

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055572.D
 Acq On : 13 May 2019 12:03
 Operator : JC/SP
 Sample : K2718-21MERE
 Misc : 3.91g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS008-0002-01MERE

Quant Time: May 14 01:47:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	721885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1188130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1017209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	368790	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	479971	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	
35) Dibromofluoromethane	7.59	113	372868	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	10.09	98	1460243	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	472873	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.52	94	1701	0.275	ug/l	89
13) Acrolein	3.60	56	1167	1.091	ug/l #	67
16) Acetone	3.83	43	13844	2.751	ug/l	96
17) Carbon Disulfide	4.03	76	6179	0.287	ug/l #	92
18) Methyl Acetate	4.33	43	53271	4.027	ug/l	99
25) 2-Butanone	6.86	43	2261	0.325	ug/l #	87
29) Tetrahydrofuran	7.22	42	980	0.213	ug/l #	89
31) Cyclohexane	7.66	56	15815	0.902	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	58873	5.030	ug/l #	50
38) Carbon Tetrachloride	7.66	117	69087	7.009	ug/l #	16
43) Isopropyl Acetate	8.28	43	14095	0.727	ug/l #	65
49) 1,4-Dioxane	9.20	88	610	3.349	ug/l #	74
51) 4-Methyl-2-Pentanone	9.99	43	18591	1.457	ug/l	98
52) Toluene	10.16	92	5670	0.273	ug/l	87
56) Ethyl methacrylate	10.43	69	3296	0.263	ug/l #	89
58) 2-Chloroethyl Vinyl ether	9.69	63	235	12.565	ug/l #	52
59) 2-Hexanone	10.76	43	32491	3.631	ug/l	96
68) m/p-Xylenes	11.62	106	5810	0.412	ug/l	90
69) o-Xylene	11.94	106	3343	0.241	ug/l	93
73) Isopropylbenzene	12.25	105	3325	Below Cal		97
74) N-amyl acetate	12.07	43	10800	0.771	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	2046	Below Cal	#	93
76) 1,2,3-Trichloropropane	12.40	75	235599	23.467	ug/l #	100
77) Bromobenzene	12.53	156	1661	0.204	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	235599	86.589	ug/l #	7
82) 4-Chlorotoluene	12.78	91	5907	0.254	ug/l	99
86) p-Isopropyltoluene	13.28	119	6246	0.228	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	4274	0.340	ug/l	91
88) 1,4-Dichlorobenzene	13.28	146	4274	0.345	ug/l	92
89) n-Butylbenzene	13.62	91	12695	0.599	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	3762	0.300	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	702	0.414	ug/l	87
93) 1,2,4-Trichlorobenzene	14.90	180	5725	4.186	ug/l	98
94) Hexachlorobutadiene	15.00	225	2712	Below Cal		88

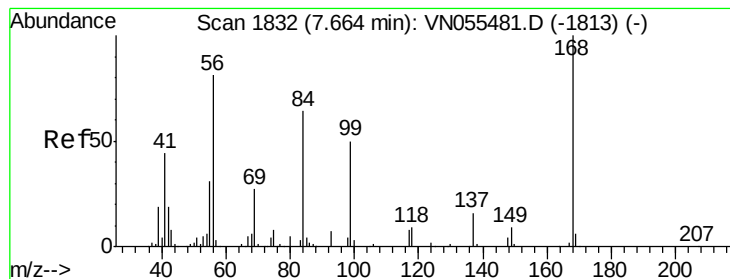
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
Data File : VN055572.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	21024	4.224	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	5823	3.359	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

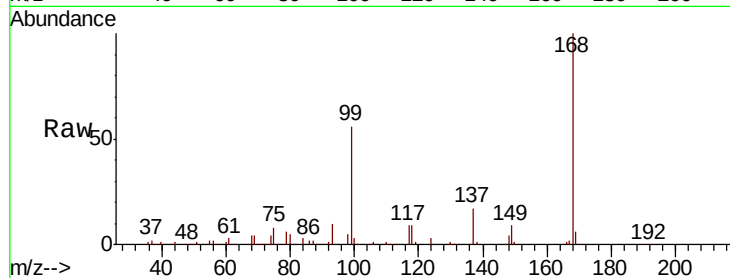
P026-SS008-0002-01MERE

Tot Ion:168 Resp: 721885

Ion Ratio Lower Upper

168 100

99 56.3 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055572.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055572.D (-1739) (-)

7.66

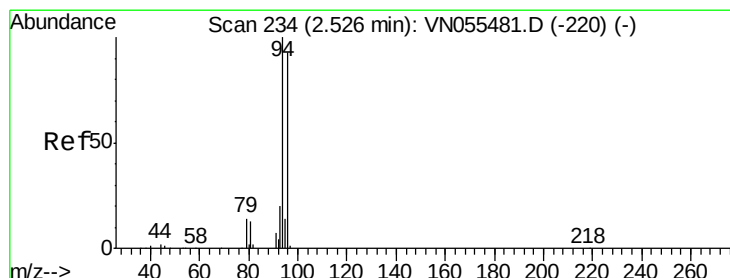
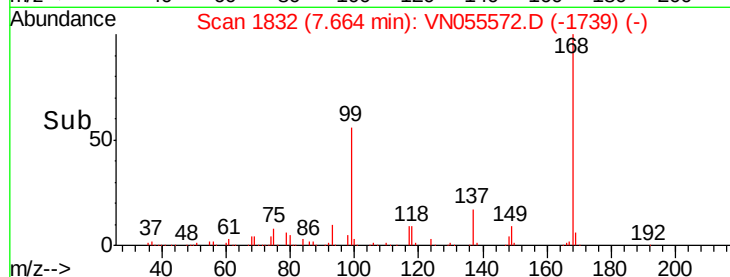
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.275 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN055572.D

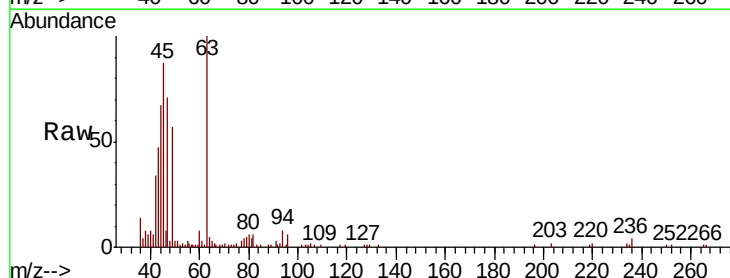
Acq: 13 May 2019 12:03

Tgt Ion: 94 Resp: 1701

Ion Ratio Lower Upper

94 100

96 82.5 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN055572.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN055572.D (-141) (-)

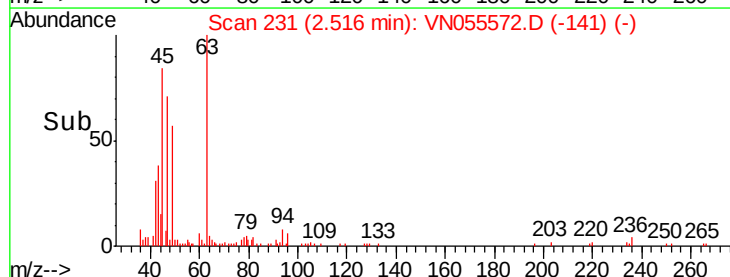
2.52

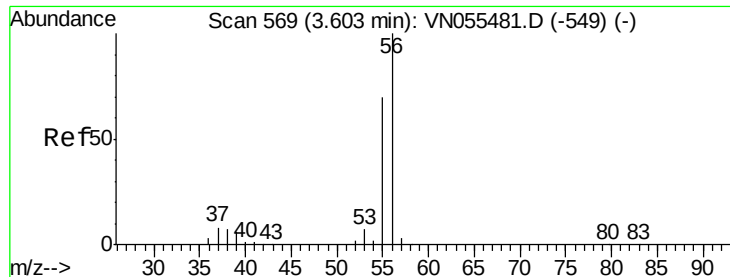
1000

500

0

Time-->





#13

Acrolein

Concen: 1.091 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

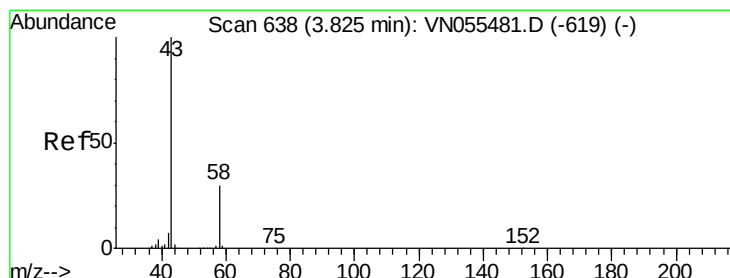
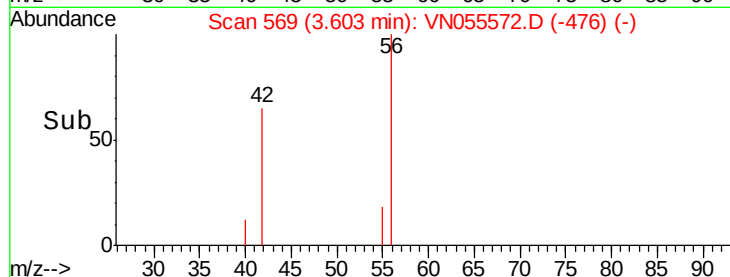
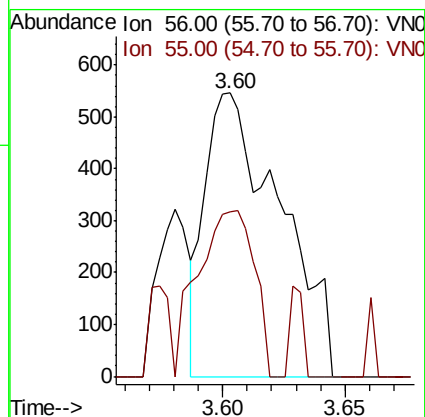
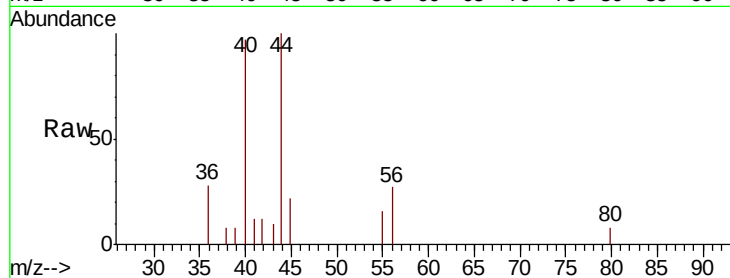
P026-SS008-0002-01MERE

Tot Ion: 56 Resp: 1167

Ion Ratio Lower Upper

56 100

55 44.2 57.7 86.5#



#16

Acetone

Concen: 2.751 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055572.D

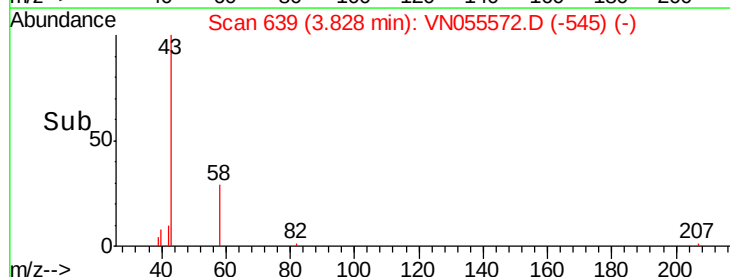
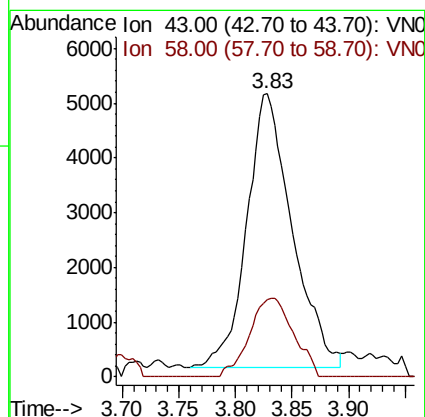
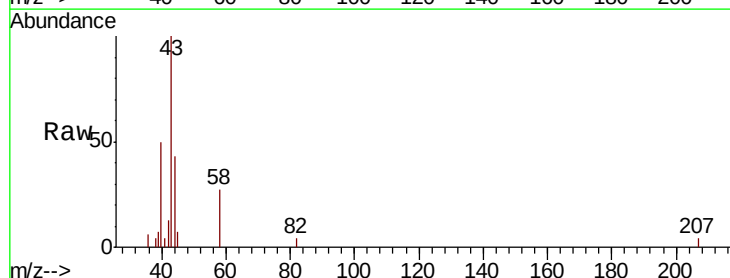
Acq: 13 May 2019 12:03

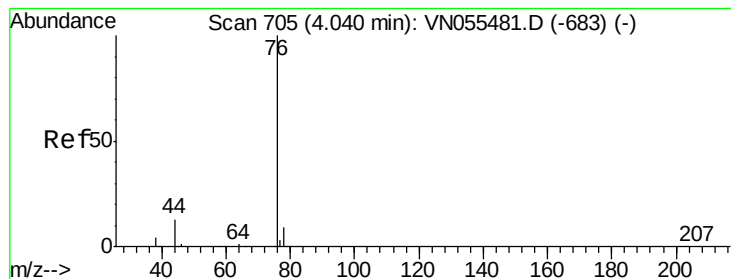
Tgt Ion: 43 Resp: 13844

Ion Ratio Lower Upper

43 100

58 28.2 24.2 36.2





#17

Carbon Disulfide

Concen: 0.287 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.01 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

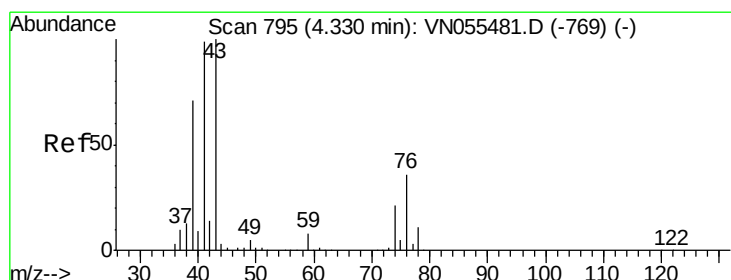
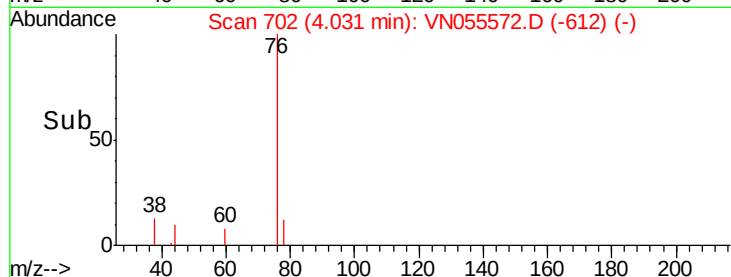
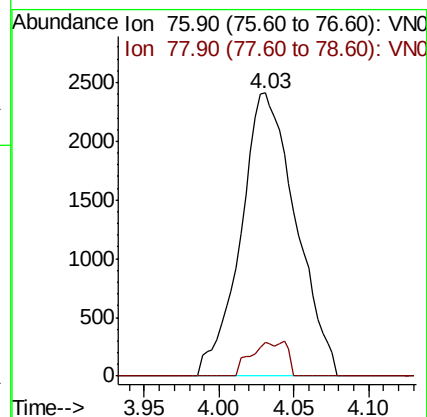
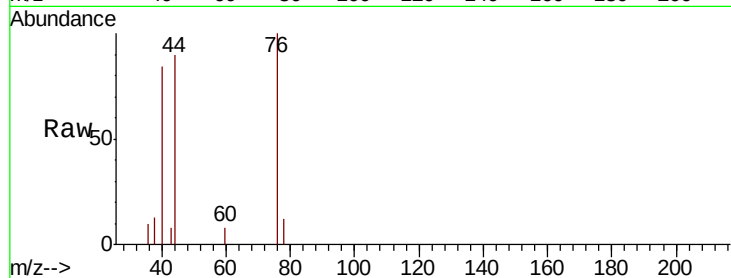
P026-SS008-0002-01MERE

