

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056119.D
 Acq On : 7 Jun 2019 23:56
 Operator : JC/SP
 Sample : K3193-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-1-OW

Quant Time: Jun 08 05:15:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	334249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	167544	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.59	113	144737	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
50) Toluene-d8	10.09	98	609108	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.40	95	202137	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.82	59	218	0.377	ug/l #	74
16) Acetone	3.82	43	20171	12.708	ug/l	98
17) Carbon Disulfide	4.04	76	3872	0.576	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	1223	0.407	ug/l	96
25) 2-Butanone	6.86	43	3946	1.968	ug/l	94
31) Cyclohexane	7.66	56	4702	0.893	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19099	4.388	ug/l #	48
37) Ethyl Acetate	6.86	43	3946	1.019	ug/l #	67
38) Carbon Tetrachloride	7.66	117	27328	6.810	ug/l #	15
43) Isopropyl Acetate	8.29	43	2079	0.331	ug/l #	53
44) Trichloroethene	8.84	130	1478	0.389	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1962	0.500	ug/l #	86
52) Toluene	10.15	92	188124	22.869	ug/l	98
53) t-1,3-Dichloropropene	10.16	75	1808	2.764	ug/l #	1
65) Chlorobenzene	11.43	112	3713	0.387	ug/l	90
69) o-Xylene	11.95	106	3272	0.522	ug/l	97
71) Bromoform	12.40	173	1513	3.256	ug/l #	1
73) Isopropylbenzene	12.25	105	7095	Below Cal		94
76) 1,2,3-Trichloropropane	12.40	75	91318	27.836	ug/l #	100
78) n-propylbenzene	12.59	91	9744	0.646	ug/l	96
79) 2-Chlorotoluene	12.66	91	1586	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	45585	3.803	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	91318	92.700	ug/l #	15
82) 4-Chlorotoluene	12.73	91	4312	0.489	ug/l #	39
83) tert-Butylbenzene	12.99	119	1700	Below Cal		93
84) 1,2,4-Trimethylbenzene	13.04	105	157628	13.866	ug/l	98
85) sec-Butylbenzene	13.17	105	11087	0.830	ug/l	82
86) p-Isopropyltoluene	13.23	119	15646	1.309	ug/l	95
89) n-Butylbenzene	13.61	91	4351	0.491	ug/l #	68
90) Hexachloroethane	13.89	117	6439	3.572	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	2066	0.346	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.25	75	753	1.272	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	354	4.368	ug/l #	1
95) Naphthalene	15.13	128	7187	4.629	ug/l #	94

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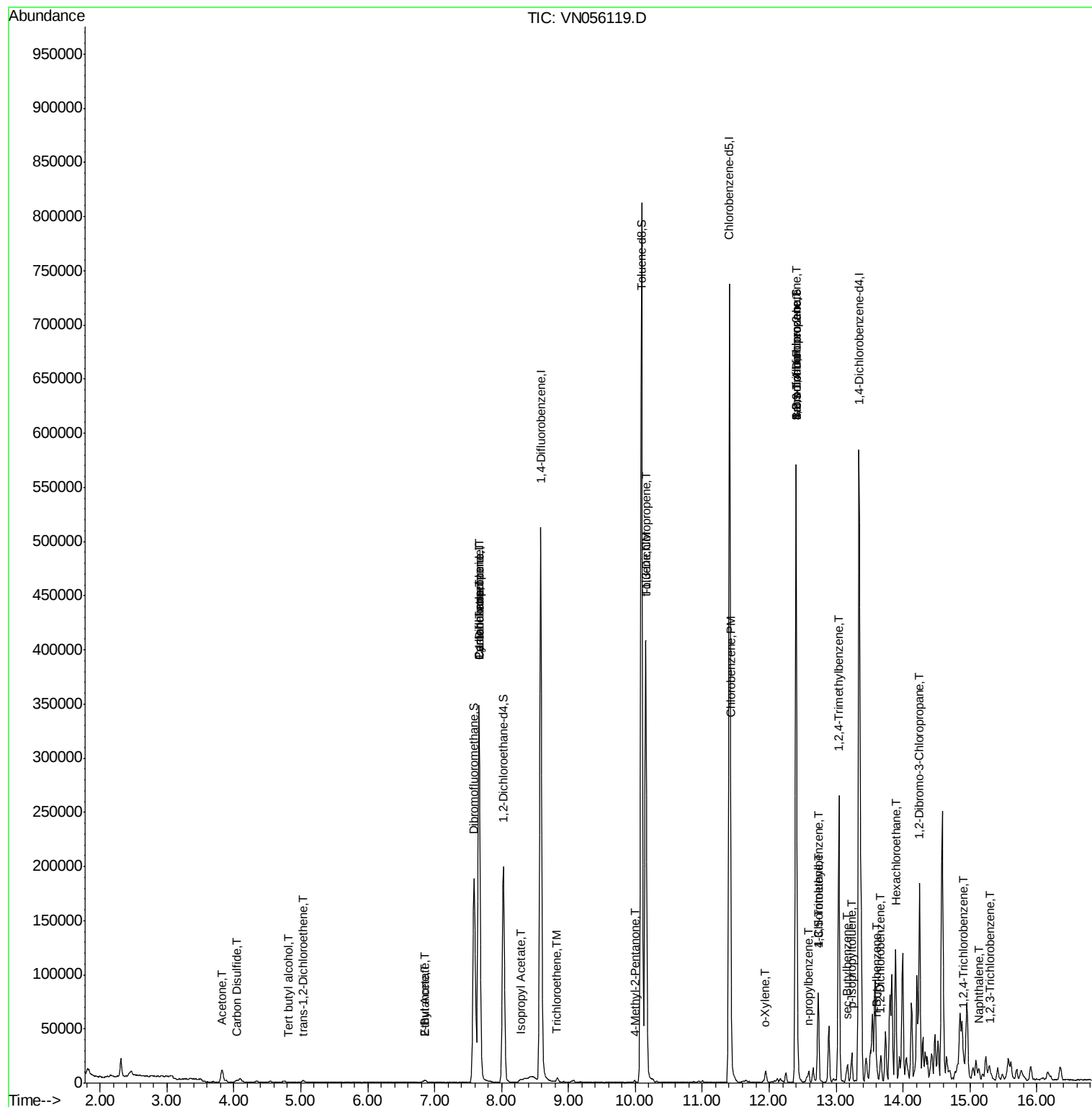
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	377	3.137	ug/l #	72

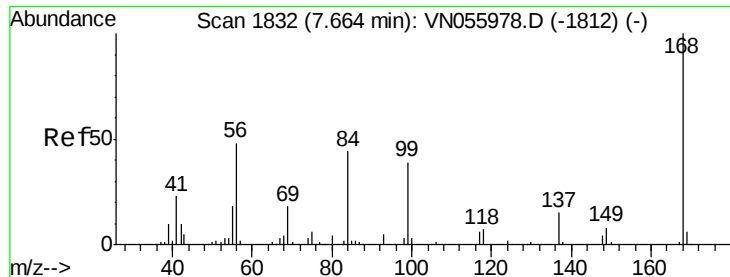
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

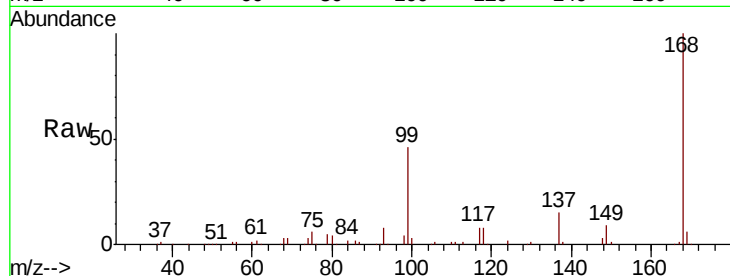
P-1-OW

Tot Ion:168 Resp: 334249

Ion Ratio Lower Upper

168 100

99 46.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

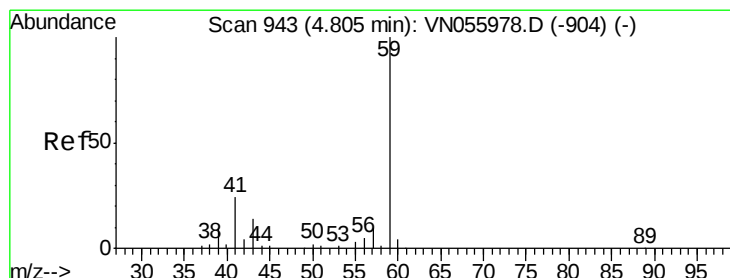
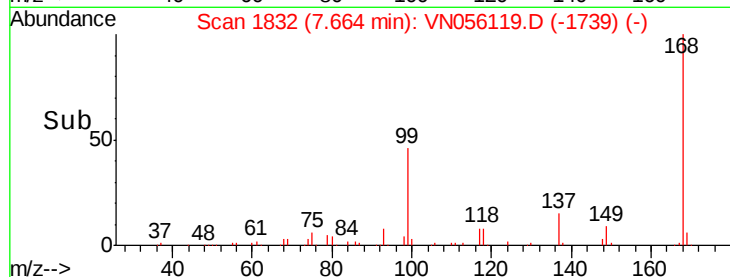
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.377 ug/l

RT: 4.82 min Scan# 946

Delta R.T. 0.01 min

Lab File: VN056119.D

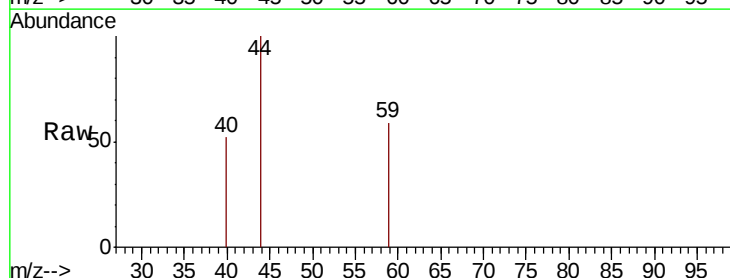
Acq: 7 Jun 2019 23:56

Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.82

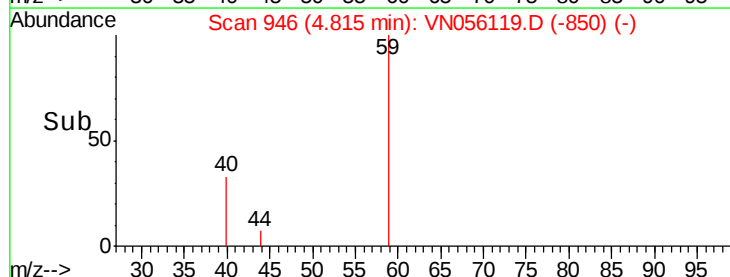
300

200

100

0

Time--> 4.78 4.80 4.82 4.84





#16

Acetone

Concen: 12.708 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

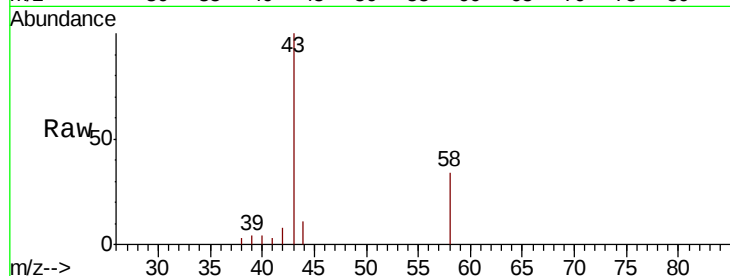
P-1-OW

Tot Ion: 43 Resp: 20171

Ion Ratio Lower Upper

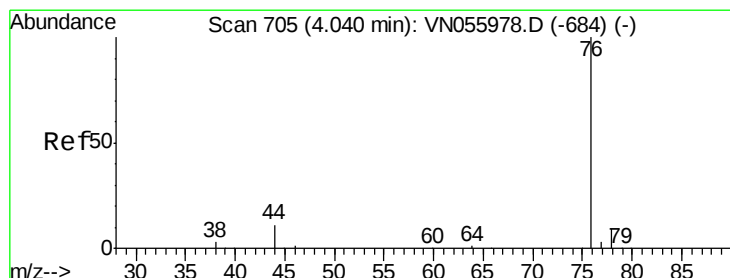
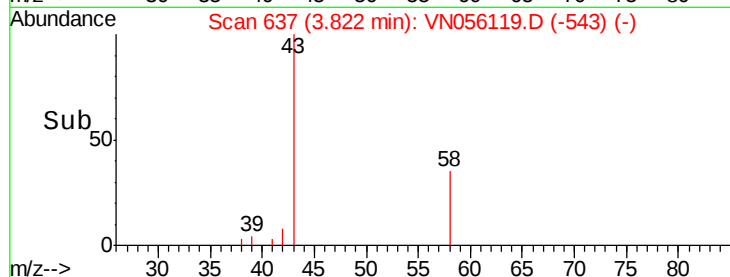
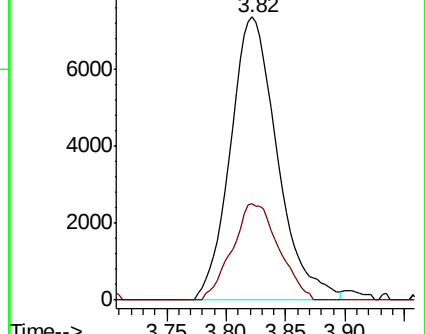
43 100

58 34.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.576 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056119.D

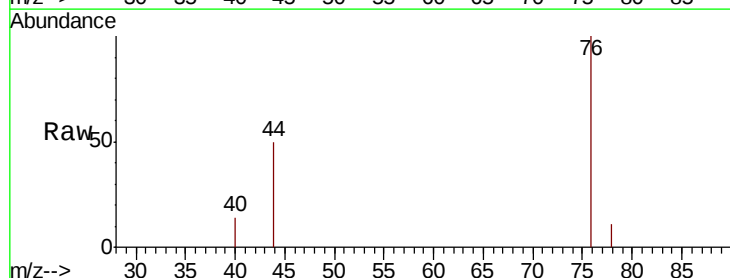
Acq: 7 Jun 2019 23:56

Tgt Ion: 76 Resp: 3872

Ion Ratio Lower Upper

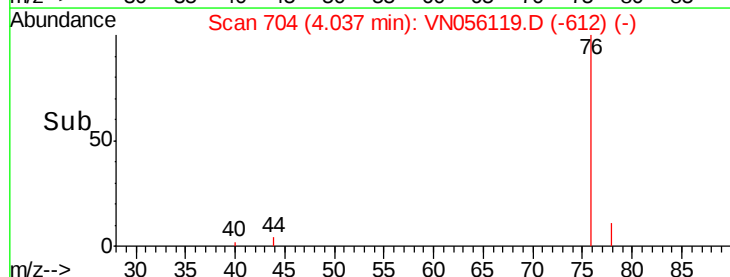
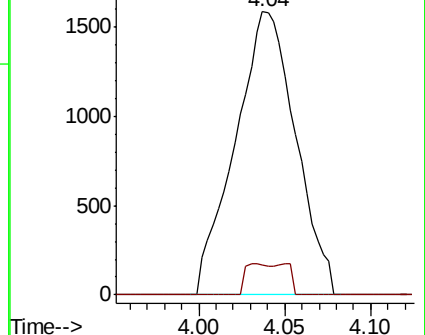
76 100

