

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050919\
 Data File : VN055492.D
 Acq On : 9 May 2019 13:08
 Operator : JC/SP
 Sample : K2672-15
 Misc : 5.60g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-08-COMP

Quant Time: May 09 13:46:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	797966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1356139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1142635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	417689	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	560065	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	7.59	113	411979	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	10.09	98	1632127	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.40	95	527112	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	

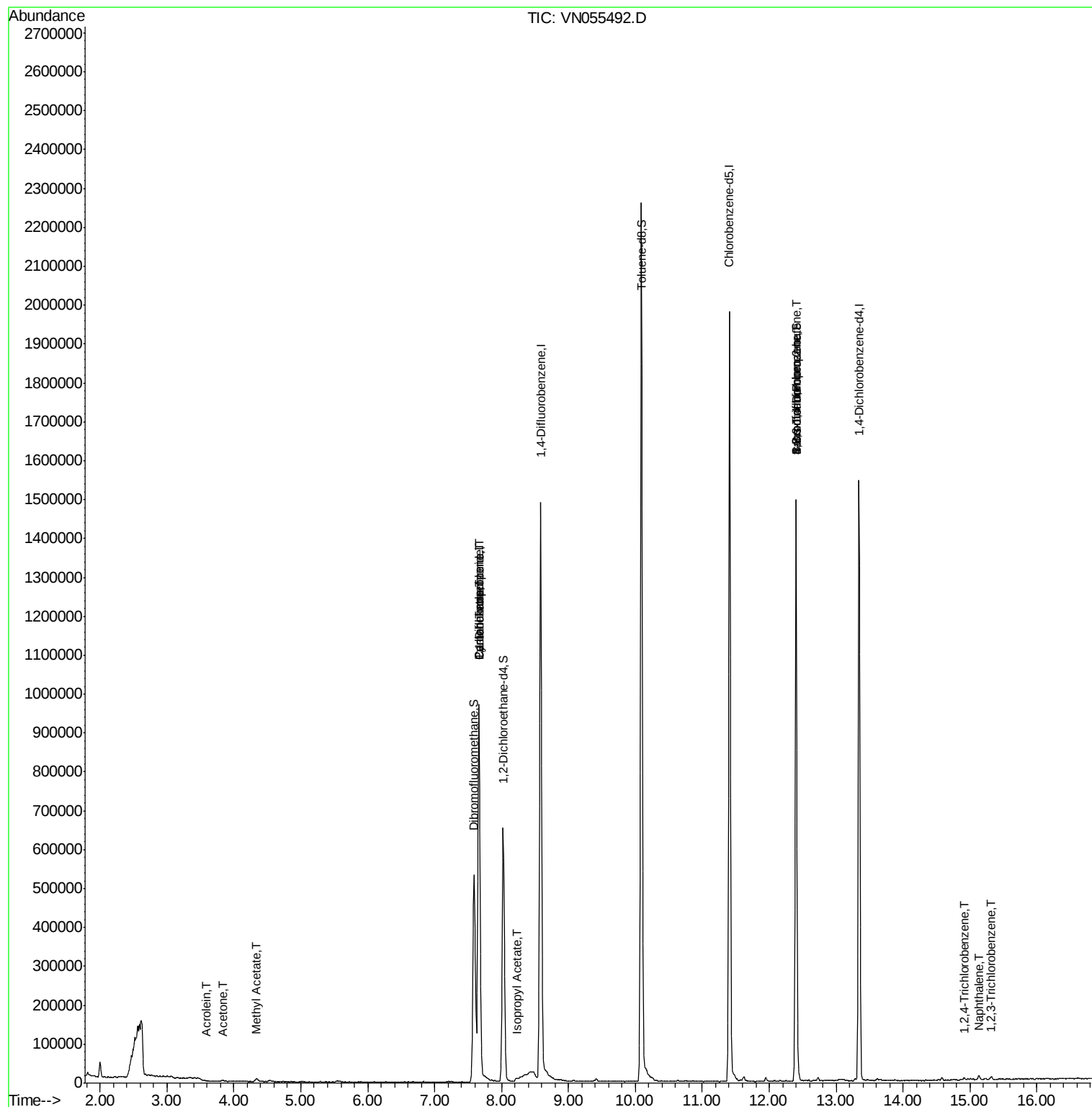
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	252	0.213	ug/l #	1
16) Acetone	3.84	43	1487	0.267	ug/l #	44
18) Methyl Acetate	4.34	43	15815	0.254	ug/l #	89
31) Cyclohexane	7.66	56	17682	0.912	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	66384	4.969	ug/l #	51
38) Carbon Tetrachloride	7.66	117	78022	6.935	ug/l #	16
43) Isopropyl Acetate	8.22	43	5279	0.238	ug/l #	63
71) Bromoform	12.40	173	3838	0.703	ug/l #	1
73) Isopropylbenzene	12.25	105	955	Below Cal		94
75) 1,1,2,2-Tetrachloroethane	12.51	83	61	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	267298	23.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	267298	86.738	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	2002	3.508	ug/l #	83
94) Hexachlorobutadiene	15.00	225	475	Below Cal		79
95) Naphthalene	15.13	128	8911	3.418	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	2425	2.767	ug/l	81

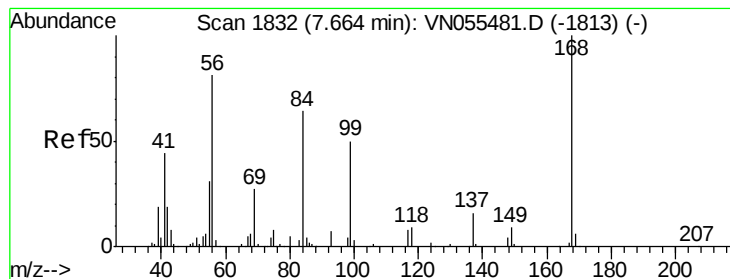
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

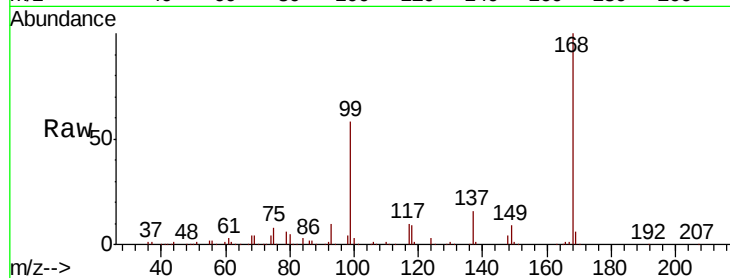
SB-08-COMP

Tgt Ion:168 Resp: 797966

Ion Ratio Lower Upper

168 100

99 57.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055492.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055492.D (-1739) (-)

7.66

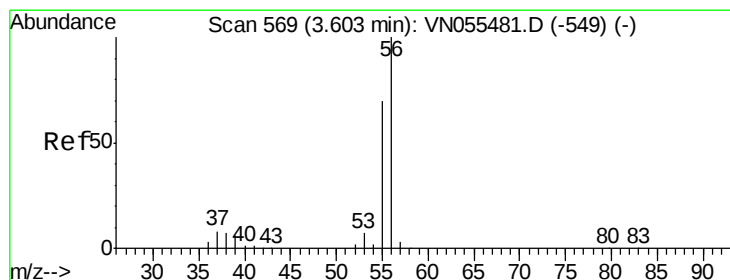
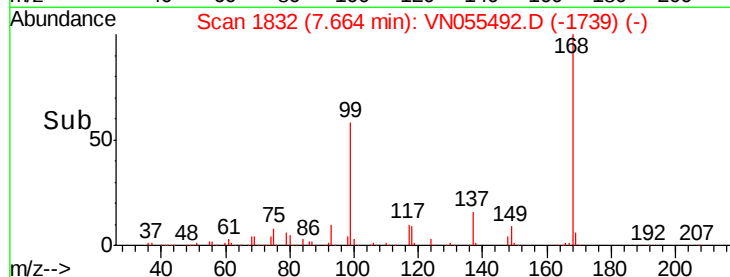
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.213 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN055492.D

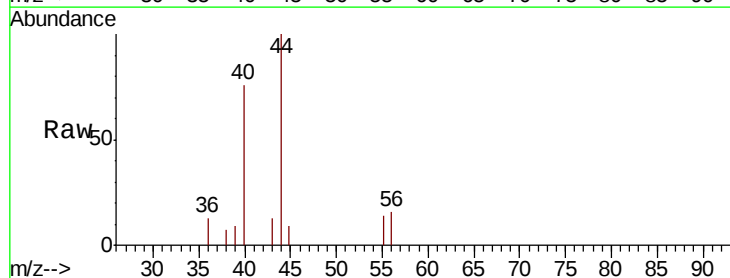
Acq: 9 May 2019 13:08

Tgt Ion: 56 Resp: 252

Ion Ratio Lower Upper

56 100

55 165.5 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN055492.D (-476) (-)