Tot Ion: 76 Resp: 6179

Ion Ratio Lower Upper

76 100

78 12.0 7.4 11.0#



#18

Methyl Acetate

Concen: 4.027 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055572.D

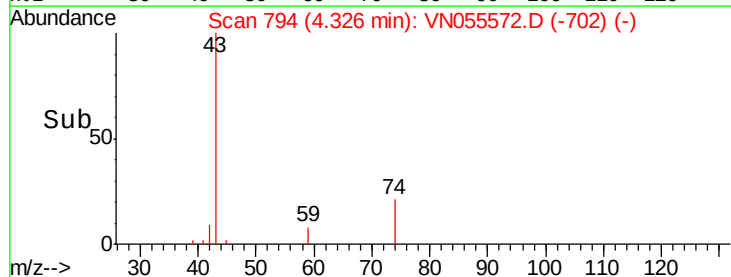
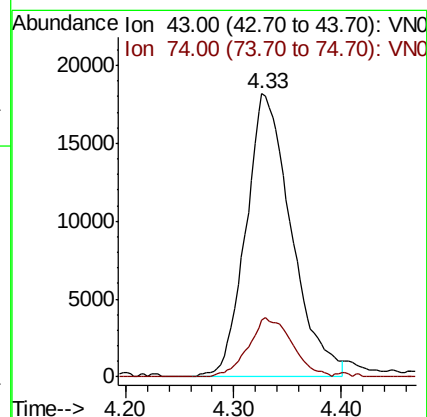
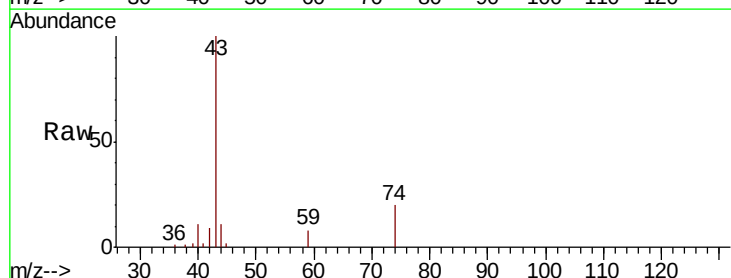
Acq: 13 May 2019 12:03

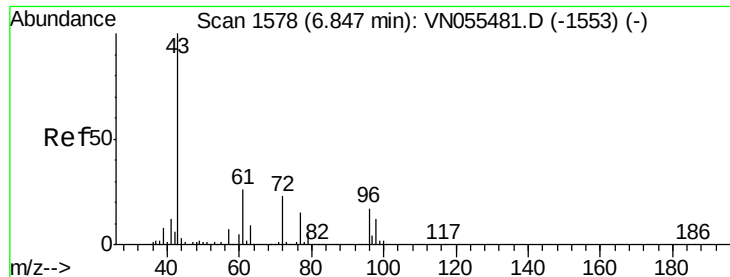
Tgt Ion: 43 Resp: 53271

Ion Ratio Lower Upper

43 100

74 20.0 16.3 24.5





#25

2-Butanone

Concen: 0.325 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

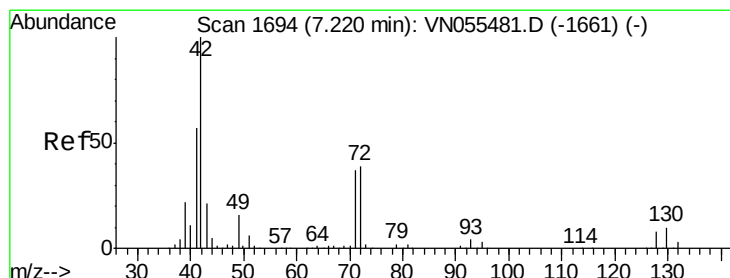
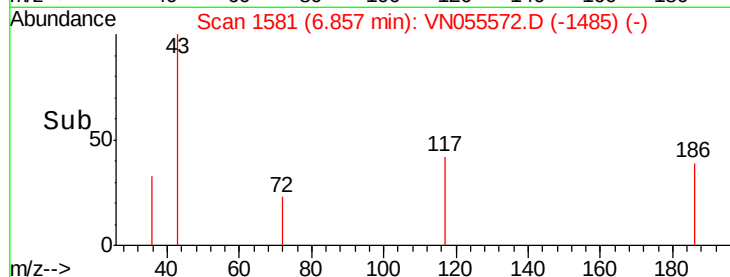
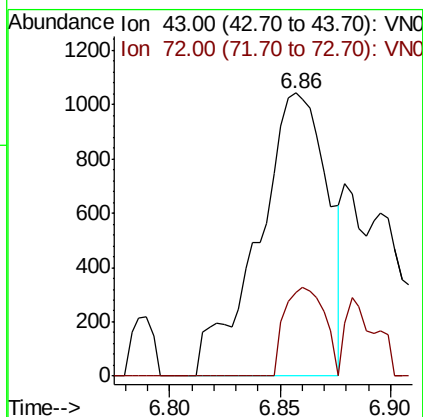
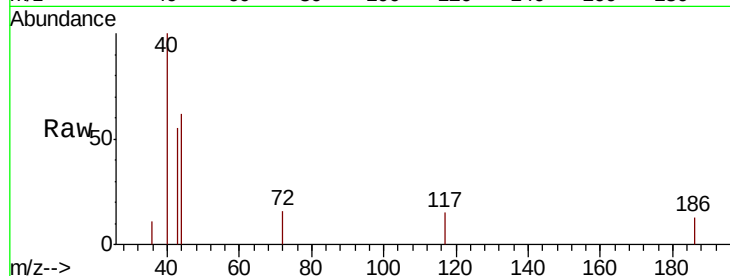
P026-SS008-0002-01MERE

Tot Ion: 43 Resp: 2261

Ion Ratio Lower Upper

43 100

72 29.4 18.6 27.8#



#29

Tetrahydrofuran

Concen: 0.213 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

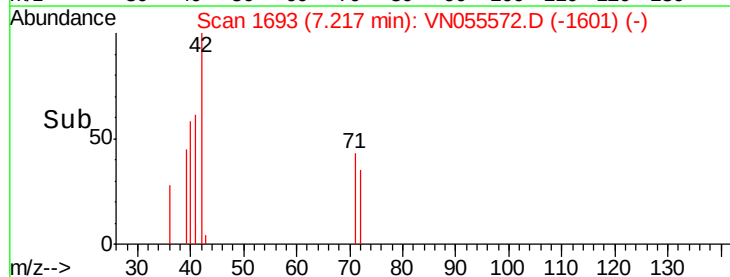
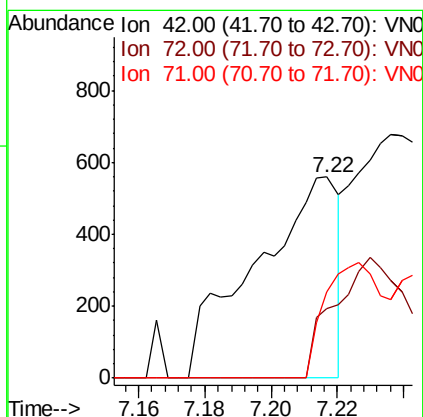
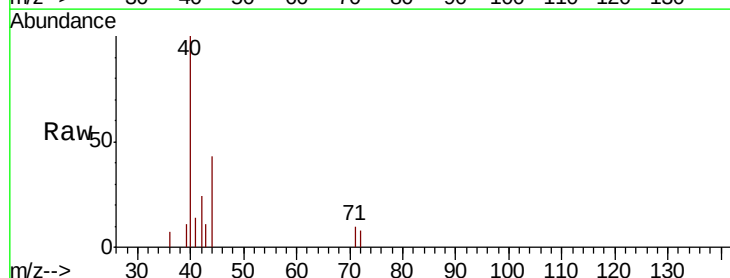
Tgt Ion: 42 Resp: 980

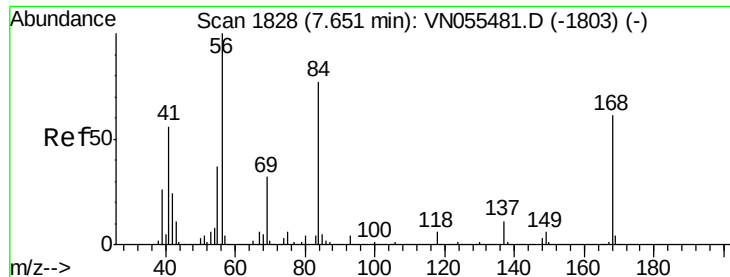
Ion Ratio Lower Upper

42 100

72 48.0 31.0 46.6#

71 40.5 29.4 44.2





#31

Cyclohexane

Concen: 0.902 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

P026-SS008-0002-01MERE

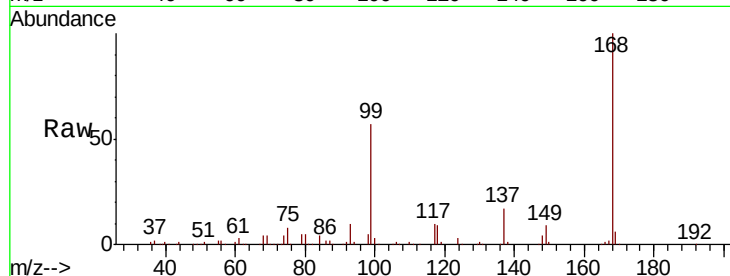
Tot Ion: 56 Resp: 15815

Ion Ratio Lower Upper

56 100

69 179.6 26.0 39.0#

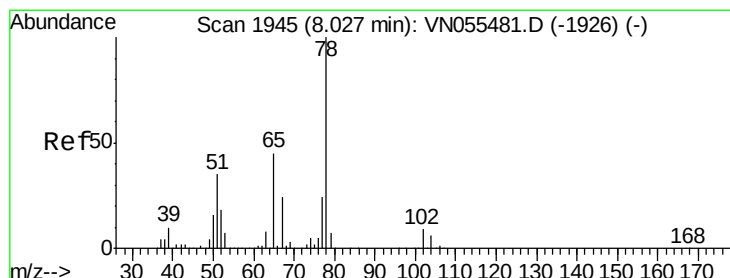
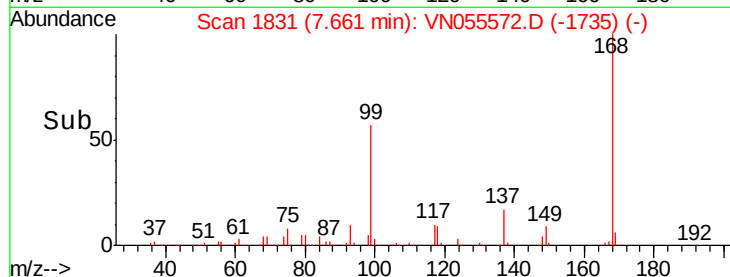
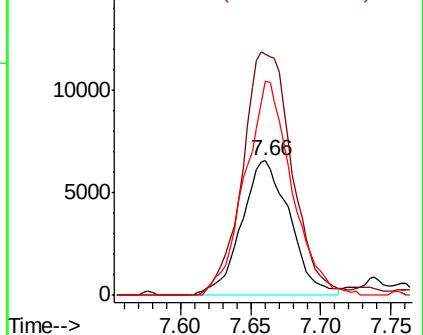
84 159.9 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 44.159 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN055572.D

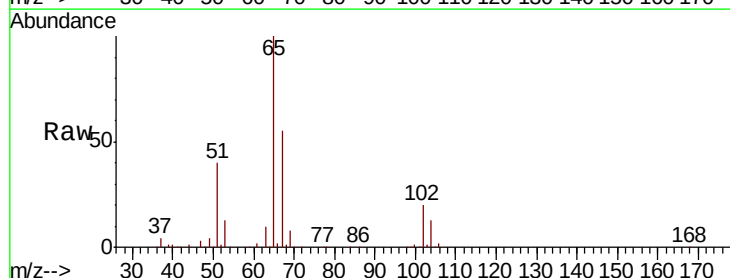
Acq: 13 May 2019 12:03

Tgt Ion: 65 Resp: 479971

Ion Ratio Lower Upper

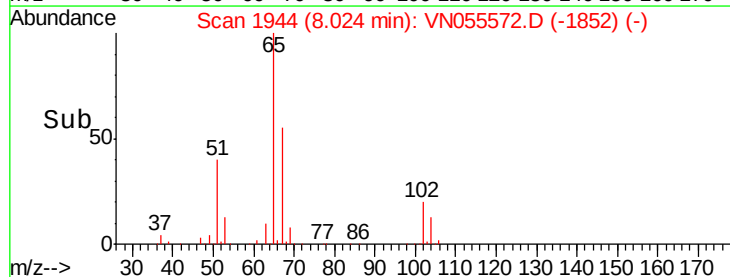
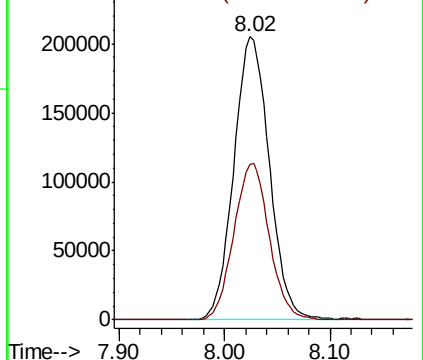
65 100

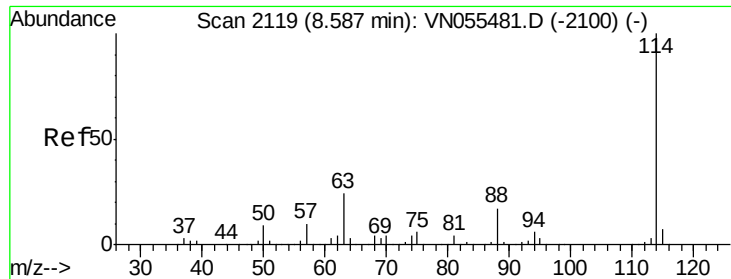
67 55.0 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

