

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016797.D
 Acq On : 16 Jun 2020 23:26
 Operator : JC/SP
 Sample : VX0616WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBL02

Quant Time: Jun 17 04:02:36 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	5.64	168	275787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	432329	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	439222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226278	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	150156	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	5.46	113	128863	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.70	98	523343	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
62) 4-Bromofluorobenzene	11.12	95	214627	57.05	ug/l	0.00
Spiked Amount			Recovery	=	114.10%	

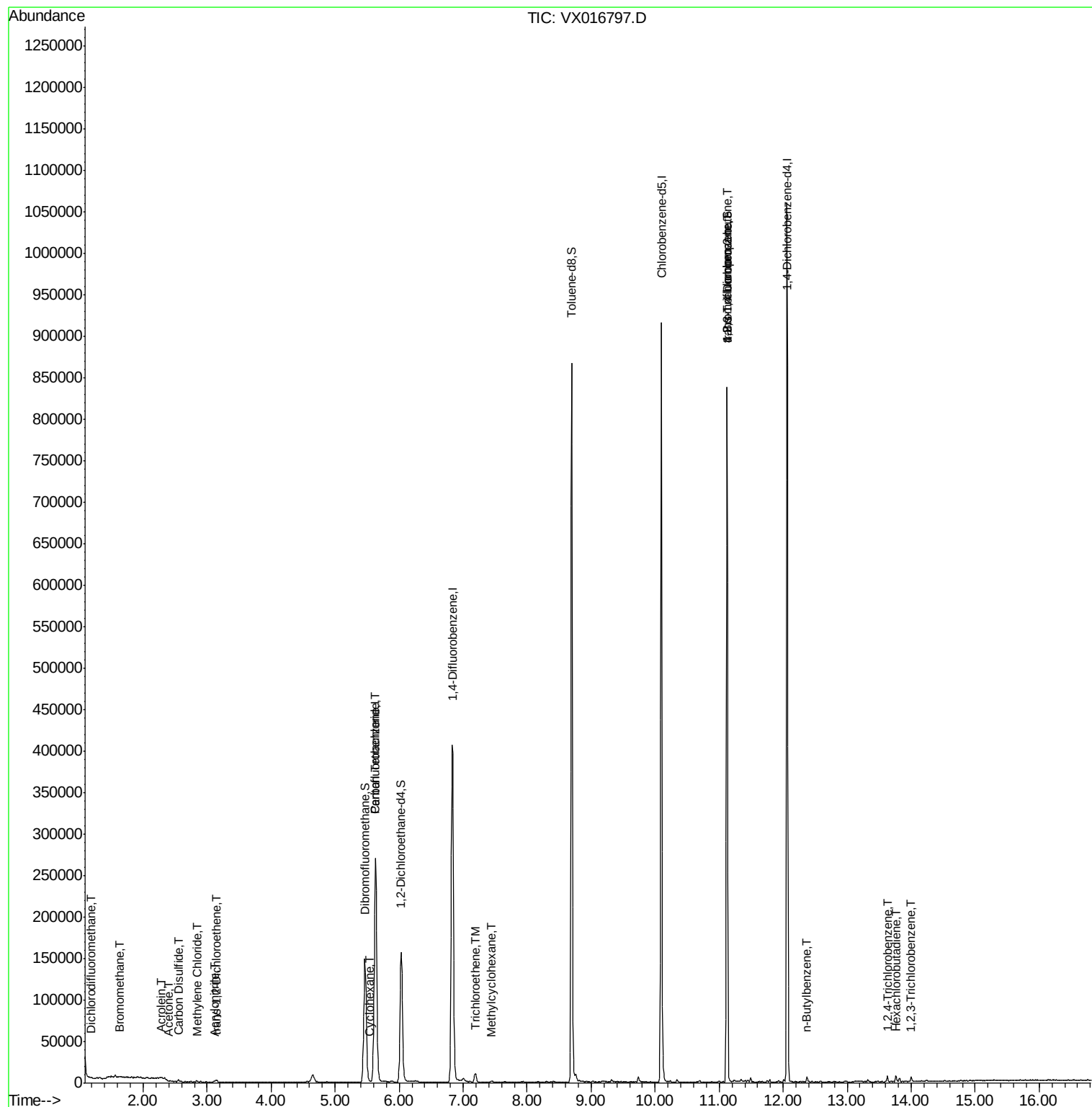
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	218	0.215	ug/l #	42
5) Bromomethane	1.64	94	715	0.358	ug/l	93
13) Acrolein	2.28	56	597	4.088	ug/l #	51
15) Acrylonitrile	3.12	53	662	0.419	ug/l	95
16) Acetone	2.40	43	313	0.222	ug/l #	42
17) Carbon Disulfide	2.55	76	3243	0.420	ug/l	99
20) Methylene Chloride	2.85	84	633	0.209	ug/l #	81
21) trans-1,2-Dichloroethene	3.15	96	1323	0.457	ug/l	93
31) Cyclohexane	5.54	56	346	0.780	ug/l #	80
38) Carbon Tetrachloride	5.64	117	25656	5.913	ug/l #	16
39) Methylcyclohexane	7.45	83	439	1.050	ug/l	98
44) Trichloroethene	7.20	130	4202	1.168	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	102215	21.480	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102215	54.076	ug/l #	13
89) n-Butylbenzene	12.37	91	2282	0.216	ug/l	94
93) 1,2,4-Trichlorobenzene	13.63	180	1779	0.358	ug/l	98
94) Hexachlorobutadiene	13.76	225	1158	0.939	ug/l	82
96) 1,2,3-Trichlorobenzene	14.01	180	1685	0.345	ug/l	99

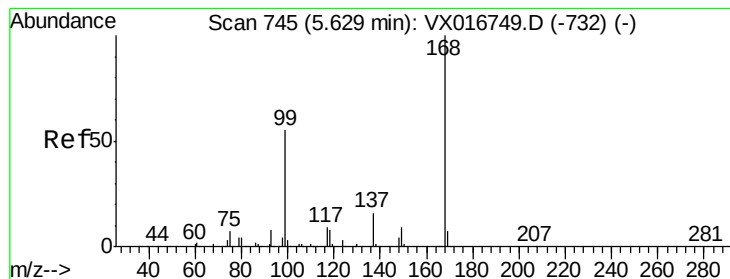
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
VX0616WBL02

Quant Time: Jun 17 04:02:36 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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

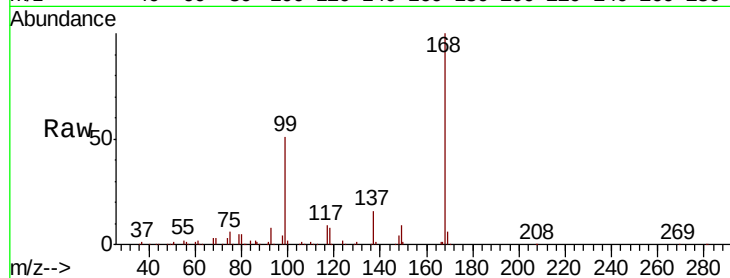
VX0616WBL02

Tot Ion:168 Resp: 275787

Ion Ratio Lower Upper

168 100

99 50.7 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

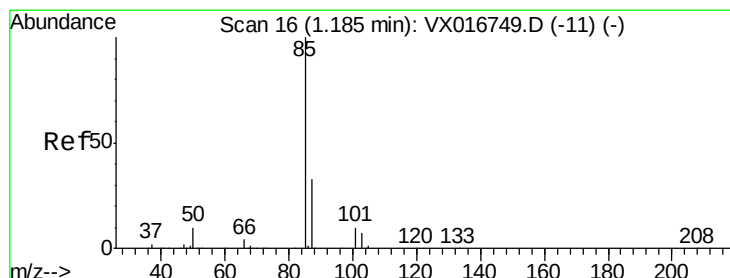
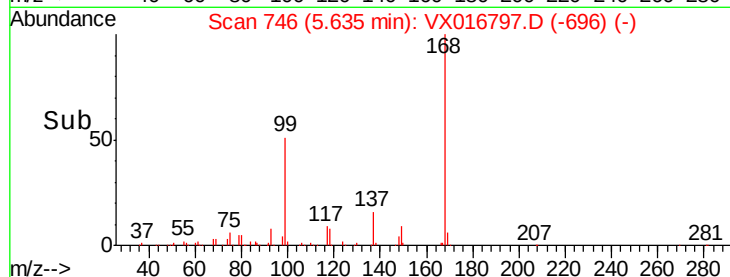
40000

20000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 0.215 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016797.D

