

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055705.D
 Acq On : 21 May 2019 13:29
 Operator : JC/SP
 Sample : PB119915TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 05:11:30 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	429021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	577245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168098	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	182474	38.80	ug/l	0.00
Spiked Amount			Recovery	=	77.60%	
35) Dibromofluoromethane	7.59	113	177530	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	10.09	98	663395	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.40	95	202613	42.32	ug/l	0.00
Spiked Amount			Recovery	=	84.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	1175	1.340	ug/l #	74
13) Acrolein	3.63	56	30	1.429	ug/l #	14
16) Acetone	3.82	43	7544	3.931	ug/l	100
18) Methyl Acetate	4.34	43	2863	0.696	ug/l #	68
20) Methylene Chloride	4.55	84	3917	0.894	ug/l	94
25) 2-Butanone	6.85	43	7609	2.835	ug/l #	80
29) Tetrahydrofuran	7.22	42	1463	0.823	ug/l #	74
31) Cyclohexane	7.67	56	5809	0.833	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22738	4.418	ug/l #	49
37) Ethyl Acetate	6.85	43	7609	1.638	ug/l #	67
38) Carbon Tetrachloride	7.67	117	32594	5.927	ug/l #	15
41) Methacrylonitrile	7.22	41	1169	0.589	ug/l #	100
43) Isopropyl Acetate	8.16	43	13425	1.662	ug/l #	92
45) 1,2-Dichloropropane	9.27	63	1530	0.384	ug/l #	43
48) Methyl methacrylate	9.18	41	7760	2.149	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	3757	0.793	ug/l #	73
54) cis-1,3-Dichloropropene	9.90	75	58373	9.050	ug/l #	56
57) 1,3-Dichloropropane	10.76	76	11247	1.817	ug/l #	42
59) 2-Hexanone	10.76	43	140472	42.105	ug/l #	52
71) Bromoform	12.40	173	1457	0.426	ug/l #	1
73) Isopropylbenzene	12.25	105	944	Below Cal	#	69
74) N-amyl acetate	12.02	43	1191	0.252	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.50	83	72	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	91052	26.545	ug/l #	100
79) 2-Chlorotoluene	12.78	91	1226	Below Cal		99
80) 1,3,5-Trimethylbenzene	12.73	105	4863	Below Cal		98
81) trans-1,4-Dichloro-2-buten	12.40	75	91052	68.237	ug/l #	17
83) tert-Butylbenzene	12.99	119	826	Below Cal	#	79
84) 1,2,4-Trimethylbenzene	13.04	105	1431	Below Cal		89
85) sec-Butylbenzene	13.17	105	1649	Below Cal		87
86) p-Isopropyltoluene	13.28	119	1643	Below Cal		92
89) n-Butylbenzene	13.61	91	2017	0.219	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	1462	0.505	ug/l	90
94) Hexachlorobutadiene	15.00	225	691	Below Cal		82

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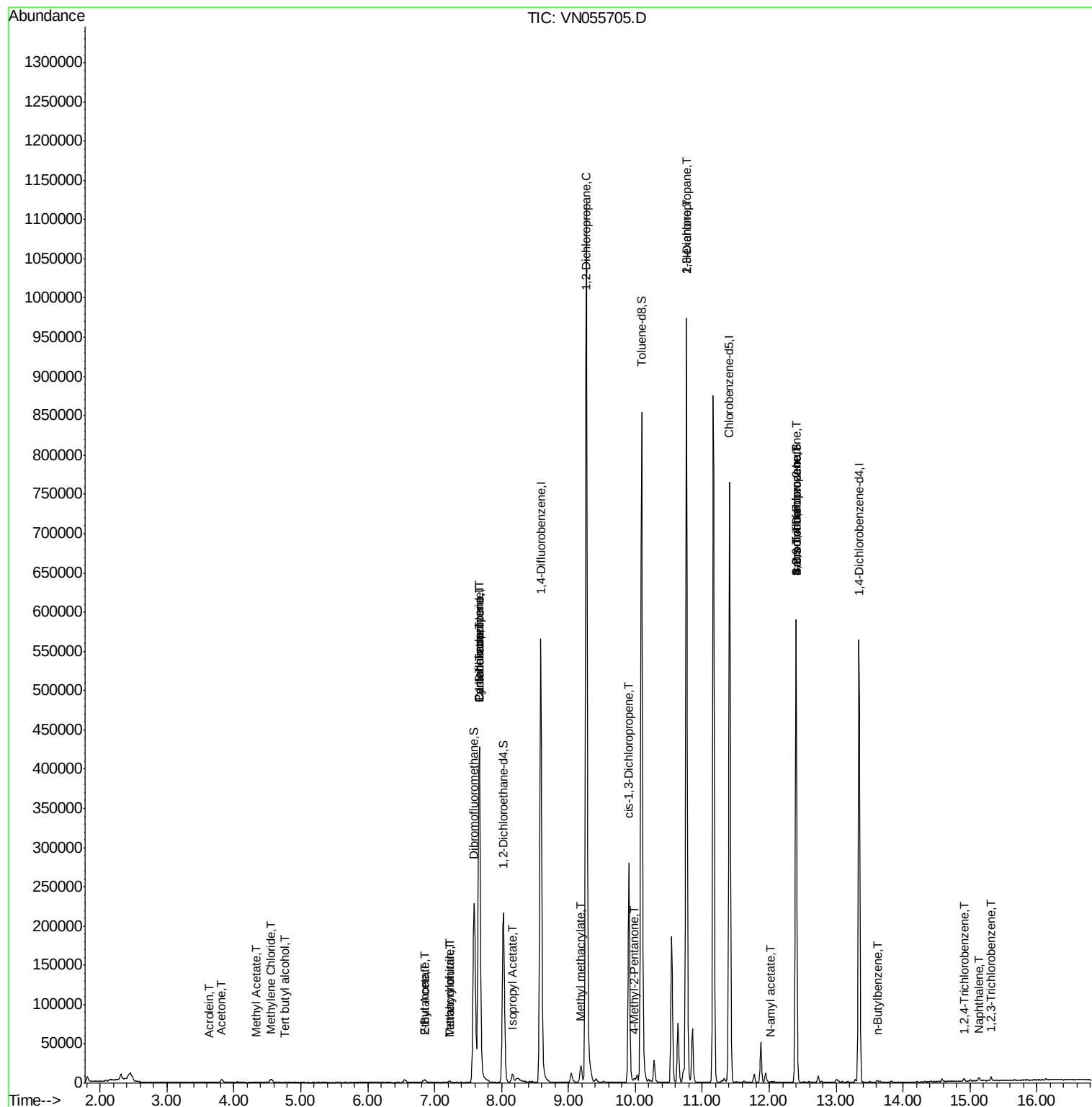
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	5156	2.333	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	2070	0.684	ug/l	94

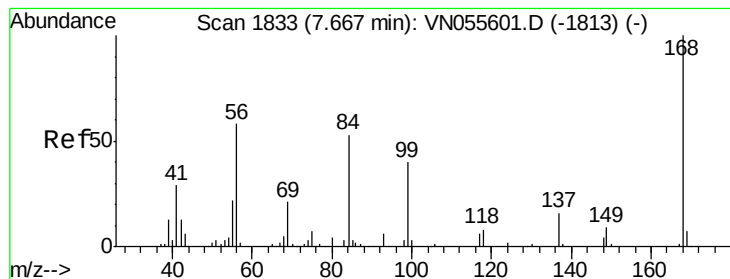
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

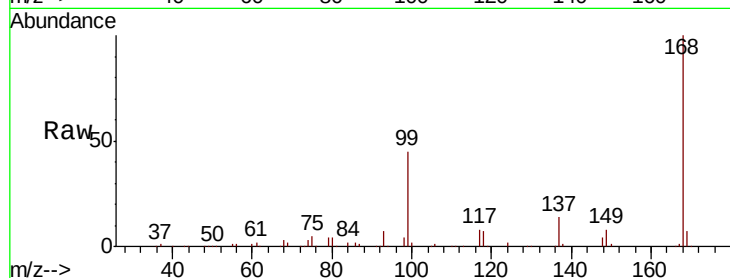
ClientSampled :

Tot Ion:168 Resp: 429021

Ion Ratio Lower Upper

168 100

99 44.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

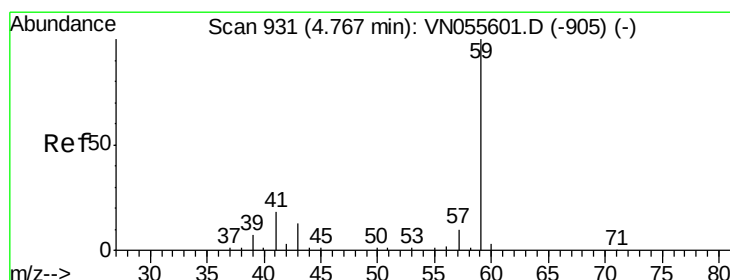
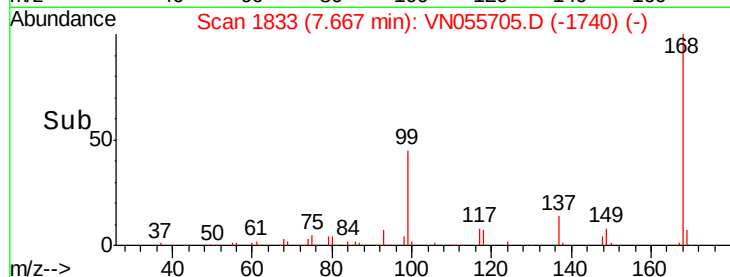
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 1.340 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN055705.D

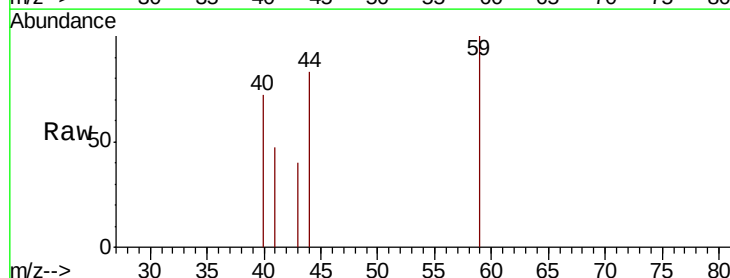
Acq: 21 May 2019 13:29

Tgt Ion: 59 Resp: 1175

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

500

400

300

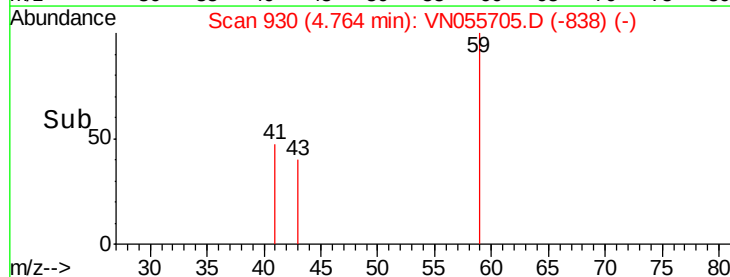
200

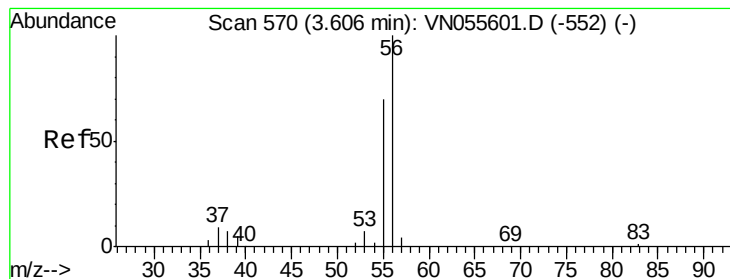
100

0

4.70 4.75 4.80

Time-->





#13

Acrolein

Concen: 1.429 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.02 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

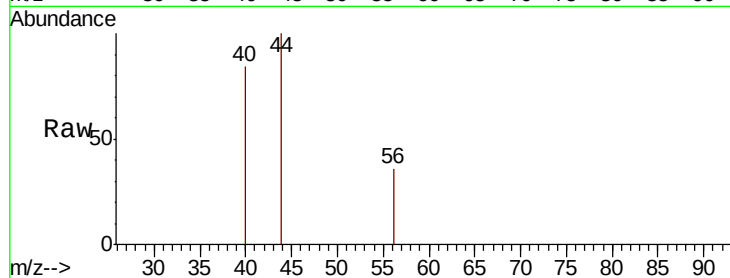
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

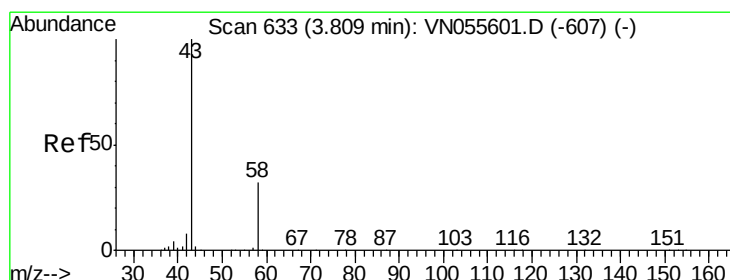
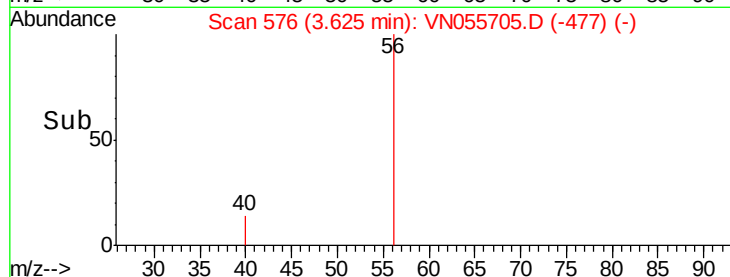
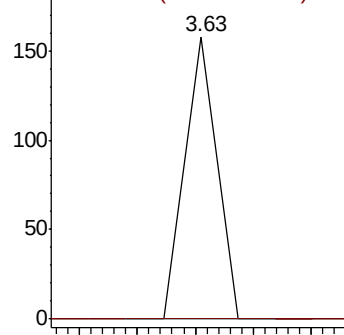
56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 3.931 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN055705.D

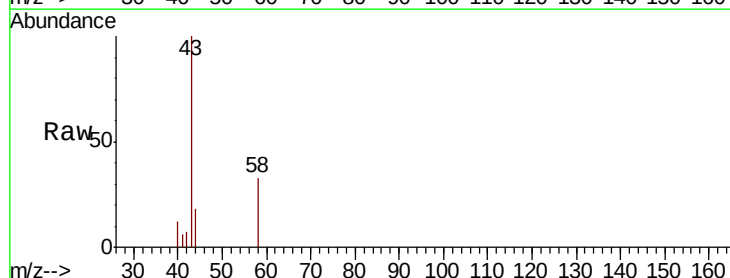
Acq: 21 May 2019 13:29

Tgt Ion: 43 Resp: 7544

Ion Ratio Lower Upper

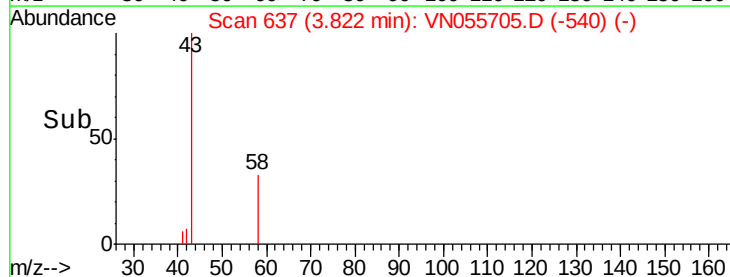
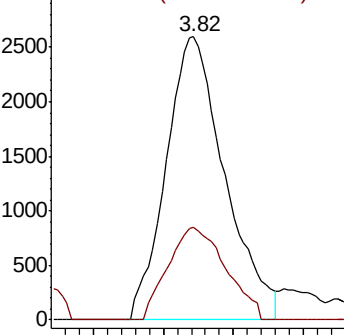
43 100

