

Data File : VX017281.D
Acq On : 09 Jul 2020 01:18
Operator : JC/SP
Sample : L3235-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Quant Time: Jul 09 05:02:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	49393	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	247975	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	238418	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	109472	28.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.93%
60) 4-Bromofluorobenzene	11.12	95	108381	27.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.87%
63) Toluene-d8	8.70	98	295304	28.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.67%

Target Compounds

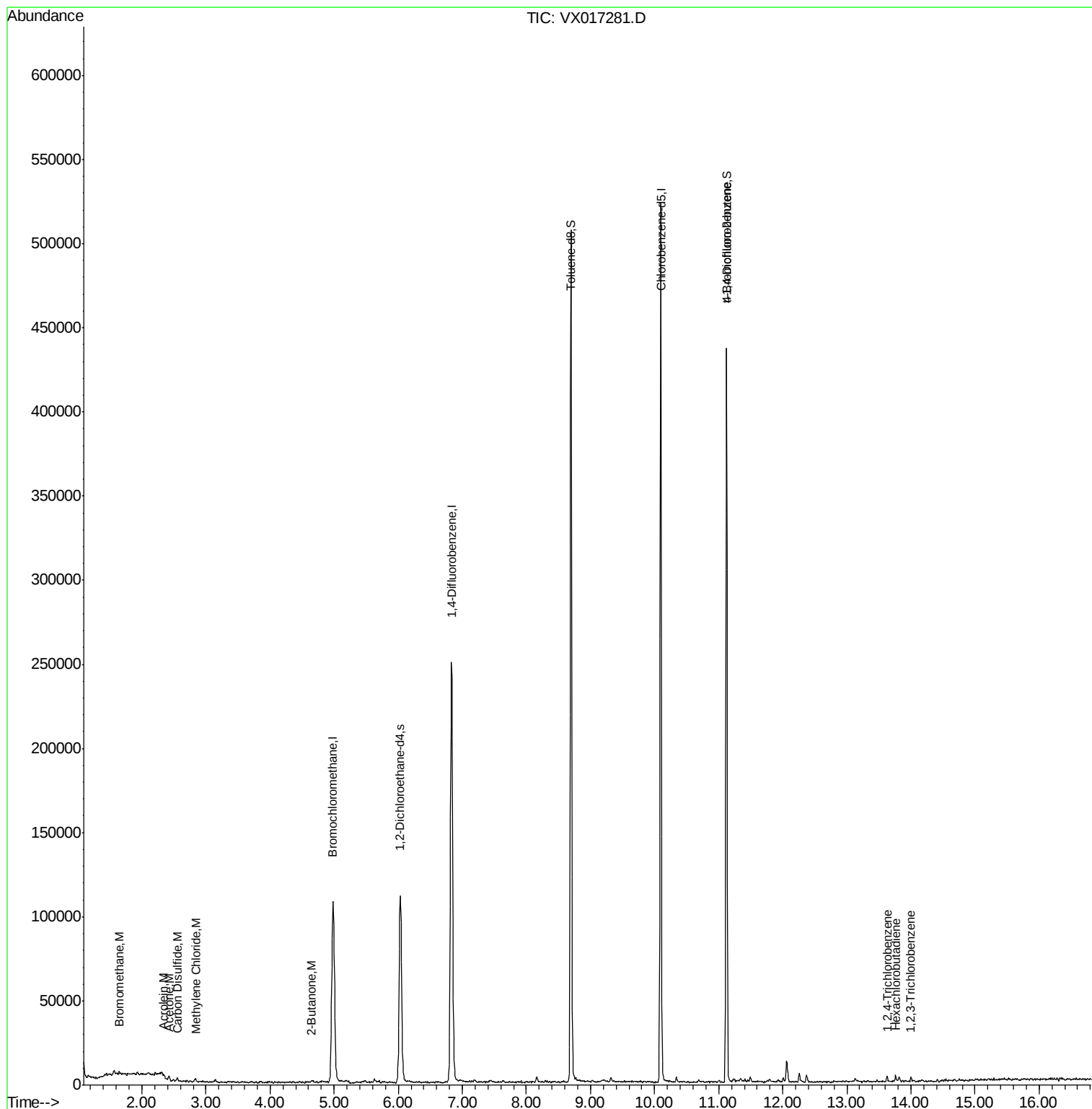
					Qvalue	
5) Bromomethane	1.64	94	534	0.223	ug/l	94
13) Acrolein	2.35	56	135	0.240	ug/l	96
15) Acetone	2.42	58	753	1.722	ug/l #	37
16) Carbon Disulfide	2.56	76	1852	0.208	ug/l	99
18) Methylene Chloride	2.84	84	833	0.245	ug/l #	61
30) 2-Butanone	4.65	43	446	0.212	ug/l #	56
77) t-1,4-Dichloro-2-butene	11.12	75	52713	31.030	ug/l #	12
89) 1,2,4-Trichlorobenzene	13.63	180	891	0.220	ug/l	87
90) Hexachlorobutadiene	13.76	225	370	0.240	ug/l	61
92) 1,2,3-Trichlorobenzene	14.00	180	807	0.204	ug/l	81

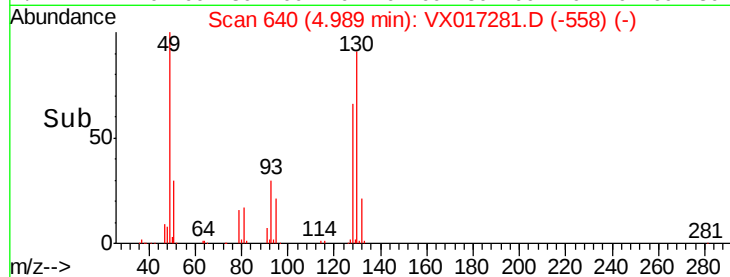
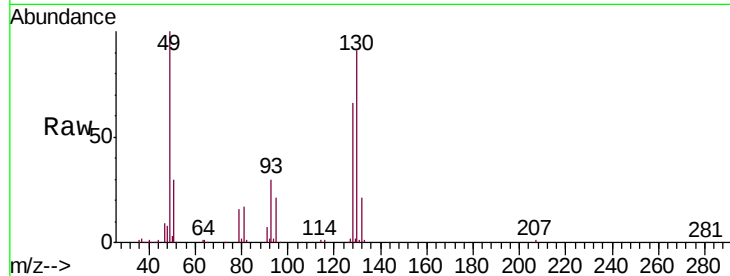
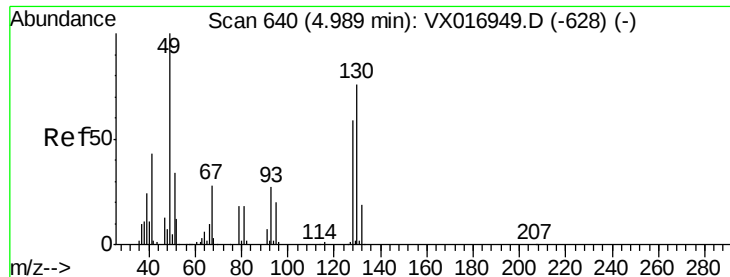
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX017281.D

