

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042919\
 Data File : VN055295.D
 Acq On : 29 Apr 2019 15:54
 Operator : JC/SP
 Sample : K2583-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30026-30147-30148-30105

Quant Time: Apr 30 04:31:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	398103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	676767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	226488	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	260848	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.59	113	211982	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
50) Toluene-d8	10.09	98	812587	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	286914	57.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.46%	

Target Compounds					Qvalue
8) Diethyl Ether	3.42	74	834	0.344 ug/l #	1
11) Tert butyl alcohol	4.78	59	2935	9.843 ug/l #	82
13) Acrolein	3.62	56	21114	90.670 ug/l #	14
16) Acetone	3.82	43	514174	316.849 ug/l #	83
17) Carbon Disulfide	4.05	76	6221	0.606 ug/l	98
18) Methyl Acetate	4.33	43	41689	9.711 ug/l	97
20) Methylene Chloride	4.56	84	2492	0.503 ug/l #	80
22) Diisopropyl ether	6.04	45	147912	9.140 ug/l #	1
23) Vinyl Acetate	6.04	43	350611	33.057 ug/l #	77
25) 2-Butanone	6.84	43	37886	18.256 ug/l	99
29) Tetrahydrofuran	7.22	42	312	0.235 ug/l #	40
31) Cyclohexane	7.67	56	9706	1.185 ug/l #	8
36) 1,1-Dichloropropene	7.66	75	29592	4.565 ug/l #	51
37) Ethyl Acetate	6.84	43	37886	7.626 ug/l #	71
38) Carbon Tetrachloride	7.67	117	37233	5.954 ug/l #	16
40) Benzene	8.04	78	124888	6.535 ug/l	98
41) Methacrylonitrile	7.19	41	386	0.881 ug/l #	67
48) Methyl methacrylate	9.16	41	4436	1.130 ug/l #	46
49) 1,4-Dioxane	9.20	88	428	10.548 ug/l #	18
51) 4-Methyl-2-Pentanone	9.98	43	5088	1.132 ug/l	89
52) Toluene	10.16	92	101156	9.226 ug/l	100
53) t-1,3-Dichloropropene	10.35	75	68019	12.123 ug/l #	47
55) 1,1,2-Trichloroethane	10.50	97	9692	2.380 ug/l #	1
56) Ethyl methacrylate	10.50	69	23815	4.752 ug/l #	1
59) 2-Hexanone	10.50	43	2314399	822.869 ug/l	98
67) Ethyl Benzene	11.51	91	12908	0.623 ug/l #	86
68) m/p-Xylenes	11.62	106	23859	3.227 ug/l	99
69) o-Xylene	11.95	106	9938	1.356 ug/l	96
71) Bromoform	12.39	173	1042	0.418 ug/l #	1
73) Isopropylbenzene	12.25	105	3284	Below Cal #	66
74) N-amyl acetate	12.02	43	3858	0.664 ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.51	83	711	Below Cal #	56
76) 1,2,3-Trichloropropane	12.40	75	147266	34.185 ug/l #	100
77) Bromobenzene	12.52	156	426	Below Cal	49

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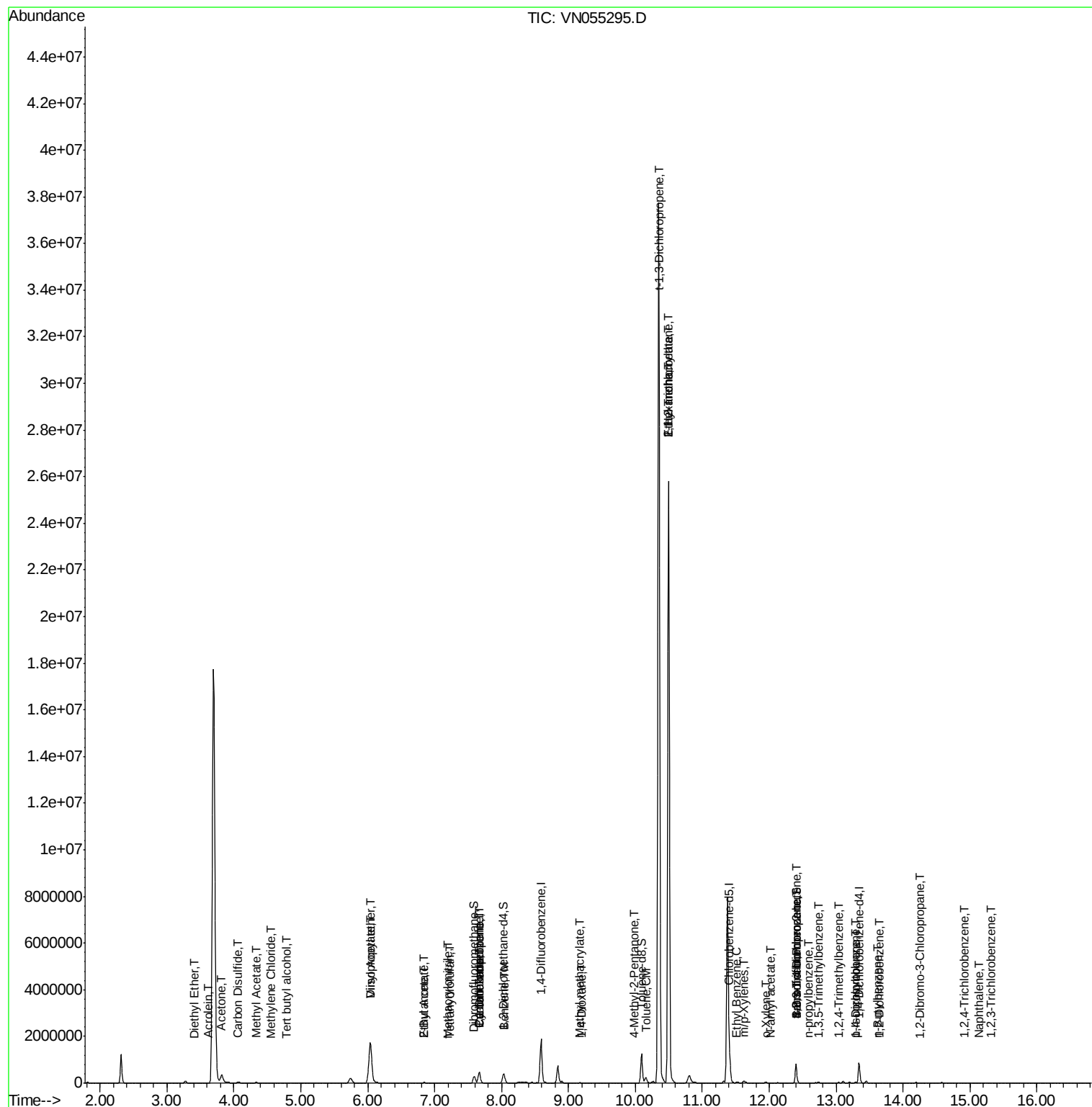
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
78) n-propylbenzene	12.59	91	5256	0.226 ug/l	97
79) 2-Chlorotoluene	12.67	91	2594	Below Cal	73
80) 1,3,5-Trimethylbenzene	12.73	105	7881	0.444 ug/l	91
81) trans-1,4-Dichloro-2-buten	12.40	75	147266	123.220 ug/l #	7
83) tert-Butylbenzene	12.99	119	1834	Below Cal #	78
84) 1,2,4-Trimethylbenzene	13.04	105	15357	0.967 ug/l	98
86) p-Isopropyltoluene	13.29	119	3254	0.205 ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	1503	0.211 ug/l	86
89) n-Butylbenzene	13.61	91	4649	0.412 ug/l	91
90) Hexachloroethane	13.89	117	340	Below Cal #	7
91) 1,2-Dichlorobenzene	13.65	146	1566	0.208 ug/l #	85
92) 1,2-Dibromo-3-Chloropropan	14.27	75	162	0.272 ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	2114	3.977 ug/l	76
94) Hexachlorobutadiene	15.01	225	1799	Below Cal	94
95) Naphthalene	15.13	128	10183	4.838 ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	2724	3.498 ug/l	88

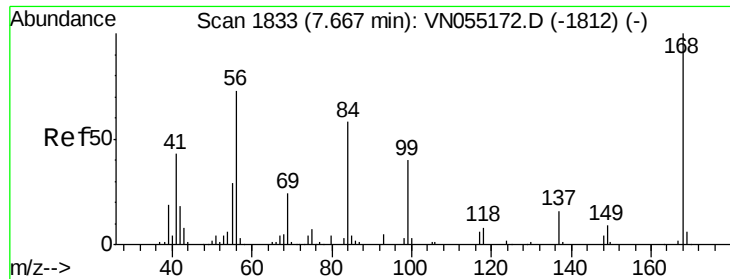
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

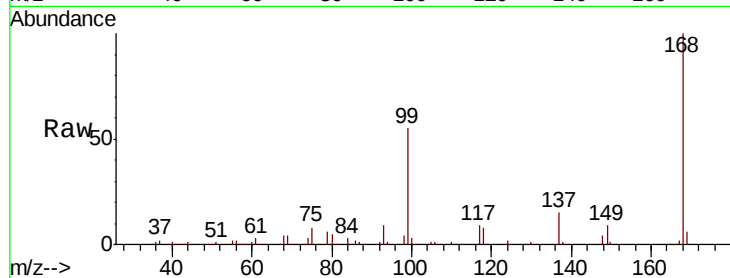
30026-30147-30148-30105

Tgt Ion: 168 Resp: 398103

Ion Ratio Lower Upper

168 100

99 55.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055172.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055172.D (-1812) (-)

7.67

150000

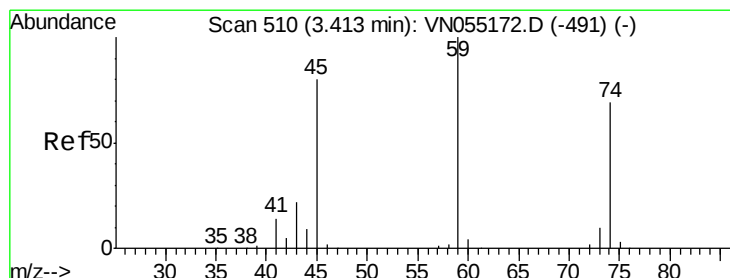
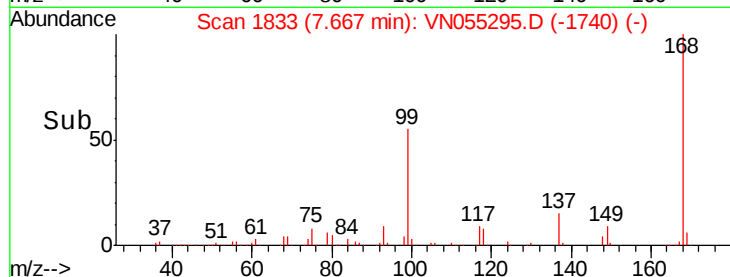
100000

50000

0

7.60 7.70 7.80

Time-->



#8

Diethyl Ether

Concen: 0.344 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN055295.D

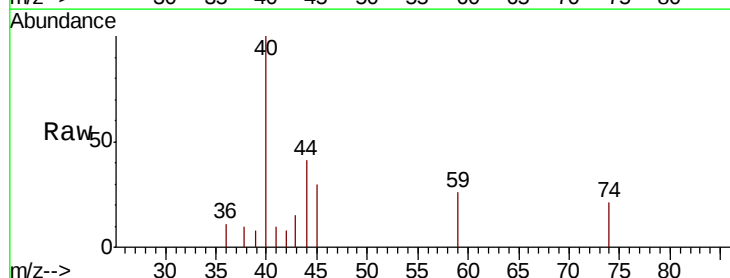
Acq: 29 Apr 2019 15:54

Tgt Ion: 74 Resp: 834

Ion Ratio Lower Upper

74 100

45 0.0 58.9 176.6#



Abundance Ion 74.00 (73.70 to 74.70): VN055172.D (-491) (-)

Ion 45.00 (44.70 to 45.70): VN055172.D (-491) (-)

3.42

1200

1000

800

600

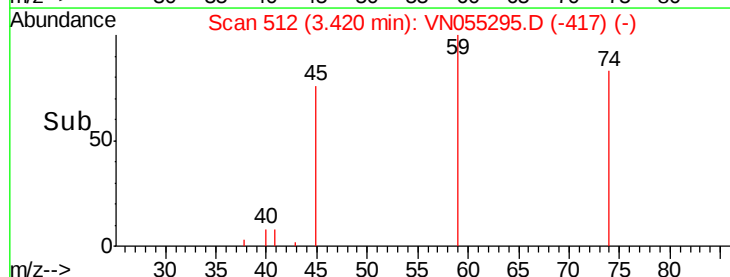
400

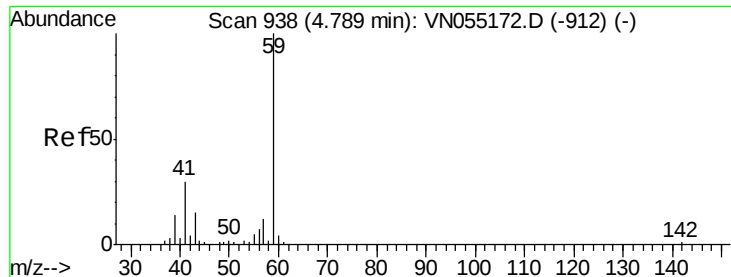
200

0

3.40 3.45

Time-->

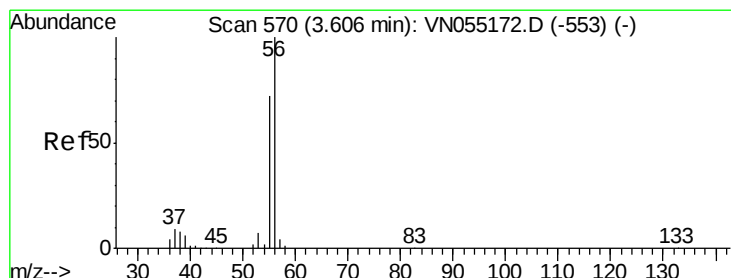
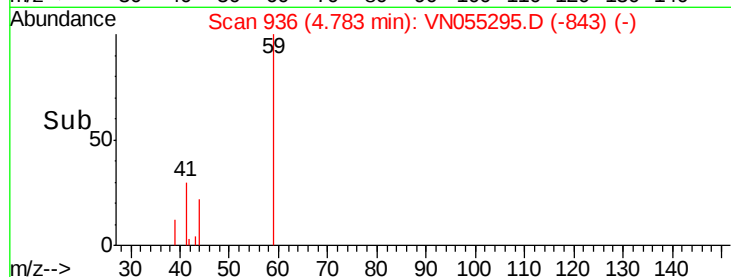
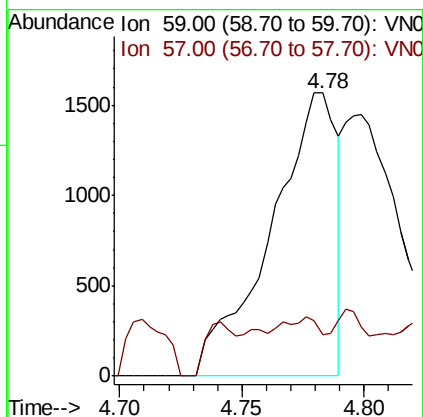
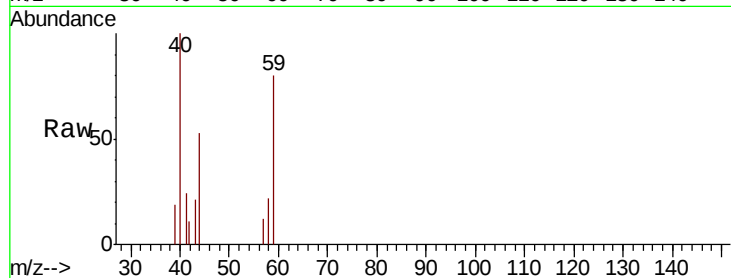




#11
Tert butyl alcohol
Concen: 9.843 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

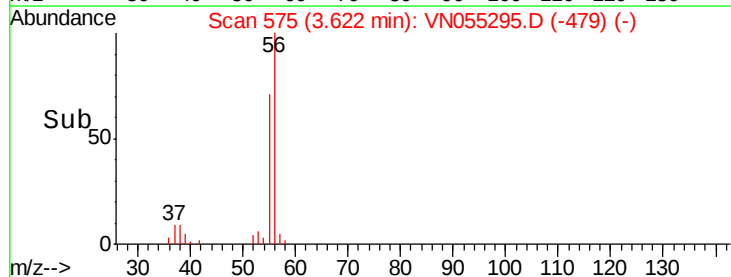
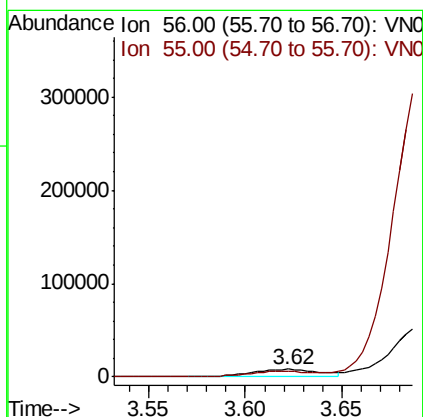
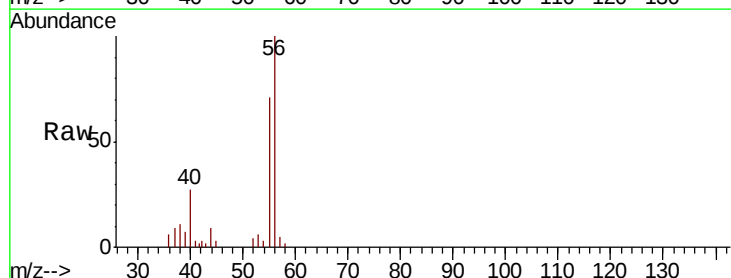
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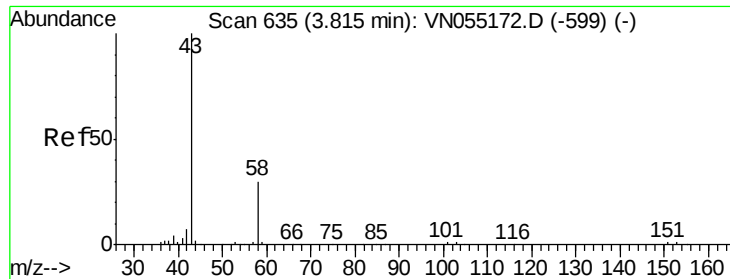
Tgt Ion: 59 Resp: 2935
Ion Ratio Lower Upper
59 100
57 3.6 8.2 12.2#



#13
Acrolein
Concen: 90.670 ug/l
RT: 3.62 min Scan# 575
Delta R.T. 0.01 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

Tgt Ion: 56 Resp: 21114
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.2#





#16

Acetone

Concen: 316.849 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

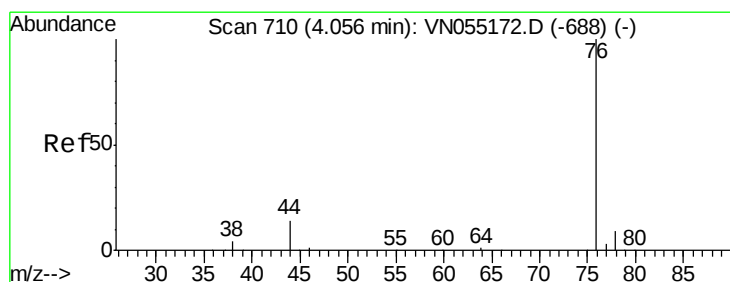
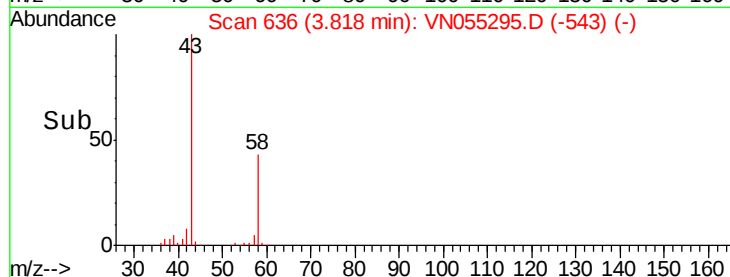
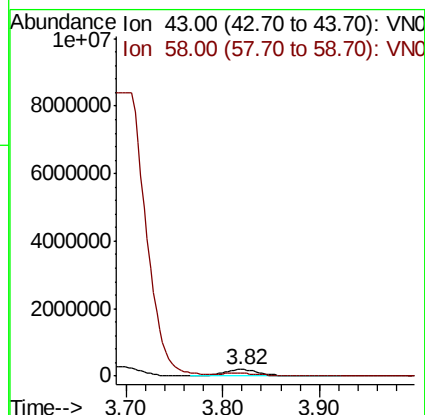
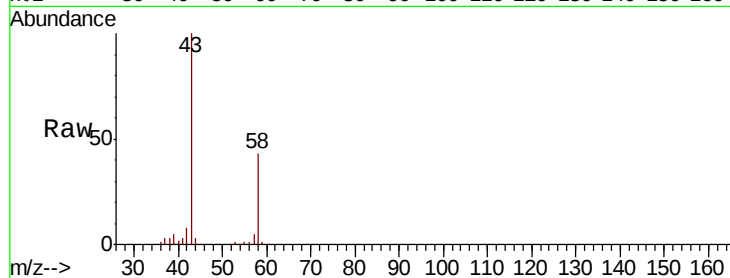
30026-30147-30148-30105

