

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053537.D
 Acq On : 28 Jan 2019 11:27
 Operator : JC/SP
 Sample : K1256-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 30093

Quant Time: Jan 29 06:13:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	823991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1312167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1206301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	556110	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	431019	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
35) Dibromofluoromethane	7.59	113	415328	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
50) Toluene-d8	10.09	98	1591507	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	552184	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	2918	0.308	ug/l	97
11) Tert butyl alcohol	4.77	59	596	1.496	ug/l #	72
13) Acrolein	3.61	56	32	22.775	ug/l #	66
16) Acetone	3.82	43	21544	11.275	ug/l	96
17) Carbon Disulfide	4.06	76	11009	0.496	ug/l	99
18) Methyl Acetate	4.33	43	3941	0.612	ug/l #	71
20) Methylene Chloride	4.55	84	9196	1.054	ug/l #	92
25) 2-Butanone	6.84	43	20001	6.792	ug/l	99
28) Bromochloromethane	7.19	49	2180	0.336	ug/l #	60
29) Tetrahydrofuran	7.21	42	641	0.334	ug/l #	37
30) Chloroform	7.37	83	10079	0.703	ug/l	97
31) Cyclohexane	7.67	56	12844	0.677	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48747	4.079	ug/l #	43
37) Ethyl Acetate	6.84	43	20001	2.909	ug/l #	67
38) Carbon Tetrachloride	7.67	117	66009	5.835	ug/l #	16
40) Benzene	8.04	78	37923	1.044	ug/l	96
41) Methacrylonitrile	7.19	41	3793	1.584	ug/l #	30
43) Isopropyl Acetate	8.33	43	252774	20.447	ug/l #	51
51) 4-Methyl-2-Pentanone	9.99	43	70967	10.516	ug/l	100
52) Toluene	10.16	92	131540	5.835	ug/l	99
55) 1,1,2-Trichloroethane	10.42	97	39696	5.107	ug/l #	18
56) Ethyl methacrylate	10.35	69	21573	3.933	ug/l #	59
58) 2-Chloroethyl Vinyl ether	9.71	63	2081	0.383	ug/l #	48
59) 2-Hexanone	10.75	43	1662	0.351	ug/l	63
67) Ethyl Benzene	11.62	91	297995	6.848	ug/l #	70
68) m/p-Xylenes	11.62	106	147257	8.963	ug/l	100
69) o-Xylene	11.95	106	184742	11.572	ug/l	100
70) Styrene	11.95	104	12805	0.494	ug/l #	1
71) Bromoform	12.40	173	3713	0.607	ug/l #	1
73) Isopropylbenzene	12.25	105	10039	0.247	ug/l	100
76) 1,2,3-Trichloropropane	12.40	75	261705	35.711	ug/l #	100
78) n-propylbenzene	12.59	91	10357	0.222	ug/l #	52
79) 2-Chlorotoluene	12.66	91	38828	1.401	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	203383	6.138	ug/l	99

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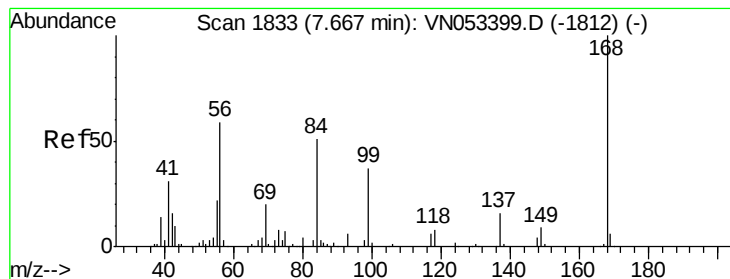
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

81) trans-1,4-Dichloro-2-buten	12.40	75	261705	88.329	uq/l #	15
82) 4-Chlorotoluene	12.73	91	18674	0.661	uq/l #	39
83) tert-Butylbenzene	13.04	119	28449	0.972	uq/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	230566	6.901	uq/l	99
85) sec-Butylbenzene	13.04	105	230566	5.745	uq/l #	56
86) p-Isopropyltoluene	13.29	119	52516	1.507	uq/l	98
87) 1,3-Dichlorobenzene	13.36	146	86947	4.606	uq/l	96
88) 1,4-Dichlorobenzene	13.36	146	86947	4.592	uq/l	96
89) n-Butylbenzene	13.58	91	29439	0.991	uq/l #	1
90) Hexachloroethane	13.89	117	16265	2.976	uq/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1828	1.688	uq/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	472	2.824	uq/l #	82
95) Naphthalene	15.14	128	7296	4.439	uq/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	449	3.978	uq/l #	78

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

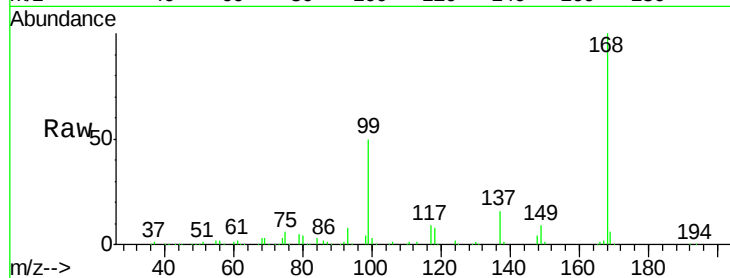
30093

Tot Ion:168 Resp: 823991

Ion Ratio Lower Upper

168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

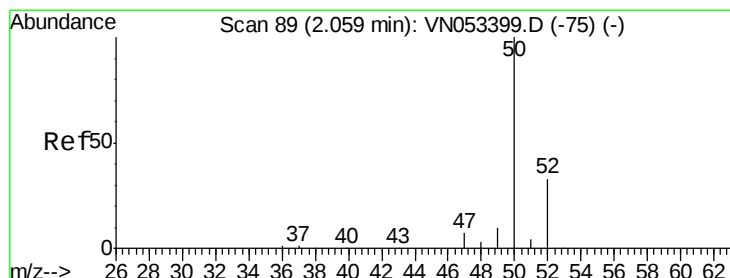
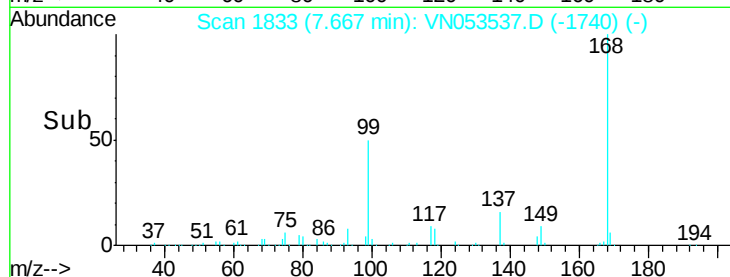
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.308 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053537.D

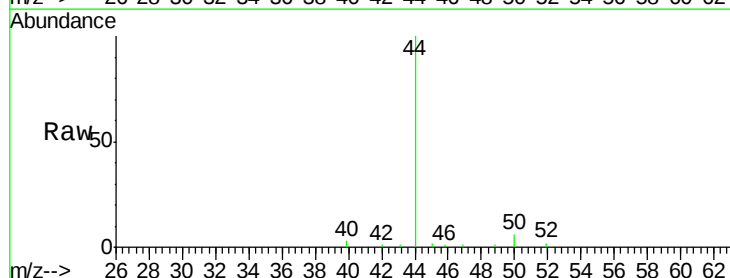
Acq: 28 Jan 2019 11:27

Tgt Ion: 50 Resp: 2918

Ion Ratio Lower Upper

50 100

52 31.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

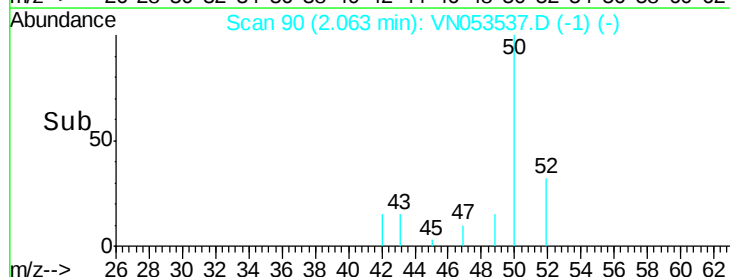
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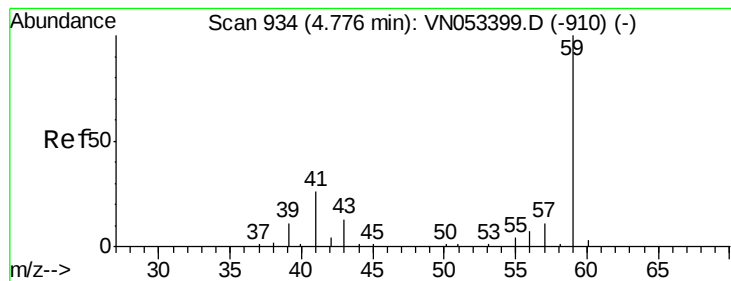
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500

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Time-->



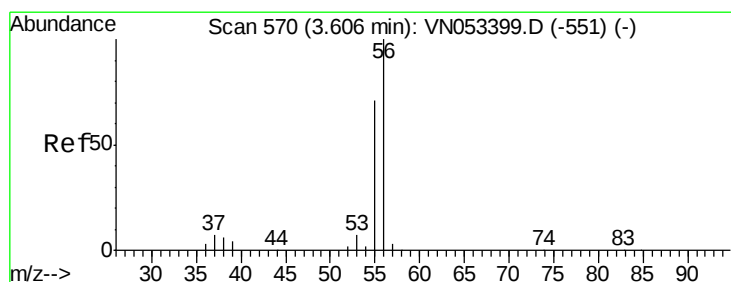
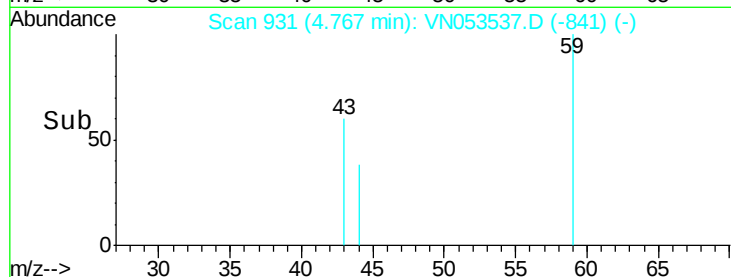
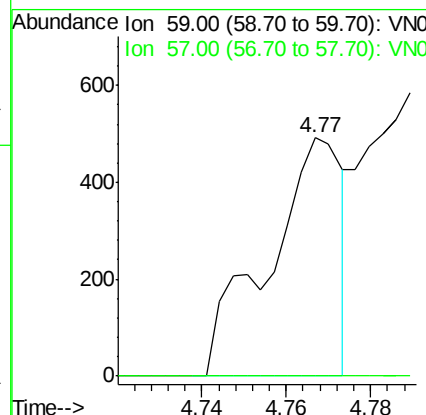
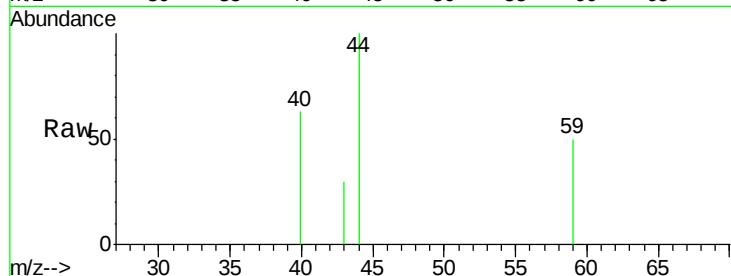


#11

Tert butyl alcohol
 Concen: 1.496 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: VN053537.D
 Acq: 28 Jan 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 30093

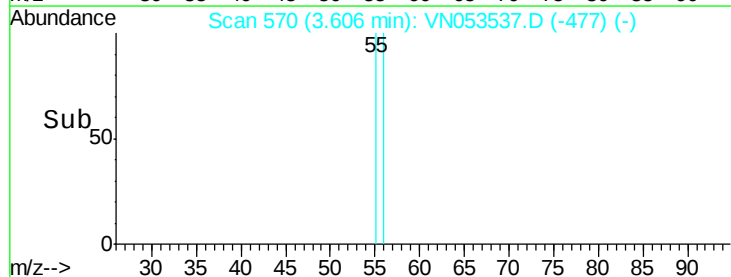
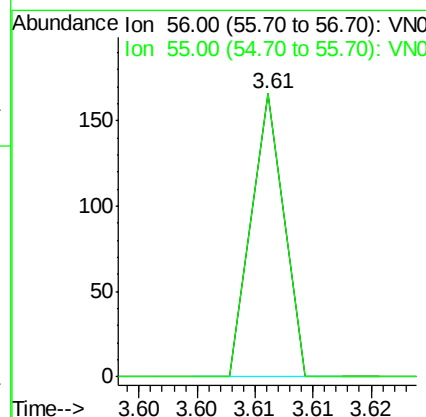
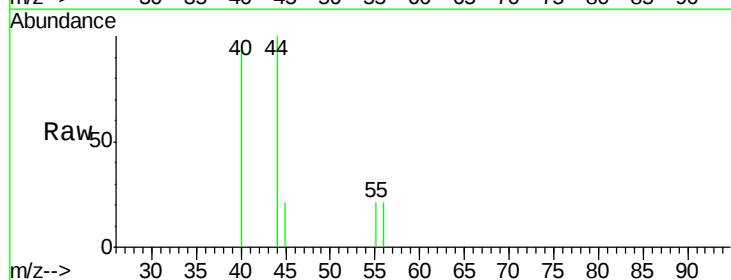
Tot Ion: 59 Resp: 596
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

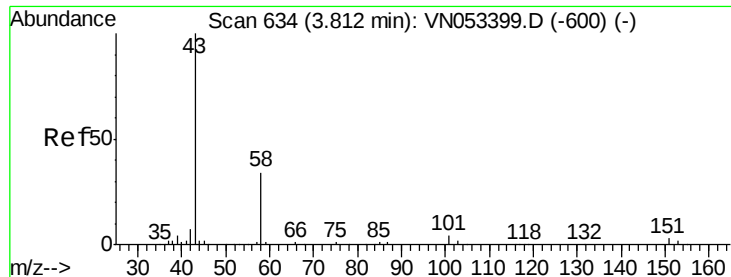


#13

Acrolein
 Concen: 22.775 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN053537.D
 Acq: 28 Jan 2019 11:27

Tgt Ion: 56 Resp: 32
 Ion Ratio Lower Upper
 56 100
 55 100.0 57.4 86.0#





#16

Acetone

Concen: 11.275 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

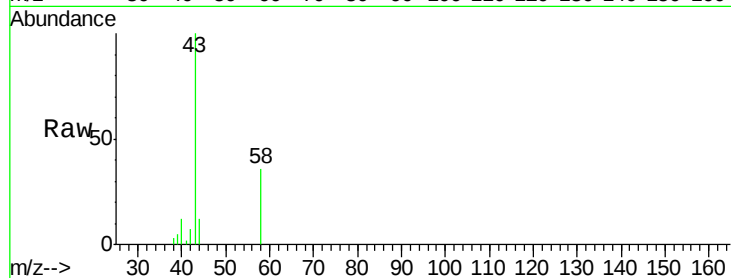
30093

Tot Ion: 43 Resp: 21544

Ion Ratio Lower Upper

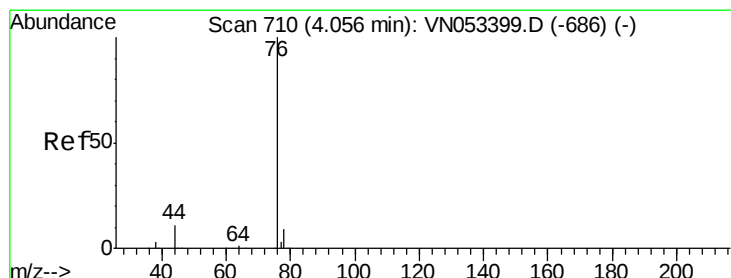
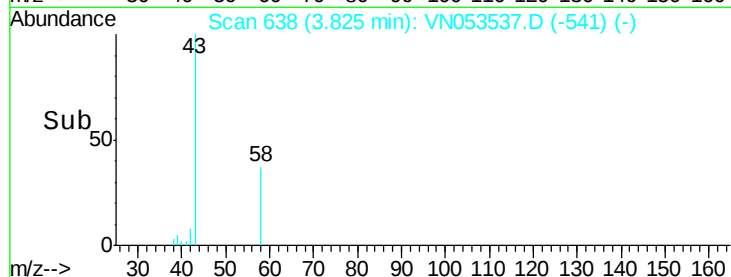
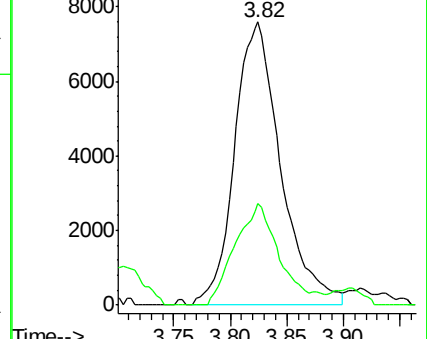
43 100

58 35.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#17

Carbon Disulfide

Concen: 0.496 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053537.D

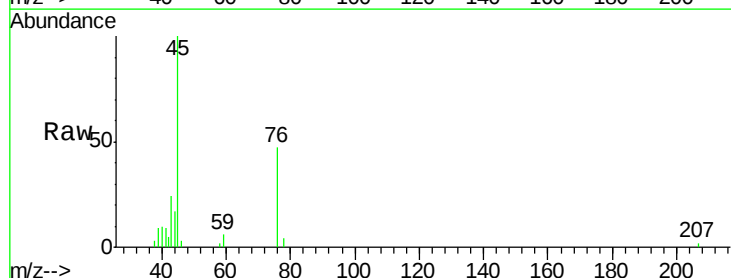
Acq: 28 Jan 2019 11:27

Tgt Ion: 76 Resp: 11009

Ion Ratio Lower Upper

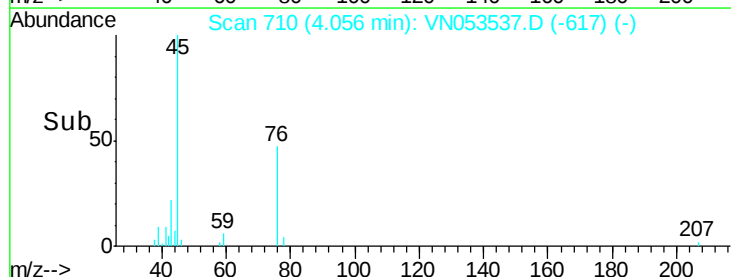
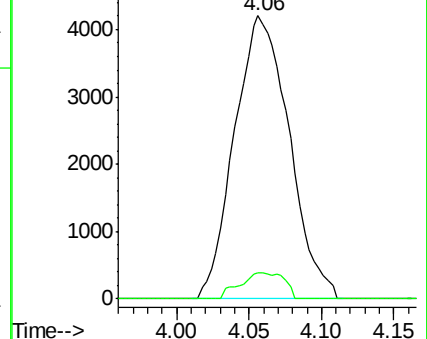
76 100

