

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019239.D
 Acq On : 03 Nov 2020 17:48
 Operator : JC/MD
 Sample : PB132785TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132785TB

Quant Time: Nov 04 02:23:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	320200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	561943	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	547153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	280795	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	212138	51.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.74%	
35) Dibromofluoromethane	5.46	113	171190	48.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.00%	
50) Toluene-d8	8.70	98	709470	53.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	11.12	95	276124	54.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.60%	

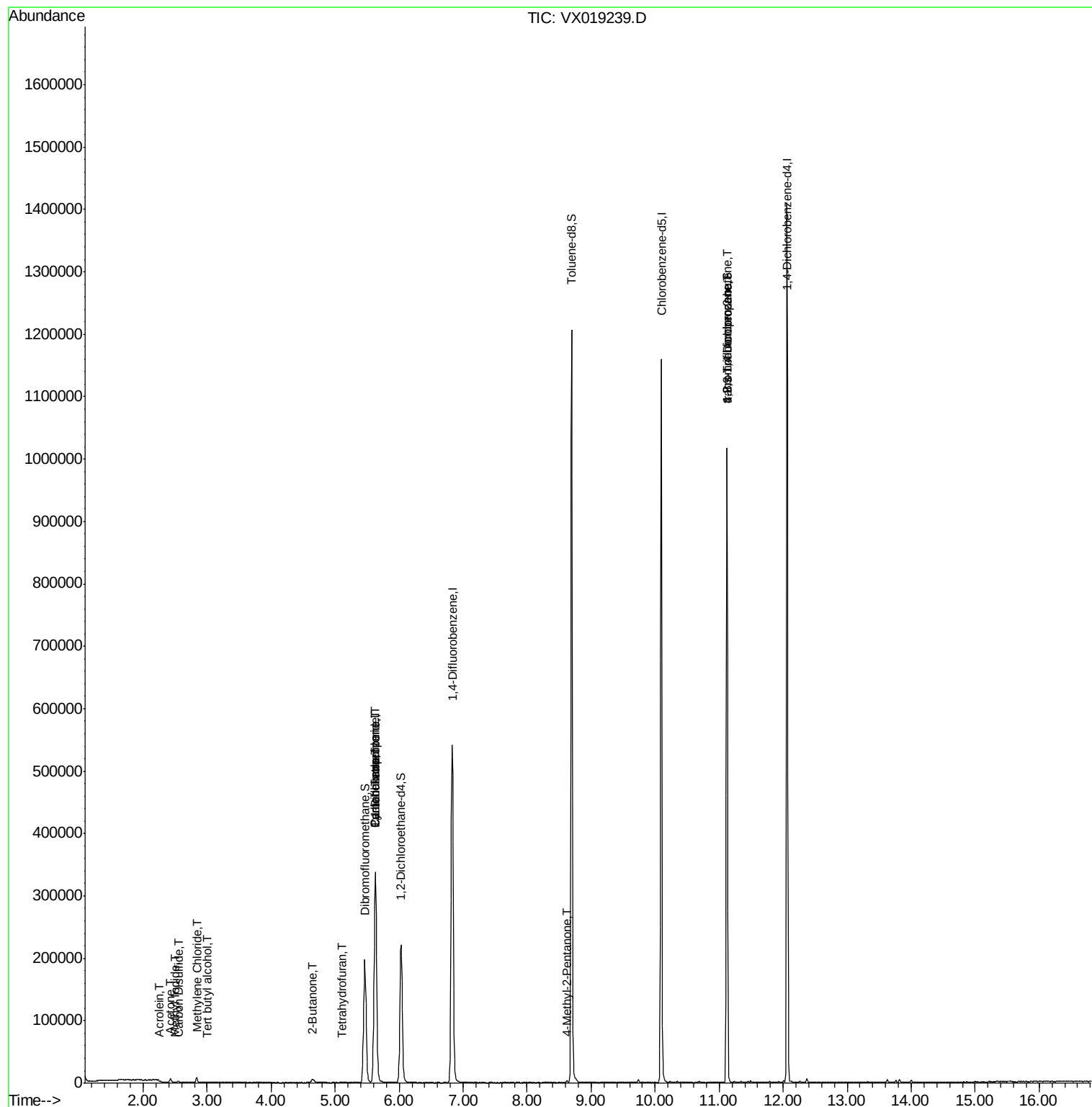
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	635	6.534	ug/l #	94
11) Tert butyl alcohol	2.99	59	673	0.825	ug/l #	72
13) Acrolein	2.26	56	22	5.707	ug/l #	16
16) Acetone	2.43	43	6326	4.441	ug/l	90
17) Carbon Disulfide	2.56	76	1780	0.958	ug/l #	91
20) Methylene Chloride	2.84	84	3733	1.044	ug/l	97
25) 2-Butanone	4.65	43	1616	0.720	ug/l #	89
29) Tetrahydrofuran	5.10	42	1241	0.877	ug/l #	60
31) Cyclohexane	5.62	56	6935	1.329	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	26993	5.202	ug/l #	49
38) Carbon Tetrachloride	5.63	117	33355	6.306	ug/l #	18
51) 4-Methyl-2-Pentanone	8.62	43	1820	0.393	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	142312	24.546	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	142312	64.629	ug/l #	12

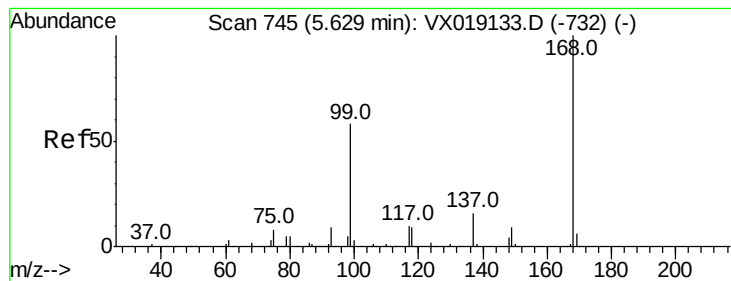
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 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: VX019239.D

