

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051420\
 Data File : VX016226.D
 Acq On : 14 May 2020 13:22
 Operator : JC/SP
 Sample : L2596-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E-1U

Quant Time: May 15 09:16:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	253987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	427084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	423840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	159360	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	5.46	113	127793	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
50) Toluene-d8	8.70	98	528544	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.12	95	214231	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	

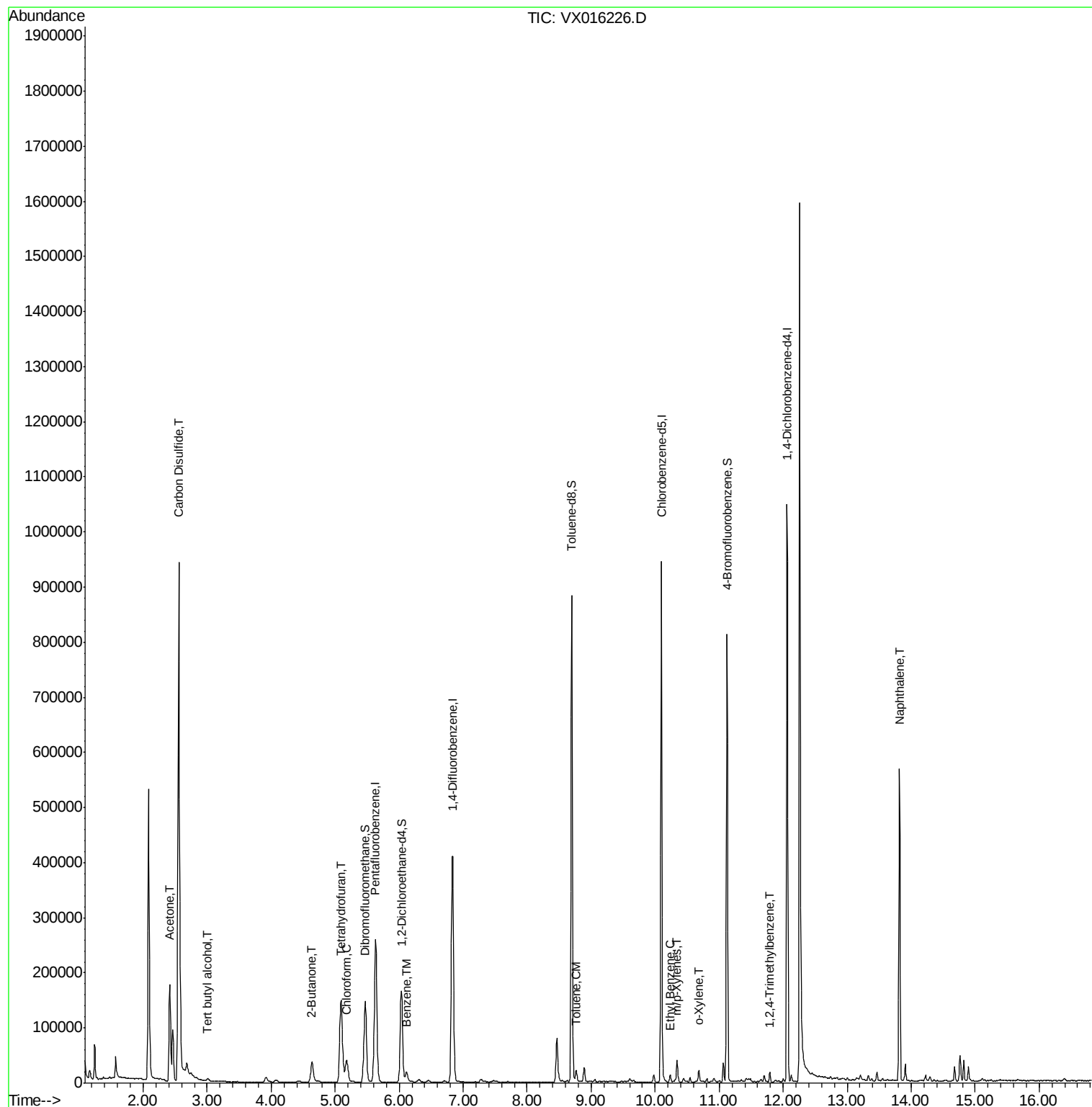
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	4460	5.277	ug/l	96
16) Acetone	2.42	43	180112	120.778	ug/l	96
17) Carbon Disulfide	2.56	76	1146899	145.045	ug/l	99
25) 2-Butanone	4.64	43	57600	23.970	ug/l	96
29) Tetrahydrofuran	5.09	42	136093	85.472	ug/l	99
30) Chloroform	5.18	83	47801	9.397	ug/l	99
40) Benzene	6.12	78	22256	1.809	ug/l	98
52) Toluene	8.77	92	6718	0.876	ug/l	96
67) Ethyl Benzene	10.24	91	6762	0.427	ug/l	99
68) m/p-Xylenes	10.34	106	8662	1.460	ug/l	98
69) o-Xylene	10.68	106	4865	0.853	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	7345	0.549	ug/l	100
95) Naphthalene	13.82	128	331864	19.792	ug/l	99

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

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Quant Time: May 15 09:16:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

Instrument :

MSVOA_X

ClientSampled :

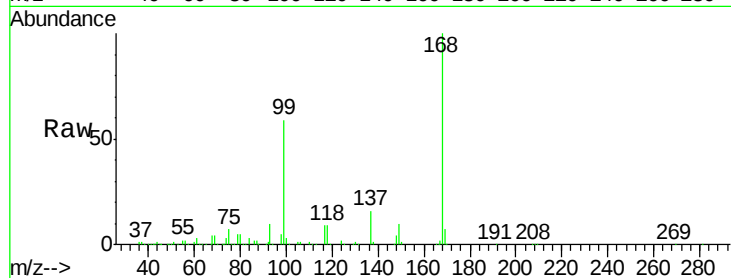
E-1U

Tot Ion:168 Resp: 253987

Ion Ratio Lower Upper

168 100

99 59.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

40000

20000

0

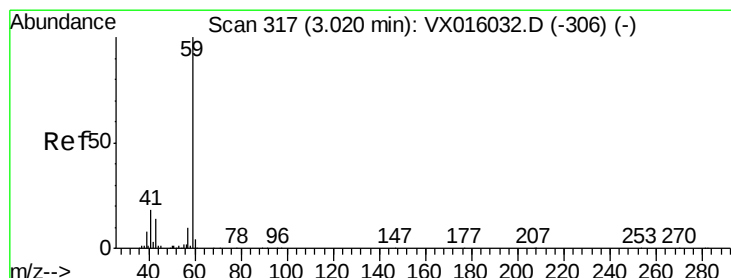
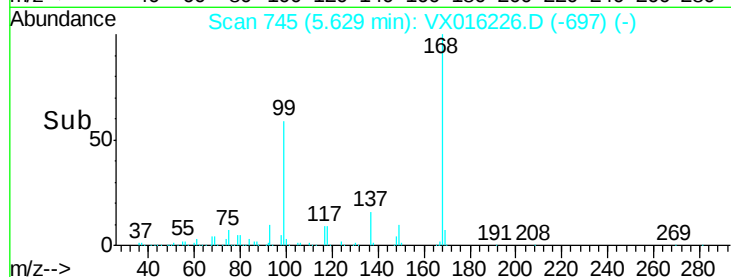
5.50

