

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060068.D
 Acq On : 12 Feb 2020 12:05
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 12 12:56:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 12:49:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138237	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	46505	19.47	ug/l	0.00
Spiked Amount						
			Recovery	=	38.94%	
35) Dibromofluoromethane	7.57	113	36394	19.62	ug/l	0.00
Spiked Amount						
			Recovery	=	39.24%	
50) Toluene-d8	10.08	98	145280	19.75	ug/l	0.00
Spiked Amount						
			Recovery	=	39.50%	
62) 4-Bromofluorobenzene	12.40	95	50894	19.27	ug/l	0.00
Spiked Amount						
			Recovery	=	38.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	41870	21.066	ug/l	97
3) Chloromethane	2.04	50	47440	19.701	ug/l	99
4) Vinyl Chloride	2.17	62	54654	20.004	ug/l	99
5) Bromomethane	2.55	94	32283	17.816	ug/l	94
6) Chloroethane	2.69	64	26782	19.481	ug/l	93
7) Trichlorofluoromethane	3.00	101	68825	19.584	ug/l	98
8) Diethyl Ether	3.39	74	23084	20.126	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37693	19.296	ug/l	99
10) Methyl Iodide	3.93	142	46581	21.162	ug/l	98
11) Tert butyl alcohol	4.73	59	35219	100.806	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	37197	19.904	ug/l	98
13) Acrolein	3.58	56	32769	97.105	ug/l	96
14) Allyl chloride	4.30	41	53402	19.171	ug/l	97
15) Acrylonitrile	4.94	53	87164	103.197	ug/l	99
16) Acetone	3.78	43	114684	128.850	ug/l	99
17) Carbon Disulfide	4.03	76	108908	19.143	ug/l	99
18) Methyl Acetate	4.29	43	38073	19.706	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	121989	19.378	ug/l	99
20) Methylene Chloride	4.52	84	41066	19.423	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	40079	21.893	ug/l	97
22) Diisopropyl ether	5.92	45	116921	19.663	ug/l	99
23) Vinyl Acetate	5.86	43	497891	100.987	ug/l	100
24) 1,1-Dichloroethane	5.82	63	71438	19.451	ug/l	100
25) 2-Butanone	6.80	43	136444	106.571	ug/l	98
26) 2,2-Dichloropropane	6.80	77	67923	19.414	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	46976	22.140	ug/l	99
28) Bromochloromethane	7.17	49	30598	23.840	ug/l	97
29) Tetrahydrofuran	7.18	42	80273	101.421	ug/l	99
30) Chloroform	7.35	83	74640	19.386	ug/l	100
31) Cyclohexane	7.63	56	66890	19.019	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	69008	19.667	ug/l	99
36) 1,1-Dichloropropene	7.77	75	56363	19.584	ug/l	100
37) Ethyl Acetate	6.90	43	53275	21.081	ug/l	99
38) Carbon Tetrachloride	7.75	117	61692	19.757	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	70557	19.785	ug/l	98
40) Benzene	8.02	78	166209	19.316	ug/l	100
41) Methacrylonitrile	7.14	41	17094	10.312	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	59302	19.906	ug/l	100
43) Isopropyl Acetate	8.14	43	88275	20.352	ug/l	99
44) Trichloroethene	8.82	130	46438	19.451	ug/l	94
45) 1,2-Dichloropropane	9.10	63	42474	20.125	ug/l	97
46) Dibromomethane	9.19	93	29754	20.061	ug/l	98
47) Bromodichloromethane	9.39	83	59804	19.873	ug/l	97
48) Methyl methacrylate	9.18	41	37721	19.613	ug/l	99
49) 1,4-Dioxane	9.18	88	13898	430.662	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	256928	103.020	ug/l	99
52) Toluene	10.14	92	106006	19.525	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	67321	20.222	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	71785	20.174	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	41973	19.680	ug/l	98
56) Ethyl methacrylate	10.42	69	59232	20.876	ug/l	99
57) 1,3-Dichloropropane	10.70	76	68627	19.462	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	135301	101.144	ug/l	100
59) 2-Hexanone	10.74	43	199298	104.764	ug/l	100
60) Dibromochloromethane	10.89	129	48120	20.165	ug/l	99
61) 1,2-Dibromoethane	11.00	107	43974	20.056	ug/l	100
64) Tetrachloroethene	10.62	164	43567	19.266	ug/l	98
65) Chlorobenzene	11.43	112	114543	19.413	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	43858	19.860	ug/l	99
67) Ethyl Benzene	11.51	91	205922	19.401	ug/l	100
68) m/p-Xylenes	11.62	106	155648	39.405	ug/l	99
69) o-Xylene	11.94	106	74355	19.588	ug/l	98
70) Styrene	11.96	104	118466	20.117	ug/l	99
71) Bromoform	12.12	173	34992	20.641	ug/l #	97
73) Isopropylbenzene	12.25	105	203550	19.254	ug/l	100
74) N-amyl acetate	12.07	43	72482	20.095	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	60266	20.134	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	80574	21.445	ug/l #	100
77) Bromobenzene	12.52	156	51130	19.647	ug/l	99
78) n-propylbenzene	12.59	91	228481	19.051	ug/l	99
79) 2-Chlorotoluene	12.67	91	134381	18.983	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	170123	19.497	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21037	20.251	ug/l	96
82) 4-Chlorotoluene	12.77	91	138916	19.382	ug/l	99
83) tert-Butylbenzene	12.99	119	145312	18.519	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	169906	19.919	ug/l	99
85) sec-Butylbenzene	13.17	105	197582	19.249	ug/l	100
86) p-Isopropyltoluene	13.28	119	178355	19.401	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	89740	19.744	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	88830	19.701	ug/l	99
89) n-Butylbenzene	13.61	91	158350	19.888	ug/l	99
90) Hexachloroethane	13.87	117	33071	19.340	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	87319	19.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12713	17.761	ug/l	97

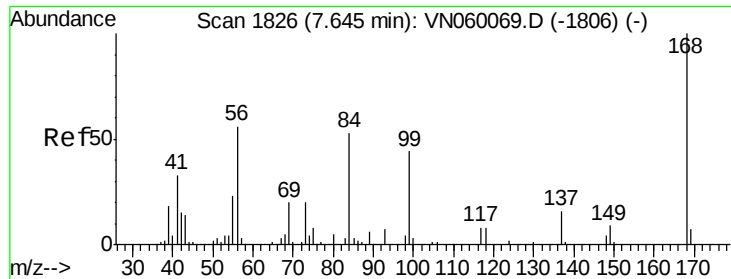
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52692	20.998	ug/l	99
94) Hexachlorobutadiene	15.01	225	30148	19.051	ug/l	98
95) Naphthalene	15.13	128	145233	21.931	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	52717	20.757	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

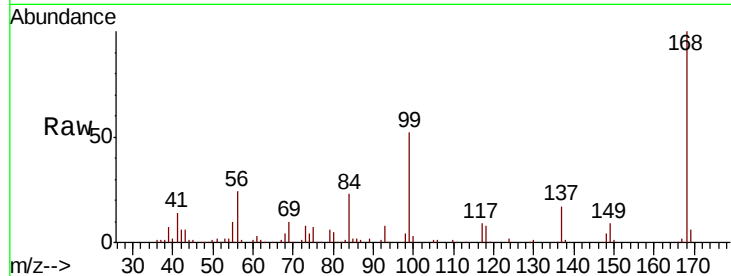
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 199169

Ion Ratio Lower Upper

168 100

99 52.5 42.7 64.1

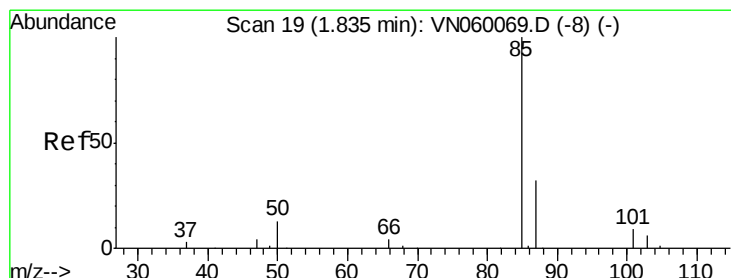
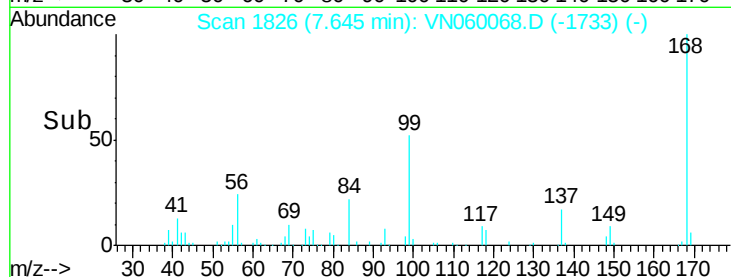


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

Time-->



#2

Dichlorodifluoromethane

Concen: 21.066 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060068.D

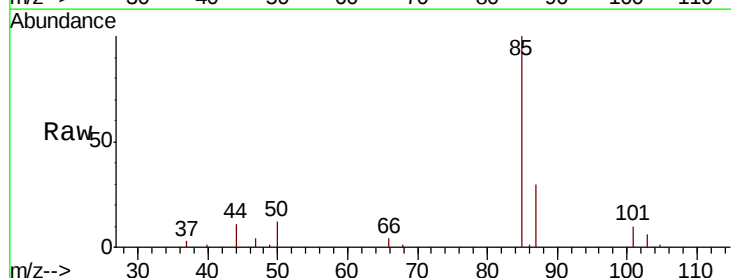
Acq: 12 Feb 2020 12:05

Tgt Ion: 85 Resp: 41870

Ion Ratio Lower Upper

85 100

87 30.3 16.1 48.2

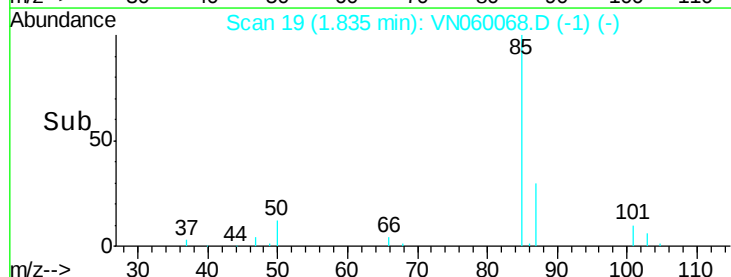


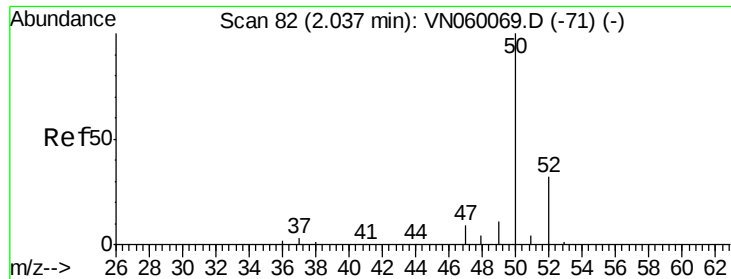
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

Time-->





#3

Chloromethane

Concen: 19.701 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

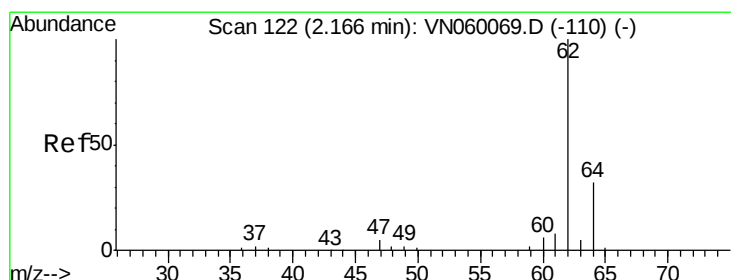
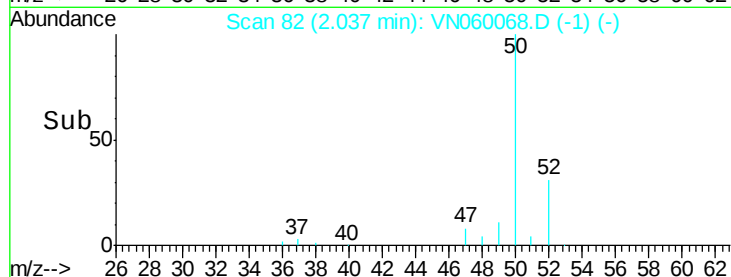
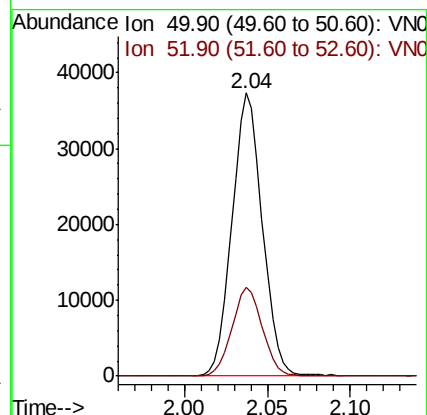
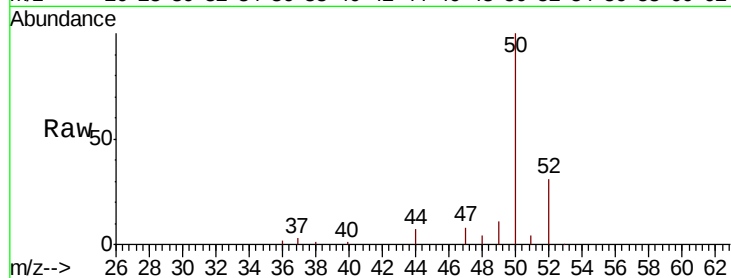
ClientSampleId :

Tot Ion: 50 Resp: 47440

Ion Ratio Lower Upper

50 100

52 31.5 25.6 38.4



#4

Vinyl Chloride

Concen: 20.004 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060068.D

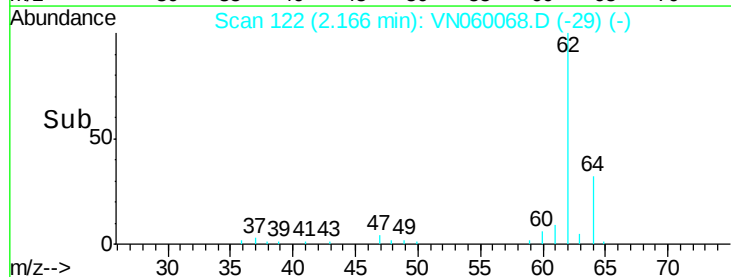
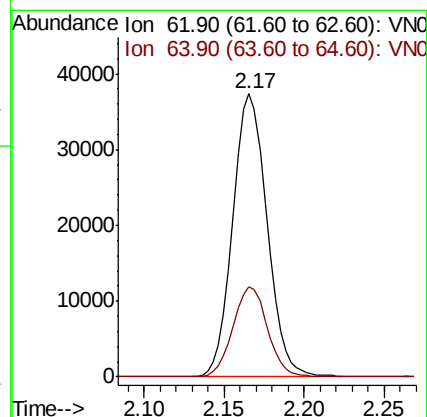
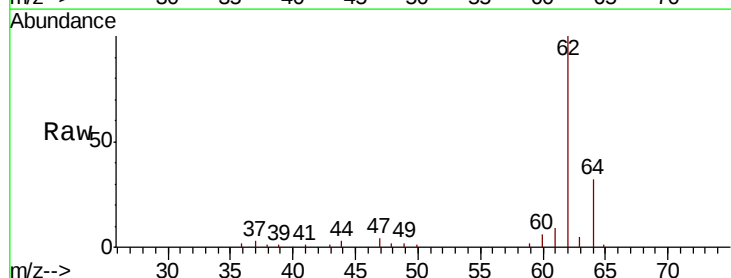
Acq: 12 Feb 2020 12:05

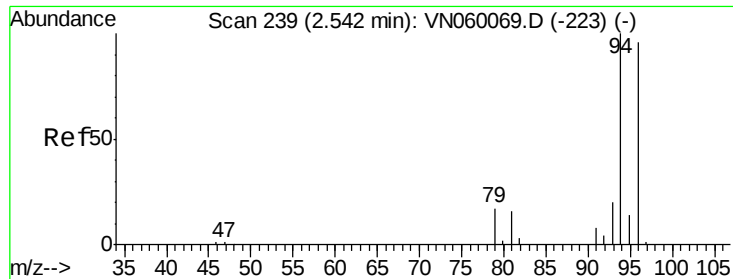
Tgt Ion: 62 Resp: 54654

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9

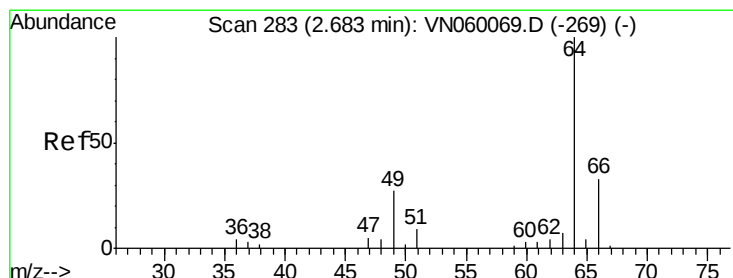
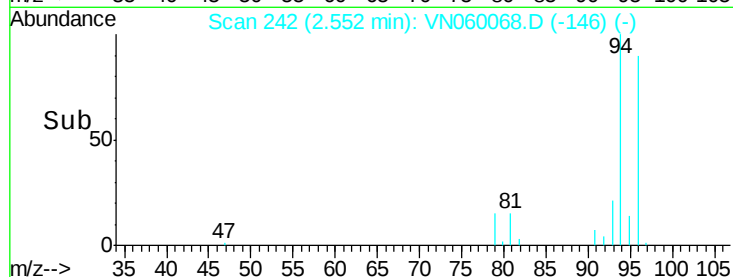
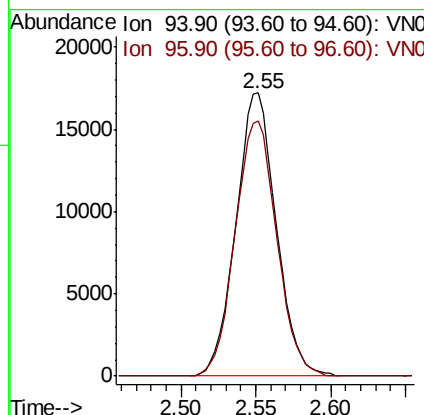
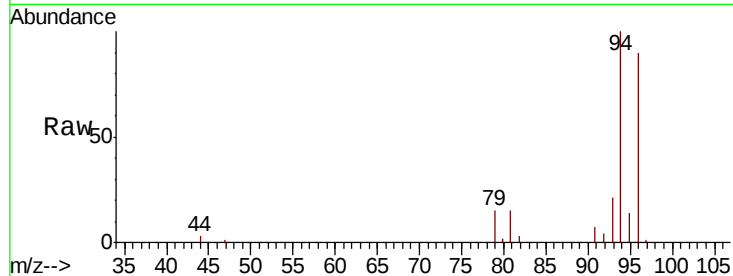




#5
Bromomethane
Concen: 17.816 ug/l
RT: 2.55 min Scan# 242
Delta R.T. 0.01 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

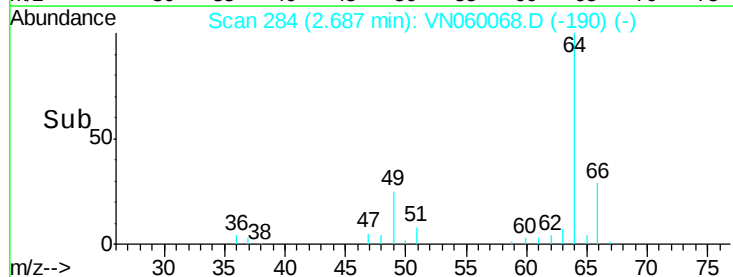
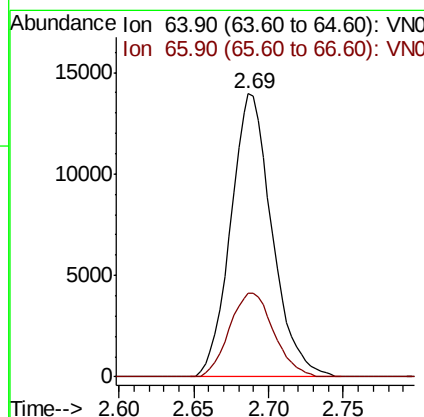
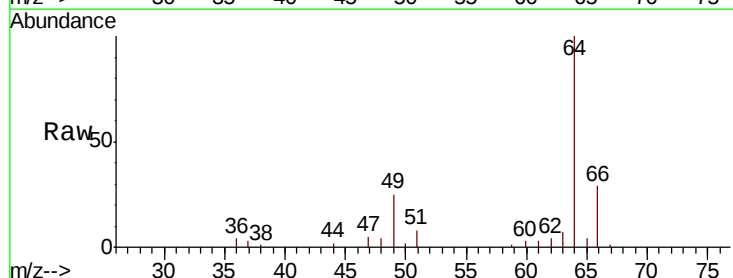
Instrument :
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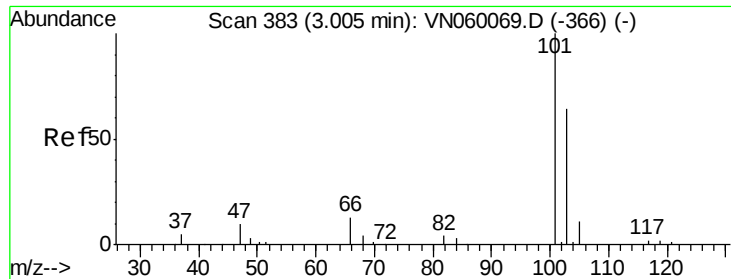
Tot Ion: 94 Resp: 32283
Ion Ratio Lower Upper
94 100
96 90.3 76.7 115.1



#6
Chloroethane
Concen: 19.481 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 64 Resp: 26782
Ion Ratio Lower Upper
64 100
66 29.4 26.6 40.0



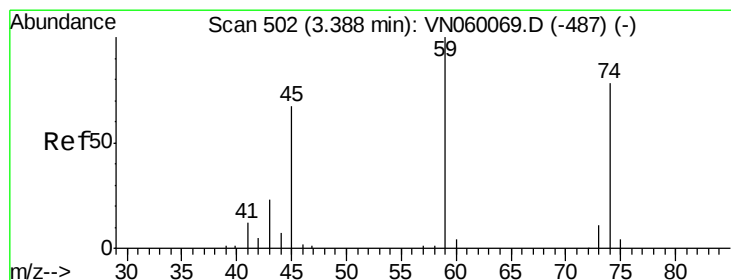
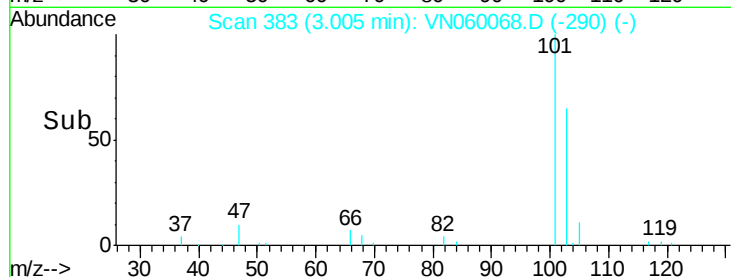
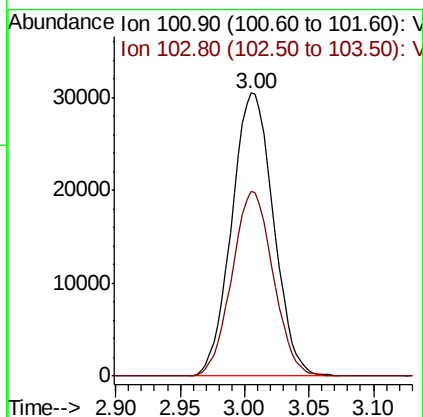
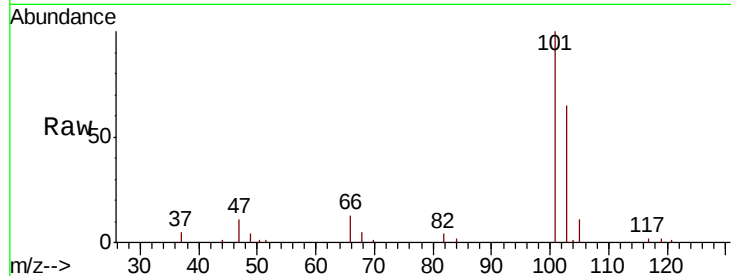


#7

Trichlorofluoromethane
 Concen: 19.584 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :

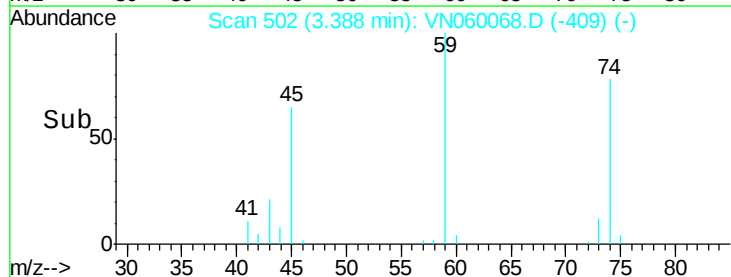
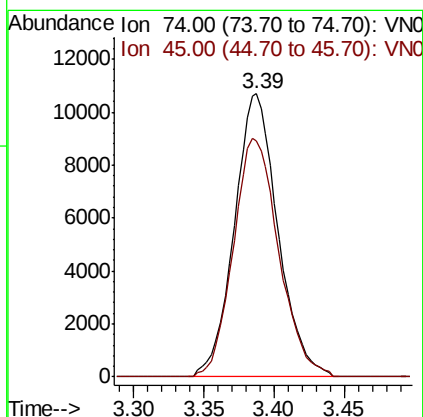
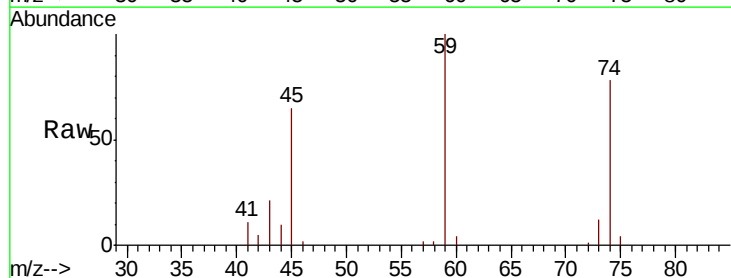
Tot Ion:101 Resp: 68825
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.0 76.6

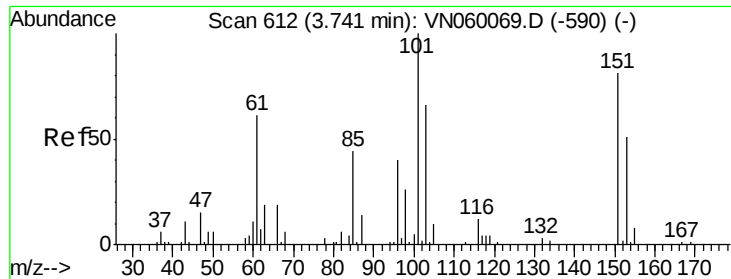


#8

Diethyl Ether
 Concen: 20.126 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion: 74 Resp: 23084
 Ion Ratio Lower Upper
 74 100
 45 87.8 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.296 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

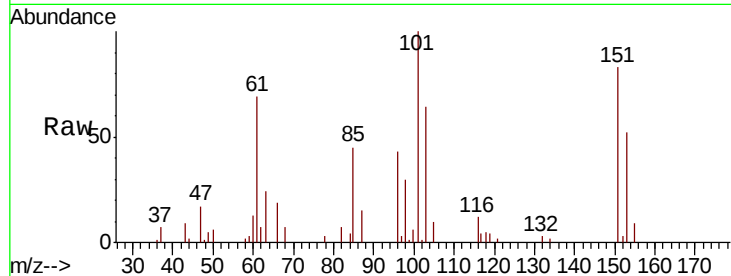
Tot Ion:101 Resp: 37693

Ion Ratio Lower Upper

101 100

85 44.8 35.1 52.7

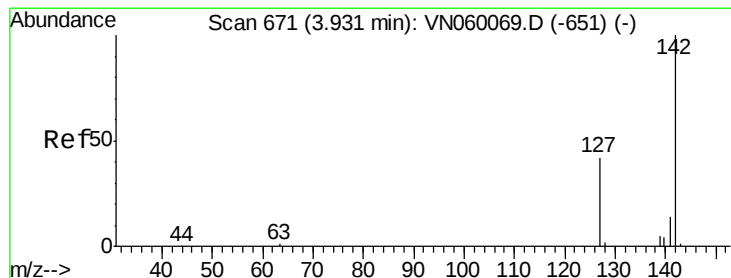
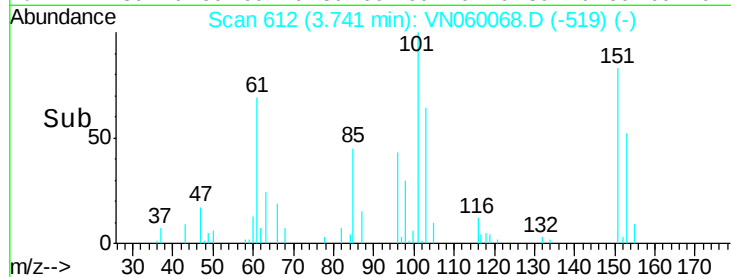
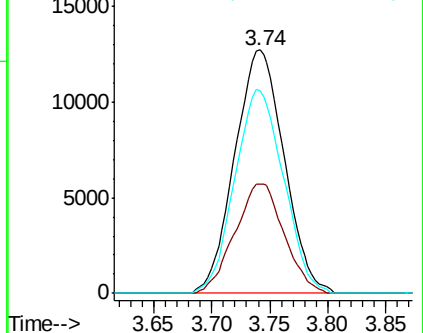
151 82.3 65.8 98.6



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: 21.162 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

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Acq: 12 Feb 2020 12:05

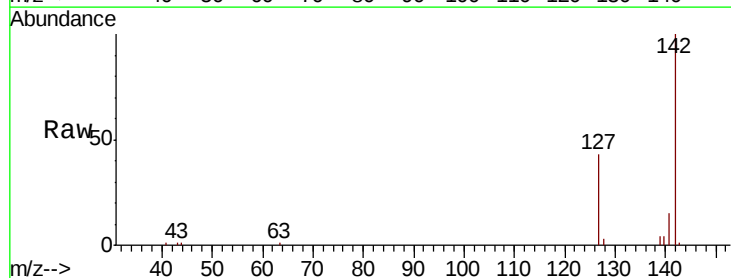
Tgt Ion:142 Resp: 46581

Ion Ratio Lower Upper

142 100

127 43.4 33.6 50.4

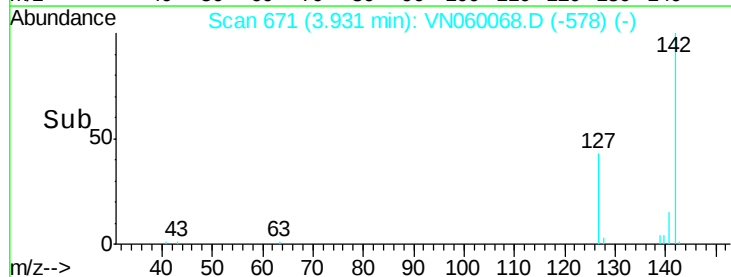
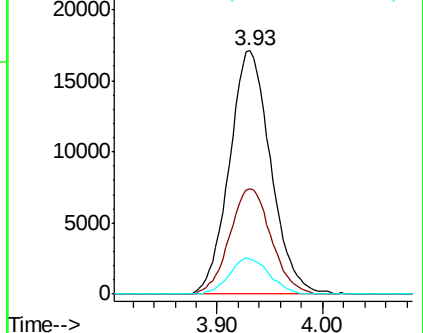
141 14.3 11.4 17.2