Acq: 03 Nov 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

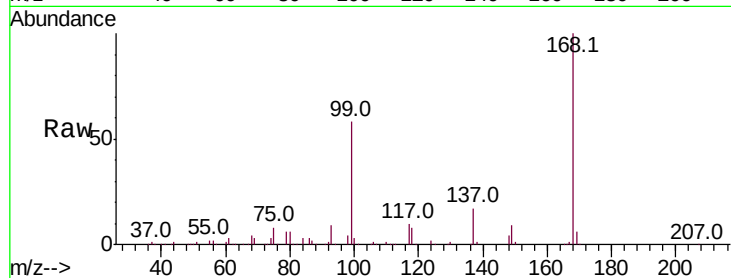
PB132785TB

Tot Ion:168 Resp: 320200

Ion Ratio Lower Upper

168 100

99 57.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

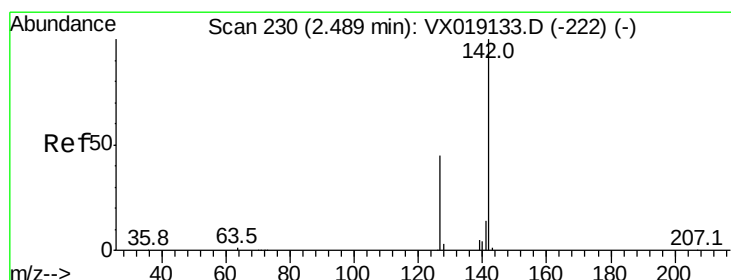
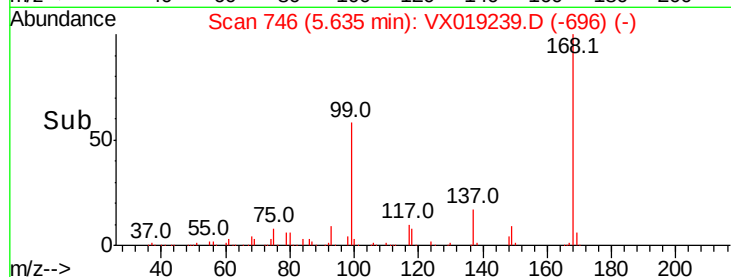
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.534 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

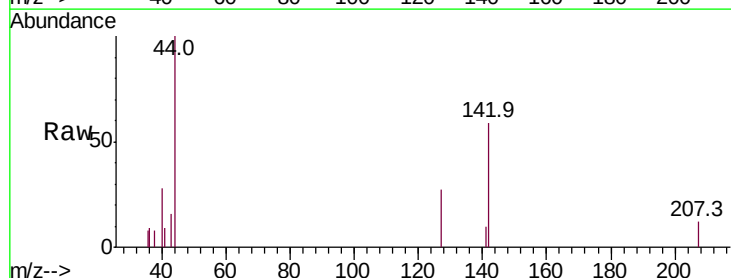
Tgt Ion:142 Resp: 635

Ion Ratio Lower Upper

142 100

127 43.1 36.1 54.1

141 7.7 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

500

400

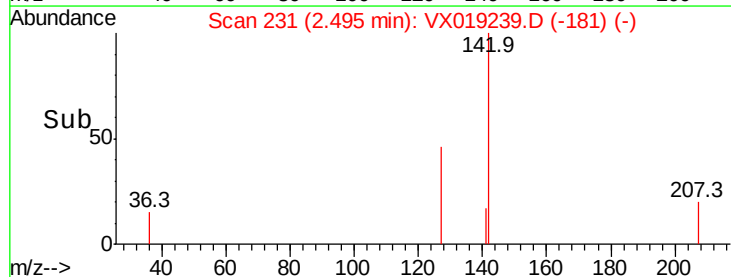
300

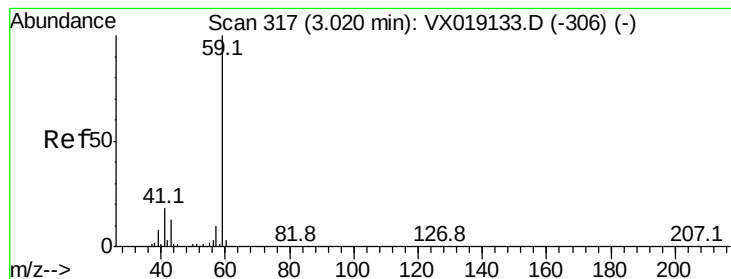
200

100

0

Time-->



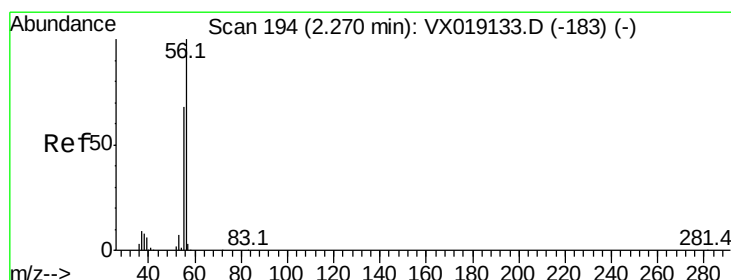
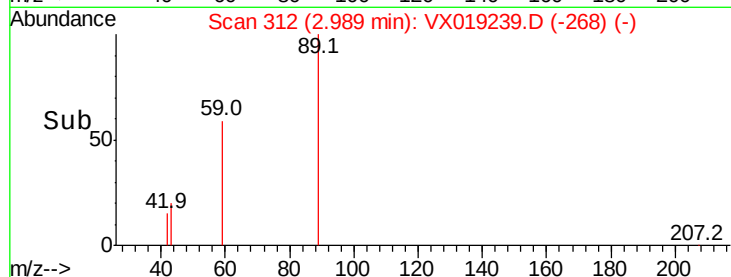
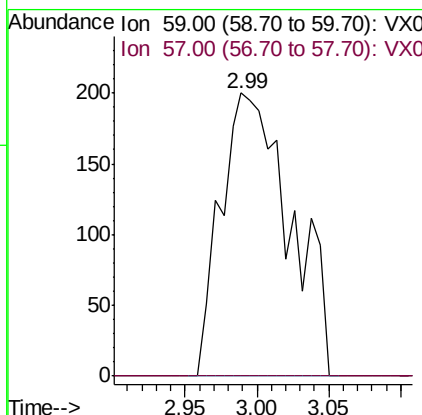
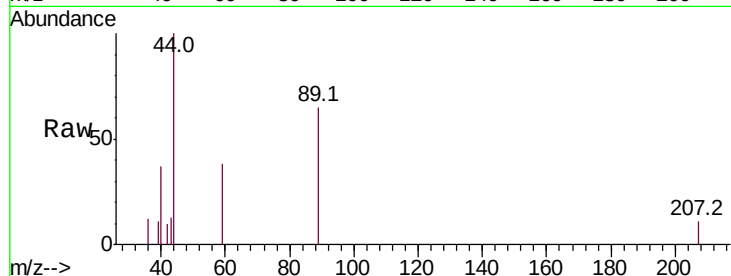