5.60

5.70

5.80

Time-->



#11

Tert butyl alcohol

Concen: 5.277 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016226.D

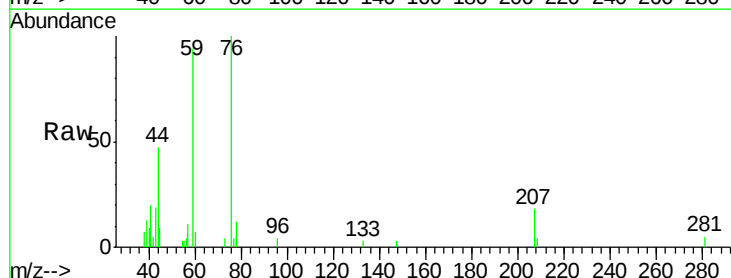
Acq: 14 May 2020 13:22

Tgt Ion: 59 Resp: 4460

Ion Ratio Lower Upper

59 100

57 11.7 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

2000

1500

1000

500

0

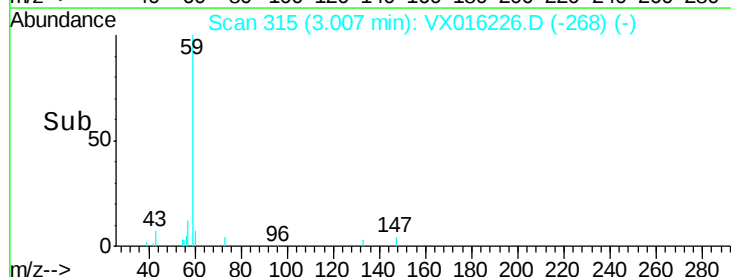
2.95

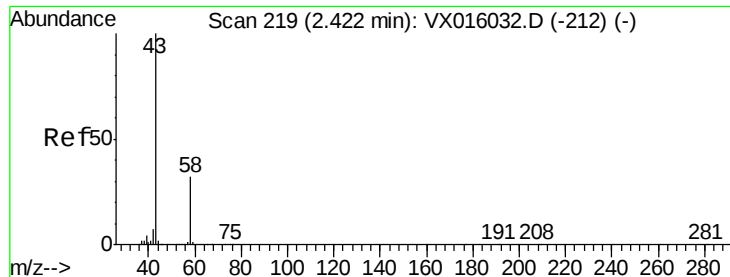
3.00

3.05

3.10

Time-->





#16

Acetone

Concen: 120.778 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

Instrument :

MSVOA_X

ClientSampled :

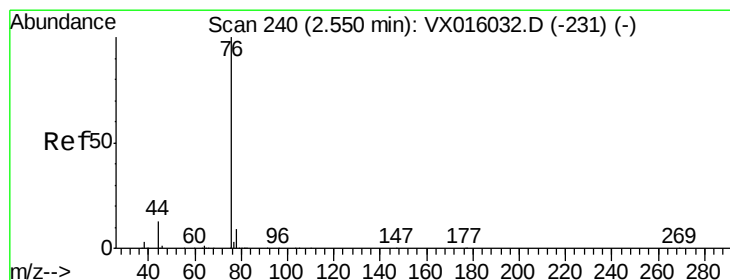
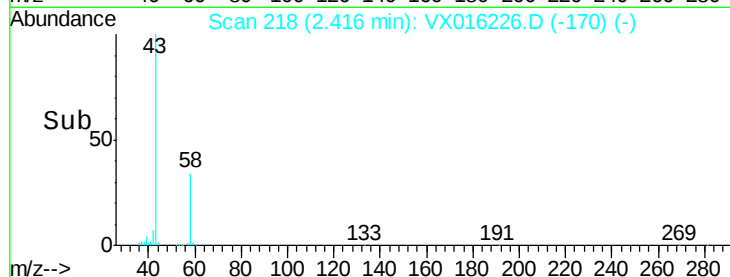
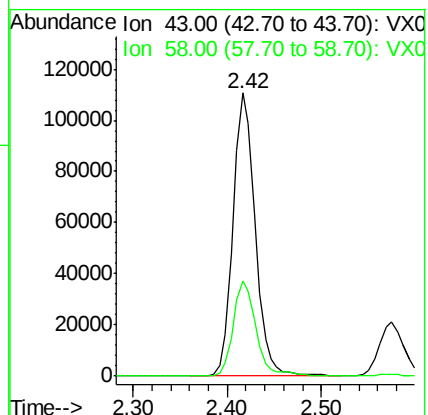
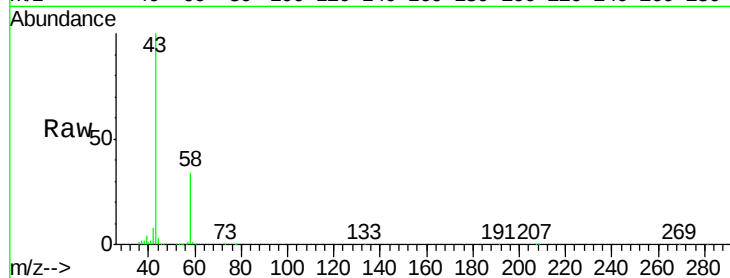
E-1U

Tot Ion: 43 Resp: 180112

Ion Ratio Lower Upper

43 100

58 33.8 25.4 38.0



#17

Carbon Disulfide

Concen: 145.045 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016226.D

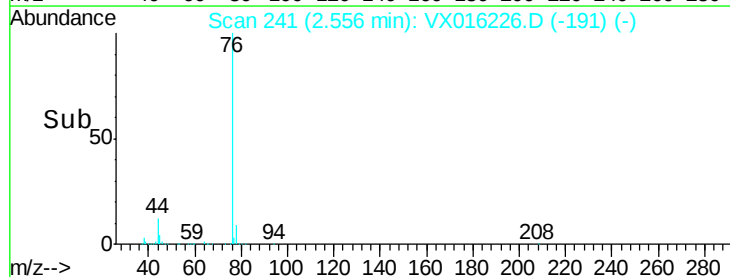
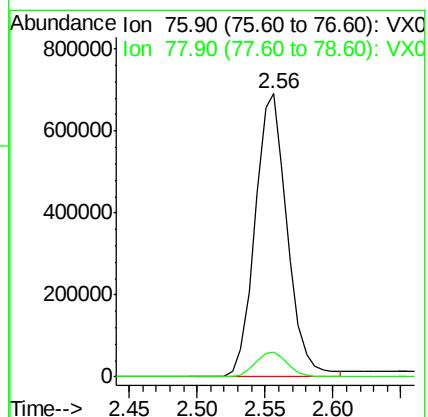
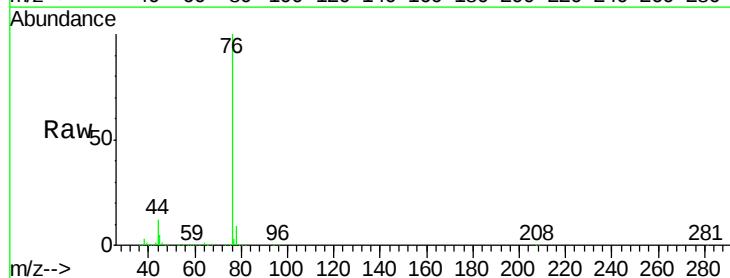
Acq: 14 May 2020 13:22

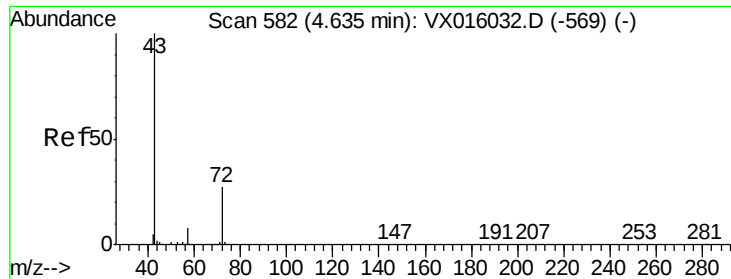
Tgt Ion: 76 Resp: 1146899

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#25

2-Butanone

Concen: 23.970 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

Instrument :

