

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060323.D
 Acq On : 3 Mar 2020 12:48
 Operator : JC/MD
 Sample : L1161-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 03:06:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 03:02:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127255	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	120936	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	7.57	113	86445	58.83	ug/l	0.00
Spiked Amount			Recovery	=	117.66%	
50) Toluene-d8	10.08	98	343939	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.40	95	122138	43.32	ug/l	0.00
Spiked Amount			Recovery	=	86.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1294	0.731	ug/l	88
3) Chloromethane	2.04	50	3168	1.027	ug/l #	81
4) Vinyl Chloride	2.16	62	2273	0.860	ug/l	97
5) Bromomethane	2.55	94	794	0.683	ug/l #	73
6) Chloroethane	2.69	64	950	0.663	ug/l #	84
7) Trichlorofluoromethane	3.00	101	2640	0.781	ug/l	89
8) Diethyl Ether	3.39	74	768	0.602	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.73	101	830	0.434	ug/l #	66
10) Methyl Iodide	3.93	142	1407	0.806	ug/l #	80
11) Tert butyl alcohol	4.73	59	1089	2.959	ug/l #	73
12) 1,1-Dichloroethene	3.72	96	2027	0.999	ug/l #	70
13) Acrolein	3.57	56	236	0.687	ug/l #	1
14) Allyl chloride	4.30	41	2809	0.821	ug/l	87
15) Acrylonitrile	4.96	53	2684	2.767	ug/l #	80
16) Acetone	3.79	43	3557	4.444	ug/l	100
17) Carbon Disulfide	4.03	76	4658	0.809	ug/l	98
18) Methyl Acetate	4.29	43	1219	0.456	ug/l	96
19) Methyl tert-butyl Ether	5.01	73	6514	0.967	ug/l	96
20) Methylene Chloride	4.52	84	1790	0.814	ug/l	88
21) trans-1,2-Dichloroethene	5.00	96	992	0.432	ug/l #	74
22) Diisopropyl ether	5.92	45	5518	0.796	ug/l	92
23) Vinyl Acetate	5.87	43	19613	3.561	ug/l	98
24) 1,1-Dichloroethane	5.82	63	2980	0.760	ug/l #	84
25) 2-Butanone	6.81	43	4838	3.743	ug/l	98
26) 2,2-Dichloropropane	6.79	77	2891	0.809	ug/l #	63
27) cis-1,2-Dichloroethene	6.80	96	2161	0.848	ug/l	84
28) Bromochloromethane	7.17	49	1042	0.647	ug/l #	71
29) Tetrahydrofuran	7.19	42	3319	3.692	ug/l	94
30) Chloroform	7.35	83	3100	0.794	ug/l	94
31) Cyclohexane	7.64	56	6841	1.880	ug/l #	27
32) 1,1,1-Trichloroethane	7.54	97	2723	0.787	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	2333	0.773	ug/l	96
37) Ethyl Acetate	6.89	43	622	0.218	ug/l #	68
38) Carbon Tetrachloride	7.76	117	2075	0.706	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	2826	0.794	ug/l	94
40) Benzene	8.02	78	7113	0.810	ug/l	99
41) Methacrylonitrile	7.14	41	872	0.661	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	2676	0.844	ug/l	82
43) Isopropyl Acetate	8.14	43	3890	0.778	ug/l #	88
44) Trichloroethene	8.82	130	1900	0.777	ug/l	80
45) 1,2-Dichloropropane	9.10	63	1877	0.818	ug/l	90
46) Dibromomethane	9.19	93	999	0.671	ug/l	96
47) Bromodichloromethane	9.39	83	2270	0.749	ug/l #	93
48) Methyl methacrylate	9.18	41	1822	0.799	ug/l	91
49) 1,4-Dioxane	9.19	88	264	8.231	ug/l #	61
51) 4-Methyl-2-Pentanone	9.97	43	10012	3.531	ug/l	100
52) Toluene	10.14	92	4073	0.738	ug/l	90
53) t-1,3-Dichloropropene	10.37	75	2834	0.763	ug/l #	77
54) cis-1,3-Dichloropropene	9.82	75	2992	0.778	ug/l #	94
55) 1,1,2-Trichloroethane	10.55	97	1853	0.835	ug/l	98
56) Ethyl methacrylate	10.42	69	2015	0.632	ug/l #	76
57) 1,3-Dichloropropane	10.70	76	2717	0.751	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.68	63	5681	3.408	ug/l	100
59) 2-Hexanone	10.74	43	7123	3.421	ug/l	99
60) Dibromochloromethane	10.89	129	1517	0.672	ug/l	98
61) 1,2-Dibromoethane	11.00	107	1446	0.669	ug/l	95
64) Tetrachloroethene	10.62	164	2129	0.844	ug/l	91
65) Chlorobenzene	11.43	112	4581	0.799	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	1709	0.807	ug/l #	53
67) Ethyl Benzene	11.50	91	8108	0.777	ug/l	95
68) m/p-Xylenes	11.62	106	5995	1.523	ug/l	97
69) o-Xylene	11.94	106	2768	0.737	ug/l	96
70) Styrene	11.96	104	4163	0.674	ug/l	96
71) Bromoform	12.12	173	793	0.519	ug/l #	98
73) Isopropylbenzene	12.25	105	7898	0.837	ug/l	95
74) N-amyl acetate	12.07	43	3369	0.817	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	2119	0.826	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	3188	1.142	ug/l #	100
77) Bromobenzene	12.52	156	1830	0.792	ug/l	91
78) n-propylbenzene	12.59	91	8941	0.809	ug/l	98
79) 2-Chlorotoluene	12.67	91	5229	0.805	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	6417	0.808	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	63122	62.410	ug/l #	8
82) 4-Chlorotoluene	12.77	91	5273	0.770	ug/l	100
83) tert-Butylbenzene	12.99	119	5776	0.840	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	5919	0.738	ug/l	96
85) sec-Butylbenzene	13.17	105	7071	0.768	ug/l	98
86) p-Isopropyltoluene	13.29	119	6594	0.774	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3457	0.796	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	3457	0.800	ug/l	98
89) n-Butylbenzene	13.61	91	6019	0.769	ug/l	98
90) Hexachloroethane	13.88	117	620	0.503	ug/l	77
91) 1,2-Dichlorobenzene	13.65	146	3393	0.838	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	789	1.359	ug/l #	45

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2140	0.744	ug/l	92
94) Hexachlorobutadiene	15.01	225	860	0.631	ug/l	82
95) Naphthalene	15.13	128	5496	0.663	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2038	0.754	ug/l	92

(#) = 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: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

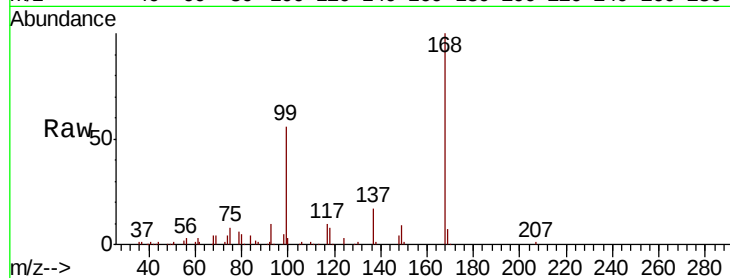
ClientSampleId :

Tot Ion:168 Resp: 193164

Ion Ratio Lower Upper

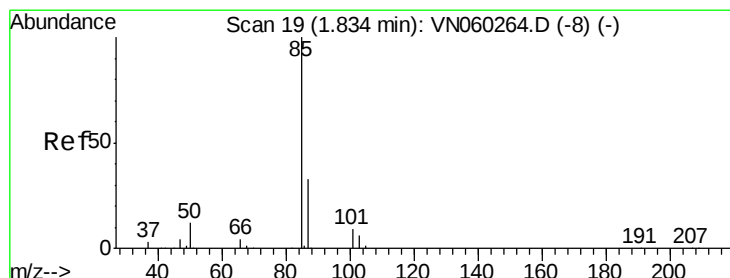
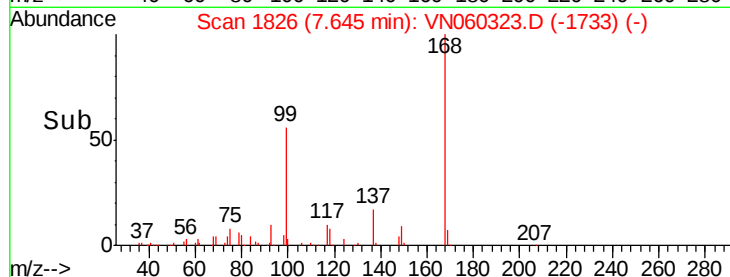
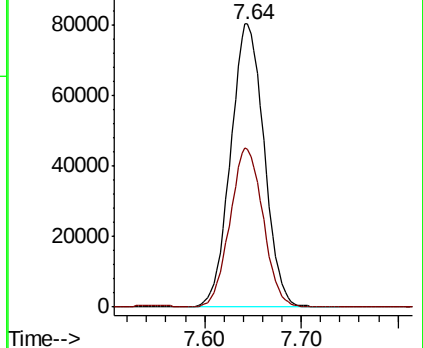
168 100

99 55.6 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: 0.731 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060323.D

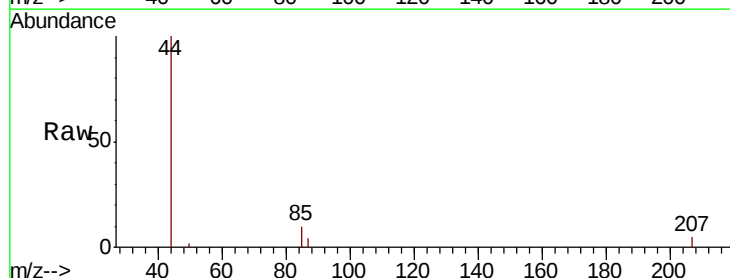
Acq: 3 Mar 2020 12:48

Tgt Ion: 85 Resp: 1294

Ion Ratio Lower Upper

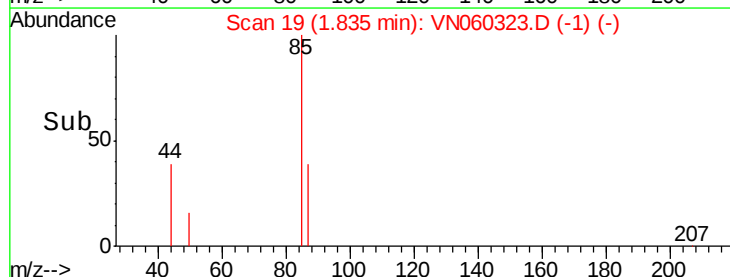
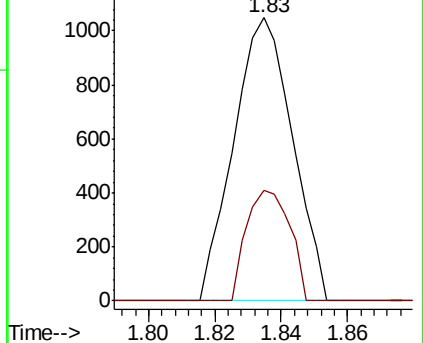
85 100

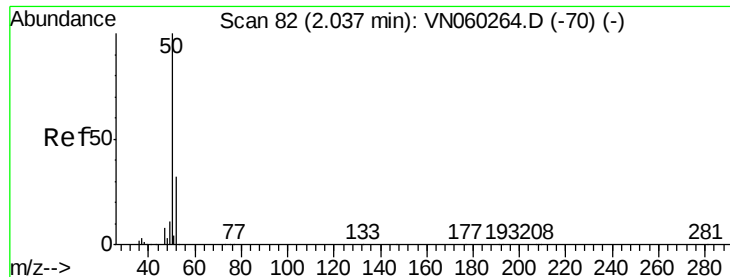
87 39.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.027 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

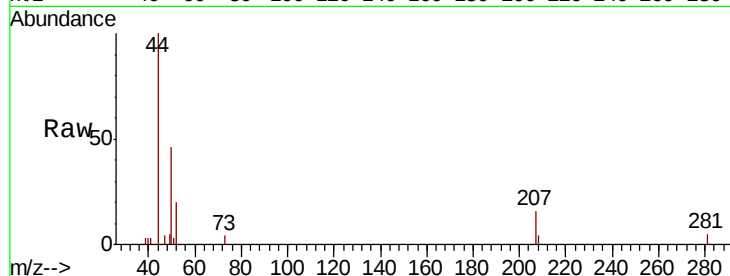
ClientSampled :

Tot Ion: 50 Resp: 3168

Ion Ratio Lower Upper

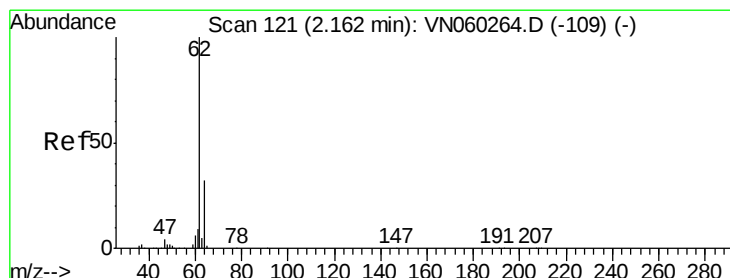
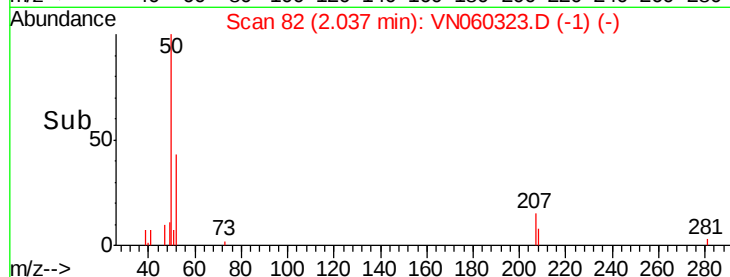
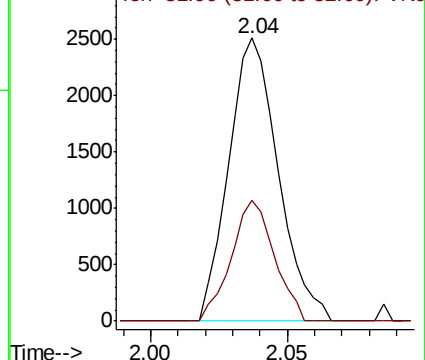
50 100

52 42.8 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: 0.860 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060323.D

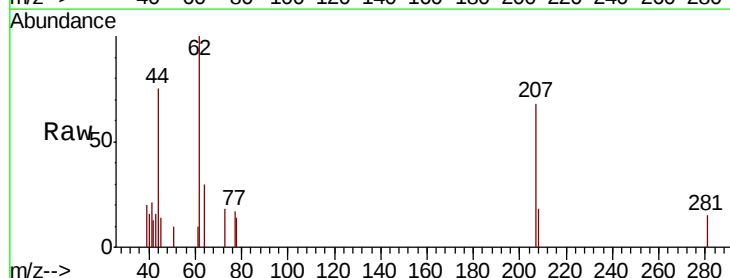
Acq: 3 Mar 2020 12:48

Tgt Ion: 62 Resp: 2273

Ion Ratio Lower Upper

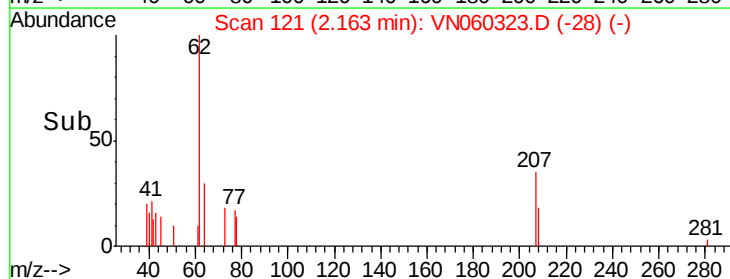
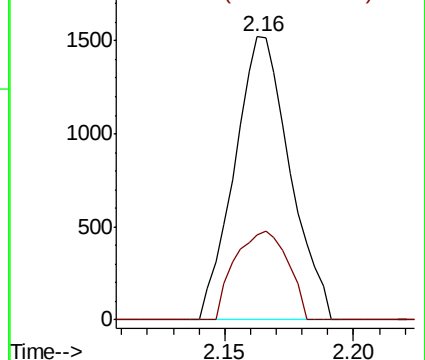
62 100

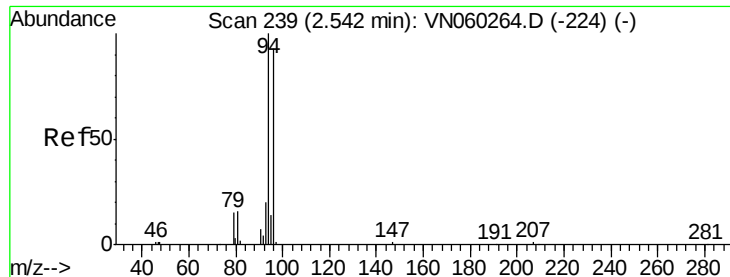
64 30.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 0.683 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

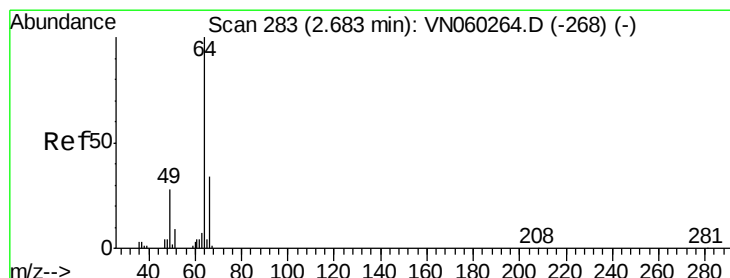
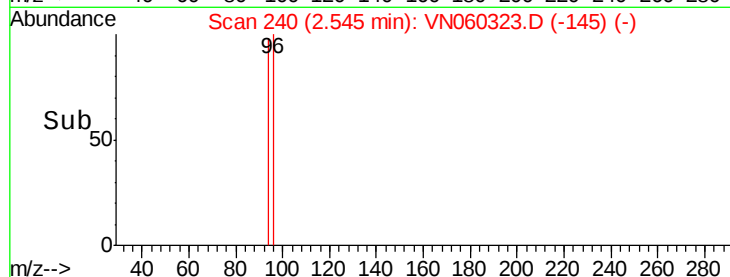
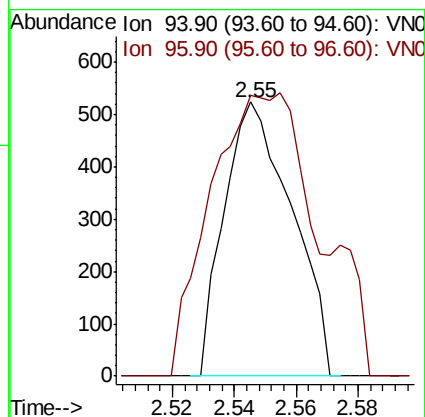
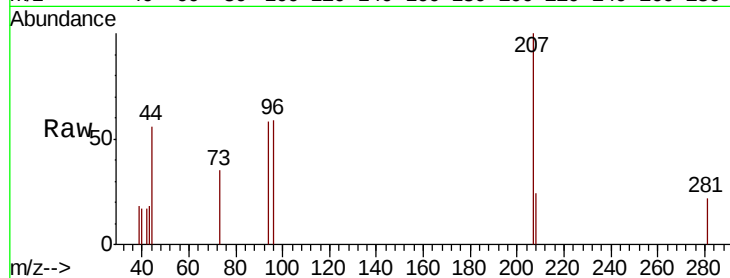
ClientSampled :

Tot Ion: 94 Resp: 794

Ion Ratio Lower Upper

94 100

96 66.6 74.3 111.5#



#6

Chloroethane

Concen: 0.663 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060323.D

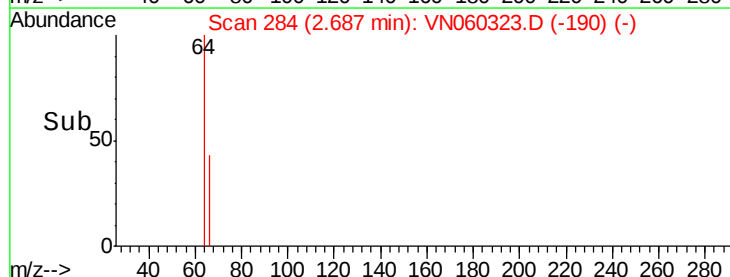
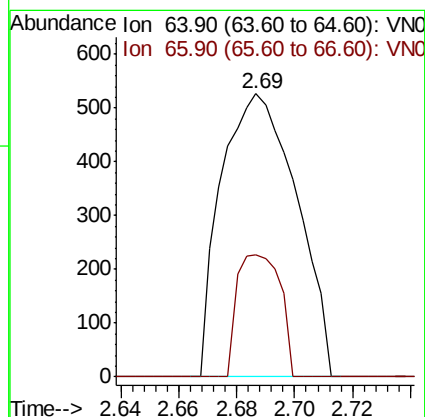
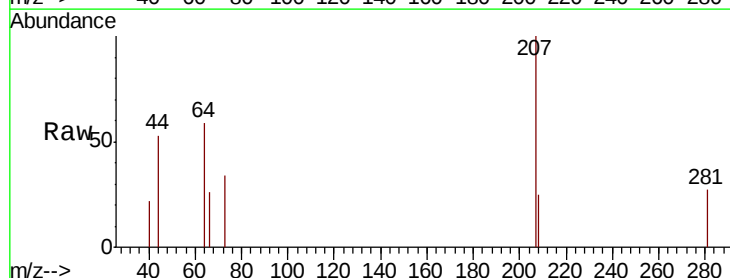
Acq: 3 Mar 2020 12:48

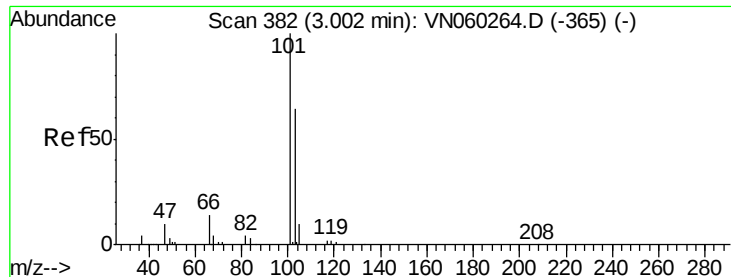
Tgt Ion: 64 Resp: 950

Ion Ratio Lower Upper

64 100

66 43.3 27.4 41.2#



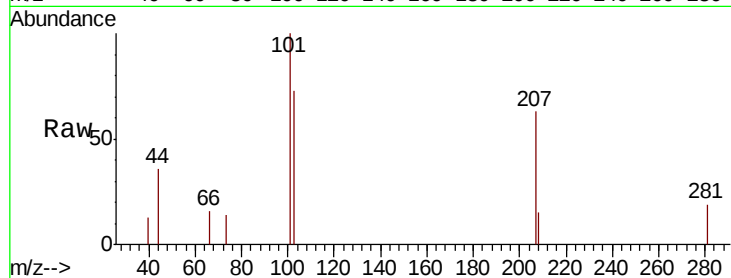


#7

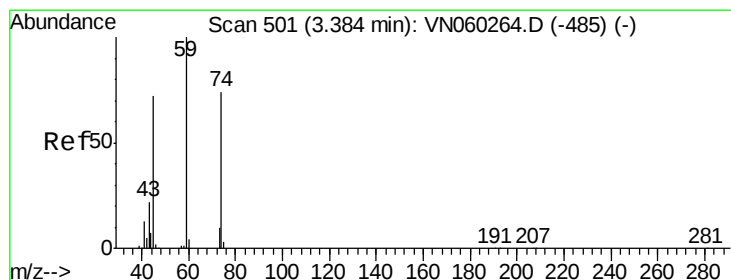
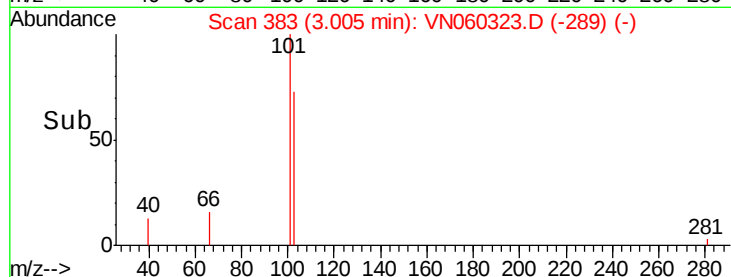
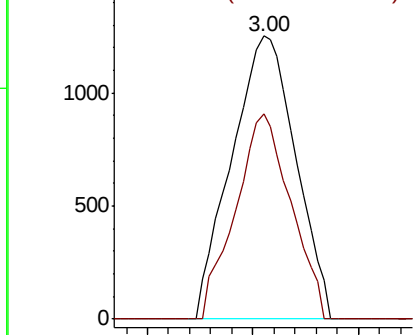
Trichlorofluoromethane
 Concen: 0.781 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 2640
 Ion Ratio Lower Upper
 101 100
 103 72.6 51.3 76.9



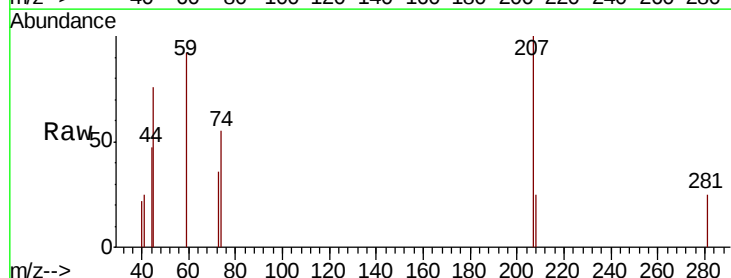
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



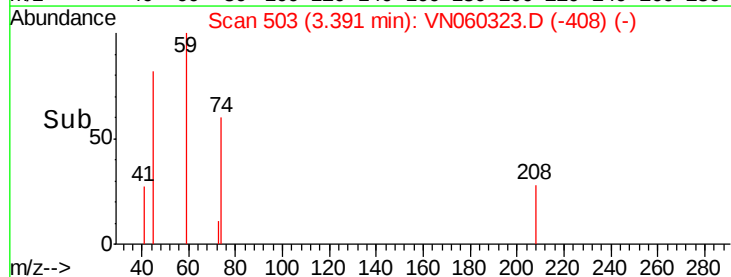
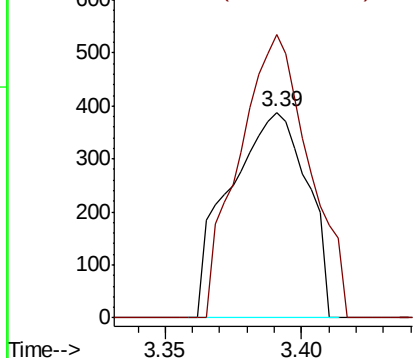
#8

Diethyl Ether
 Concen: 0.602 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion: 74 Resp: 768
 Ion Ratio Lower Upper
 74 100
 45 123.4 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.434 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

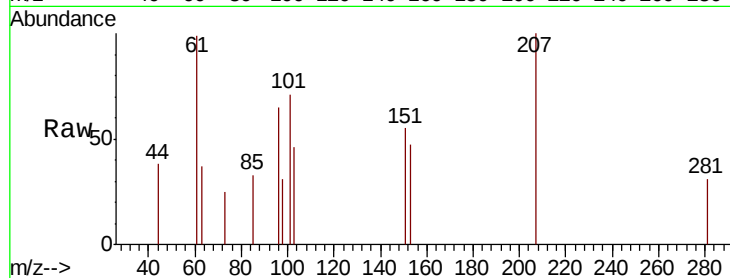
Tot Ion:101 Resp: 830

Ion Ratio Lower Upper

101 100

85 55.8 35.4 53.2#

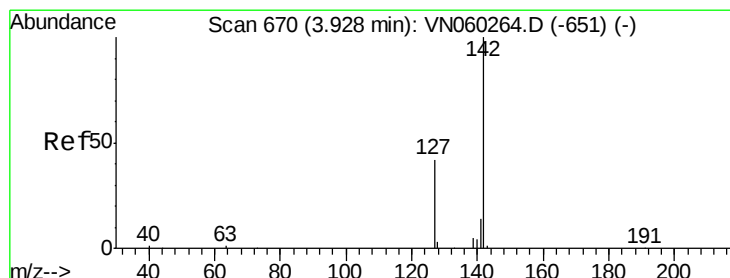
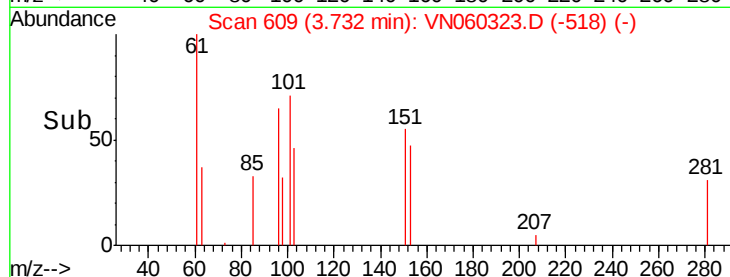
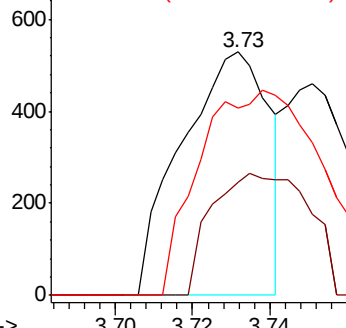
151 115.3 62.0 93.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.806 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

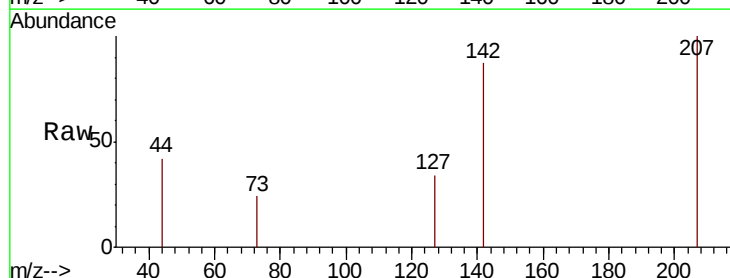
Tgt Ion:142 Resp: 1407

Ion Ratio Lower Upper

142 100

127 32.9 33.8 50.6#

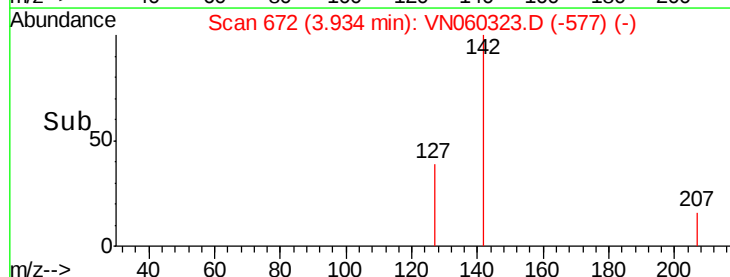
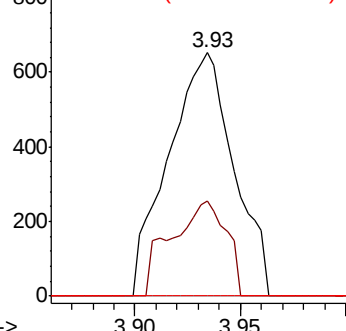
141 0.0 11.1 16.7#