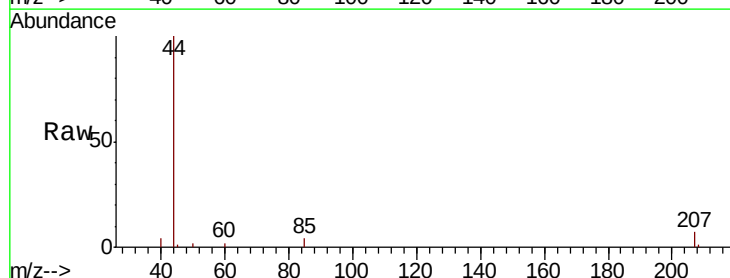
Acq: 16 Jun 2020 23:26

Tgt Ion: 85 Resp: 218

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

200

150

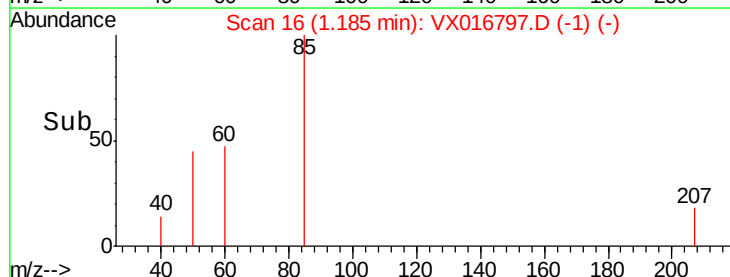
100

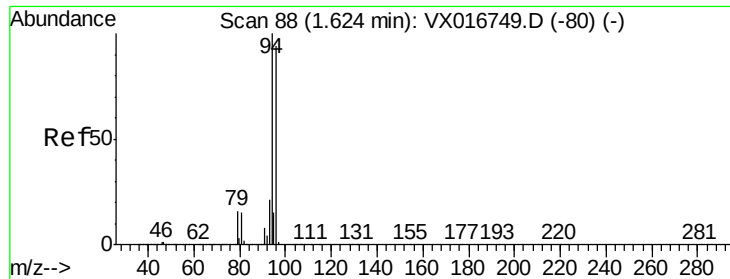
50

0

Time-->

1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.358 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

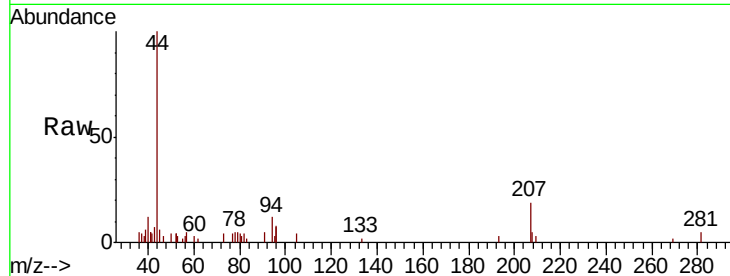
VX0616WBL02

Tot Ion: 94 Resp: 715

Ion Ratio Lower Upper

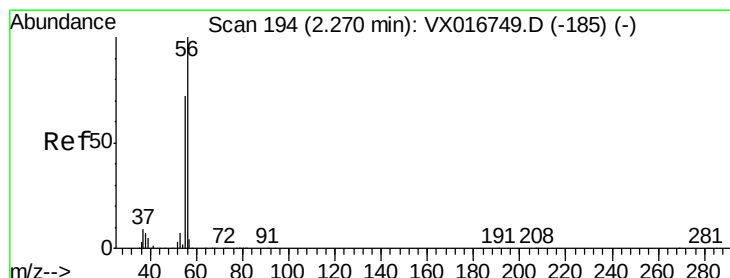
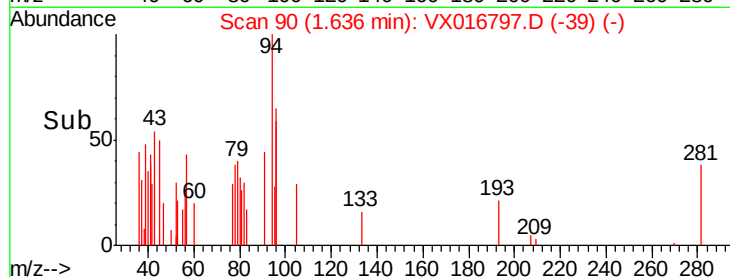
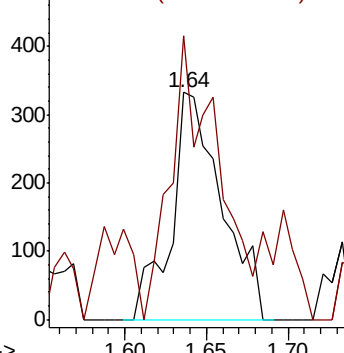
94 100

96 100.6 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 4.088 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016797.D

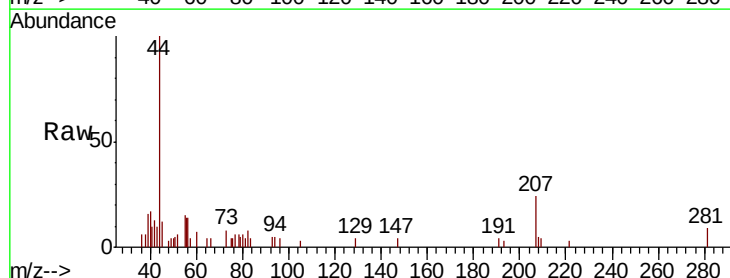
Acq: 16 Jun 2020 23:26

Tgt Ion: 56 Resp: 597

Ion Ratio Lower Upper

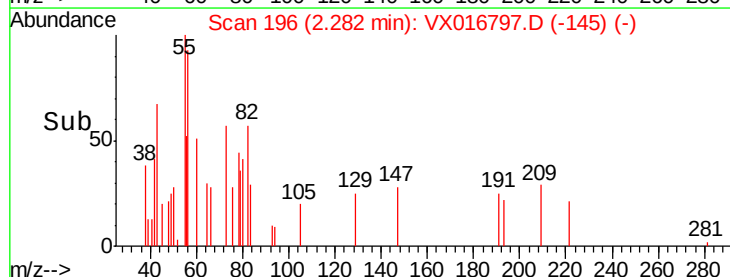
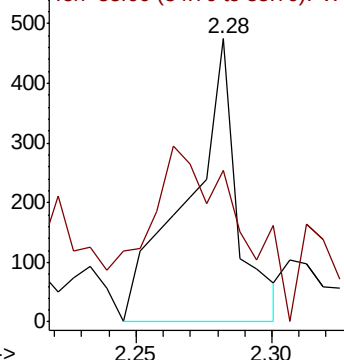
56 100

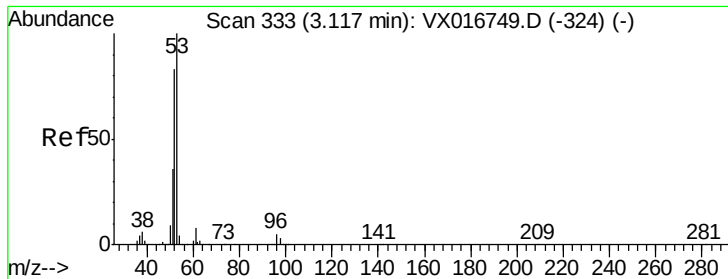
55 113.7 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.419 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBL02

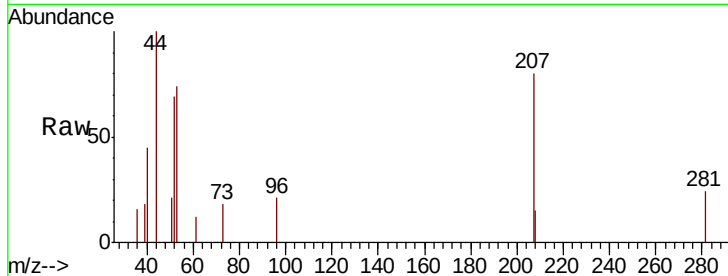
Tot Ion: 53 Resp: 662

Ion Ratio Lower Upper

53 100

52 85.5 65.5 98.3

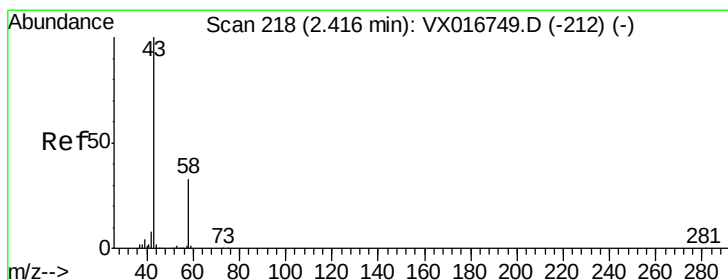
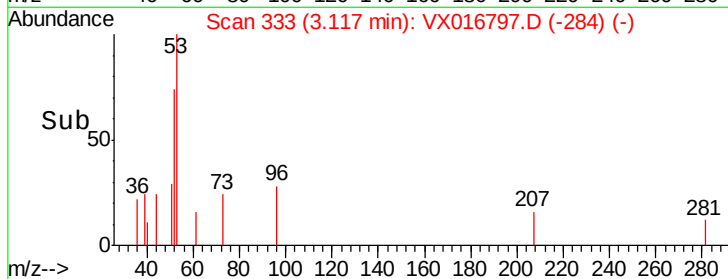
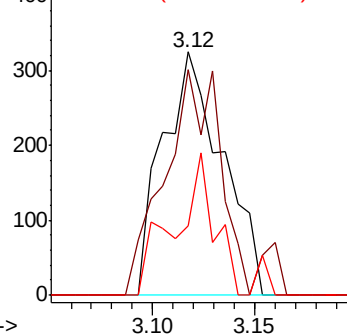
51 39.3 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.222 ug/l

