

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052690.D
 Acq On : 6 Dec 2018 10:37
 Operator : MD\SY
 Sample : VN1206WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 06:36:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1018219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1532031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1365757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	624516	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	559381	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
35) Dibromofluoromethane	7.59	113	506985	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
50) Toluene-d8	10.09	98	1921921	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.40	95	649780	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	165805	17.391	ug/l	97
3) Chloromethane	2.06	50	211974	16.844	ug/l	96
4) Vinyl Chloride	2.19	62	228894	17.706	ug/l	100
5) Bromomethane	2.57	94	141952	17.598	ug/l	99
6) Chloroethane	2.71	64	138797	17.725	ug/l	100
7) Trichlorofluoromethane	3.02	101	304702	19.188	ug/l	99
8) Diethyl Ether	3.41	74	113243	19.311	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	194755	19.655	ug/l	98
10) Methyl Iodide	3.96	142	264436	20.037	ug/l	99
11) Tert butyl alcohol	4.78	59	58445	105.302	ug/l	98
12) 1,1-Dichloroethene	3.74	96	180879	18.964	ug/l	99
13) Acrolein	3.61	56	56696	58.775	ug/l	98
14) Allyl chloride	4.33	41	308892	18.790	ug/l	99
15) Acrylonitrile	4.99	53	340643	96.956	ug/l	100
16) Acetone	3.82	43	308603	105.535	ug/l	99
17) Carbon Disulfide	4.06	76	481414	16.039	ug/l	98
18) Methyl Acetate	4.33	43	172781	20.599	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	499770	19.694	ug/l	100
20) Methylene Chloride	4.55	84	212765	18.593	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	192916	18.938	ug/l	95
22) Diisopropyl ether	5.95	45	669929	19.401	ug/l	99
23) Vinyl Acetate	5.90	43	2013978	93.642	ug/l	99
24) 1,1-Dichloroethane	5.85	63	385386	19.547	ug/l	99
25) 2-Butanone	6.83	43	408003	98.439	ug/l	97
26) 2,2-Dichloropropane	6.83	77	278015	20.373	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	227437	19.167	ug/l	100
28) Bromochloromethane	7.19	49	172393	19.144	ug/l	97
29) Tetrahydrofuran	7.21	42	250975	93.881	ug/l	98
30) Chloroform	7.37	83	379996	19.318	ug/l	100
31) Cyclohexane	7.66	56	352540	18.242	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	310092	19.897	ug/l	99
36) 1,1-Dichloropropene	7.79	75	283688	19.609	ug/l	99
37) Ethyl Acetate	6.93	43	168714	19.108	ug/l	98
38) Carbon Tetrachloride	7.77	117	269189	20.554	ug/l	98

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 Data File : VN052690.D
 Acq On : 6 Dec 2018 10:37
 Operator : MD\SY
 Sample : VN1206WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 06:36:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	343509	19.535	ug/l	99
40) Benzene	8.04	78	866280	20.092	ug/l	99
41) Methacrylonitrile	7.17	41	99585	20.630	ug/l	94
42) 1,2-Dichloroethane	8.12	62	267489	20.490	ug/l	100
43) Isopropyl Acetate	8.16	43	300235	20.093	ug/l #	87
44) Trichloroethene	8.83	130	231303	20.944	ug/l	99
45) 1,2-Dichloropropane	9.12	63	233675	20.385	ug/l	98
46) Dibromomethane	9.21	93	130483	20.563	ug/l	98
47) Bromodichloromethane	9.40	83	285896	20.722	ug/l	98
48) Methyl methacrylate	9.20	41	154207	19.793	ug/l	98
49) 1,4-Dioxane	9.20	88	36192	447.596	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	864713	103.145	ug/l	100
52) Toluene	10.16	92	530216	20.698	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	273960	20.641	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	331508	20.842	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	188221	20.888	ug/l	98
56) Ethyl methacrylate	10.43	69	234371	20.415	ug/l	98
57) 1,3-Dichloropropane	10.71	76	324225	20.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	697311	106.647	ug/l	98
59) 2-Hexanone	10.75	43	596043	105.933	ug/l	100
60) Dibromochloromethane	10.90	129	210016	21.459	ug/l	99
61) 1,2-Dibromoethane	11.00	107	183937	20.552	ug/l	99
64) Tetrachloroethene	10.63	164	222954	21.055	ug/l	98
65) Chlorobenzene	11.43	112	585536	20.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	206389	21.077	ug/l	100
67) Ethyl Benzene	11.51	91	1001901	20.316	ug/l	99
68) m/p-Xylenes	11.62	106	758286	41.303	ug/l	100
69) o-Xylene	11.95	106	370355	20.773	ug/l	99
70) Styrene	11.96	104	603356	21.248	ug/l	99
71) Bromoform	12.13	173	137125	21.150	ug/l #	100
73) Isopropylbenzene	12.25	105	1000081	20.411	ug/l	99
74) N-amyl acetate	12.07	43	242393	19.582	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219229	19.669	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	276006	28.660	ug/l #	100
77) Bromobenzene	12.53	156	248755	20.540	ug/l	97
78) n-propylbenzene	12.59	91	1145385	20.577	ug/l	99
79) 2-Chlorotoluene	12.67	91	668988	20.182	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	820367	20.993	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59094	20.492	ug/l	98
82) 4-Chlorotoluene	12.77	91	680637	20.374	ug/l	99
83) tert-Butylbenzene	12.99	119	721603	20.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	819740	20.932	ug/l	100
85) sec-Butylbenzene	13.17	105	991395	20.894	ug/l	100
86) p-Isopropyltoluene	13.29	119	847363	20.967	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	435433	20.554	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	425623	20.397	ug/l	99
89) n-Butylbenzene	13.62	91	697030	20.738	ug/l	100
90) Hexachloroethane	13.88	117	141004	20.605	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	425103	21.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32342	20.289	ug/l	99

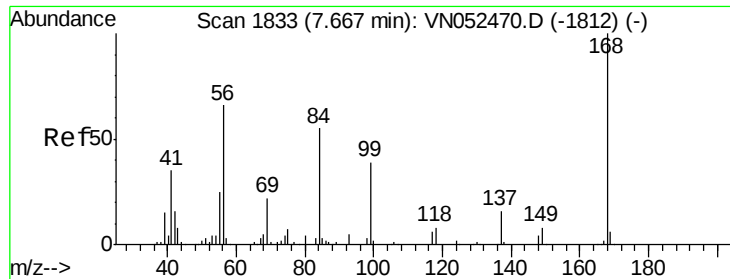
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
Data File : VN052690.D
Acq On : 6 Dec 2018 10:37
Operator : MD\SY
Sample : VN1206WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 07 06:36:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	208861	20.601	ug/l	99
94) Hexachlorobutadiene	15.01	225	141461	21.726	ug/l	98
95) Naphthalene	15.13	128	409253	19.641	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	198007	21.091	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

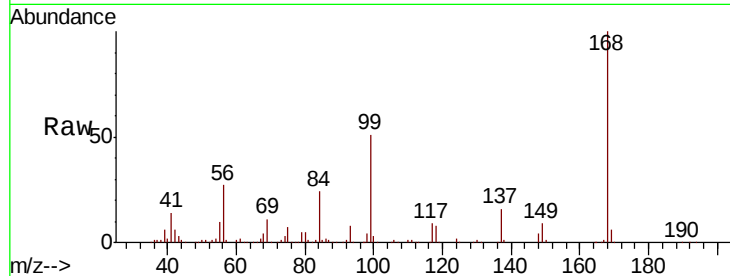
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1018219

Ion Ratio Lower Upper

168 100

99 50.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

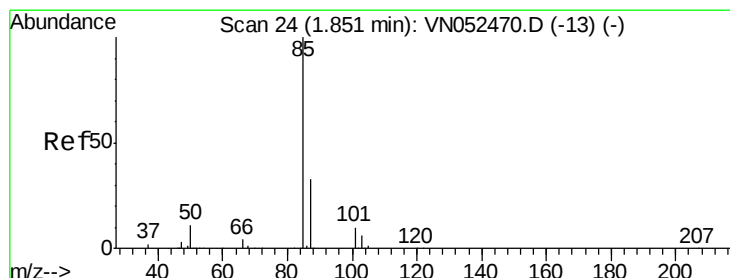
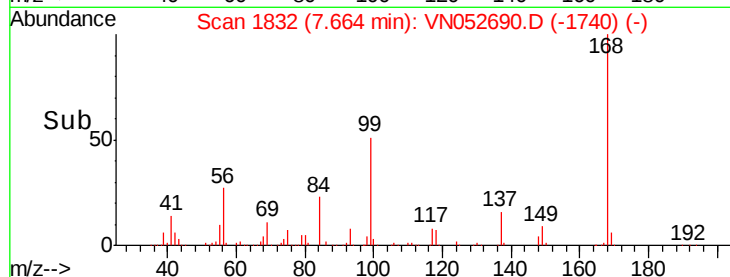
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.391 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052690.D

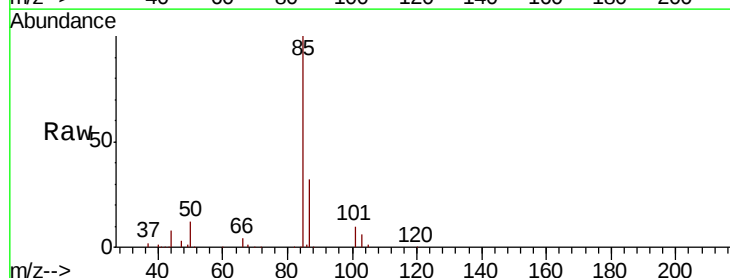
Acq: 6 Dec 2018 10:37

Tgt Ion: 85 Resp: 165805

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

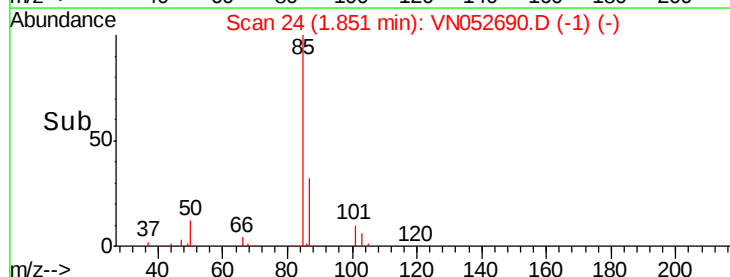
100000

50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.844 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

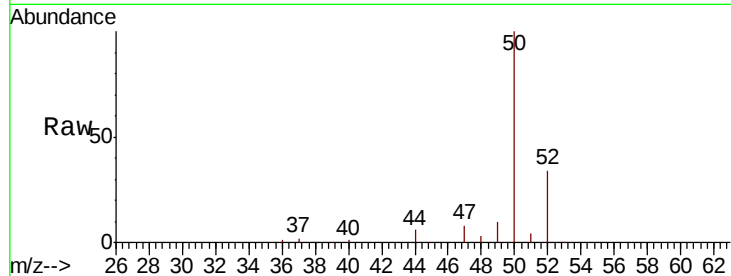
ClientSampled :

Tot Ion: 50 Resp: 211974

Ion Ratio Lower Upper

50 100

52 34.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

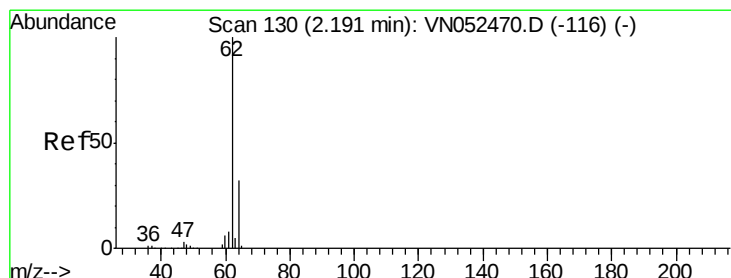
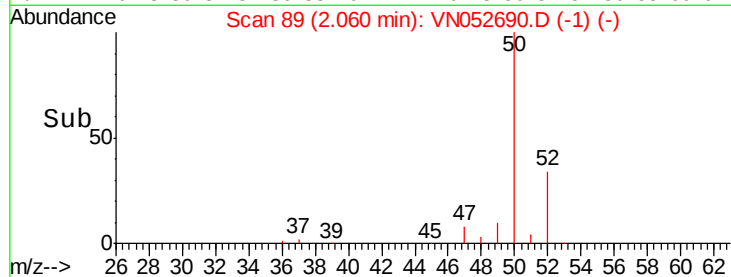
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 17.706 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052690.D

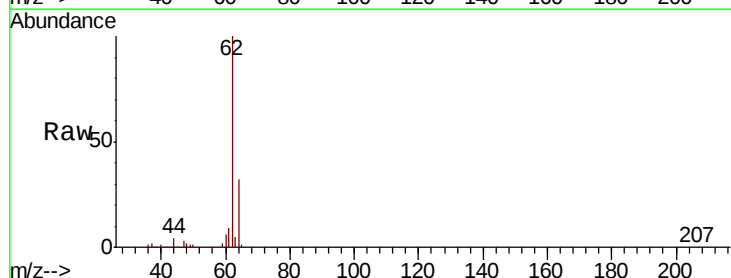
Acq: 6 Dec 2018 10:37

Tgt Ion: 62 Resp: 228894

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

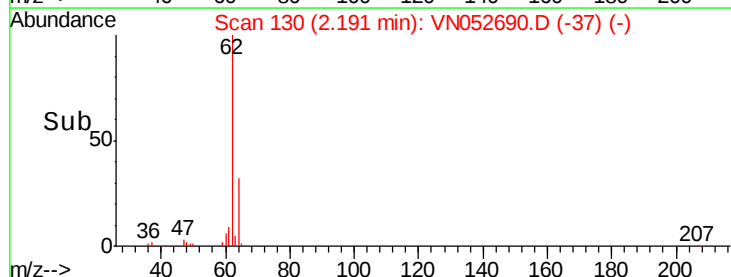
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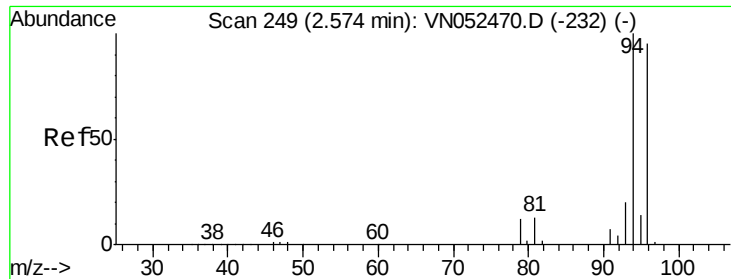
100000

50000

0

Time-->

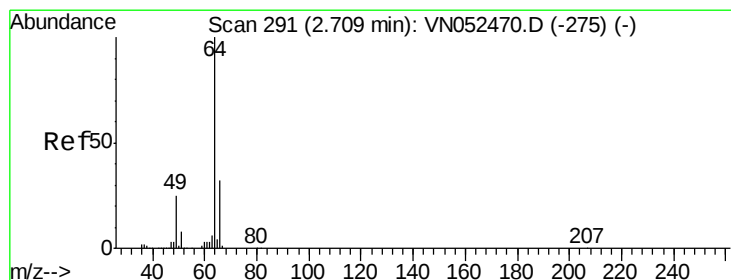
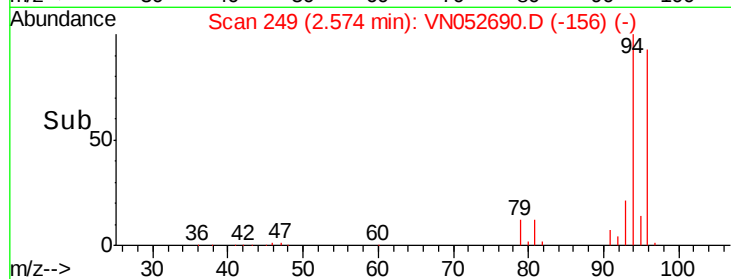
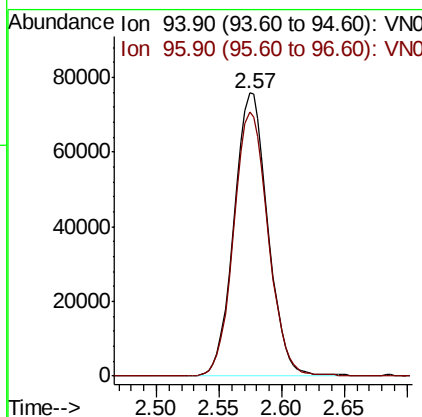
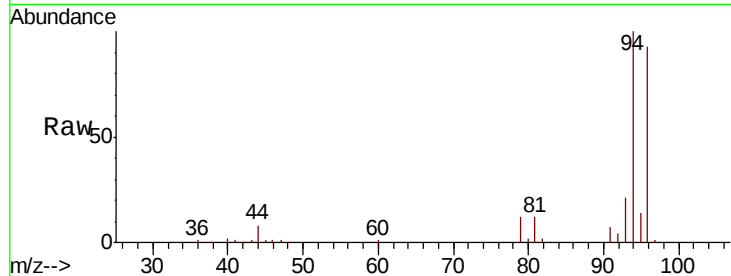




#5
 Bromomethane
 Concen: 17.598 ug/l
 RT: 2.57 min Scan# 249
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

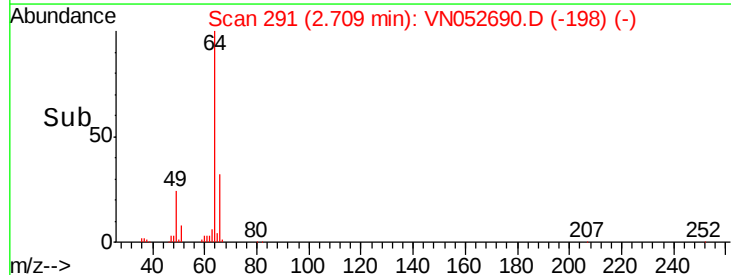
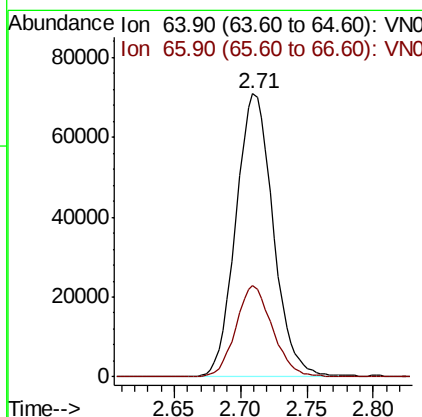
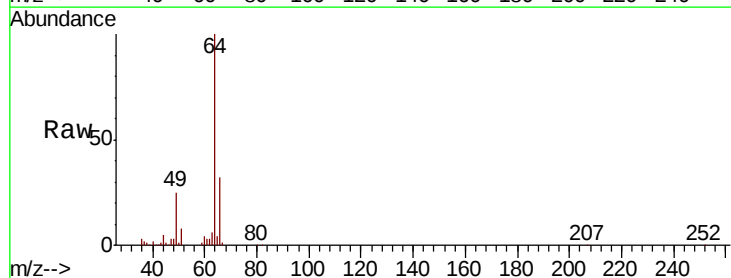
Instrument :
 MSVOA_N
 ClientSampled :

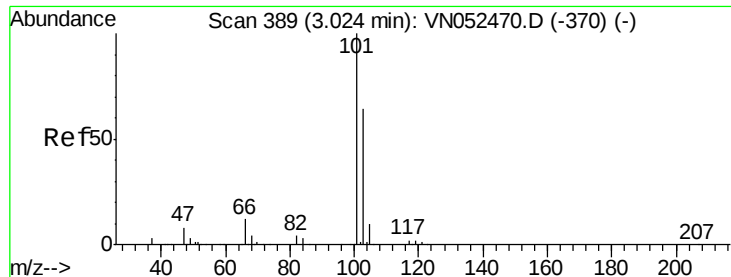
Tot Ion: 94 Resp: 141952
 Ion Ratio Lower Upper
 94 100
 96 93.5 75.8 113.8



#6
 Chloroethane
 Concen: 17.725 ug/l
 RT: 2.71 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion: 64 Resp: 138797
 Ion Ratio Lower Upper
 64 100
 66 32.3 25.7 38.5



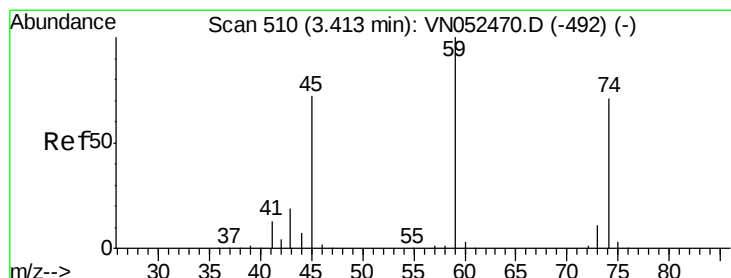
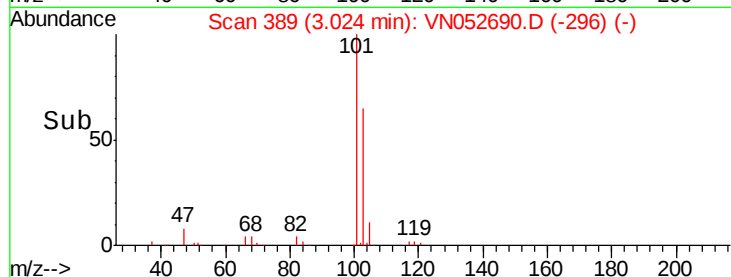
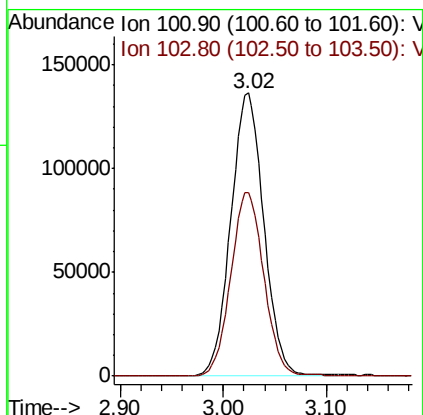
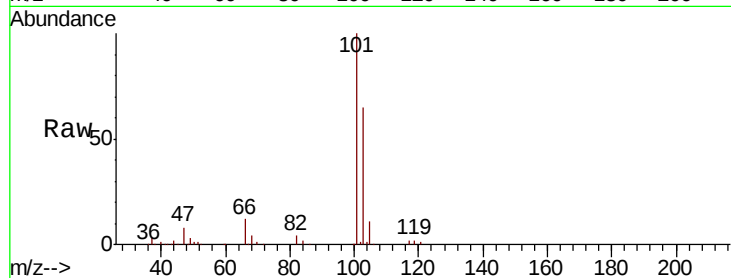


#7

Trichlorofluoromethane
 Concen: 19.188 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampled :

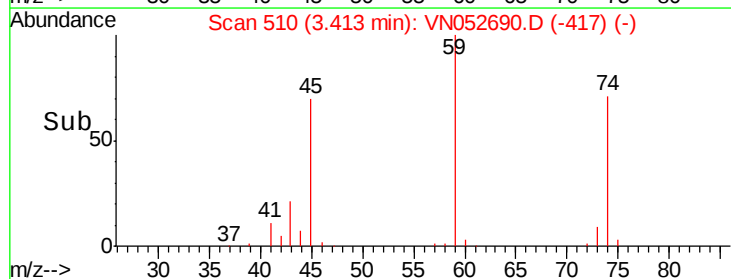
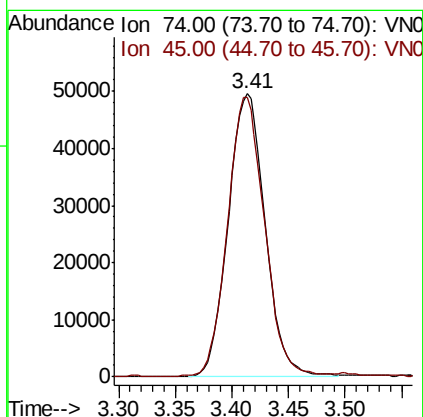
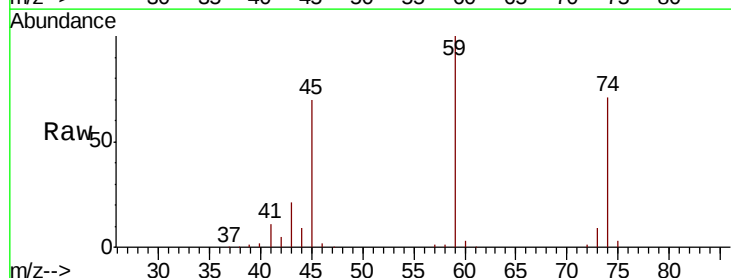
Tot Ion:101 Resp: 304702
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.2



#8

Diethyl Ether
 Concen: 19.311 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion: 74 Resp: 113243
 Ion Ratio Lower Upper
 74 100
 45 99.1 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.655 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

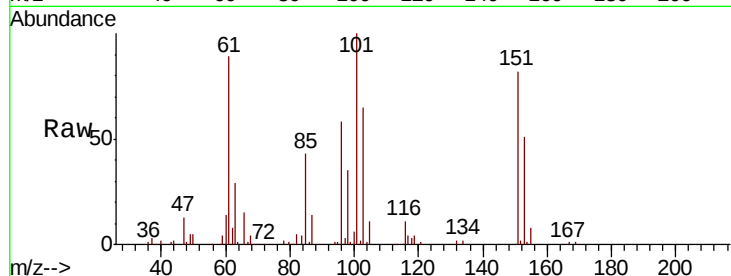
Tot Ion:101 Resp: 194755

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

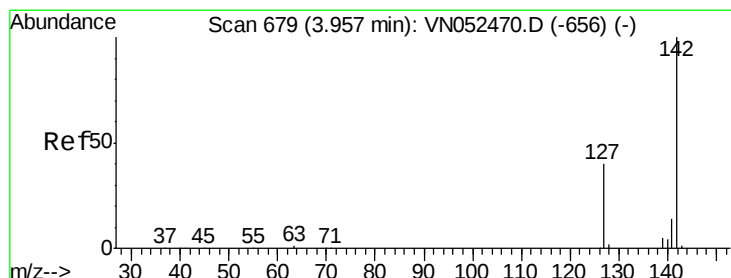
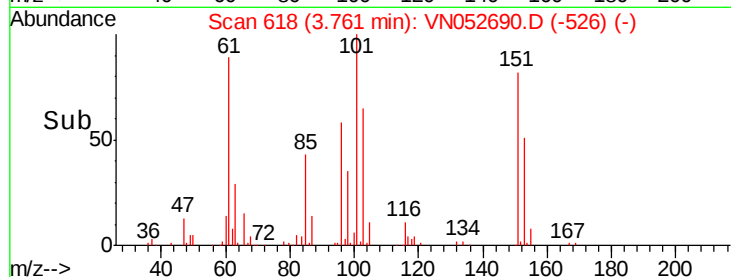
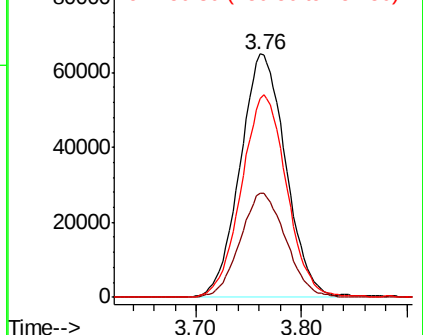
151 82.9 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.037 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

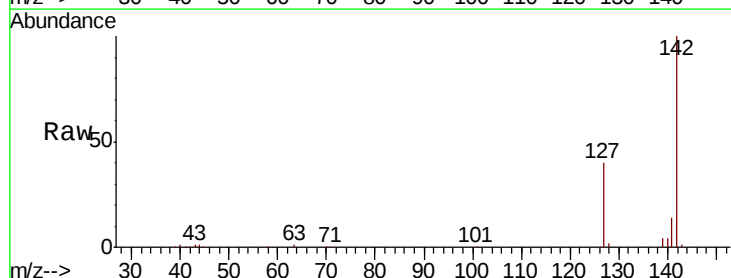
Tgt Ion:142 Resp: 264436

Ion Ratio Lower Upper

142 100

127 38.9 31.8 47.6

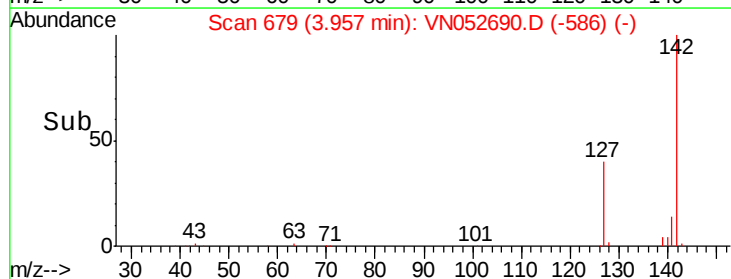
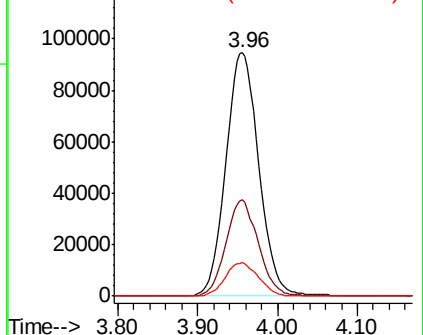
141 14.0 11.4 17.0

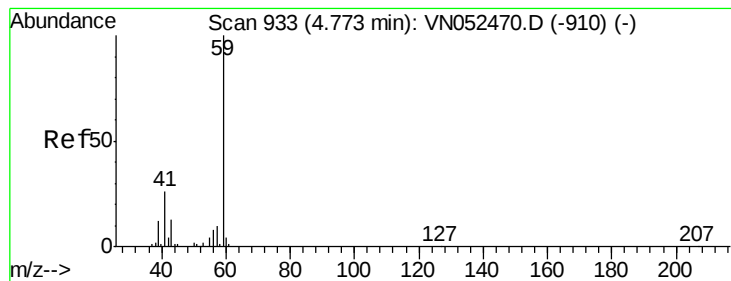


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 105.302 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

