

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054295.D
 Acq On : 15 Mar 2019 7:18
 Operator : JC/SP
 Sample : K1902-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30302

Quant Time: Mar 15 08:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1307919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2182780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2358286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1147443	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	707124	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
35) Dibromofluoromethane	7.59	113	669132	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	10.09	98	2760522	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.40	95	1120496	61.59	ug/l	0.00
Spiked Amount			Recovery	=	123.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	116	1.503	ug/l #	27
11) Tert butyl alcohol	4.81	59	2483	2.608	ug/l #	92
13) Acrolein	3.61	56	68127	75.502	ug/l	96
14) Allyl chloride	4.09	41	145160	8.326	ug/l #	66
16) Acetone	3.82	43	20099129	5053.760	ug/l	99
17) Carbon Disulfide	4.03	76	18026	0.529	ug/l	99
18) Methyl Acetate	4.33	43	298613	37.112	ug/l	100
20) Methylene Chloride	4.54	84	17118	1.311	ug/l	93
22) Diisopropyl ether	6.06	45	25062	0.720	ug/l #	1
23) Vinyl Acetate	6.06	43	59925	2.336	ug/l #	70
24) 1,1-Dichloroethane	5.86	63	4886	0.219	ug/l #	65
25) 2-Butanone	6.85	43	878163	188.130	ug/l	99
29) Tetrahydrofuran	7.21	42	4953	1.650	ug/l #	61
31) Cyclohexane	7.66	56	20710	Below Cal	#	1
36) 1,1-Dichloropropene	7.83	75	6168	0.307	ug/l #	40
37) Ethyl Acetate	6.94	43	1826951	158.176	ug/l	98
38) Carbon Tetrachloride	7.66	117	107665	5.107	ug/l #	16
40) Benzene	8.04	78	11508	0.200	ug/l	95
41) Methacrylonitrile	7.22	41	23502	3.564	ug/l #	36
43) Isopropyl Acetate	8.18	43	5659	0.279	ug/l #	89
48) Methyl methacrylate	9.17	41	41517	4.035	ug/l #	38
49) 1,4-Dioxane	9.20	88	2402	16.505	ug/l #	27
51) 4-Methyl-2-Pentanone	9.99	43	298934	27.862	ug/l #	74
52) Toluene	10.16	92	200808	5.506	ug/l	97
53) t-1,3-Dichloropropene	10.15	75	2383	2.089	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	4306	0.323	ug/l #	25
59) 2-Hexanone	10.72	43	1532863	214.717	ug/l #	23
60) Dibromochloromethane	10.63	129	66472	4.434	ug/l #	11
64) Tetrachloroethene	10.63	164	82315	3.610	ug/l	99
67) Ethyl Benzene	11.51	91	774610	9.024	ug/l	100
68) m/p-Xylenes	11.62	106	1579182	47.071	ug/l	100
69) o-Xylene	11.95	106	1128677	34.511	ug/l	99
70) Styrene	11.95	104	57157	1.114	ug/l #	1
71) Bromoform	12.40	173	6474	2.781	ug/l #	1

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

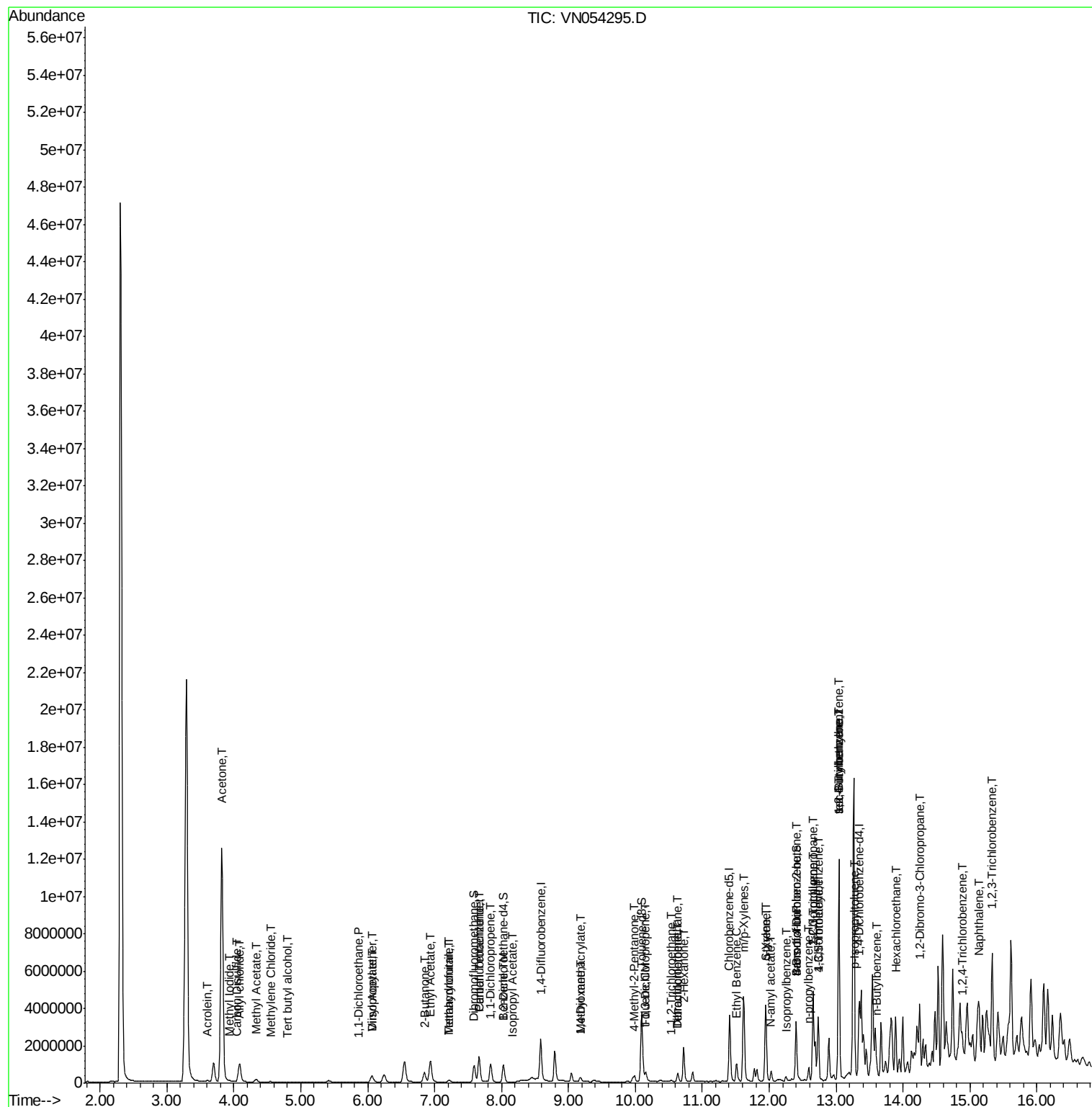
73) Isopropylbenzene	12.25	105	137838	1.501	uq/l	99
74) N-amyl acetate	12.03	43	328964	16.144	uq/l #	46
76) 1,2,3-Trichloropropane	12.65	75	24676	1.462	uq/l #	100
78) n-propylbenzene	12.59	91	605302	6.077	uq/l	98
79) 2-Chlorotoluene	12.65	91	350910	5.859	uq/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	1579015	20.678	uq/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	528538	107.077	uq/l #	11
82) 4-Chlorotoluene	12.73	91	157412	2.632	uq/l #	39
83) tert-Butylbenzene	13.04	119	869666	12.373	uq/l #	70
84) 1,2,4-Trimethylbenzene	13.04	105	6952115	92.802	uq/l	100
85) sec-Butylbenzene	13.04	105	6952115	76.271	uq/l #	55
86) p-Isopropyltoluene	13.29	119	129469	1.619	uq/l	100
89) n-Butylbenzene	13.61	91	200601	3.302	uq/l #	61
90) Hexachloroethane	13.89	117	143059	10.804	uq/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12091	3.995	uq/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	1284	2.567	uq/l #	1
95) Naphthalene	15.13	128	2283809	45.700	uq/l	98
96) 1,2,3-Trichlorobenzene	15.33	180	15331	0.721	uq/l #	1

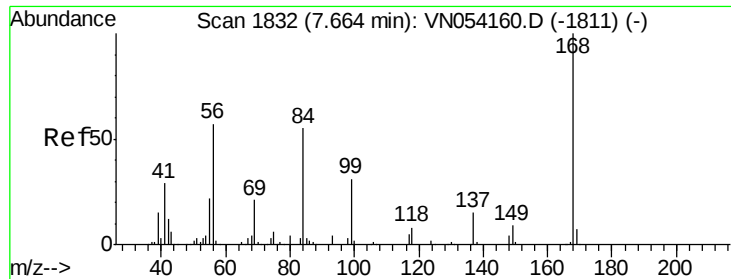
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

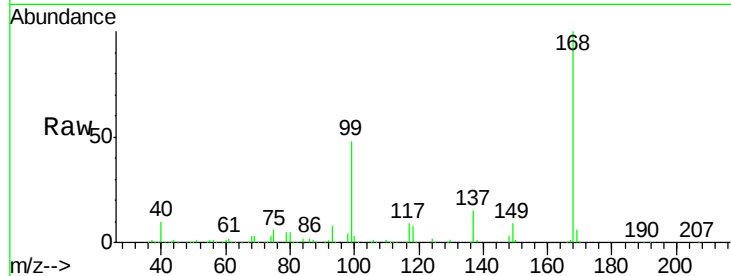
30302

Tot Ion:168 Resp: 1307919

Ion Ratio Lower Upper

168 100

99 47.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

600000

500000

400000

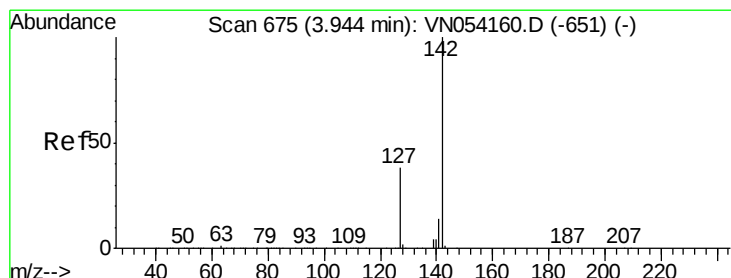
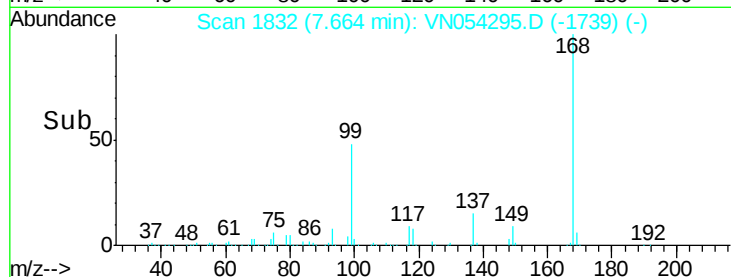
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.503 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

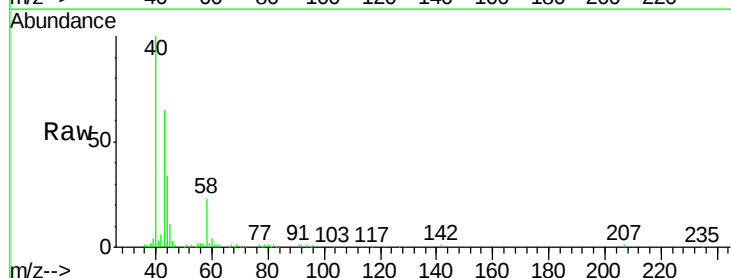
Tgt Ion:142 Resp: 116

Ion Ratio Lower Upper

142 100

127 90.5 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

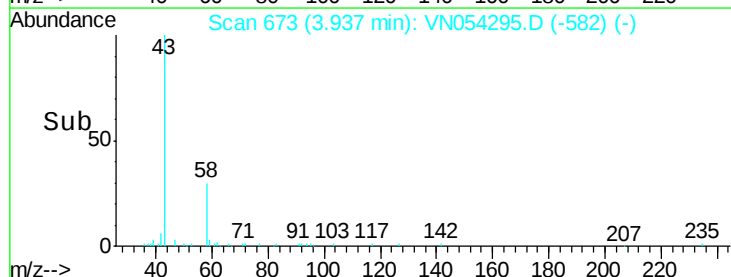
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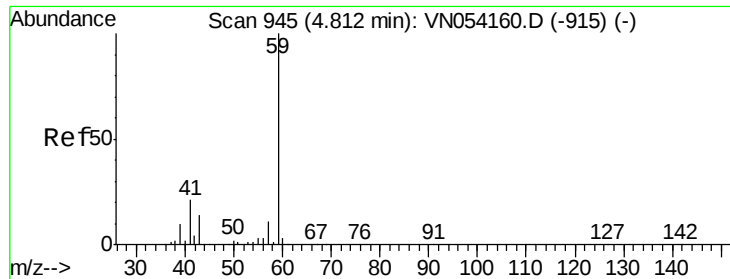
200

100

0

Time-->

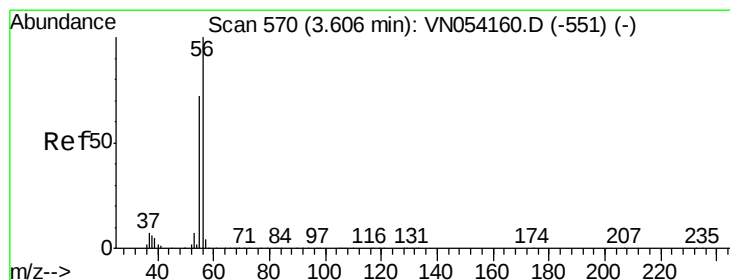
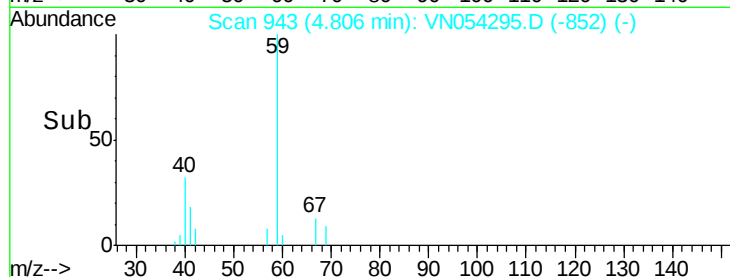
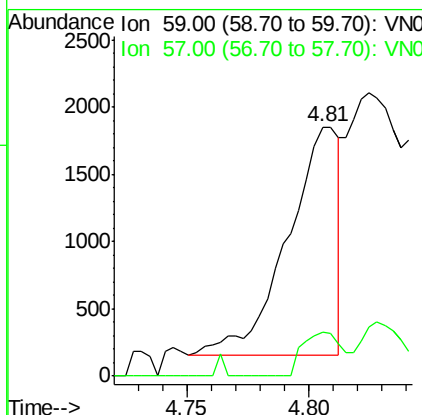
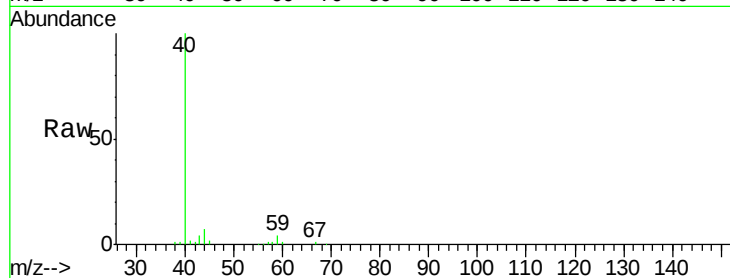




#11
Tert butyl alcohol
Concen: 2.608 ug/l
RT: 4.81 min Scan# 943
Delta R.T. -0.01 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

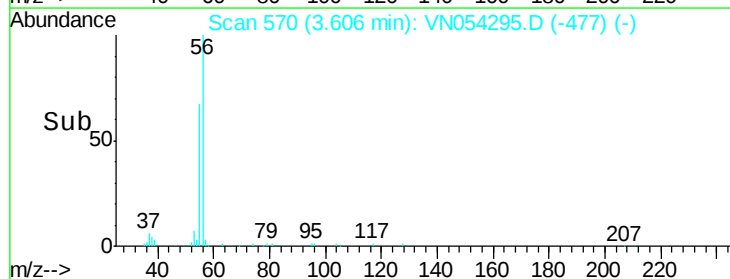
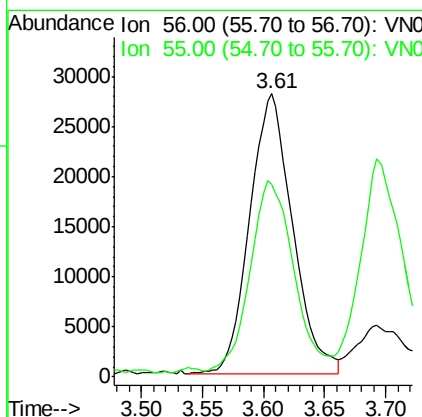
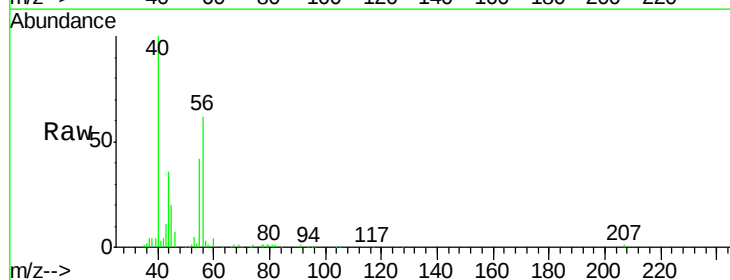
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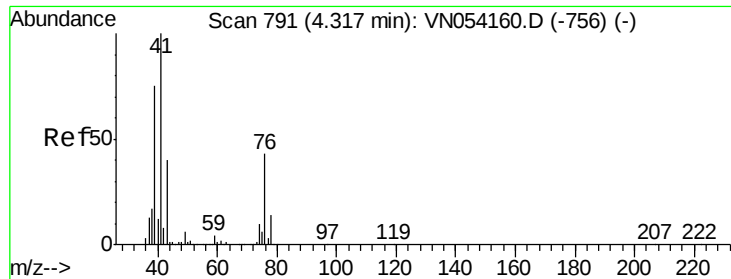
Tot Ion: 59 Resp: 2483
Ion Ratio Lower Upper
59 100
57 14.2 9.0 13.6#



#13
Acrolein
Concen: 75.502 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

Tgt Ion: 56 Resp: 68127
Ion Ratio Lower Upper
56 100
55 68.0 56.7 85.1

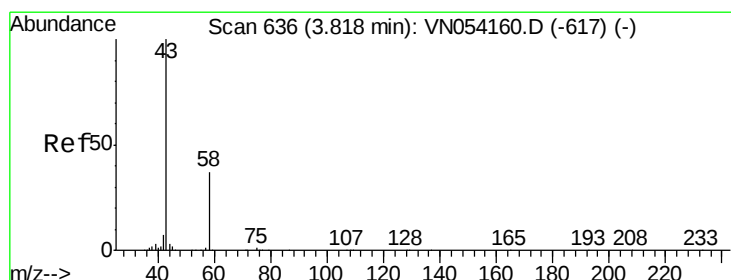
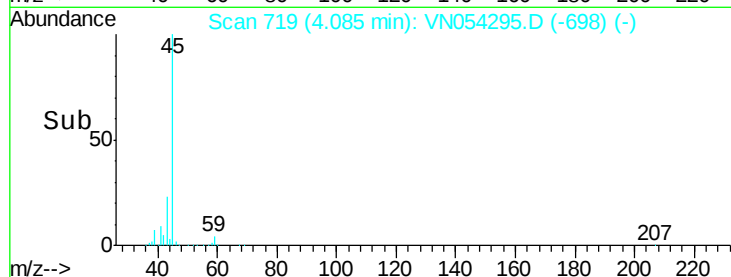
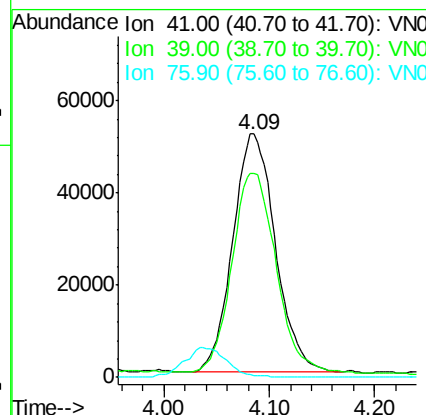
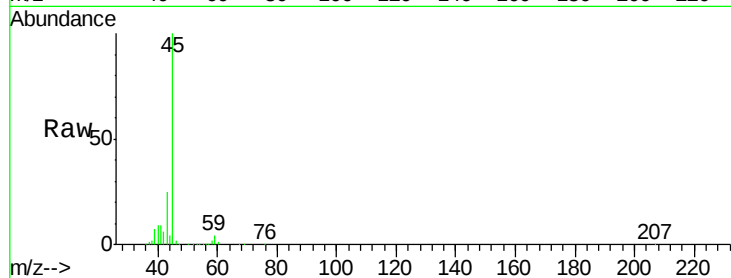




