

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055710.D
 Acq On : 21 May 2019 15:30
 Operator : JC/SP
 Sample : K2959-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 05:12:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	414734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	586344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	189180	41.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.22%	
35) Dibromofluoromethane	7.59	113	178594	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	10.09	98	682868	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.40	95	213366	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	

Target Compounds

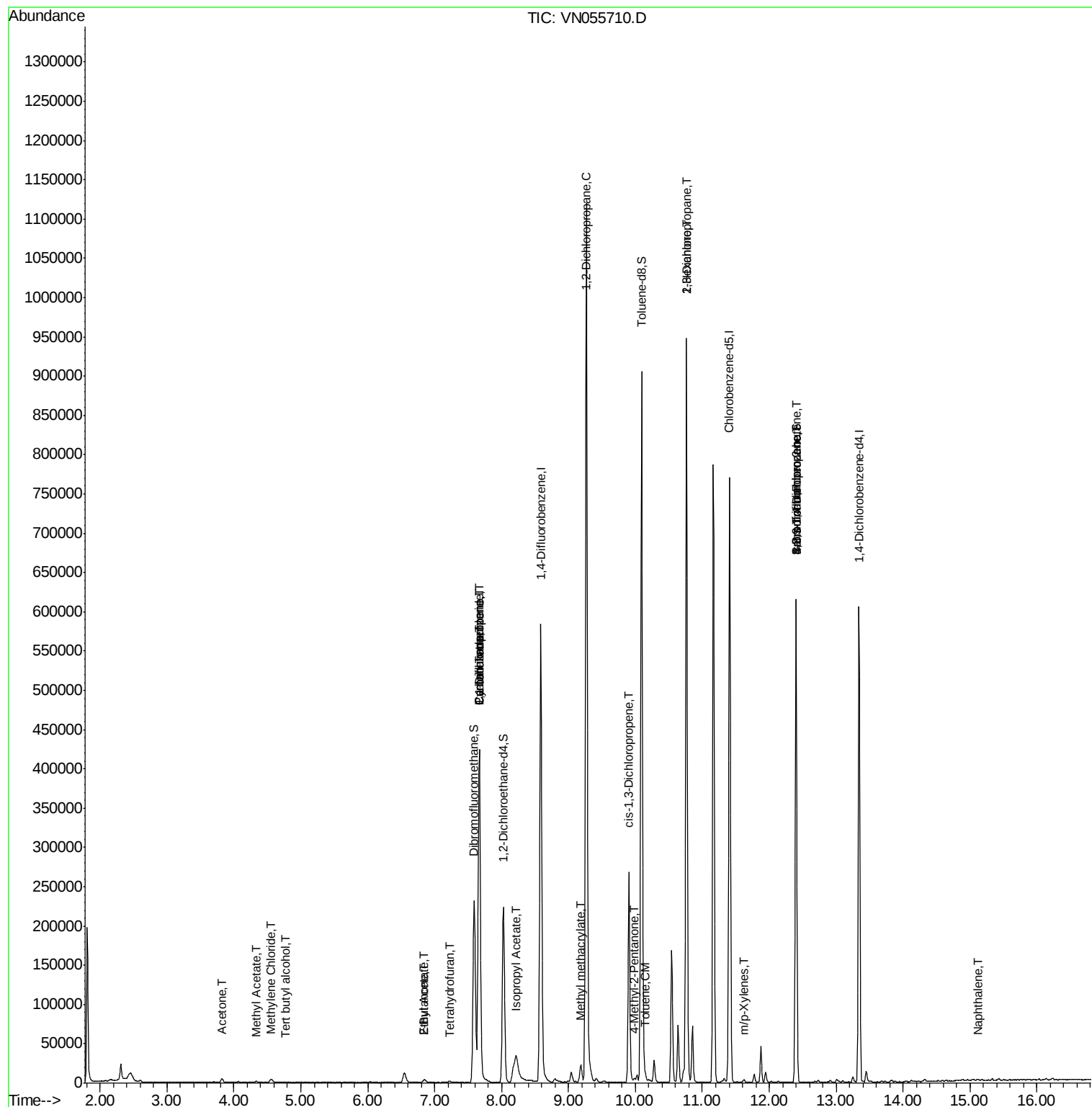
						Qvalue
11) Tert butyl alcohol	4.77	59	2026	2.390	ug/l #	74
16) Acetone	3.82	43	9466	5.102	ug/l	96
18) Methyl Acetate	4.33	43	4133	1.039	ug/l #	79
20) Methylene Chloride	4.55	84	3988	0.942	ug/l	95
25) 2-Butanone	6.84	43	9164	3.533	ug/l #	87
29) Tetrahydrofuran	7.22	42	1478	0.860	ug/l #	64
31) Cyclohexane	7.66	56	5630	0.835	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	23591	4.513	ug/l #	48
37) Ethyl Acetate	6.84	43	9164	1.943	ug/l #	67
38) Carbon Tetrachloride	7.67	117	33295	5.960	ug/l #	15
43) Isopropyl Acetate	8.22	43	70956	8.647	ug/l #	53
45) 1,2-Dichloropropane	9.26	63	1454	0.359	ug/l #	43
48) Methyl methacrylate	9.18	41	8528	2.325	ug/l #	21
51) 4-Methyl-2-Pentanone	9.98	43	3346	0.695	ug/l	99
52) Toluene	10.16	92	2337	0.242	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	54711	8.351	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	10352	1.646	ug/l #	42
59) 2-Hexanone	10.76	43	134723	39.755	ug/l #	52
68) m/p-Xylenes	11.62	106	1504	0.218	ug/l	99
71) Bromoform	12.40	173	1502	0.429	ug/l #	1
73) Isopropylbenzene	12.26	105	71	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	95834	26.285	ug/l #	100
79) 2-Chlorotoluene	12.67	91	94	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	911	Below Cal		84
81) trans-1,4-Dichloro-2-buten	12.40	75	95834	67.569	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.04	105	1158	Below Cal		89
85) sec-Butylbenzene	13.17	105	240	Below Cal	#	56
86) p-Isopropyltoluene	13.29	119	317	Below Cal	#	51
95) Naphthalene	15.13	128	668	1.834	ug/l #	69

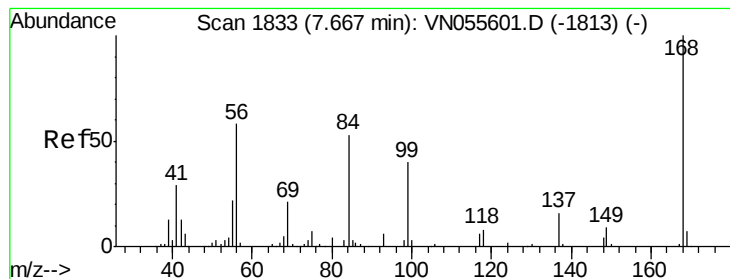
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052119\
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Quant Time: May 22 05:12:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

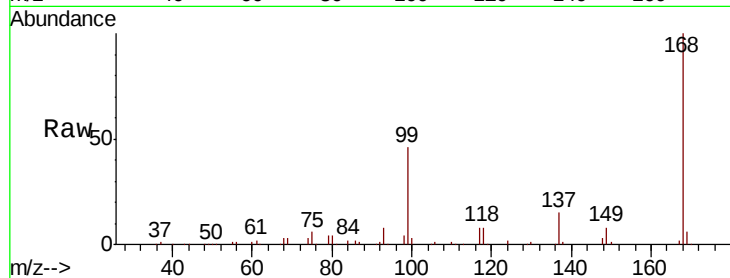
ClientSampled :

Tot Ion:168 Resp: 414734

Ion Ratio Lower Upper

168 100

99 46.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

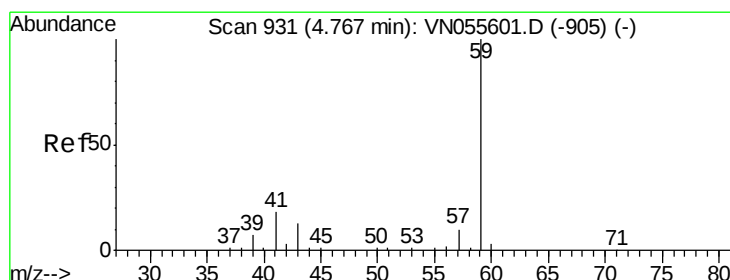
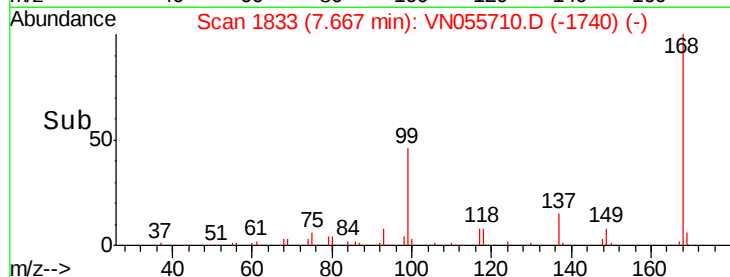
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 2.390 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.01 min

Lab File: VN055710.D

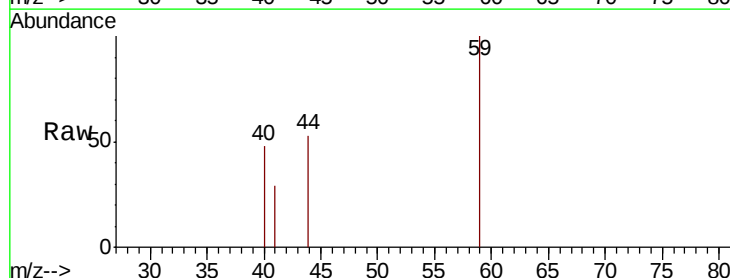
Acq: 21 May 2019 15:30

Tgt Ion: 59 Resp: 2026

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.77

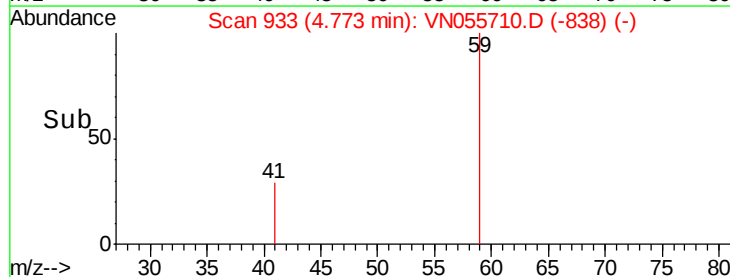
600

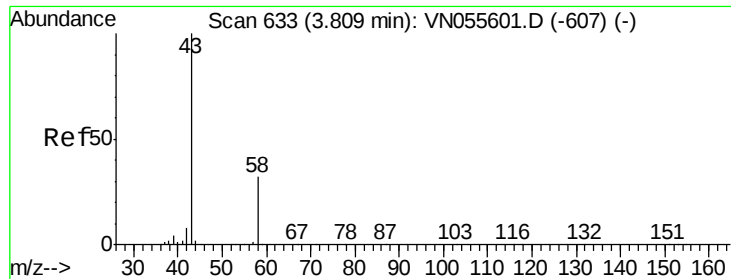
400

200

0

Time--> 4.70 4.75 4.80 4.85





#16

Acetone

Concen: 5.102 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

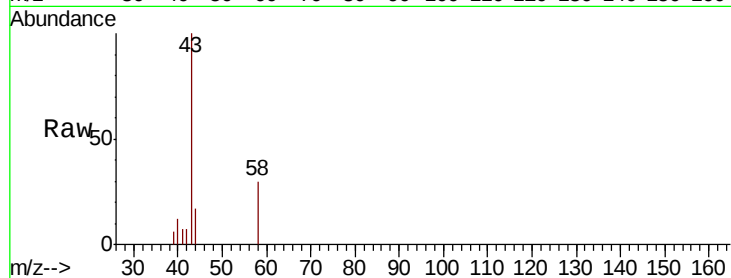
ClientSampleId :