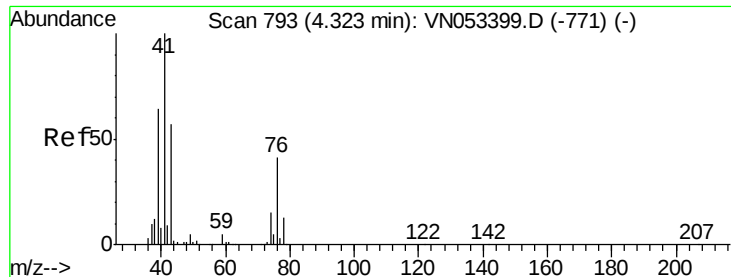
78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

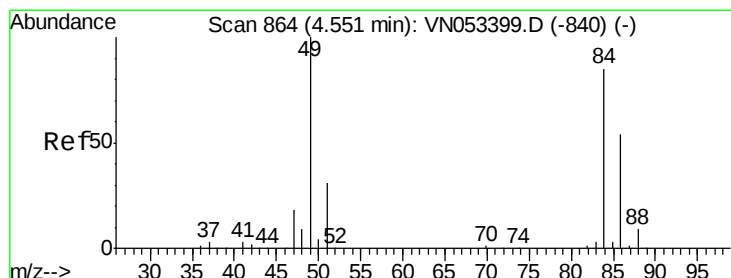
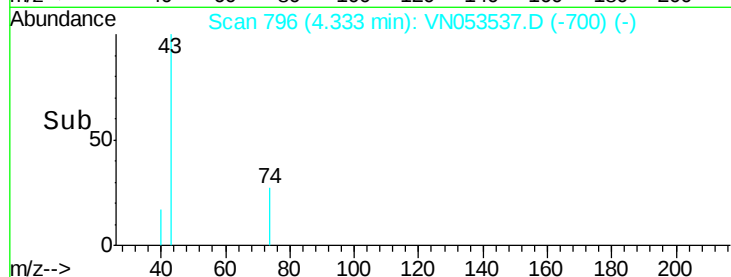
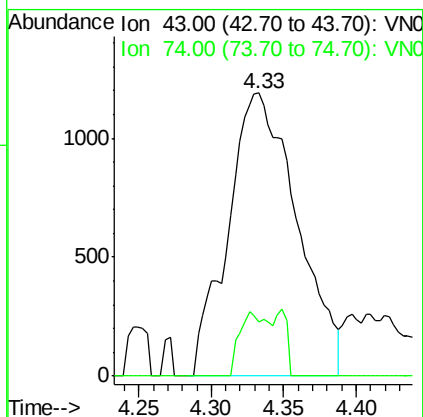
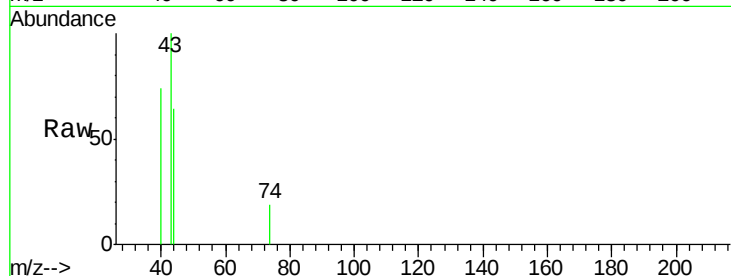




#18
Methyl Acetate
Concen: 0.612 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

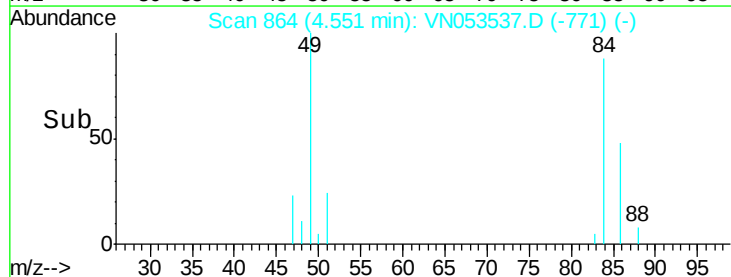
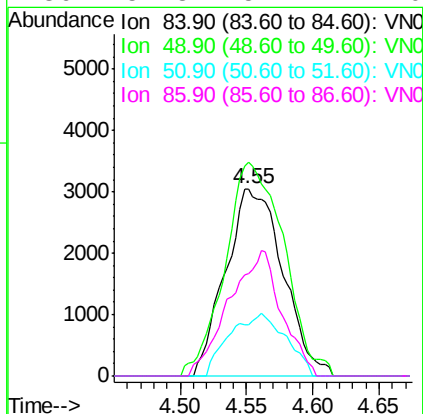
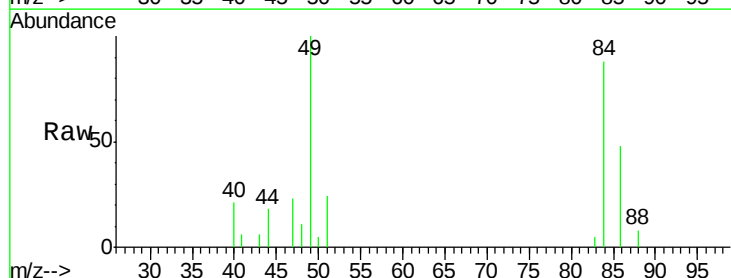
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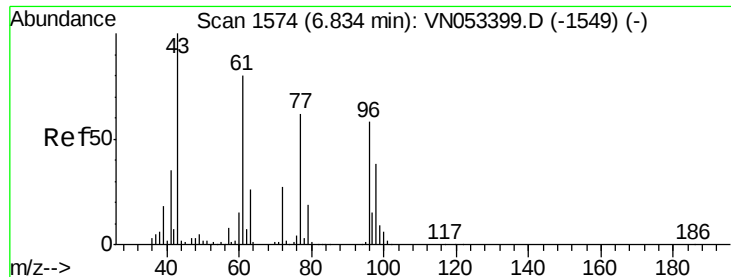
Tot Ion: 43 Resp: 3941
Ion Ratio Lower Upper
43 100
74 9.7 19.4 29.2#



#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion: 84 Resp: 9196
Ion Ratio Lower Upper
84 100
49 114.1 94.3 141.5
51 27.5 29.4 44.2#
86 54.8 51.4 77.0

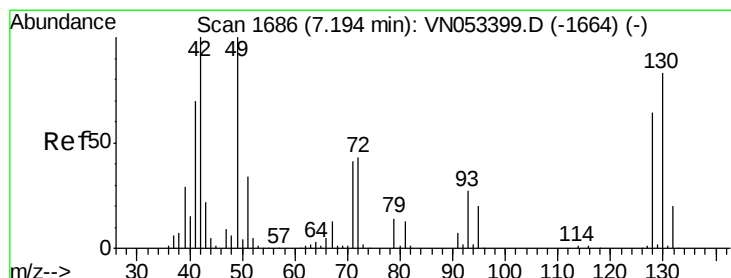
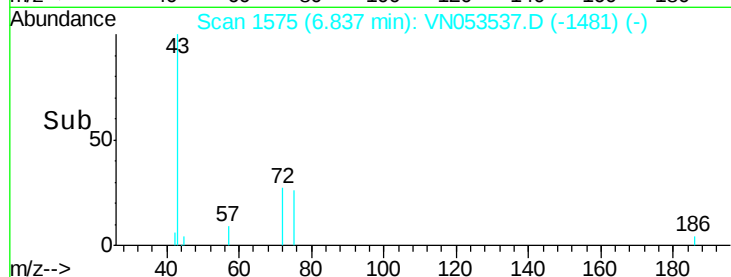
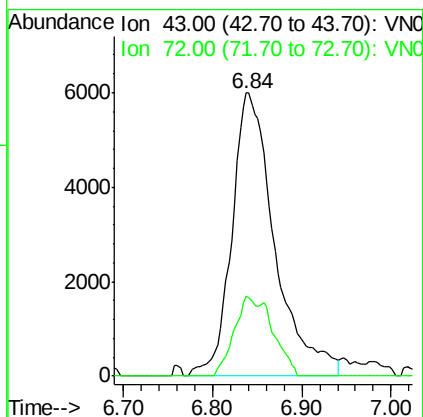
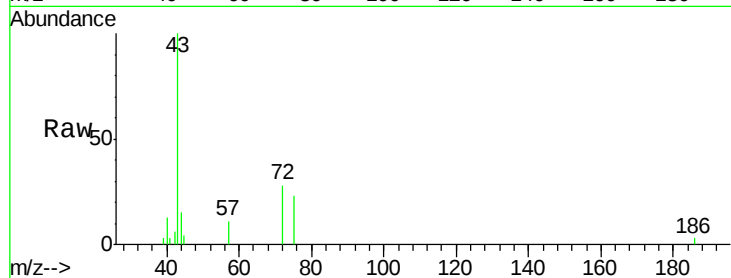




#25
2-Butanone
Concen: 6.792 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

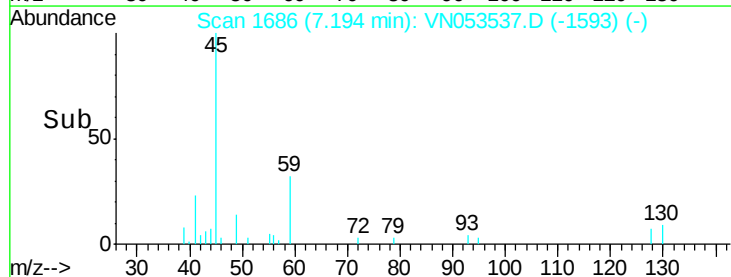
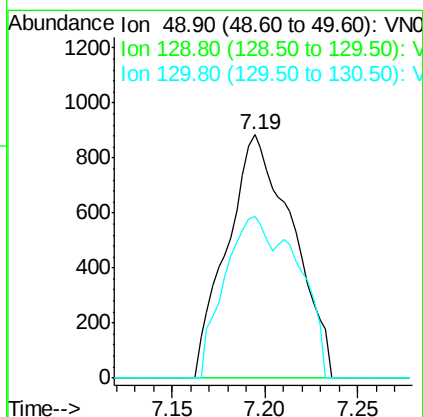
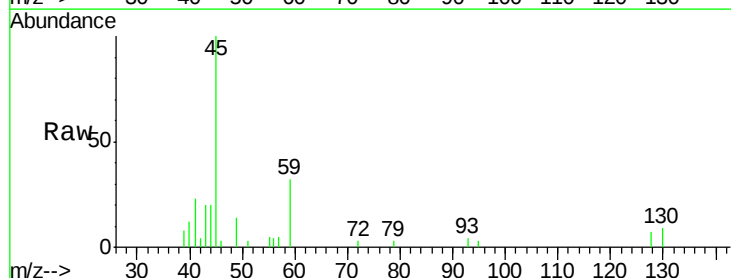
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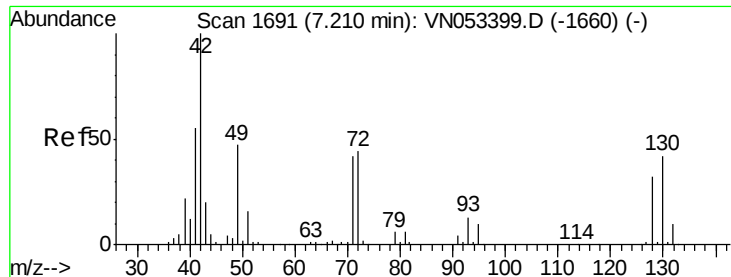
Tot Ion: 43 Resp: 20001
Ion Ratio Lower Upper
43 100
72 28.2 22.0 33.0



#28
Bromochloromethane
Concen: 0.336 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion: 49 Resp: 2180
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 46.1 66.3 99.5#





#29

Tetrahydrofuran

Concen: 0.334 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

30093

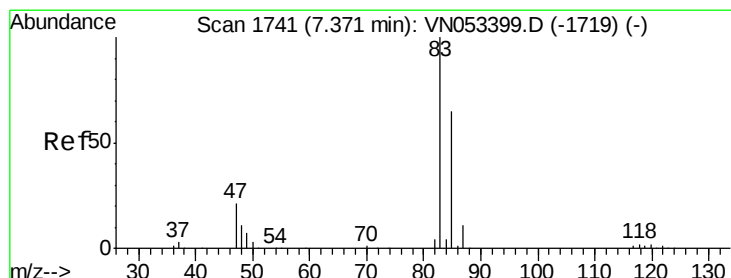
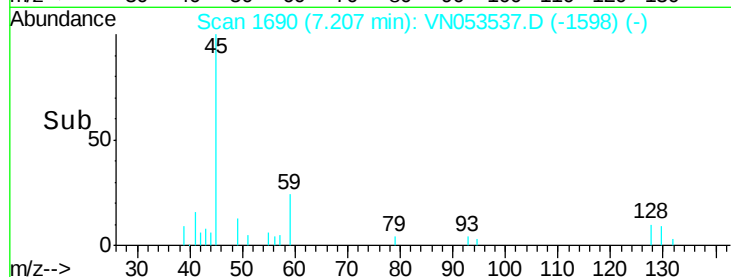
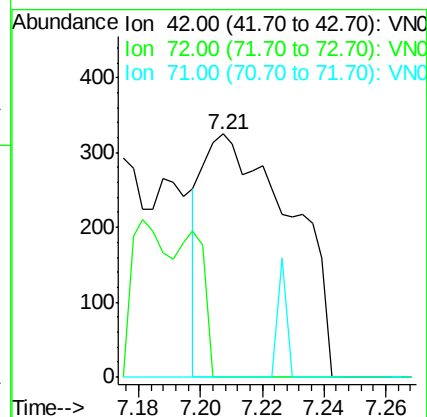
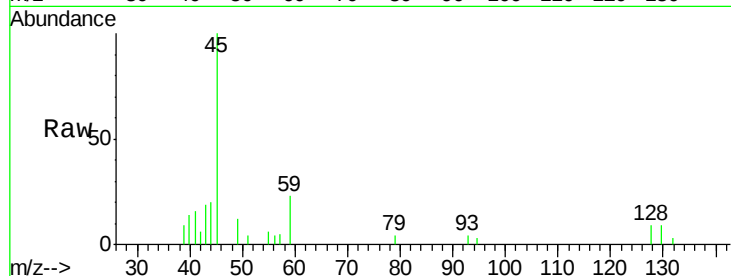
Tot Ion: 42 Resp: 641

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 4.8 33.0 49.4#



#30

Chloroform

Concen: 0.703 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053537.D

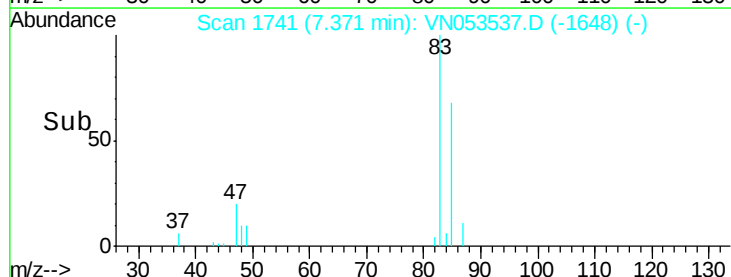
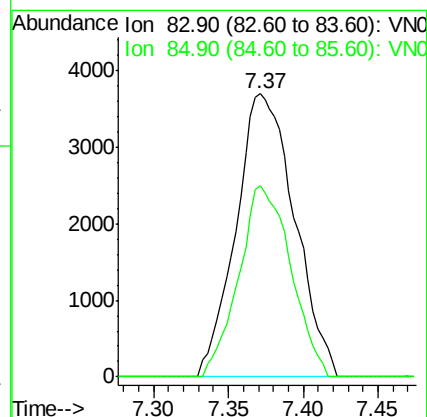
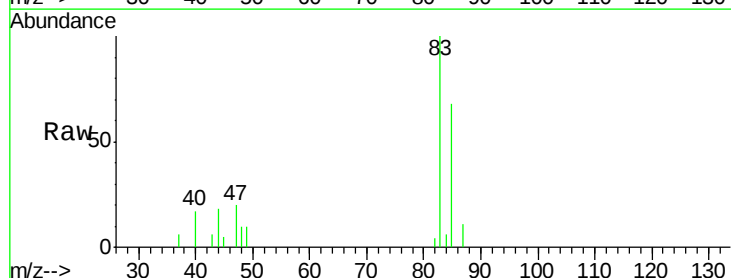
Acq: 28 Jan 2019 11:27

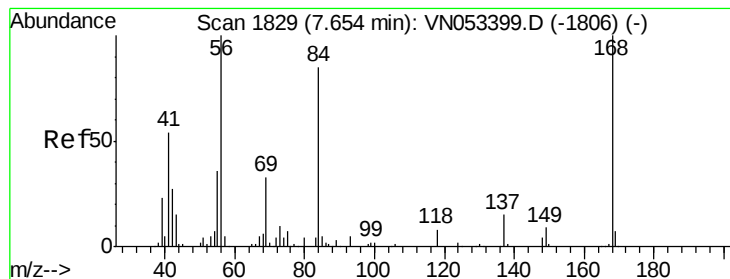
Tgt Ion: 83 Resp: 10079

Ion Ratio Lower Upper

83 100

85 67.6 52.2 78.2





#31

Cyclohexane

Concen: 0.677 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

30093

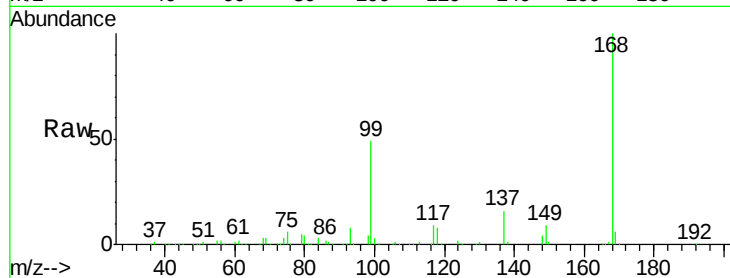
Tot Ion: 56 Resp: 12844

Ion Ratio Lower Upper

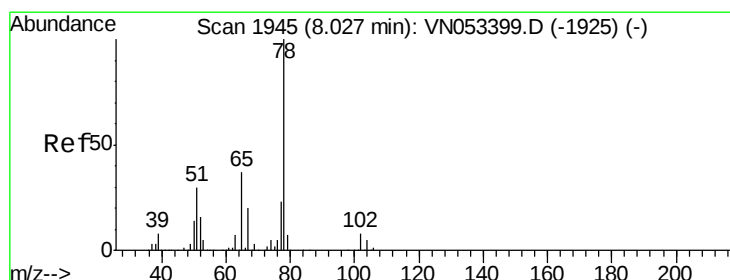
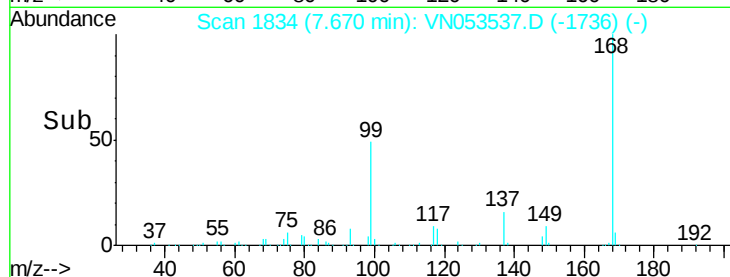
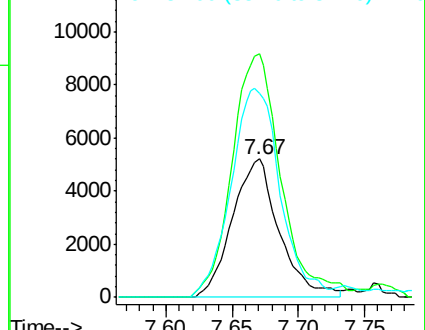
56 100