RT: 2.40 min Scan# 216

Delta R.T. -0.01 min

Lab File: VX016797.D

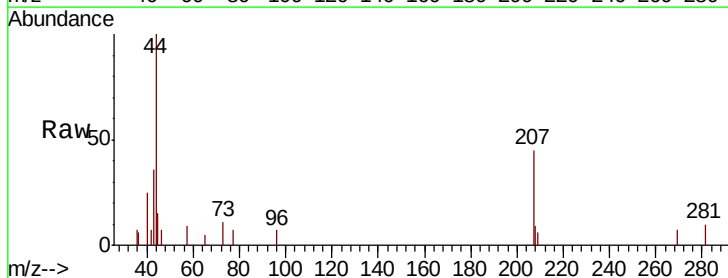
Acq: 16 Jun 2020 23:26

Tgt Ion: 43 Resp: 313

Ion Ratio Lower Upper

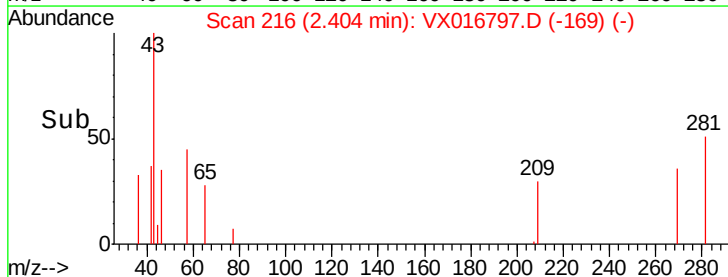
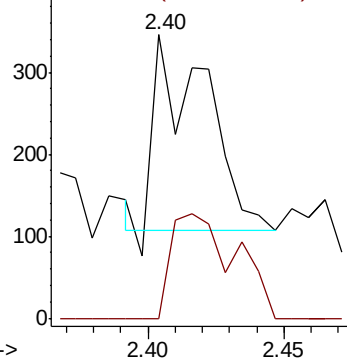
43 100

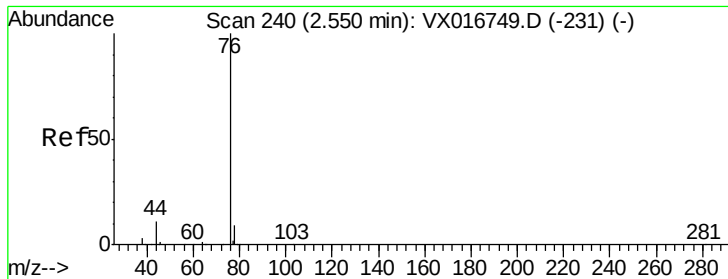
58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.420 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

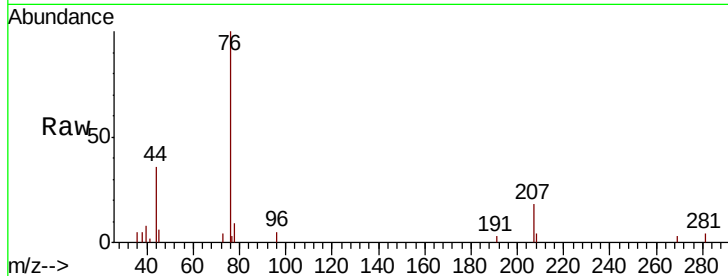
VX0616WBL02

Tot Ion: 76 Resp: 3243

Ion Ratio Lower Upper

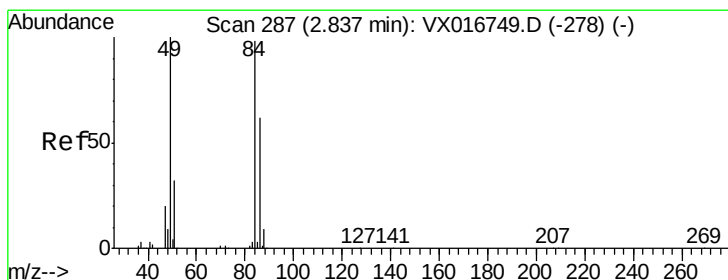
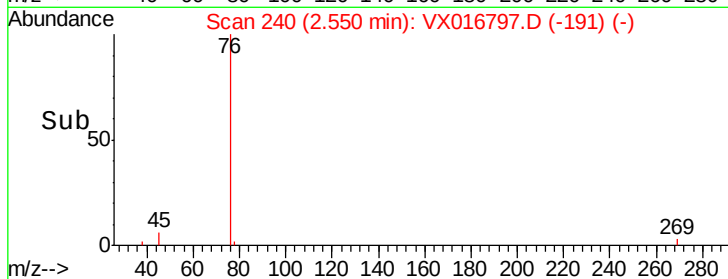
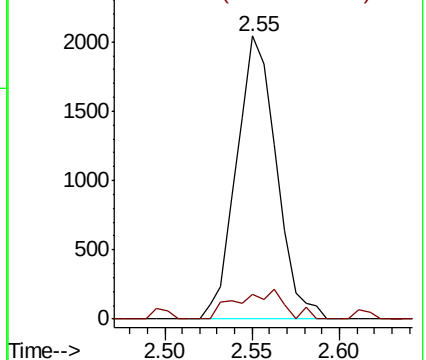
76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 2.85 min Scan# 289

Delta R.T. 0.01 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

Tgt Ion: 84 Resp: 633

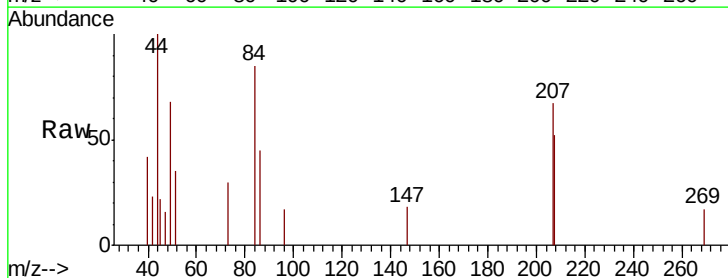
Ion Ratio Lower Upper

84 100

49 79.5 81.8 122.8#

51 41.1 25.8 38.8#

86 52.4 50.4 75.6

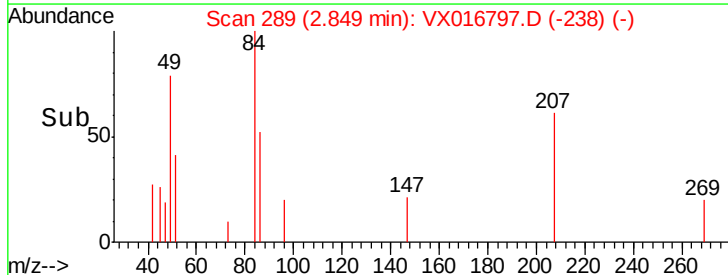
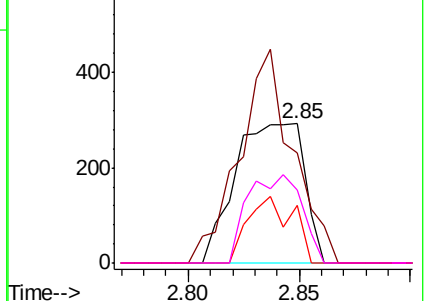


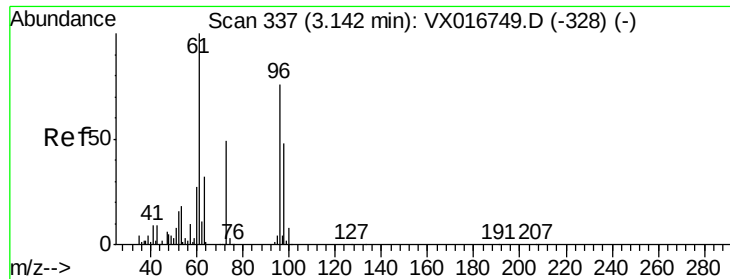
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

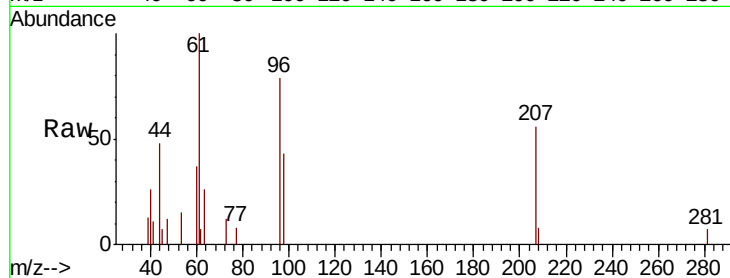




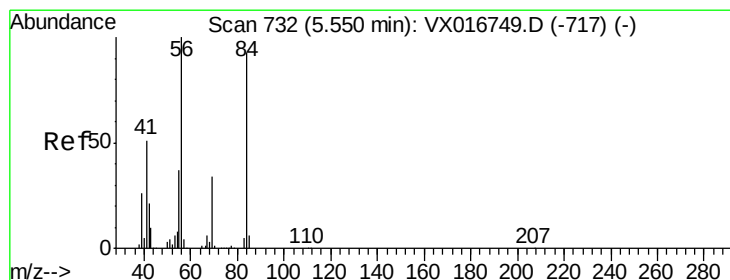
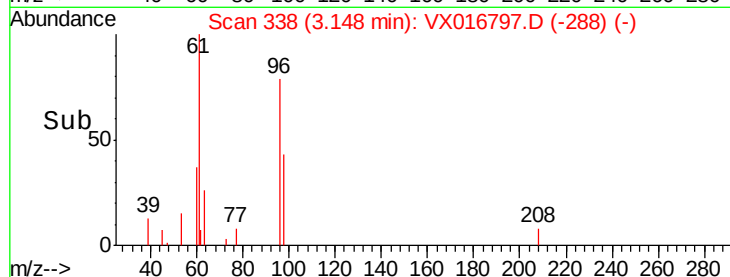
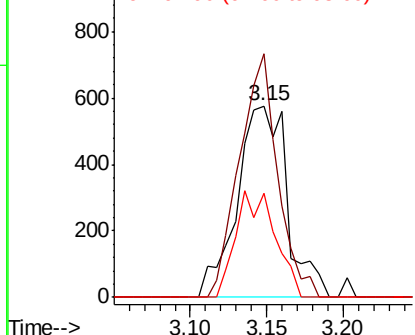
#21
trans-1,2-Dichloroethene
Concen: 0.457 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016797.D
Acq: 16 Jun 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBL02

