

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062619\
 Data File : VN056507.D
 Acq On : 26 Jun 2019 15:34
 Operator : JC/SP
 Sample : K3543-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 27 07:39:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	351630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	602003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170165	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	202041	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.59	113	177522	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
50) Toluene-d8	10.09	98	748192	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.40	95	236952	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	2049	3.122	ug/l #	74
16) Acetone	3.82	43	1371	0.702	ug/l	89
18) Methyl Acetate	4.34	43	5350	0.541	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	13929	1.355	ug/l	94
20) Methylene Chloride	4.55	84	831	Below Cal	#	79
21) trans-1,2-Dichloroethene	5.04	96	832	0.248	ug/l #	58
22) Diisopropyl ether	5.95	45	8945	0.824	ug/l #	89
23) Vinyl Acetate	5.95	43	3289	0.384	ug/l #	72
24) 1,1-Dichloroethane	5.85	63	5393	0.865	ug/l #	84
27) cis-1,2-Dichloroethene	6.83	96	68273	17.425	ug/l	90
30) Chloroform	7.37	83	7343	1.194	ug/l	95
31) Cyclohexane	7.66	56	6508	1.081	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22433	4.234	ug/l #	48
38) Carbon Tetrachloride	7.67	117	29698	6.409	ug/l #	15
40) Benzene	8.04	78	14030	0.861	ug/l	99
42) 1,2-Dichloroethane	8.13	62	1583	0.294	ug/l #	74
43) Isopropyl Acetate	8.30	43	35023	4.362	ug/l #	54
44) Trichloroethene	8.83	130	48912	11.140	ug/l	98
59) 2-Hexanone	10.76	43	896	0.235	ug/l #	24
60) Dibromochloromethane	10.63	129	55603	15.244	ug/l #	10
64) Tetrachloroethene	10.63	164	70485	15.022	ug/l	98
71) Bromoform	12.40	173	1735	3.643	ug/l #	1
73) Isopropylbenzene	12.24	105	340	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	12.51	83	29	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	110317	31.265	ug/l #	100
79) 2-Chlorotoluene	12.67	91	93	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	102	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	110317	111.122	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.91	180	100	5.644	ug/l #	39
94) Hexachlorobutadiene	15.01	225	29	Below Cal	#	18
95) Naphthalene	15.14	128	849	5.342	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.32	180	236	4.551	ug/l #	49

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Response via : Initial Calibration

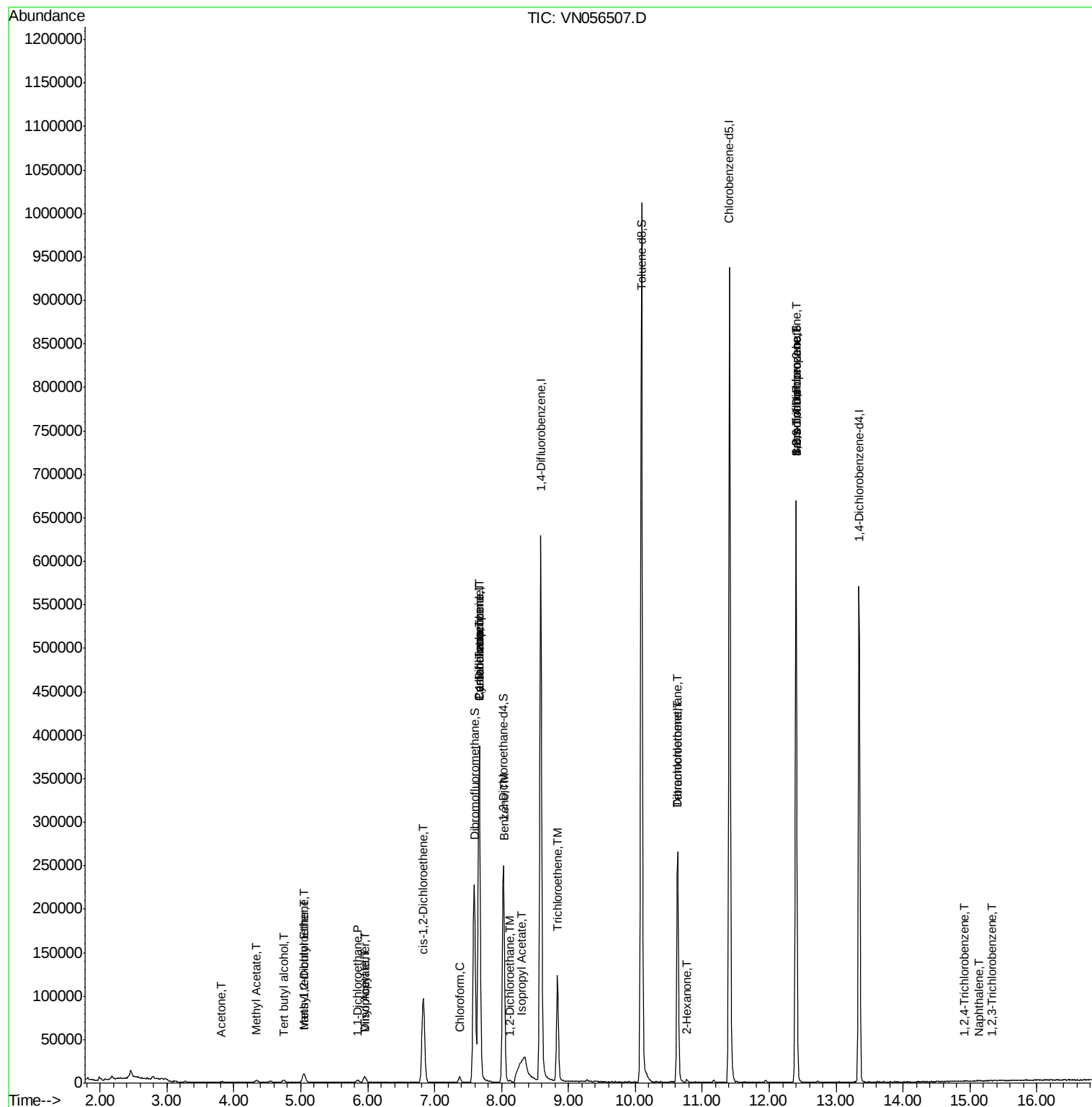
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

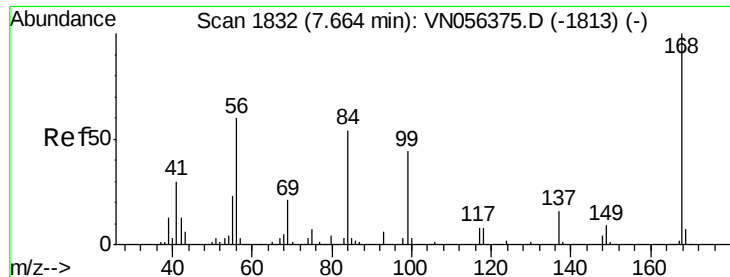
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

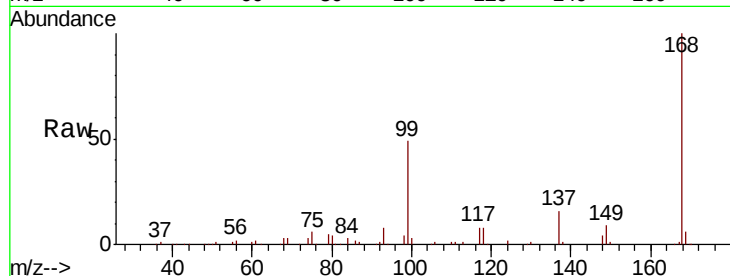
ClientSampled :

Tot Ion:168 Resp: 351630

Ion Ratio Lower Upper

168 100

99 49.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

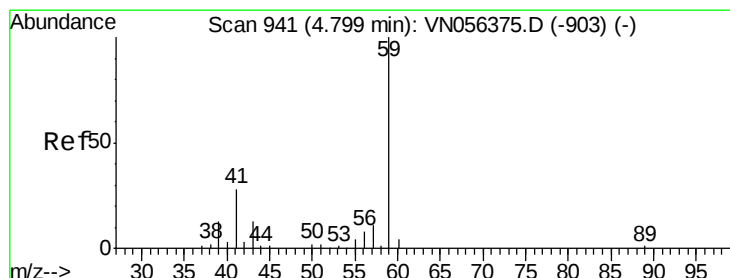
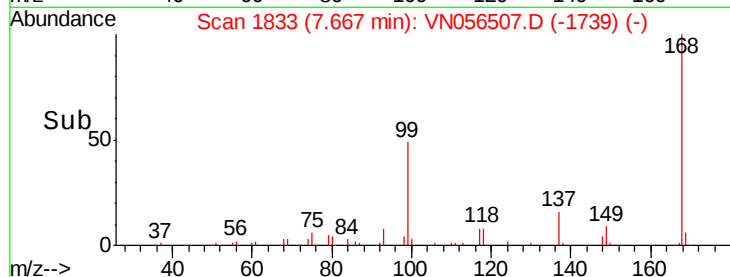
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.122 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.06 min

Lab File: VN056507.D

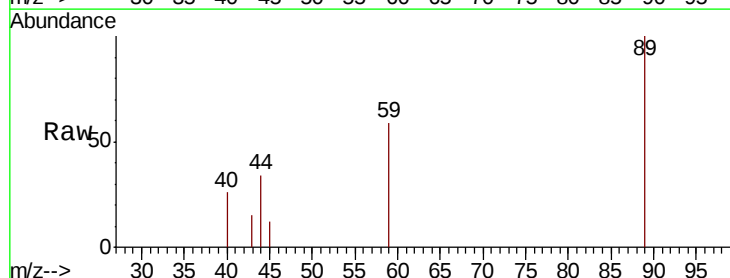
Acq: 26 Jun 2019 15:34

Tgt Ion: 59 Resp: 2049

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN056375.D (-903) (-)

Ion 57.00 (56.70 to 57.70): VN056375.D (-903) (-)

4.74

800

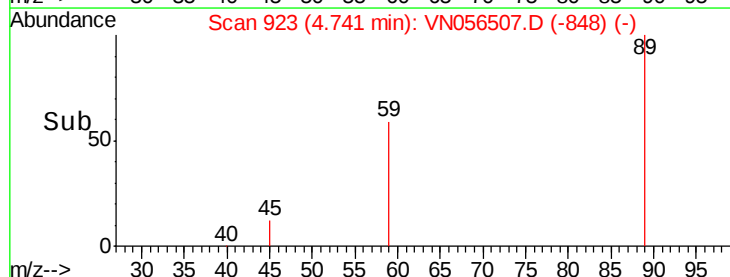
600

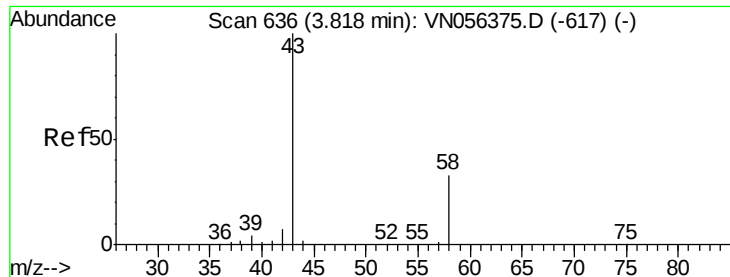
400

200

0

Time-->





#16

Acetone

Concen: 0.702 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

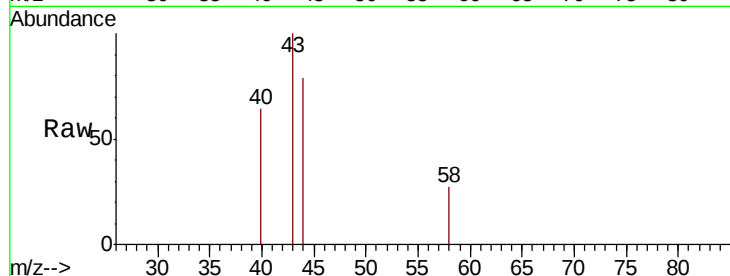
ClientSampled :

Tot Ion: 43 Resp: 1371

Ion Ratio Lower Upper

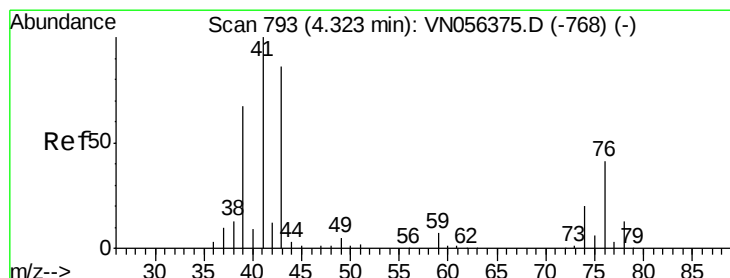
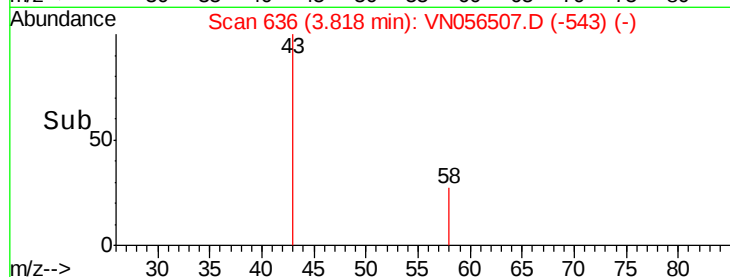
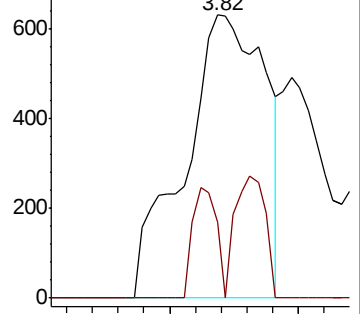
43 100

58 26.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.541 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056507.D

