

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060388.D
 Acq On : 6 Mar 2020 18:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:58:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	328214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152885	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	123373	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
35) Dibromofluoromethane	7.56	113	88946	58.38	ug/l	0.00
Spiked Amount			Recovery	=	116.76%	
50) Toluene-d8	10.08	98	362022	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
62) 4-Bromofluorobenzene	12.40	95	141547	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	73603	40.870	ug/l	100
3) Chloromethane	2.03	50	135733	43.290	ug/l	99
4) Vinyl Chloride	2.16	62	111566	41.490	ug/l	99
5) Bromomethane	2.54	94	41216	37.477	ug/l	97
6) Chloroethane	2.68	64	61295	42.071	ug/l	98
7) Trichlorofluoromethane	3.00	101	146049	42.510	ug/l	100
8) Diethyl Ether	3.38	74	58285	44.932	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84299	43.356	ug/l	99
10) Methyl Iodide	3.93	142	70868	39.936	ug/l	99
11) Tert butyl alcohol	4.73	59	90303	241.314	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	82933	43.938	ug/l	97
13) Acrolein	3.57	56	97981	280.662	ug/l	100
14) Allyl chloride	4.29	41	147223	42.312	ug/l	92
15) Acrylonitrile	4.94	53	252365	255.856	ug/l	99
16) Acetone	3.78	43	201378	247.442	ug/l	100
17) Carbon Disulfide	4.03	76	210540	41.928	ug/l	100
18) Methyl Acetate	4.29	43	130991	48.231	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	319132	46.578	ug/l	99
20) Methylene Chloride	4.52	84	99017	44.302	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	90971	44.824	ug/l	98
22) Diisopropyl ether	5.91	45	341267	48.421	ug/l	97
23) Vinyl Acetate	5.86	43	1366962	244.079	ug/l	99
24) 1,1-Dichloroethane	5.82	63	188527	47.255	ug/l	100
25) 2-Butanone	6.80	43	336221	255.770	ug/l	100
26) 2,2-Dichloropropane	6.80	77	163099	44.906	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	111493	43.020	ug/l	98
28) Bromochloromethane	7.17	49	79773	48.700	ug/l	96
29) Tetrahydrofuran	7.18	42	227055	248.390	ug/l	98
30) Chloroform	7.35	83	187003	47.086	ug/l	100
31) Cyclohexane	7.63	56	158700	46.521	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	164564	46.767	ug/l	100
36) 1,1-Dichloropropene	7.77	75	135637	43.362	ug/l	99
37) Ethyl Acetate	6.89	43	145080	48.983	ug/l	100
38) Carbon Tetrachloride	7.75	117	135486	44.487	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152277	41.289	ug/l	97
40) Benzene	8.02	78	411926	45.245	ug/l	99
41) Methacrylonitrile	7.18	41	209607	153.266	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	151555	46.130	ug/l	100
43) Isopropyl Acetate	8.14	43	254305	49.044	ug/l	99
44) Trichloroethene	8.82	130	111406	43.936	ug/l	100
45) 1,2-Dichloropropane	9.10	63	113483	47.675	ug/l	99
46) Dibromomethane	9.19	93	70356	45.552	ug/l	99
47) Bromodichloromethane	9.39	83	149412	47.563	ug/l	99
48) Methyl methacrylate	9.18	41	111040	46.961	ug/l	100
49) 1,4-Dioxane	9.18	88	30941	930.504	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	745328	253.518	ug/l	99
52) Toluene	10.14	92	258310	45.167	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	174271	45.275	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	183255	45.945	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	104473	45.426	ug/l	98
56) Ethyl methacrylate	10.42	69	163769	49.565	ug/l	98
57) 1,3-Dichloropropane	10.70	76	177121	47.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	429796	248.714	ug/l	98
59) 2-Hexanone	10.74	43	540055	250.190	ug/l	100
60) Dibromochloromethane	10.89	129	113794	48.653	ug/l	99
61) 1,2-Dibromoethane	10.99	107	106255	47.394	ug/l	98
64) Tetrachloroethene	10.62	164	116404	47.732	ug/l	99
65) Chlorobenzene	11.43	112	273489	43.787	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	105778	45.803	ug/l	100
67) Ethyl Benzene	11.50	91	506487	44.529	ug/l	100
68) m/p-Xylenes	11.62	106	374704	87.314	ug/l	100
69) o-Xylene	11.94	106	181583	44.372	ug/l	100
70) Styrene	11.96	104	305688	45.434	ug/l	100
71) Bromoform	12.12	173	81029	48.683	ug/l #	99
73) Isopropylbenzene	12.24	105	493581	43.558	ug/l	100
74) N-amyl acetate	12.06	43	228023	46.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	145209	47.142	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	206911	61.685	ug/l #	100
77) Bromobenzene	12.52	156	120228	43.283	ug/l	98
78) n-propylbenzene	12.59	91	574771	43.272	ug/l	100
79) 2-Chlorotoluene	12.67	91	339786	43.518	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	417464	43.756	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	55906	46.009	ug/l #	85
82) 4-Chlorotoluene	12.77	91	357129	43.413	ug/l	99
83) tert-Butylbenzene	12.99	119	351600	42.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	419332	43.545	ug/l	99
85) sec-Butylbenzene	13.17	105	471472	42.623	ug/l	99
86) p-Isopropyltoluene	13.28	119	422735	41.290	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	215649	45.163	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	214473	45.158	ug/l	99
89) n-Butylbenzene	13.61	91	381163	40.556	ug/l	100
90) Hexachloroethane	13.87	117	60659	40.932	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	208903	42.921	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31216	44.752	ug/l	98

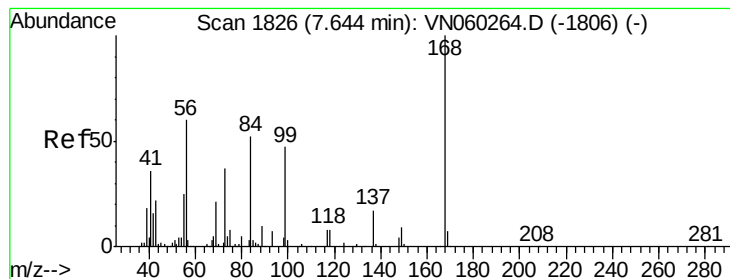
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132405	42.825	ug/l	100
94) Hexachlorobutadiene	15.01	225	60360	42.370	ug/l	100
95) Naphthalene	15.13	128	405004	44.430	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125789	43.163	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

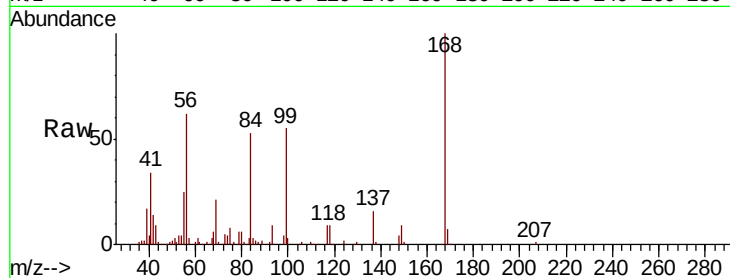
ClientSampled :

Tot Ion:168 Resp: 196426

Ion Ratio Lower Upper

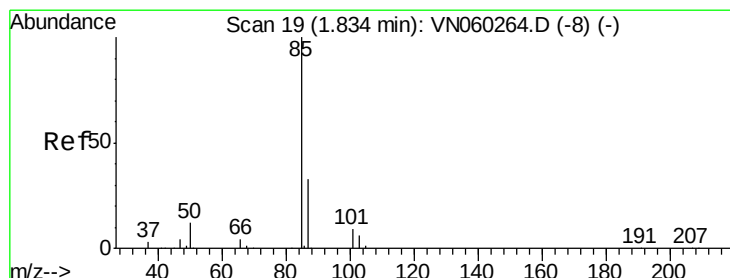
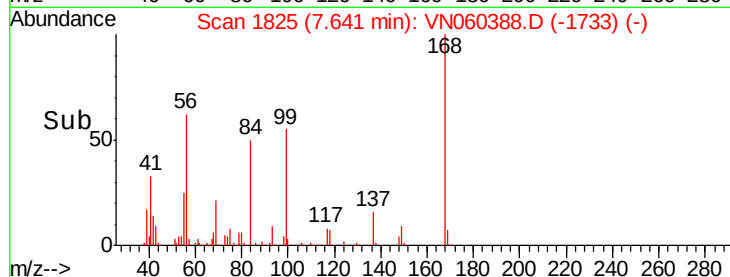
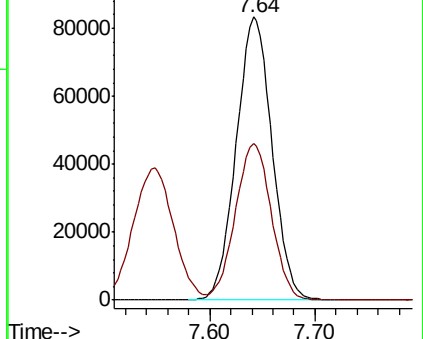
168 100

99 55.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 40.870 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060388.D

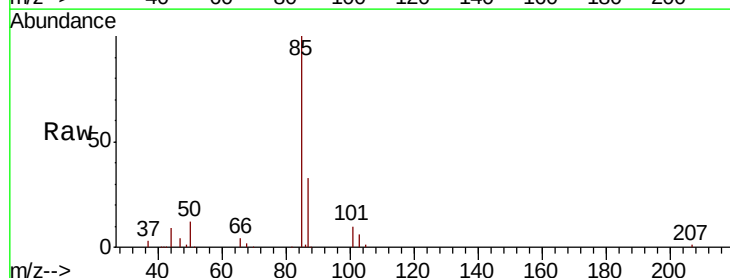
Acq: 6 Mar 2020 18:07

Tgt Ion: 85 Resp: 73603

Ion Ratio Lower Upper

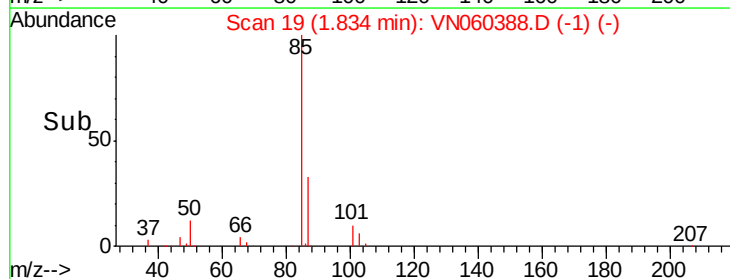
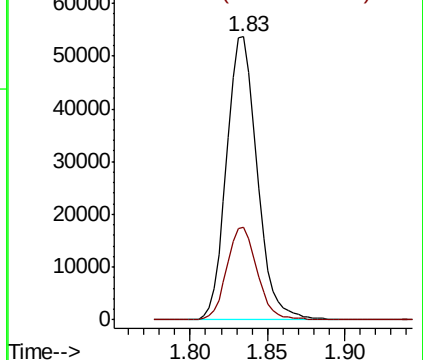
85 100

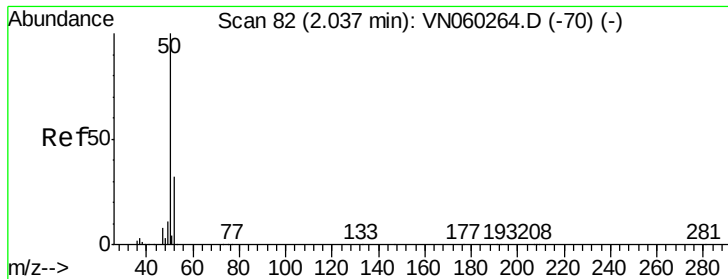
87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 43.290 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

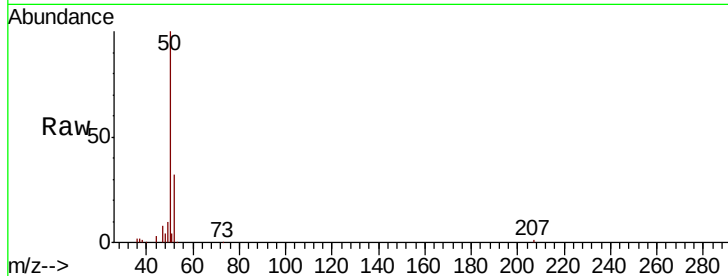
ClientSampled :

Tot Ion: 50 Resp: 135733

Ion Ratio Lower Upper

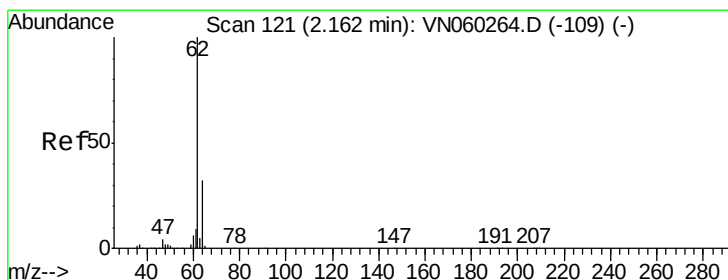
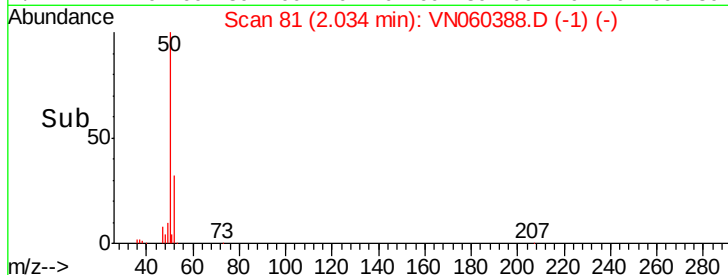
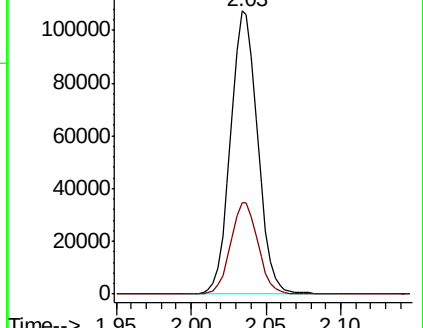
50 100

52 32.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060388.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060388.D (-1) (-)



#4

Vinyl Chloride

Concen: 41.490 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060388.D

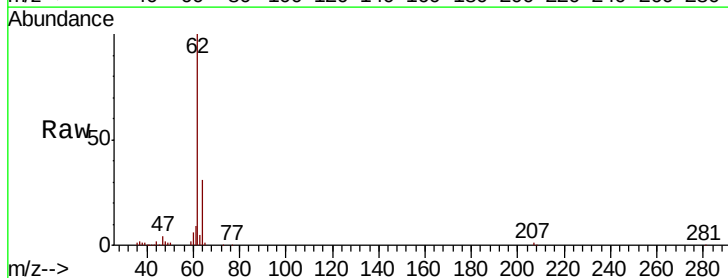
Acq: 6 Mar 2020 18:07

Tgt Ion: 62 Resp: 111566

Ion Ratio Lower Upper

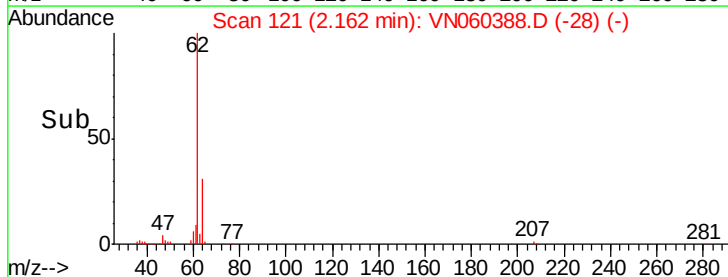
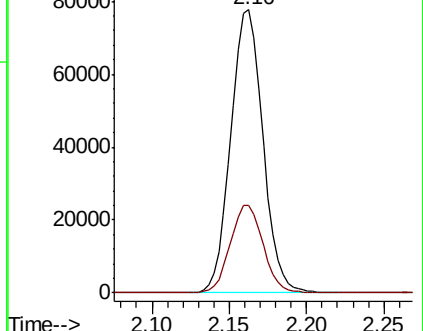
62 100

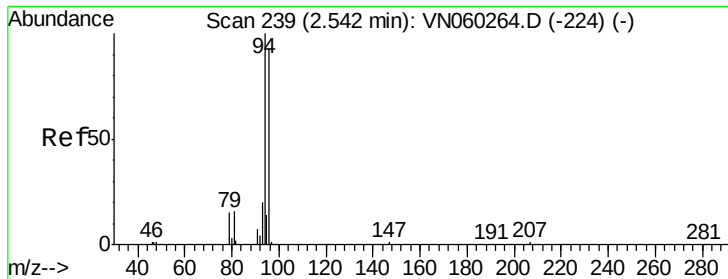
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN060388.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN060388.D (-28) (-)





#5

Bromomethane

Concen: 37.477 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

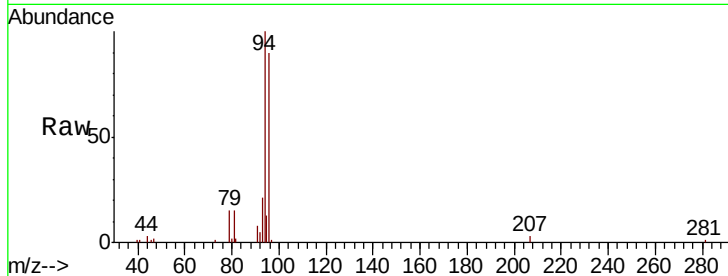
ClientSampled :

Tot Ion: 94 Resp: 41216

Ion Ratio Lower Upper

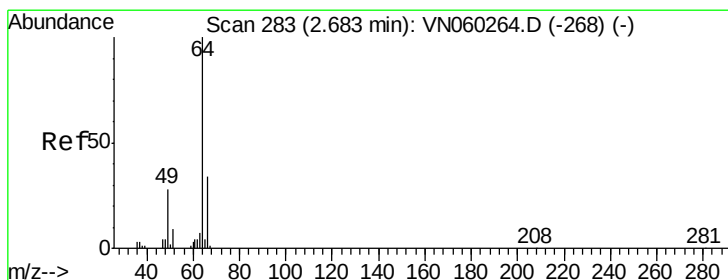
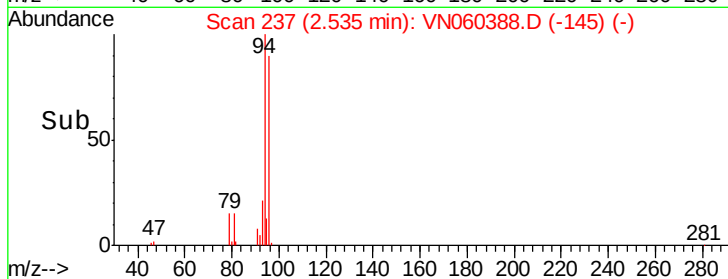
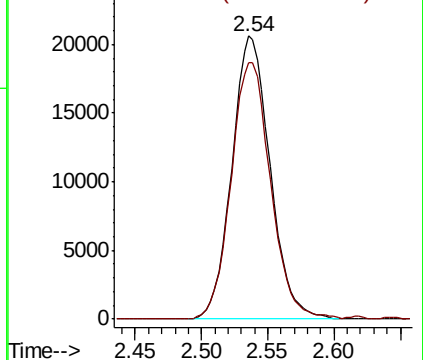
94 100

96 90.5 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.071 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060388.D

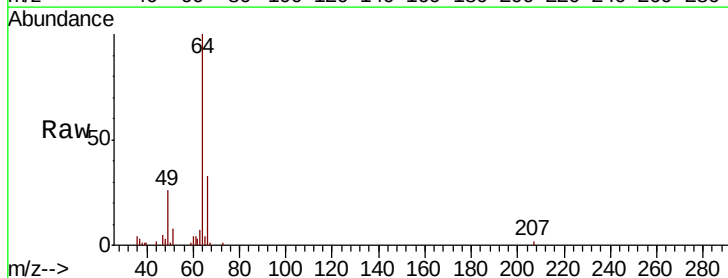
Acq: 6 Mar 2020 18:07

Tgt Ion: 64 Resp: 61295

Ion Ratio Lower Upper

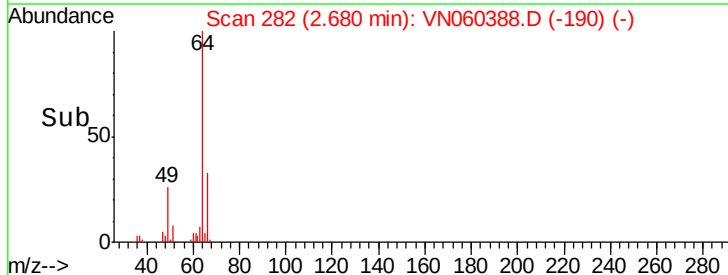
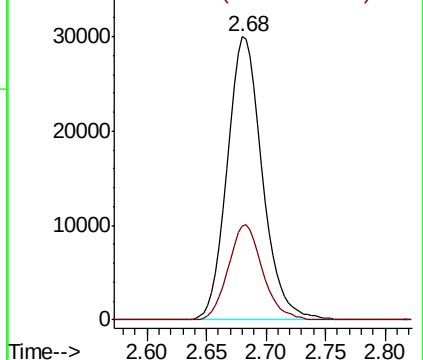
64 100

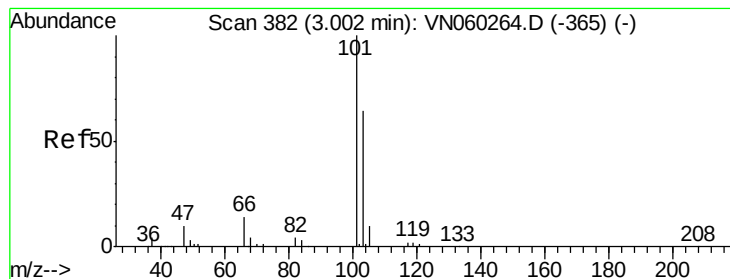
66 33.3 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



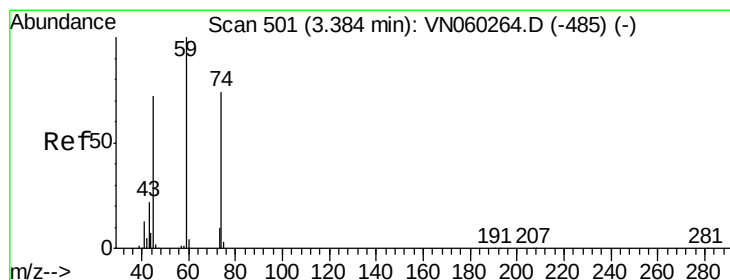
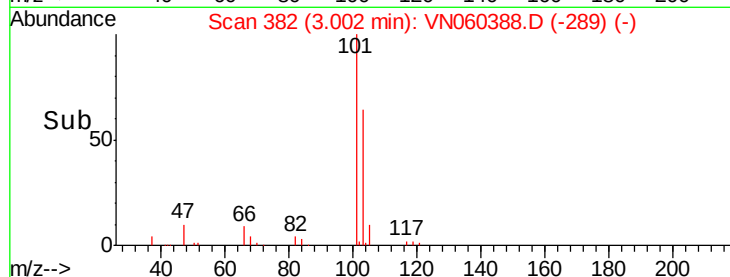
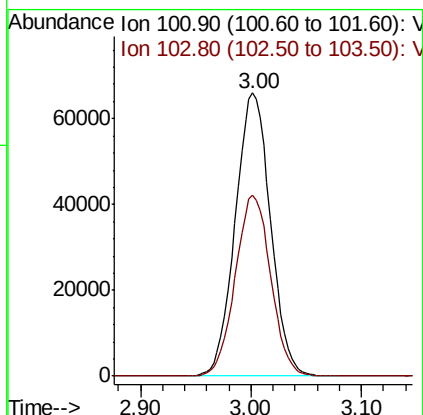
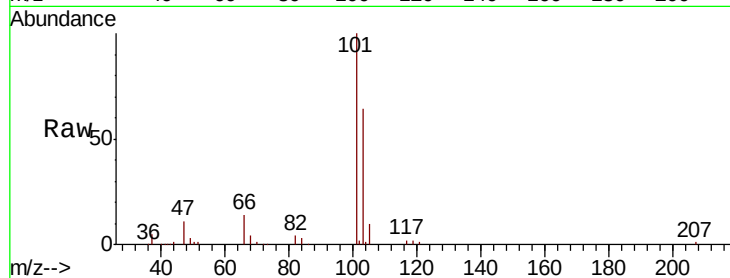


#7

Trichlorofluoromethane
 Concen: 42.510 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampled :

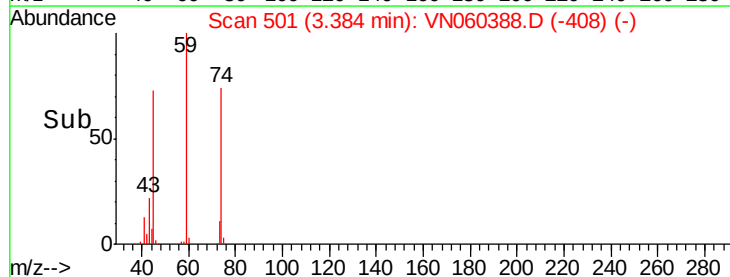
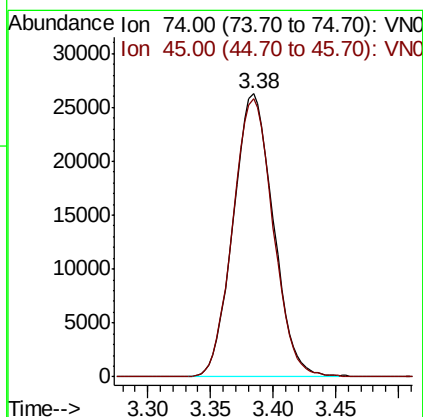
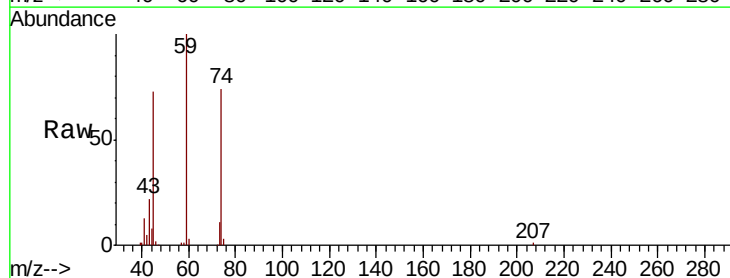
Tot Ion:101 Resp: 146049
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.3 76.9

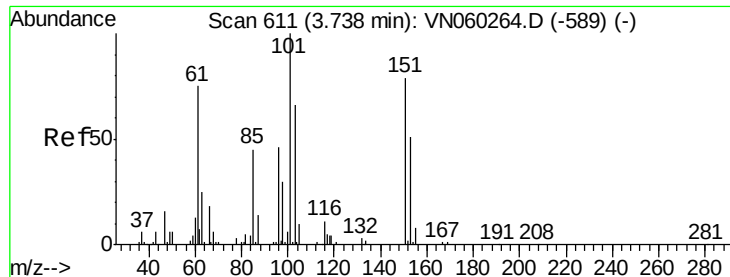


#8

Diethyl Ether
 Concen: 44.932 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion: 74 Resp: 58285
 Ion Ratio Lower Upper
 74 100
 45 98.9 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.356 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

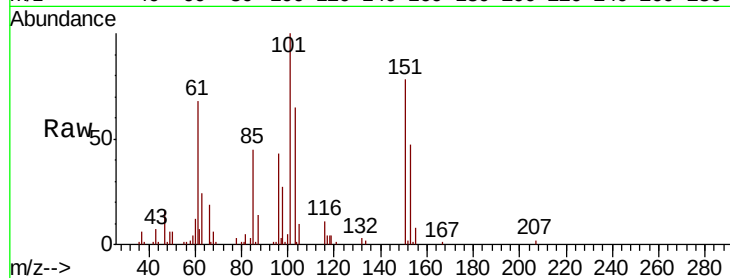
Tot Ion:101 Resp: 84299

Ion Ratio Lower Upper

101 100

85 45.4 35.4 53.2

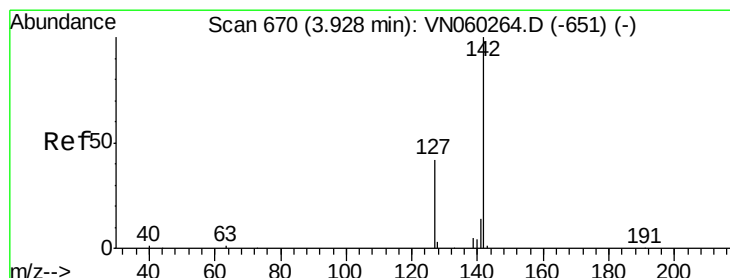
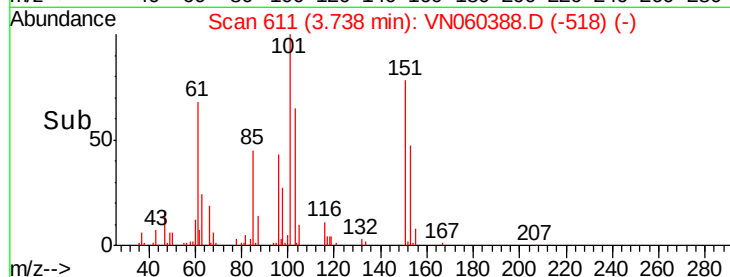
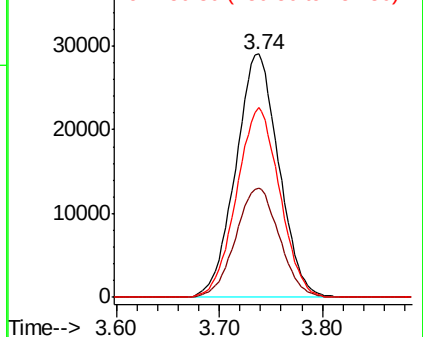
151 77.9 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.936 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

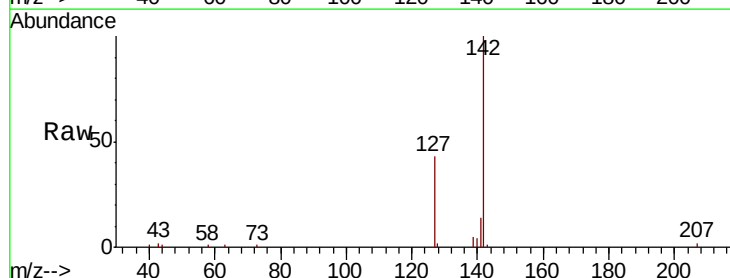
Tgt Ion:142 Resp: 70868

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

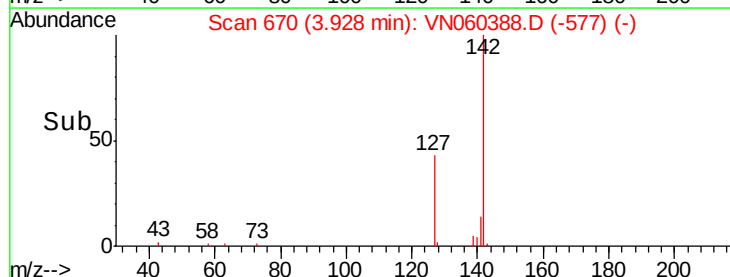
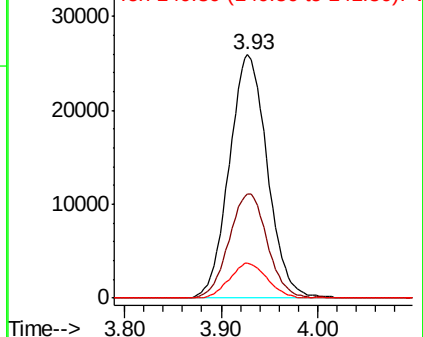
141 14.1 11.1 16.7