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

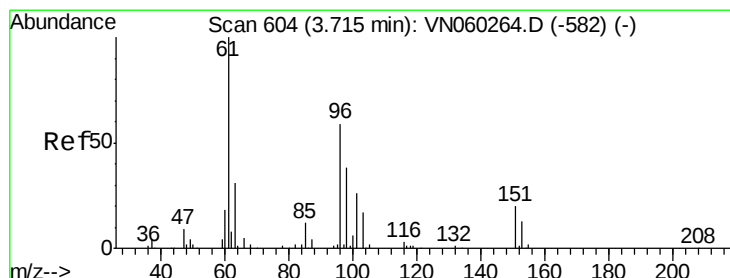
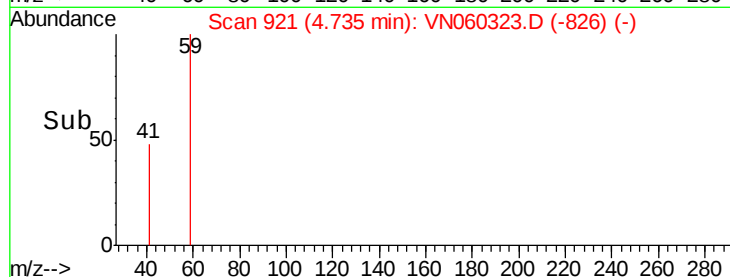
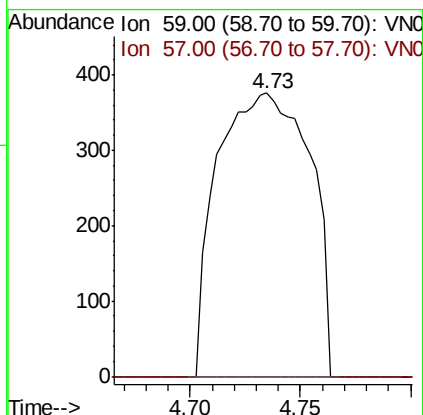
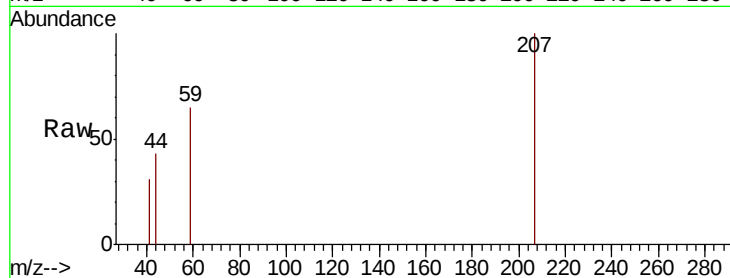




#11
Tert butyl alcohol
Concen: 2.959 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

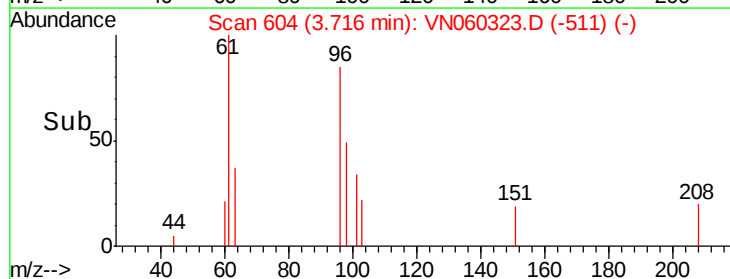
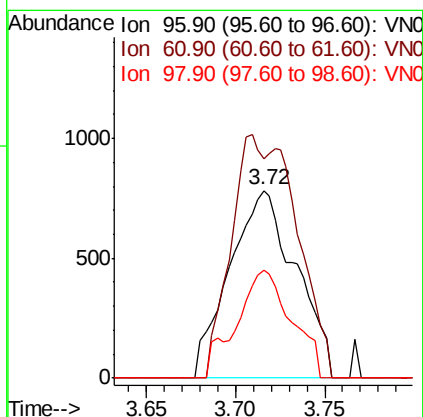
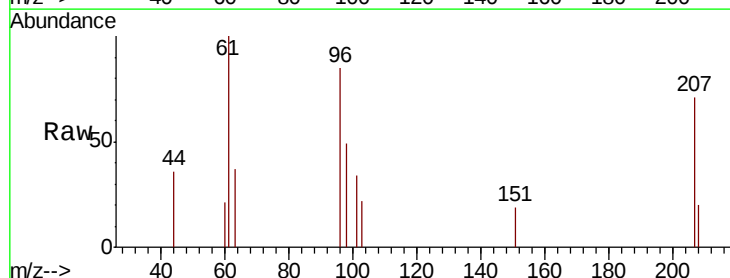
Instrument :
MSVOA_N
ClientSampleId :

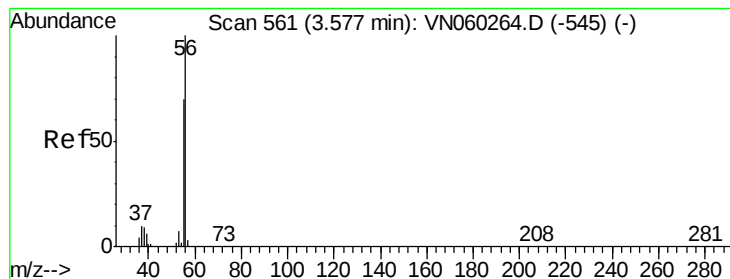
Tot Ion: 59 Resp: 1089
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.999 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 96 Resp: 2027
Ion Ratio Lower Upper
96 100
61 117.3 135.4 203.0#
98 57.3 51.6 77.4





#13

Acrolein

Concen: 0.687 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

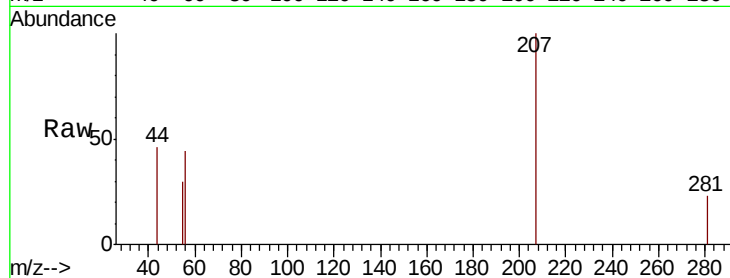
ClientSampleId :

Tot Ion: 56 Resp: 236

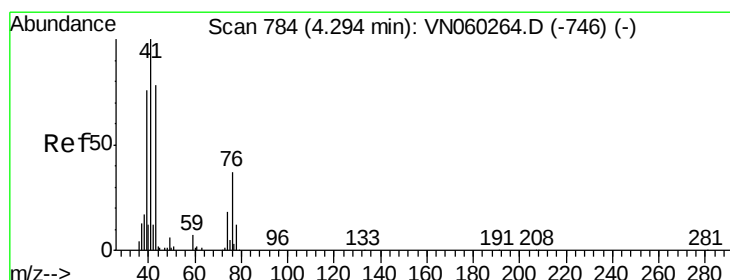
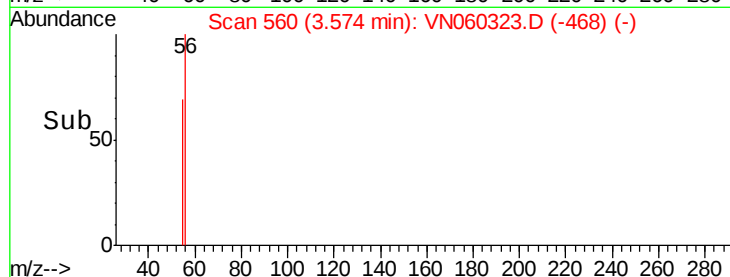
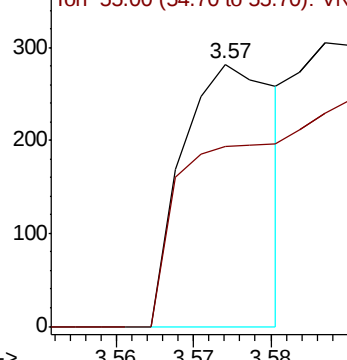
Ion Ratio Lower Upper

56 100

55 209.3 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN060323.D (-468) (-)



#14

Allyl chloride

Concen: 0.821 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

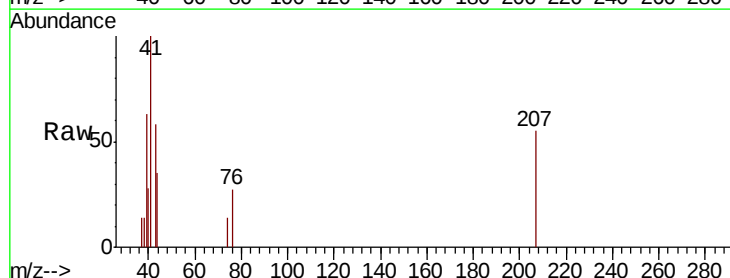
Tgt Ion: 41 Resp: 2809

Ion Ratio Lower Upper

41 100

39 80.0 55.4 83.2

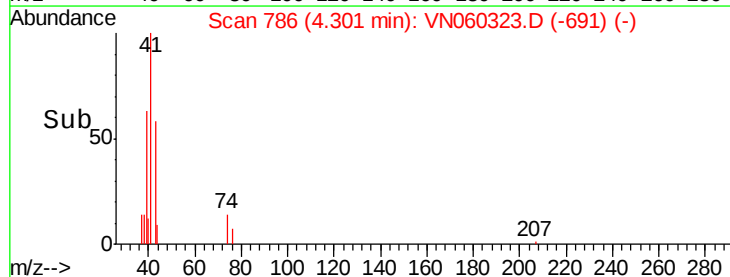
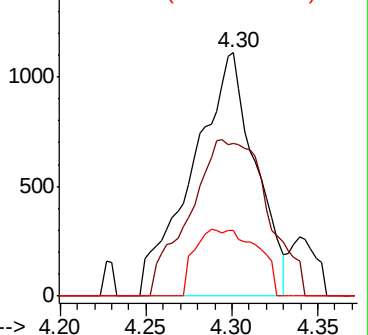
76 27.3 27.0 40.6

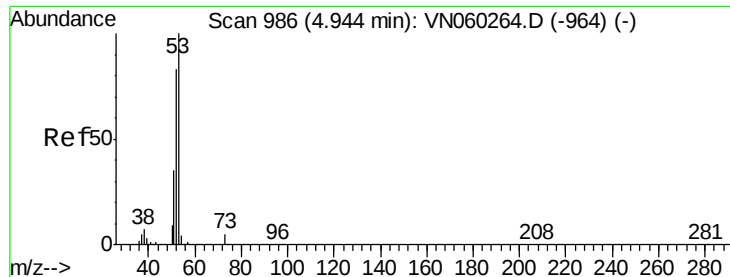


Abundance Ion 41.00 (40.70 to 41.70): VN060323.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060323.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060323.D (-691) (-)





#15

Acrylonitrile

Concen: 2.767 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

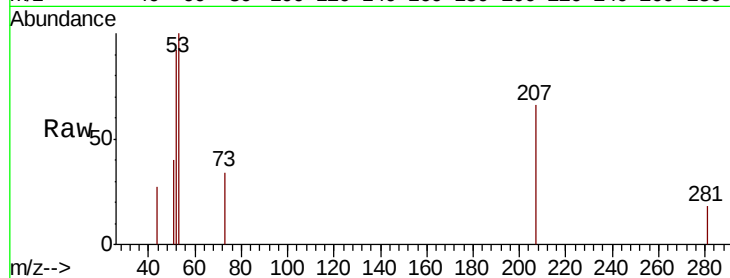
Tot Ion: 53 Resp: 2684

Ion Ratio Lower Upper

53 100

52 108.8 66.8 100.2#

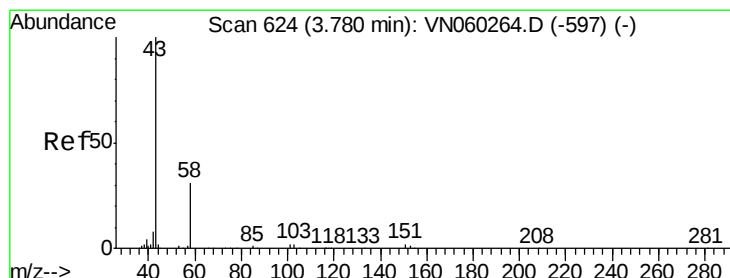
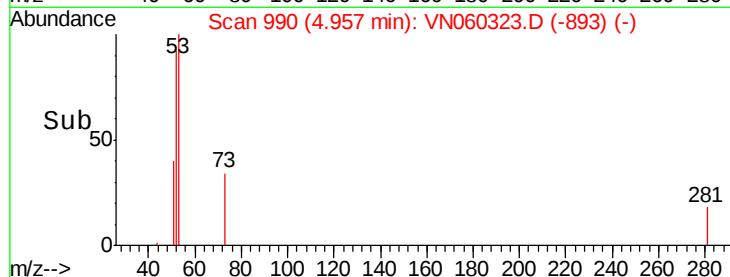
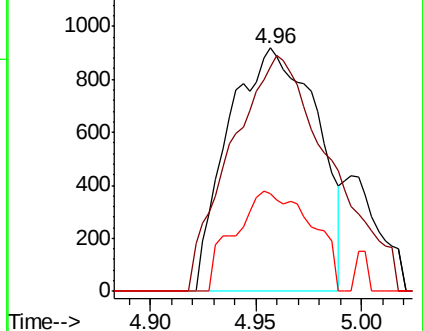
51 35.7 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060323.D (-990) (-)

Ion 52.00 (51.70 to 52.70): VN060323.D (-990) (-)

Ion 51.00 (50.70 to 51.70): VN060323.D (-990) (-)



#16

Acetone

Concen: 4.444 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060323.D

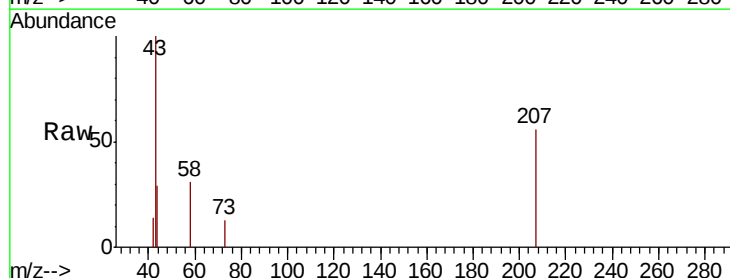
Acq: 3 Mar 2020 12:48

Tgt Ion: 43 Resp: 3557

Ion Ratio Lower Upper

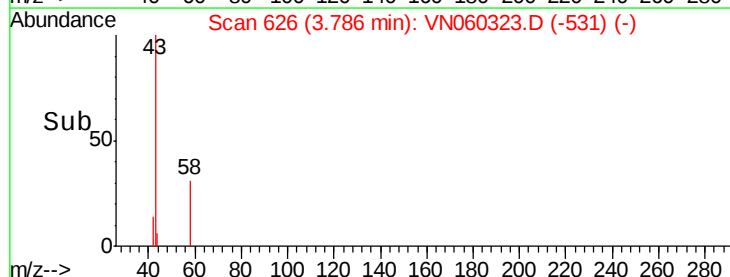
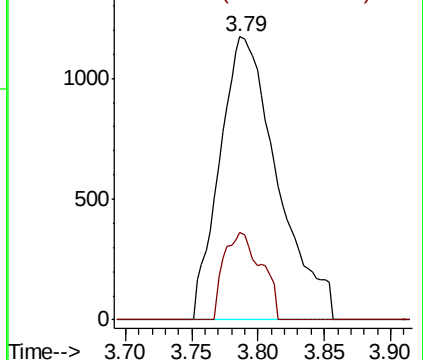
43 100

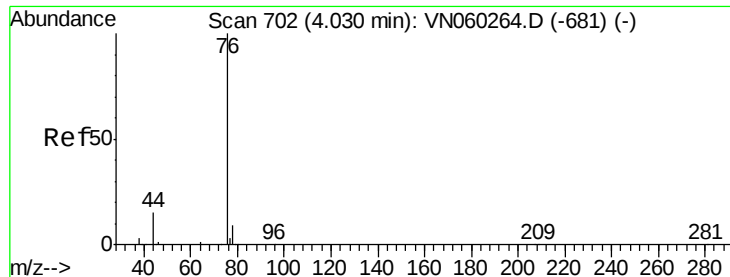
58 30.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060323.D (-626) (-)

Ion 58.00 (57.70 to 58.70): VN060323.D (-626) (-)





#17

Carbon Disulfide

Concen: 0.809 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

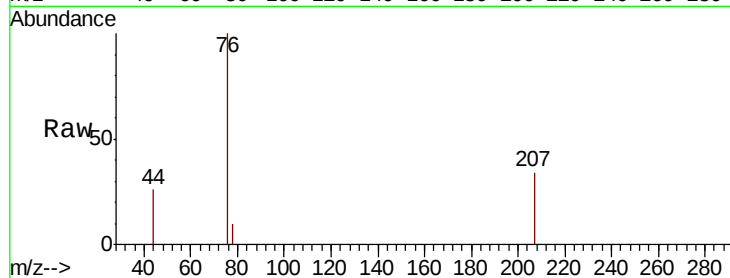
ClientSampleId :

Tot Ion: 76 Resp: 4658

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN060323.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN060323.D (-608) (-)

4.03

2000

1500

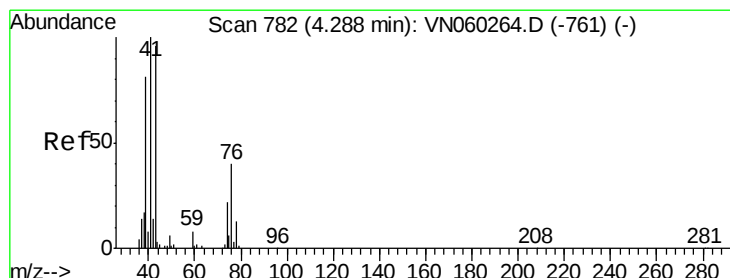
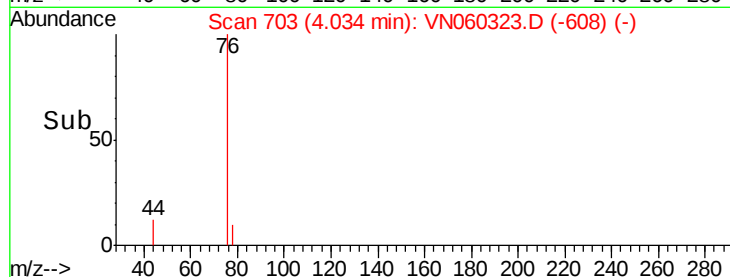
1000

500

0

3.95 4.00 4.05 4.10

Time-->



#18

Methyl Acetate

Concen: 0.456 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN060323.D

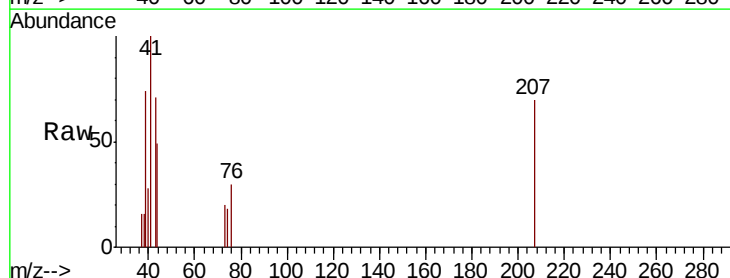
Acq: 3 Mar 2020 12:48

Tgt Ion: 43 Resp: 1219

Ion Ratio Lower Upper

43 100

74 21.3 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN060323.D (-688) (-)

Ion 74.00 (73.70 to 74.70): VN060323.D (-688) (-)

4.29

800

600

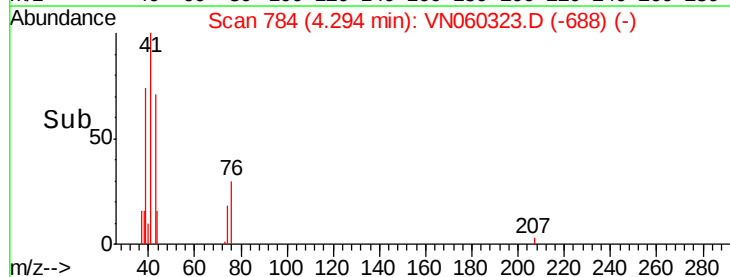
400

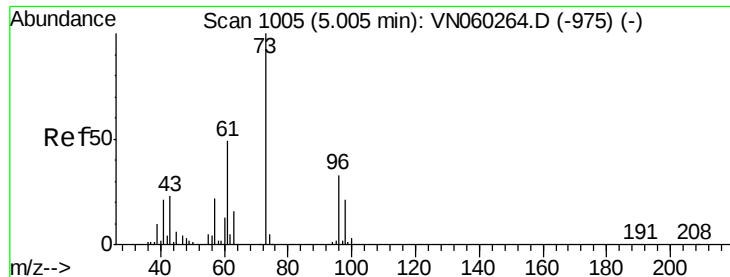
200

0

4.24 4.26 4.28 4.30

Time-->

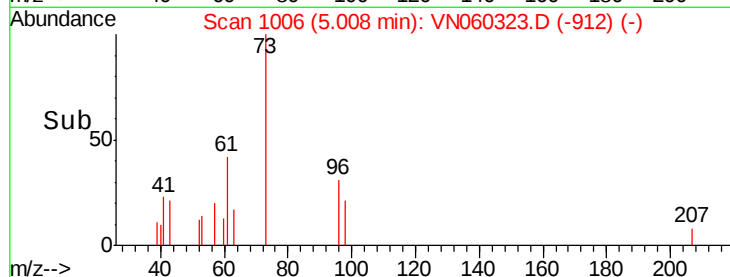
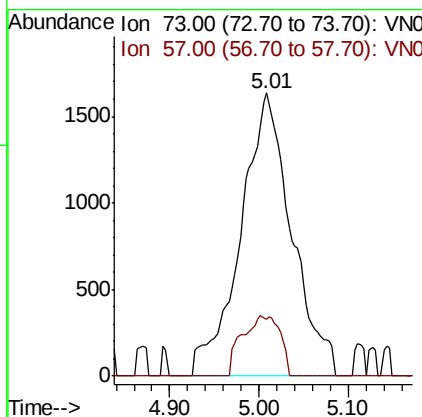
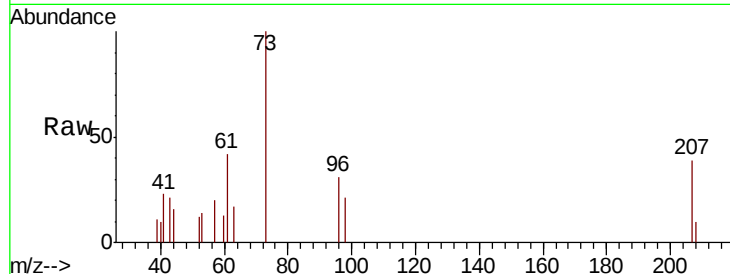




#19
Methyl tert-butyl Ether
Concen: 0.967 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

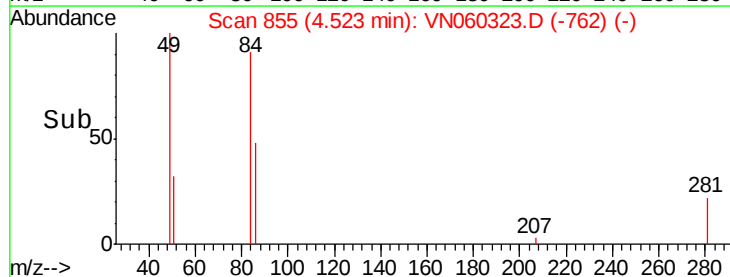
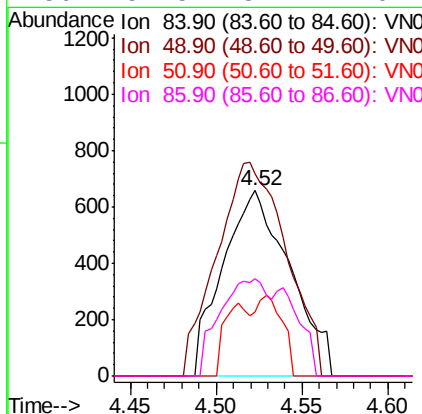
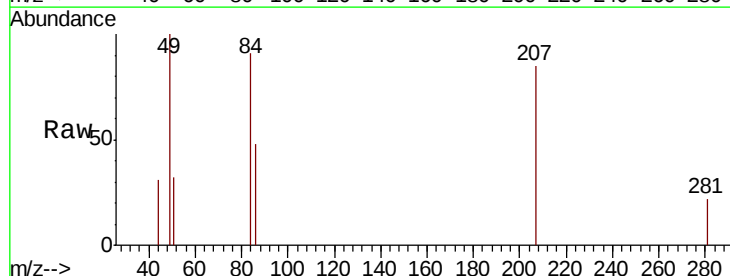
Instrument :
MSVOA_N
ClientSampled :

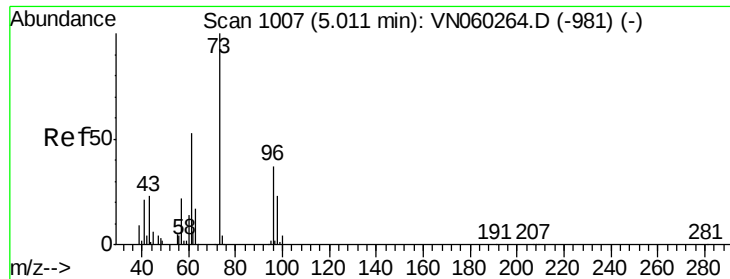
Tot Ion: 73 Resp: 6514
Ion Ratio Lower Upper
73 100
57 19.9 17.3 25.9



#20
Methylene Chloride
Concen: 0.814 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 84 Resp: 1790
Ion Ratio Lower Upper
84 100
49 109.6 99.3 148.9
51 34.6 30.1 45.1
86 52.5 51.1 76.7

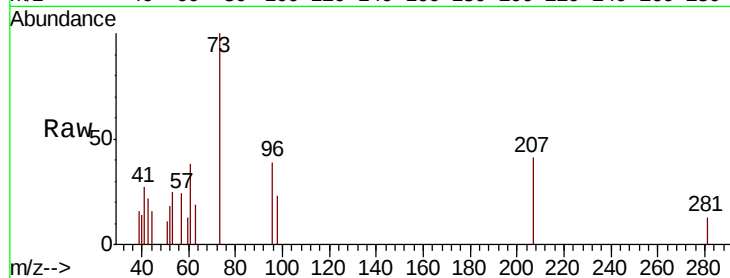




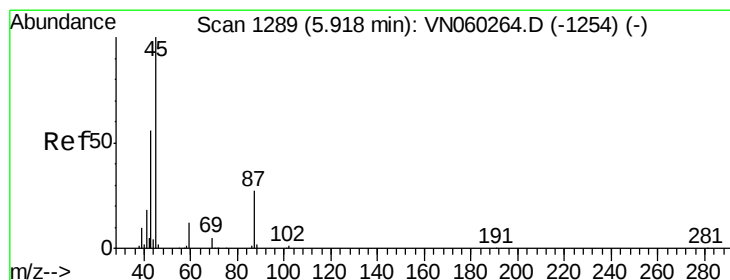
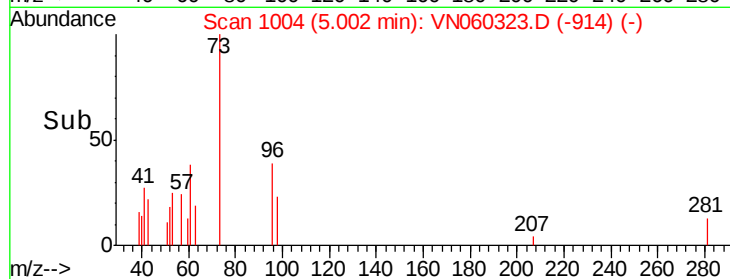
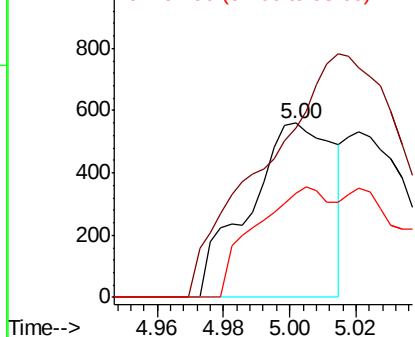
#21
trans-1,2-Dichloroethene
Concen: 0.432 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 992
Ion Ratio Lower Upper
96 100
61 97.1 113.8 170.8#
98 59.6 48.8 73.2

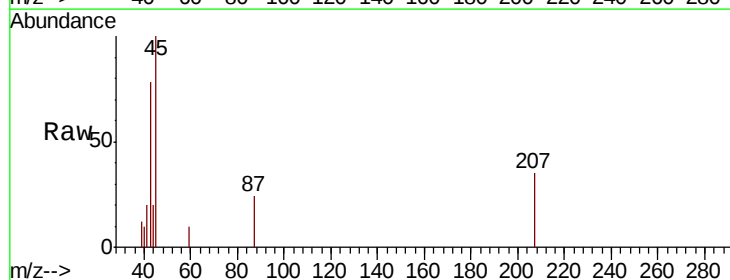


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

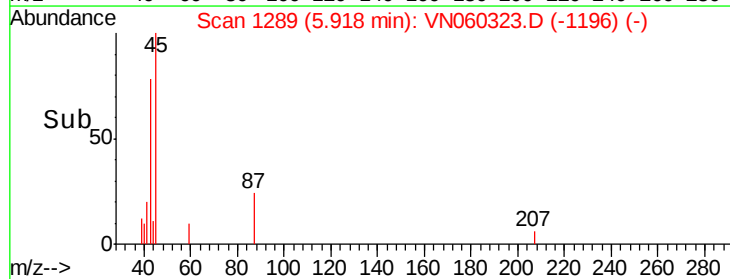
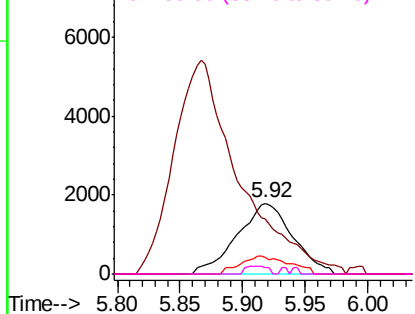