Tot Ion: 96 Resp: 1323
Ion Ratio Lower Upper
96 100
61 127.0 105.4 158.2
98 54.1 50.8 76.2

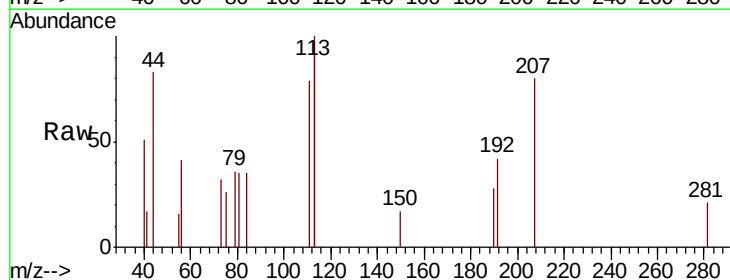


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

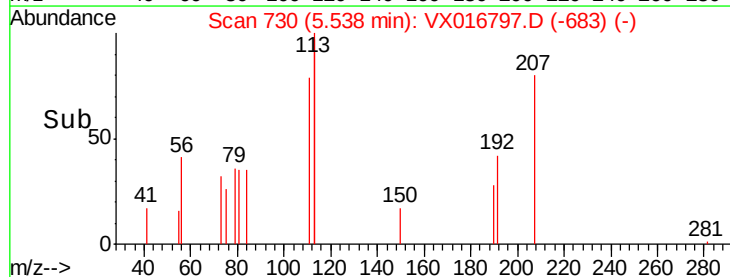
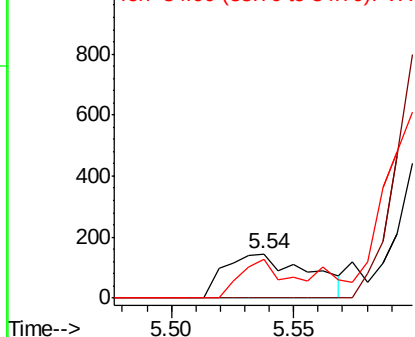


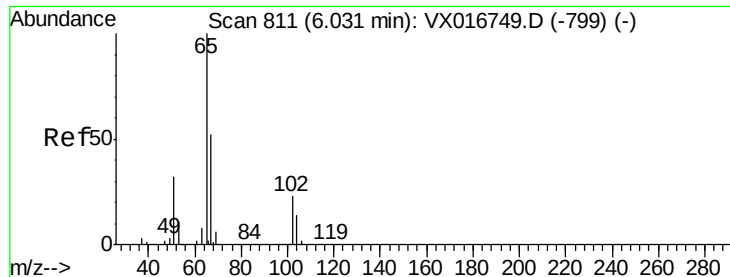
#31
Cyclohexane
Concen: 0.780 ug/l
RT: 5.54 min Scan# 730
Delta R.T. -0.01 min
Lab File: VX016797.D
Acq: 16 Jun 2020 23:26

Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
69 0.0 27.1 40.7#
84 87.6 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

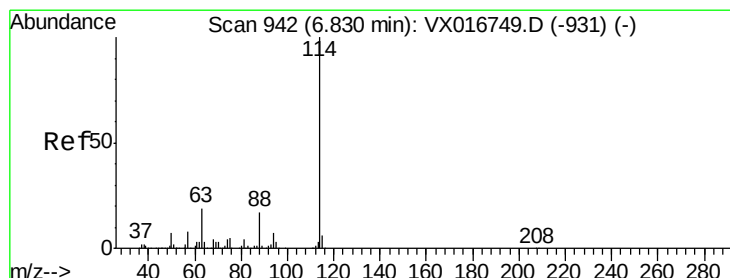
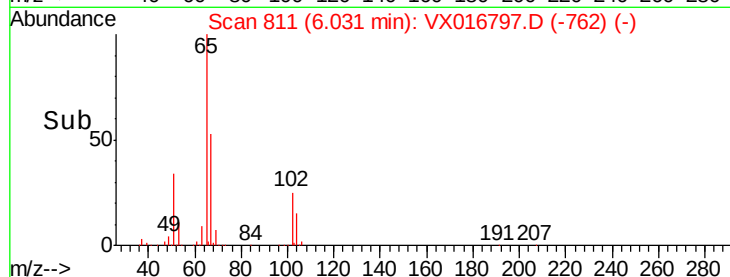
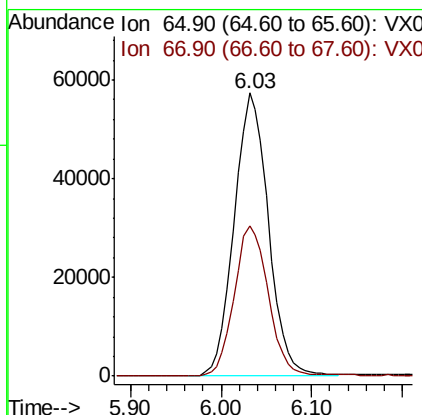
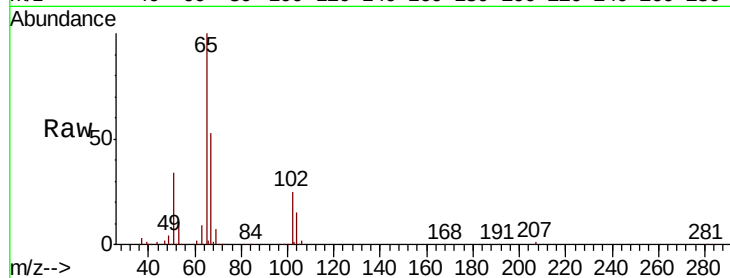




#33
 1,2-Dichloroethane-d4
 Concen: 48.409 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016797.D
 Acq: 16 Jun 2020 23:26

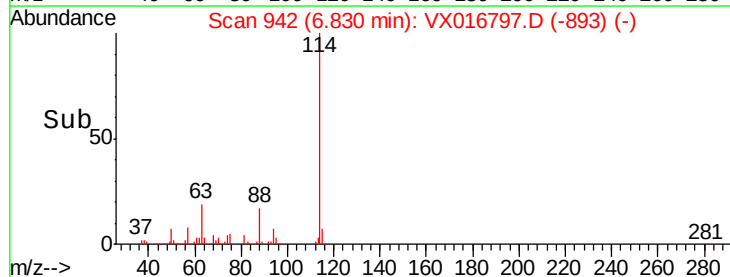
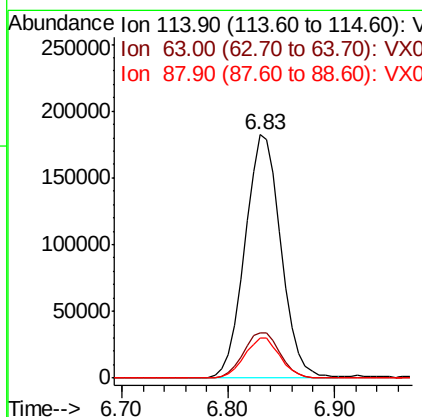
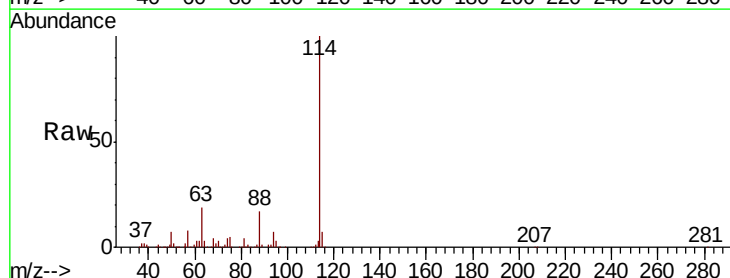
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBL02

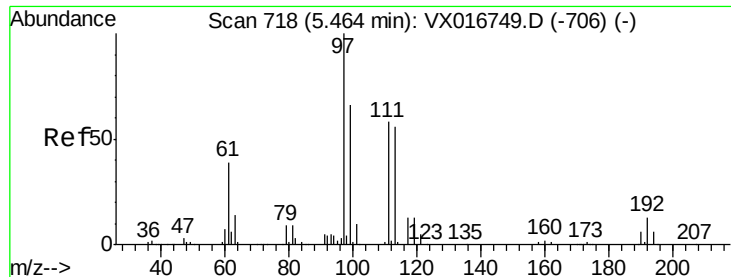
Tot Ion: 65 Resp: 150156
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016797.D
 Acq: 16 Jun 2020 23:26