Ion 55.00 (54.70 to 55.70): VN055492.D (-476) (-)

3.60

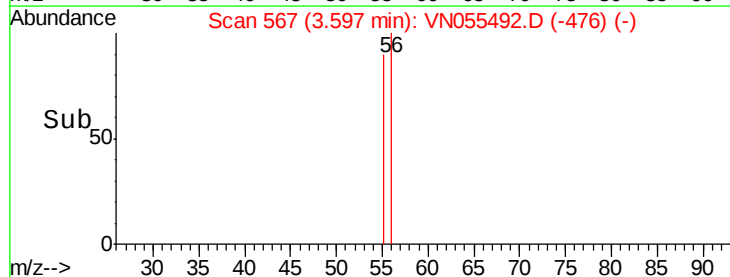
300

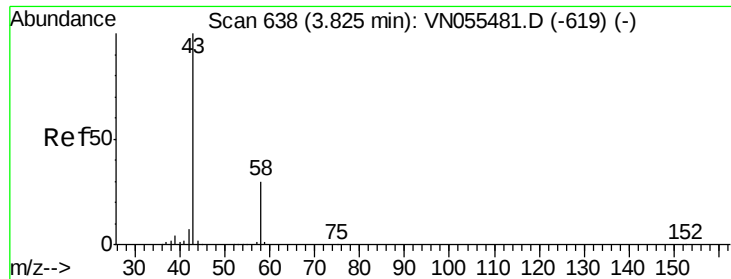
200

100

0

Time-->





#16

Acetone

Concen: 0.267 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.01 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

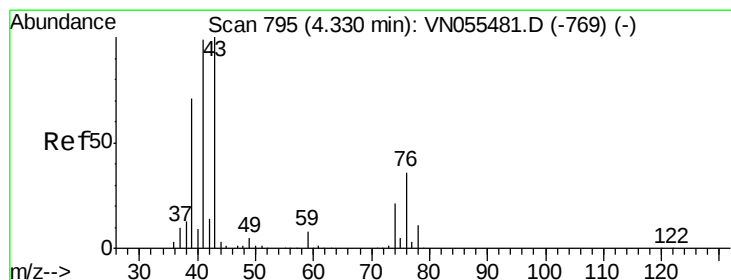
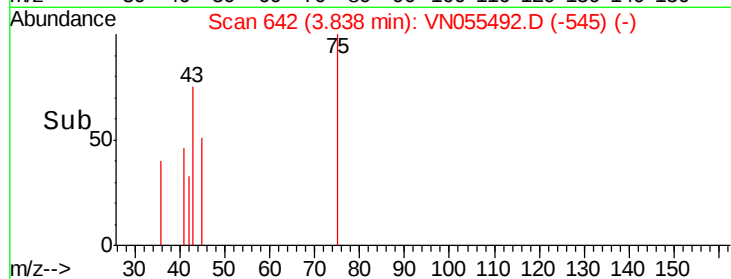
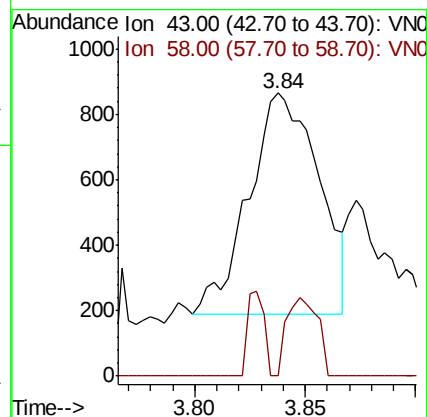
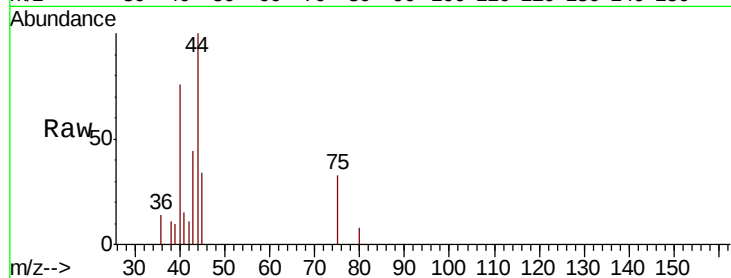
SB-08-COMP

Tgt Ion: 43 Resp: 1487

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#18

Methyl Acetate

Concen: 0.254 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055492.D

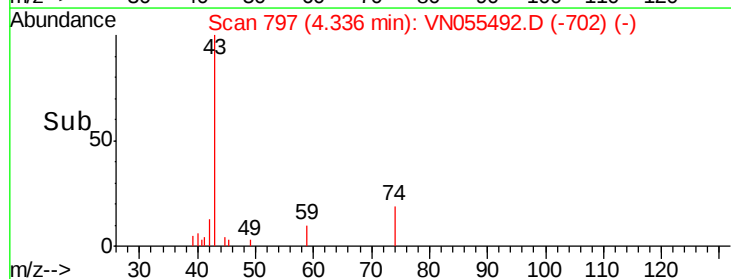
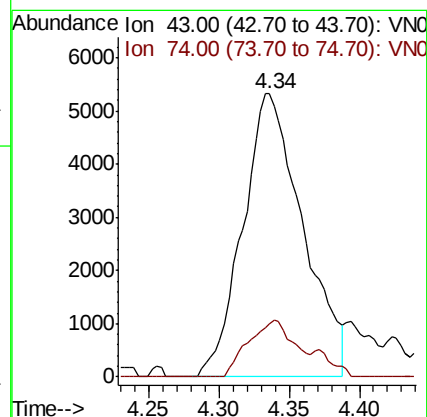
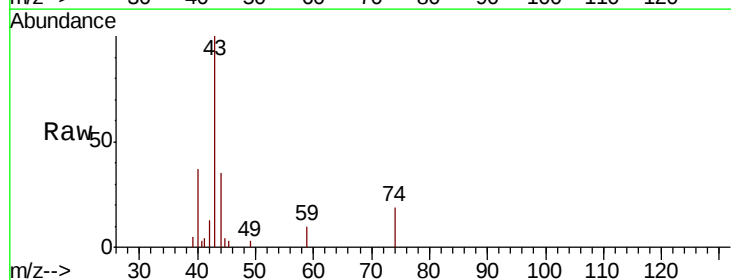
Acq: 9 May 2019 13:08