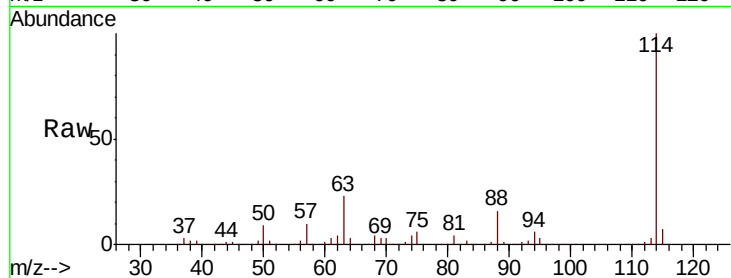




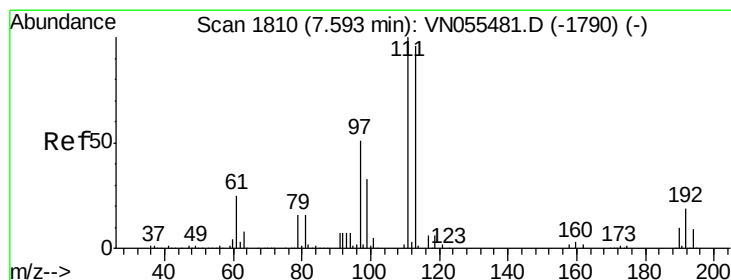
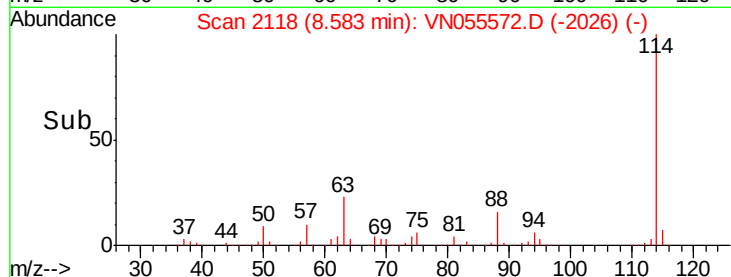
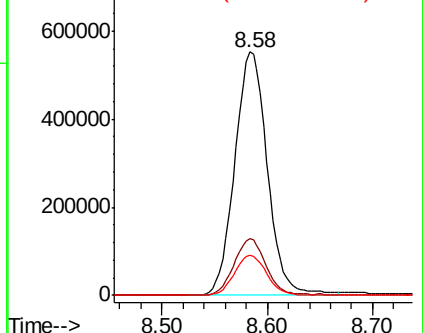
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN055572.D
Acq: 13 May 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
P026-SS008-0002-01MERE

Tot Ion:114 Resp: 1188130
Ion Ratio Lower Upper
114 100
63 23.3 0.0 47.4
88 16.4 0.0 34.0

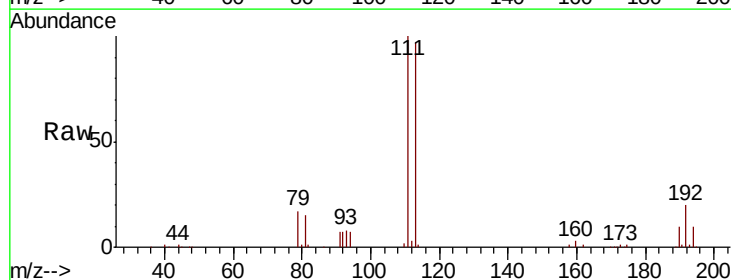


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

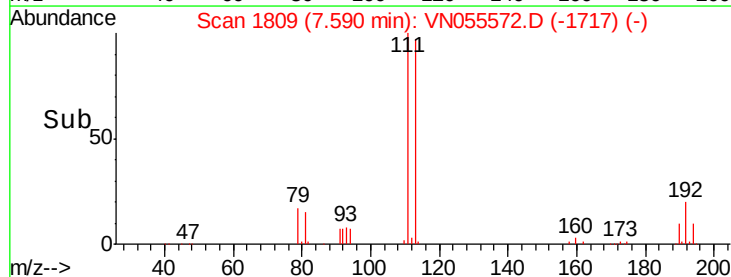
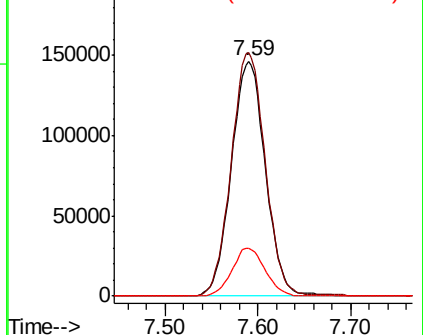


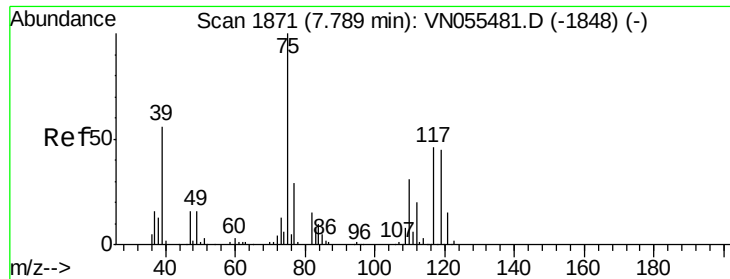
#35
Dibromofluoromethane
Concen: 48.649 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055572.D
Acq: 13 May 2019 12:03

Tgt Ion:113 Resp: 372868
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 19.8 15.6 23.4



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

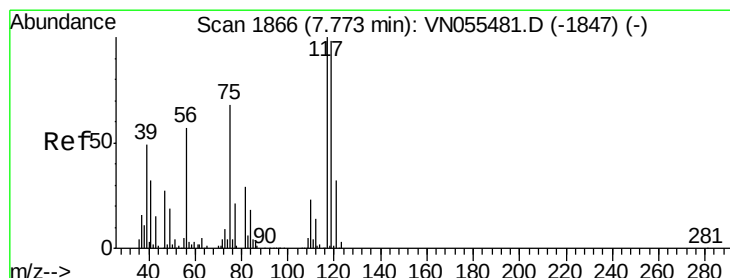
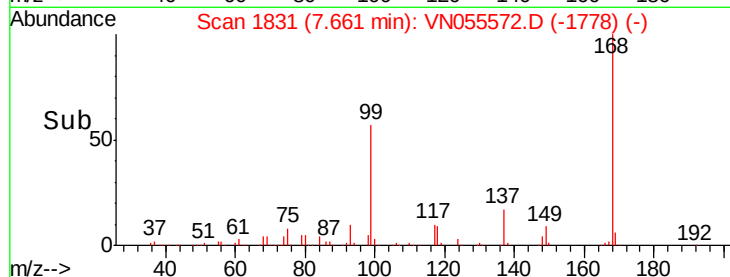
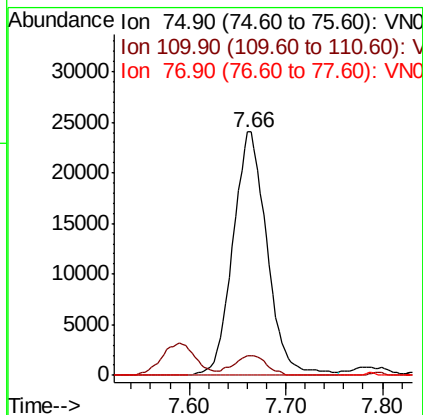
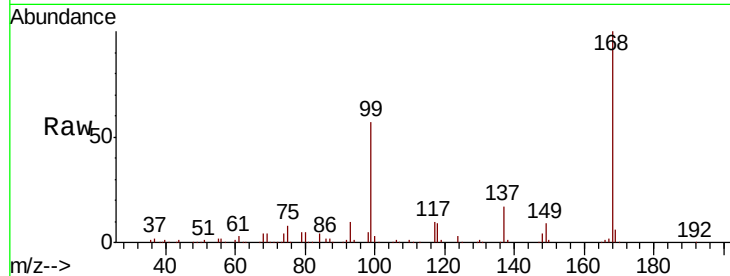




#36
 1,1-Dichloropropene
 Concen: 5.030 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055572.D
 Acq: 13 May 2019 12:03

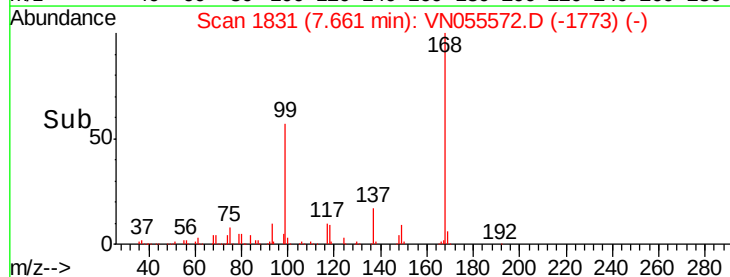
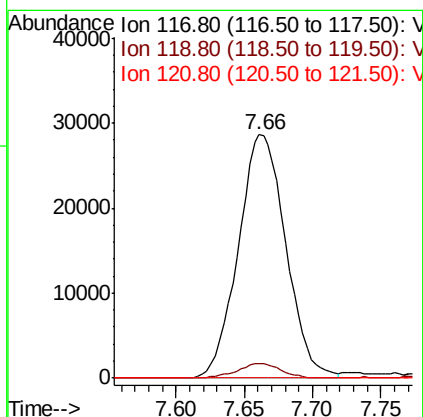
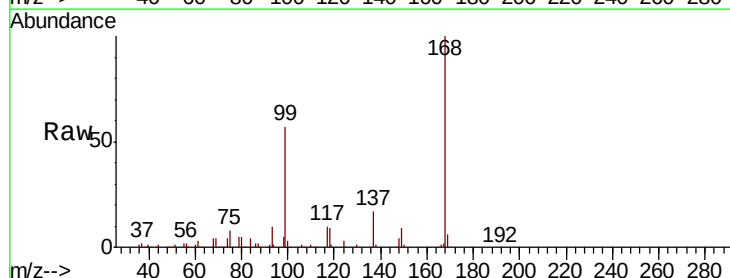
Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS008-0002-01MERE

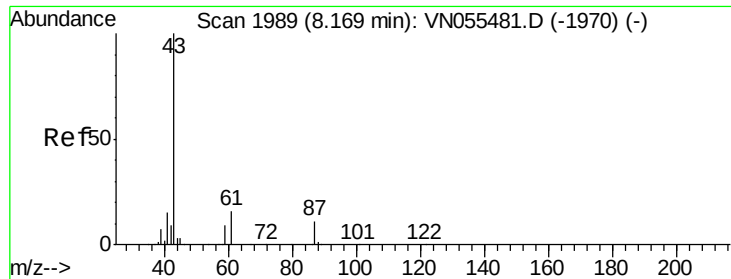
Tot Ion: 75 Resp: 58873
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.1 48.3#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.009 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN055572.D
 Acq: 13 May 2019 12:03

Tgt Ion: 117 Resp: 69087
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.8 116.6#
 121 0.0 25.2 37.8#





#43

Isopropyl Acetate

Concen: 0.727 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.12 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

P026-SS008-0002-01MERE

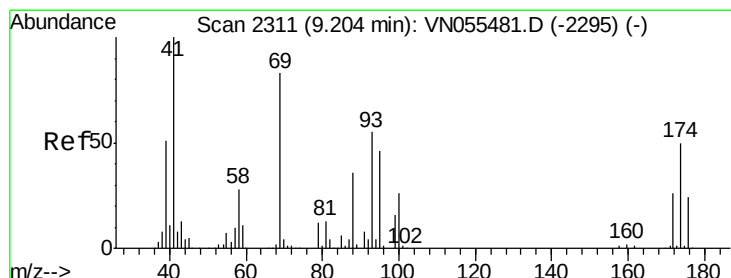
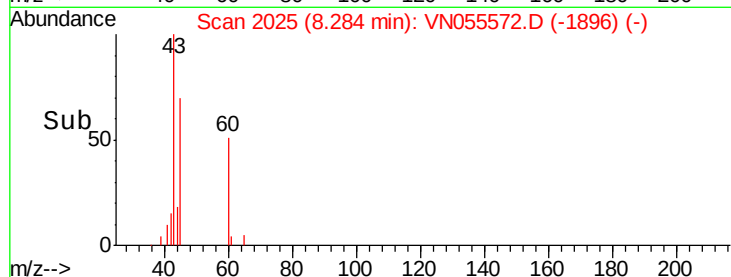
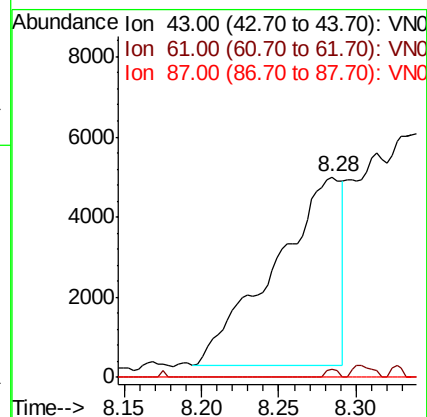
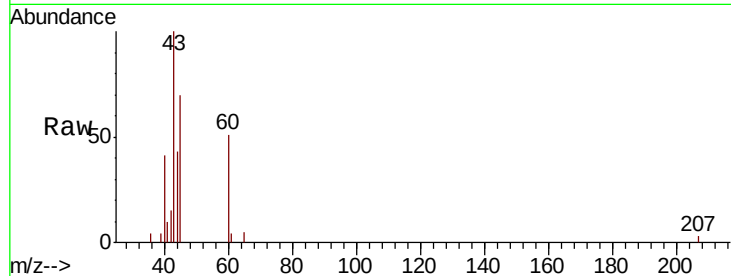
Tot Ion: 43 Resp: 14095

Ion Ratio Lower Upper

43 100

61 1.9 15.1 22.7#

87 0.0 9.0 13.6#



#49

1,4-Dioxane

Concen: 3.349 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

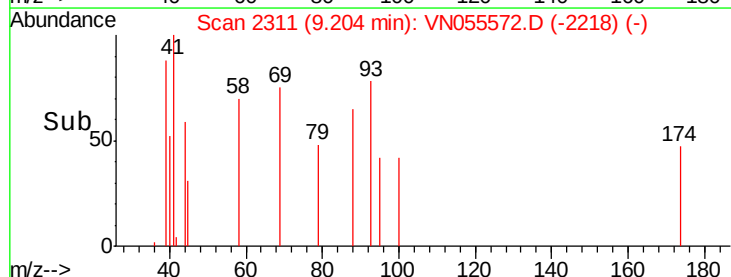
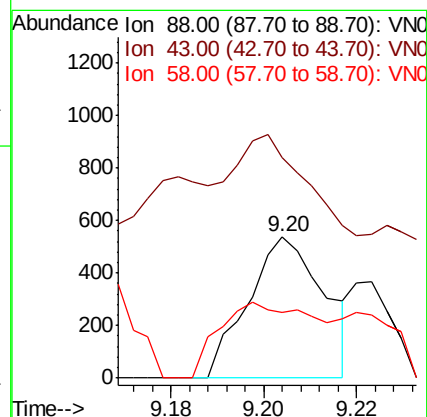
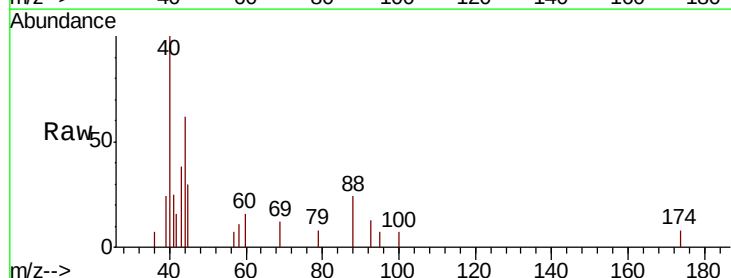
Tgt Ion: 88 Resp: 610