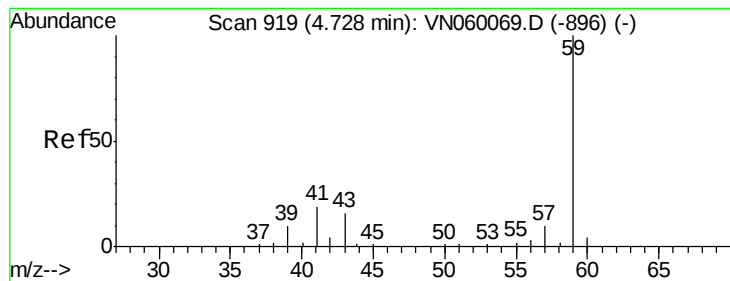


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



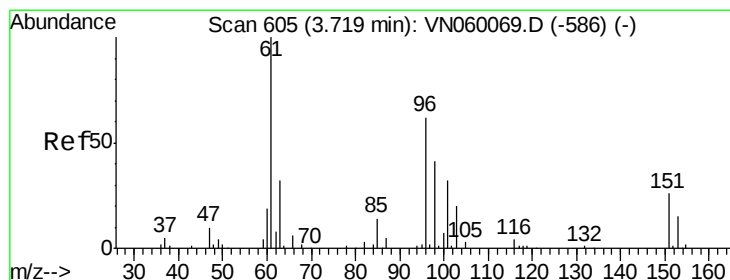
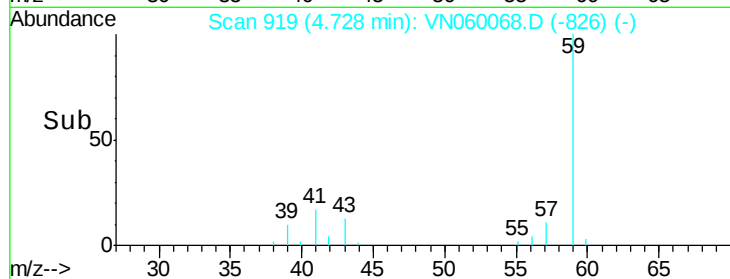
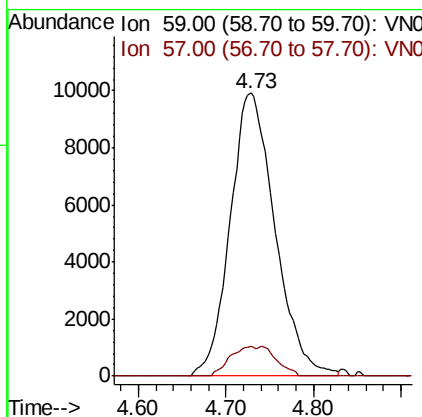
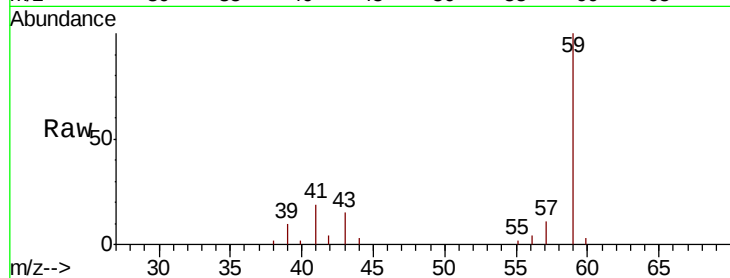


#11

Tert butyl alcohol
 Concen: 100.806 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :

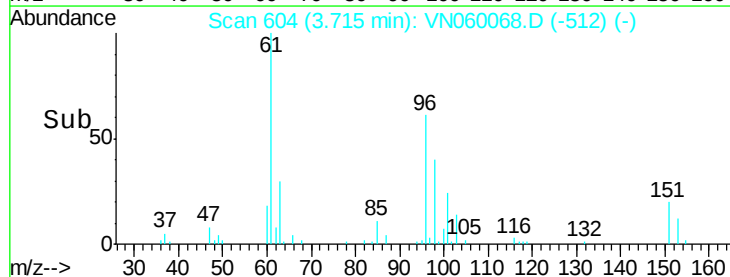
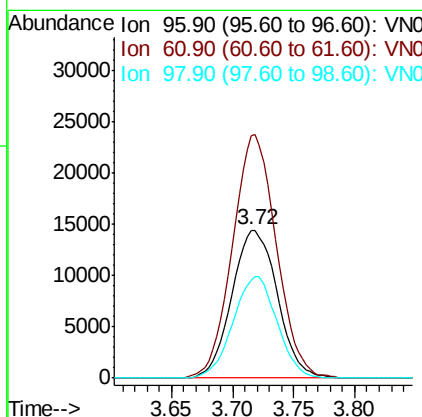
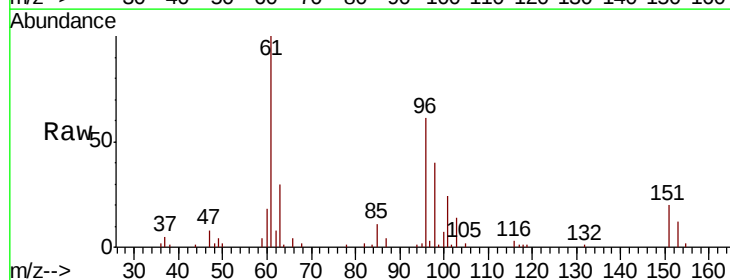
Tot Ion: 59 Resp: 35219
 Ion Ratio Lower Upper
 59 100
 57 6.1 8.2 12.4#

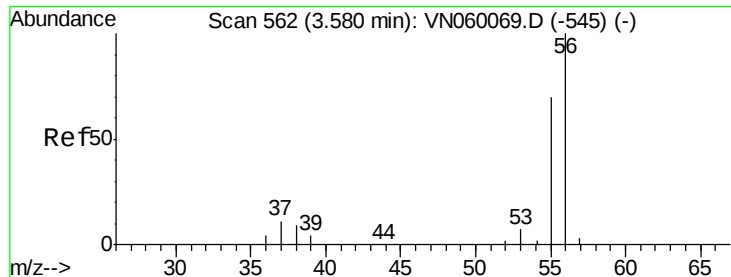


#12

1,1-Dichloroethene
 Concen: 19.904 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion: 96 Resp: 37197
 Ion Ratio Lower Upper
 96 100
 61 164.0 128.3 192.5
 98 65.9 52.2 78.4





#13

Acrolein

Concen: 97.105 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

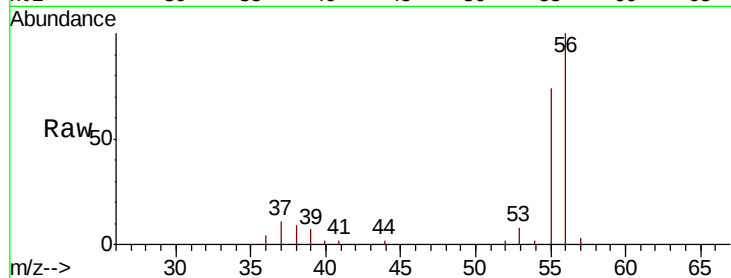
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 32769

Ion Ratio Lower Upper

56 100

55 72.0 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-545) (-)

3.58

15000

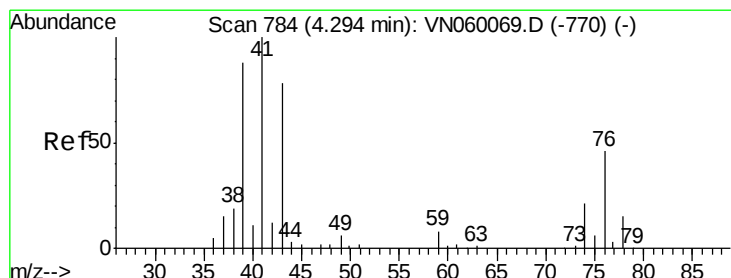
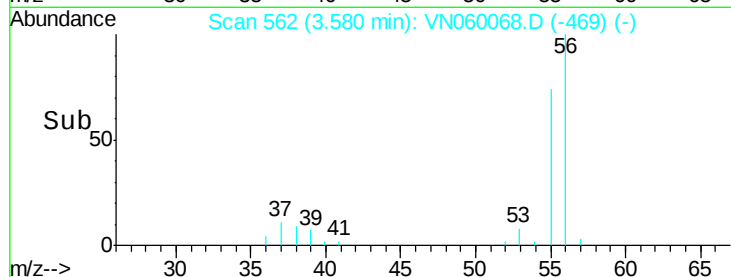
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.171 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

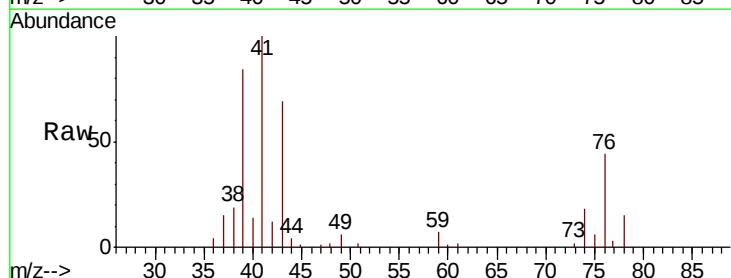
Tgt Ion: 41 Resp: 53402

Ion Ratio Lower Upper

41 100

39 81.4 67.8 101.8

76 41.2 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060069.D (-770) (-)

4.30

25000

20000

15000

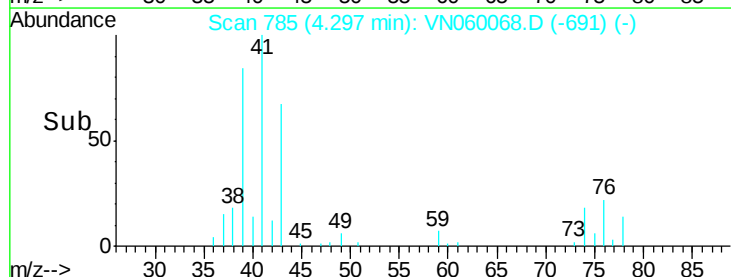
10000

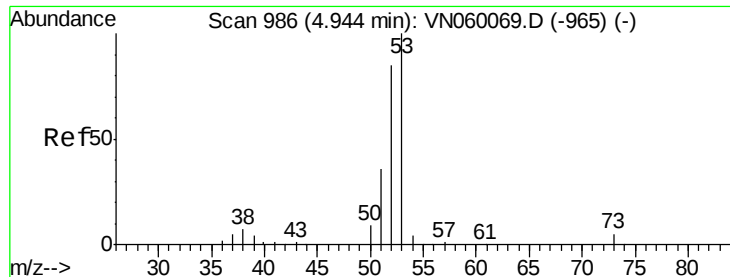
5000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 103.197 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

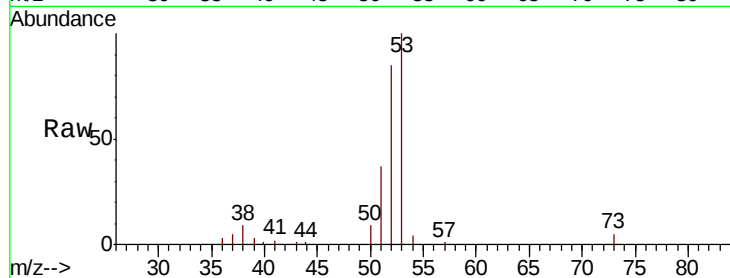
Tot Ion: 53 Resp: 87164

Ion Ratio Lower Upper

53 100

52 84.0 66.8 100.2

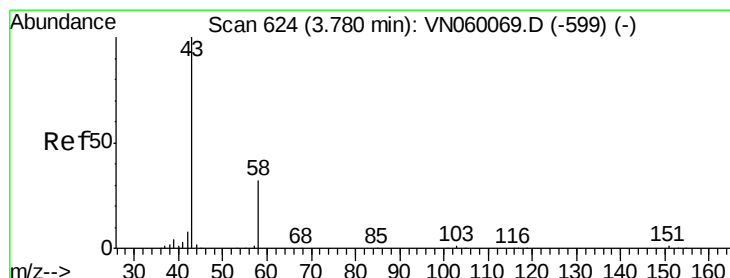
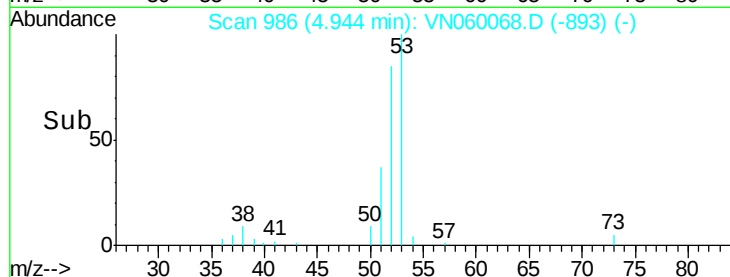
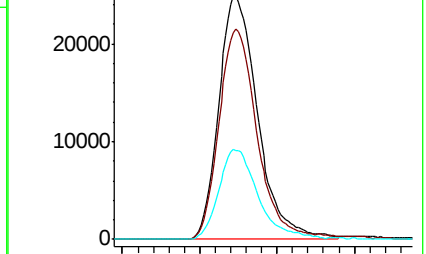
51 37.4 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN060069.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060069.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060069.D (-965) (-)



#16

Acetone

Concen: 128.850 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060068.D

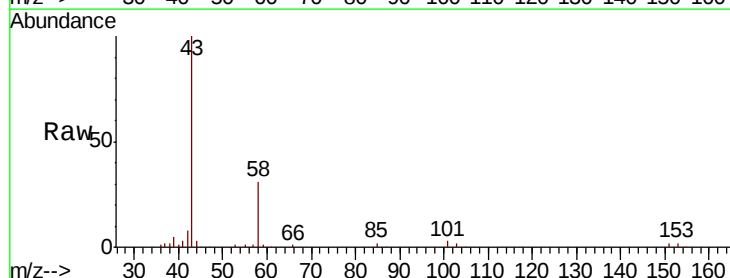
Acq: 12 Feb 2020 12:05

Tgt Ion: 43 Resp: 114684

Ion Ratio Lower Upper

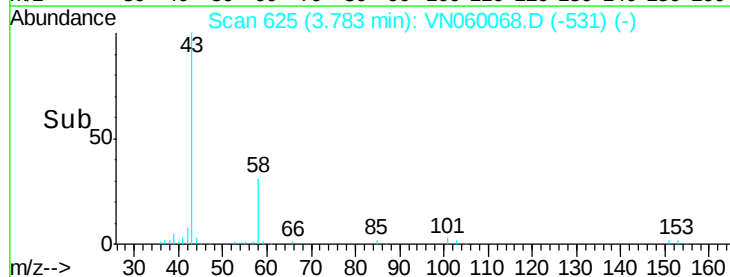
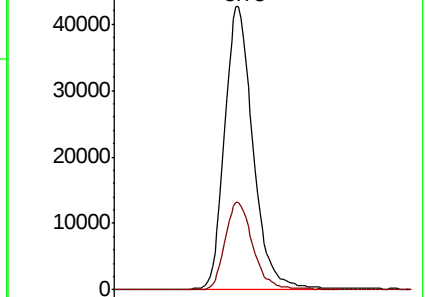
43 100

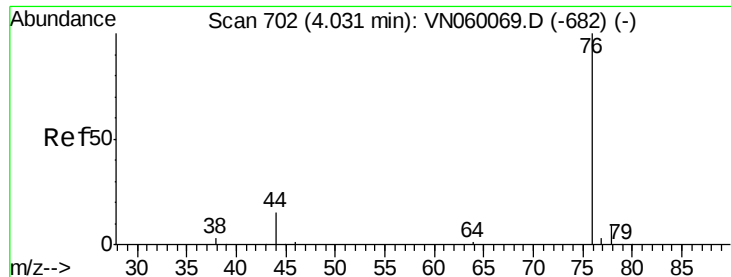
58 30.8 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)

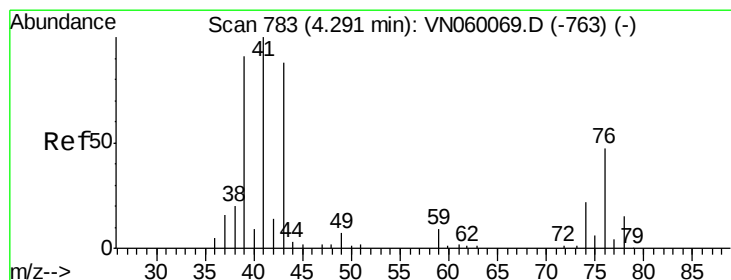
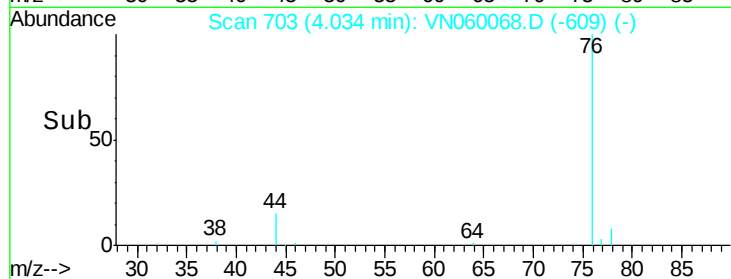
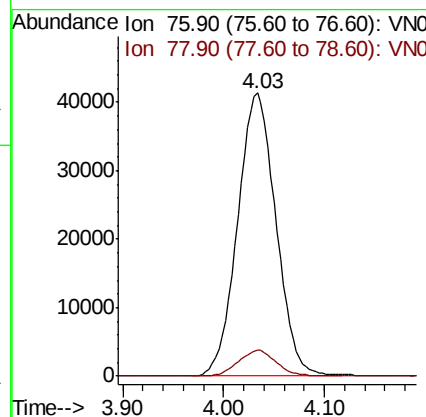
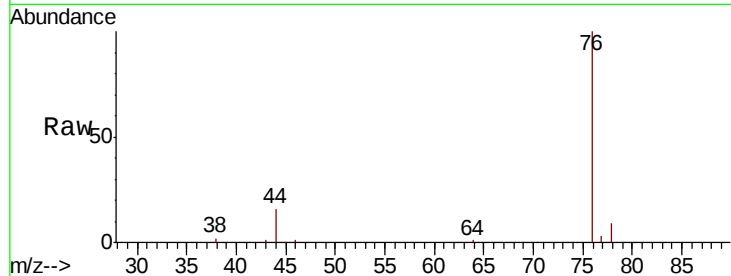




#17
Carbon Disulfide
Concen: 19.143 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

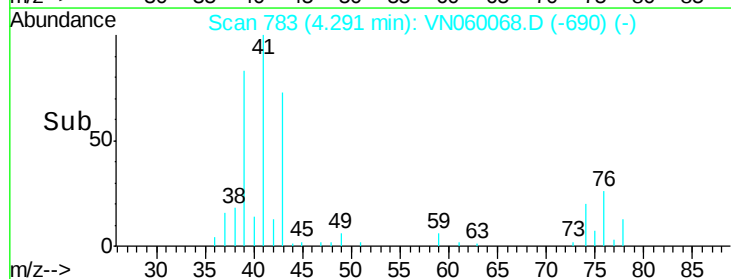
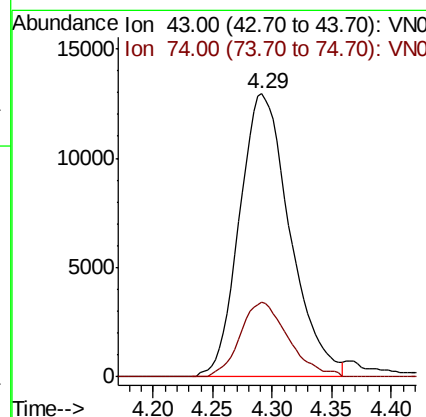
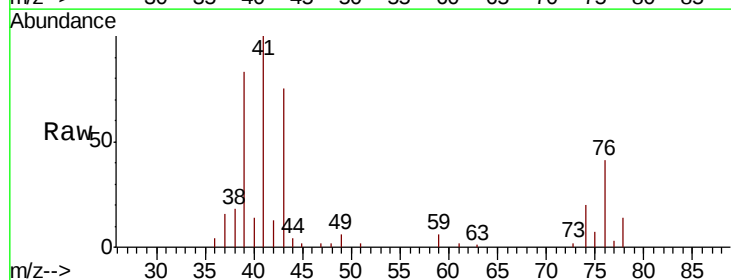
Instrument :
MSVOA_N
ClientSampleId :

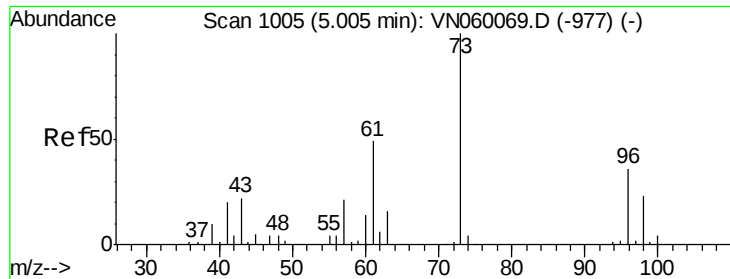
Tot Ion: 76 Resp: 108908
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 19.706 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 43 Resp: 38073
Ion Ratio Lower Upper
43 100
74 25.3 20.3 30.5

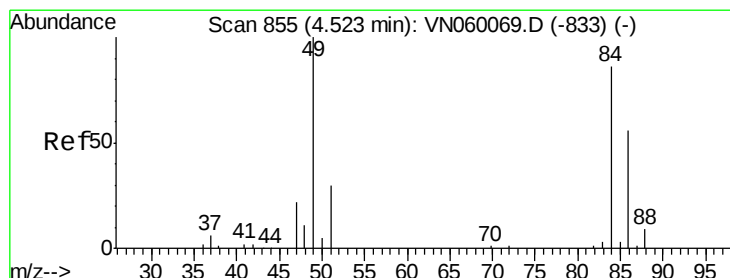
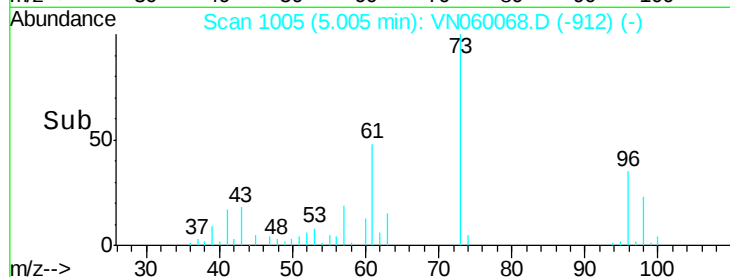
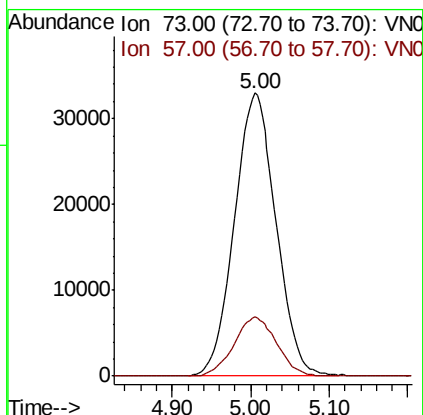
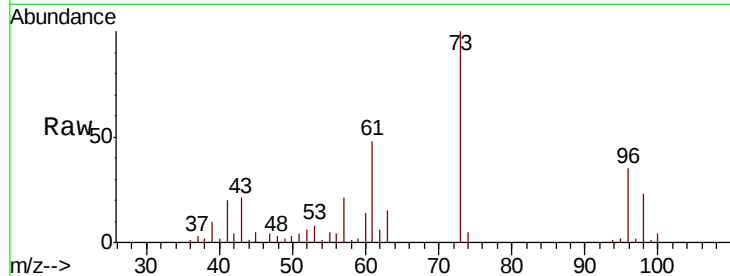




#19
Methvl tert-butvl Ether
Concen: 19.378 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

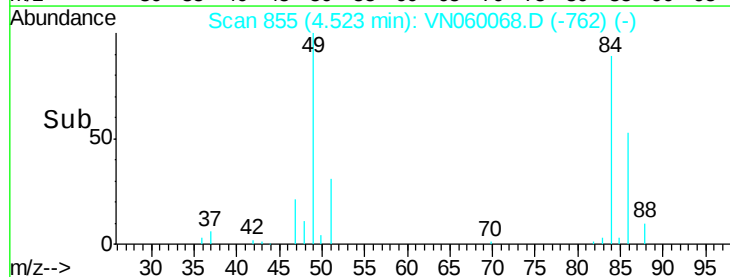
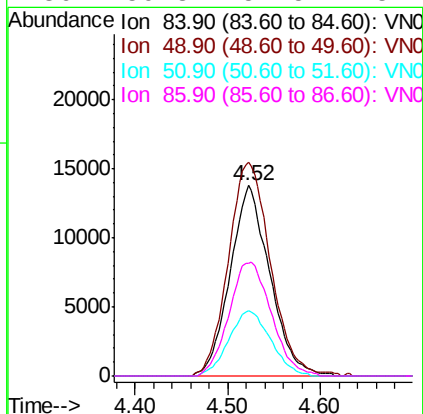
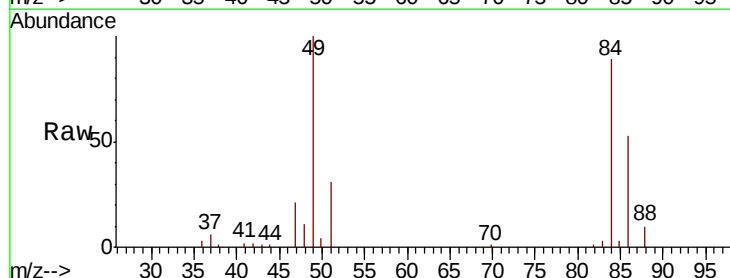
Instrument :
MSVOA_N
ClientSampled :

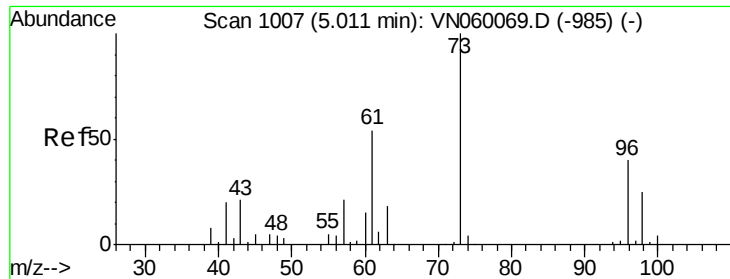
Tot Ion: 73 Resp: 121989
Ion Ratio Lower Upper
73 100
57 20.8 17.2 25.8



#20
Methylene Chloride
Concen: 19.423 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 84 Resp: 41066
Ion Ratio Lower Upper
84 100
49 112.1 93.4 140.0
51 34.2 28.4 42.6
86 59.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 21.893 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

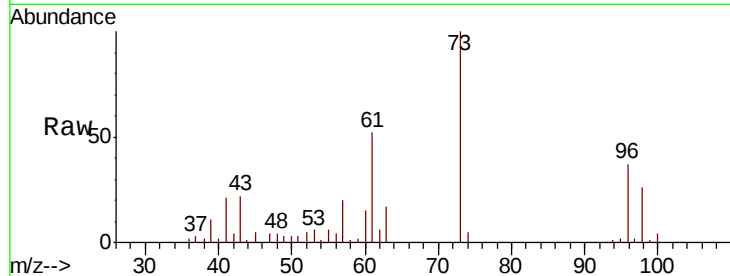
Tot Ion: 96 Resp: 40079

Ion Ratio Lower Upper

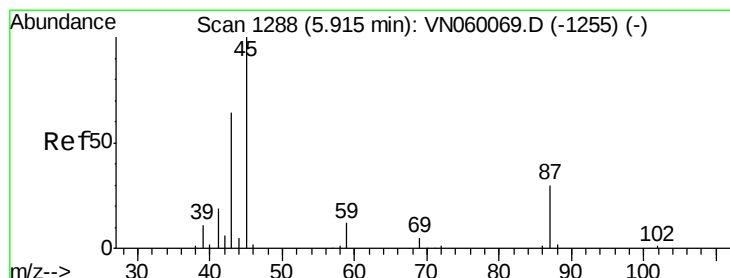
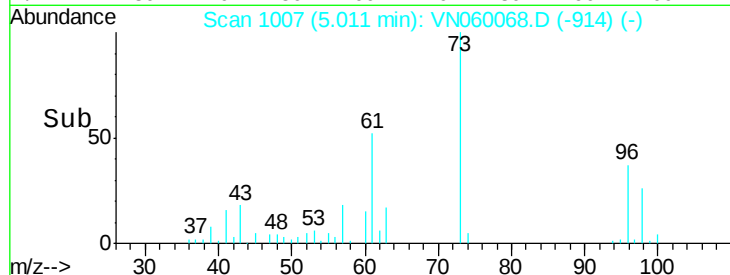
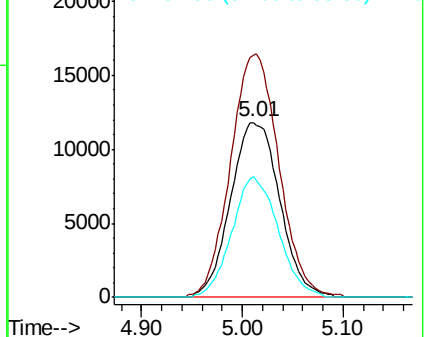
96 100

61 137.5 109.3 163.9

98 69.1 51.0 76.6



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: 19.663 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Tgt Ion: 45 Resp: 116921

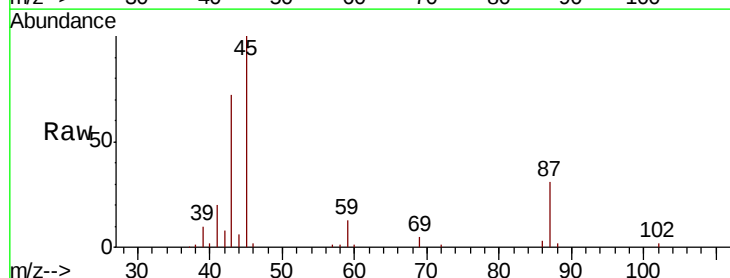
Ion Ratio Lower Upper

45 100

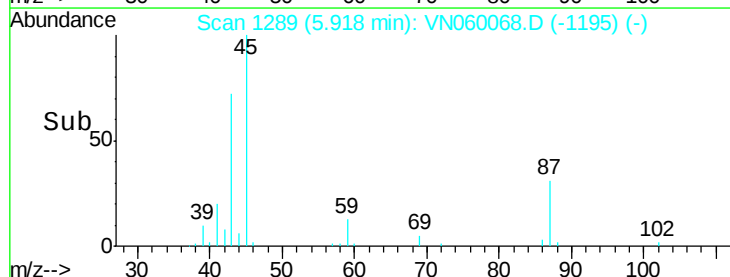
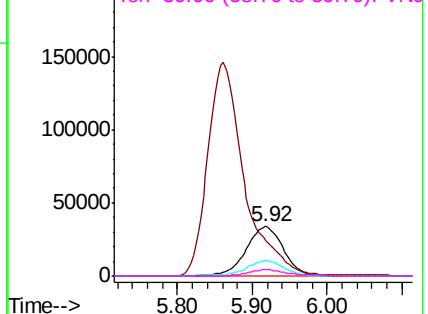
43 69.4 55.9 83.9