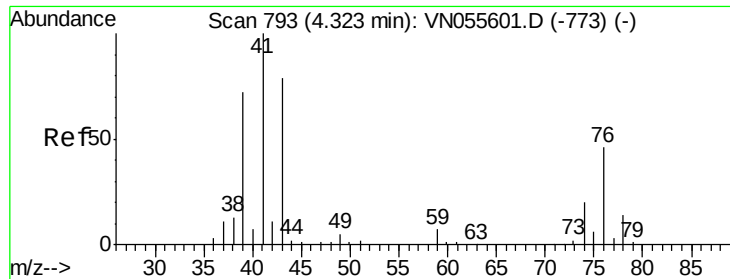
58 32.6 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

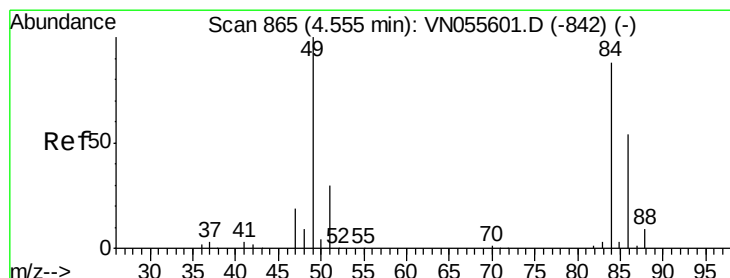
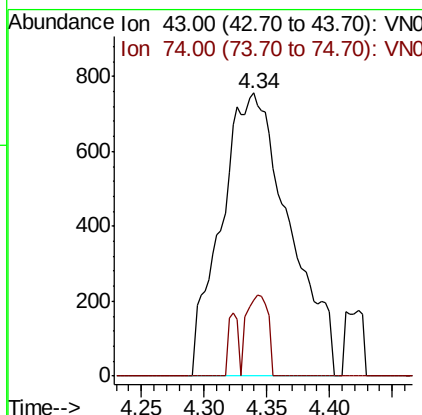
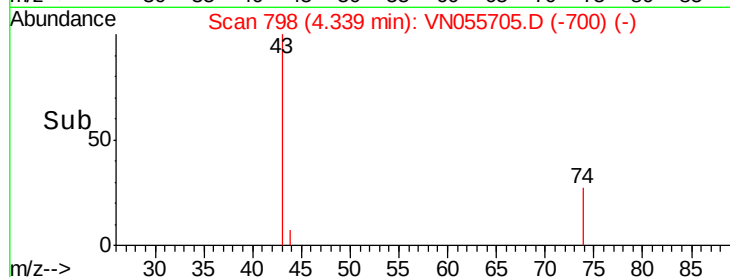
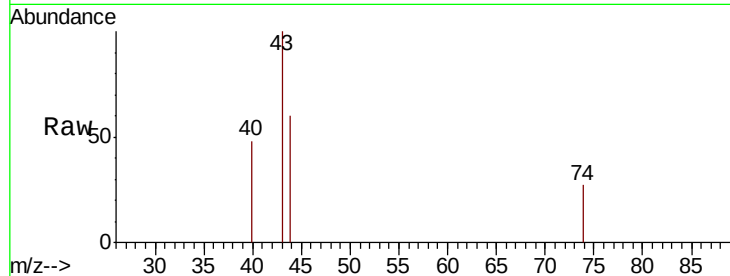




#18
Methyl Acetate
Concen: 0.696 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN055705.D
Acq: 21 May 2019 13:29

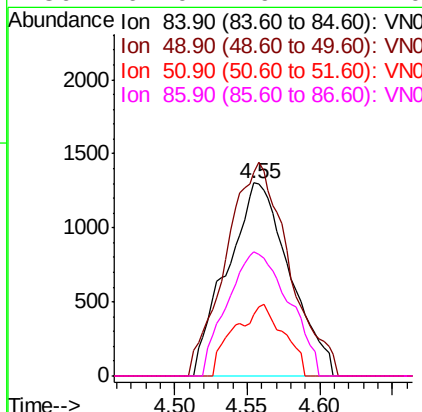
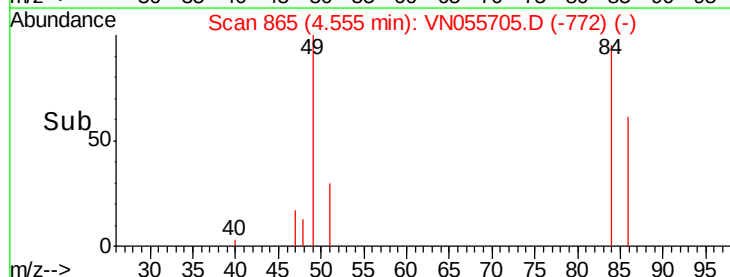
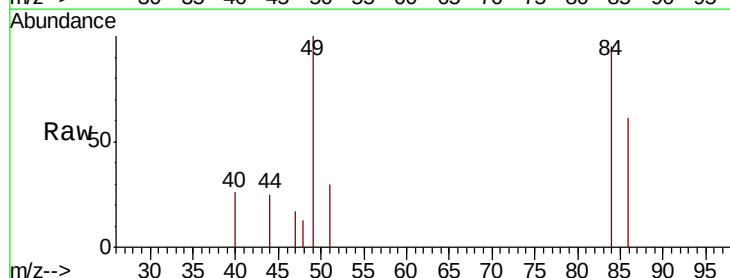
Instrument :
MSVOA_N
ClientSampled :

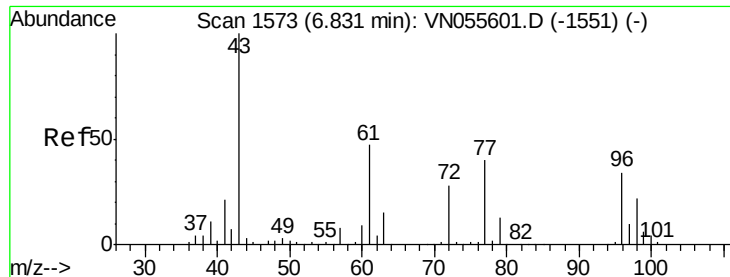
Tot Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
74 9.0 19.9 29.9#



#20
Methylene Chloride
Concen: 0.894 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055705.D
Acq: 21 May 2019 13:29

Tgt Ion: 84 Resp: 3917
Ion Ratio Lower Upper
84 100
49 105.5 91.0 136.4
51 31.7 27.5 41.3
86 64.0 49.4 74.0





#25

2-Butanone

Concen: 2.835 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.02 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

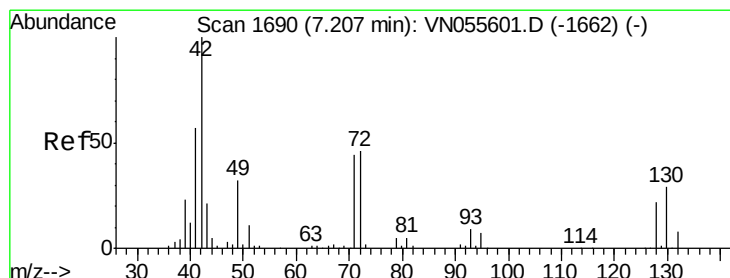
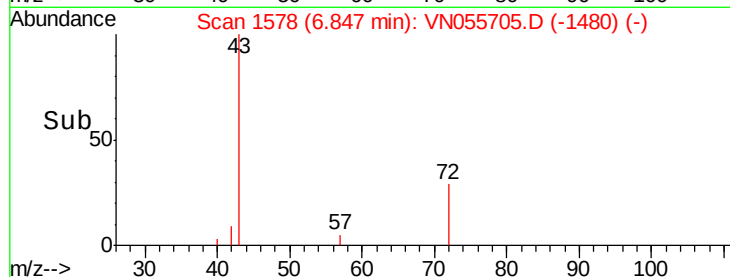
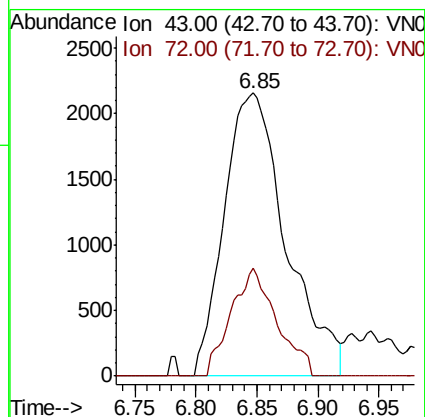
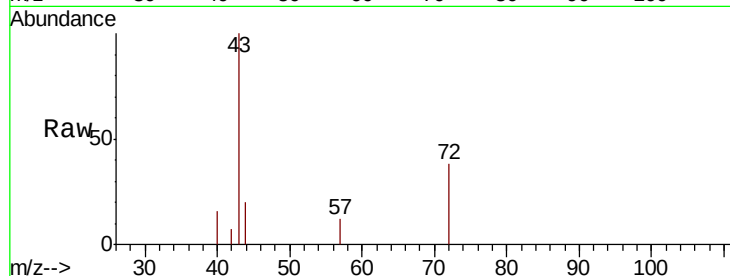
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 7609

Ion Ratio Lower Upper

43 100

72 38.2 22.3 33.5#



#29

Tetrahydrofuran

Concen: 0.823 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

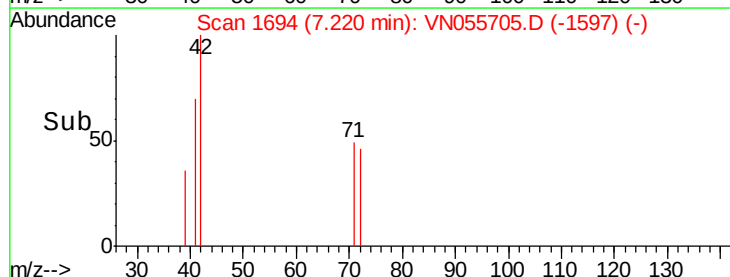
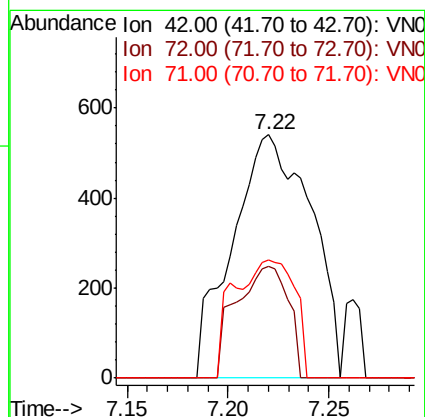
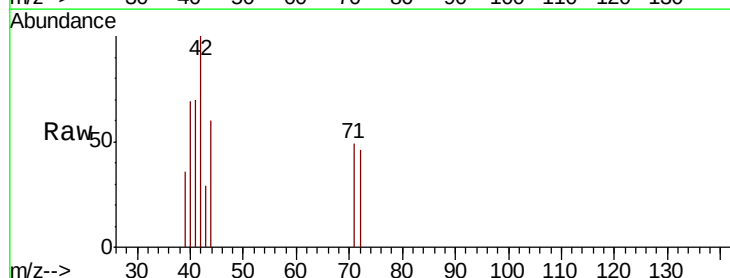
Tgt Ion: 42 Resp: 1463

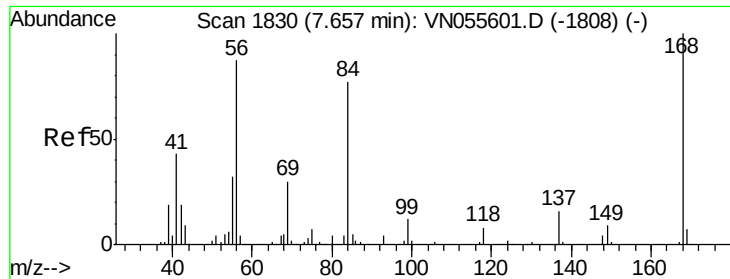
Ion Ratio Lower Upper

42 100

72 31.0 36.5 54.7#

71 24.7 34.9 52.3#

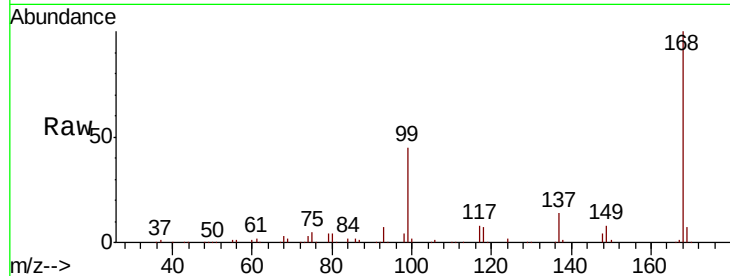




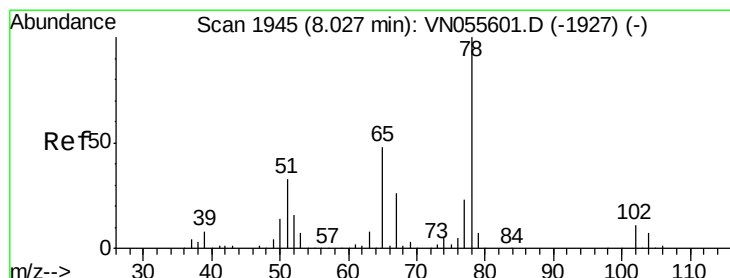
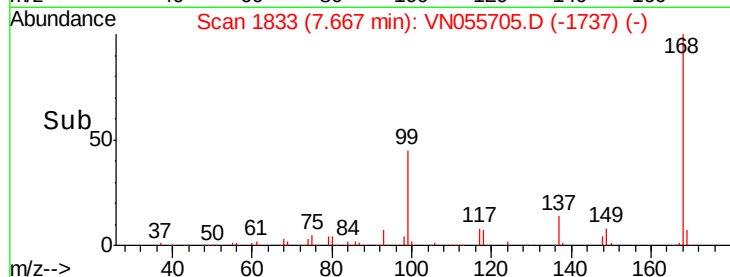
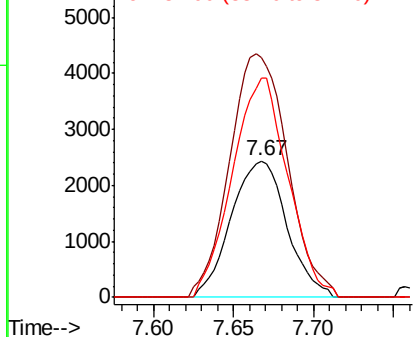
#31
Cyclohexane
Concen: 0.833 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055705.D
Acq: 21 May 2019 13:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 5809
Ion Ratio Lower Upper
56 100
69 175.6 27.2 40.8#
84 161.4 71.3 106.9#