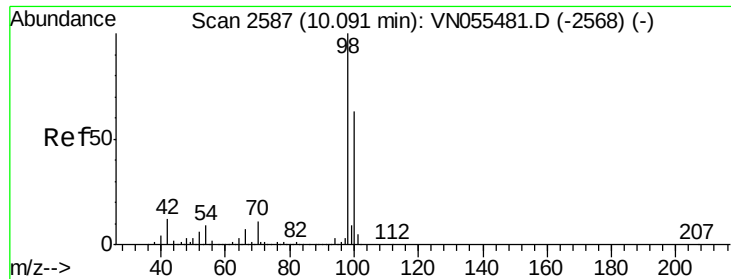
Ion Ratio Lower Upper

88 100

43 66.9 27.8 41.8#

58 66.7 61.8 92.6#





#50

Toluene-d8

Concen: 48.891 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

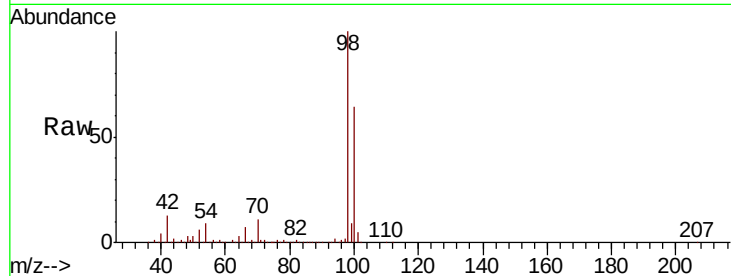
P026-SS008-0002-01MERE

Tot Ion: 98 Resp: 1460243

Ion Ratio Lower Upper

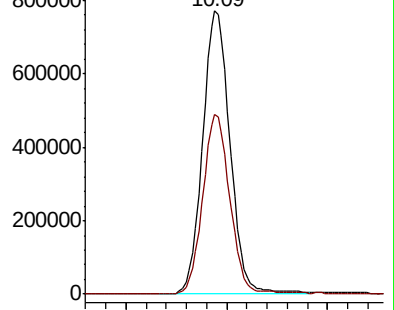
98 100

100 63.2 50.4 75.6

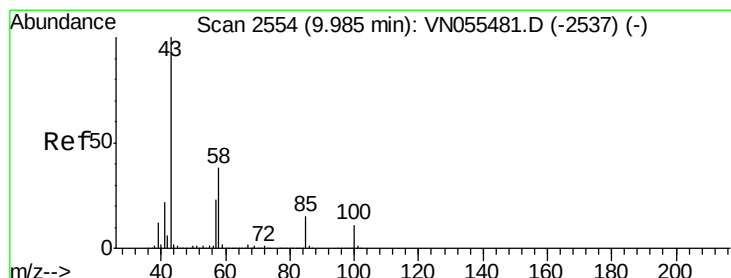
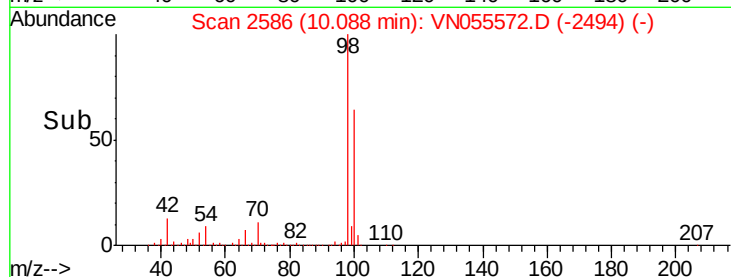


Abundance Ion 98.00 (97.70 to 98.70): VN055481.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN055481.D (-2568) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.457 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055572.D

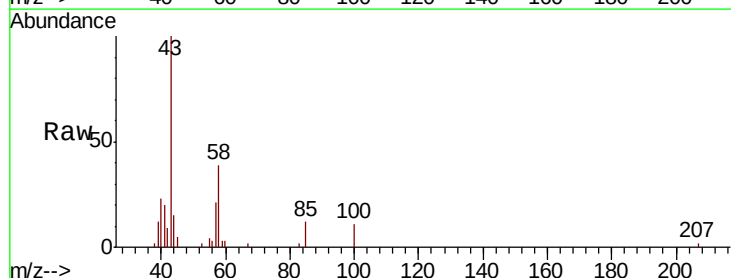
Acq: 13 May 2019 12:03

Tgt Ion: 43 Resp: 18591

Ion Ratio Lower Upper

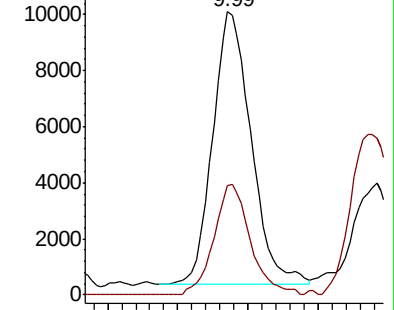
43 100

58 38.4 29.9 44.9

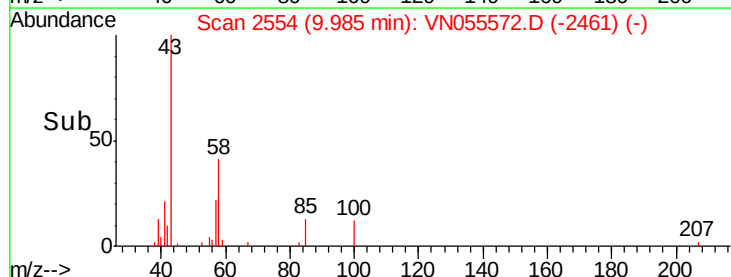


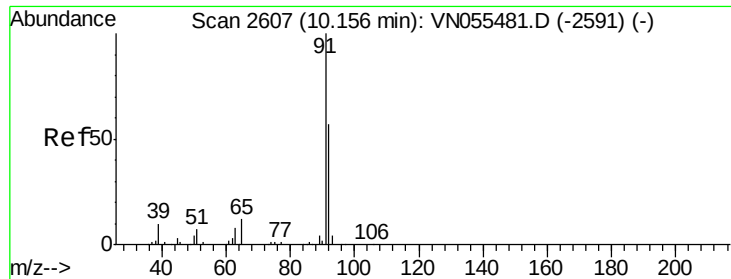
Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2537) (-)



Time-->





#52

Toluene

Concen: 0.273 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

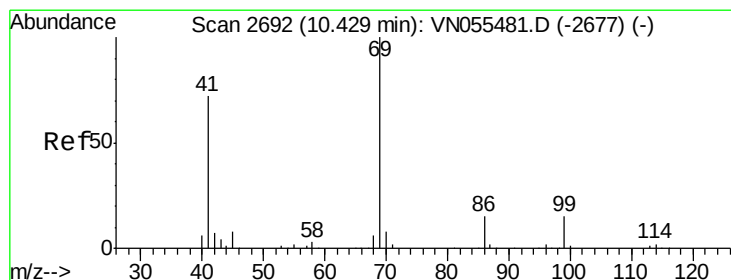
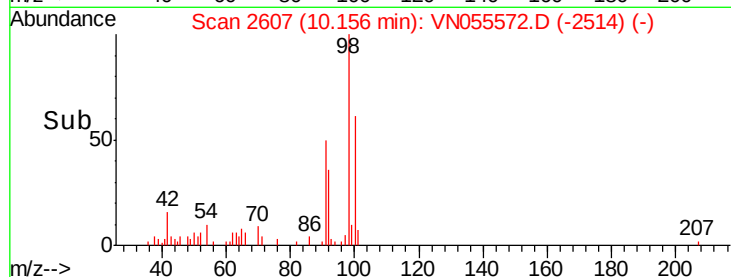
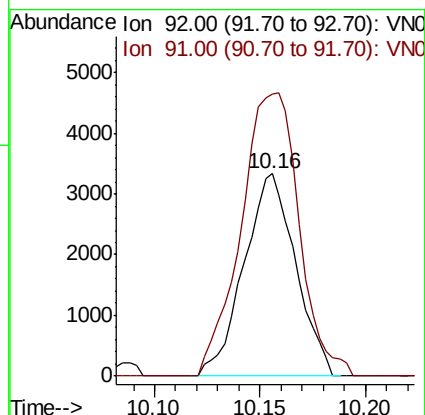
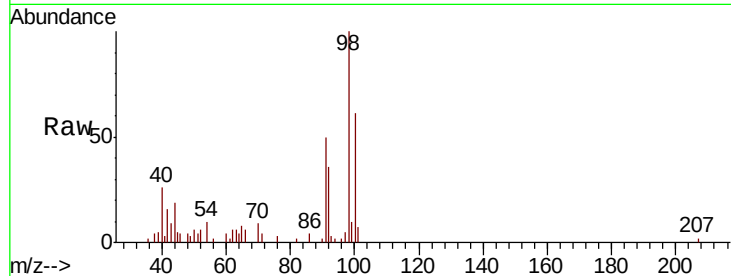
P026-SS008-0002-01MERE

Tot Ion: 92 Resp: 5670

Ion Ratio Lower Upper

92 100

91 158.1 140.5 210.7



#56

Ethyl methacrylate

Concen: 0.263 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

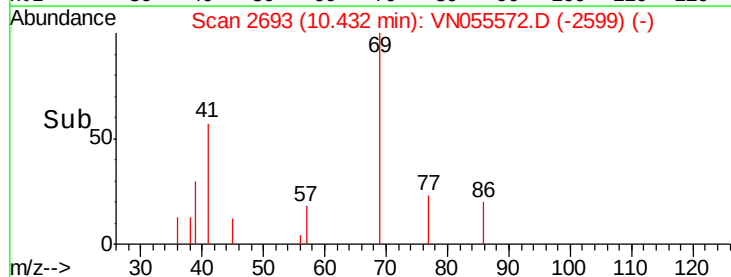
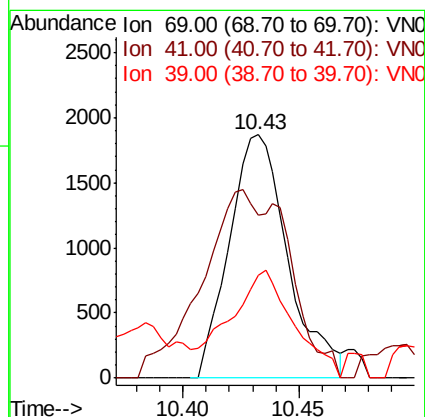
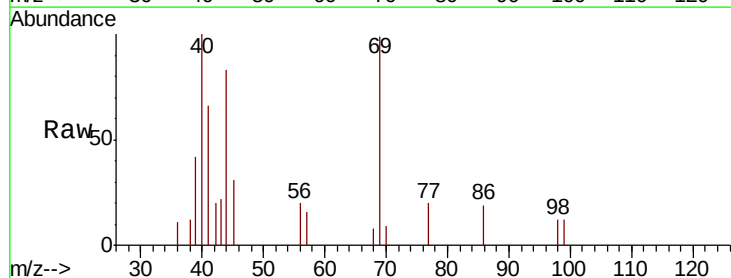
Tgt Ion: 69 Resp: 3296

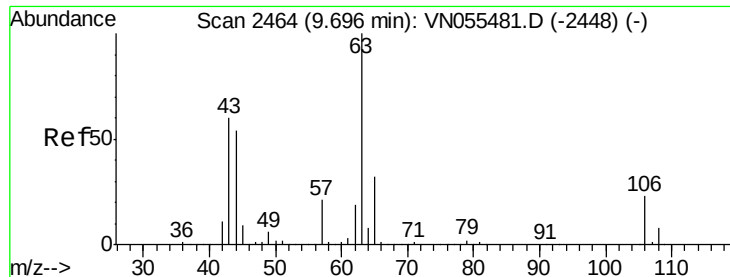
Ion Ratio Lower Upper

69 100

41 73.3 56.2 84.2

39 49.3 27.8 41.6#





#58

2-Chloroethyl Vinyl ether

Concen: 12.565 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.01 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

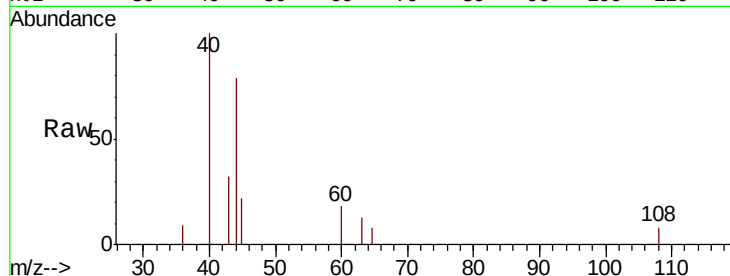
P026-SS008-0002-01MERE

Tot Ion: 63 Resp: 235

Ion Ratio Lower Upper

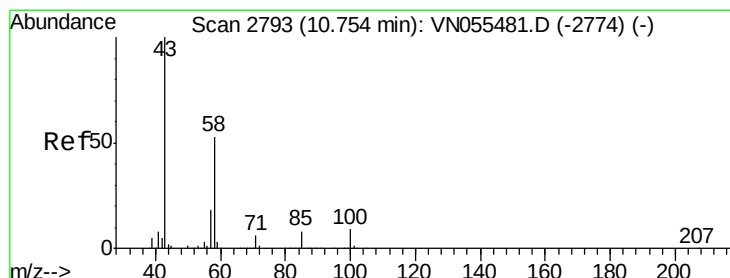
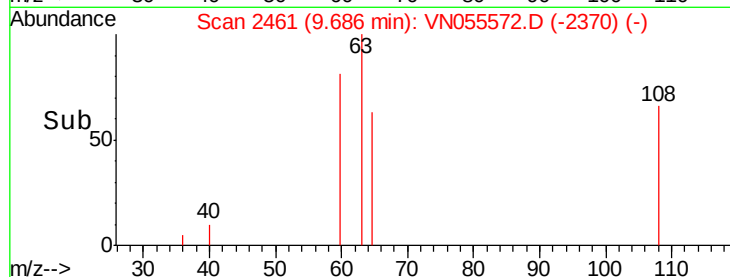
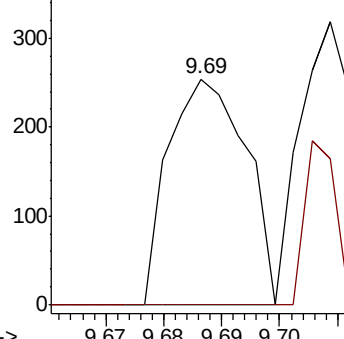
63 100