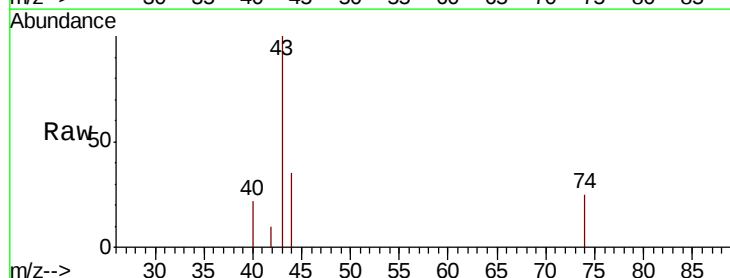
Acq: 26 Jun 2019 15:34

Tgt Ion: 43 Resp: 5350

Ion Ratio Lower Upper

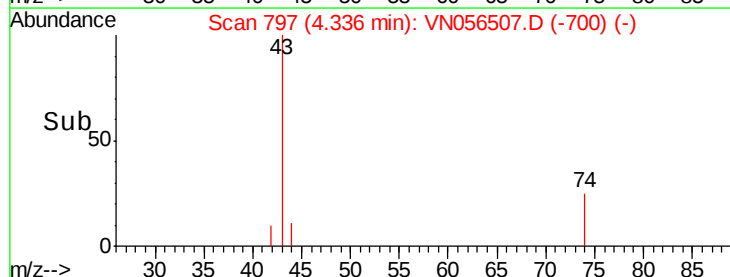
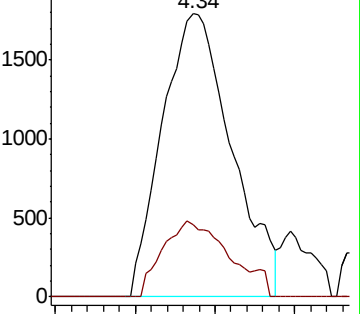
43 100

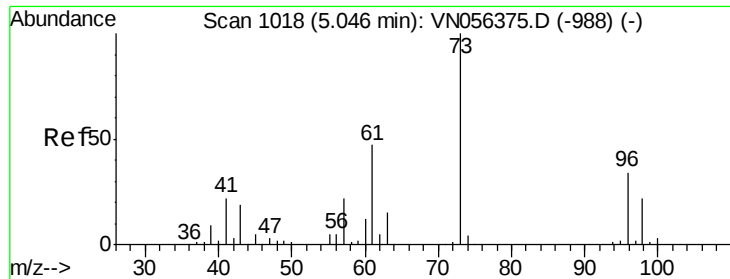
74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

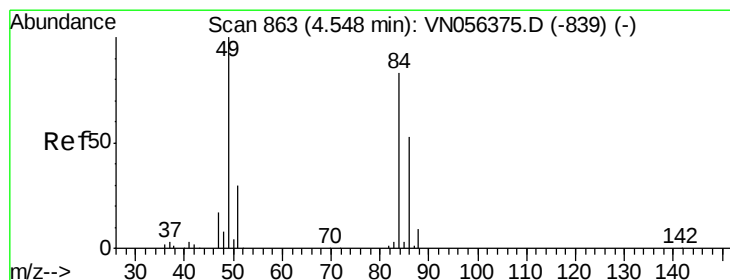
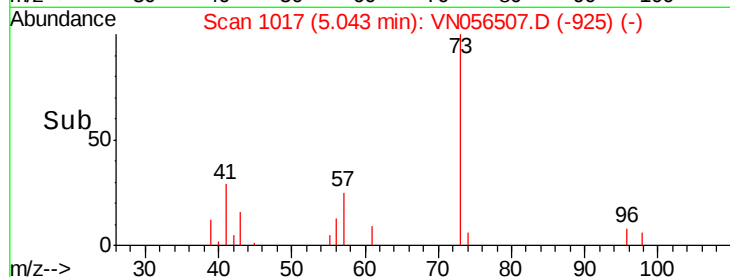
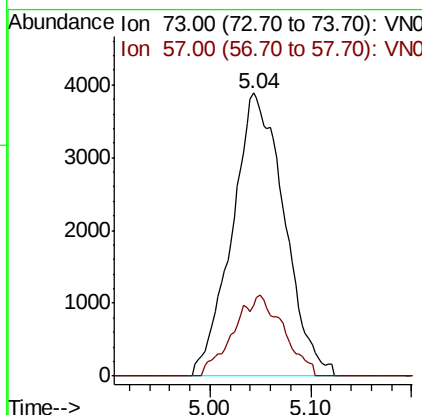
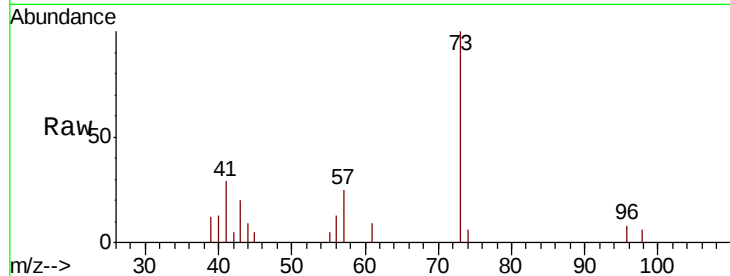




#19
Methvl tert-butvl Ether
Concen: 1.355 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056507.D
Acq: 26 Jun 2019 15:34

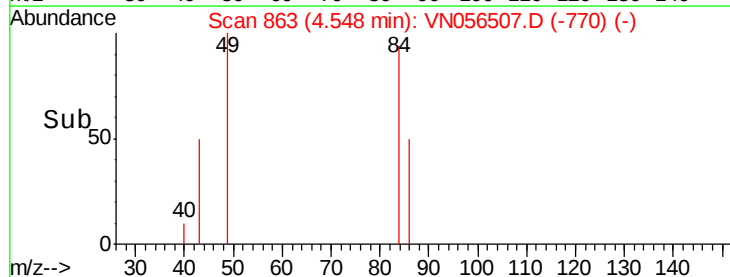
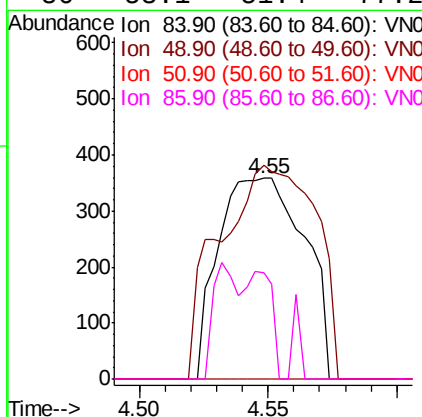
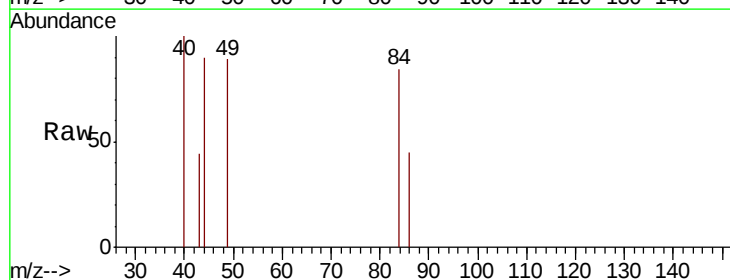
Instrument :
MSVOA_N
ClientSampleId :

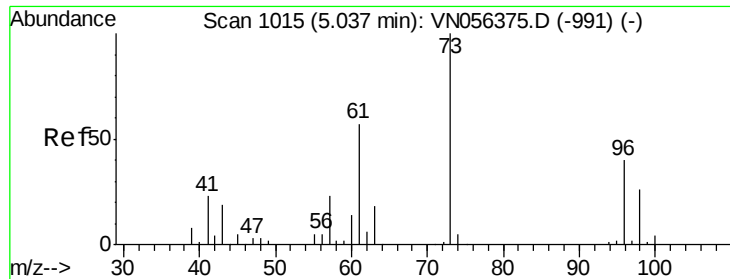
Tot Ion: 73 Resp: 13929
Ion Ratio Lower Upper
73 100
57 25.1 17.9 26.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056507.D
Acq: 26 Jun 2019 15:34

Tgt Ion: 84 Resp: 831
Ion Ratio Lower Upper
84 100
49 106.4 96.4 144.6
51 0.0 28.6 43.0#
86 53.1 51.4 77.2

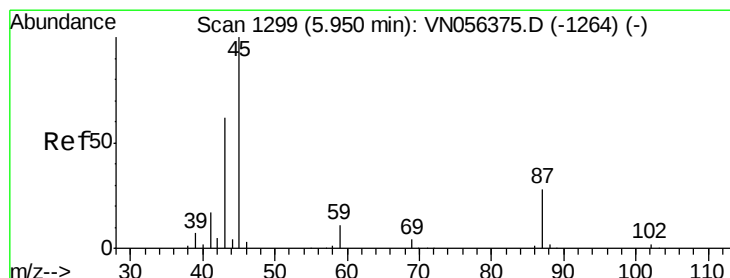
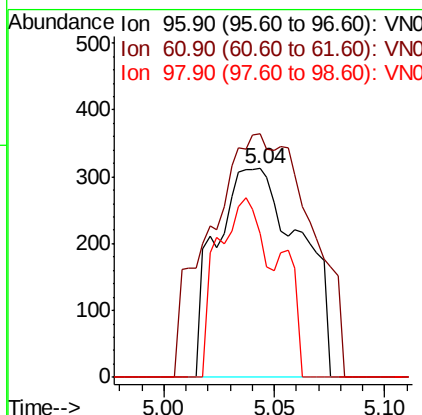
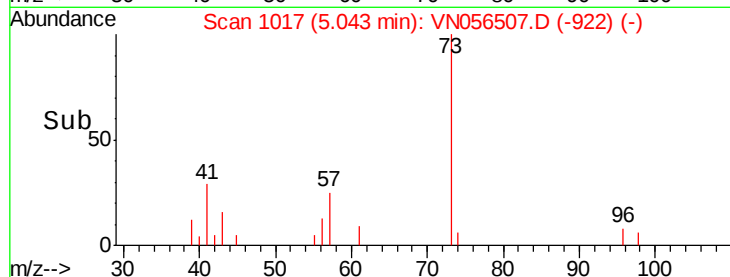
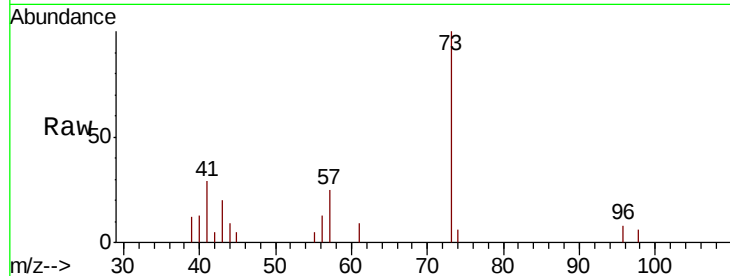




#21
trans-1,2-Dichloroethene
Concen: 0.248 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN056507.D
Acq: 26 Jun 2019 15:34

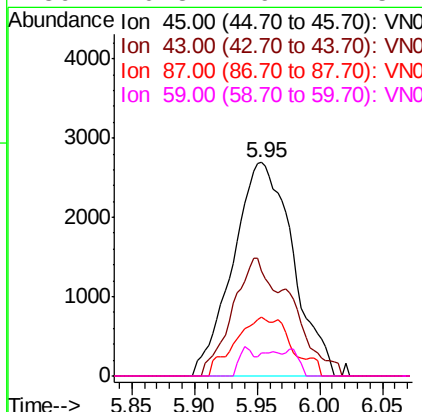
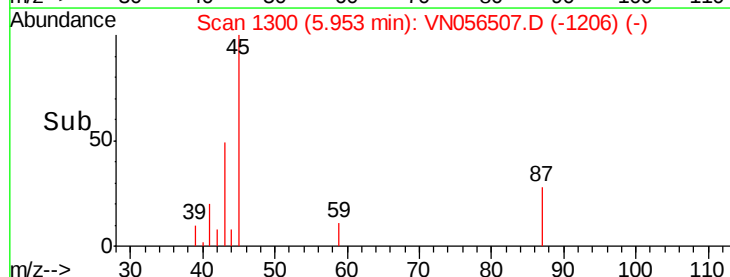
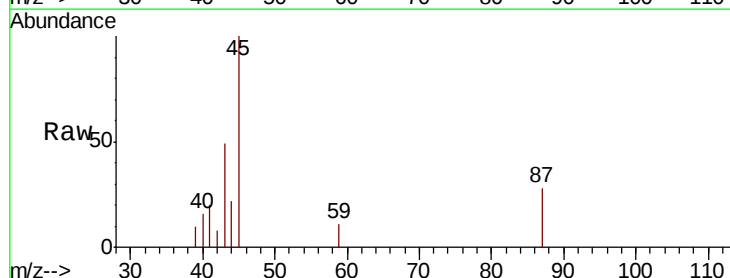
Instrument :
MSVOA_N
ClientSampled :

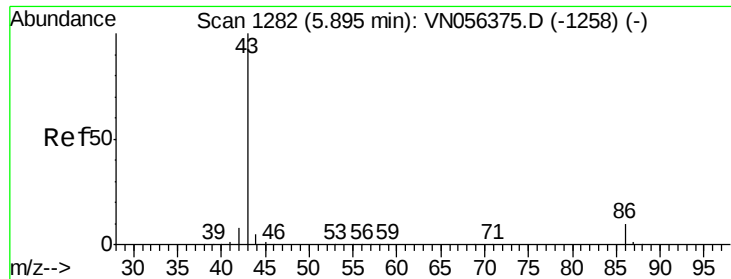
Tot Ion: 96 Resp: 832
Ion Ratio Lower Upper
96 100
61 68.3 113.0 169.6#
98 68.9 52.2 78.2



#22
Diisopropyl ether
Concen: 0.824 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056507.D
Acq: 26 Jun 2019 15:34