#22
Diisopropyl ether
Concen: 0.796 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 45 Resp: 5518
Ion Ratio Lower Upper
45 100
43 66.9 48.6 72.8
87 23.6 22.2 33.2
59 10.0 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

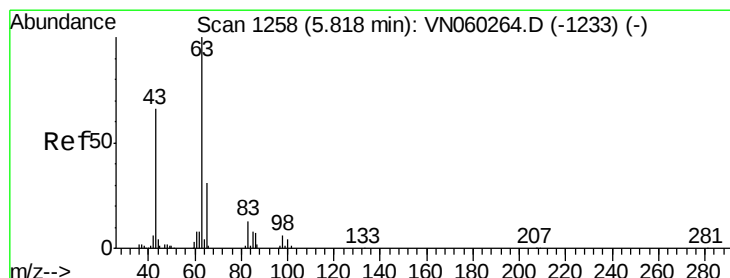
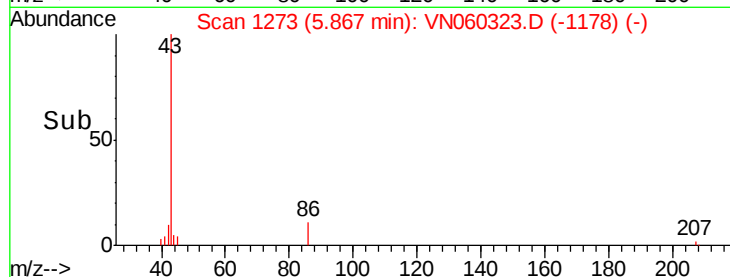
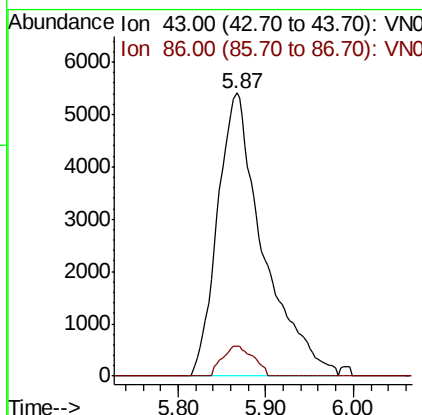
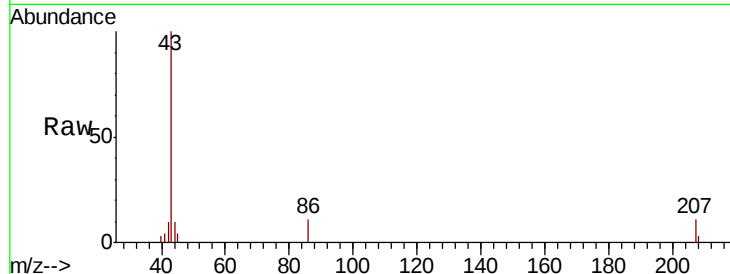




#23
 Vinyl Acetate
 Concen: 3.561 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

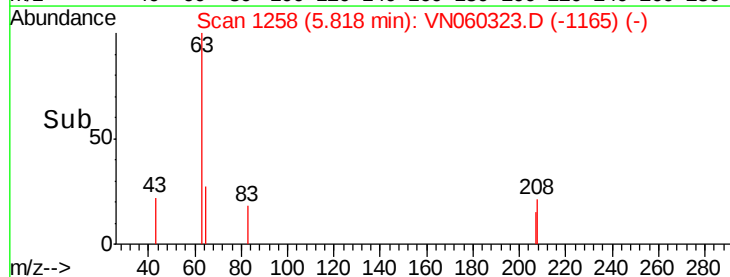
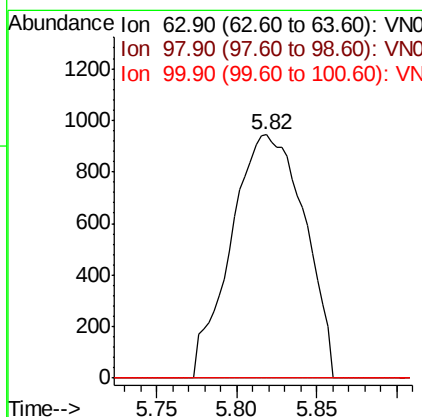
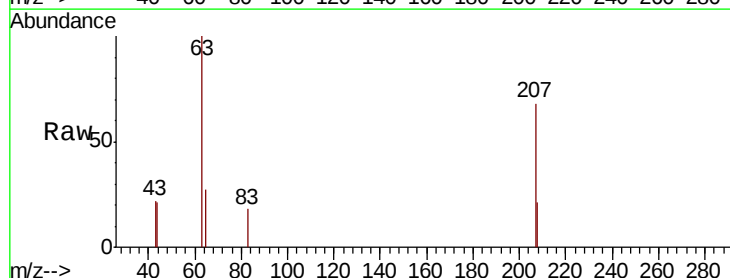
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 19613
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 0.760 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion: 63 Resp: 2980
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.0 9.0#
 100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 3.743 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

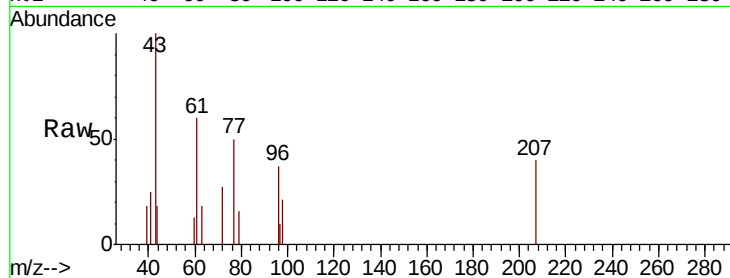
ClientSampleId :

Tot Ion: 43 Resp: 4838

Ion Ratio Lower Upper

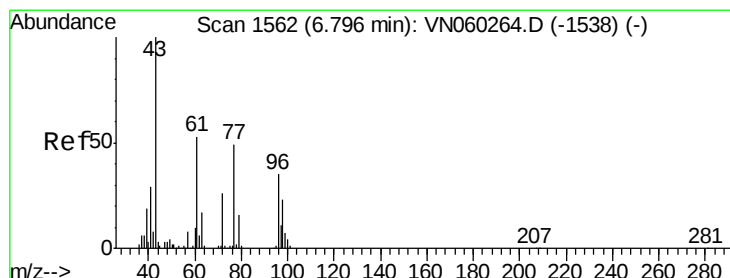
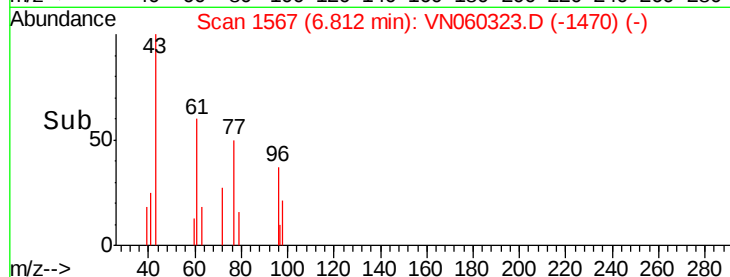
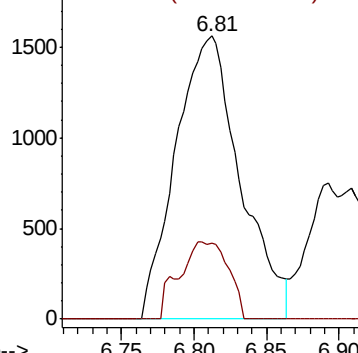
43 100

72 26.9 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 0.809 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060323.D

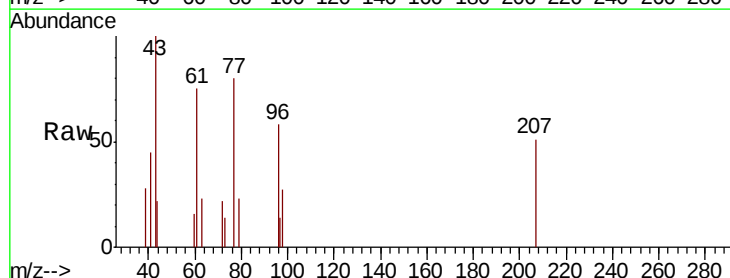
Acq: 3 Mar 2020 12:48

Tgt Ion: 77 Resp: 2891

Ion Ratio Lower Upper

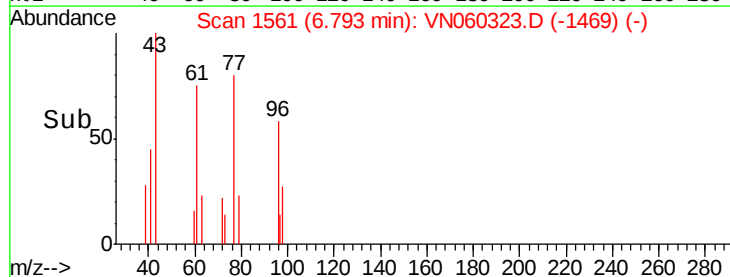
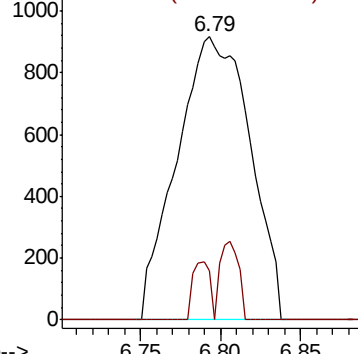
77 100

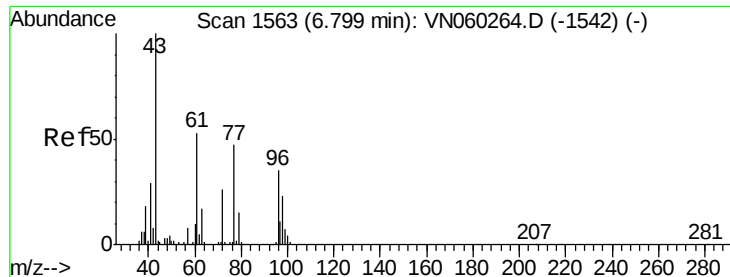
97 4.5 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.848 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :
MSVOA_N
ClientSampled :

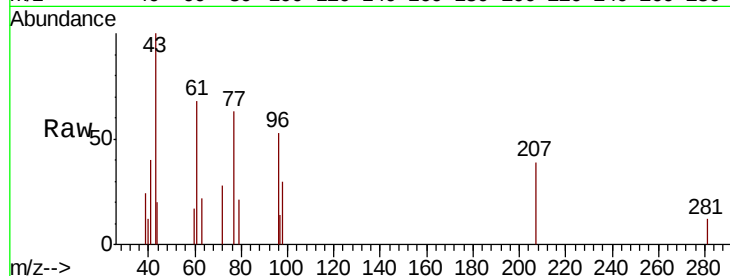
Tot Ion: 96 Resp: 2161

Ion Ratio Lower Upper

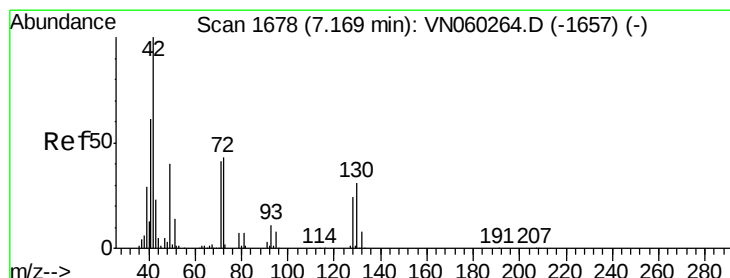
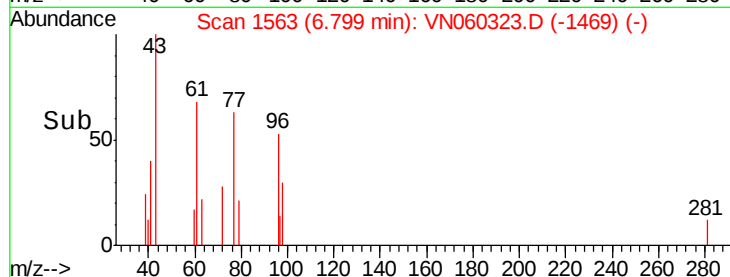
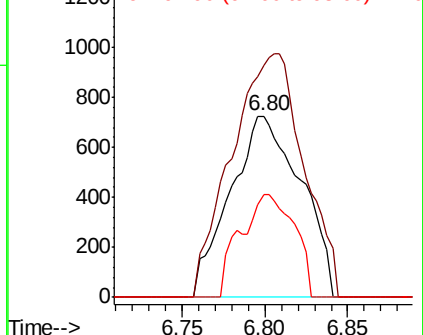
96 100

61 136.9 0.0 300.8

98 42.9 0.0 128.2



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



#28

Bromochloromethane

Concen: 0.647 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

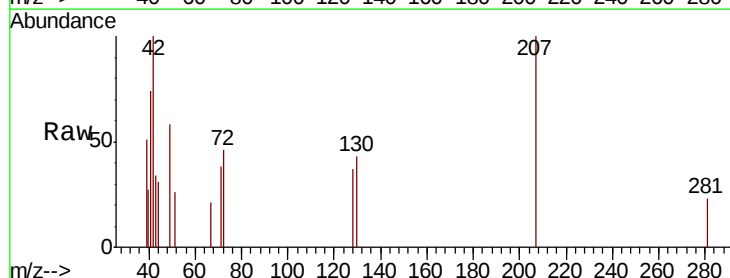
Tgt Ion: 49 Resp: 1042

Ion Ratio Lower Upper

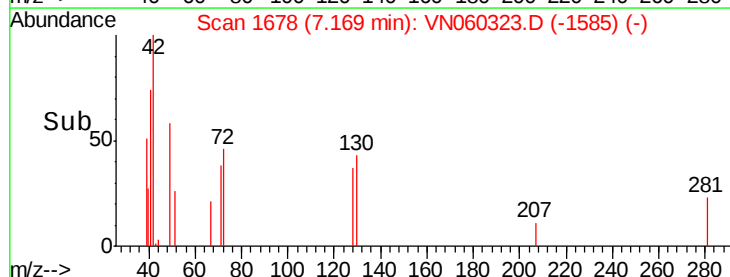
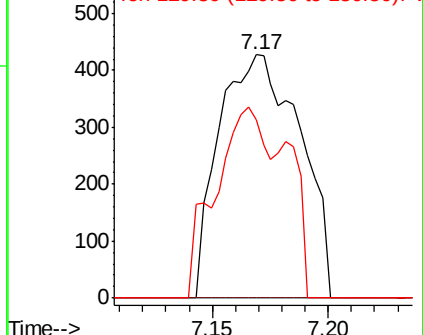
49 100

129 0.0 0.0 3.8

130 49.9 59.8 89.8#



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





#29

Tetrahydrofuran

Concen: 3.692 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

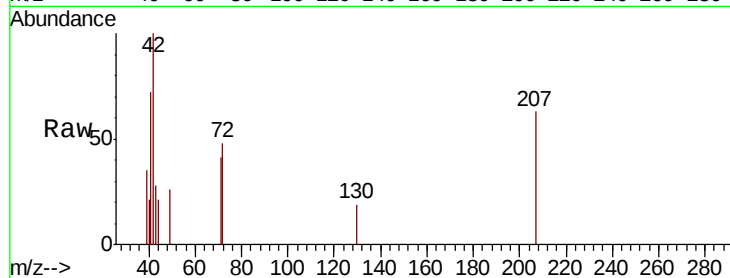
Tot Ion: 42 Resp: 3319

Ion Ratio Lower Upper

42 100

72 38.1 34.6 52.0

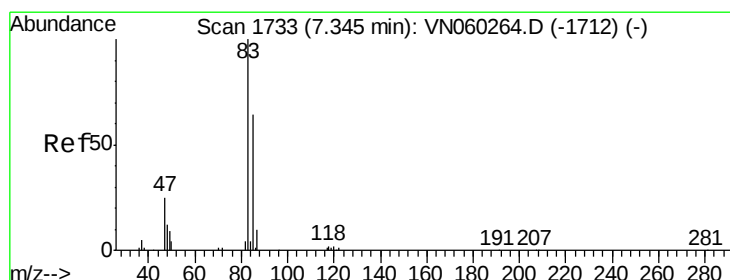
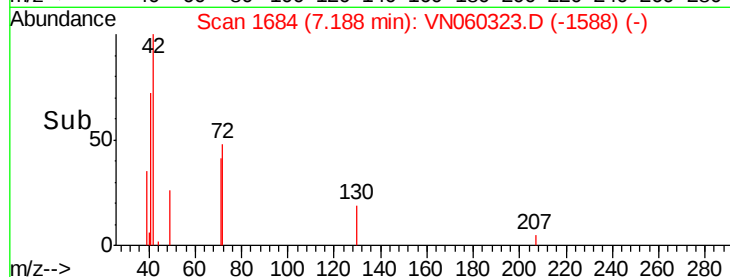
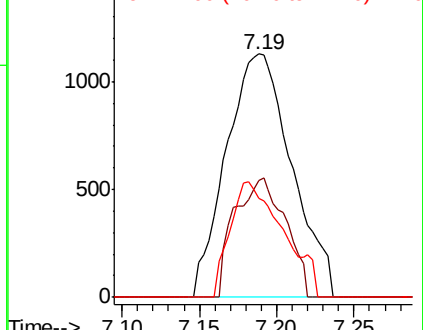
71 38.6 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060323.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN060323.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN060323.D (-1651) (-)



#30

Chloroform

Concen: 0.794 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060323.D

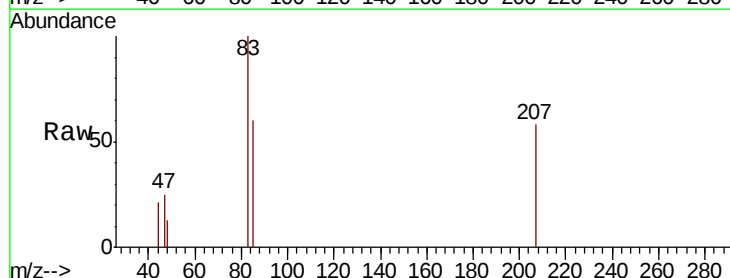
Acq: 3 Mar 2020 12:48

Tgt Ion: 83 Resp: 3100

Ion Ratio Lower Upper

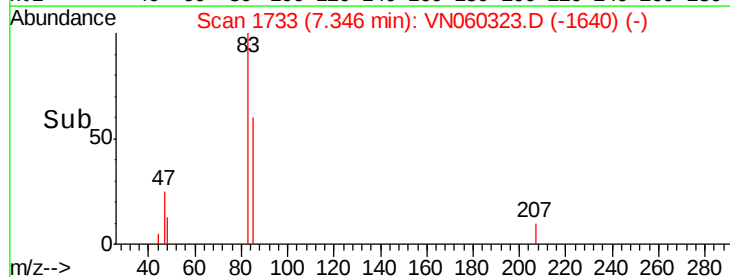
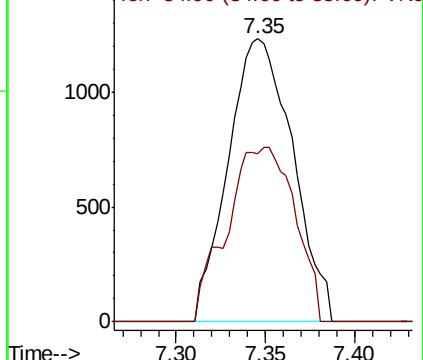
83 100

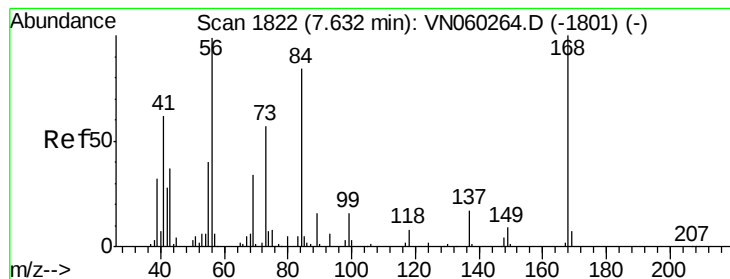
85 59.5 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060323.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060323.D (-1640) (-)





#31

Cyclohexane

Concen: 1.880 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

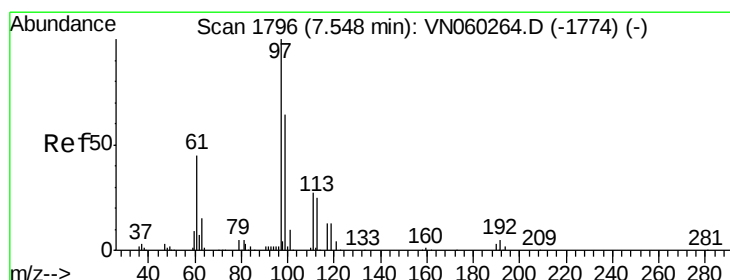
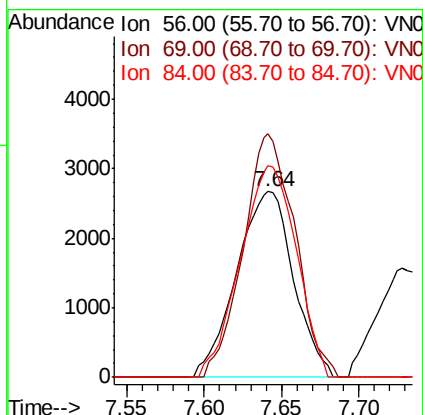
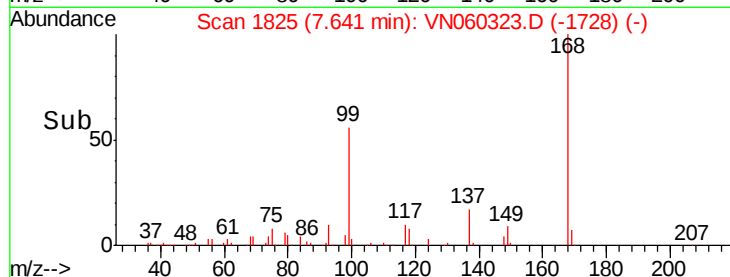
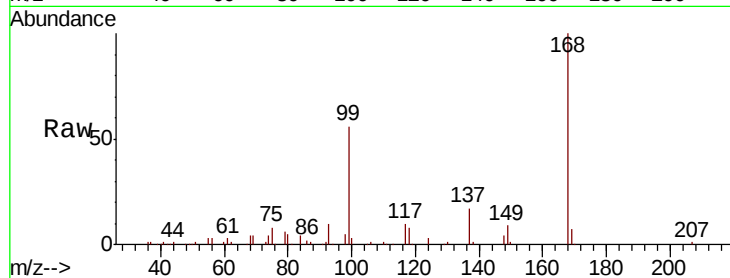
Tot Ion: 56 Resp: 6841

Ion Ratio Lower Upper

56 100

69 131.3 27.2 40.8#

84 114.0 66.7 100.1#



#32

1,1,1-Trichloroethane

Concen: 0.787 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

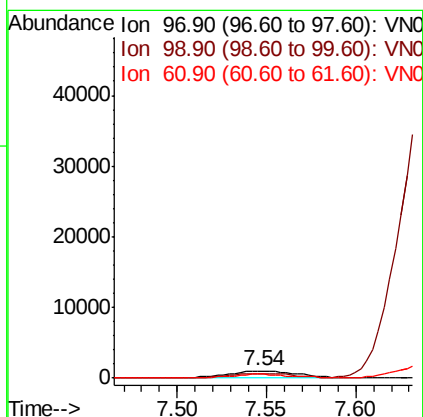
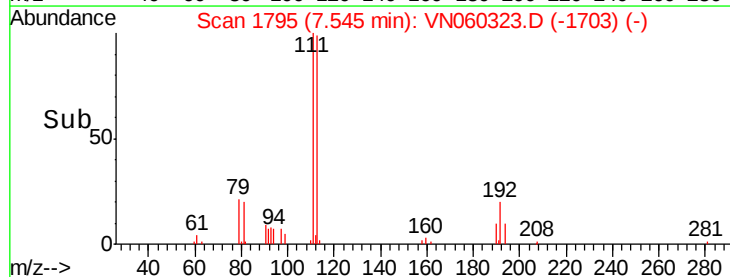
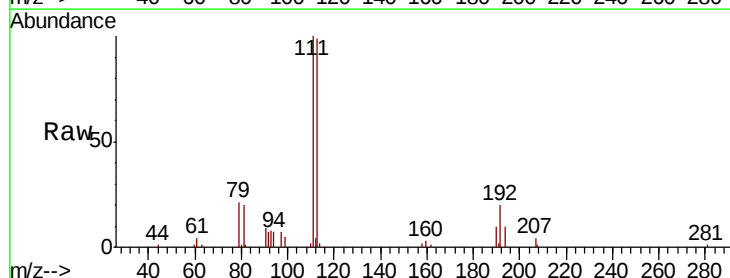
Tgt Ion: 97 Resp: 2723

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 44.3 36.6 55.0

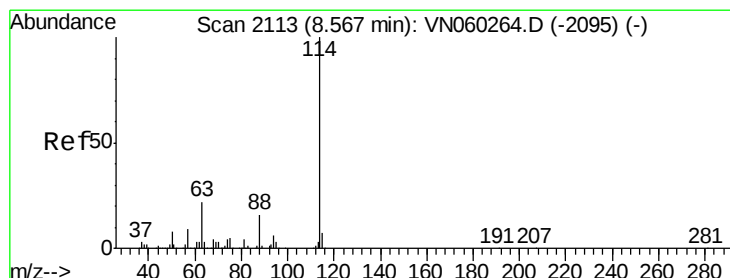
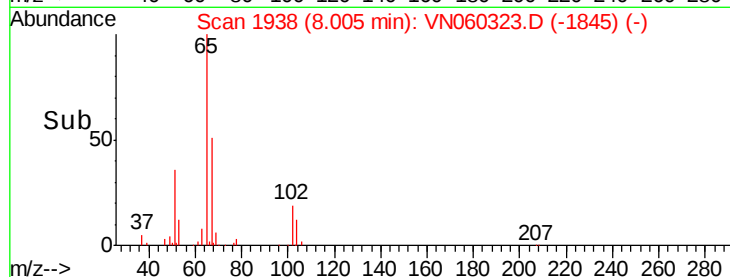
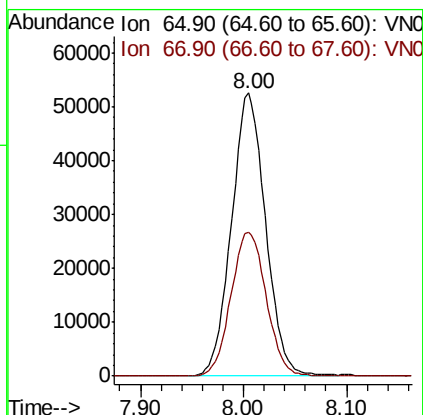
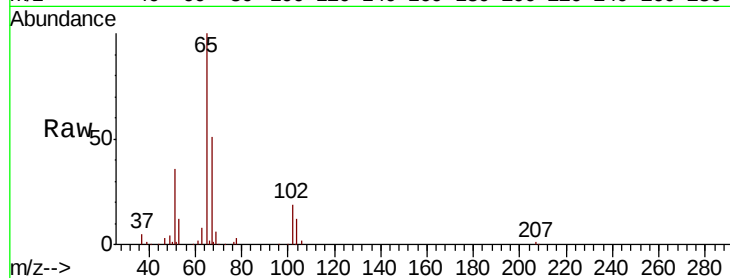




#33
 1,2-Dichloroethane-d4
 Concen: 48.798 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

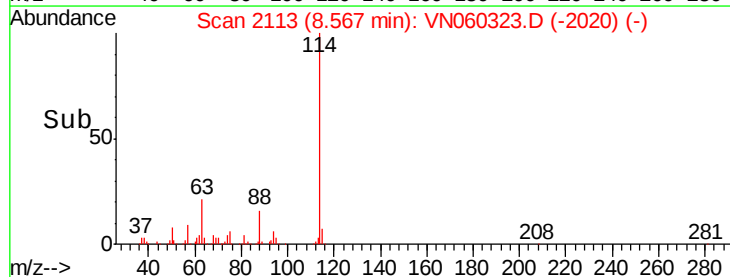
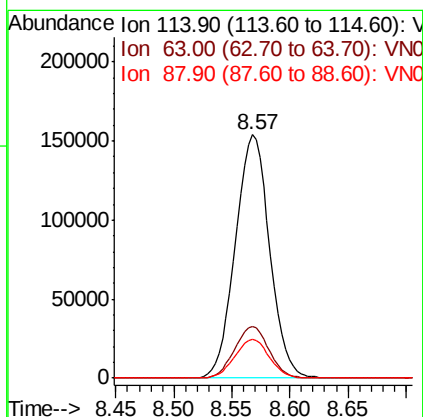
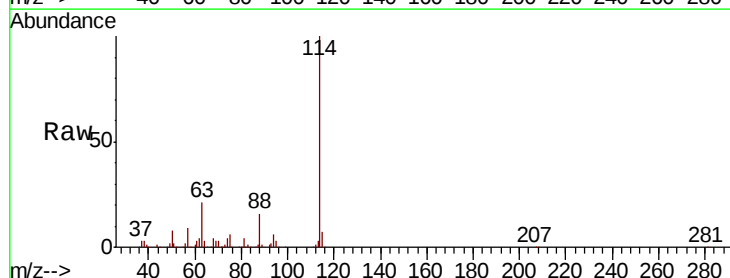
Instrument :
 MSVOA_N
 ClientSampled :

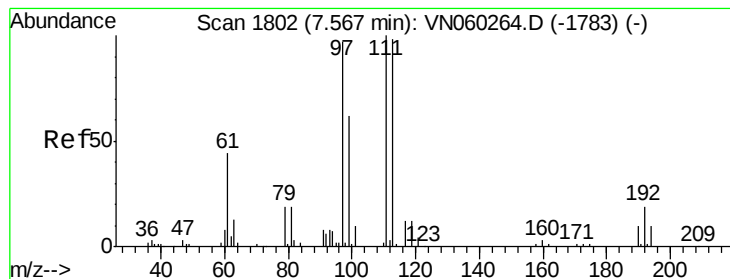
Tot Ion: 65 Resp: 120936
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion: 114 Resp: 316568
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 58.830 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :