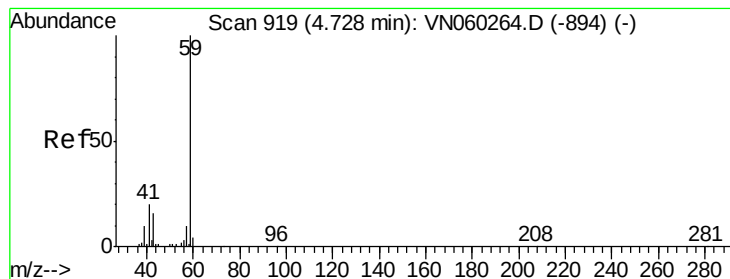


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



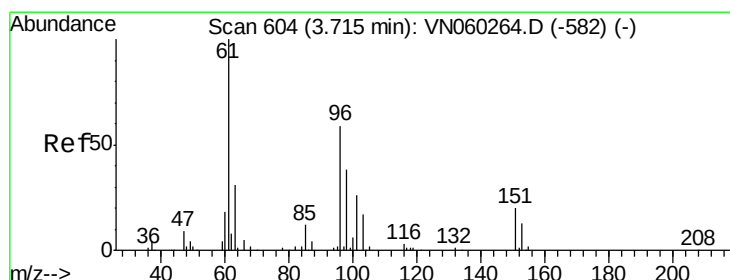
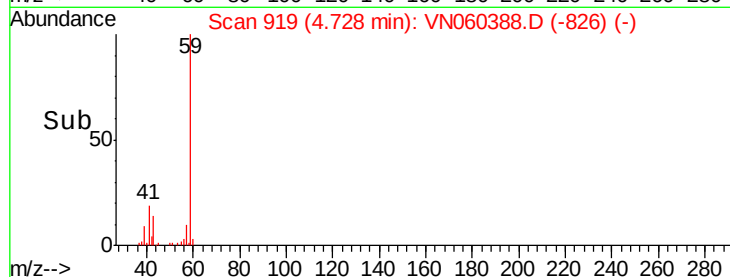
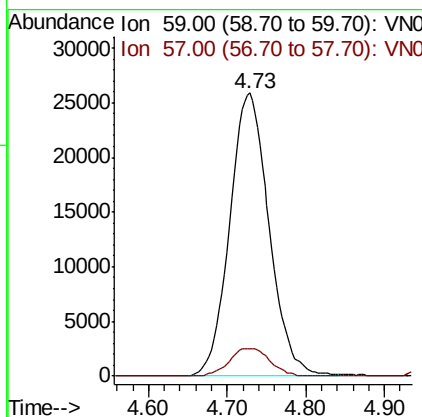
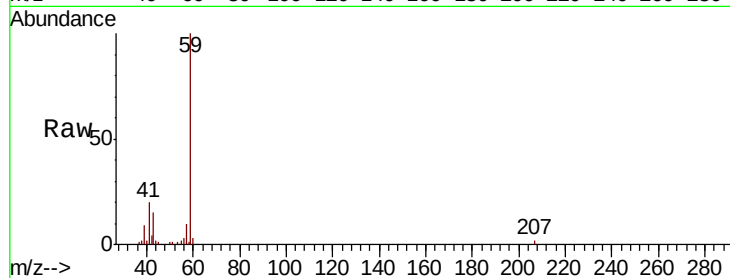


#11

Tert butyl alcohol
 Concen: 241.314 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampled :

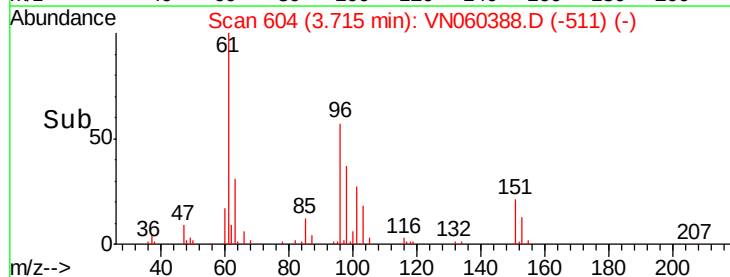
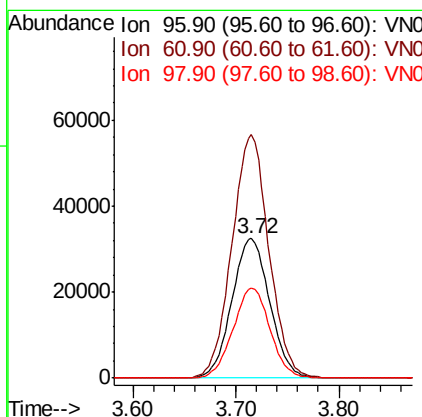
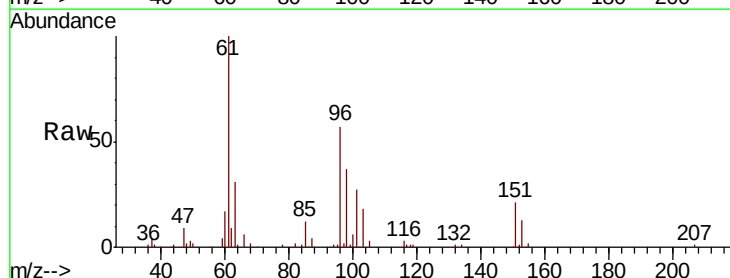
Tot Ion: 59 Resp: 90303
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.2 12.2#

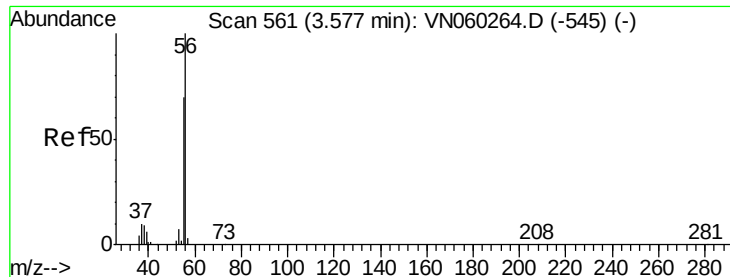


#12

1,1-Dichloroethene
 Concen: 43.938 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion: 96 Resp: 82933
 Ion Ratio Lower Upper
 96 100
 61 174.6 135.4 203.0
 98 64.4 51.6 77.4

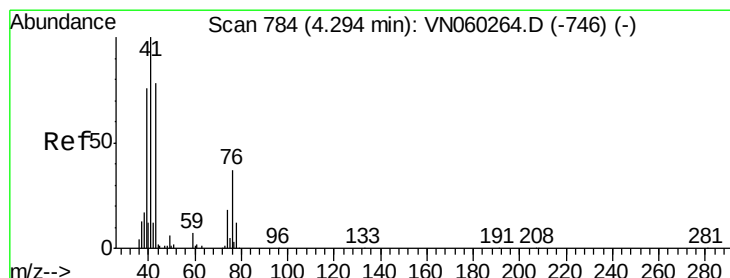
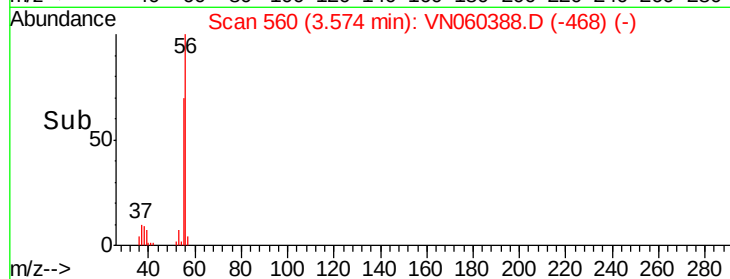
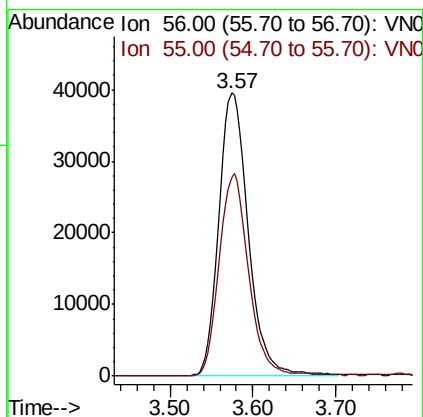
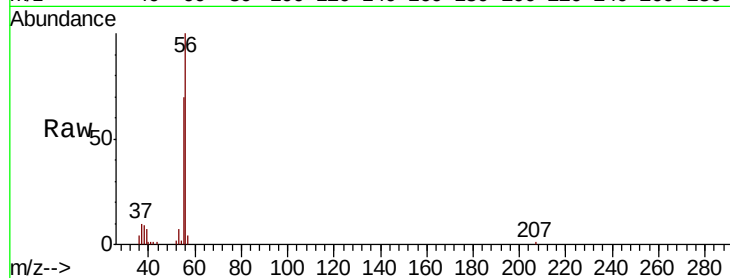




#13
Acrolein
Concen: 280.662 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

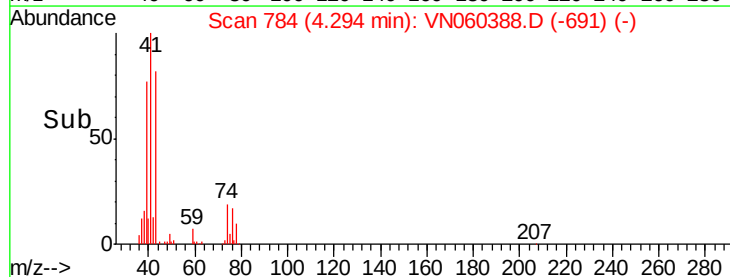
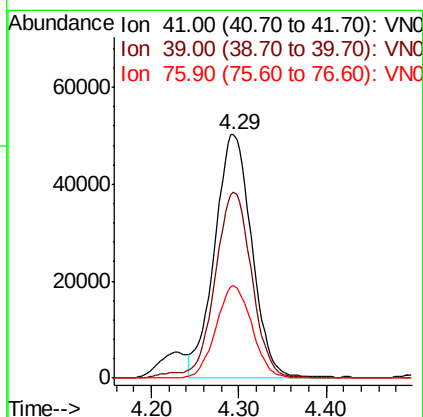
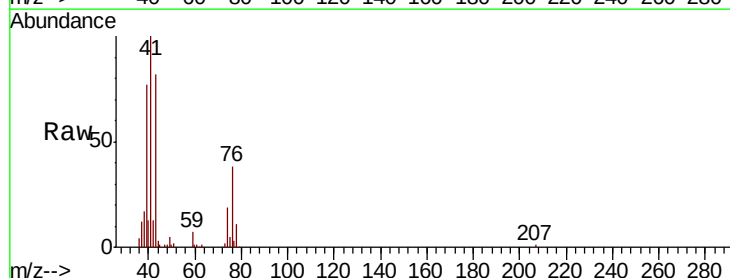
Instrument :
MSVOA_N
ClientSampleId :

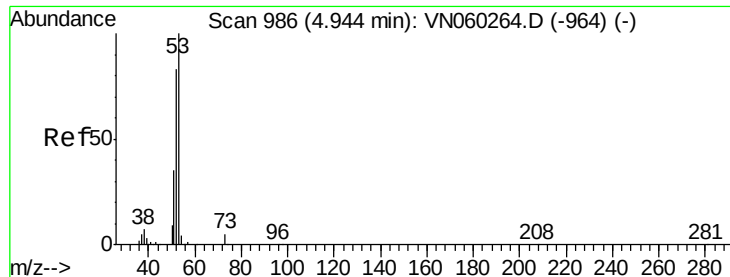
Tot Ion: 56 Resp: 97981
Ion Ratio Lower Upper
56 100
55 71.4 57.4 86.0



#14
Allyl chloride
Concen: 42.312 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 41 Resp: 147223
Ion Ratio Lower Upper
41 100
39 77.0 55.4 83.2
76 36.8 27.0 40.6





#15

Acrylonitrile

Concen: 255.856 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

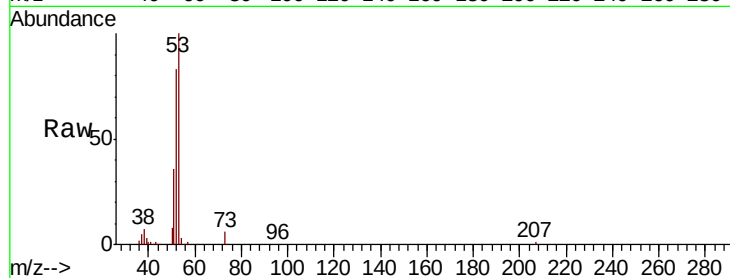
Tot Ion: 53 Resp: 252365

Ion Ratio Lower Upper

53 100

52 81.9 66.8 100.2

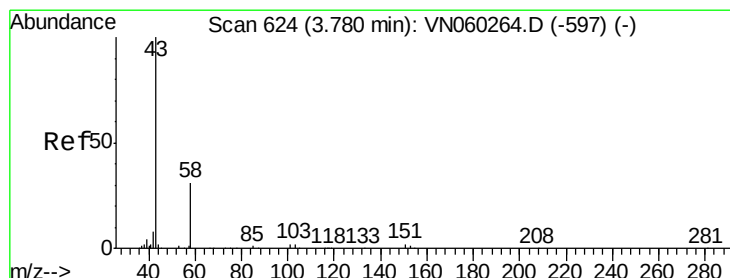
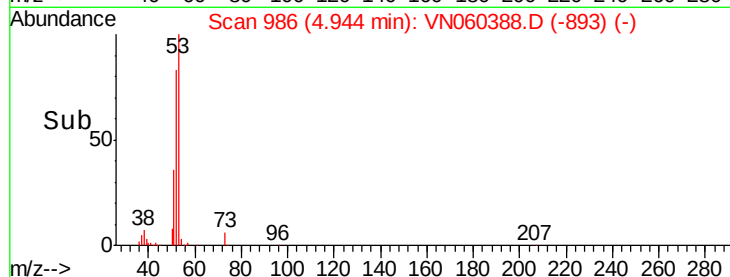
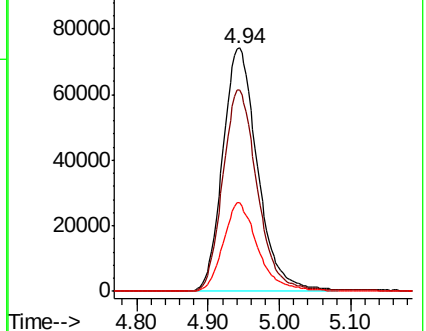
51 36.1 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060388.D (-531) (-)

Ion 52.00 (51.70 to 52.70): VN060388.D (-531) (-)

Ion 51.00 (50.70 to 51.70): VN060388.D (-531) (-)



#16

Acetone

Concen: 247.442 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060388.D

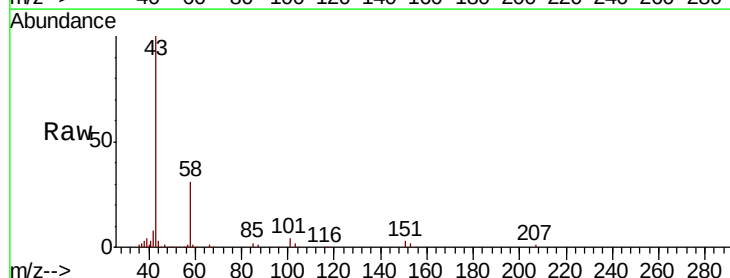
Acq: 6 Mar 2020 18:07

Tgt Ion: 43 Resp: 201378

Ion Ratio Lower Upper

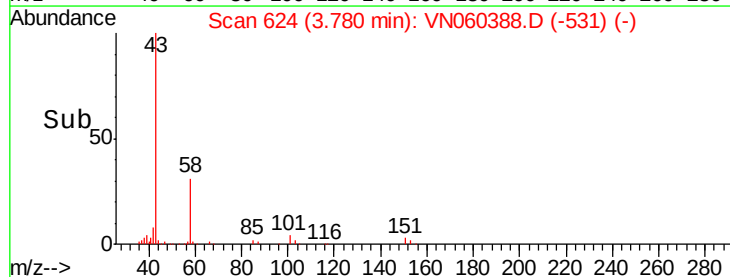
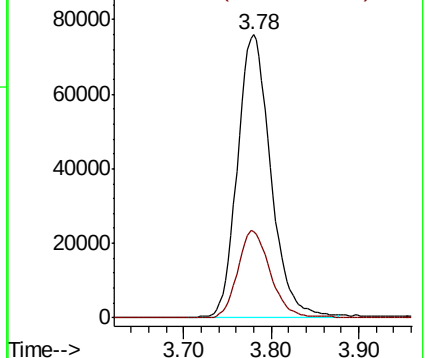
43 100

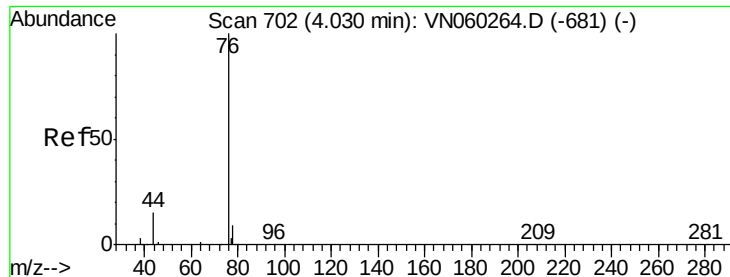
58 30.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060388.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060388.D (-531) (-)





#17

Carbon Disulfide

Concen: 41.928 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

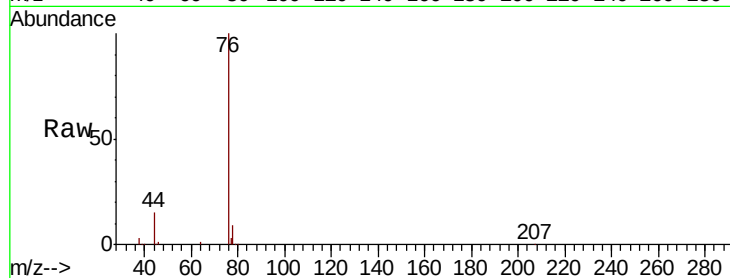
ClientSampleId :

Tot Ion: 76 Resp: 210540

Ion Ratio Lower Upper

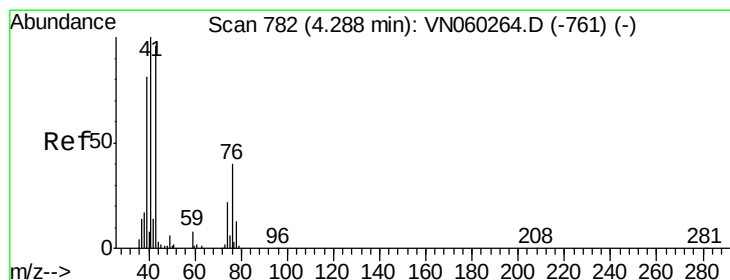
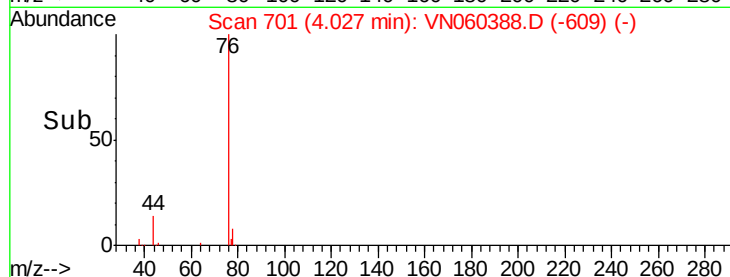
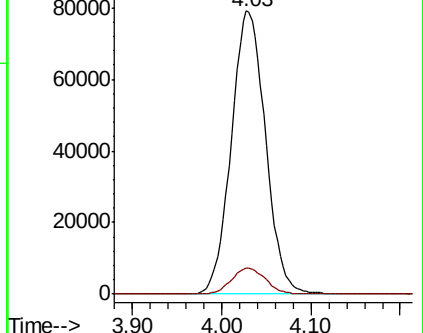
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN060388.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060388.D (-681) (-)



#18

Methyl Acetate

Concen: 48.231 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060388.D

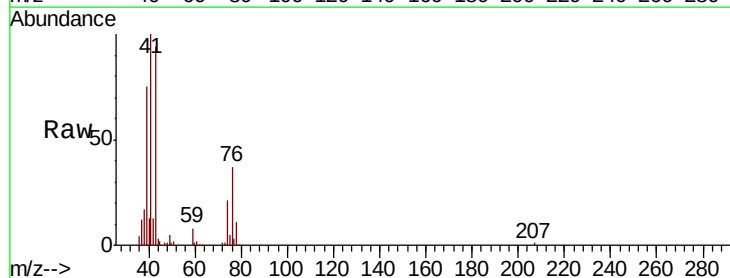
Acq: 6 Mar 2020 18:07

Tgt Ion: 43 Resp: 130991

Ion Ratio Lower Upper

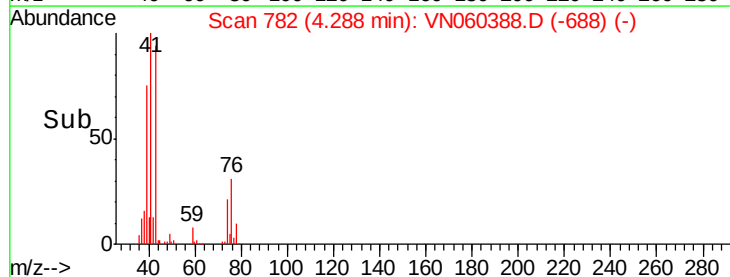
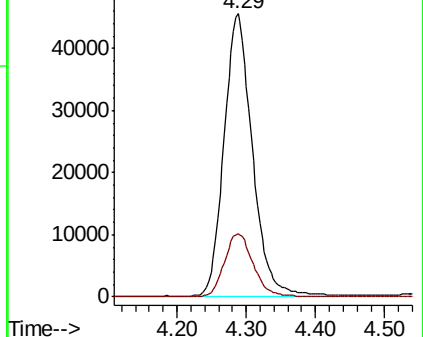
43 100

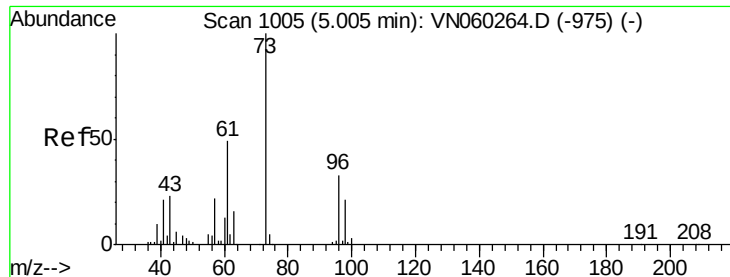
74 22.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN060388.D (-688) (-)

Ion 74.00 (73.70 to 74.70): VN060388.D (-688) (-)

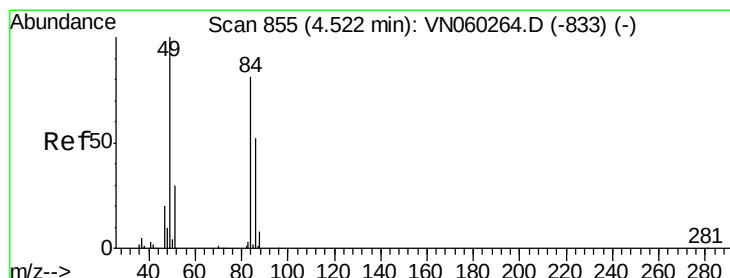
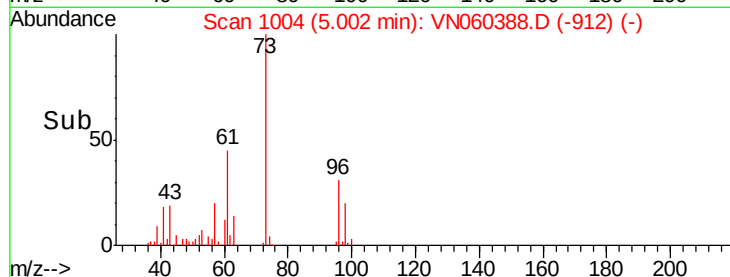
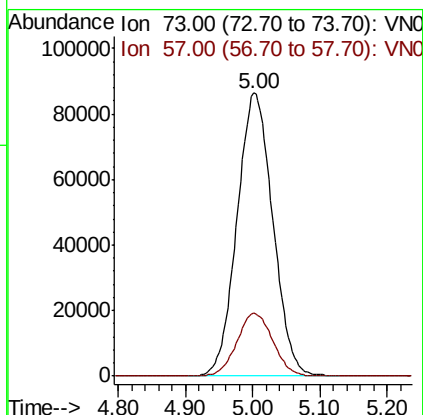
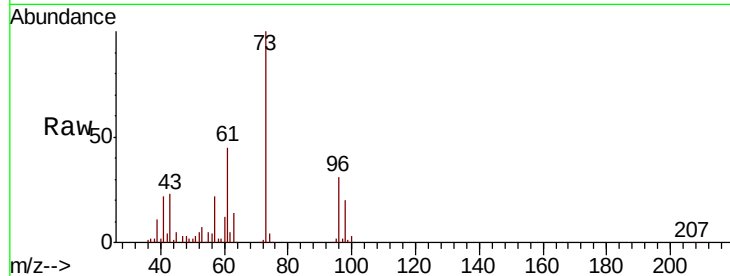




#19
Methyl tert-butyl Ether
Concen: 46.578 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

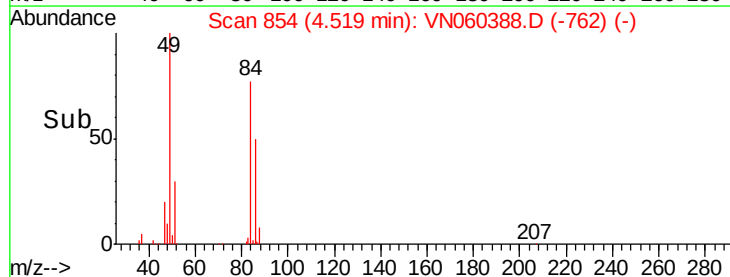
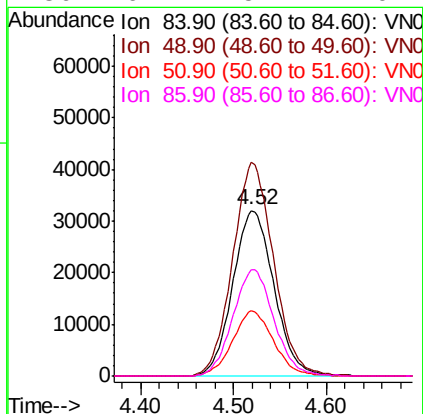
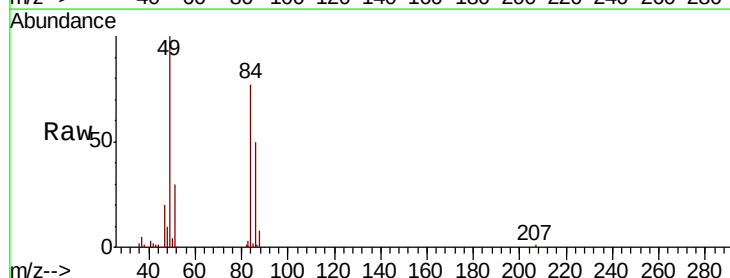
Instrument :
MSVOA_N
ClientSampled :

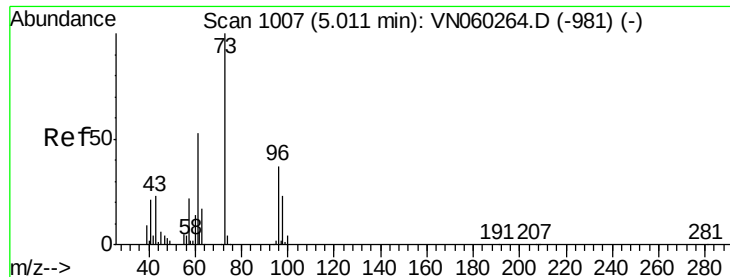
Tot Ion: 73 Resp: 319132
Ion Ratio Lower Upper
73 100
57 22.2 17.3 25.9



#20
Methylene Chloride
Concen: 44.302 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 84 Resp: 99017
Ion Ratio Lower Upper
84 100
49 129.3 99.3 148.9
51 39.2 30.1 45.1
86 64.4 51.1 76.7



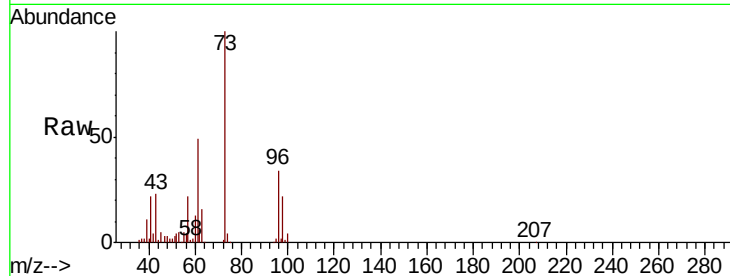


#21

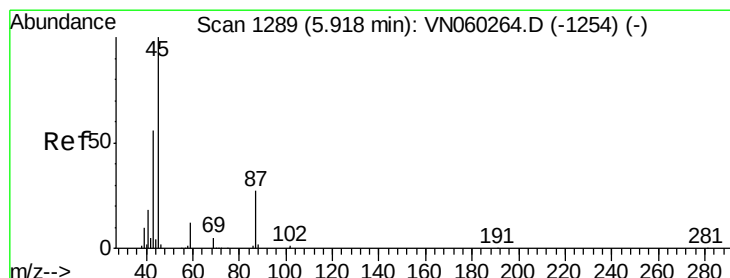
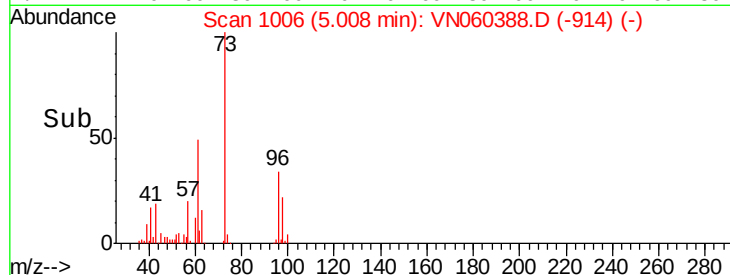
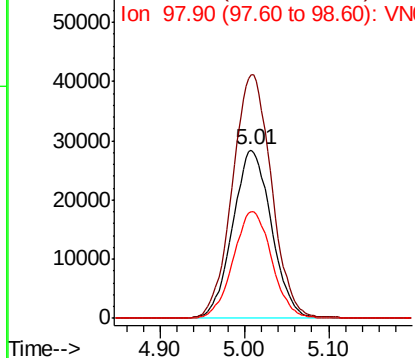
trans-1,2-Dichloroethene
Concen: 44.824 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 90971
Ion Ratio Lower Upper
96 100
61 144.7 113.8 170.8
98 63.7 48.8 73.2



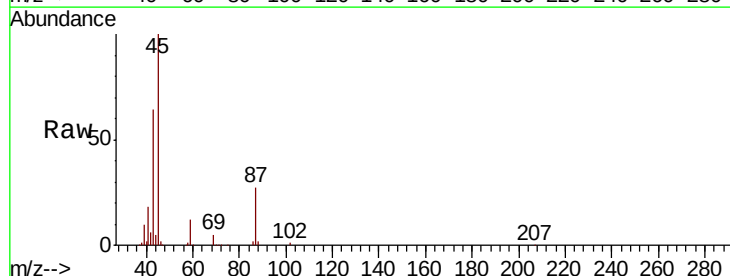
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



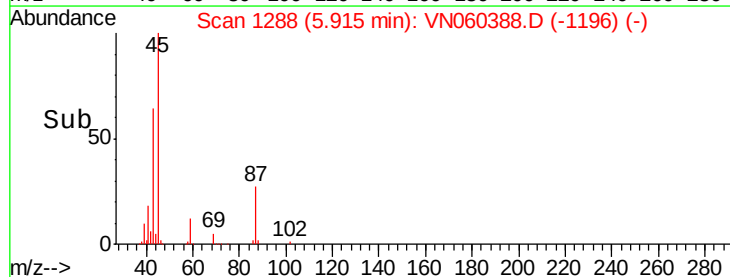
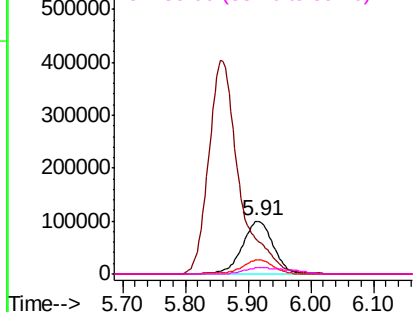
#22