Tgt Ion: 43 Resp: 514174

Ion Ratio Lower Upper

43 100

58 38.5 23.6 35.4#



#17

Carbon Disulfide

Concen: 0.606 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055295.D

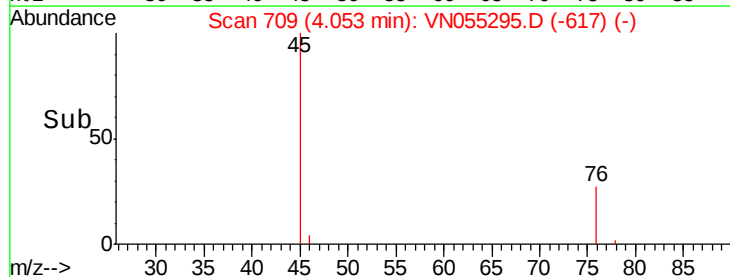
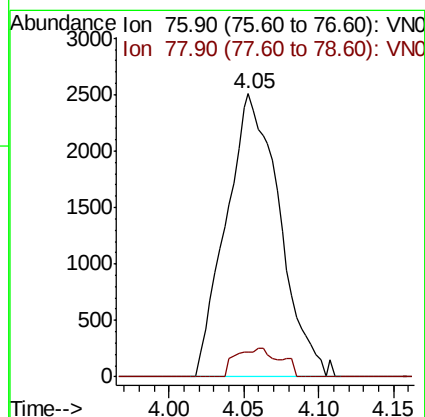
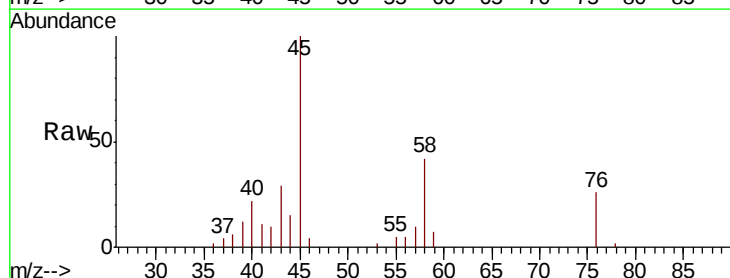
Acq: 29 Apr 2019 15:54

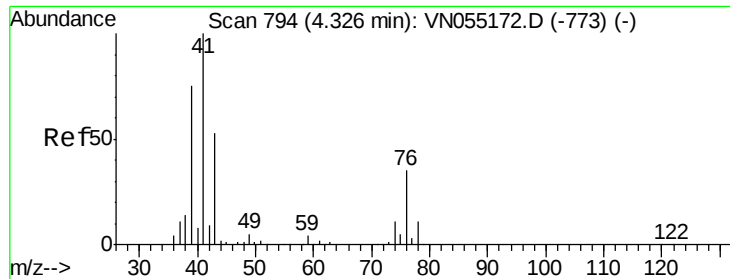
Tgt Ion: 76 Resp: 6221

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4





#18

Methyl Acetate

Concen: 9.711 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

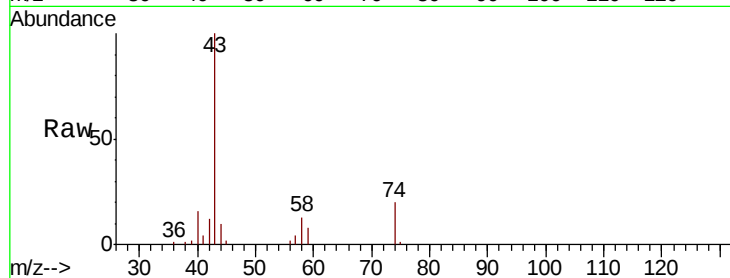
30026-30147-30148-30105

Tgt Ion: 43 Resp: 41689

Ion Ratio Lower Upper

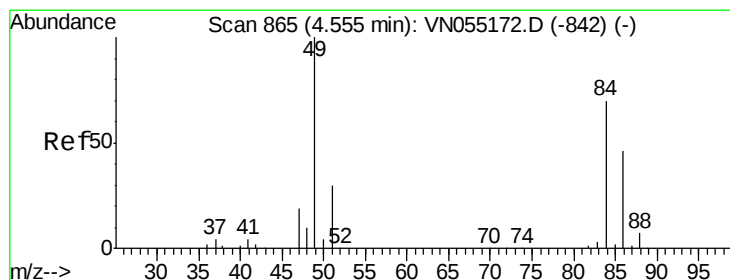
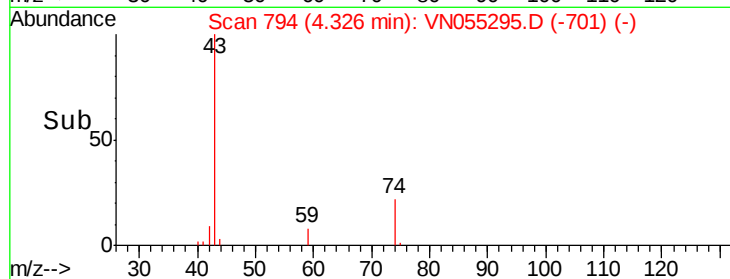
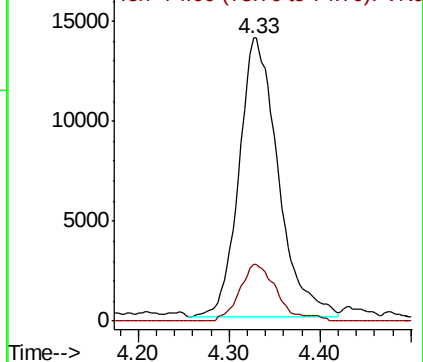
43 100

74 18.7 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 0.503 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Tgt Ion: 84 Resp: 2492

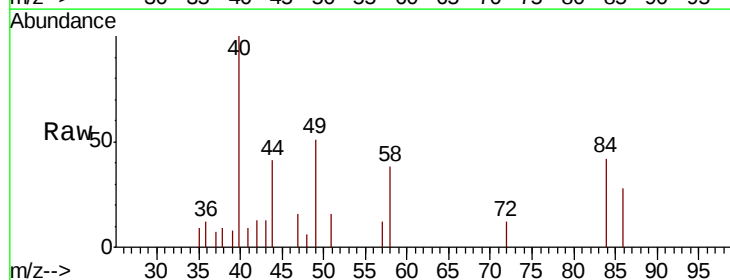
Ion Ratio Lower Upper

84 100

49 101.8 112.4 168.6#

51 38.0 34.6 51.8

86 65.5 51.9 77.9

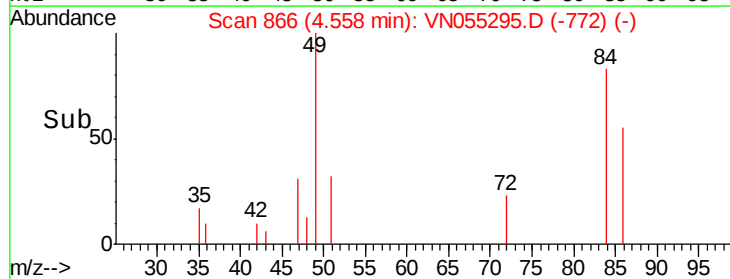
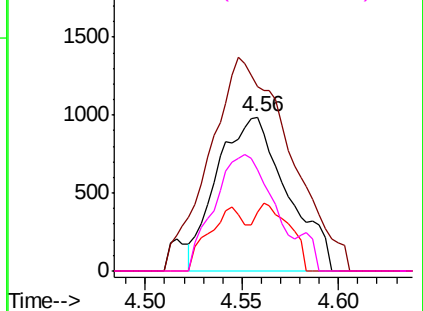


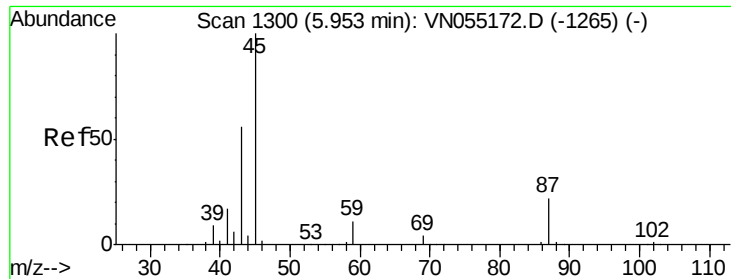
Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 9.140 ug/l

RT: 6.04 min Scan# 1327

Delta R.T. 0.09 min

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30026-30147-30148-30105

Tgt Ion: 45 Resp: 147912

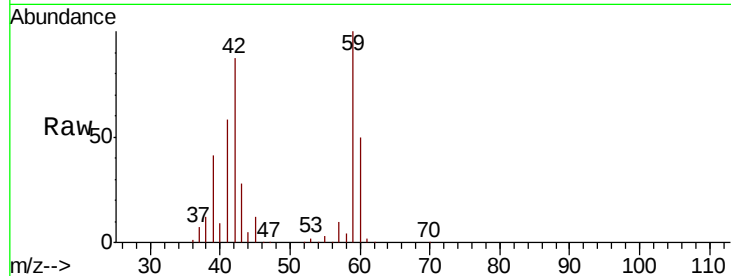
Ion Ratio Lower Upper

45 100

43 242.1 46.6 70.0#

87 0.0 18.1 27.1#

59 856.9 8.2 12.2#

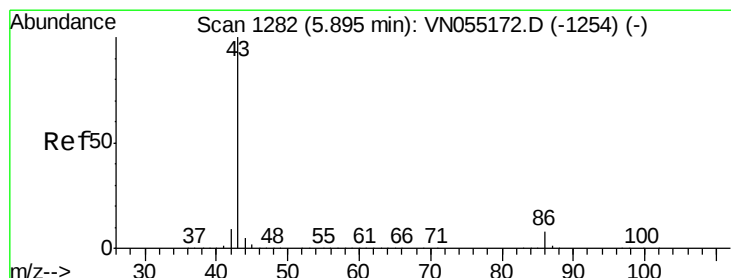
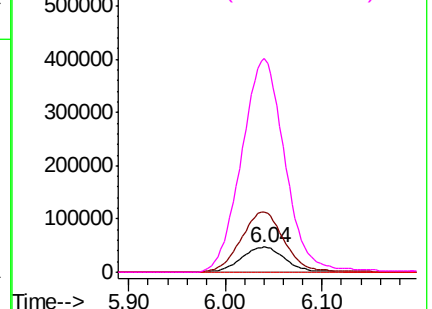
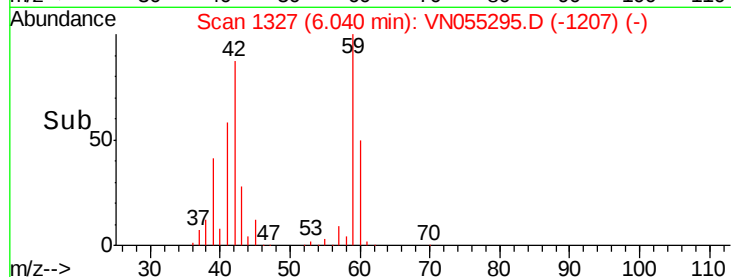


Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 33.057 ug/l

RT: 6.04 min Scan# 1327

Delta R.T. 0.14 min

Lab File: VN055295.D

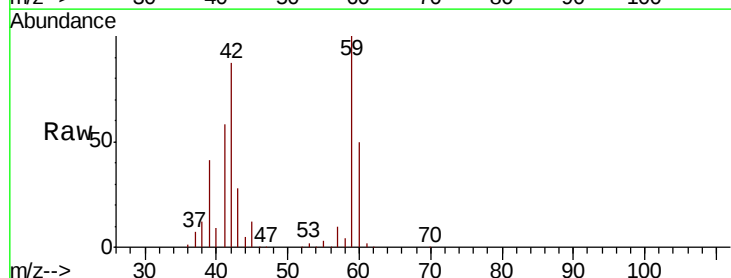
Acq: 29 Apr 2019 15:54

Tgt Ion: 43 Resp: 350611

Ion Ratio Lower Upper

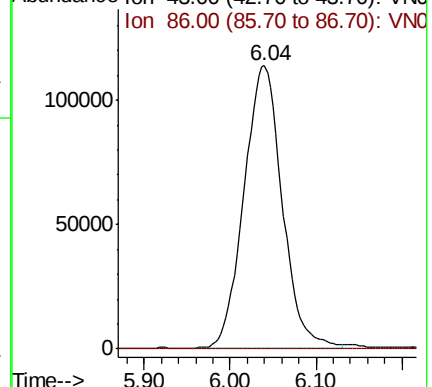
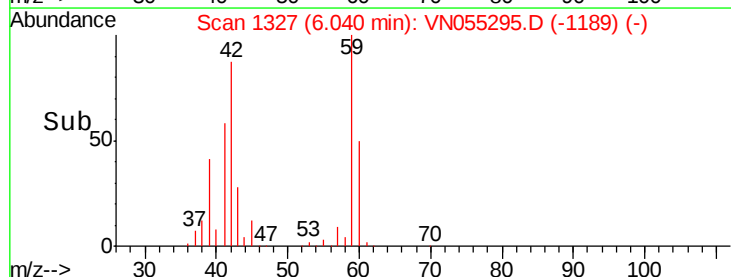
43 100

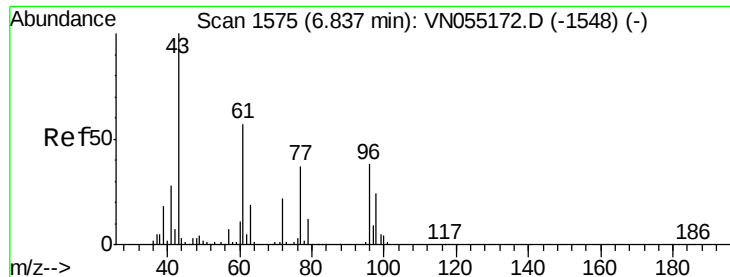
86 0.0 6.6 10.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#25

2-Butanone

Concen: 18.256 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

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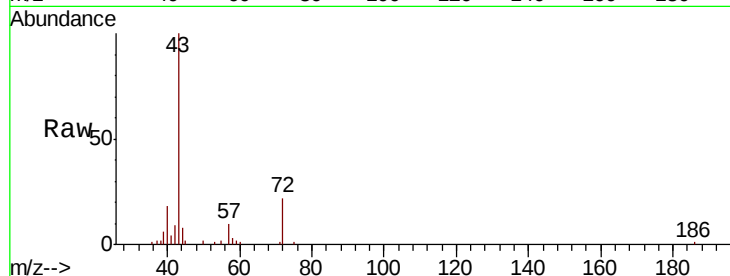
30026-30147-30148-30105

Tgt Ion: 43 Resp: 37886

Ion Ratio Lower Upper

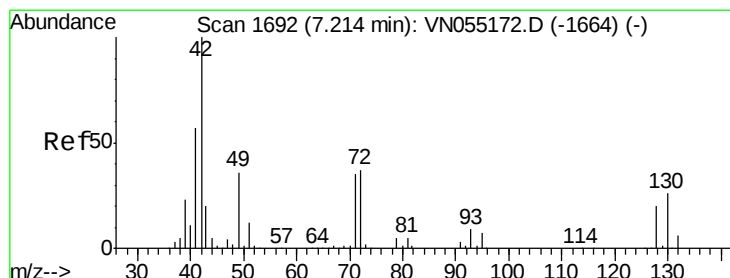
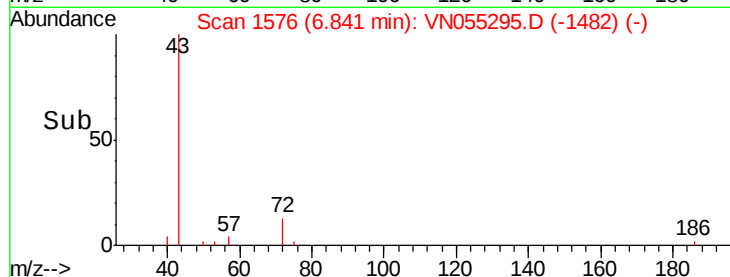
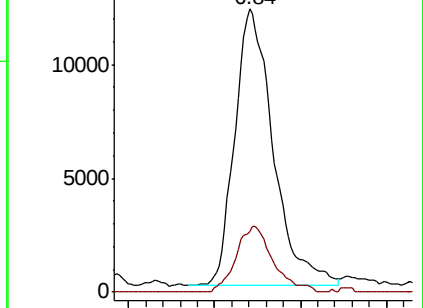
43 100

72 22.0 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.235 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

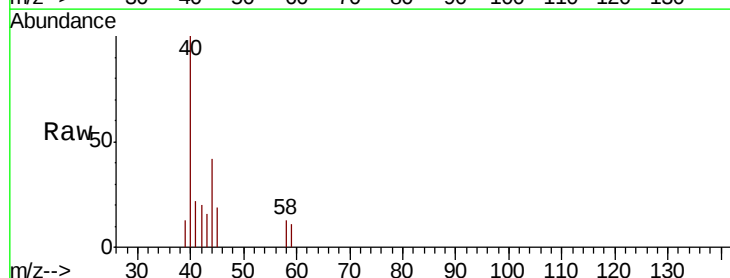
Tgt Ion: 42 Resp: 312

Ion Ratio Lower Upper

42 100

72 0.0 29.0 43.6#

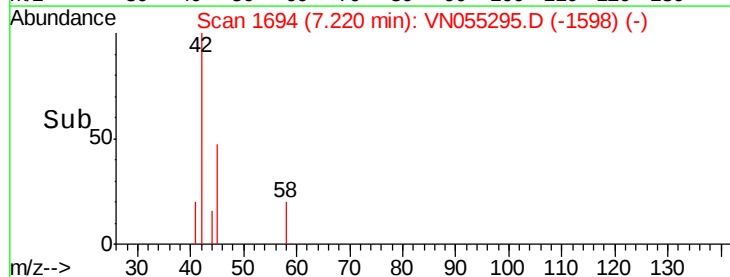
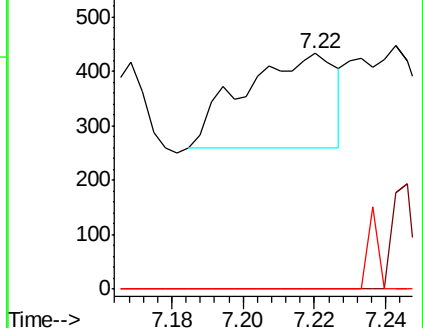
71 0.0 27.1 40.7#