Tgt Ion: 45 Resp: 8945
Ion Ratio Lower Upper
45 100
43 49.4 50.4 75.6#
87 27.7 23.0 34.4
59 10.8 9.1 13.7

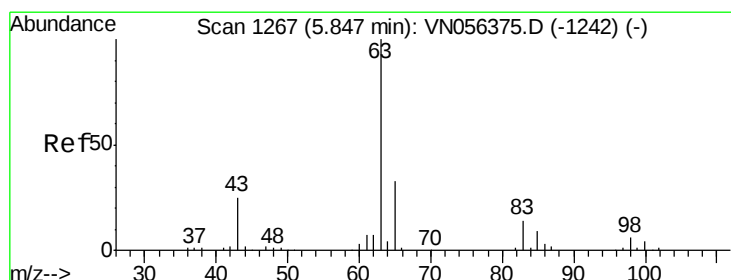
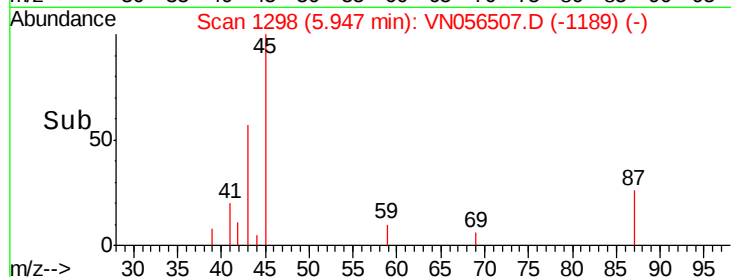
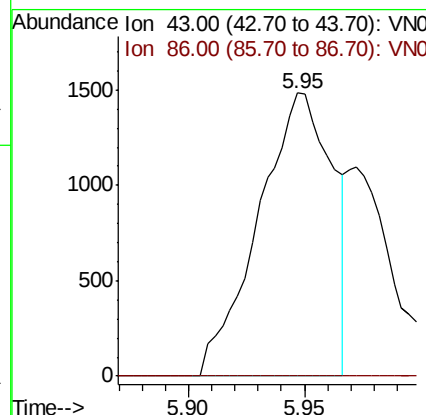
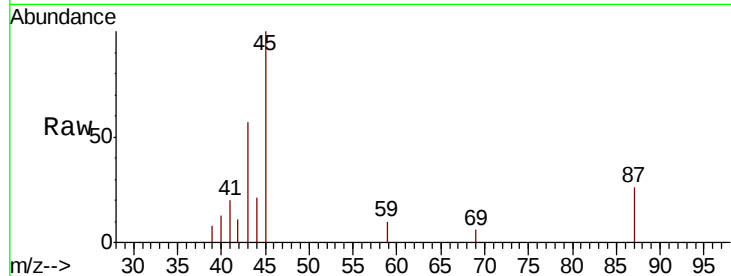




#23
 Vinyl Acetate
 Concen: 0.384 ug/l
 RT: 5.95 min Scan# 1298
 Delta R.T. 0.05 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

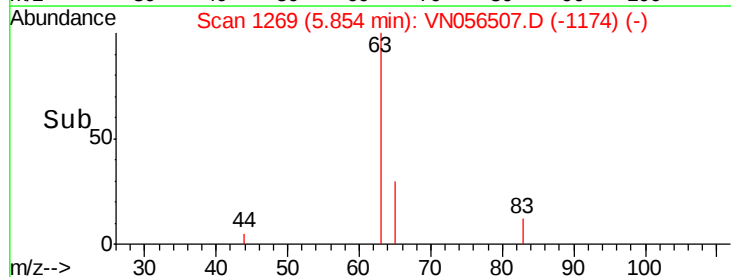
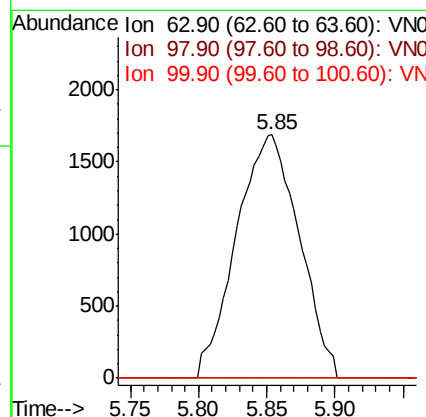
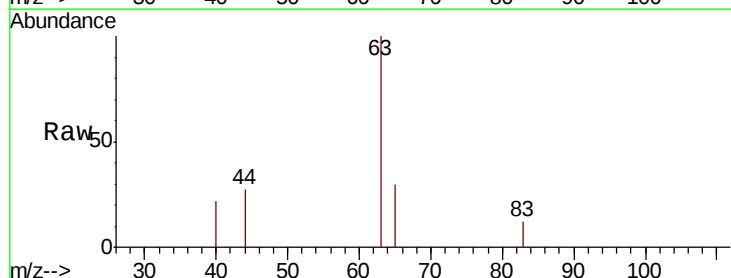
Instrument :
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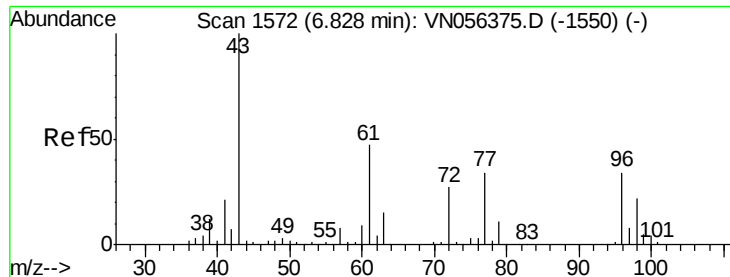
Tot Ion: 43 Resp: 3289
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.3 12.5#



#24
 1,1-Dichloroethane
 Concen: 0.865 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

Tgt Ion: 63 Resp: 5393
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.2 9.6#
 100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 17.425 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :
MSVOA_N
ClientSampled :

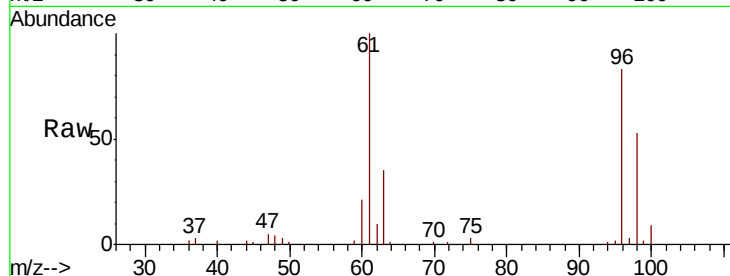
Tot Ion: 96 Resp: 68273

Ion Ratio Lower Upper

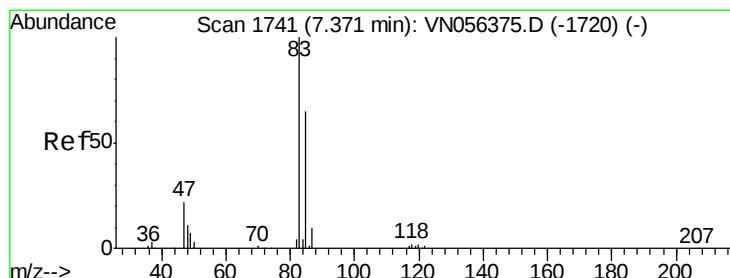
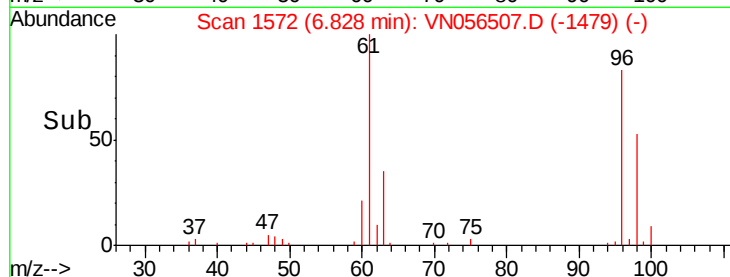
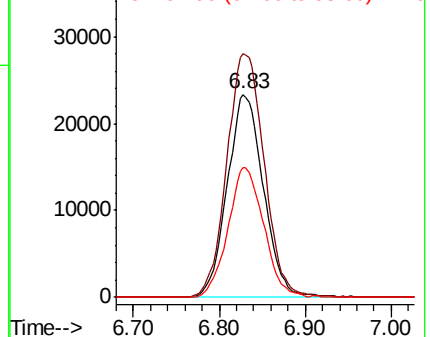
96 100

61 123.6 0.0 279.8

98 63.0 0.0 130.0



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



#30

Chloroform

Concen: 1.194 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN056507.D

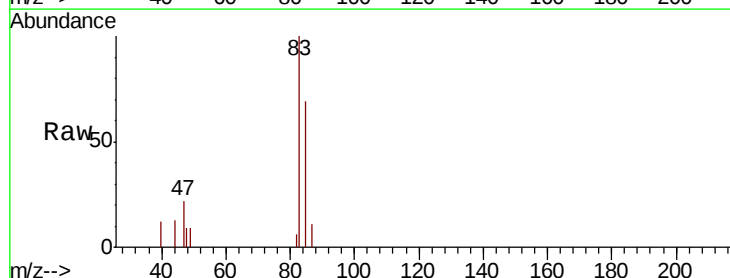
Acq: 26 Jun 2019 15:34

Tgt Ion: 83 Resp: 7343

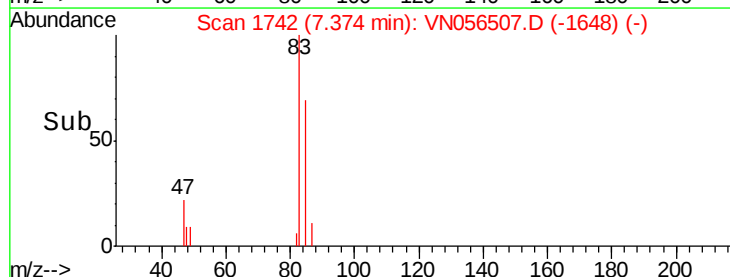
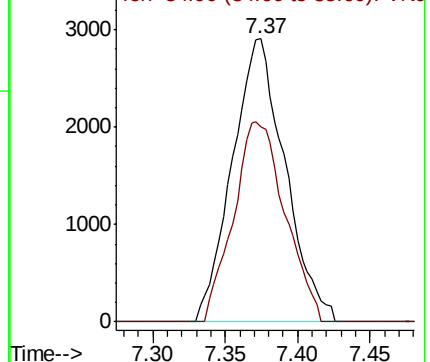
Ion Ratio Lower Upper

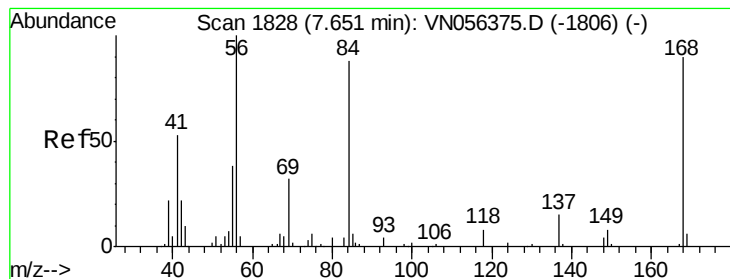
83 100

85 69.1 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.081 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

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Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

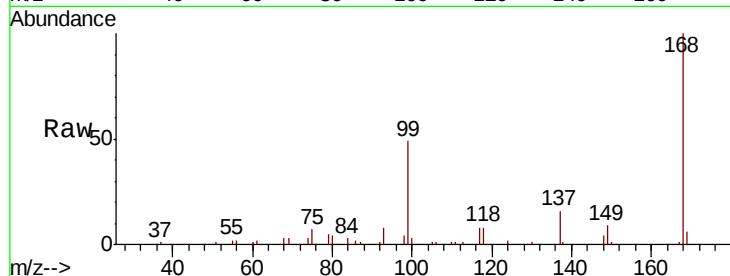
Tot Ion: 56 Resp: 6508

Ion Ratio Lower Upper

56 100

69 172.7 25.8 38.6#

84 148.2 69.4 104.0#

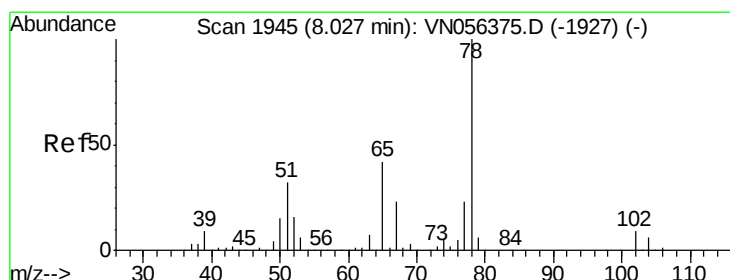
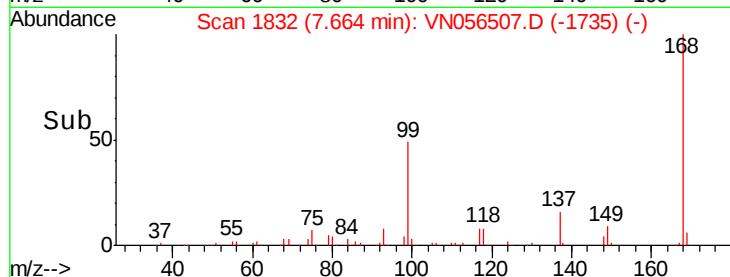
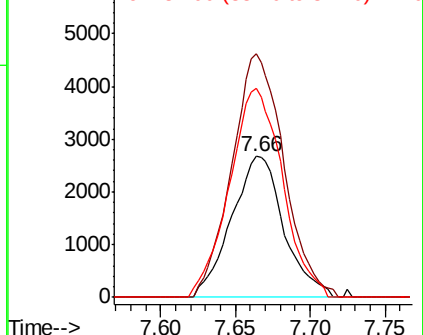