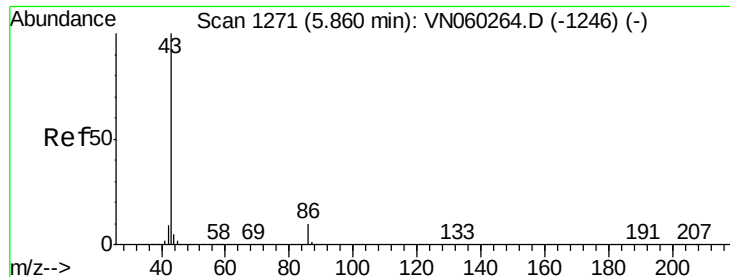
Diisopropyl ether
Concen: 48.421 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 45 Resp: 341267
Ion Ratio Lower Upper
45 100
43 63.6 48.6 72.8
87 26.8 22.2 33.2
59 12.0 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: 244.079 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

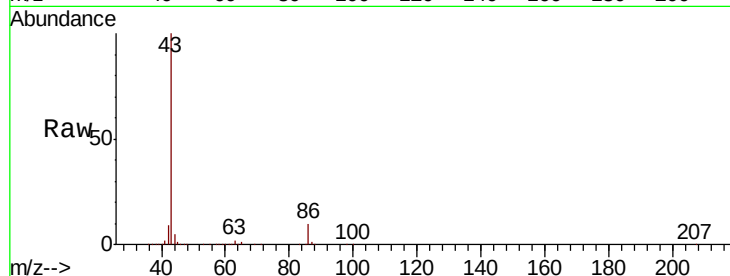
ClientSampled :

Tot Ion: 43 Resp: 1366962

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060388.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060388.D (-1178) (-)

5.86

400000

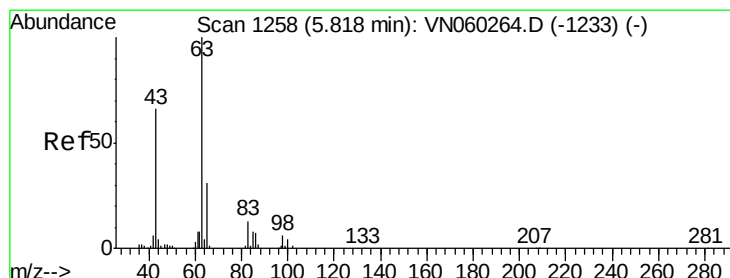
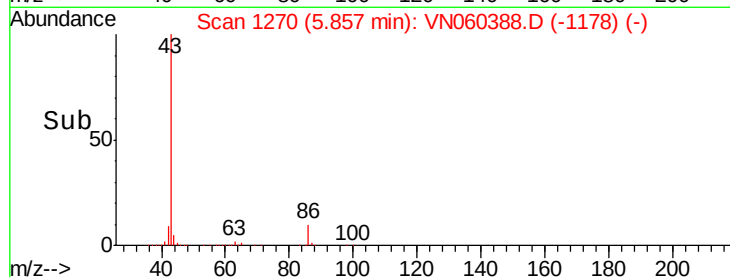
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.255 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

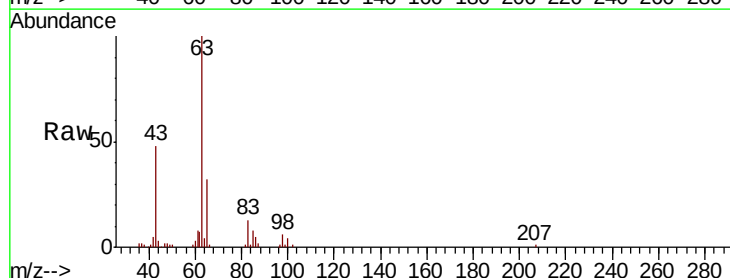
Tgt Ion: 63 Resp: 188527

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060388.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060388.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060388.D (-1165) (-)

80000

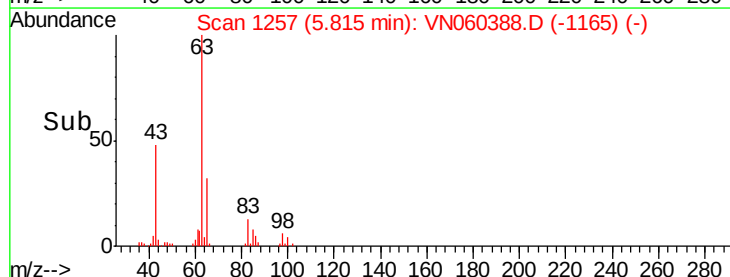
60000

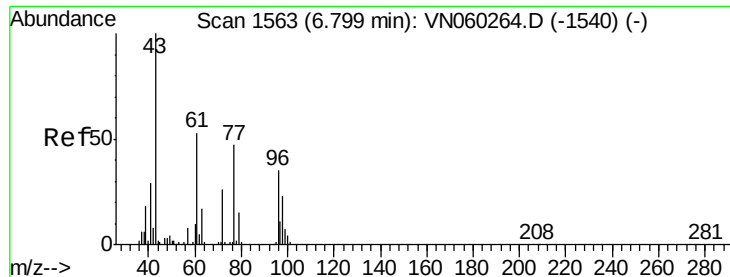
40000

20000

0

Time-->





#25

2-Butanone

Concen: 255.770 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

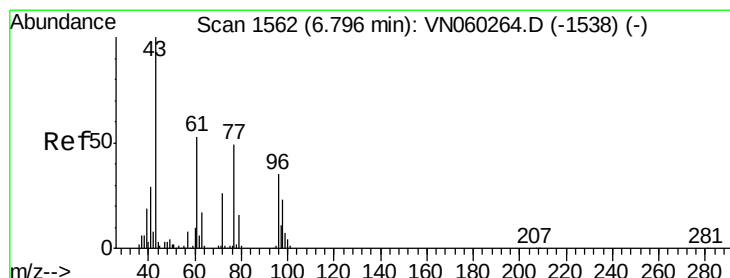
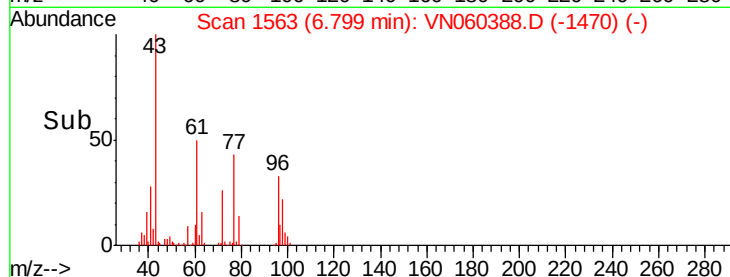
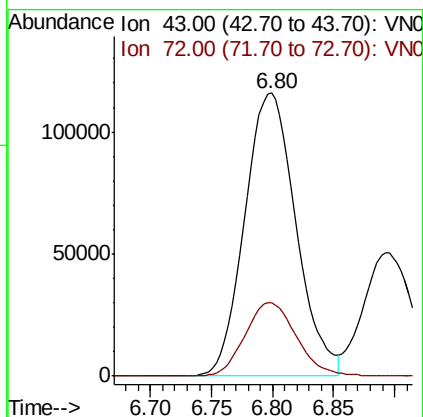
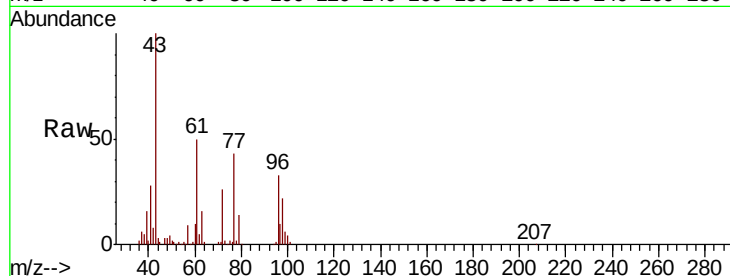
ClientSampleId :

Tot Ion: 43 Resp: 336221

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 44.906 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060388.D

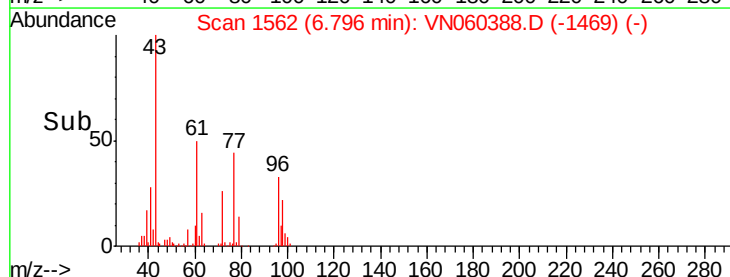
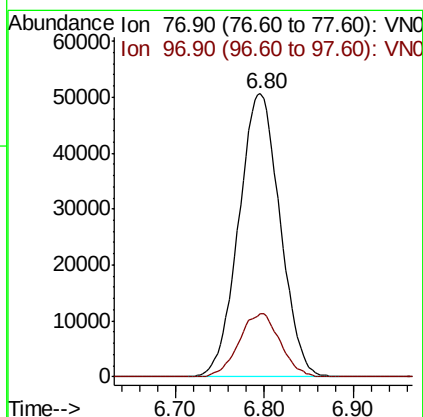
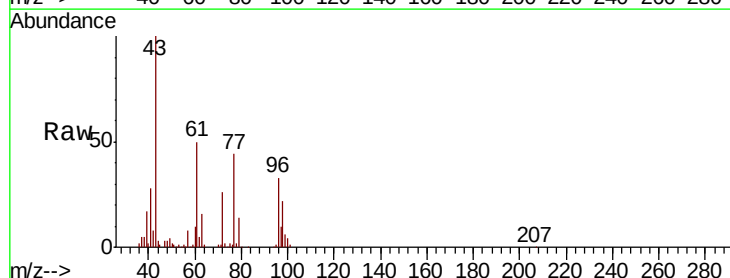
Acq: 6 Mar 2020 18:07

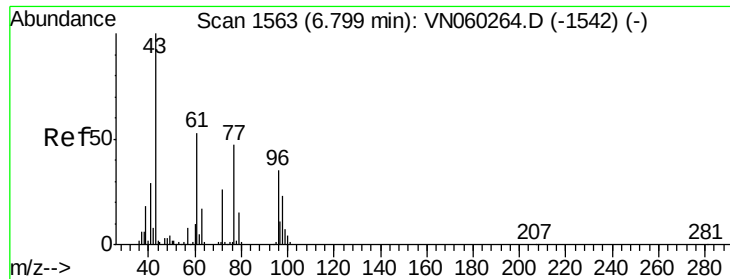
Tgt Ion: 77 Resp: 163099

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 43.020 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :

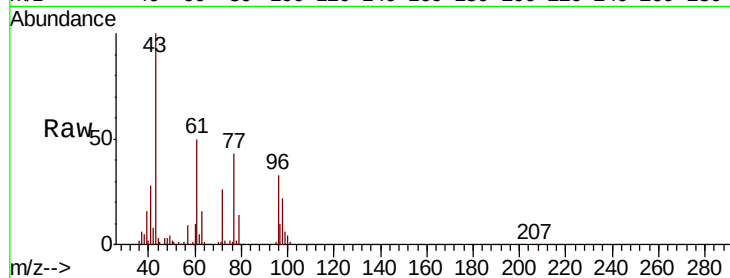
Tot Ion: 96 Resp: 111493

Ion Ratio Lower Upper

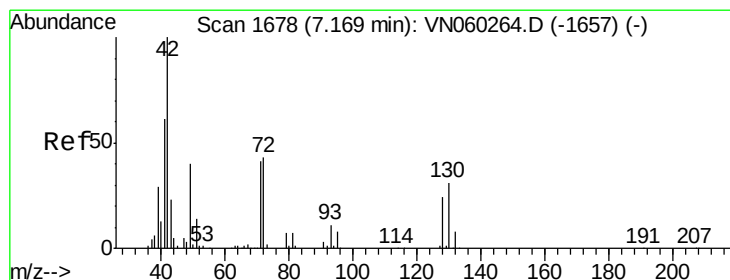
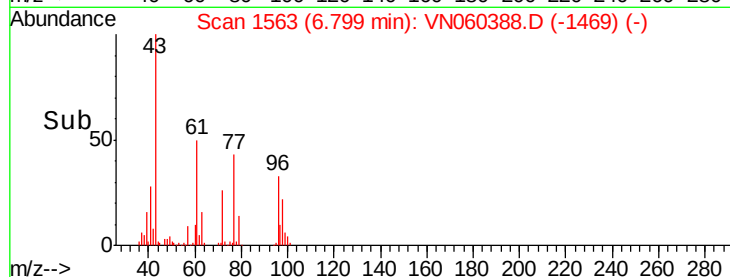
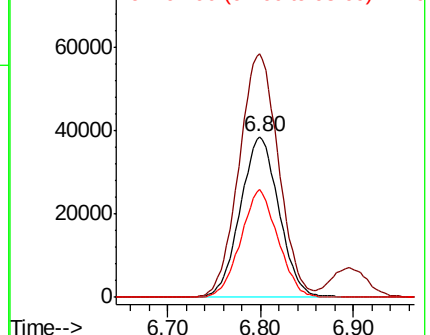
96 100

61 154.6 0.0 300.8

98 64.4 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: 48.700 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

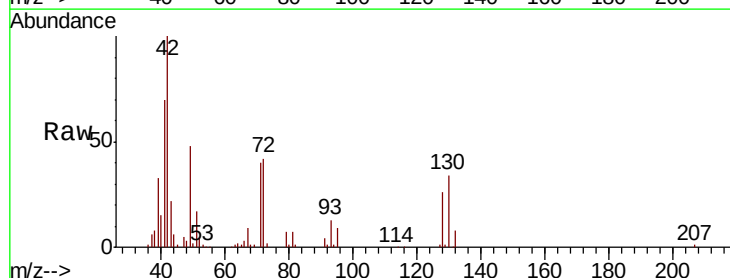
Tgt Ion: 49 Resp: 79773

Ion Ratio Lower Upper

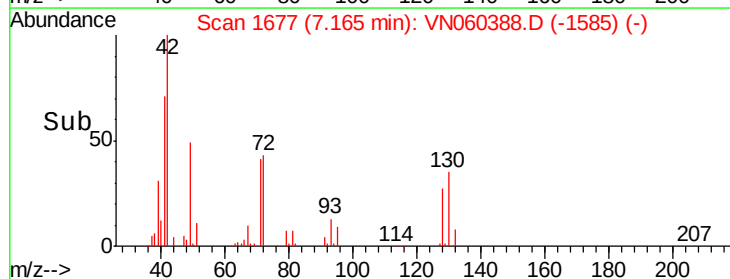
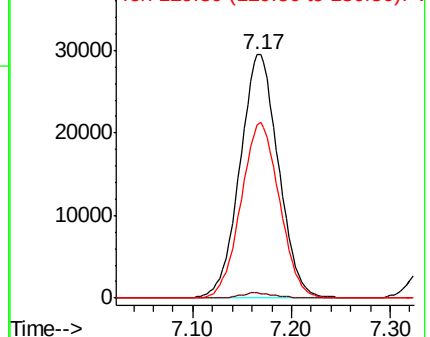
49 100

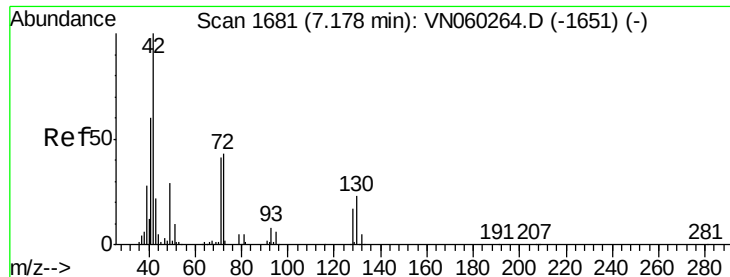
129 1.8 0.0 3.8

130 71.7 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: 248.390 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

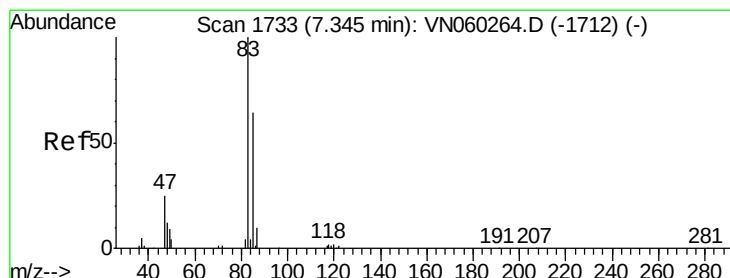
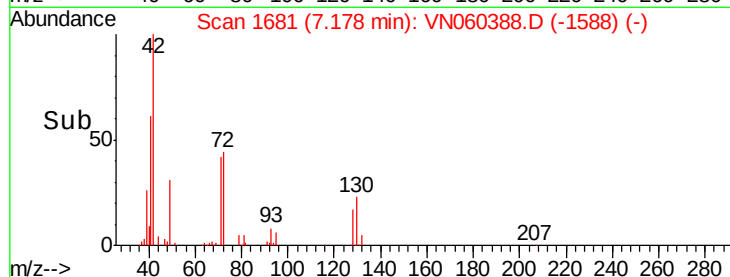
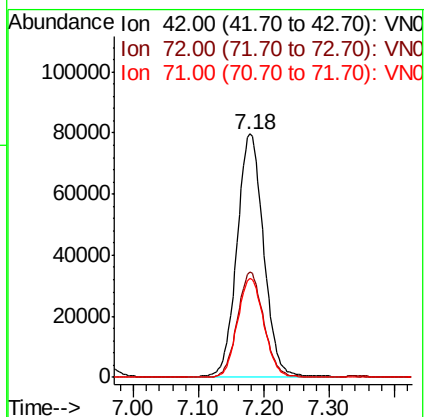
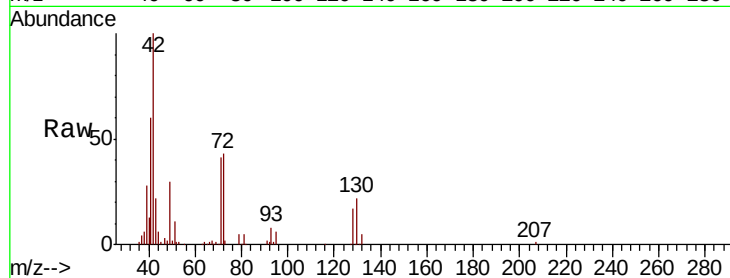
Tot Ion: 42 Resp: 227055

Ion Ratio Lower Upper

42 100

72 42.4 34.6 52.0

71 40.0 32.9 49.3



#30

Chloroform

Concen: 47.086 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060388.D

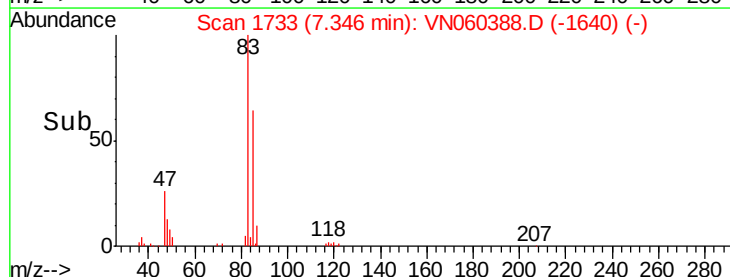
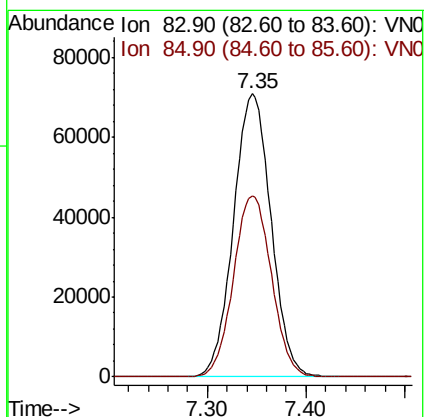
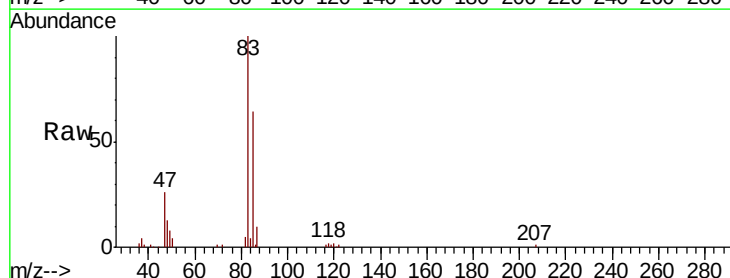
Acq: 6 Mar 2020 18:07

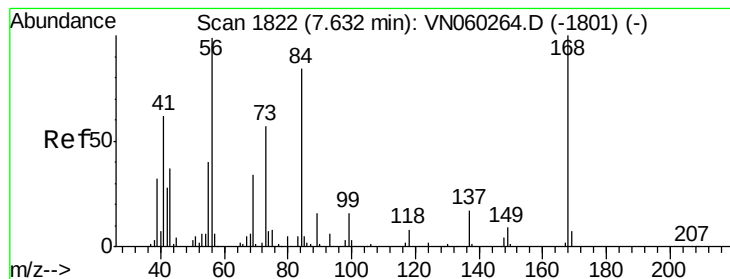
Tgt Ion: 83 Resp: 187003

Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.2





#31

Cyclohexane

Concen: 46.521 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

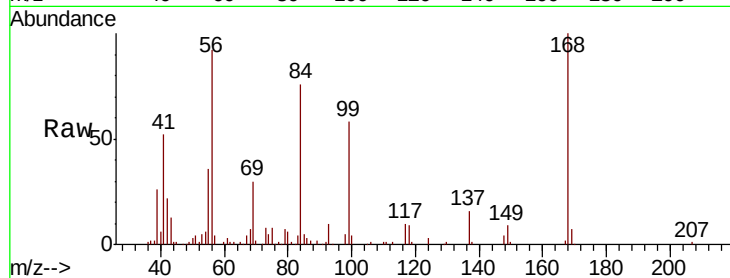
Tot Ion: 56 Resp: 158700

Ion Ratio Lower Upper

56 100

69 33.3 27.2 40.8

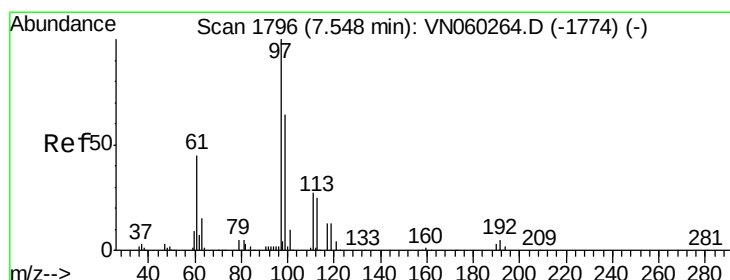
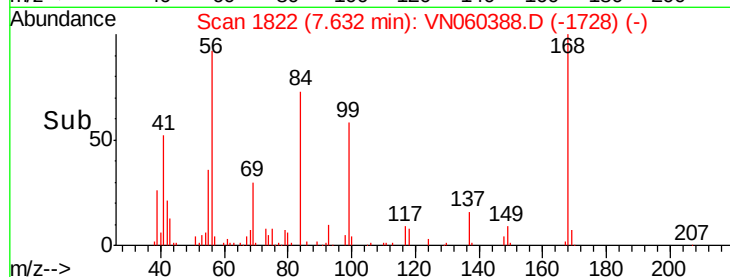
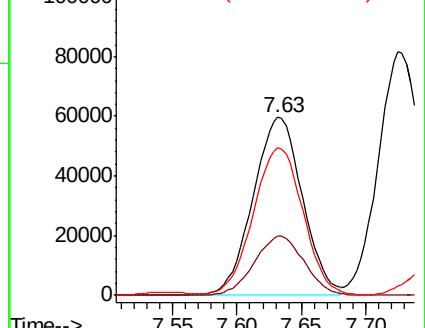
84 81.8 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060388.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN060388.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN060388.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 46.767 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

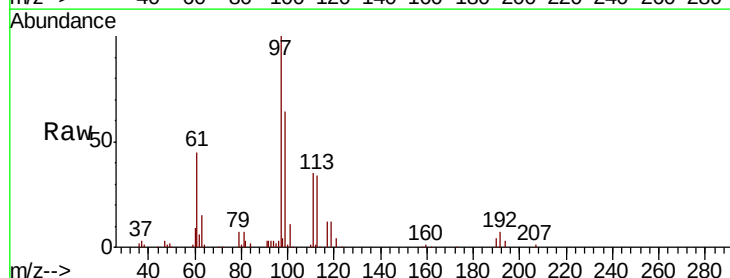
Tgt Ion: 97 Resp: 164564

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

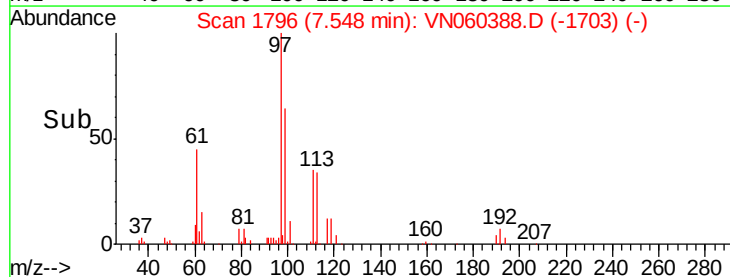
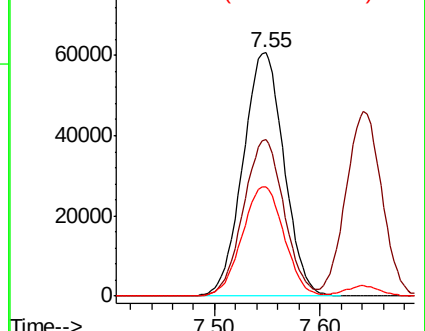
61 45.8 36.6 55.0

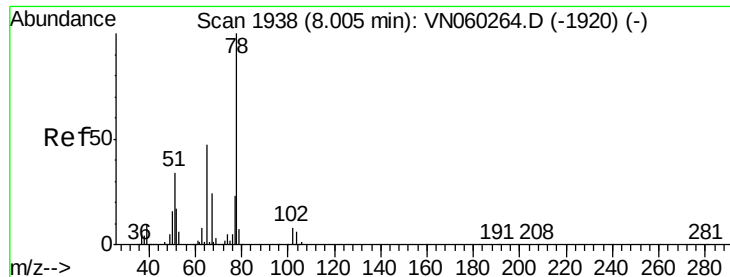


Abundance Ion 96.90 (96.60 to 97.60): VN060388.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060388.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060388.D (-1703) (-)

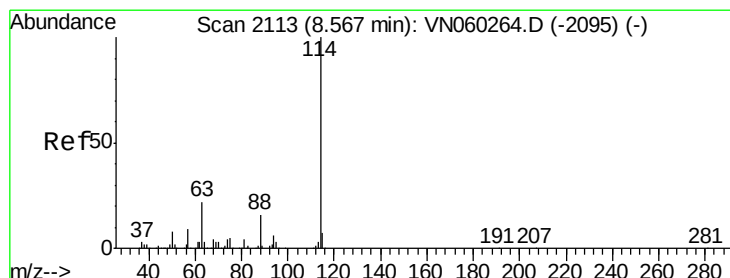
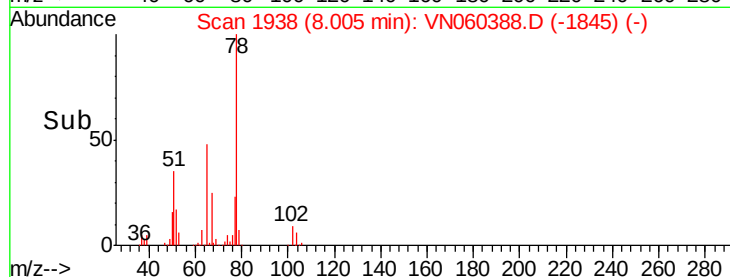
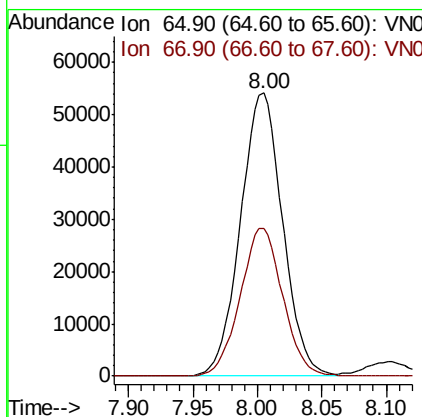
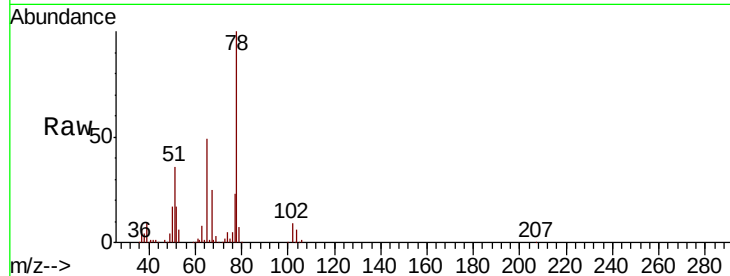




#33
 1,2-Dichloroethane-d4
 Concen: 48.954 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

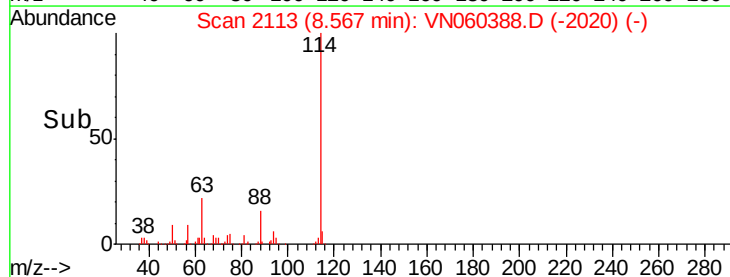
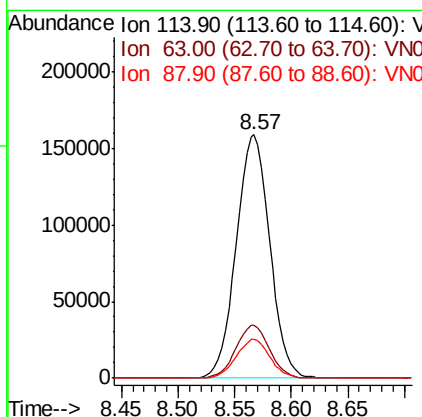
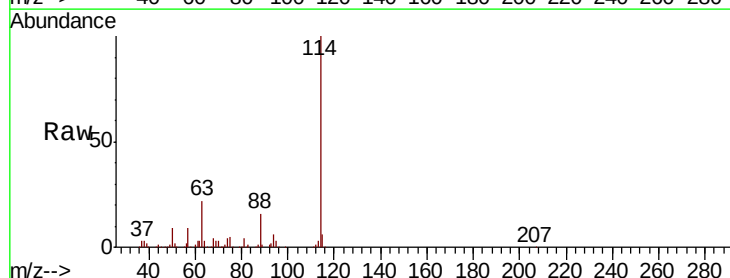
Instrument :
 MSVOA_N
 ClientSampled :

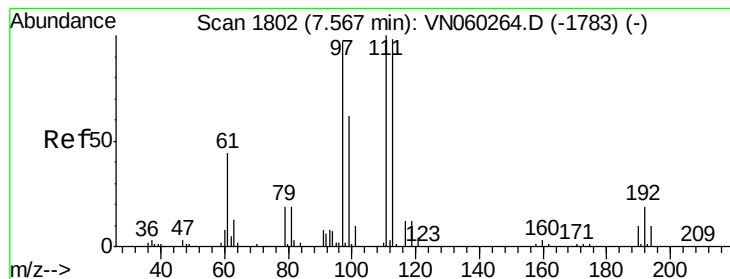
Tot Ion: 65 Resp: 123373
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion: 114 Resp: 328214
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 58.384 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