Tgt Ion: 114 Resp: 432329
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.8
 88 16.5 0.0 33.4

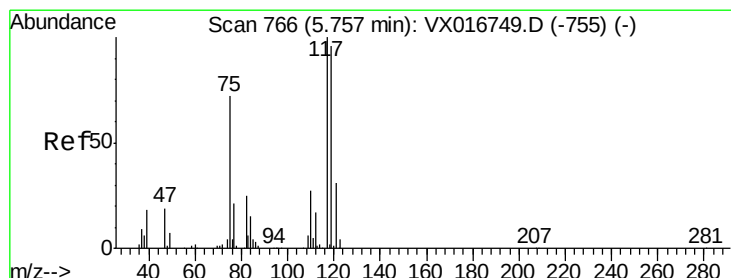
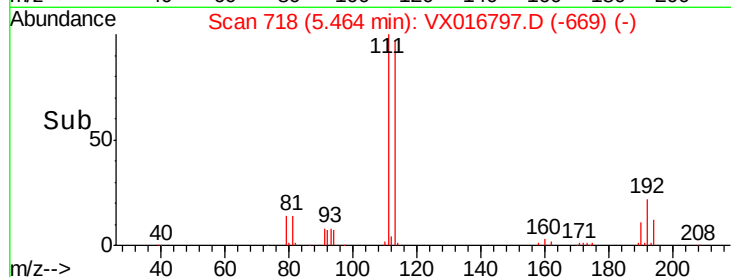
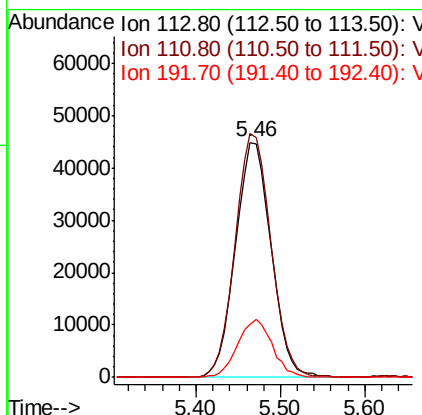
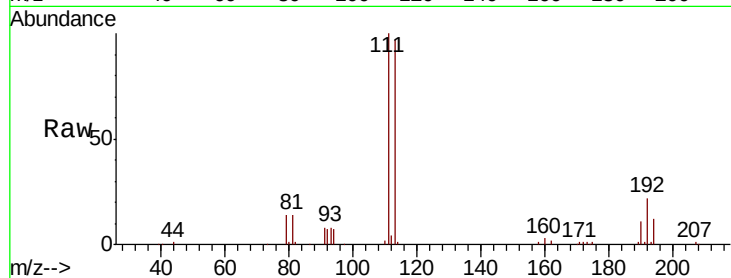




#35
Dibromofluoromethane
Concen: 48.310 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016797.D
Acq: 16 Jun 2020 23:26

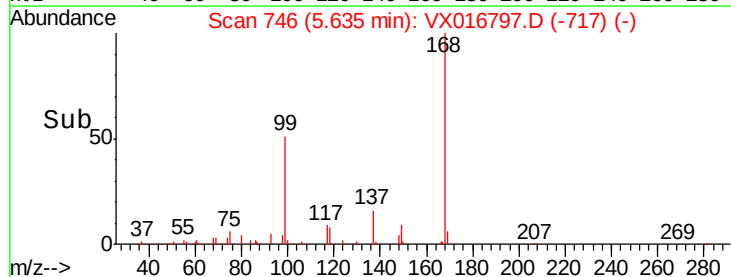
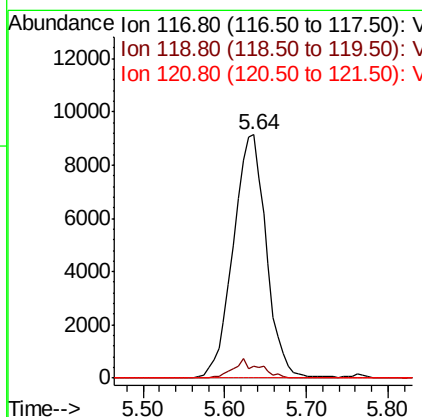
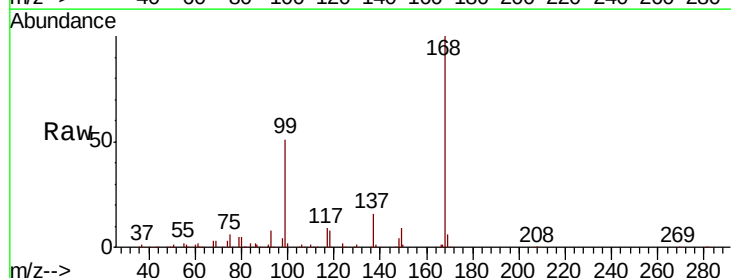
Instrument :
MSVOA_X
ClientSampleId :
VX0616WBL02

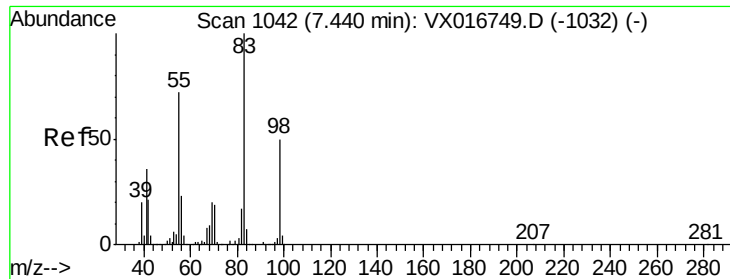
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	24.0	18.2	27.4



#38
Carbon Tetrachloride
Concen: 5.913 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016797.D
Acq: 16 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.7	115.1#
121	0.0	24.7	37.1#





#39

Methvlcvclohexane

Concen: 1.050 ug/l

RT: 7.45 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBL02

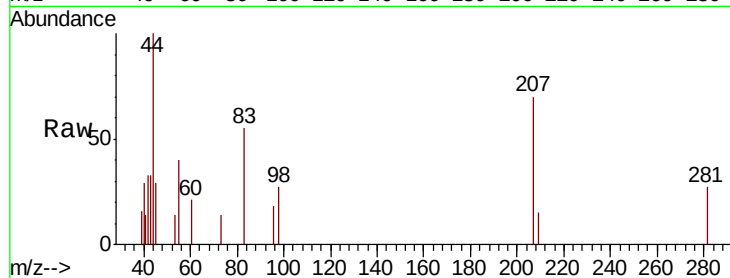
Tot Ion: 83 Resp: 439

Ion Ratio Lower Upper

83 100

55 72.8 57.3 85.9

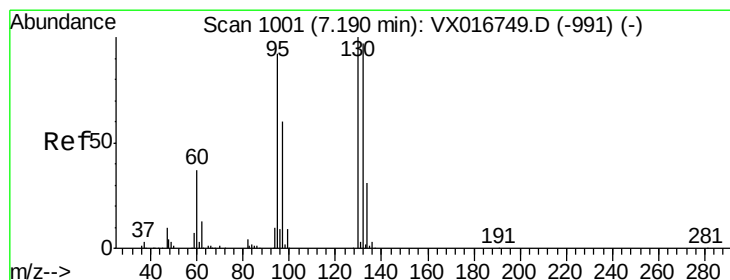
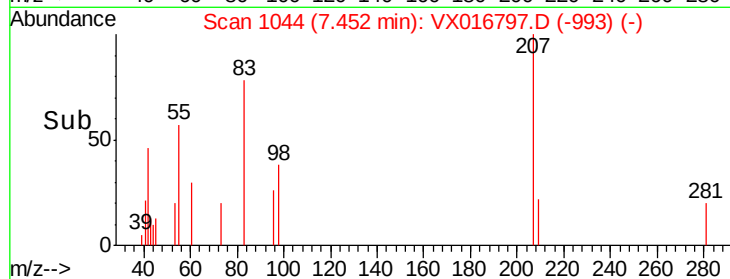
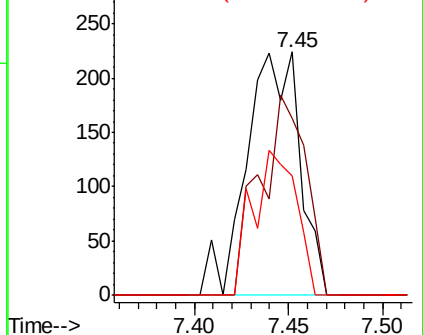
98 49.1 40.3 60.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#44

