

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120120\
 Data File : VX019695.D
 Acq On : 01 Dec 2020 15:11
 Operator : JC/MD
 Sample : L4905-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-00-01-02

Quant Time: Dec 02 03:15:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	273140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	447199	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	402781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	182802	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.03	65	172626	48.74	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.48%	
35) Dibromofluoromethane		5.46	113	136384	48.59	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.18%	
50) Toluene-d8		8.70	98	538166	49.34	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.68%	
62) 4-Bromofluorobenzene		11.12	95	191980	48.92	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.84%	

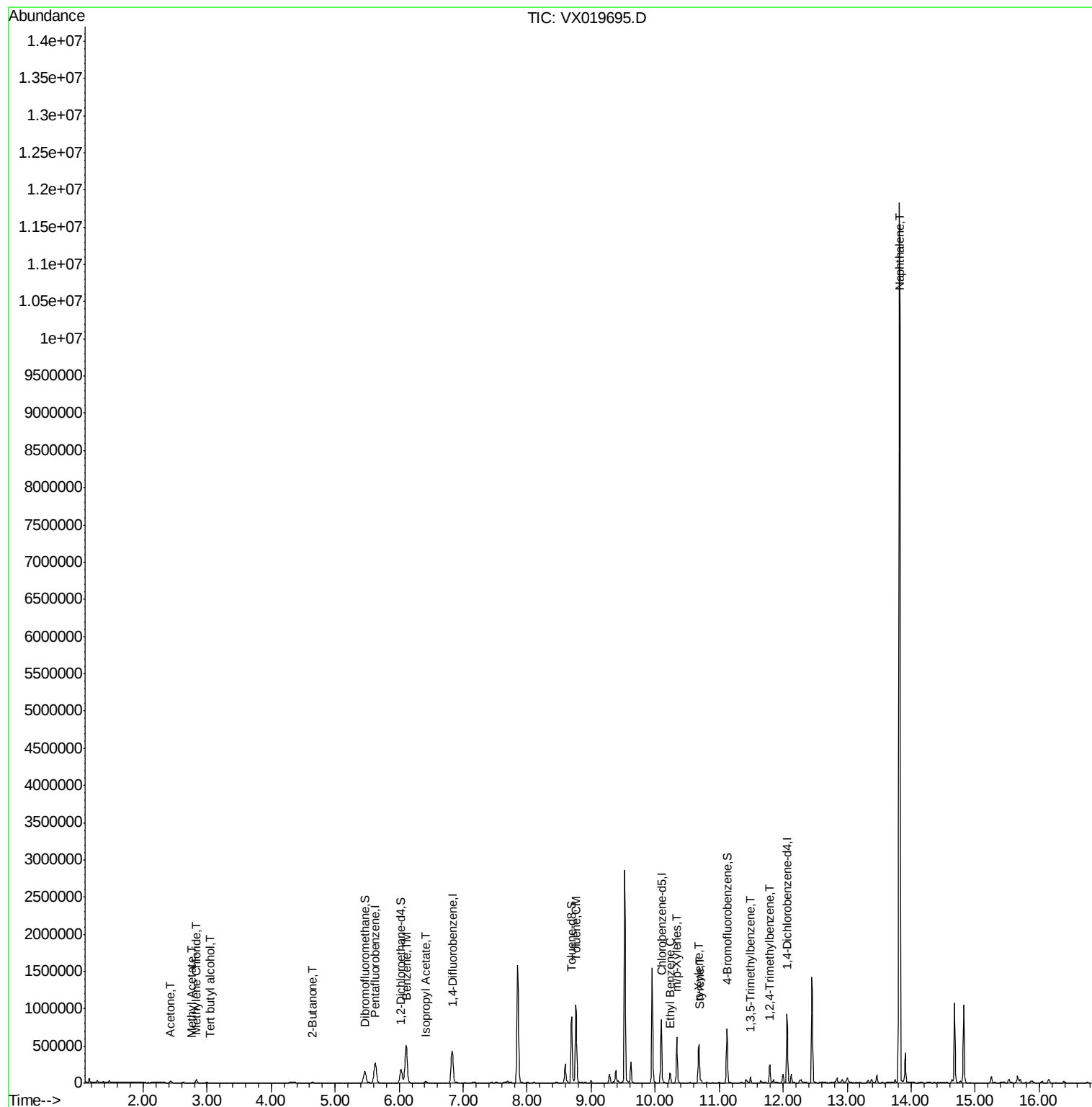
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	4953	7.390	ug/l #	90
16) Acetone	2.43	43	22648	16.537	ug/l	99
18) Methyl Acetate	2.76	43	3245	1.589	ug/l	97
20) Methylene Chloride	2.83	84	20677	6.040	ug/l	97
25) 2-Butanone	4.65	43	15166	7.372	ug/l	98
40) Benzene	6.11	78	646611	50.197	ug/l	100
43) Isopropyl Acetate	6.42	43	29816	4.506	ug/l	100
52) Toluene	8.76	92	405844	51.501	ug/l	98
67) Ethyl Benzene	10.23	91	78059	5.381	ug/l	98
68) m/p-Xylenes	10.34	106	143286	26.510	ug/l	100
69) o-Xylene	10.68	106	92348	17.874	ug/l	100
70) Styrene	10.70	104	47923	6.492	ug/l #	77
80) 1,3,5-Trimethylbenzene	11.49	105	36082	3.401	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	94406	8.795	ug/l	88
95) Naphthalene	13.82	128	7153242	509.583	ug/l	97

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

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Quant Time: Dec 02 03:15:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019695.D

Acq: 01 Dec 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

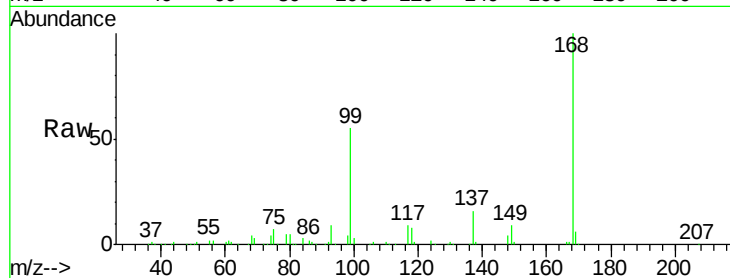
COMP-00-01-02

Tot Ion:168 Resp: 273140

Ion Ratio Lower Upper

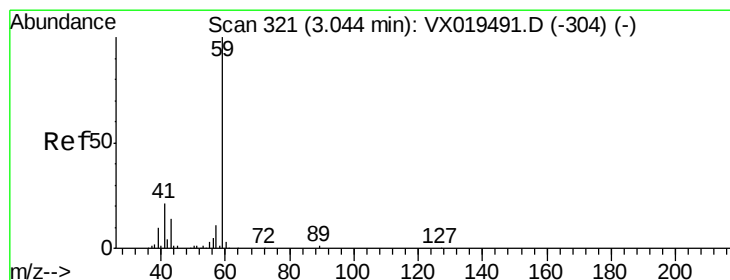
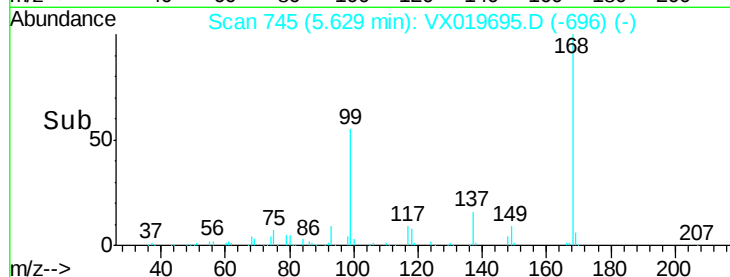
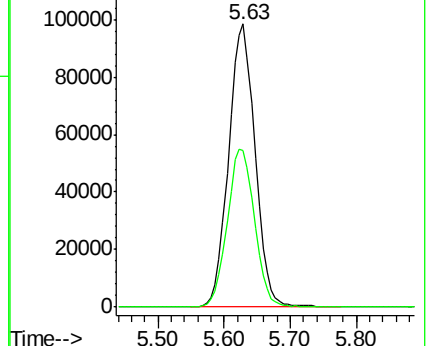
168 100

