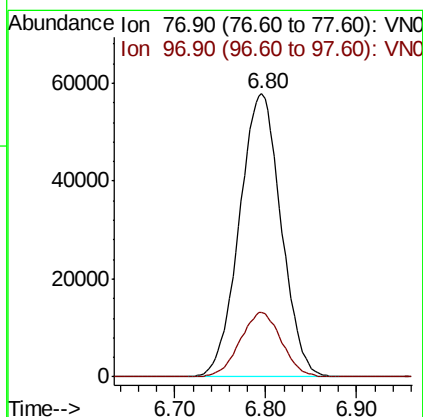
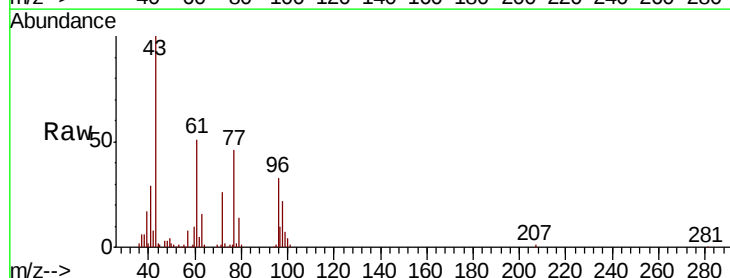
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 360037
Ion Ratio Lower Upper
43 100
72 26.1 20.9 31.3



#26
2,2-Dichloropropane
Concen: 48.477 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion: 77 Resp: 184100
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.762 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :
MSVOA_N
ClientSampleId :

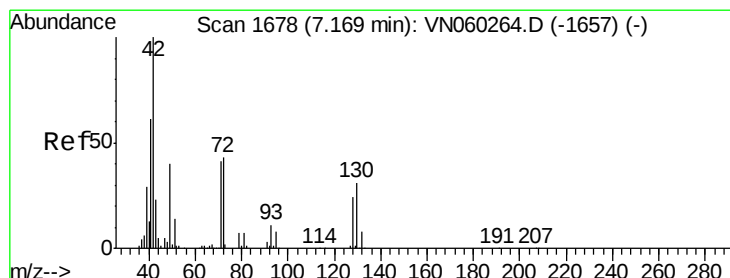
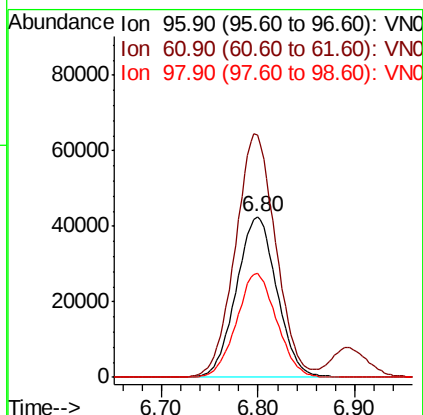
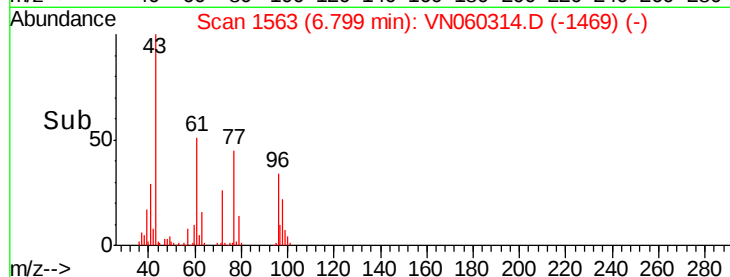
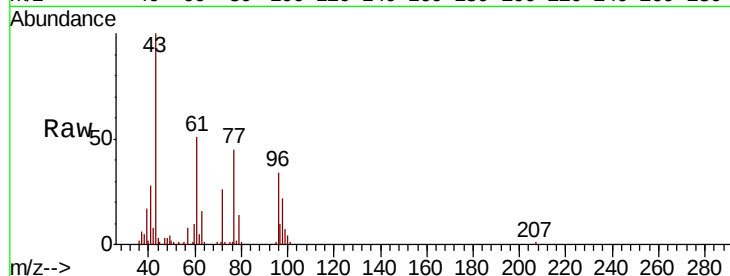
Tot Ion: 96 Resp: 124011

Ion Ratio Lower Upper

96 100

61 151.1 0.0 300.8

98 64.1 0.0 128.2



#28

Bromochloromethane

Concen: 47.288 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

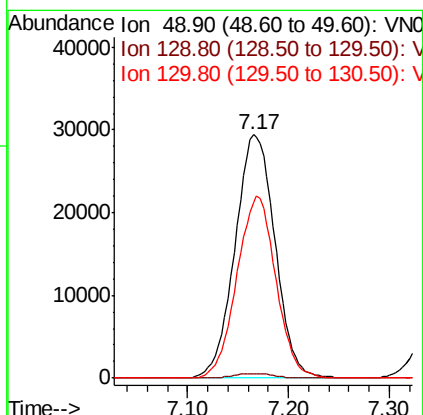
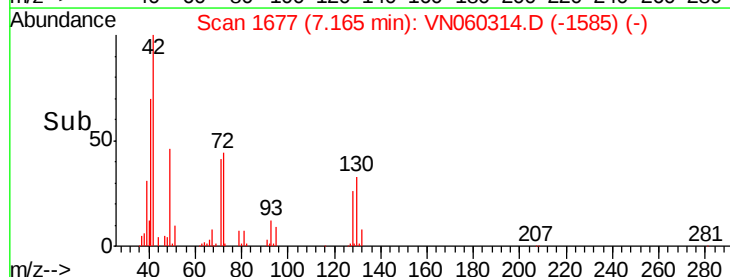
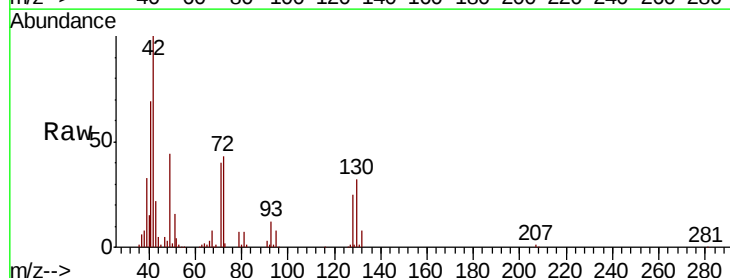
Tgt Ion: 49 Resp: 80993

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

130 72.7 59.8 89.8





#29

Tetrahydrofuran

Concen: 250.199 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :
MSVOA_N
ClientSampled :

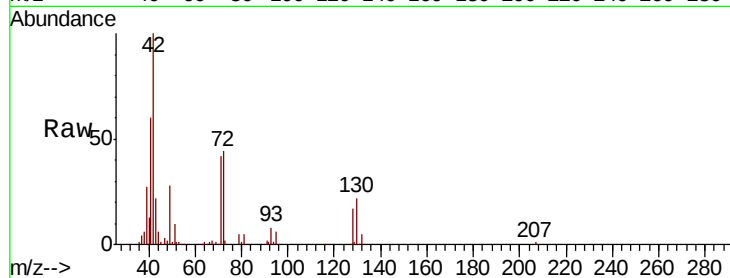
Tot Ion: 42 Resp: 239142

Ion Ratio Lower Upper

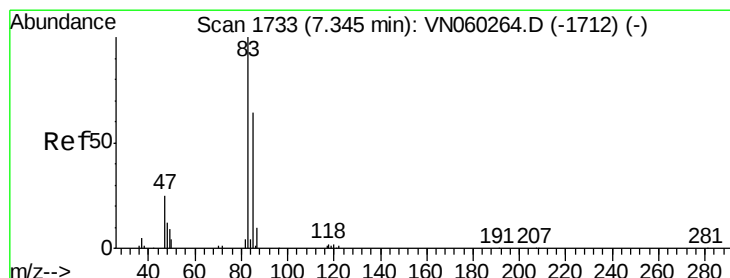
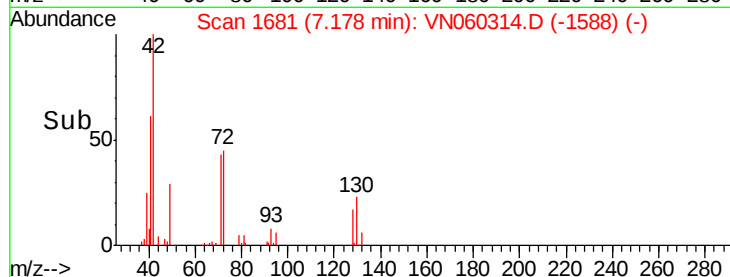
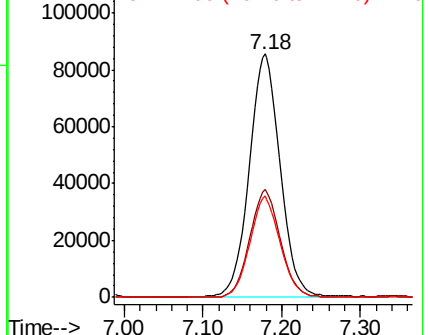
42 100

72 43.7 34.6 52.0

71 40.6 32.9 49.3



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



#30

Chloroform

Concen: 49.326 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060314.D

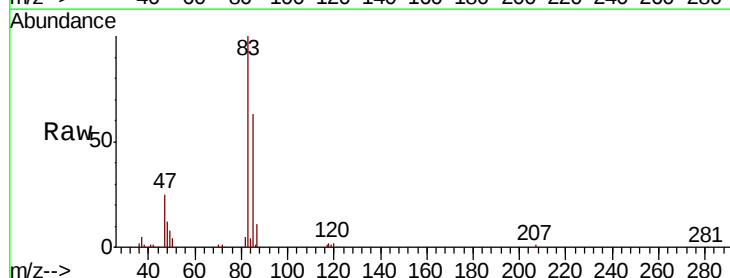
Acq: 2 Mar 2020 16:23

Tgt Ion: 83 Resp: 204835

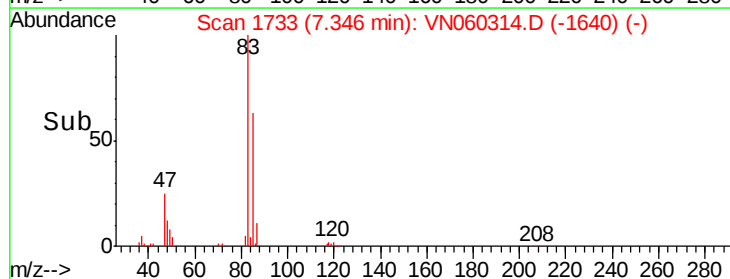
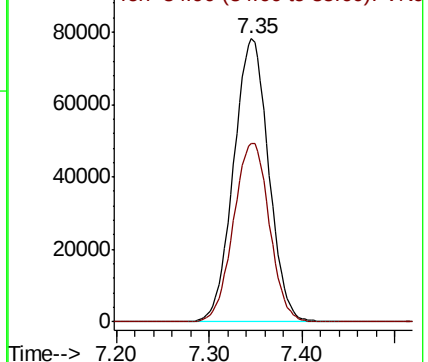
Ion Ratio Lower Upper

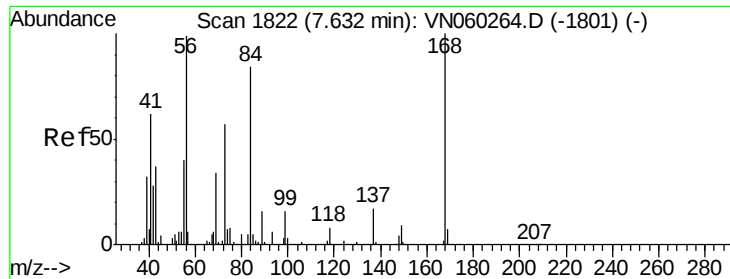
83 100

85 63.2 51.4 77.2



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

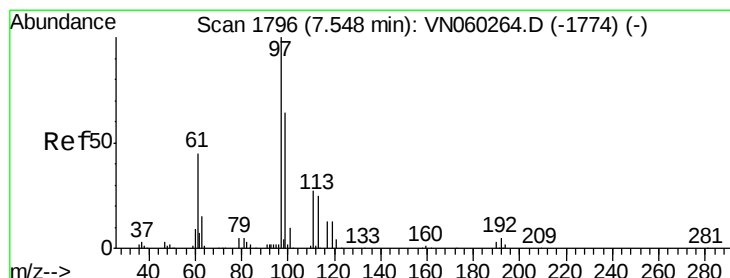
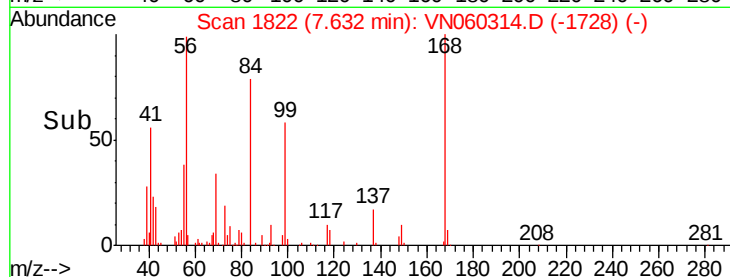
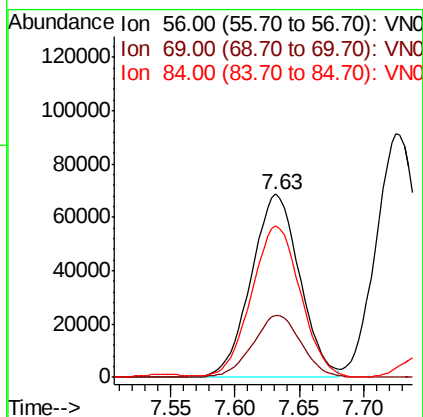
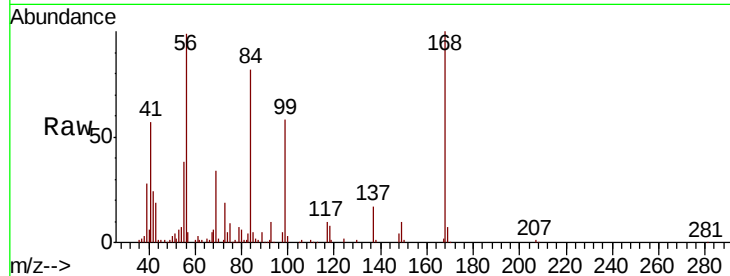




#31
Cyclohexane
Concen: 50.663 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

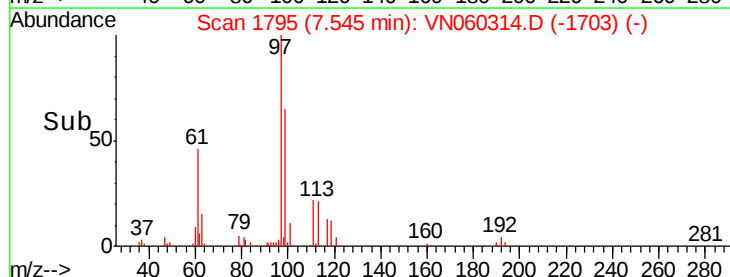
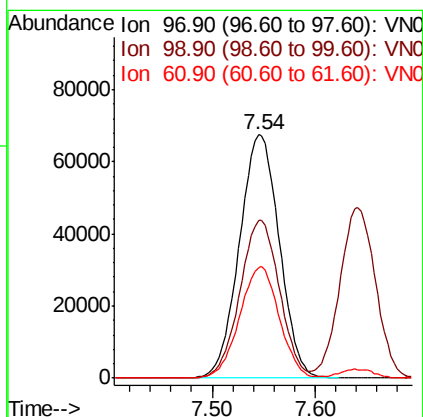
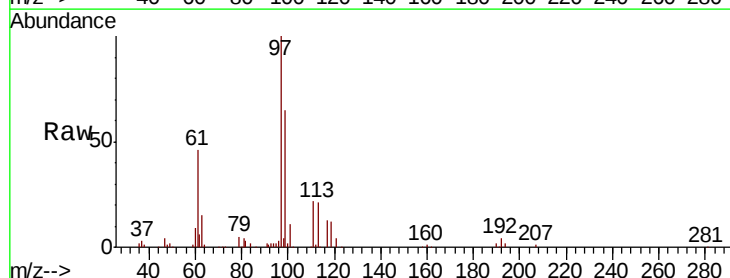
Instrument :
MSVOA_N
ClientSampled :

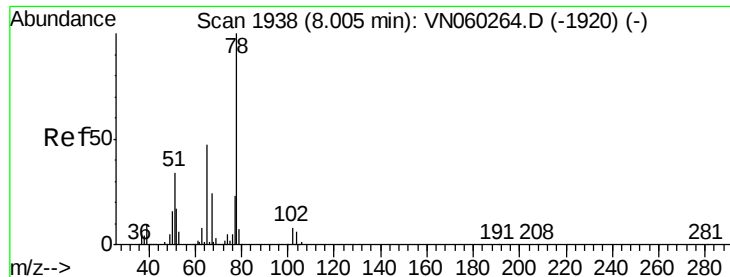
Tot Ion: 56 Resp: 180290
Ion Ratio Lower Upper
56 100
69 34.0 27.2 40.8
84 81.5 66.7 100.1



#32
1,1,1-Trichloroethane
Concen: 49.357 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion: 97 Resp: 181603
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 45.5 36.6 55.0

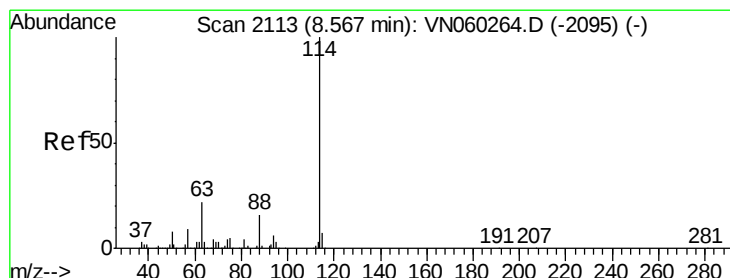
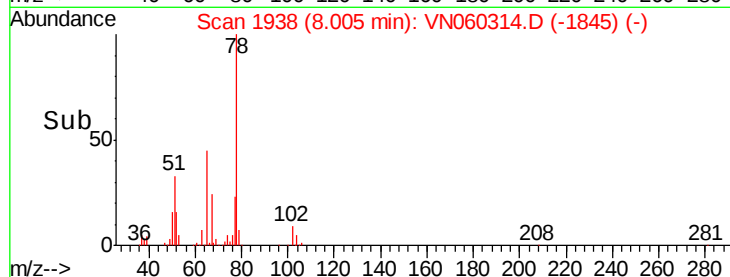
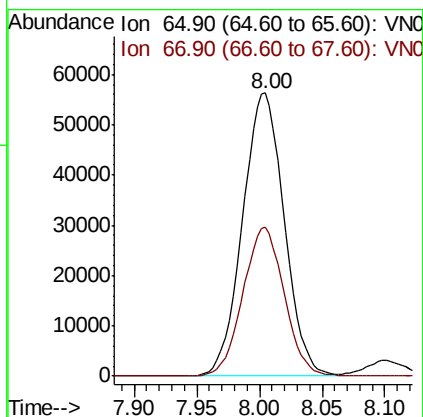
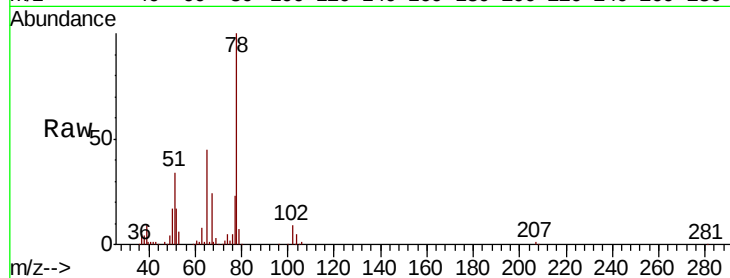




#33
 1,2-Dichloroethane-d4
 Concen: 49.421 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

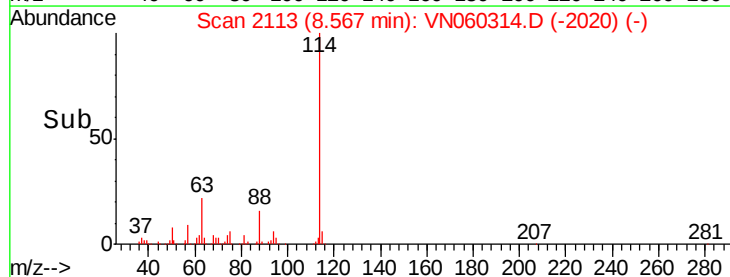
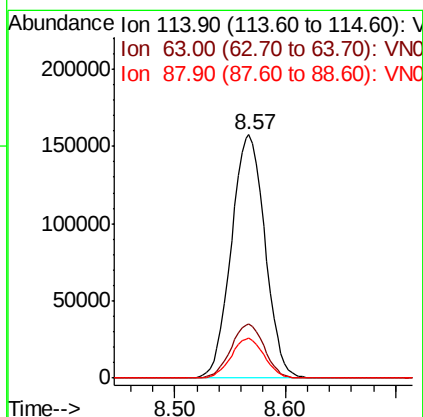
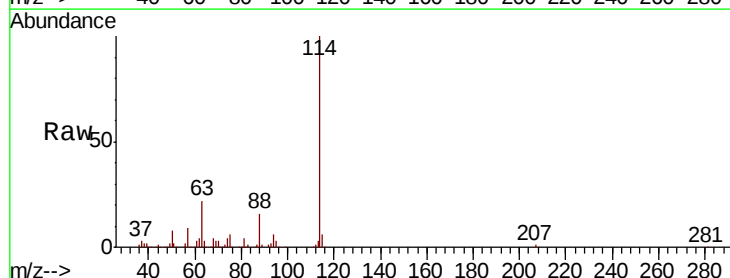
Instrument :
 MSVOA_N
 ClientSampleId :