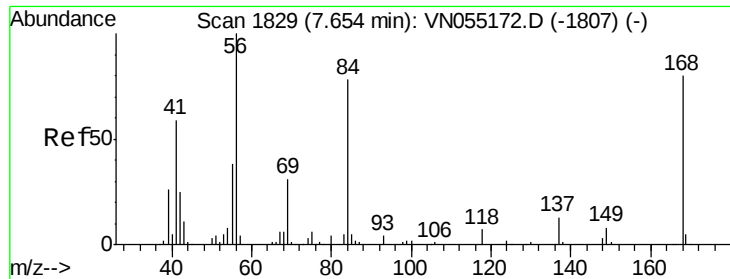


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

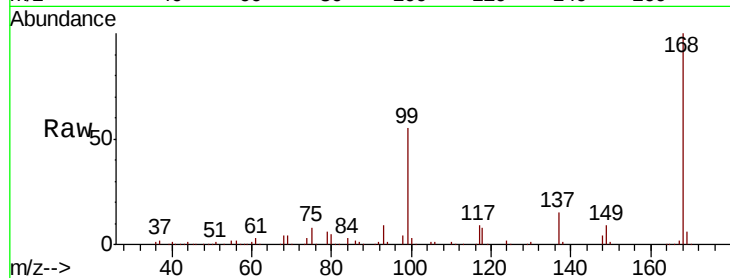




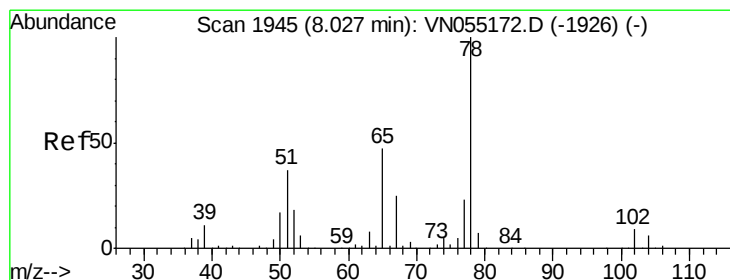
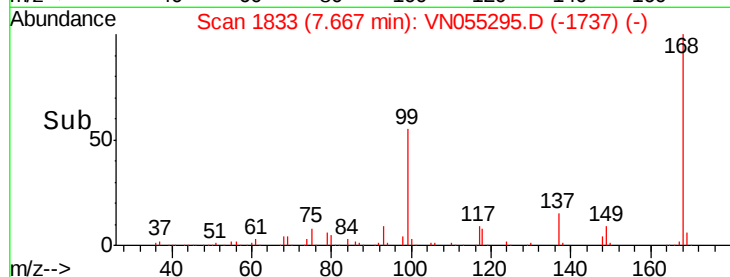
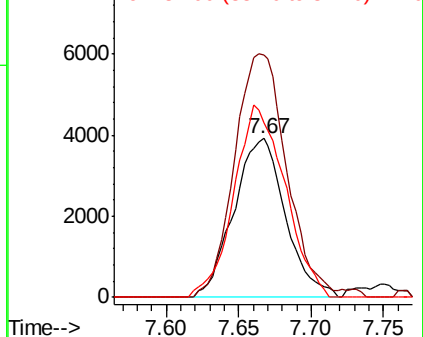
#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
30026-30147-30148-30105

Tgt Ion: 56 Resp: 9706
Ion Ratio Lower Upper
56 100
69 152.7 25.2 37.8#
84 110.1 61.1 91.7#

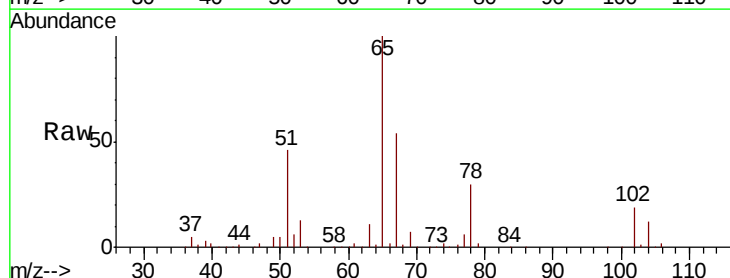


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

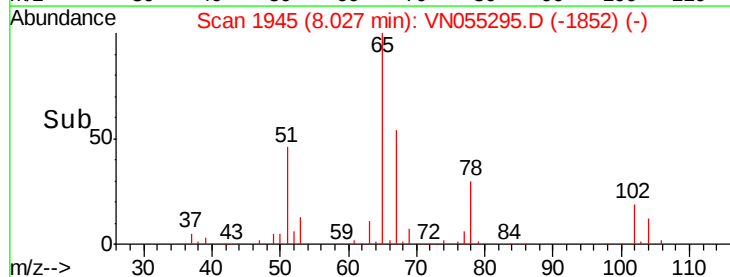
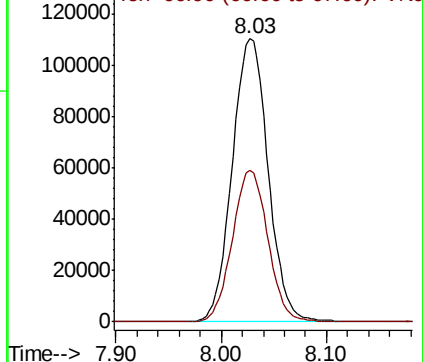


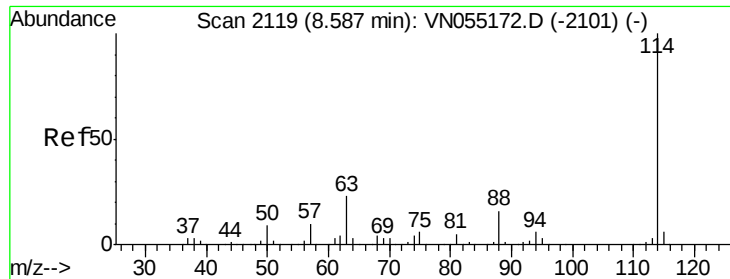
#33
1,2-Dichloroethane-d4
Concen: 50.085 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

Tgt Ion: 65 Resp: 260848
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8



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

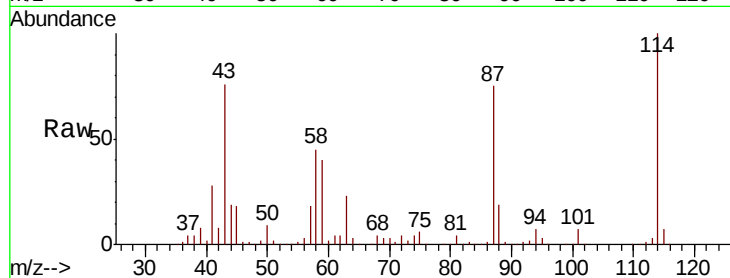




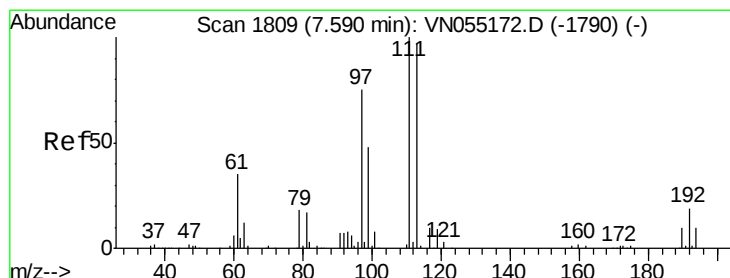
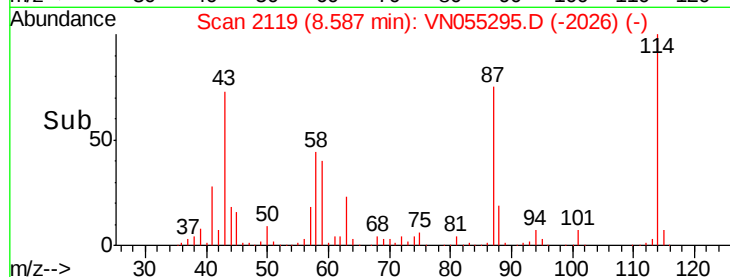
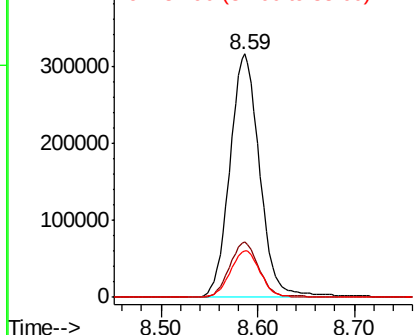
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 30026-30147-30148-30105

Tgt Ion:114 Resp: 676767
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.2
 88 19.2 0.0 31.6

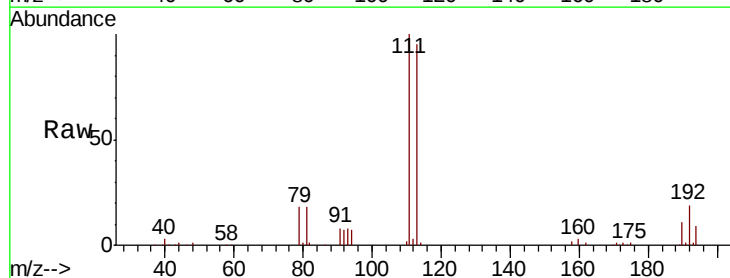


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

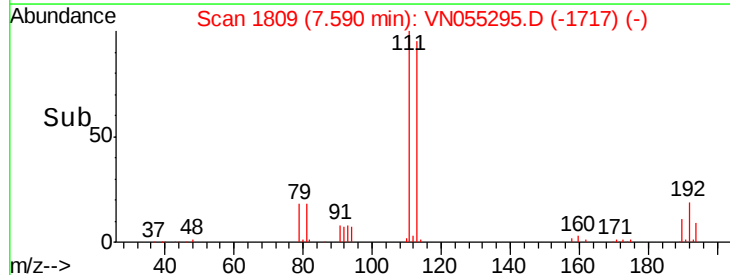
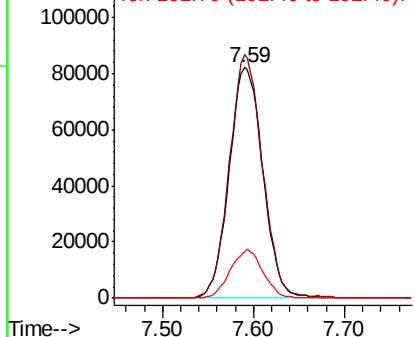


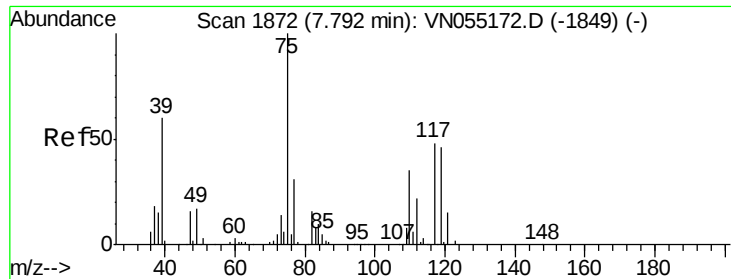
#35
 Dibromofluoromethane
 Concen: 47.721 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

Tgt Ion:113 Resp: 211982
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.3 123.5
 192 20.4 17.0 25.6



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

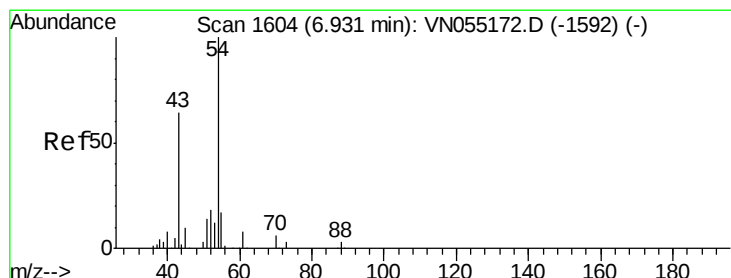
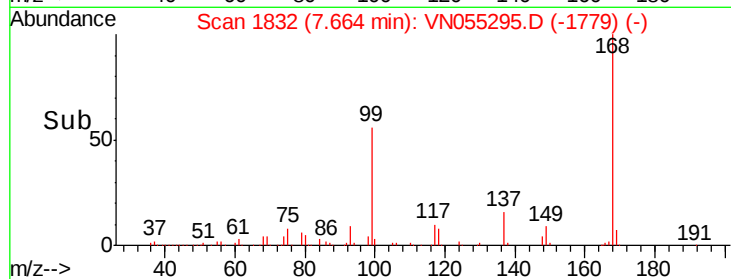
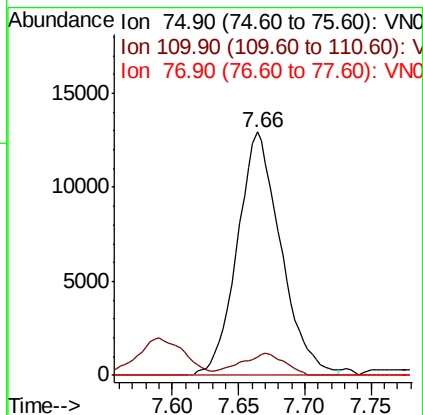
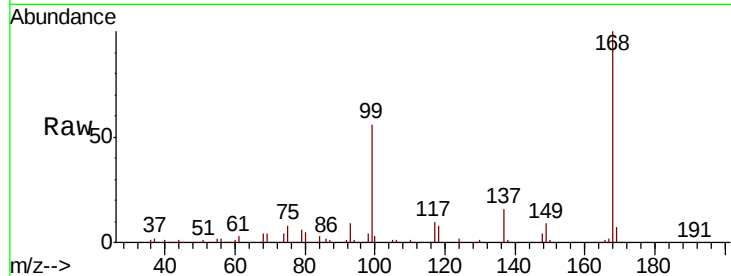




#36
 1,1-Dichloropropene
 Concen: 4.565 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

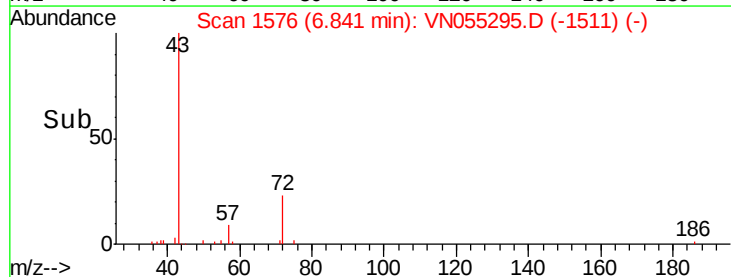
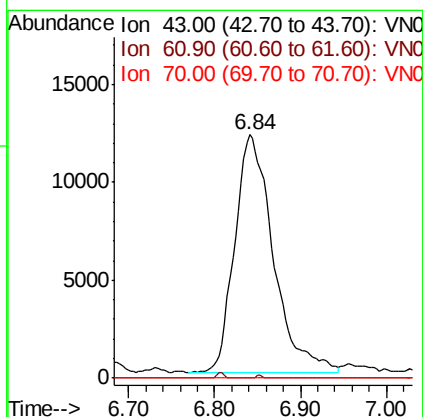
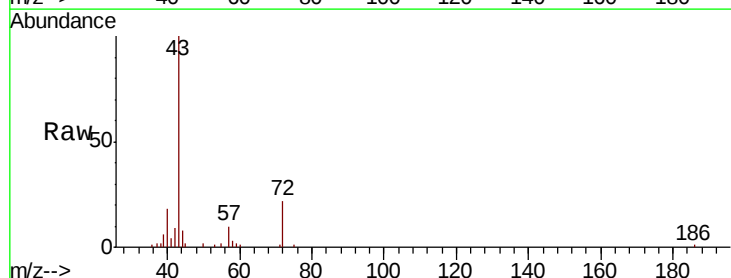
Instrument :
 MSVOA_N
 ClientSampleId :
 30026-30147-30148-30105

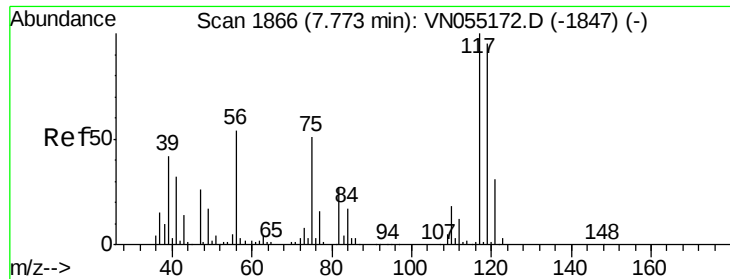
Tgt Ion: 75 Resp: 29592
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.8 50.4#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 7.626 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.09 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

Tgt Ion: 43 Resp: 37886
 Ion Ratio Lower Upper
 43 100
 61 0.2 10.4 15.6#
 70 0.0 6.6 10.0#

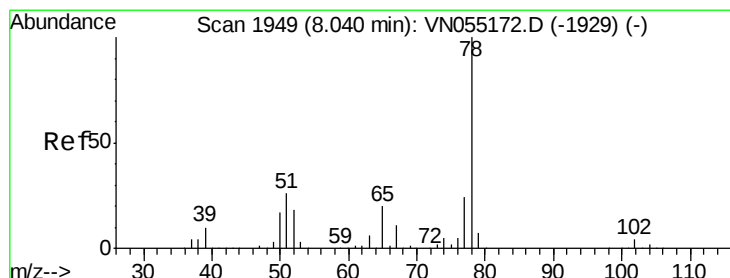
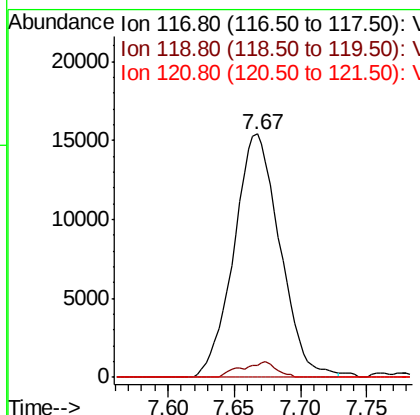
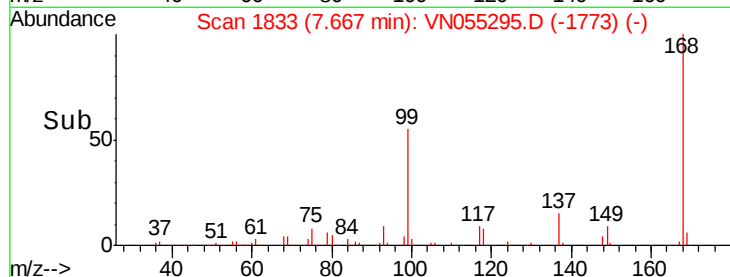
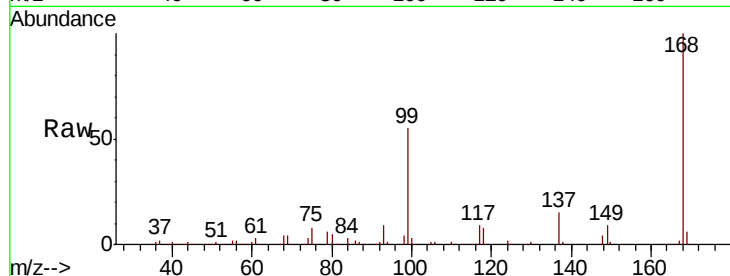




#38
Carbon Tetrachloride
Concen: 5.954 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

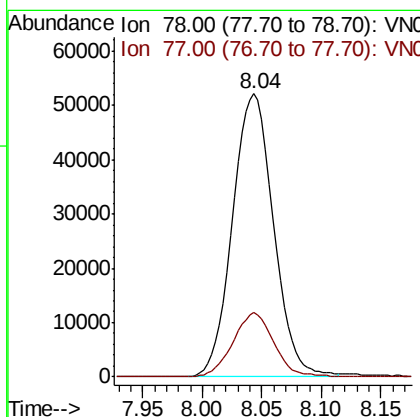
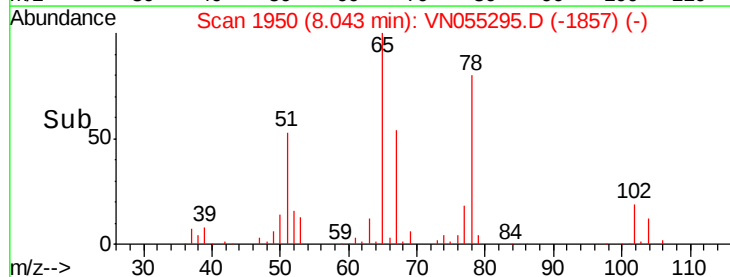
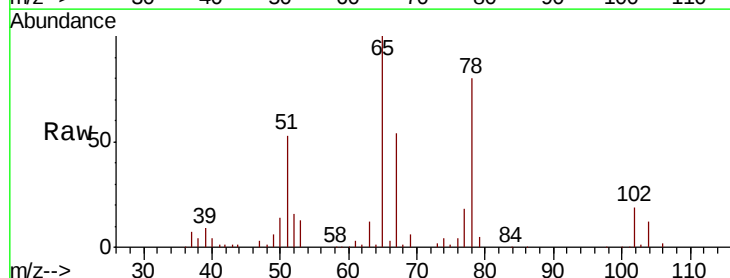
Instrument :
MSVOA_N
ClientSampleId :
30026-30147-30148-30105