Tot Ion: 43 Resp: 9466

Ion Ratio Lower Upper

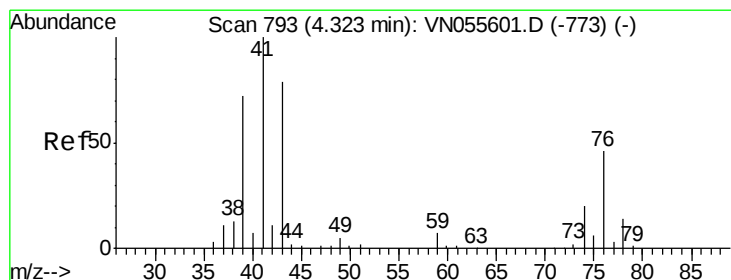
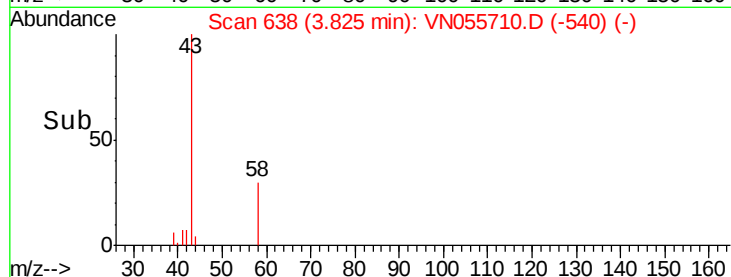
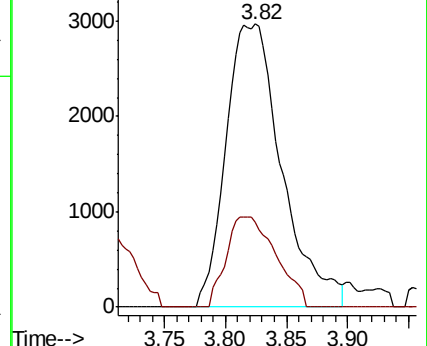
43 100

58 30.0 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.039 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055710.D

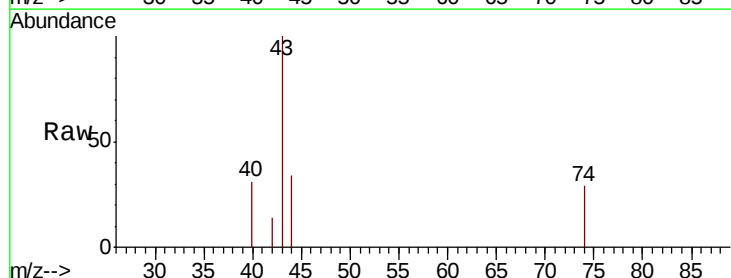
Acq: 21 May 2019 15:30

Tgt Ion: 43 Resp: 4133

Ion Ratio Lower Upper

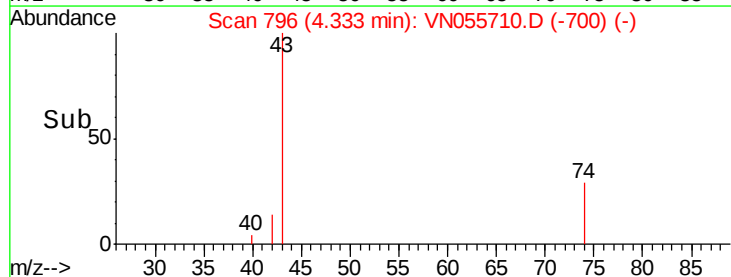
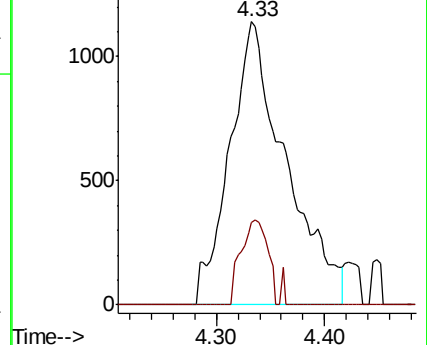
43 100

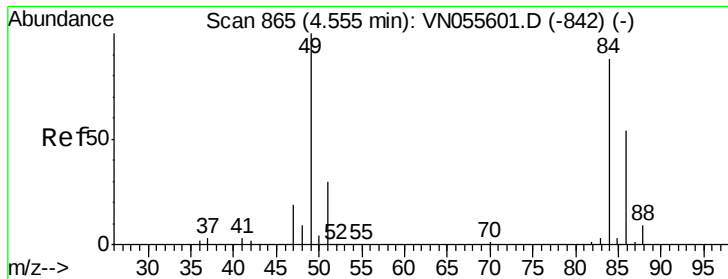
74 14.3 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 0.942 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 84 Resp: 3988

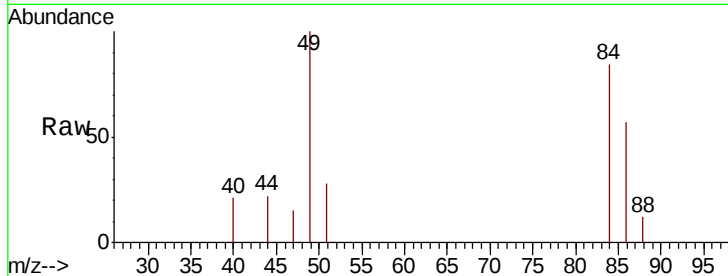
Ion Ratio Lower Upper

84 100

49 119.2 91.0 136.4

51 33.0 27.5 41.3

86 67.8 49.4 74.0

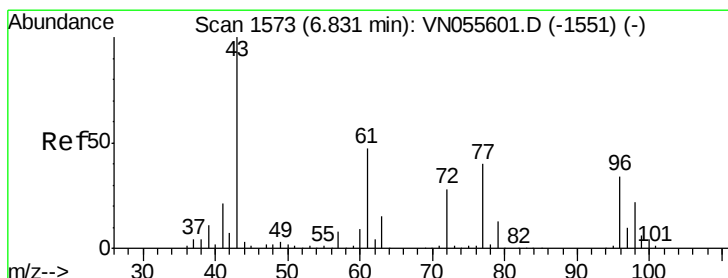
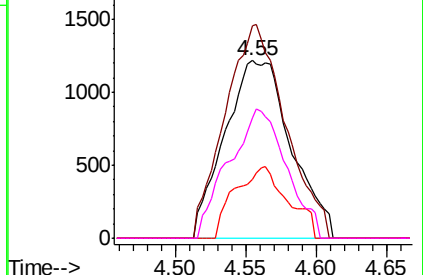
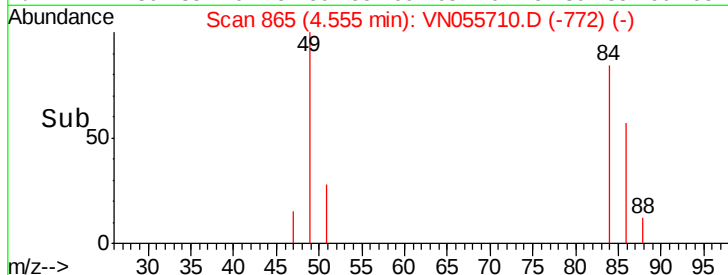


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 3.533 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN055710.D

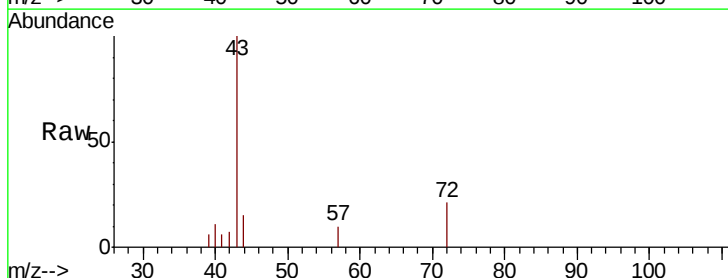
Acq: 21 May 2019 15:30

Tgt Ion: 43 Resp: 9164

Ion Ratio Lower Upper

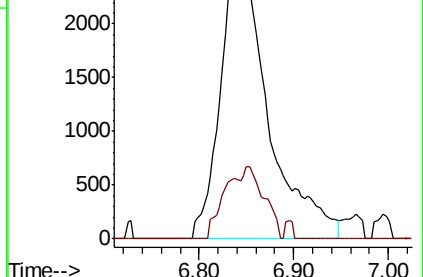
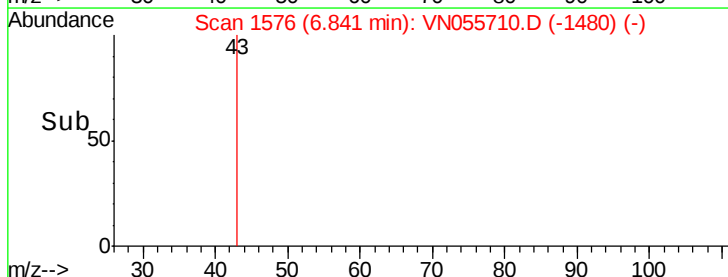
43 100

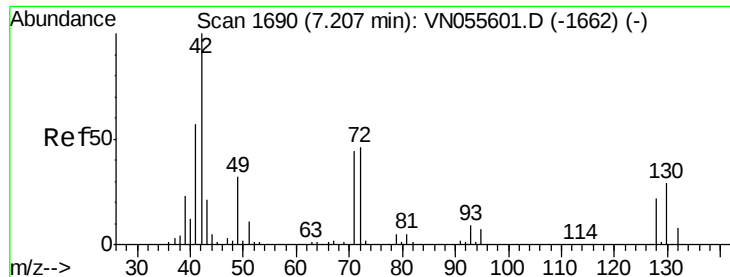
72 21.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.860 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.02 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

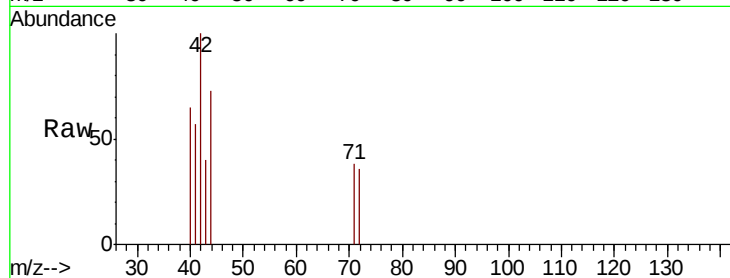
Tot Ion: 42 Resp: 1478

Ion Ratio Lower Upper

42 100

72 20.0 36.5 54.7#

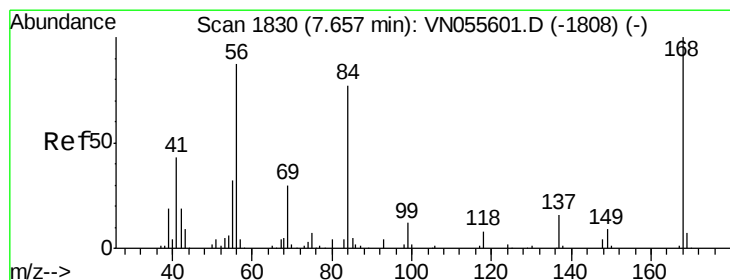
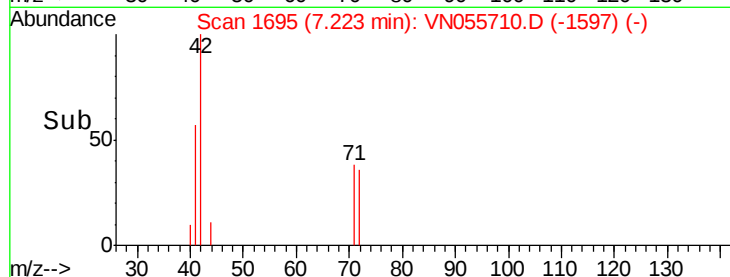
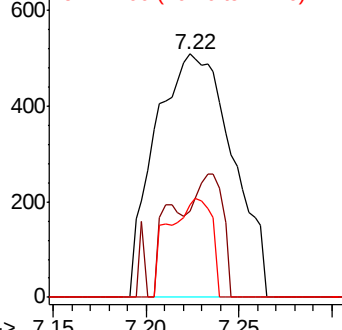
71 22.7 34.9 52.3#



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



#31

Cyclohexane

Concen: 0.835 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

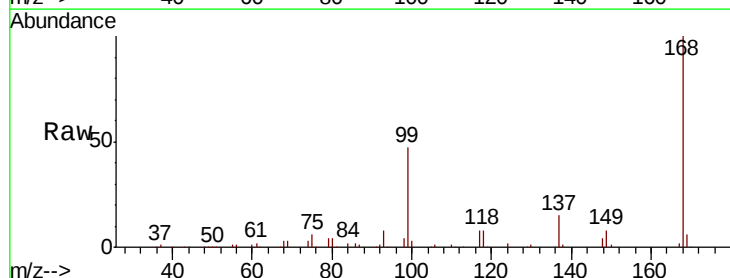
Tgt Ion: 56 Resp: 5630

Ion Ratio Lower Upper

56 100

69 177.8 27.2 40.8#

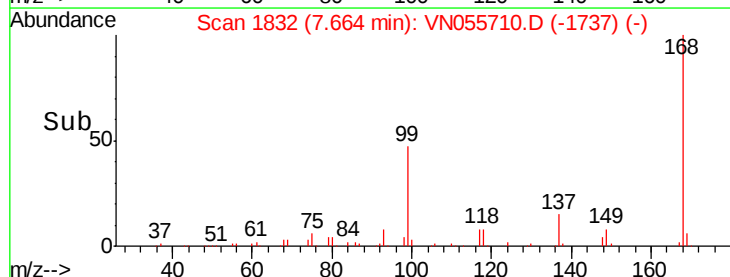
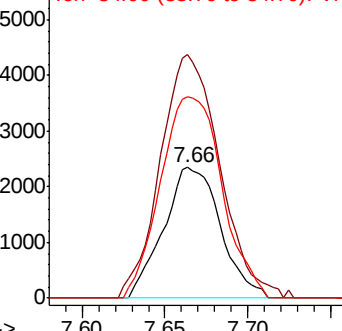
84 154.0 71.3 106.9#