106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 3.631 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN055572.D

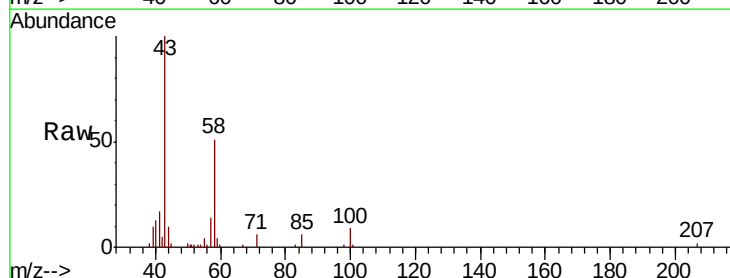
Acq: 13 May 2019 12:03

Tgt Ion: 43 Resp: 32491

Ion Ratio Lower Upper

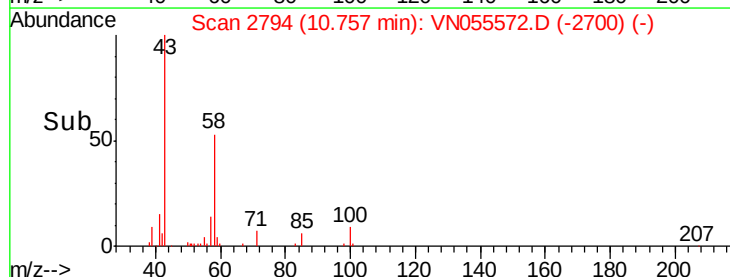
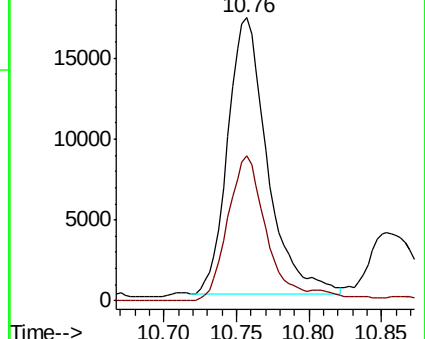
43 100

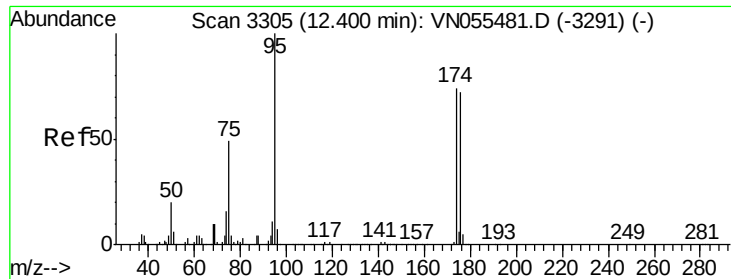
58 49.9 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

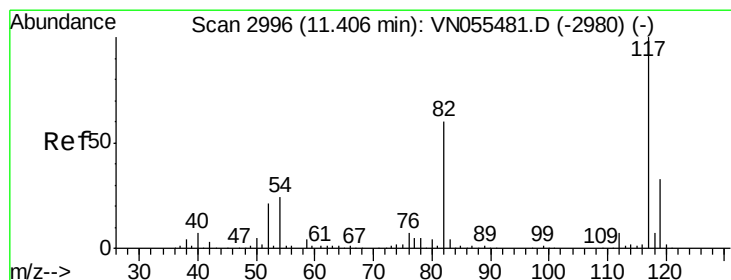
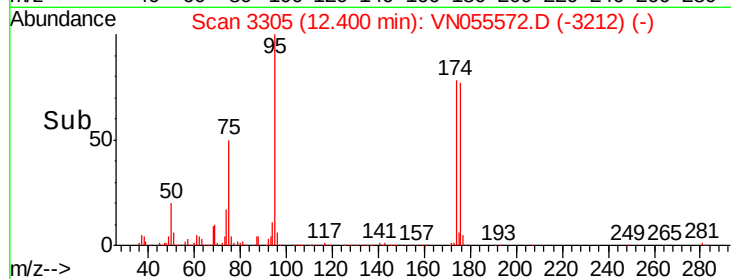
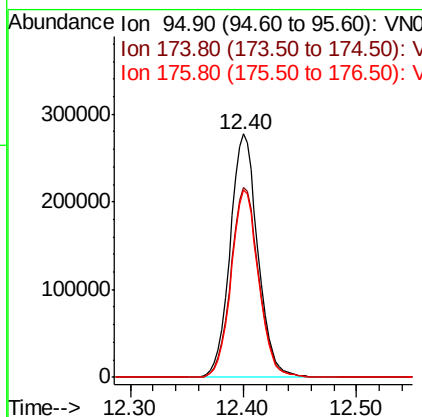
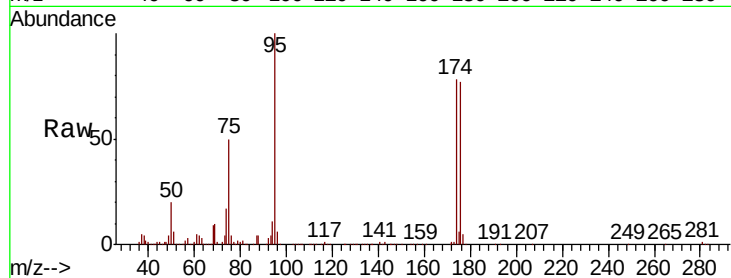




#62
4-Bromofluorobenzene
Concen: 46.955 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055572.D
Acq: 13 May 2019 12:03

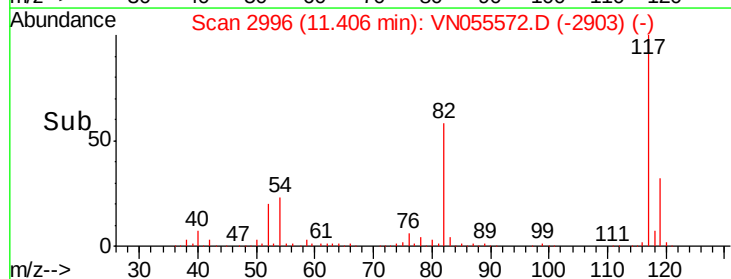
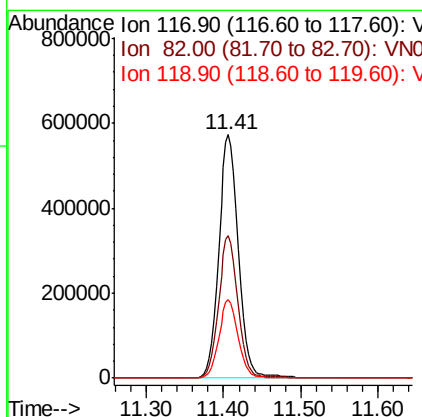
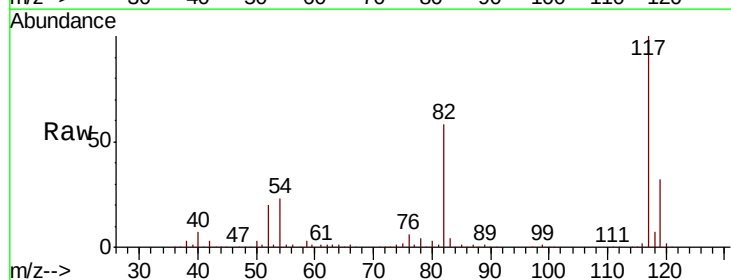
Instrument :
MSVOA_N
ClientSampleId :
P026-SS008-0002-01MERE

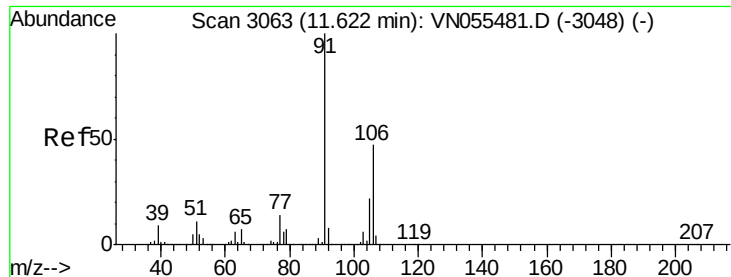
Tot Ion: 95 Resp: 472873
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.2
176 76.0 0.0 147.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055572.D
Acq: 13 May 2019 12:03

Tgt Ion: 117 Resp: 1017209
Ion Ratio Lower Upper
117 100
82 58.5 48.0 72.0
119 32.2 26.0 39.0

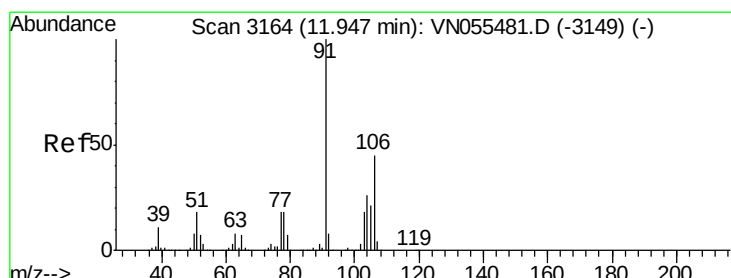
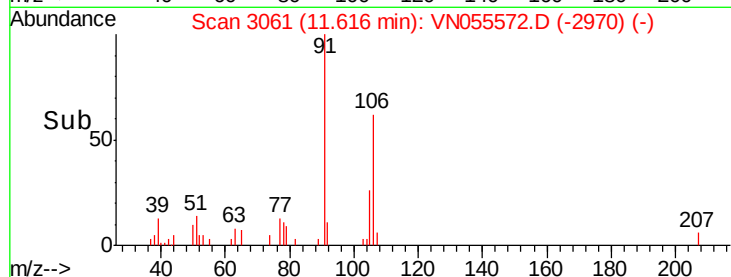
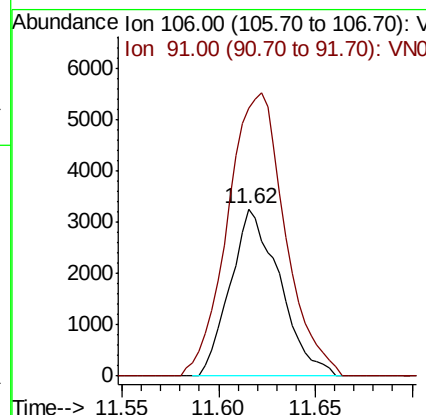
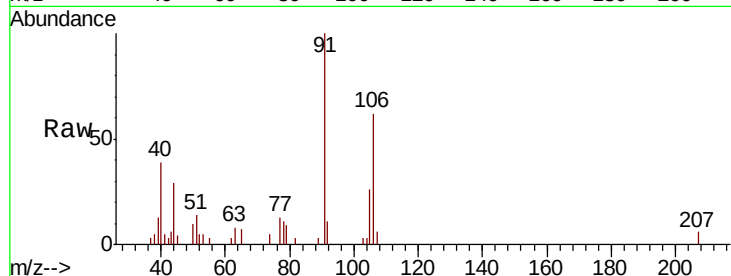




#68
m/p-Xylenes
Concen: 0.412 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN055572.D
Acq: 13 May 2019 12:03

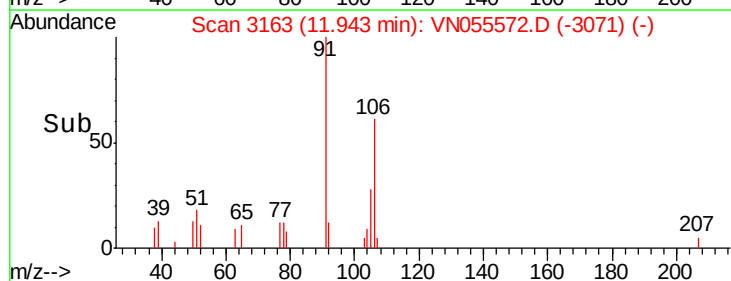
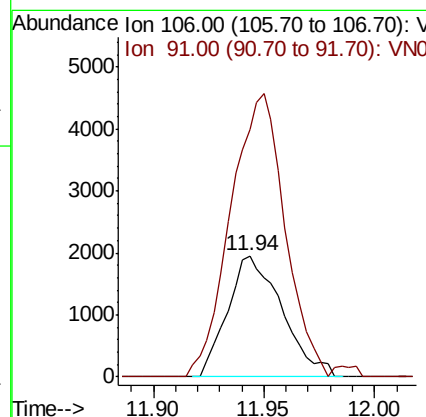
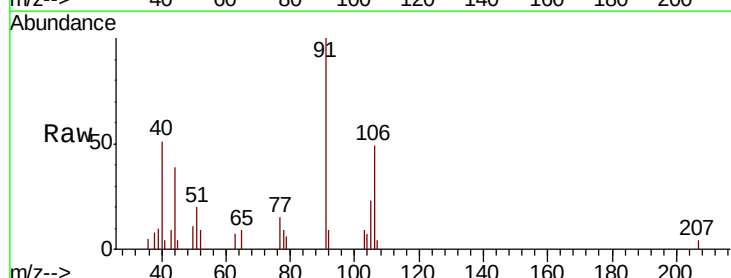
Instrument :
MSVOA_N
ClientSampleId :
P026-SS008-0002-01MERE

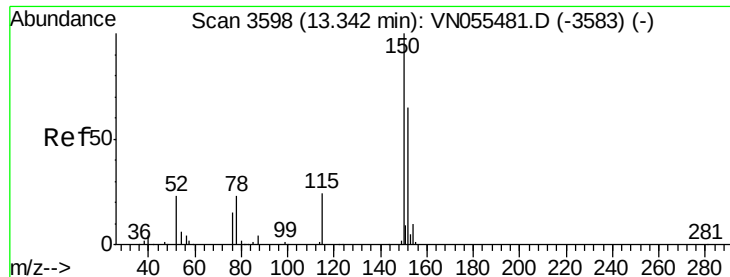
Tot Ion:106 Resp: 5810
Ion Ratio Lower Upper
106 100
91 196.4 169.2 253.8



#69
o-Xylene
Concen: 0.241 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055572.D
Acq: 13 May 2019 12:03

Tgt Ion:106 Resp: 3343
Ion Ratio Lower Upper
106 100
91 233.4 111.3 333.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