#14
Allvl chloride
Concen: 8.326 ug/l
RT: 4.09 min Scan# 719
Delta R.T. -0.23 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

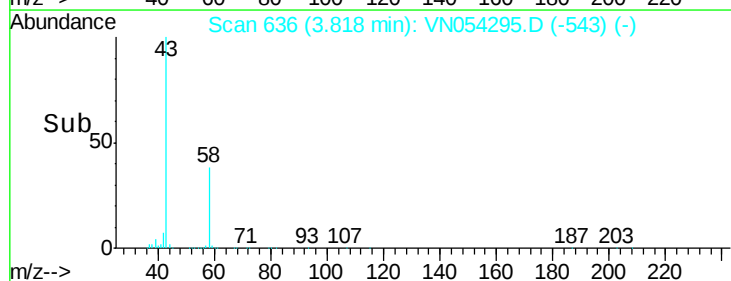
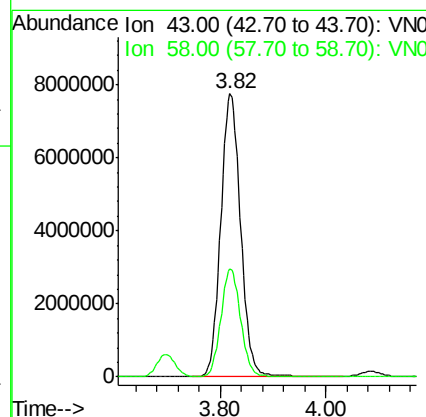
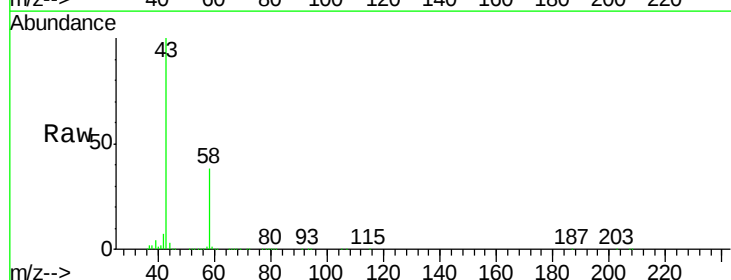
Instrument :
MSVOA_N
ClientSampled :
30302

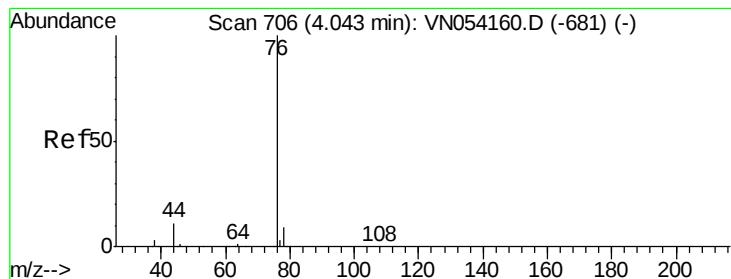
Tot Ion: 41 Resp: 145160
Ion Ratio Lower Upper
41 100
39 87.7 58.2 87.4#
76 0.0 31.7 47.5#



#16
Acetone
Concen: 5053.760 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

Tgt Ion: 43 Resp: 20099129
Ion Ratio Lower Upper
43 100
58 38.1 29.9 44.9





#17

Carbon Disulfide

Concen: 0.529 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

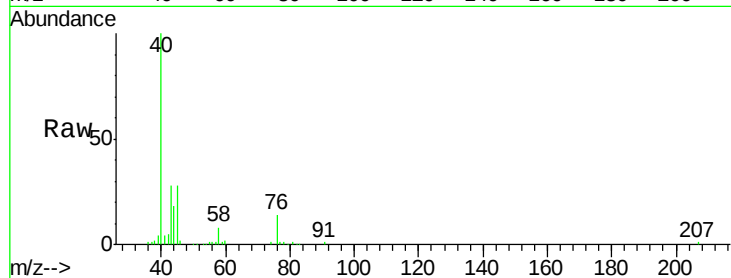
30302

Tot Ion: 76 Resp: 18026

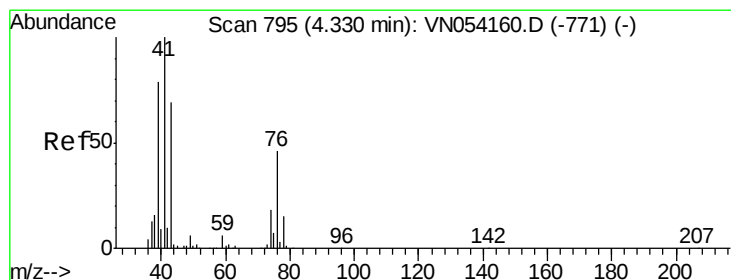
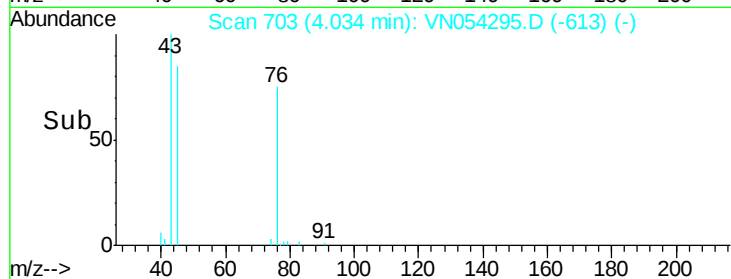
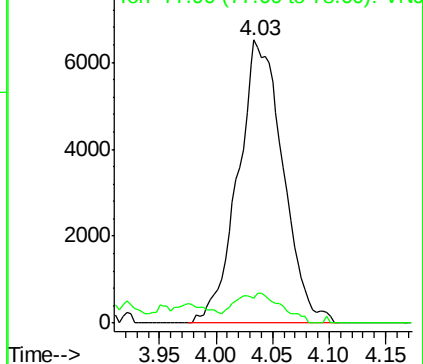
Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



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



#18

Methyl Acetate

Concen: 37.112 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054295.D

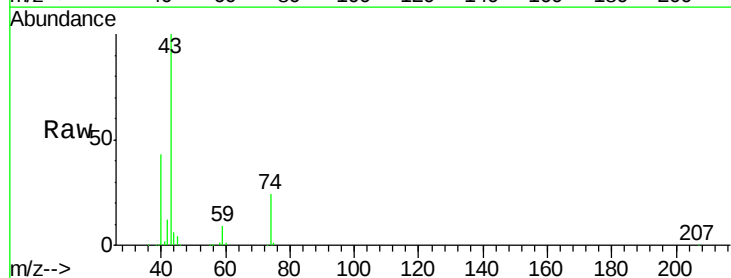
Acq: 15 Mar 2019 7:18

Tgt Ion: 43 Resp: 298613

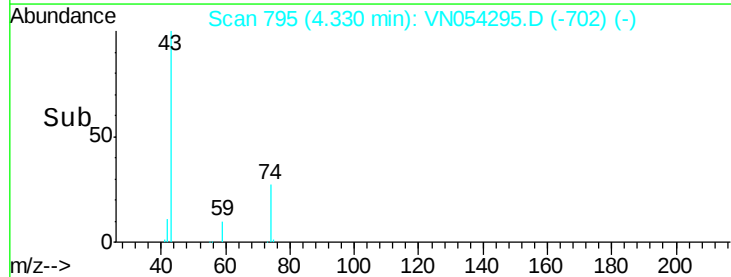
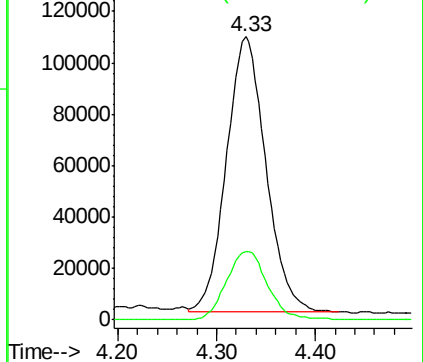
Ion Ratio Lower Upper

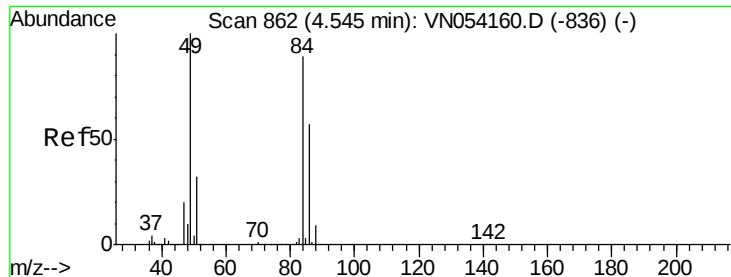
43 100

74 25.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#20

Methylene Chloride

Concen: 1.311 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

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ClientSampleId :

30302

Tot Ion: 84 Resp: 17118

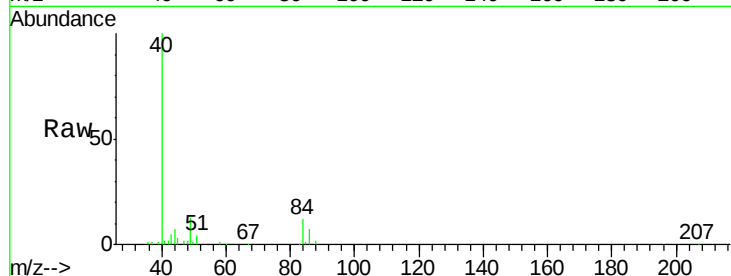
Ion Ratio Lower Upper

84 100

49 103.9 89.7 134.5

51 32.5 28.2 42.4

86 58.3 50.8 76.2

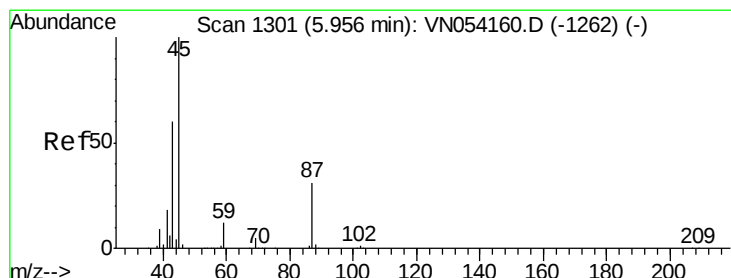
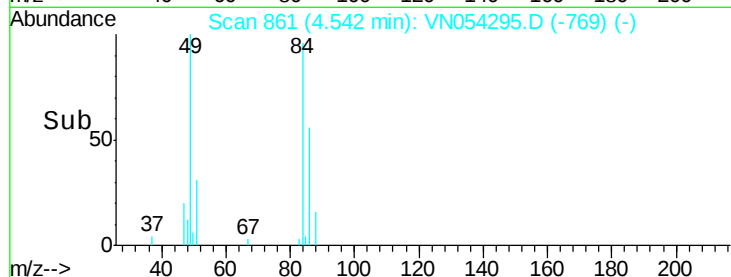
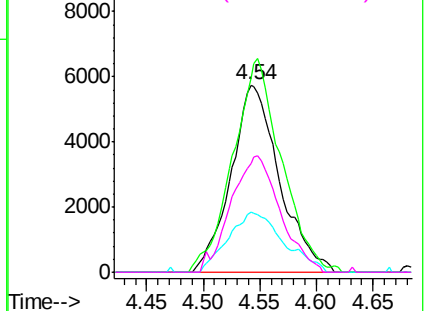


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#22

Diisopropyl ether

Concen: 0.720 ug/l

RT: 6.06 min Scan# 1333

Delta R.T. 0.10 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Tgt Ion: 45 Resp: 25062

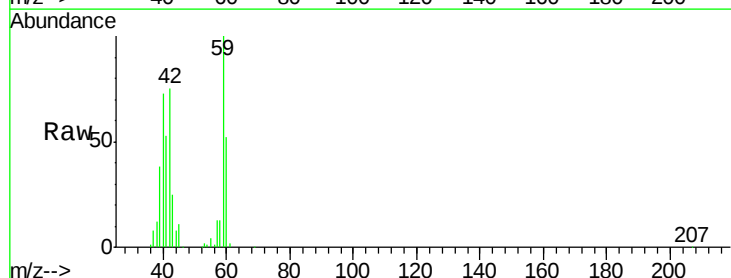
Ion Ratio Lower Upper

45 100

43 226.9 48.2 72.2#

87 0.0 24.9 37.3#

59 945.4 9.5 14.3#

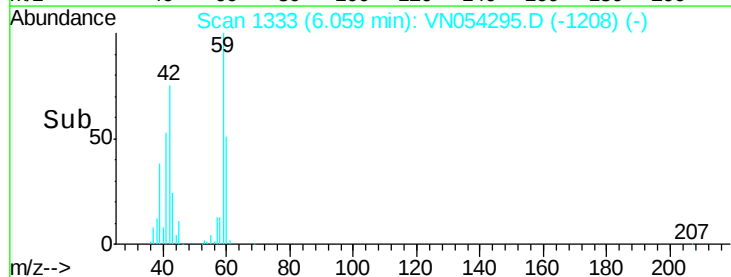
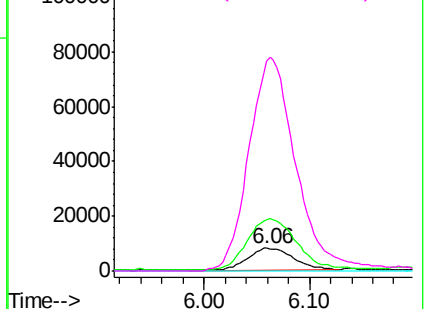


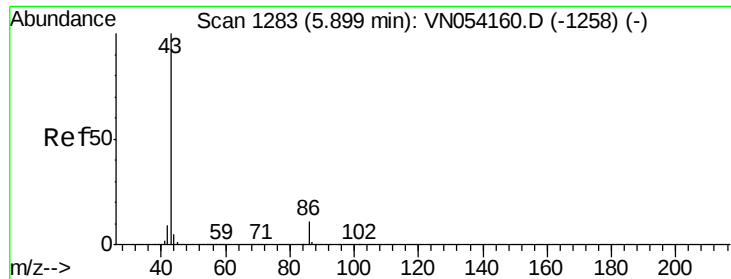
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

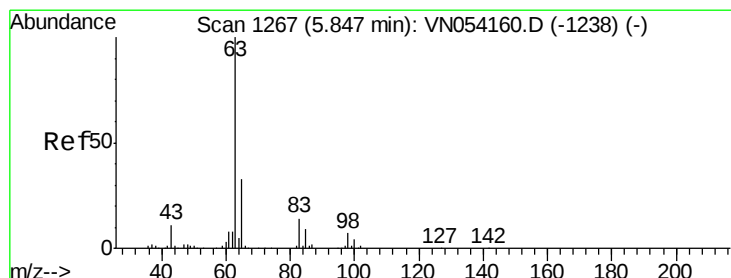
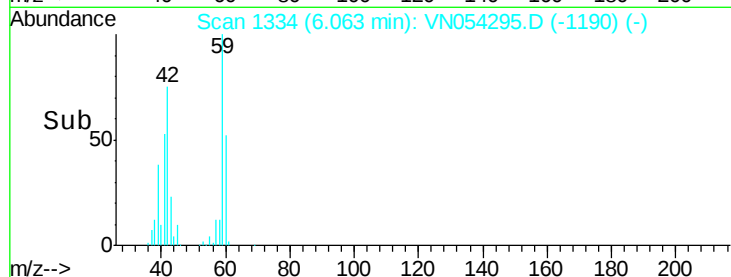
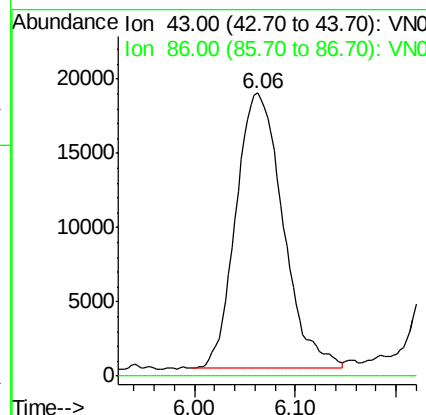
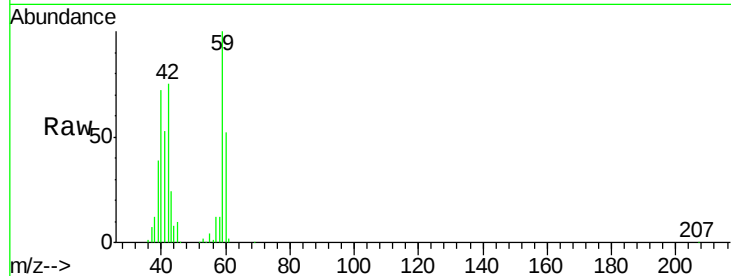




#23
 Vinyl Acetate
 Concen: 2.336 ug/l
 RT: 6.06 min Scan# 1334
 Delta R.T. 0.16 min
 Lab File: VN054295.D
 Acq: 15 Mar 2019 7:18

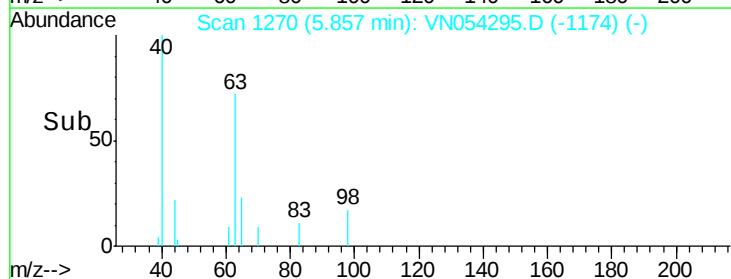
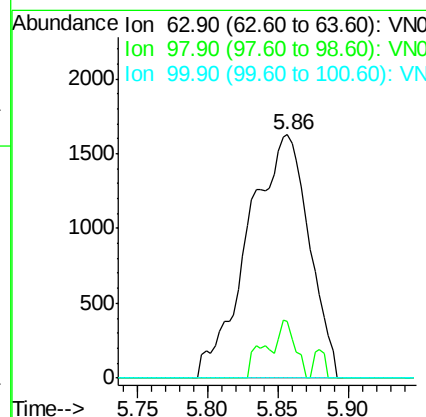
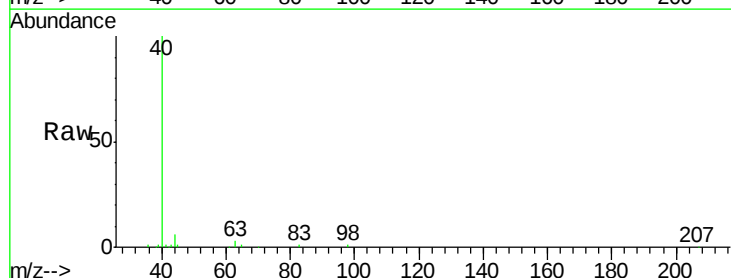
Instrument :
 MSVOA_N
 ClientSampled :
 30302

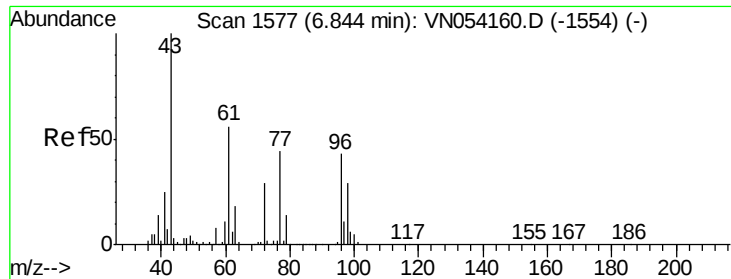
Tot Ion: 43 Resp: 59925
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 0.219 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VN054295.D
 Acq: 15 Mar 2019 7:18

Tgt Ion: 63 Resp: 4886
 Ion Ratio Lower Upper
 63 100
 98 23.5 3.5 10.5#
 100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 188.130 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

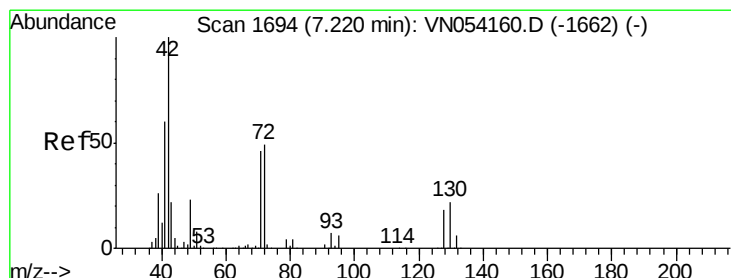
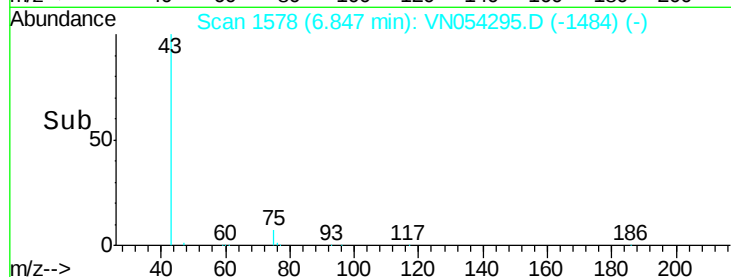
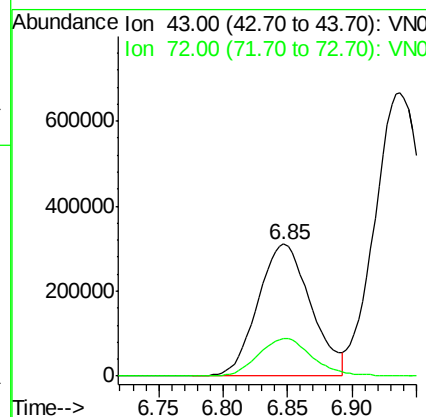
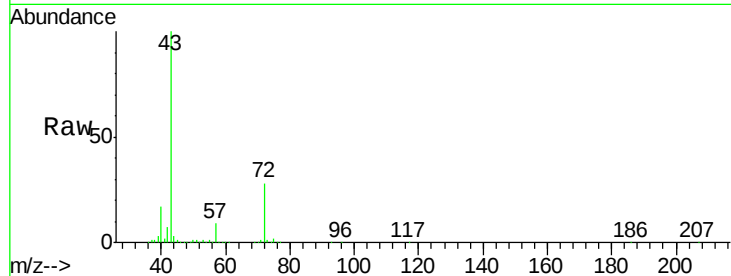
30302