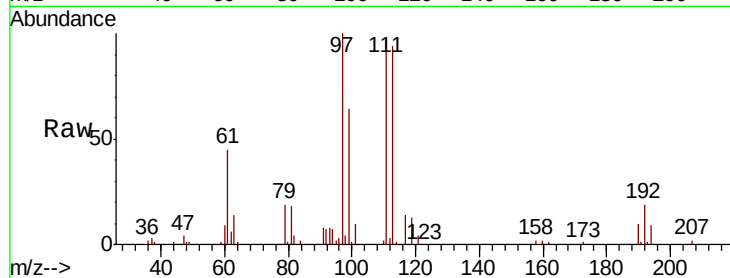
Tot Ion:113 Resp: 88946

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

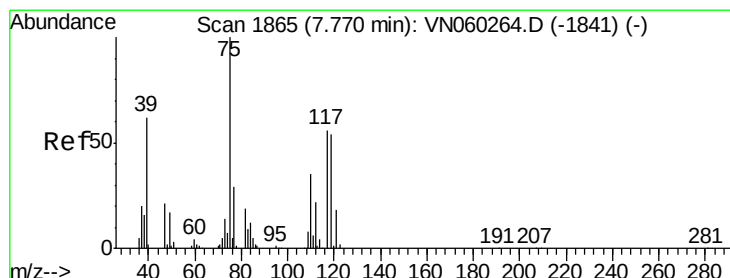
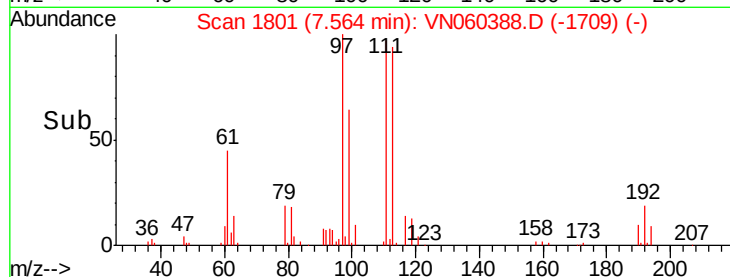
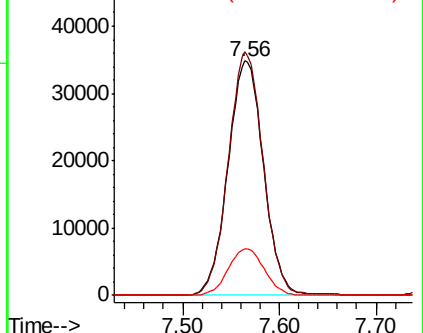
192 20.1 16.2 24.2



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: 43.362 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

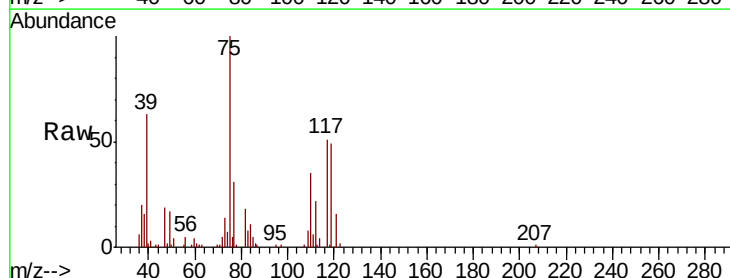
Tgt Ion: 75 Resp: 135637

Ion Ratio Lower Upper

75 100

110 33.9 17.3 52.0

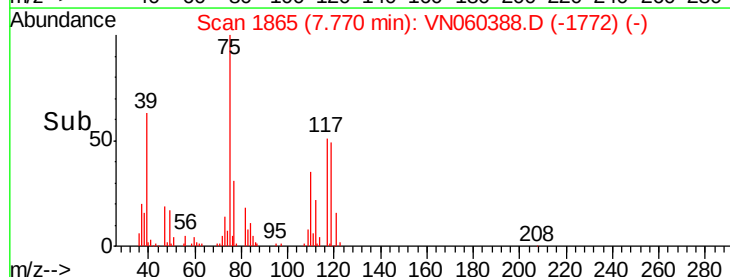
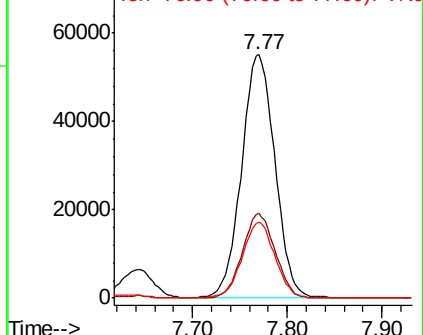
77 30.4 24.2 36.2

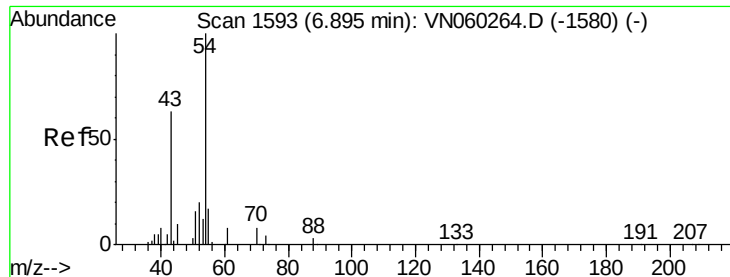


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

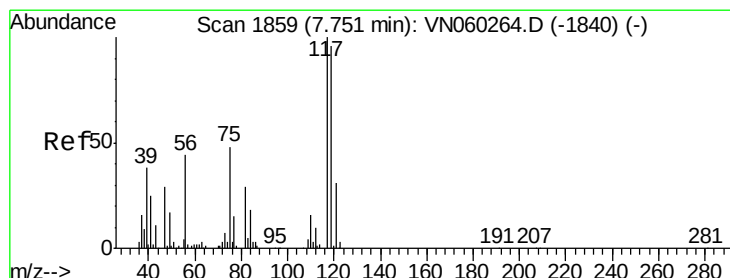
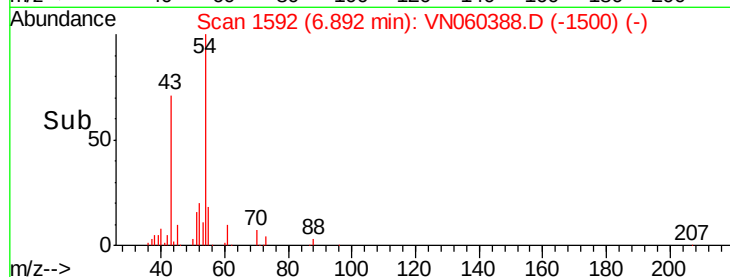
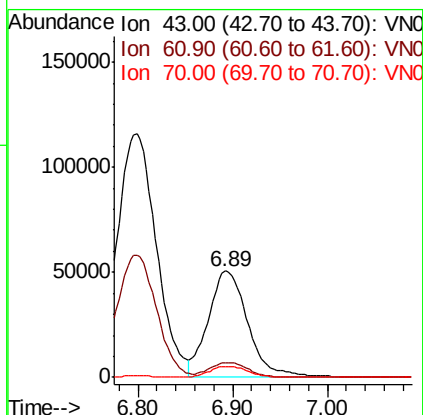
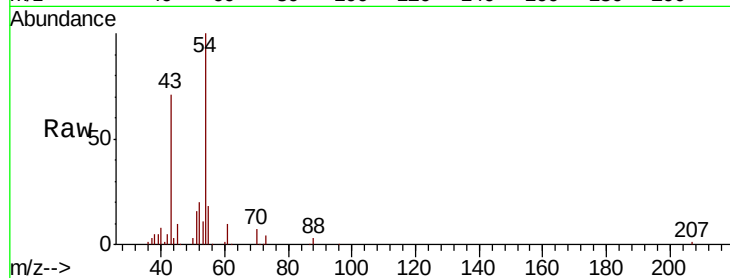




#37
Ethyl Acetate
Concen: 48.983 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

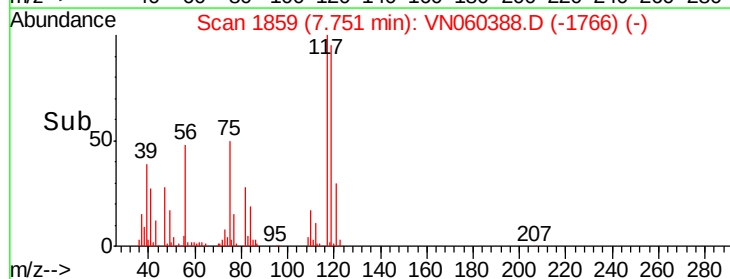
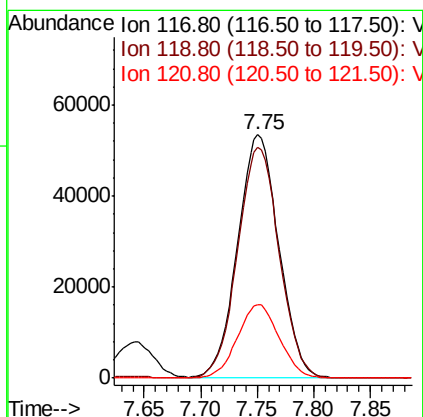
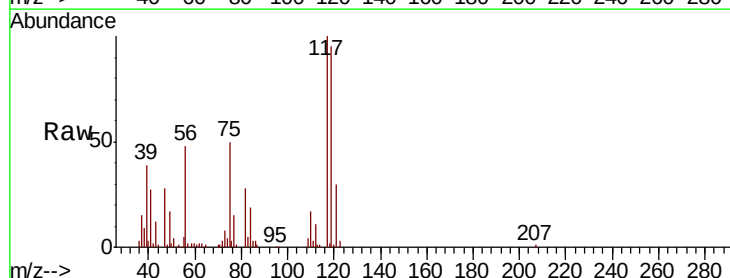
Instrument :
MSVOA_N
ClientSampled :

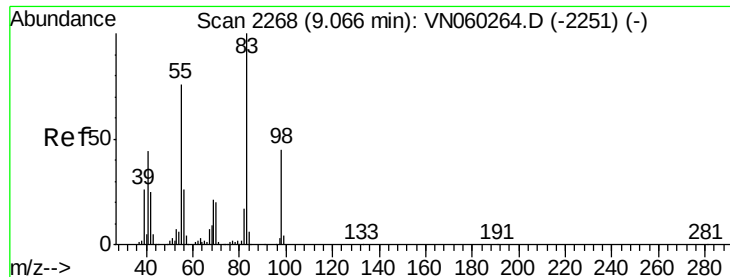
Tot Ion: 43 Resp: 145080
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 44.487 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 117 Resp: 135486
Ion Ratio Lower Upper
117 100
119 94.9 76.7 115.1
121 30.2 24.5 36.7

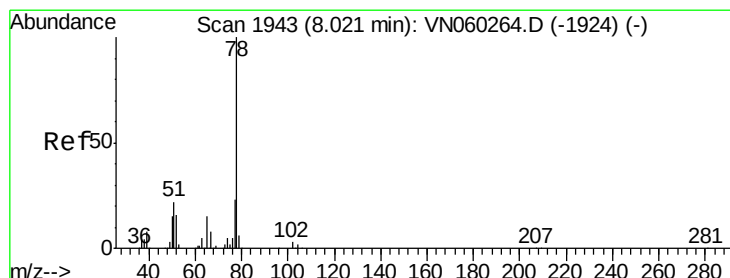
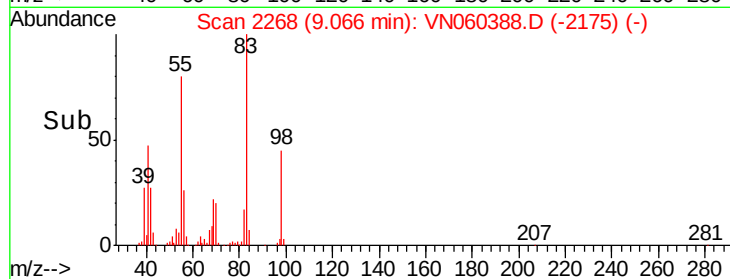
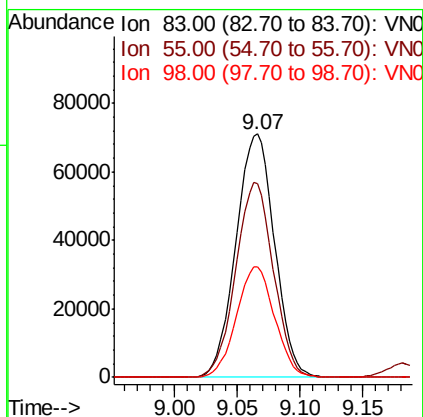
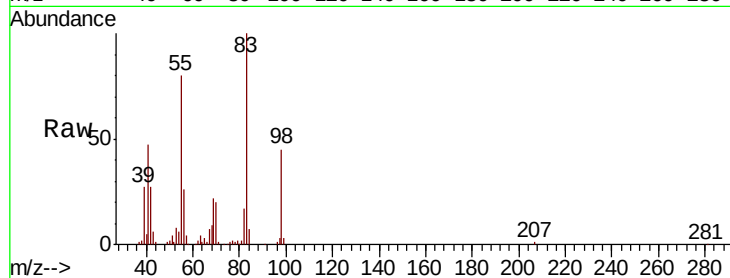




#39
Methylvlcyclohexane
Concen: 41.289 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

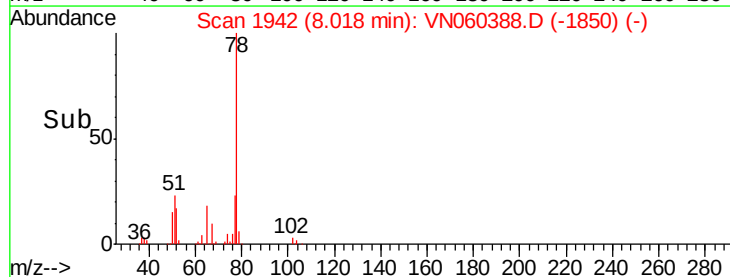
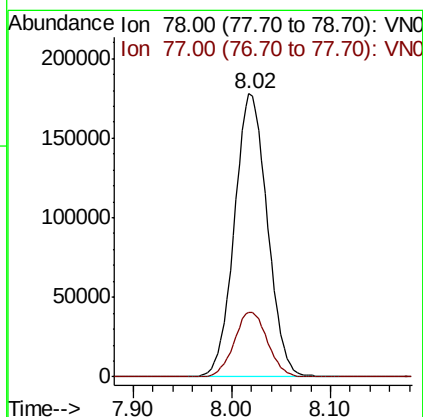
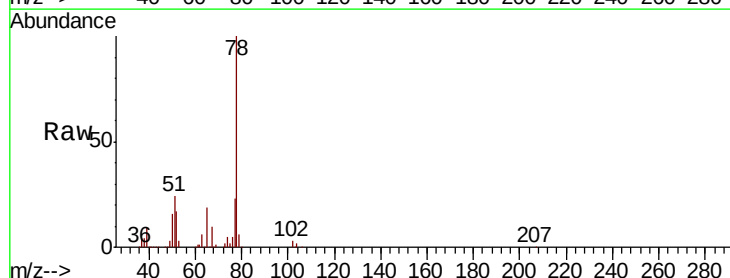
Instrument :
MSVOA_N
ClientSampleId :

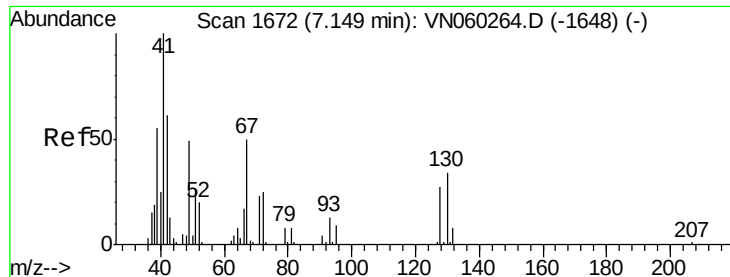
Tot Ion: 83 Resp: 152277
Ion Ratio Lower Upper
83 100
55 79.7 61.0 91.4
98 45.5 36.1 54.1



#40
Benzene
Concen: 45.245 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 78 Resp: 411926
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

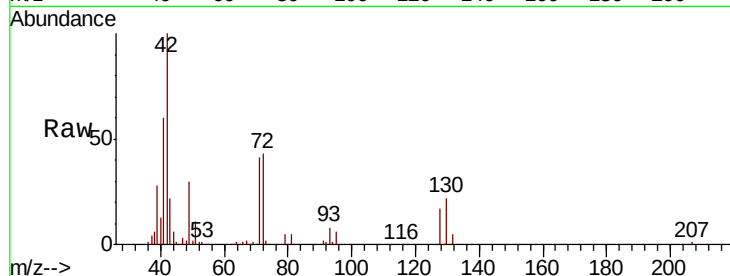




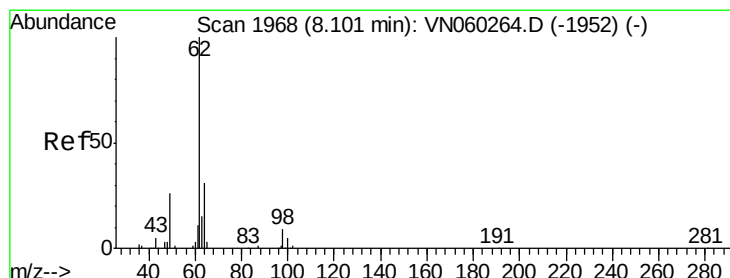
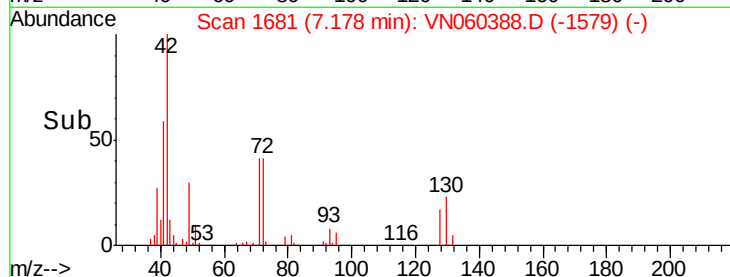
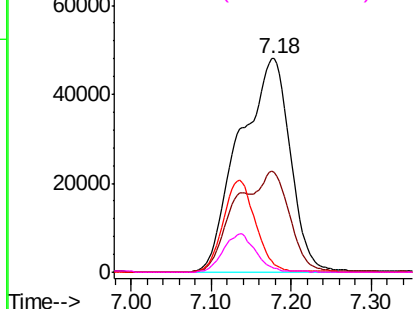
#41
Methacrylonitrile
Concen: 153.266 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	209607
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

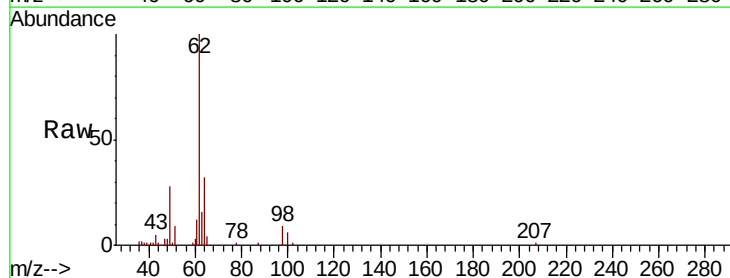


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

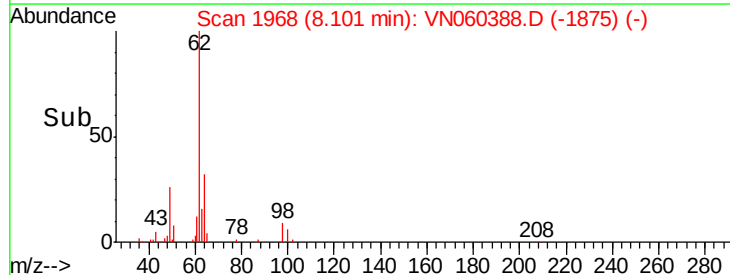
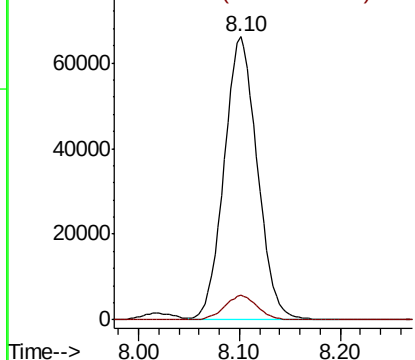


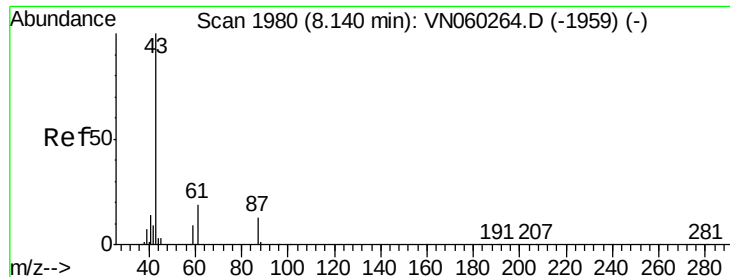
#42
1,2-Dichloroethane
Concen: 46.130 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion:	62	Resp:	151555
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 49.044 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

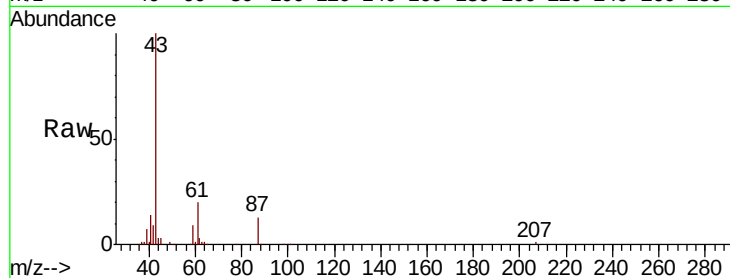
Tot Ion: 43 Resp: 254305

Ion Ratio Lower Upper

43 100

61 25.6 20.9 31.3

87 12.3 10.6 16.0



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

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

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

8.14

150000

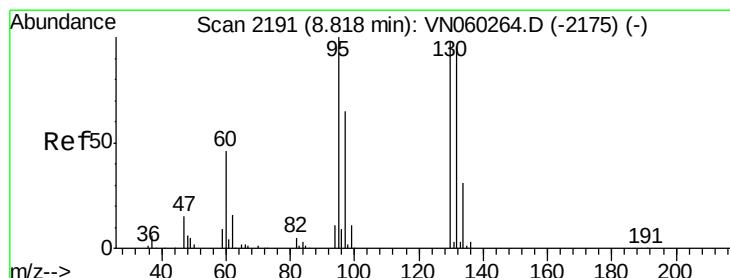
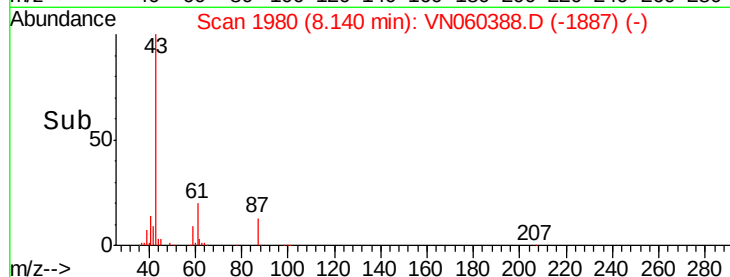
100000

50000

0

8.10 8.20

Time-->



#44

Trichloroethene

Concen: 43.936 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060388.D

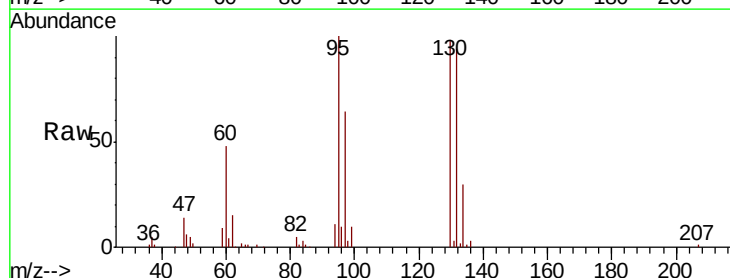
Acq: 6 Mar 2020 18:07

Tgt Ion:130 Resp: 111406

Ion Ratio Lower Upper

130 100

95 101.7 0.0 203.4



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

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

60000

50000

40000

30000

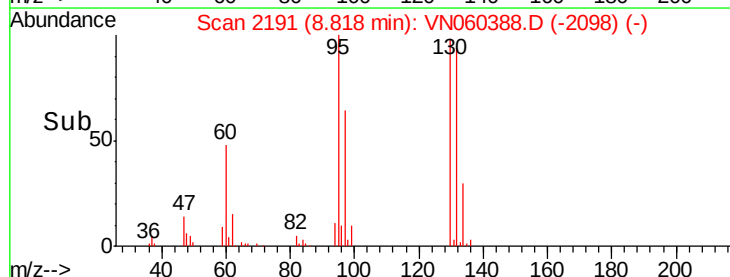
20000

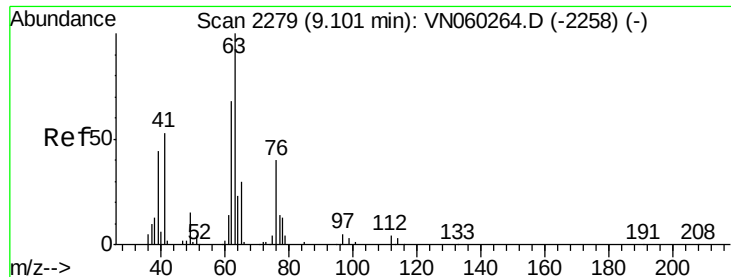
10000

0

8.75 8.80 8.85 8.90

Time-->

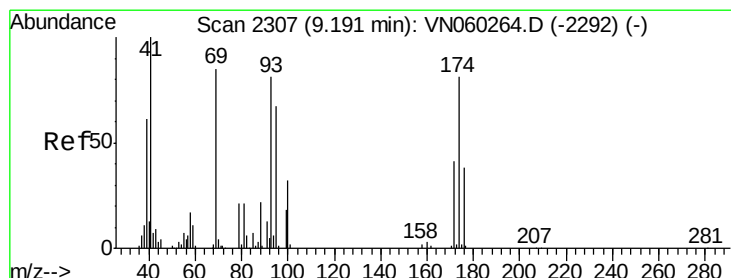
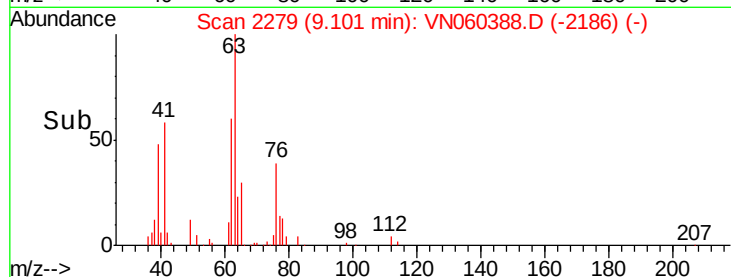
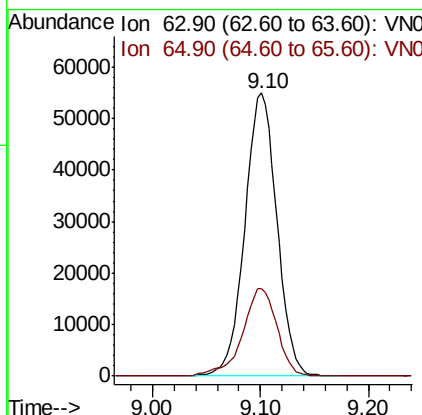
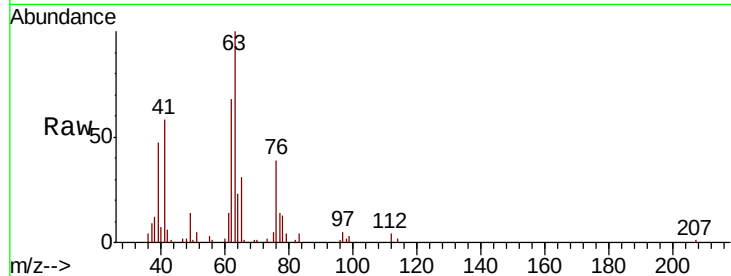




#45
 1,2-Dichloropropane
 Concen: 47.675 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

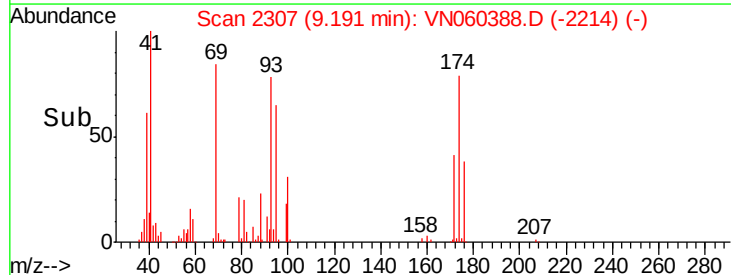
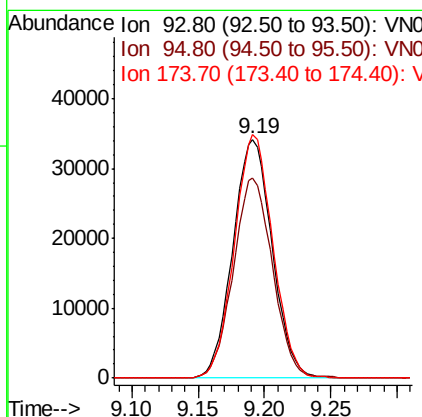
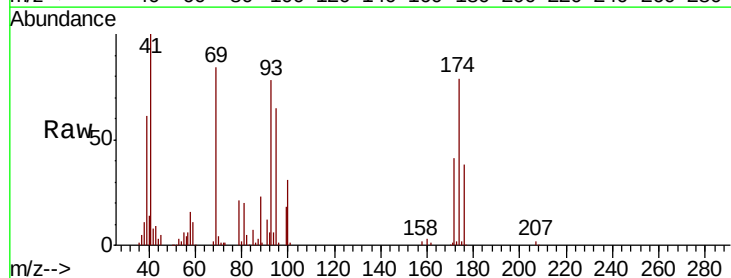
Instrument :
 MSVOA_N
 ClientSampleId :

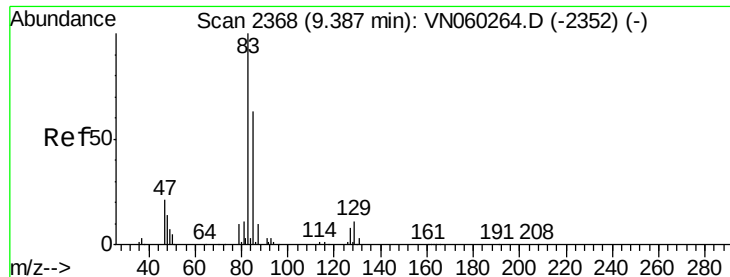
Tot Ion: 63 Resp: 113483
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.4 36.6



#46
 Dibromomethane
 Concen: 45.552 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion: 93 Resp: 70356
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.9 98.9
 174 99.7 79.6 119.4