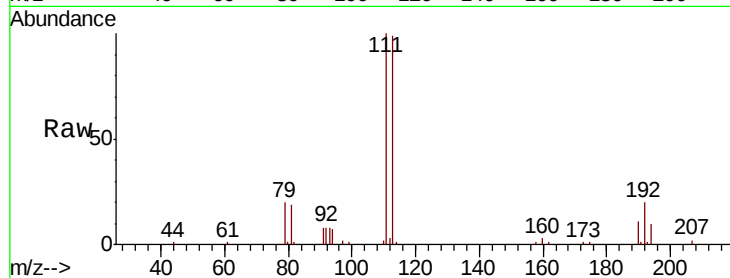
Tot Ion:113 Resp: 86445

Ion Ratio Lower Upper

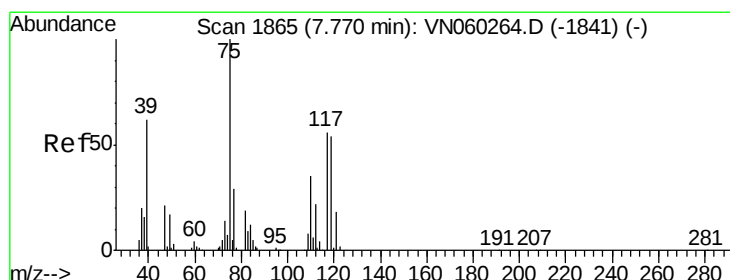
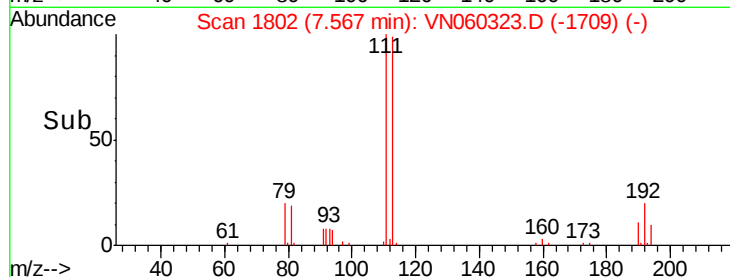
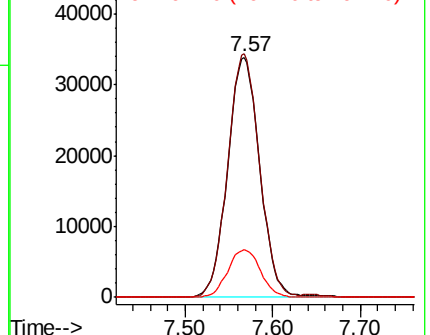
113 100

111 99.9 82.4 123.6

192 20.0 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: 0.773 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

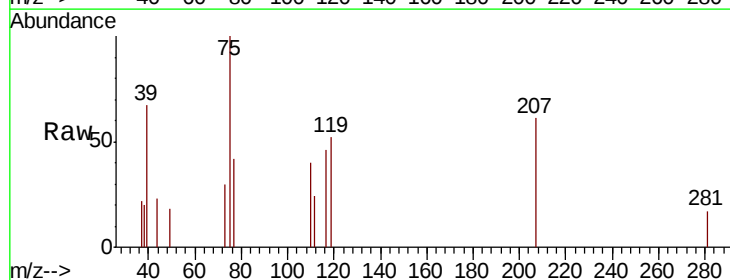
Tgt Ion: 75 Resp: 2333

Ion Ratio Lower Upper

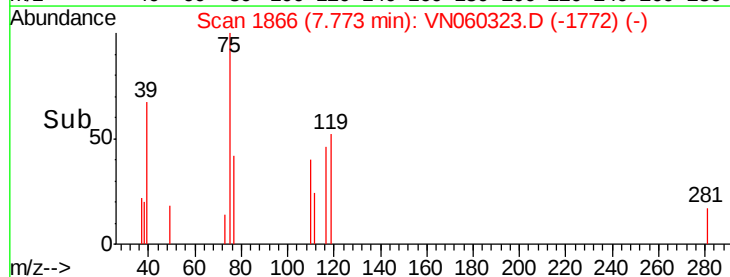
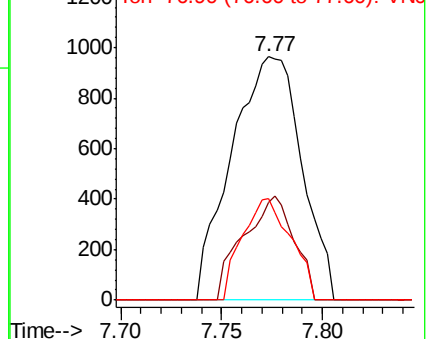
75 100

110 31.2 17.3 52.0

77 29.3 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0

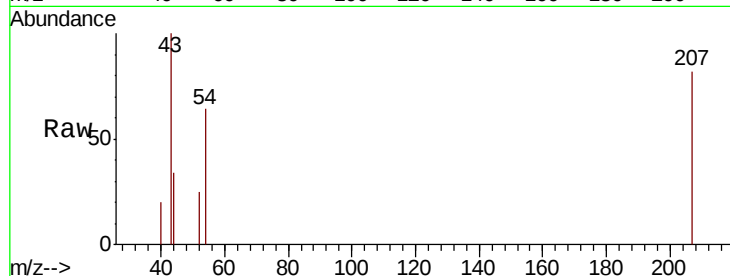




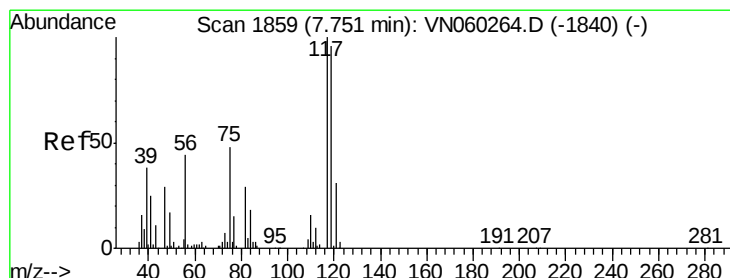
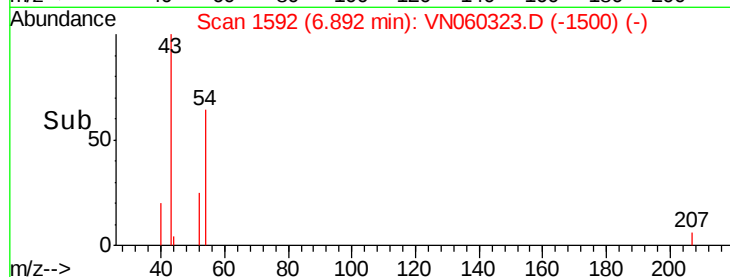
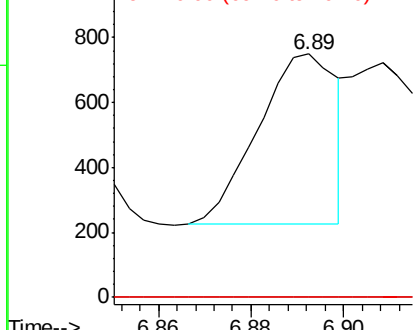
#37
Ethyl Acetate
Concen: 0.218 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.4 12.6#

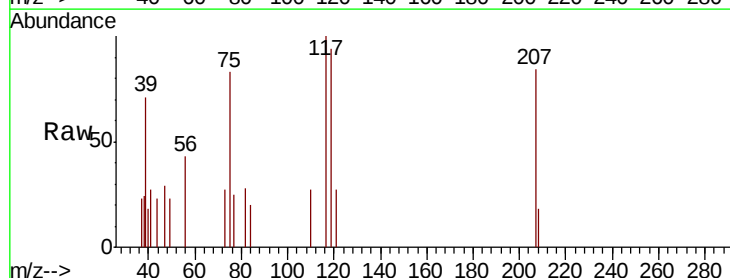


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

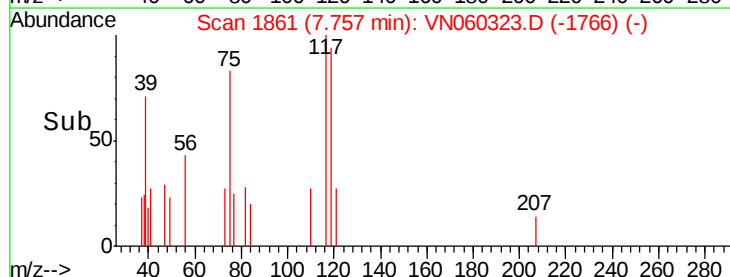
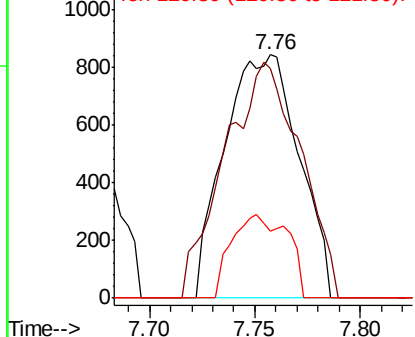


#38
Carbon Tetrachloride
Concen: 0.706 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 117 Resp: 2075
Ion Ratio Lower Upper
117 100
119 94.2 76.7 115.1
121 27.4 24.5 36.7



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

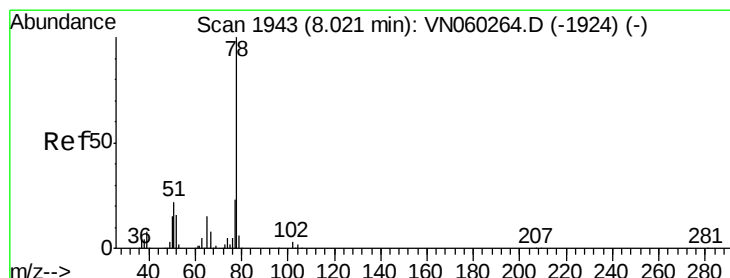
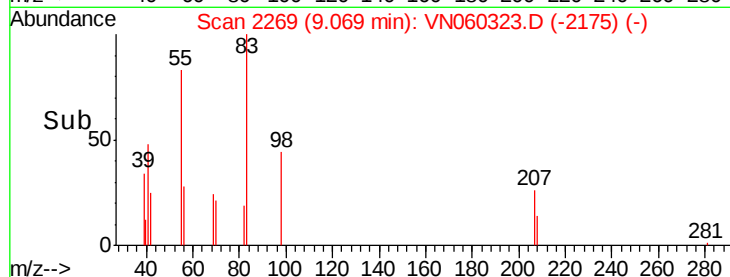
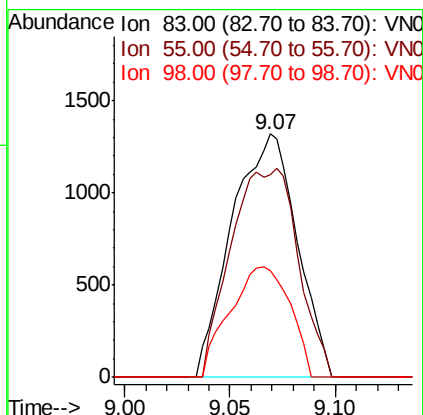
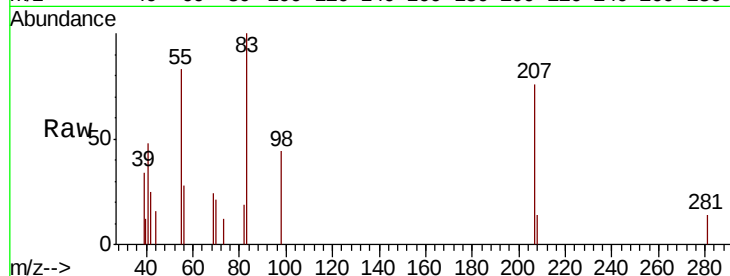




#39
Methvlcvclohexane
Concen: 0.794 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

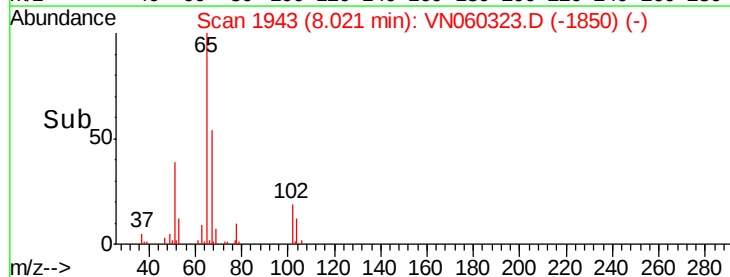
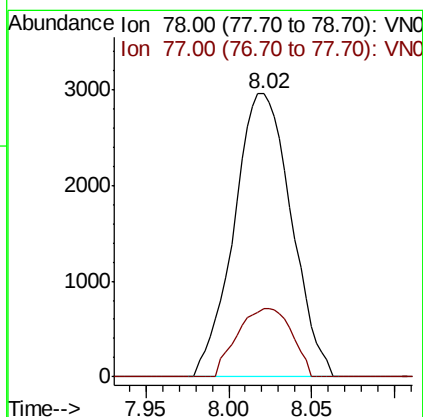
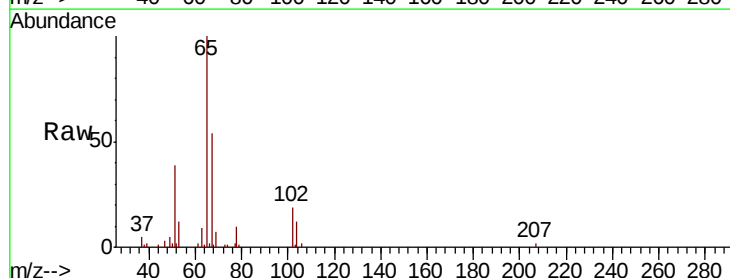
Instrument :
MSVOA_N
ClientSampleId :

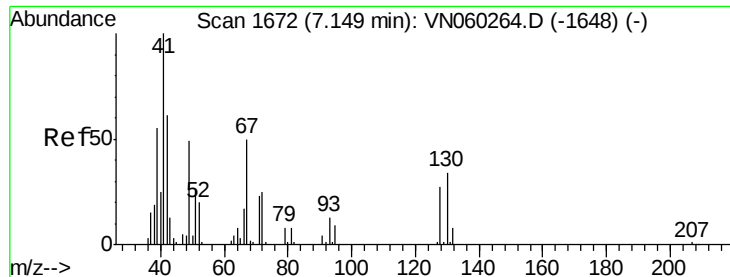
Tot Ion: 83 Resp: 2826
Ion Ratio Lower Upper
83 100
55 83.3 61.0 91.4
98 43.7 36.1 54.1



#40
Benzene
Concen: 0.810 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 78 Resp: 7113
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

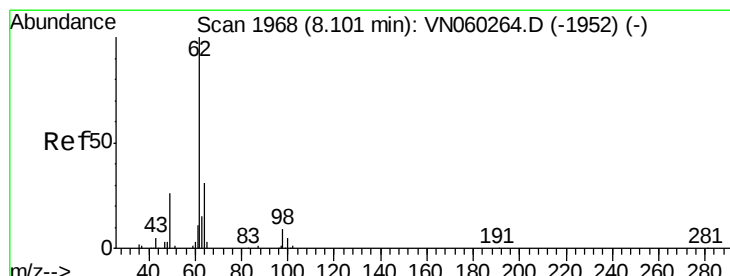
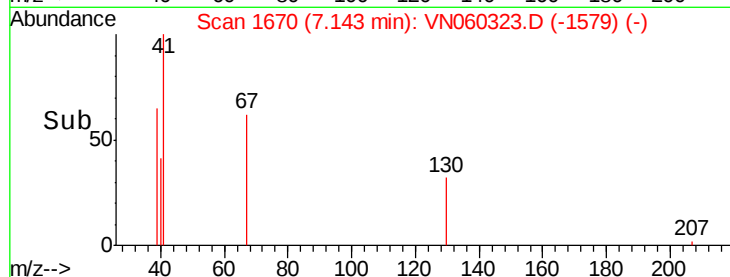
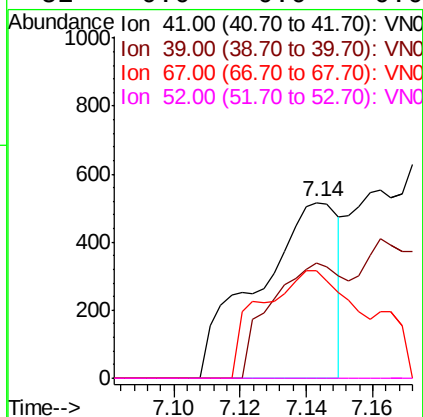
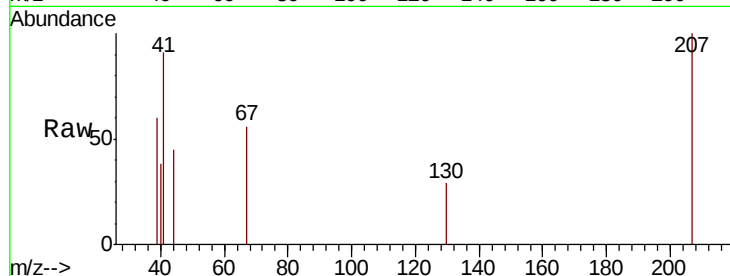




#41
Methacrylonitrile
Concen: 0.661 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

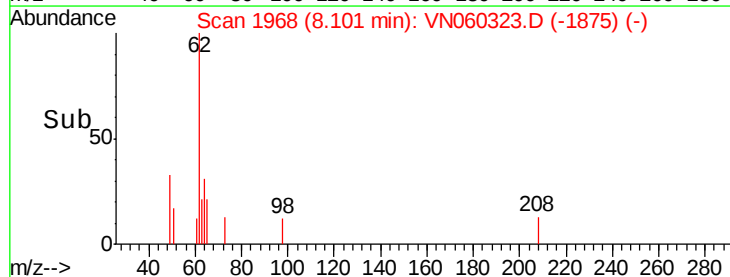
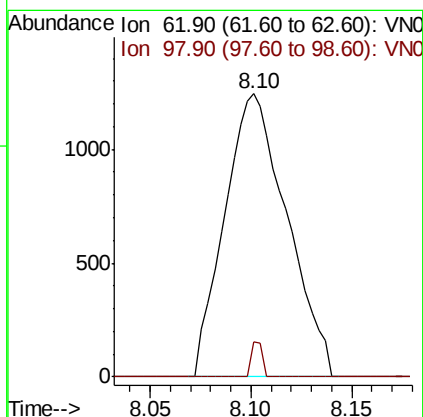
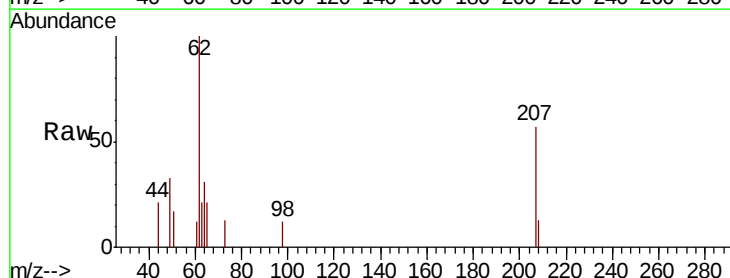
Instrument :
MSVOA_N
ClientSampled :

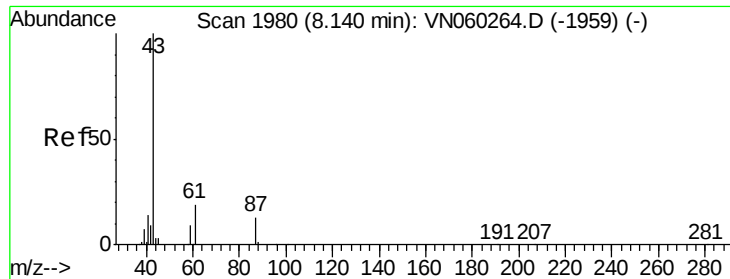
Tot Ion: 41 Resp: 872
Ion Ratio Lower Upper
41 100
39 60.6 0.0 0.0#
67 70.2 0.0 0.0#
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 0.844 ug/l
RT: 8.10 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 62 Resp: 2676
Ion Ratio Lower Upper
62 100
98 2.2 0.0 17.0





#43

Isopropyl Acetate

Concen: 0.778 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

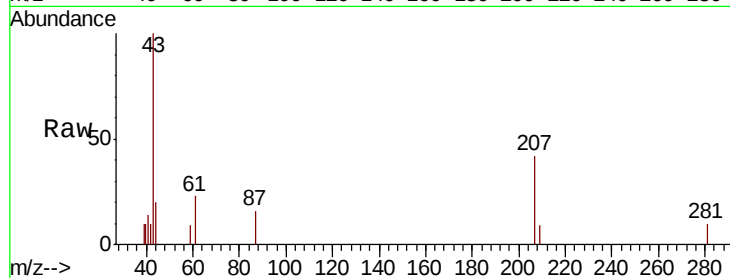
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3890

Ion	Ratio	Lower	Upper
43	100		
61	21.1	20.9	31.3
87	6.7	10.6	16.0#

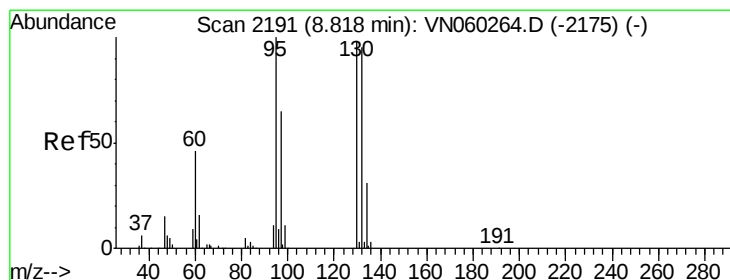
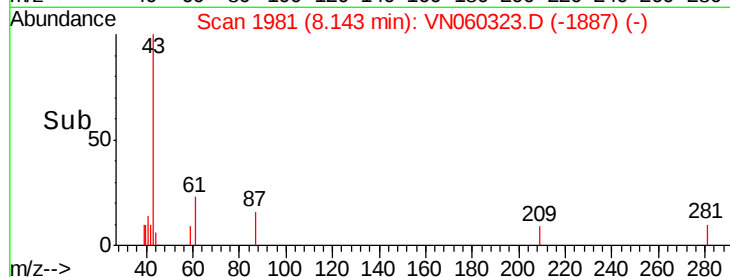
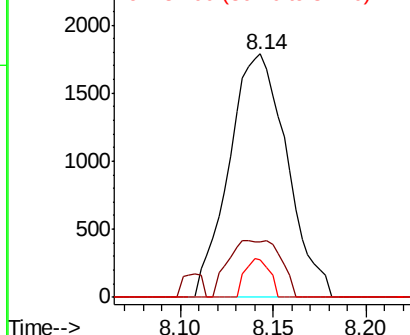


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 0.777 ug/l

RT: 8.82 min Scan# 2191

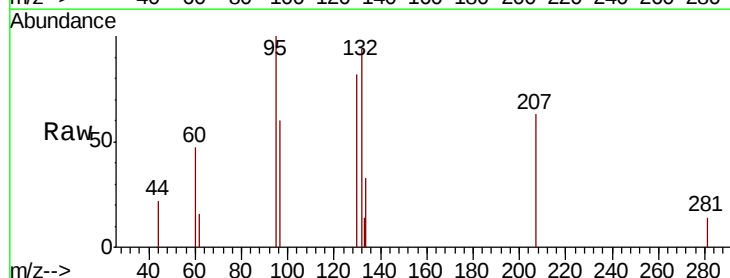
Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion: 130 Resp: 1900

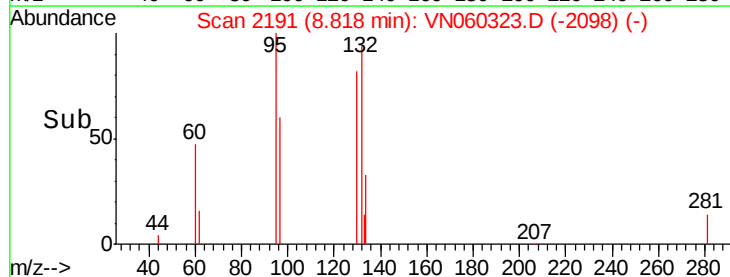
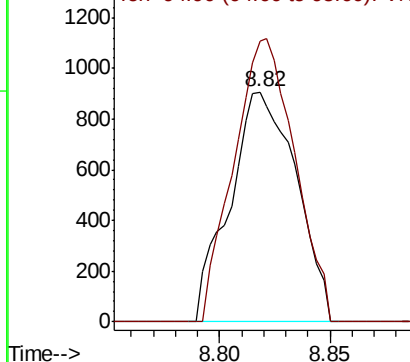
Ion	Ratio	Lower	Upper
130	100		
95	121.9	0.0	203.4

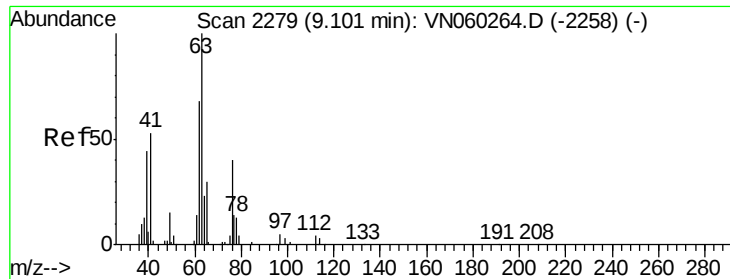


Abundance

Ion 129.80 (129.50 to 130.50): VN0

Ion 94.90 (94.60 to 95.60): VN0

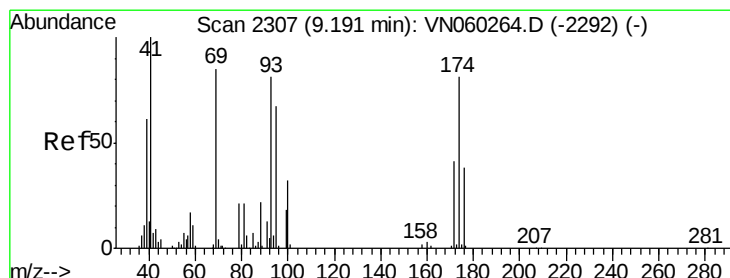
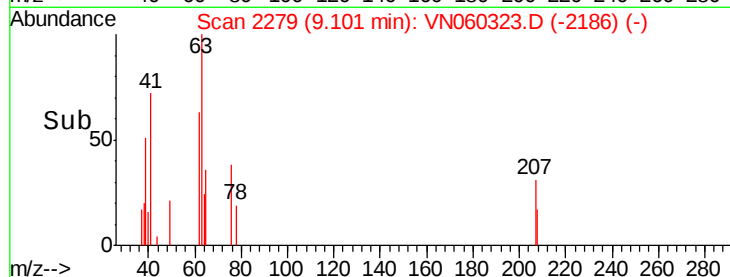
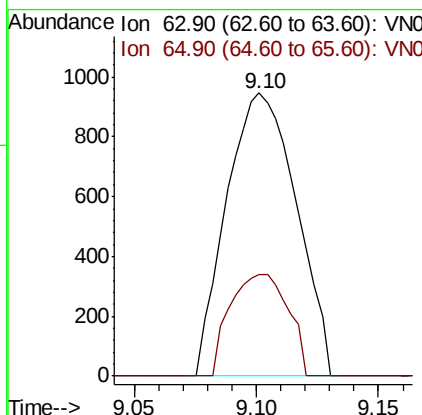
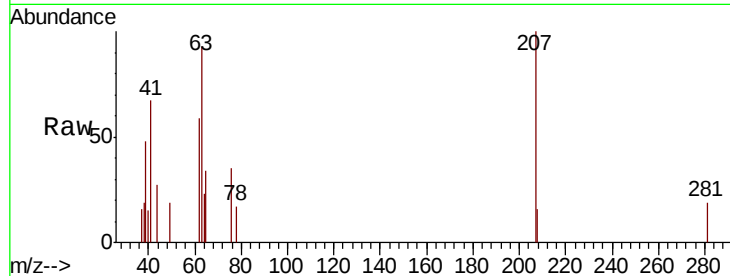




#45
 1,2-Dichloropropane
 Concen: 0.818 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

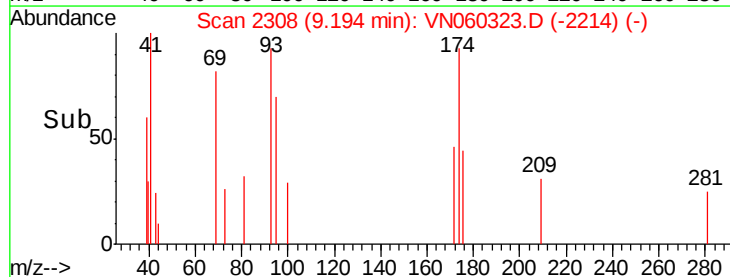
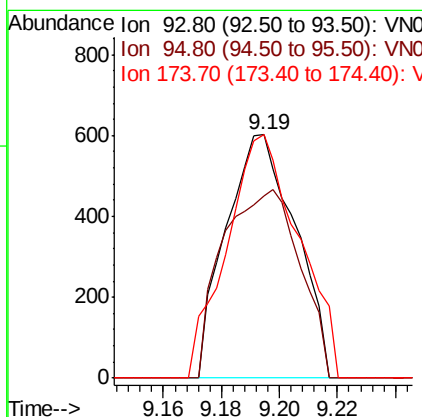
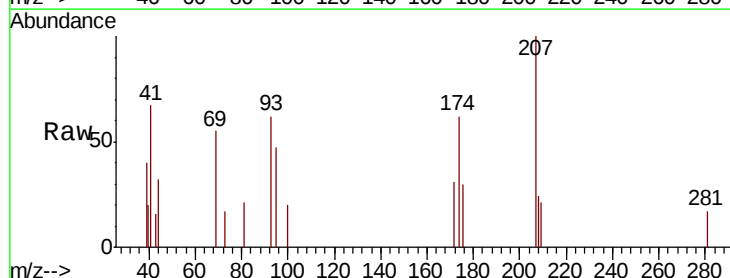
Instrument :
 MSVOA_N
 ClientSampled :