69 176.3 26.4 39.6#

84 147.9 67.9 101.9#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053537.D

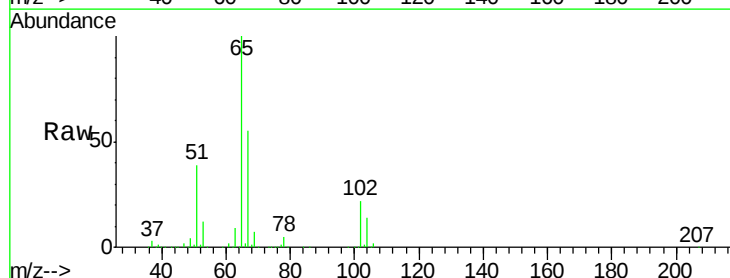
Acq: 28 Jan 2019 11:27

Tgt Ion: 65 Resp: 431019

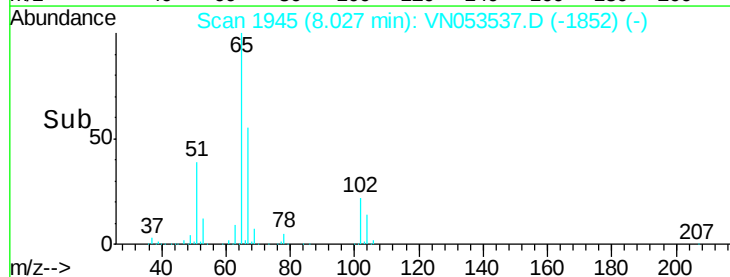
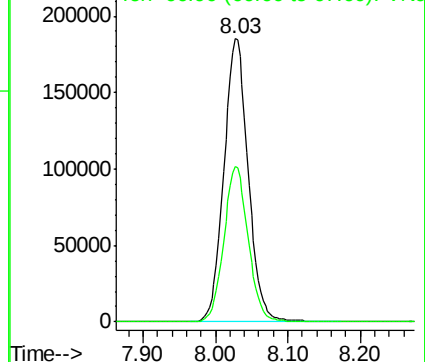
Ion Ratio Lower Upper

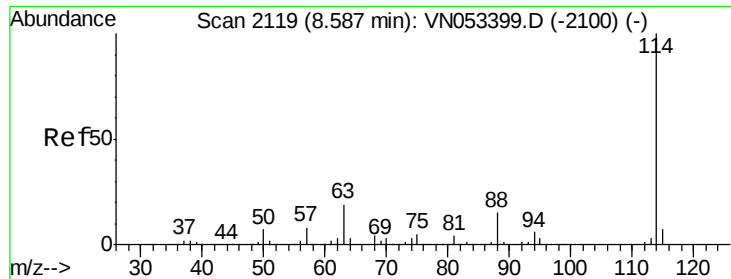
65 100

67 54.7 0.0 111.2



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

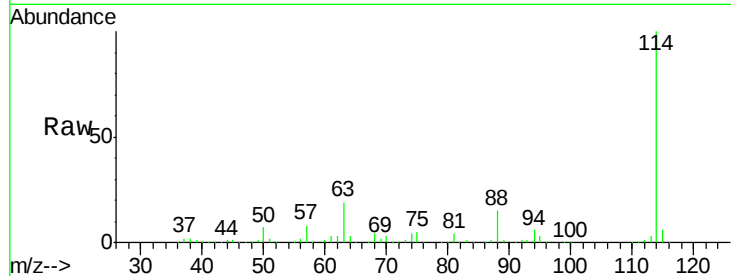




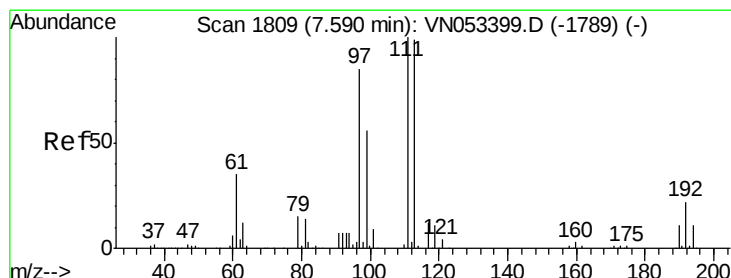
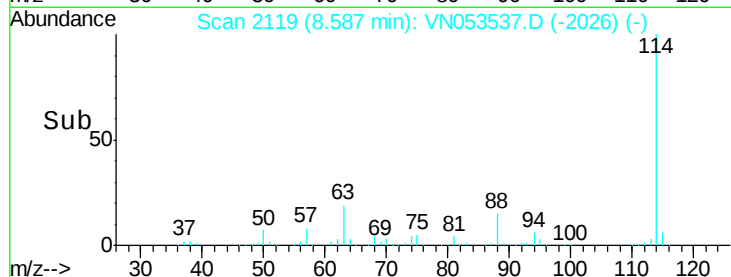
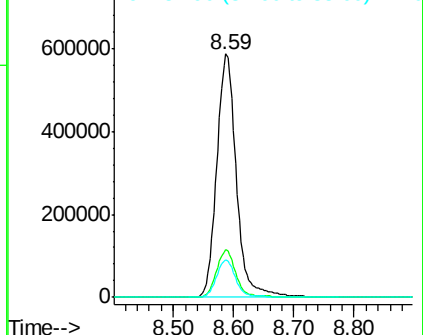
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053537.D
 Acq: 28 Jan 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 30093

Tot Ion:114 Resp: 1312167
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.3 0.0 30.4

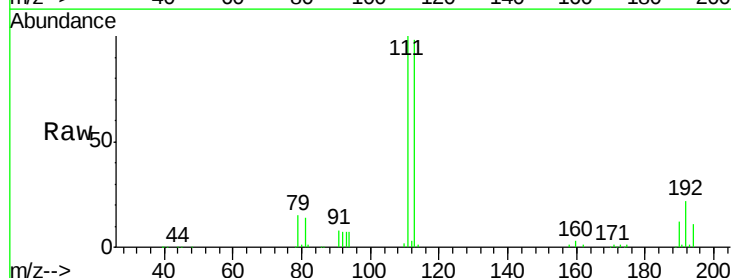


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

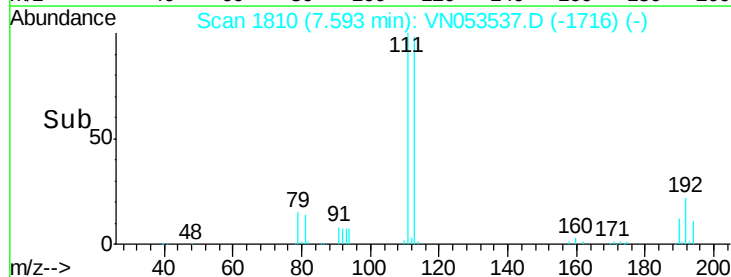
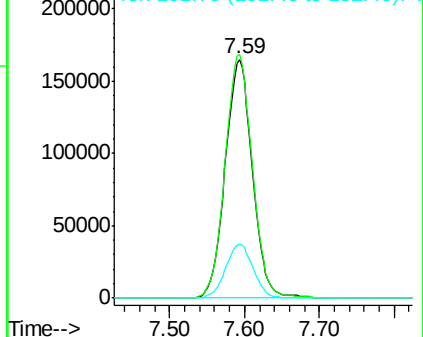


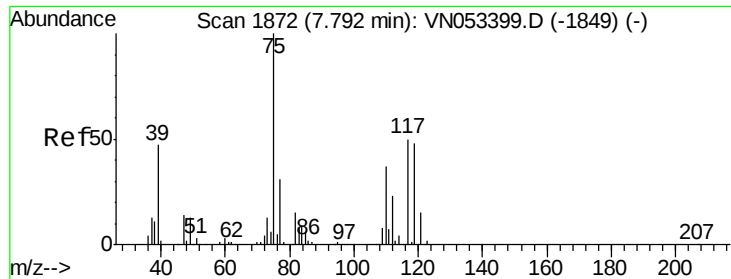
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053537.D
 Acq: 28 Jan 2019 11:27

Tgt Ion:113 Resp: 415328
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.1 121.7
 192 23.0 18.2 27.2



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





#36

1,1-Dichloropropene

Concen: 4.079 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

30093

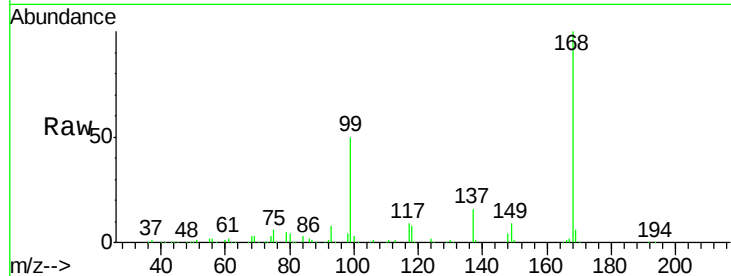
Tot Ion: 75 Resp: 48747

Ion Ratio Lower Upper

75 100

110 2.5 18.1 54.3#

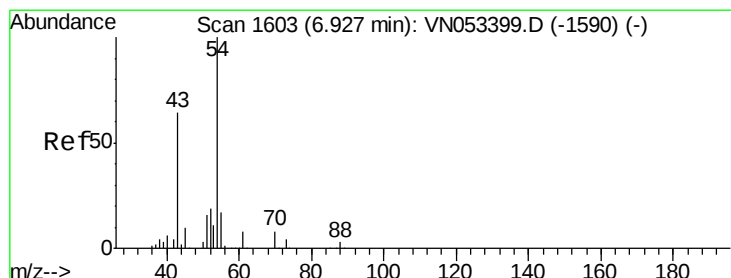
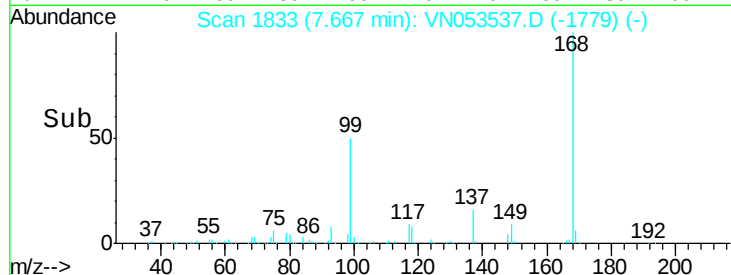
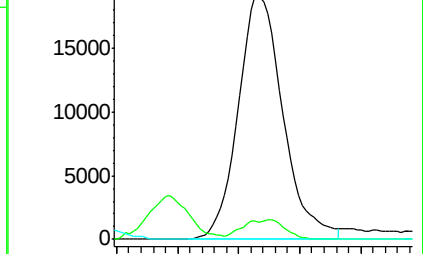
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 2.909 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.09 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

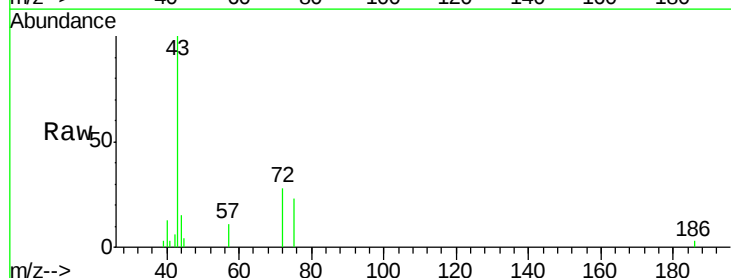
Tgt Ion: 43 Resp: 20001

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

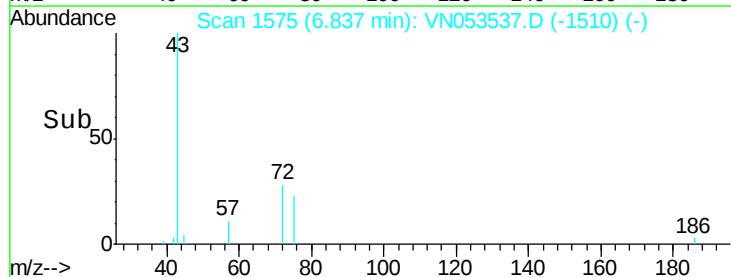
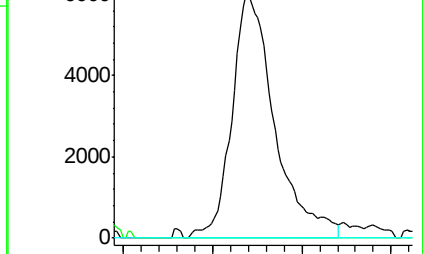
70 0.0 8.6 12.8#

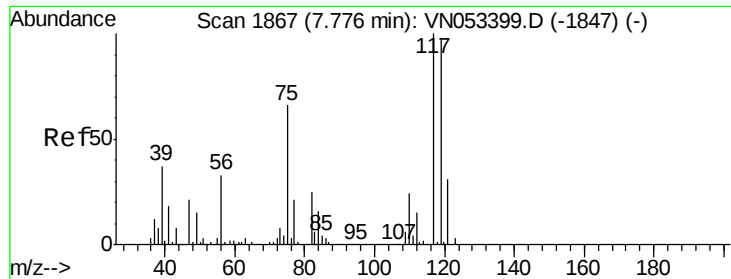


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

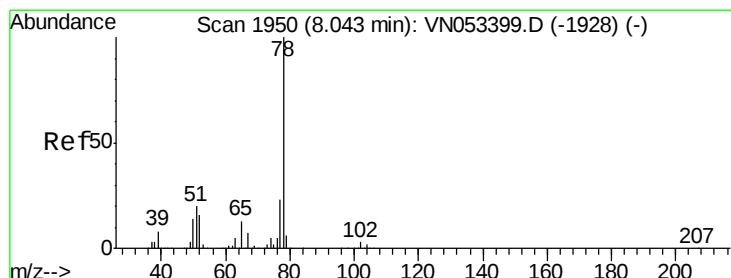
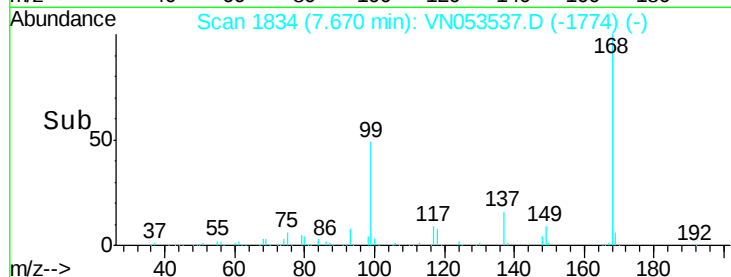
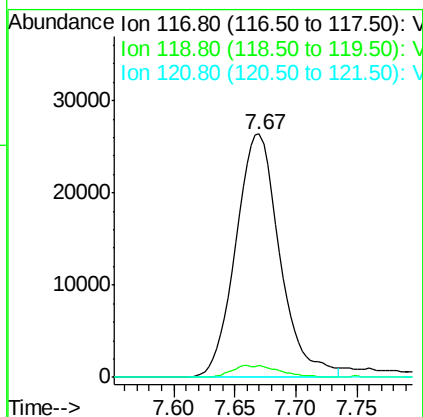
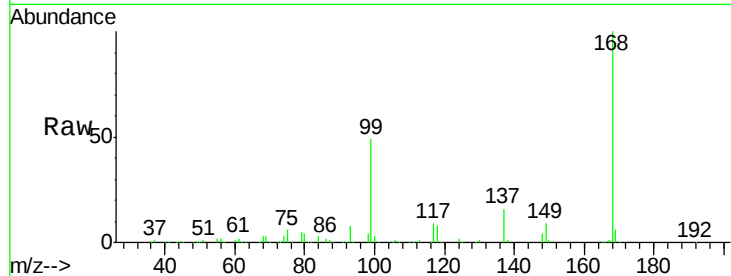




#38
Carbon Tetrachloride
Concen: 5.835 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

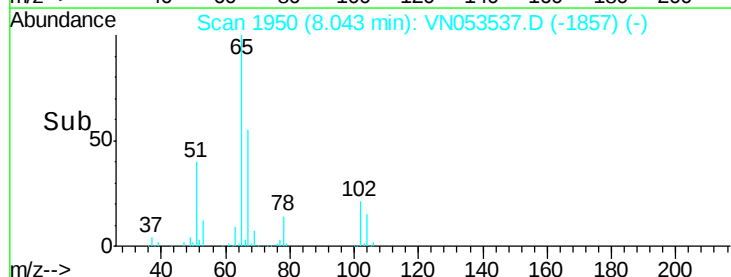
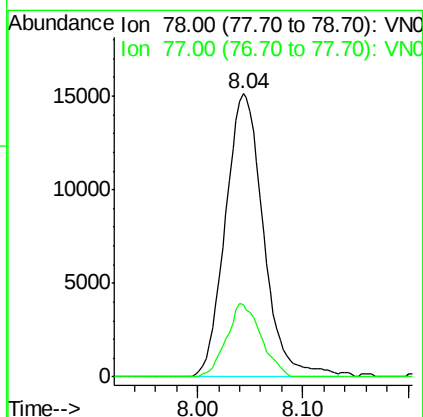
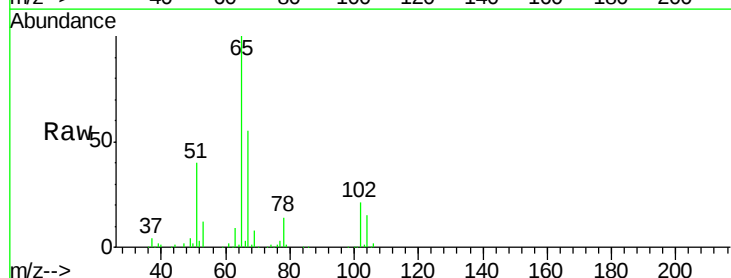
Instrument :
MSVOA_N
ClientSampled :
30093

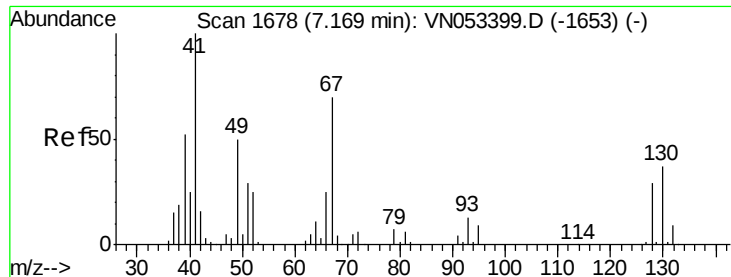
Tot Ion:117 Resp: 66009
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 1.044 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion: 78 Resp: 37923
Ion Ratio Lower Upper
78 100
77 25.3 18.8 28.2

