

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022120\
 Data File : VN060183.D
 Acq On : 21 Feb 2020 12:30
 Operator : JC/MD
 Sample : VN0221MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 22:23:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	176044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	276567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122588	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	108300	50.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.12%	
35) Dibromofluoromethane	7.56	113	85756	50.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.88%	
50) Toluene-d8	10.08	98	325388	48.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	117862	47.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	31776	18.058	ug/l	99
3) Chloromethane	2.04	50	36394	17.380	ug/l	96
4) Vinyl Chloride	2.17	62	41164	17.246	ug/l	100
5) Bromomethane	2.55	94	26026	17.782	ug/l	98
6) Chloroethane	2.69	64	21377	17.707	ug/l	95
7) Trichlorofluoromethane	3.00	101	55272	17.961	ug/l	100
8) Diethyl Ether	3.38	74	20512	20.023	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31323	18.333	ug/l	98
10) Methyl Iodide	3.93	142	41709	19.750	ug/l	98
11) Tert butyl alcohol	4.72	59	29551	92.185	ug/l	98
12) 1,1-Dichloroethene	3.72	96	30078	18.071	ug/l	97
13) Acrolein	3.58	56	26000	82.056	ug/l	96
14) Allyl chloride	4.29	41	44392	18.121	ug/l	98
15) Acrylonitrile	4.94	53	78085	99.744	ug/l	99
16) Acetone	3.78	43	75212	80.493	ug/l	97
17) Carbon Disulfide	4.03	76	84956	16.934	ug/l	99
18) Methyl Acetate	4.29	43	36968	21.061	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	109021	19.477	ug/l	99
20) Methylene Chloride	4.52	84	35094	18.825	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	32220	17.758	ug/l	99
22) Diisopropyl ether	5.91	45	105393	19.630	ug/l	96
23) Vinyl Acetate	5.86	43	436890	96.900	ug/l	99
24) 1,1-Dichloroethane	5.82	63	60965	18.744	ug/l	98
25) 2-Butanone	6.80	43	105639	89.893	ug/l	98
26) 2,2-Dichloropropane	6.80	77	55721	18.037	ug/l	79
27) cis-1,2-Dichloroethene	6.80	96	39303	18.510	ug/l	100
28) Bromochloromethane	7.17	49	23474	18.358	ug/l	99
29) Tetrahydrofuran	7.18	42	69496	96.396	ug/l	99
30) Chloroform	7.35	83	65033	19.088	ug/l	97
31) Cyclohexane	7.63	56	56226	18.558	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	56476	18.140	ug/l	98
36) 1,1-Dichloropropene	7.77	75	47232	18.438	ug/l	99
37) Ethyl Acetate	6.89	43	44151	19.070	ug/l	98
38) Carbon Tetrachloride	7.75	117	50207	18.046	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060183.D
 Acq On : 21 Feb 2020 12:30
 Operator : JC/MD
 Sample : VN0221MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 22:23:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56393	17.734	ug/l	97
40) Benzene	8.02	78	139919	18.413	ug/l	100
41) Methacrylonitrile	7.18	41	64056	65.975	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	51163	19.210	ug/l	97
43) Isopropyl Acetate	8.14	43	76800	19.406	ug/l	100
44) Trichloroethene	8.82	130	38957	18.515	ug/l	97
45) 1,2-Dichloropropane	9.10	63	36899	19.614	ug/l	99
46) Dibromomethane	9.19	93	25104	18.883	ug/l	98
47) Bromodichloromethane	9.39	83	51666	19.115	ug/l	98
48) Methyl methacrylate	9.18	41	32825	18.486	ug/l	99
49) 1,4-Dioxane	9.18	88	11756	387.495	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	222579	97.165	ug/l	99
52) Toluene	10.14	92	89401	18.347	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	57808	18.948	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	60439	18.813	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	36667	19.288	ug/l	98
56) Ethyl methacrylate	10.42	69	50844	18.906	ug/l	99
57) 1,3-Dichloropropane	10.70	76	60014	19.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	126383	100.877	ug/l	99
59) 2-Hexanone	10.74	43	160493	90.699	ug/l	98
60) Dibromochloromethane	10.89	129	40237	18.444	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38077	19.107	ug/l	100
64) Tetrachloroethene	10.62	164	36822	18.871	ug/l	98
65) Chlorobenzene	11.43	112	96698	18.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	37675	19.044	ug/l	98
67) Ethyl Benzene	11.50	91	174555	18.507	ug/l	98
68) m/p-Xylenes	11.62	106	130867	36.969	ug/l	99
69) o-Xylene	11.94	106	62946	18.468	ug/l	99
70) Styrene	11.96	104	97876	17.808	ug/l	99
71) Bromoform	12.12	173	29549	18.570	ug/l #	97
73) Isopropylbenzene	12.24	105	168753	18.434	ug/l	100
74) N-amyl acetate	12.06	43	61324	18.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	51172	19.421	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	67061	28.593	ug/l #	100
77) Bromobenzene	12.52	156	43380	19.095	ug/l	100
78) n-propylbenzene	12.59	91	189520	18.171	ug/l	99
79) 2-Chlorotoluene	12.67	91	112678	18.381	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	141293	18.564	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17635	18.410	ug/l	99
82) 4-Chlorotoluene	12.77	91	115970	18.439	ug/l	99
83) tert-Butylbenzene	12.99	119	122322	18.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	142352	18.947	ug/l	99
85) sec-Butylbenzene	13.17	105	163086	18.289	ug/l	98
86) p-Isopropyltoluene	13.28	119	148483	18.379	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	75225	18.706	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	74929	18.636	ug/l	99
89) n-Butylbenzene	13.61	91	131187	18.461	ug/l	98
90) Hexachloroethane	13.87	117	27189	18.014	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	74301	18.880	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10550	18.342	ug/l	94

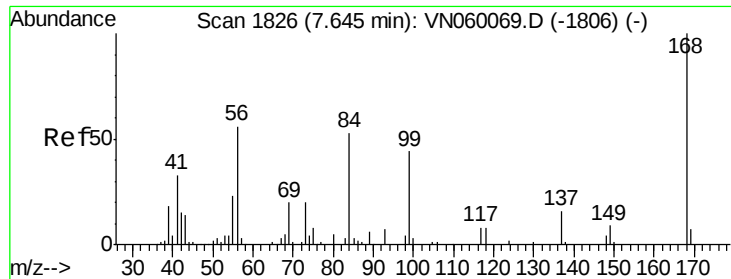
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022120\
 Data File : VN060183.D
 Acq On : 21 Feb 2020 12:30
 Operator : JC/MD
 Sample : VN0221MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 22:23:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42065	18.191	ug/l	98
94) Hexachlorobutadiene	15.01	225	24369	18.001	ug/l	96
95) Naphthalene	15.13	128	114939	18.401	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	42893	18.627	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

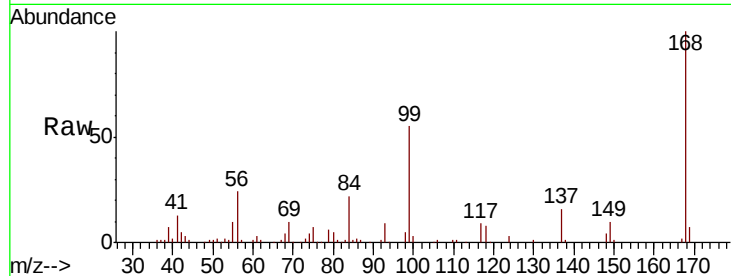
ClientSampleId :

Tot Ion:168 Resp: 176044

Ion Ratio Lower Upper

168 100

99 54.5 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

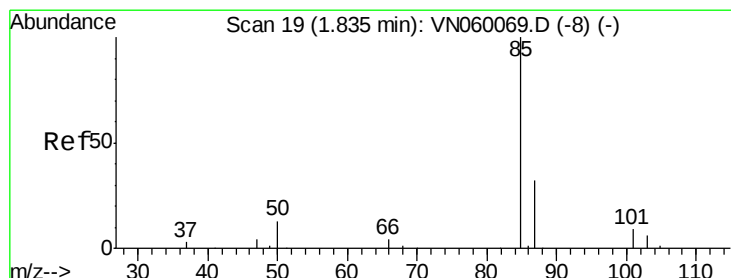
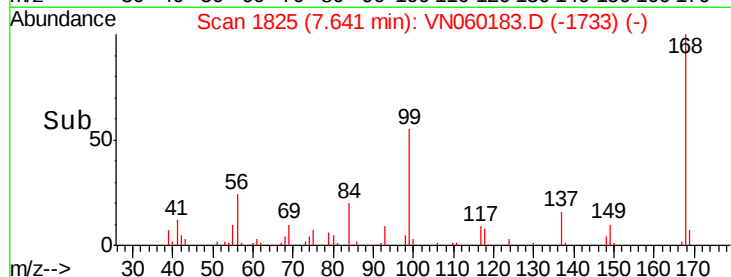
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.058 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060183.D

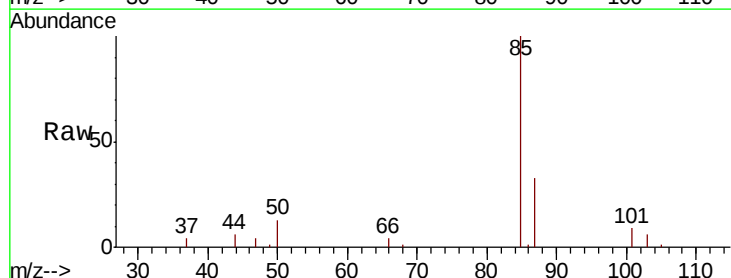
Acq: 21 Feb 2020 12:30

Tgt Ion: 85 Resp: 31776

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

25000

20000

15000

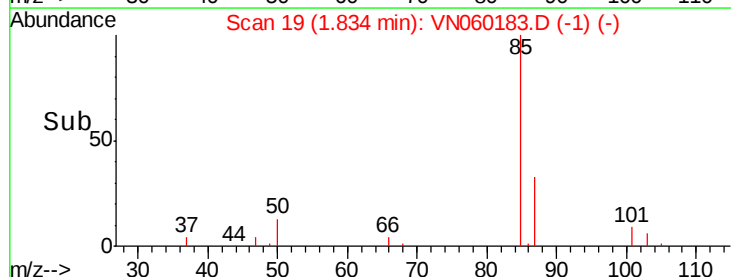
10000

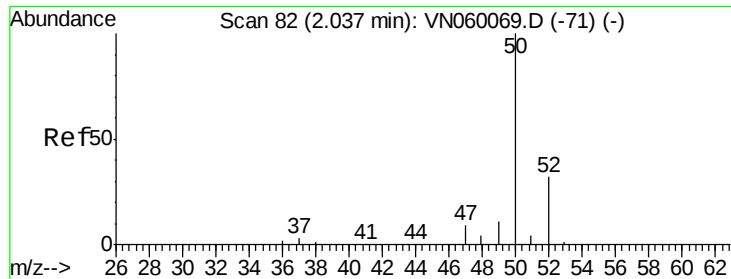
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.380 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

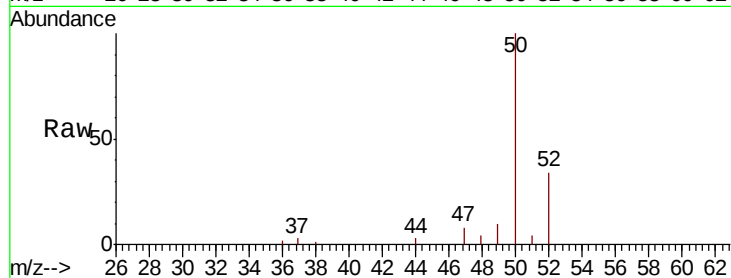
ClientSampleId :

Tot Ion: 50 Resp: 36394

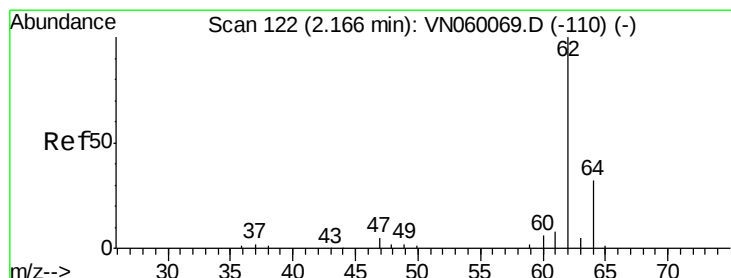
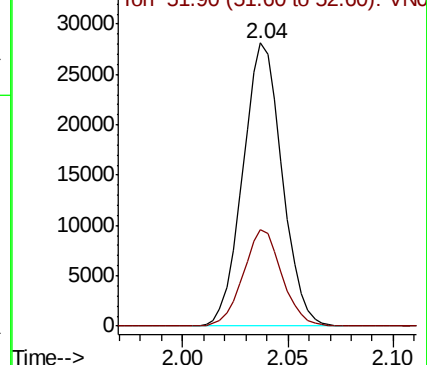
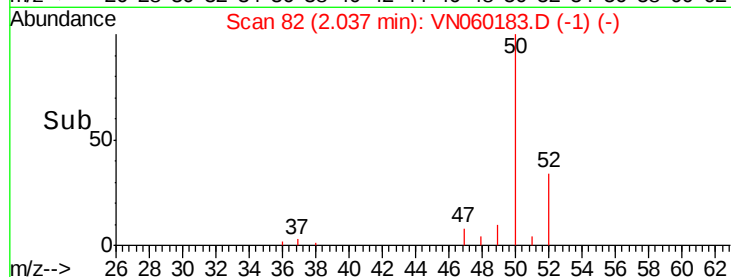
Ion Ratio Lower Upper

50 100

52 34.2 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060183.D (-1) (-)



#4

Vinyl Chloride

Concen: 17.246 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060183.D

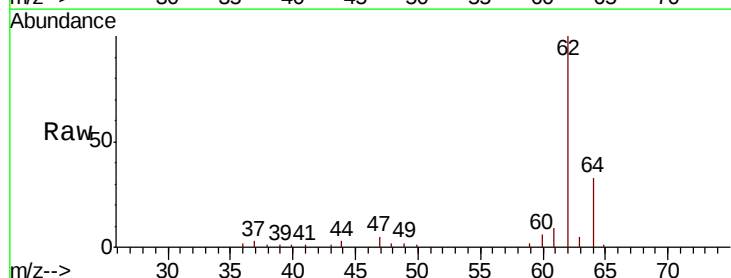
Acq: 21 Feb 2020 12:30

Tgt Ion: 62 Resp: 41164

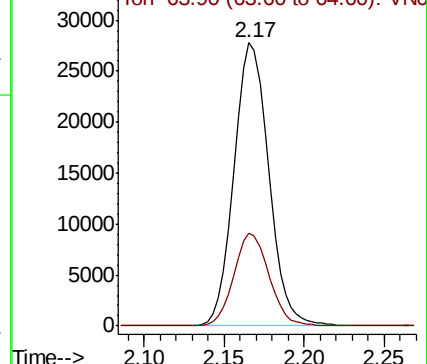
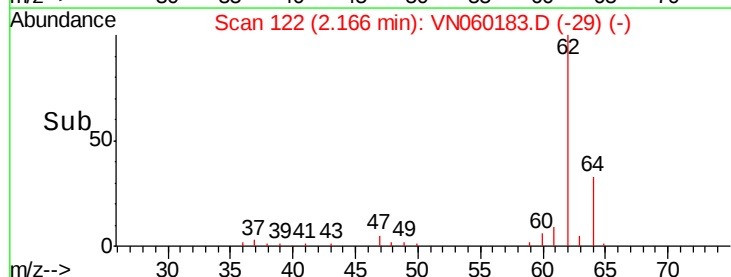
Ion Ratio Lower Upper

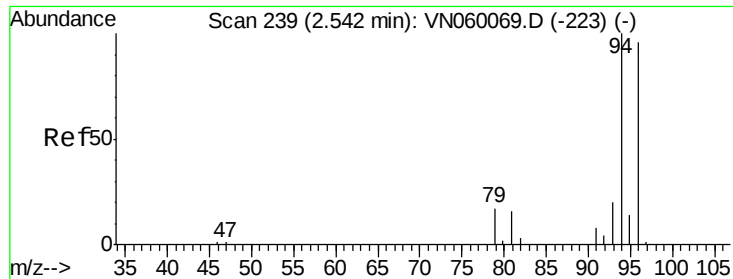
62 100

64 32.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN060183.D (-29) (-)

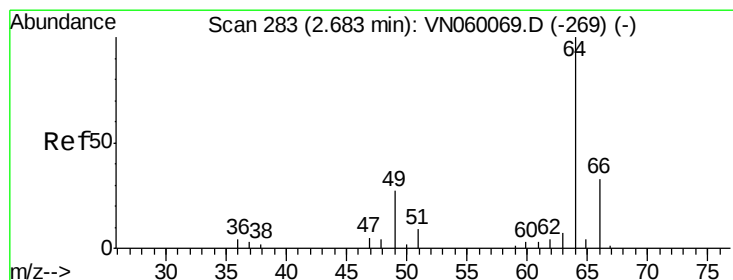
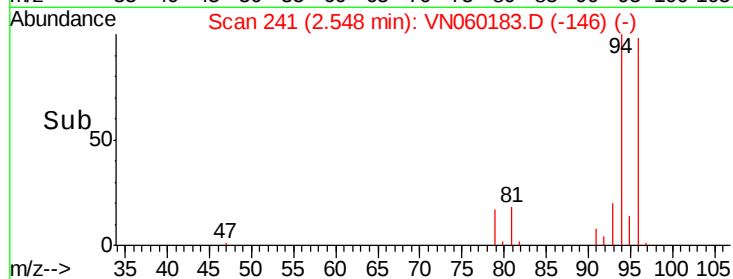
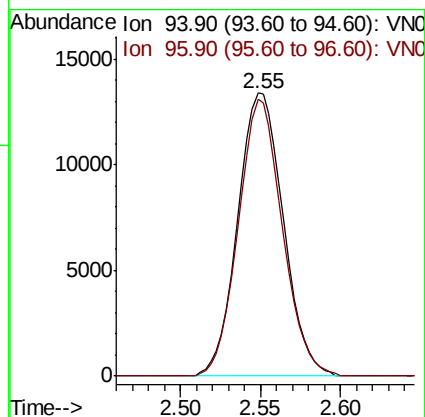
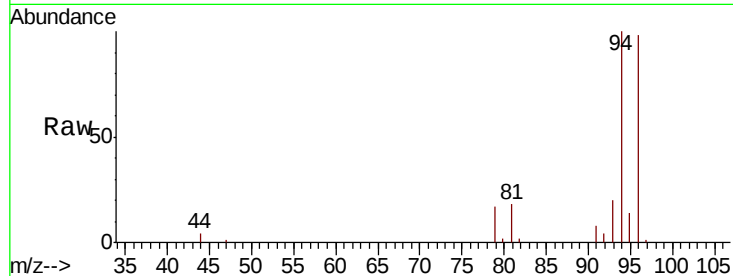




#5
Bromomethane
Concen: 17.782 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

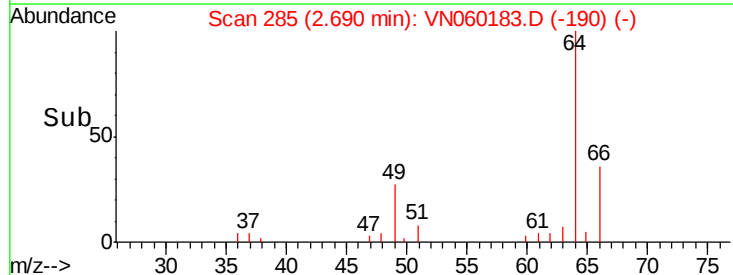
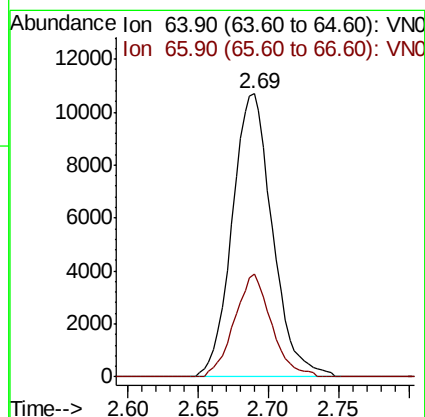
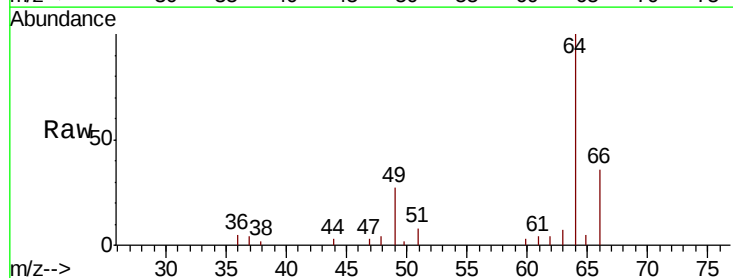
Instrument :
MSVOA_N
ClientSampleId :

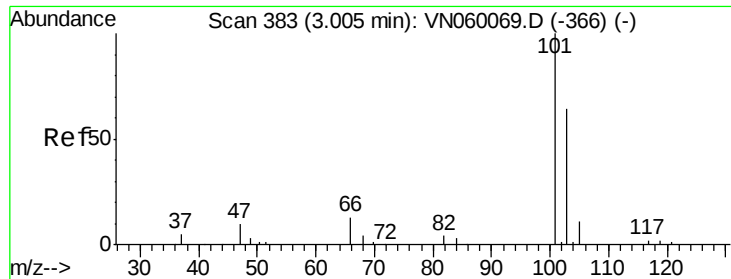
Tot Ion: 94 Resp: 26026
Ion Ratio Lower Upper
94 100
96 97.7 76.7 115.1



#6
Chloroethane
Concen: 17.707 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.01 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 64 Resp: 21377
Ion Ratio Lower Upper
64 100
66 36.2 26.6 40.0



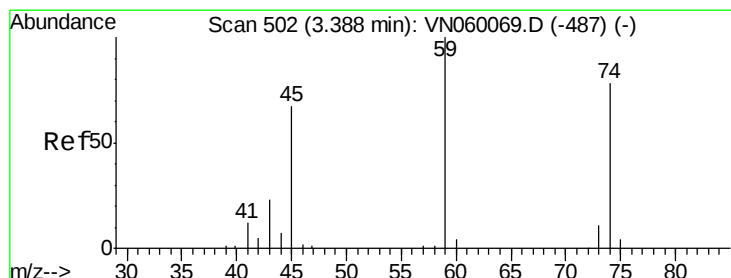
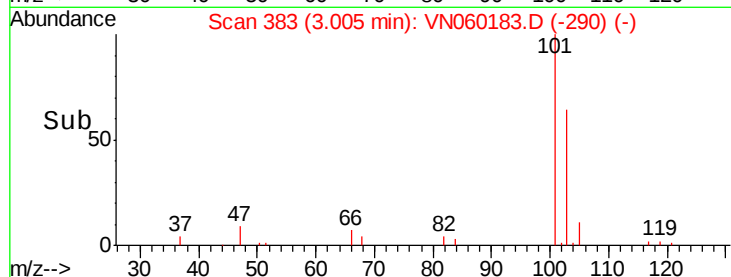
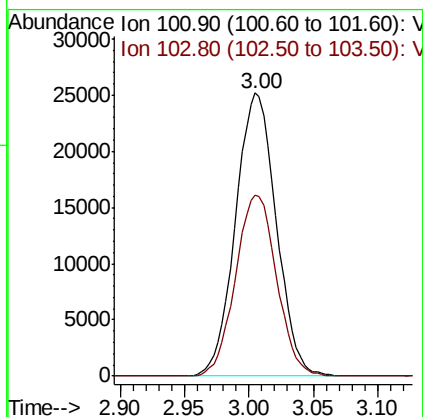
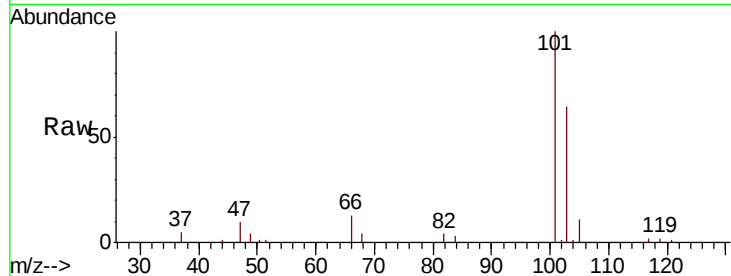


#7

Trichlorofluoromethane
Concen: 17.961 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampled :

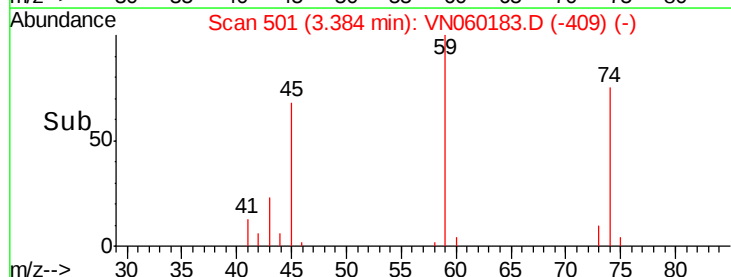
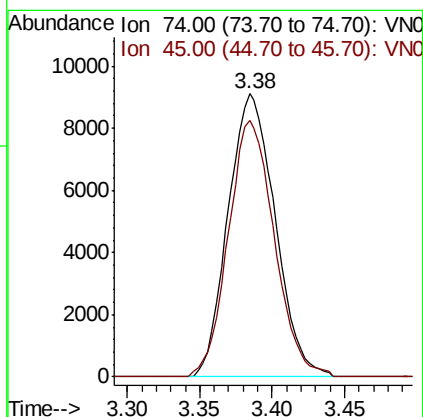
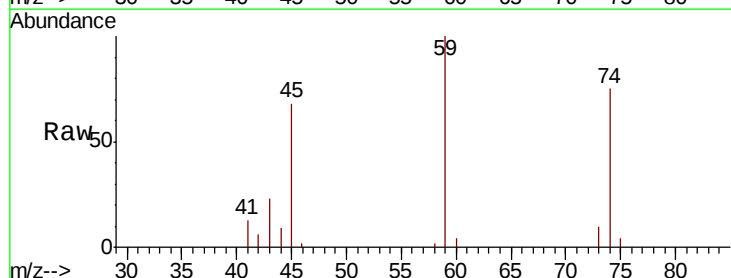
Tot Ion:101 Resp: 55272
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.6

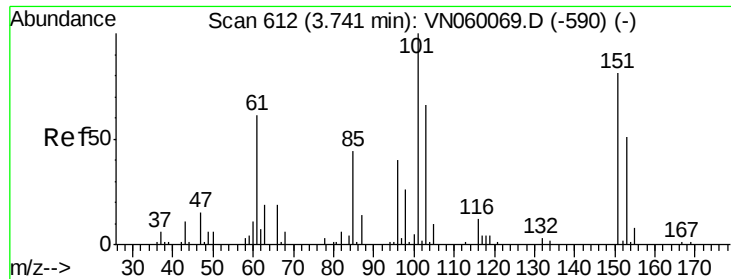


#8

Diethyl Ether
Concen: 20.023 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 74 Resp: 20512
Ion Ratio Lower Upper
74 100
45 88.6 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.333 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

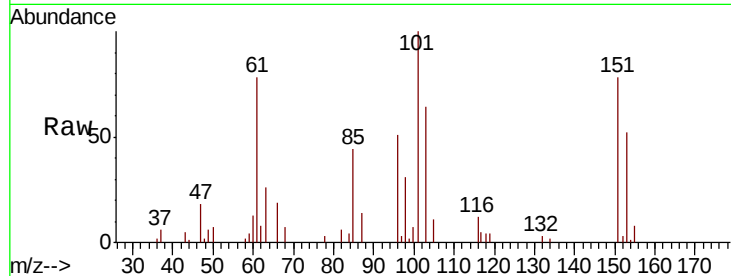
Tot Ion:101 Resp: 31323

Ion Ratio Lower Upper

101 100

85 44.9 35.1 52.7

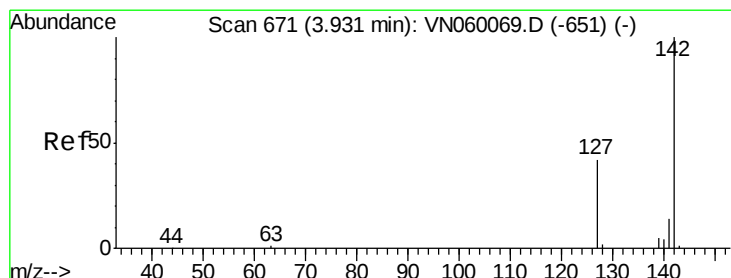
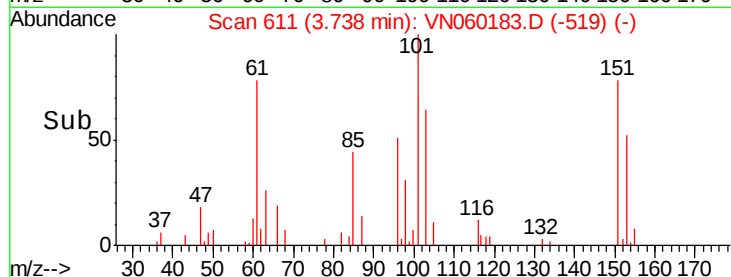
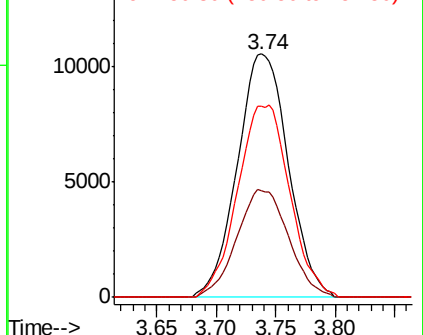
151 80.8 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.750 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

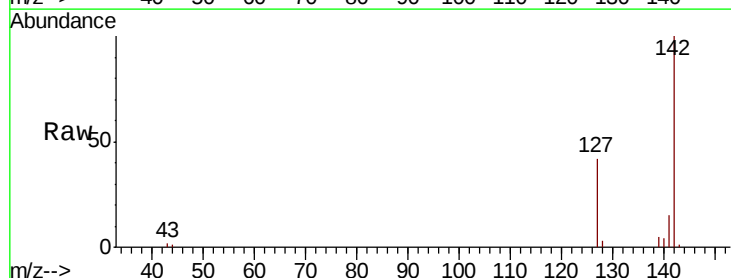
Tgt Ion:142 Resp: 41709

Ion Ratio Lower Upper

142 100

127 43.2 33.6 50.4

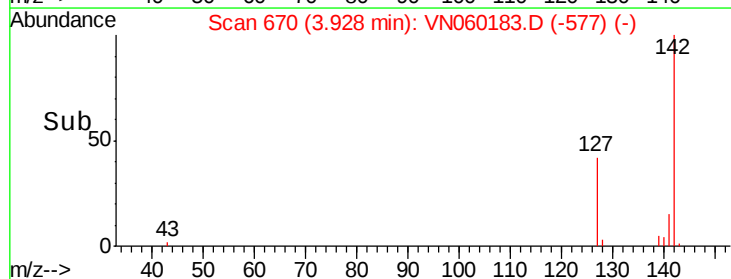
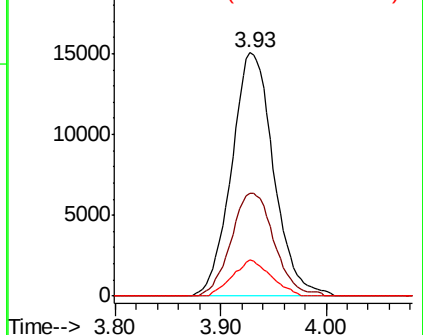
141 13.6 11.4 17.2