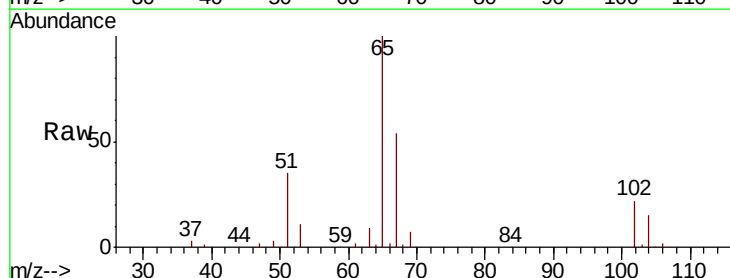


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

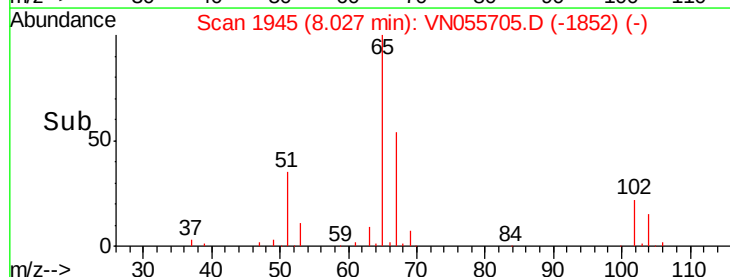
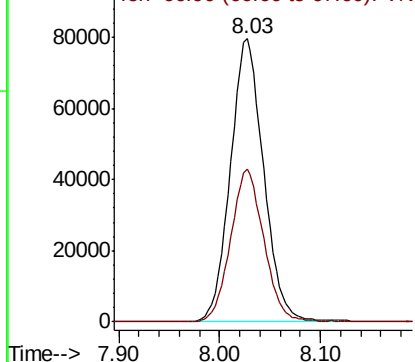


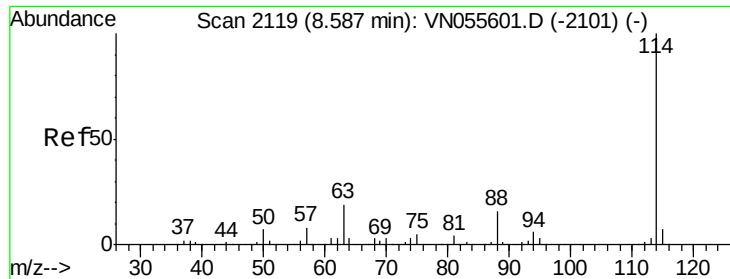
#33
1,2-Dichloroethane-d4
Concen: 38.800 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055705.D
Acq: 21 May 2019 13:29

Tgt Ion: 65 Resp: 182474
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

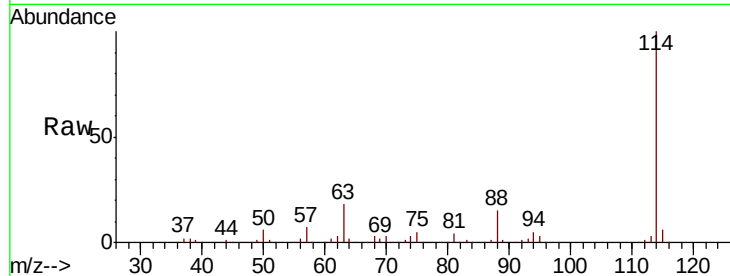




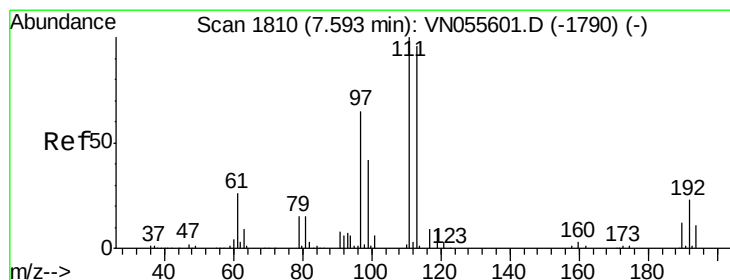
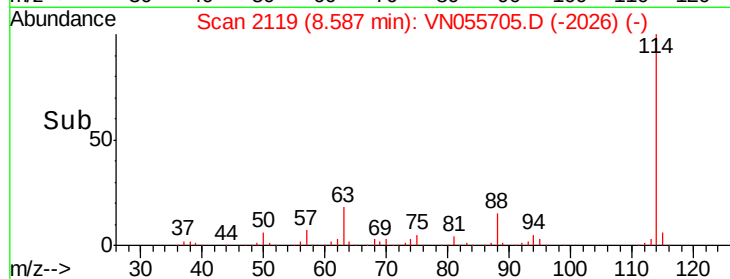
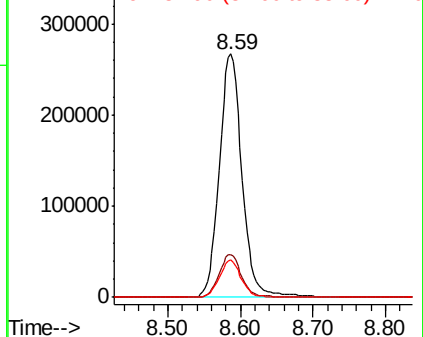
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 577245
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 38.2
 88 15.3 0.0 31.0

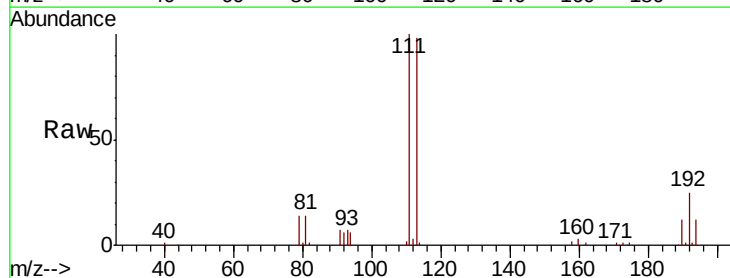


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

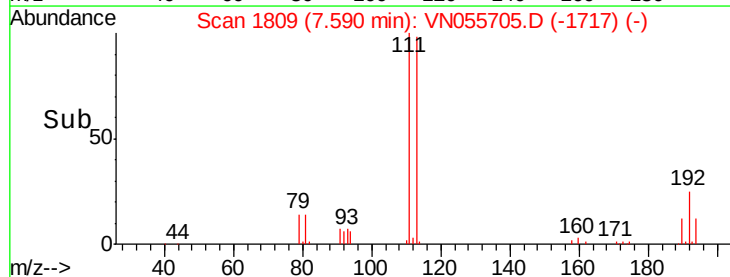
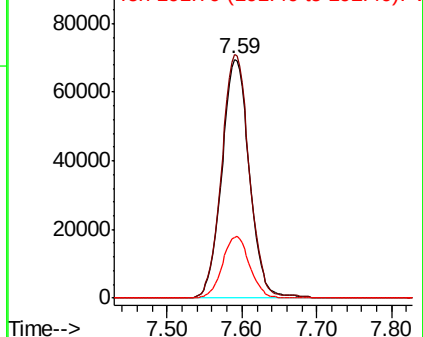


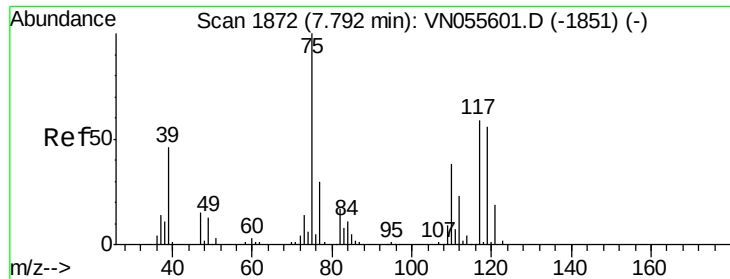
#35
 Dibromofluoromethane
 Concen: 48.414 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

Tgt Ion:113 Resp: 177530
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.5 123.7
 192 25.4 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

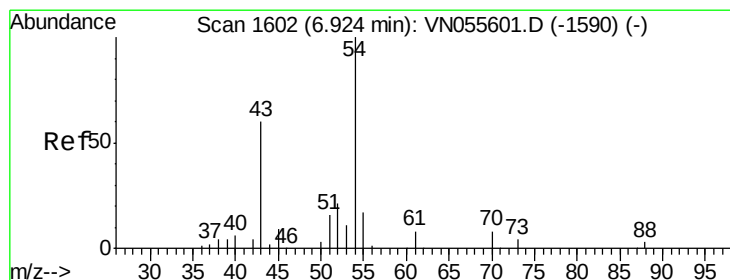
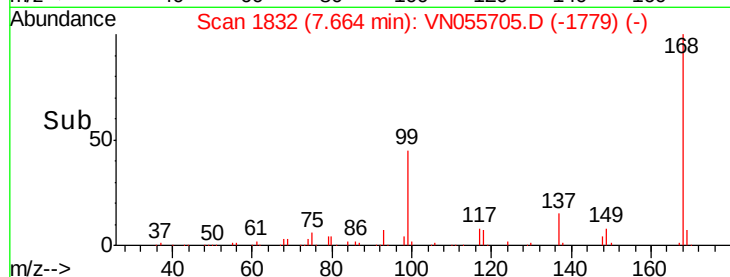
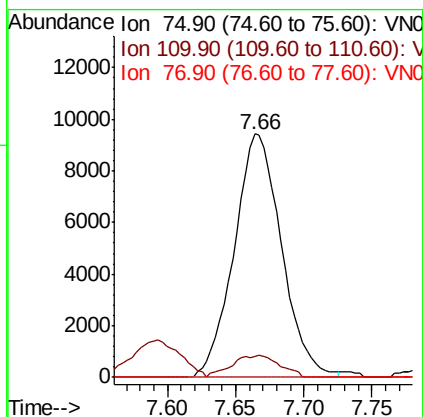
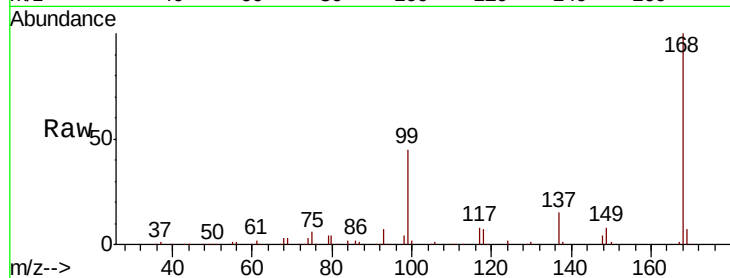




#36
 1,1-Dichloropropene
 Concen: 4.418 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

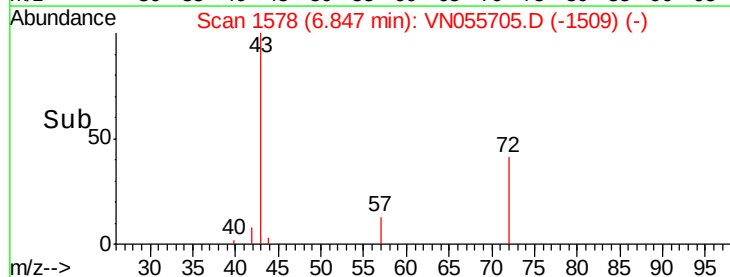
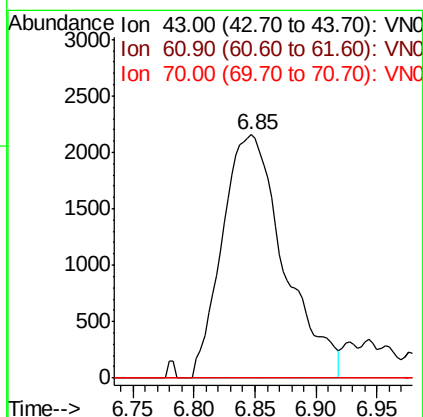
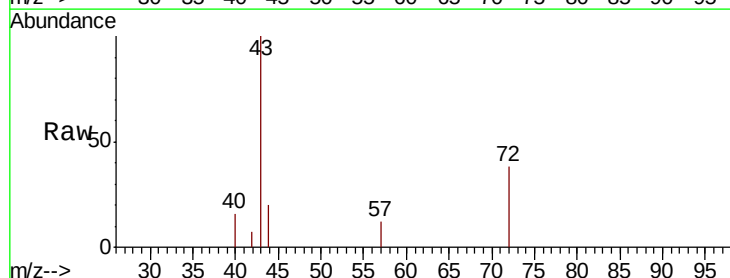
Instrument :
 MSVOA_N
 ClientSampleId :

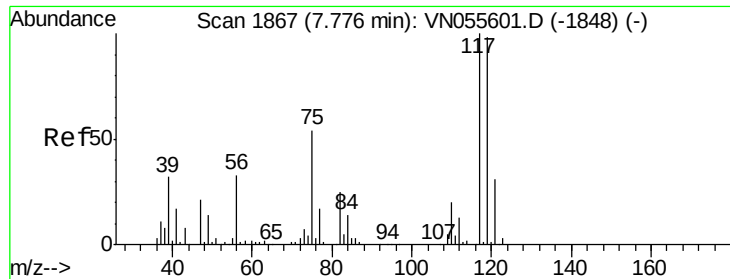
Tot Ion	75	Resp	22738
Ion Ratio	Lower	Upper	
75	100		
110	9.1	18.6	55.6#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 1.638 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.08 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

Tgt Ion	43	Resp	7609
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.4	17.0#
70	0.0	9.2	13.8#





#38

Carbon Tetrachloride

Concen: 5.927 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

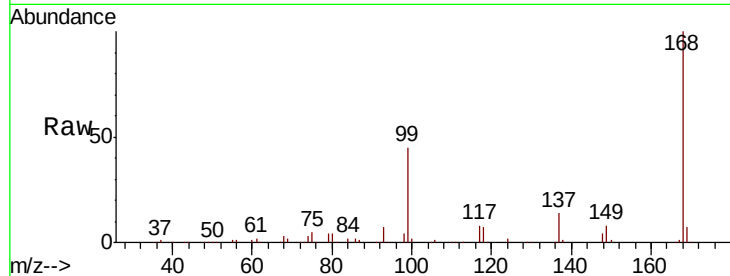
Tot Ion:117 Resp: 32594

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.8#

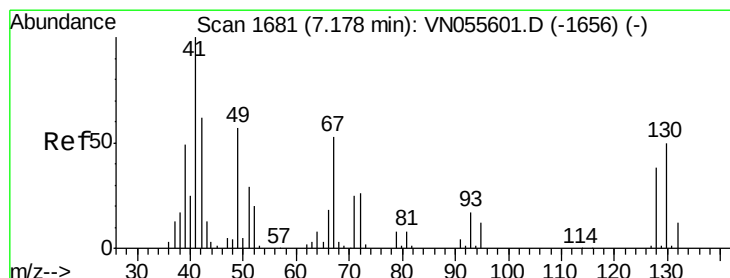
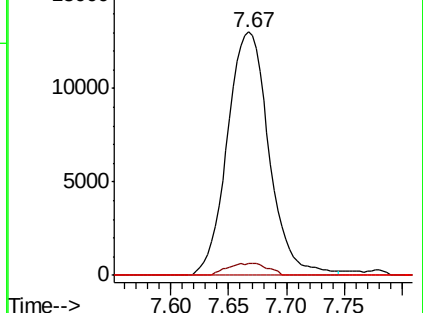
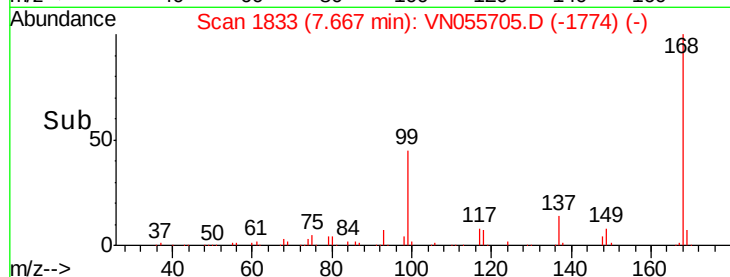
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.589 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.04 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Tgt Ion: 41 Resp: 1169