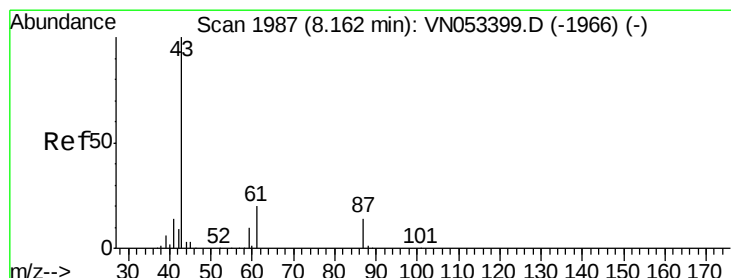
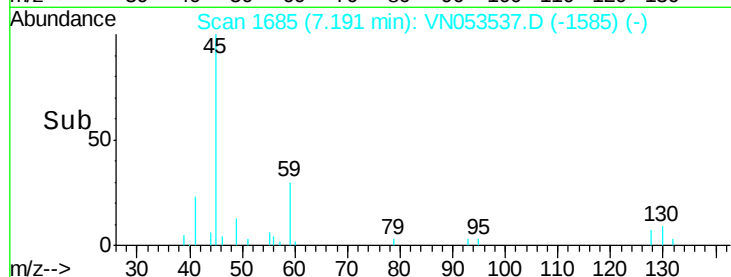
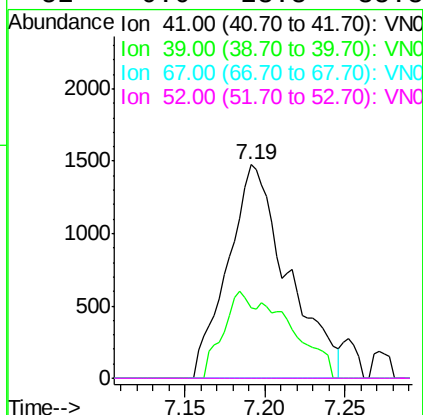
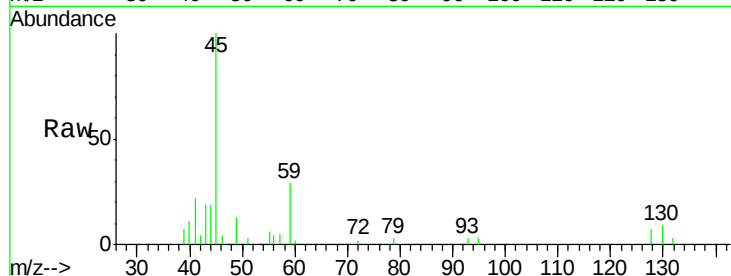




#41
Methacrylonitrile
Concen: 1.584 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

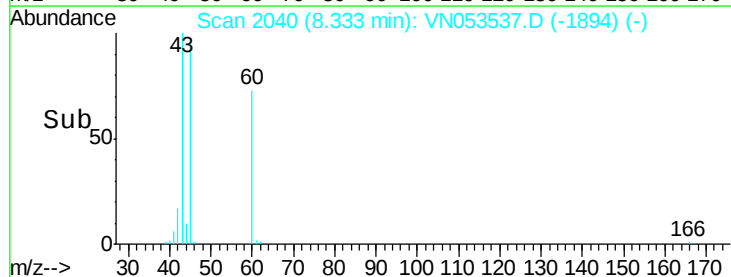
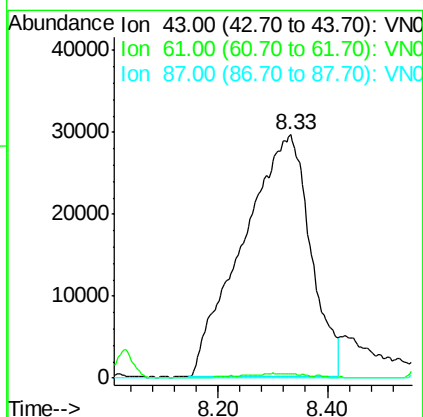
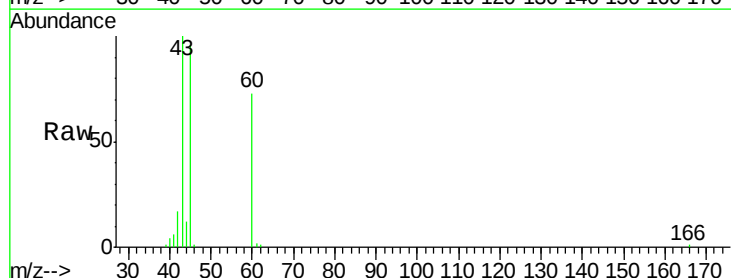
Instrument :
MSVOA_N
ClientSampled :
30093

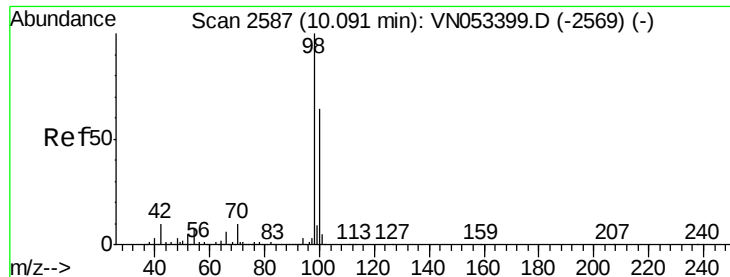
Tot Ion: 41 Resp: 3793
Ion Ratio Lower Upper
41 100
39 20.8 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 20.447 ug/l
RT: 8.33 min Scan# 2040
Delta R.T. 0.17 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion: 43 Resp: 252774
Ion Ratio Lower Upper
43 100
61 0.0 23.9 35.9#
87 0.0 11.0 16.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

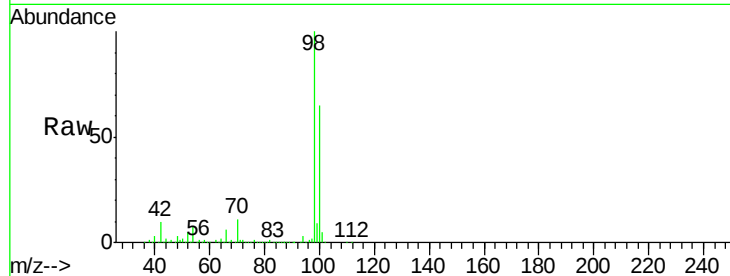
30093

Tot Ion: 98 Resp: 1591507

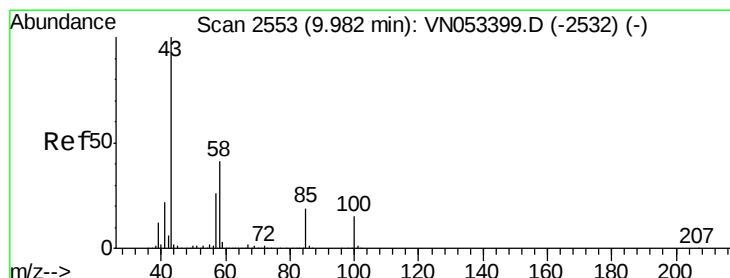
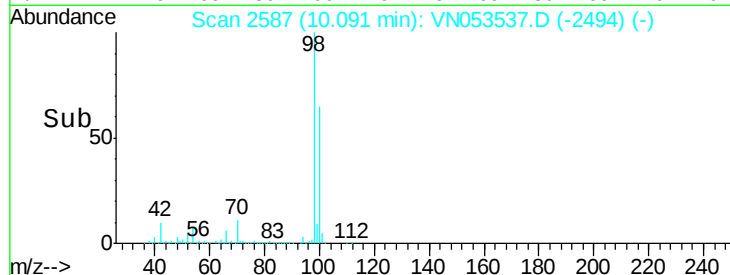
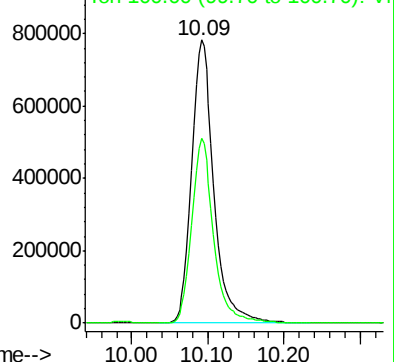
Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 10.516 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053537.D

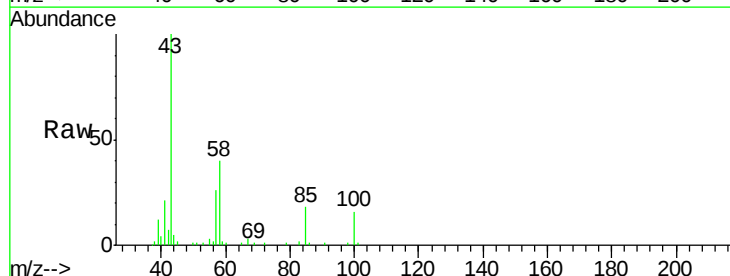
Acq: 28 Jan 2019 11:27

Tgt Ion: 43 Resp: 70967

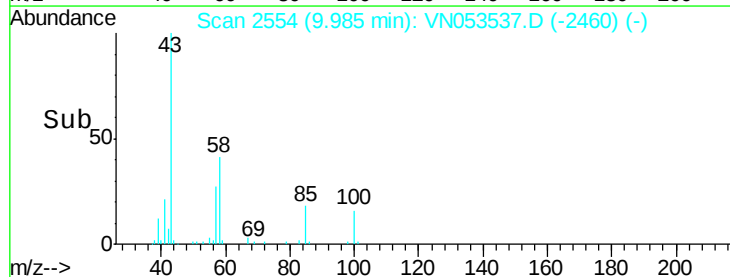
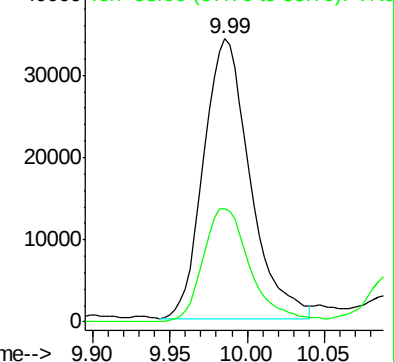
Ion Ratio Lower Upper

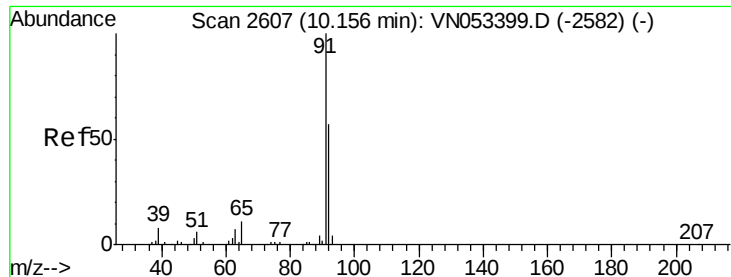
43 100

58 41.2 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-2532) (-)





#52

Toluene

Concen: 5.835 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

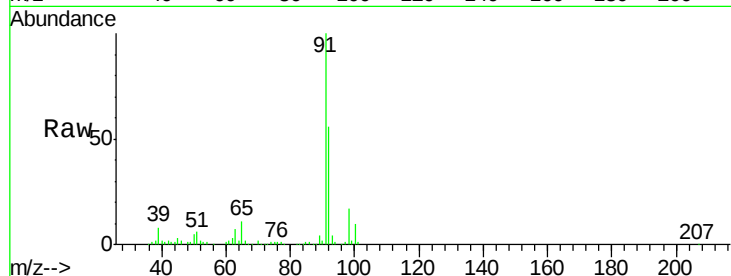
30093

Tot Ion: 92 Resp: 131540

Ion Ratio Lower Upper

92 100

91 176.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN053399.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN053399.D (-2582) (-)

120000

100000

80000

60000

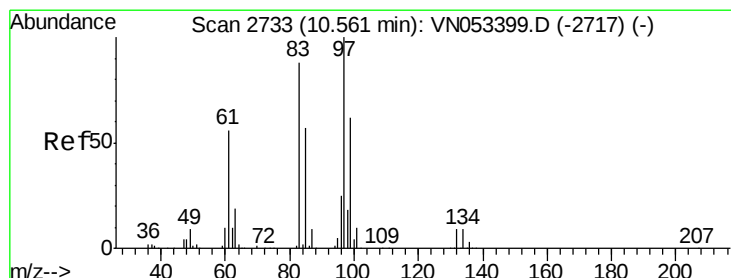
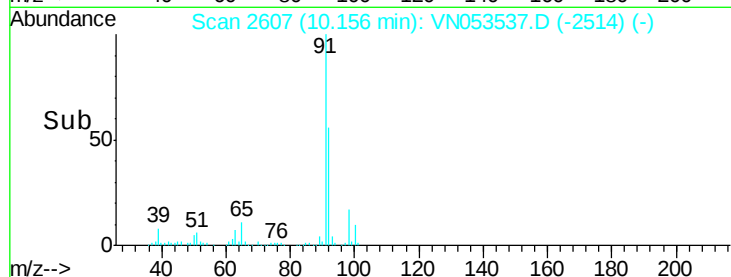
40000

20000

0

10.10 10.20 10.30

Time-->



#55

1,1,2-Trichloroethane

Concen: 5.107 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.14 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Tgt Ion: 97 Resp: 39696

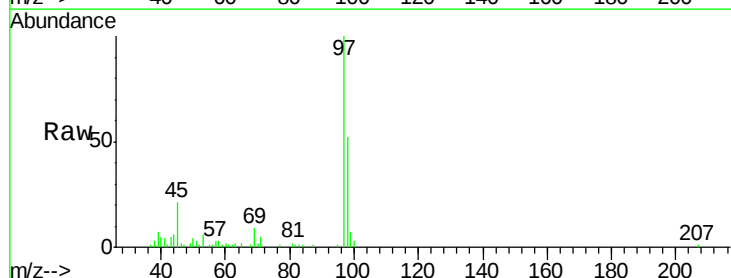
Ion Ratio Lower Upper

97 100

83 1.0 70.1 105.1#

85 0.0 45.4 68.0#

99 7.3 49.8 74.8#



Abundance Ion 96.90 (96.60 to 97.60): VN053399.D (-2717) (-)

Ion 82.90 (82.60 to 83.60): VN053399.D (-2717) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-2717) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-2717) (-)

30000

25000

20000

15000

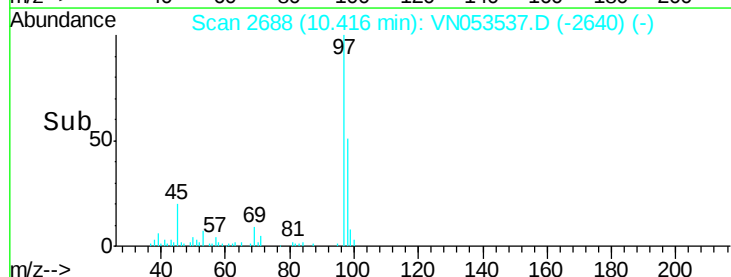
10000

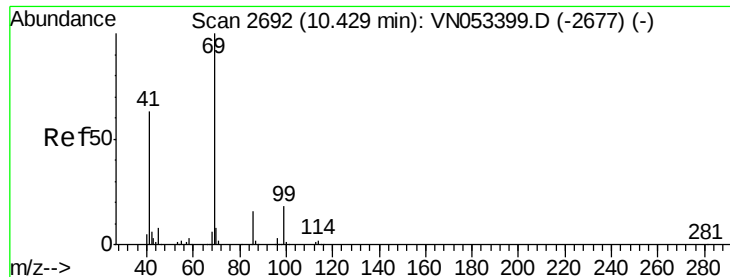
5000

0

10.40 10.50

Time-->





#56

Ethyl methacrylate

Concen: 3.933 ug/l

RT: 10.35 min Scan# 2669

Delta R.T. -0.07 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

30093

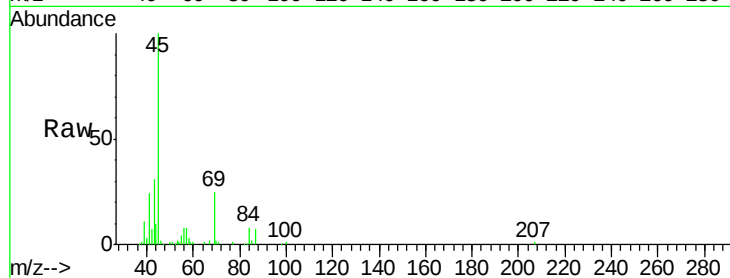
Tot Ion: 69 Resp: 21573

Ion Ratio Lower Upper

69 100

41 99.3 49.4 74.0#

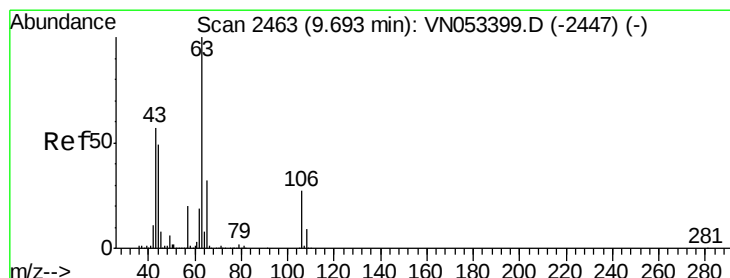
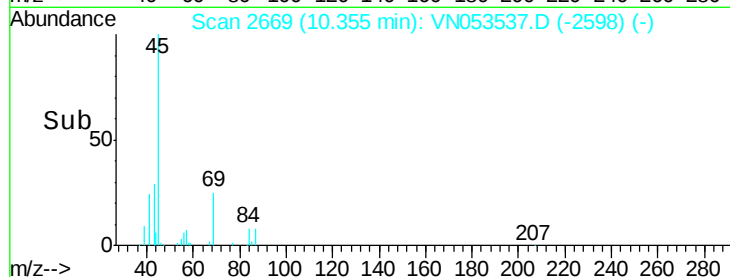
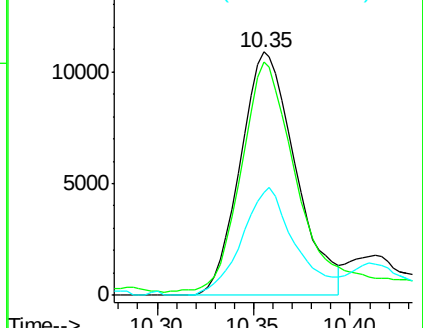
39 42.2 23.3 34.9#