#11

Tert butyl alcohol
Concen: 0.825 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX019239.D
Acq: 03 Nov 2020 17:48

Instrument :
MSVOA_X
ClientSampleId :
PB132785TB

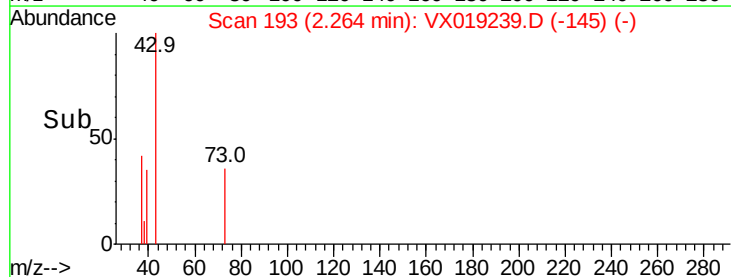
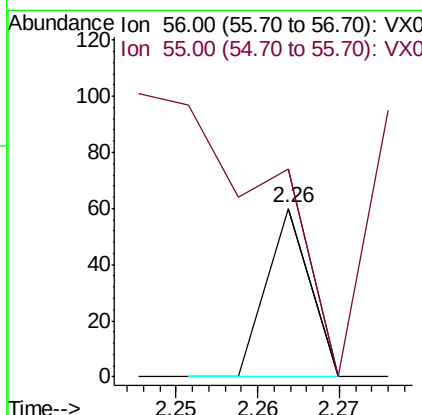
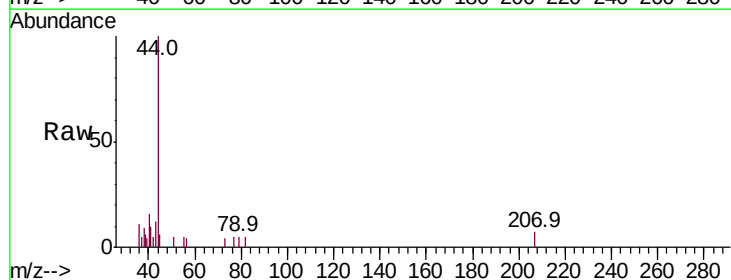
Tot Ion: 59 Resp: 673
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

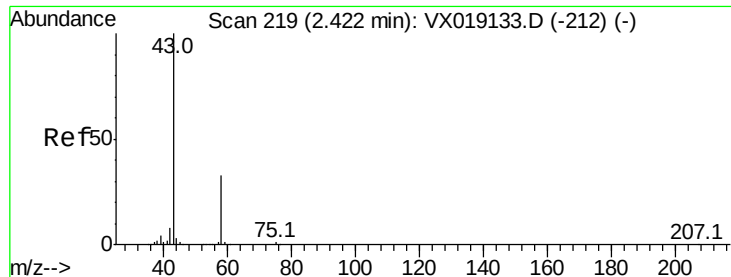


#13

Acrolein
Concen: 5.707 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX019239.D
Acq: 03 Nov 2020 17:48

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#





#16

Acetone

Concen: 4.441 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

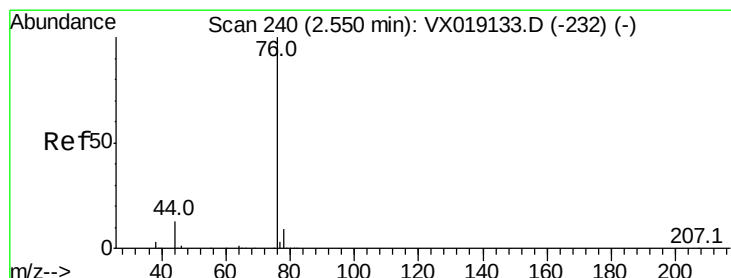
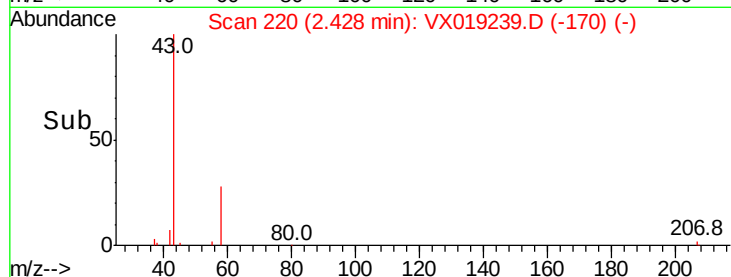
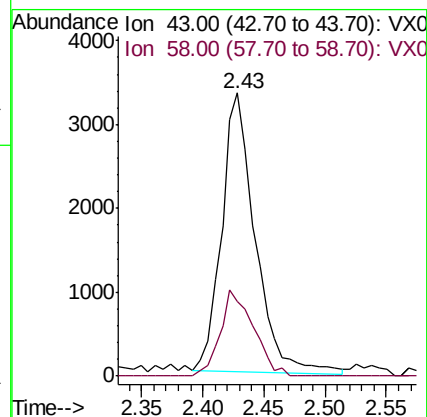
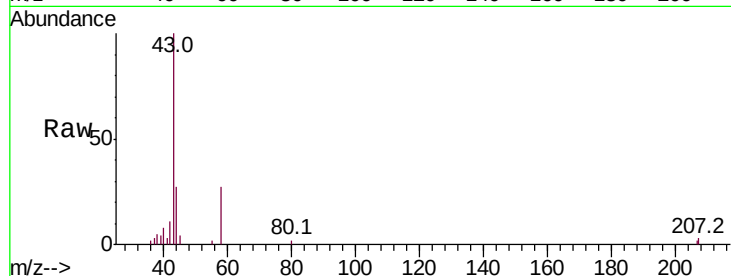
PB132785TB