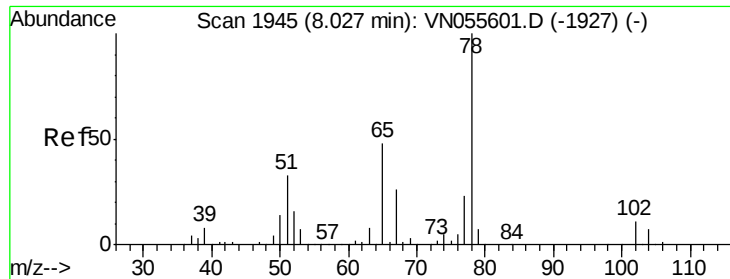


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

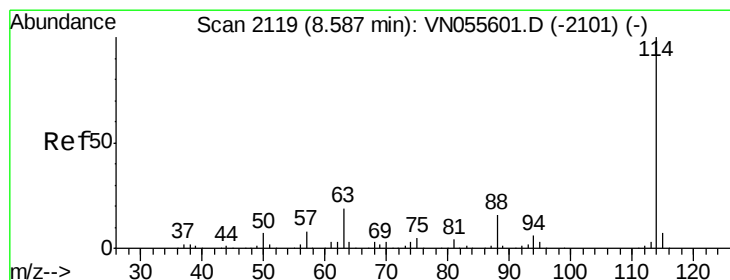
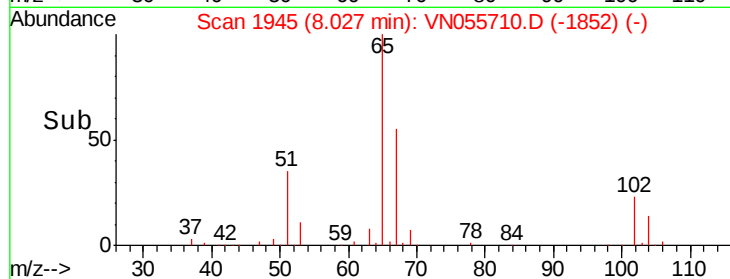
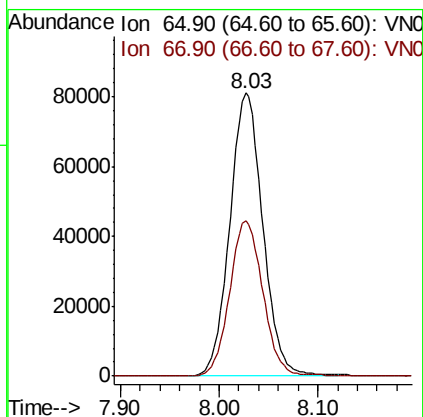
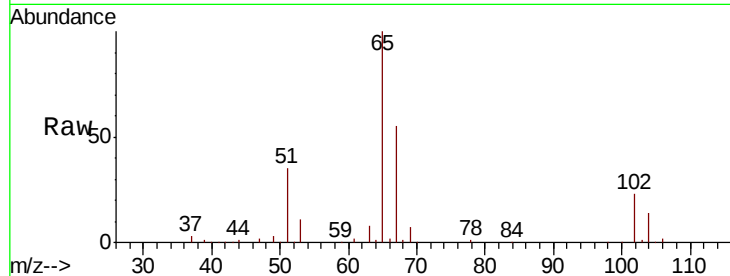




#33
 1,2-Dichloroethane-d4
 Concen: 41.612 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055710.D
 Acq: 21 May 2019 15:30

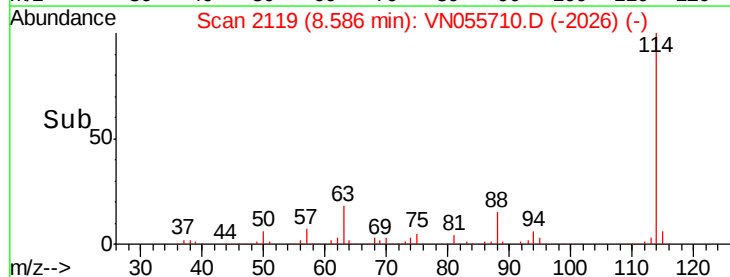
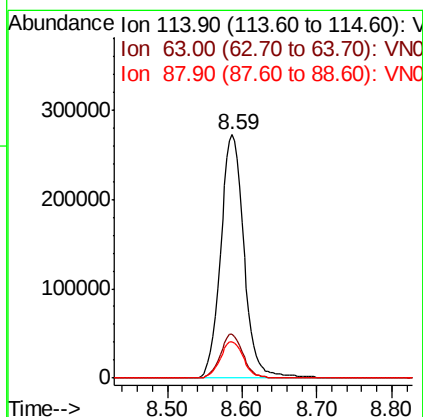
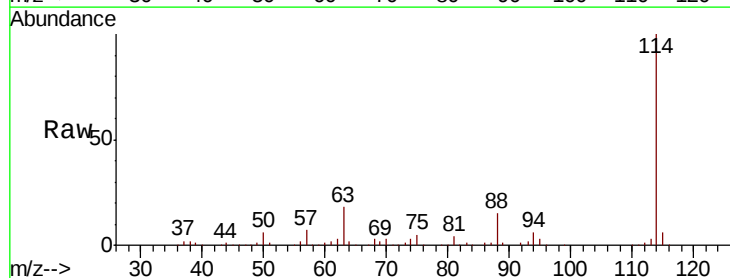
Instrument :
 MSVOA_N
 ClientSampled :

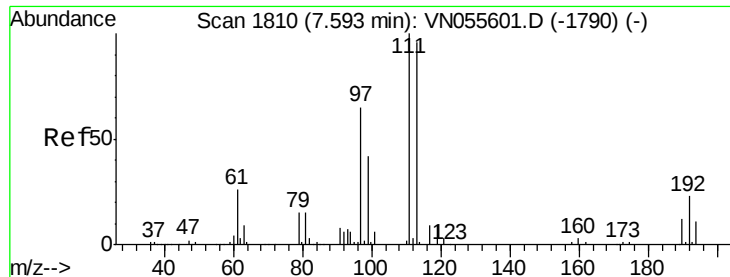
Tot Ion: 65 Resp: 189180
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055710.D
 Acq: 21 May 2019 15:30

Tgt Ion: 114 Resp: 586344
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.2
 88 15.0 0.0 31.0

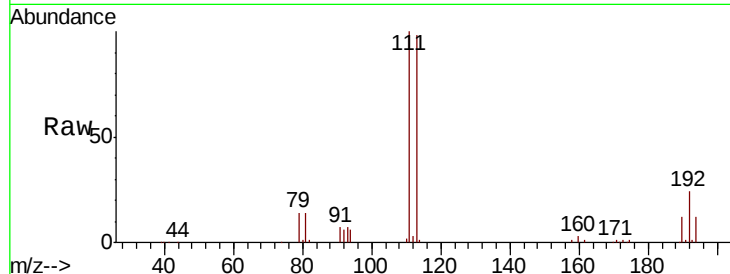




#35
 Dibromofluoromethane
 Concen: 47.948 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055710.D
 Acq: 21 May 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.5	123.7
192	23.9	18.7	28.1

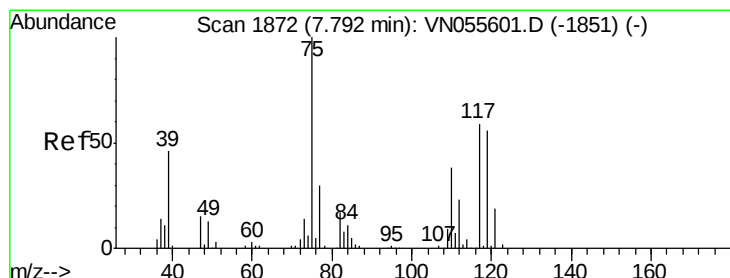
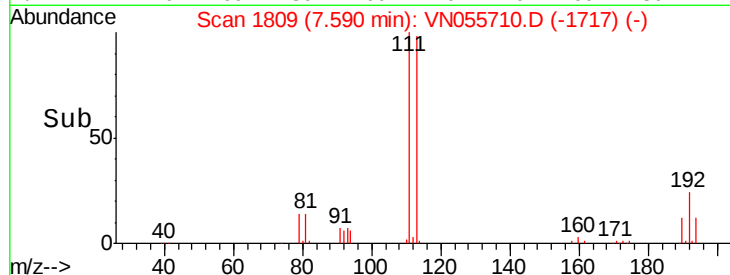
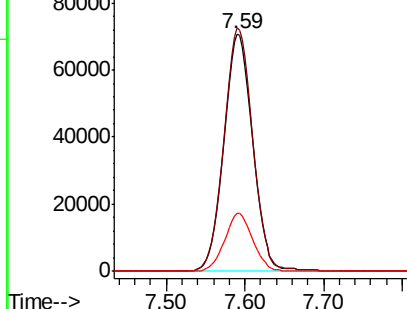


Abundance

Ion 112.80 (112.50 to 113.50): V

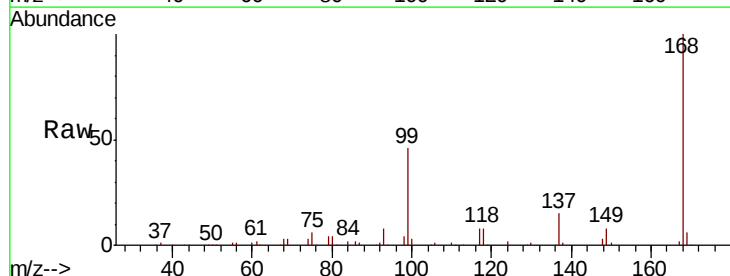
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.513 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055710.D
 Acq: 21 May 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.6	55.6#
77	0.0	24.9	37.3#

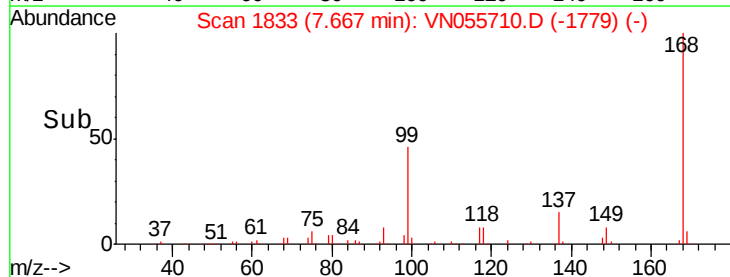
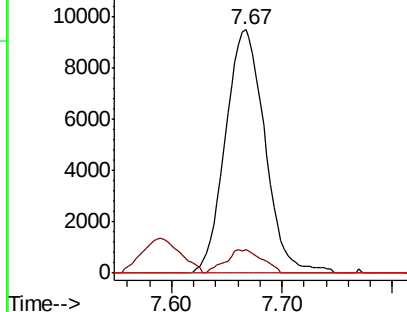


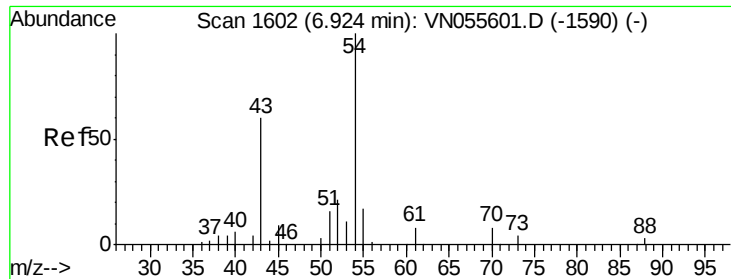
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

