

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060370.D
 Acq On : 6 Mar 2020 10:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:52:54 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	199251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146123	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	124917	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	7.56	113	87702	58.45	ug/l	0.00
Spiked Amount			Recovery	=	116.90%	
50) Toluene-d8	10.08	98	373810	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	141752	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	87798	48.060	ug/l	100
3) Chloromethane	2.04	50	152022	47.797	ug/l	99
4) Vinyl Chloride	2.16	62	127937	46.903	ug/l	100
5) Bromomethane	2.54	94	49081	44.435	ug/l	99
6) Chloroethane	2.68	64	70454	47.672	ug/l	95
7) Trichlorofluoromethane	3.00	101	169579	48.659	ug/l	98
8) Diethyl Ether	3.38	74	66905	50.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	100678	51.045	ug/l	98
10) Methyl Iodide	3.93	142	92461	51.366	ug/l	100
11) Tert butyl alcohol	4.72	59	89359	235.406	ug/l	100
12) 1,1-Dichloroethene	3.71	96	97605	50.991	ug/l	98
13) Acrolein	3.57	56	119290	336.855	ug/l	99
14) Allyl chloride	4.29	41	170177	48.216	ug/l	92
15) Acrylonitrile	4.94	53	273993	273.845	ug/l	99
16) Acetone	3.78	43	211513	256.210	ug/l	98
17) Carbon Disulfide	4.03	76	249960	49.195	ug/l	99
18) Methyl Acetate	4.28	43	142564	51.747	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	368541	53.027	ug/l	98
20) Methylene Chloride	4.52	84	113875	50.227	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	104753	50.941	ug/l	97
22) Diisopropyl ether	5.91	45	396311	55.434	ug/l	98
23) Vinyl Acetate	5.86	43	1568410	276.078	ug/l	99
24) 1,1-Dichloroethane	5.81	63	216530	53.505	ug/l	99
25) 2-Butanone	6.80	43	368485	276.339	ug/l	100
26) 2,2-Dichloropropane	6.79	77	197386	53.576	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	130277	49.555	ug/l	98
28) Bromochloromethane	7.17	49	84645	50.942	ug/l	96
29) Tetrahydrofuran	7.18	42	247422	266.833	ug/l	99
30) Chloroform	7.34	83	216945	53.850	ug/l	100
31) Cyclohexane	7.63	56	186718	54.178	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	189441	53.073	ug/l	100
36) 1,1-Dichloropropene	7.77	75	159690	51.836	ug/l	99
37) Ethyl Acetate	6.89	43	159996	54.849	ug/l	99
38) Carbon Tetrachloride	7.75	117	156978	52.336	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	180996	49.830	ug/l	97
40) Benzene	8.02	78	475072	52.983	ug/l	100
41) Methacrylonitrile	7.18	41	230329	171.007	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	173252	53.545	ug/l	100
43) Isopropyl Acetate	8.14	43	286118	56.027	ug/l	99
44) Trichloroethene	8.82	130	130590	52.294	ug/l	97
45) 1,2-Dichloropropane	9.10	63	131086	55.916	ug/l	99
46) Dibromomethane	9.19	93	80600	52.986	ug/l	99
47) Bromodichloromethane	9.38	83	173376	56.040	ug/l	100
48) Methyl methacrylate	9.18	41	125816	54.027	ug/l	100
49) 1,4-Dioxane	9.18	88	31906	974.272	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	815080	281.504	ug/l	100
52) Toluene	10.14	92	300073	53.276	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	202467	53.409	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	211469	53.834	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	120890	53.372	ug/l	98
56) Ethyl methacrylate	10.42	69	186235	57.231	ug/l	98
57) 1,3-Dichloropropane	10.70	76	203718	55.150	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	520309	305.720	ug/l	99
59) 2-Hexanone	10.74	43	598369	281.465	ug/l	99
60) Dibromochloromethane	10.89	129	130312	56.572	ug/l	100
61) 1,2-Dibromoethane	10.99	107	120568	54.604	ug/l	99
64) Tetrachloroethene	10.62	164	136751	58.099	ug/l	98
65) Chlorobenzene	11.43	112	315050	51.985	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	122474	54.657	ug/l	99
67) Ethyl Benzene	11.50	91	590131	53.471	ug/l	99
68) m/p-Xylenes	11.61	106	440073	105.686	ug/l	99
69) o-Xylene	11.94	106	214311	53.973	ug/l	99
70) Styrene	11.96	104	357307	54.732	ug/l	100
71) Bromoform	12.12	173	93124	57.664	ug/l #	98
73) Isopropylbenzene	12.24	105	576657	53.244	ug/l	99
74) N-amyl acetate	12.06	43	256153	54.125	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	162907	55.335	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	232088	72.393	ug/l #	100
77) Bromobenzene	12.52	156	139060	52.380	ug/l	98
78) n-propylbenzene	12.59	91	677303	53.351	ug/l	99
79) 2-Chlorotoluene	12.67	91	393157	52.684	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	485398	53.231	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	66293	57.081	ug/l #	86
82) 4-Chlorotoluene	12.77	91	410209	52.174	ug/l	100
83) tert-Butylbenzene	12.99	119	404202	51.197	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	489379	53.170	ug/l	100
85) sec-Butylbenzene	13.17	105	549957	52.019	ug/l	99
86) p-Isopropyltoluene	13.28	119	498912	50.986	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	252474	55.365	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	249174	54.967	ug/l	100
89) n-Butylbenzene	13.61	91	453406	50.476	ug/l	99
90) Hexachloroethane	13.87	117	72411	51.124	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	240321	51.661	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33970	50.954	ug/l	99

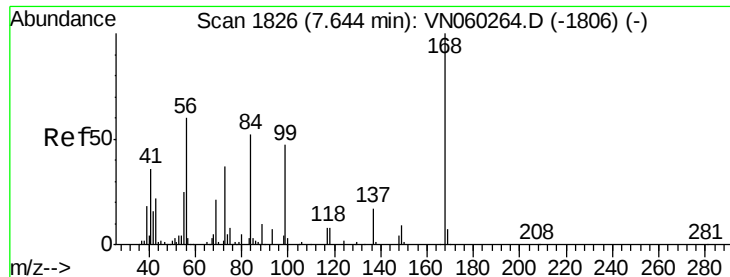
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152632	51.633	ug/l	99
94) Hexachlorobutadiene	15.01	225	73472	54.119	ug/l	99
95) Naphthalene	15.13	128	439675	50.502	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	142630	51.240	ug/l	100

(#) = 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: VN060370.D

Acq: 6 Mar 2020 10:38

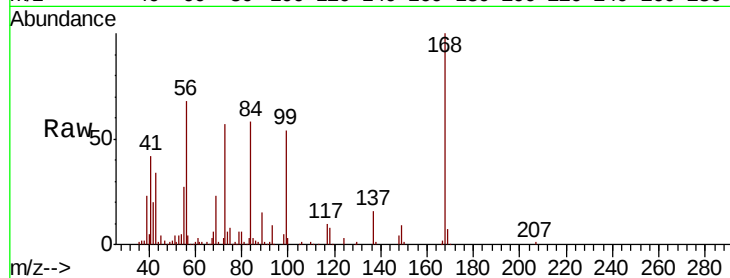
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 199251

Ion Ratio Lower Upper

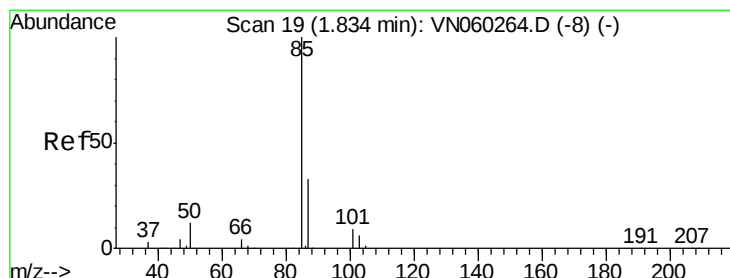
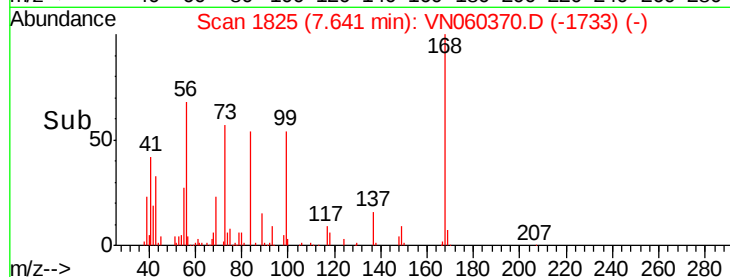
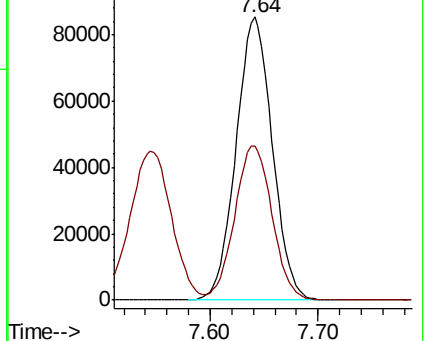
168 100

99 54.4 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: 48.060 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060370.D

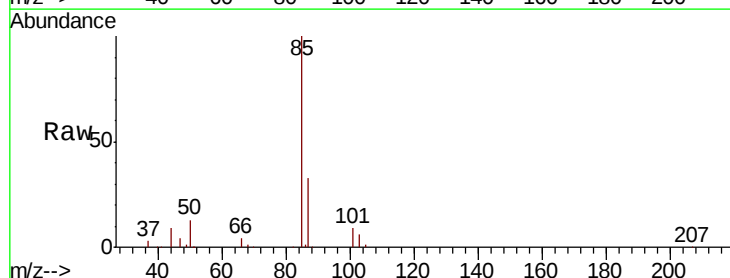
Acq: 6 Mar 2020 10:38

Tgt Ion: 85 Resp: 87798

Ion Ratio Lower Upper

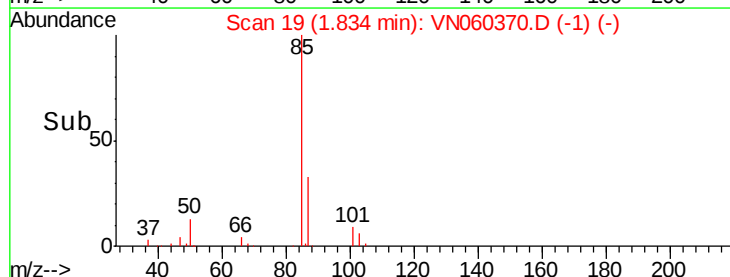
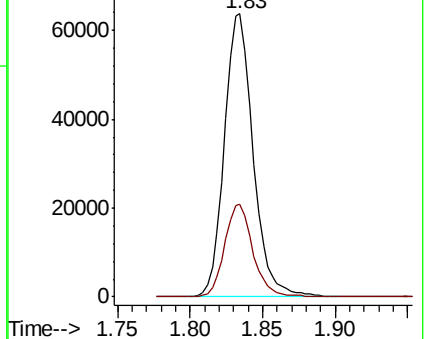
85 100

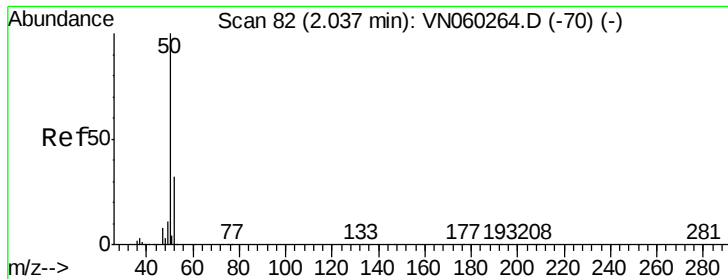
87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 47.797 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

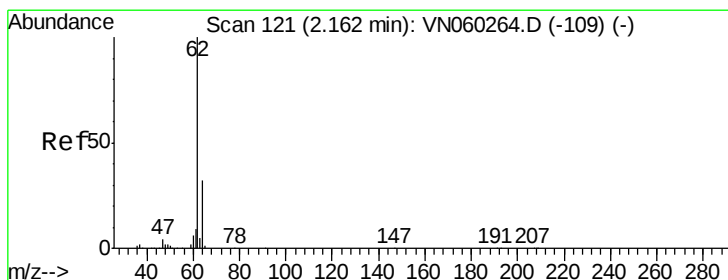
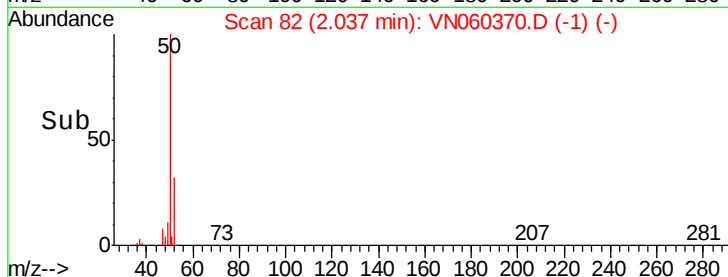
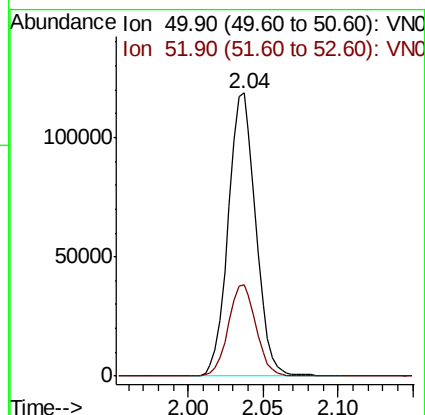
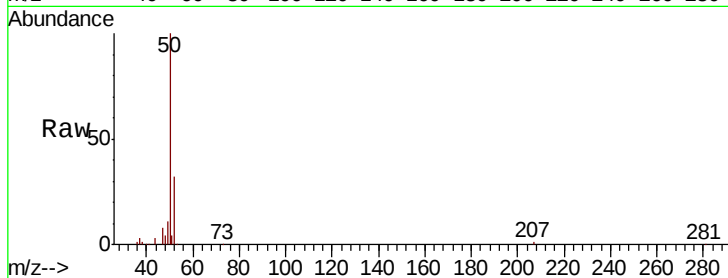
ClientSampled :

Tot Ion: 50 Resp: 152022

Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4



#4

Vinyl Chloride

Concen: 46.903 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060370.D

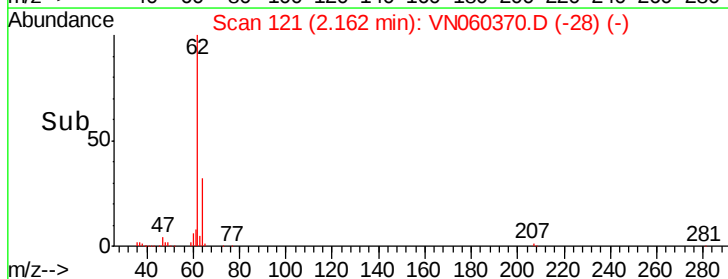
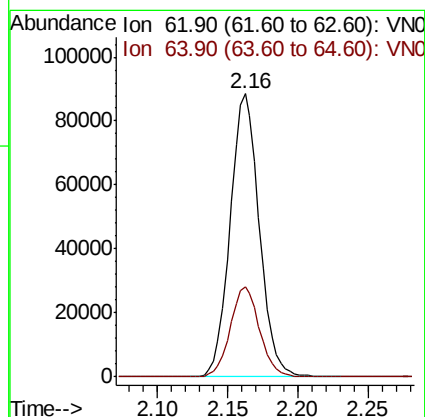
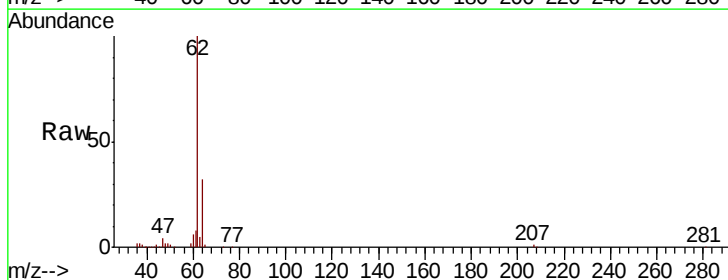
Acq: 6 Mar 2020 10:38

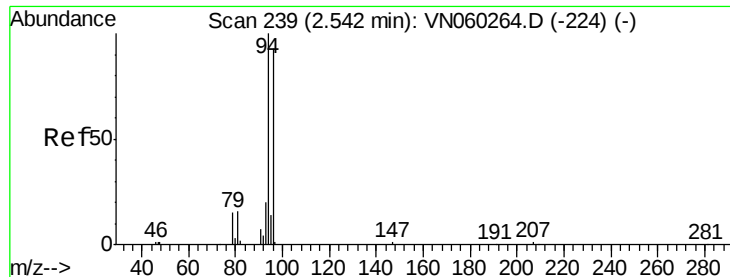
Tgt Ion: 62 Resp: 127937

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 44.435 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

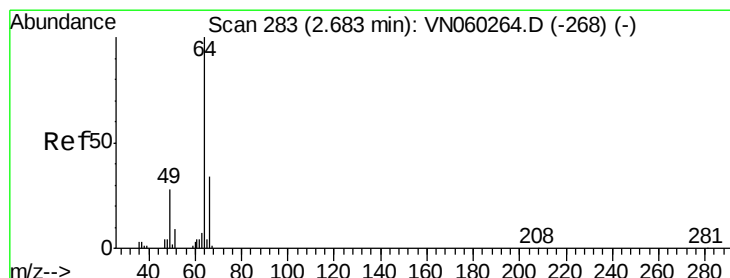
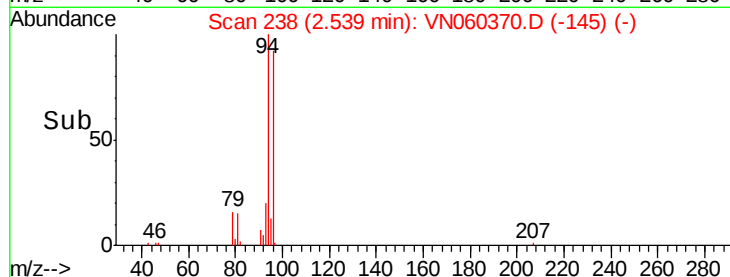
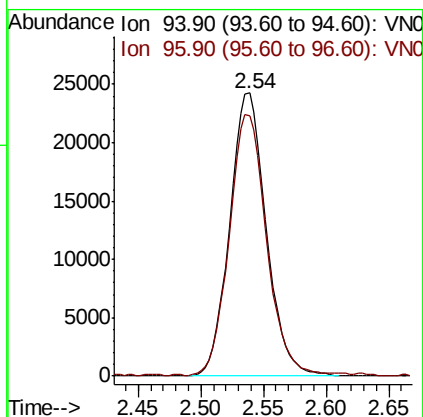
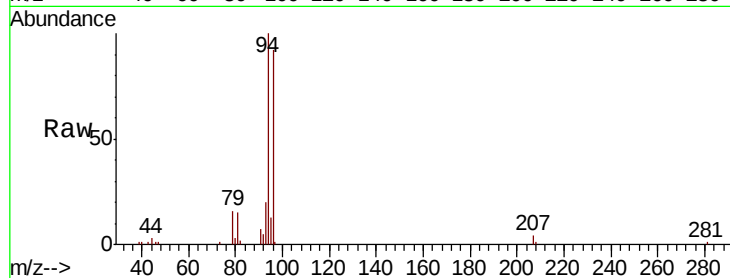
ClientSampled :

Tot Ion: 94 Resp: 49081

Ion Ratio Lower Upper

94 100

96 92.2 74.3 111.5



#6

Chloroethane

Concen: 47.672 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060370.D

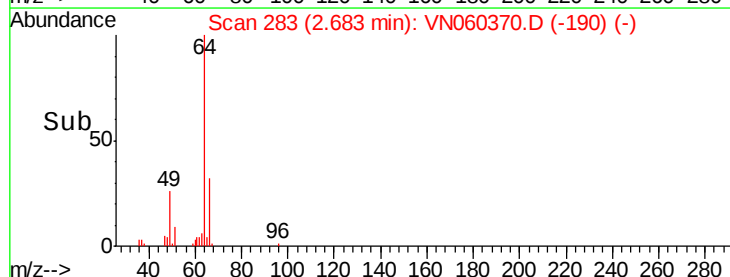
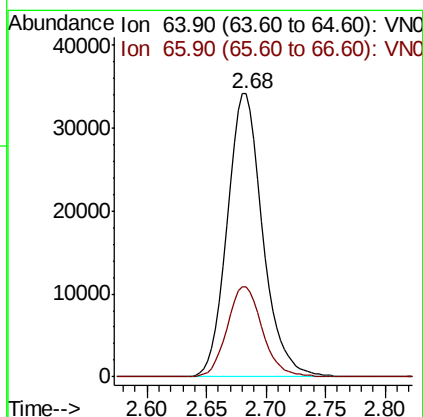
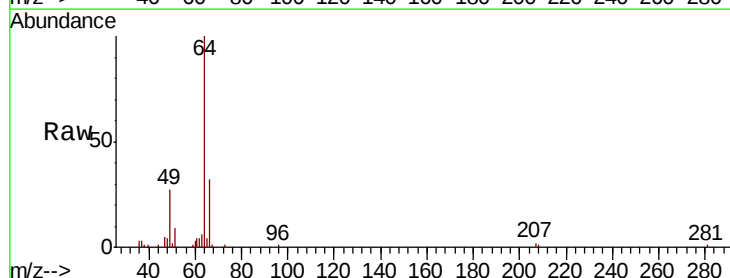
Acq: 6 Mar 2020 10:38

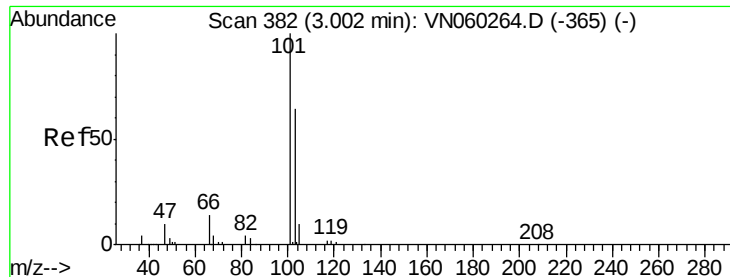
Tgt Ion: 64 Resp: 70454

Ion Ratio Lower Upper

64 100

66 31.6 27.4 41.2



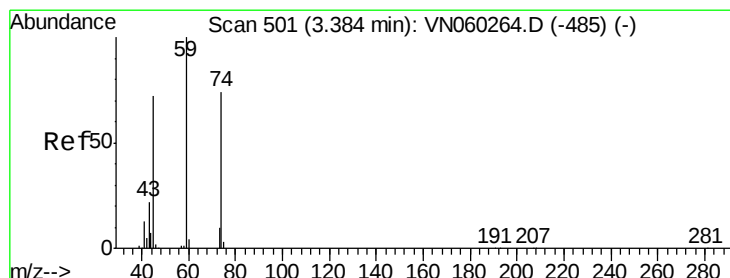
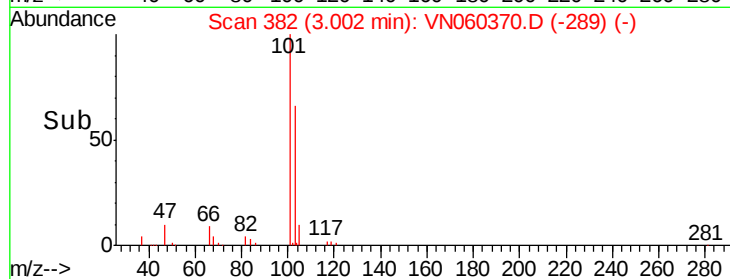
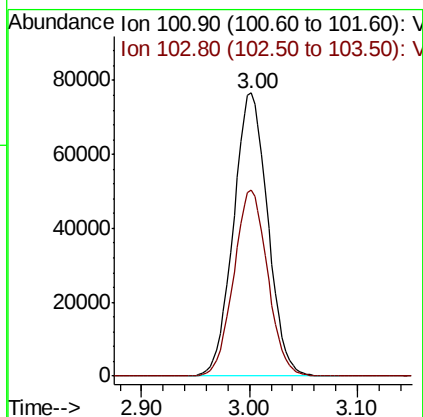
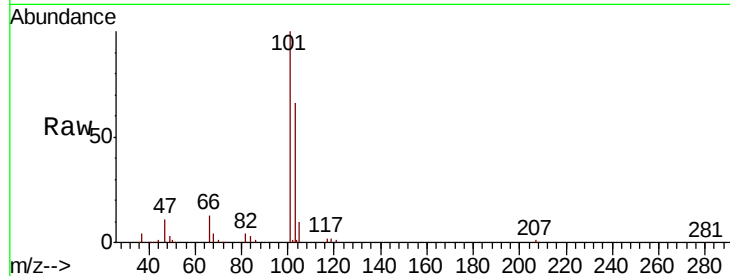


#7

Trichlorofluoromethane
Concen: 48.659 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampled :

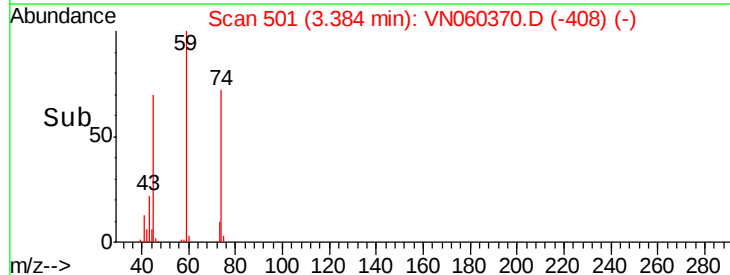
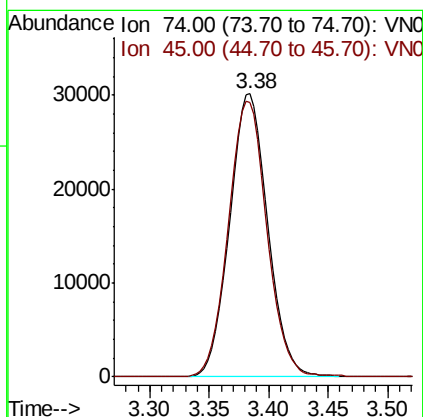
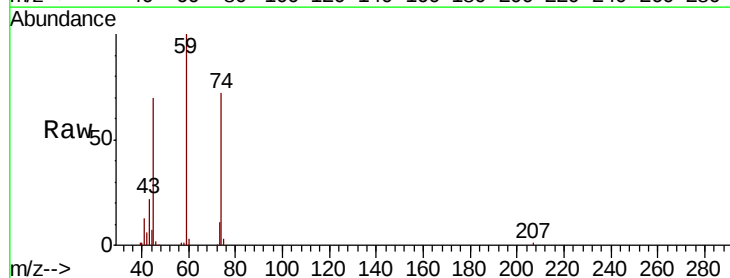
Tot Ion:101 Resp: 169579
Ion Ratio Lower Upper
101 100
103 65.6 51.3 76.9

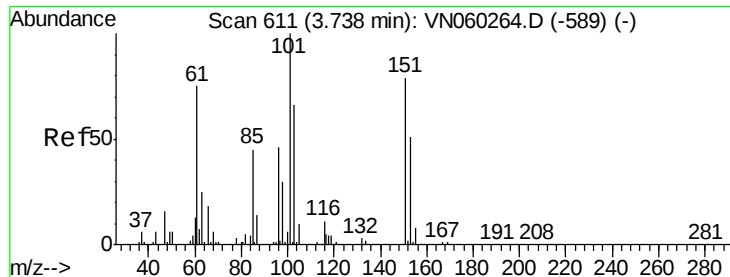


#8

Diethyl Ether
Concen: 50.846 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 74 Resp: 66905
Ion Ratio Lower Upper
74 100
45 98.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.045 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

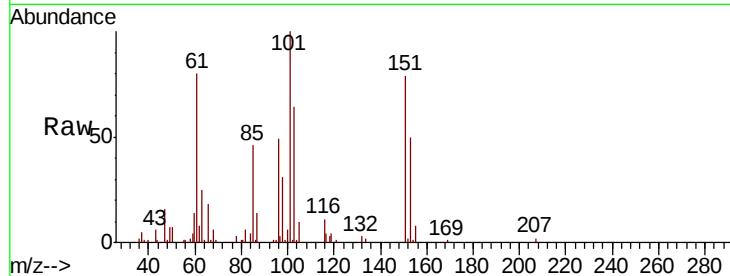
Tot Ion:101 Resp: 100678

Ion Ratio Lower Upper

101 100

85 45.5 35.4 53.2

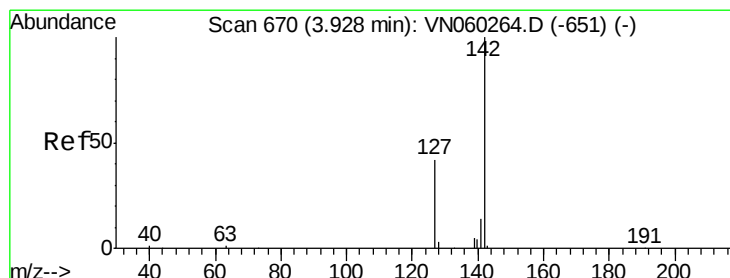
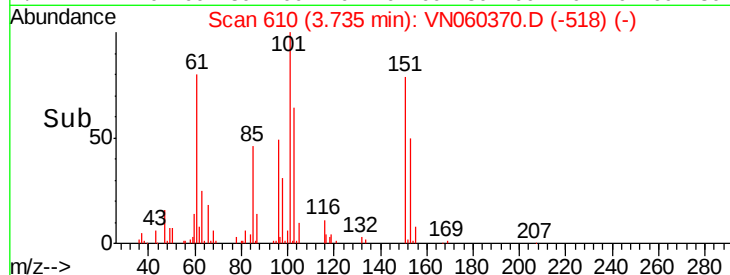
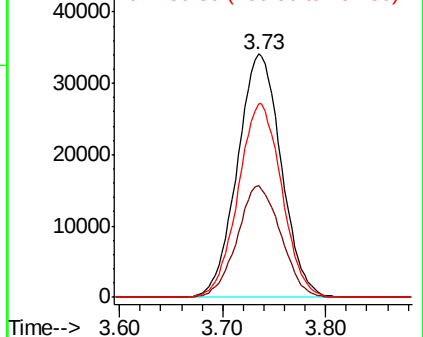
151 79.1 62.0 93.0



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: 51.366 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

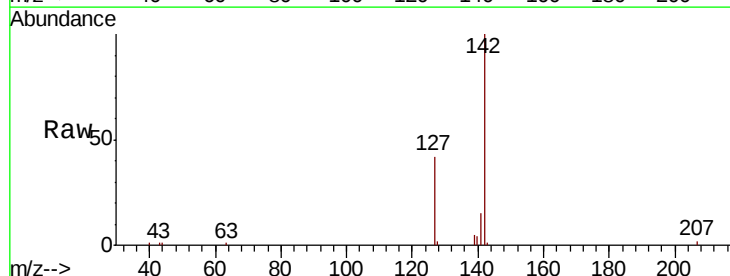
Tgt Ion:142 Resp: 92461

Ion Ratio Lower Upper

142 100

127 42.3 33.8 50.6

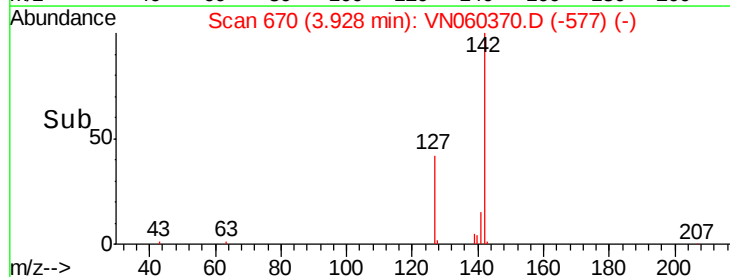
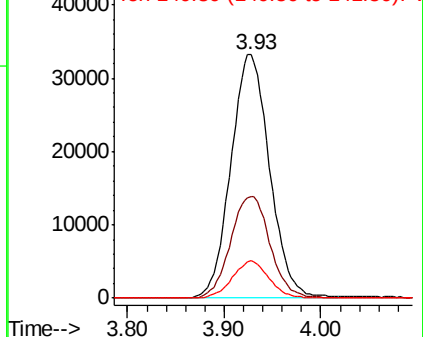
141 14.3 11.1 16.7