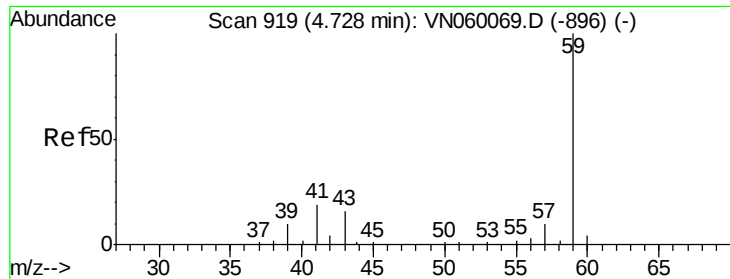


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

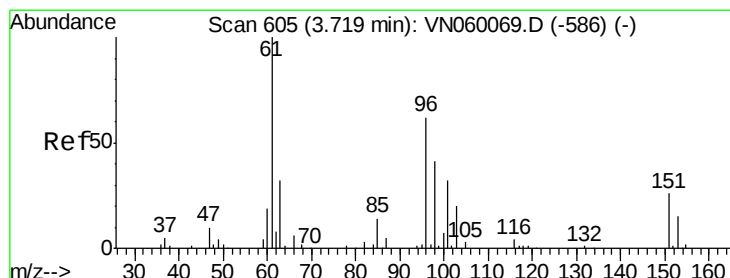
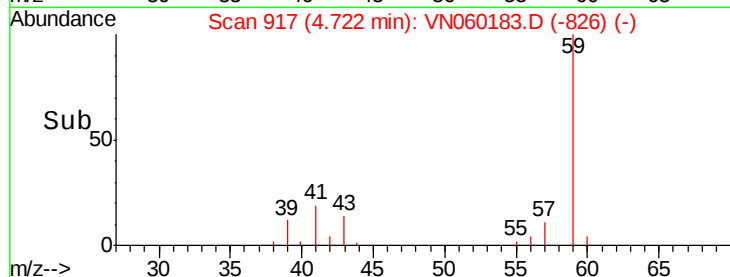
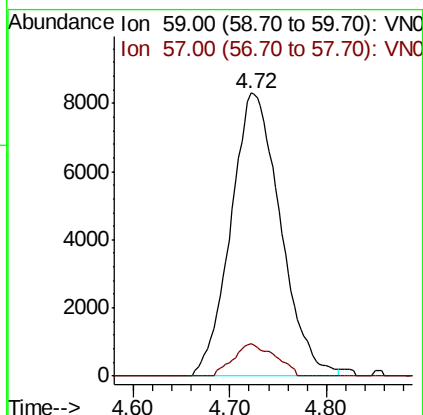
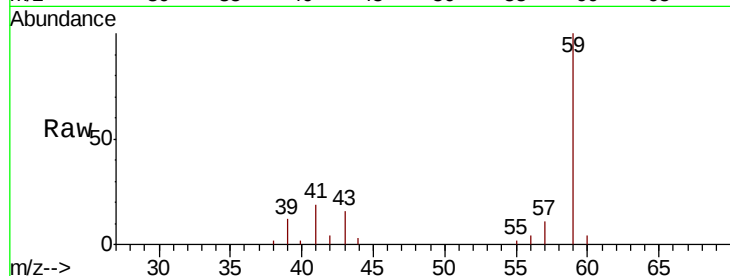




#11
Tert butyl alcohol
Concen: 92.185 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

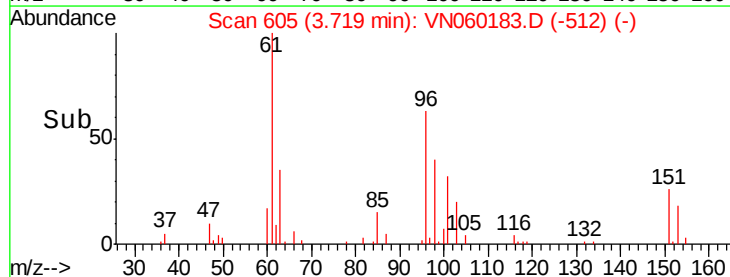
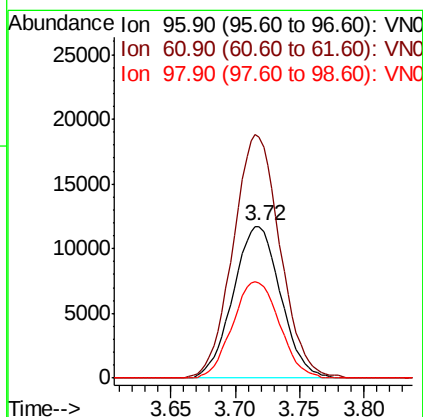
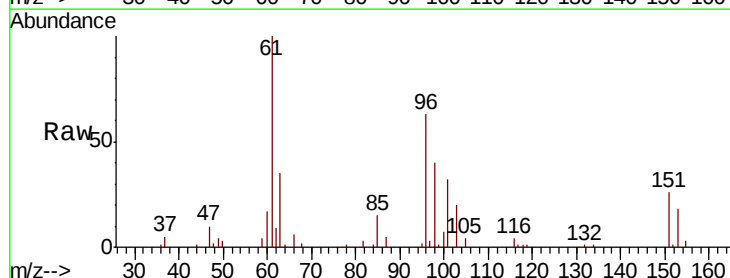
Instrument :
MSVOA_N
ClientSampled :

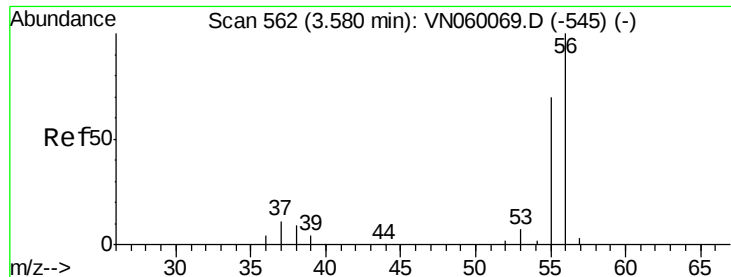
Tot Ion: 59 Resp: 29551
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 18.071 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 96 Resp: 30078
Ion Ratio Lower Upper
96 100
61 157.3 128.3 192.5
98 62.8 52.2 78.4





#13

Acrolein

Concen: 82.056 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

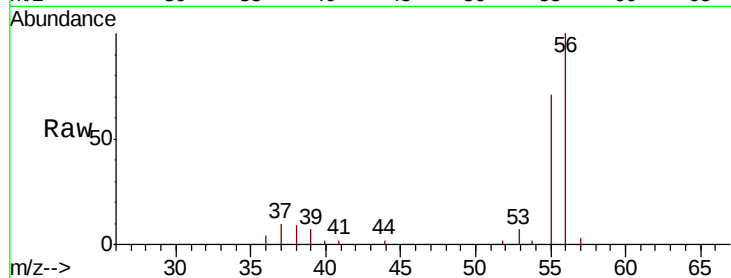
ClientSampled :

Tot Ion: 56 Resp: 26000

Ion Ratio Lower Upper

56 100

55 71.8 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) (-)

12000

10000

8000

6000

4000

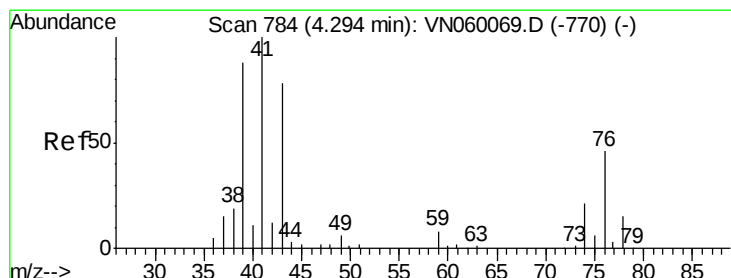
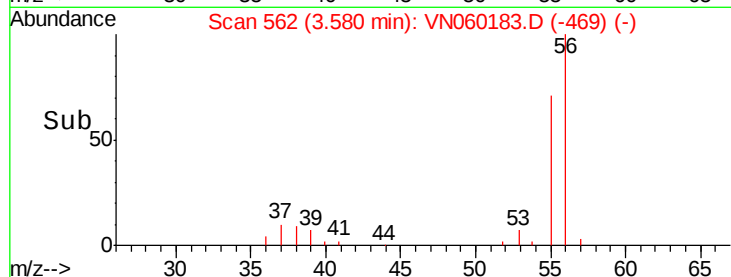
2000

0

Time-->

3.50 3.55 3.60 3.65 3.70

3.58



#14

Allyl chloride

Concen: 18.121 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

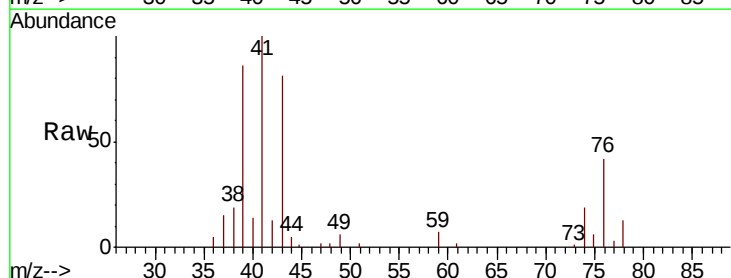
Tgt Ion: 41 Resp: 44392

Ion Ratio Lower Upper

41 100

39 82.5 67.8 101.8

76 41.0 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) (-)

20000

15000

10000

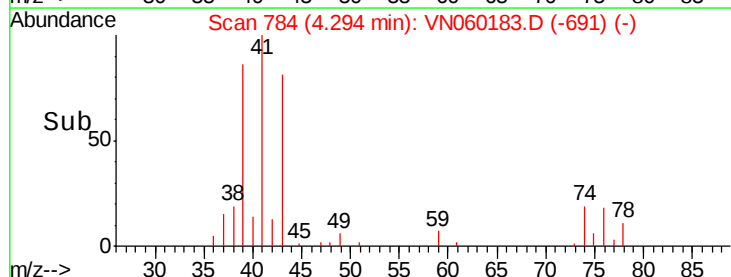
5000

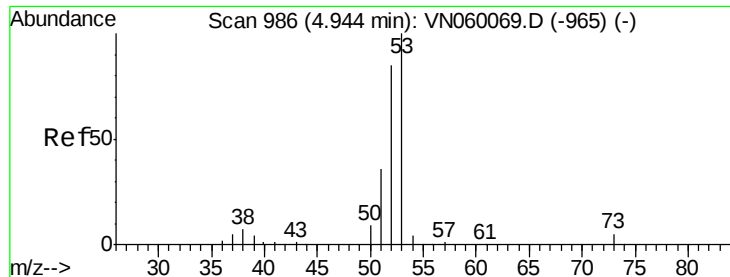
0

Time-->

4.20 4.25 4.30 4.35 4.40

4.29





#15

Acrylonitrile

Concen: 99.744 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

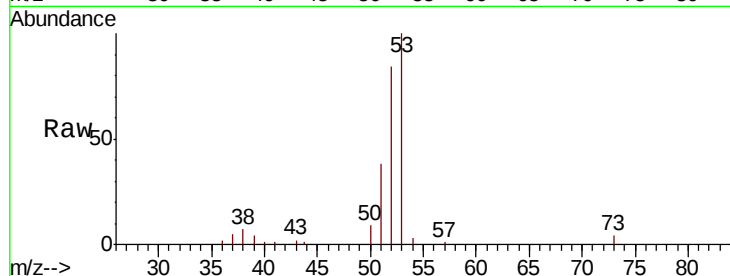
Tot Ion: 53 Resp: 78085

Ion Ratio Lower Upper

53 100

52 82.6 66.8 100.2

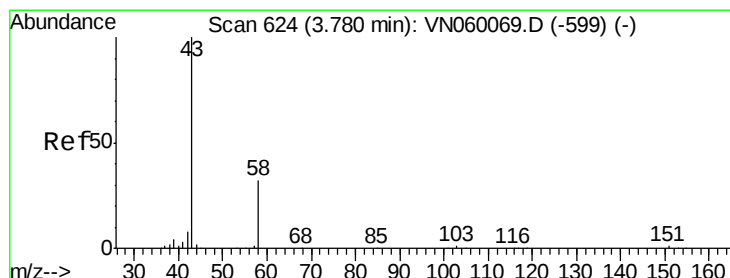
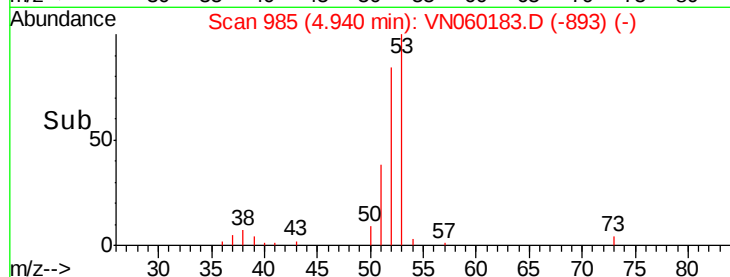
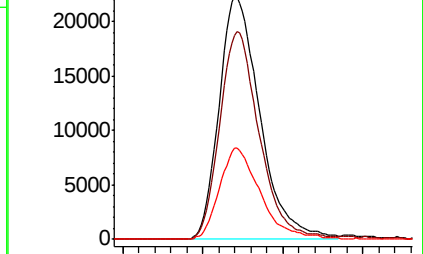
51 36.9 29.4 44.0



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: 80.493 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060183.D

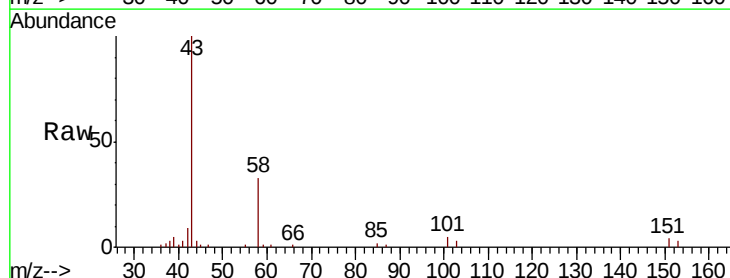
Acq: 21 Feb 2020 12:30

Tgt Ion: 43 Resp: 75212

Ion Ratio Lower Upper

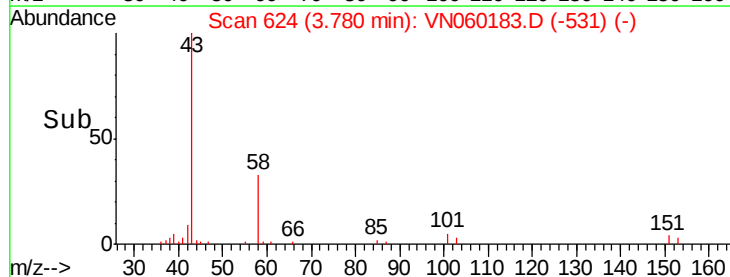
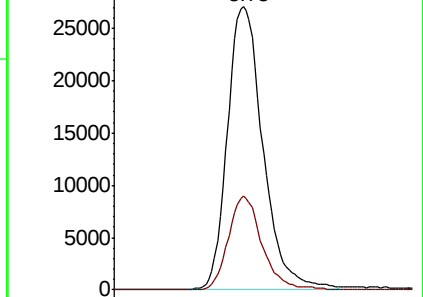
43 100

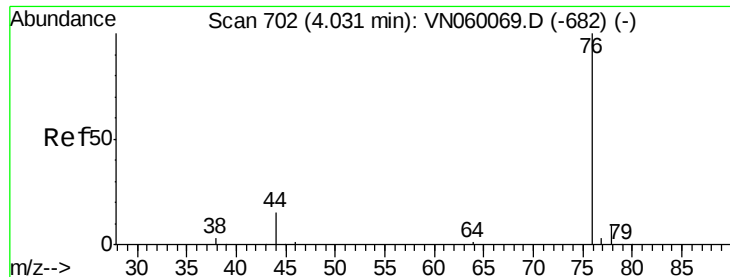
58 33.0 25.2 37.8



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

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

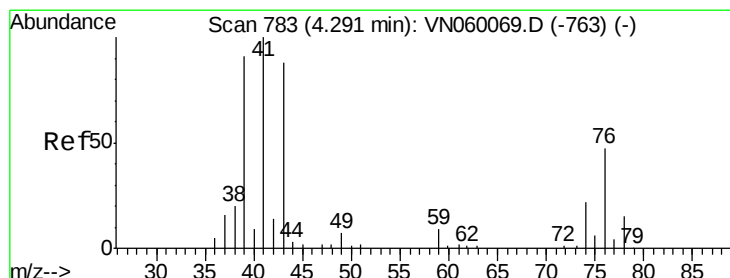
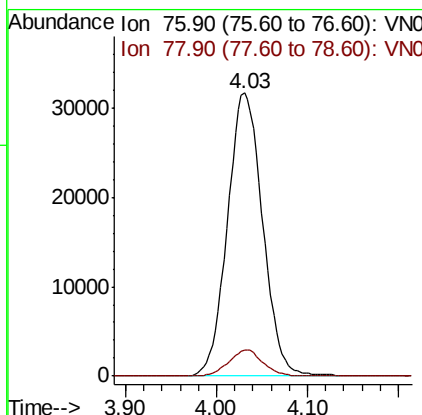
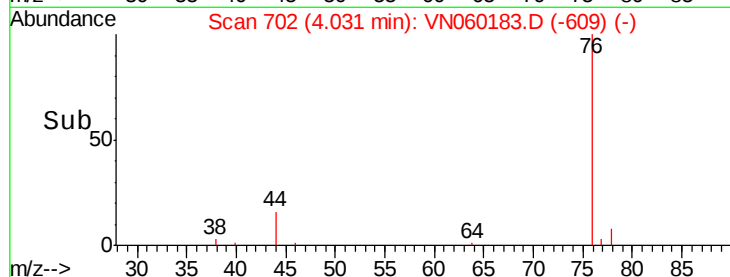
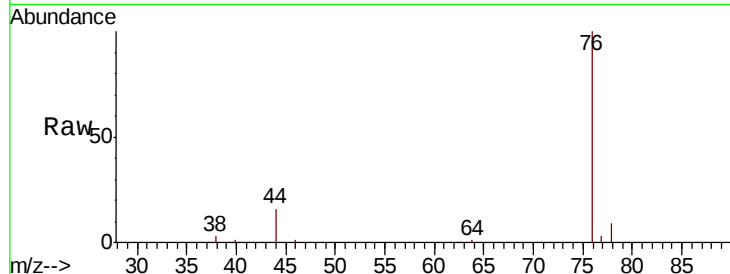




#17
Carbon Disulfide
Concen: 16.934 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

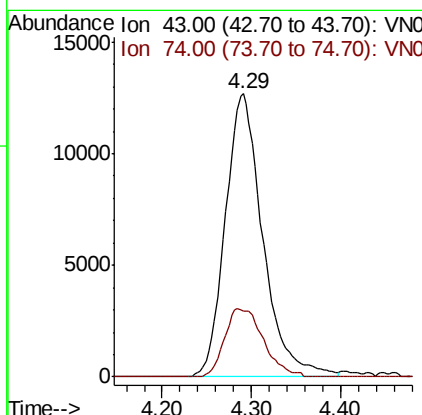
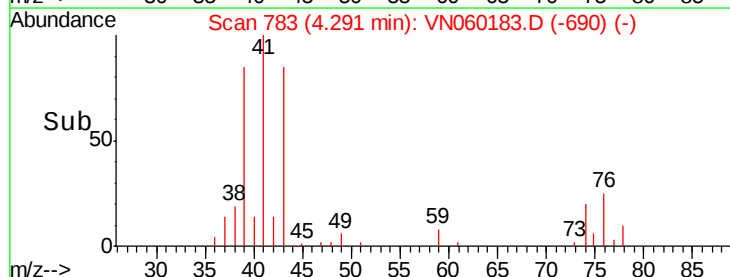
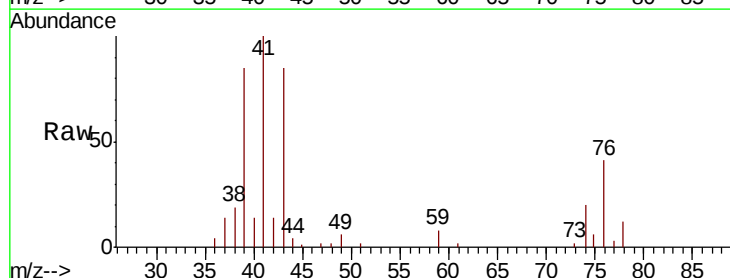
Instrument :
MSVOA_N
ClientSampleId :

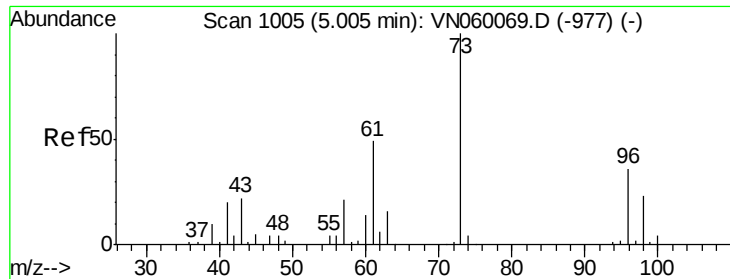
Tot Ion: 76 Resp: 84956
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 21.061 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 43 Resp: 36968
Ion Ratio Lower Upper
43 100
74 25.0 20.3 30.5

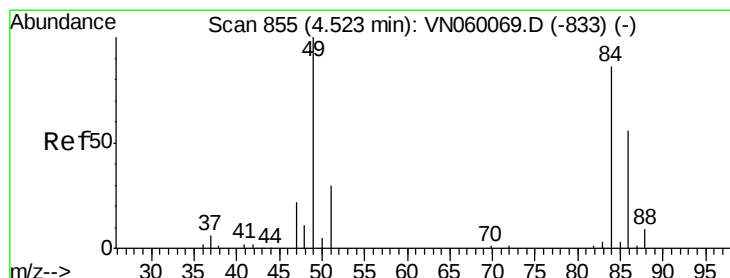
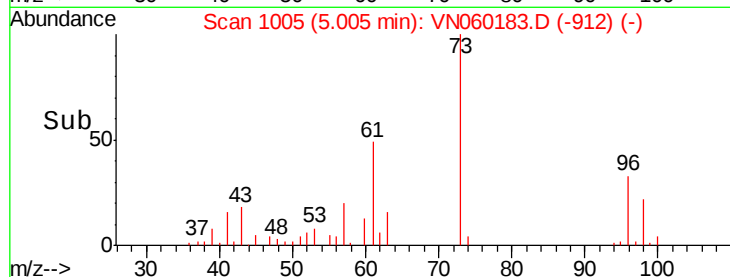
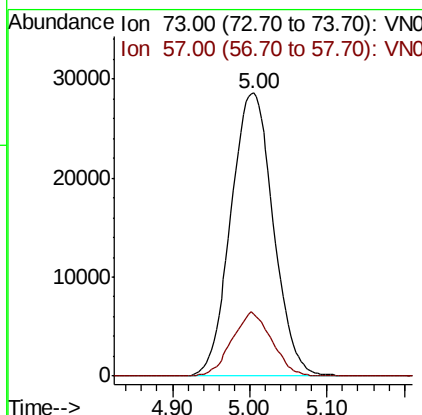
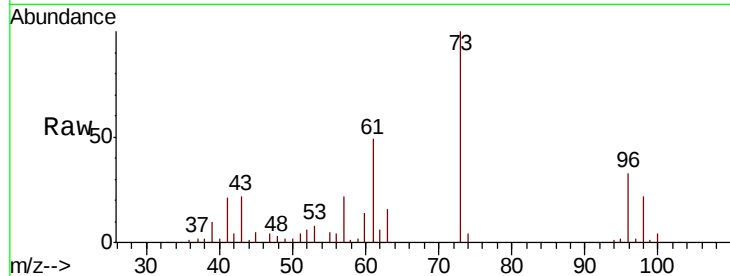




#19
Methvl tert-butvl Ether
Concen: 19.477 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

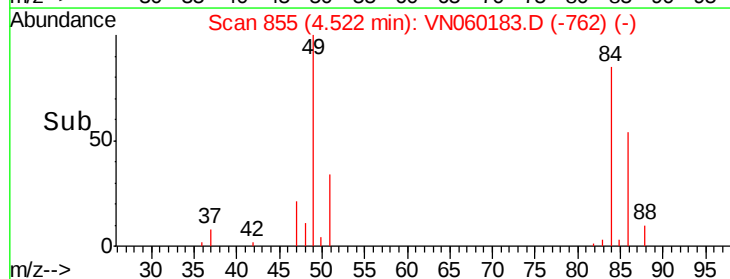
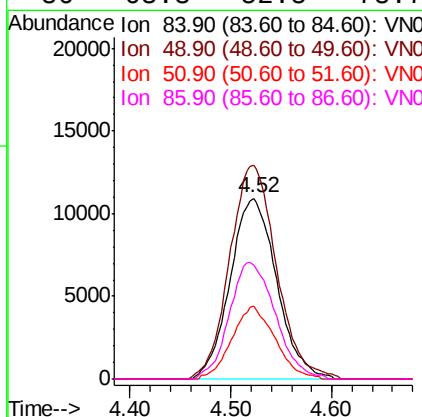
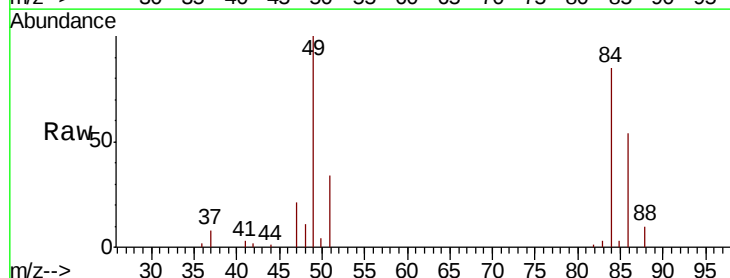
Instrument :
MSVOA_N
ClientSampled :

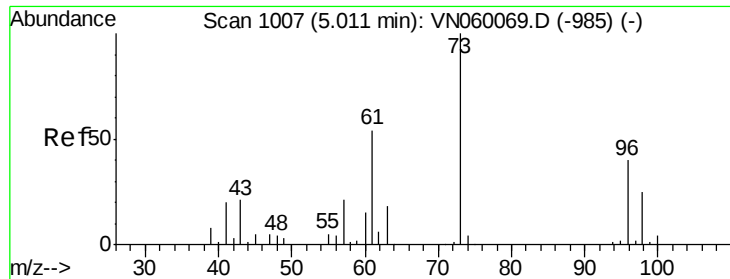
Tot Ion: 73 Resp: 109021
Ion Ratio Lower Upper
73 100
57 22.1 17.2 25.8



#20
Methylene Chloride
Concen: 18.825 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 84 Resp: 35094
Ion Ratio Lower Upper
84 100
49 118.1 93.4 140.0
51 40.7 28.4 42.6
86 63.3 52.5 78.7

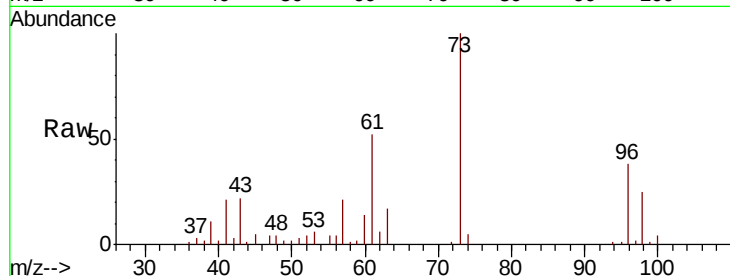




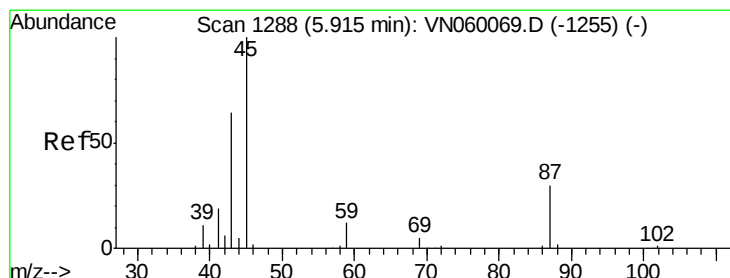
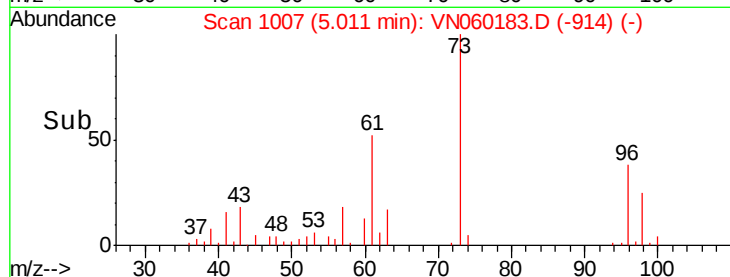
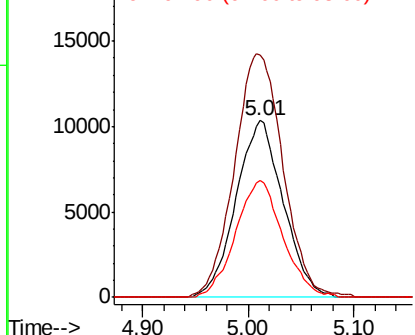
#21
trans-1,2-Dichloroethene
Concen: 17.758 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 32220
Ion Ratio Lower Upper
96 100
61 137.3 109.3 163.9
98 66.3 51.0 76.6

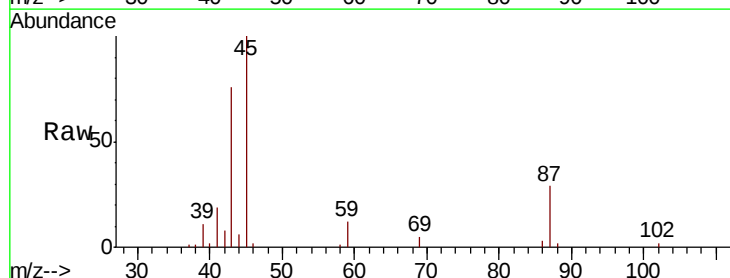


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

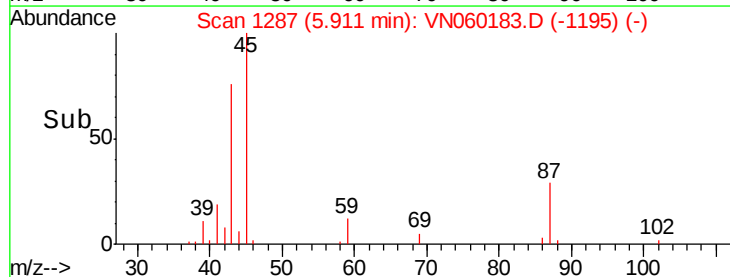
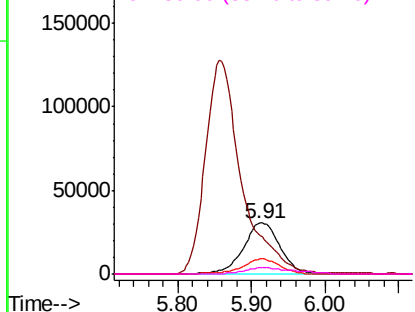


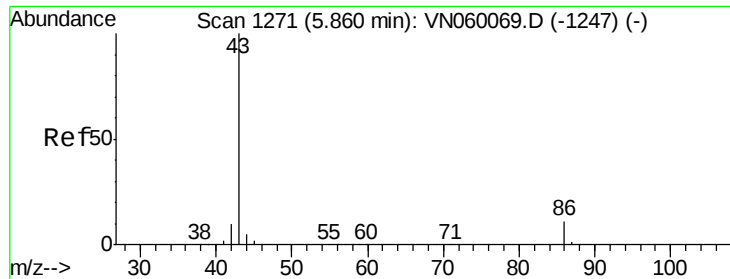
#22
Diisopropyl ether
Concen: 19.630 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 45 Resp: 105393
Ion Ratio Lower Upper
45 100
43 73.7 55.9 83.9
87 28.9 24.5 36.7
59 12.0 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