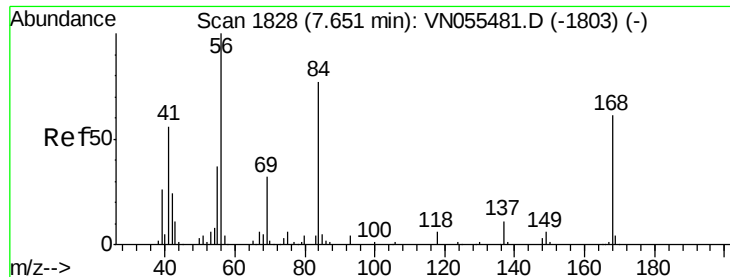
Tgt Ion: 43 Resp: 15815

Ion Ratio Lower Upper

43 100

74 15.5 16.3 24.5#

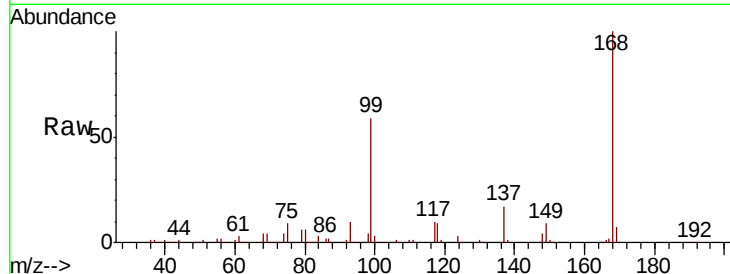




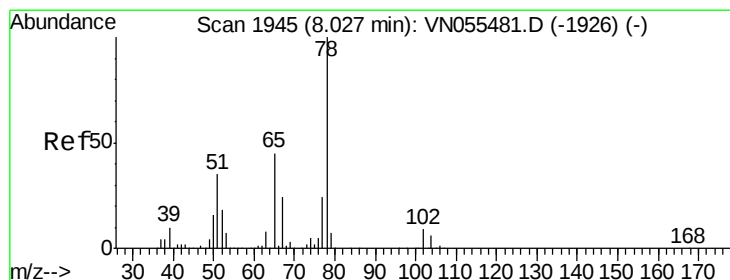
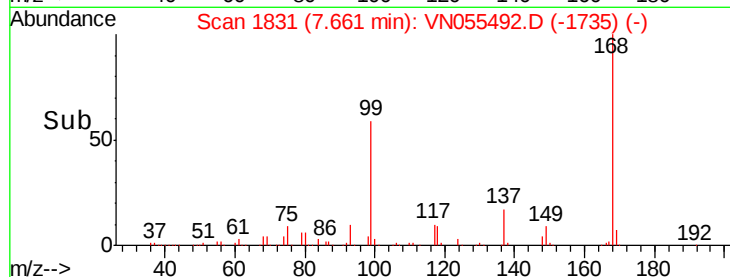
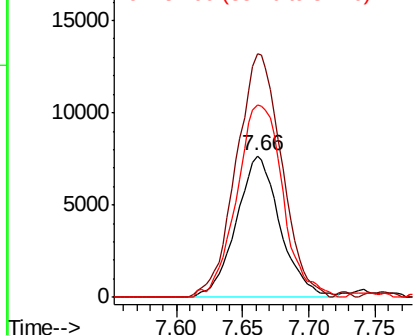
#31
Cyclohexane
Concen: 0.912 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055492.D
Acq: 9 May 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
SB-08-COMP

Tgt Ion: 56 Resp: 17682
Ion Ratio Lower Upper
56 100
69 172.1 26.0 39.0#
84 135.7 61.9 92.9#

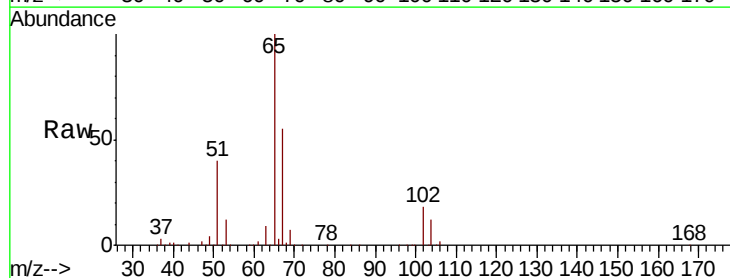


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

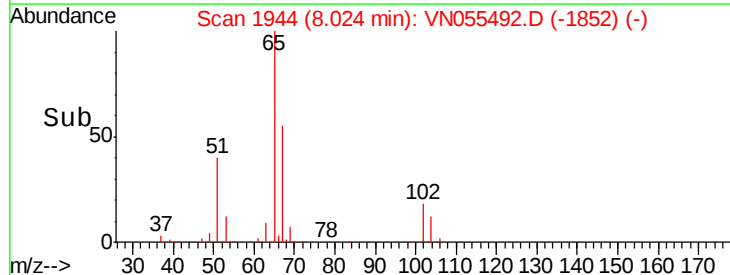
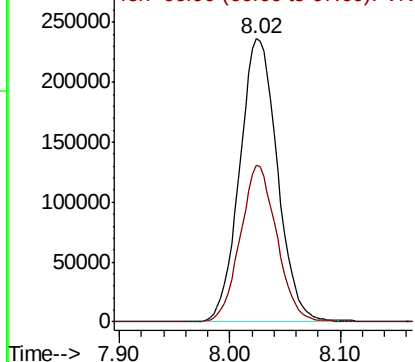


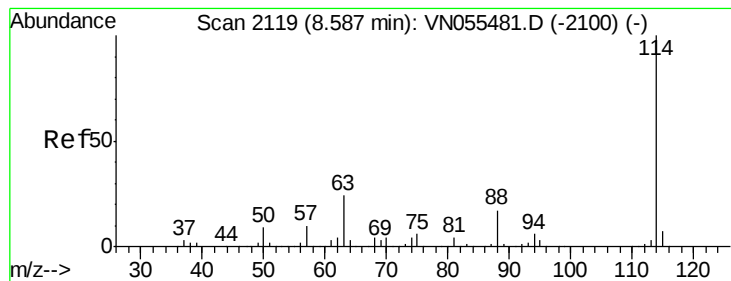
#33
1,2-Dichloroethane-d4
Concen: 46.615 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN055492.D
Acq: 9 May 2019 13:08

Tgt Ion: 65 Resp: 560065
Ion Ratio Lower Upper
65 100
67 53.6 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: VN055492.D

Acq: 9 May 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

SB-08-COMP

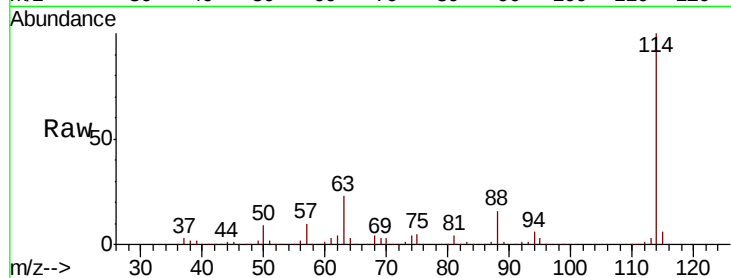
Tgt Ion:114 Resp: 1356139

Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.4

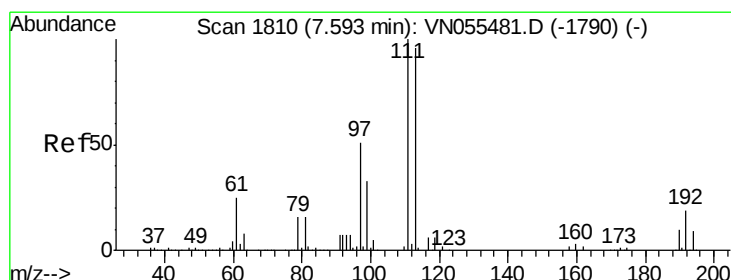
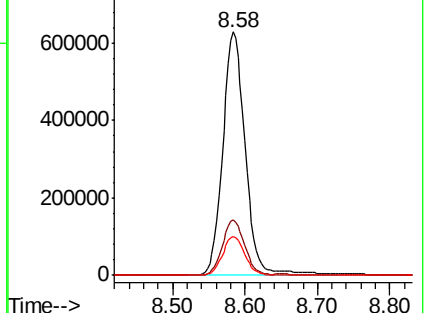
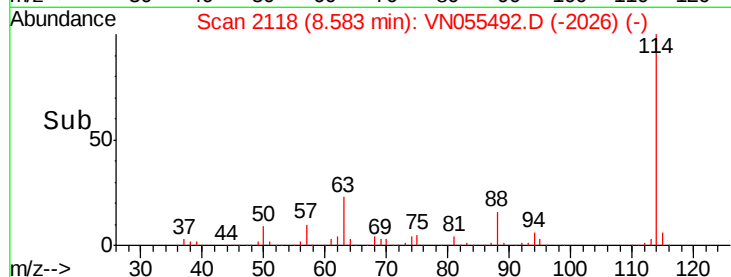
88 15.7 0.0 34.0



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: 47.093 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

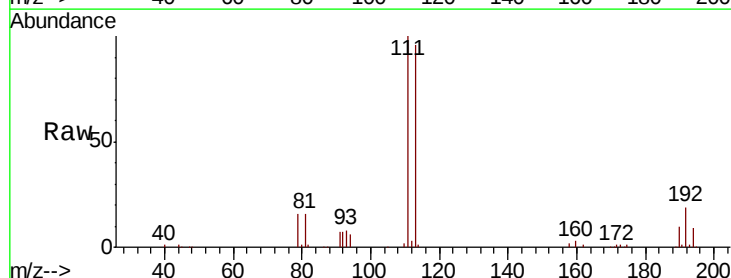
Tgt Ion:113 Resp: 411979

Ion Ratio Lower Upper

113 100

111 104.4 82.9 124.3

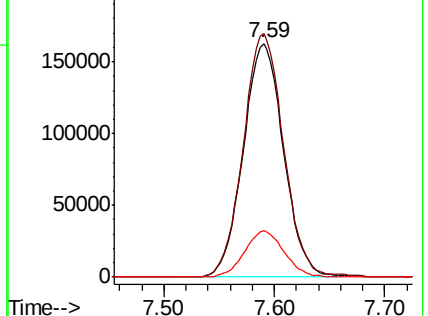
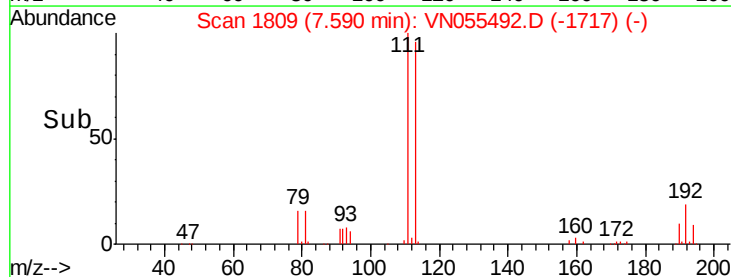
192 19.5 15.6 23.4