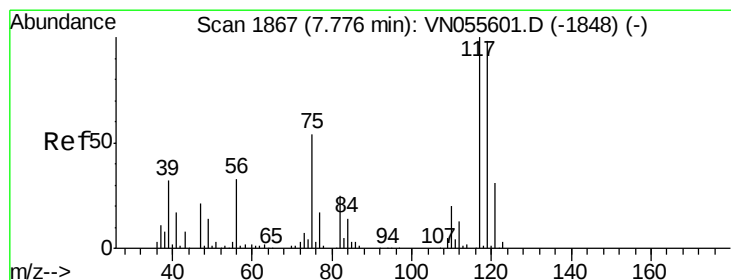
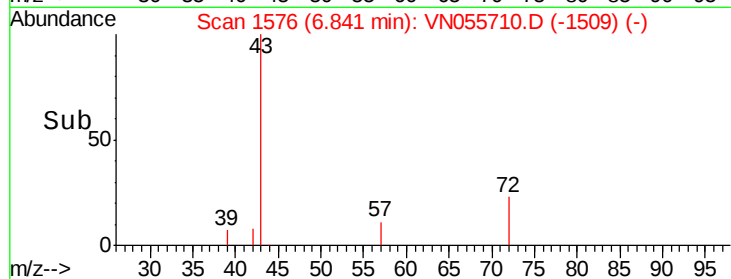
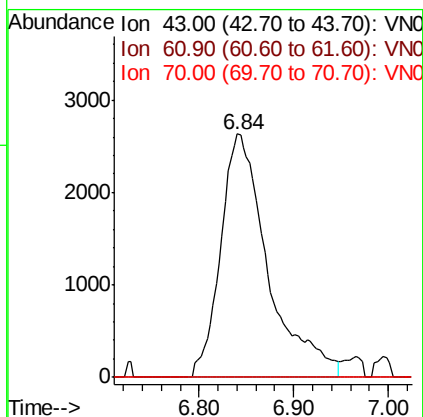
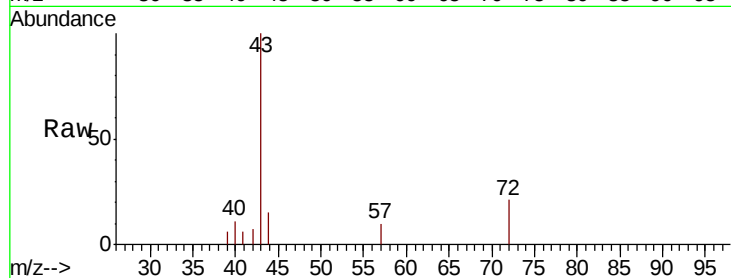




#37
Ethyl Acetate
Concen: 1.943 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.08 min
Lab File: VN055710.D
Acq: 21 May 2019 15:30

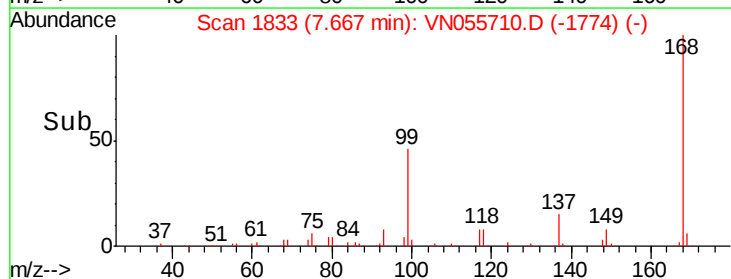
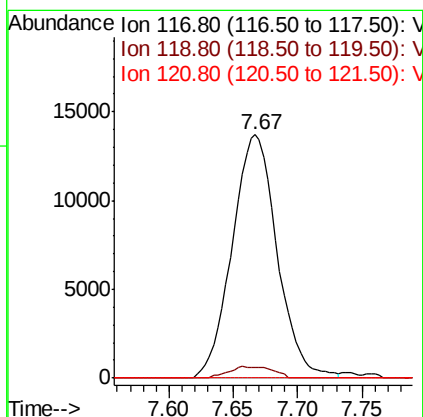
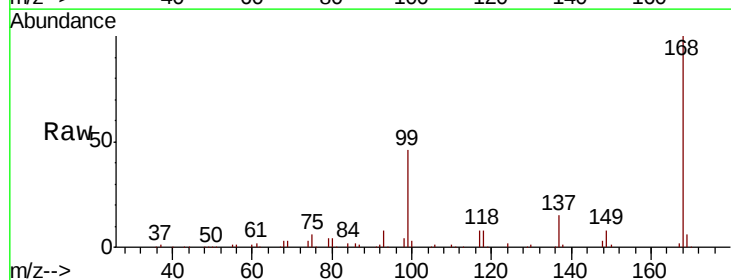
Instrument :
MSVOA_N
ClientSampleId :

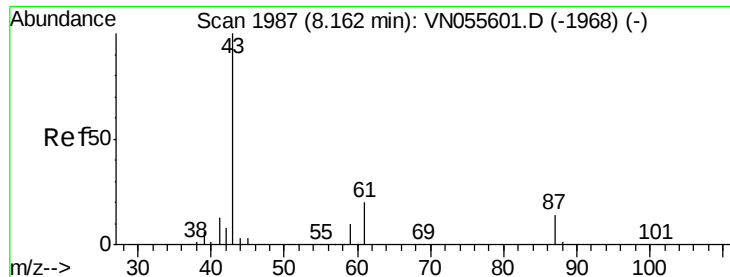
Tot Ion: 43 Resp: 9164
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 5.960 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055710.D
Acq: 21 May 2019 15:30

Tgt Ion: 117 Resp: 33295
Ion Ratio Lower Upper
117 100
119 4.1 77.8 116.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 8.647 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

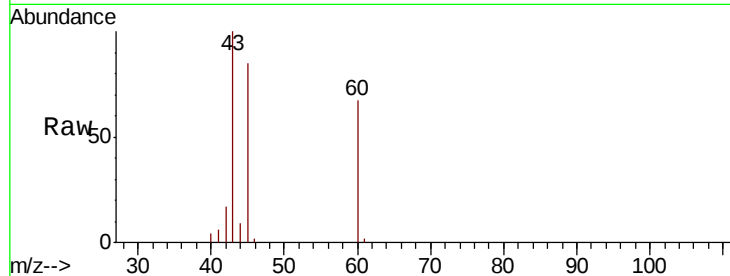
Tot Ion: 43 Resp: 70956

Ion Ratio Lower Upper

43 100

61 0.0 22.1 33.1#

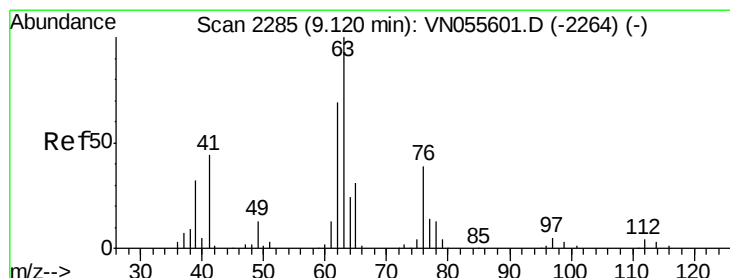
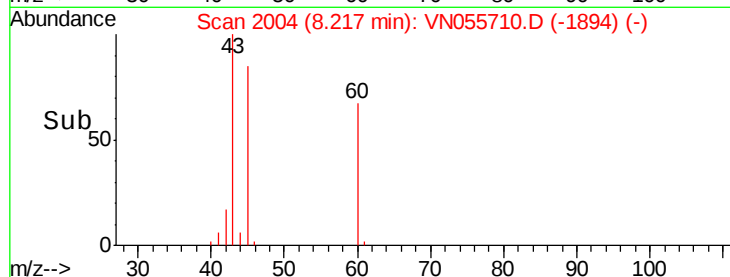
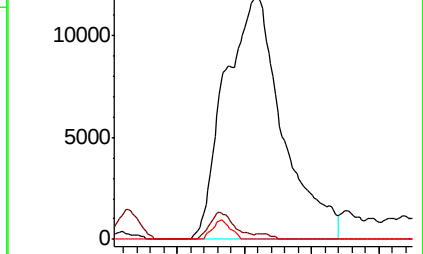
87 0.0 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VN055710.D (-2004) (-)

Ion 61.00 (60.70 to 61.70): VN055710.D (-2004) (-)

Ion 87.00 (86.70 to 87.70): VN055710.D (-2004) (-)



#45

1,2-Dichloropropane

Concen: 0.359 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN055710.D

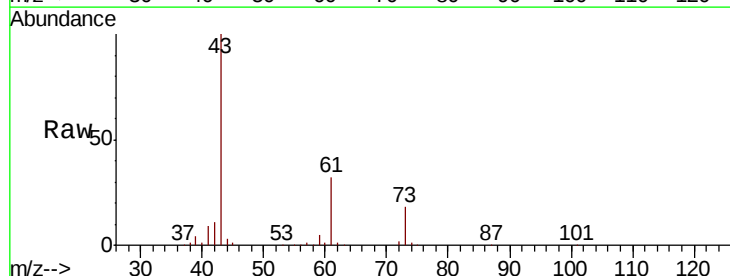
Acq: 21 May 2019 15:30

Tgt Ion: 63 Resp: 1454

Ion Ratio Lower Upper

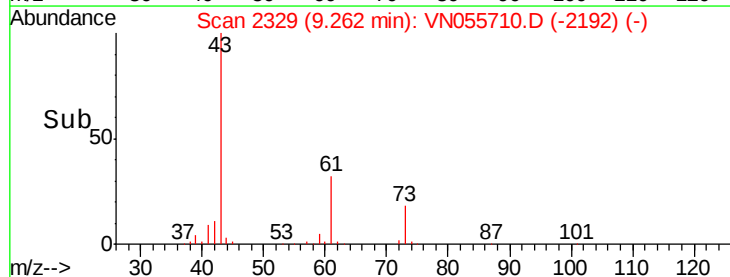
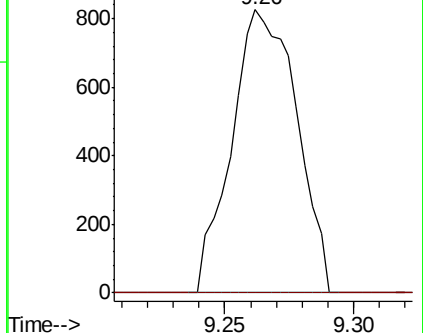
63 100

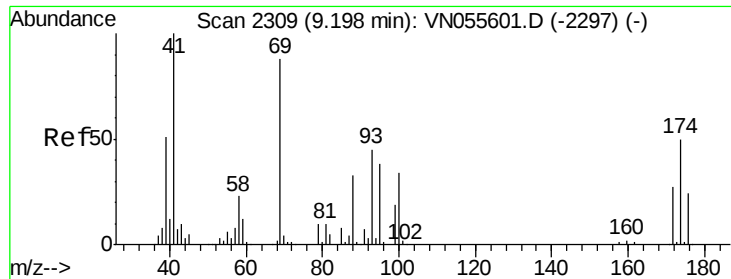
65 0.0 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VN055710.D (-2329) (-)

Ion 64.90 (64.60 to 65.60): VN055710.D (-2329) (-)

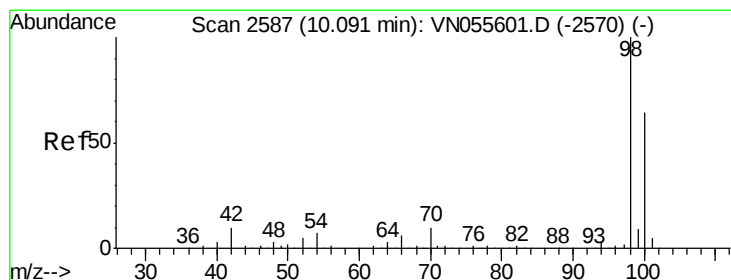
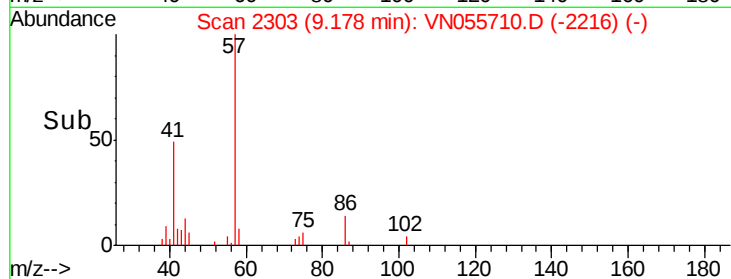
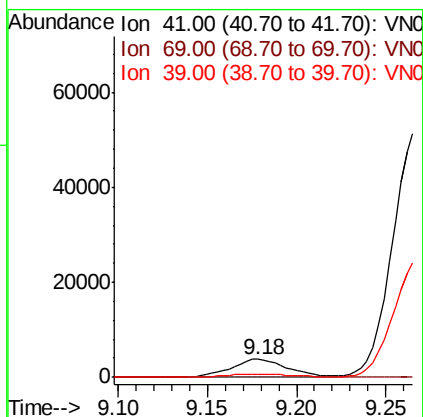
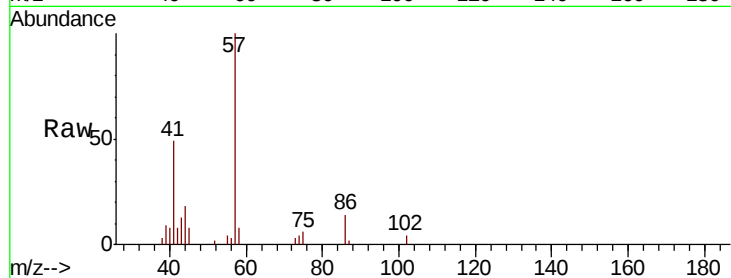