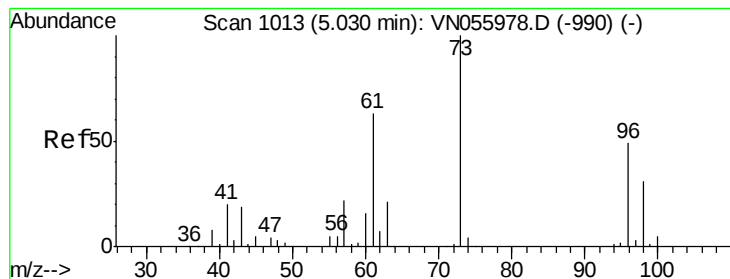
78 10.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 0.407 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

P-1-OW

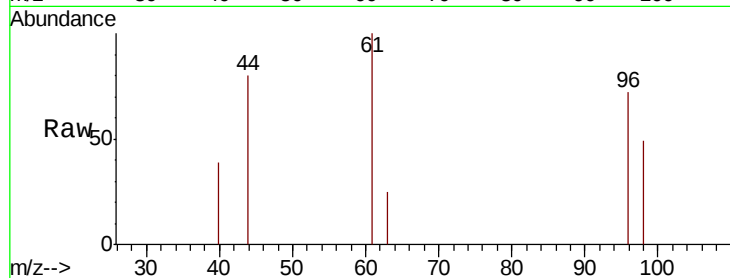
Tot Ion: 96 Resp: 1223

Ion Ratio Lower Upper

96 100

61 138.5 107.8 161.8

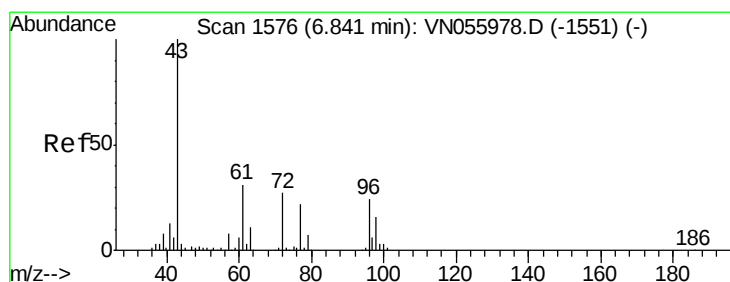
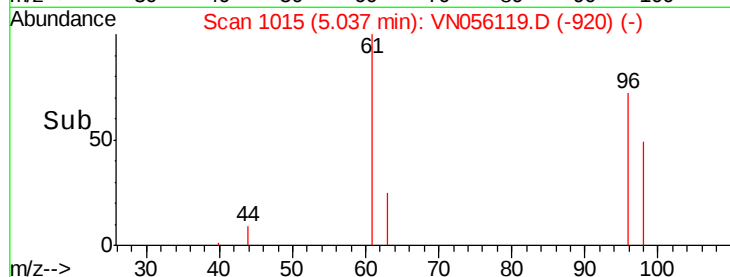
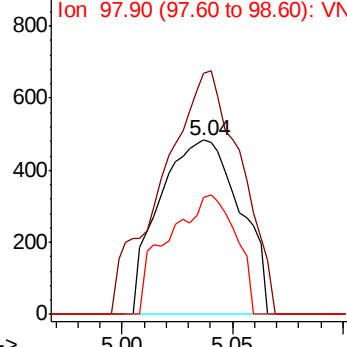
98 67.5 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#25

2-Butanone

Concen: 1.968 ug/l

RT: 6.86 min Scan# 1582

Delta R.T. 0.02 min

Lab File: VN056119.D

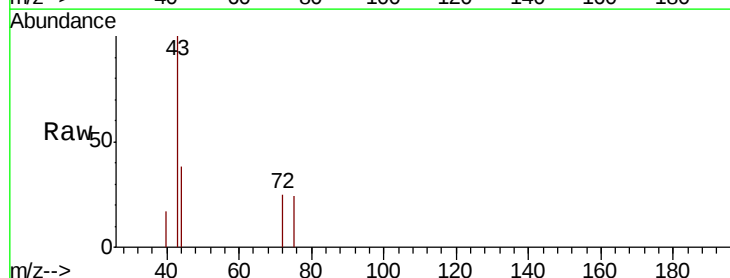
Acq: 7 Jun 2019 23:56

Tgt Ion: 43 Resp: 3946

Ion Ratio Lower Upper

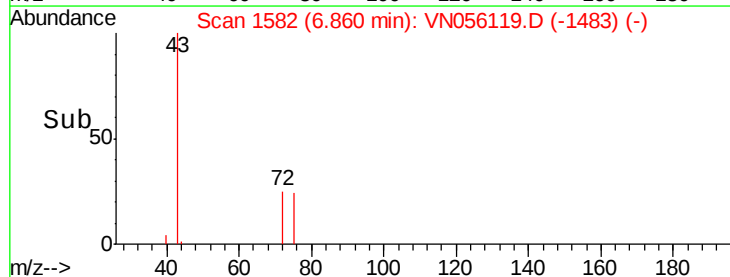
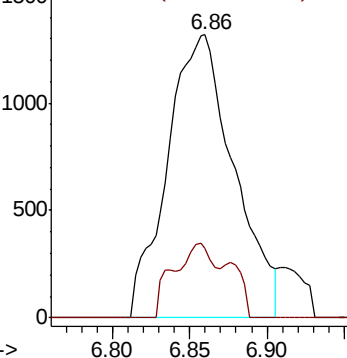
43 100

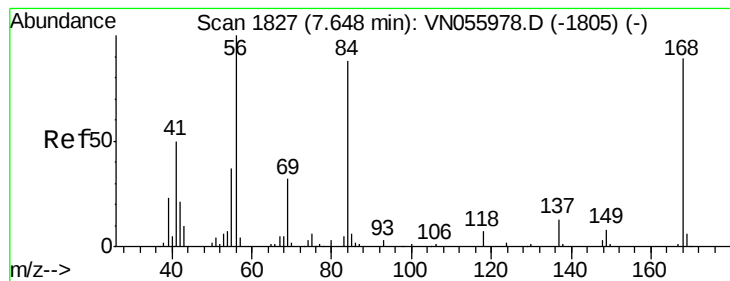
72 24.5 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 0.893 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

P-1-OW

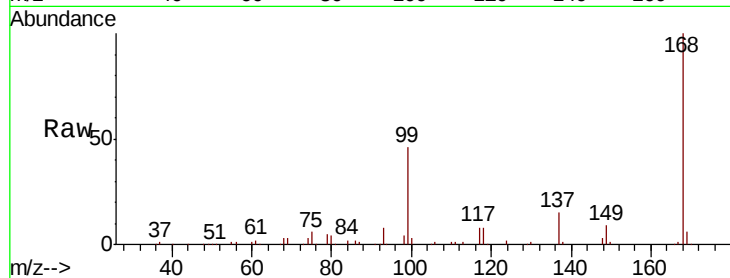
Tot Ion: 56 Resp: 4702

Ion Ratio Lower Upper

56 100

69 188.4 25.6 38.4#

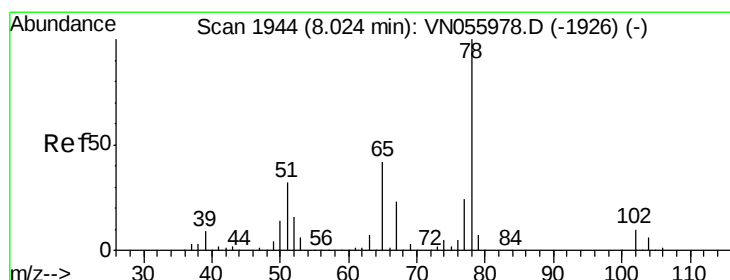
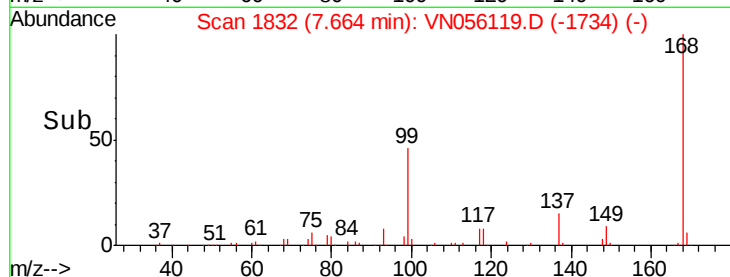
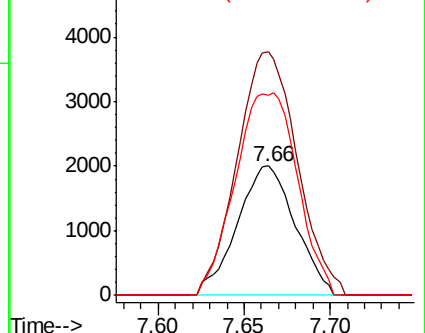
84 155.2 67.4 101.0#



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: 50.483 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056119.D

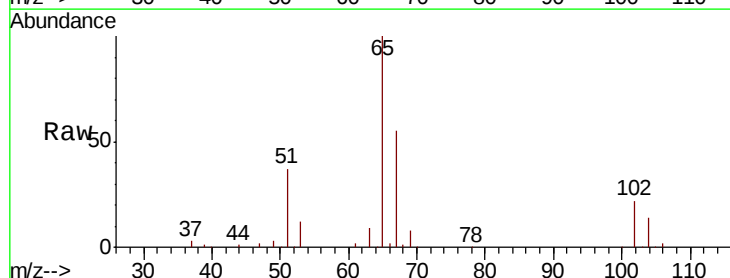
Acq: 7 Jun 2019 23:56

Tgt Ion: 65 Resp: 167544

Ion Ratio Lower Upper

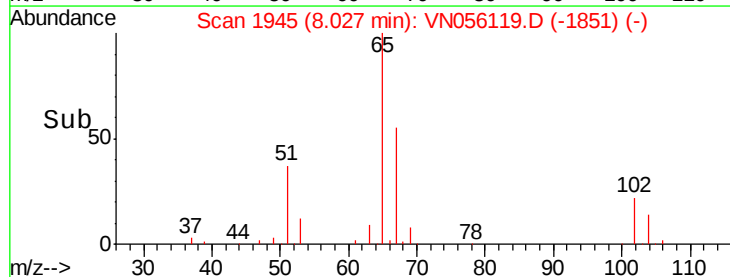
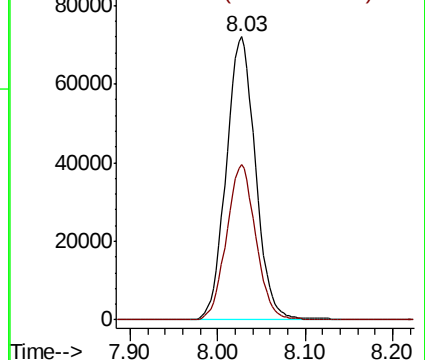
65 100

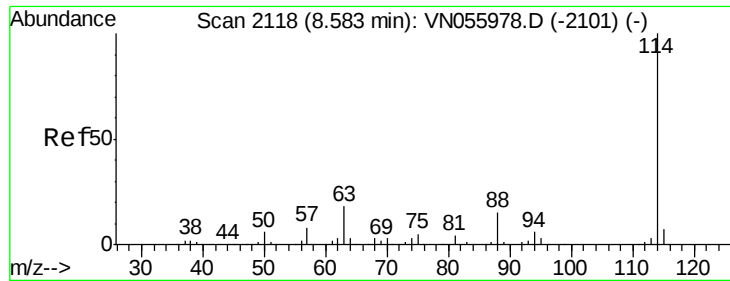
67 54.8 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

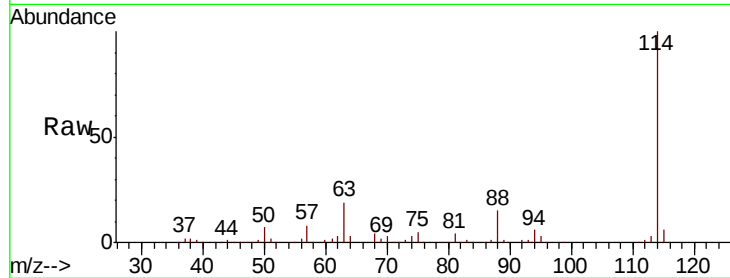




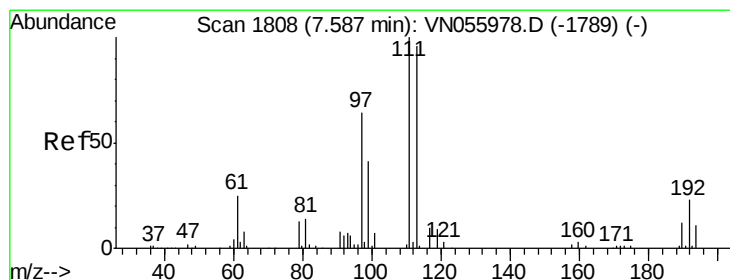
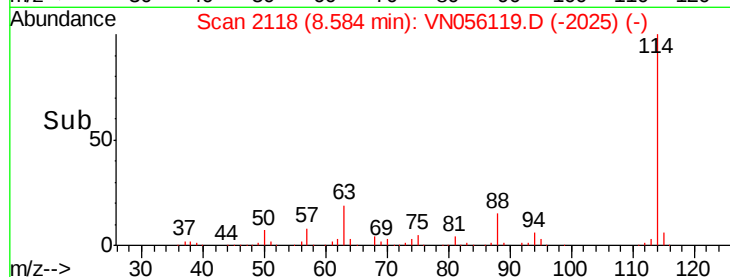
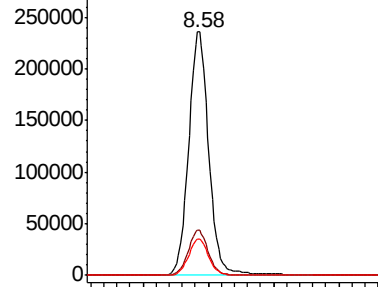
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056119.D
 Acq: 7 Jun 2019 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 P-1-OW

Tot Ion:114 Resp: 506196
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 14.9 0.0 31.0