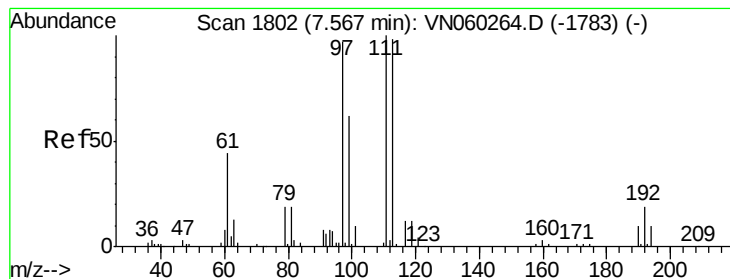
Tot Ion: 65 Resp: 130232
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion: 114 Resp: 333565
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.471 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampleId :

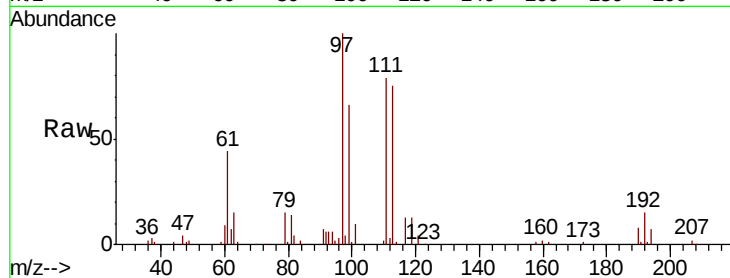
Tot Ion:113 Resp: 75048

Ion Ratio Lower Upper

113 100

111 104.0 82.4 123.6

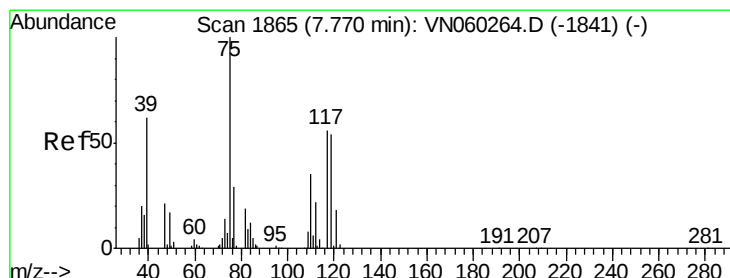
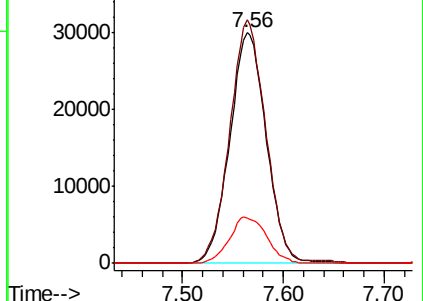
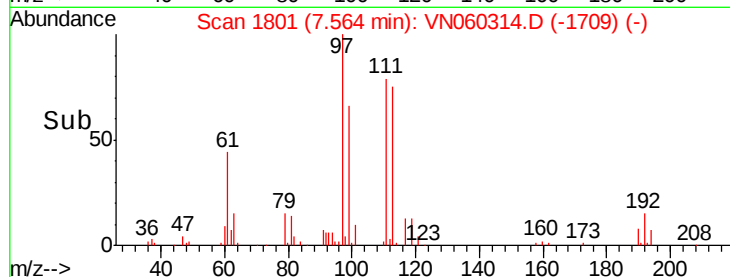
192 20.5 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.864 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

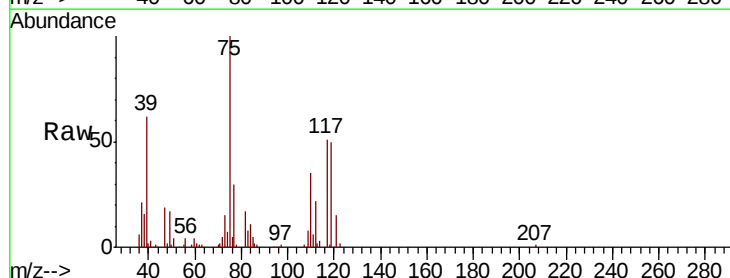
Tgt Ion: 75 Resp: 152163

Ion Ratio Lower Upper

75 100

110 34.6 17.3 52.0

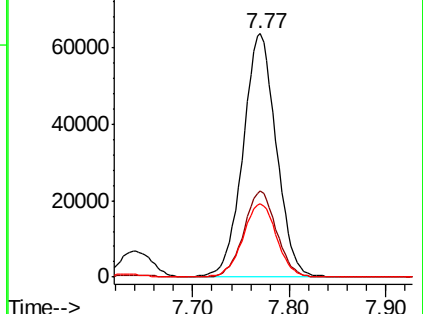
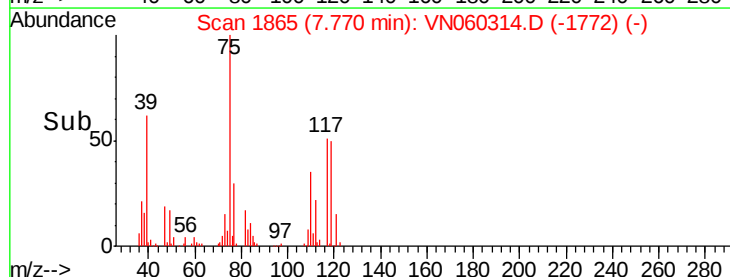
77 30.6 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

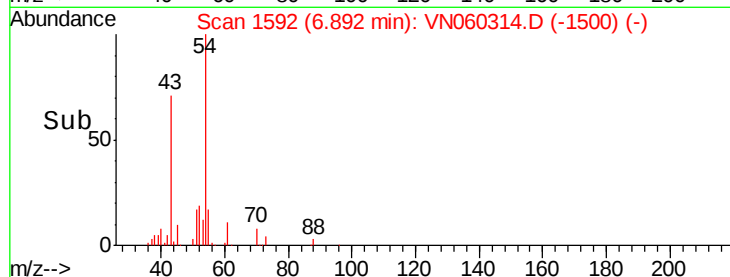
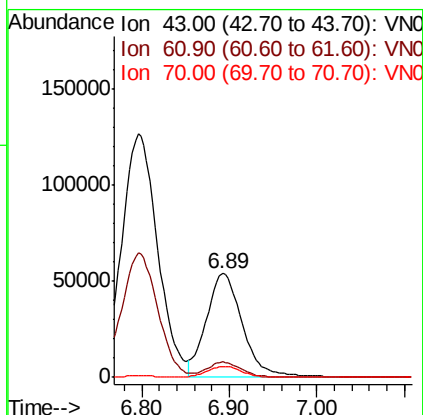
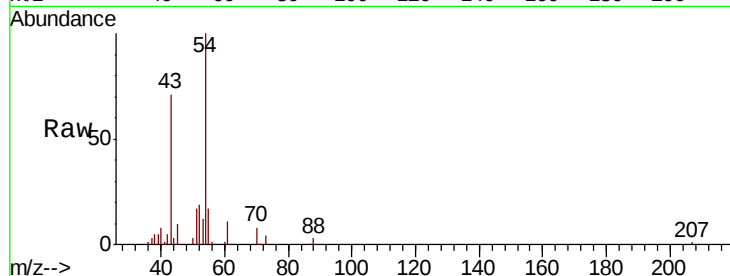




#37
Ethyl Acetate
Concen: 50.944 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

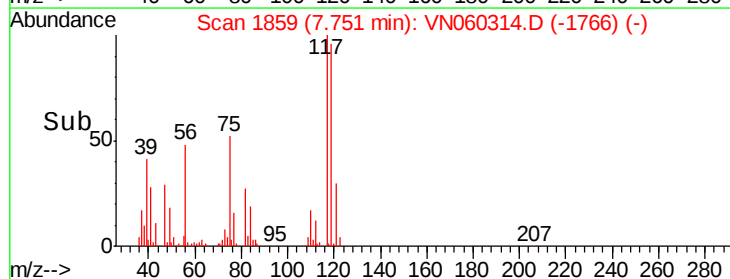
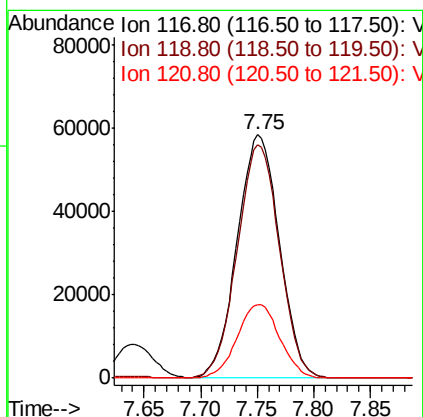
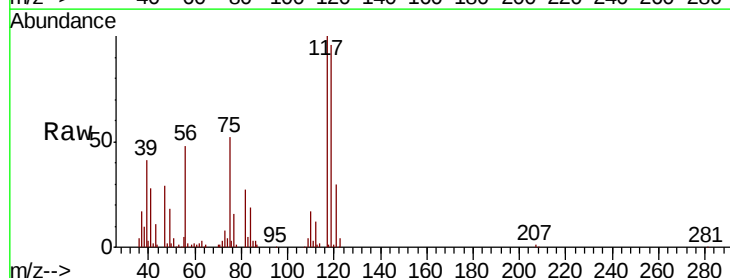
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 153351
Ion Ratio Lower Upper
43 100
61 14.0 11.1 16.7
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.129 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion: 117 Resp: 152064
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1
121 30.3 24.5 36.7

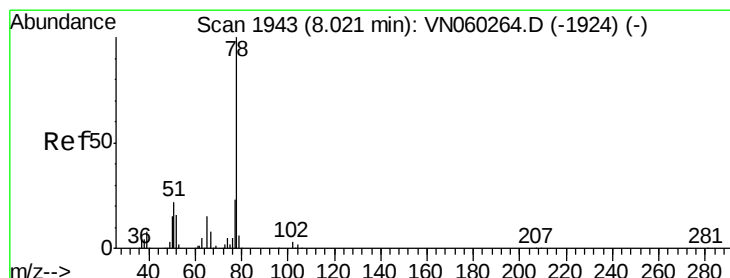
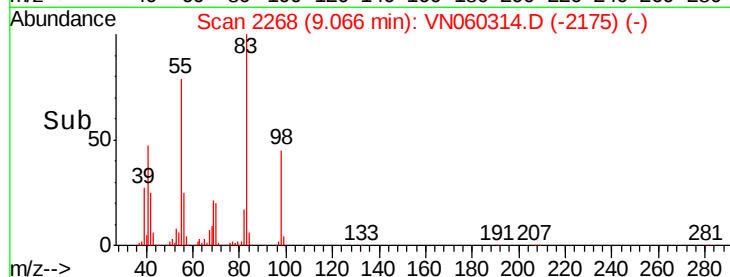
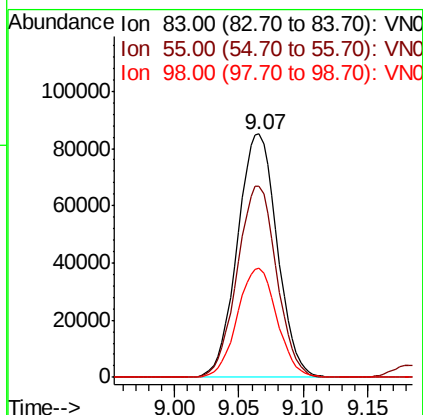
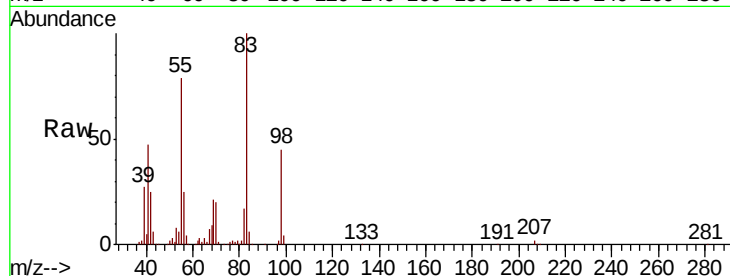




#39
Methvlcvclohexane
Concen: 48.726 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

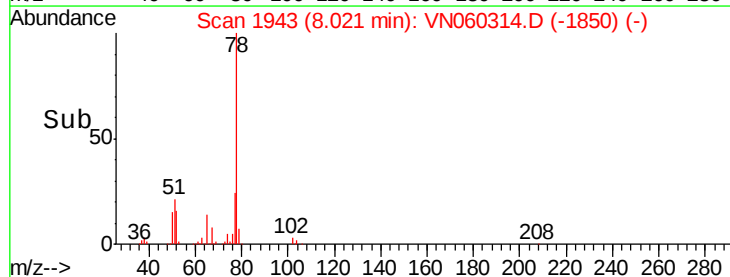
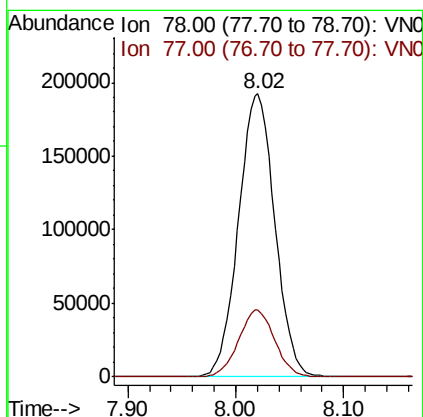
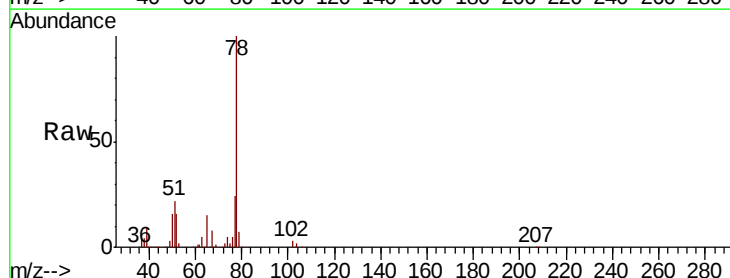
Instrument :
MSVOA_N
ClientSampled :

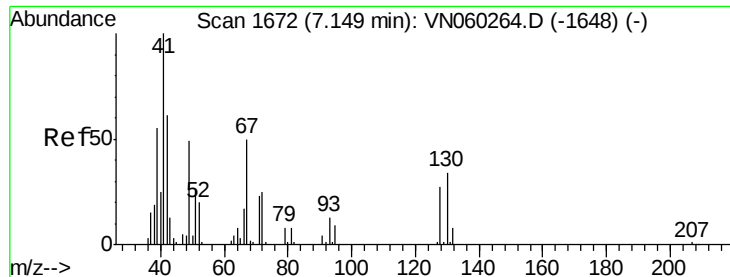
Tot Ion: 83 Resp: 182636
Ion Ratio Lower Upper
83 100
55 78.7 61.0 91.4
98 44.8 36.1 54.1



#40
Benzene
Concen: 48.709 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion: 78 Resp: 450694
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

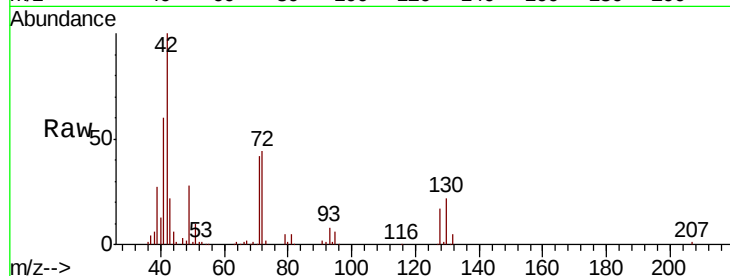




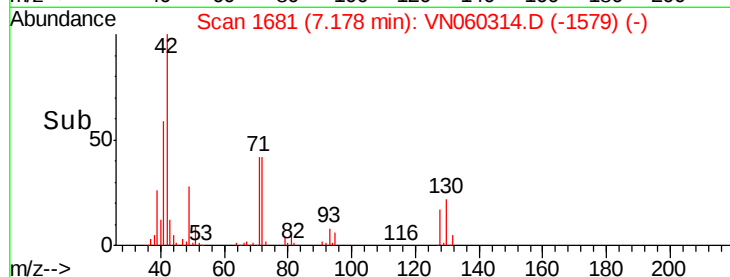
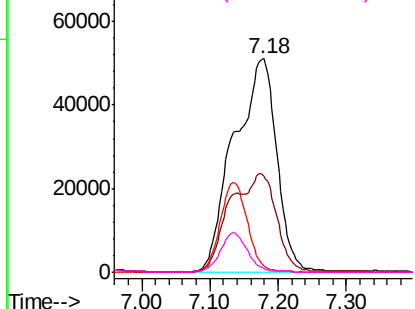
#41
Methacrylonitrile
Concen: 159.971 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	222343
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

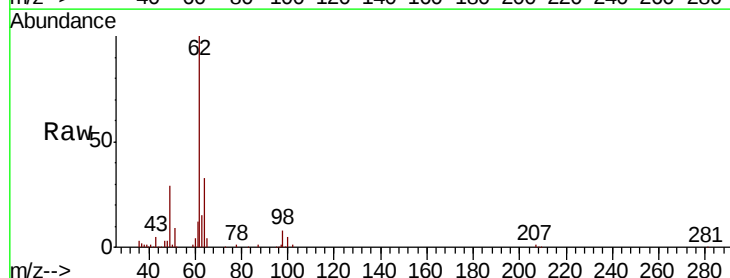


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

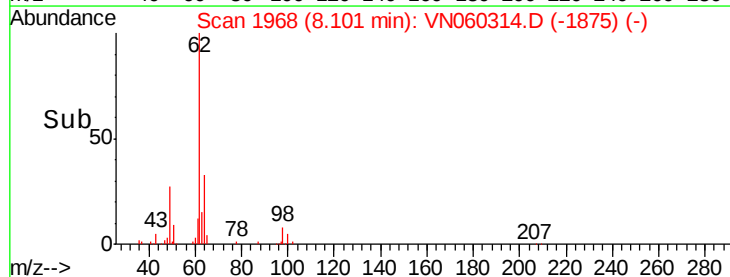
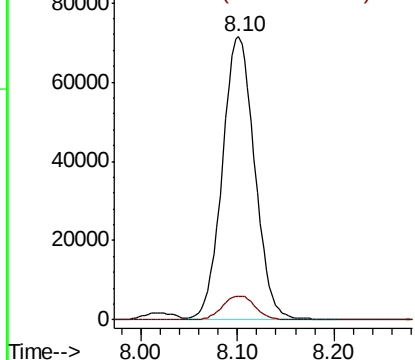


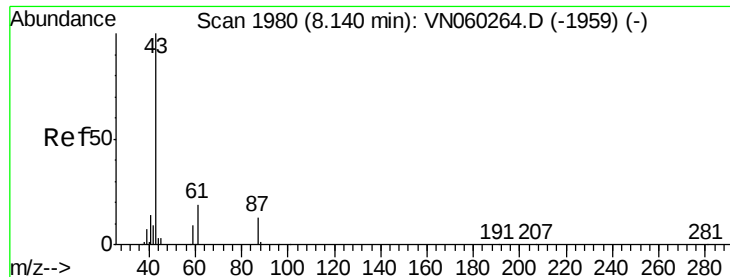
#42
1,2-Dichloroethane
Concen: 49.744 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion:	62	Resp:	166093
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 51.454 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampleId :

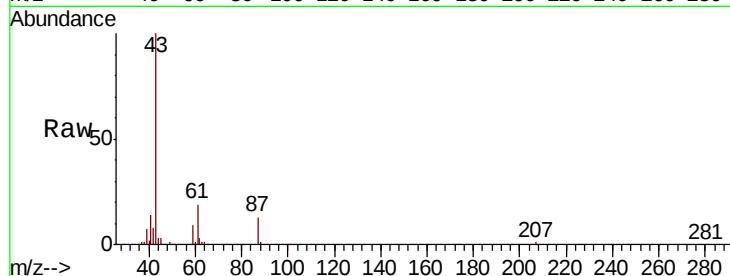
Tot Ion: 43 Resp: 271153

Ion Ratio Lower Upper

43 100

61 25.7 20.9 31.3

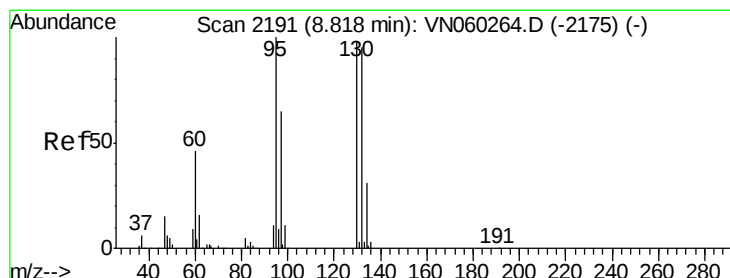
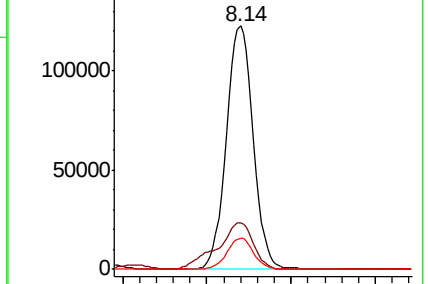
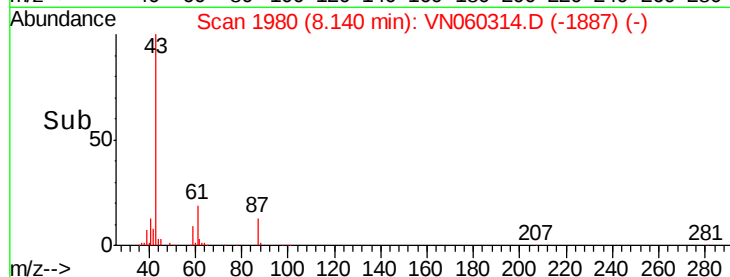
87 12.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060314.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060314.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060314.D (-1959) (-)



