

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120120\
 Data File : VX019696.D
 Acq On : 01 Dec 2020 15:34
 Operator : JC/MD
 Sample : L4905-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-03-04-05

Quant Time: Dec 02 03:17:56 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	274834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	462778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	413508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	193995	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	176039	49.40	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.80%
35) Dibromofluoromethane	5.46	113	140722	48.44	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.88%
50) Toluene-d8	8.70	98	556586	49.31	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.62%
62) 4-Bromofluorobenzene	11.12	95	198242	48.81	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.62%

Target Compounds

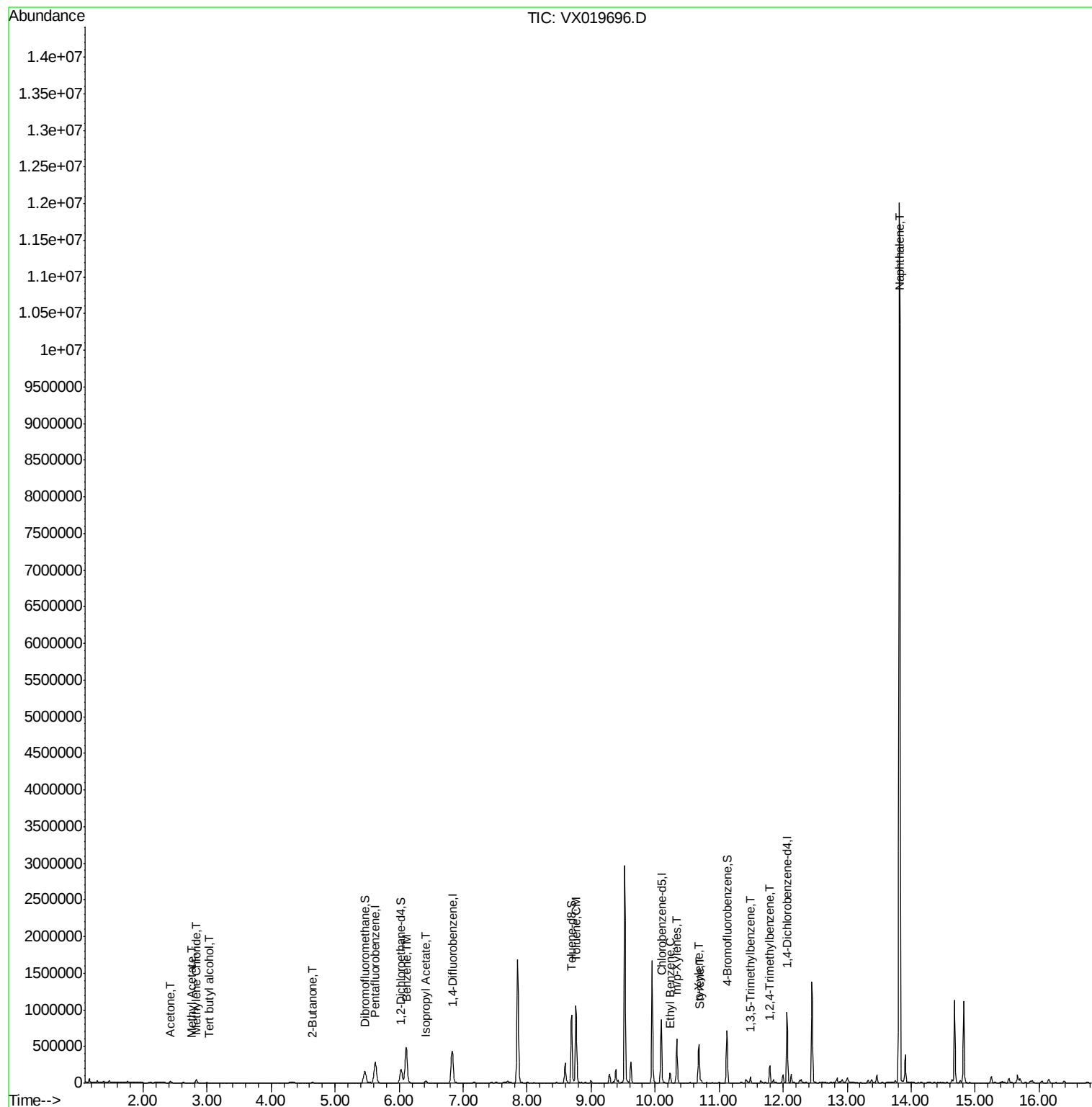
					Qvalue
11) Tert butyl alcohol	3.03	59	5039	7.472 ug/l #	90
16) Acetone	2.43	43	21485	15.591 ug/l	96
18) Methyl Acetate	2.75	43	3076	1.533 ug/l	95
20) Methylene Chloride	2.83	84	22217	6.450 ug/l	97
25) 2-Butanone	4.64	43	15424	7.451 ug/l	98
40) Benzene	6.11	78	619014	46.437 ug/l	100
43) Isopropyl Acetate	6.42	43	31557	4.609 ug/l	100
52) Toluene	8.76	92	399938	49.043 ug/l	99
67) Ethyl Benzene	10.23	91	81346	5.462 ug/l	99
68) m/p-Xylenes	10.34	106	145266	26.179 ug/l	100
69) o-Xylene	10.68	106	91630	17.274 ug/l	98
70) Styrene	10.70	104	46948	6.270 ug/l #	76
80) 1,3,5-Trimethylbenzene	11.49	105	37238	3.308 ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	93167	8.179 ug/l	90
95) Naphthalene	13.82	128	7093914	476.342 ug/l	98

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

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COMP-03-04-05

Quant Time: Dec 02 03:17:56 2020
Quant Method : Z:\V0ASRV\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: VX019696.D

Acq: 01 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

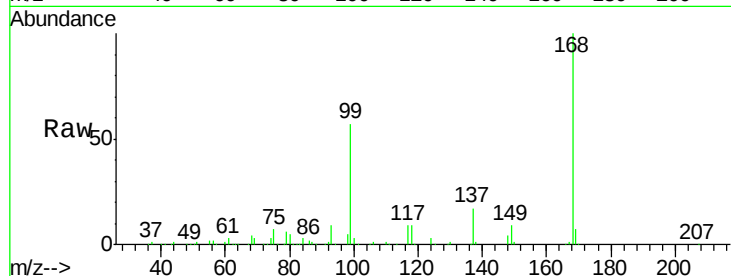
COMP-03-04-05

Tot Ion:168 Resp: 274834

Ion Ratio Lower Upper

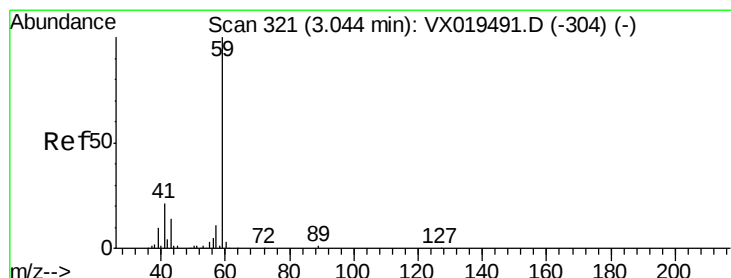
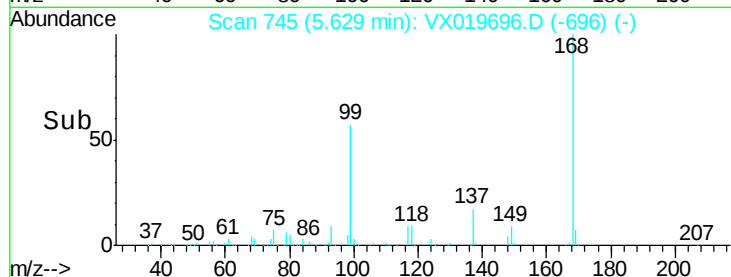
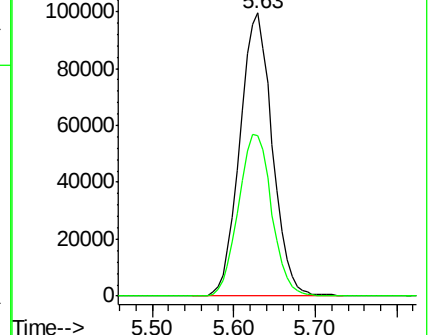
168 100