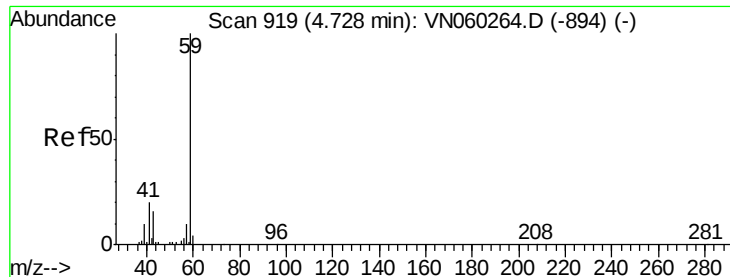


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

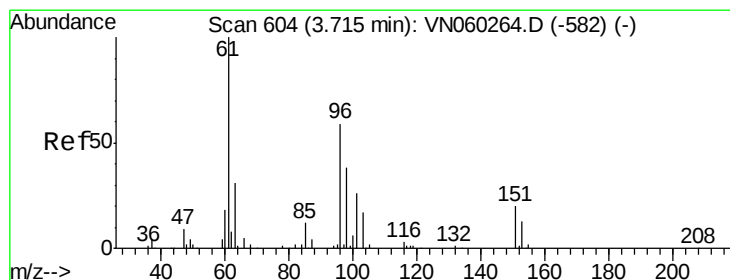
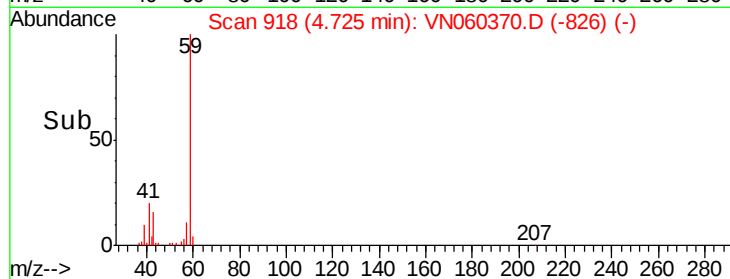
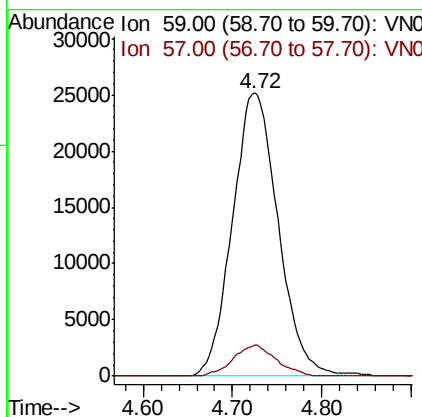
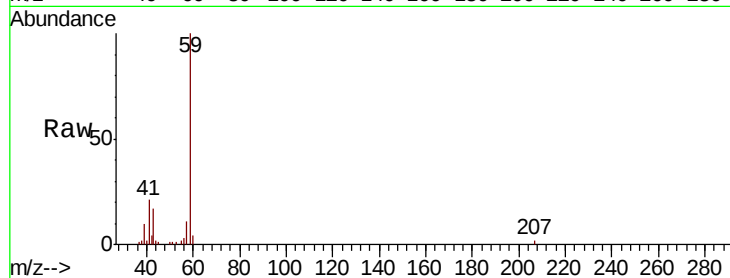




#11
Tert butyl alcohol
Concen: 235.406 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

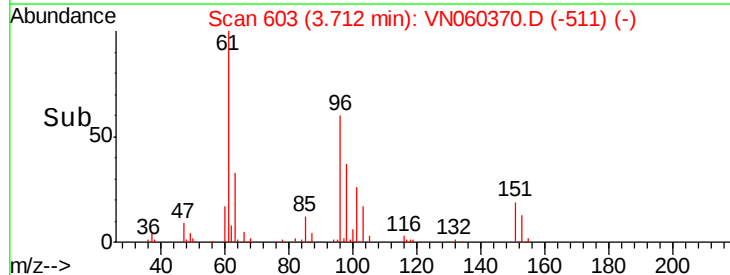
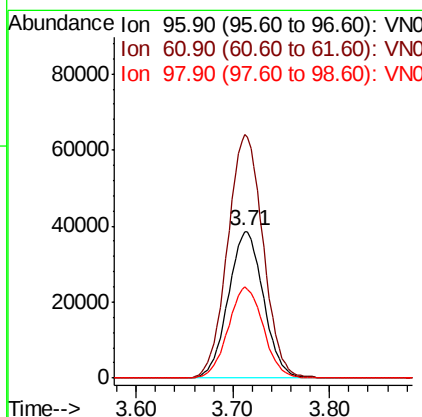
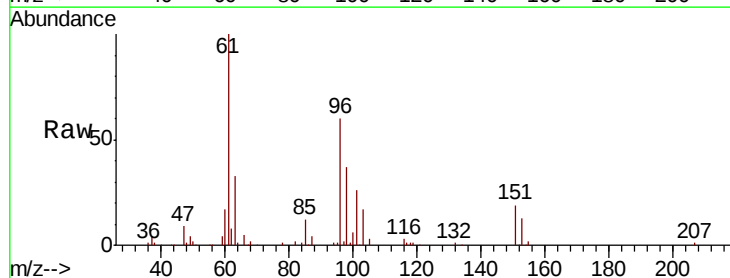
Instrument :
MSVOA_N
ClientSampled :

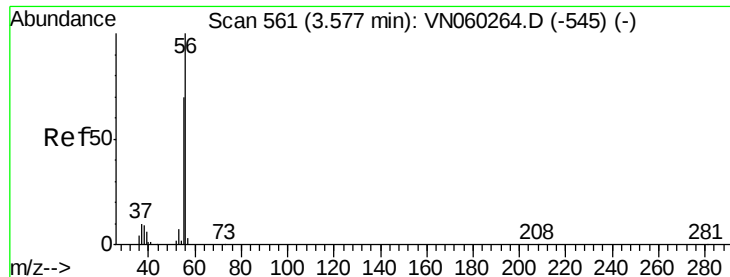
Tot Ion: 59 Resp: 89359
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12
1,1-Dichloroethene
Concen: 50.991 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 96 Resp: 97605
Ion Ratio Lower Upper
96 100
61 166.3 135.4 203.0
98 62.1 51.6 77.4

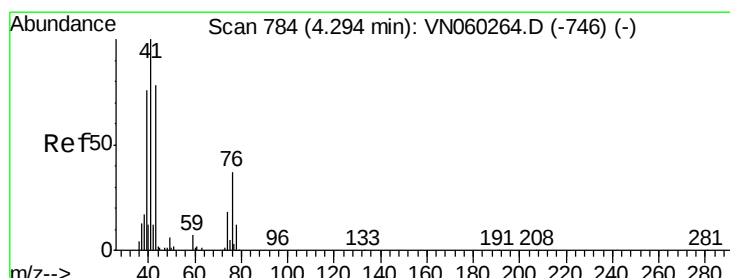
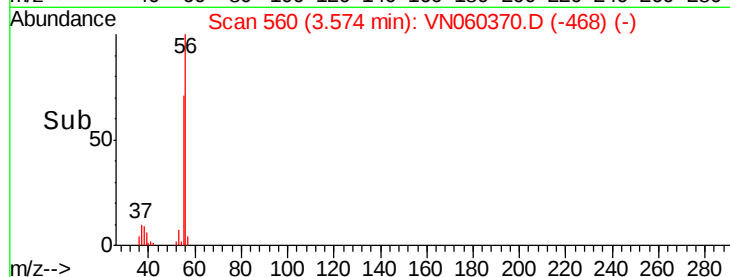
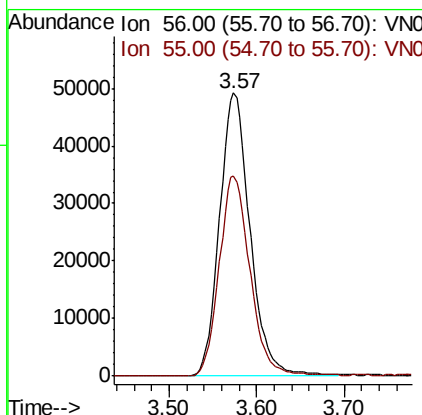
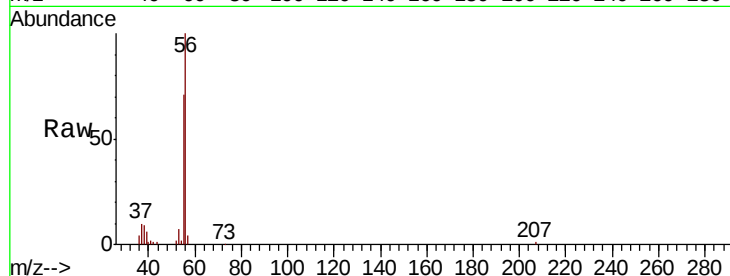




#13
Acrolein
Concen: 336.855 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

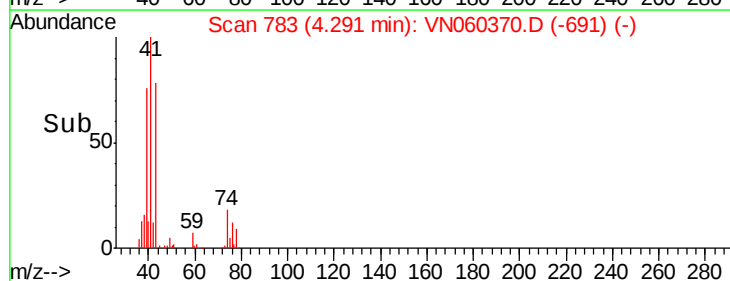
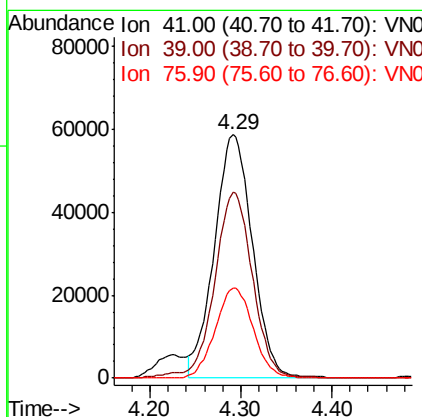
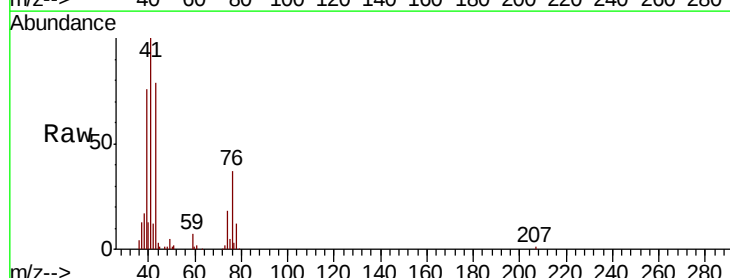
Instrument :
MSVOA_N
ClientSampled :

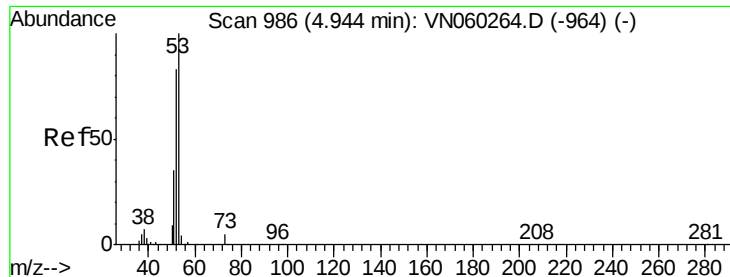
Tot Ion: 56 Resp: 119290
Ion Ratio Lower Upper
56 100
55 71.2 57.4 86.0



#14
Allyl chloride
Concen: 48.216 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 41 Resp: 170177
Ion Ratio Lower Upper
41 100
39 76.7 55.4 83.2
76 36.8 27.0 40.6





#15

Acrylonitrile

Concen: 273.845 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

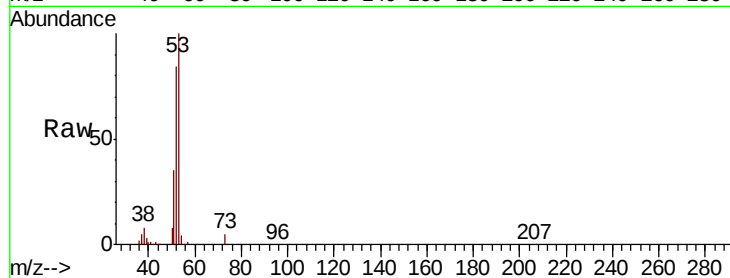
Tot Ion: 53 Resp: 273993

Ion Ratio Lower Upper

53 100

52 82.7 66.8 100.2

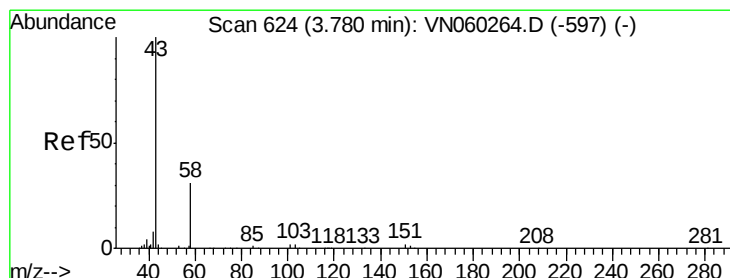
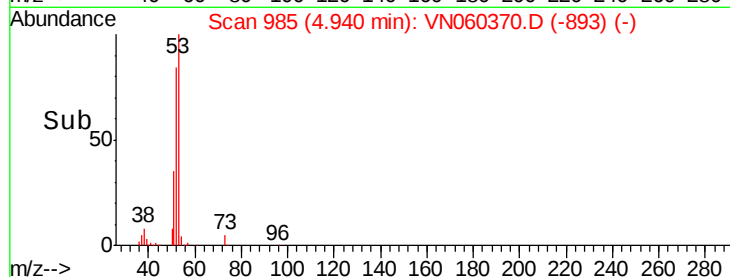
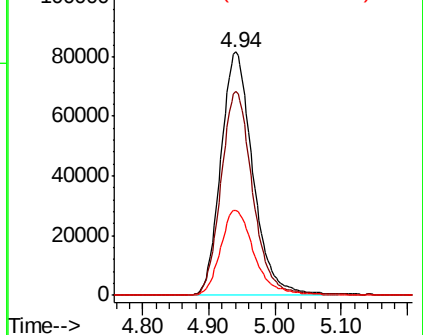
51 36.7 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060370.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060370.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060370.D (-964) (-)



#16

Acetone

Concen: 256.210 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060370.D

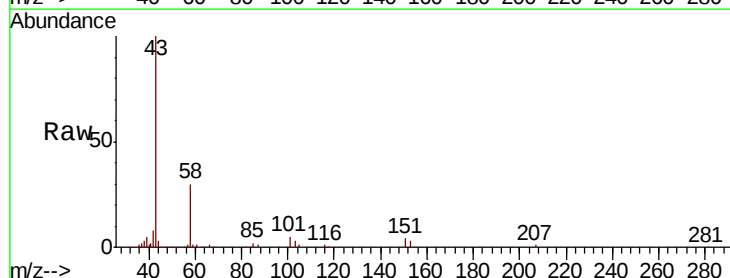
Acq: 6 Mar 2020 10:38

Tgt Ion: 43 Resp: 211513

Ion Ratio Lower Upper

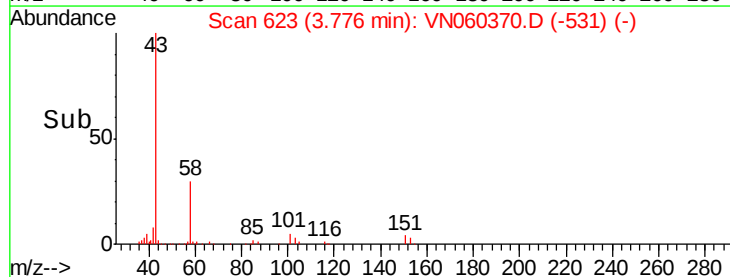
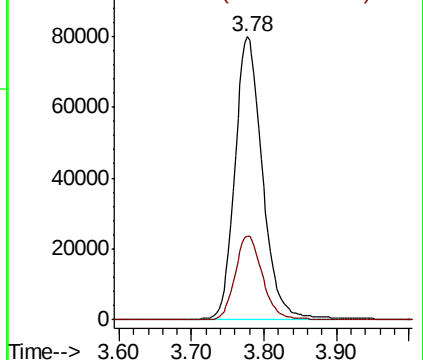
43 100

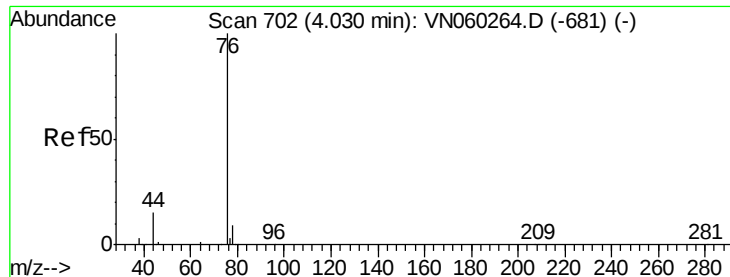
58 29.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060370.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060370.D (-531) (-)

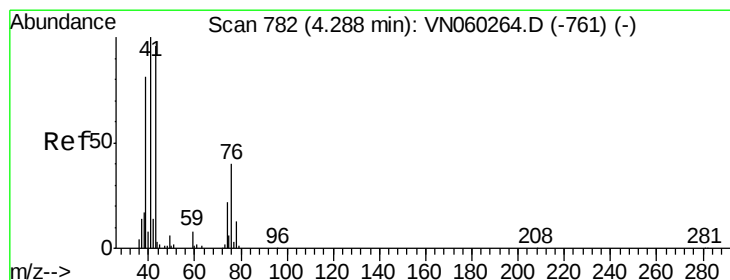
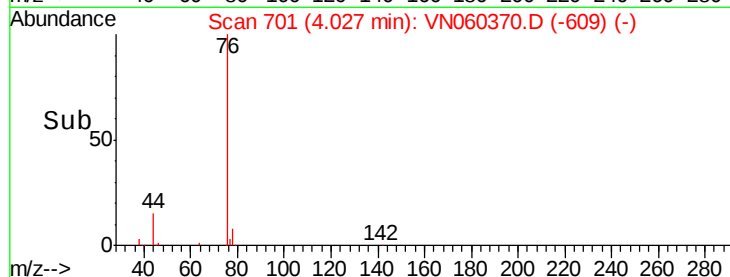
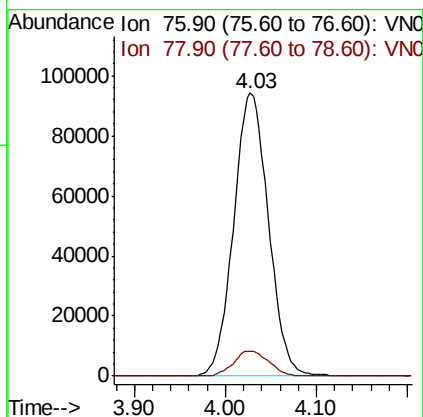
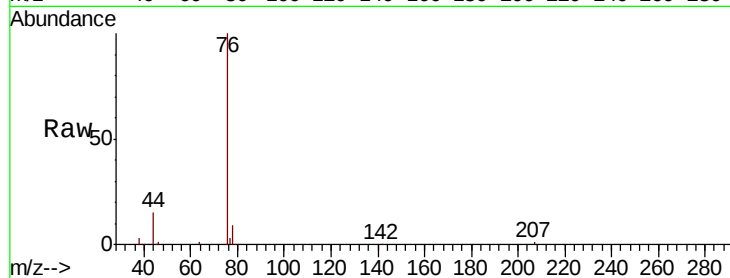




#17
Carbon Disulfide
Concen: 49.195 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

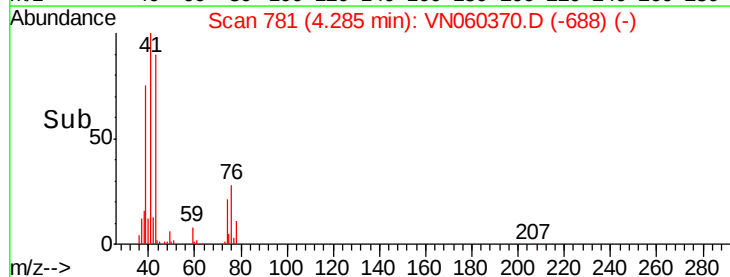
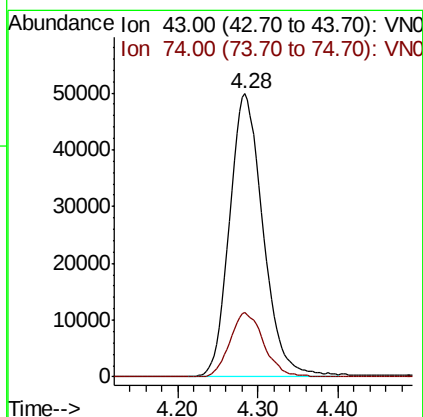
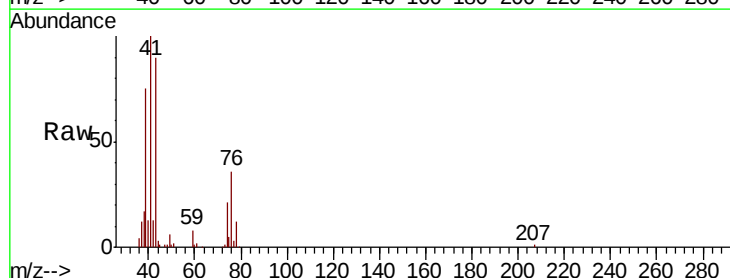
Instrument :
MSVOA_N
ClientSampled :

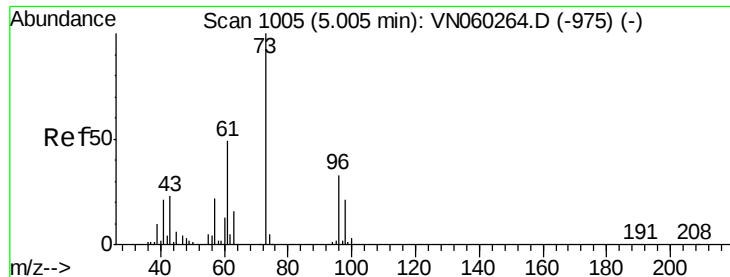
Tot Ion: 76 Resp: 249960
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 51.747 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 43 Resp: 142564
Ion Ratio Lower Upper
43 100
74 22.8 18.8 28.2

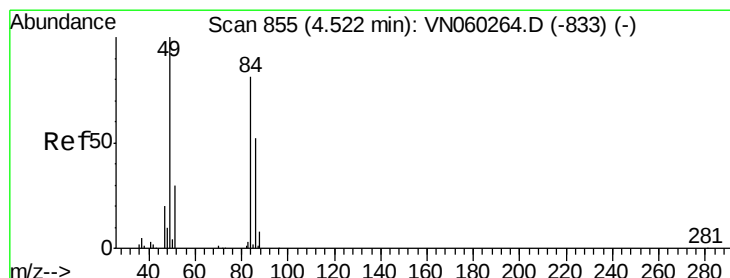
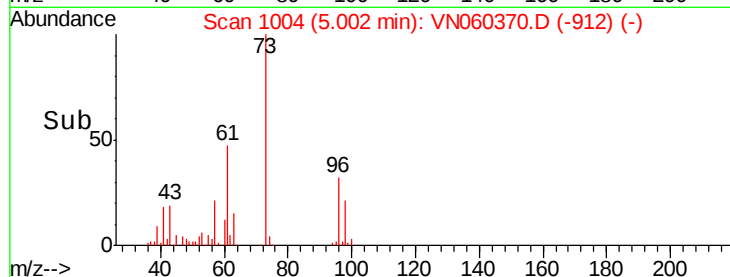
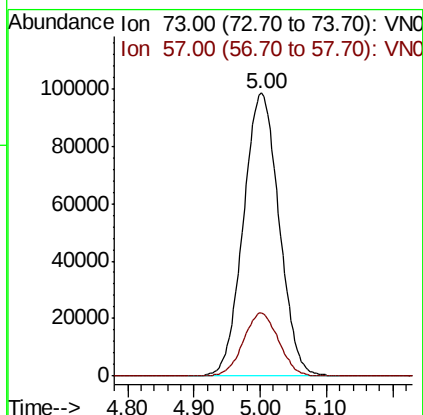
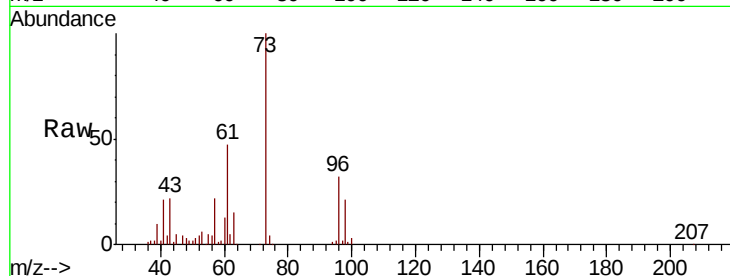




#19
Methyl tert-butyl Ether
Concen: 53.027 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

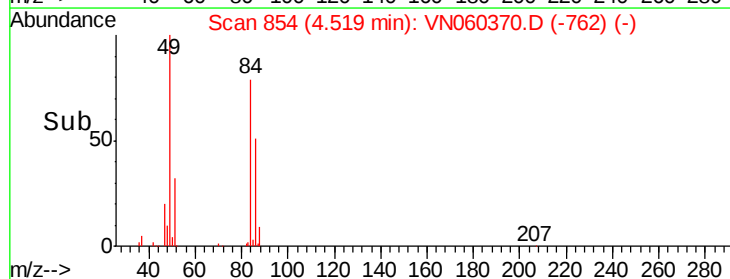
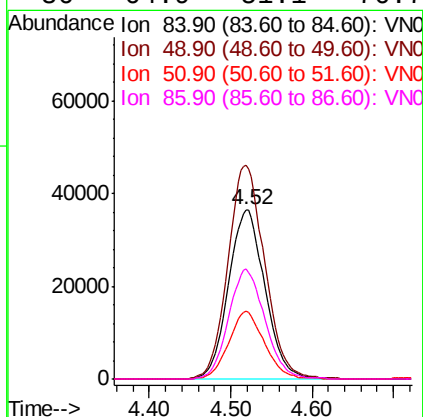
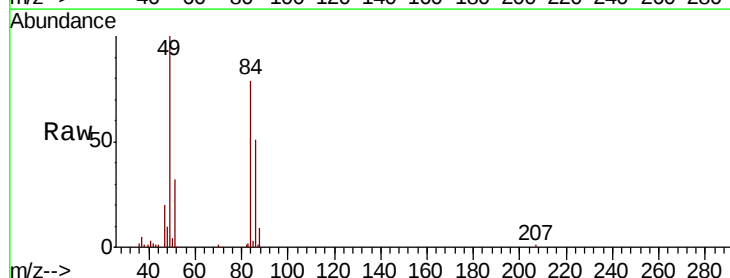
Instrument :
MSVOA_N
ClientSampled :

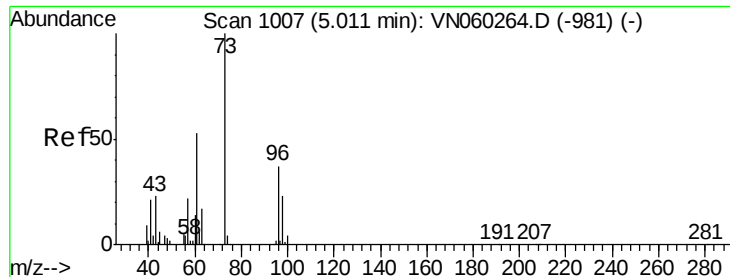
Tot Ion: 73 Resp: 368541
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9



#20
Methylene Chloride
Concen: 50.227 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 84 Resp: 113875
Ion Ratio Lower Upper
84 100
49 126.4 99.3 148.9
51 40.2 30.1 45.1
86 64.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 50.941 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

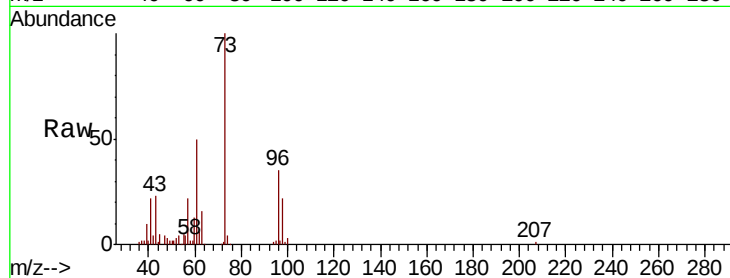
Tot Ion: 96 Resp: 104753

Ion Ratio Lower Upper

96 100

61 145.7 113.8 170.8

98 63.1 48.8 73.2

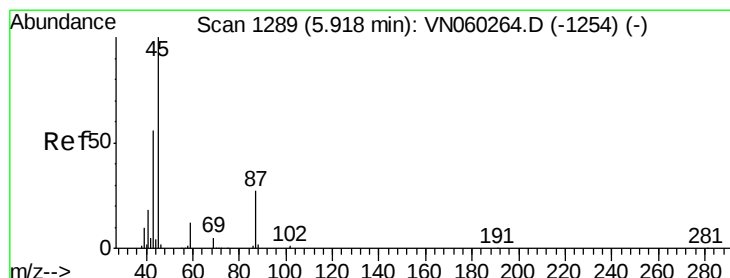
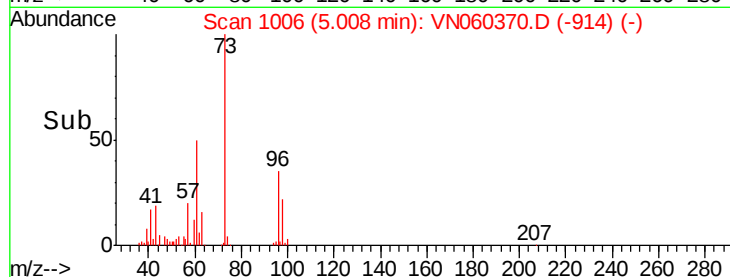
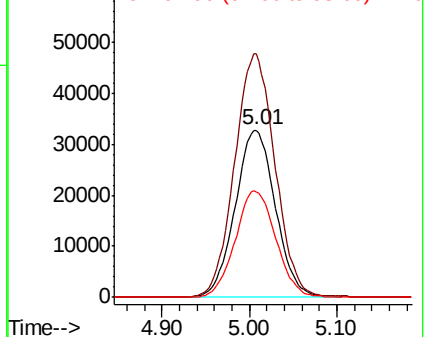


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 55.434 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion: 45 Resp: 396311