MSVOA_X

ClientSampled :

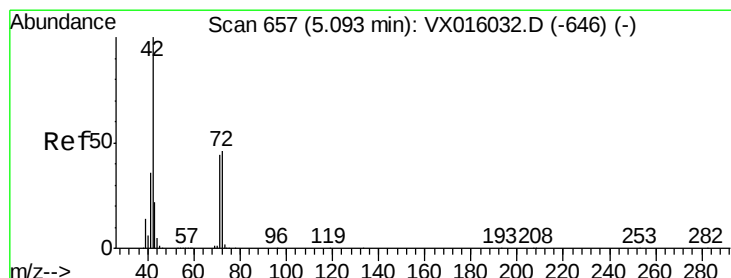
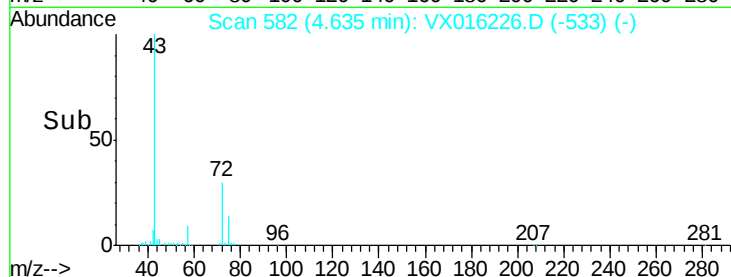
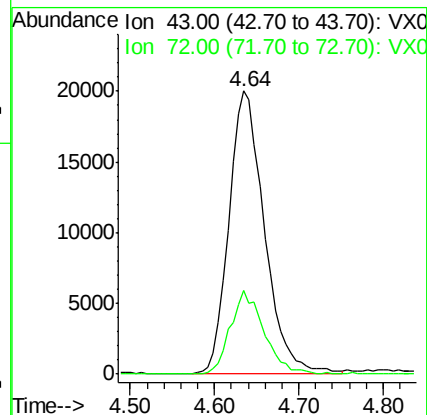
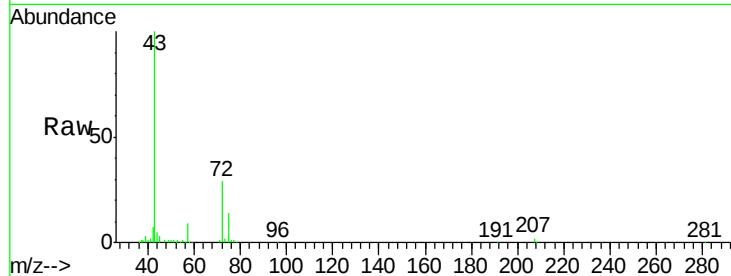
E-1U

Tot Ion: 43 Resp: 57600

Ion Ratio Lower Upper

43 100

72 29.4 21.8 32.8



#29

Tetrahydrofuran

Concen: 85.472 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

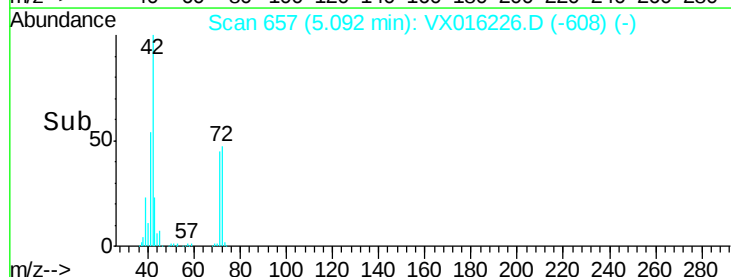
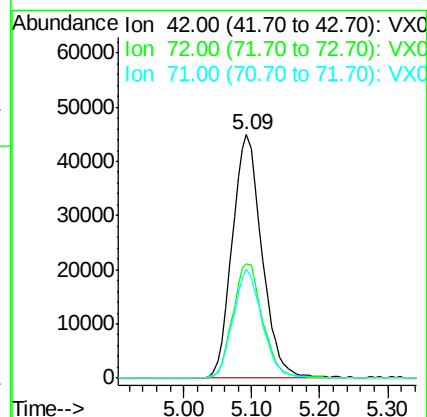
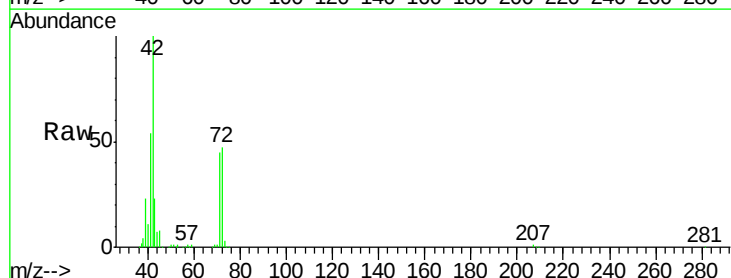
Tgt Ion: 42 Resp: 136093

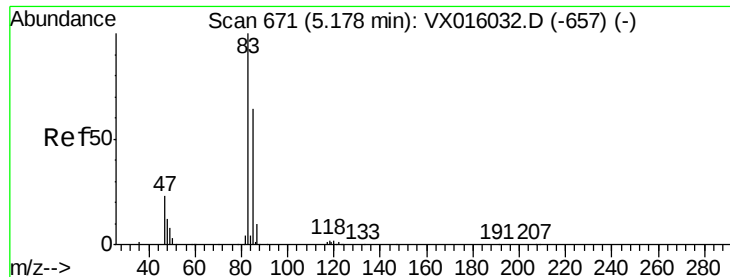
Ion Ratio Lower Upper

42 100

72 47.4 37.1 55.7

71 43.4 34.5 51.7

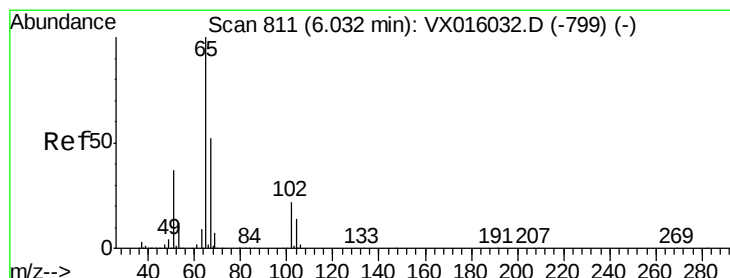
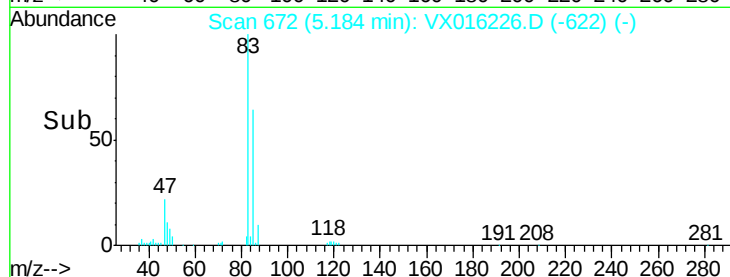
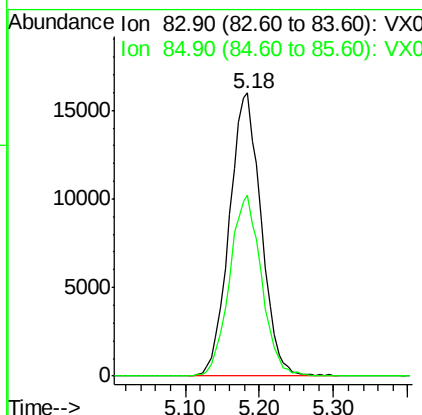
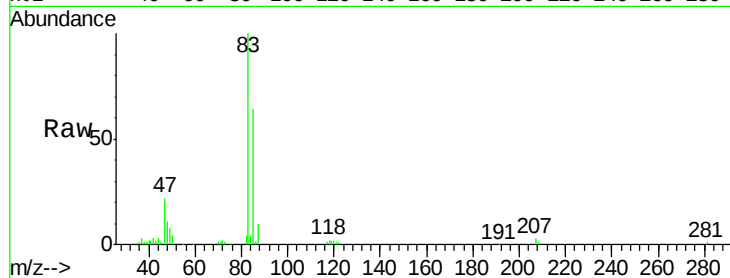