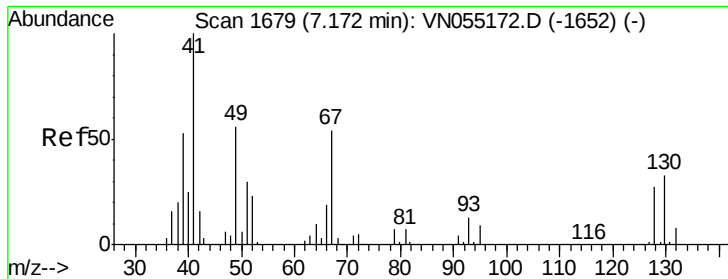
Tgt Ion: 117 Resp: 37233
Ion Ratio Lower Upper
117 100
119 5.1 77.0 115.6#
121 0.0 23.8 35.8#



#40
Benzene
Concen: 6.535 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

Tgt Ion: 78 Resp: 124888
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6





#41

Methacrylonitrile

Concen: 0.881 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.02 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

Tgt Ion: 41 Resp: 386

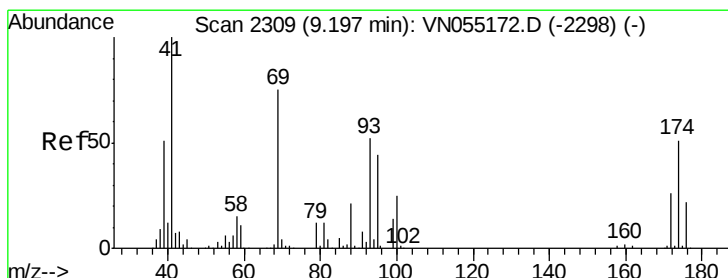
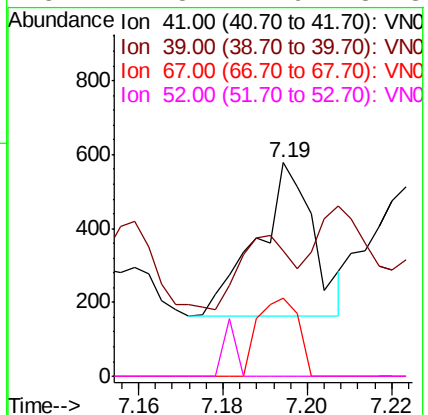
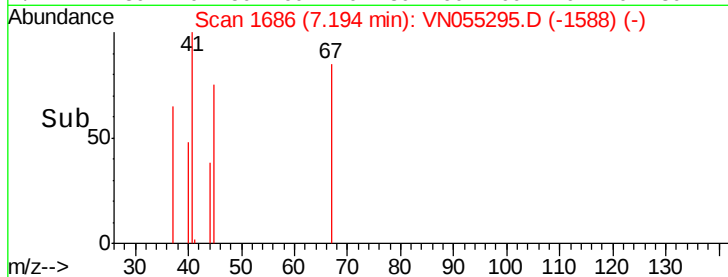
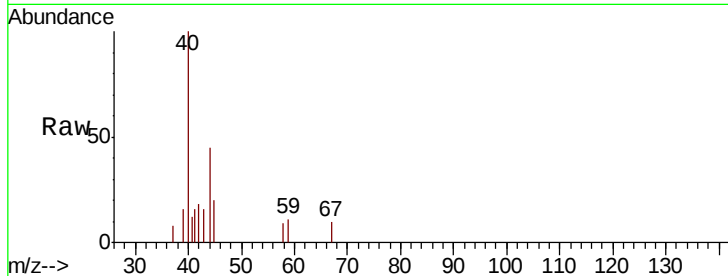
Ion Ratio Lower Upper

41 100

39 43.8 48.5 72.7#

67 36.5 54.9 82.3#

52 7.8 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.130 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.04 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

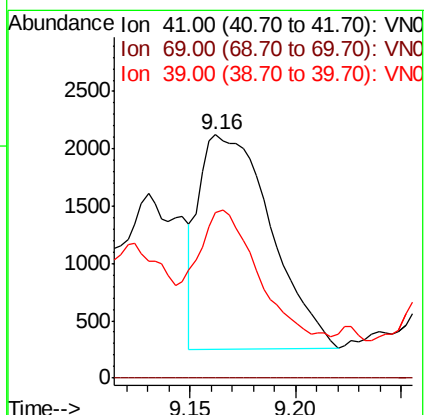
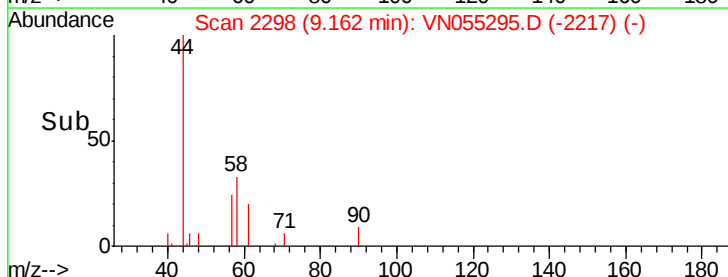
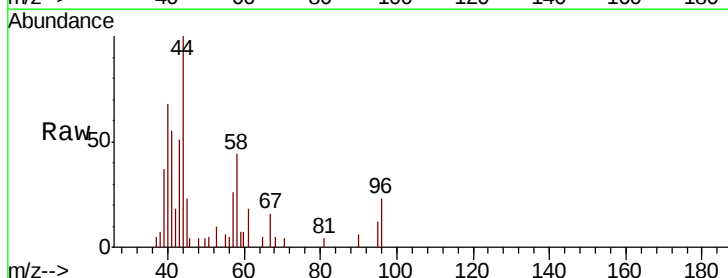
Tgt Ion: 41 Resp: 4436

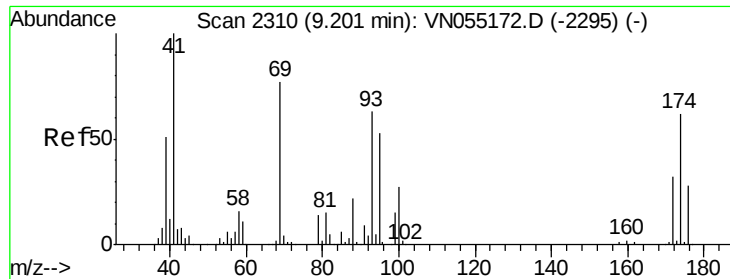
Ion Ratio Lower Upper

41 100

69 0.0 58.6 87.8#

39 47.4 43.8 65.6





#49

1,4-Dioxane

Concen: 10.548 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

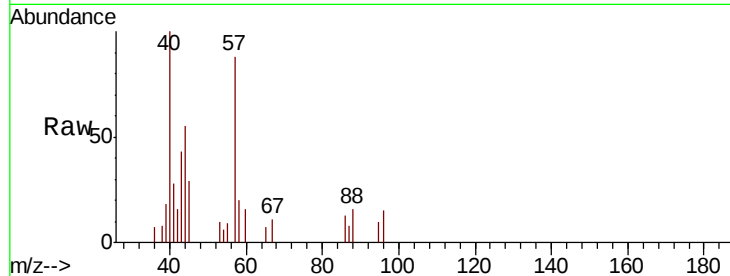
Tgt Ion: 88 Resp: 428

Ion Ratio Lower Upper

88 100

43 0.0 33.3 49.9#

58 0.0 62.7 94.1#

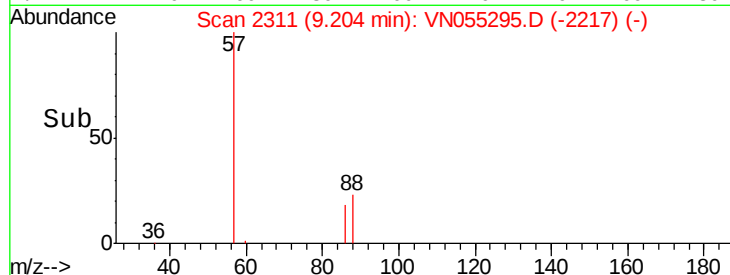


Abundance Ion 88.00 (87.70 to 88.70): VN055295.D (-2217) (-)

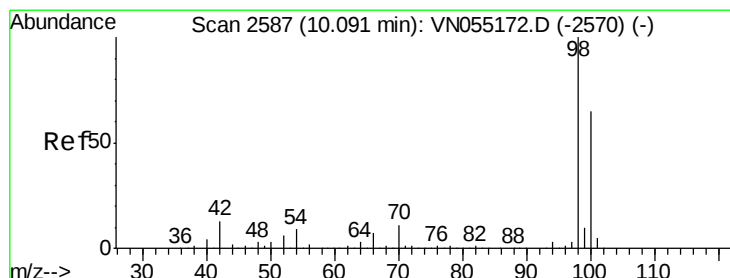
Ion 43.00 (42.70 to 43.70): VN055295.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055295.D (-2217) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 50.661 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055295.D

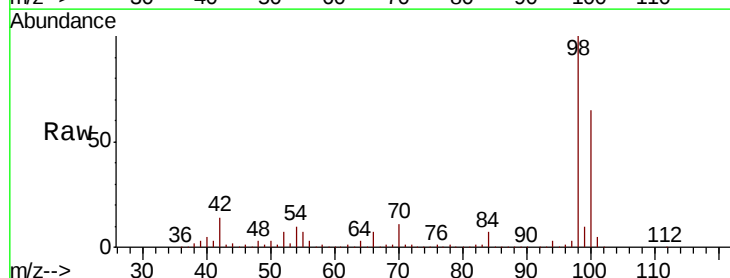
Acq: 29 Apr 2019 15:54

Tgt Ion: 98 Resp: 812587

Ion Ratio Lower Upper

98 100

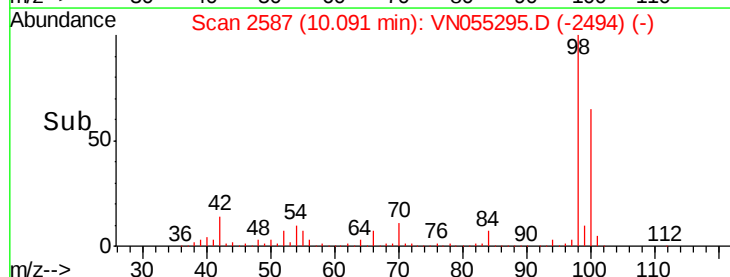
100 64.4 51.7 77.5



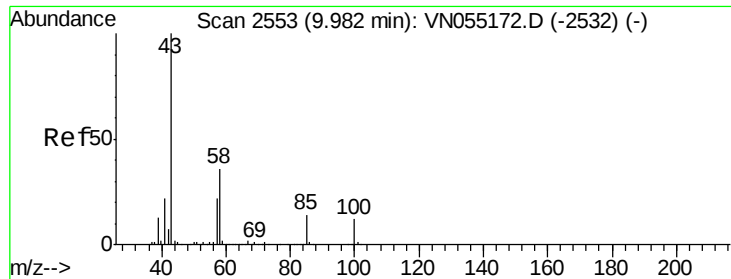
Abundance Ion 98.00 (97.70 to 98.70): VN055295.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055295.D (-2494) (-)

Time-->



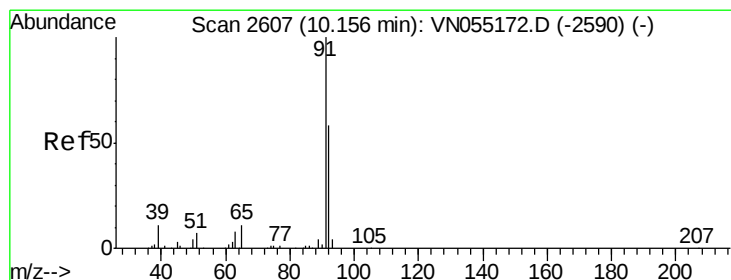
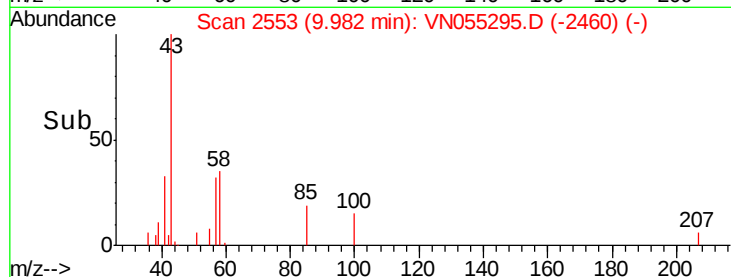
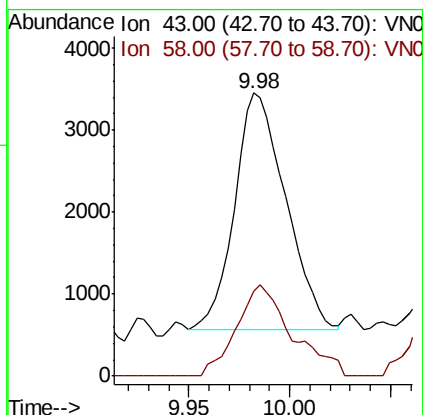
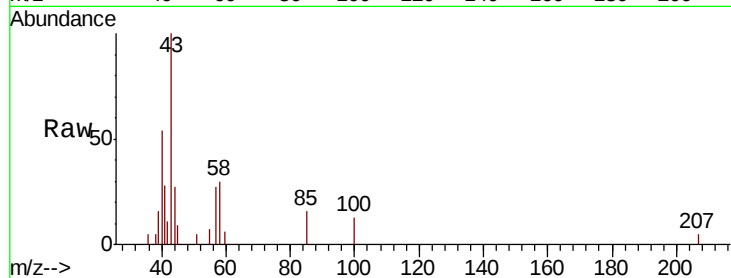
Time-->



#51
 4-Methyl-2-Pentanone
 Concen: 1.132 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

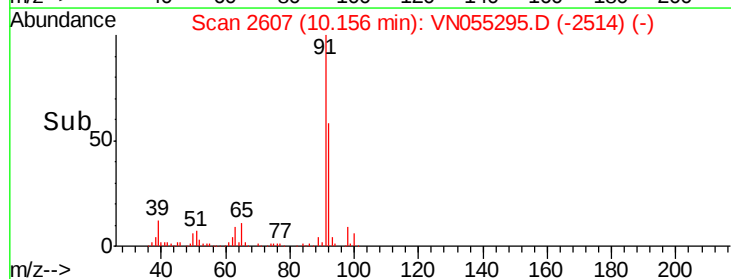
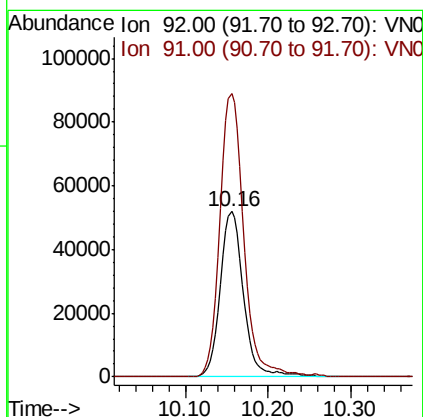
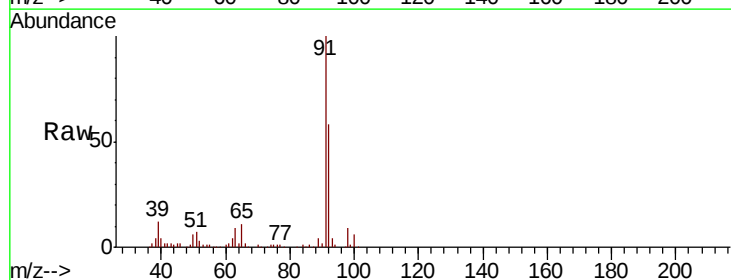
Instrument :
 MSVOA_N
 ClientSampleId :
 30026-30147-30148-30105

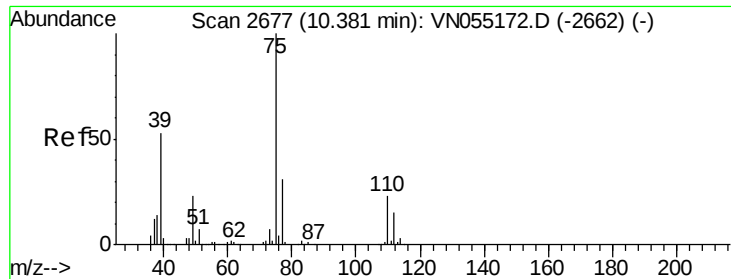
Tgt Ion: 43 Resp: 5088
 Ion Ratio Lower Upper
 43 100
 58 41.9 28.5 42.7



#52
 Toluene
 Concen: 9.226 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

Tgt Ion: 92 Resp: 101156
 Ion Ratio Lower Upper
 92 100
 91 174.8 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 12.123 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.03 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

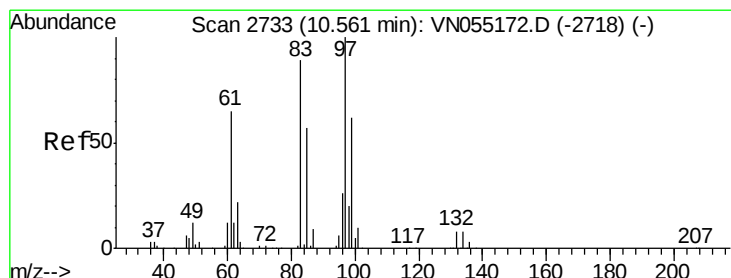
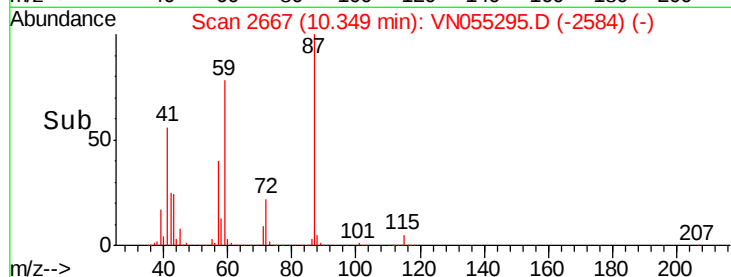
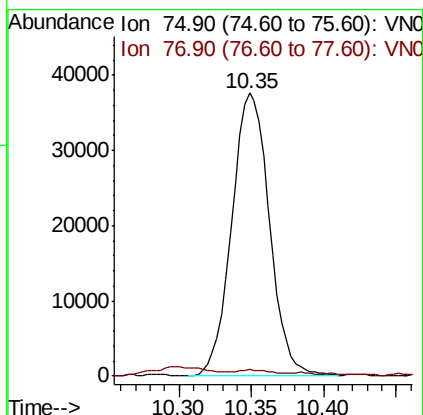
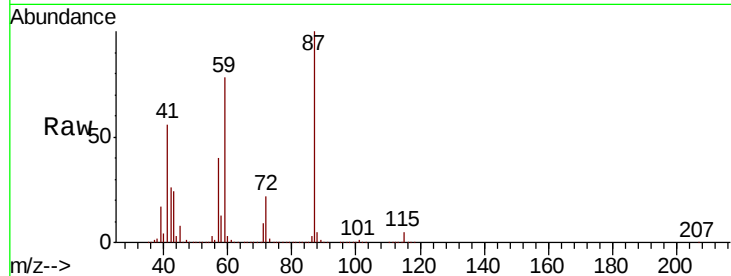
30026-30147-30148-30105

Tgt Ion: 75 Resp: 68019

Ion Ratio Lower Upper

75 100

77 1.7 24.4 36.6#



#55

1,1,2-Trichloroethane

Concen: 2.380 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.06 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Tgt Ion: 97 Resp: 9692