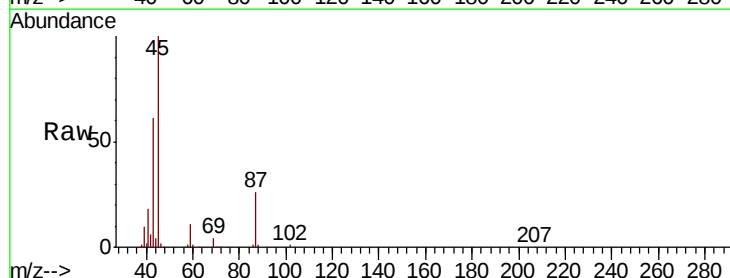
Ion Ratio Lower Upper

45 100

43 59.6 48.6 72.8

87 26.2 22.2 33.2

59 11.0 9.5 14.3



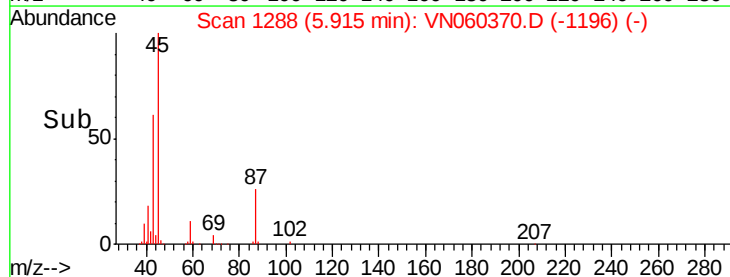
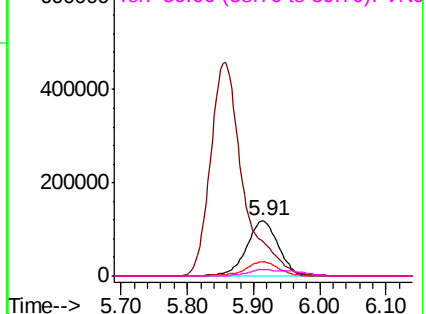
Abundance

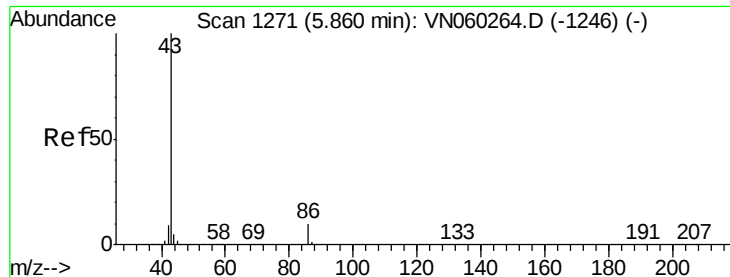
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 276.078 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

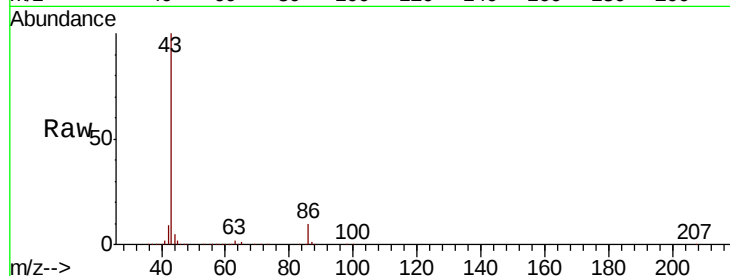
ClientSampled :

Tot Ion: 43 Resp: 1568410

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060370.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060370.D (-1178) (-)

5.86

500000

400000

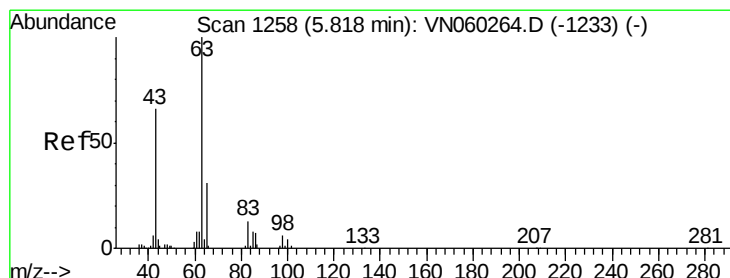
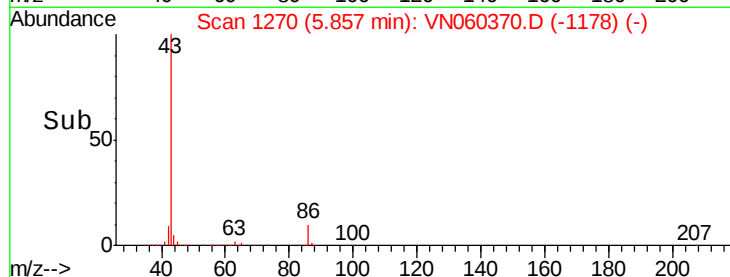
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.505 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

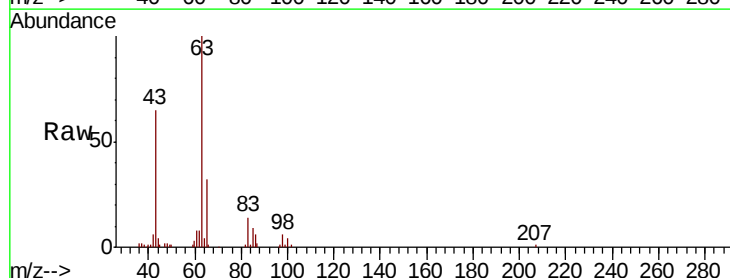
Tgt Ion: 63 Resp: 216530

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060370.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060370.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060370.D (-1165) (-)

80000

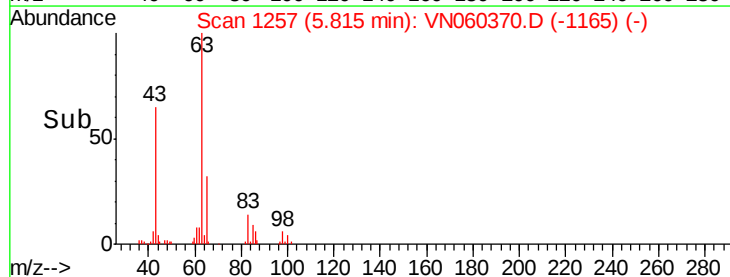
60000

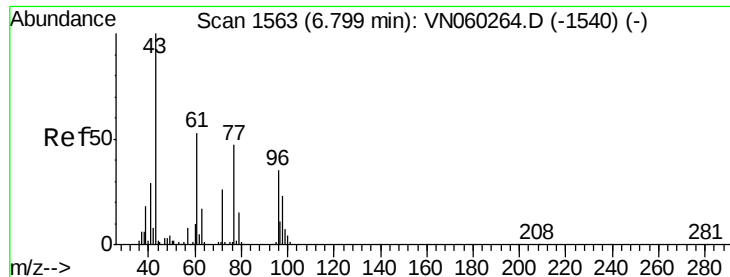
40000

20000

0

Time-->

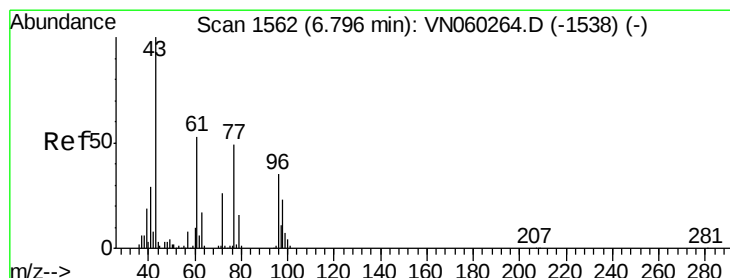
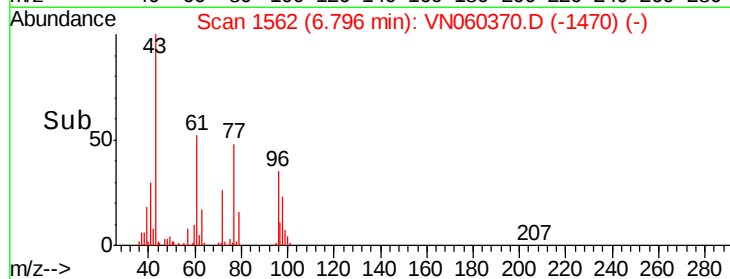
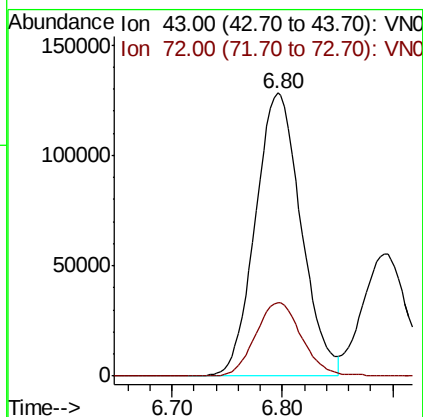
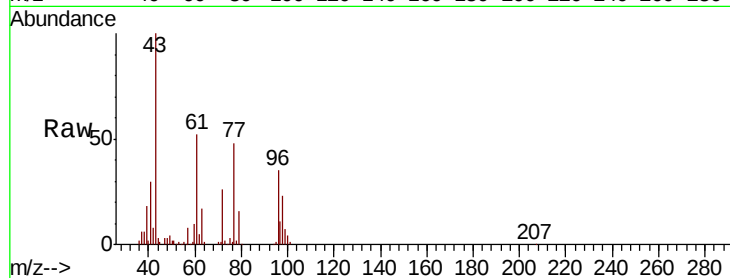




#25
 2-Butanone
 Concen: 276.339 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

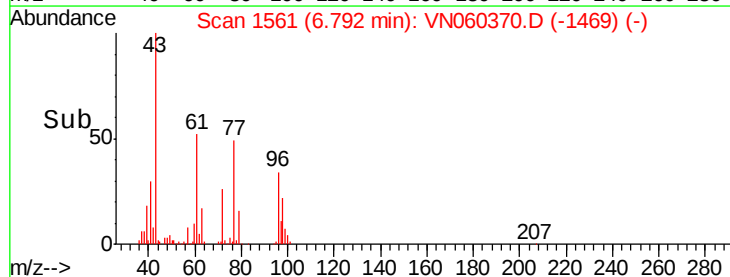
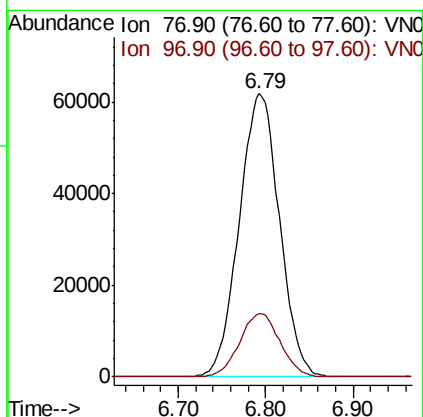
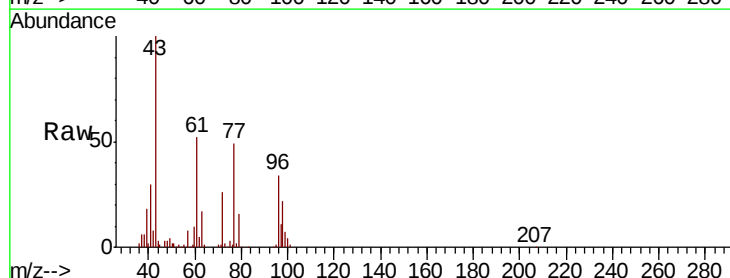
Instrument :
 MSVOA_N
 ClientSampled :

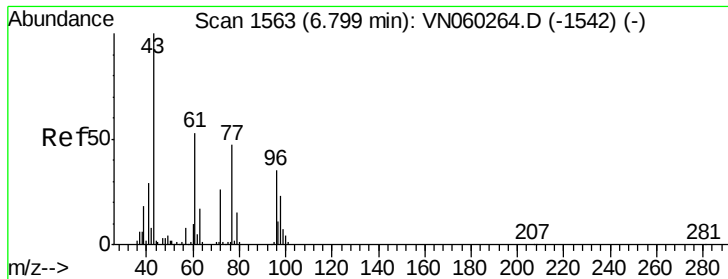
Tot Ion: 43 Resp: 368485
 Ion Ratio Lower Upper
 43 100
 72 26.1 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 53.576 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion: 77 Resp: 197386
 Ion Ratio Lower Upper
 77 100
 97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.555 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

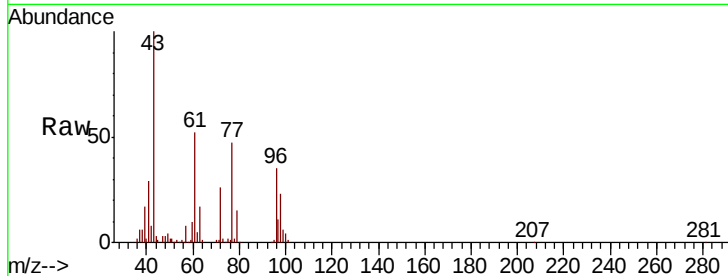
Tot Ion: 96 Resp: 130277

Ion Ratio Lower Upper

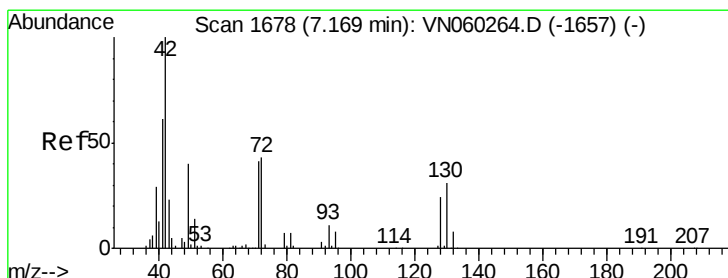
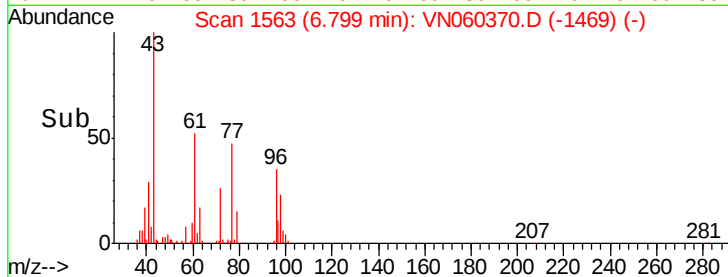
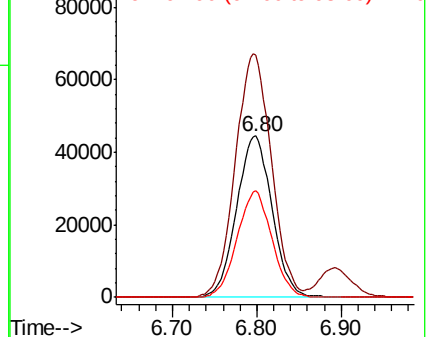
96 100

61 153.5 0.0 300.8

98 64.7 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: 50.942 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

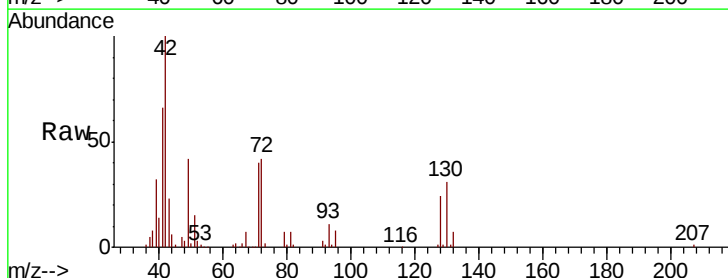
Tgt Ion: 49 Resp: 84645

Ion Ratio Lower Upper

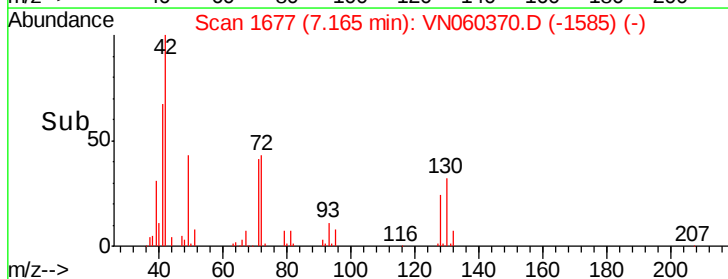
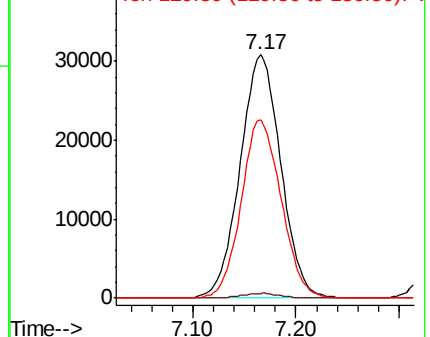
49 100

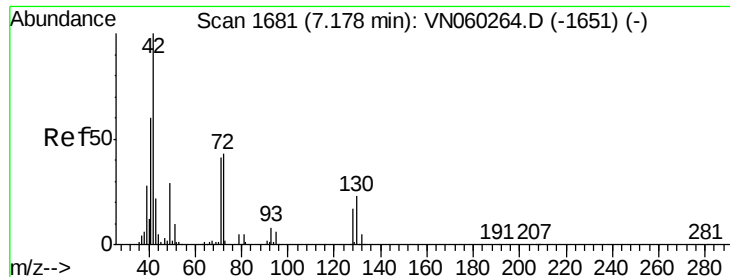
129 1.7 0.0 3.8

130 71.6 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: 266.833 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

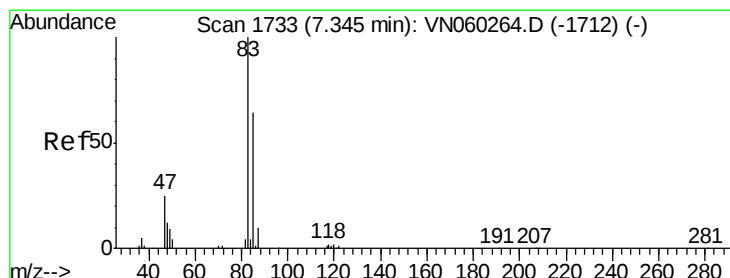
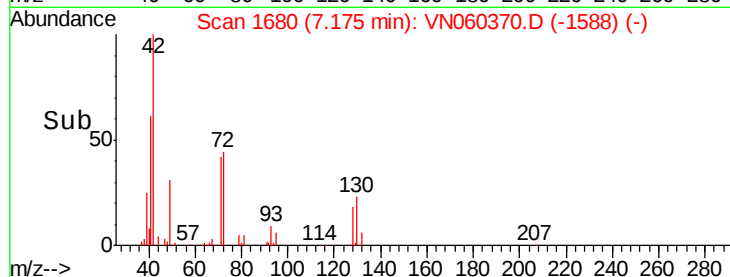
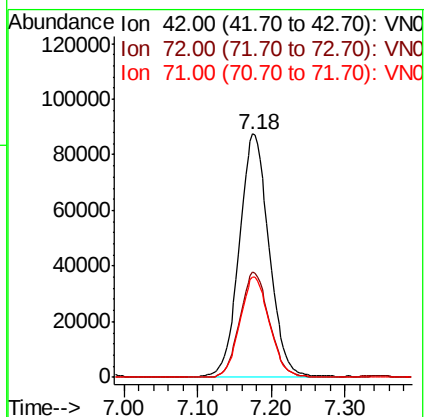
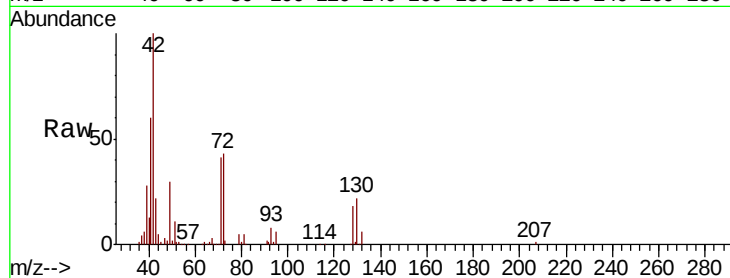
Tot Ion: 42 Resp: 247422

Ion Ratio Lower Upper

42 100

72 42.6 34.6 52.0

71 40.6 32.9 49.3



#30

Chloroform

Concen: 53.850 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060370.D

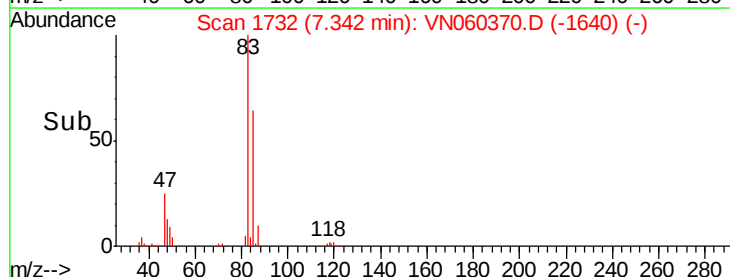
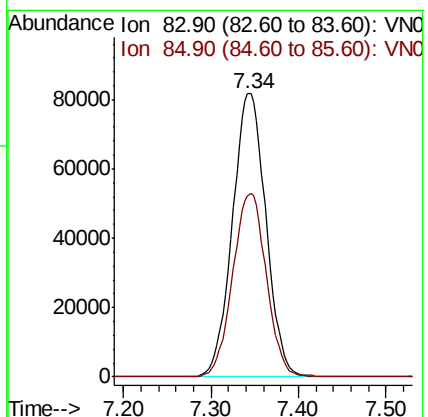
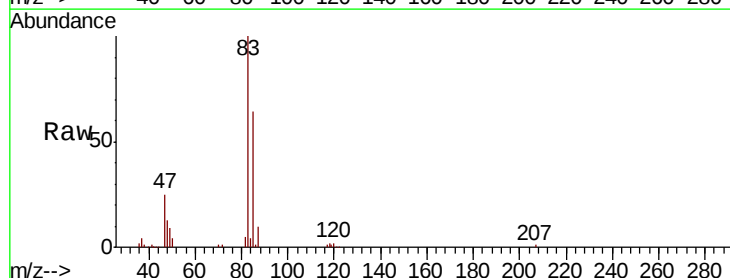
Acq: 6 Mar 2020 10:38

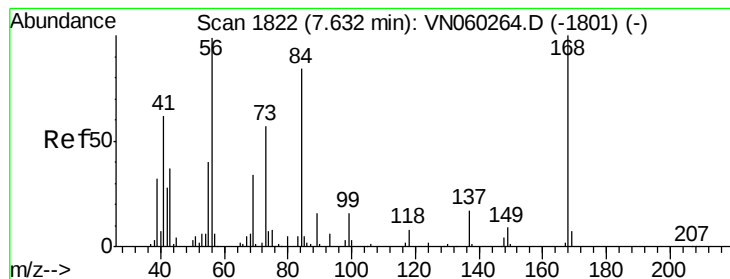
Tgt Ion: 83 Resp: 216945

Ion Ratio Lower Upper

83 100

85 64.1 51.4 77.2





#31

Cyclohexane

Concen: 54.178 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :

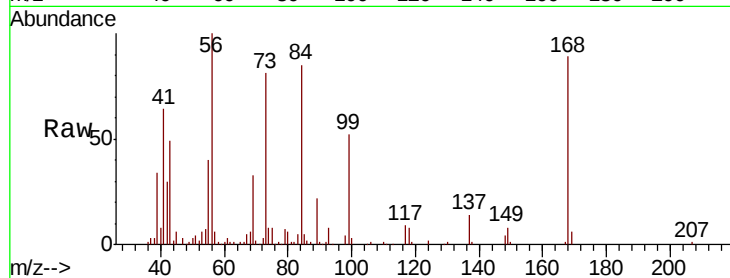
Tot Ion: 56 Resp: 186718

Ion Ratio Lower Upper

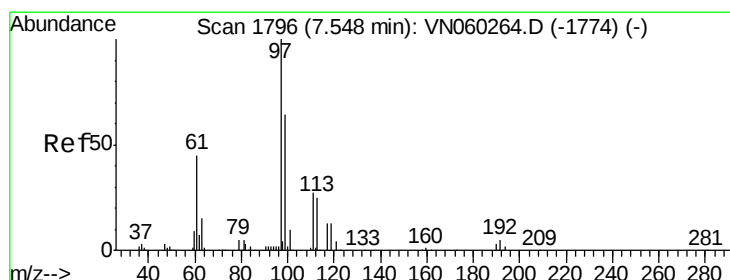
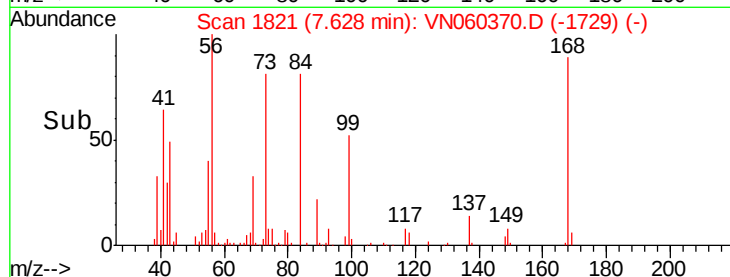
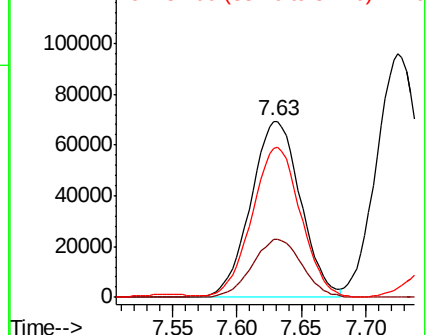
56 100

69 32.8 27.2 40.8

84 83.7 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 53.073 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

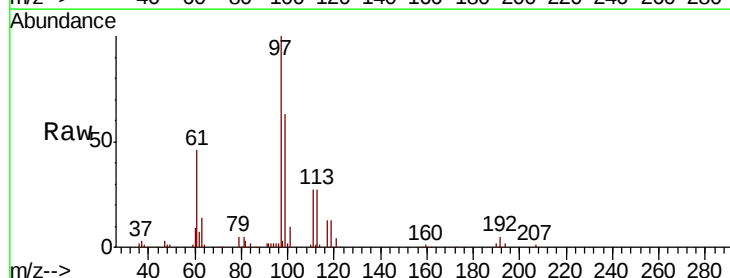
Tgt Ion: 97 Resp: 189441

Ion Ratio Lower Upper

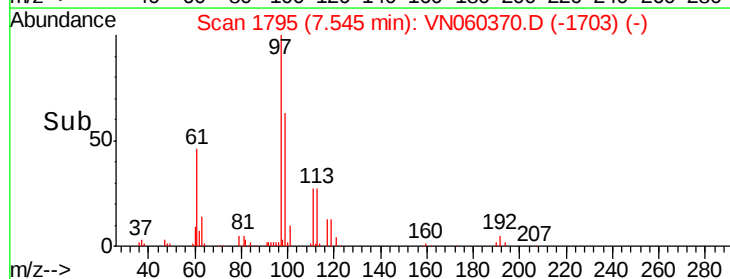
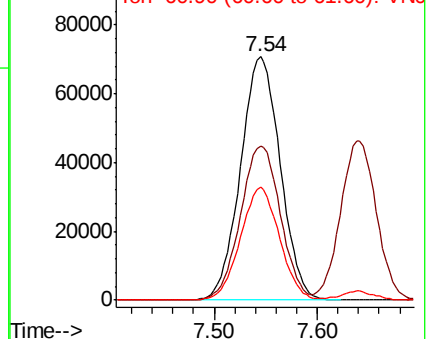
97 100

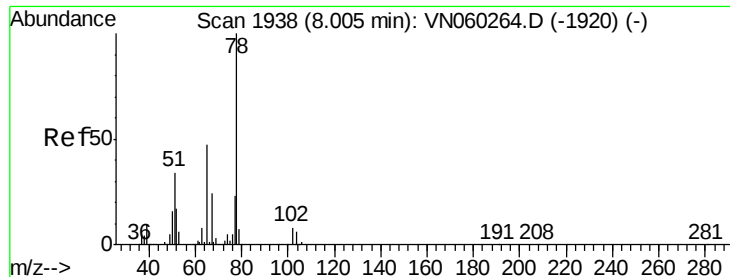
99 63.8 51.4 77.0

61 45.7 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.864 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

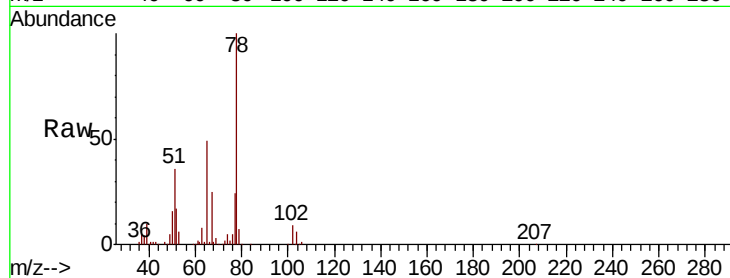
ClientSampled :

Tot Ion: 65 Resp: 124917

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060370.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060370.D (-1845) (-)

8.00

60000

50000

40000

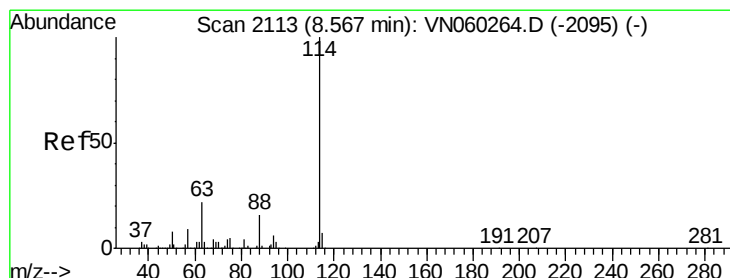
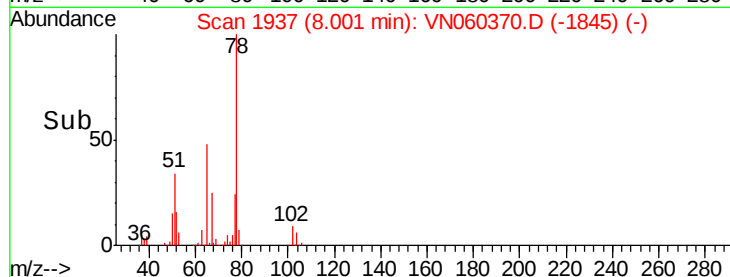
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

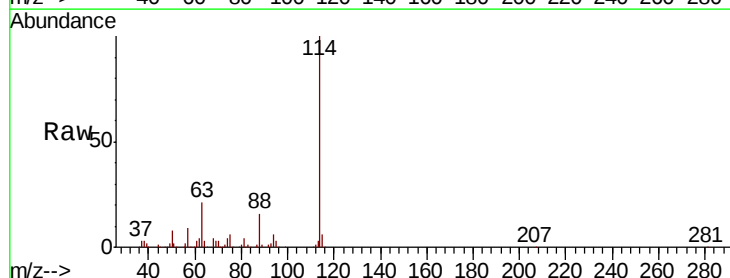
Tgt Ion: 114 Resp: 323246

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060370.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060370.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060370.D (-2020) (-)