Tot Ion: 43 Resp: 878163

Ion Ratio Lower Upper

43 100

72 28.2 23.0 34.6



#29

Tetrahydrofuran

Concen: 1.650 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.01 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

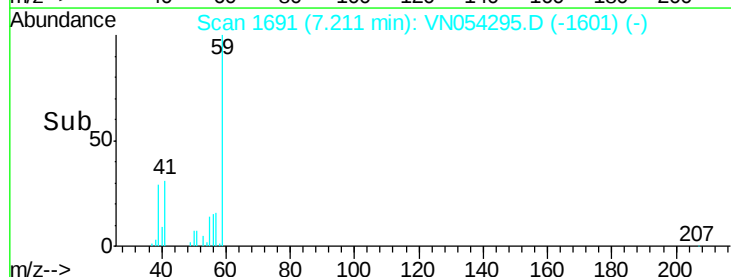
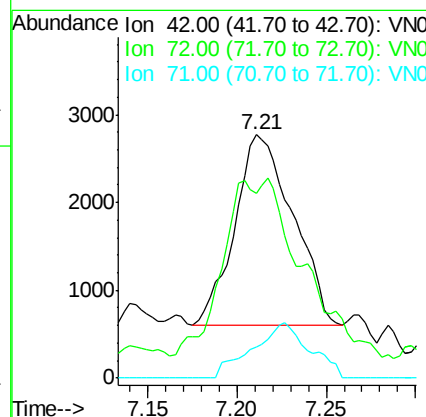
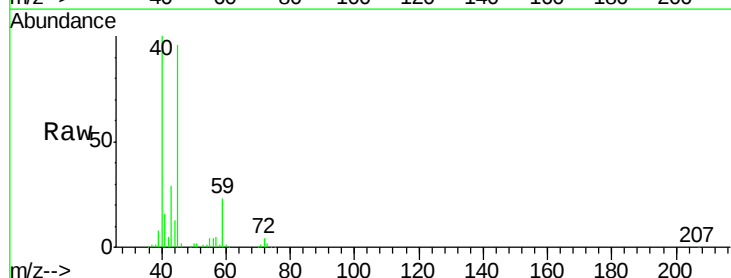
Tgt Ion: 42 Resp: 4953

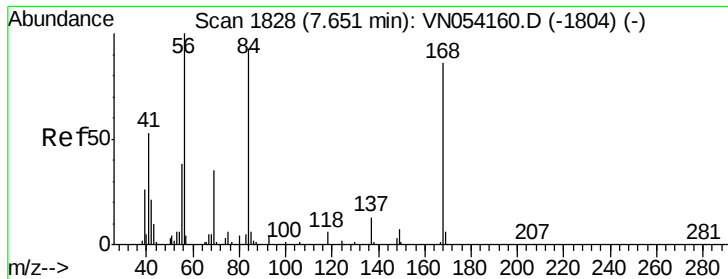
Ion Ratio Lower Upper

42 100

72 54.1 37.8 56.6

71 0.0 36.2 54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampleId :

30302

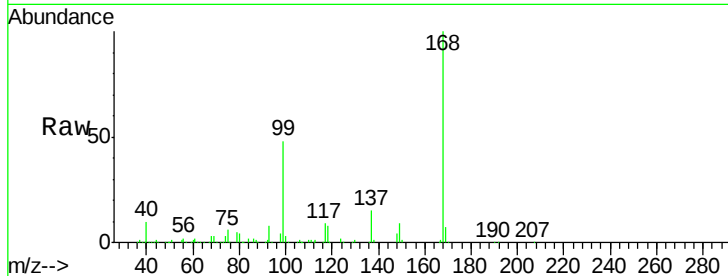
Tot Ion: 56 Resp: 20710

Ion Ratio Lower Upper

56 100

69 188.1 27.8 41.6#

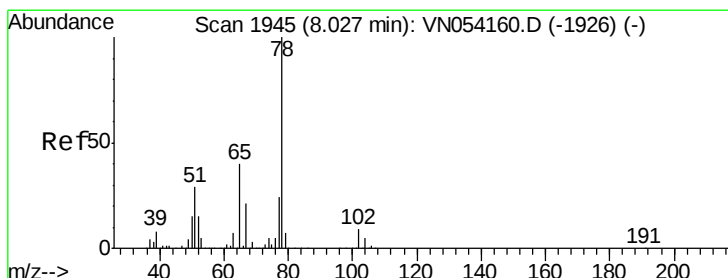
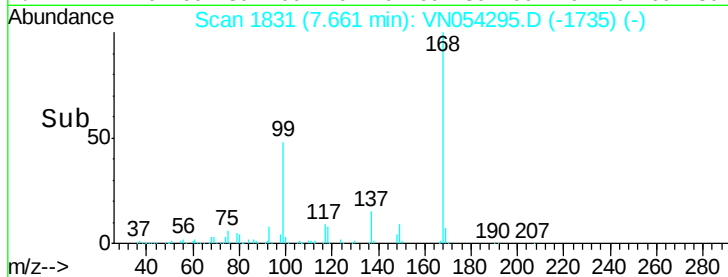
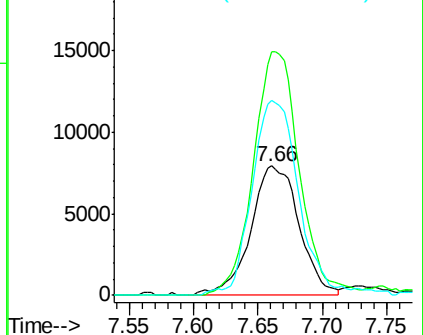
84 150.9 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.908 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054295.D

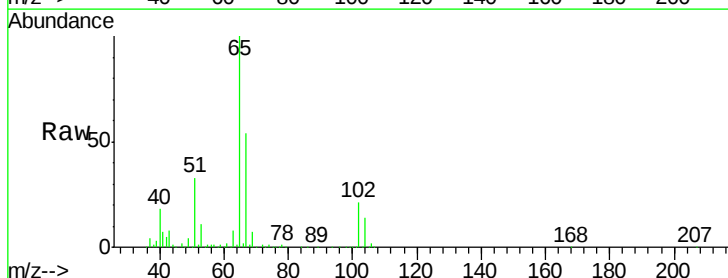
Acq: 15 Mar 2019 7:18

Tgt Ion: 65 Resp: 707124

Ion Ratio Lower Upper

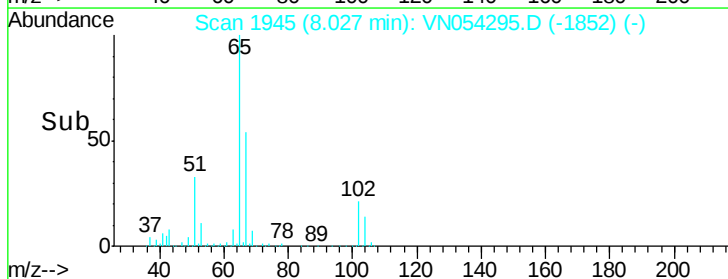
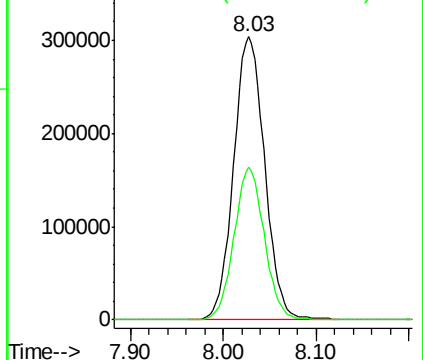
65 100

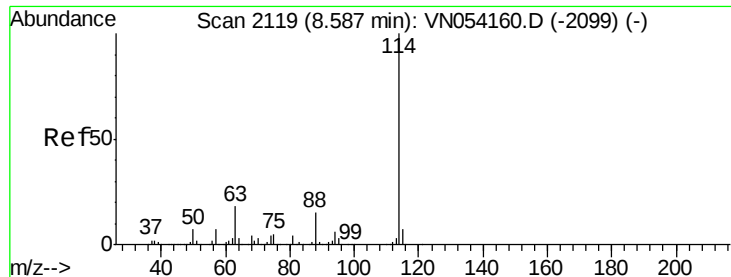
67 52.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

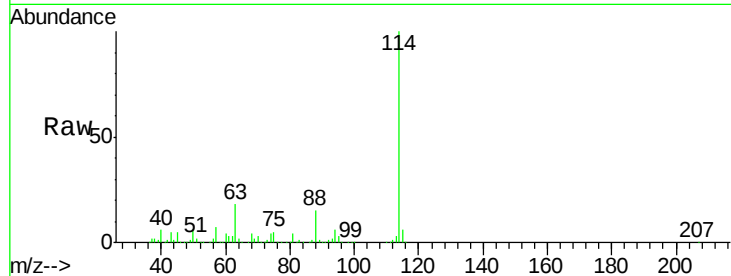




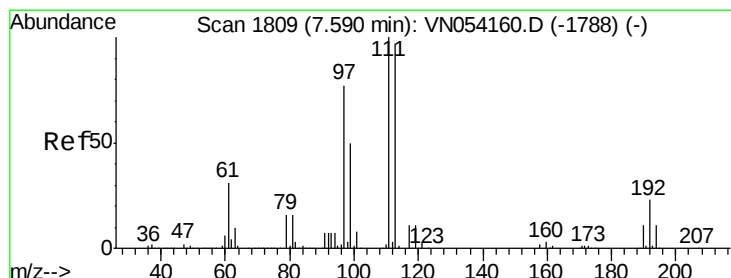
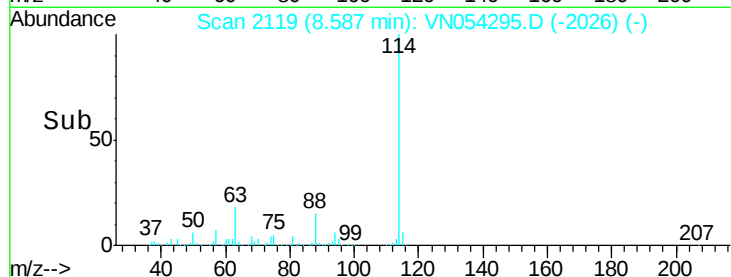
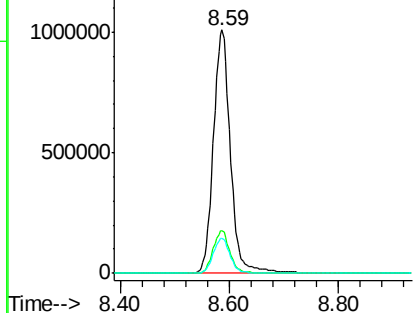
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054295.D
 Acq: 15 Mar 2019 7:18

Instrument :
 MSVOA_N
 ClientSampled :
 30302

Tot Ion:114 Resp: 2182780
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.6 0.0 30.2

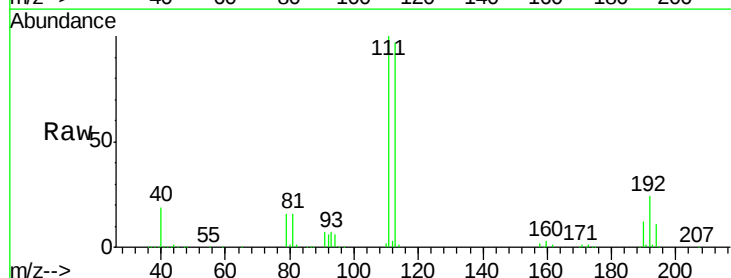


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

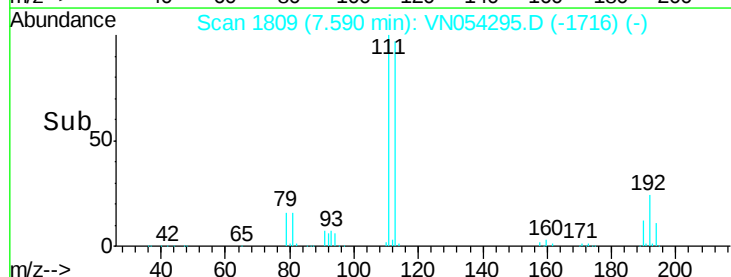
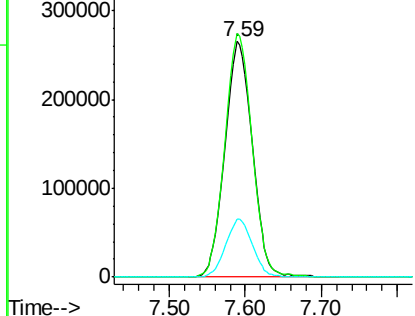


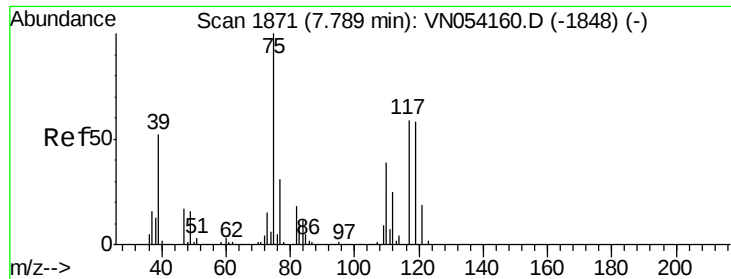
#35
 Dibromofluoromethane
 Concen: 47.530 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054295.D
 Acq: 15 Mar 2019 7:18

Tgt Ion:113 Resp: 669132
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 24.0 19.2 28.8



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: 0.307 ug/l

RT: 7.83 min Scan# 1884

Delta R.T. 0.04 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

30302

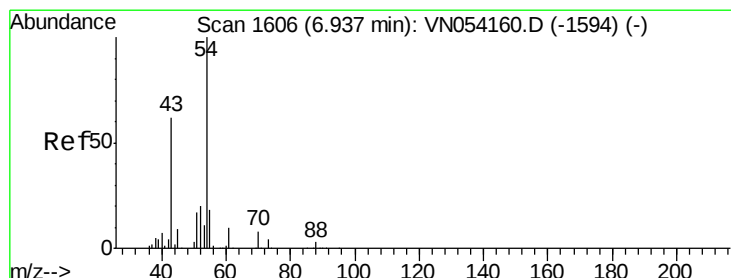
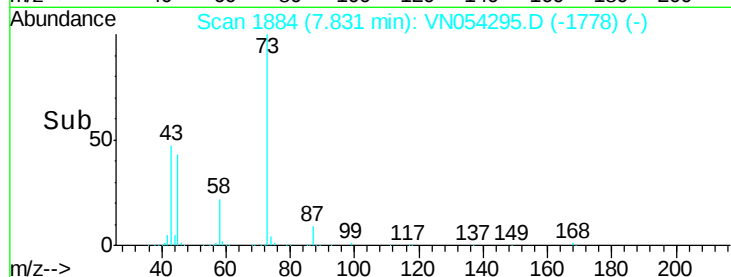
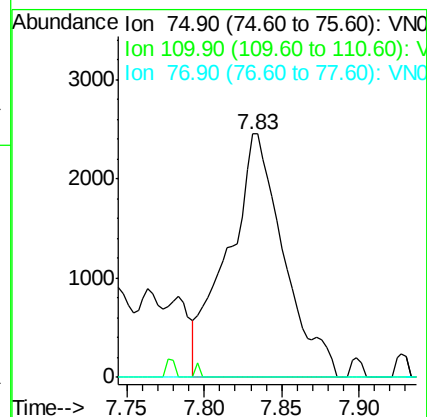
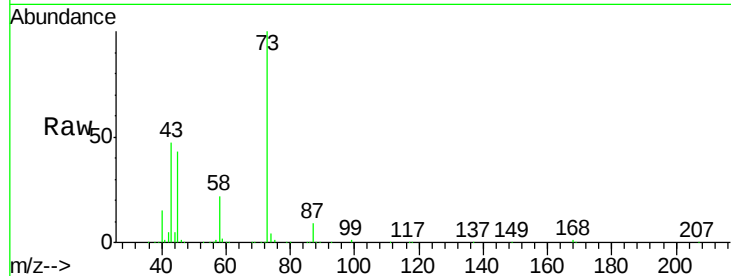
Tot Ion: 75 Resp: 6168

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 158.176 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

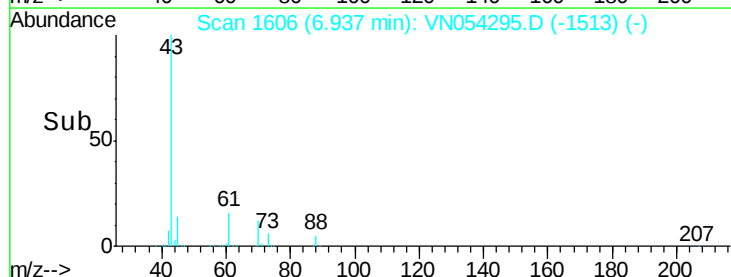
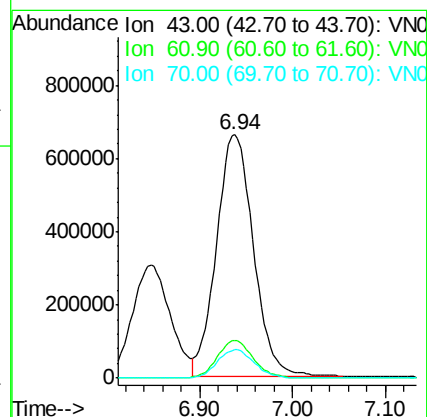
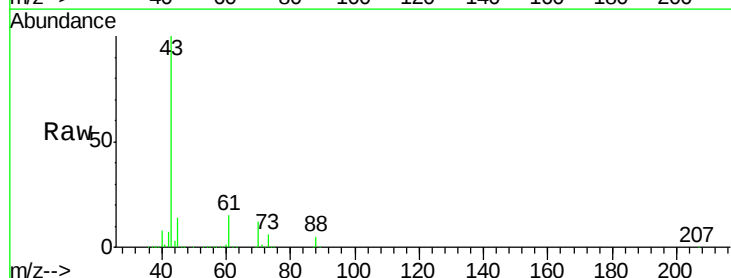
Tgt Ion: 43 Resp: 1826951

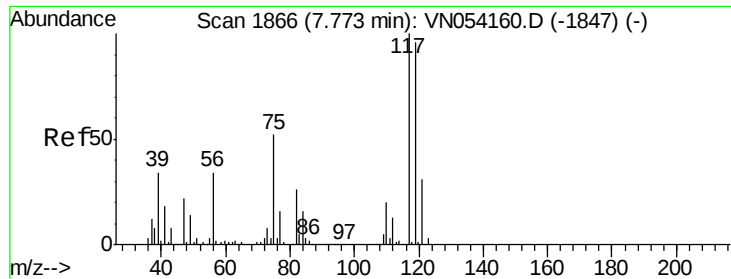
Ion Ratio Lower Upper

43 100

61 15.3 11.8 17.6

70 11.8 8.4 12.6

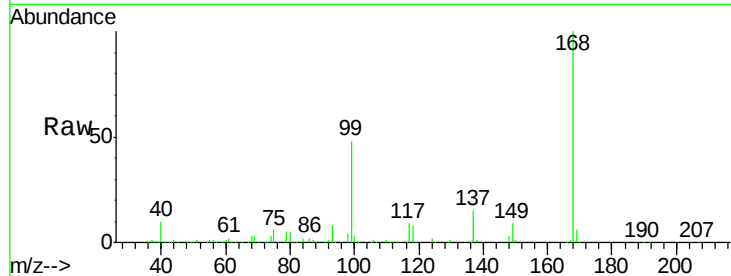




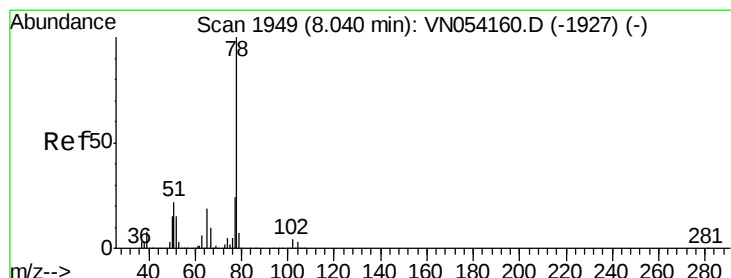
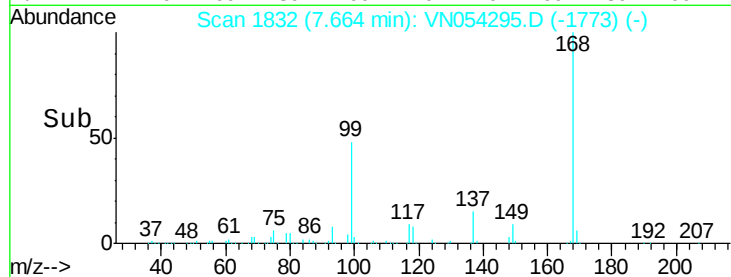
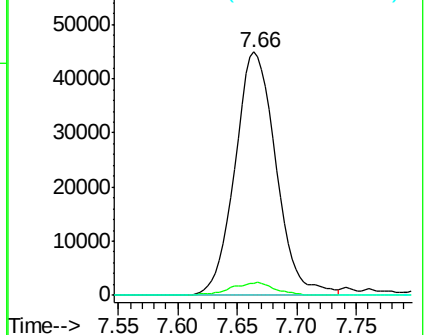
#38
Carbon Tetrachloride
Concen: 5.107 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

