

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060017.D
 Acq On : 7 Feb 2020 8:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 07 23:10:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	284922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107421	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.56	113	88194	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	10.08	98	331600	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	127649	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88100	40.575	ug/l	96
3) Chloromethane	2.04	50	91296	43.406	ug/l	100
4) Vinyl Chloride	2.17	62	118690	49.319	ug/l	97
5) Bromomethane	2.53	94	69848	47.559	ug/l	99
6) Chloroethane	2.68	64	57225	50.261	ug/l	99
7) Trichlorofluoromethane	3.00	101	143237	49.561	ug/l	99
8) Diethyl Ether	3.38	74	52586	51.846	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.73	101	85186	52.958	ug/l	94
10) Methyl Iodide	3.93	142	109415	42.082	ug/l	97
11) Tert butyl alcohol	4.73	59	85613	249.266	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	78916	46.951	ug/l	92
13) Acrolein	3.58	56	44552	183.245	ug/l	98
14) Allyl chloride	4.29	41	118955	52.506	ug/l #	88
15) Acrylonitrile	4.94	53	221098	282.207	ug/l	100
16) Acetone	3.78	43	262649	382.760	ug/l	98
17) Carbon Disulfide	4.03	76	185815	38.808	ug/l	100
18) Methyl Acetate	4.28	43	136263	57.178	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	299349	54.624	ug/l	95
20) Methylene Chloride	4.52	84	94788	51.388	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	87858	49.174	ug/l	90
22) Diisopropyl ether	5.91	45	289542	56.395	ug/l	97
23) Vinyl Acetate	5.86	43	1102429	277.336	ug/l	95
24) 1,1-Dichloroethane	5.81	63	167608	53.428	ug/l	99
25) 2-Butanone	6.80	43	337839	292.409	ug/l	92
26) 2,2-Dichloropropane	6.79	77	161380	53.509	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	108568	52.831	ug/l	91
28) Bromochloromethane	7.17	49	64354	51.325	ug/l #	80
29) Tetrahydrofuran	7.18	42	191897	268.445	ug/l	91
30) Chloroform	7.34	83	181344	55.791	ug/l	100
31) Cyclohexane	7.63	56	137356	45.502	ug/l	93
32) 1,1,1-Trichloroethane	7.54	97	163498	54.402	ug/l	97
36) 1,1-Dichloropropene	7.77	75	126004	50.783	ug/l	96
37) Ethyl Acetate	6.89	43	122731	52.739	ug/l	96
38) Carbon Tetrachloride	7.75	117	141597	52.462	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	151109	49.392	ug/l	94
40) Benzene	8.02	78	382665	51.713	ug/l	99
41) Methacrylonitrile	7.18	41	180603	157.559	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	141862	56.543	ug/l	98
43) Isopropyl Acetate	8.14	43	214604	53.614	ug/l #	95
44) Trichloroethene	8.82	130	106770	52.854	ug/l	95
45) 1,2-Dichloropropane	9.10	63	102544	56.001	ug/l	99
46) Dibromomethane	9.19	93	70341	54.457	ug/l	93
47) Bromodichloromethane	9.39	83	147150	56.532	ug/l	98
48) Methyl methacrylate	9.18	41	94566	52.817	ug/l	92
49) 1,4-Dioxane	9.18	88	34288	1046.114	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	646928	279.584	ug/l	96
52) Toluene	10.14	92	250588	53.612	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	166234	57.196	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	172017	56.250	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	103508	55.914	ug/l	97
56) Ethyl methacrylate	10.42	69	153490	54.262	ug/l	94
57) 1,3-Dichloropropane	10.70	76	167417	56.964	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	263767	309.586	ug/l	93
59) 2-Hexanone	10.74	43	516045	302.727	ug/l	96
60) Dibromochloromethane	10.89	129	121248	57.516	ug/l	100
61) 1,2-Dibromoethane	10.99	107	108477	55.908	ug/l	98
64) Tetrachloroethene	10.62	164	106351	48.741	ug/l	95
65) Chlorobenzene	11.43	112	280589	53.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110692	54.440	ug/l	99
67) Ethyl Benzene	11.50	91	503528	52.712	ug/l	98
68) m/p-Xylenes	11.62	106	377890	104.726	ug/l	96
69) o-Xylene	11.94	106	184164	52.133	ug/l	96
70) Styrene	11.96	104	311487	52.694	ug/l	98
71) Bromoform	12.12	173	92007	56.491	ug/l #	96
73) Isopropylbenzene	12.25	105	510552	51.829	ug/l	100
74) N-amyl acetate	12.06	43	195099	51.041	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	152671	53.461	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	206160	91.204	ug/l #	100
77) Bromobenzene	12.52	156	128792	51.628	ug/l	85
78) n-propylbenzene	12.59	91	584293	52.846	ug/l	98
79) 2-Chlorotoluene	12.67	91	340349	51.744	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	429791	51.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	57344	54.479	ug/l	96
82) 4-Chlorotoluene	12.77	91	354440	53.724	ug/l	97
83) tert-Butylbenzene	12.99	119	371684	51.874	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	432623	52.785	ug/l	99
85) sec-Butylbenzene	13.17	105	506120	53.764	ug/l	99
86) p-Isopropyltoluene	13.28	119	467552	53.676	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	237161	54.730	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	232867	53.869	ug/l	98
89) n-Butylbenzene	13.61	91	418132	56.299	ug/l	99
90) Hexachloroethane	13.87	117	88889	54.542	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	228621	53.367	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32125	52.515	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141575	54.999	ug/l	98
94) Hexachlorobutadiene	15.01	225	77388	54.556	ug/l	100
95) Naphthalene	15.13	128	378110	51.642	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	136662	54.543	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

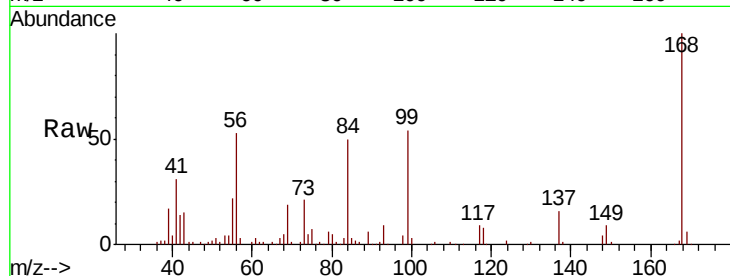
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 183717

Ion Ratio Lower Upper

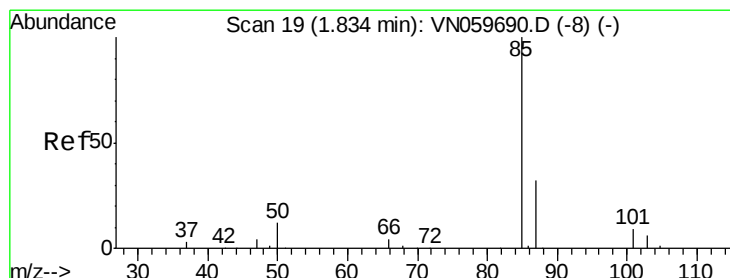
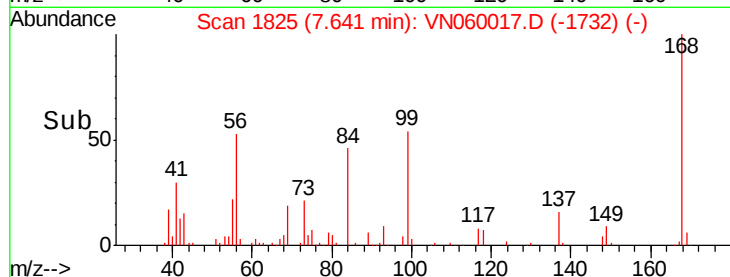
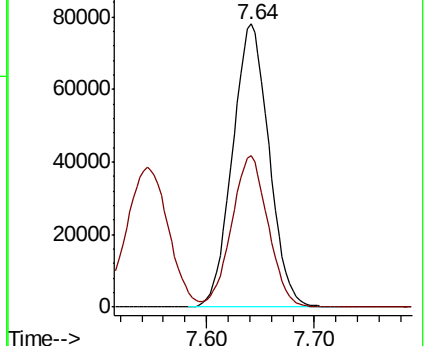
168 100

99 53.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 40.575 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060017.D

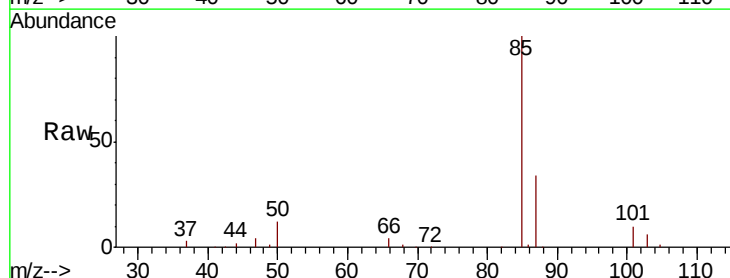
Acq: 7 Feb 2020 8:59

Tgt Ion: 85 Resp: 88100

Ion Ratio Lower Upper

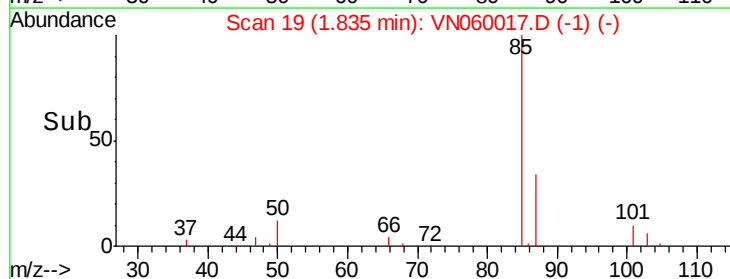
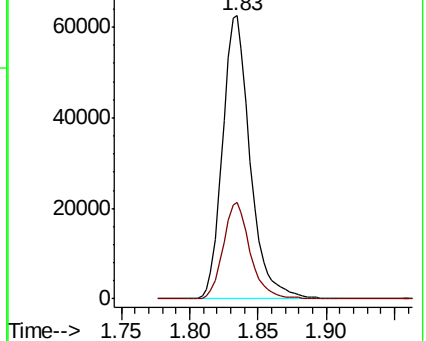
85 100

87 34.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.406 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

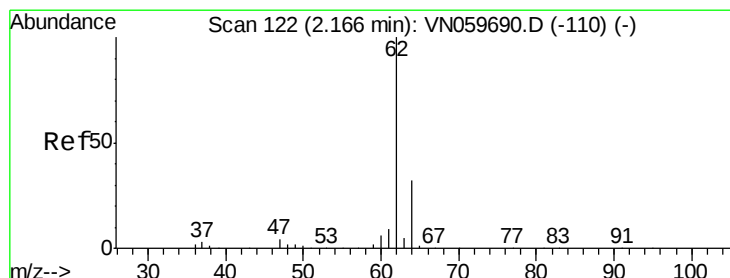
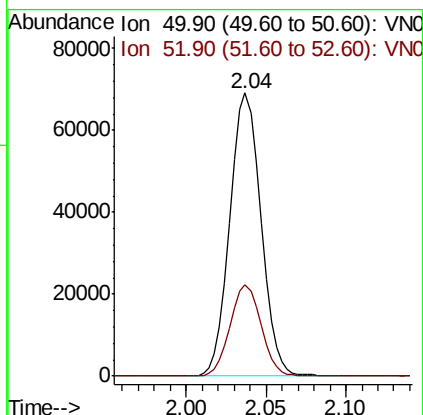
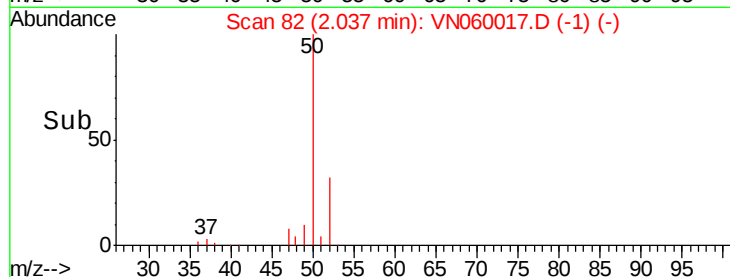
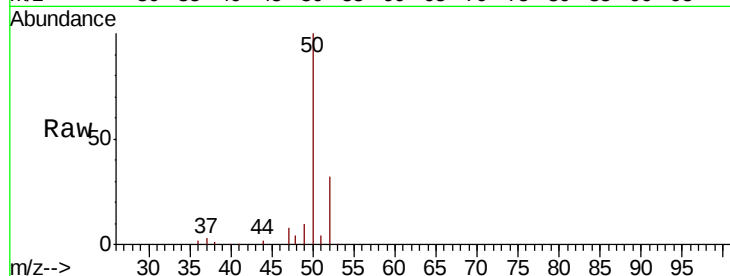
ClientSampleId :

Tot Ion: 50 Resp: 91296

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



#4

Vinyl Chloride

Concen: 49.319 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060017.D

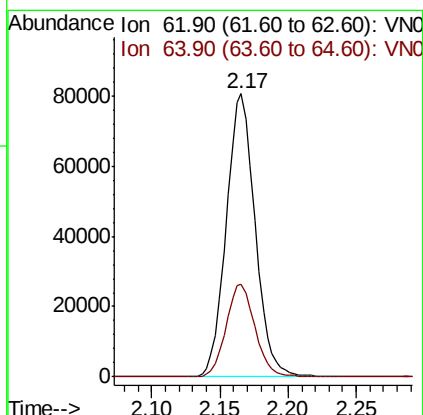
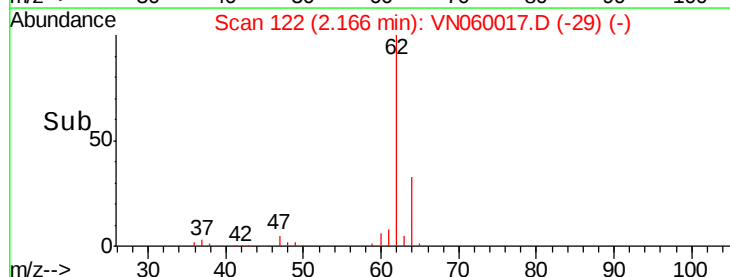
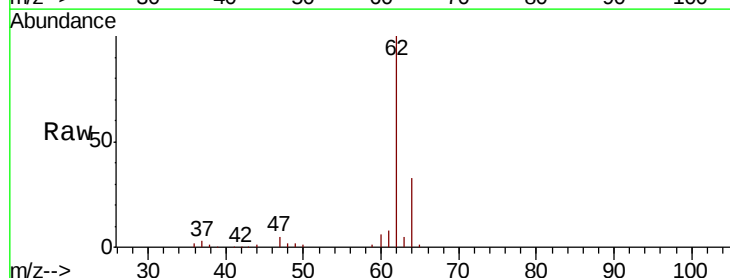
Acq: 7 Feb 2020 8:59

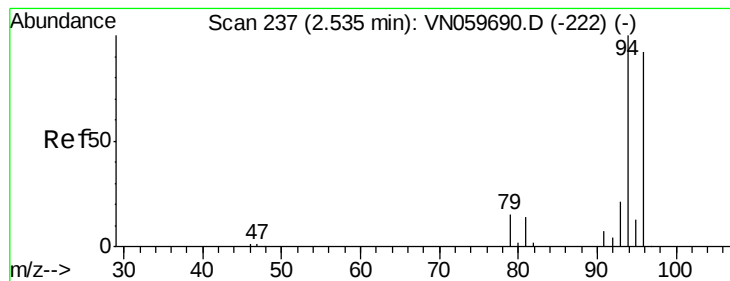
Tgt Ion: 62 Resp: 118690

Ion Ratio Lower Upper

62 100

64 32.5 24.6 37.0





#5

Bromomethane

Concen: 47.559 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

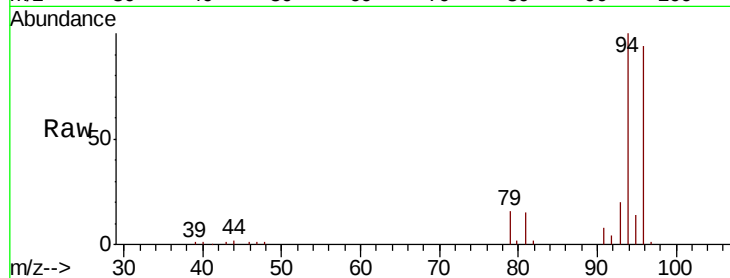
ClientSampleId :

Tot Ion: 94 Resp: 69848

Ion Ratio Lower Upper

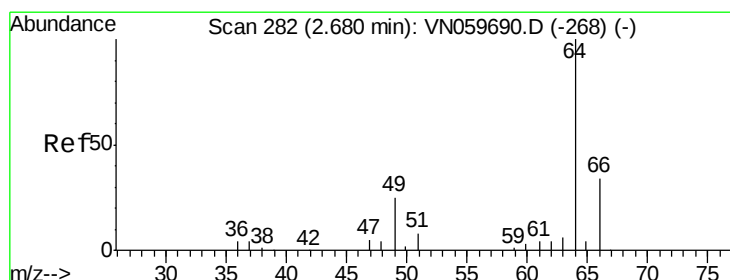
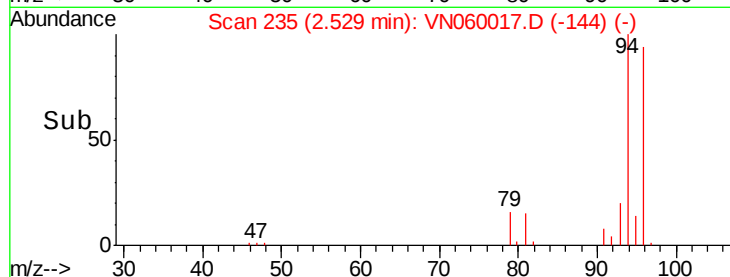
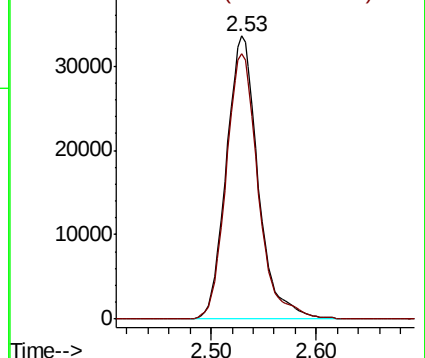
94 100

96 93.9 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.261 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN060017.D

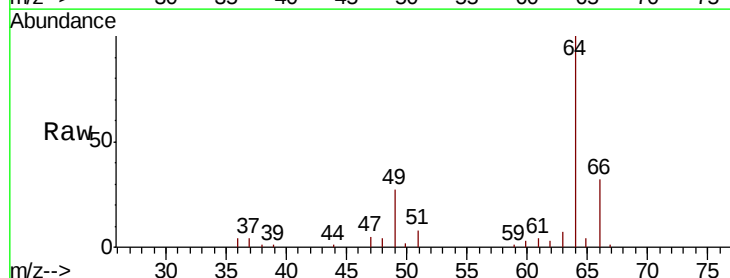
Acq: 7 Feb 2020 8:59

Tgt Ion: 64 Resp: 57225

Ion Ratio Lower Upper

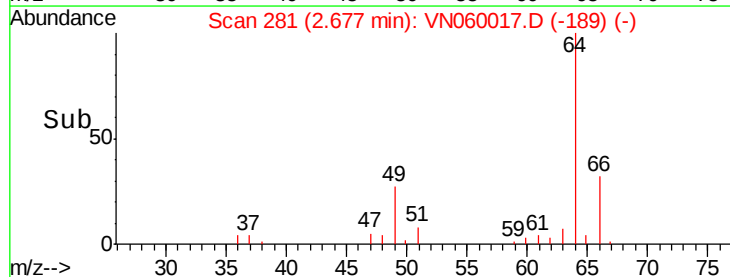
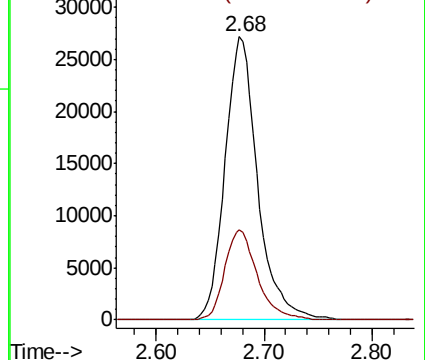
64 100

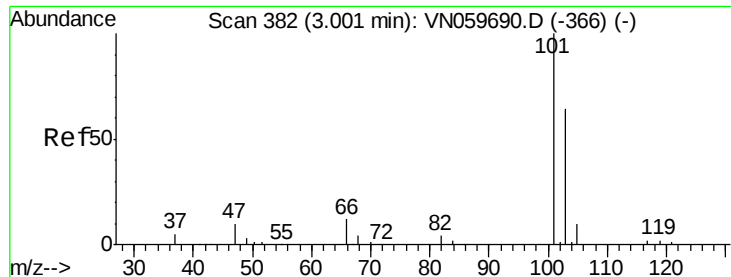
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



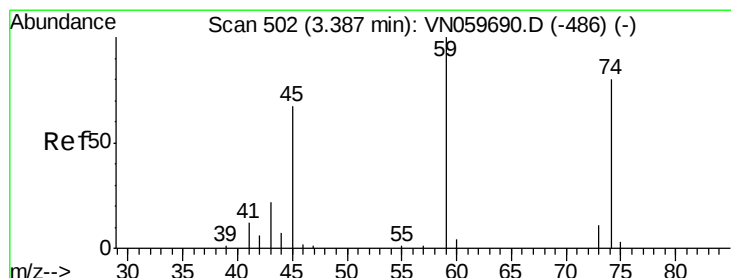
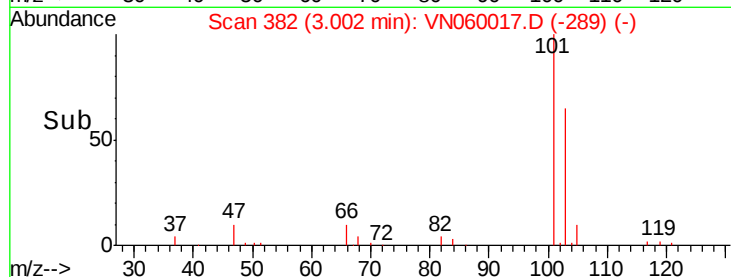
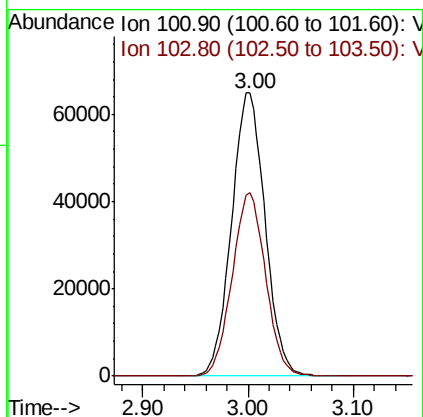
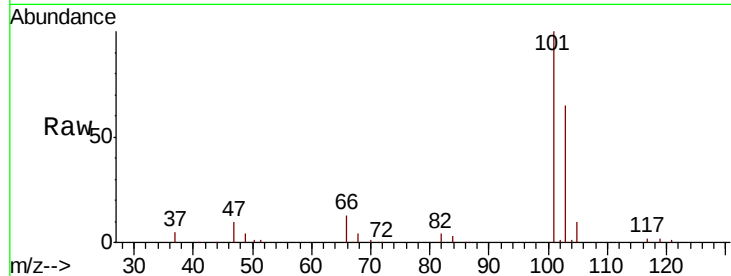


#7

Trichlorofluoromethane
 Concen: 49.561 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampled :

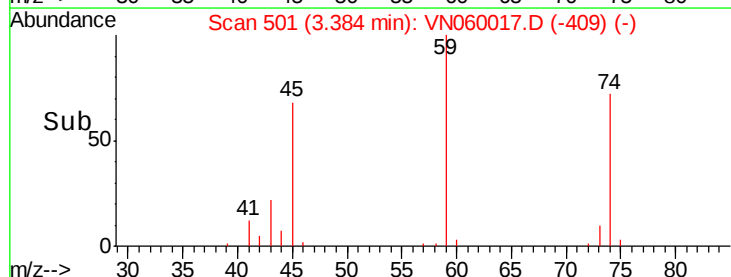
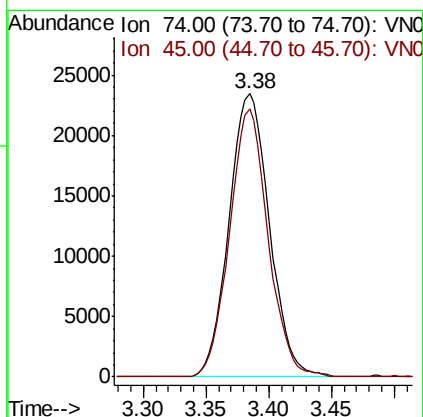
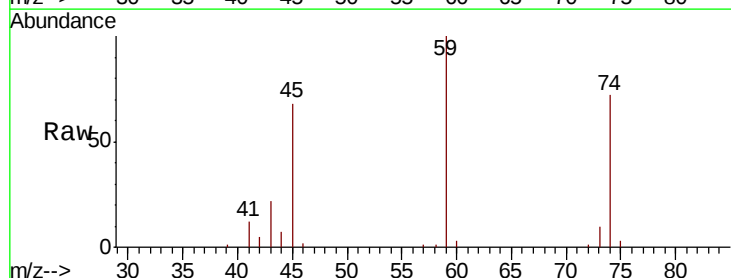
Tot Ion:101 Resp: 143237
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.6



#8

Diethyl Ether
 Concen: 51.846 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion: 74 Resp: 52586
 Ion Ratio Lower Upper
 74 100
 45 89.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.958 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

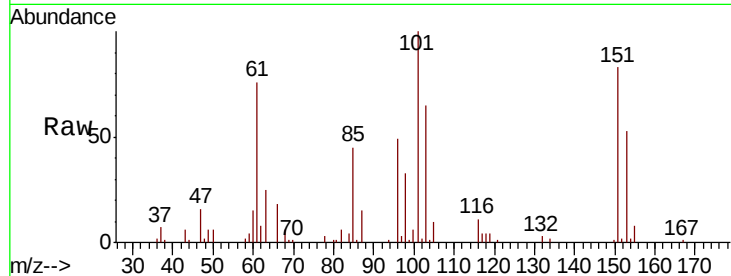
Tot Ion:101 Resp: 85186

Ion Ratio Lower Upper

101 100

85 44.9 36.6 54.8

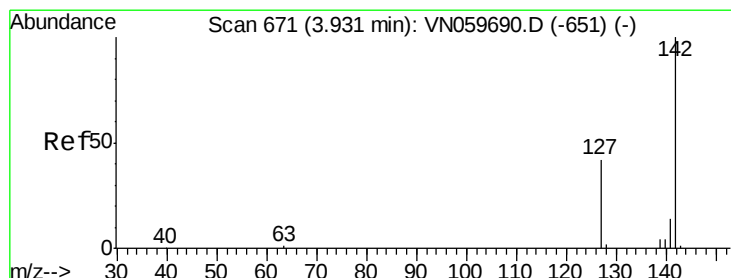
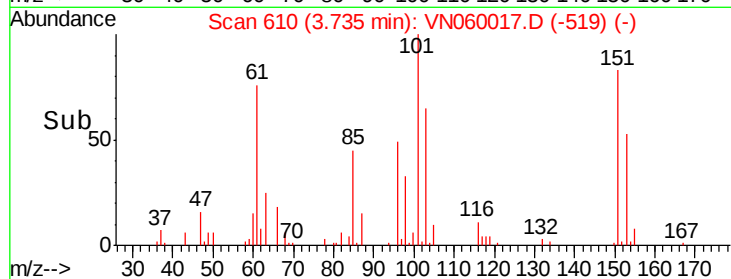
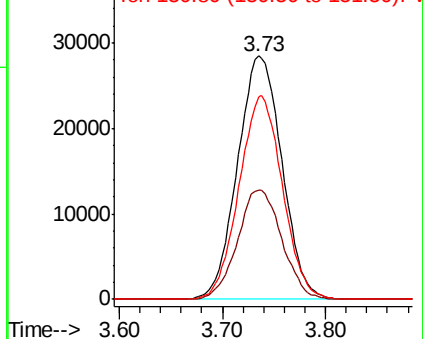
151 81.7 59.7 89.5



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: 42.082 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

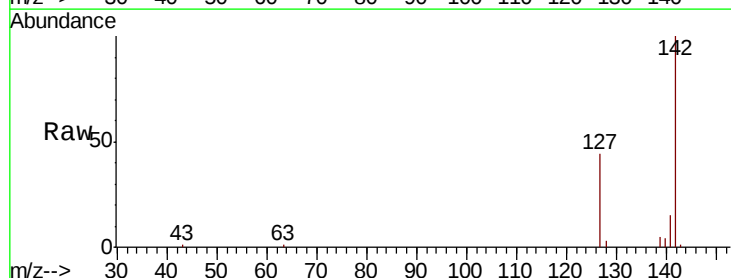
Tgt Ion:142 Resp: 109415

Ion Ratio Lower Upper

142 100

127 43.1 36.7 55.1

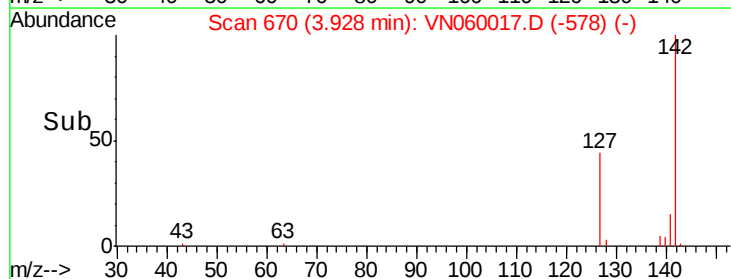
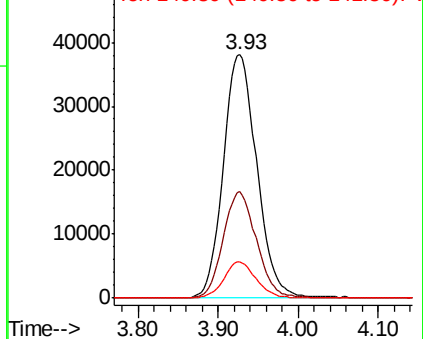
141 14.3 11.7 17.5