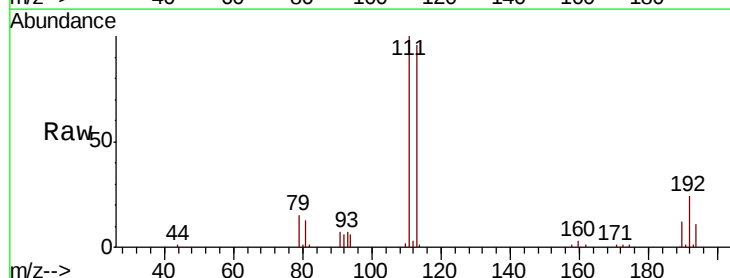


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

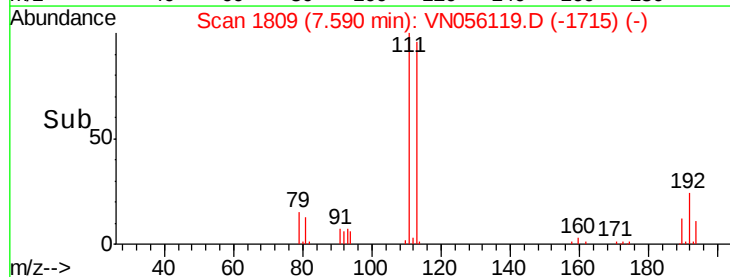
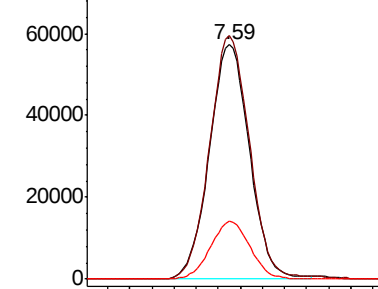


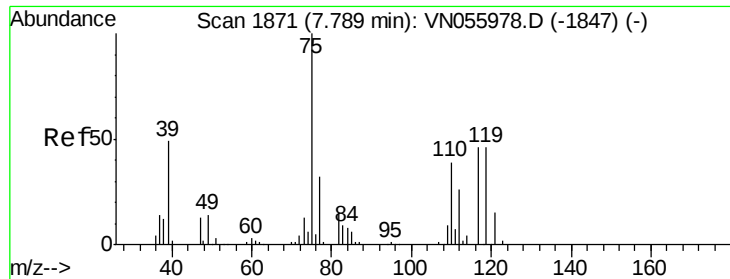
#35
 Dibromofluoromethane
 Concen: 46.604 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056119.D
 Acq: 7 Jun 2019 23:56

Tgt Ion:113 Resp: 144737
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.9 122.9
 192 24.4 19.5 29.3



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: 4.388 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

P-1-OW

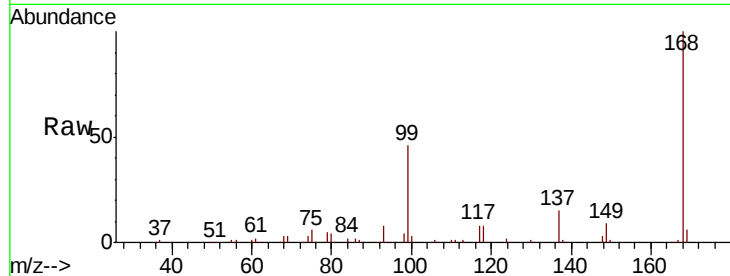
Tot Ion: 75 Resp: 19099

Ion Ratio Lower Upper

75 100

110 9.2 19.0 57.0#

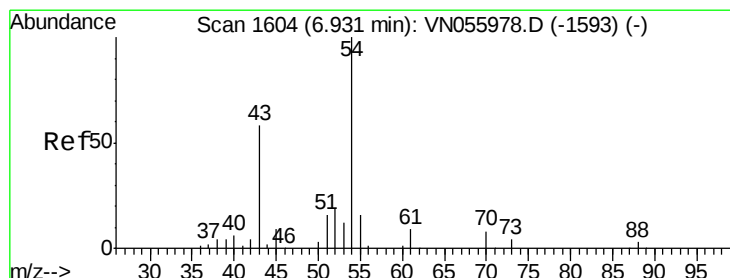
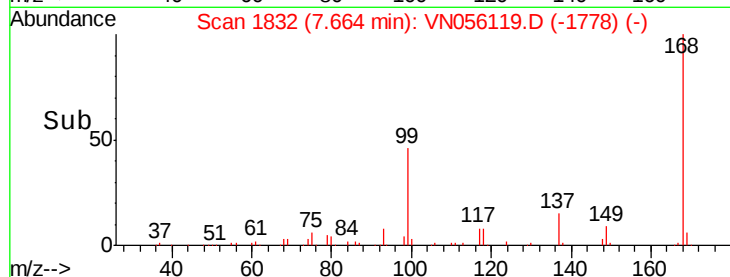
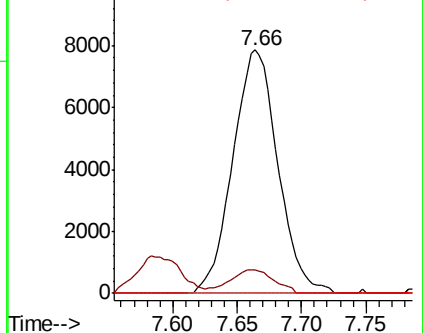
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 1.019 ug/l

RT: 6.86 min Scan# 1582

Delta R.T. -0.07 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

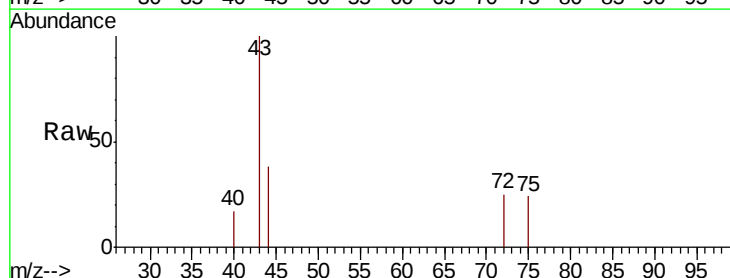
Tgt Ion: 43 Resp: 3946

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

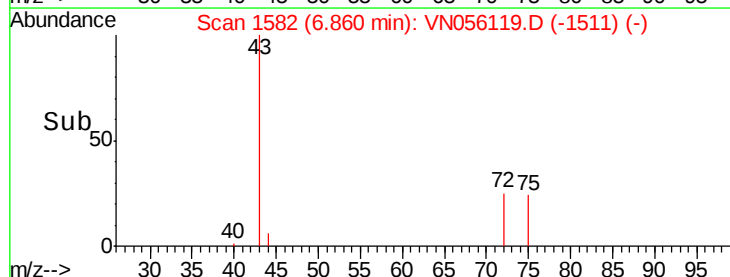
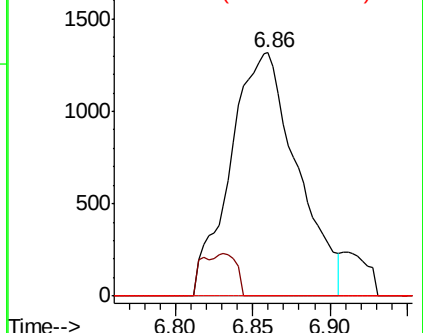
70 0.0 8.9 13.3#

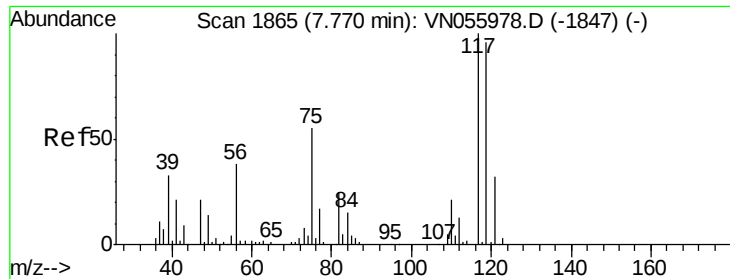


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.810 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

P-1-OW

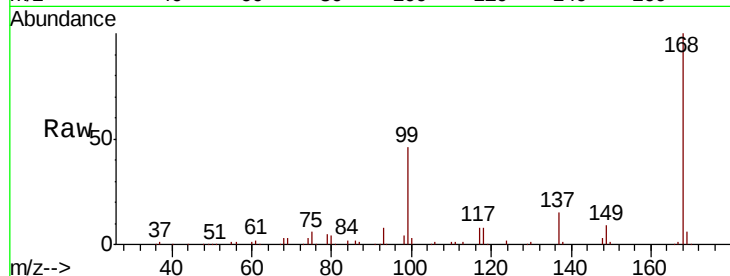
Tot Ion:117 Resp: 27328

Ion Ratio Lower Upper

117 100

119 5.5 79.0 118.6#

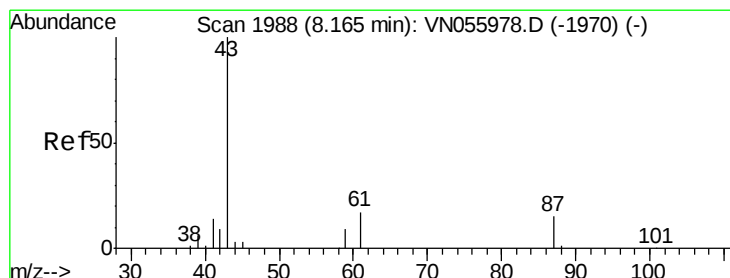
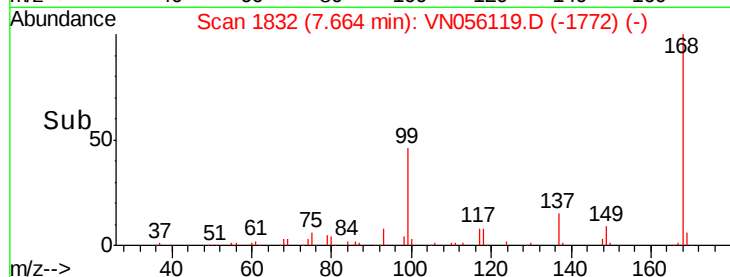
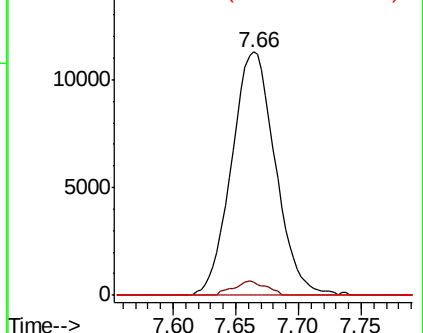
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.331 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.12 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

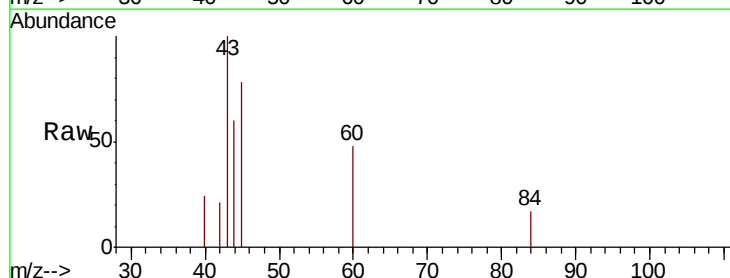
Tgt Ion: 43 Resp: 2079

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

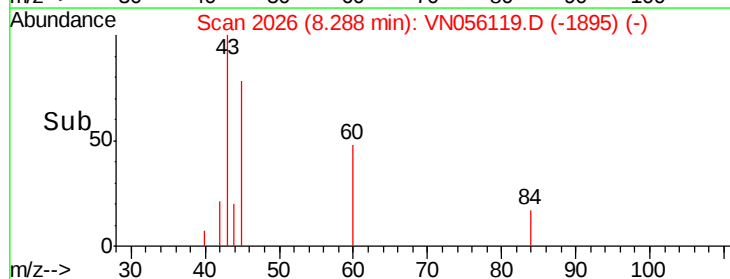
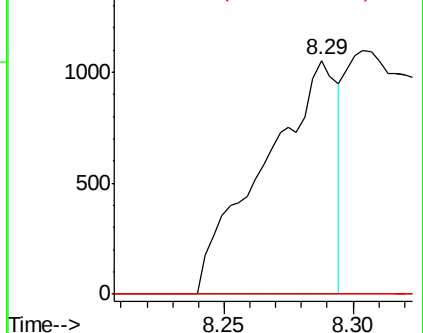
87 0.0 11.4 17.2#

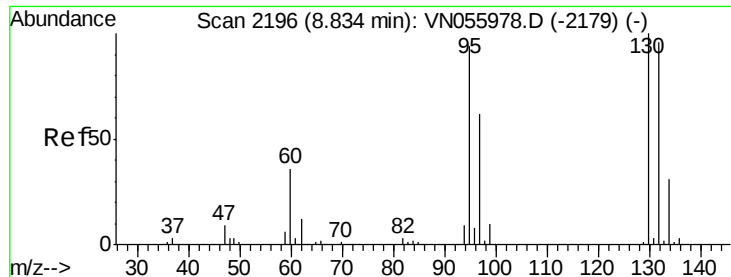


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#44

Trichloroethene

Concen: 0.389 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

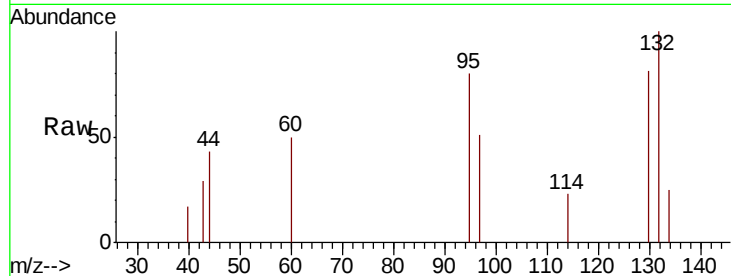
P-1-OW

Tot Ion:130 Resp: 1478

Ion Ratio Lower Upper

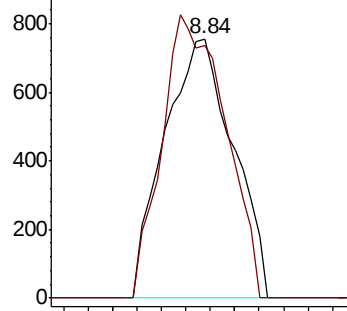
130 100

95 97.6 0.0 188.0

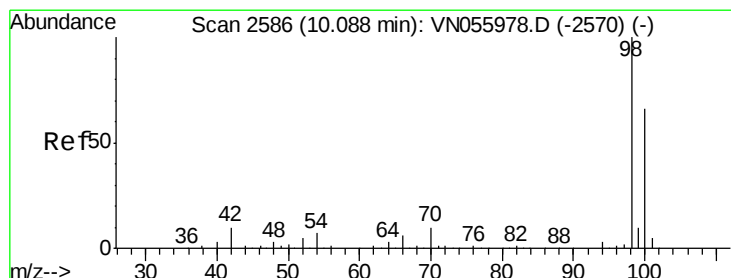
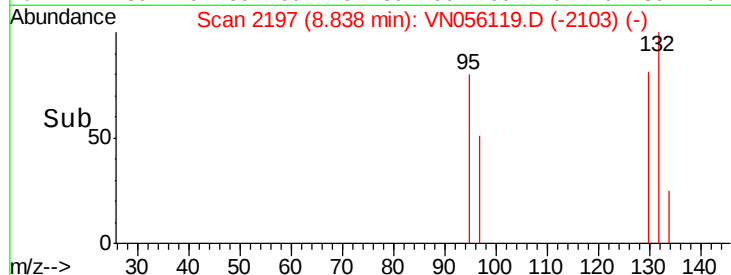