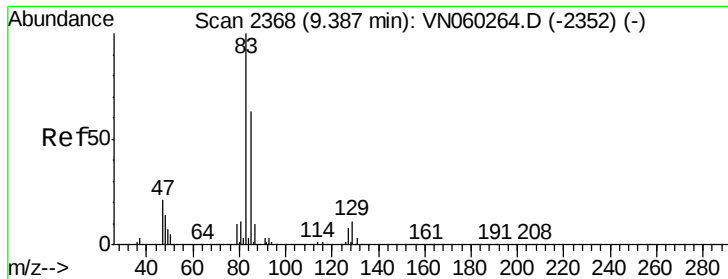
Tot Ion: 63 Resp: 1877
 Ion Ratio Lower Upper
 63 100
 65 35.9 24.4 36.6



#46
 Dibromomethane
 Concen: 0.671 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion: 93 Resp: 999
 Ion Ratio Lower Upper
 93 100
 95 86.5 65.9 98.9
 174 103.7 79.6 119.4





#47

Bromodichloromethane

Concen: 0.749 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

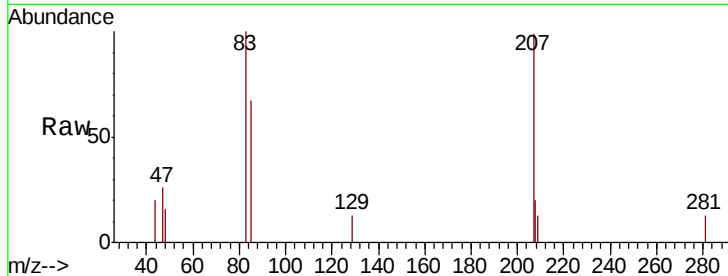
Tot Ion: 83 Resp: 2270

Ion Ratio Lower Upper

83 100

85 67.4 50.7 76.1

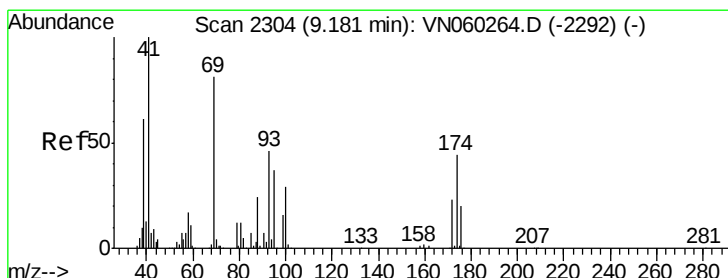
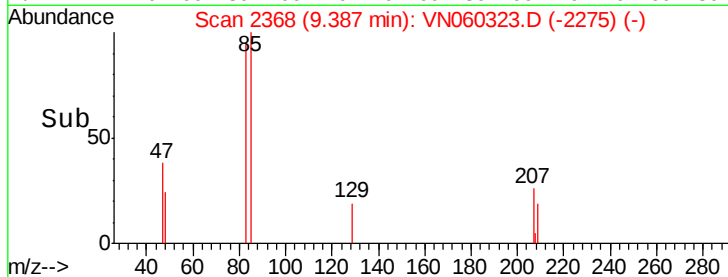
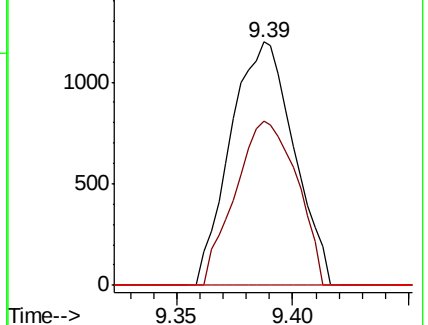
127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN060323.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060323.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060323.D (-2275) (-)



#48

Methyl methacrylate

Concen: 0.799 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

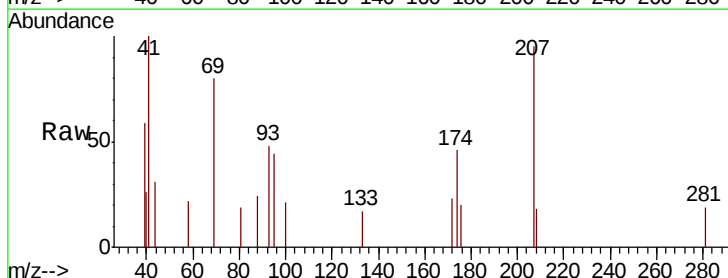
Tgt Ion: 41 Resp: 1822

Ion Ratio Lower Upper

41 100

69 71.1 66.7 100.1

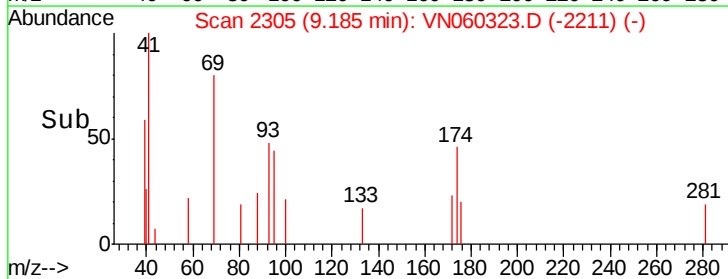
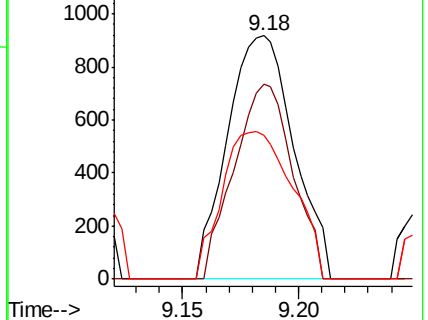
39 64.6 50.1 75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060323.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060323.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060323.D (-2211) (-)

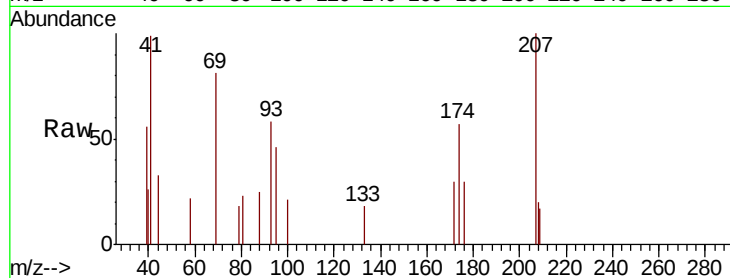




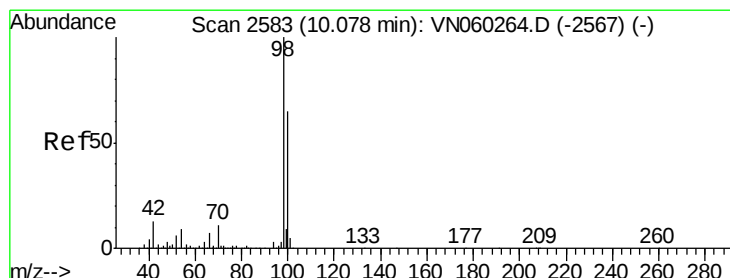
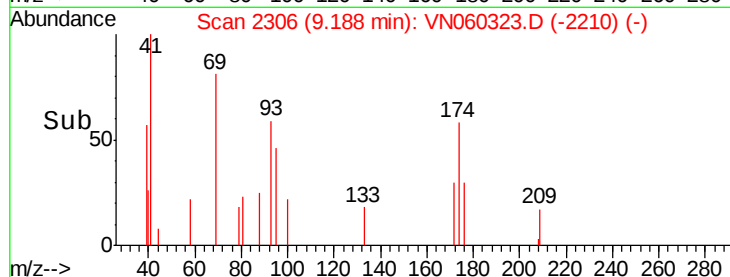
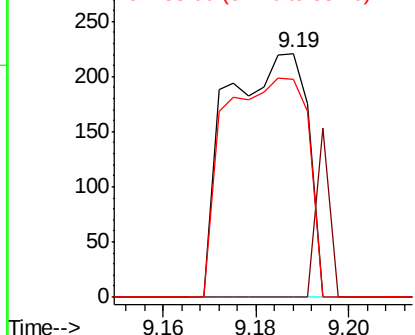
#49
1,4-Dioxane
Concen: 8.231 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 264
Ion Ratio Lower Upper
88 100
43 0.0 30.4 45.6#
58 93.6 57.0 85.6#

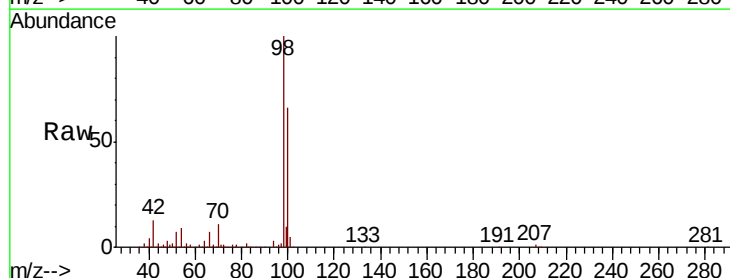


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

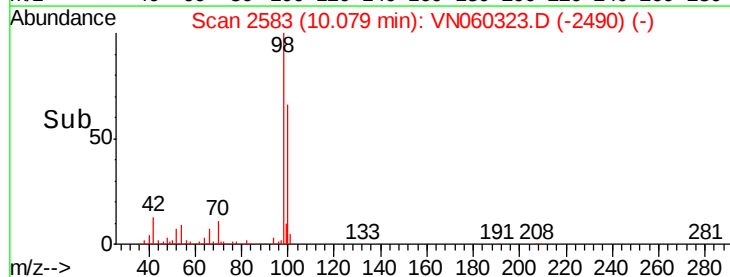
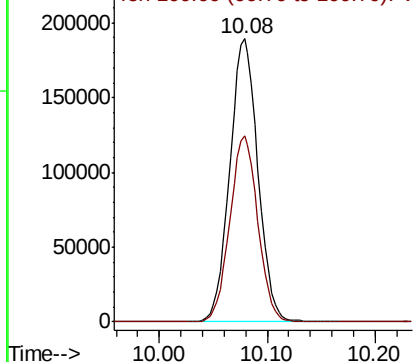


#50
Toluene-d8
Concen: 46.248 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 98 Resp: 343939
Ion Ratio Lower Upper
98 100
100 65.4 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: 3.531 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

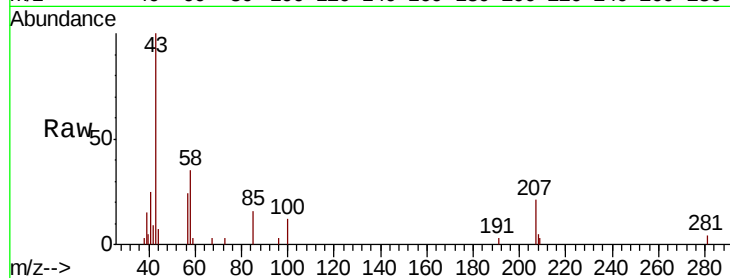
ClientSampleId :

Tot Ion: 43 Resp: 10012

Ion Ratio Lower Upper

43 100

58 38.9 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

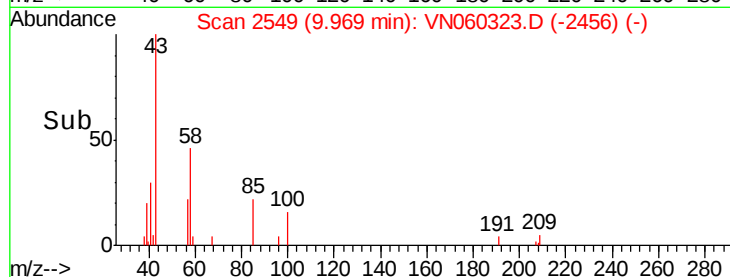
6000

4000

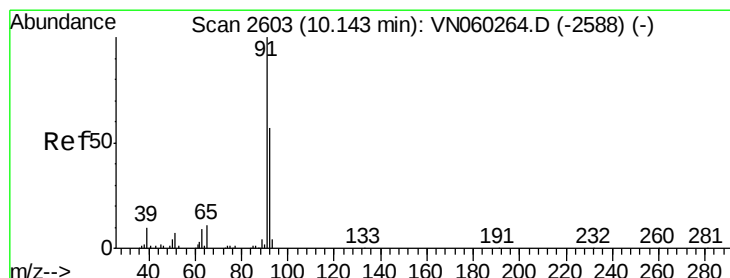
2000

0

9.90 9.95 10.00



Time-->



#52

Toluene

Concen: 0.738 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060323.D

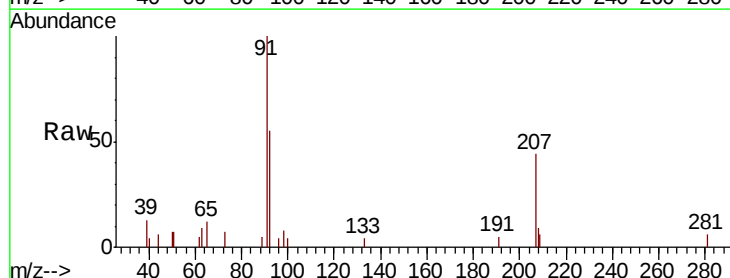
Acq: 3 Mar 2020 12:48

Tgt Ion: 92 Resp: 4073

Ion Ratio Lower Upper

92 100

91 186.6 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

4000

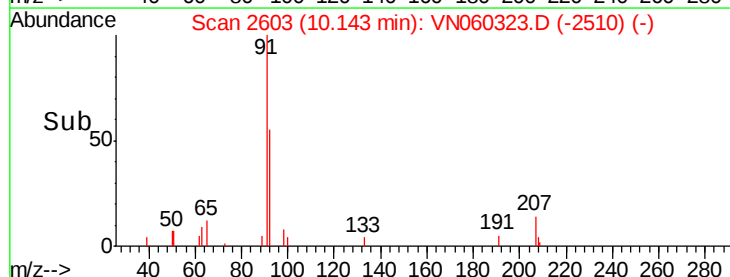
3000

2000

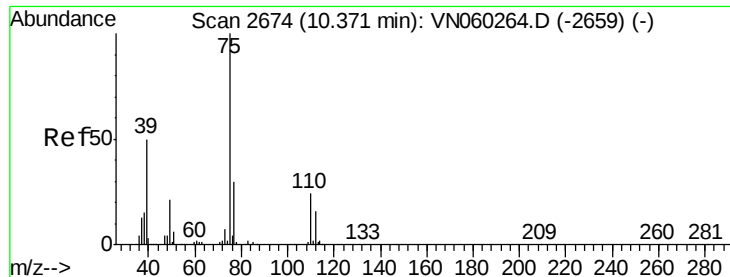
1000

0

10.10 10.15 10.20



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.763 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

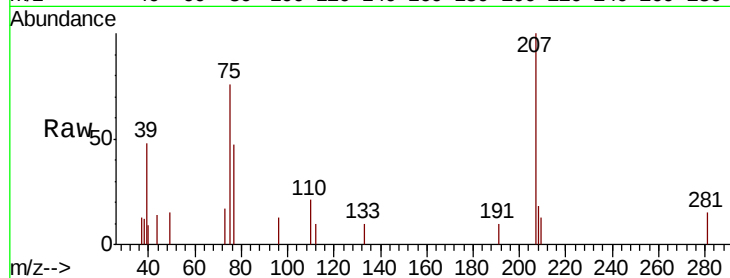
ClientSampleId :

Tot Ion: 75 Resp: 2834

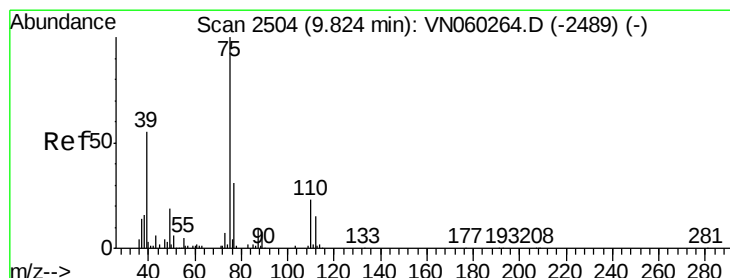
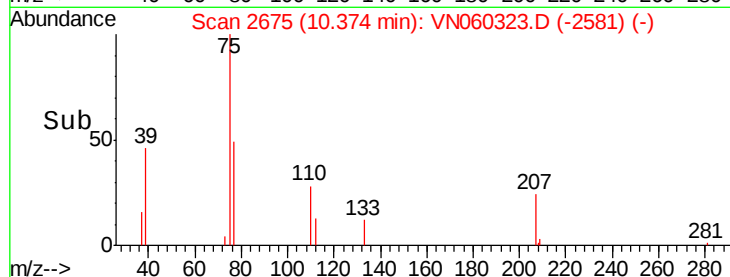
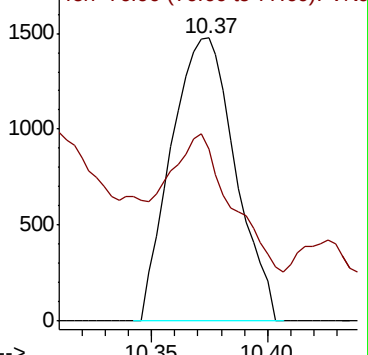
Ion Ratio Lower Upper

75 100

77 43.5 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060323.D (-2581) (-)



#54

cis-1,3-Dichloropropene

Concen: 0.778 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

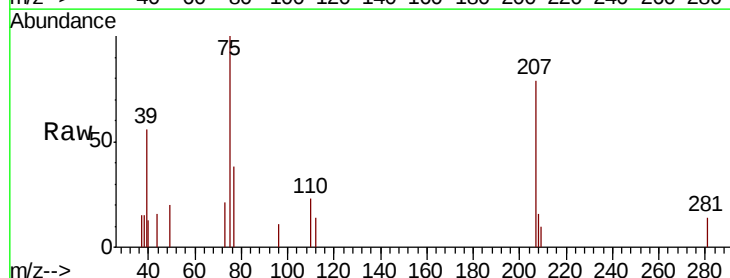
Tgt Ion: 75 Resp: 2992

Ion Ratio Lower Upper

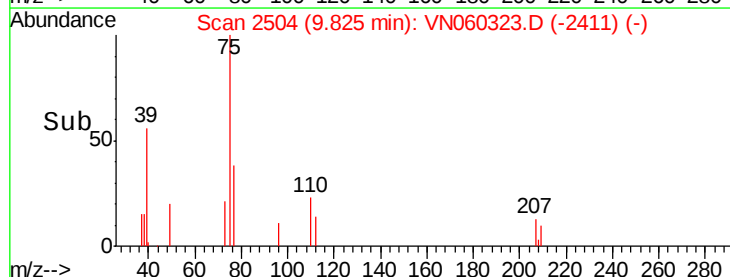
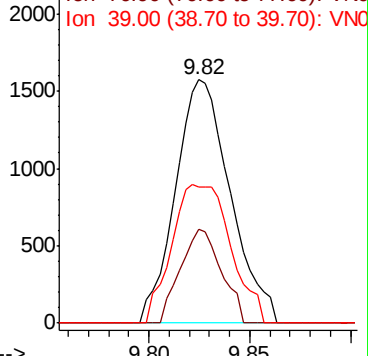
75 100

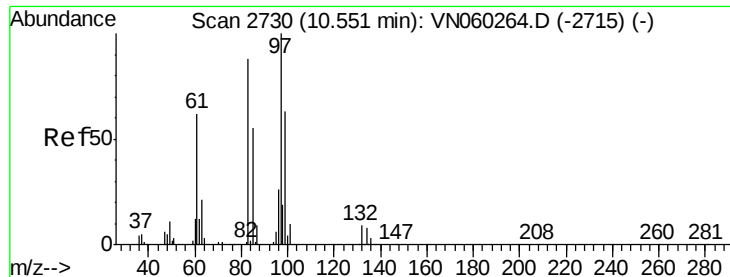
77 38.5 24.8 37.2#

39 55.9 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN060323.D (-2411) (-)

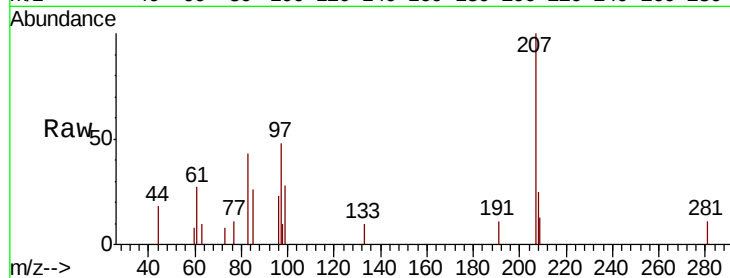




#55
 1,1,2-Trichloroethane
 Concen: 0.835 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	1853
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.0	105.0
85	54.4	44.0	66.0
99	58.3	50.4	75.6



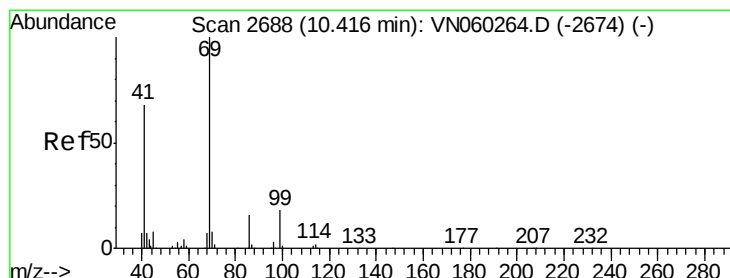
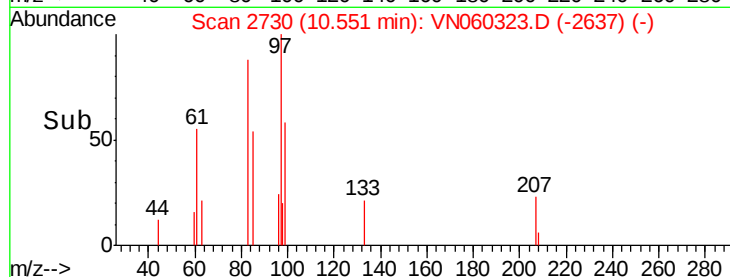
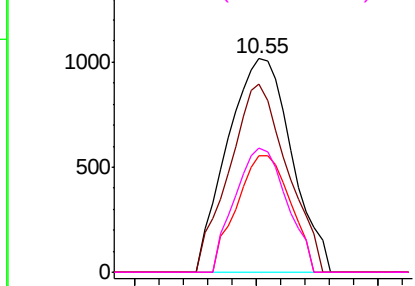
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

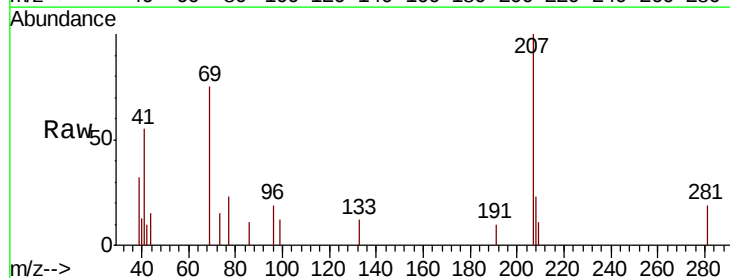
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 0.632 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion:	69	Resp:	2015
Ion	Ratio	Lower	Upper
69	100		
41	84.2	54.1	81.1#
39	59.5	32.5	48.7#

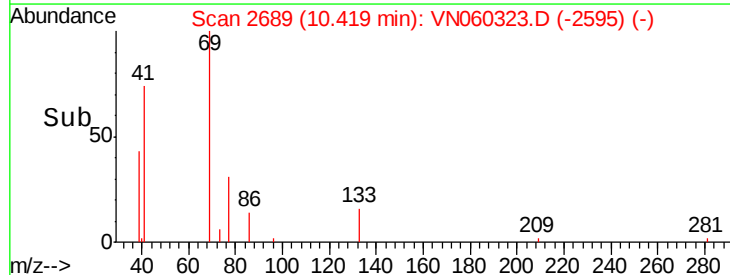
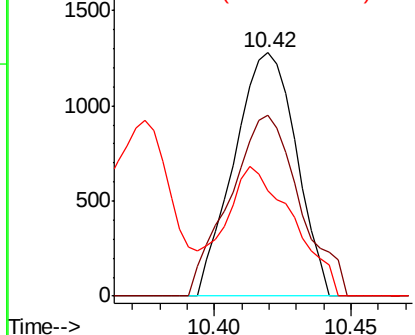


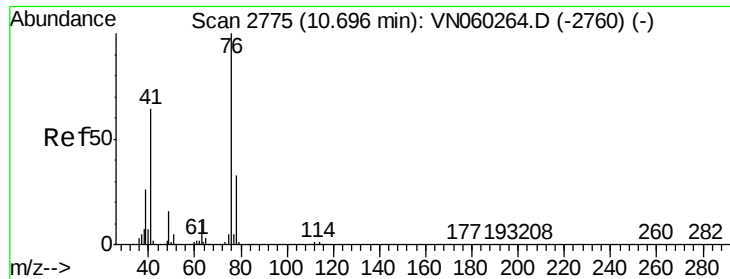
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

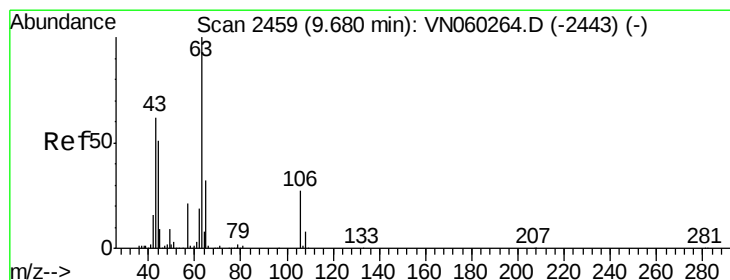
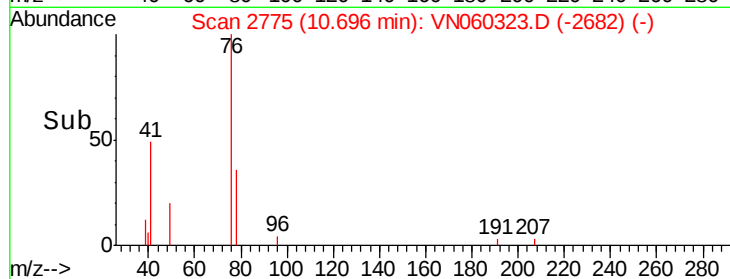
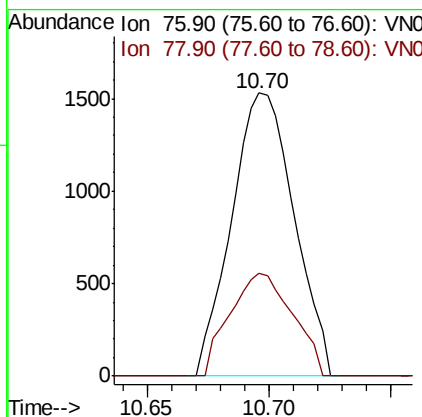
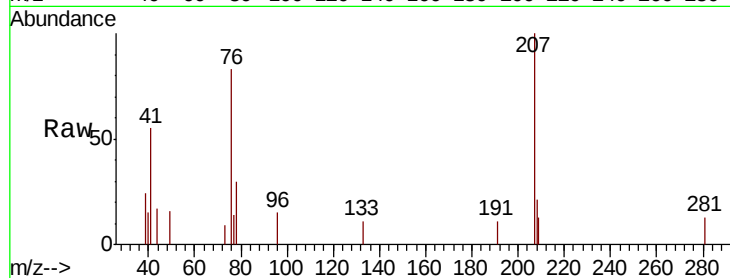




#57
 1,3-Dichloropropane
 Concen: 0.751 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

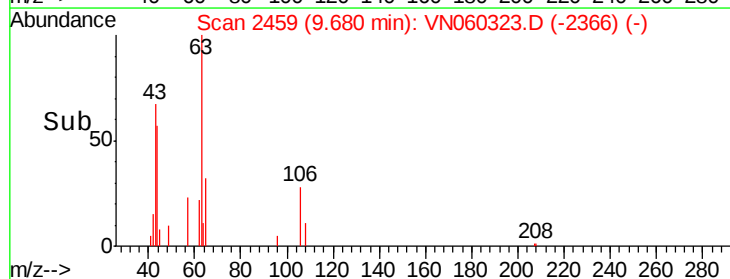
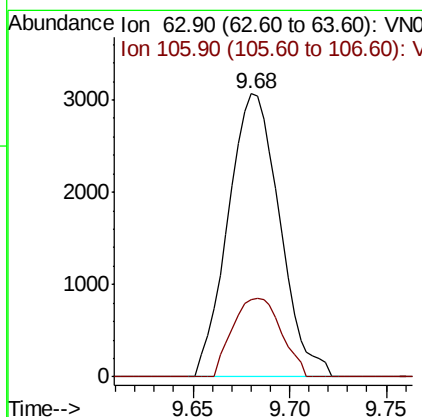
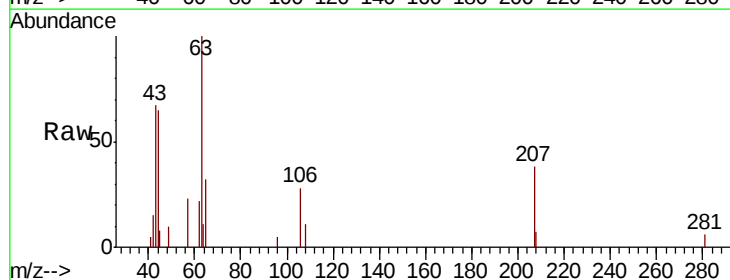
Instrument :
 MSVOA_N
 ClientSampled :

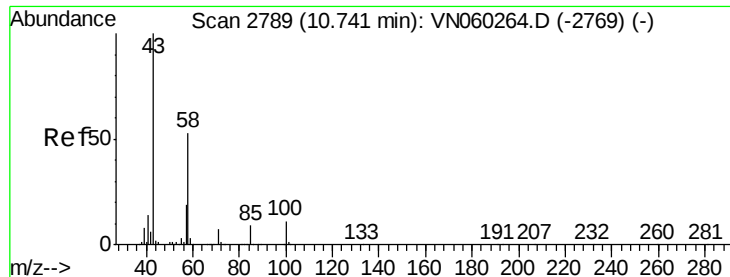
Tot Ion: 76 Resp: 2717
 Ion Ratio Lower Upper
 76 100
 78 36.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 3.408 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion: 63 Resp: 5681
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.1 31.7