Abundance

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: 51.843 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056507.D

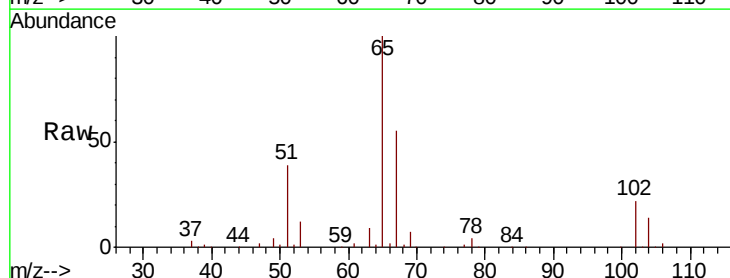
Acq: 26 Jun 2019 15:34

Tgt Ion: 65 Resp: 202041

Ion Ratio Lower Upper

65 100

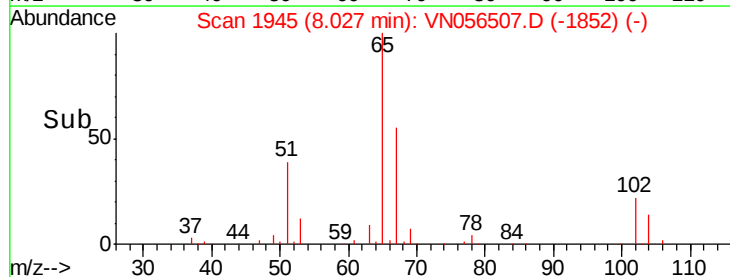
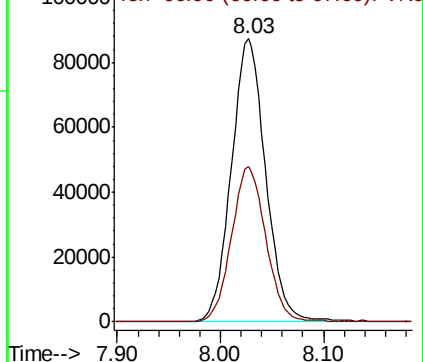
67 55.0 0.0 109.0

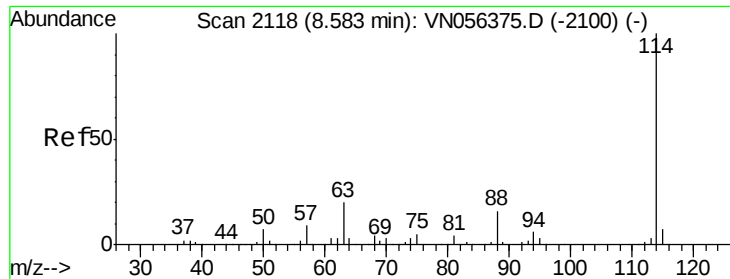


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

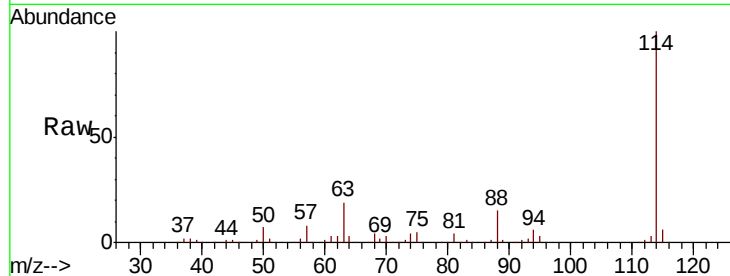




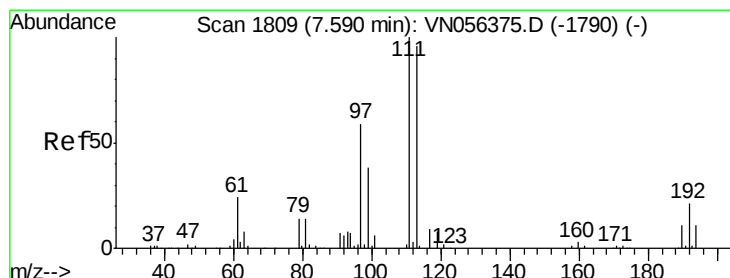
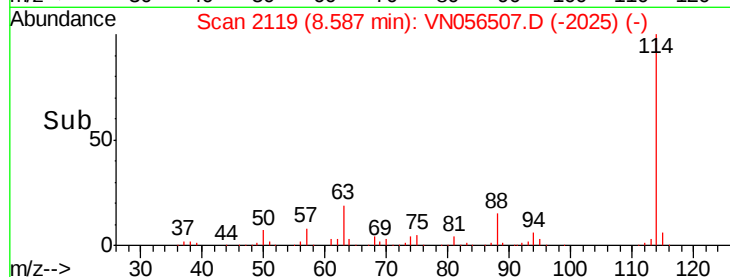
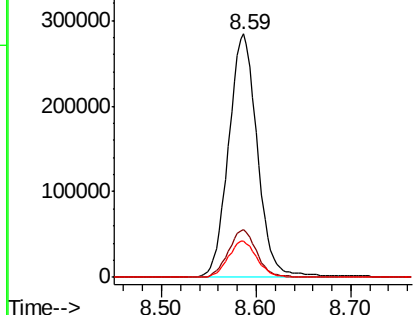
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 602003
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 14.9 0.0 31.4

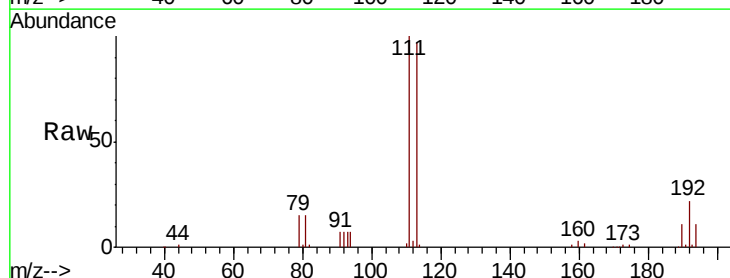


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

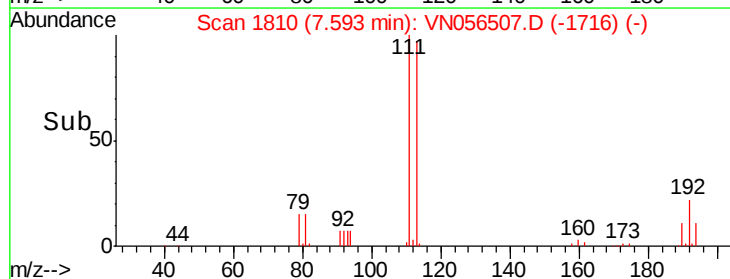
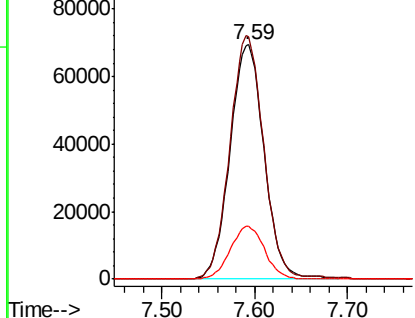


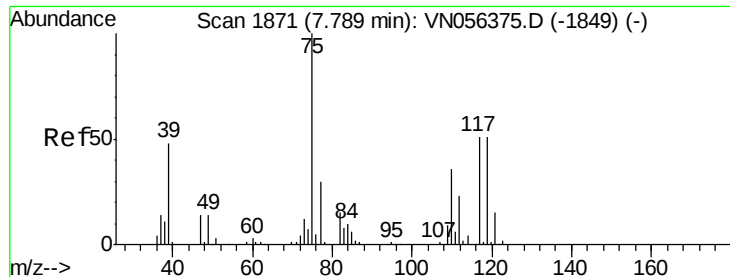
#35
 Dibromofluoromethane
 Concen: 47.270 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

Tgt Ion:113 Resp: 177522
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 22.7 17.7 26.5



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: 4.234 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :
MSVOA_N
ClientSampleId :

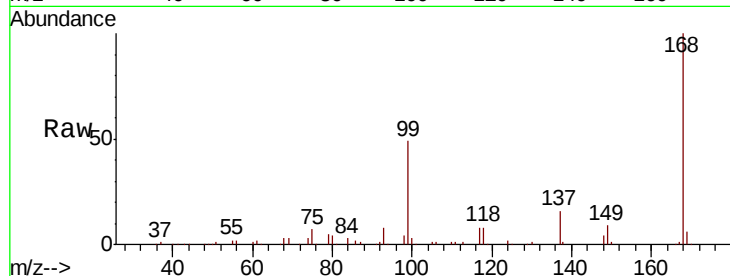
Tot Ion: 75 Resp: 22433

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.3#

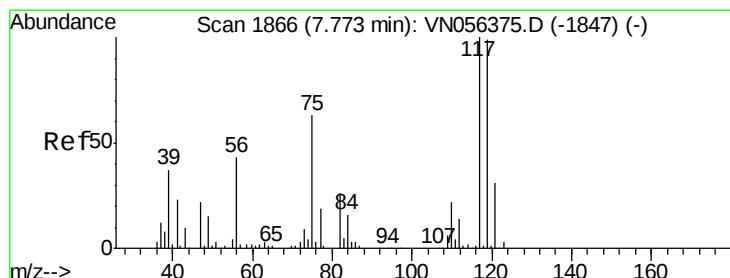
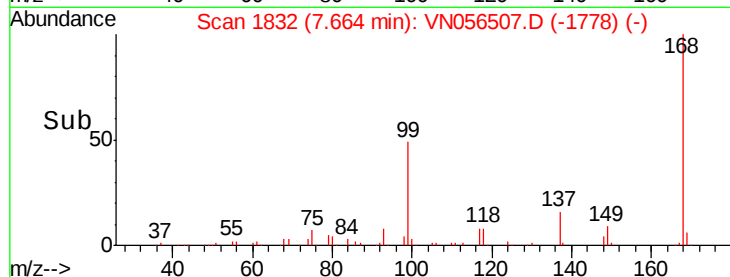
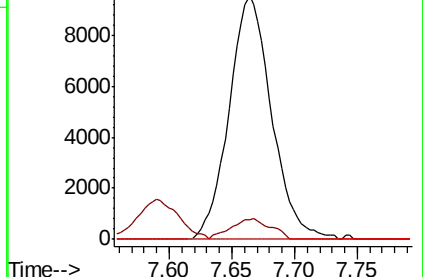
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN056375.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN056375.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN056375.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 6.409 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

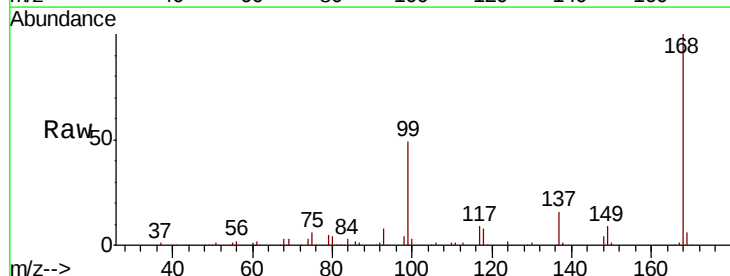
Tgt Ion: 117 Resp: 29698

Ion Ratio Lower Upper

117 100

119 4.9 79.1 118.7#

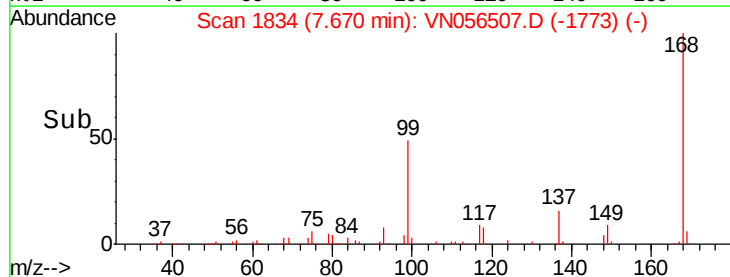
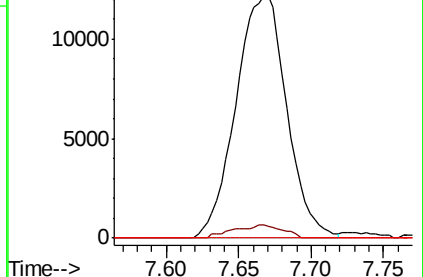
121 0.0 24.8 37.2#

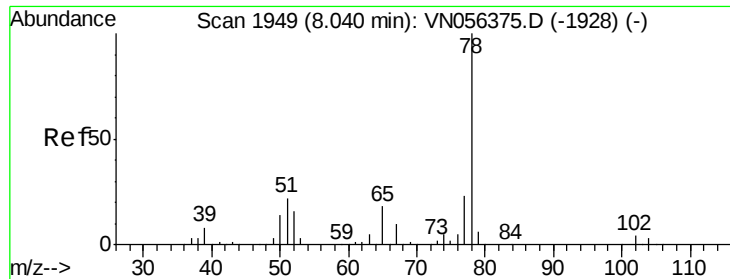


Abundance Ion 116.80 (116.50 to 117.50): VN056375.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN056375.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN056375.D (-1847) (-)





#40

Benzene

Concen: 0.861 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

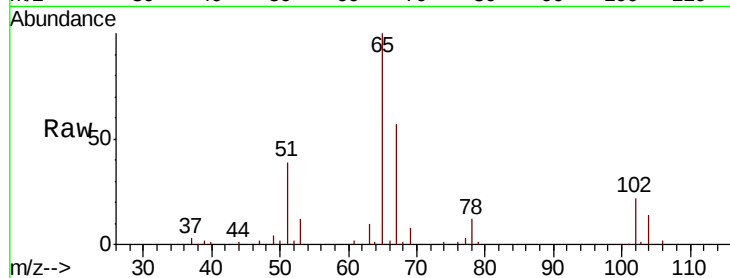
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 14030