Acq: 09 Jul 2020 01:18

Instrument :

MSVOA_X

ClientSampleId :

IBLK

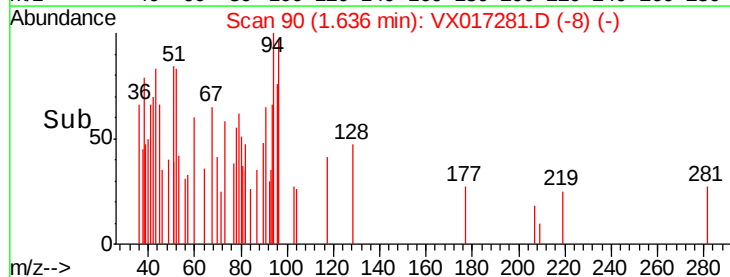
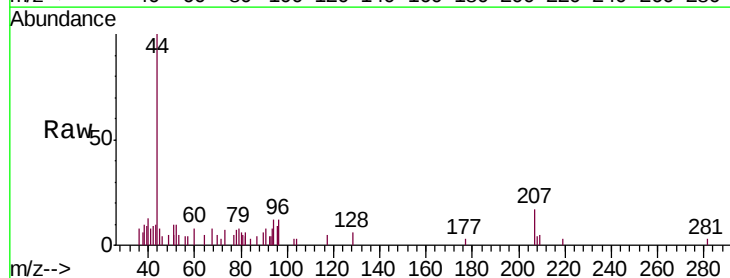
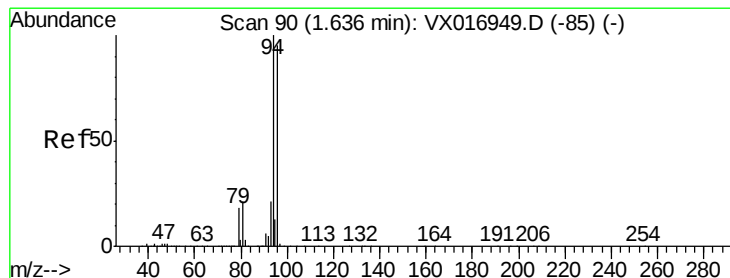
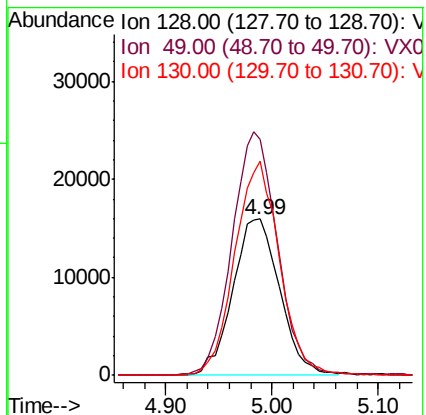
Tgt Ion:128 Resp: 49393

Ion Ratio Lower Upper

128 100

49 150.4 0.0 428.0

130 130.0 0.0 318.0



#5

Bromomethane

Concen: 0.223 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX017281.D

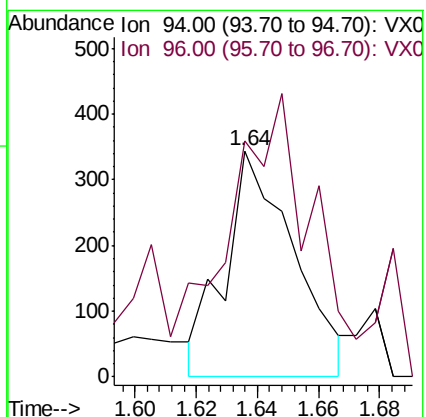
Acq: 09 Jul 2020 01:18

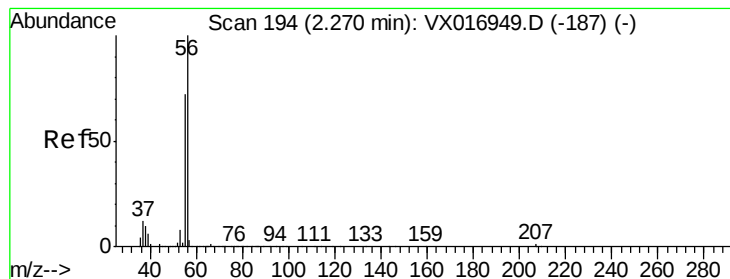
Tgt Ion: 94 Resp: 534

Ion Ratio Lower Upper

94 100

96 89.0 75.5 113.3





#13

Acrolein

Concen: 0.240 ug/l

RT: 2.35 min Scan# 207

Delta R.T. 0.08 min

Lab File: VX017281.D

Acq: 09 Jul 2020 01:18

Instrument :

MSVOA_X

ClientSampled :