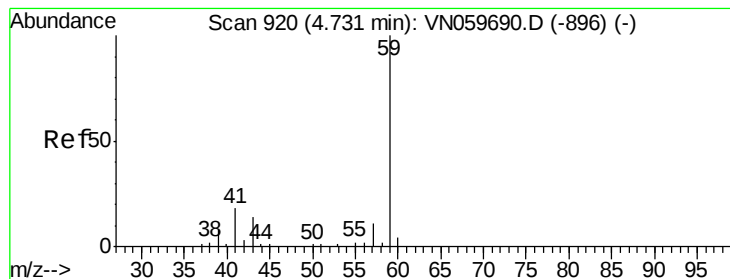


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



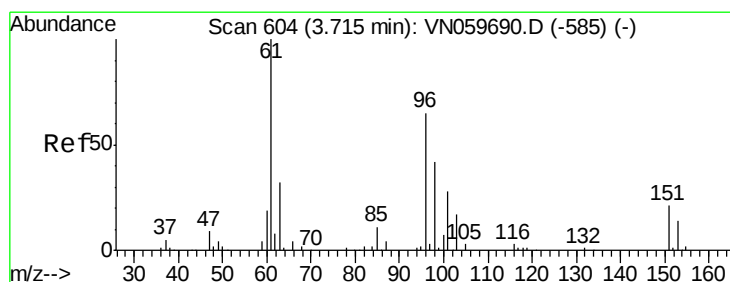
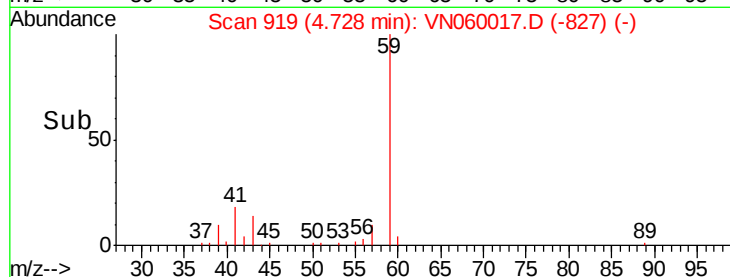
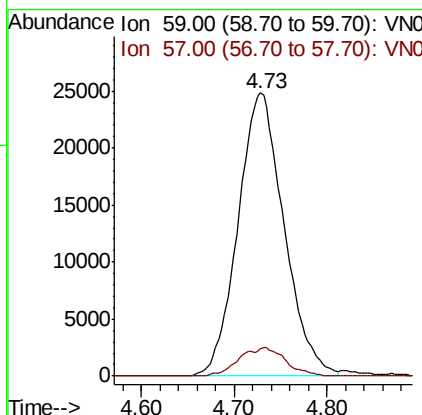
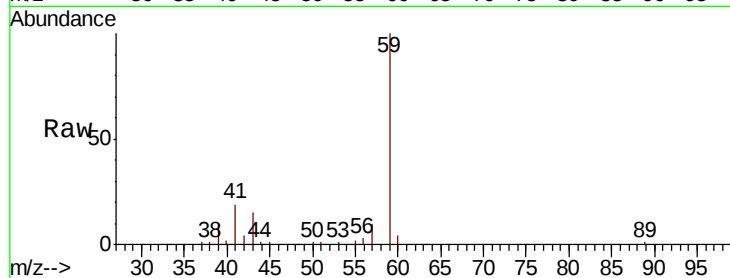


#11

Tert butyl alcohol
 Concen: 249.266 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampled :

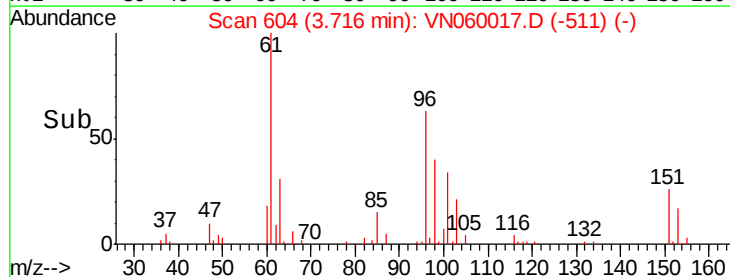
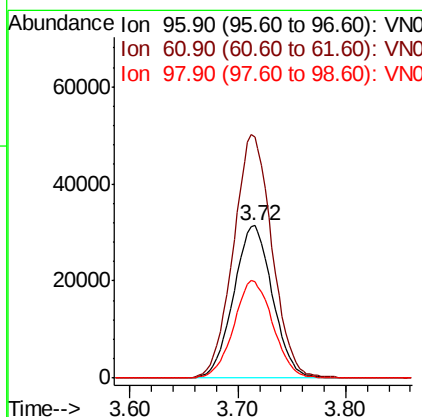
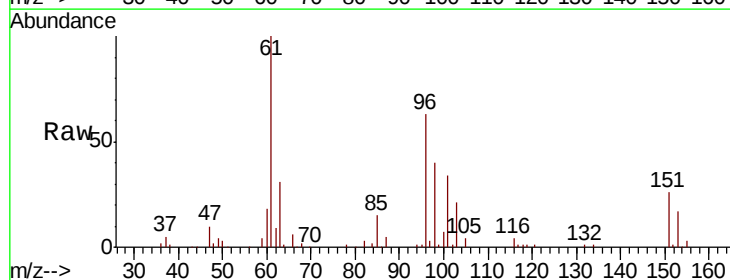
Tot Ion: 59 Resp: 85613
 Ion Ratio Lower Upper
 59 100
 57 4.0 8.6 12.8#



#12

1,1-Dichloroethene
 Concen: 46.951 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion: 96 Resp: 78916
 Ion Ratio Lower Upper
 96 100
 61 157.7 137.5 206.3
 98 62.9 50.2 75.4





#13

Acrolein

Concen: 183.245 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

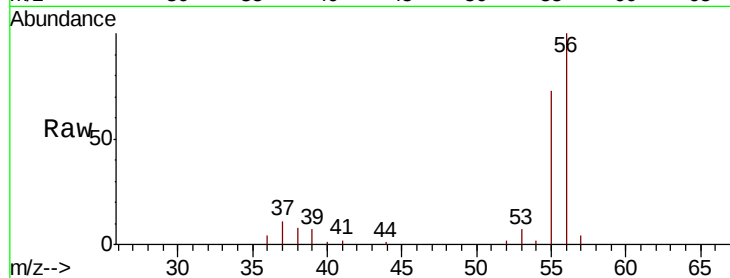
ClientSampled :

Tot Ion: 56 Resp: 44552

Ion Ratio Lower Upper

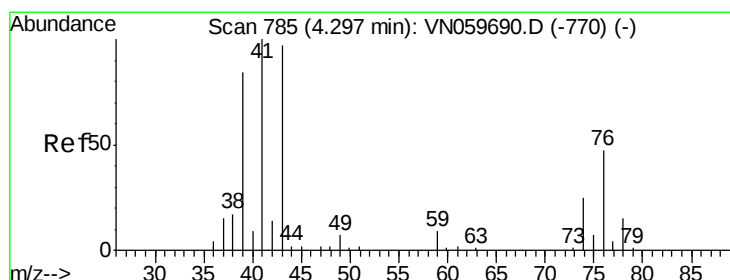
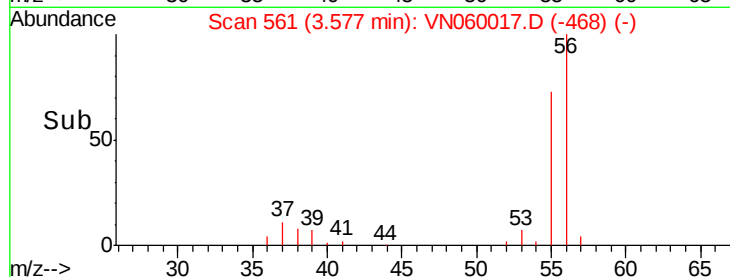
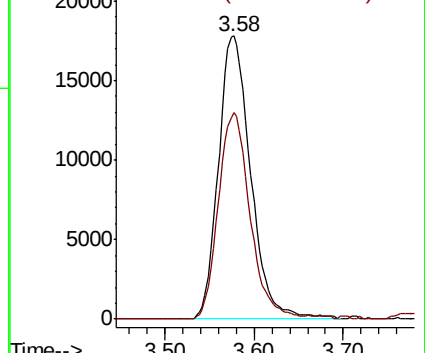
56 100

55 71.5 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.506 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

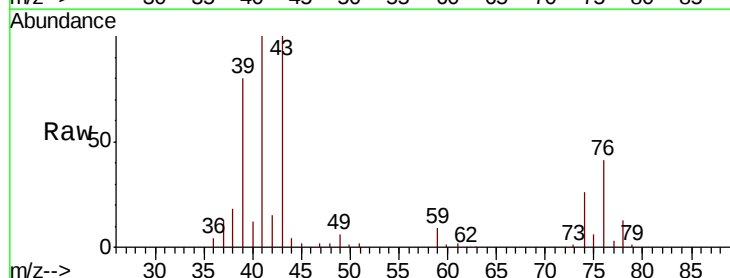
Tgt Ion: 41 Resp: 118955

Ion Ratio Lower Upper

41 100

39 81.0 57.8 86.8

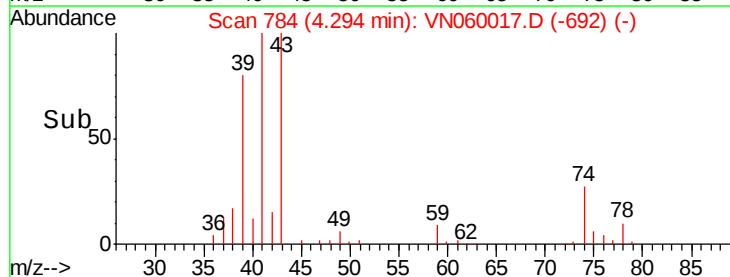
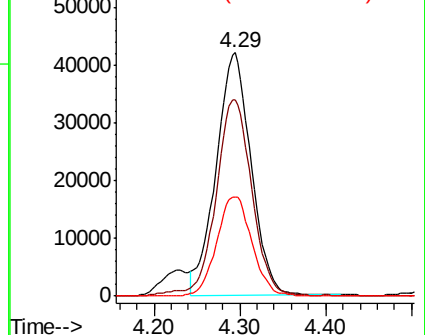
76 41.3 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 282.207 ug/l

RT: 4.94 min Scan# 985

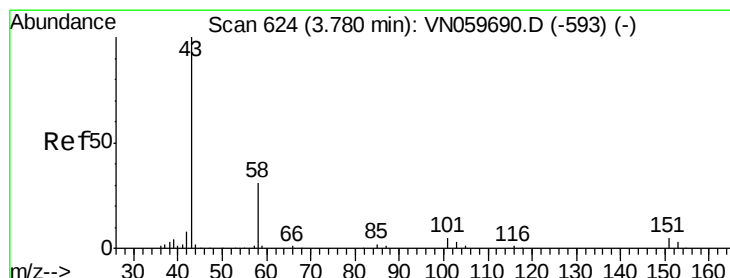
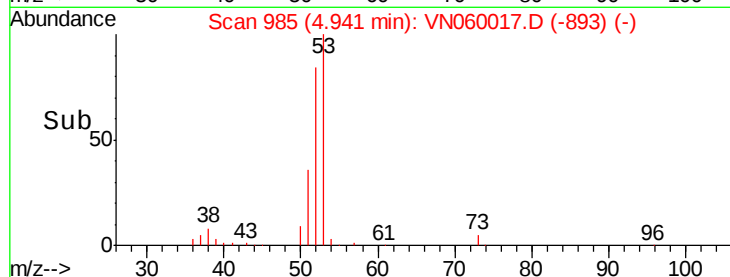
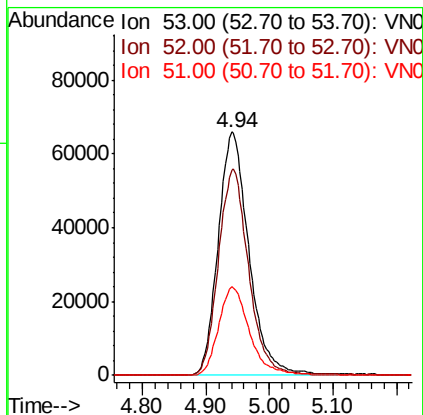
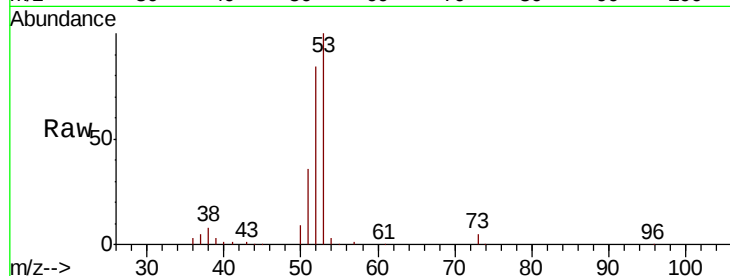
Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	53	Resp:	221098
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.3	99.5
51	36.7	29.7	44.5



#16

Acetone

Concen: 382.760 ug/l

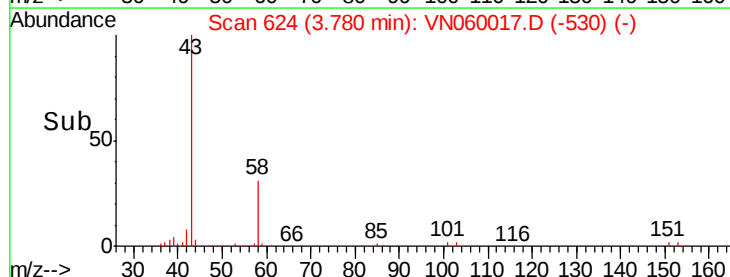
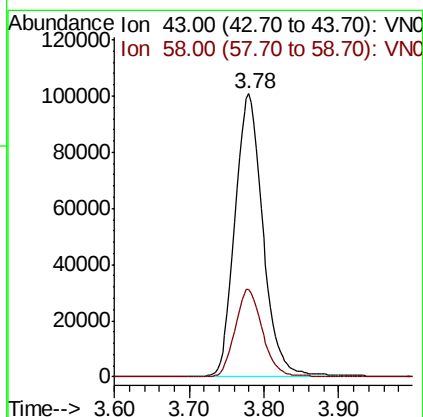
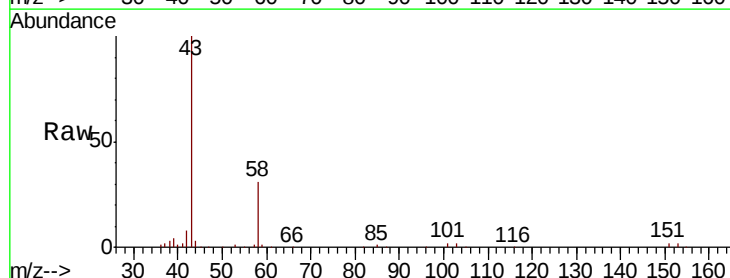
RT: 3.78 min Scan# 624

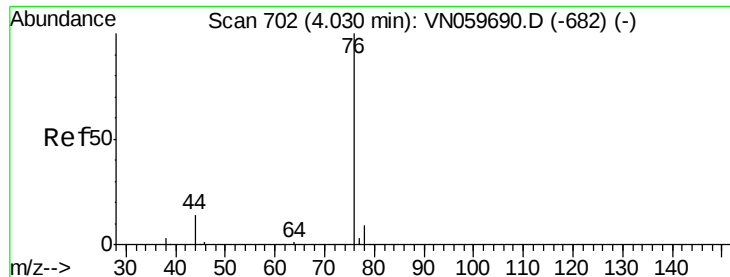
Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:	43	Resp:	262649
Ion	Ratio	Lower	Upper
43	100		
58	30.7	23.6	35.4

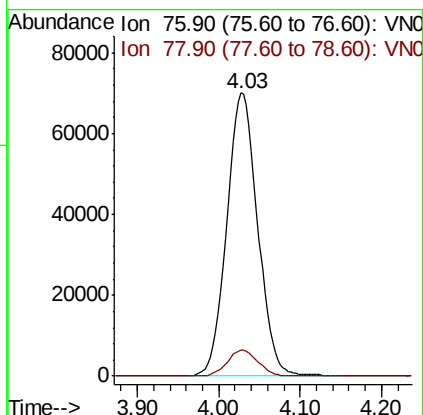
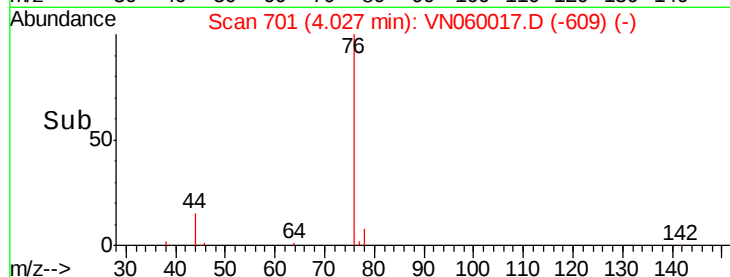
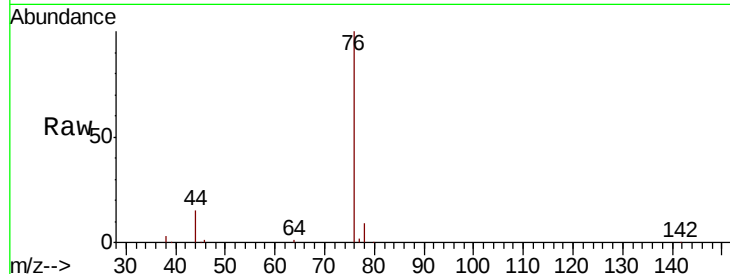




#17
Carbon Disulfide
Concen: 38.808 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

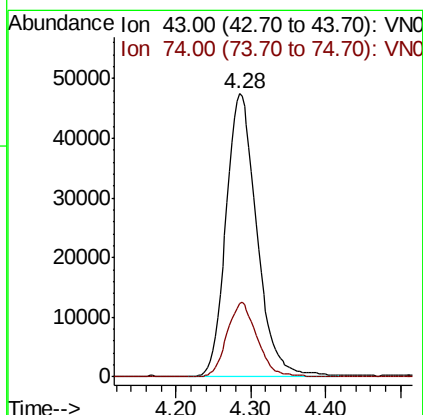
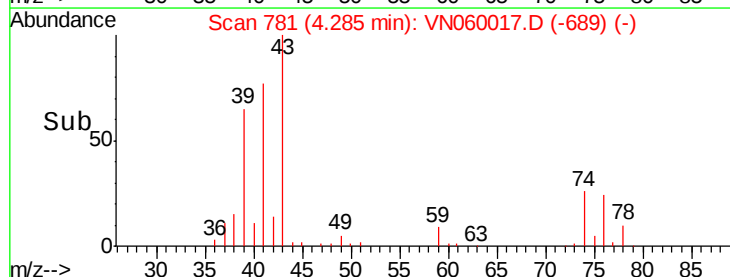
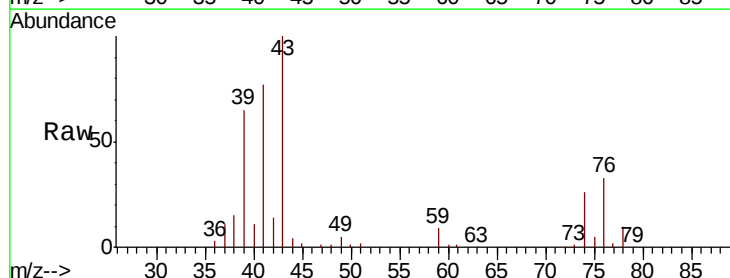
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 185815
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 57.178 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 43 Resp: 136263
Ion Ratio Lower Upper
43 100
74 25.6 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 54.624 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.00 min

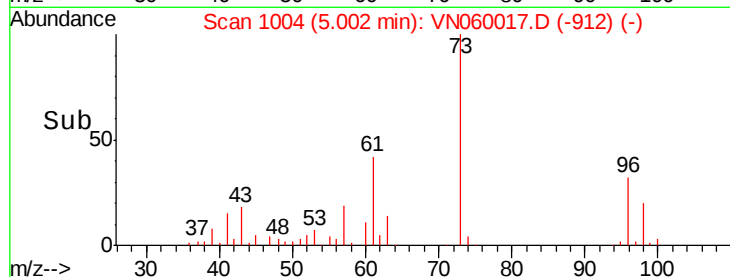
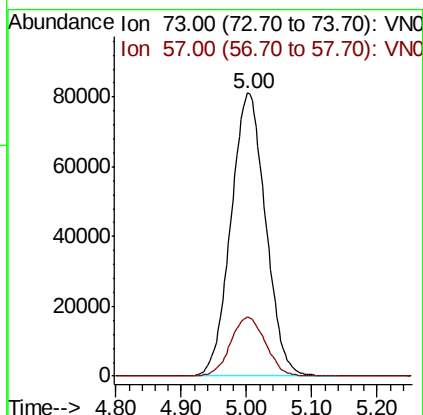
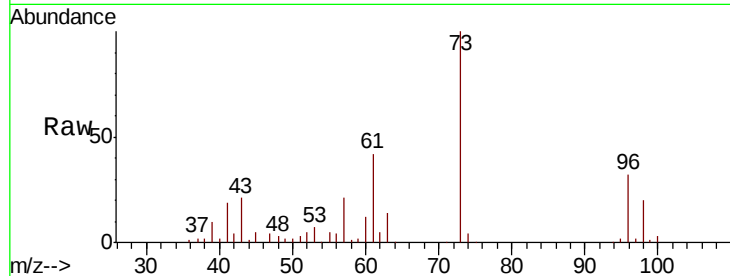
Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 299349

Ion	Ratio	Lower	Upper
73	100		
57	20.9	18.6	27.8



#20

Methylene Chloride

Concen: 51.388 ug/l

RT: 4.52 min Scan# 854

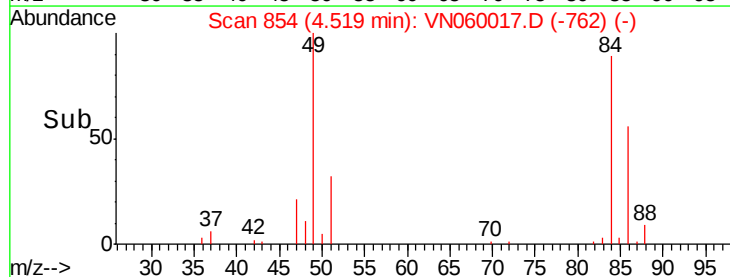
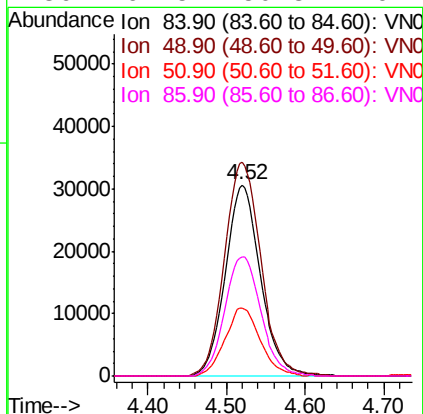
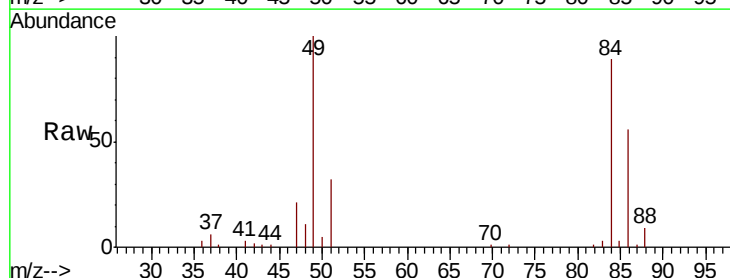
Delta R.T. -0.00 min

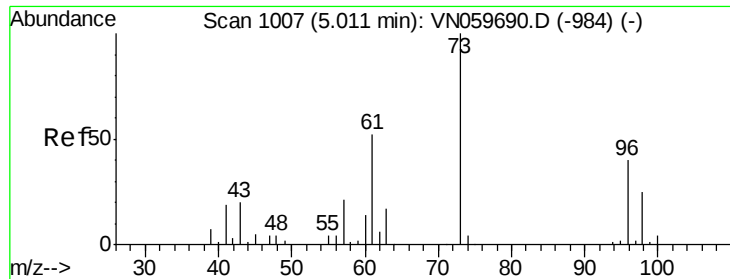
Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion: 84 Resp: 94788

Ion	Ratio	Lower	Upper
84	100		
49	111.9	106.6	160.0
51	35.3	31.9	47.9
86	62.5	50.8	76.2

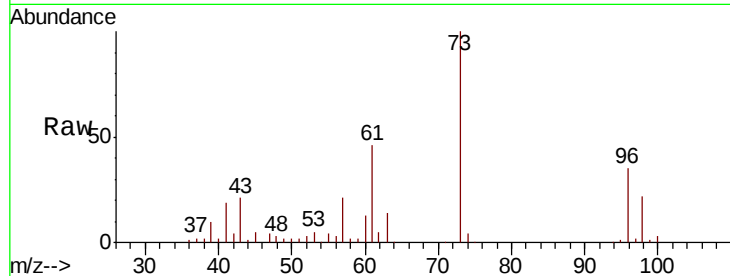




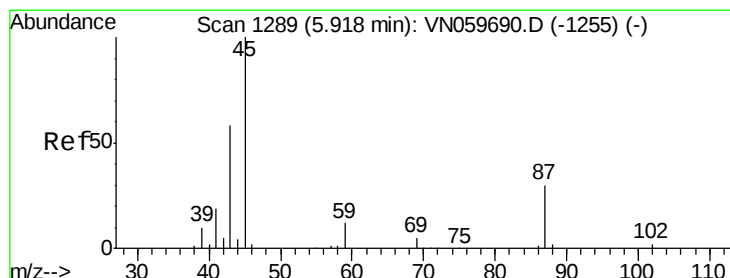
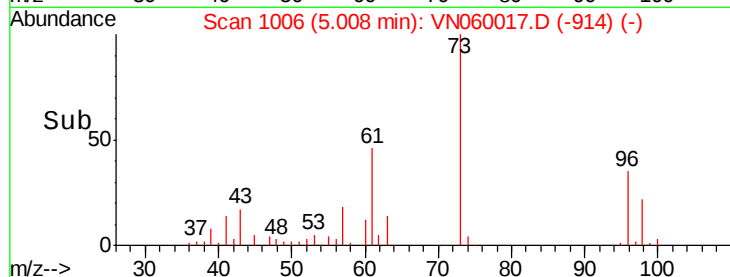
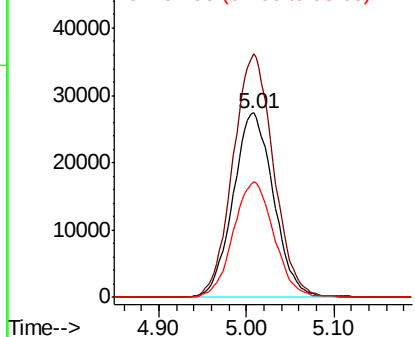
#21
trans-1,2-Dichloroethene
Concen: 49.174 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 87858
Ion Ratio Lower Upper
96 100
61 132.0 120.4 180.6
98 62.6 50.6 75.8

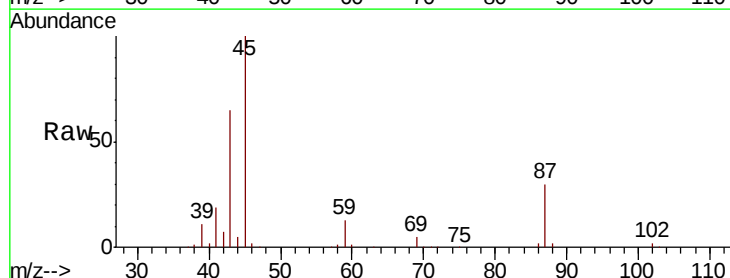


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

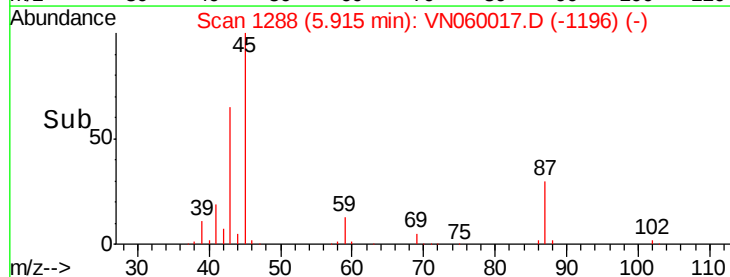
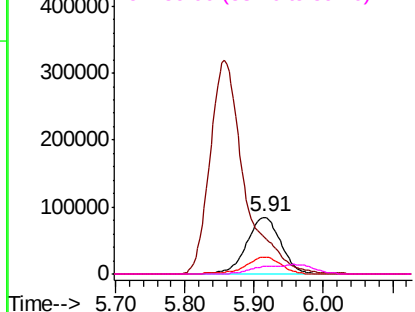


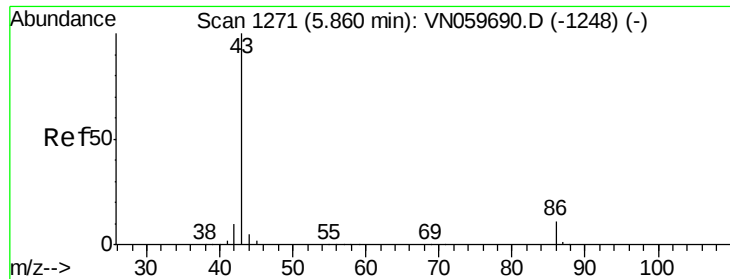
#22
Diisopropyl ether
Concen: 56.395 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 45 Resp: 289542
Ion Ratio Lower Upper
45 100
43 63.4 50.8 76.2
87 30.4 21.0 31.6
59 12.7 9.1 13.7