99 55.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 7.390 ug/l

RT: 3.04 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX019695.D

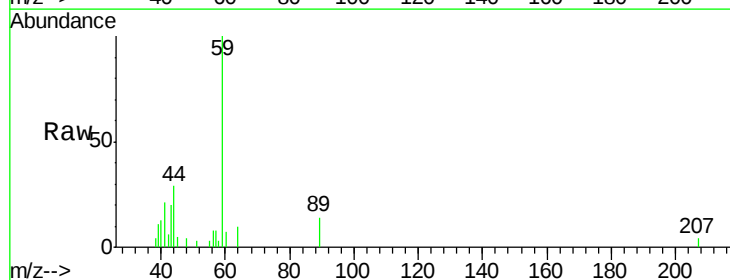
Acq: 01 Dec 2020 15:11

Tgt Ion: 59 Resp: 4953

Ion Ratio Lower Upper

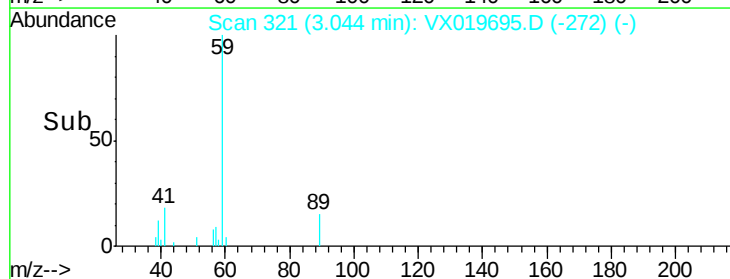
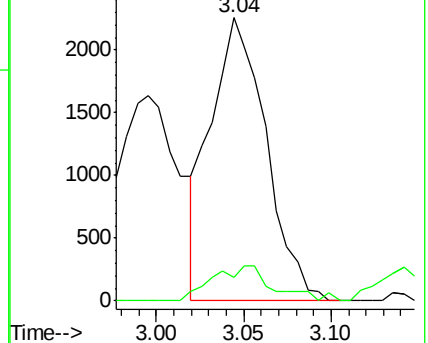
59 100

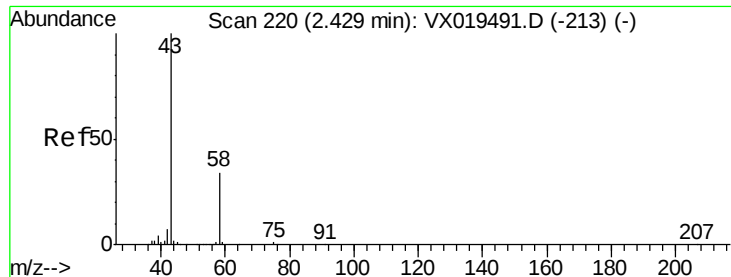
57 13.5 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 16.537 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019695.D

Acq: 01 Dec 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

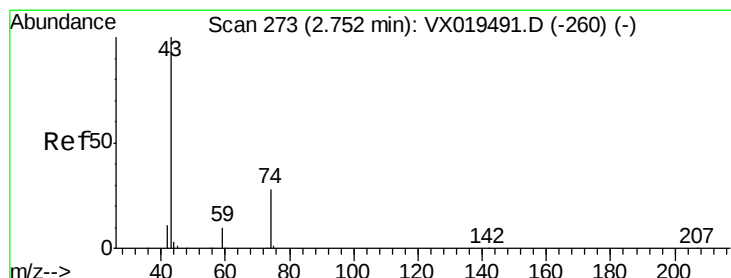
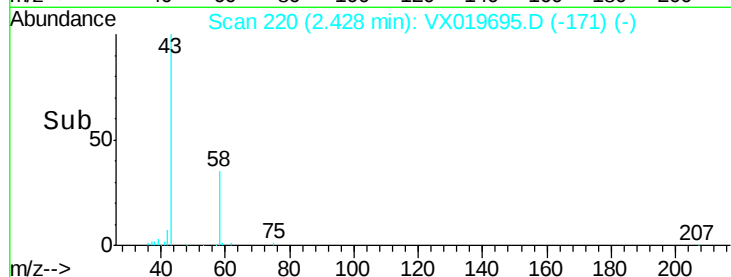
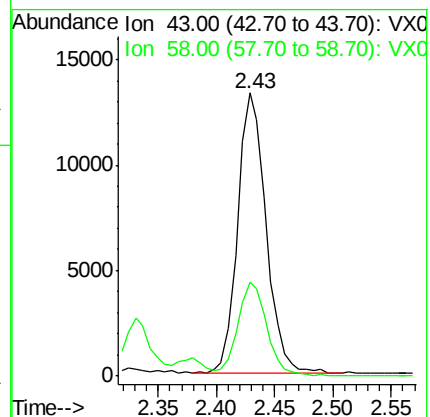
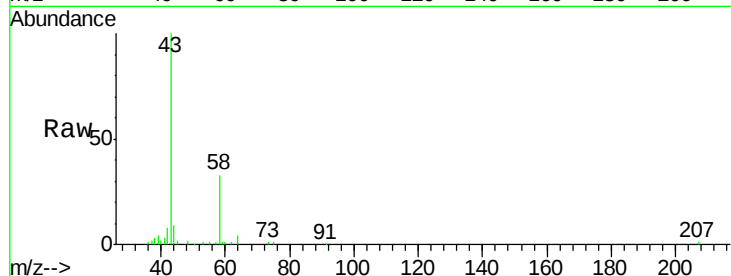
COMP-00-01-02

Tot Ion: 43 Resp: 22648

Ion Ratio Lower Upper

43 100

58 33.7 27.4 41.2



#18

Methyl Acetate

Concen: 1.589 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX019695.D

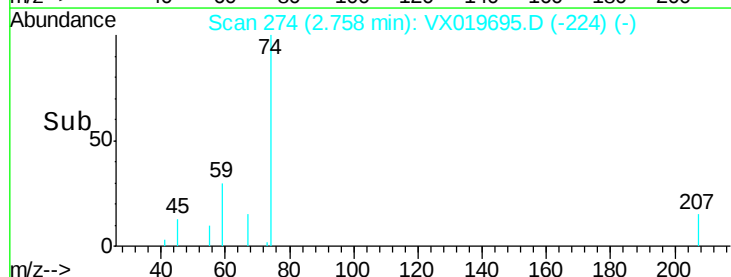
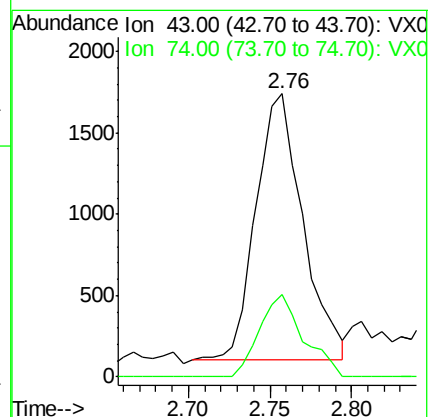
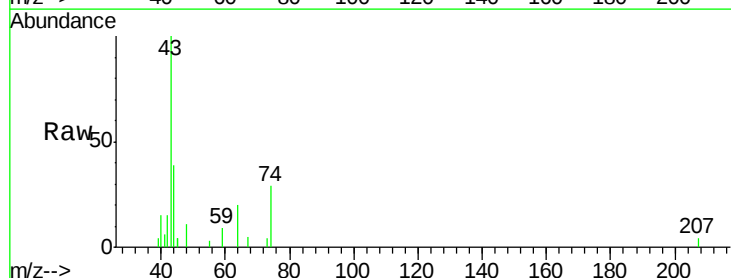
Acq: 01 Dec 2020 15:11