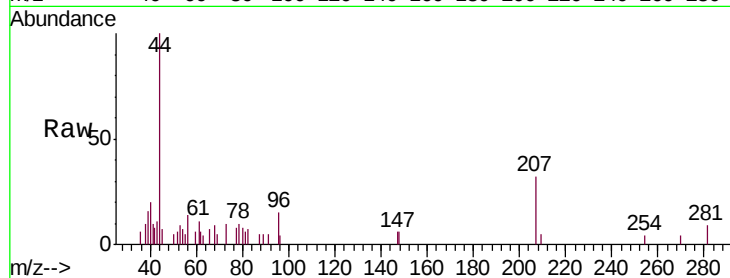
IBLK

Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

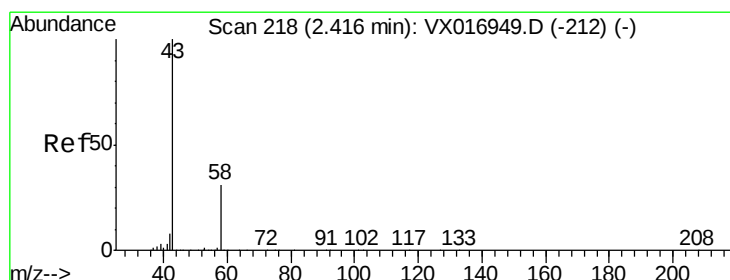
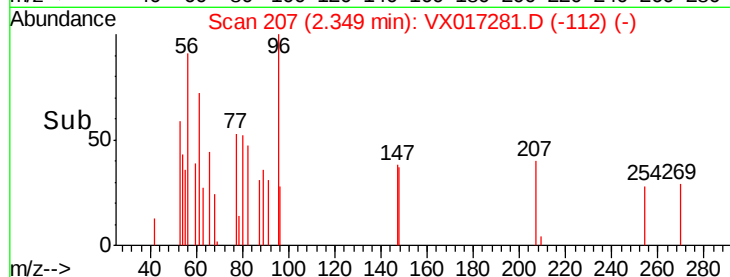
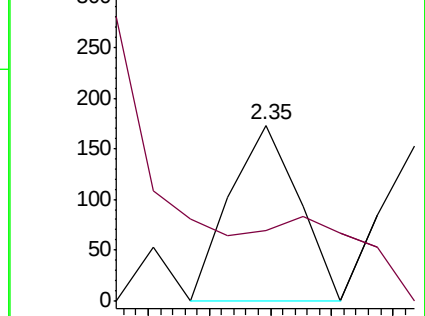
56 100

55 73.3 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acetone

Concen: 1.722 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX017281.D

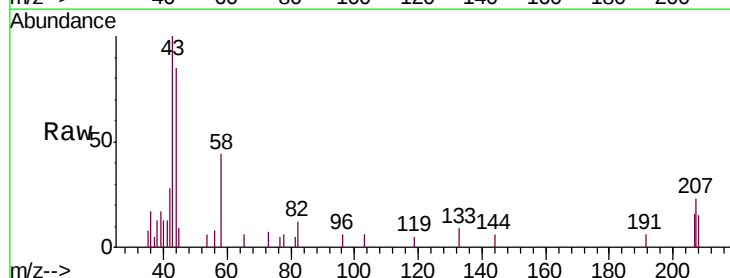
Acq: 09 Jul 2020 01:18

Tgt Ion: 58 Resp: 753

Ion Ratio Lower Upper

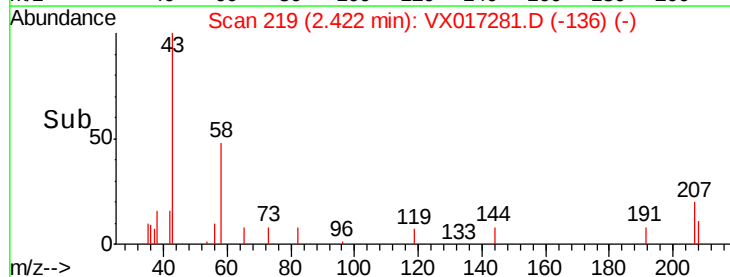
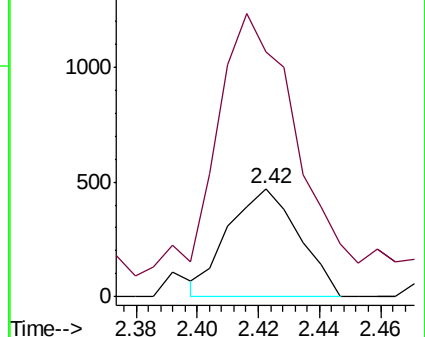
58 100

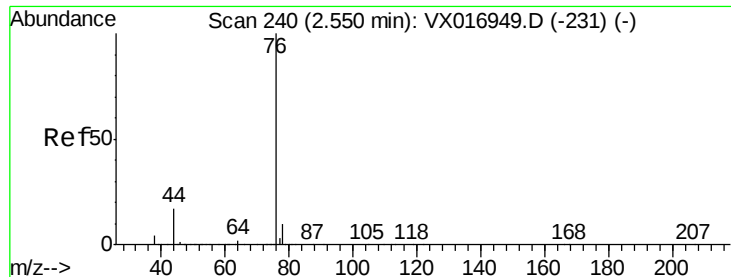
43 193.2 257.6 386.4#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