Trichloroethene

Concen: 1.168 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016797.D

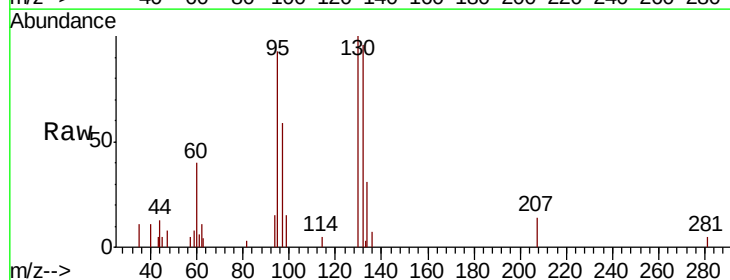
Acq: 16 Jun 2020 23:26

Tgt Ion:130 Resp: 4202

Ion Ratio Lower Upper

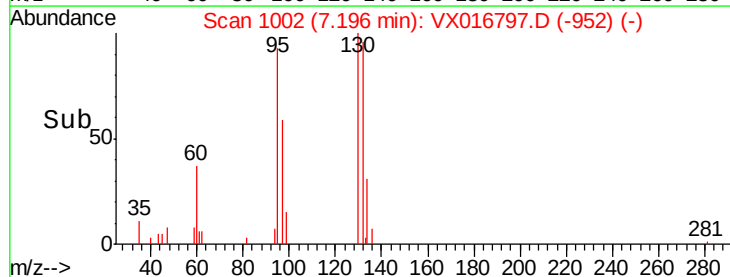
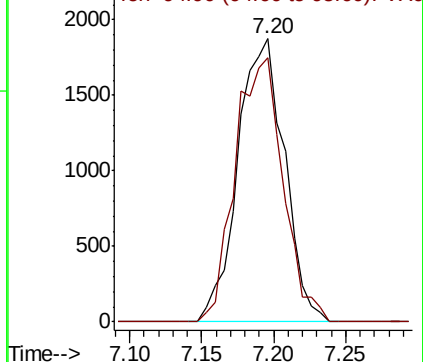
130 100

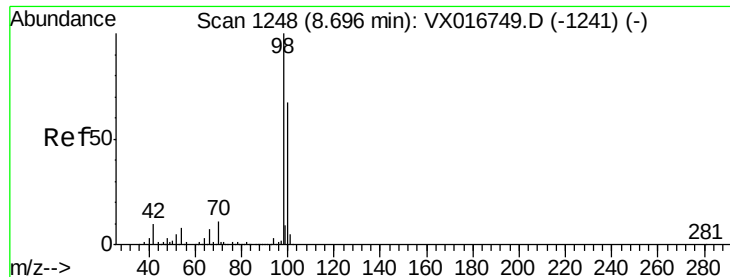
95 93.4 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

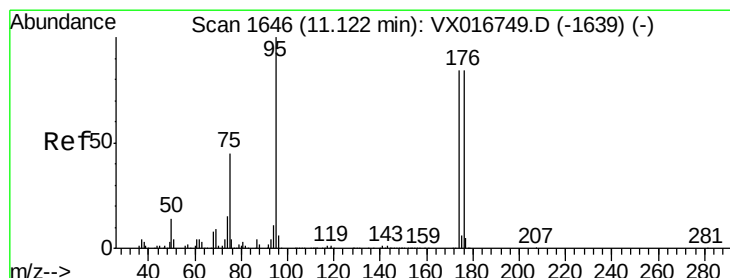
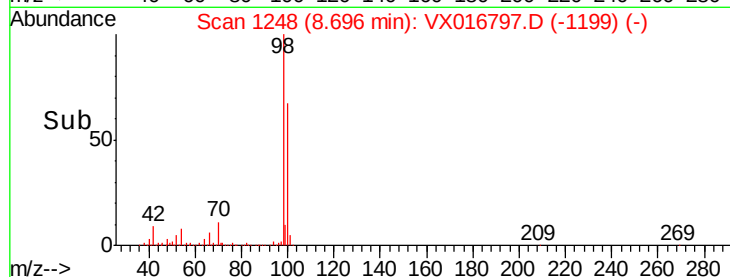
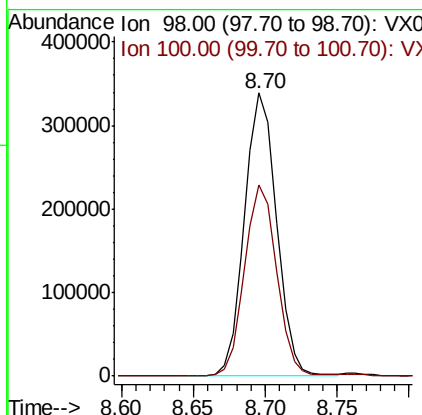
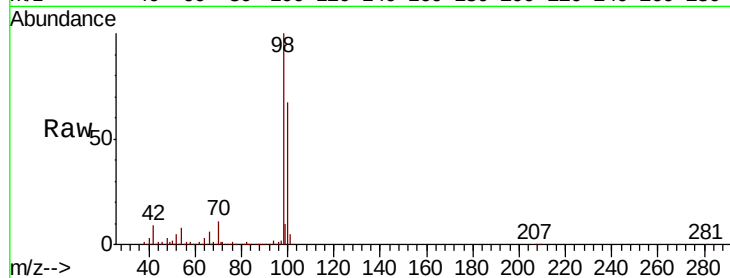




#50
Toluene-d8
Concen: 53.210 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016797.D
Acq: 16 Jun 2020 23:26

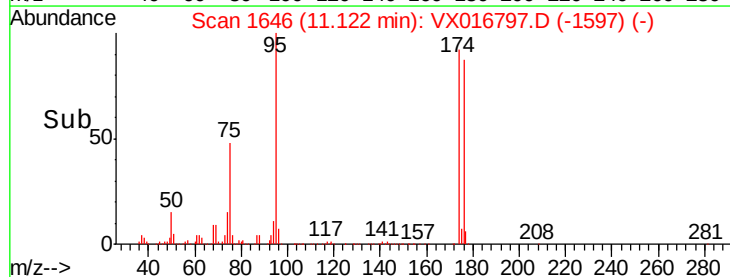
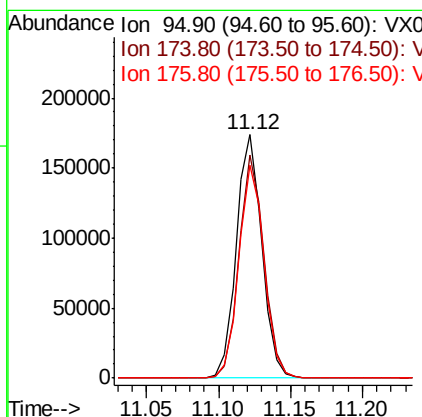
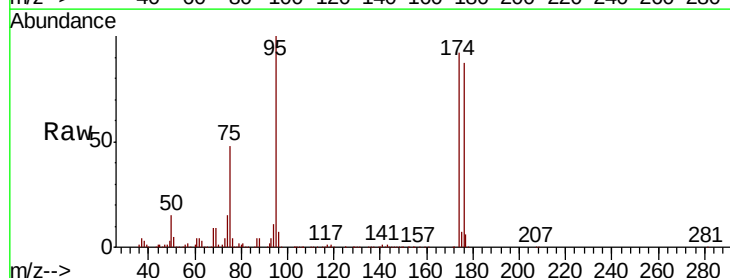
Instrument :
MSVOA_X
ClientSampleId :
VX0616WBL02

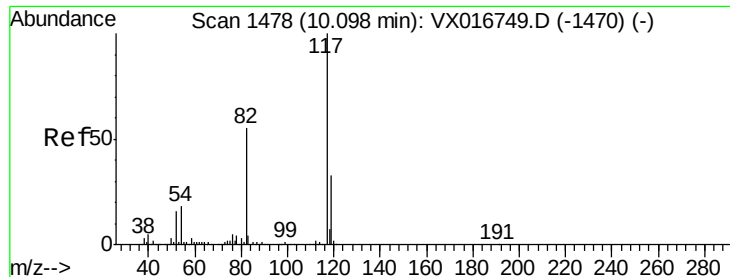
Tot Ion: 98 Resp: 523343
Ion Ratio Lower Upper
98 100
100 67.3 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 57.051 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016797.D
Acq: 16 Jun 2020 23:26

Tgt Ion: 95 Resp: 214627
Ion Ratio Lower Upper
95 100
174 89.4 0.0 171.0
176 86.5 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: VX016797.D

Acq: 16 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBL02

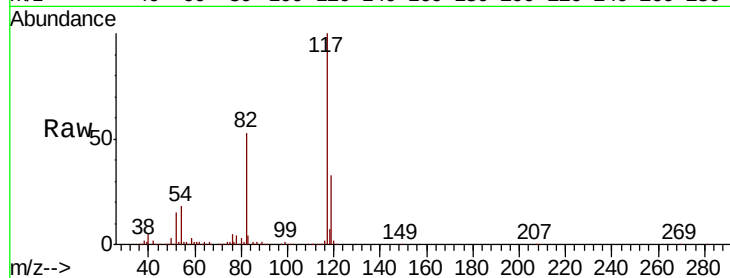
Tot Ion:117 Resp: 439222

Ion Ratio Lower Upper

117 100

82 53.1 43.8 65.6

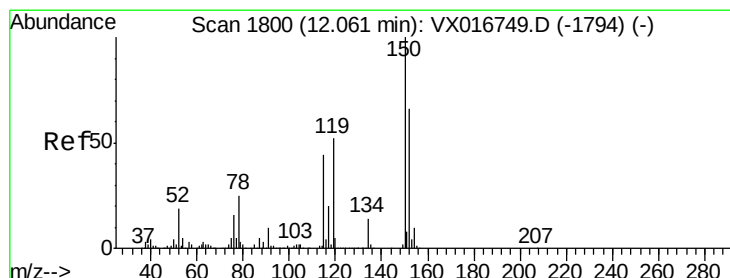
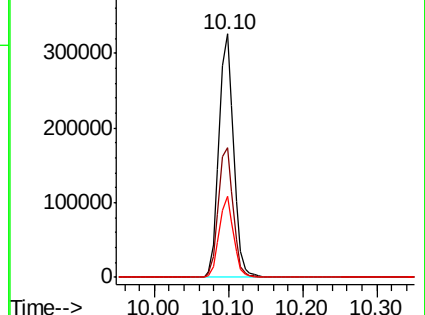
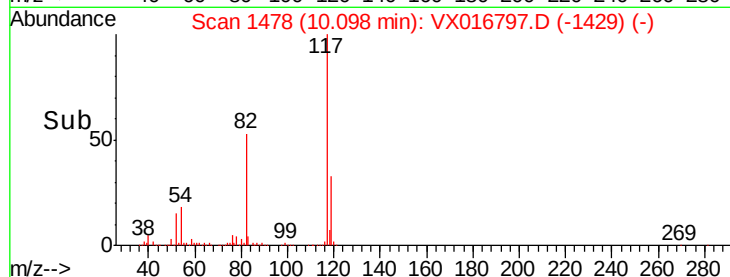
119 33.1 26.2 39.4