Tot Ion: 43 Resp: 6326

Ion Ratio Lower Upper

43 100

58 27.1 26.3 39.5



#17

Carbon Disulfide

Concen: 0.958 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019239.D

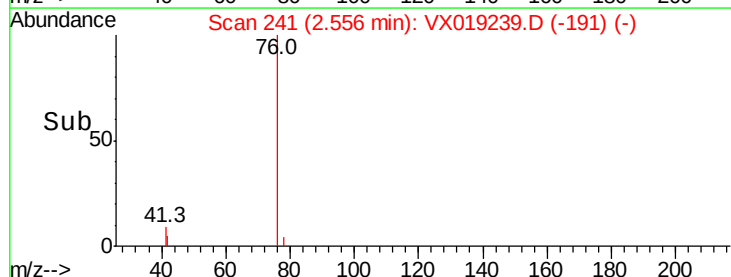
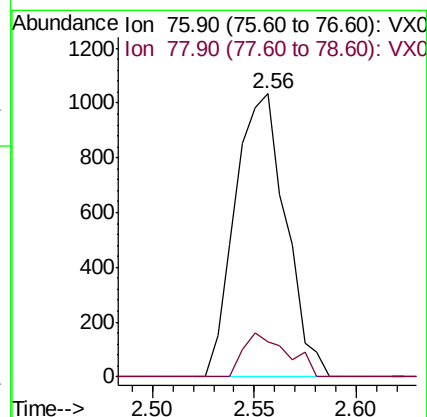
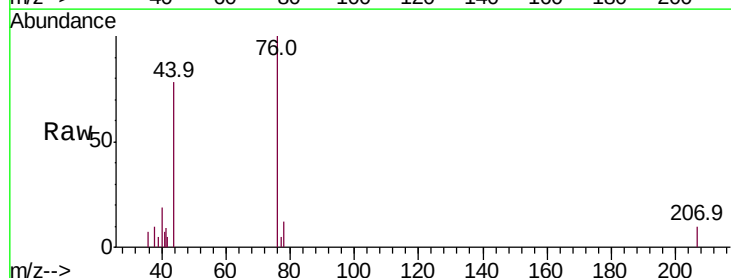
Acq: 03 Nov 2020 17:48

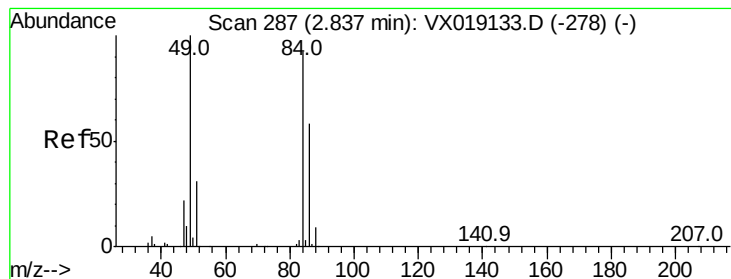
Tgt Ion: 76 Resp: 1780

Ion Ratio Lower Upper

76 100

78 12.2 7.3 10.9#





#20

Methvlene Chloride

Concen: 1.044 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

PB132785TB

Tot Ion: 84 Resp: 3733

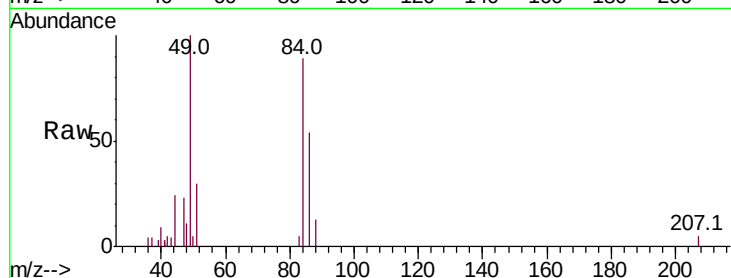
Ion Ratio Lower Upper

84 100

49 112.4 86.8 130.2

51 33.3 27.3 40.9

86 61.0 50.6 76.0

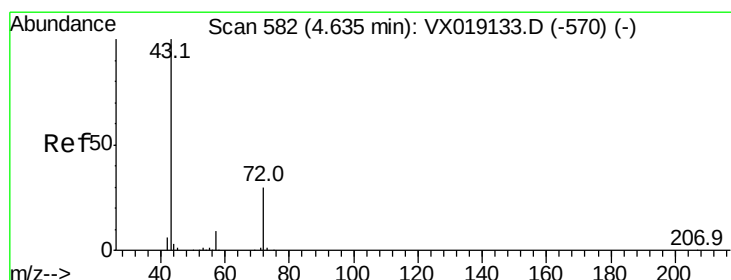
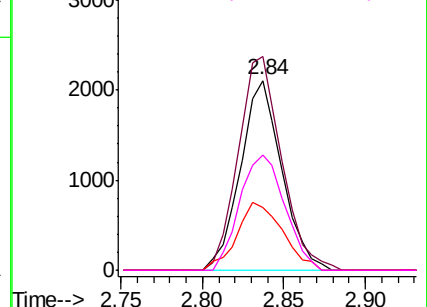
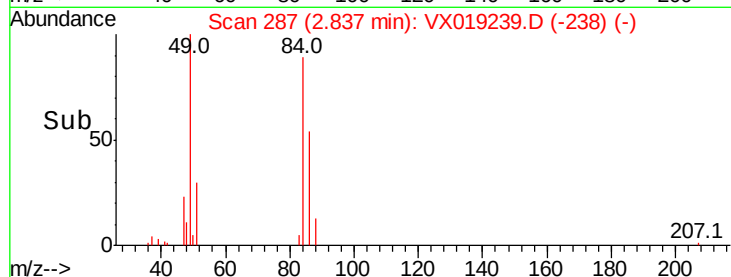


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.720 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX019239.D

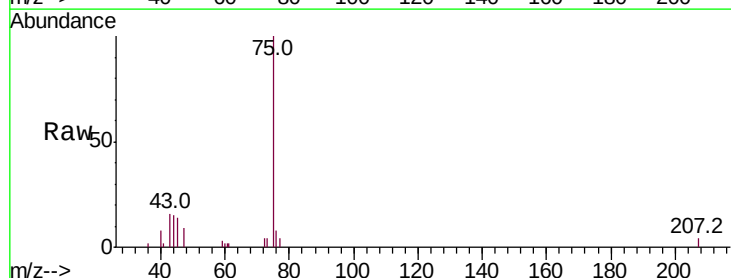
Acq: 03 Nov 2020 17:48

Tgt Ion: 43 Resp: 1616

Ion Ratio Lower Upper

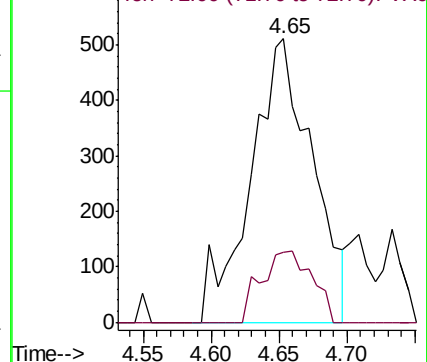
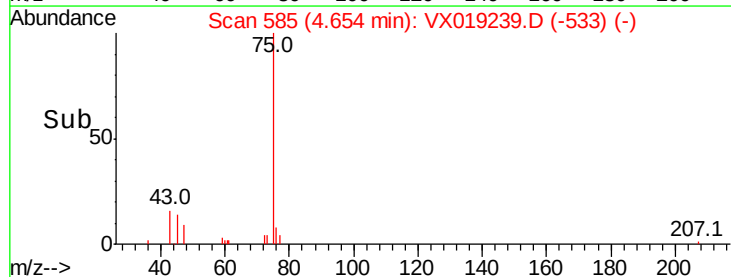
43 100