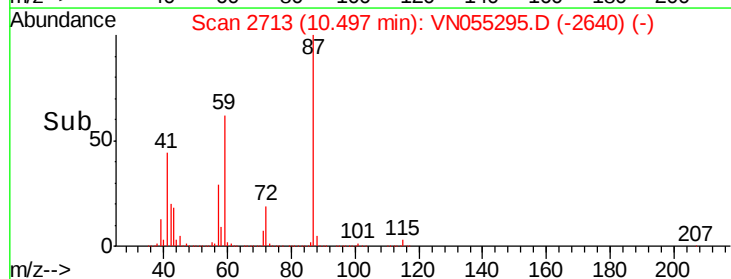
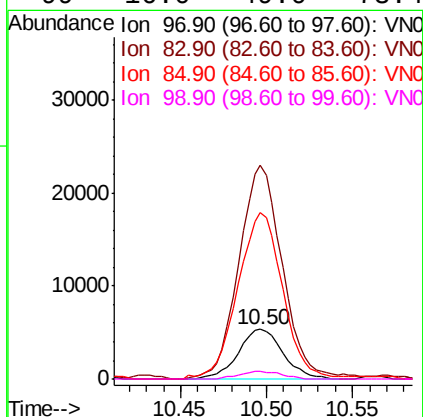
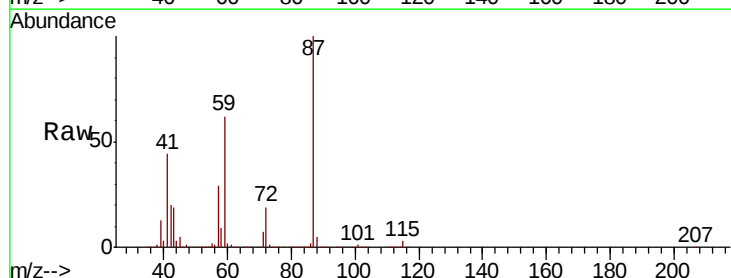
Ion Ratio Lower Upper

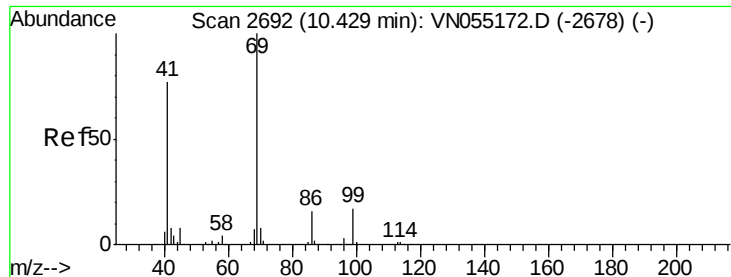
97 100

83 427.2 72.8 109.2#

85 330.2 47.0 70.6#

99 16.0 49.0 73.4#





#56

Ethyl methacrylate

Concen: 4.752 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. 0.07 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

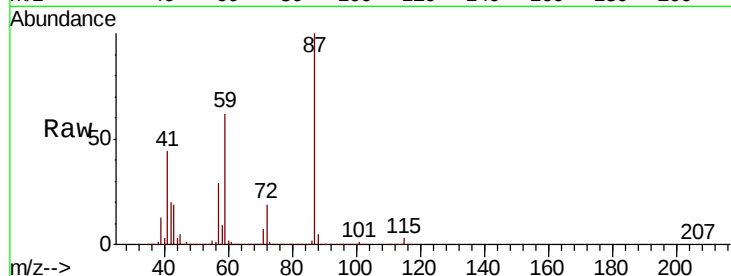
Tgt Ion: 69 Resp: 23815

Ion Ratio Lower Upper

69 100

41 23255.8 62.7 94.1#

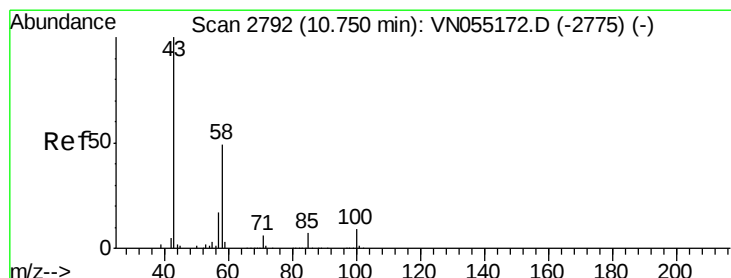
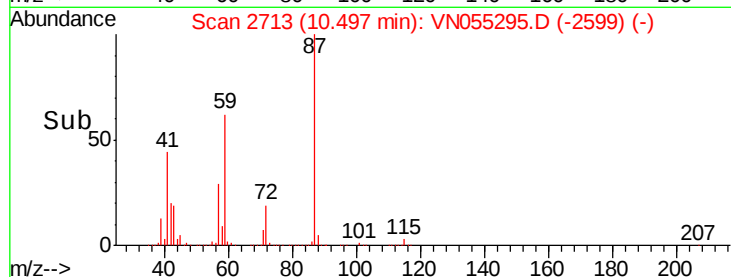
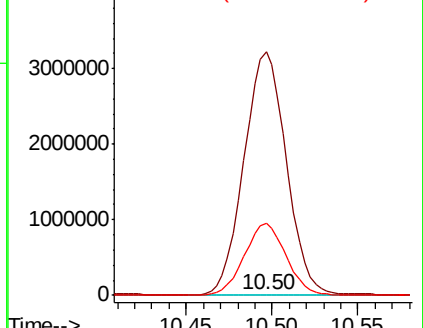
39 6749.7 32.0 48.0#



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



#59

2-Hexanone

Concen: 822.869 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.25 min

Lab File: VN055295.D

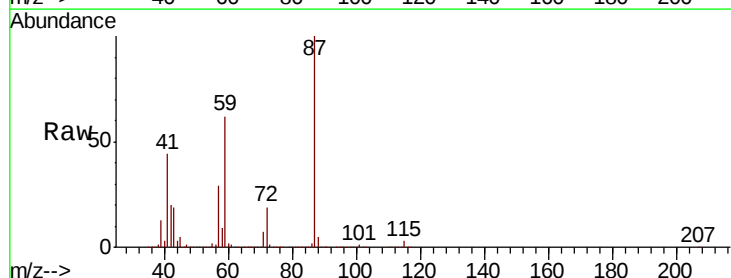
Acq: 29 Apr 2019 15:54

Tgt Ion: 43 Resp: 2314399

Ion Ratio Lower Upper

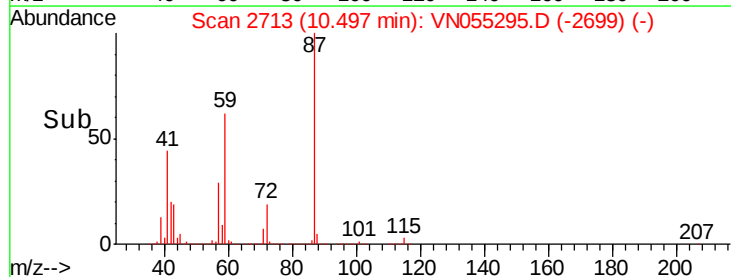
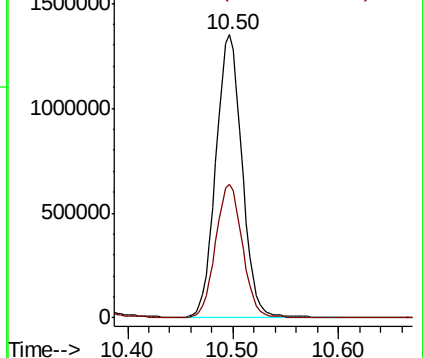
43 100

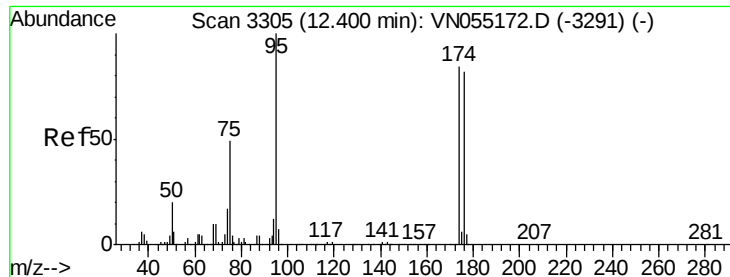
58 48.6 24.9 74.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 57.234 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

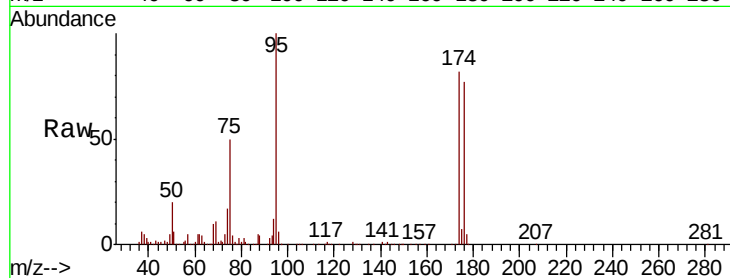
Tgt Ion: 95 Resp: 286914

Ion Ratio Lower Upper

95 100

174 82.0 0.0 166.6

176 78.0 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055295.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055295.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055295.D (-2903) (-)

12.40

200000

150000

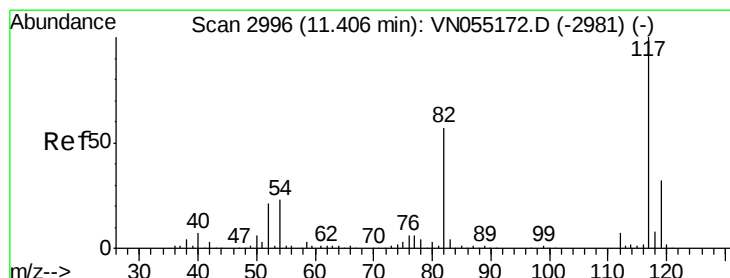
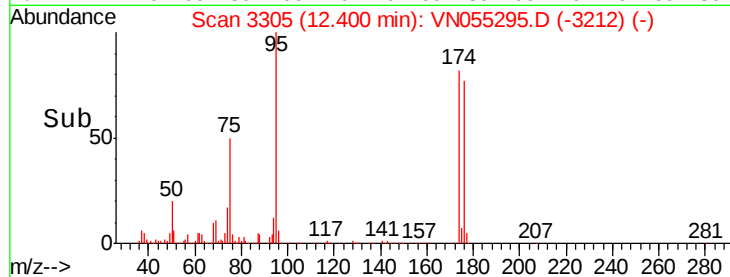
100000

50000

0

12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

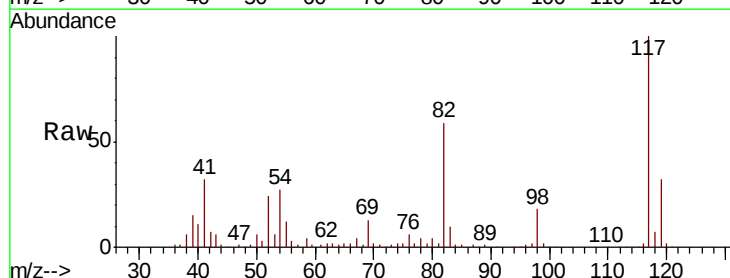
Tgt Ion: 117 Resp: 586625

Ion Ratio Lower Upper

117 100

82 58.6 46.2 69.4

119 32.1 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): VN055295.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055295.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055295.D (-2903) (-)

11.41

400000

300000

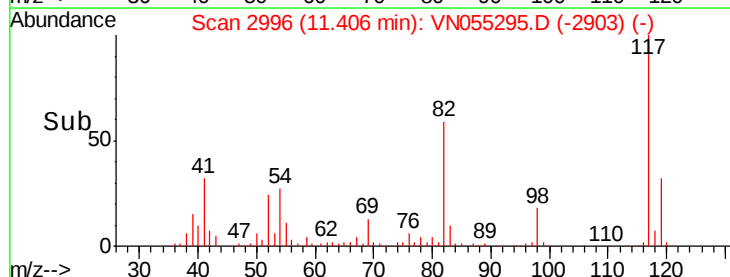
200000

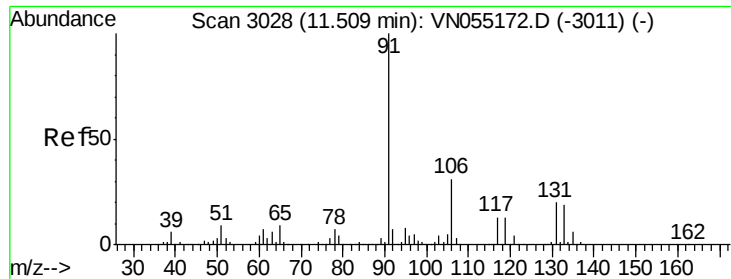
100000

0

11.30 11.40 11.50

Time-->

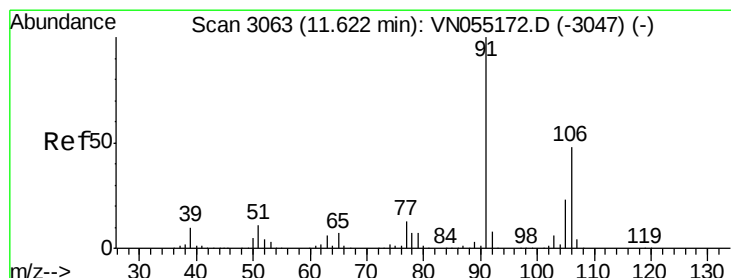
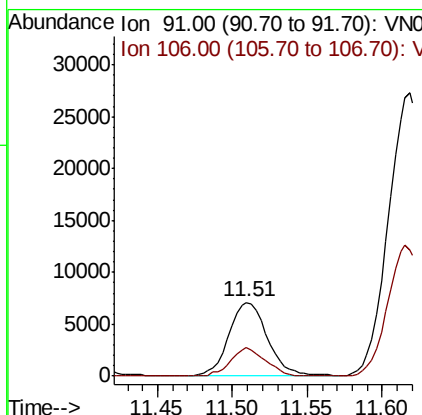
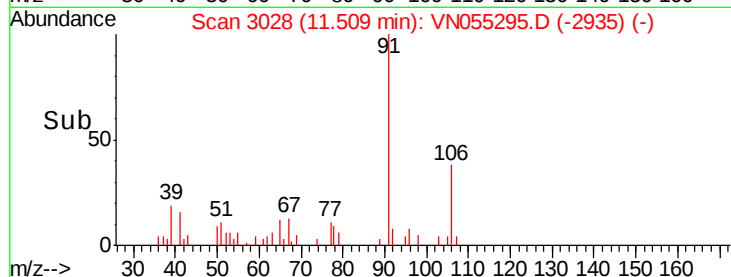
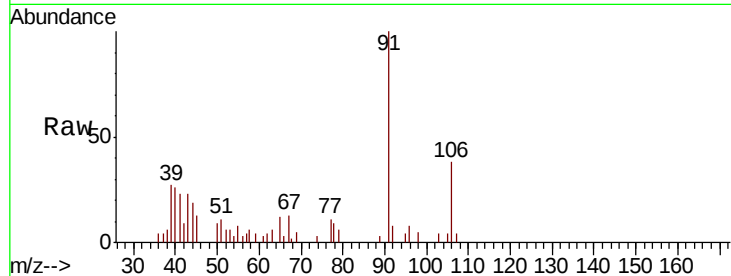




#67
Ethyl Benzene
Concen: 0.623 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

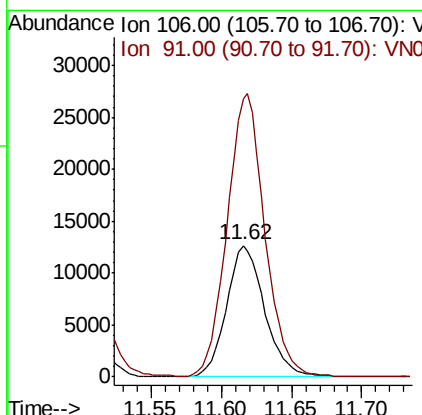
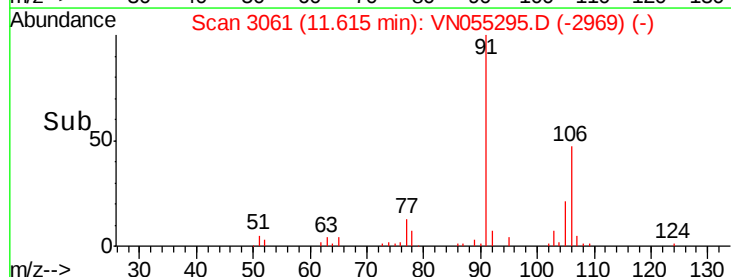
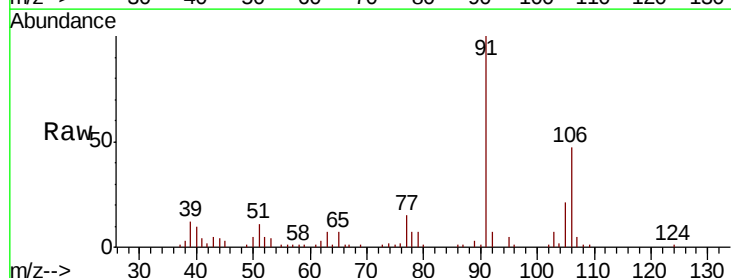
Instrument :
MSVOA_N
ClientSampleId :
30026-30147-30148-30105

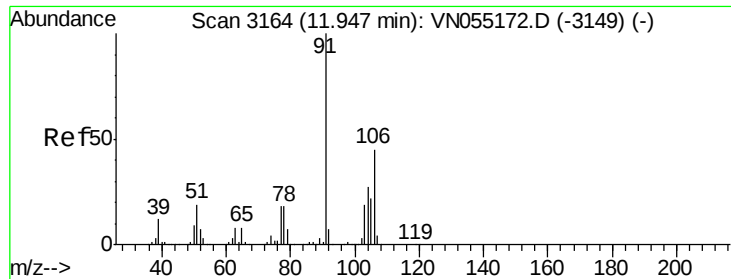
Tgt Ion: 91 Resp: 12908
Ion Ratio Lower Upper
91 100
106 38.1 24.6 36.8#



#68
m/p-Xylenes
Concen: 3.227 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

Tgt Ion: 106 Resp: 23859
Ion Ratio Lower Upper
106 100
91 213.0 169.5 254.3

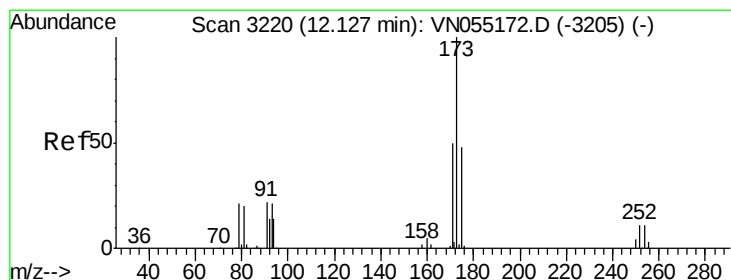
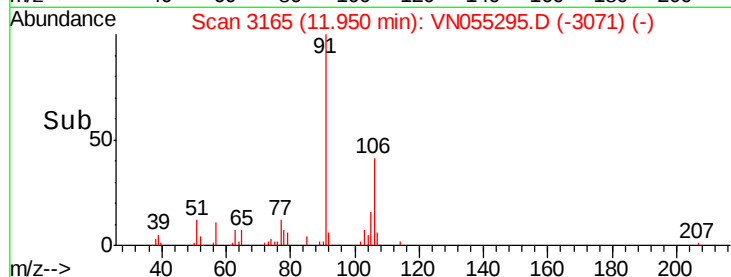
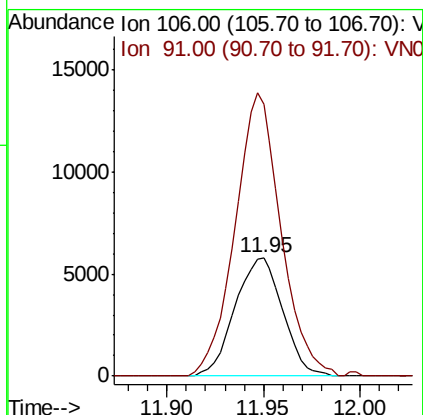
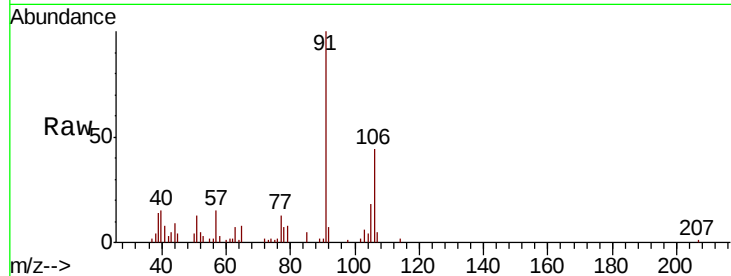