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

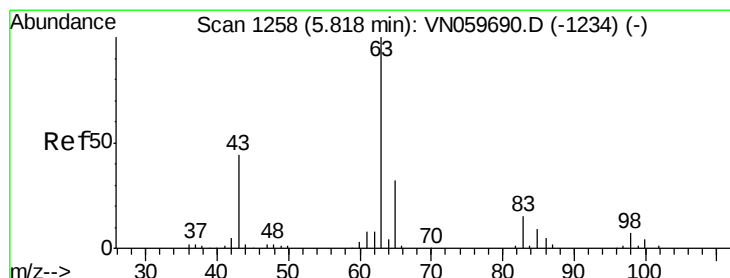
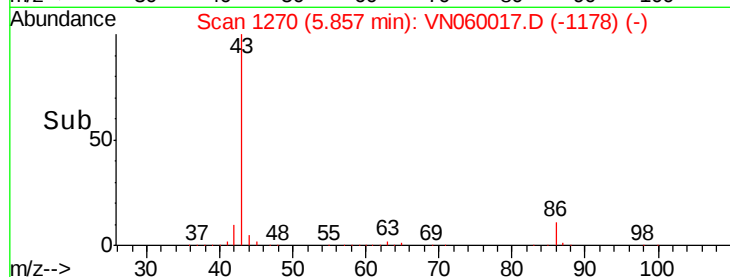
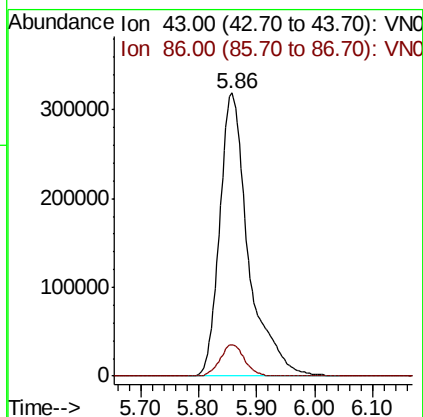
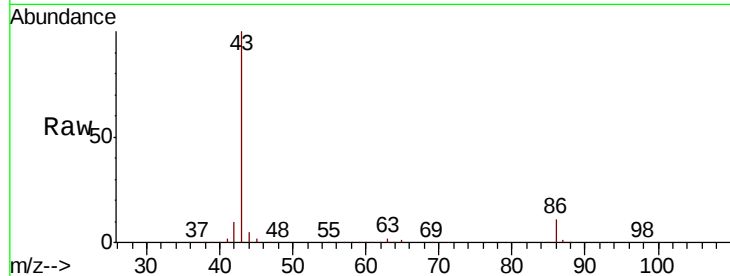




#23
 Vinyl Acetate
 Concen: 277.336 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

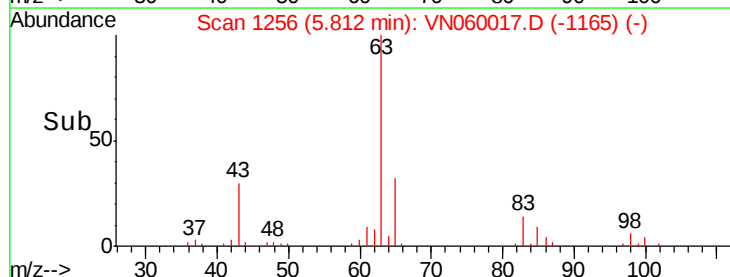
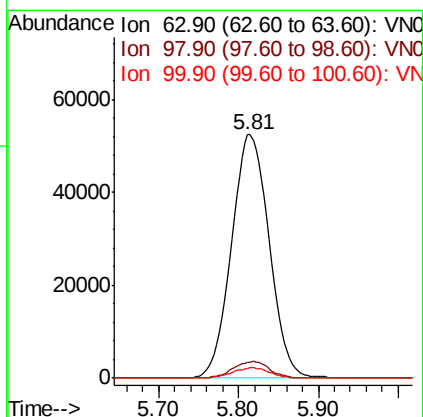
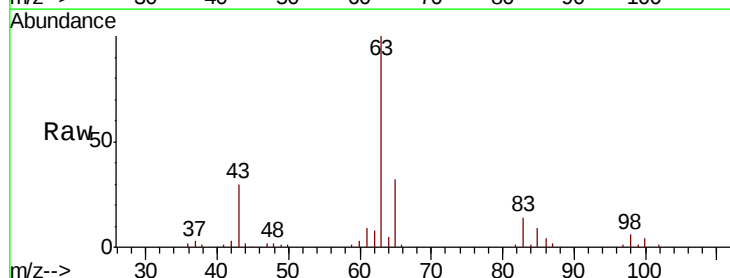
Instrument :
 MSVOA_N
 ClientSampleId :

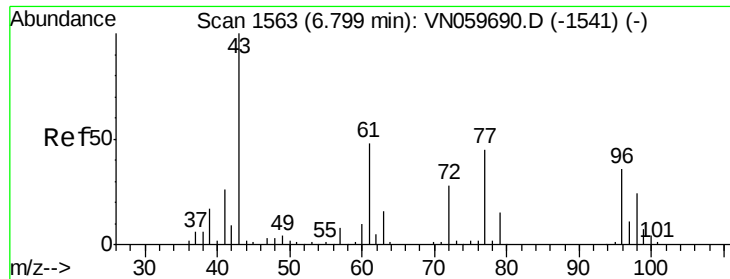
Tot Ion: 43 Resp: 1102429
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 53.428 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion: 63 Resp: 167608
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.7
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 292.409 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

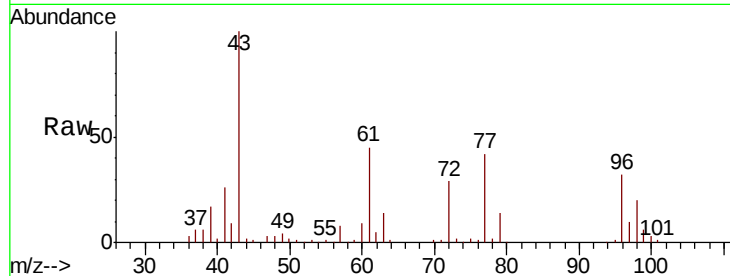
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 337839

Ion Ratio Lower Upper

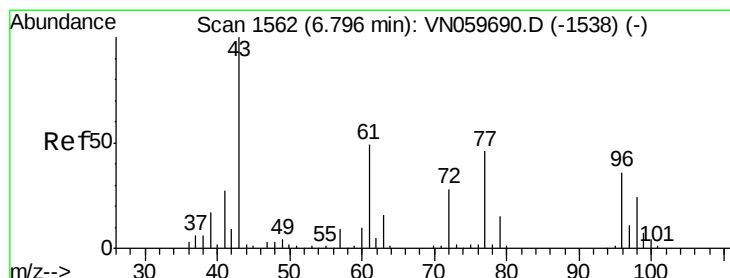
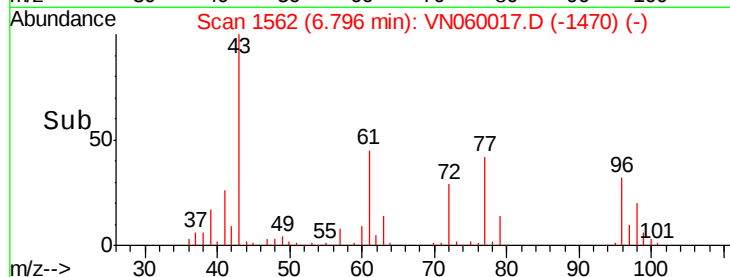
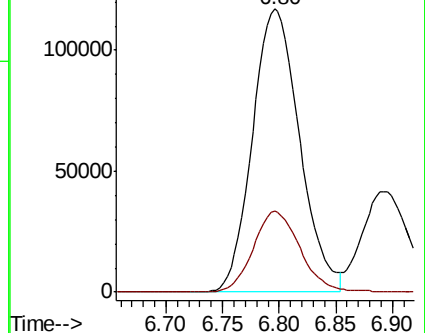
43 100

72 28.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 53.509 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060017.D

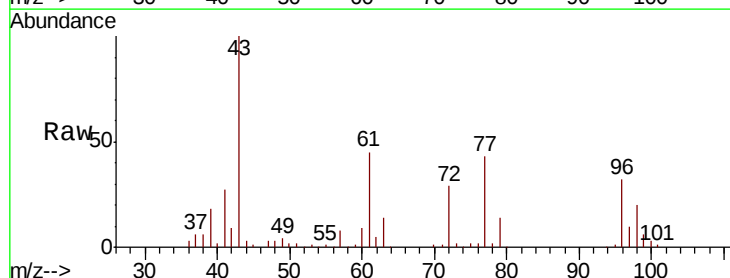
Acq: 7 Feb 2020 8:59

Tgt Ion: 77 Resp: 161380

Ion Ratio Lower Upper

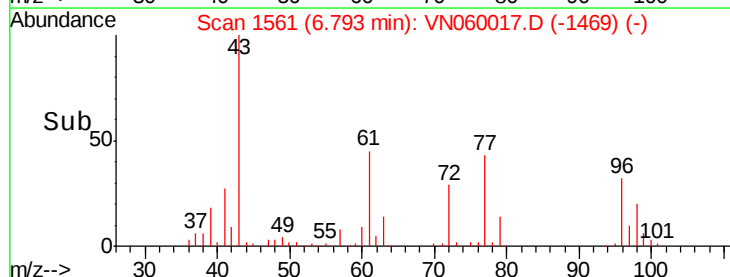
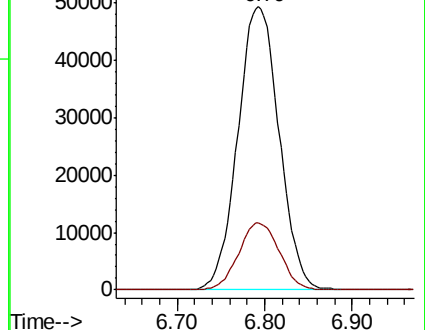
77 100

97 23.3 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 52.831 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :

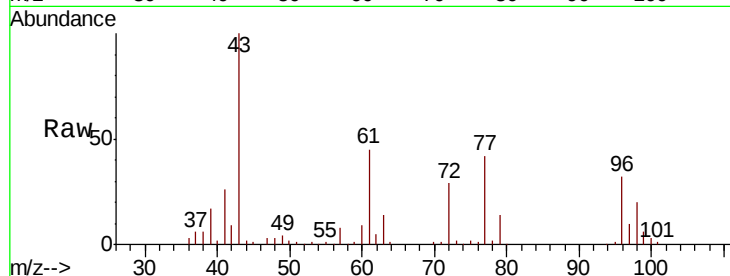
Tot Ion: 96 Resp: 108568

Ion Ratio Lower Upper

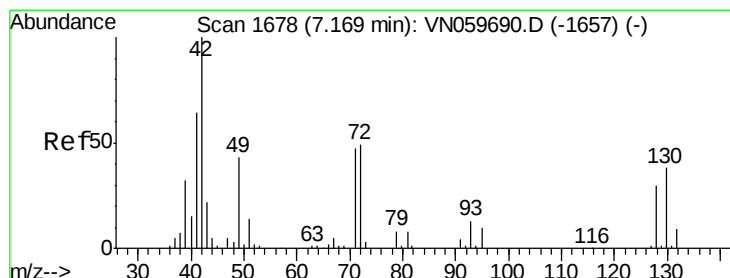
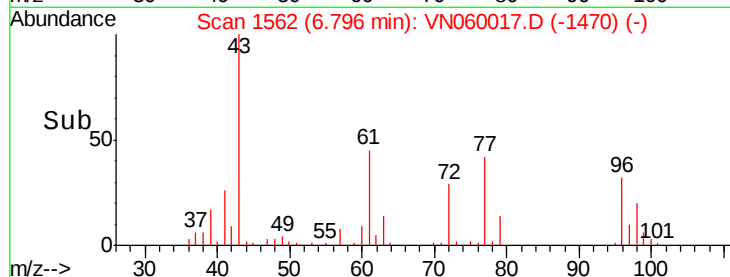
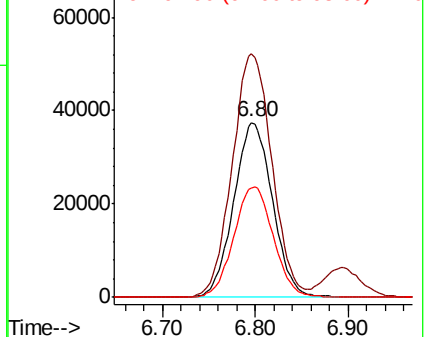
96 100

61 142.9 0.0 317.6

98 64.6 0.0 127.0



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: 51.325 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

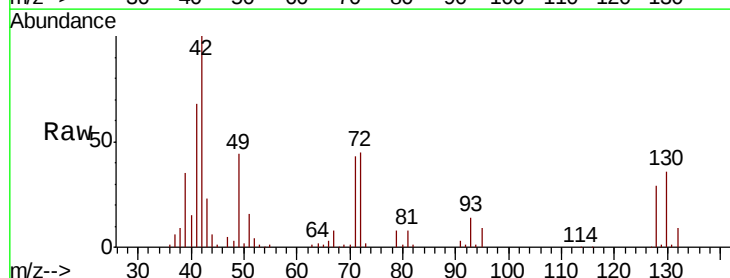
Tgt Ion: 49 Resp: 64354

Ion Ratio Lower Upper

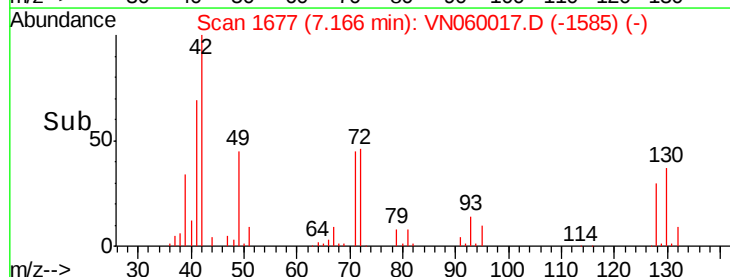
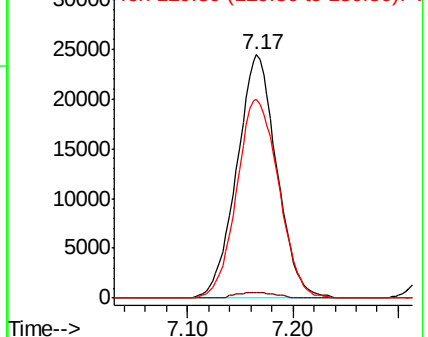
49 100

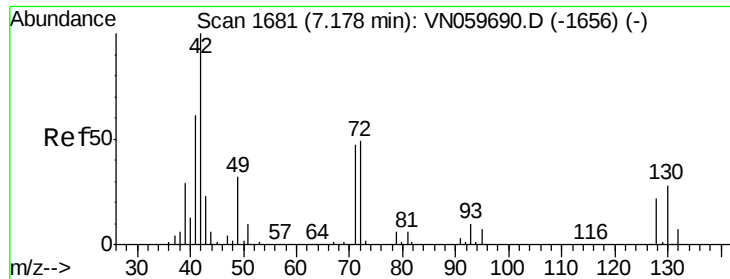
129 2.3 0.0 3.4

130 85.4 54.7 82.1#



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

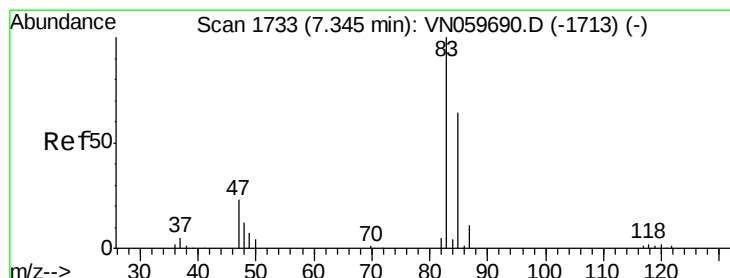
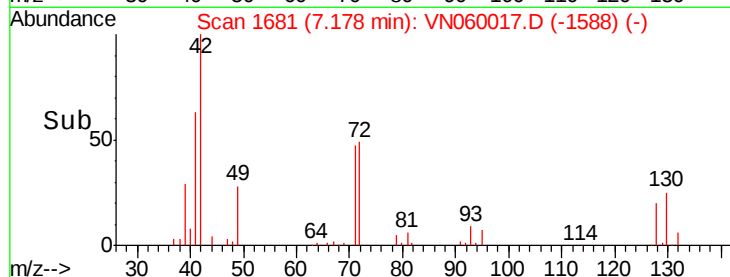
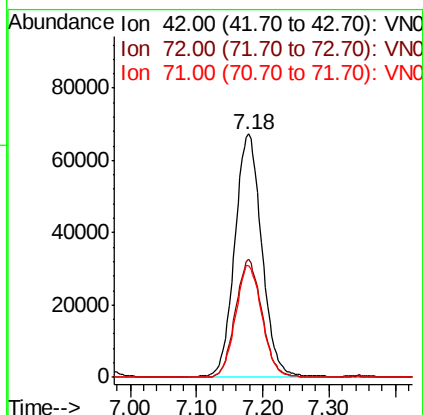
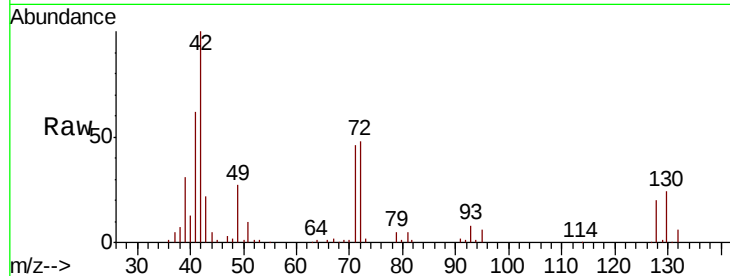




#29
Tetrahydrofuran
Concen: 268.445 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

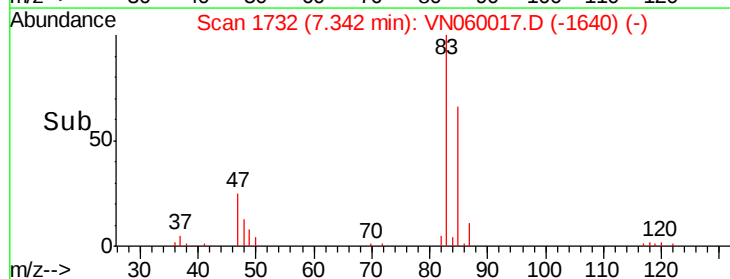
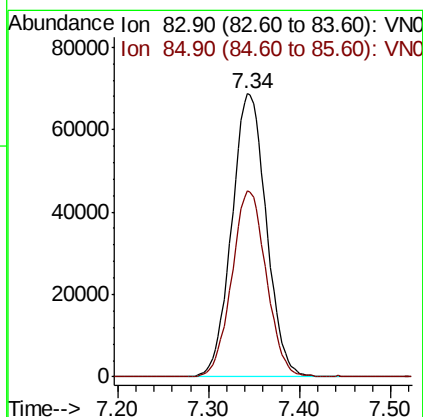
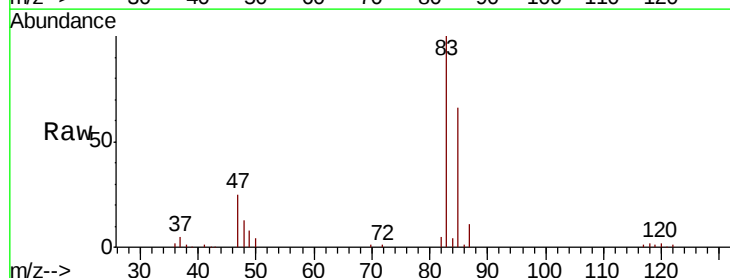
Instrument :
MSVOA_N
ClientSampled :

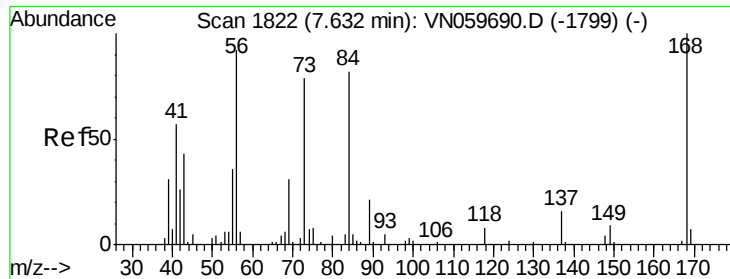
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	33.1	49.7
71	44.9	31.4	47.0



#30
Chloroform
Concen: 55.791 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6

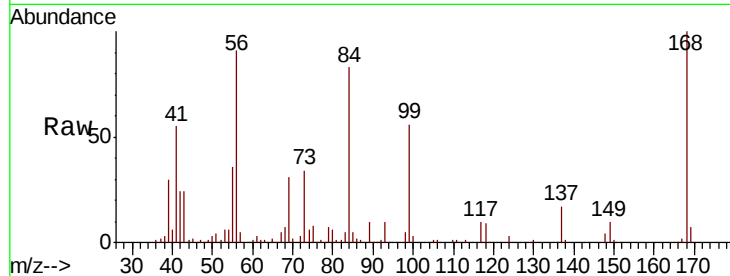




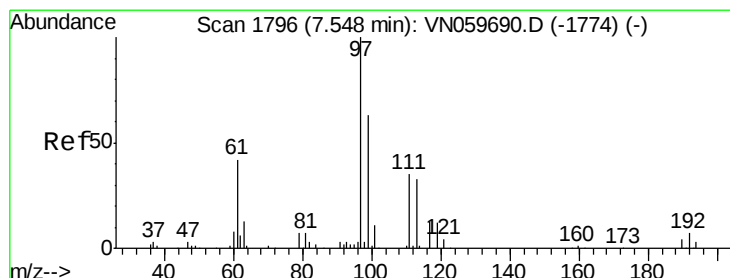
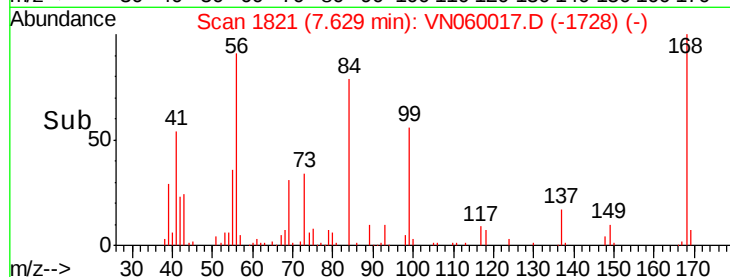
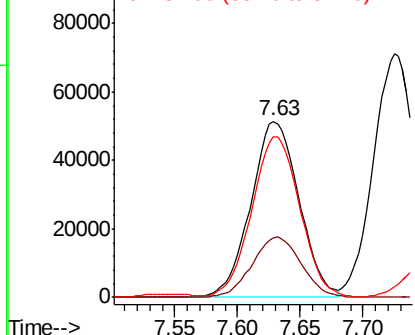
#31
Cyclohexane
Concen: 45.502 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 137356
Ion Ratio Lower Upper
56 100
69 33.5 26.5 39.7
84 89.7 65.3 97.9

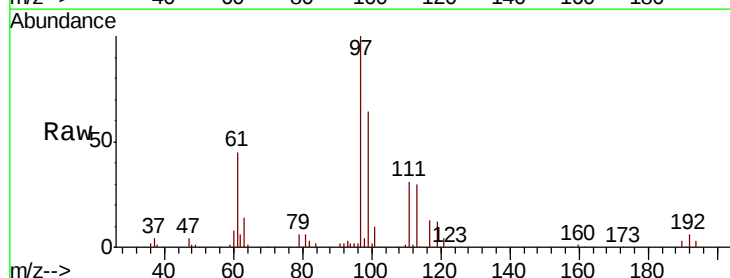


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

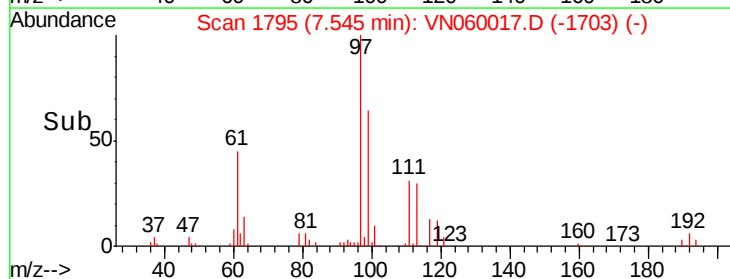
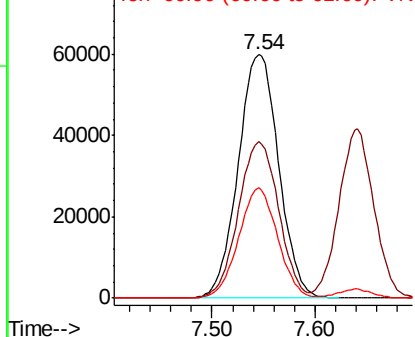


#32
1,1,1-Trichloroethane
Concen: 54.402 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 97 Resp: 163498
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 43.6 38.5 57.7



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

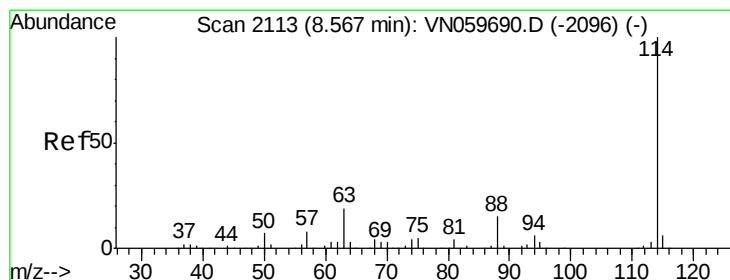
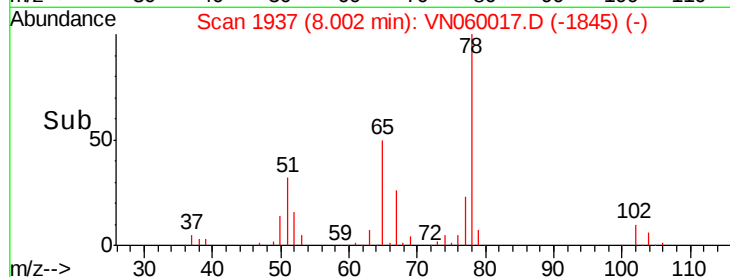
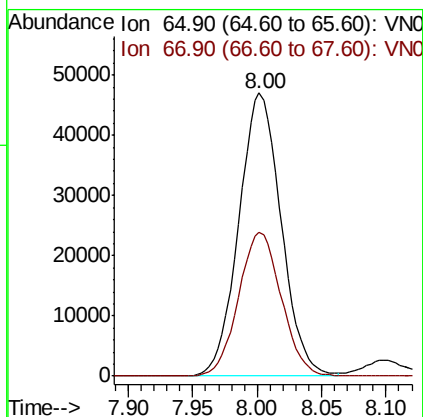
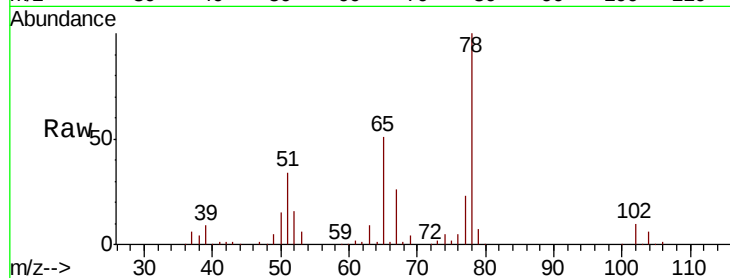




#33
 1,2-Dichloroethane-d4
 Concen: 52.652 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

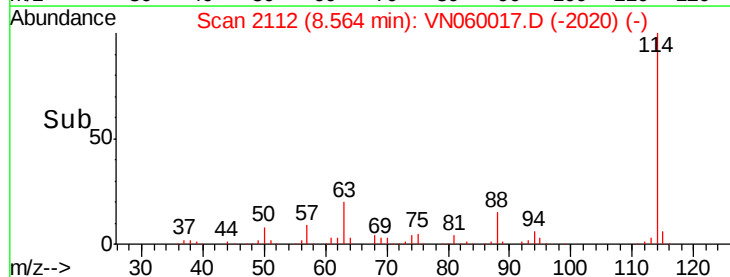
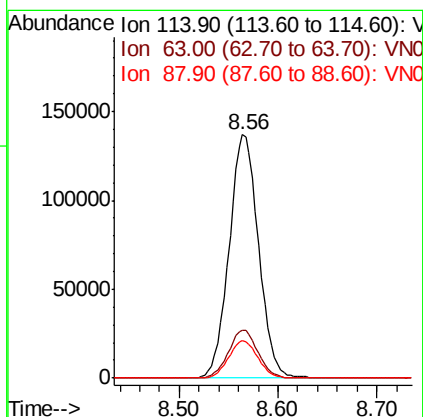
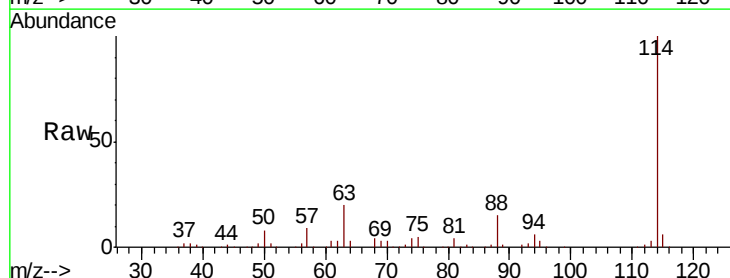
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 107421
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion: 114 Resp: 284922
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.6
 88 15.3 0.0 31.4

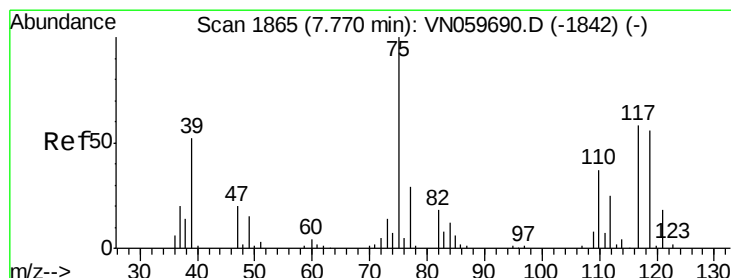
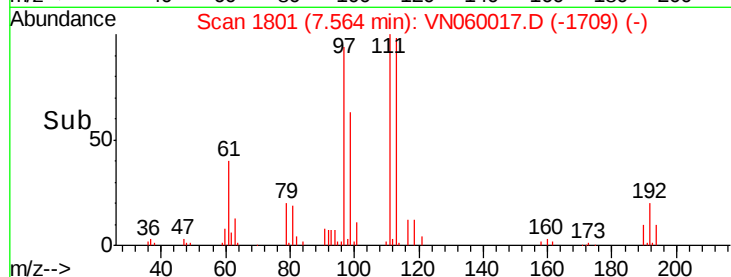
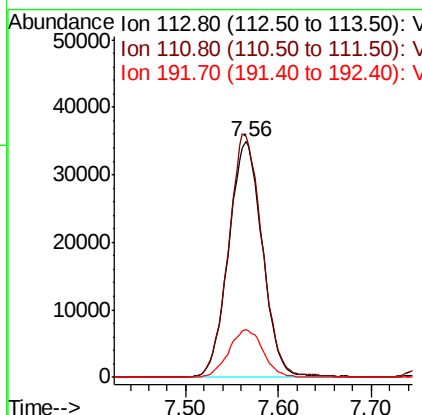
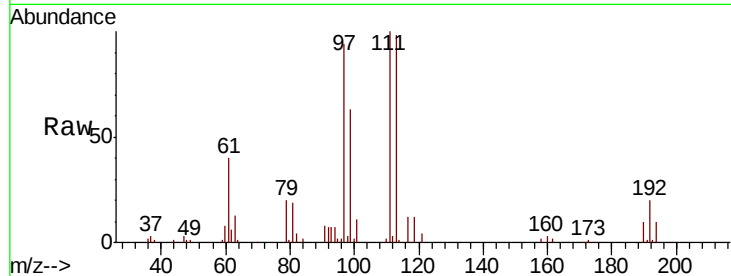