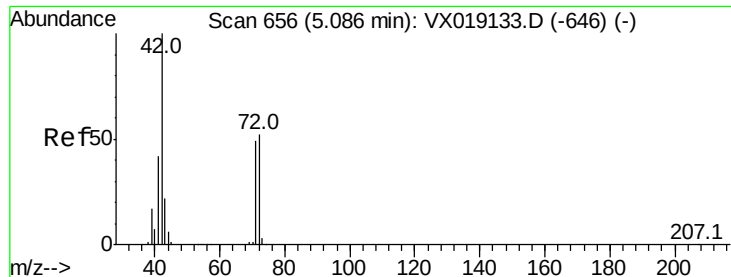
72 24.5 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

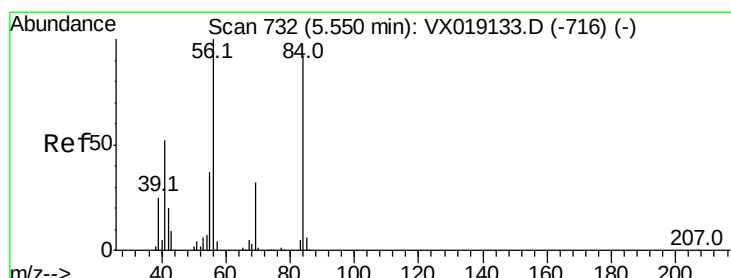
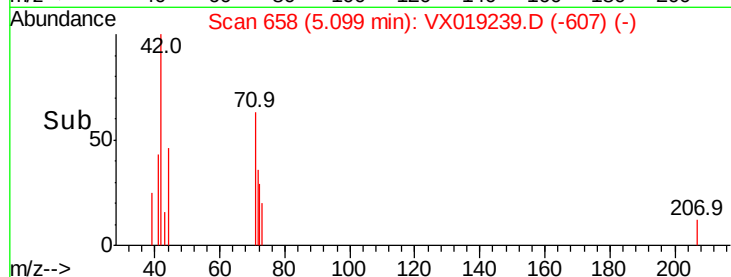
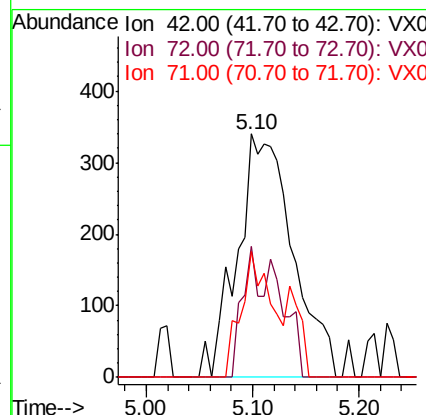
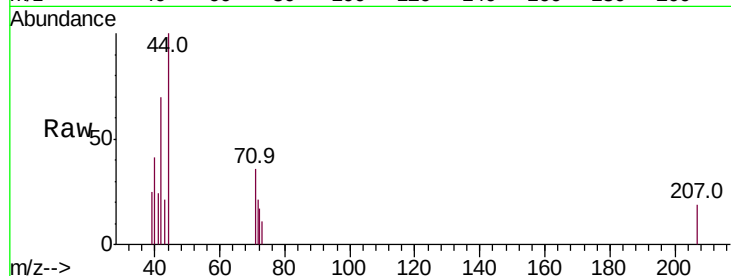




#29
Tetrahydrofuran
Concen: 0.877 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX019239.D
Acq: 03 Nov 2020 17:48

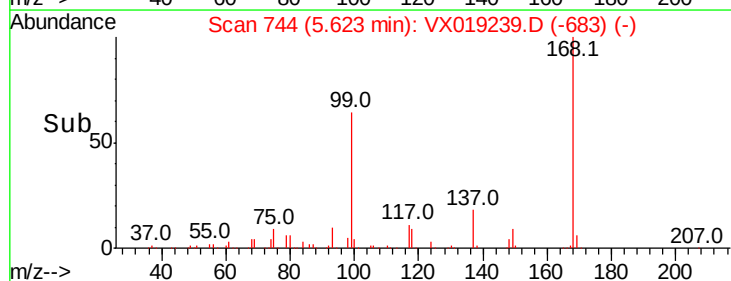
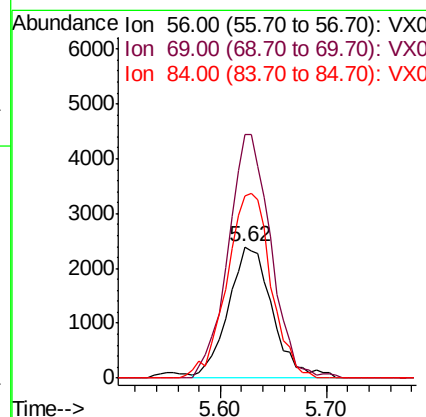
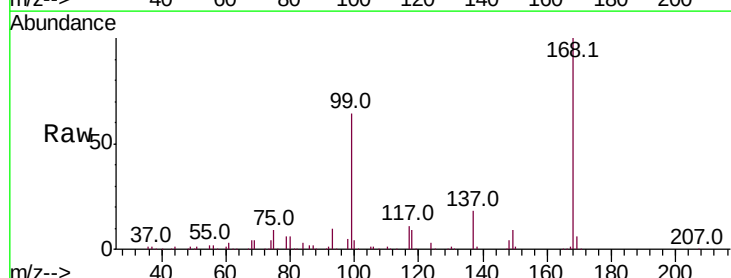
Instrument :
MSVOA_X
ClientSampleId :
PB132785TB

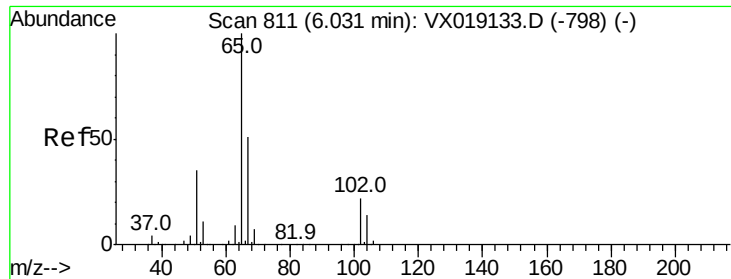
Tot Ion	Ratio	Lower	Upper
42	100		
72	18.6	42.6	63.8#
71	28.8	39.7	59.5#