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



#58

2-Chloroethyl Vinyl ether

Concen: 0.383 ug/l

RT: 9.71 min Scan# 2468

Delta R.T. 0.02 min

Lab File: VN053537.D

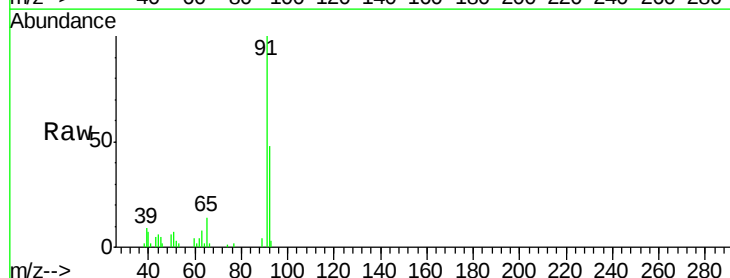
Acq: 28 Jan 2019 11:27

Tgt Ion: 63 Resp: 2081

Ion Ratio Lower Upper

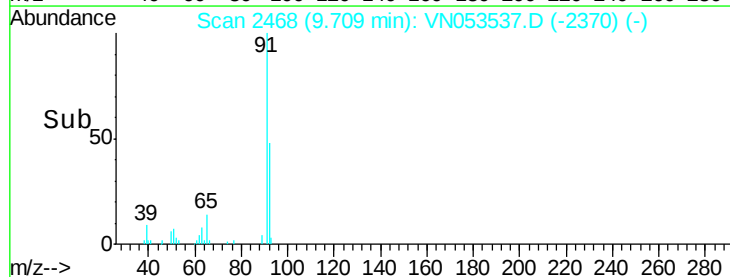
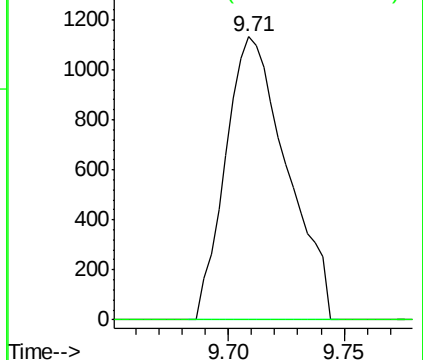
63 100

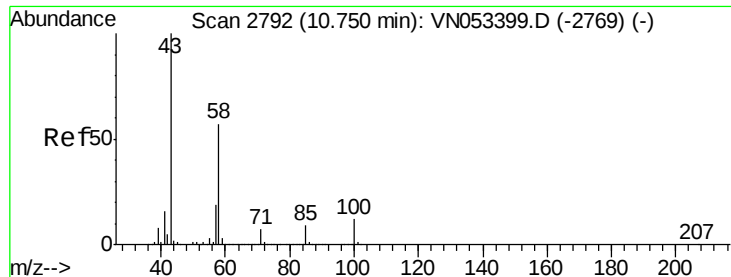
106 0.0 21.5 32.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

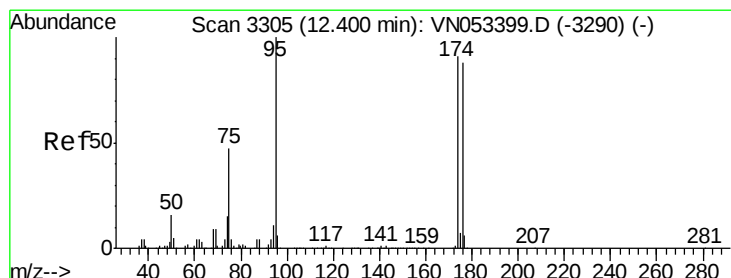
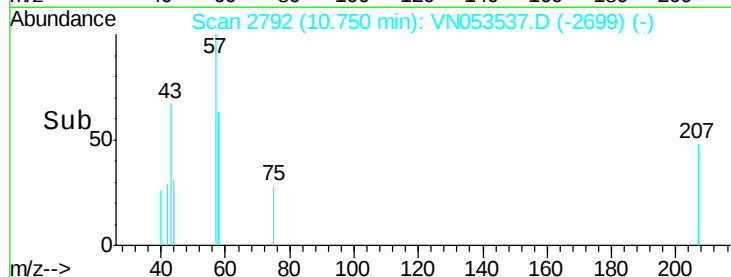
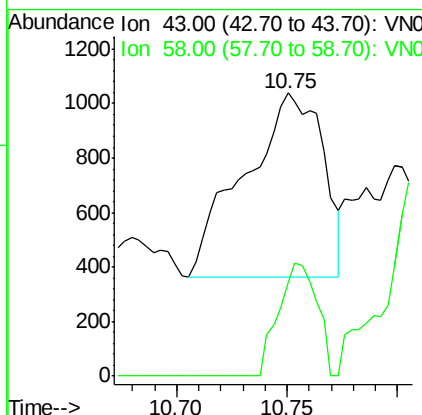
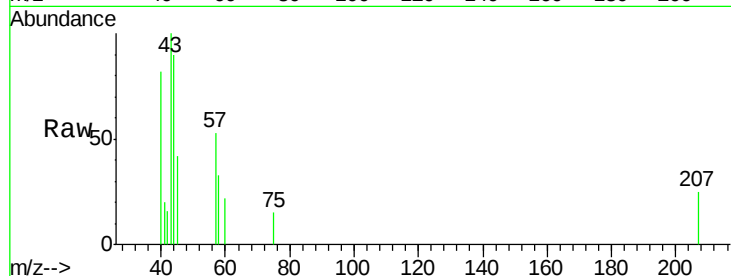




#59
2-Hexanone
Concen: 0.351 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

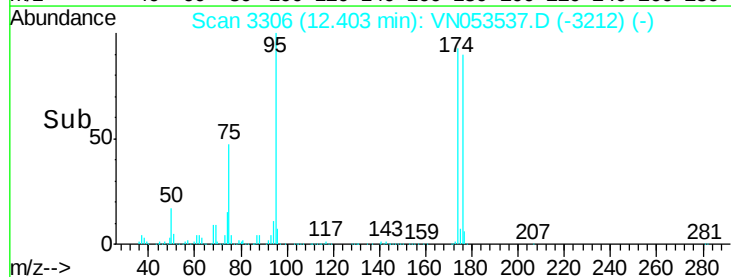
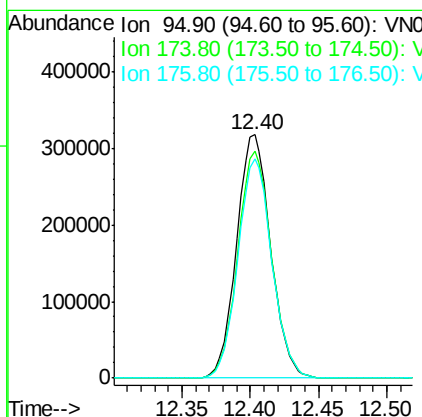
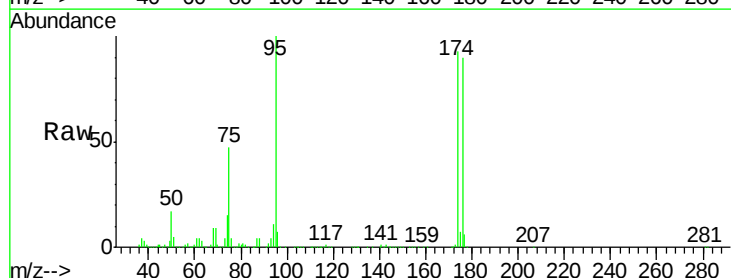
Instrument :
MSVOA_N
ClientSampled :
30093

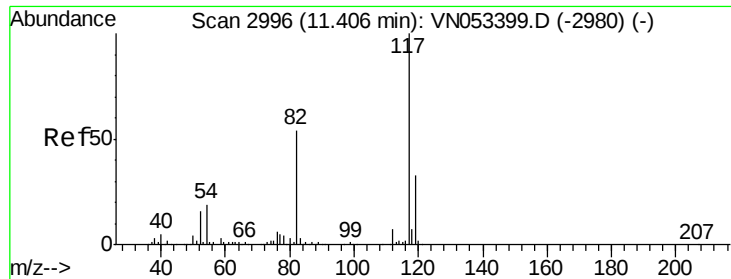
Tot Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
58 30.1 28.6 85.8



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion: 95 Resp: 552184
Ion Ratio Lower Upper
95 100
174 92.6 0.0 183.2
176 89.6 0.0 177.4

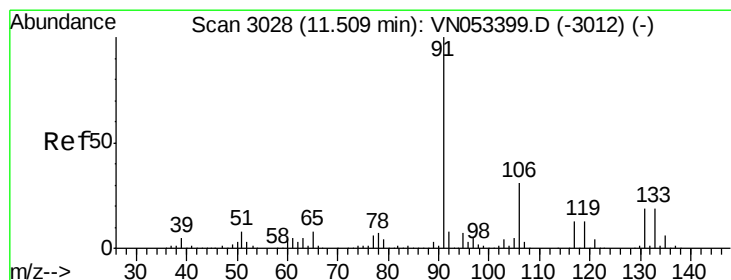
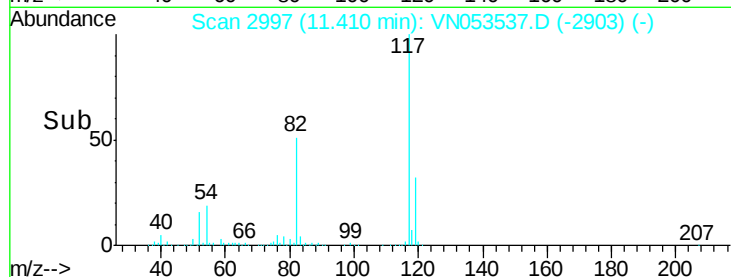
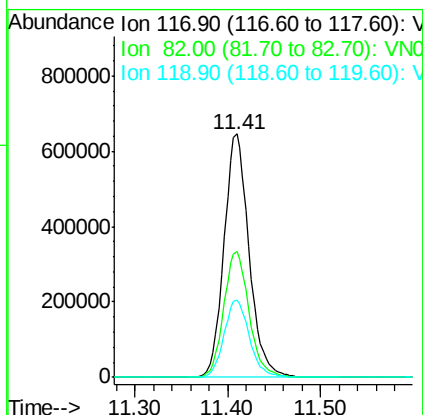
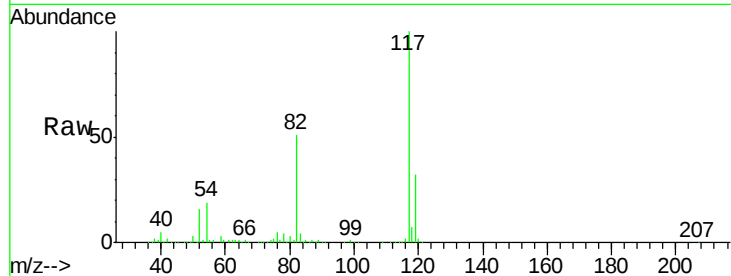




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

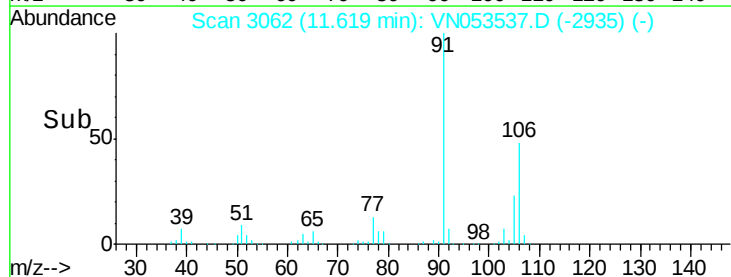
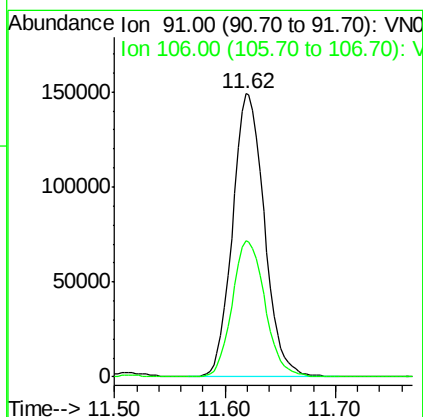
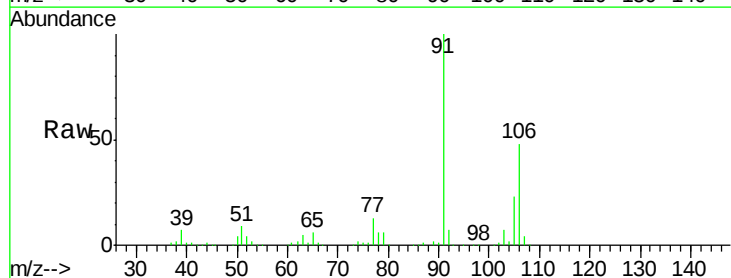
Instrument :
MSVOA_N
ClientSampled :
30093

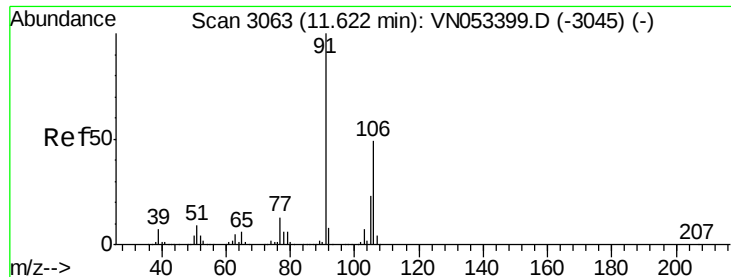
Tot Ion:117 Resp: 1206301
Ion Ratio Lower Upper
117 100
82 51.4 42.9 64.3
119 31.9 26.0 39.0



#67
Ethyl Benzene
Concen: 6.848 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.11 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion: 91 Resp: 297995
Ion Ratio Lower Upper
91 100
106 48.1 25.0 37.6#

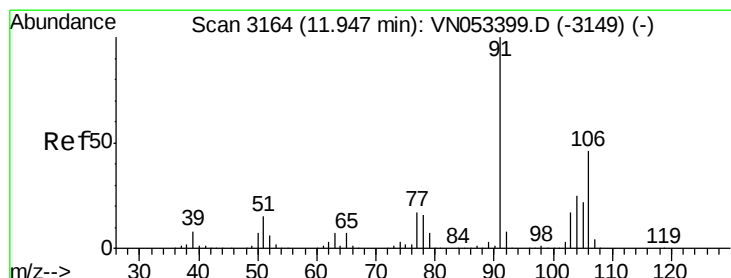
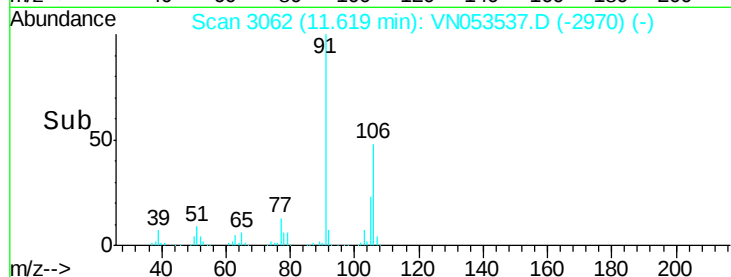
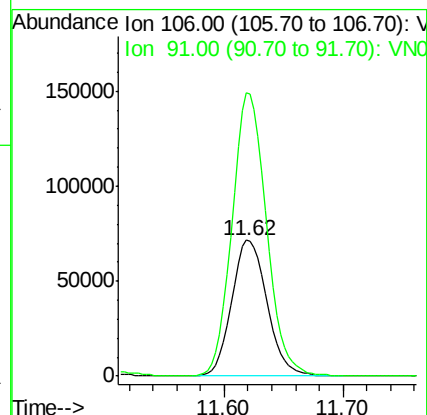
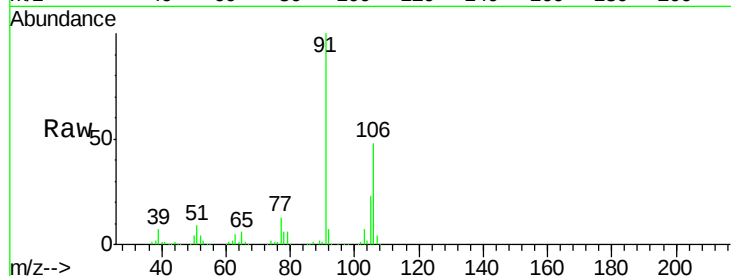




#68
m/p-Xylenes
Concen: 8.963 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

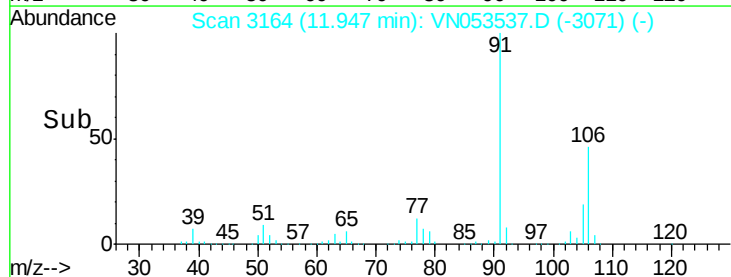
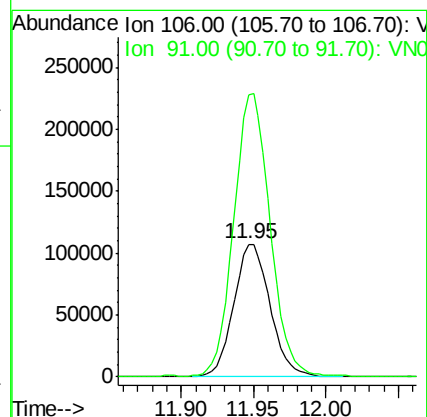
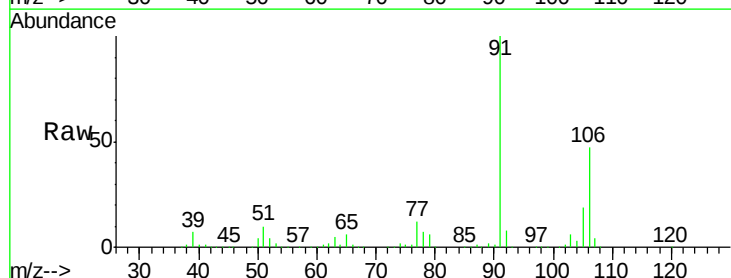
Instrument :
MSVOA_N
ClientSampleId :
30093

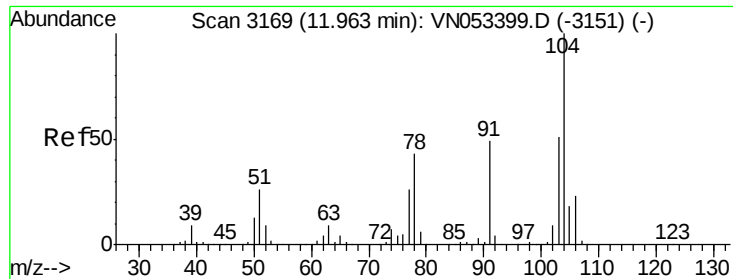
Tot Ion:106 Resp: 147257
Ion Ratio Lower Upper
106 100
91 202.4 161.4 242.2



#69
o-Xylene
Concen: 11.572 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion:106 Resp: 184742
Ion Ratio Lower Upper
106 100
91 214.3 106.9 320.8