#35
 Dibromofluoromethane
 Concen: 51.906 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

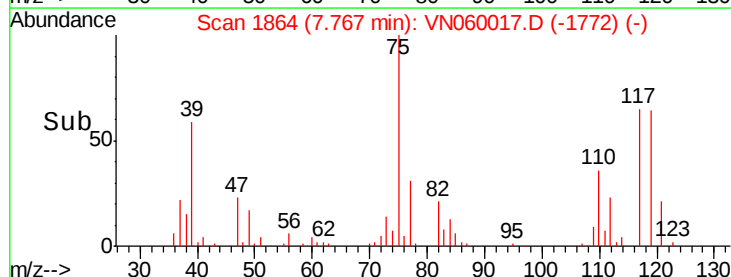
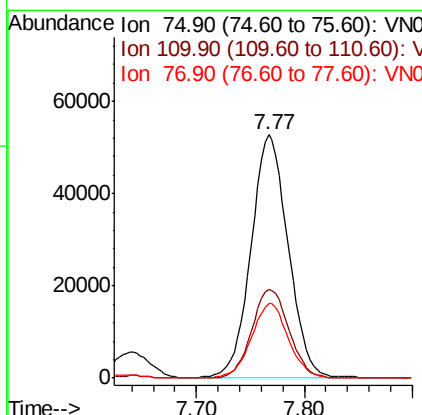
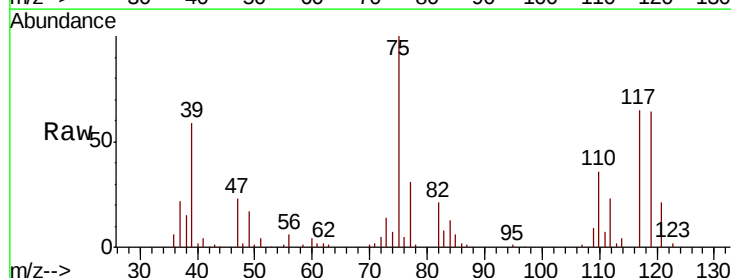
Instrument :
 MSVOA_N
 ClientSampled :

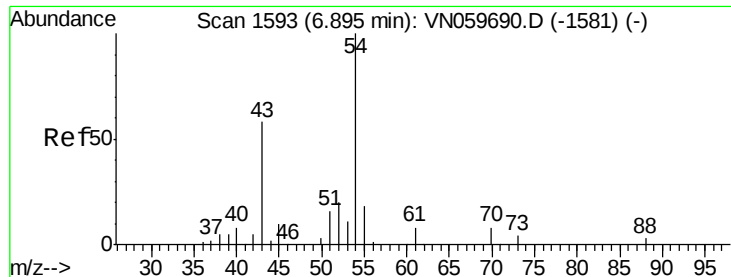
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.5	125.3
192	20.5	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 50.783 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	16.6	49.7
77	30.4	25.1	37.7

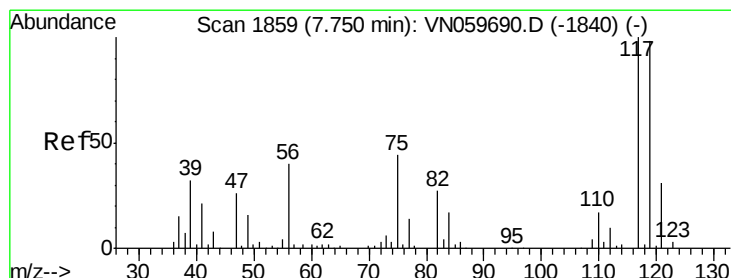
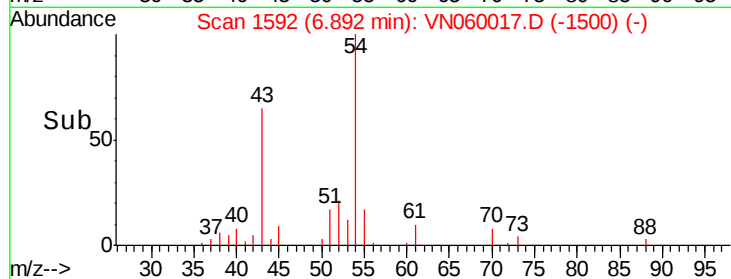
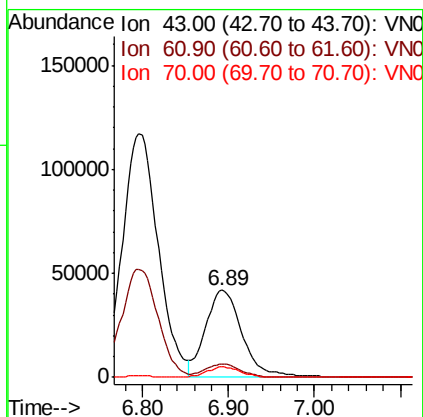
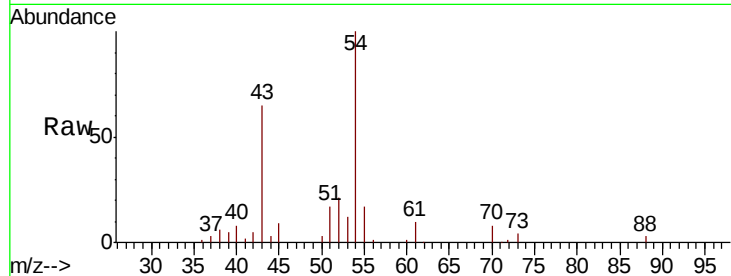




#37
Ethyl Acetate
Concen: 52.739 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

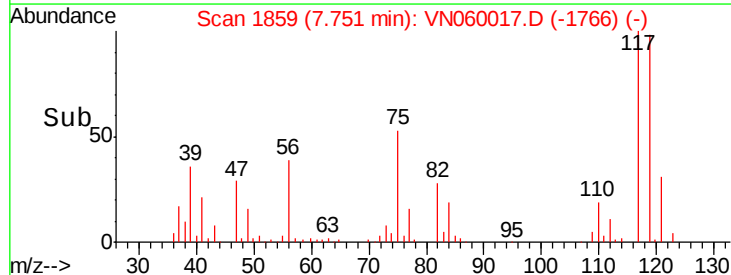
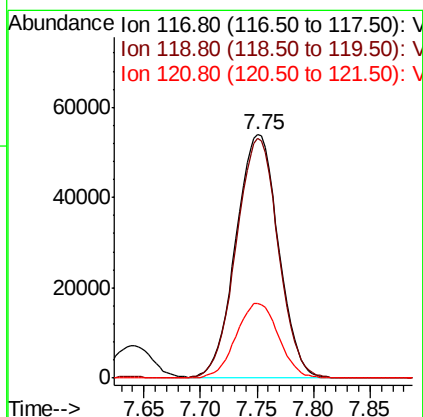
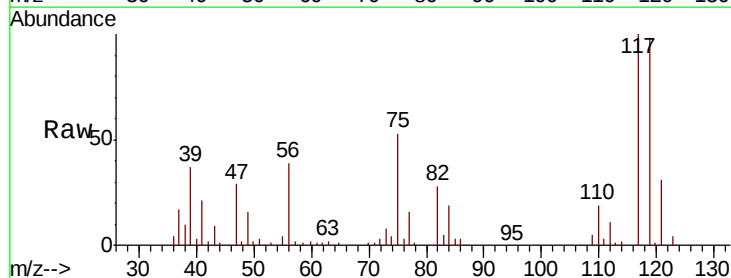
Instrument :
MSVOA_N
ClientSampled :

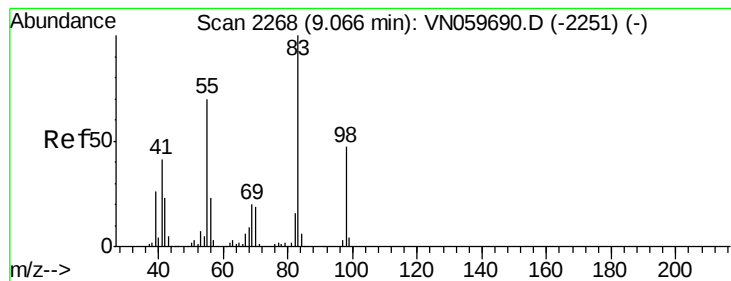
Tot Ion: 43 Resp: 122731
Ion Ratio Lower Upper
43 100
61 14.9 10.9 16.3
70 11.1 7.7 11.5



#38
Carbon Tetrachloride
Concen: 52.462 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 117 Resp: 141597
Ion Ratio Lower Upper
117 100
119 98.4 76.5 114.7
121 30.8 25.1 37.7





#39

Methvlcvclohexane

Concen: 49.392 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampled :

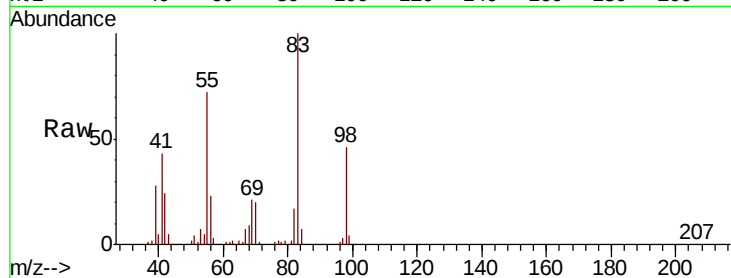
Tot Ion: 83 Resp: 151109

Ion Ratio Lower Upper

83 100

55 72.4 64.2 96.2

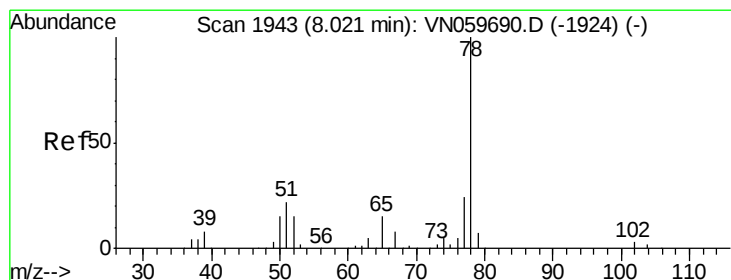
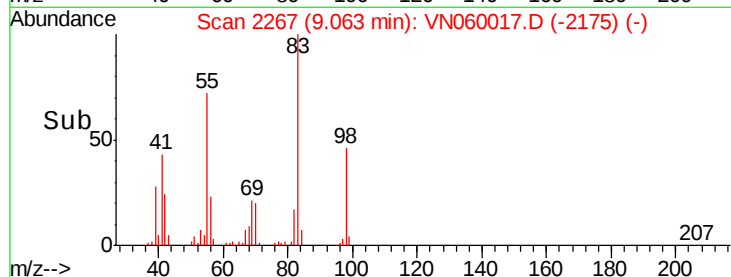
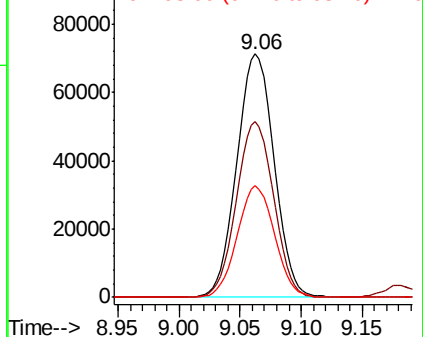
98 45.9 35.9 53.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 51.713 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060017.D

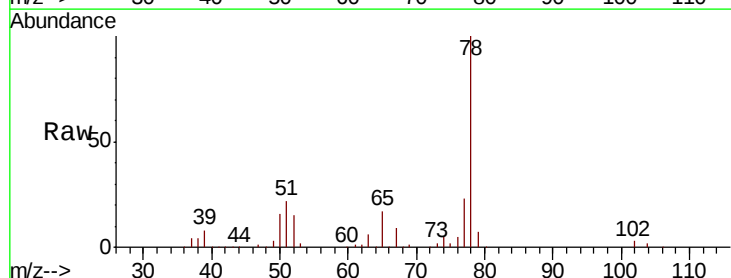
Acq: 7 Feb 2020 8:59

Tgt Ion: 78 Resp: 382665

Ion Ratio Lower Upper

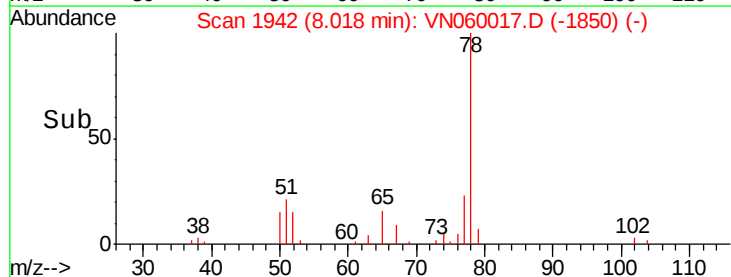
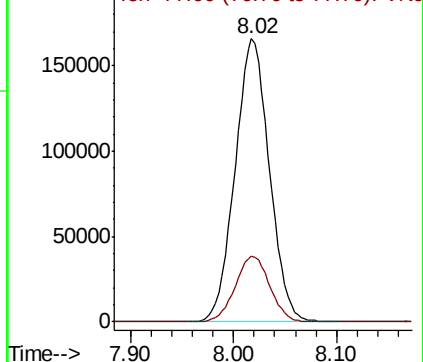
78 100

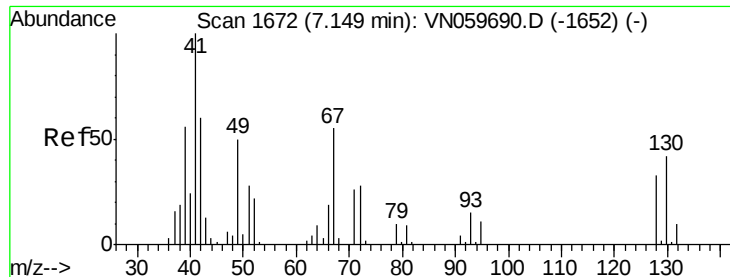
77 23.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

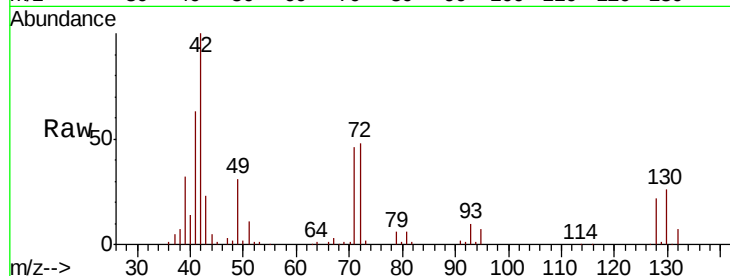




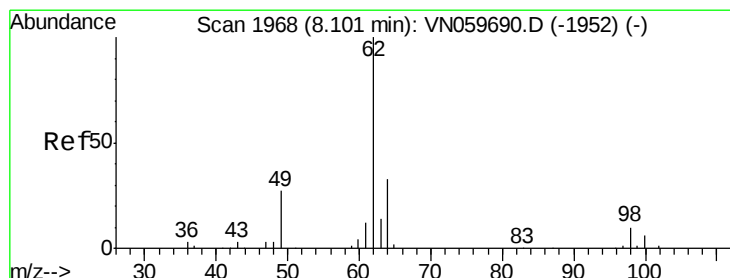
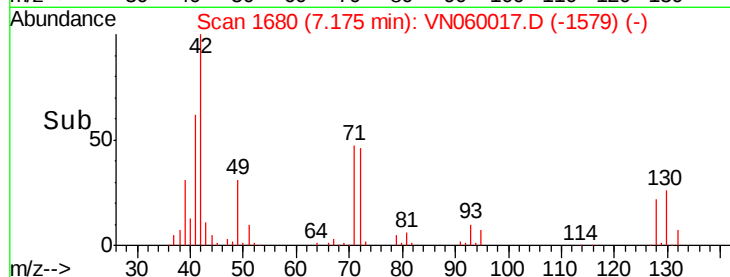
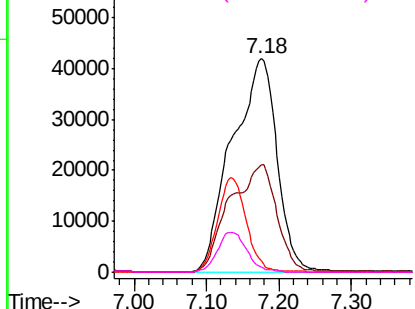
#41
Methacrylonitrile
Concen: 157.559 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	180603
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

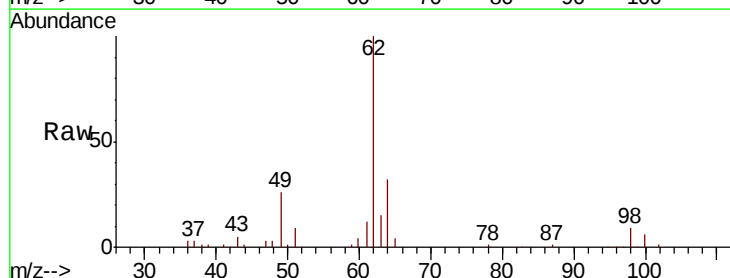


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

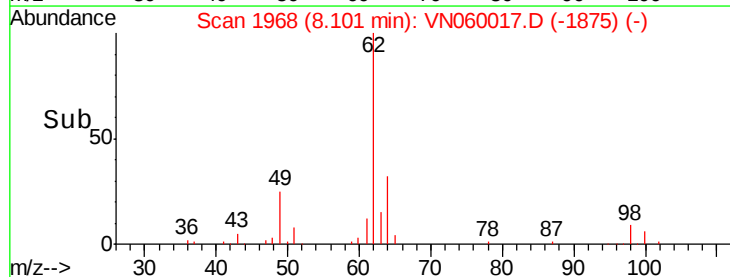
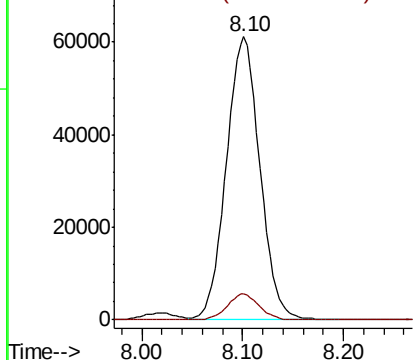


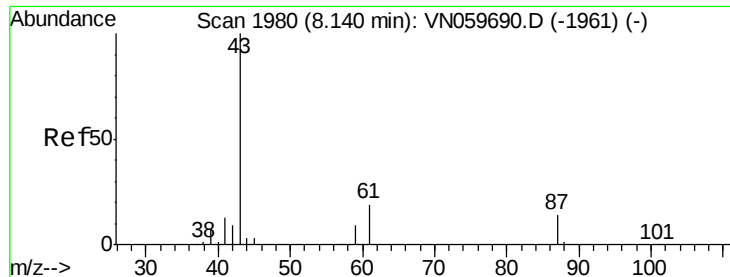
#42
1,2-Dichloroethane
Concen: 56.543 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion:	62	Resp:	141862
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 53.614 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

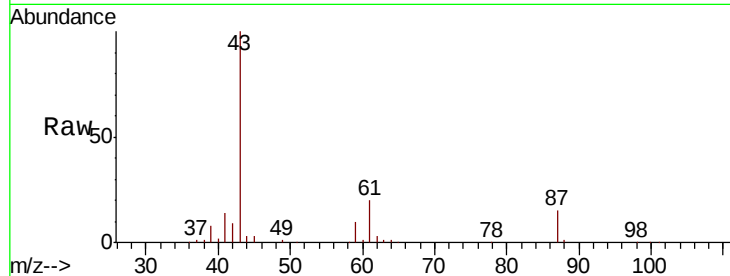
Tot Ion: 43 Resp: 214604

Ion Ratio Lower Upper

43 100

61 27.2 20.2 30.2

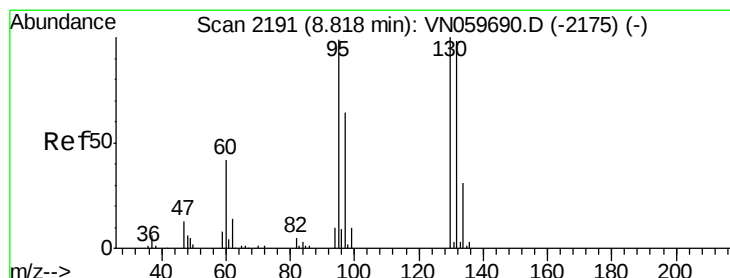
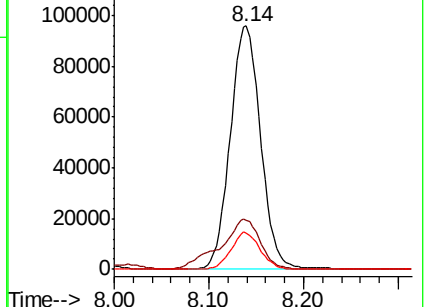
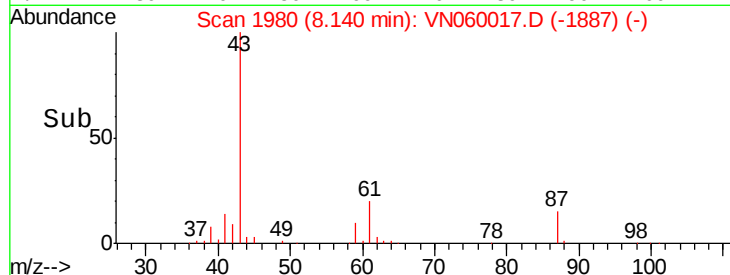
87 14.5 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060017.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060017.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060017.D (-1887) (-)



#44

Trichloroethene

Concen: 52.854 ug/l

RT: 8.82 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060017.D

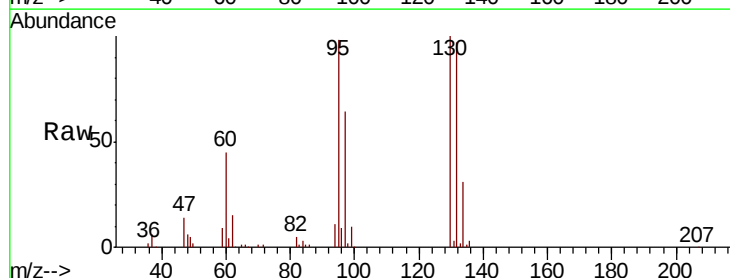
Acq: 7 Feb 2020 8:59

Tgt Ion:130 Resp: 106770

Ion Ratio Lower Upper

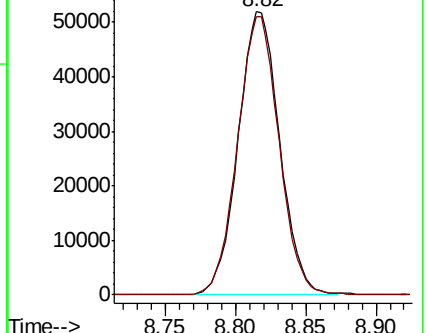
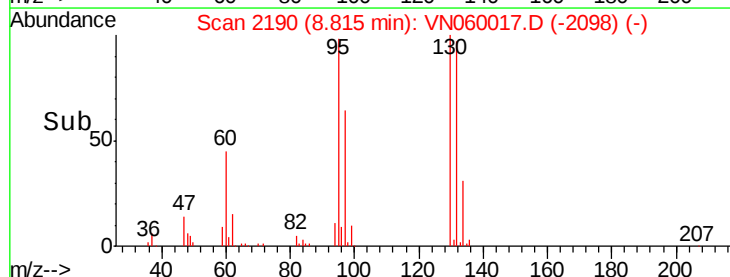
130 100

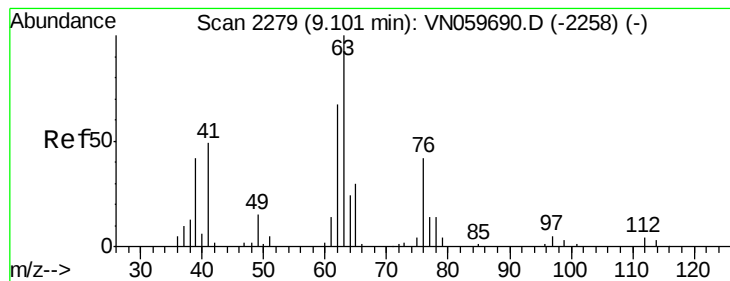
95 98.5 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN060017.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060017.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 56.001 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

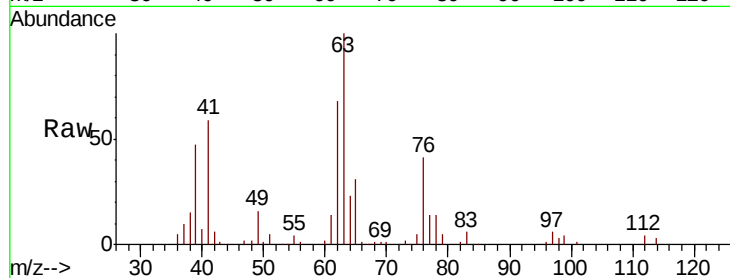
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 102544

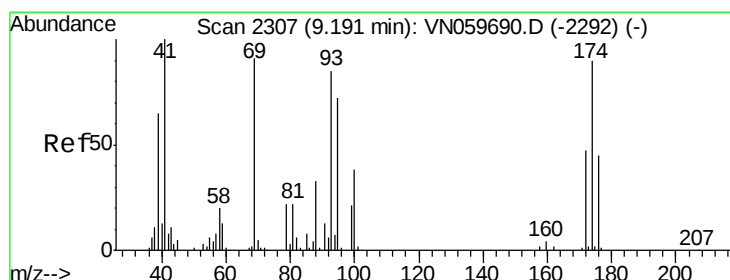
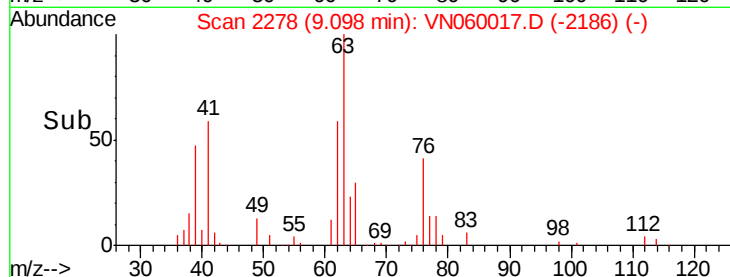
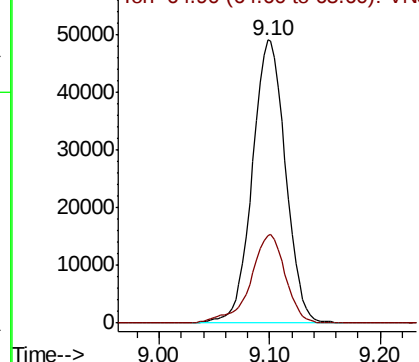
Ion Ratio Lower Upper

63 100

65 30.8 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 54.457 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

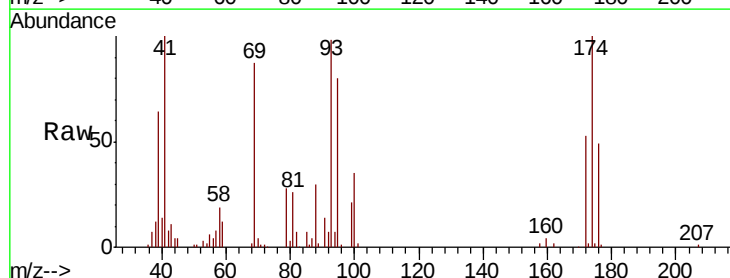
Tgt Ion: 93 Resp: 70341

Ion Ratio Lower Upper

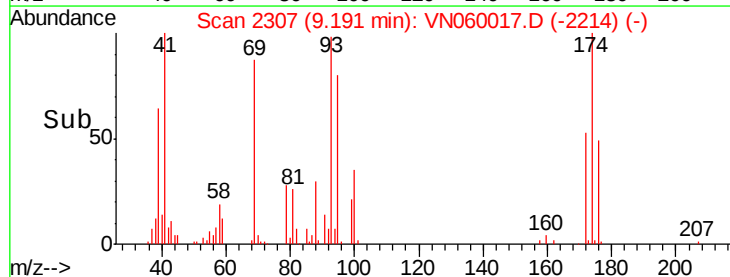
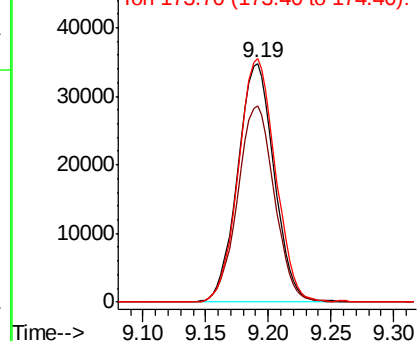
93 100