#31
Cyclohexane
Concen: 1.329 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX019239.D
Acq: 03 Nov 2020 17:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	185.6	25.9	38.9#
84	138.8	73.4	110.2#

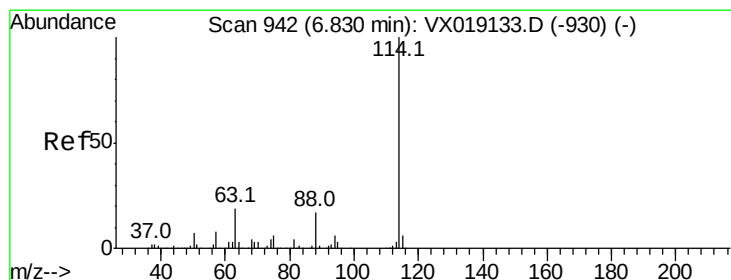
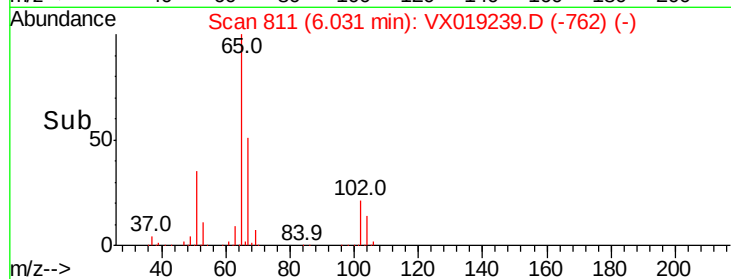
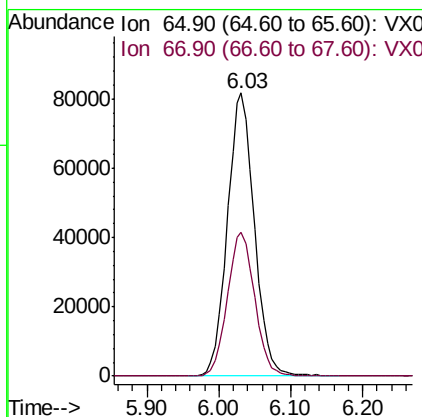
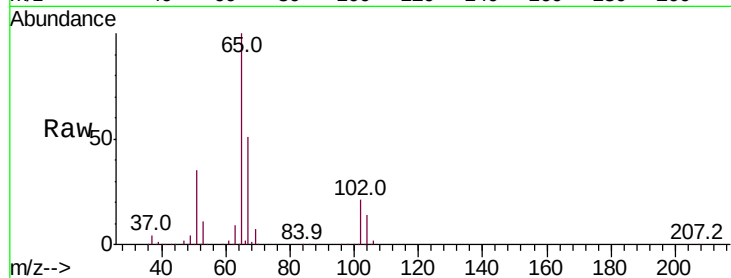




#33
 1,2-Dichloroethane-d4
 Concen: 51.373 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019239.D
 Acq: 03 Nov 2020 17:48

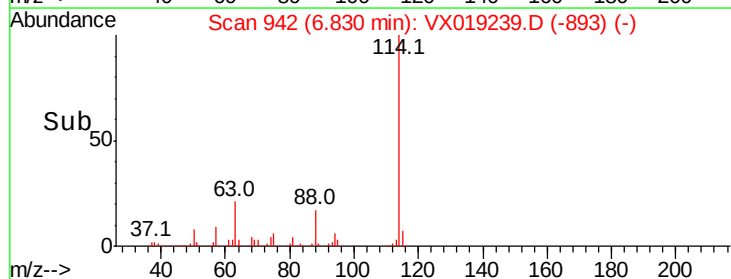
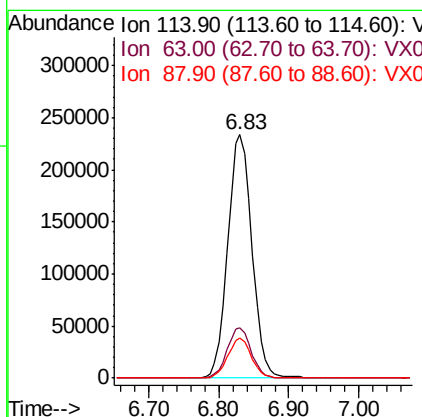
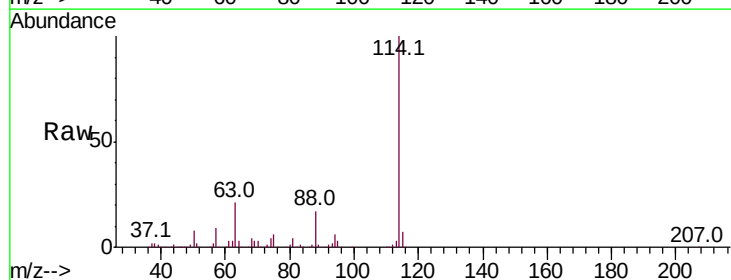
Instrument :
 MSVOA_X
 ClientSampleId :
 PB132785TB

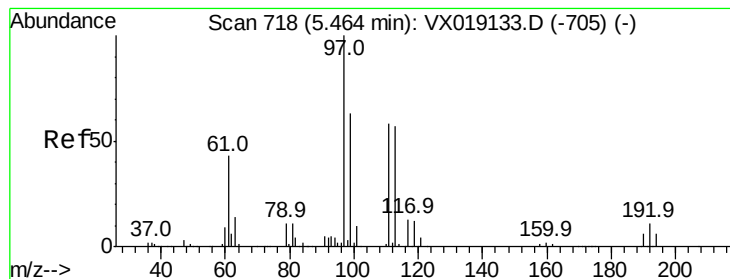
Tot Ion: 65 Resp: 212138
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019239.D
 Acq: 03 Nov 2020 17:48

Tgt Ion: 114 Resp: 561943
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 38.8
 88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.499 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