Ion Ratio Lower Upper

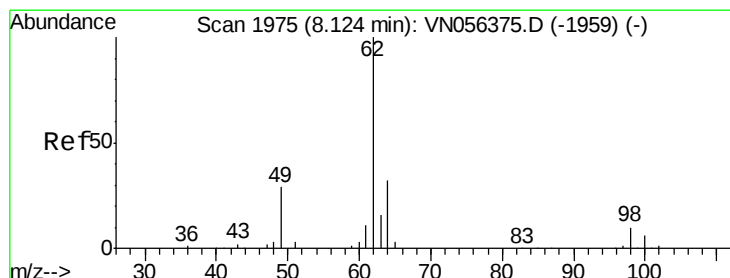
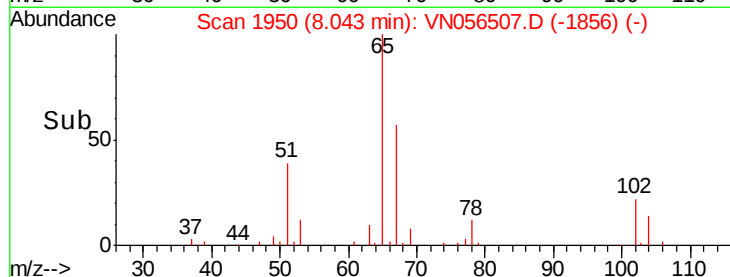
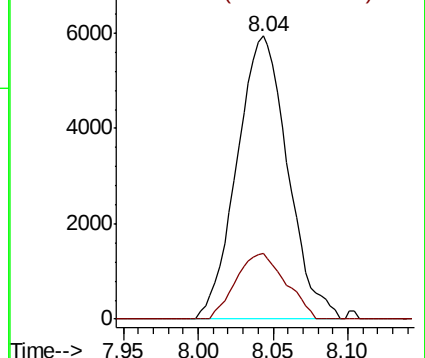
78 100

77 23.2 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

1,2-Dichloroethane

Concen: 0.294 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN056507.D

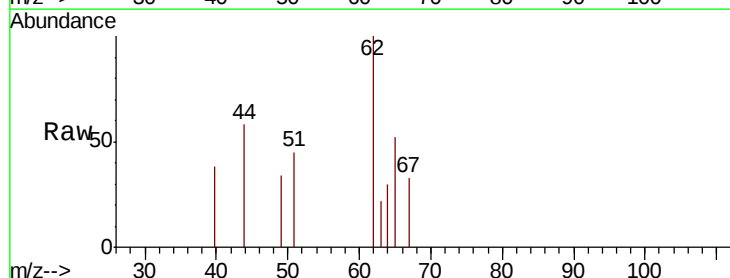
Acq: 26 Jun 2019 15:34

Tgt Ion: 62 Resp: 1583

Ion Ratio Lower Upper

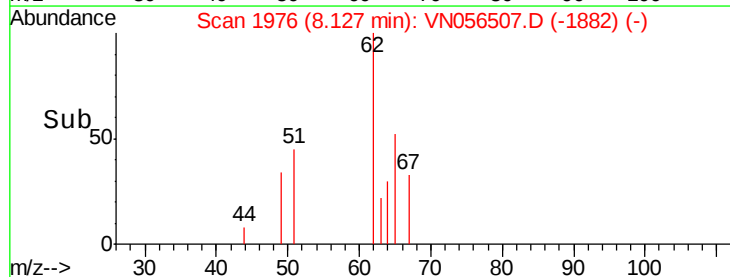
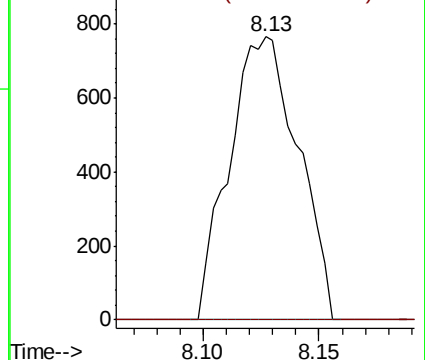
62 100

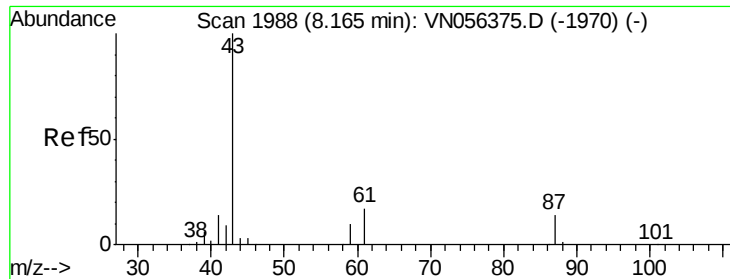
98 0.0 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 4.362 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

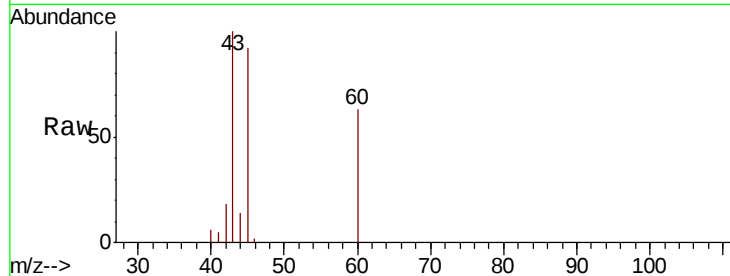
Tot Ion: 43 Resp: 35023

Ion Ratio Lower Upper

43 100

61 0.5 22.0 33.0#

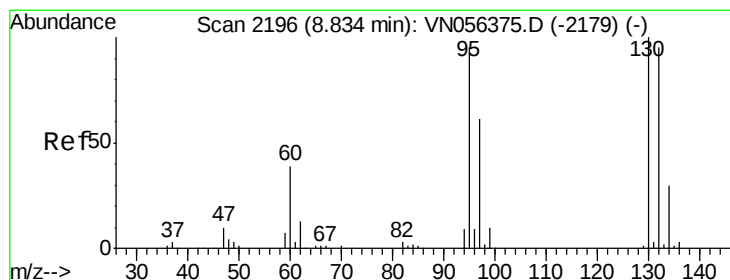
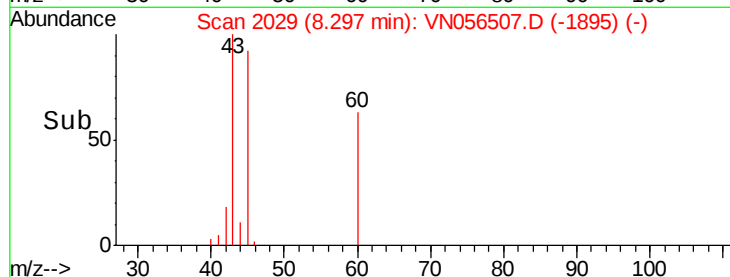
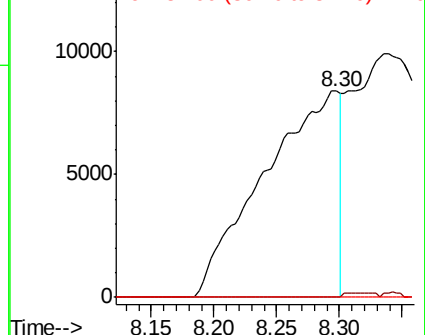
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 11.140 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056507.D

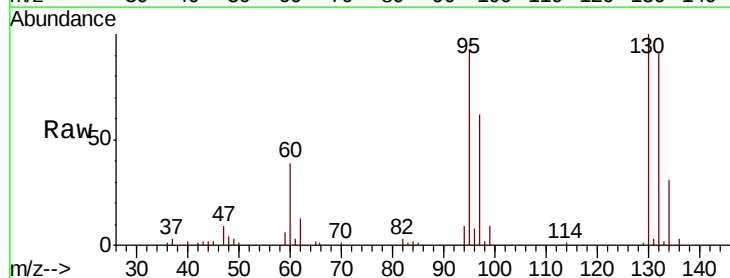
Acq: 26 Jun 2019 15:34

Tgt Ion:130 Resp: 48912

Ion Ratio Lower Upper

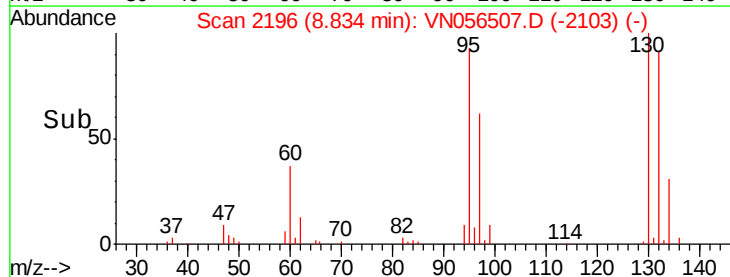
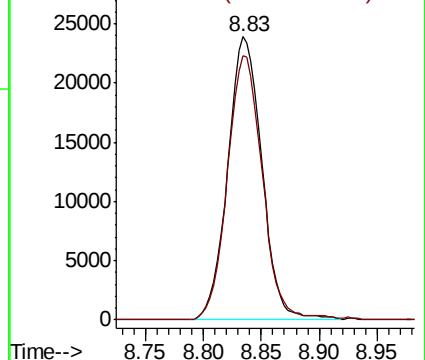
130 100

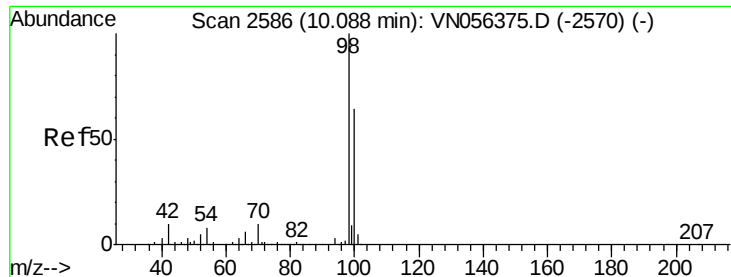
95 93.3 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)





#50

Toluene-d8

Concen: 51.201 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

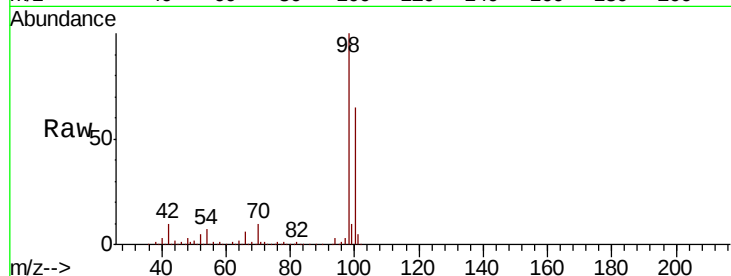
ClientSampled :

Tot Ion: 98 Resp: 748192

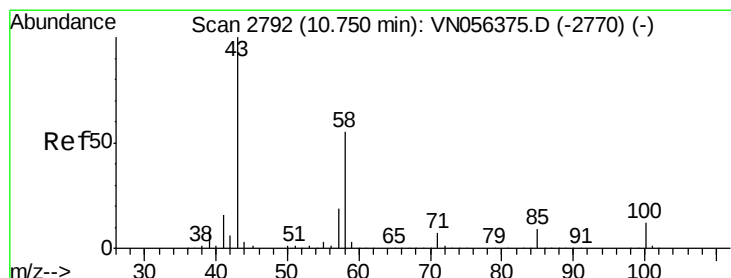
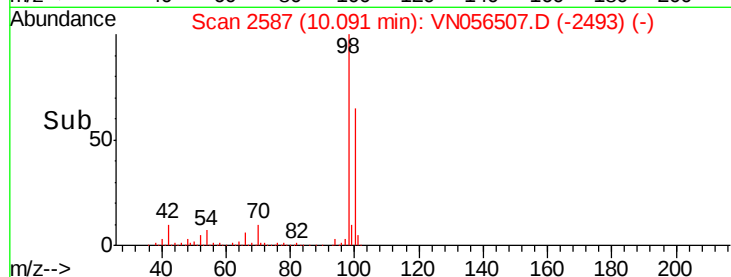
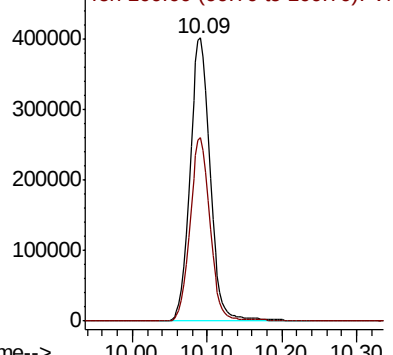
Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)



#59

2-Hexanone

Concen: 0.235 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN056507.D

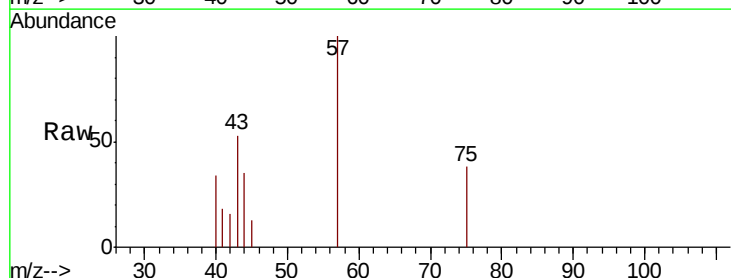
Acq: 26 Jun 2019 15:34

Tgt Ion: 43 Resp: 896

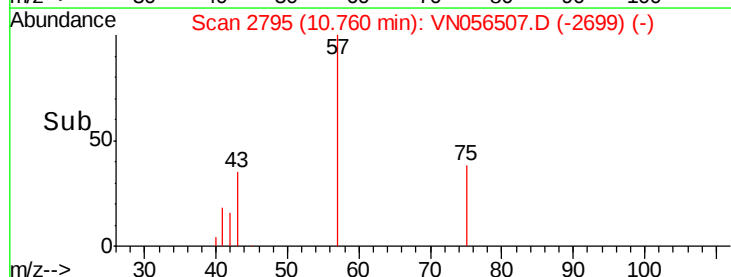
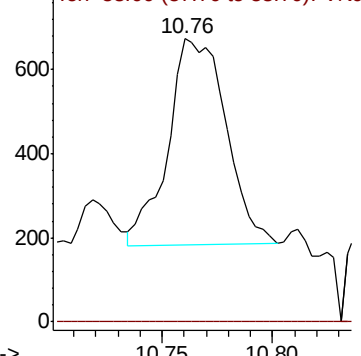
Ion Ratio Lower Upper