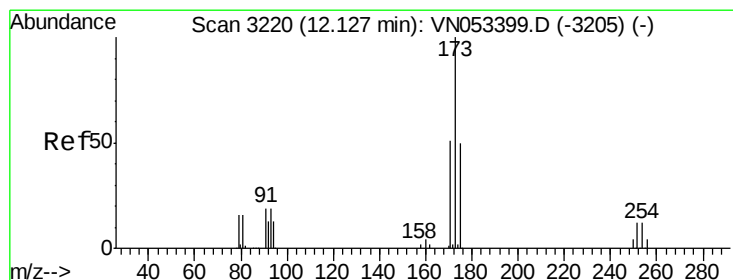
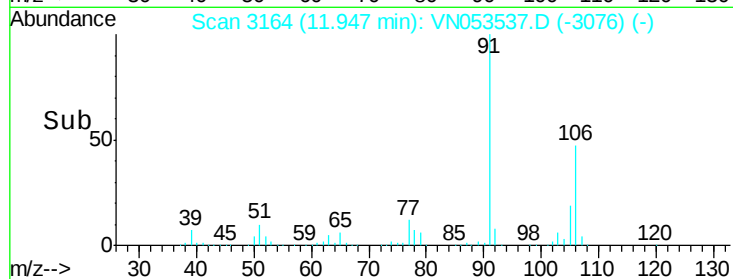
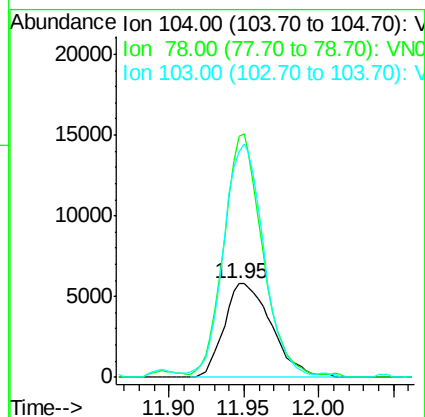
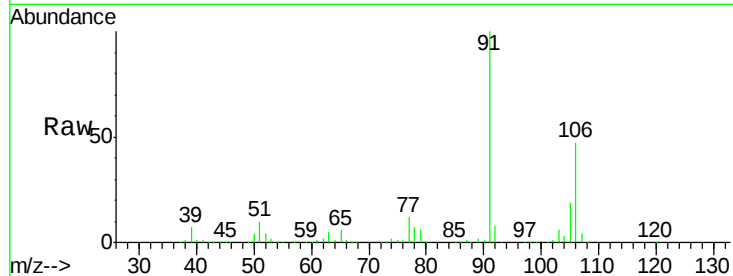




#70
Stvrene
Concen: 0.494 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

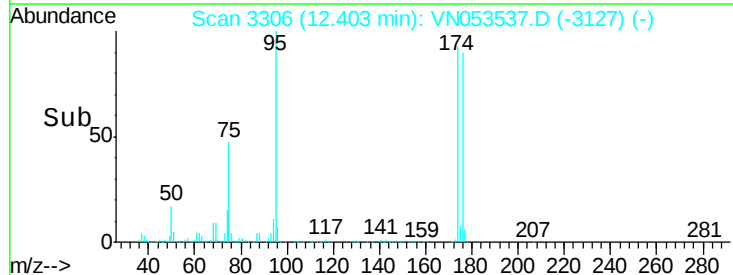
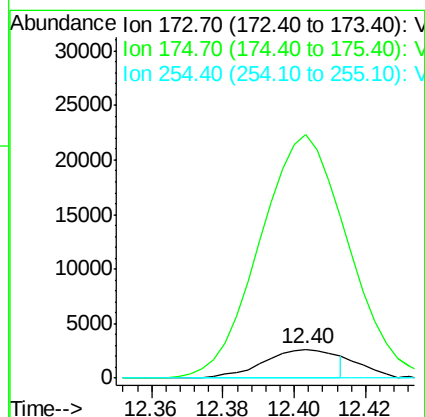
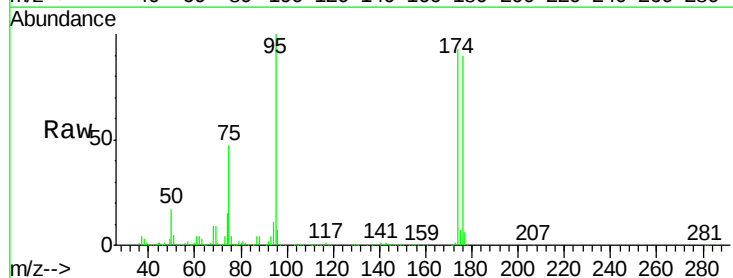
Instrument :
MSVOA_N
ClientSampleId :
30093

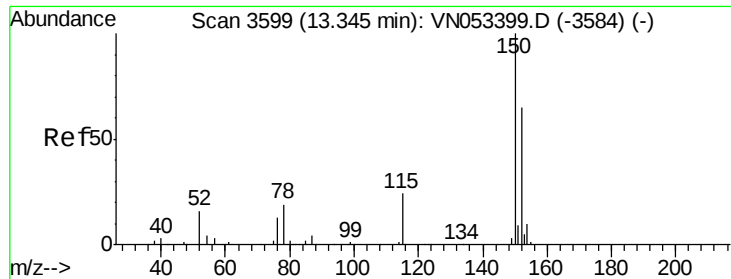
Tot Ion:104 Resp: 12805
Ion Ratio Lower Upper
104 100
78 209.0 38.2 57.2#
103 206.7 44.4 66.6#



#71
Bromoform
Concen: 0.607 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion:173 Resp: 3713
Ion Ratio Lower Upper
173 100
175 864.4 24.6 74.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

30093

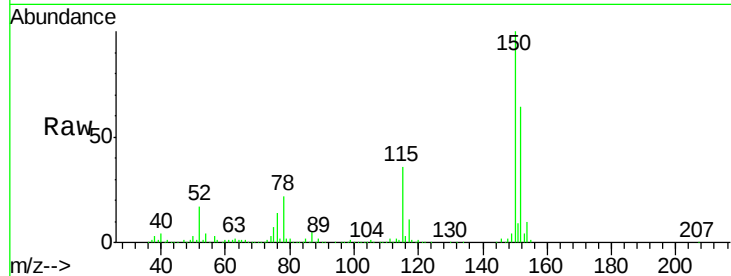
Tot Ion:152 Resp: 556110

Ion Ratio Lower Upper

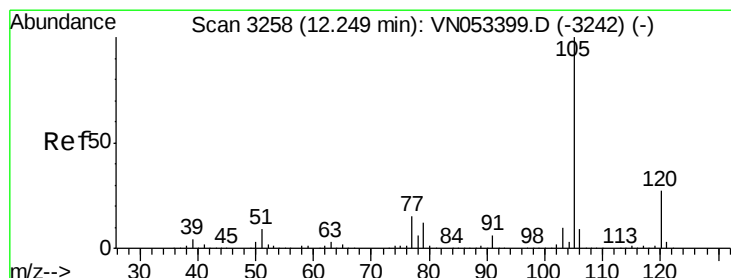
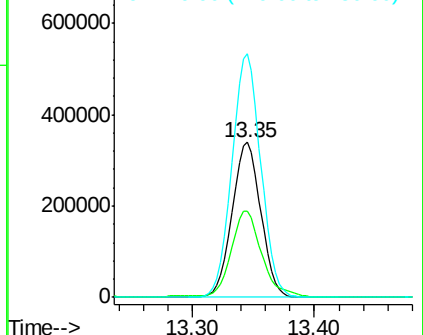
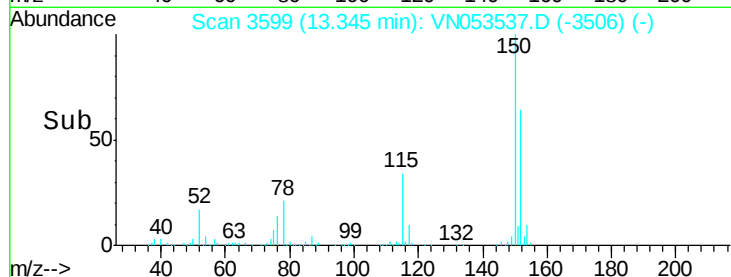
152 100

115 59.2 27.8 83.4

150 157.6 0.0 349.0



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: 0.247 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN053537.D

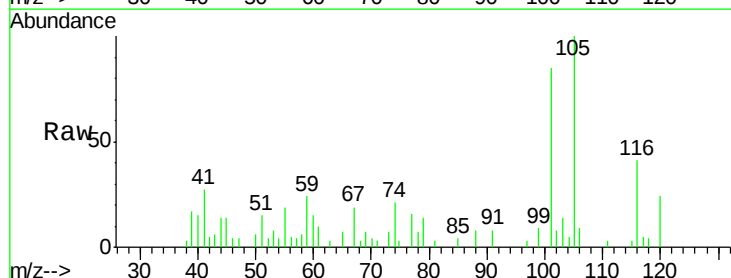
Acq: 28 Jan 2019 11:27

Tgt Ion:105 Resp: 10039

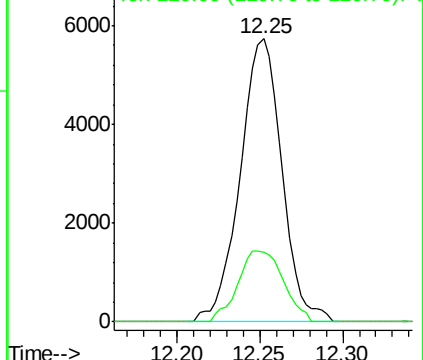
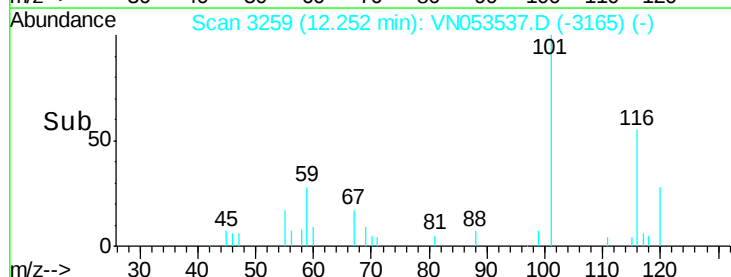
Ion Ratio Lower Upper

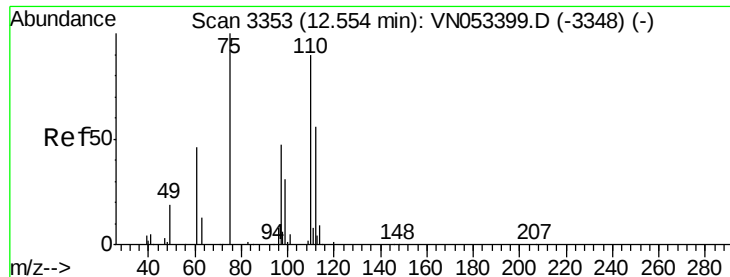
105 100

120 27.3 13.6 40.7



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: 35.711 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

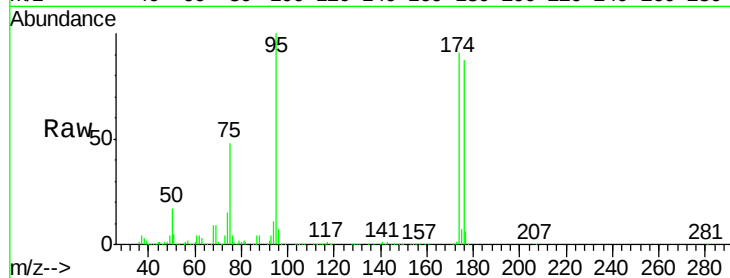
30093

Tot Ion: 75 Resp: 261705

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

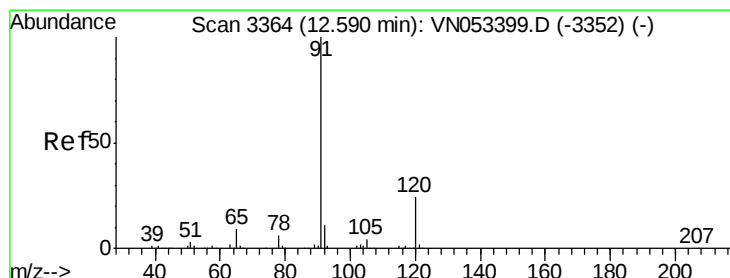
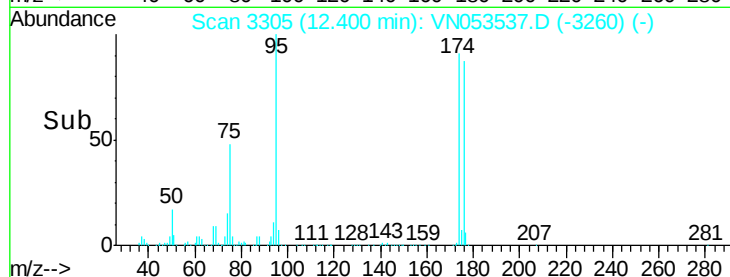
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.222 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053537.D

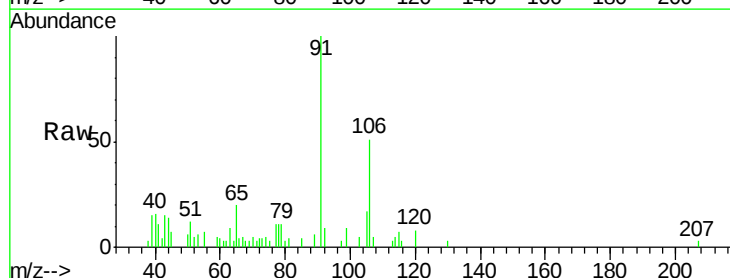
Acq: 28 Jan 2019 11:27

Tgt Ion: 91 Resp: 10357

Ion Ratio Lower Upper

91 100

120 0.0 11.9 35.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

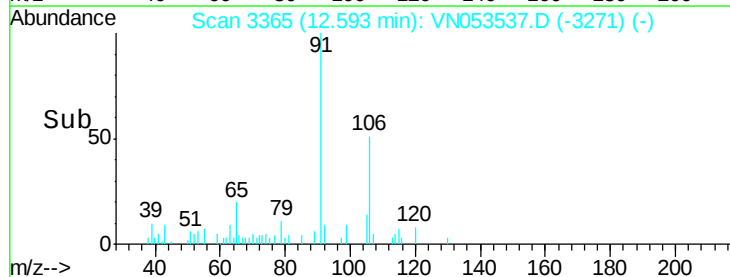
30000

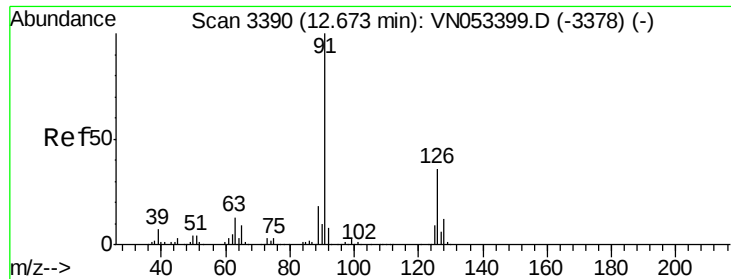
20000

10000

0

Time--> 12.55 12.60





#79

2-Chlorotoluene

Concen: 1.401 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

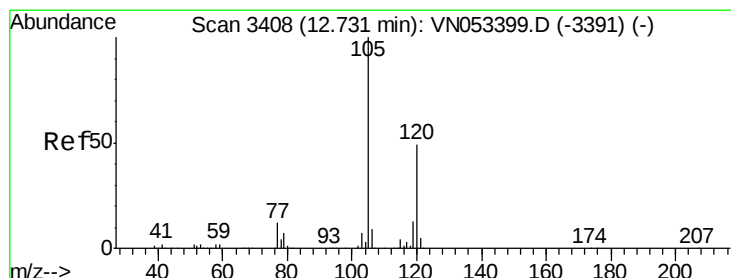
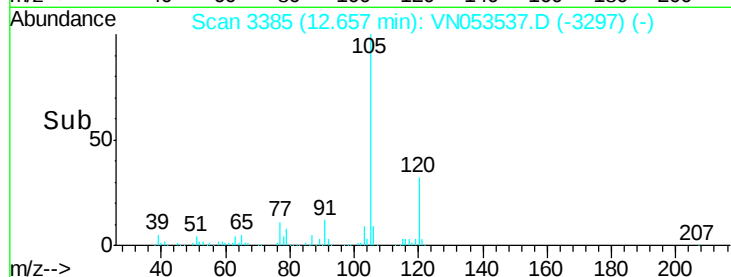
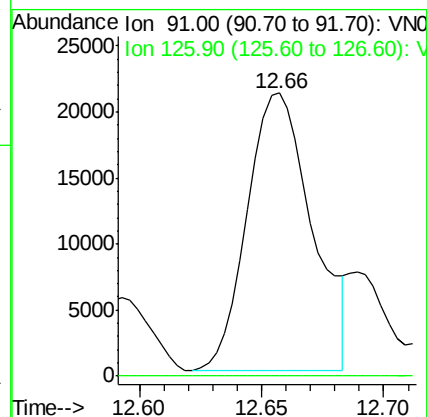
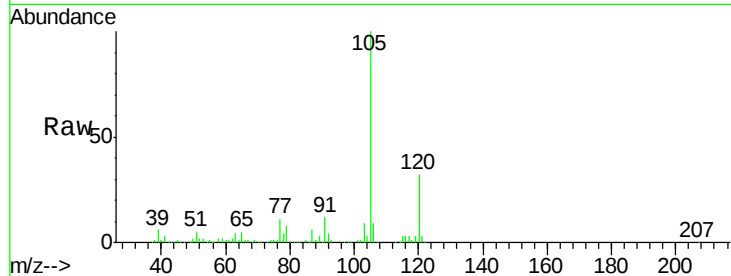
30093

Tot Ion: 91 Resp: 38828

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



#80

1,3,5-Trimethylbenzene

Concen: 6.138 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053537.D

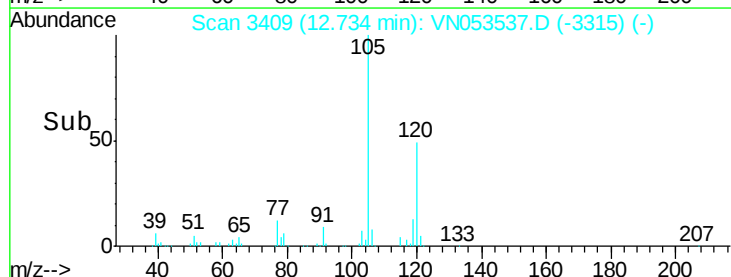
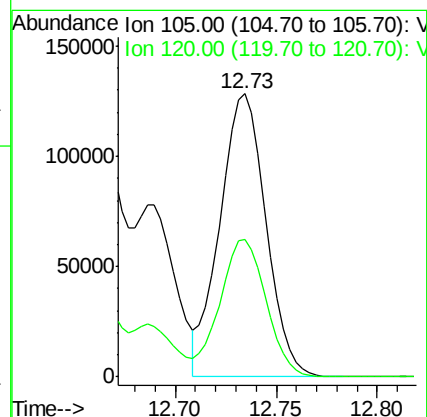
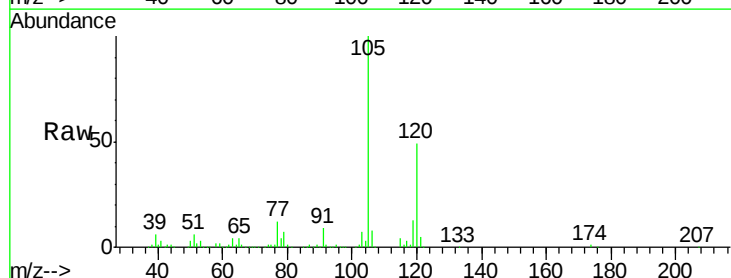
Acq: 28 Jan 2019 11:27

