

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016788.D
 Acq On : 16 Jun 2020 18:31
 Operator : JC/SP
 Sample : L2986-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 16-20-COMP

Quant Time: Jun 17 03:58:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	240136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	378950	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	391963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203456	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	138020	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
35) Dibromofluoromethane	5.46	113	117063	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	8.70	98	470842	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
62) 4-Bromofluorobenzene	11.12	95	193846	58.78	ug/l	0.00
Spiked Amount			Recovery	=	117.56%	

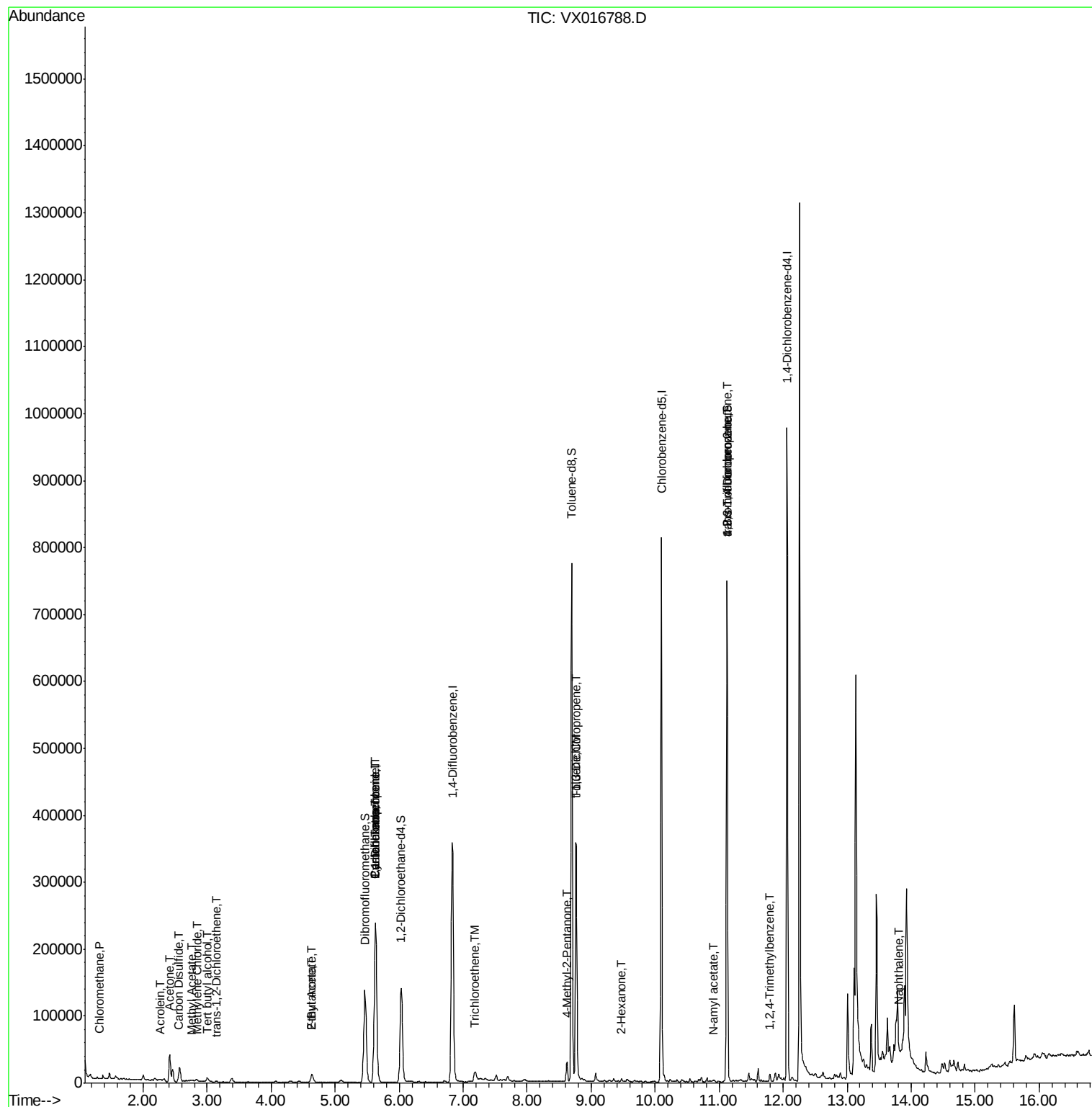
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	534	0.204	ug/l #	52
11) Tert butyl alcohol	3.00	59	7528	11.094	ug/l	96
13) Acrolein	2.28	56	433	3.791	ug/l #	13
16) Acetone	2.42	43	42280	34.508	ug/l	100
17) Carbon Disulfide	2.55	76	7507	1.117	ug/l	98
18) Methyl Acetate	2.75	43	689	0.211	ug/l	96
20) Methylene Chloride	2.84	84	1471	0.557	ug/l	93
21) trans-1,2-Dichloroethene	3.14	96	570	0.226	ug/l #	68
25) 2-Butanone	4.64	43	20616	11.165	ug/l	94
31) Cyclohexane	5.64	56	4068	1.850	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16015	4.782	ug/l #	50
37) Ethyl Acetate	4.64	43	20616	5.621	ug/l #	65
38) Carbon Tetrachloride	5.63	117	22287	5.860	ug/l #	16
44) Trichloroethene	7.19	130	2896	0.918	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	16098	4.545	ug/l	98
52) Toluene	8.77	92	142203	21.471	ug/l	98
53) t-1,3-Dichloropropene	8.76	75	1748	0.407	ug/l #	1
59) 2-Hexanone	9.48	43	2230	0.816	ug/l	98
74) N-amyl acetate	10.92	43	1667	0.321	ug/l #	38
76) 1,2,3-Trichloropropane	11.12	75	92578	21.638	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	92578	54.472	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.79	105	2360	0.208	ug/l	72
95) Naphthalene	13.82	128	3913	0.280	ug/l #	76

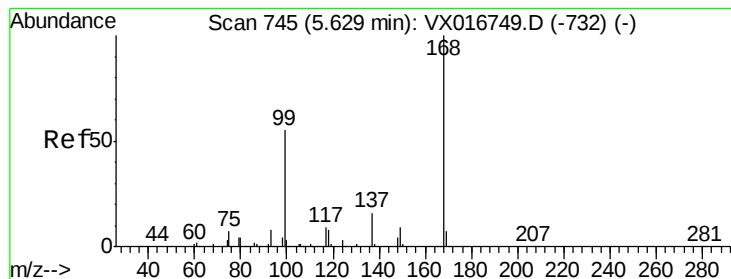
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061620\
Data File : VX016788.D
Acq On : 16 Jun 2020 18:31
Operator : JC/SP
Sample : L2986-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
16-20-COMP

Quant Time: Jun 17 03:58:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 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: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

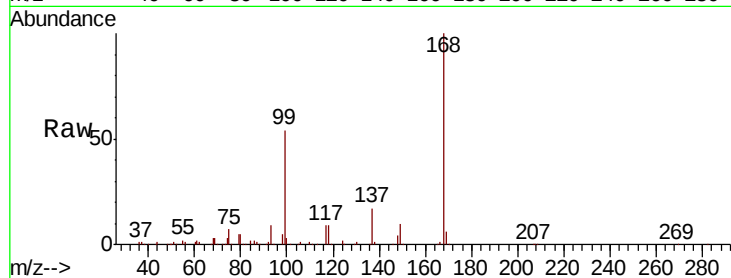
16-20-COMP

Tot Ion:168 Resp: 240136

Ion Ratio Lower Upper

168 100

99 54.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

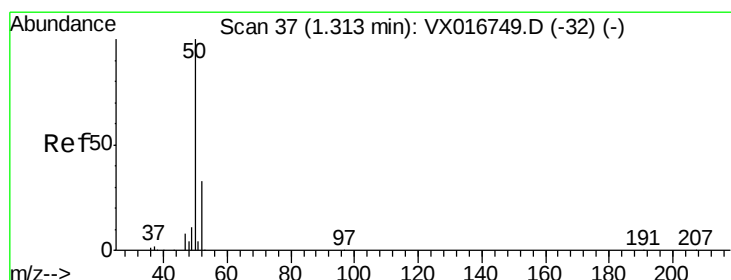
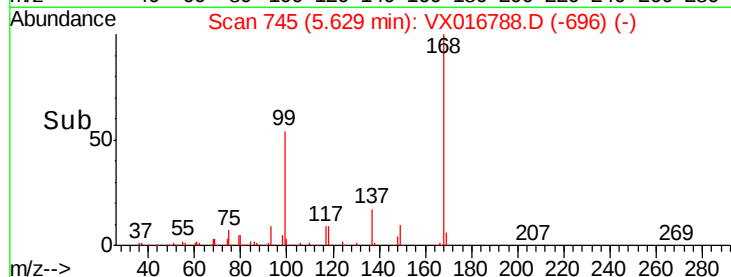
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016788.D