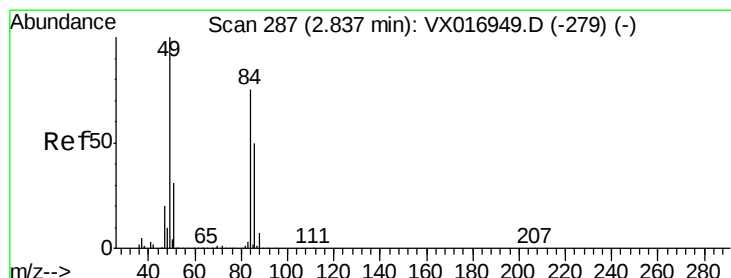
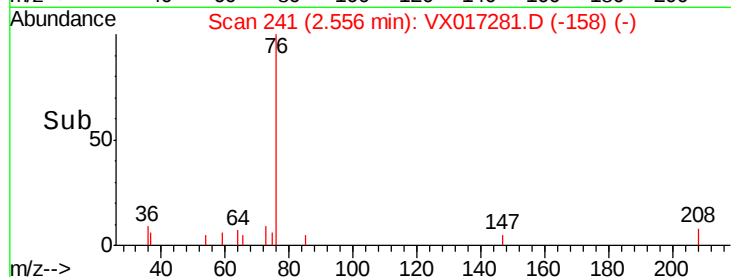
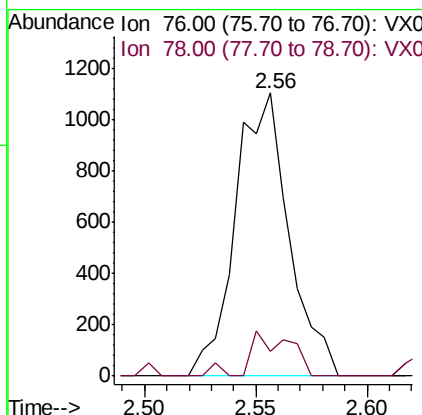
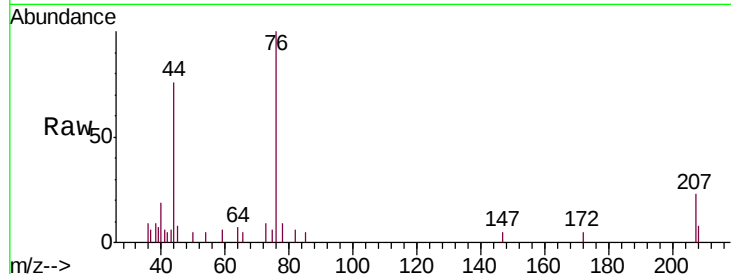




#16
Carbon Disulfide
Concen: 0.208 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX017281.D
Acq: 09 Jul 2020 01:18

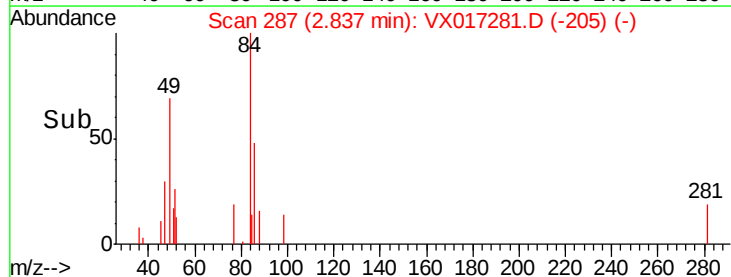
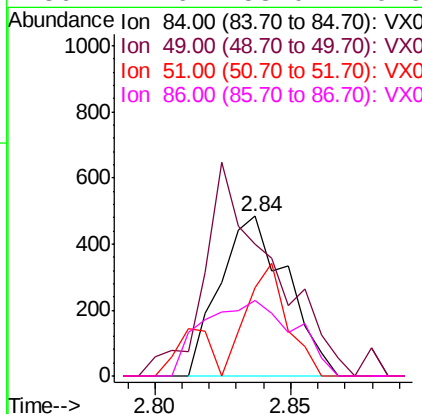
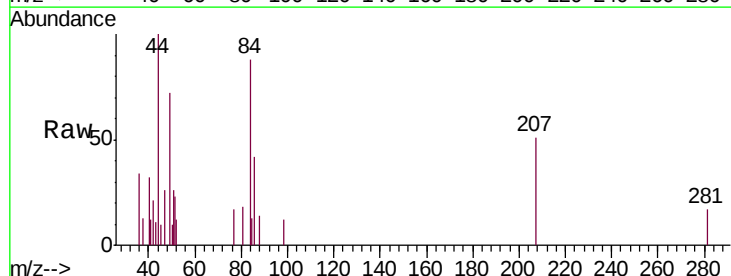
Instrument :
MSVOA_X
ClientSampled :
IBLK

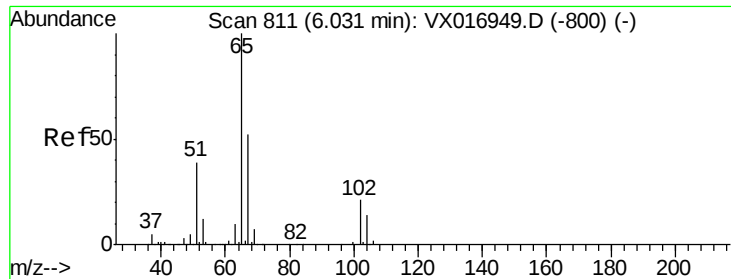
Tgt Ion: 76 Resp: 1852
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4



#18
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017281.D
Acq: 09 Jul 2020 01:18

Tgt Ion: 84 Resp: 833
Ion Ratio Lower Upper
84 100
49 71.2 106.6 159.8#
51 55.3 32.7 49.1#
86 47.6 53.0 79.6#





#27

1,2-Dichloroethane-d4

Concen: 28.475 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017281.D

Acq: 09 Jul 2020 01:18

Instrument :

MSVOA_X

ClientSampleId :