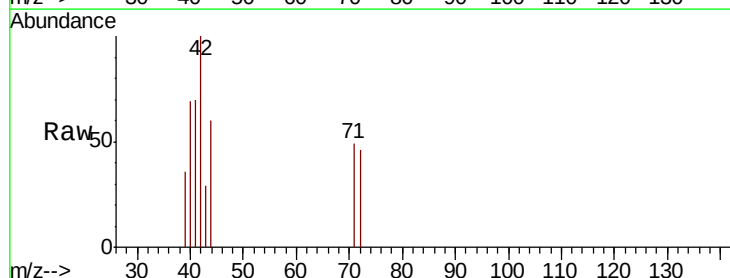
Ion Ratio Lower Upper

41 100

39 12.3 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

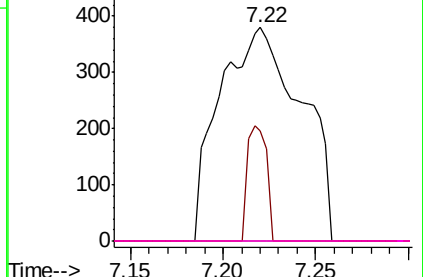
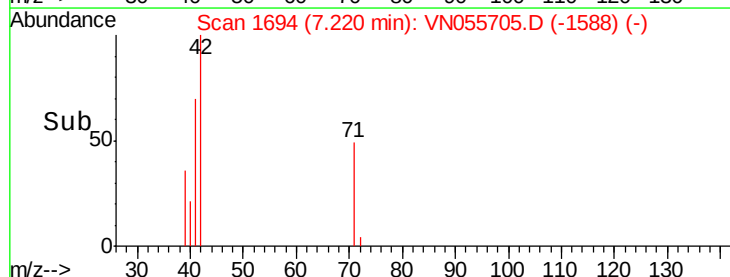


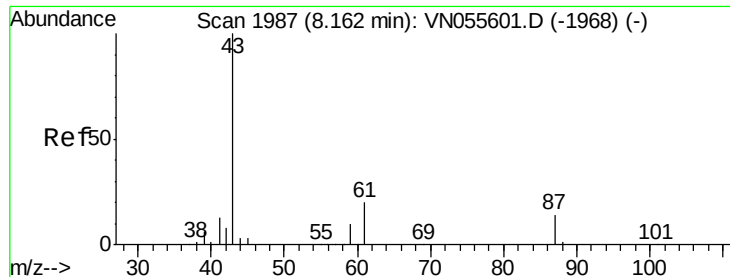
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 1.662 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

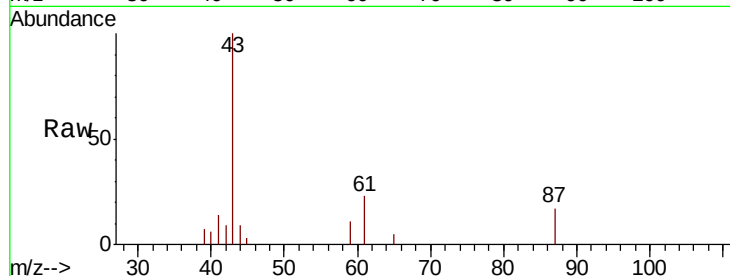
Tot Ion: 43 Resp: 13425

Ion Ratio Lower Upper

43 100

61 21.8 22.1 33.1#

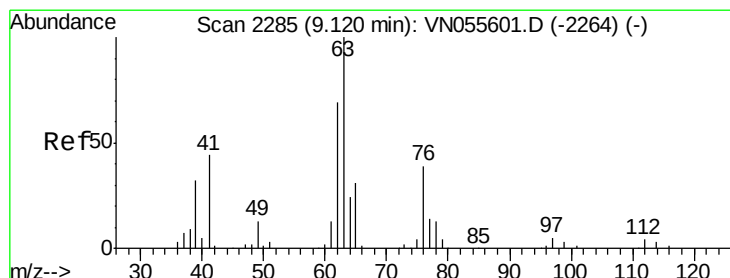
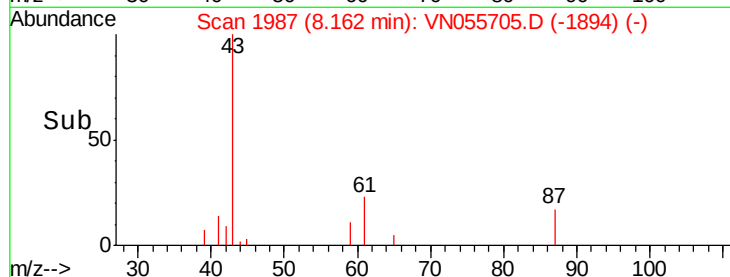
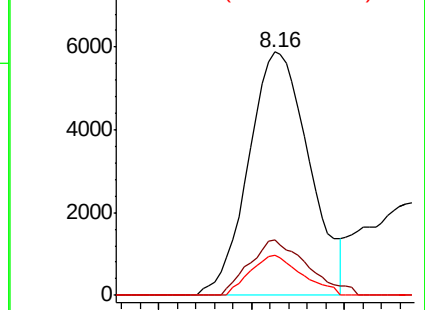
87 14.1 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VN055705.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN055705.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN055705.D (-1894) (-)



#45

1,2-Dichloropropane

Concen: 0.384 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN055705.D

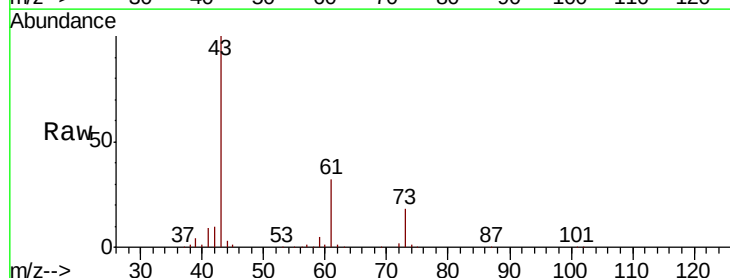
Acq: 21 May 2019 13:29

Tgt Ion: 63 Resp: 1530

Ion Ratio Lower Upper

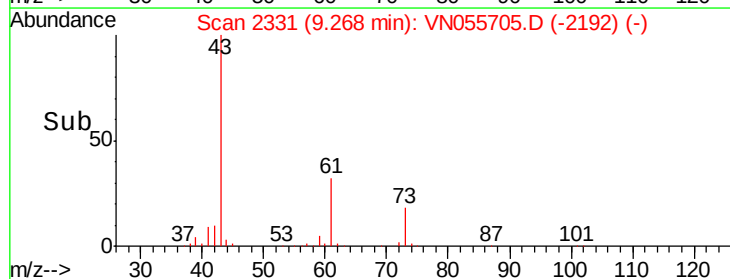
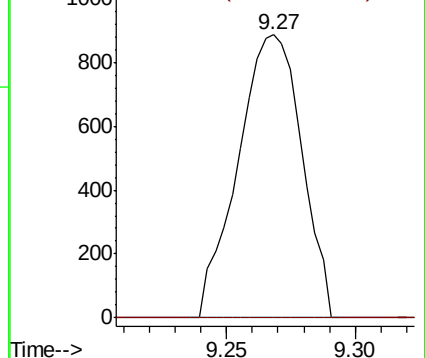
63 100

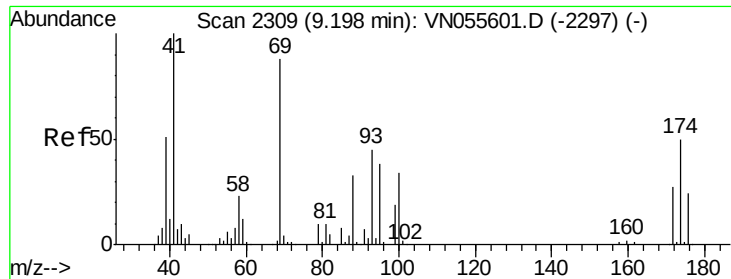
65 0.0 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VN055705.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055705.D (-2192) (-)

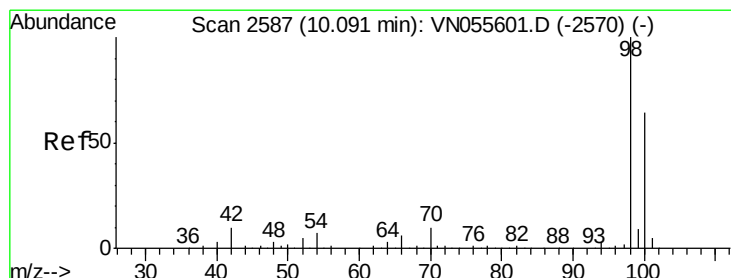
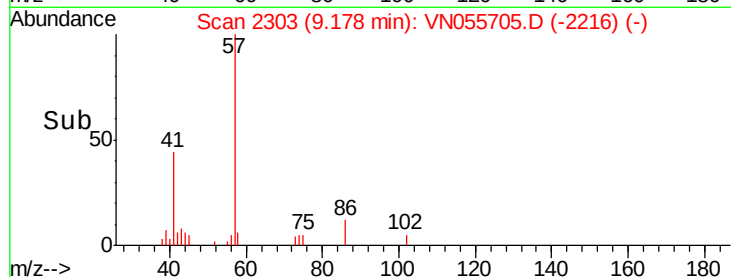
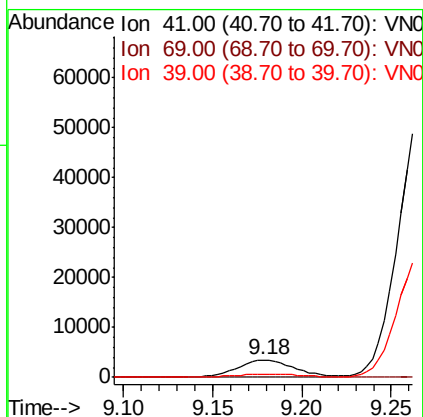
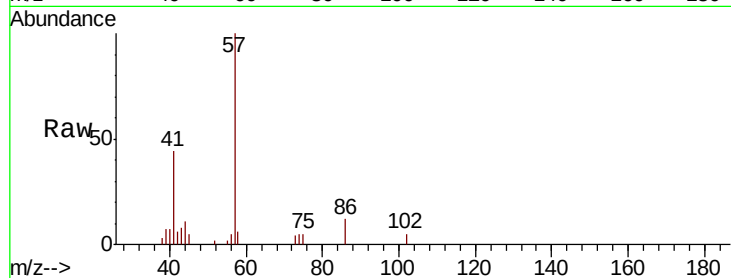




#48
Methvl methacrylate
Concen: 2.149 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN055705.D
Acq: 21 May 2019 13:29

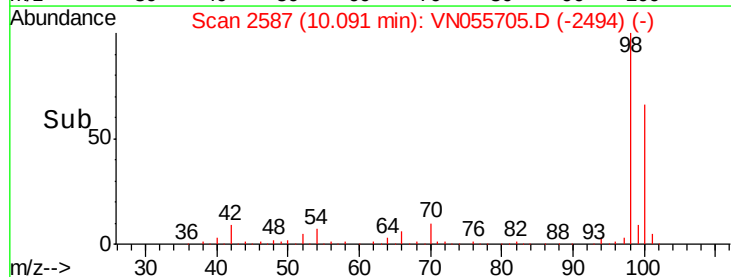
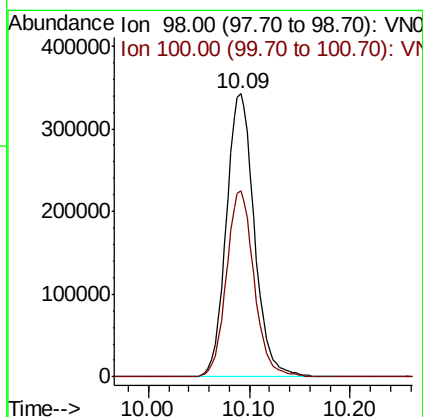
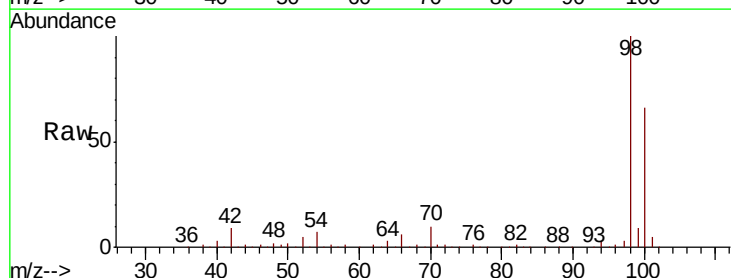
Instrument :
MSVOA_N
ClientSampleId :

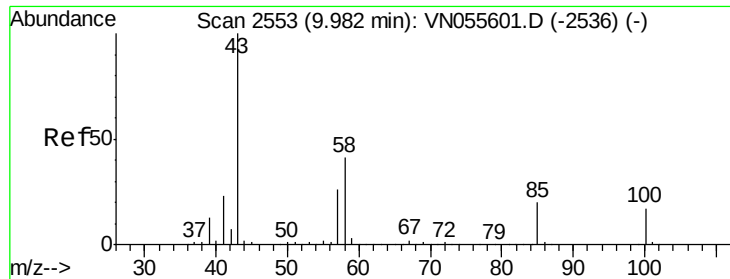
Tot Ion: 41 Resp: 7760
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.2#
39 19.6 43.8 65.8#



#50
Toluene-d8
Concen: 47.846 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055705.D
Acq: 21 May 2019 13:29

Tgt Ion: 98 Resp: 663395
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 0.793 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

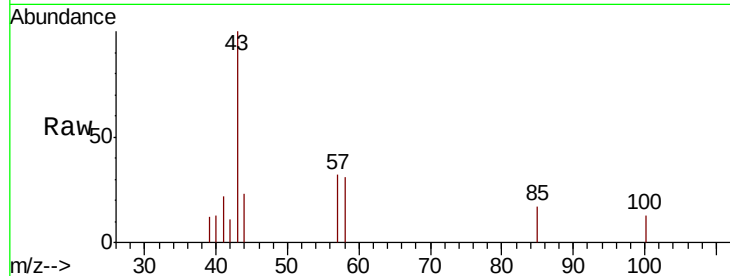
ClientSampleId :