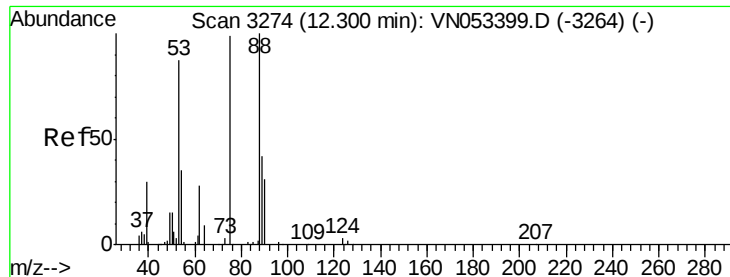
Tgt Ion: 105 Resp: 203383

Ion Ratio Lower Upper

105 100

120 48.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 88.329 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

30093

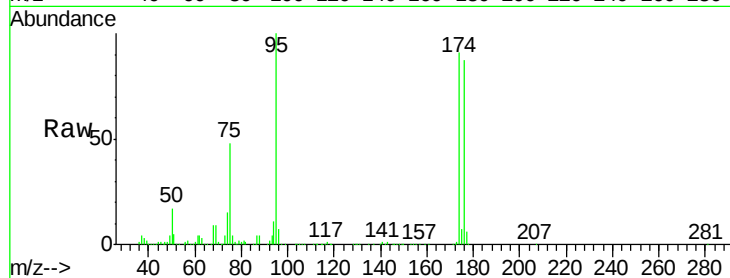
Tot Ion: 75 Resp: 261705

Ion Ratio Lower Upper

75 100

53 0.4 69.8 104.6#

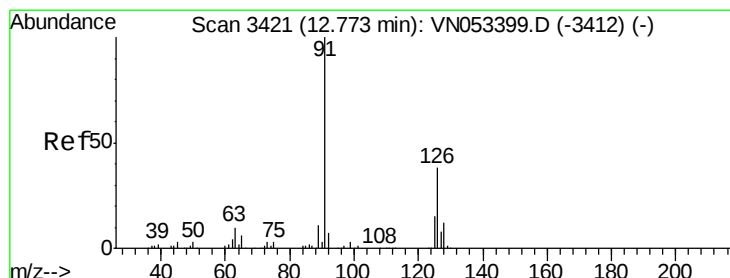
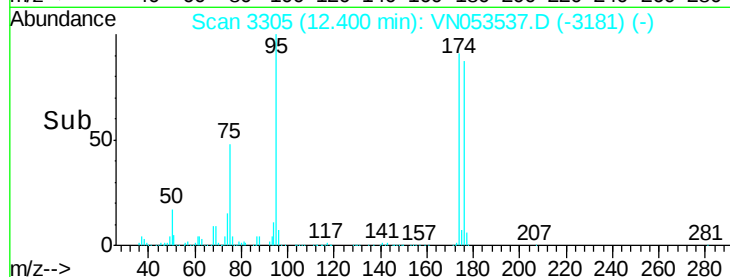
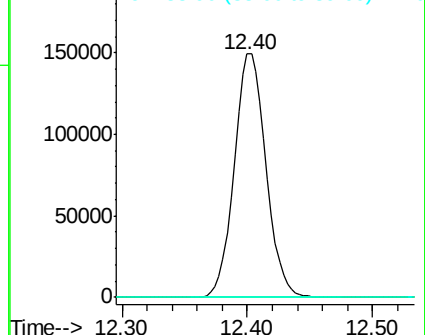
89 0.0 35.6 53.4#



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



#82

4-Chlorotoluene

Concen: 0.661 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053537.D

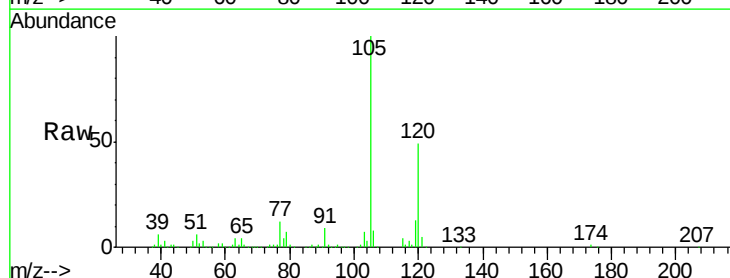
Acq: 28 Jan 2019 11:27

Tgt Ion: 91 Resp: 18674

Ion Ratio Lower Upper

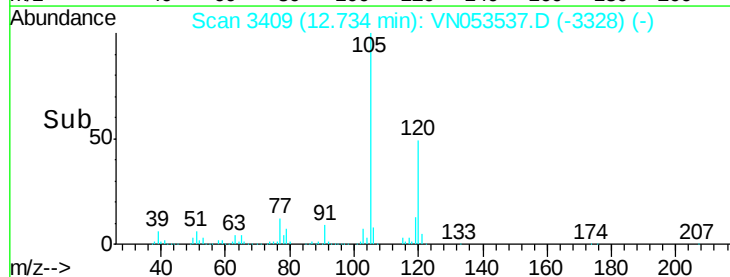
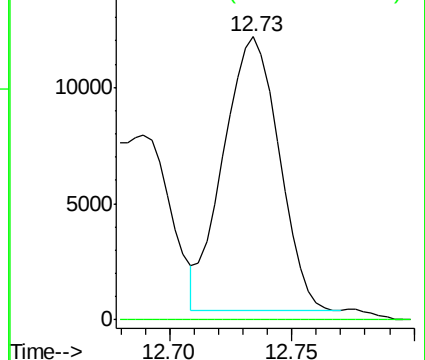
91 100

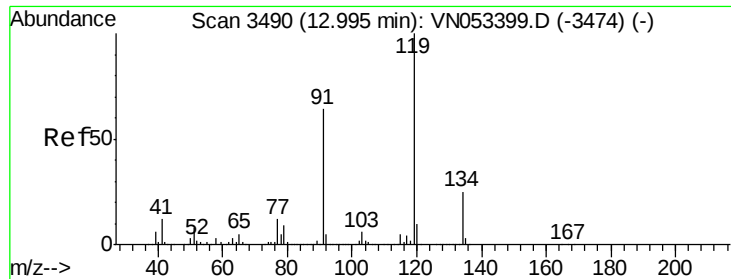
126 0.0 17.6 52.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

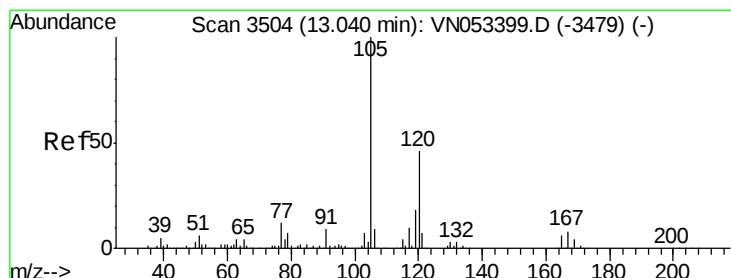
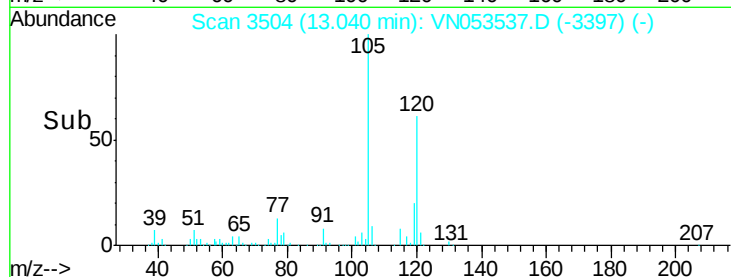
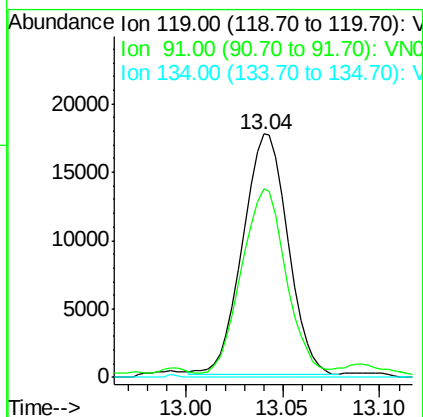
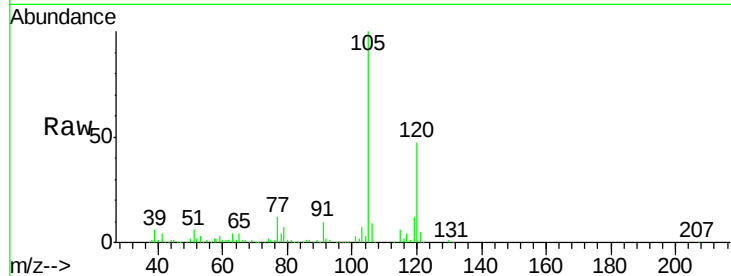




#83
tert-Butylbenzene
Concen: 0.972 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

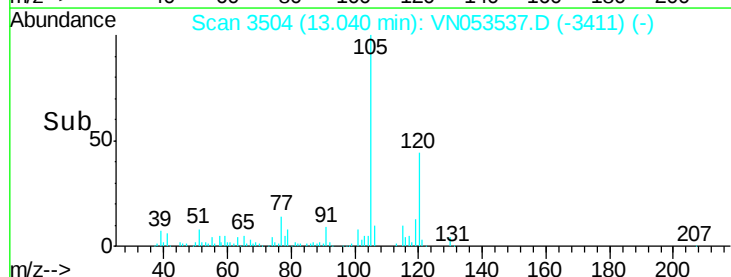
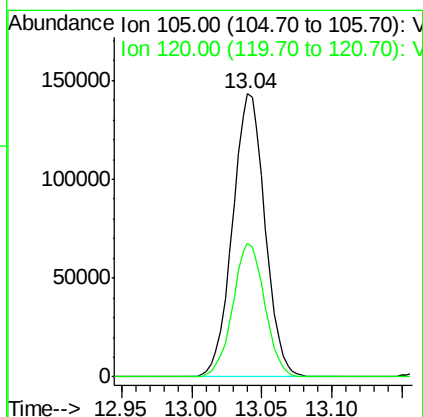
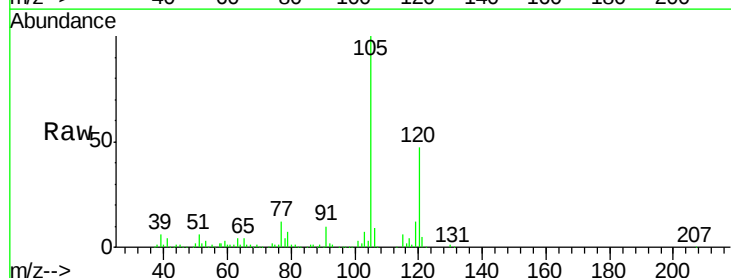
Instrument :
MSVOA_N
ClientSampleId :
30093

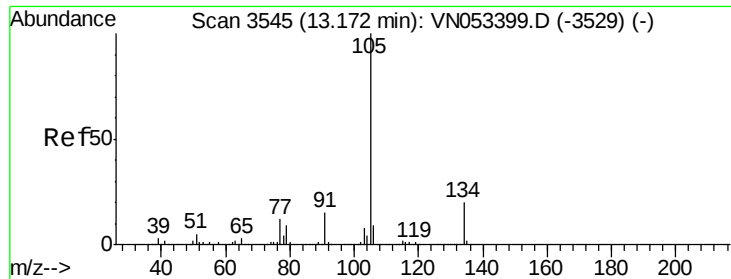
Tot Ion:119 Resp: 28449
Ion Ratio Lower Upper
119 100
91 75.5 31.3 93.8
134 0.0 12.9 38.7#



#84
1,2,4-Trimethylbenzene
Concen: 6.901 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion:105 Resp: 230566
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 5.745 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

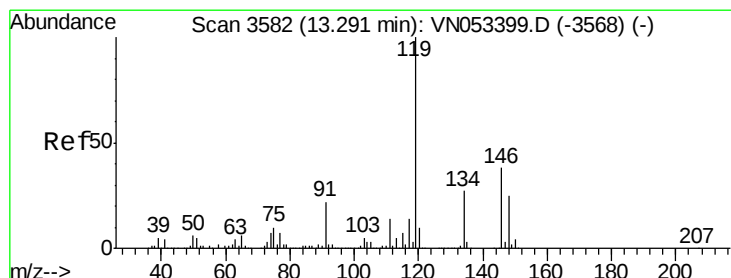
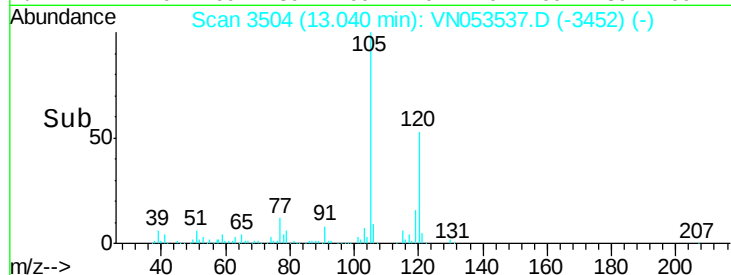
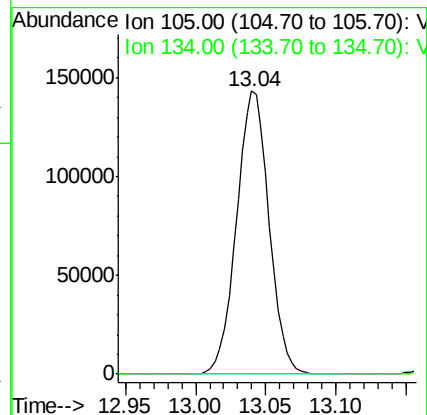
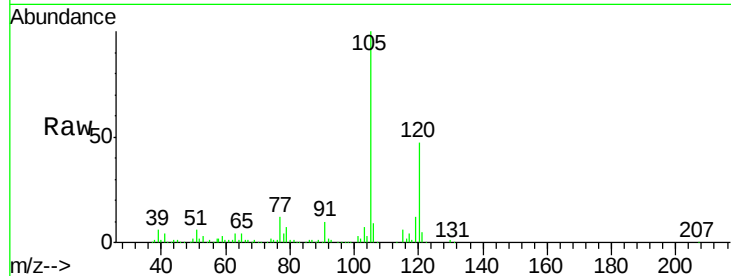
30093

Tot Ion:105 Resp: 230566

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 1.507 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

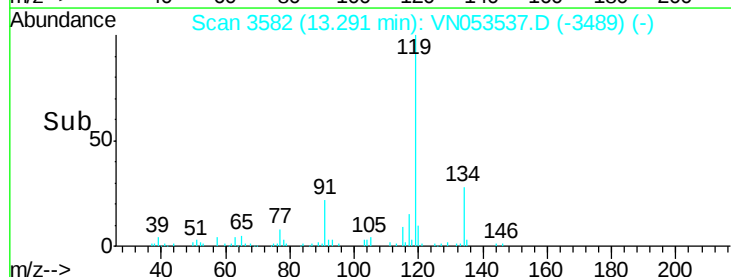
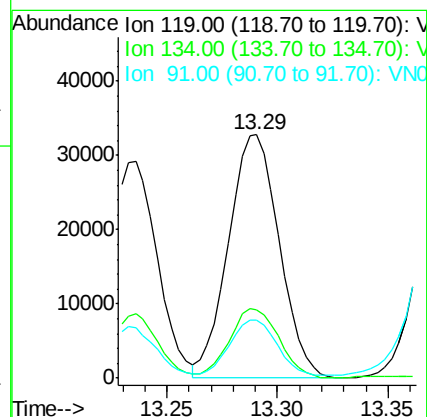
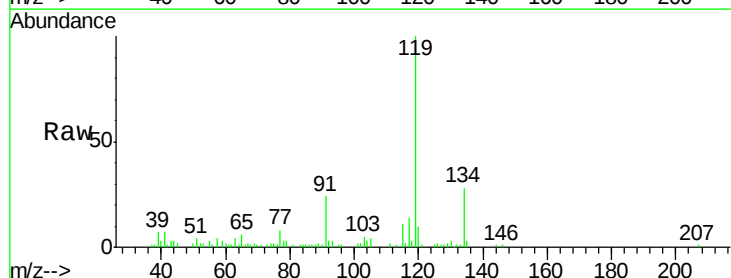
Tgt Ion:119 Resp: 52516

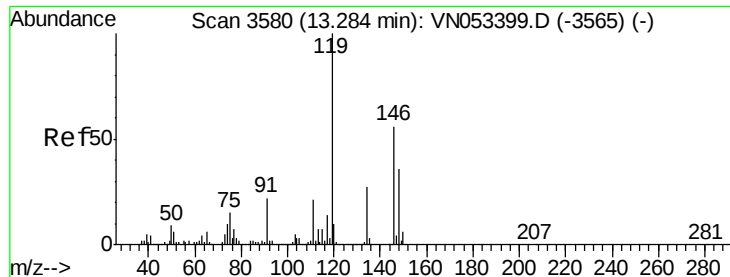
Ion Ratio Lower Upper

119 100

134 27.8 13.5 40.4

91 20.8 11.0 33.0

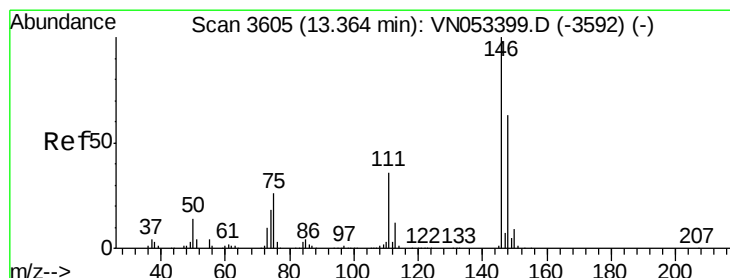
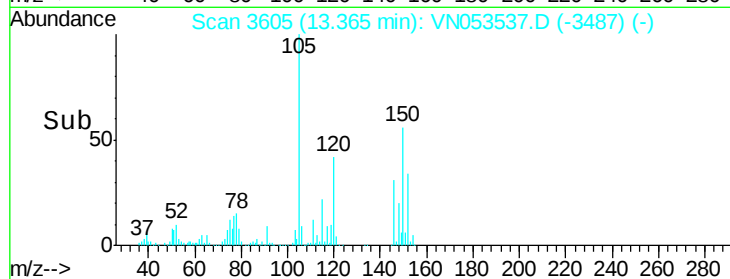
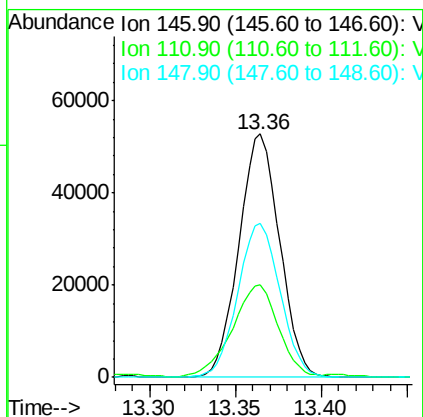
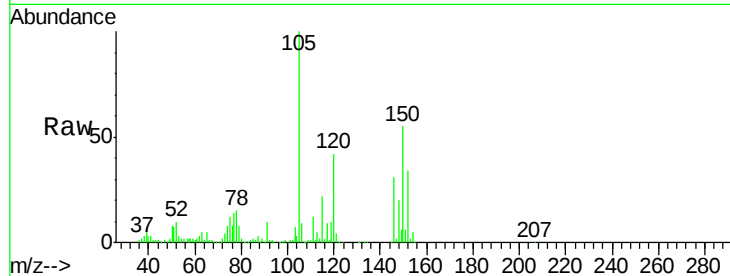