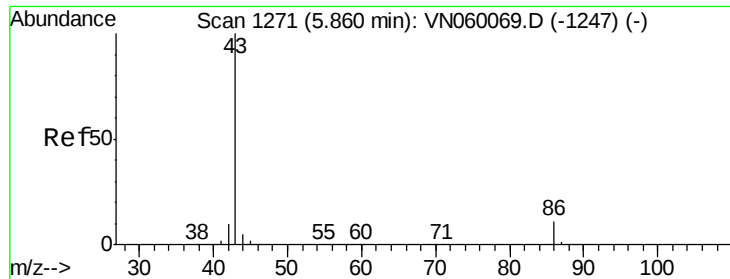
87 31.1 24.5 36.7

59 12.7 9.9 14.9



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

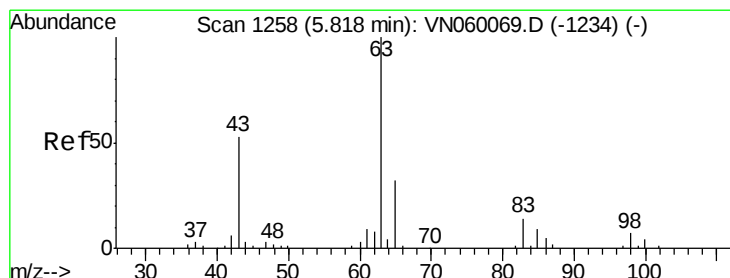
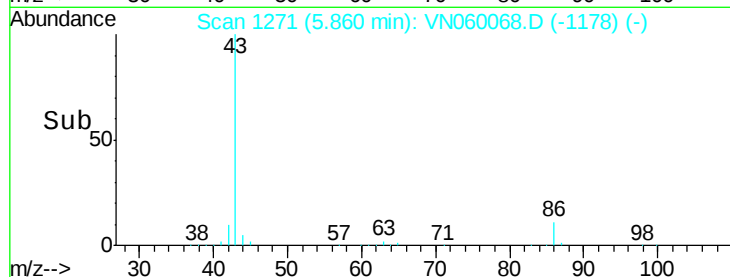
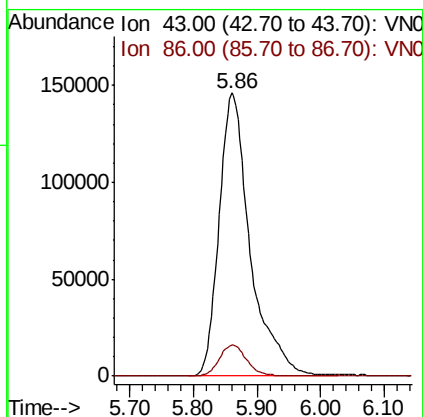
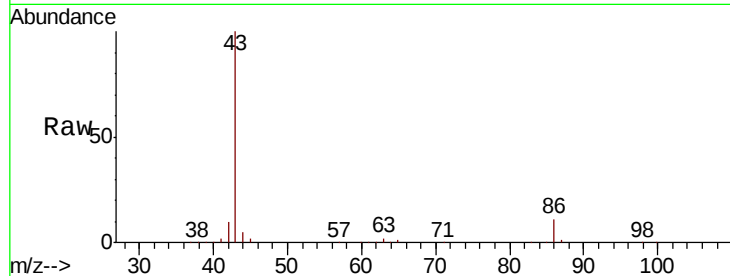




#23
 Vinyl Acetate
 Concen: 100.987 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

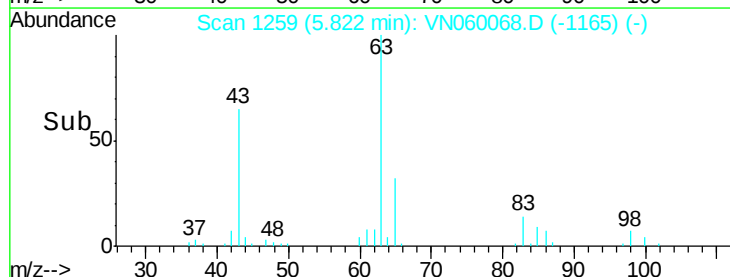
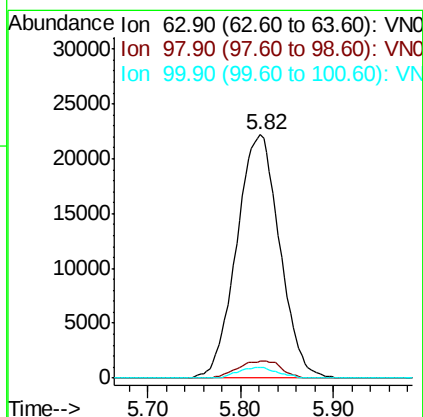
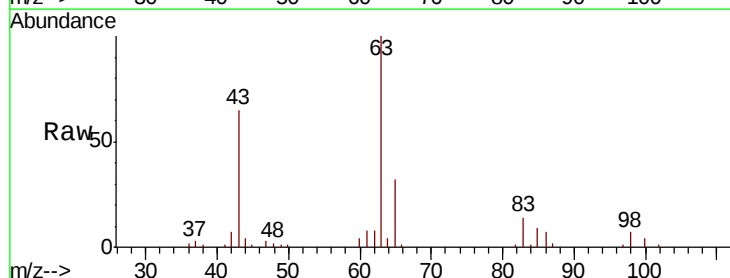
Instrument :
 MSVOA_N
 ClientSampleId :

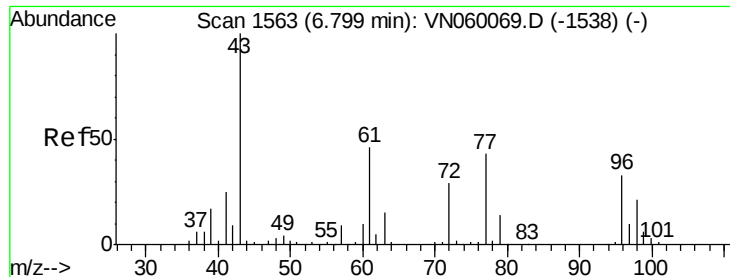
Tot Ion: 43 Resp: 497891
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 19.451 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion: 63 Resp: 71438
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.3 2.2 6.6

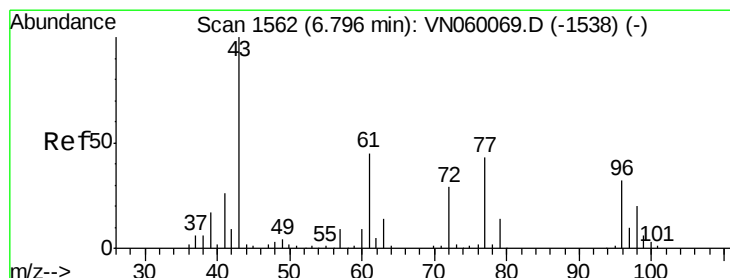
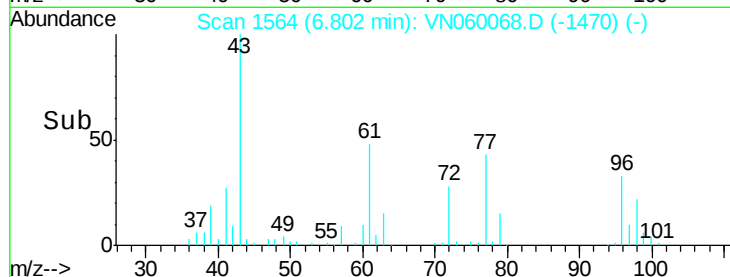
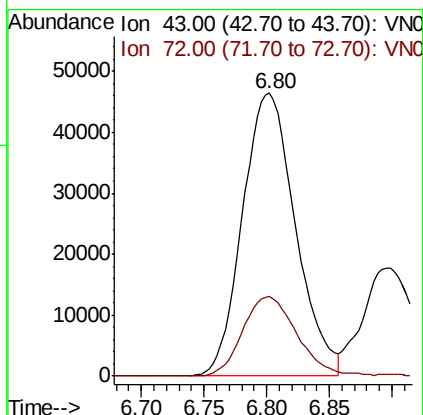
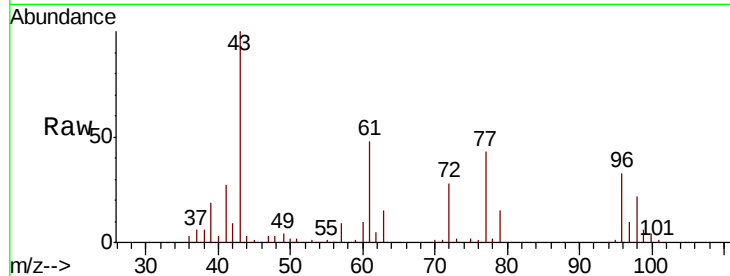




#25
2-Butanone
Concen: 106.571 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

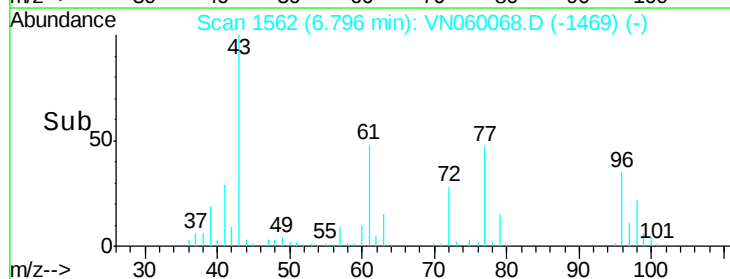
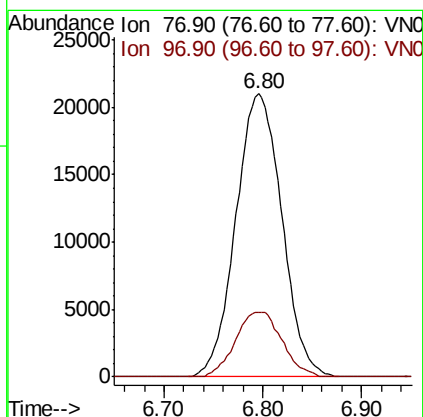
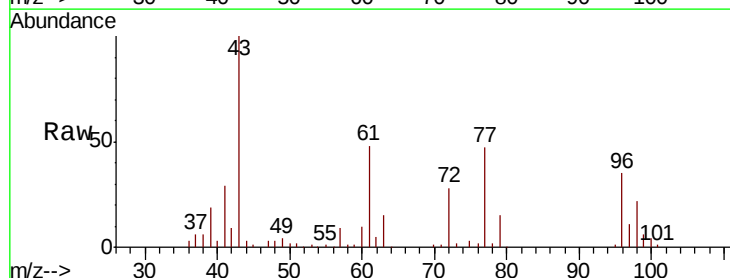
Instrument :
MSVOA_N
ClientSampled :

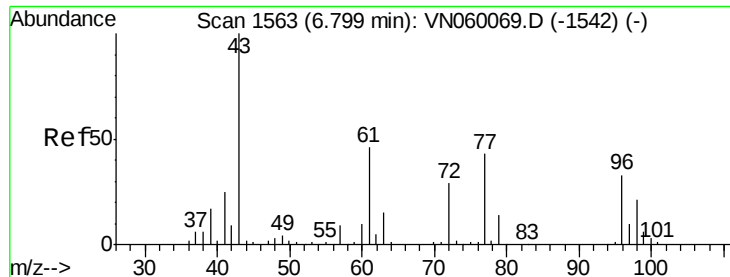
Tot Ion: 43 Resp: 136444
Ion Ratio Lower Upper
43 100
72 28.0 23.3 34.9



#26
2,2-Dichloropropane
Concen: 19.414 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 77 Resp: 67923
Ion Ratio Lower Upper
77 100
97 23.1 11.4 34.2

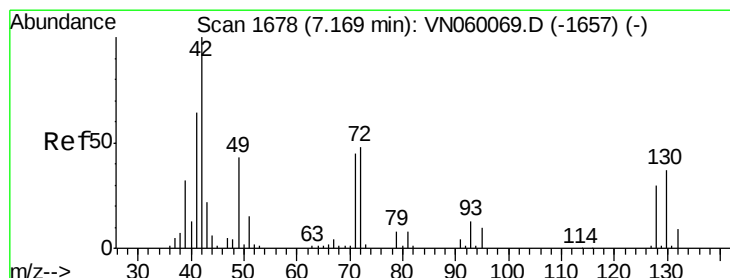
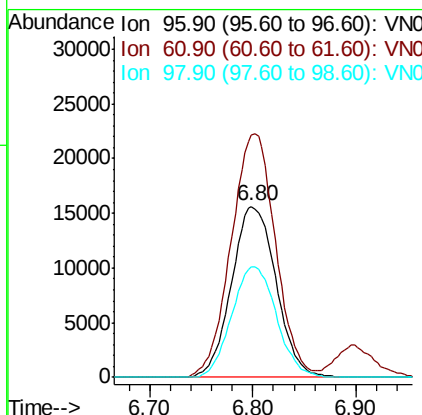
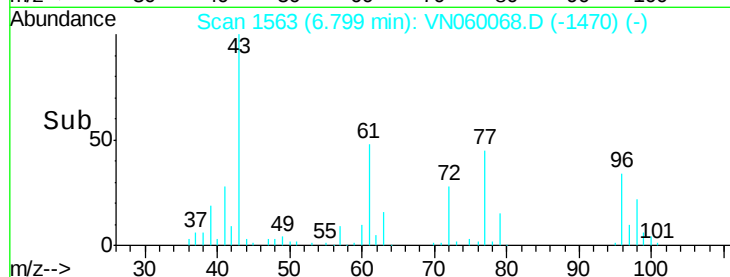
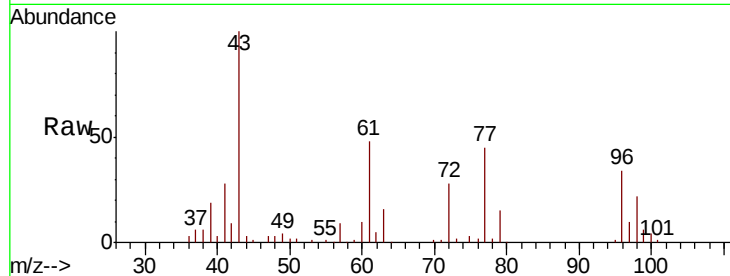




#27
 cis-1,2-Dichloroethene
 Concen: 22.140 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

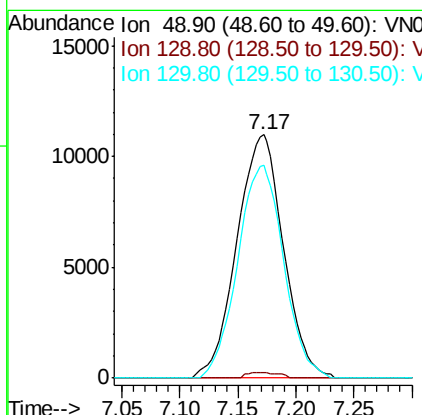
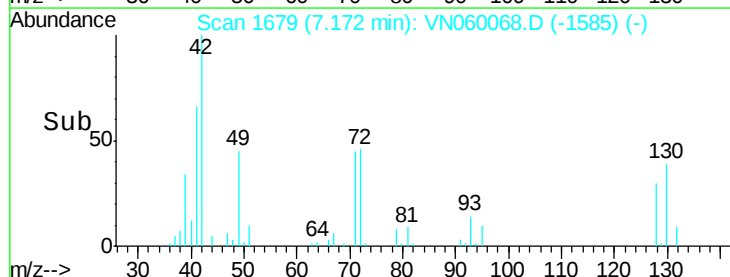
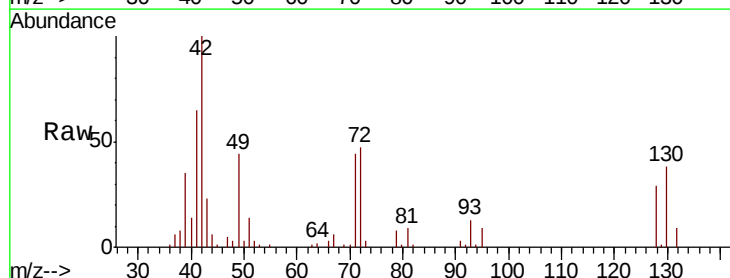
Instrument :
 MSVOA_N
 ClientSampled :

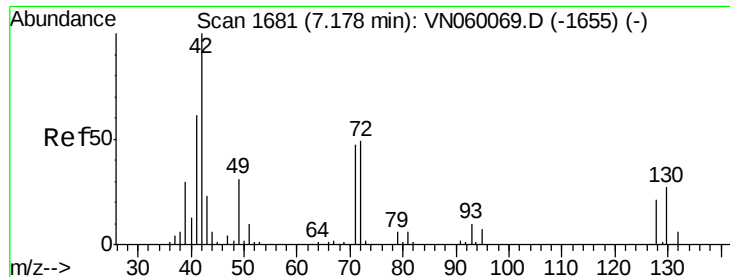
Tot Ion: 96 Resp: 46976
 Ion Ratio Lower Upper
 96 100
 61 142.0 0.0 285.8
 98 64.9 0.0 129.6



#28
 Bromochloromethane
 Concen: 23.840 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion: 49 Resp: 30598
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 2.2
 130 86.3 66.8 100.2

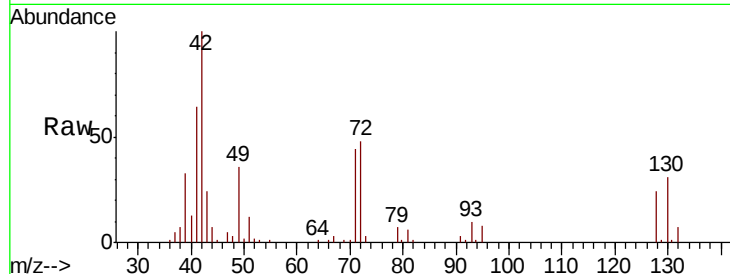




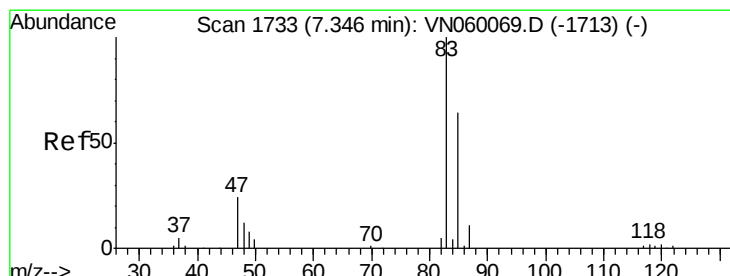
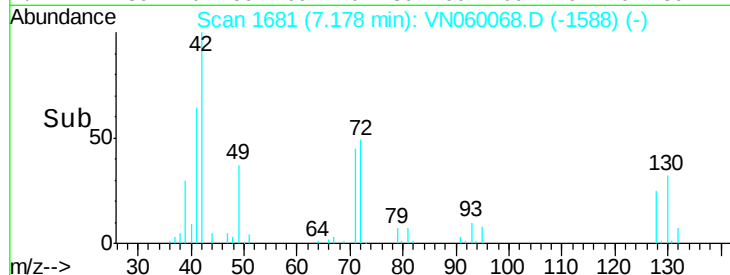
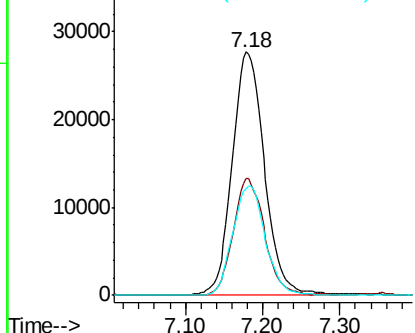
#29
Tetrahydrofuran
Concen: 101.421 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 80273
Ion Ratio Lower Upper
42 100
72 46.5 38.2 57.4
71 45.1 36.6 54.8

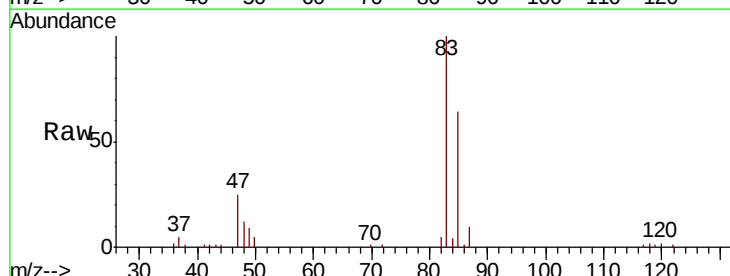


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

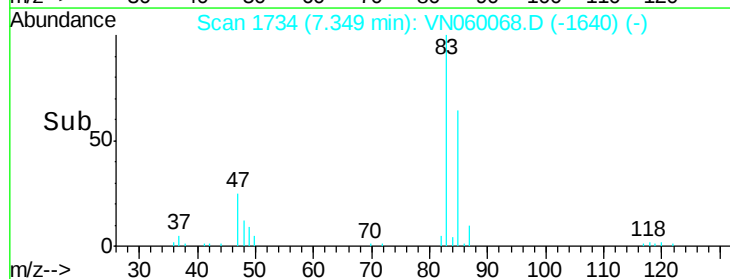
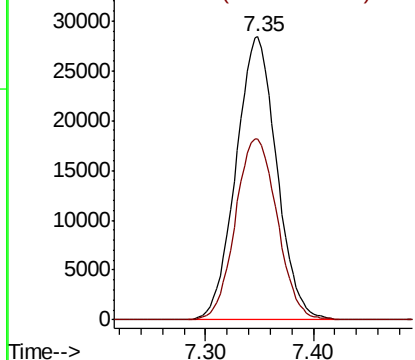


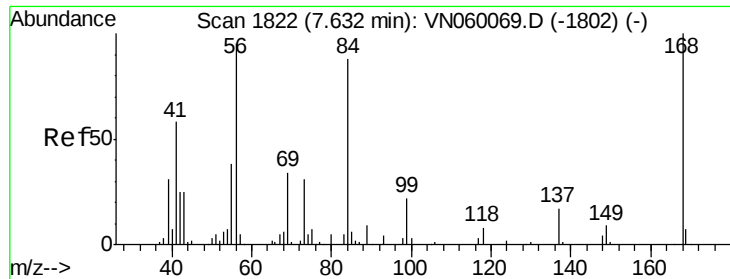
#30
Chloroform
Concen: 19.386 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 83 Resp: 74640
Ion Ratio Lower Upper
83 100
85 63.9 51.4 77.0



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

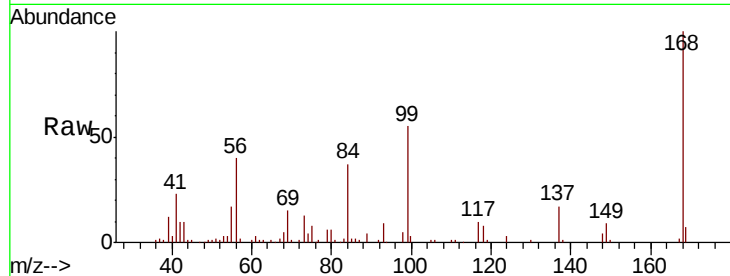




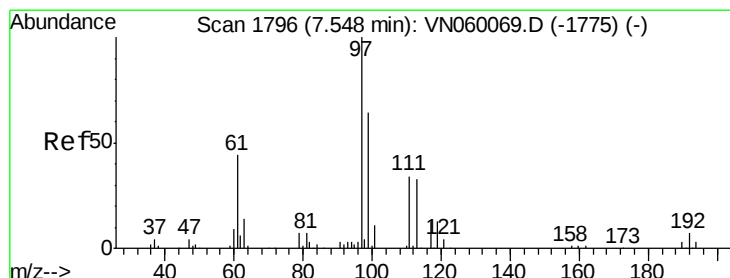
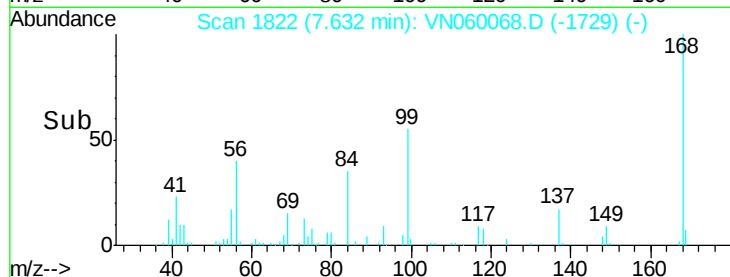
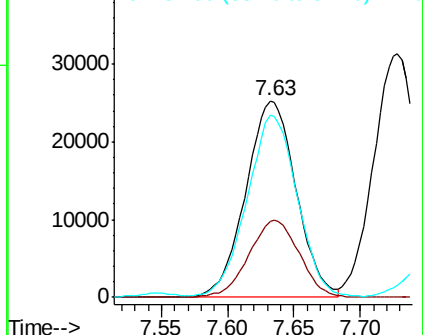
#31
Cyclohexane
Concen: 19.019 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 66890
Ion Ratio Lower Upper
56 100
69 38.5 28.3 42.5
84 91.4 72.6 108.8

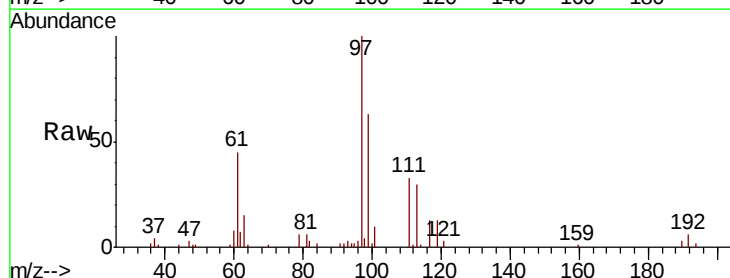


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

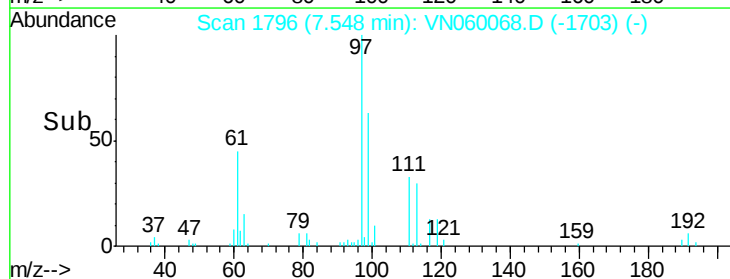
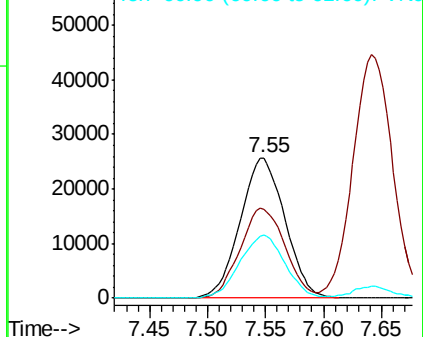


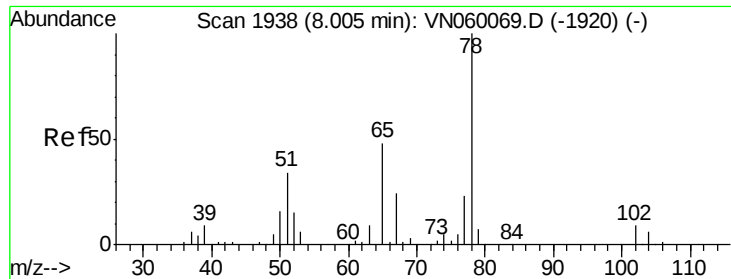
#32
1,1,1-Trichloroethane
Concen: 19.667 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 97 Resp: 69008
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.0
61 45.4 34.9 52.3



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

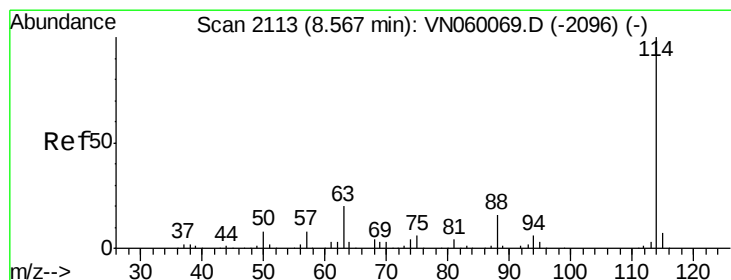
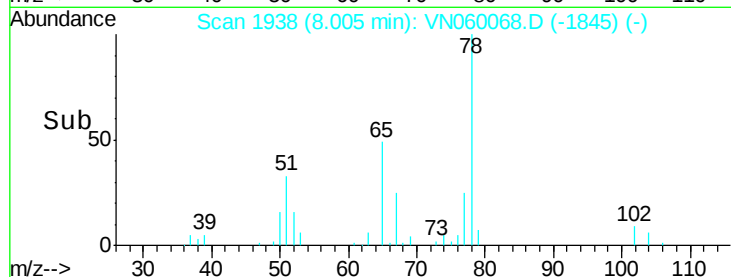
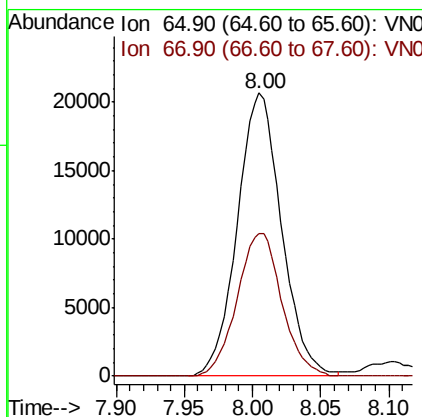
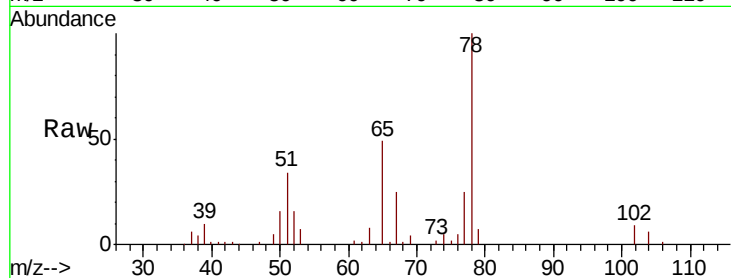




#33
 1,2-Dichloroethane-d4
 Concen: 19.474 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

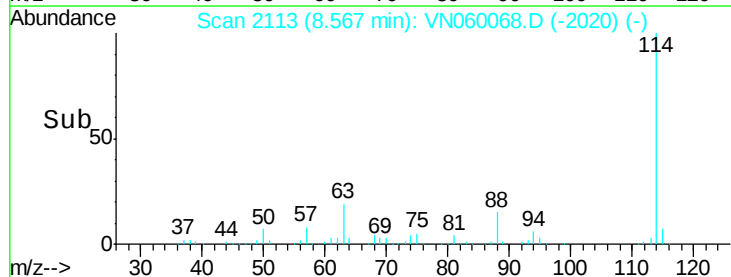
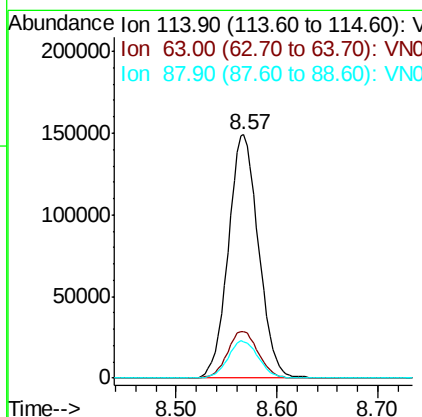
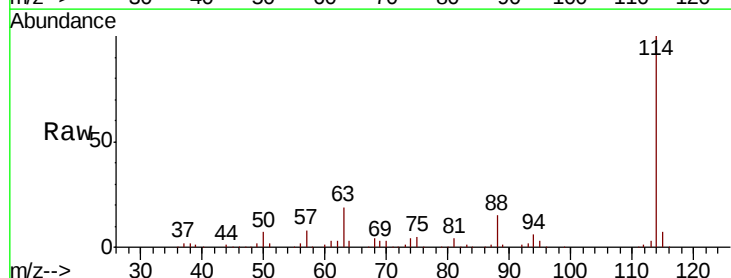
Instrument :
 MSVOA_N
 ClientSampleId :

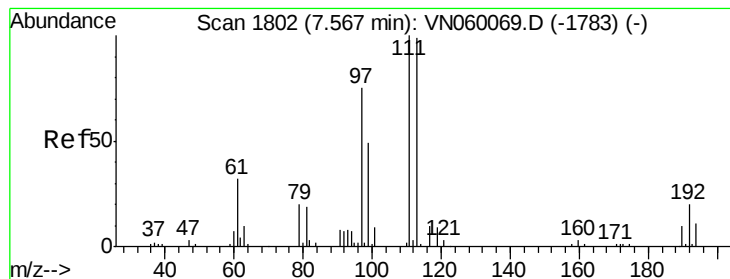
Tot Ion: 65 Resp: 46505
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion: 114 Resp: 310923
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 19.623 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