8.56

200000

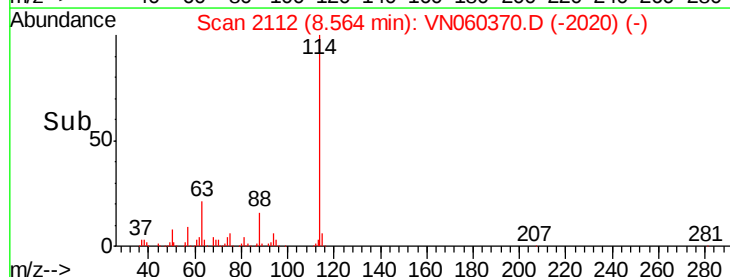
150000

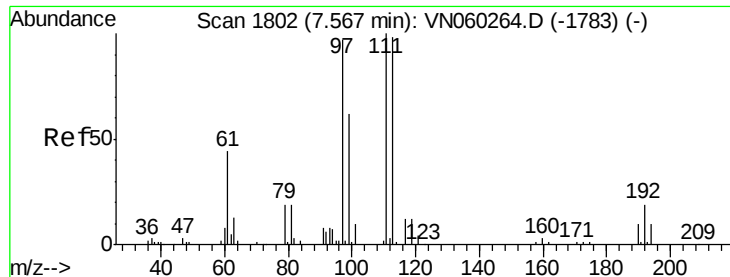
100000

50000

0

Time-->

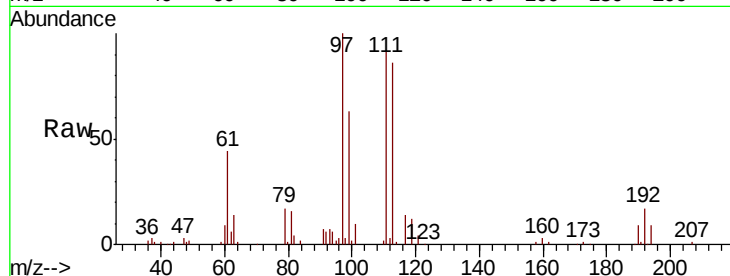




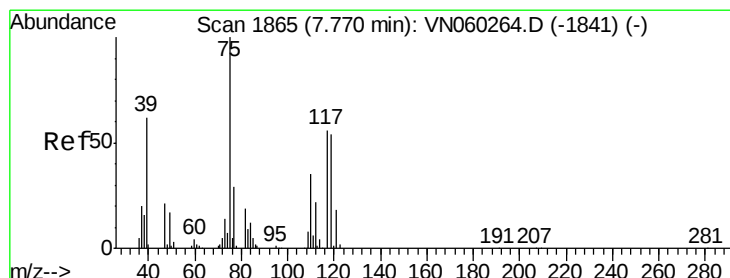
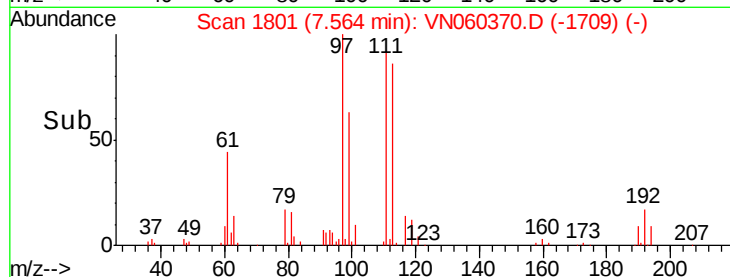
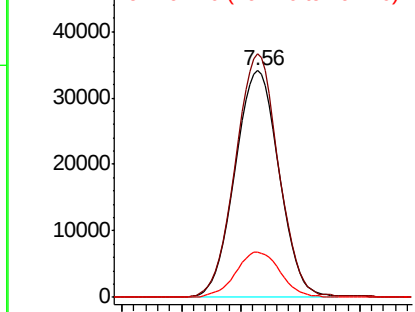
#35
 Dibromofluoromethane
 Concen: 58.452 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 87702
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.4 123.6
 192 20.2 16.2 24.2

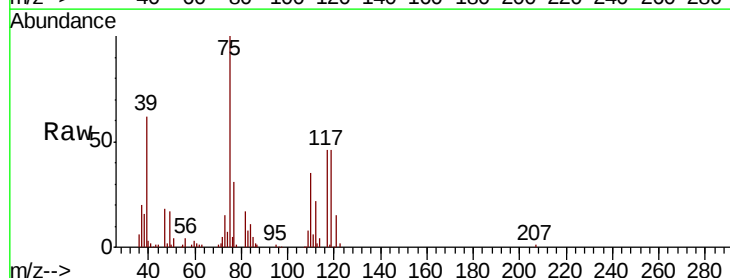


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

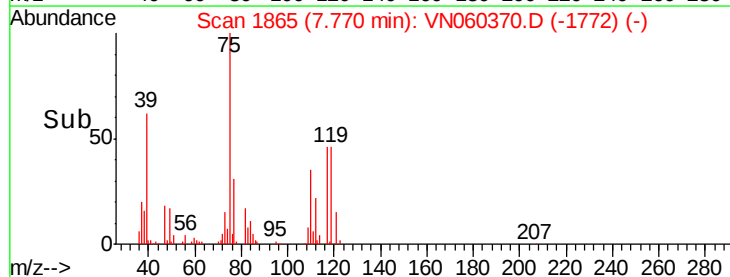
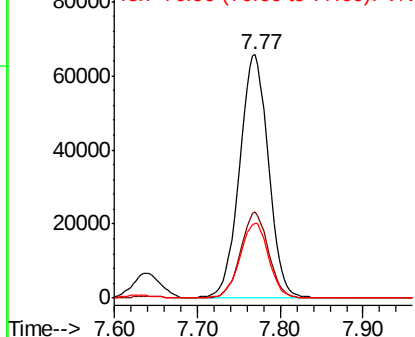


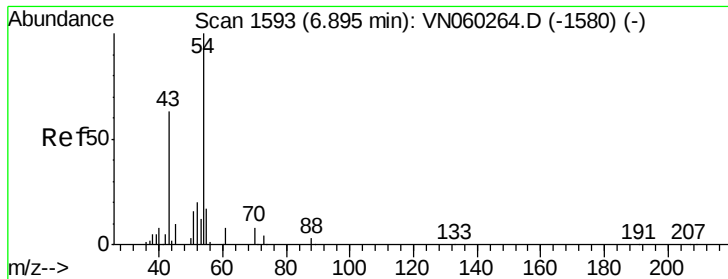
#36
 1,1-Dichloropropene
 Concen: 51.836 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion: 75 Resp: 159690
 Ion Ratio Lower Upper
 75 100
 110 33.9 17.3 52.0
 77 30.5 24.2 36.2



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

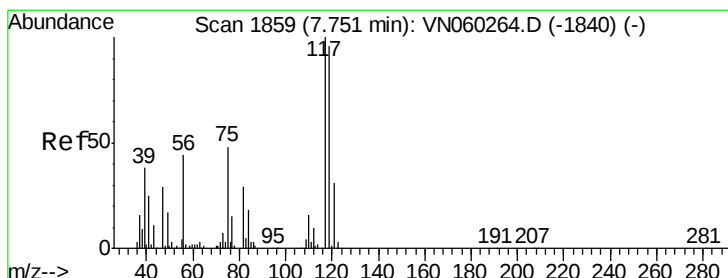
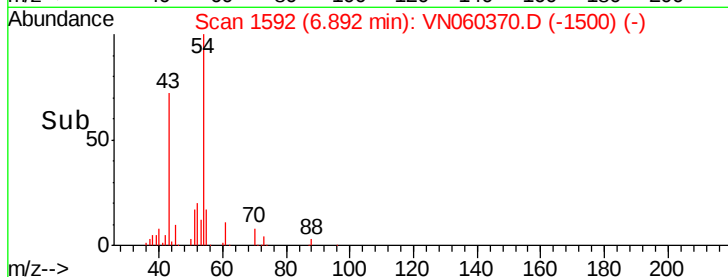
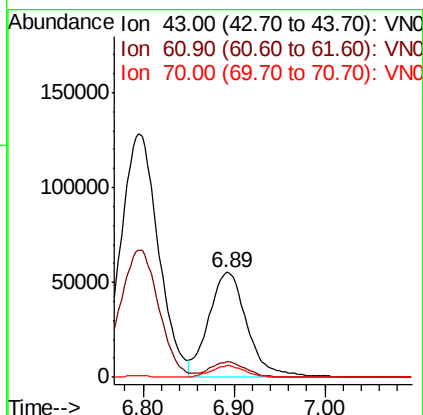
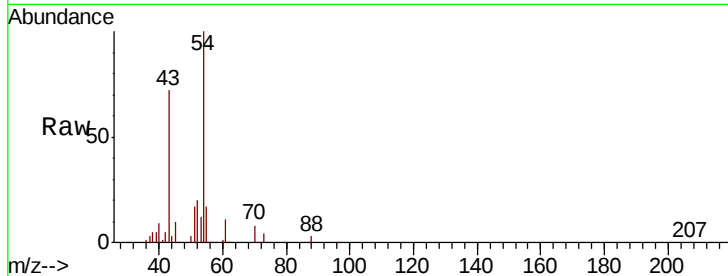




#37
Ethyl Acetate
Concen: 54.849 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

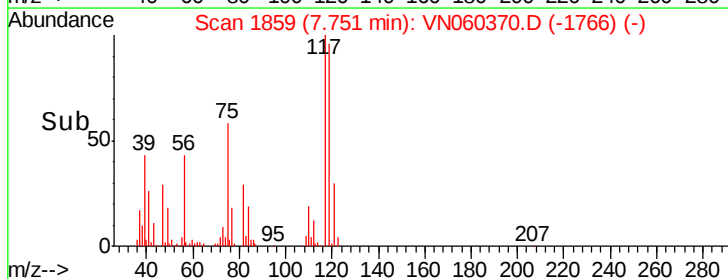
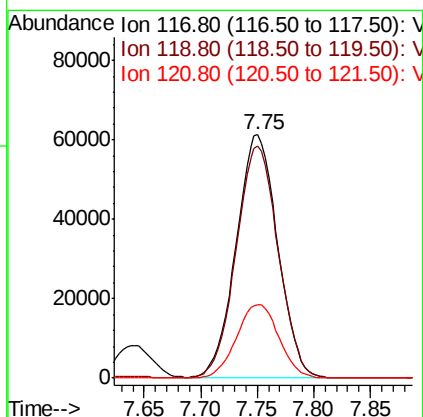
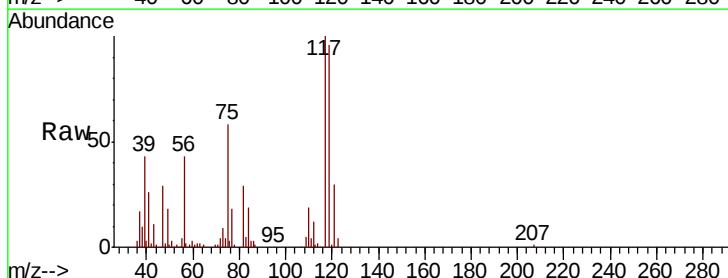
Instrument :
MSVOA_N
ClientSampleId :

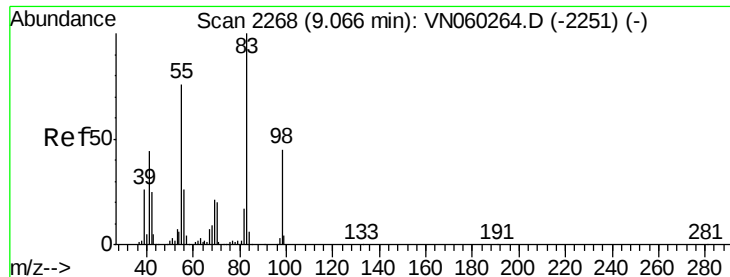
Tot Ion: 43 Resp: 159996
Ion Ratio Lower Upper
43 100
61 14.0 11.1 16.7
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 52.336 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 117 Resp: 156978
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1
121 29.9 24.5 36.7

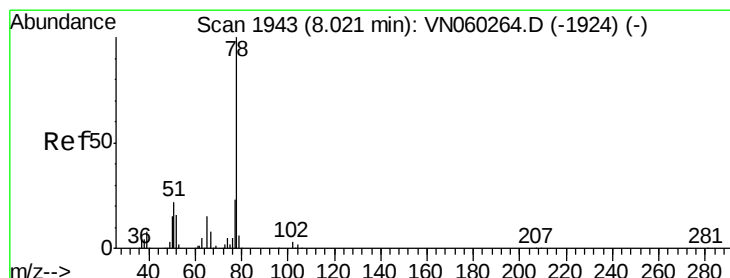
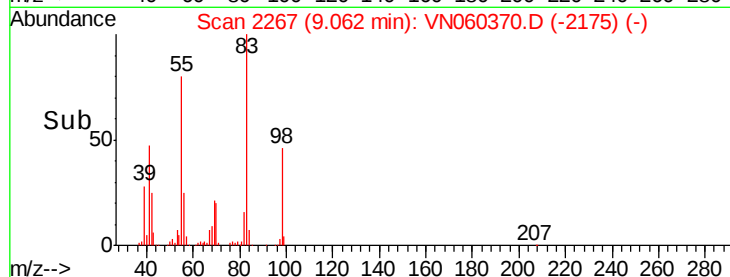
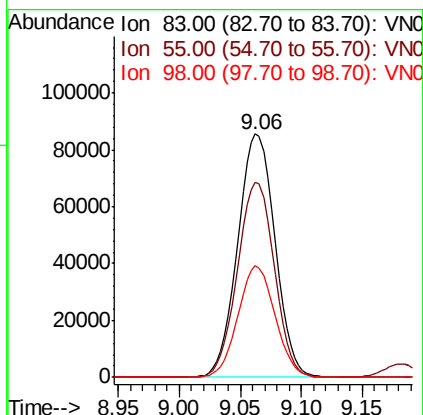
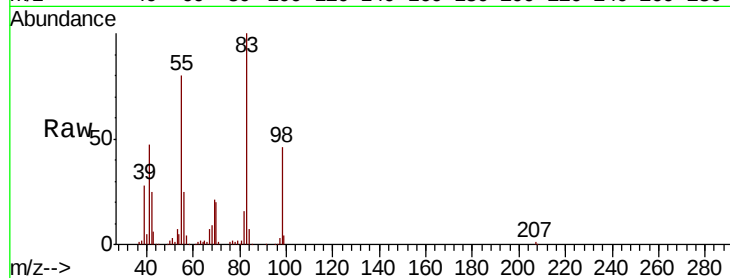




#39
Methvlcvclohexane
Concen: 49.830 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

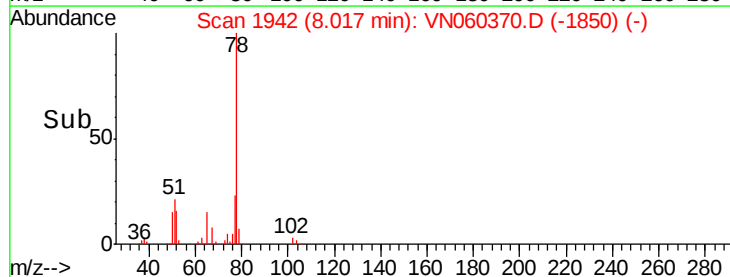
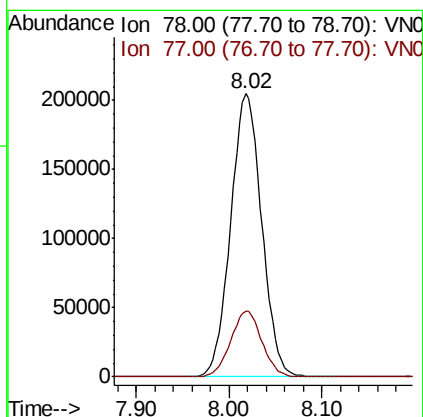
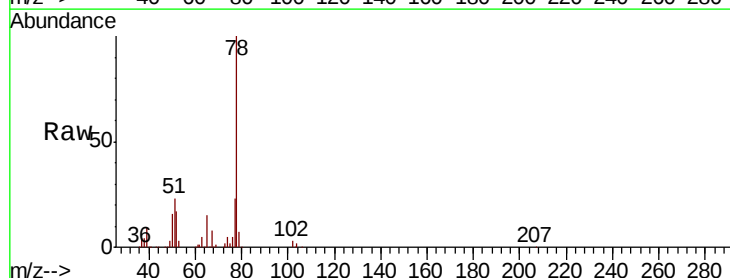
Instrument :
MSVOA_N
ClientSampled :

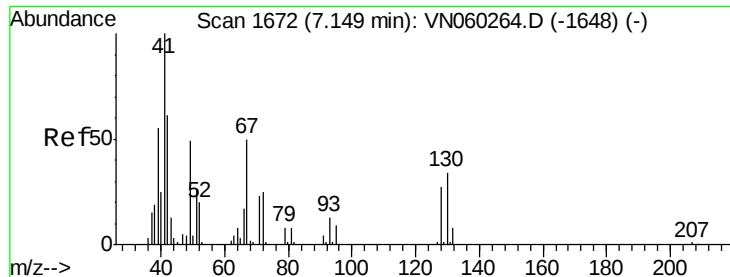
Tot Ion: 83 Resp: 180996
Ion Ratio Lower Upper
83 100
55 80.0 61.0 91.4
98 45.7 36.1 54.1



#40
Benzene
Concen: 52.983 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 78 Resp: 475072
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

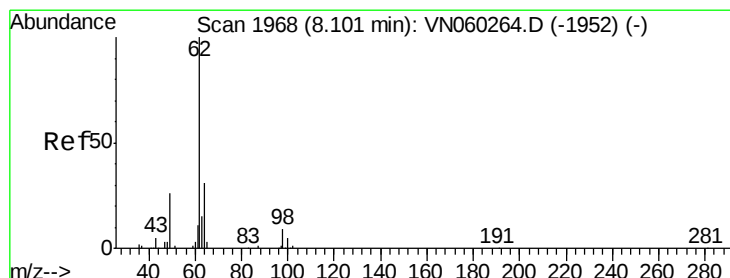
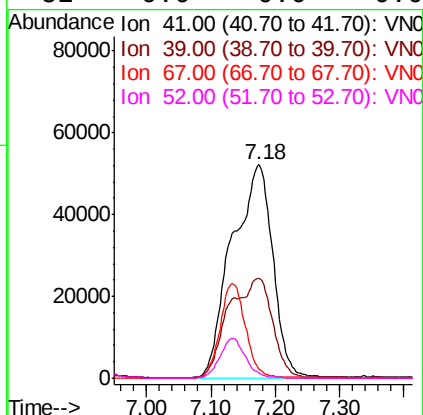
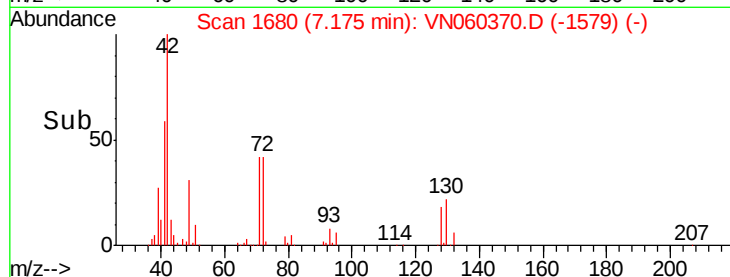
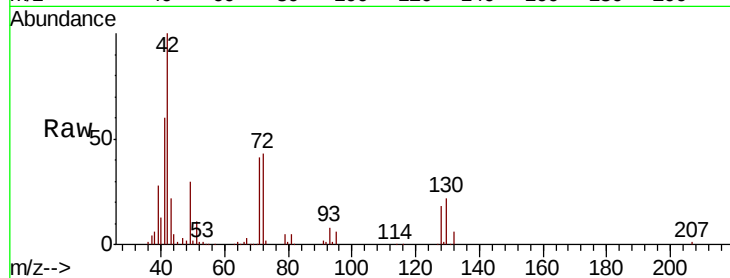




#41
Methacrylonitrile
Concen: 171.007 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

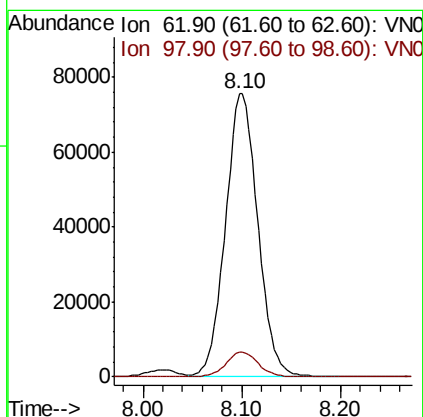
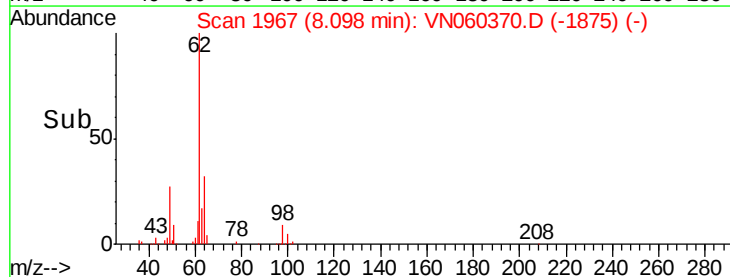
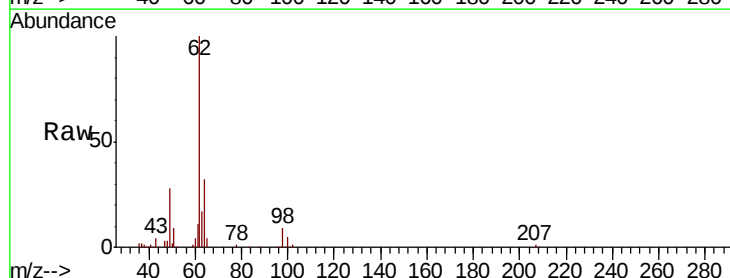
Instrument :
MSVOA_N
ClientSampleId :

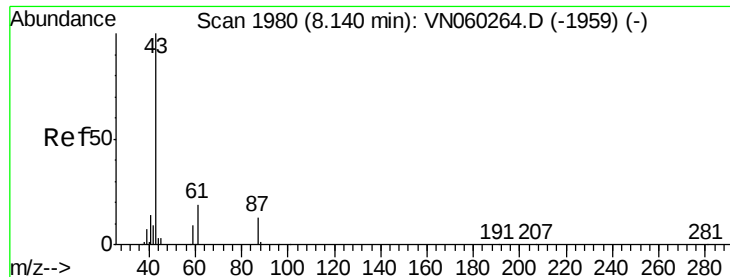
Tot Ion: 41 Resp: 230329
Ion Ratio Lower Upper
41 100
39 50.1 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 53.545 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 62 Resp: 173252
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.0





#43

Isopropyl Acetate

Concen: 56.027 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

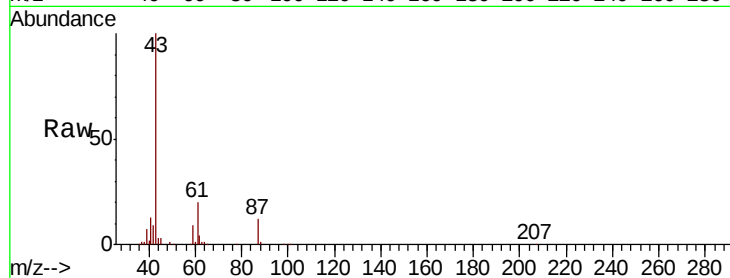
Tot Ion: 43 Resp: 286118

Ion Ratio Lower Upper

43 100

61 25.6 20.9 31.3

87 12.4 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060370.D (-1979) (-)

Ion 61.00 (60.70 to 61.70): VN060370.D (-1979) (-)

Ion 87.00 (86.70 to 87.70): VN060370.D (-1979) (-)

8.14

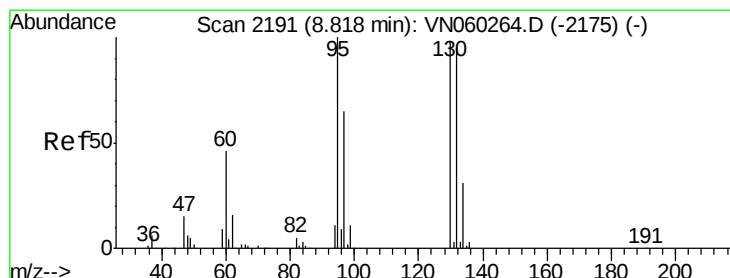
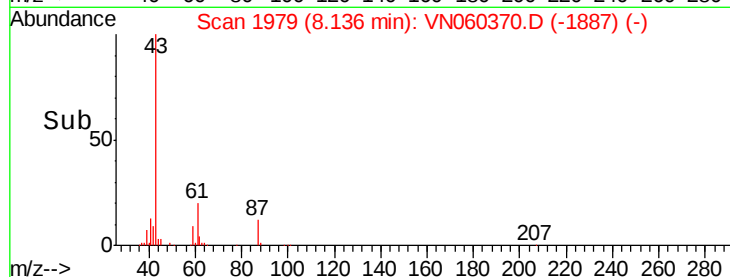
150000

100000

50000

0

Time--> 8.00 8.10 8.20



#44

Trichloroethene

Concen: 52.294 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060370.D

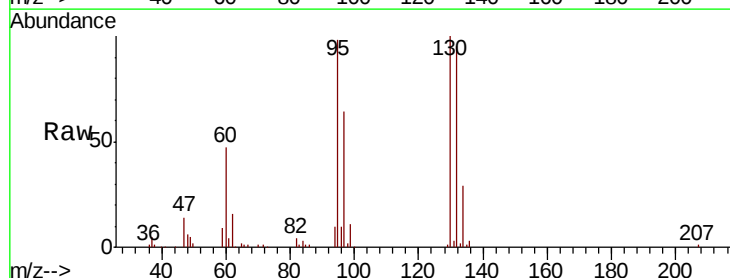
Acq: 6 Mar 2020 10:38

Tgt Ion:130 Resp: 130590

Ion Ratio Lower Upper

130 100

95 98.4 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060370.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN060370.D (-2191) (-)

8.82

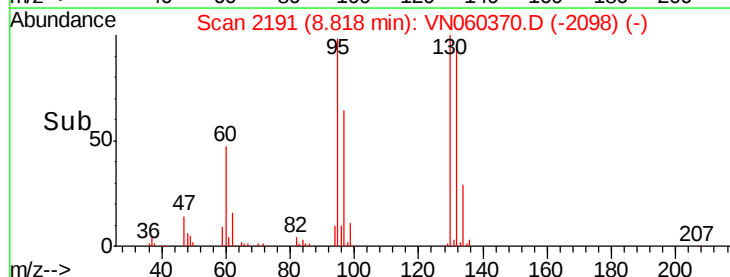
60000

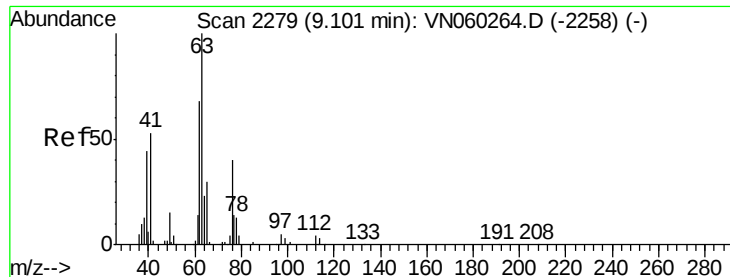
40000

20000

0

Time--> 8.70 8.80 8.90





#45

1,2-Dichloropropane

Concen: 55.916 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

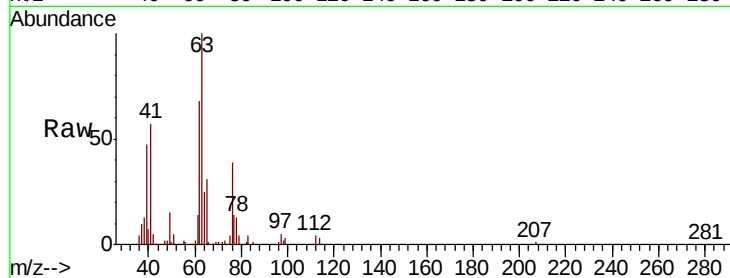
ClientSampleId :

Tot Ion: 63 Resp: 131086

Ion Ratio Lower Upper

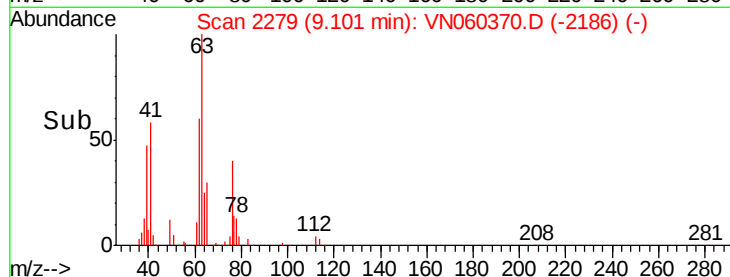
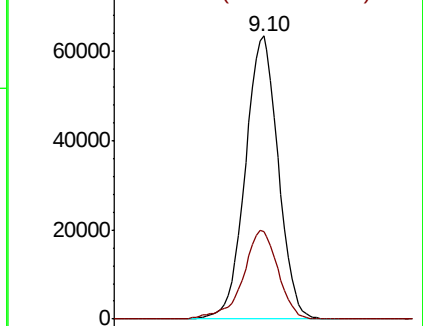
63 100

65 30.9 24.4 36.6

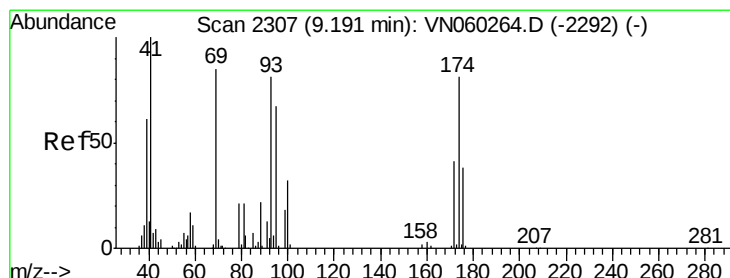


Abundance Ion 62.90 (62.60 to 63.60): VN060370.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060370.D (-2186) (-)



Time-->



#46

Dibromomethane

Concen: 52.986 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

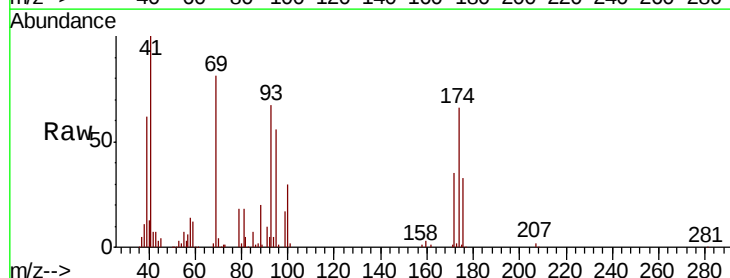
Tgt Ion: 93 Resp: 80600

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

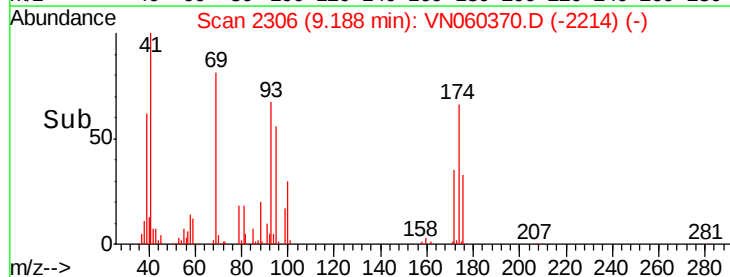
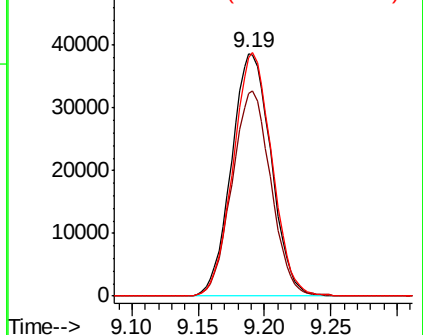
174 98.0 79.6 119.4



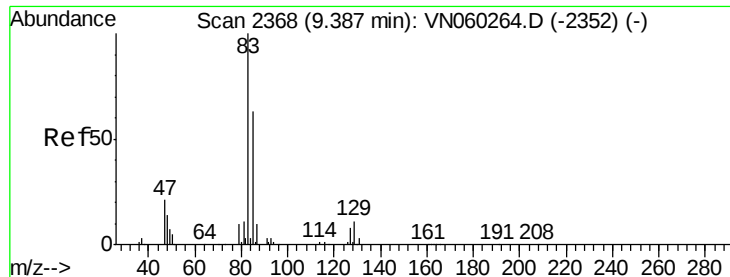
Abundance Ion 92.80 (92.50 to 93.50): VN060370.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060370.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060370.D (-2214) (-)