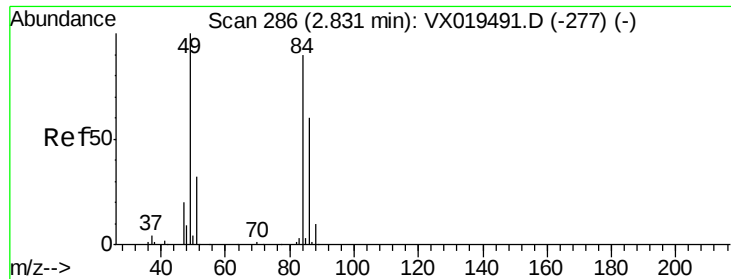
Tgt Ion: 43 Resp: 3245

Ion Ratio Lower Upper

43 100

74 29.4 22.2 33.4

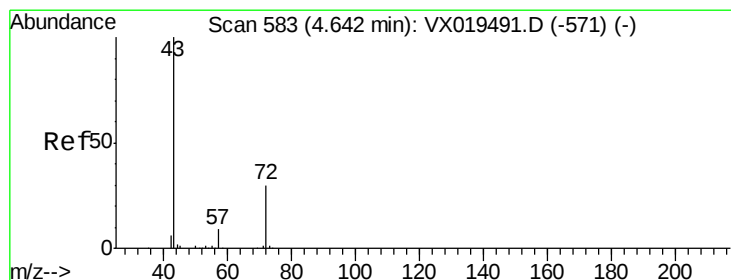
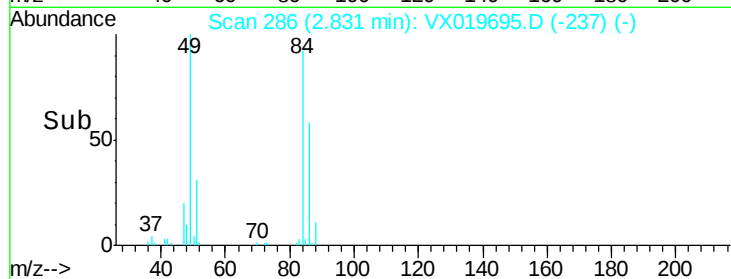
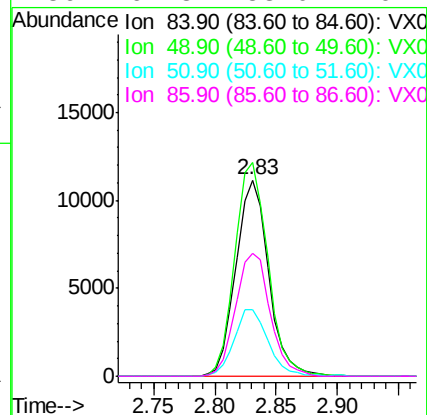
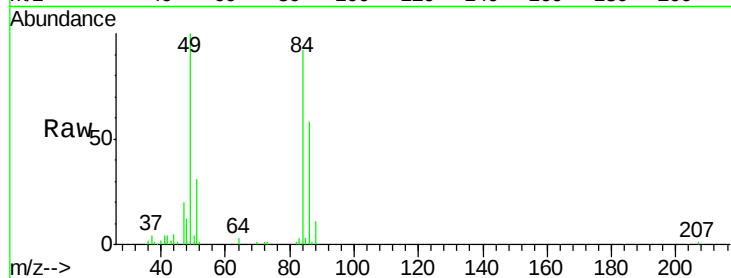




#20
Methvlene Chloride
Concen: 6.040 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019695.D
Acq: 01 Dec 2020 15:11

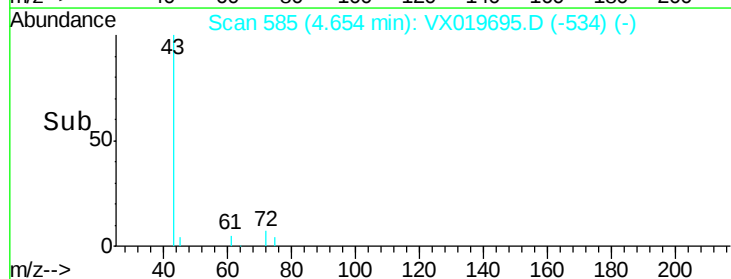
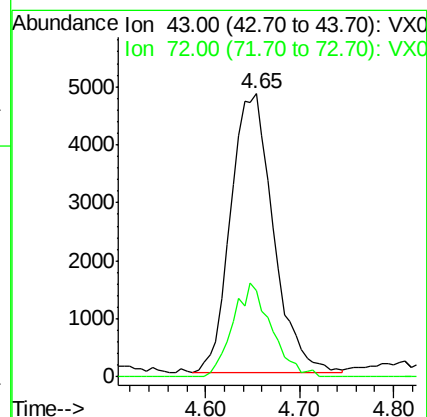
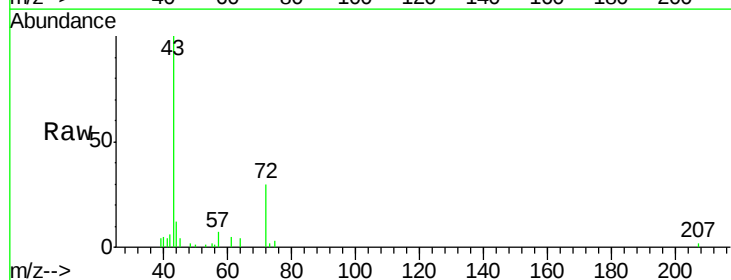
Instrument :
MSVOA_X
ClientSampleId :
COMP-00-01-02

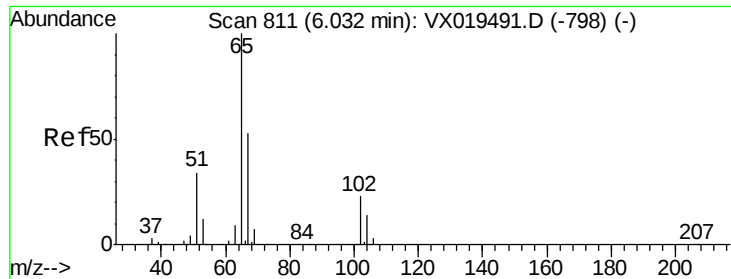
Tot Ion:	84	Resp:	20677
Ion	Ratio	Lower	Upper
84	100		
49	108.7	88.5	132.7
51	33.7	28.0	42.0
86	62.8	53.0	79.4



#25
2-Butanone
Concen: 7.372 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX019695.D
Acq: 01 Dec 2020 15:11

Tgt Ion:	43	Resp:	15166
Ion	Ratio	Lower	Upper
43	100		
72	30.9	24.0	36.0

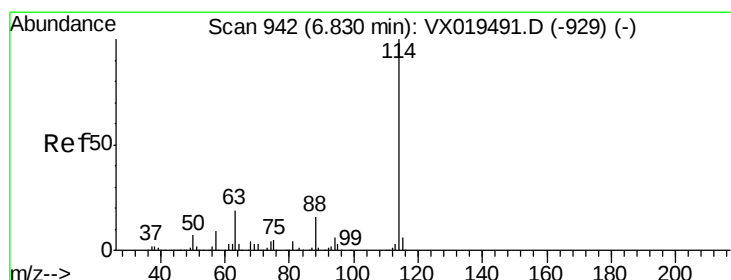
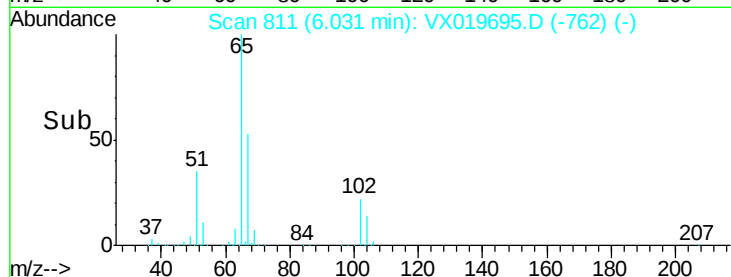
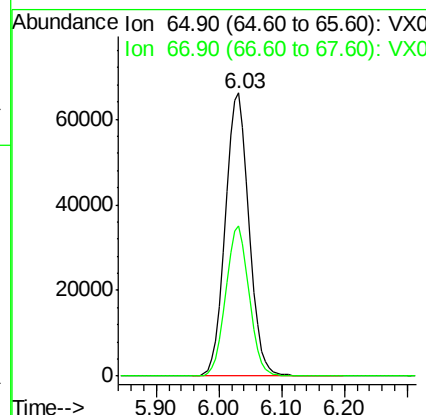
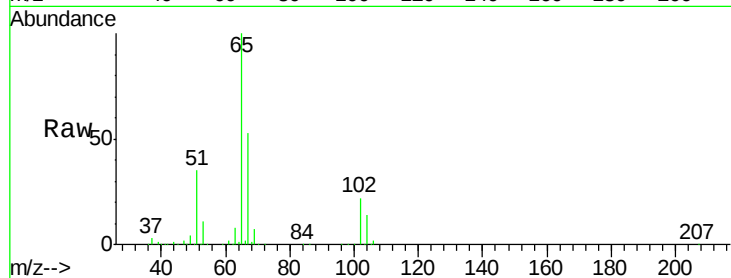




#33
 1,2-Dichloroethane-d4
 Concen: 48.744 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019695.D
 Acq: 01 Dec 2020 15:11