99 56.9 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: 7.472 ug/l

RT: 3.03 min Scan# 319

Delta R.T. -0.01 min

Lab File: VX019696.D

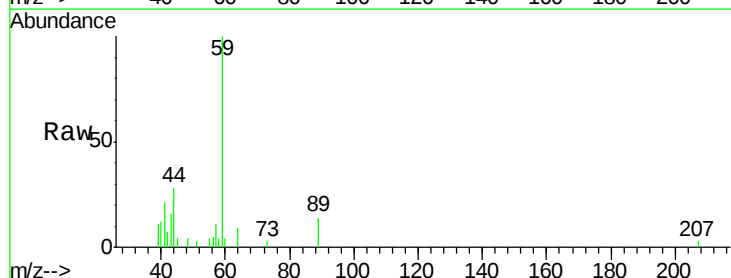
Acq: 01 Dec 2020 15:34

Tgt Ion: 59 Resp: 5039

Ion Ratio Lower Upper

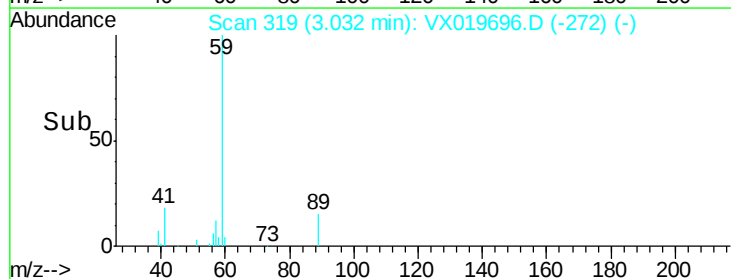
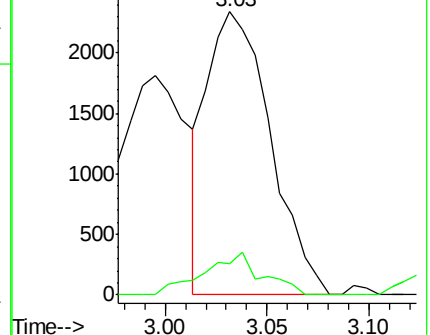
59 100

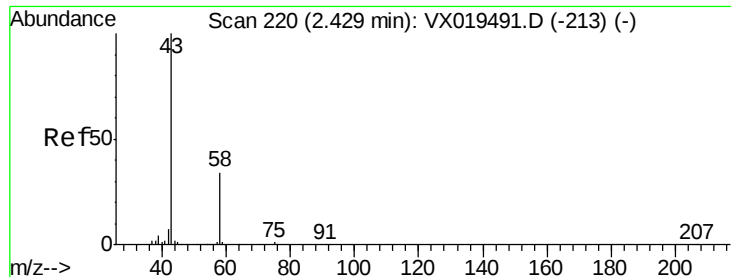
57 13.7 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 15.591 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019696.D

Acq: 01 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

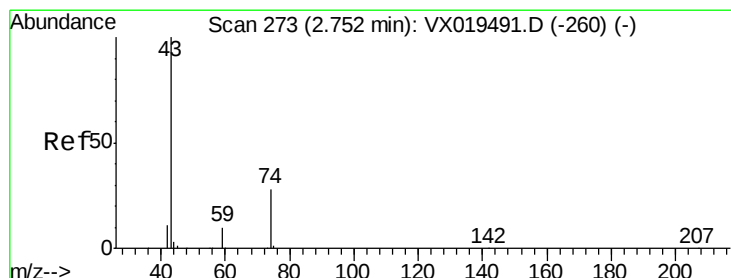
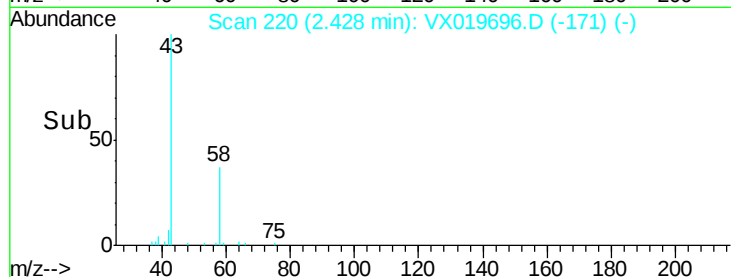
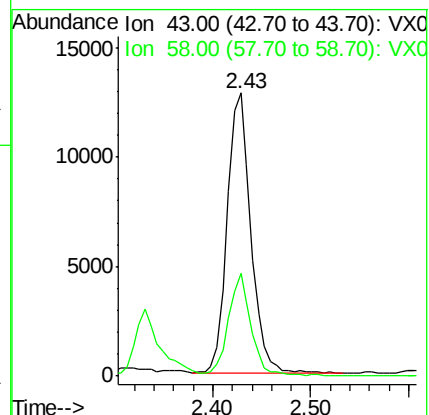
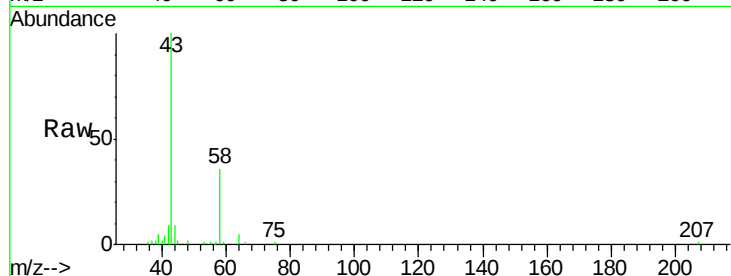
COMP-03-04-05

Tot Ion: 43 Resp: 21485

Ion Ratio Lower Upper

43 100

58 36.7 27.4 41.2



#18

Methyl Acetate

Concen: 1.533 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019696.D

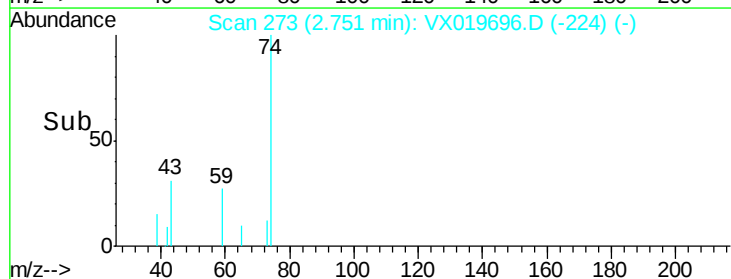
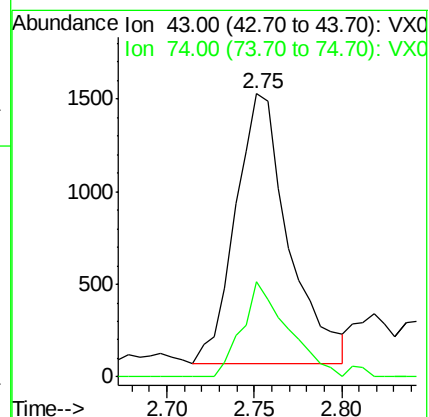
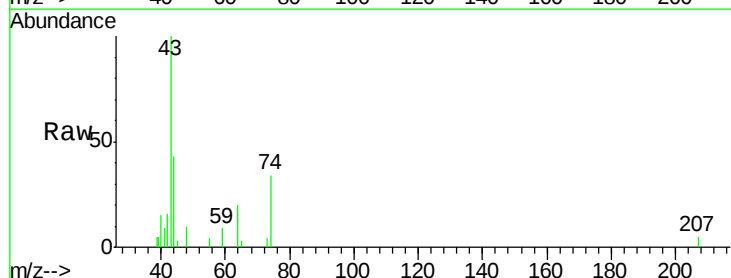
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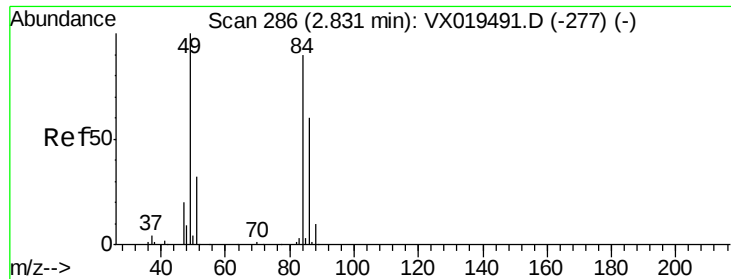
Tgt Ion: 43 Resp: 3076