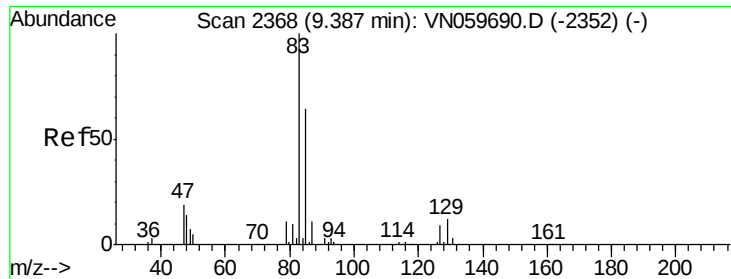
95 82.7 67.0 100.6

174 103.3 73.4 110.2



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

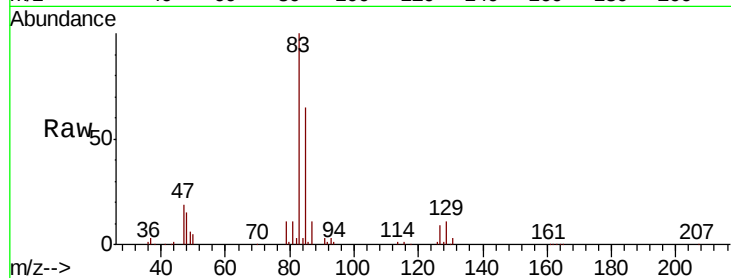




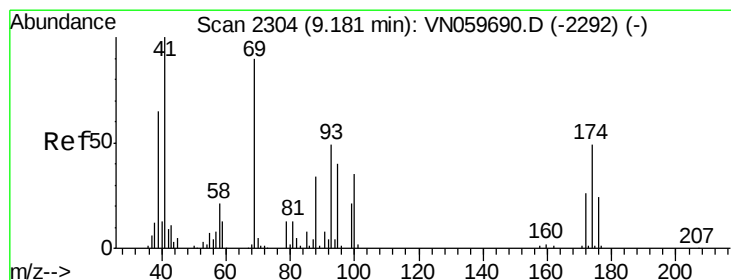
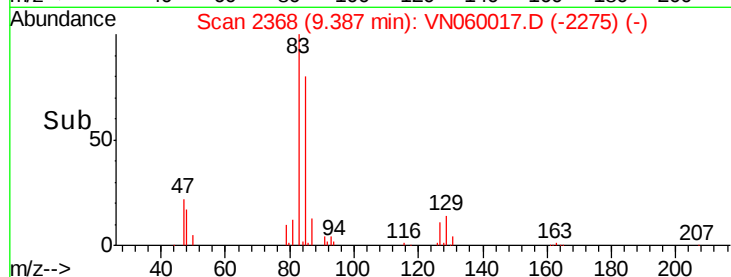
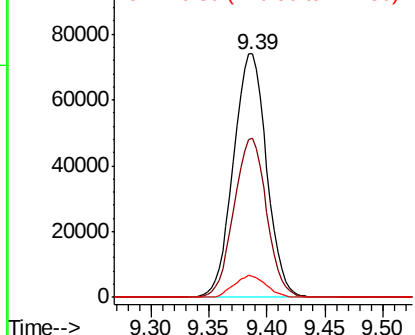
#47
Bromodichloromethane
Concen: 56.532 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 147150
Ion Ratio Lower Upper
83 100
85 65.5 51.1 76.7
127 8.7 6.6 9.8

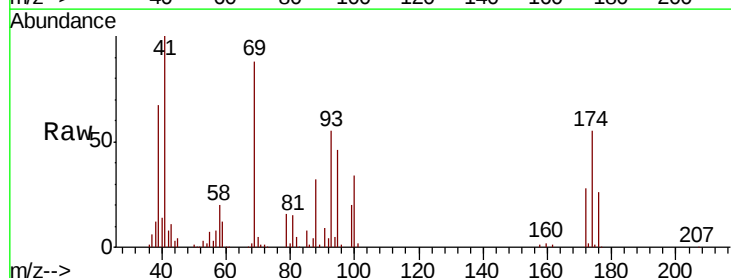


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

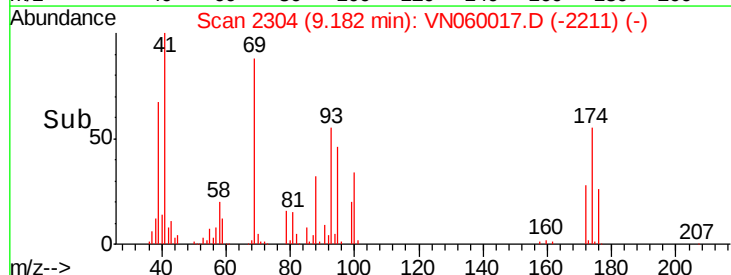
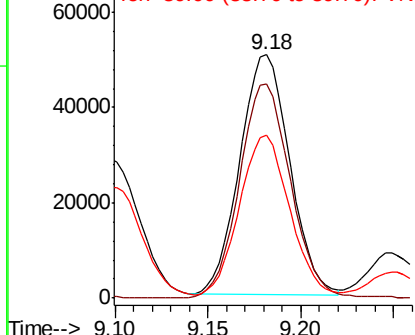


#48
Methyl methacrylate
Concen: 52.817 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 41 Resp: 94566
Ion Ratio Lower Upper
41 100
69 91.3 64.4 96.6
39 66.6 51.3 76.9



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

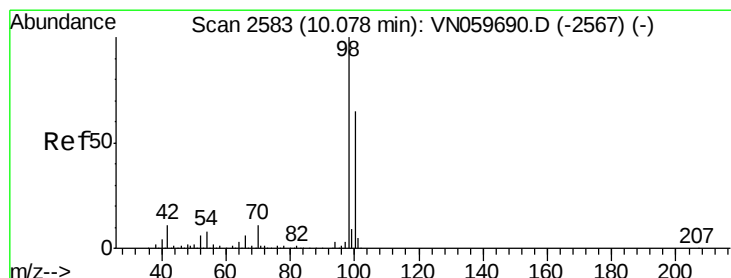
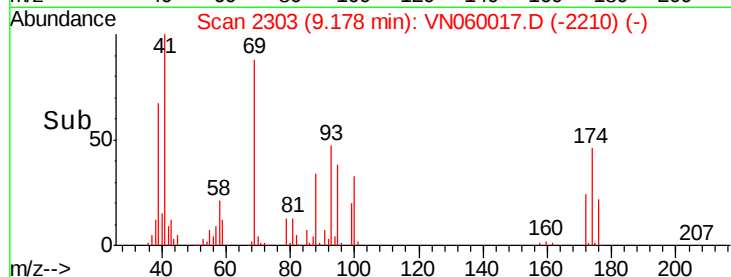
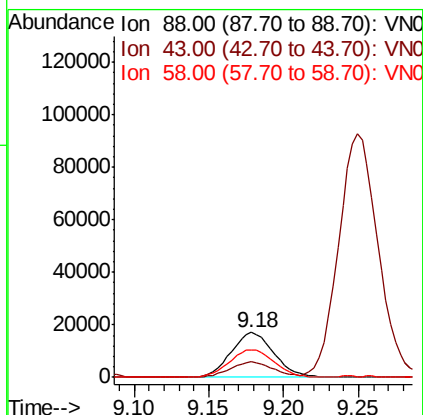
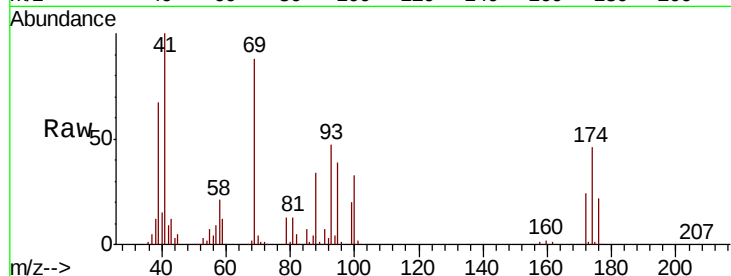




#49
1,4-Dioxane
Concen: 1046.114 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

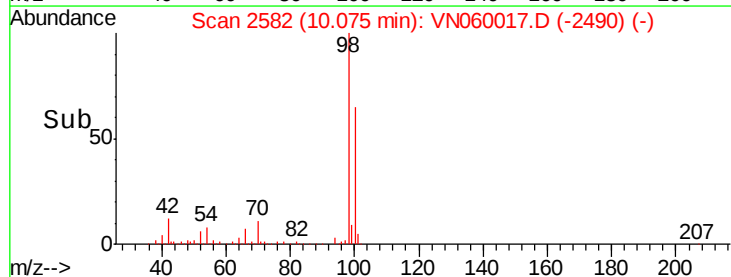
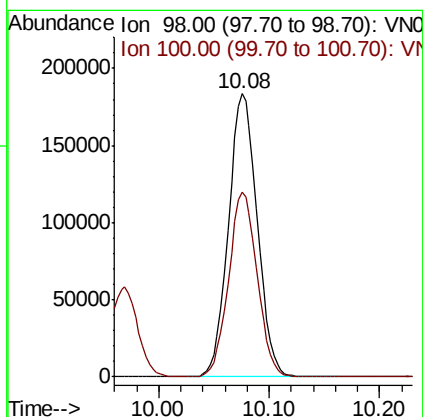
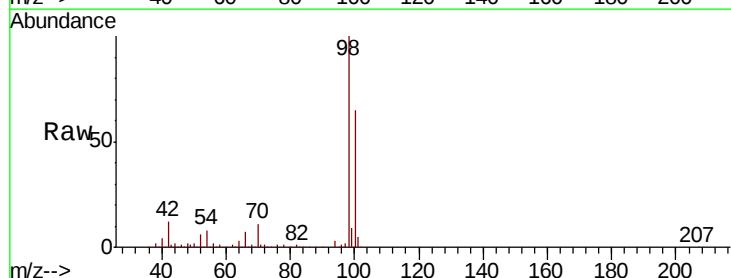
Instrument :
MSVOA_N
ClientSampleId :

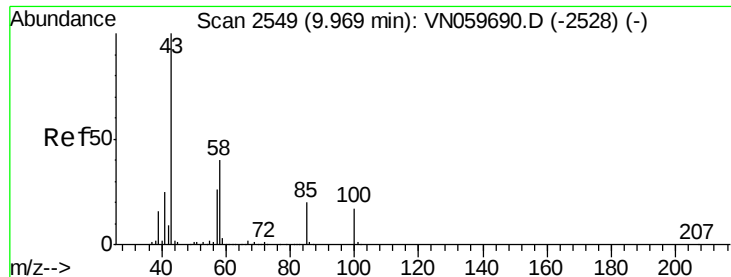
Tot Ion: 88 Resp: 34288
Ion Ratio Lower Upper
88 100
43 34.5 29.7 44.5
58 64.0 56.6 85.0



#50
Toluene-d8
Concen: 50.370 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 98 Resp: 331600
Ion Ratio Lower Upper
98 100
100 65.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 279.584 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

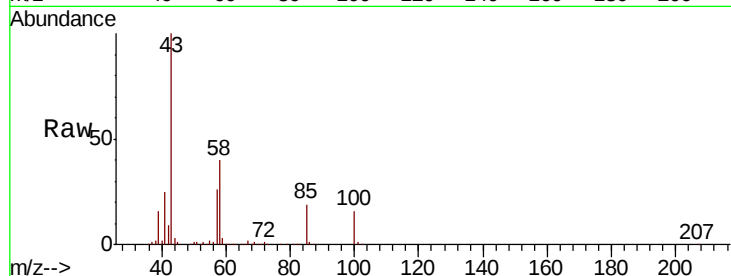
ClientSampled :

Tot Ion: 43 Resp: 646928

Ion Ratio Lower Upper

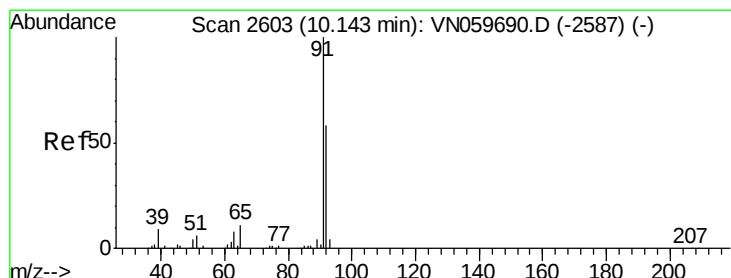
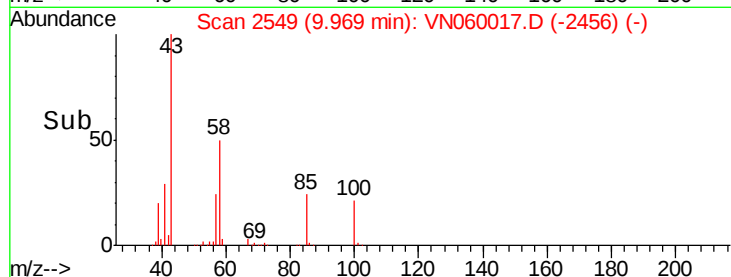
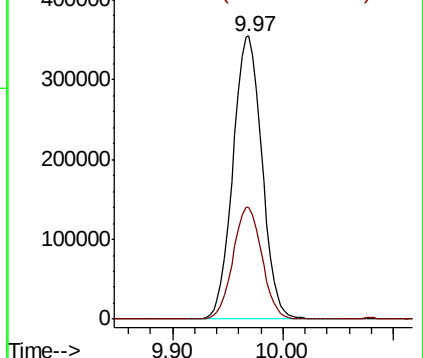
43 100

58 39.6 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.612 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060017.D

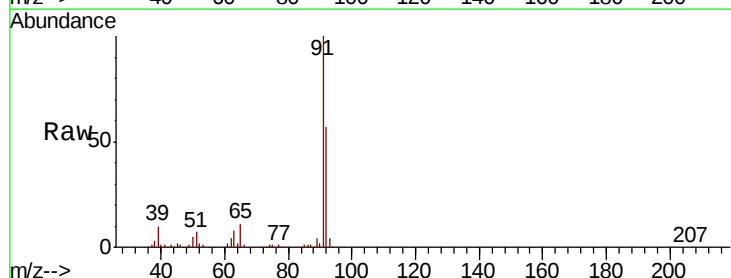
Acq: 7 Feb 2020 8:59

Tgt Ion: 92 Resp: 250588

Ion Ratio Lower Upper

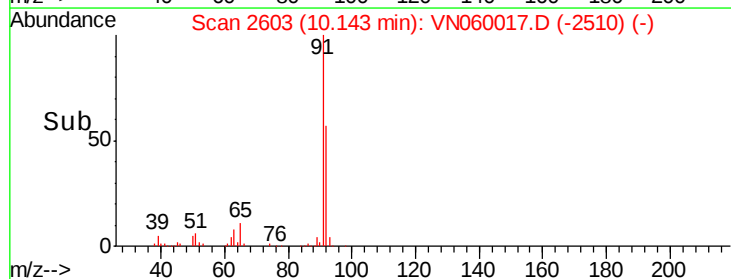
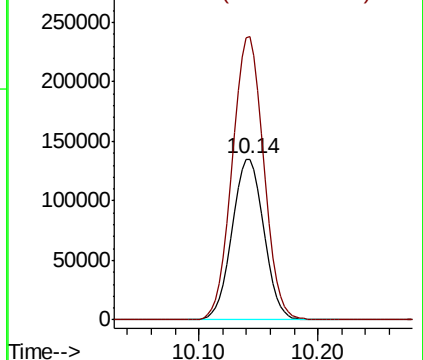
92 100

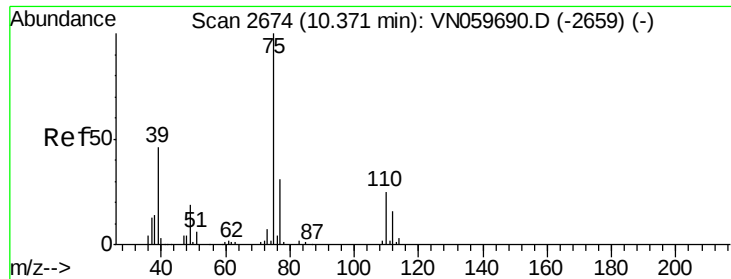
91 174.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 57.196 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

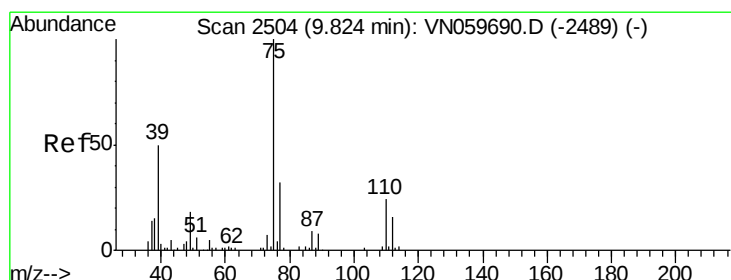
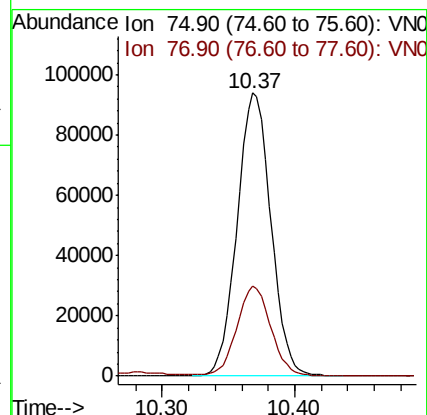
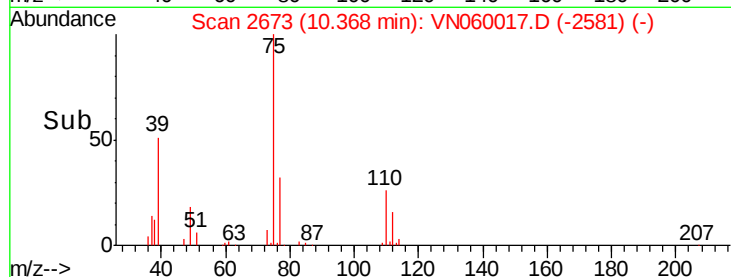
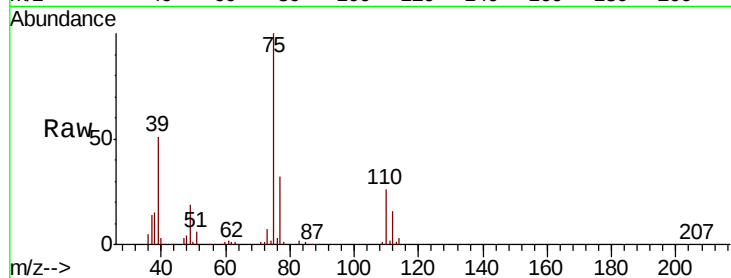
ClientSampled :

Tot Ion: 75 Resp: 166234

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 56.250 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

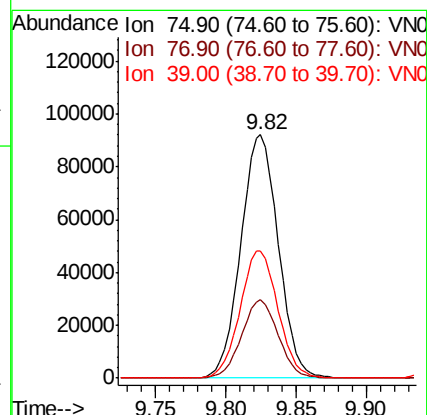
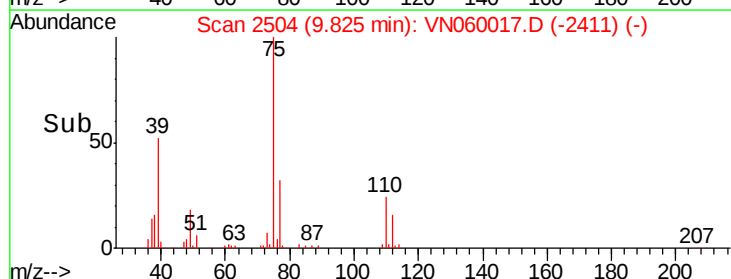
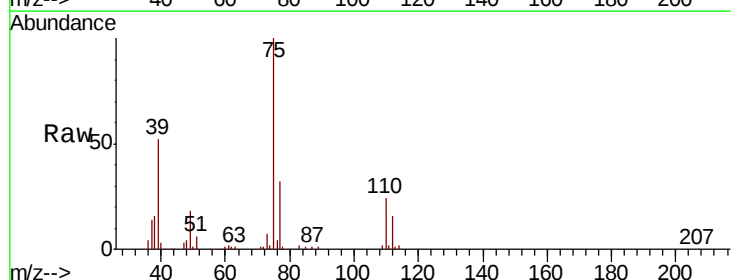
Tgt Ion: 75 Resp: 172017

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

39 52.3 46.1 69.1

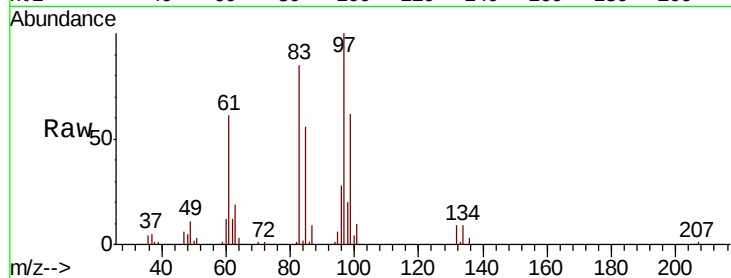




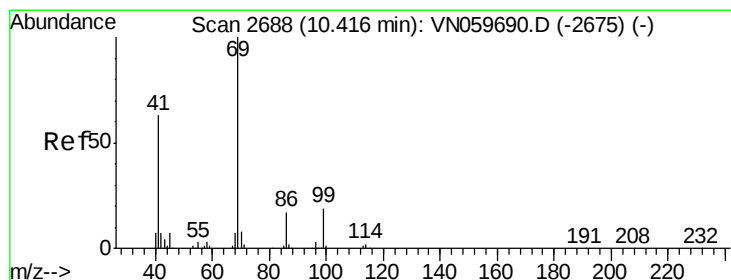
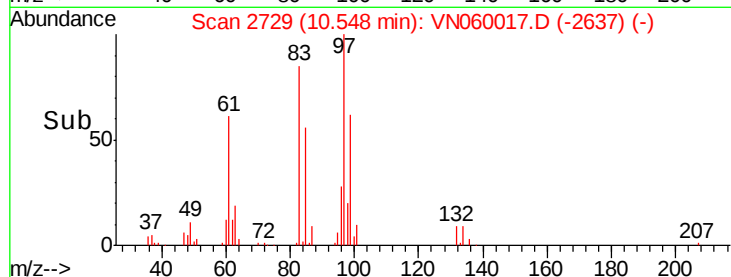
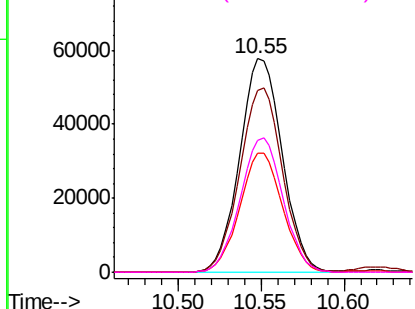
#55
 1,1,2-Trichloroethane
 Concen: 55.914 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	103508
Ion	Ratio	Lower	Upper
97	100		
83	85.1	71.3	106.9
85	55.5	45.8	68.8
99	62.0	50.0	75.0

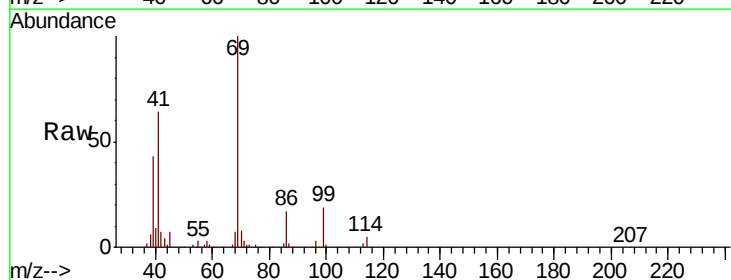


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

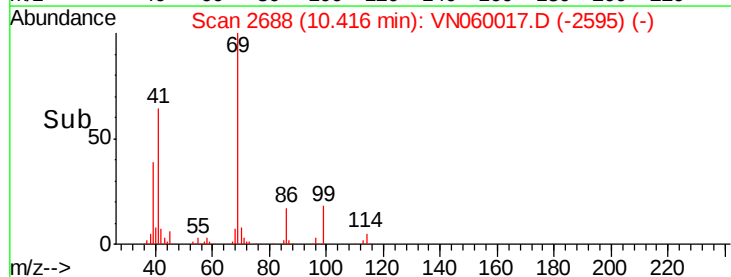
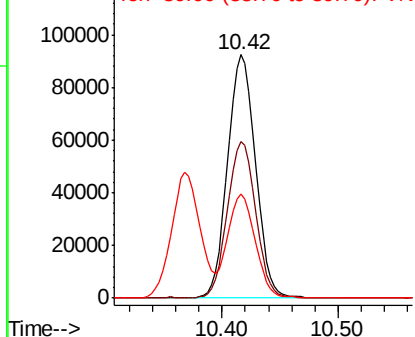


#56
 Ethyl methacrylate
 Concen: 54.262 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion:	69	Resp:	153490
Ion	Ratio	Lower	Upper
69	100		
41	64.5	57.1	85.7
39	42.2	34.7	52.1



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





#57

1,3-Dichloropropane

Concen: 56.964 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

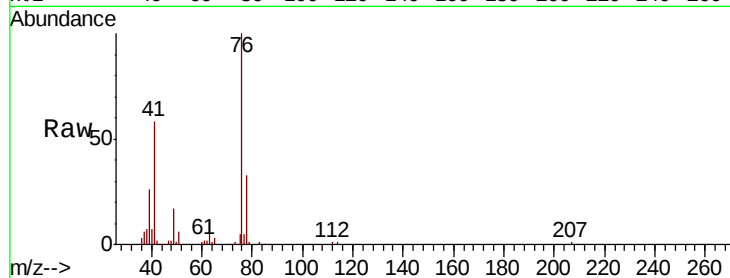
ClientSampleId :

Tot Ion: 76 Resp: 167417

Ion Ratio Lower Upper

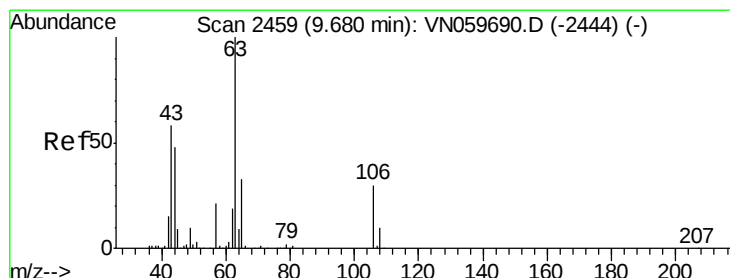
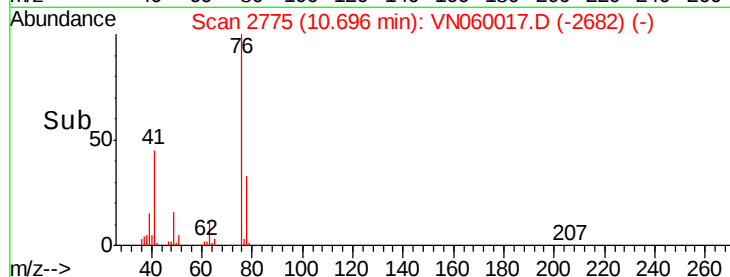
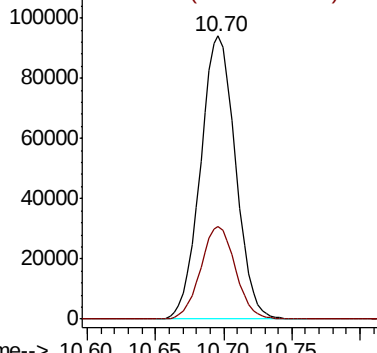
76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 309.586 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060017.D

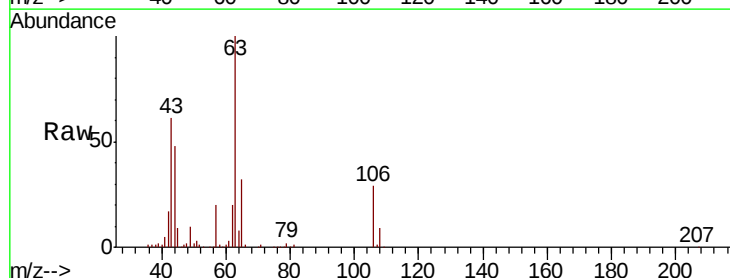
Acq: 7 Feb 2020 8:59

Tgt Ion: 63 Resp: 263767

Ion Ratio Lower Upper

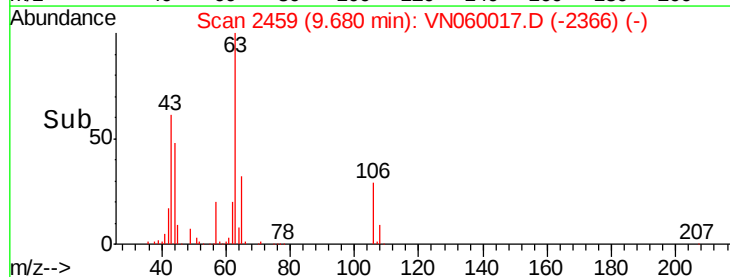
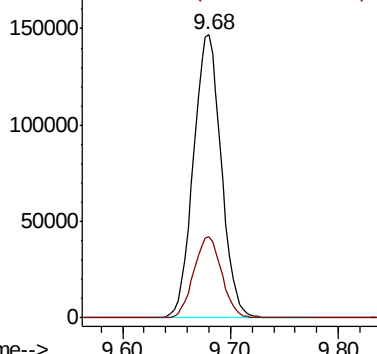
63 100

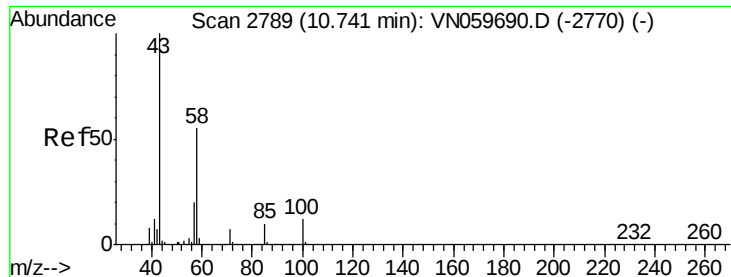
106 28.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