Time-->



#47

Bromodichloromethane

Concen: 56.040 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

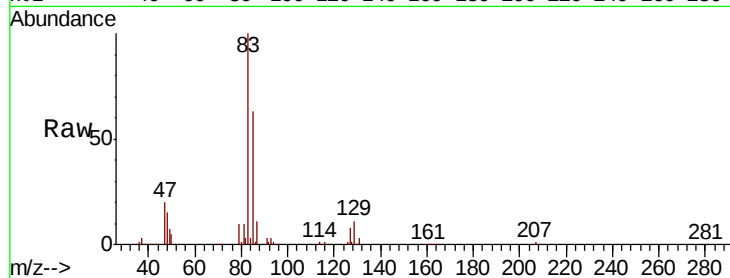
Tot Ion: 83 Resp: 173376

Ion Ratio Lower Upper

83 100

85 63.2 50.7 76.1

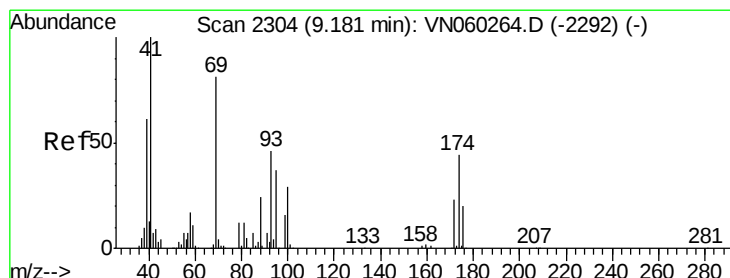
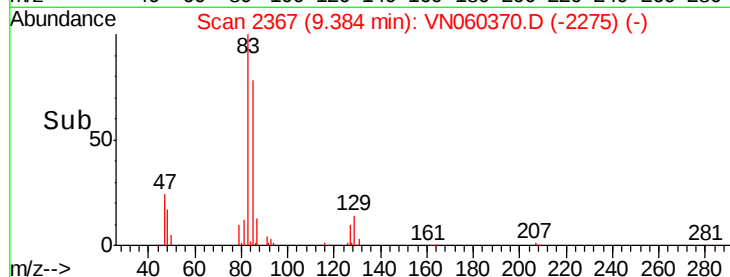
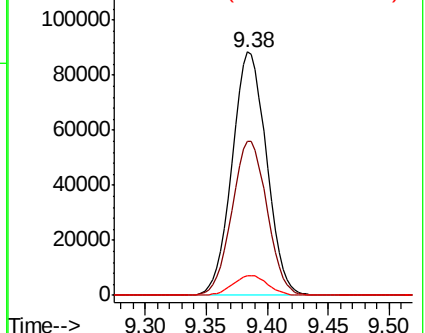
127 8.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060370.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060370.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060370.D (-2275) (-)



#48

Methyl methacrylate

Concen: 54.027 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

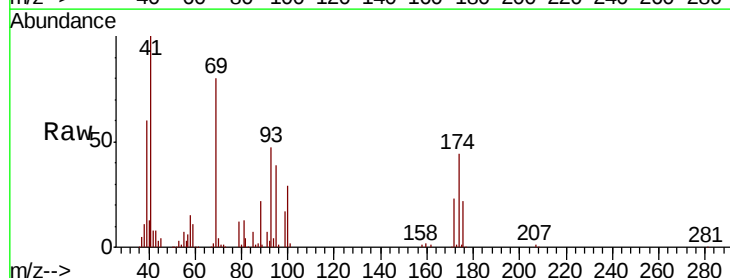
Tgt Ion: 41 Resp: 125816

Ion Ratio Lower Upper

41 100

69 83.0 66.7 100.1

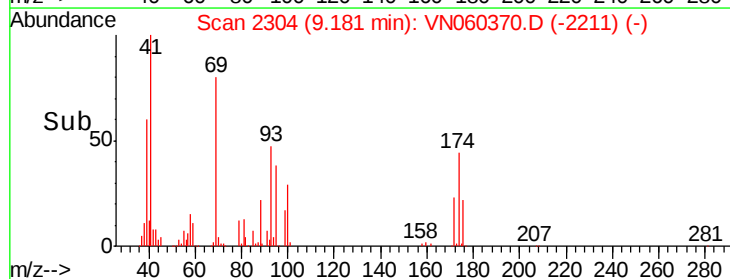
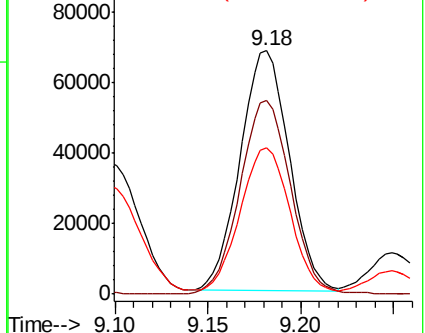
39 62.6 50.1 75.1

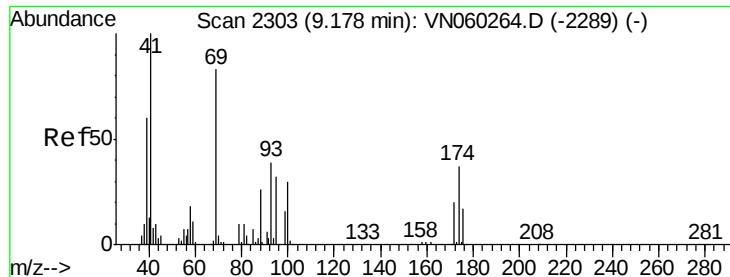


Abundance Ion 41.00 (40.70 to 41.70): VN060370.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060370.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060370.D (-2211) (-)

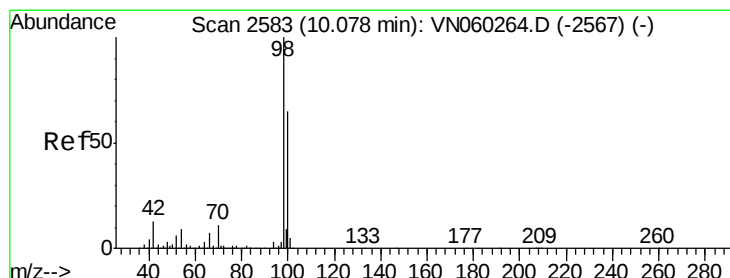
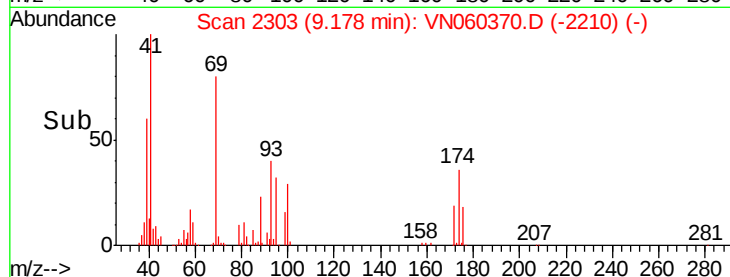
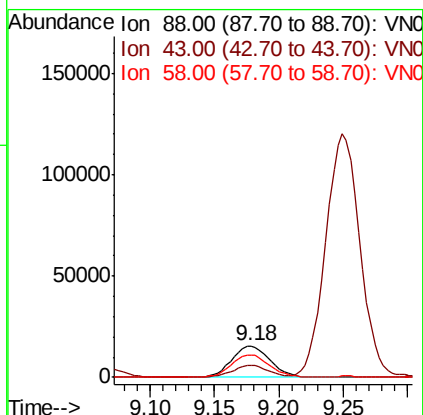
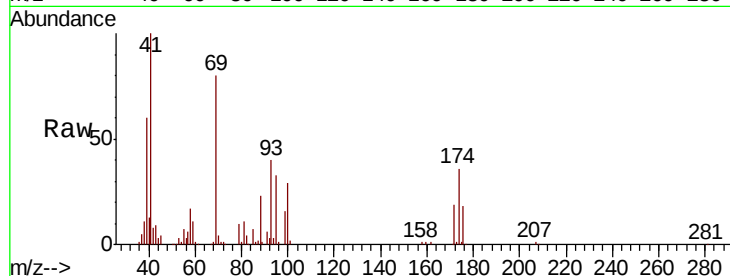




#49
1,4-Dioxane
Concen: 974.272 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

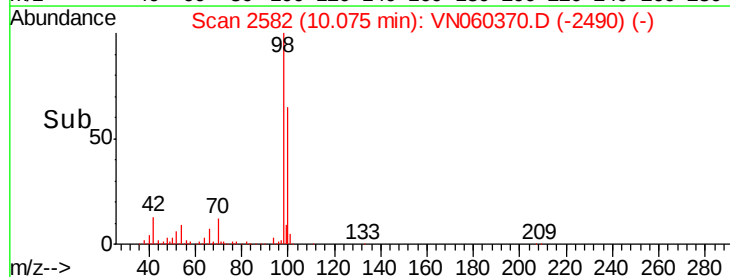
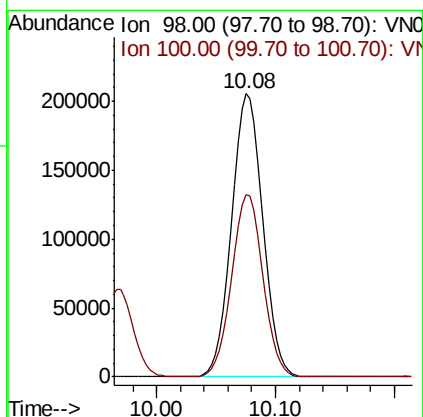
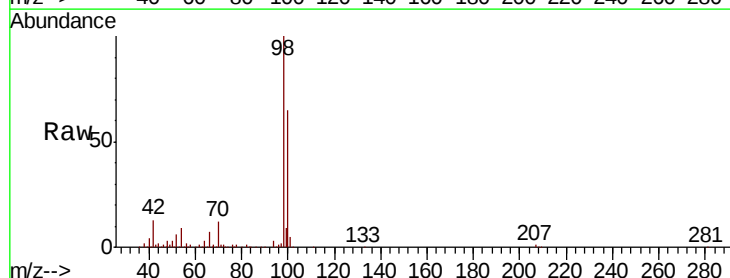
Instrument :
MSVOA_N
ClientSampleId :

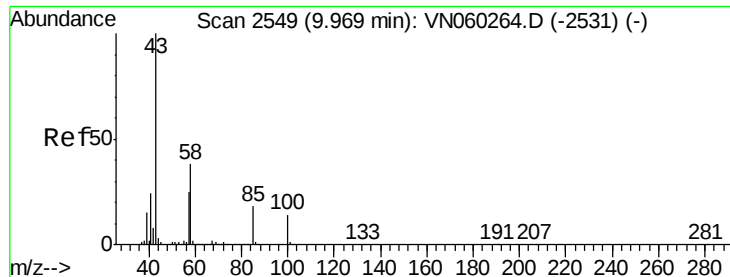
Tot Ion: 88 Resp: 31906
Ion Ratio Lower Upper
88 100
43 36.9 30.4 45.6
58 72.5 57.0 85.6



#50
Toluene-d8
Concen: 49.226 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 98 Resp: 373810
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 281.504 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

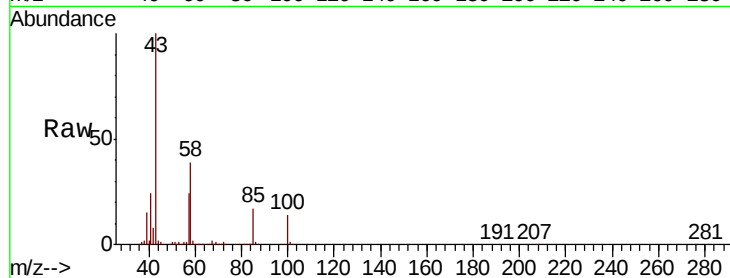
ClientSampleId :

Tot Ion: 43 Resp: 815080

Ion Ratio Lower Upper

43 100

58 38.5 30.9 46.3



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

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

9.97

500000

400000

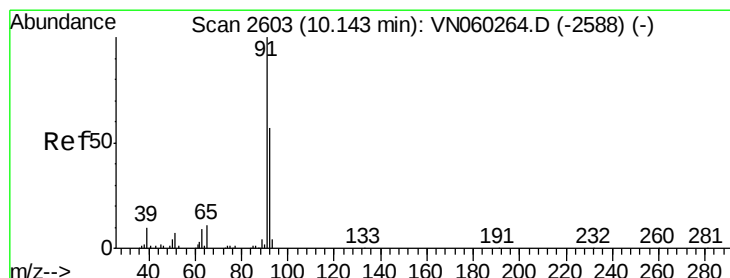
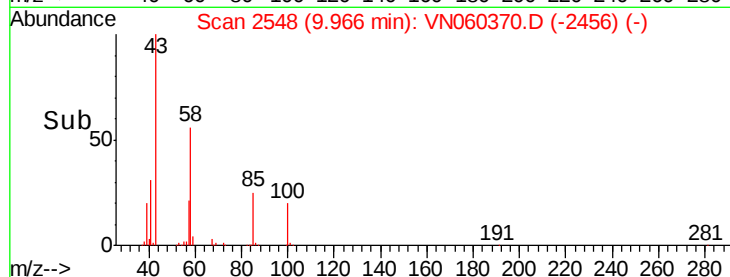
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.276 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060370.D

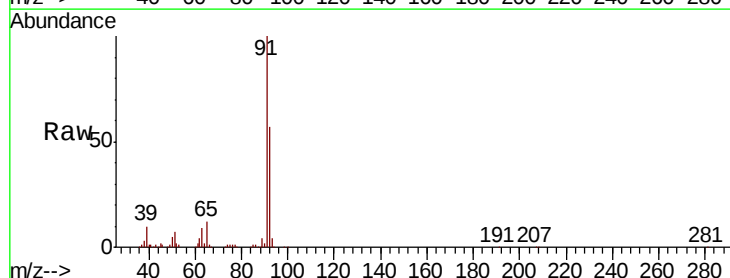
Acq: 6 Mar 2020 10:38

Tgt Ion: 92 Resp: 300073

Ion Ratio Lower Upper

92 100

91 172.9 138.1 207.1



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

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

10.14

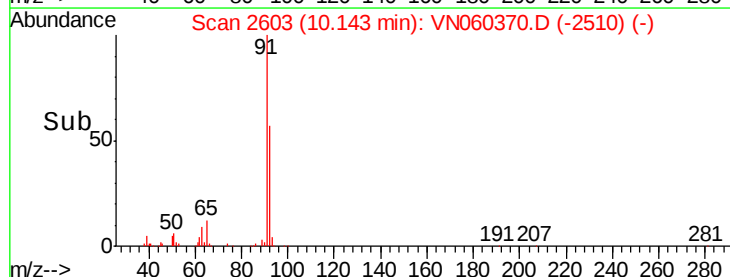
300000

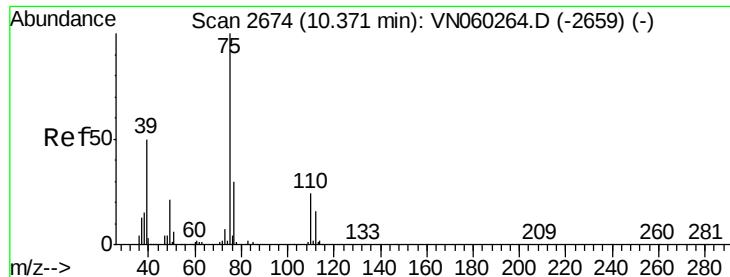
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.409 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

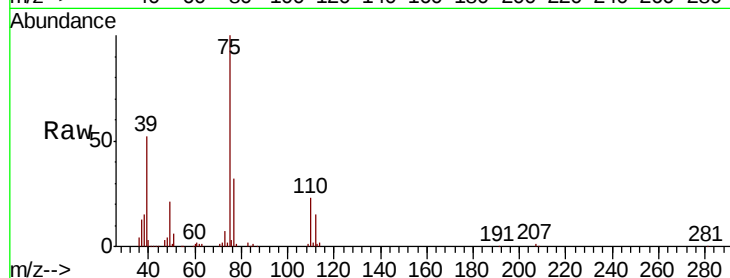
ClientSampleId :

Tot Ion: 75 Resp: 202467

Ion Ratio Lower Upper

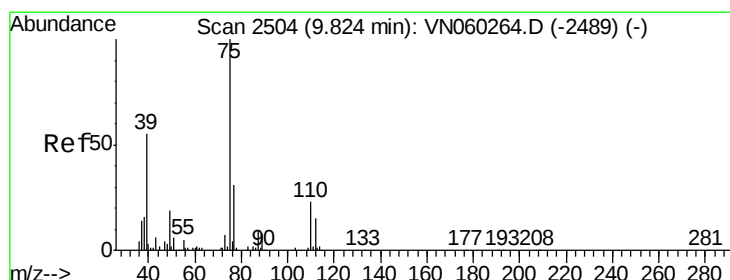
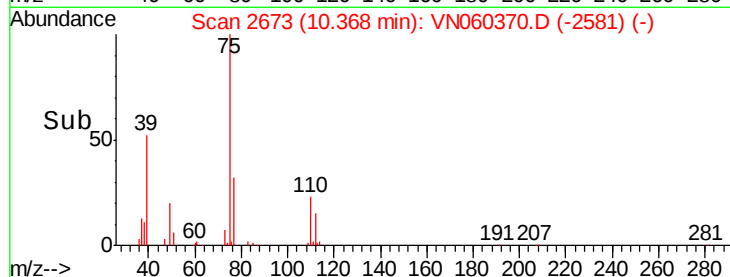
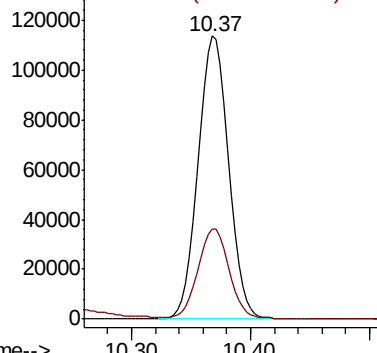
75 100

77 31.6 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: 53.834 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

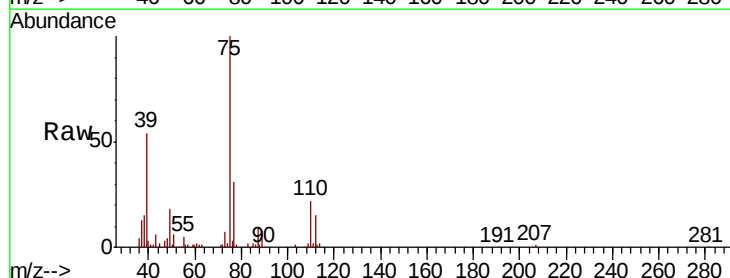
Tgt Ion: 75 Resp: 211469

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

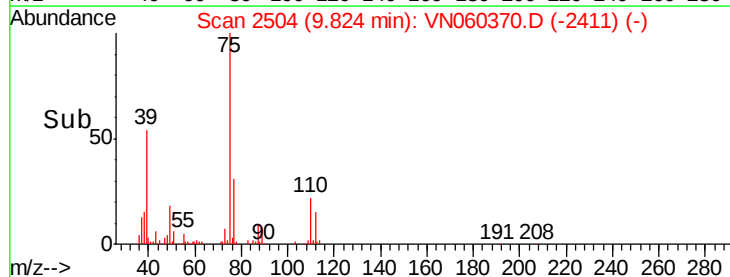
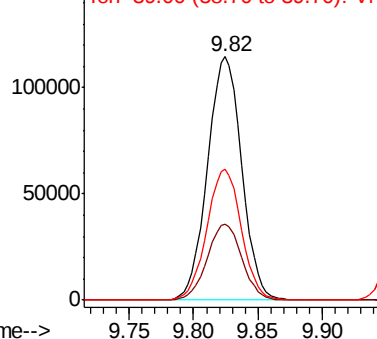
39 53.7 43.8 65.8

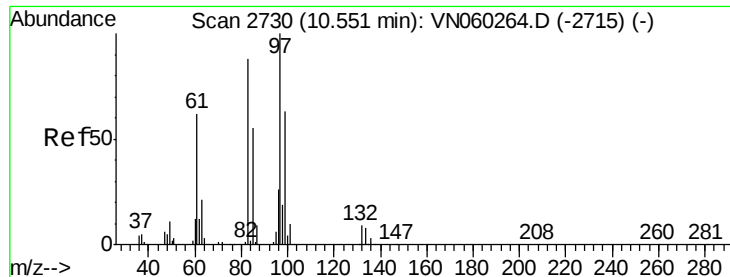


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.372 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

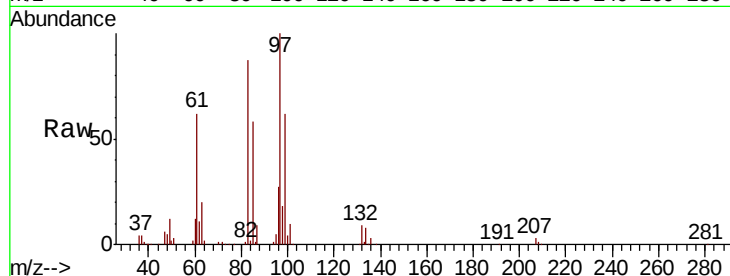
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 120890

Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.0	105.0
85	57.5	44.0	66.0
99	61.8	50.4	75.6



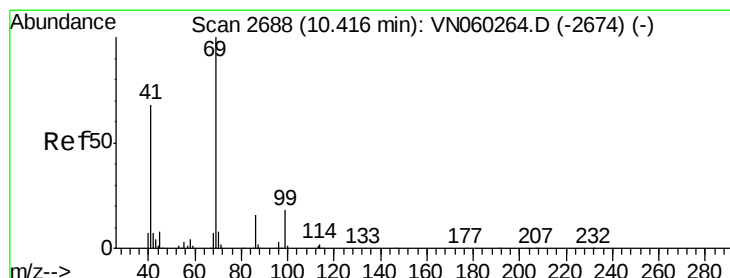
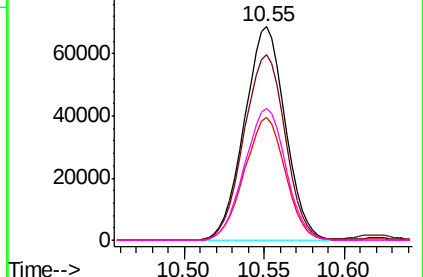
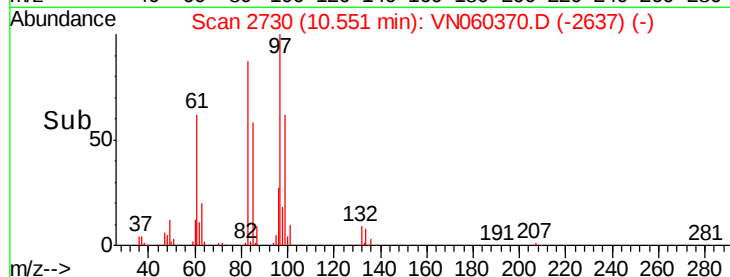
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 57.231 ug/l

RT: 10.42 min Scan# 2688

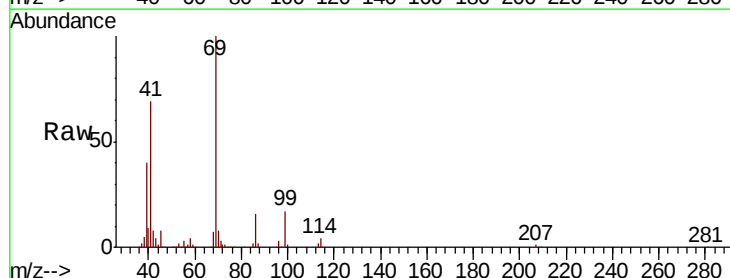
Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion: 69 Resp: 186235

Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.1	81.1
39	39.9	32.5	48.7

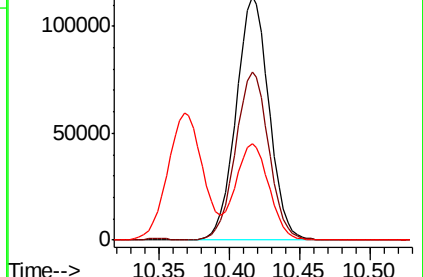
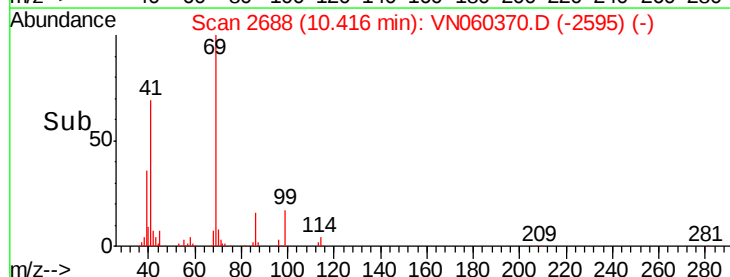


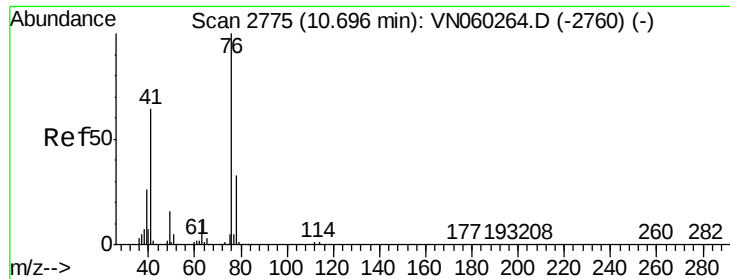
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

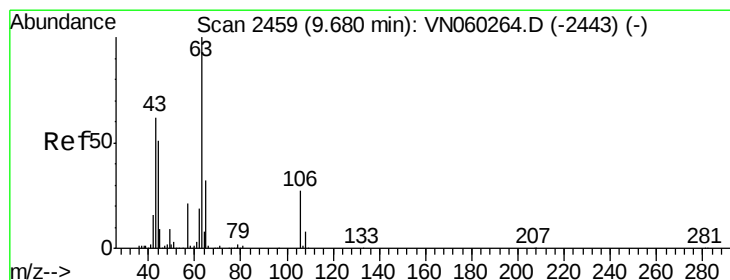
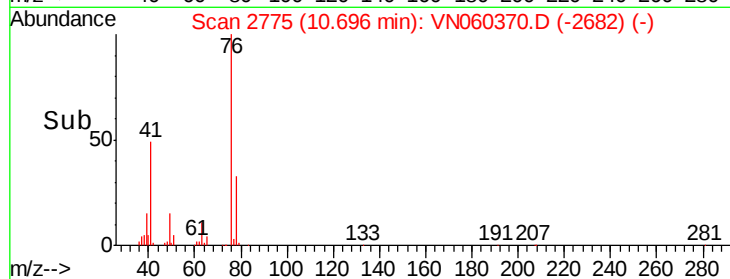
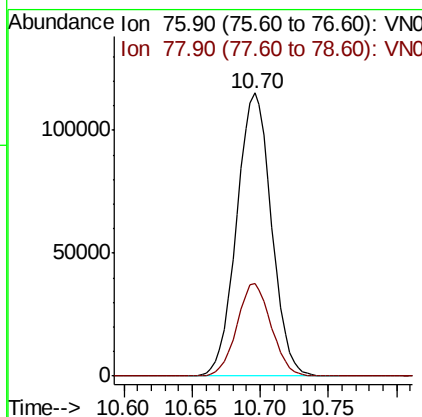
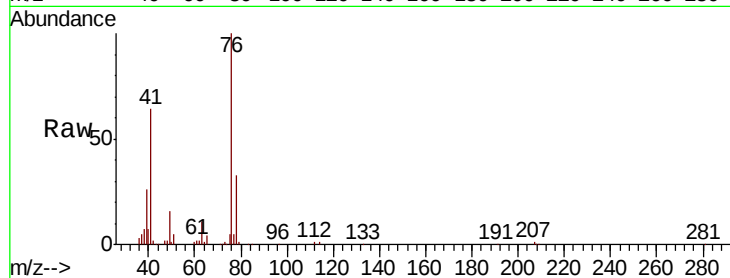




#57
 1,3-Dichloropropane
 Concen: 55.150 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

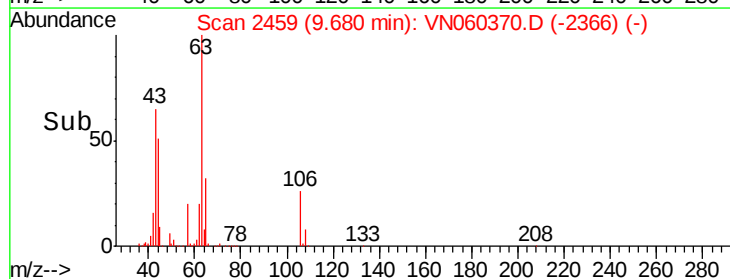
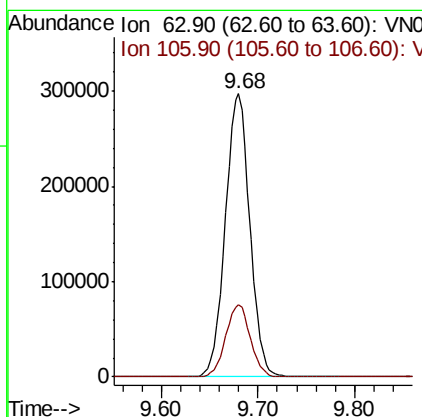
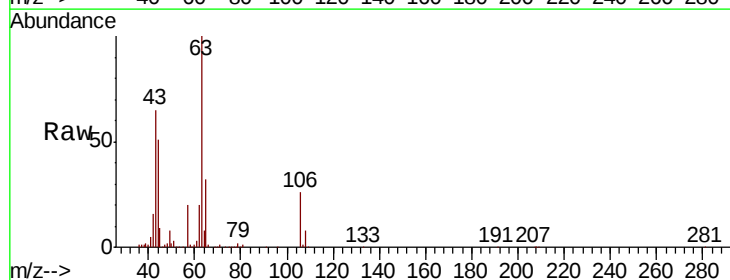
Instrument :
 MSVOA_N
 ClientSampled :

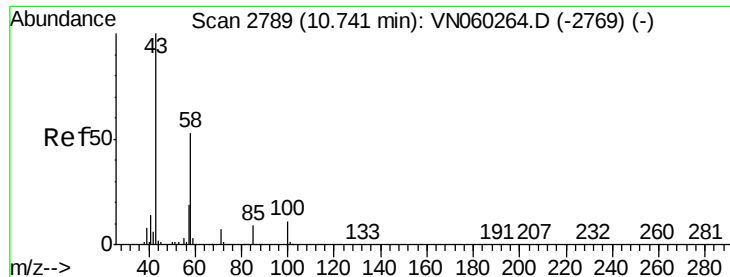
Tot Ion: 76 Resp: 203718
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 305.720 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion: 63 Resp: 520309
 Ion Ratio Lower Upper
 63 100
 106 25.7 21.1 31.7





#59

2-Hexanone

Concen: 281.465 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

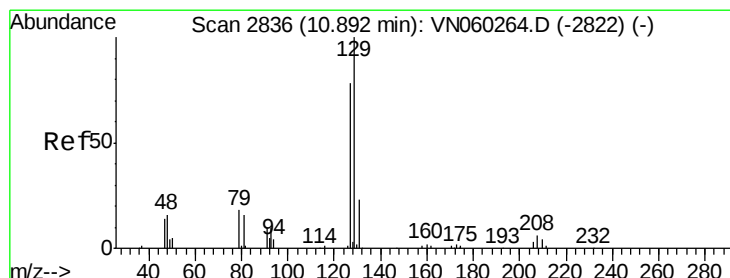
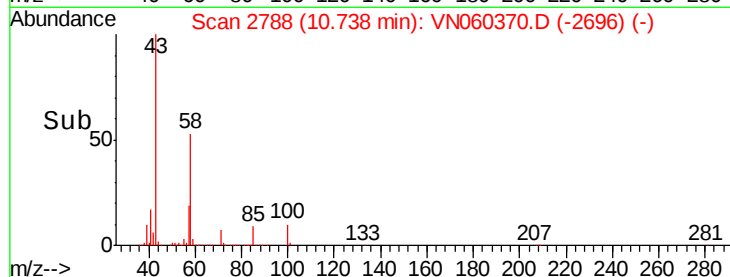
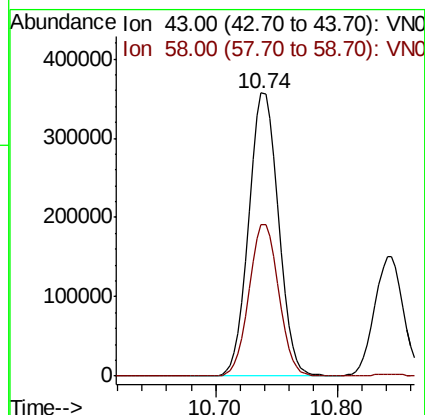
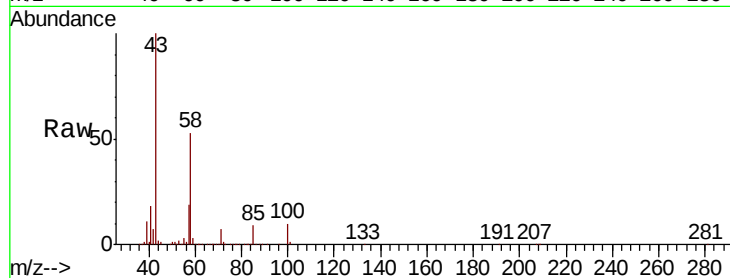
ClientSampled :