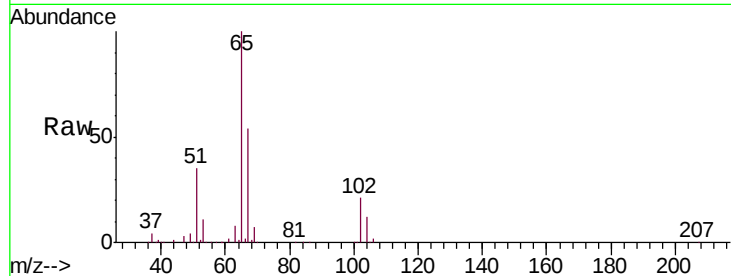
IBLK

Tgt Ion: 65 Resp: 109472

Ion Ratio Lower Upper

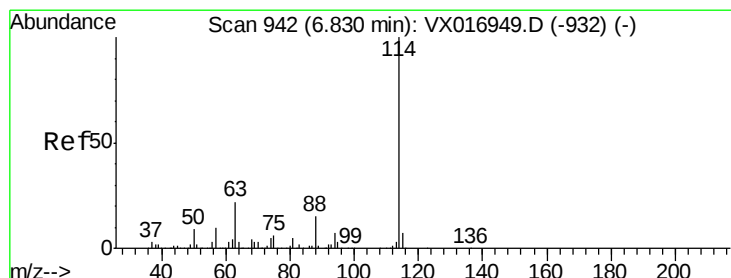
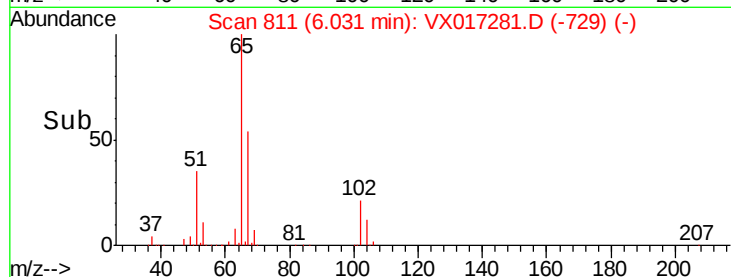
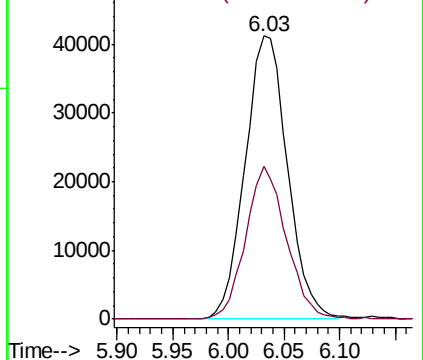
65 100

67 51.7 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017281.D

Acq: 09 Jul 2020 01:18

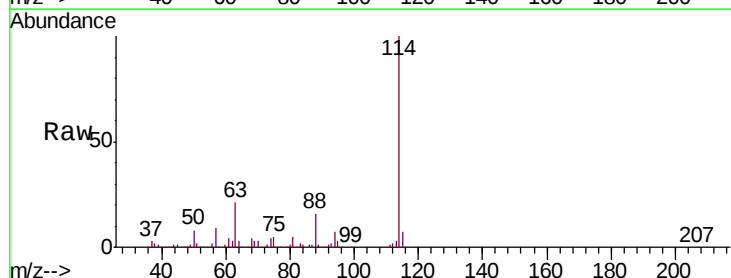
Tgt Ion: 114 Resp: 247975

Ion Ratio Lower Upper

114 100

63 20.3 17.4 26.2

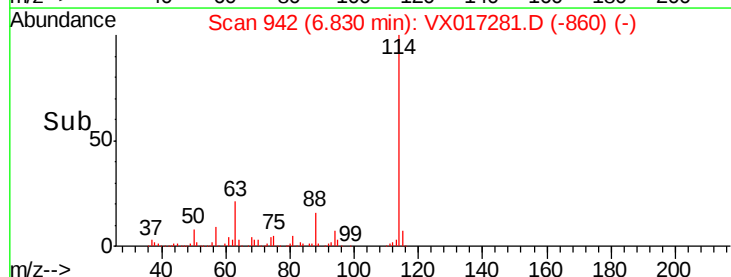
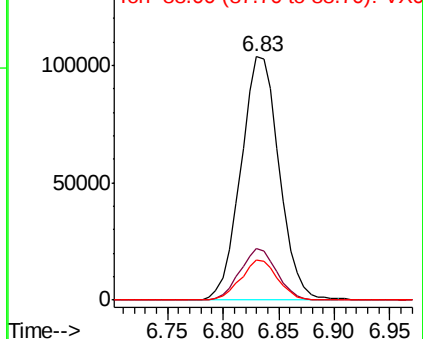
88 15.9 13.0 19.6

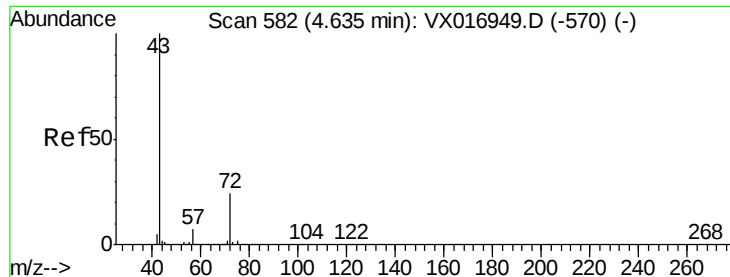


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

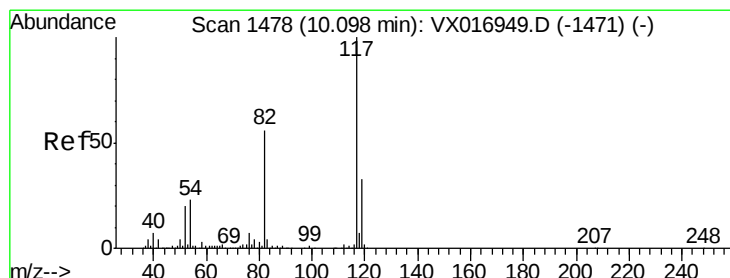
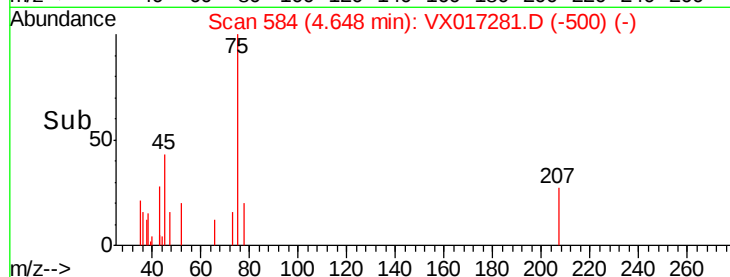
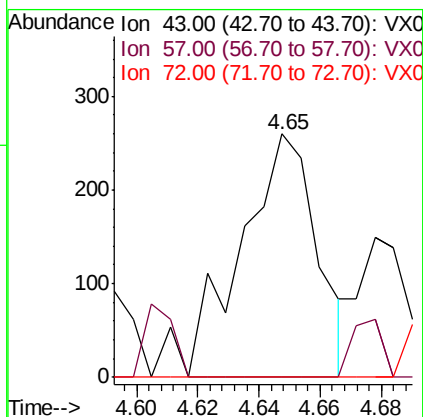
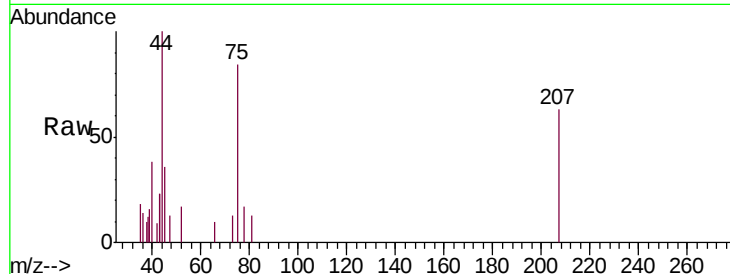