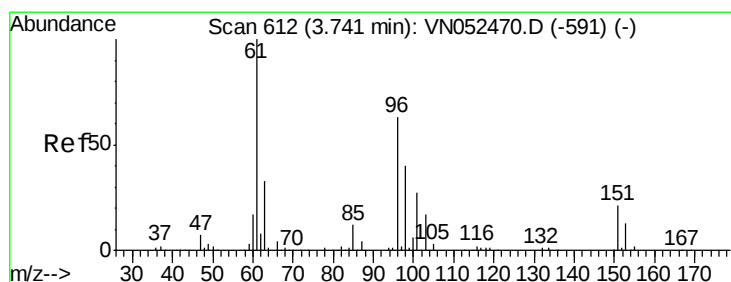
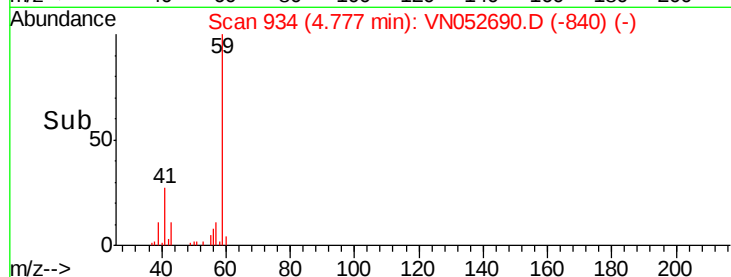
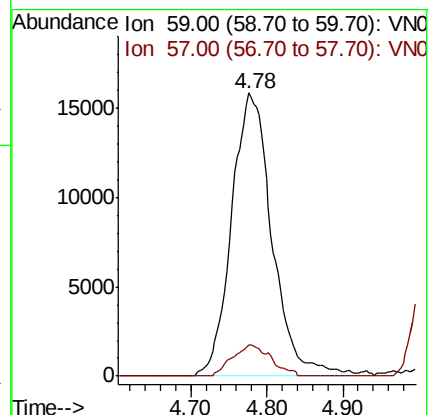
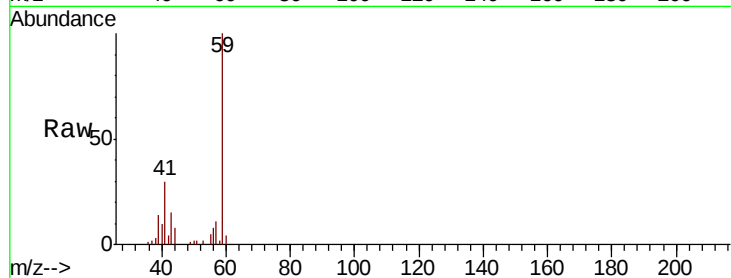
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 59 Resp: 58445

Ion Ratio Lower Upper

59 100

57 10.6 7.9 11.9



#12

1,1-Dichloroethene

Concen: 18.964 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

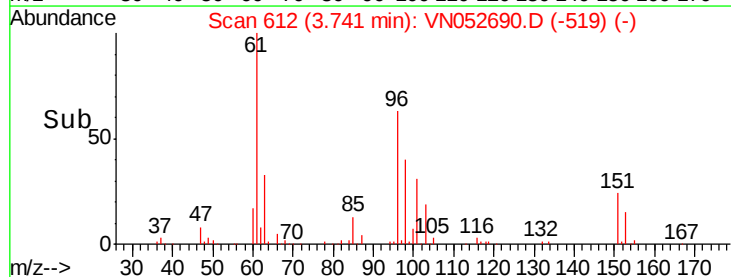
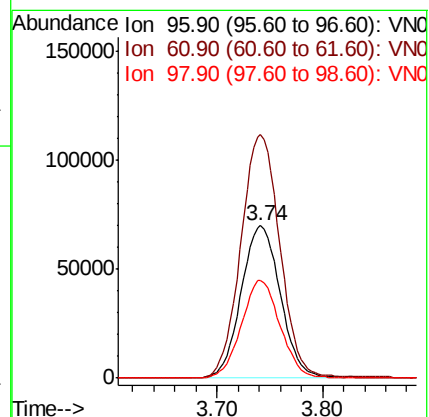
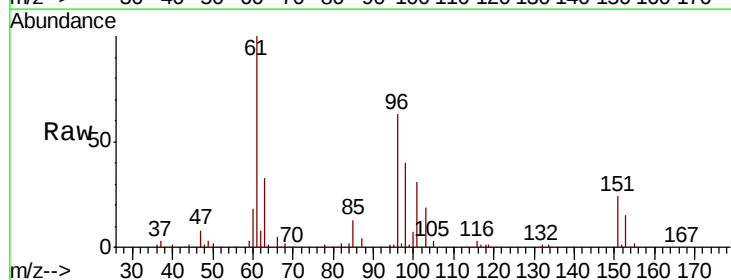
Tgt Ion: 96 Resp: 180879

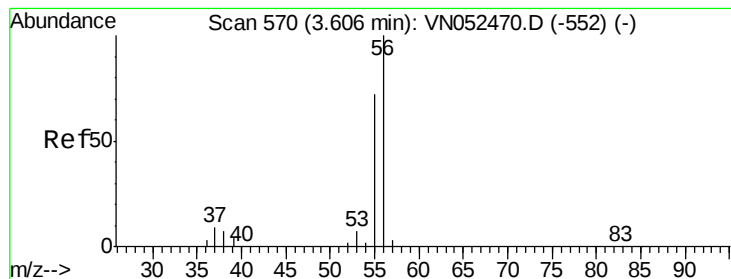
Ion Ratio Lower Upper

96 100

61 159.8 127.0 190.6

98 64.5 50.3 75.5





#13

Acrolein

Concen: 58.775 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

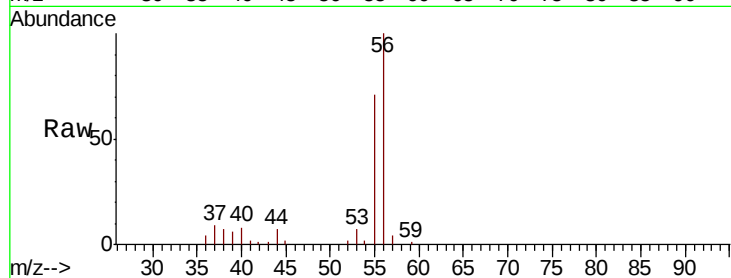
ClientSampleId :

Tot Ion: 56 Resp: 56696

Ion Ratio Lower Upper

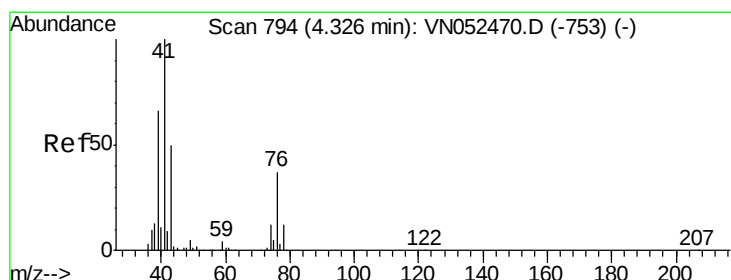
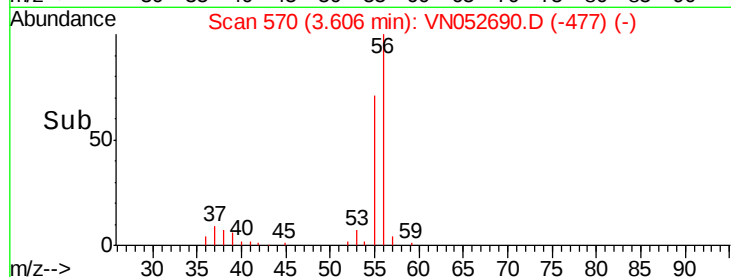
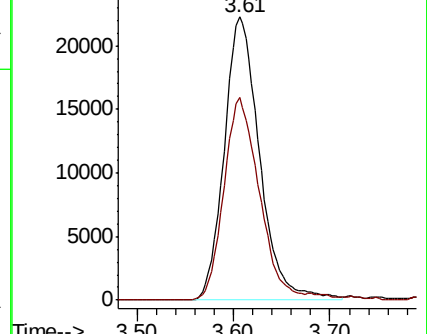
56 100

55 72.7 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.790 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

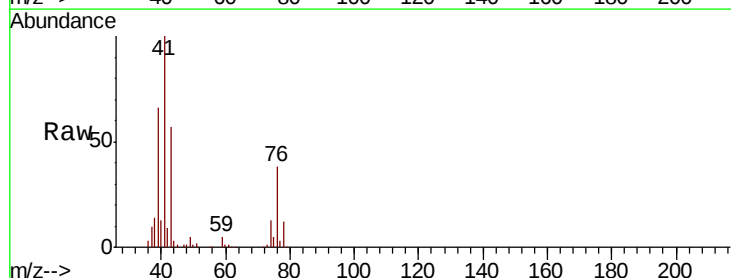
Tgt Ion: 41 Resp: 308892

Ion Ratio Lower Upper

41 100

39 64.1 50.6 76.0

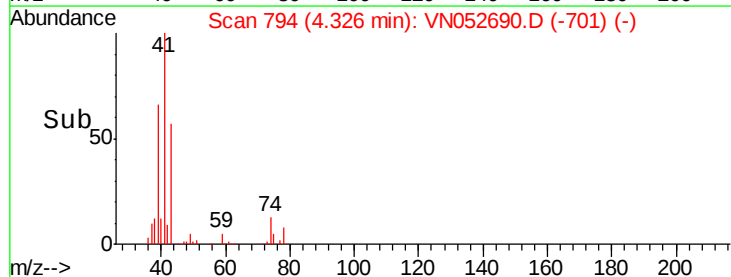
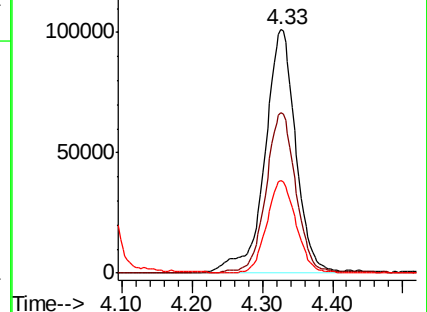
76 35.4 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.956 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

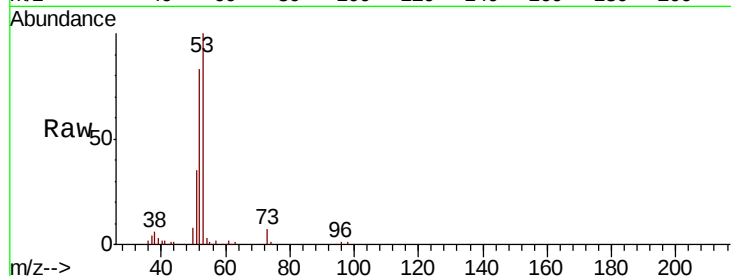
Tot Ion: 53 Resp: 340643

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.2

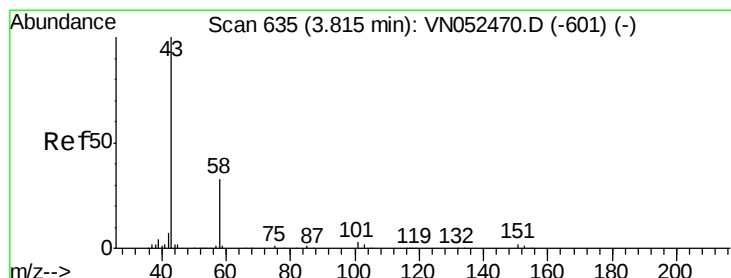
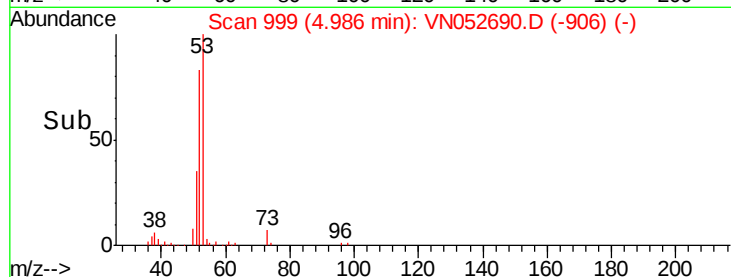
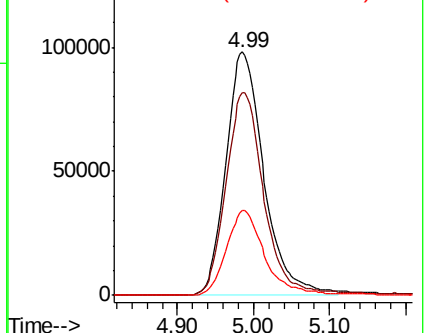
51 35.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052470.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN052470.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN052470.D (-976) (-)



#16

Acetone

Concen: 105.535 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052690.D

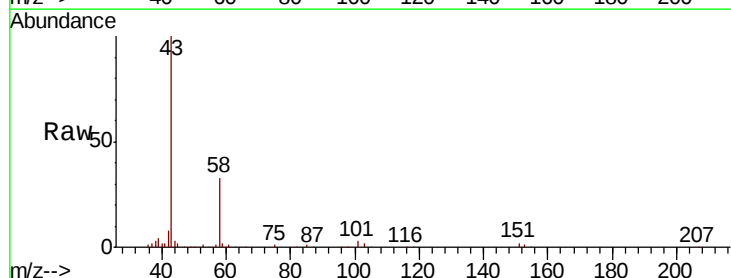
Acq: 6 Dec 2018 10:37

Tgt Ion: 43 Resp: 308603

Ion Ratio Lower Upper

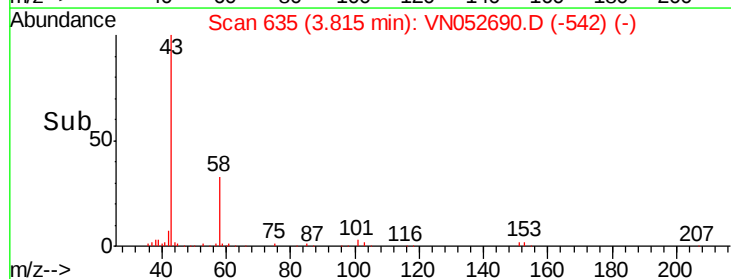
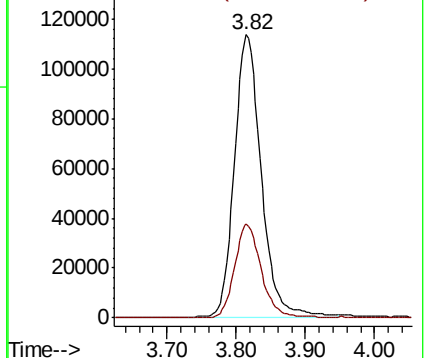
43 100

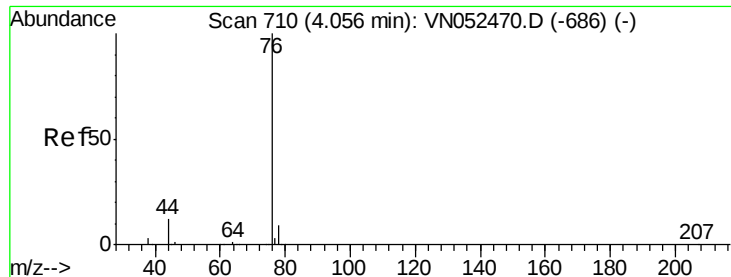
58 33.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)





#17

Carbon Disulfide

Concen: 16.039 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

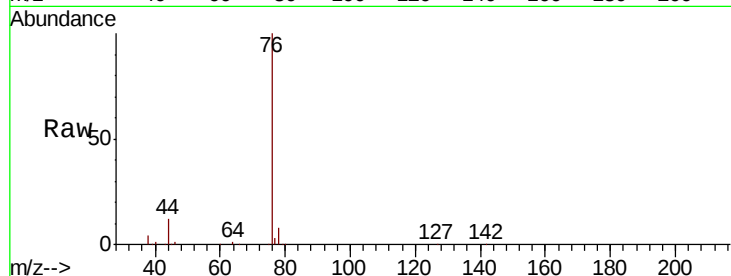
ClientSampled :

Tot Ion: 76 Resp: 481414

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-686) (-)

4.06

200000

150000

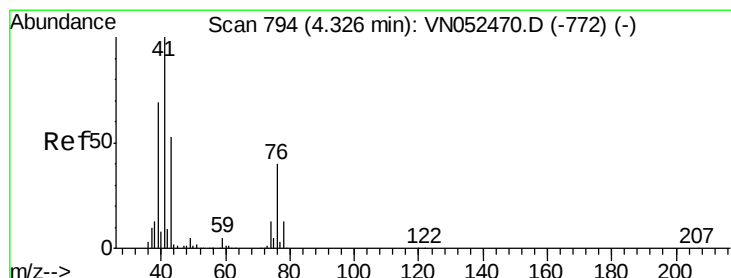
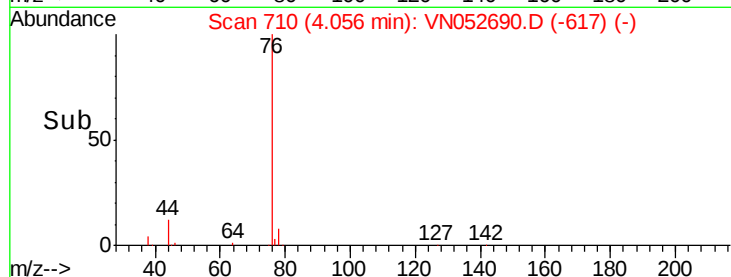
100000

50000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 20.599 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052690.D

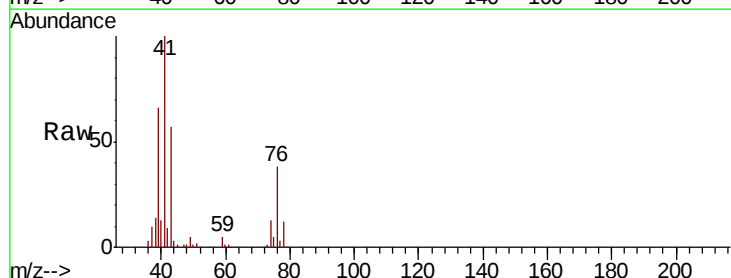
Acq: 6 Dec 2018 10:37

Tgt Ion: 43 Resp: 172781

Ion Ratio Lower Upper

43 100

74 23.2 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN052470.D (-772) (-)

4.33

60000

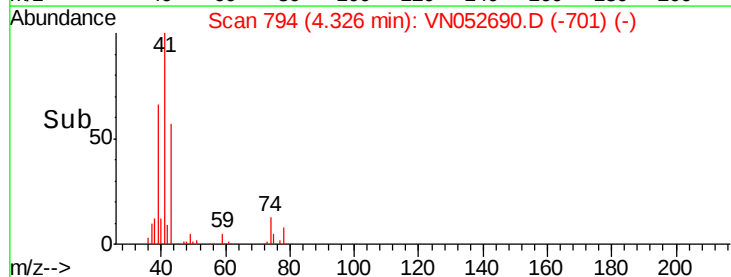
40000

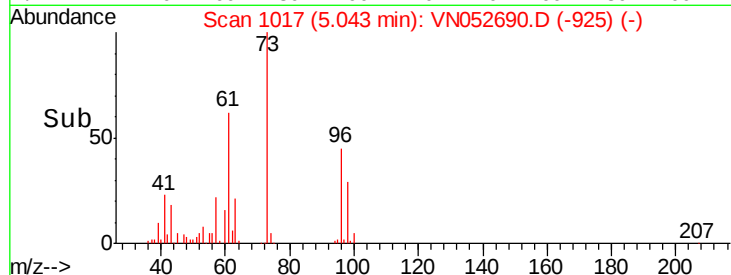
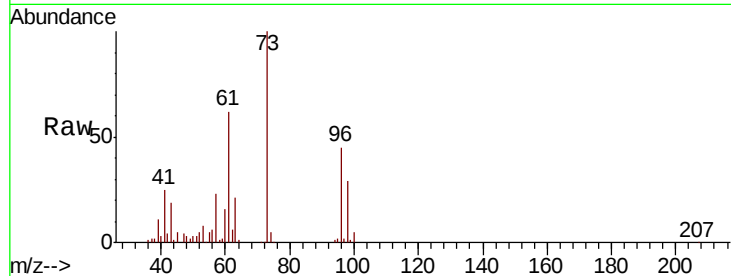
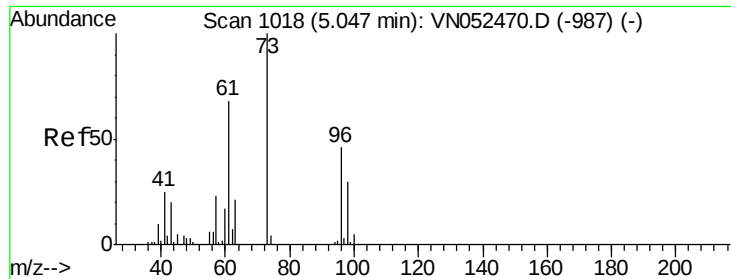
20000

0

4.20 4.30 4.40

Time-->



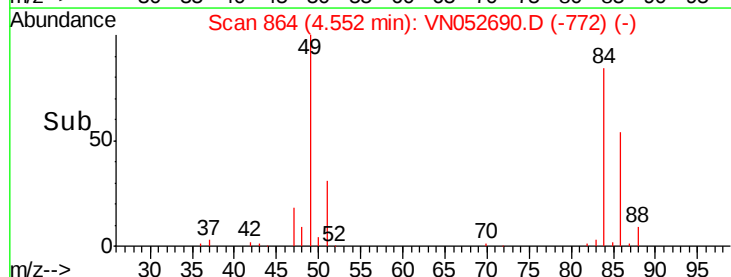
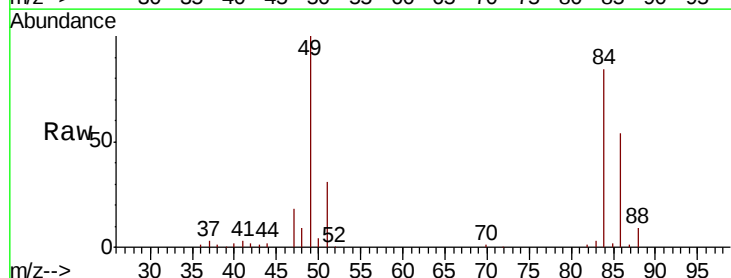
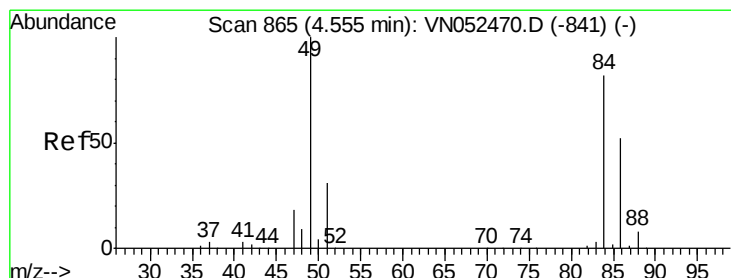
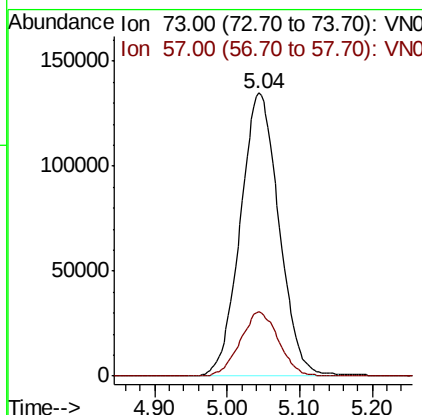


#19

Methyl tert-butyl Ether
 Concen: 19.694 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampled :

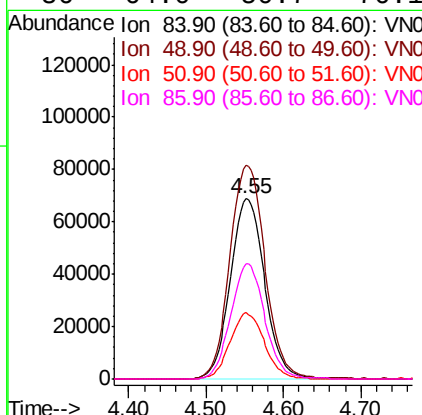
Tot Ion: 73 Resp: 499770
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.2 27.2

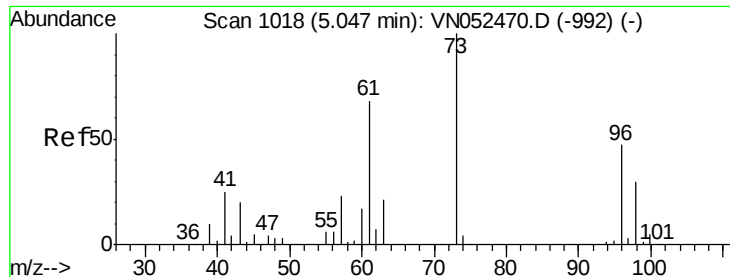


#20

Methylene Chloride
 Concen: 18.593 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion: 84 Resp: 212765
 Ion Ratio Lower Upper
 84 100
 49 118.5 98.0 147.0
 51 36.8 30.1 45.1
 86 64.0 50.7 76.1

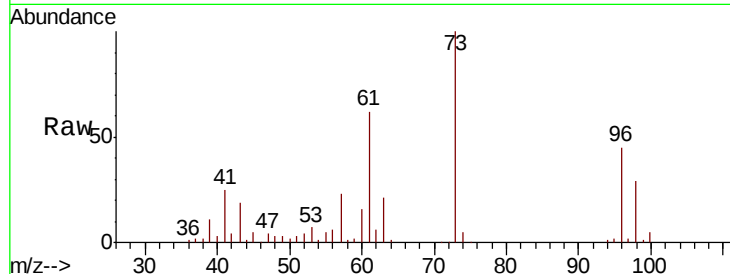




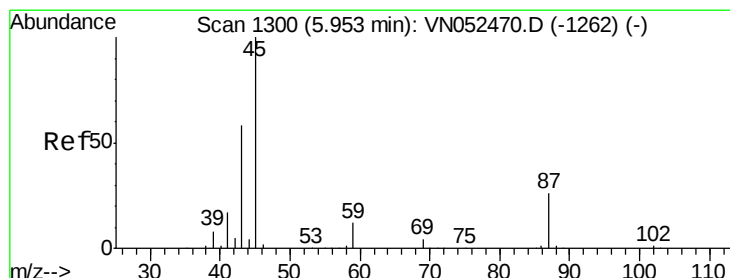
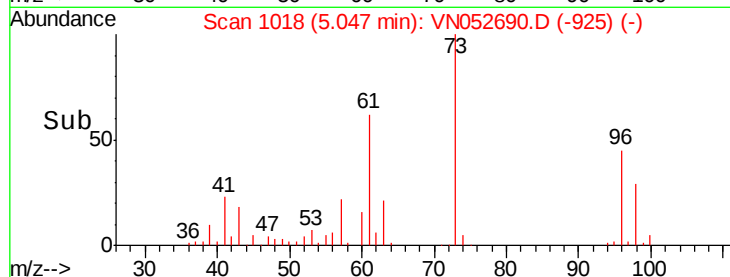
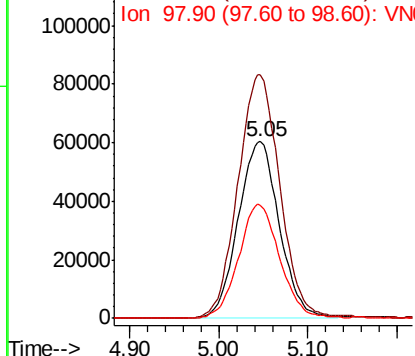
#21
trans-1,2-Dichloroethene
Concen: 18.938 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 192916
Ion Ratio Lower Upper
96 100
61 137.7 117.0 175.4
98 63.9 51.8 77.6

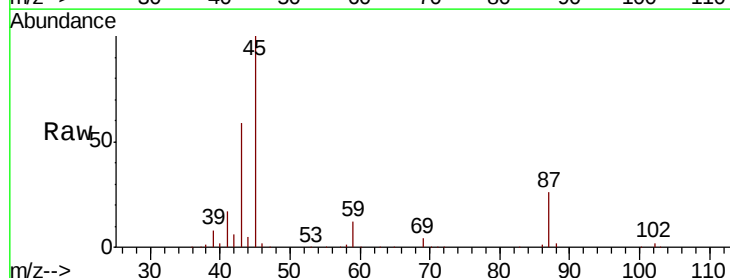


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

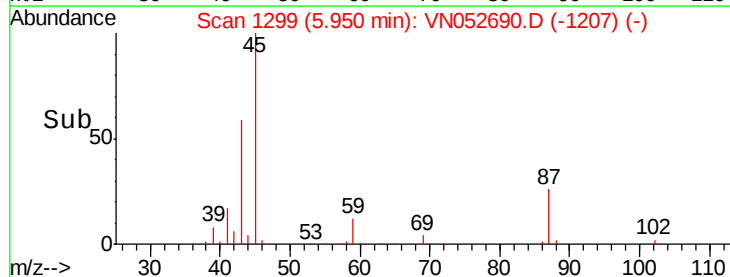
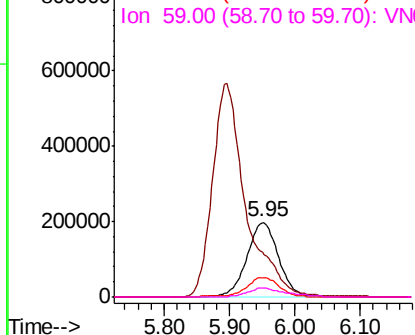


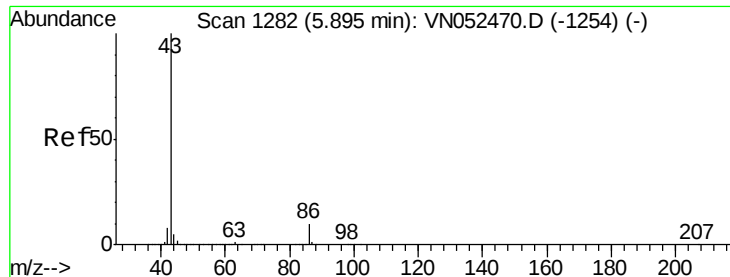
#22
Diisopropyl ether
Concen: 19.401 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion: 45 Resp: 669929
Ion Ratio Lower Upper
45 100
43 58.0 46.1 69.1
87 26.3 21.3 31.9
59 11.8 9.5 14.3



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





#23

Vinyl Acetate

Concen: 93.642 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

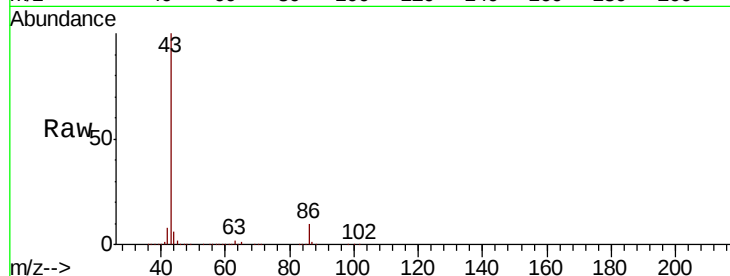
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2013978

Ion Ratio Lower Upper

43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)