P026-SS008-0002-01MERE

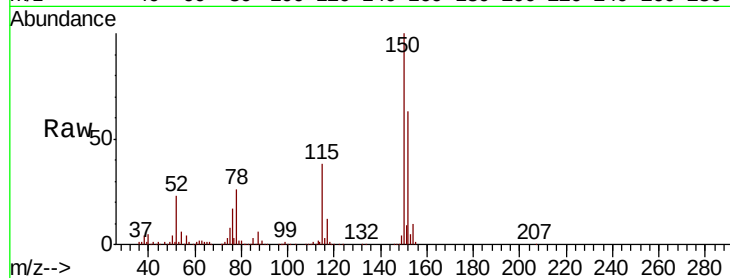
Tot Ion:152 Resp: 368790

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.5

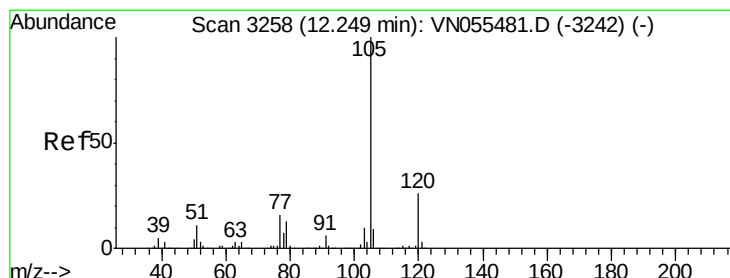
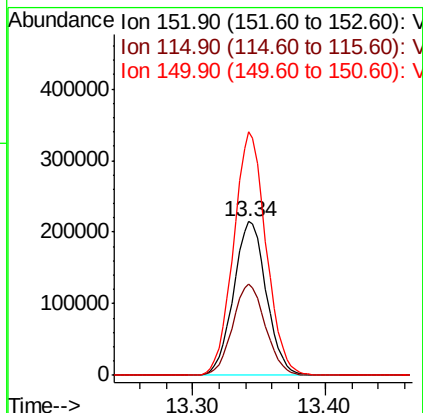
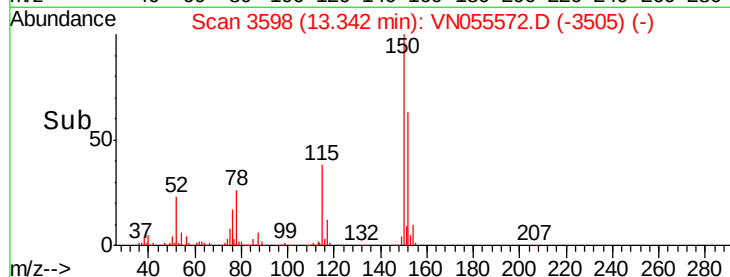
150 156.7 0.0 355.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055572.D

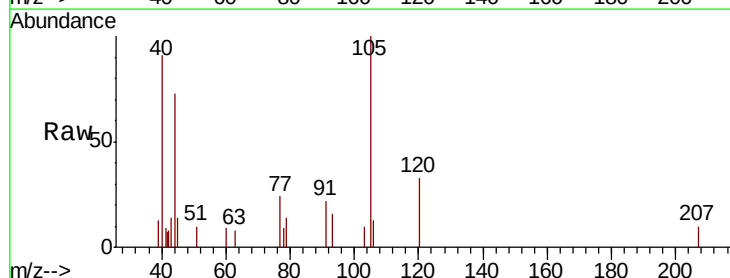
Acq: 13 May 2019 12:03

Tgt Ion:105 Resp: 3325

Ion Ratio Lower Upper

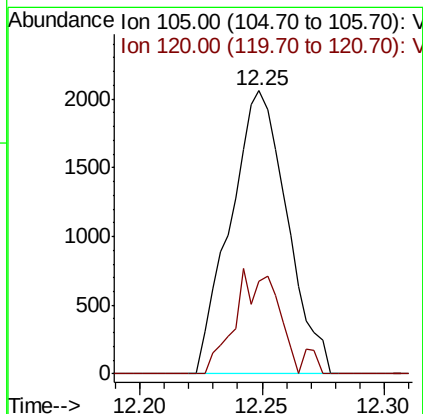
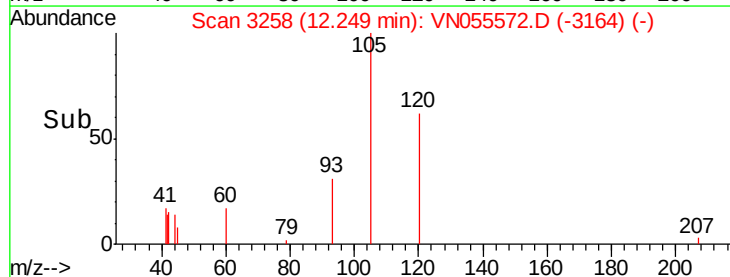
105 100

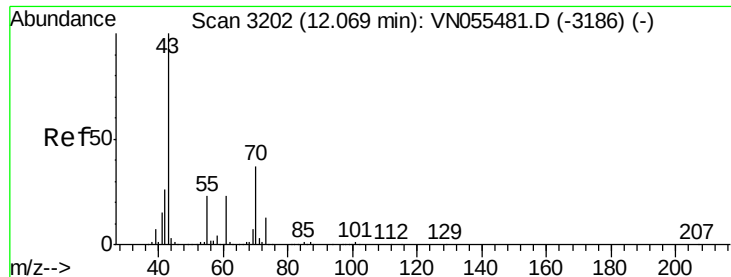
120 27.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.771 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

P026-SS008-0002-01MERE

Tot Ion: 43 Resp: 10800

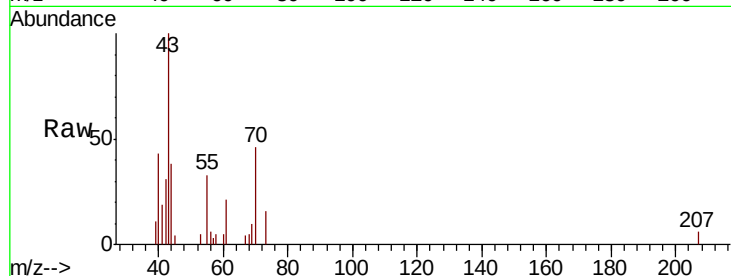
Ion Ratio Lower Upper

43 100

70 39.1 30.7 46.1

55 29.6 19.3 28.9#

61 18.0 18.6 27.8#

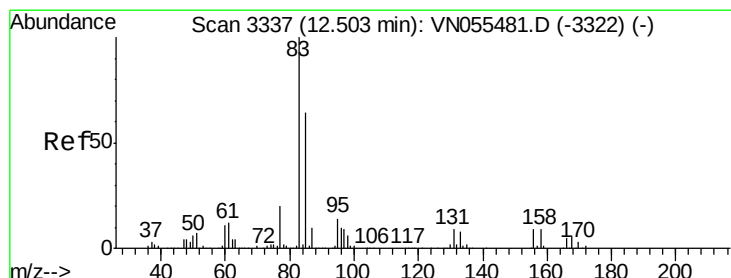
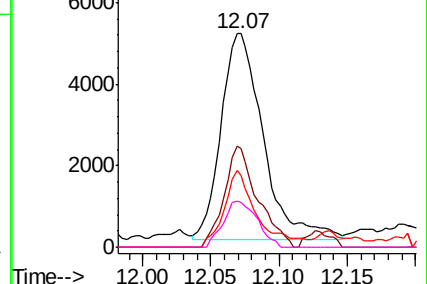
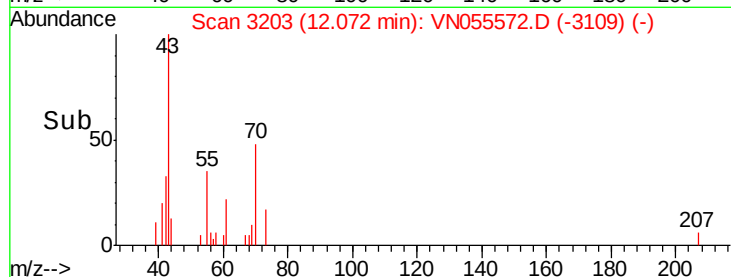


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

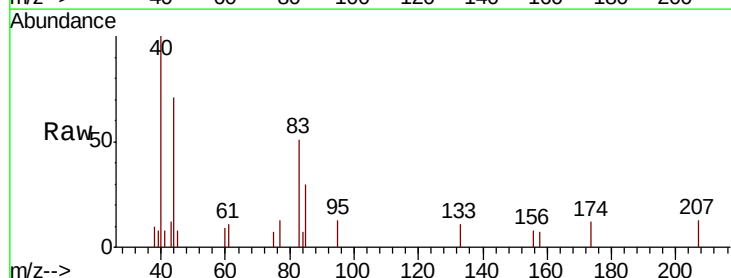
Tgt Ion: 83 Resp: 2046

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

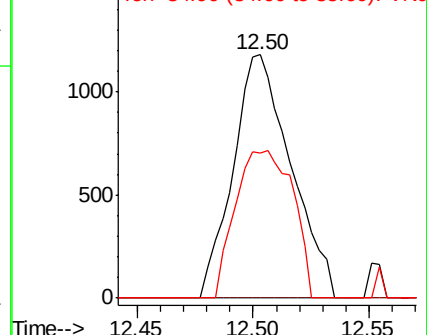
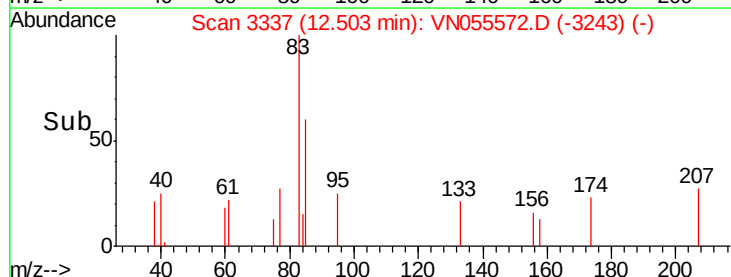
85 60.1 32.0 96.0

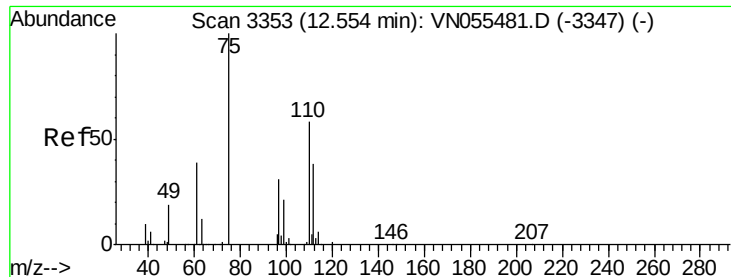


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 23.467 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

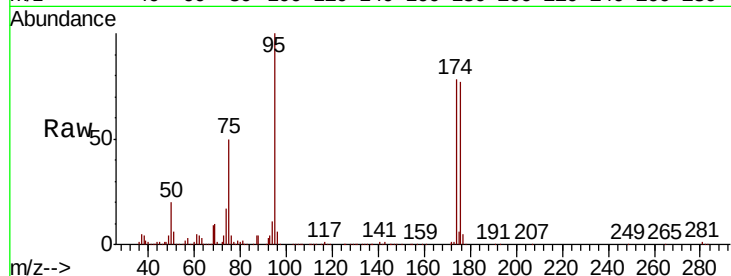
P026-SS008-0002-01MERE

Tot Ion: 75 Resp: 235599

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055572.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055572.D (-3260) (-)

12.40

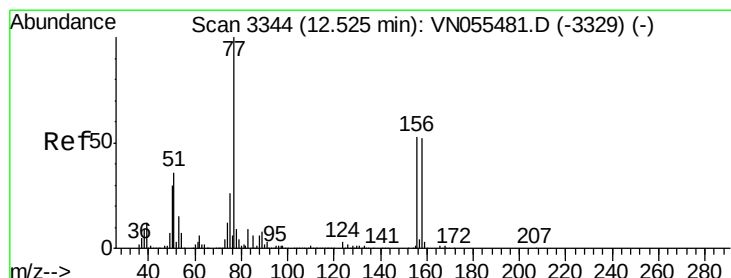
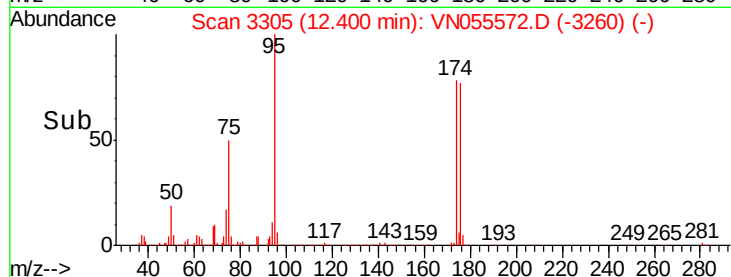
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: 0.204 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

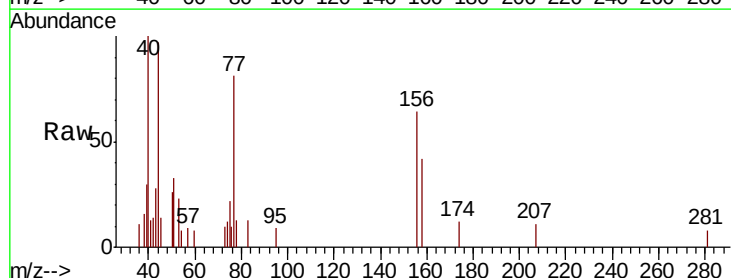
Tgt Ion: 156 Resp: 1661

Ion Ratio Lower Upper

156 100

77 213.0 115.4 346.2

158 99.0 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): VN055572.D (-3251) (-)

Ion 77.00 (76.70 to 77.70): VN055572.D (-3251) (-)

Ion 157.80 (157.50 to 158.50): VN055572.D (-3251) (-)