#47

Bromodichloromethane

Concen: 47.563 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

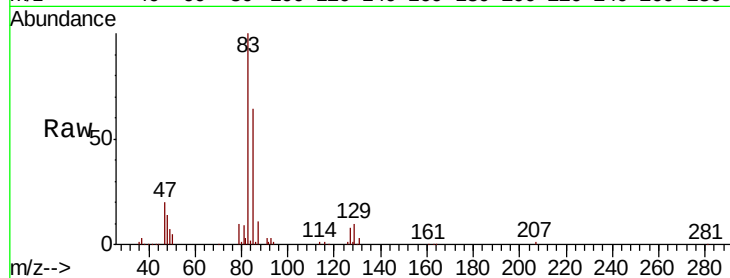
Tot Ion: 83 Resp: 149412

Ion Ratio Lower Upper

83 100

85 64.3 50.7 76.1

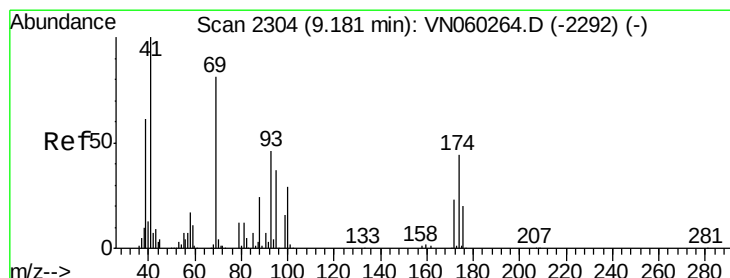
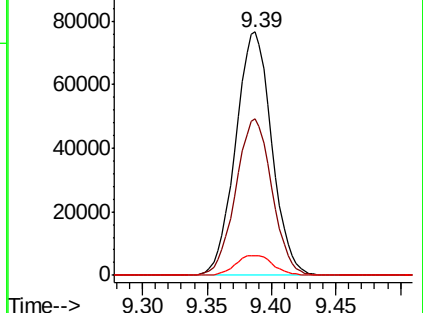
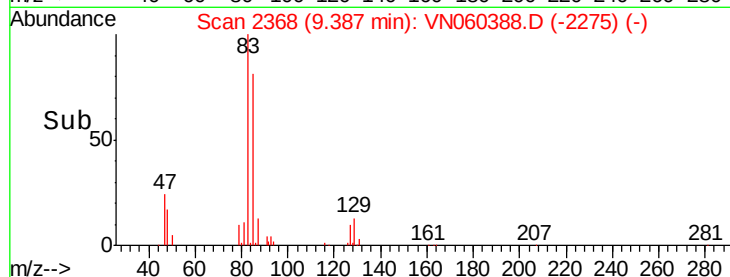
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060388.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060388.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060388.D (-2275) (-)



#48

Methyl methacrylate

Concen: 46.961 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

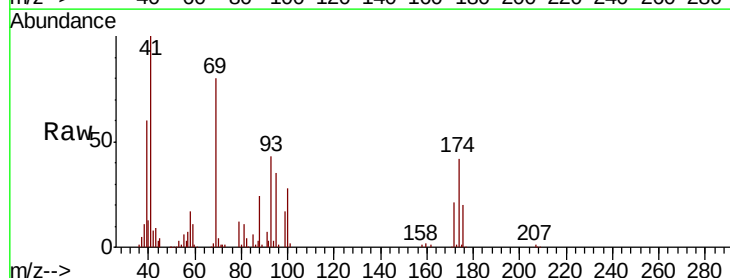
Tgt Ion: 41 Resp: 111040

Ion Ratio Lower Upper

41 100

69 83.9 66.7 100.1

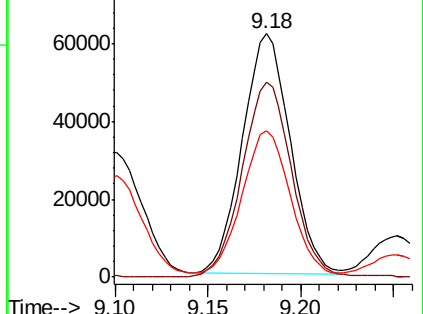
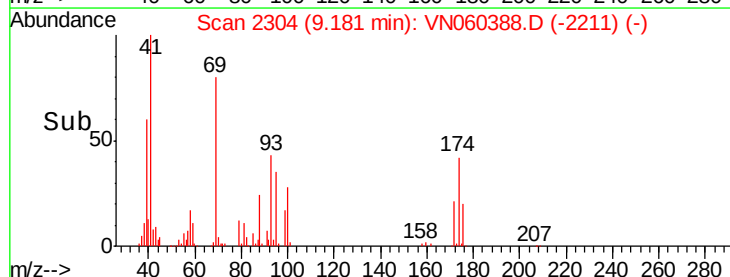
39 62.9 50.1 75.1

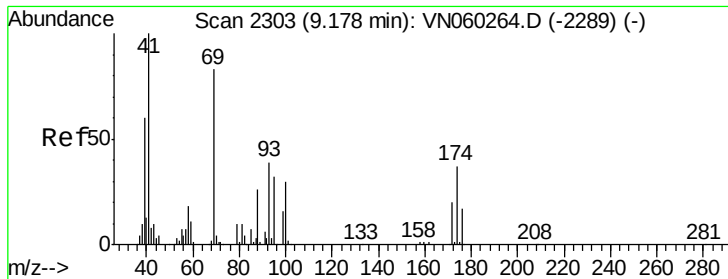


Abundance Ion 41.00 (40.70 to 41.70): VN060388.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060388.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060388.D (-2211) (-)

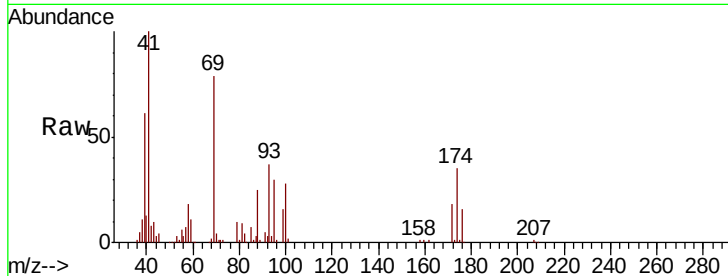




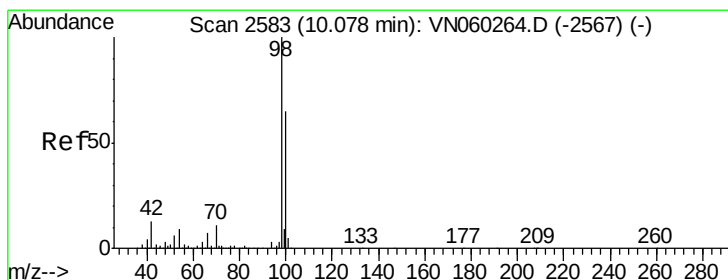
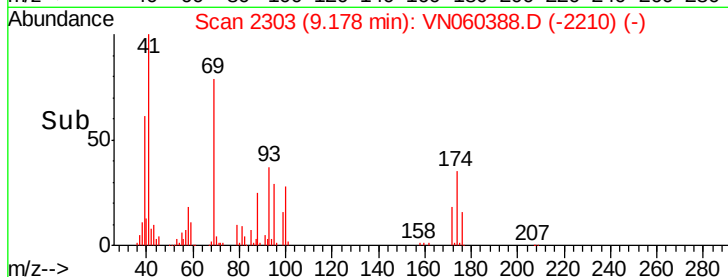
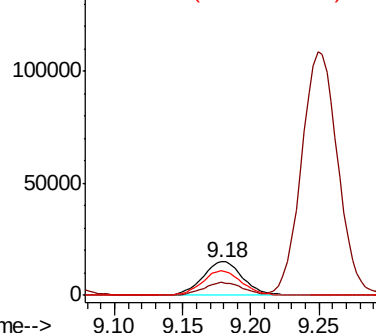
#49
1,4-Dioxane
Concen: 930.504 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 30941
Ion Ratio Lower Upper
88 100
43 36.9 30.4 45.6
58 72.1 57.0 85.6

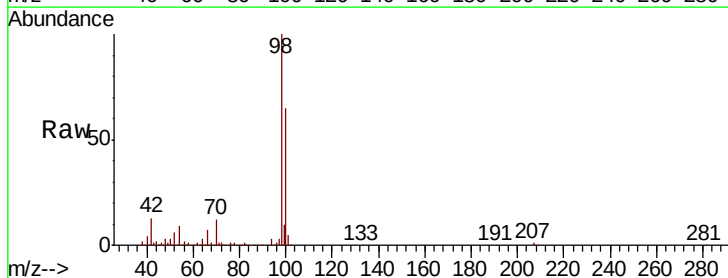


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

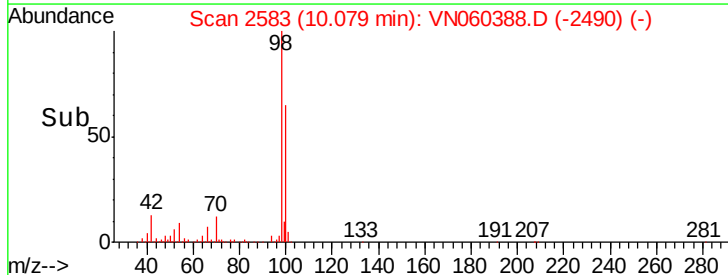
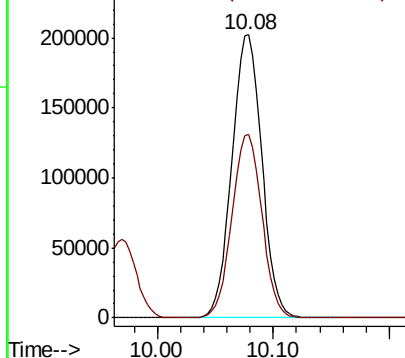


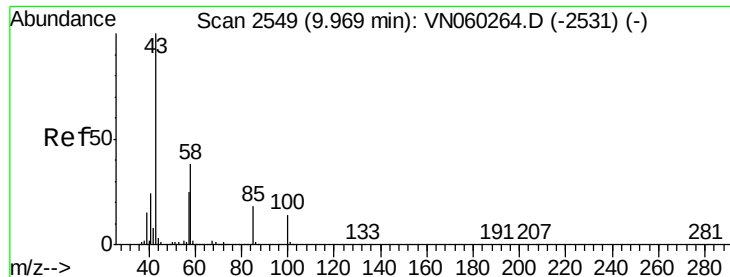
#50
Toluene-d8
Concen: 46.952 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 98 Resp: 362022
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



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

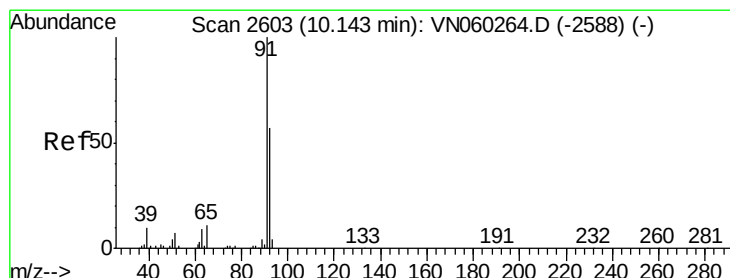
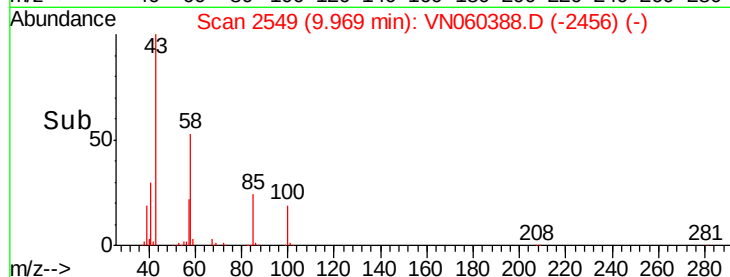
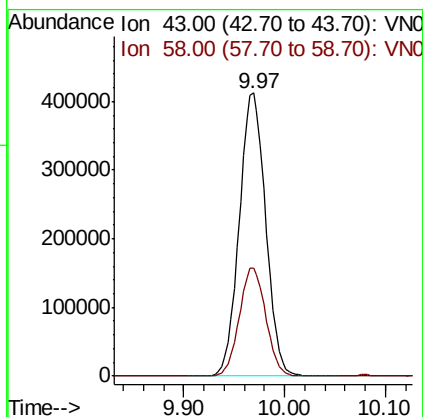
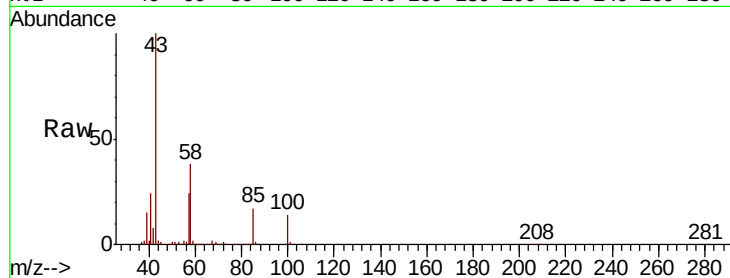




#51
 4-Methyl-2-Pentanone
 Concen: 253.518 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

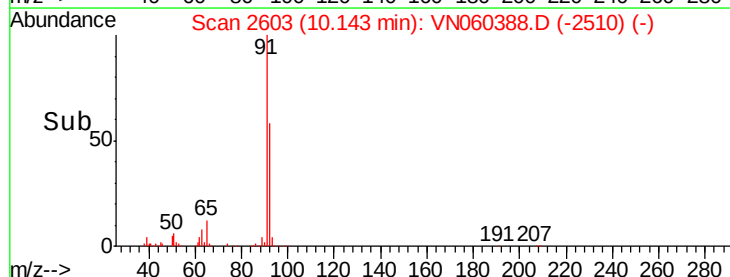
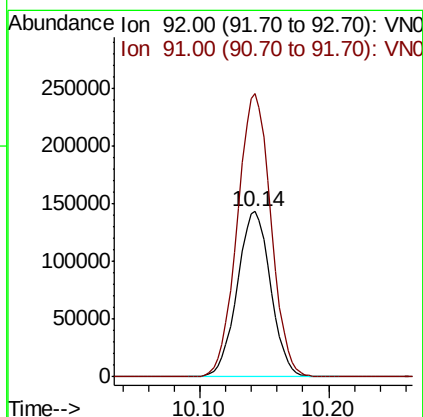
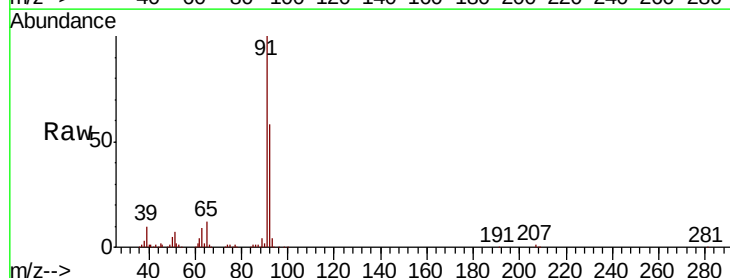
Instrument :
 MSVOA_N
 ClientSampled :

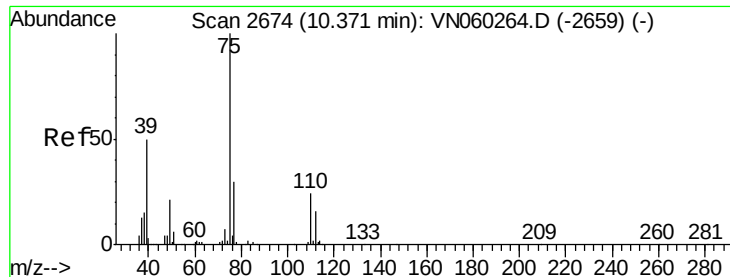
Tot Ion: 43 Resp: 745328
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3



#52
 Toluene
 Concen: 45.167 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion: 92 Resp: 258310
 Ion Ratio Lower Upper
 92 100
 91 172.8 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 45.275 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

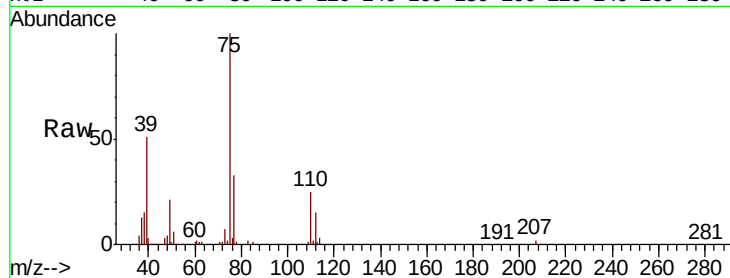
ClientSampled :

Tot Ion: 75 Resp: 174271

Ion Ratio Lower Upper

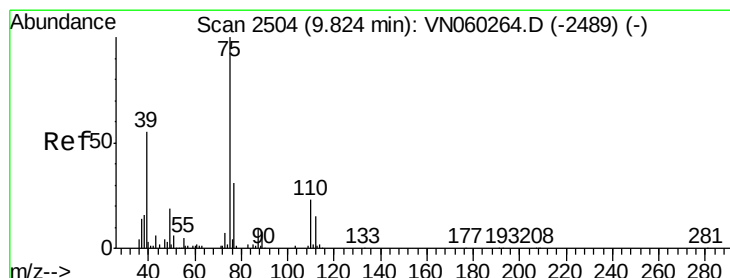
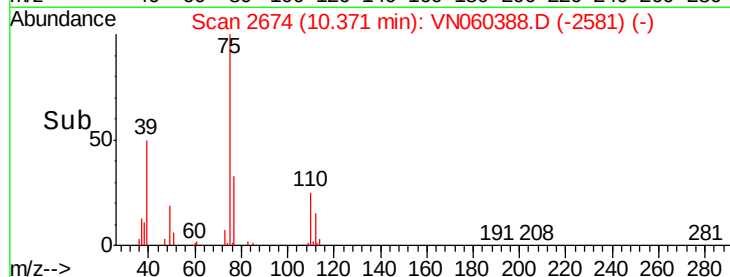
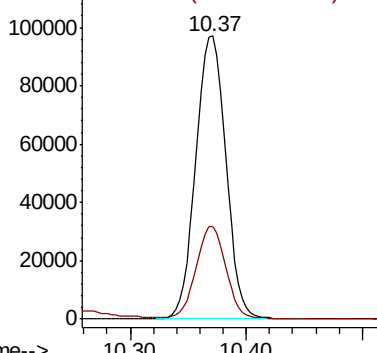
75 100

77 32.5 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 45.945 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

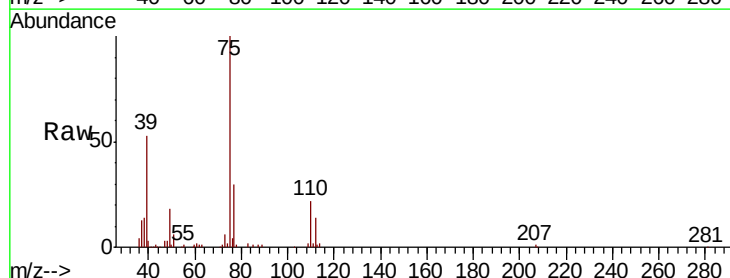
Tgt Ion: 75 Resp: 183255

Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

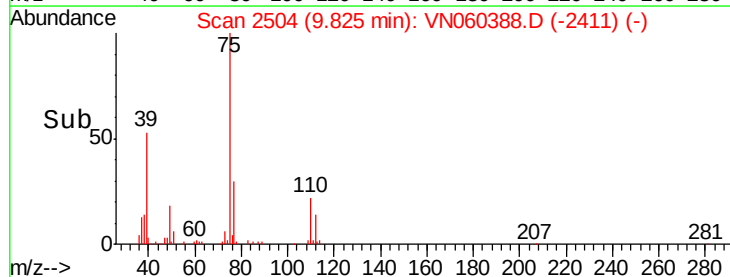
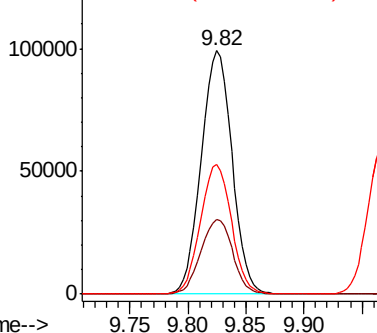
39 53.4 43.8 65.8

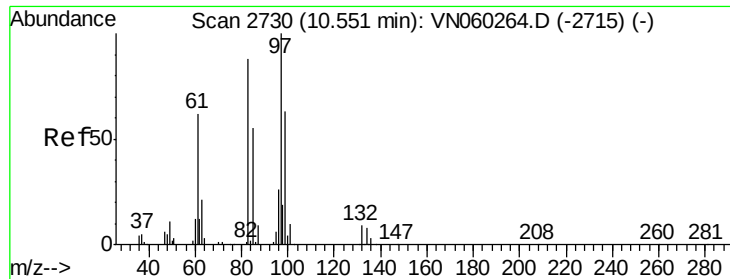


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

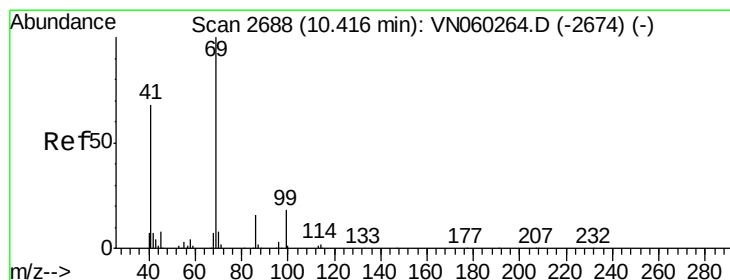
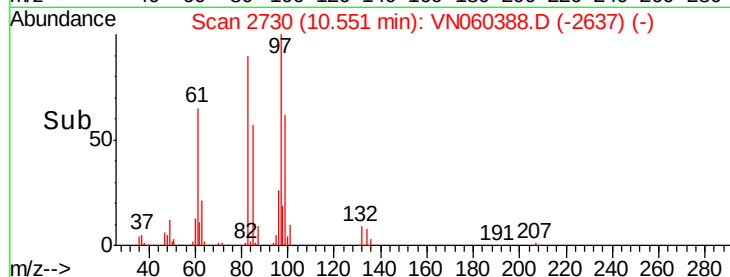
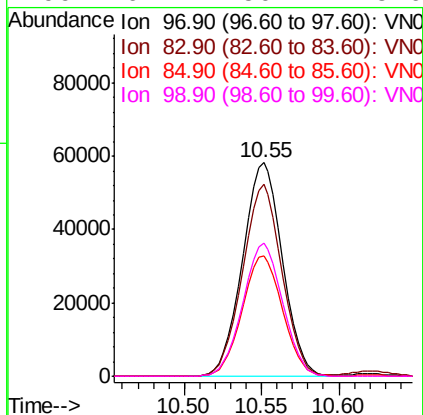
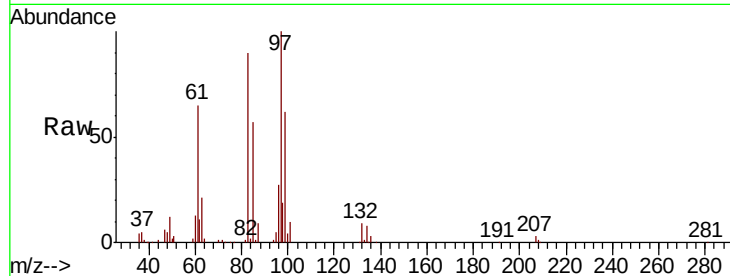




#55
 1,1,2-Trichloroethane
 Concen: 45.426 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

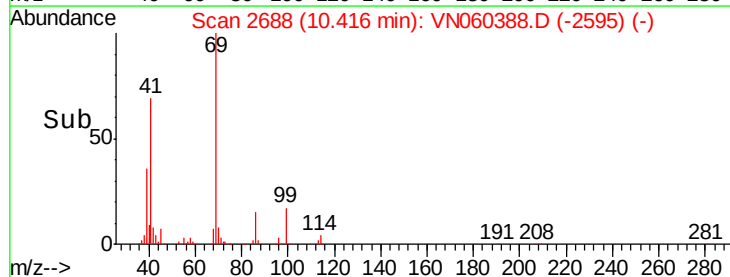
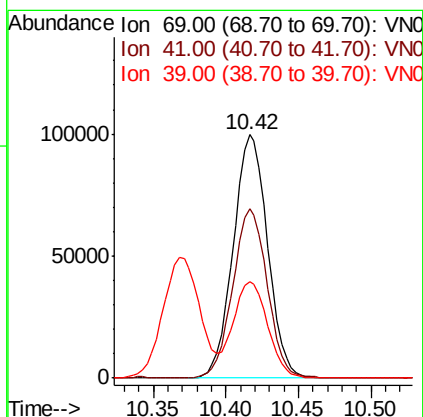
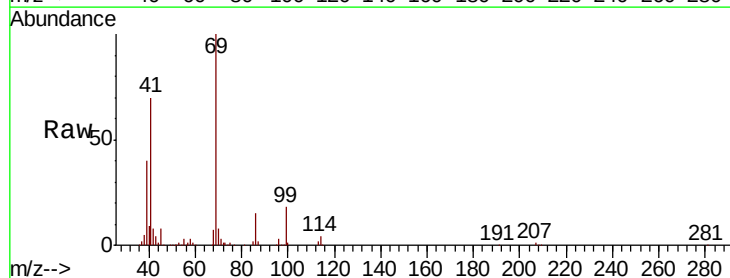
Instrument :
 MSVOA_N
 ClientSampled :

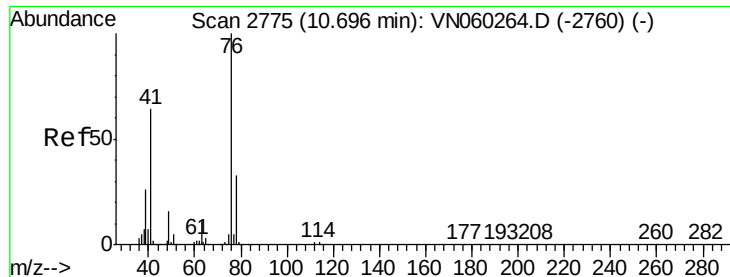
Tot Ion: 97 Resp: 104473
 Ion Ratio Lower Upper
 97 100
 83 89.8 70.0 105.0
 85 56.6 44.0 66.0
 99 62.1 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 49.565 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion: 69 Resp: 163769
 Ion Ratio Lower Upper
 69 100
 41 69.4 54.1 81.1
 39 40.2 32.5 48.7





#57

1,3-Dichloropropane

Concen: 47.224 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

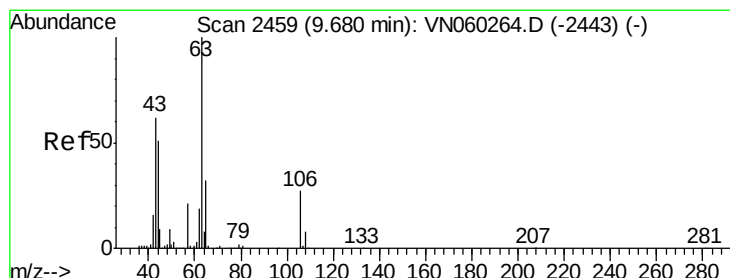
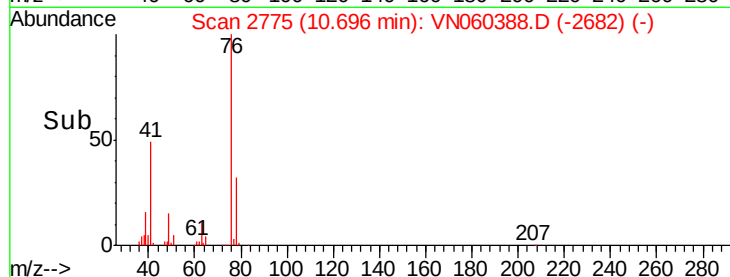
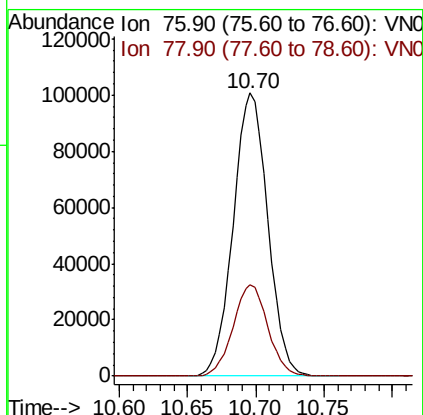
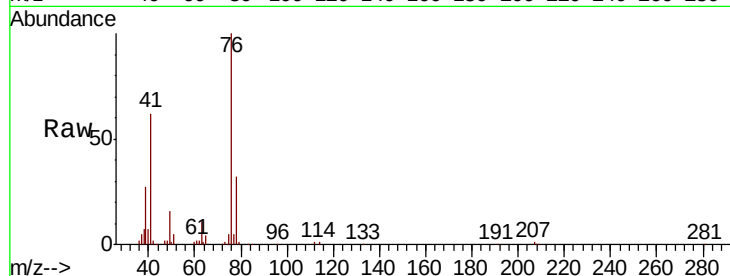
ClientSampleId :

Tot Ion: 76 Resp: 177121

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 248.714 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060388.D

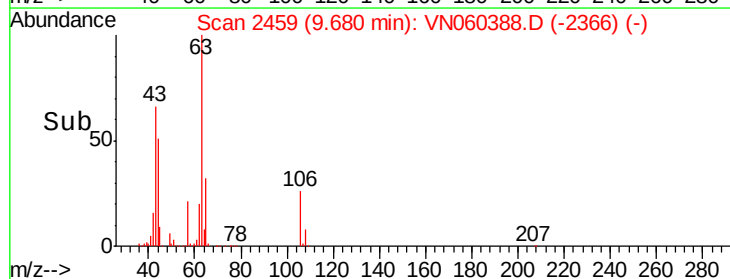
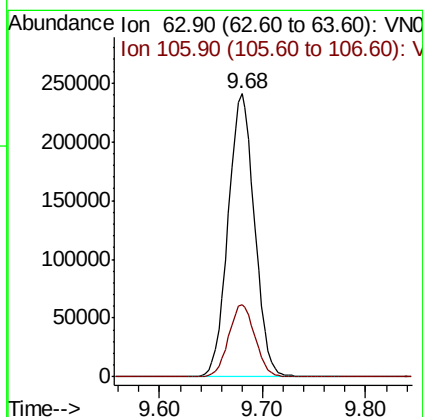
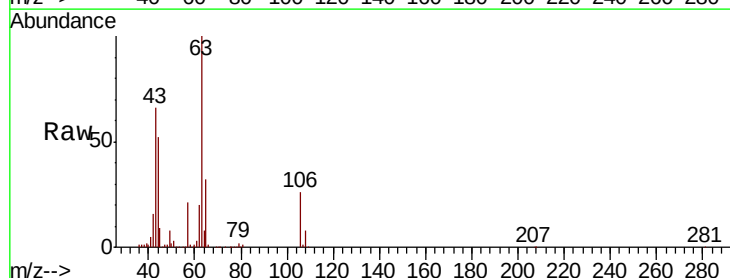
Acq: 6 Mar 2020 18:07