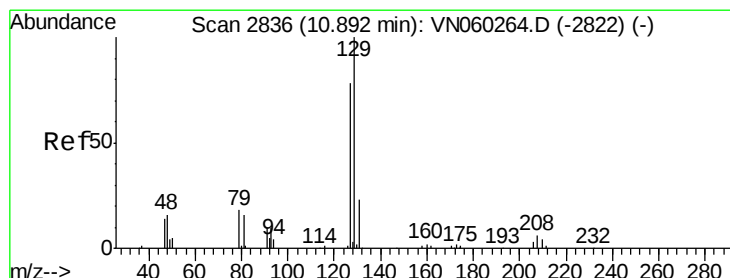
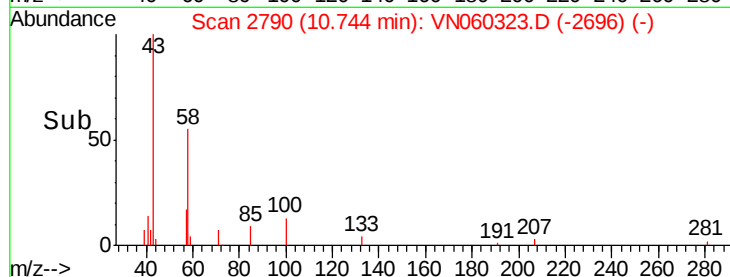
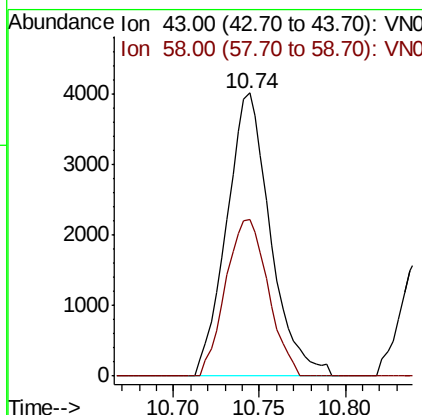
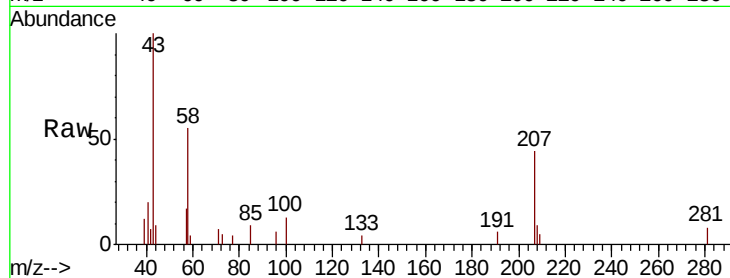




#59
2-Hexanone
Concen: 3.421 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

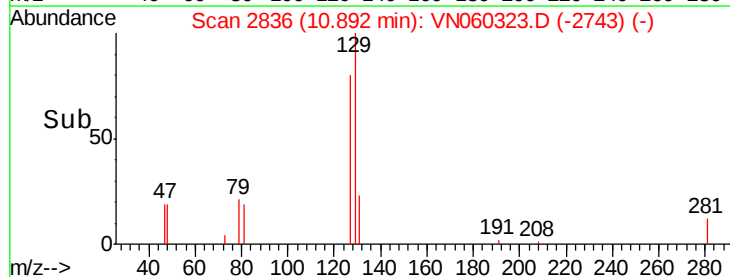
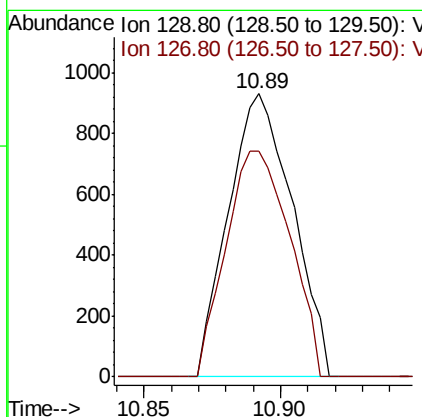
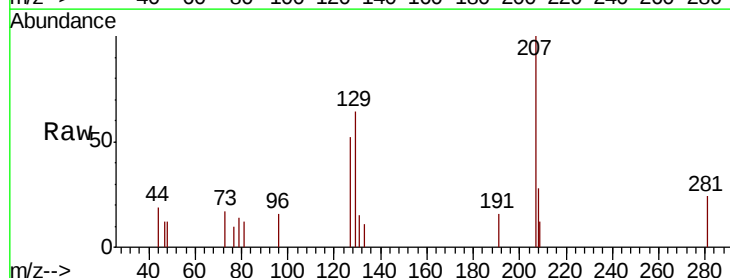
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 7123
Ion Ratio Lower Upper
43 100
58 53.4 26.5 79.5



#60
Dibromochloromethane
Concen: 0.672 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 129 Resp: 1517
Ion Ratio Lower Upper
129 100
127 79.7 38.9 116.7

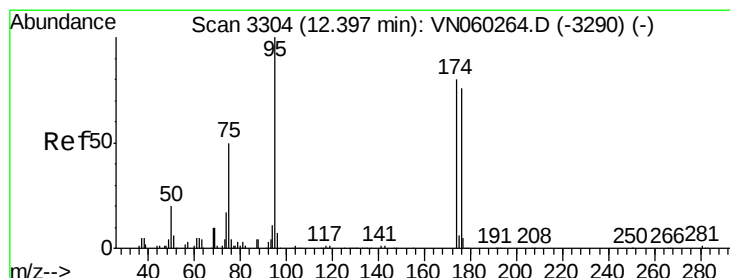
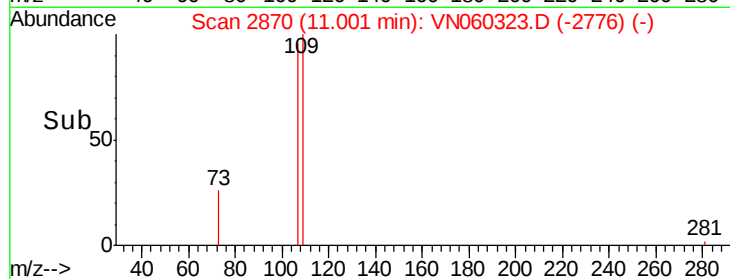
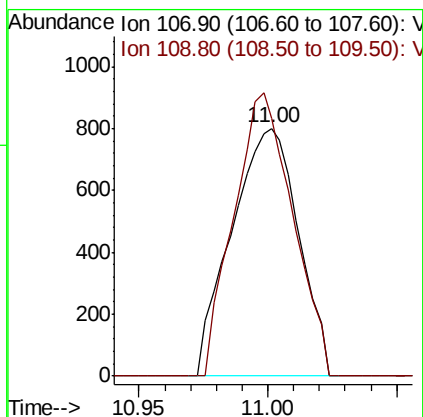
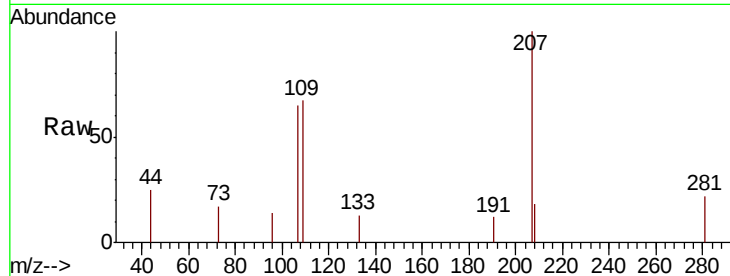




#61
 1,2-Dibromoethane
 Concen: 0.669 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

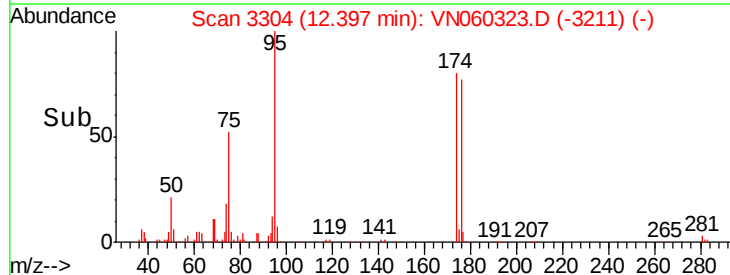
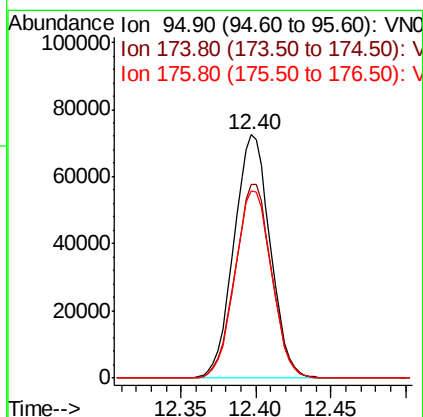
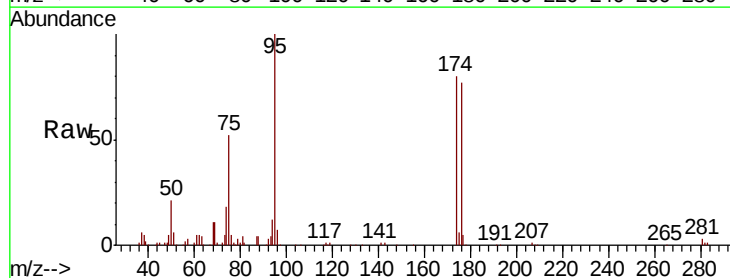
Instrument :
 MSVOA_N
 ClientSampleId :

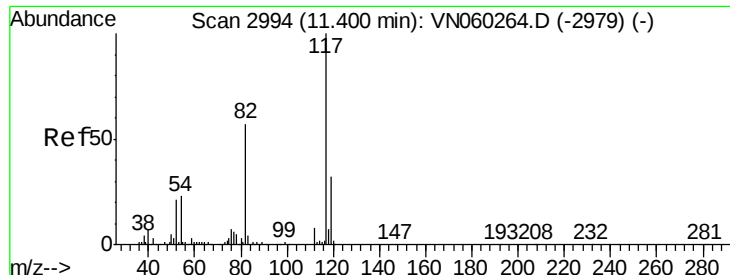
Tot Ion:107 Resp: 1446
 Ion Ratio Lower Upper
 107 100
 109 100.8 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 43.325 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion: 95 Resp: 122138
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 159.2
 176 78.2 0.0 153.8

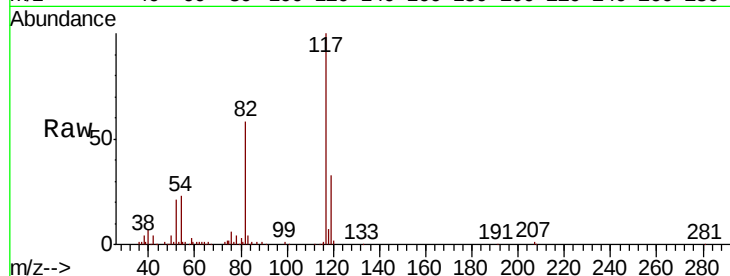




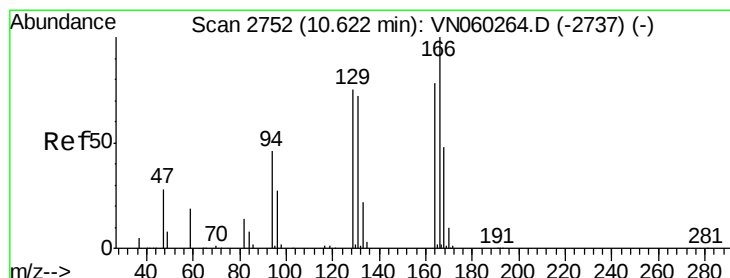
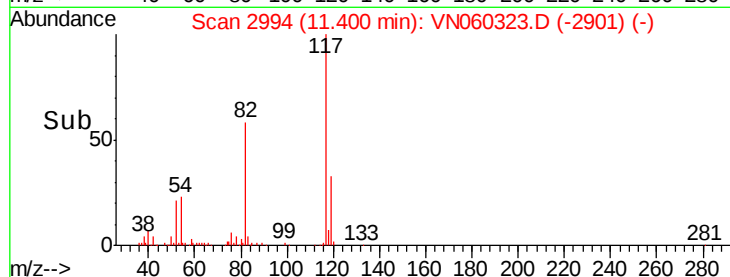
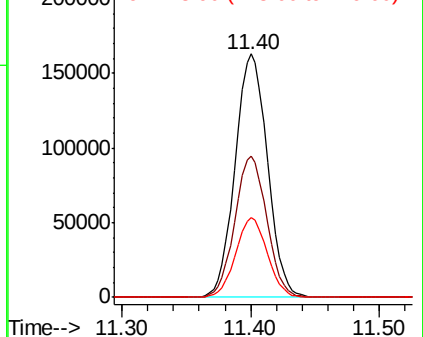
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 283814
Ion Ratio Lower Upper
117 100
82 58.2 45.8 68.6
119 32.6 25.8 38.8

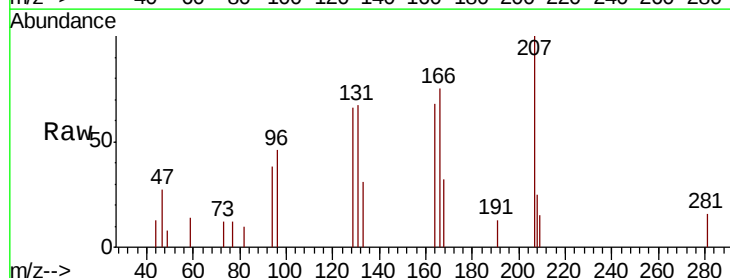


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

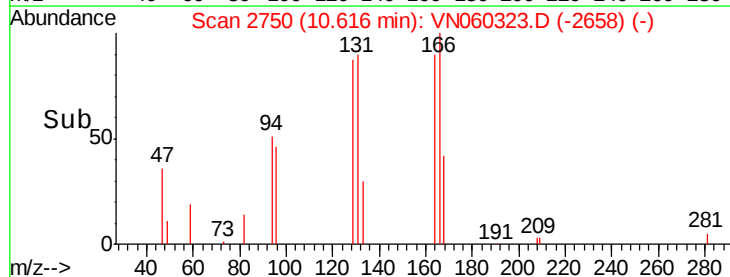
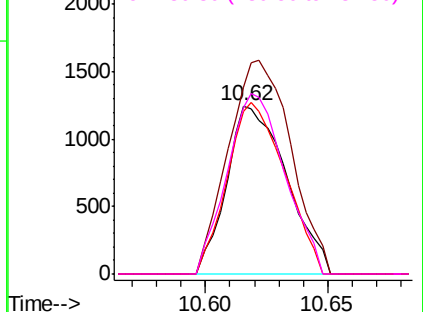


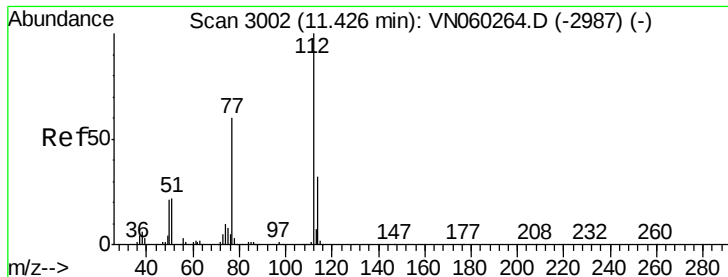
#64
Tetrachloroethene
Concen: 0.844 ug/l
RT: 10.62 min Scan# 2750
Delta R.T. -0.01 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion:164 Resp: 2129
Ion Ratio Lower Upper
164 100
166 111.0 102.0 153.0
129 97.1 76.4 114.6
131 99.4 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

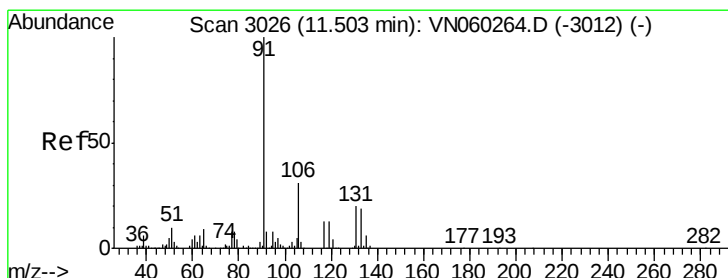
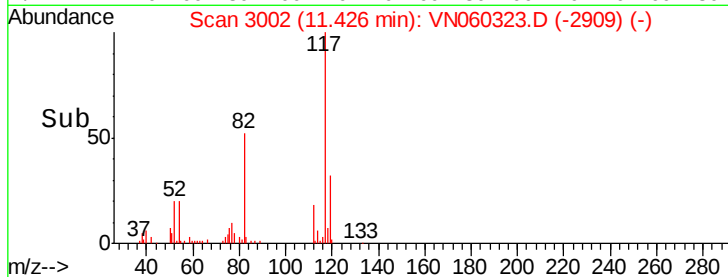
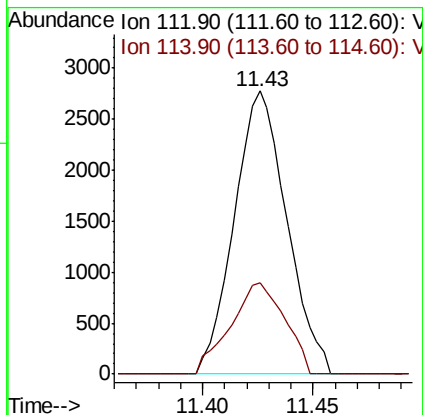
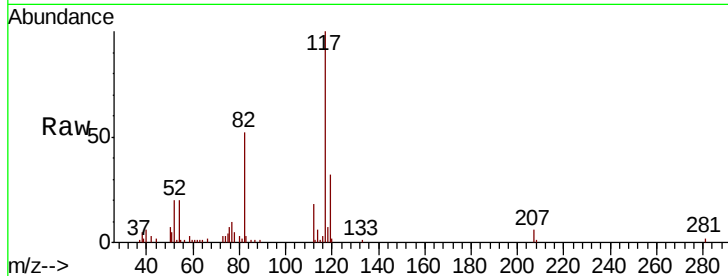




#65
Chlorobenzene
Concen: 0.799 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

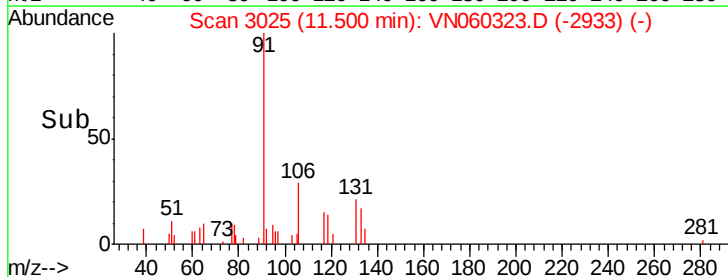
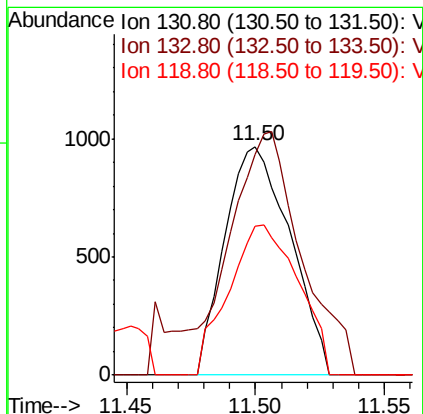
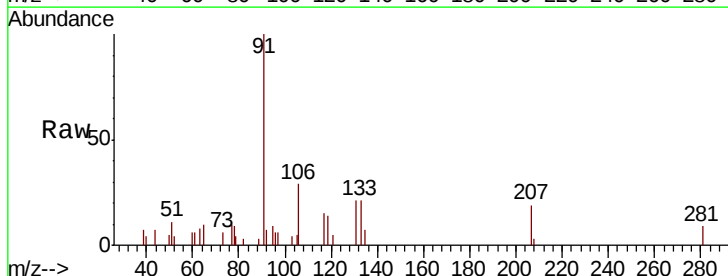
Instrument :
MSVOA_N
ClientSampleId :

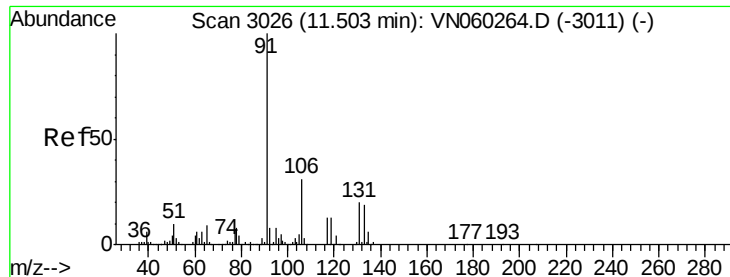
Tot Ion:112 Resp: 4581
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 0.807 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion:131 Resp: 1709
Ion Ratio Lower Upper
131 100
133 116.7 47.7 143.1
119 0.0 33.2 99.6#

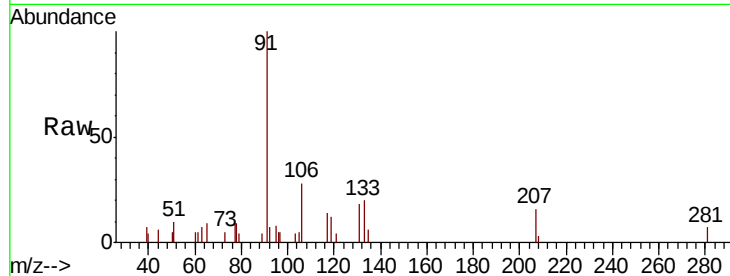




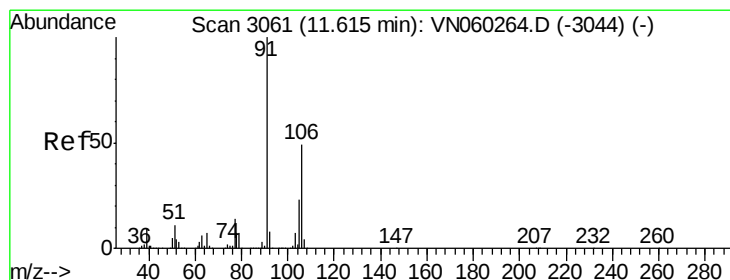
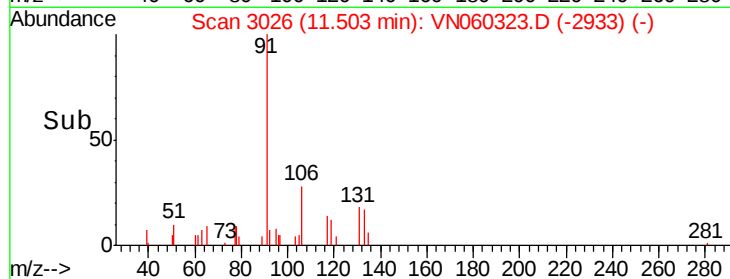
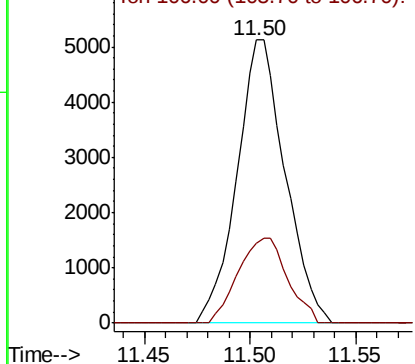
#67
Ethyl Benzene
Concen: 0.777 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 8108
Ion Ratio Lower Upper
91 100
106 28.3 24.7 37.1

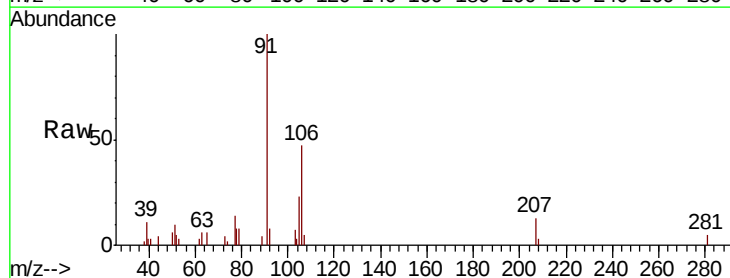


Abundance Ion 91.00 (90.70 to 91.70): VN060323.D (-2933) (-)
Ion 106.00 (105.70 to 106.70): VN060323.D (-2933) (-)

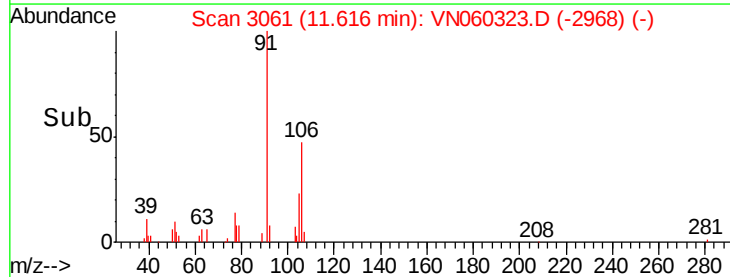
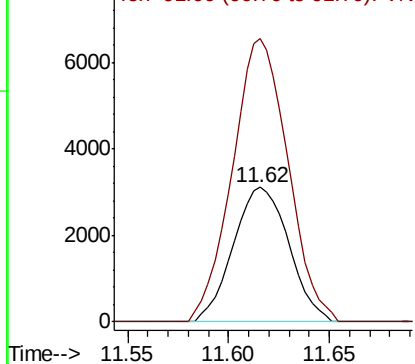


#68
m/p-Xylenes
Concen: 1.523 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 106 Resp: 5995
Ion Ratio Lower Upper
106 100
91 210.0 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060323.D (-2968) (-)
Ion 91.00 (90.70 to 91.70): VN060323.D (-2968) (-)

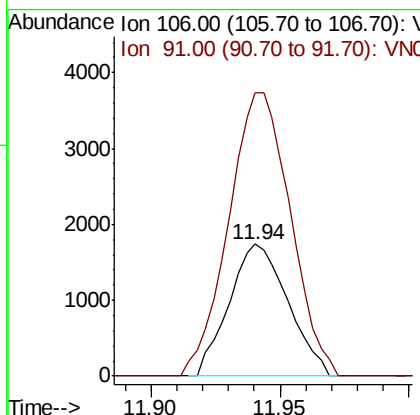
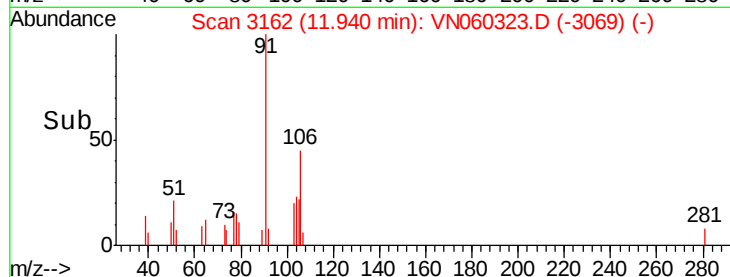
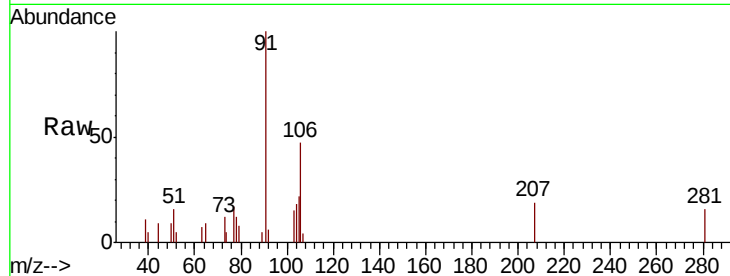




#69
o-Xylene
Concen: 0.737 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

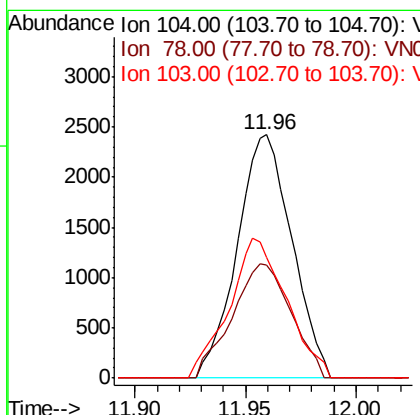
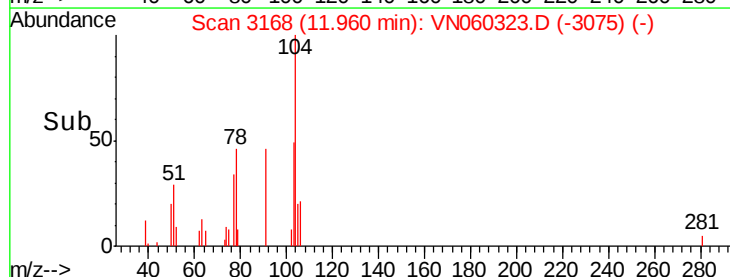
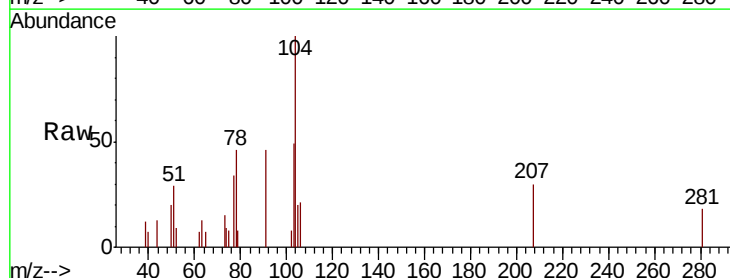
Instrument :
MSVOA_N
ClientSampleId :

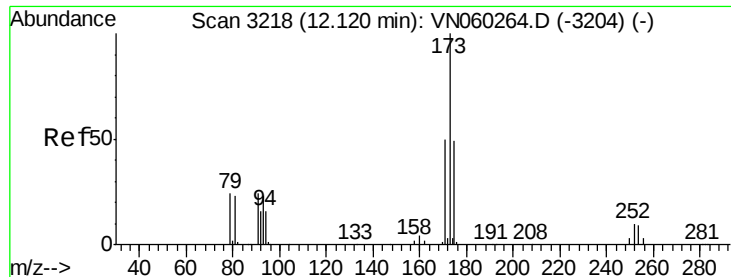
Tot Ion:106 Resp: 2768
Ion Ratio Lower Upper
106 100
91 225.6 109.5 328.4



#70
Styrene
Concen: 0.674 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion:104 Resp: 4163
Ion Ratio Lower Upper
104 100
78 50.6 41.2 61.8
103 60.3 43.9 65.9