Ion Ratio Lower Upper

43 100

74 30.3 22.2 33.4

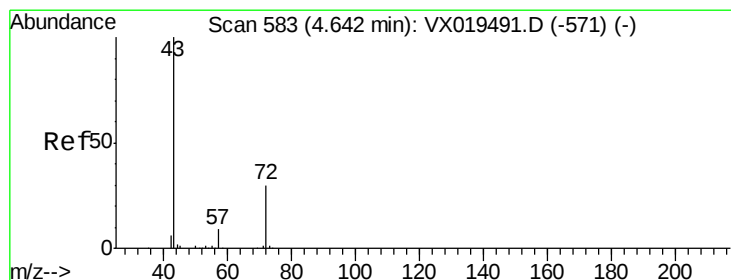
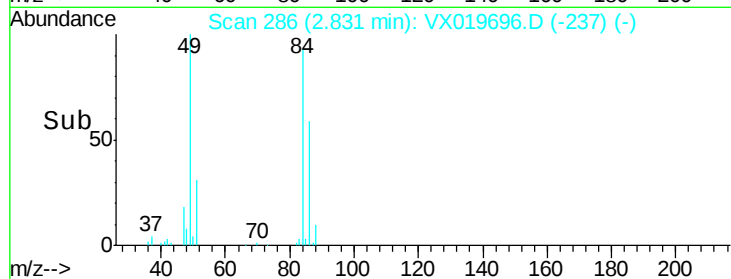
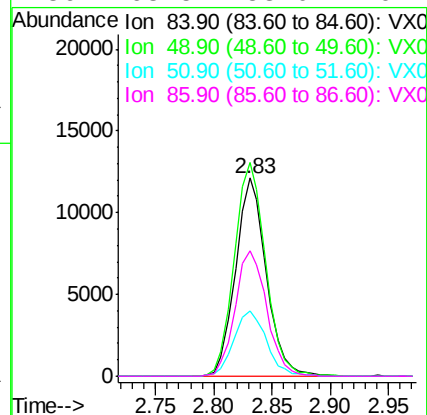
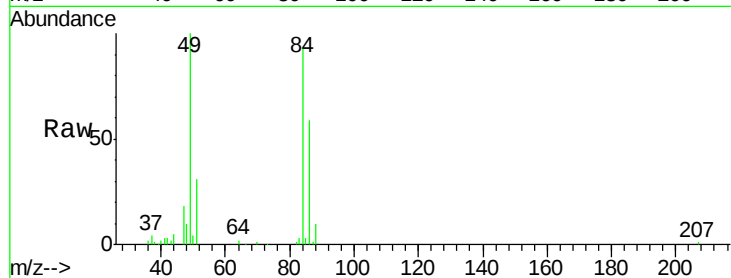




#20
Methvlene Chloride
Concen: 6.450 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

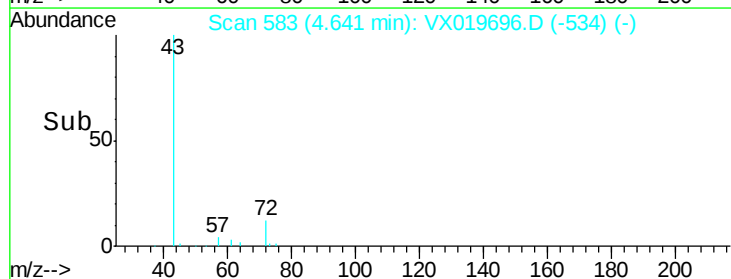
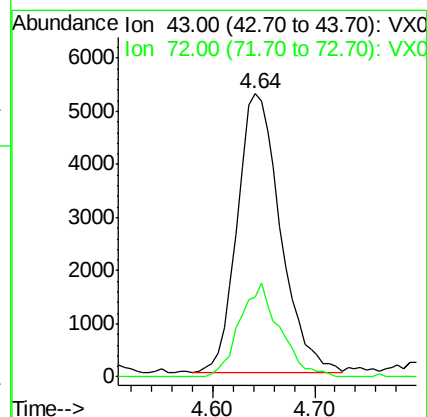
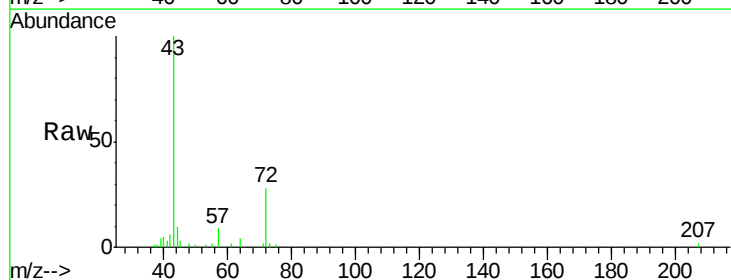
Instrument :
MSVOA_X
ClientSampleId :
COMP-03-04-05

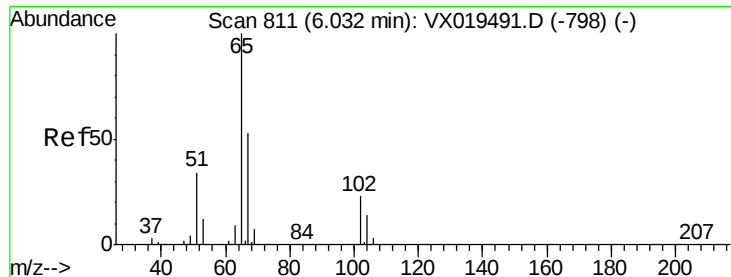
Tot Ion: 84 Resp: 22217
Ion Ratio Lower Upper
84 100
49 107.8 88.5 132.7
51 33.0 28.0 42.0
86 63.5 53.0 79.4



#25
2-Butanone
Concen: 7.451 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

Tgt Ion: 43 Resp: 15424
Ion Ratio Lower Upper
43 100
72 28.7 24.0 36.0

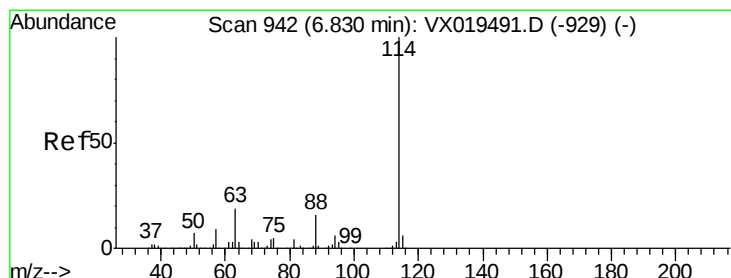
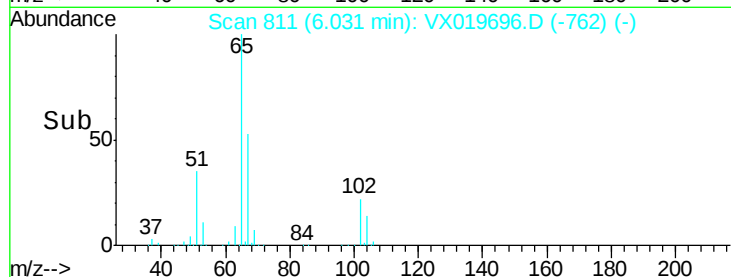
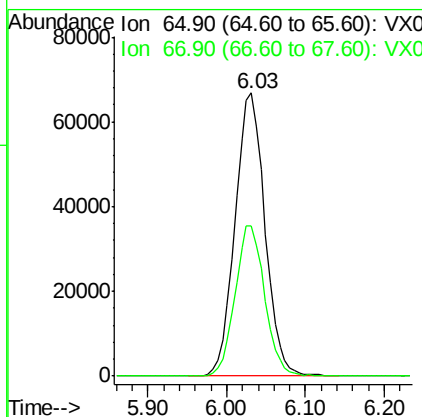
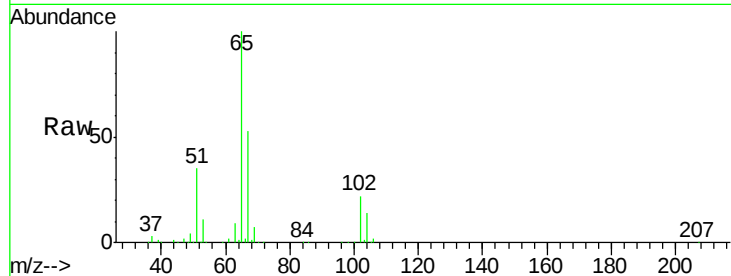




#33
 1,2-Dichloroethane-d4
 Concen: 49.401 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019696.D
 Acq: 01 Dec 2020 15:34