#30
2-Butanone
Concen: 0.212 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017281.D
Acq: 09 Jul 2020 01:18

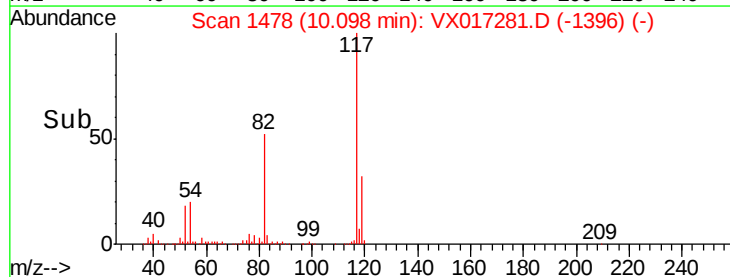
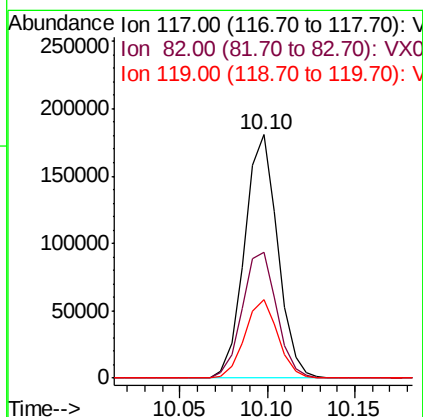
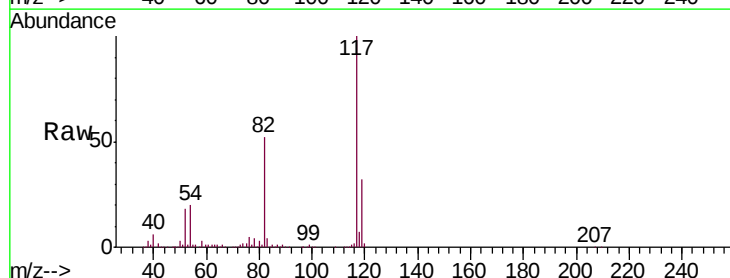
Instrument :
MSVOA_X
ClientSampleId :
IBLK

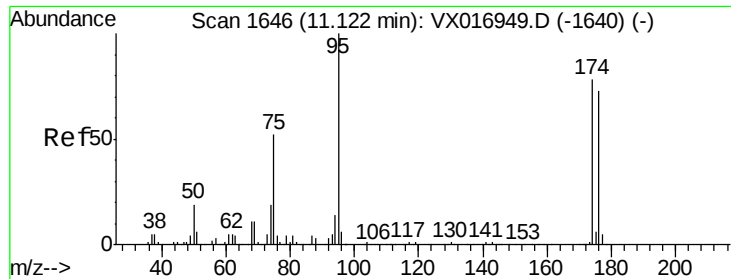
Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.4#
72 0.0 20.6 31.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017281.D
Acq: 09 Jul 2020 01:18

Tgt Ion: 117 Resp: 238418
Ion Ratio Lower Upper
117 100
82 53.7 44.9 67.3
119 32.1 25.8 38.8

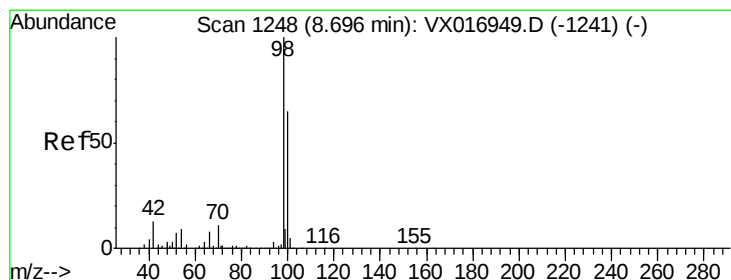
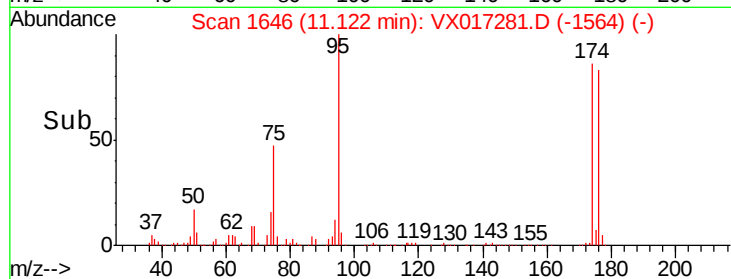
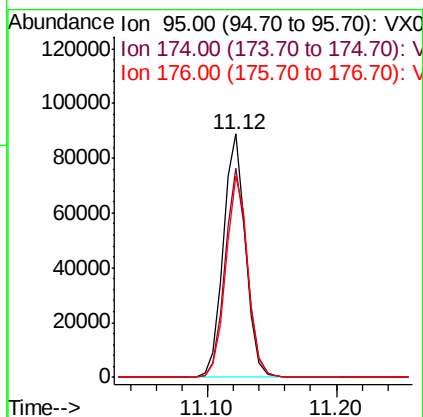
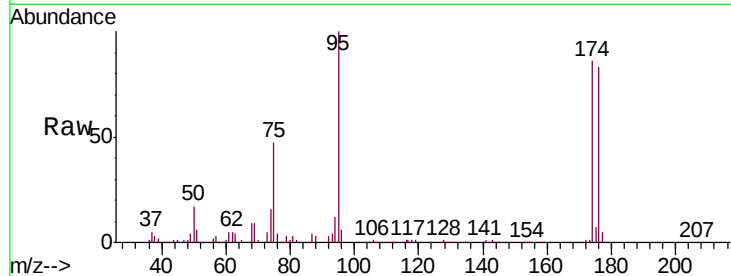