#71

Bromoform

Concen: 0.519 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

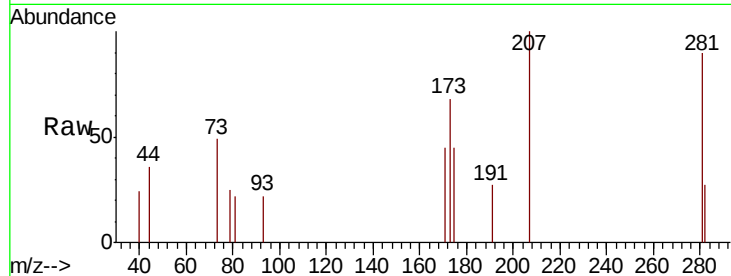
Tot Ion:173 Resp: 793

Ion Ratio Lower Upper

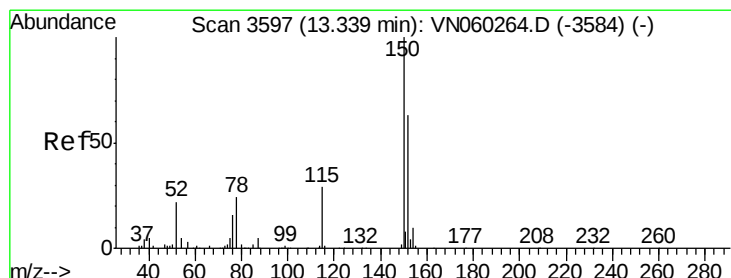
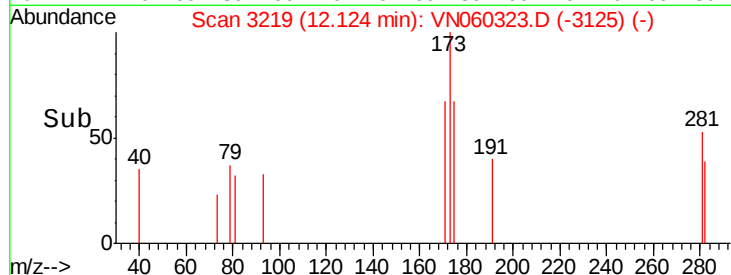
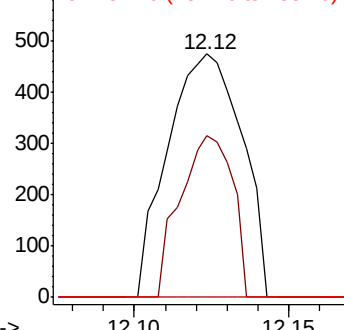
173 100

175 46.8 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: VN060323.D

Acq: 3 Mar 2020 12:48

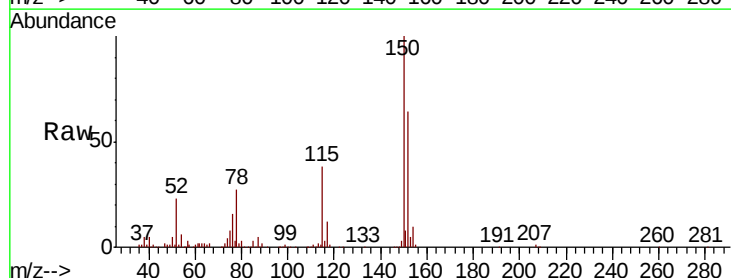
Tgt Ion:152 Resp: 127255

Ion Ratio Lower Upper

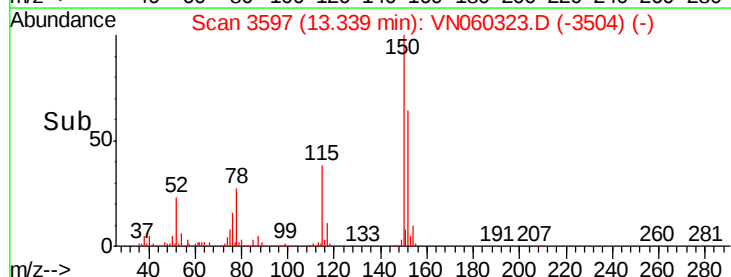
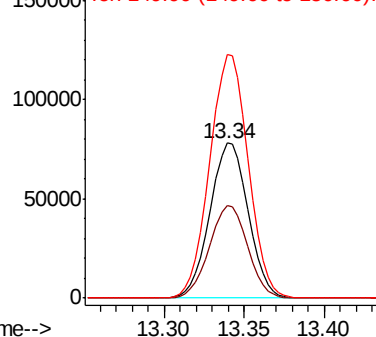
152 100

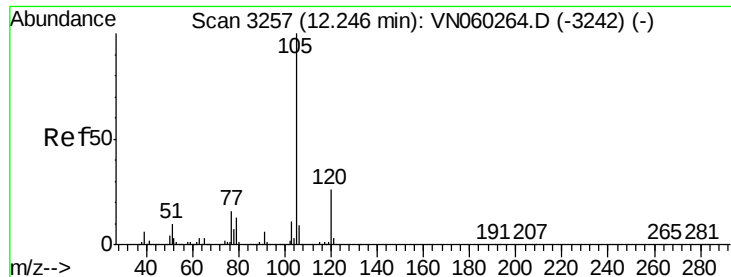
115 59.7 30.0 90.0

150 158.5 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: 0.837 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

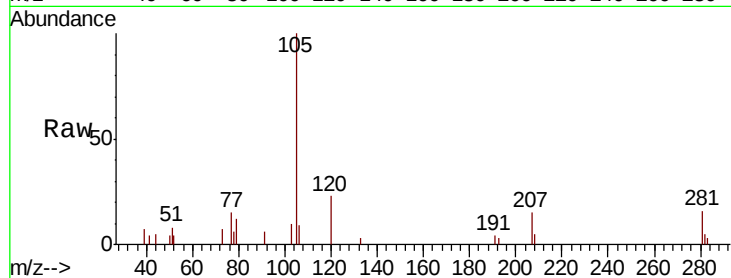
ClientSampleId :

Tot Ion: 105 Resp: 7898

Ion Ratio Lower Upper

105 100

120 23.3 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

6000

5000

4000

3000

2000

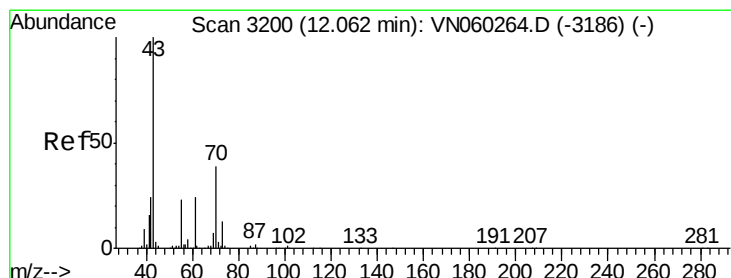
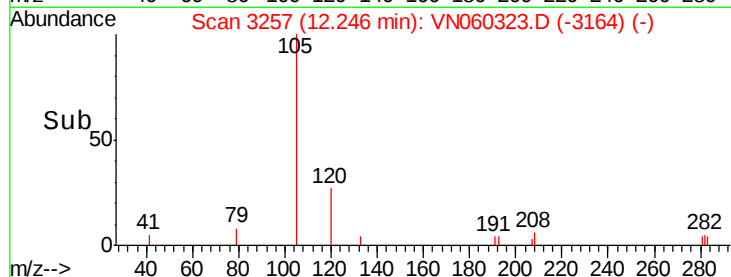
1000

0

12.20

12.25

Time-->



#74

N-ethyl acetate

Concen: 0.817 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion: 43 Resp: 3369

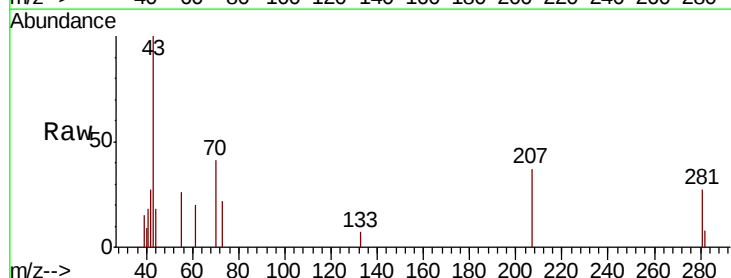
Ion Ratio Lower Upper

43 100

70 35.1 32.2 48.2

55 20.2 18.2 27.4

61 20.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

3000

2500

2000

1500

1000

500

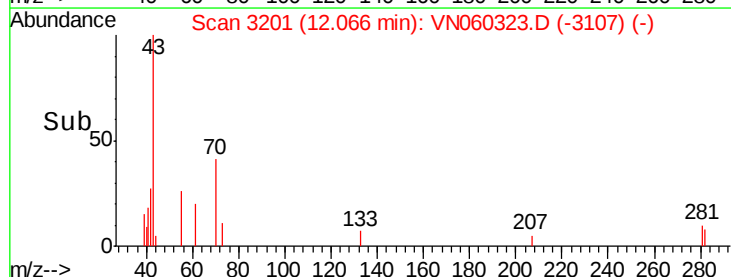
0

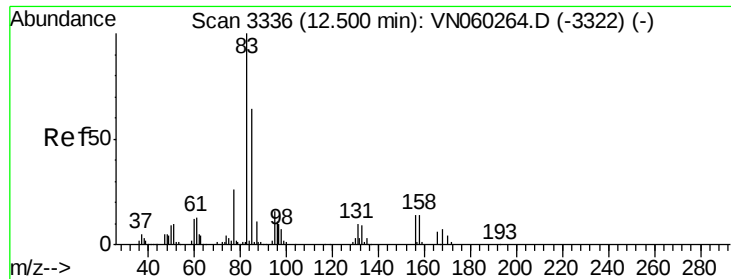
12.00

12.05

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 0.826 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

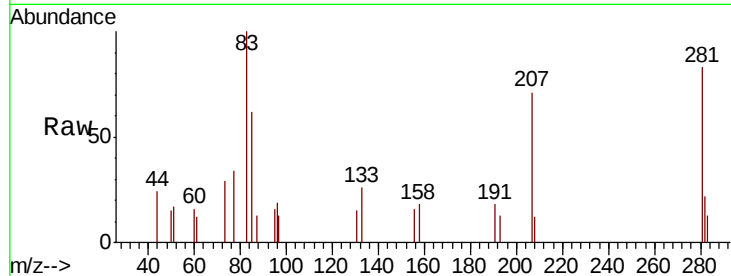
Tot Ion: 83 Resp: 2119

Ion Ratio Lower Upper

83 100

131 4.8 5.1 15.3#

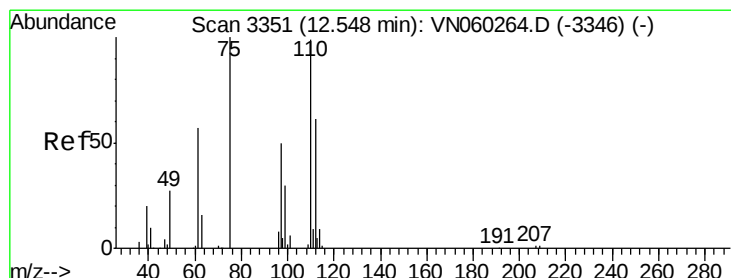
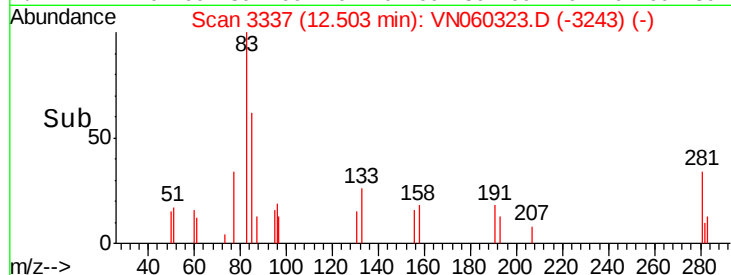
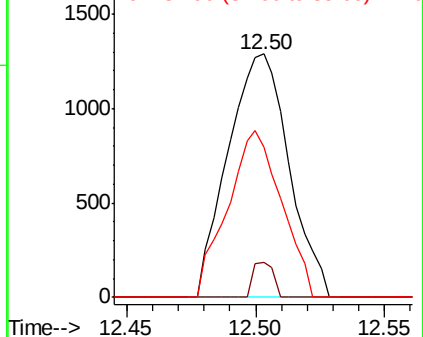
85 60.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.142 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060323.D

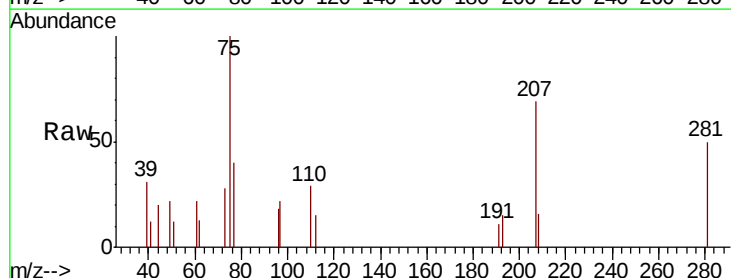
Acq: 3 Mar 2020 12:48

Tgt Ion: 75 Resp: 3188

Ion Ratio Lower Upper

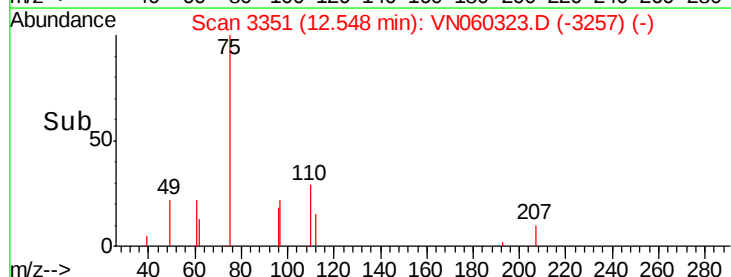
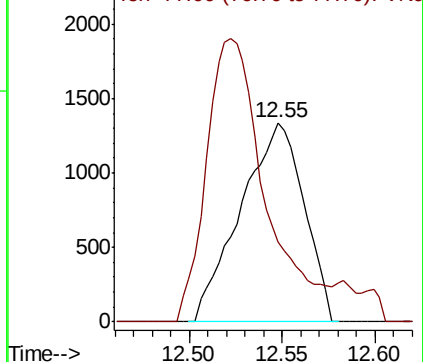
75 100

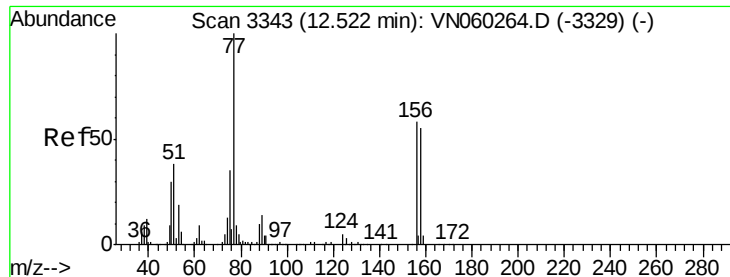
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.792 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

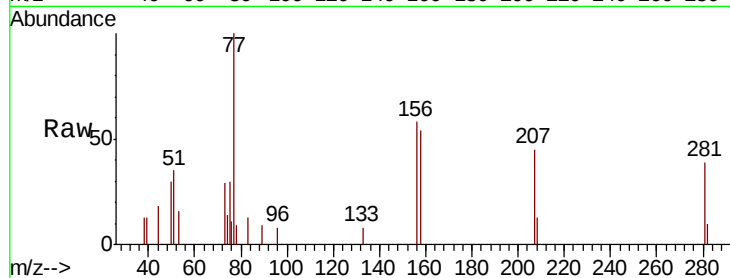
Tot Ion:156 Resp: 1830

Ion Ratio Lower Upper

156 100

77 230.3 106.1 318.3

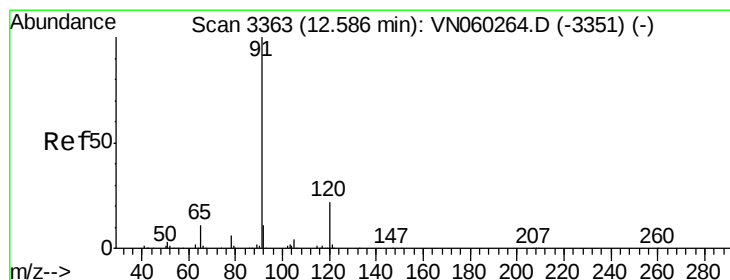
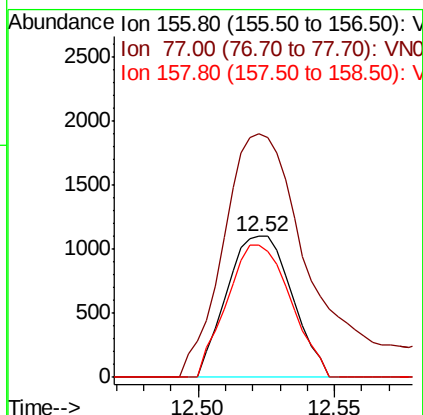
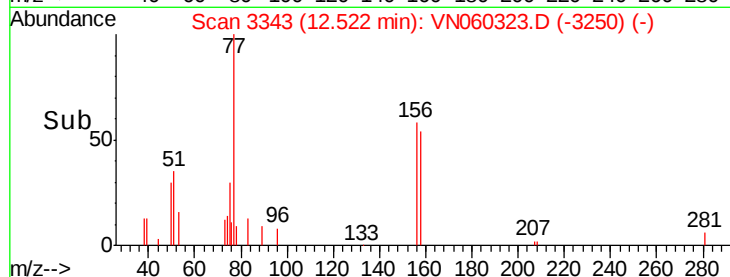
158 91.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.809 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060323.D

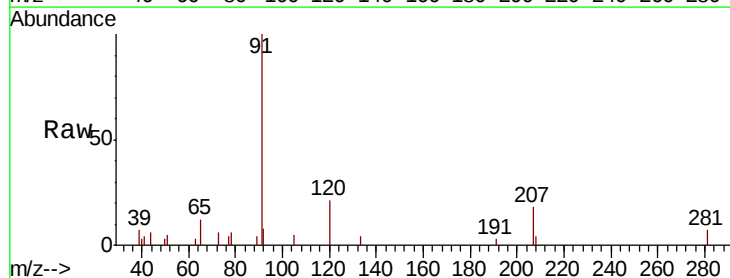
Acq: 3 Mar 2020 12:48

Tgt Ion: 91 Resp: 8941

Ion Ratio Lower Upper

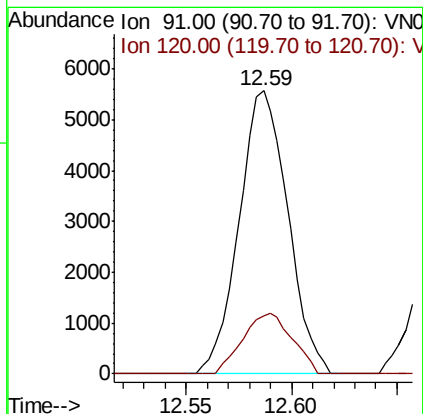
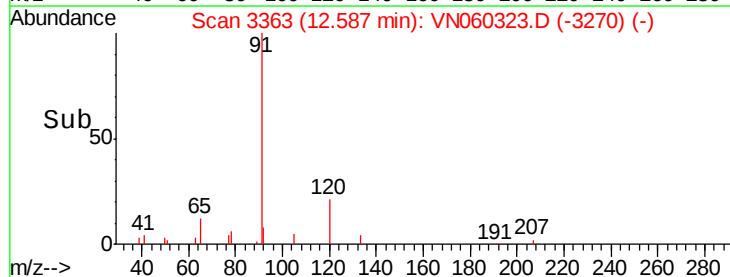
91 100

120 21.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

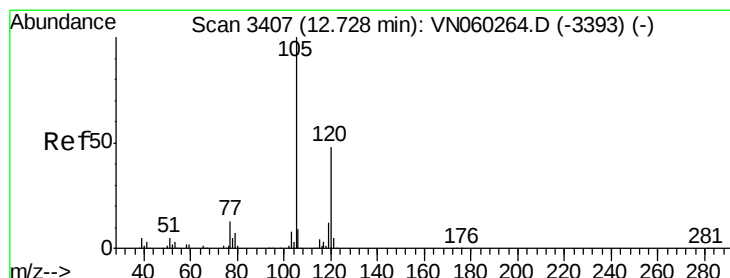
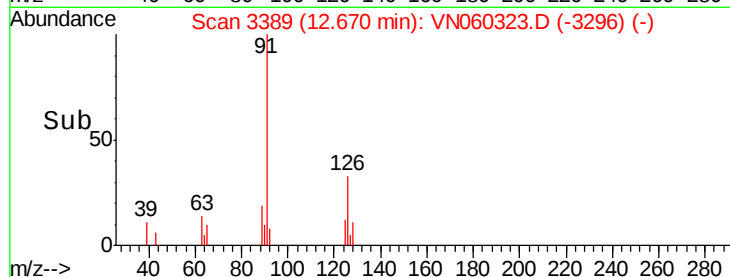
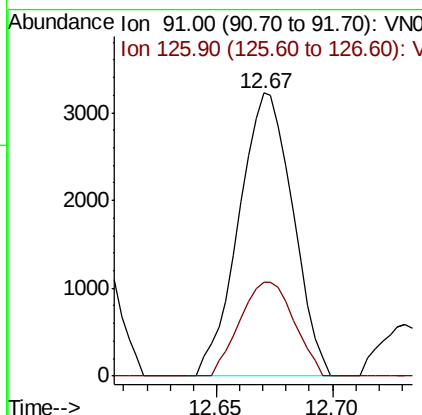
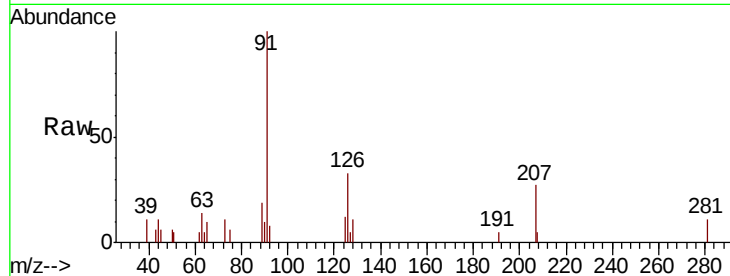




#79
 2-Chlorotoluene
 Concen: 0.805 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

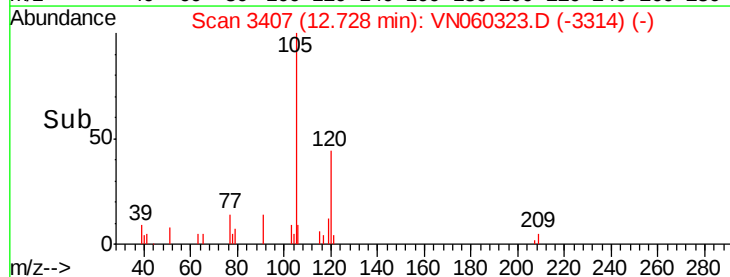
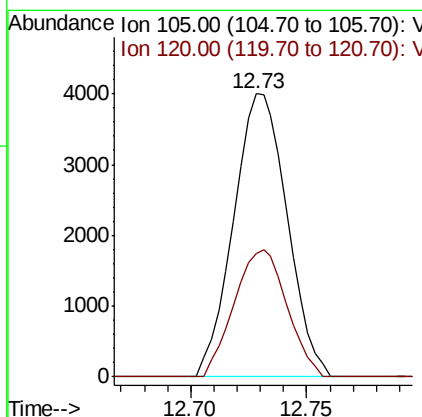
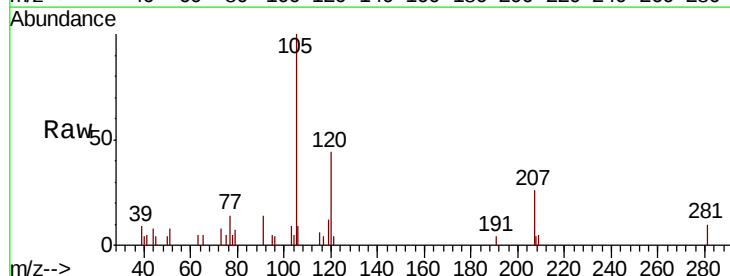
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 5229
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 0.808 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion: 105 Resp: 6417
 Ion Ratio Lower Upper
 105 100
 120 44.1 24.1 72.4

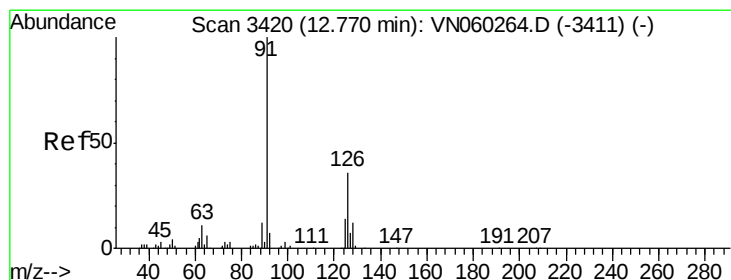
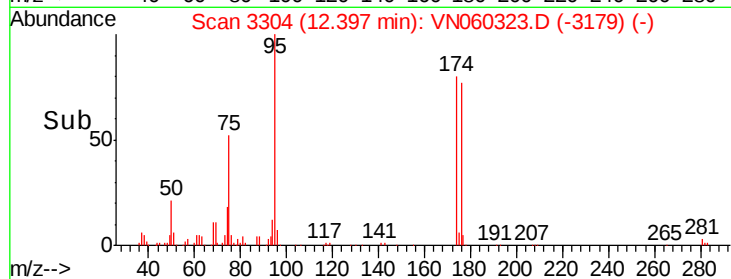
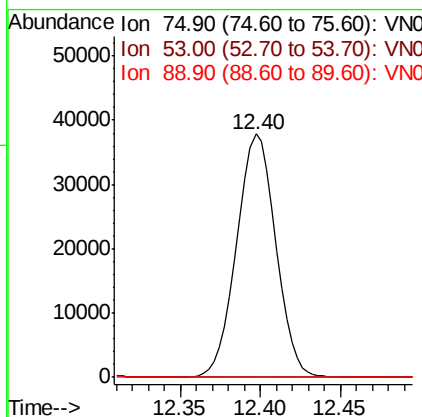
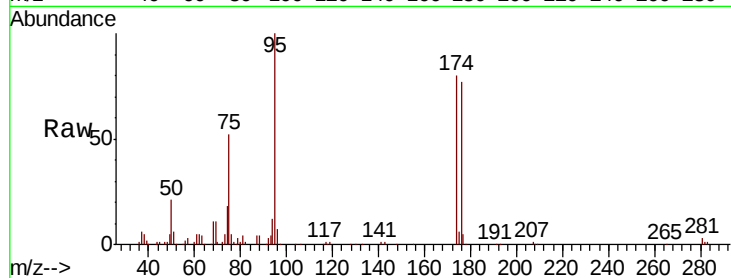




#81
trans-1,4-Dichloro-2-butene
Concen: 62.410 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

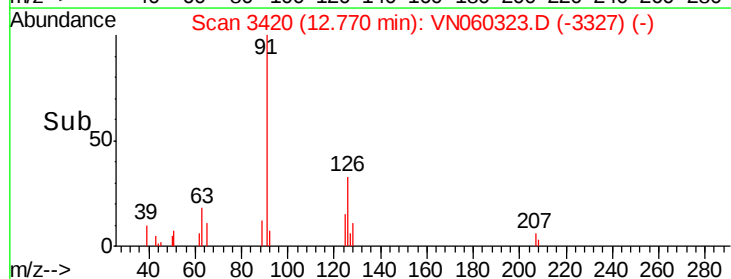
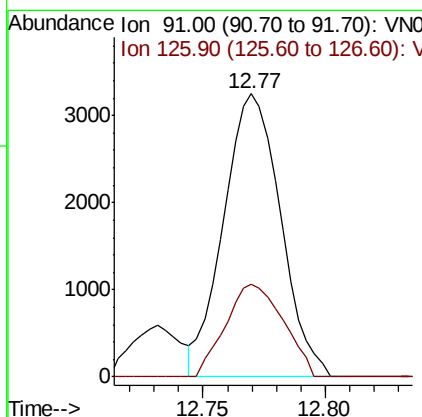
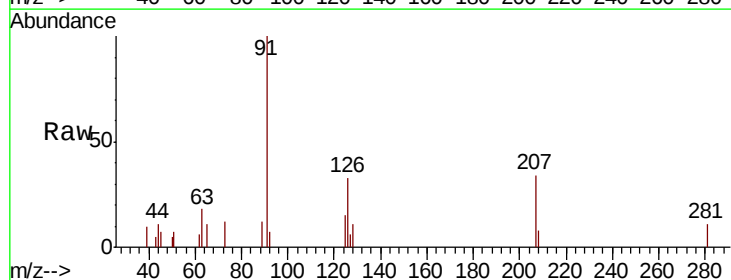
Instrument :
MSVOA_N
ClientSampled :

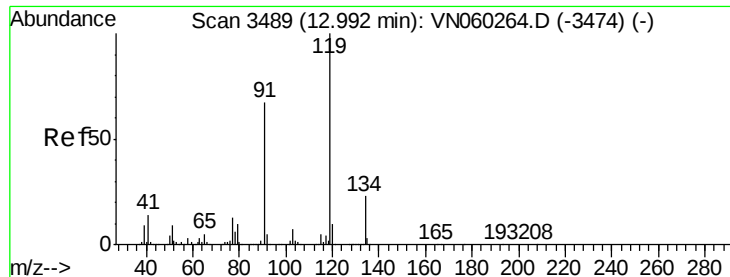
Tot Ion: 75 Resp: 63122
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#82
4-Chlorotoluene
Concen: 0.770 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 91 Resp: 5273
Ion Ratio Lower Upper
91 100
126 33.2 16.7 50.1