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



Time-->



#50

Toluene-d8

Concen: 50.969 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056119.D

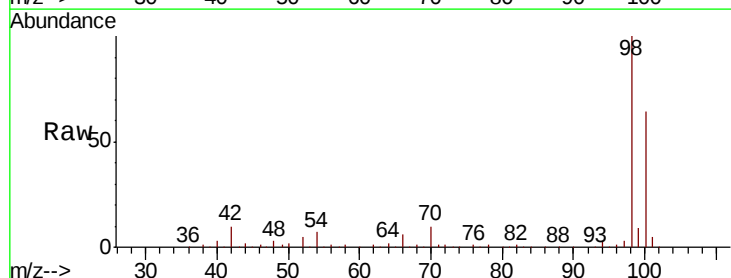
Acq: 7 Jun 2019 23:56

Tgt Ion: 98 Resp: 609108

Ion Ratio Lower Upper

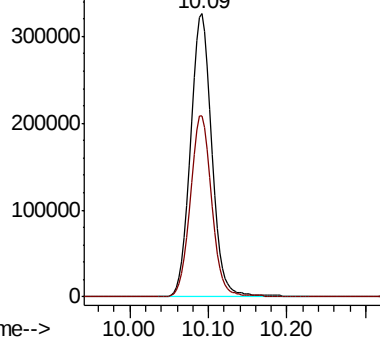
98 100

100 64.1 51.9 77.9

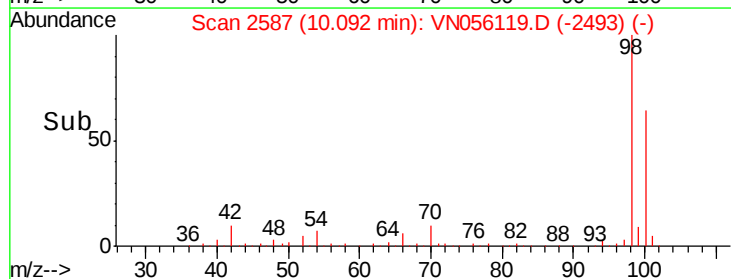


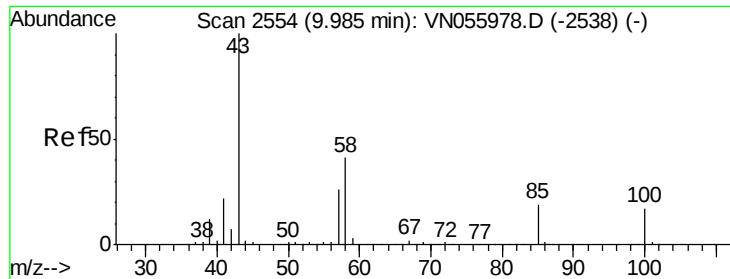
Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.500 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

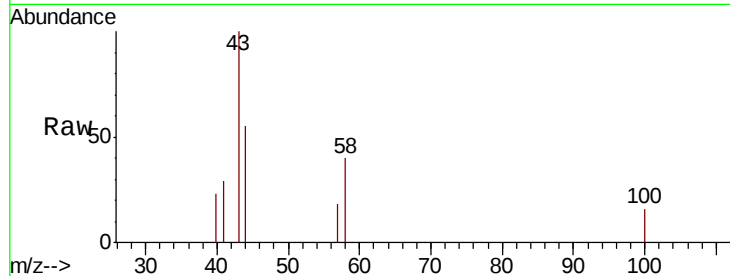
P-1-OW

Tot Ion: 43 Resp: 1962

Ion Ratio Lower Upper

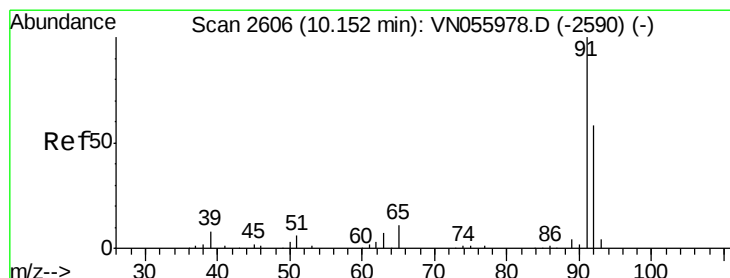
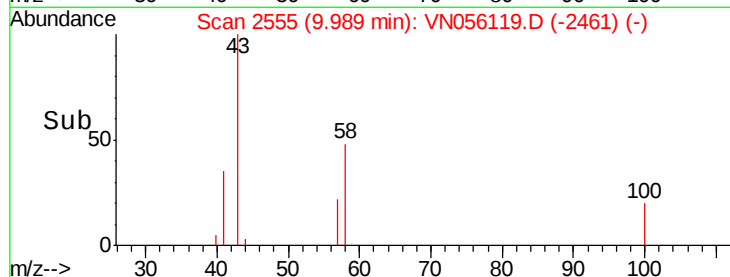
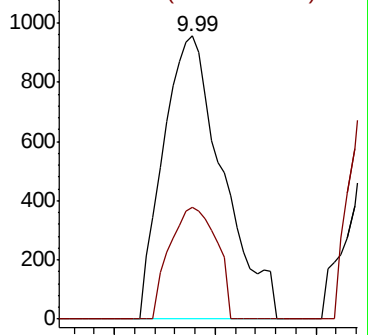
43 100

58 31.4 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)



#52

Toluene

Concen: 22.869 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056119.D

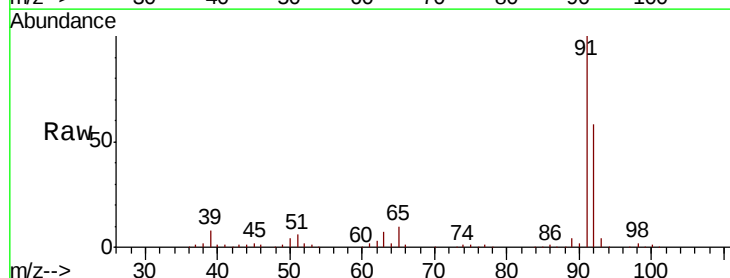
Acq: 7 Jun 2019 23:56

Tgt Ion: 92 Resp: 188124

Ion Ratio Lower Upper

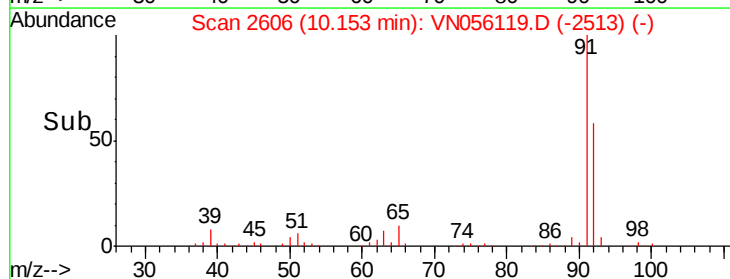
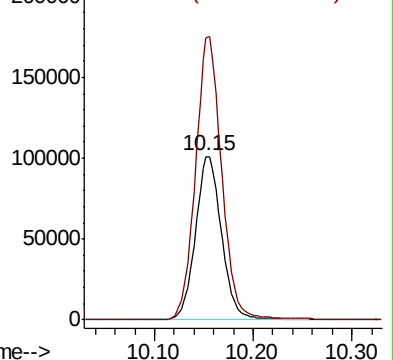
92 100

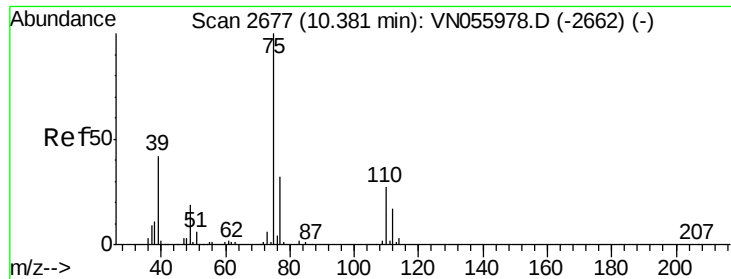
91 172.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

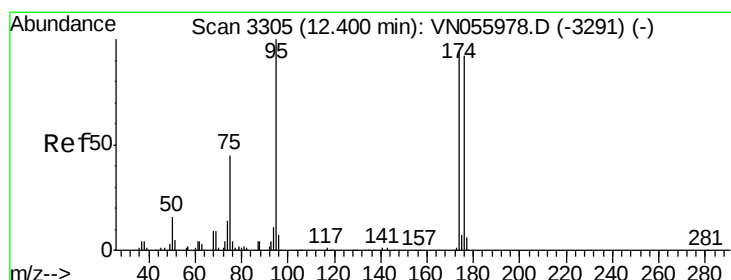
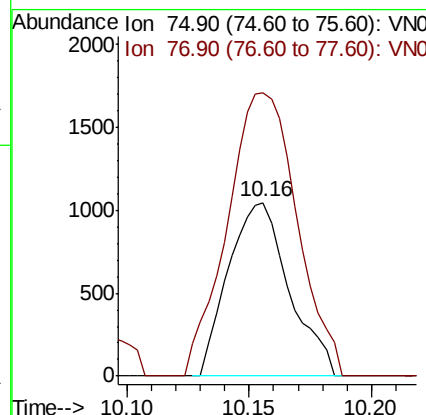
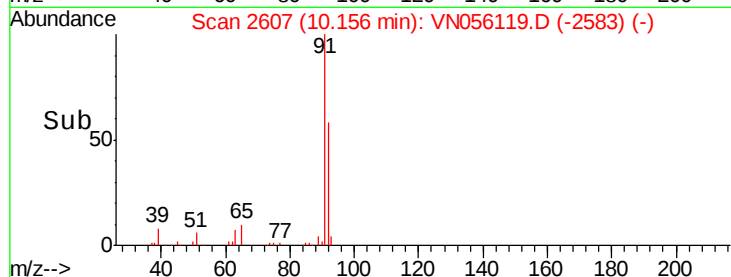
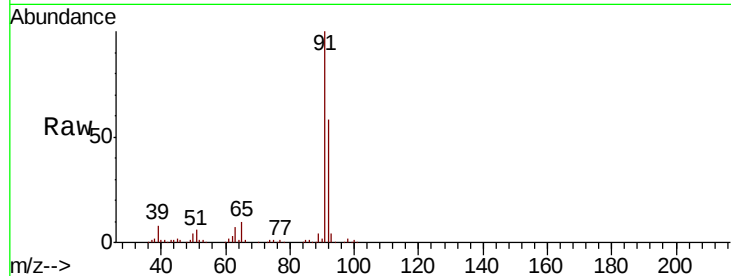




#53
t-1,3-Dichloropropene
Concen: 2.764 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.22 min
Lab File: VN056119.D
Acq: 7 Jun 2019 23:56

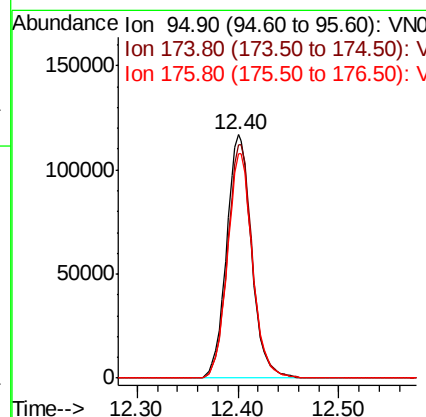
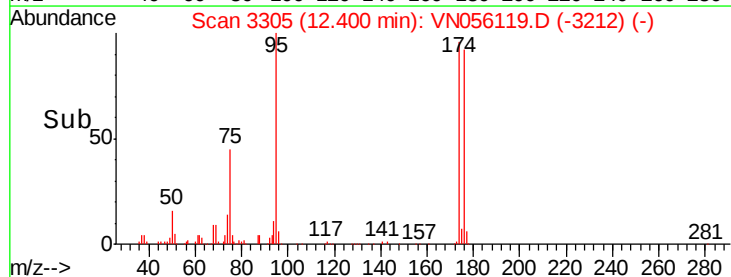
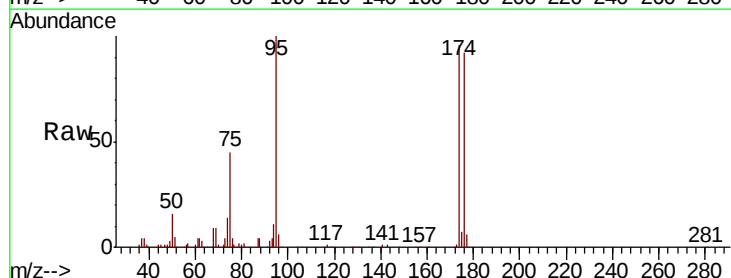
Instrument :
MSVOA_N
ClientSampleId :
P-1-OW

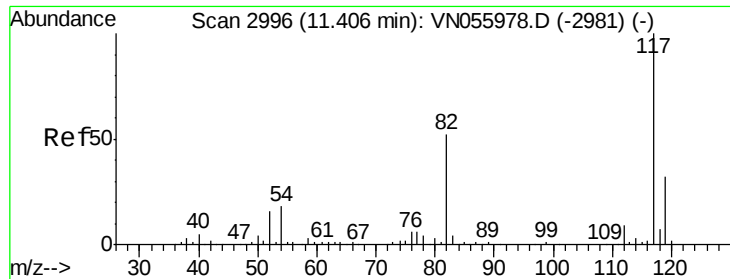
Tot Ion: 75 Resp: 1808
Ion Ratio Lower Upper
75 100
77 162.8 25.8 38.6#



#62
4-Bromofluorobenzene
Concen: 49.737 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056119.D
Acq: 7 Jun 2019 23:56

Tgt Ion: 95 Resp: 202137
Ion Ratio Lower Upper
95 100
174 95.4 0.0 191.0
176 92.2 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