Tot Ion: 43 Resp: 598369

Ion Ratio Lower Upper

43 100

58 53.4 26.5 79.5



#60

Dibromochloromethane

Concen: 56.572 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060370.D

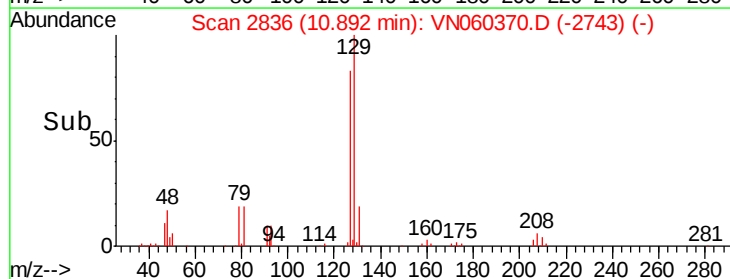
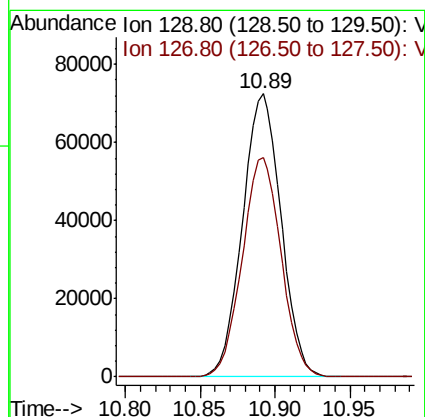
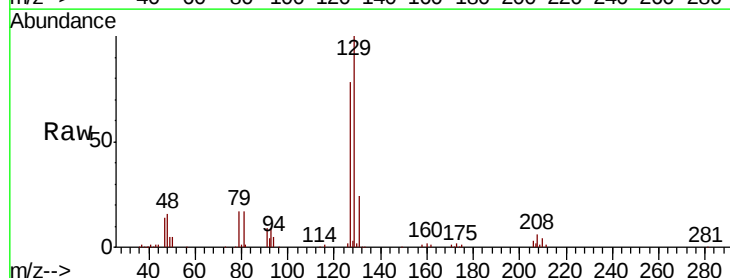
Acq: 6 Mar 2020 10:38

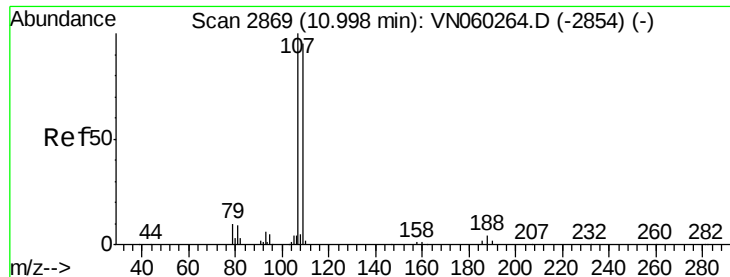
Tgt Ion: 129 Resp: 130312

Ion Ratio Lower Upper

129 100

127 77.8 38.9 116.7

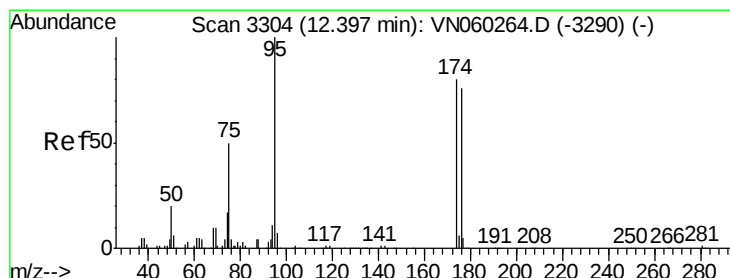
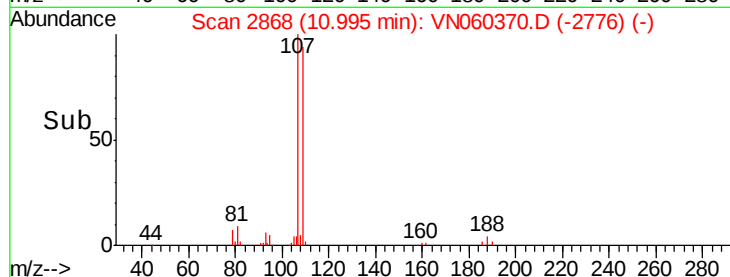
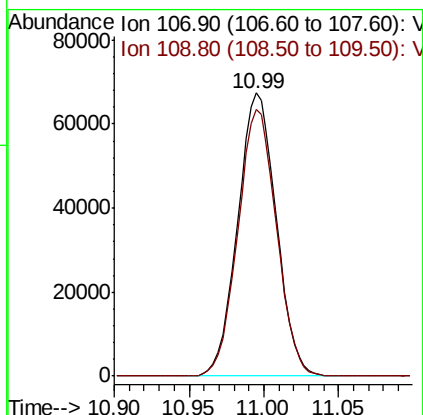
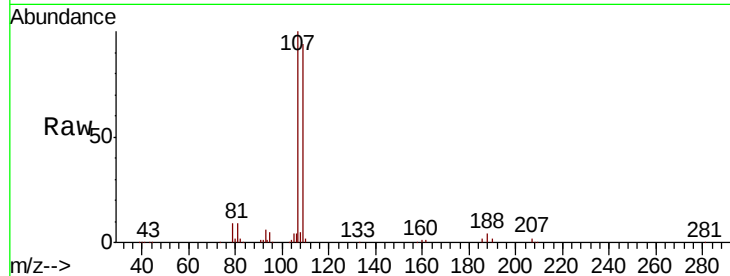




#61
 1,2-Dibromoethane
 Concen: 54.604 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

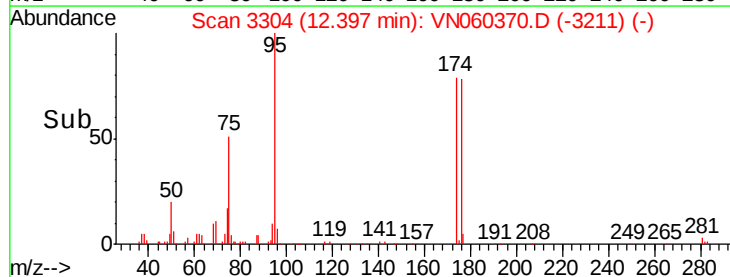
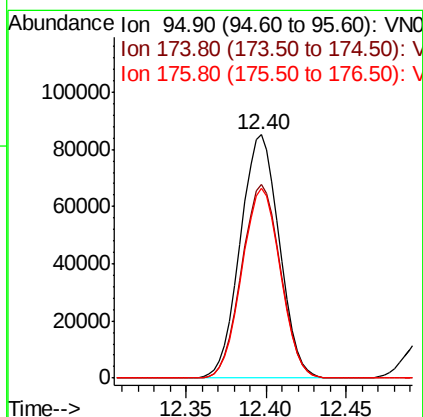
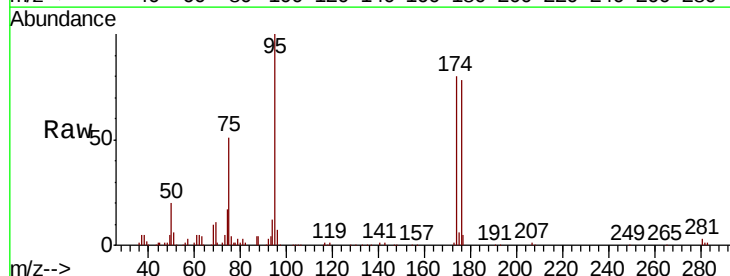
Instrument :
 MSVOA_N
 ClientSampled :

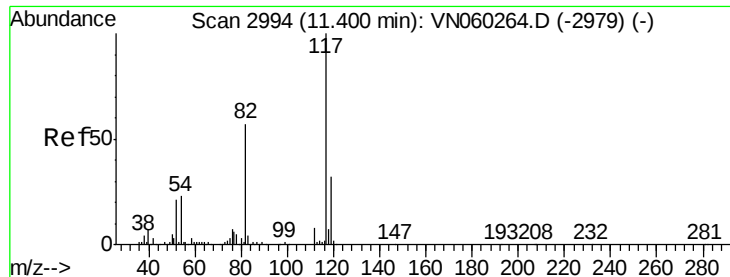
Tot Ion:107 Resp: 120568
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 49.243 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion: 95 Resp: 141752
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 159.2
 176 77.4 0.0 153.8

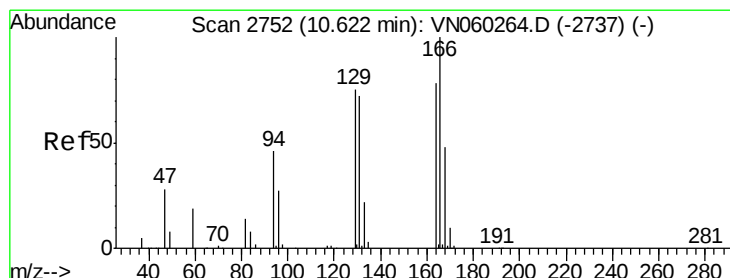
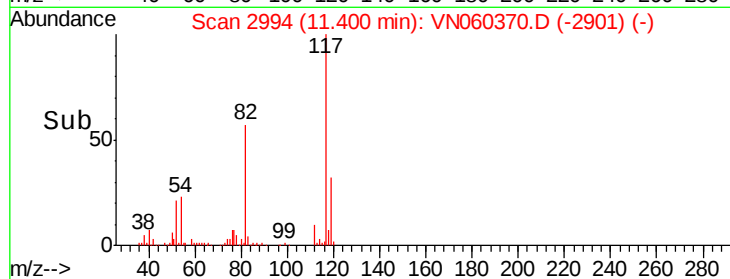
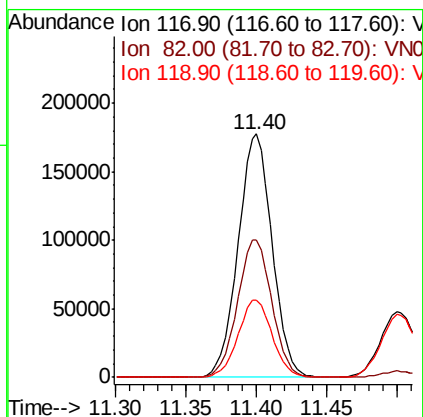
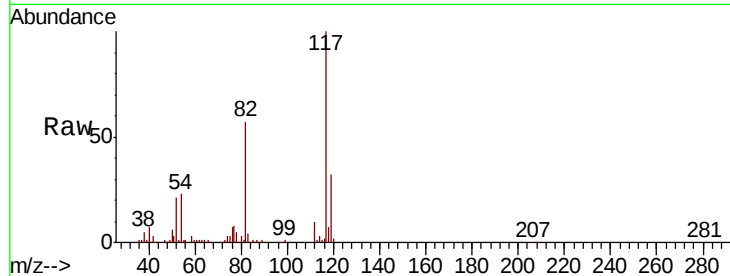




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

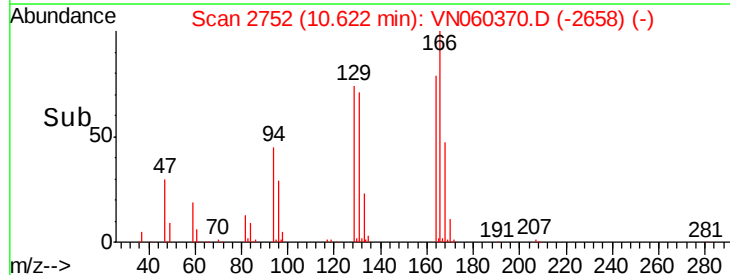
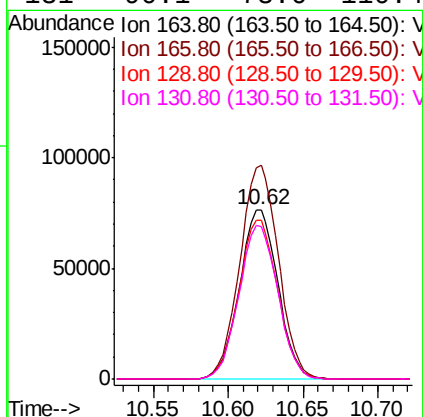
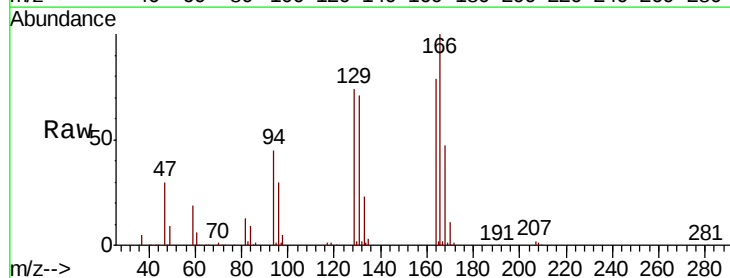
Instrument :
MSVOA_N
ClientSampled :

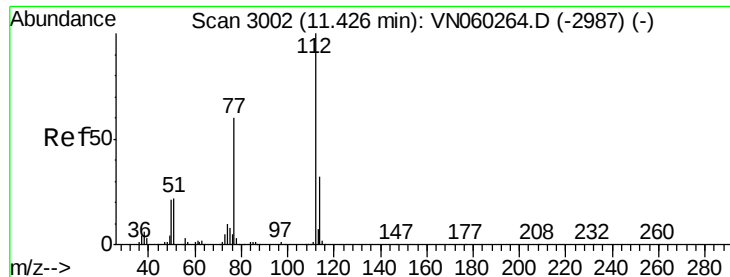
Tot Ion:117 Resp: 300129
Ion Ratio Lower Upper
117 100
82 56.6 45.8 68.6
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 58.099 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion:164 Resp: 136751
Ion Ratio Lower Upper
164 100
166 126.4 102.0 153.0
129 93.8 76.4 114.6
131 90.1 73.6 110.4

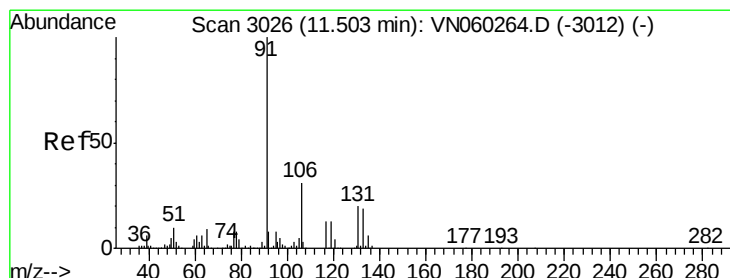
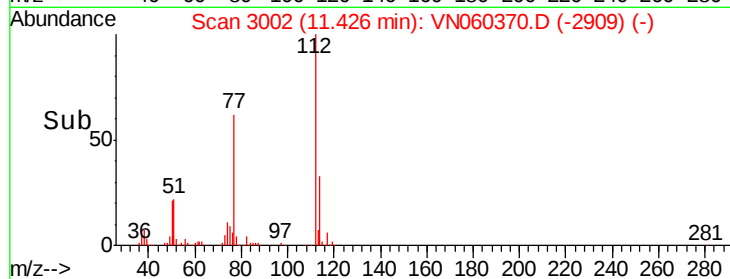
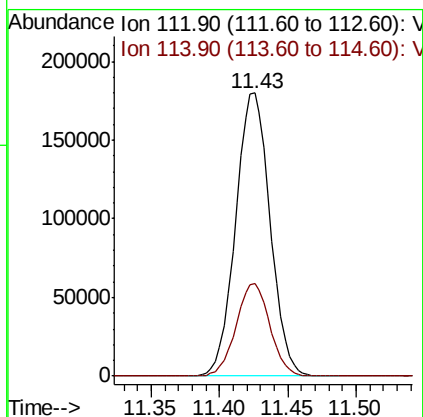
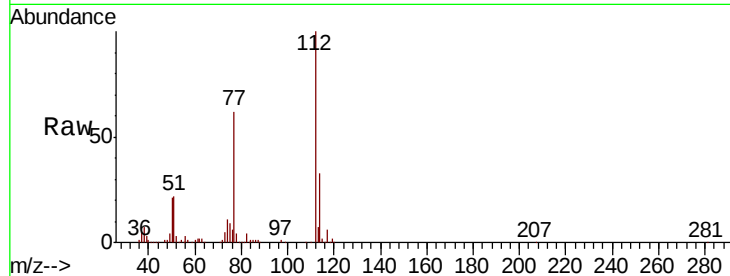




#65
Chlorobenzene
Concen: 51.985 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

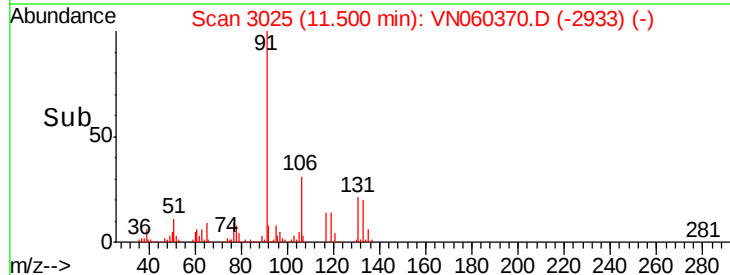
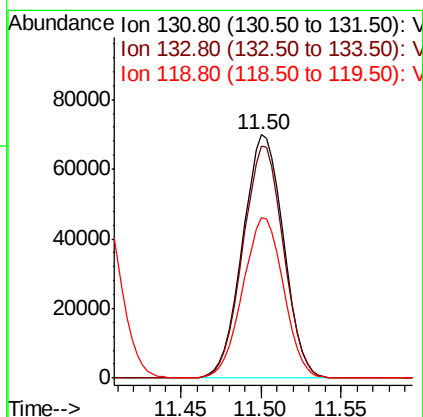
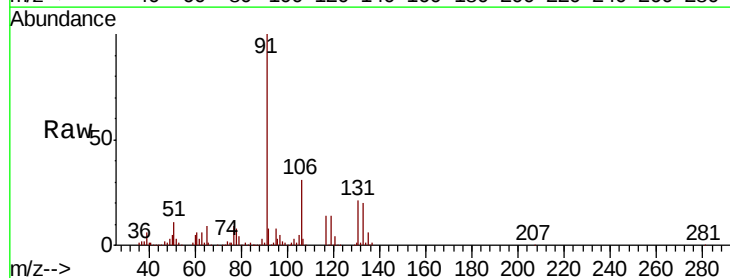
Instrument :
MSVOA_N
ClientSampleId :

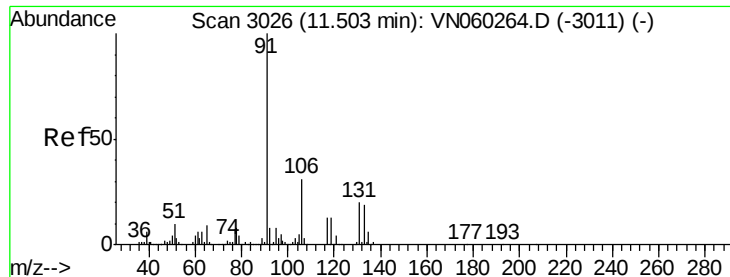
Tot Ion:112 Resp: 315050
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 54.657 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion:131 Resp: 122474
Ion Ratio Lower Upper
131 100
133 95.0 47.7 143.1
119 65.7 33.2 99.6





#67

Ethyl Benzene

Concen: 53.471 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

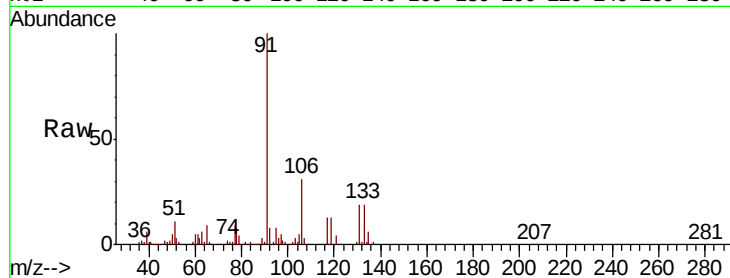
ClientSampleId :

Tot Ion: 91 Resp: 590131

Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060370.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060370.D (-2933) (-)

500000

400000

300000

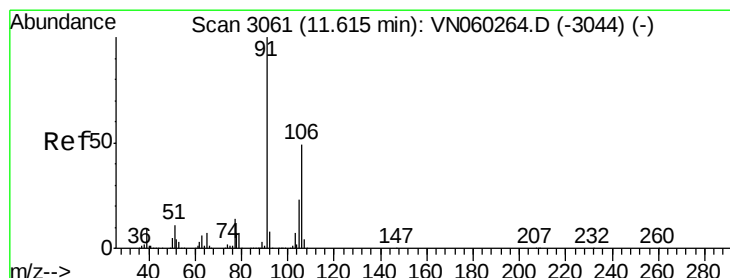
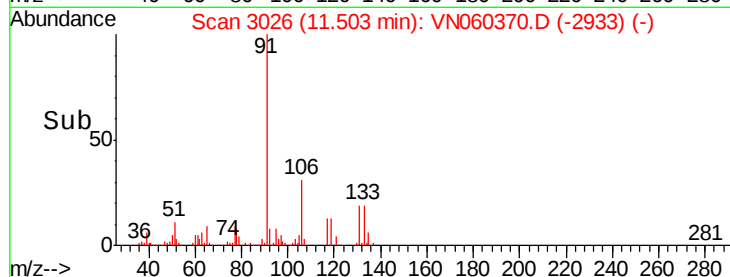
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 105.686 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060370.D

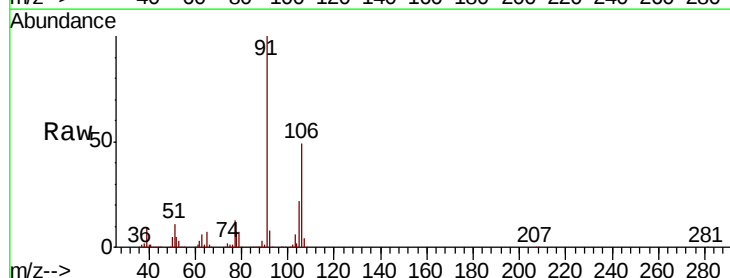
Acq: 6 Mar 2020 10:38

Tgt Ion: 106 Resp: 440073

Ion Ratio Lower Upper

106 100

91 206.4 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060370.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060370.D (-2968) (-)

500000

400000

300000

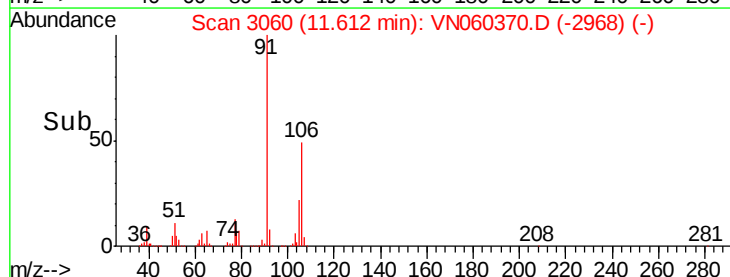
200000

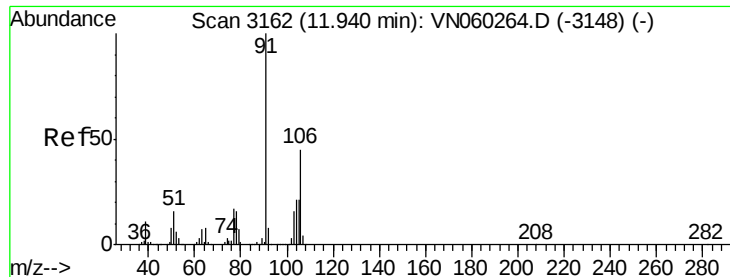
100000

0

11.60 11.61 11.70

Time-->

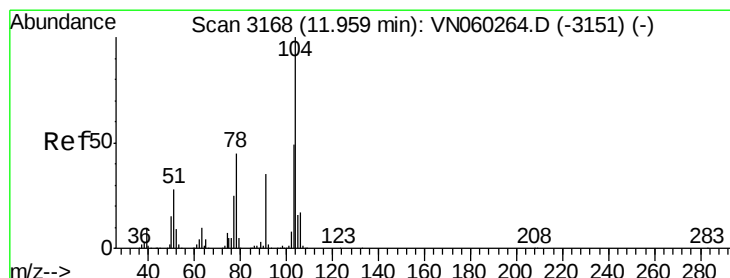
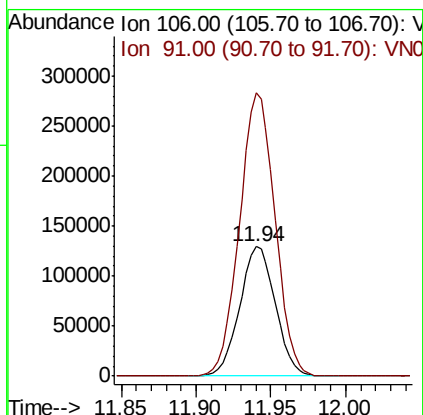
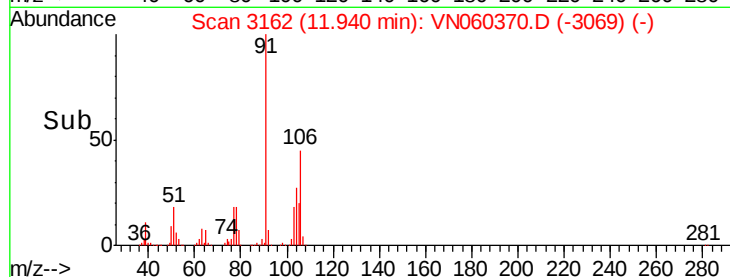
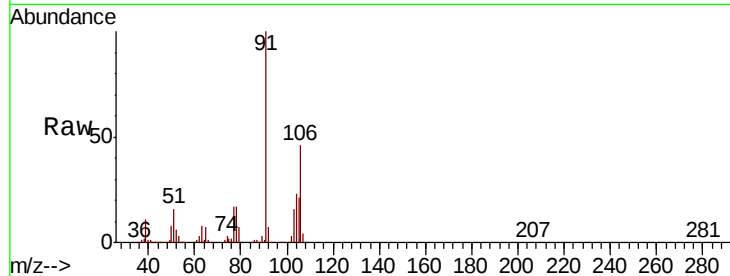




#69
o-Xylene
Concen: 53.973 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

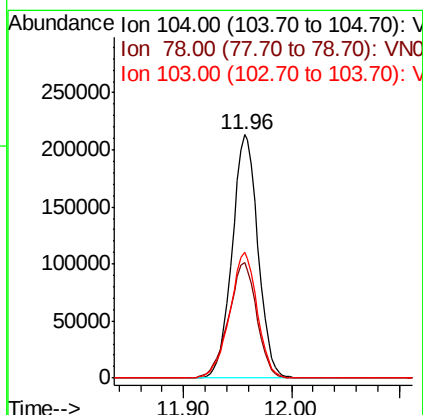
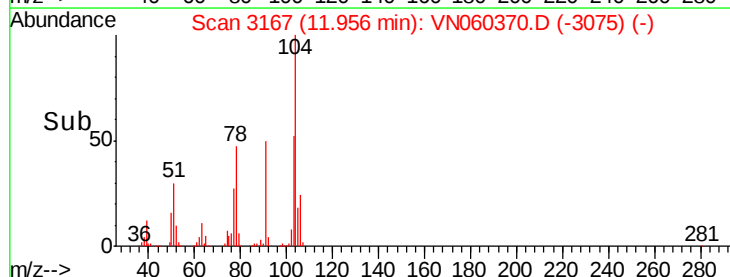
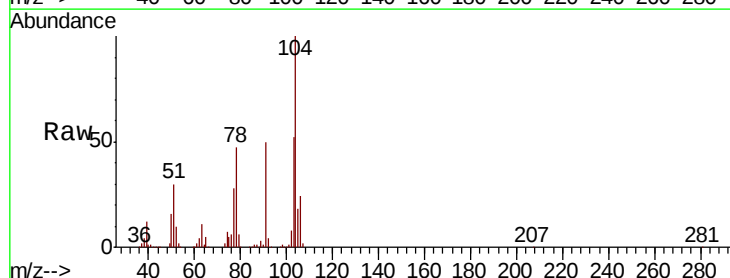
Instrument :
MSVOA_N
ClientSampled :

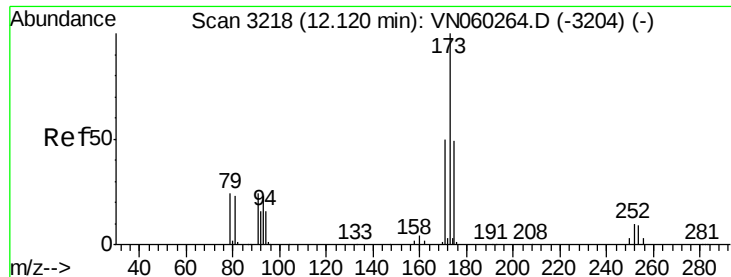
Tot Ion:106 Resp: 214311
Ion Ratio Lower Upper
106 100
91 218.1 109.5 328.4



#70
Styrene
Concen: 54.732 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion:104 Resp: 357307
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 54.7 43.9 65.9





#71

Bromoform

Concen: 57.664 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

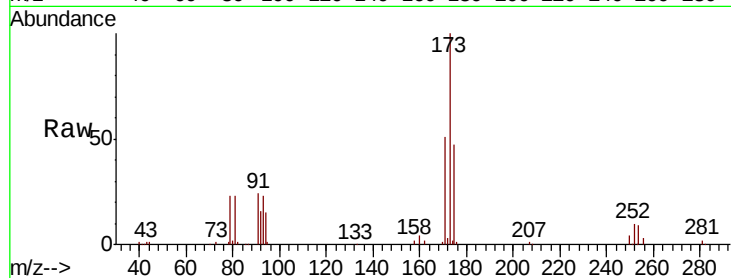
Tot Ion:173 Resp: 93124

Ion Ratio Lower Upper

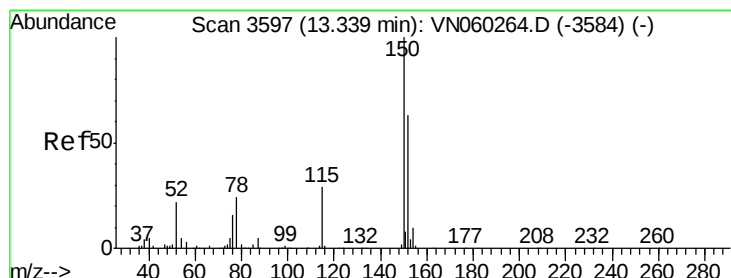
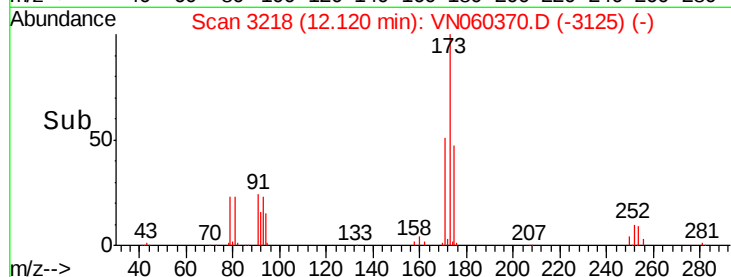
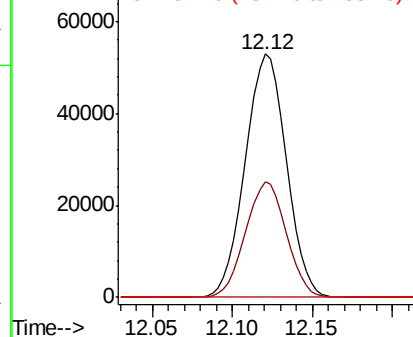
173 100