#60
4-Bromofluorobenzene
Concen: 27.258 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017281.D
Acq: 09 Jul 2020 01:18

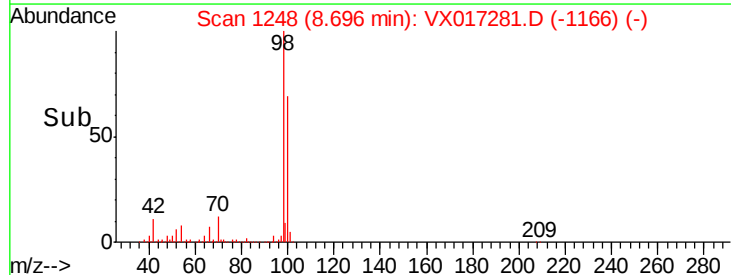
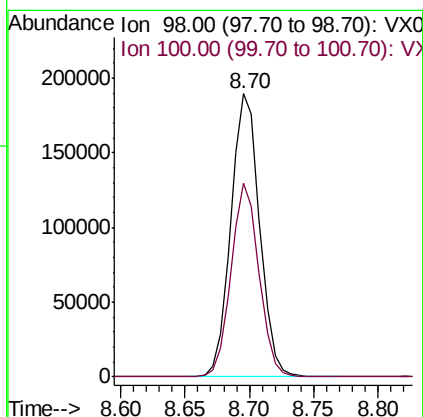
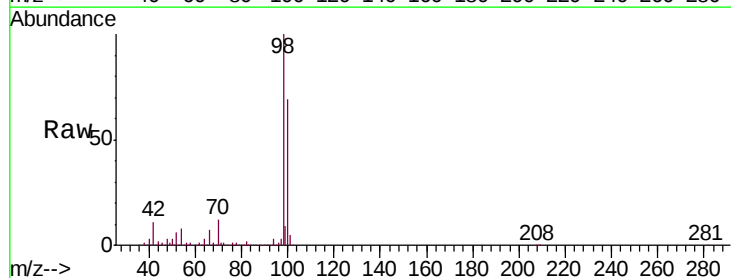
Instrument :
MSVOA_X
ClientSampleId :
IBLK

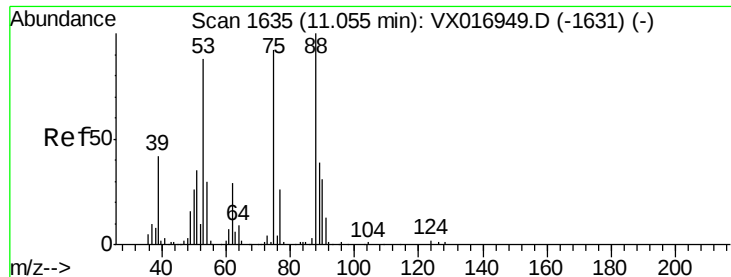
Tgt Ion: 95 Resp: 108381
Ion Ratio Lower Upper
95 100
174 85.2 62.2 93.4
176 82.3 58.9 88.3



#63
Toluene-d8
Concen: 28.098 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017281.D
Acq: 09 Jul 2020 01:18

Tgt Ion: 98 Resp: 295304
Ion Ratio Lower Upper
98 100
100 66.2 52.3 78.5





#77

t-1,4-Dichloro-2-butene

Concen: 31.030 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017281.D

Acq: 09 Jul 2020 01:18

Instrument :

MSVOA_X

ClientSampled :

IBLK

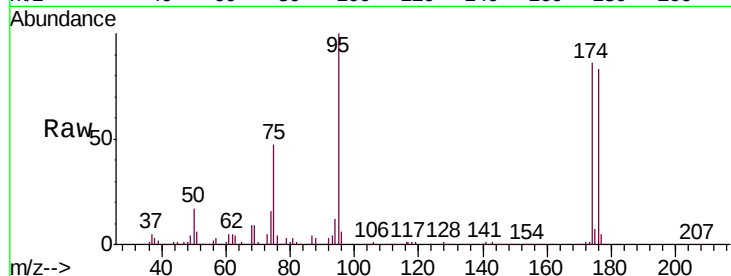
Tgt Ion: 75 Resp: 52713

Ion Ratio Lower Upper

75 100

53 0.5 47.6 142.9#

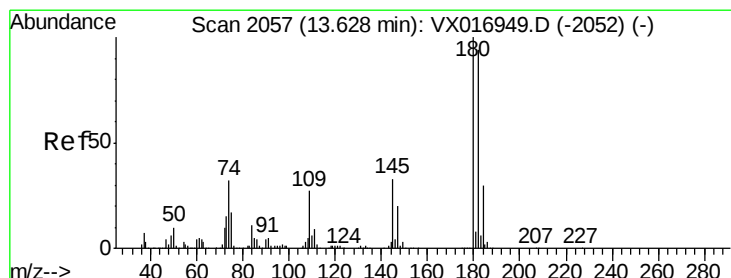
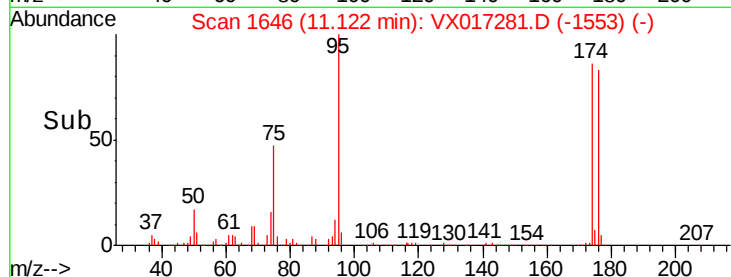
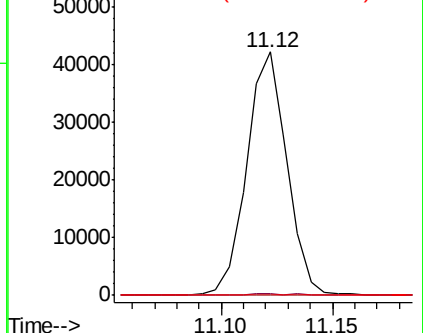
89 0.0 21.1 63.4#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#89