Instrument :
MSVOA_N
ClientSampleId :
30302

Tot Ion:117 Resp: 107665
Ion Ratio Lower Upper
117 100
119 5.1 76.3 114.5#
121 0.0 24.6 36.8#

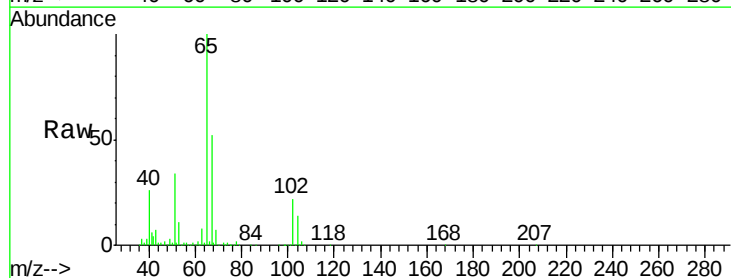


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

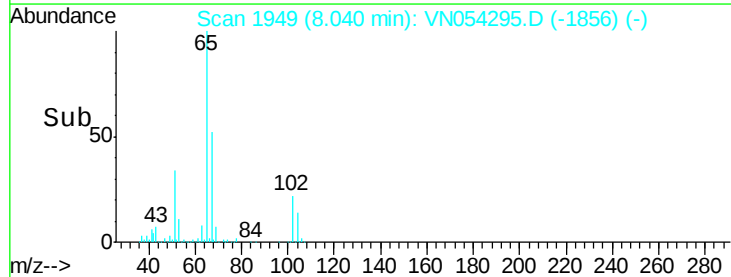
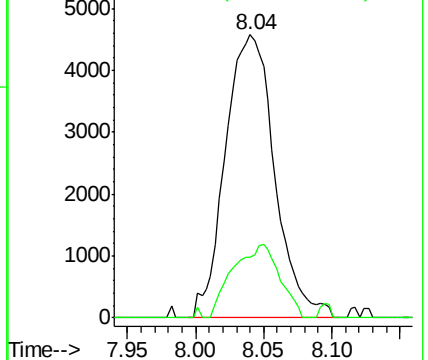


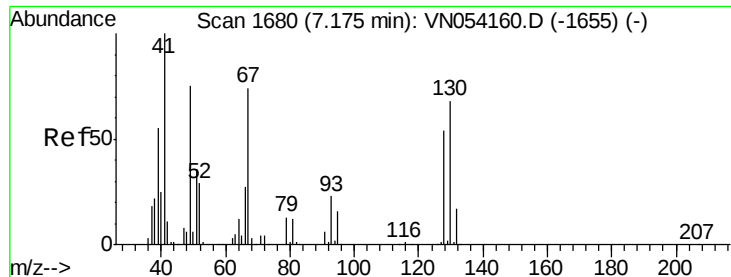
#40
Benzene
Concen: 0.200 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

Tgt Ion: 78 Resp: 11508
Ion Ratio Lower Upper
78 100
77 21.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V

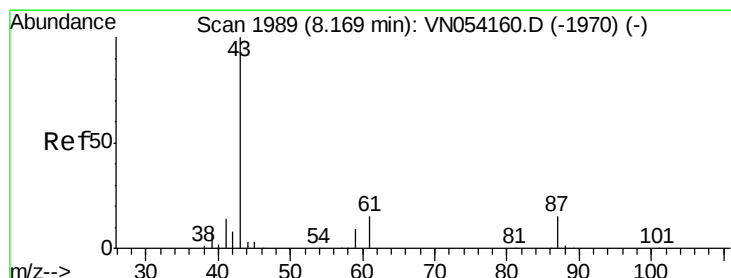
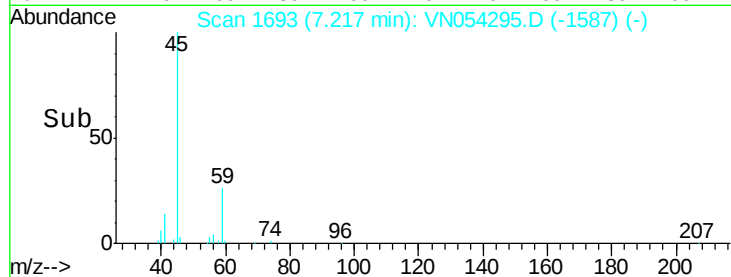
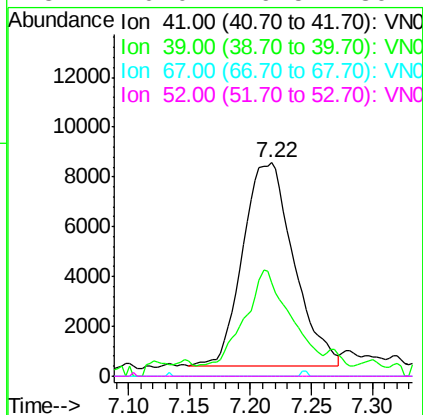
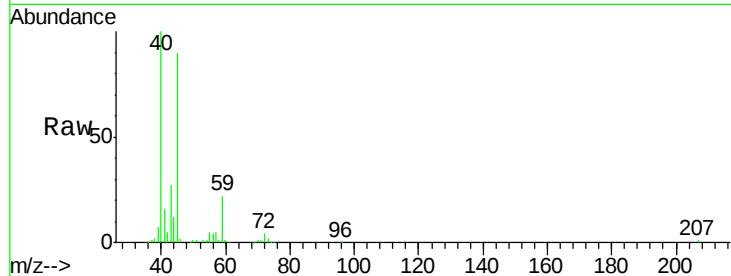




#41
Methacrylonitrile
Concen: 3.564 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.04 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

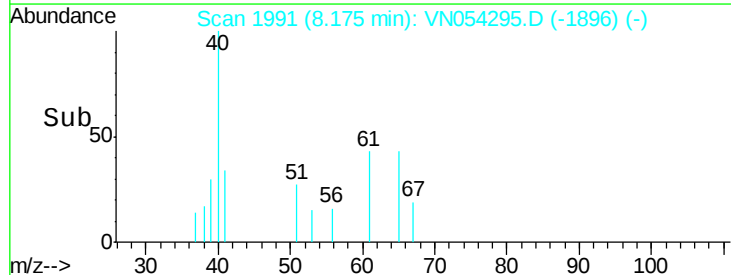
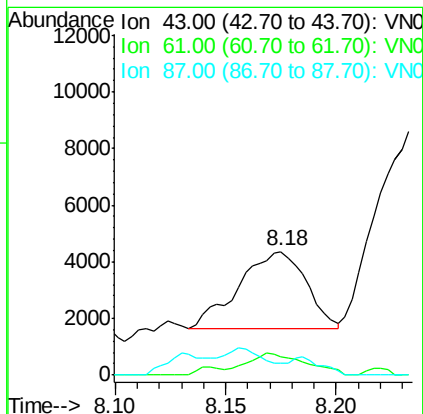
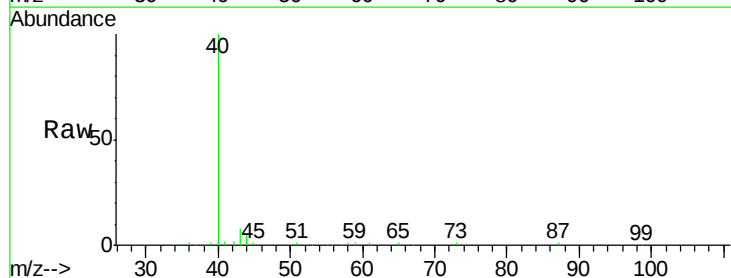
Instrument :
MSVOA_N
ClientSampled :
30302

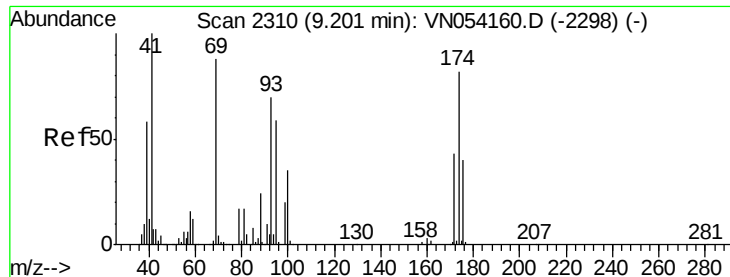
Tot Ion: 41 Resp: 23502
Ion Ratio Lower Upper
41 100
39 39.3 46.8 70.2#
67 0.0 67.0 100.4#
52 0.0 26.5 39.7#



#43
Isopropyl Acetate
Concen: 0.279 ug/l
RT: 8.18 min Scan# 1991
Delta R.T. 0.01 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

Tgt Ion: 43 Resp: 5659
Ion Ratio Lower Upper
43 100
61 25.3 15.8 23.8#
87 11.1 12.0 18.0#

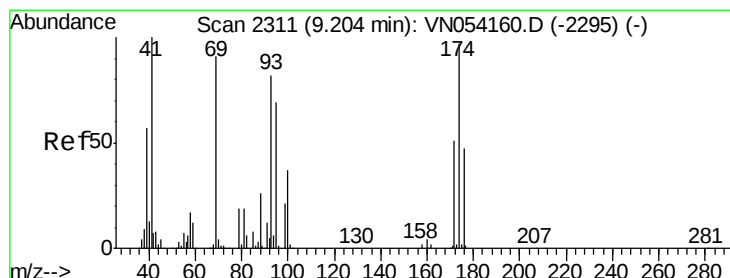
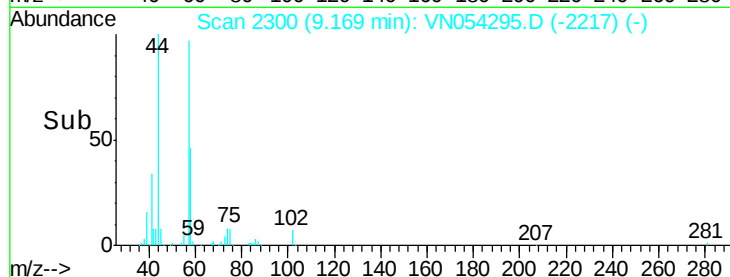
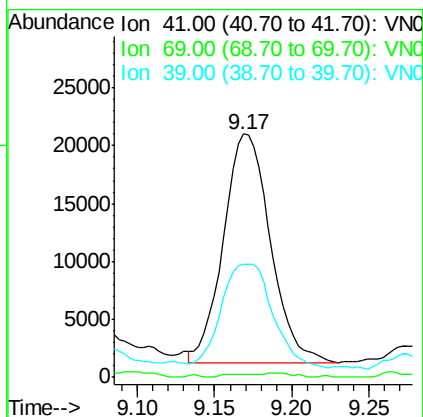
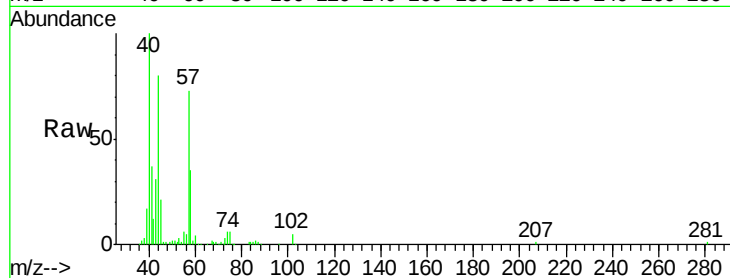




#48
Methvl methacrylate
Concen: 4.035 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.03 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

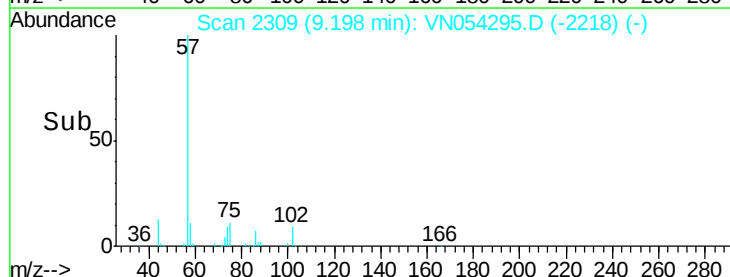
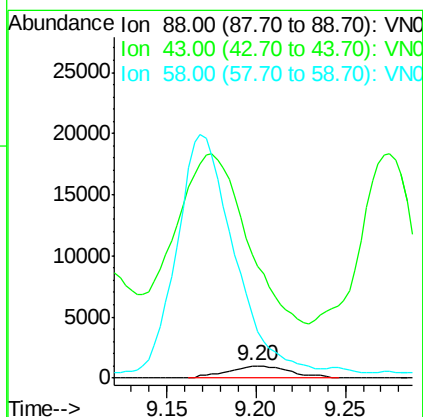
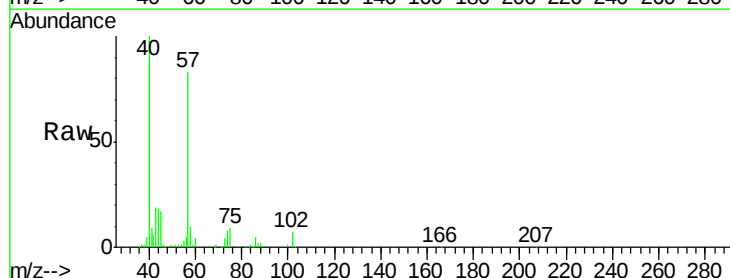
Instrument :
MSVOA_N
ClientSampled :
30302

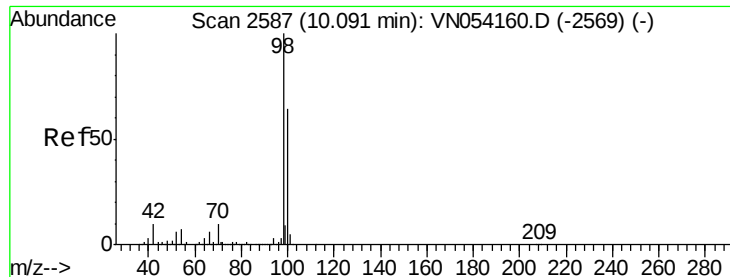
Tot Ion: 41 Resp: 41517
Ion Ratio Lower Upper
41 100
69 1.1 72.6 108.8#
39 49.6 47.5 71.3



#49
1,4-Dioxane
Concen: 16.505 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.01 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

Tgt Ion: 88 Resp: 2402
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 0.0 50.8 76.2#





#50

Toluene-d8

Concen: 53.095 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

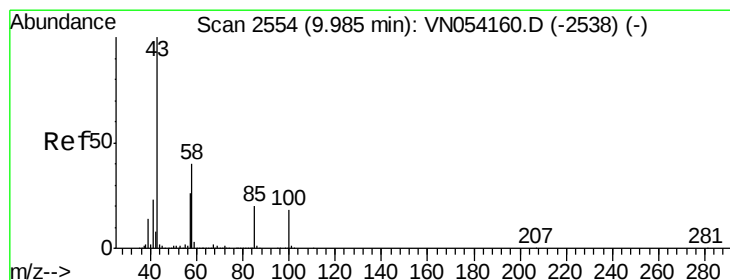
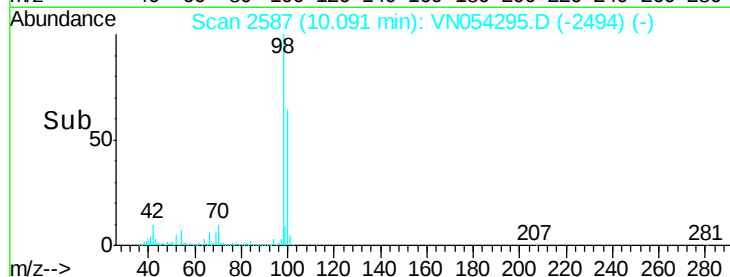
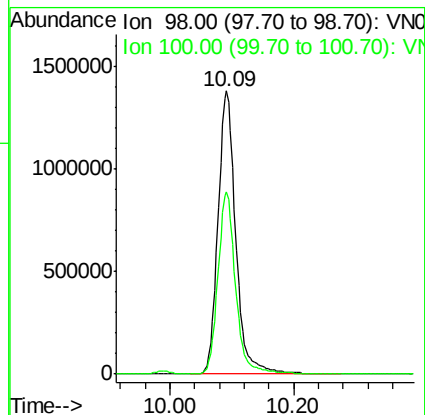
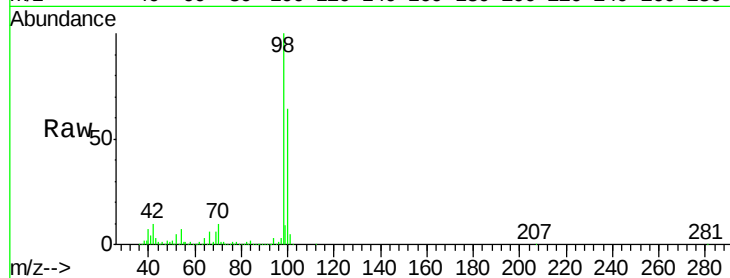
30302

Tot Ion: 98 Resp: 2760522

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 27.862 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054295.D

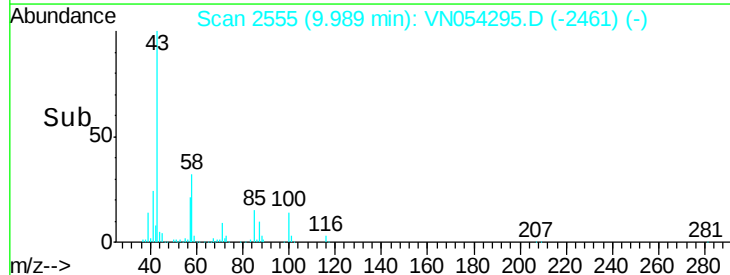
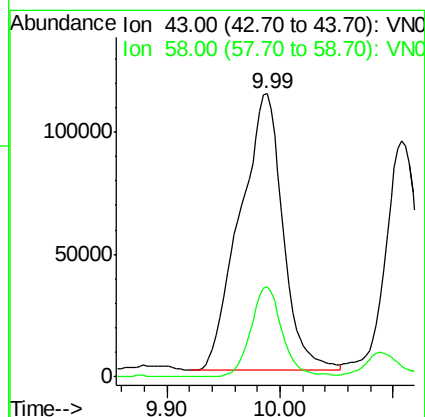
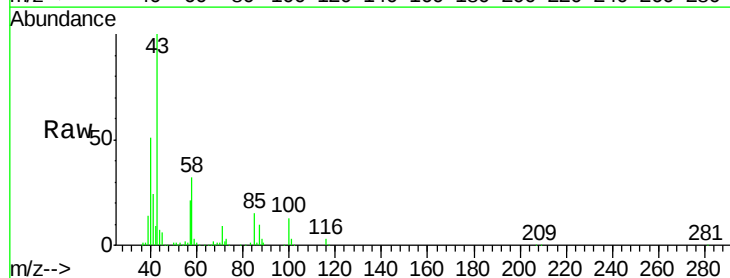
Acq: 15 Mar 2019 7:18