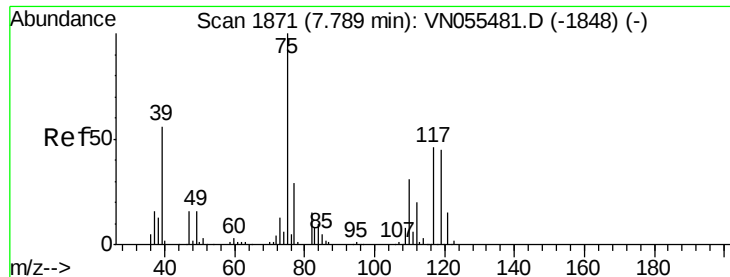


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

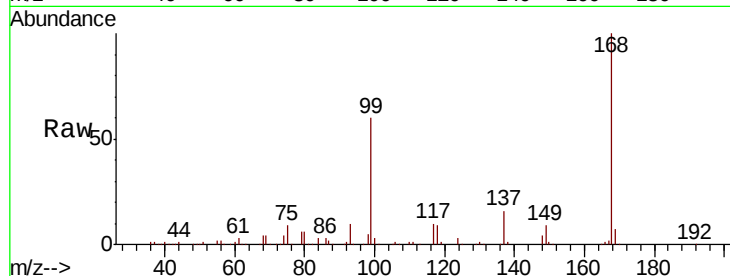




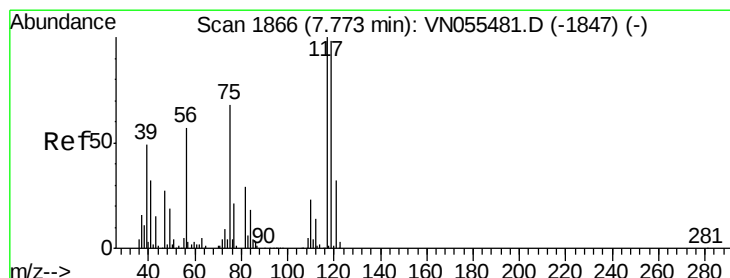
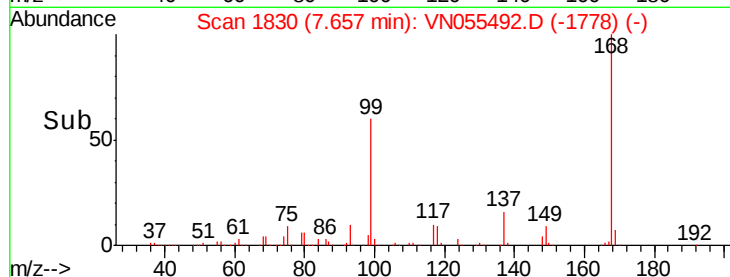
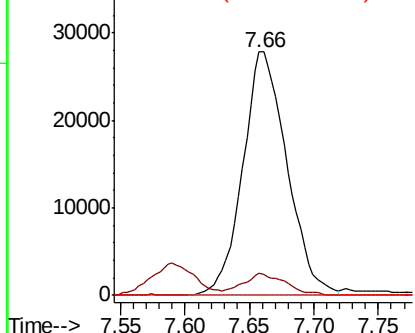
#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN055492.D
 Acq: 9 May 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-08-COMP

Tgt Ion: 75 Resp: 66384
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.1 48.3#
 77 0.0 24.6 37.0#

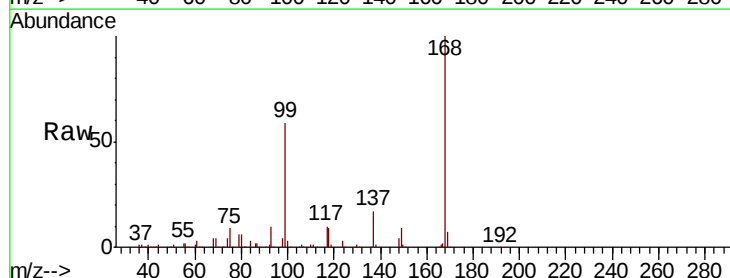


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

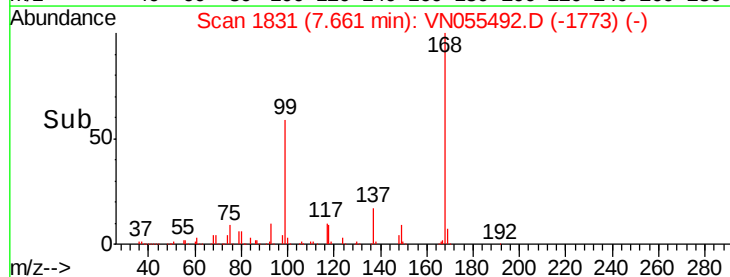
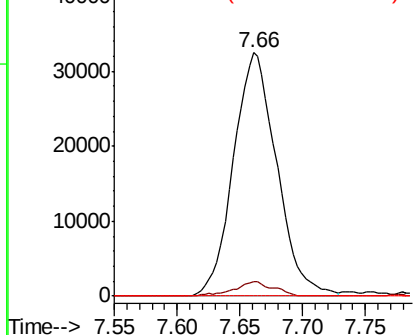


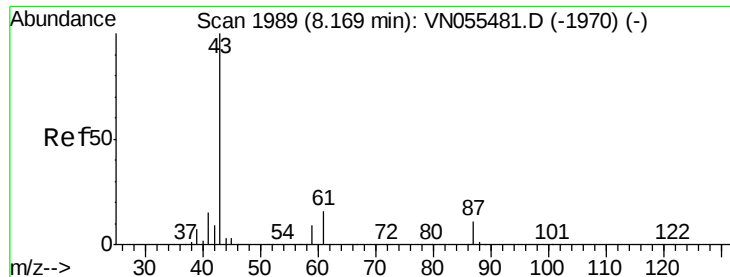
#38
 Carbon Tetrachloride
 Concen: 6.935 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN055492.D
 Acq: 9 May 2019 13:08

Tgt Ion: 117 Resp: 78022
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.8 116.6#
 121 0.0 25.2 37.8#



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





#43

Isopropyl Acetate

Concen: 0.238 ug/l

RT: 8.22 min Scan# 2006

Delta R.T. 0.05 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

SB-08-COMP

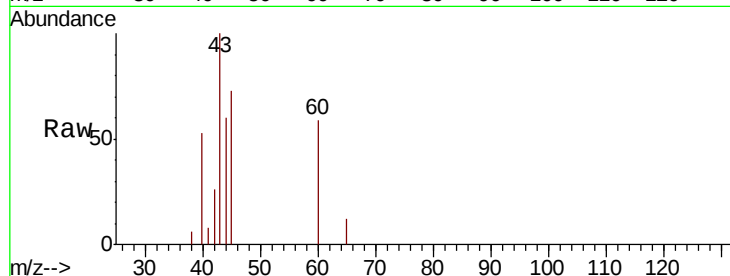
Tgt Ion: 43 Resp: 5279

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

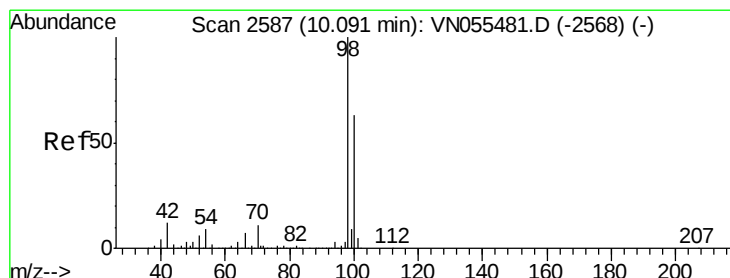
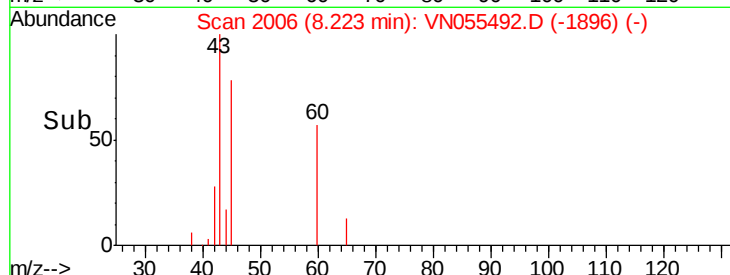
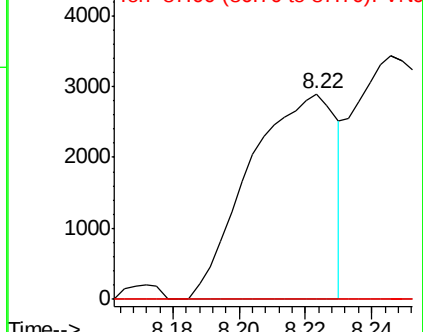
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 47.876 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055492.D