5.90

600000

500000

400000

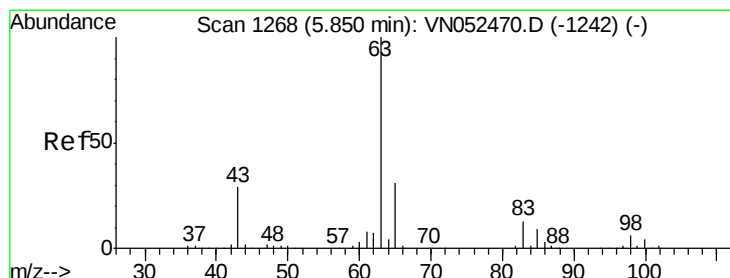
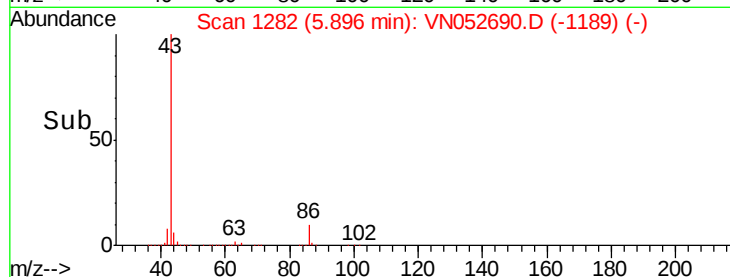
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.547 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

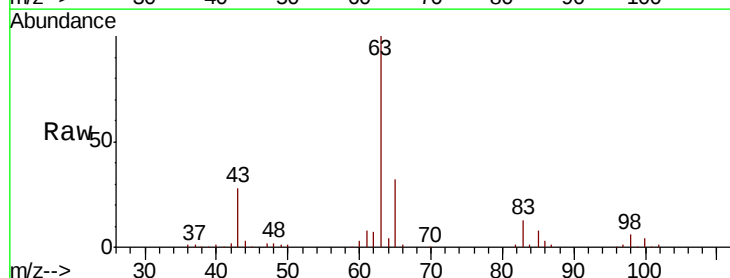
Tgt Ion: 63 Resp: 385386

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)

5.85

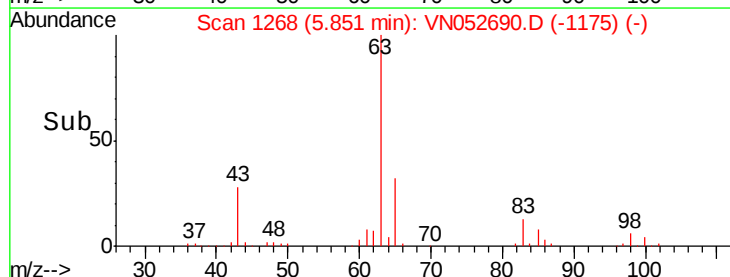
150000

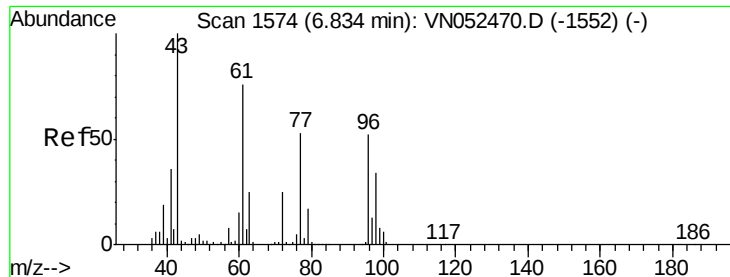
100000

50000

0

Time--> 5.70 5.80 5.90 6.00

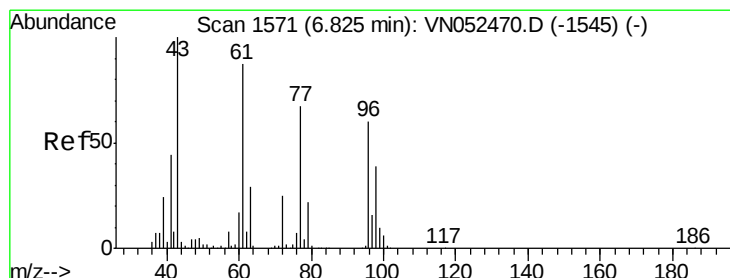
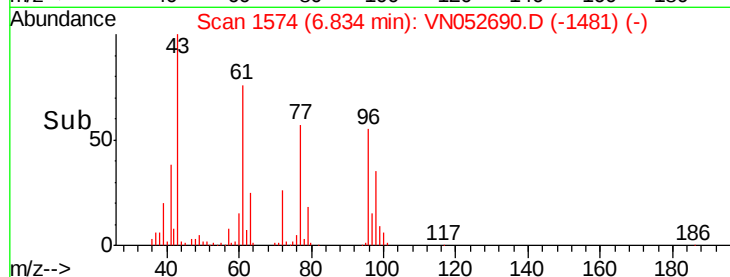
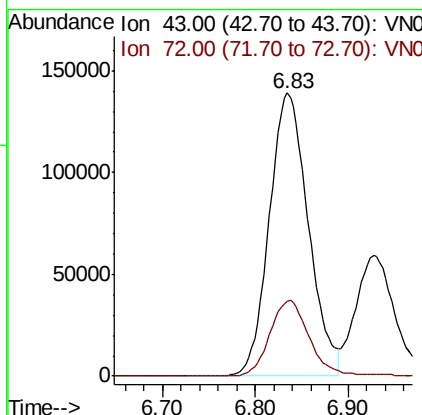
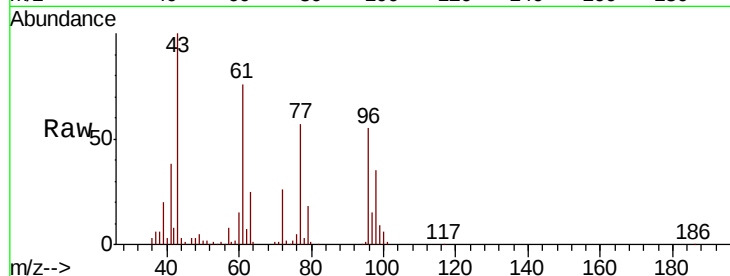




#25
2-Butanone
Concen: 98.439 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

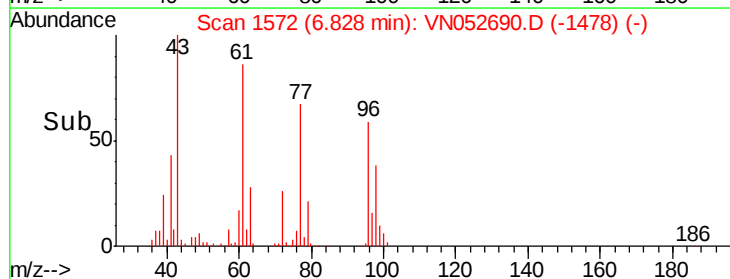
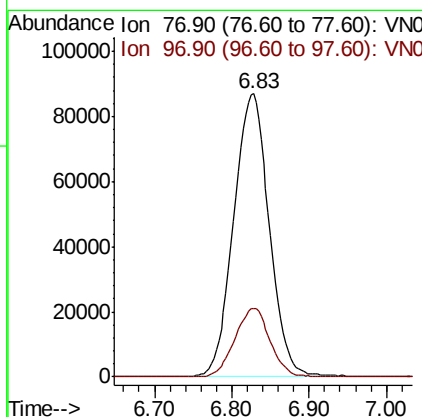
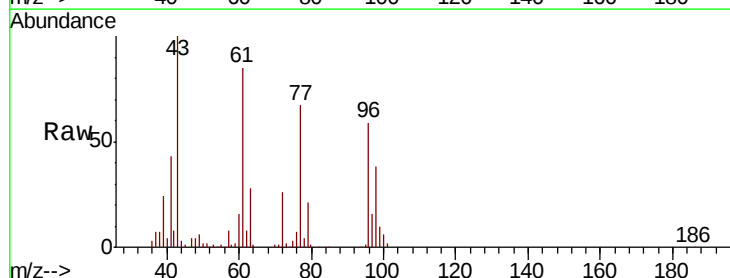
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 408003
Ion Ratio Lower Upper
43 100
72 26.5 20.1 30.1



#26
2,2-Dichloropropane
Concen: 20.373 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion: 77 Resp: 278015
Ion Ratio Lower Upper
77 100
97 24.0 11.8 35.3



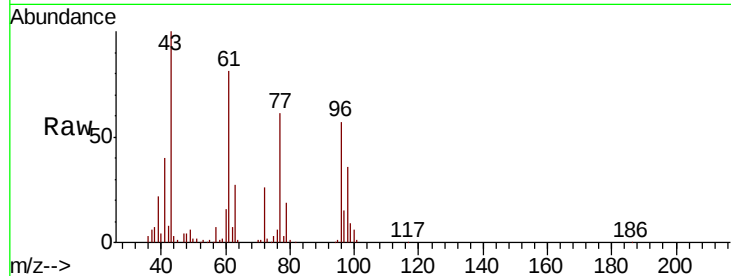


#27

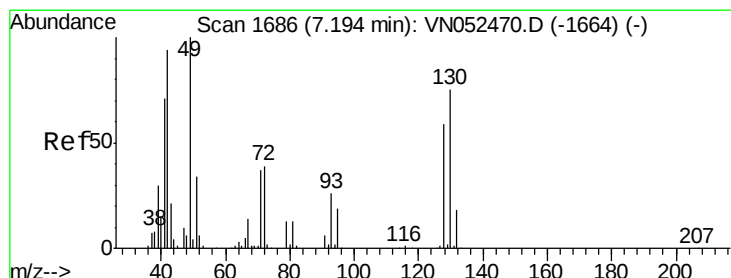
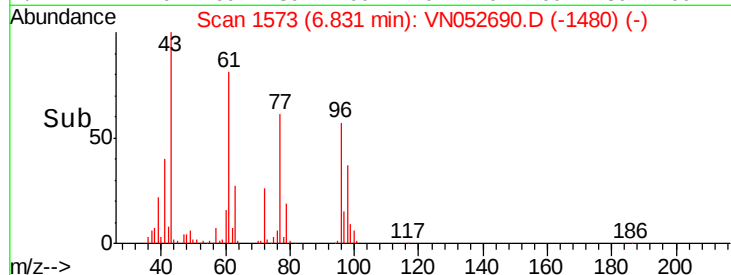
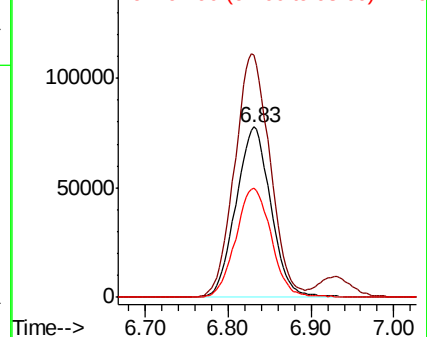
cis-1,2-Dichloroethene
Concen: 19.167 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 227437
Ion Ratio Lower Upper
96 100
61 144.9 0.0 291.0
98 65.3 0.0 130.0



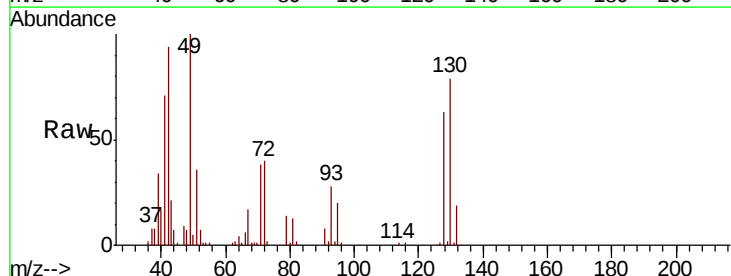
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



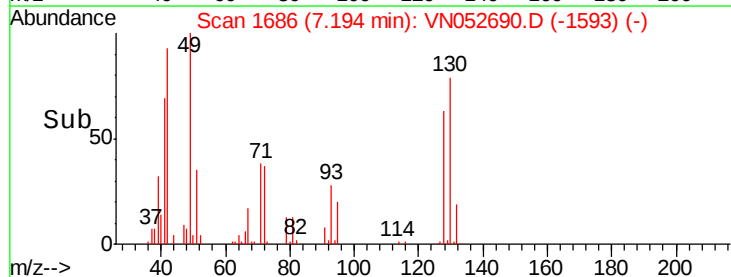
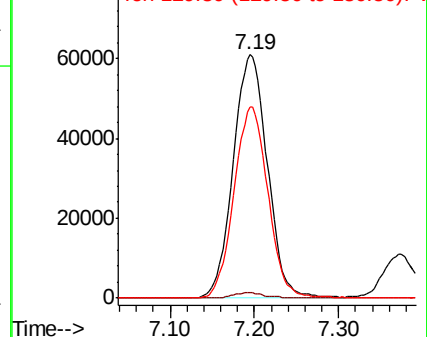
#28

Bromochloromethane
Concen: 19.144 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion: 49 Resp: 172393
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 77.7 60.2 90.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

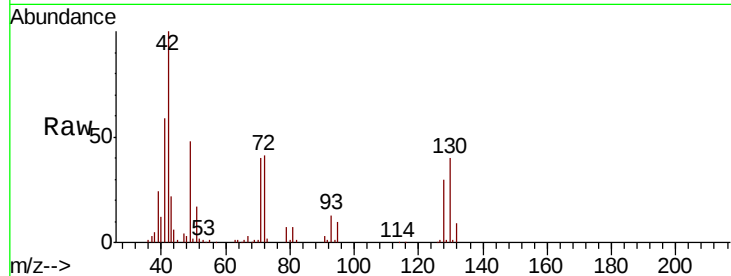




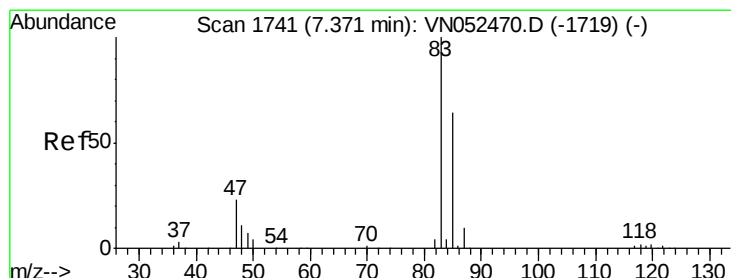
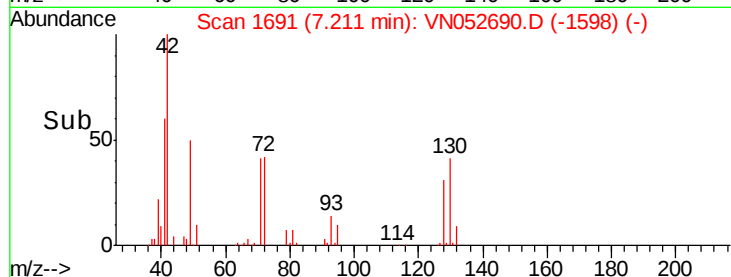
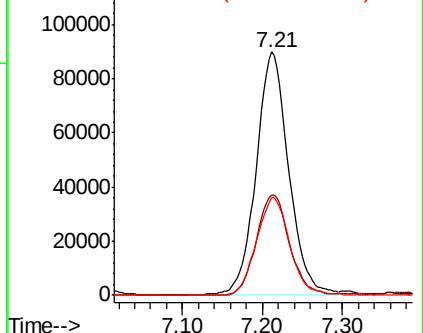
#29
Tetrahydrofuran
Concen: 93.881 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 250975
Ion Ratio Lower Upper
42 100
72 42.7 33.3 49.9
71 41.3 32.0 48.0

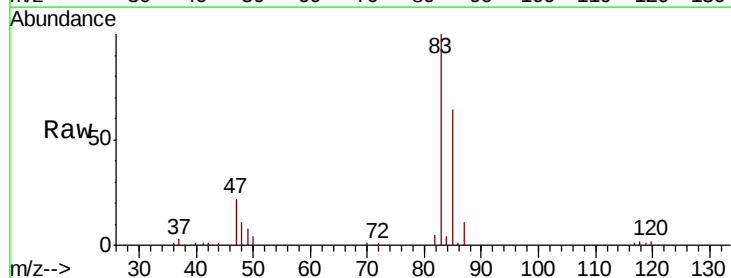


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

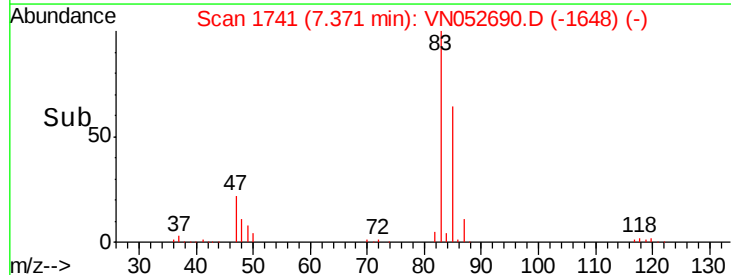
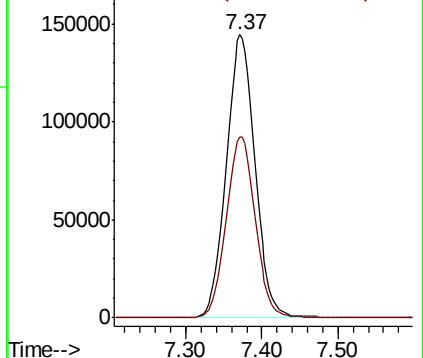


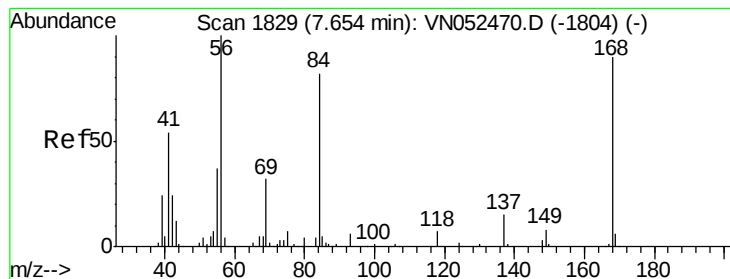
#30
Chloroform
Concen: 19.318 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion: 83 Resp: 379996
Ion Ratio Lower Upper
83 100
85 63.7 51.0 76.4



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





#31

Cyclohexane

Concen: 18.242 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

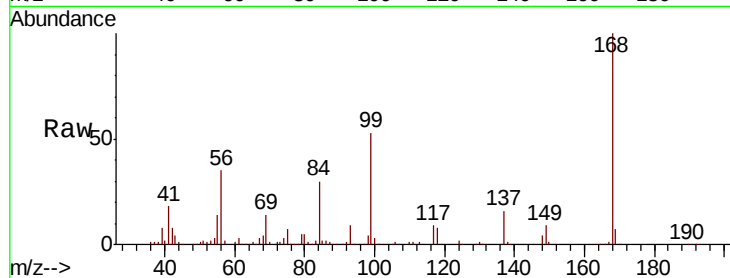
Tot Ion: 56 Resp: 352540

Ion Ratio Lower Upper

56 100

69 39.1 25.8 38.6#

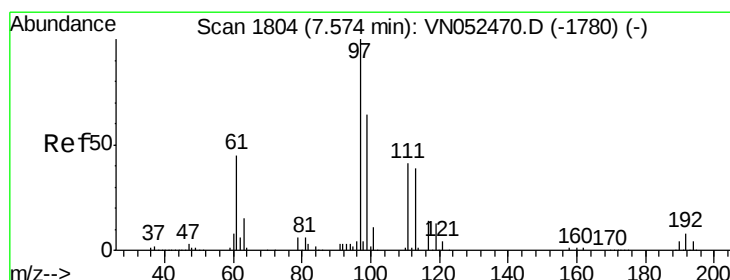
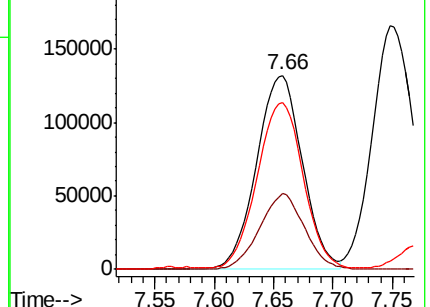
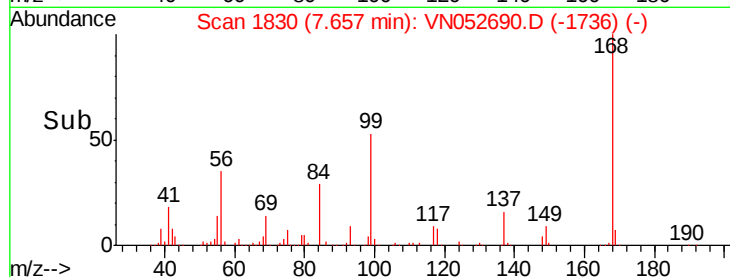
84 84.7 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052470.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN052470.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN052470.D (-1804) (-)



#32

1,1,1-Trichloroethane

Concen: 19.897 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

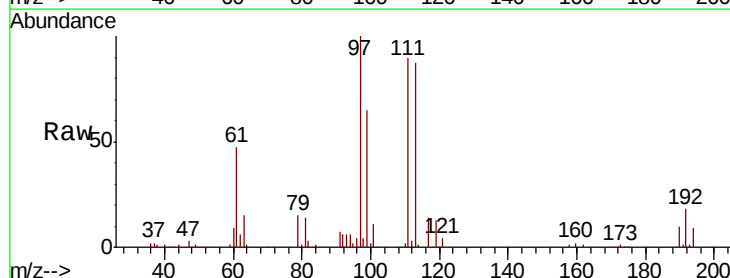
Tgt Ion: 97 Resp: 310092

Ion Ratio Lower Upper

97 100

99 63.8 51.7 77.5

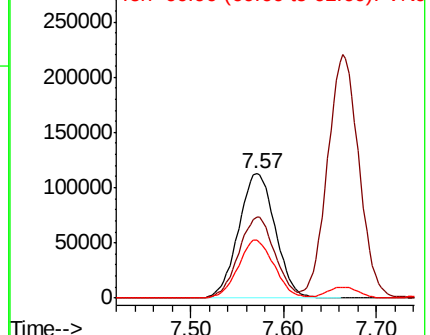
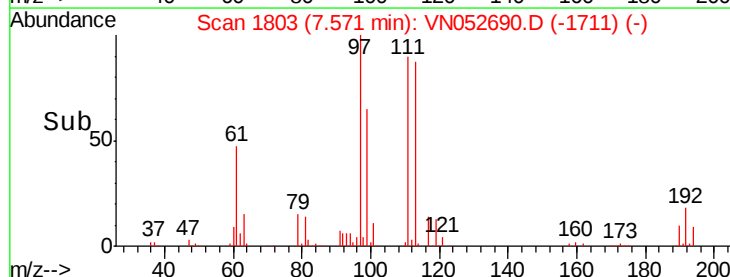
61 45.7 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN052470.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN052470.D (-1780) (-)

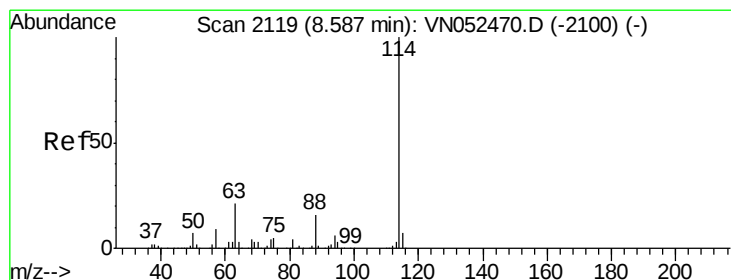
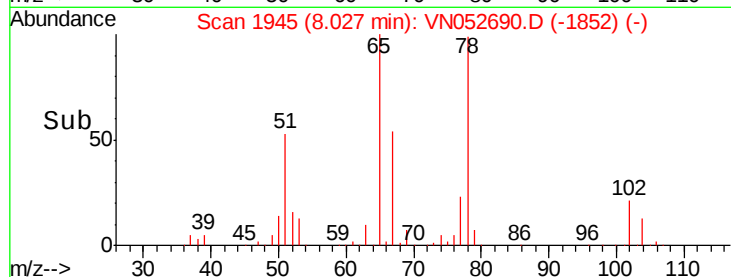
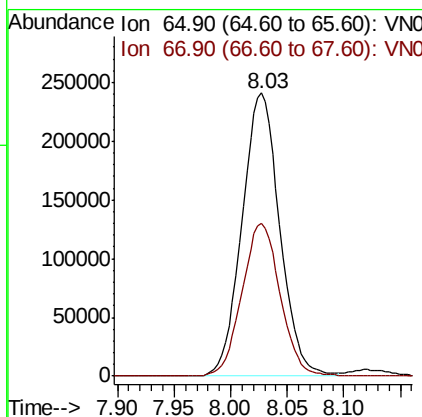
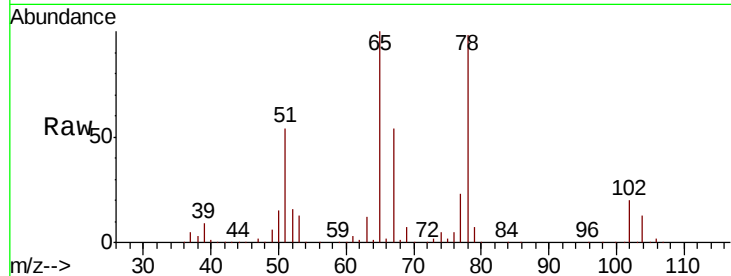




#33
 1,2-Dichloroethane-d4
 Concen: 19.897 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

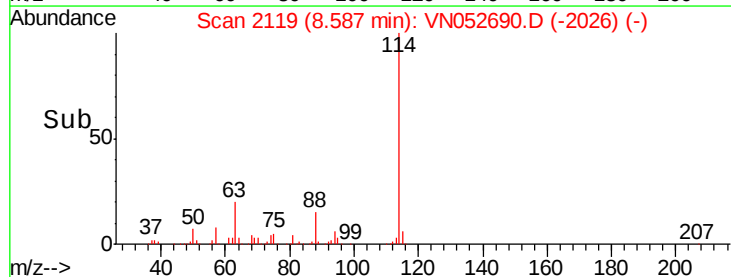
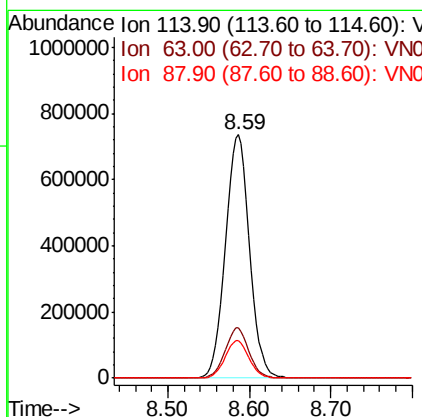
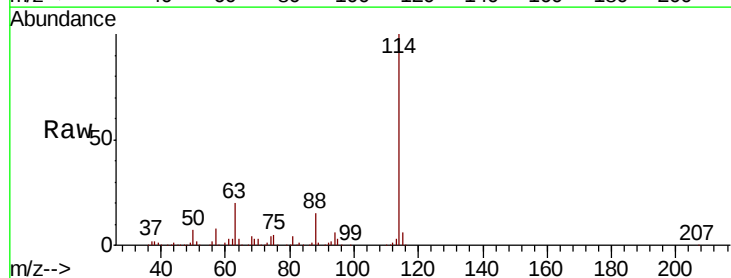
Instrument :
 MSVOA_N
 ClientSampled :

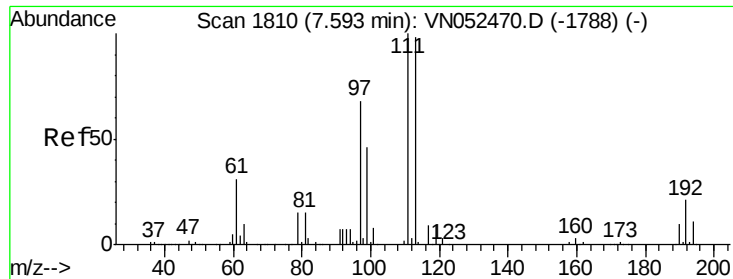
Tot Ion: 65 Resp: 559381
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion: 114 Resp: 1532031
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 15.2 0.0 31.6

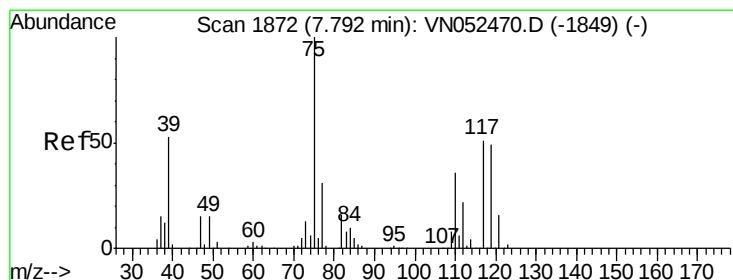
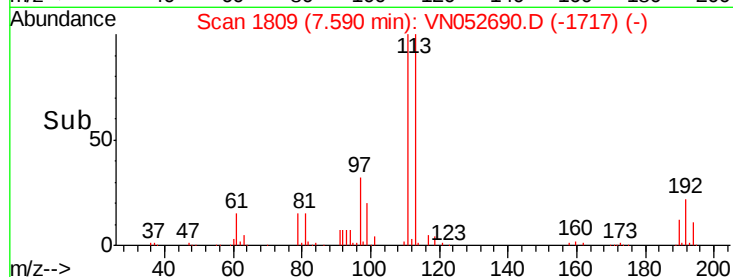
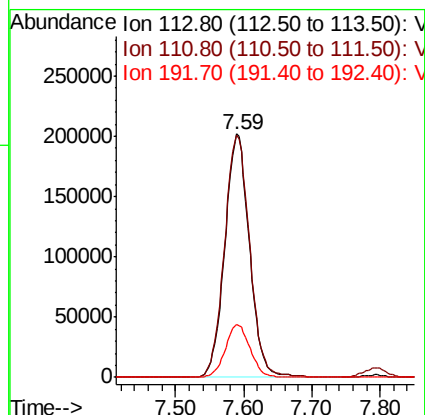
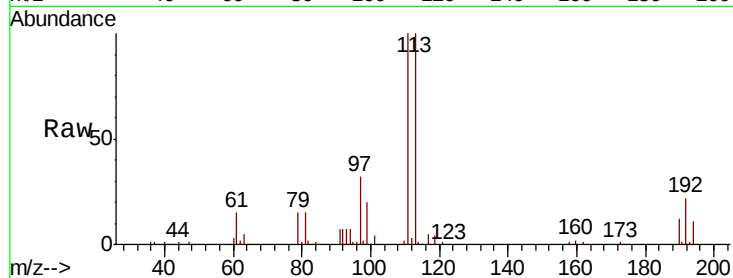