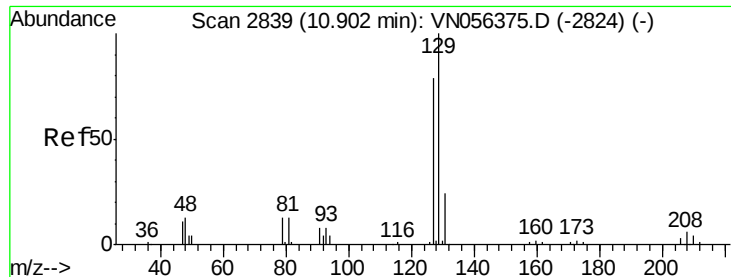
43 100

58 0.0 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-2770) (-)

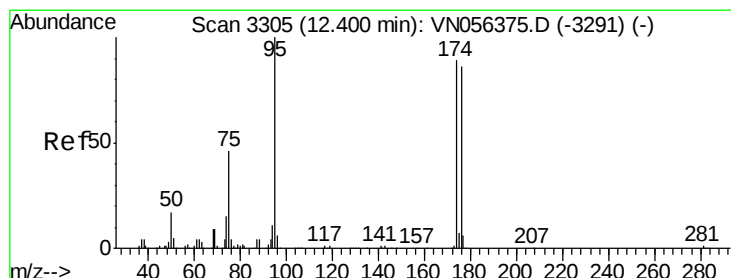
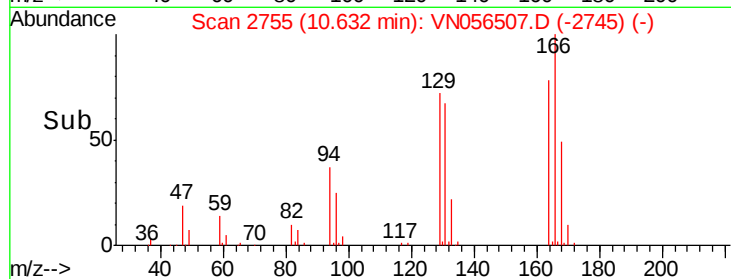
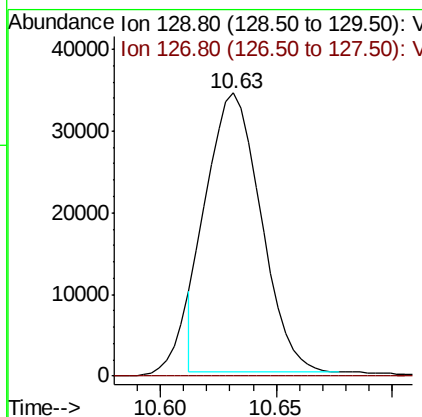
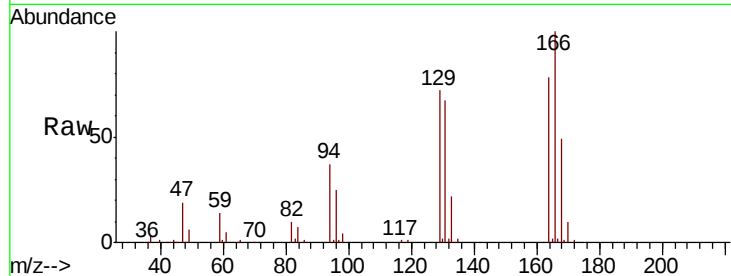




#60
 Dibromochloromethane
 Concen: 15.244 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. -0.27 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

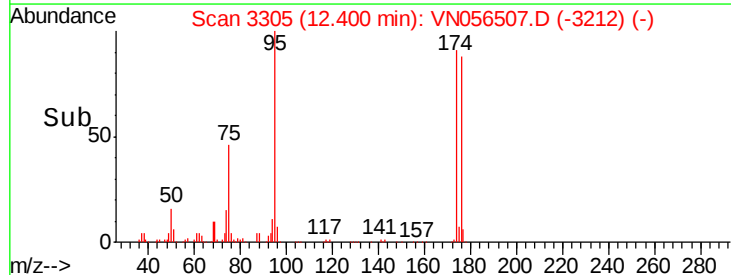
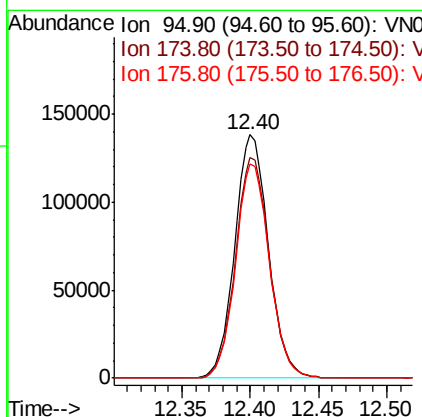
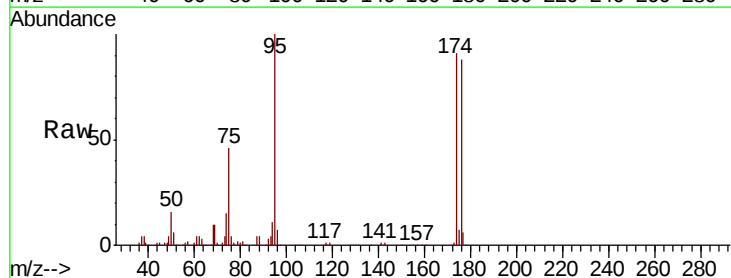
Instrument :
 MSVOA_N
 ClientSampled :

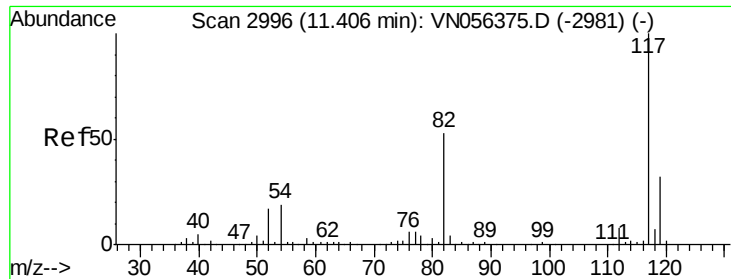
Tot Ion:129 Resp: 55603
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 48.642 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

Tgt Ion: 95 Resp: 236952
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 179.4
 176 88.5 0.0 173.4

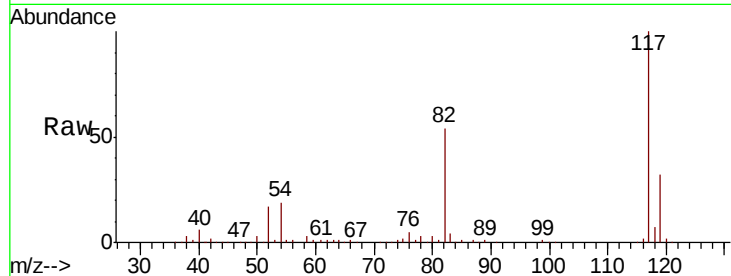




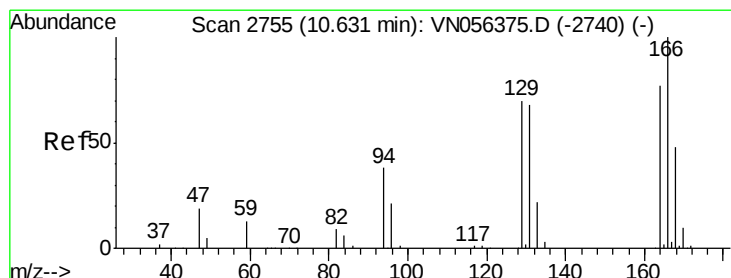
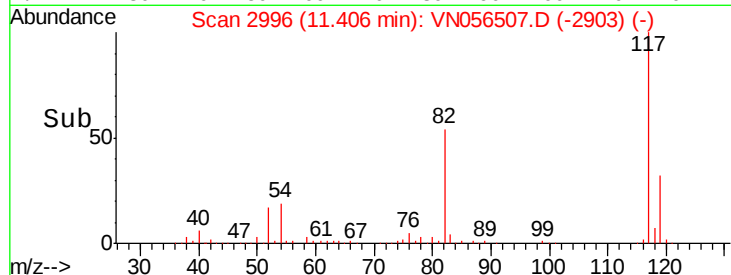
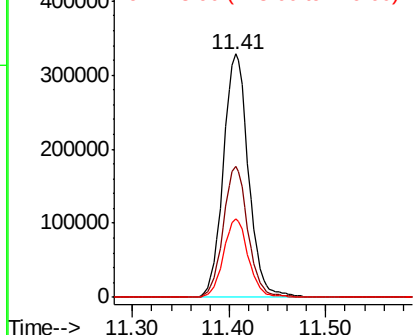
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056507.D
Acq: 26 Jun 2019 15:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 592499
Ion Ratio Lower Upper
117 100
82 54.0 42.0 63.0
119 32.2 25.3 37.9

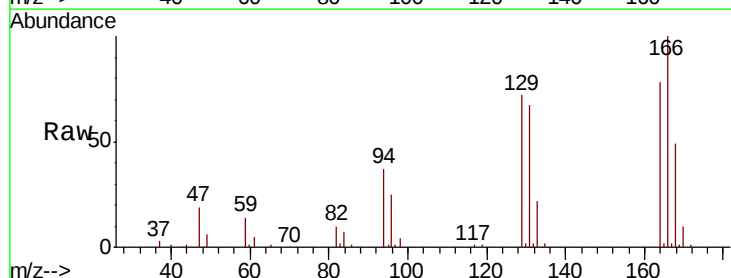


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

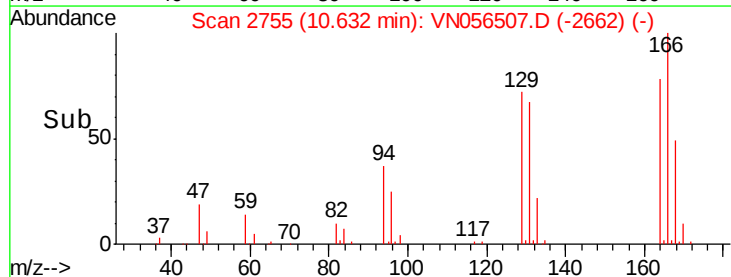
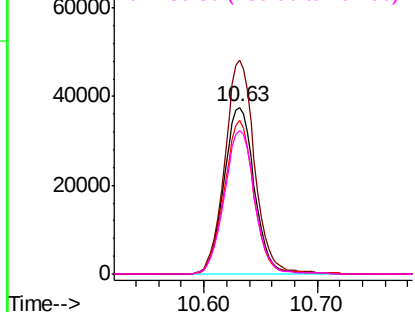


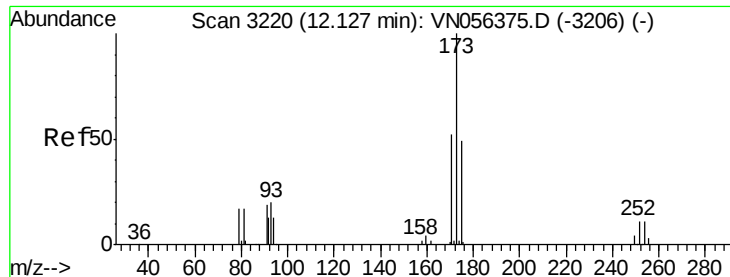
#64
Tetrachloroethene
Concen: 15.022 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056507.D
Acq: 26 Jun 2019 15:34

Tgt Ion:164 Resp: 70485
Ion Ratio Lower Upper
164 100
166 128.0 103.4 155.0
129 92.1 72.0 108.0
131 86.2 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 3.643 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

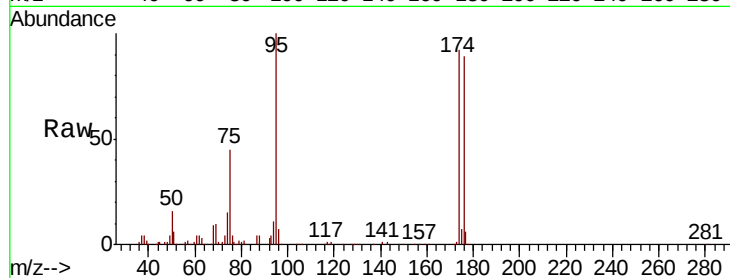
Tot Ion:173 Resp: 1735

Ion Ratio Lower Upper

173 100

175 810.1 24.4 73.4#

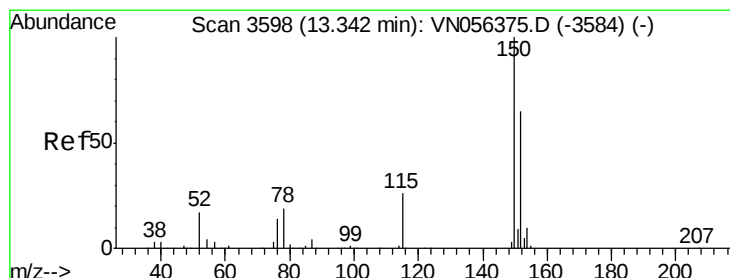
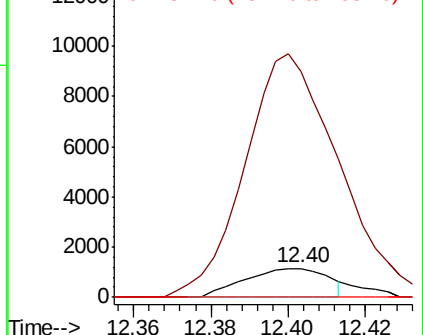
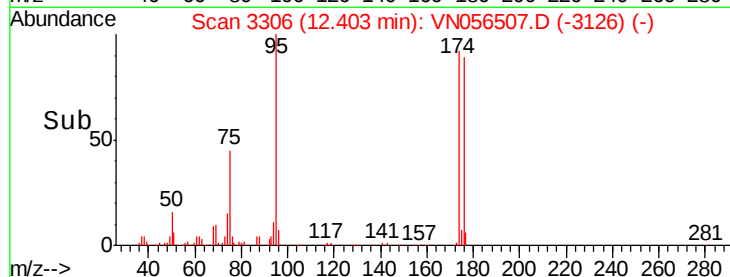
254 0.0 0.0 0.0