#69
o-Xylene
Concen: 1.356 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

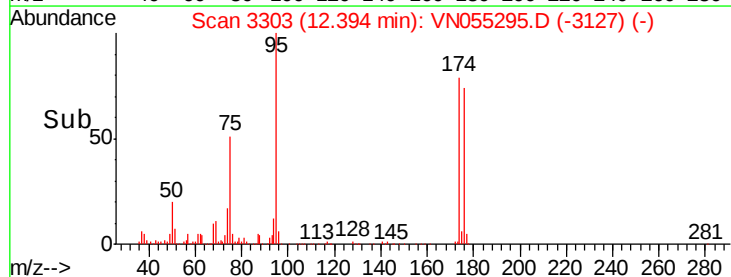
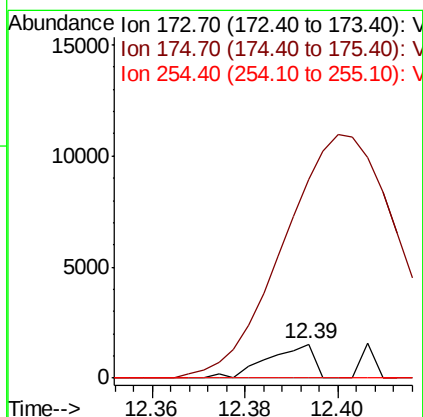
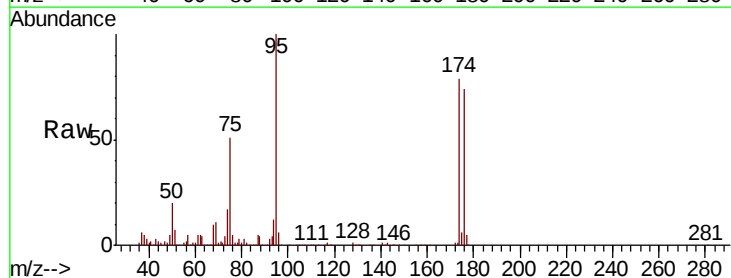
Instrument :
MSVOA_N
ClientSampleId :
30026-30147-30148-30105

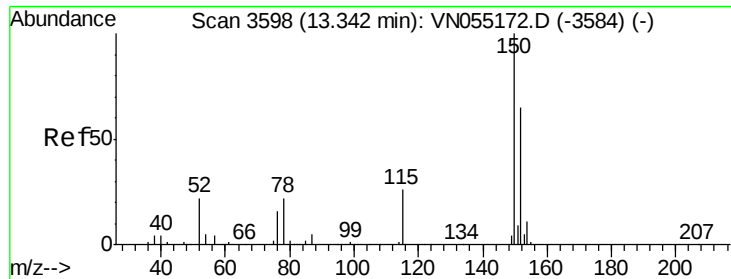
Tgt Ion:106 Resp: 9938
Ion Ratio Lower Upper
106 100
91 229.7 111.5 334.5



#71
Bromoform
Concen: 0.418 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN055295.D
Acq: 29 Apr 2019 15:54

Tgt Ion:173 Resp: 1042
Ion Ratio Lower Upper
173 100
175 1617.8 23.6 71.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

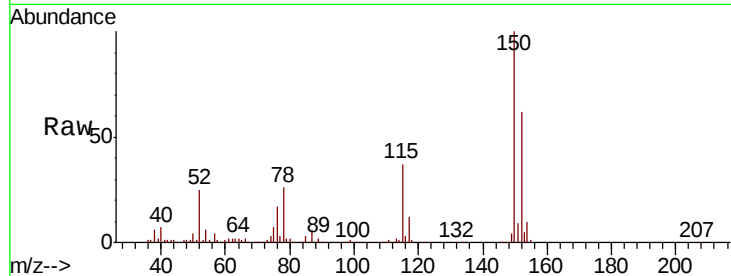
Tgt Ion:152 Resp: 226488

Ion Ratio Lower Upper

152 100

115 58.9 29.0 87.0

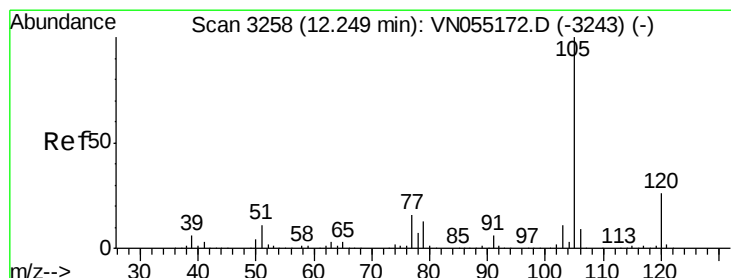
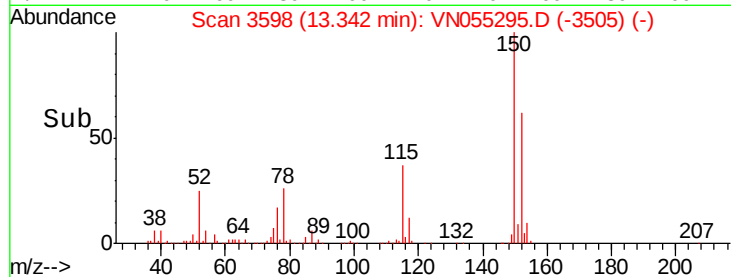
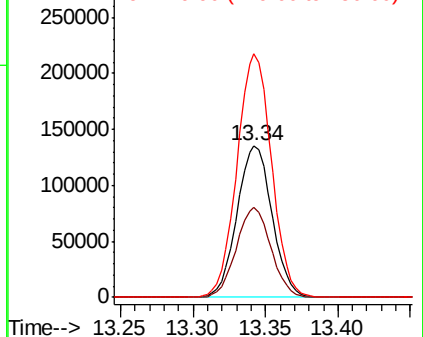
150 158.7 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055295.D

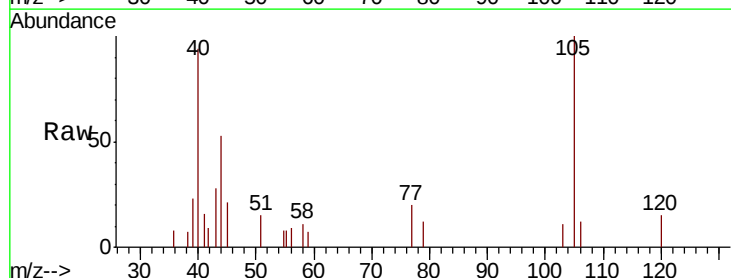
Acq: 29 Apr 2019 15:54

Tgt Ion:105 Resp: 3284

Ion Ratio Lower Upper

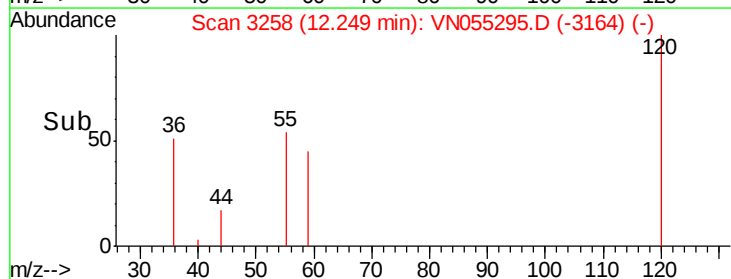
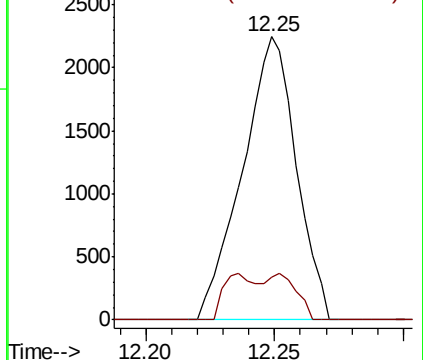
105 100

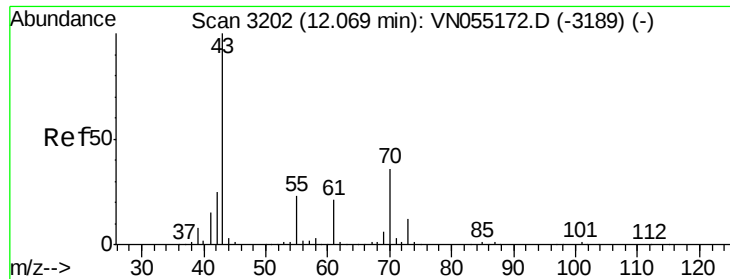
120 8.3 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.664 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

Tgt Ion: 43 Resp: 3858

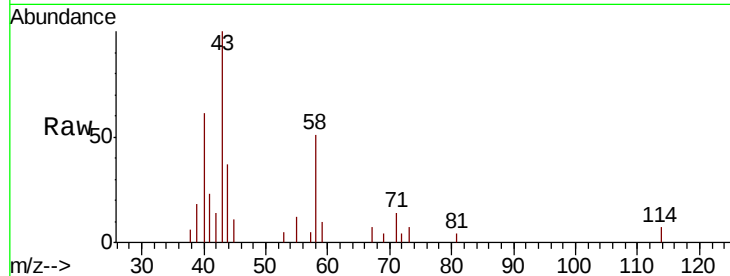
Ion Ratio Lower Upper

43 100

70 0.0 27.9 41.9#

55 0.0 18.2 27.2#

61 0.0 16.9 25.3#

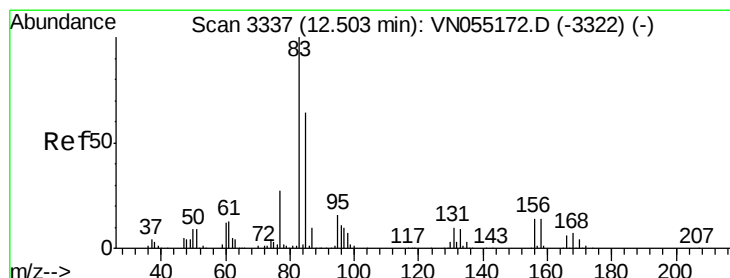
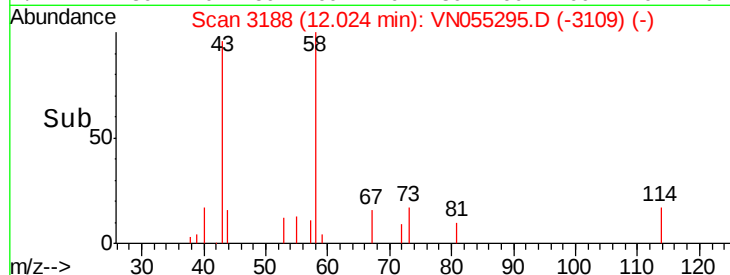
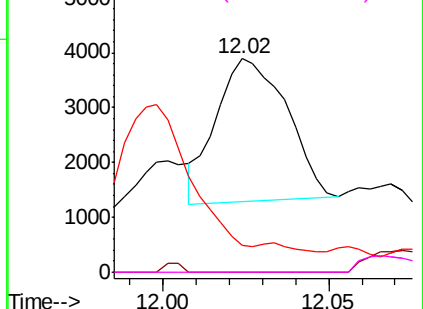


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

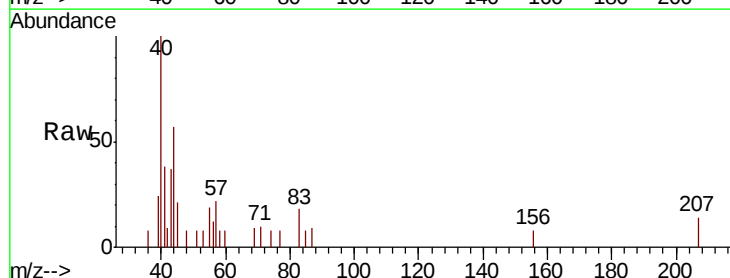
Tgt Ion: 83 Resp: 711

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

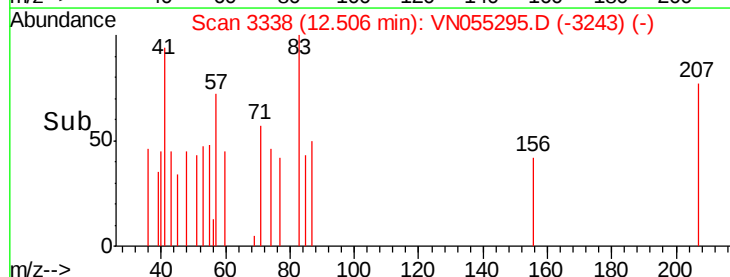
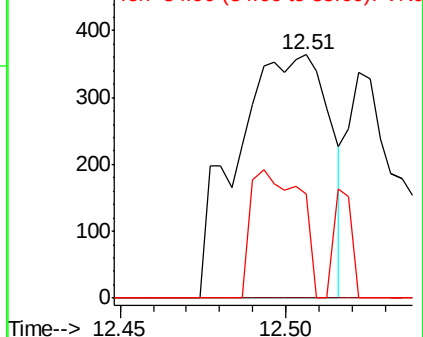
85 27.8 32.3 96.8#

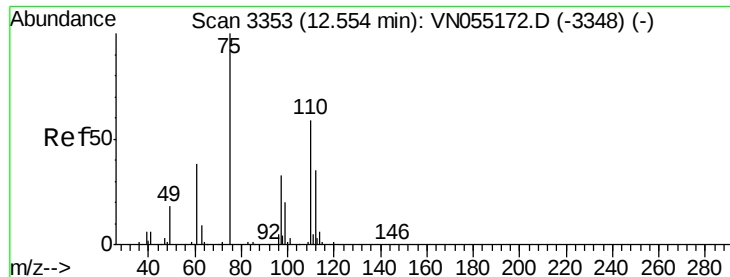


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 34.185 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

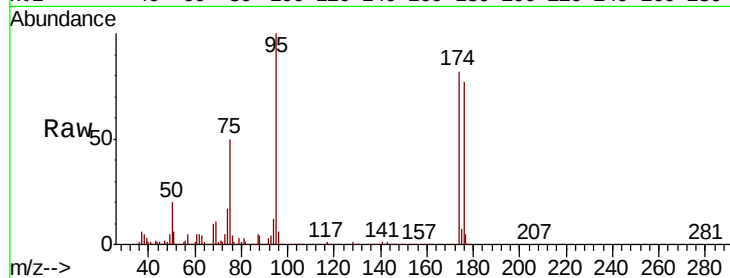
30026-30147-30148-30105

Tgt Ion: 75 Resp: 147266

Ion Ratio Lower Upper

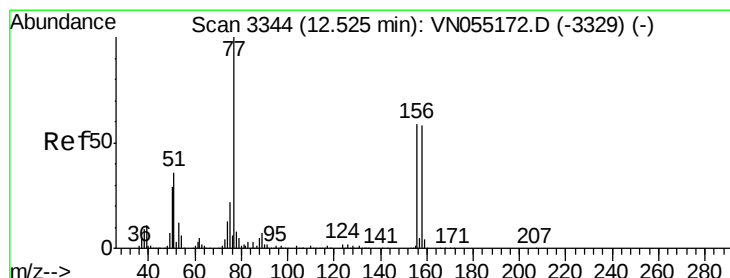
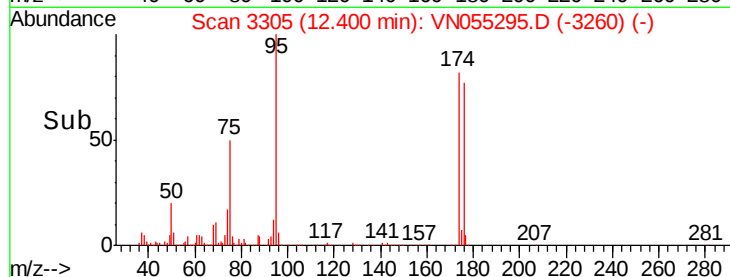
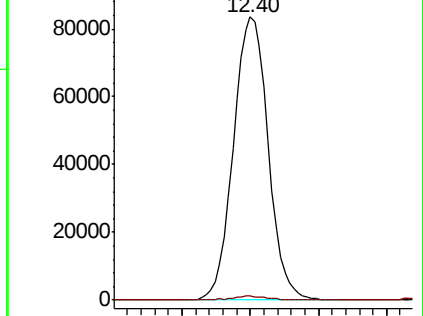
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

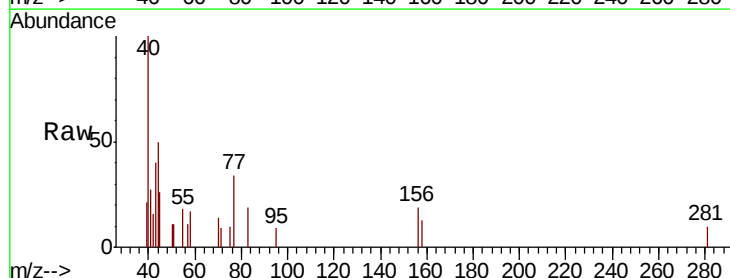
Tgt Ion: 156 Resp: 426

Ion Ratio Lower Upper

156 100

77 281.0 99.6 298.8

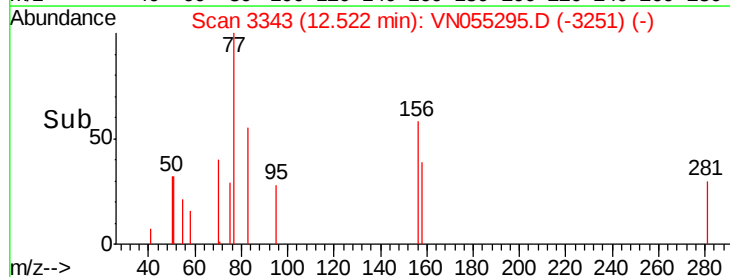
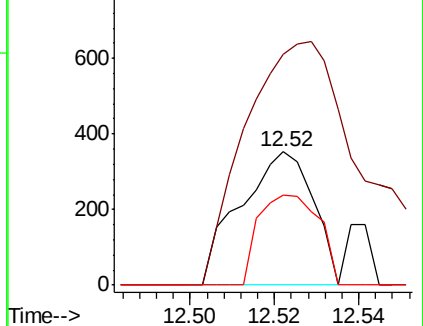
158 55.6 49.3 147.8

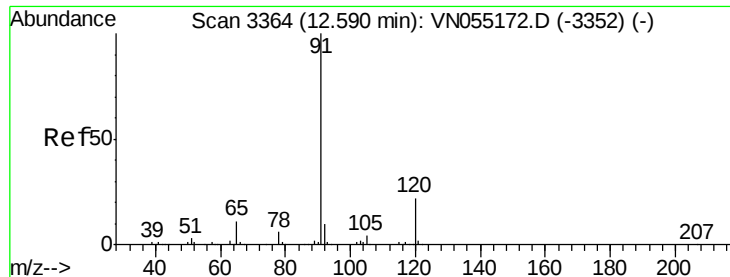


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.226 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