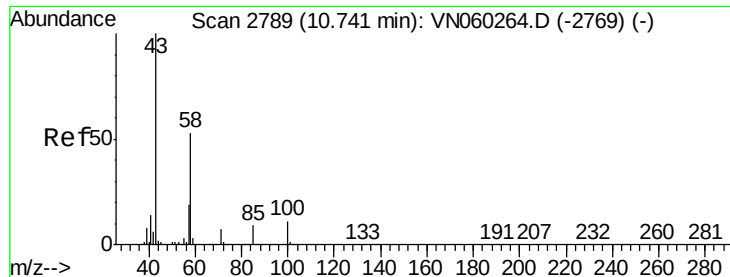
Tgt Ion: 63 Resp: 429796

Ion Ratio Lower Upper

63 100

106 25.5 21.1 31.7

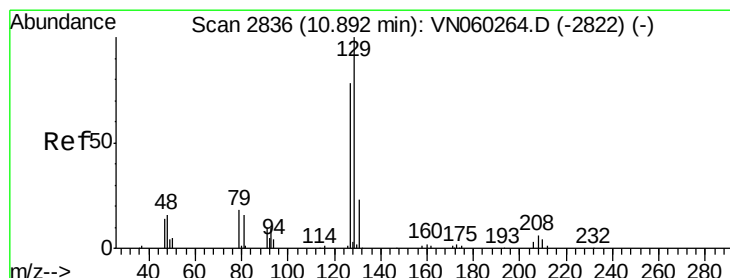
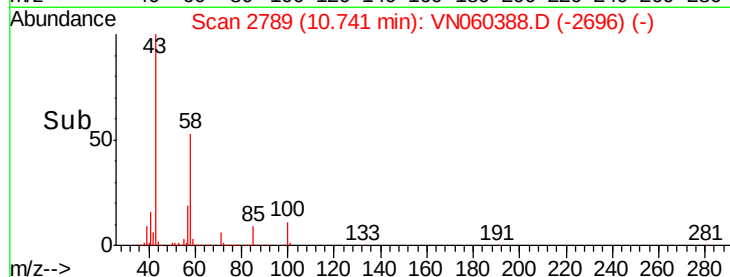
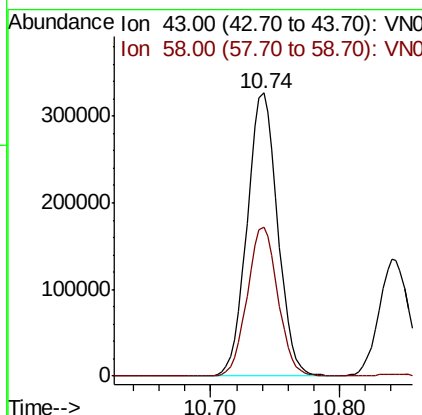
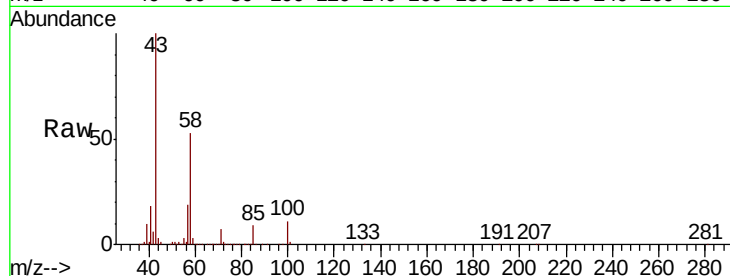




#59
2-Hexanone
Concen: 250.190 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

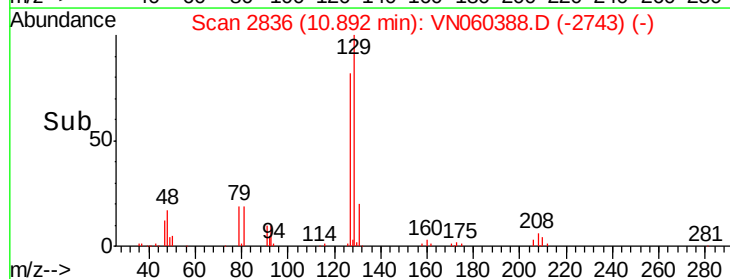
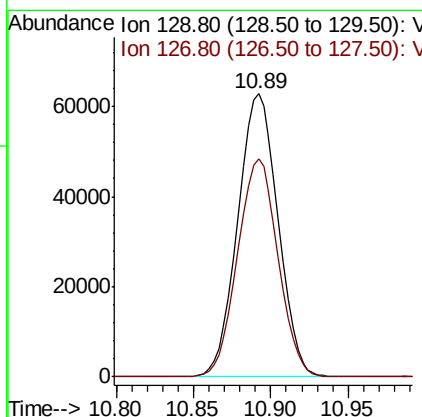
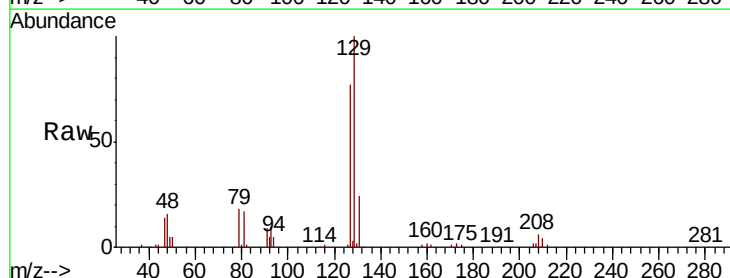
Instrument :
MSVOA_N
ClientSampled :

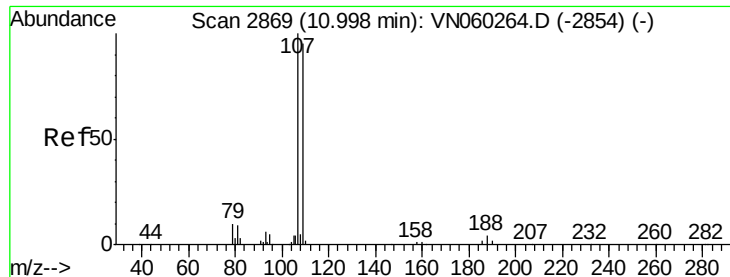
Tot Ion: 43 Resp: 540055
Ion Ratio Lower Upper
43 100
58 52.8 26.5 79.5



#60
Dibromochloromethane
Concen: 48.653 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 129 Resp: 113794
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7

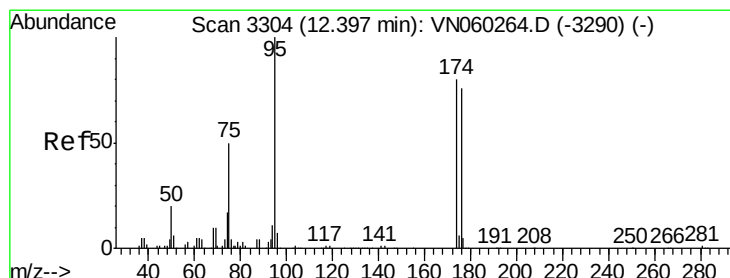
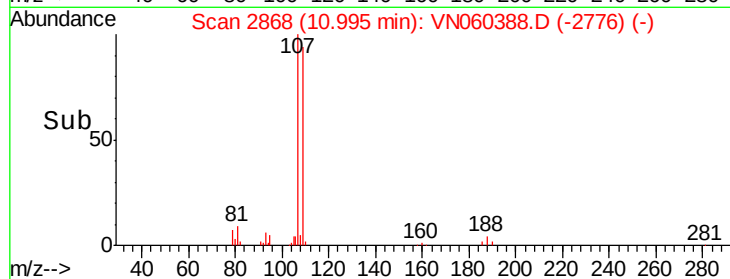
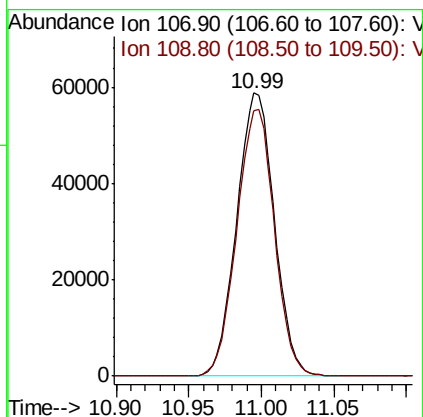
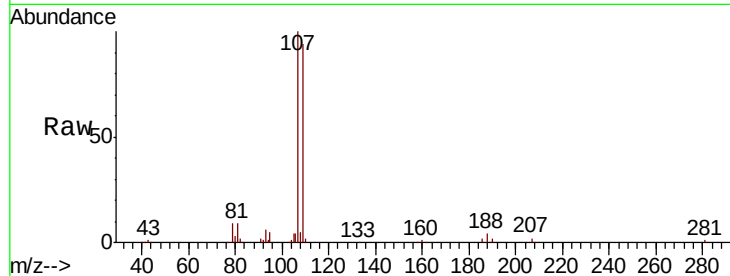




#61
 1,2-Dibromoethane
 Concen: 47.394 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

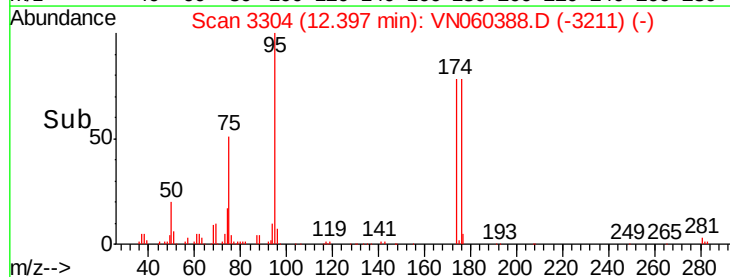
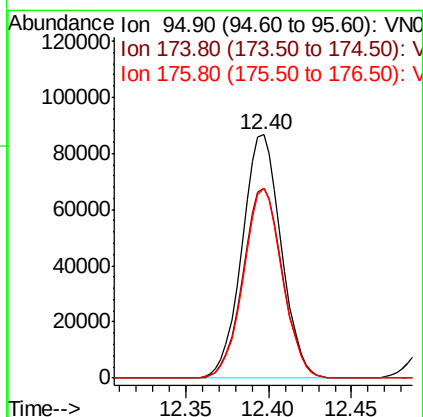
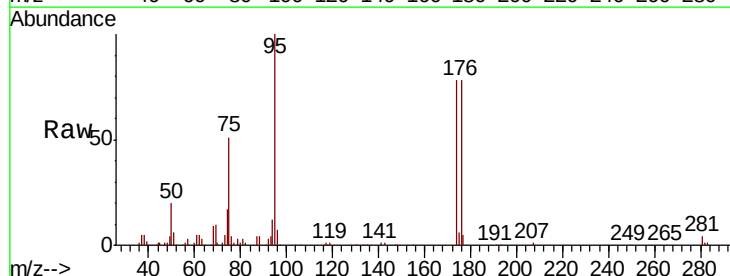
Instrument :
 MSVOA_N
 ClientSampleId :

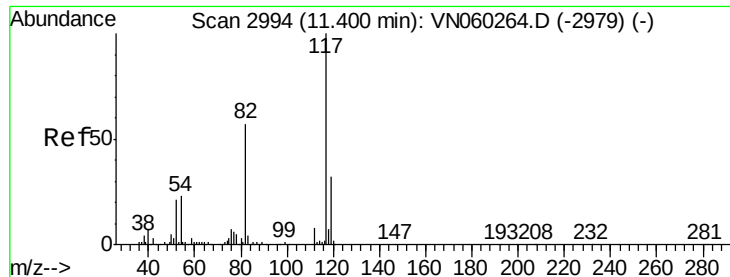
Tot Ion:107 Resp: 106255
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.428 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion: 95 Resp: 141547
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 159.2
 176 77.2 0.0 153.8

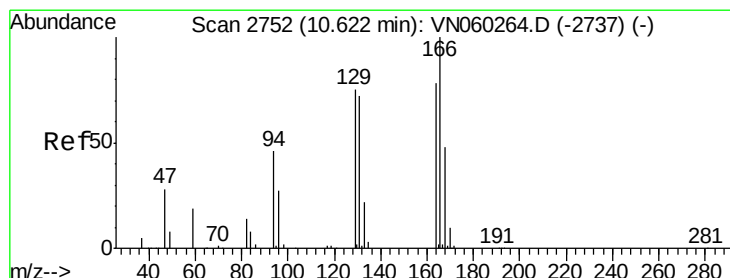
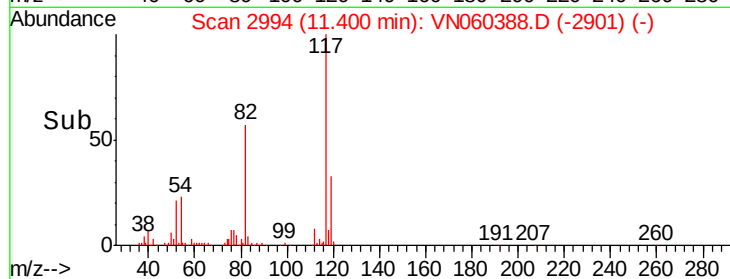
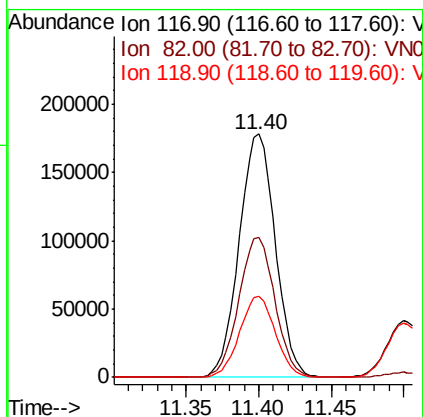
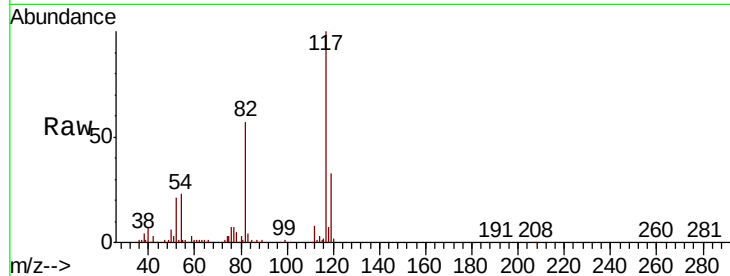




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

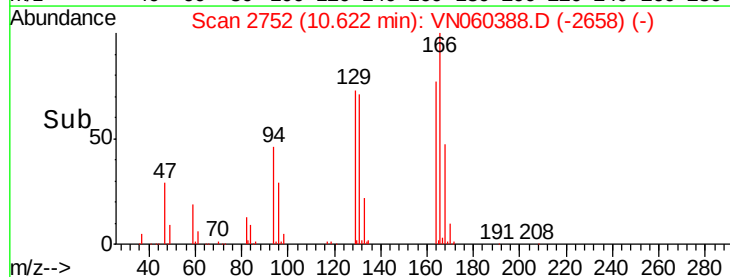
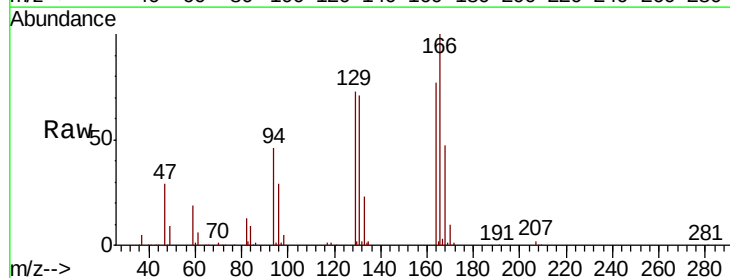
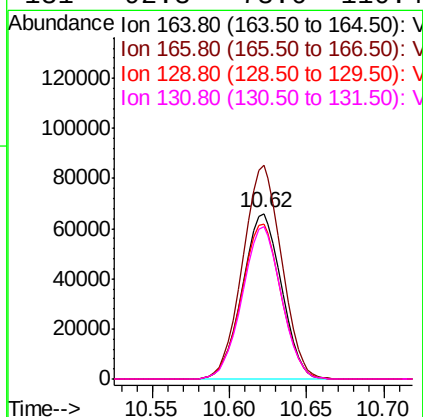
Instrument :
MSVOA_N
ClientSampled :

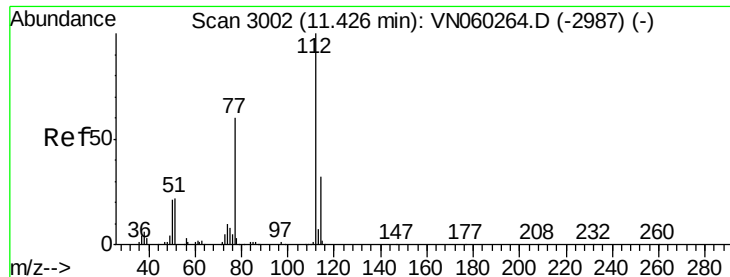
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.8	68.6
119	33.2	25.8	38.8



#64
Tetrachloroethene
Concen: 47.732 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.0	153.0
129	93.9	76.4	114.6
131	92.3	73.6	110.4

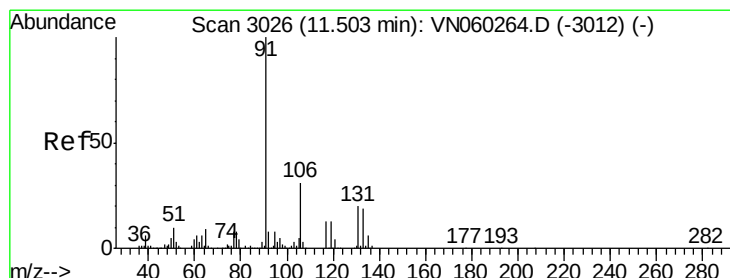
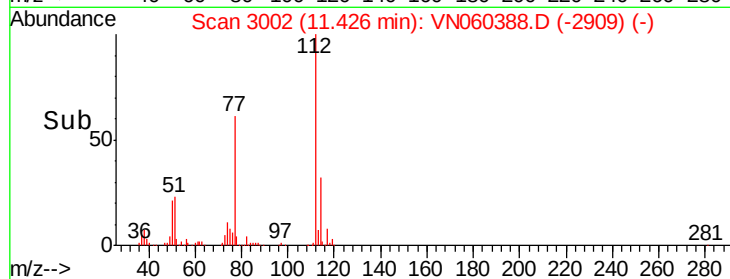
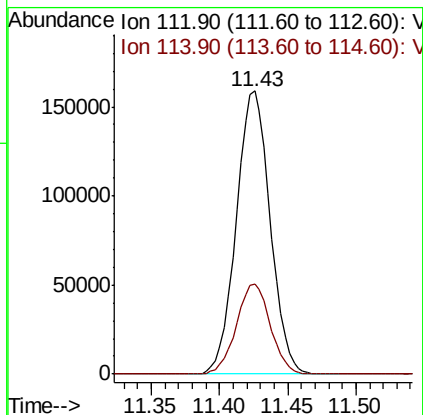
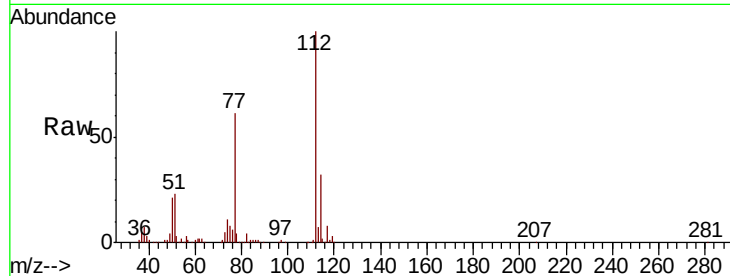




#65
Chlorobenzene
Concen: 43.787 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

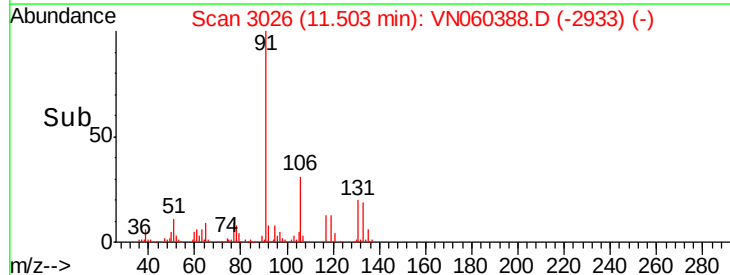
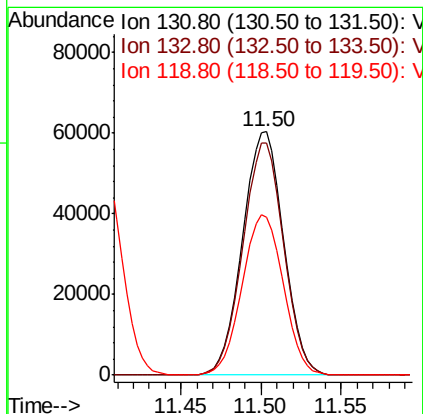
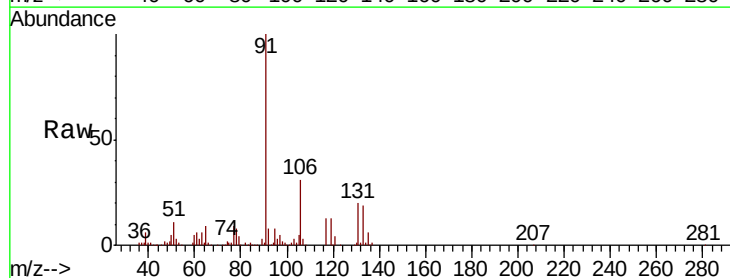
Instrument :
MSVOA_N
ClientSampled :

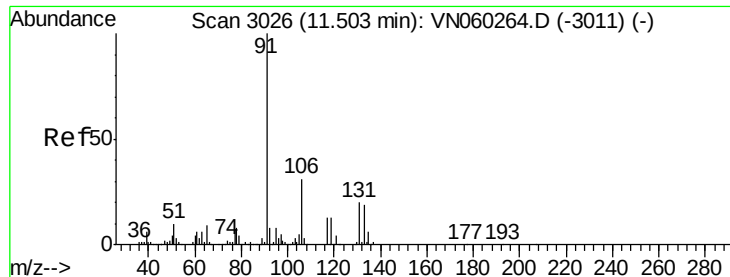
Tot Ion:112 Resp: 273489
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 45.803 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion:131 Resp: 105778
Ion Ratio Lower Upper
131 100
133 95.0 47.7 143.1
119 66.0 33.2 99.6





#67

Ethyl Benzene

Concen: 44.529 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

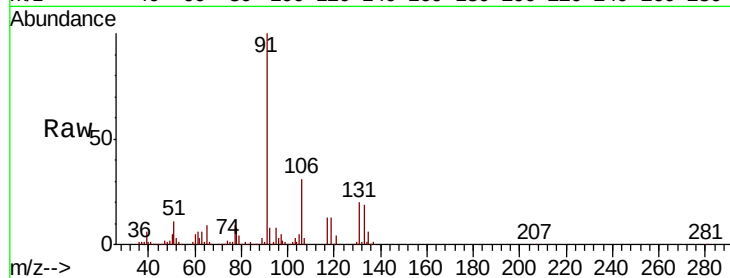
ClientSampled :

Tot Ion: 91 Resp: 506487

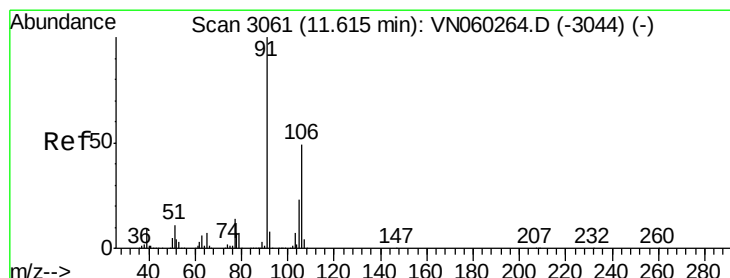
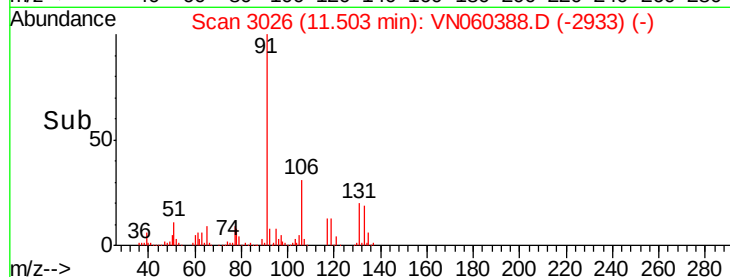
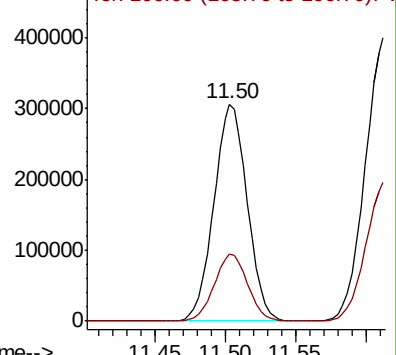
Ion Ratio Lower Upper

91 100

106 30.8 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060388.D (-2933) (-)



#68

m/p-Xylenes

Concen: 87.314 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060388.D

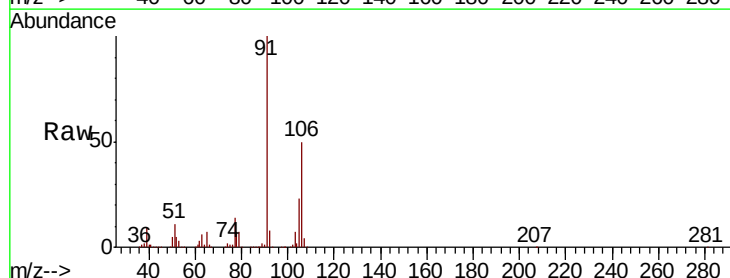
Acq: 6 Mar 2020 18:07

Tgt Ion: 106 Resp: 374704

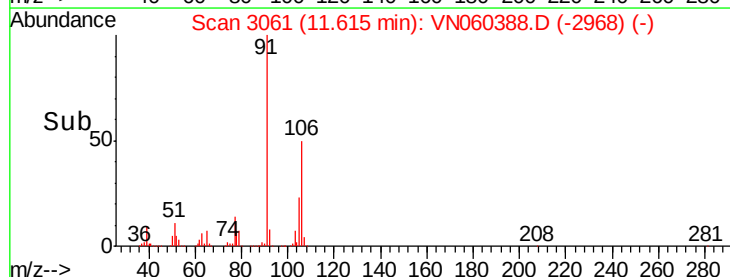
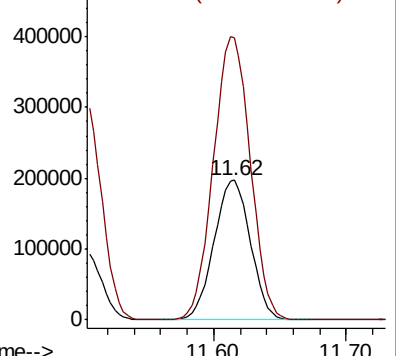
Ion Ratio Lower Upper

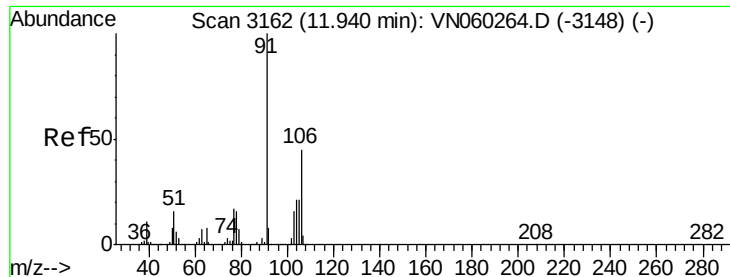
106 100

91 206.1 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060388.D (-2968) (-)

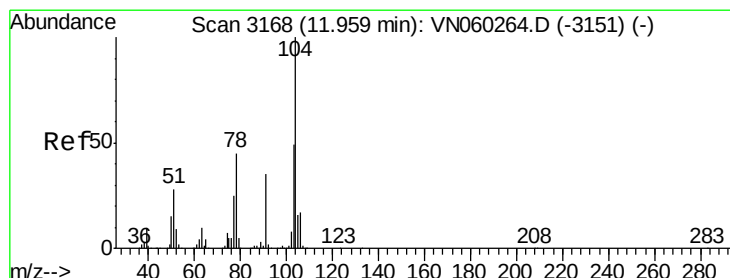
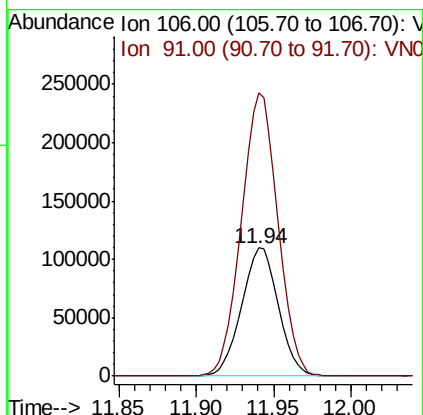
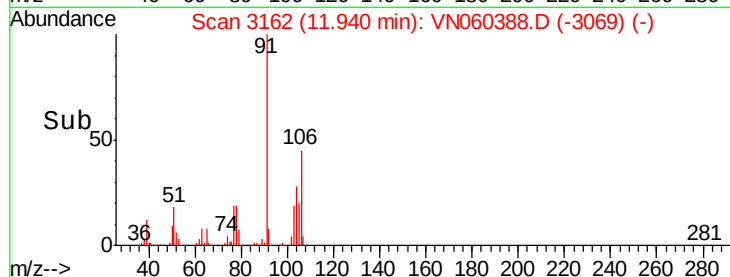
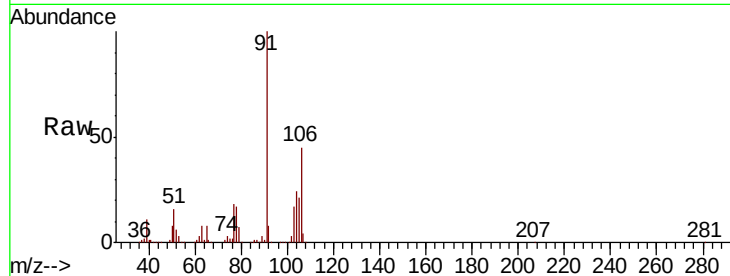




#69
o-Xylene
Concen: 44.372 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

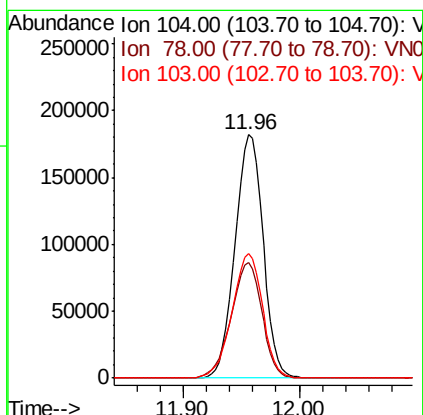
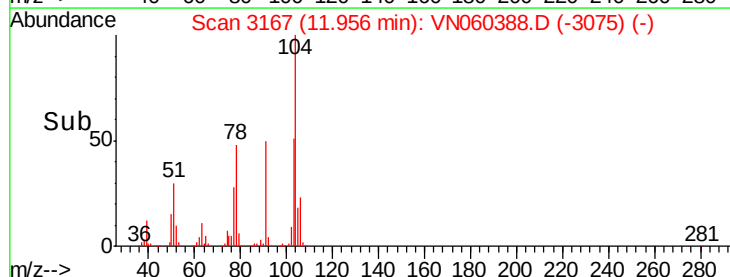
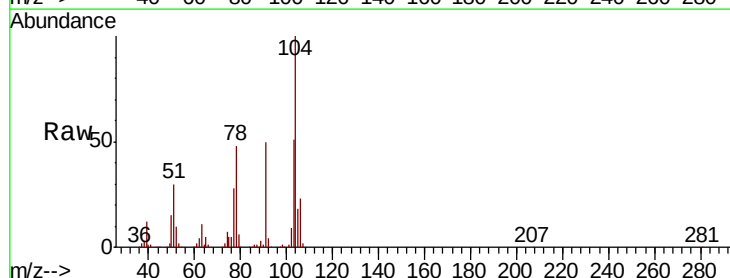
Instrument :
MSVOA_N
ClientSampled :

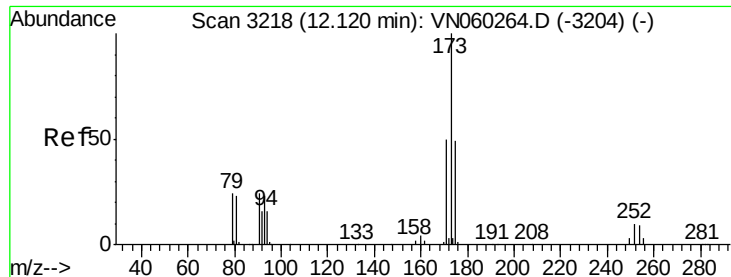
Tot Ion:106 Resp: 181583
Ion Ratio Lower Upper
106 100
91 219.7 109.5 328.4



#70
Styrene
Concen: 45.434 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion:104 Resp: 305688
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 48.683 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