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

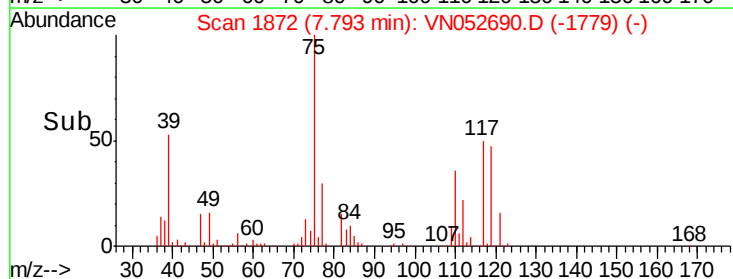
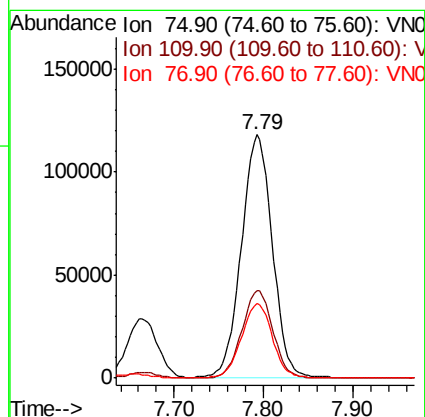
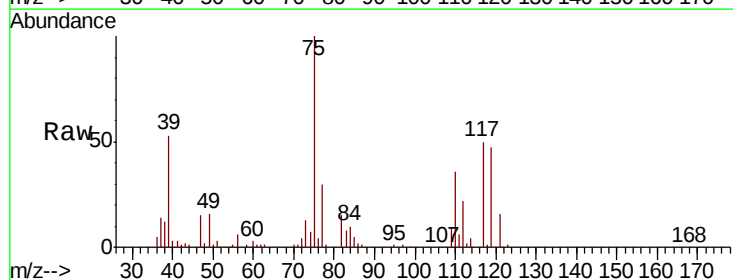
Instrument :
 MSVOA_N
 ClientSampled :

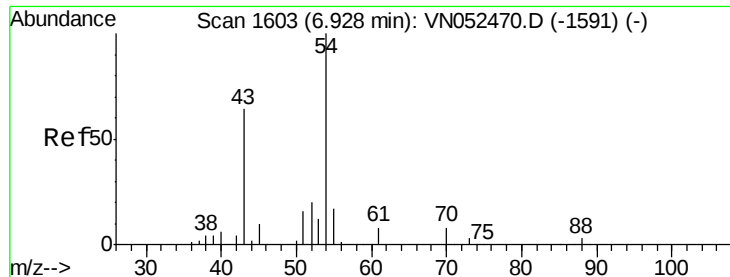
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.0	123.0
192	21.9	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 19.609 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.5	52.6
77	30.8	24.5	36.7

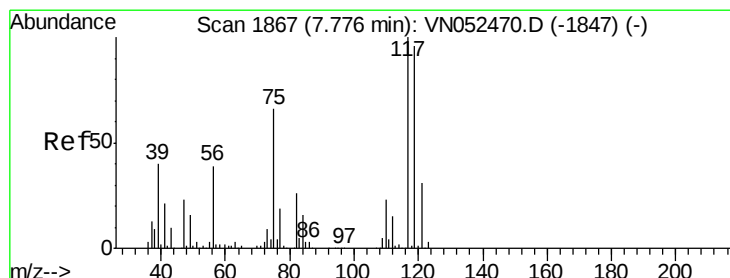
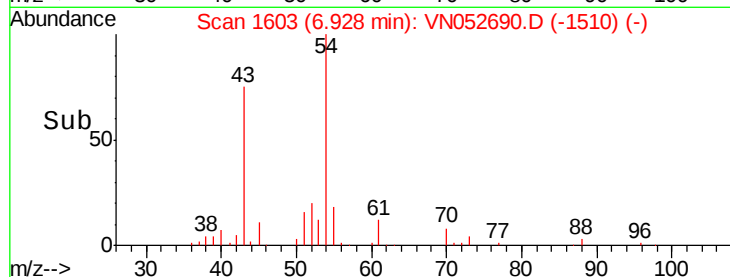
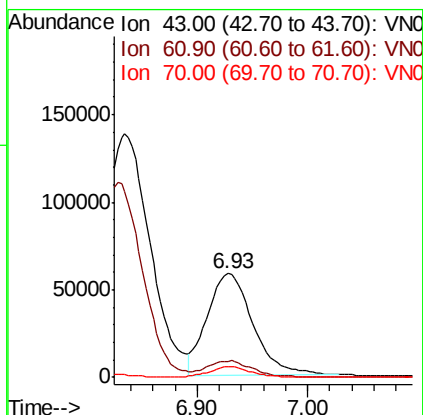
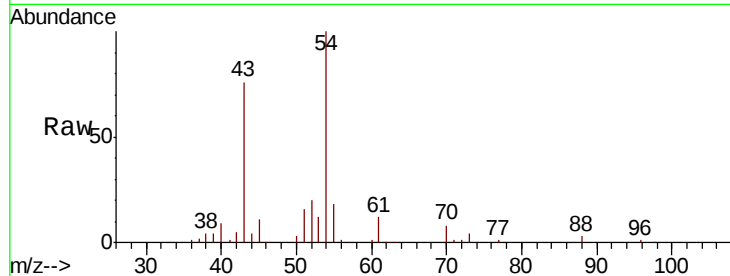




#37
Ethyl Acetate
Concen: 19.108 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

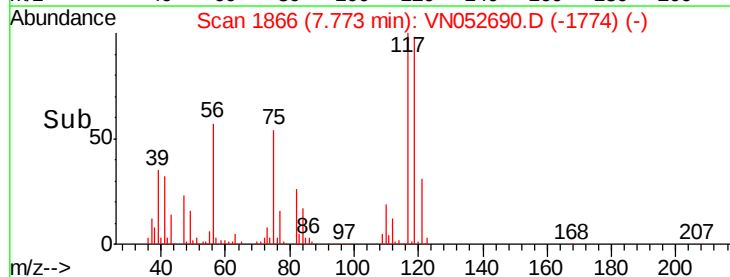
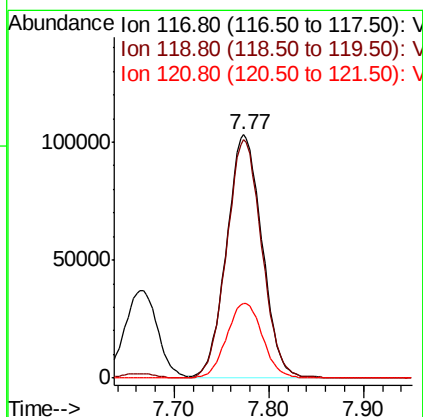
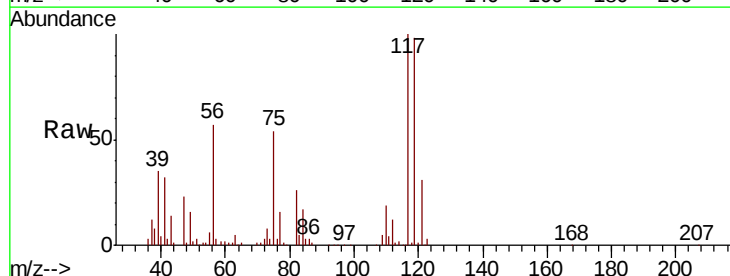
Instrument :
MSVOA_N
ClientSampled :

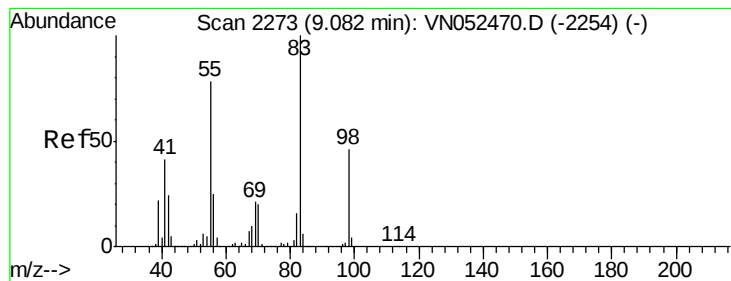
Tot Ion: 43 Resp: 168714
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.8
70 9.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.554 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion: 117 Resp: 269189
Ion Ratio Lower Upper
117 100
119 97.8 76.8 115.2
121 30.6 24.9 37.3

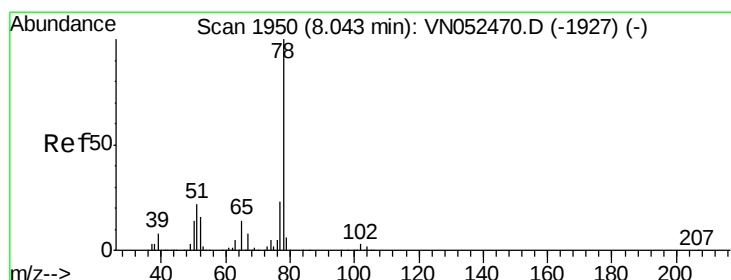
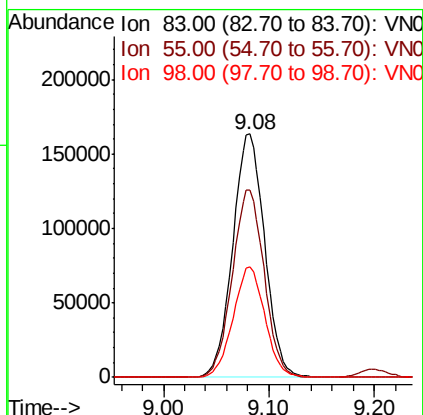
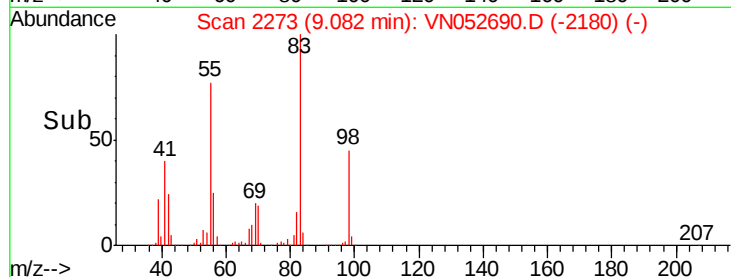
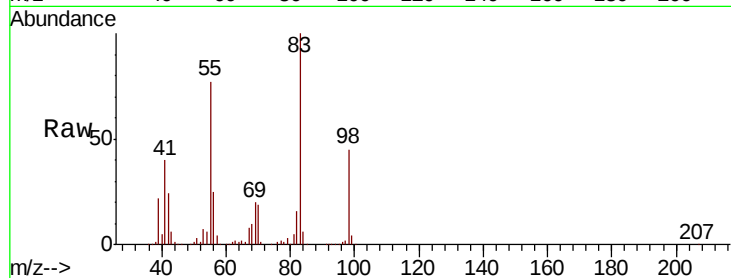




#39
Methvlcvclohexane
Concen: 19.535 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

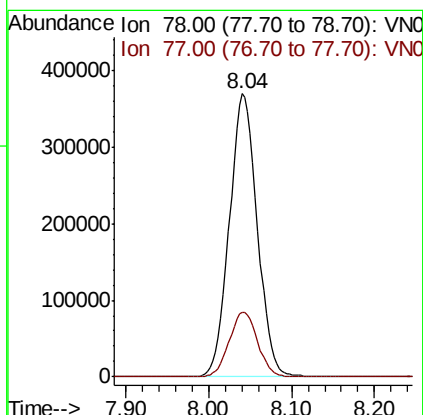
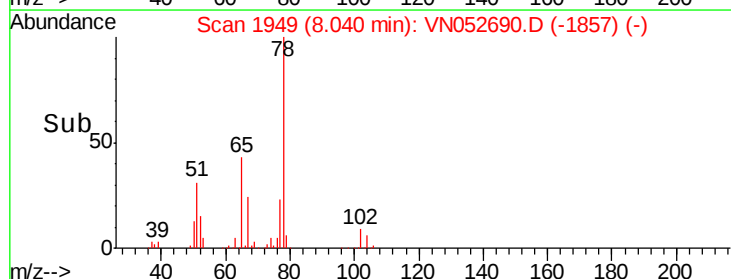
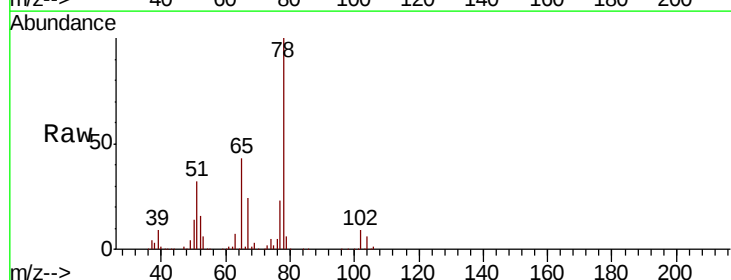
Instrument :
MSVOA_N
ClientSampled :

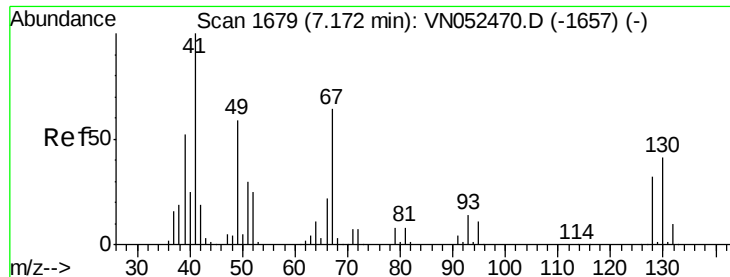
Tot Ion: 83 Resp: 343509
Ion Ratio Lower Upper
83 100
55 76.7 62.2 93.2
98 45.4 36.4 54.6



#40
Benzene
Concen: 20.092 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion: 78 Resp: 866280
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

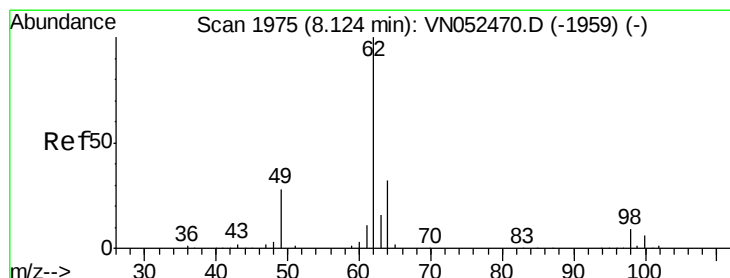
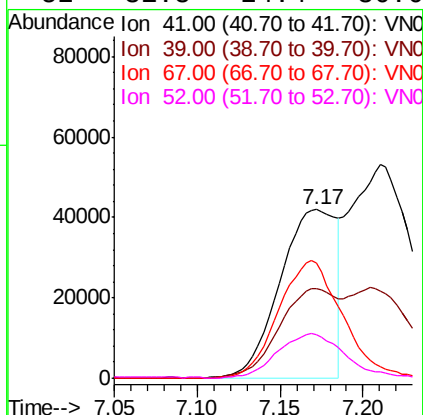
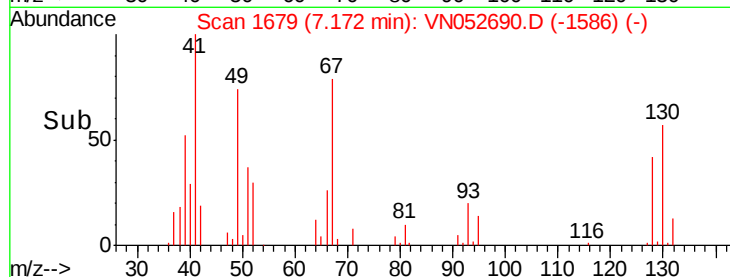
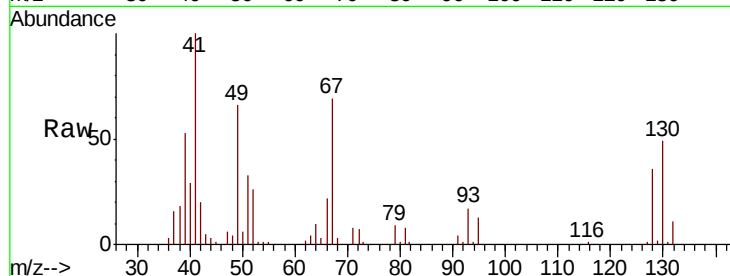




#41
Methacrylonitrile
Concen: 20.630 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

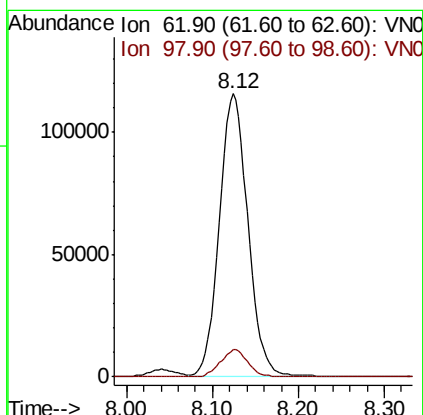
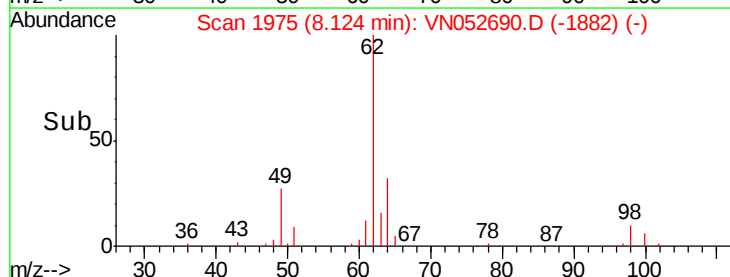
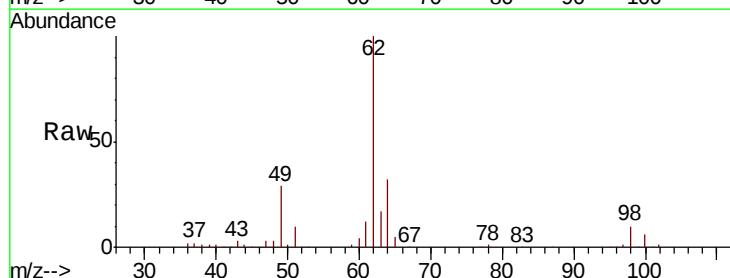
Instrument :
MSVOA_N
ClientSampled :

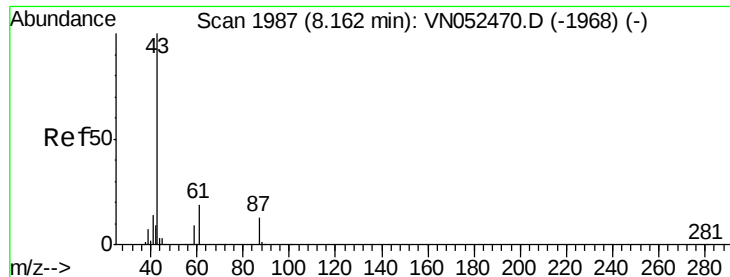
Tot Ion:	41	Resp:	99585
Ion	Ratio	Lower	Upper
41	100		
39	53.0	50.9	76.3
67	80.7	63.6	95.4
52	31.8	24.4	36.6



#42
1,2-Dichloroethane
Concen: 20.490 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion:	62	Resp:	267489
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 20.093 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

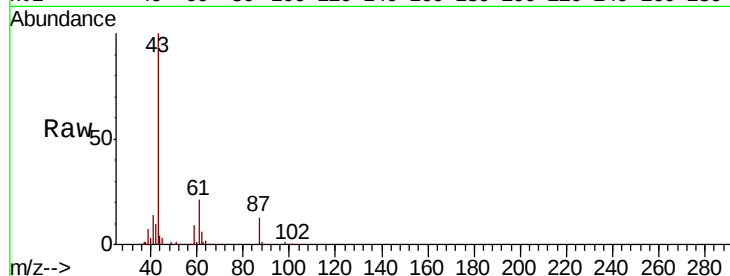
Tot Ion: 43 Resp: 300235

Ion Ratio Lower Upper

43 100

61 20.0 24.1 36.1#

87 13.2 10.6 15.8

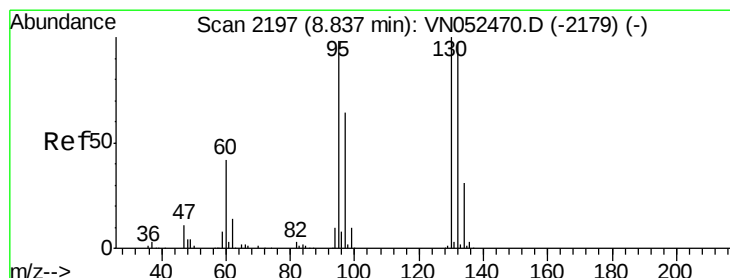
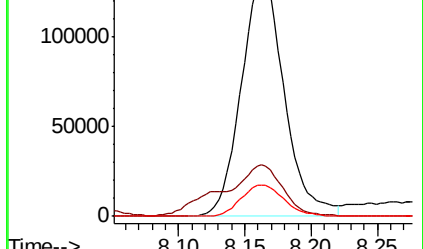
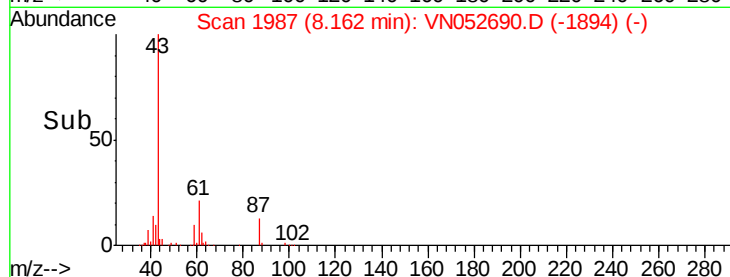


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 20.944 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052690.D

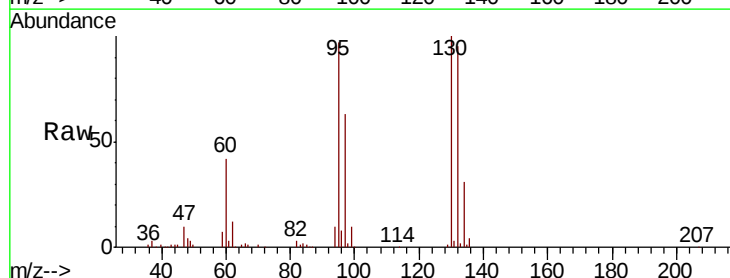
Acq: 6 Dec 2018 10:37

Tgt Ion: 130 Resp: 231303

Ion Ratio Lower Upper

130 100

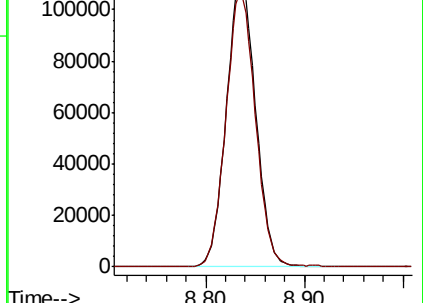
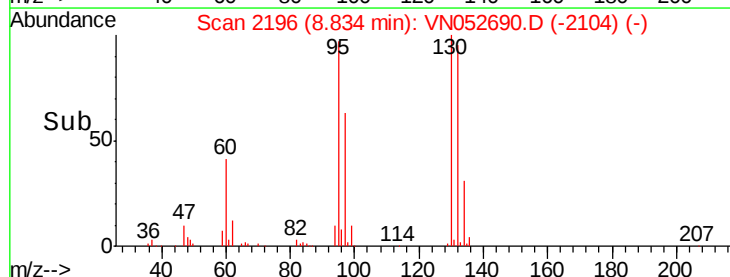
95 96.8 0.0 195.6

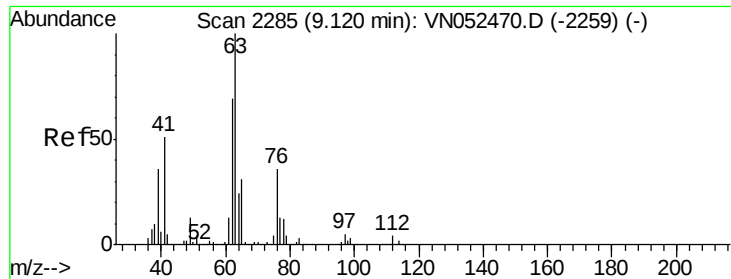


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

Time-->

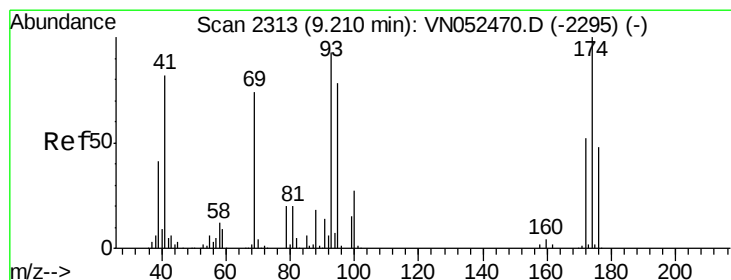
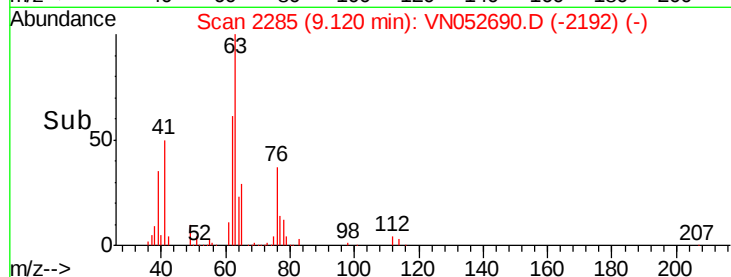
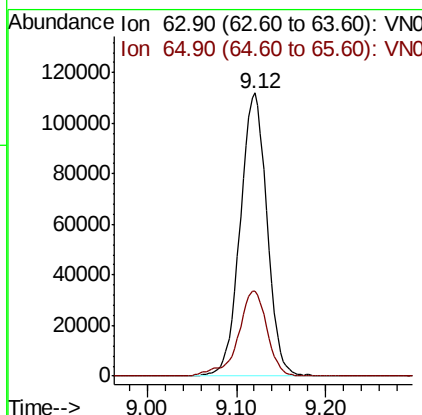
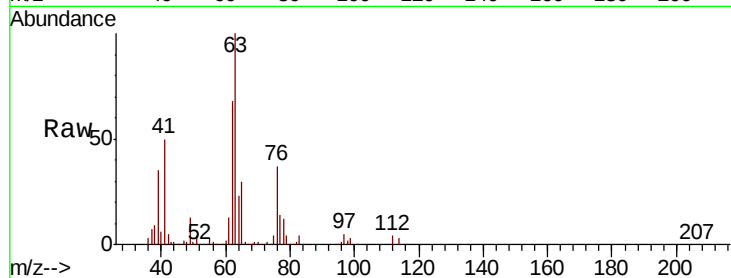




#45
 1,2-Dichloropropane
 Concen: 20.385 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

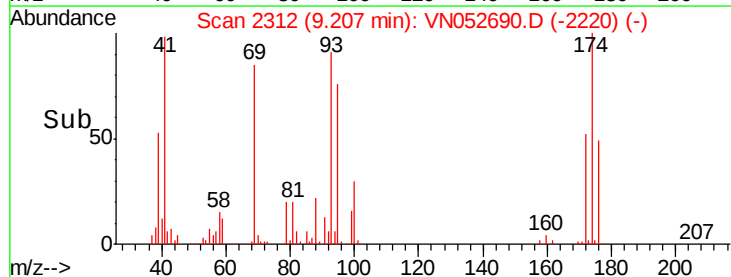
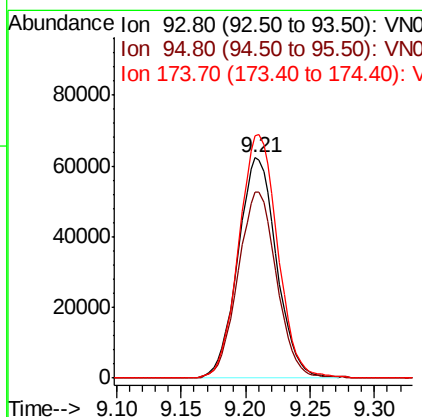
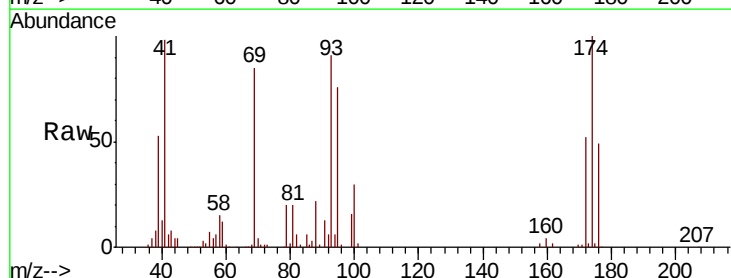
Instrument :
 MSVOA_N
 ClientSampleId :

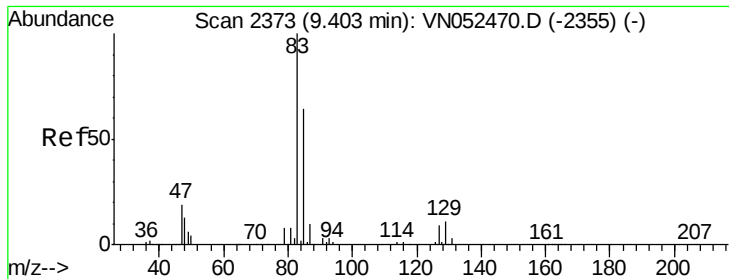
Tot Ion: 63 Resp: 233675
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6



#46
 Dibromomethane
 Concen: 20.563 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion: 93 Resp: 130483
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.1 100.7
 174 110.6 85.8 128.8