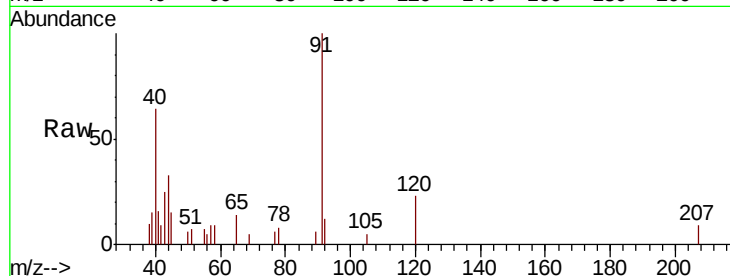
30026-30147-30148-30105

Tgt Ion: 91 Resp: 5256

Ion Ratio Lower Upper

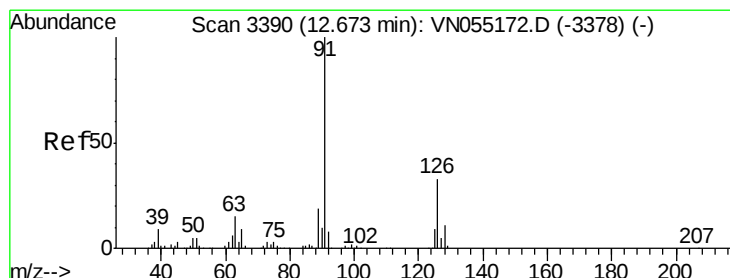
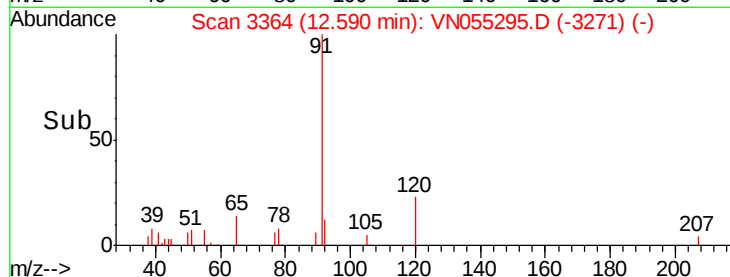
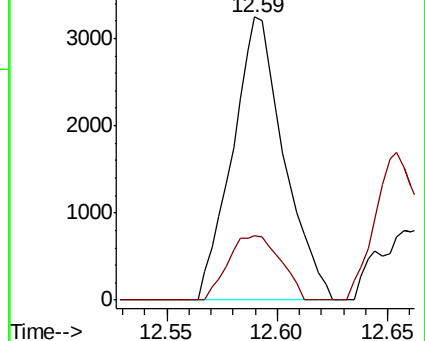
91 100

120 23.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055295.D

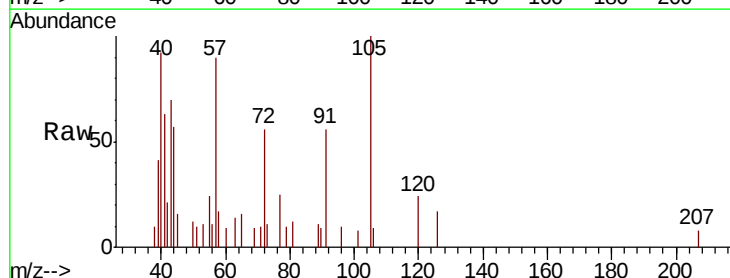
Acq: 29 Apr 2019 15:54

Tgt Ion: 91 Resp: 2594

Ion Ratio Lower Upper

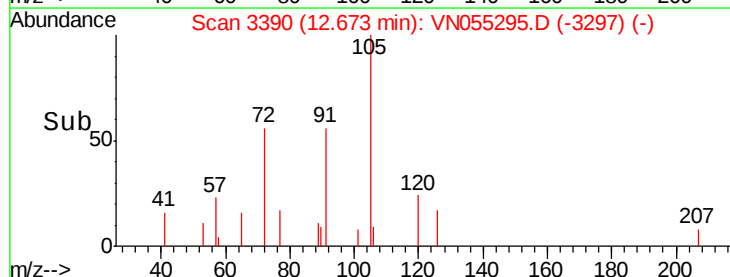
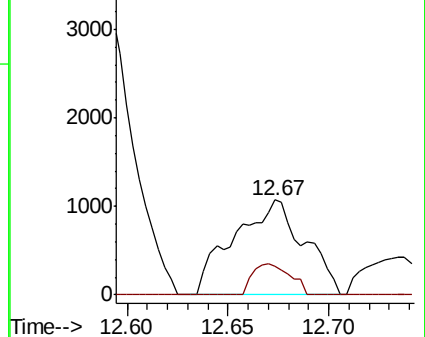
91 100

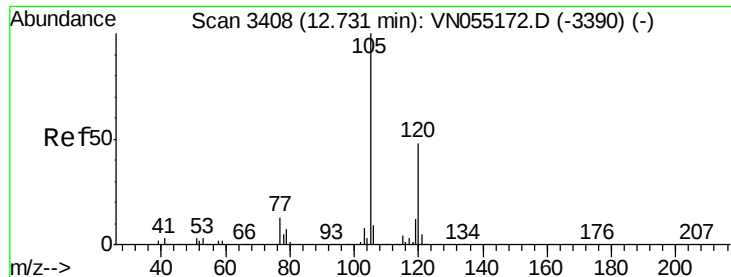
126 17.6 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.444 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

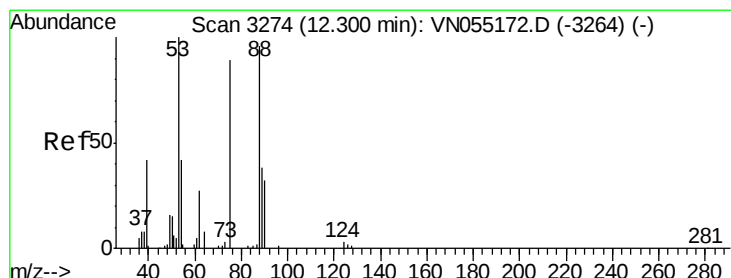
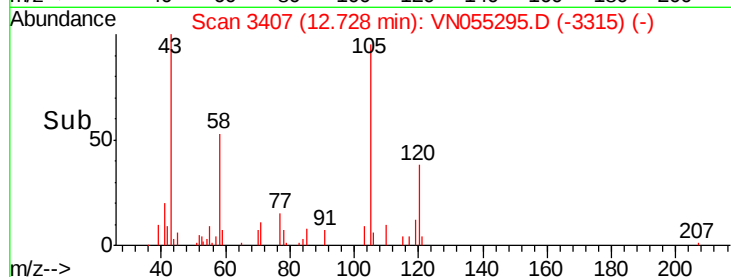
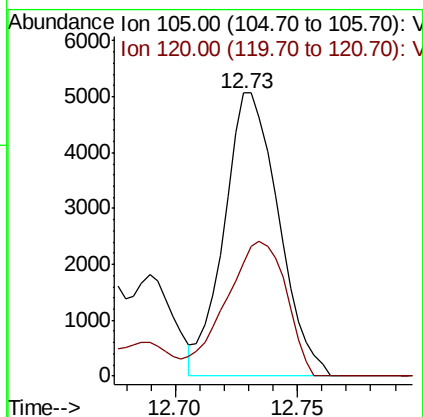
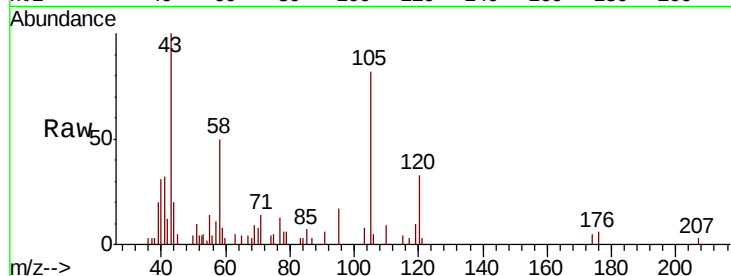
30026-30147-30148-30105

Tgt Ion: 105 Resp: 7881

Ion Ratio Lower Upper

105 100

120 53.0 23.4 70.0



#81

trans-1,4-Dichloro-2-butene

Concen: 123.220 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

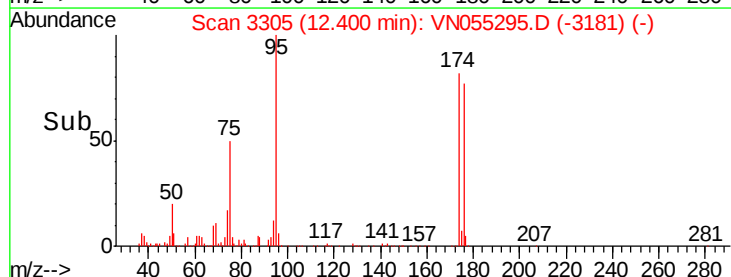
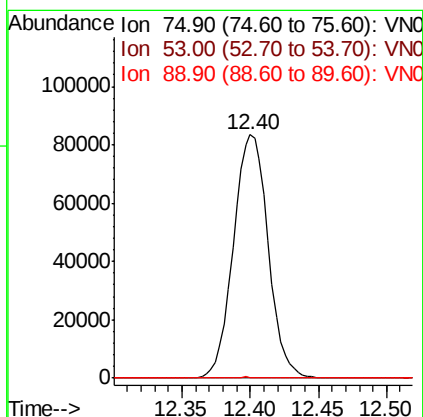
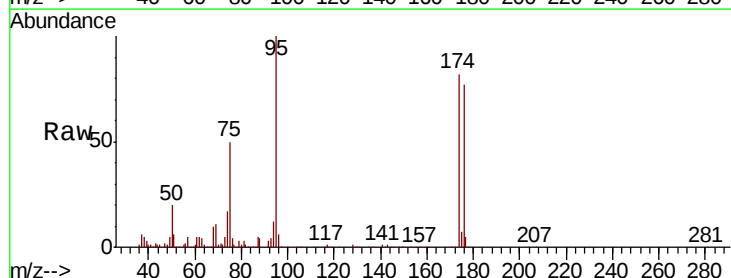
Tgt Ion: 75 Resp: 147266

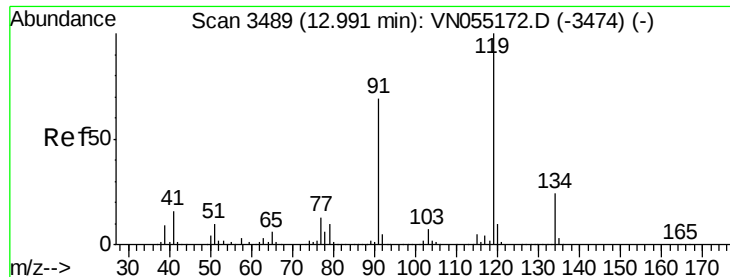
Ion Ratio Lower Upper

75 100

53 0.3 86.3 129.5#

89 0.1 34.6 51.8#

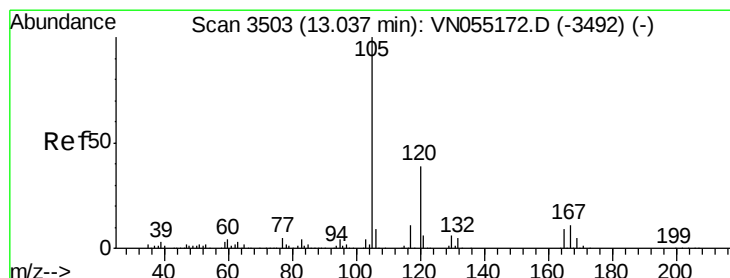
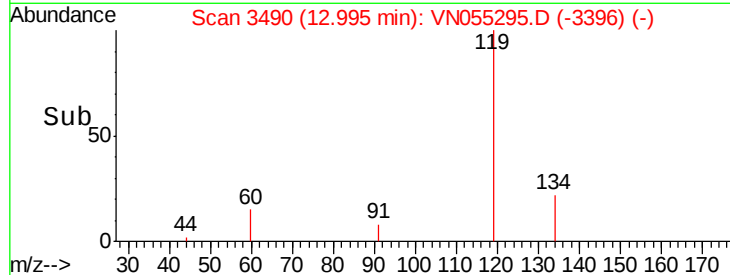
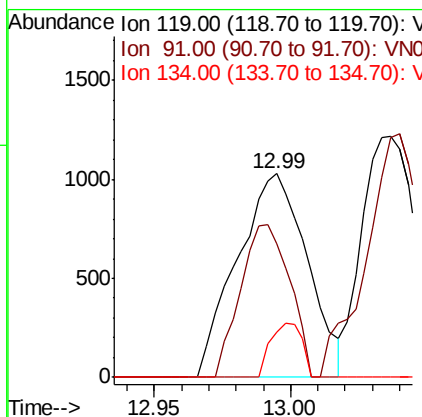
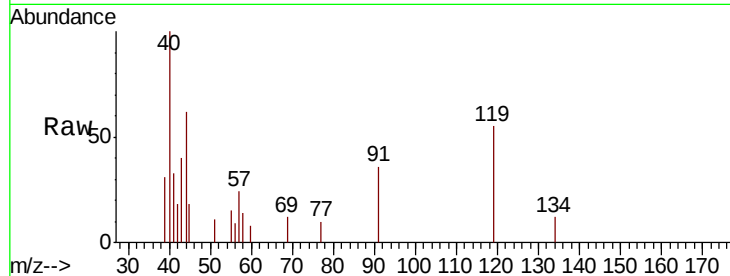




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

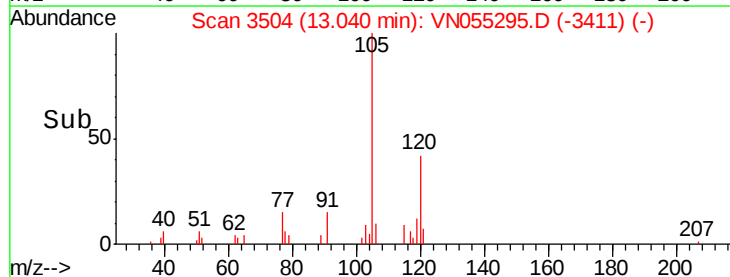
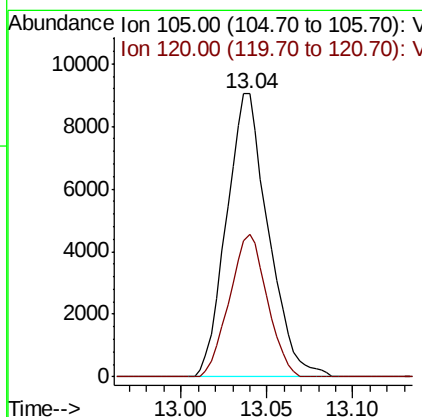
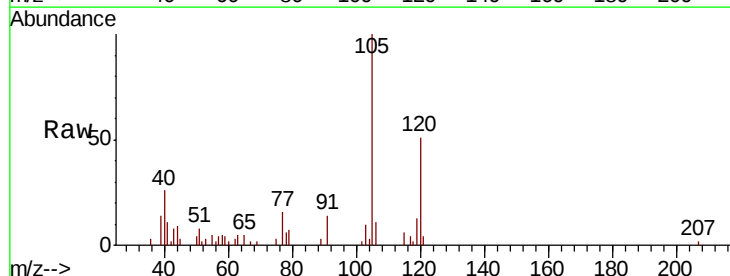
Instrument :
 MSVOA_N
 ClientSampleId :
 30026-30147-30148-30105

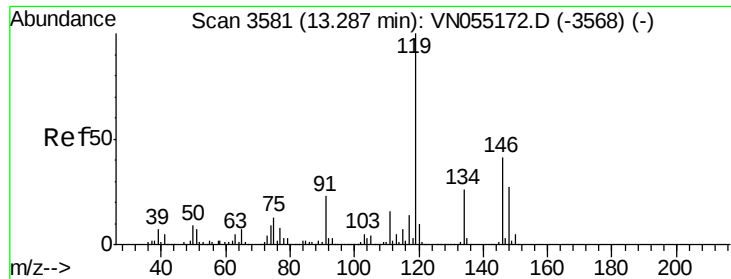
Tgt Ion:119 Resp: 1834
 Ion Ratio Lower Upper
 119 100
 91 52.7 34.3 102.9
 134 11.9 13.1 39.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.967 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

Tgt Ion:105 Resp: 15357
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.1 66.5

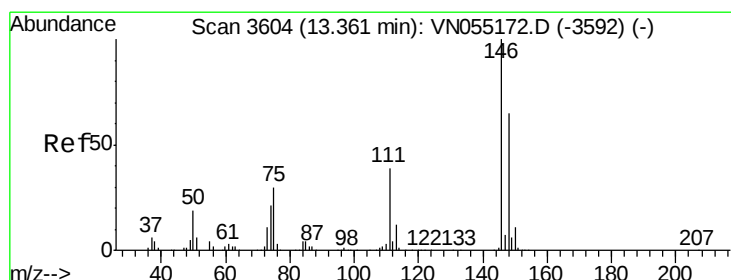
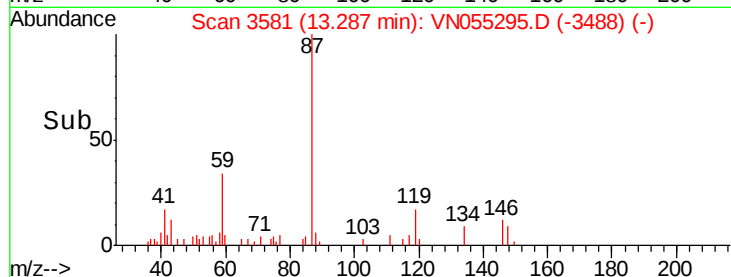
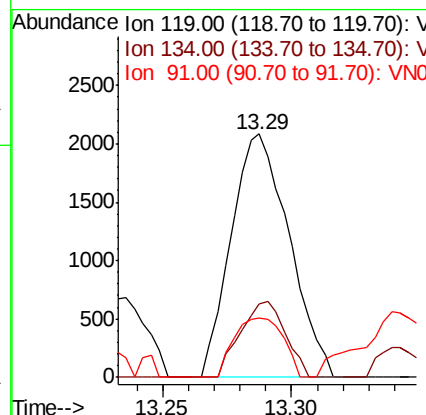
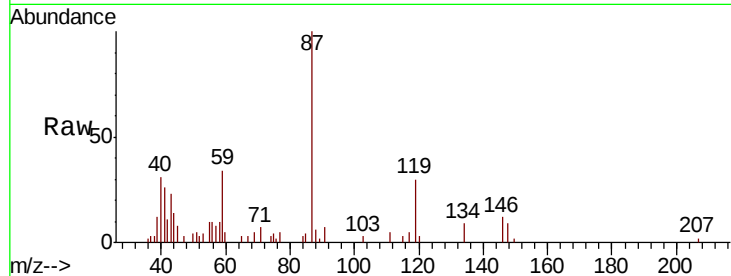




#86
 p-Isopropyltoluene
 Concen: 0.205 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

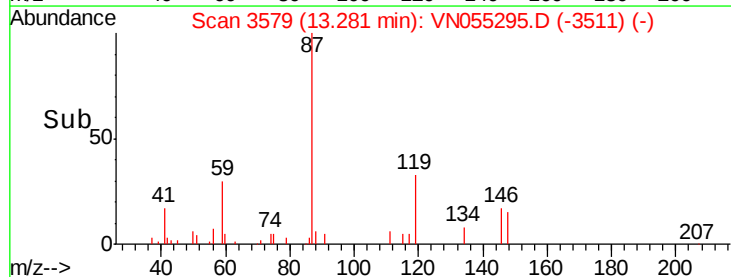
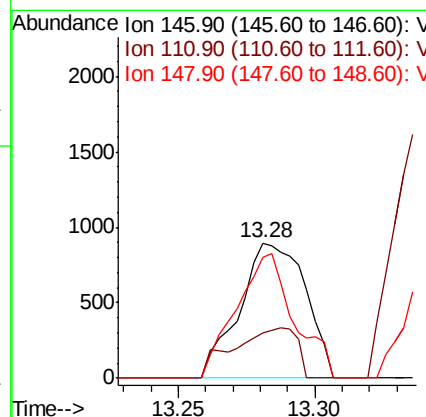
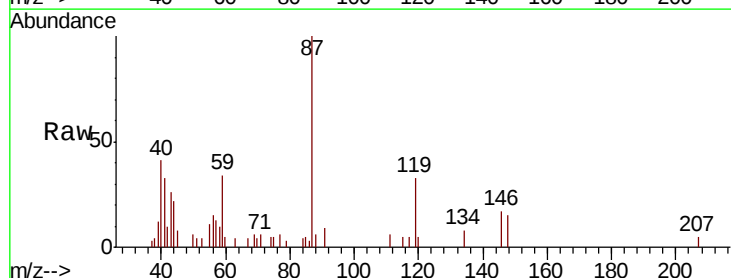
Instrument :
 MSVOA_N
 ClientSampleId :
 30026-30147-30148-30105