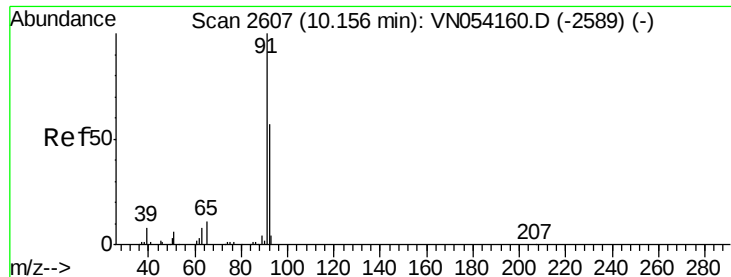
Tgt Ion: 43 Resp: 298934

Ion Ratio Lower Upper

43 100

58 23.9 31.8 47.6#





#52

Toluene

Concen: 5.506 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

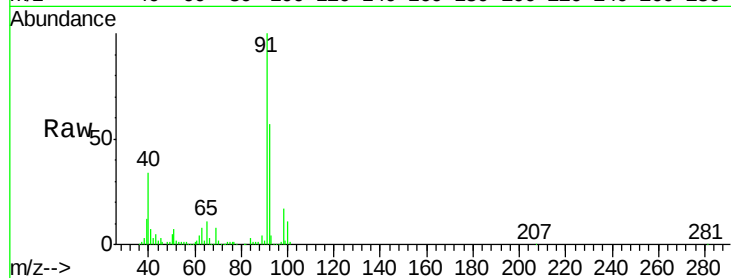
30302

Tot Ion: 92 Resp: 200808

Ion Ratio Lower Upper

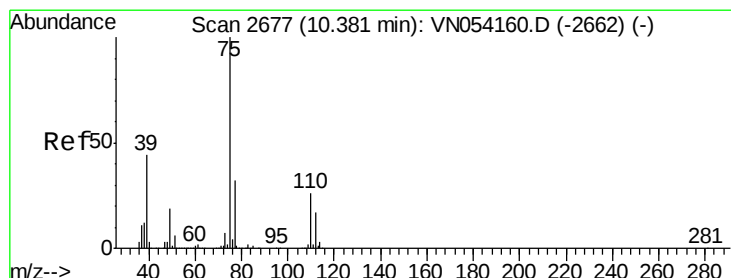
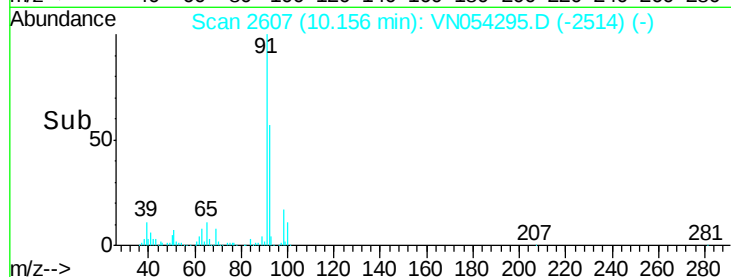
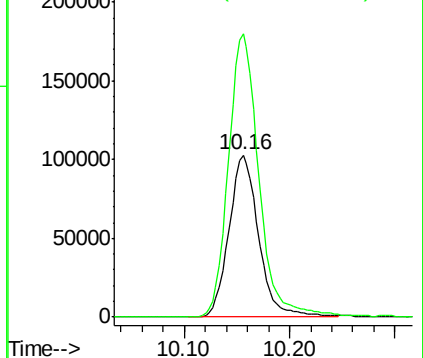
92 100

91 179.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.089 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN054295.D

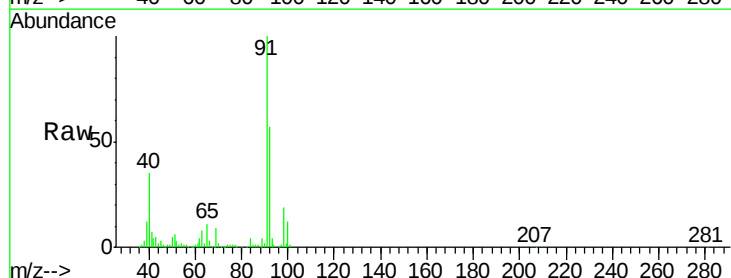
Acq: 15 Mar 2019 7:18

Tgt Ion: 75 Resp: 2383

Ion Ratio Lower Upper

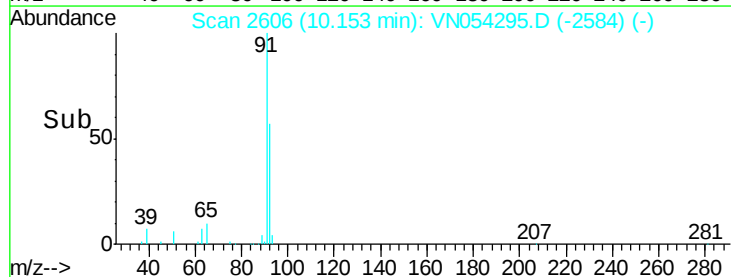
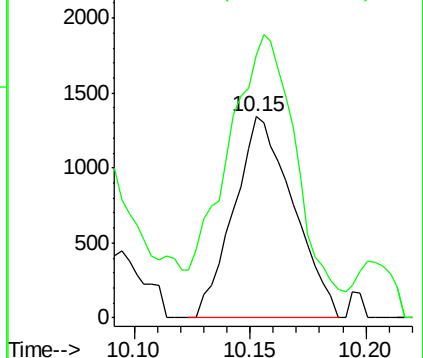
75 100

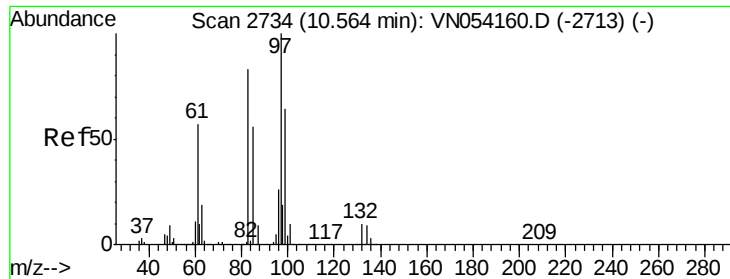
77 116.3 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

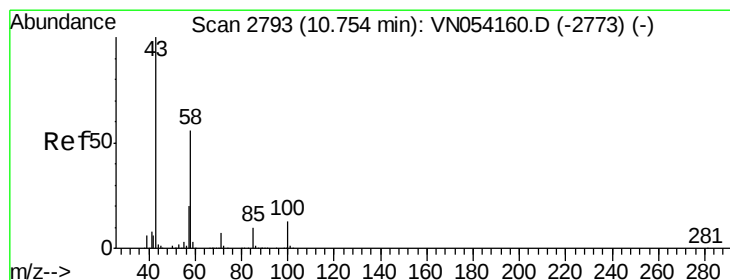
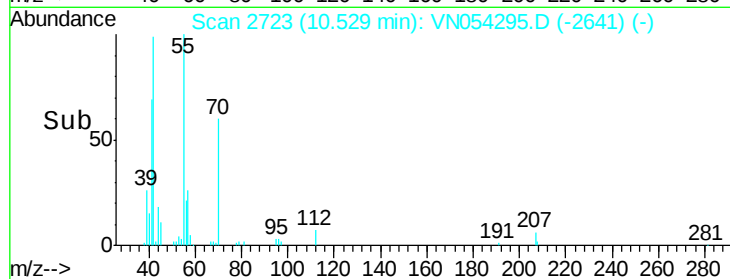
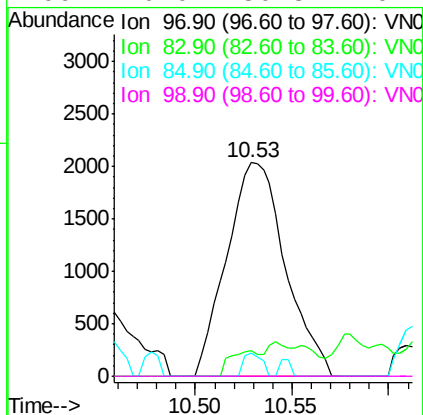
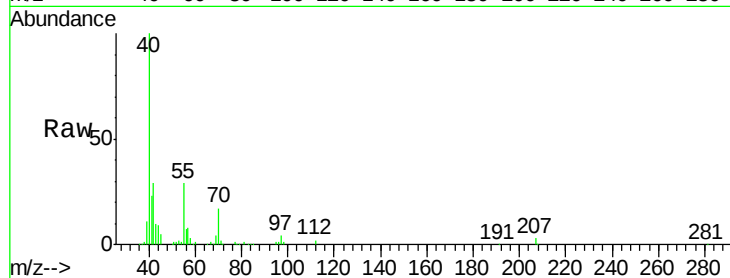




#55
 1,1,2-Trichloroethane
 Concen: 0.323 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.04 min
 Lab File: VN054295.D
 Acq: 15 Mar 2019 7:18

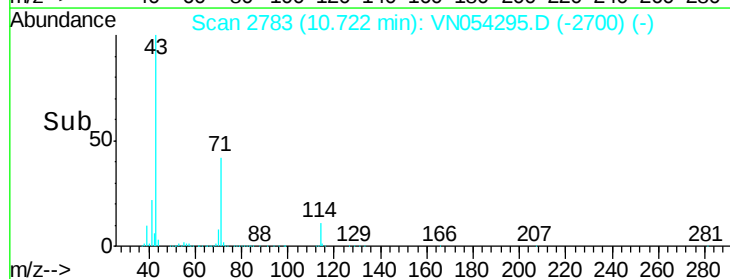
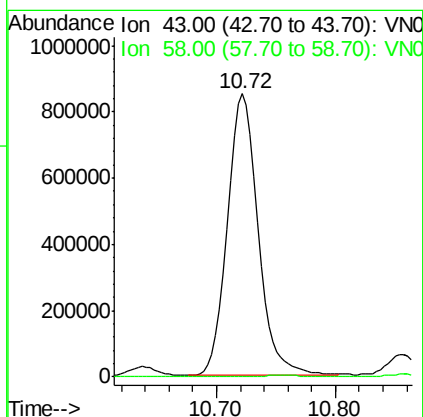
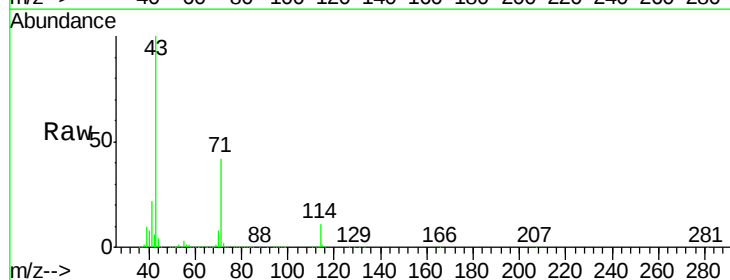
Instrument :
 MSVOA_N
 ClientSampleId :
 30302

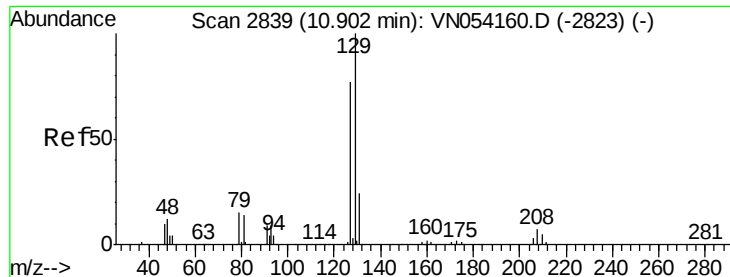
Tot Ion: 97 Resp: 4306
 Ion Ratio Lower Upper
 97 100
 83 11.9 66.6 100.0#
 85 10.8 44.4 66.6#
 99 0.0 50.8 76.2#



#59
 2-Hexanone
 Concen: 214.717 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. -0.03 min
 Lab File: VN054295.D
 Acq: 15 Mar 2019 7:18

Tgt Ion: 43 Resp: 1532863
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 83.9#





#60

Dibromochloromethane

Concen: 4.434 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampleId :

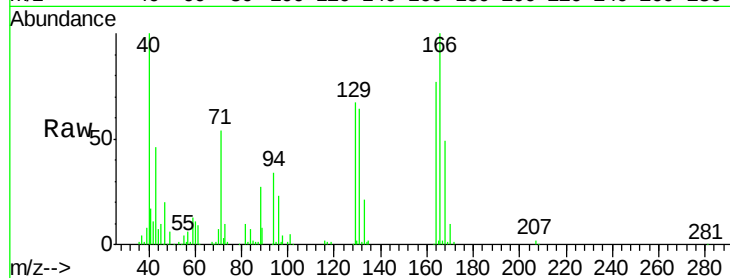
30302

Tot Ion:129 Resp: 66472

Ion Ratio Lower Upper

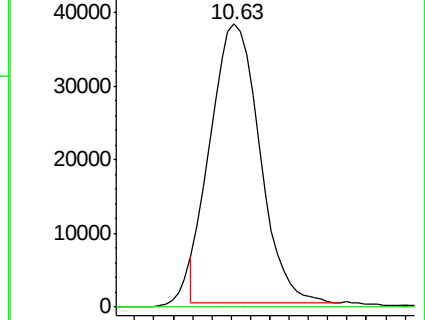
129 100

127 0.0 38.6 115.8#

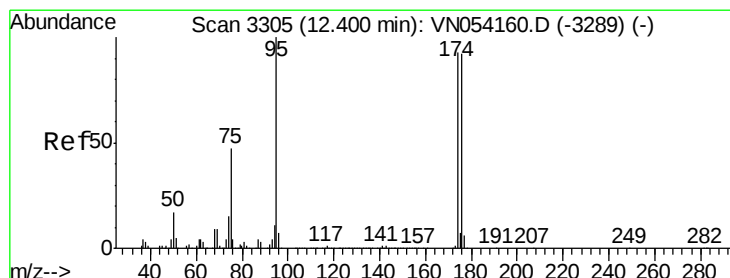
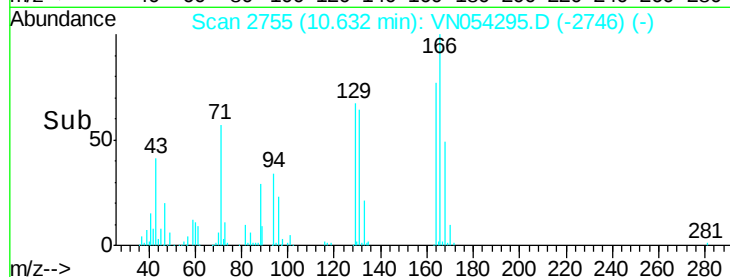


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 61.592 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

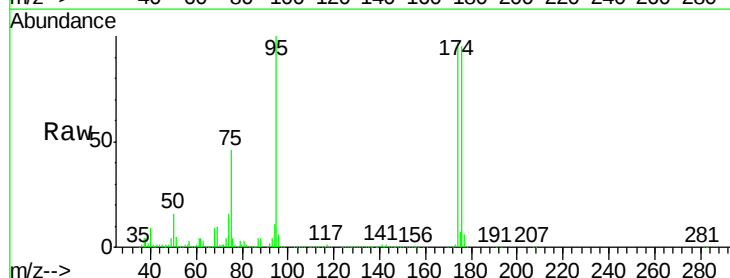
Tgt Ion: 95 Resp: 1120496

Ion Ratio Lower Upper

95 100

174 97.0 0.0 191.0

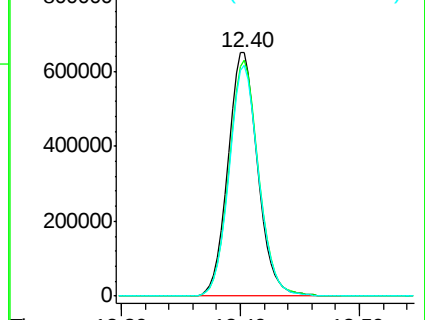
176 94.8 0.0 187.4



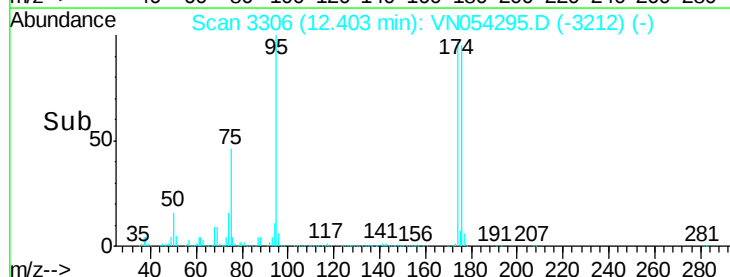
Abundance Ion 94.90 (94.60 to 95.60): V

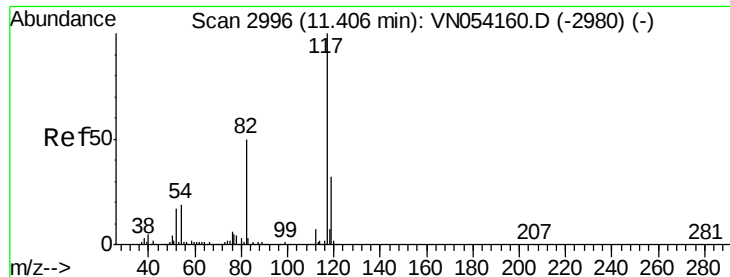
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

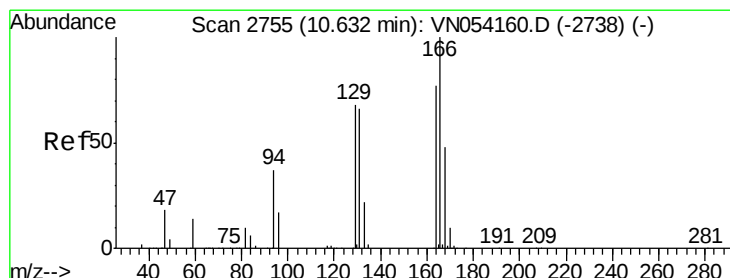
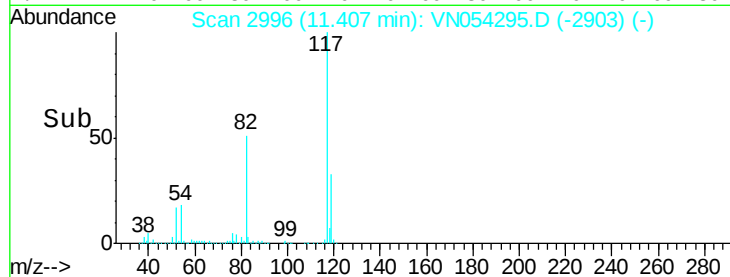
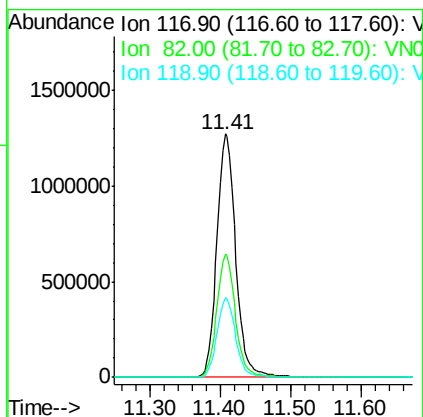
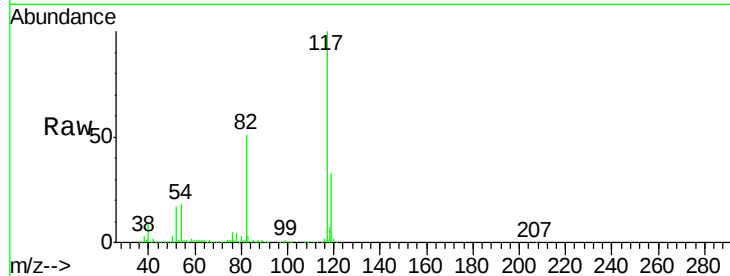




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

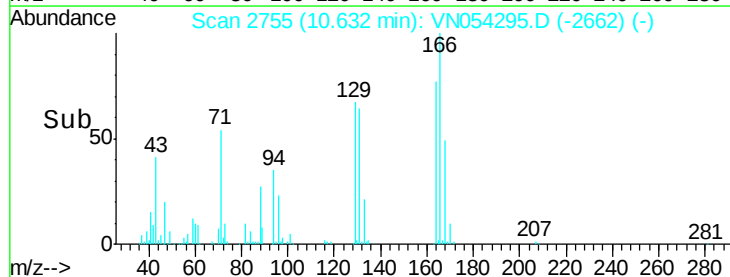
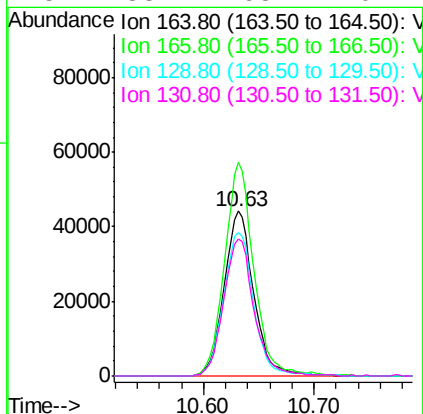
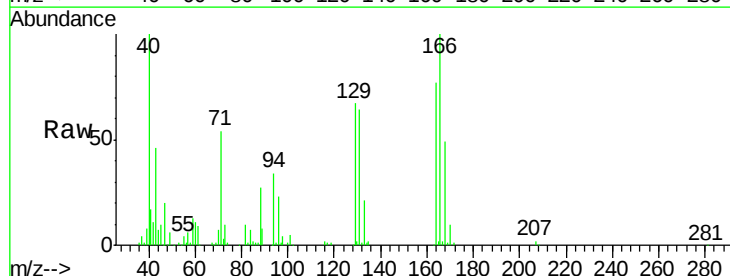
Instrument :
MSVOA_N
ClientSampleId :
30302