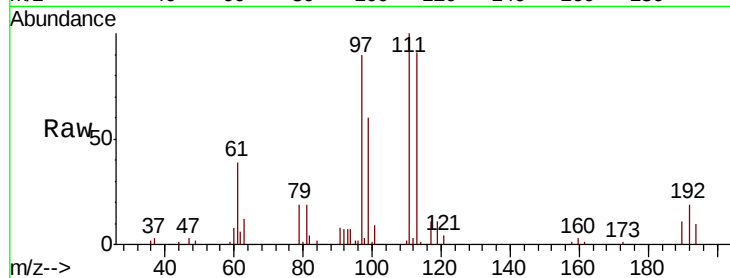
Tot Ion:113 Resp: 36394

Ion Ratio Lower Upper

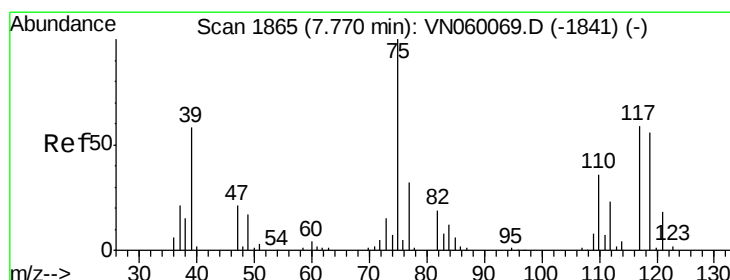
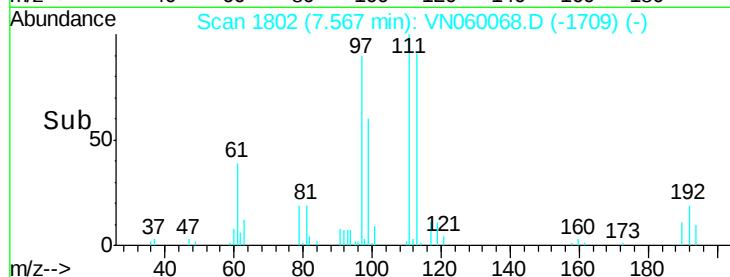
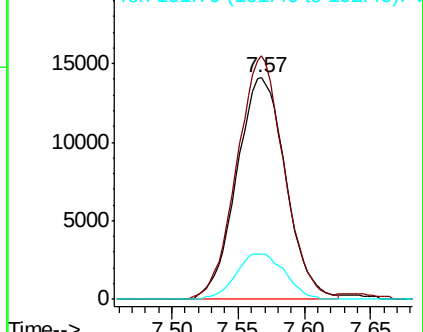
113 100

111 105.3 81.4 122.2

192 20.4 16.2 24.2



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



#36

1,1-Dichloropropene

Concen: 19.584 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

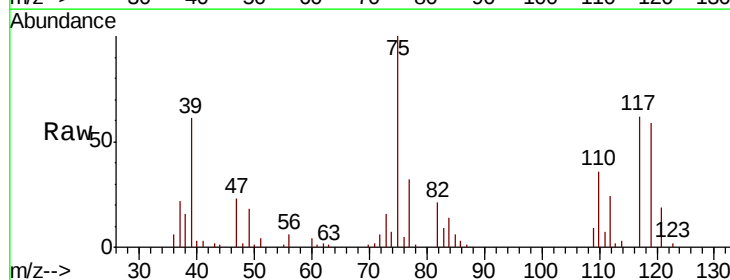
Tgt Ion: 75 Resp: 56363

Ion Ratio Lower Upper

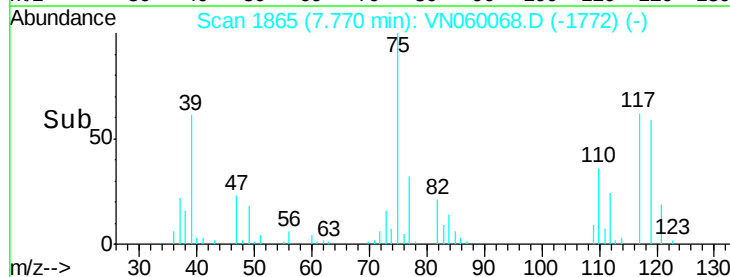
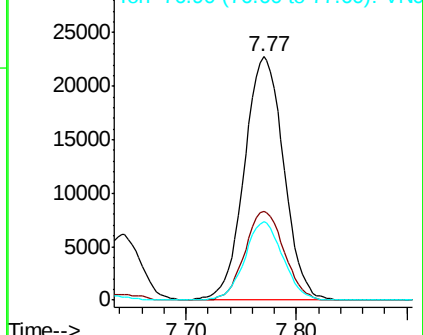
75 100

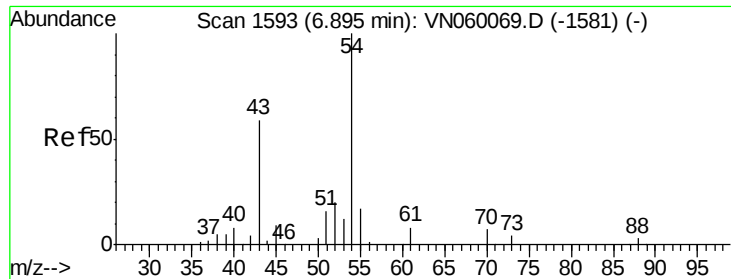
110 36.2 18.1 54.3

77 31.1 25.1 37.7



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

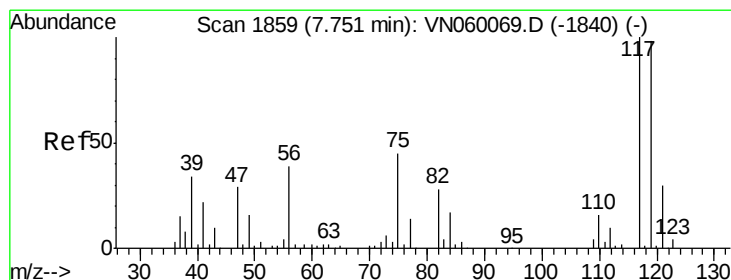
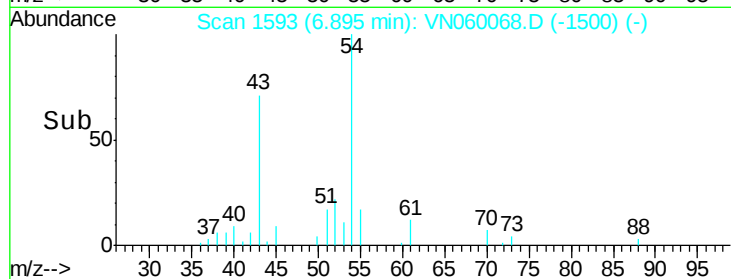
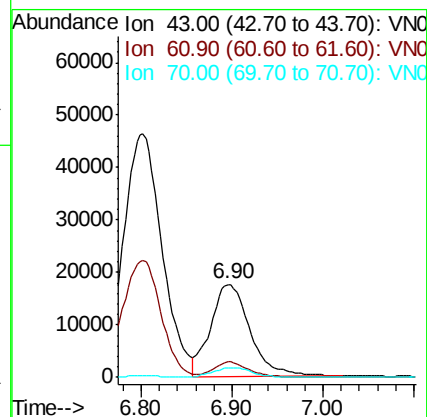
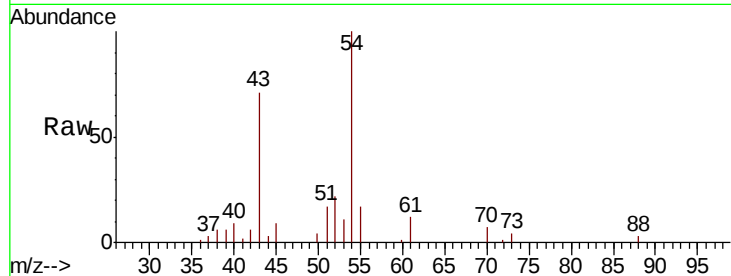




#37
Ethyl Acetate
Concen: 21.081 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

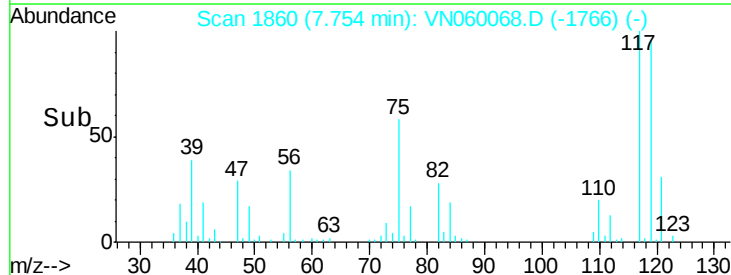
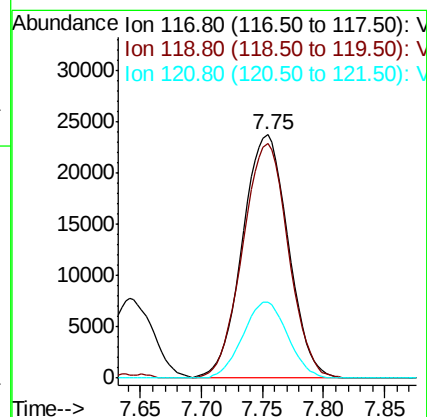
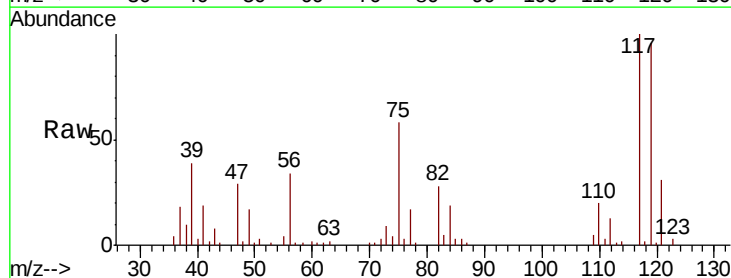
Instrument :
MSVOA_N
ClientSampled :

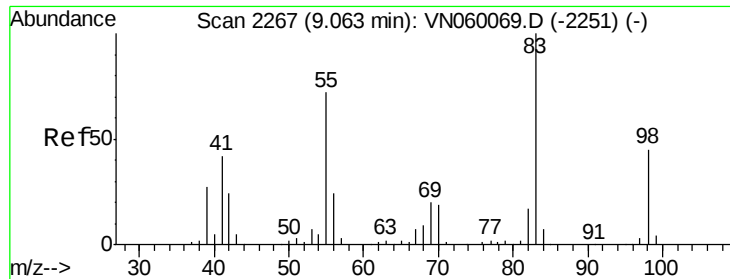
Tot Ion: 43 Resp: 53275
Ion Ratio Lower Upper
43 100
61 14.6 11.4 17.2
70 10.1 8.7 13.1



#38
Carbon Tetrachloride
Concen: 19.757 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 117 Resp: 61692
Ion Ratio Lower Upper
117 100
119 96.2 78.2 117.4
121 31.4 24.2 36.2

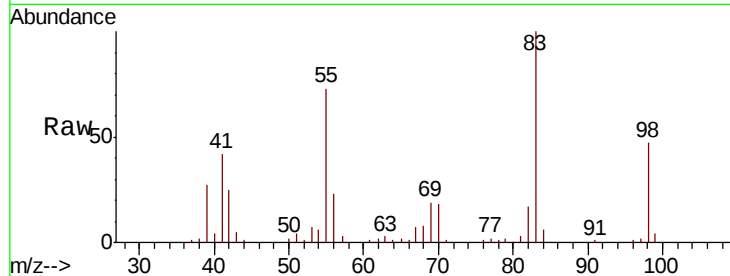




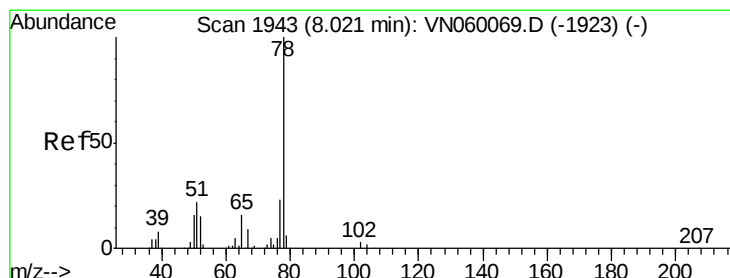
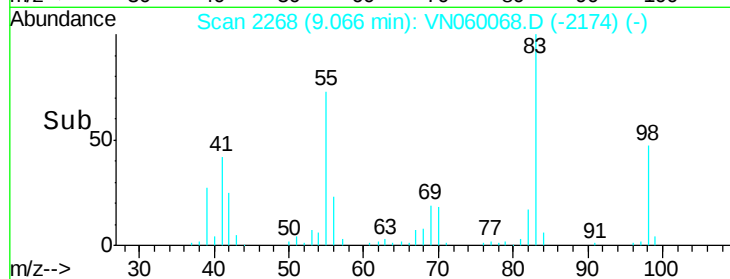
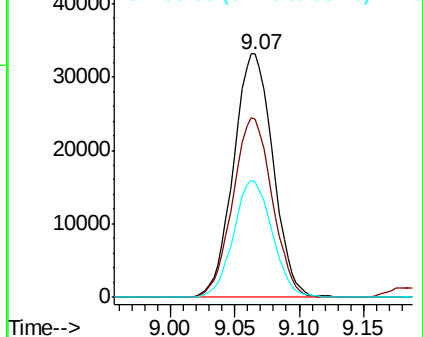
#39
Methvlcvclohexane
Concen: 19.785 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 70557
Ion Ratio Lower Upper
83 100
55 73.2 57.8 86.8
98 47.4 36.4 54.6

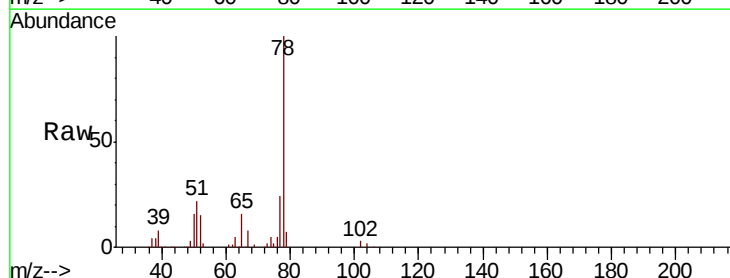


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

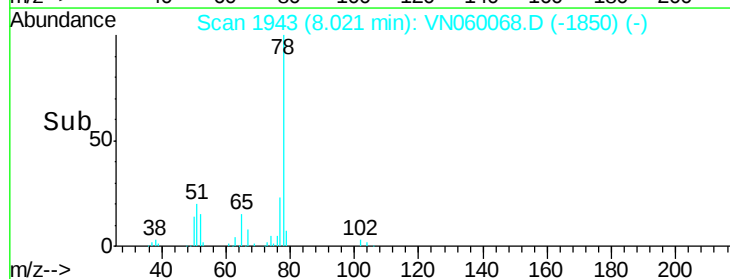
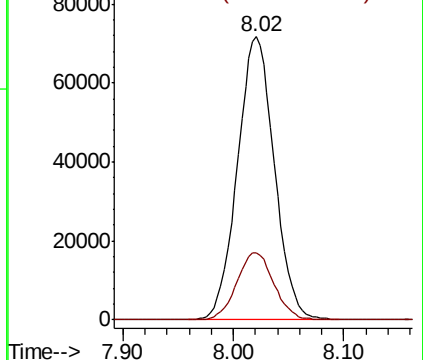


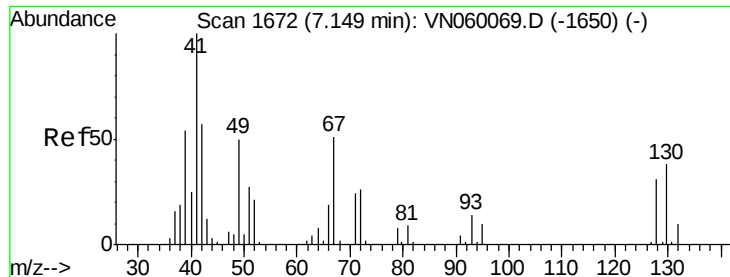
#40
Benzene
Concen: 19.316 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 78 Resp: 166209
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

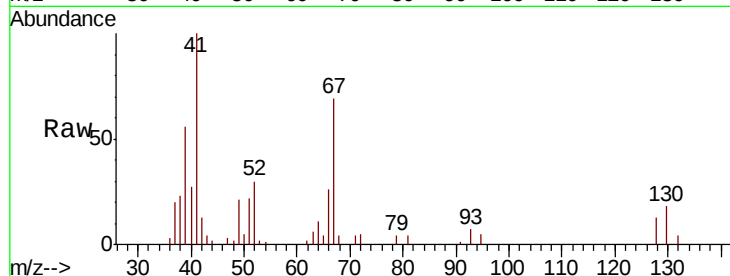




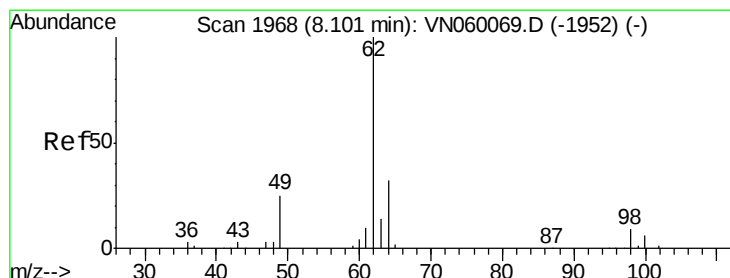
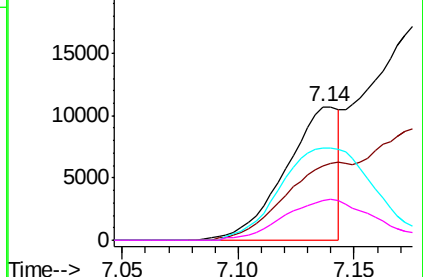
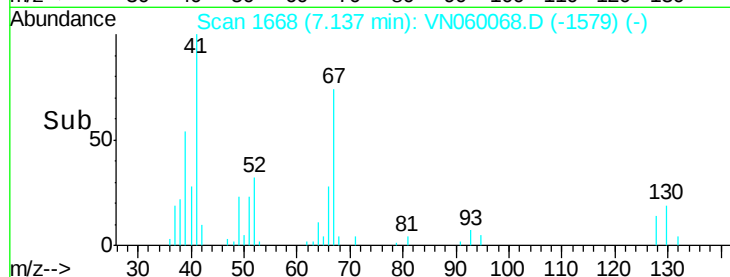
#41
Methacrylonitrile
Concen: 10.312 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 17094
Ion Ratio Lower Upper
41 100
39 73.2 0.0 0.0#
67 126.0 0.0 0.0#
52 52.5 0.0 0.0#

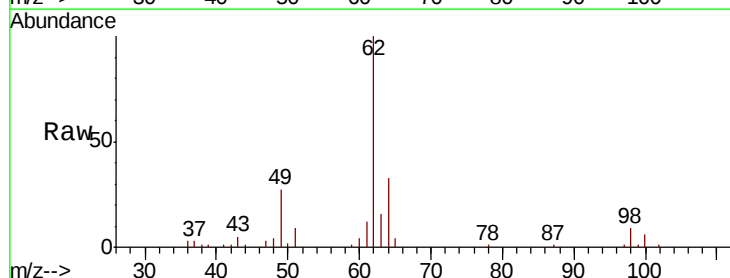


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

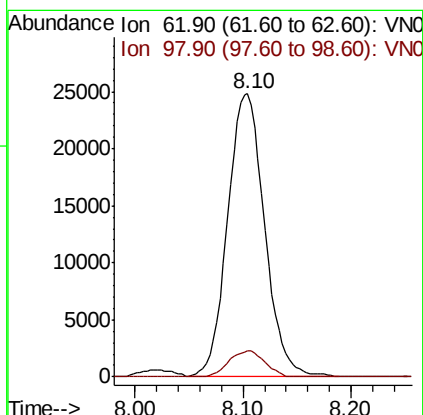
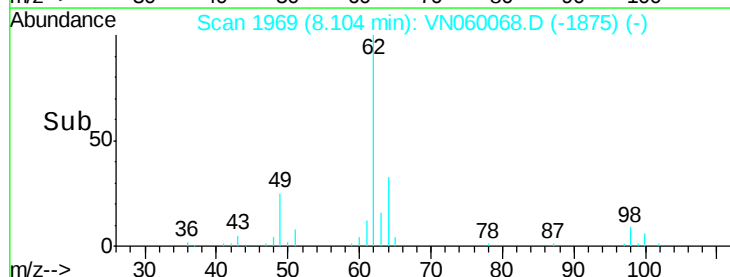


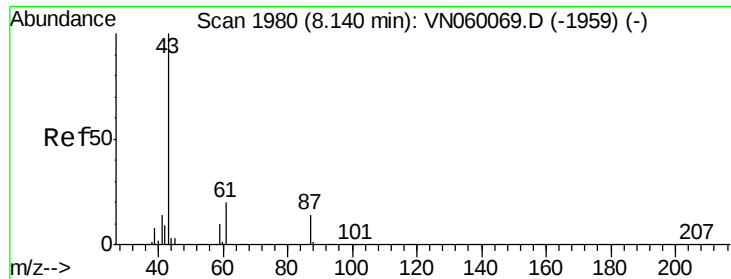
#42
1,2-Dichloroethane
Concen: 19.906 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 62 Resp: 59302
Ion Ratio Lower Upper
62 100
98 8.9 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

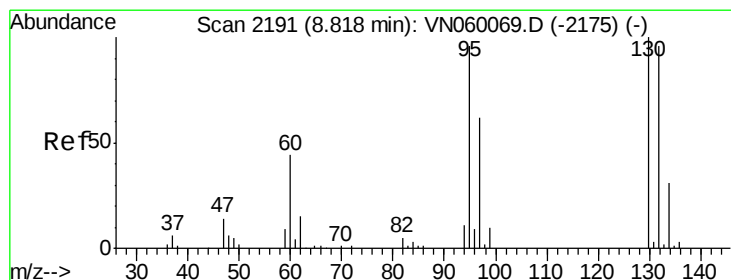
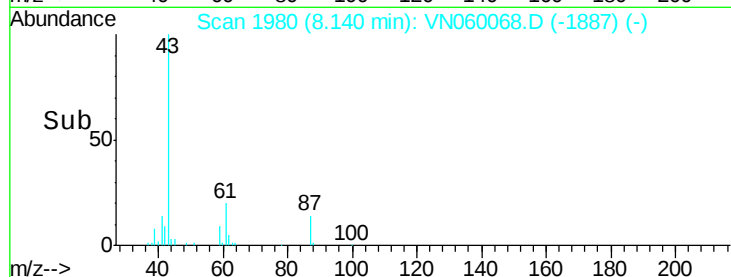
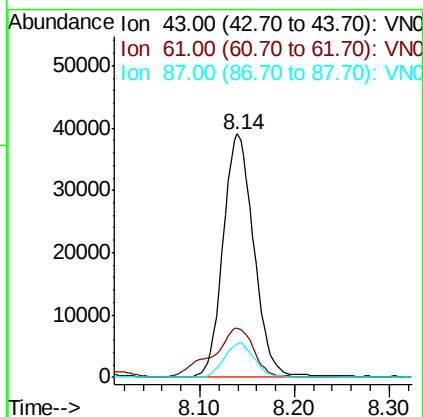
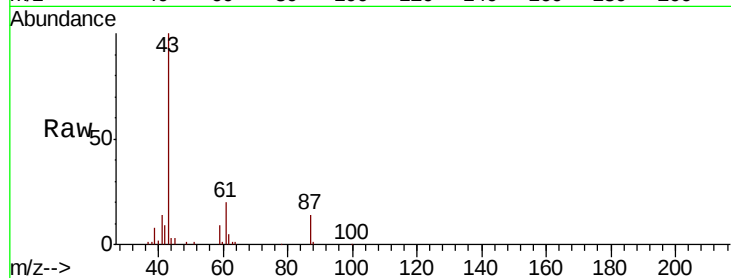




#43
Isopropyl Acetate
Concen: 20.352 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

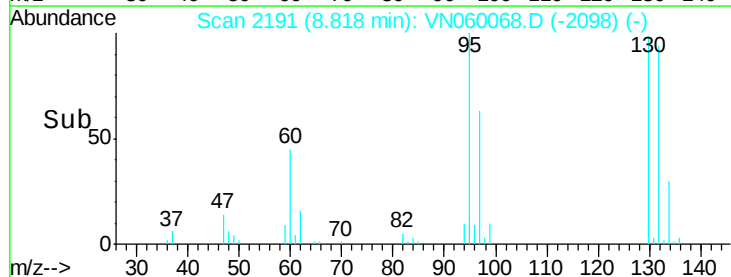
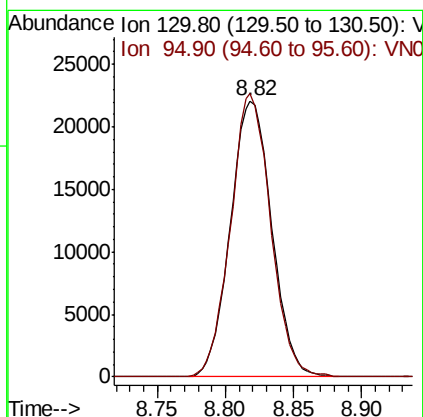
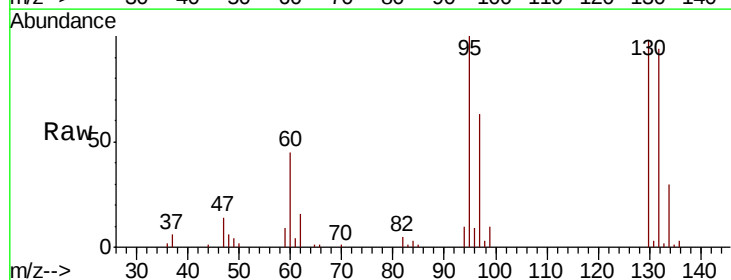
Instrument :
MSVOA_N
ClientSampled :

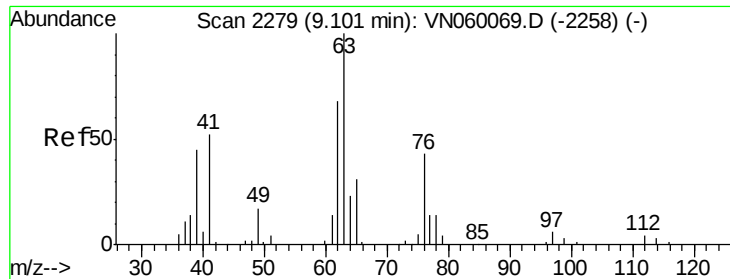
Tot Ion: 43 Resp: 88275
Ion Ratio Lower Upper
43 100
61 26.9 21.8 32.6
87 13.7 11.4 17.2



#44
Trichloroethene
Concen: 19.451 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 130 Resp: 46438
Ion Ratio Lower Upper
130 100
95 102.5 0.0 192.4

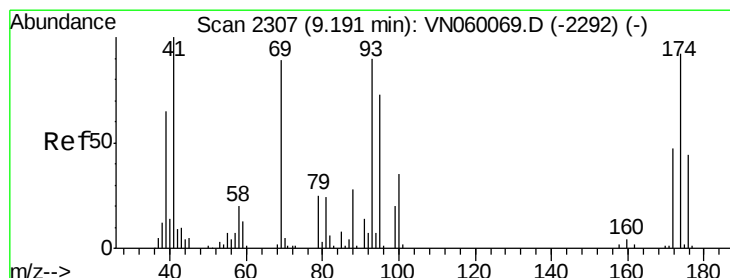
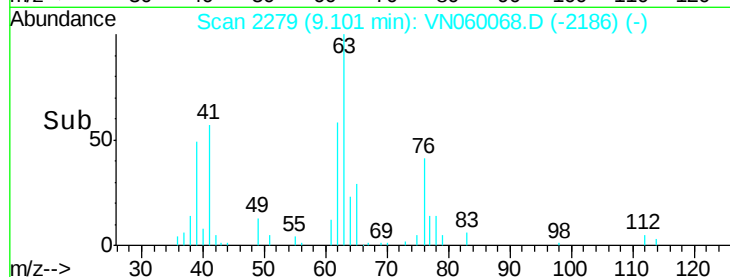
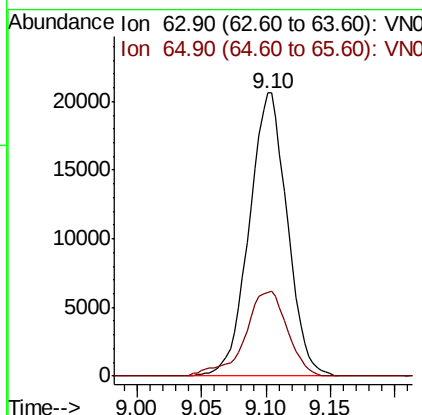
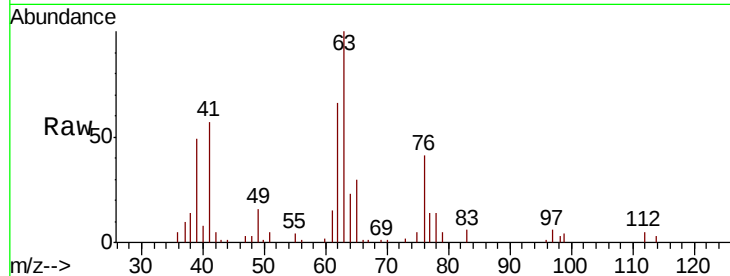




#45
 1,2-Dichloropropane
 Concen: 20.125 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

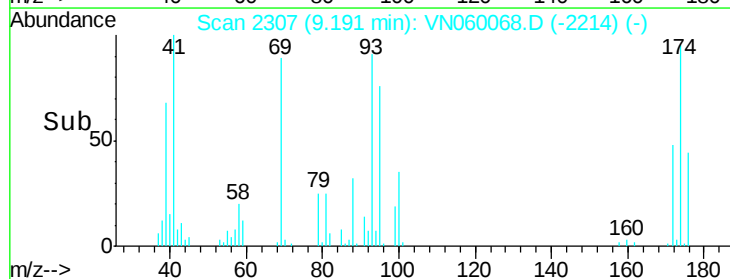
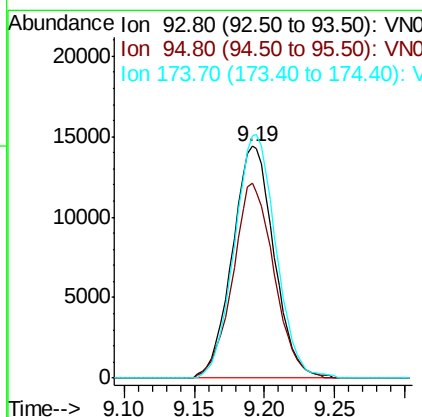
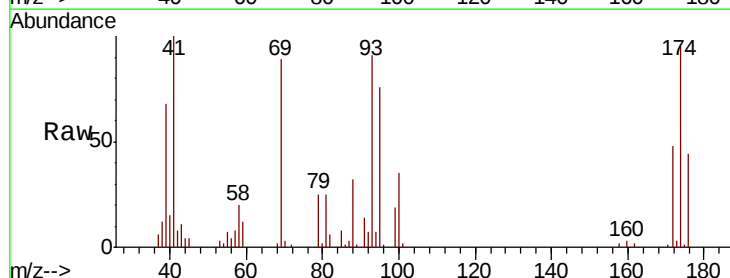
Instrument :
 MSVOA_N
 ClientSampled :

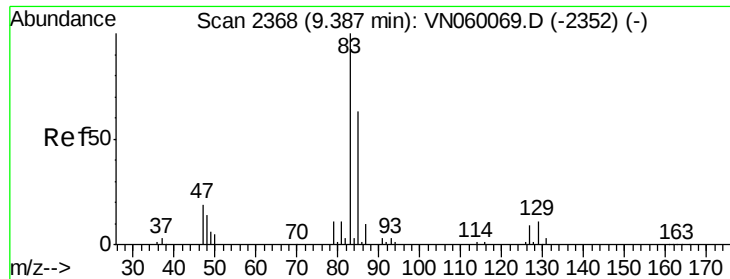
Tot Ion: 63 Resp: 42474
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.4



#46
 Dibromomethane
 Concen: 20.061 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion: 93 Resp: 29754
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.0 97.6
 174 104.6 82.3 123.5





#47

Bromodichloromethane

Concen: 19.873 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

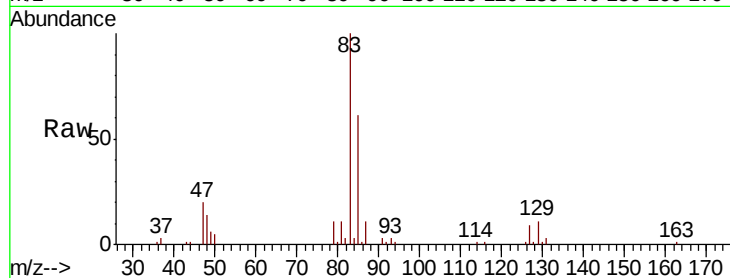
Tot Ion: 83 Resp: 59804

Ion Ratio Lower Upper

83 100

85 61.0 50.6 75.8

127 9.0 7.0 10.6

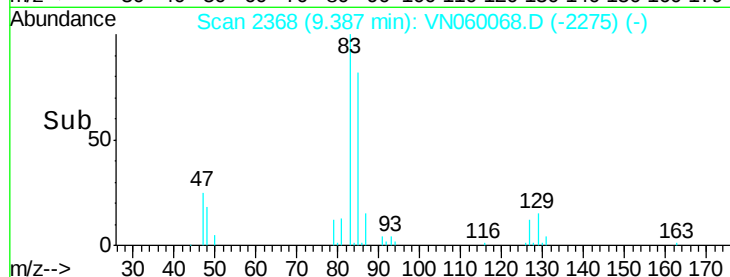


Abundance Ion 82.90 (82.60 to 83.60): VN060068.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060068.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060068.D (-2275) (-)