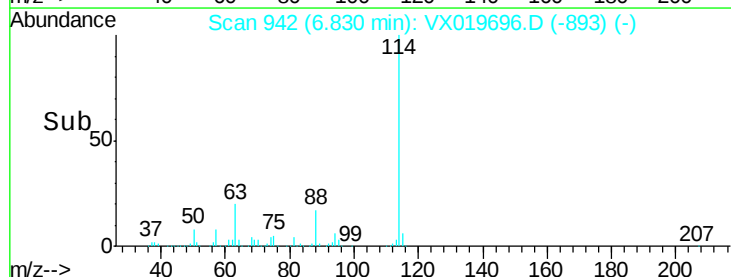
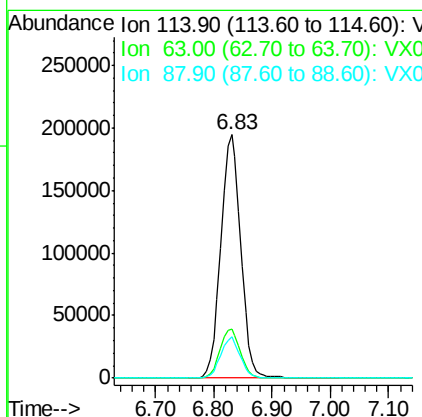
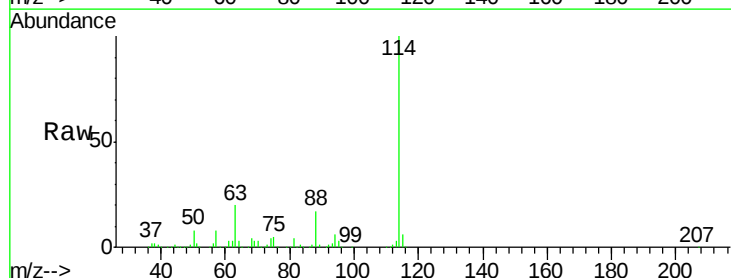
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-03-04-05

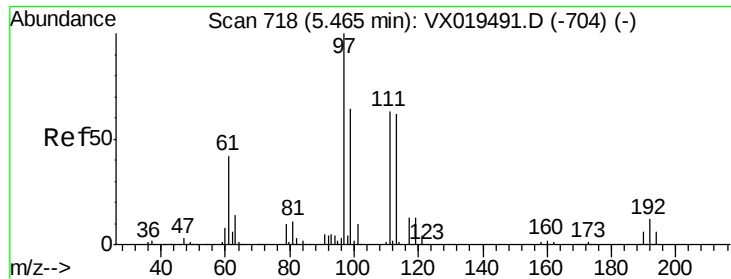
Tot Ion: 65 Resp: 176039
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019696.D
 Acq: 01 Dec 2020 15:34

Tgt Ion: 114 Resp: 462778
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.8
 88 16.8 0.0 31.6

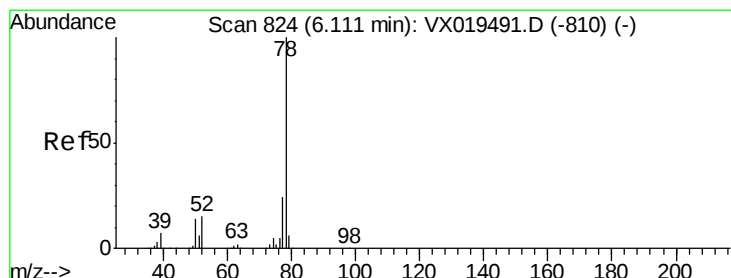
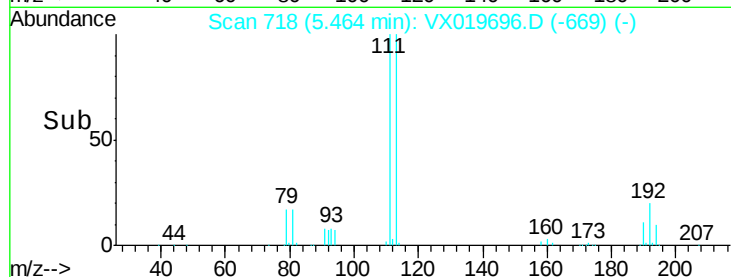
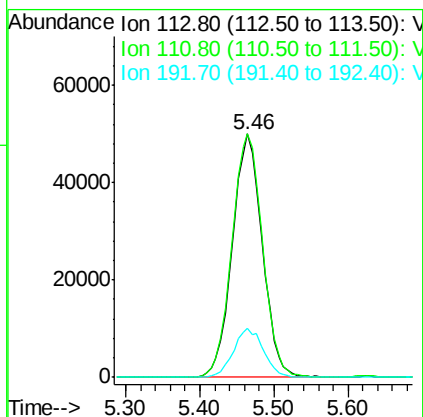
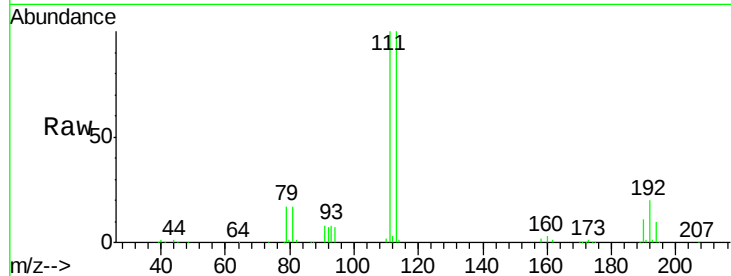




#35
 Dibromofluoromethane
 Concen: 48.444 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019696.D
 Acq: 01 Dec 2020 15:34

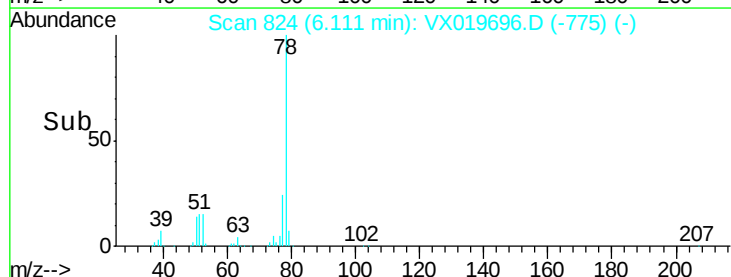
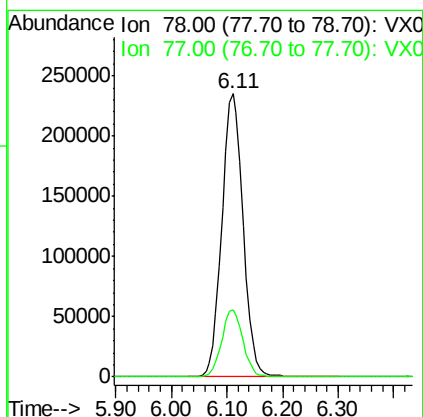
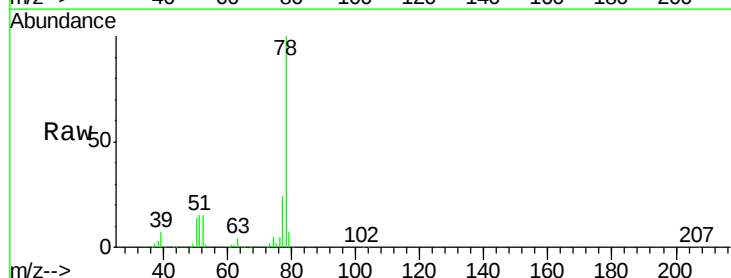
Instrument :
 MSVOA_X
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 COMP-03-04-05

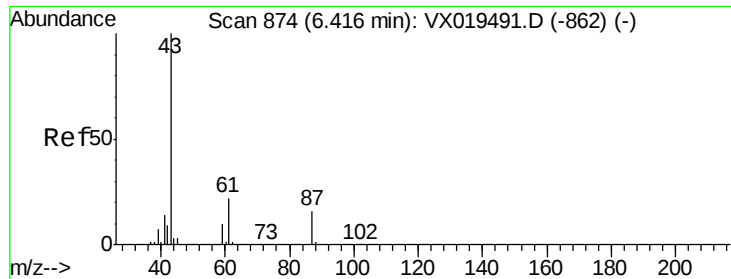
Tot Ion:113 Resp: 140722
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.5 122.3
 192 20.3 16.2 24.2



#40
 Benzene
 Concen: 46.437 ug/l
 RT: 6.11 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VX019696.D
 Acq: 01 Dec 2020 15:34