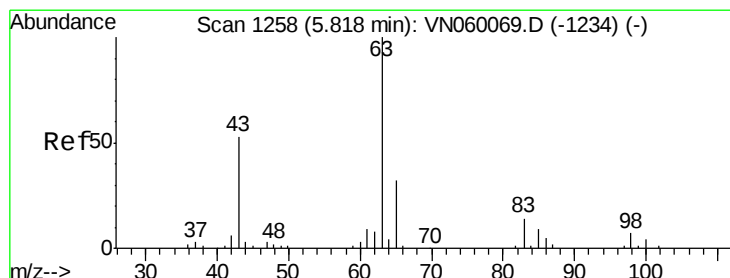
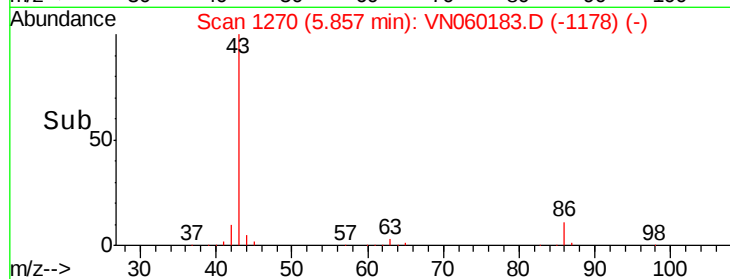
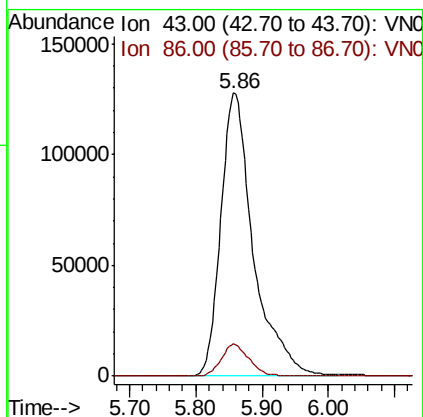
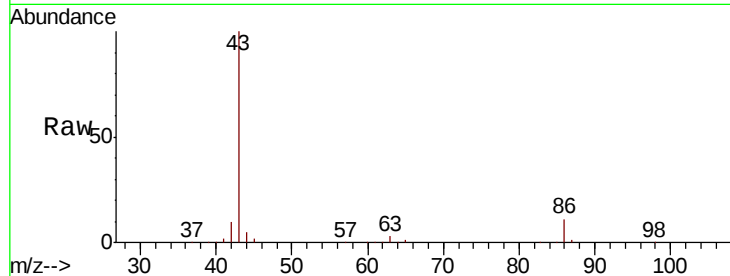




#23
 Vinyl Acetate
 Concen: 96.900 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

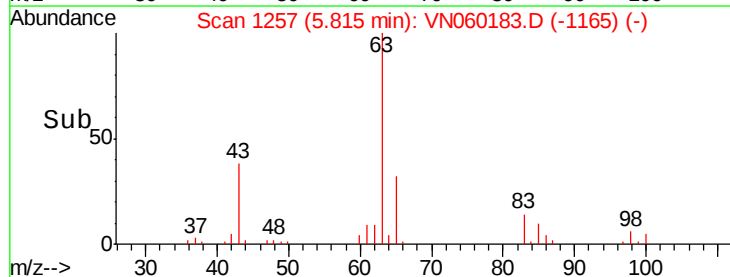
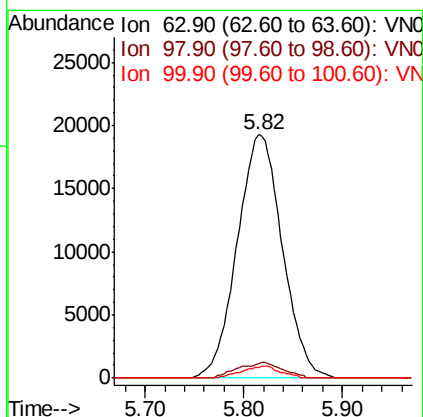
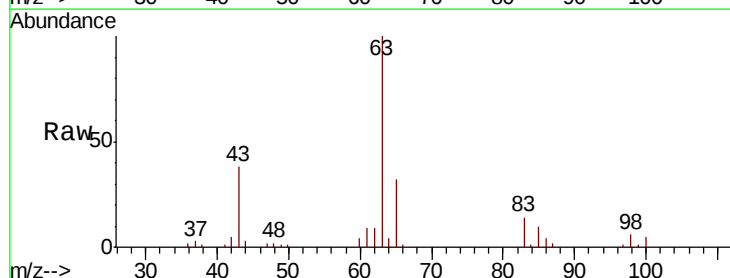
Instrument :
 MSVOA_N
 ClientSampled :

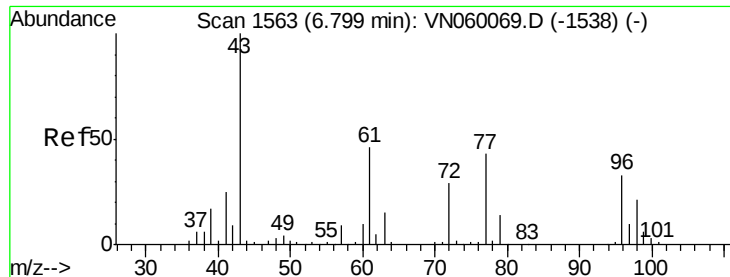
Tot Ion: 43 Resp: 436890
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 18.744 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion: 63 Resp: 60965
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 4.6 2.2 6.6

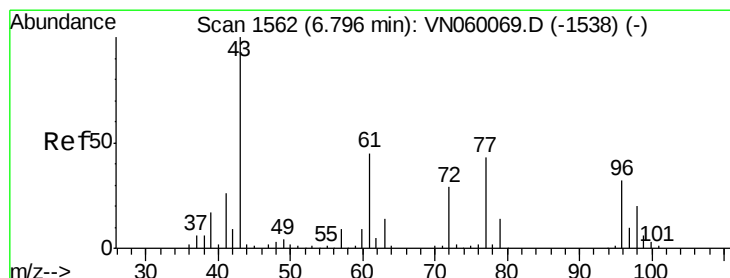
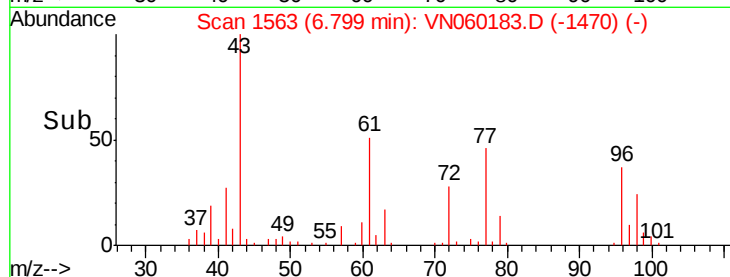
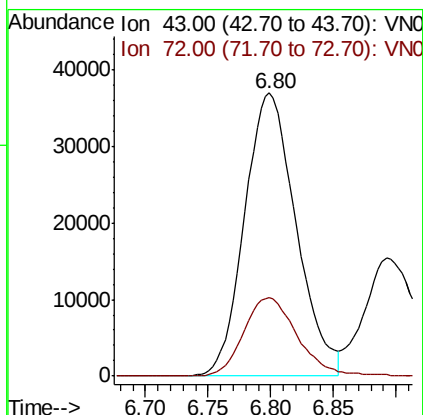
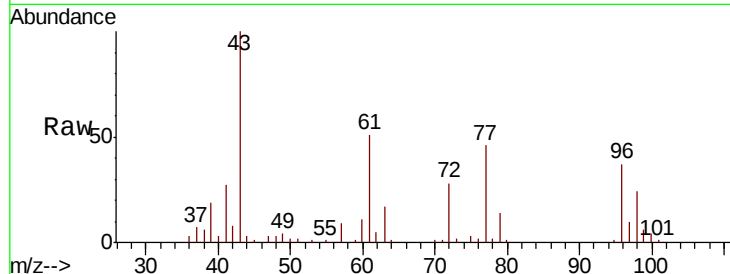




#25
2-Butanone
Concen: 89.893 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

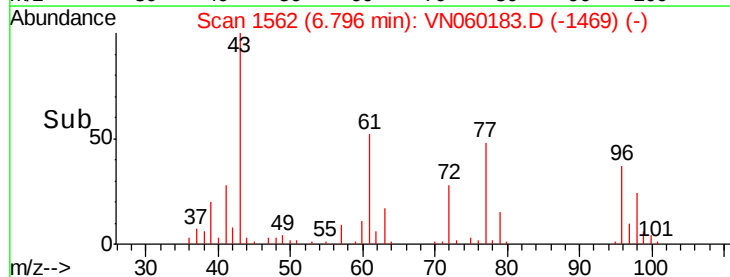
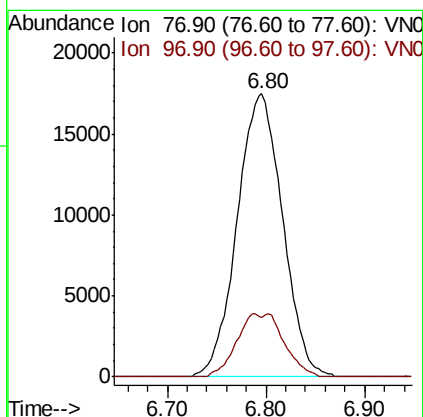
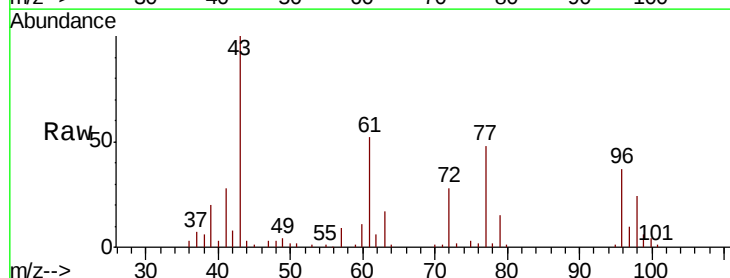
Instrument :
MSVOA_N
ClientSampled :

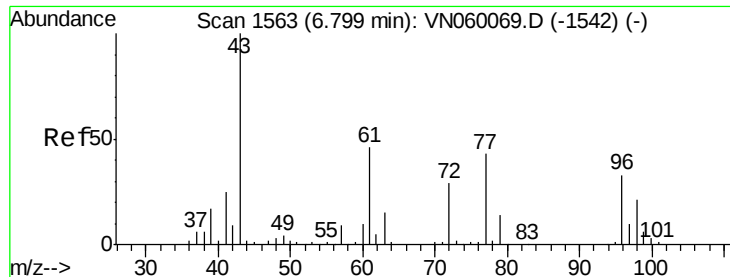
Tot Ion: 43 Resp: 105639
Ion Ratio Lower Upper
43 100
72 27.8 23.3 34.9



#26
2,2-Dichloropropane
Concen: 18.037 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 77 Resp: 55721
Ion Ratio Lower Upper
77 100
97 12.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 18.510 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

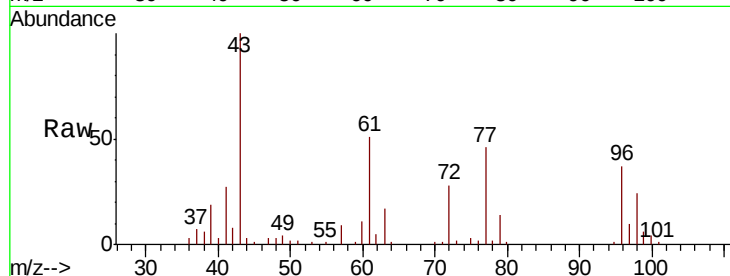
Tot Ion: 96 Resp: 39303

Ion Ratio Lower Upper

96 100

61 142.3 0.0 285.8

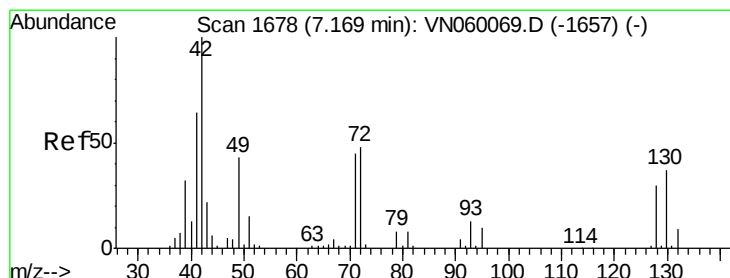
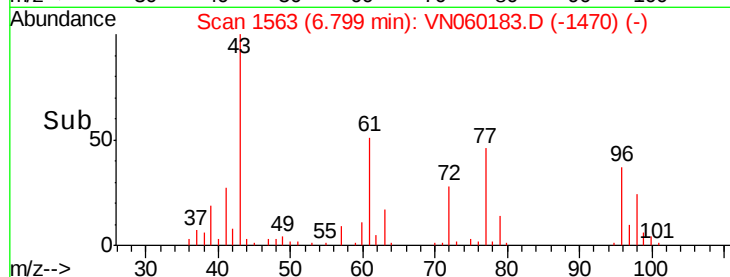
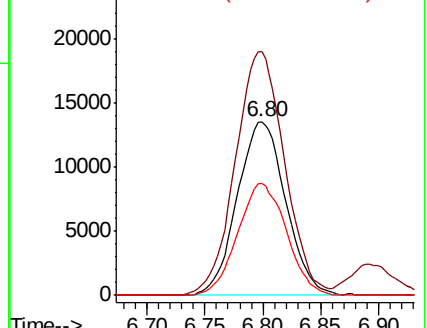
98 64.6 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN060069.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN060069.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1542) (-)



#28

Bromochloromethane

Concen: 18.358 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

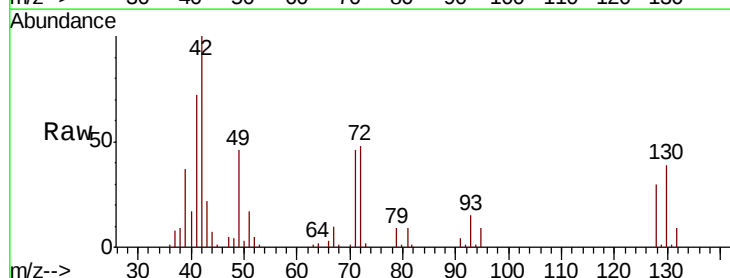
Tgt Ion: 49 Resp: 23474

Ion Ratio Lower Upper

49 100

129 0.7 0.0 2.2

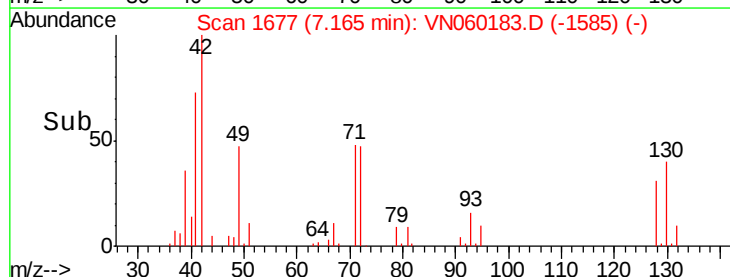
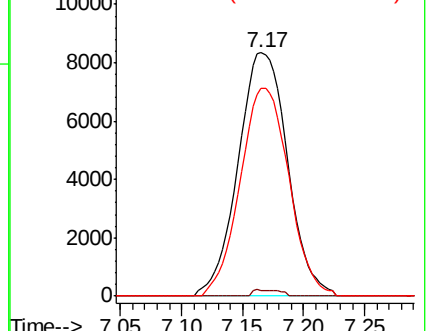
130 84.0 66.8 100.2

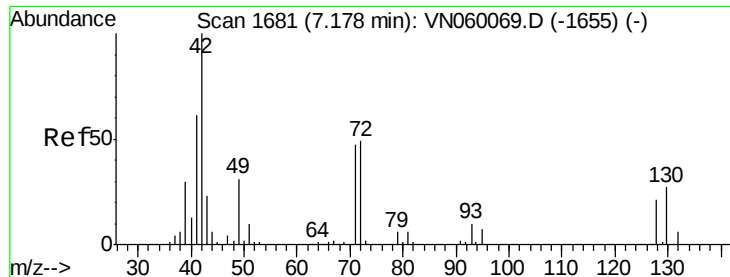


Abundance Ion 48.90 (48.60 to 49.60): VN060069.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN060069.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN060069.D (-1657) (-)

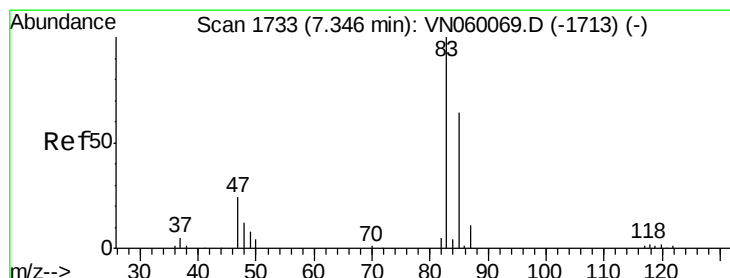
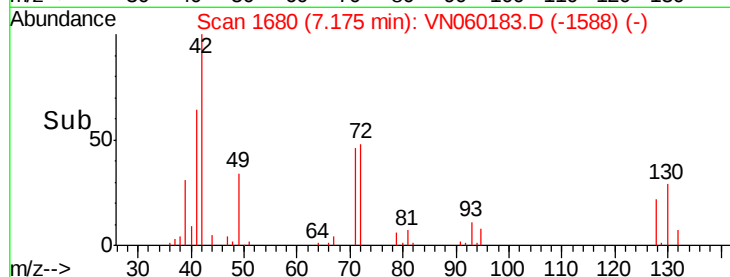
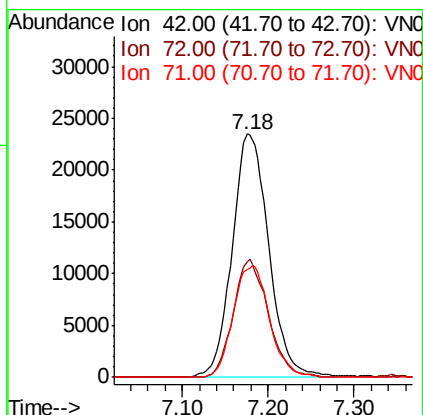
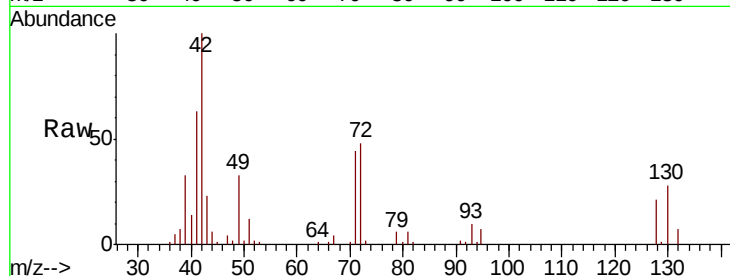




#29
Tetrahydrofuran
Concen: 96.396 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

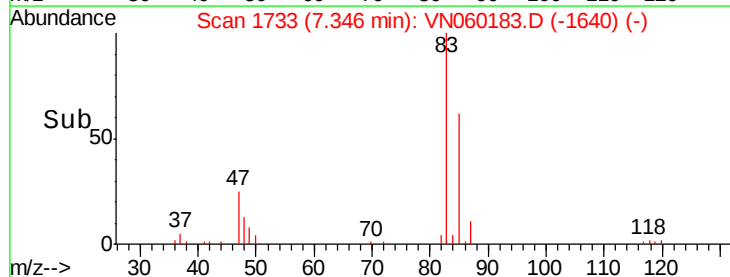
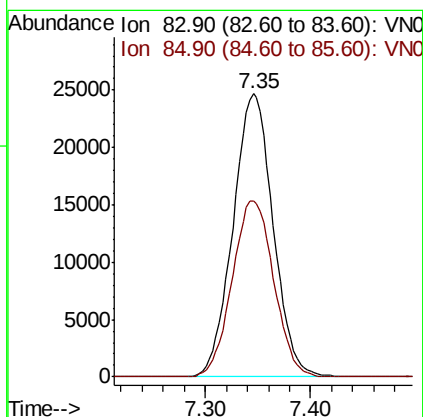
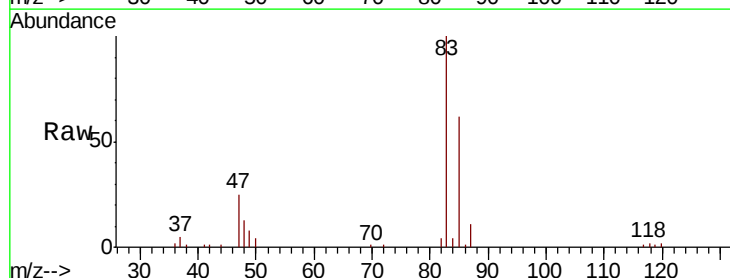
Instrument :
MSVOA_N
ClientSampled :

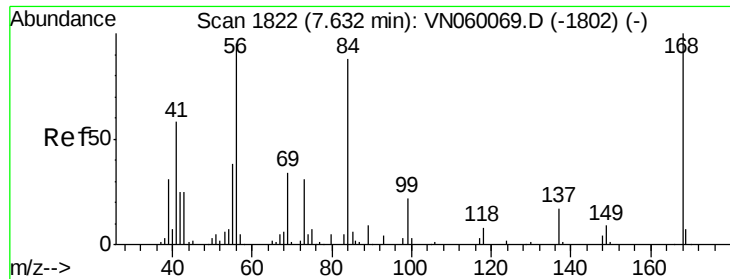
Tot Ion: 42 Resp: 69496
Ion Ratio Lower Upper
42 100
72 46.1 38.2 57.4
71 45.4 36.6 54.8



#30
Chloroform
Concen: 19.088 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 83 Resp: 65033
Ion Ratio Lower Upper
83 100
85 62.2 51.4 77.0

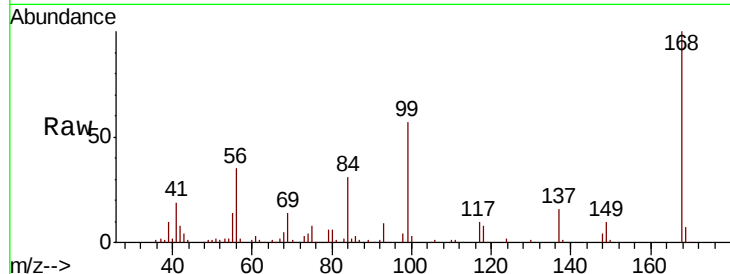




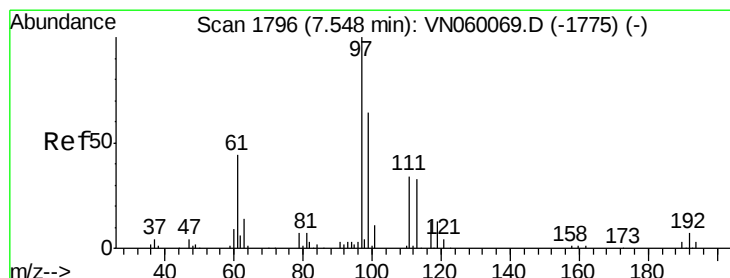
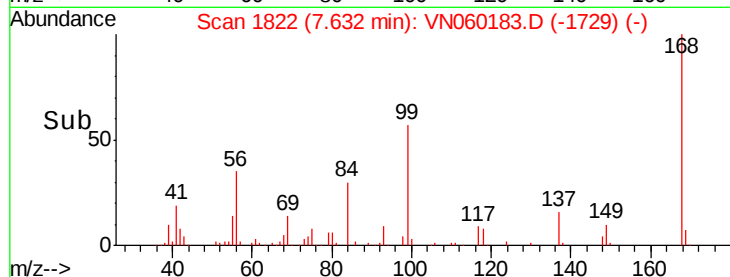
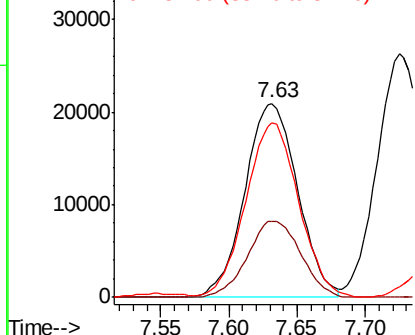
#31
Cyclohexane
Concen: 18.558 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 56226
Ion Ratio Lower Upper
56 100
69 39.4 28.3 42.5
84 88.8 72.6 108.8

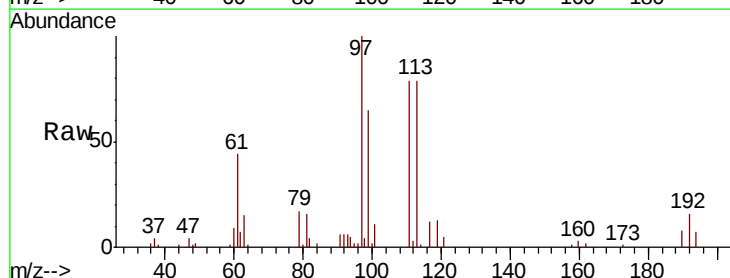


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

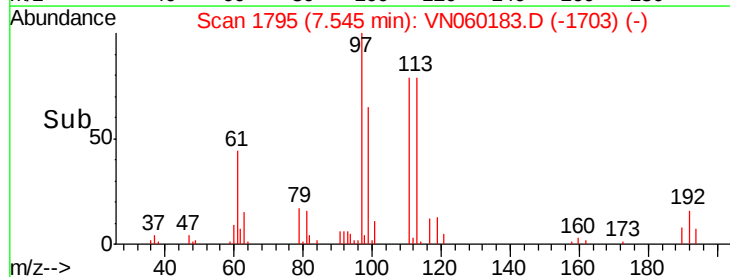
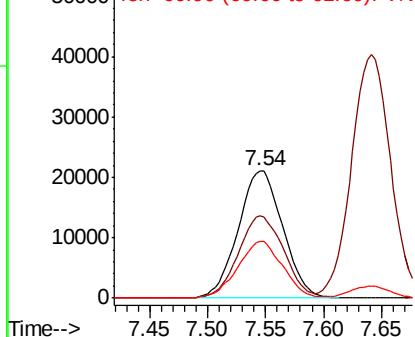


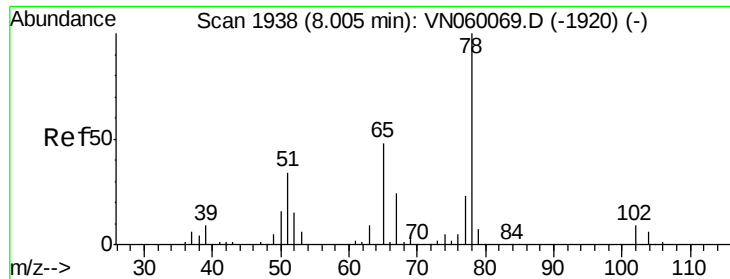
#32
1,1,1-Trichloroethane
Concen: 18.140 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 97 Resp: 56476
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.0
61 44.8 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

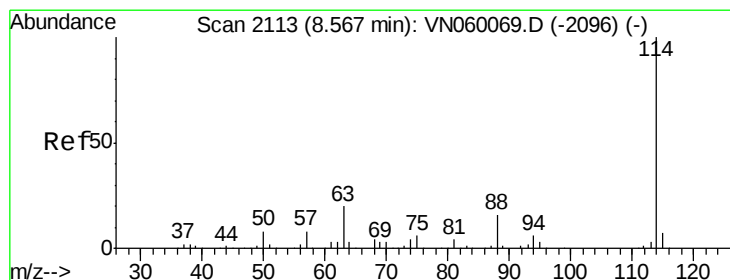
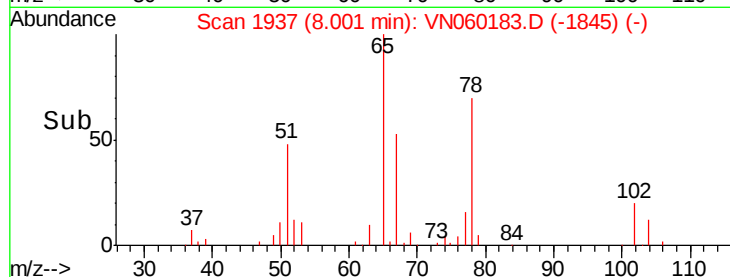
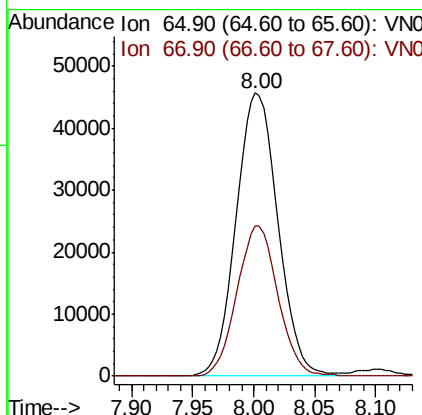
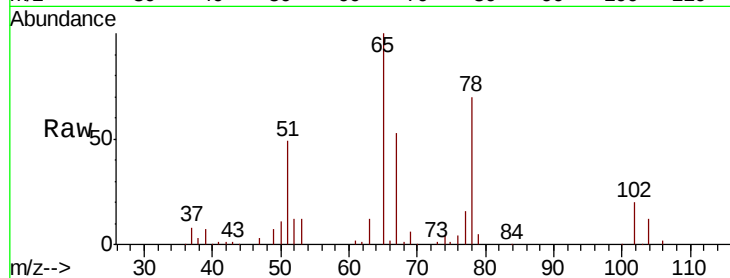




#33
 1,2-Dichloroethane-d4
 Concen: 50.557 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

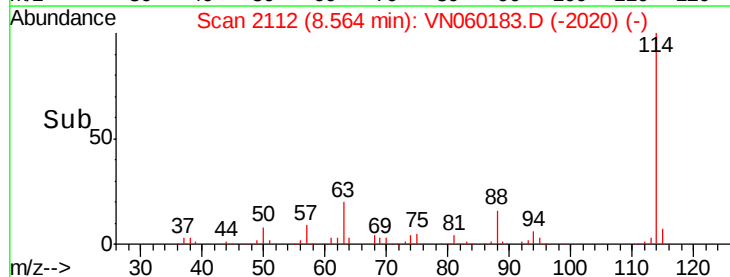
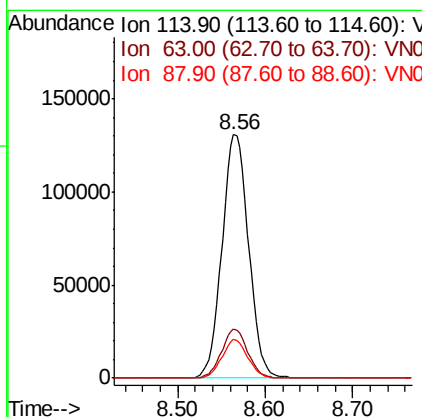
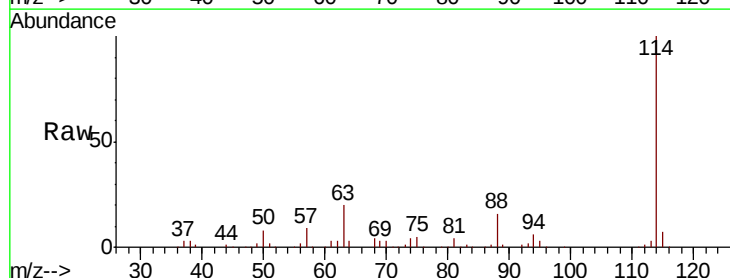
Instrument :
 MSVOA_N
 ClientSampled :

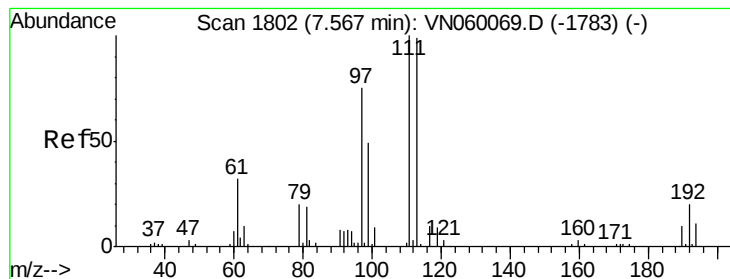
Tot Ion: 65 Resp: 108300
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion: 114 Resp: 276567
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.443 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