Time-->



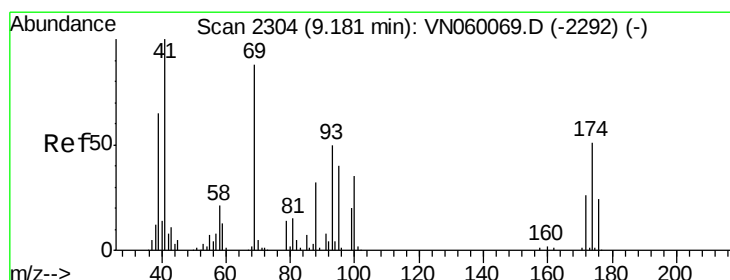
Abundance

Ion 82.90 (82.60 to 83.60): VN060068.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060068.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060068.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 19.613 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

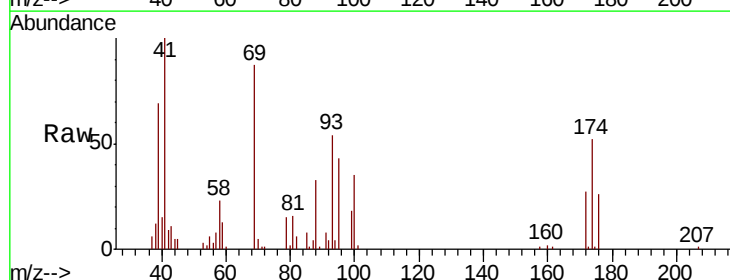
Tgt Ion: 41 Resp: 37721

Ion Ratio Lower Upper

41 100

69 90.8 72.0 108.0

39 67.5 54.1 81.1

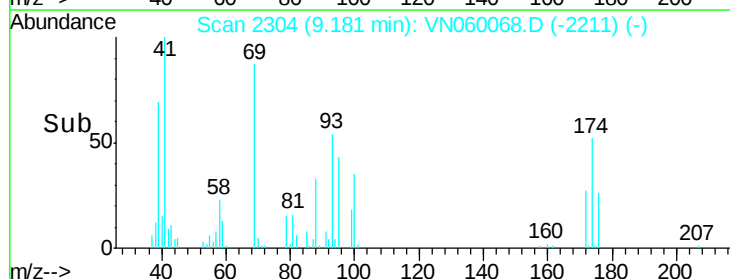


Abundance Ion 41.00 (40.70 to 41.70): VN060068.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060068.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060068.D (-2211) (-)

Time-->



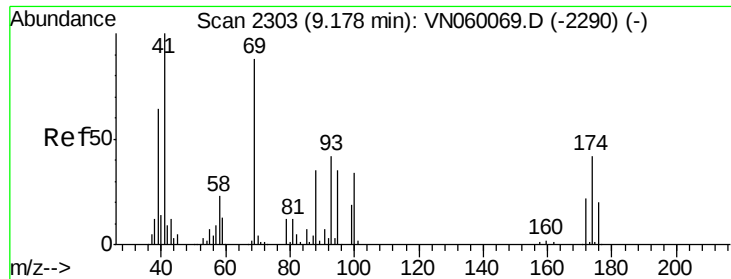
Abundance

Ion 41.00 (40.70 to 41.70): VN060068.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060068.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060068.D (-2211) (-)

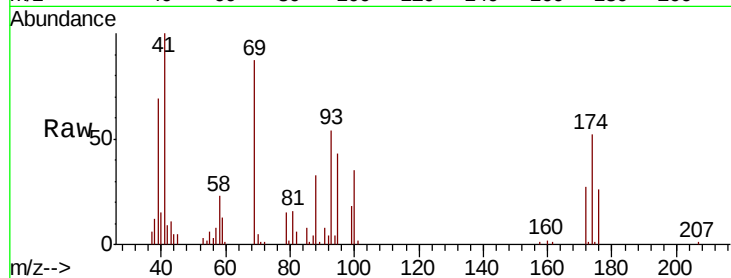
Time-->



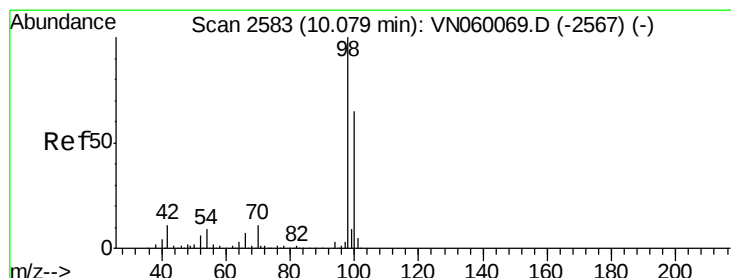
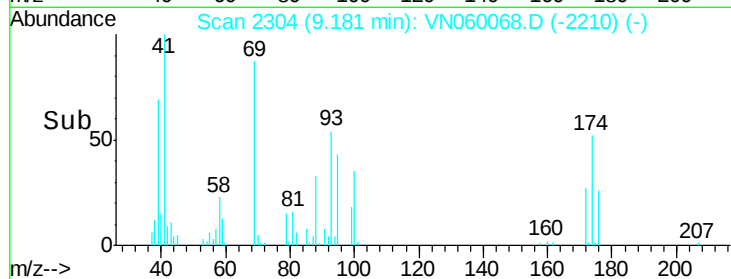
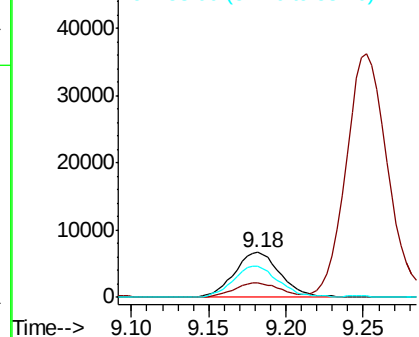
#49
1,4-Dioxane
Concen: 430.662 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 13898
Ion Ratio Lower Upper
88 100
43 32.6 26.2 39.2
58 68.0 53.2 79.8

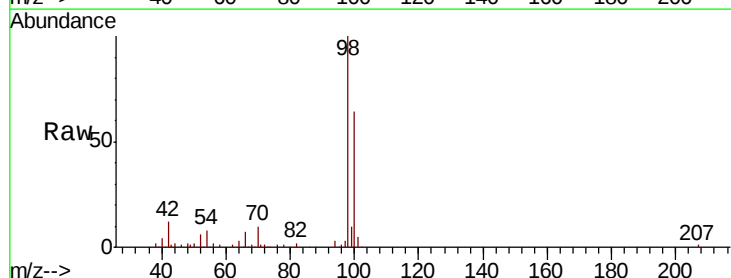


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

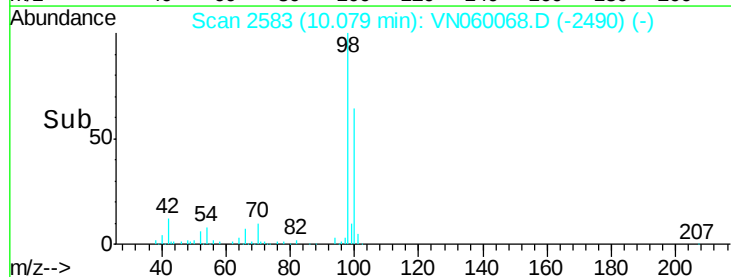
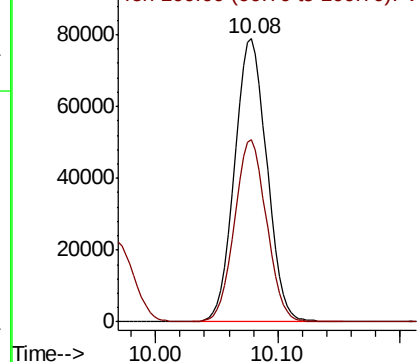


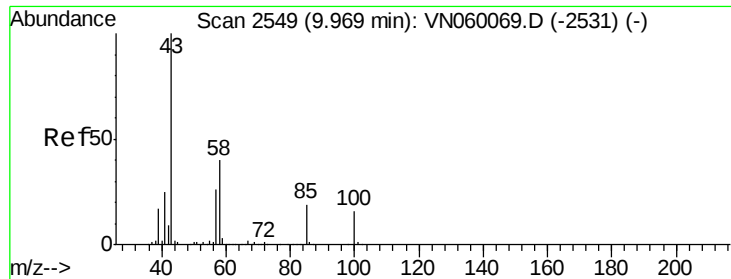
#50
Toluene-d8
Concen: 19.748 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 98 Resp: 145280
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 103.020 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

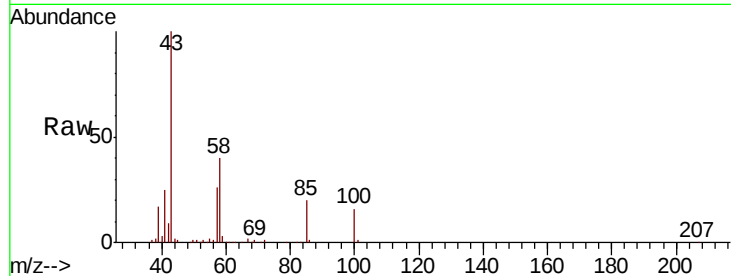
ClientSampleId :

Tot Ion: 43 Resp: 256928

Ion Ratio Lower Upper

43 100

58 39.4 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D

Ion 58.00 (57.70 to 58.70): VN060069.D

9.97

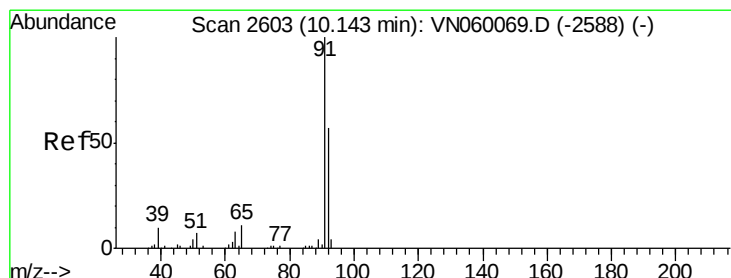
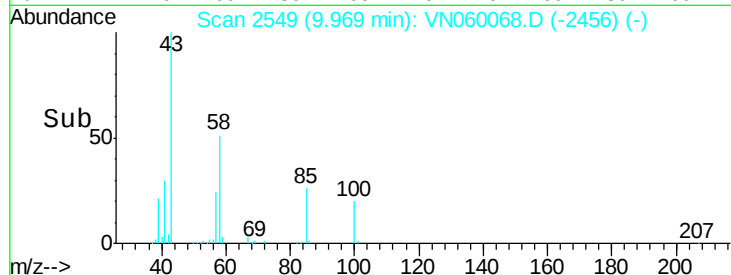
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.525 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060068.D

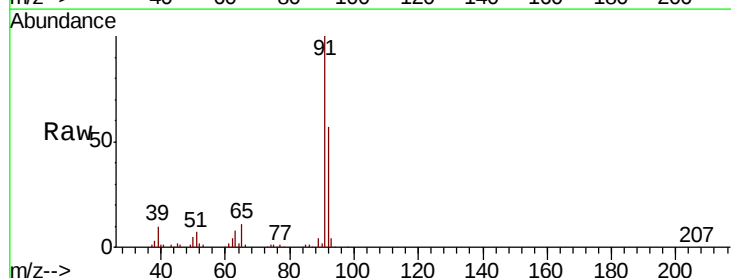
Acq: 12 Feb 2020 12:05

Tgt Ion: 92 Resp: 106006

Ion Ratio Lower Upper

92 100

91 175.1 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D

Ion 91.00 (90.70 to 91.70): VN060069.D

120000

100000

80000

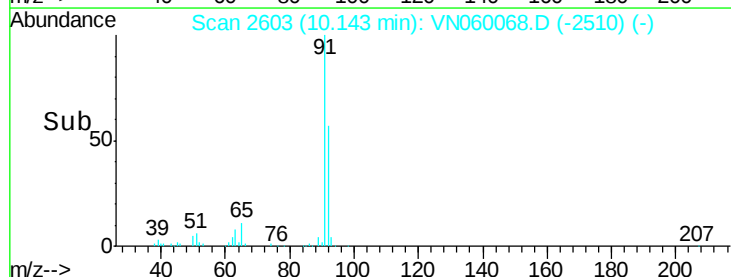
60000

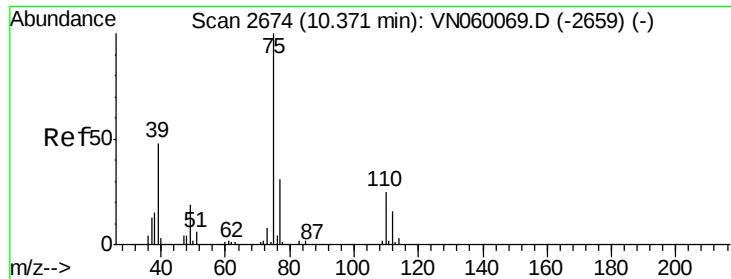
40000

20000

0

Time-->

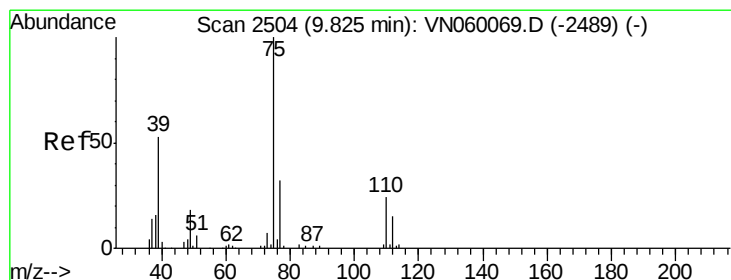
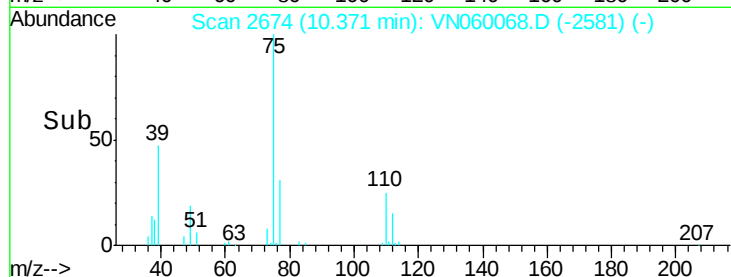
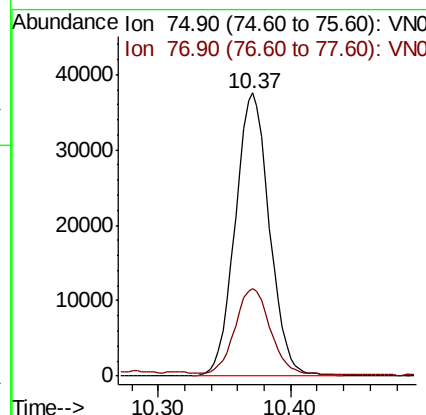
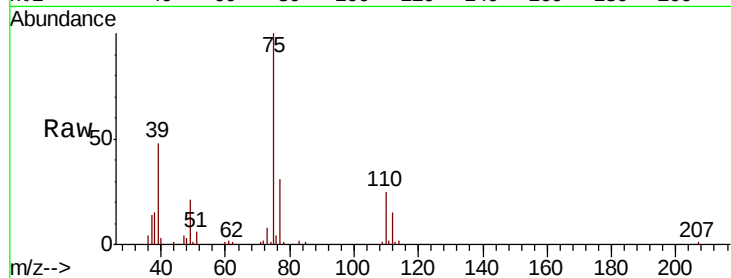




#53
t-1,3-Dichloropropene
Concen: 20.222 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

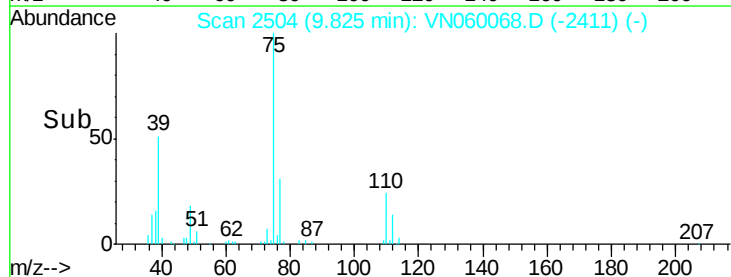
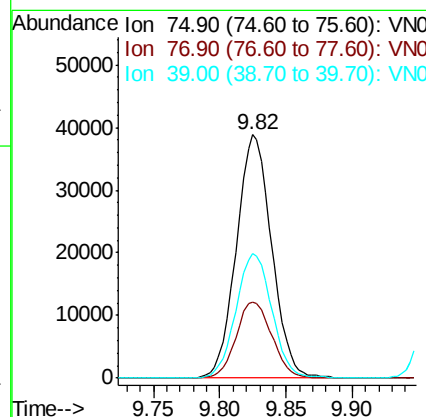
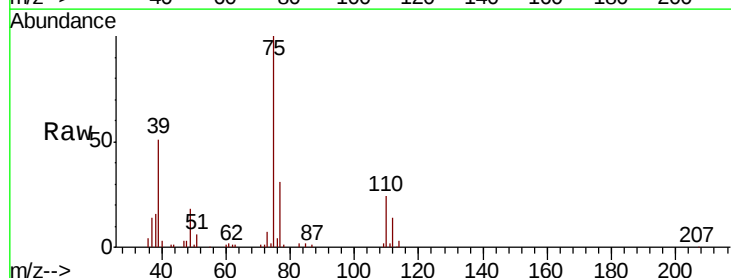
Instrument :
MSVOA_N
ClientSampleId :

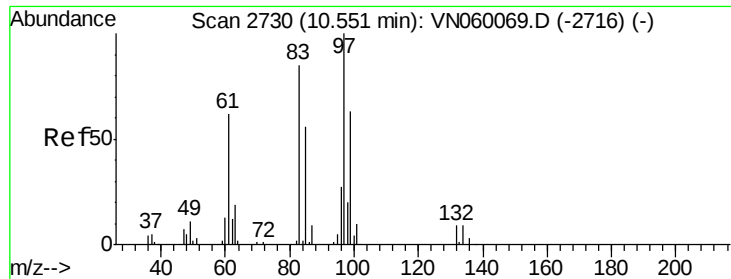
Tot Ion: 75 Resp: 67321
Ion Ratio Lower Upper
75 100
77 30.4 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 20.174 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 75 Resp: 71785
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4
39 51.1 42.2 63.4

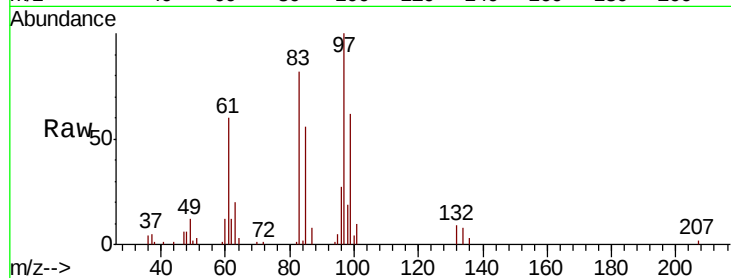




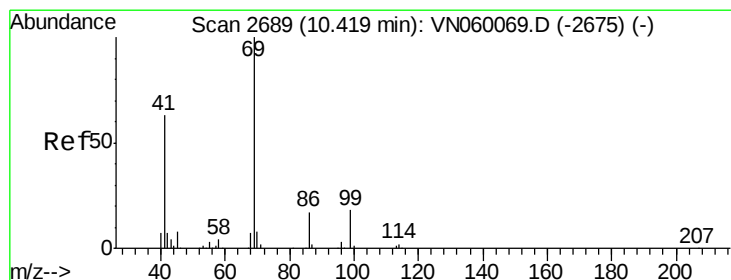
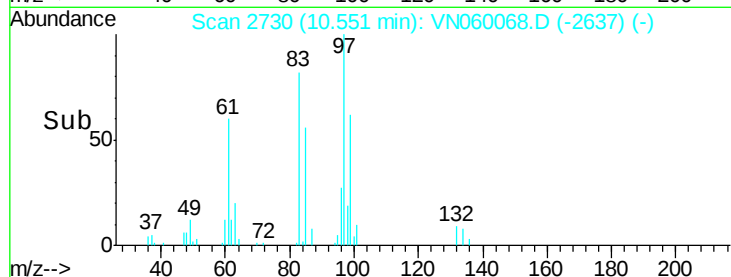
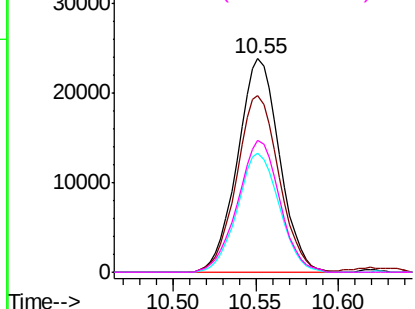
#55
 1,1,2-Trichloroethane
 Concen: 19.680 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	41973
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.9	101.9
85	55.7	44.6	67.0
99	61.5	50.1	75.1

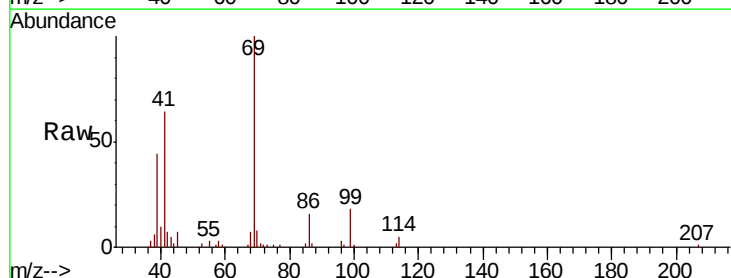


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

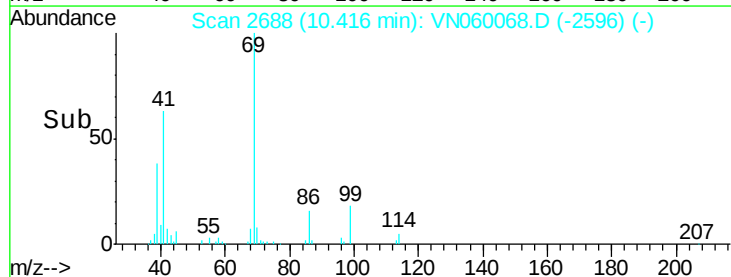
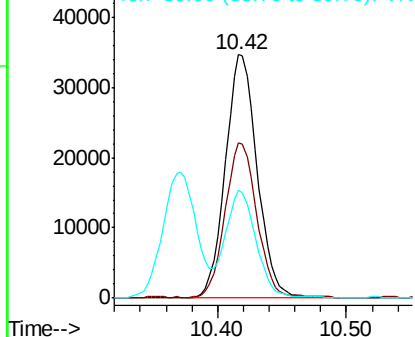


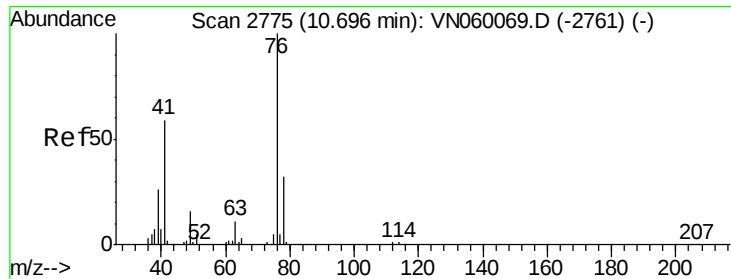
#56
 Ethyl methacrylate
 Concen: 20.876 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion:	69	Resp:	59232
Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.1	76.7
39	42.8	33.8	50.8



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

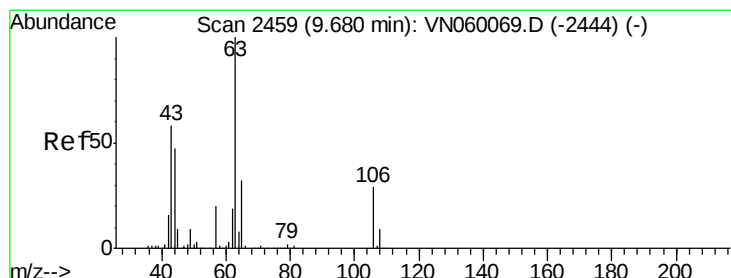
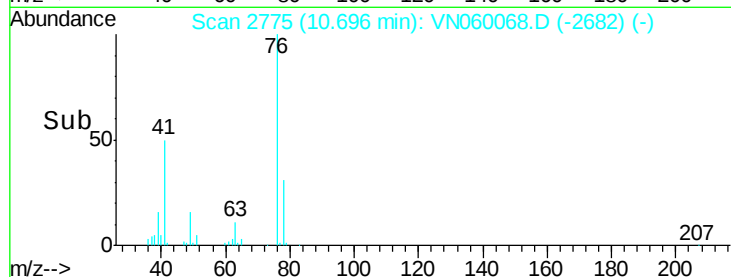
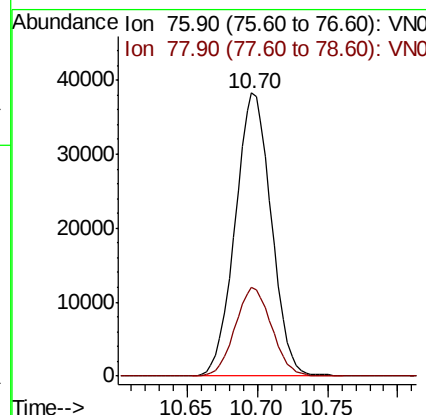
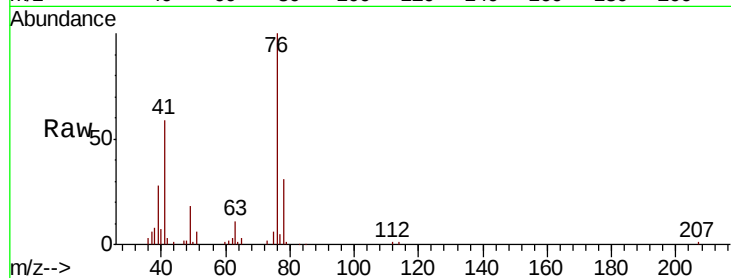




#57
 1,3-Dichloropropane
 Concen: 19.462 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

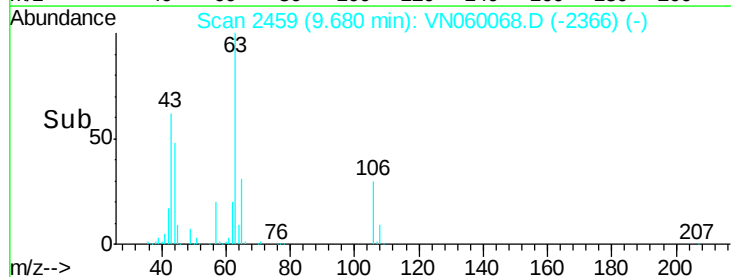
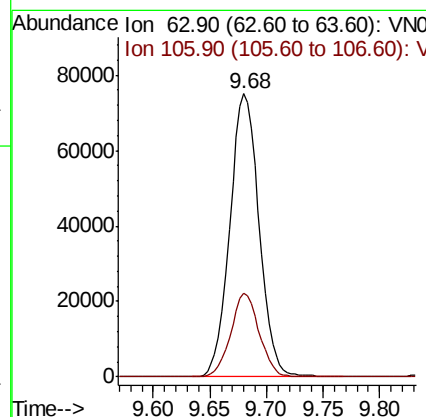
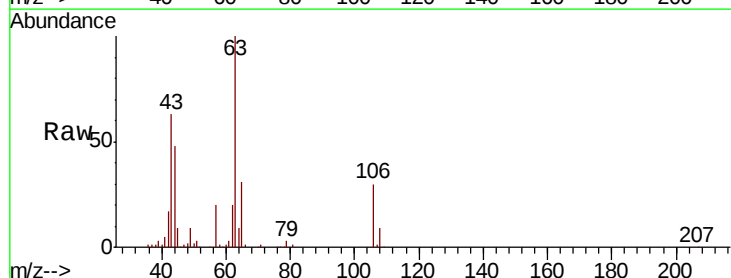
Instrument :
 MSVOA_N
 ClientSampled :

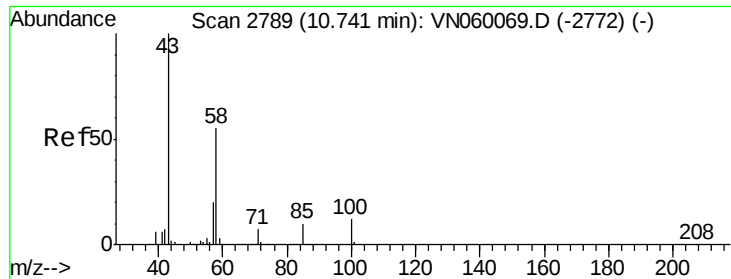
Tot Ion: 76 Resp: 68627
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.144 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion: 63 Resp: 135301
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.9 34.3

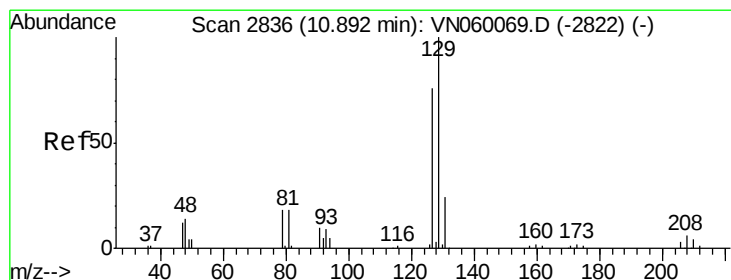
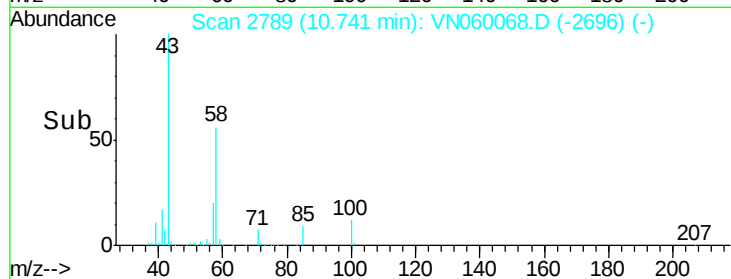
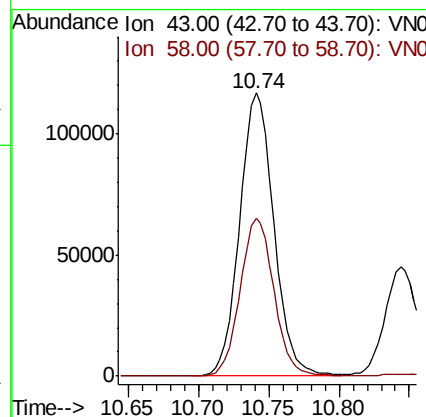
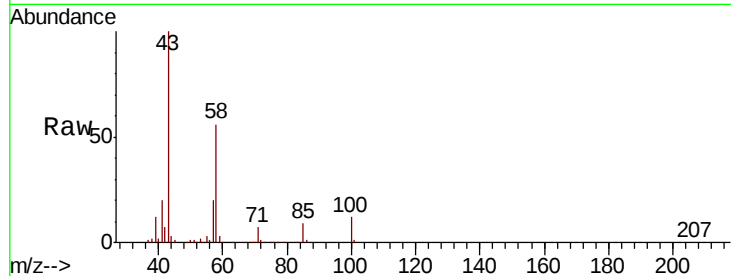




#59
2-Hexanone
Concen: 104.764 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