#30
Chloroform
Concen: 9.397 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016226.D
Acq: 14 May 2020 13:22

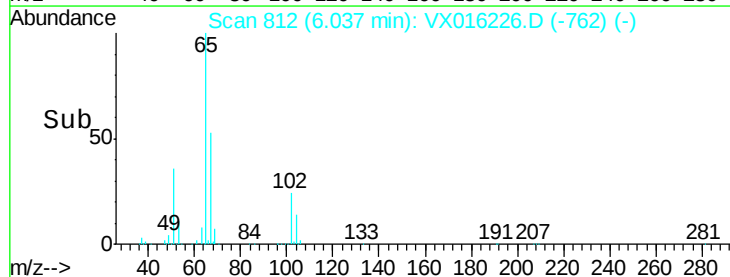
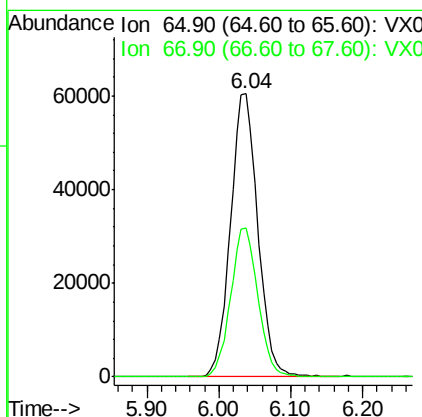
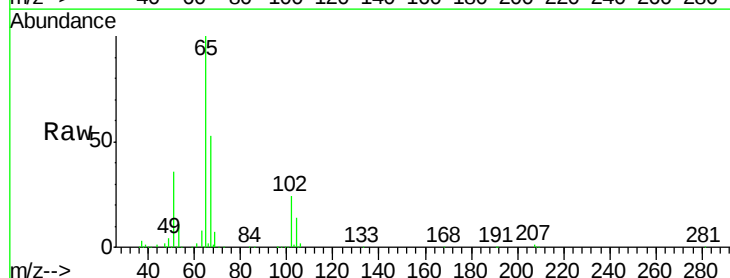
Instrument :
MSVOA_X
ClientSampleId :
E-1U

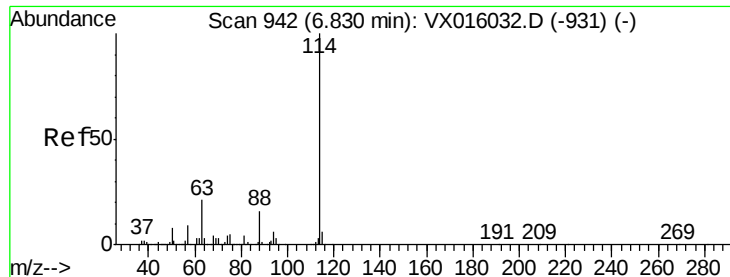
Tot Ion: 83 Resp: 47801
Ion Ratio Lower Upper
83 100
85 63.9 51.6 77.4



#33
1,2-Dichloroethane-d4
Concen: 47.681 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016226.D
Acq: 14 May 2020 13:22

Tgt Ion: 65 Resp: 159360
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

E-1U

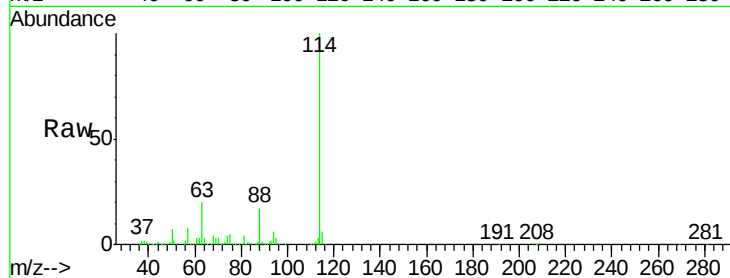
Tot Ion:114 Resp: 427084

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

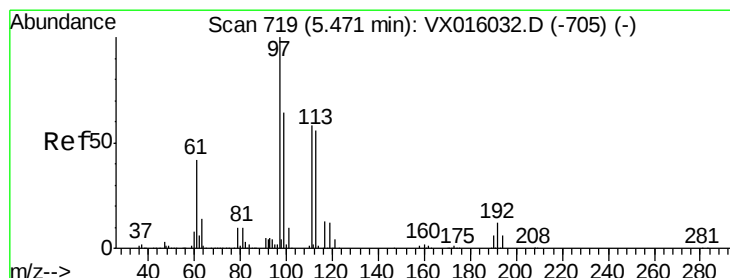
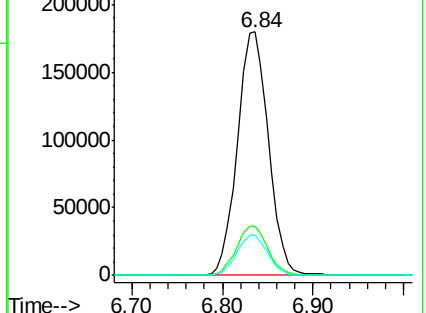
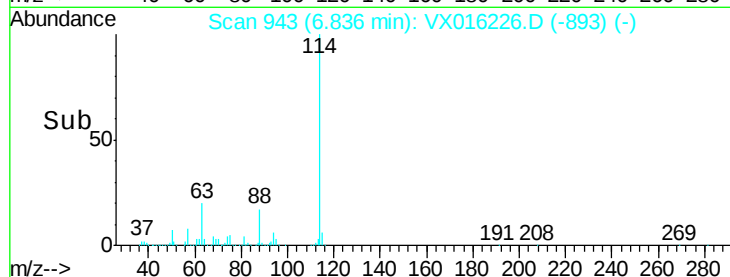
88 16.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.230 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