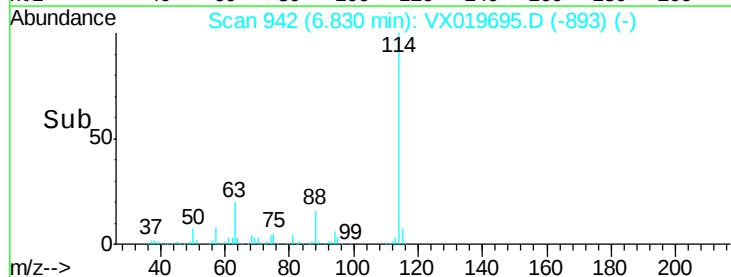
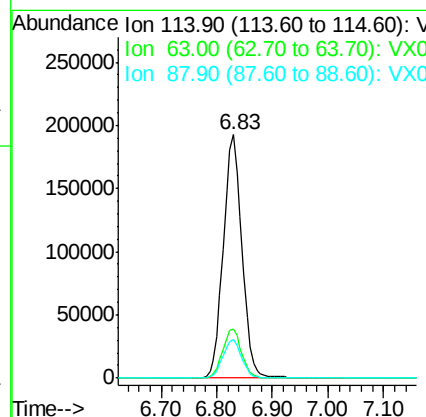
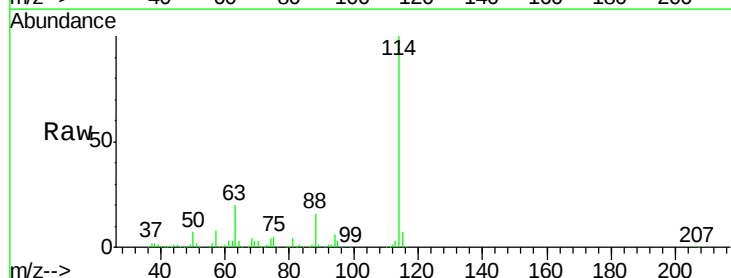
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-00-01-02

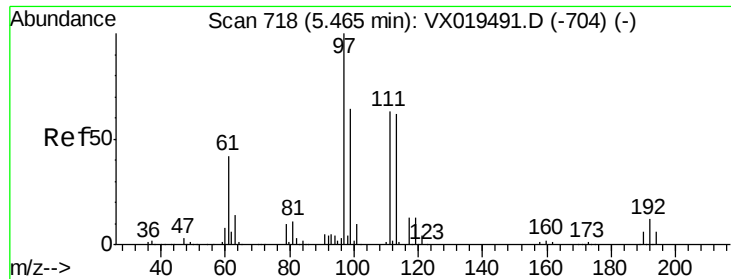
Tot Ion: 65 Resp: 172626
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019695.D
 Acq: 01 Dec 2020 15:11

Tgt Ion: 114 Resp: 447199
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.8
 88 16.1 0.0 31.6

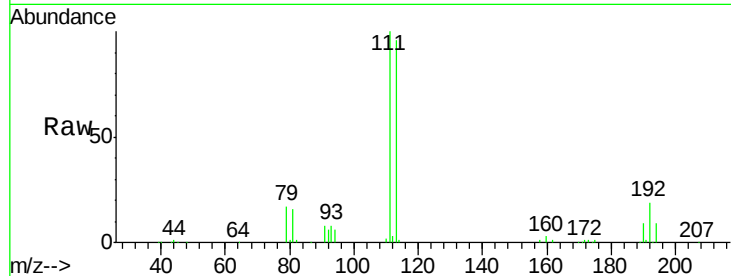




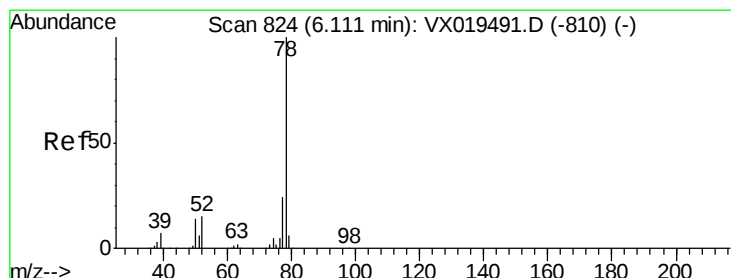
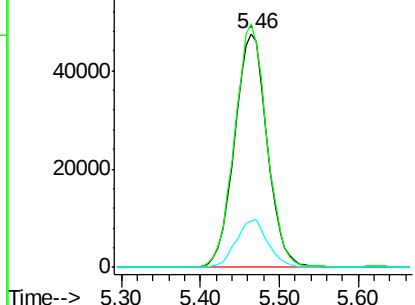
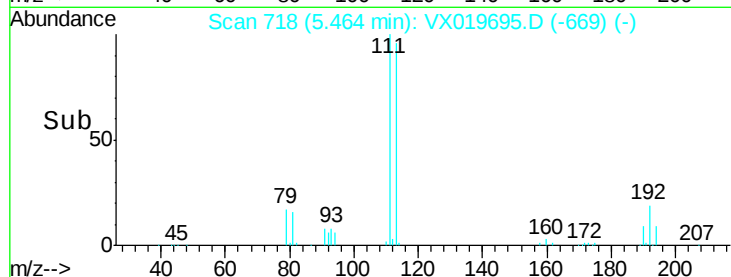
#35
 Dibromofluoromethane
 Concen: 48.586 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019695.D
 Acq: 01 Dec 2020 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-00-01-02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.5	122.3
192	20.1	16.2	24.2

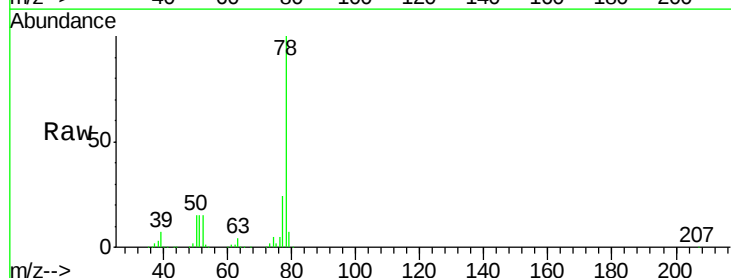


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

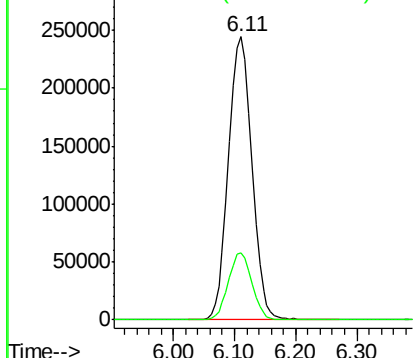
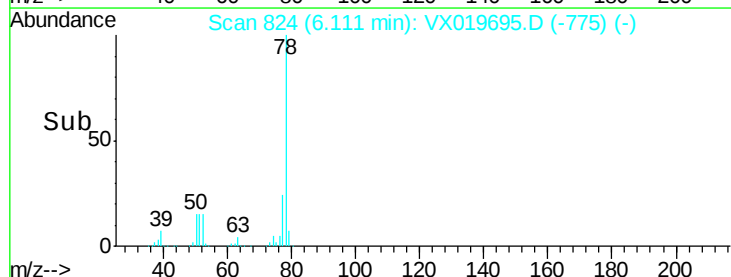


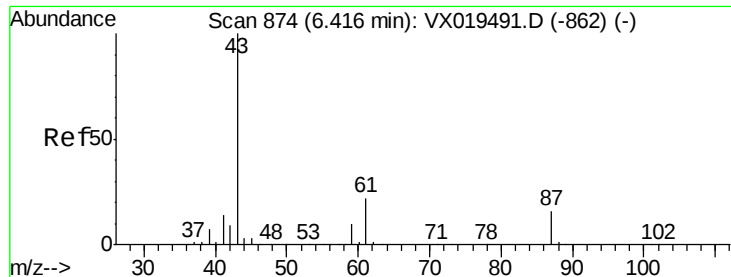
#40
 Benzene
 Concen: 50.197 ug/l
 RT: 6.11 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VX019695.D
 Acq: 01 Dec 2020 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0