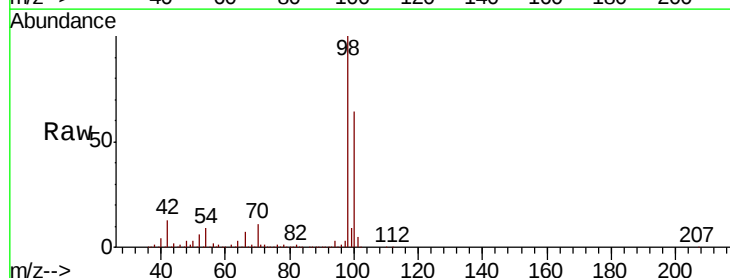
Acq: 9 May 2019 13:08

Tgt Ion: 98 Resp: 1632127

Ion Ratio Lower Upper

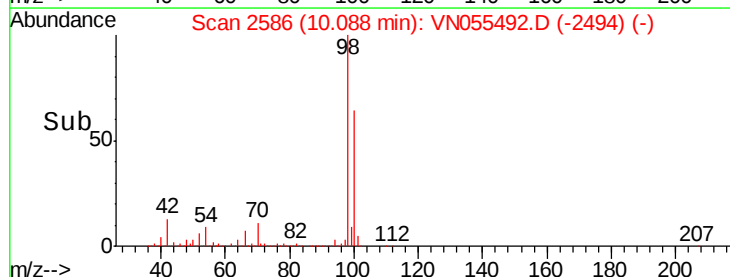
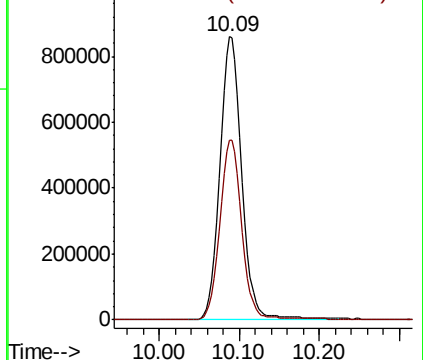
98 100

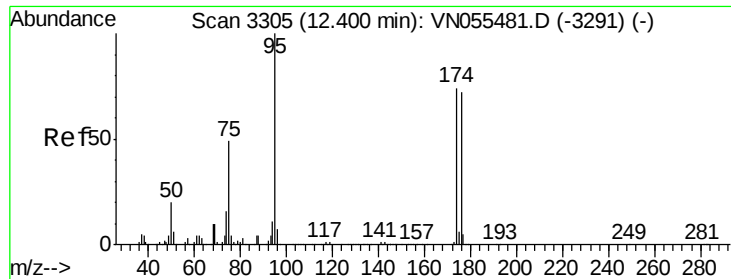
100 63.7 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

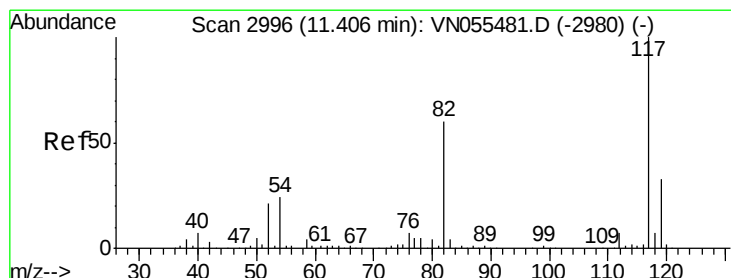
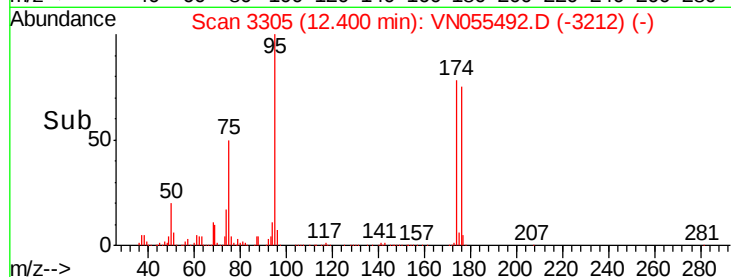
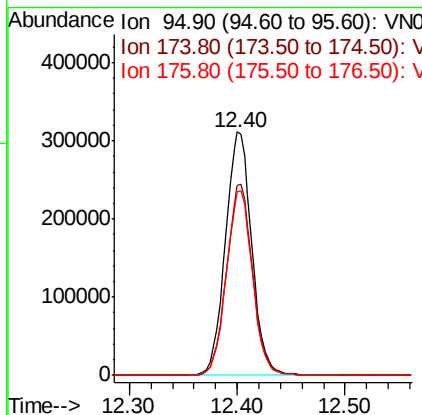
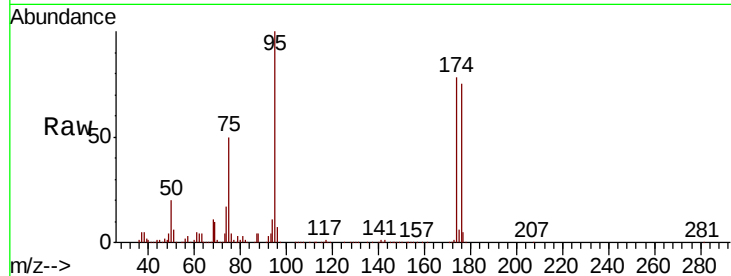




#62
4-Bromofluorobenzene
Concen: 45.856 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055492.D
Acq: 9 May 2019 13:08

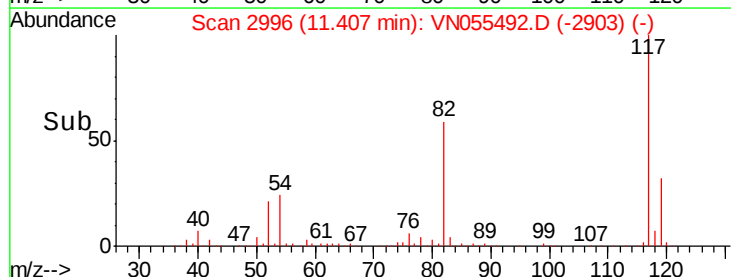
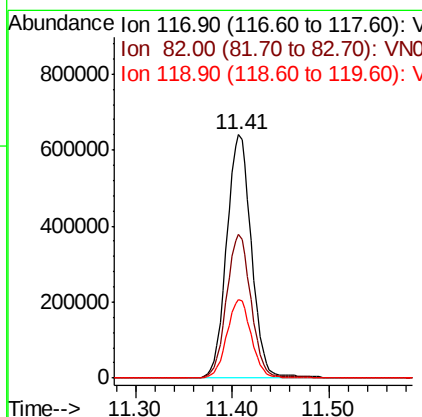
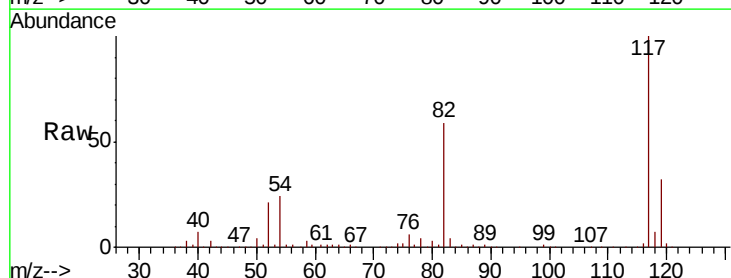
Instrument :
MSVOA_N
ClientSampleId :
SB-08-COMP