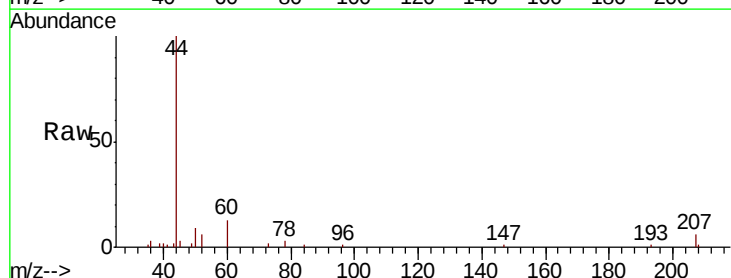
Acq: 16 Jun 2020 18:31

Tgt Ion: 50 Resp: 534

Ion Ratio Lower Upper

50 100

52 60.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

500

400

300

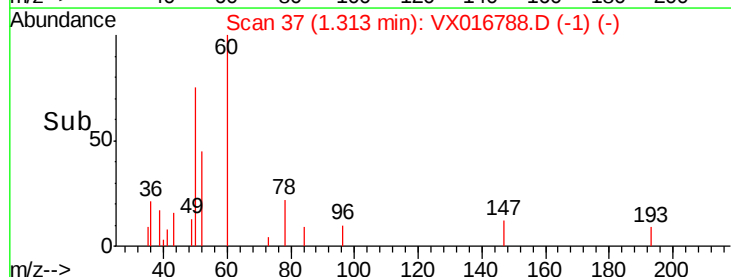
200

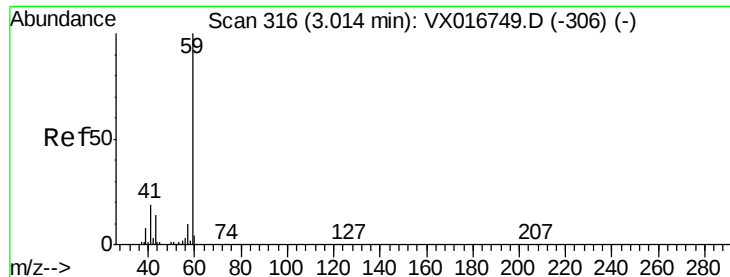
100

0

Time-->

1.30 1.35

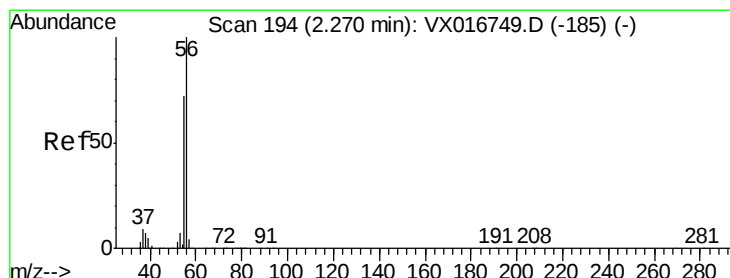
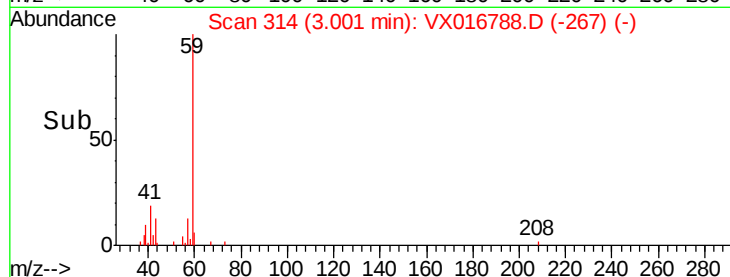
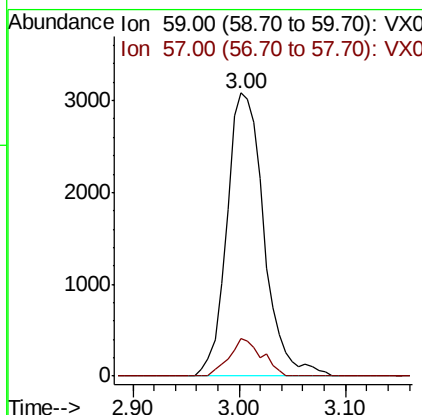
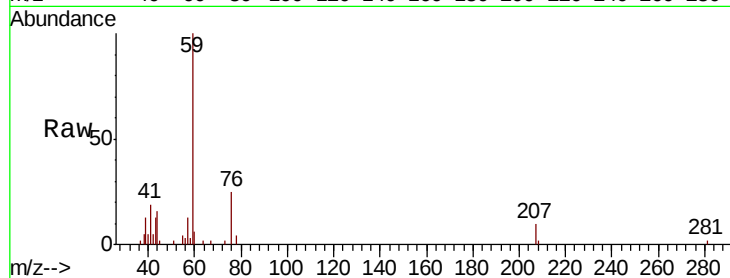




#11
Tert butyl alcohol
Concen: 11.094 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

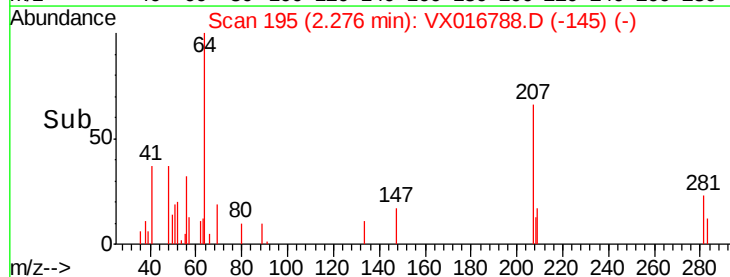
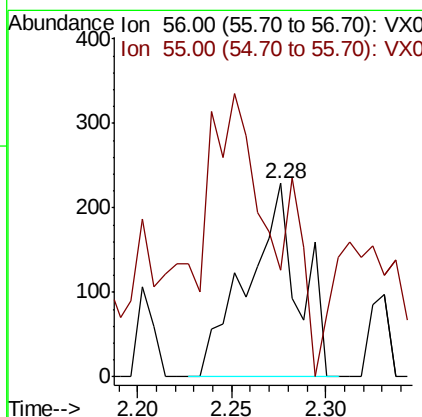
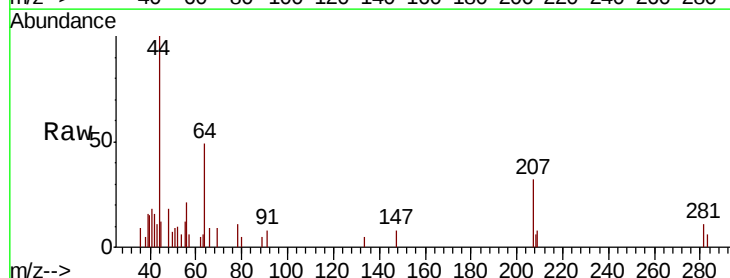
Instrument :
MSVOA_X
ClientSampled :
16-20-COMP

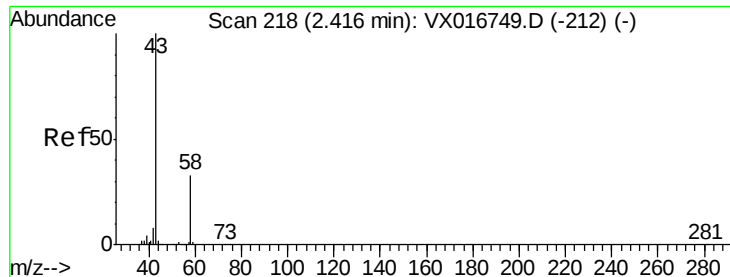
Tot Ion: 59 Resp: 7528
Ion Ratio Lower Upper
59 100
57 11.7 8.2 12.2



#13
Acrolein
Concen: 3.791 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

Tgt Ion: 56 Resp: 433
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#





#16

Acetone

Concen: 34.508 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampled :

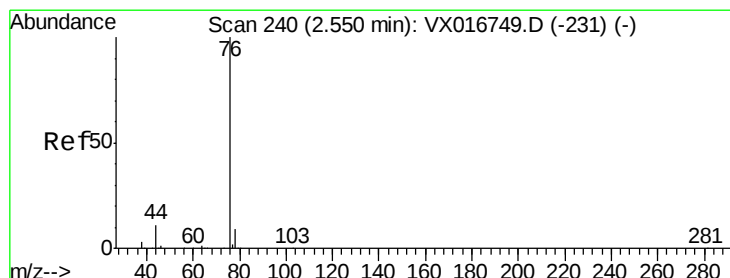
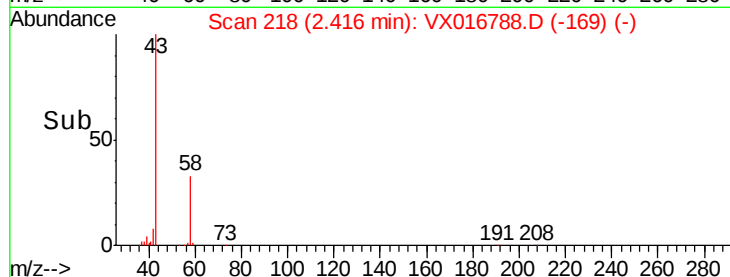
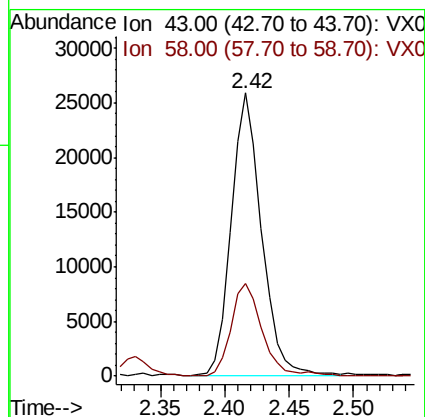
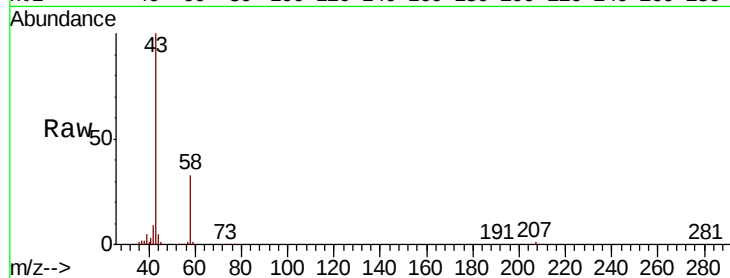
16-20-COMP

Tot Ion: 43 Resp: 42280

Ion Ratio Lower Upper

43 100

58 33.0 26.3 39.5



#17

Carbon Disulfide

Concen: 1.117 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016788.D

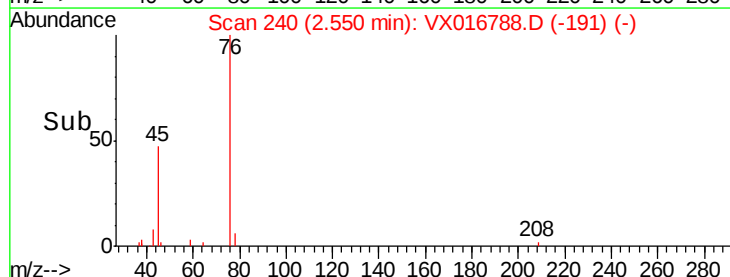
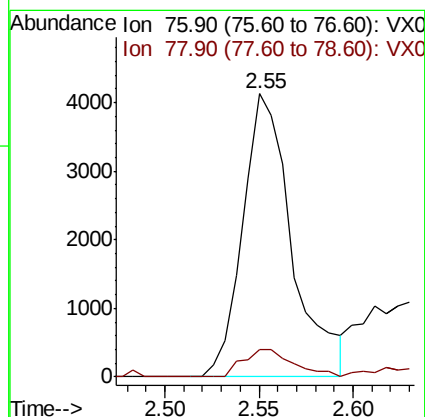
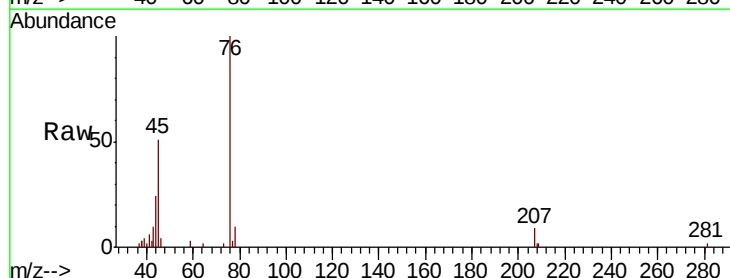
Acq: 16 Jun 2020 18:31