1,2,4-Trichlorobenzene

Concen: 0.220 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX017281.D

Acq: 09 Jul 2020 01:18

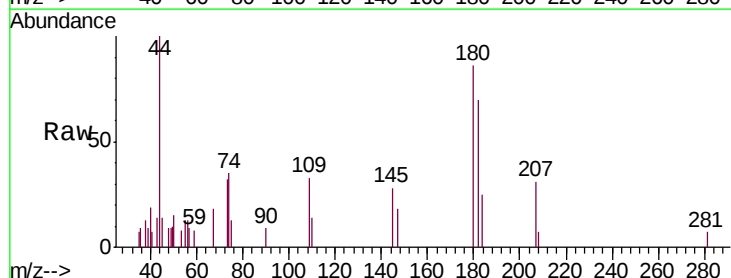
Tgt Ion: 180 Resp: 891

Ion Ratio Lower Upper

180 100

182 82.4 77.7 116.5

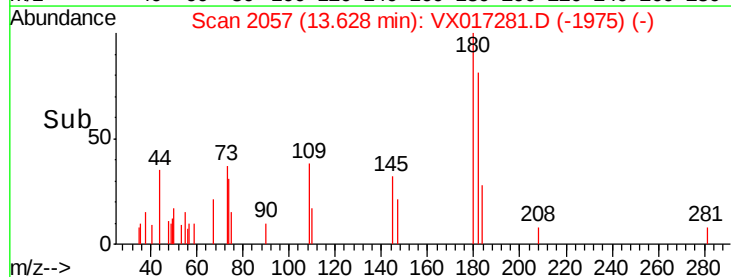
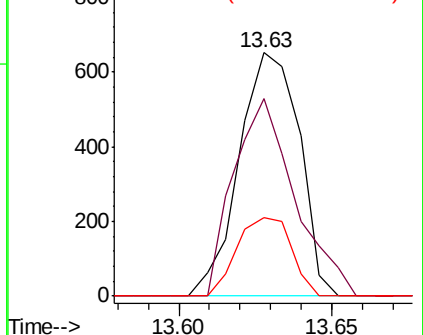
145 29.1 26.2 39.2

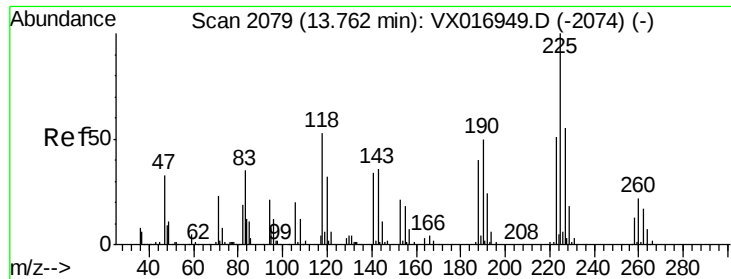


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

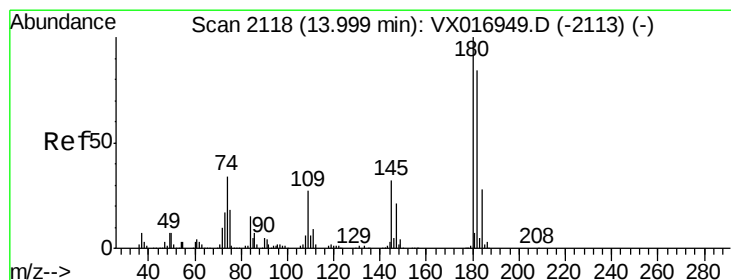
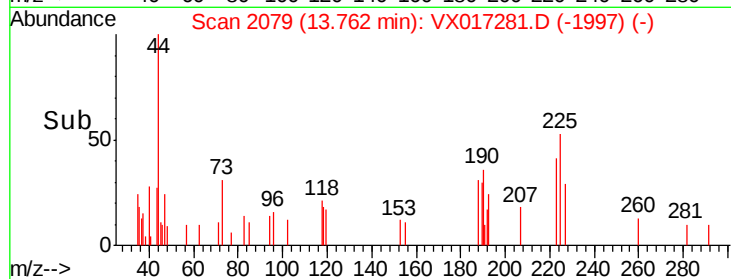
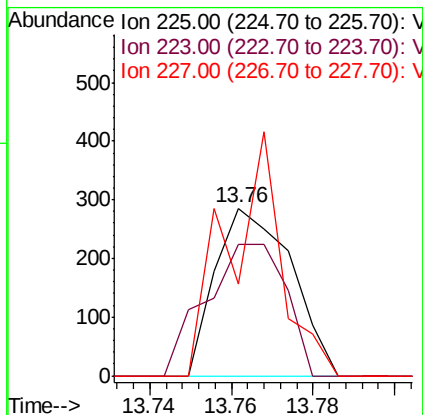
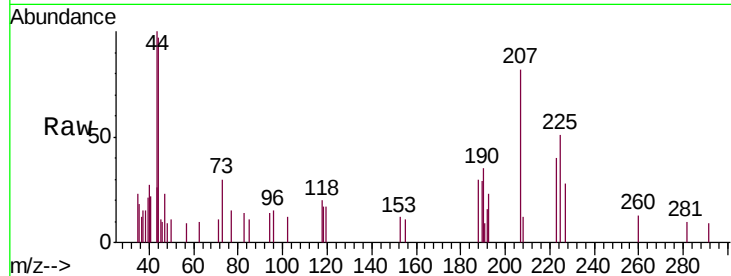




#90
Hexachlorobutadiene
Concen: 0.240 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX017281.D
Acq: 09 Jul 2020 01:18

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tgt Ion: 225 Resp: 370
Ion Ratio Lower Upper
225 100
223 83.0 0.0 125.0
227 101.4 0.0 124.0



#92
1,2,3-Trichlorobenzene
Concen: 0.204 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017281.D
Acq: 09 Jul 2020 01:18

Tgt Ion: 180 Resp: 807
Ion Ratio Lower Upper
180 100
182 80.7 0.0 184.8
145 12.8 0.0 68.0