P-1-OW

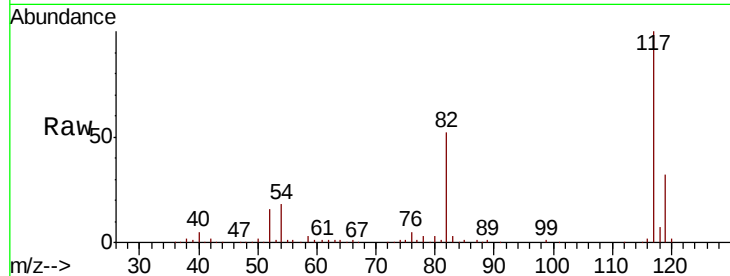
Tot Ion:117 Resp: 482158

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

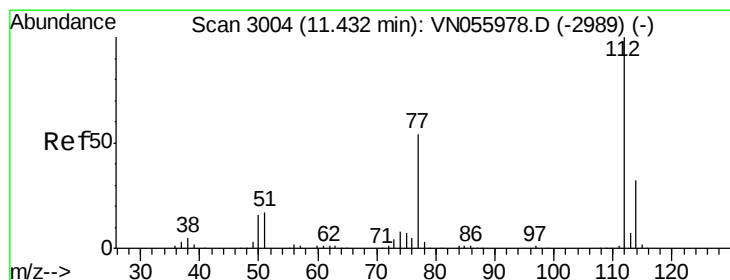
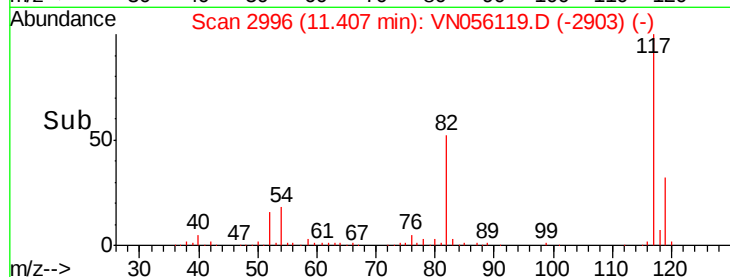
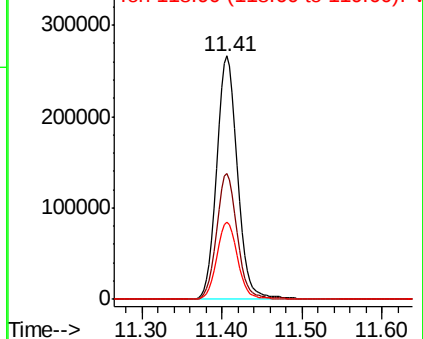
119 31.7 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.387 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056119.D

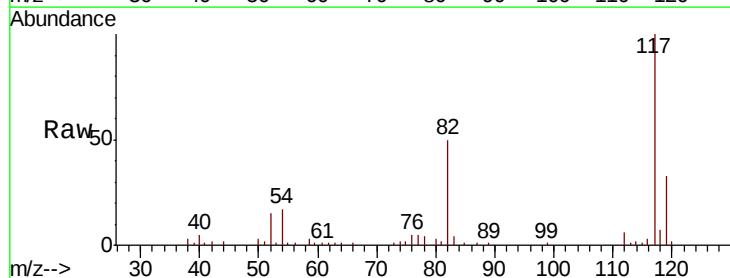
Acq: 7 Jun 2019 23:56

Tgt Ion:112 Resp: 3713

Ion Ratio Lower Upper

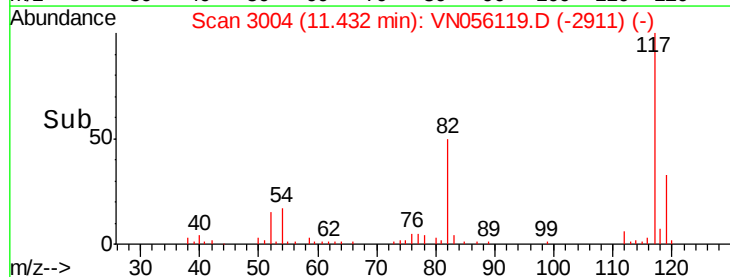
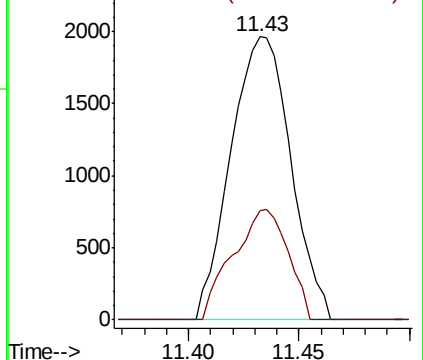
112 100

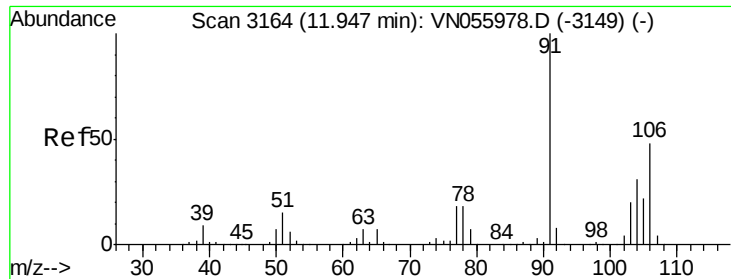
114 38.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

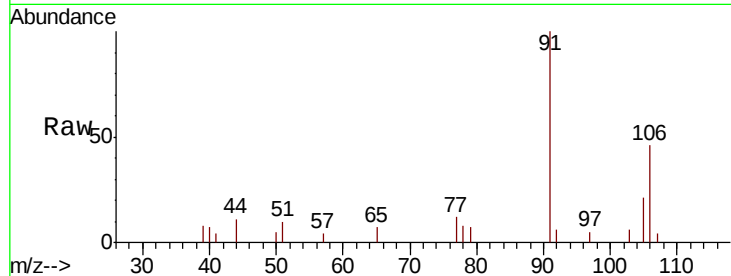




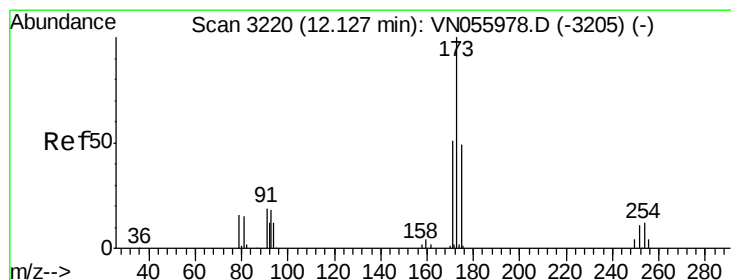
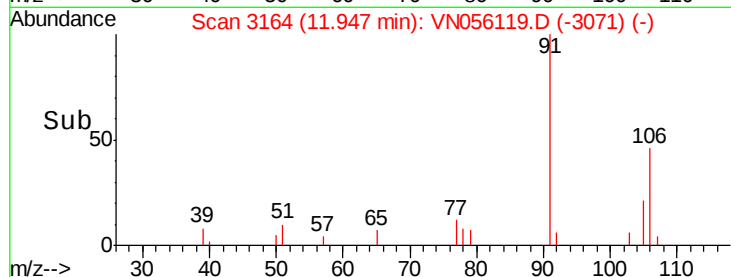
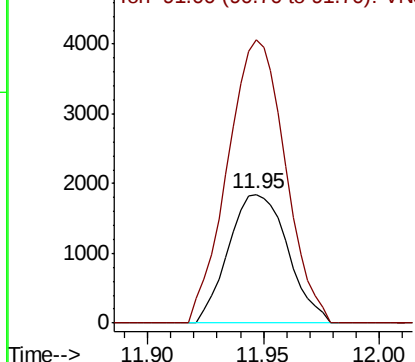
#69
o-Xylene
Concen: 0.522 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056119.D
Acq: 7 Jun 2019 23:56

Instrument :
MSVOA_N
ClientSampled :
P-1-OW

Tot Ion:106 Resp: 3272
Ion Ratio Lower Upper
106 100
91 214.7 104.7 314.1

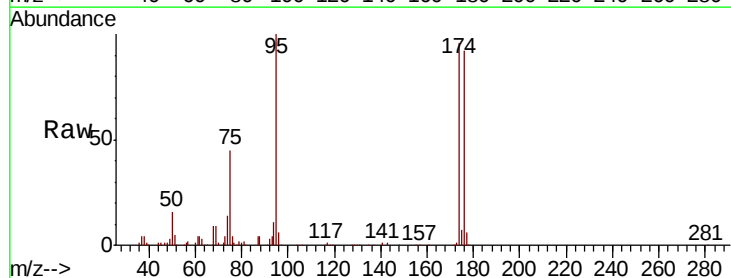


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

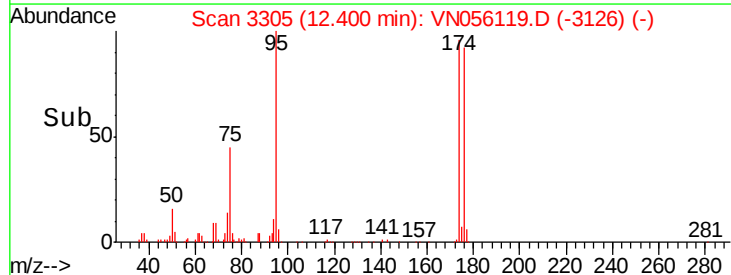
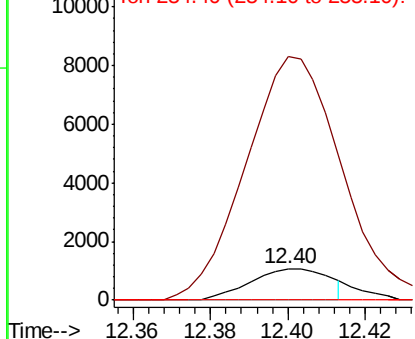


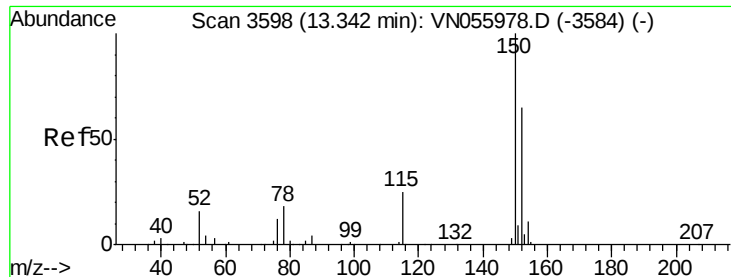
#71
Bromoform
Concen: 3.256 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056119.D
Acq: 7 Jun 2019 23:56

Tgt Ion:173 Resp: 1513
Ion Ratio Lower Upper
173 100
175 820.8 24.3 72.8#
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

P-1-OW

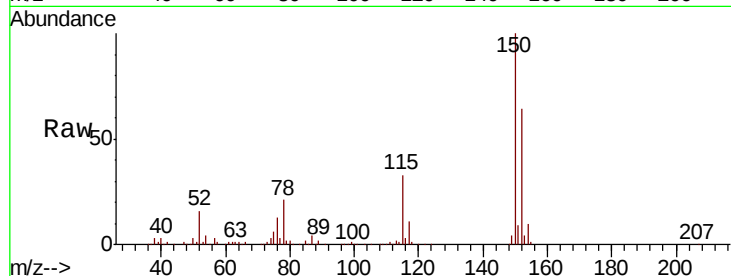
Tot Ion:152 Resp: 178287

Ion Ratio Lower Upper

152 100

115 54.4 27.0 81.0

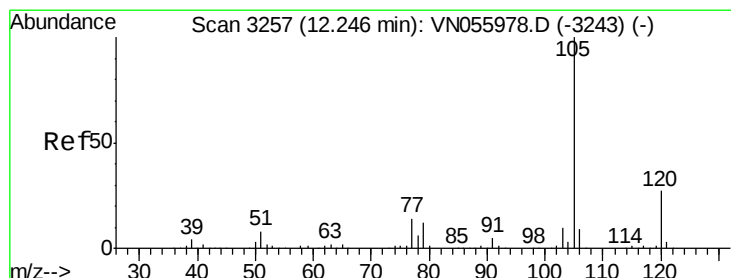
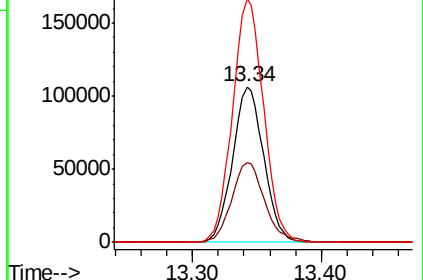
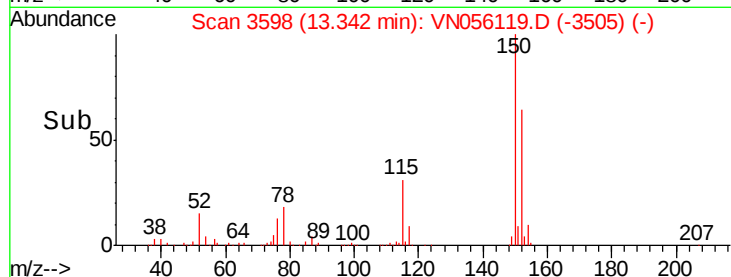
150 156.2 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056119.D

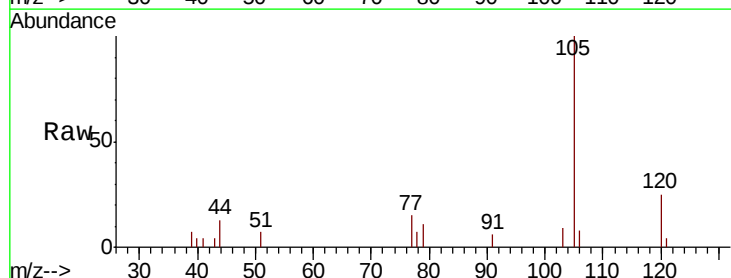
Acq: 7 Jun 2019 23:56

Tgt Ion:105 Resp: 7095

Ion Ratio Lower Upper

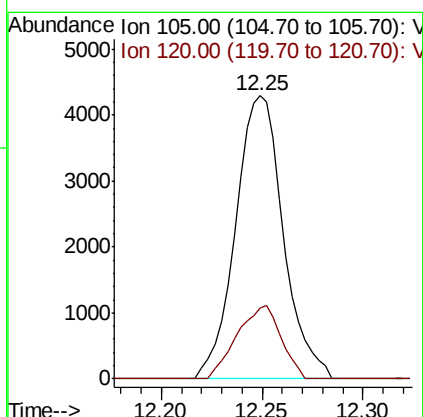
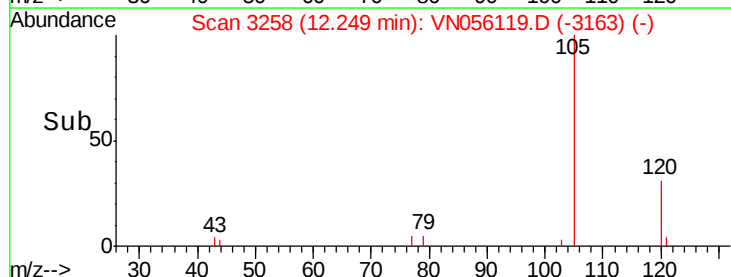
105 100