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: VX016797.D

Acq: 16 Jun 2020 23:26

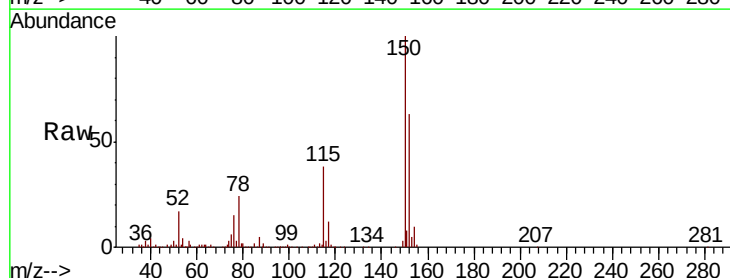
Tgt Ion:152 Resp: 226278

Ion Ratio Lower Upper

152 100

115 57.2 40.3 120.8

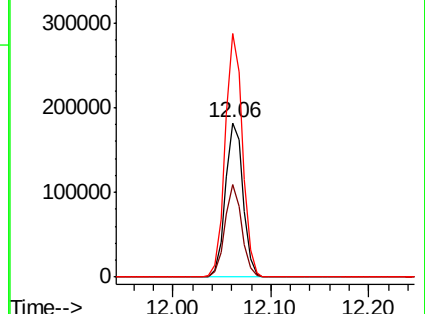
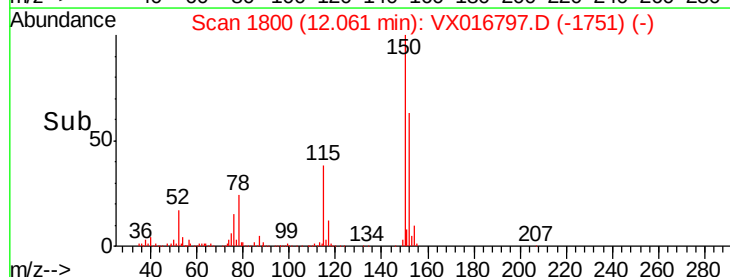
150 155.7 0.0 337.4

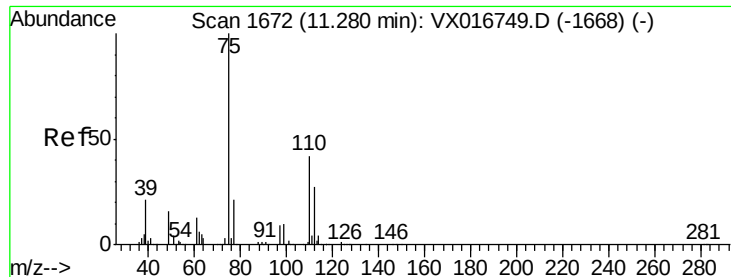


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.480 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

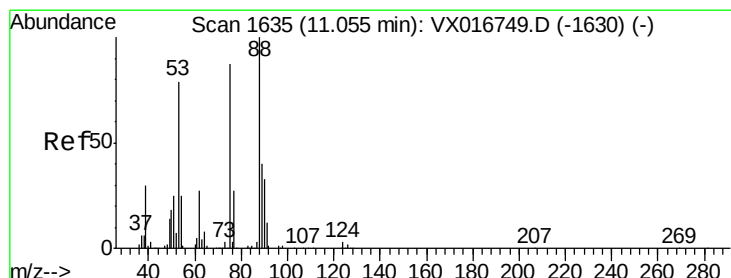
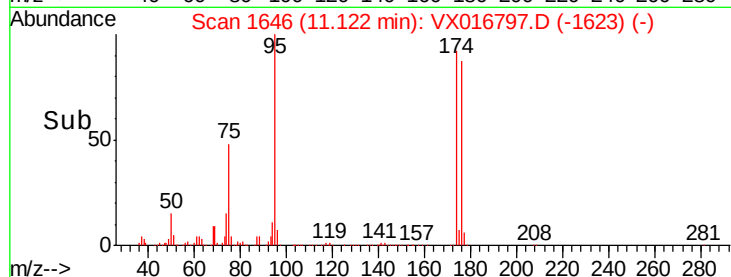
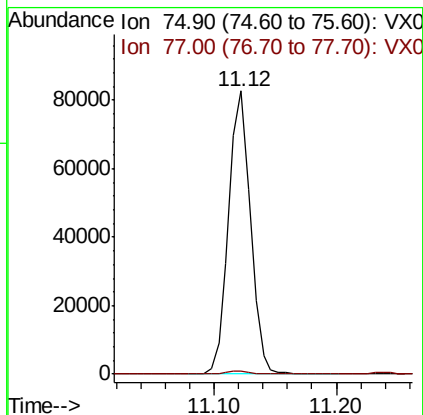
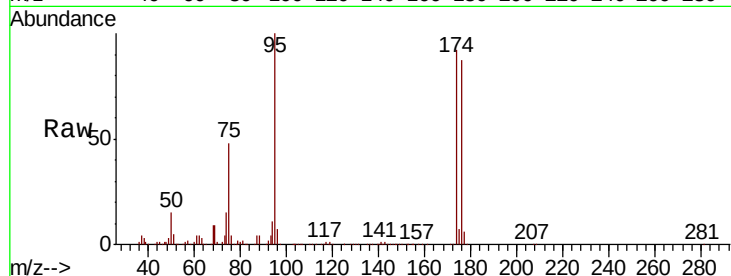
VX0616WBL02

Tot Ion: 75 Resp: 102215

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.076 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

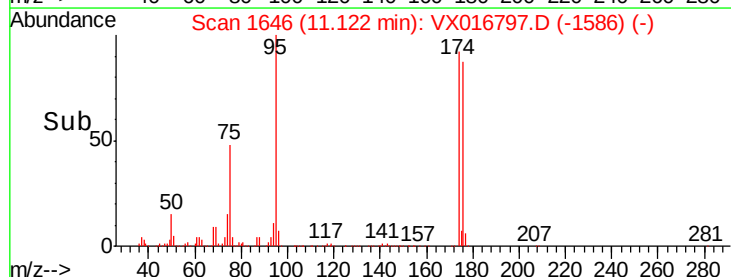
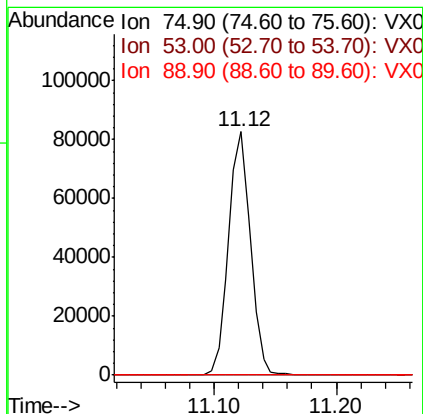
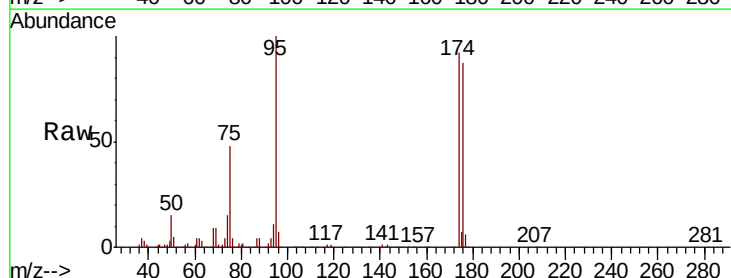
Tgt Ion: 75 Resp: 102215

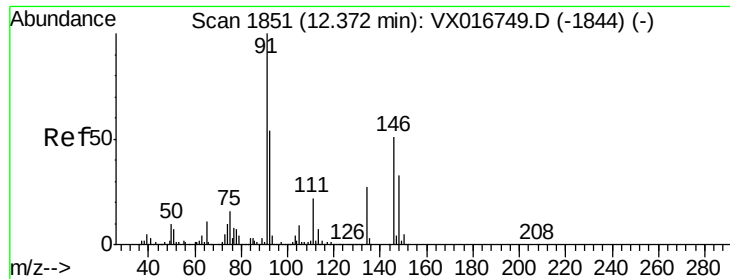
Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