#43

Isopropyl Acetate

Concen: 4.506 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX019695.D

Acq: 01 Dec 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

COMP-00-01-02

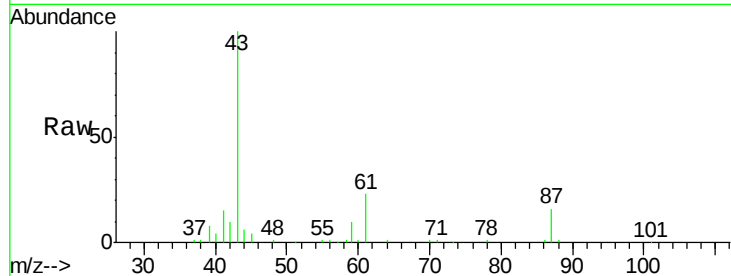
Tot Ion: 43 Resp: 29816

Ion Ratio Lower Upper

43 100

61 22.7 18.2 27.2

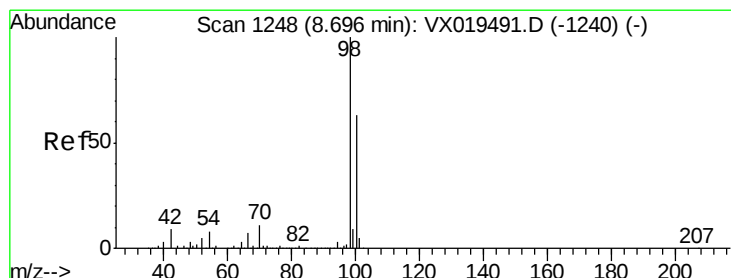
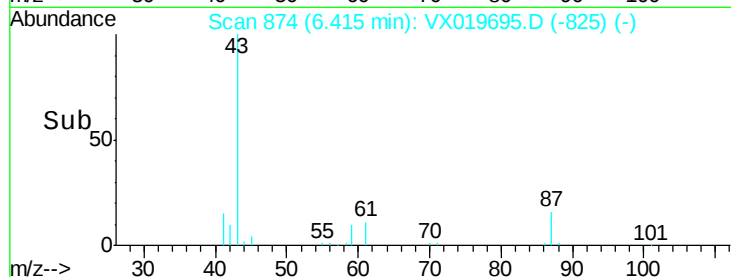
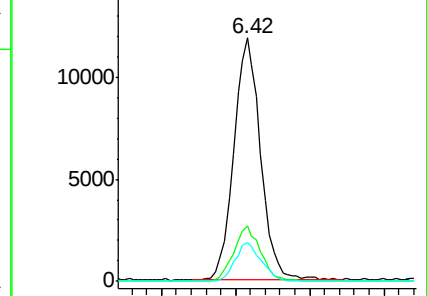
87 15.4 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 49.337 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019695.D

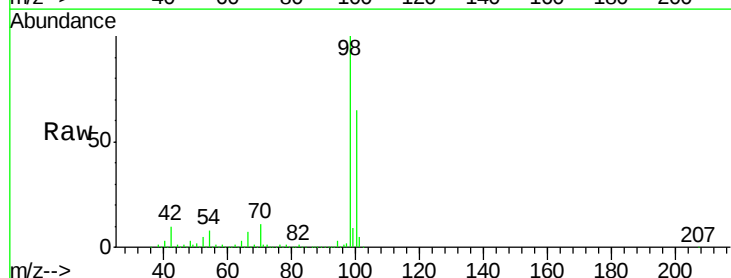
Acq: 01 Dec 2020 15:11

Tgt Ion: 98 Resp: 538166

Ion Ratio Lower Upper

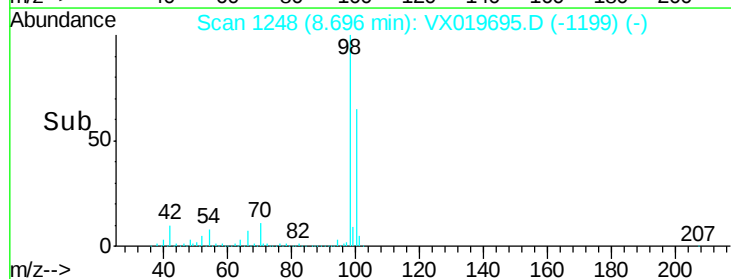
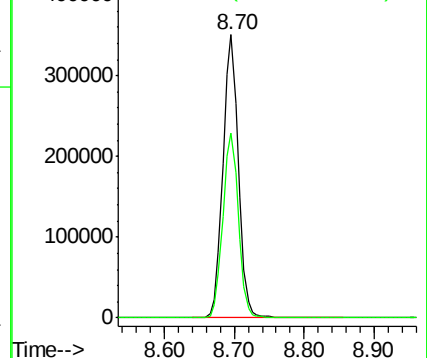
98 100

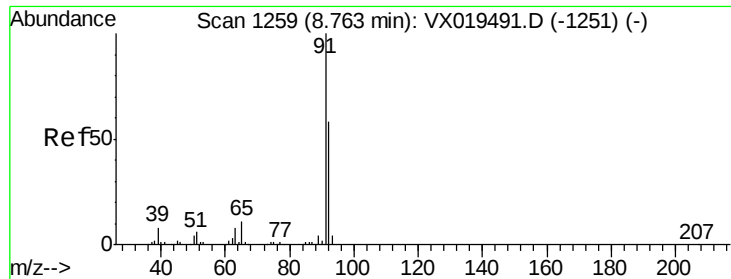
100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 51.501 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019695.D

Acq: 01 Dec 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

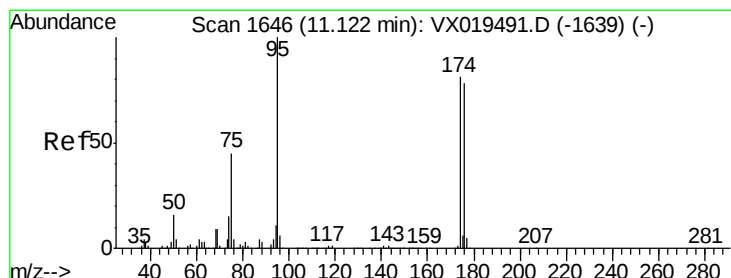
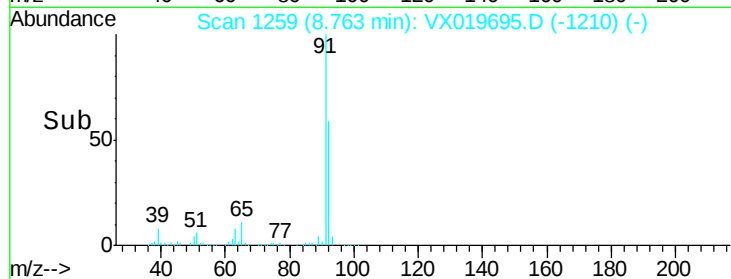
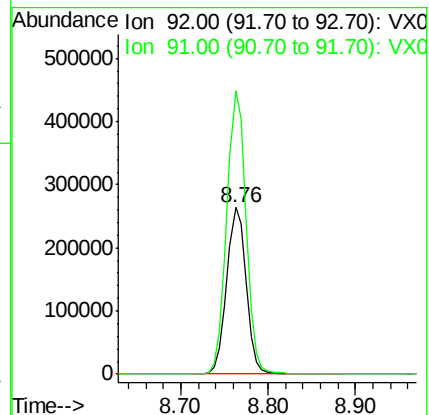
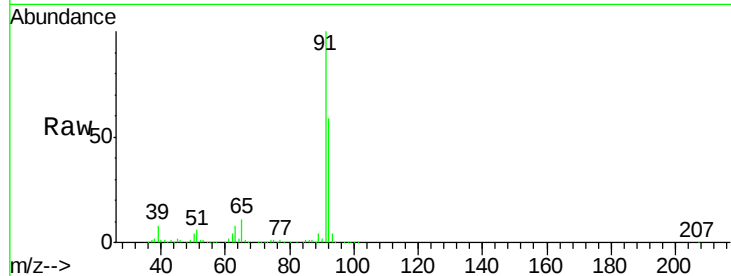
COMP-00-01-02