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: VN056507.D

Acq: 26 Jun 2019 15:34

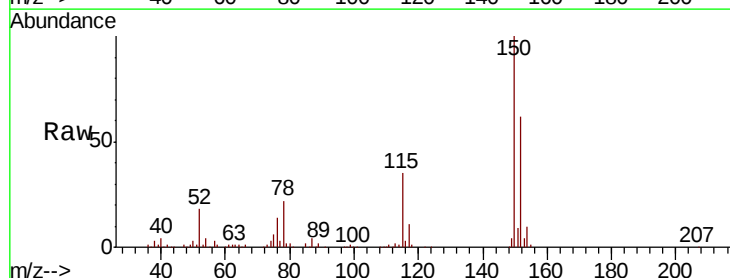
Tgt Ion:152 Resp: 170165

Ion Ratio Lower Upper

152 100

115 54.6 28.1 84.4

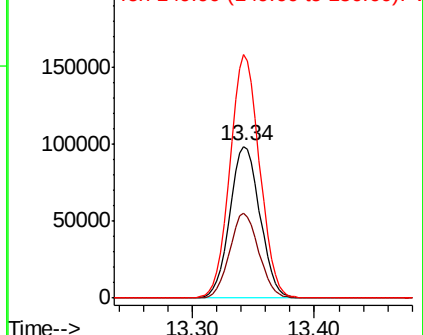
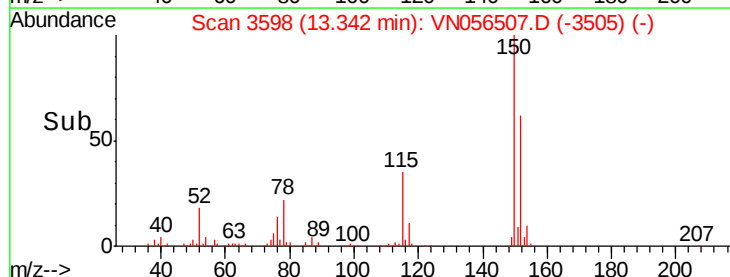
150 157.2 0.0 348.4

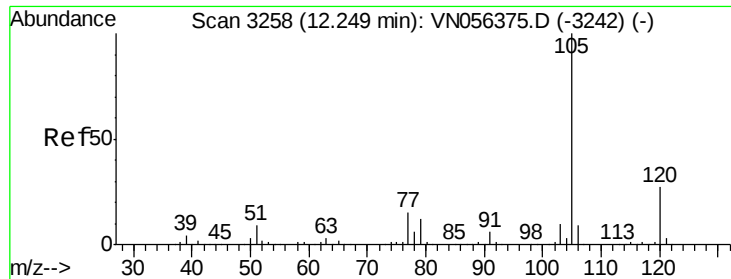


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. -0.01 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

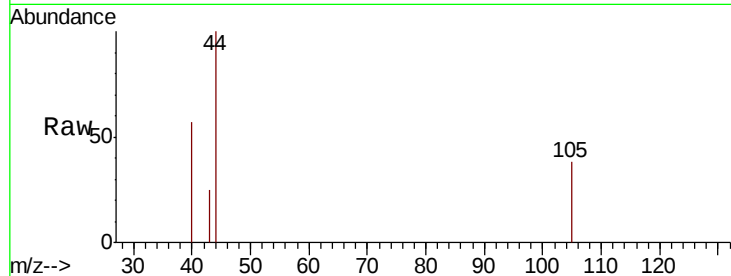
ClientSampled :

Tot Ion: 105 Resp: 340

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250

200

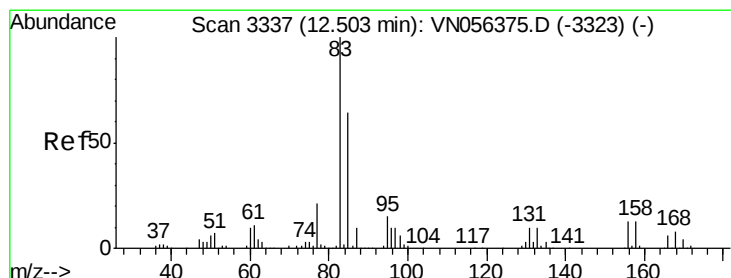
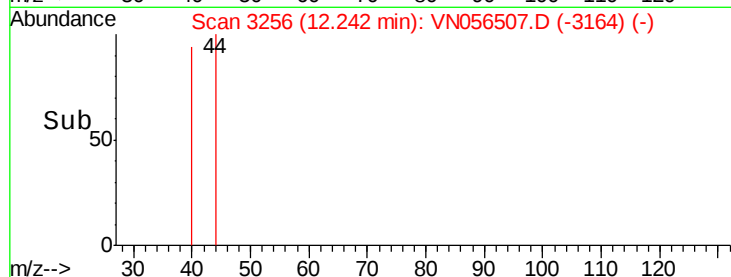
150

100

50

0

Time--> 12.22 12.24 12.26



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

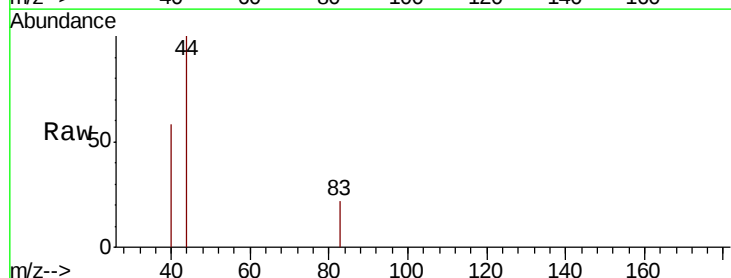
Tgt Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

200

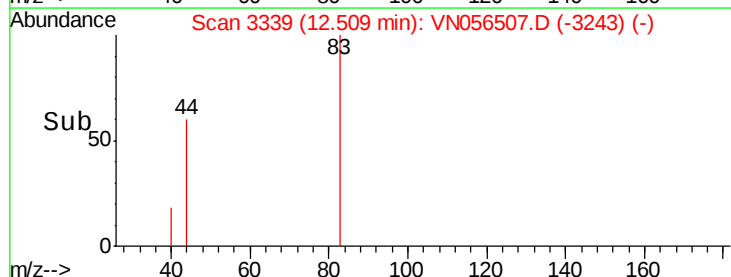
150

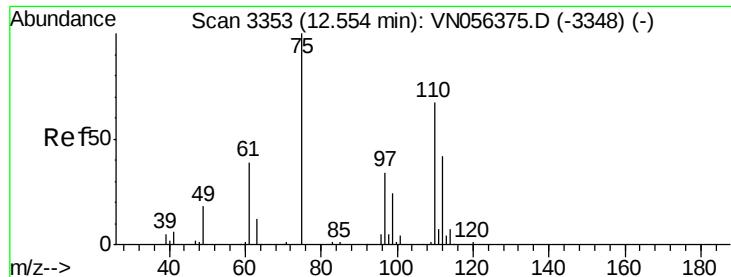
100

50

0

Time--> 12.50 12.51





#76

1,2,3-Trichloropropane

Concen: 31.265 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

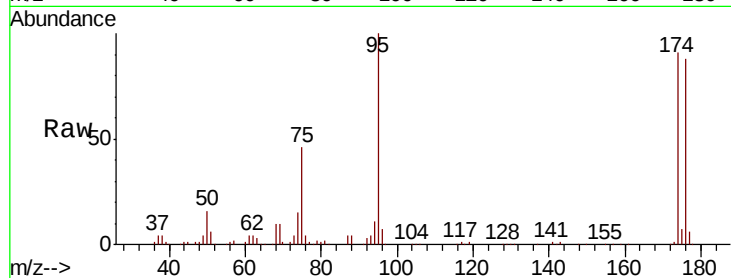
ClientSampled :

Tot Ion: 75 Resp: 110317

Ion Ratio Lower Upper

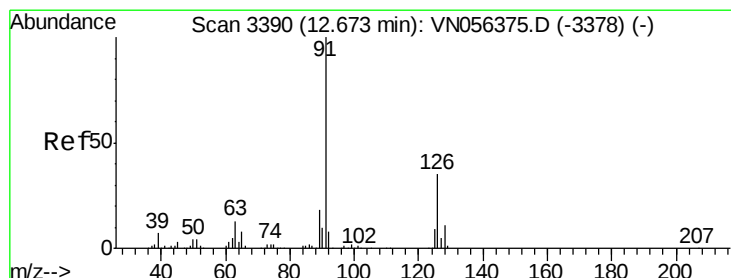
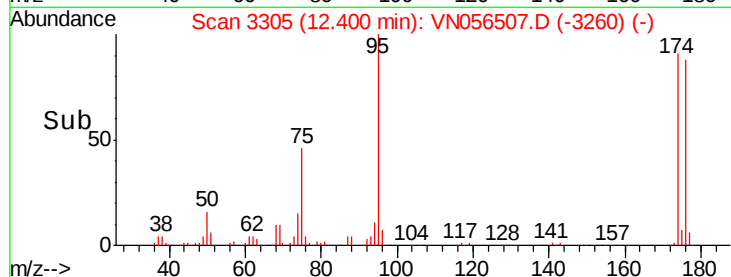
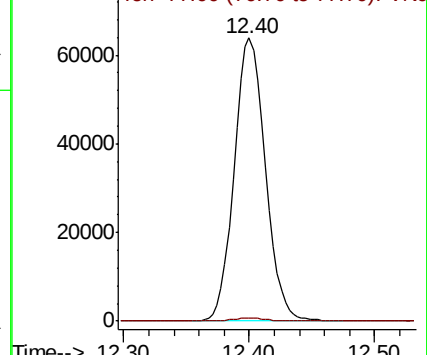
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056507.D

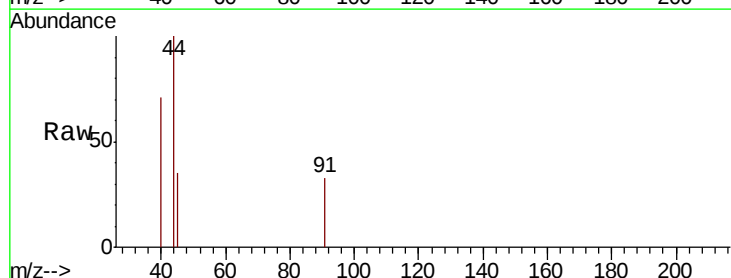
Acq: 26 Jun 2019 15:34

Tgt Ion: 91 Resp: 93

Ion Ratio Lower Upper

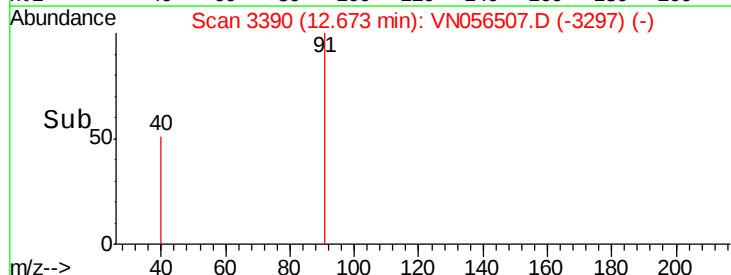
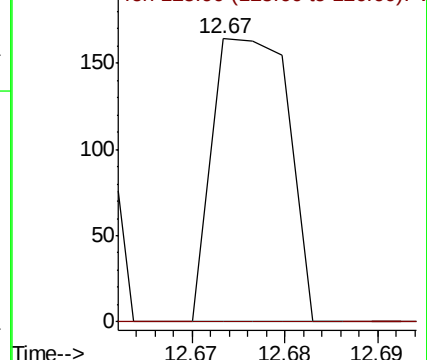
91 100

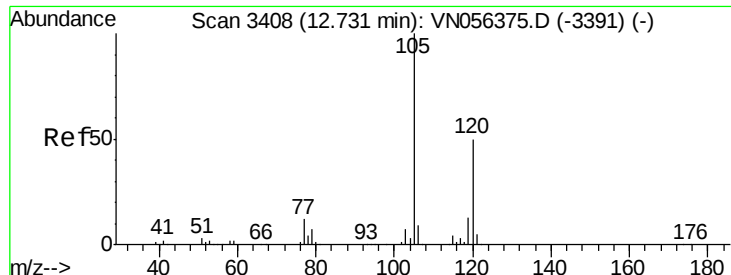
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