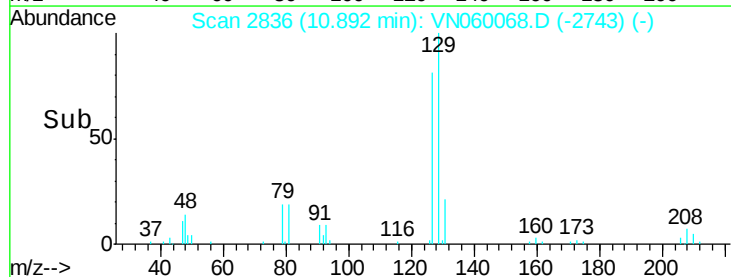
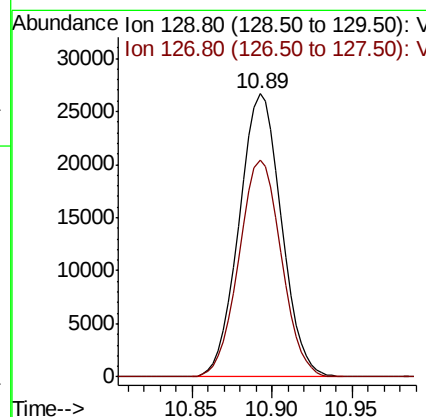
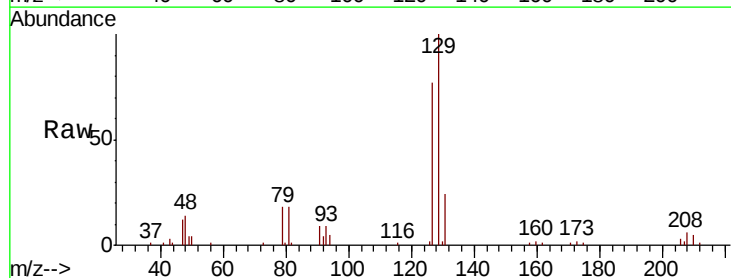
Instrument :
MSVOA_N
ClientSampleId :

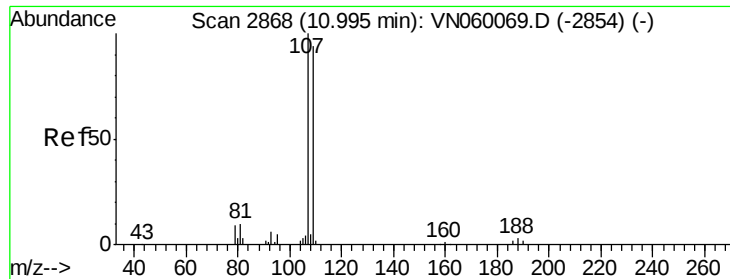
Tot Ion: 43 Resp: 199298
Ion Ratio Lower Upper
43 100
58 55.1 27.5 82.4



#60
Dibromochloromethane
Concen: 20.165 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion:129 Resp: 48120
Ion Ratio Lower Upper
129 100
127 76.7 38.0 114.1

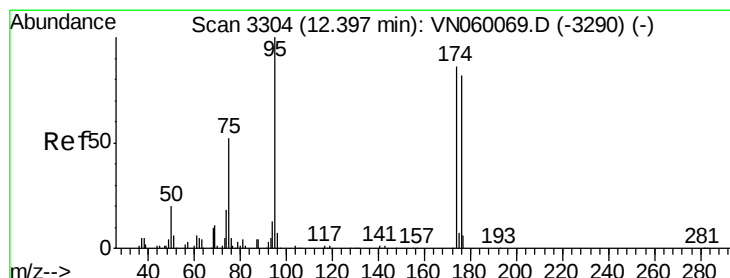
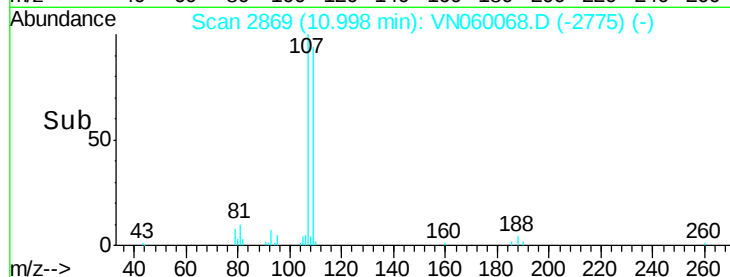
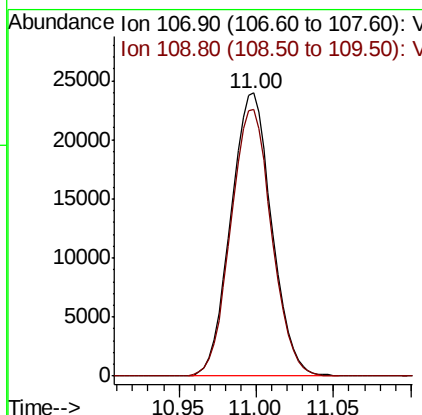
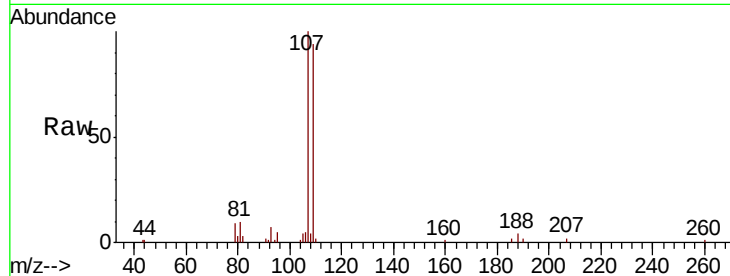




#61
 1,2-Dibromoethane
 Concen: 20.056 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

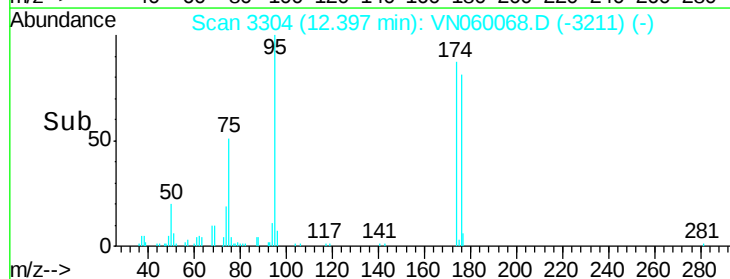
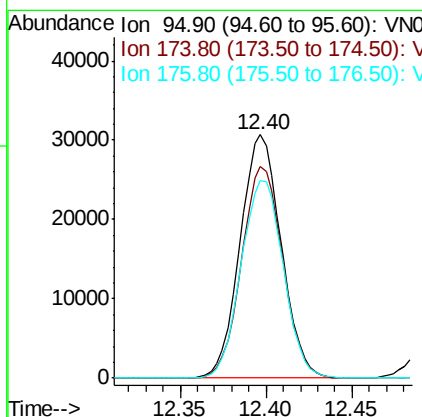
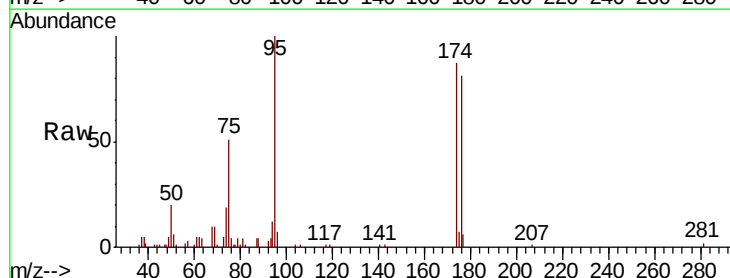
Instrument :
 MSVOA_N
 ClientSampled :

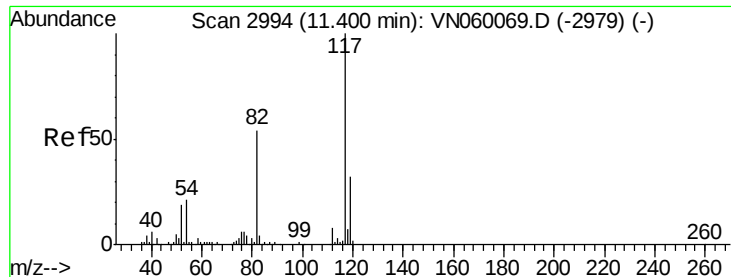
Tot Ion: 107 Resp: 43974
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 19.272 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion: 95 Resp: 50894
 Ion Ratio Lower Upper
 95 100
 174 87.1 0.0 169.8
 176 83.6 0.0 164.8

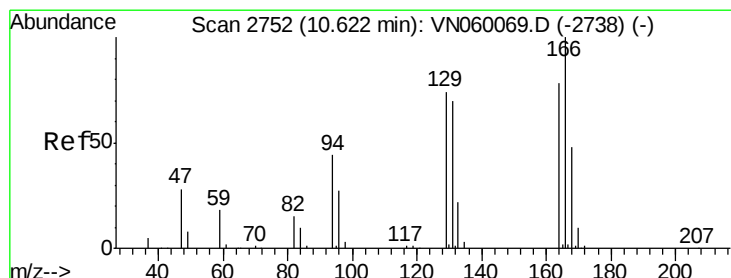
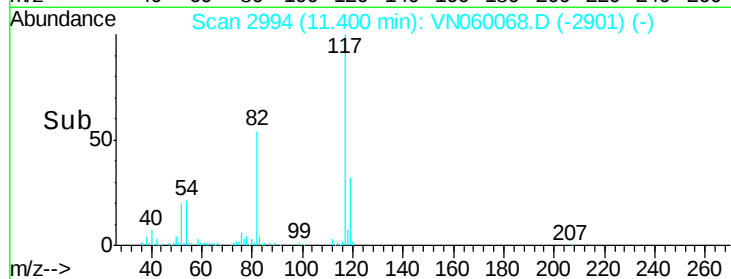
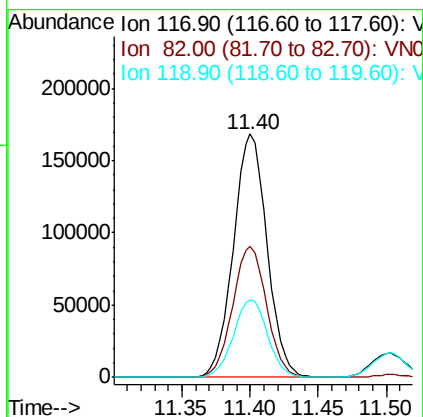
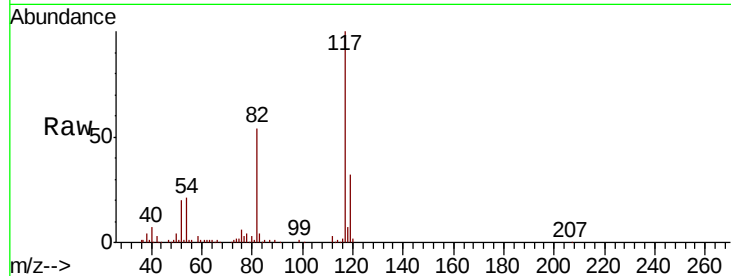




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

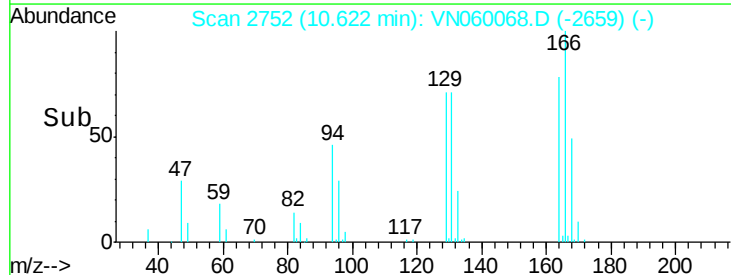
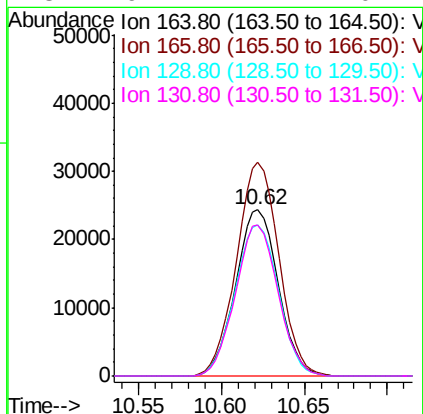
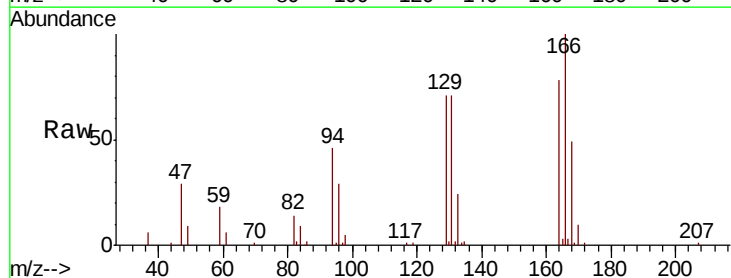
Instrument :
MSVOA_N
ClientSampled :

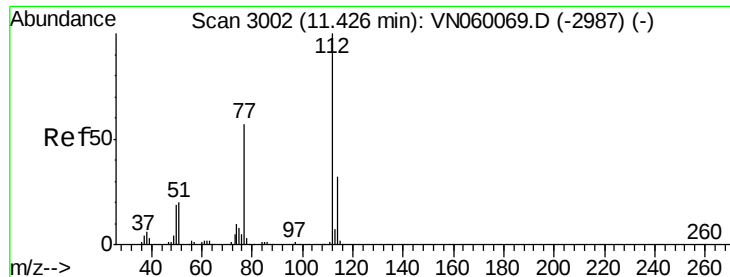
Tot Ion:117 Resp: 288273
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 19.266 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion:164 Resp: 43567
Ion Ratio Lower Upper
164 100
166 128.7 101.9 152.9
129 91.0 75.4 113.0
131 91.1 71.4 107.2

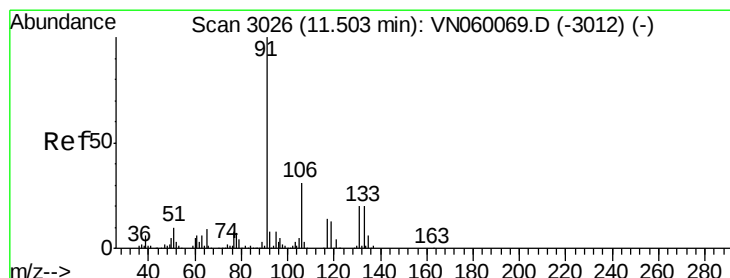
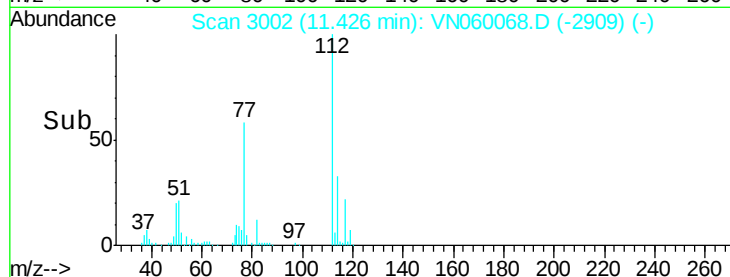
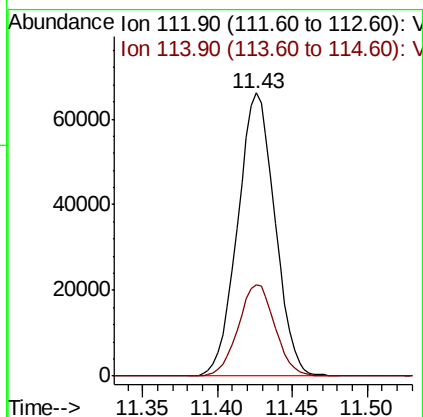
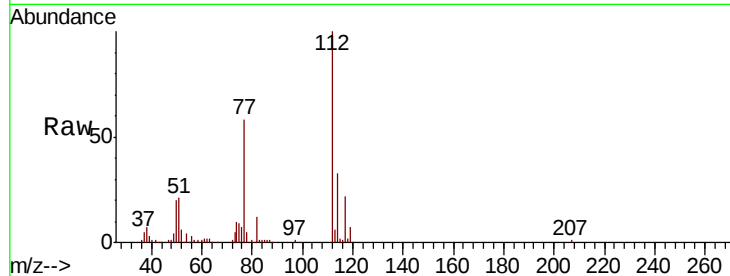




#65
Chlorobenzene
Concen: 19.413 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

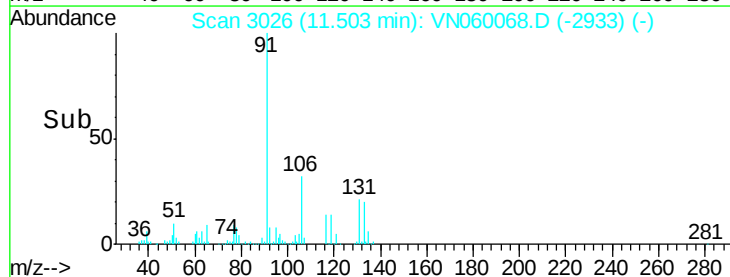
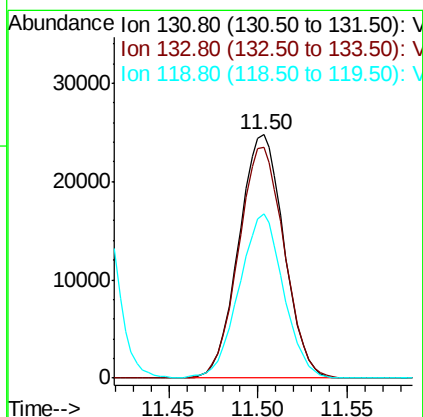
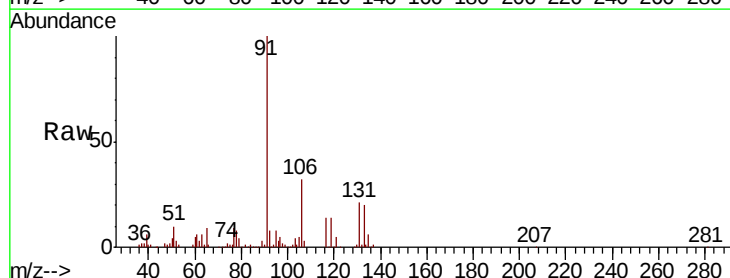
Instrument :
MSVOA_N
ClientSampled :

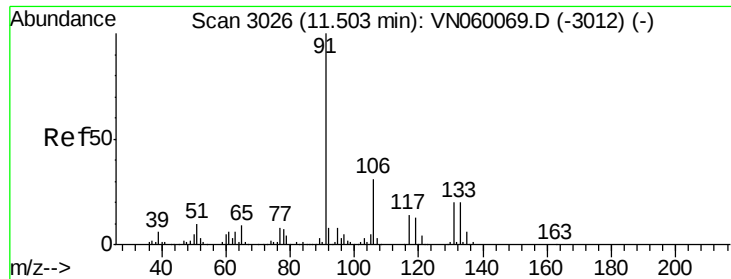
Tot Ion:112 Resp: 114543
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.860 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion:131 Resp: 43858
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.7
119 66.3 32.6 97.7

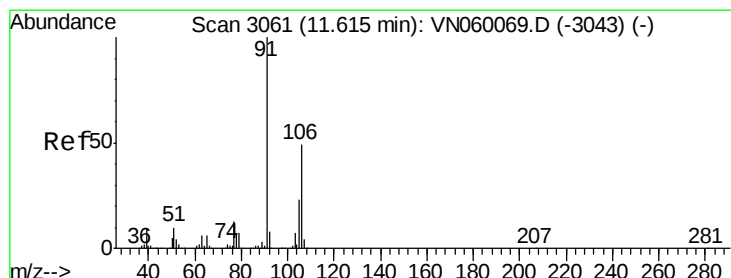
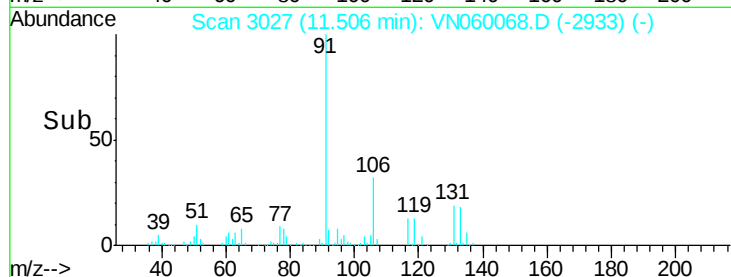
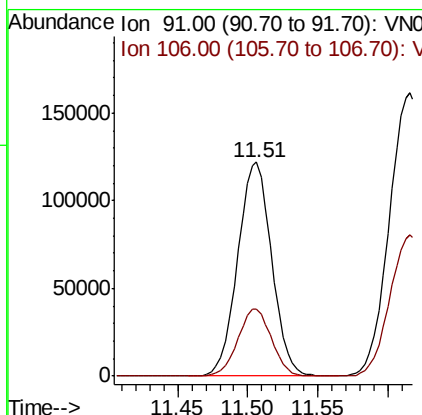
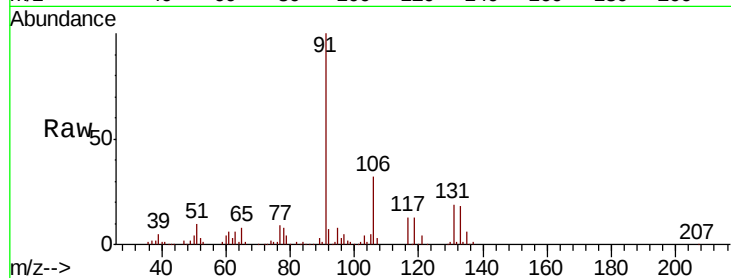




#67
Ethyl Benzene
Concen: 19.401 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

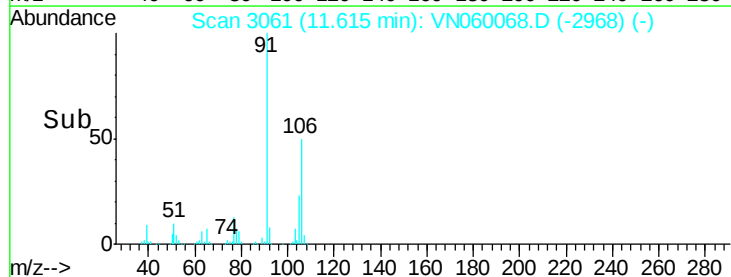
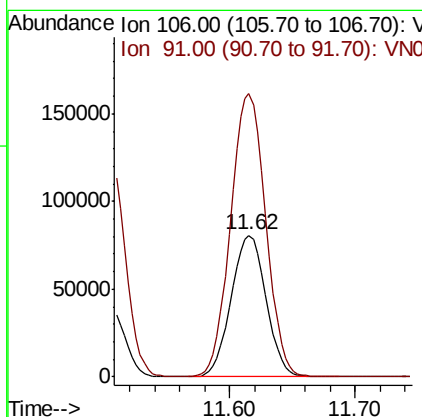
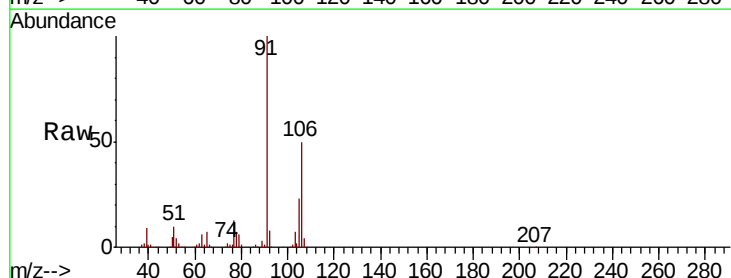
Instrument :
MSVOA_N
ClientSampled :

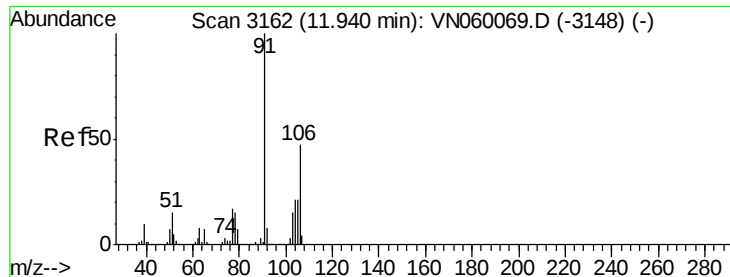
Tot Ion: 91 Resp: 205922
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#68
m/p-Xylenes
Concen: 39.405 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 106 Resp: 155648
Ion Ratio Lower Upper
106 100
91 201.8 162.7 244.1

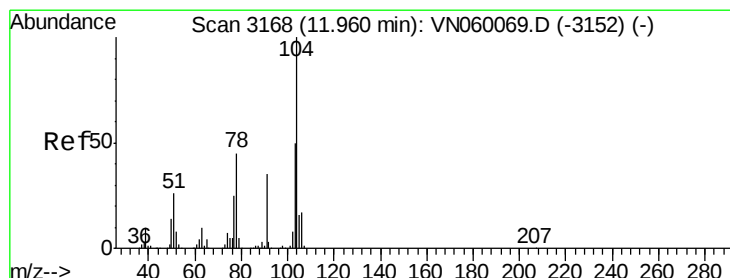
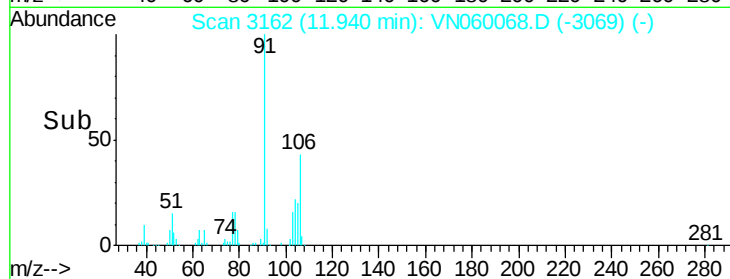
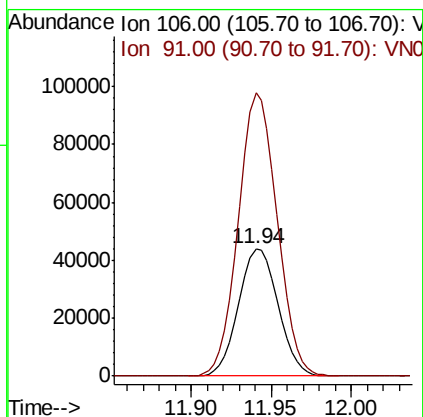
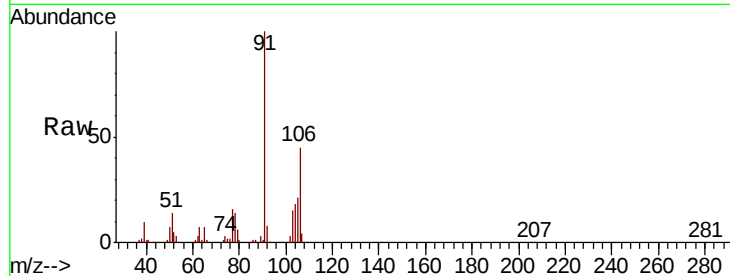




#69
o-Xylene
Concen: 19.588 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

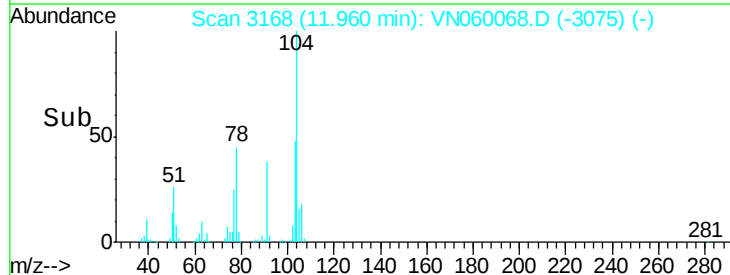
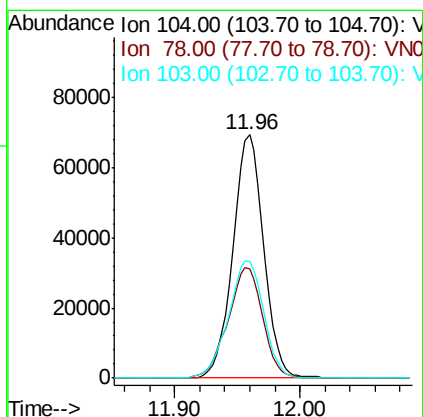
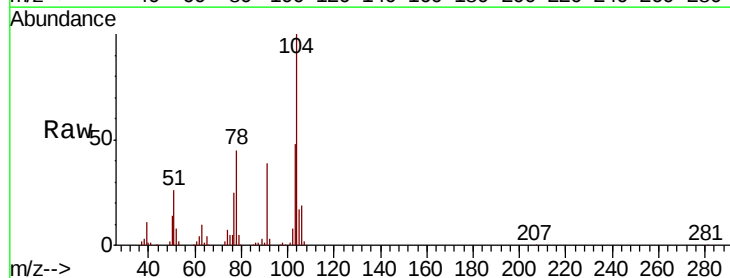
Instrument :
MSVOA_N
ClientSampled :

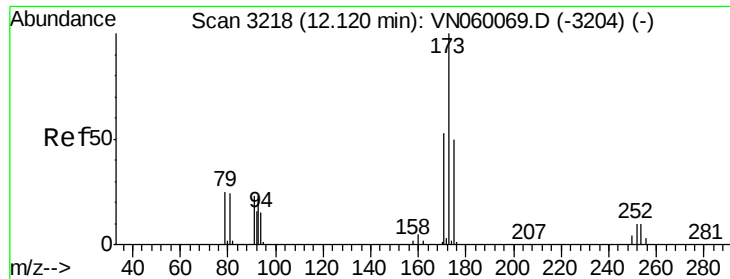
Tot Ion:106 Resp: 74355
Ion Ratio Lower Upper
106 100
91 217.1 107.2 321.6



#70
Styrene
Concen: 20.117 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion:104 Resp: 118466
Ion Ratio Lower Upper
104 100
78 51.0 40.2 60.2
103 55.3 44.3 66.5

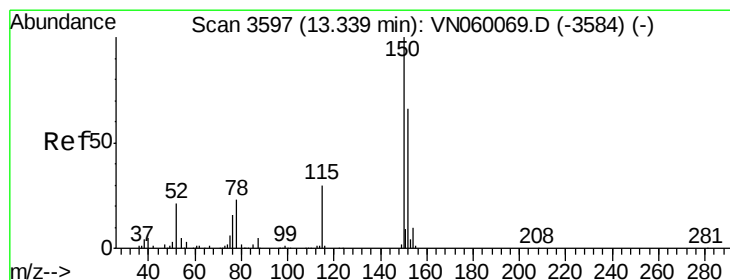
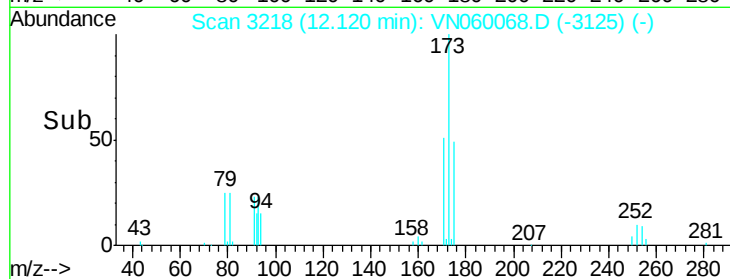
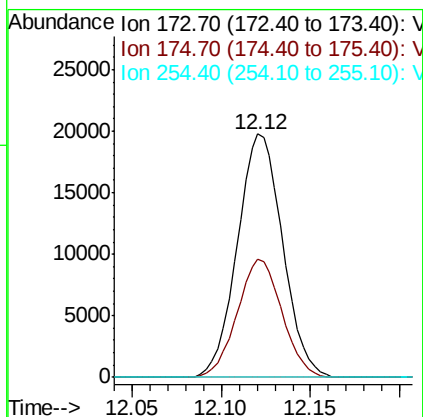
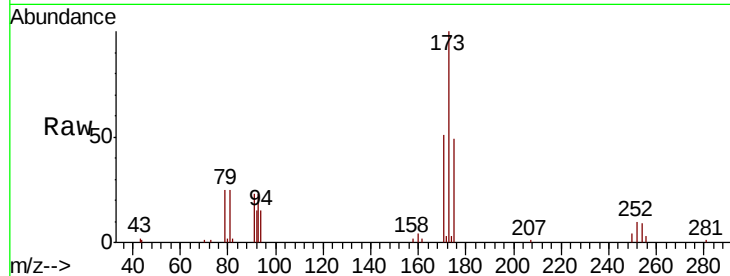




#71
Bromoform
Concen: 20.641 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