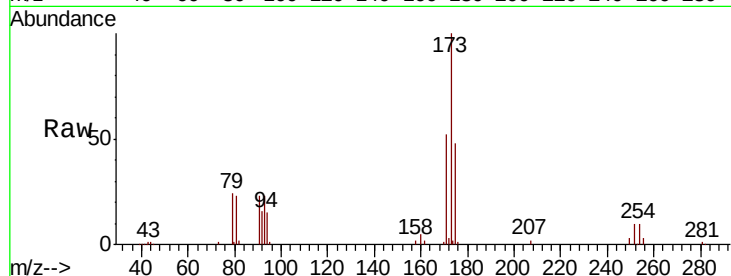
Tot Ion:173 Resp: 81029

Ion Ratio Lower Upper

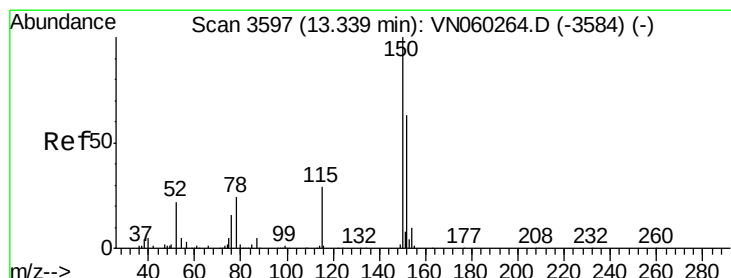
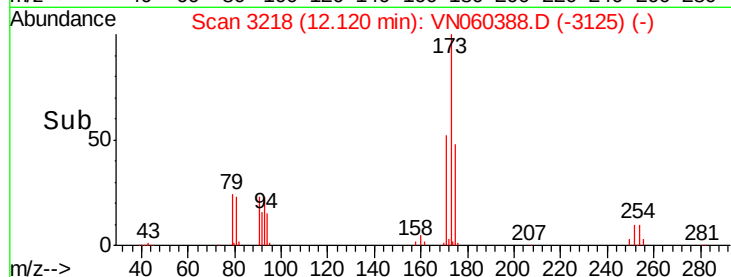
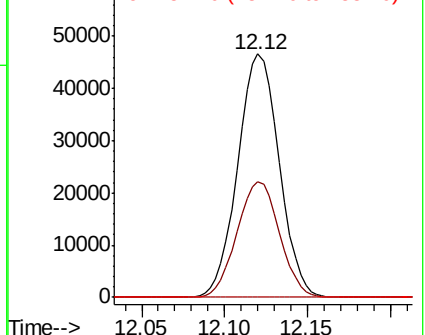
173 100

175 48.5 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: VN060388.D

Acq: 6 Mar 2020 18:07

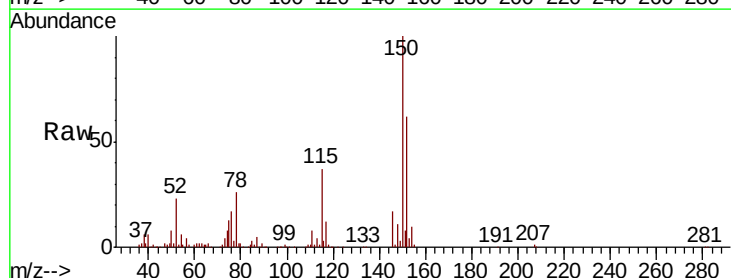
Tgt Ion:152 Resp: 152885

Ion Ratio Lower Upper

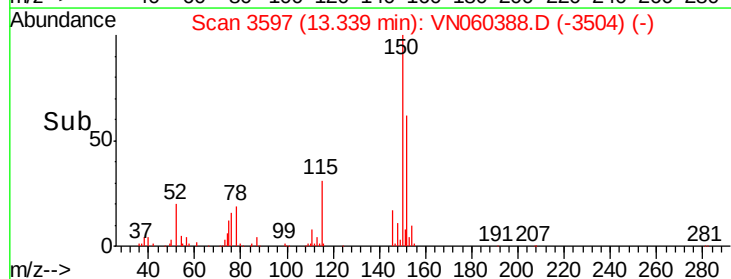
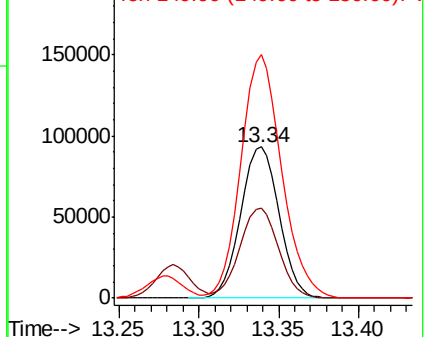
152 100

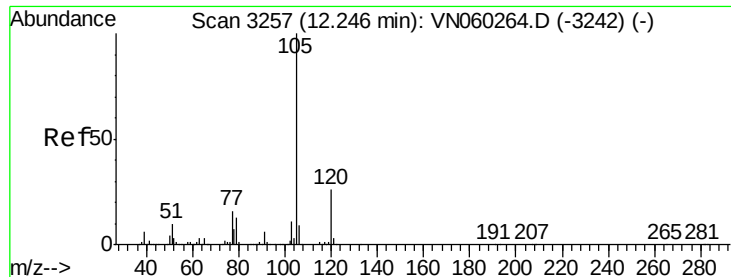
115 59.9 30.0 90.0

150 171.0 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: 43.558 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

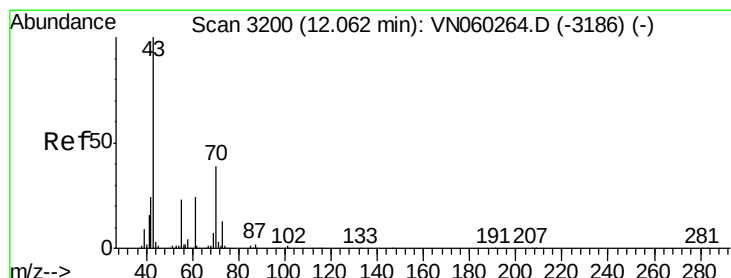
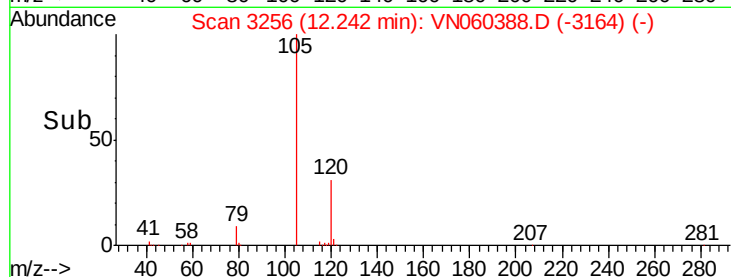
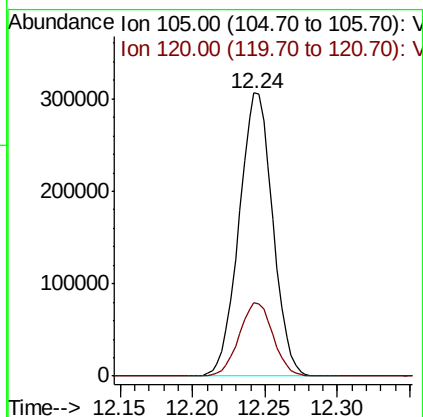
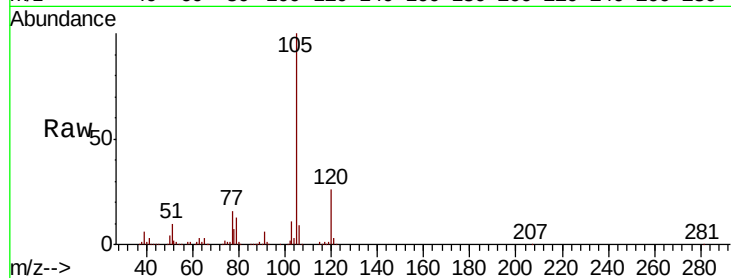
ClientSampleId :

Tot Ion:105 Resp: 493581

Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9



#74

N-ethyl acetate

Concen: 46.050 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion: 43 Resp: 228023

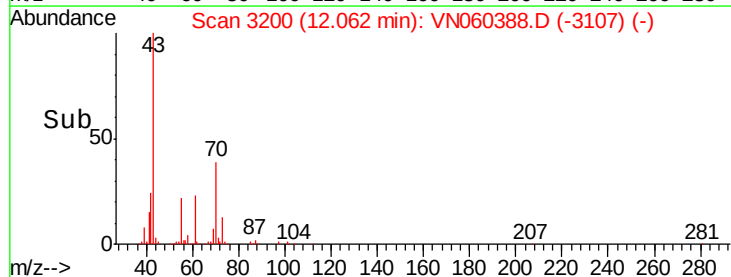
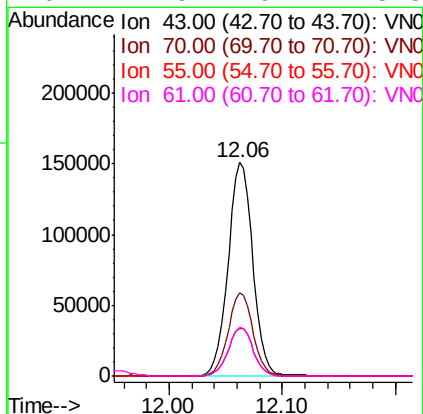
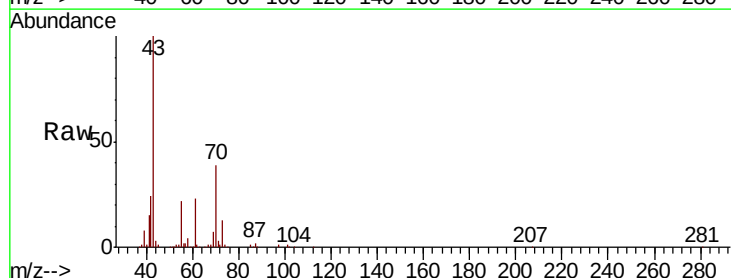
Ion Ratio Lower Upper

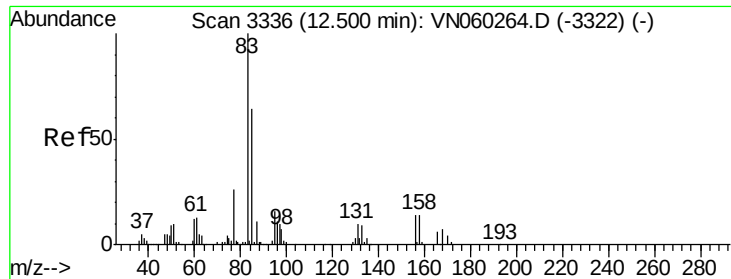
43 100

70 39.1 32.2 48.2

55 22.9 18.2 27.4

61 22.9 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.142 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

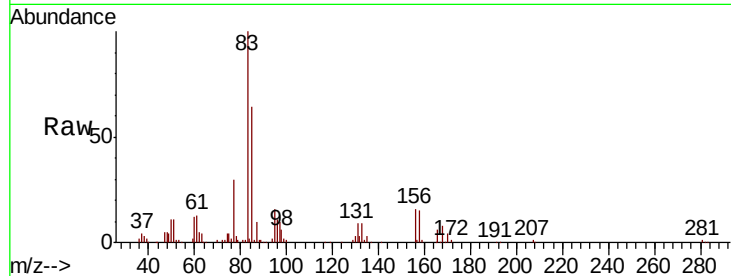
Tot Ion: 83 Resp: 145209

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.3

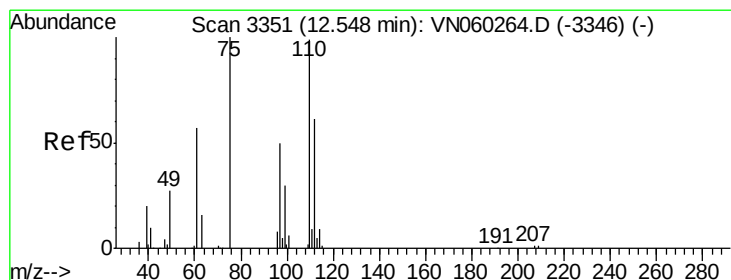
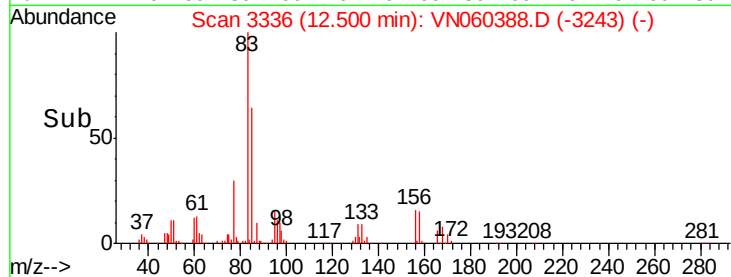
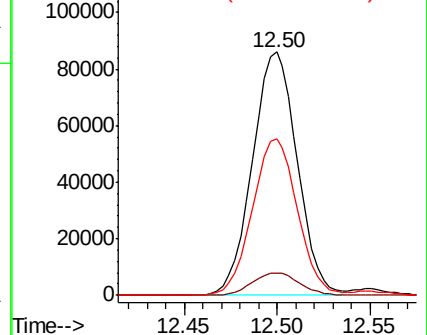
85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060388.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060388.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060388.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 61.685 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060388.D

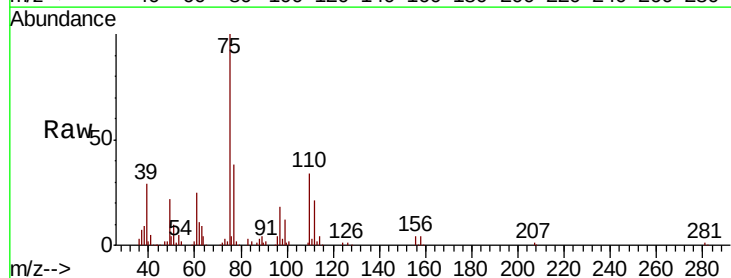
Acq: 6 Mar 2020 18:07

Tgt Ion: 75 Resp: 206911

Ion Ratio Lower Upper

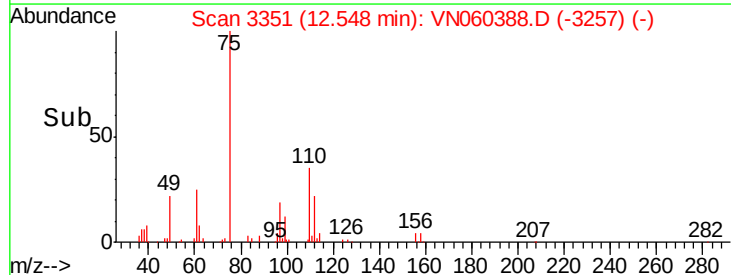
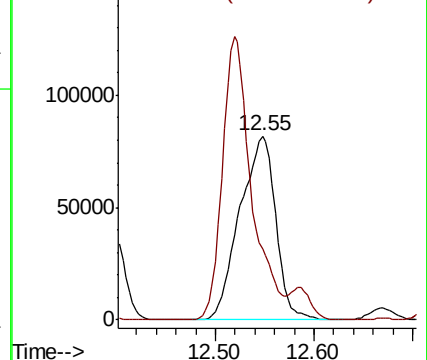
75 100

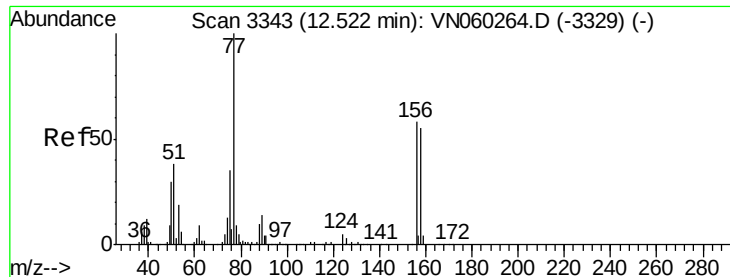
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060388.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060388.D (-3257) (-)





#77

Bromobenzene

Concen: 43.283 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

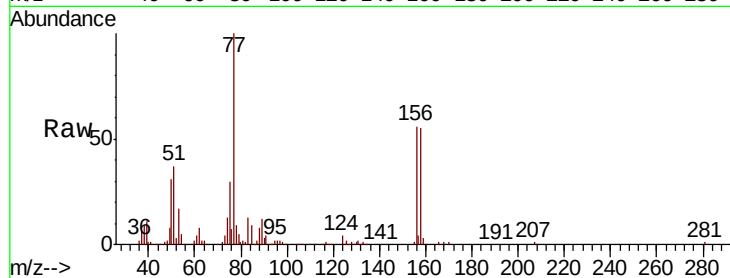
Tot Ion:156 Resp: 120228

Ion Ratio Lower Upper

156 100

77 217.0 106.1 318.3

158 97.2 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

150000

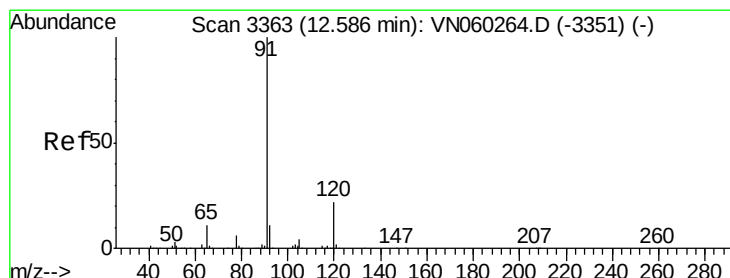
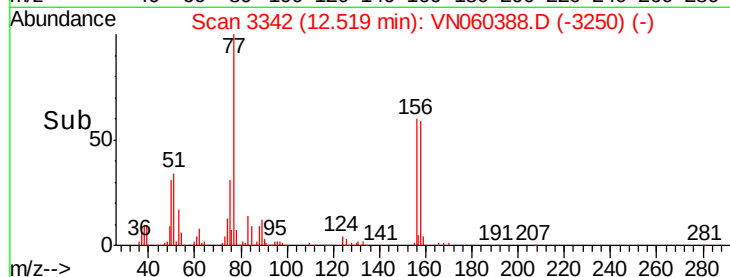
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 43.272 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060388.D

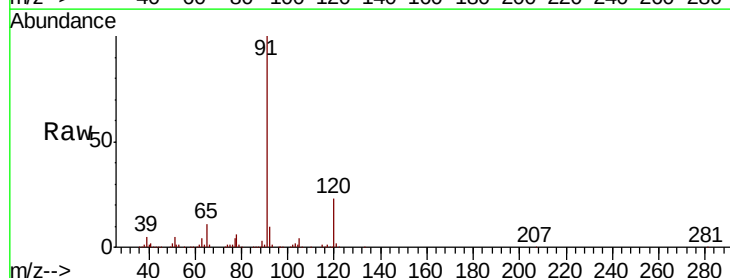
Acq: 6 Mar 2020 18:07

Tgt Ion: 91 Resp: 574771

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

400000

300000

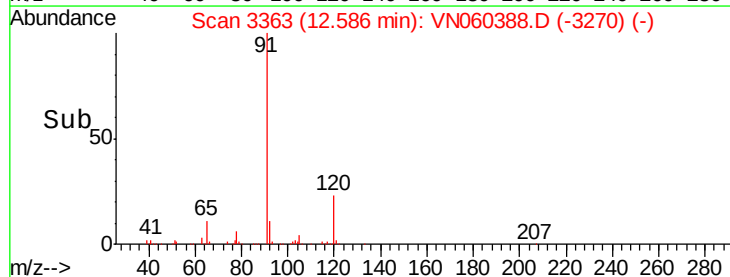
200000

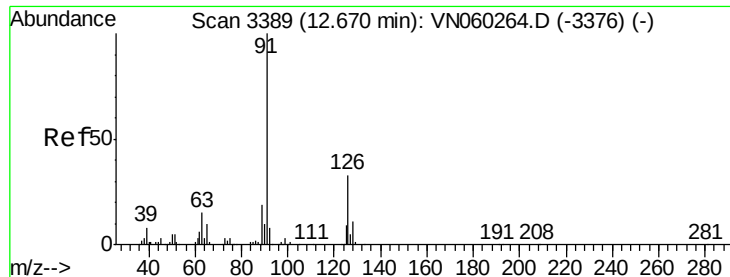
100000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 43.518 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

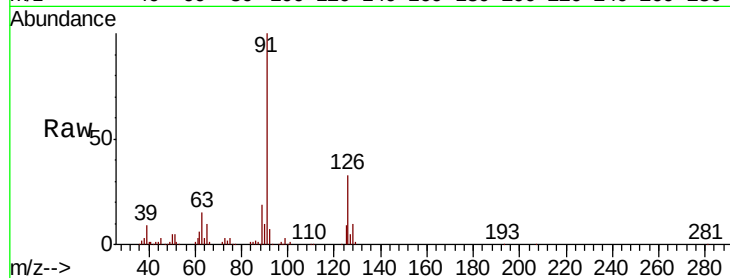
ClientSampled :

Tot Ion: 91 Resp: 339786

Ion Ratio Lower Upper

91 100

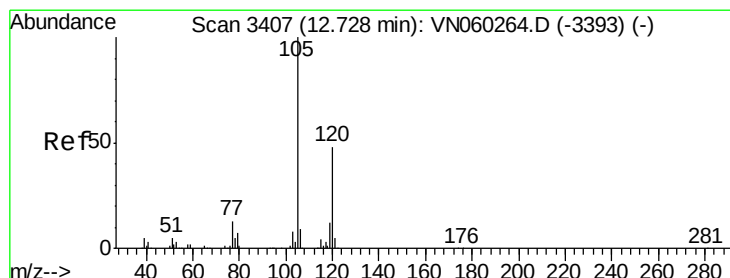
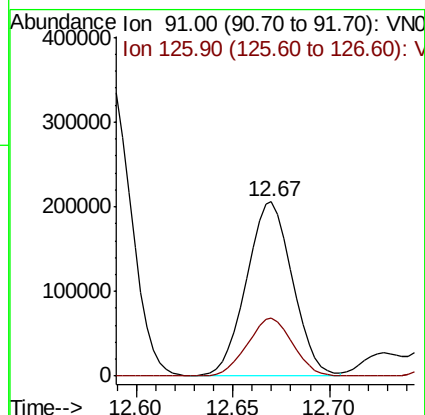
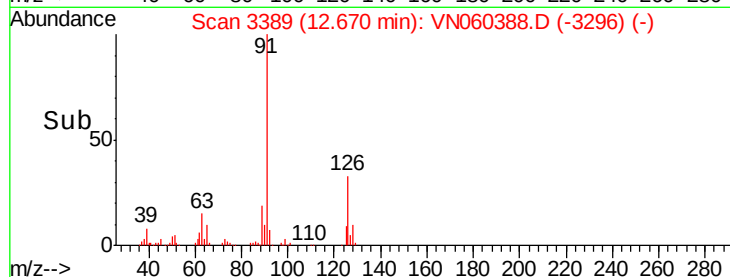
126 33.1 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060388.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060388.D (-3296) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 43.756 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060388.D

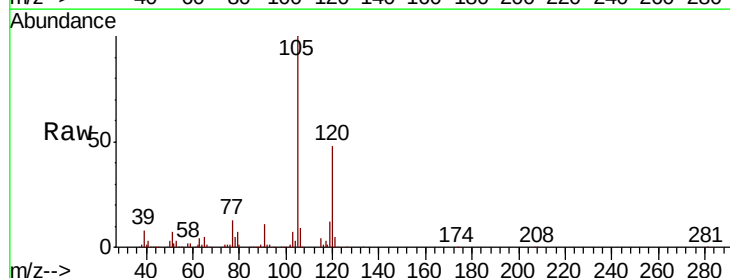
Acq: 6 Mar 2020 18:07

Tgt Ion: 105 Resp: 417464

Ion Ratio Lower Upper

105 100

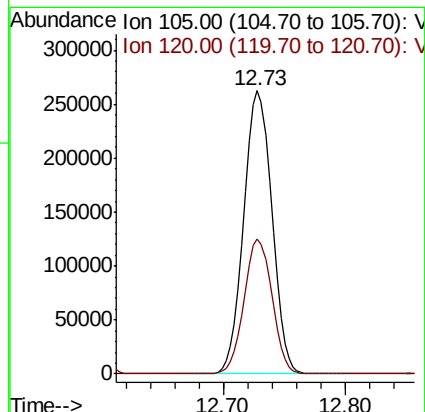
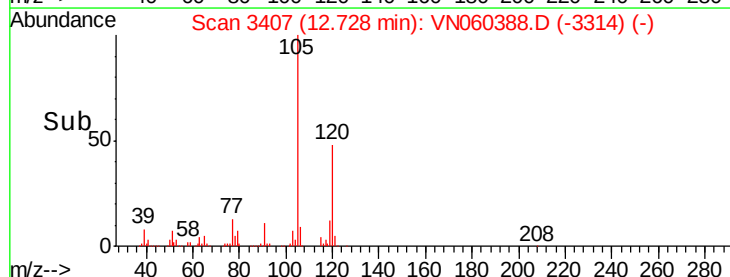
120 47.1 24.1 72.4

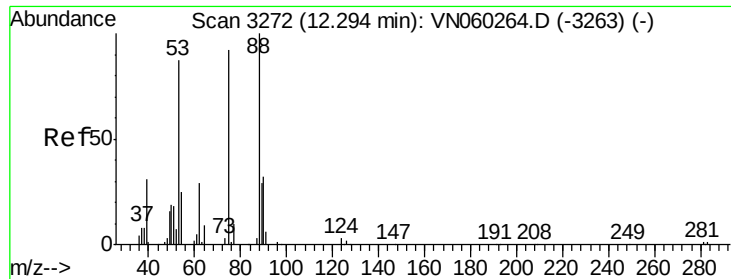


Abundance Ion 105.00 (104.70 to 105.70): VN060388.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060388.D (-3314) (-)

Time-->

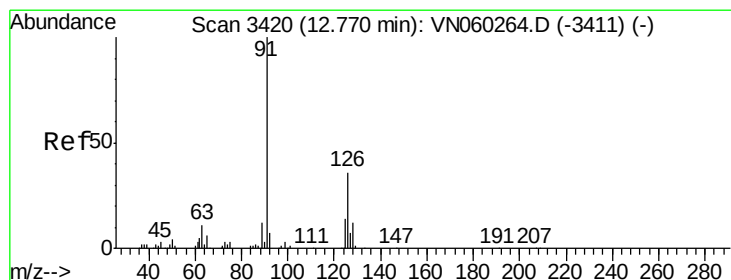
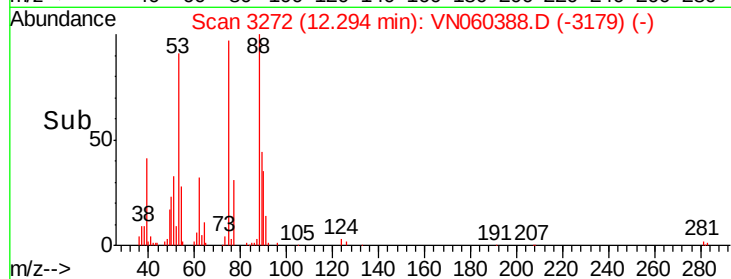
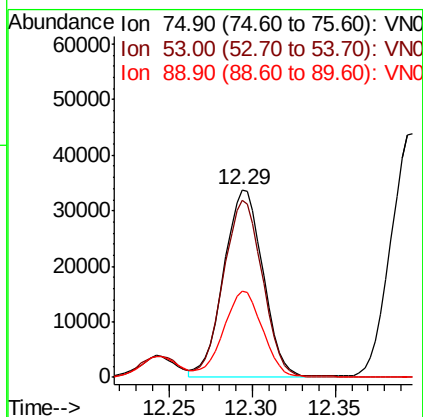
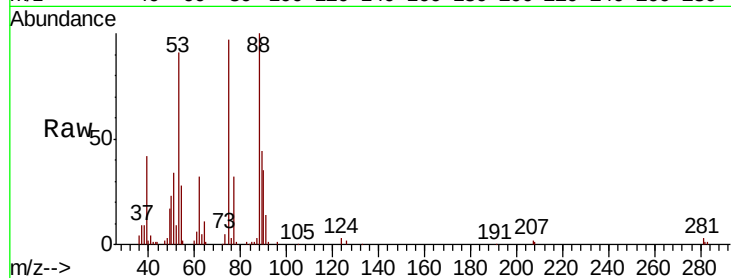




#81
trans-1,4-Dichloro-2-butene
Concen: 46.009 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

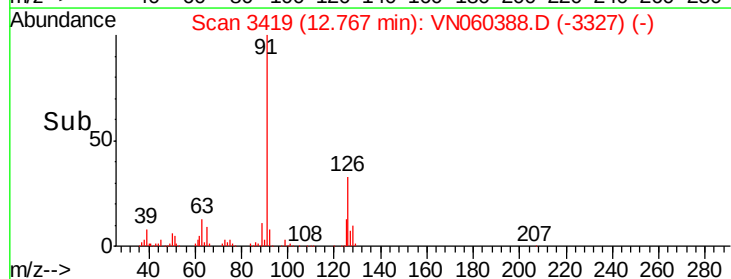
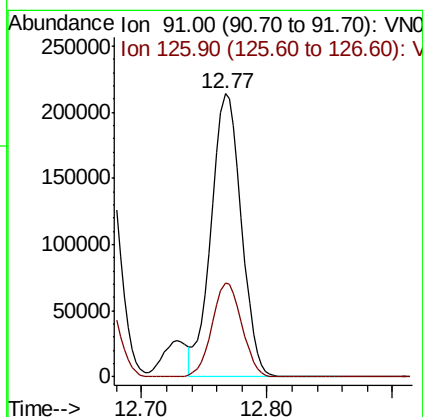
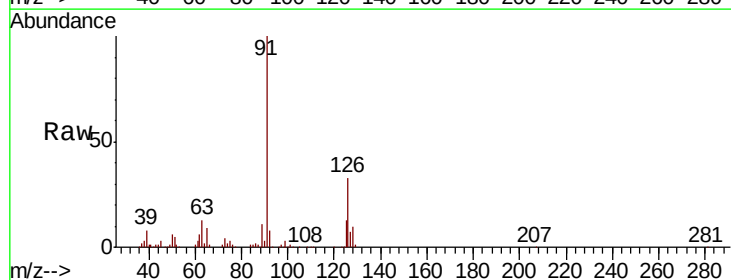
Instrument :
MSVOA_N
ClientSampled :

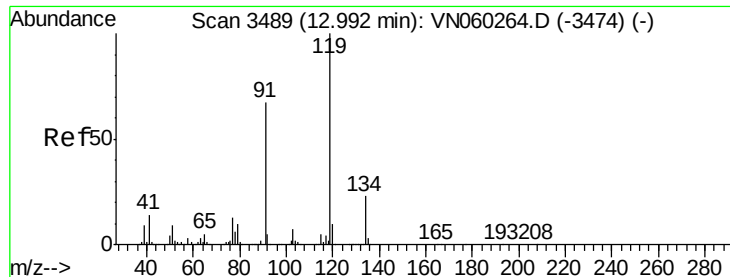
Tot Ion: 75 Resp: 55906
Ion Ratio Lower Upper
75 100
53 94.3 73.8 110.6
89 45.4 57.1 85.7#



#82
4-Chlorotoluene
Concen: 43.413 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 91 Resp: 357129
Ion Ratio Lower Upper
91 100
126 32.6 16.7 50.1