Tgt Ion: 78 Resp: 619014
 Ion Ratio Lower Upper
 78 100
 77 23.7 18.9 28.3

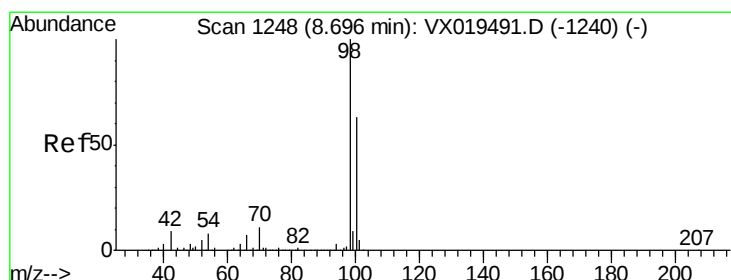
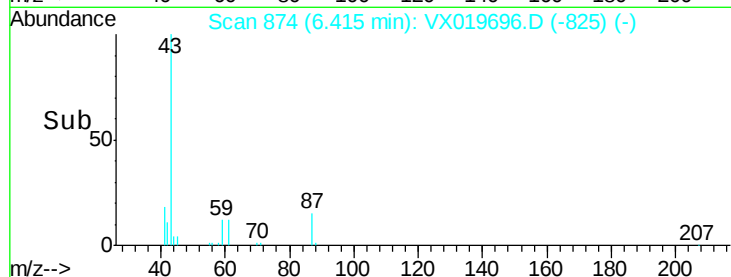
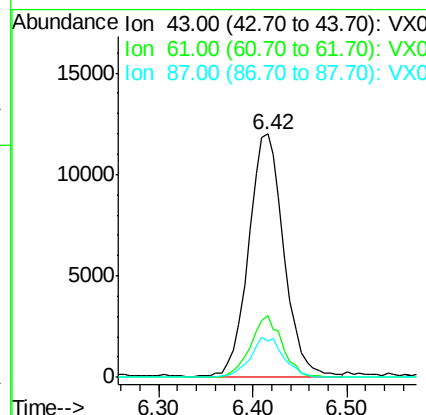
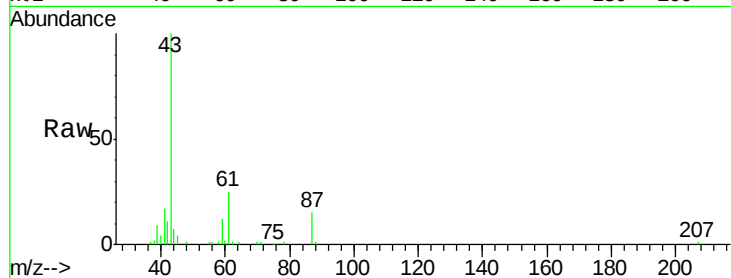




#43
Isopropyl Acetate
Concen: 4.609 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

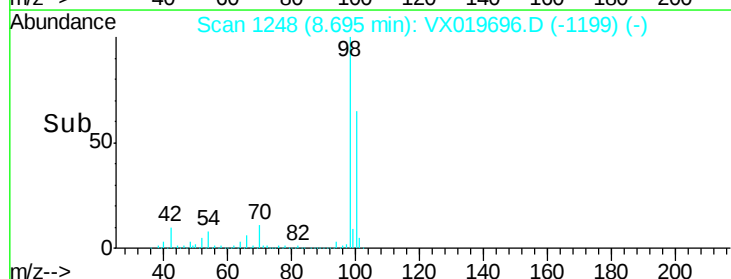
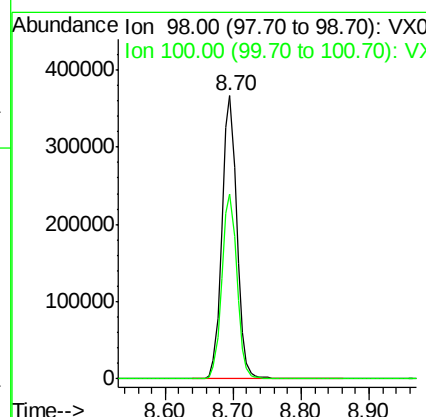
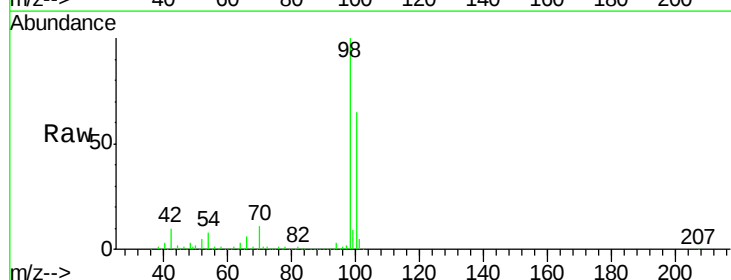
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MSVOA_X
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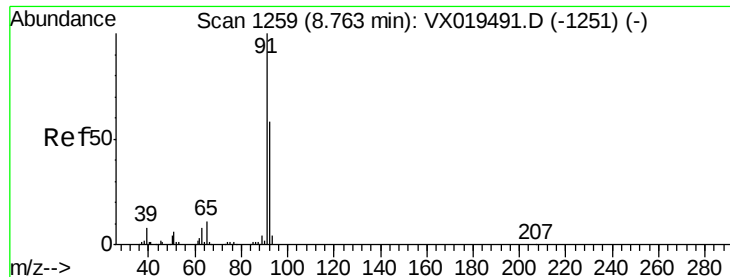
Tot Ion: 43 Resp: 31557
Ion Ratio Lower Upper
43 100
61 22.6 18.2 27.2
87 15.4 12.6 18.8



#50
Toluene-d8
Concen: 49.308 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

Tgt Ion: 98 Resp: 556586
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6





#52

Toluene

Concen: 49.043 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019696.D

Acq: 01 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

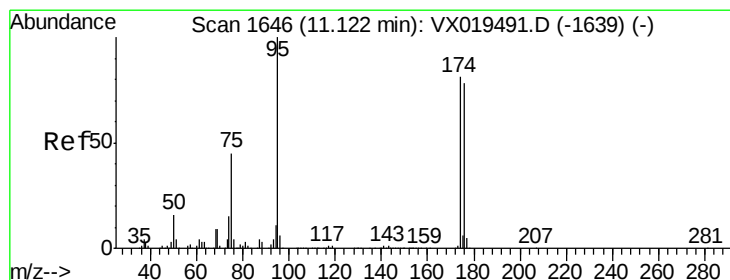
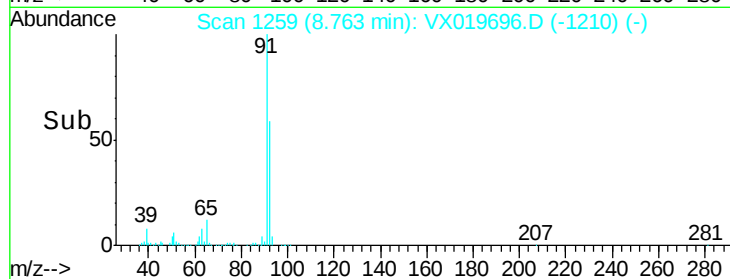
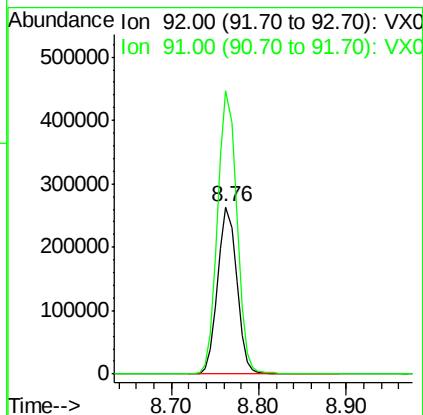
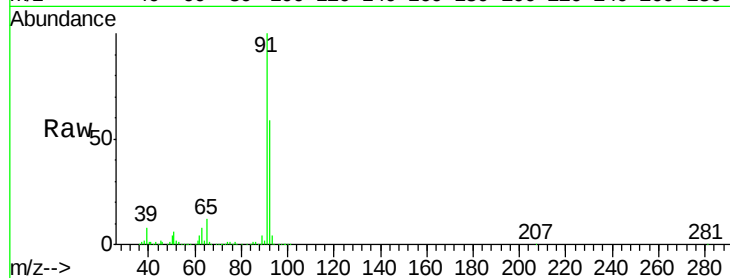
COMP-03-04-05