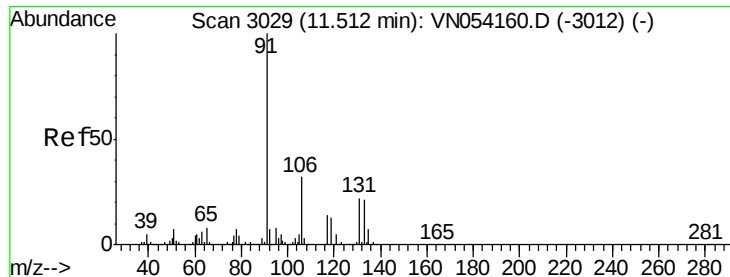
Tot Ion:117 Resp: 2358286
Ion Ratio Lower Upper
117 100
82 50.7 40.0 60.0
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 3.610 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

Tgt Ion:164 Resp: 82315
Ion Ratio Lower Upper
164 100
166 129.8 103.9 155.9
129 87.0 71.1 106.7
131 83.1 68.2 102.4

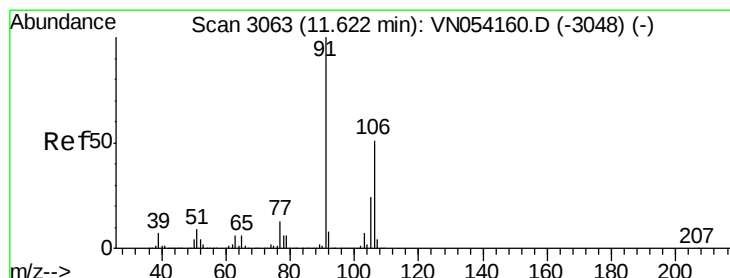
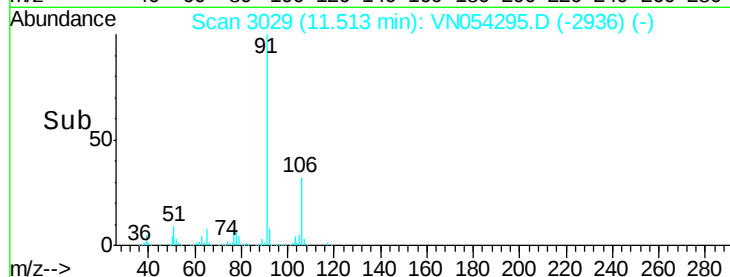
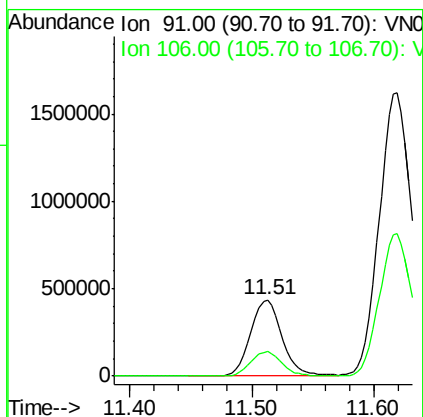
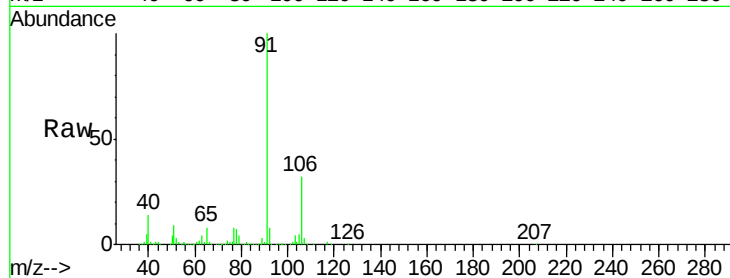




#67
Ethyl Benzene
Concen: 9.024 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

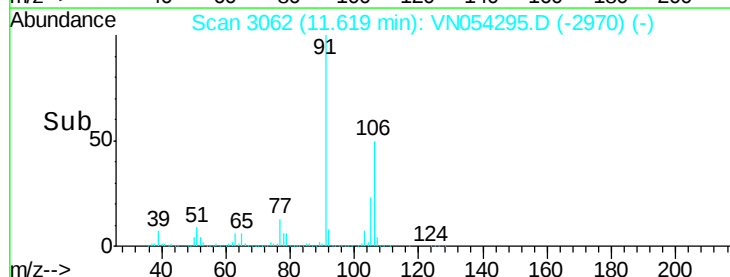
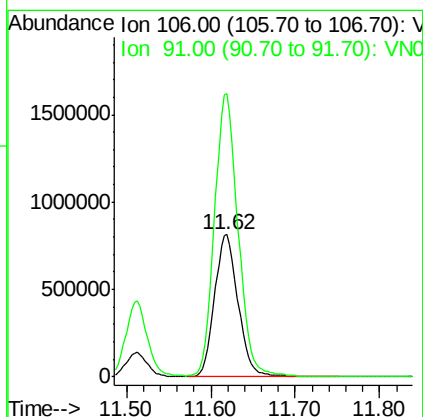
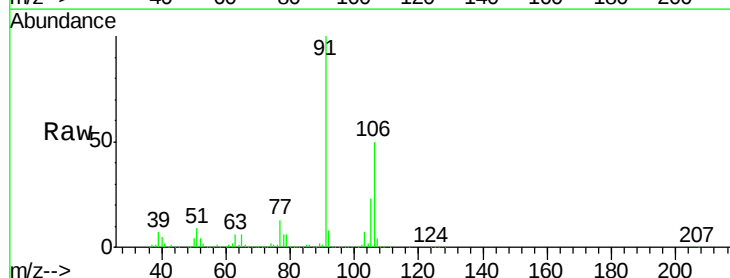
Instrument :
MSVOA_N
ClientSampled :
30302

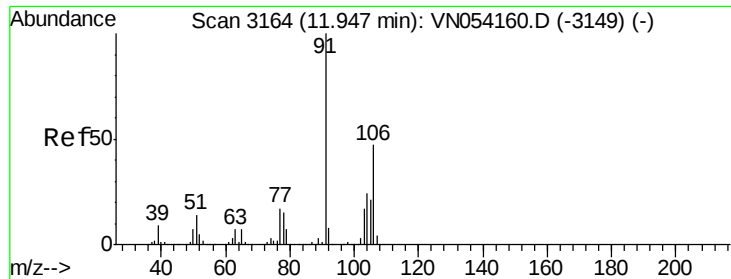
Tot Ion: 91 Resp: 774610
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 47.071 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

Tgt Ion: 106 Resp: 1579182
Ion Ratio Lower Upper
106 100
91 199.4 159.4 239.2





#69

o-Xylene

Concen: 34.511 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

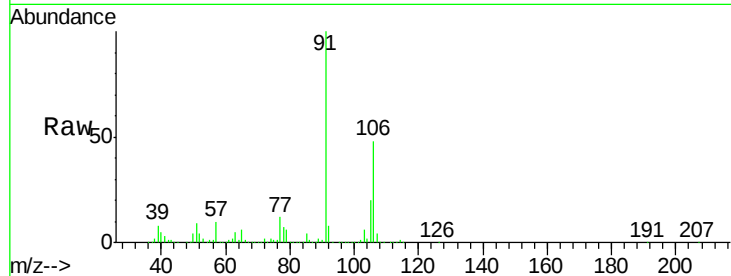
30302

Tot Ion:106 Resp: 1128677

Ion Ratio Lower Upper

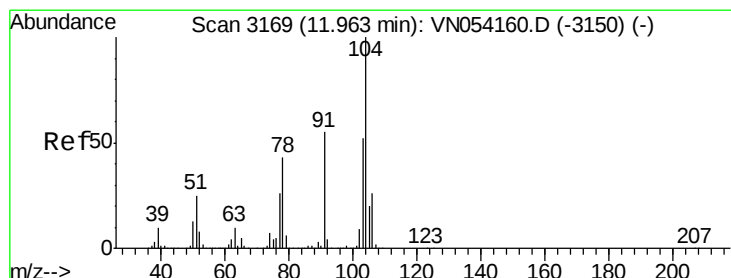
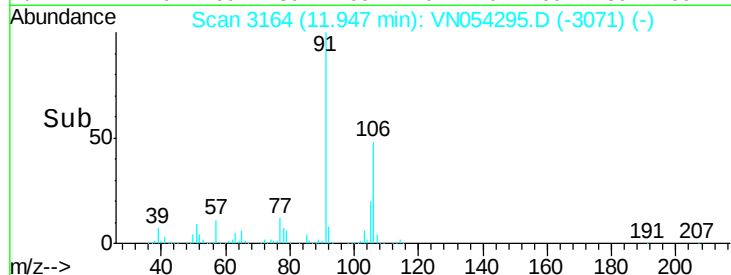
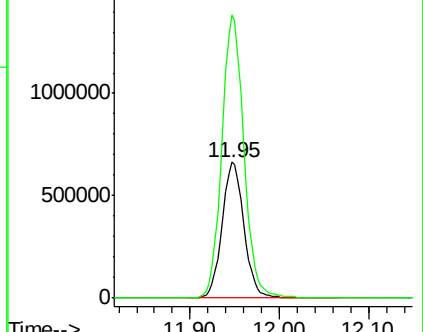
106 100

91 209.6 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 1.114 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

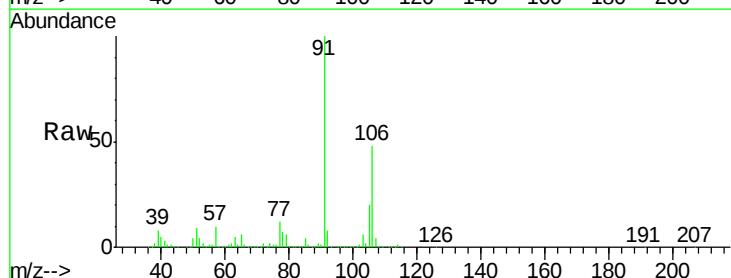
Tgt Ion:104 Resp: 57157

Ion Ratio Lower Upper

104 100

78 273.5 38.2 57.2#

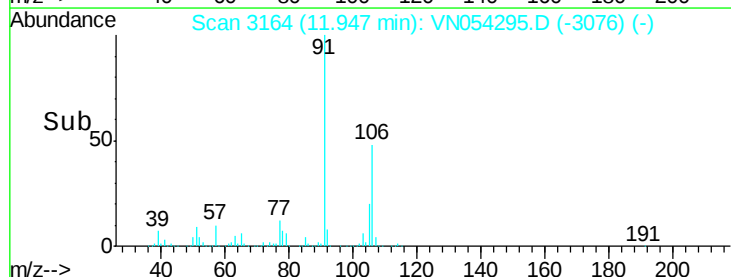
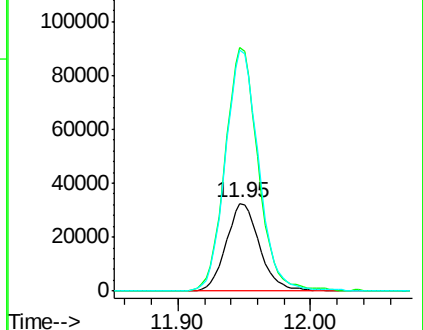
103 272.3 44.4 66.6#

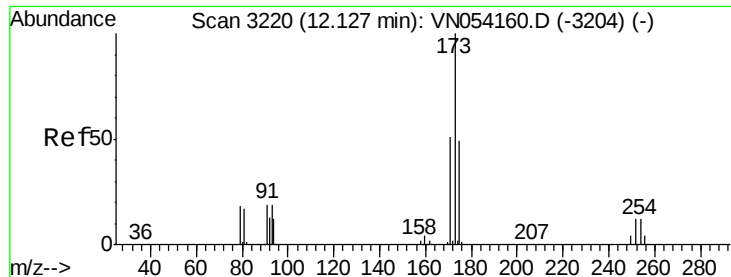


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 2.781 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampleId :

30302

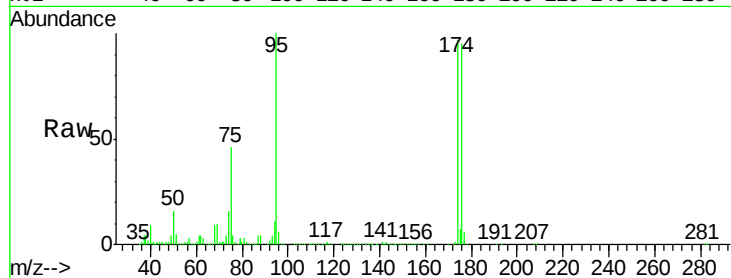
Tot Ion:173 Resp: 6474

Ion Ratio Lower Upper

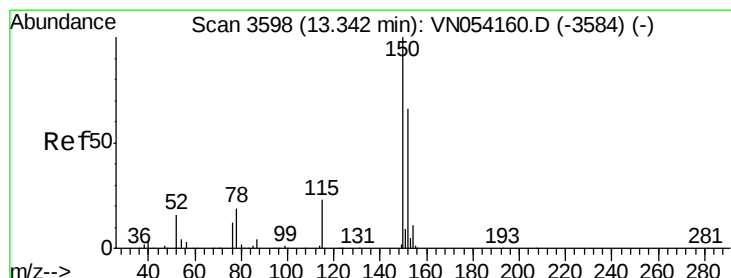
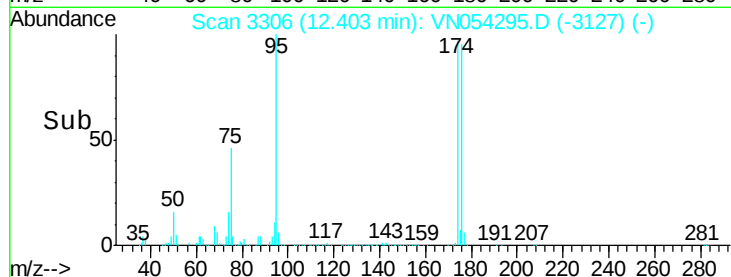
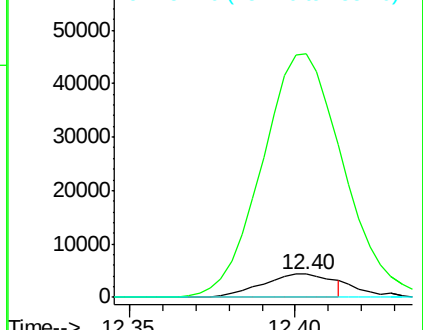
173 100

175 1022.2 24.4 73.2#

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

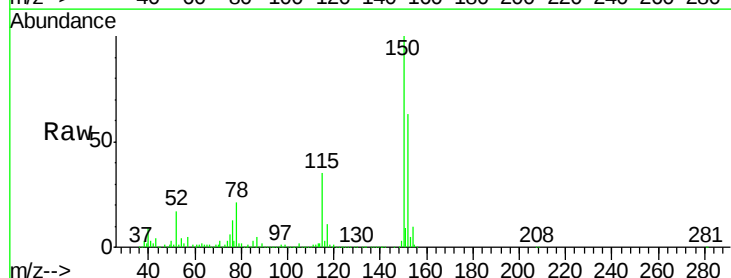
Tgt Ion:152 Resp: 1147443

Ion Ratio Lower Upper

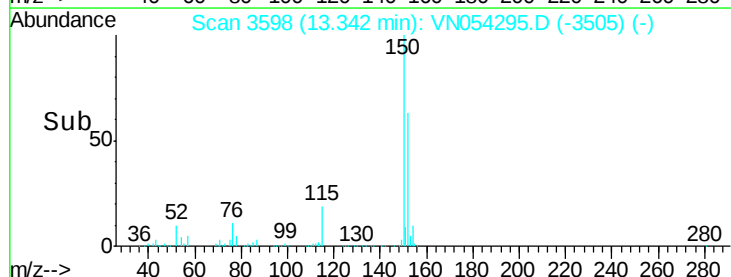
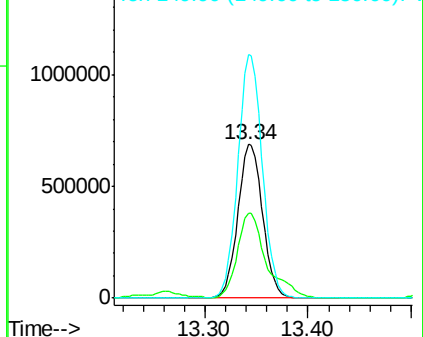
152 100

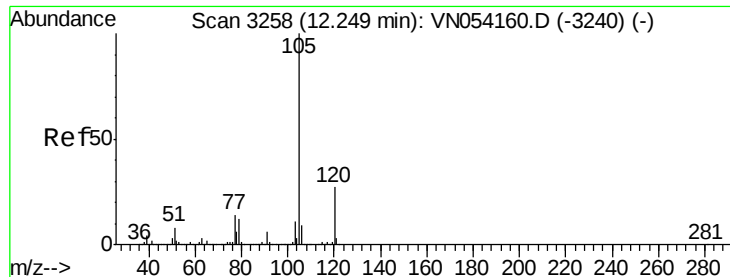
115 64.6 27.2 81.6

150 157.3 0.0 349.2



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: 1.501 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

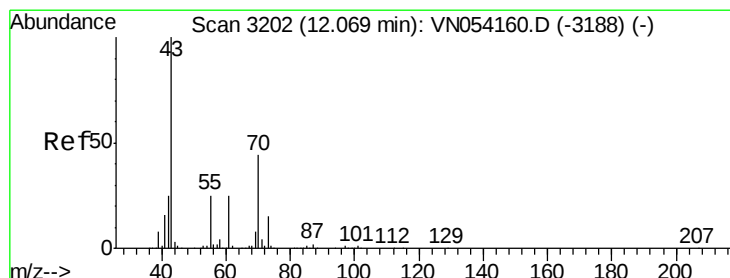
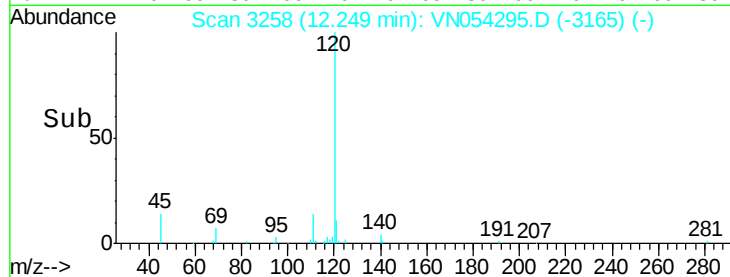
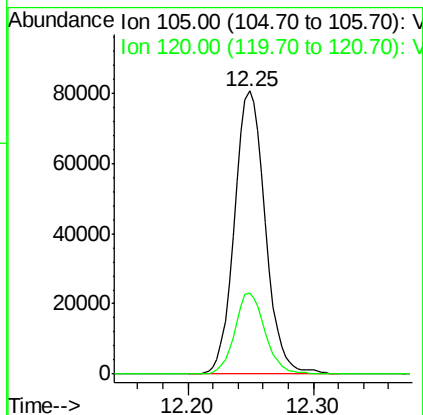
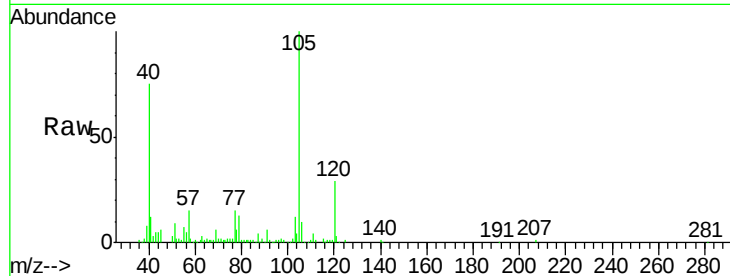
ClientSampleId :
30302

Tot Ion:105 Resp: 137838

Ion Ratio Lower Upper

105 100

120 28.2 13.8 41.3



#74

N-ethyl acetate

Concen: 16.144 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Tgt Ion: 43 Resp: 328964

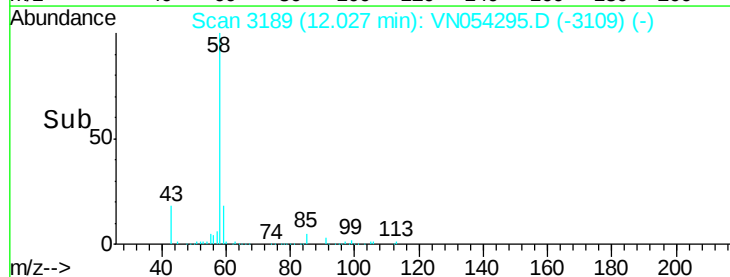
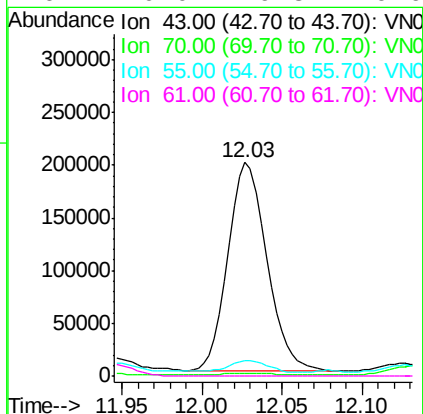
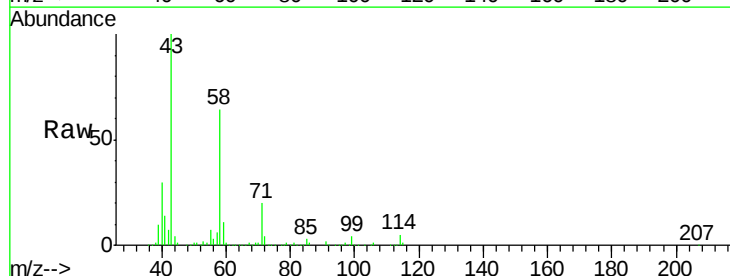
Ion Ratio Lower Upper