#48
Methvl methacrylate
Concen: 2.325 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN055710.D
Acq: 21 May 2019 15:30

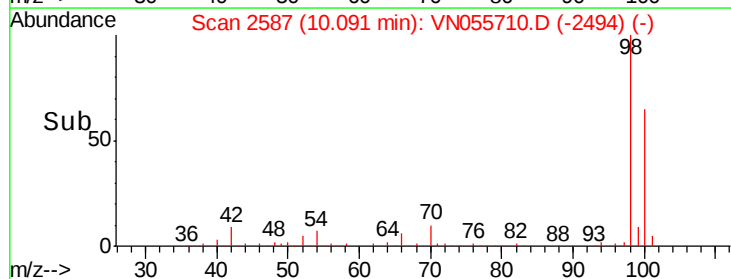
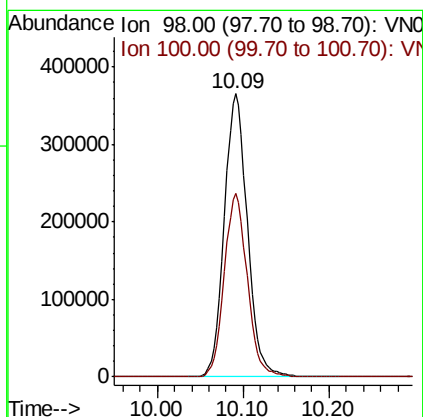
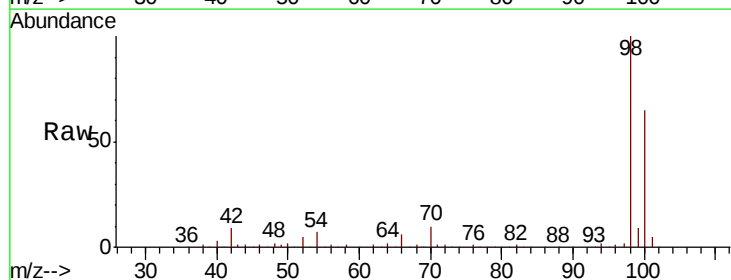
Instrument :
MSVOA_N
ClientSampled :

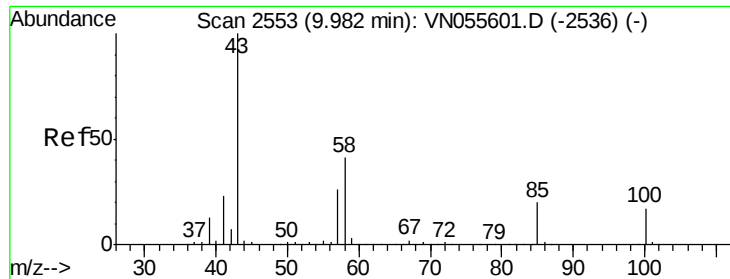
Tot Ion: 41 Resp: 8528
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.2#
39 20.1 43.8 65.8#



#50
Toluene-d8
Concen: 48.487 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055710.D
Acq: 21 May 2019 15:30

Tgt Ion: 98 Resp: 682868
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 0.695 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

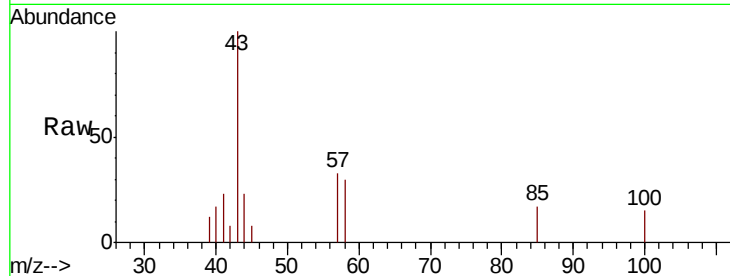
ClientSampled :

Tot Ion: 43 Resp: 3346

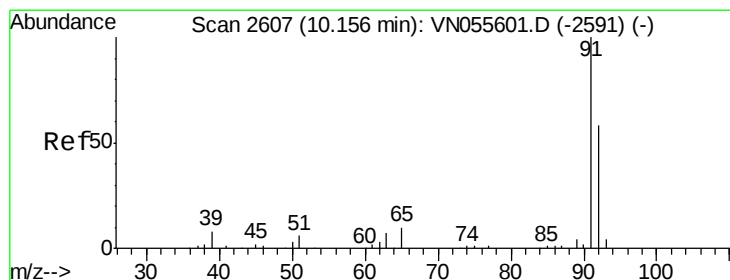
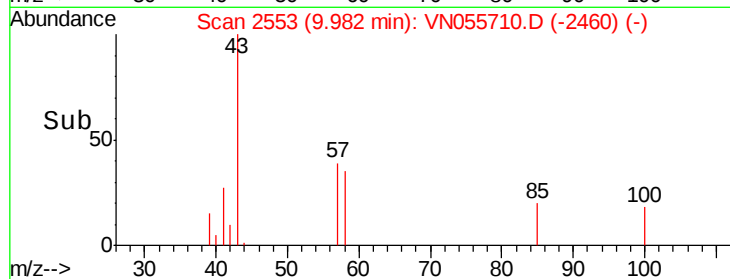
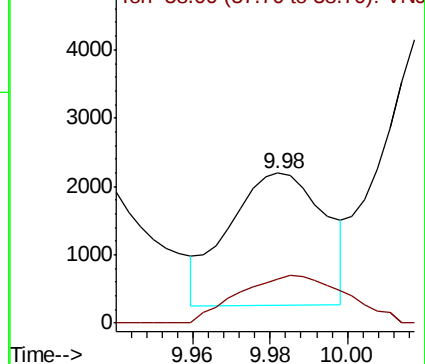
Ion Ratio Lower Upper

43 100

58 40.5 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055710.D (-2460) (-)



#52

Toluene

Concen: 0.242 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055710.D

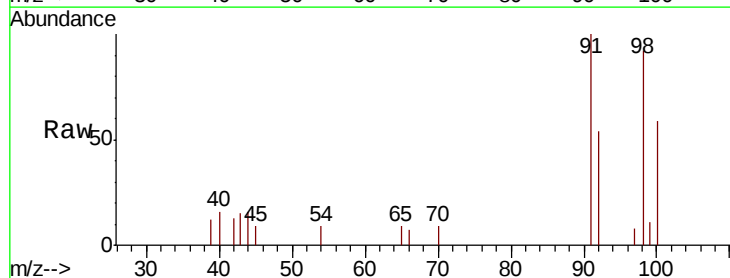
Acq: 21 May 2019 15:30

Tgt Ion: 92 Resp: 2337

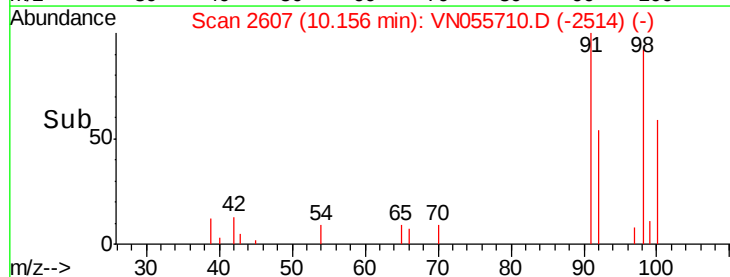
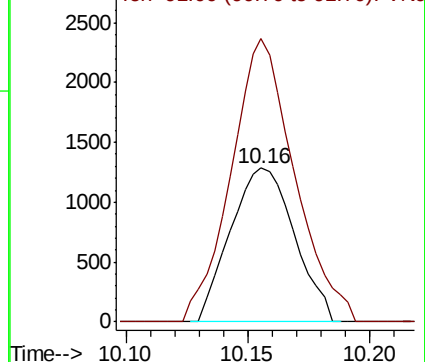
Ion Ratio Lower Upper

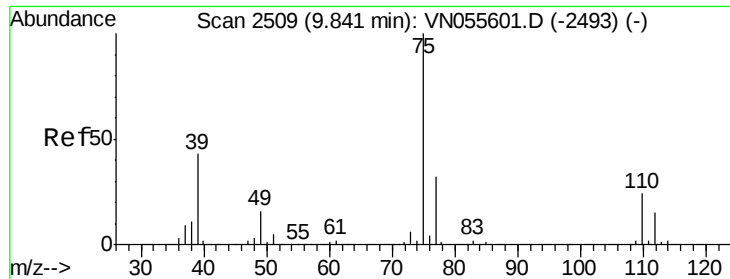
92 100

91 182.5 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055710.D (-2514) (-)



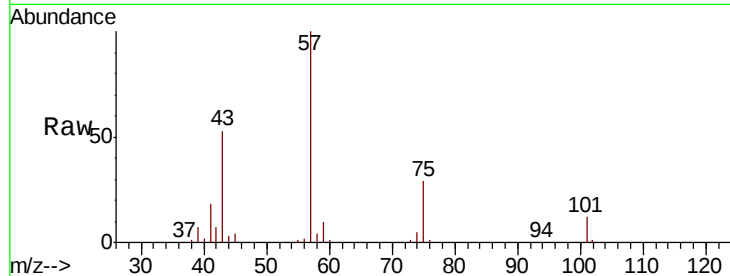


#54

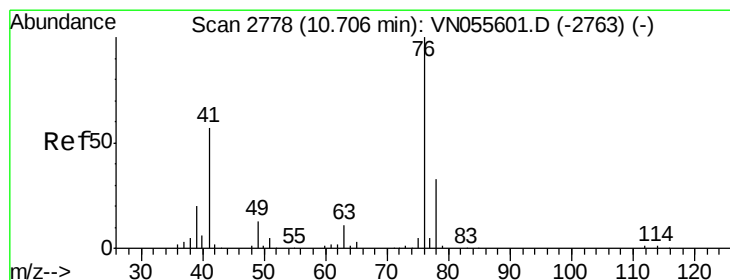
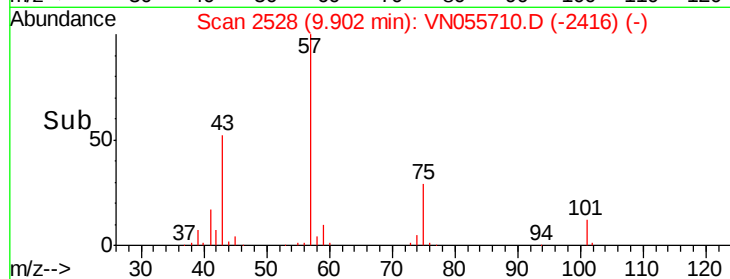
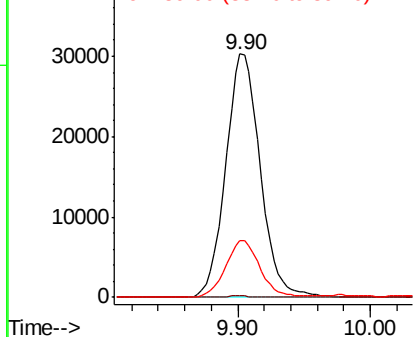
cis-1,3-Dichloropropene
 Concen: 8.351 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.06 min
 Lab File: VN055710.D
 Acq: 21 May 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 54711
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 23.4 34.7 52.1#



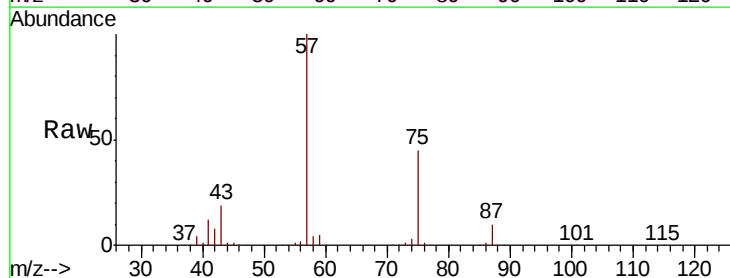
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



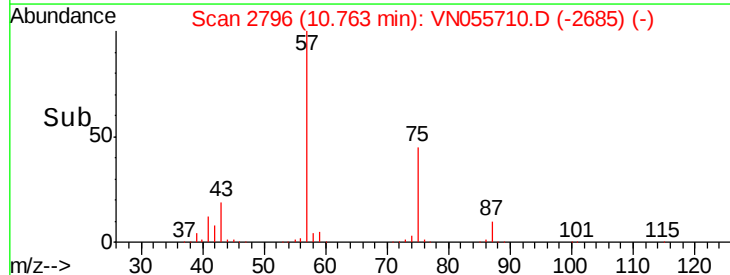
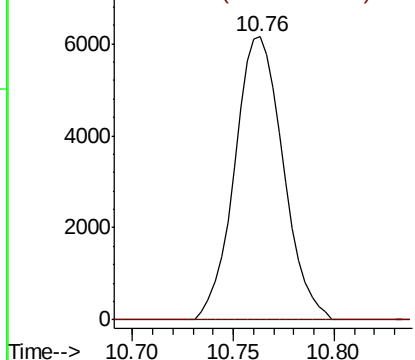
#57