#44

Trichloroethene

Concen: 46.616 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060314.D

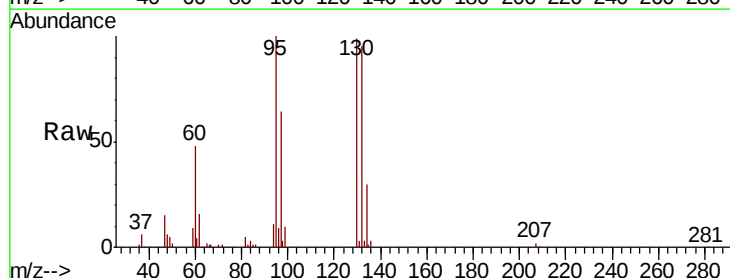
Acq: 2 Mar 2020 16:23

Tgt Ion: 130 Resp: 120129

Ion Ratio Lower Upper

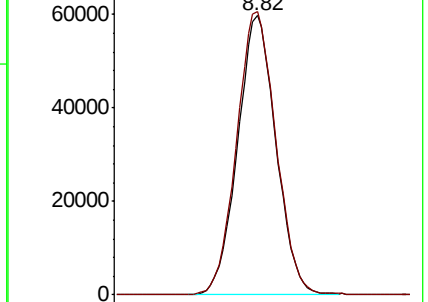
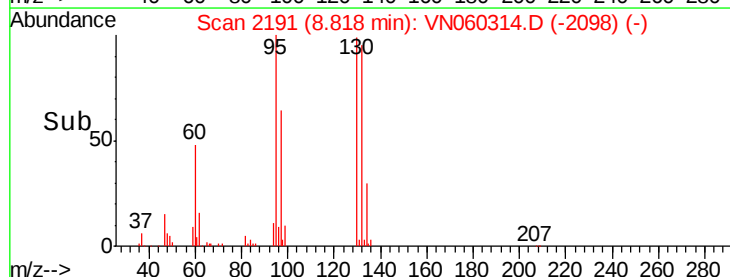
130 100

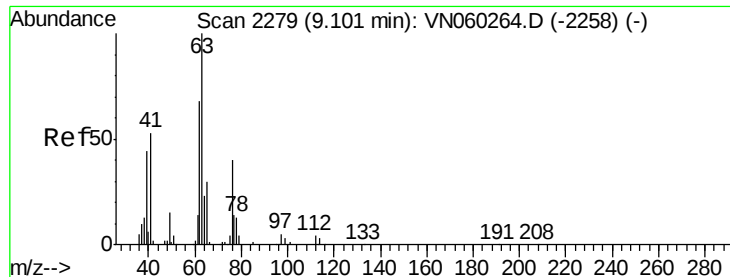
95 101.4 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060314.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060314.D (-2175) (-)

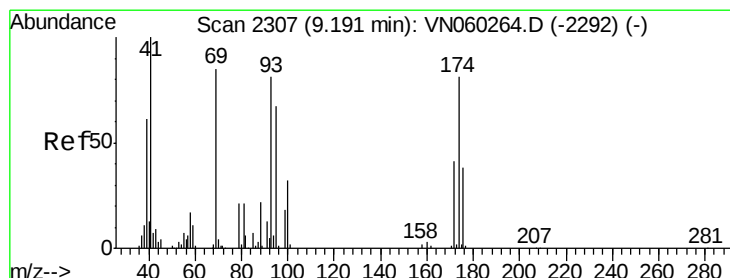
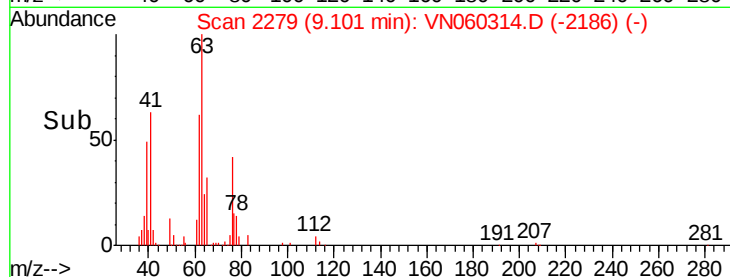
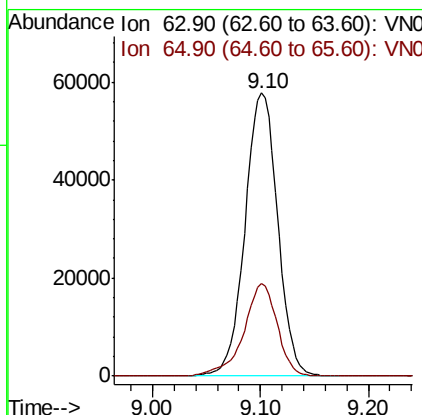
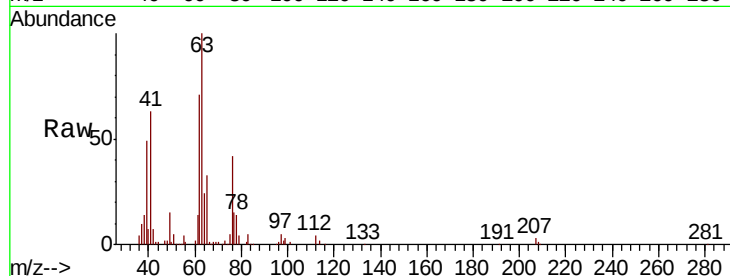




#45
 1,2-Dichloropropane
 Concen: 50.287 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

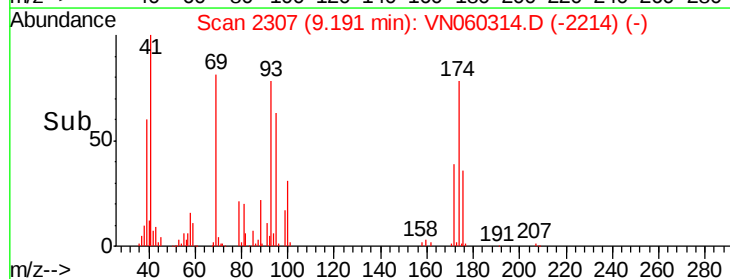
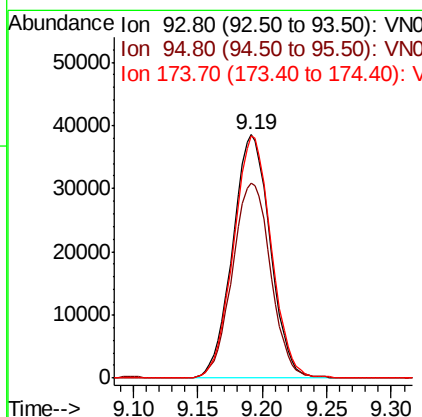
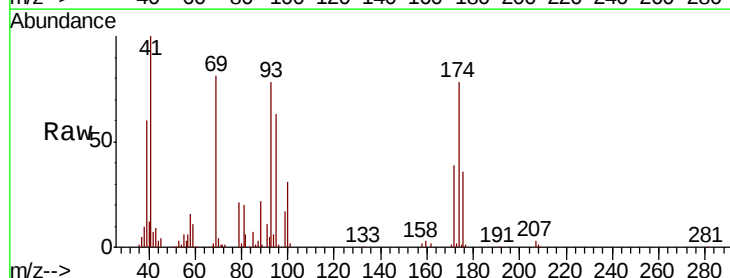
Instrument :
 MSVOA_N
 ClientSampleId :

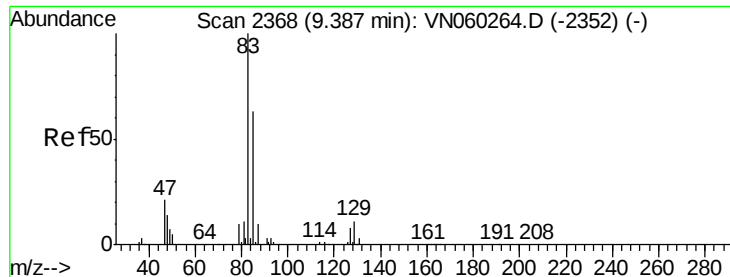
Tot Ion: 63 Resp: 121653
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.4 36.6



#46
 Dibromomethane
 Concen: 49.739 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion: 93 Resp: 78076
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.9 98.9
 174 99.7 79.6 119.4





#47

Bromodichloromethane

Concen: 50.942 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampleId :

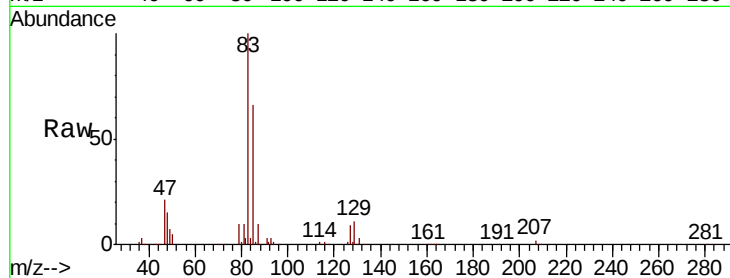
Tot Ion: 83 Resp: 162636

Ion Ratio Lower Upper

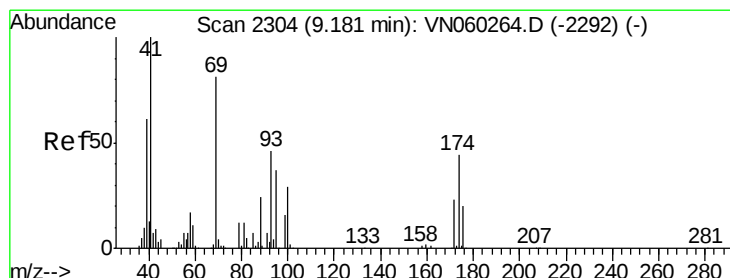
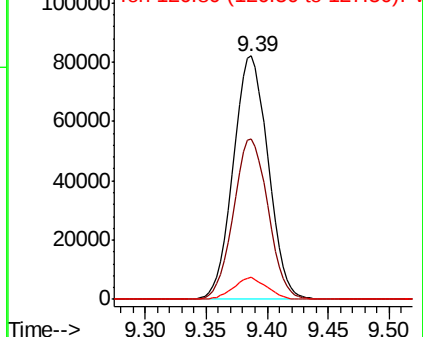
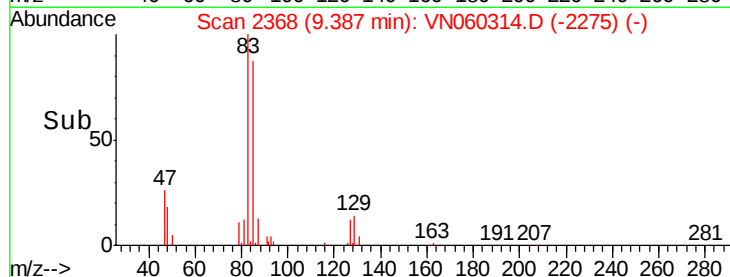
83 100

85 65.9 50.7 76.1

127 8.9 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060314.D (-2275) (-)



#48

Methyl methacrylate

Concen: 50.110 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

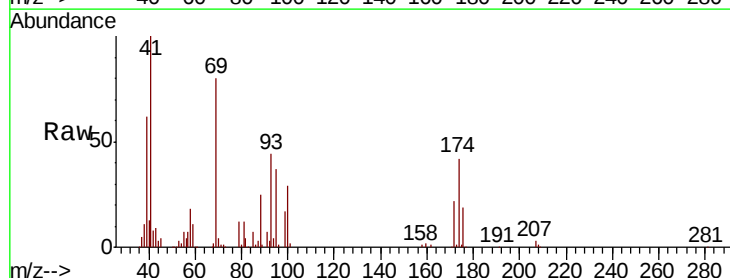
Tgt Ion: 41 Resp: 120420

Ion Ratio Lower Upper

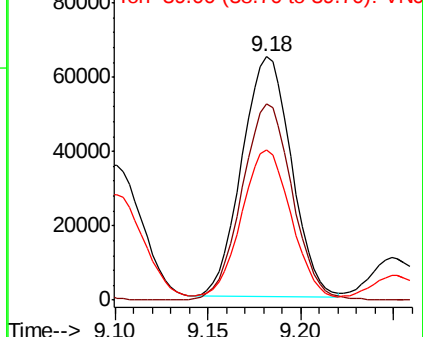
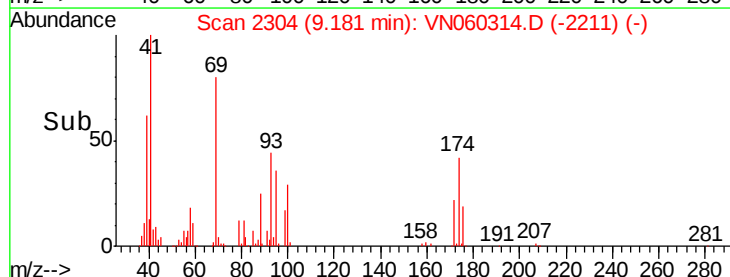
41 100

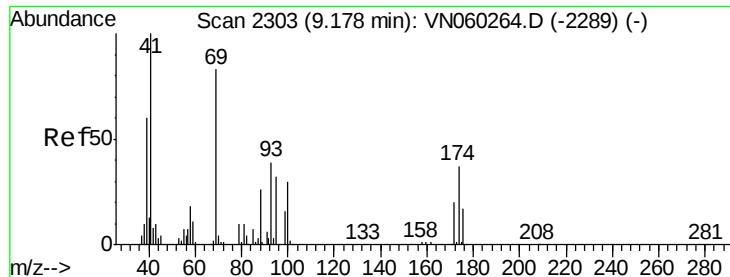
69 83.0 66.7 100.1

39 63.4 50.1 75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060314.D (-2211) (-)





#49

1,4-Dioxane

Concen: 1013.198 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :
MSVOA_N
ClientSampleId :

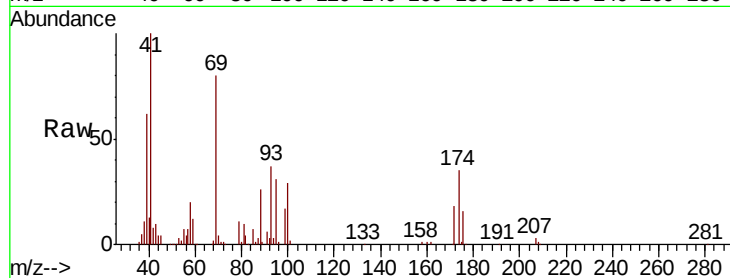
Tot Ion: 88 Resp: 34240

Ion Ratio Lower Upper

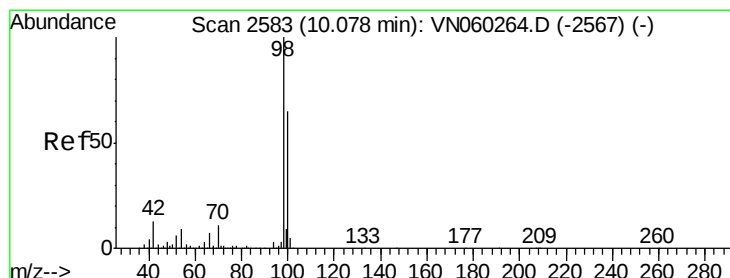
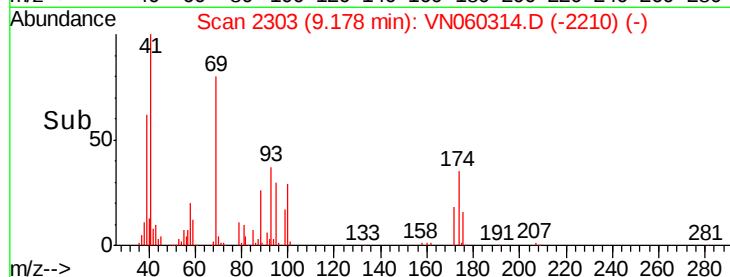
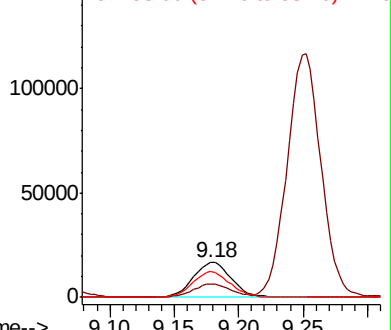
88 100

43 37.7 30.4 45.6

58 72.9 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: 49.012 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060314.D

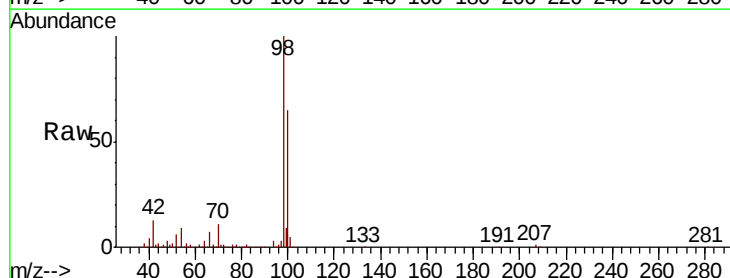
Acq: 2 Mar 2020 16:23

Tgt Ion: 98 Resp: 384063

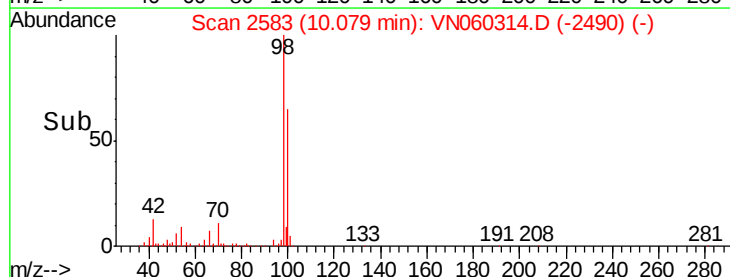
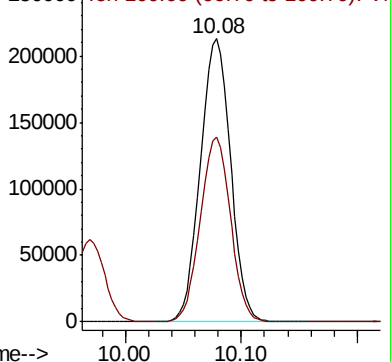
Ion Ratio Lower Upper

98 100

100 65.1 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: 261.484 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

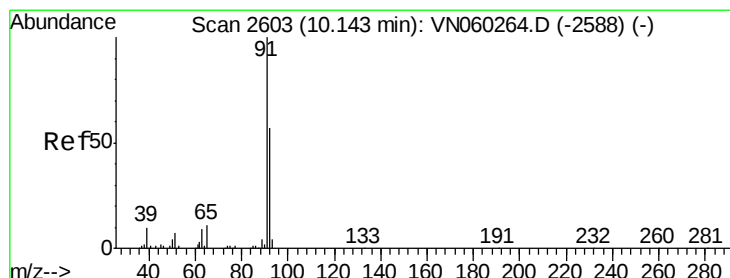
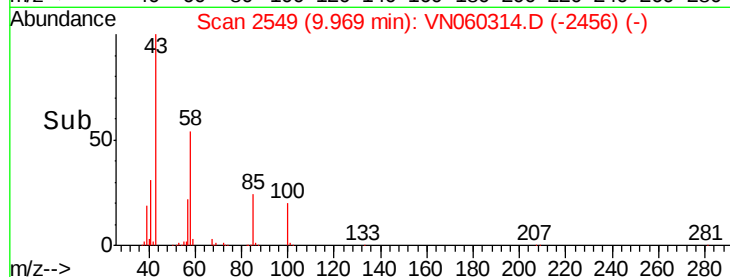
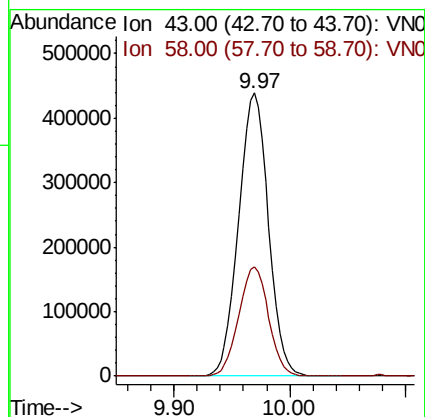
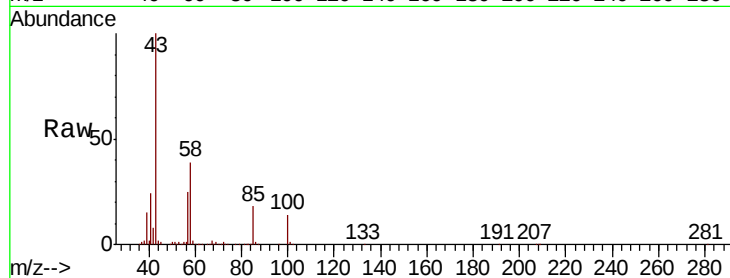
ClientSampleId :