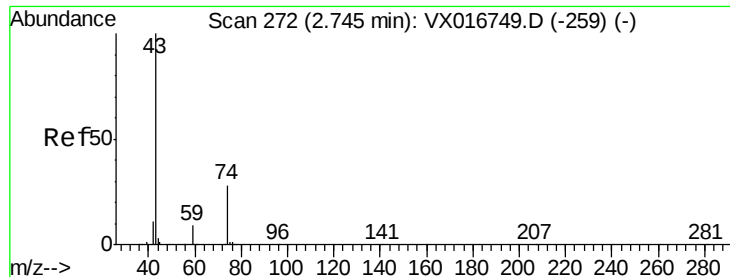
Tgt Ion: 76 Resp: 7507

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9

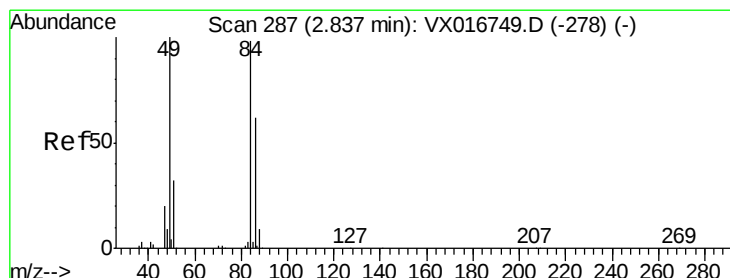
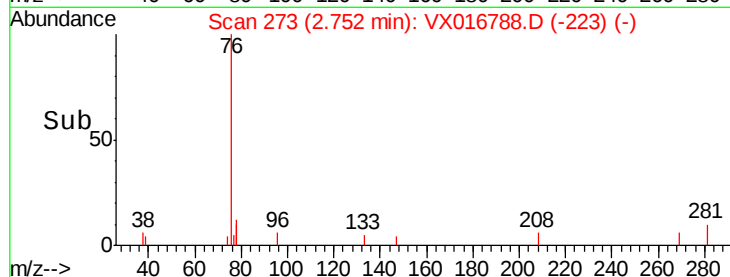
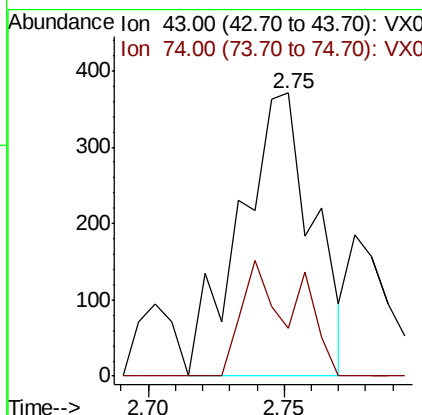
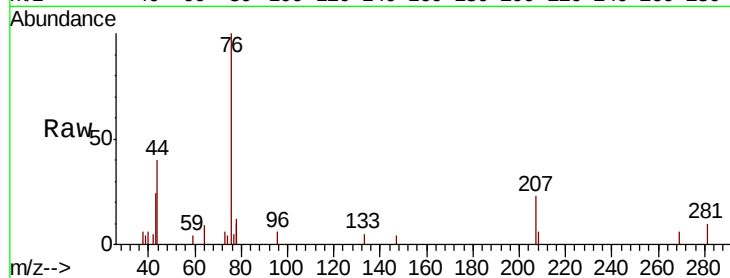




#18
Methyl Acetate
Concen: 0.211 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

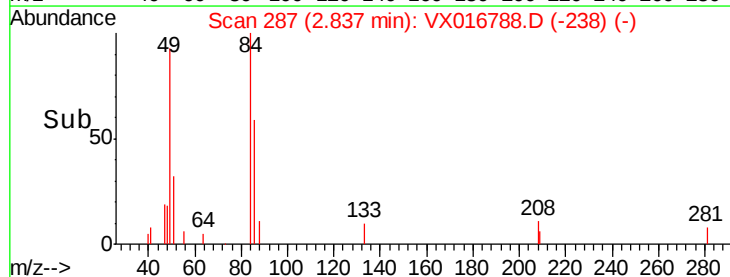
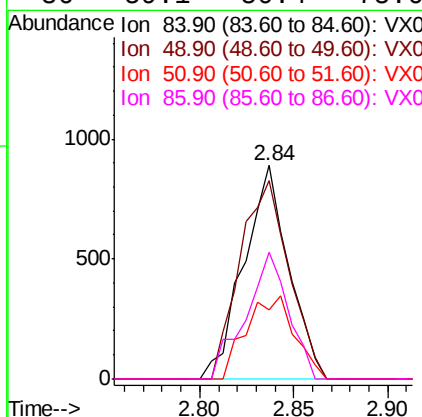
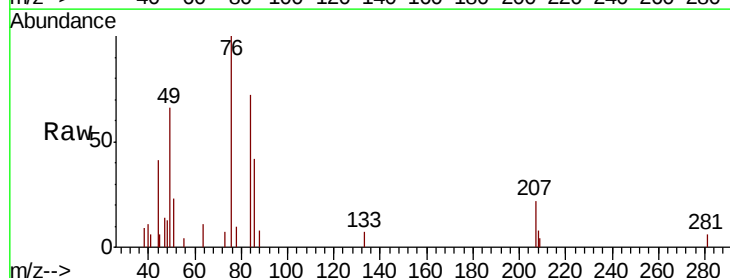
Instrument :
MSVOA_X
ClientSampleId :
16-20-COMP

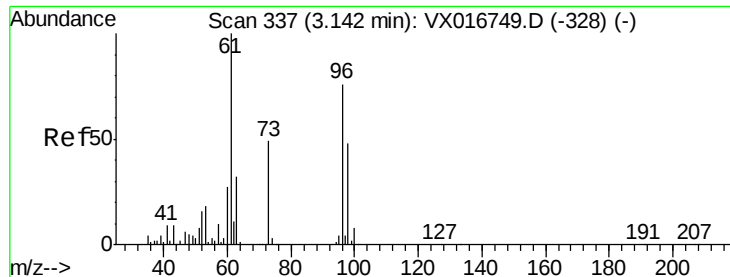
Tot Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
74 30.0 22.4 33.6



#20
Methylene Chloride
Concen: 0.557 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

Tgt Ion: 84 Resp: 1471
Ion Ratio Lower Upper
84 100
49 92.7 81.8 122.8
51 32.5 25.8 38.8
86 59.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 0.226 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

16-20-COMP

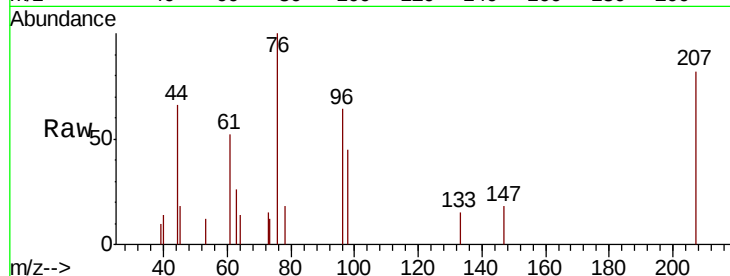
Tot Ion: 96 Resp: 570

Ion Ratio Lower Upper

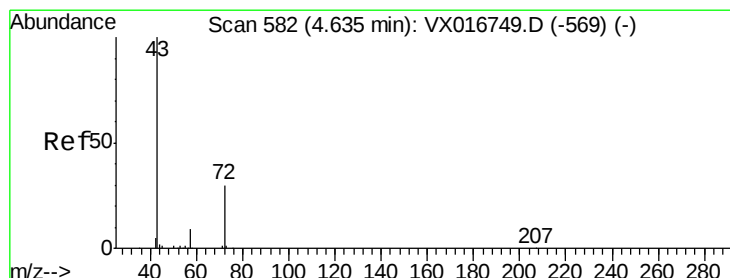
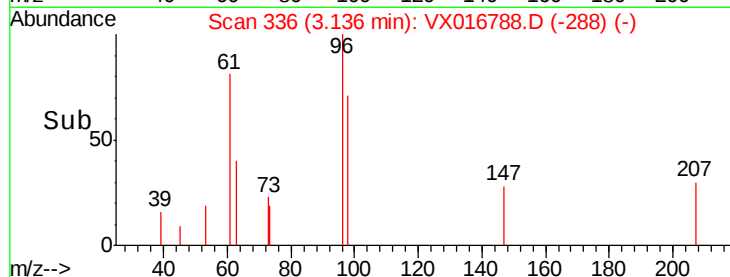
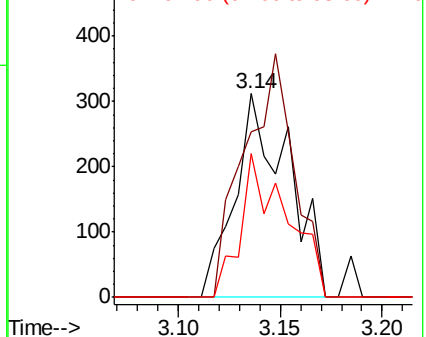
96 100

61 81.4 105.4 158.2#

98 70.8 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 11.165 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016788.D

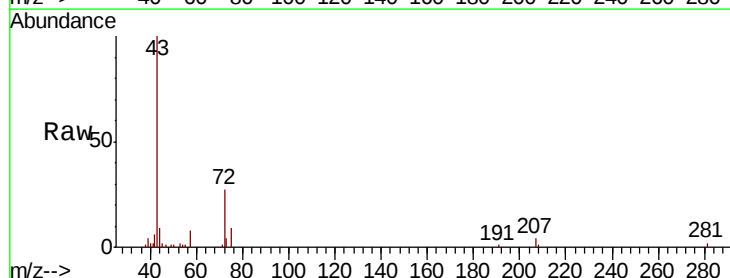
Acq: 16 Jun 2020 18:31

Tgt Ion: 43 Resp: 20616

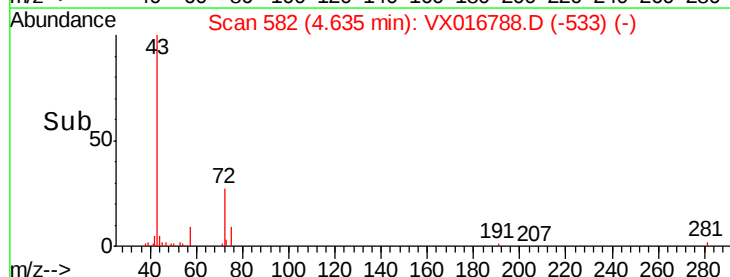
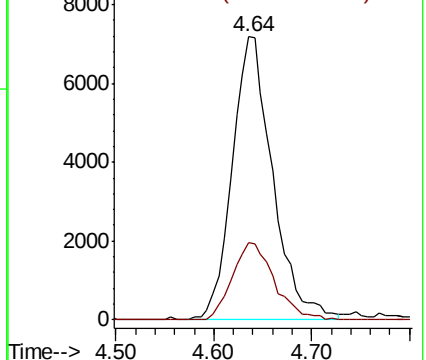
Ion Ratio Lower Upper

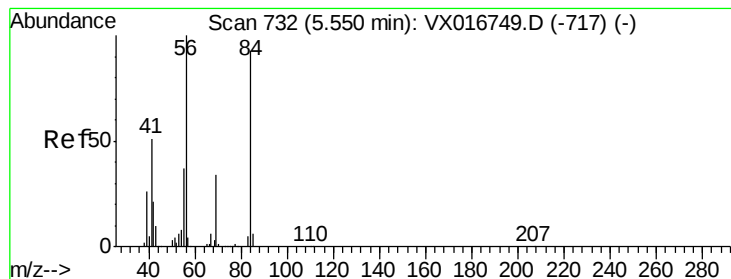
43 100

72 27.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.850 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