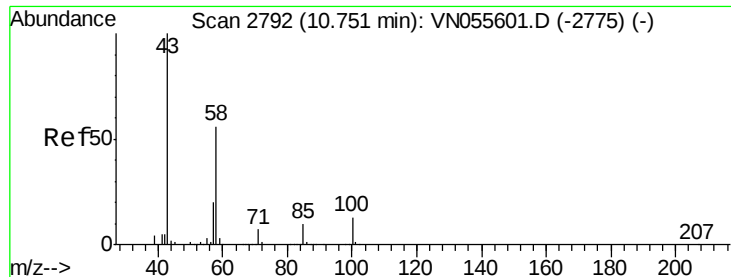
1,3-Dichloropropane
 Concen: 1.646 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055710.D
 Acq: 21 May 2019 15:30

Tgt Ion: 76 Resp: 10352
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.5 39.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

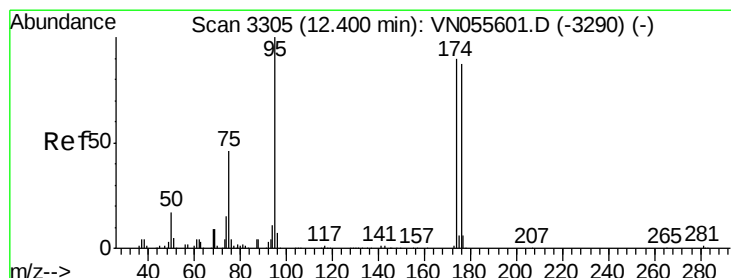
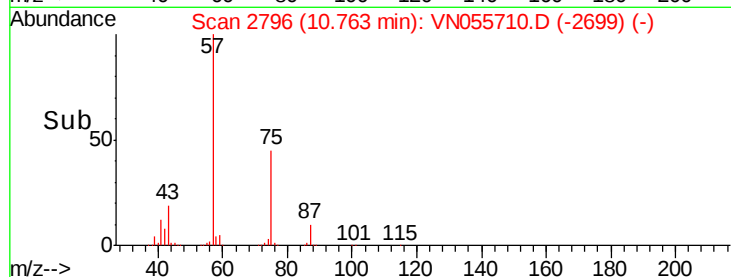
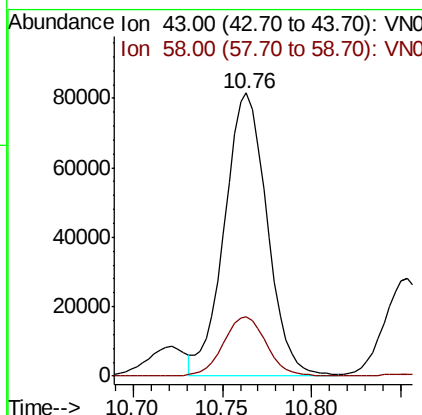
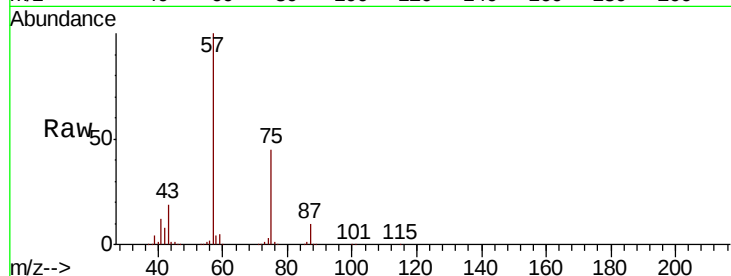




#59
2-Hexanone
Concen: 39.755 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055710.D
Acq: 21 May 2019 15:30

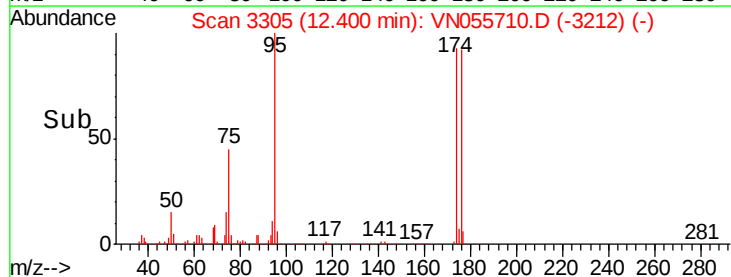
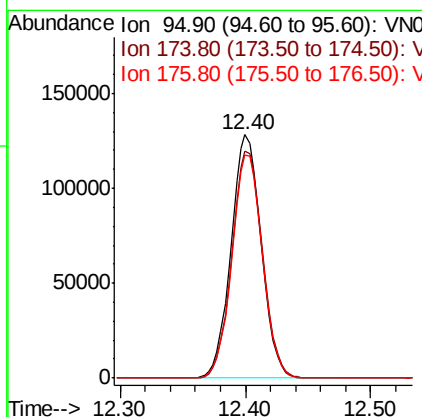
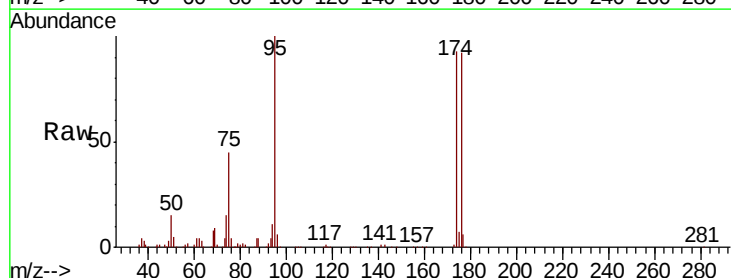
Instrument :
MSVOA_N
ClientSampleId :

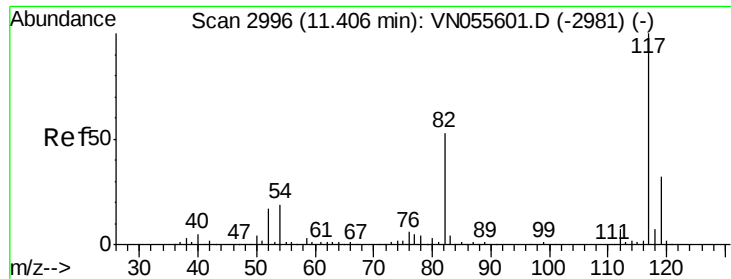
Tot Ion: 43 Resp: 134723
Ion Ratio Lower Upper
43 100
58 21.2 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 43.873 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055710.D
Acq: 21 May 2019 15:30

Tgt Ion: 95 Resp: 213366
Ion Ratio Lower Upper
95 100
174 95.1 0.0 180.6
176 92.6 0.0 177.4

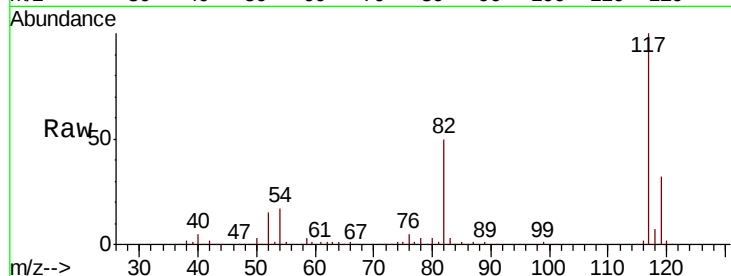




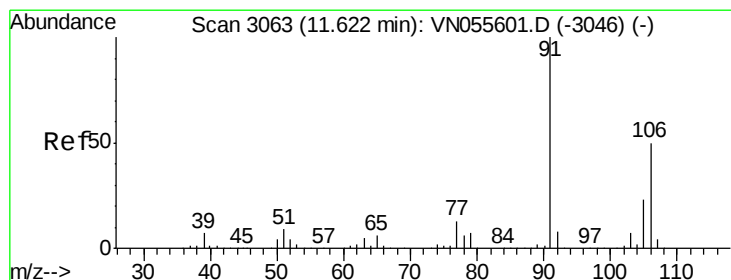
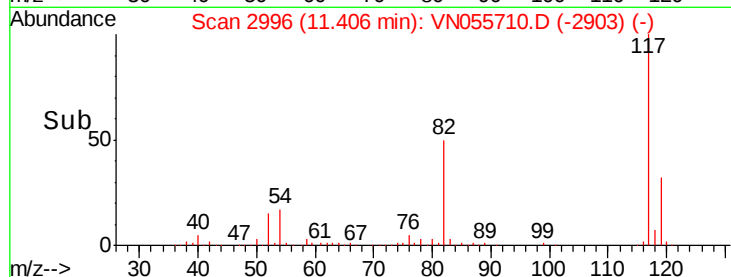
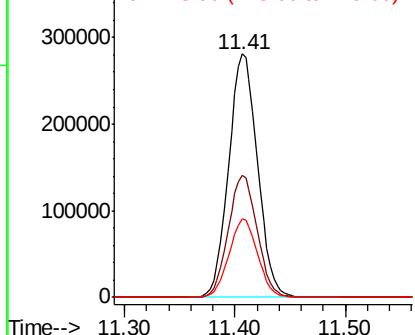
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055710.D
Acq: 21 May 2019 15:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 508035
Ion Ratio Lower Upper
117 100
82 50.2 42.3 63.5
119 32.0 25.4 38.2

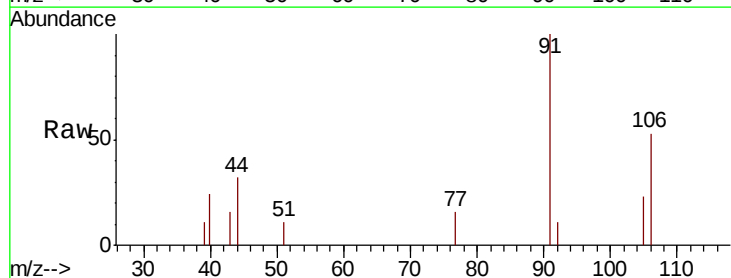


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

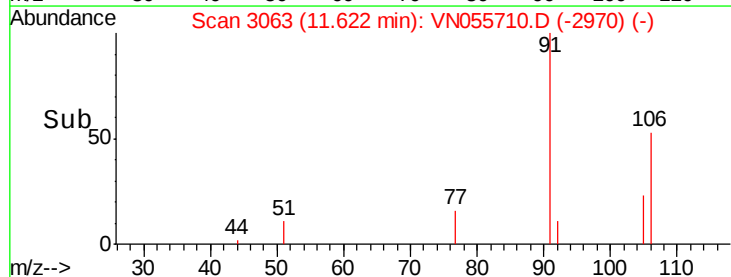
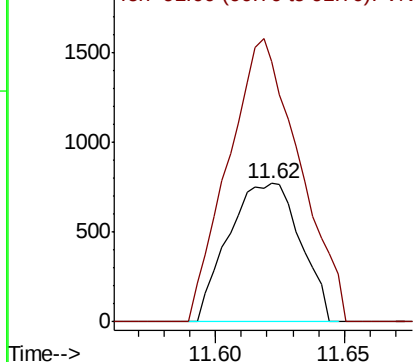


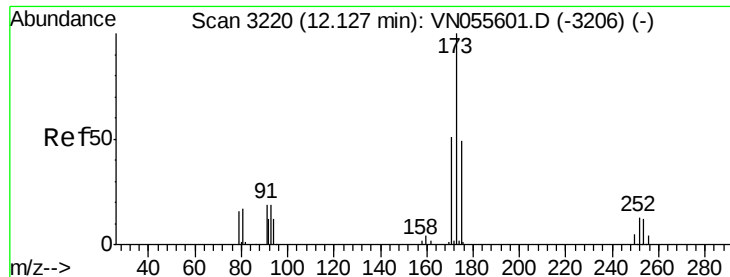
#68
m/p-Xylenes
Concen: 0.218 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055710.D
Acq: 21 May 2019 15:30

Tgt Ion:106 Resp: 1504
Ion Ratio Lower Upper
106 100
91 202.3 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.429 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