Tot Ion: 43 Resp: 781281

Ion Ratio Lower Upper

43 100

58 38.6 30.9 46.3



#52

Toluene

Concen: 49.142 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060314.D

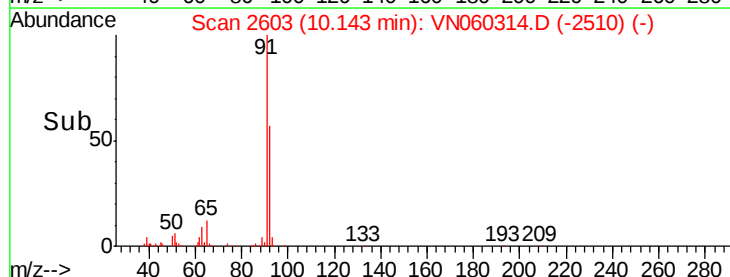
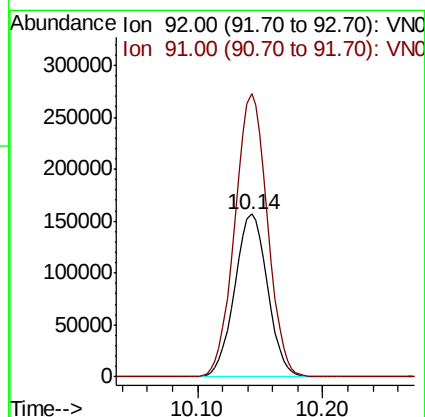
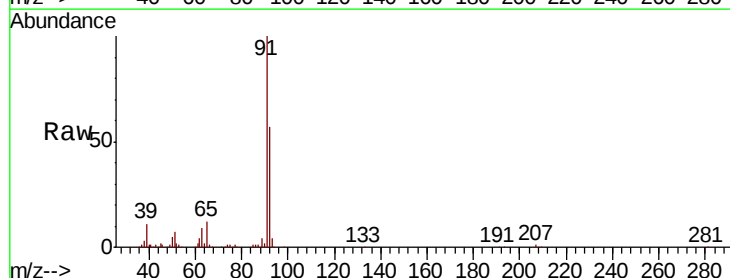
Acq: 2 Mar 2020 16:23

Tgt Ion: 92 Resp: 285629

Ion Ratio Lower Upper

92 100

91 172.6 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 48.633 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

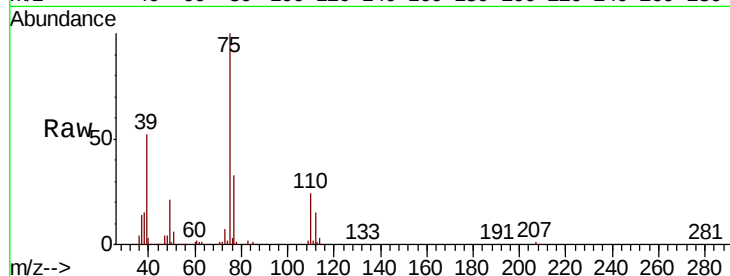
ClientSampled :

Tot Ion: 75 Resp: 190248

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

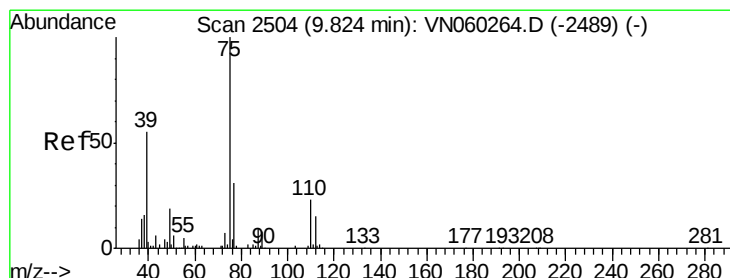
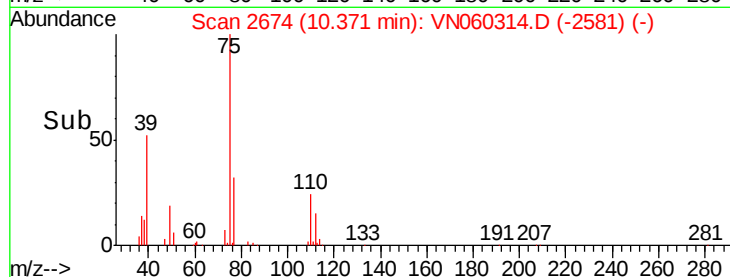
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.288 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

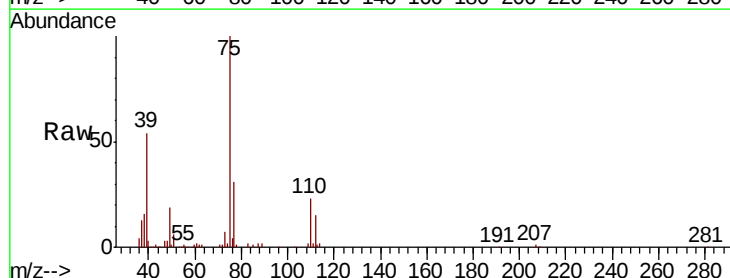
Tgt Ion: 75 Resp: 199794

Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 54.0 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

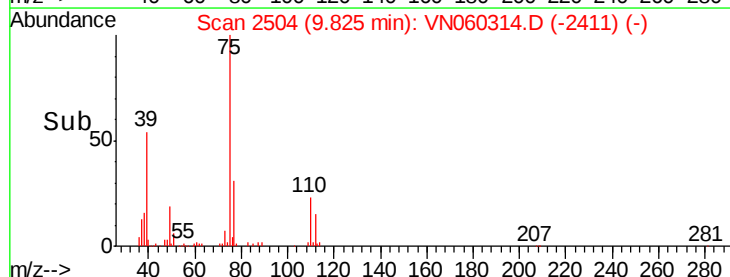
150000

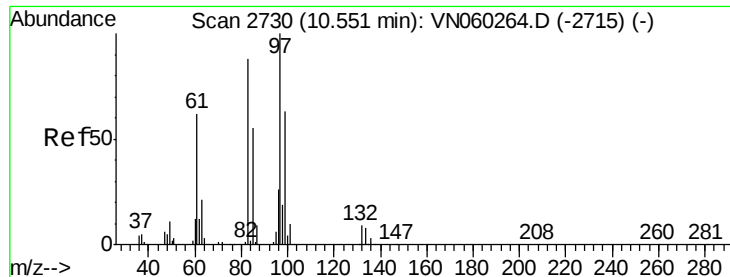
100000

50000

0

Time-->

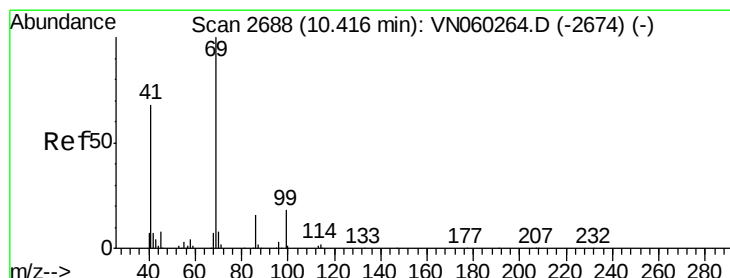
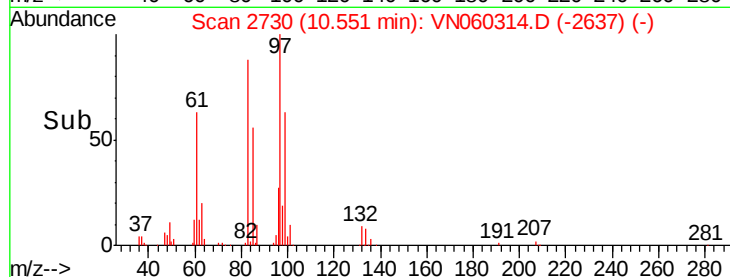
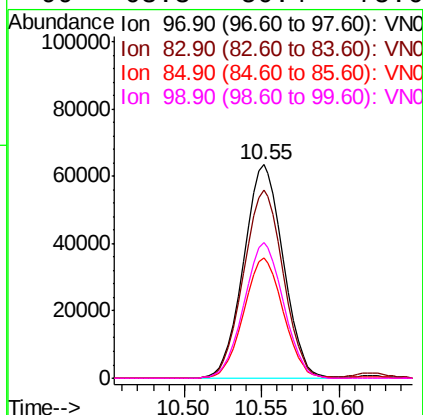
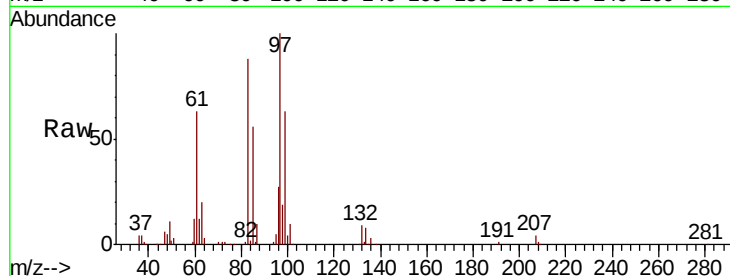




#55
 1,1,2-Trichloroethane
 Concen: 48.411 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

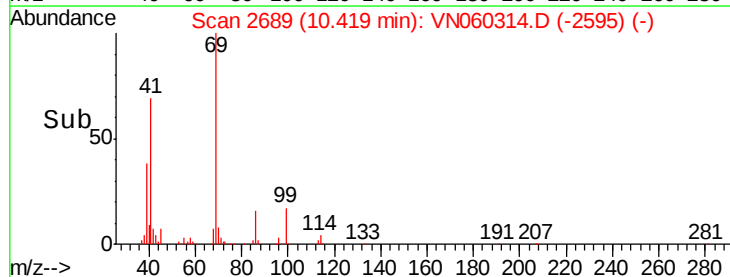
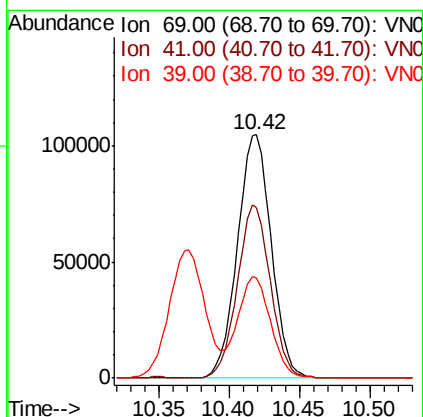
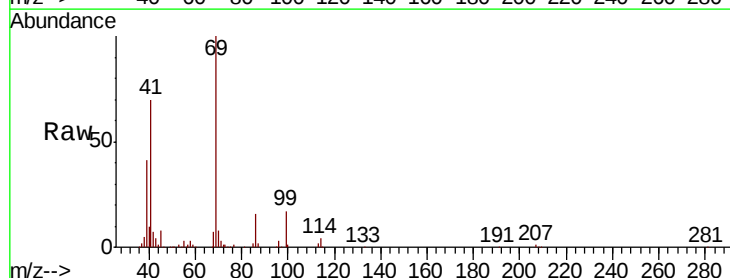
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	113153
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.0	105.0
85	56.1	44.0	66.0
99	63.3	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 52.527 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion:	69	Resp:	176384
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.1	81.1
39	41.1	32.5	48.7





#57

1,3-Dichloropropane

Concen: 50.090 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

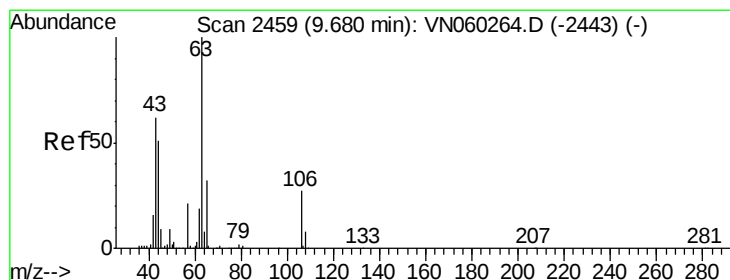
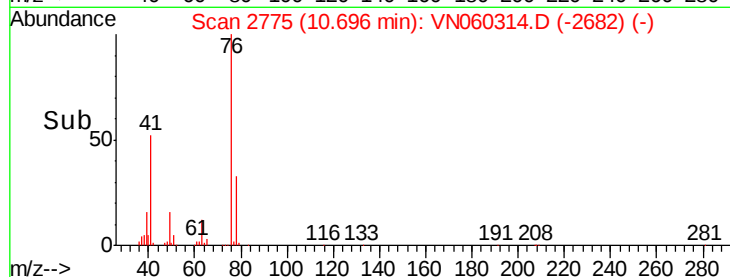
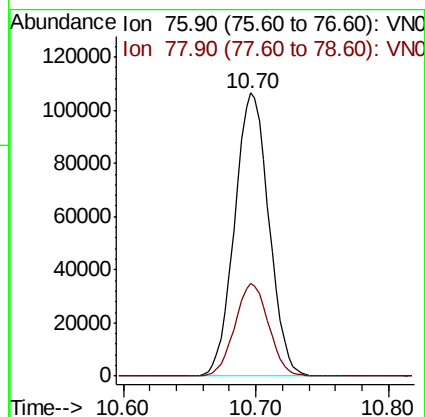
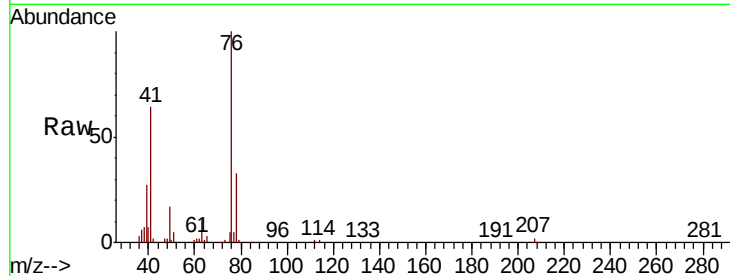
ClientSampleId :

Tot Ion: 76 Resp: 190933

Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 261.854 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060314.D

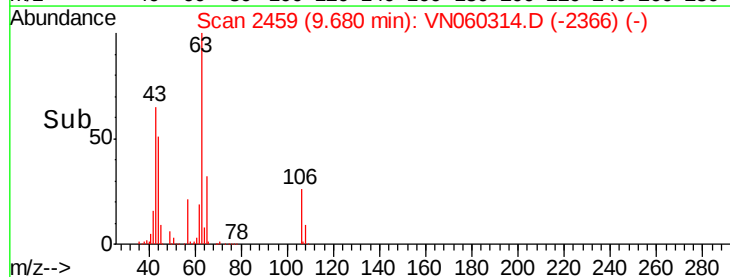
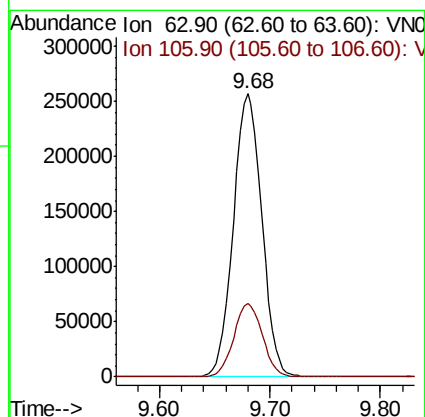
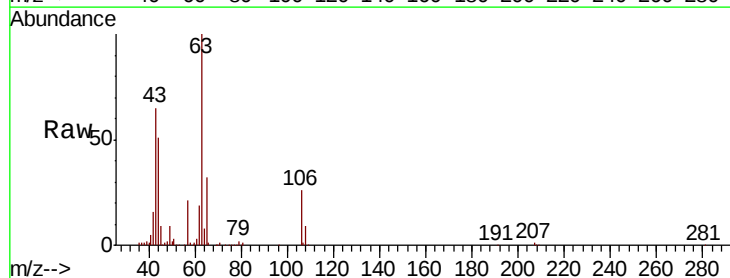
Acq: 2 Mar 2020 16:23

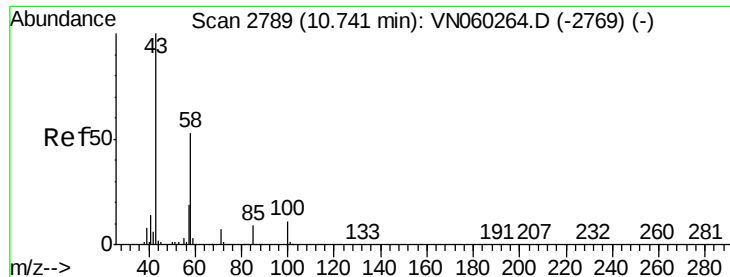
Tgt Ion: 63 Resp: 459879

Ion Ratio Lower Upper

63 100

106 26.0 21.1 31.7

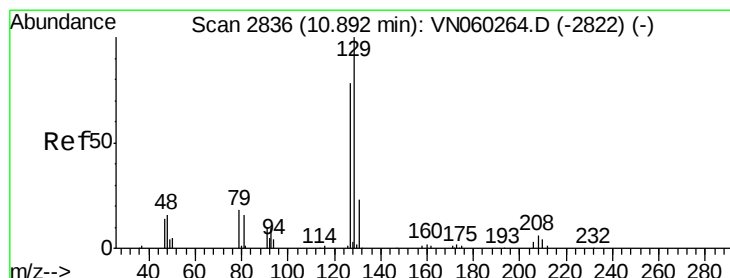
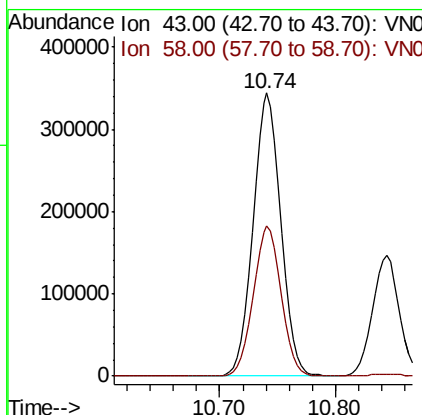
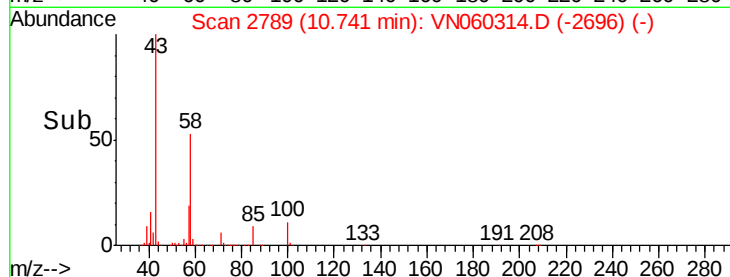
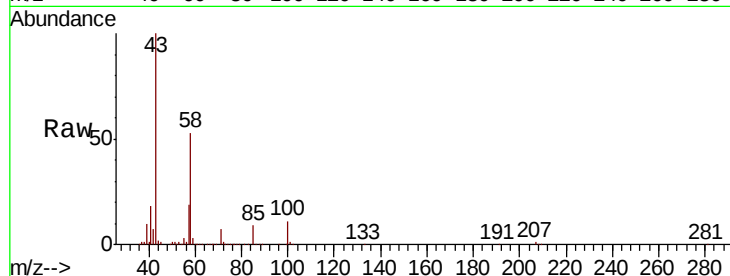




#59
2-Hexanone
Concen: 262.269 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

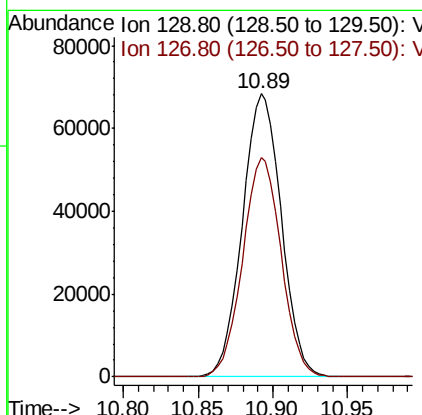
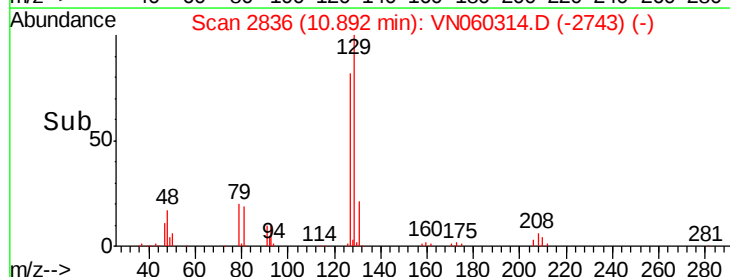
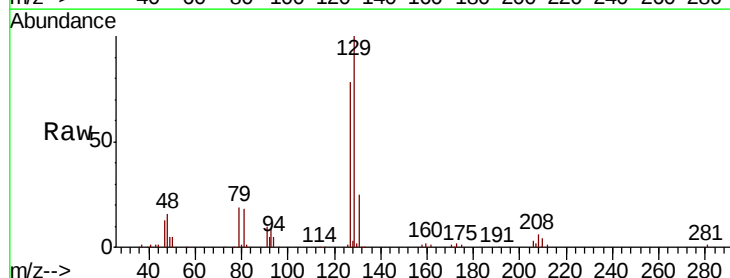
Instrument :
MSVOA_N
ClientSampled :