Tot Ion: 43 Resp: 3757

Ion Ratio Lower Upper

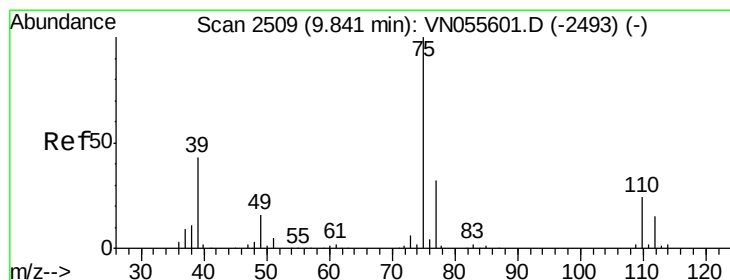
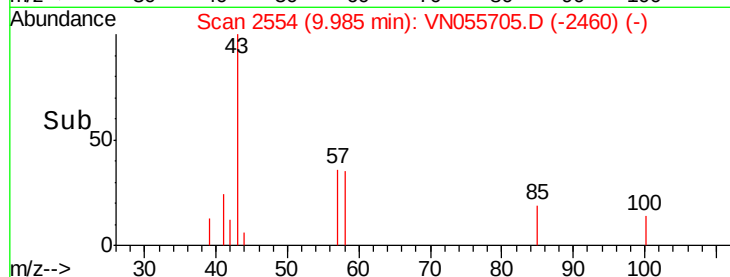
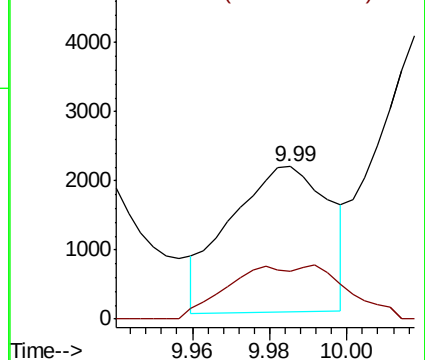
43 100

58 24.1 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 9.050 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

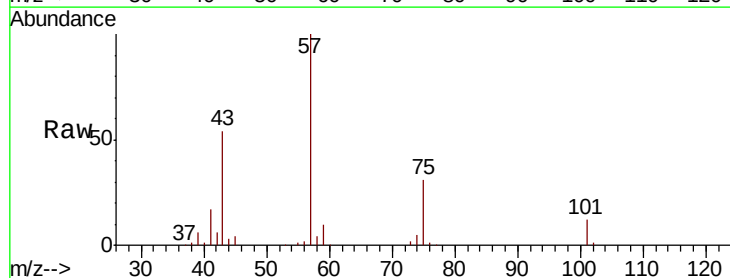
Tgt Ion: 75 Resp: 58373

Ion Ratio Lower Upper

75 100

77 0.6 25.7 38.5#

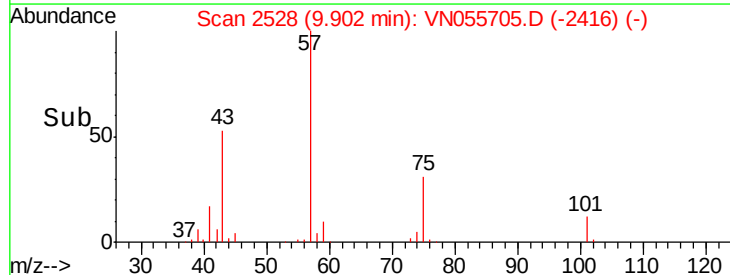
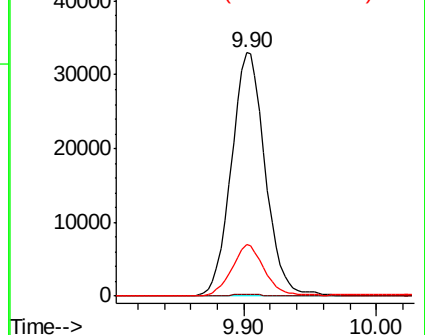
39 21.0 34.7 52.1#

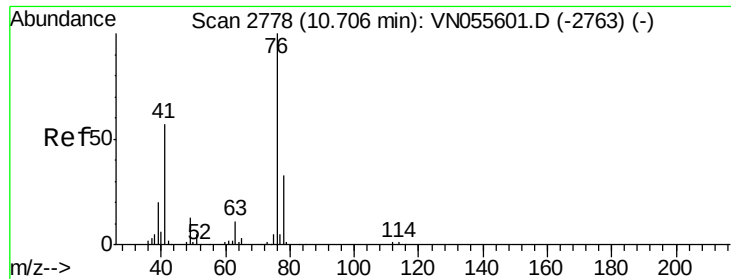


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

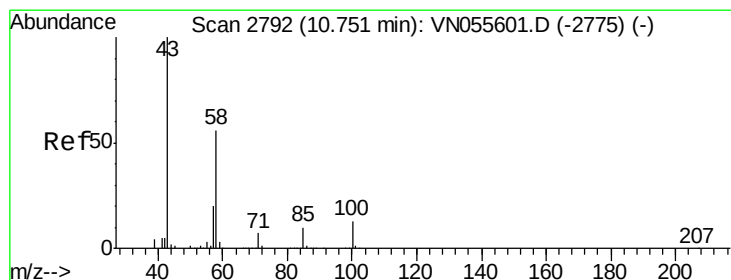
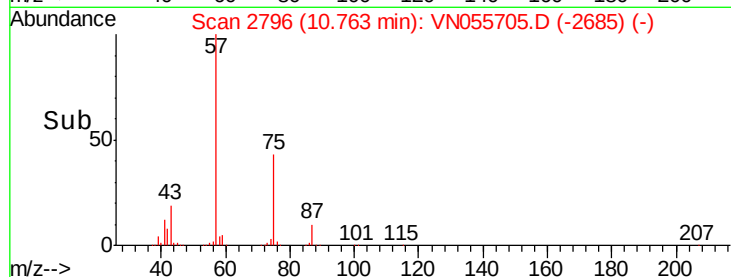
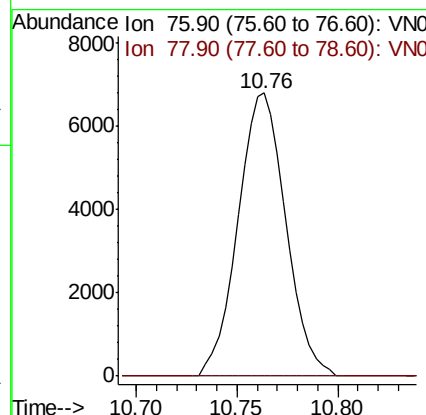
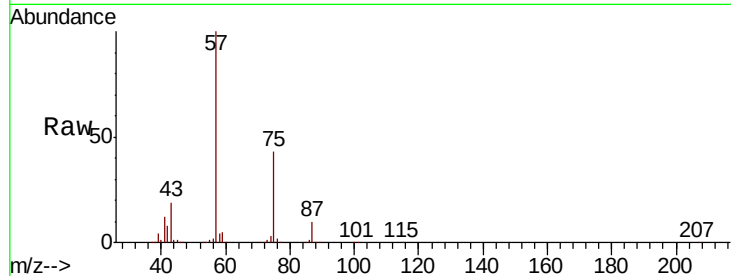




#57
 1,3-Dichloropropane
 Concen: 1.817 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

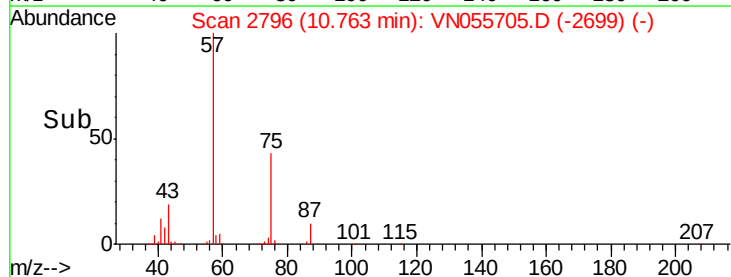
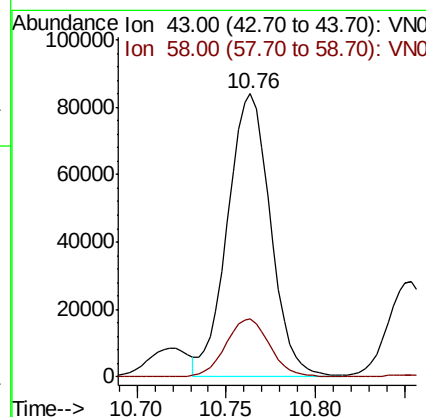
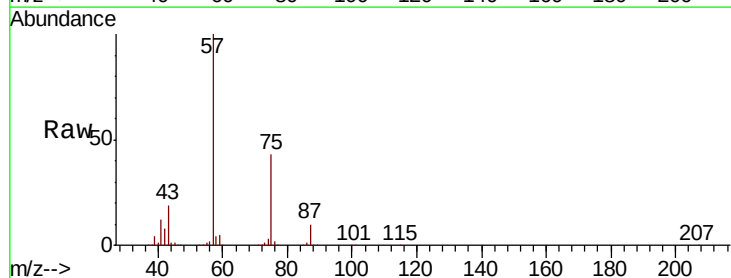
Instrument :
 MSVOA_N
 ClientSampleId :

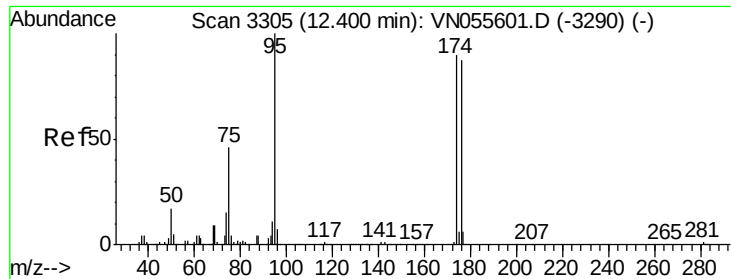
Tot Ion: 76 Resp: 11247
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.5 39.7#



#59
 2-Hexanone
 Concen: 42.105 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

Tgt Ion: 43 Resp: 140472
 Ion Ratio Lower Upper
 43 100
 58 21.0 28.1 84.4#

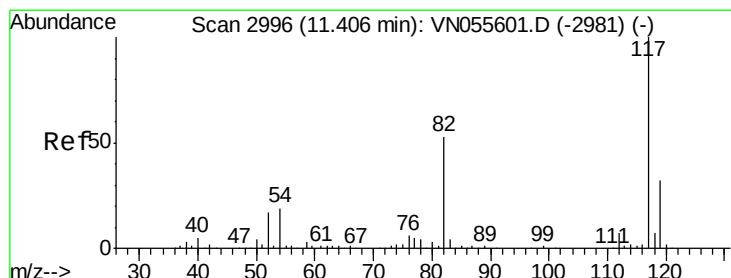
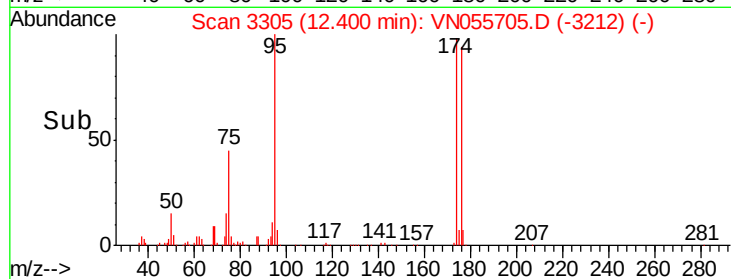
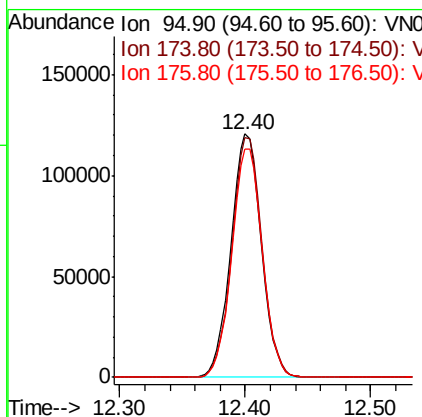
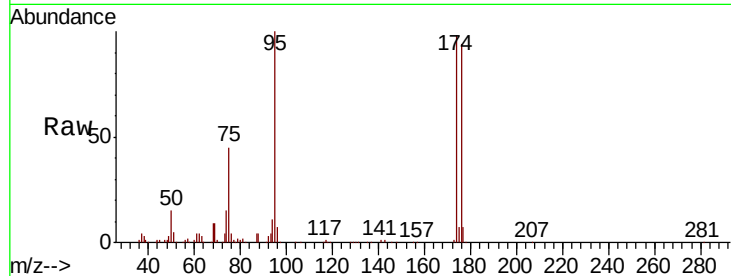




#62
4-Bromofluorobenzene
Concen: 42.318 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055705.D
Acq: 21 May 2019 13:29

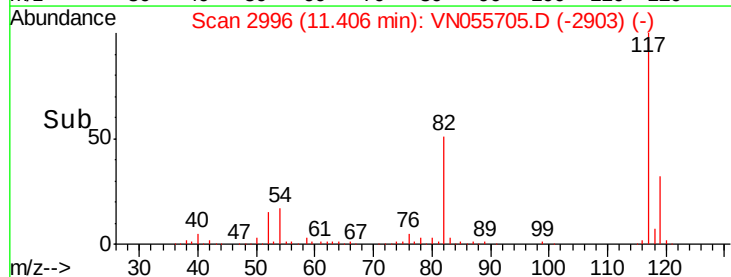
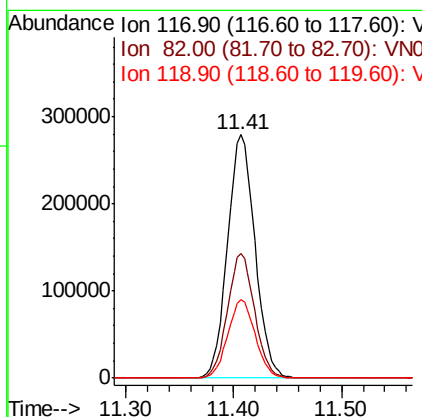
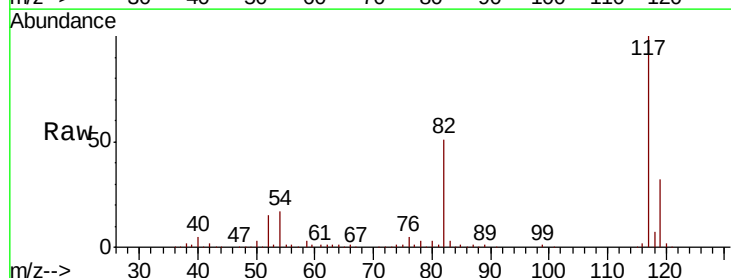
Instrument :
MSVOA_N
ClientSampleId :

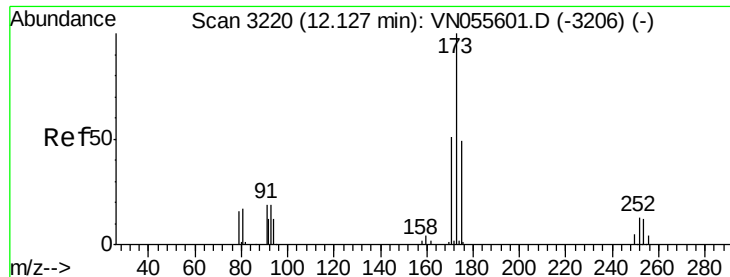
Tot Ion: 95 Resp: 202613
Ion Ratio Lower Upper
95 100
174 98.0 0.0 180.6
176 94.1 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055705.D
Acq: 21 May 2019 13:29

Tgt Ion: 117 Resp: 496376
Ion Ratio Lower Upper
117 100
82 51.1 42.3 63.5
119 32.1 25.4 38.2