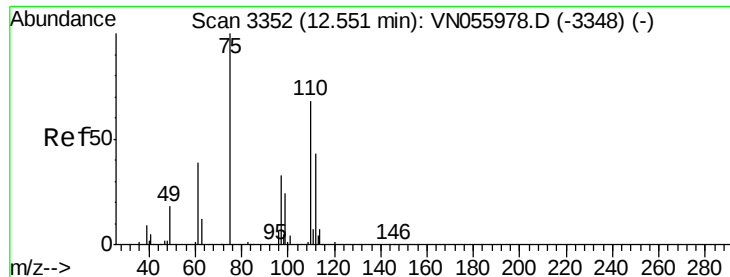
120 23.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 27.836 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

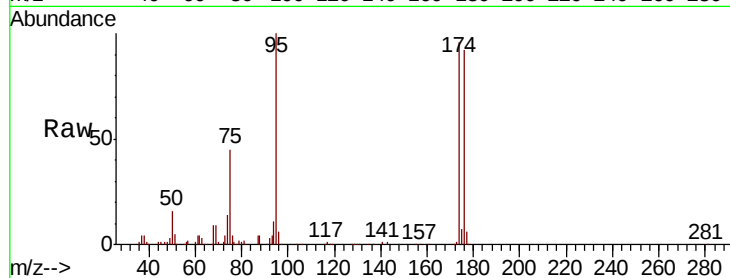
P-1-OW

Tot Ion: 75 Resp: 91318

Ion Ratio Lower Upper

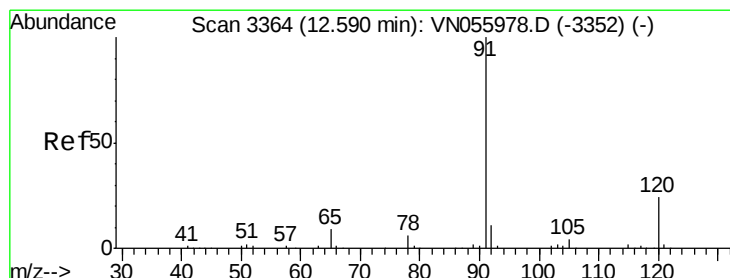
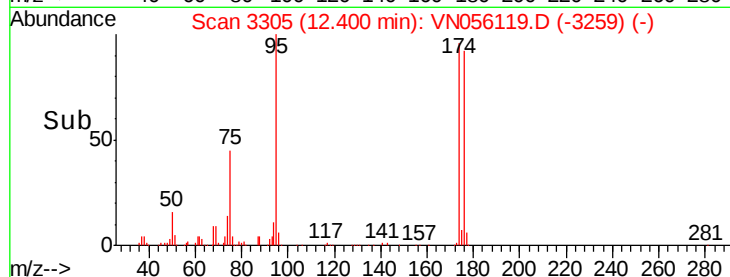
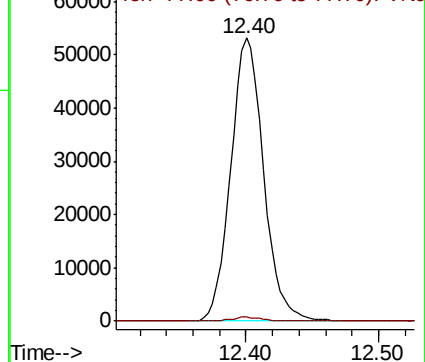
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.646 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056119.D

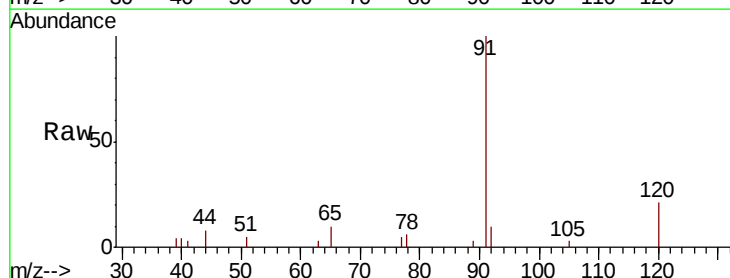
Acq: 7 Jun 2019 23:56

Tgt Ion: 91 Resp: 9744

Ion Ratio Lower Upper

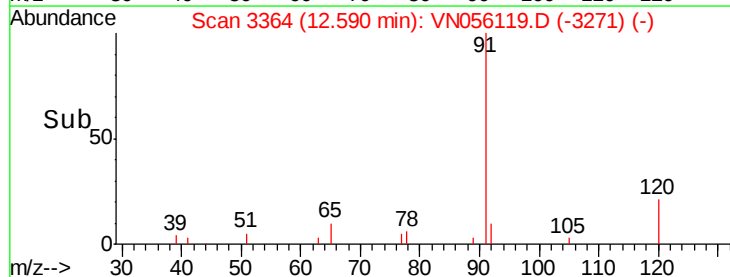
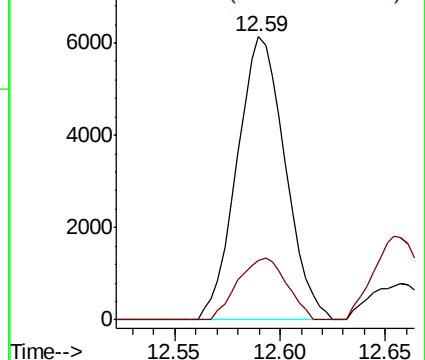
91 100

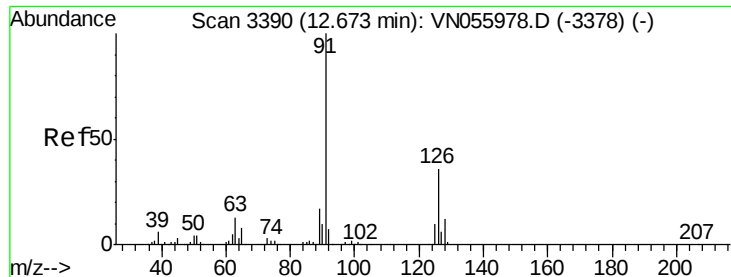
120 22.2 12.0 36.0



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: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

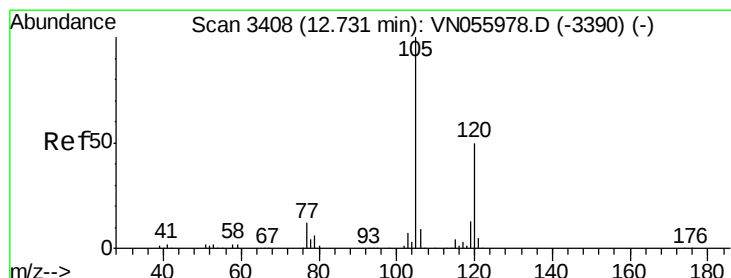
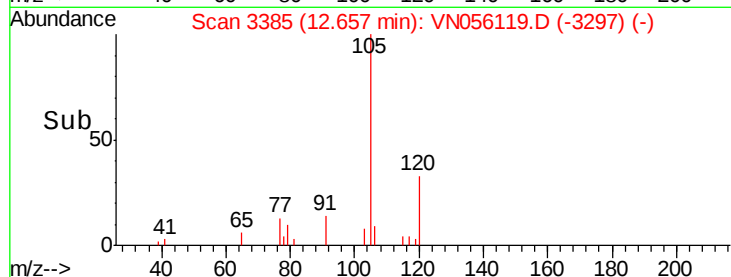
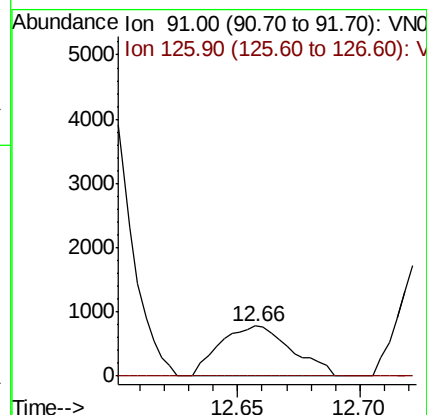
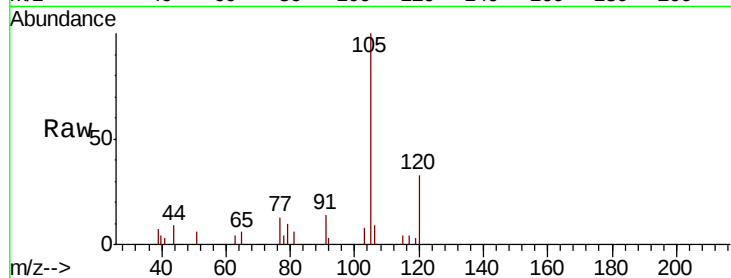
P-1-OW

Tot Ion: 91 Resp: 1586

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 3.803 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056119.D

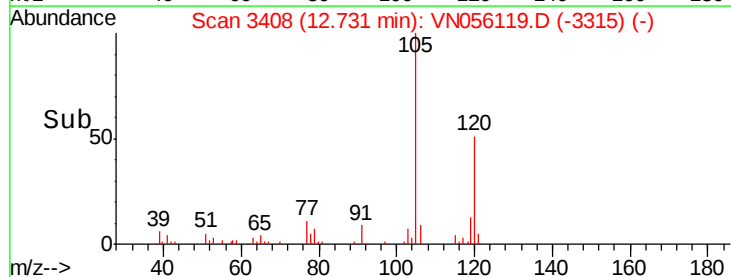
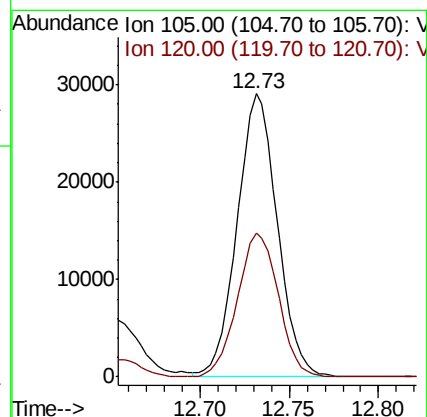
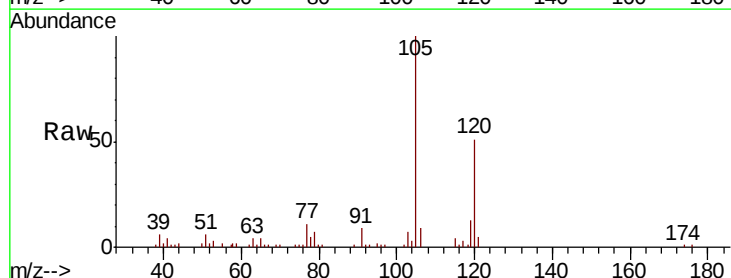
Acq: 7 Jun 2019 23:56

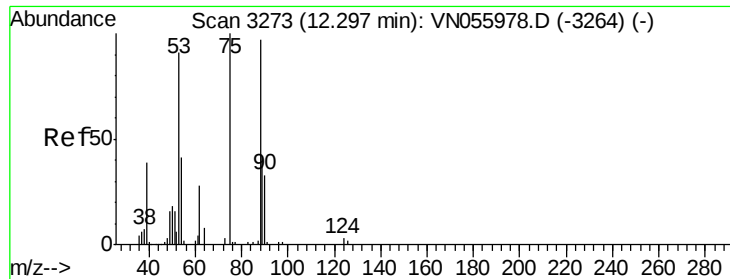
Tgt Ion: 105 Resp: 45585

Ion Ratio Lower Upper

105 100

120 51.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 92.700 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

P-1-OW

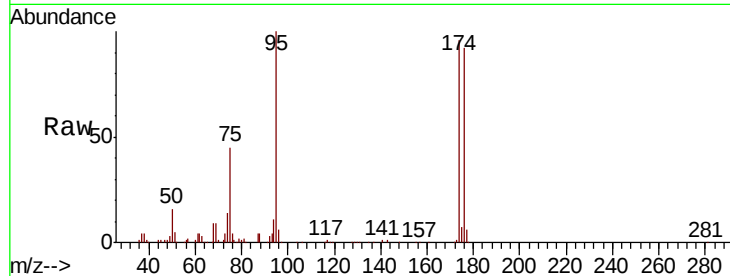
Tot Ion: 75 Resp: 91318

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

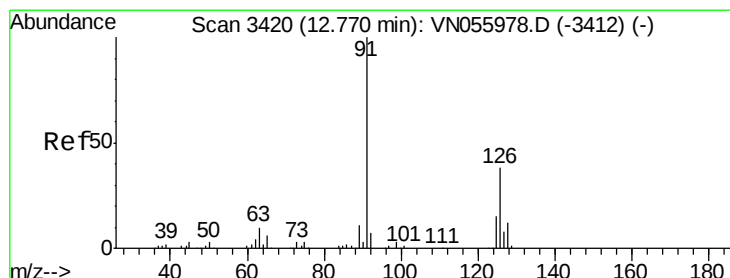
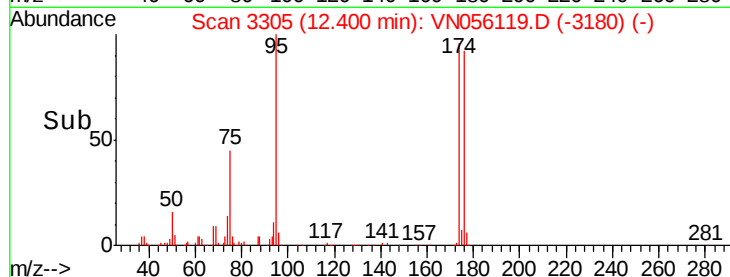
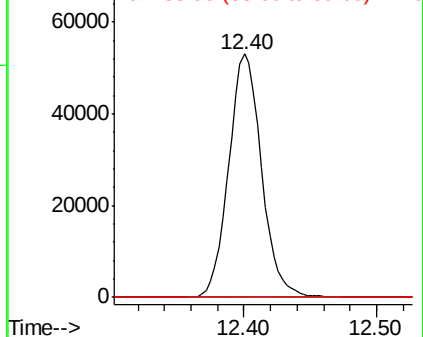
89 0.0 36.9 55.3#



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: 0.489 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN056119.D