Tot Ion: 92 Resp: 399938

Ion Ratio Lower Upper

92 100

91 171.1 138.1 207.1



#62

4-Bromofluorobenzene

Concen: 48.813 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019696.D

Acq: 01 Dec 2020 15:34

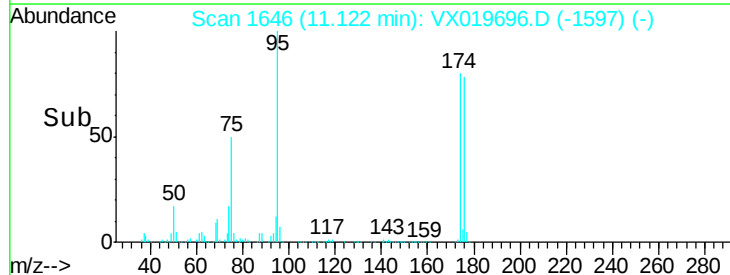
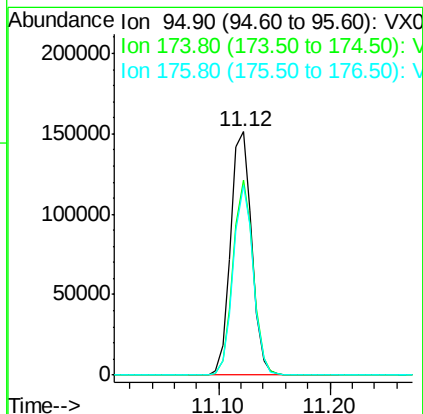
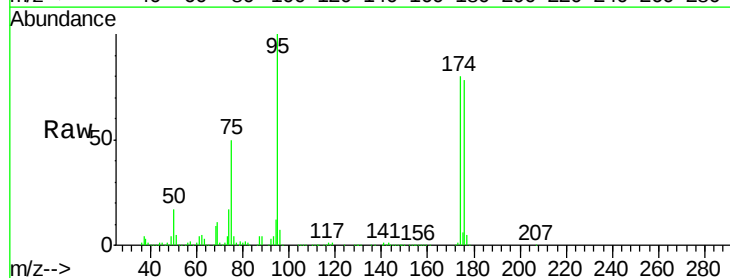
Tgt Ion: 95 Resp: 198242

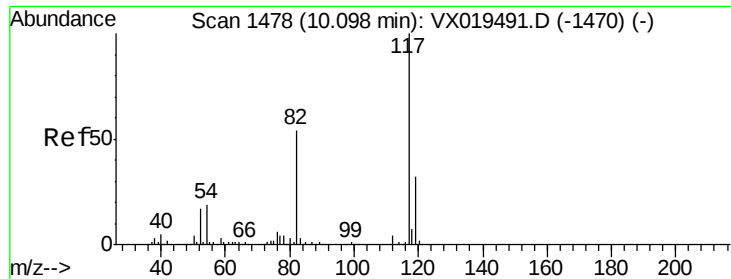
Ion Ratio Lower Upper

95 100

174 76.9 0.0 156.2

176 74.2 0.0 151.4

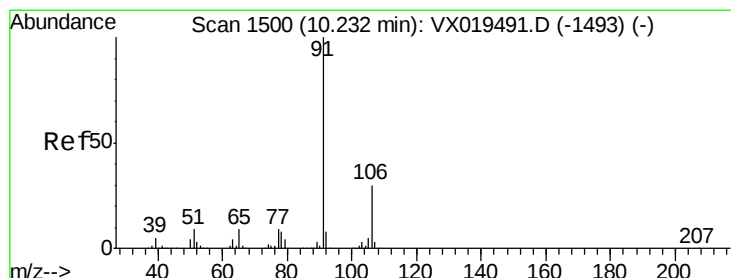
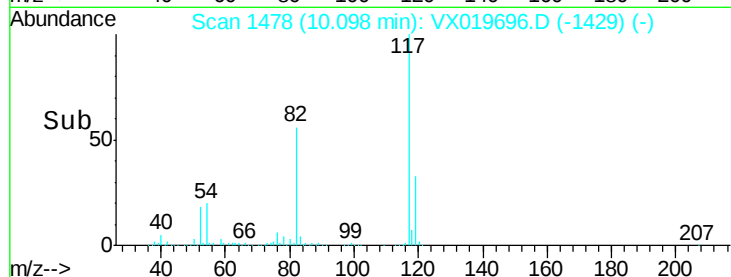
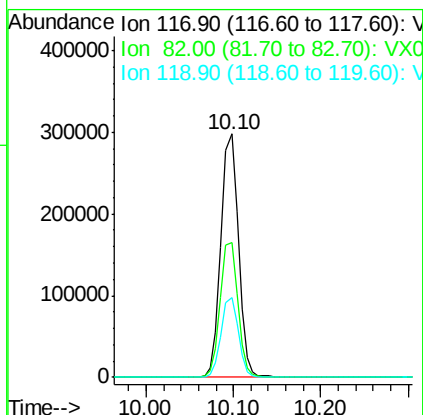
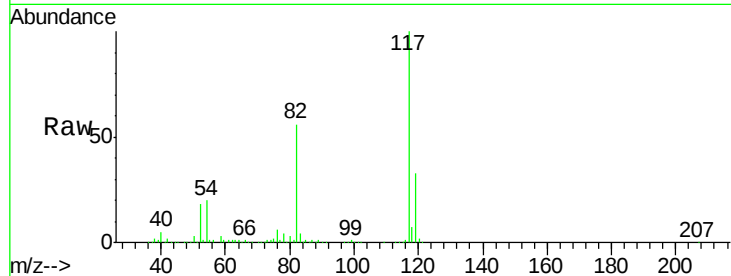




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

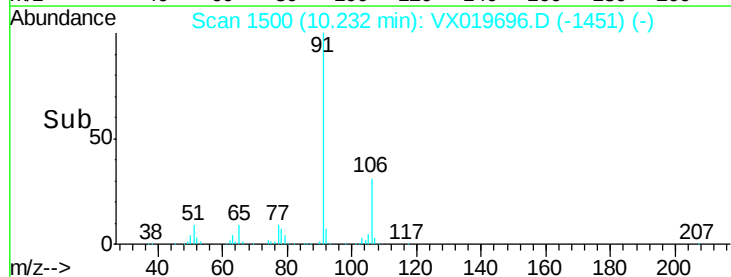
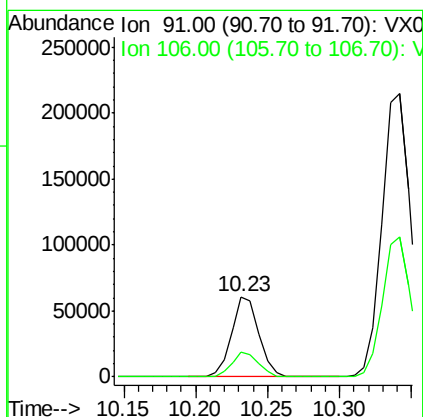
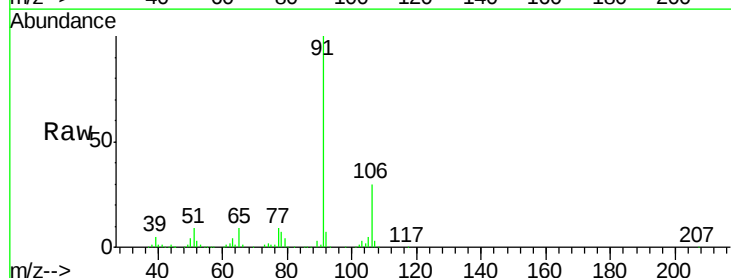
Instrument :
MSVOA_X
ClientSampleId :
COMP-03-04-05

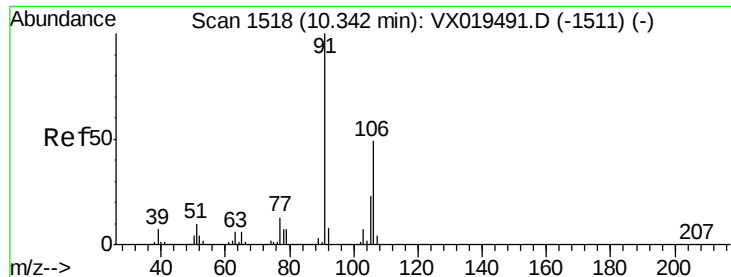
Tot Ion:117 Resp: 413508
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.4
119 32.9 25.6 38.4



#67
Ethyl Benzene
Concen: 5.462 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