16-20-COMP

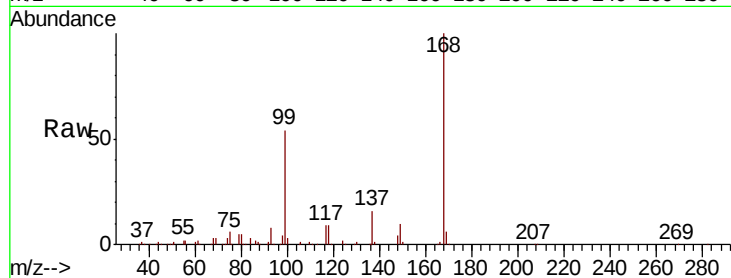
Tot Ion: 56 Resp: 4068

Ion Ratio Lower Upper

56 100

69 181.8 27.1 40.7#

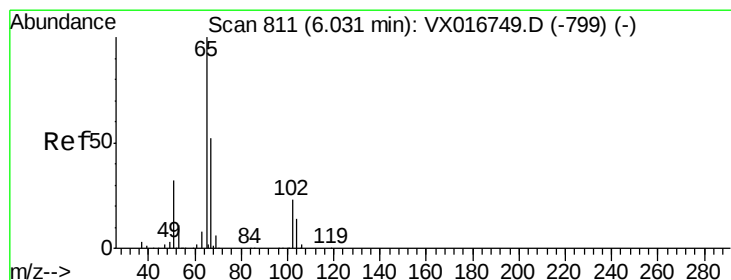
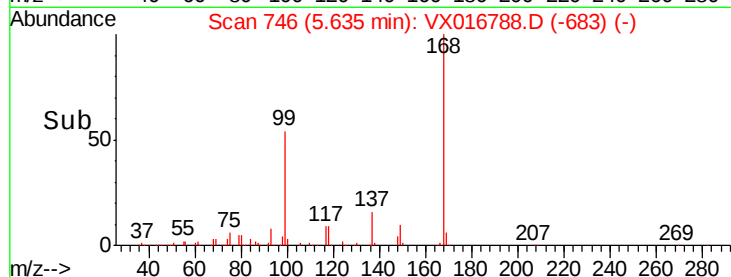
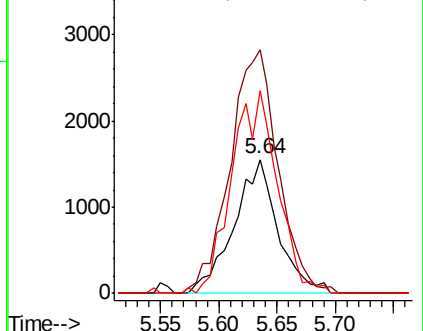
84 151.5 74.0 111.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.099 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016788.D

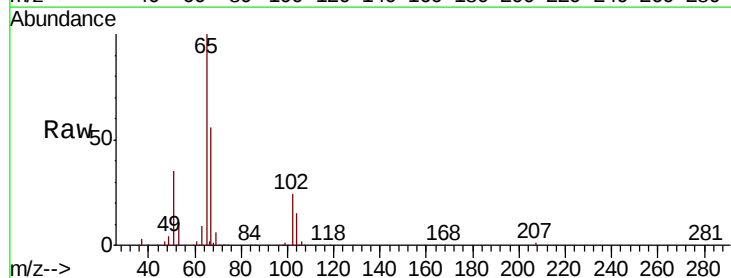
Acq: 16 Jun 2020 18:31

Tgt Ion: 65 Resp: 138020

Ion Ratio Lower Upper

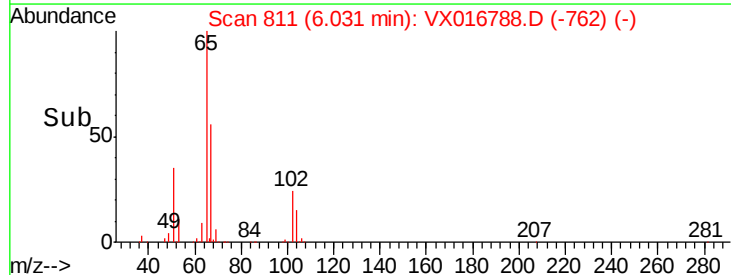
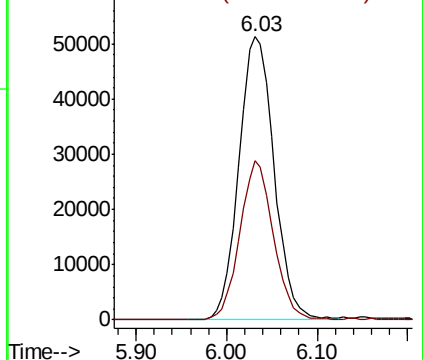
65 100

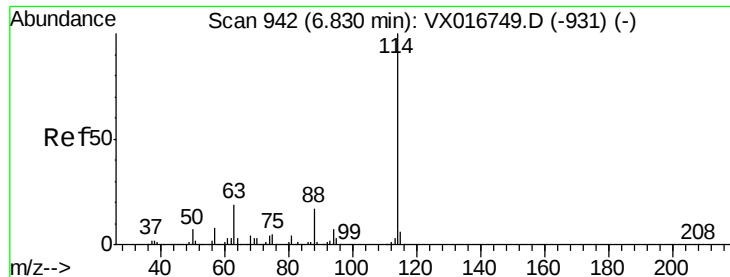
67 53.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

16-20-COMP

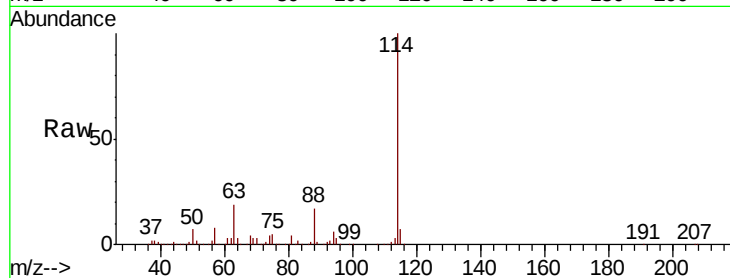
Tot Ion:114 Resp: 378950

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

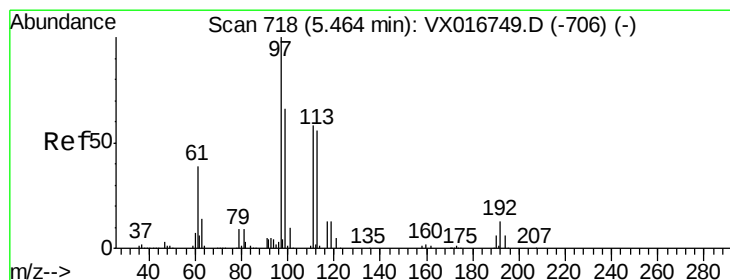
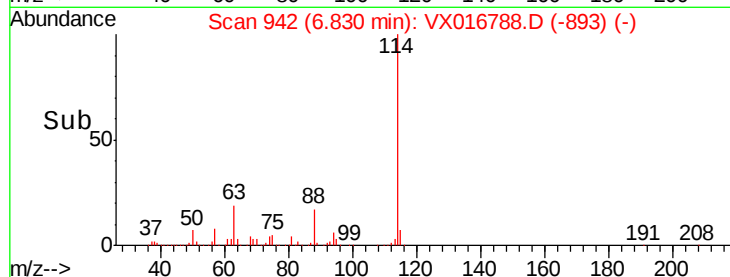
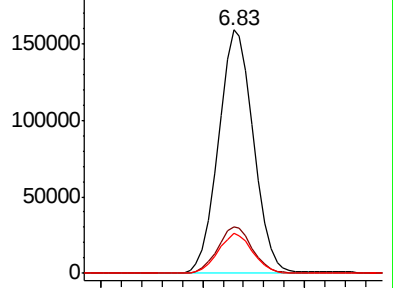
88 16.5 0.0 33.4



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: 50.068 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

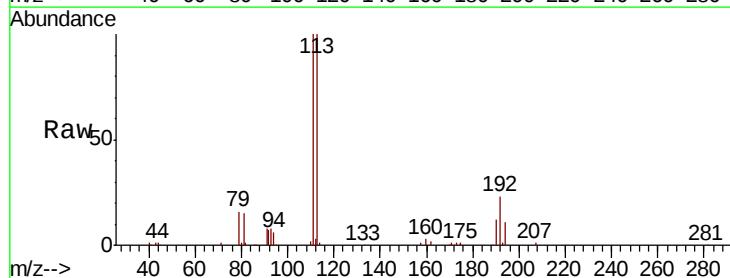
Tgt Ion:113 Resp: 117063

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

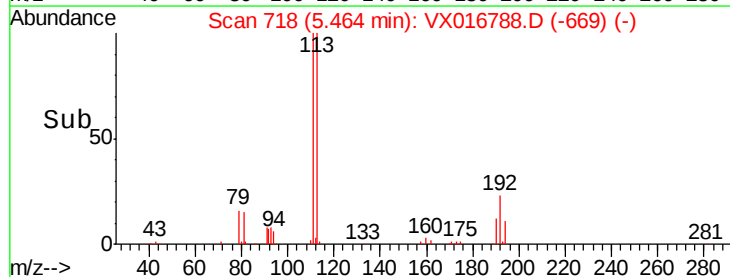
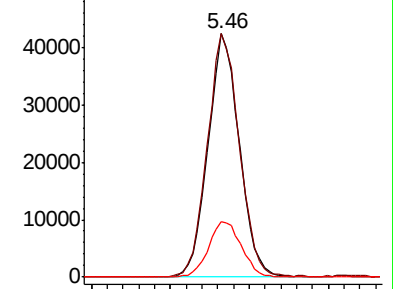
192 23.9 18.2 27.4

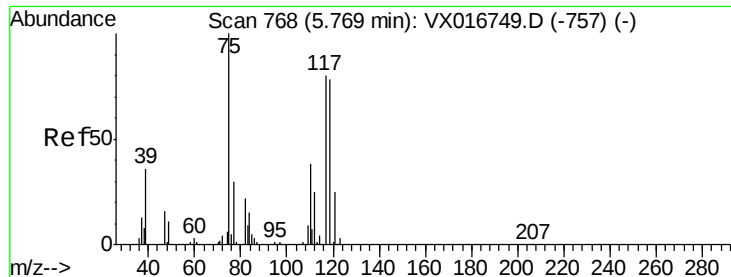


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.782 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