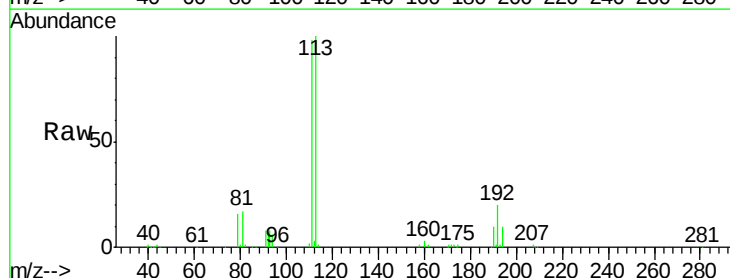
Tgt Ion:113 Resp: 127793

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

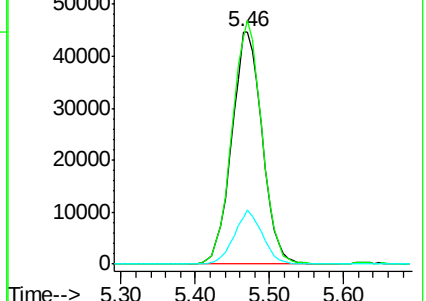
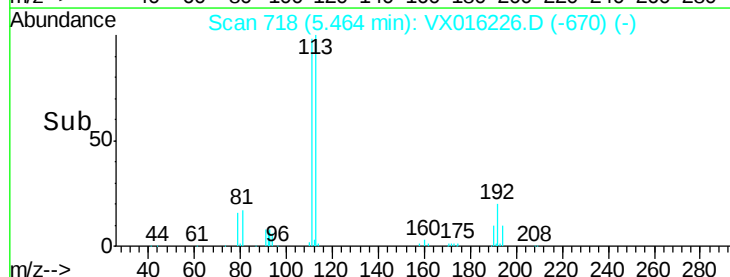
192 21.6 17.0 25.4

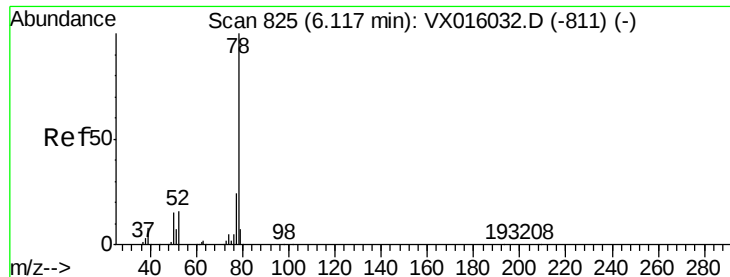


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.809 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

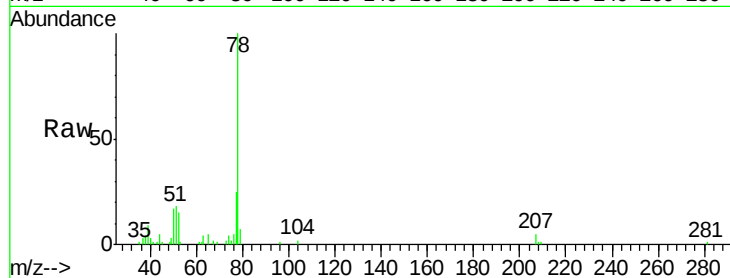
E-1U

Tot Ion: 78 Resp: 22256

Ion Ratio Lower Upper

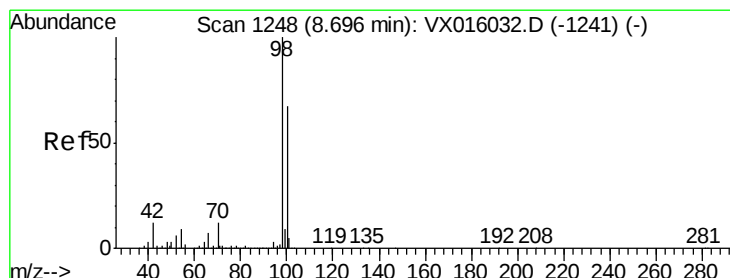
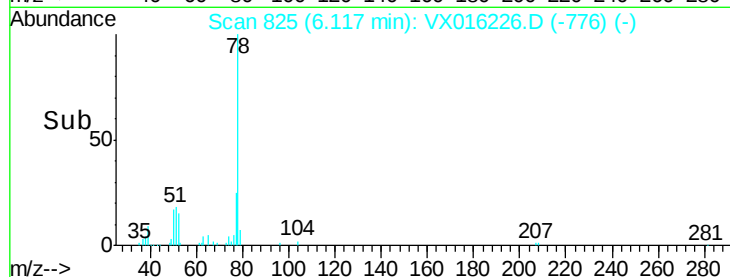
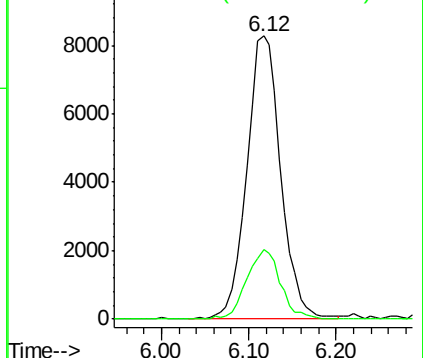
78 100

77 24.8 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.697 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016226.D

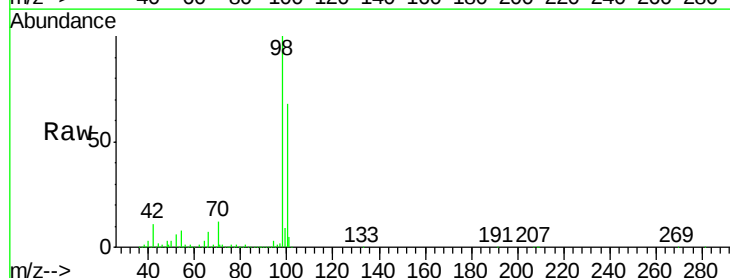
Acq: 14 May 2020 13:22

Tgt Ion: 98 Resp: 528544

Ion Ratio Lower Upper

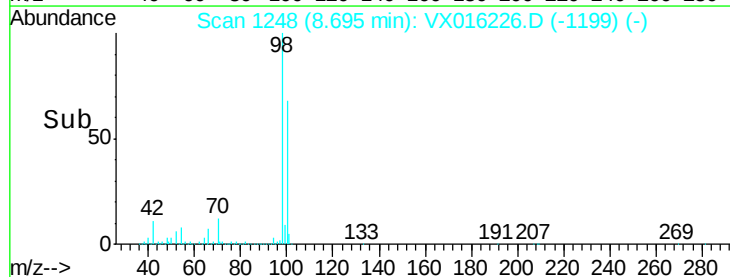
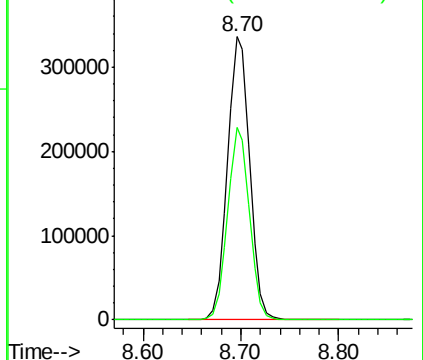
98 100

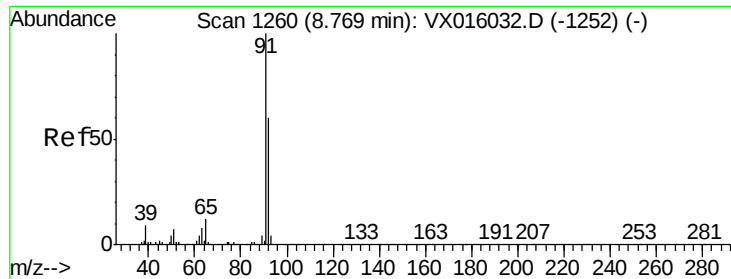
100 66.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.876 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