#47

Bromodichloromethane

Concen: 20.722 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

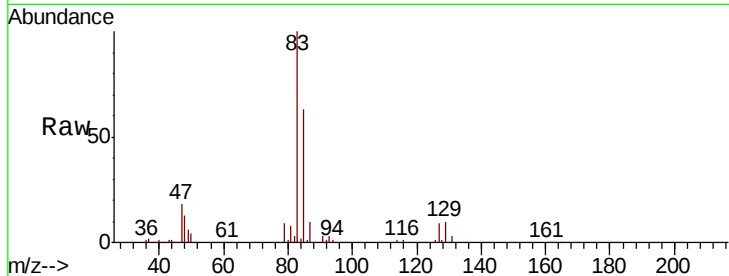
Tot Ion: 83 Resp: 285896

Ion Ratio Lower Upper

83 100

85 62.6 51.3 76.9

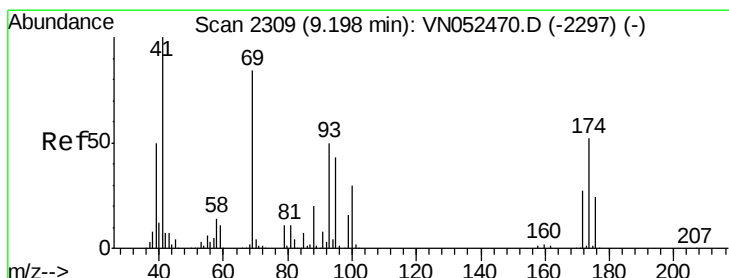
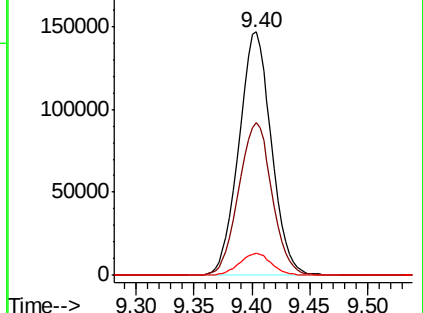
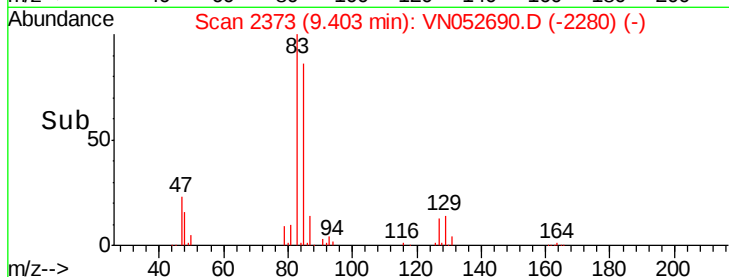
127 9.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN052690.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052690.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052690.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.793 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

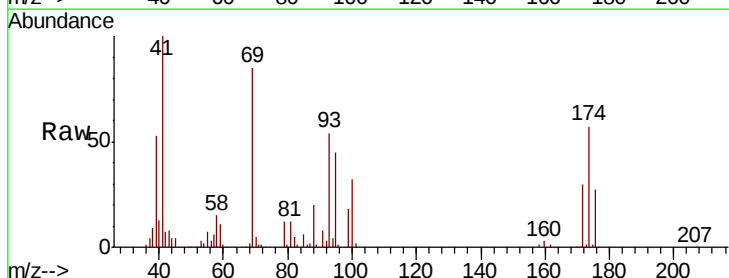
Tgt Ion: 41 Resp: 154207

Ion Ratio Lower Upper

41 100

69 88.3 70.0 105.0

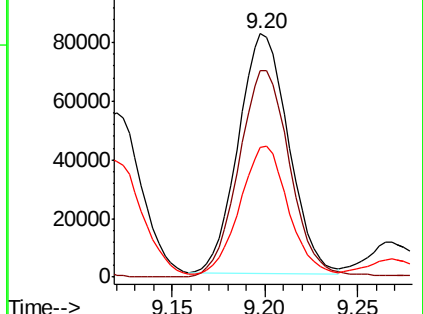
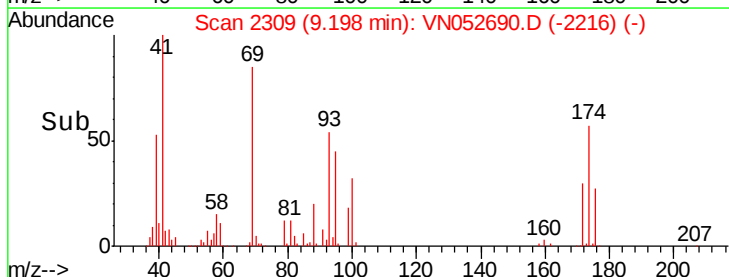
39 51.0 42.6 64.0

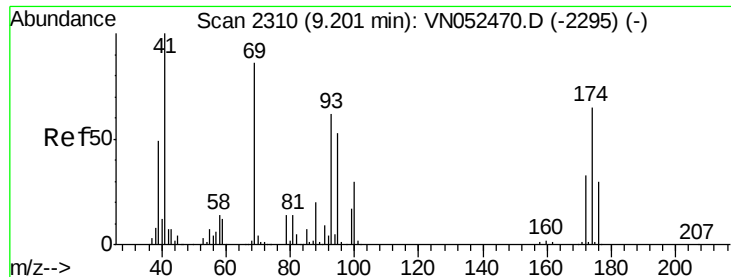


Abundance Ion 41.00 (40.70 to 41.70): VN052690.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052690.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052690.D (-2216) (-)





#49

1,4-Dioxane

Concen: 447.596 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampled :

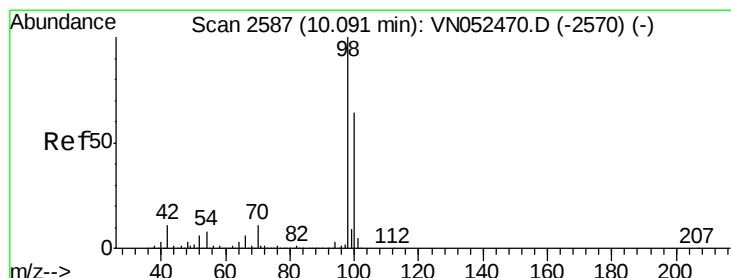
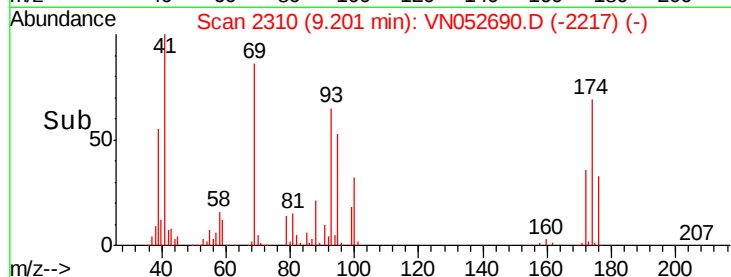
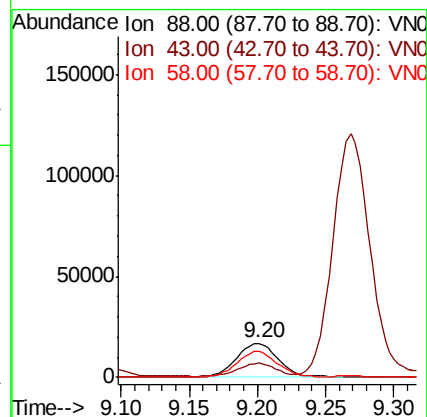
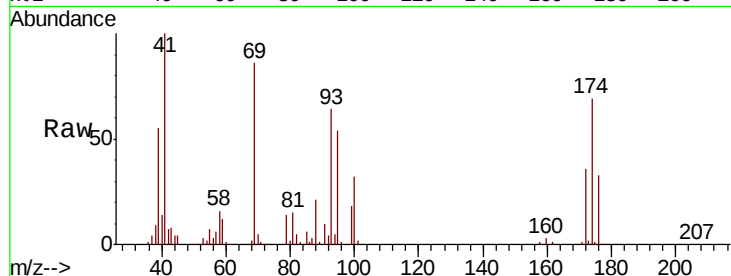
Tot Ion: 88 Resp: 36192

Ion Ratio Lower Upper

88 100

43 34.8 26.4 39.6

58 73.5 55.4 83.0



#50

Toluene-d8

Concen: 447.596 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052690.D

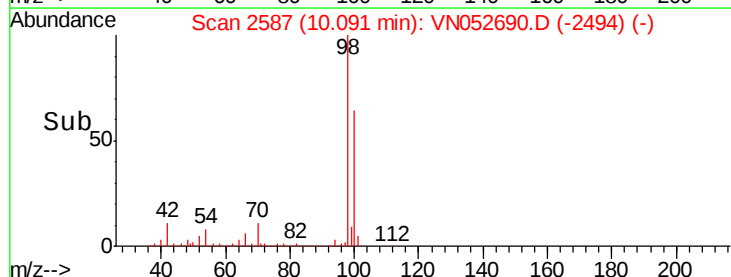
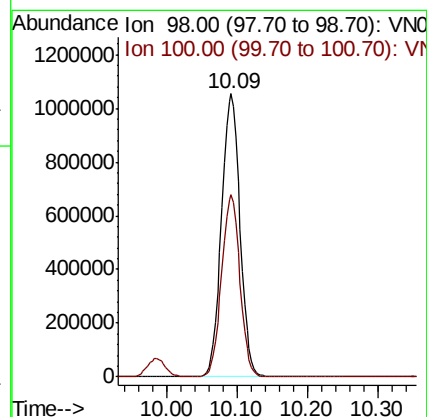
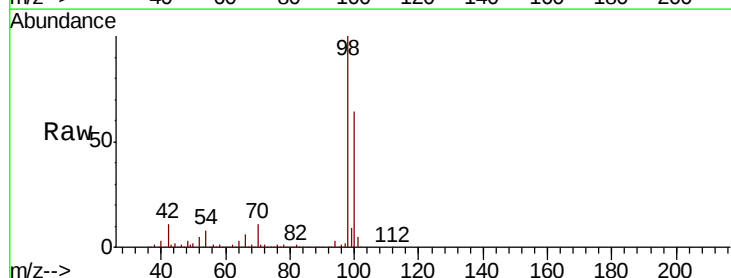
Acq: 6 Dec 2018 10:37

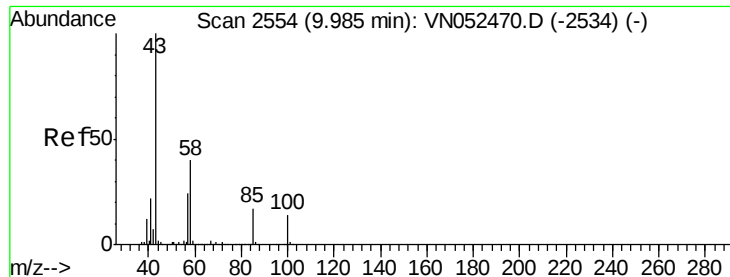
Tgt Ion: 98 Resp: 1921921

Ion Ratio Lower Upper

98 100

100 63.6 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 103.145 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

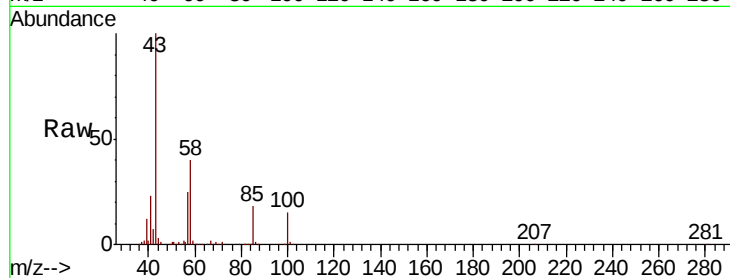
ClientSampleId :

Tot Ion: 43 Resp: 864713

Ion Ratio Lower Upper

43 100

58 39.7 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

9.99

400000

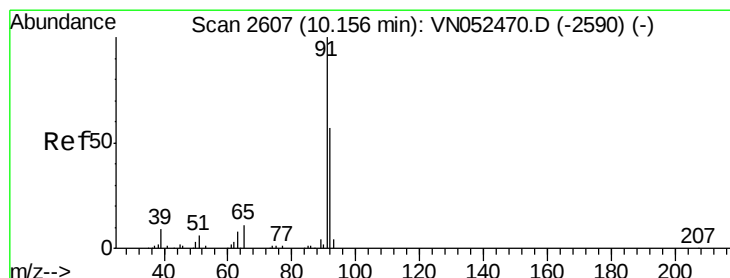
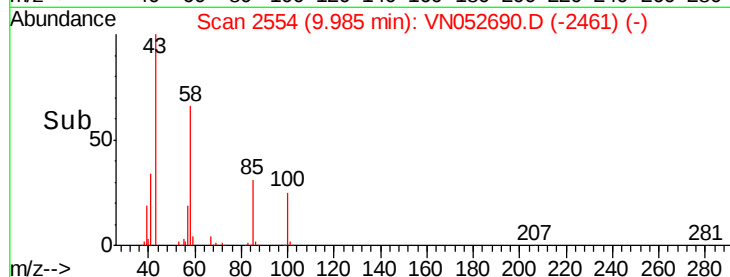
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.698 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052690.D

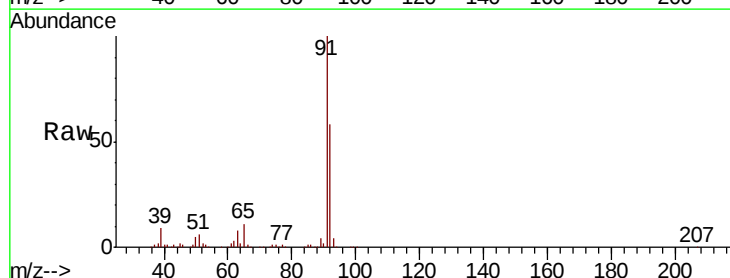
Acq: 6 Dec 2018 10:37

Tgt Ion: 92 Resp: 530216

Ion Ratio Lower Upper

92 100

91 173.6 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052470.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-2590) (-)

10.16

600000

500000

400000

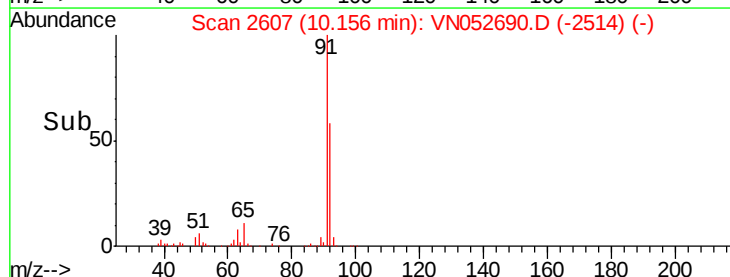
300000

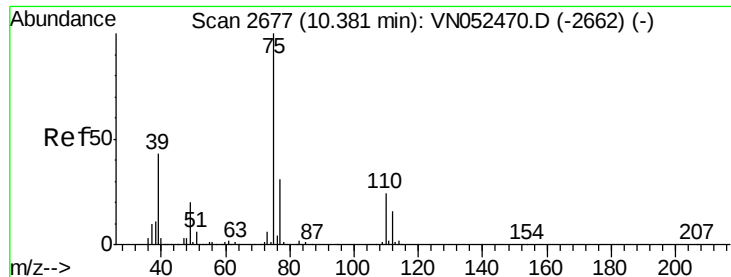
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.641 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

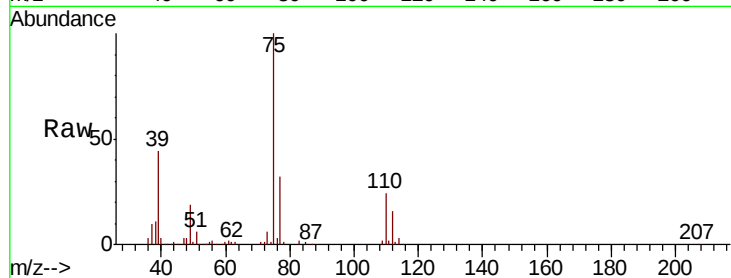
ClientSampleId :

Tot Ion: 75 Resp: 273960

Ion Ratio Lower Upper

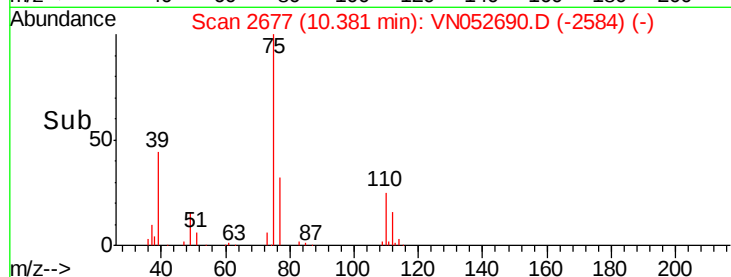
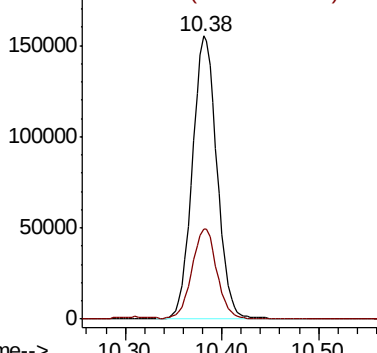
75 100

77 31.9 25.0 37.4

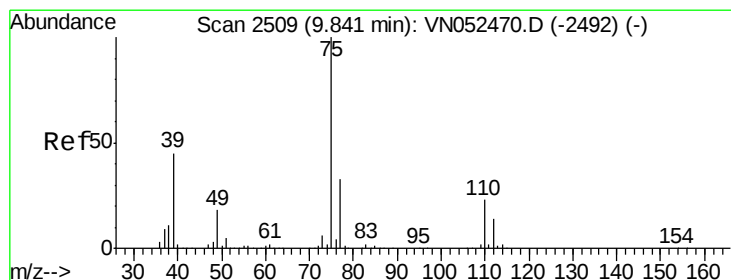


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.842 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

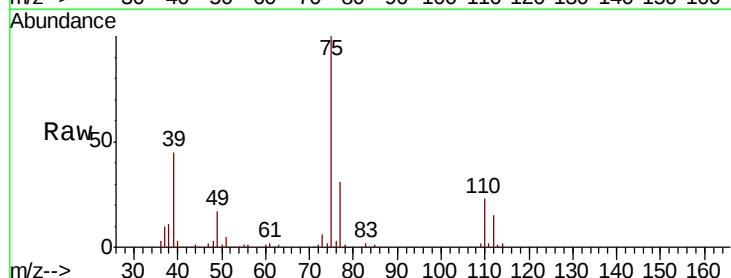
Tgt Ion: 75 Resp: 331508

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2

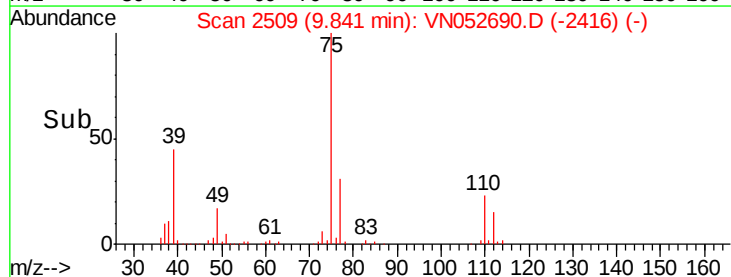
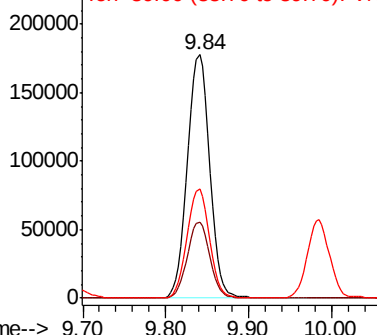
39 44.6 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



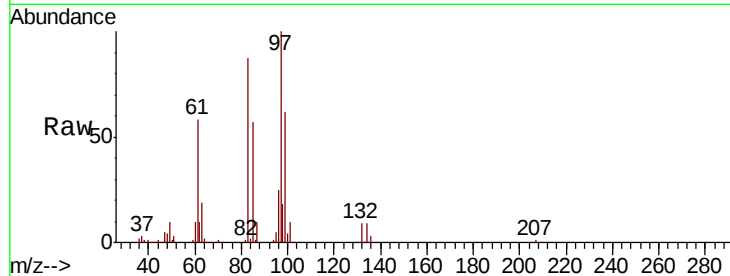
Time-->



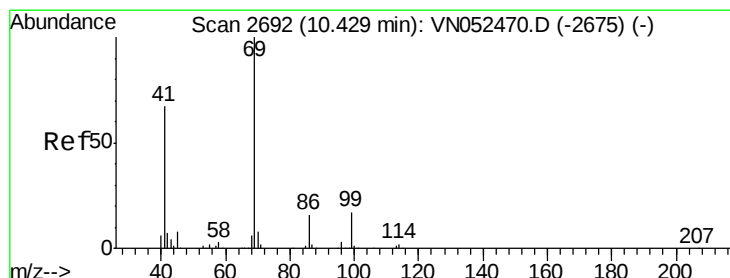
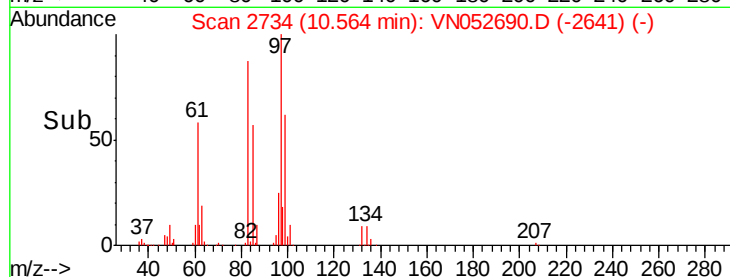
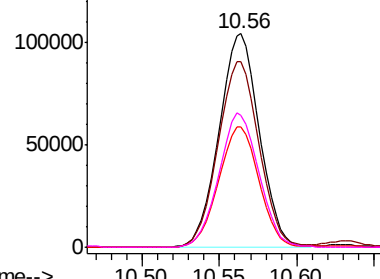
#55
 1,1,2-Trichloroethane
 Concen: 20.888 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	188221
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.7	106.1
85	56.6	46.1	69.1
99	62.0	50.8	76.2

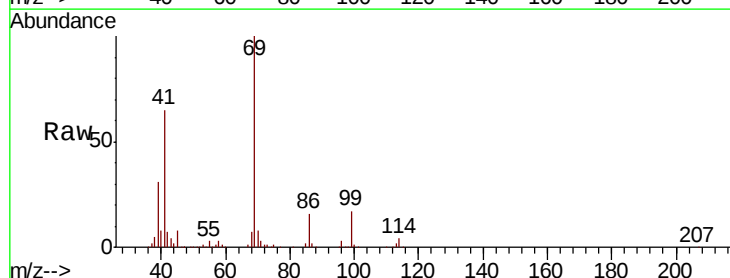


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

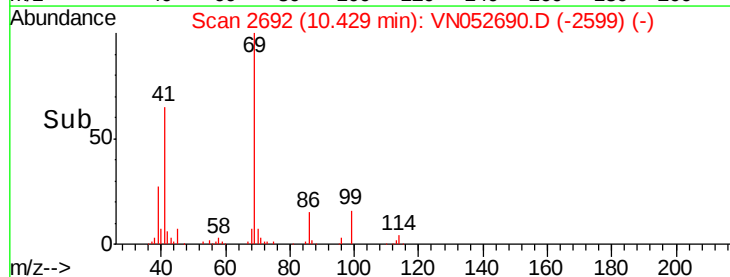
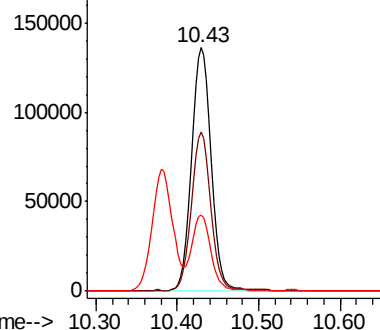


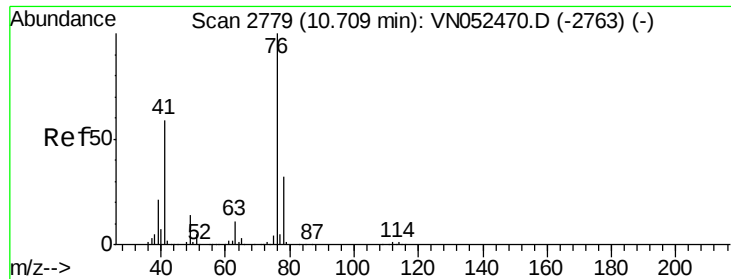
#56
 Ethyl methacrylate
 Concen: 20.415 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion:	69	Resp:	234371
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.6	79.0
39	30.8	25.9	38.9



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





#57

1,3-Dichloropropane

Concen: 20.378 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

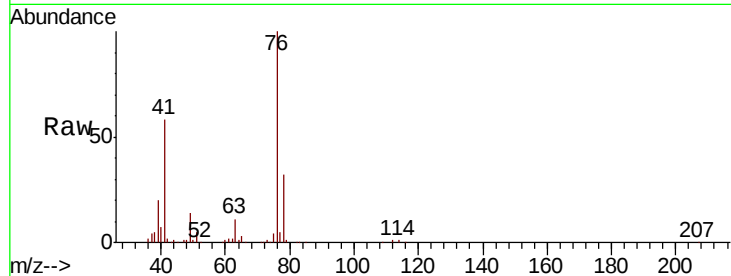
ClientSampleId :

Tot Ion: 76 Resp: 324225

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-2763) (-)

10.71

200000

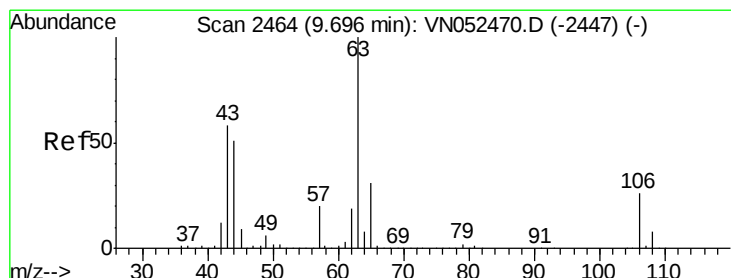
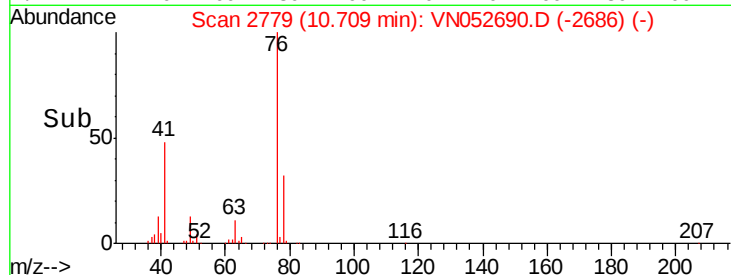
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.647 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052690.D

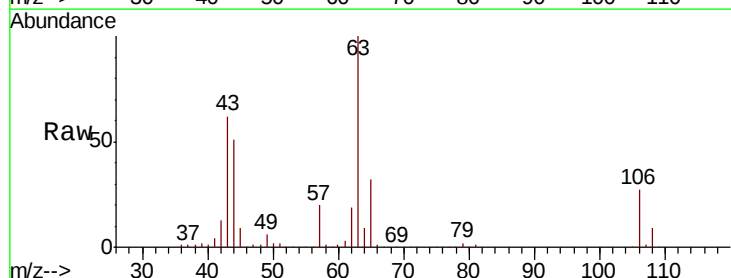
Acq: 6 Dec 2018 10:37

Tgt Ion: 63 Resp: 697311

Ion Ratio Lower Upper

63 100

106 26.7 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN052470.D (-2447) (-)

9.69

400000

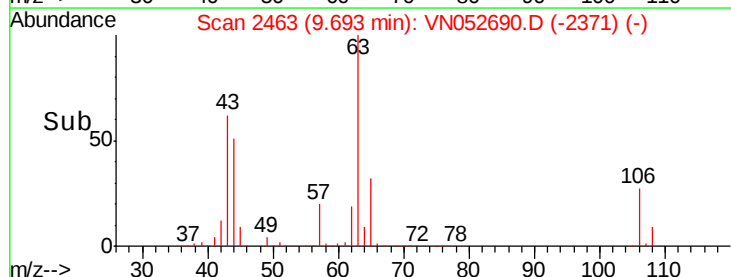
300000

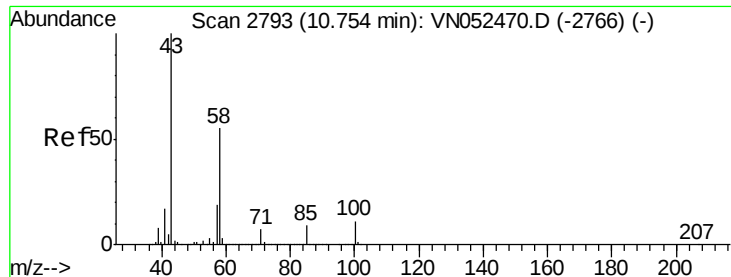
200000

100000

0

Time-->

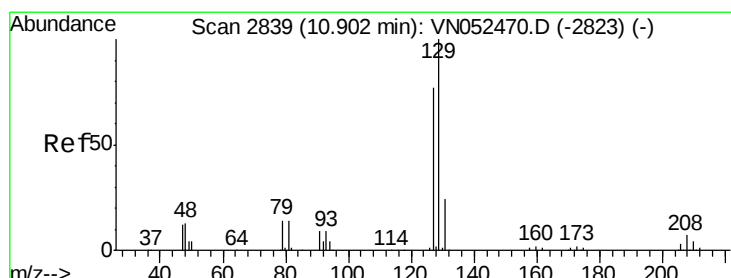
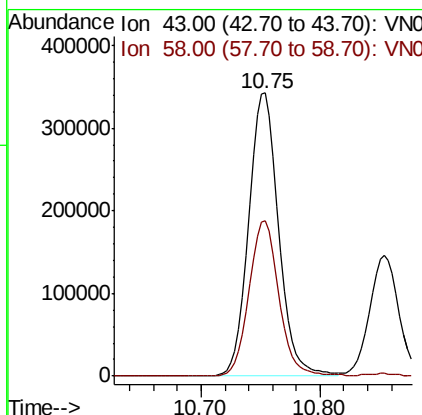
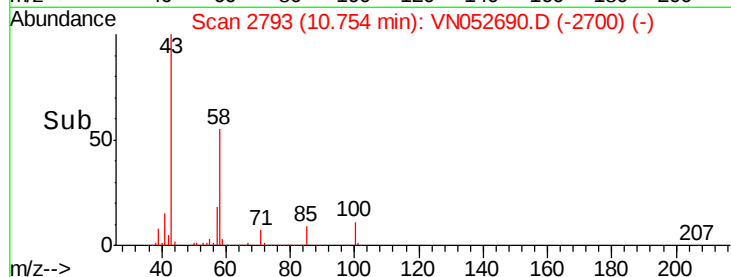
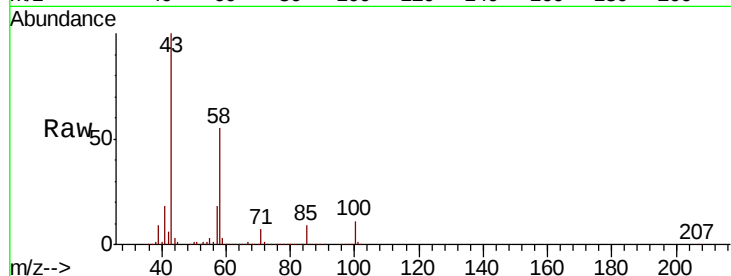




#59
2-Hexanone
Concen: 105.933 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