2000

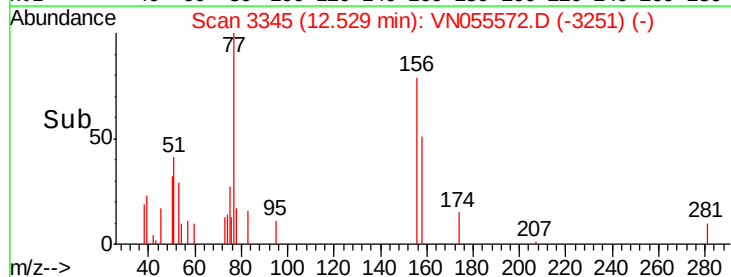
1500

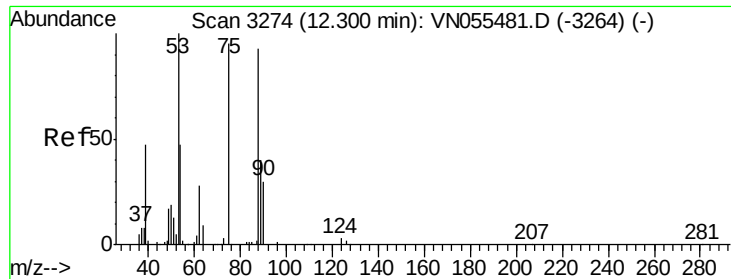
1000

500

0

Time--> 12.50 12.53 12.55





#81

trans-1,4-Dichloro-2-butene

Concen: 86.589 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

P026-SS008-0002-01MERE

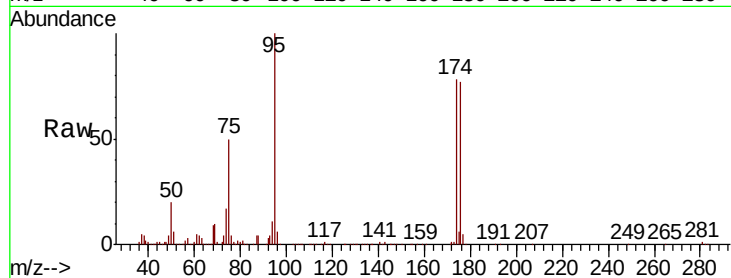
Tot Ion: 75 Resp: 235599

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

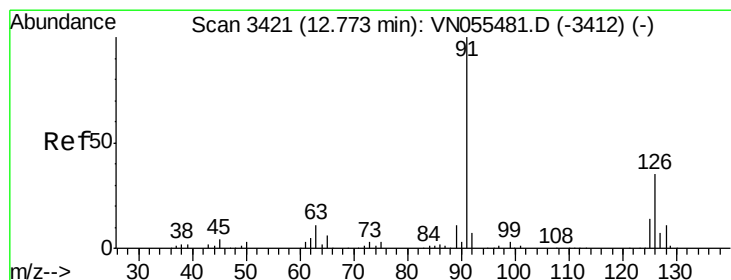
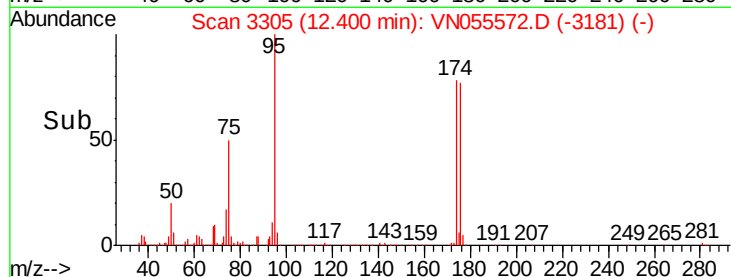
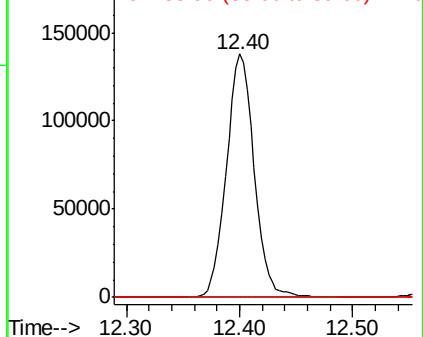
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.254 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.01 min

Lab File: VN055572.D

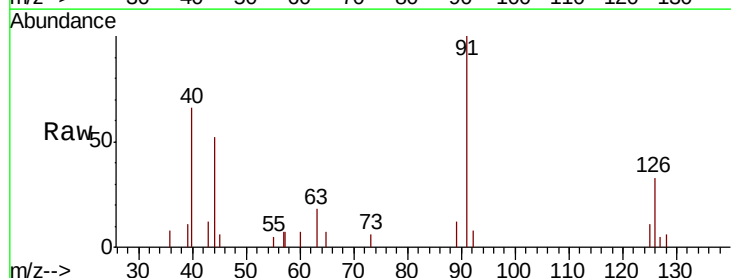
Acq: 13 May 2019 12:03

Tgt Ion: 91 Resp: 5907

Ion Ratio Lower Upper

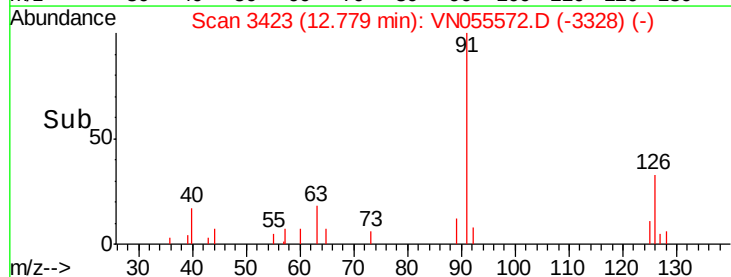
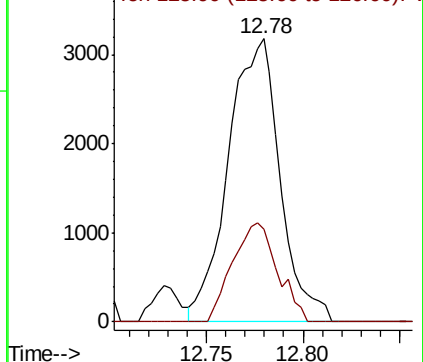
91 100

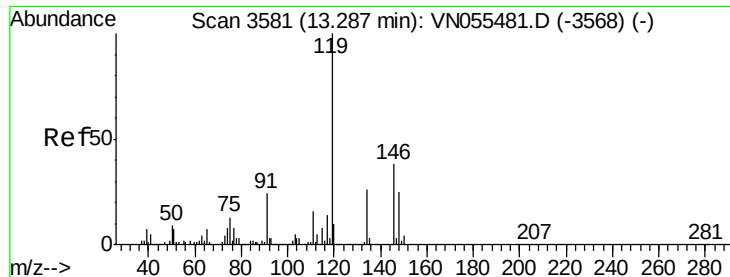
126 30.5 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#86

p-Isopropyltoluene

Concen: 0.228 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

P026-SS008-0002-01MERE

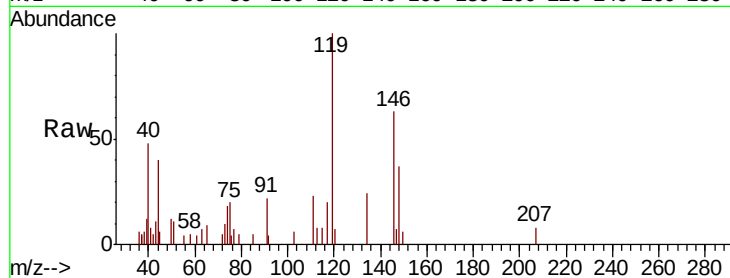
Tot Ion:119 Resp: 6246

Ion Ratio Lower Upper

119 100

134 23.7 12.8 38.4

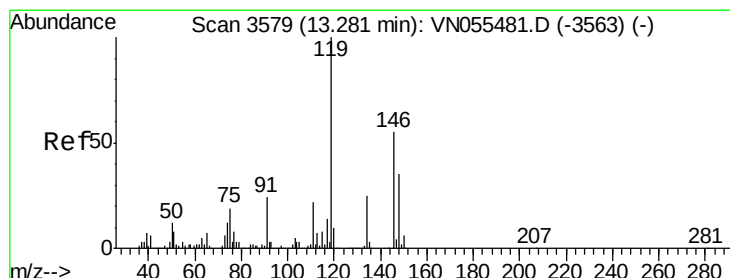
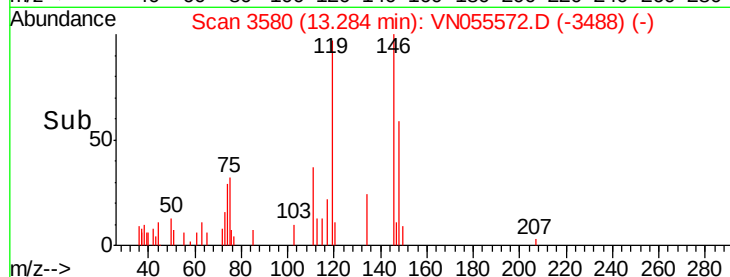
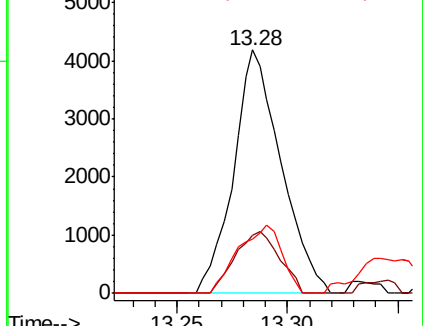
91 25.8 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 0.340 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

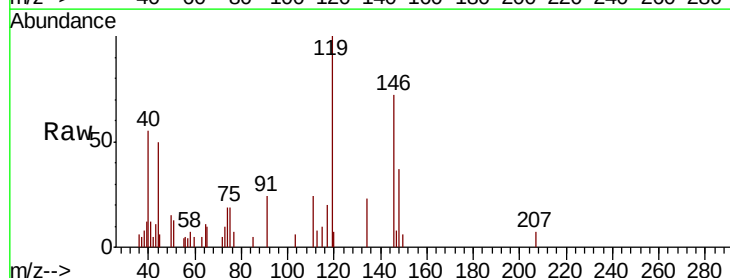
Tgt Ion:146 Resp: 4274

Ion Ratio Lower Upper

146 100

111 33.9 20.4 61.3

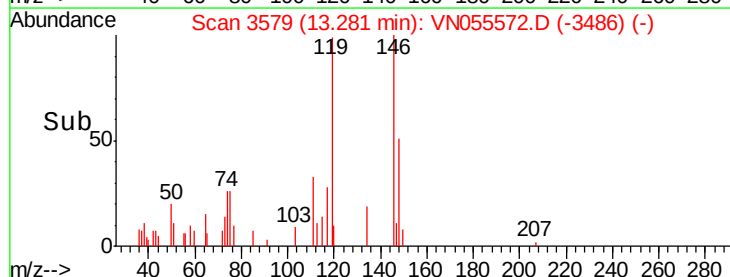
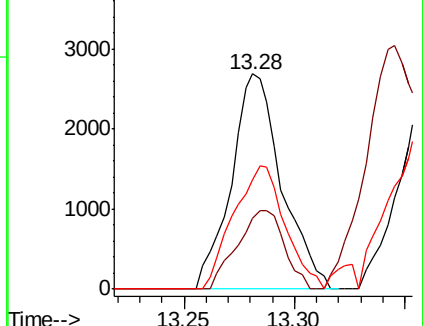
148 58.4 32.1 96.5

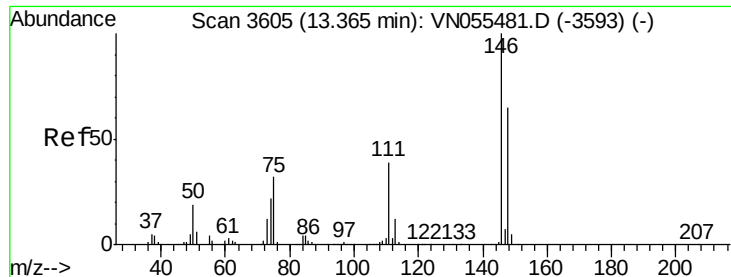


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.345 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

P026-SS008-0002-01MERE

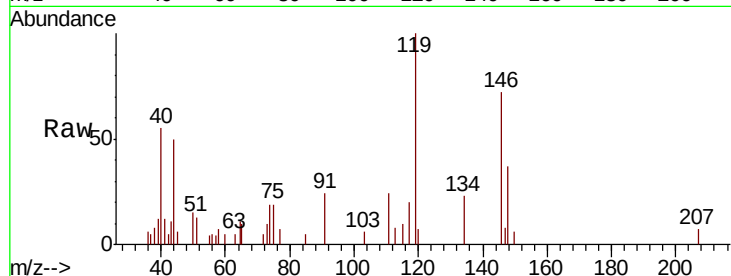
Tot Ion:146 Resp: 4274

Ion Ratio Lower Upper

146 100

111 33.9 19.6 58.8

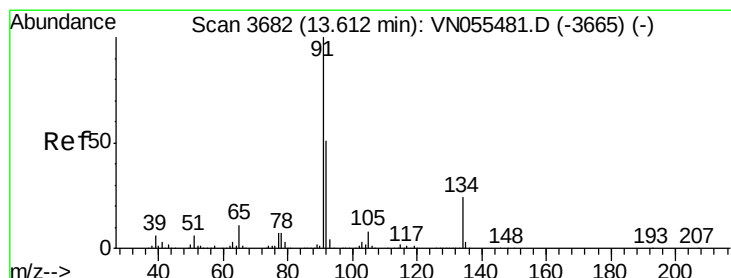
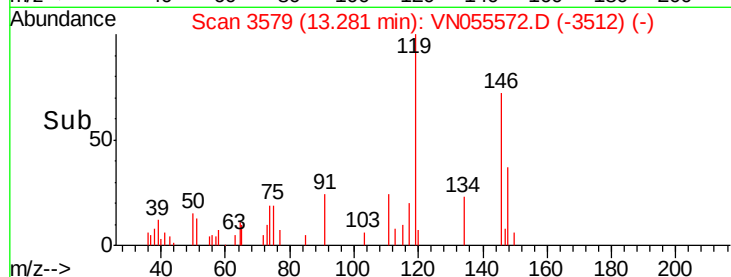
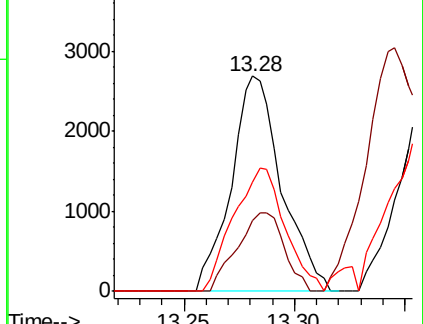
148 58.4 32.5 97.4



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



#89

n-Butylbenzene

Concen: 0.599 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

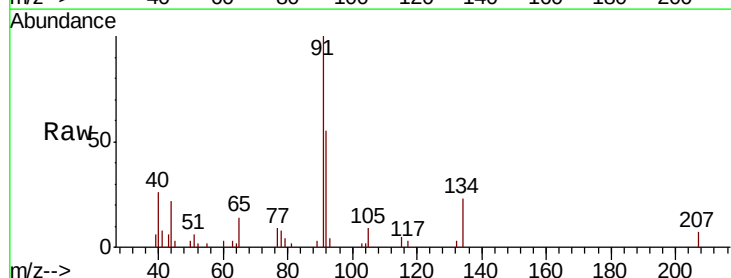
Tgt Ion: 91 Resp: 12695

Ion Ratio Lower Upper

91 100

92 49.2 25.9 77.7

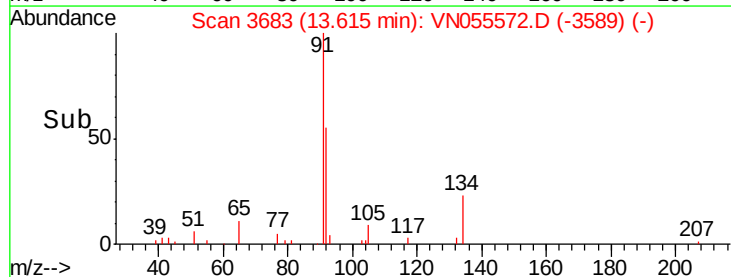
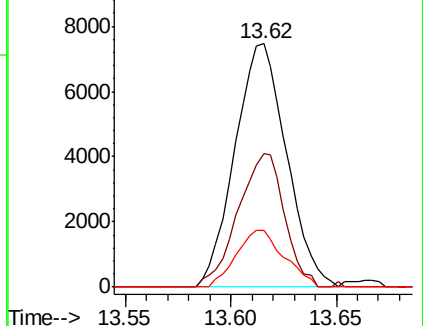
134 21.5 11.8 35.4