#71

Bromoform

Concen: 0.426 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

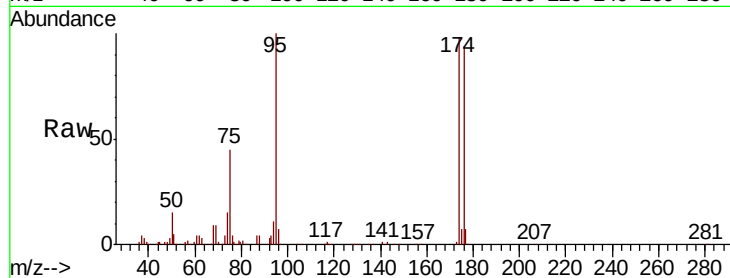
Tot Ion:173 Resp: 1457

Ion Ratio Lower Upper

173 100

175 872.5 24.3 72.9#

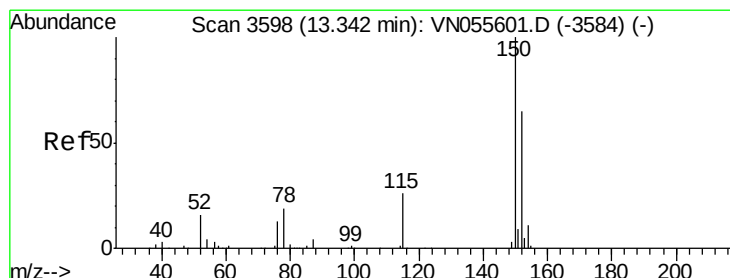
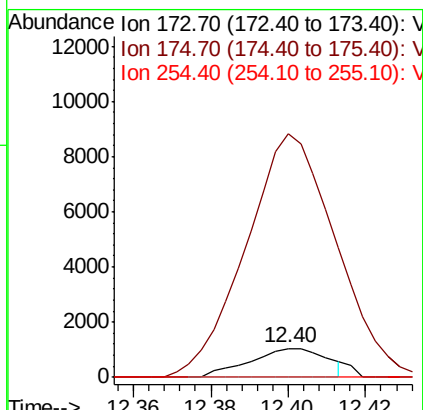
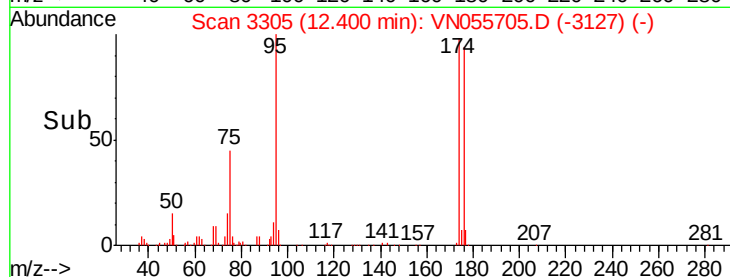
254 0.0 0.1 0.1#



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: VN055705.D

Acq: 21 May 2019 13:29

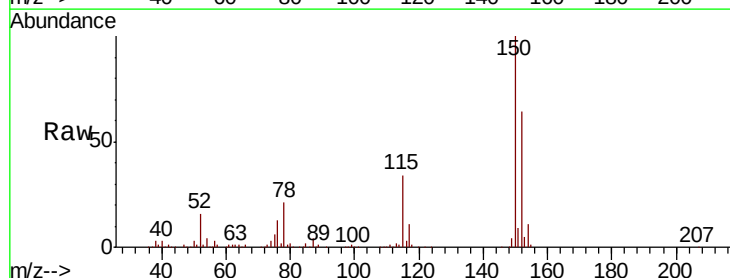
Tgt Ion:152 Resp: 168098

Ion Ratio Lower Upper

152 100

115 53.4 28.1 84.2

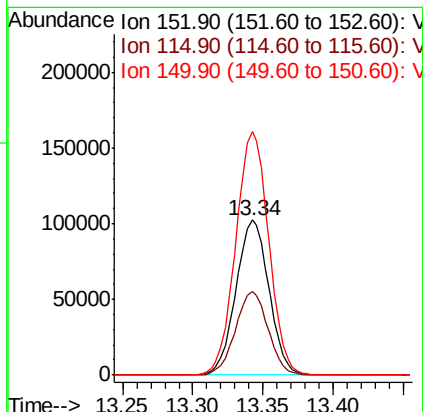
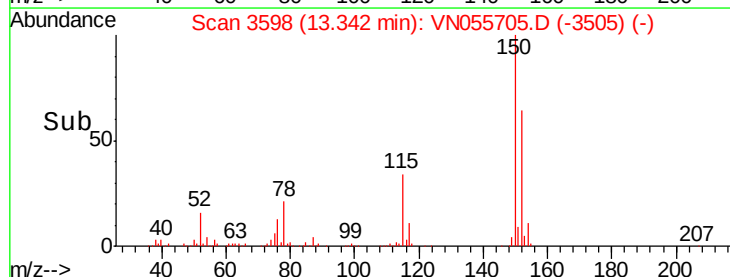
150 156.8 0.0 348.0

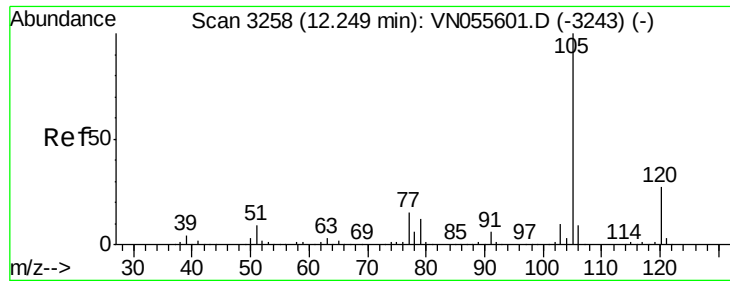


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

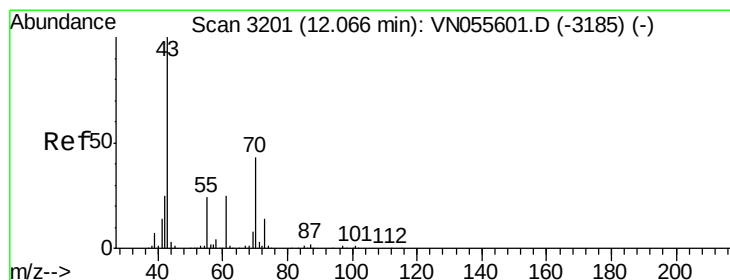
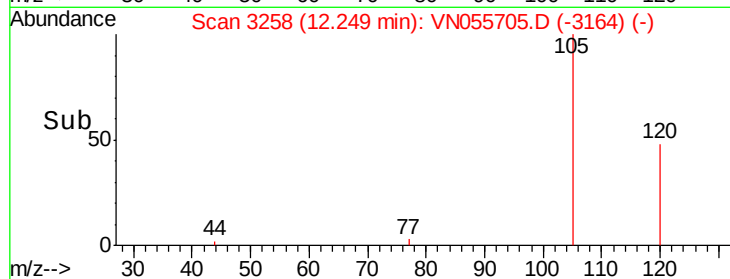
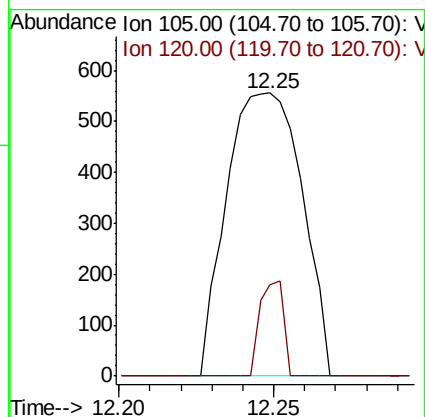
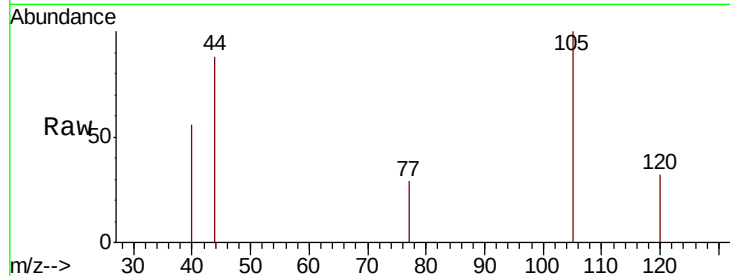
ClientSampleId :

Tot Ion:105 Resp: 944

Ion Ratio Lower Upper

105 100

120 10.6 13.4 40.2#



#74

N-ethyl acetate

Concen: 0.252 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Tgt Ion: 43 Resp: 1191

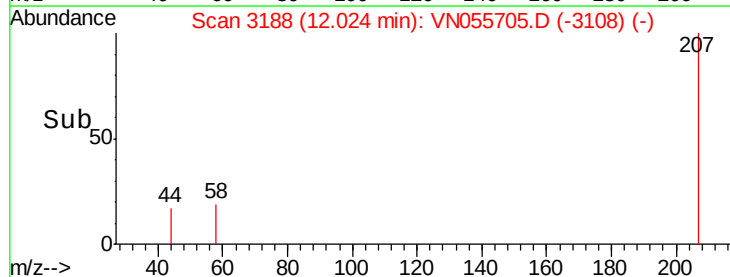
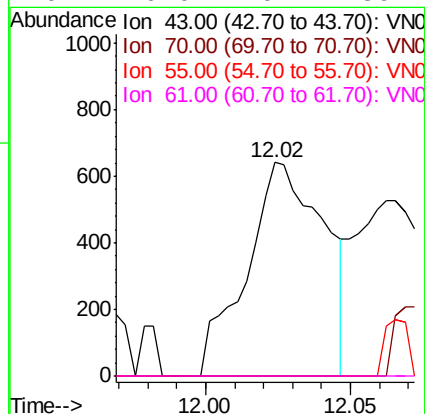
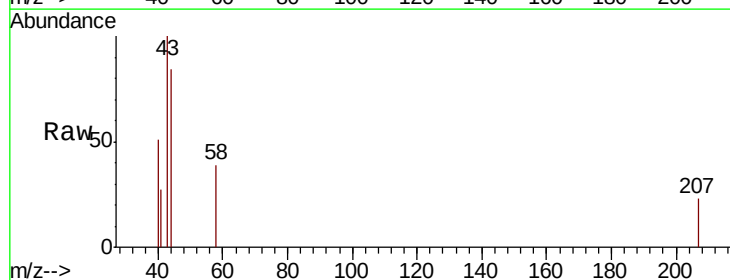
Ion Ratio Lower Upper

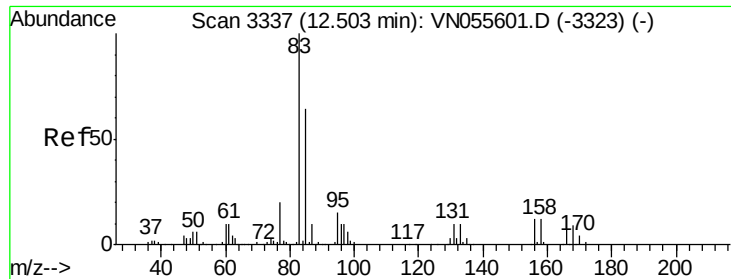
43 100

70 0.0 35.0 52.6#

55 0.0 18.9 28.3#

61 0.0 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

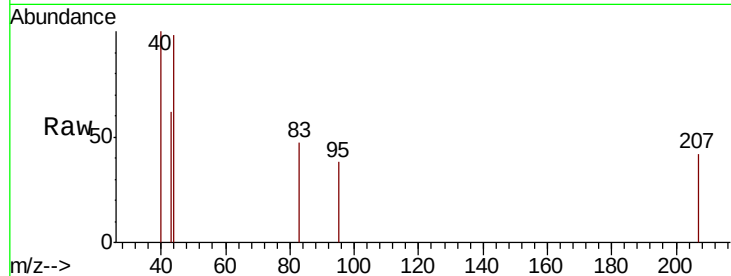
Tot Ion: 83 Resp: 72

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

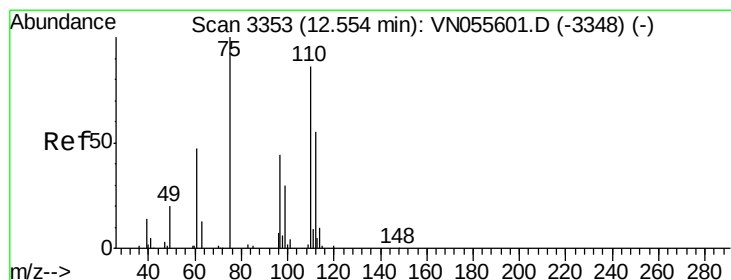
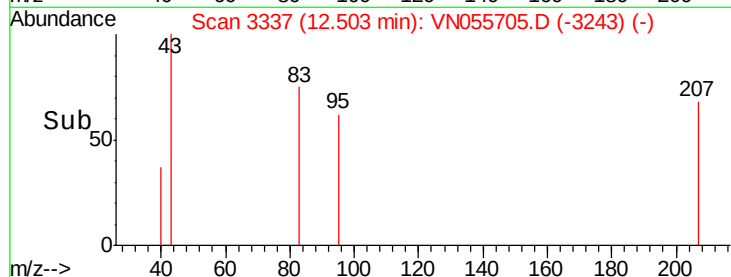
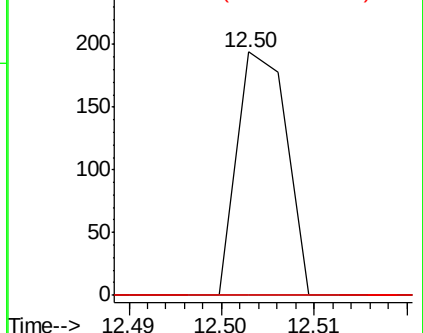
85 0.0 32.0 96.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.545 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055705.D

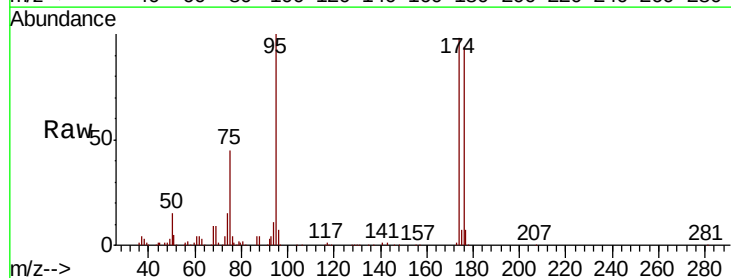
Acq: 21 May 2019 13:29

Tgt Ion: 75 Resp: 91052

Ion Ratio Lower Upper

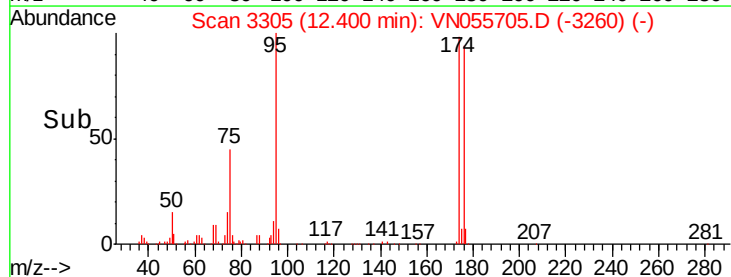
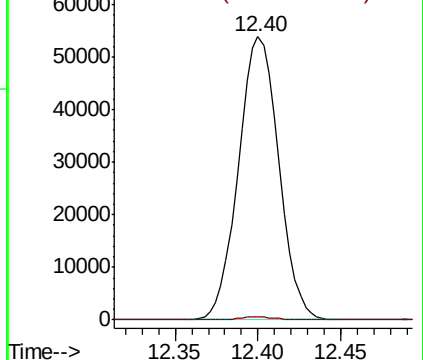
75 100