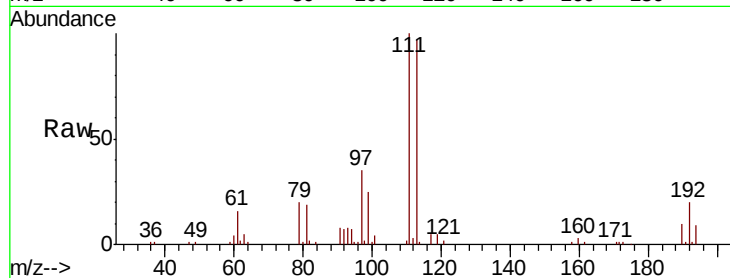
Tot Ion:113 Resp: 85756

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.2

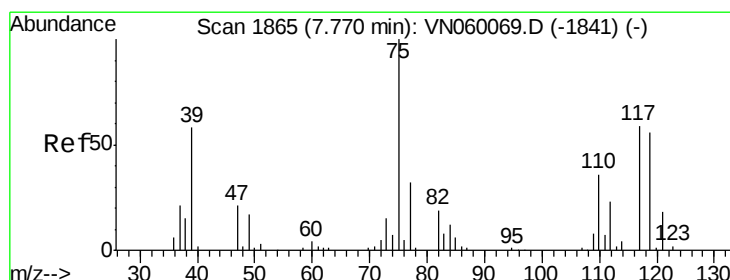
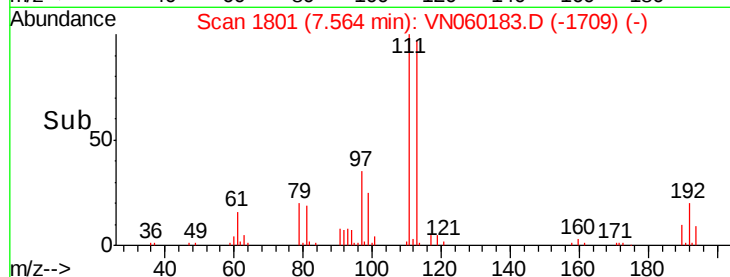
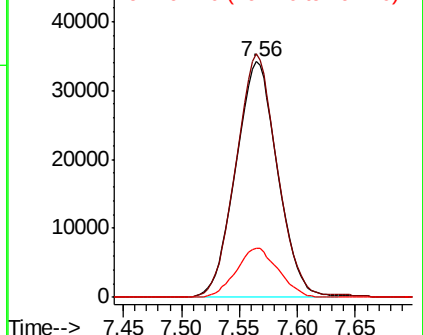
192 20.9 16.2 24.2



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: 18.438 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

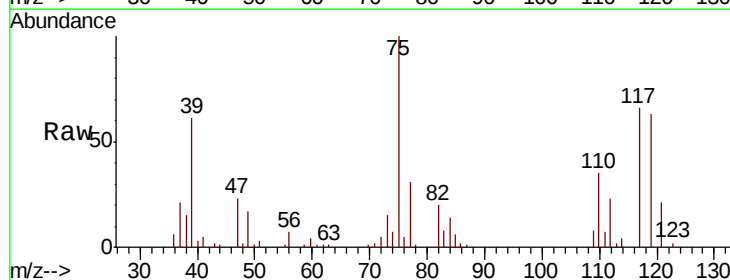
Tgt Ion: 75 Resp: 47232

Ion Ratio Lower Upper

75 100

110 35.7 18.1 54.3

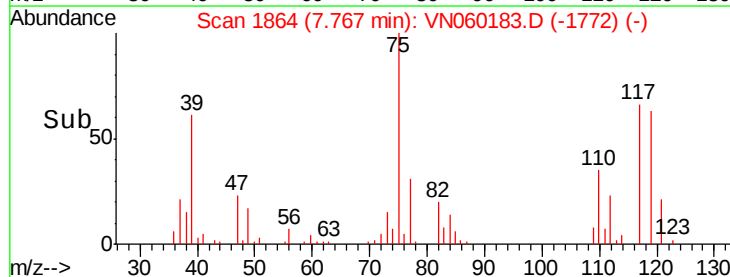
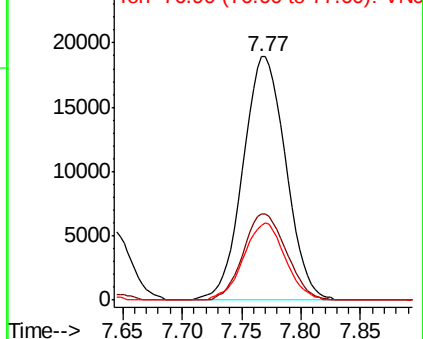
77 30.7 25.1 37.7

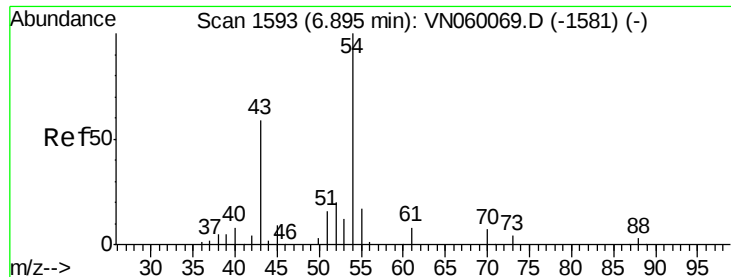


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

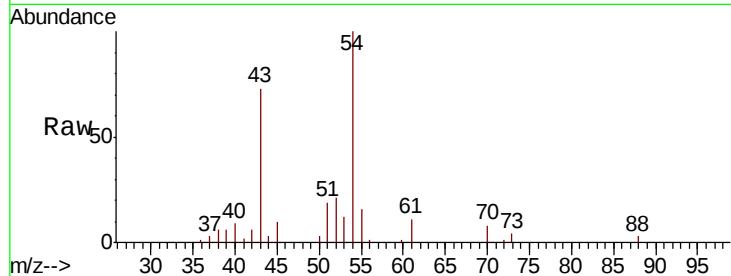




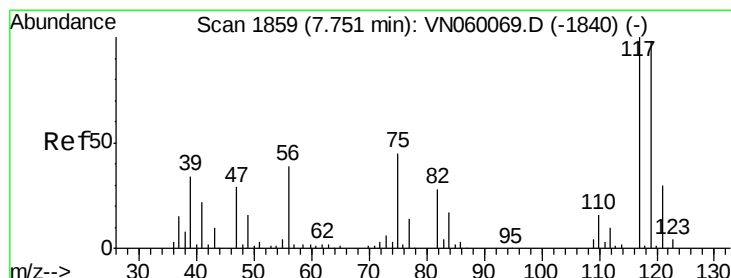
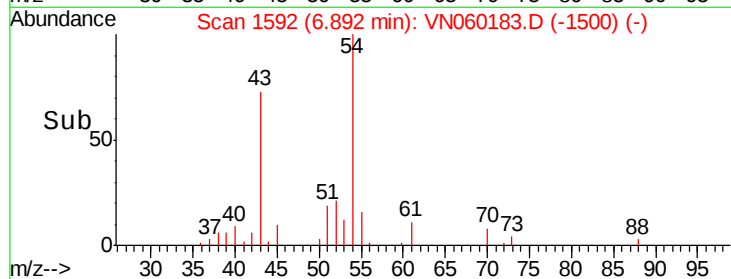
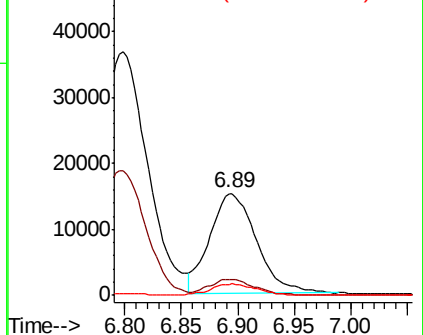
#37
Ethyl Acetate
Concen: 19.070 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 44151
Ion Ratio Lower Upper
43 100
61 15.6 11.4 17.2
70 10.9 8.7 13.1

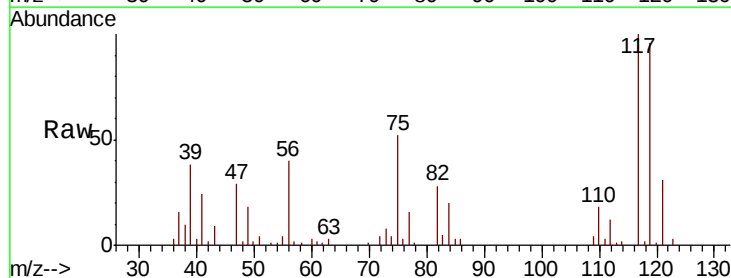


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

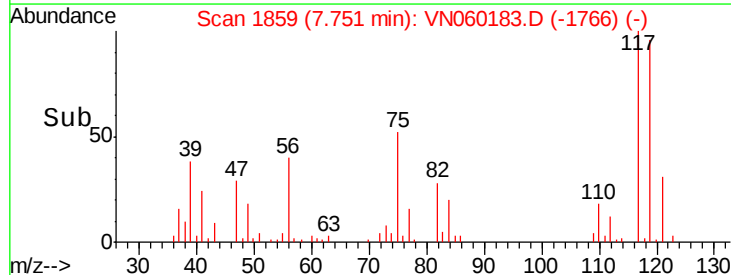
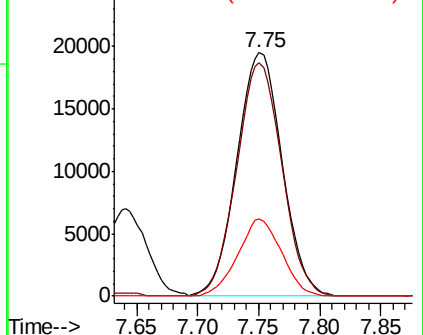


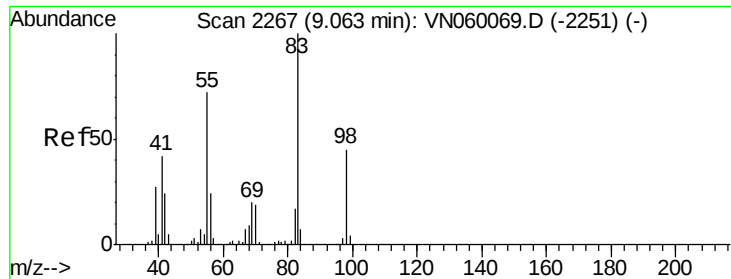
#38
Carbon Tetrachloride
Concen: 18.046 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 117 Resp: 50207
Ion Ratio Lower Upper
117 100
119 96.1 78.2 117.4
121 31.5 24.2 36.2



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

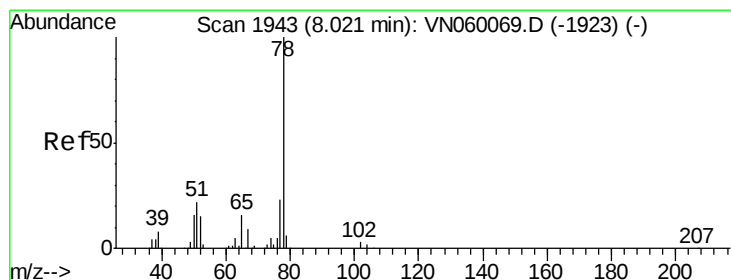
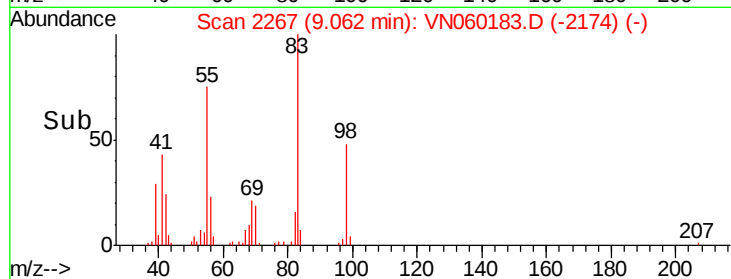
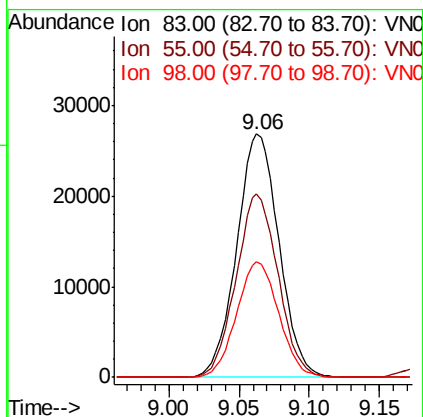
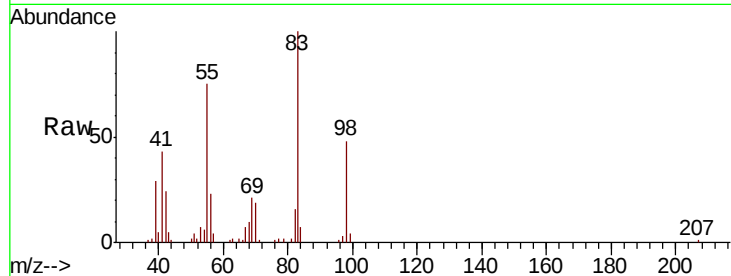




#39
Methvlcvclohexane
Concen: 17.734 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

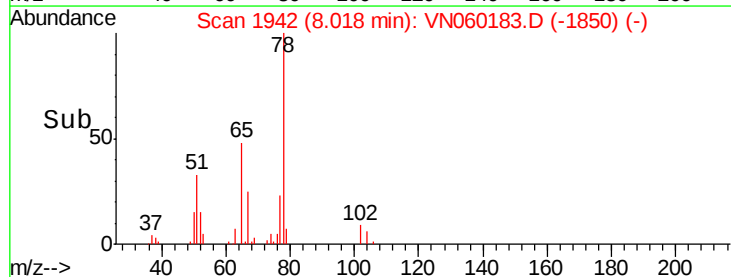
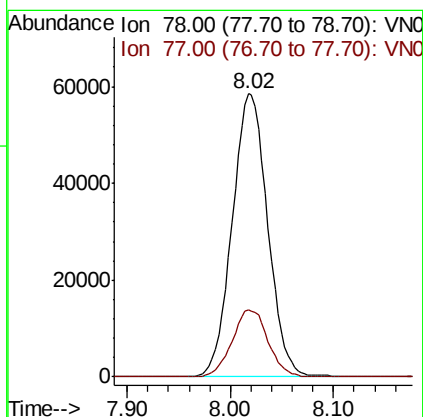
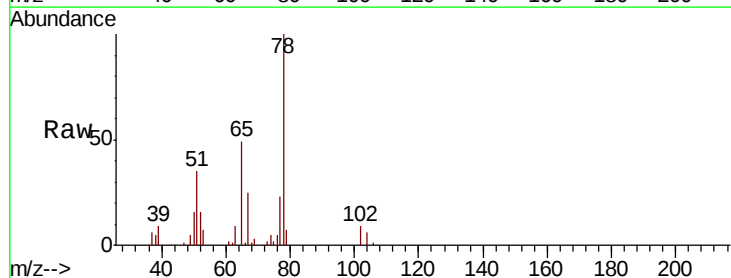
Instrument :
MSVOA_N
ClientSampleId :

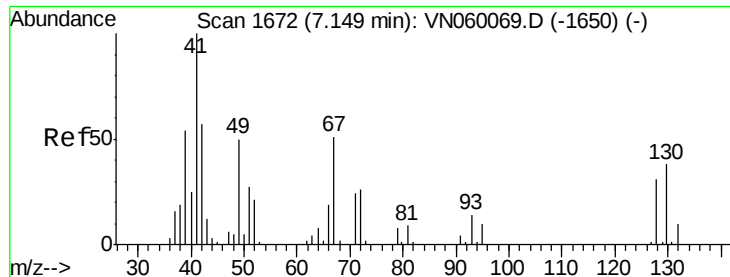
Tot Ion: 83 Resp: 56393
Ion Ratio Lower Upper
83 100
55 75.4 57.8 86.8
98 47.5 36.4 54.6



#40
Benzene
Concen: 18.413 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 78 Resp: 139919
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

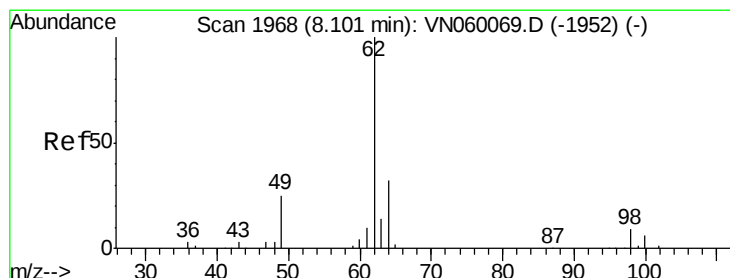
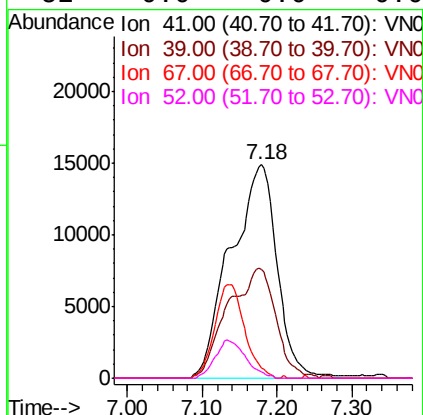
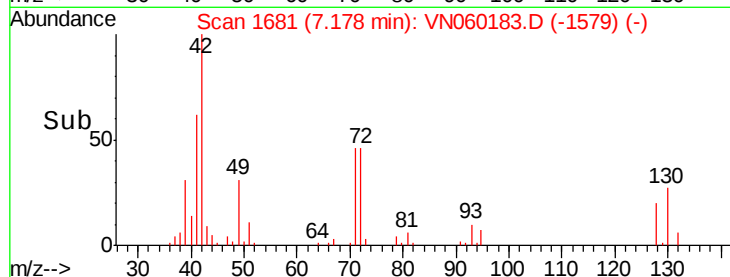
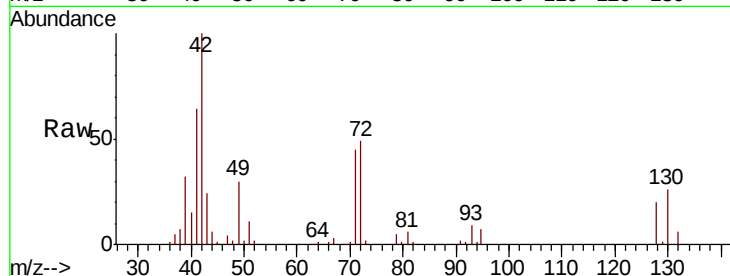




#41
Methacrylonitrile
Concen: 65.975 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

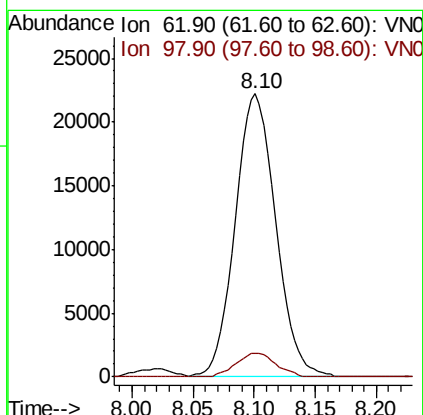
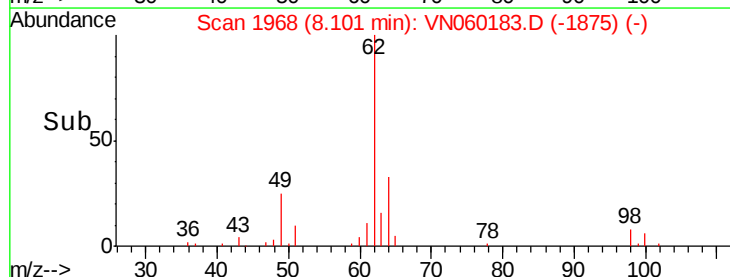
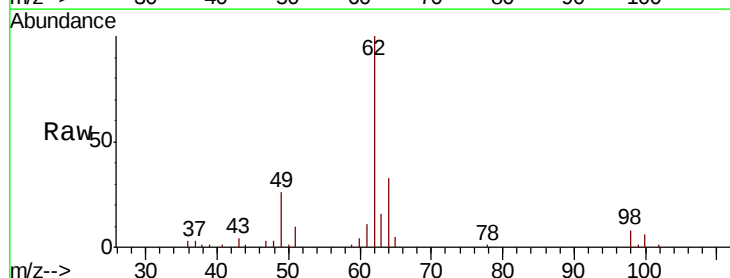
Instrument :
MSVOA_N
ClientSampled :

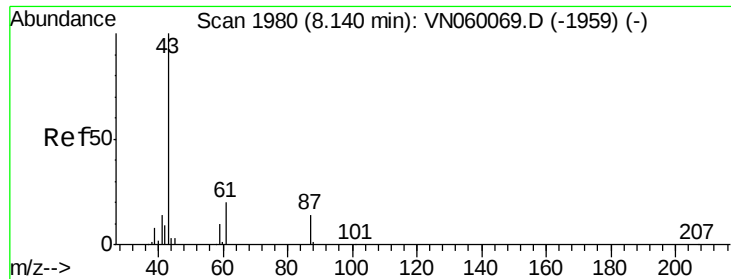
Tot Ion: 41 Resp: 64056
Ion Ratio Lower Upper
41 100
39 53.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 19.210 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 62 Resp: 51163
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.2





#43

Isopropyl Acetate

Concen: 19.406 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

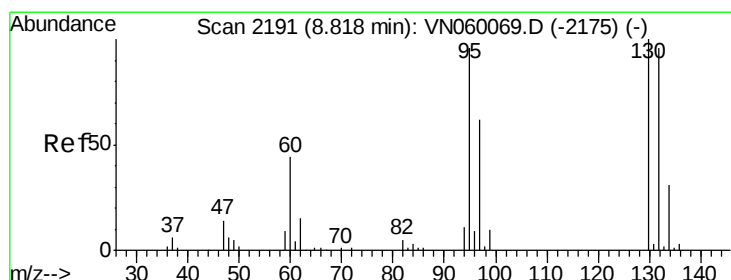
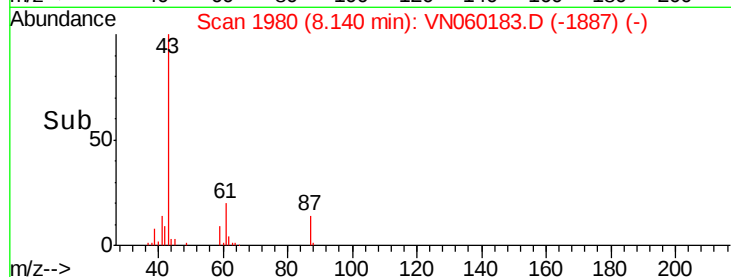
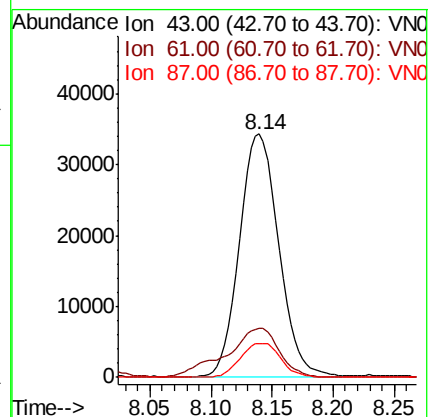
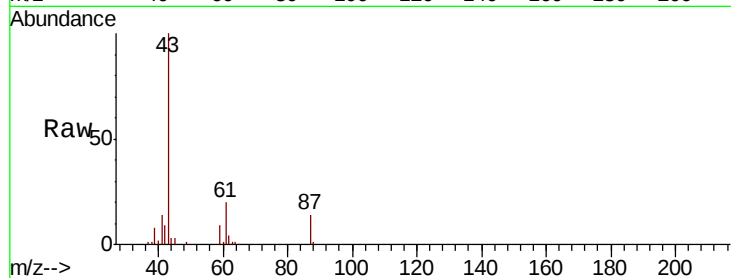
Tot Ion: 43 Resp: 76800

Ion Ratio Lower Upper

43 100

61 27.3 21.8 32.6

87 14.2 11.4 17.2



#44

Trichloroethene

Concen: 18.515 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060183.D

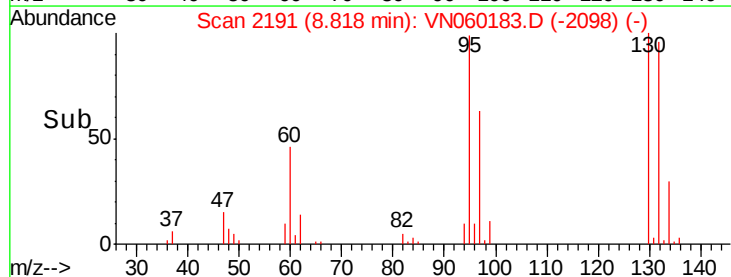
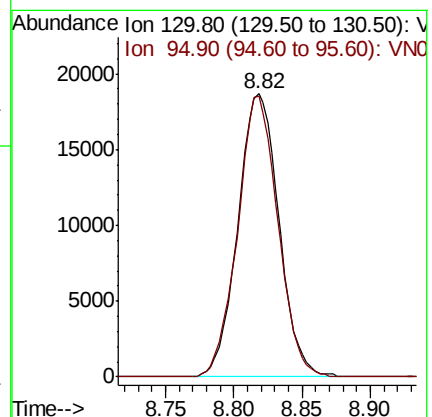
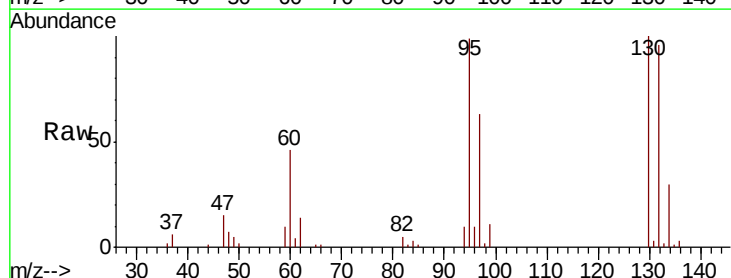
Acq: 21 Feb 2020 12:30

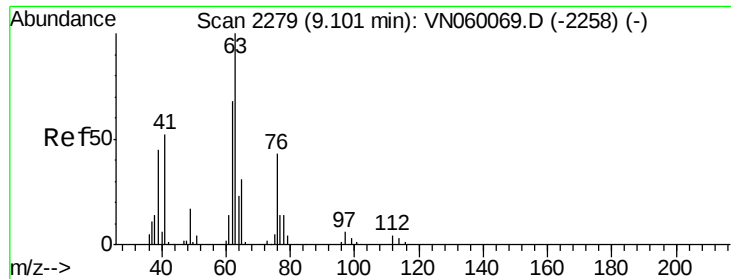
Tgt Ion:130 Resp: 38957

Ion Ratio Lower Upper

130 100

95 99.0 0.0 192.4

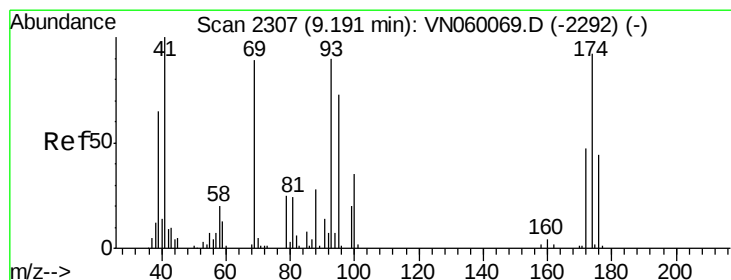
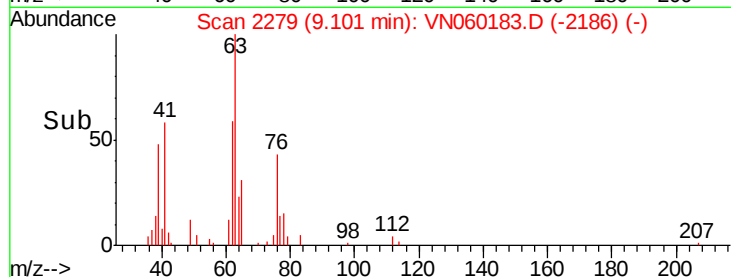
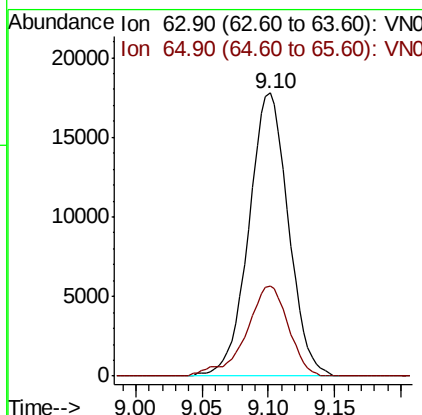
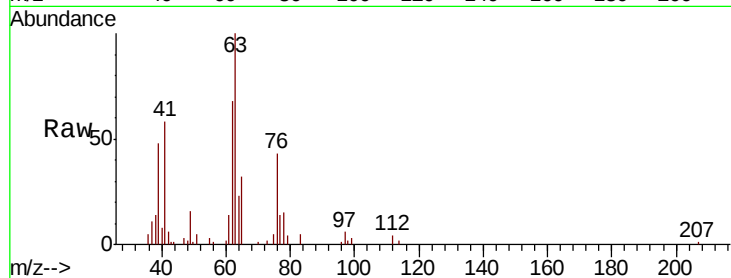




#45
 1,2-Dichloropropane
 Concen: 19.614 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

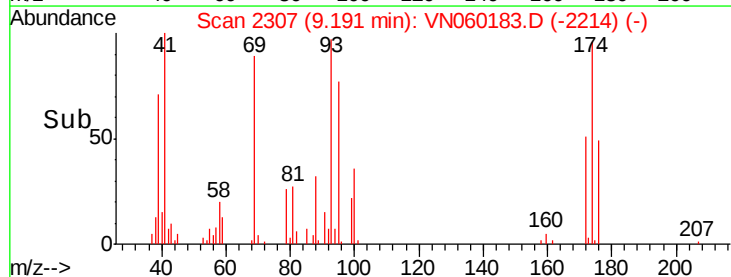
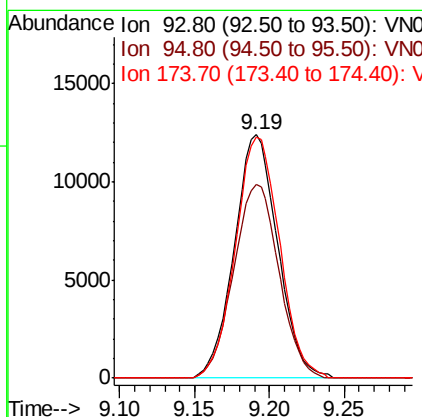
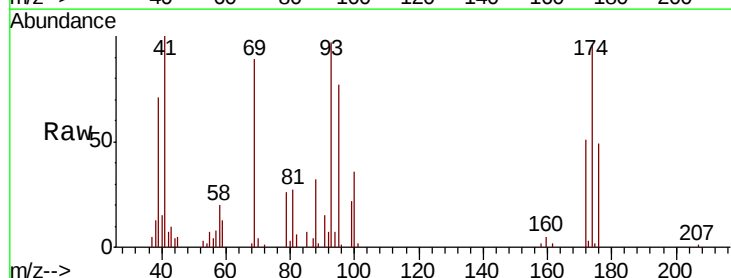
Instrument :
 MSVOA_N
 ClientSampled :

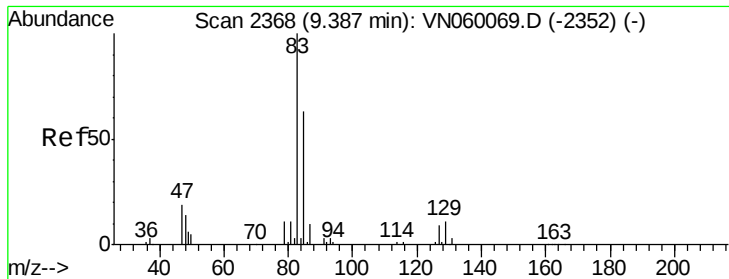
Tot Ion: 63 Resp: 36899
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.4



#46
 Dibromomethane
 Concen: 18.883 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion: 93 Resp: 25104
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.0 97.6
 174 100.5 82.3 123.5