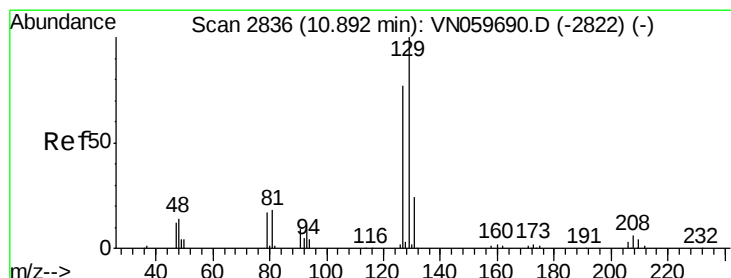
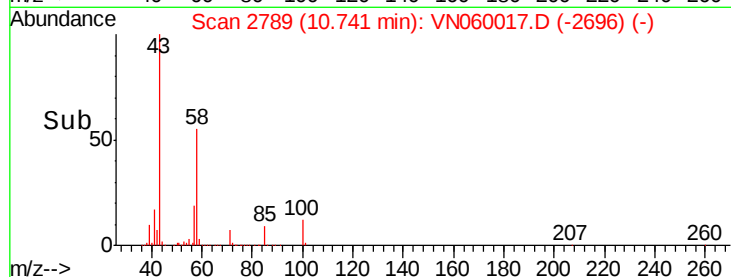
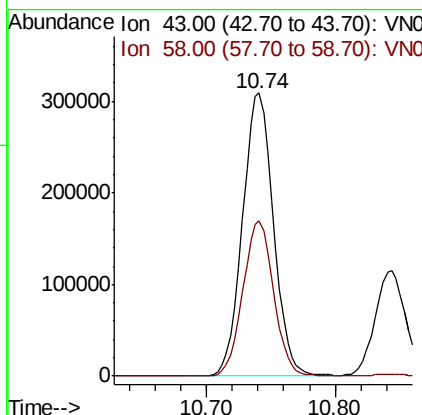
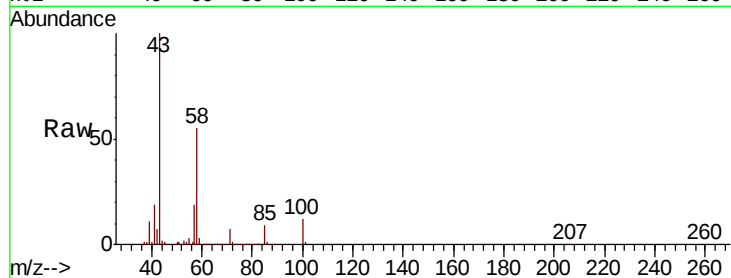




#59
2-Hexanone
Concen: 302.727 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

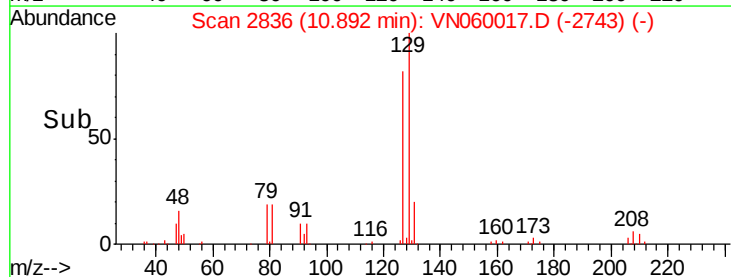
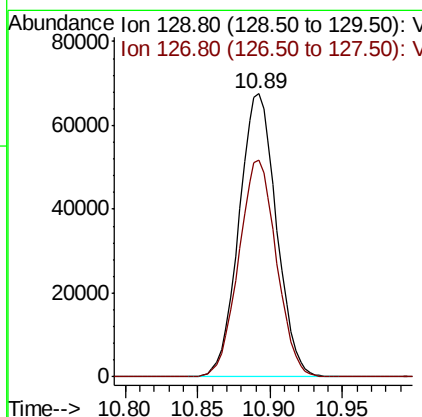
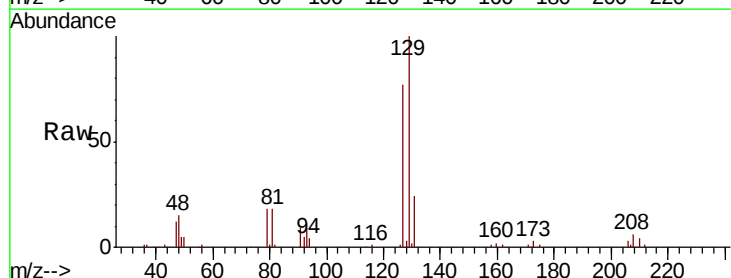
Instrument :
MSVOA_N
ClientSampleId :

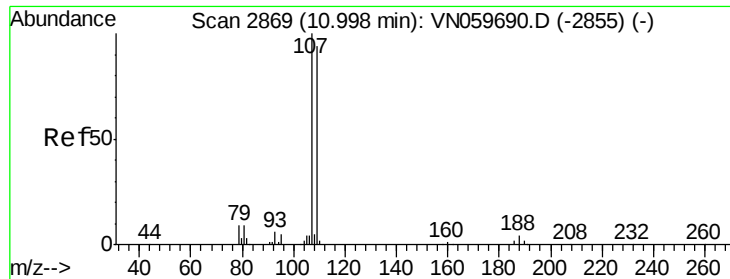
Tot Ion: 43 Resp: 516045
Ion Ratio Lower Upper
43 100
58 54.6 25.8 77.3



#60
Dibromochloromethane
Concen: 57.516 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 129 Resp: 121248
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5

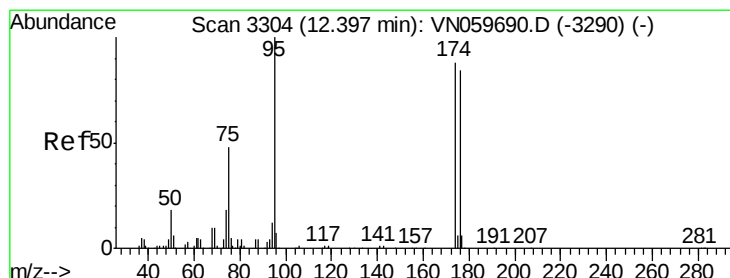
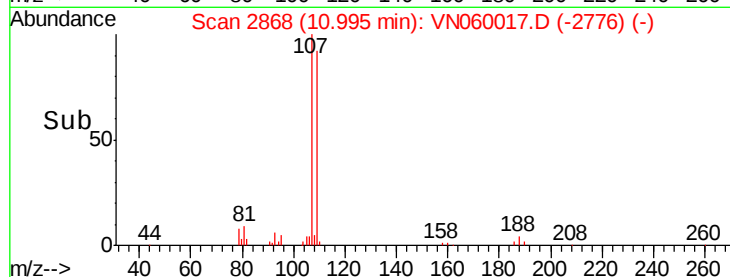
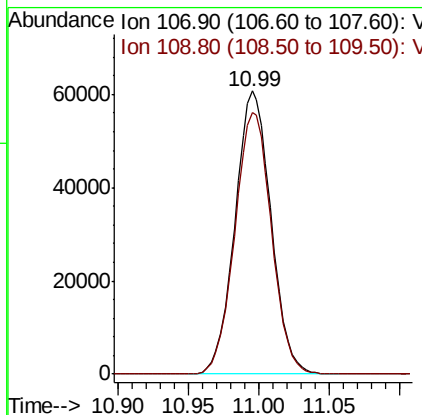
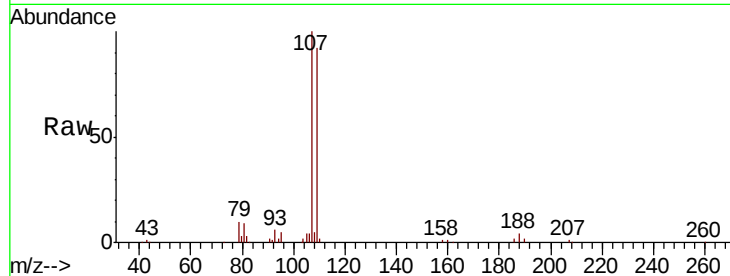




#61
 1,2-Dibromoethane
 Concen: 55.908 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

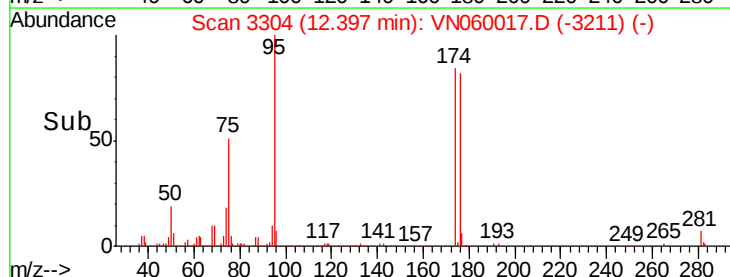
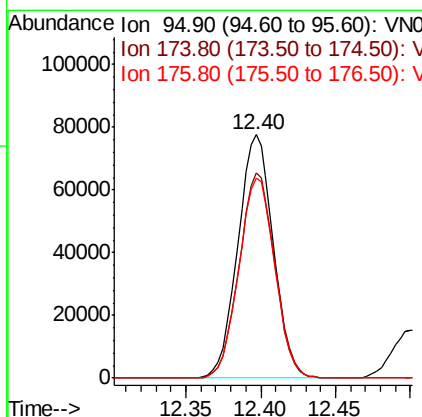
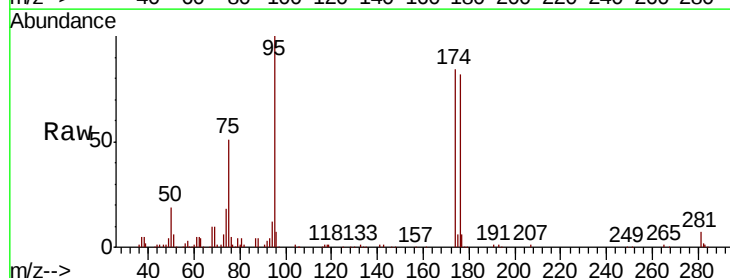
Instrument :
 MSVOA_N
 ClientSampleId :

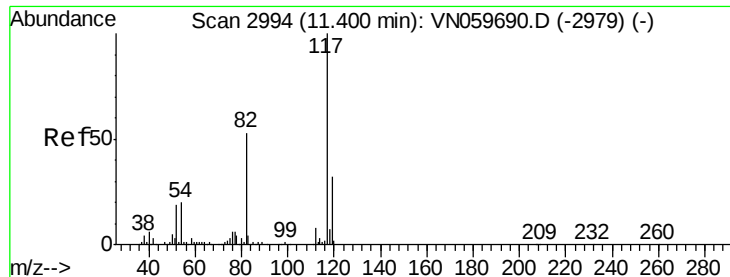
Tot Ion:107 Resp: 108477
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 53.787 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion: 95 Resp: 127649
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 151.4
 176 83.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

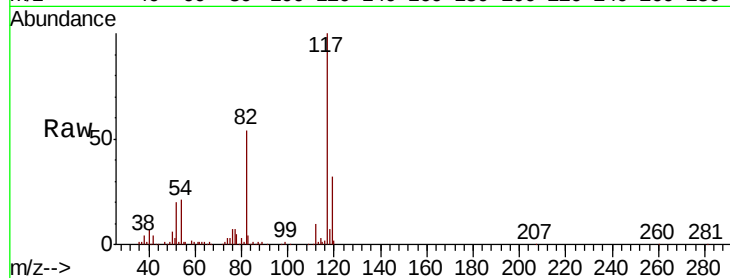
Tot Ion:117 Resp: 267720

Ion Ratio Lower Upper

117 100

82 53.7 45.9 68.9

119 32.3 25.5 38.3

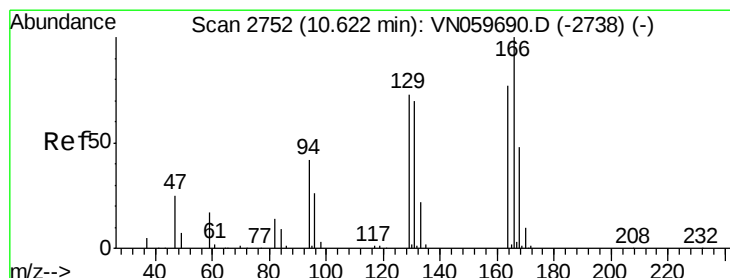
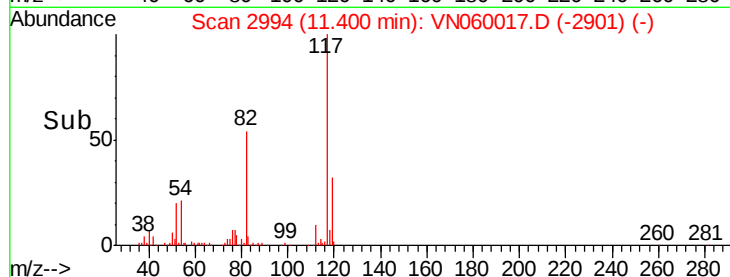
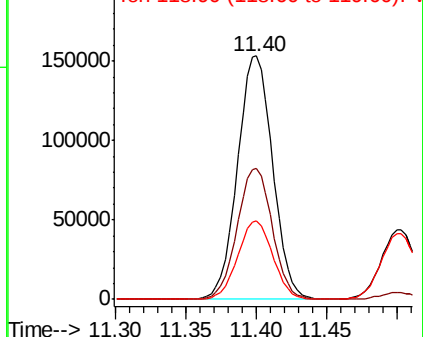


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 48.741 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:164 Resp: 106351

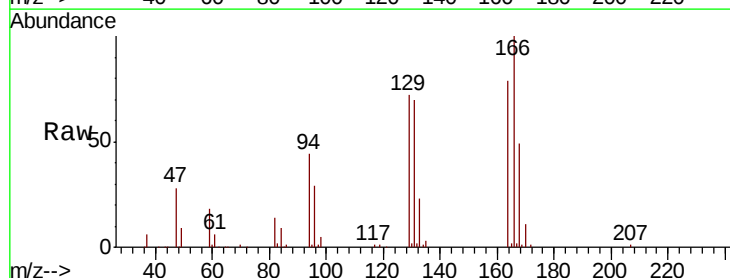
Ion Ratio Lower Upper

164 100

166 125.9 101.4 152.0

129 90.9 80.2 120.4

131 88.4 75.0 112.4



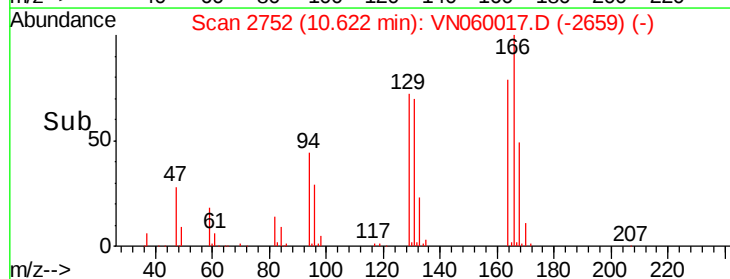
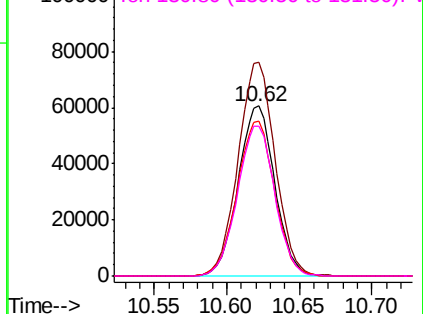
Abundance

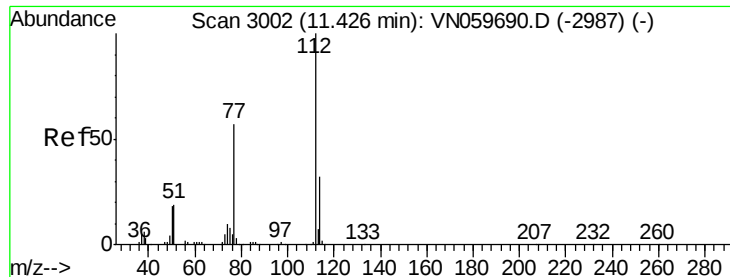
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

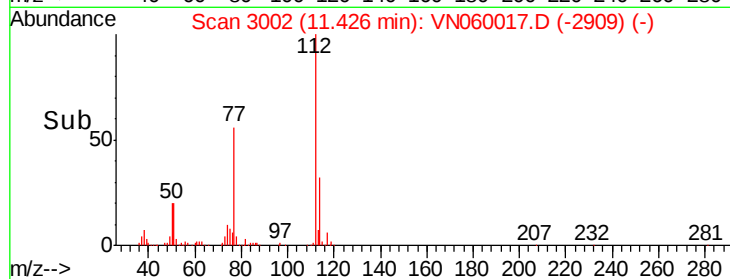
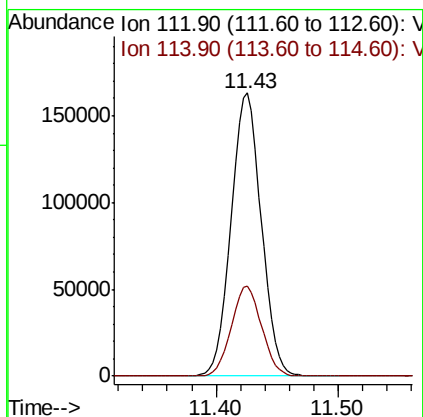
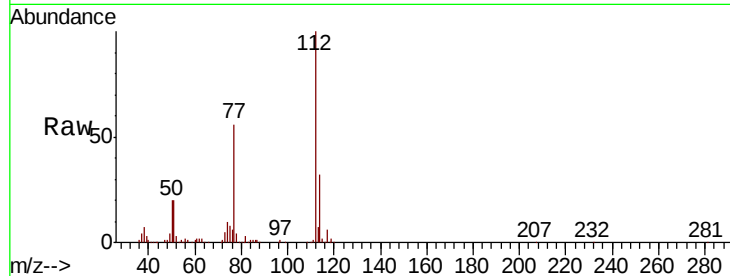




#65
Chlorobenzene
Concen: 53.322 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

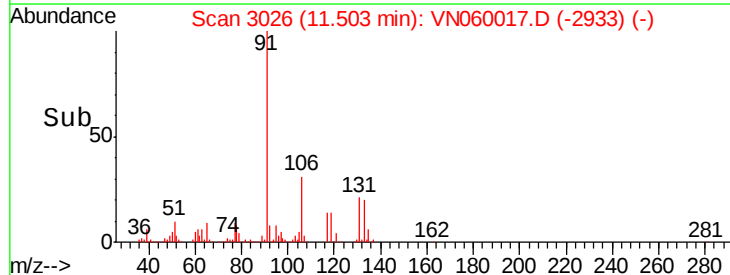
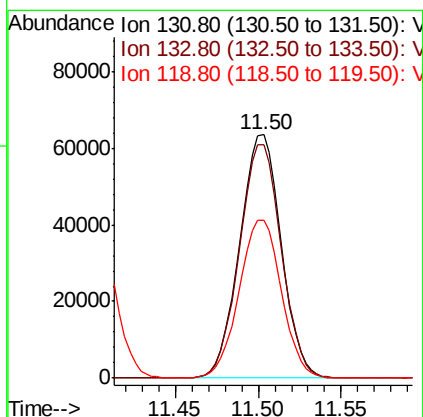
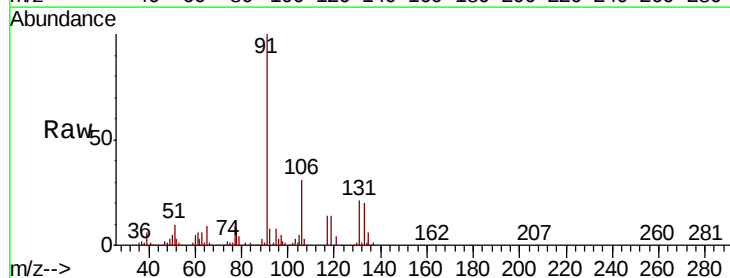
Instrument :
MSVOA_N
ClientSampleId :

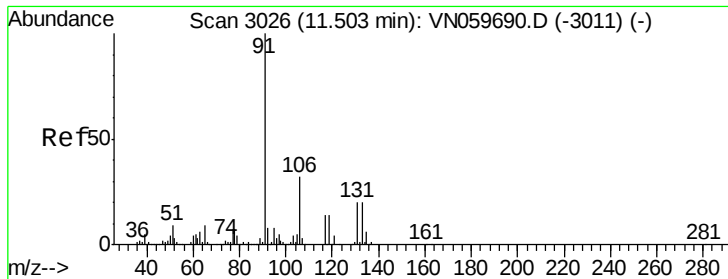
Tot Ion:112 Resp: 280589
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.440 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion:131 Resp: 110692
Ion Ratio Lower Upper
131 100
133 97.0 47.4 142.2
119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 52.712 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

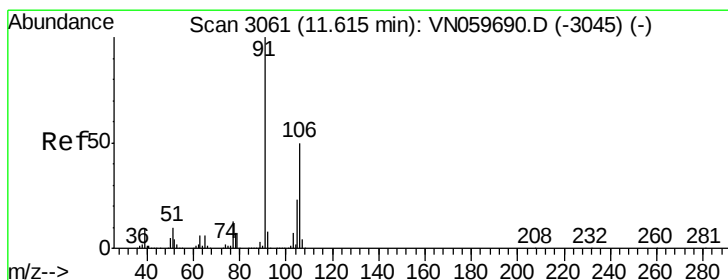
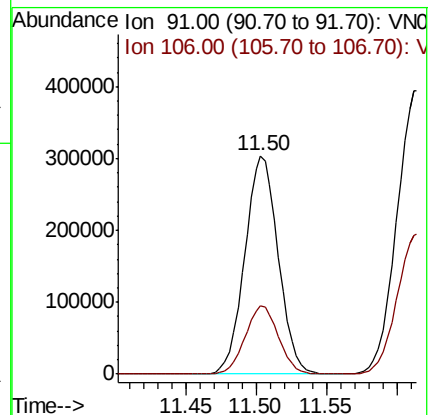
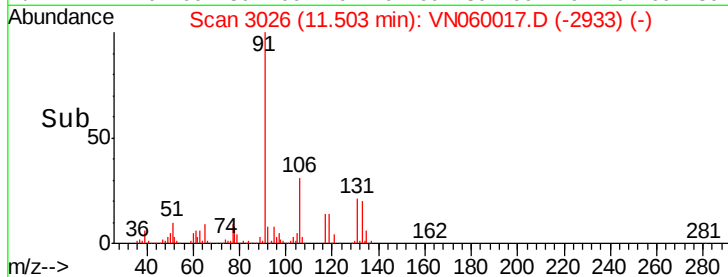
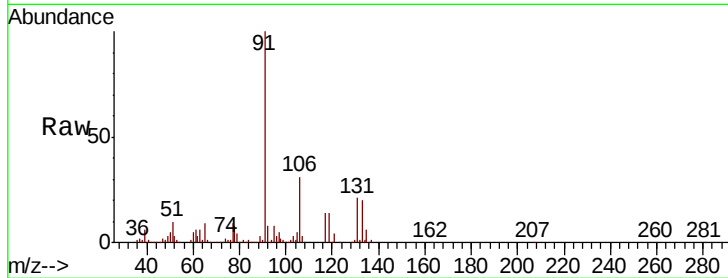
ClientSampled :

Tot Ion: 91 Resp: 503528

Ion Ratio Lower Upper

91 100

106 31.0 24.1 36.1



#68

m/p-Xylenes

Concen: 104.726 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060017.D

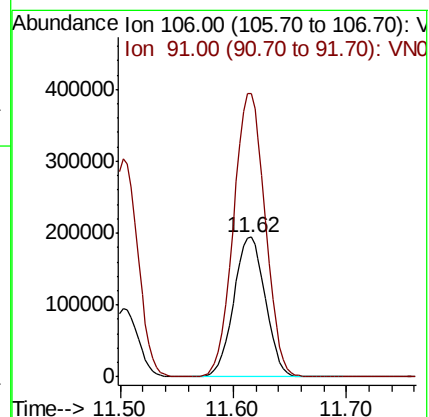
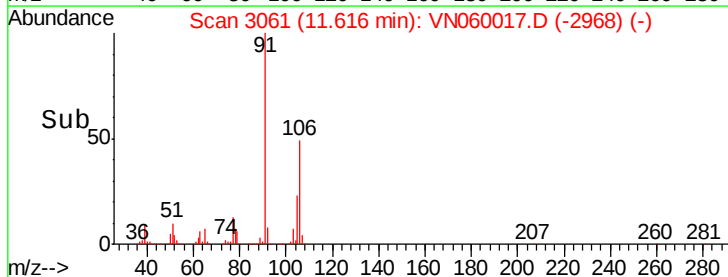
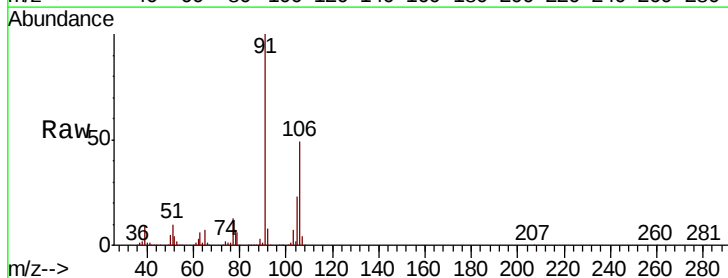
Acq: 7 Feb 2020 8:59

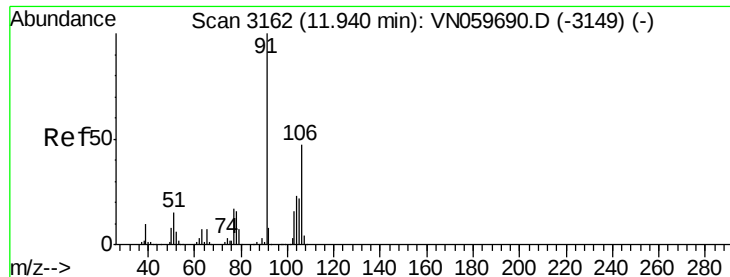
Tgt Ion: 106 Resp: 377890

Ion Ratio Lower Upper

106 100

91 203.4 167.9 251.9

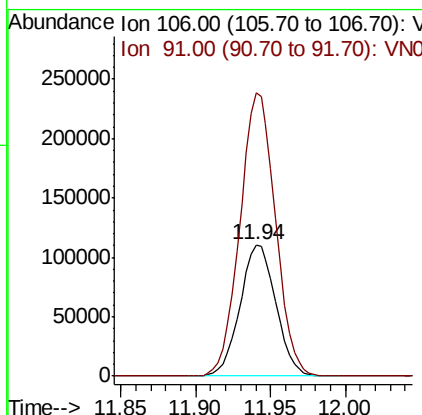
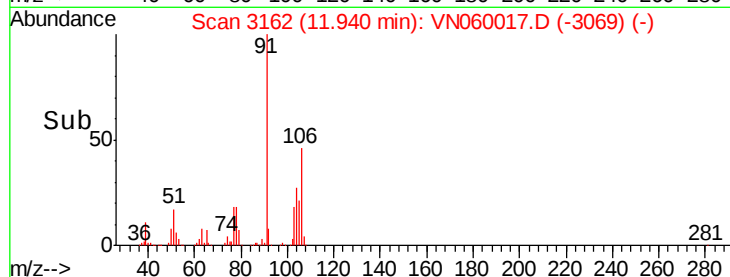
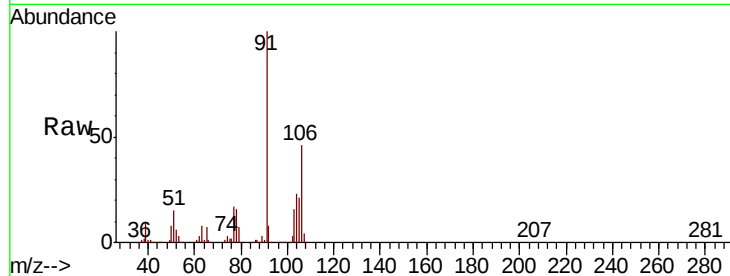




#69
o-Xylene
Concen: 52.133 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

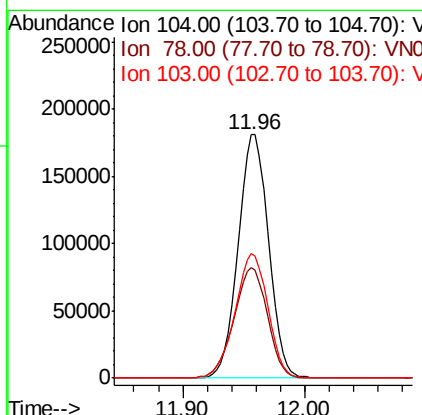
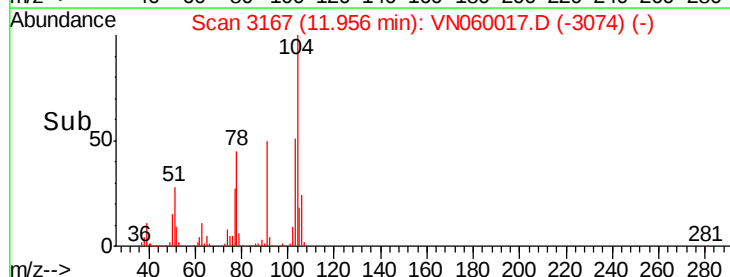
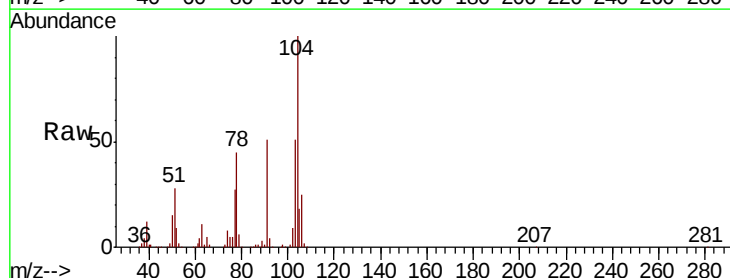
Instrument :
MSVOA_N
ClientSampled :

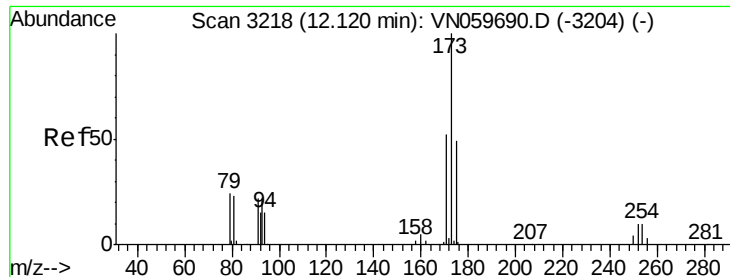
Tot Ion:106 Resp: 184164
Ion Ratio Lower Upper
106 100
91 213.9 110.3 330.9



#70
Styrene
Concen: 52.694 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion:104 Resp: 311487
Ion Ratio Lower Upper
104 100
78 50.0 42.4 63.6
103 55.3 43.9 65.9