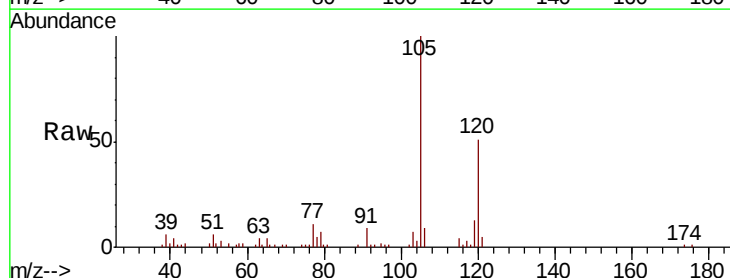
Acq: 7 Jun 2019 23:56

Tgt Ion: 91 Resp: 4312

Ion Ratio Lower Upper

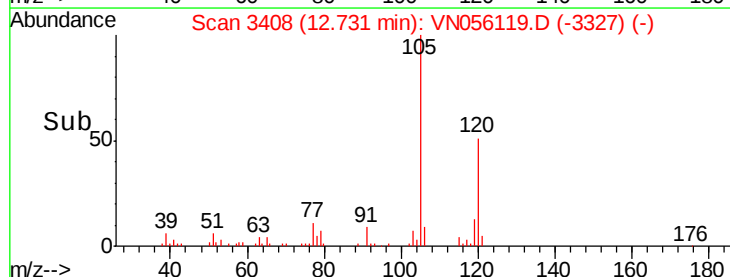
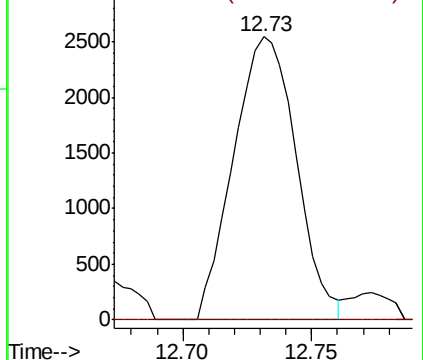
91 100

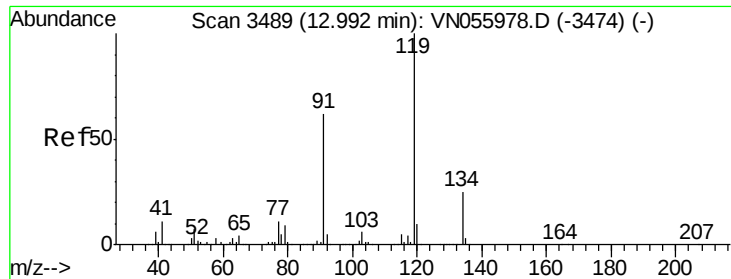
126 0.0 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

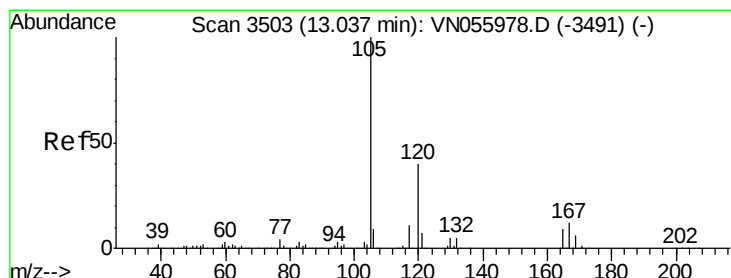
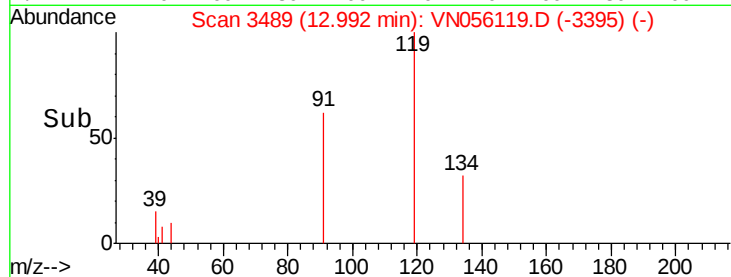
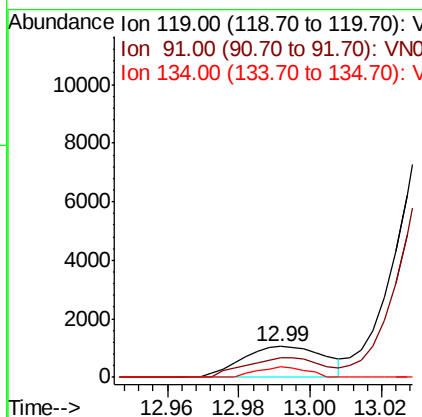
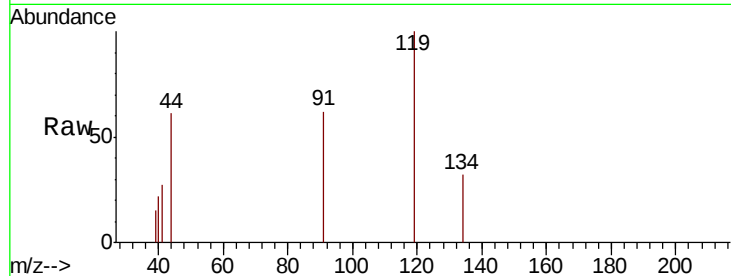




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056119.D
 Acq: 7 Jun 2019 23:56

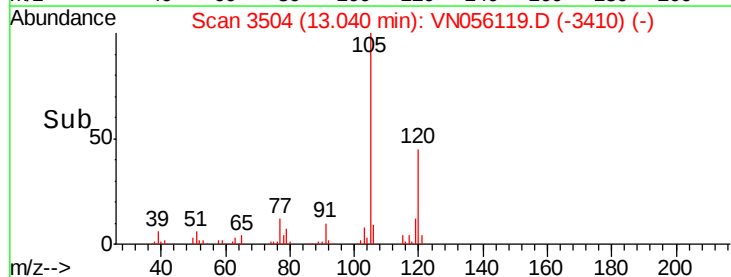
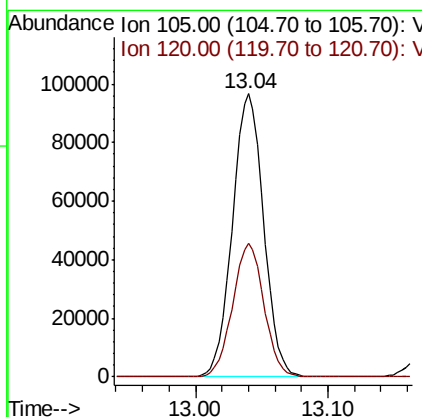
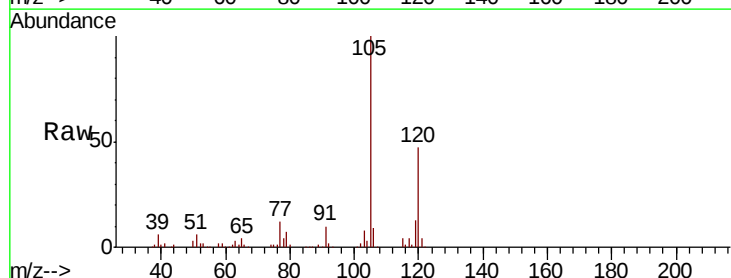
Instrument :
 MSVOA_N
 ClientSampled :
 P-1-OW

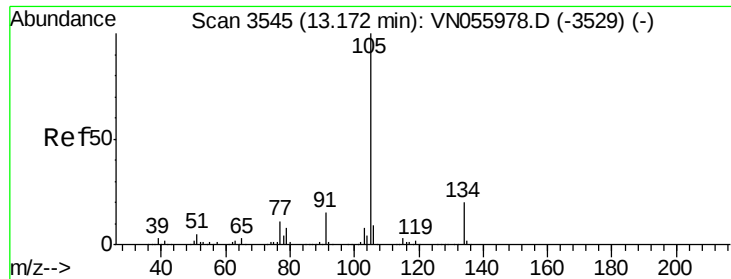
Tot Ion:119 Resp: 1700
 Ion Ratio Lower Upper
 119 100
 91 59.1 30.9 92.8
 134 19.6 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 13.866 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056119.D
 Acq: 7 Jun 2019 23:56

Tgt Ion:105 Resp: 157628
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 0.830 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampled :

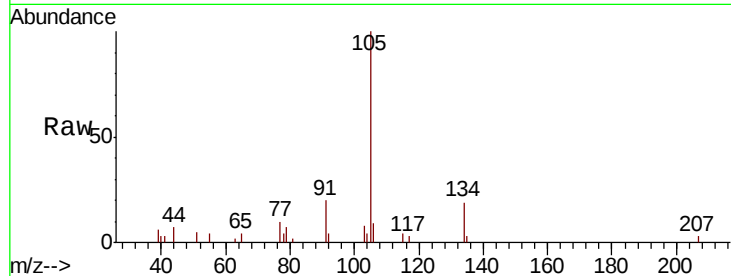
P-1-OW

Tot Ion:105 Resp: 11087

Ion Ratio Lower Upper

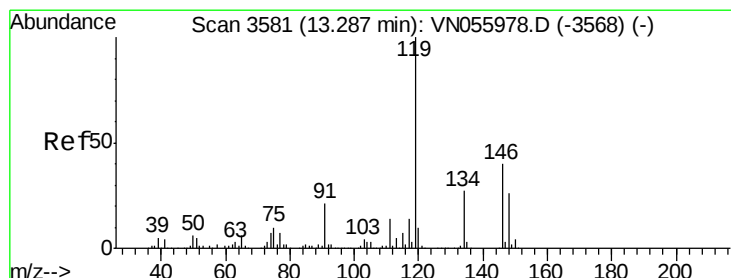
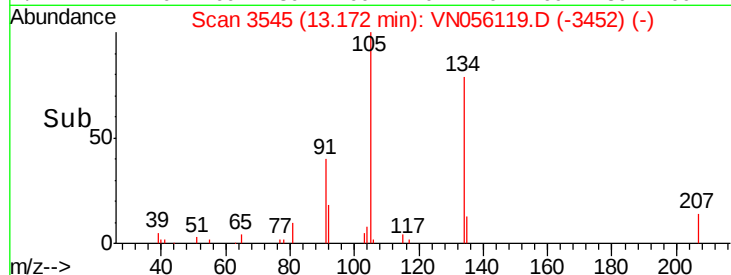
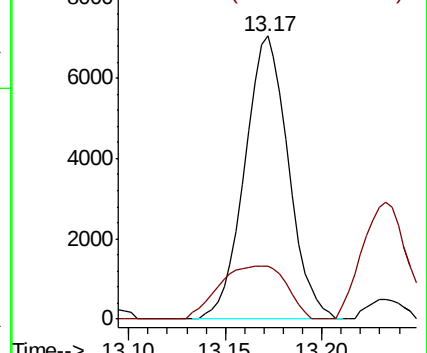
105 100

134 29.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.309 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

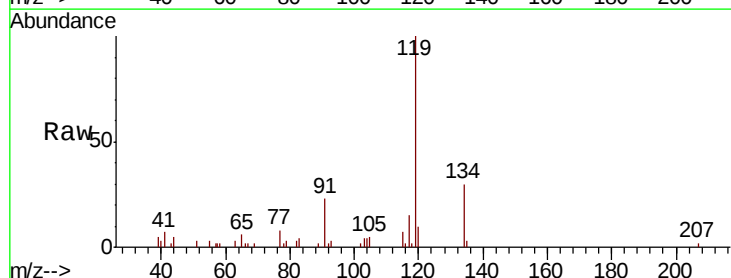
Tgt Ion:119 Resp: 15646

Ion Ratio Lower Upper

119 100

134 29.5 13.4 40.1

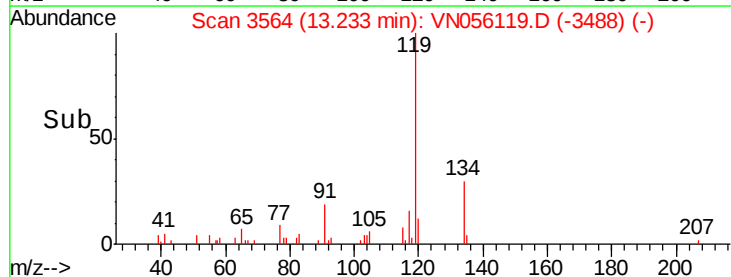
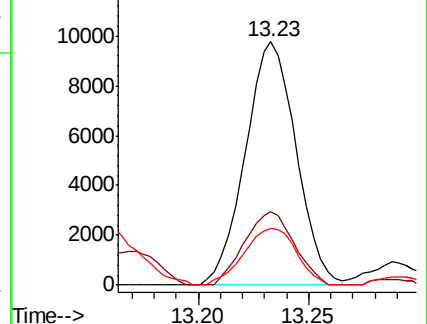
91 24.0 10.9 32.9

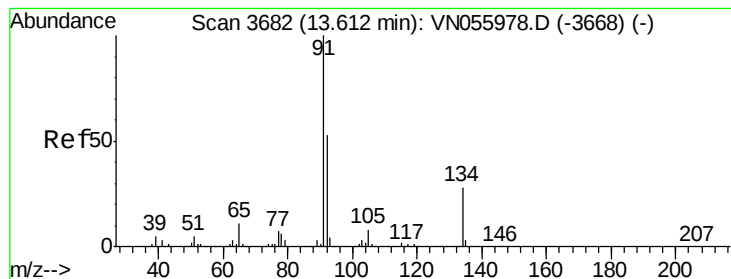


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.491 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

P-1-OW

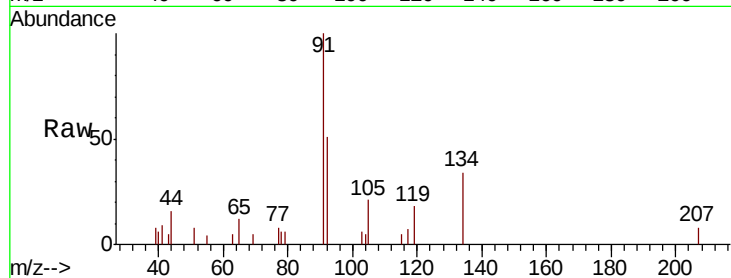
Tot Ion: 91 Resp: 4351

Ion Ratio Lower Upper

91 100

92 67.5 26.4 79.0

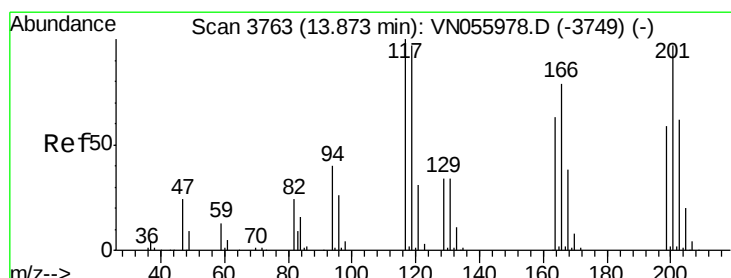
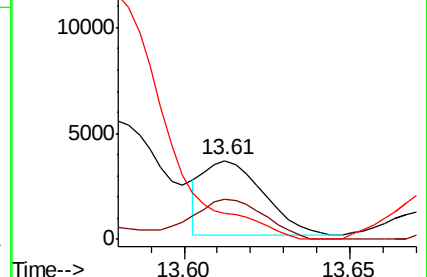
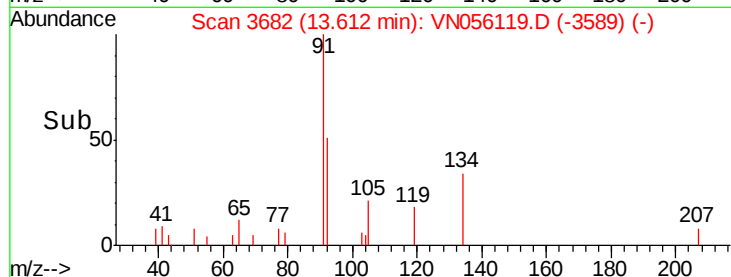
134 0.0 13.9 41.7#