16-20-COMP

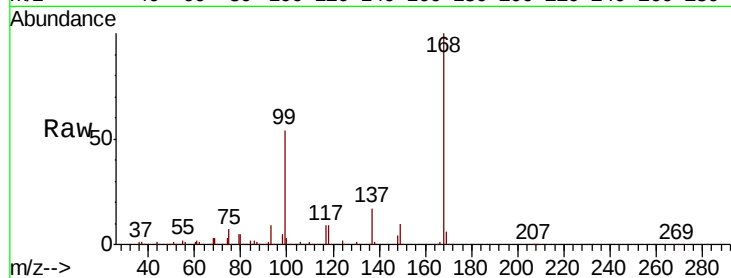
Tot Ion: 75 Resp: 16015

Ion Ratio Lower Upper

75 100

110 10.6 18.4 55.2#

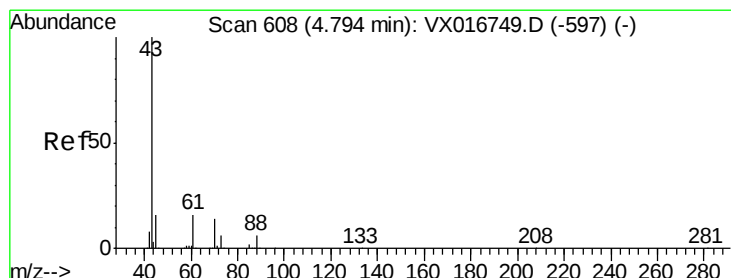
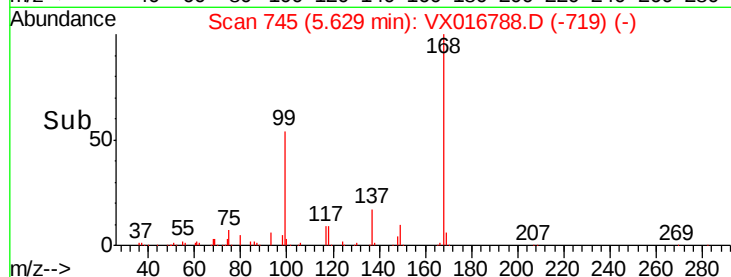
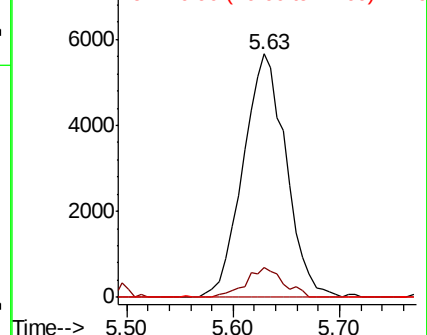
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 5.621 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.16 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

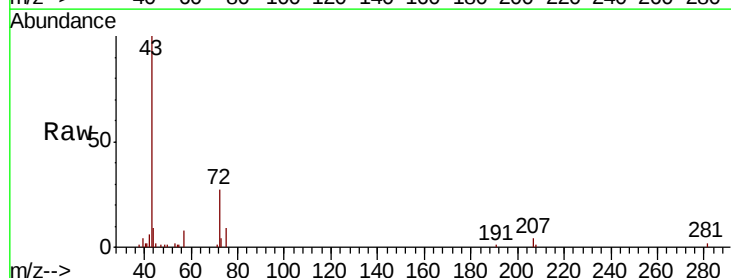
Tgt Ion: 43 Resp: 20616

Ion Ratio Lower Upper

43 100

61 0.0 12.4 18.6#

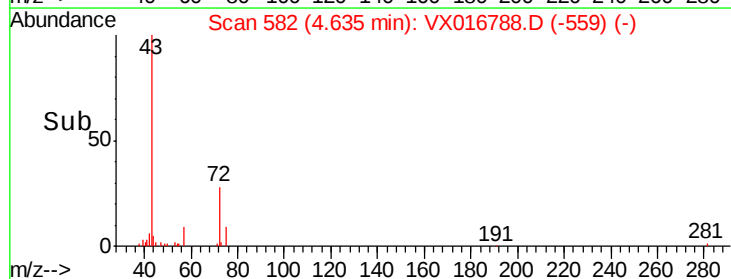
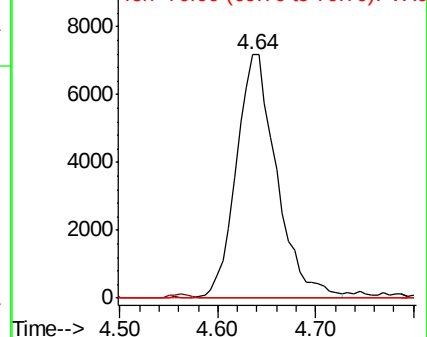
70 0.0 10.8 16.2#

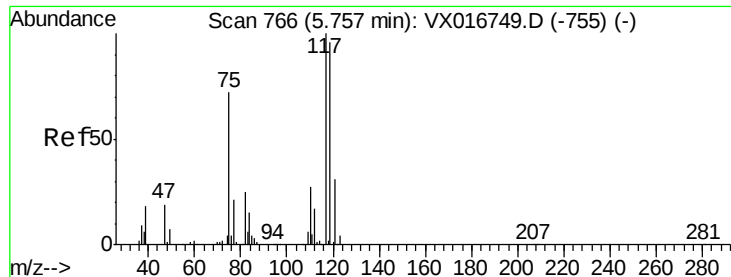


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.860 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampled :

16-20-COMP

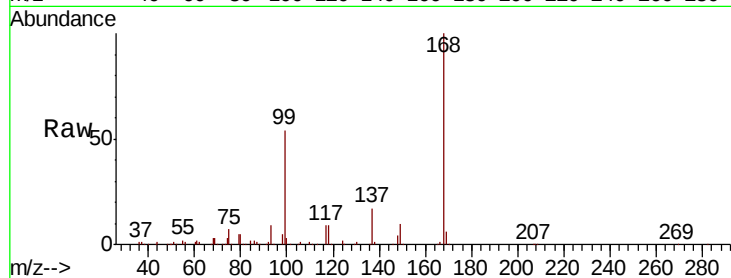
Tot Ion:117 Resp: 22287

Ion Ratio Lower Upper

117 100

119 4.6 76.7 115.1#

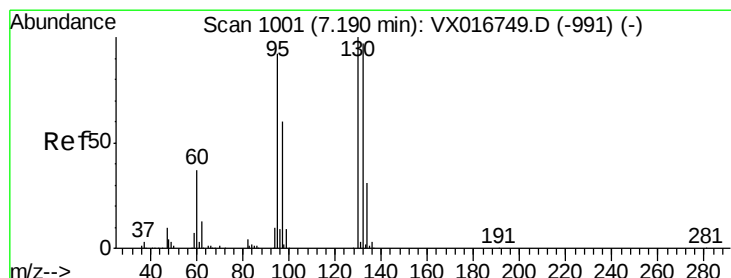
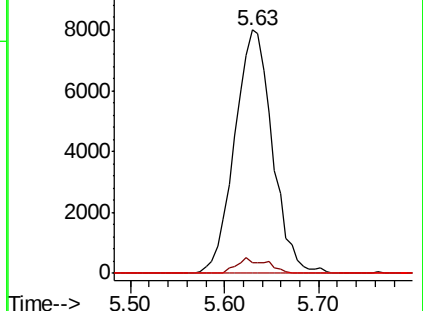
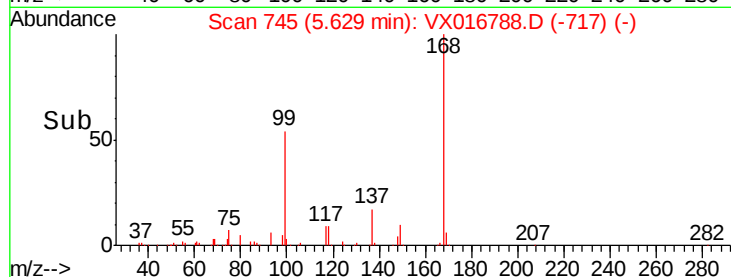
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.918 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016788.D

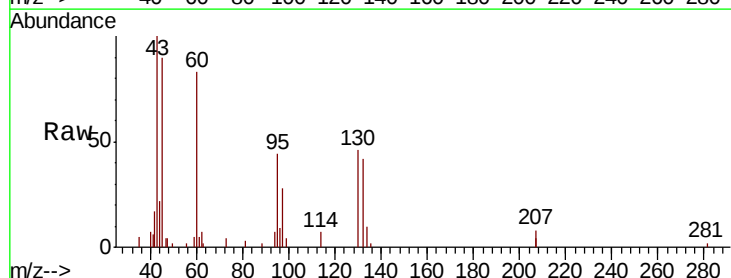
Acq: 16 Jun 2020 18:31

Tgt Ion:130 Resp: 2896

Ion Ratio Lower Upper

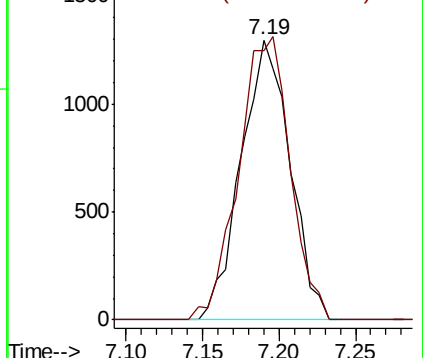
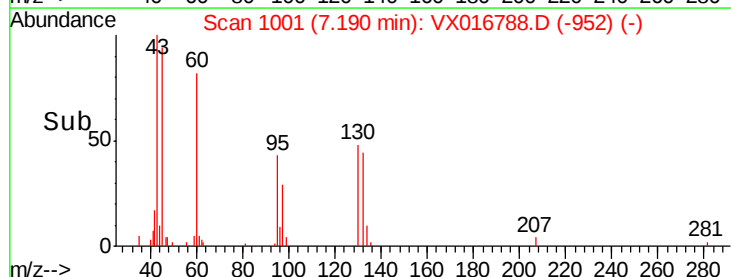
130 100

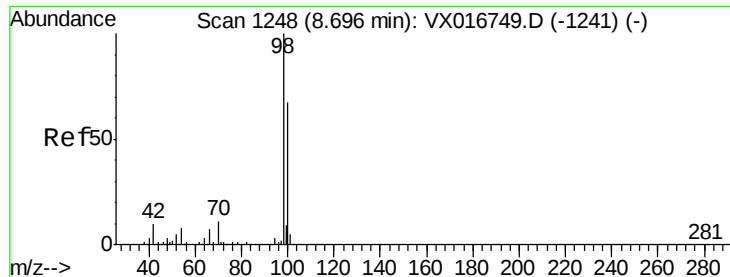
95 96.1 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 54.615 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