89 0.0 39.1 58.7#

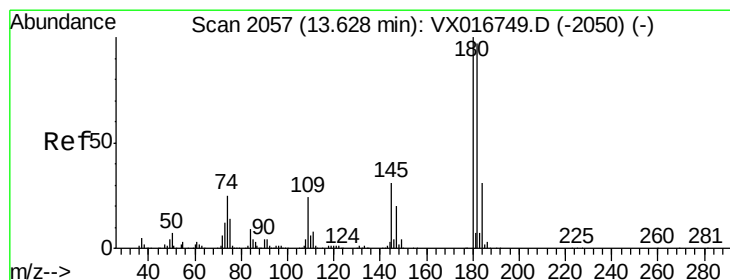
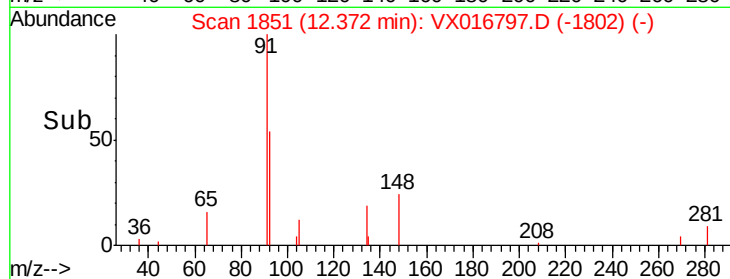
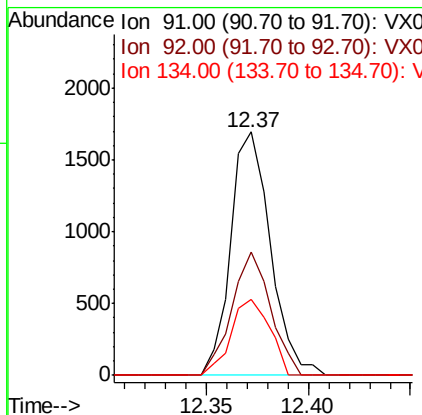
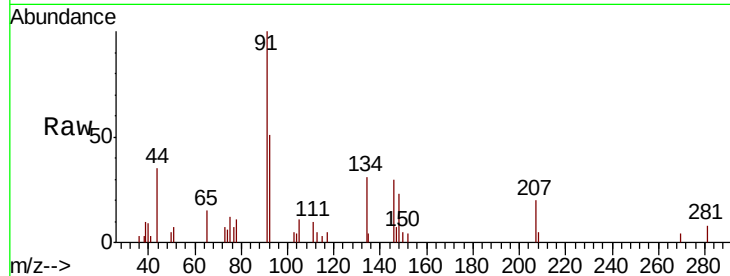




#89
n-Butylbenzene
Concen: 0.216 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016797.D
Acq: 16 Jun 2020 23:26

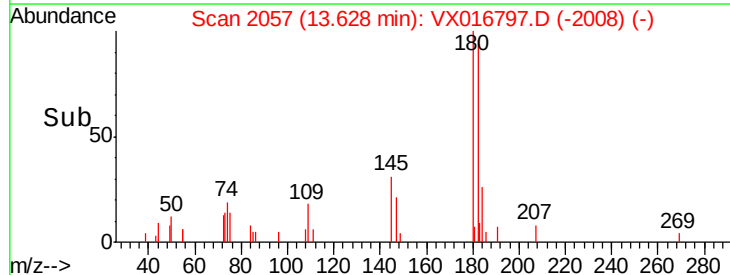
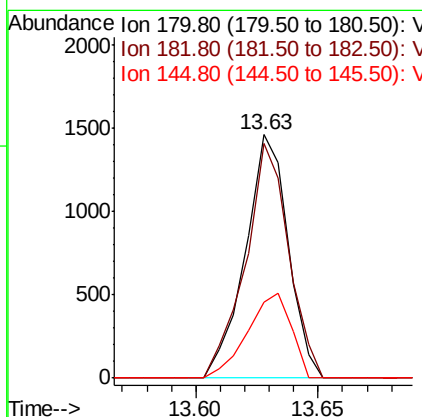
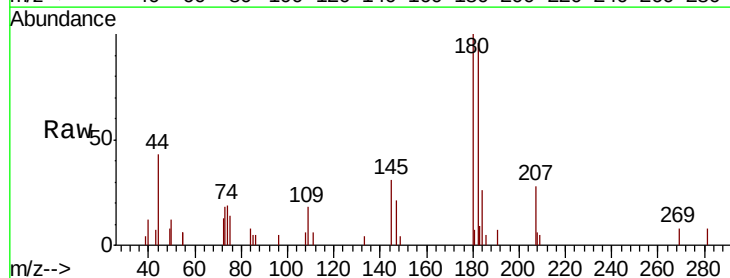
Instrument :
MSVOA_X
ClientSampled :
VX0616WBL02

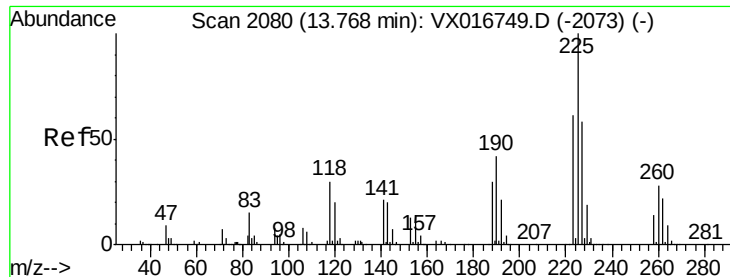
Tot Ion: 91 Resp: 2282
Ion Ratio Lower Upper
91 100
92 49.4 27.0 80.8
134 30.4 13.7 41.0



#93
1,2,4-Trichlorobenzene
Concen: 0.358 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX016797.D
Acq: 16 Jun 2020 23:26

Tgt Ion: 180 Resp: 1779
Ion Ratio Lower Upper
180 100
182 97.0 48.6 145.8
145 35.1 15.4 46.4





#94

Hexachlorobutadiene

Concen: 0.939 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

Instrument :

MSVOA_X

ClientSampled :

VX0616WBL02

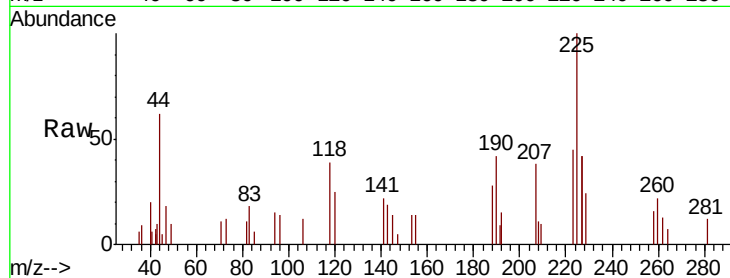
Tot Ion:225 Resp: 1158

Ion Ratio Lower Upper

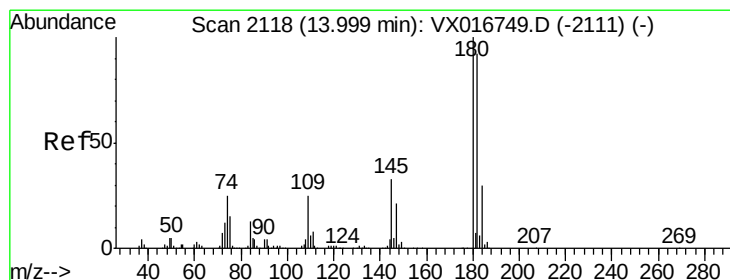
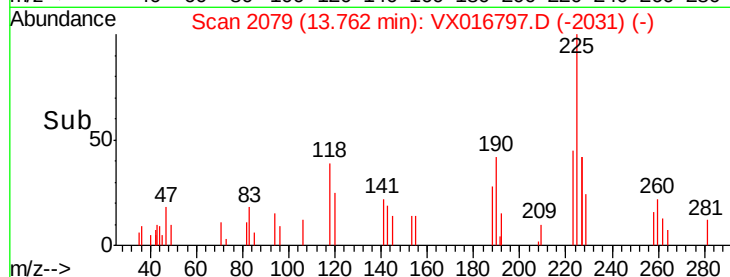
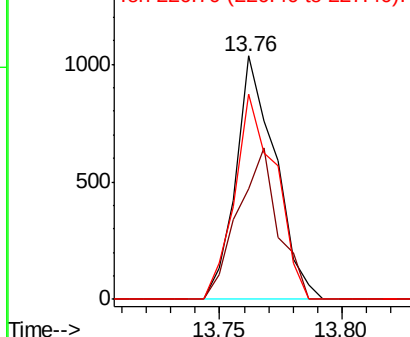
225 100

223 63.8 31.1 93.5

227 87.3 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.345 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016797.D

Acq: 16 Jun 2020 23:26

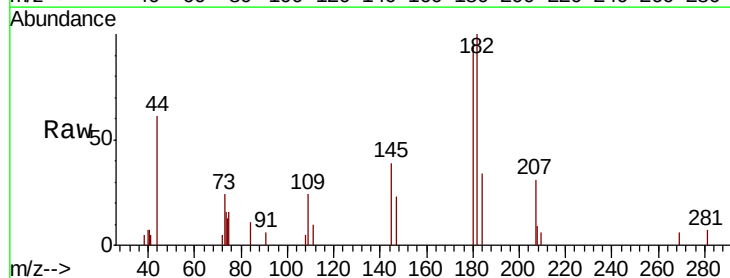
Tgt Ion:180 Resp: 1685

Ion Ratio Lower Upper

180 100

182 94.8 47.1 141.4

145 34.0 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