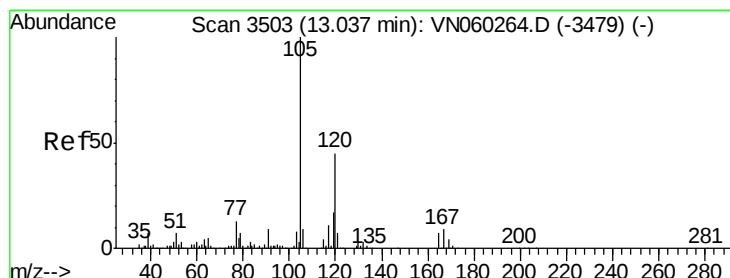
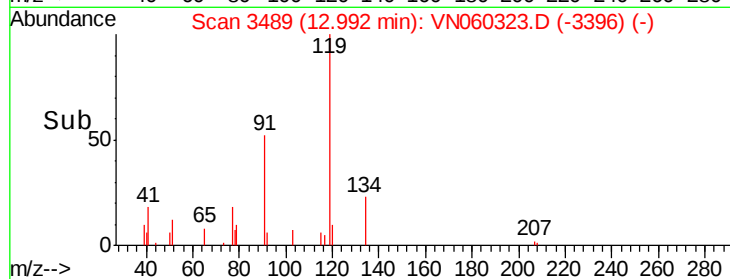
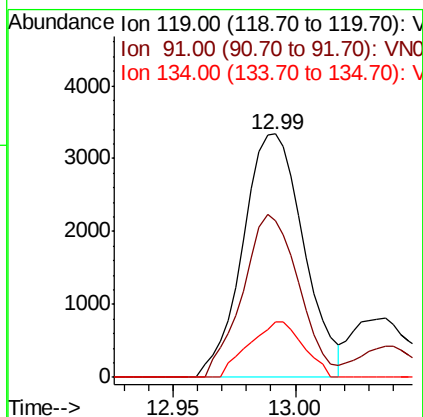
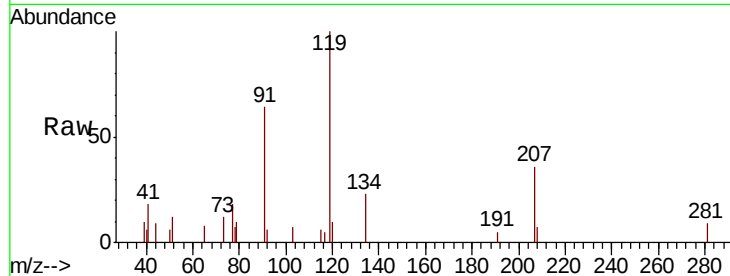




#83
tert-Butylbenzene
Concen: 0.840 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

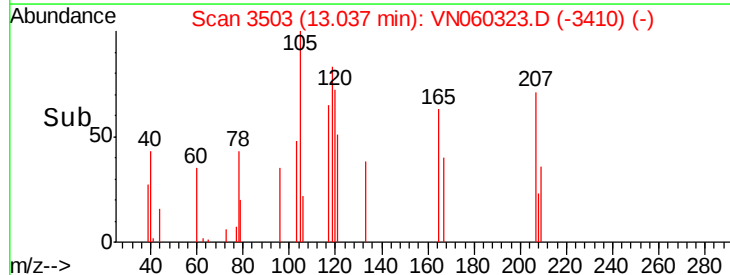
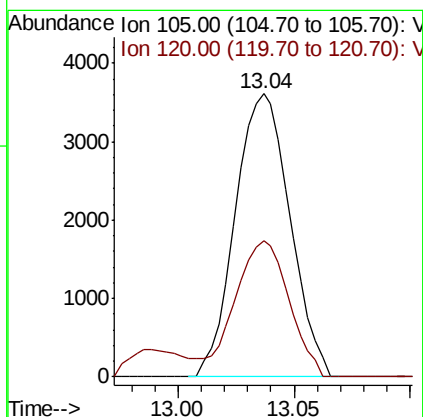
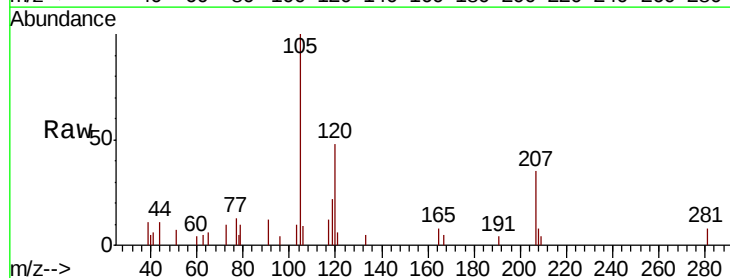
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 5776
Ion Ratio Lower Upper
119 100
91 61.8 33.1 99.2
134 20.4 12.4 37.0



#84
1,2,4-Trimethylbenzene
Concen: 0.738 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion:105 Resp: 5919
Ion Ratio Lower Upper
105 100
120 47.2 22.3 66.9





#85

sec-Butylbenzene

Concen: 0.768 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

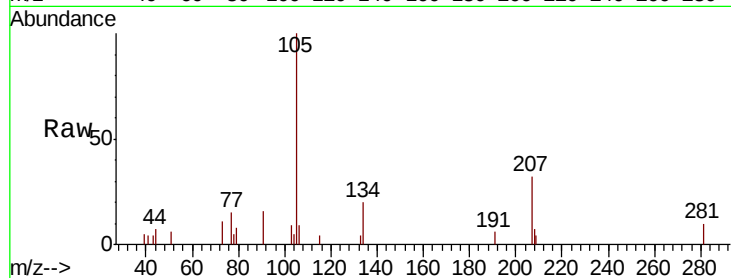
ClientSampleId :

Tot Ion:105 Resp: 7071

Ion Ratio Lower Upper

105 100

134 20.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

4000

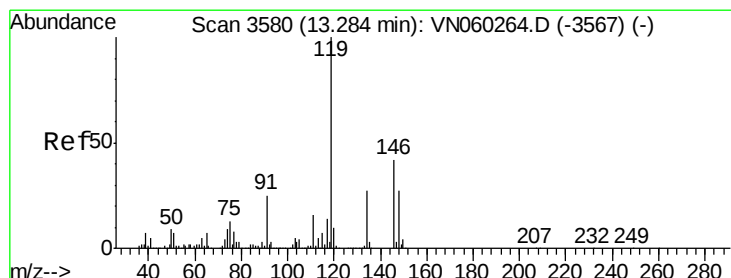
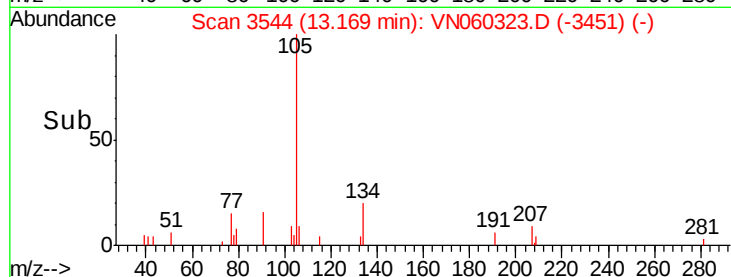
3000

2000

1000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.774 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

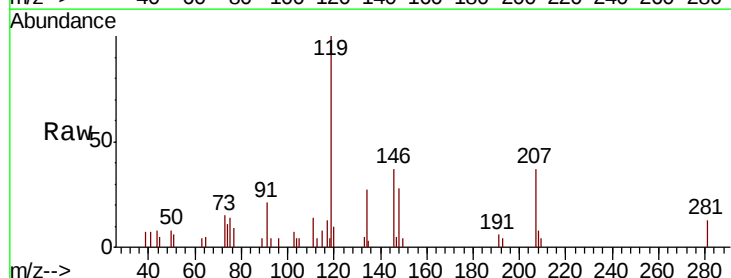
Tgt Ion:119 Resp: 6594

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 24.2 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

6000

5000

4000

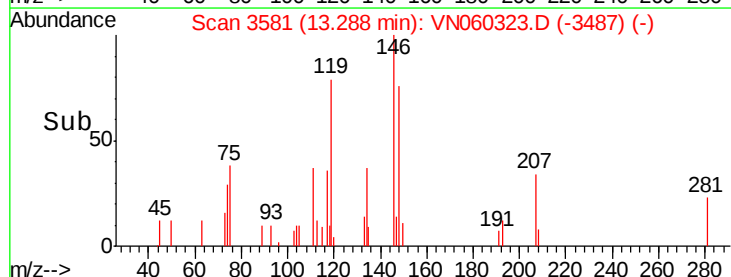
3000

2000

1000

0

Time-->

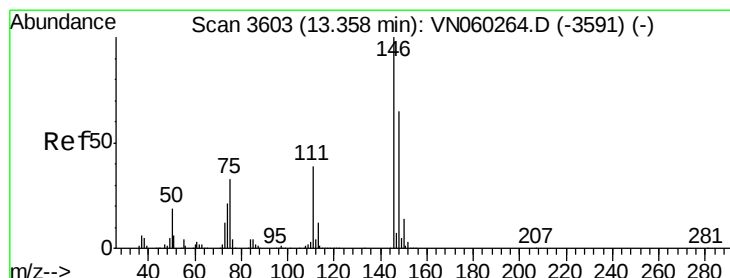
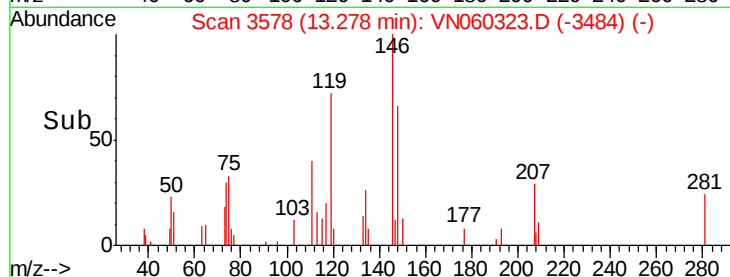
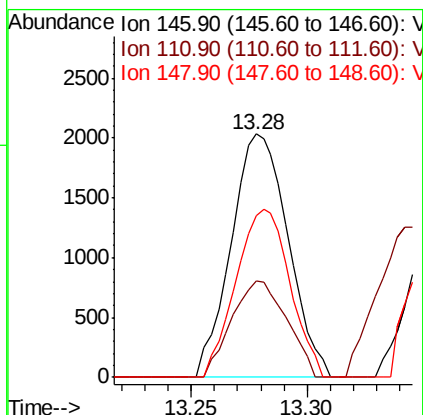
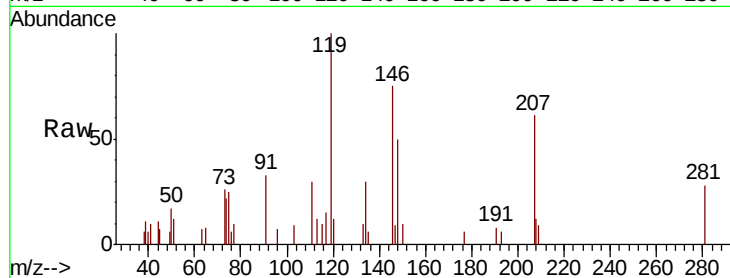




#87
 1,3-Dichlorobenzene
 Concen: 0.796 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

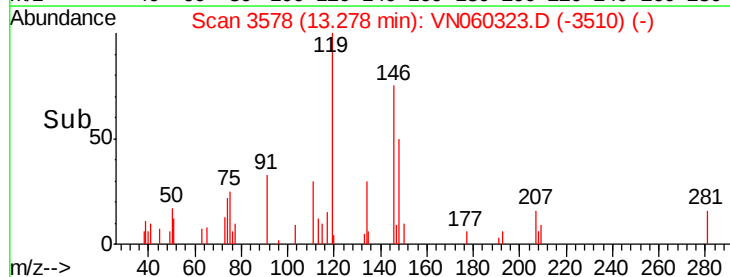
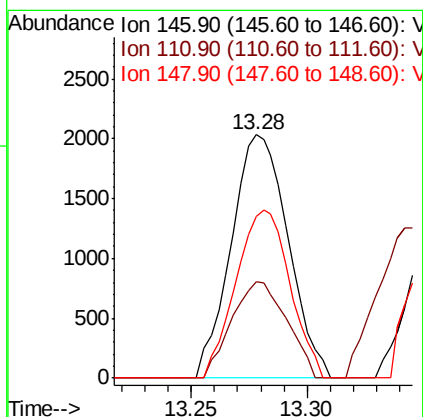
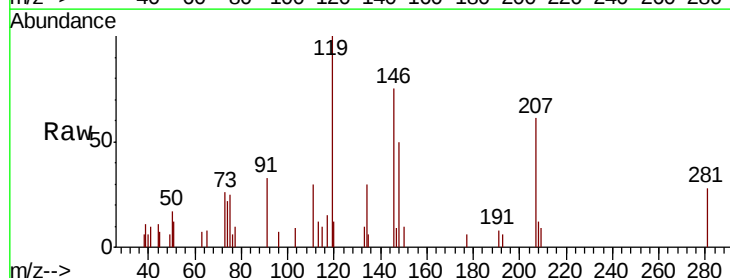
Instrument :
 MSVOA_N
 ClientSampled :

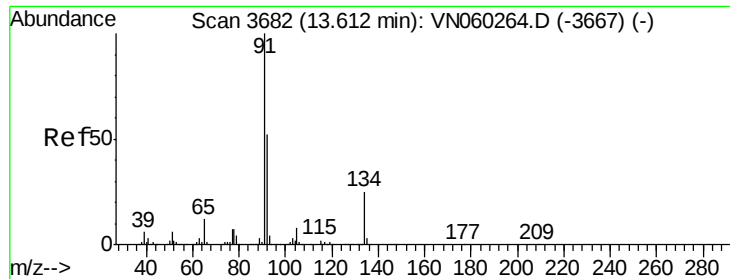
Tot Ion:146 Resp: 3457
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.0 59.9
 148 65.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 0.800 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.08 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion:146 Resp: 3457
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.8 59.4
 148 65.7 32.3 96.9

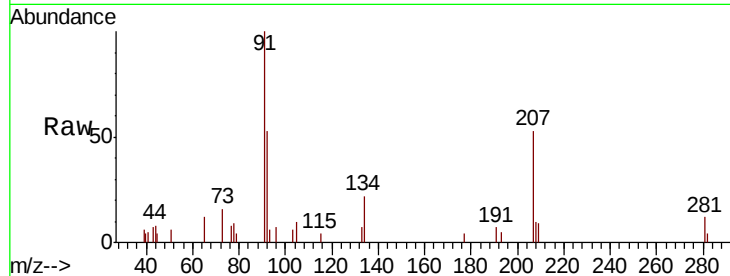




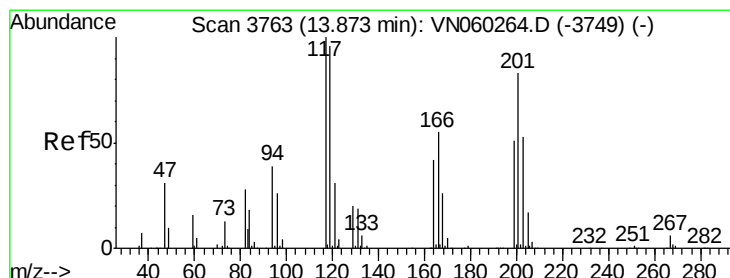
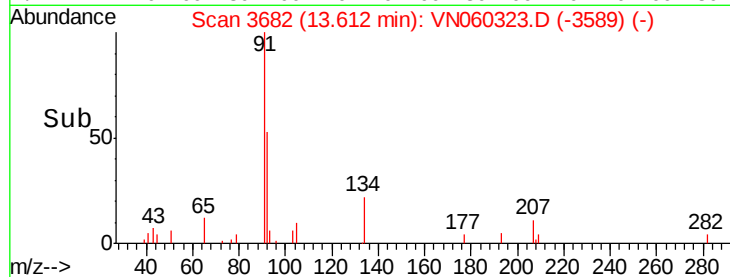
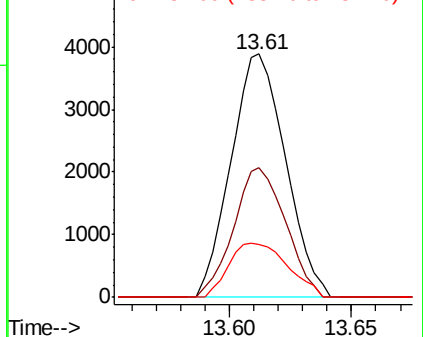
#89
n-Butylbenzene
Concen: 0.769 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 6019
Ion Ratio Lower Upper
91 100
92 50.4 26.0 78.0
134 24.2 12.7 38.1

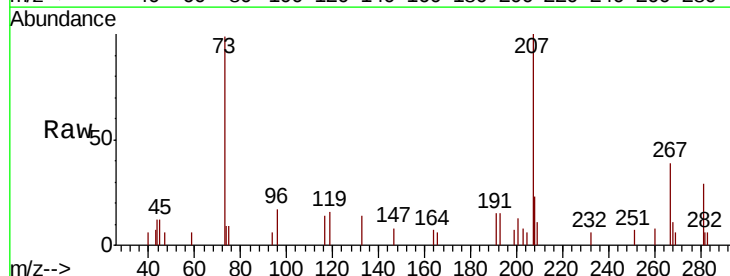


Abundance Ion 91.00 (90.70 to 91.70): VN060323.D (-3589) (-)
Ion 92.00 (91.70 to 92.70): VN060323.D (-3589) (-)
Ion 134.00 (133.70 to 134.70): VN060323.D (-3589) (-)

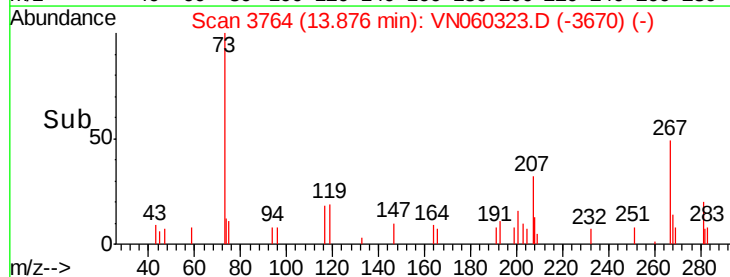
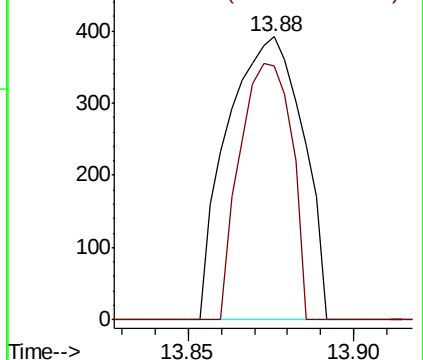


#90
Hexachloroethane
Concen: 0.503 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN060323.D
Acq: 3 Mar 2020 12:48

Tgt Ion: 117 Resp: 620
Ion Ratio Lower Upper
117 100
201 61.8 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060323.D (-3670) (-)
Ion 200.70 (200.40 to 201.40): VN060323.D (-3670) (-)





#91

1,2-Dichlorobenzene

Concen: 0.838 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060323.D

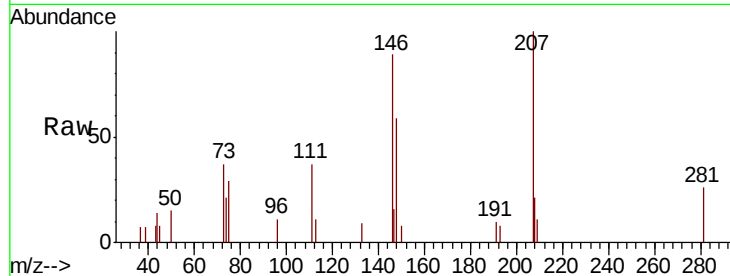
Acq: 3 Mar 2020 12:48

Instrument :

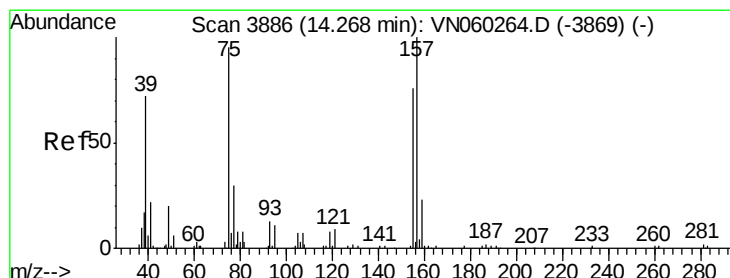
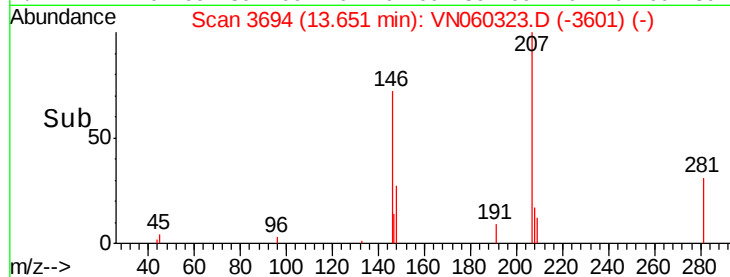
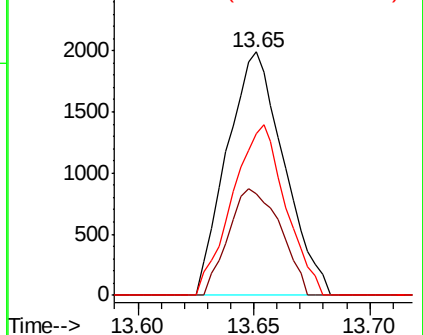
MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	3393
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	61.0
148	65.6	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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.359 ug/l

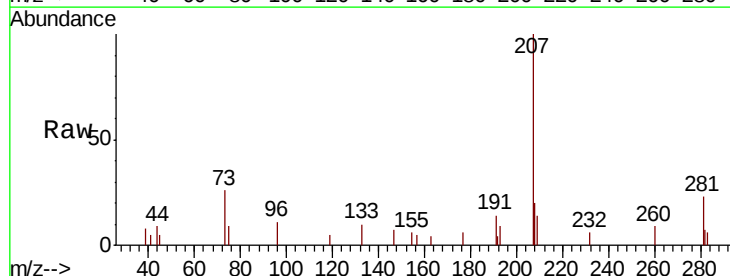
RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

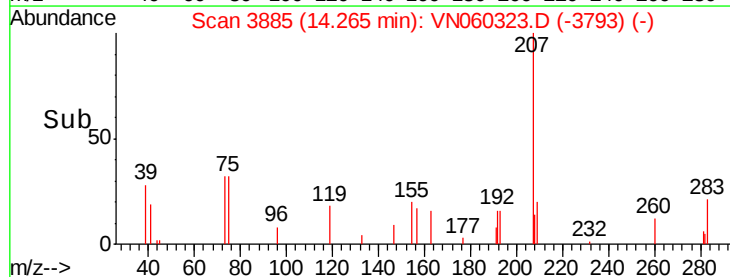
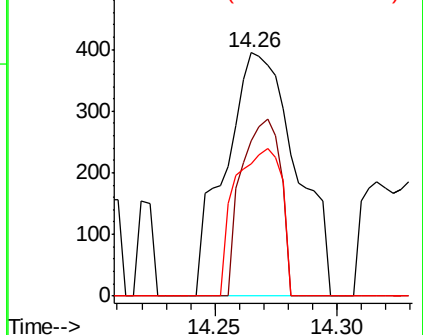
Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Tgt Ion:	75	Resp:	789
Ion	Ratio	Lower	Upper
75	100		
155	40.3	40.4	121.2#
157	40.3	52.5	157.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

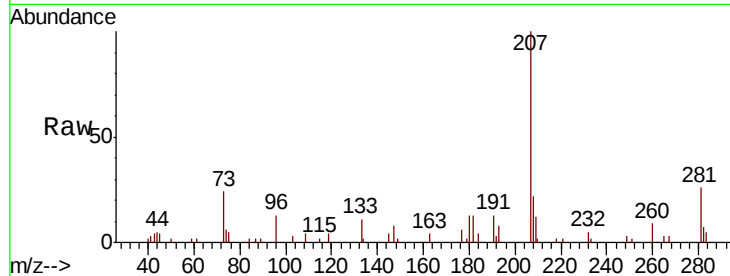




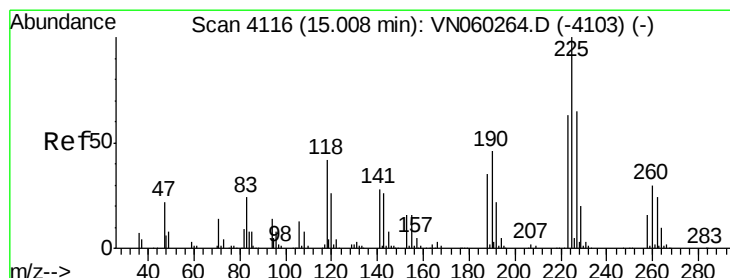
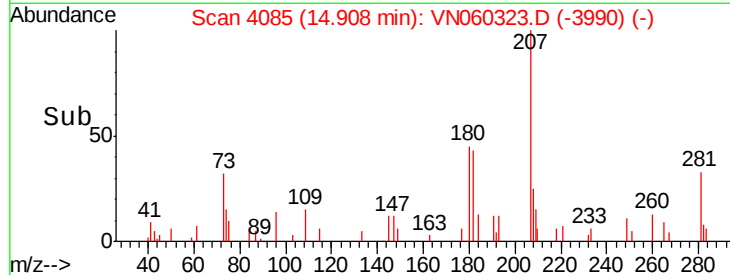
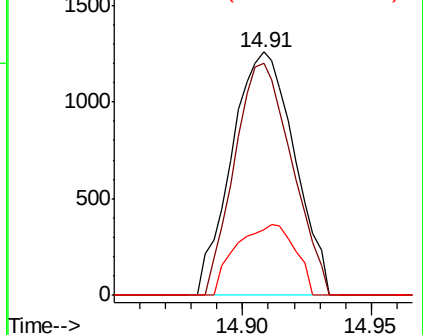
#93
 1,2,4-Trichlorobenzene
 Concen: 0.744 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 2140
 Ion Ratio Lower Upper
 180 100
 182 87.1 47.8 143.3
 145 27.2 15.4 46.1

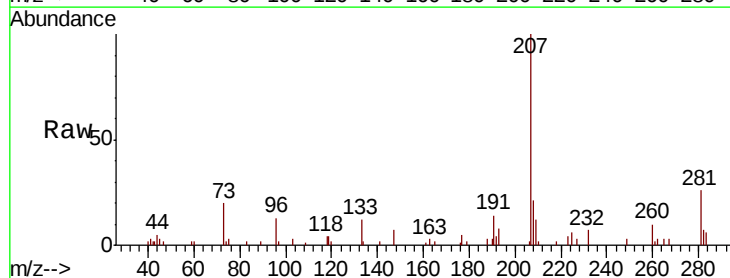


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

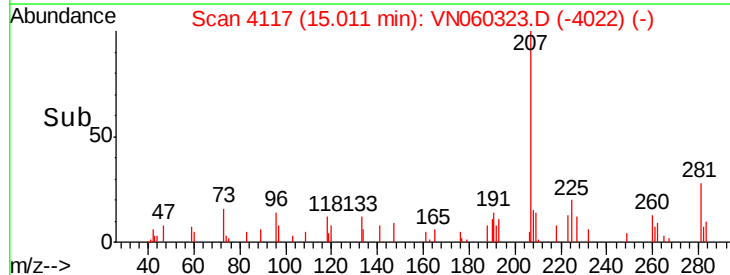
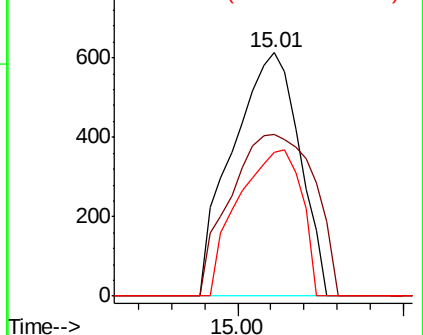


#94
 Hexachlorobutadiene
 Concen: 0.631 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060323.D
 Acq: 3 Mar 2020 12:48

Tgt Ion:225 Resp: 860
 Ion Ratio Lower Upper
 225 100
 223 83.4 31.3 93.9
 227 56.9 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: 0.663 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

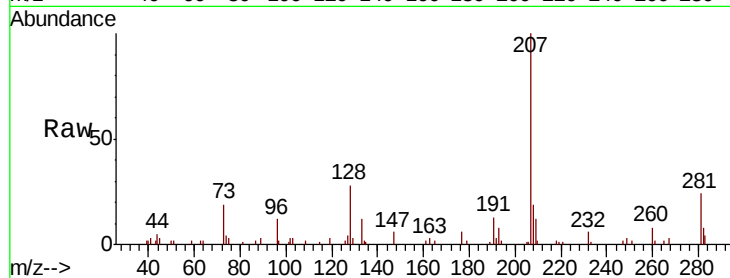
Tot Ion:128 Resp: 5496

Ion Ratio Lower Upper

128 100

127 11.6 10.4 15.6

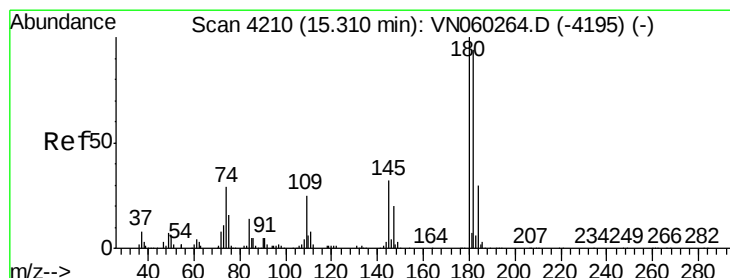
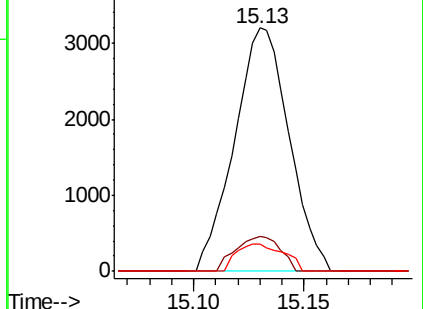
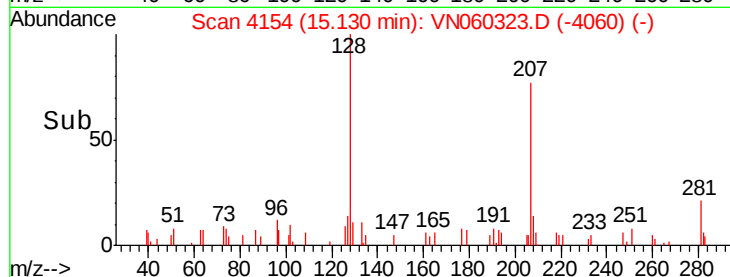
129 9.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.754 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060323.D

Acq: 3 Mar 2020 12:48

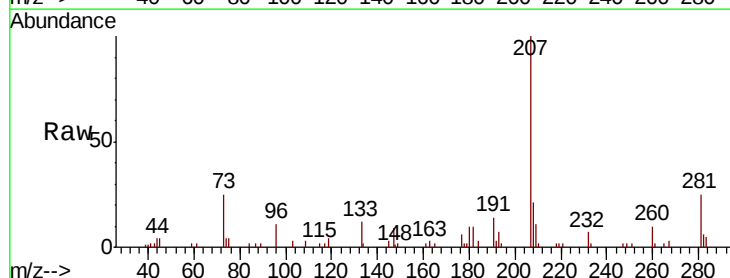
Tgt Ion:180 Resp: 2038

Ion Ratio Lower Upper

180 100

182 85.4 47.3 142.0

145 31.6 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