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)



#90

Hexachloroethane

Concen: 3.572 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN056119.D

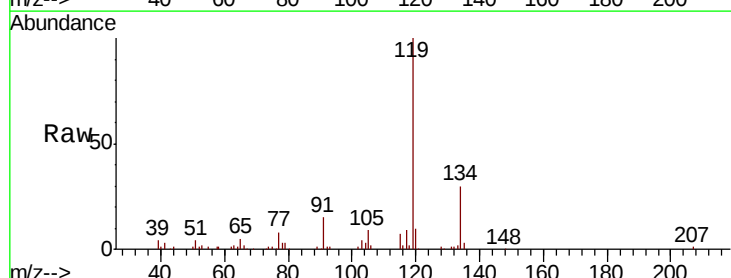
Acq: 7 Jun 2019 23:56

Tgt Ion: 117 Resp: 6439

Ion Ratio Lower Upper

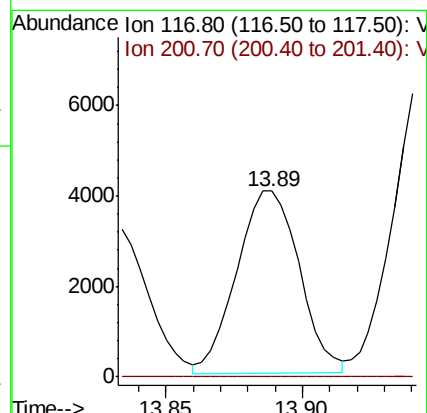
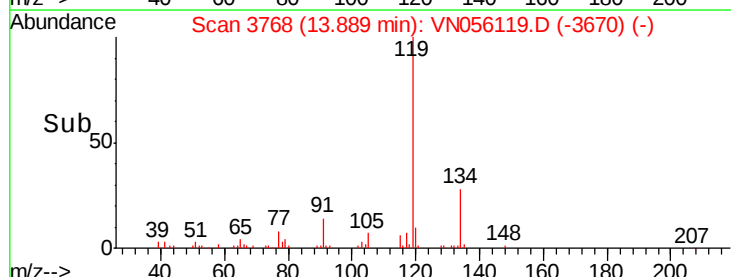
117 100

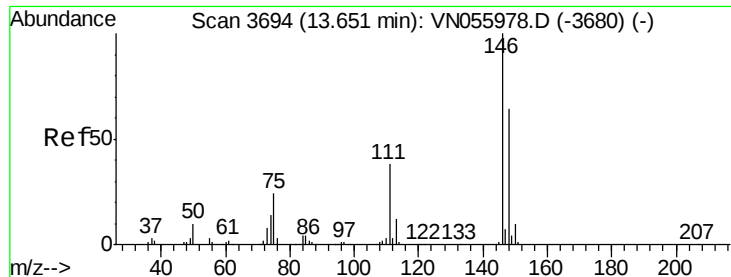
201 0.0 50.0 150.0#



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 0.346 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

Instrument :

MSVOA_N

ClientSampleId :

P-1-OW

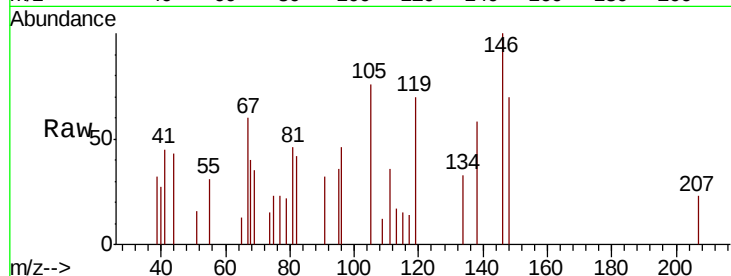
Tot Ion:146 Resp: 2066

Ion Ratio Lower Upper

146 100

111 34.4 19.1 57.5

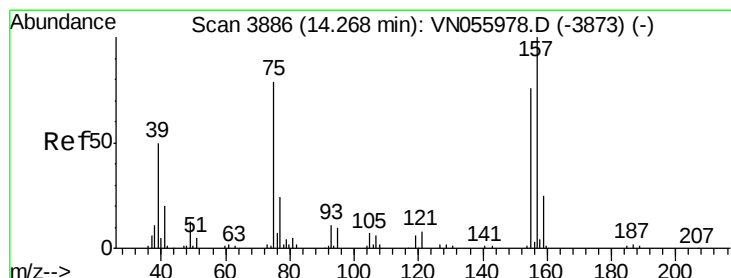
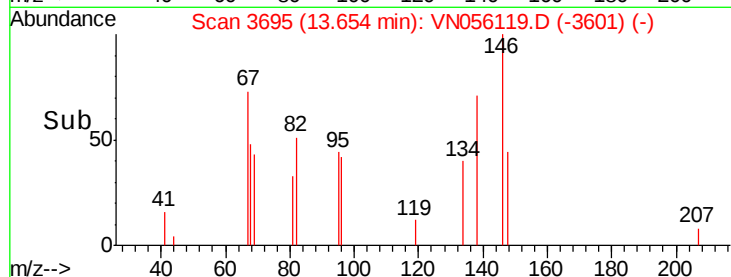
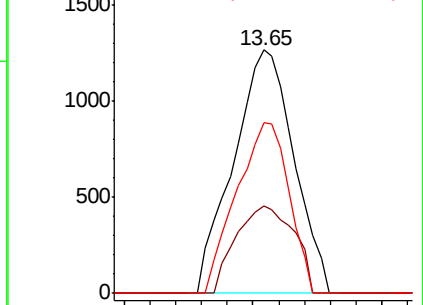
148 60.9 31.9 95.9



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: 1.272 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN056119.D

Acq: 7 Jun 2019 23:56

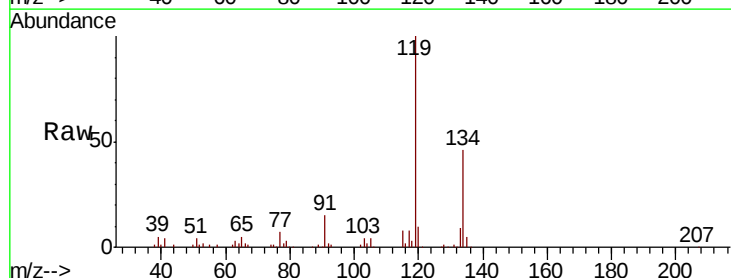
Tgt Ion: 75 Resp: 753

Ion Ratio Lower Upper

75 100

155 0.0 50.0 150.1#

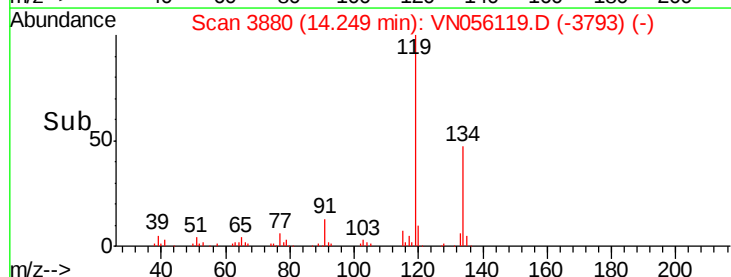
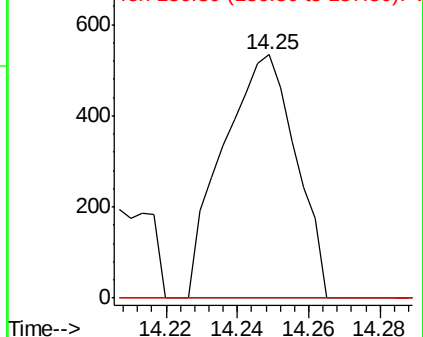
157 0.0 64.8 194.3#

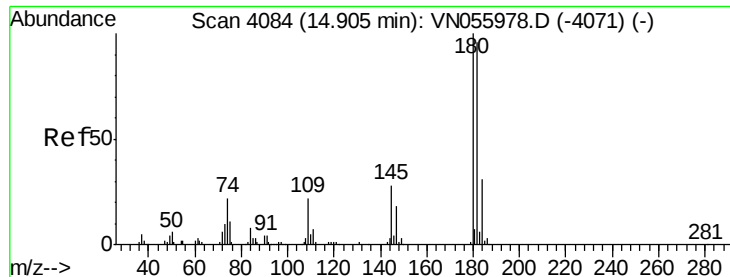


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

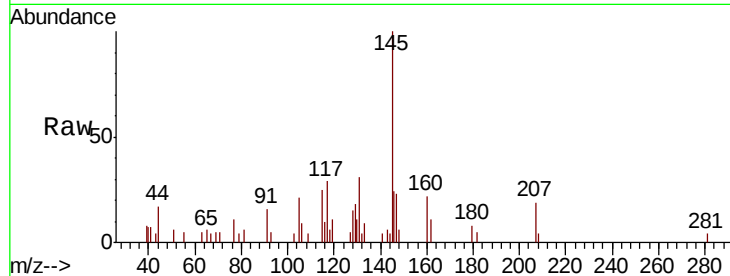




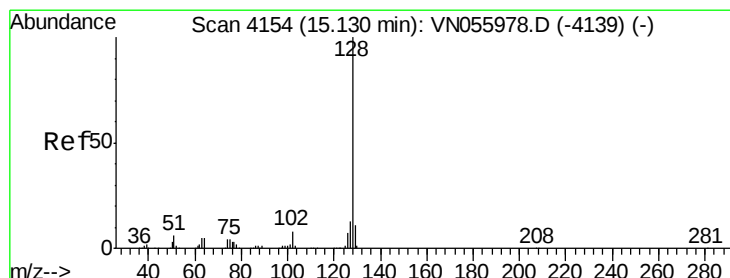
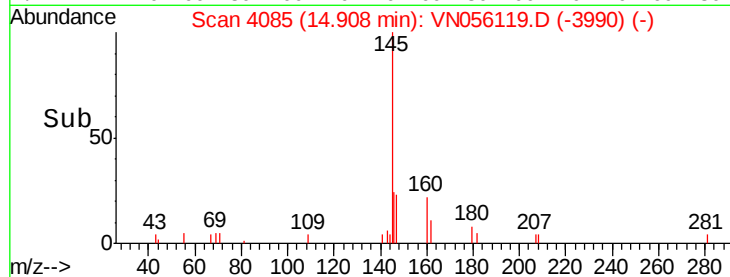
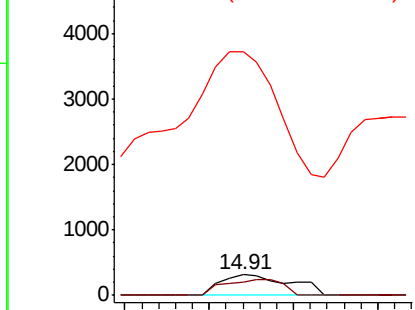
#93
 1,2,4-Trichlorobenzene
 Concen: 4.368 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056119.D
 Acq: 7 Jun 2019 23:56

Instrument :
 MSVOA_N
 ClientSampled :
 P-1-OW

Tot Ion:180 Resp: 354
 Ion Ratio Lower Upper
 180 100
 182 64.4 48.3 144.9
 145 2474.3 14.0 41.9#

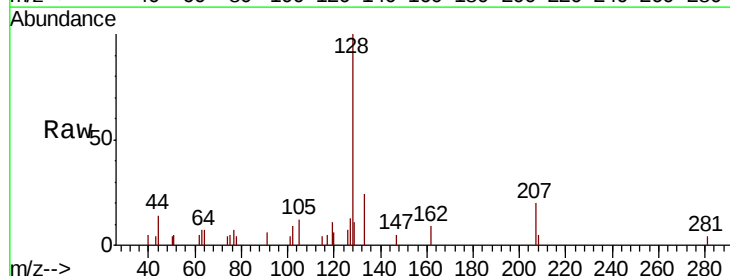


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

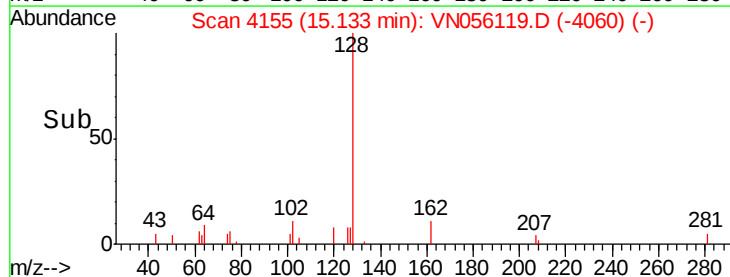
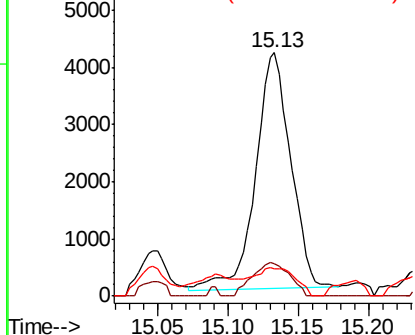


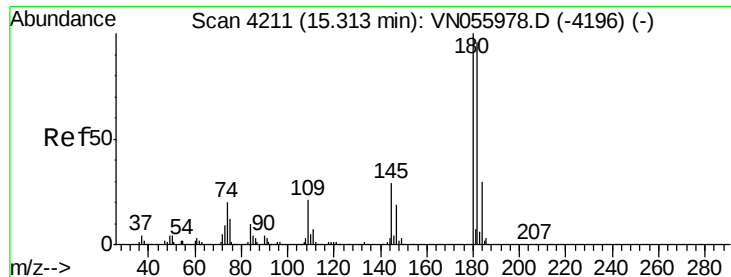
#95
 Naphthalene
 Concen: 4.629 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN056119.D
 Acq: 7 Jun 2019 23:56

Tgt Ion:128 Resp: 7187
 Ion Ratio Lower Upper
 128 100
 127 15.1 10.3 15.5
 129 13.3 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.137 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: VN056119.D
 Acq: 7 Jun 2019 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 P-1-OW

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.1	47.9	143.7
145	0.0	14.9	44.7#