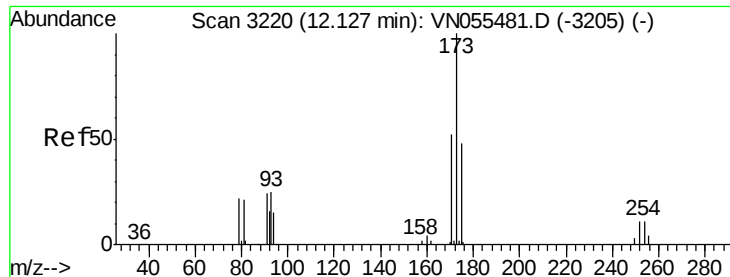
Tgt Ion: 95 Resp: 527112
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.2
176 75.6 0.0 147.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055492.D
Acq: 9 May 2019 13:08

Tgt Ion: 117 Resp: 1142635
Ion Ratio Lower Upper
117 100
82 59.1 48.0 72.0
119 32.1 26.0 39.0





#71

Bromoform

Concen: 0.703 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

SB-08-COMP

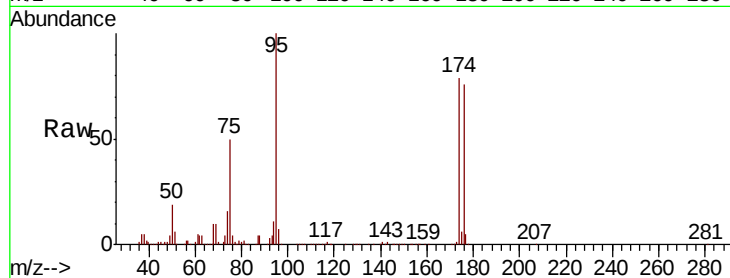
Tgt Ion:173 Resp: 3838

Ion Ratio Lower Upper

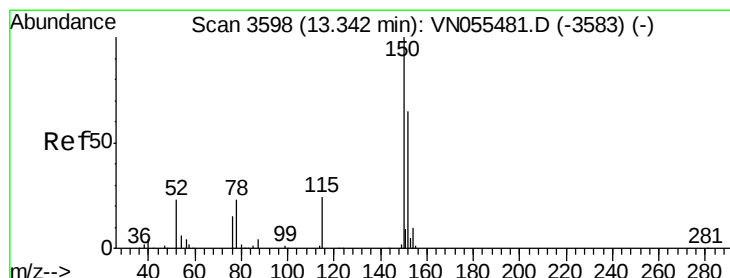
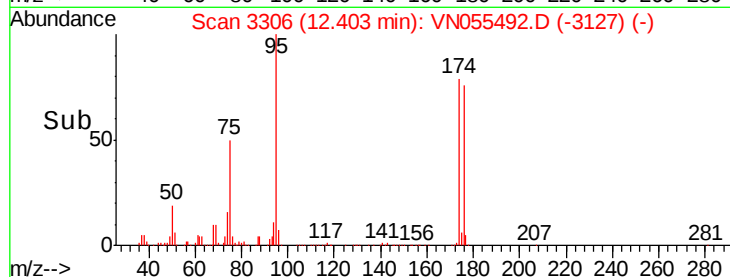
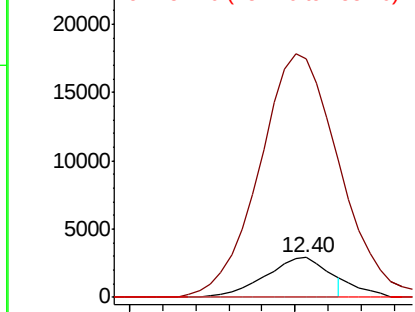
173 100

175 679.0 24.1 72.4#

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

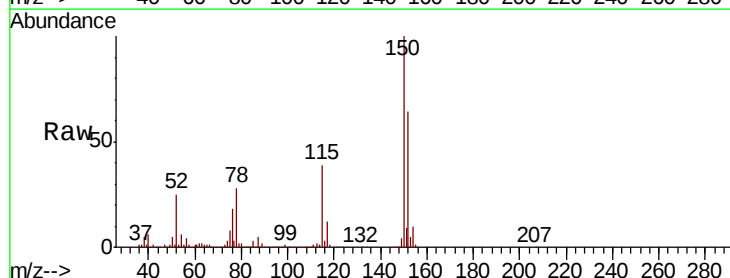
Tgt Ion:152 Resp: 417689

Ion Ratio Lower Upper

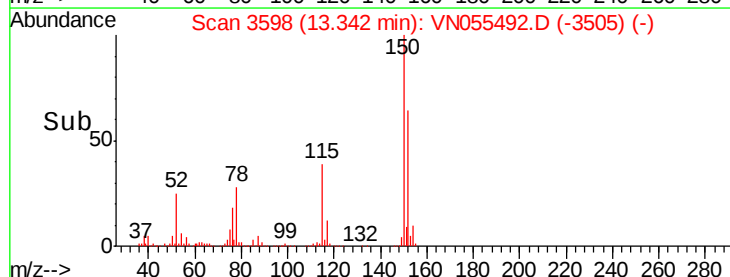
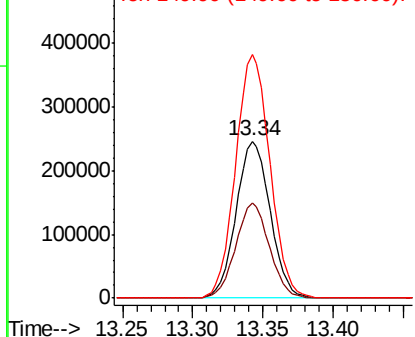
152 100

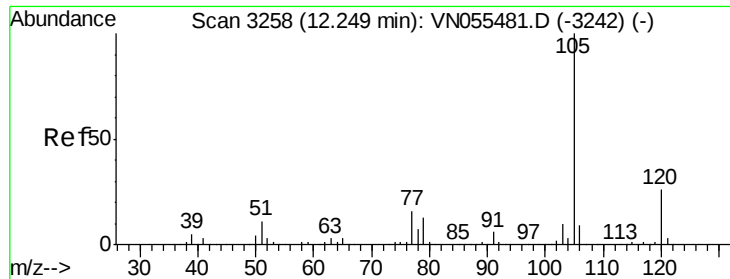
115 59.6 30.1 90.5

150 156.4 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# 3257

Delta R.T. -0.00 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

Instrument :

MSVOA_N

ClientSampled :

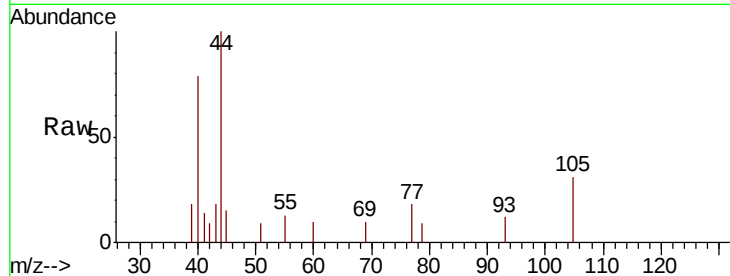
SB-08-COMP

Tgt Ion: 105 Resp: 955

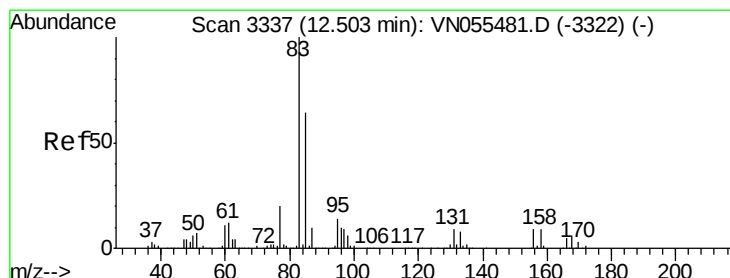
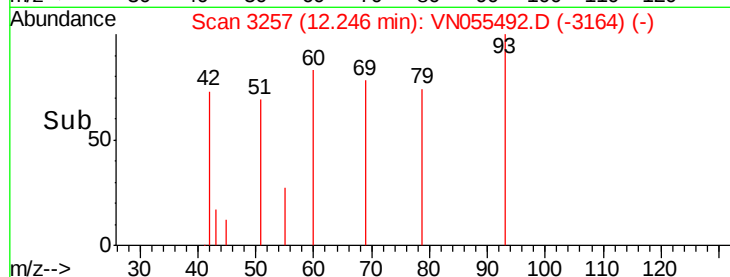
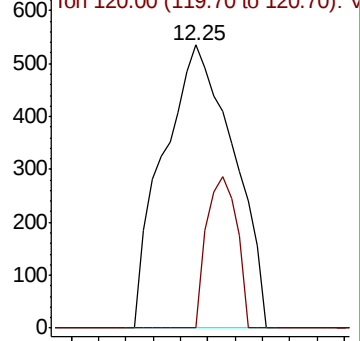
Ion Ratio Lower Upper