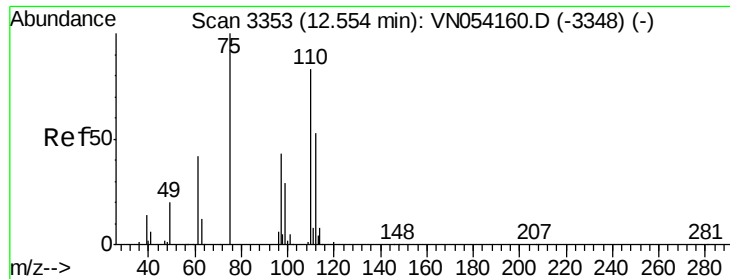
43 100

70 1.1 35.4 53.0#

55 5.9 19.8 29.6#

61 0.0 19.8 29.6#





#76

1,2,3-Trichloropropane

Concen: 1.462 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. 0.10 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

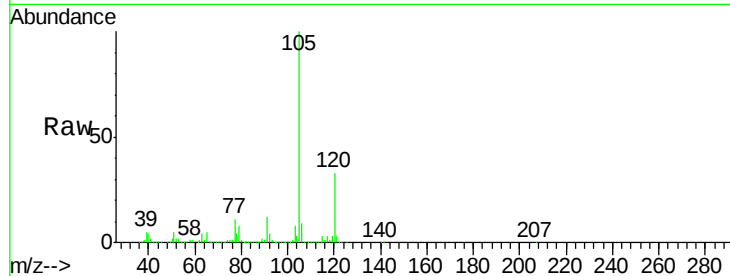
30302

Tot Ion: 75 Resp: 24676

Ion Ratio Lower Upper

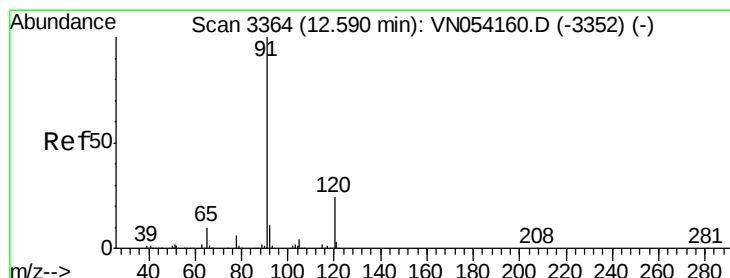
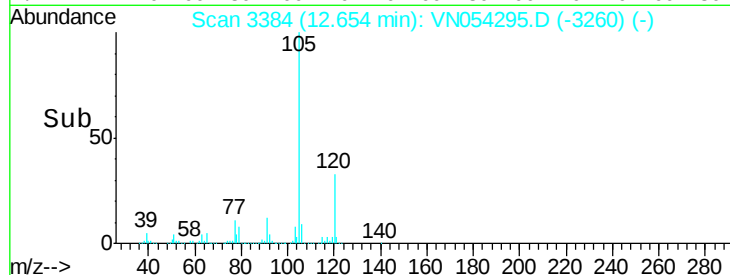
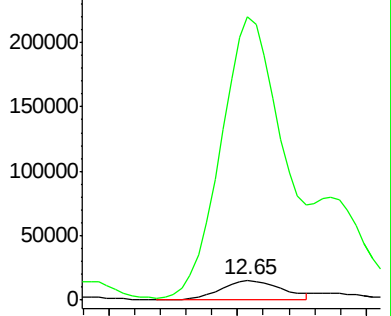
75 100

77 1456.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 6.077 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054295.D

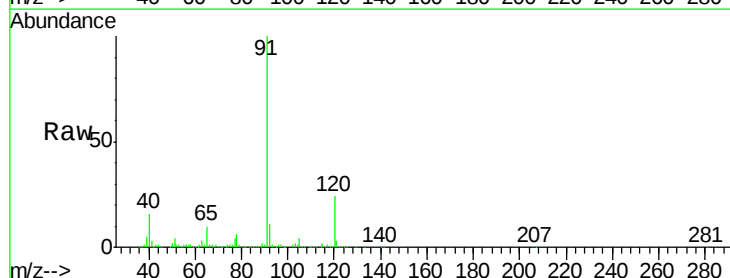
Acq: 15 Mar 2019 7:18

Tgt Ion: 91 Resp: 605302

Ion Ratio Lower Upper

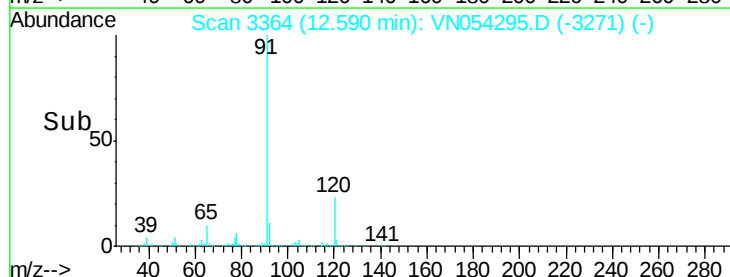
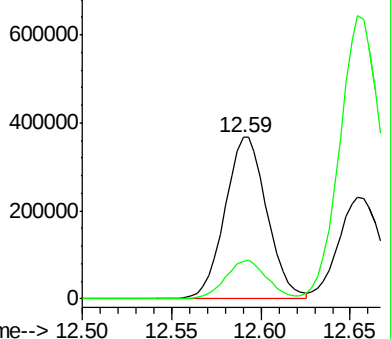
91 100

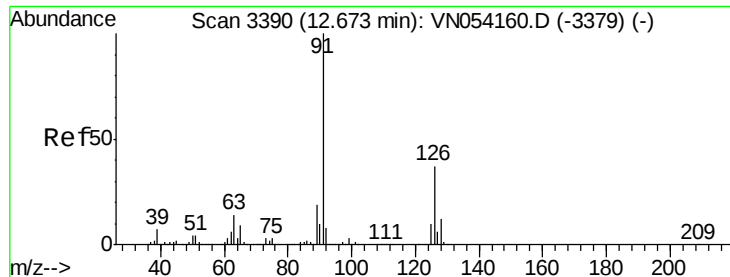
120 23.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.859 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

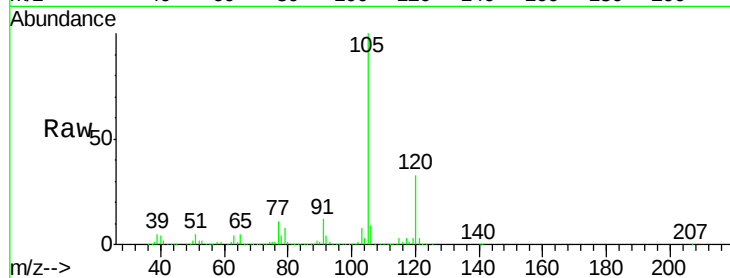
ClientSampled :
30302

Tot Ion: 91 Resp: 350910

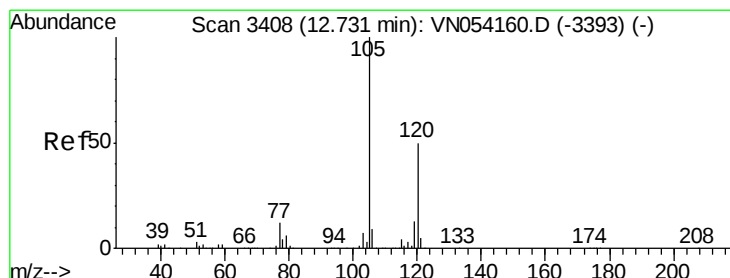
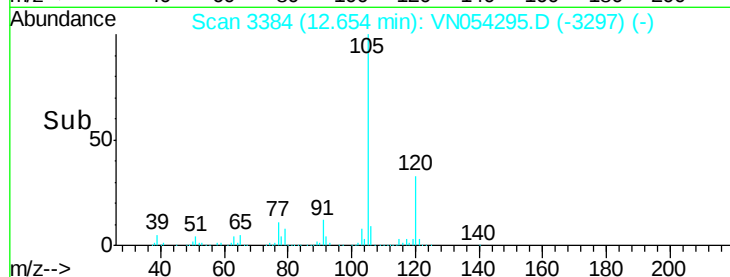
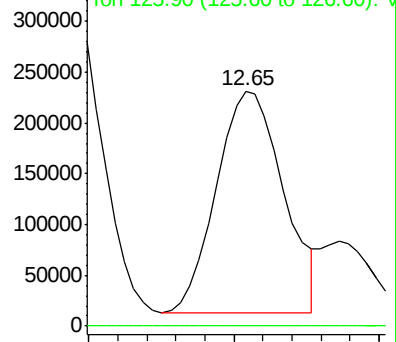
Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.678 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054295.D

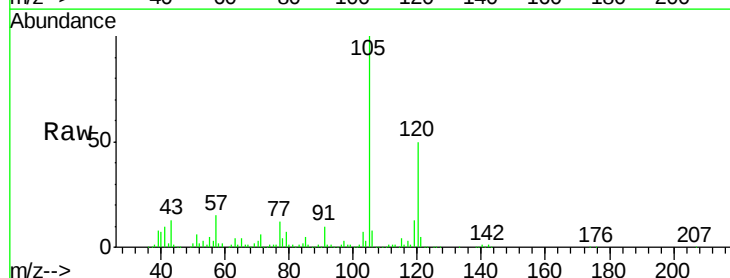
Acq: 15 Mar 2019 7:18

Tgt Ion: 105 Resp: 1579015

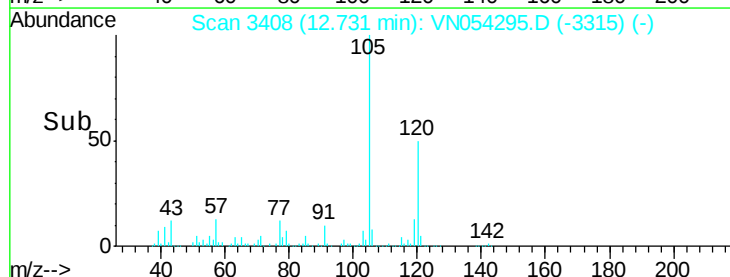
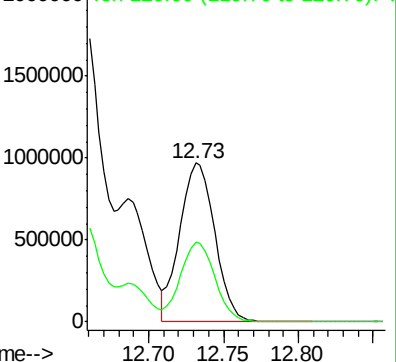
Ion Ratio Lower Upper

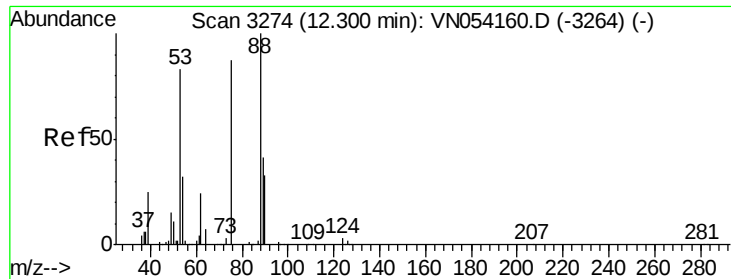
105 100

120 49.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

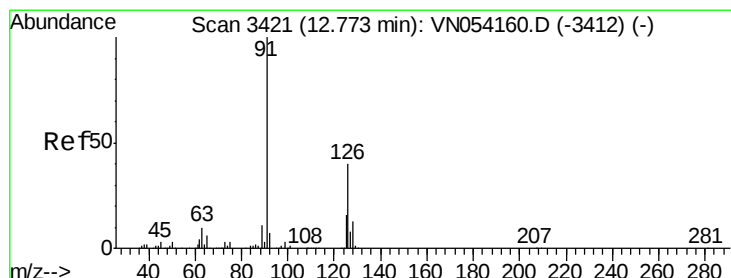
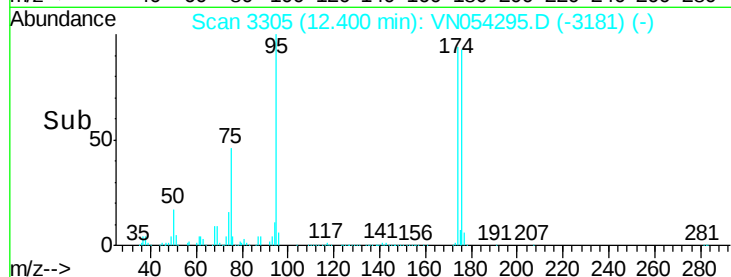
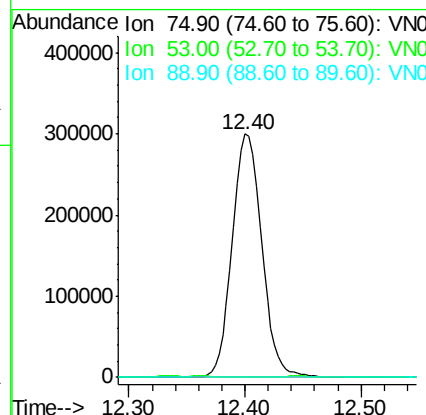
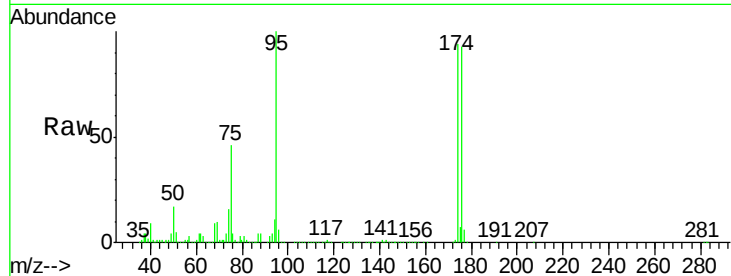




#81
trans-1,4-Dichloro-2-butene
Concen: 107.077 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

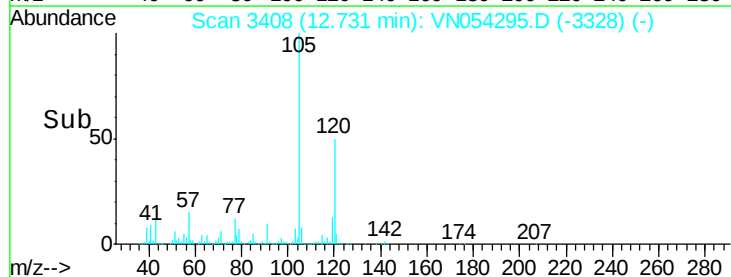
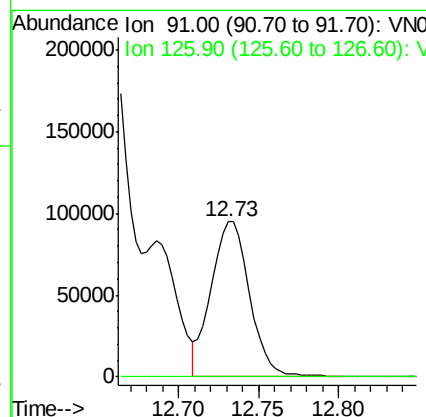
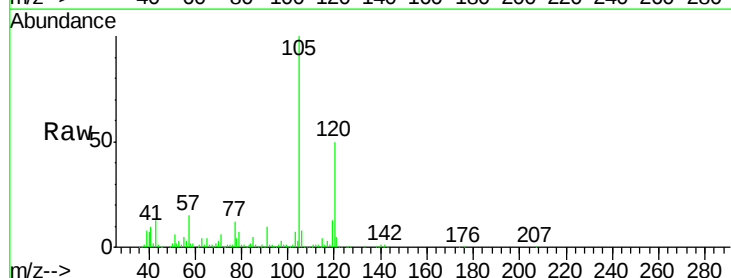
Instrument :
MSVOA_N
ClientSampled :
30302

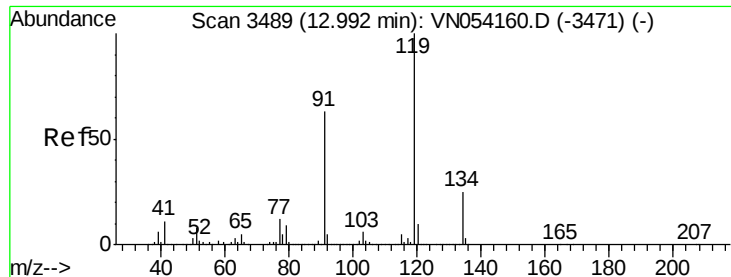
Tot Ion: 75 Resp: 528538
Ion Ratio Lower Upper
75 100
53 0.1 76.2 114.2#
89 0.0 39.2 58.8#



#82
4-Chlorotoluene
Concen: 2.632 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054295.D
Acq: 15 Mar 2019 7:18

Tgt Ion: 91 Resp: 157412
Ion Ratio Lower Upper
91 100
126 0.1 18.1 54.1#

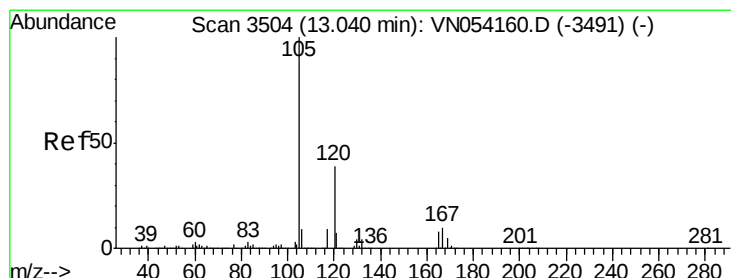
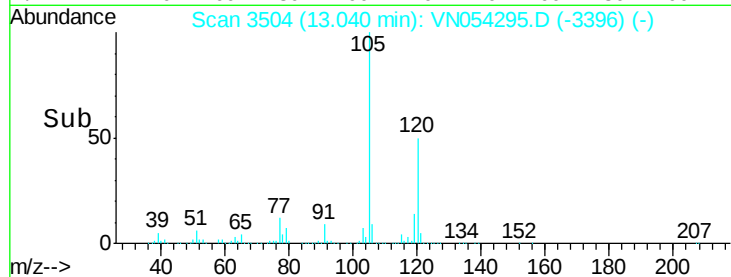
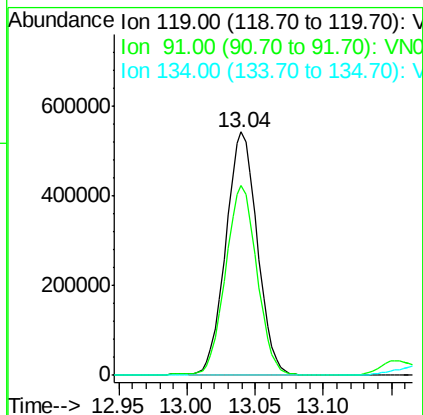
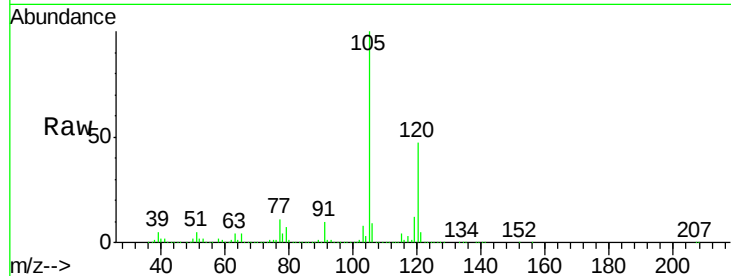




#83
 tert-Butylbenzene
 Concen: 12.373 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN054295.D
 Acq: 15 Mar 2019 7:18

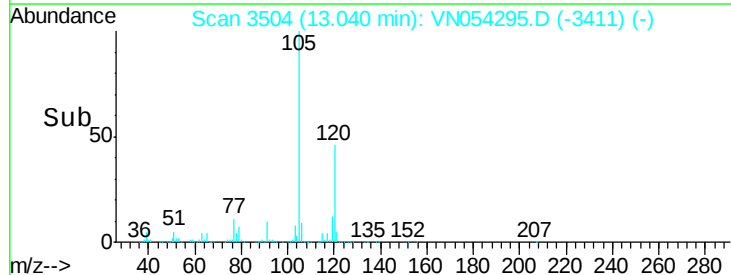
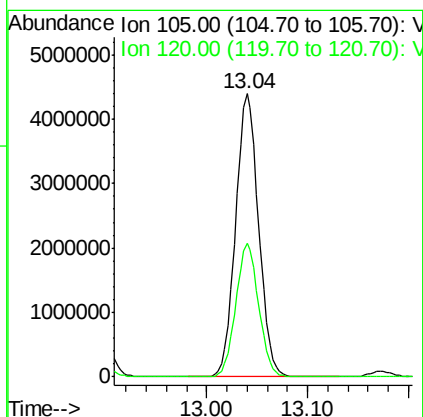
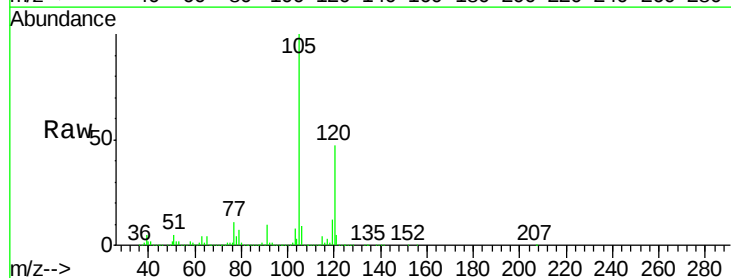
Instrument :
 MSVOA_N
 ClientSampled :
 30302