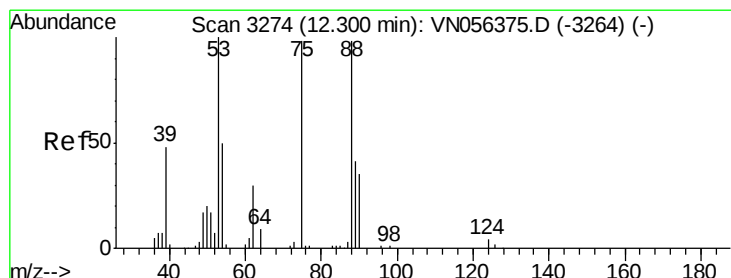
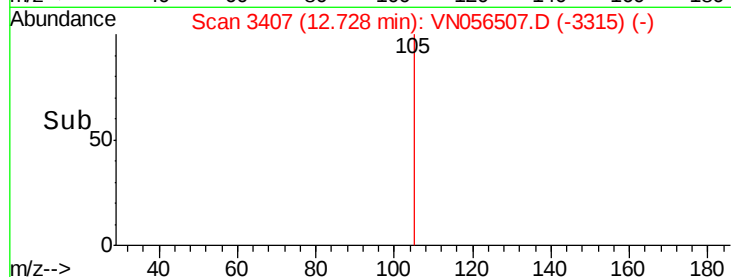
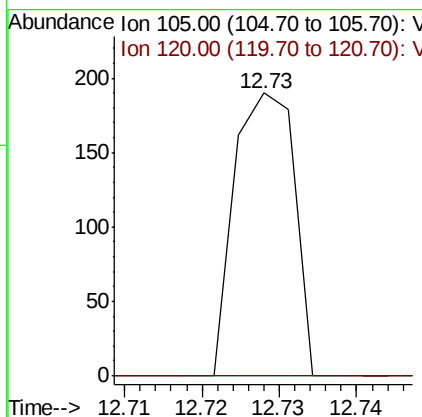
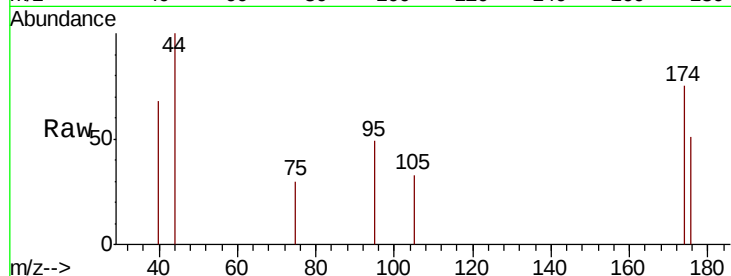




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

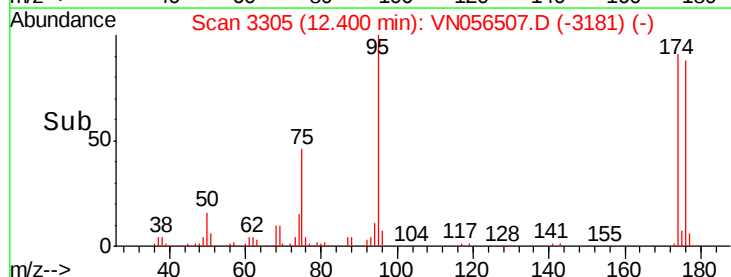
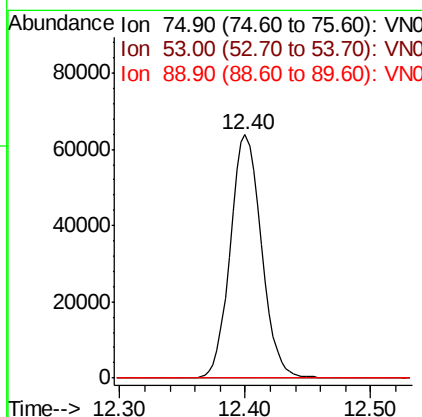
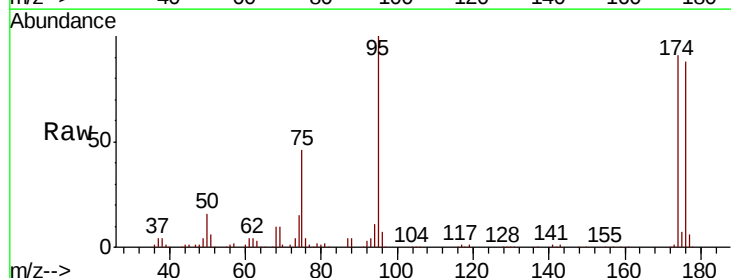
Instrument :
 MSVOA_N
 ClientSampleId :

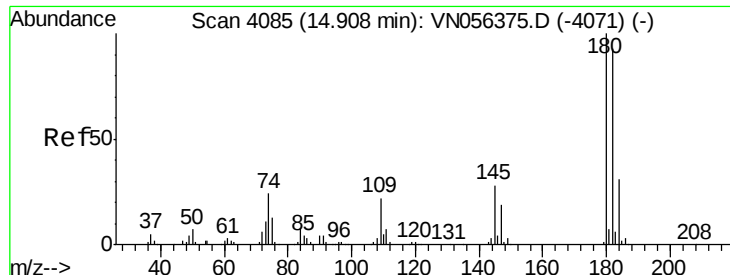
Tot Ion: 105 Resp: 102
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.8 74.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.122 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

Tgt Ion: 75 Resp: 110317
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 35.0 52.6#

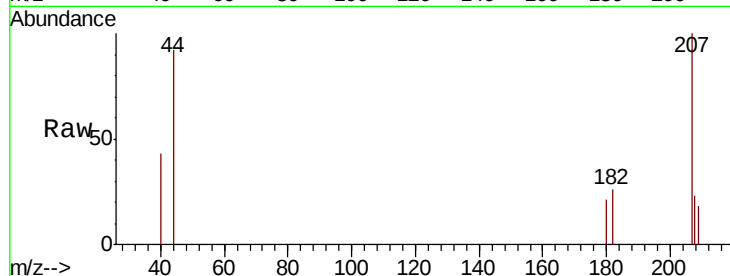




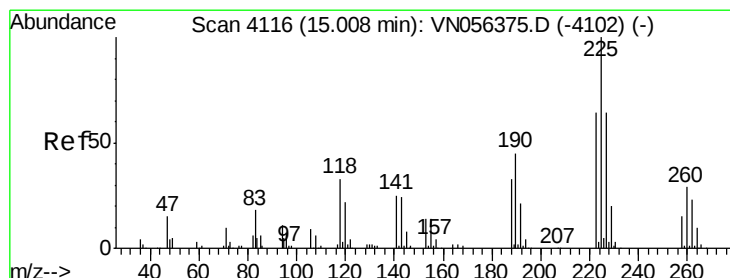
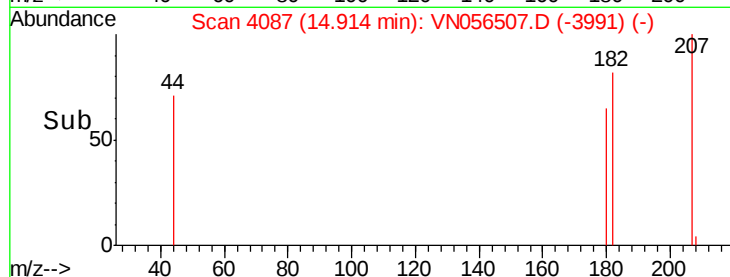
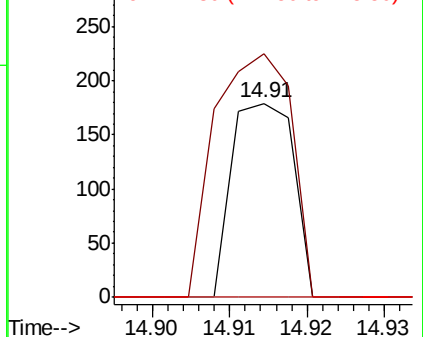
#93
 1,2,4-Trichlorobenzene
 Concen: 5.644 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 100
 Ion Ratio Lower Upper
 180 100
 182 155.0 46.9 140.6#
 145 0.0 14.4 43.0#

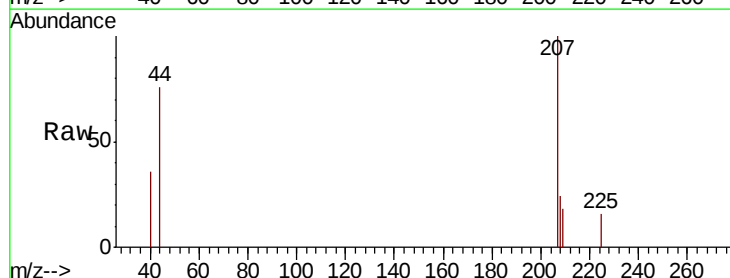


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

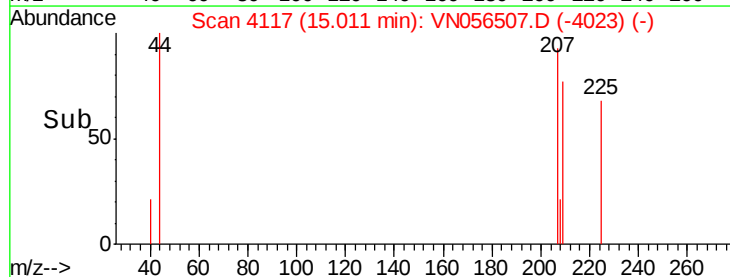
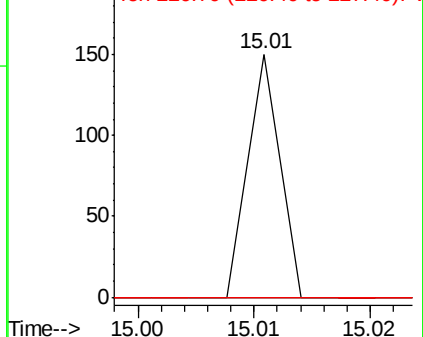


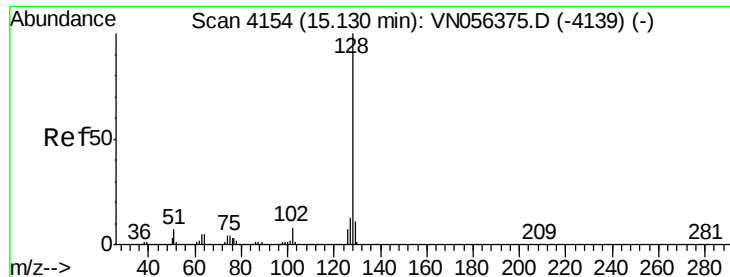
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056507.D
 Acq: 26 Jun 2019 15:34

Tgt Ion:225 Resp: 29
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.4 94.3#
 227 0.0 32.1 96.3#



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: 5.342 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

Instrument :

MSVOA_N

ClientSampleId :

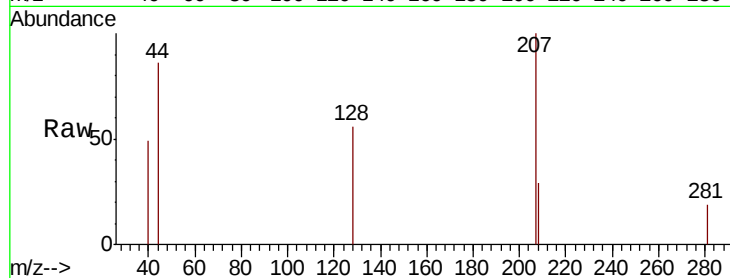
Tot Ion:128 Resp: 849

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

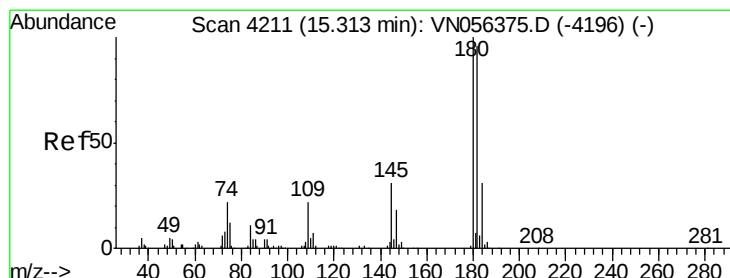
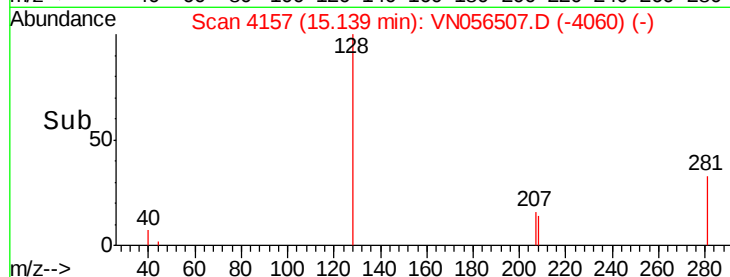
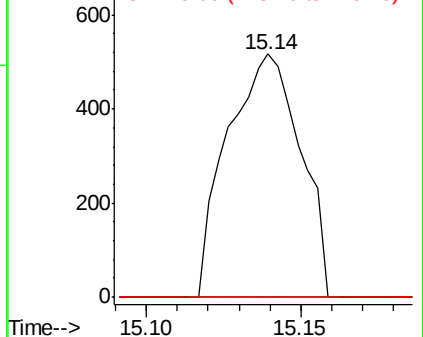
129 0.0 8.6 12.8#



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: 4.551 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN056507.D

Acq: 26 Jun 2019 15:34

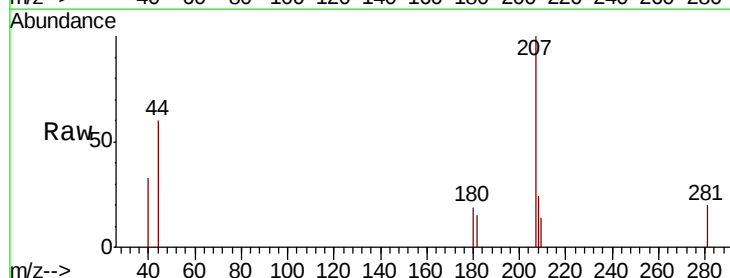
Tgt Ion:180 Resp: 236

Ion Ratio Lower Upper

180 100

182 47.9 48.3 144.8#

145 0.0 15.4 46.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