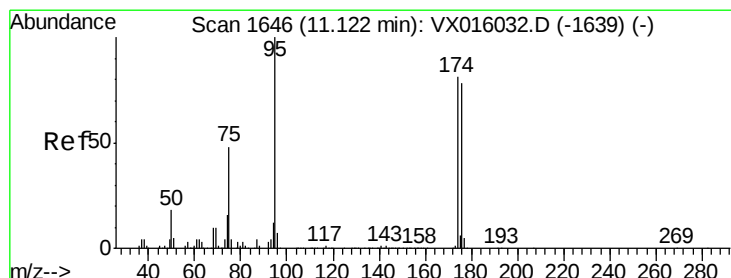
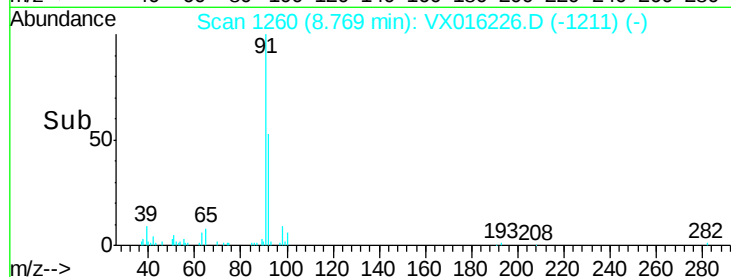
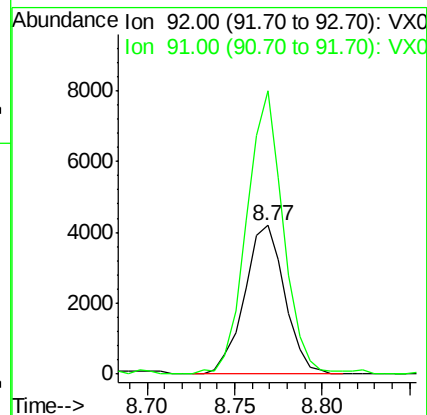
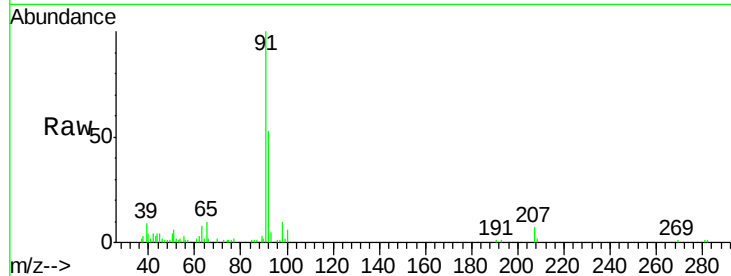
E-1U

Tot Ion: 92 Resp: 6718

Ion Ratio Lower Upper

92 100

91 173.6 134.5 201.7



#62

4-Bromofluorobenzene

Concen: 54.026 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

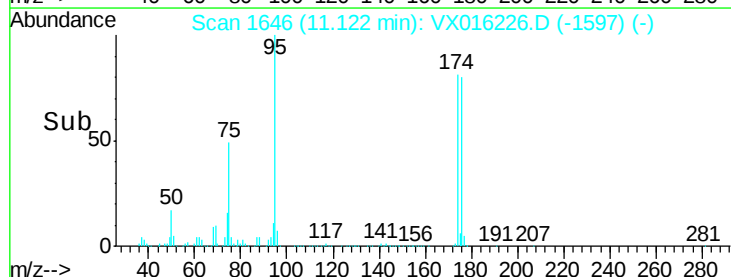
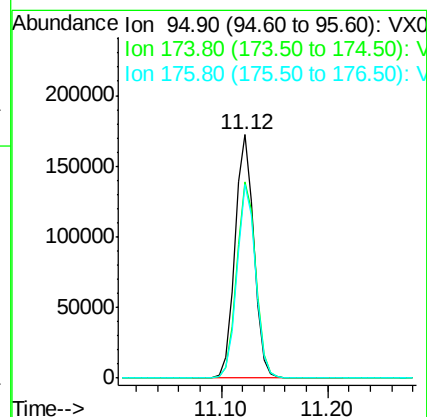
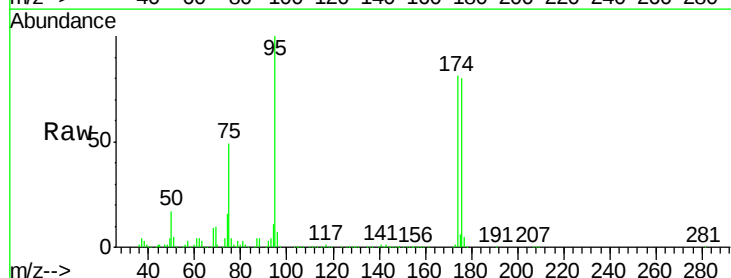
Tgt Ion: 95 Resp: 214231

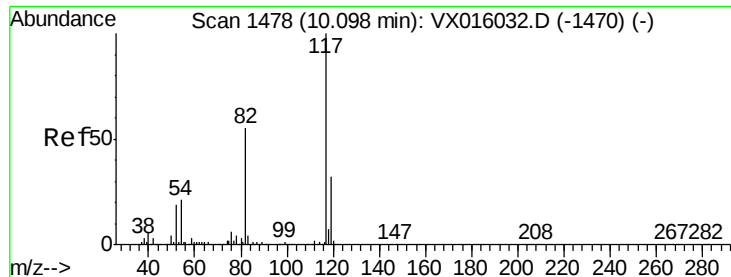
Ion Ratio Lower Upper

95 100

174 81.5 0.0 159.4

176 78.7 0.0 157.6

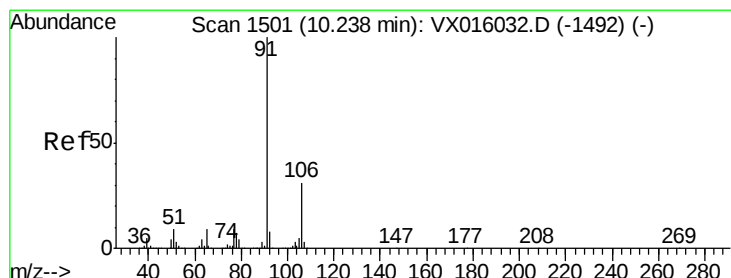
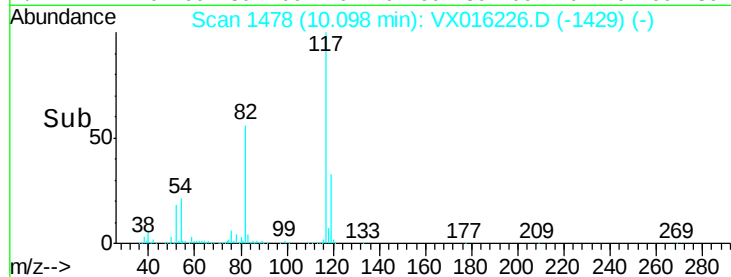
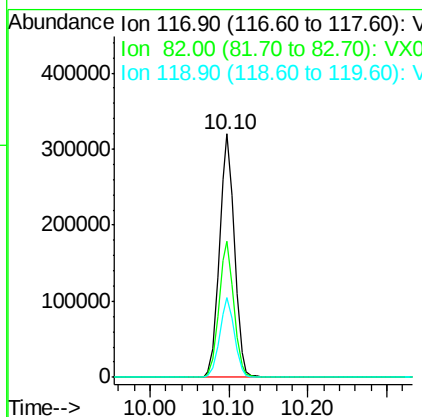
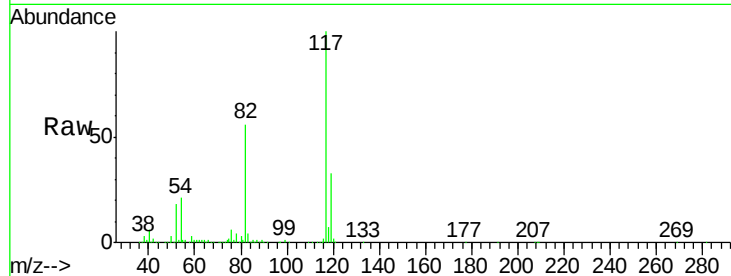