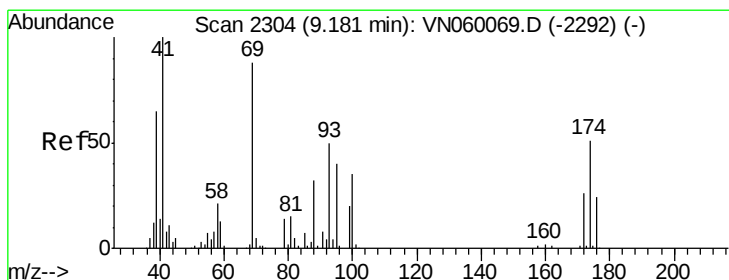
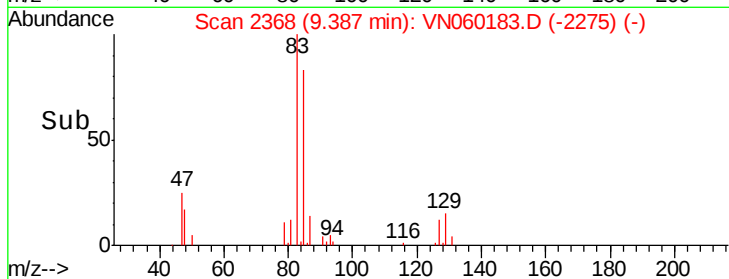
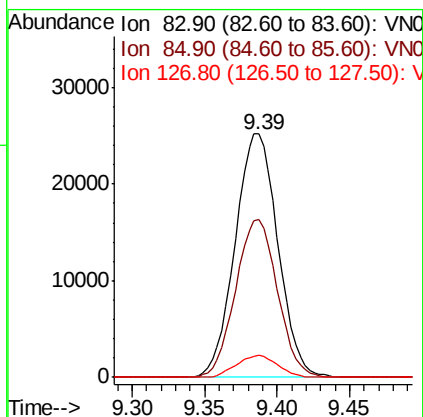
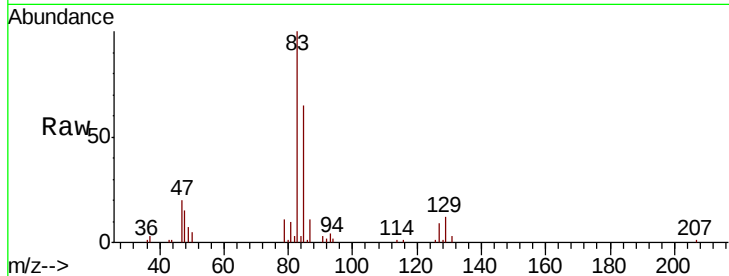




#47
 Bromodichloromethane
 Concen: 19.115 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

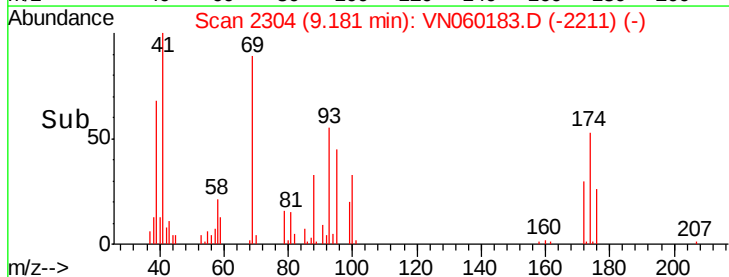
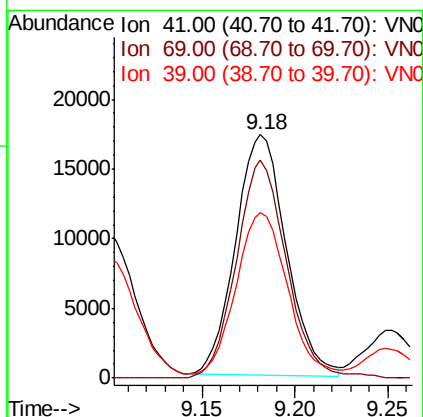
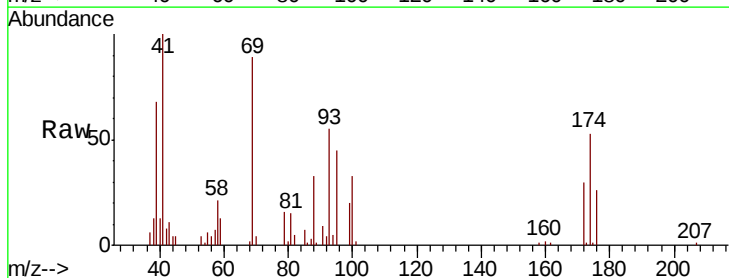
Instrument :
 MSVOA_N
 ClientSampleId :

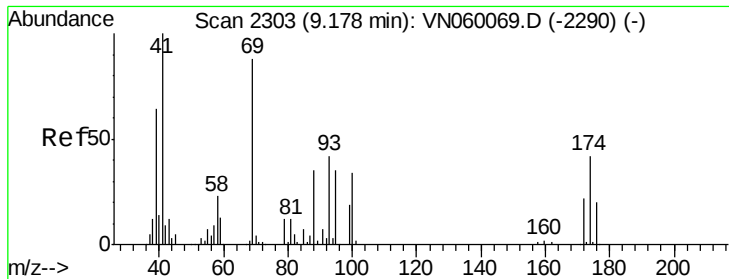
Tot Ion: 83 Resp: 51666
 Ion Ratio Lower Upper
 83 100
 85 64.6 50.6 75.8
 127 9.0 7.0 10.6



#48
 Methyl methacrylate
 Concen: 18.486 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion: 41 Resp: 32825
 Ion Ratio Lower Upper
 41 100
 69 89.5 72.0 108.0
 39 68.1 54.1 81.1





#49

1,4-Dioxane

Concen: 387.495 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :

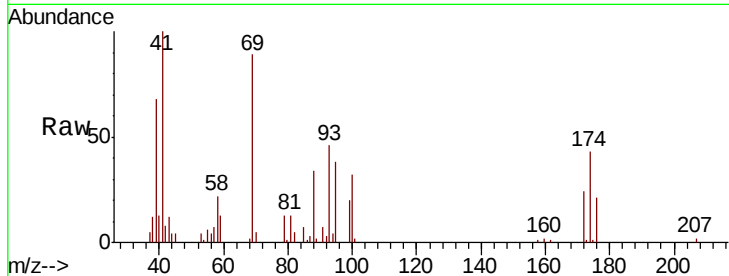
Tot Ion: 88 Resp: 11756

Ion Ratio Lower Upper

88 100

43 33.9 26.2 39.2

58 65.1 53.2 79.8

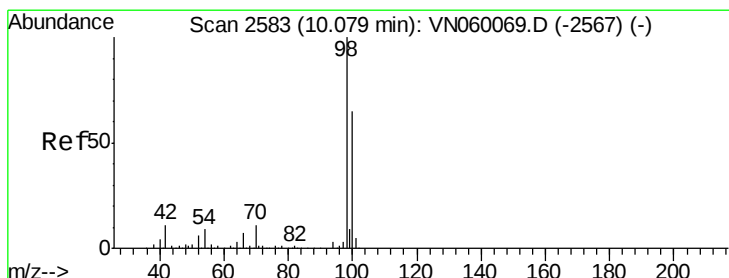
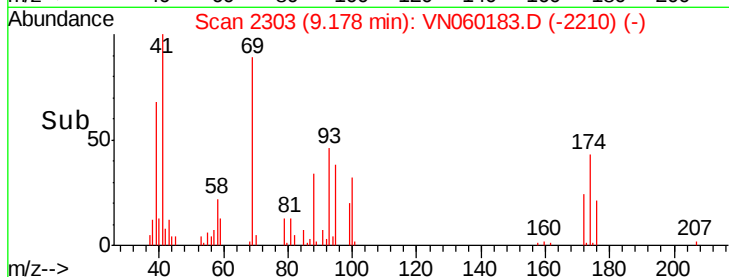
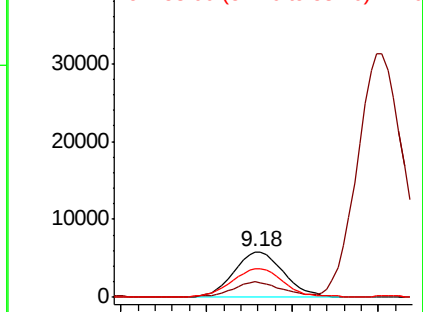


Abundance

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: 48.604 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060183.D

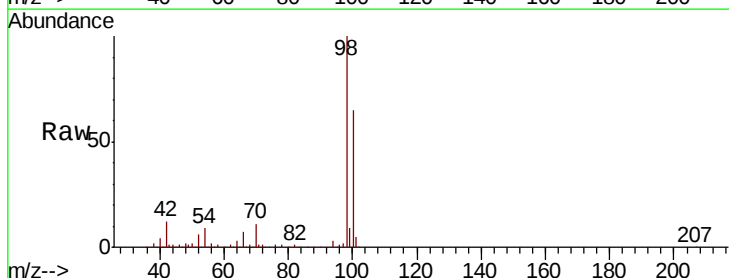
Acq: 21 Feb 2020 12:30

Tgt Ion: 98 Resp: 325388

Ion Ratio Lower Upper

98 100

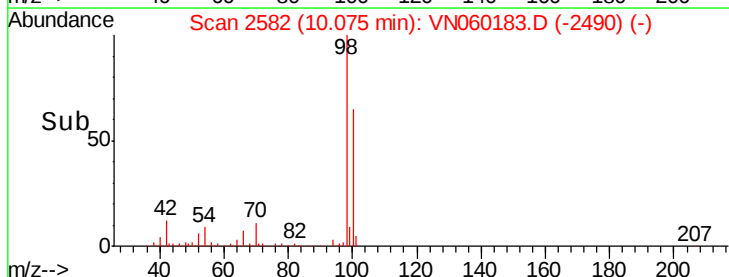
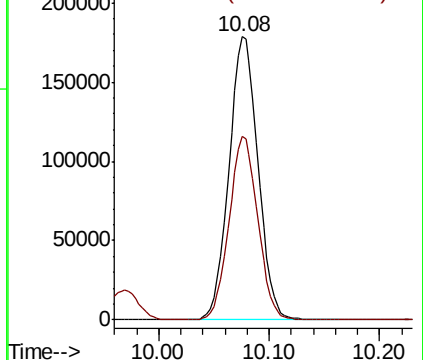
100 64.2 51.7 77.5

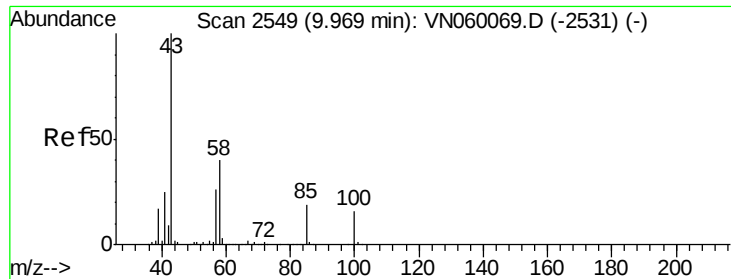


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 97.165 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

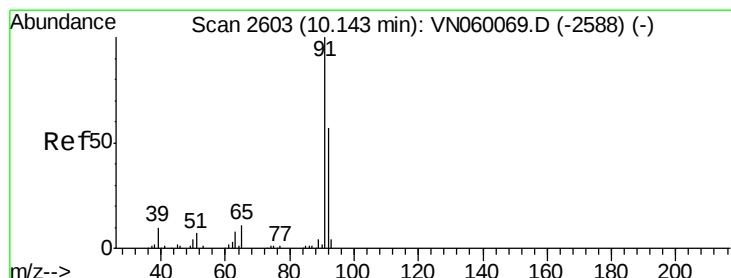
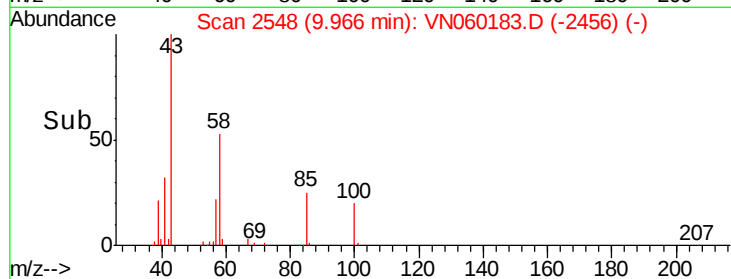
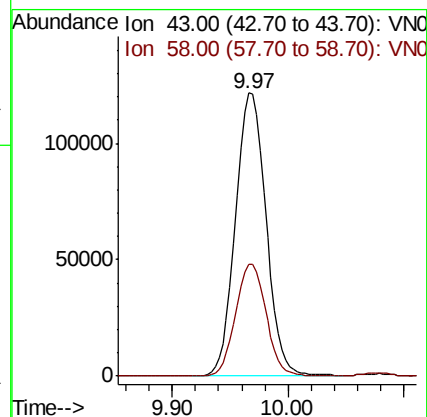
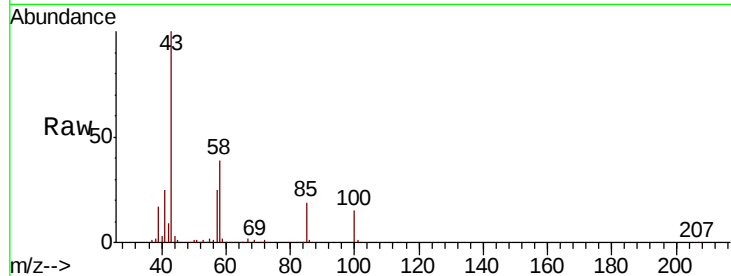
ClientSampled :

Tot Ion: 43 Resp: 222579

Ion Ratio Lower Upper

43 100

58 39.4 31.8 47.8



#52

Toluene

Concen: 18.347 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060183.D

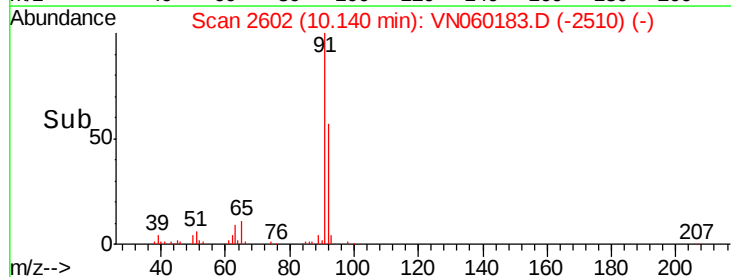
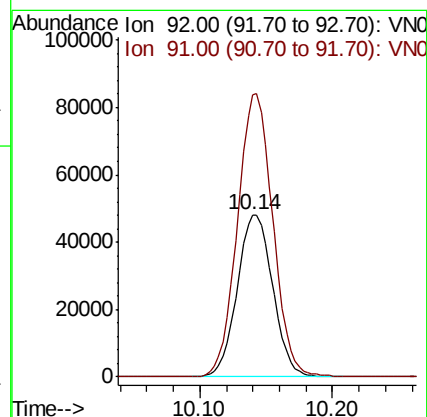
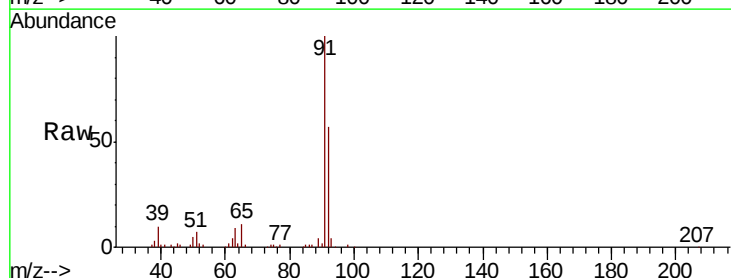
Acq: 21 Feb 2020 12:30

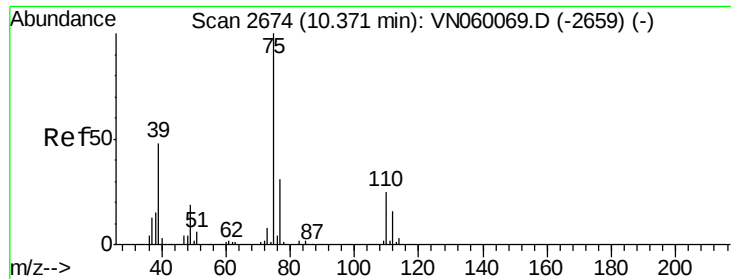
Tgt Ion: 92 Resp: 89401

Ion Ratio Lower Upper

92 100

91 174.2 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 18.948 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

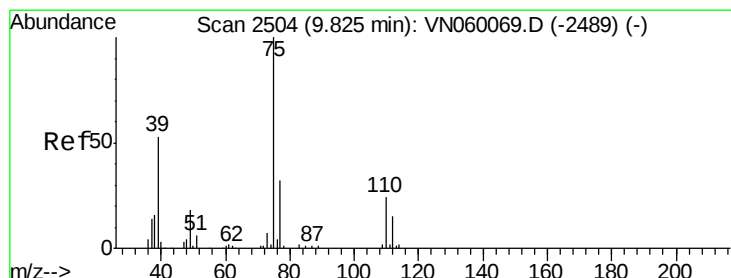
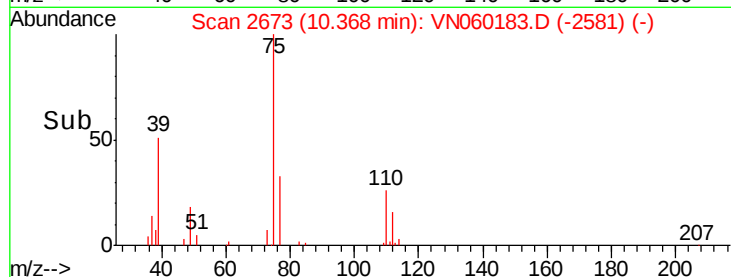
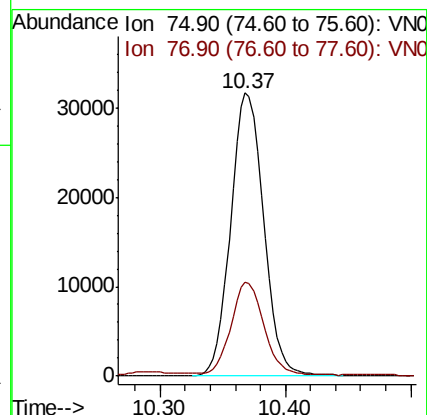
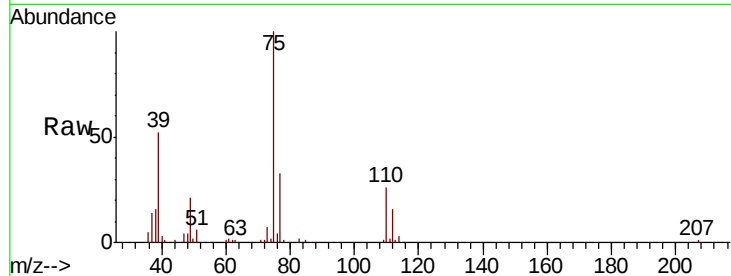
ClientSampleId :

Tot Ion: 75 Resp: 57808

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.813 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

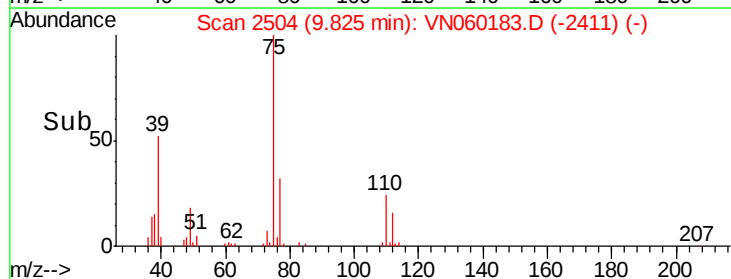
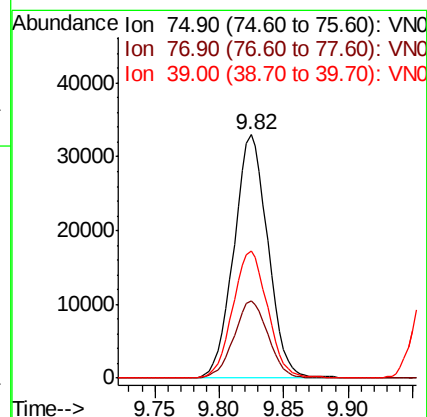
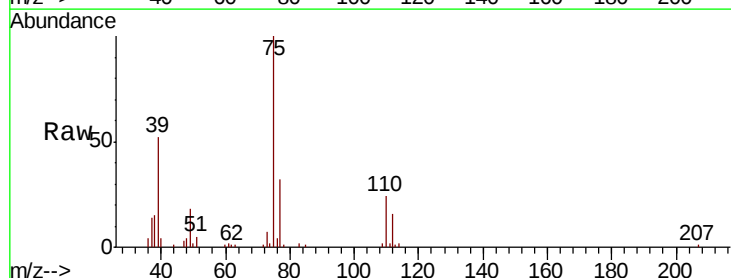
Tgt Ion: 75 Resp: 60439

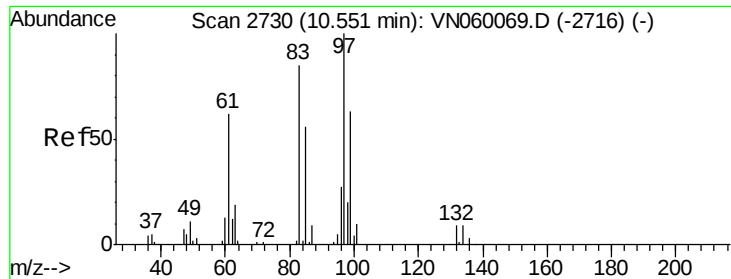
Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

39 52.4 42.2 63.4

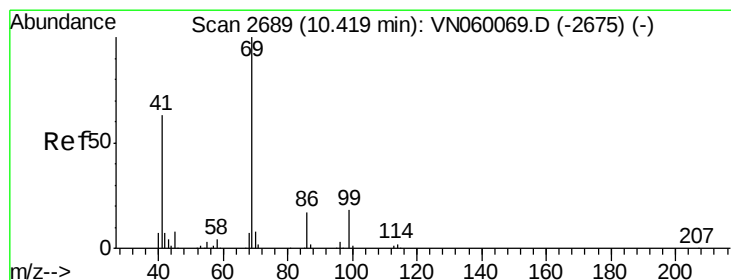
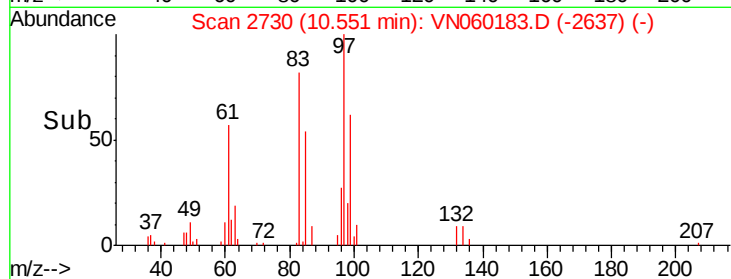
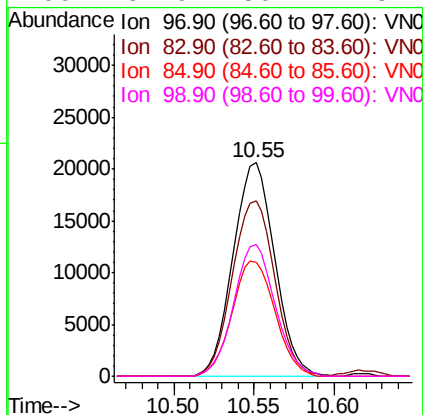
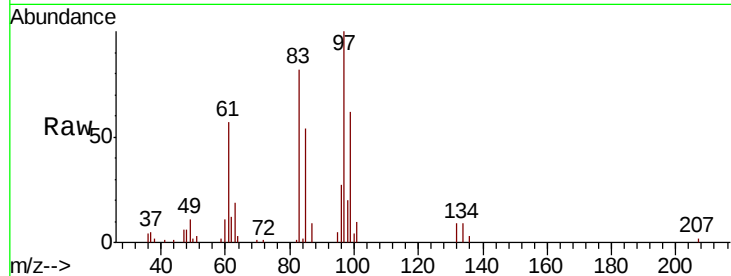




#55
 1,1,2-Trichloroethane
 Concen: 19.288 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

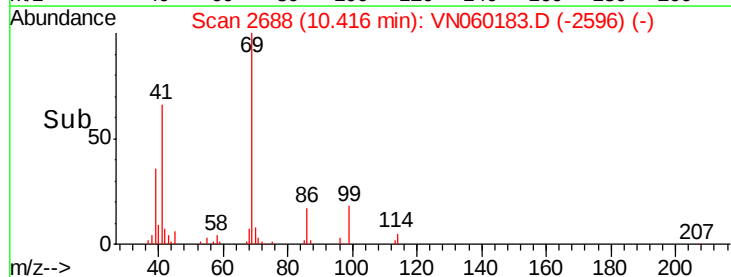
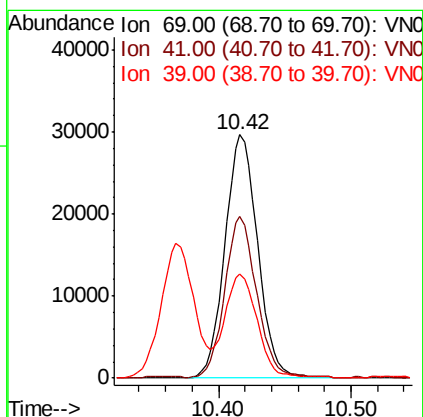
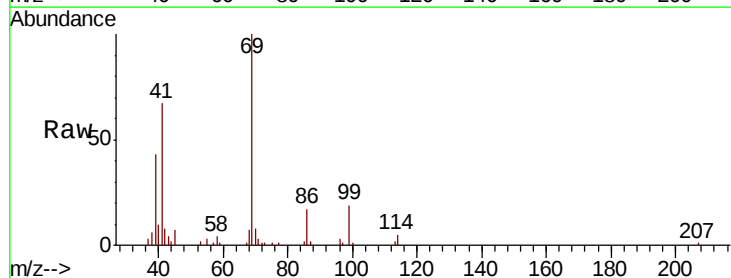
Instrument :
 MSVOA_N
 ClientSampleId :

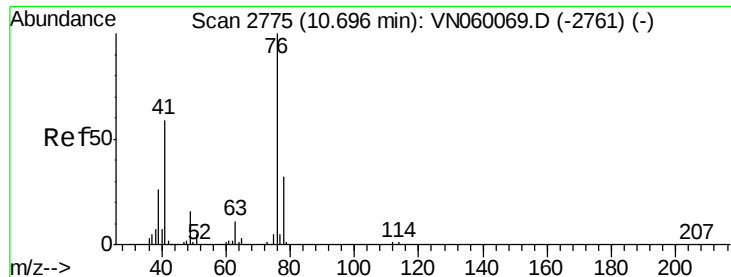
Tot Ion:	97	Resp:	36667
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.9	101.9
85	53.6	44.6	67.0
99	61.9	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 18.906 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion:	69	Resp:	50844
Ion	Ratio	Lower	Upper
69	100		
41	65.6	51.1	76.7
39	42.0	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.132 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

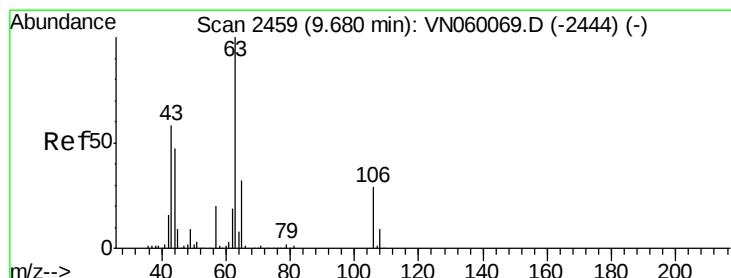
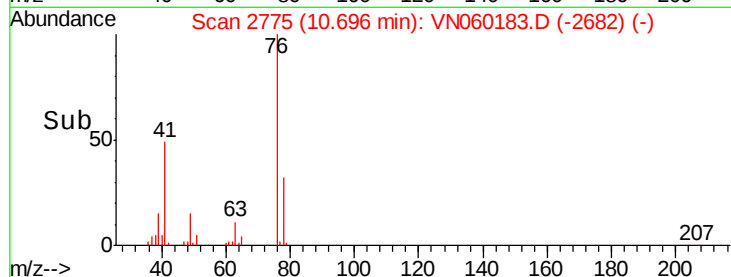
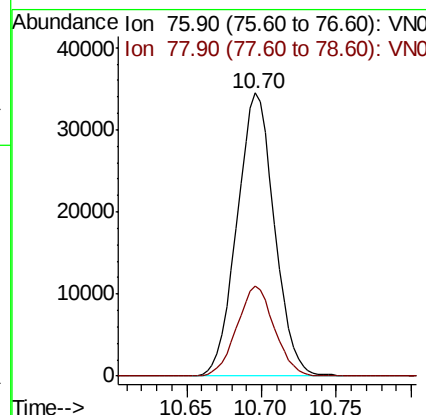
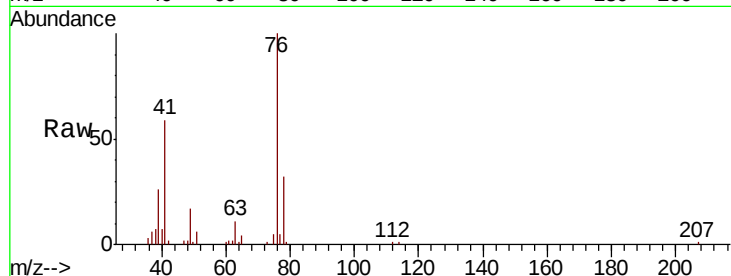
ClientSampleId :

Tot Ion: 76 Resp: 60014

Ion Ratio Lower Upper

76 100

78 31.7 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 100.877 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060183.D

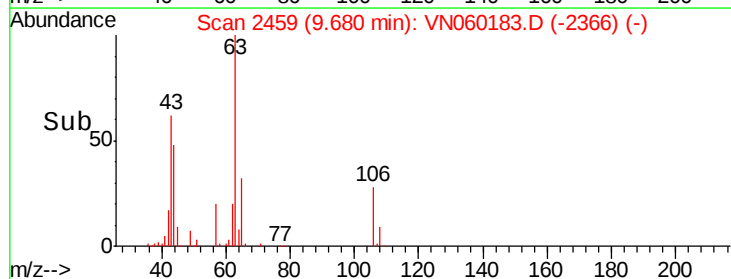
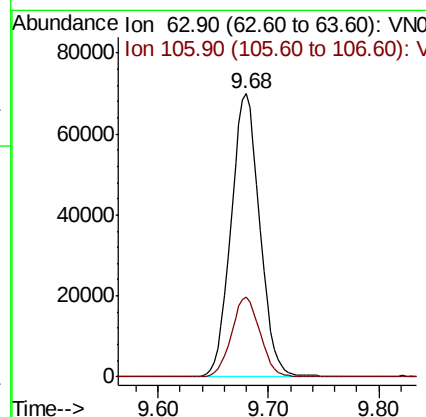
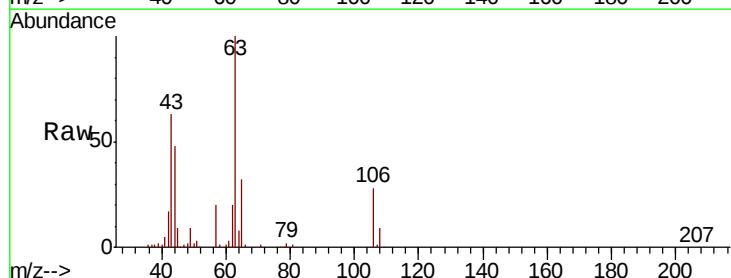
Acq: 21 Feb 2020 12:30