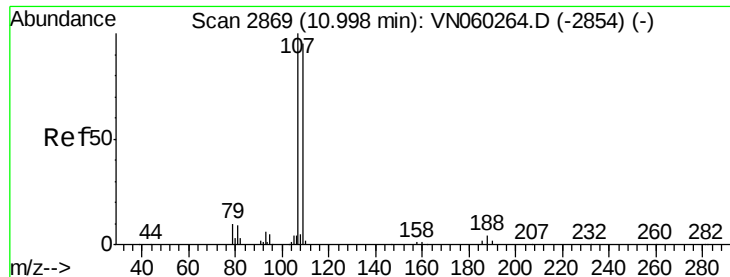
Tot Ion: 43 Resp: 575359
Ion Ratio Lower Upper
43 100
58 53.3 26.5 79.5



#60
Dibromochloromethane
Concen: 52.129 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion: 129 Resp: 123911
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.7

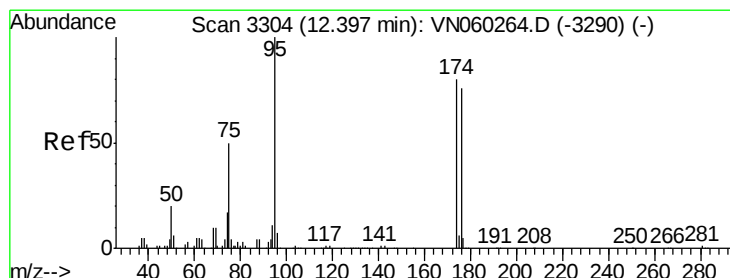
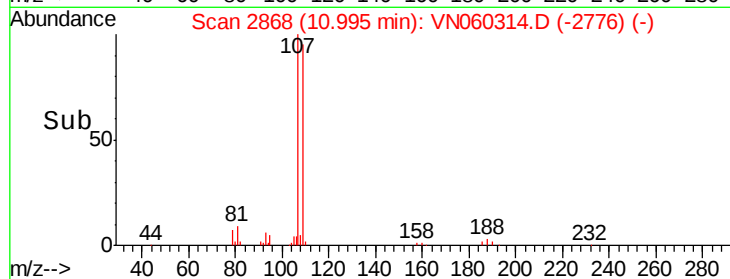
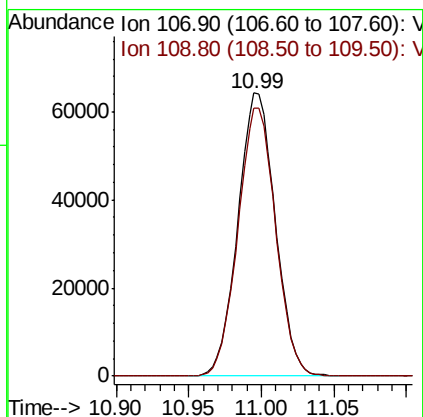
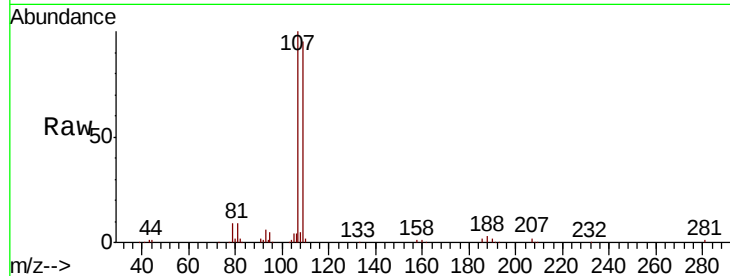




#61
 1,2-Dibromoethane
 Concen: 50.528 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

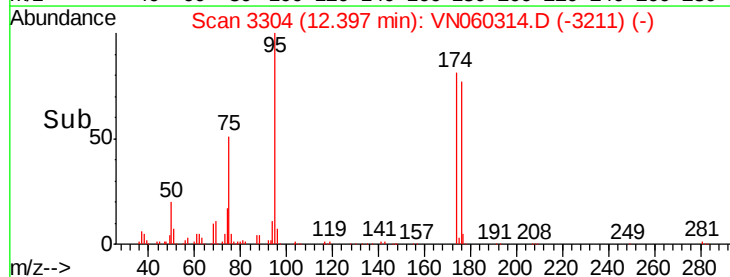
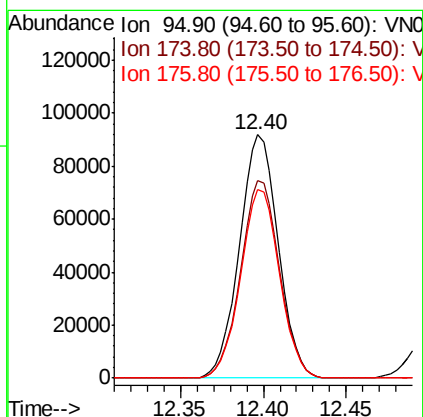
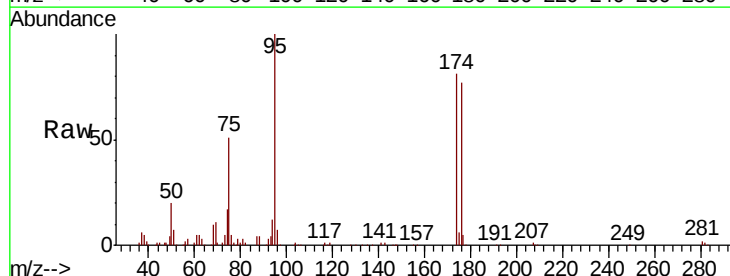
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 115129
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.181 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion: 95 Resp: 149062
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 159.2
 176 78.0 0.0 153.8

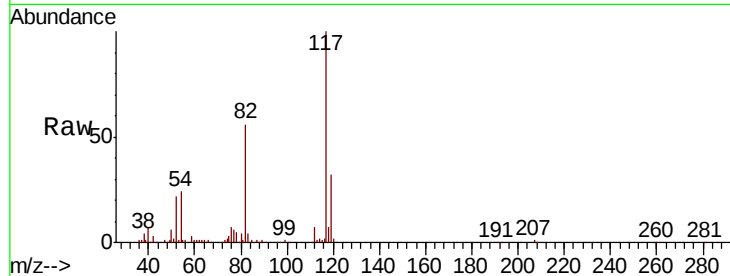




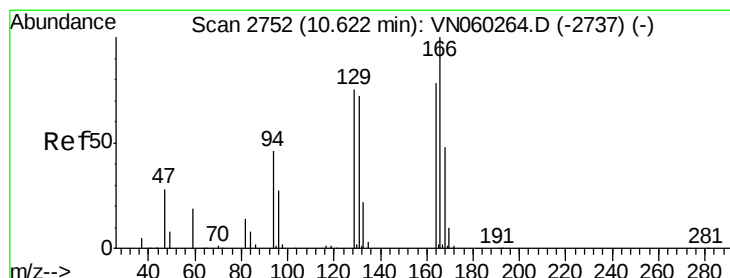
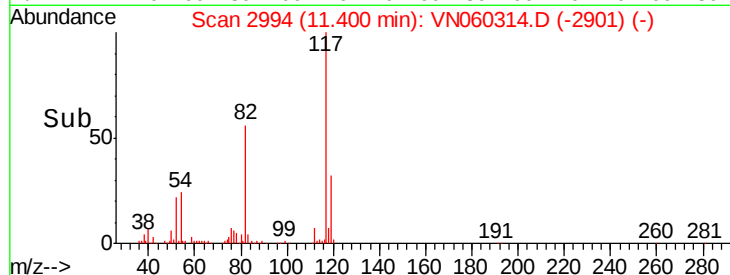
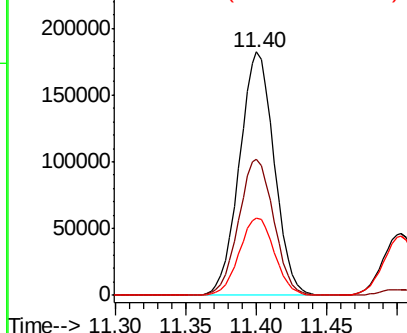
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 314408
Ion Ratio Lower Upper
117 100
82 56.0 45.8 68.6
119 31.9 25.8 38.8

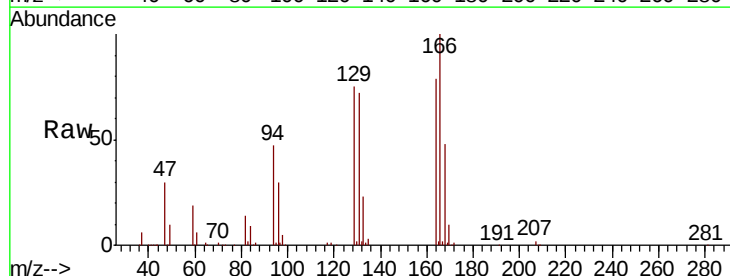


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

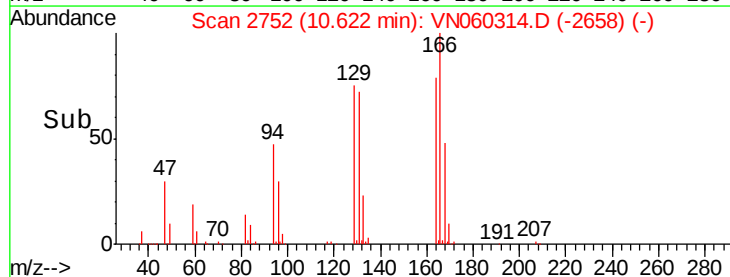
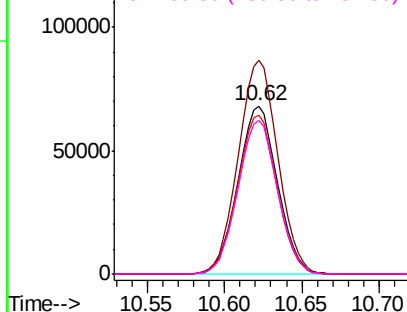


#64
Tetrachloroethene
Concen: 48.536 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion:164 Resp: 120254
Ion Ratio Lower Upper
164 100
166 127.3 102.0 153.0
129 95.0 76.4 114.6
131 91.6 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: 47.598 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

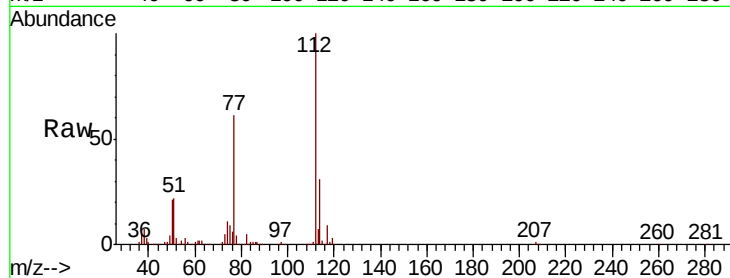
ClientSampleId :

Tot Ion:112 Resp: 302186

Ion Ratio Lower Upper

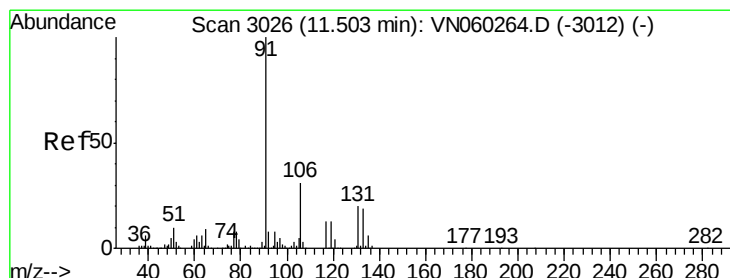
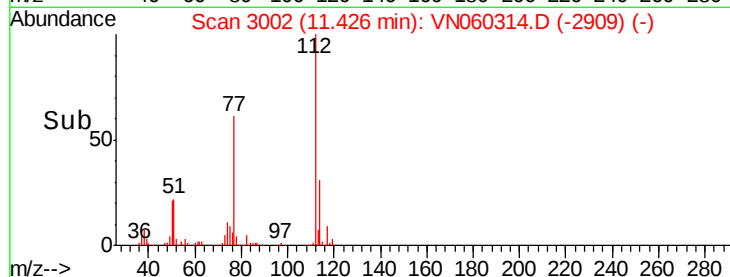
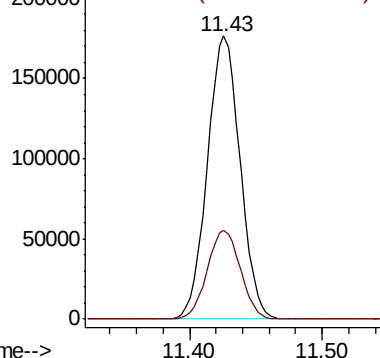
112 100

114 31.3 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.181 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

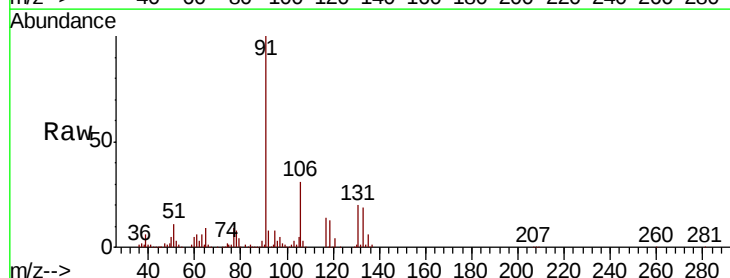
Tgt Ion:131 Resp: 115448

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

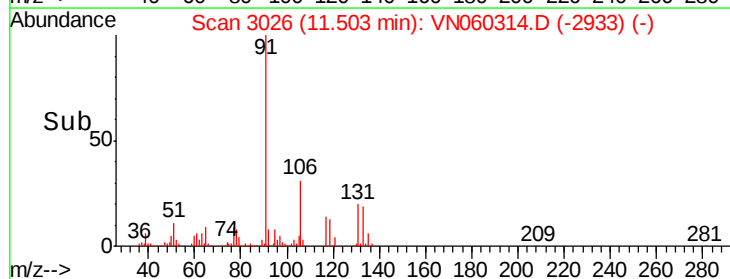
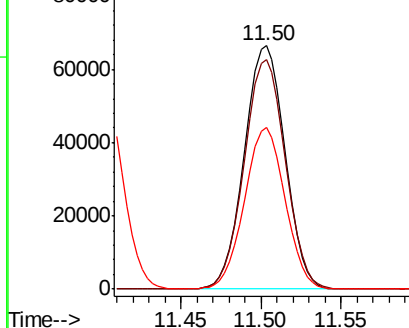
119 66.0 33.2 99.6



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





#67

Ethyl Benzene

Concen: 48.703 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

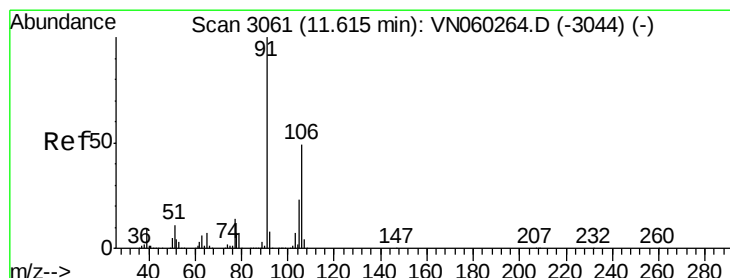
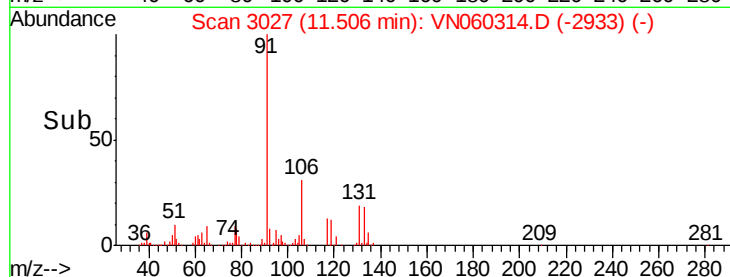
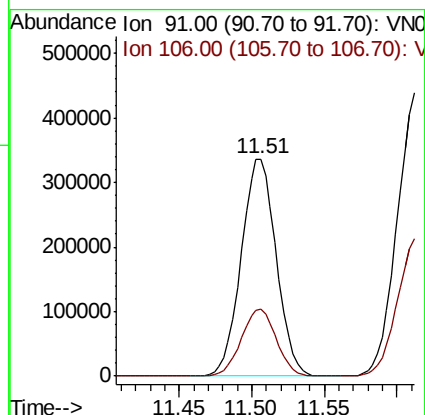
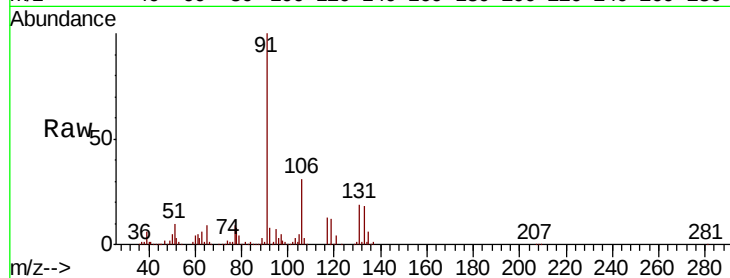
ClientSampled :

Tot Ion: 91 Resp: 563082

Ion Ratio Lower Upper

91 100

106 30.8 24.7 37.1



#68

m/p-Xylenes

Concen: 96.467 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060314.D

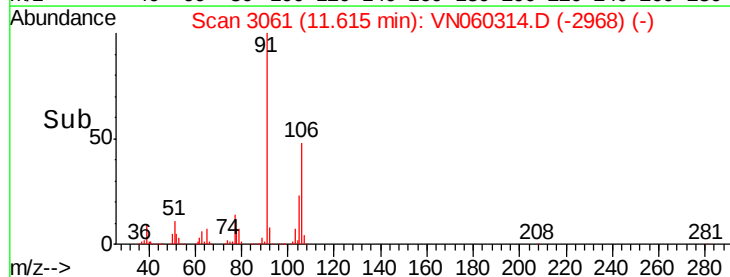
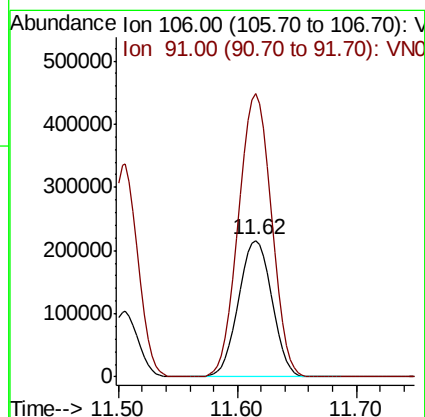
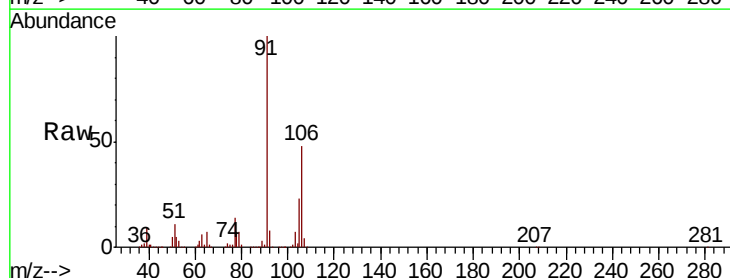
Acq: 2 Mar 2020 16:23

Tgt Ion: 106 Resp: 420795

Ion Ratio Lower Upper

106 100

91 205.7 164.5 246.7

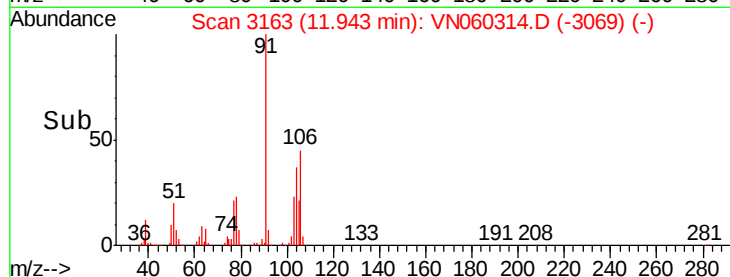
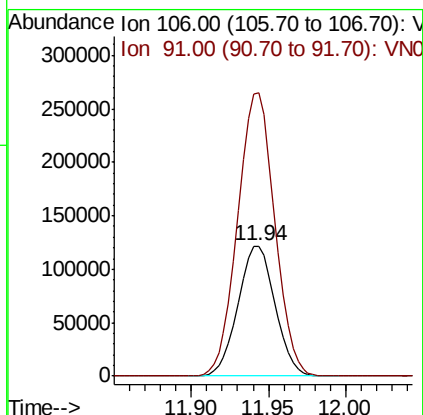
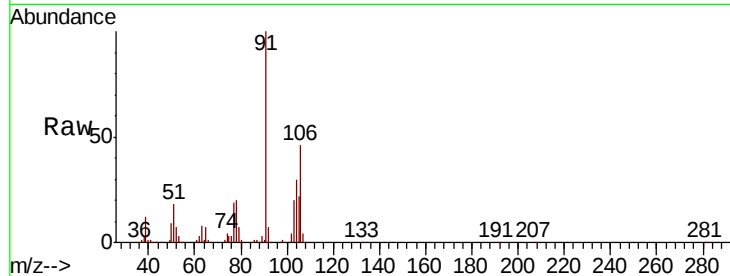




#69
o-Xylene
Concen: 48.778 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