175 46.9 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: VN060370.D

Acq: 6 Mar 2020 10:38

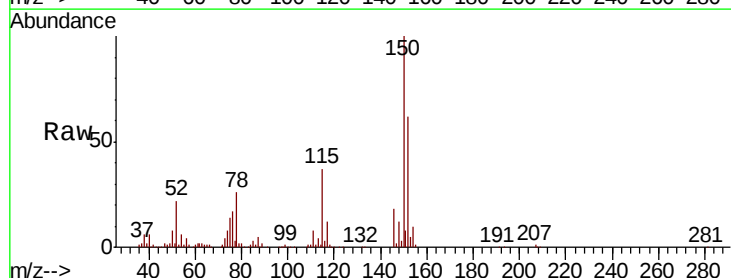
Tgt Ion:152 Resp: 146123

Ion Ratio Lower Upper

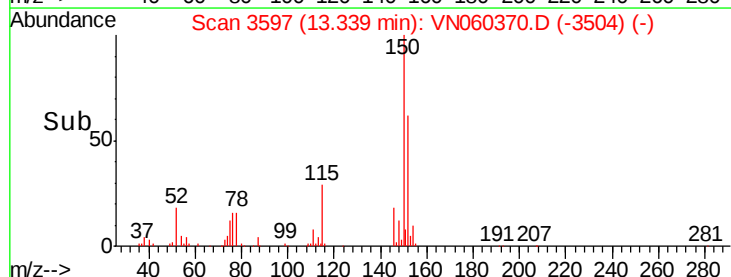
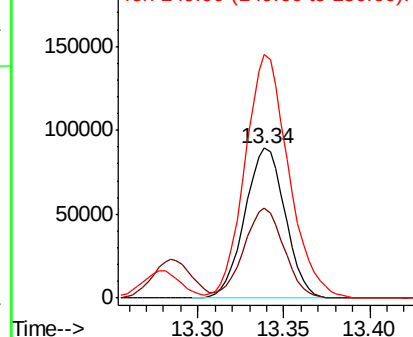
152 100

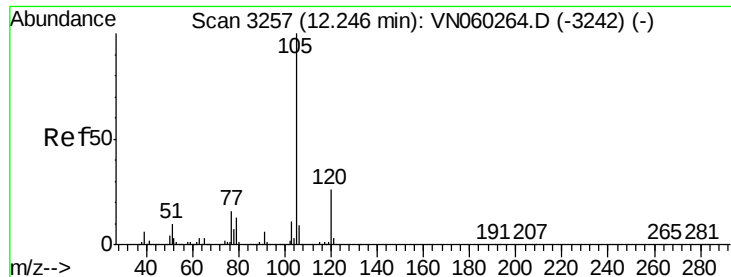
115 59.3 30.0 90.0

150 175.0 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: 53.244 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

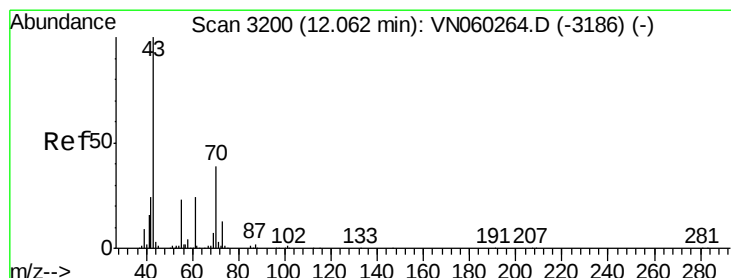
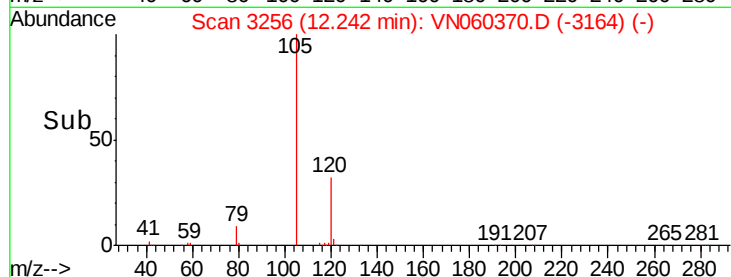
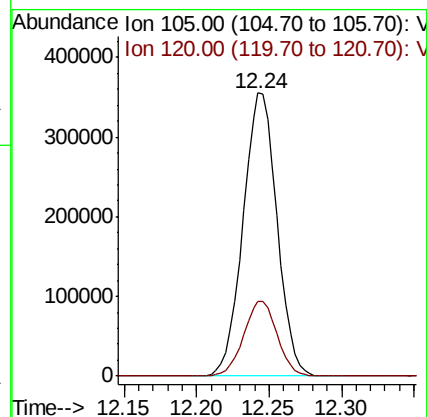
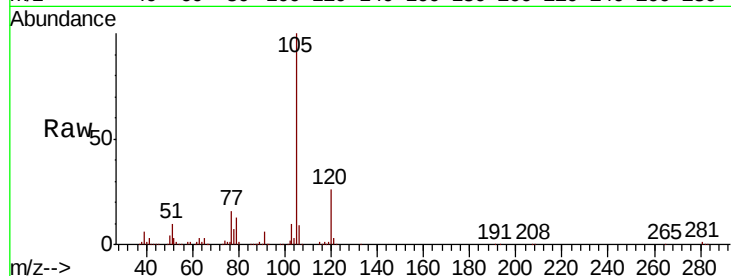
ClientSampled :

Tot Ion:105 Resp: 576657

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#74

N-ethyl acetate

Concen: 54.125 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion: 43 Resp: 256153

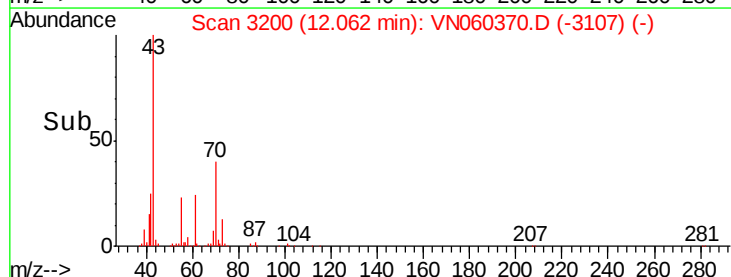
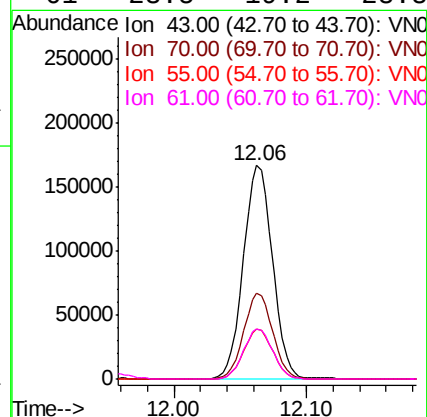
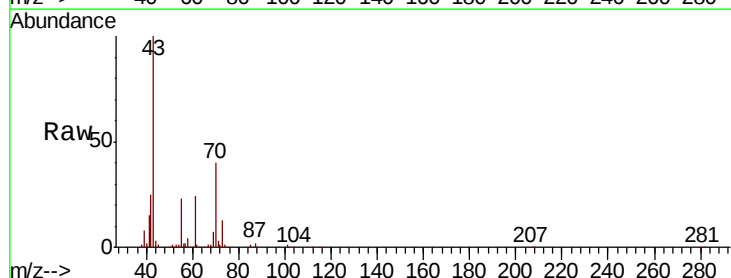
Ion Ratio Lower Upper

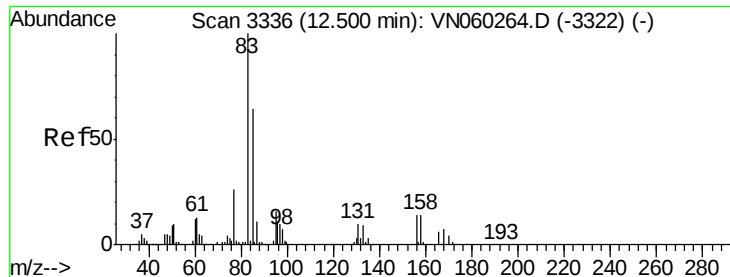
43 100

70 39.7 32.2 48.2

55 23.4 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 55.335 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

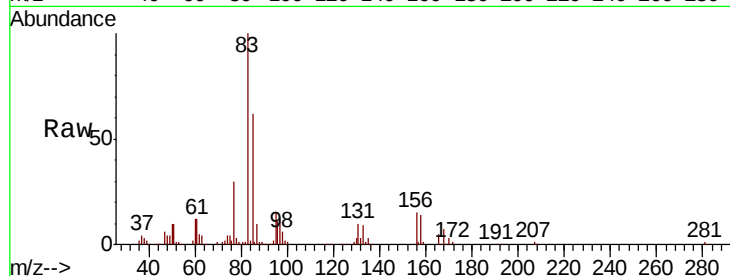
Tot Ion: 83 Resp: 162907

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.3

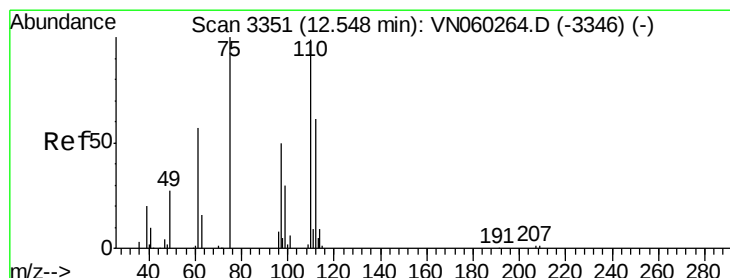
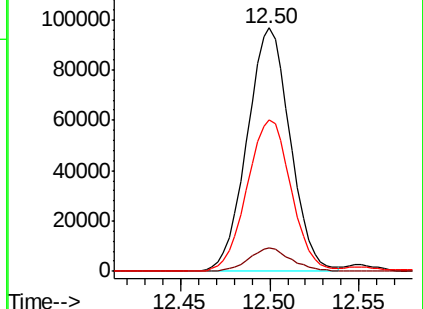
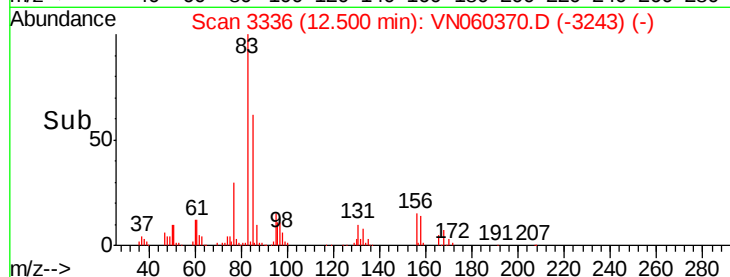
85 63.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060370.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060370.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060370.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 72.393 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060370.D

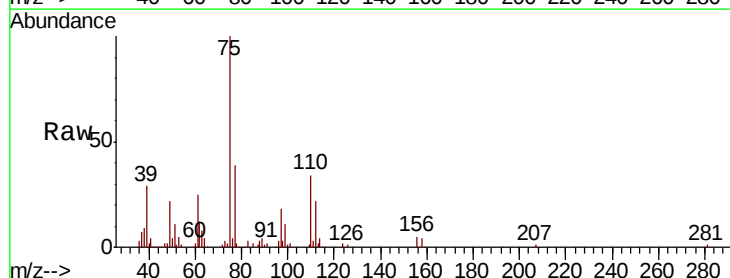
Acq: 6 Mar 2020 10:38

Tgt Ion: 75 Resp: 232088

Ion Ratio Lower Upper

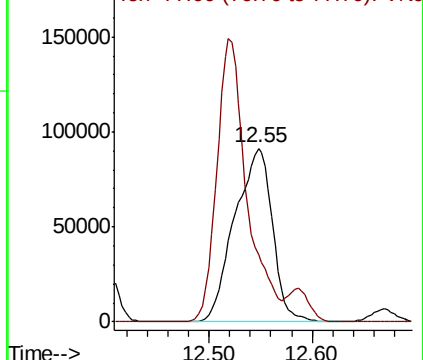
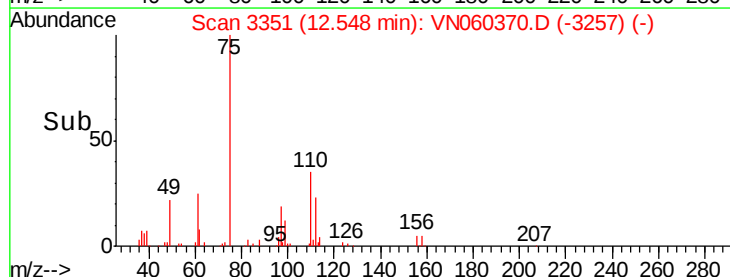
75 100

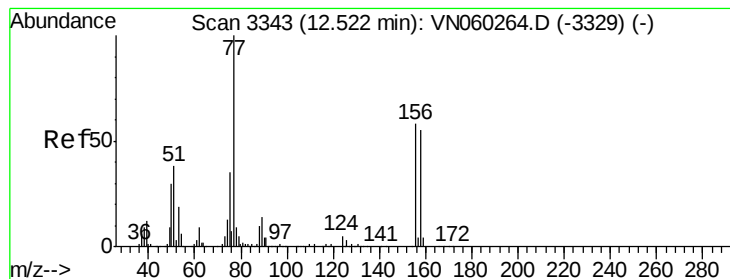
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060370.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060370.D (-3257) (-)





#77

Bromobenzene

Concen: 52.380 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

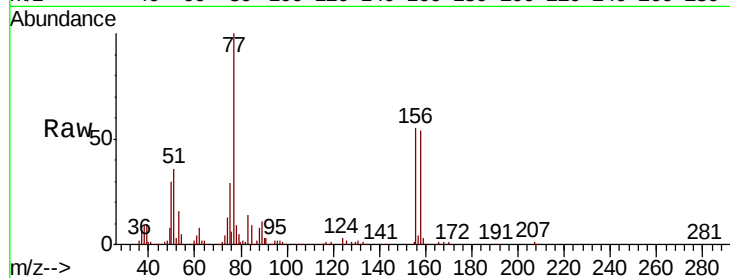
Tot Ion:156 Resp: 139060

Ion Ratio Lower Upper

156 100

77 216.4 106.1 318.3

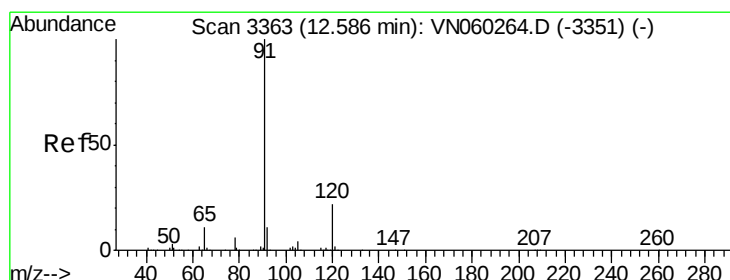
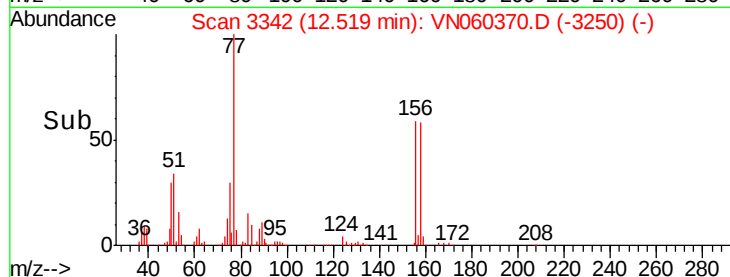
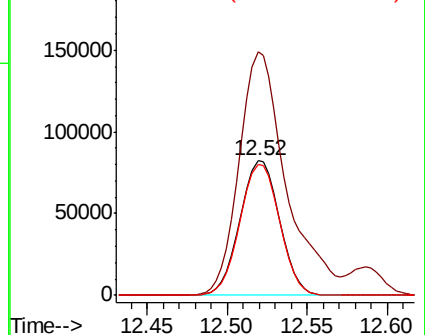
158 97.4 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.351 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060370.D

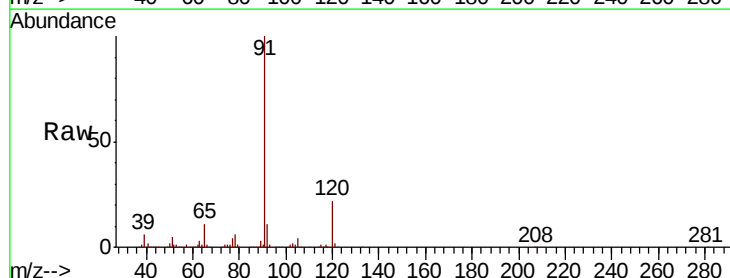
Acq: 6 Mar 2020 10:38

Tgt Ion: 91 Resp: 677303

Ion Ratio Lower Upper

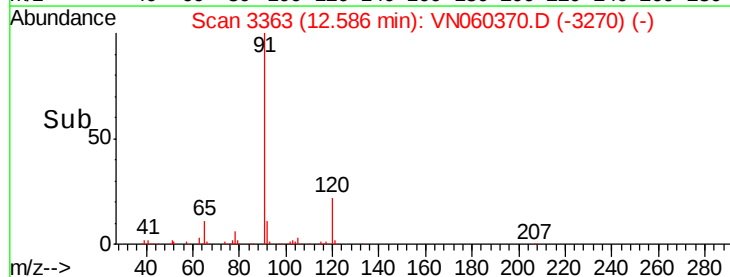
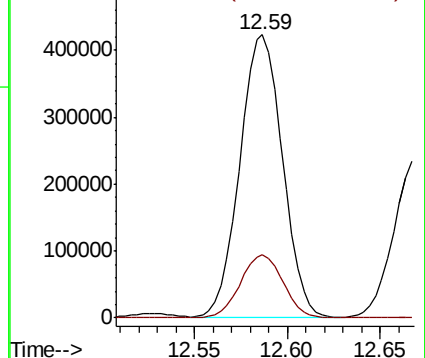
91 100

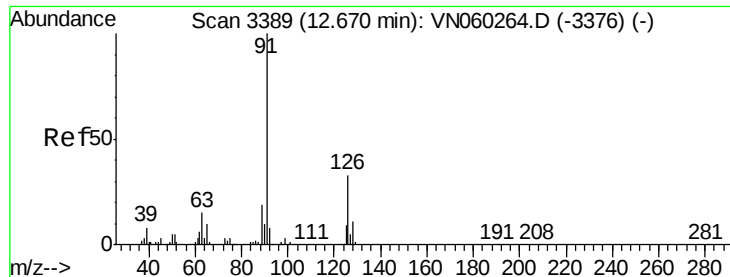
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

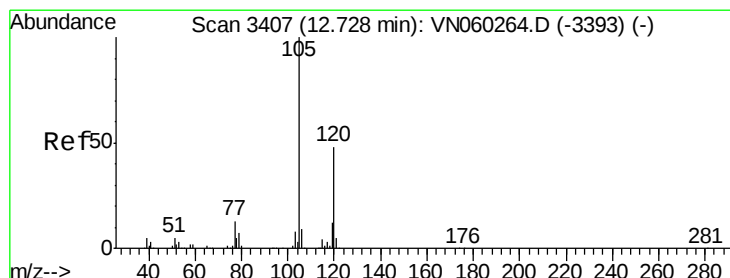
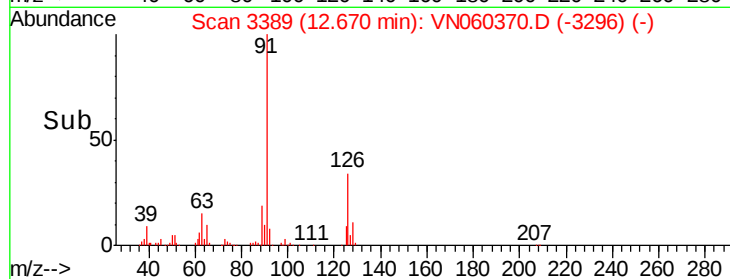
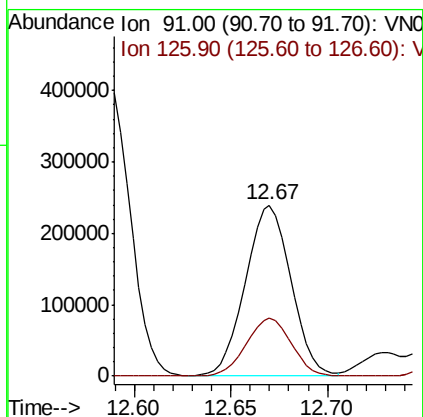
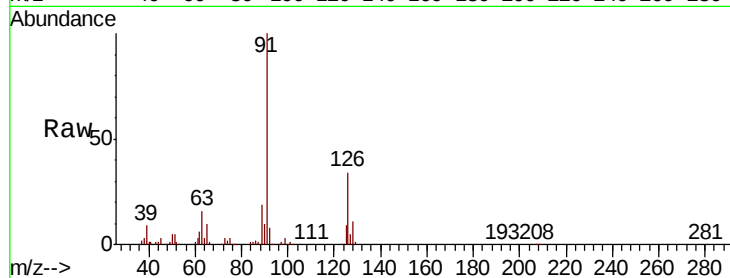




#79
 2-Chlorotoluene
 Concen: 52.684 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

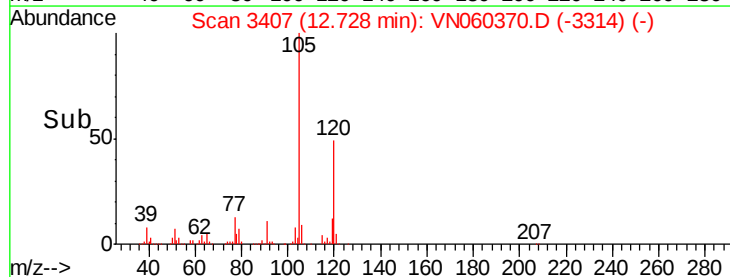
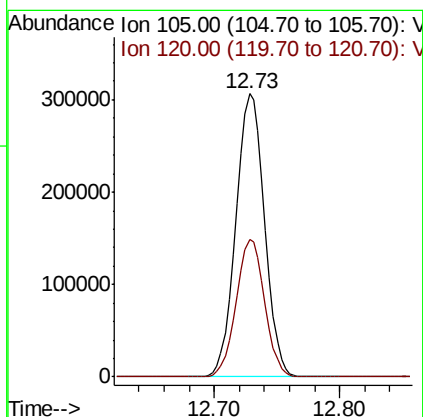
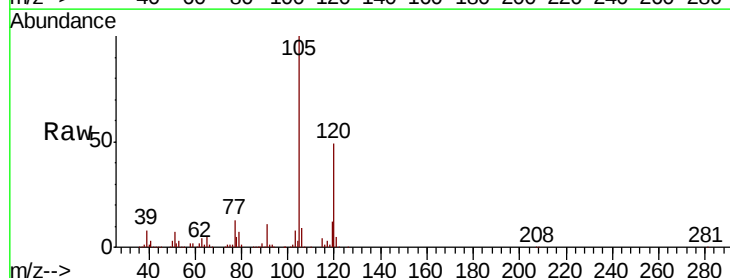
Instrument :
 MSVOA_N
 ClientSampleId :

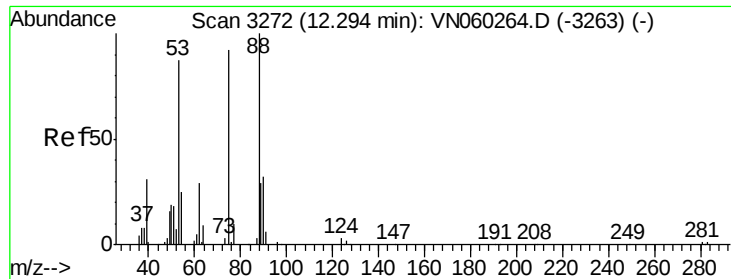
Tot Ion: 91 Resp: 393157
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 53.231 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion: 105 Resp: 485398
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 57.081 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

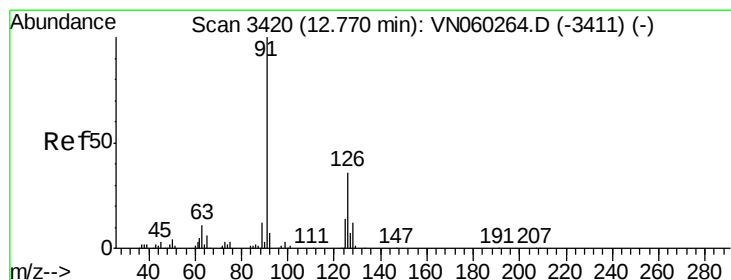
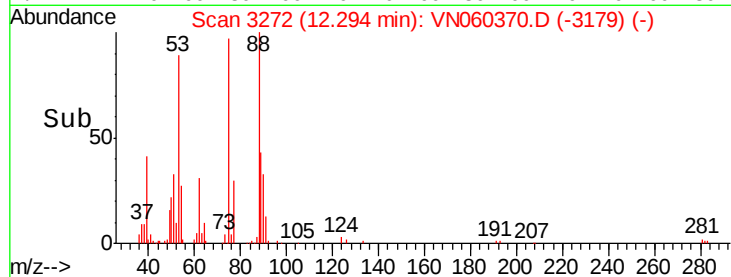
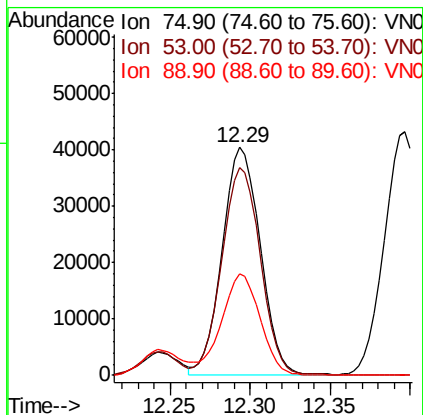
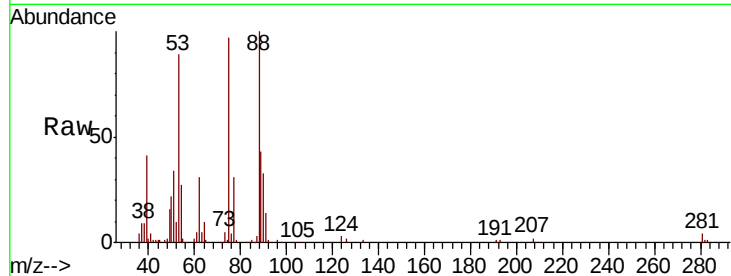
Tot Ion: 75 Resp: 66293

Ion Ratio Lower Upper

75 100

53 92.1 73.8 110.6

89 44.8 57.1 85.7#



#82

4-Chlorotoluene

Concen: 52.174 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060370.D

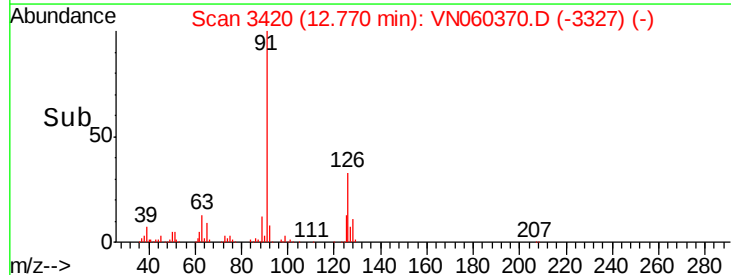
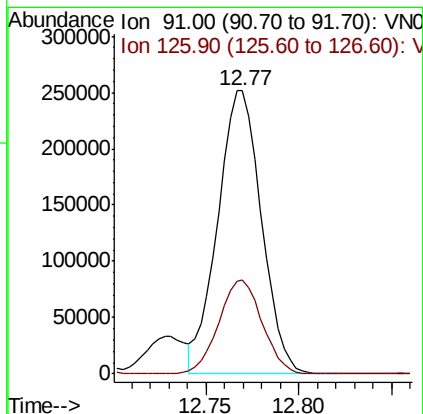
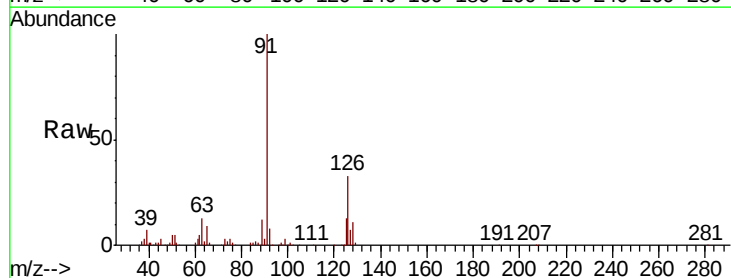
Acq: 6 Mar 2020 10:38

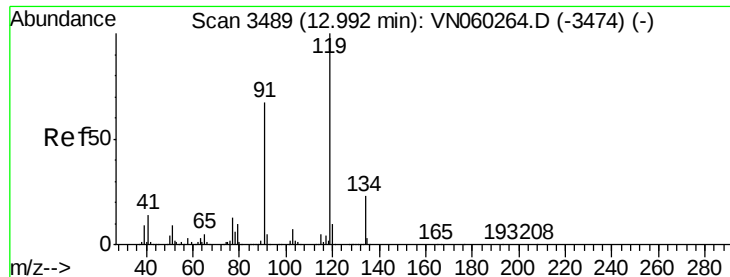
Tgt Ion: 91 Resp: 410209

Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.1





#83

tert-Butylbenzene

Concen: 51.197 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

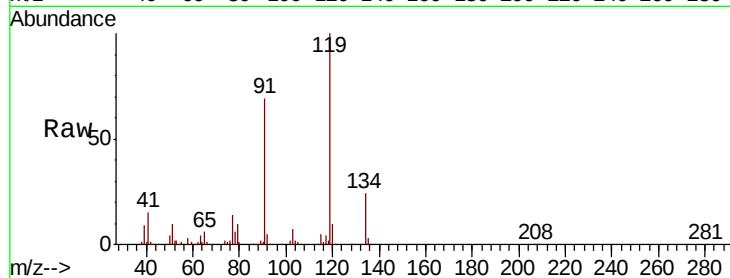
Tot Ion:119 Resp: 404202

Ion Ratio Lower Upper

119 100

91 68.5 33.1 99.2

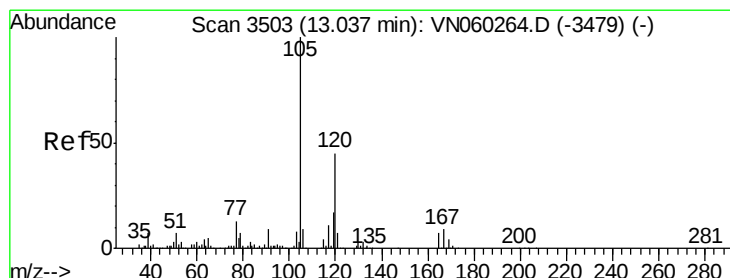
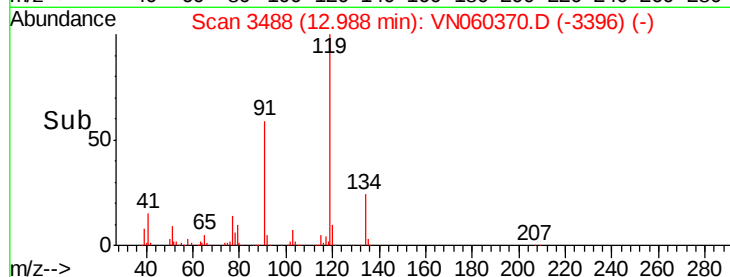
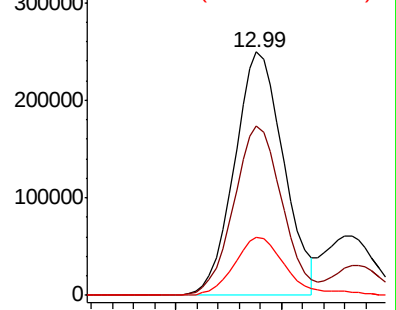
134 25.1 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.170 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060370.D