PB132785TB

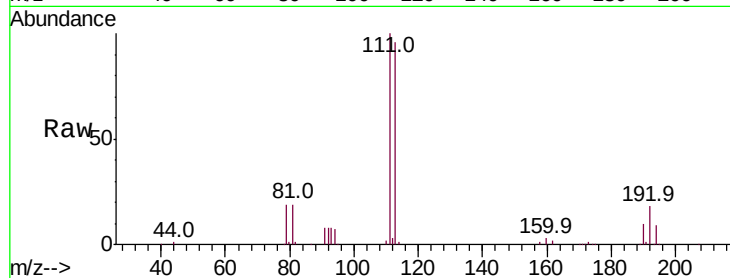
Tot Ion:113 Resp: 171190

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

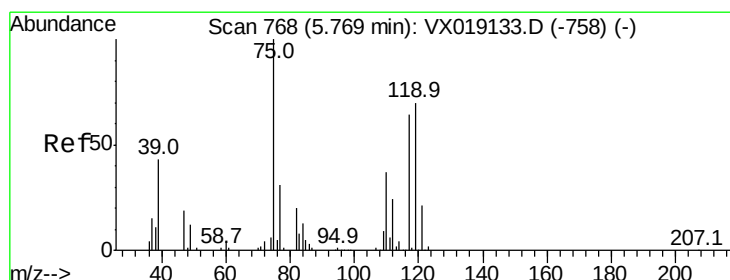
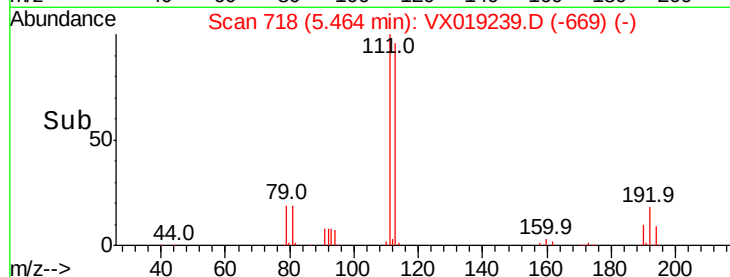
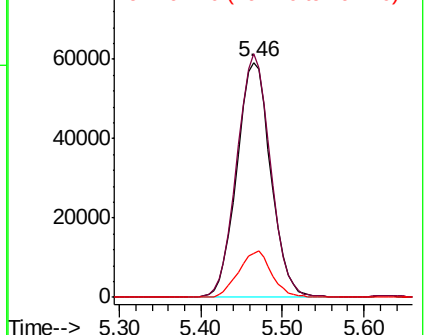
192 19.1 16.2 24.2



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: 5.202 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

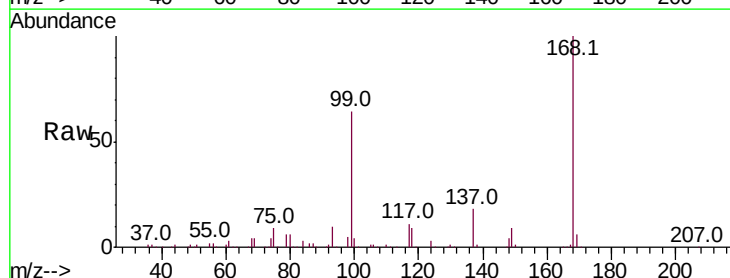
Tgt Ion: 75 Resp: 26993

Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.9#

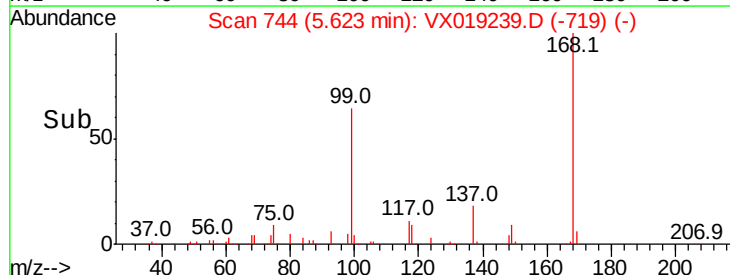
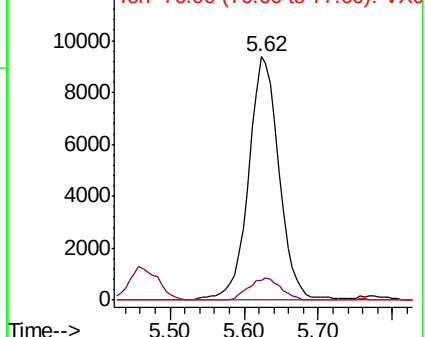
77 0.0 24.9 37.3#

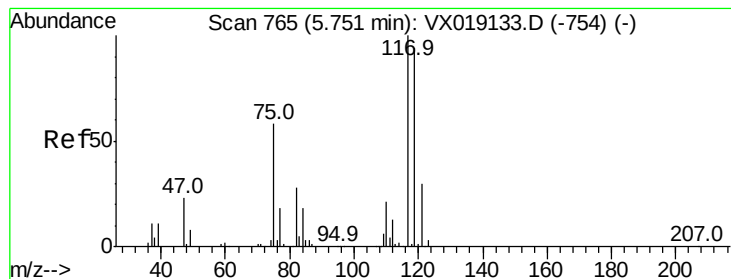


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.306 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