Tgt Ion: 91 Resp: 81346
Ion Ratio Lower Upper
91 100
106 30.5 24.0 36.0

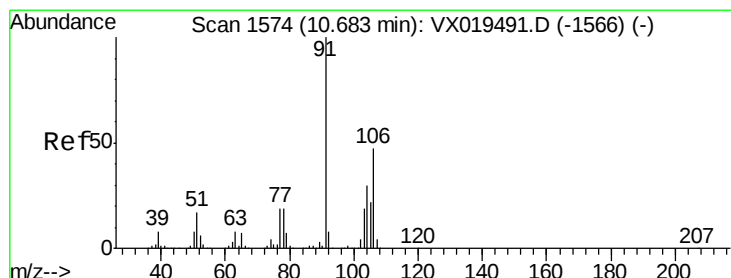
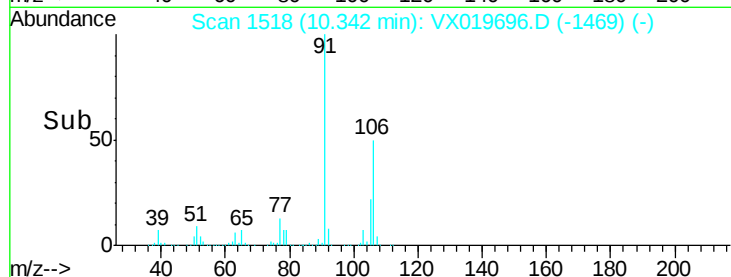
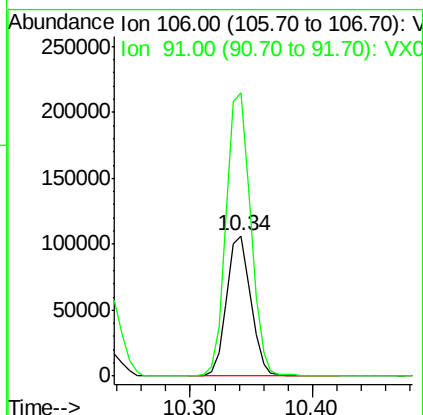
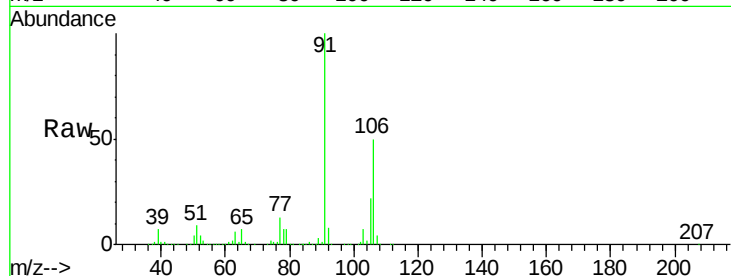




#68
m/p-Xylenes
Concen: 26.179 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

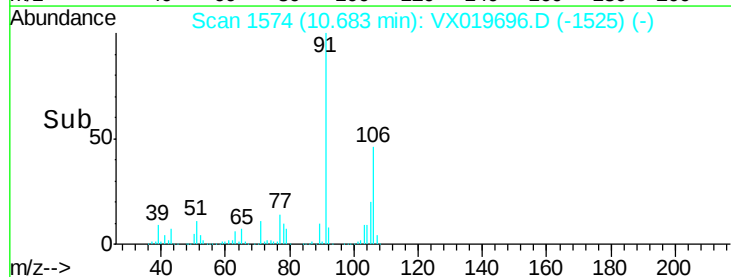
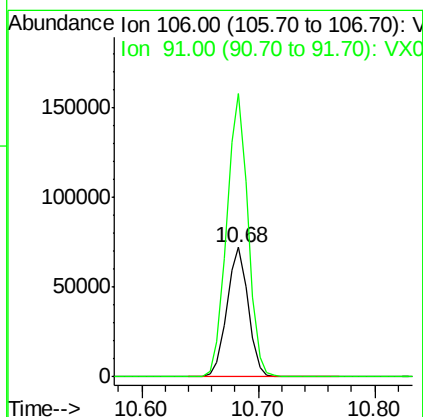
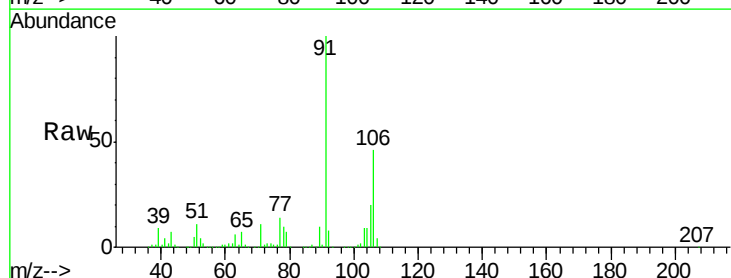
Instrument :
MSVOA_X
ClientSampleId :
COMP-03-04-05

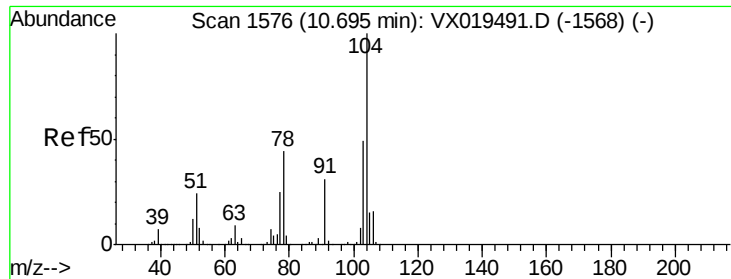
Tot Ion:106 Resp: 145266
Ion Ratio Lower Upper
106 100
91 204.4 163.3 244.9



#69
o-Xylene
Concen: 17.274 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

Tgt Ion:106 Resp: 91630
Ion Ratio Lower Upper
106 100
91 219.2 108.0 324.0

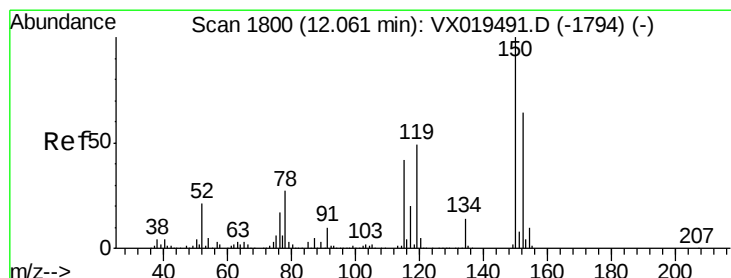
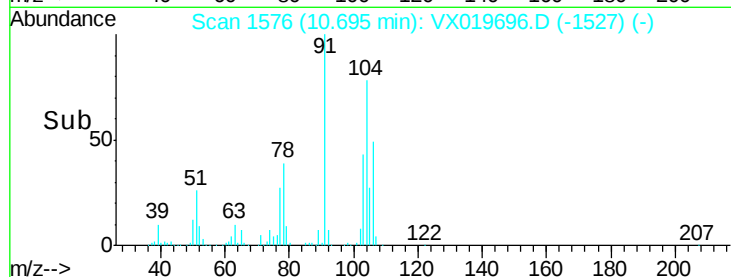
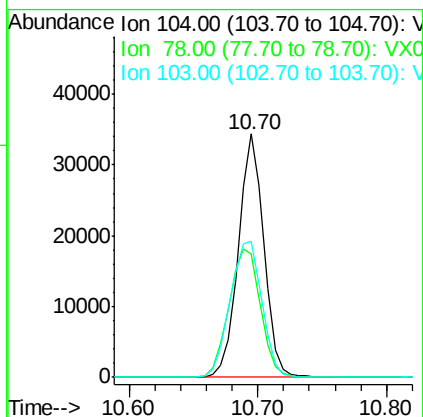
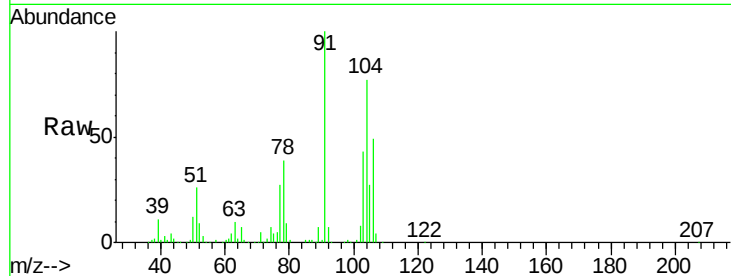