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016226.D
Acq: 14 May 2020 13:22

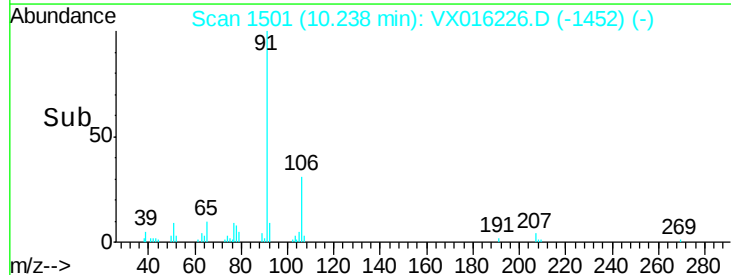
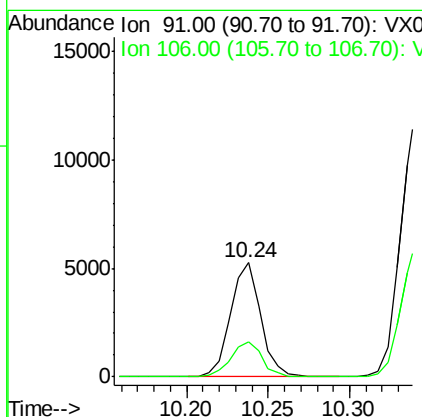
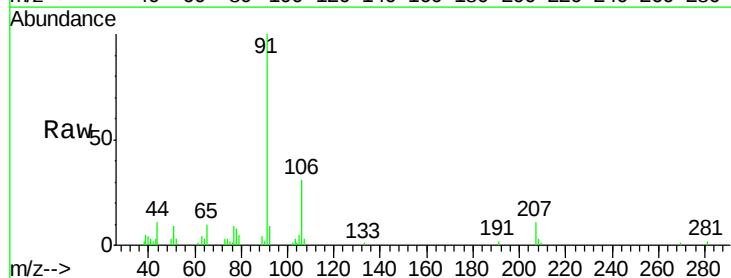
Instrument :
MSVOA_X
ClientSampleId :
E-1U

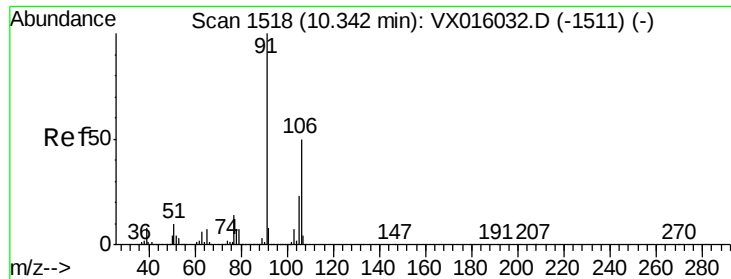
Tot Ion:117 Resp: 423840
Ion Ratio Lower Upper
117 100
82 56.1 44.4 66.6
119 32.7 25.5 38.3



#67
Ethyl Benzene
Concen: 0.427 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016226.D
Acq: 14 May 2020 13:22

Tgt Ion: 91 Resp: 6762
Ion Ratio Lower Upper
91 100
106 30.9 25.1 37.7





#68

m/p-Xylenes

Concen: 1.460 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

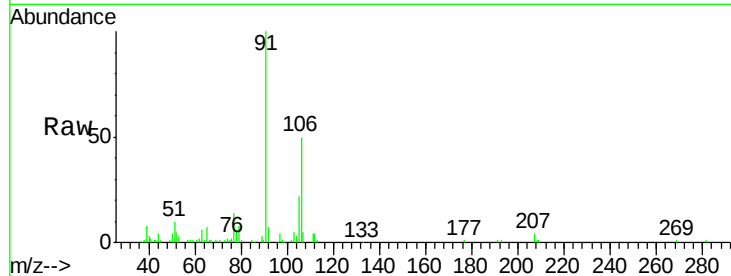
E-1U

Tot Ion:106 Resp: 8662

Ion Ratio Lower Upper

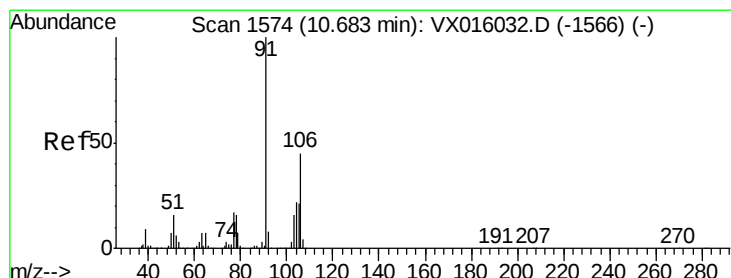
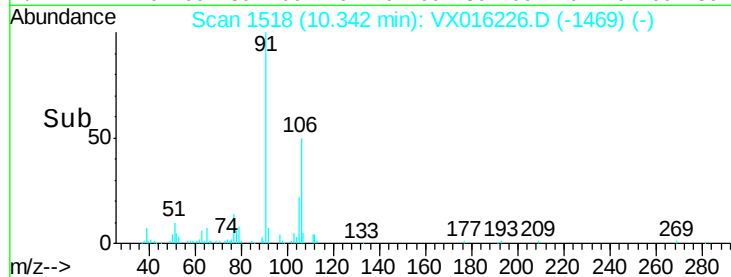
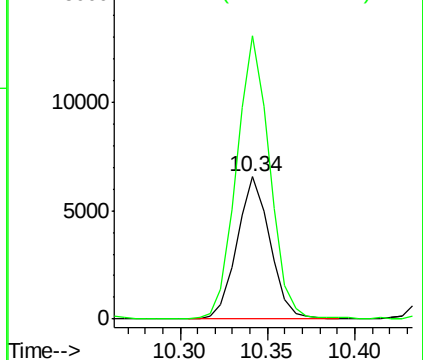
106 100

91 198.8 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.853 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX016226.D

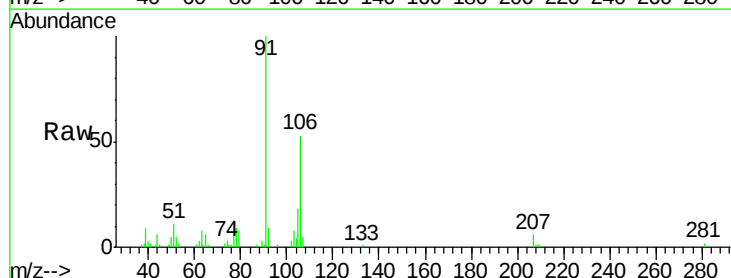
Acq: 14 May 2020 13:22

Tgt Ion:106 Resp: 4865

Ion Ratio Lower Upper

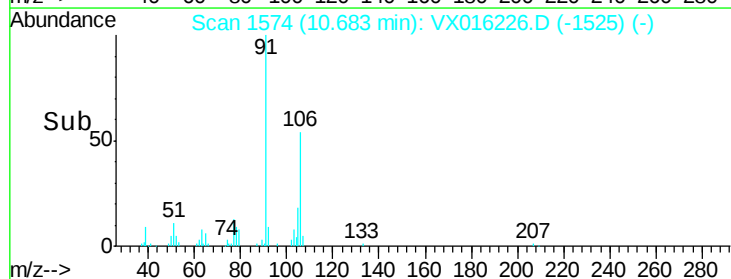
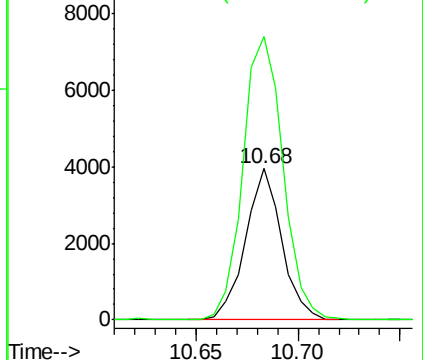
106 100