Tot Ion: 92 Resp: 405844

Ion Ratio Lower Upper

92 100

91 169.4 138.1 207.1



#62

4-Bromofluorobenzene

Concen: 48.918 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019695.D

Acq: 01 Dec 2020 15:11

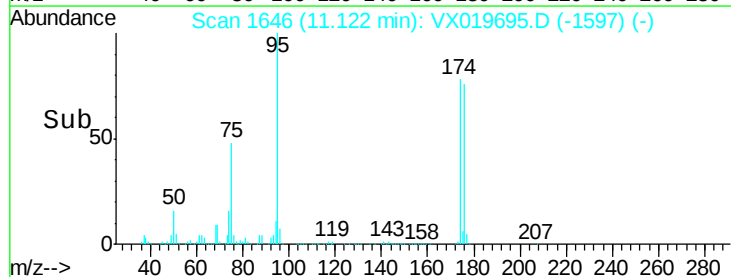
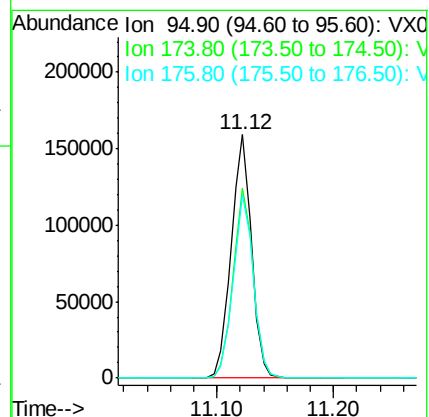
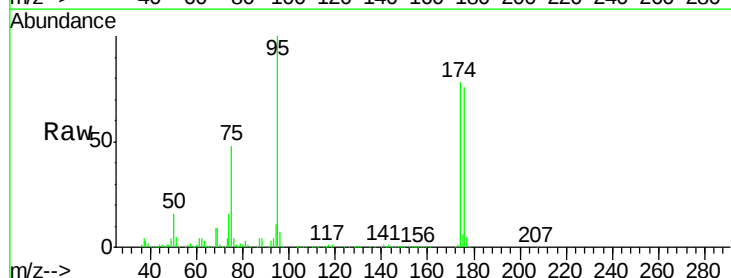
Tgt Ion: 95 Resp: 191980

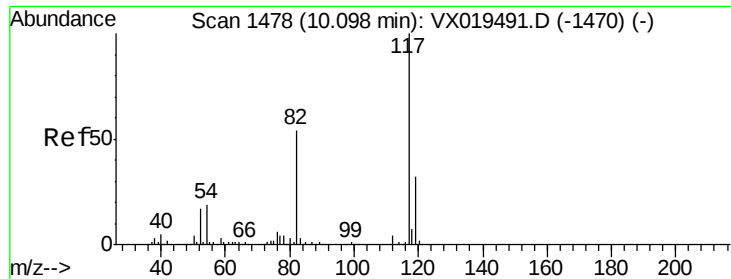
Ion Ratio Lower Upper

95 100

174 78.0 0.0 156.2

176 75.6 0.0 151.4

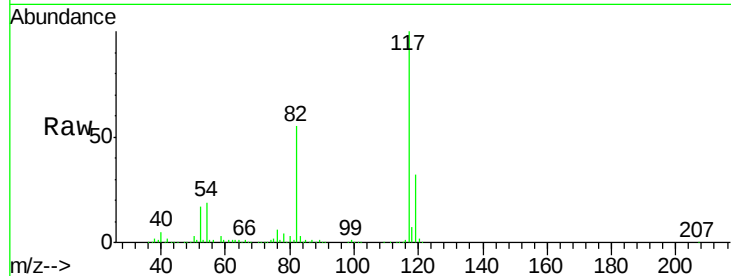




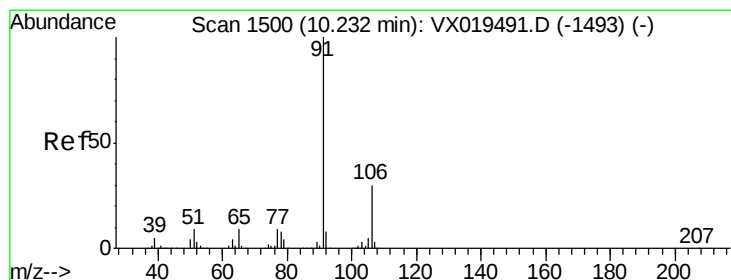
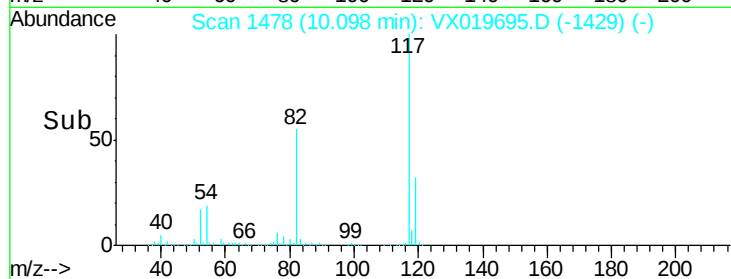
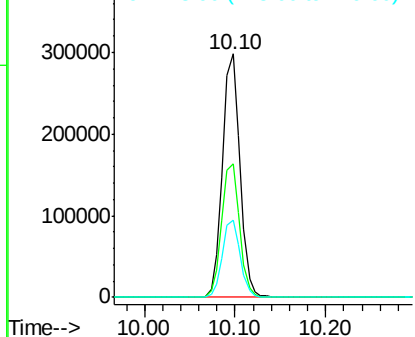
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019695.D
Acq: 01 Dec 2020 15:11

Instrument :
MSVOA_X
ClientSampleId :
COMP-00-01-02

Tot Ion:117 Resp: 402781
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 31.5 25.6 38.4

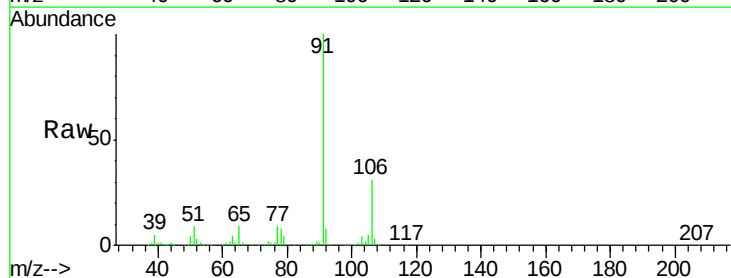


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

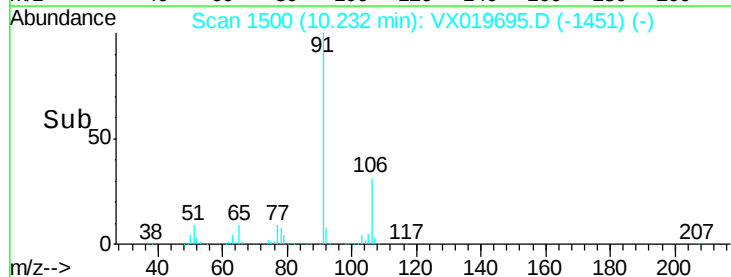
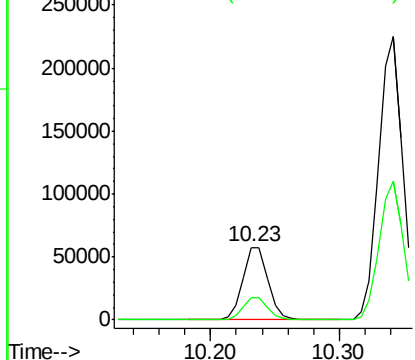


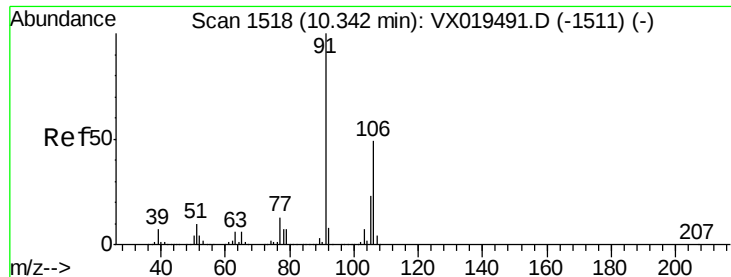
#67
Ethyl Benzene
Concen: 5.381 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019695.D
Acq: 01 Dec 2020 15:11

Tgt Ion: 91 Resp: 78059
Ion Ratio Lower Upper
91 100
106 31.3 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