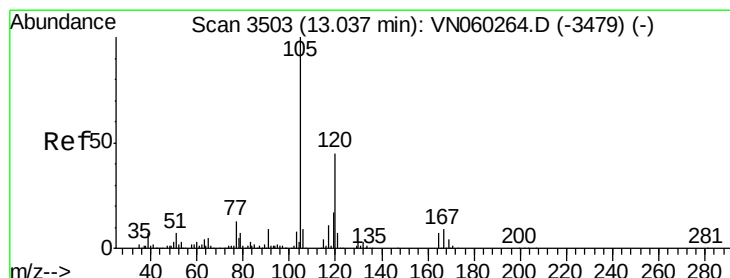
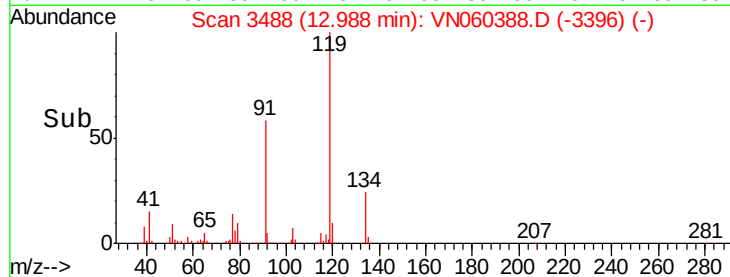
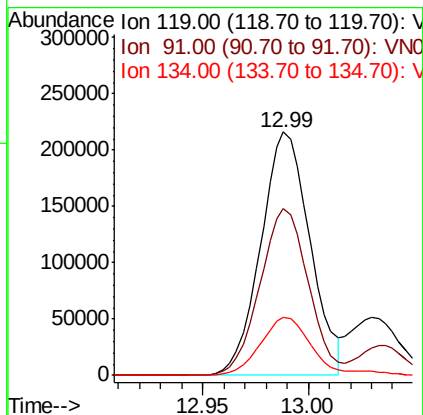
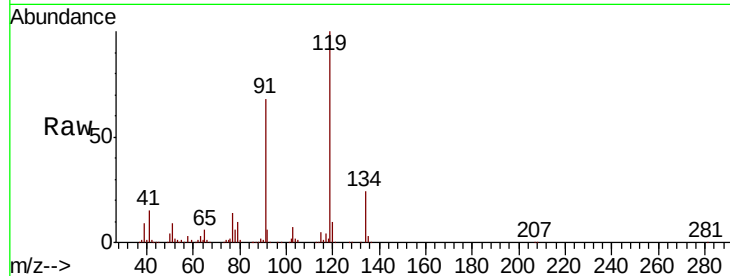




#83
 tert-Butylbenzene
 Concen: 42.565 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

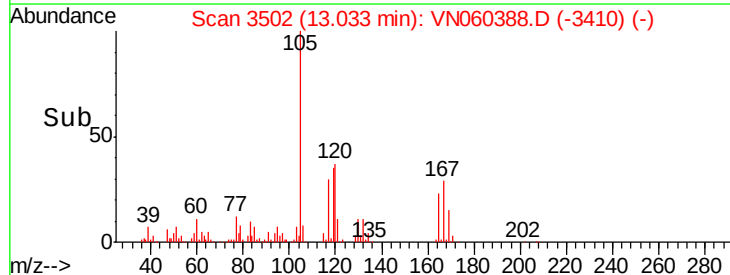
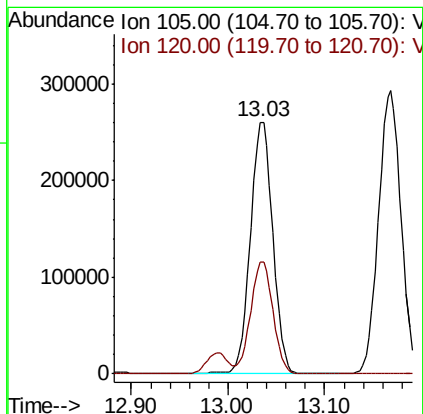
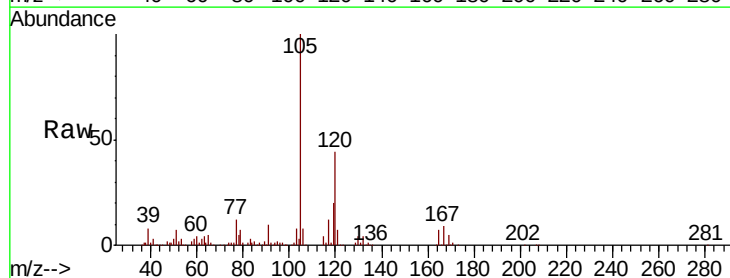
Instrument :
 MSVOA_N
 ClientSampleId :

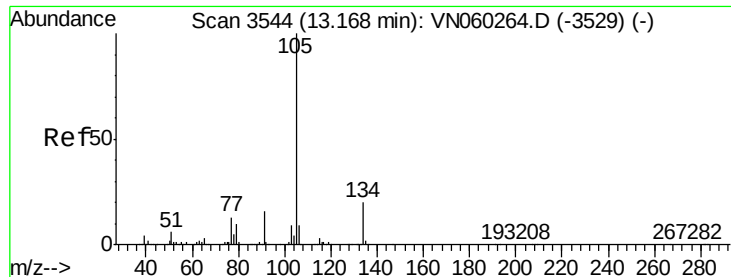
Tot Ion:119 Resp: 351600
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.1 99.2
 134 25.1 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 43.545 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion:105 Resp: 419332
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.3 66.9





#85

sec-Butylbenzene

Concen: 42.623 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

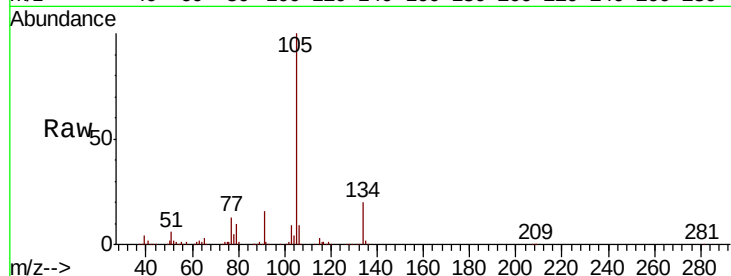
ClientSampled :

Tot Ion:105 Resp: 471472

Ion Ratio Lower Upper

105 100

134 19.4 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

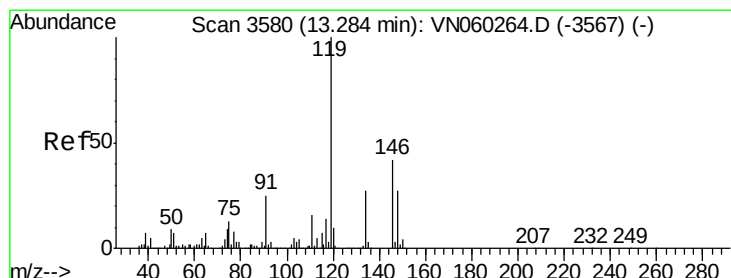
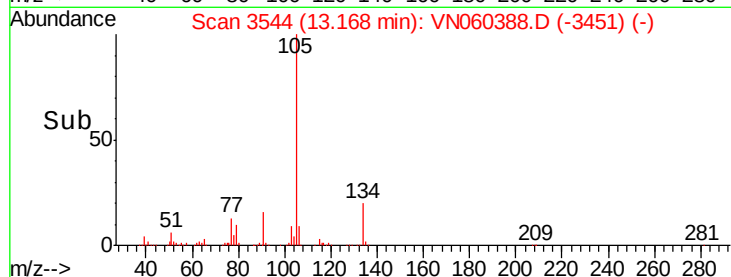
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 41.290 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

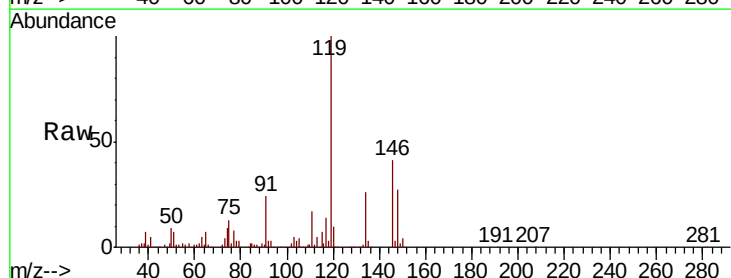
Tgt Ion:119 Resp: 422735

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

13.28

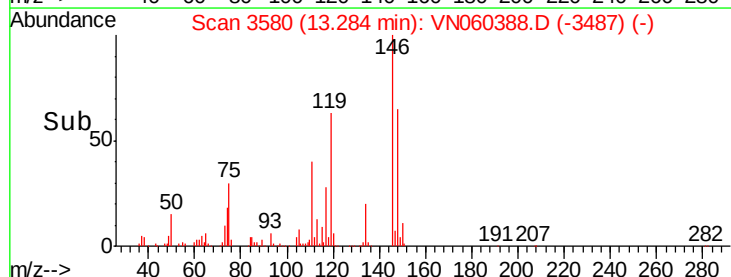
300000

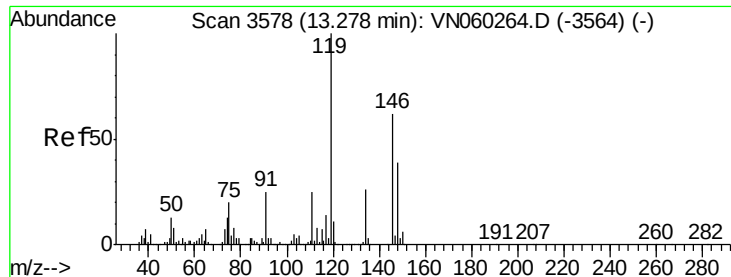
200000

100000

0

Time-->

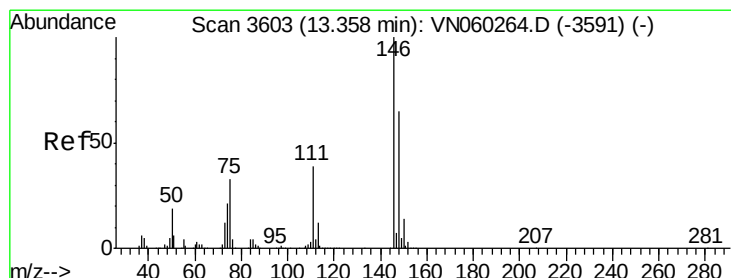
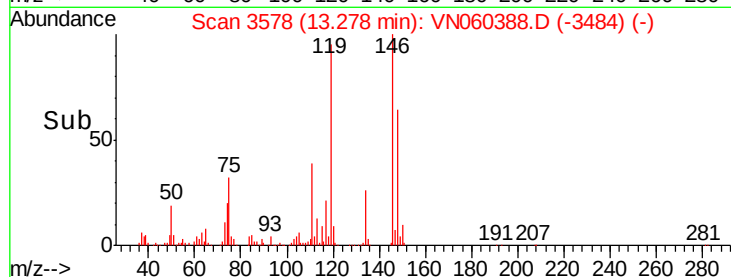
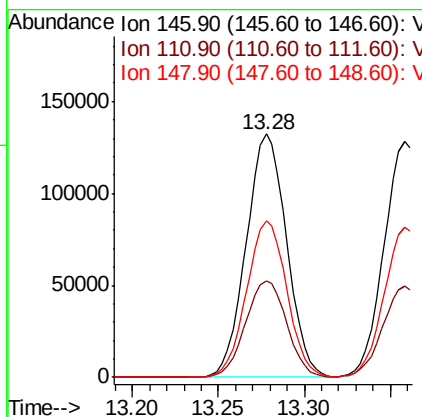
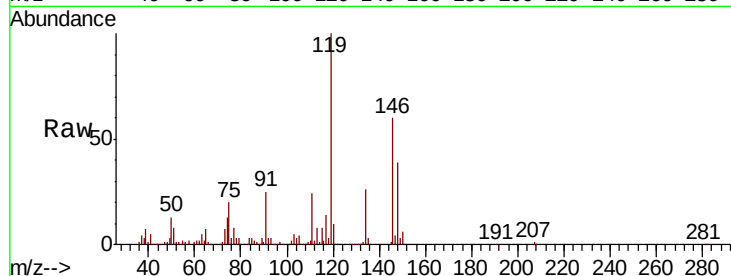




#87
 1,3-Dichlorobenzene
 Concen: 45.163 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

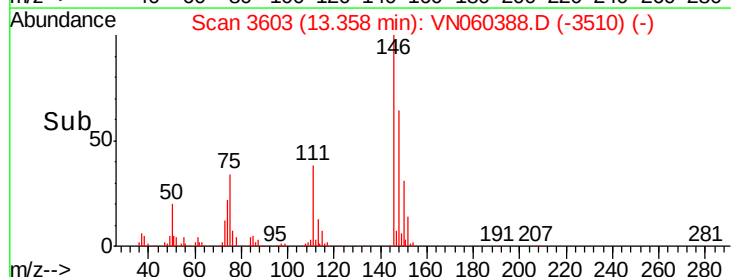
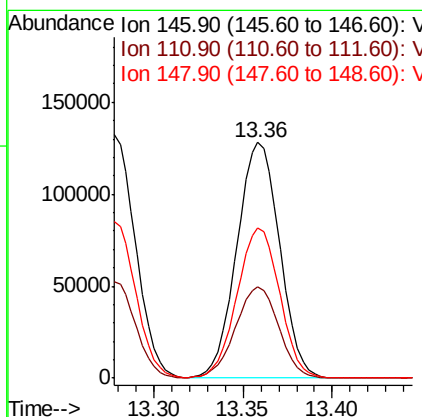
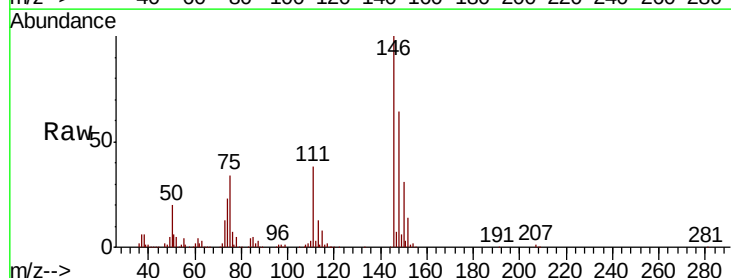
Instrument :
 MSVOA_N
 ClientSampleId :

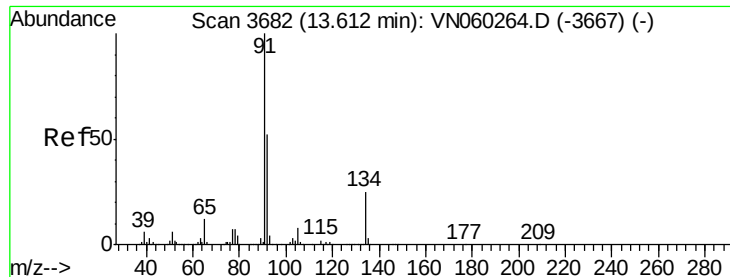
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	64.1	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 45.158 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	63.7	32.3	96.9





#89

n-Butylbenzene

Concen: 40.556 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

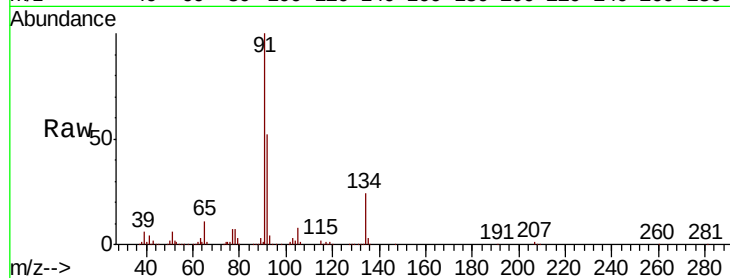
Tot Ion: 91 Resp: 381163

Ion Ratio Lower Upper

91 100

92 52.1 26.0 78.0

134 25.1 12.7 38.1

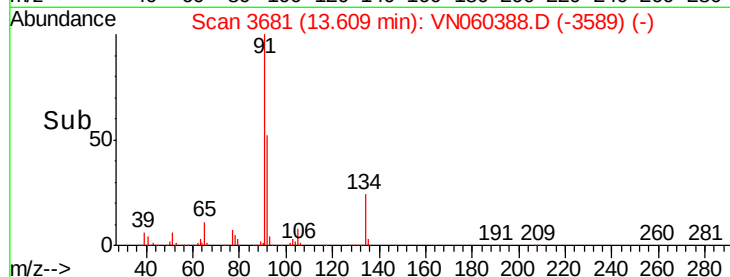


Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060264.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060264.D (-3667) (-)

Time--> 13.50 13.60 13.70

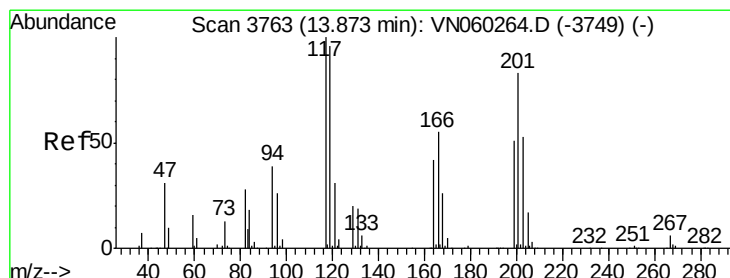


Abundance Ion 91.00 (90.70 to 91.70): VN060388.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN060388.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN060388.D (-3589) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 40.932 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060388.D

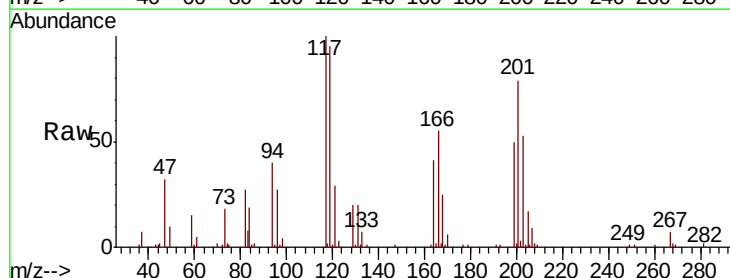
Acq: 6 Mar 2020 18:07

Tgt Ion: 117 Resp: 60659

Ion Ratio Lower Upper

117 100

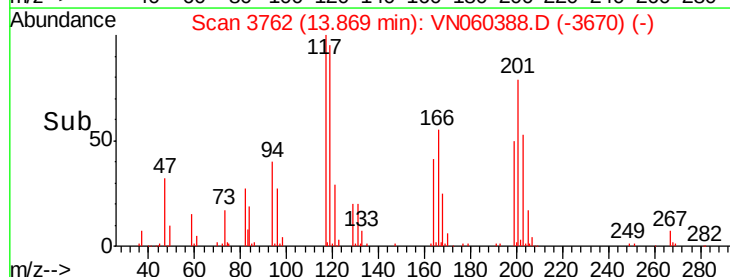
201 80.1 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060264.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060264.D (-3749) (-)

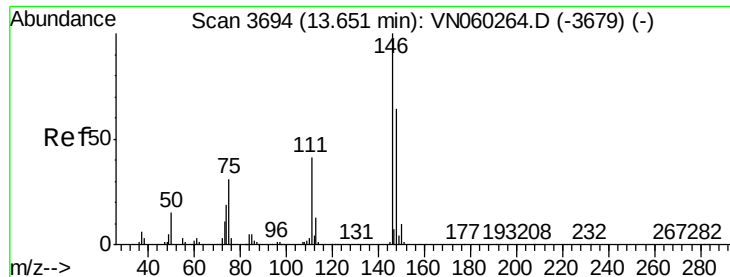
Time--> 13.80 13.85 13.90



Abundance Ion 116.80 (116.50 to 117.50): VN060388.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN060388.D (-3670) (-)

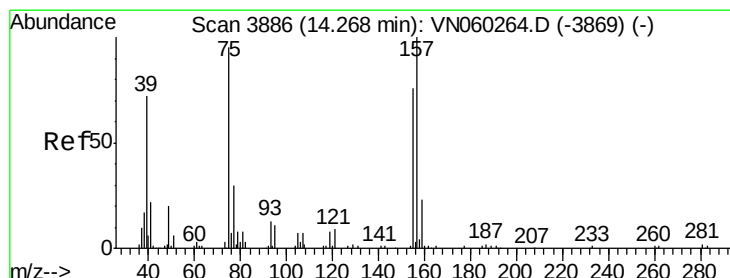
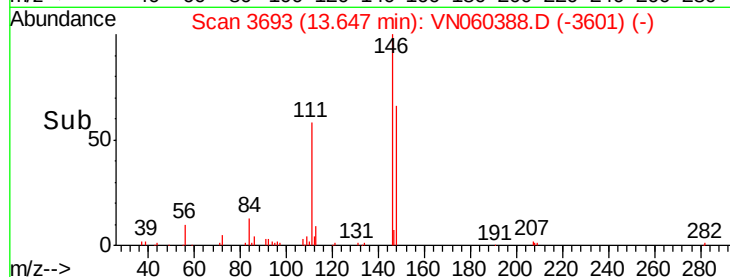
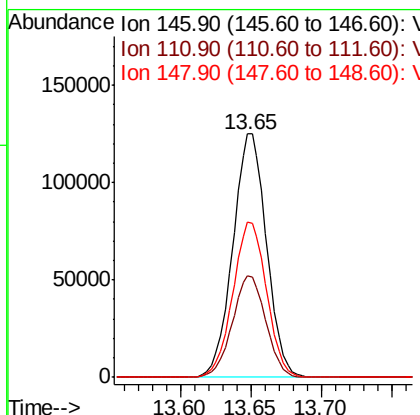
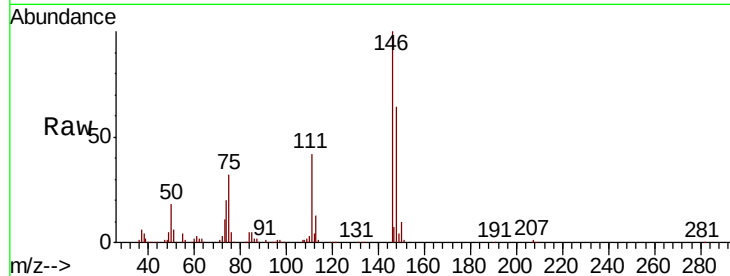
Time--> 13.80 13.85 13.90



#91
 1,2-Dichlorobenzene
 Concen: 42.921 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

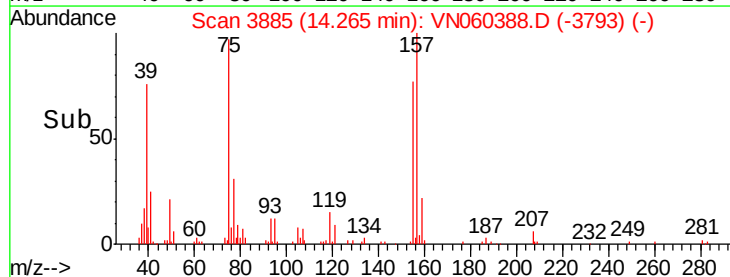
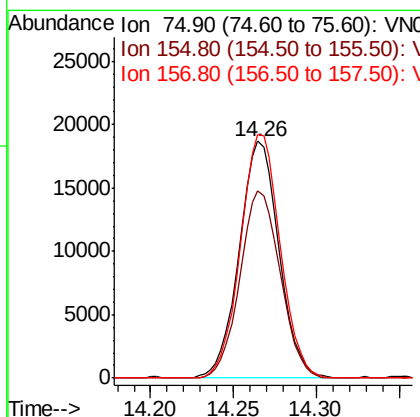
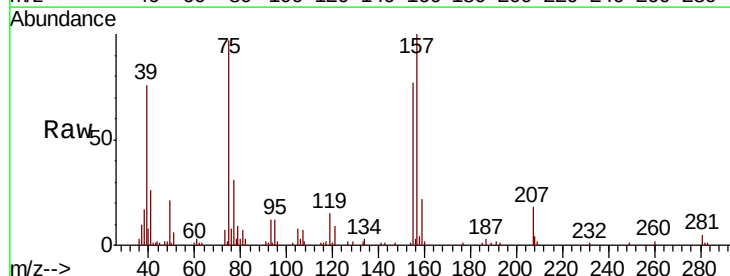
Instrument :
 MSVOA_N
 ClientSampleId :

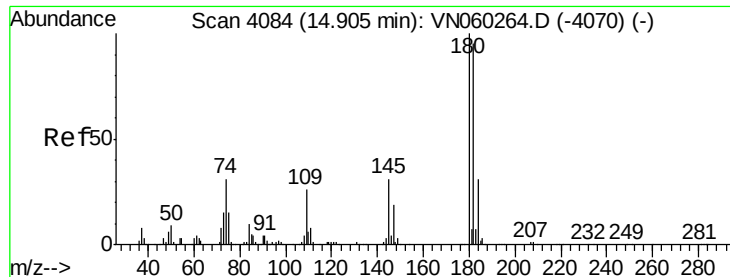
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	61.0
148	63.8	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.752 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.4	121.2
157	102.7	52.5	157.5





#93

1,2,4-Trichlorobenzene

Concen: 42.825 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

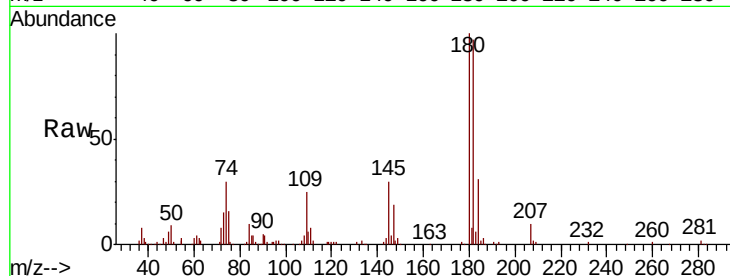
Tot Ion:180 Resp: 132405

Ion Ratio Lower Upper

180 100

182 95.3 47.8 143.3

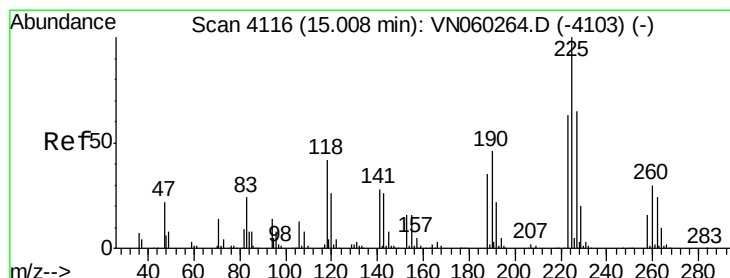
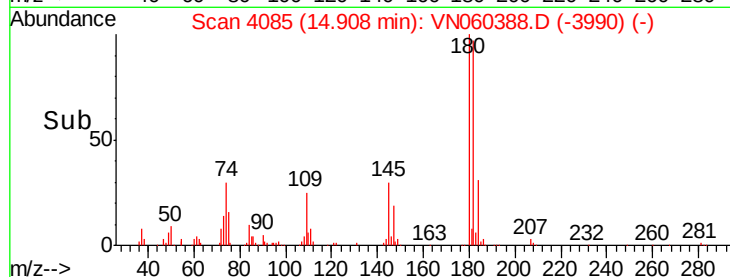
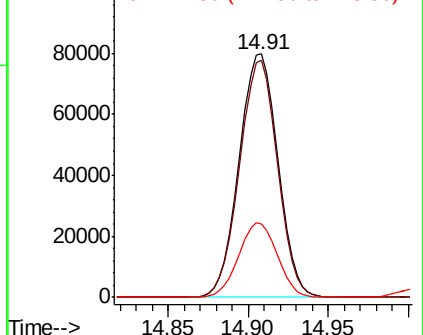
145 30.5 15.4 46.1



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: 42.370 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

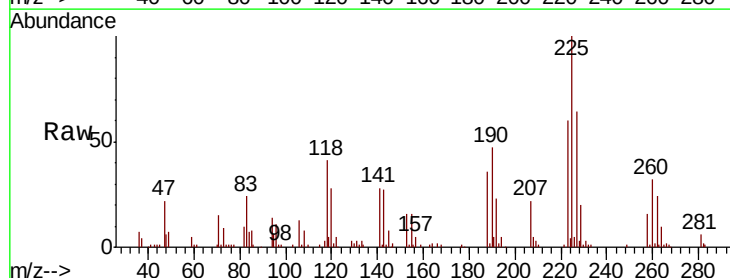
Tgt Ion:225 Resp: 60360

Ion Ratio Lower Upper

225 100

223 62.2 31.3 93.9

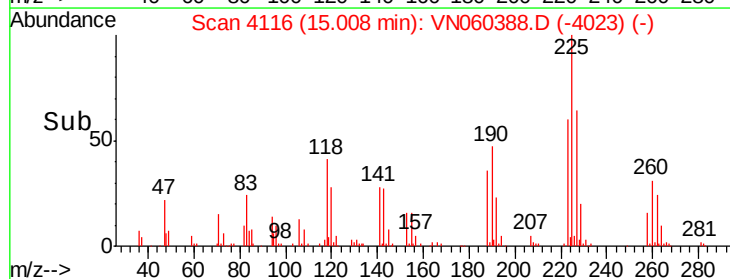
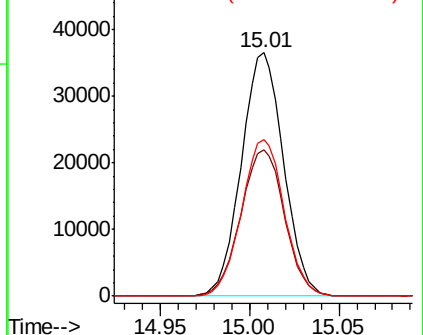
227 64.7 32.3 96.9

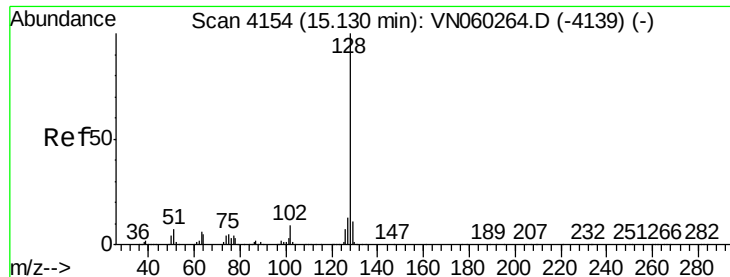


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

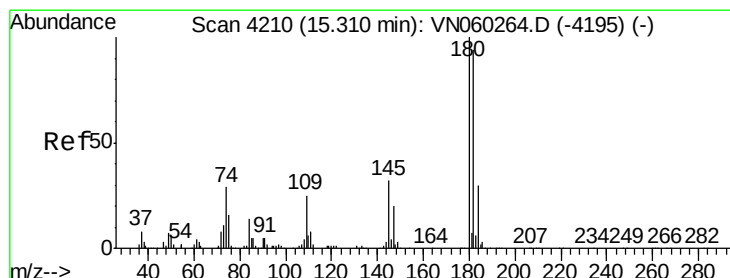
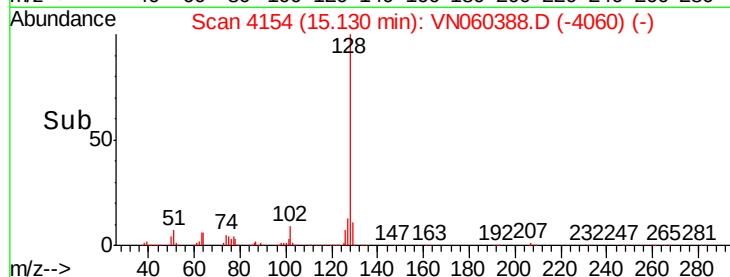
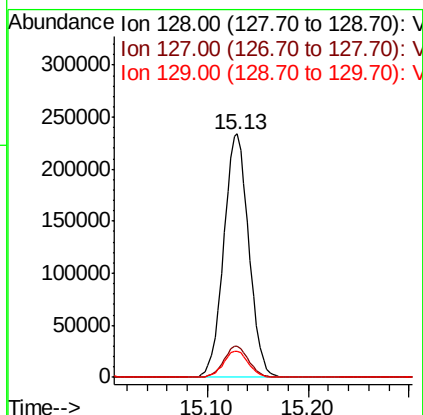
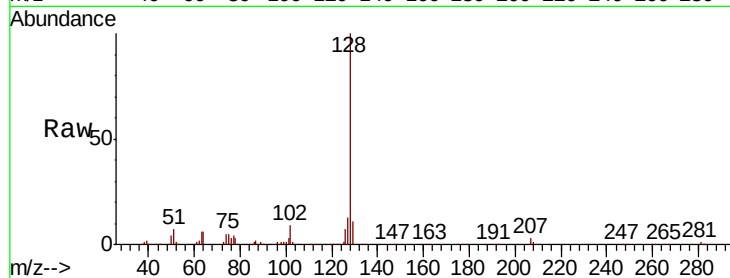




#95
Naphthalene
Concen: 44.430 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 405004
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 43.163 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion:180 Resp: 125789
Ion Ratio Lower Upper
180 100
182 93.8 47.3 142.0
145 32.1 16.2 48.5