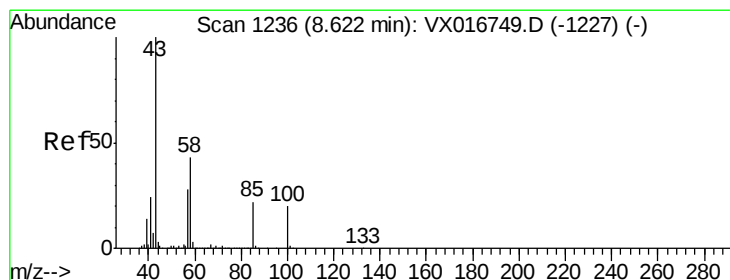
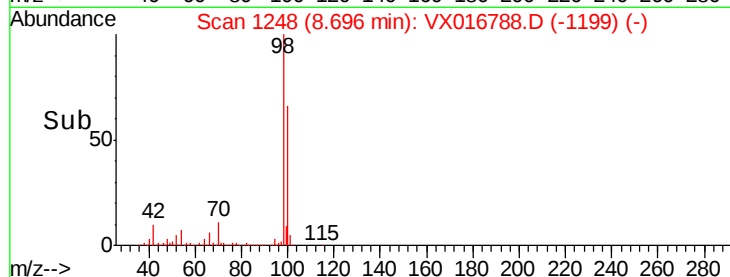
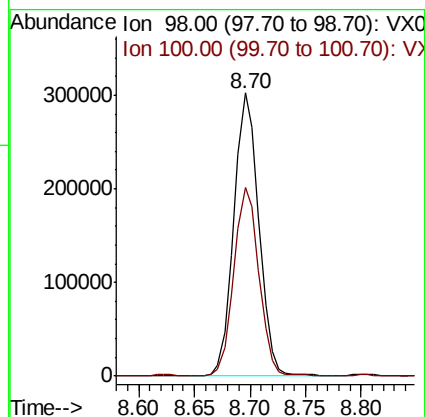
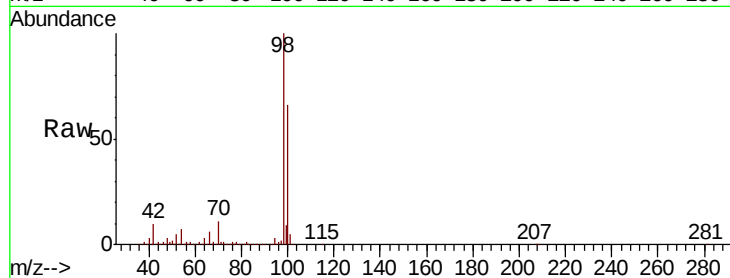
16-20-COMP

Tot Ion: 98 Resp: 470842

Ion Ratio Lower Upper

98 100

100 66.8 53.9 80.9



#51

4-Methyl-2-Pentanone

Concen: 4.545 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX016788.D

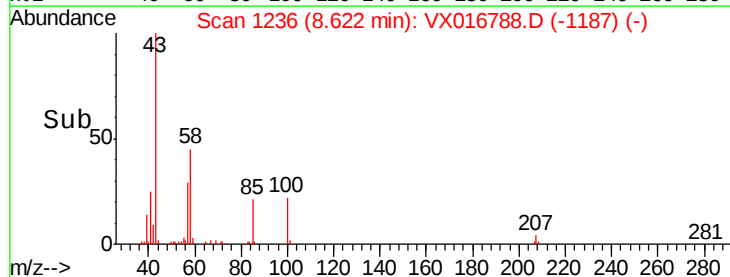
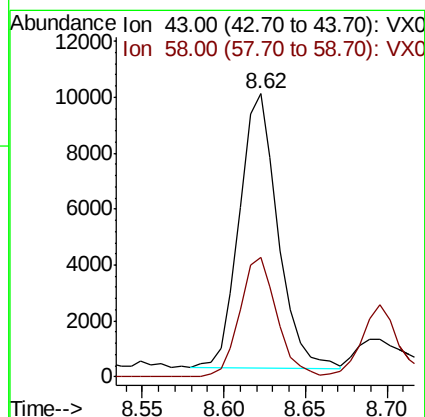
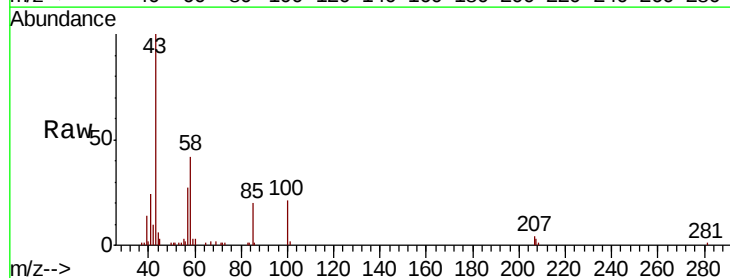
Acq: 16 Jun 2020 18:31

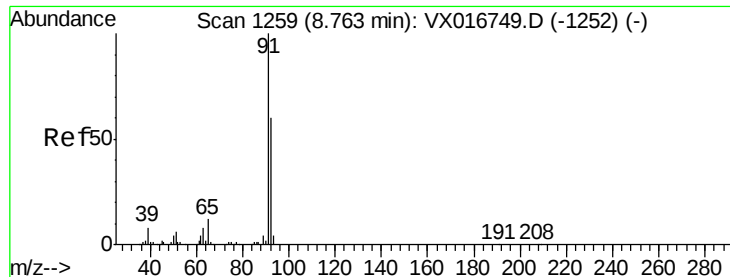
Tgt Ion: 43 Resp: 16098

Ion Ratio Lower Upper

43 100

58 42.1 34.6 52.0





#52

Toluene

Concen: 21.471 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampled :

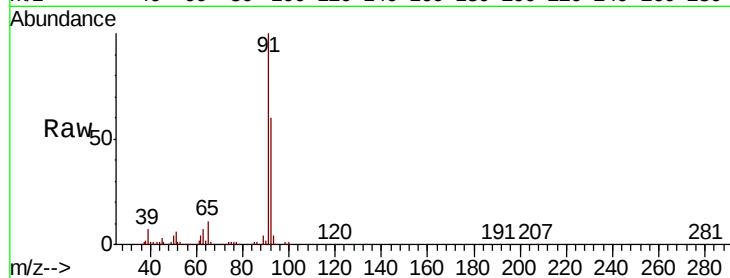
16-20-COMP

Tot Ion: 92 Resp: 142203

Ion Ratio Lower Upper

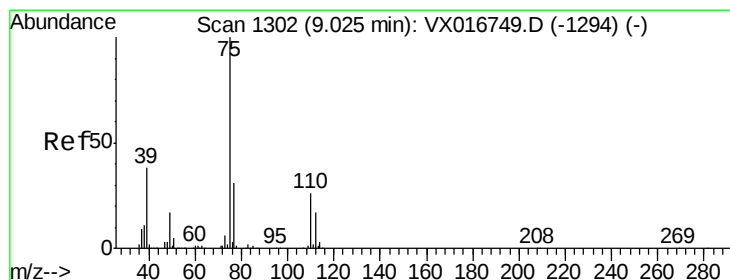
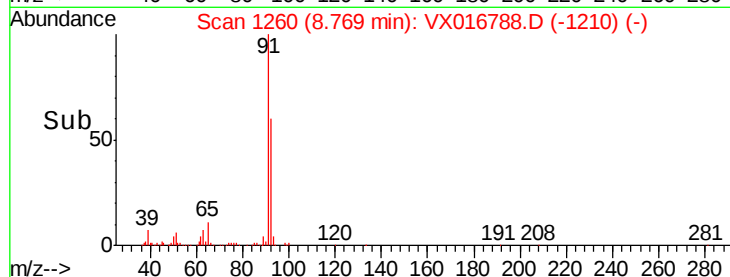
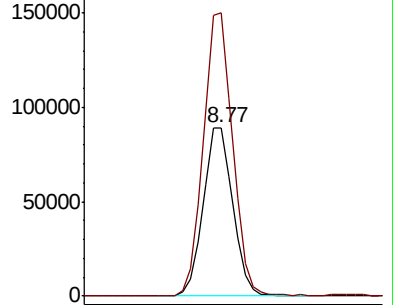
92 100

91 167.3 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.407 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.26 min

Lab File: VX016788.D

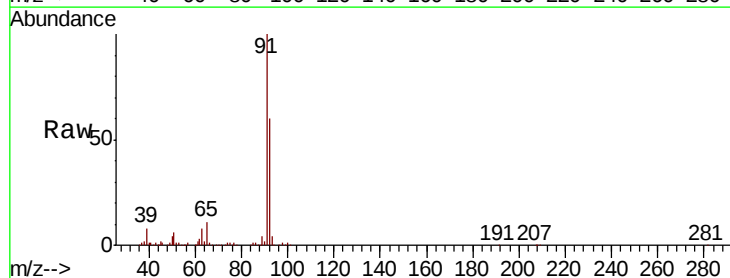
Acq: 16 Jun 2020 18:31

Tgt Ion: 75 Resp: 1748

Ion Ratio Lower Upper

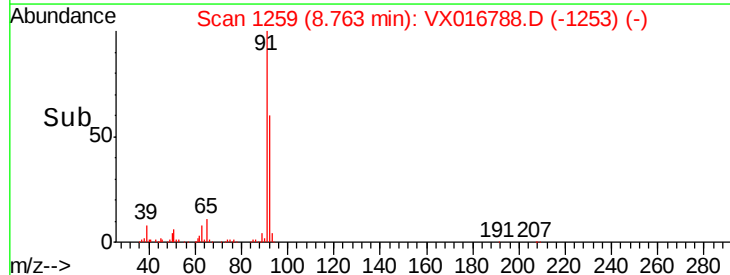
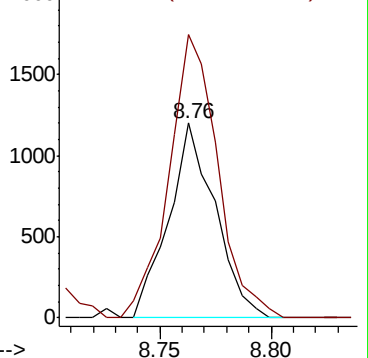
75 100

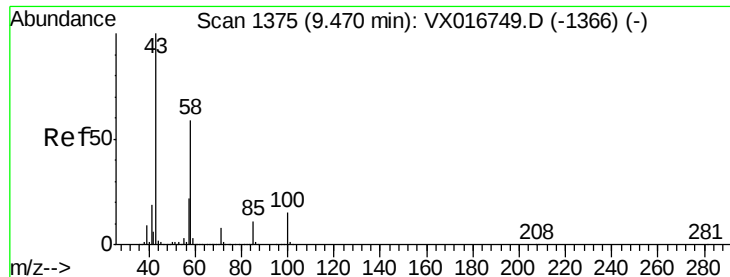
77 145.4 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