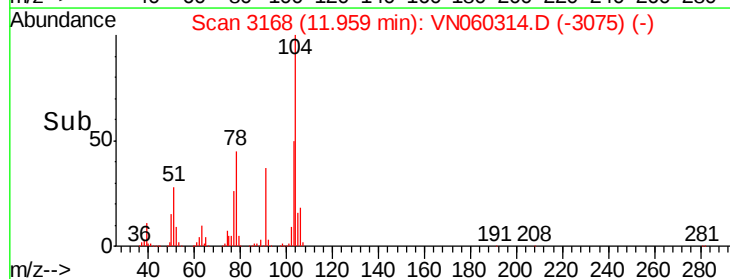
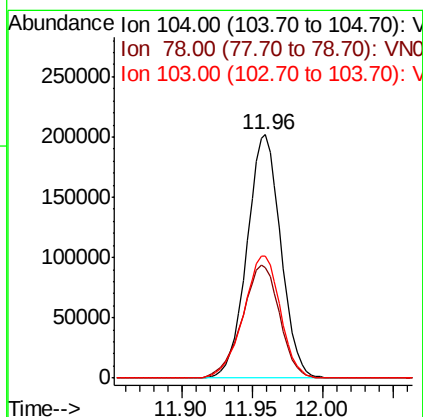
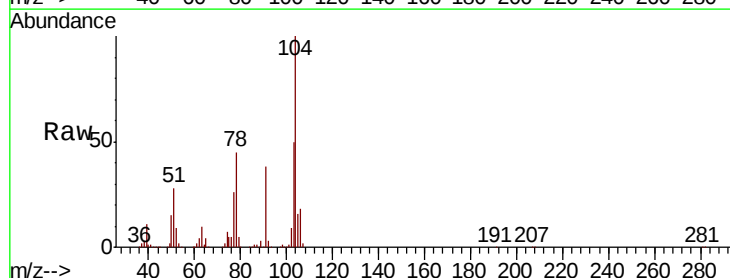
Instrument :
MSVOA_N
ClientSampled :

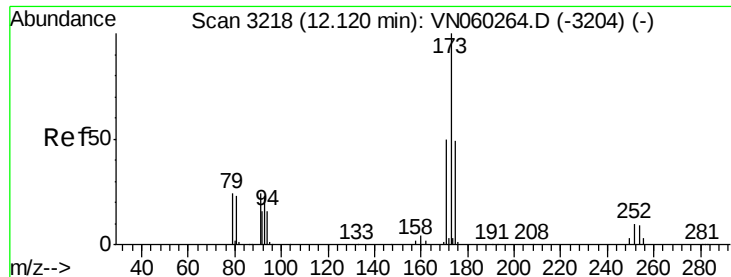
Tot Ion:106 Resp: 202896
Ion Ratio Lower Upper
106 100
91 217.9 109.5 328.4



#70
Styrene
Concen: 49.571 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion:104 Resp: 339011
Ion Ratio Lower Upper
104 100
78 51.2 41.2 61.8
103 54.8 43.9 65.9





#71

Bromoform

Concen: 52.004 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampleId :

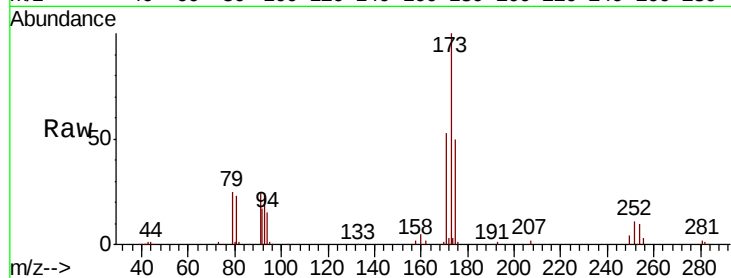
Tot Ion:173 Resp: 87980

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.2

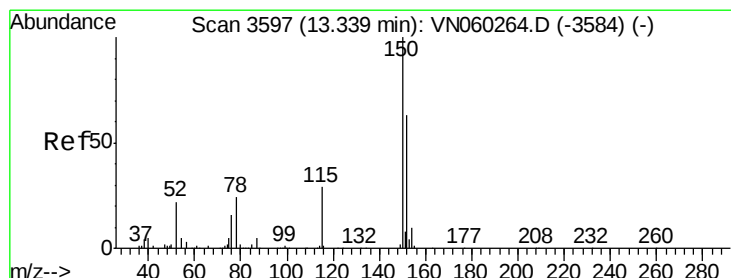
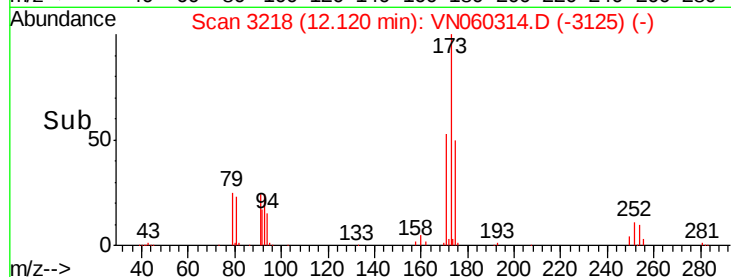
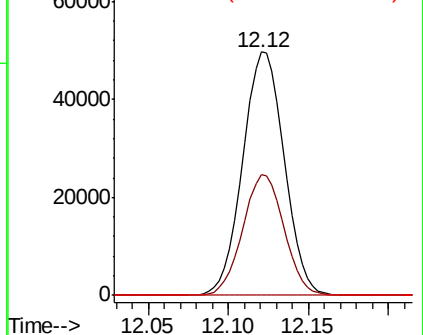
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

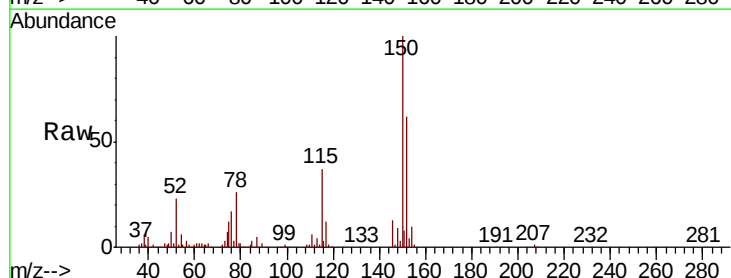
Tgt Ion:152 Resp: 159260

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

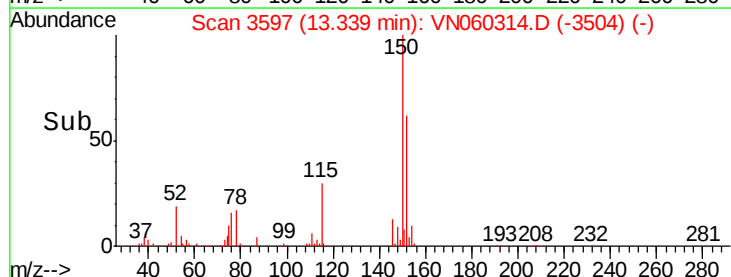
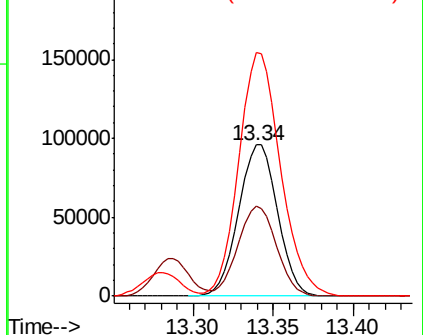
150 173.3 0.0 349.6

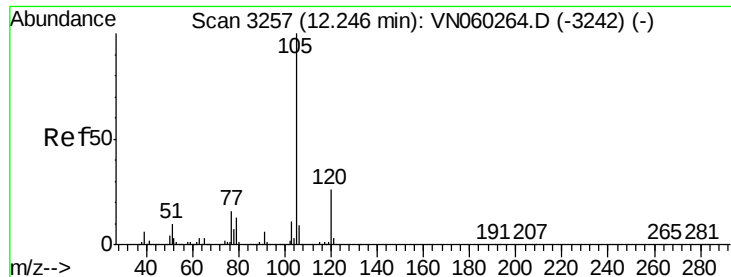


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.114 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

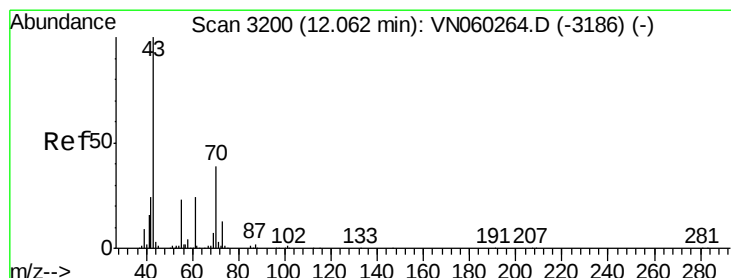
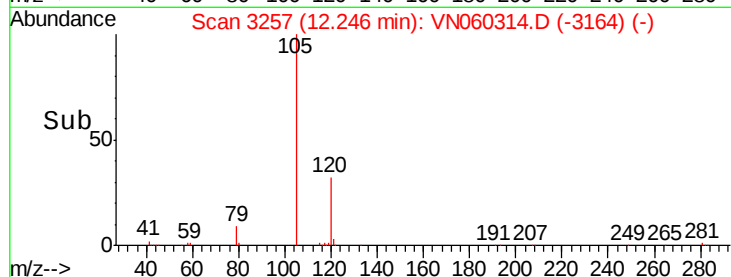
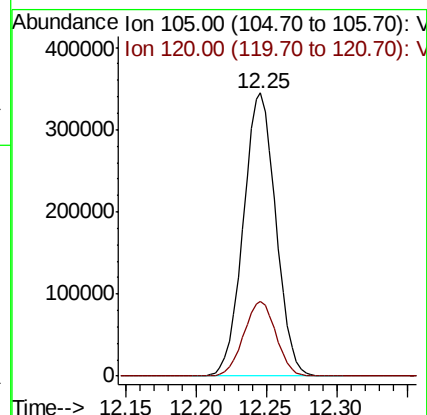
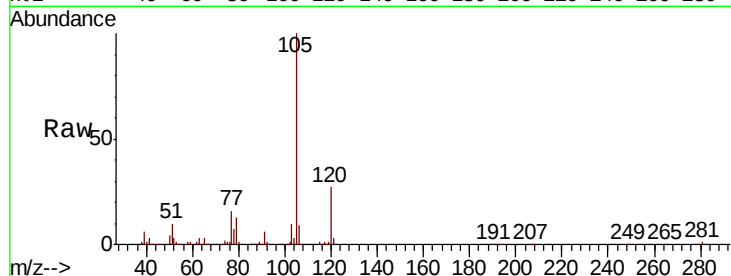
ClientSampled :

Tot Ion:105 Resp: 556144

Ion Ratio Lower Upper

105 100

120 26.3 13.0 38.9



#74

N-ethyl acetate

Concen: 48.035 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Tgt Ion: 43 Resp: 247772

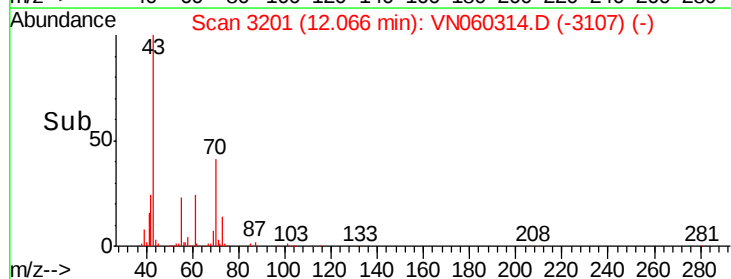
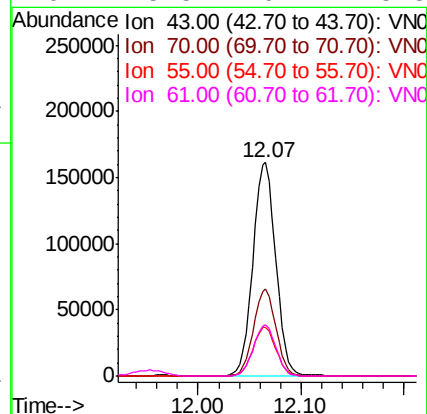
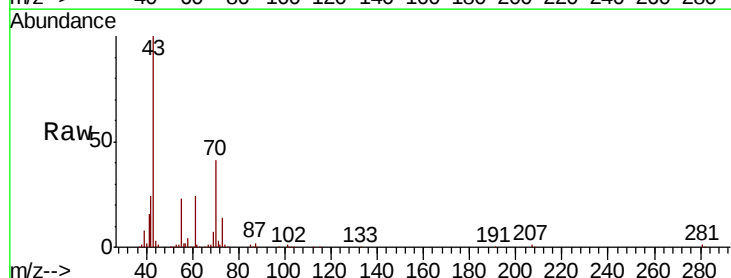
Ion Ratio Lower Upper

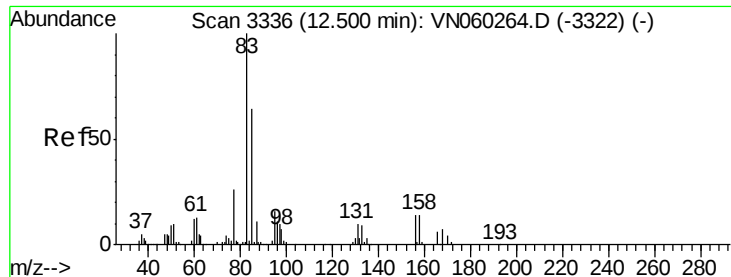
43 100

70 39.9 32.2 48.2

55 23.0 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.818 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampleId :

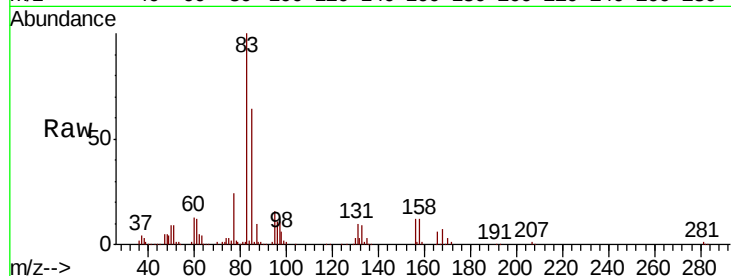
Tot Ion: 83 Resp: 159851

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	64.1	32.3	96.8

83 100

131 10.1 5.1 15.3

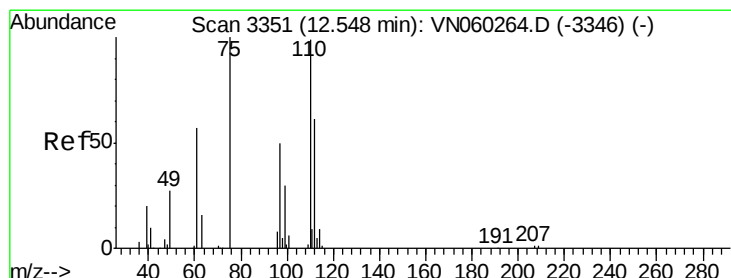
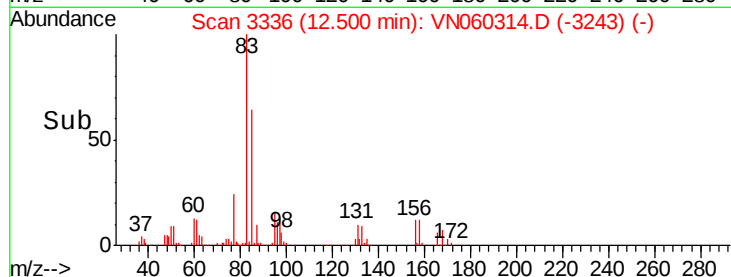
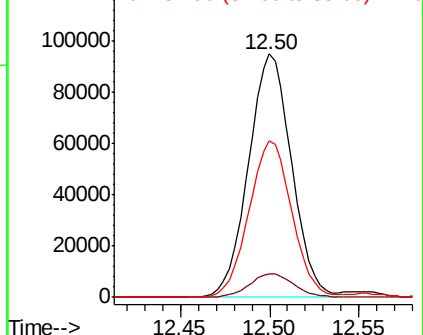
85 64.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060314.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060314.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060314.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 64.525 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060314.D

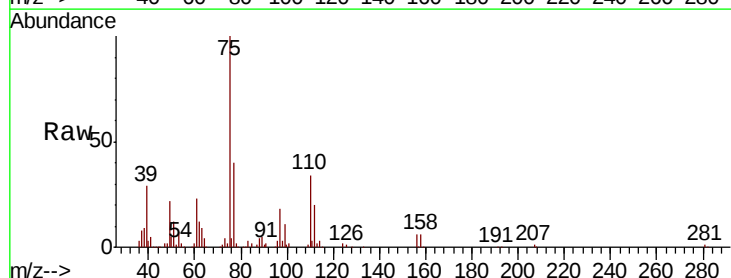
Acq: 2 Mar 2020 16:23

Tgt Ion: 75 Resp: 225463

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

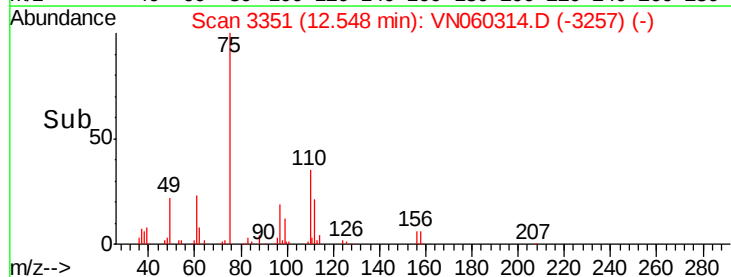
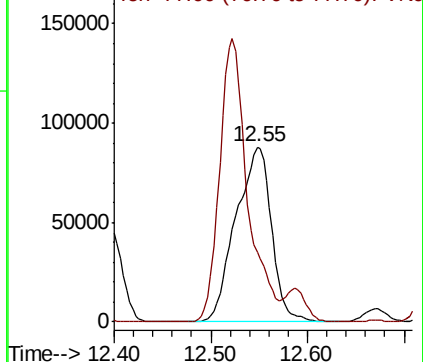
75 100

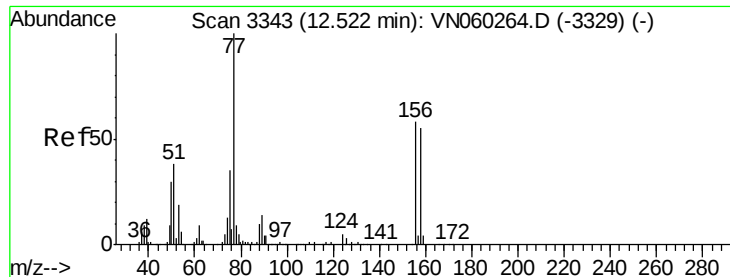
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060314.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060314.D (-3346) (-)





#77

Bromobenzene

Concen: 46.035 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampleId :

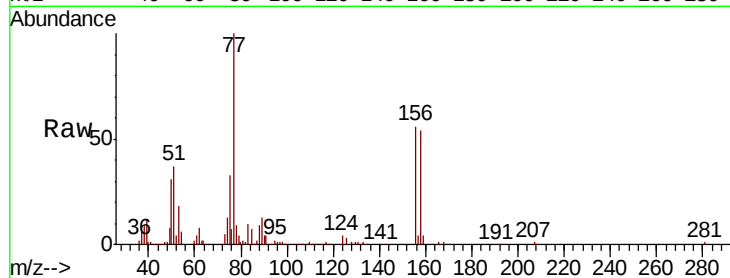
Tot Ion:156 Resp: 133204

Ion Ratio Lower Upper

156 100

77 215.0 106.1 318.3

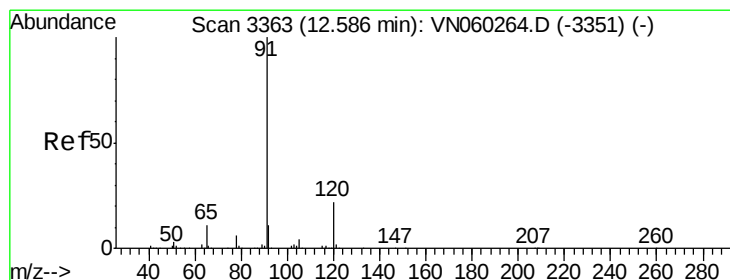
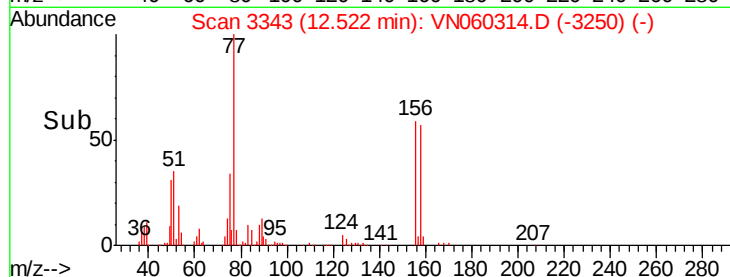
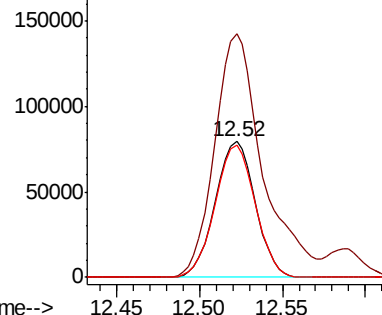
158 97.9 48.3 144.8



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: 47.326 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060314.D