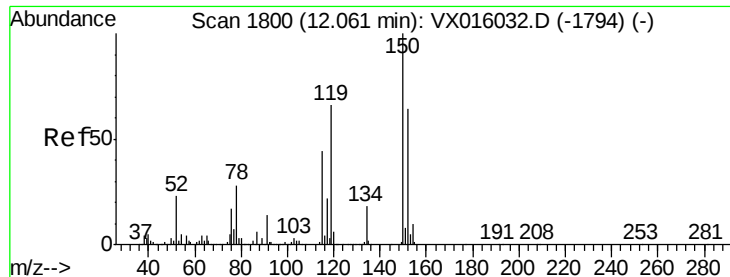
91 207.4 107.5 322.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

E-1U

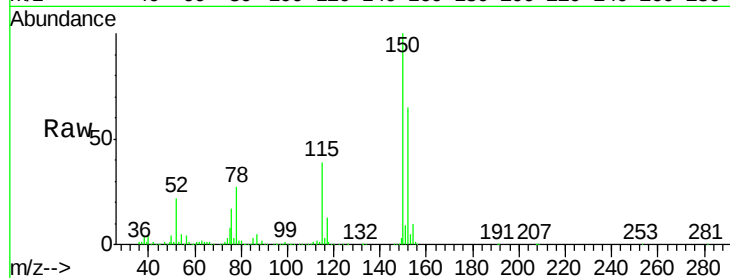
Tot Ion:152 Resp: 215489

Ion Ratio Lower Upper

152 100

115 59.6 41.3 124.1

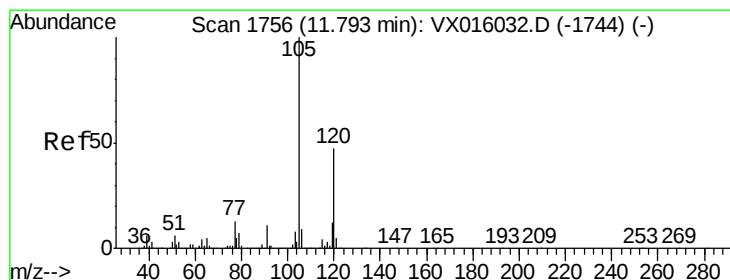
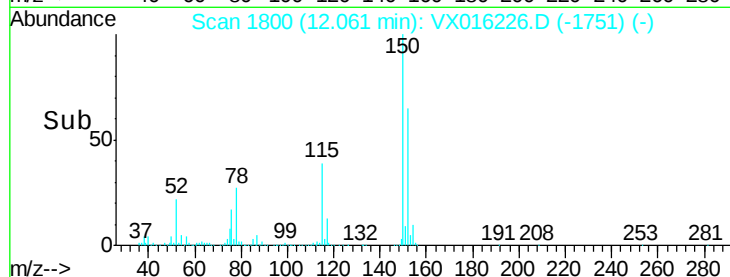
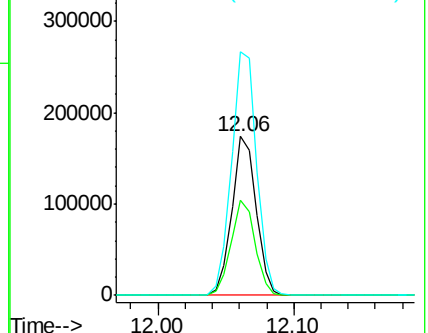
150 158.7 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 0.549 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016226.D

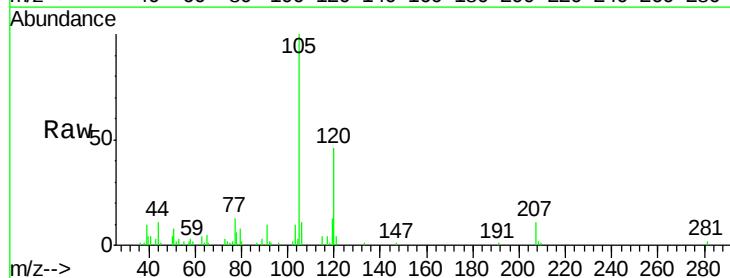
Acq: 14 May 2020 13:22

Tgt Ion:105 Resp: 7345

Ion Ratio Lower Upper

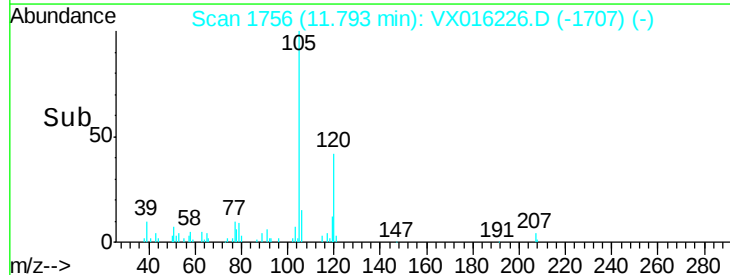
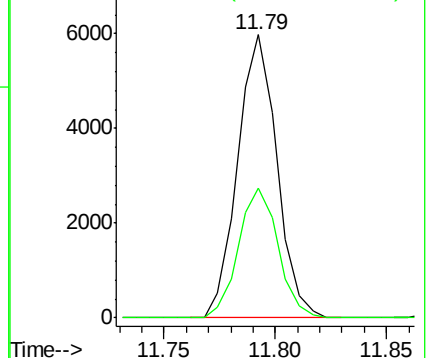
105 100

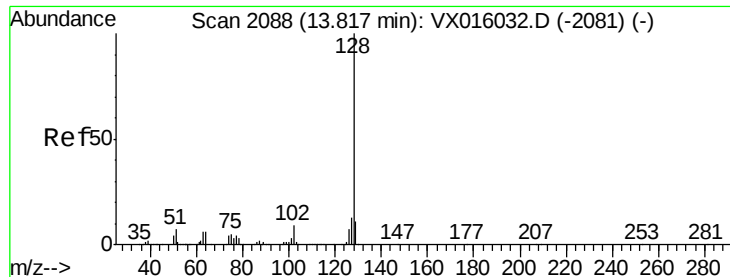
120 46.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 19.792 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016226.D

Acq: 14 May 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

E-1U

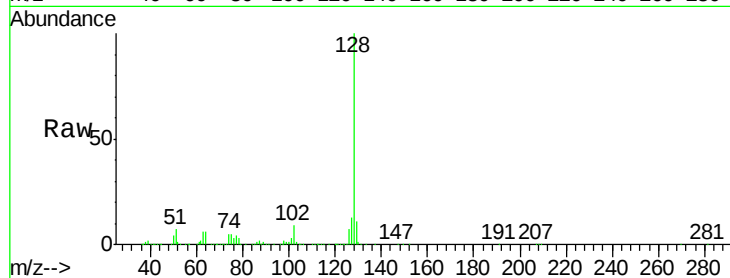
Tot Ion:128 Resp: 331864

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.6 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