#71

Bromoform

Concen: 56.491 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

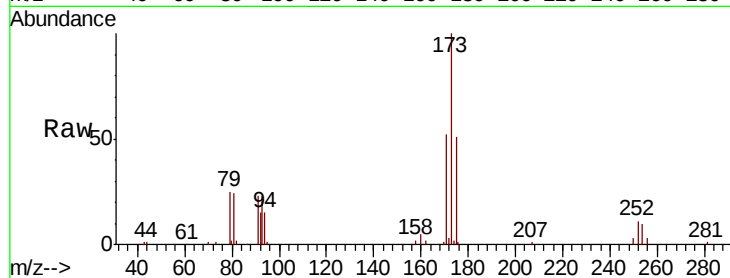
Tot Ion:173 Resp: 92007

Ion Ratio Lower Upper

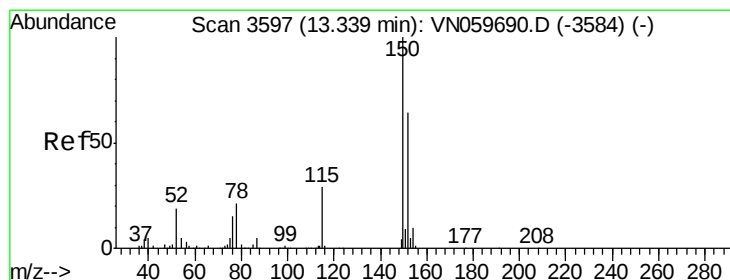
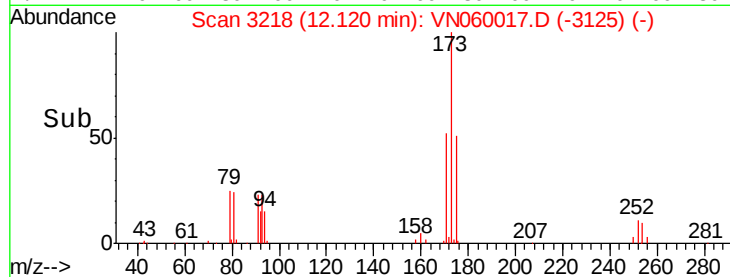
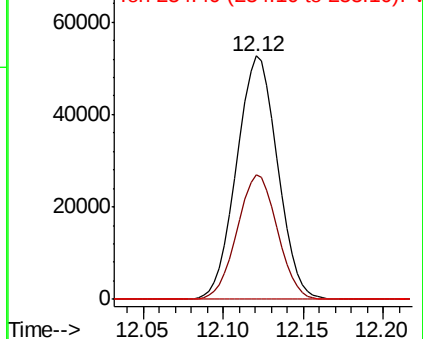
173 100

175 50.3 23.8 71.4

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: VN060017.D

Acq: 7 Feb 2020 8:59

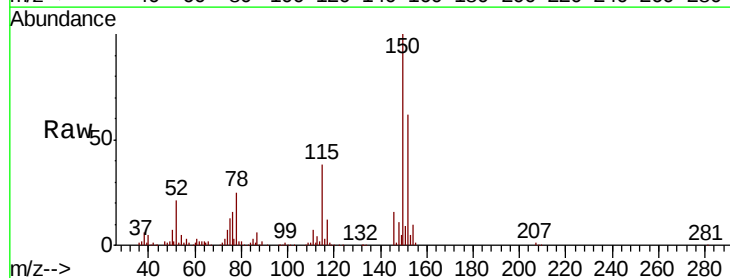
Tgt Ion:152 Resp: 134318

Ion Ratio Lower Upper

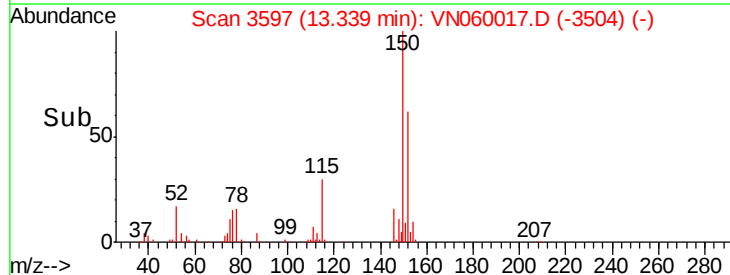
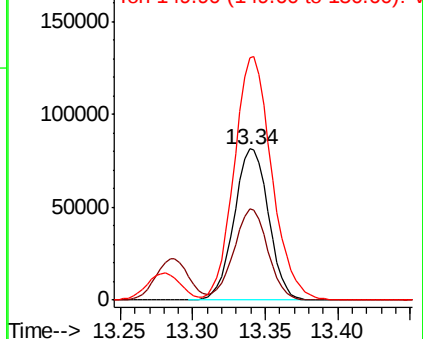
152 100

115 59.7 30.3 90.9

150 175.7 0.0 345.2



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: 51.829 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

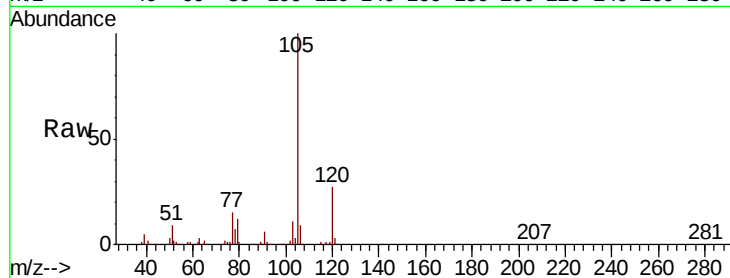
ClientSampleId :

Tot Ion:105 Resp: 510552

Ion Ratio Lower Upper

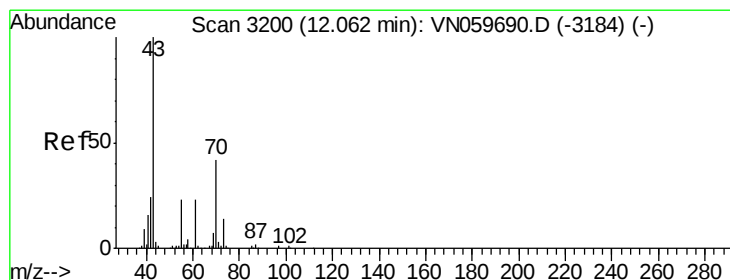
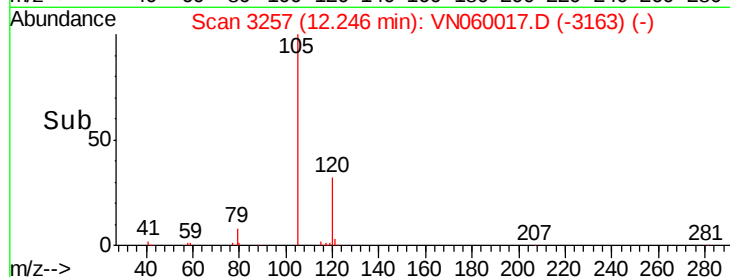
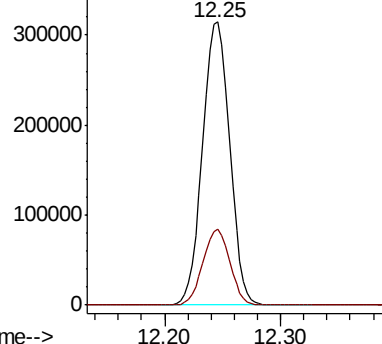
105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.041 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion: 43 Resp: 195099

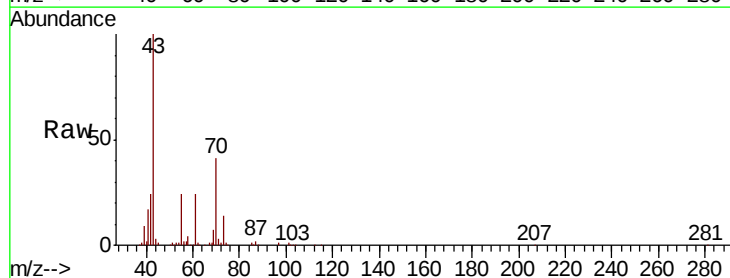
Ion Ratio Lower Upper

43 100

70 42.2 31.3 46.9

55 23.9 19.8 29.6

61 24.9 18.3 27.5

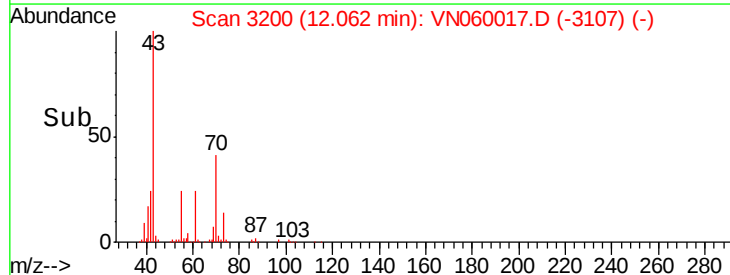
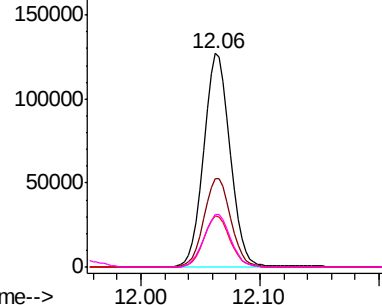


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.461 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

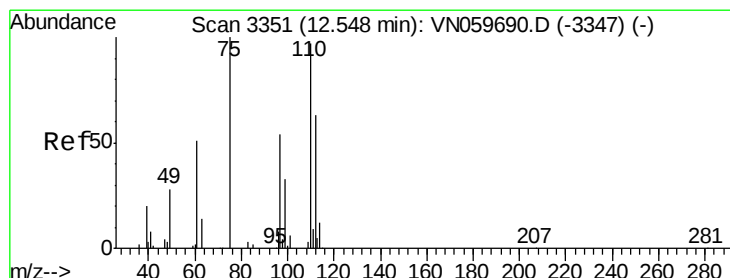
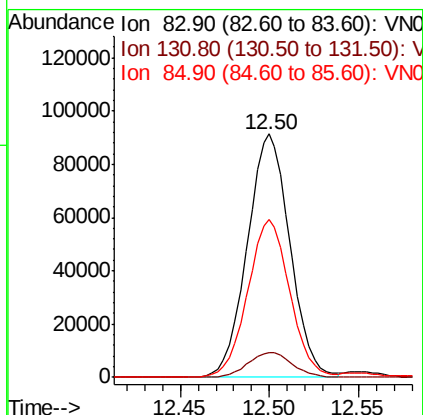
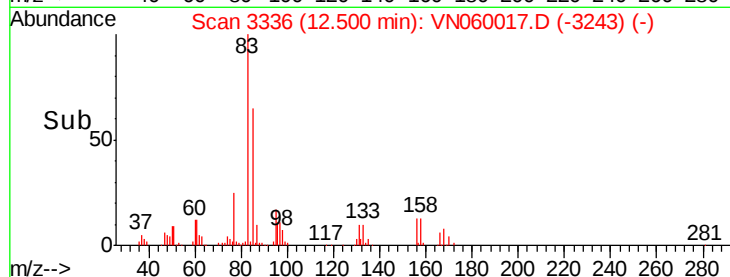
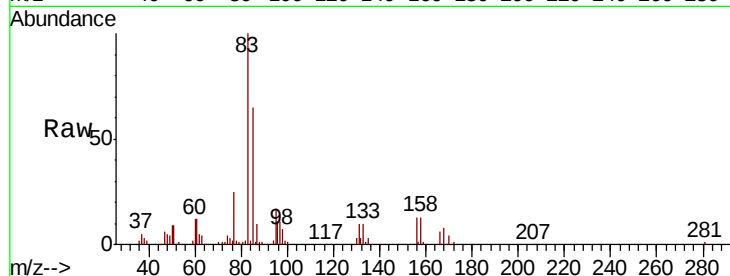
Tot Ion: 83 Resp: 152671

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

85 64.1 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 91.204 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060017.D

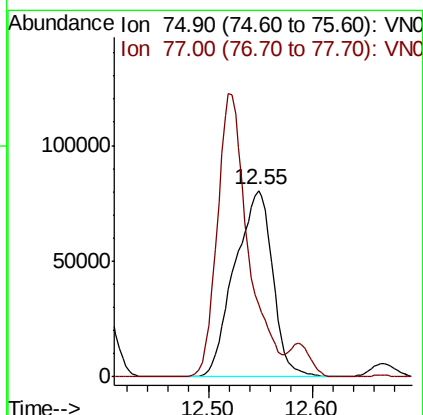
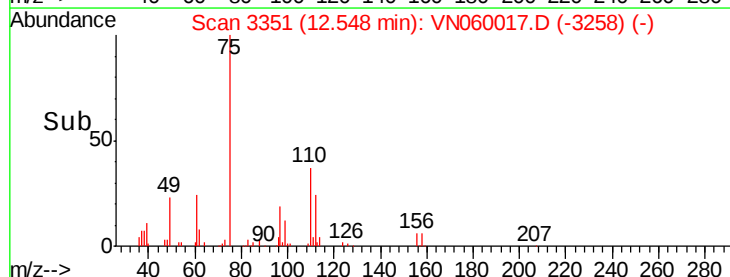
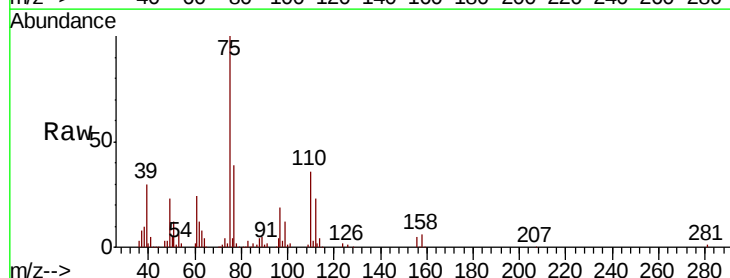
Acq: 7 Feb 2020 8:59

Tgt Ion: 75 Resp: 206160

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.628 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

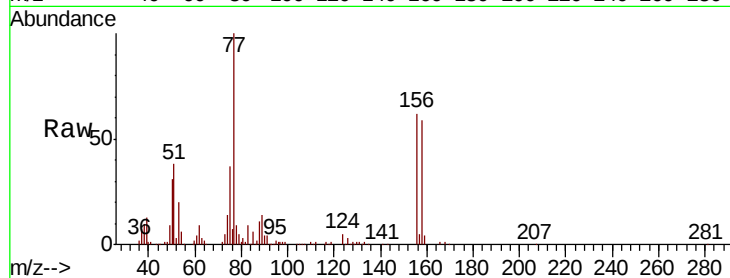
Tot Ion:156 Resp: 128792

Ion Ratio Lower Upper

156 100

77 197.4 115.8 347.4

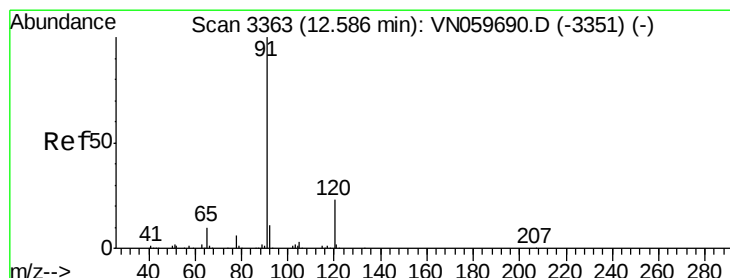
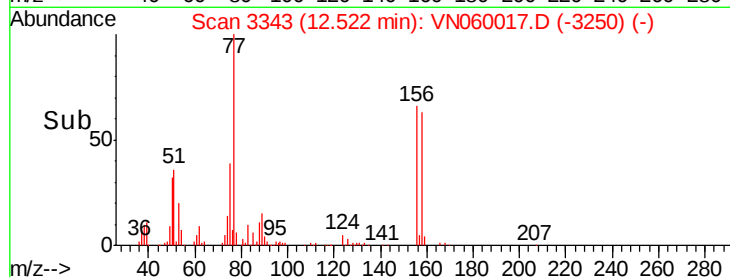
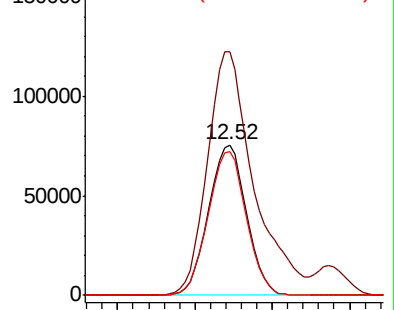
158 96.2 49.2 147.6



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: 52.846 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060017.D

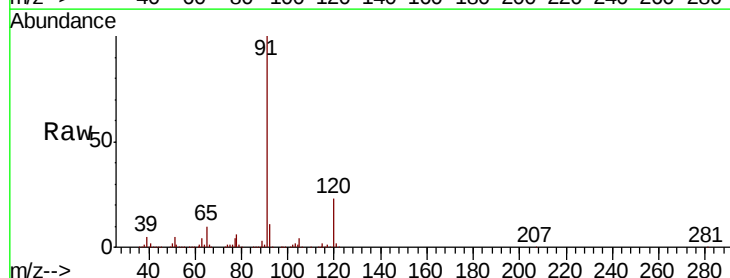
Acq: 7 Feb 2020 8:59

Tgt Ion: 91 Resp: 584293

Ion Ratio Lower Upper

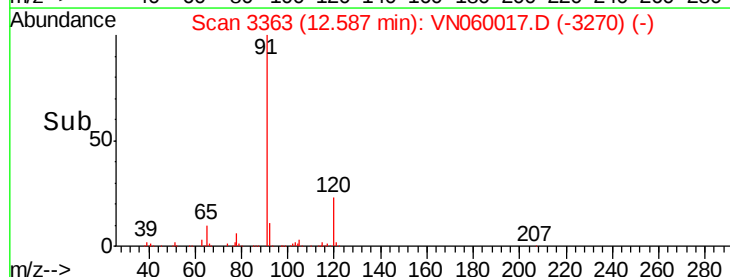
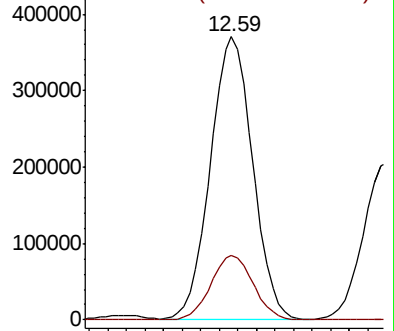
91 100

120 23.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.744 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

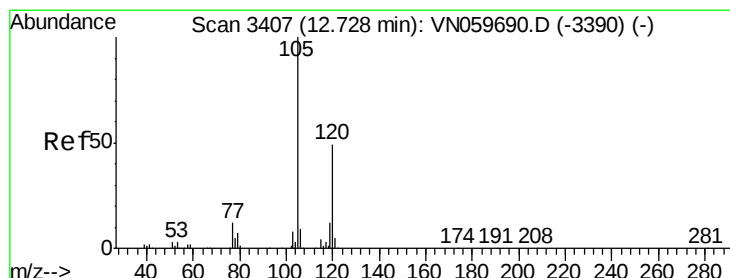
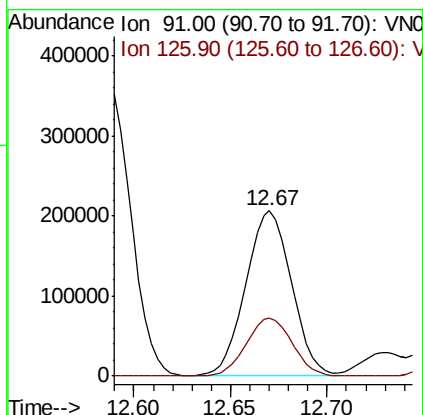
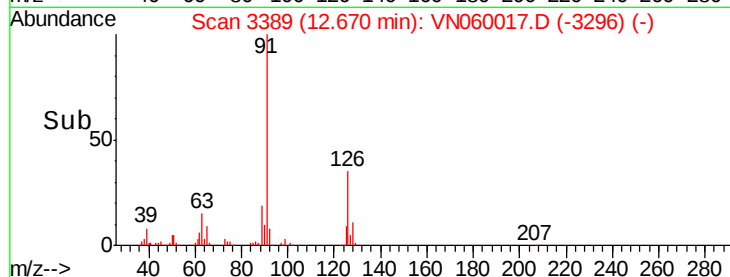
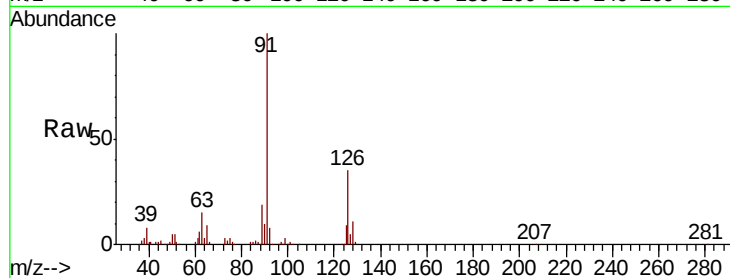
ClientSampled :

Tot Ion: 91 Resp: 340349

Ion Ratio Lower Upper

91 100

126 35.6 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 51.879 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060017.D

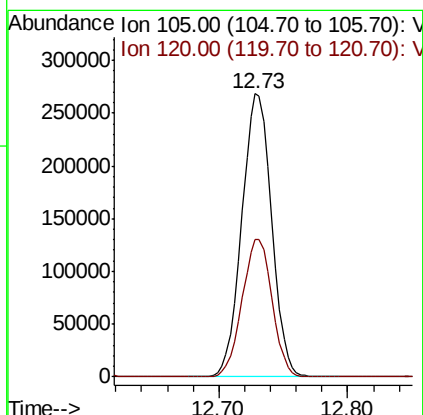
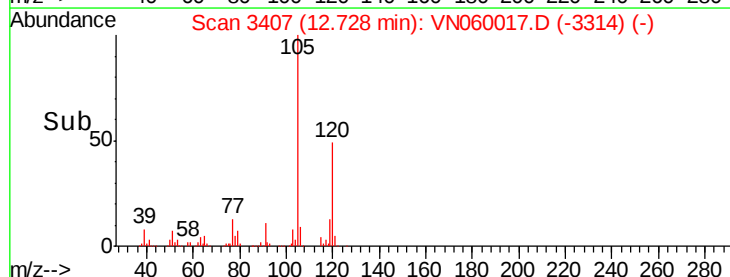
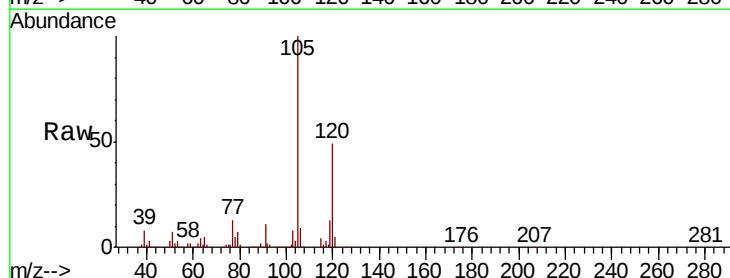
Acq: 7 Feb 2020 8:59

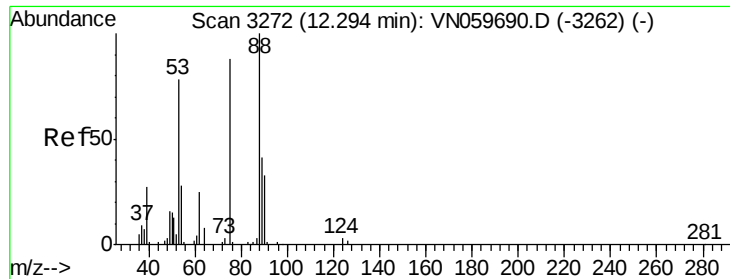
Tgt Ion: 105 Resp: 429791

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.479 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

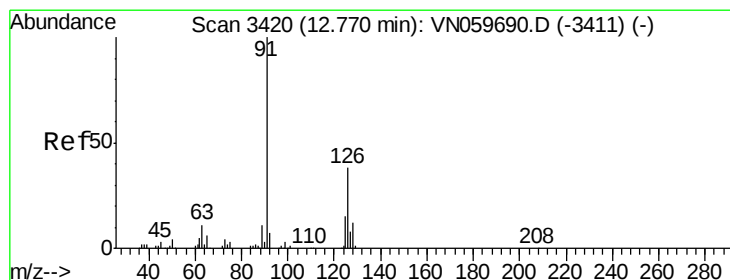
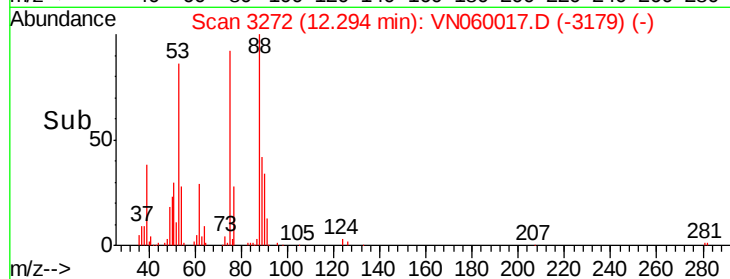
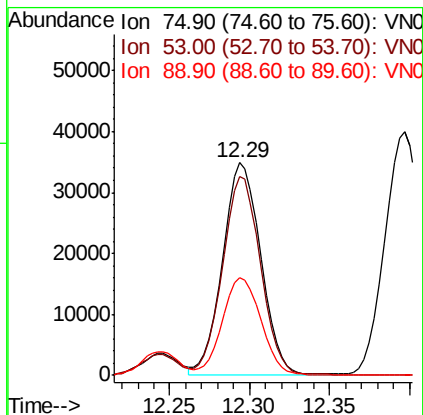
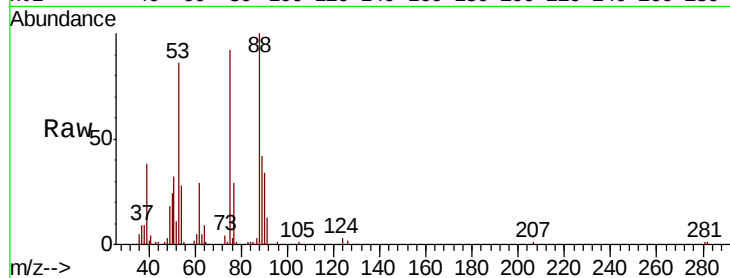
Tot Ion: 75 Resp: 57344

Ion Ratio Lower Upper

75 100

53 92.9 78.1 117.1

89 46.0 35.4 53.2



#82

4-Chlorotoluene

Concen: 53.724 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060017.D

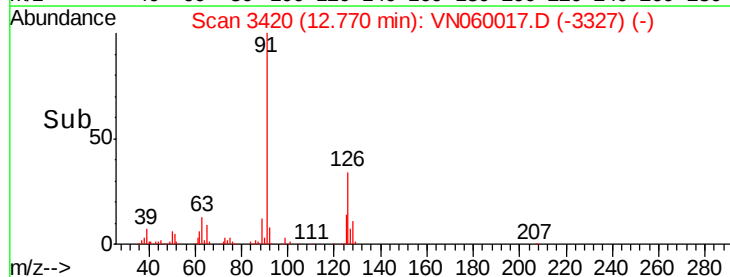
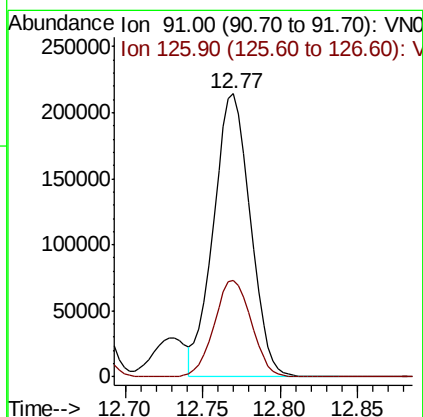
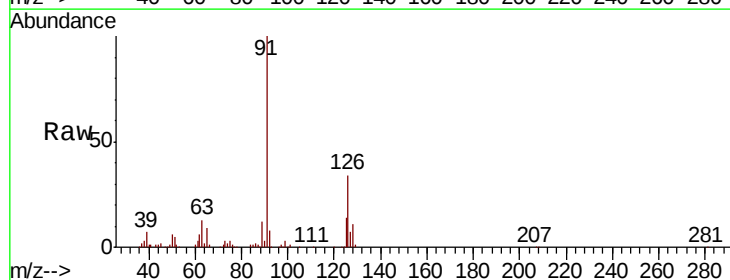
Acq: 7 Feb 2020 8:59

Tgt Ion: 91 Resp: 354440

Ion Ratio Lower Upper

91 100

126 34.4 16.3 48.8





#83

tert-Butylbenzene

Concen: 51.874 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

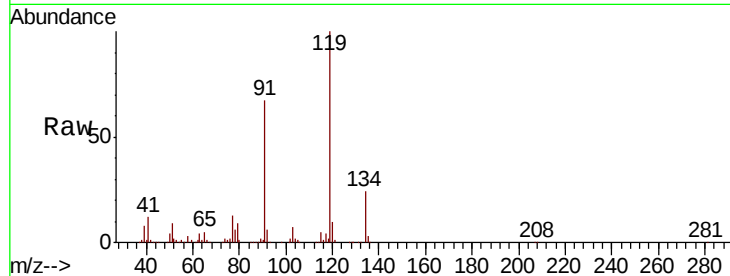
Tot Ion:119 Resp: 371684

Ion Ratio Lower Upper

119 100

91 65.7 34.8 104.4

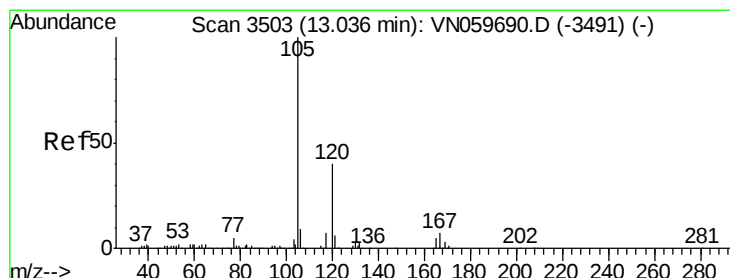
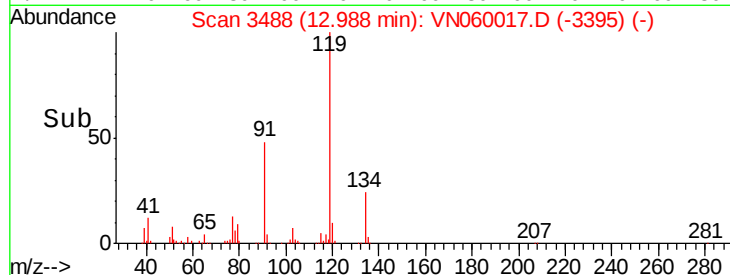
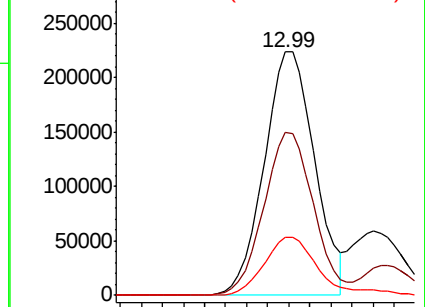
134 25.9 12.3 36.9