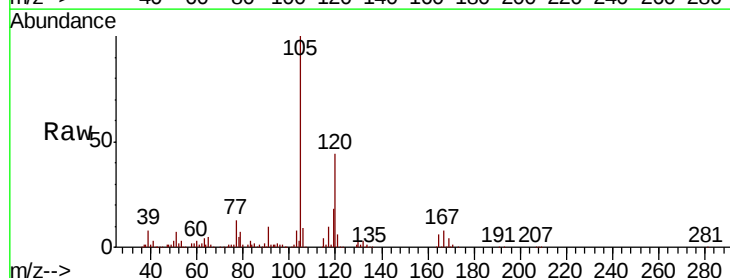
Acq: 6 Mar 2020 10:38

Tgt Ion:105 Resp: 489379

Ion Ratio Lower Upper

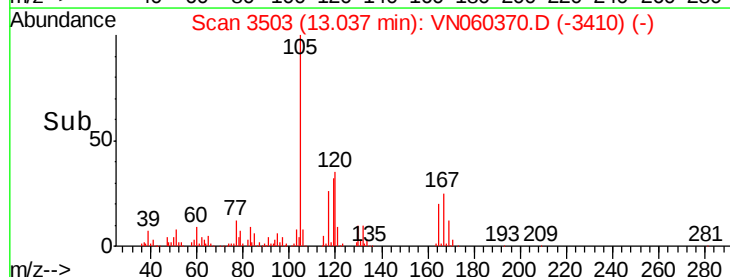
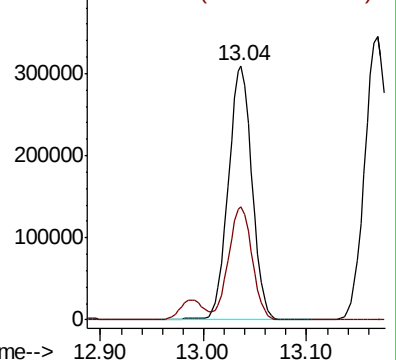
105 100

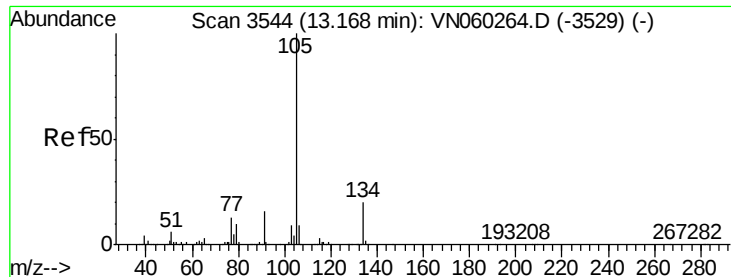
120 44.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

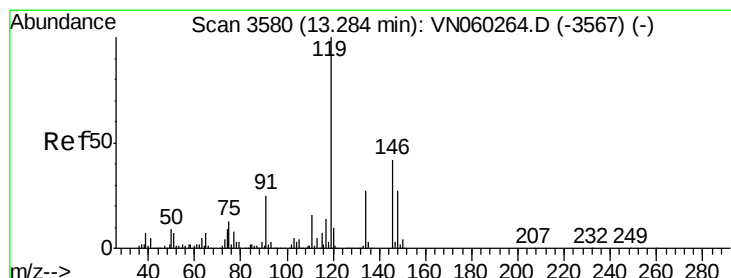
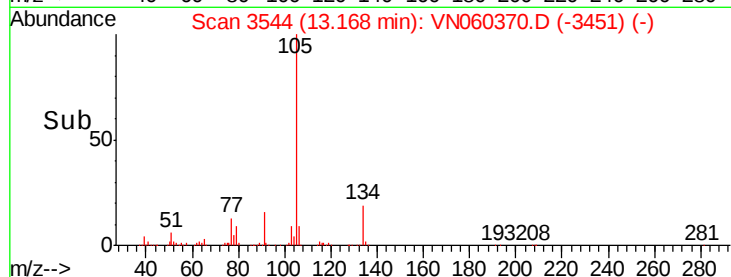
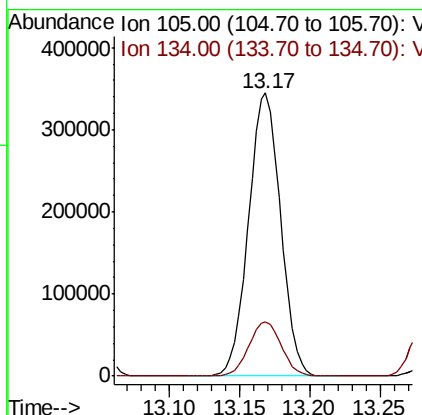
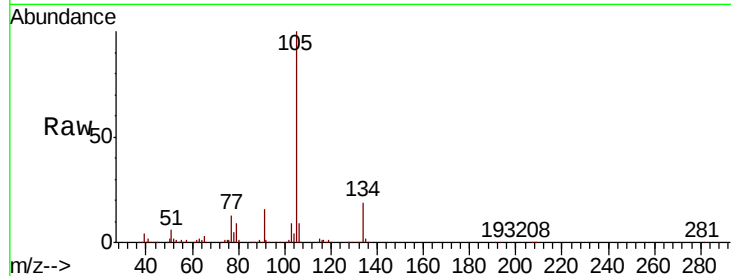




#85
 sec-Butylbenzene
 Concen: 52.019 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

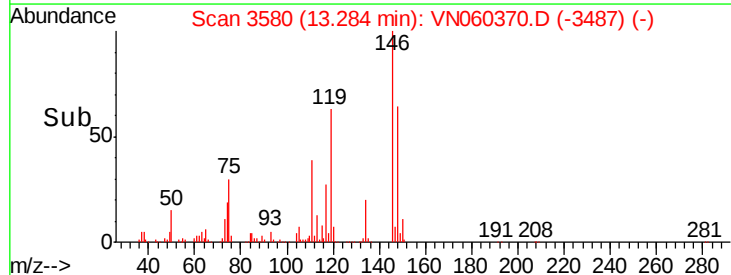
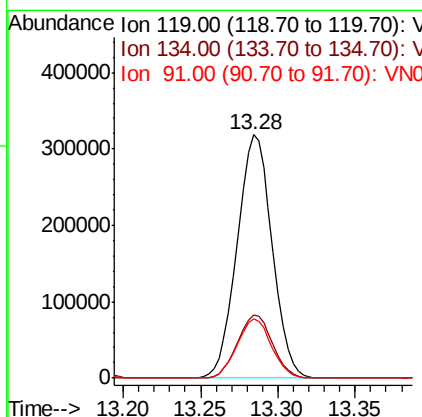
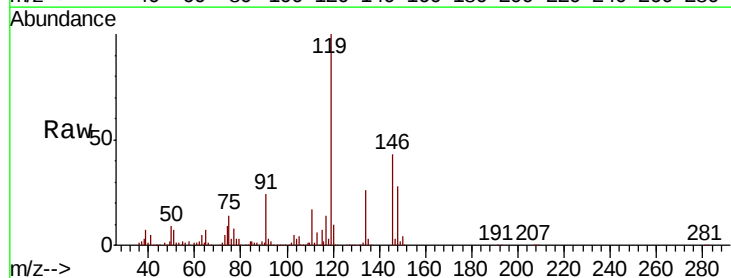
Instrument :
 MSVOA_N
 ClientSampled :

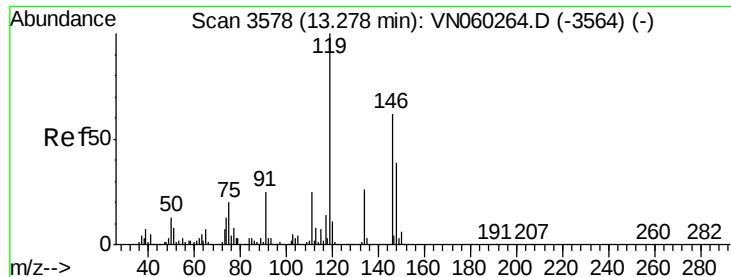
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



#86
 p-Isopropyltoluene
 Concen: 50.986 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.2	39.6
91	24.2	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 55.365 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

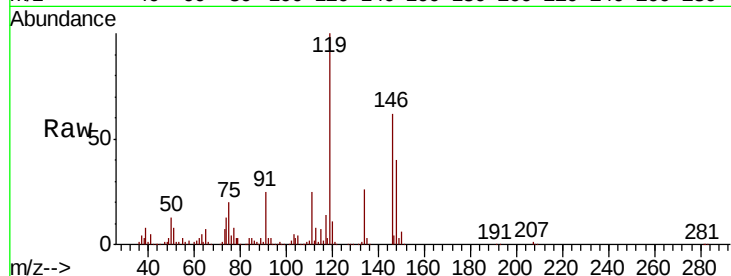
Tot Ion:146 Resp: 252474

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

148 63.6 32.1 96.3

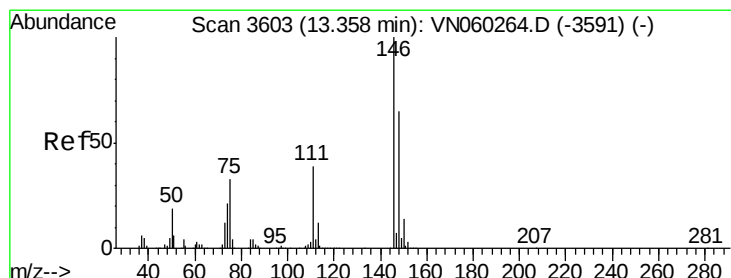
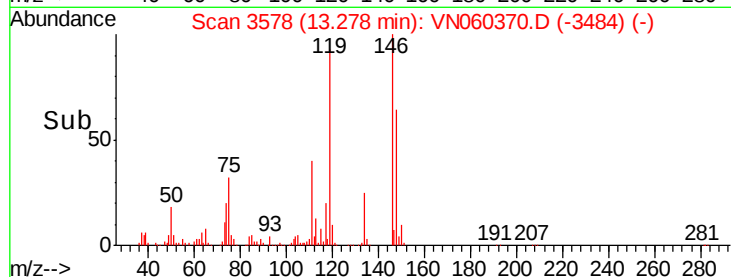
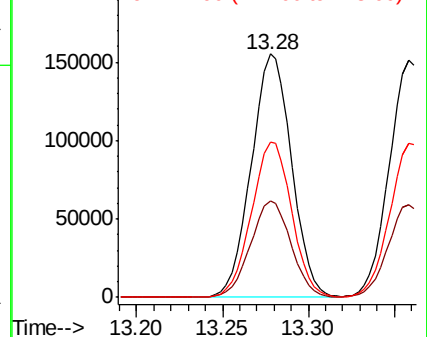


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 54.967 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

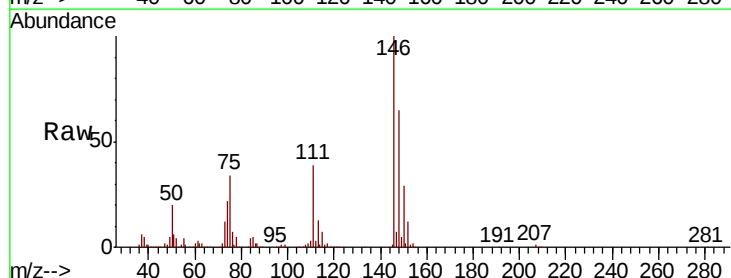
Tgt Ion:146 Resp: 249174

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.4

148 64.4 32.3 96.9

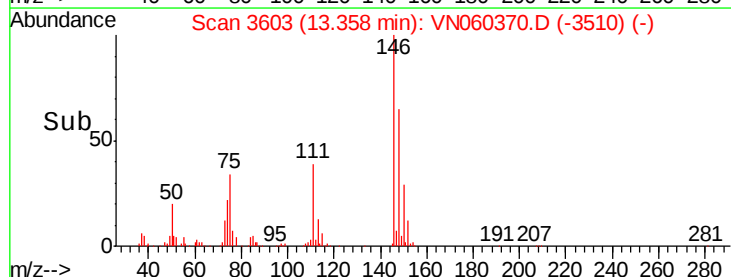
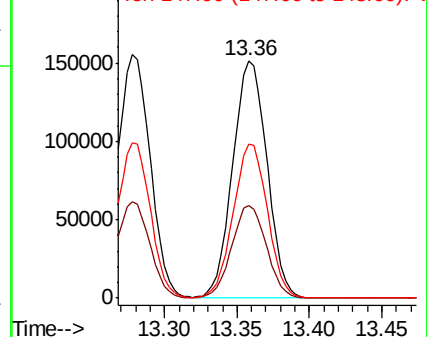


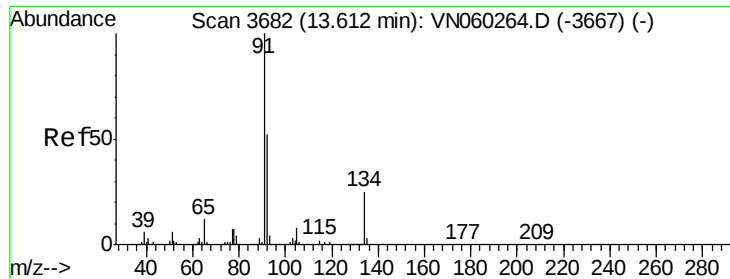
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.476 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

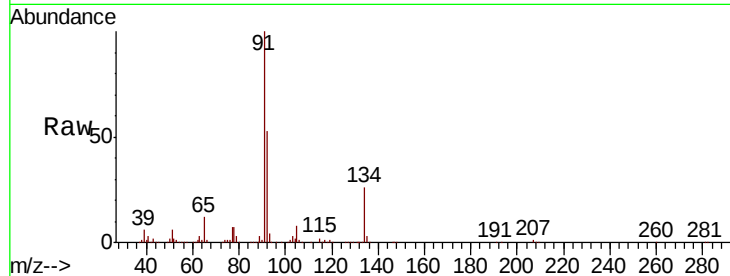
Tot Ion: 91 Resp: 453406

Ion Ratio Lower Upper

91 100

92 52.5 26.0 78.0

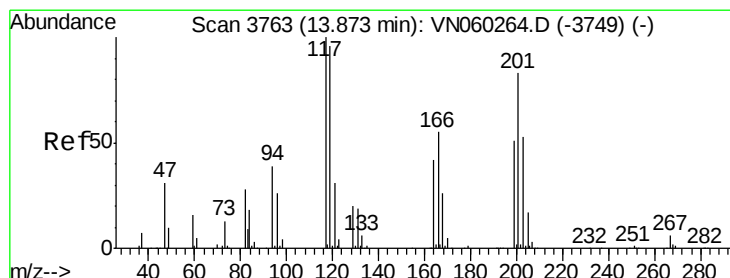
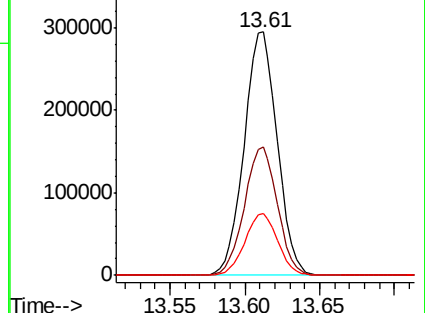
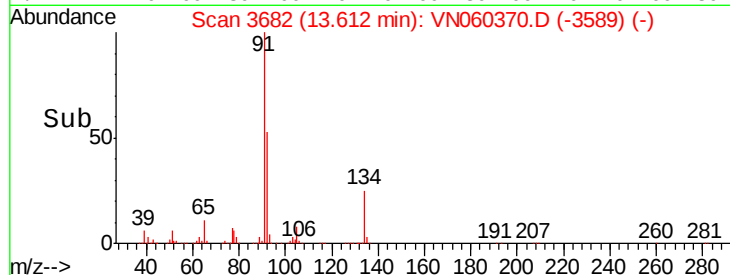
134 25.3 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN060370.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN060370.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN060370.D (-3682) (-)



#90

Hexachloroethane

Concen: 51.124 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060370.D

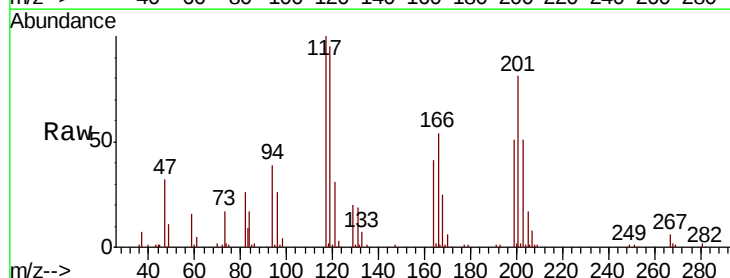
Acq: 6 Mar 2020 10:38

Tgt Ion: 117 Resp: 72411

Ion Ratio Lower Upper

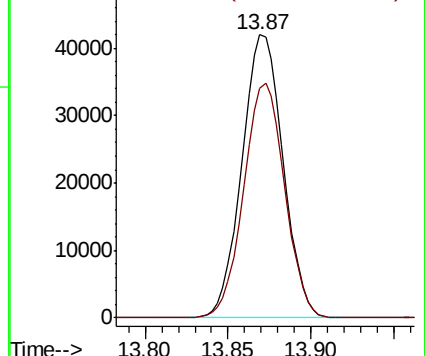
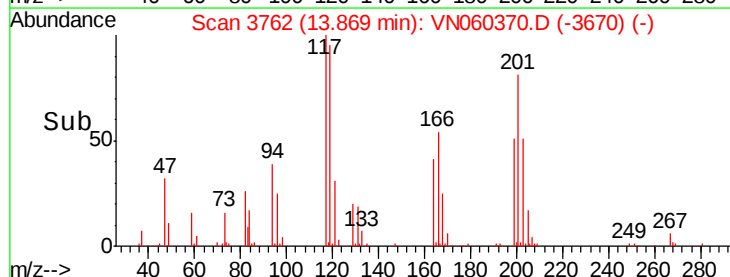
117 100

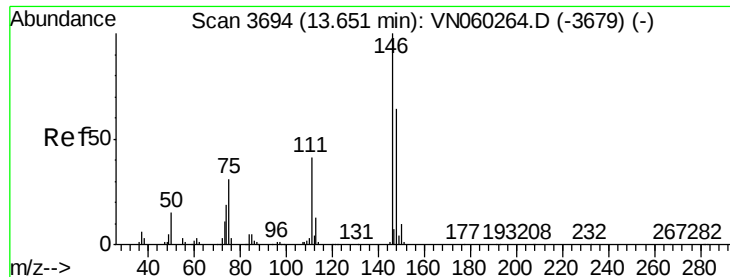
201 82.6 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060370.D (-3762) (-)

Ion 200.70 (200.40 to 201.40): VN060370.D (-3762) (-)

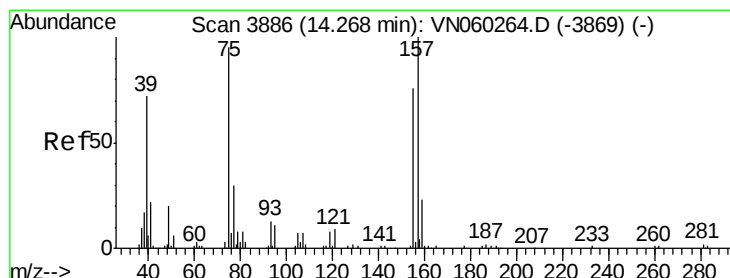
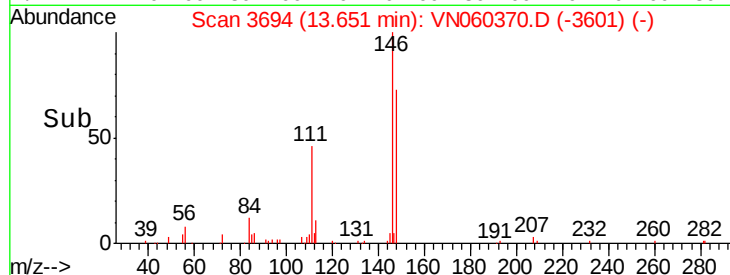
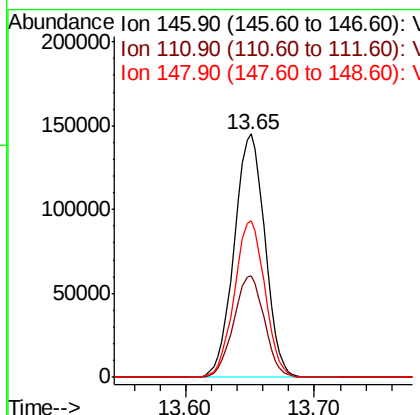
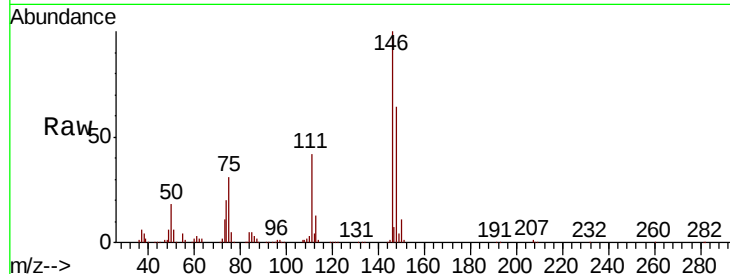




#91
 1,2-Dichlorobenzene
 Concen: 51.661 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

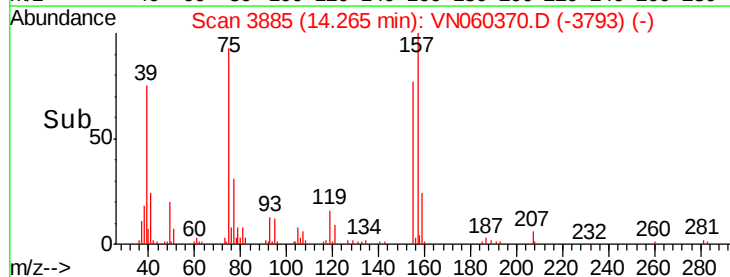
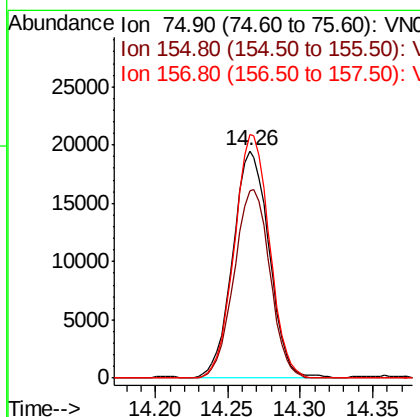
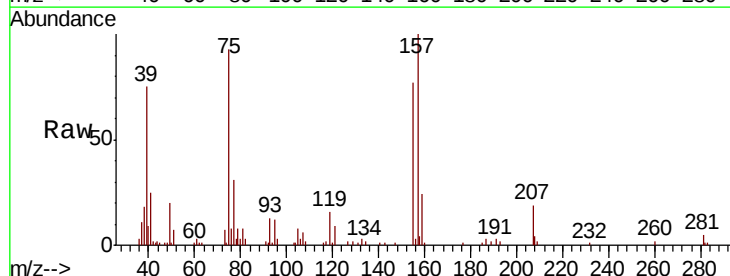
Instrument :
 MSVOA_N
 ClientSampleId :

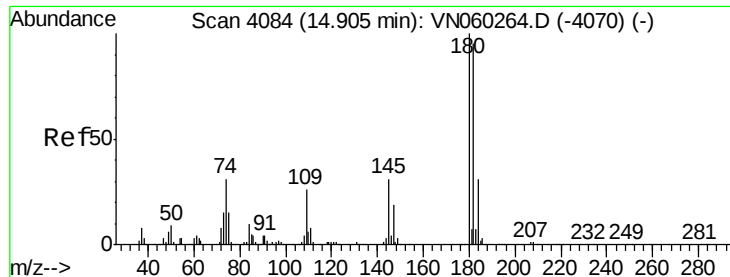
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	64.0	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.954 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.4	121.2
157	103.6	52.5	157.5

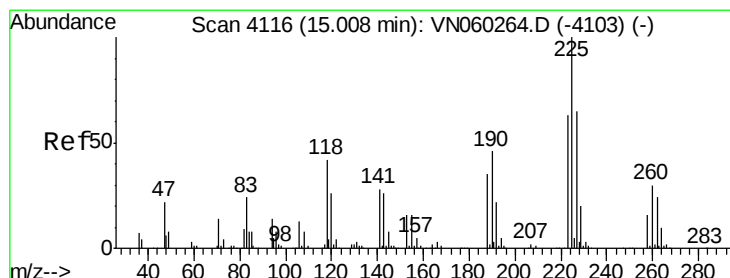
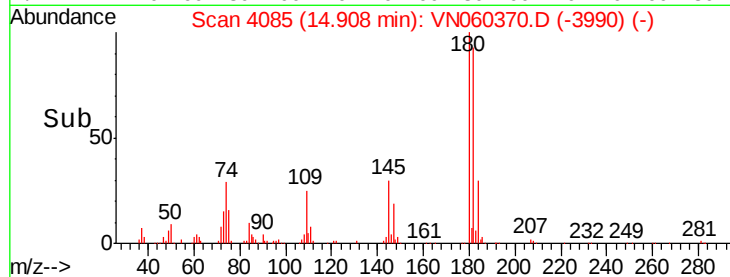
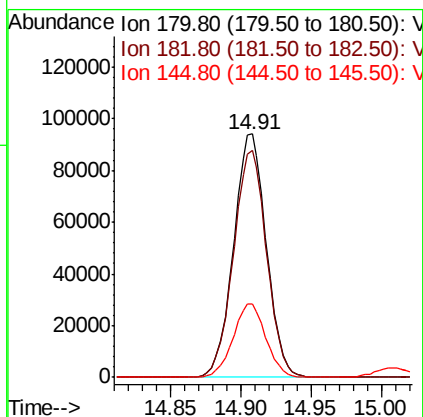
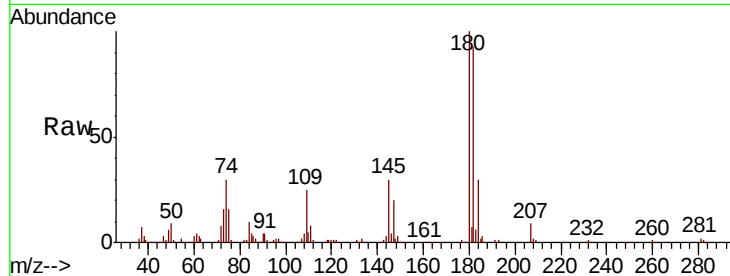




#93
 1,2,4-Trichlorobenzene
 Concen: 51.633 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

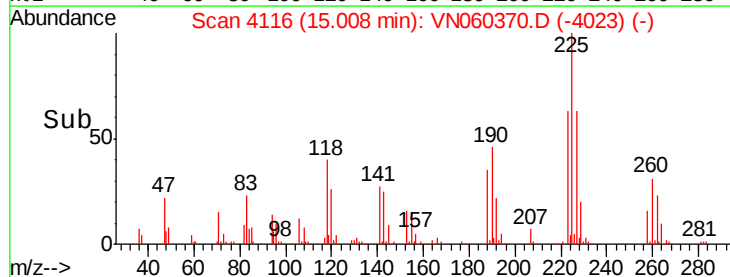
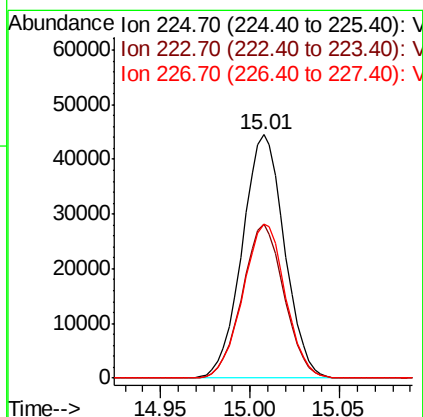
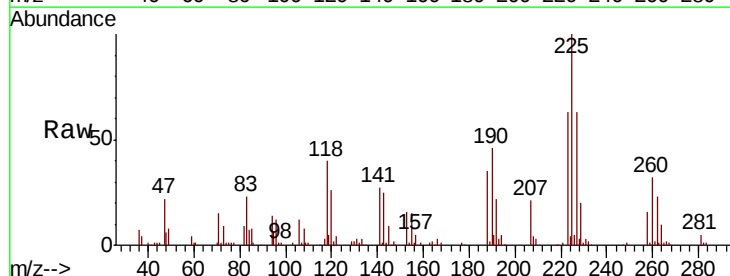
Instrument :
 MSVOA_N
 ClientSampleId :

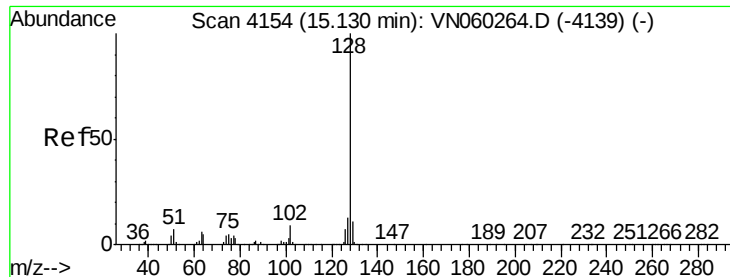
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.8	143.3
145	30.1	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 54.119 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.9
227	63.8	32.3	96.9

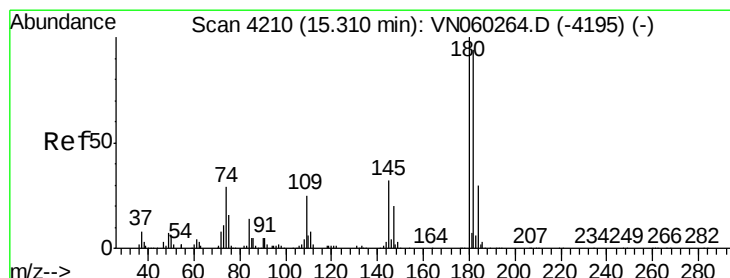
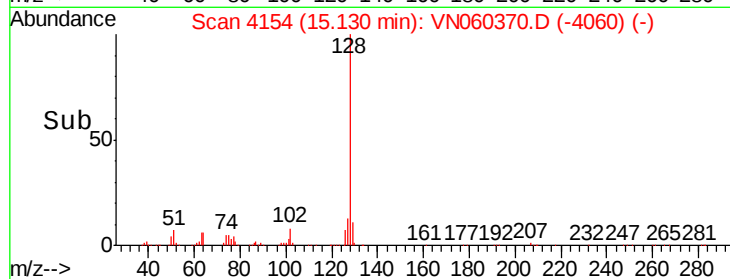
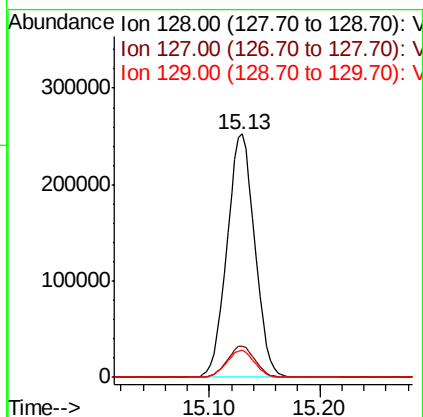
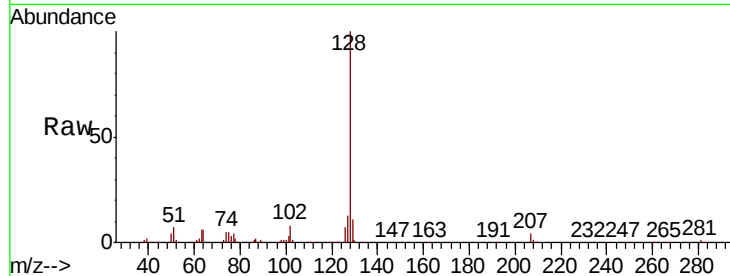




#95
Naphthalene
Concen: 50.502 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 439675
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.240 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion:180 Resp: 142630
Ion Ratio Lower Upper
180 100
182 94.7 47.3 142.0
145 32.6 16.2 48.5