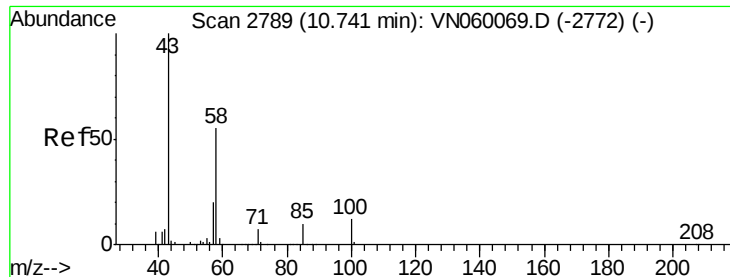
Tgt Ion: 63 Resp: 126383

Ion Ratio Lower Upper

63 100

106 28.0 22.9 34.3

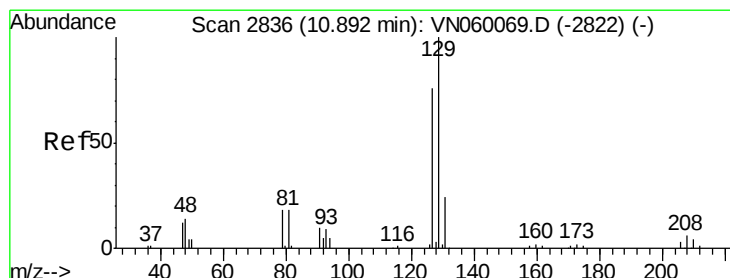
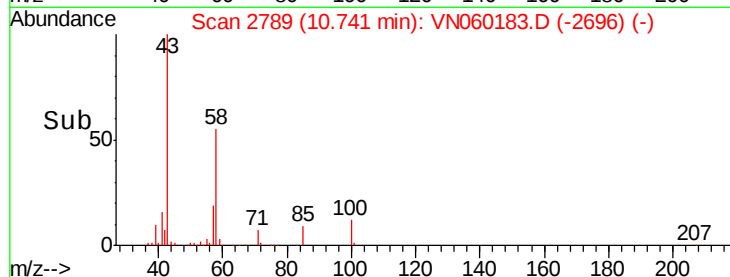
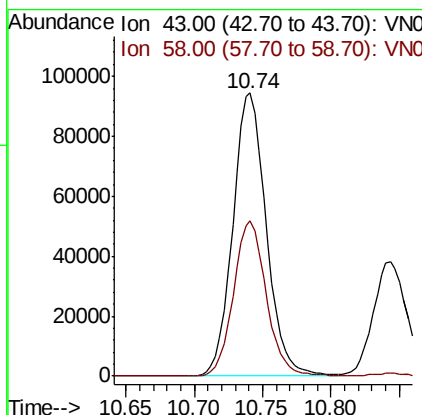
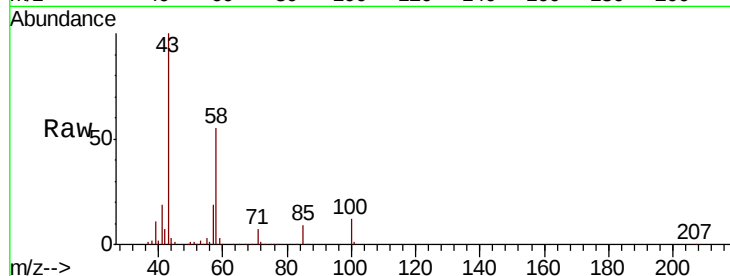




#59
2-Hexanone
Concen: 90.699 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

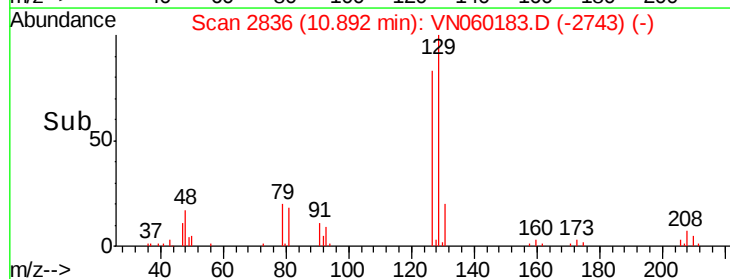
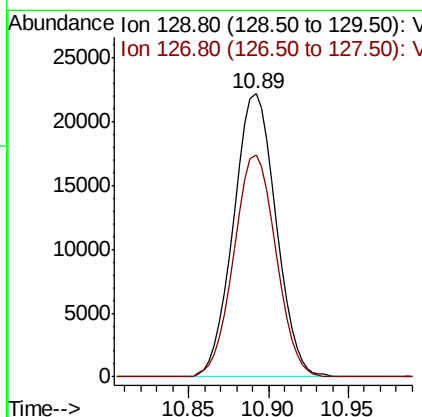
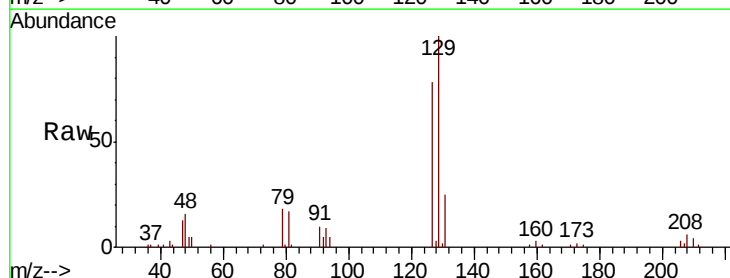
Instrument :
MSVOA_N
ClientSampled :

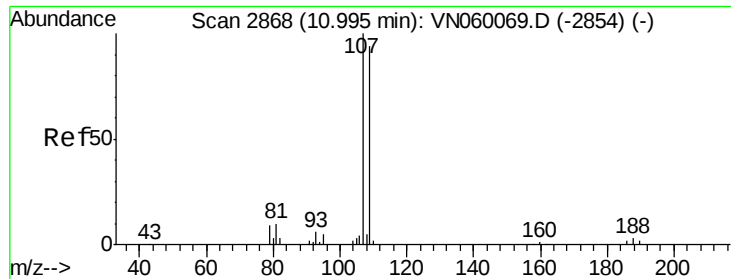
Tot Ion: 43 Resp: 160493
Ion Ratio Lower Upper
43 100
58 53.8 27.5 82.4



#60
Dibromochloromethane
Concen: 18.444 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 129 Resp: 40237
Ion Ratio Lower Upper
129 100
127 77.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.107 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

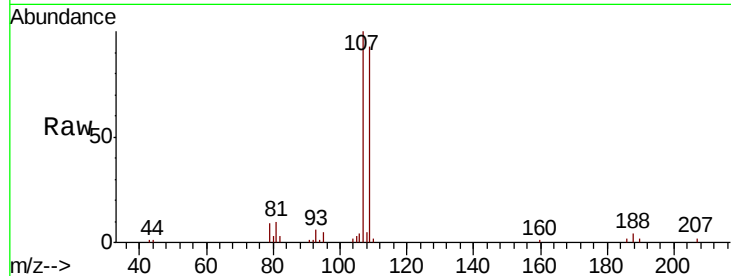
ClientSampleId :

Tot Ion:107 Resp: 38077

Ion Ratio Lower Upper

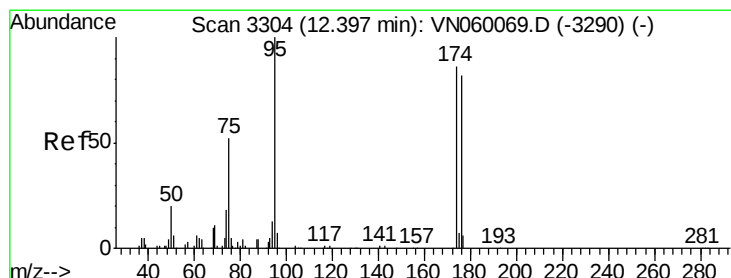
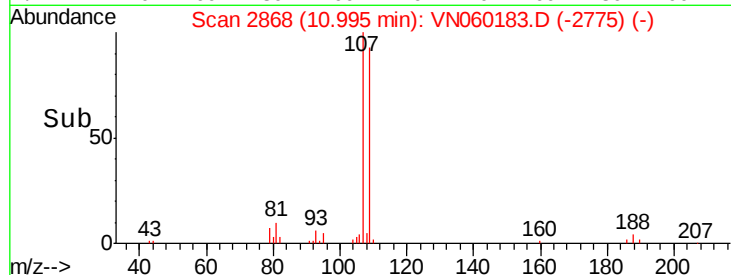
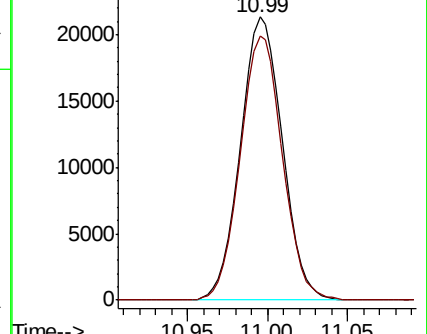
107 100

109 93.8 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.911 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

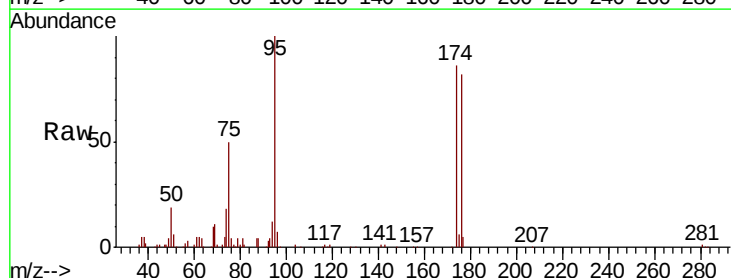
Tgt Ion: 95 Resp: 117862

Ion Ratio Lower Upper

95 100

174 85.4 0.0 169.8

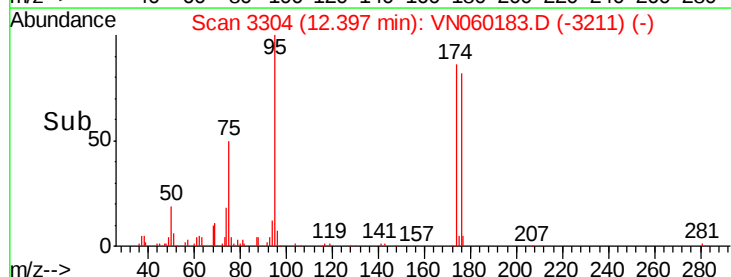
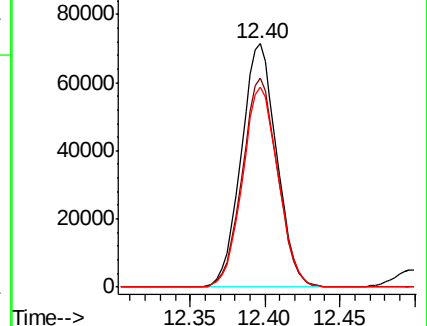
176 82.7 0.0 164.8

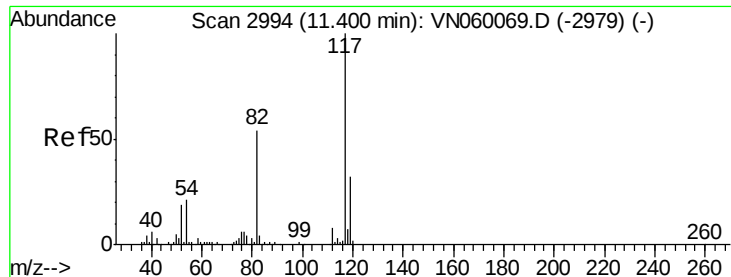


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

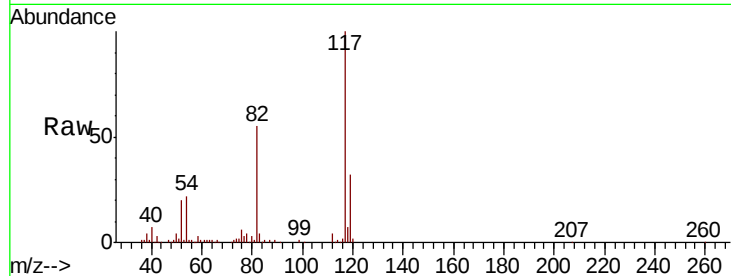




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.4	65.0
119	31.6	25.8	38.6

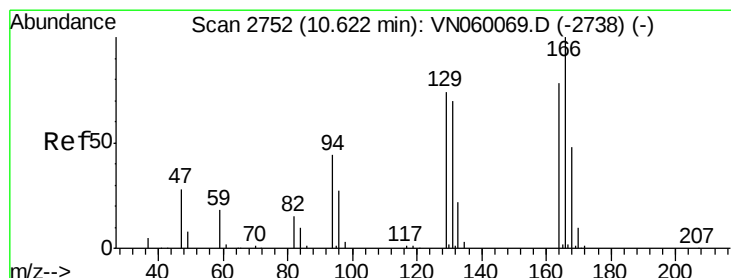
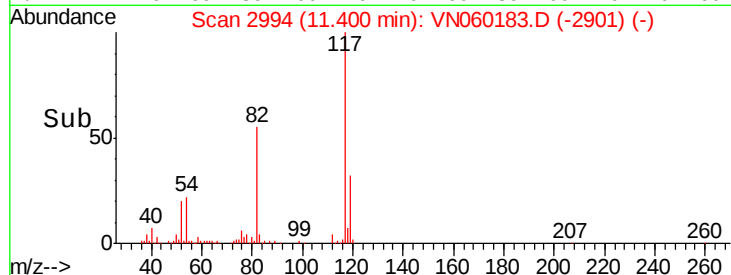
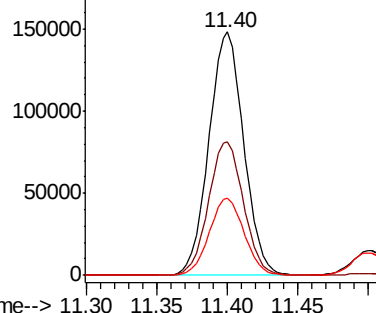


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.871 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.9	152.9
129	90.7	75.4	113.0
131	87.2	71.4	107.2

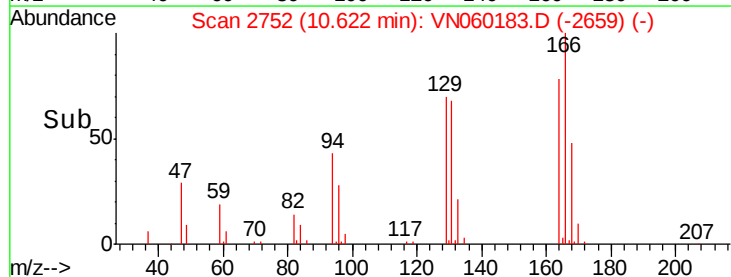
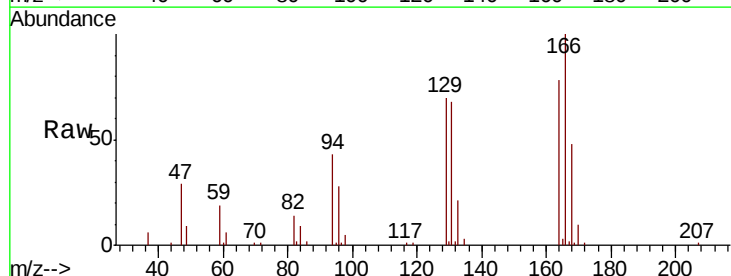
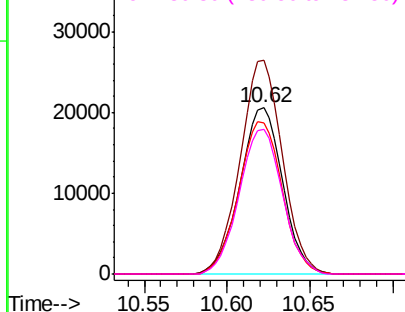
Abundance

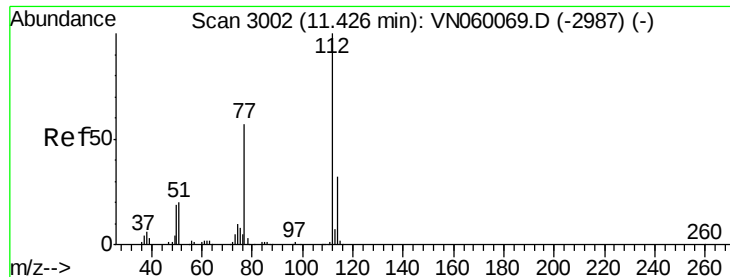
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.491 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

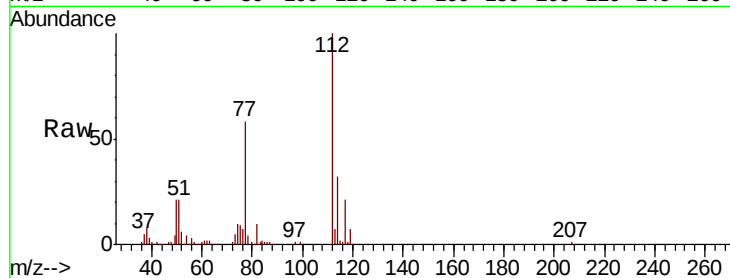
ClientSampled :

Tot Ion:112 Resp: 96698

Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

60000

50000

40000

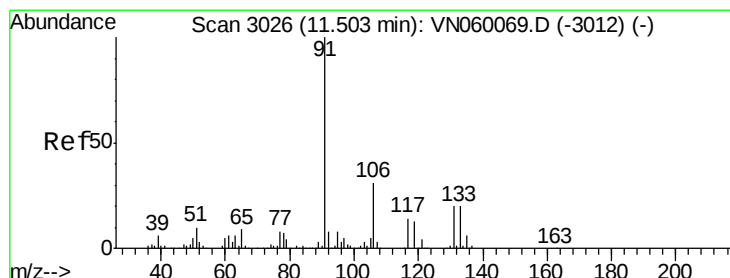
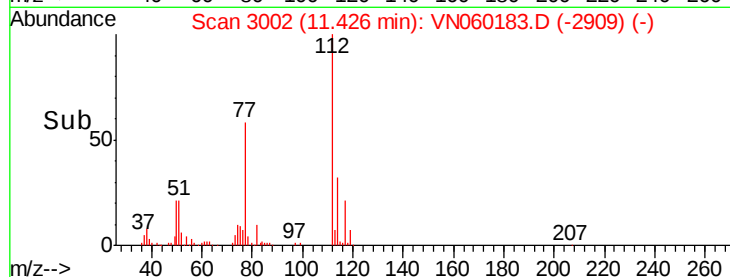
30000

20000

10000

0

Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 19.044 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

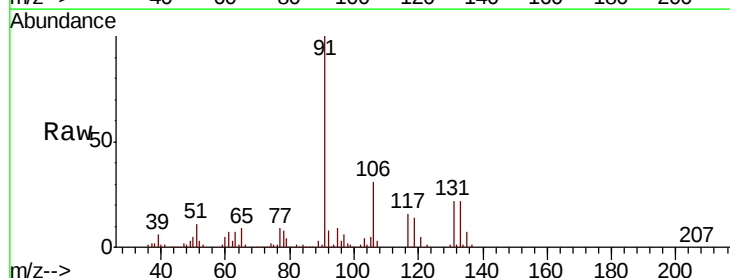
Tgt Ion:131 Resp: 37675

Ion Ratio Lower Upper

131 100

133 97.9 47.9 143.7

119 64.6 32.6 97.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

30000

25000

20000

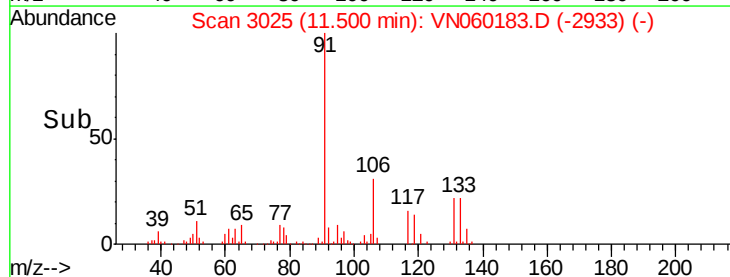
15000

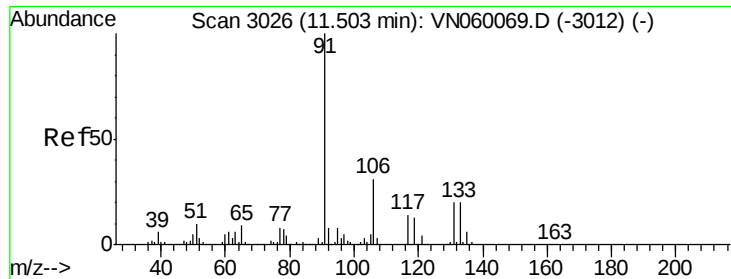
10000

5000

0

Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 18.507 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

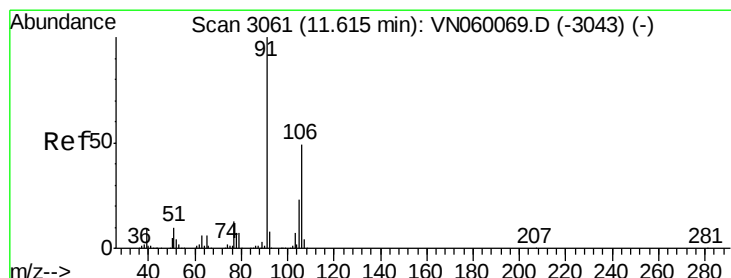
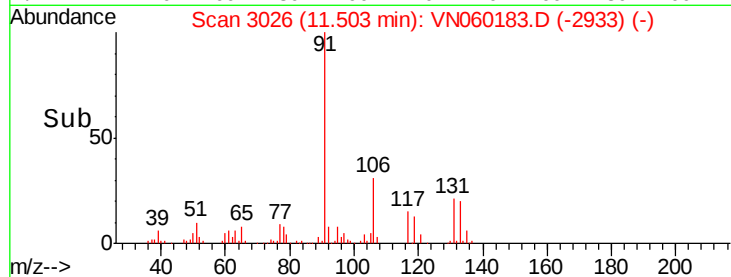
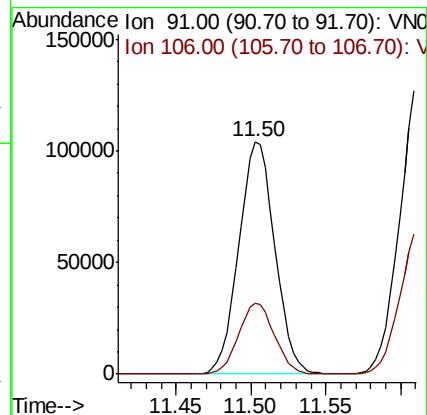
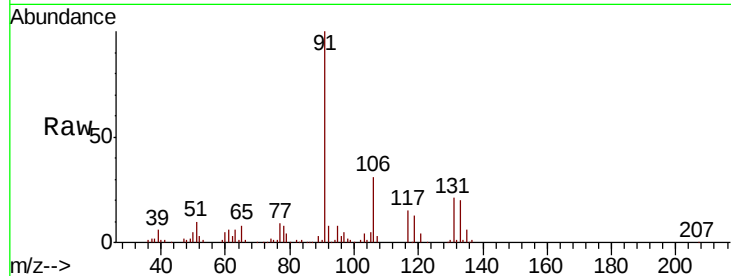
ClientSampled :

Tot Ion: 91 Resp: 174555

Ion Ratio Lower Upper

91 100

106 30.6 25.1 37.7



#68

m/p-Xylenes

Concen: 36.969 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060183.D

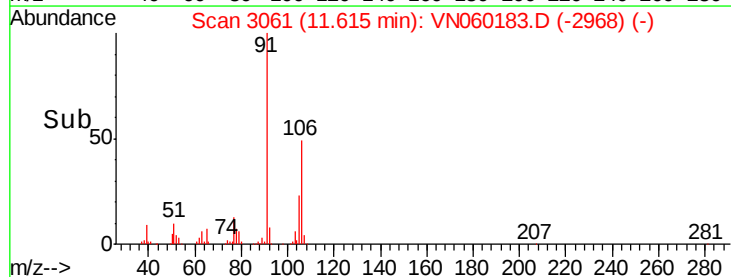
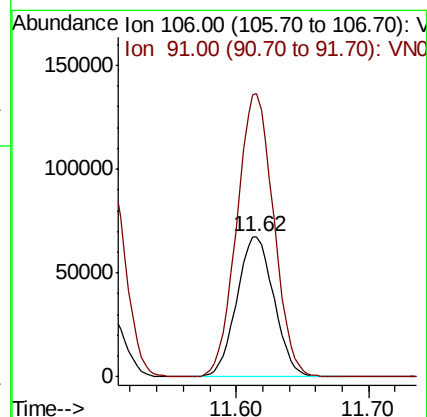
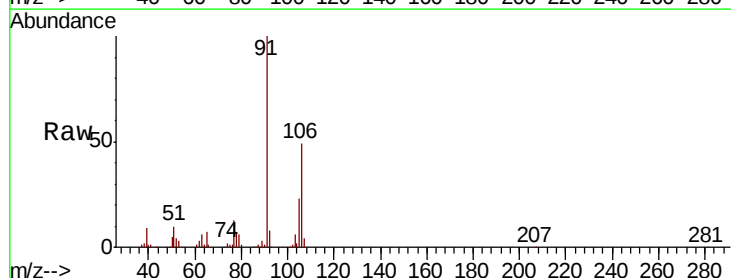
Acq: 21 Feb 2020 12:30

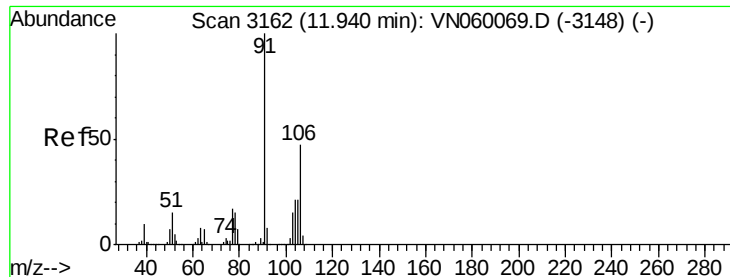
Tgt Ion: 106 Resp: 130867

Ion Ratio Lower Upper

106 100

91 201.6 162.7 244.1

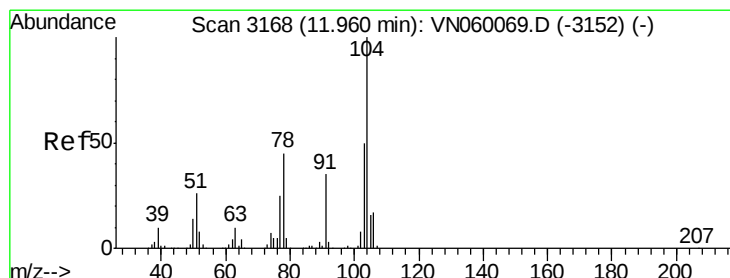
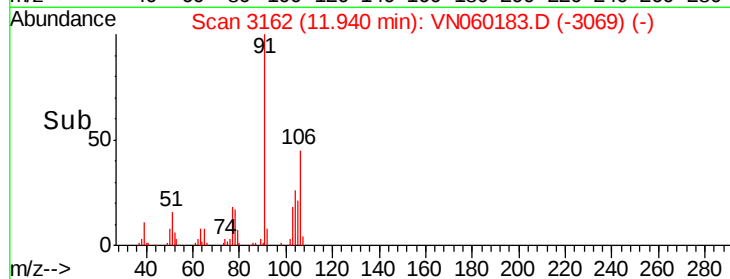
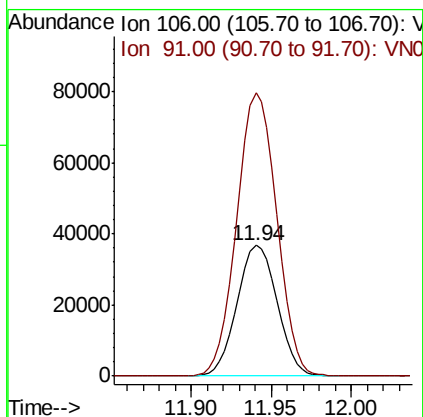
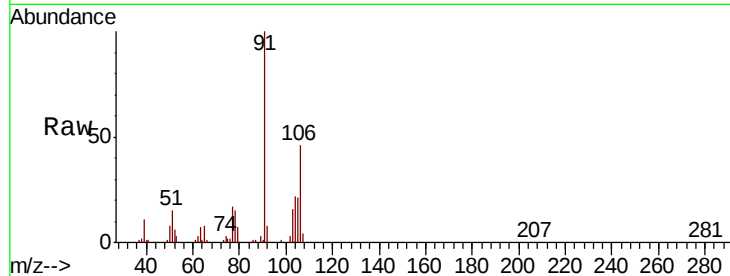




#69
o-Xylene
Concen: 18.468 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

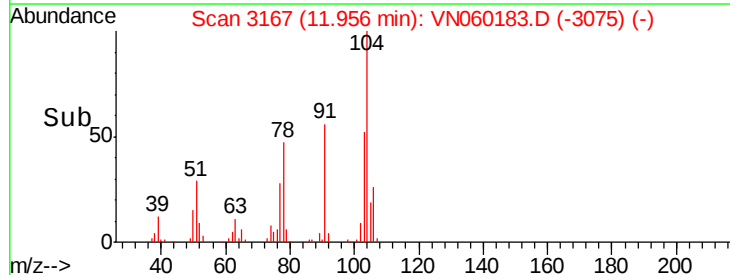
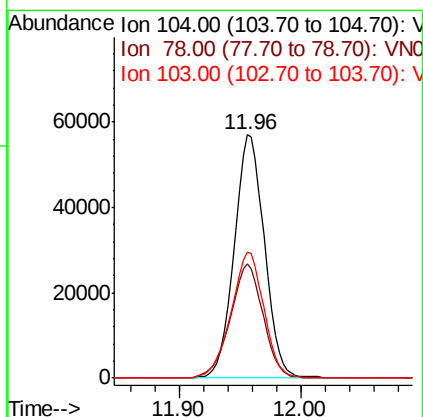
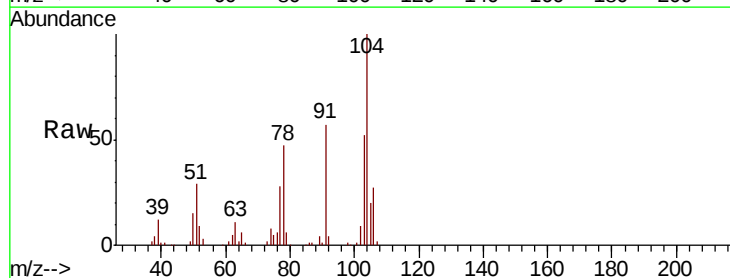
Instrument :
MSVOA_N
ClientSampled :

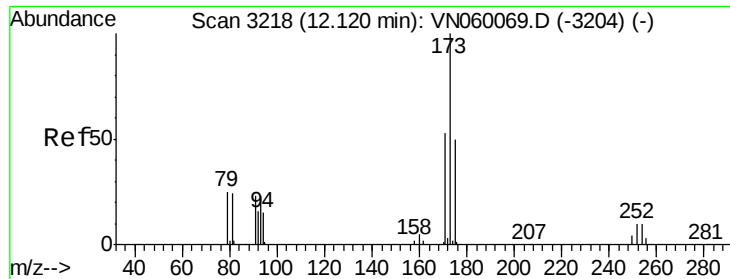
Tot Ion:106 Resp: 62946
Ion Ratio Lower Upper
106 100
91 215.8 107.2 321.6



#70
Styrene
Concen: 17.808 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion:104 Resp: 97876
Ion Ratio Lower Upper
104 100
78 50.9 40.2 60.2
103 56.1 44.3 66.5

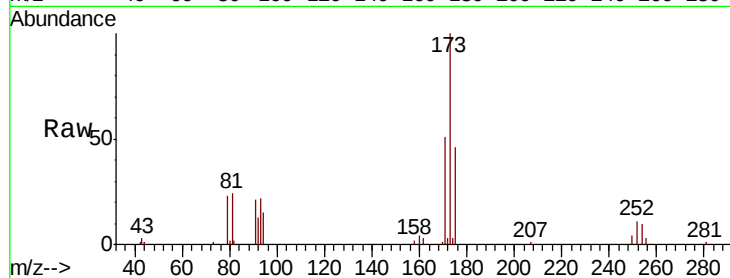




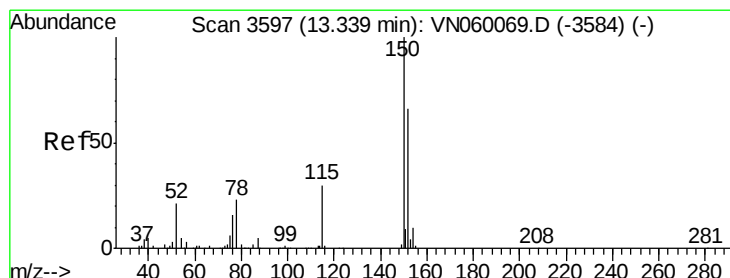
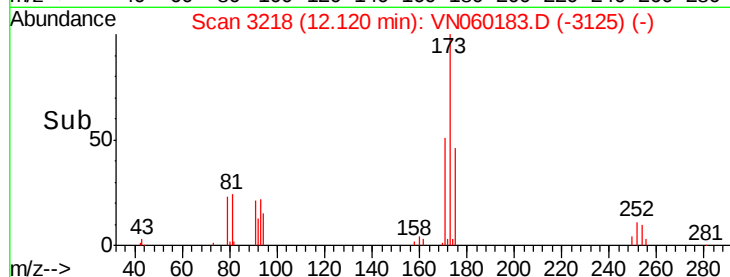
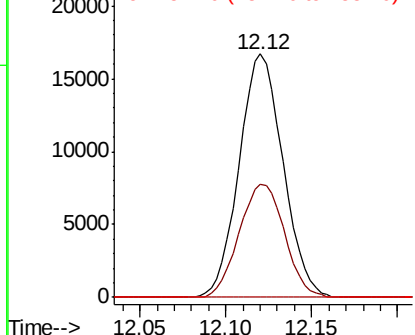
#71
Bromoform
Concen: 18.570 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 29549
Ion Ratio Lower Upper
173 100
175 47.9 24.9 74.6
254 0.0 0.0 0.0