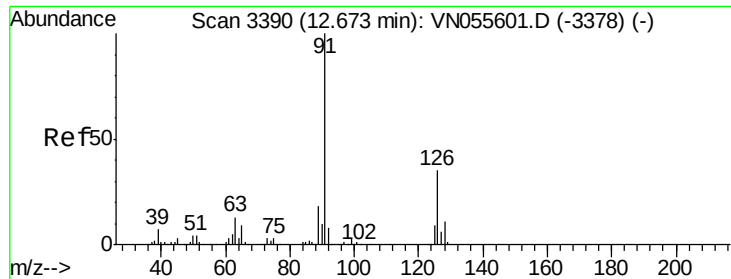
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3423

Delta R.T. 0.11 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

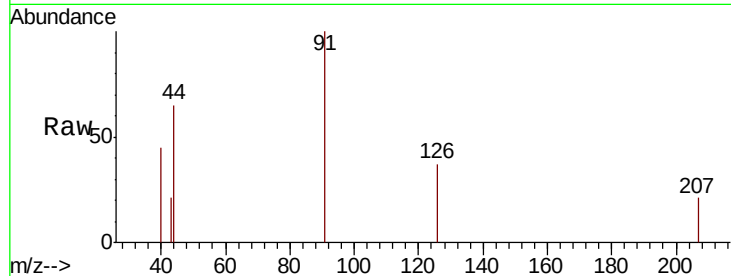
ClientSampled :

Tot Ion: 91 Resp: 1226

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.4



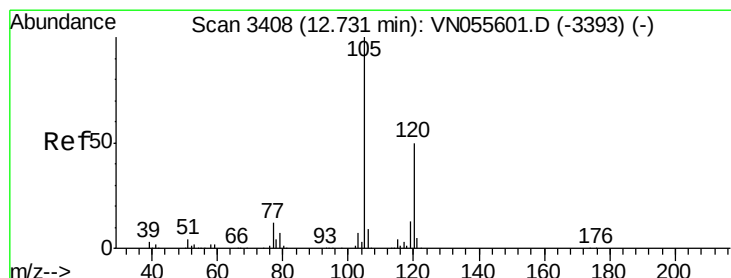
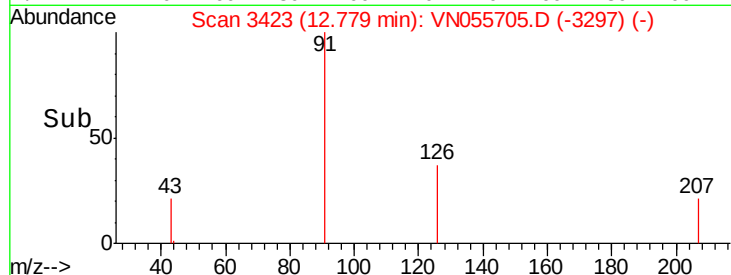
Abundance Ion 91.00 (90.70 to 91.70): VN055705.D (-3423) (-)

Ion 125.90 (125.60 to 126.60): VN055705.D (-3423) (-)

12.78

Time-->

12.75 12.80



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055705.D

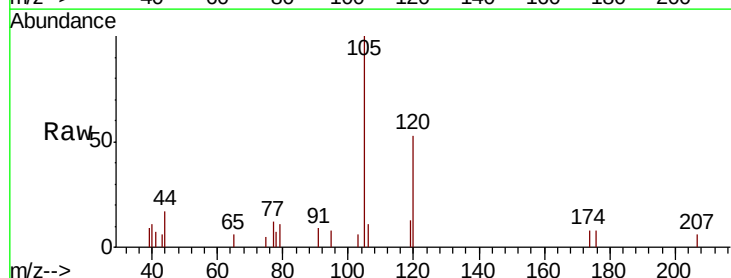
Acq: 21 May 2019 13:29

Tgt Ion: 105 Resp: 4863

Ion Ratio Lower Upper

105 100

120 50.8 24.6 74.0



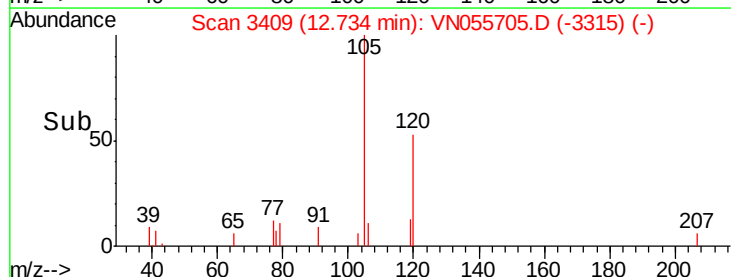
Abundance Ion 105.00 (104.70 to 105.70): VN055705.D (-3409) (-)

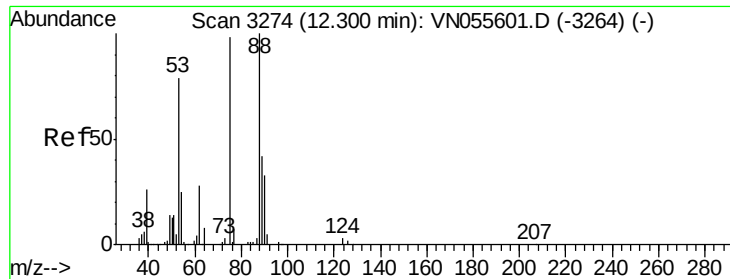
Ion 120.00 (119.70 to 120.70): VN055705.D (-3409) (-)

12.73

Time-->

12.70 12.75

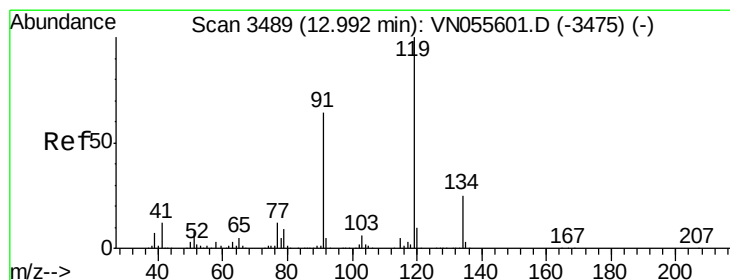
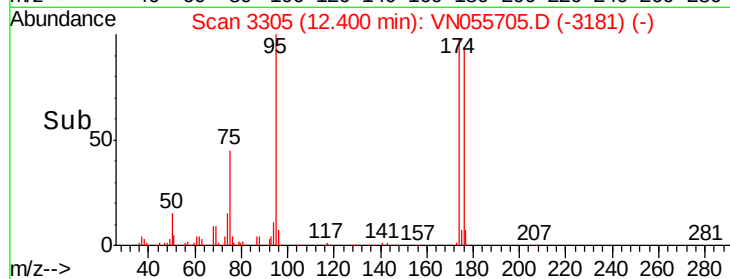
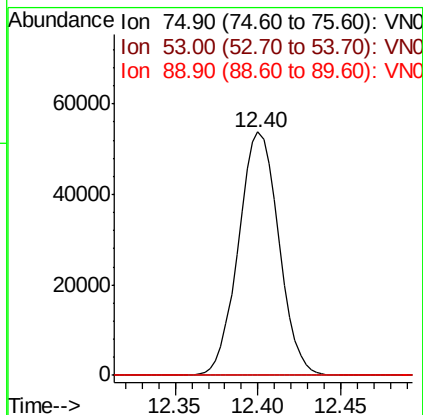
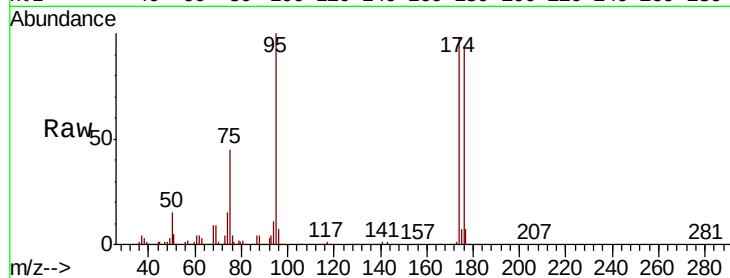




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.237 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

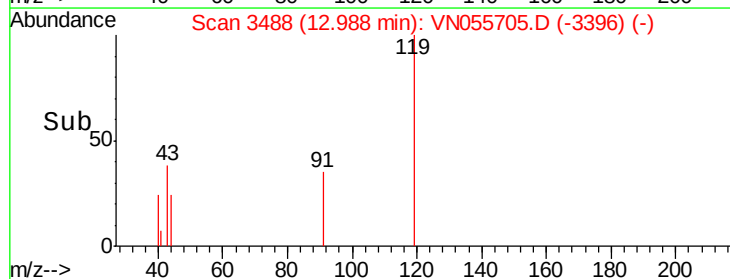
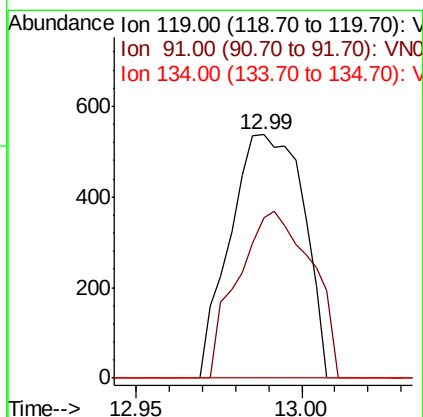
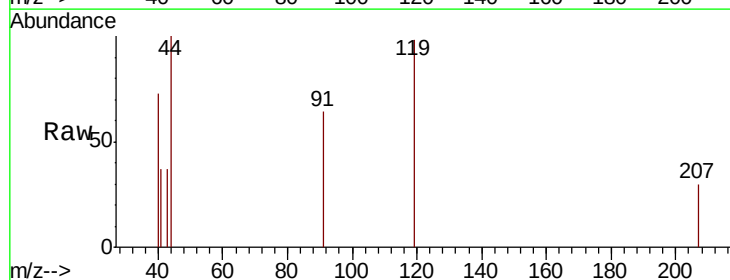
Instrument :
 MSVOA_N
 ClientSampleId :

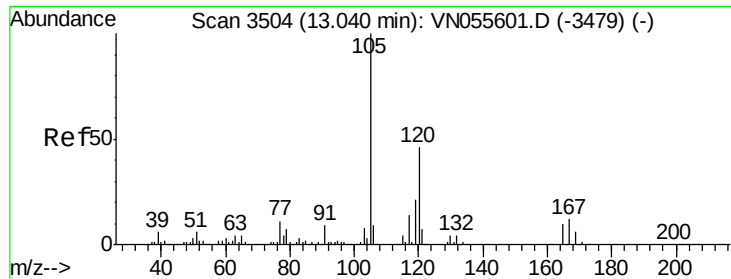
Tot Ion: 75 Resp: 91052
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.1 97.7#
 89 0.0 36.4 54.6#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

Tgt Ion: 119 Resp: 826
 Ion Ratio Lower Upper
 119 100
 91 69.0 31.3 93.8
 134 0.0 13.2 39.6#

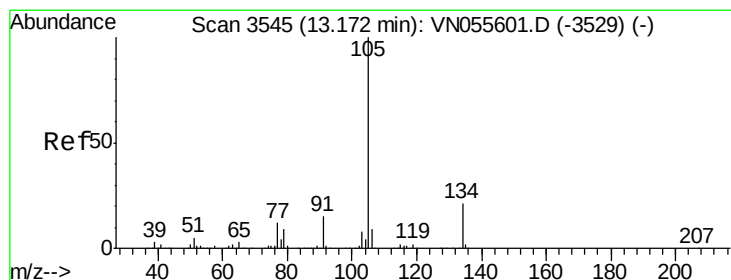
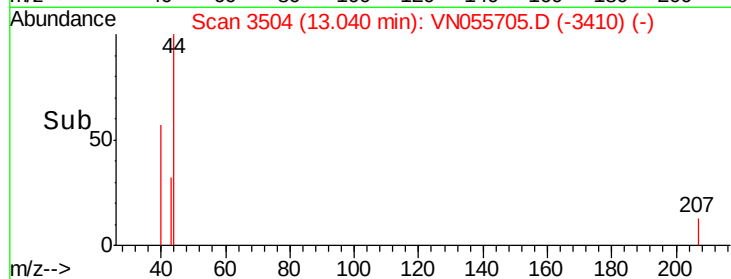
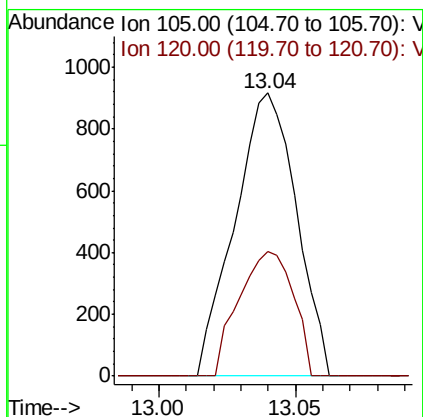
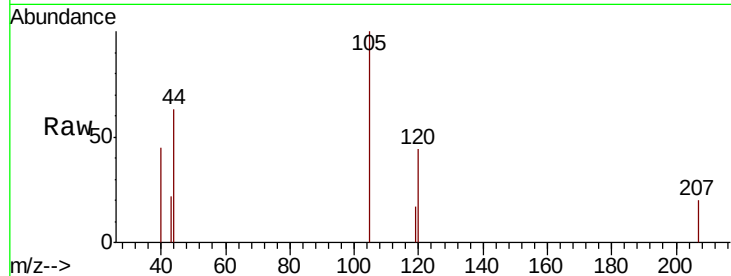




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

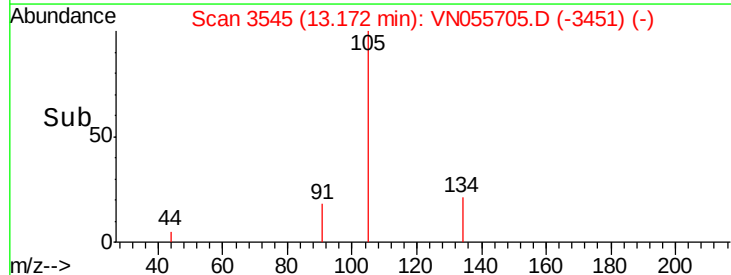
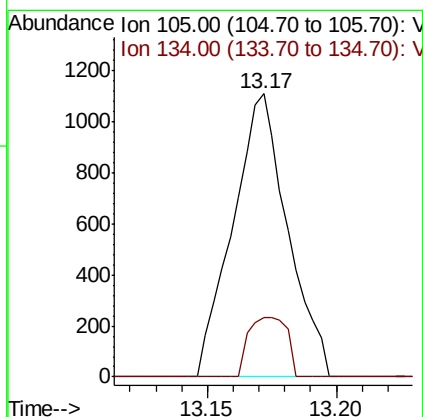
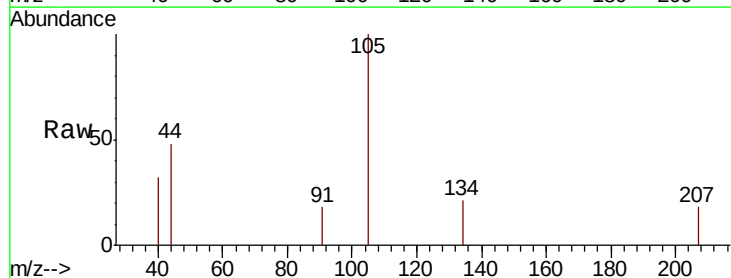
Instrument :
 MSVOA_N
 ClientSampled :