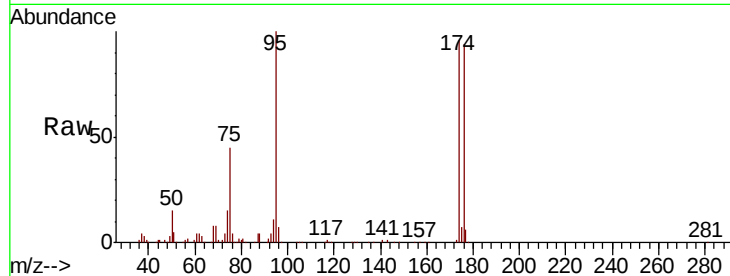
Tot Ion:173 Resp: 1502

Ion Ratio Lower Upper

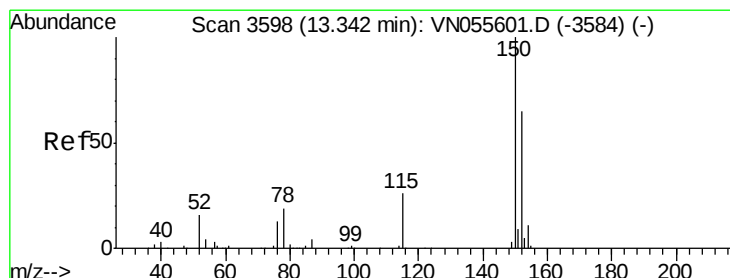
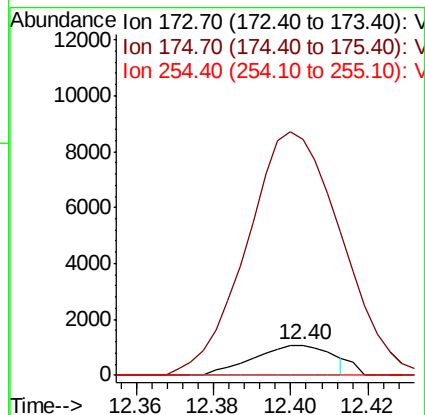
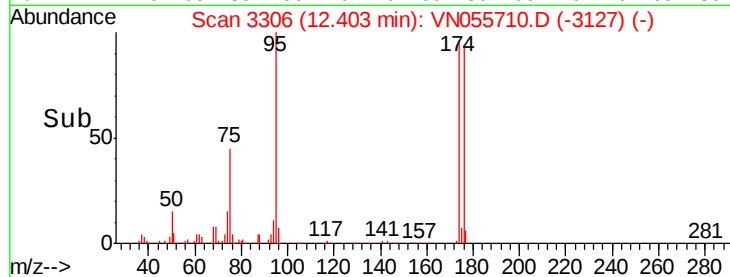
173 100

175 864.0 24.3 72.9#

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

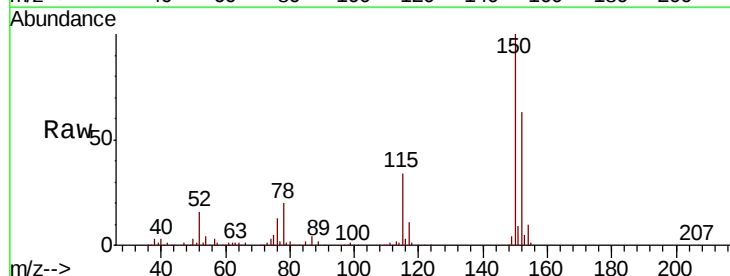
Tgt Ion:152 Resp: 178676

Ion Ratio Lower Upper

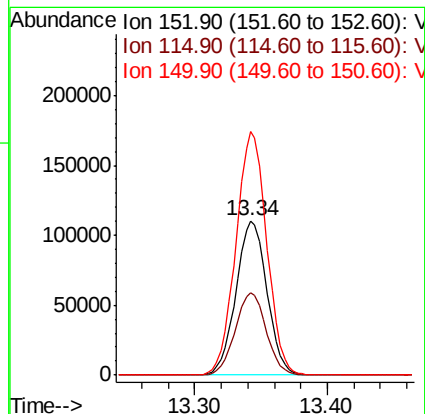
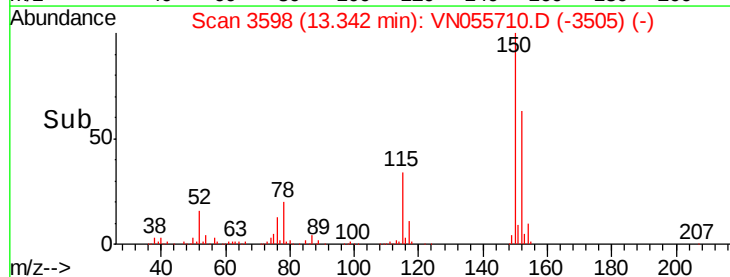
152 100

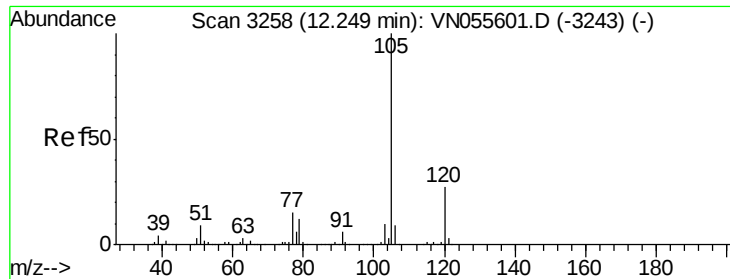
115 53.3 28.1 84.2

150 156.7 0.0 348.0



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: Below Cal

RT: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

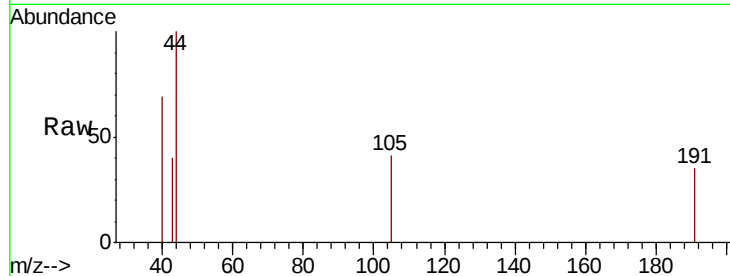
ClientSampleId :

Tot Ion: 105 Resp: 71

Ion Ratio Lower Upper

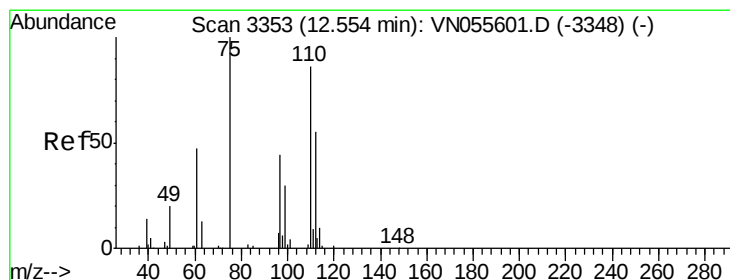
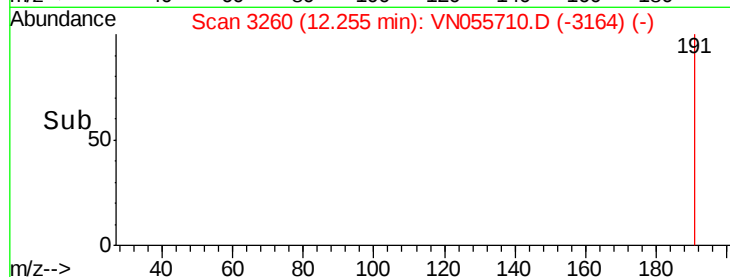
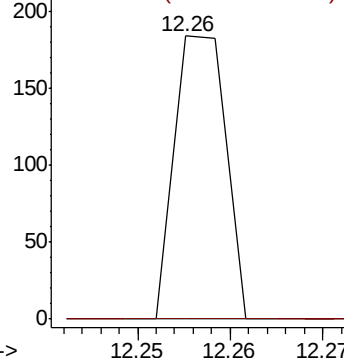
105 100

120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 26.285 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055710.D

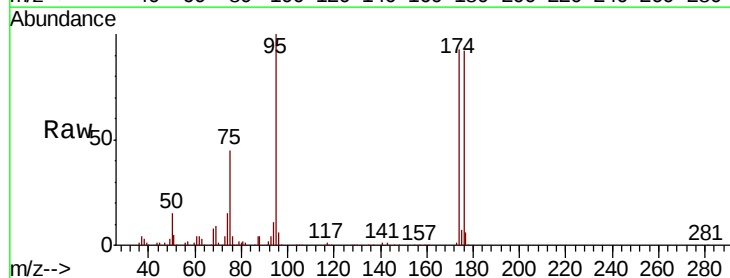
Acq: 21 May 2019 15:30

Tgt Ion: 75 Resp: 95834

Ion Ratio Lower Upper

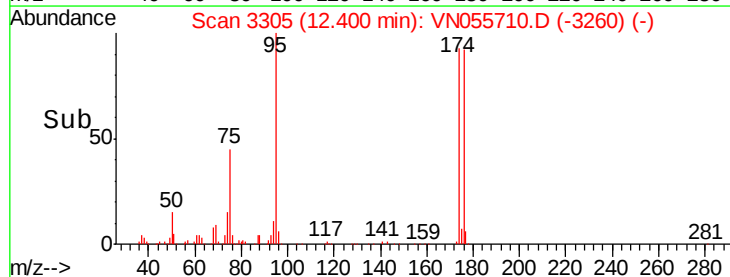
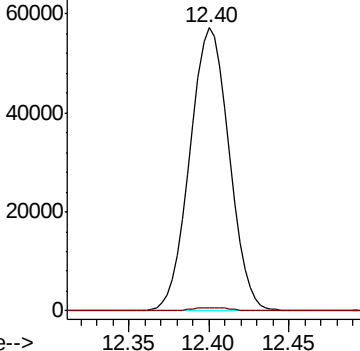
75 100

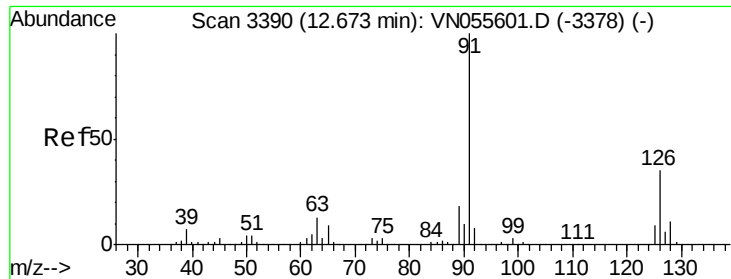
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

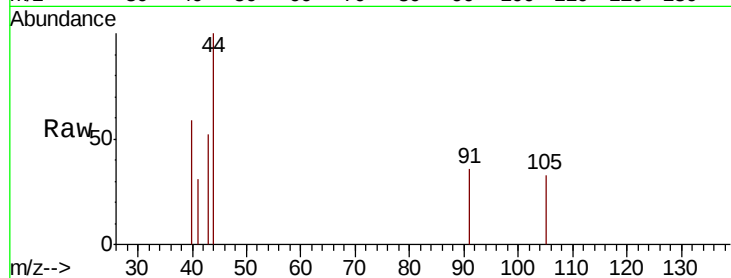
ClientSampleId :

Tot Ion: 91 Resp: 94

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055710.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055710.D (-3378) (-)

12.67

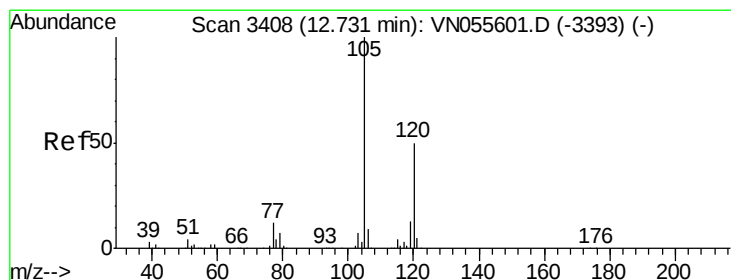
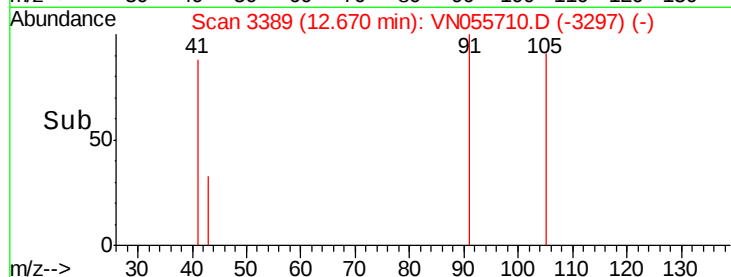
150

100

50

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055710.D

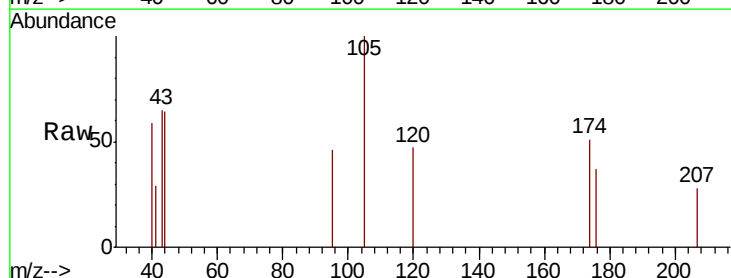
Acq: 21 May 2019 15:30

Tgt Ion: 105 Resp: 911

Ion Ratio Lower Upper

105 100

120 38.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055710.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055710.D (-3393) (-)