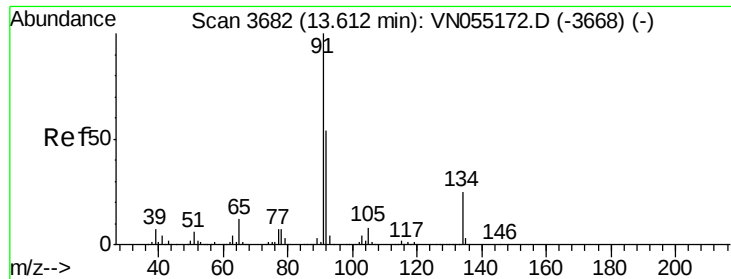
Tgt Ion:119 Resp: 3254
 Ion Ratio Lower Upper
 119 100
 134 24.2 13.0 38.9
 91 20.6 12.2 36.6



#88
 1,4-Dichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

Tgt Ion:146 Resp: 1503
 Ion Ratio Lower Upper
 146 100
 111 35.9 19.5 58.5
 148 80.7 32.5 97.4





#89

n-Butylbenzene

Concen: 0.412 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

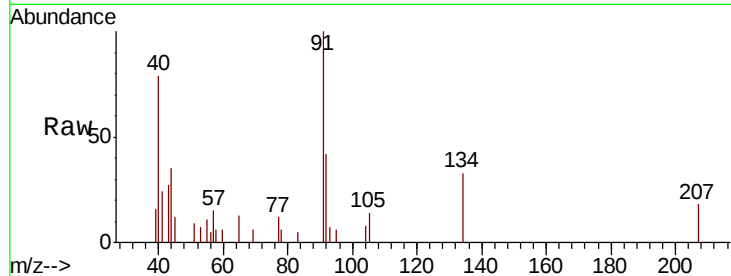
Tgt Ion: 91 Resp: 4649

Ion Ratio Lower Upper

91 100

92 45.2 26.1 78.3

134 28.1 12.4 37.4

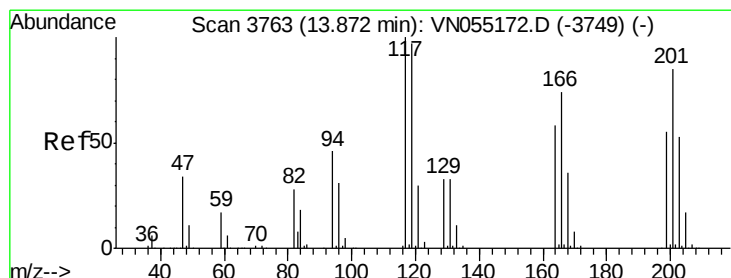
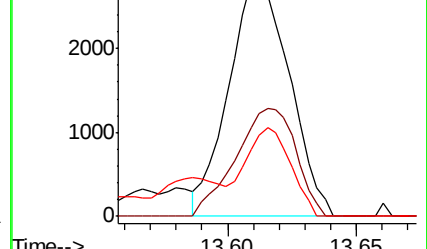
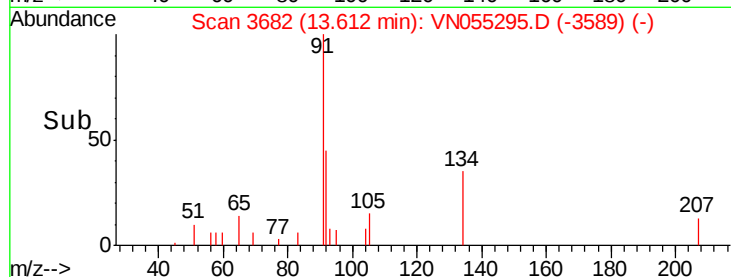


Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055172.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055172.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN055295.D

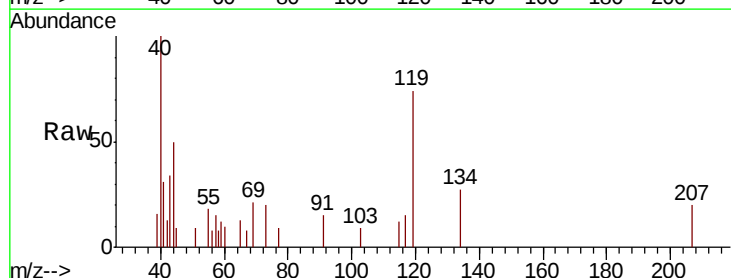
Acq: 29 Apr 2019 15:54

Tgt Ion: 117 Resp: 340

Ion Ratio Lower Upper

117 100

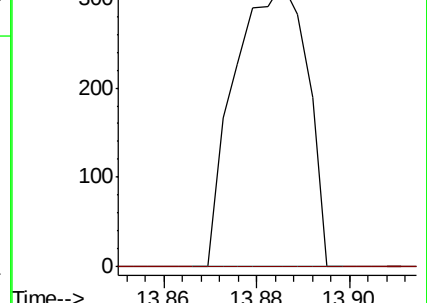
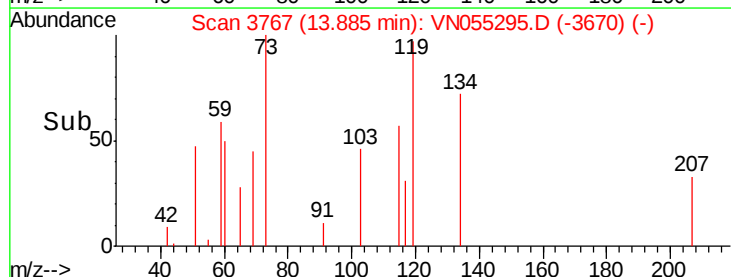
201 0.0 41.9 125.8#

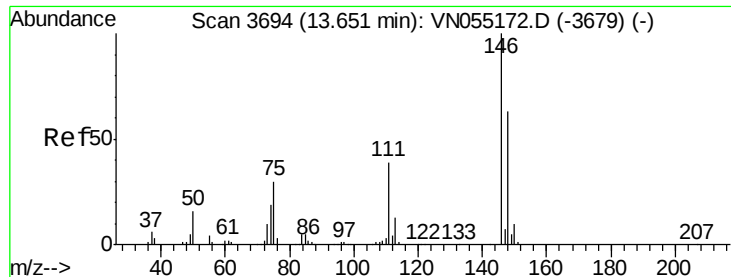


Abundance Ion 116.80 (116.50 to 117.50): VN055172.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055172.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 0.208 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

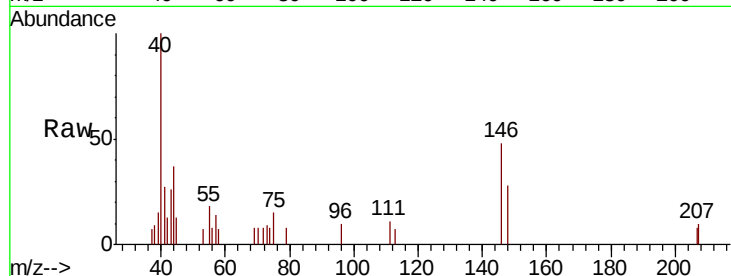
Tgt Ion:146 Resp: 1566

Ion Ratio Lower Upper

146 100

111 17.0 20.3 61.0#

148 64.9 32.4 97.2

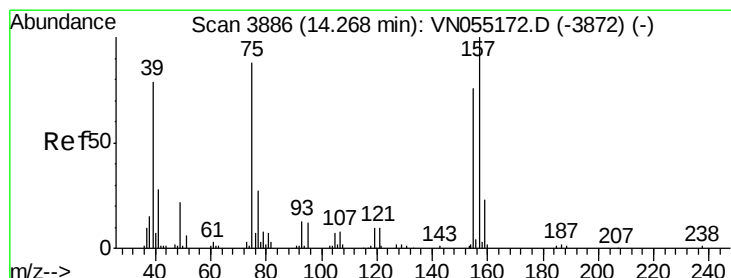
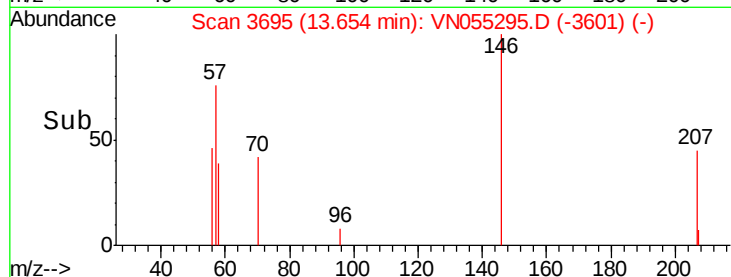
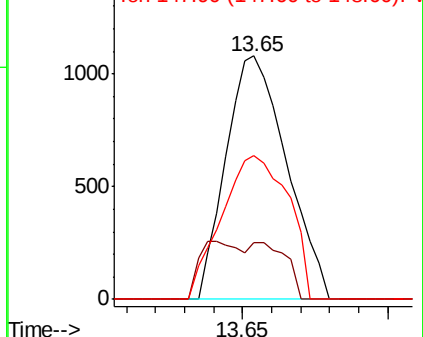


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.272 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

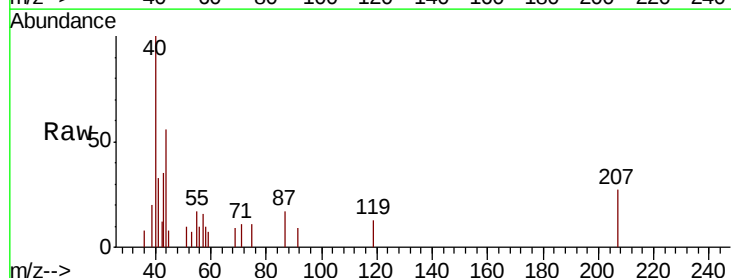
Tgt Ion: 75 Resp: 162

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

157 0.0 54.0 162.2#

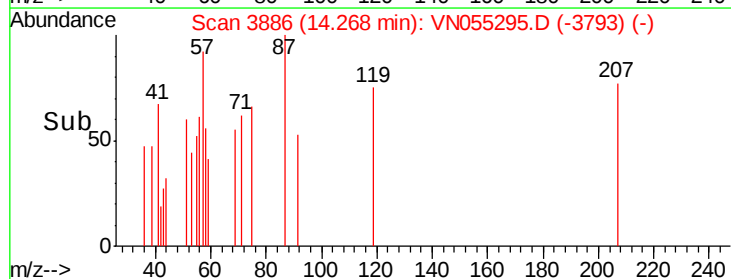
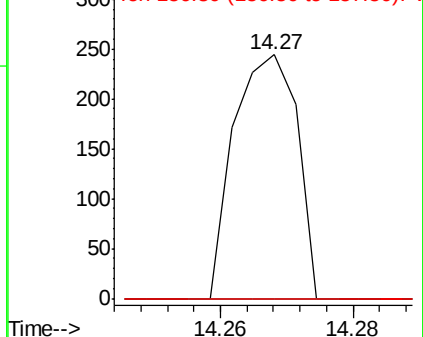


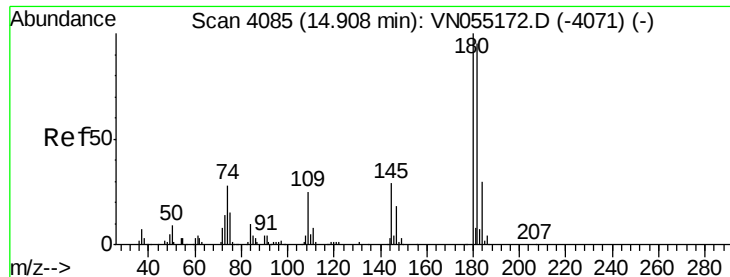
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

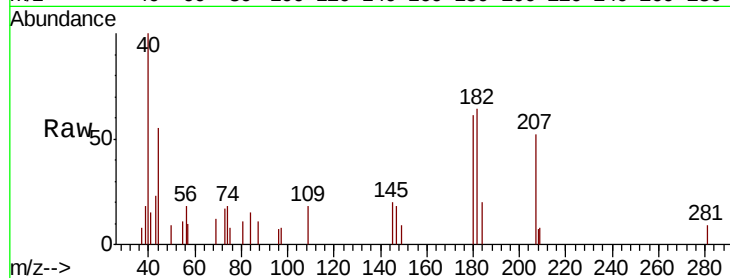




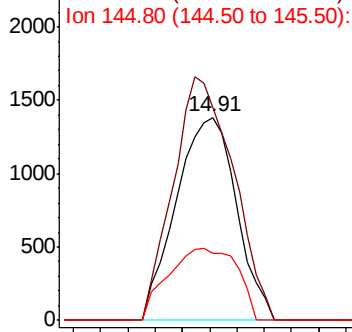
#93
 1,2,4-Trichlorobenzene
 Concen: 3.977 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 30026-30147-30148-30105

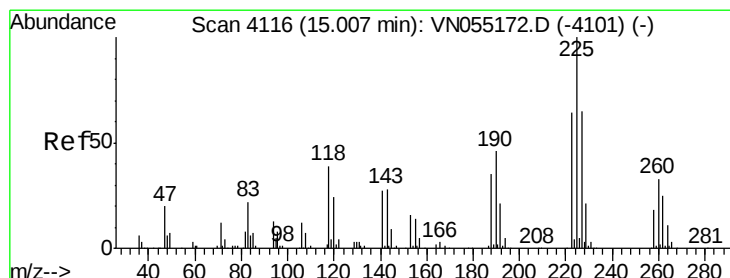
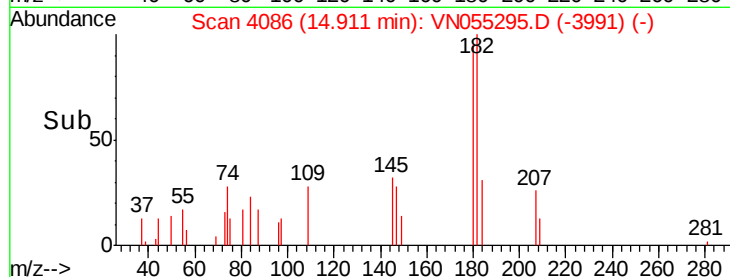
Tgt Ion:180 Resp: 2114
 Ion Ratio Lower Upper
 180 100
 182 120.2 48.3 144.9
 145 40.6 14.2 42.6



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

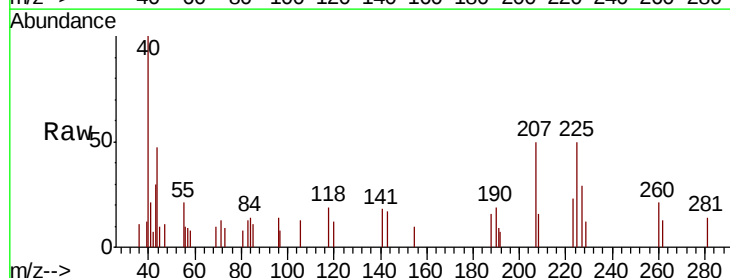


Time-->

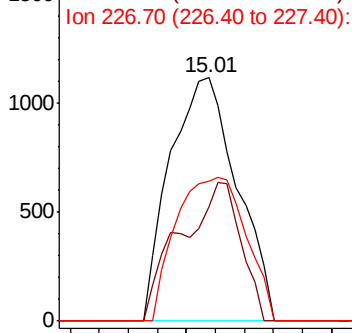


#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055295.D
 Acq: 29 Apr 2019 15:54

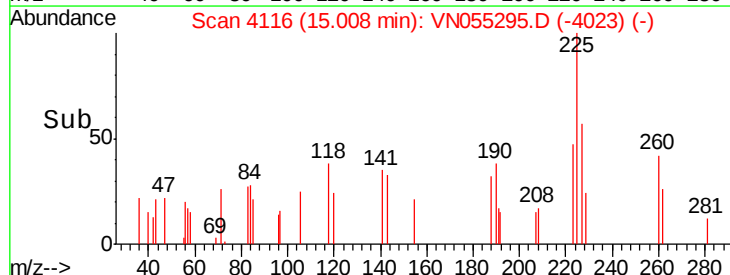
Tgt Ion:225 Resp: 1799
 Ion Ratio Lower Upper
 225 100
 223 51.3 30.3 90.8
 227 61.5 30.9 92.7

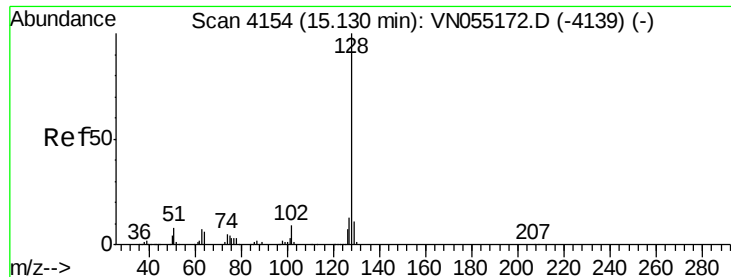


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 4.838 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

30026-30147-30148-30105

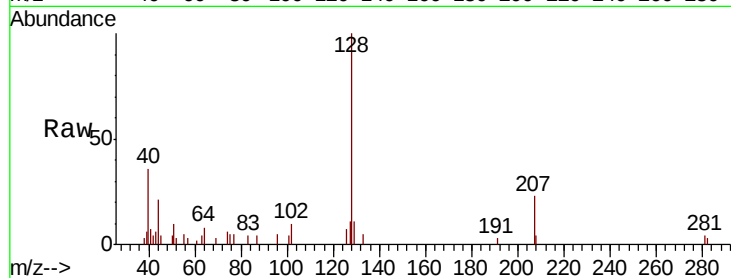
Tgt Ion:128 Resp: 10183

Ion Ratio Lower Upper

128 100

127 12.0 10.7 16.1

129 12.9 8.6 13.0

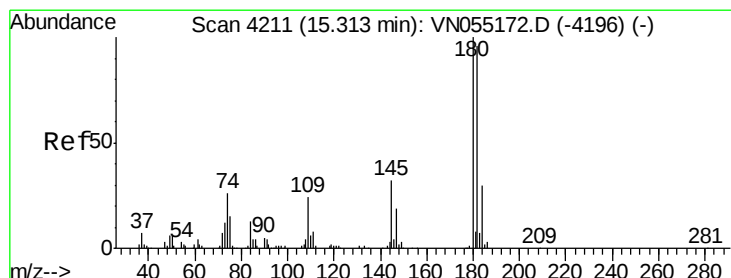
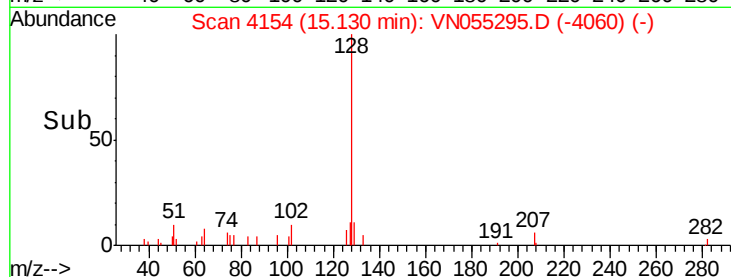
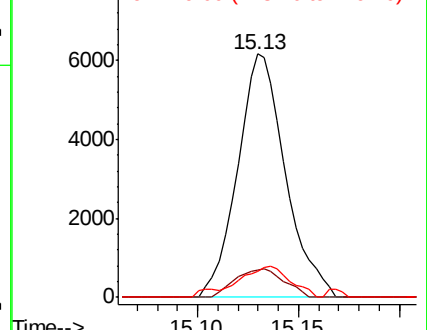


Abundance

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: 3.498 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055295.D

Acq: 29 Apr 2019 15:54

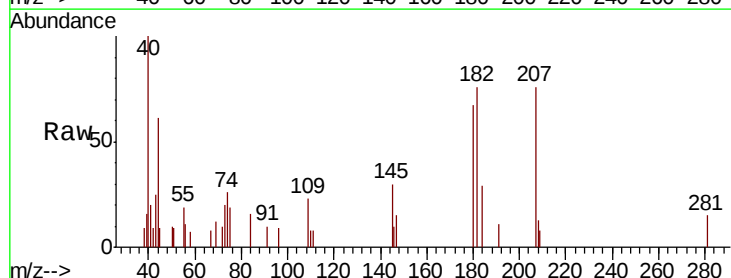
Tgt Ion:180 Resp: 2724

Ion Ratio Lower Upper

180 100

182 109.4 48.3 144.9

145 35.3 15.2 45.6



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