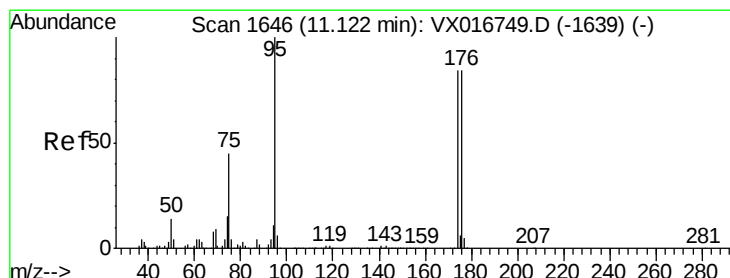
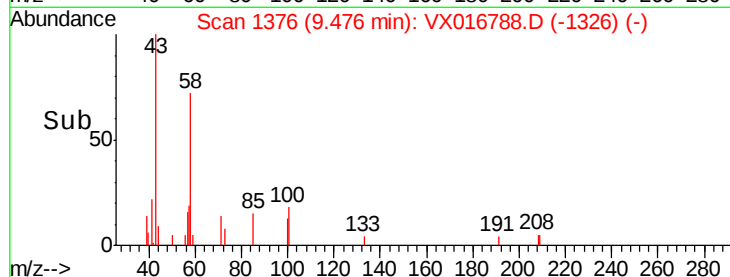
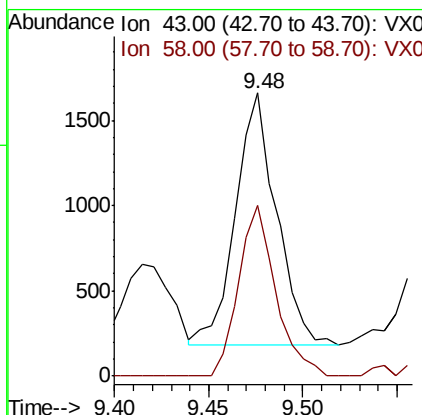
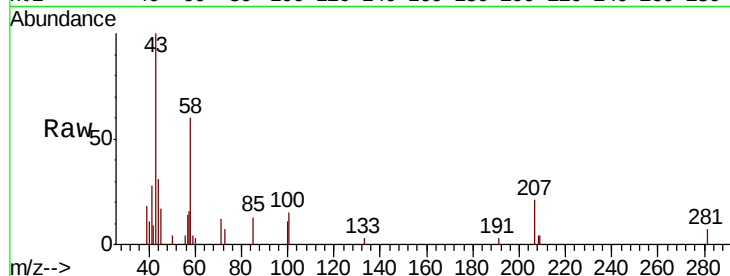




#59
2-Hexanone
Concen: 0.816 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

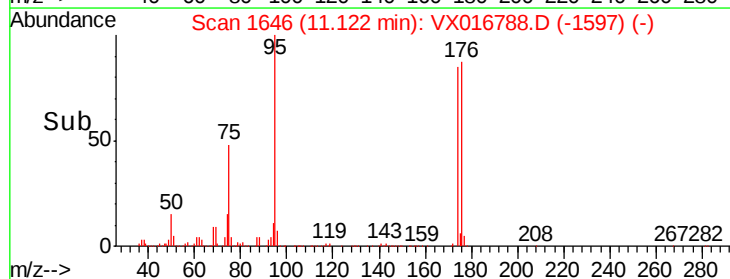
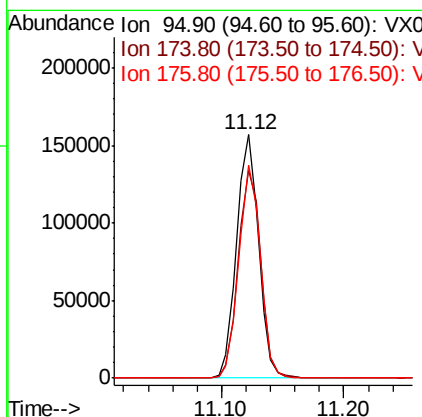
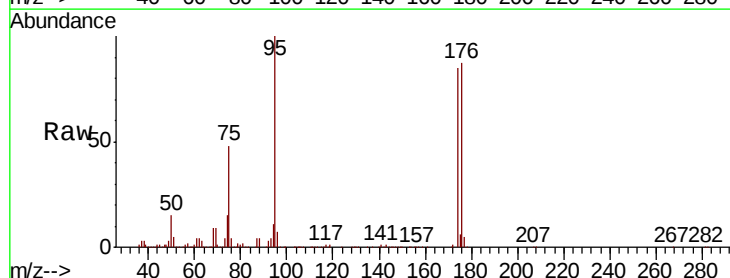
Instrument :
MSVOA_X
ClientSampleId :
16-20-COMP

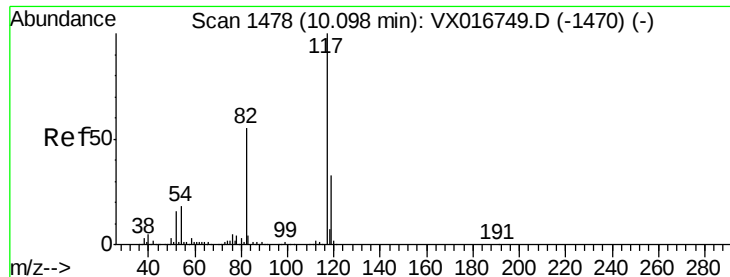
Tot Ion: 43 Resp: 2230
Ion Ratio Lower Upper
43 100
58 61.5 29.9 89.8



#62
4-Bromofluorobenzene
Concen: 58.785 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

Tgt Ion: 95 Resp: 193846
Ion Ratio Lower Upper
95 100
174 87.6 0.0 171.0
176 86.2 0.0 166.2

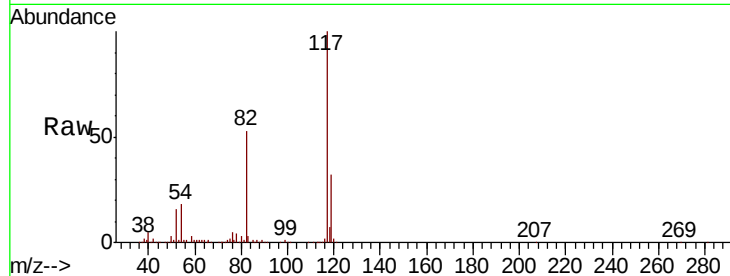




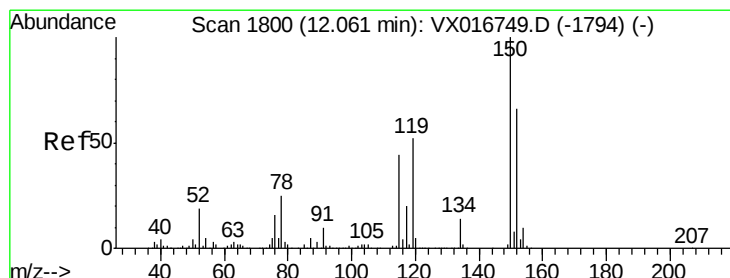
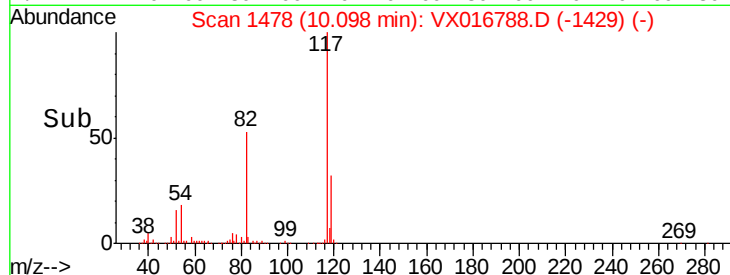
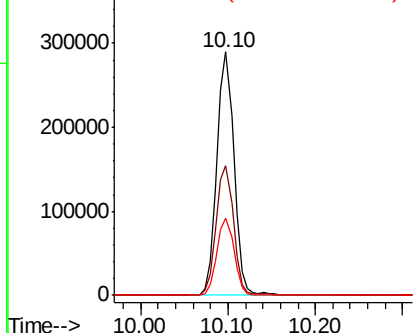
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

Instrument :
MSVOA_X
ClientSampleId :
16-20-COMP

Tot Ion:117 Resp: 391963
Ion Ratio Lower Upper
117 100
82 53.4 43.8 65.6
119 31.6 26.2 39.4

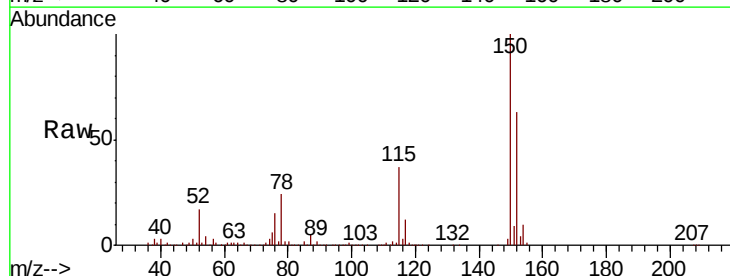


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

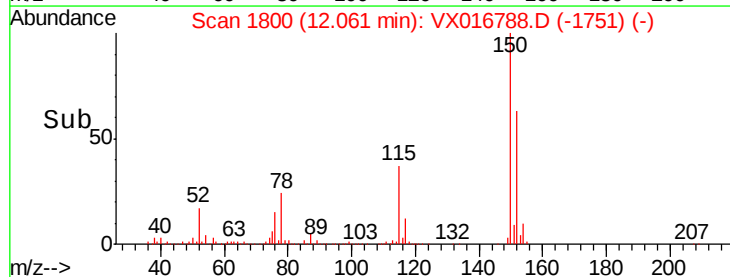
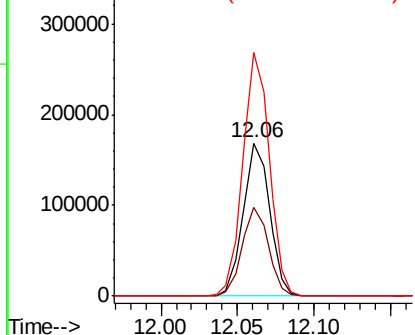


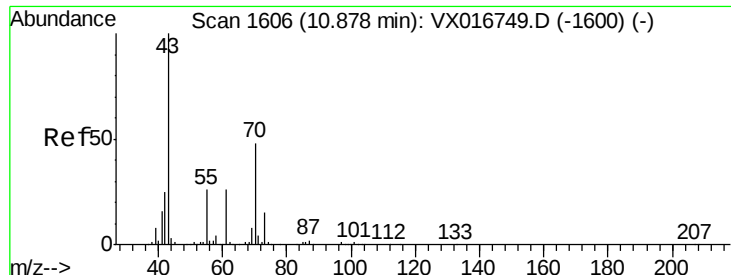
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

Tgt Ion:152 Resp: 203456
Ion Ratio Lower Upper
152 100
115 57.7 40.3 120.8
150 158.9 0.0 337.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.321 ug/l

RT: 10.92 min Scan# 1613

Delta R.T. 0.04 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampled :

16-20-COMP

Tot Ion: 43 Resp: 1667

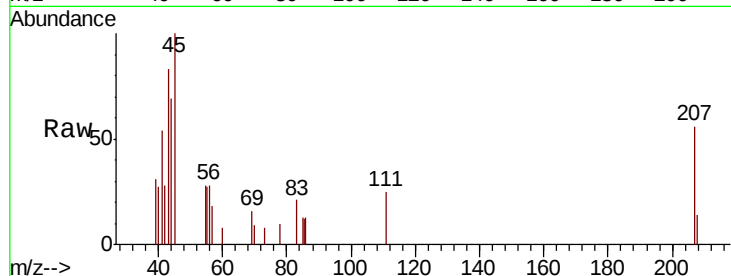
Ion Ratio Lower Upper

43 100

70 0.0 39.8 59.6#

55 0.0 21.7 32.5#

61 0.0 21.6 32.4#

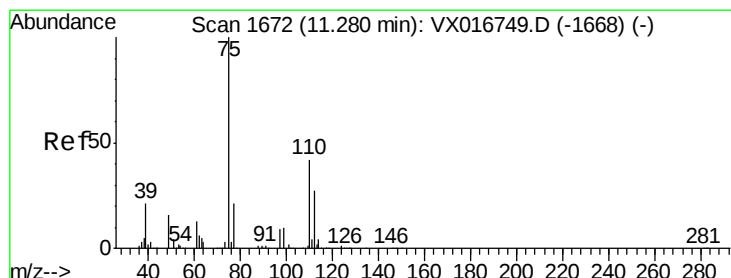
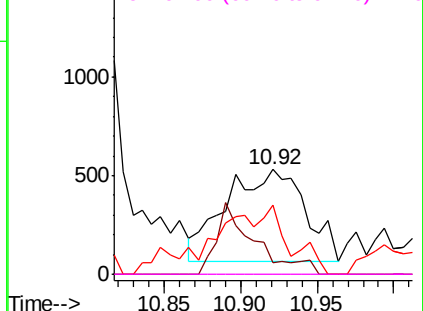
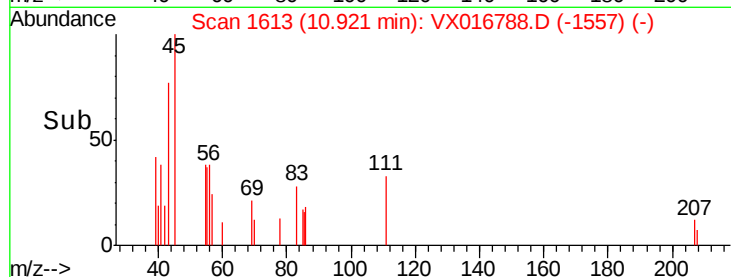


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.638 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016788.D

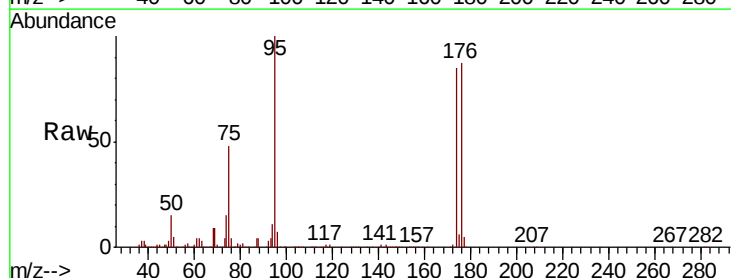
Acq: 16 Jun 2020 18:31

Tgt Ion: 75 Resp: 92578

Ion Ratio Lower Upper

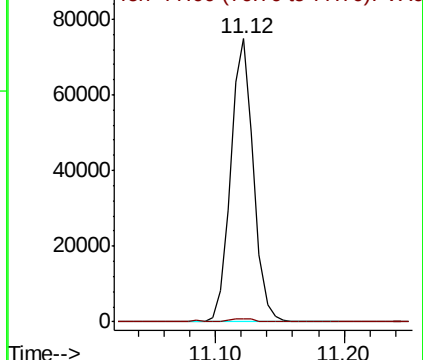
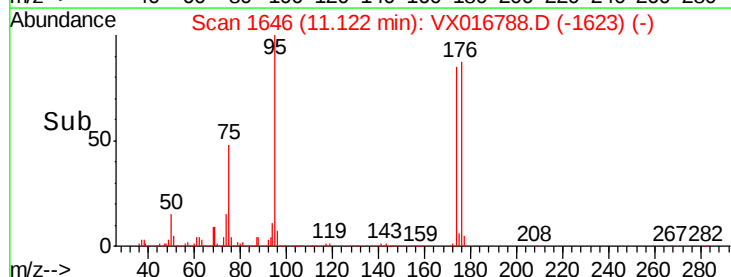
75 100

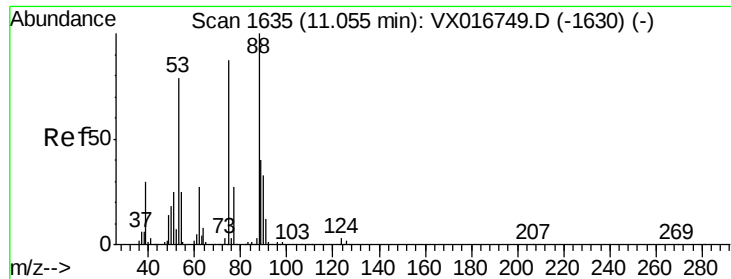
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

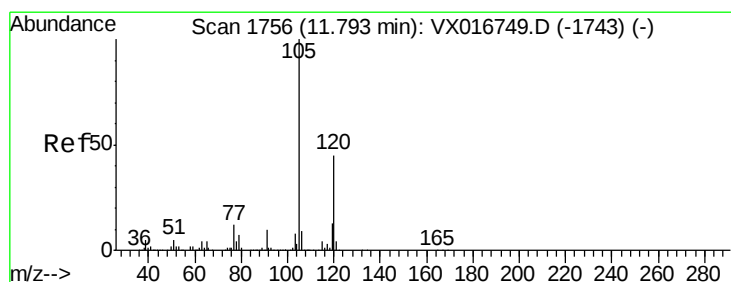
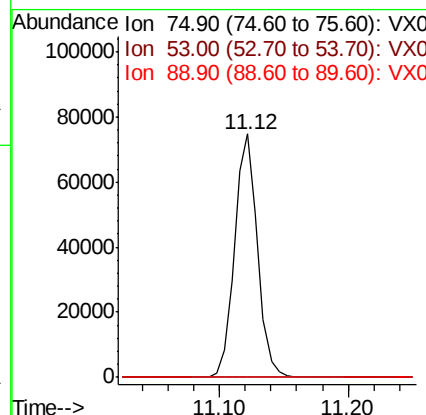
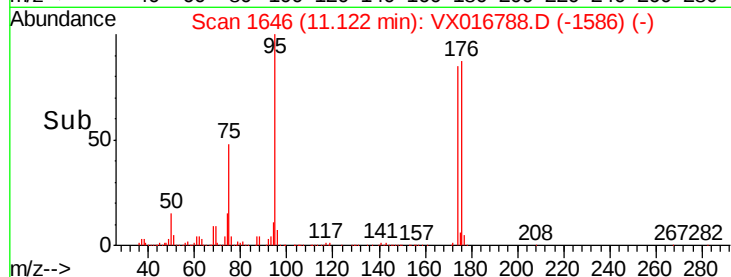
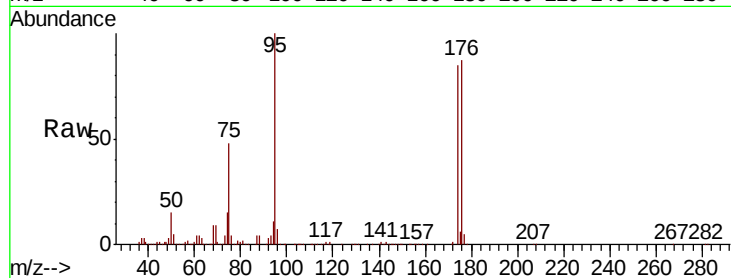




#81
trans-1,4-Dichloro-2-butene
Concen: 54.472 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

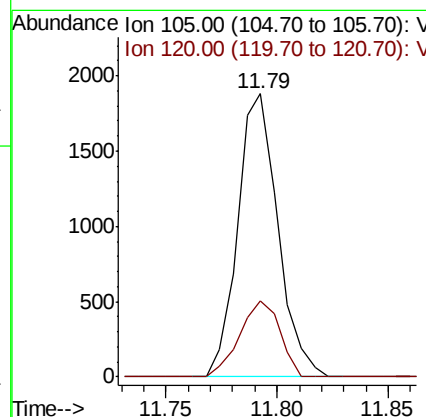
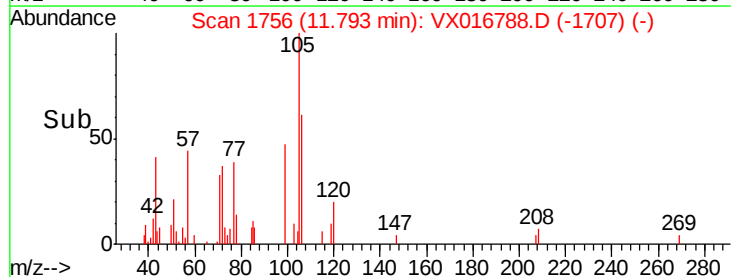
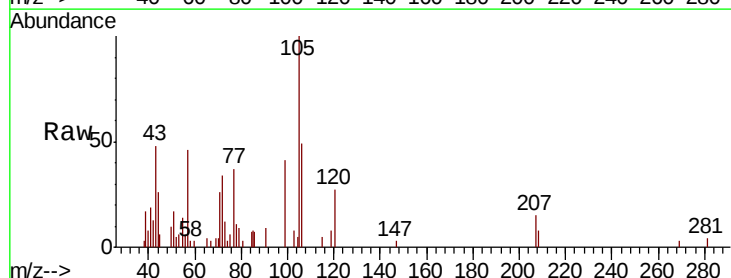
Instrument :
MSVOA_X
ClientSampleId :
16-20-COMP

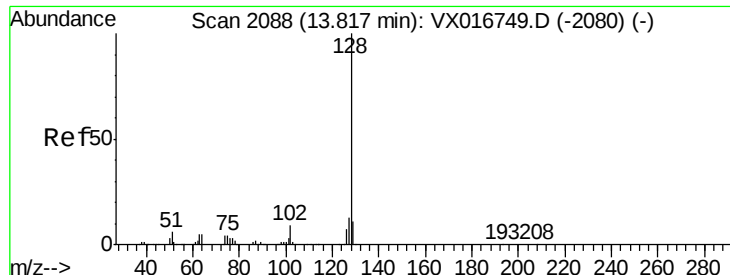
Tot Ion: 75 Resp: 92578
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.0#
89 0.0 39.1 58.7#



#84
1,2,4-Trimethylbenzene
Concen: 0.208 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016788.D
Acq: 16 Jun 2020 18:31

Tgt Ion: 105 Resp: 2360
Ion Ratio Lower Upper
105 100
120 27.1 22.6 67.8





#95

Naphthalene

Concen: 0.280 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016788.D

Acq: 16 Jun 2020 18:31

Instrument :

MSVOA_X

ClientSampleId :

16-20-COMP

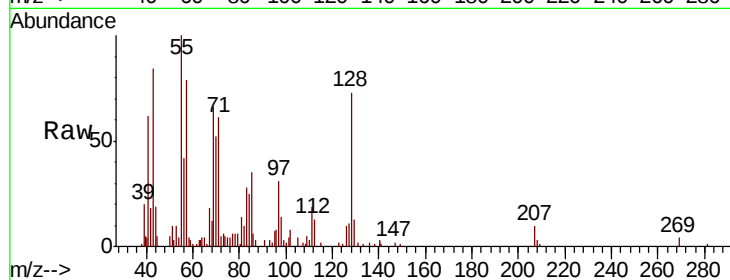
Tot Ion:128 Resp: 3913

Ion Ratio Lower Upper

128 100

127 19.4 10.2 15.4#

129 23.7 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