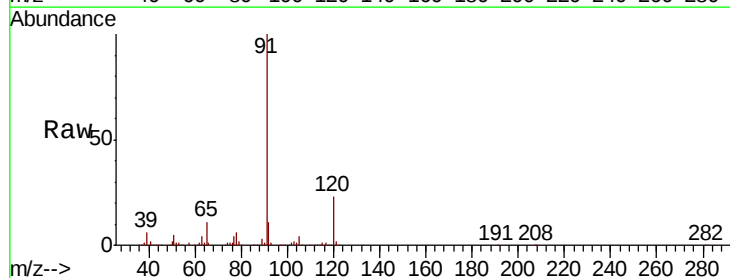
Acq: 2 Mar 2020 16:23

Tgt Ion: 91 Resp: 654837

Ion Ratio Lower Upper

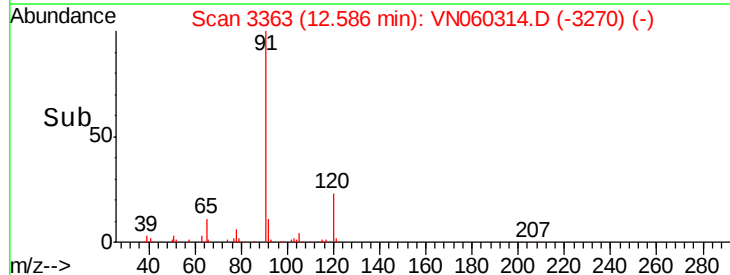
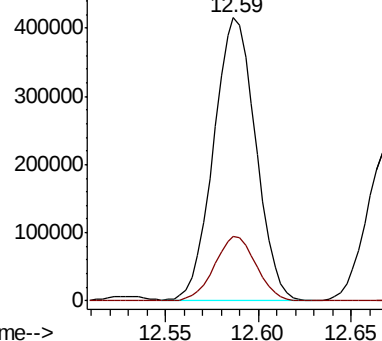
91 100

120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

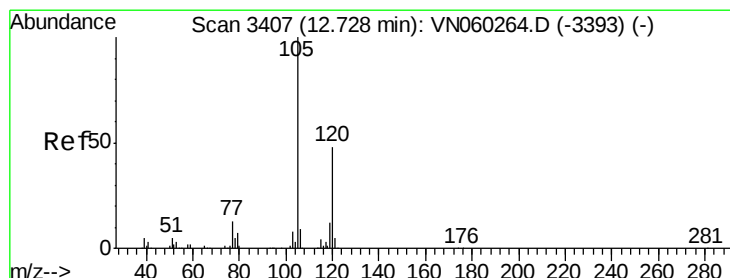
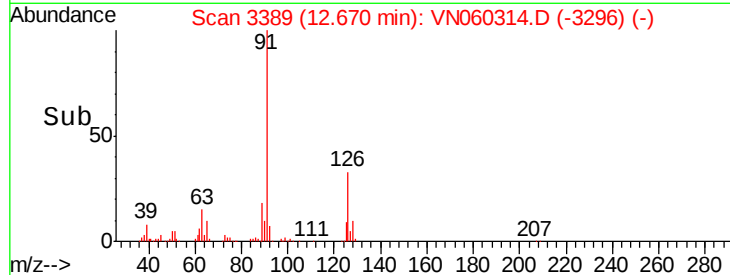
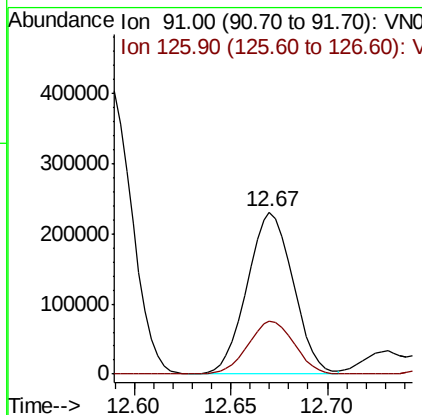
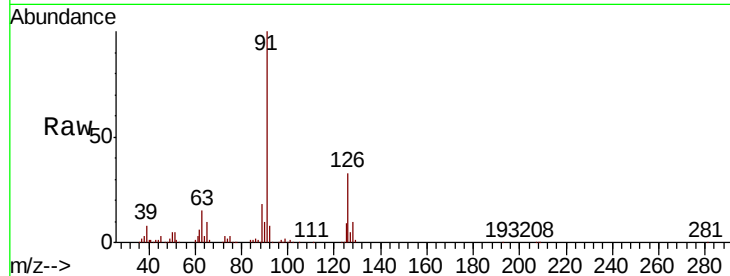




#79
 2-Chlorotoluene
 Concen: 46.832 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

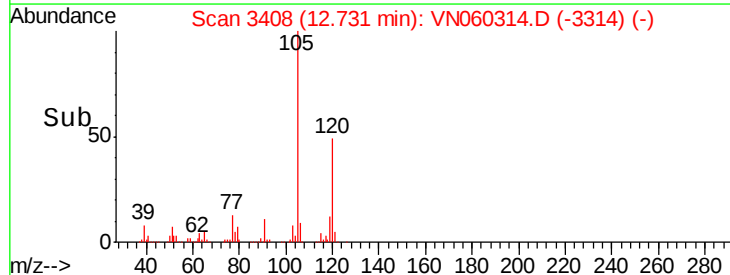
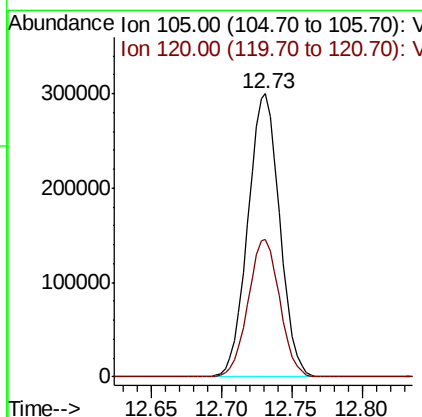
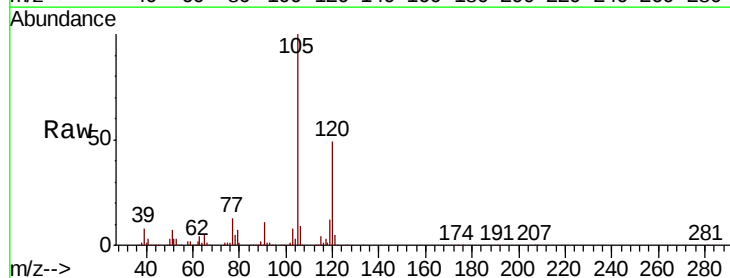
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 380910
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 47.623 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion: 105 Resp: 473308
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.4

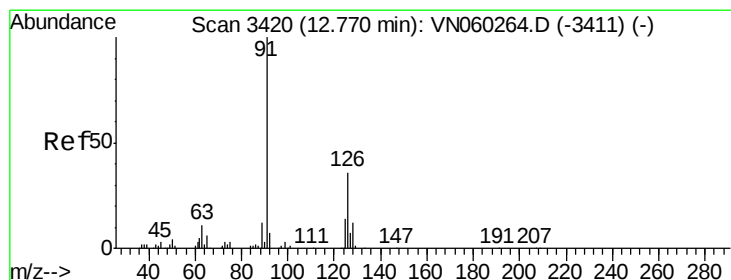
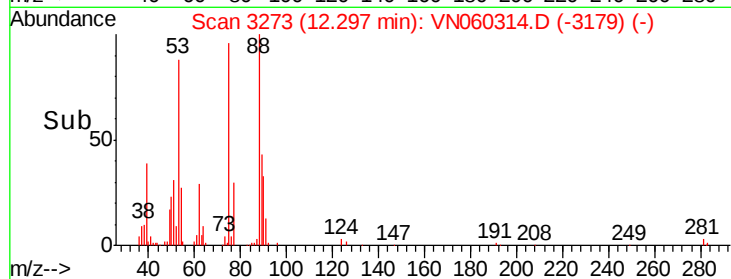
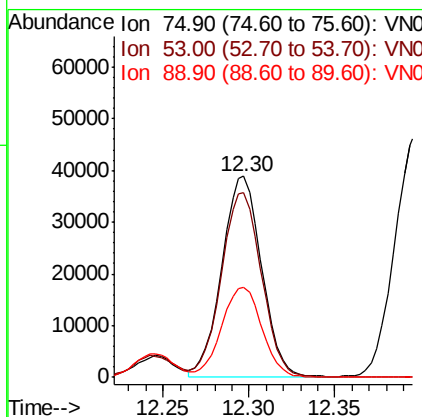
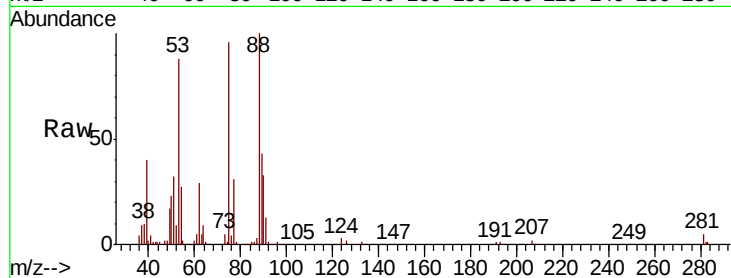




#81
trans-1,4-Dichloro-2-butene
Concen: 49.603 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

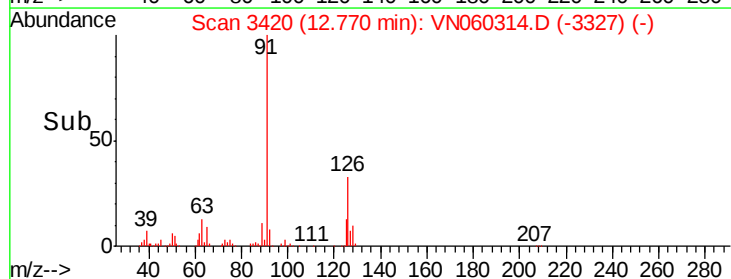
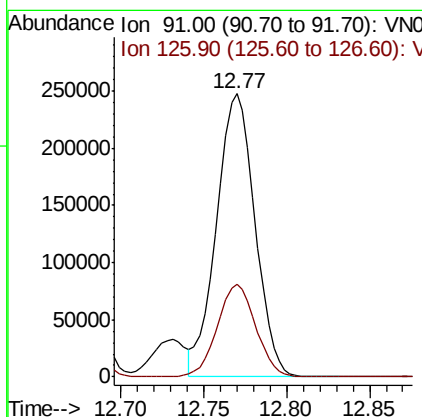
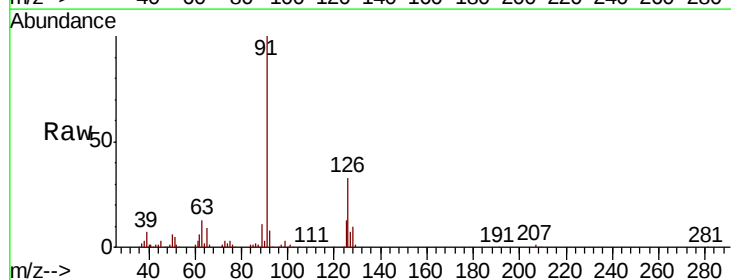
Instrument :
MSVOA_N
ClientSampleId :

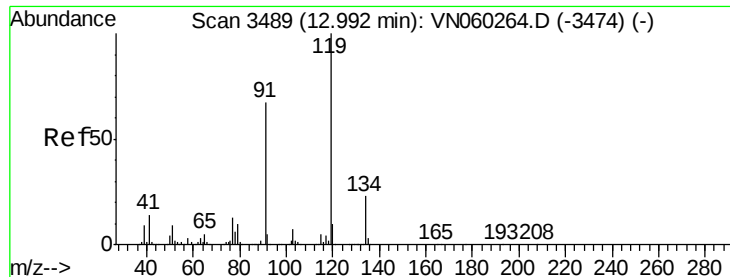
Tot Ion: 75 Resp: 62787
Ion Ratio Lower Upper
75 100
53 92.9 73.8 110.6
89 45.6 57.1 85.7#



#82
4-Chlorotoluene
Concen: 46.515 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion: 91 Resp: 398601
Ion Ratio Lower Upper
91 100
126 32.6 16.7 50.1

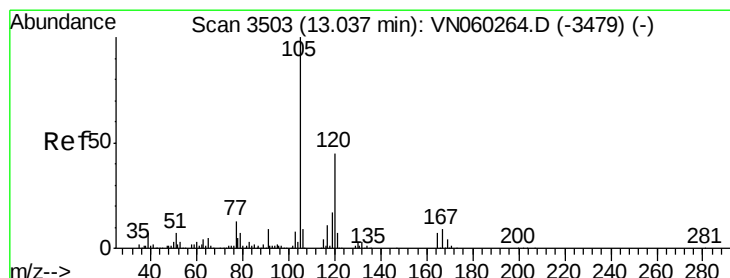
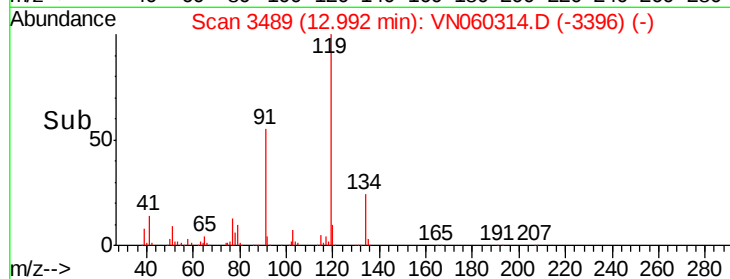
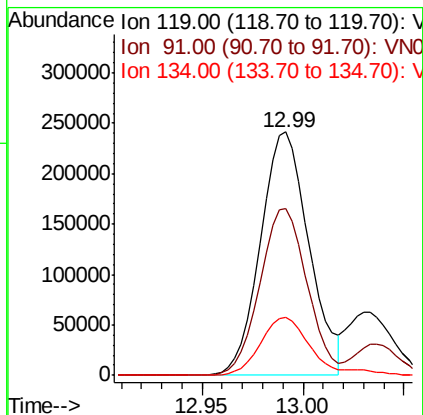
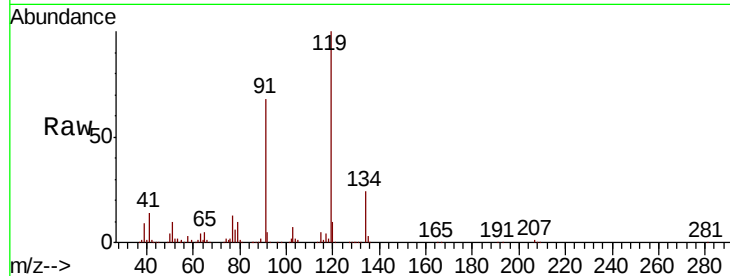




#83
 tert-Butylbenzene
 Concen: 46.996 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

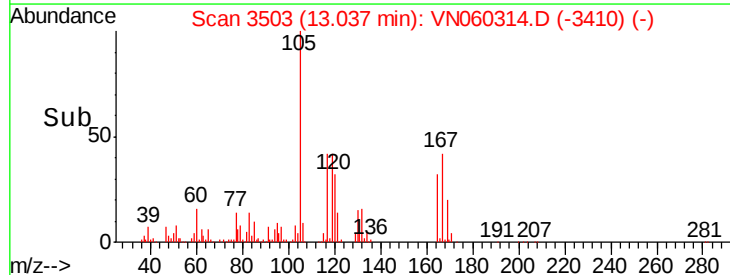
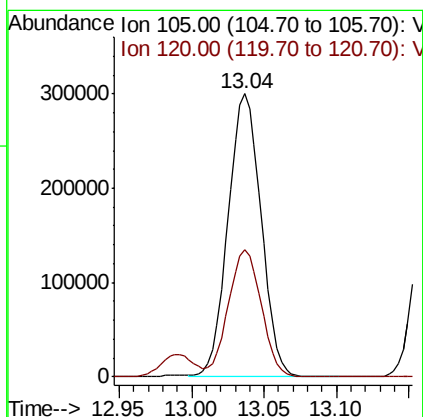
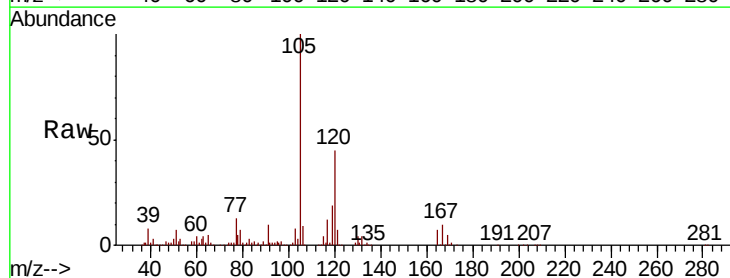
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 404390
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.1 99.2
 134 25.0 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 47.356 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion:105 Resp: 475053
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.3 66.9

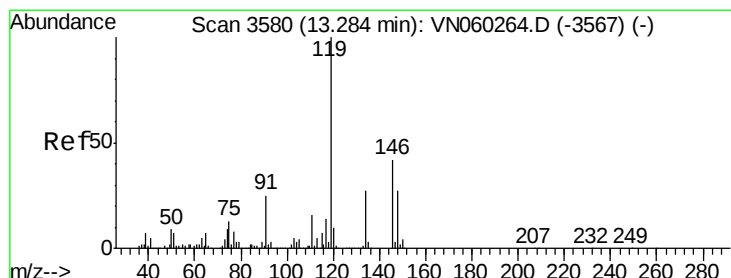
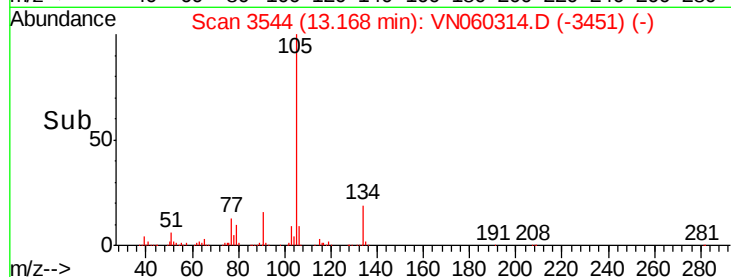
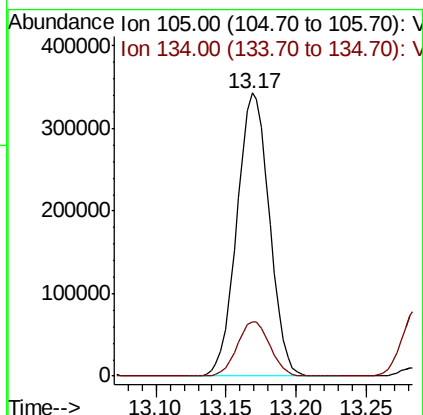
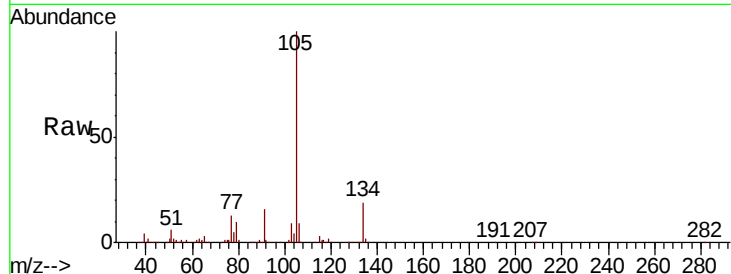




#85
 sec-Butylbenzene
 Concen: 48.085 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

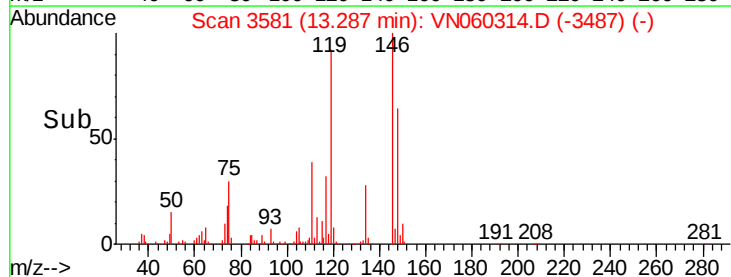
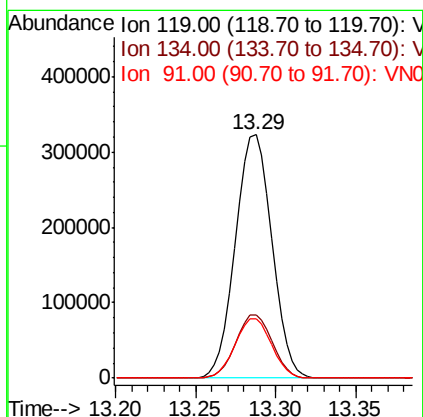
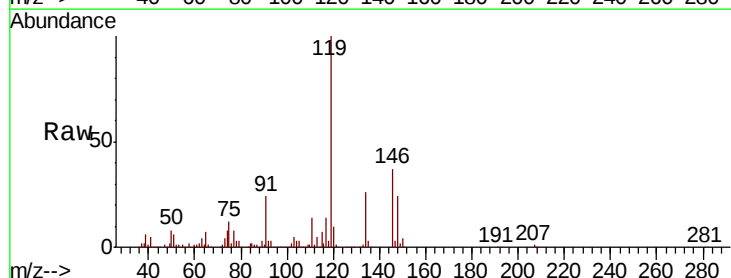
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 554075
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 46.994 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion:119 Resp: 501193
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 49.244 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampled :