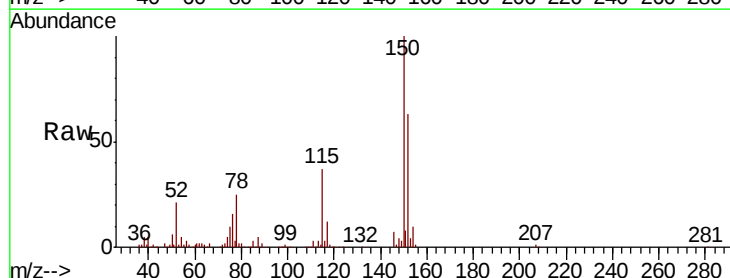


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

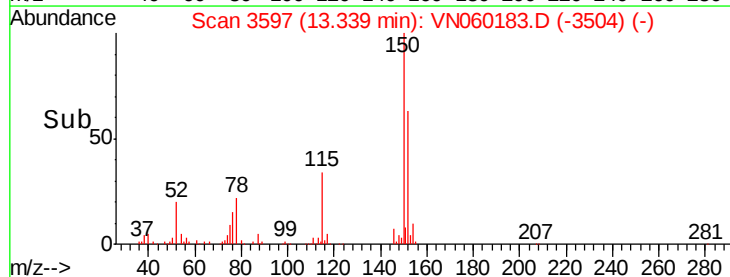
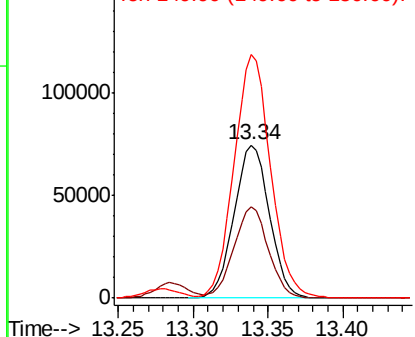


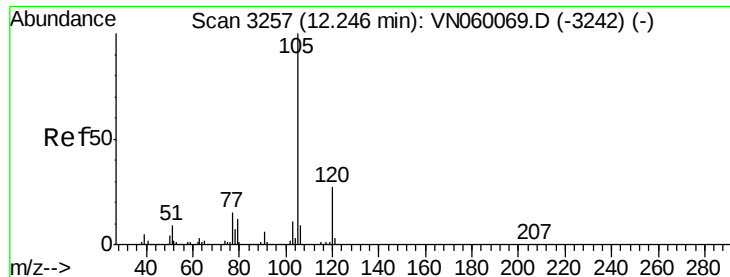
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion:152 Resp: 122588
Ion Ratio Lower Upper
152 100
115 58.3 28.9 86.8
150 163.8 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.434 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

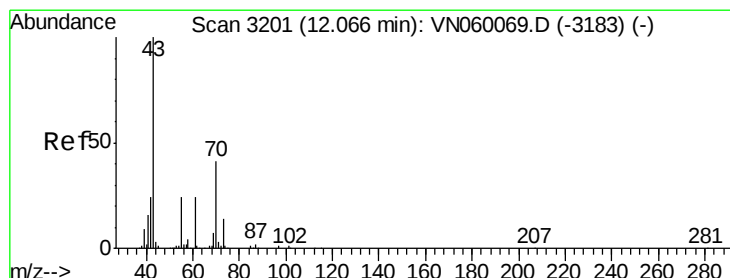
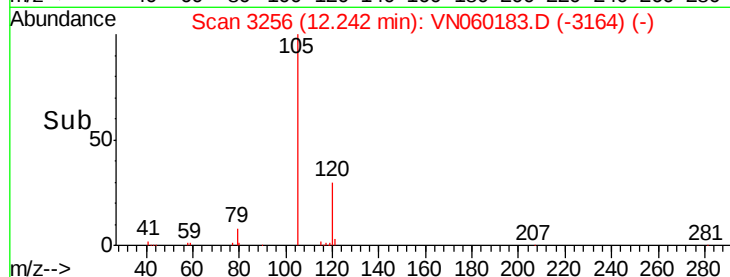
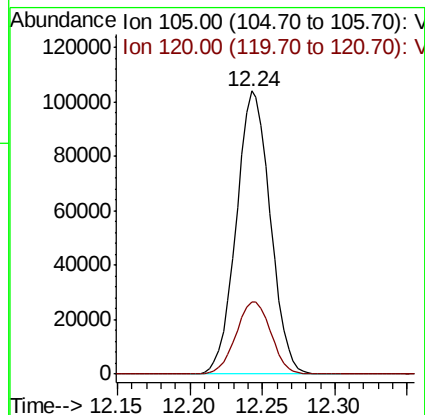
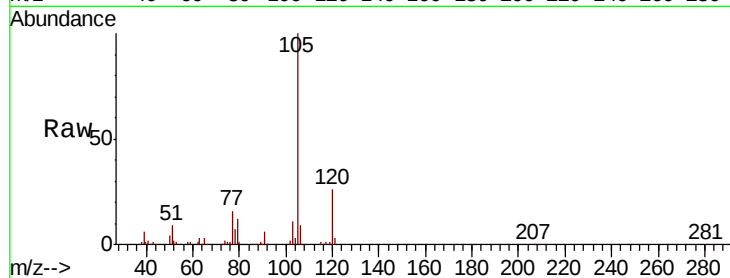
ClientSampleId :

Tot Ion:105 Resp: 168753

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 18.578 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion: 43 Resp: 61324

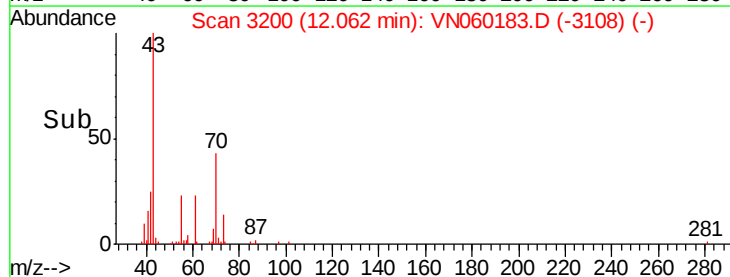
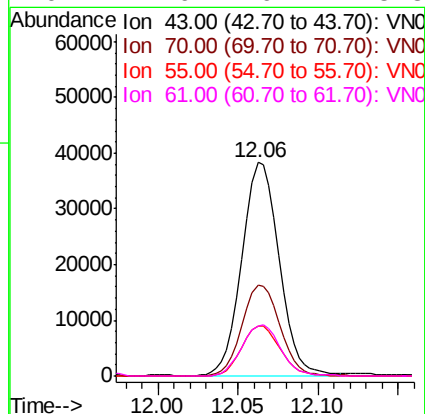
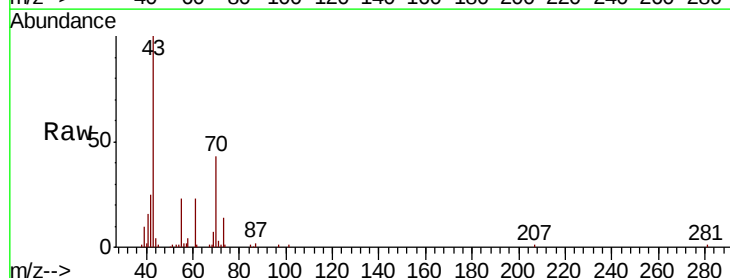
Ion Ratio Lower Upper

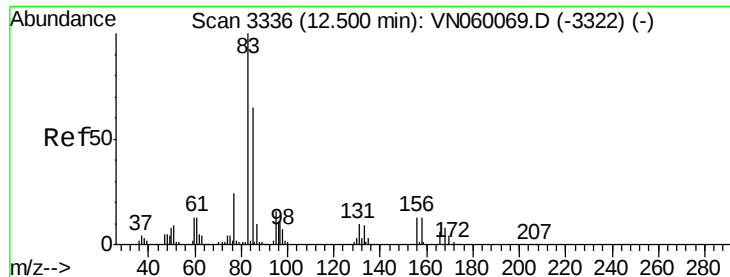
43 100

70 43.2 33.4 50.0

55 23.9 18.8 28.2

61 24.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.421 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

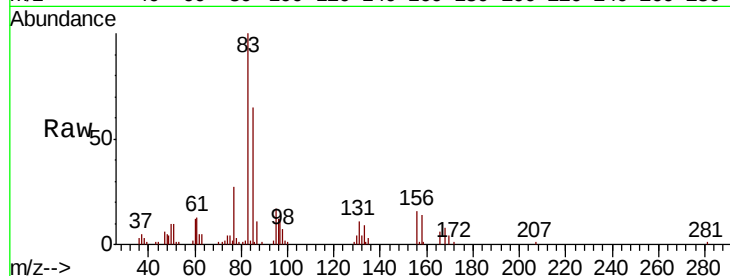
Tot Ion: 83 Resp: 51172

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

85 65.1 32.3 96.9



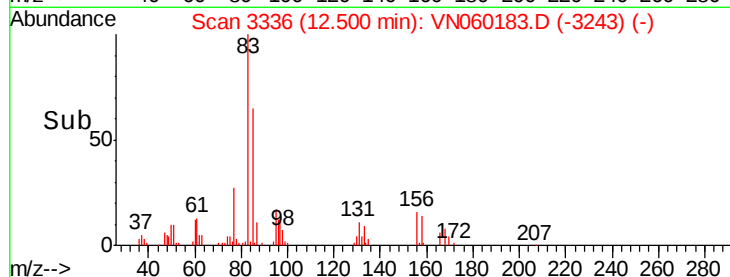
Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060069.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-3322) (-)

12.50

Time-->



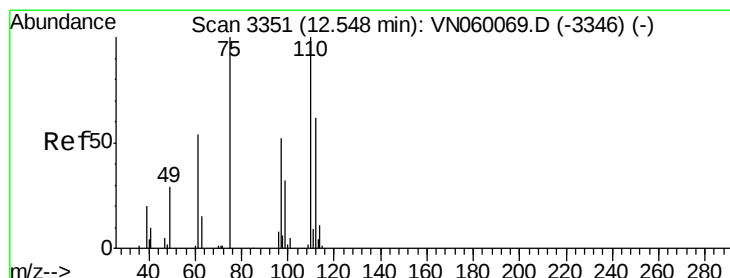
Abundance Ion 82.90 (82.60 to 83.60): VN060183.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060183.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060183.D (-3243) (-)

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.593 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060183.D

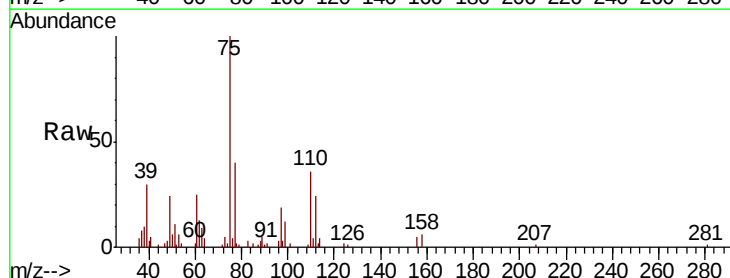
Acq: 21 Feb 2020 12:30

Tgt Ion: 75 Resp: 67061

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

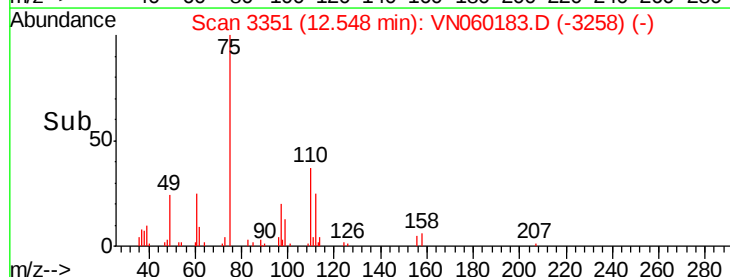


Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3346) (-)

12.55

Time-->

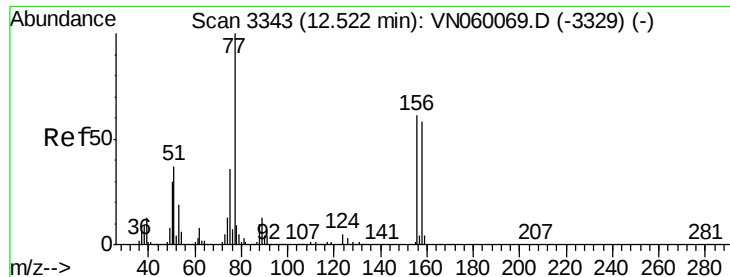


Abundance Ion 74.90 (74.60 to 75.60): VN060183.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060183.D (-3258) (-)

12.55

Time-->



#77

Bromobenzene

Concen: 19.095 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

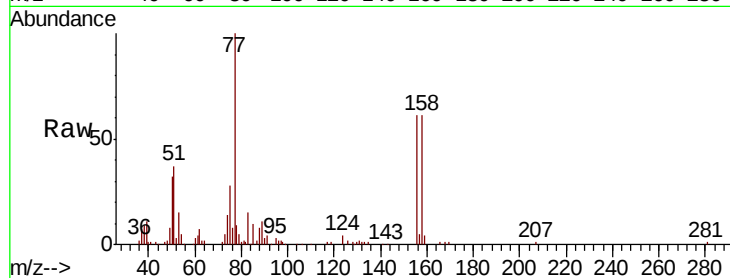
Tot Ion:156 Resp: 43380

Ion Ratio Lower Upper

156 100

77 197.5 98.7 296.1

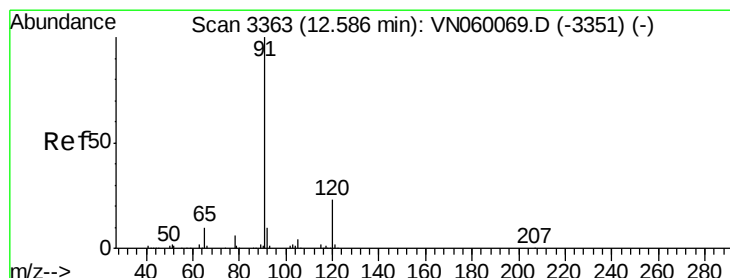
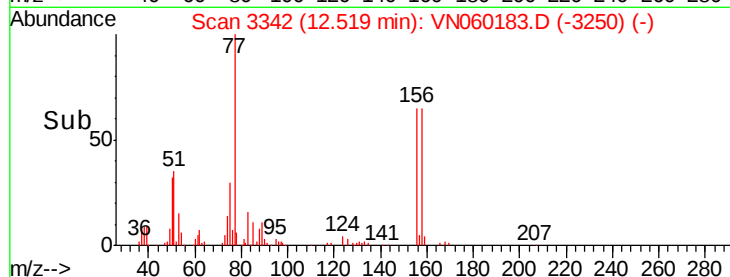
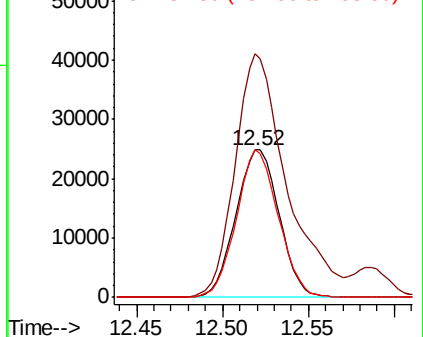
158 96.4 48.1 144.4



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: 18.171 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060183.D

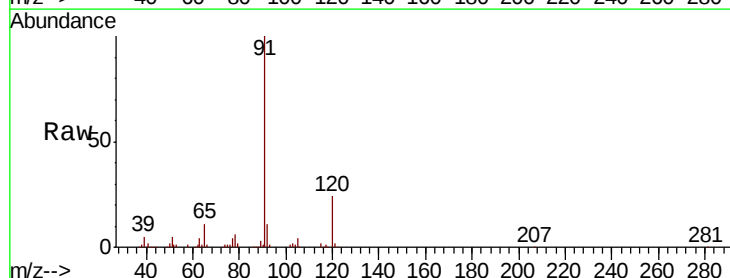
Acq: 21 Feb 2020 12:30

Tgt Ion: 91 Resp: 189520

Ion Ratio Lower Upper

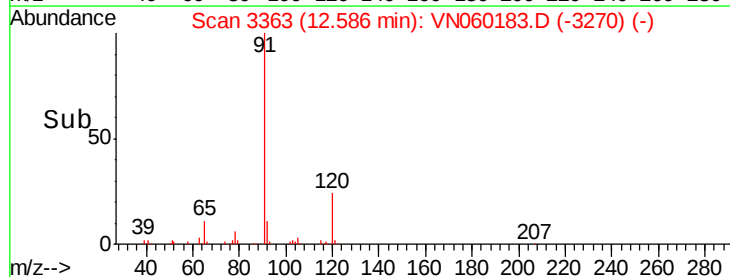
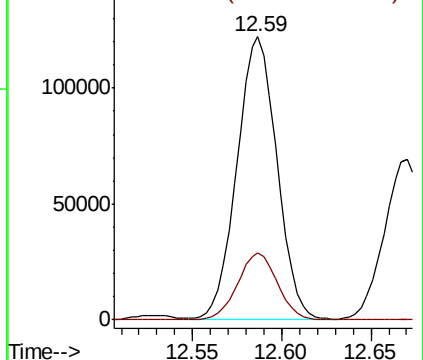
91 100

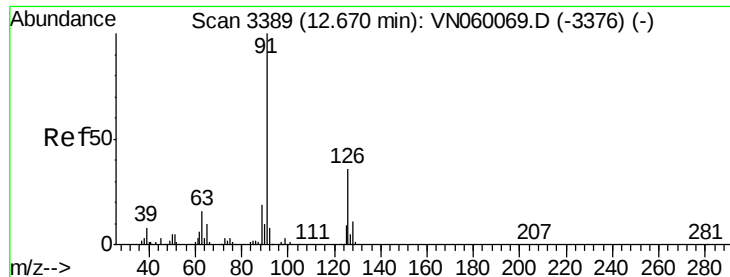
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.381 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

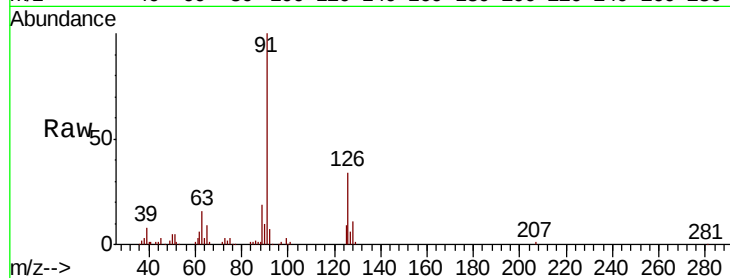
ClientSampleId :

Tot Ion: 91 Resp: 112678

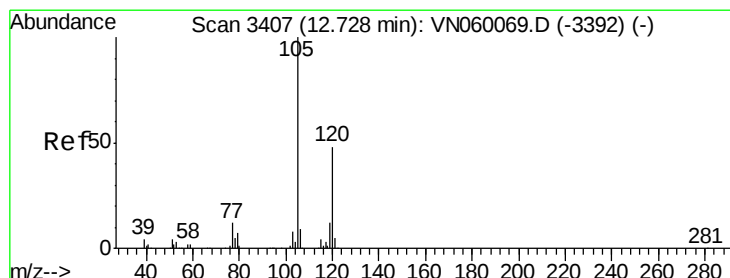
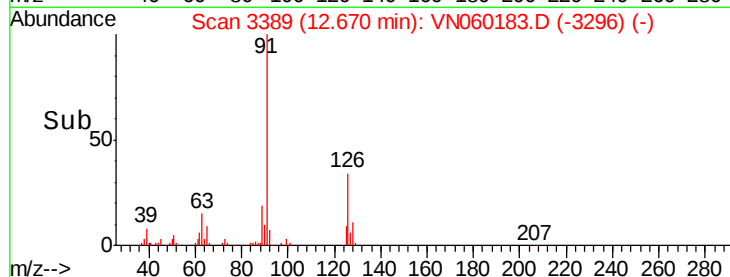
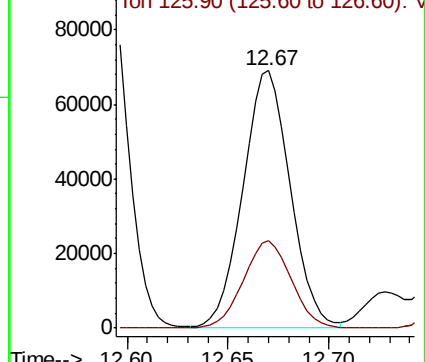
Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.2



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



#80

1,3,5-Trimethylbenzene

Concen: 18.564 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060183.D

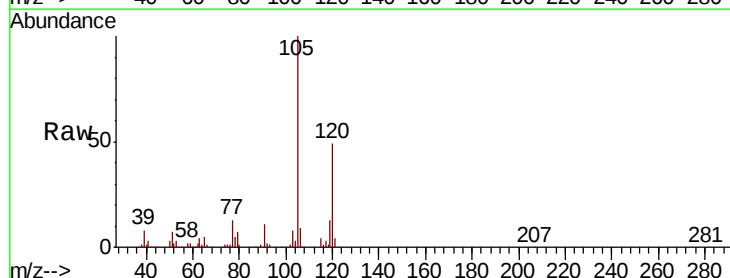
Acq: 21 Feb 2020 12:30

Tgt Ion: 105 Resp: 141293

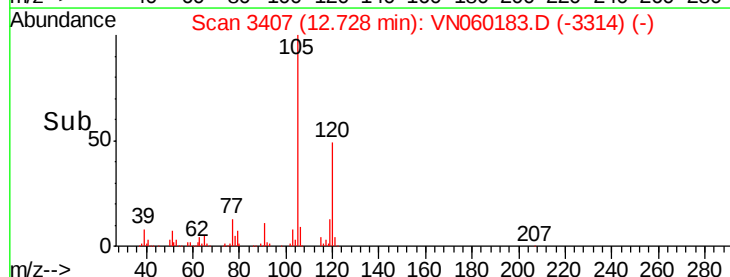
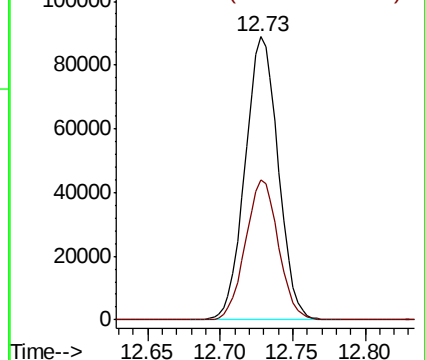
Ion Ratio Lower Upper

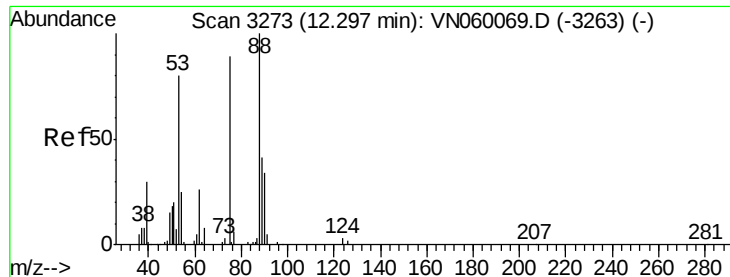
105 100

120 49.1 24.3 72.9



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.410 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

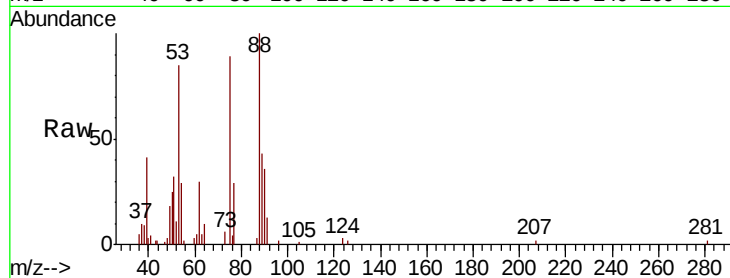
Tot Ion: 75 Resp: 17635

Ion Ratio Lower Upper

75 100

53 93.1 73.9 110.9

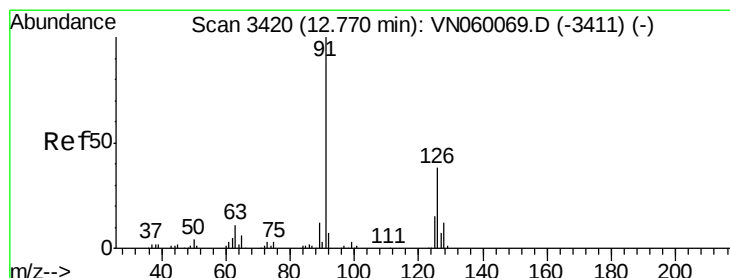
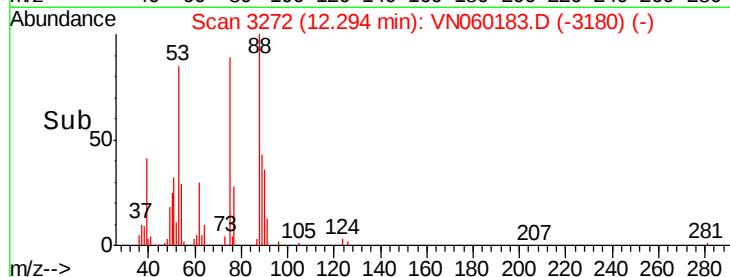
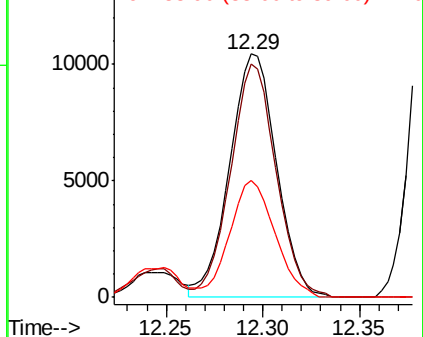
89 45.9 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN060069.D (-3263) (-)

Ion 88.90 (88.60 to 89.60): VN060069.D (-3263) (-)



#82

4-Chlorotoluene

Concen: 18.439 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060183.D

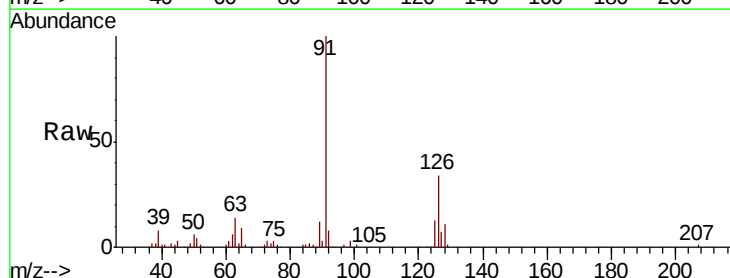
Acq: 21 Feb 2020 12:30

Tgt Ion: 91 Resp: 115970

Ion Ratio Lower Upper

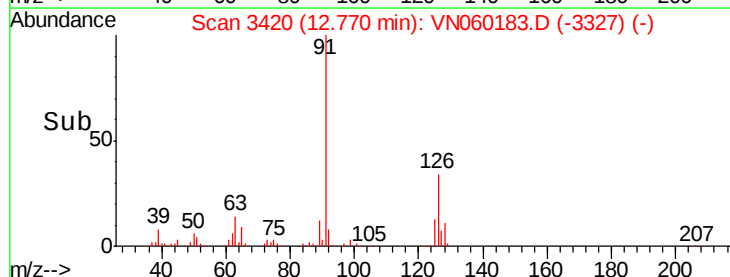
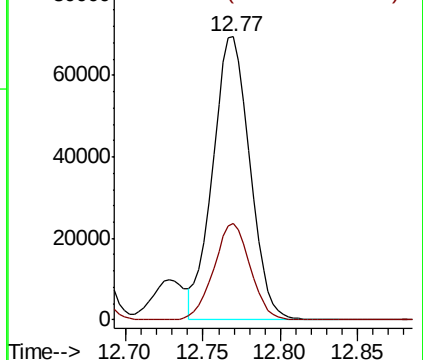
91 100

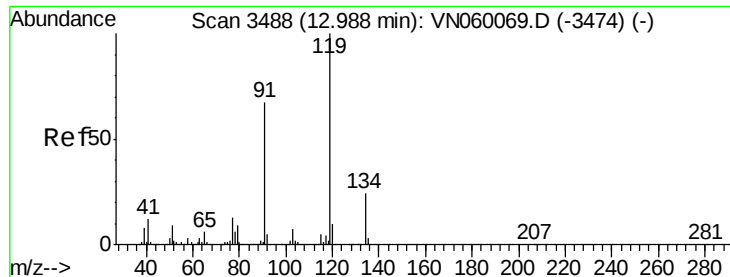
126 33.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3411) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3411) (-)





#83

tert-Butylbenzene

Concen: 18.167 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

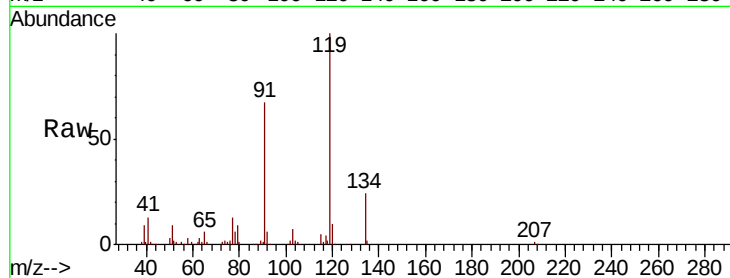
Tot Ion:119 Resp: 122322

Ion Ratio Lower Upper

119 100

91 66.4 32.7 98.1

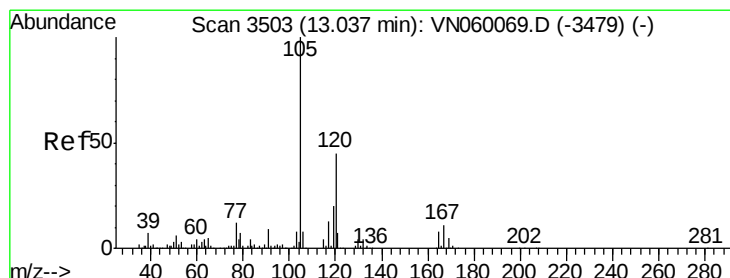
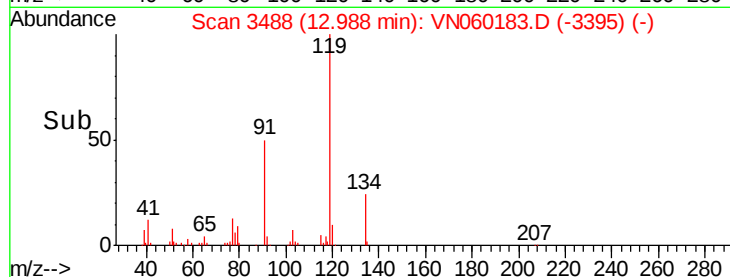
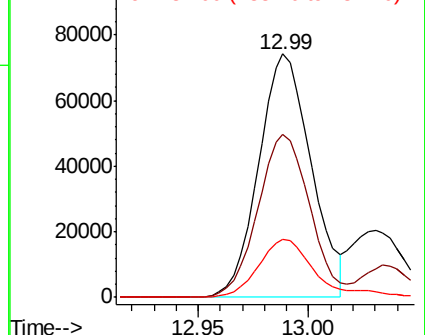
134 25.7 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.947 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060183.D