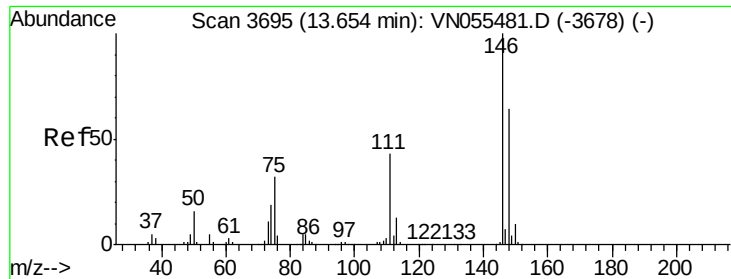


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

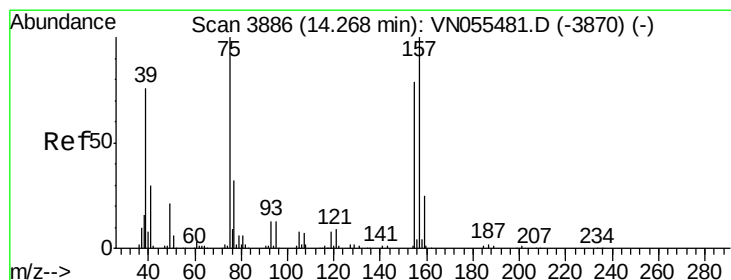
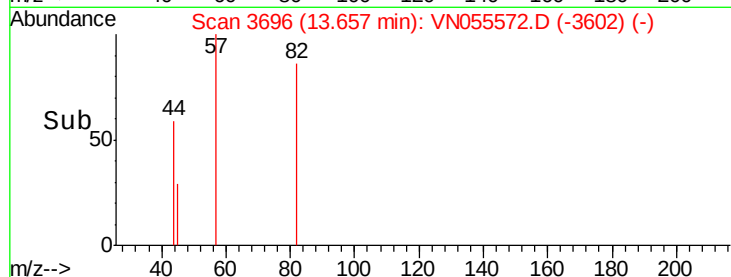
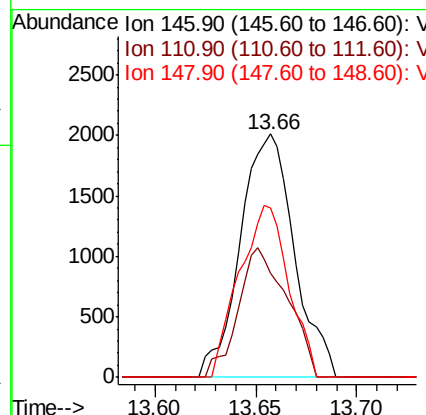
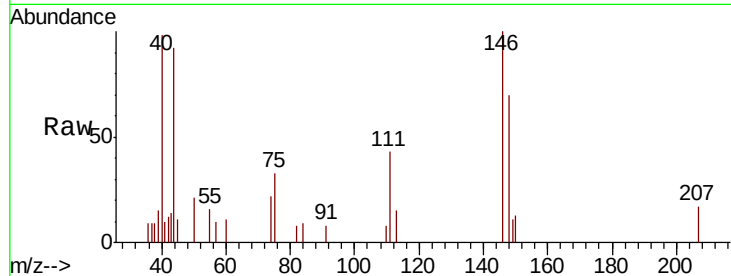




#91
 1,2-Dichlorobenzene
 Concen: 0.300 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN055572.D
 Acq: 13 May 2019 12:03

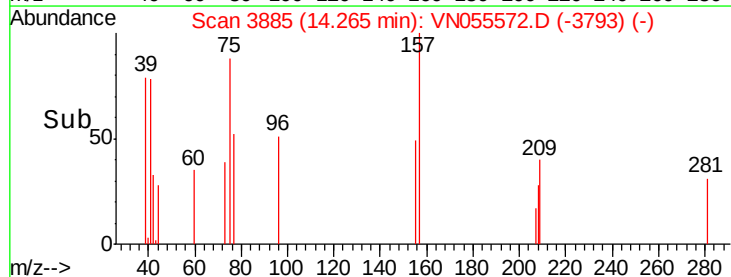
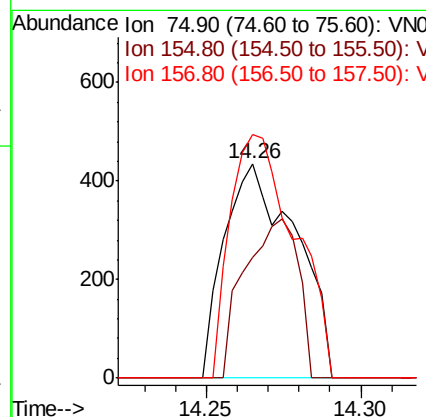
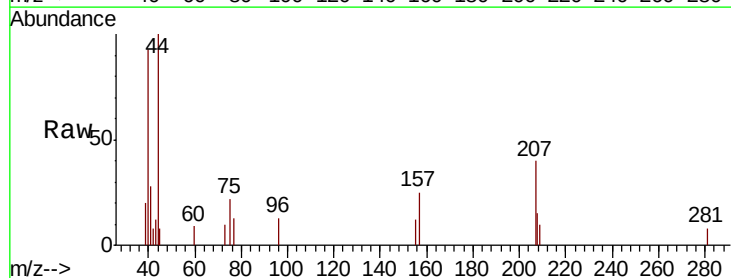
Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS008-0002-01MERE

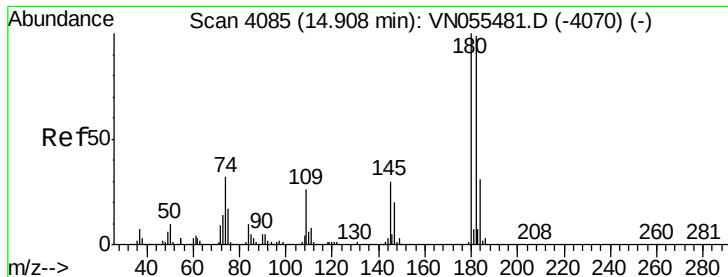
Tot Ion:146 Resp: 3762
 Ion Ratio Lower Upper
 146 100
 111 48.4 21.3 63.7
 148 64.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.414 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN055572.D
 Acq: 13 May 2019 12:03

Tgt Ion: 75 Resp: 702
 Ion Ratio Lower Upper
 75 100
 155 55.4 39.3 117.8
 157 103.0 50.6 151.8





#93

1,2,4-Trichlorobenzene

Concen: 4.186 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

P026-SS008-0002-01MERE

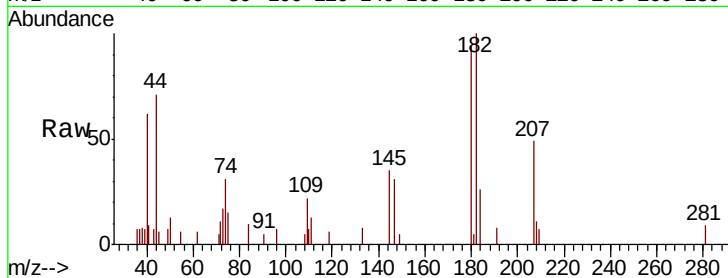
Tot Ion:180 Resp: 5725

Ion Ratio Lower Upper

180 100

182 95.1 48.7 146.1

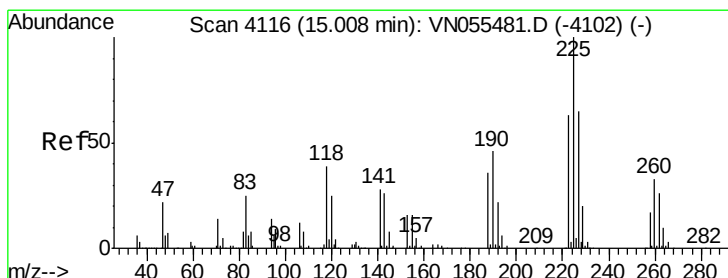
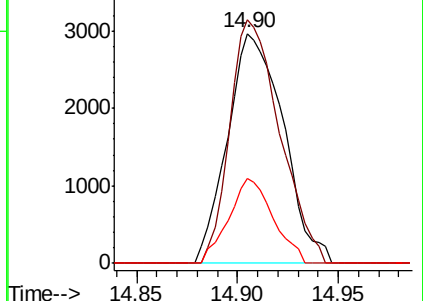
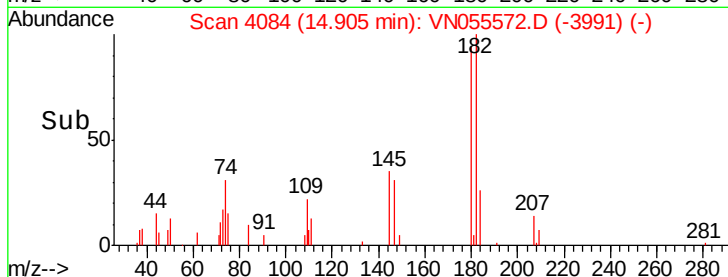
145 29.4 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

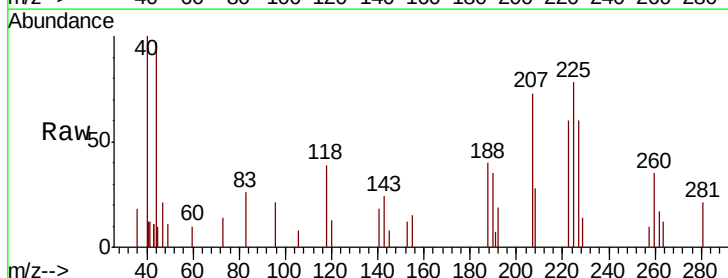
Tgt Ion:225 Resp: 2712

Ion Ratio Lower Upper

225 100

223 73.8 31.4 94.3

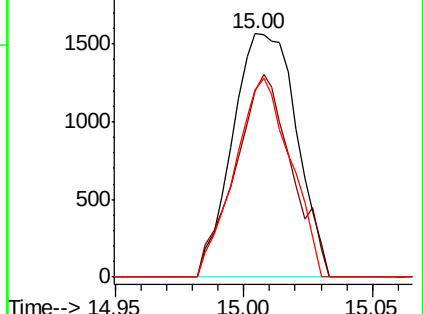
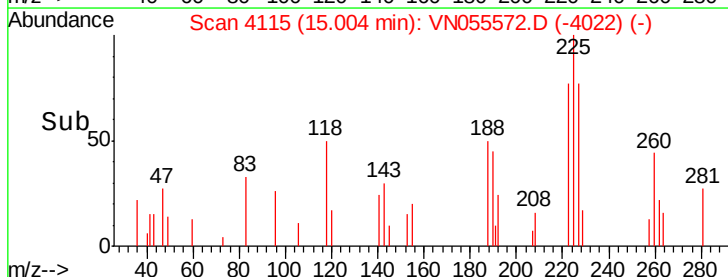
227 71.8 32.0 96.0

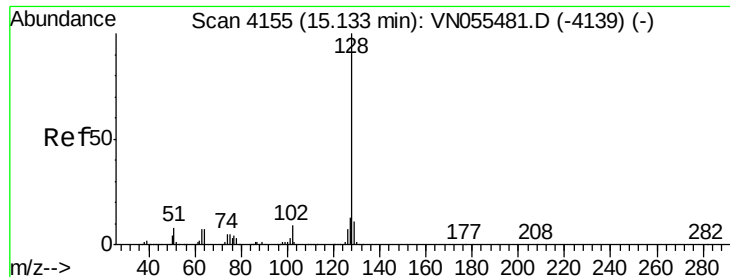


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.224 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

P026-SS008-0002-01MERE

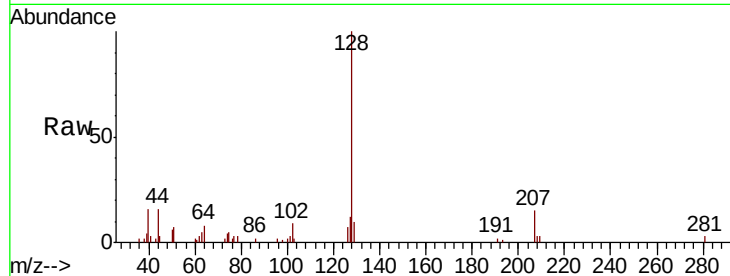
Tot Ion:128 Resp: 21024

Ion Ratio Lower Upper

128 100

127 10.2 10.0 15.0

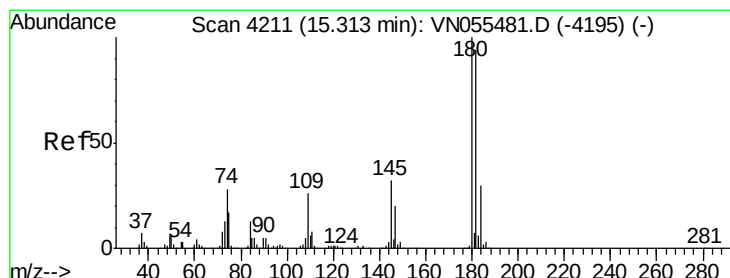
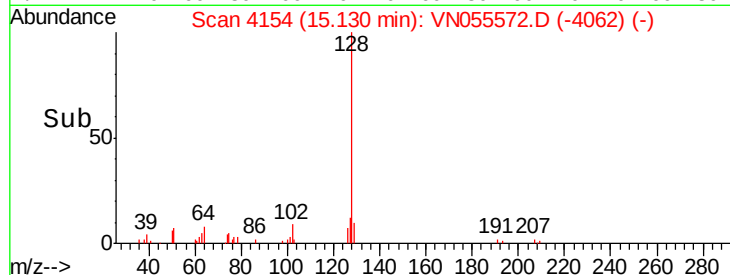
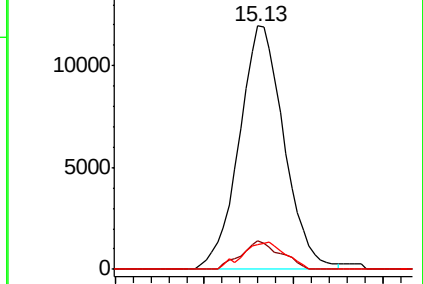
129 10.5 8.8 13.2



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: 3.359 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055572.D

Acq: 13 May 2019 12:03

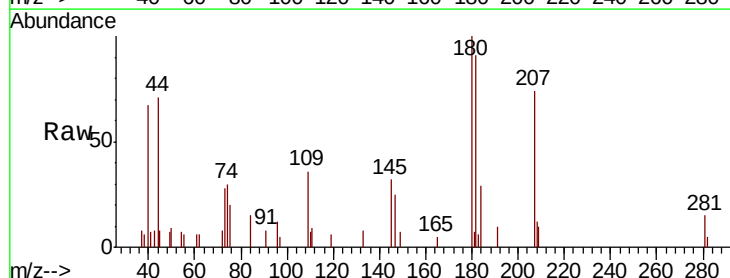
Tgt Ion:180 Resp: 5823

Ion Ratio Lower Upper

180 100

182 93.3 47.1 141.3

145 19.5 15.8 47.4



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