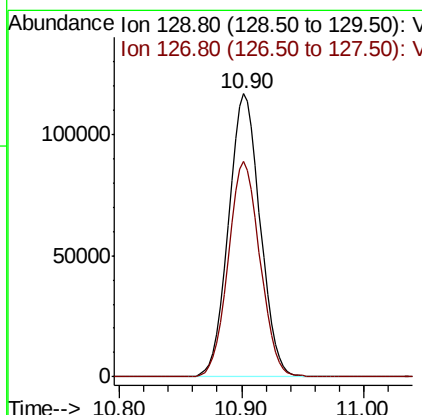
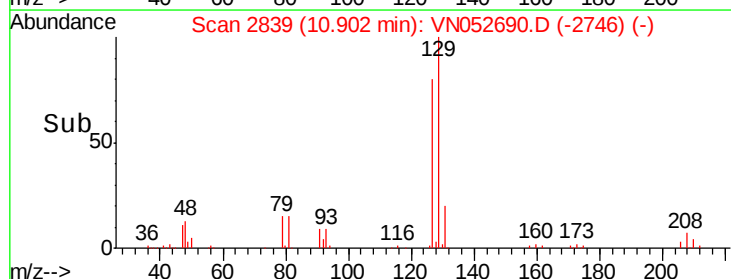
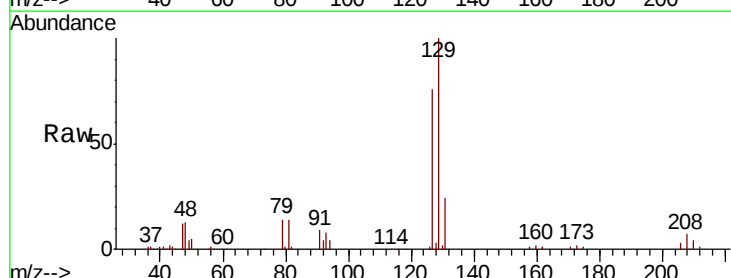
Instrument :
MSVOA_N
ClientSampled :

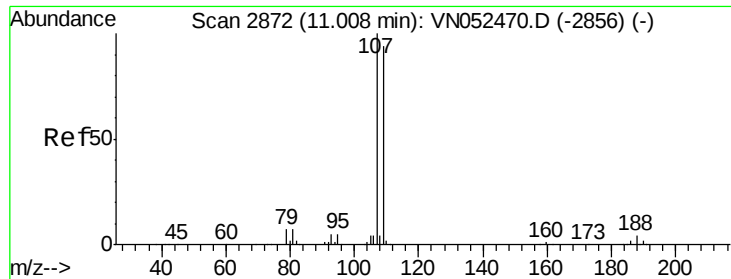
Tot Ion: 43 Resp: 596043
Ion Ratio Lower Upper
43 100
58 54.9 27.4 82.0



#60
Dibromochloromethane
Concen: 21.459 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion: 129 Resp: 210016
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.552 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

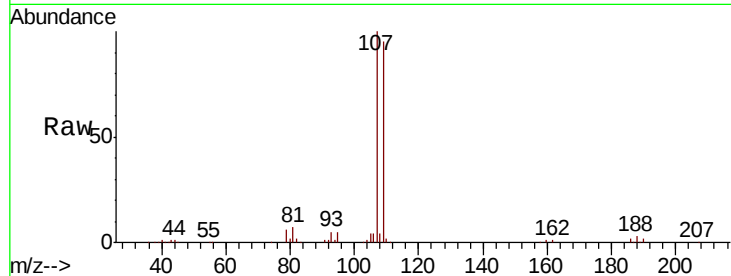
ClientSampleId :

Tot Ion:107 Resp: 183937

Ion Ratio Lower Upper

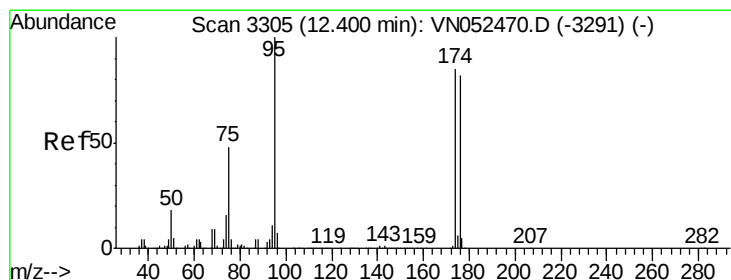
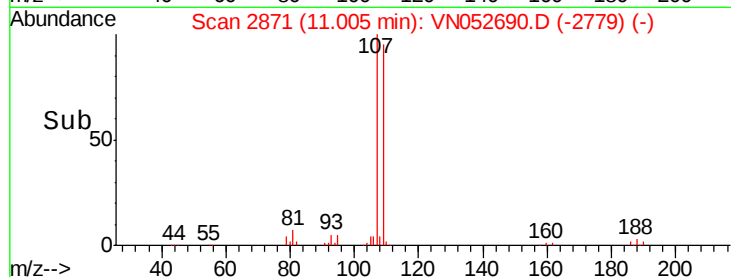
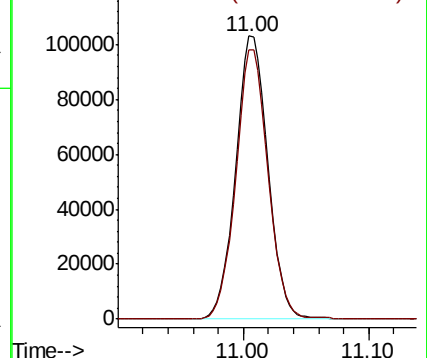
107 100

109 95.0 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.552 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

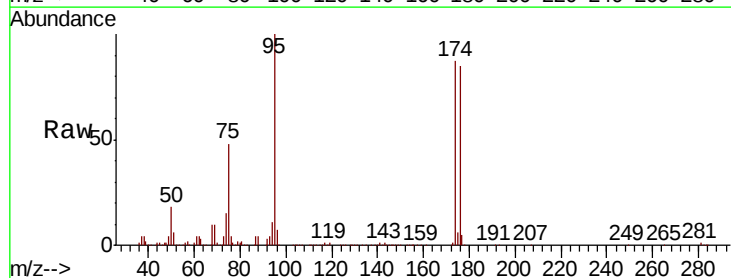
Tgt Ion: 95 Resp: 649780

Ion Ratio Lower Upper

95 100

174 87.7 0.0 173.0

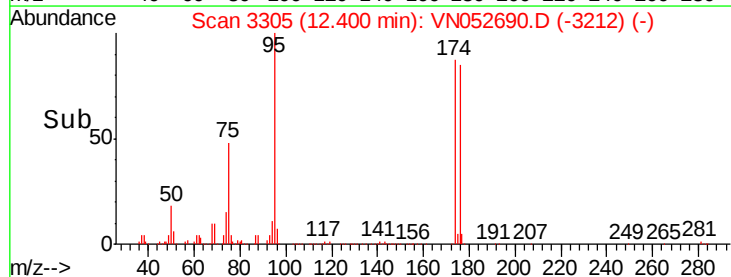
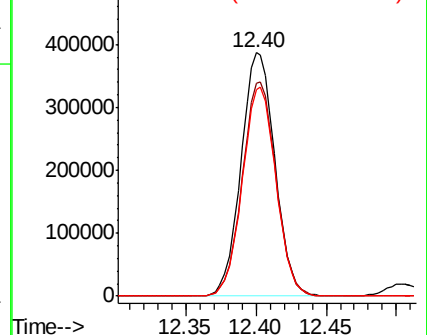
176 85.5 0.0 166.2

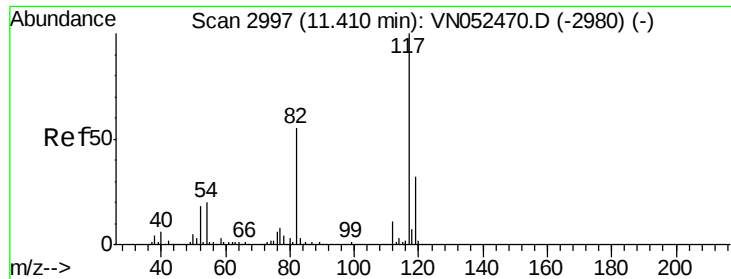


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

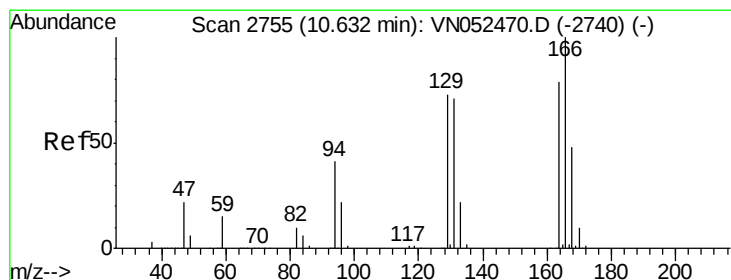
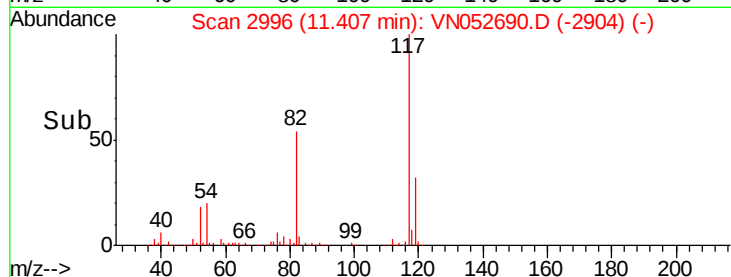
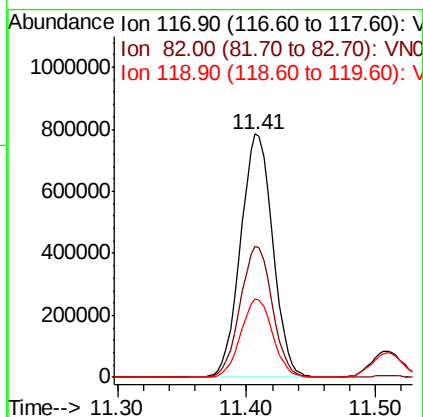
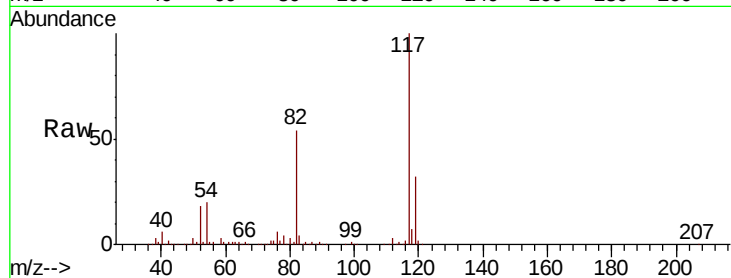




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

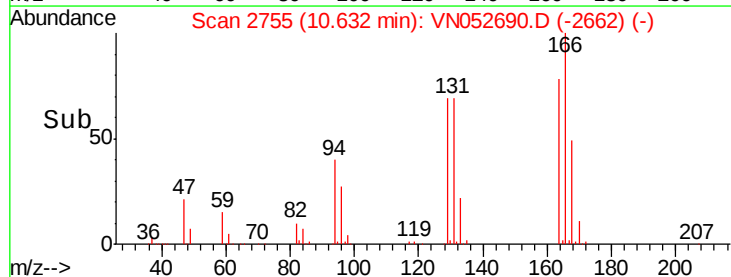
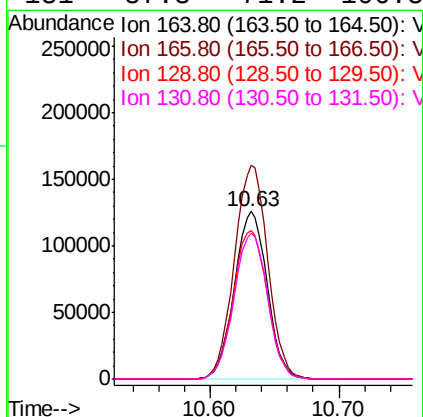
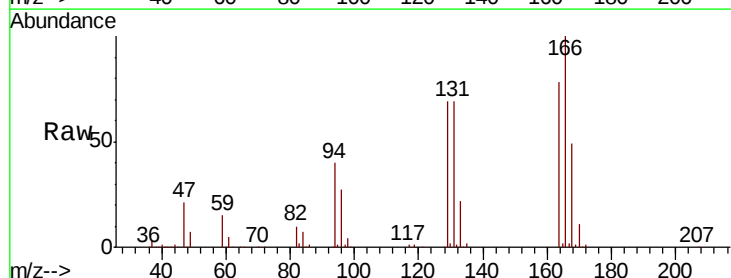
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1365757
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 21.055 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion:164 Resp: 222954
Ion Ratio Lower Upper
164 100
166 127.4 101.0 151.4
129 88.5 73.8 110.6
131 87.3 71.2 106.8

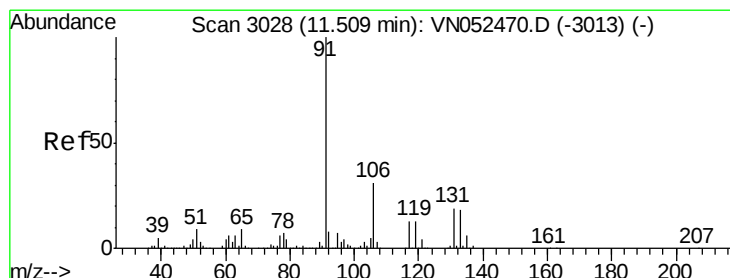
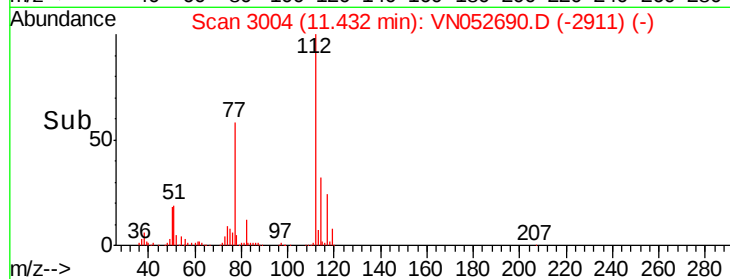
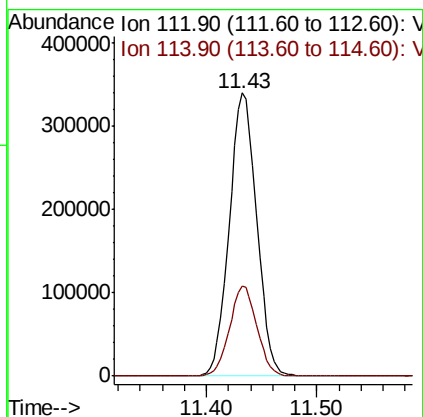
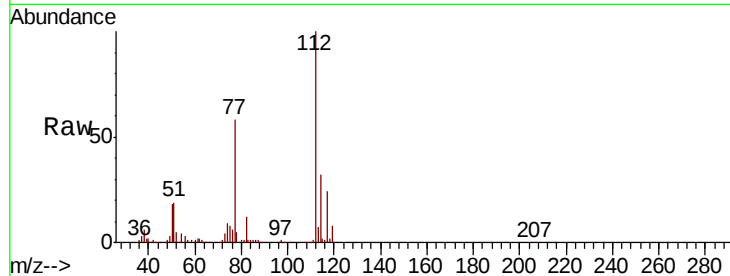




#65
Chlorobenzene
Concen: 20.792 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

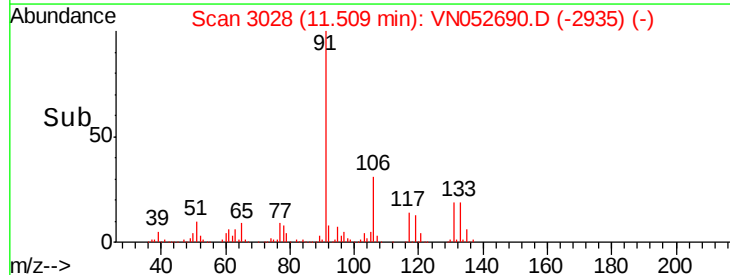
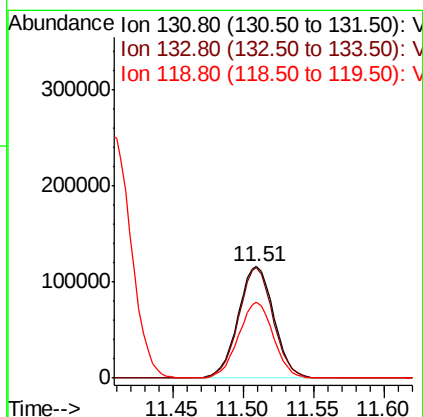
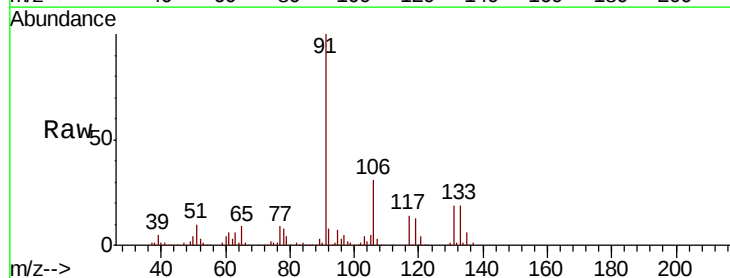
Instrument :
MSVOA_N
ClientSampled :

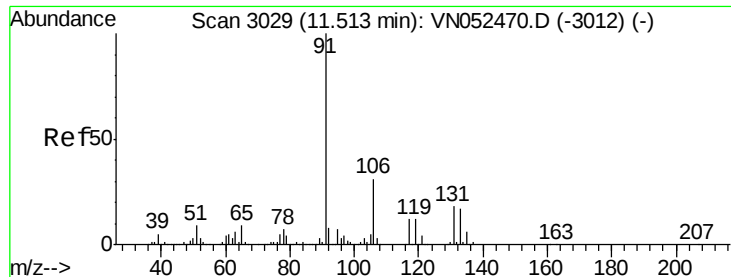
Tot Ion:112 Resp: 585536
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.077 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion:131 Resp: 206389
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.8
119 66.5 33.2 99.6





#67

Ethyl Benzene

Concen: 20.316 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

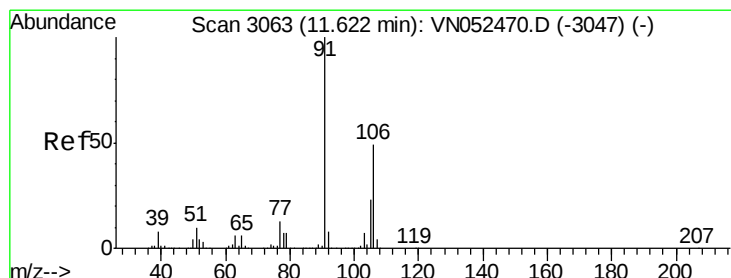
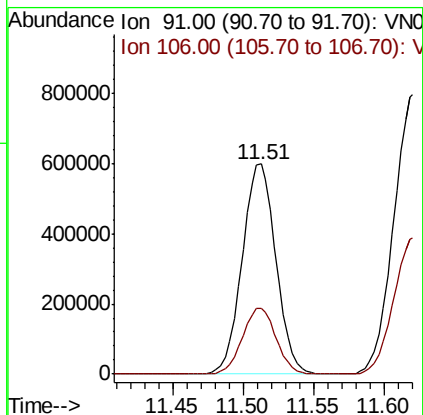
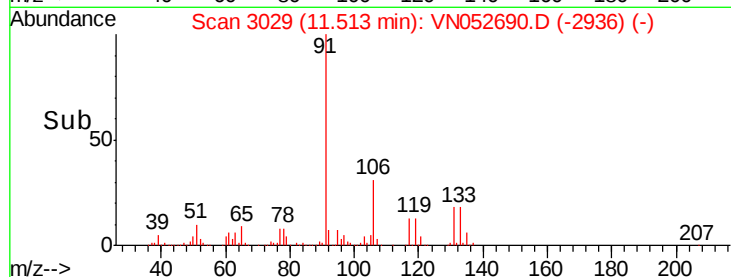
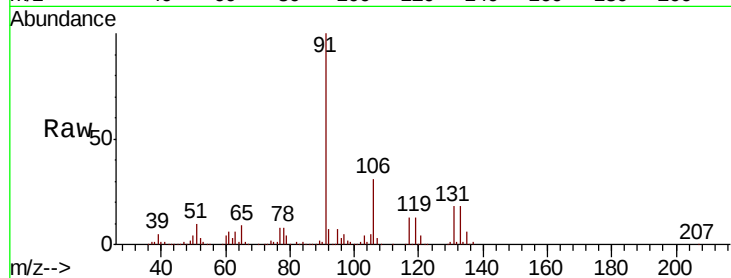
ClientSampled :

Tot Ion: 91 Resp: 1001901

Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3



#68

m/p-Xylenes

Concen: 41.303 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052690.D

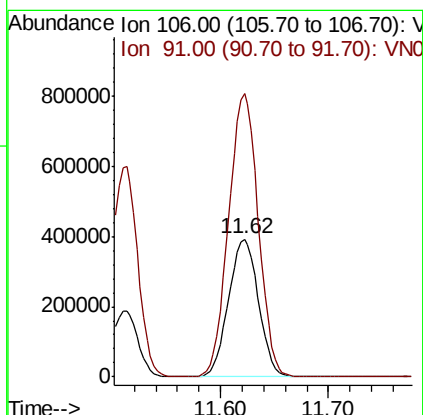
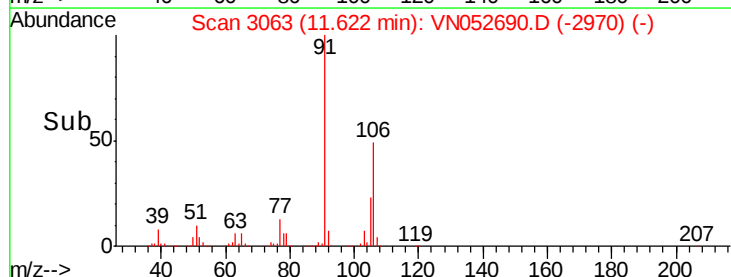
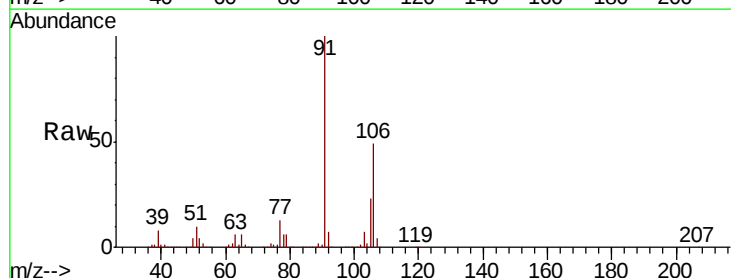
Acq: 6 Dec 2018 10:37

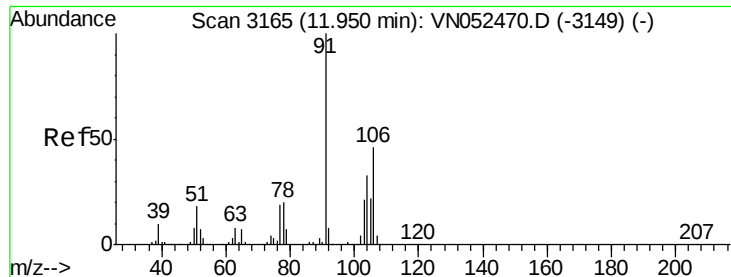
Tgt Ion: 106 Resp: 758286

Ion Ratio Lower Upper

106 100

91 203.9 163.2 244.8

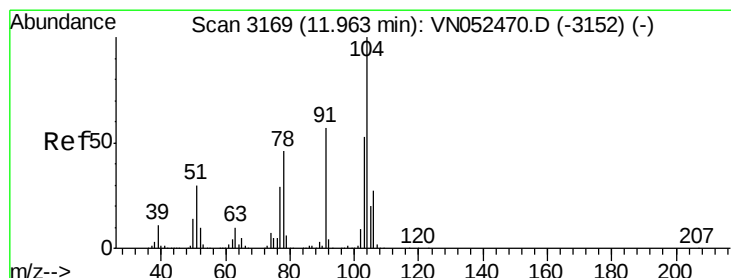
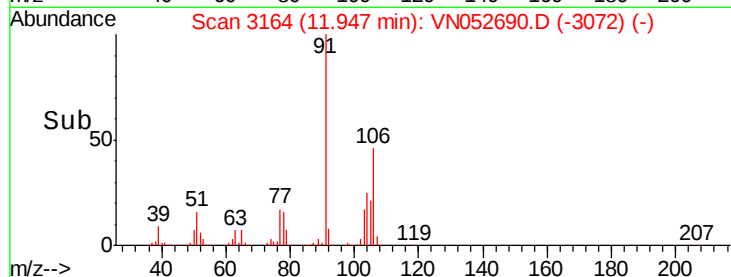
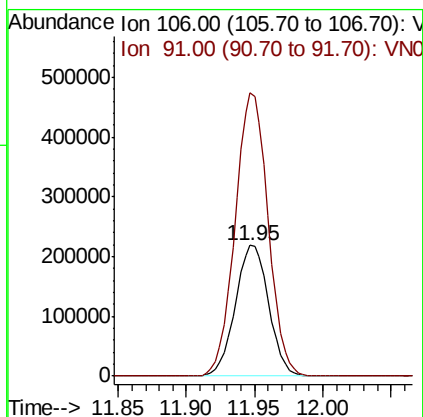
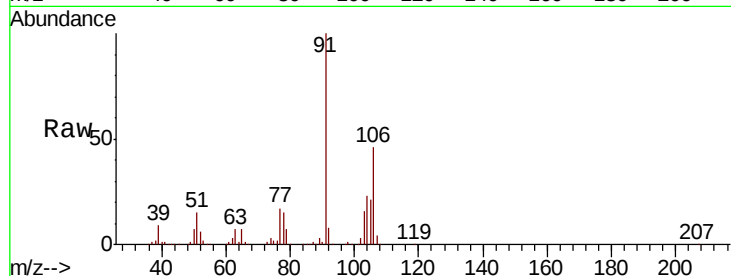




#69
o-Xylene
Concen: 20.773 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

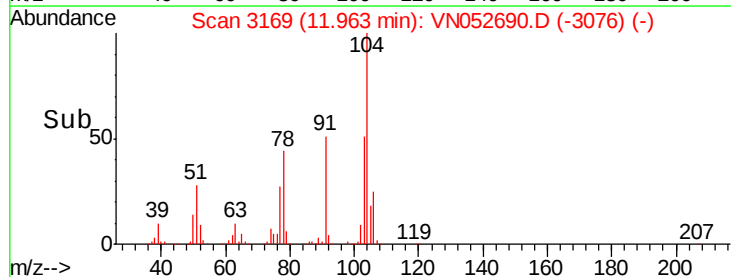
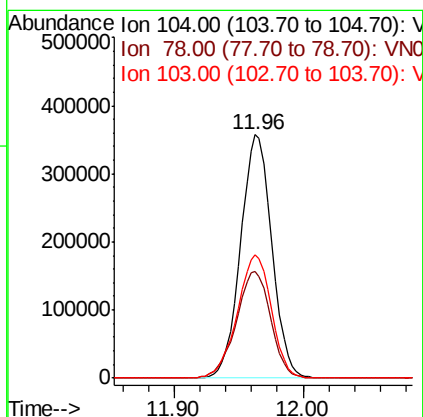
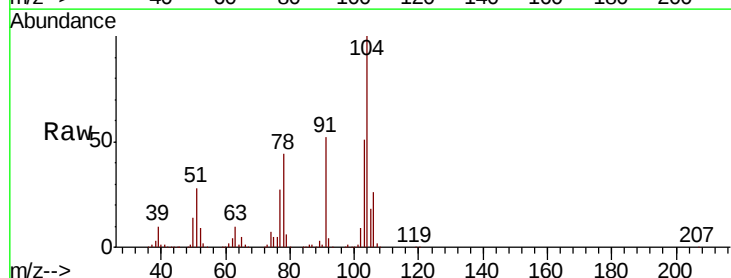
Instrument :
MSVOA_N
ClientSampled :

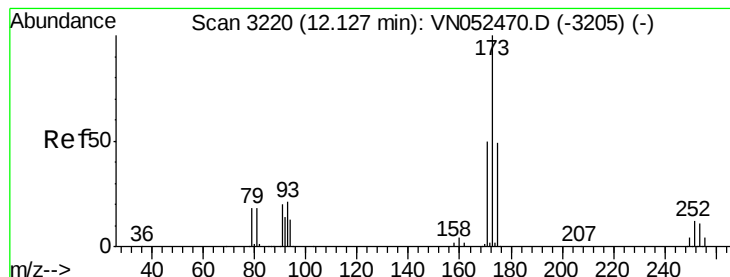
Tot Ion:106 Resp: 370355
Ion Ratio Lower Upper
106 100
91 214.2 107.7 323.1



#70
Styrene
Concen: 21.248 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion:104 Resp: 603356
Ion Ratio Lower Upper
104 100
78 48.5 39.4 59.2
103 55.1 44.9 67.3





#71

Bromoform

Concen: 21.150 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

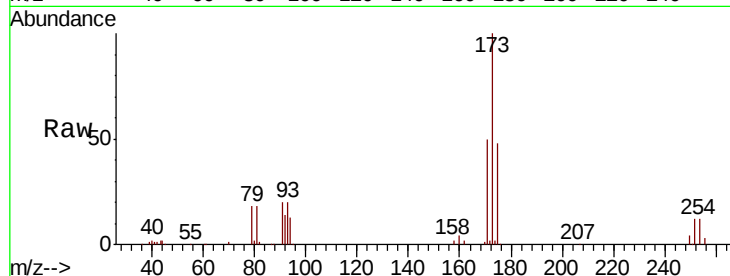
Tot Ion:173 Resp: 137125

Ion Ratio Lower Upper

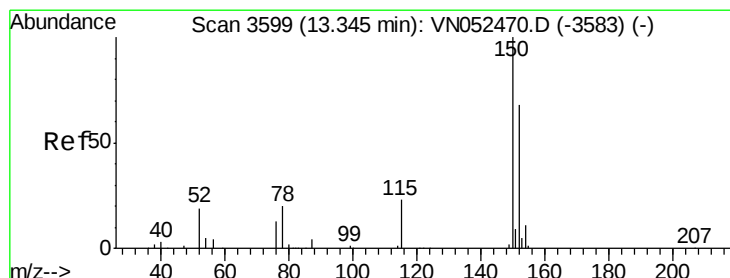
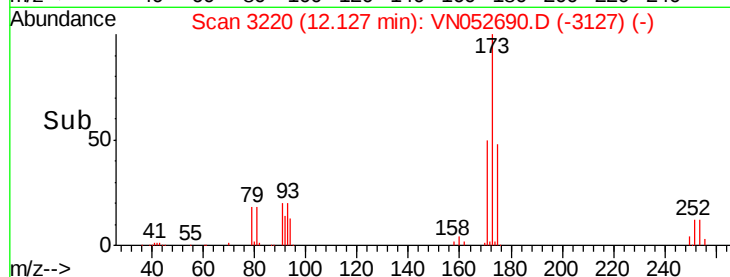
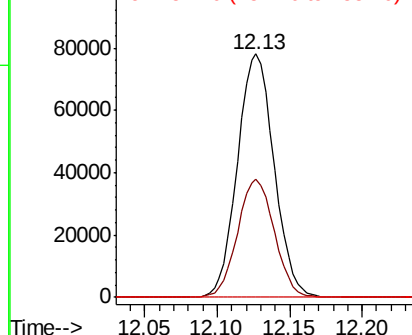
173 100