12.73

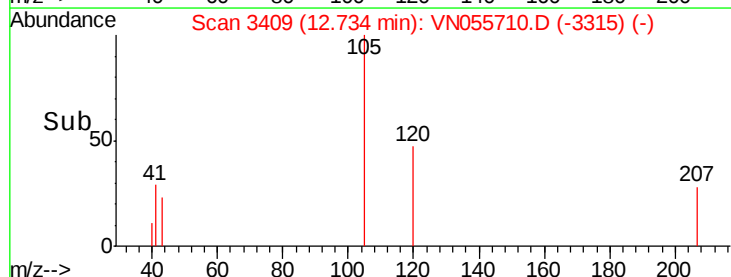
600

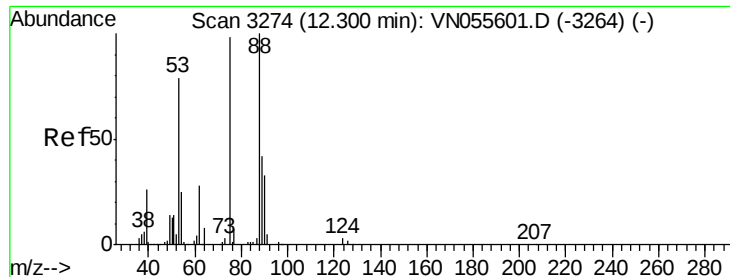
400

200

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 67.569 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

ClientSampled :

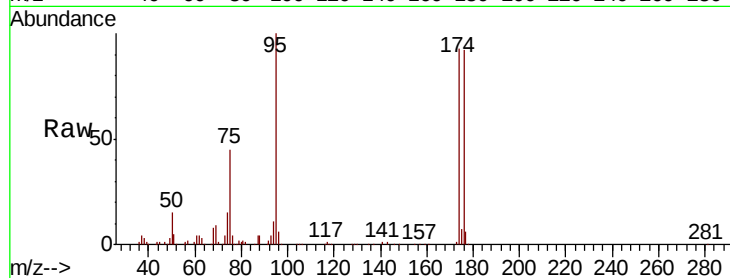
Tot Ion: 75 Resp: 95834

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

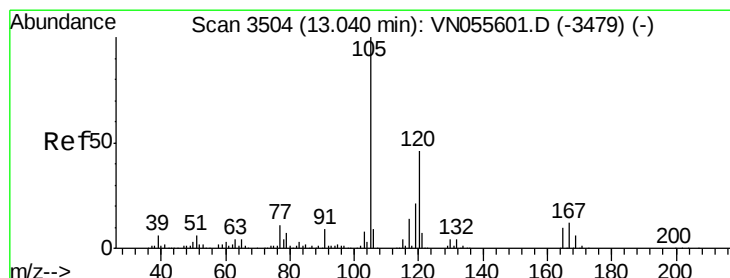
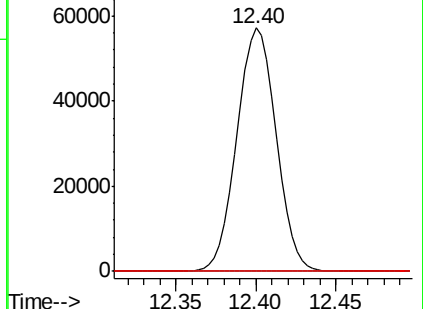
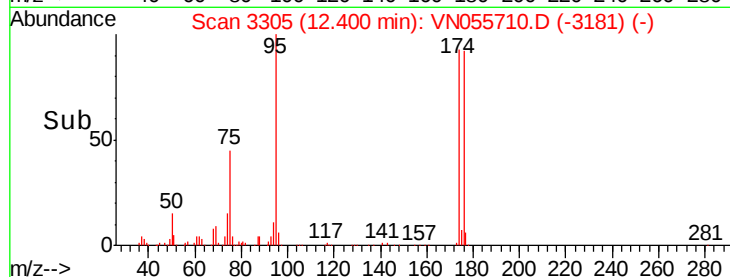
89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VN055710.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055710.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055710.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055710.D

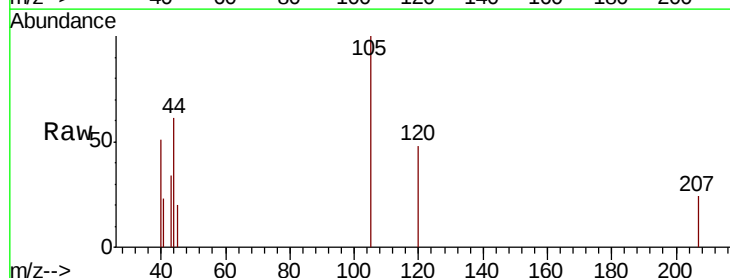
Acq: 21 May 2019 15:30

Tgt Ion: 105 Resp: 1158

Ion Ratio Lower Upper

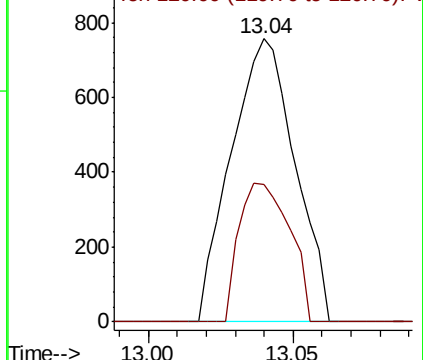
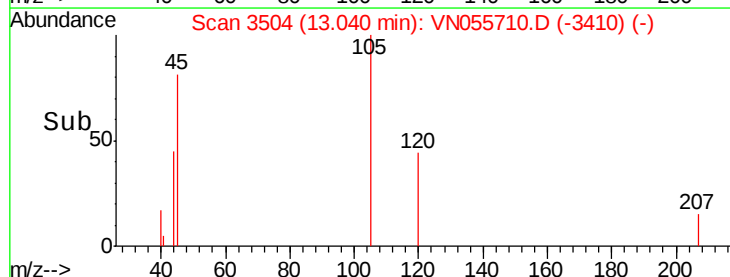
105 100

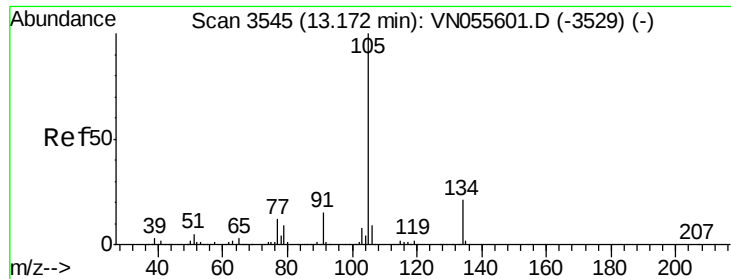
120 38.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): VN055710.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN055710.D (-3410) (-)





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

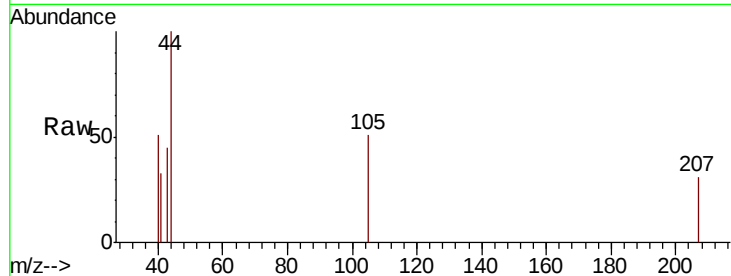
ClientSampled :

Tot Ion:105 Resp: 240

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250

200

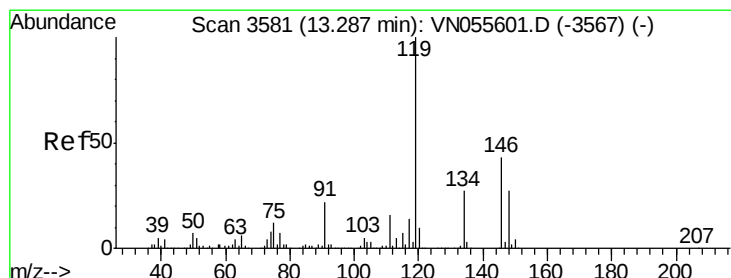
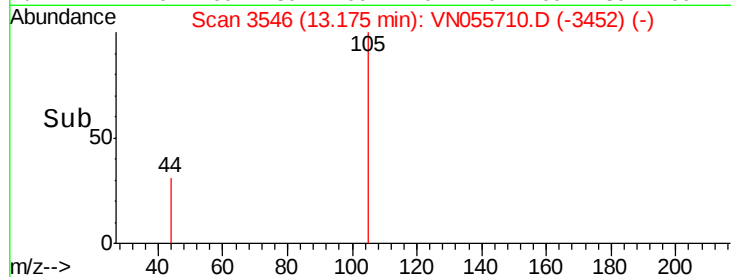
150

100

50

0

Time-->



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

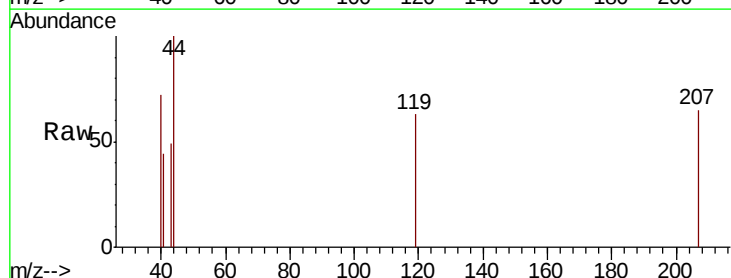
Tgt Ion:119 Resp: 317

Ion Ratio Lower Upper

119 100

134 0.0 13.4 40.2#

91 0.0 11.0 33.0#



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

400

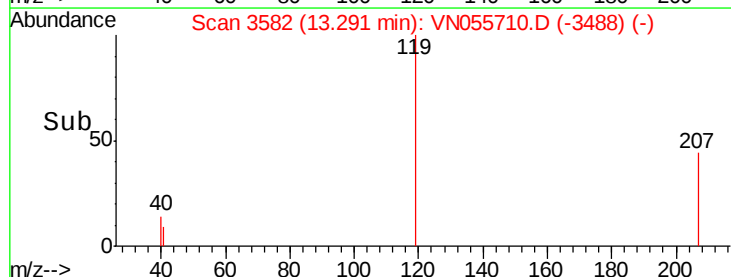
300

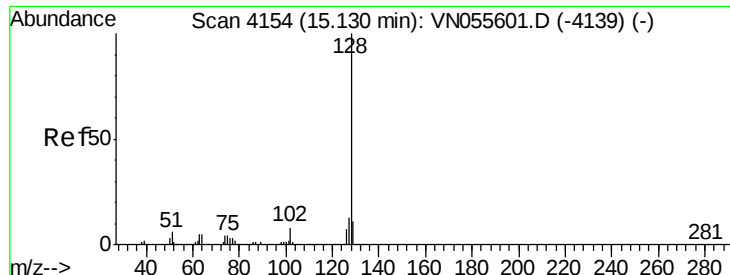
200

100

0

Time-->





#95

Naphthalene

Concen: 1.834 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055710.D

Acq: 21 May 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

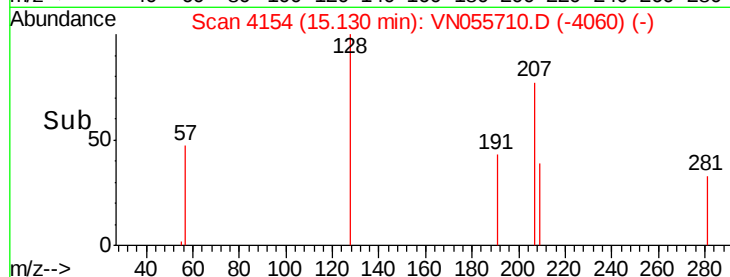
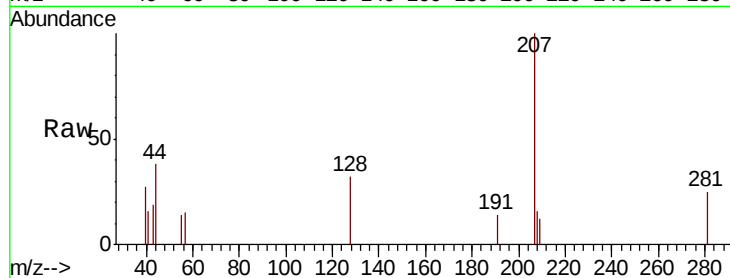
Tot Ion:128 Resp: 668

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#



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