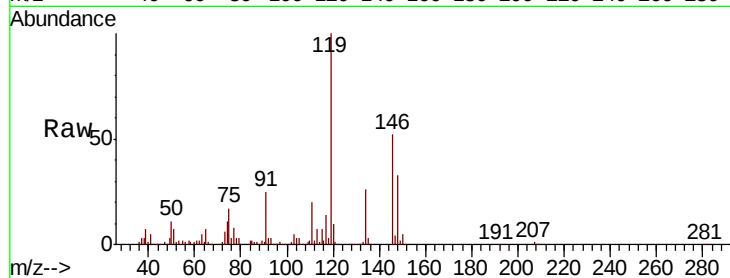
Tot Ion:146 Resp: 244851

Ion Ratio Lower Upper

146 100

111 40.0 20.0 59.9

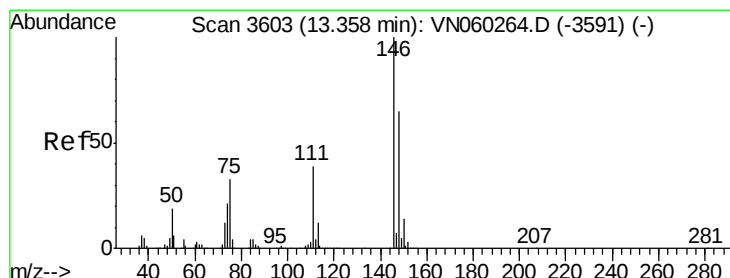
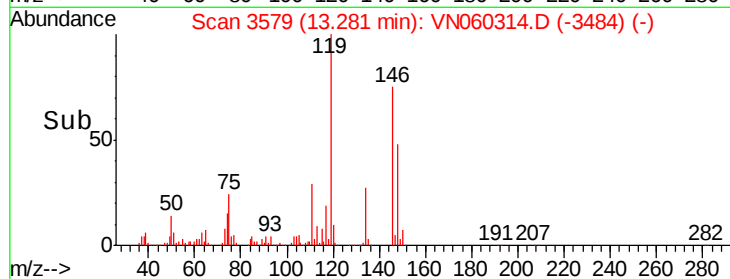
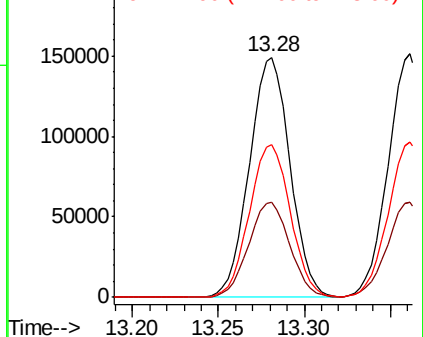
148 64.3 32.1 96.3



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: 49.335 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

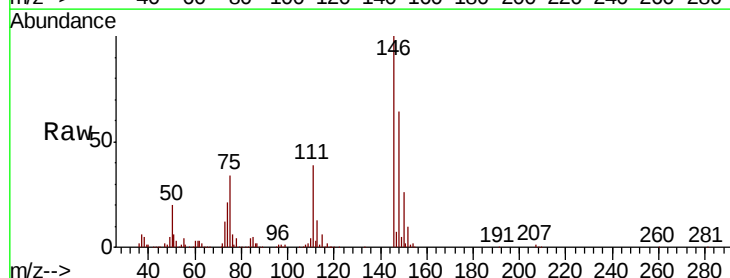
Tgt Ion:146 Resp: 243926

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.4

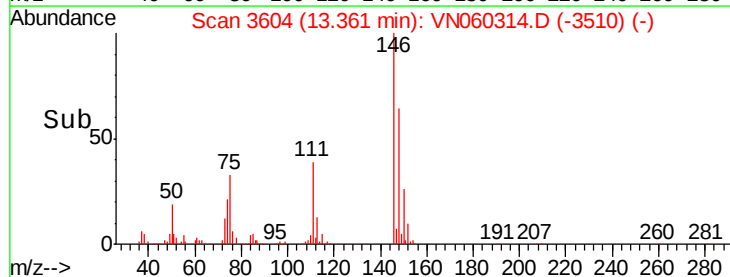
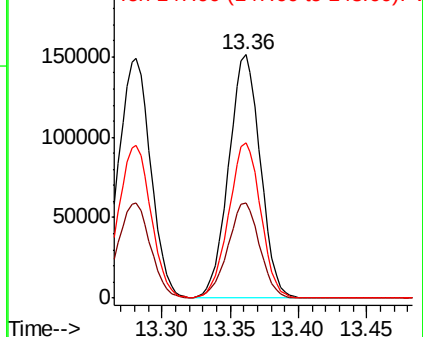
148 64.5 32.3 96.9

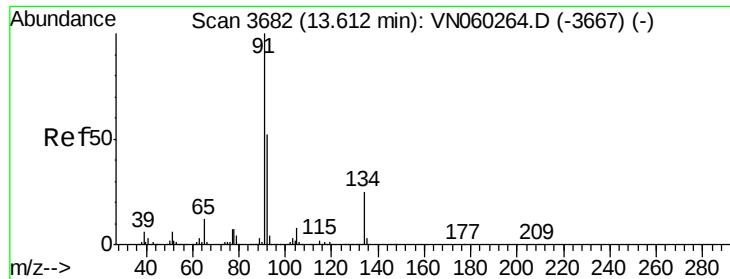


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.690 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060314.D

Acq: 2 Mar 2020 16:23

Instrument :

MSVOA_N

ClientSampleId :

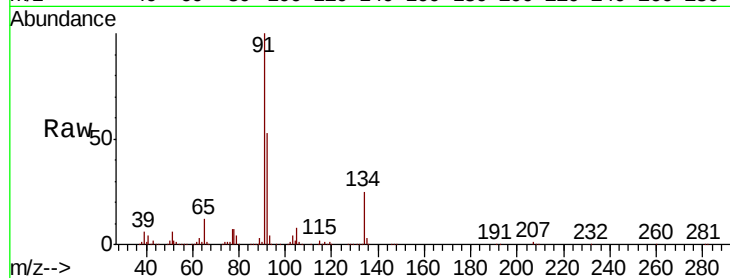
Tot Ion: 91 Resp: 466902

Ion Ratio Lower Upper

91 100

92 52.4 26.0 78.0

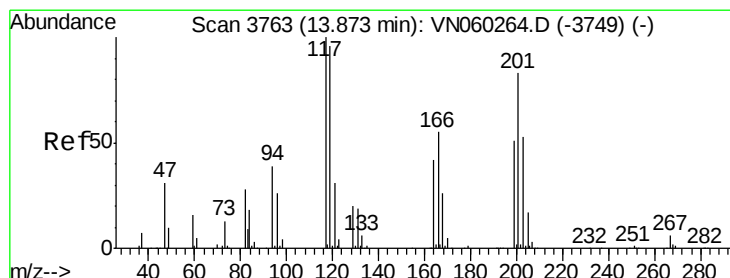
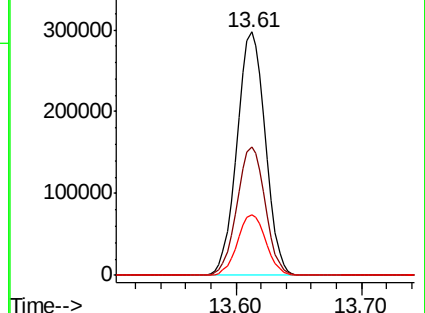
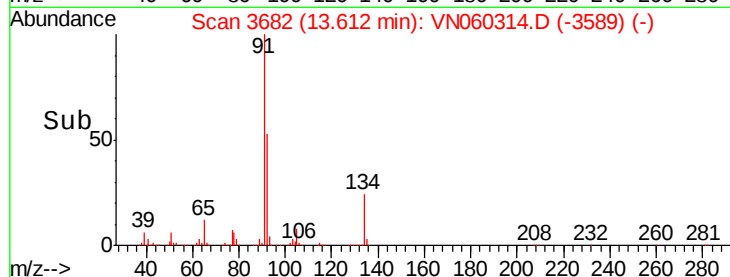
134 24.9 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN060314.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN060314.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN060314.D (-3682) (-)



#90

Hexachloroethane

Concen: 49.300 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060314.D

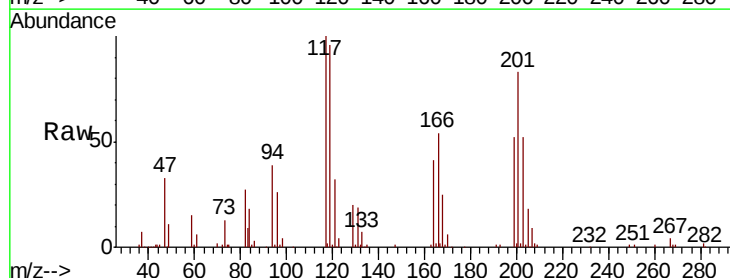
Acq: 2 Mar 2020 16:23

Tgt Ion: 117 Resp: 76106

Ion Ratio Lower Upper

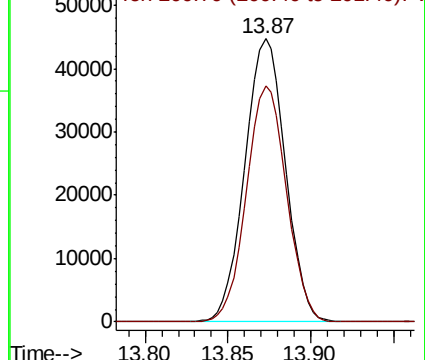
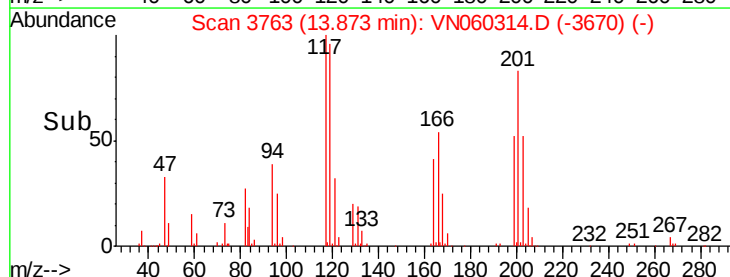
117 100

201 82.4 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060314.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN060314.D (-3763) (-)

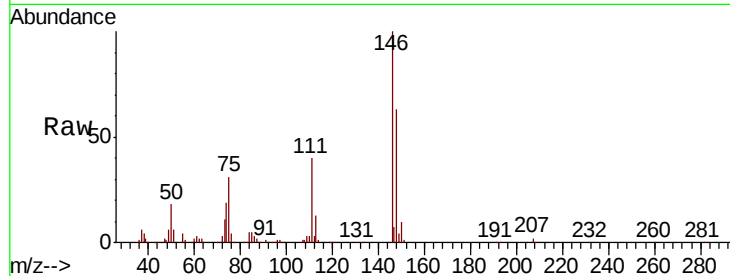




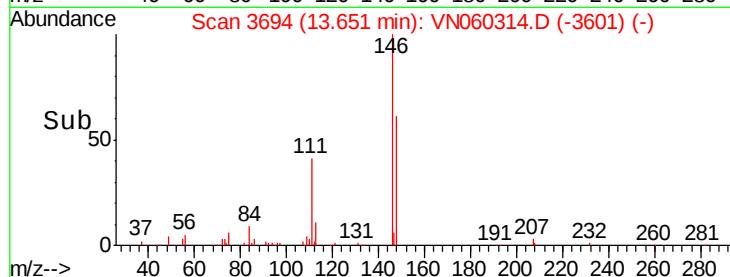
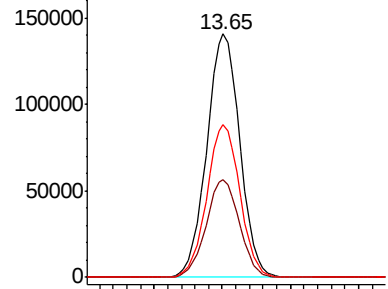
#91
 1,2-Dichlorobenzene
 Concen: 46.556 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Instrument :
 MSVOA_N
 ClientSampleId :

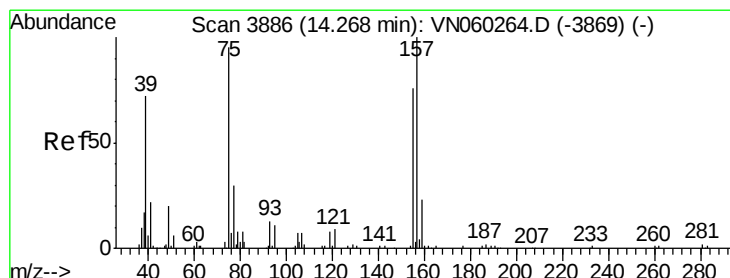
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	61.0
148	62.8	31.8	95.3



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

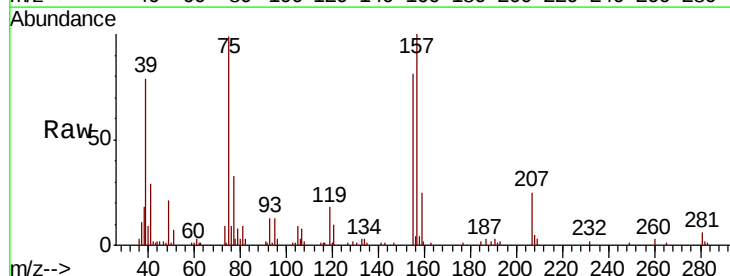


Time-->

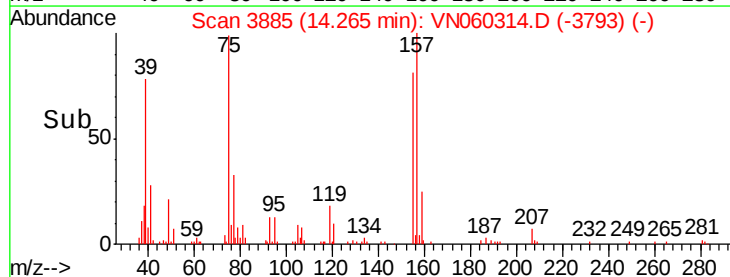
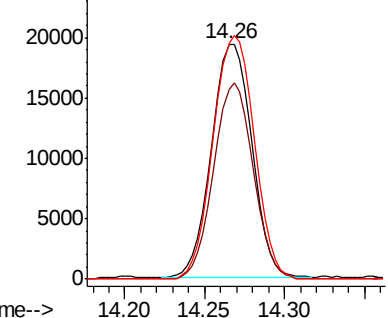


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.694 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	40.4	121.2
157	107.0	52.5	157.5



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

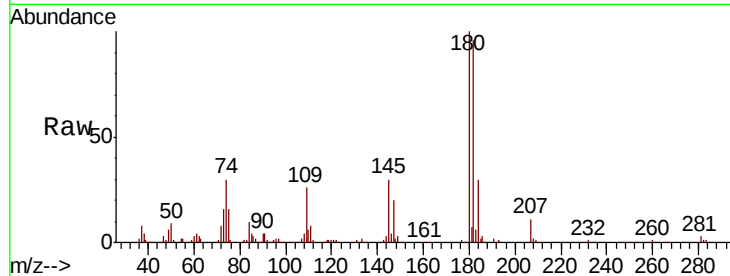




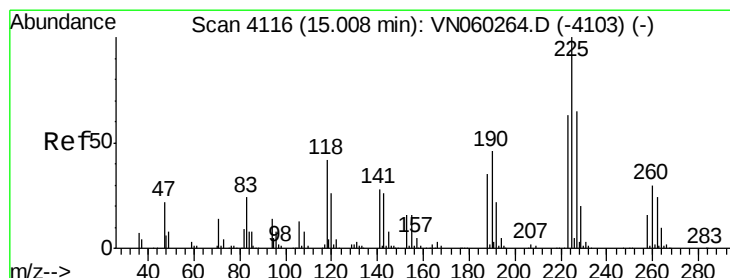
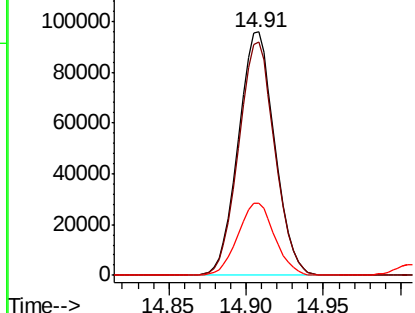
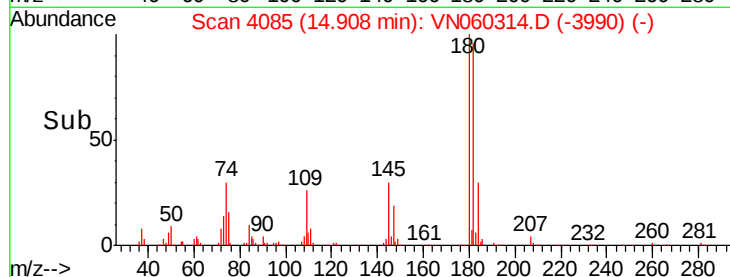
#93
 1,2,4-Trichlorobenzene
 Concen: 48.492 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	30.0	15.4	46.1

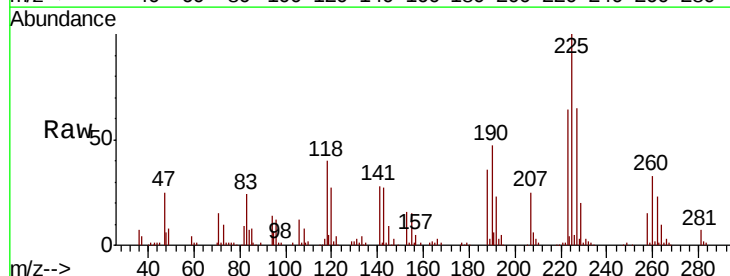


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

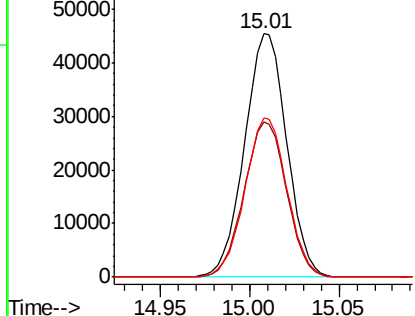
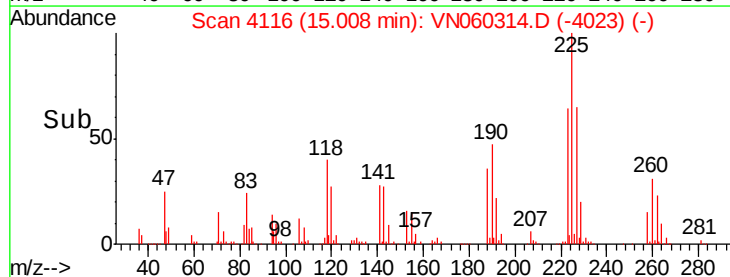


#94
 Hexachlorobutadiene
 Concen: 50.688 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060314.D
 Acq: 2 Mar 2020 16:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.3	93.9
227	64.9	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

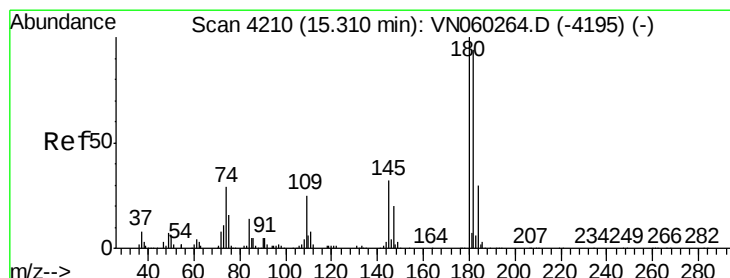
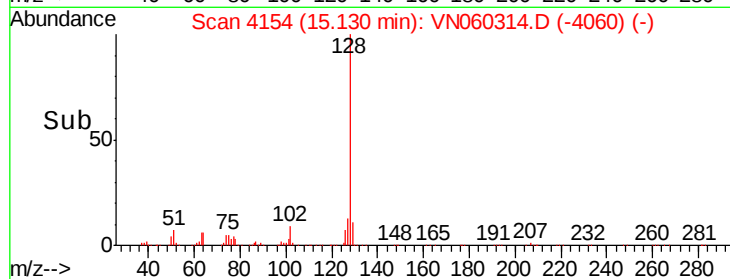
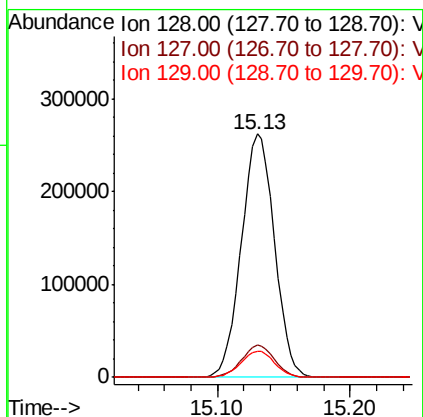
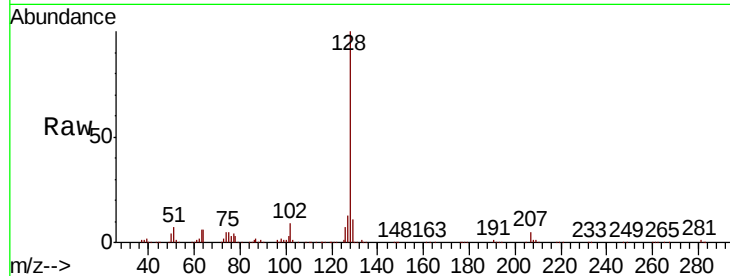




#95
Naphthalene
Concen: 47.932 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 454948
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.611 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060314.D
Acq: 2 Mar 2020 16:23

Tgt Ion:180 Resp: 147503
Ion Ratio Lower Upper
180 100
182 95.1 47.3 142.0
145 32.2 16.2 48.5