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: 52.785 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060017.D

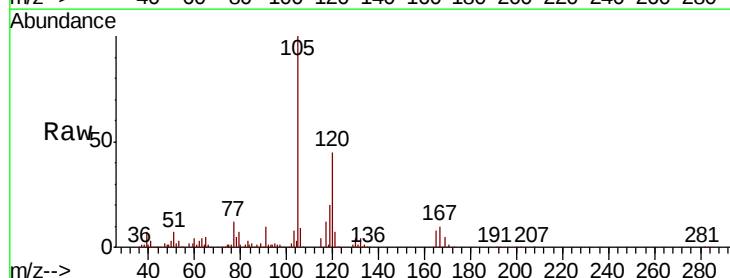
Acq: 7 Feb 2020 8:59

Tgt Ion:105 Resp: 432623

Ion Ratio Lower Upper

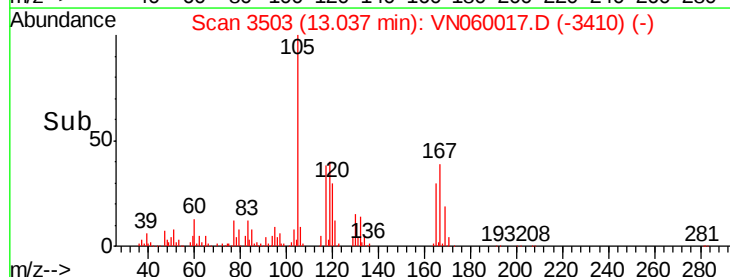
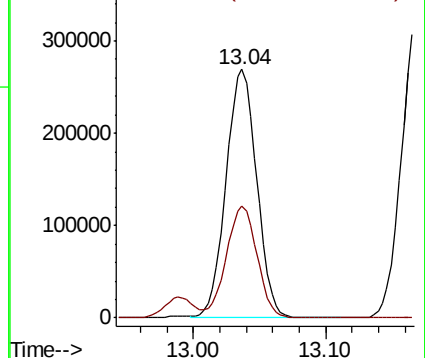
105 100

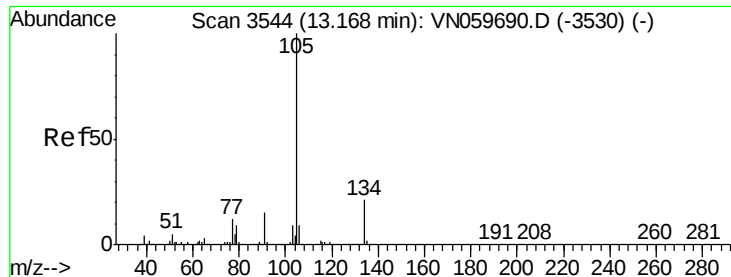
120 45.1 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

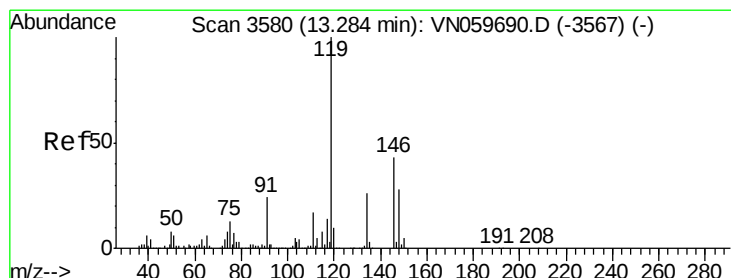
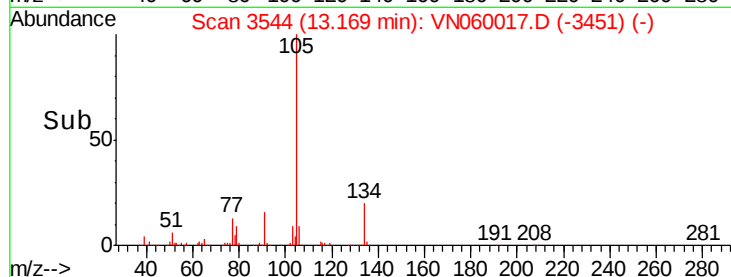
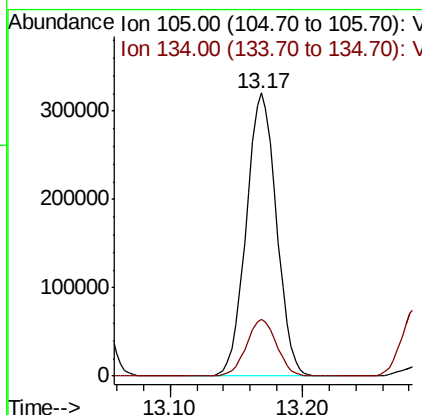
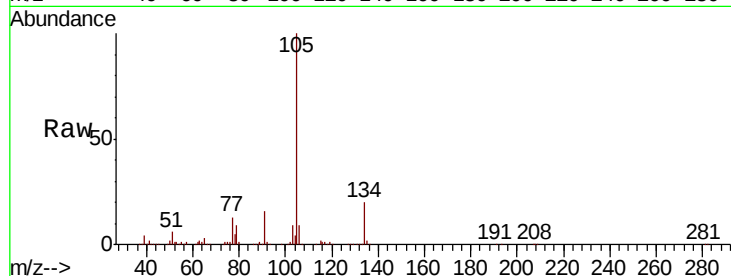




#85
 sec-Butylbenzene
 Concen: 53.764 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

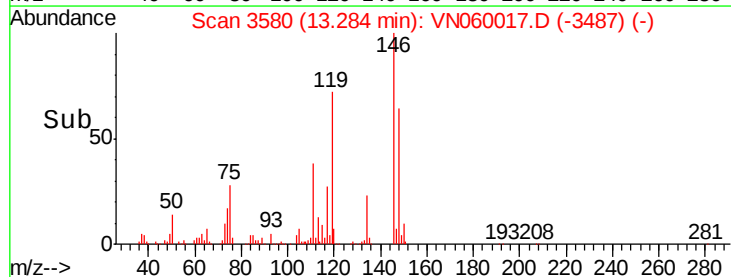
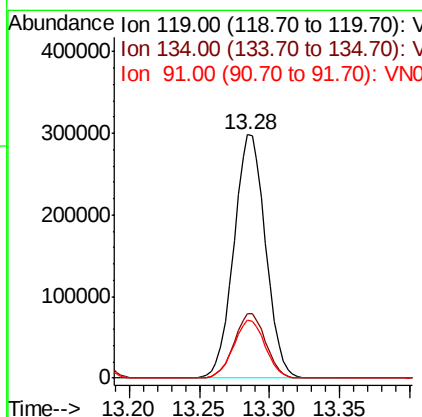
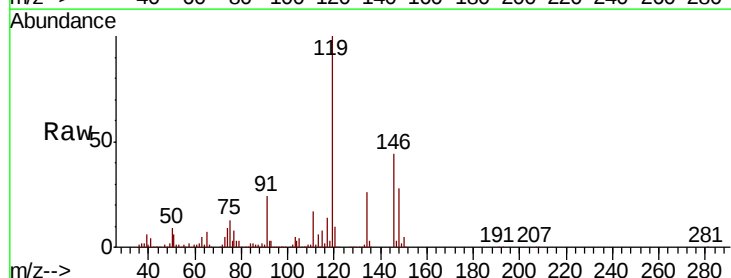
Instrument :
 MSVOA_N
 ClientSampled :

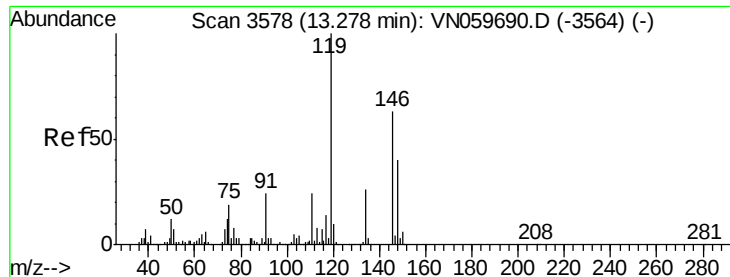
Tot Ion:105 Resp: 506120
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 53.676 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion:119 Resp: 467552
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.7
 91 23.9 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 54.730 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060017.D

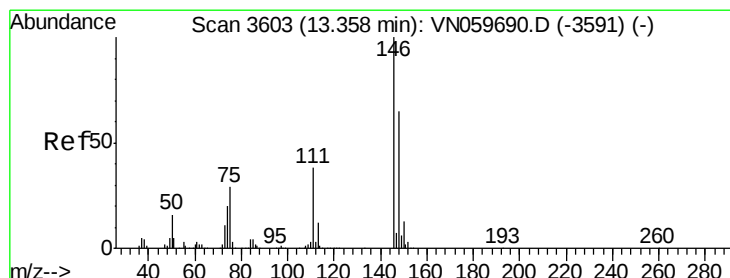
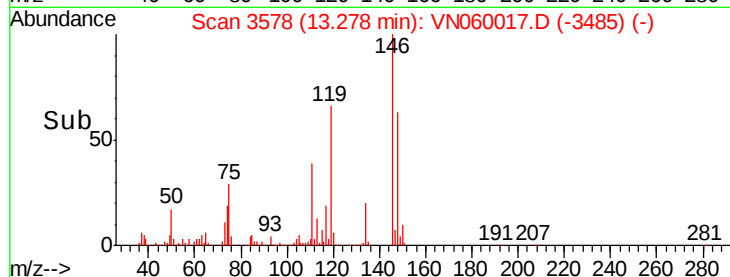
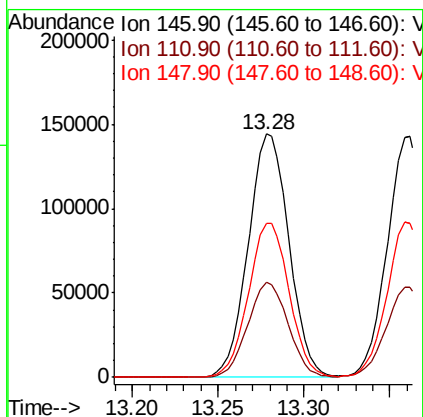
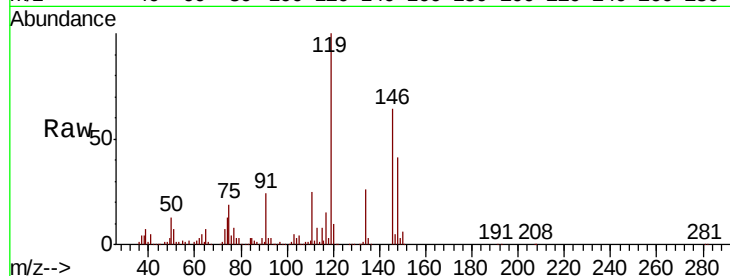
Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	237161
Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	63.4	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 53.869 ug/l

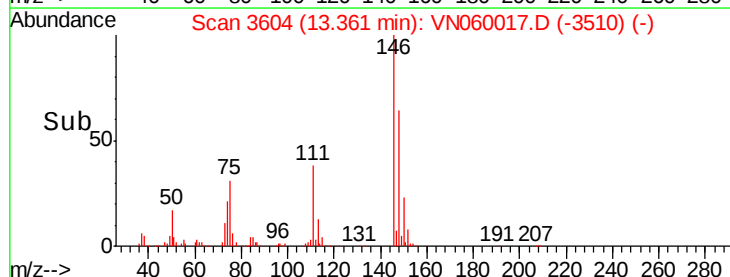
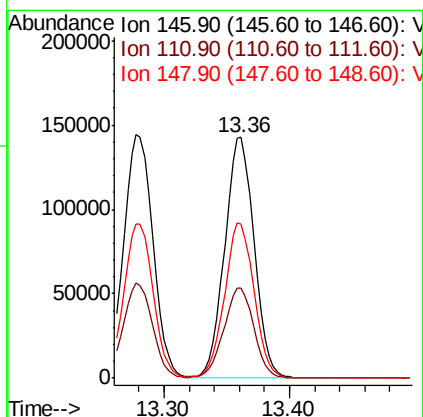
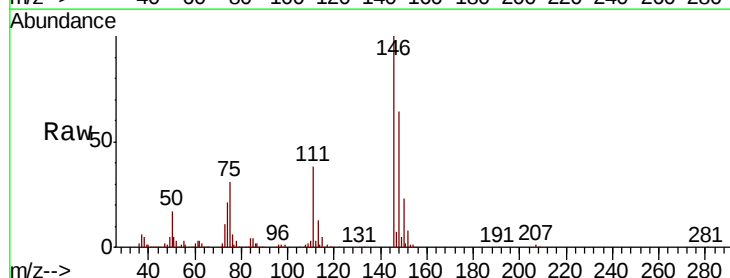
RT: 13.36 min Scan# 3604

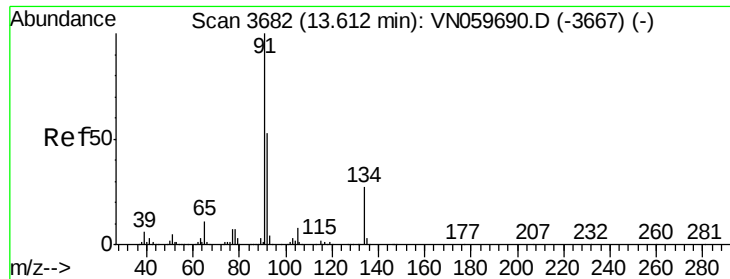
Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:	146	Resp:	232867
Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.8	62.2
148	63.8	31.8	95.4

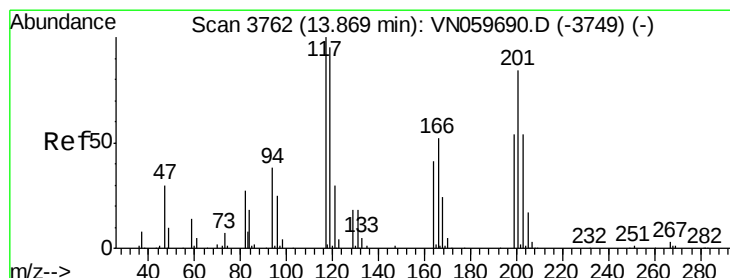
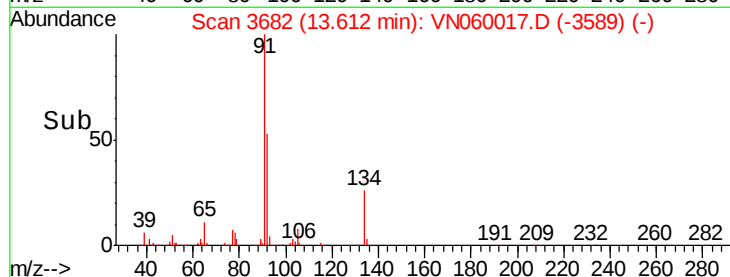
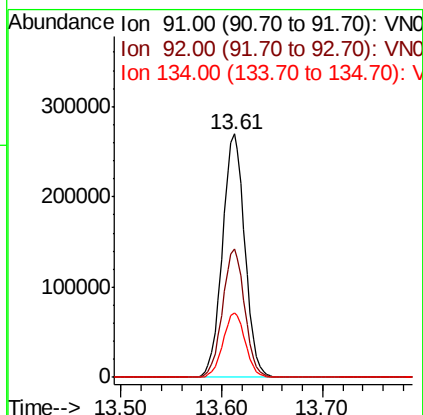
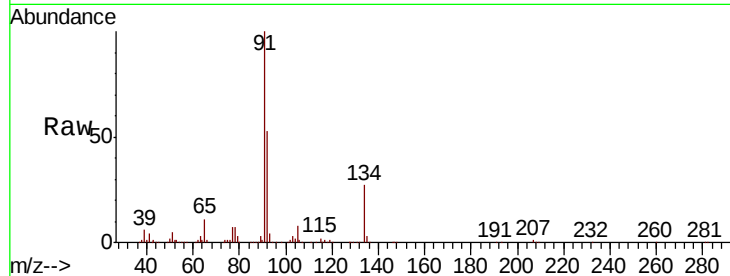




#89
n-Butylbenzene
Concen: 56.299 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

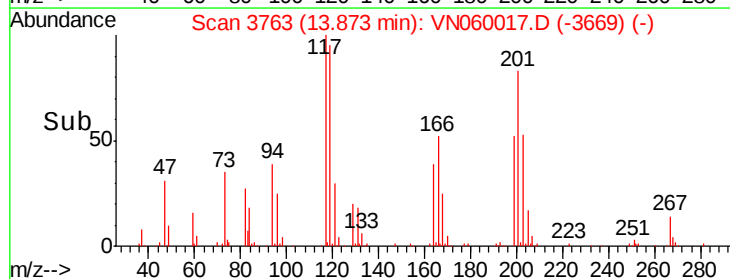
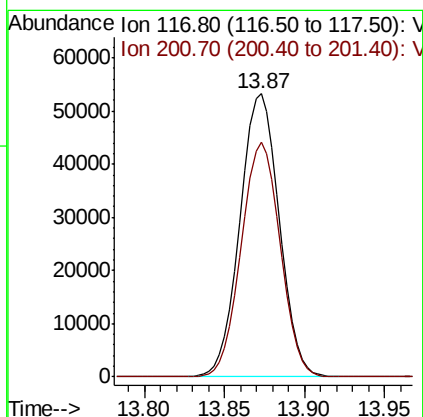
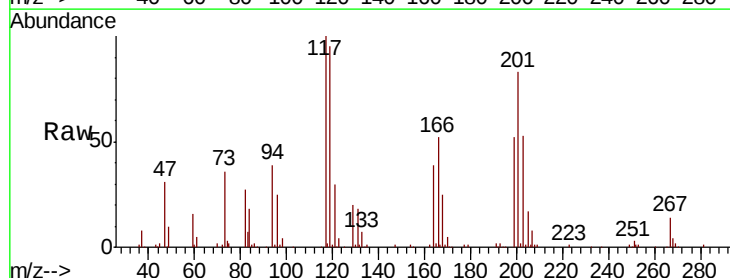
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 418132
Ion Ratio Lower Upper
91 100
92 52.1 25.9 77.7
134 26.3 12.3 36.8



#90
Hexachloroethane
Concen: 54.542 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 117 Resp: 88889
Ion Ratio Lower Upper
117 100
201 82.5 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 53.367 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

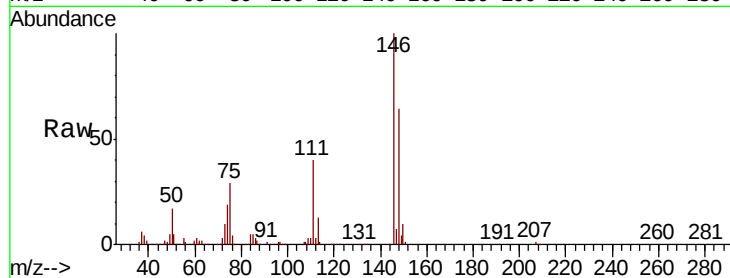
Tot Ion:146 Resp: 228621

Ion Ratio Lower Upper

146 100

111 40.5 21.6 64.8

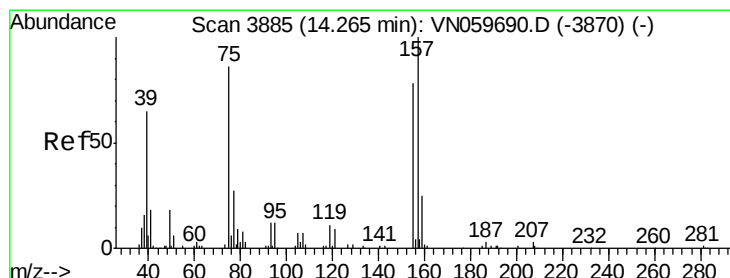
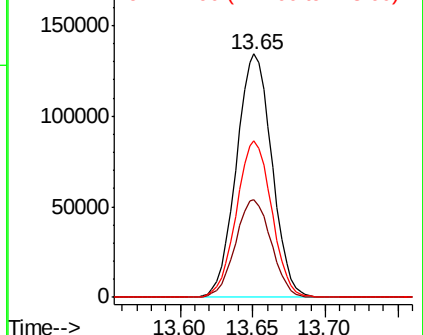
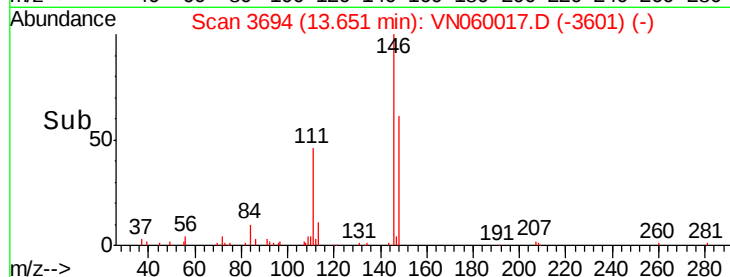
148 64.0 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.515 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

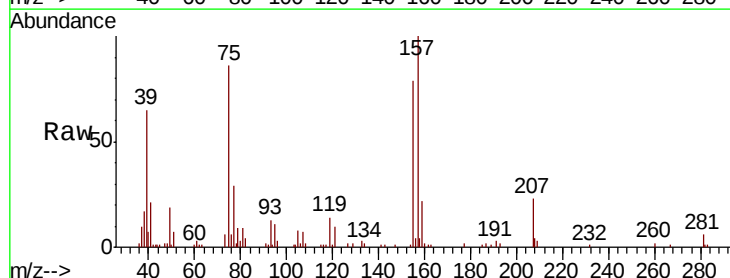
Tgt Ion: 75 Resp: 32125

Ion Ratio Lower Upper

75 100

155 86.6 37.0 110.9

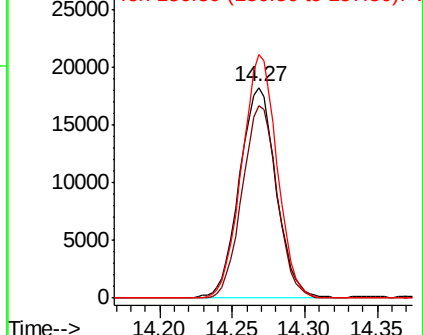
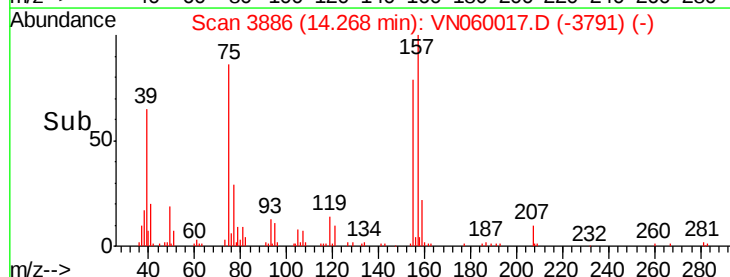
157 111.1 48.4 145.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 54.999 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampled :

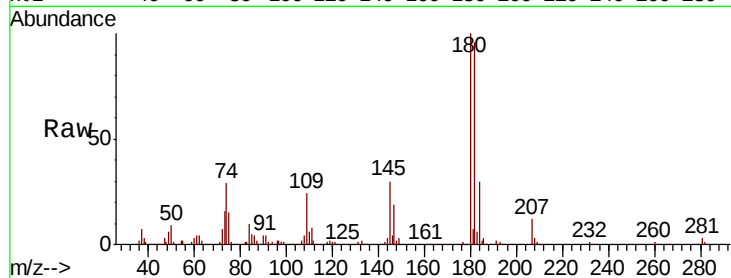
Tot Ion:180 Resp: 141575

Ion Ratio Lower Upper

180 100

182 96.6 46.9 140.7

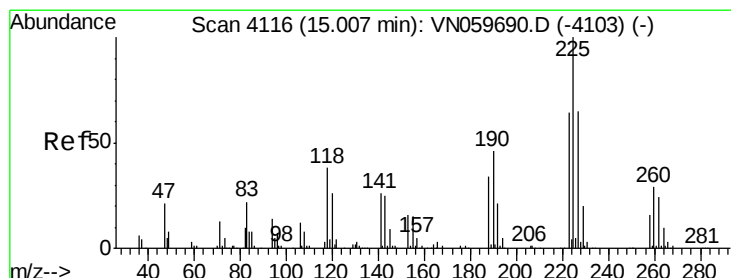
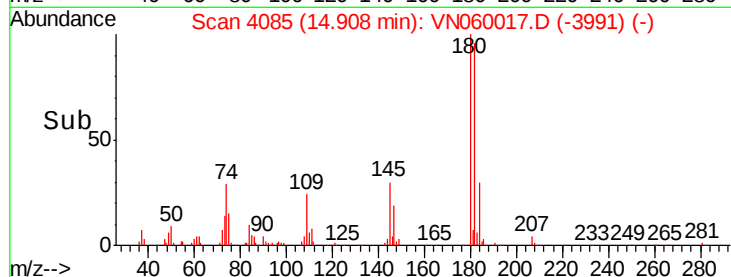
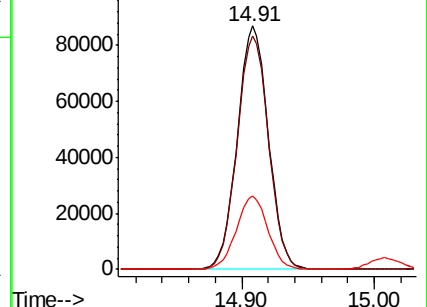
145 30.4 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 54.556 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

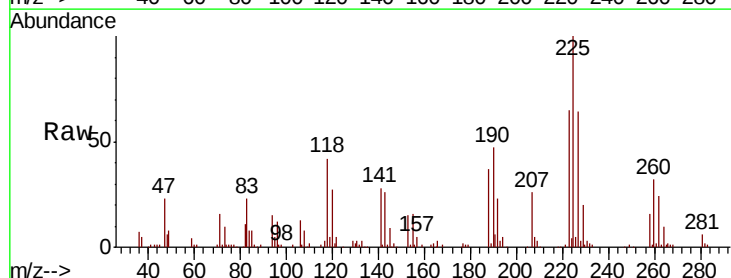
Tgt Ion:225 Resp: 77388

Ion Ratio Lower Upper

225 100

223 63.8 31.8 95.3

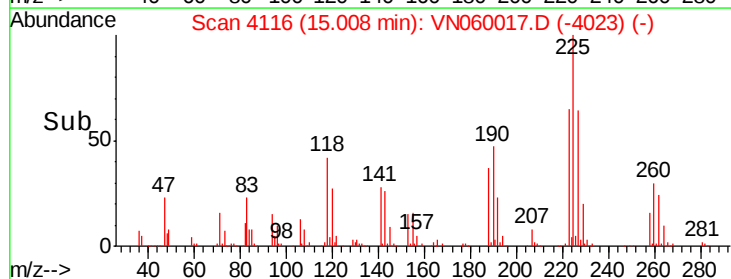
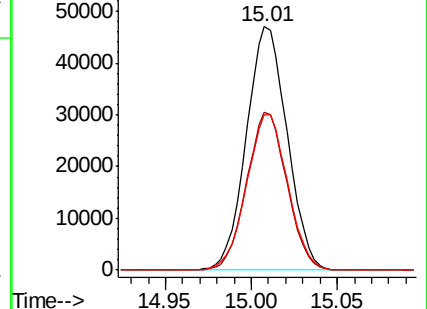
227 64.3 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

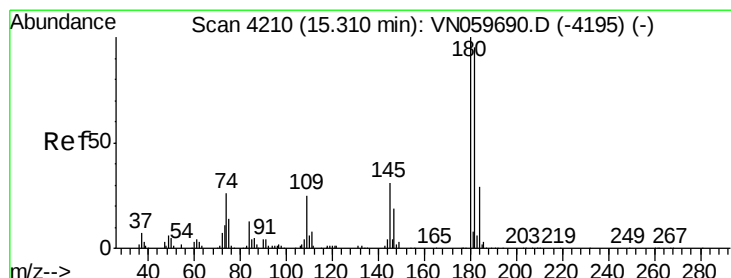
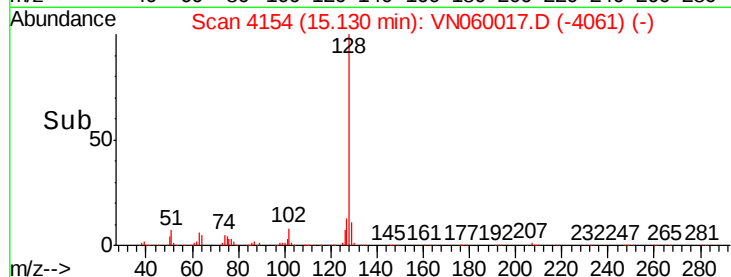
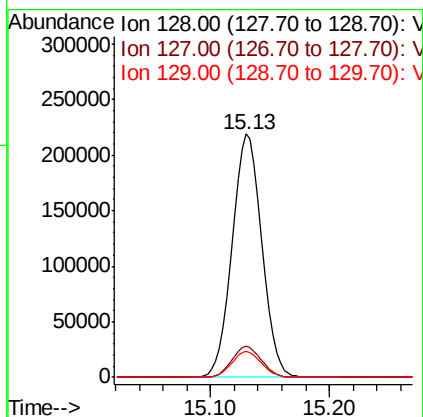
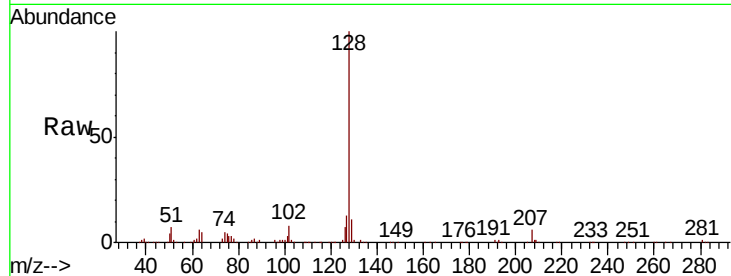




#95
Naphthalene
Concen: 51.642 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 378110
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 54.543 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion:180 Resp: 136662
Ion Ratio Lower Upper
180 100
182 94.5 47.4 142.3
145 32.1 16.3 48.9