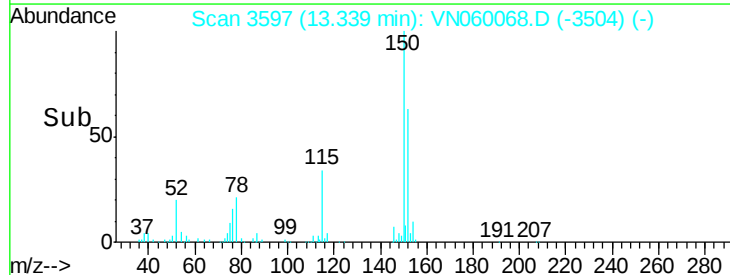
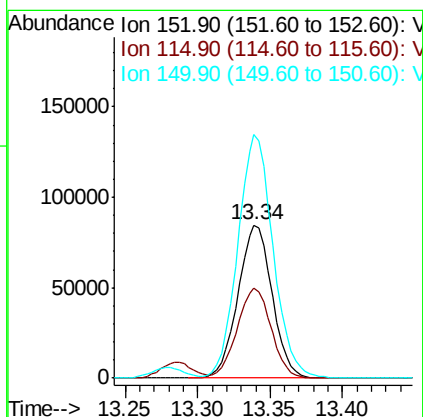
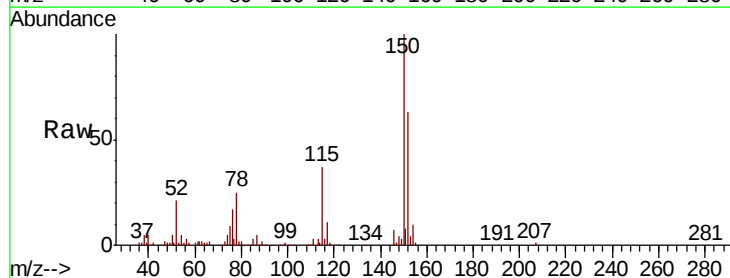
Instrument :
MSVOA_N
ClientSampled :

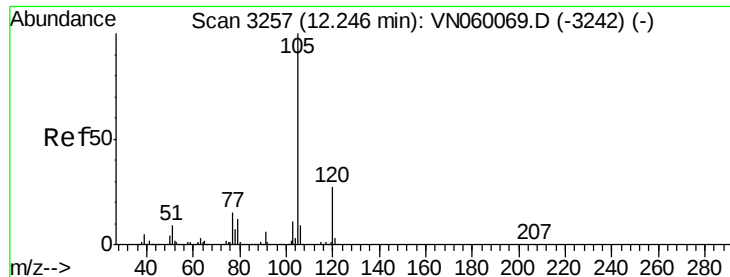
Tot Ion:173 Resp: 34992
Ion Ratio Lower Upper
173 100
175 47.8 24.9 74.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion:152 Resp: 138237
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.8
150 164.0 0.0 342.4





#73

Isopropylbenzene

Concen: 19.254 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

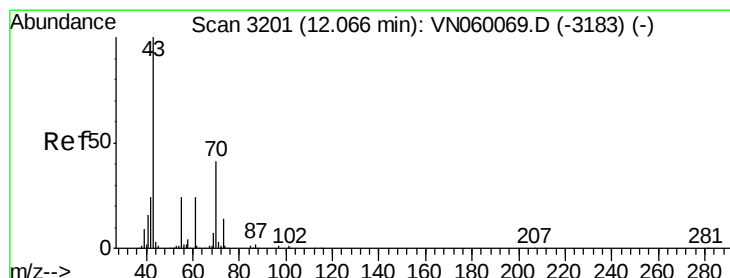
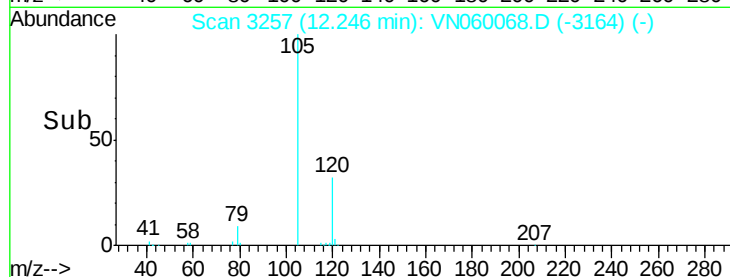
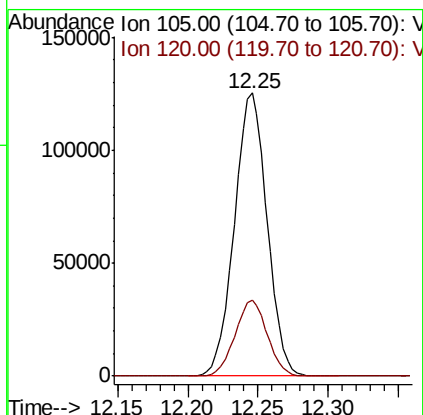
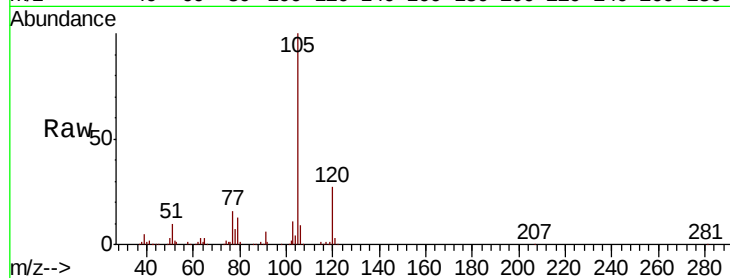
ClientSampleId :

Tot Ion:105 Resp: 203550

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 20.095 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Tgt Ion: 43 Resp: 72482

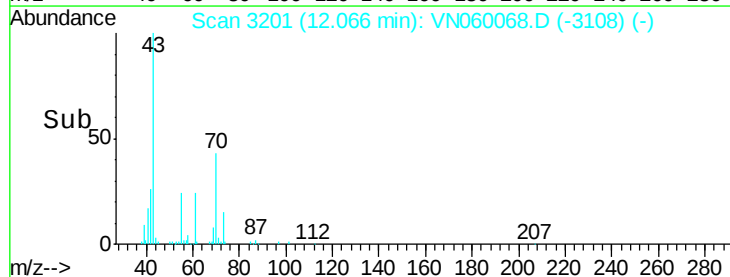
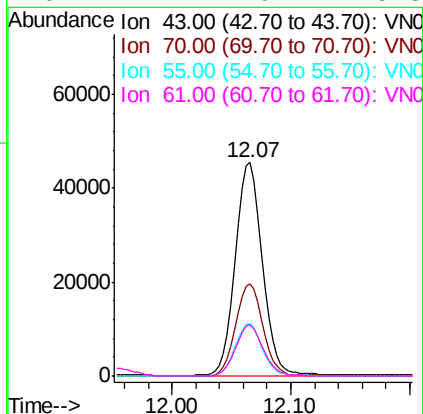
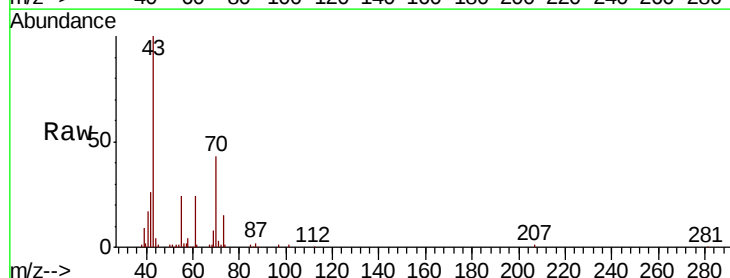
Ion Ratio Lower Upper

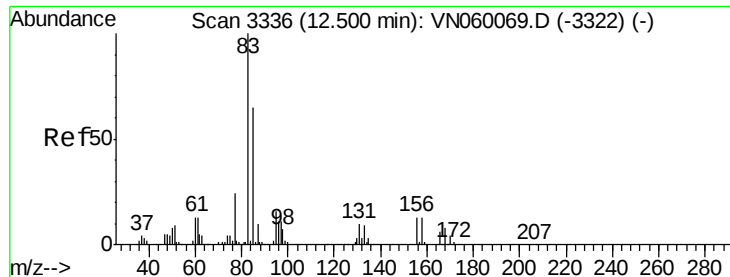
43 100

70 43.3 33.4 50.0

55 24.6 18.8 28.2

61 24.1 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.134 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

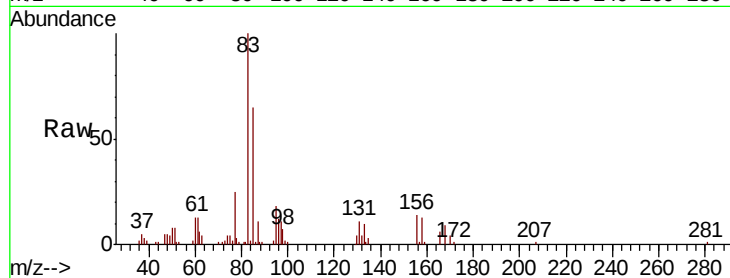
Tot Ion: 83 Resp: 60266

Ion Ratio Lower Upper

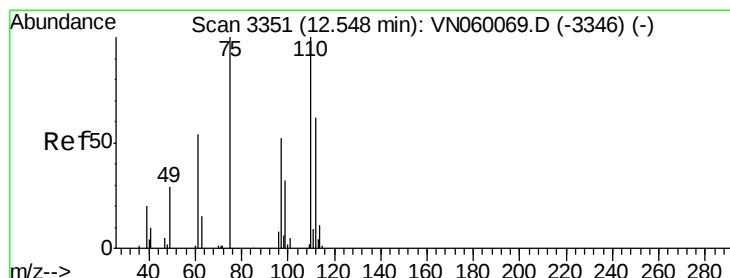
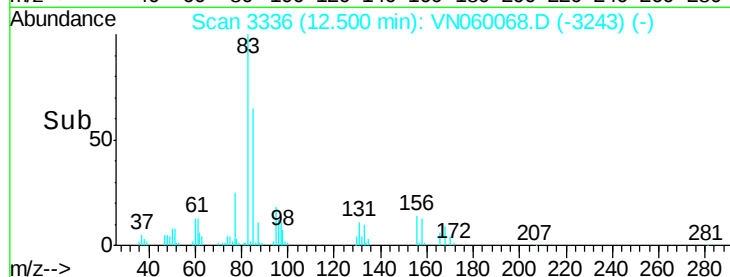
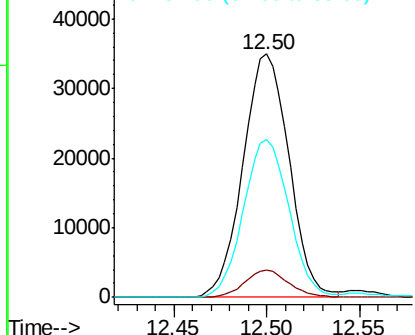
83 100

131 10.6 5.2 15.6

85 64.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 21.445 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060068.D

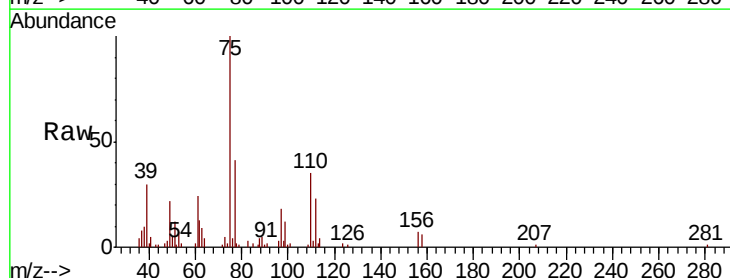
Acq: 12 Feb 2020 12:05

Tgt Ion: 75 Resp: 80574

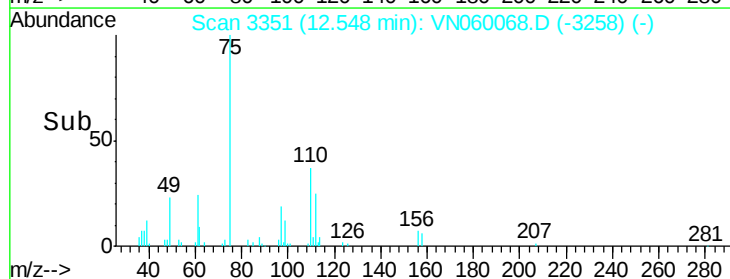
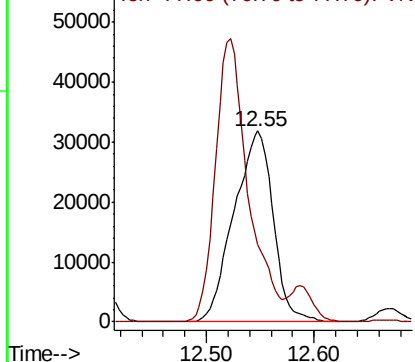
Ion Ratio Lower Upper

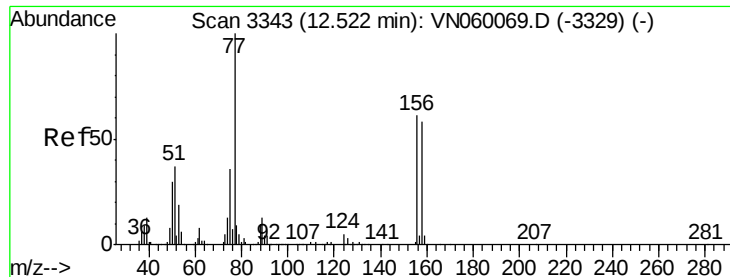
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.647 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

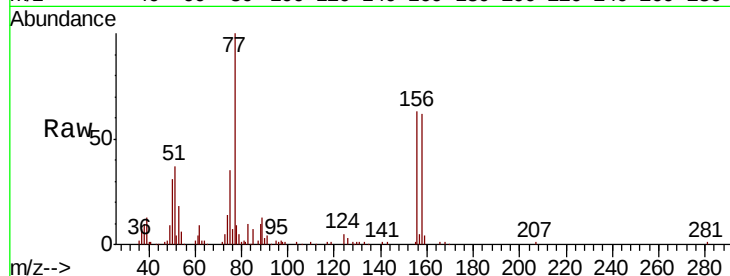
Tot Ion:156 Resp: 51130

Ion Ratio Lower Upper

156 100

77 195.6 98.7 296.1

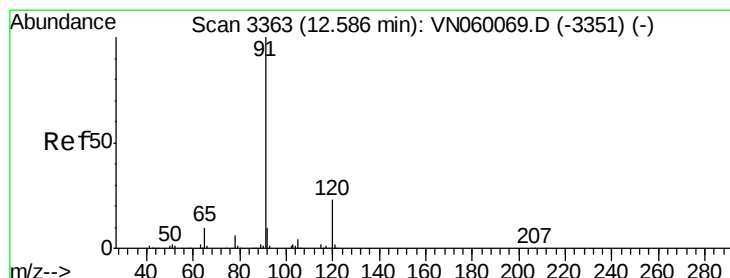
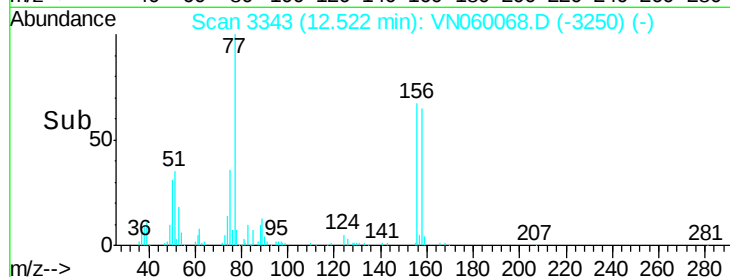
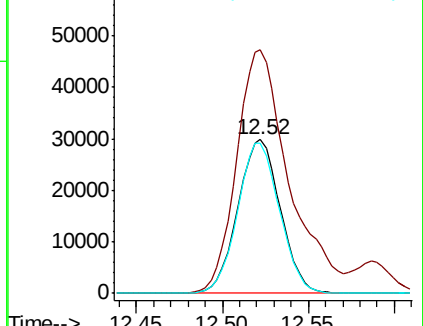
158 96.7 48.1 144.4



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: 19.051 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060068.D

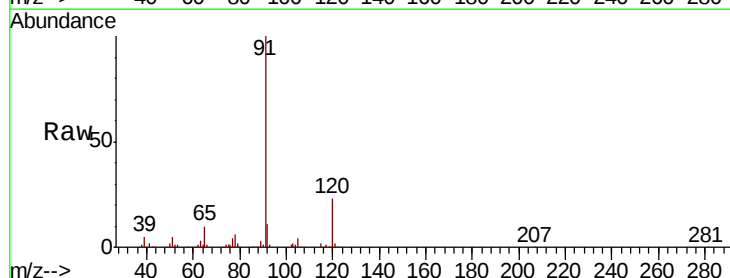
Acq: 12 Feb 2020 12:05

Tgt Ion: 91 Resp: 228481

Ion Ratio Lower Upper

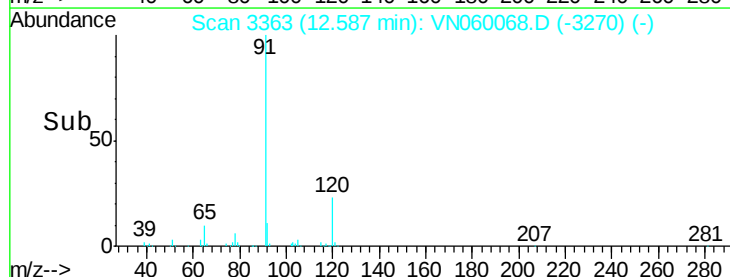
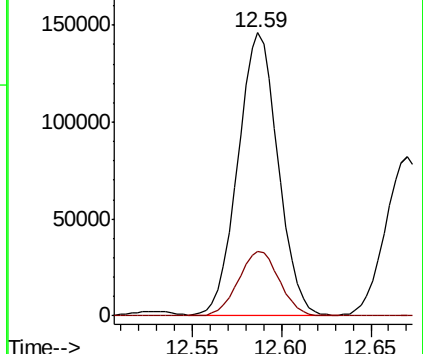
91 100

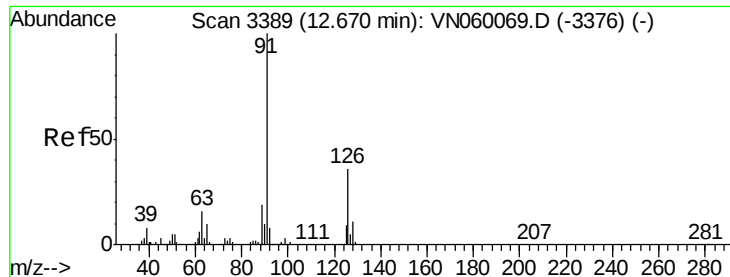
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.983 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

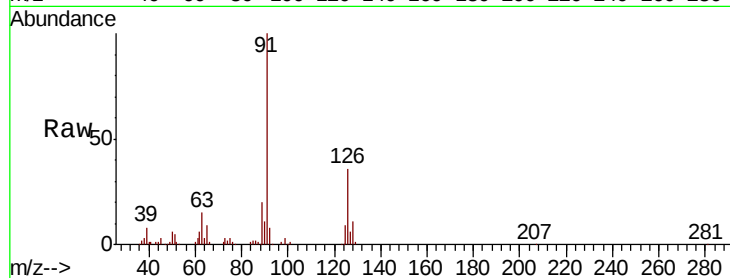
ClientSampled :

Tot Ion: 91 Resp: 134381

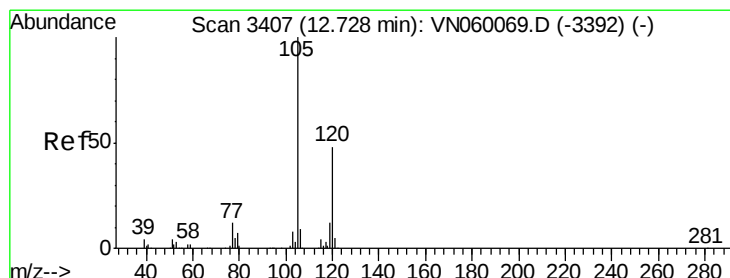
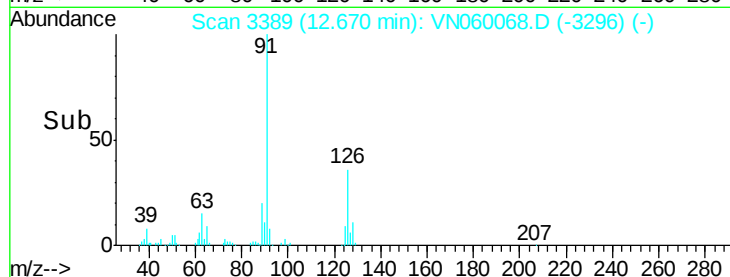
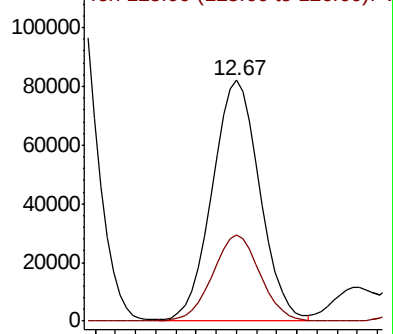
Ion Ratio Lower Upper

91 100

126 35.8 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.497 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060068.D

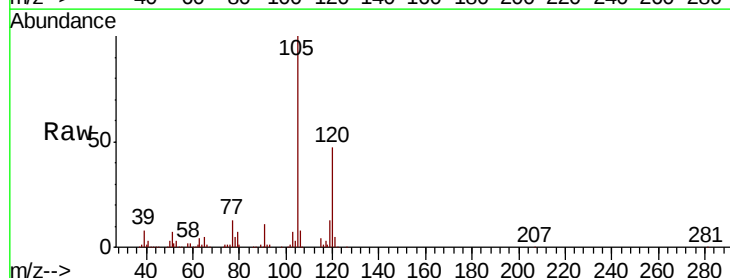
Acq: 12 Feb 2020 12:05

Tgt Ion: 105 Resp: 170123

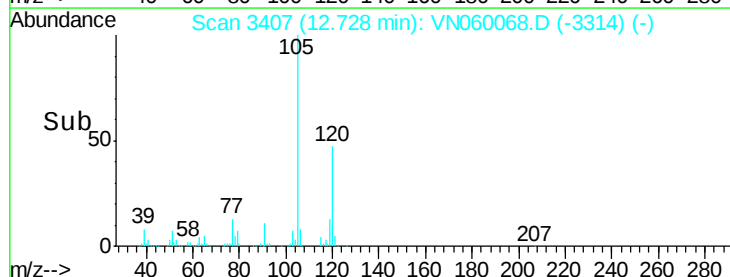
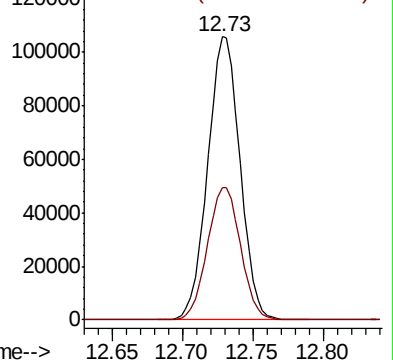
Ion Ratio Lower Upper

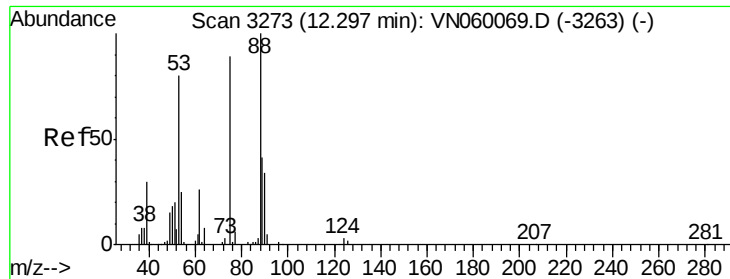
105 100

120 47.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

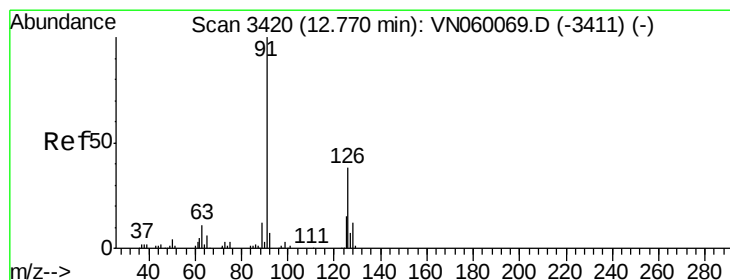
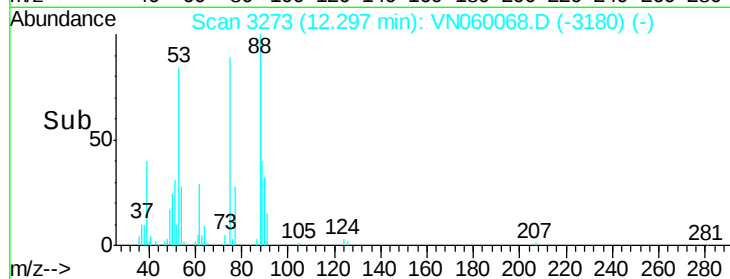
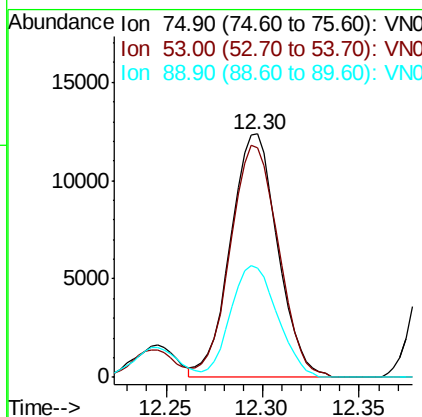
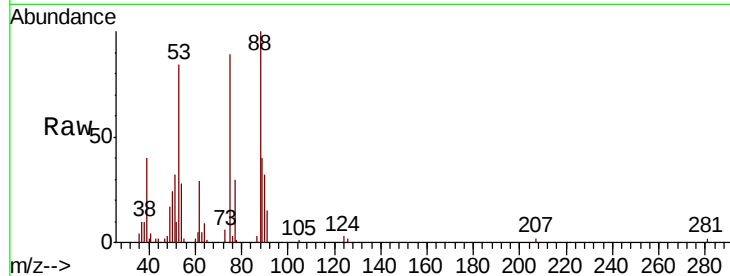




#81
trans-1,4-Dichloro-2-butene
Concen: 20.251 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

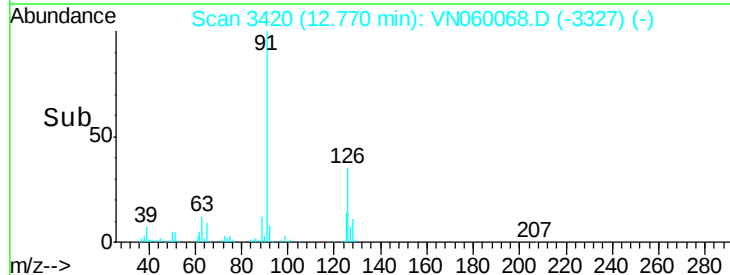
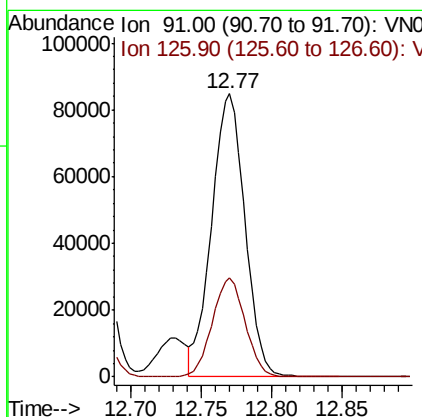
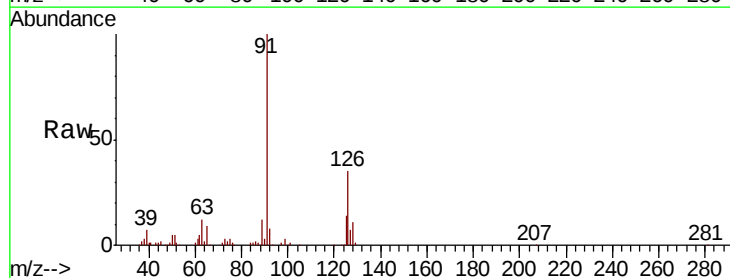
Instrument :
MSVOA_N
ClientSampleId :

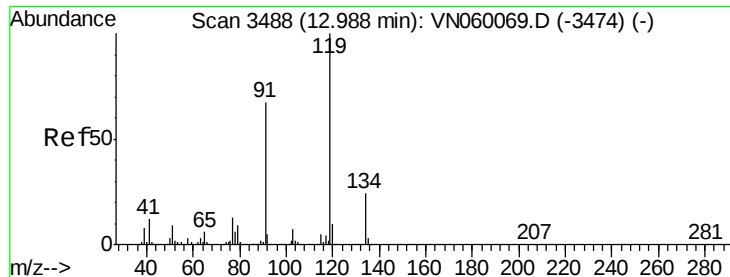
Tot Ion: 75 Resp: 21037
Ion Ratio Lower Upper
75 100
53 97.2 73.9 110.9
89 45.4 37.0 55.4



#82
4-Chlorotoluene
Concen: 19.382 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 91 Resp: 138916
Ion Ratio Lower Upper
91 100
126 34.7 17.1 51.3

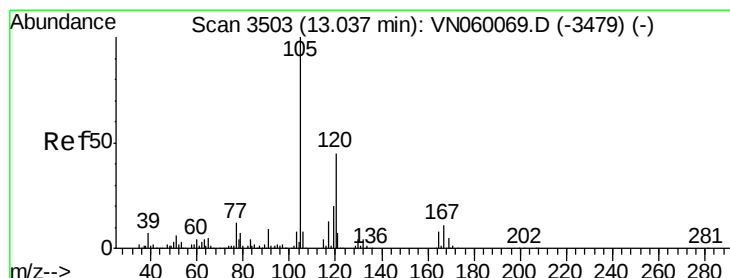
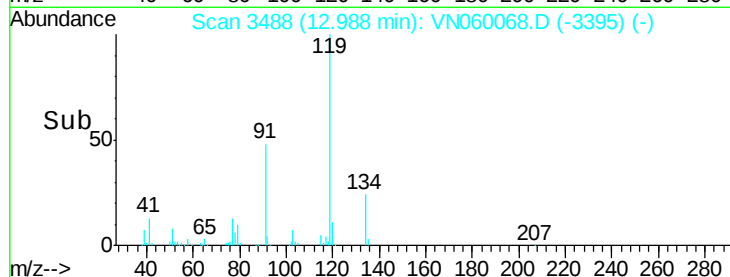
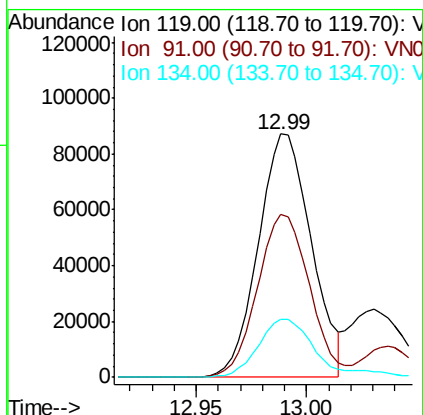
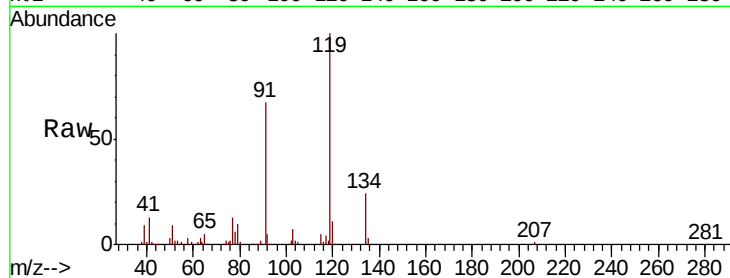




#83
tert-Butylbenzene
Concen: 18.519 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