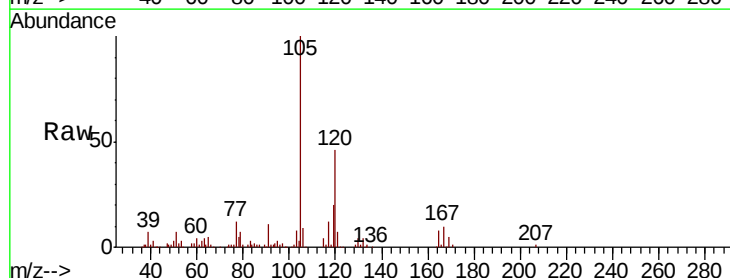
Acq: 21 Feb 2020 12:30

Tgt Ion:105 Resp: 142352

Ion Ratio Lower Upper

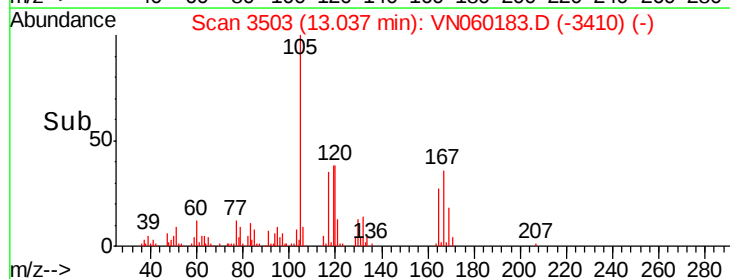
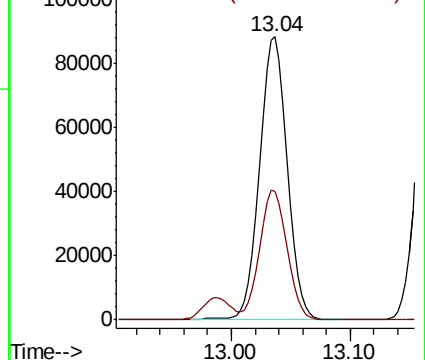
105 100

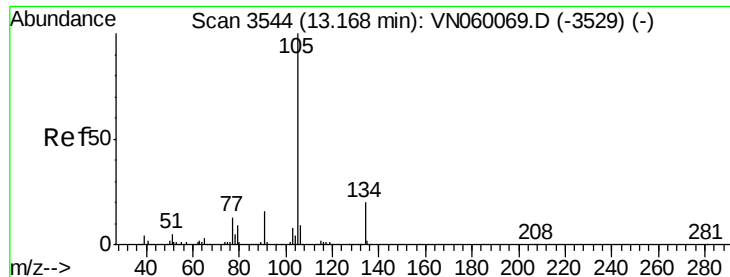
120 45.3 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.289 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

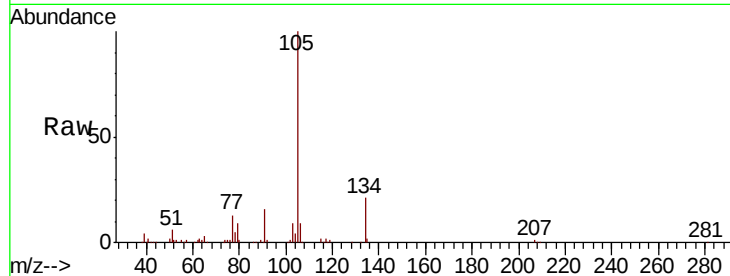
ClientSampled :

Tot Ion:105 Resp: 163086

Ion Ratio Lower Upper

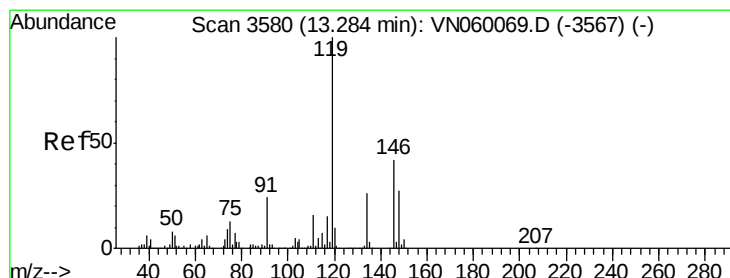
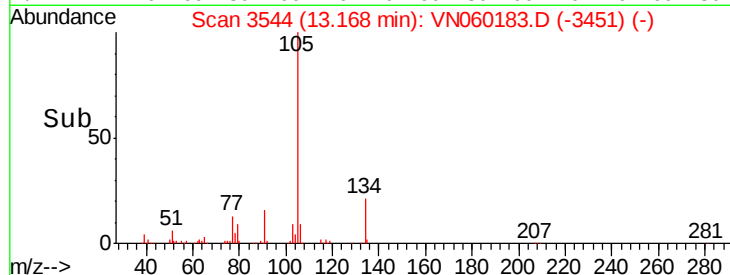
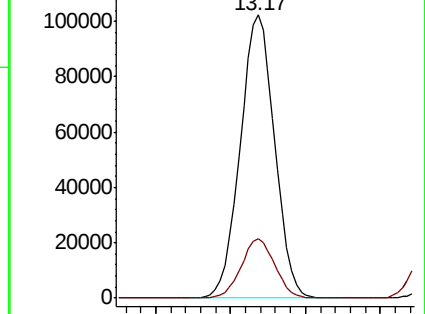
105 100

134 20.6 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.379 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

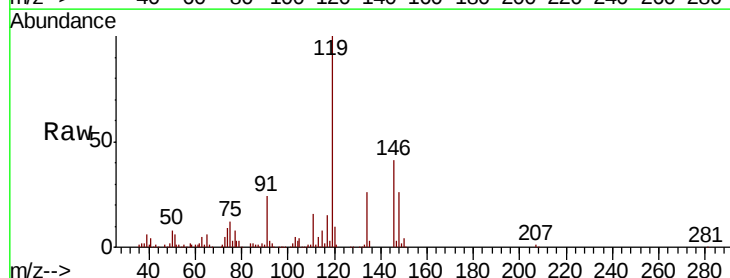
Tgt Ion:119 Resp: 148483

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

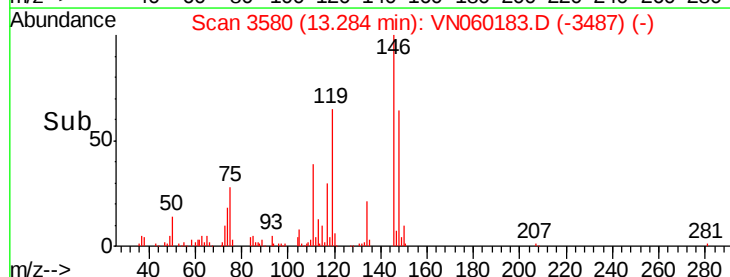
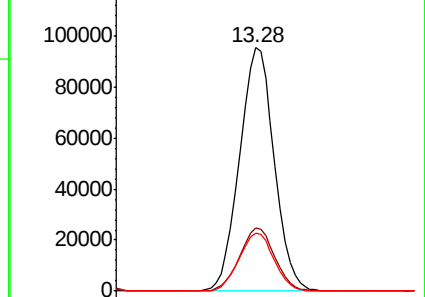
91 24.1 11.9 35.9

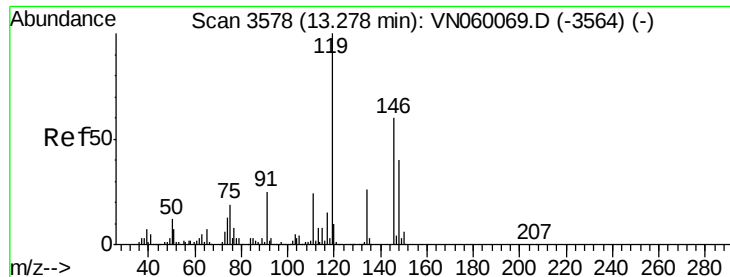


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.706 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060183.D

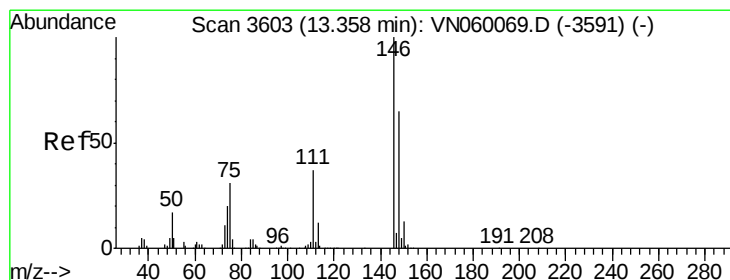
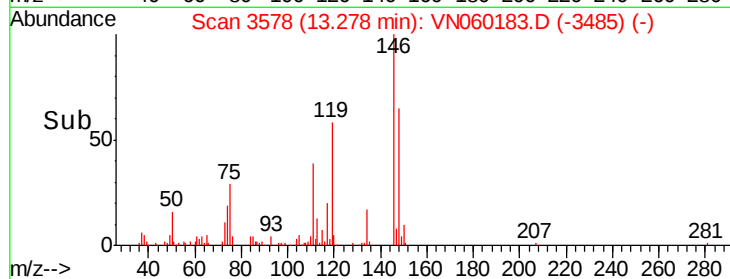
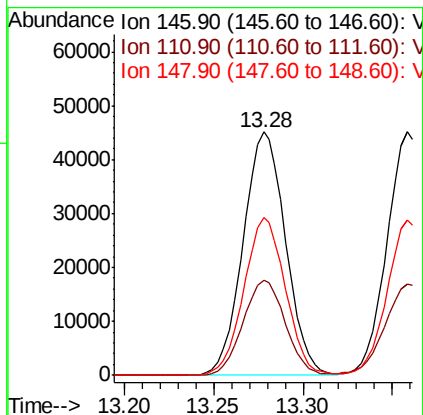
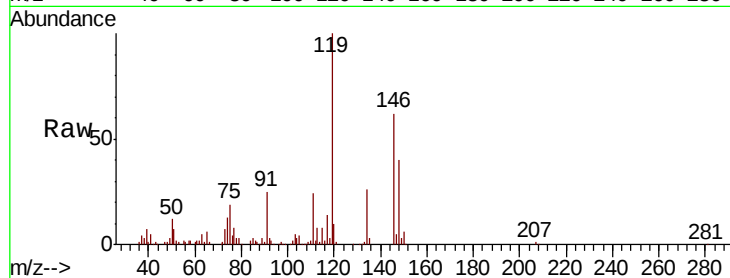
Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	75225
Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.3
148	63.3	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 18.636 ug/l

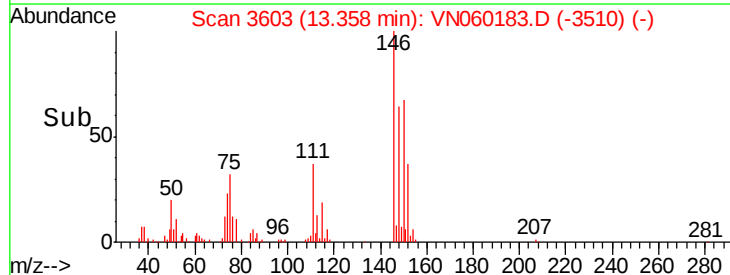
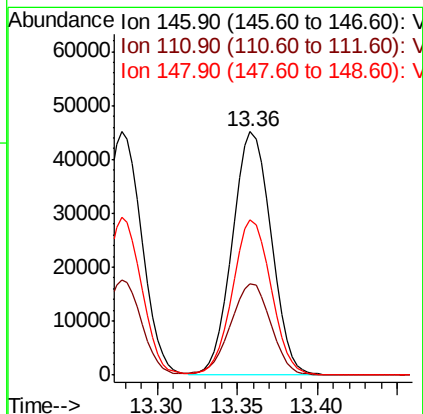
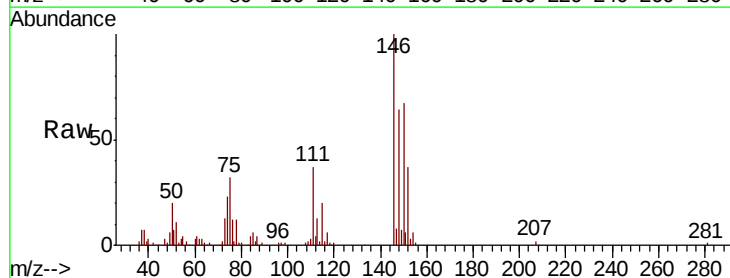
RT: 13.36 min Scan# 3603

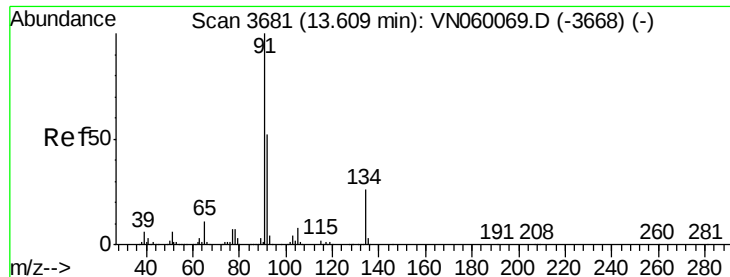
Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion:	146	Resp:	74929
Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.5
148	63.3	32.0	96.0





#89

n-Butylbenzene

Concen: 18.461 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

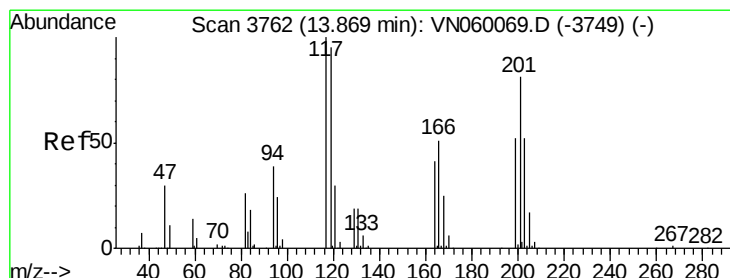
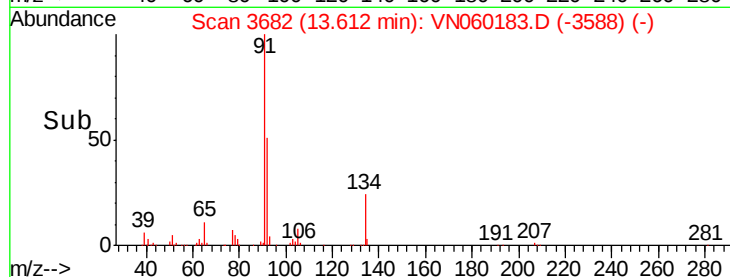
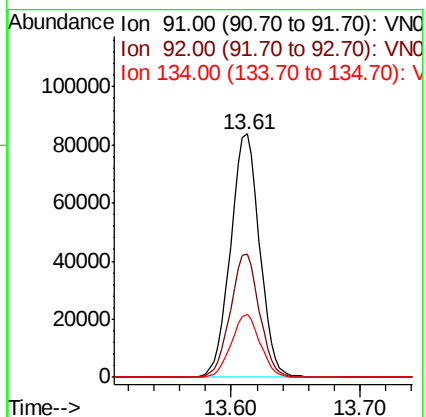
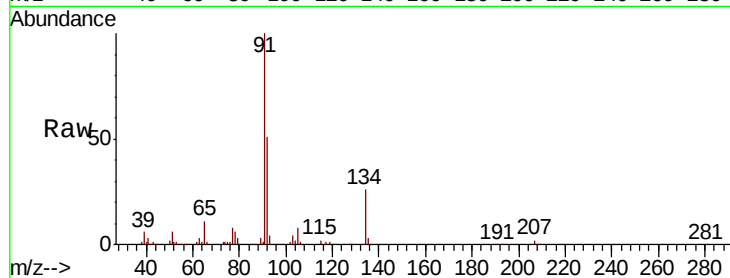
Tot Ion: 91 Resp: 131187

Ion Ratio Lower Upper

91 100

92 50.5 26.1 78.2

134 25.6 13.1 39.3



#90

Hexachloroethane

Concen: 18.014 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060183.D

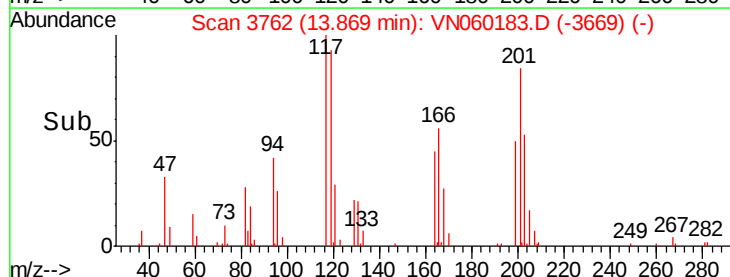
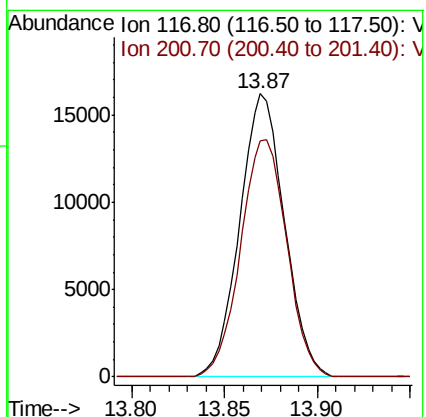
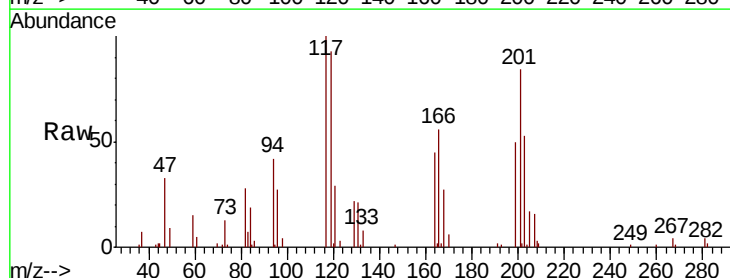
Acq: 21 Feb 2020 12:30

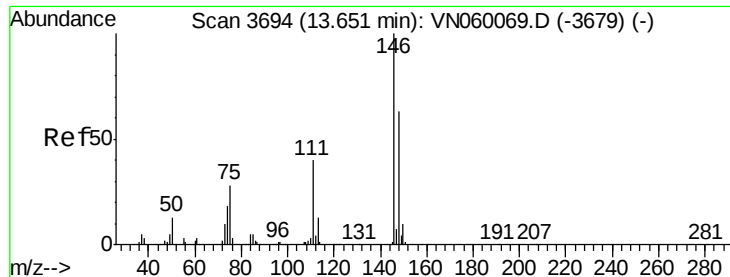
Tgt Ion: 117 Resp: 27189

Ion Ratio Lower Upper

117 100

201 86.3 41.7 125.1





#91

1,2-Dichlorobenzene

Concen: 18.880 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

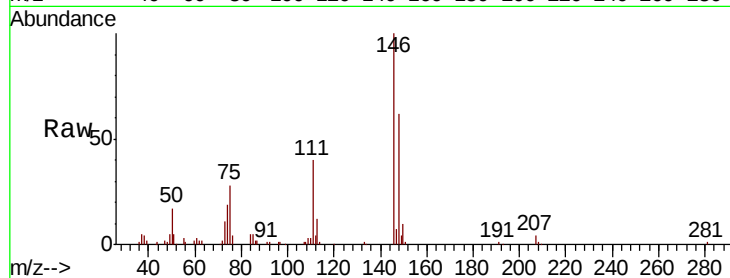
Tot Ion:146 Resp: 74301

Ion Ratio Lower Upper

146 100

111 39.5 20.1 60.2

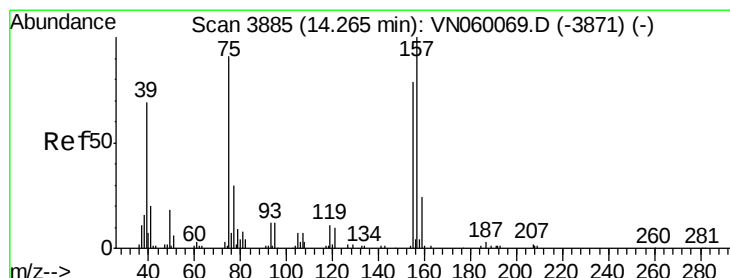
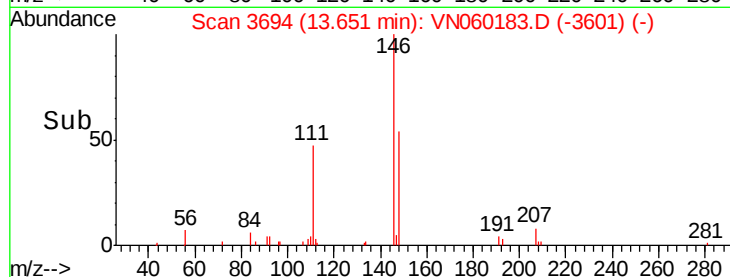
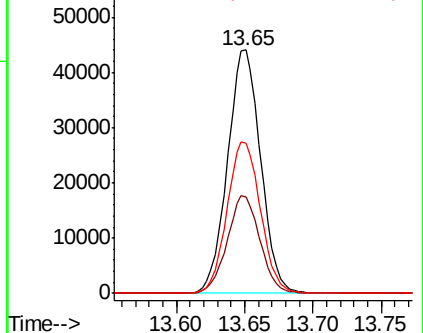
148 62.6 31.9 95.5



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: 18.342 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

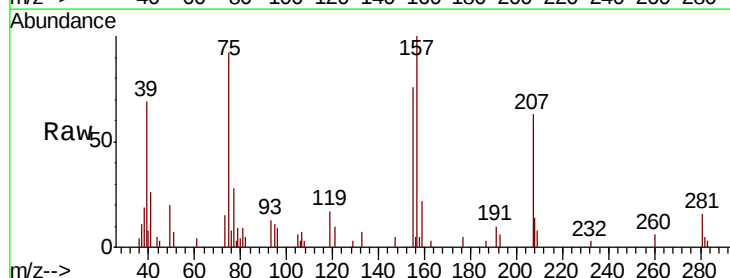
Tgt Ion: 75 Resp: 10550

Ion Ratio Lower Upper

75 100

155 80.5 43.0 129.0

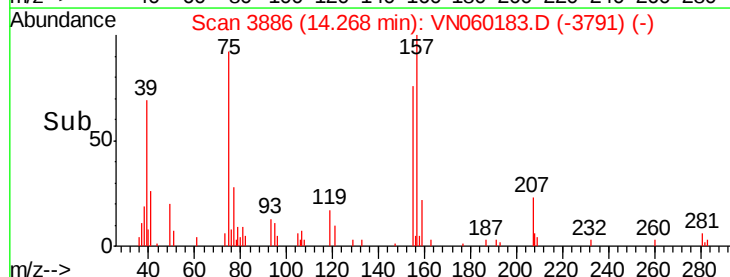
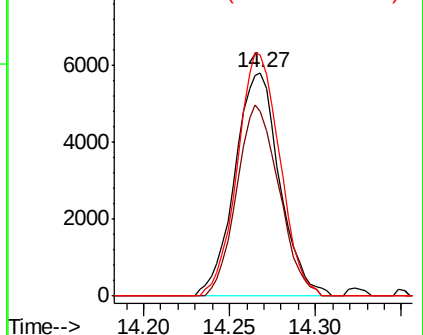
157 102.9 54.9 164.5

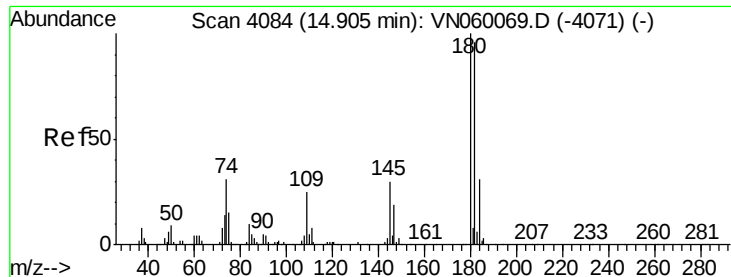


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

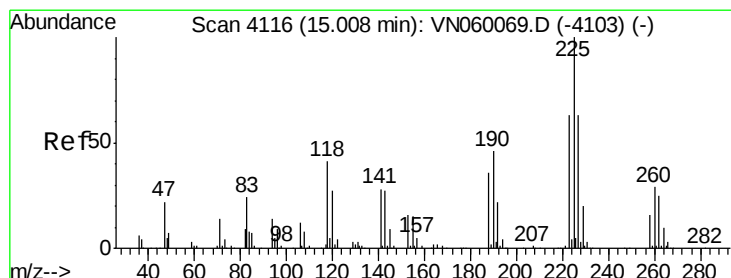
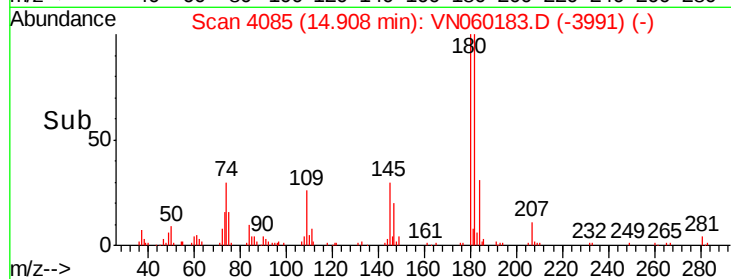
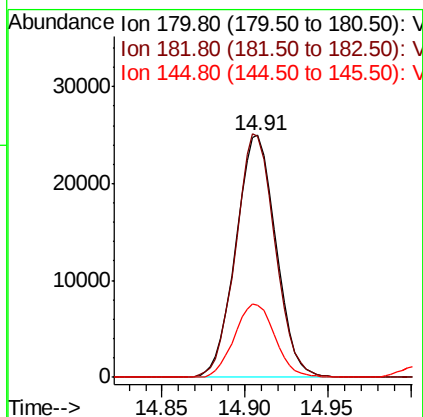
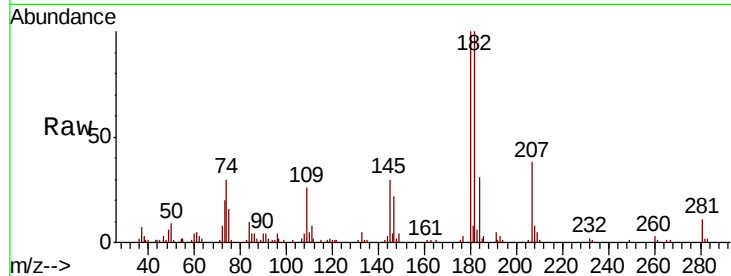




#93
 1,2,4-Trichlorobenzene
 Concen: 18.191 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

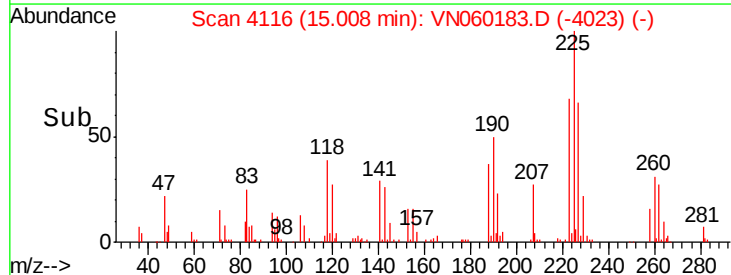
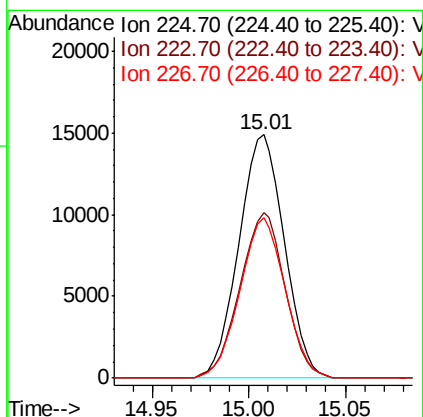
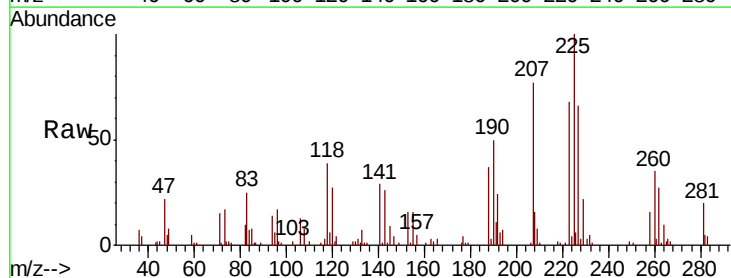
Instrument :
 MSVOA_N
 ClientSampled :

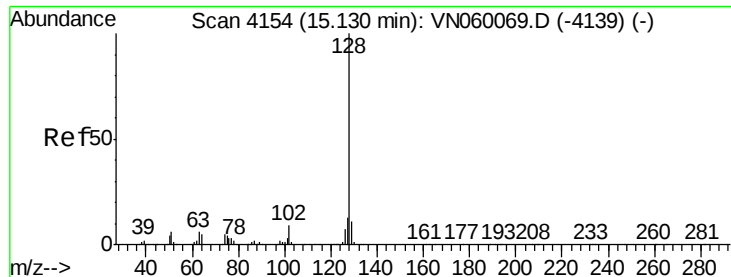
Tot Ion:180 Resp: 42065
 Ion Ratio Lower Upper
 180 100
 182 98.5 47.9 143.8
 145 30.5 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 18.001 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion:225 Resp: 24369
 Ion Ratio Lower Upper
 225 100
 223 67.3 31.5 94.5
 227 65.2 31.8 95.4





#95

Naphthalene

Concen: 18.401 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

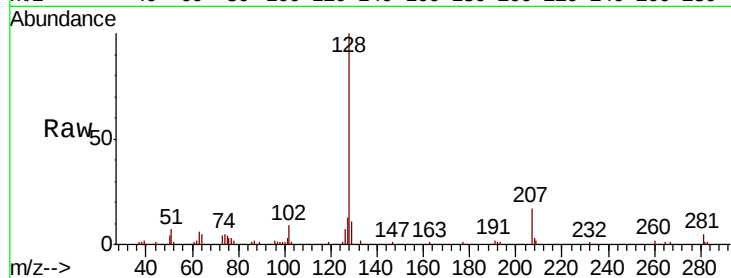
Tot Ion:128 Resp: 114939

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

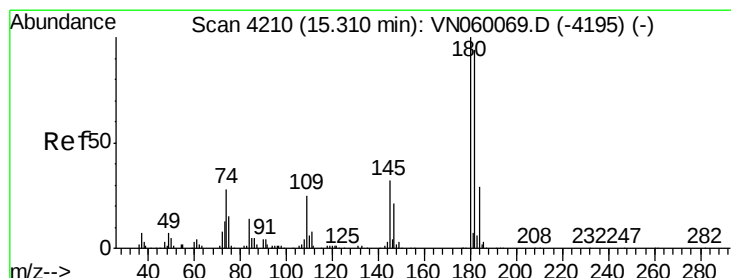
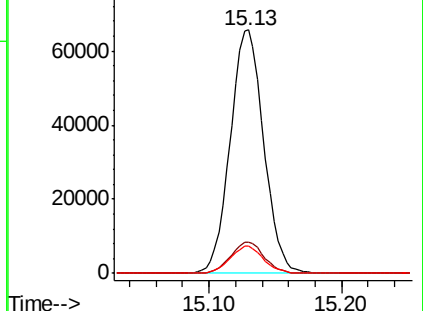
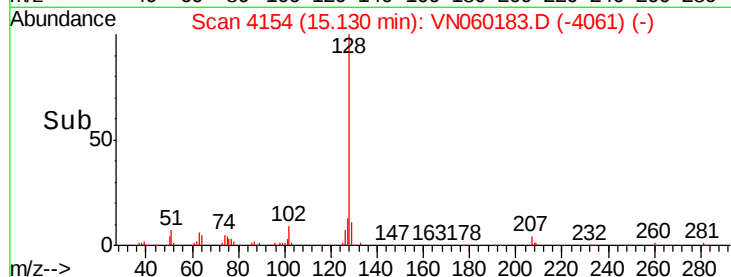
129 11.0 8.6 13.0



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: 18.627 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

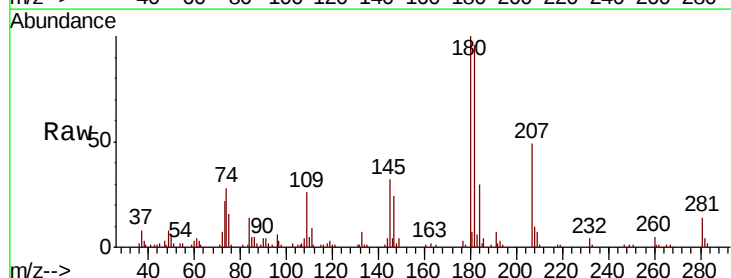
Tgt Ion:180 Resp: 42893

Ion Ratio Lower Upper

180 100

182 94.6 47.5 142.5

145 32.1 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