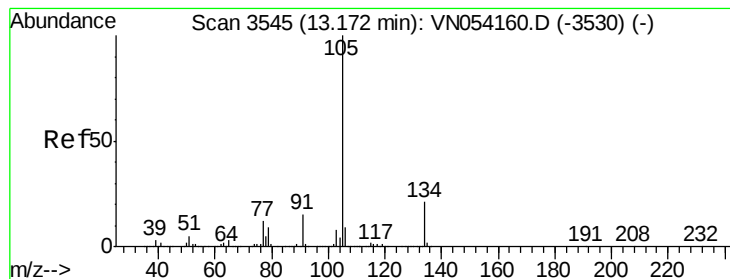
Tot Ion:119 Resp: 869666
 Ion Ratio Lower Upper
 119 100
 91 77.7 30.9 92.8
 134 0.0 13.2 39.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 92.802 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054295.D
 Acq: 15 Mar 2019 7:18

Tgt Ion:105 Resp: 6952115
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 76.271 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

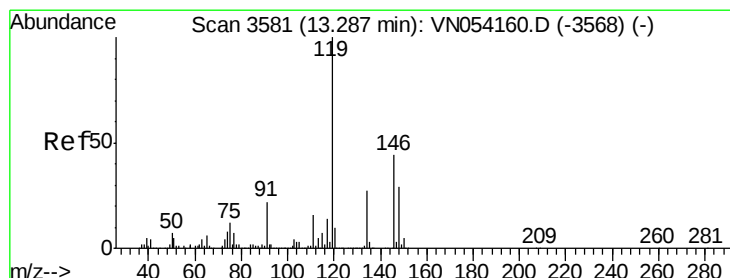
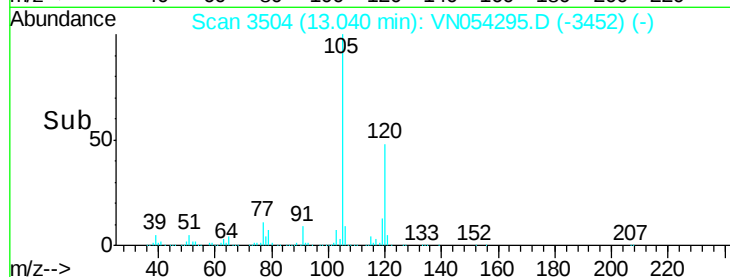
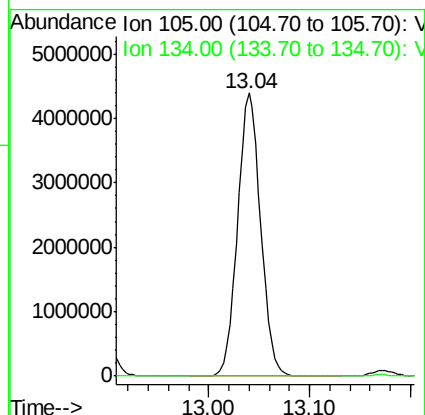
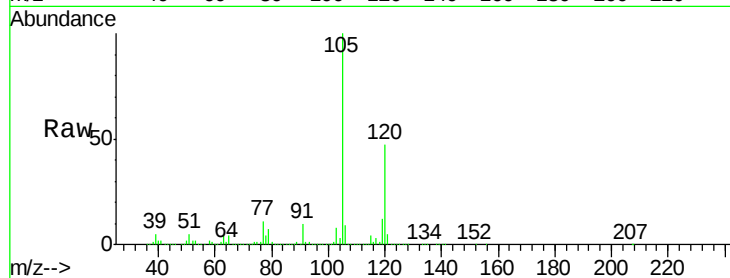
30302

Tot Ion:105 Resp: 6952115

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#



#86

p-Isopropyltoluene

Concen: 1.619 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

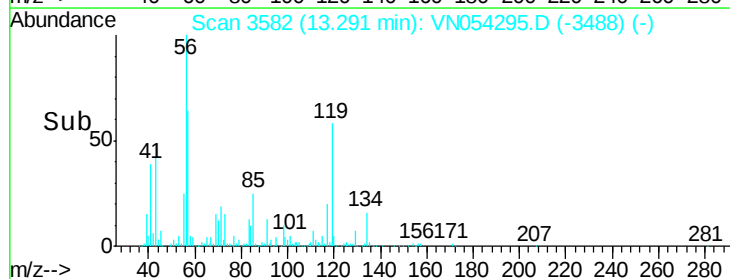
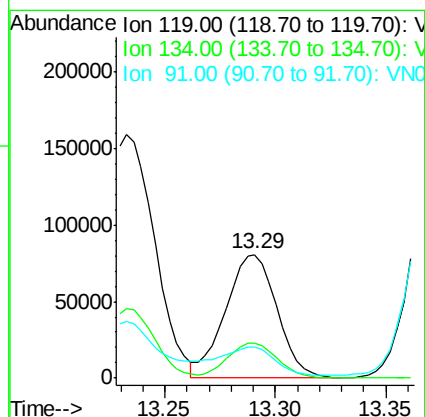
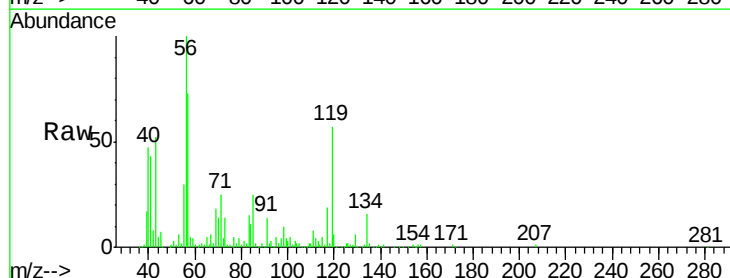
Tgt Ion:119 Resp: 129469

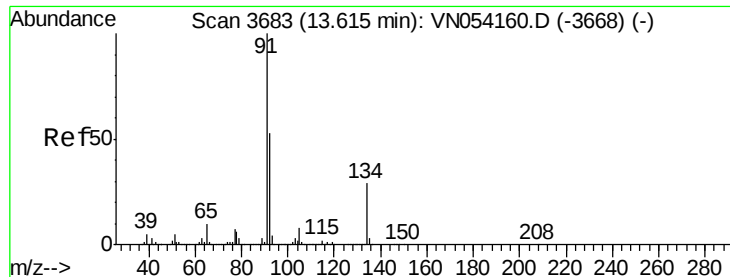
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 22.2 11.1 33.3





#89

n-Butylbenzene

Concen: 3.302 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampled :

30302

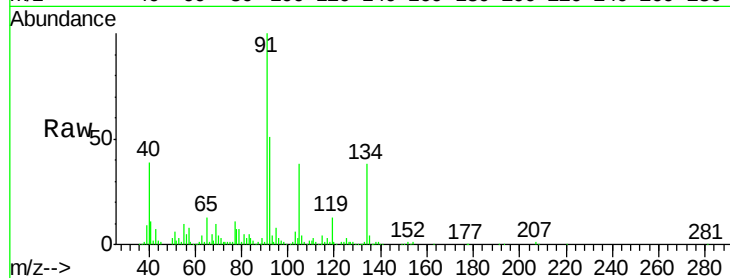
Tot Ion: 91 Resp: 200601

Ion Ratio Lower Upper

91 100

92 73.7 26.2 78.6

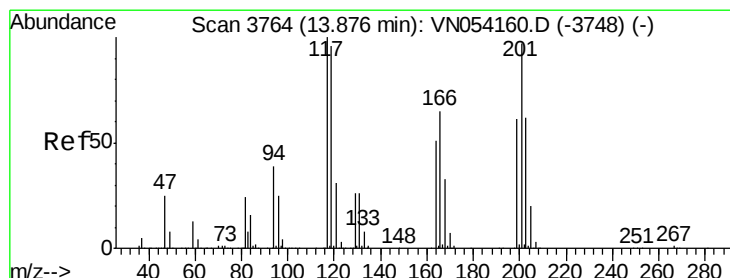
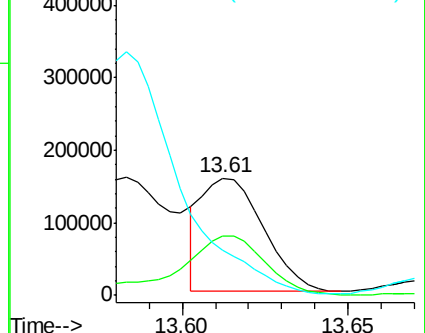
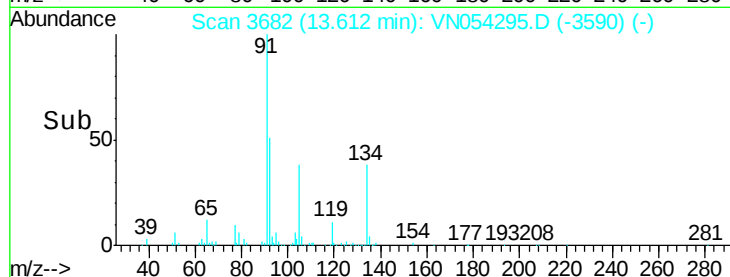
134 0.0 14.3 42.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 10.804 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054295.D

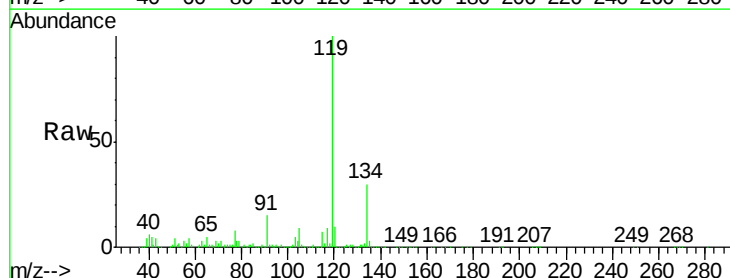
Acq: 15 Mar 2019 7:18

Tgt Ion: 117 Resp: 143059

Ion Ratio Lower Upper

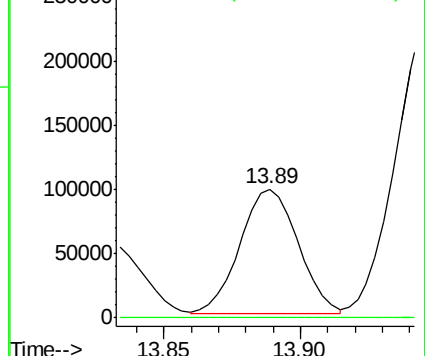
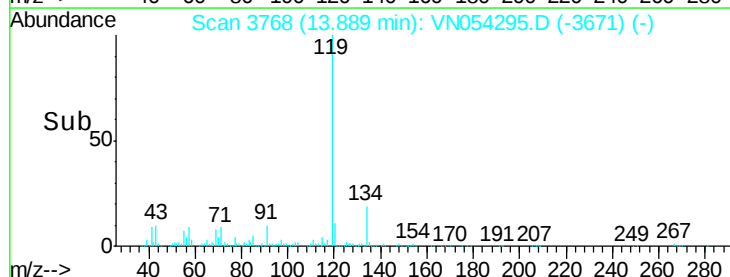
117 100

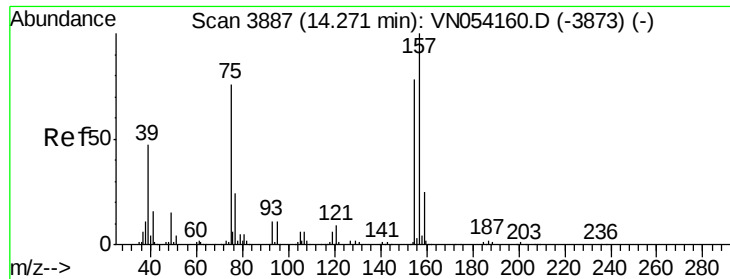
201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.995 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampleId :

30302

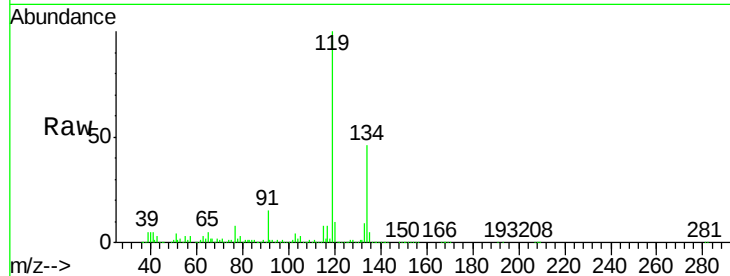
Tot Ion: 75 Resp: 12091

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

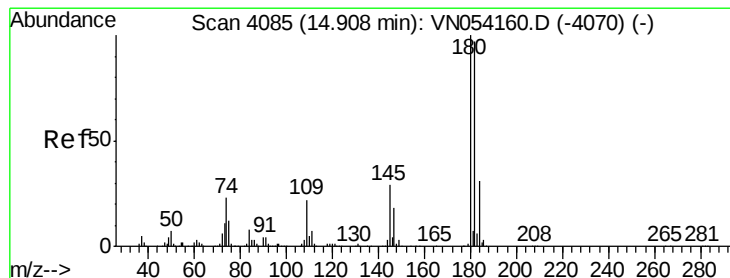
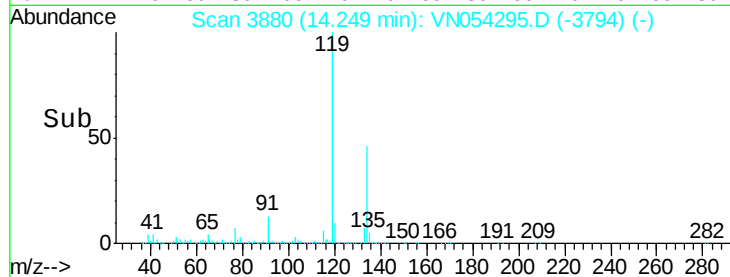
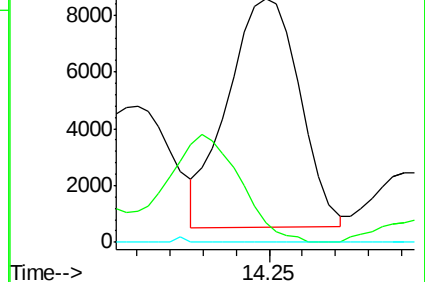
157 0.0 63.1 189.3#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN054160.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN054160.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.567 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

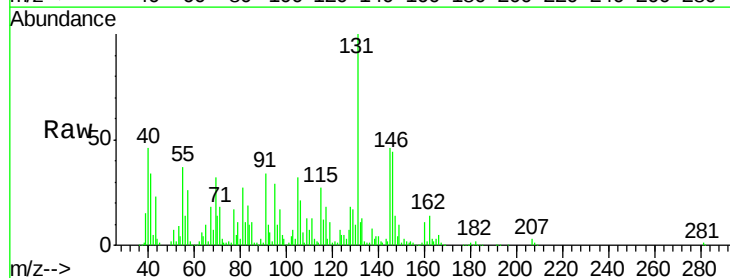
Tgt Ion: 180 Resp: 1284

Ion Ratio Lower Upper

180 100

182 244.2 48.0 144.2#

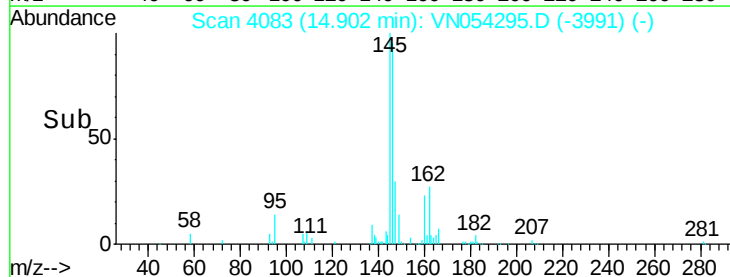
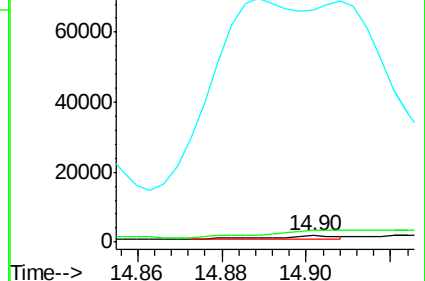
145 5984.1 14.2 42.8#

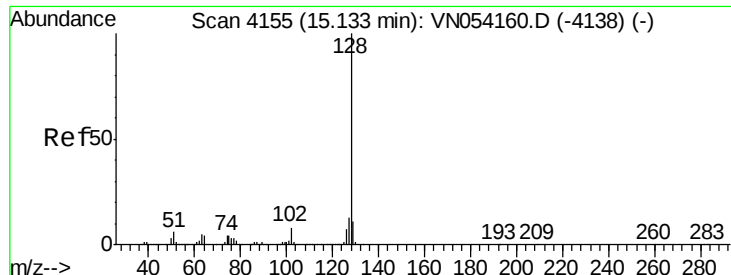


Abundance Ion 179.80 (179.50 to 180.50): VN054160.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN054160.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN054160.D (-4070) (-)





#95

Naphthalene

Concen: 45.700 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

Instrument :

MSVOA_N

ClientSampleId :

30302

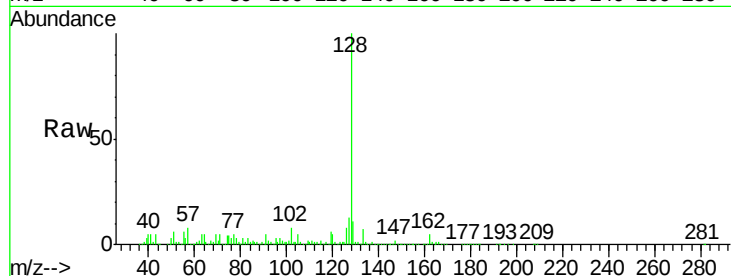
Tot Ion:128 Resp: 2283809

Ion Ratio Lower Upper

128 100

127 13.7 10.1 15.1

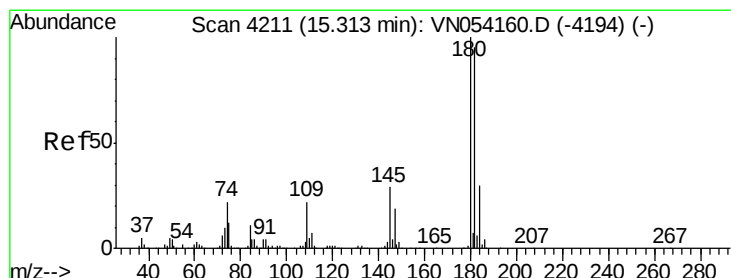
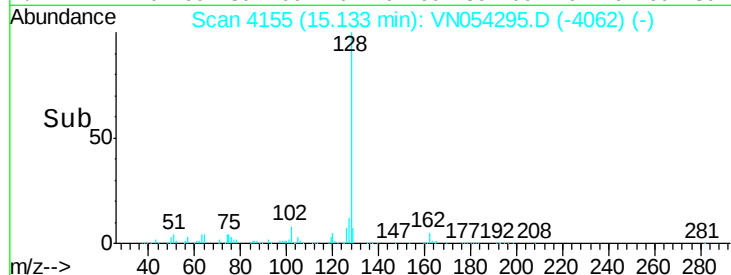
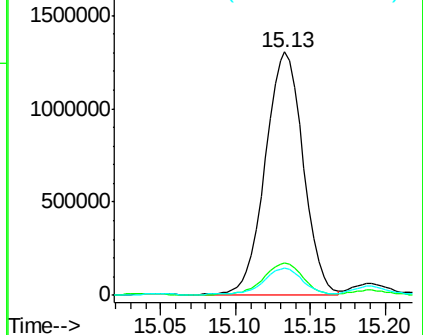
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.721 ug/l

RT: 15.33 min Scan# 4217

Delta R.T. 0.02 min

Lab File: VN054295.D

Acq: 15 Mar 2019 7:18

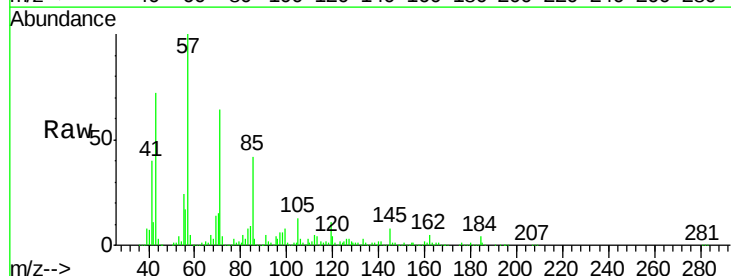
Tgt Ion:180 Resp: 15331

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.6#

145 1299.3 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