105 100

120 23.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

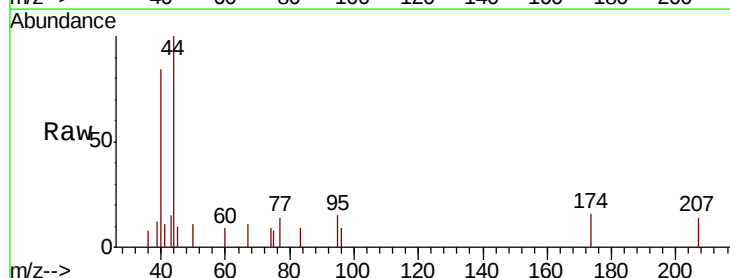
Tgt Ion: 83 Resp: 61

Ion Ratio Lower Upper

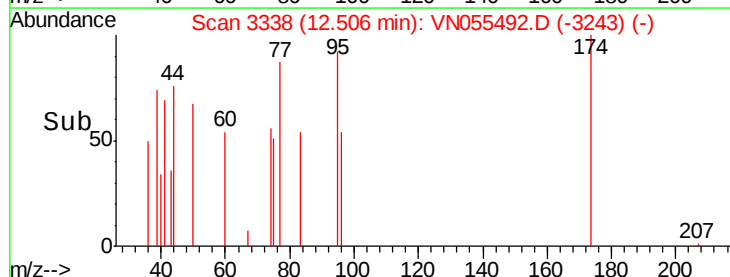
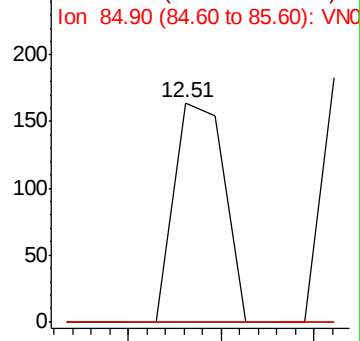
83 100

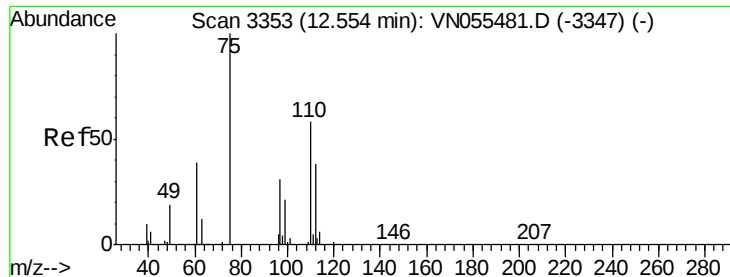
131 0.0 4.5 13.5#

85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): V





#76

1,2,3-Trichloropropane

Concen: 23.507 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

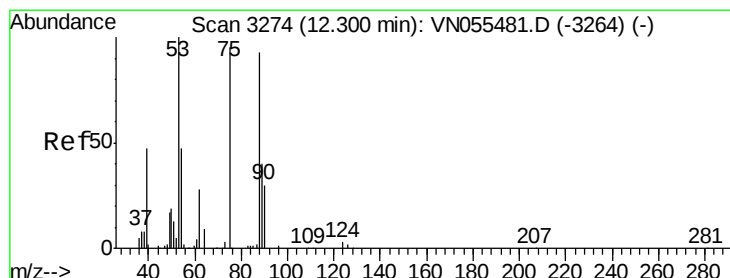
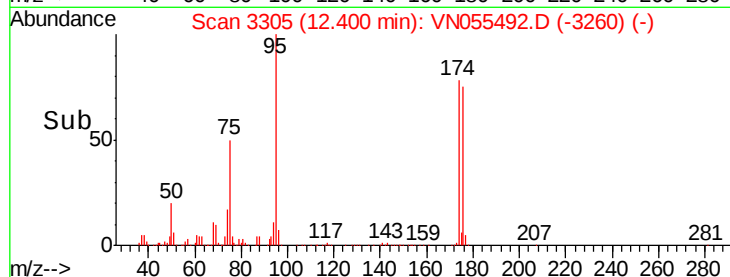
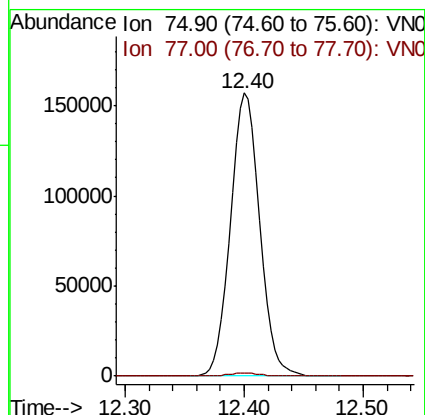
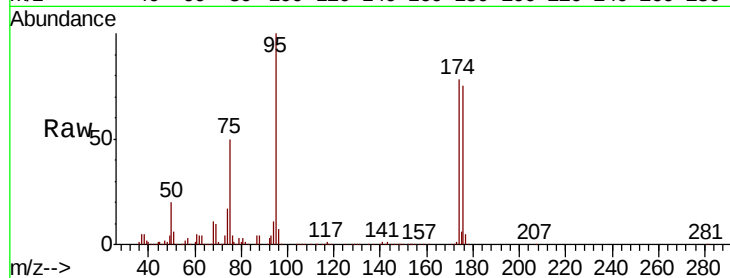
SB-08-COMP

Tgt Ion: 75 Resp: 267298

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.738 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

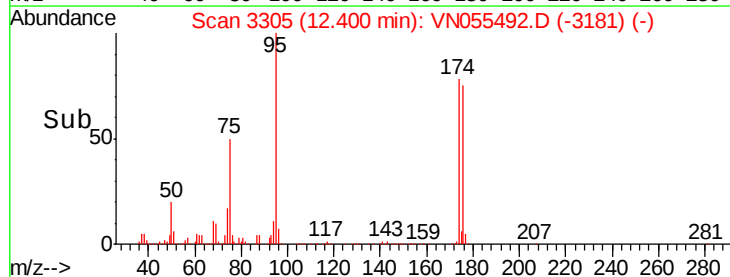
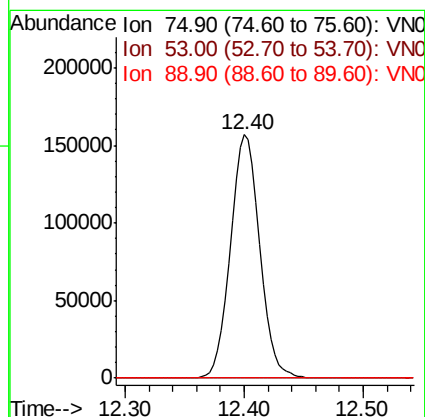
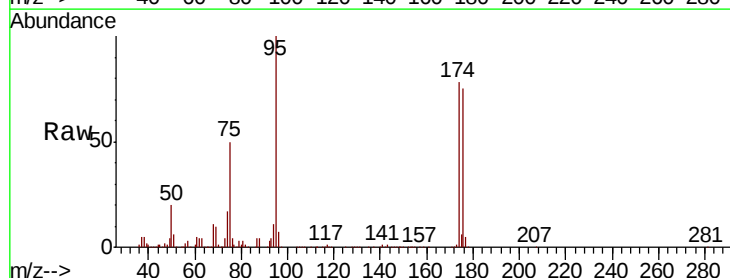
Tgt Ion: 75 Resp: 267298

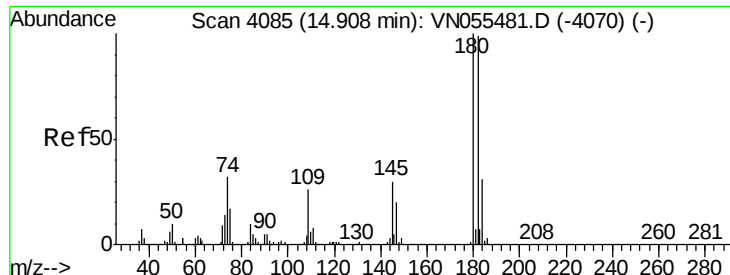
Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