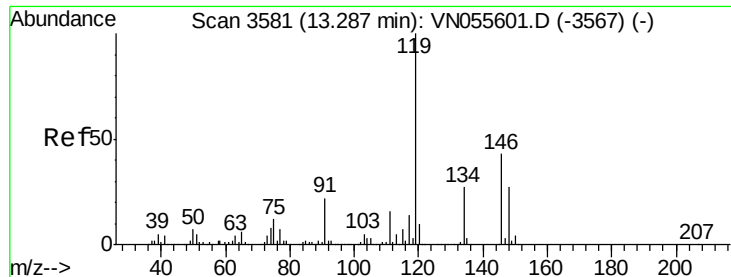
Tot Ion:105 Resp: 1431
 Ion Ratio Lower Upper
 105 100
 120 39.0 23.1 69.2



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

Tgt Ion:105 Resp: 1649
 Ion Ratio Lower Upper
 105 100
 134 14.7 10.3 30.9





#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

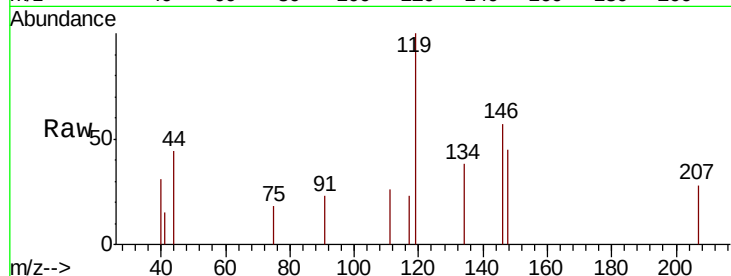
Tot Ion: 119 Resp: 1643

Ion Ratio Lower Upper

119 100

134 28.3 13.4 40.2

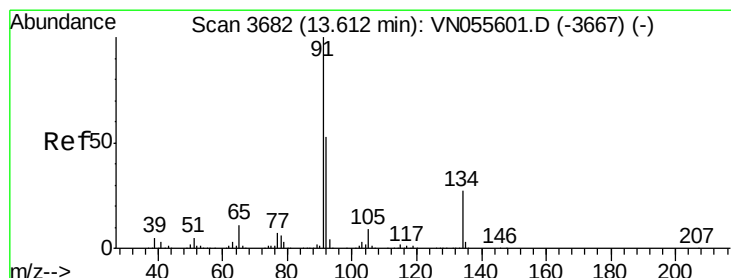
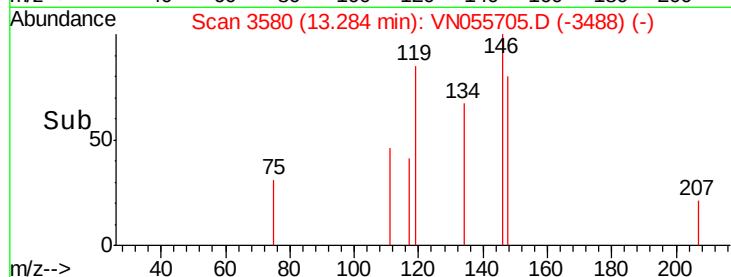
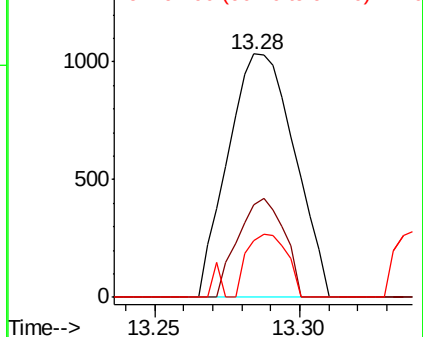
91 15.7 11.0 33.0



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



#89

n-Butylbenzene

Concen: 0.219 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

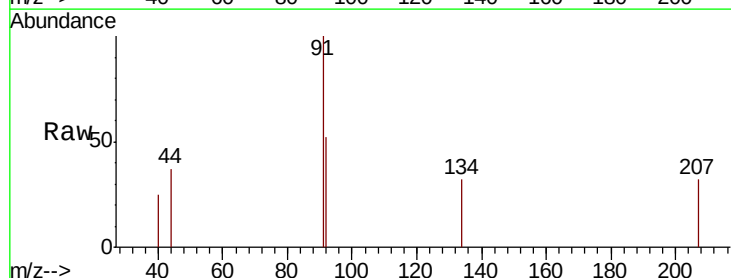
Tgt Ion: 91 Resp: 2017

Ion Ratio Lower Upper

91 100

92 52.0 26.4 79.0

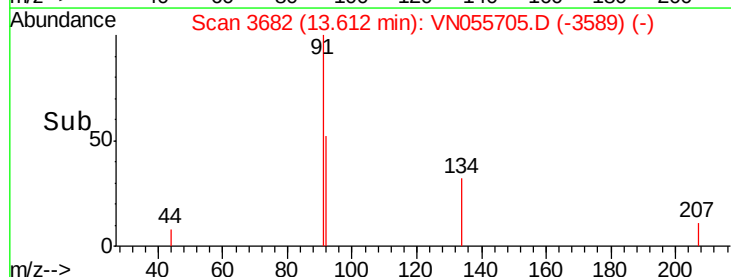
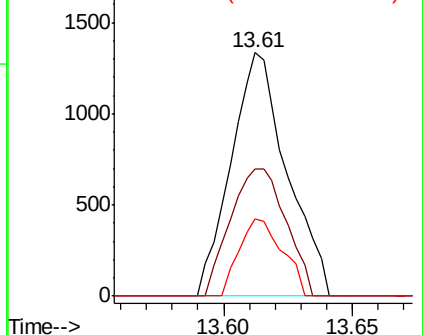
134 24.5 13.7 41.1

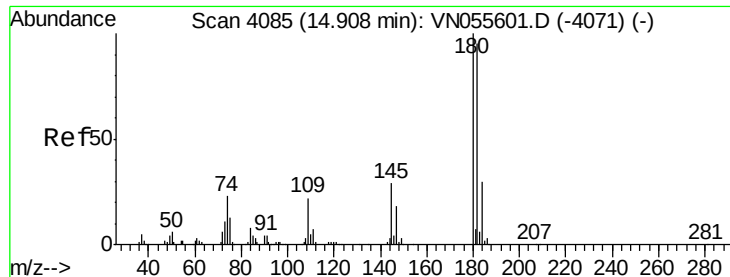


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

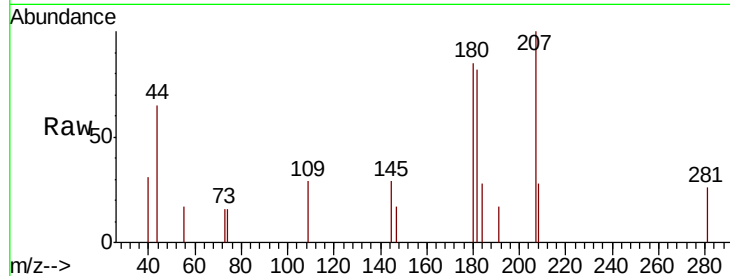




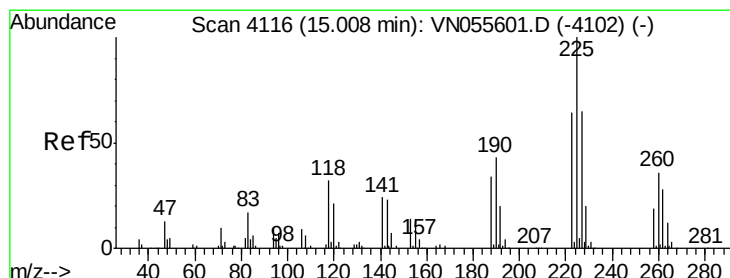
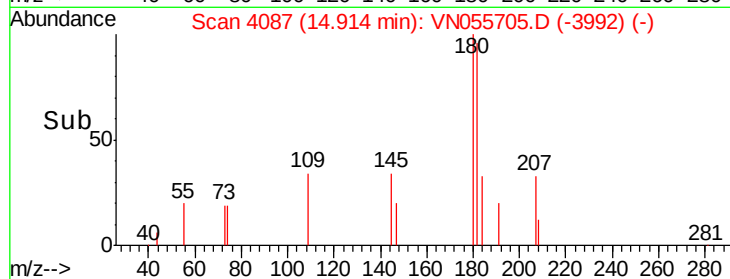
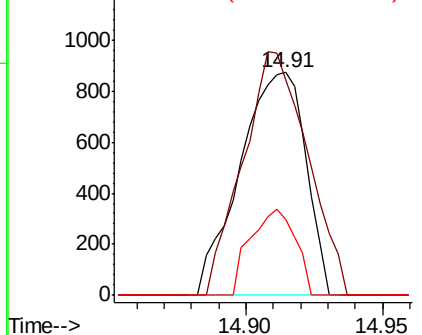
#93
 1,2,4-Trichlorobenzene
 Concen: 0.505 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1462
 Ion Ratio Lower Upper
 180 100
 182 107.5 47.9 143.6
 145 26.4 14.3 42.9

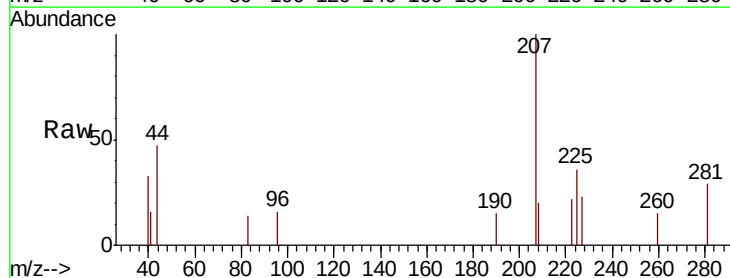


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

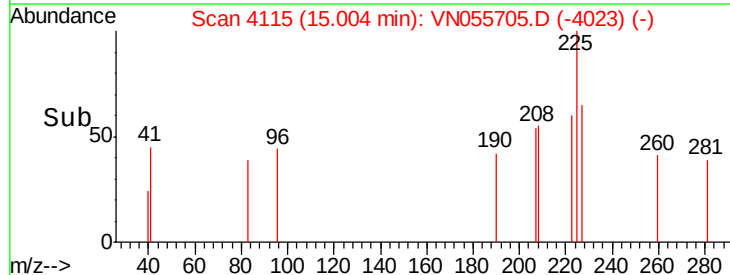
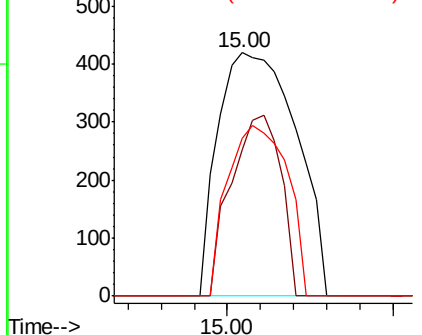


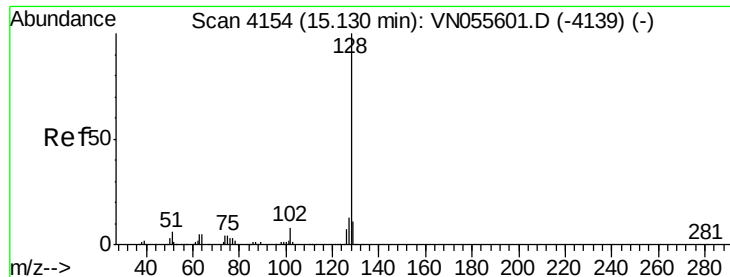
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN055705.D
 Acq: 21 May 2019 13:29

Tgt Ion:225 Resp: 691
 Ion Ratio Lower Upper
 225 100
 223 46.7 31.6 94.7
 227 53.1 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.333 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

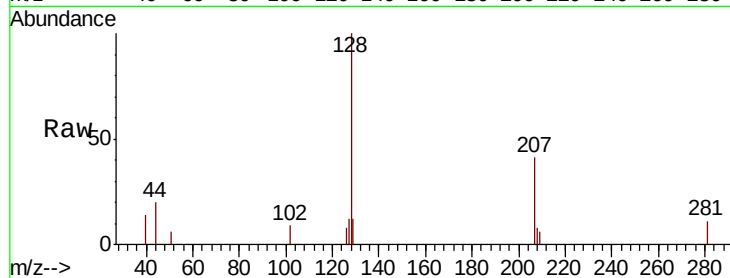
Tot Ion:128 Resp: 5156

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.4

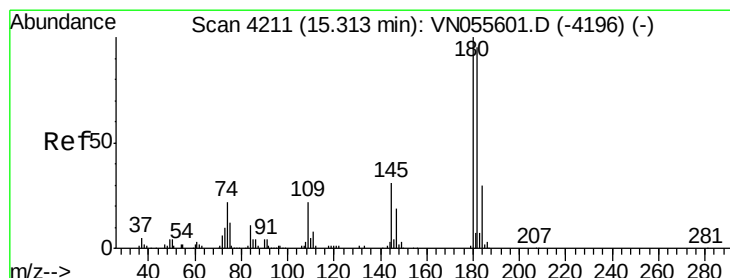
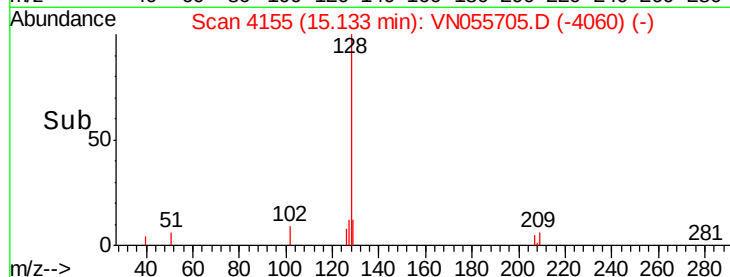
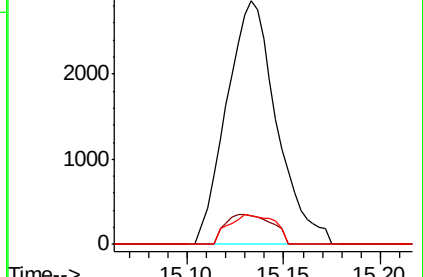
129 11.3 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.684 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055705.D

Acq: 21 May 2019 13:29

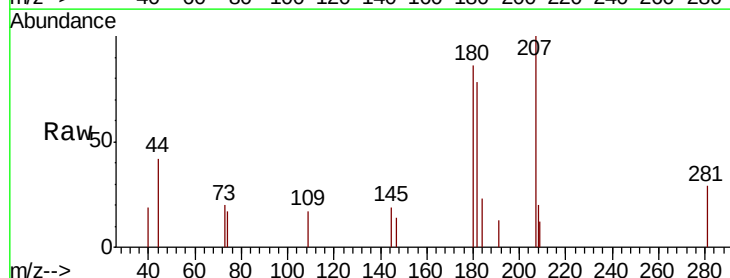
Tgt Ion:180 Resp: 2070

Ion Ratio Lower Upper

180 100

182 93.6 47.9 143.6

145 20.5 15.4 46.1



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