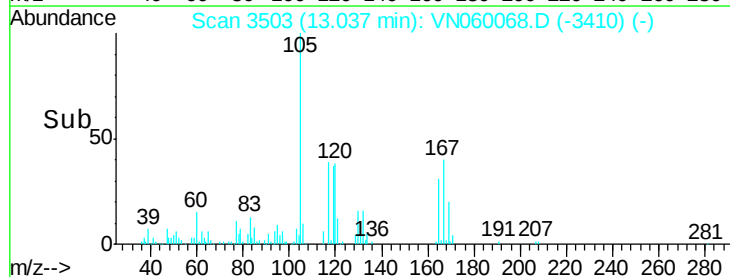
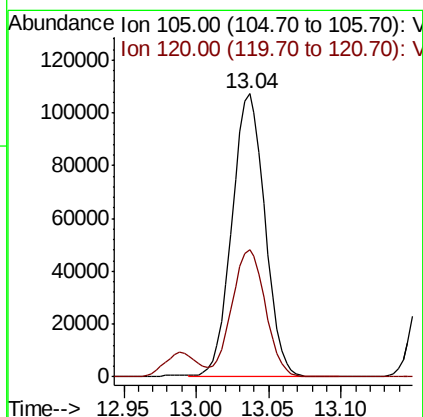
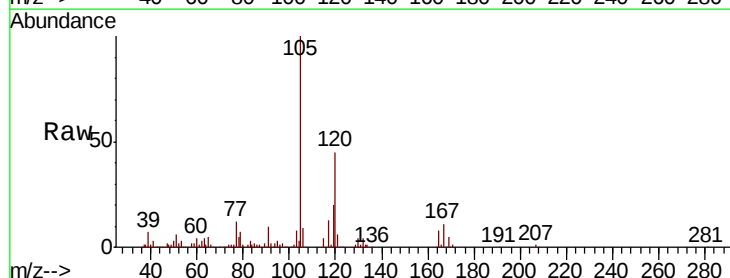
Instrument :
MSVOA_N
ClientSampled :

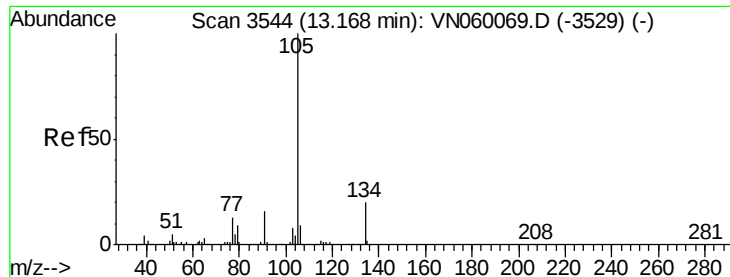
Tot Ion:119 Resp: 145312
Ion Ratio Lower Upper
119 100
91 65.7 32.7 98.1
134 26.2 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 19.919 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion:105 Resp: 169906
Ion Ratio Lower Upper
105 100
120 45.8 22.4 67.3

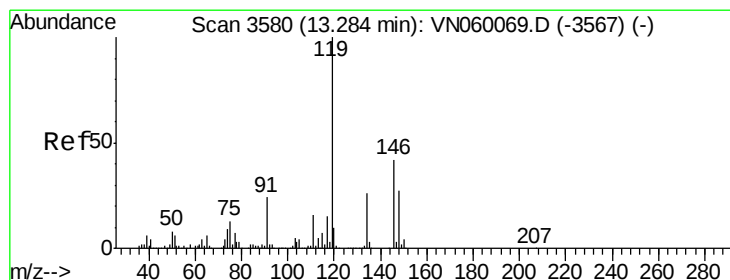
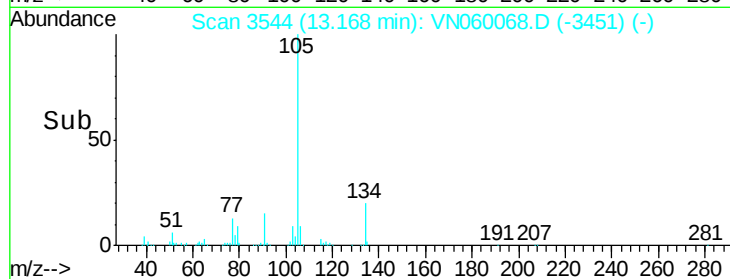
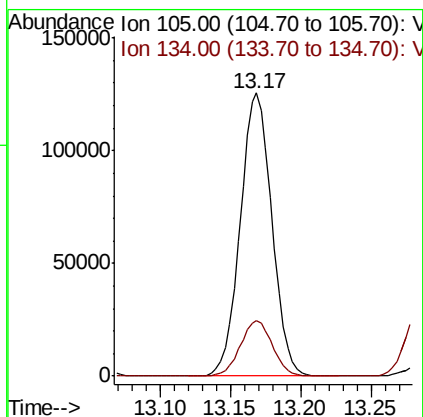
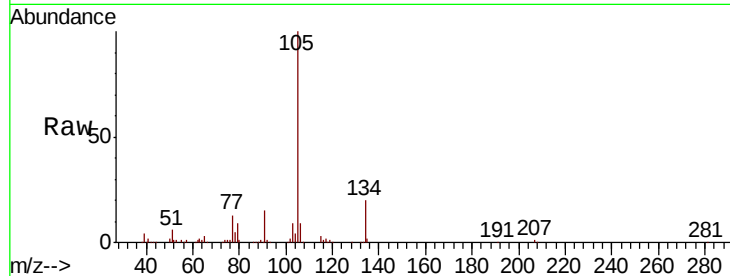




#85
 sec-Butylbenzene
 Concen: 19.249 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

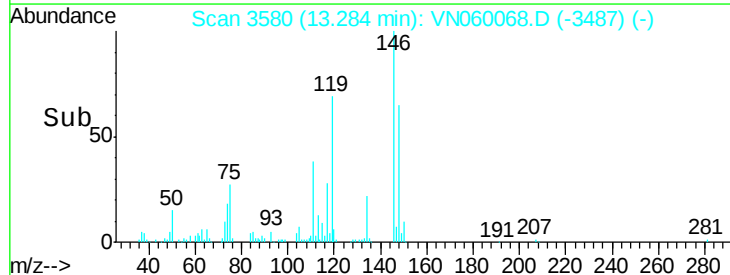
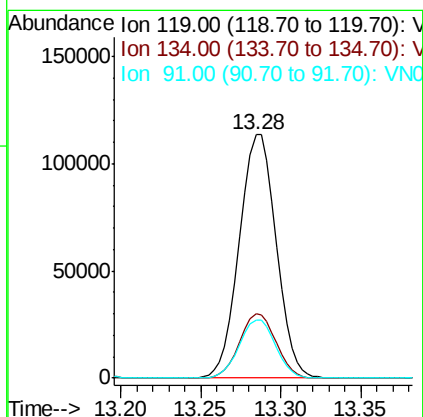
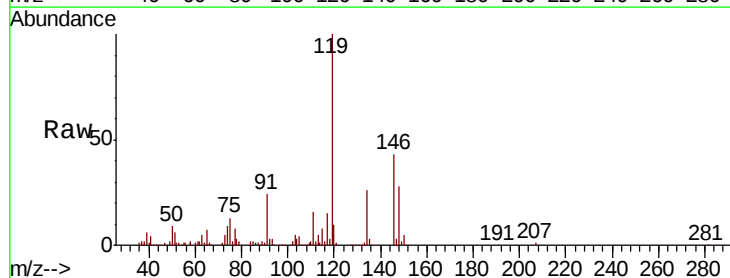
Instrument :
 MSVOA_N
 ClientSampled :

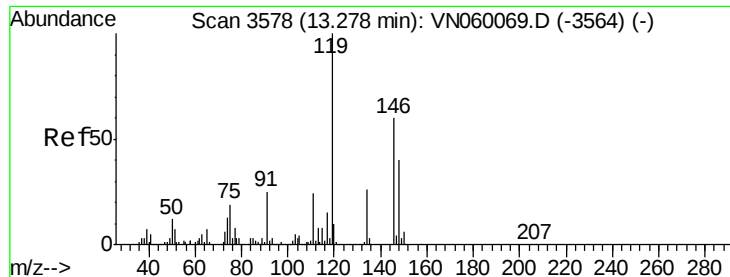
Tot Ion:105 Resp: 197582
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 19.401 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion:119 Resp: 178355
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.8
 91 23.6 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 19.744 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

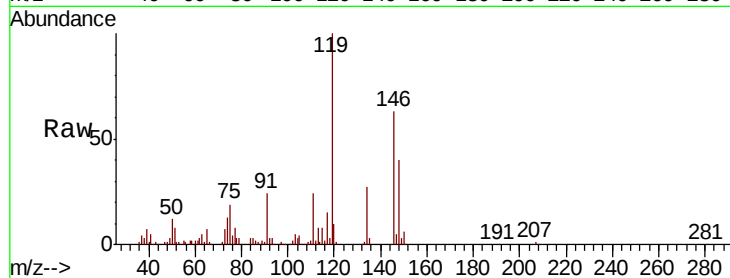
Tot Ion:146 Resp: 89740

Ion Ratio Lower Upper

146 100

111 38.7 19.8 59.3

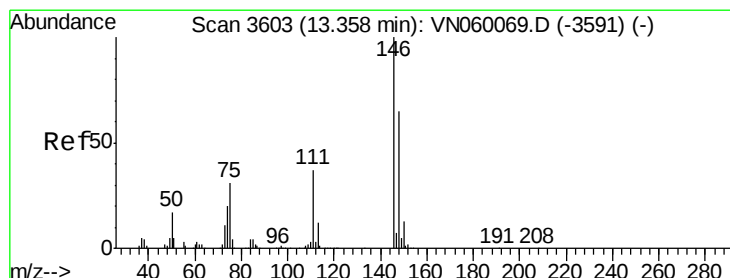
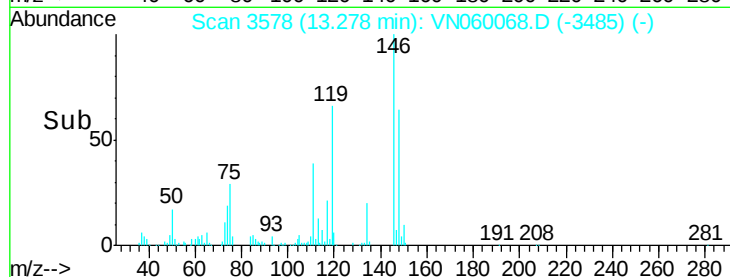
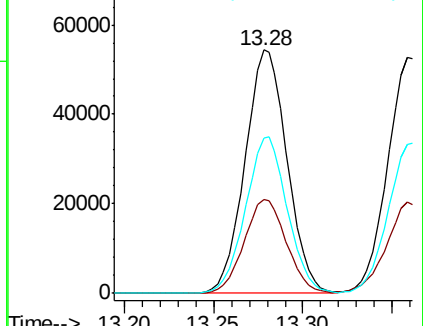
148 63.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.701 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

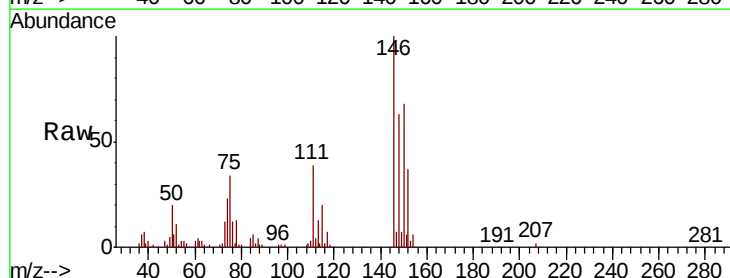
Tgt Ion:146 Resp: 88830

Ion Ratio Lower Upper

146 100

111 38.5 18.9 56.5

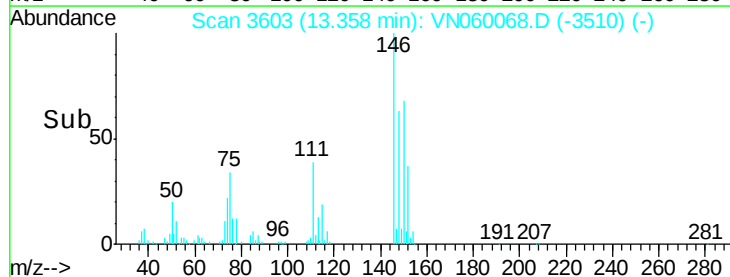
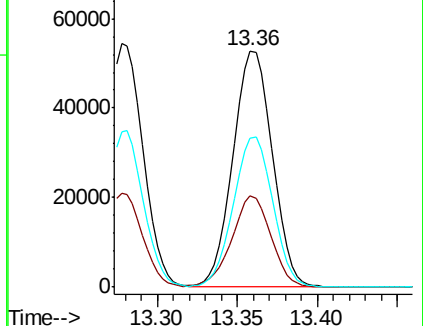
148 63.5 32.0 96.0

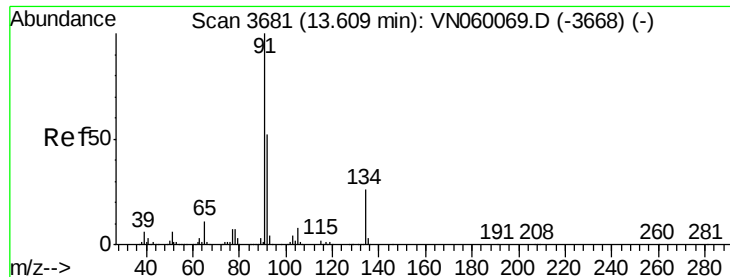


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

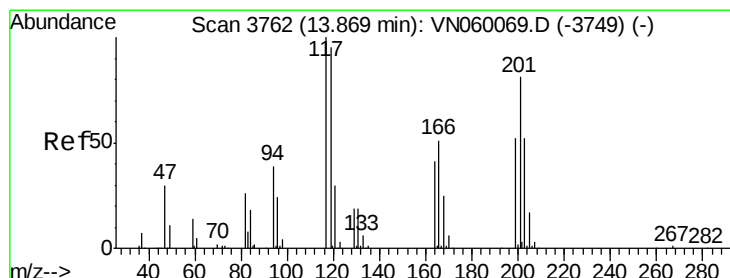
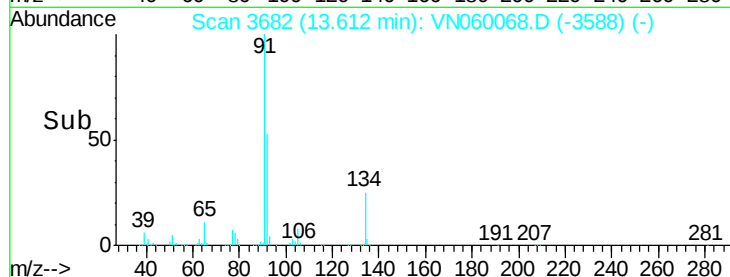
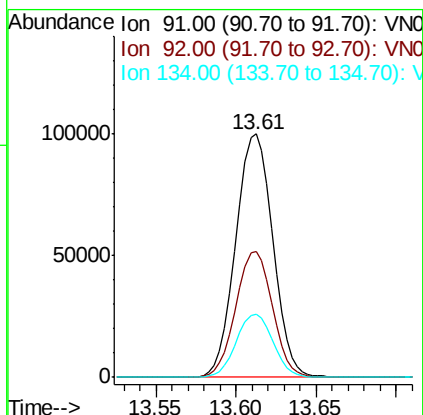
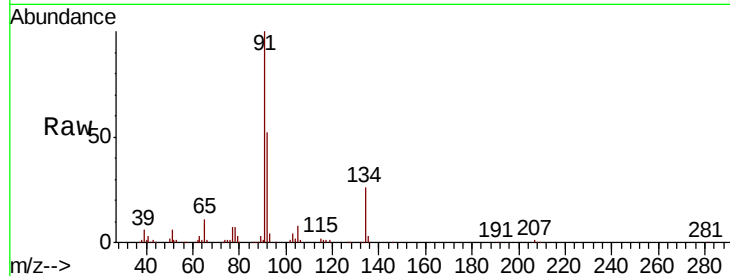




#89
n-Butylbenzene
Concen: 19.888 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

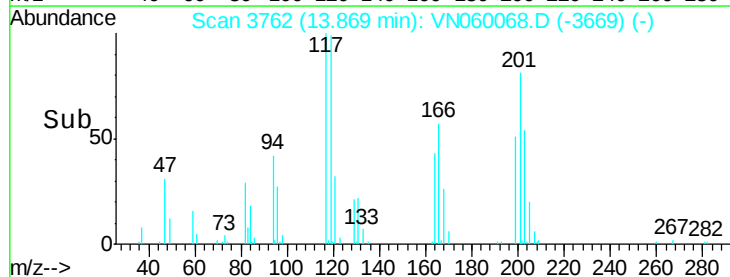
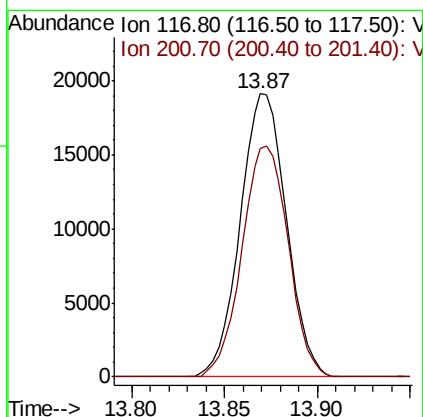
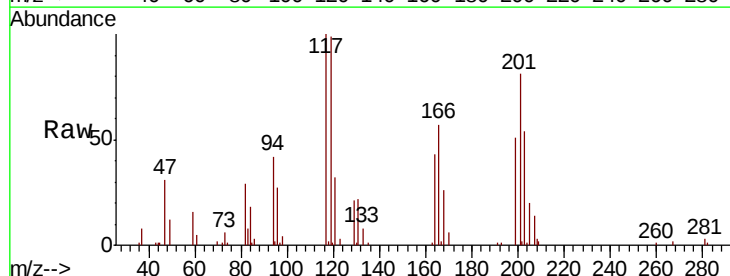
Instrument :
MSVOA_N
Client Sampled :

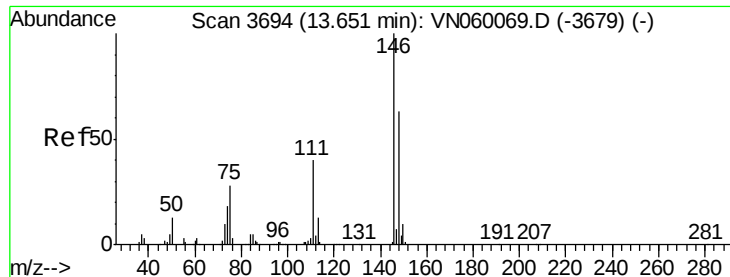
Tot Ion: 91 Resp: 158350
Ion Ratio Lower Upper
91 100
92 51.3 26.1 78.2
134 25.8 13.1 39.3



#90
Hexachloroethane
Concen: 19.340 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060068.D
Acq: 12 Feb 2020 12:05

Tgt Ion: 117 Resp: 33071
Ion Ratio Lower Upper
117 100
201 81.6 41.7 125.1





#91

1,2-Dichlorobenzene

Concen: 19.391 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

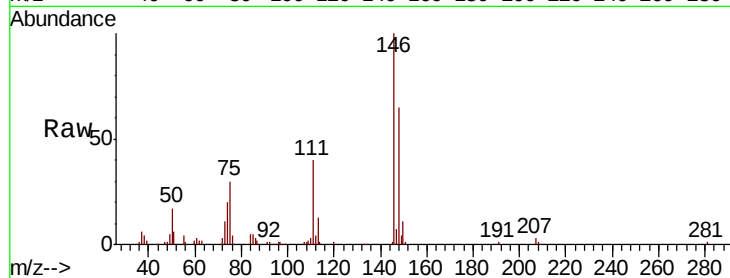
Tot Ion:146 Resp: 87319

Ion Ratio Lower Upper

146 100

111 40.2 20.1 60.2

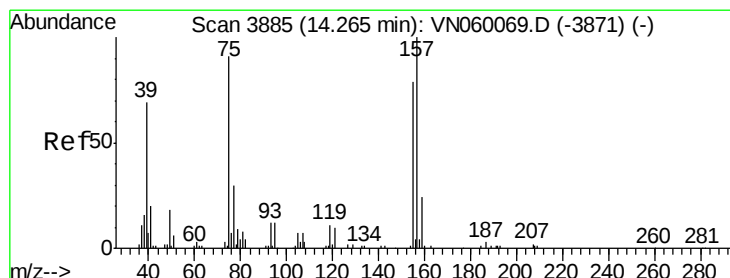
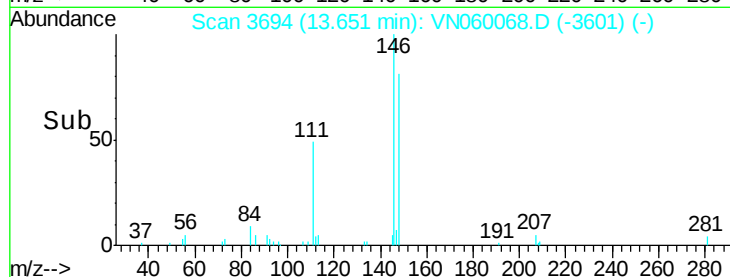
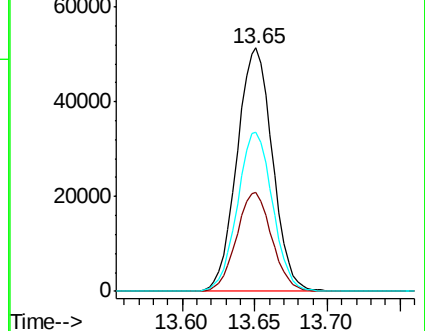
148 64.9 31.9 95.5



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: 17.761 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

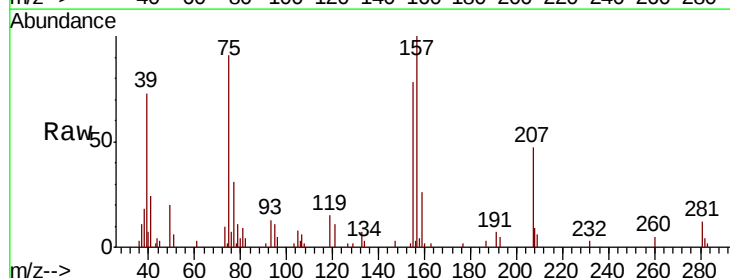
Tgt Ion: 75 Resp: 12713

Ion Ratio Lower Upper

75 100

155 83.9 43.0 129.0

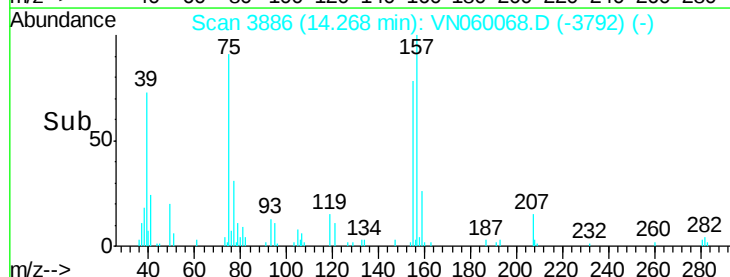
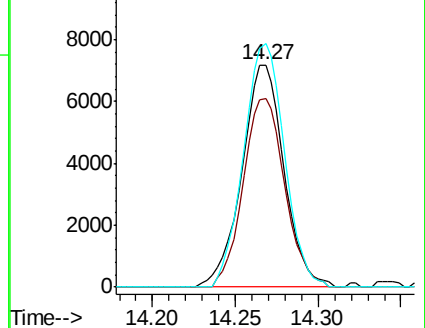
157 106.5 54.9 164.5

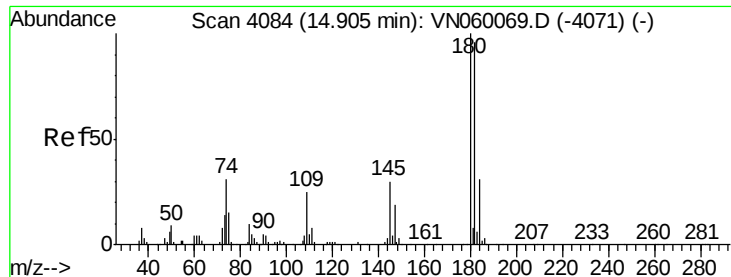


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

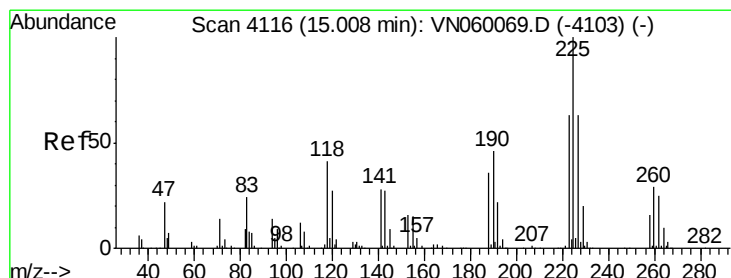
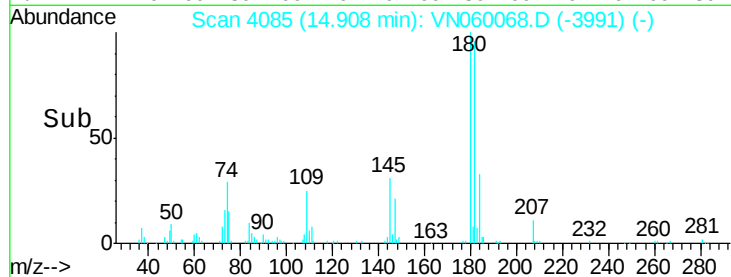
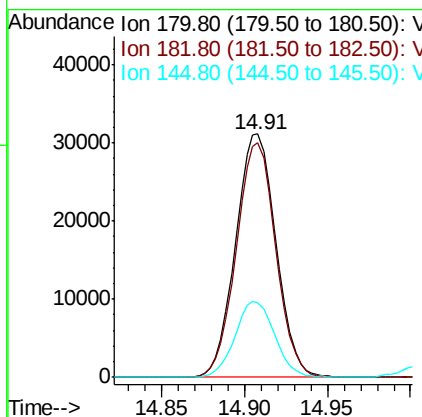
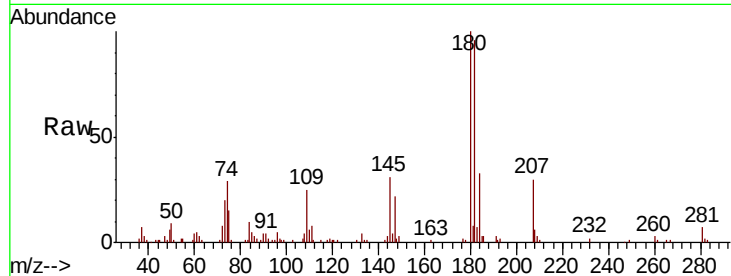




#93
 1,2,4-Trichlorobenzene
 Concen: 20.998 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

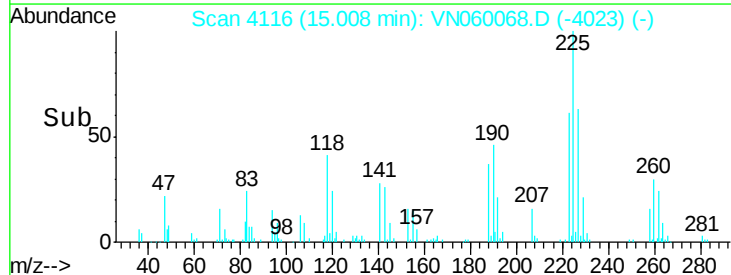
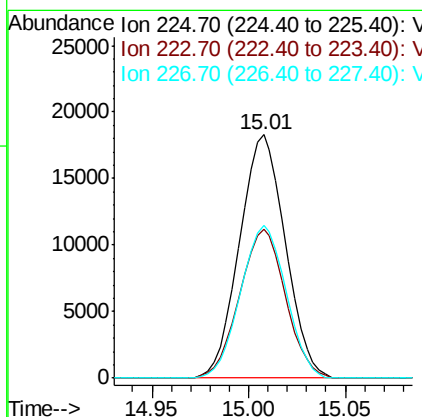
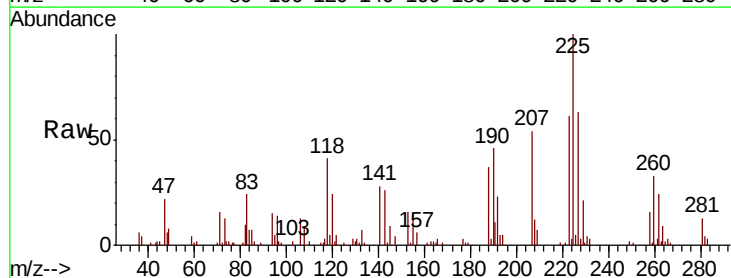
Instrument :
 MSVOA_N
 ClientSampled :

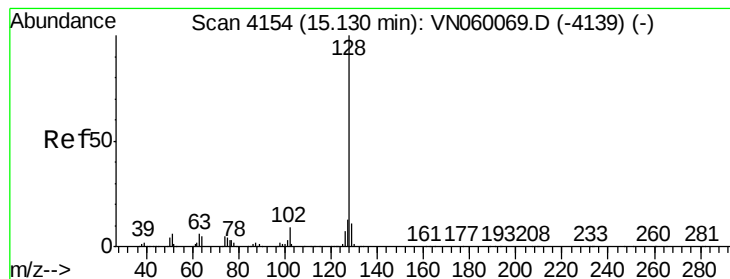
Tot Ion:180 Resp: 52692
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.9 143.8
 145 30.5 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 19.051 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060068.D
 Acq: 12 Feb 2020 12:05

Tgt Ion:225 Resp: 30148
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.5 94.5
 227 62.4 31.8 95.4





#95

Naphthalene

Concen: 21.931 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

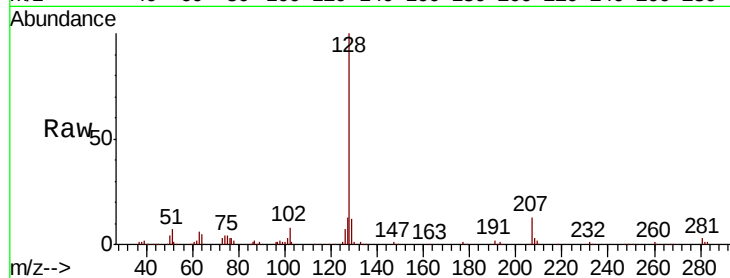
Tot Ion:128 Resp: 145233

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

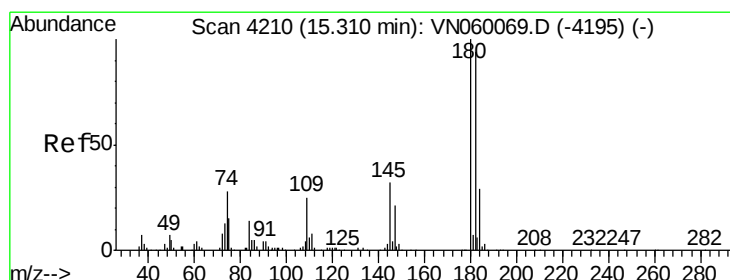
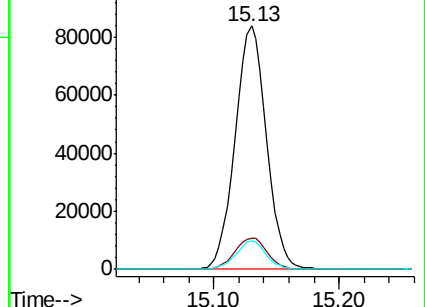
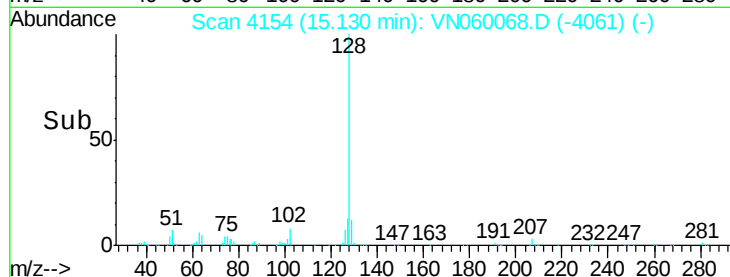
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.757 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

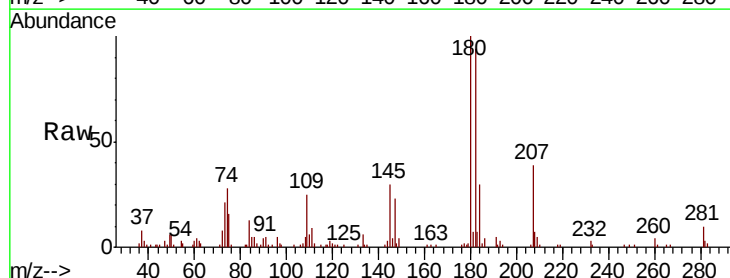
Tgt Ion:180 Resp: 52717

Ion Ratio Lower Upper

180 100

182 95.0 47.5 142.5

145 31.2 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