89 0.0 35.7 53.5#

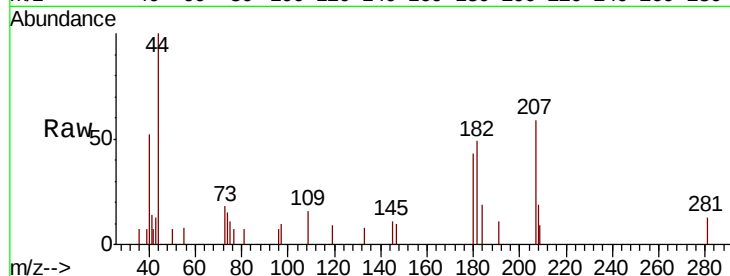




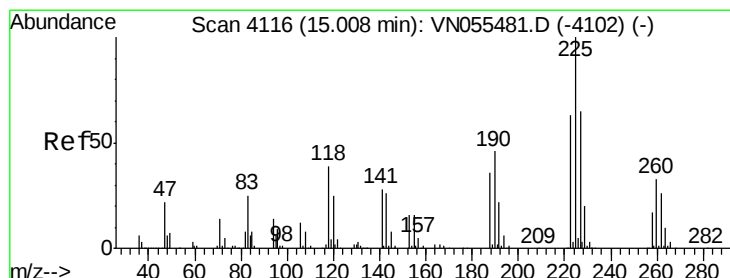
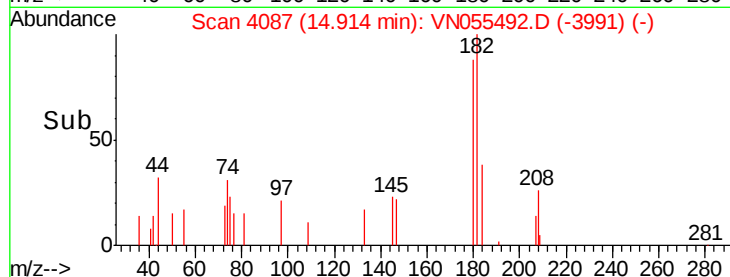
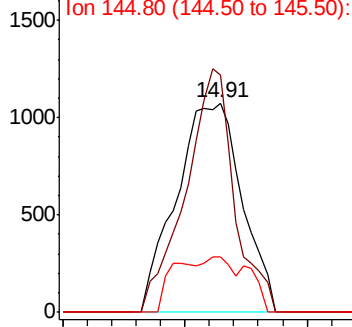
#93
 1,2,4-Trichlorobenzene
 Concen: 3.508 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN055492.D
 Acq: 9 May 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-08-COMP

Tgt Ion:180 Resp: 2002
 Ion Ratio Lower Upper
 180 100
 182 86.0 48.7 146.1
 145 11.3 15.3 45.9#

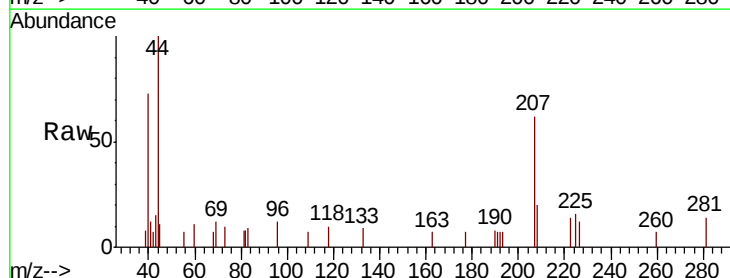


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

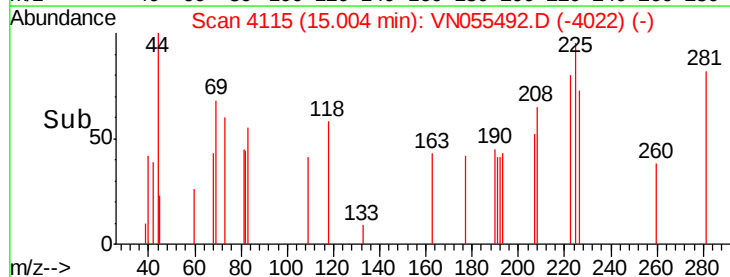
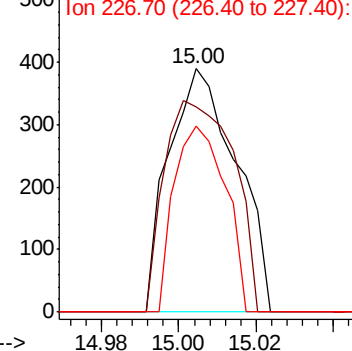


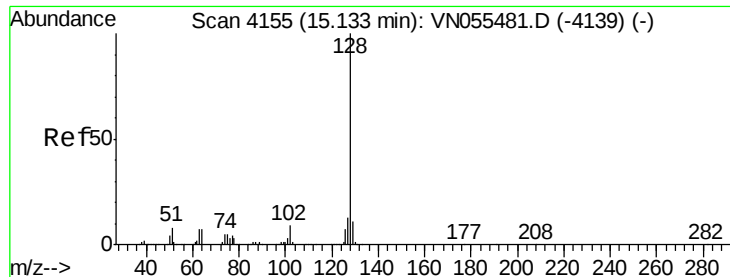
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN055492.D
 Acq: 9 May 2019 13:08

Tgt Ion:225 Resp: 475
 Ion Ratio Lower Upper
 225 100
 223 88.6 31.4 94.3
 227 57.5 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: 3.418 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

Instrument :

MSVOA_N

ClientSampled :

SB-08-COMP

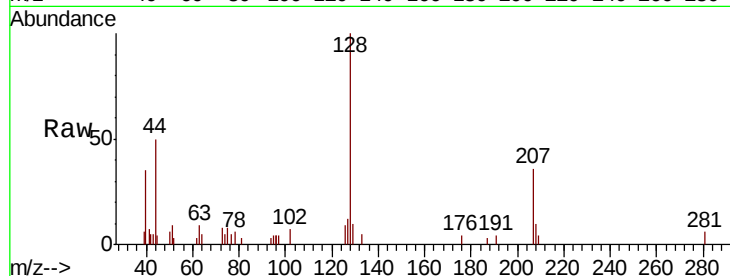
Tgt Ion:128 Resp: 8911

Ion Ratio Lower Upper

128 100

127 9.7 10.0 15.0#

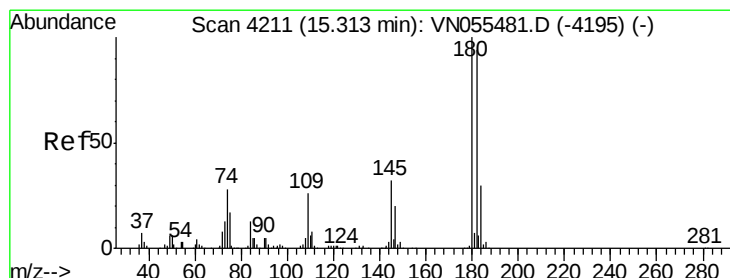
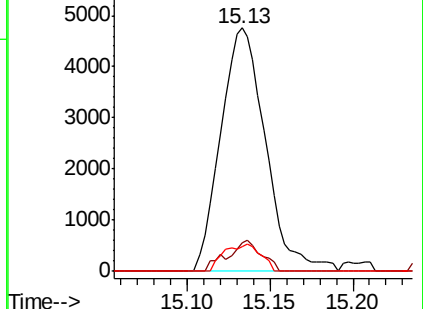
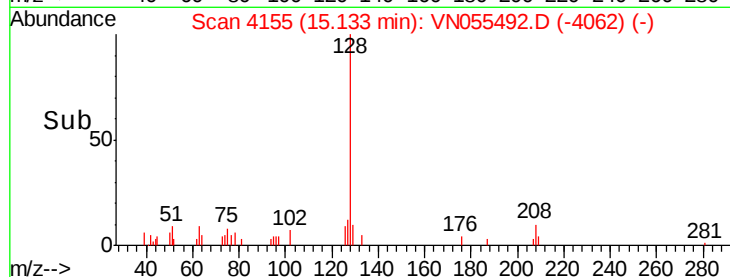
129 9.0 8.8 13.2



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: 2.767 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055492.D

Acq: 9 May 2019 13:08

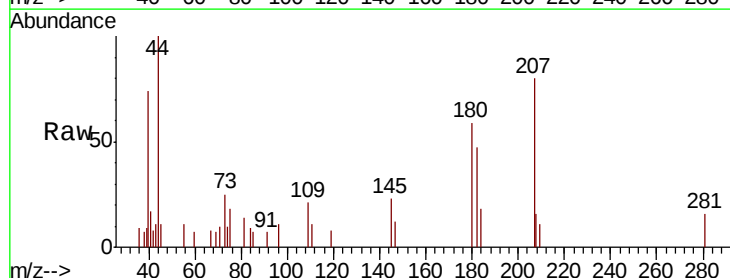
Tgt Ion:180 Resp: 2425

Ion Ratio Lower Upper

180 100

182 74.7 47.1 141.3

145 39.6 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