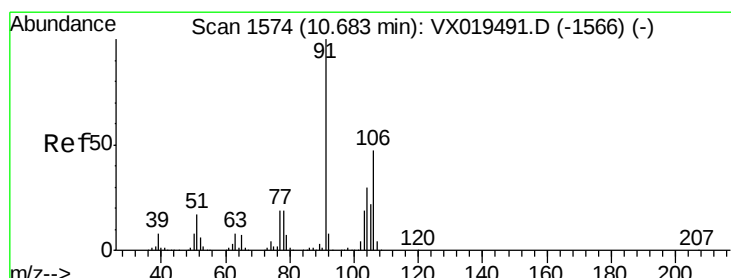
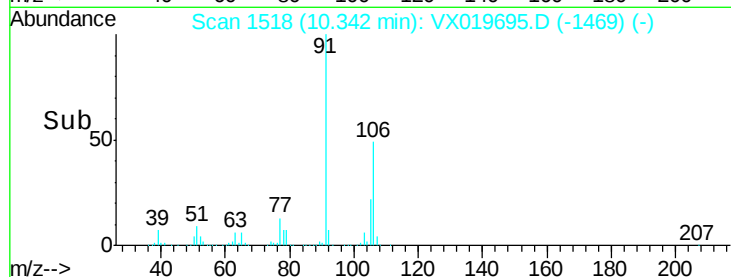
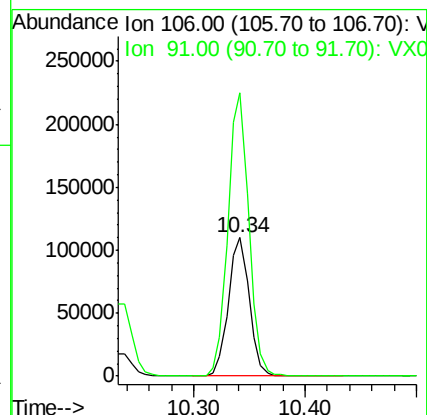
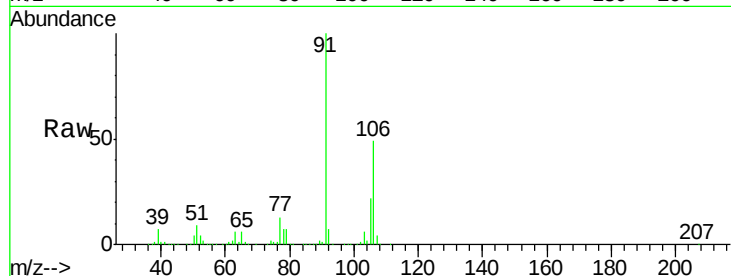




#68
m/p-Xylenes
Concen: 26.510 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019695.D
Acq: 01 Dec 2020 15:11

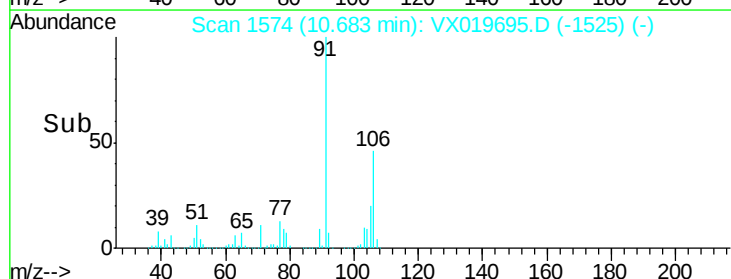
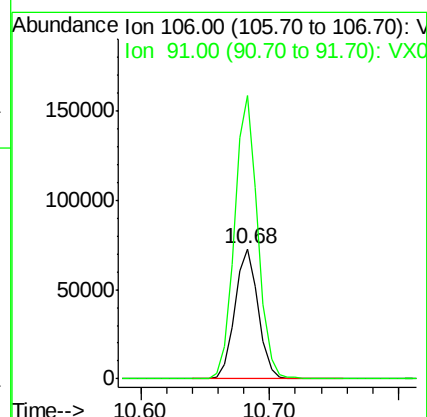
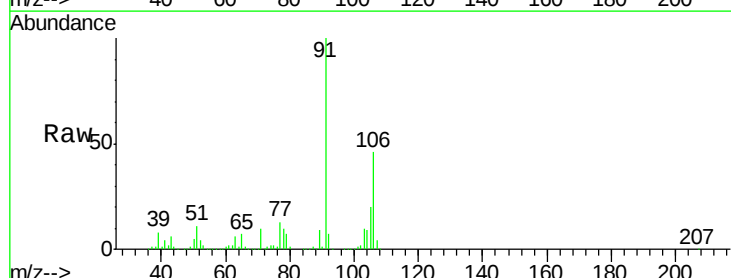
Instrument :
MSVOA_X
ClientSampled :
COMP-00-01-02

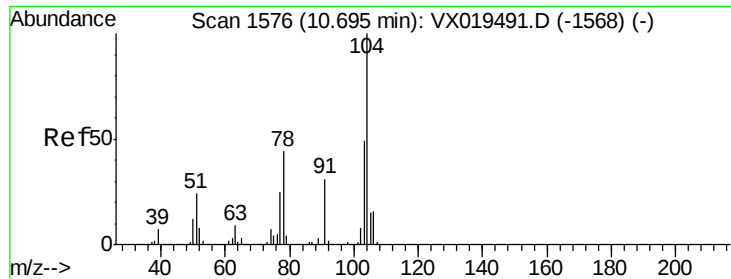
Tot Ion:106 Resp: 143286
Ion Ratio Lower Upper
106 100
91 203.7 163.3 244.9



#69
o-Xylene
Concen: 17.874 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019695.D
Acq: 01 Dec 2020 15:11

Tgt Ion:106 Resp: 92348
Ion Ratio Lower Upper
106 100
91 215.6 108.0 324.0

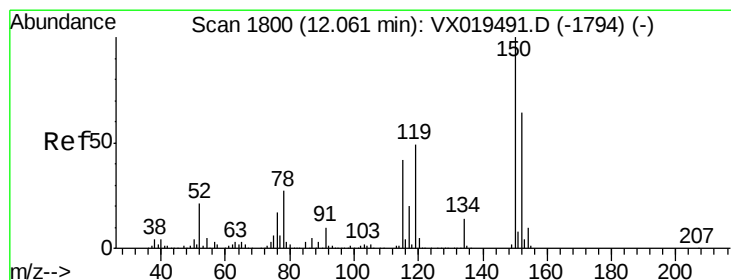
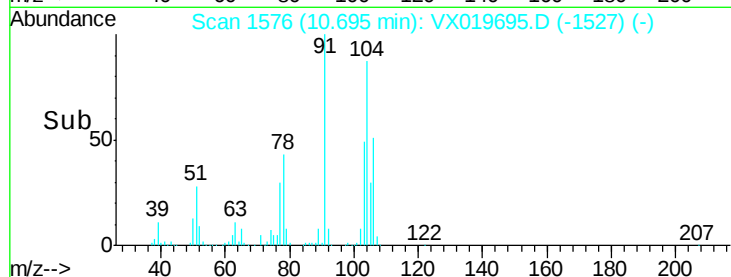
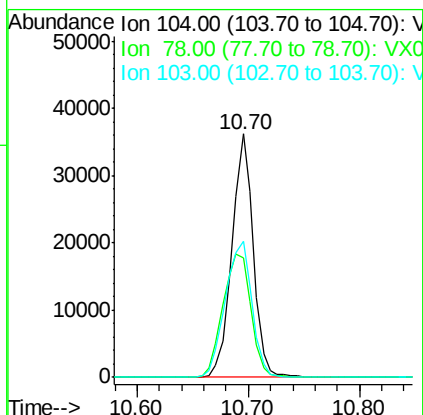
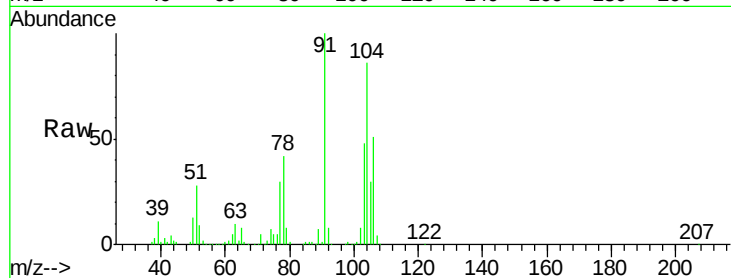




#70
Stvrene
Concen: 6.492 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019695.D
Acq: 01 Dec 2020 15:11