#70
Stvrene
Concen: 6.270 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

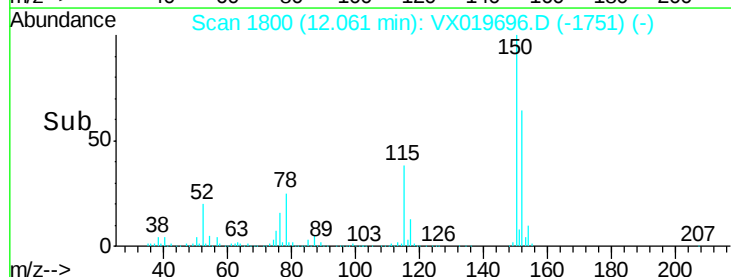
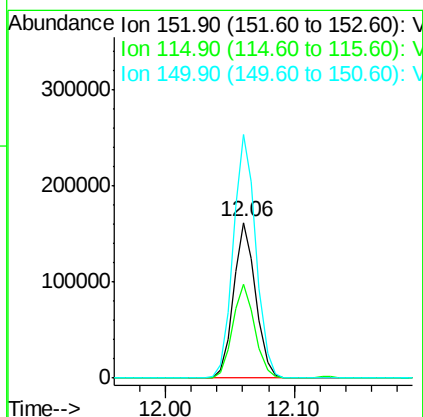
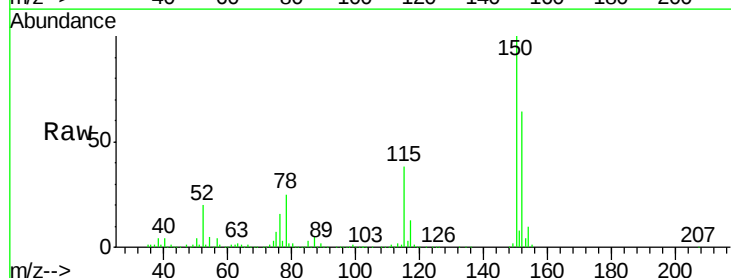
Instrument :
MSVOA_X
ClientSampleId :
COMP-03-04-05

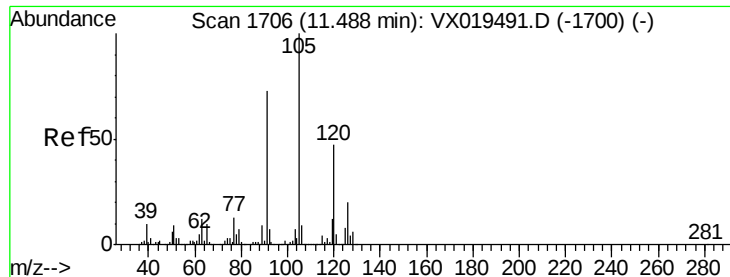
Tot Ion:104 Resp: 46948
Ion Ratio Lower Upper
104 100
78 66.6 39.5 59.3#
103 70.5 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019696.D
Acq: 01 Dec 2020 15:34

Tgt Ion:152 Resp: 193995
Ion Ratio Lower Upper
152 100
115 60.2 41.8 125.4
150 159.5 0.0 348.2

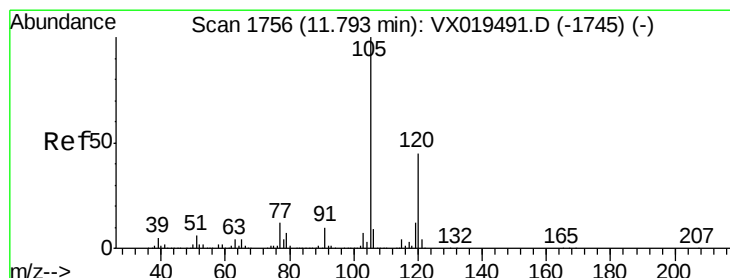
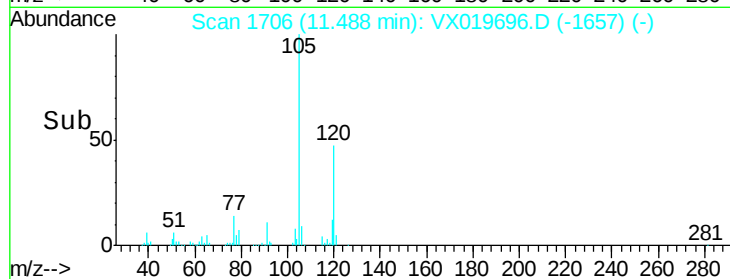
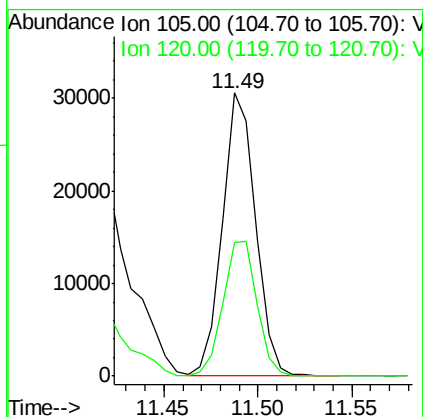
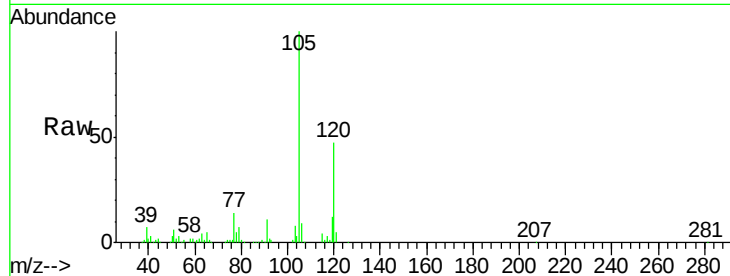




#80
 1,3,5-Trimethylbenzene
 Concen: 3.308 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019696.D
 Acq: 01 Dec 2020 15:34

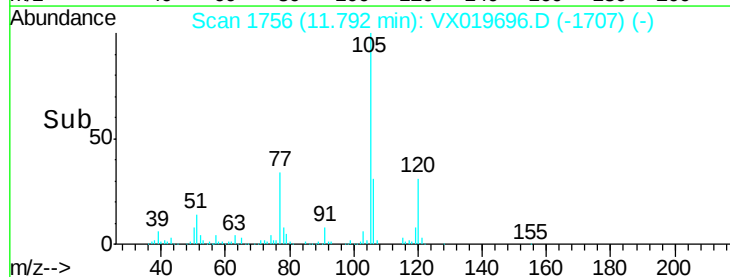
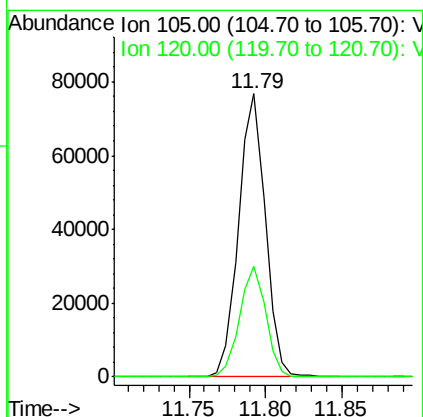
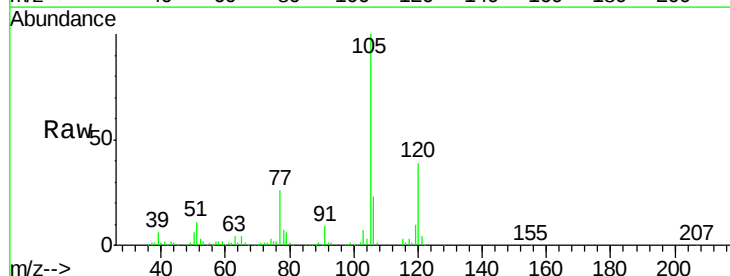
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-03-04-05

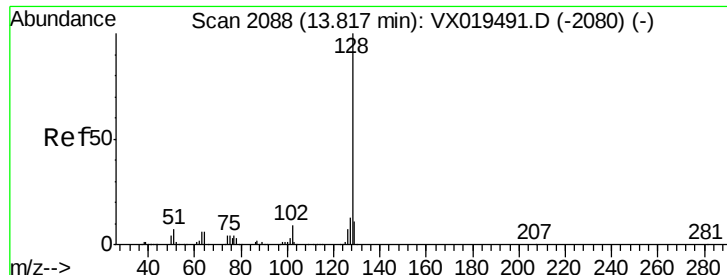
Tot Ion:105 Resp: 37238
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 8.179 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019696.D
 Acq: 01 Dec 2020 15:34

Tgt Ion:105 Resp: 93167
 Ion Ratio Lower Upper
 105 100
 120 38.0 22.2 66.6





#95

Naphthalene

Concen: 476.342 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019696.D

Acq: 01 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

COMP-03-04-05

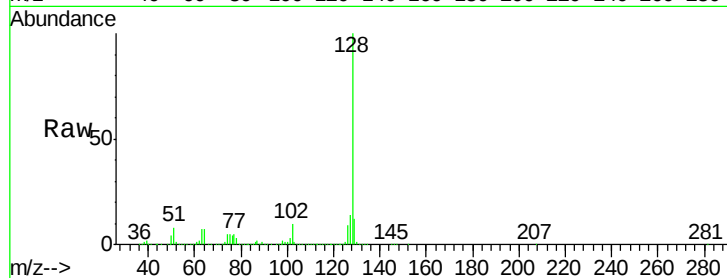
Tot Ion:128 Resp: 7093914

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 11.7 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