#87
 1,3-Dichlorobenzene
 Concen: 4.606 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.08 min
 Lab File: VN053537.D
 Acq: 28 Jan 2019 11:27

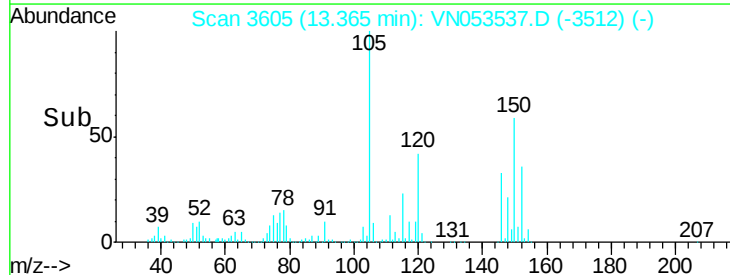
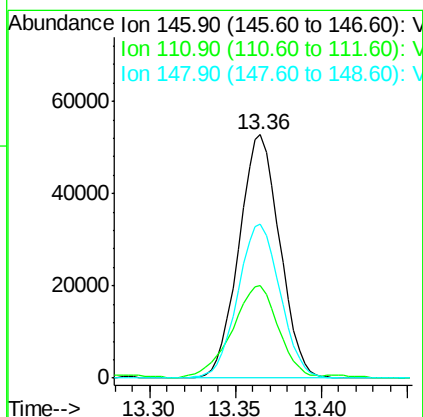
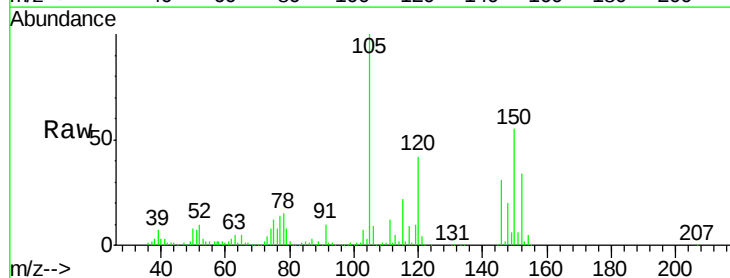
Instrument :
 MSVOA_N
 ClientSampled :
 30093

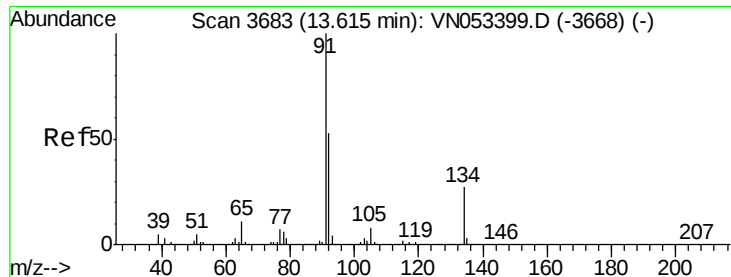
Tot Ion:146 Resp: 86947
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.8 56.3
 148 65.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 4.592 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053537.D
 Acq: 28 Jan 2019 11:27

Tgt Ion:146 Resp: 86947
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.6 55.8
 148 65.6 32.4 97.0

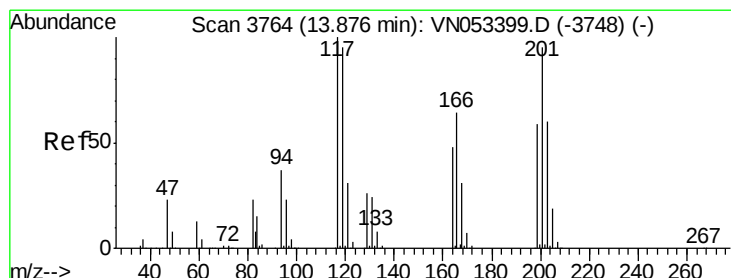
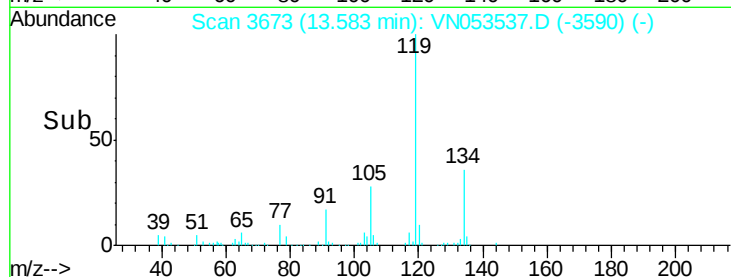
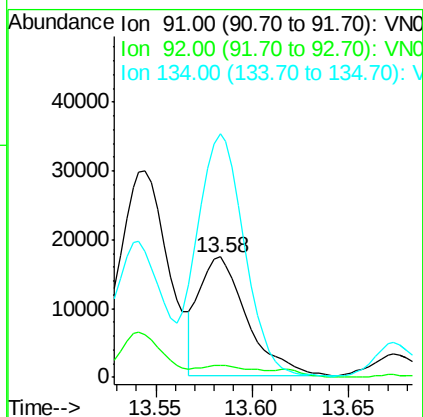
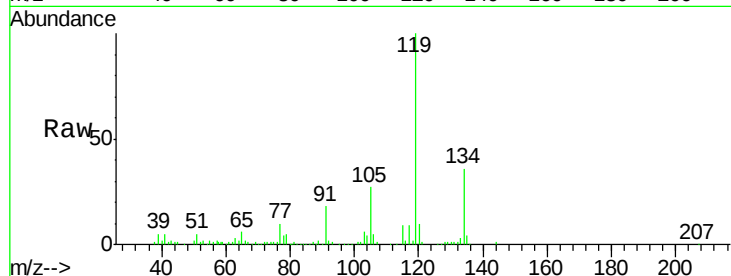




#89
n-Butylbenzene
Concen: 0.991 ug/l
RT: 13.58 min Scan# 3673
Delta R.T. -0.03 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

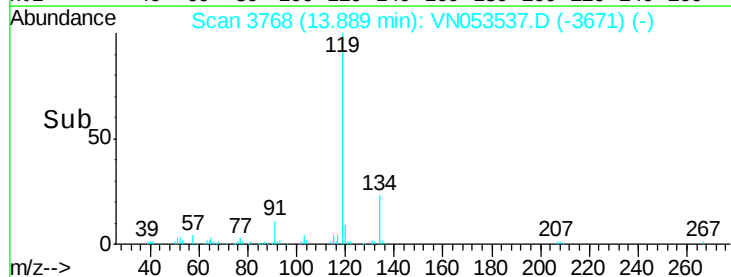
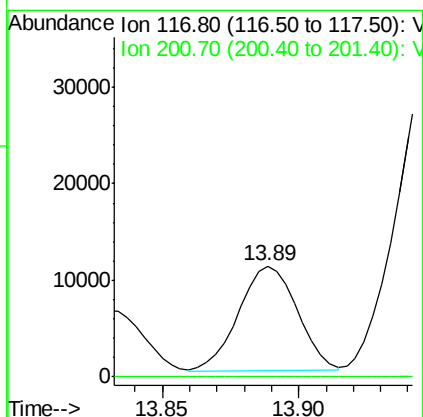
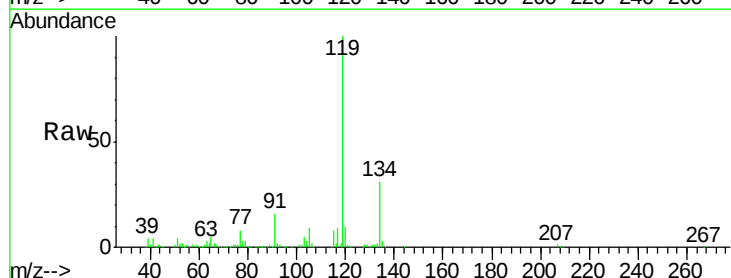
Instrument :
MSVOA_N
ClientSampleId :
30093

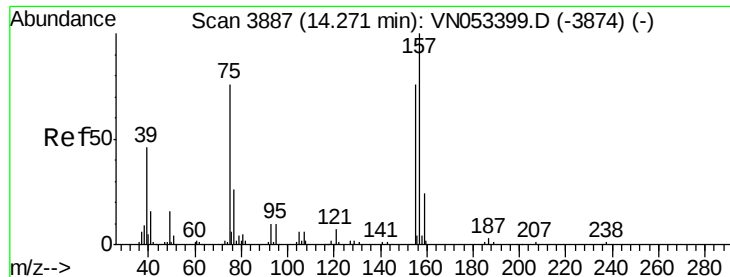
Tot Ion: 91 Resp: 29439
Ion Ratio Lower Upper
91 100
92 4.4 26.3 78.8#
134 206.1 13.5 40.5#



#90
Hexachloroethane
Concen: 2.976 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion: 117 Resp: 16265
Ion Ratio Lower Upper
117 100
201 0.0 46.8 140.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.688 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

30093

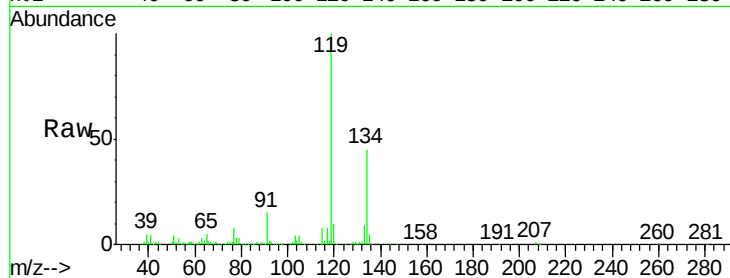
Tot Ion: 75 Resp: 1828

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

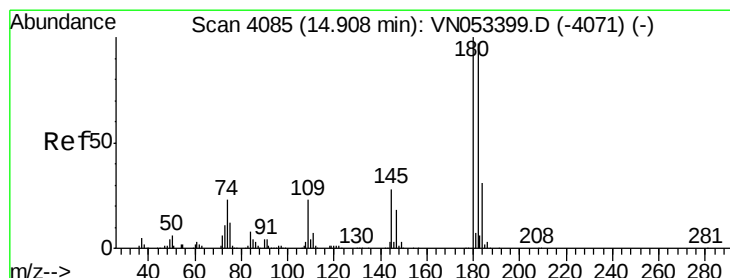
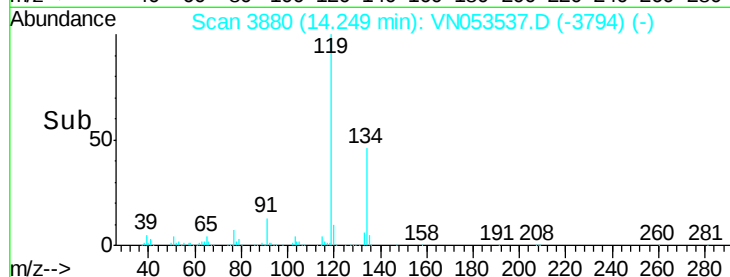
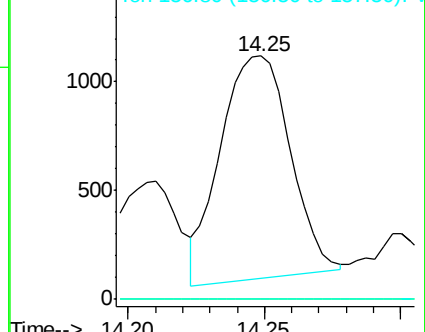
157 0.0 63.7 191.3#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN053399.D (-3874) (-)

Ion 156.80 (156.50 to 157.50): VN053399.D (-3874) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.824 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

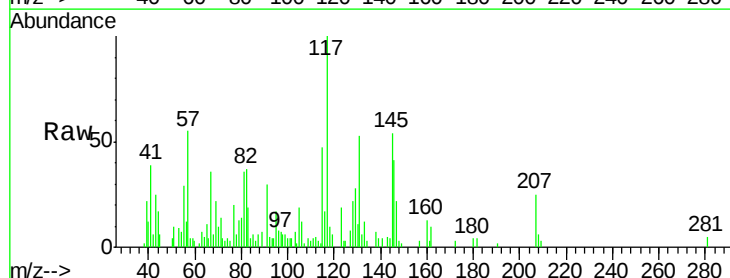
Tgt Ion: 180 Resp: 472

Ion Ratio Lower Upper

180 100

182 88.8 48.1 144.3

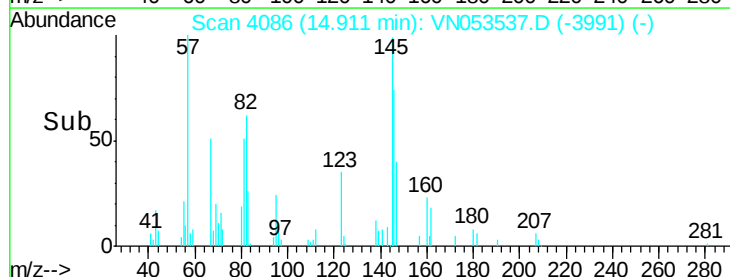
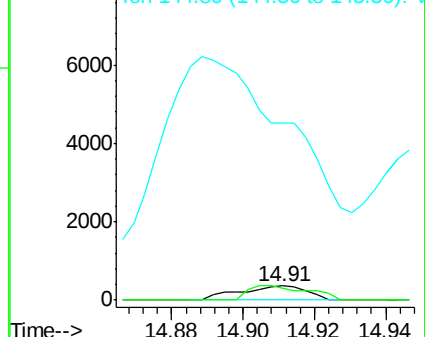
145 0.0 13.9 41.6#

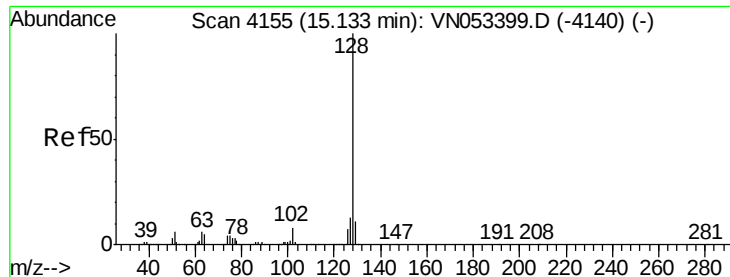


Abundance Ion 179.80 (179.50 to 180.50): VN053399.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053399.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053399.D (-4071) (-)





#95

Naphthalene

Concen: 4.439 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

30093

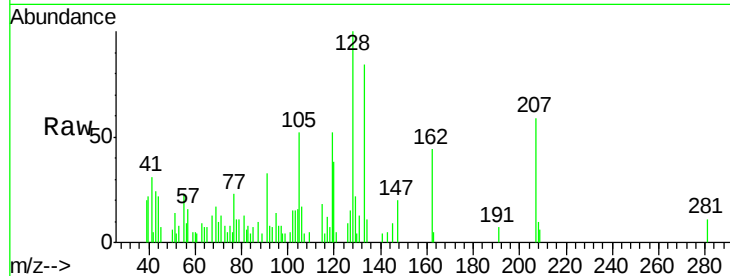
Tot Ion:128 Resp: 7296

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

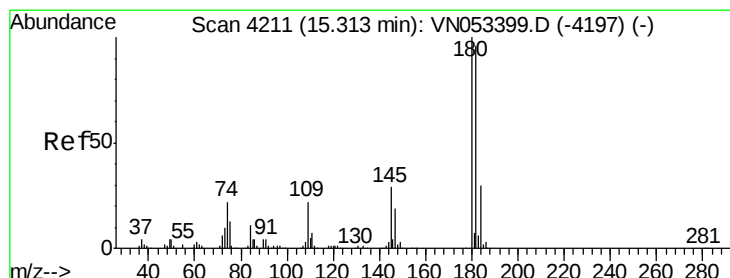
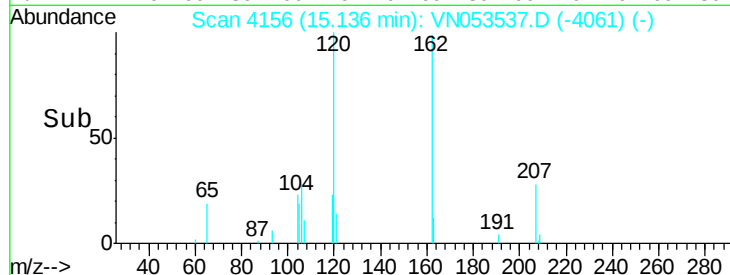
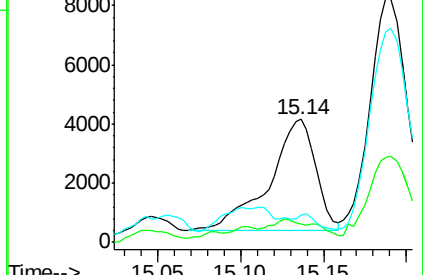
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.978 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

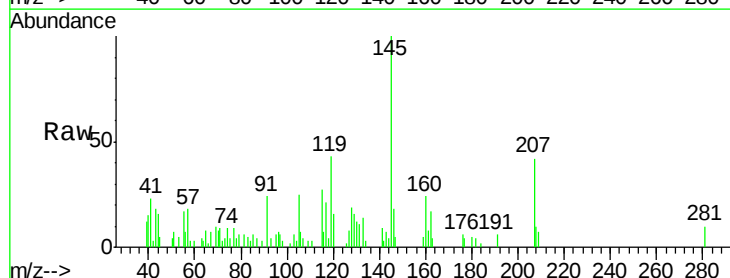
Tgt Ion:180 Resp: 449

Ion Ratio Lower Upper

180 100

182 84.2 47.9 143.8

145 0.0 14.7 44.1#



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