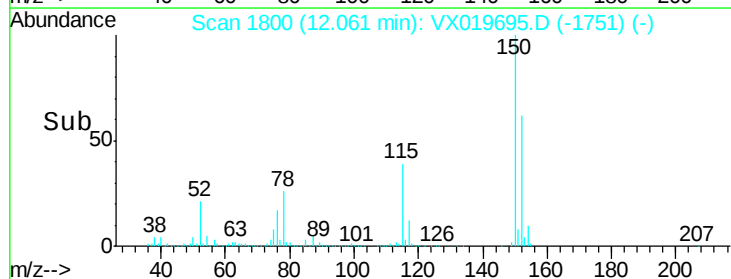
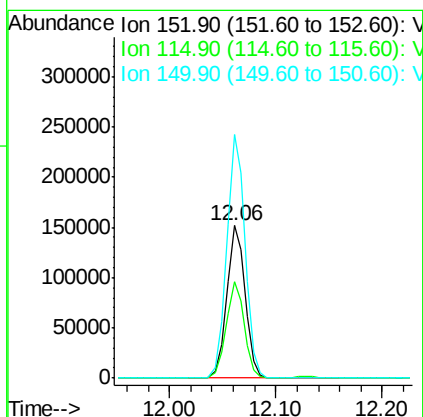
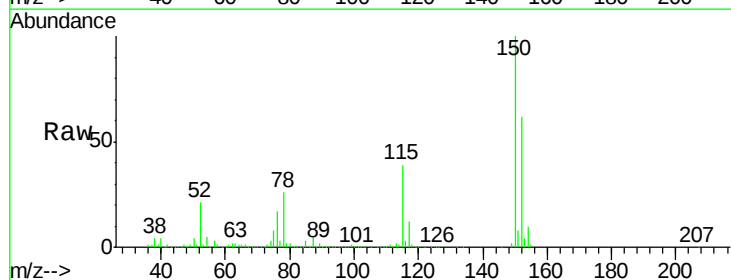
Instrument :
MSVOA_X
ClientSampleId :
COMP-00-01-02

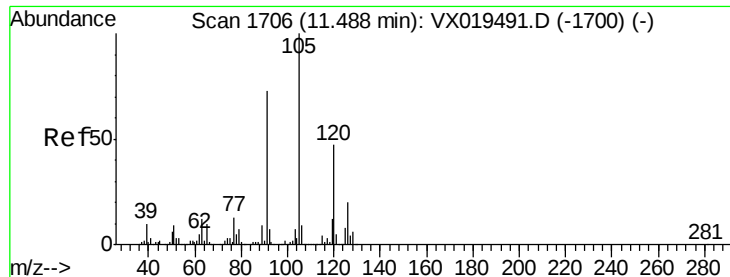
Tot Ion:104 Resp: 47923
Ion Ratio Lower Upper
104 100
78 66.7 39.5 59.3#
103 69.7 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019695.D
Acq: 01 Dec 2020 15:11

Tgt Ion:152 Resp: 182802
Ion Ratio Lower Upper
152 100
115 61.8 41.8 125.4
150 159.9 0.0 348.2





#80

1,3,5-Trimethylbenzene

Concen: 3.401 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019695.D

Acq: 01 Dec 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

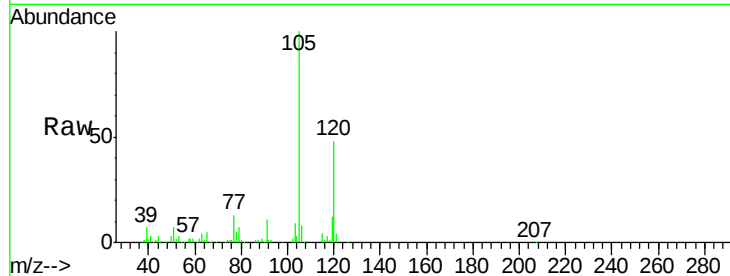
COMP-00-01-02

Tot Ion:105 Resp: 36082

Ion Ratio Lower Upper

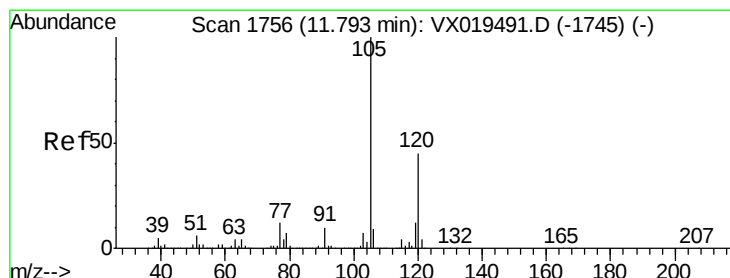
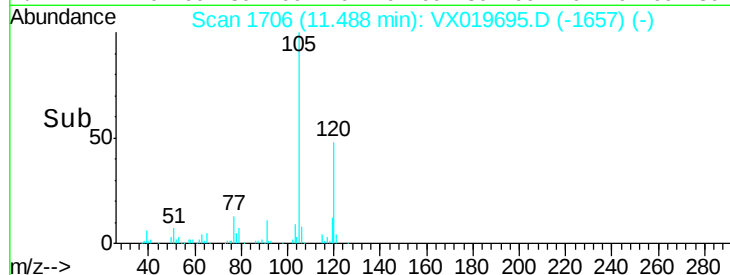
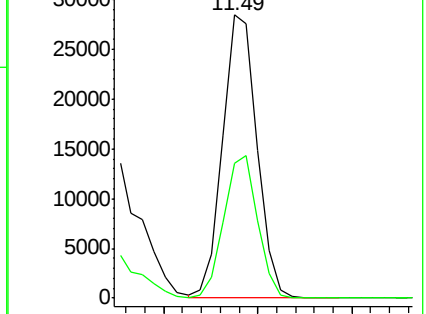
105 100

120 49.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.795 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019695.D

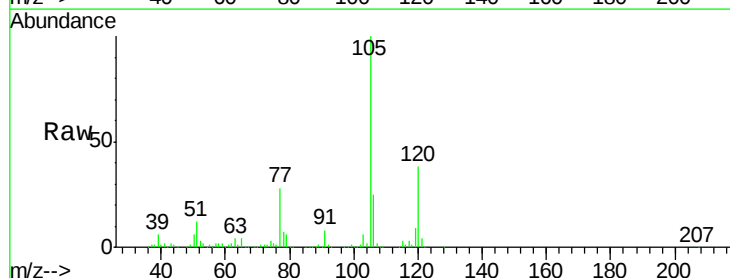
Acq: 01 Dec 2020 15:11

Tgt Ion:105 Resp: 94406

Ion Ratio Lower Upper

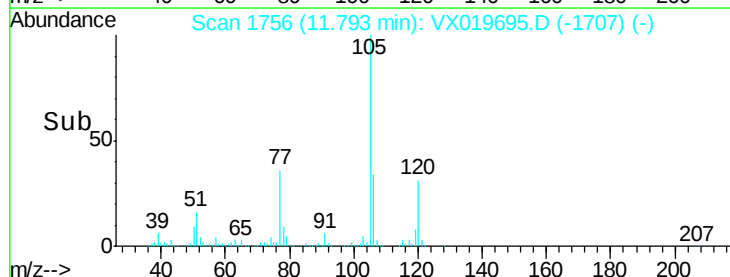
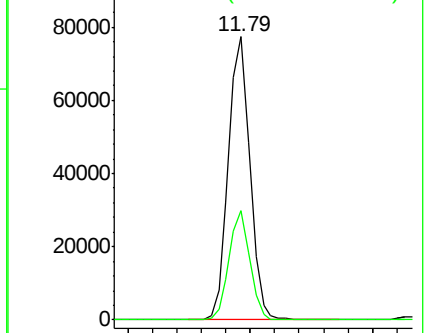
105 100

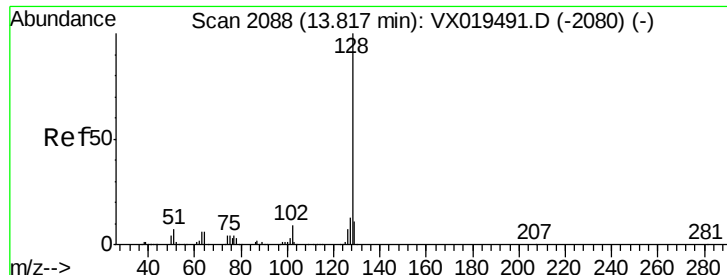
120 36.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

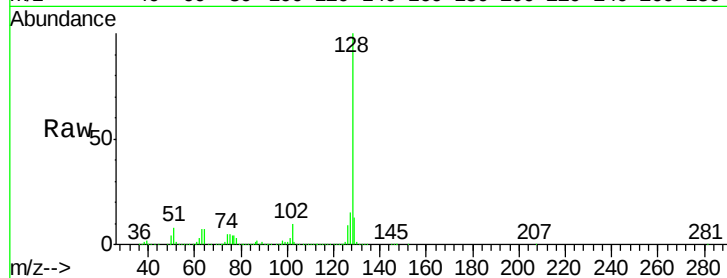




#95
Naphthalene
Concen: 509.583 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019695.D
Acq: 01 Dec 2020 15:11

Instrument :
MSVOA_X
ClientSampleId :
COMP-00-01-02

Tot Ion:128 Resp: 7153242
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 11.9 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