175 48.5 24.4 73.2

254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

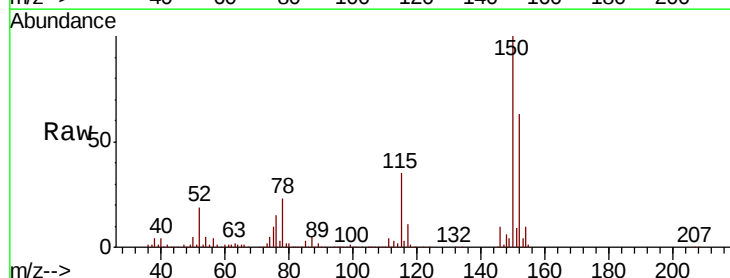
Tgt Ion:152 Resp: 624516

Ion Ratio Lower Upper

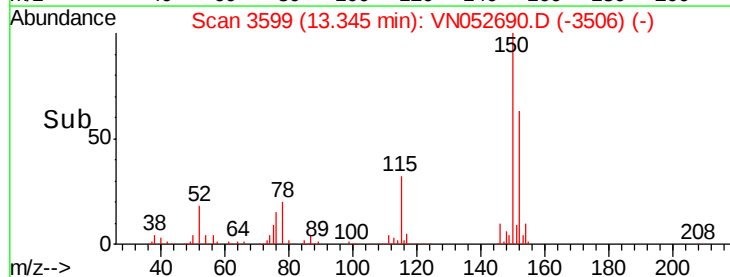
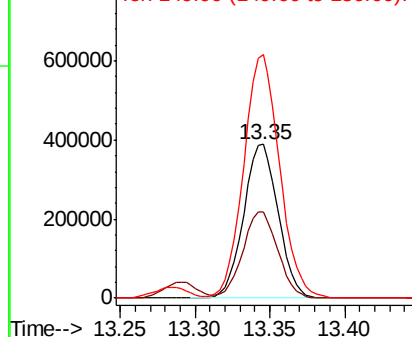
152 100

115 56.8 28.4 85.2

150 165.2 0.0 346.0



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: 20.411 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

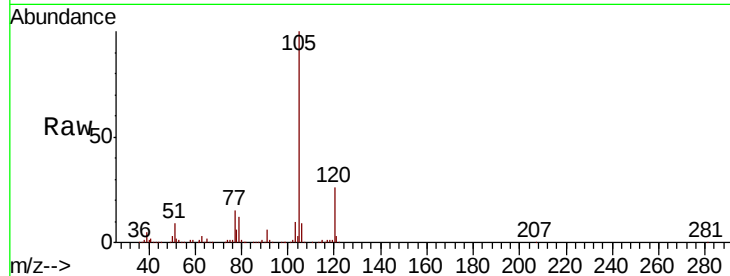
ClientSampled :

Tot Ion:105 Resp: 1000081

Ion Ratio Lower Upper

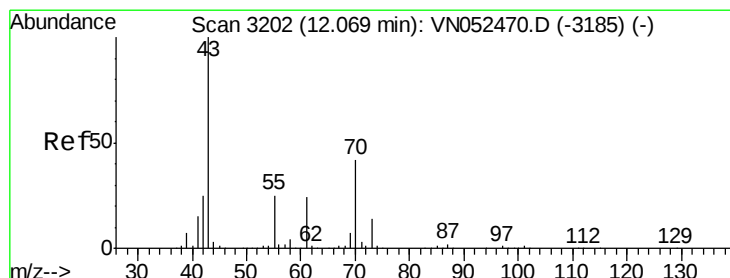
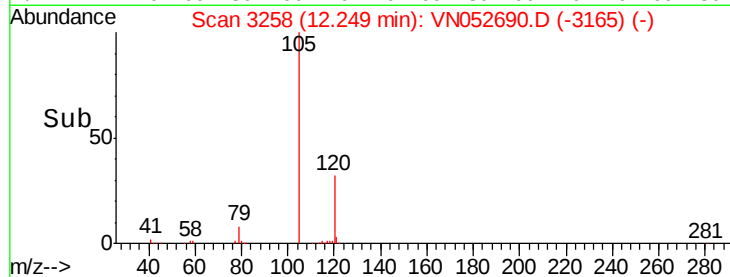
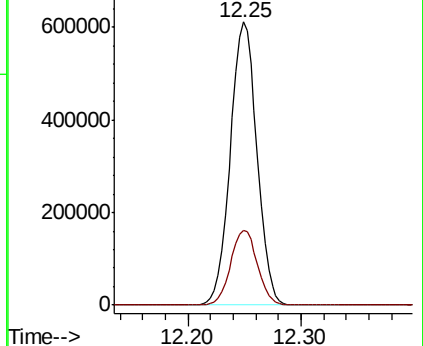
105 100

120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.582 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Tgt Ion: 43 Resp: 242393

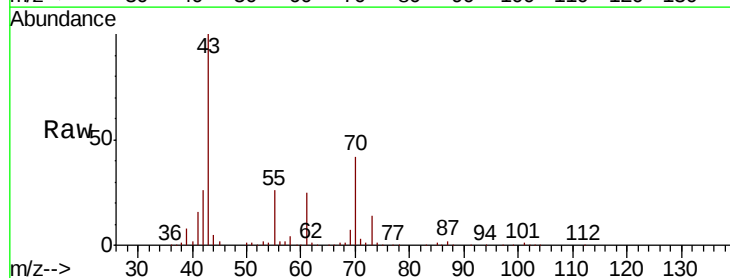
Ion Ratio Lower Upper

43 100

70 43.0 33.8 50.8

55 26.2 20.0 30.0

61 25.0 19.7 29.5

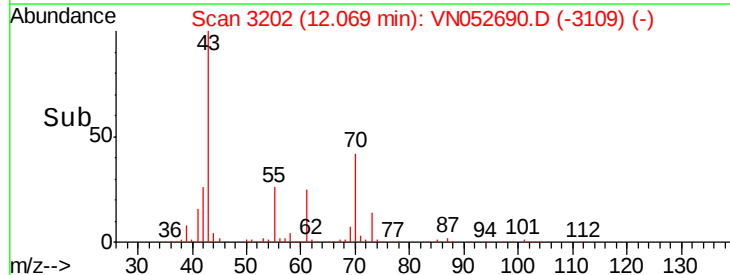
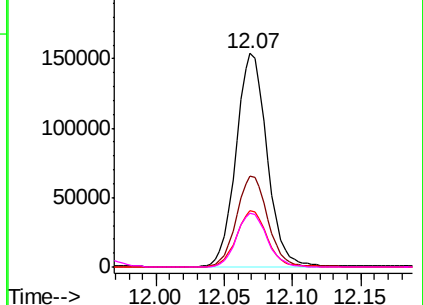


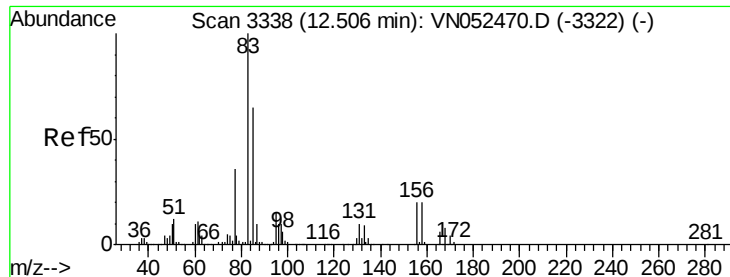
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

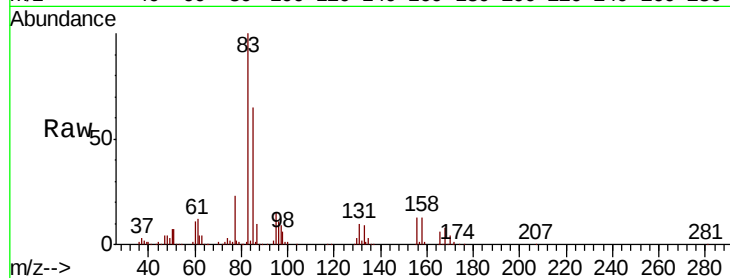
Tot Ion: 83 Resp: 219229

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	15.0
85	64.8	31.9	95.9

83 100

131 10.5 5.0 15.0

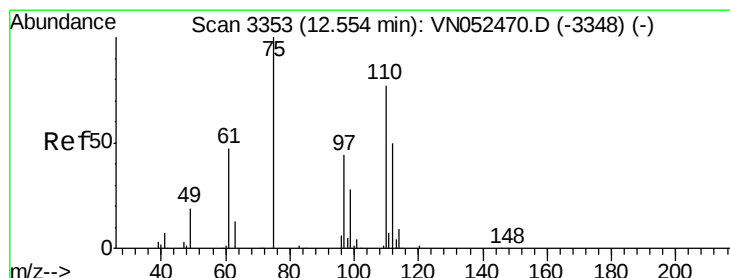
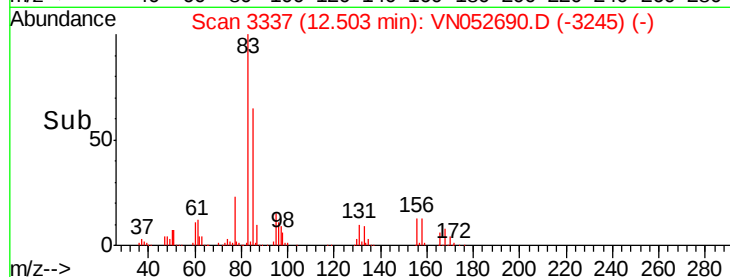
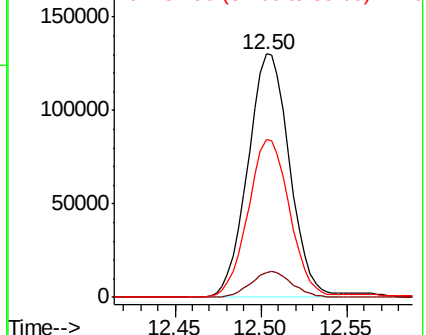
85 64.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 28.660 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052690.D

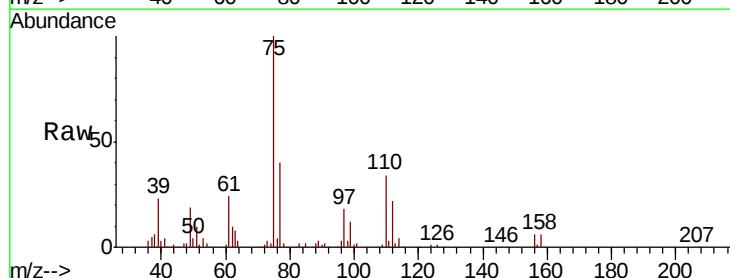
Acq: 6 Dec 2018 10:37

Tgt Ion: 75 Resp: 276006

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

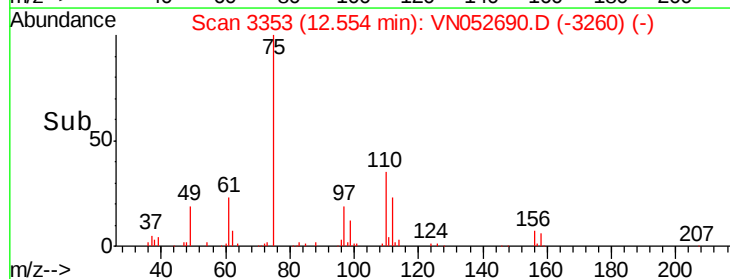
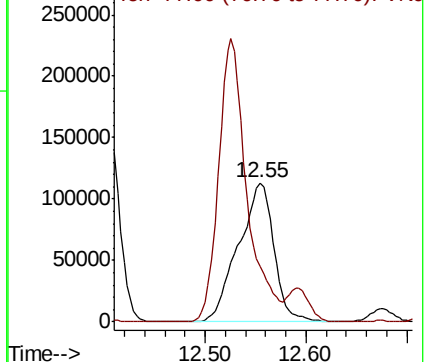
75 100

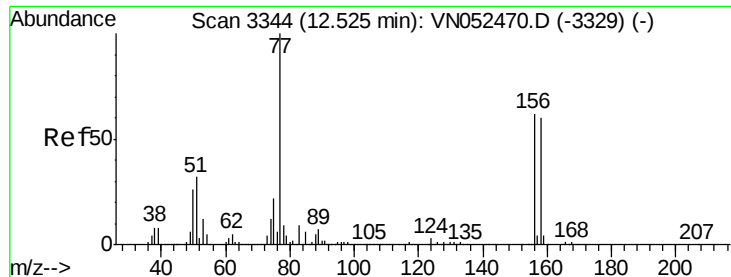
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.540 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

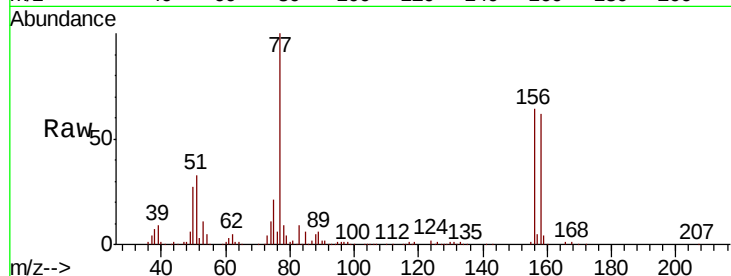
Tot Ion:156 Resp: 248755

Ion Ratio Lower Upper

156 100

77 181.4 93.5 280.4

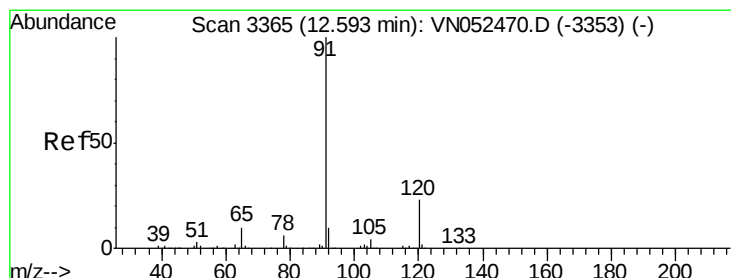
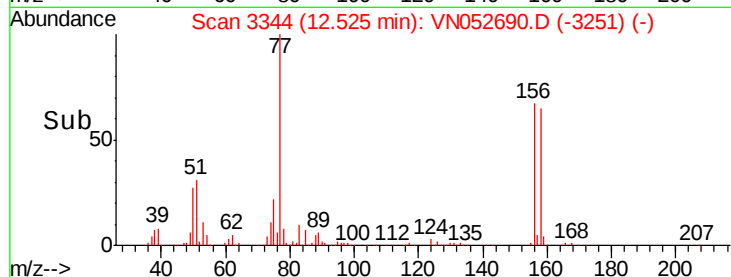
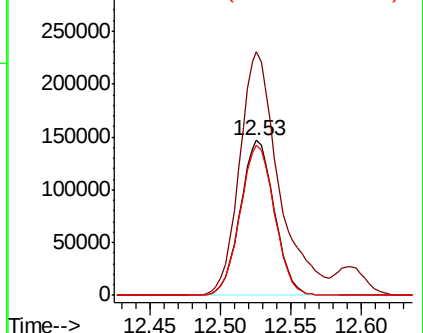
158 97.4 48.3 144.9



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: 20.577 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052690.D

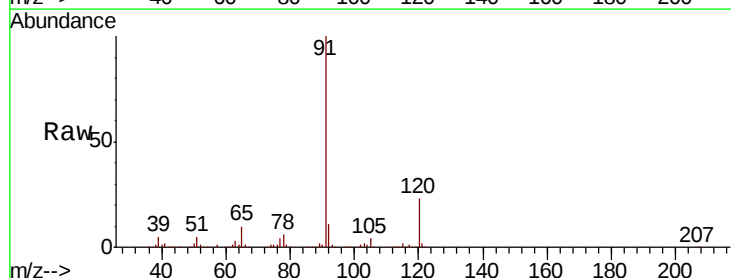
Acq: 6 Dec 2018 10:37

Tgt Ion: 91 Resp: 1145385

Ion Ratio Lower Upper

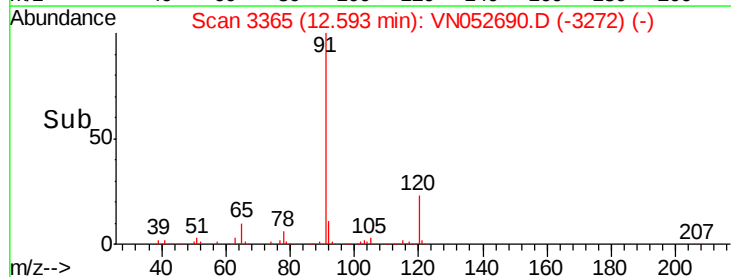
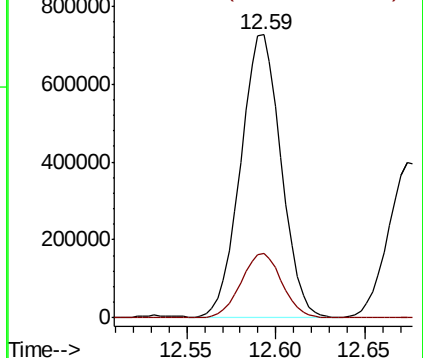
91 100

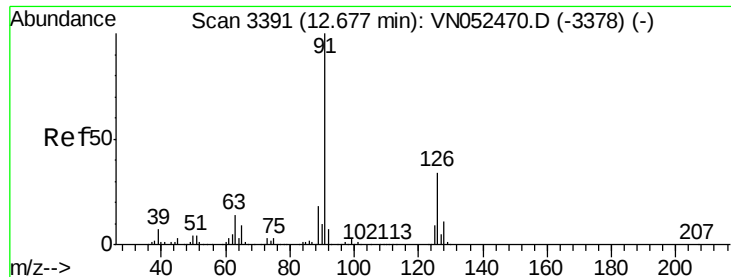
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.182 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

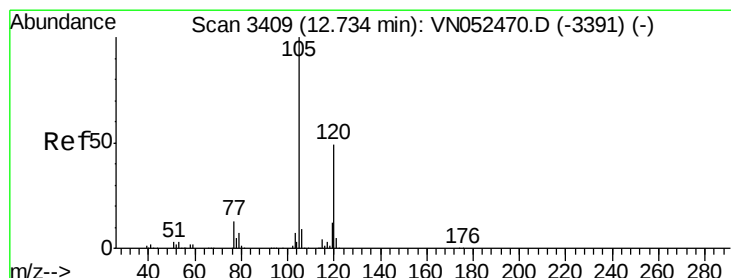
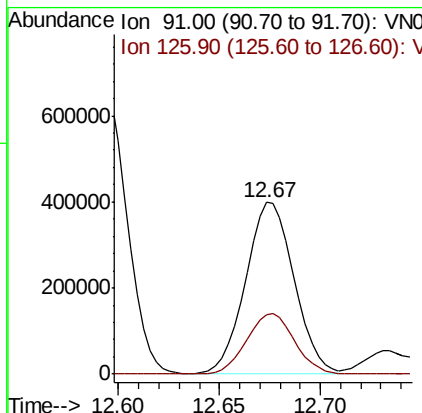
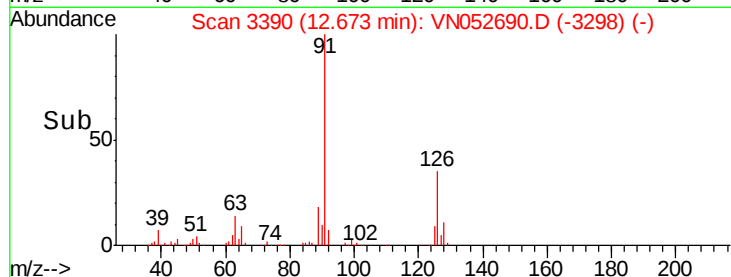
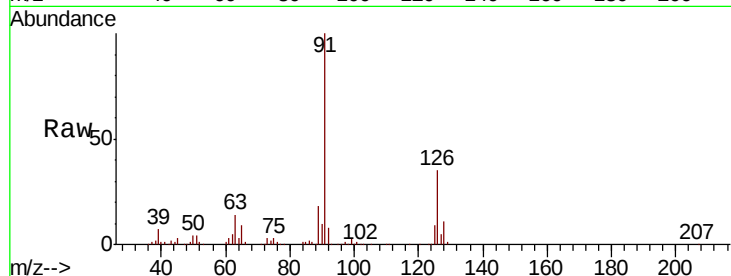
ClientSampleId :

Tot Ion: 91 Resp: 668988

Ion Ratio Lower Upper

91 100

126 35.0 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 20.993 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052690.D

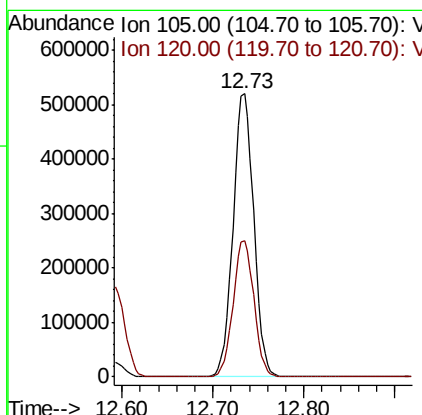
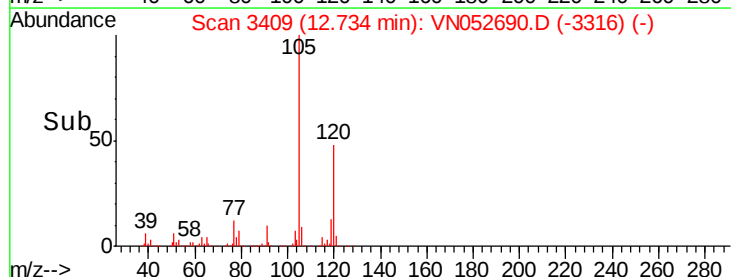
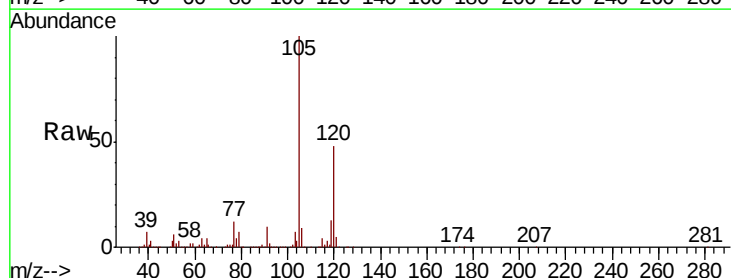
Acq: 6 Dec 2018 10:37

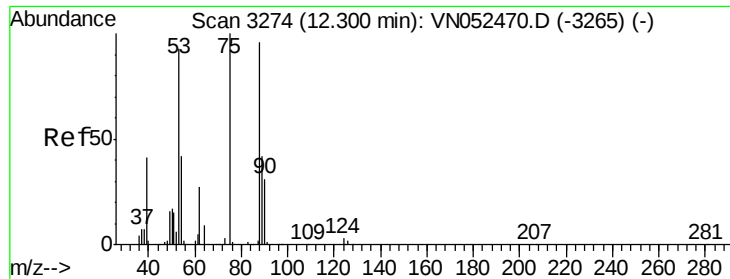
Tgt Ion: 105 Resp: 820367

Ion Ratio Lower Upper

105 100

120 48.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.492 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

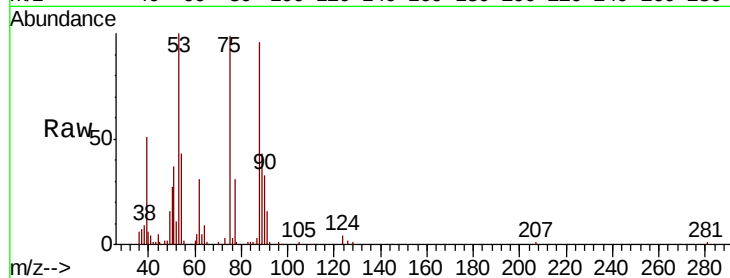
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 59094

Ion	Ratio	Lower	Upper
75	100		
53	98.6	77.4	116.0
89	42.5	35.4	53.2

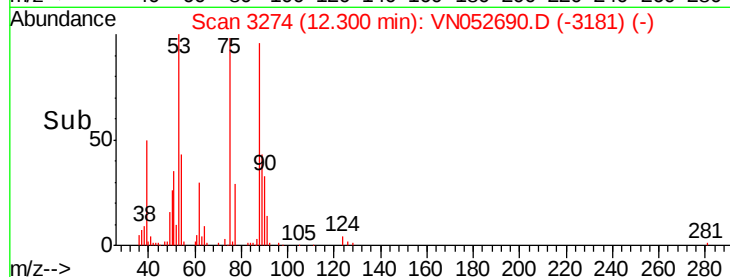


Abundance

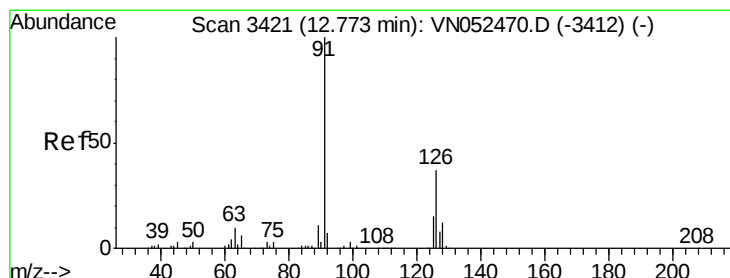
Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#82

4-Chlorotoluene

Concen: 20.374 ug/l

RT: 12.77 min Scan# 3421

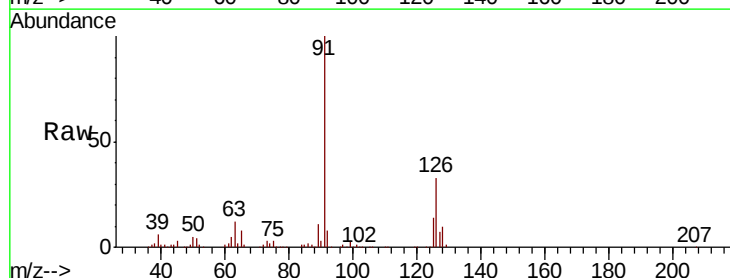
Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Tgt Ion: 91 Resp: 680637

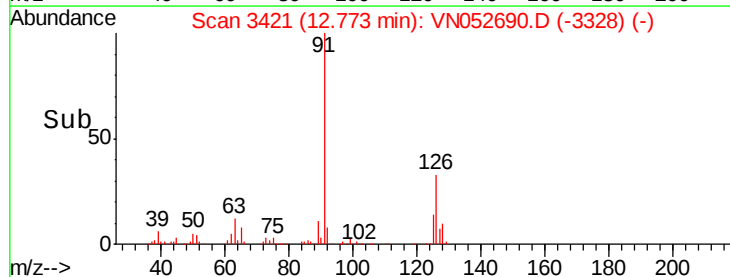
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6



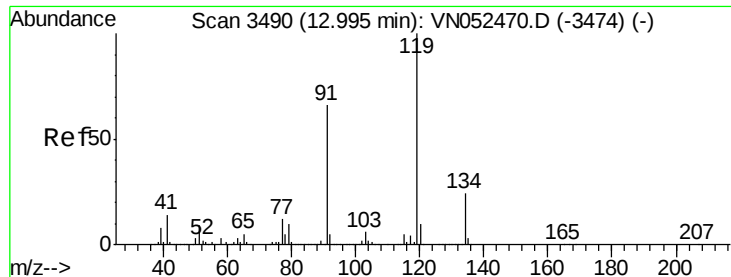
Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



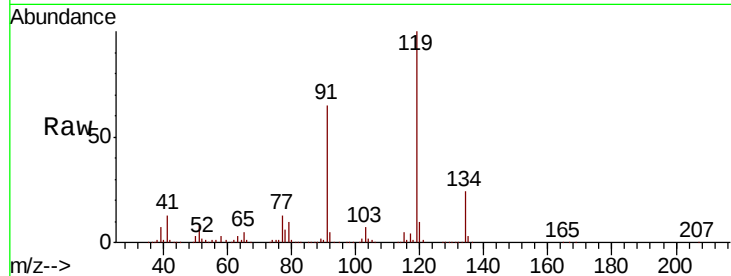
Time-->



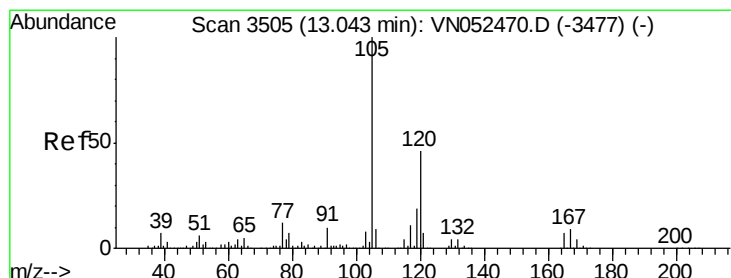
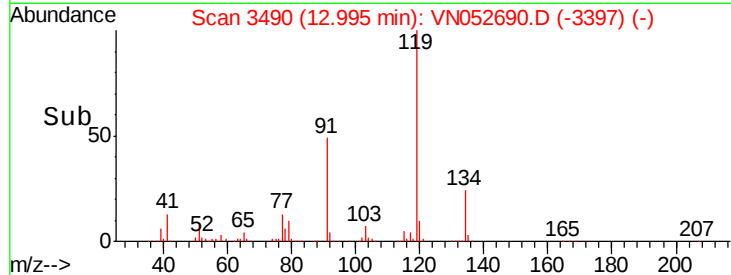
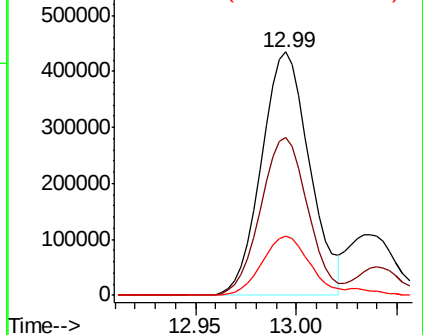
#83
 tert-Butylbenzene
 Concen: 20.713 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleID :

Tot Ion:119 Resp: 721603
 Ion Ratio Lower Upper
 119 100
 91 63.9 32.3 96.9
 134 25.9 13.0 38.9

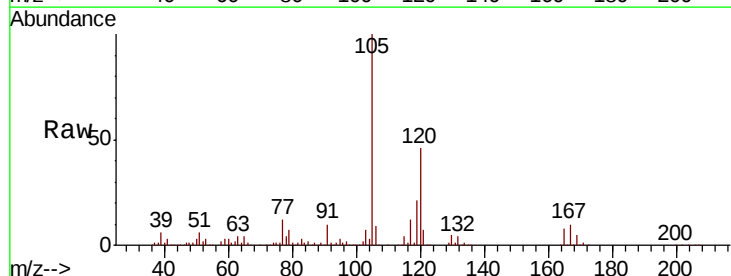


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

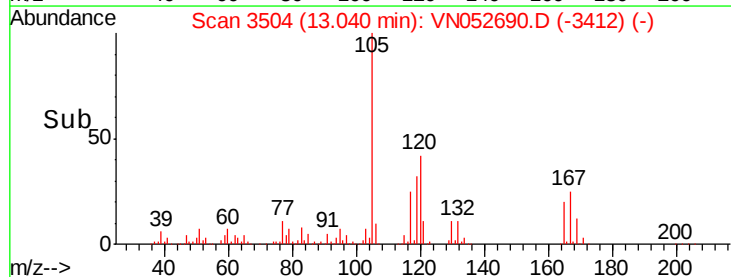
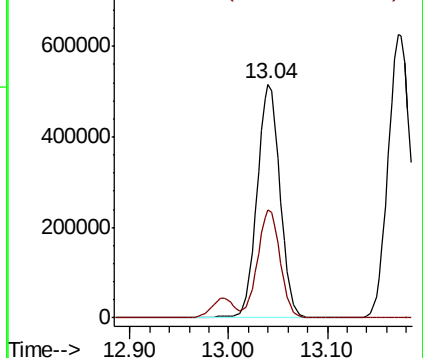


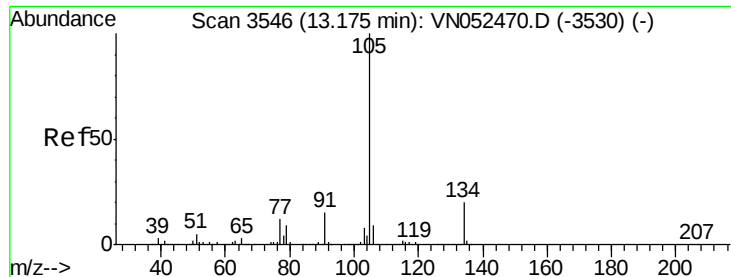
#84
 1,2,4-Trimethylbenzene
 Concen: 20.932 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion:105 Resp: 819740
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.894 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

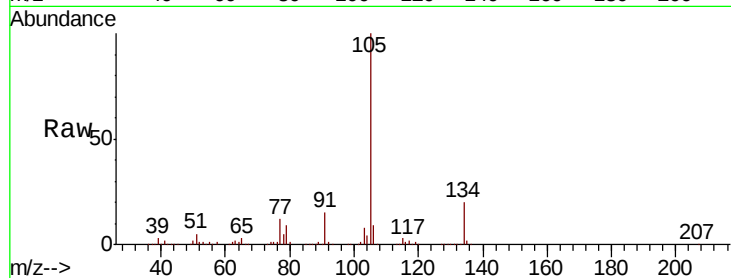
ClientSampled :

Tot Ion:105 Resp: 991395

Ion Ratio Lower Upper

105 100

134 20.0 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

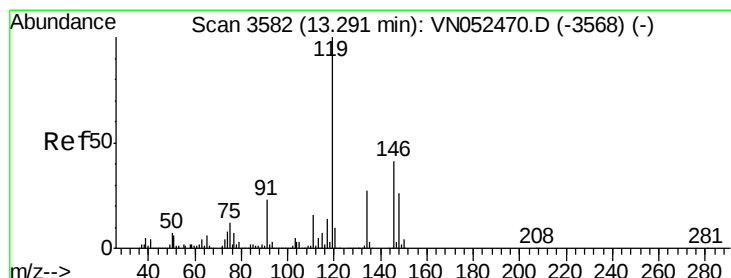
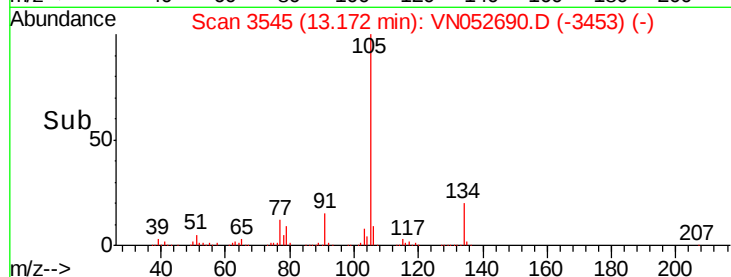
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.967 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

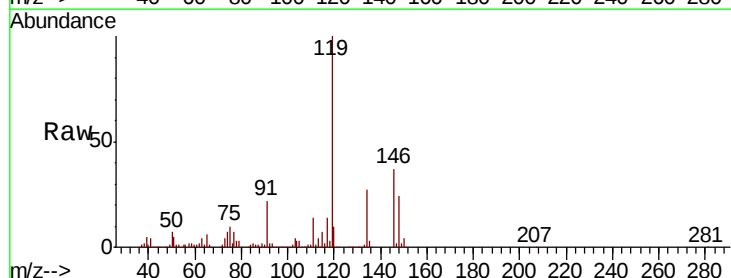
Tgt Ion:119 Resp: 847363

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.0 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

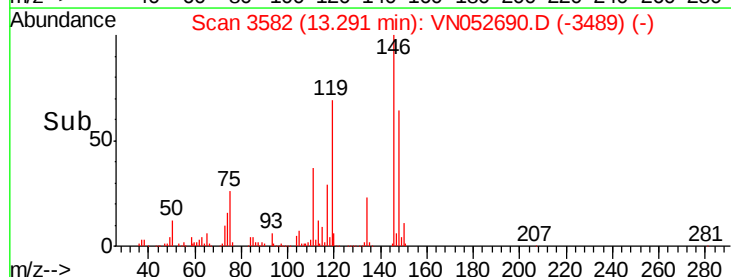
600000

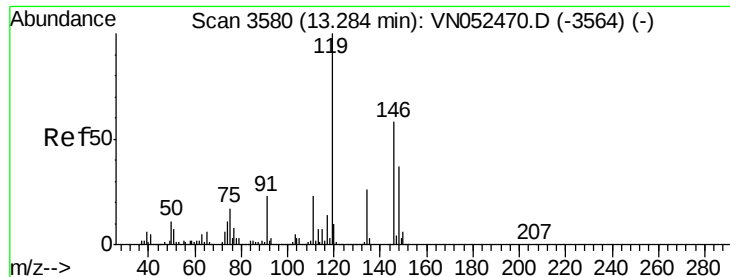
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.554 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

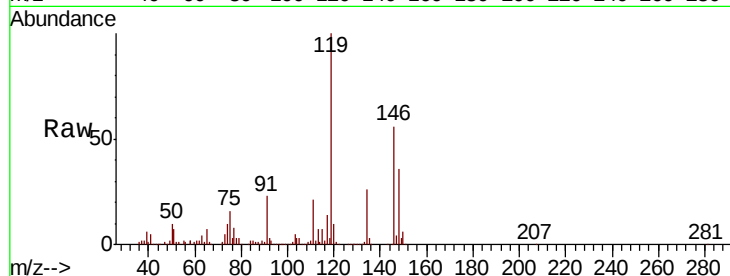
Tot Ion:146 Resp: 435433

Ion Ratio Lower Upper

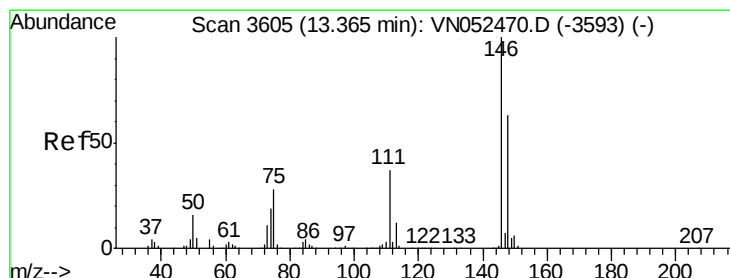
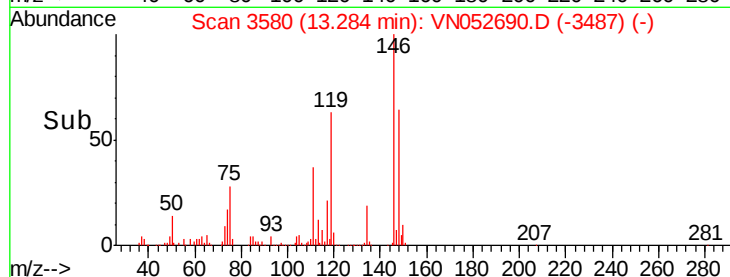
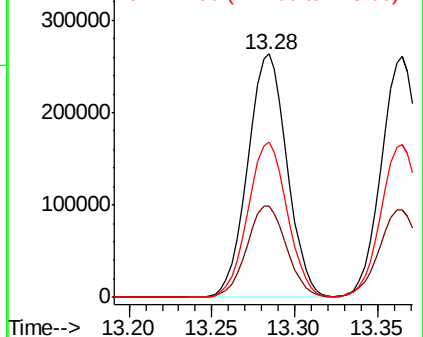
146 100

111 38.1 19.4 58.4

148 64.0 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.397 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

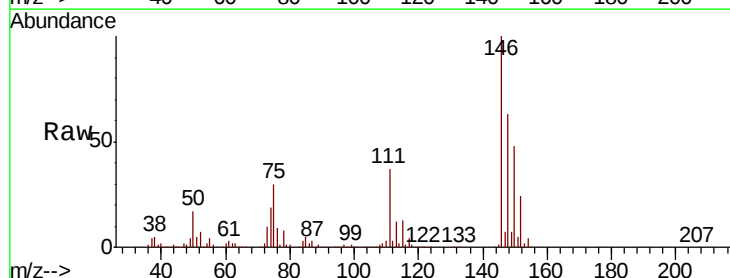
Tgt Ion:146 Resp: 425623

Ion Ratio Lower Upper

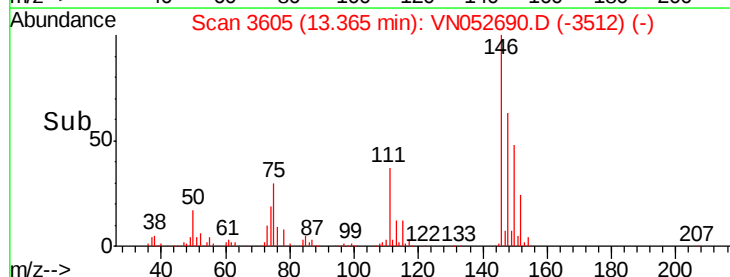
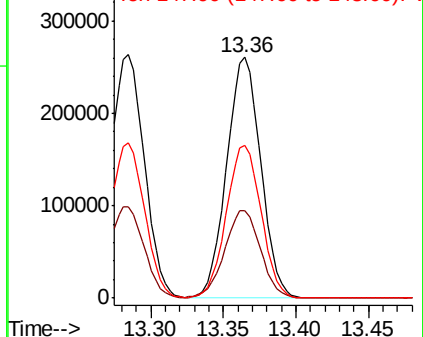
146 100

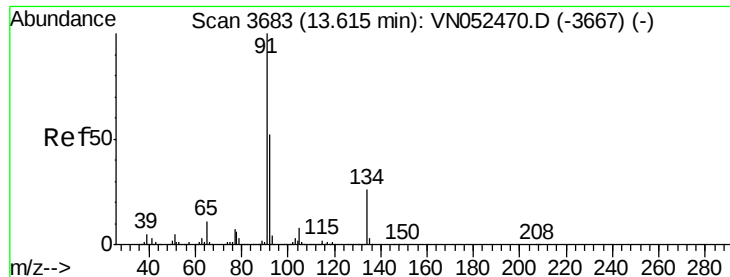
111 38.3 18.6 56.0

148 64.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.738 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

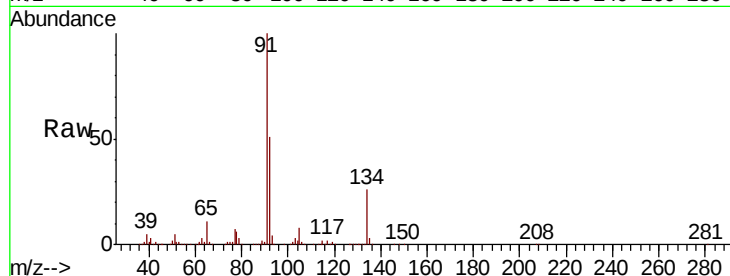
Tot Ion: 91 Resp: 697030

Ion Ratio Lower Upper

91 100

92 51.7 26.1 78.3

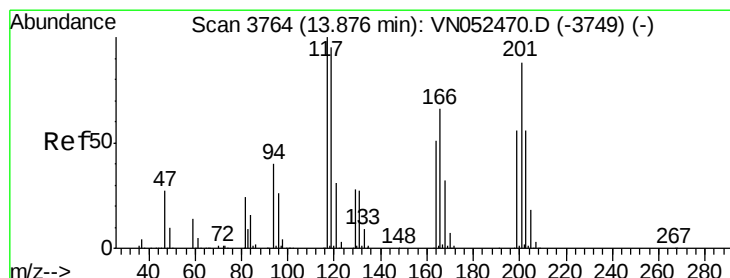
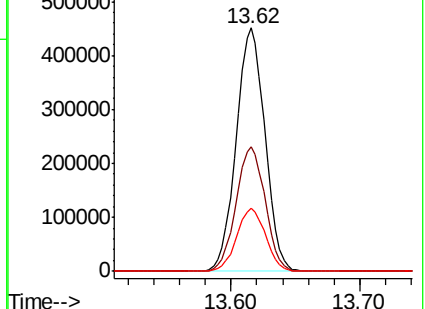
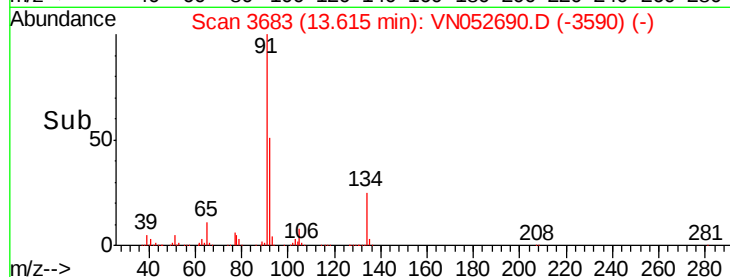
134 25.9 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.605 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052690.D

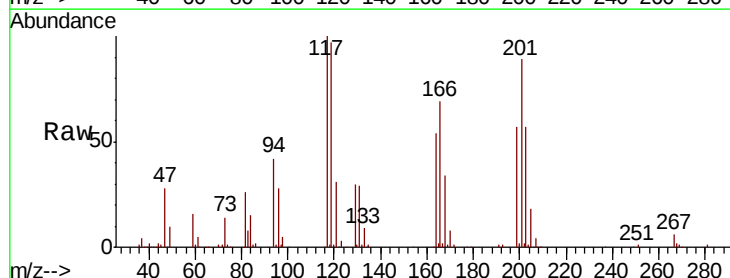
Acq: 6 Dec 2018 10:37

Tgt Ion: 117 Resp: 141004

Ion Ratio Lower Upper

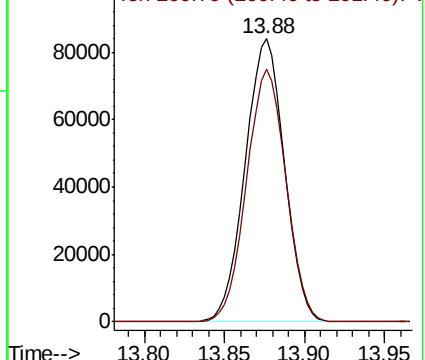
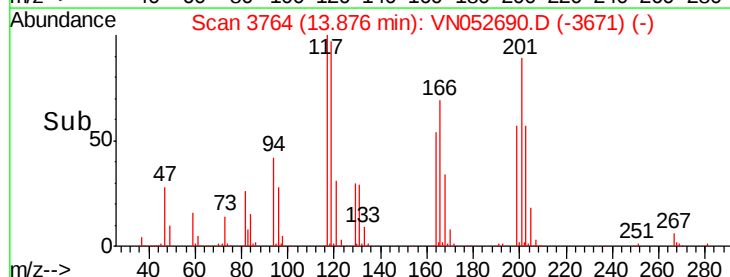
117 100

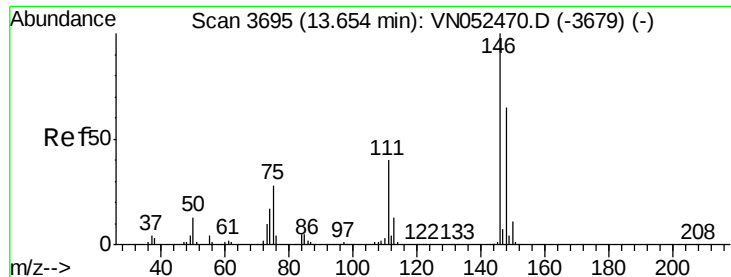
201 89.6 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 21.004 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

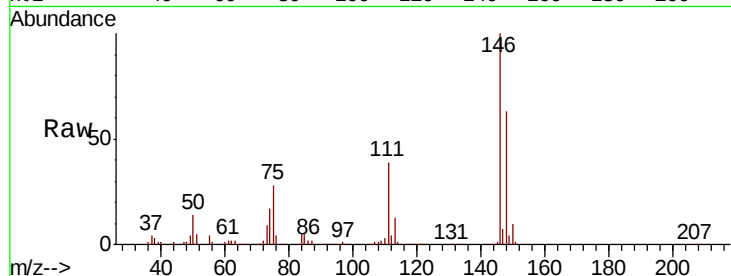
Tot Ion:146 Resp: 425103

Ion Ratio Lower Upper

146 100

111 38.7 20.0 60.0

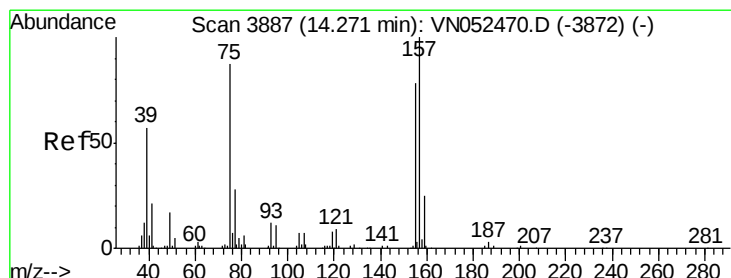
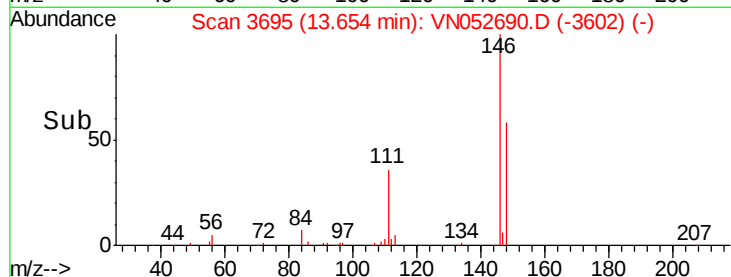
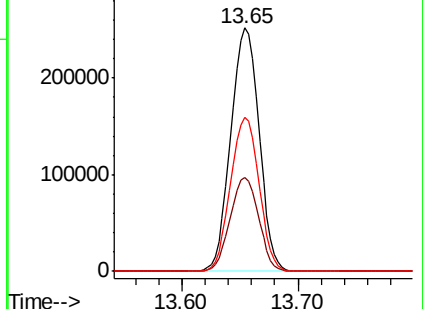
148 63.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.289 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

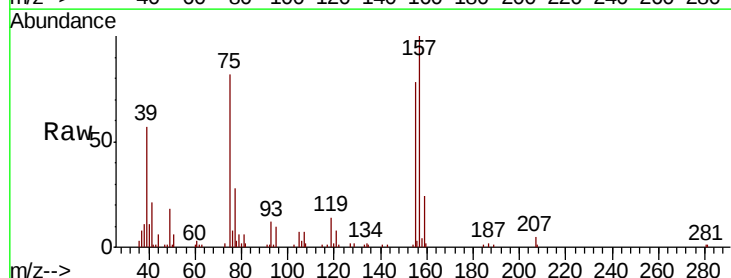
Tgt Ion: 75 Resp: 32342

Ion Ratio Lower Upper

75 100

155 89.8 45.3 135.9

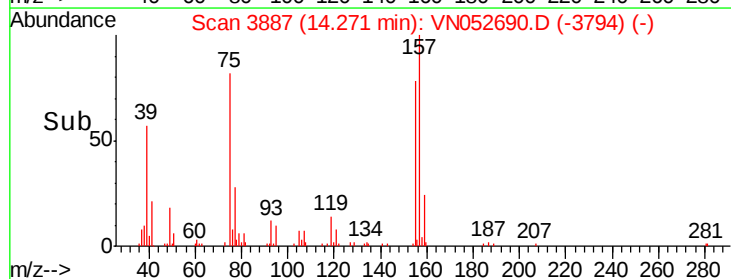
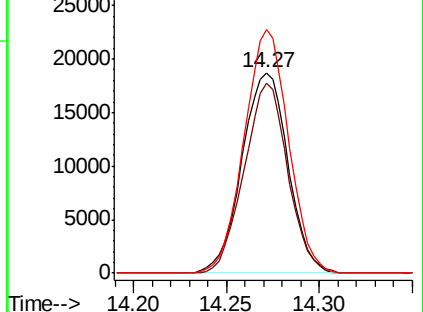
157 117.0 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

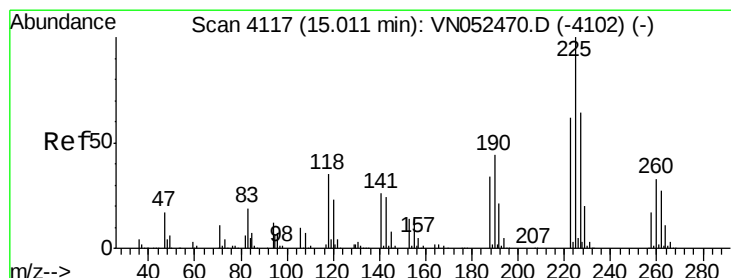
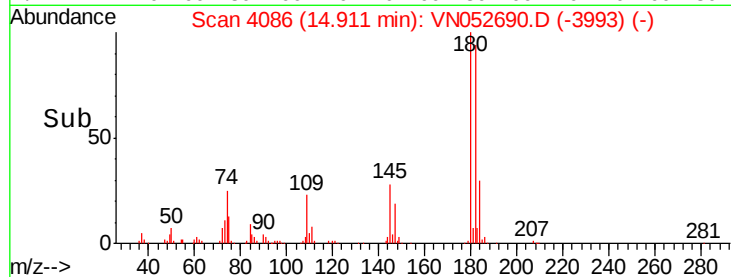
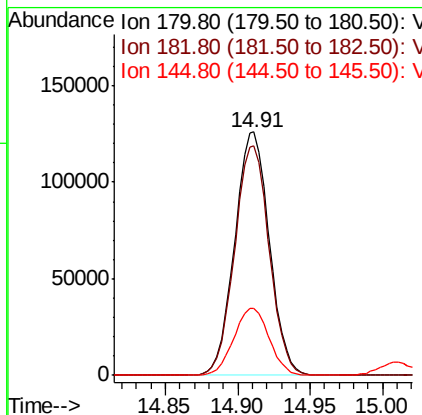
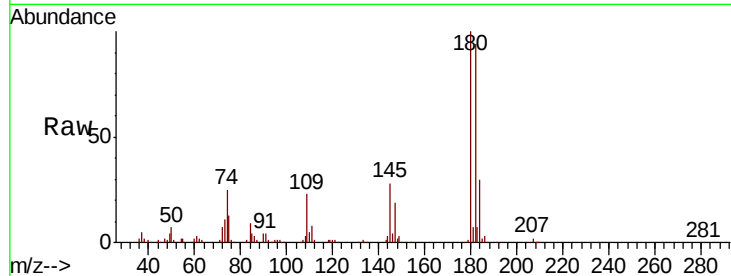




#93
 1,2,4-Trichlorobenzene
 Concen: 20.601 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

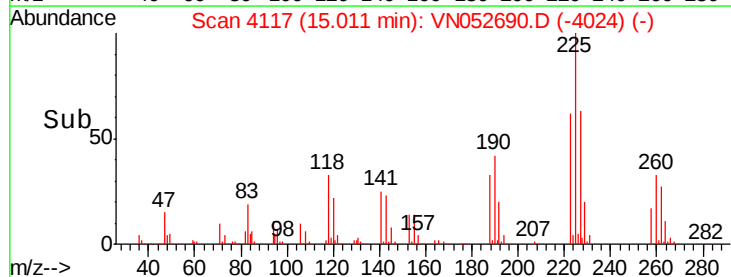
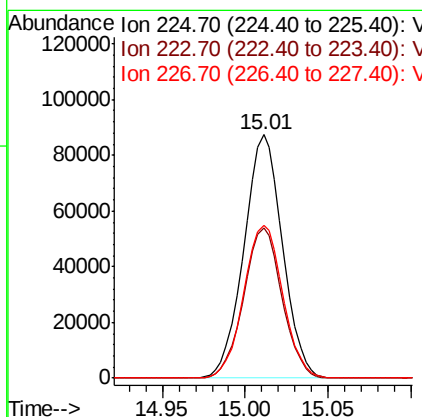
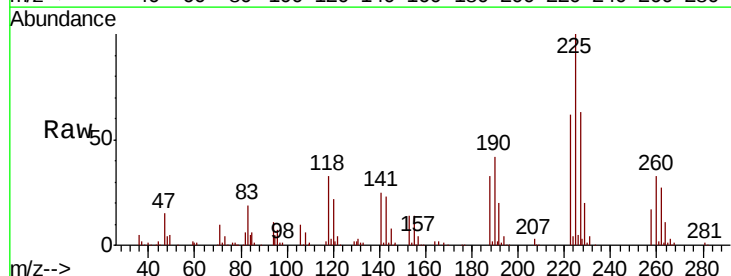
Instrument :
 MSVOA_N
 ClientSampleId :

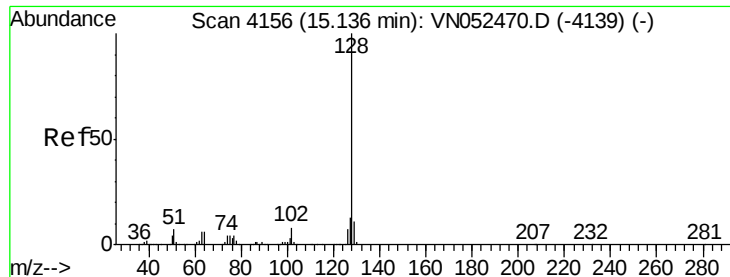
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.8	143.4
145	28.2	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 21.726 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.4	94.2
227	63.7	32.5	97.4





#95

Naphthalene

Concen: 19.641 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

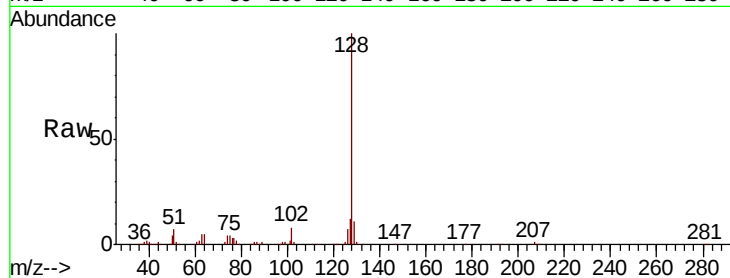
Tot Ion:128 Resp: 409253

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

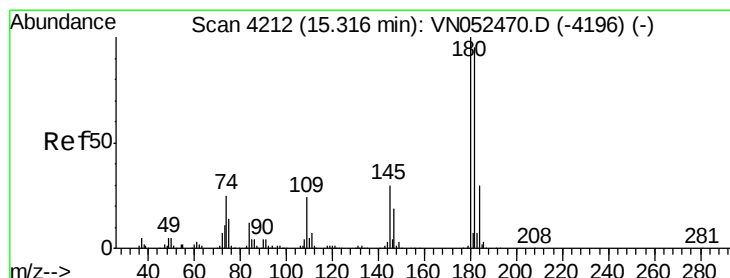
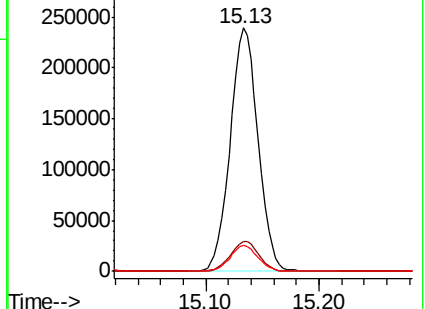
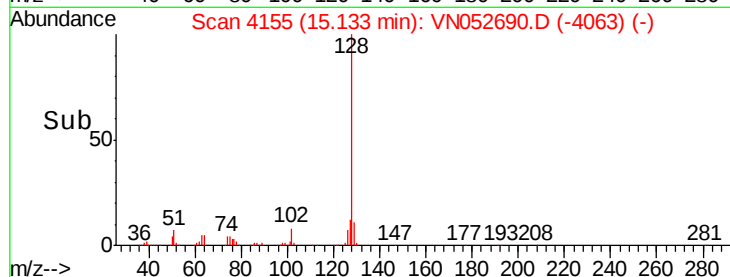
129 10.6 8.7 13.1



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: 21.091 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052690.D

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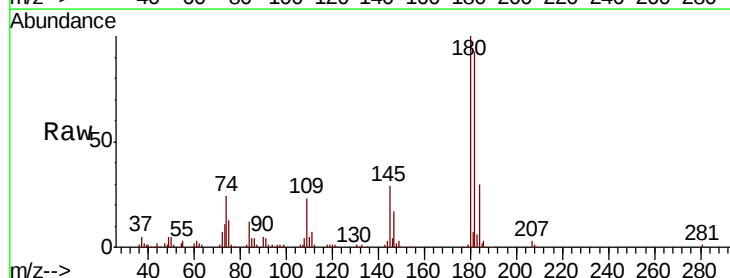
Tgt Ion:180 Resp: 198007

Ion Ratio Lower Upper

180 100

182 94.9 47.8 143.3

145 29.9 15.2 45.5



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