PB132785TB

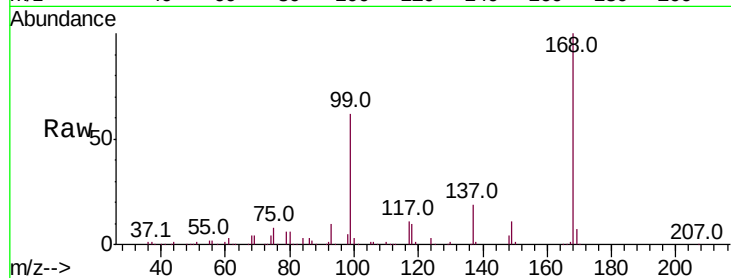
Tot Ion:117 Resp: 33355

Ion Ratio Lower Upper

117 100

119 6.0 75.0 112.6#

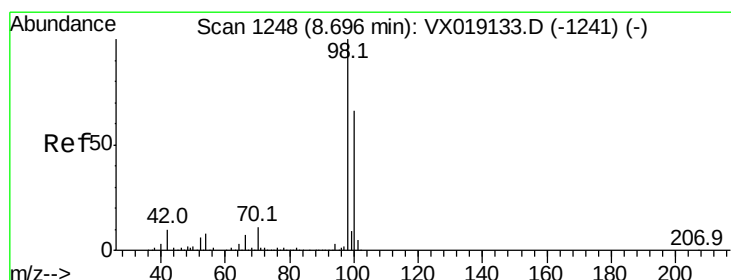
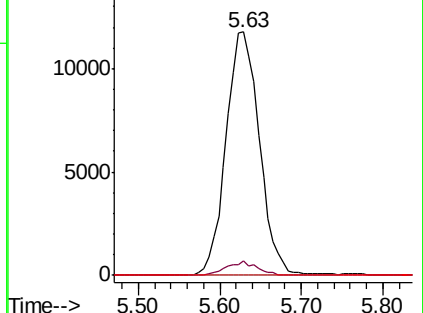
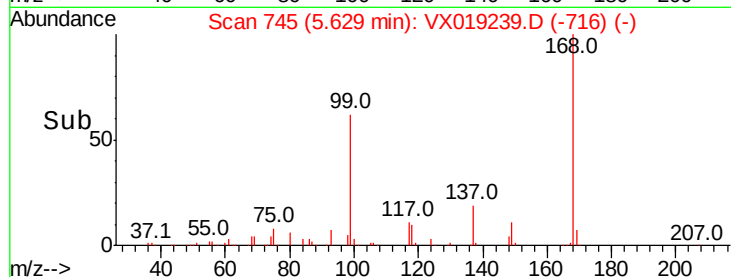
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 53.320 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019239.D

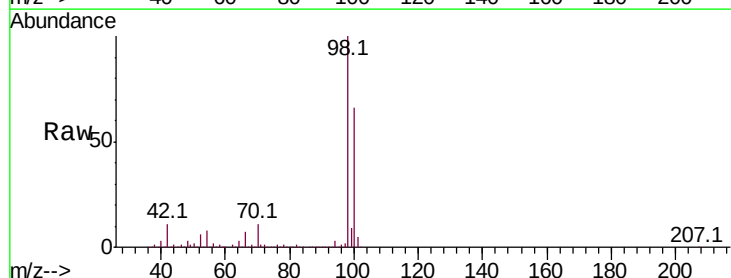
Acq: 03 Nov 2020 17:48

Tgt Ion: 98 Resp: 709470

Ion Ratio Lower Upper

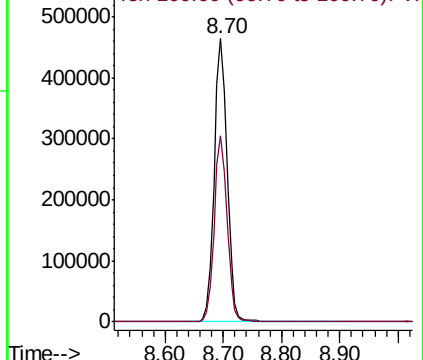
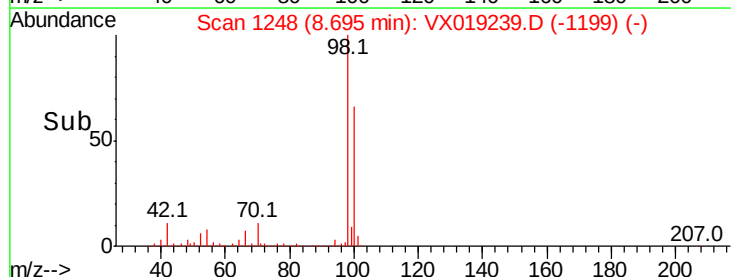
98 100

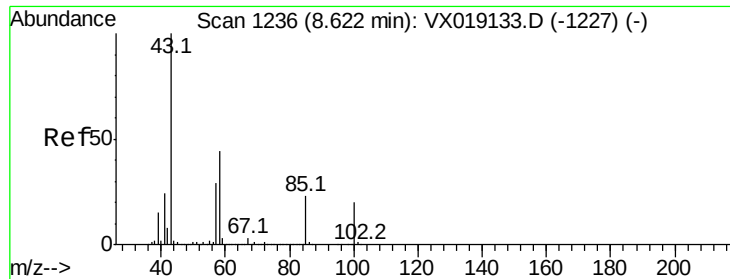
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.393 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

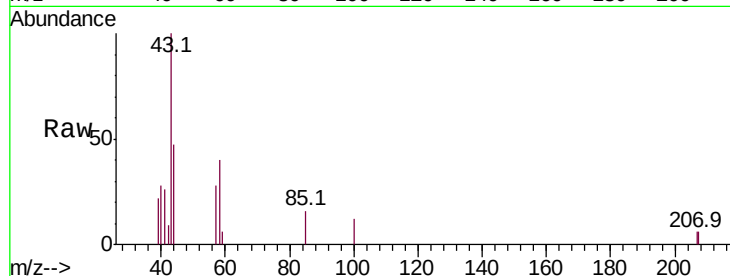
PB132785TB

Tot Ion: 43 Resp: 1820

Ion Ratio Lower Upper

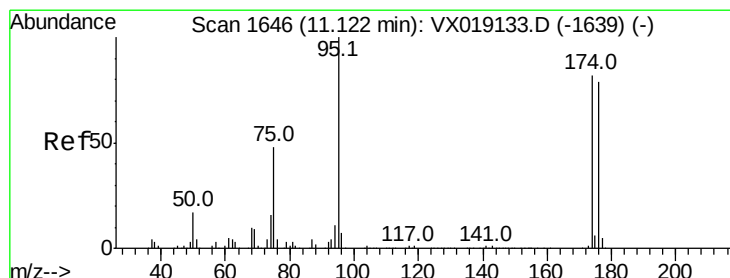
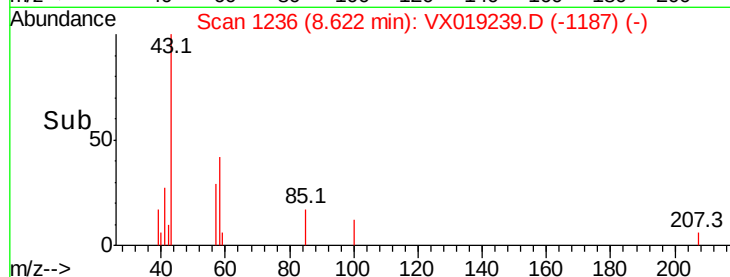
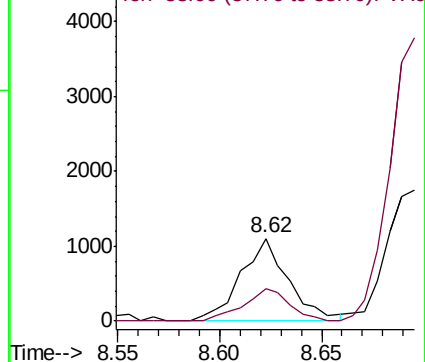
43 100

58 37.7 35.0 52.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.797 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

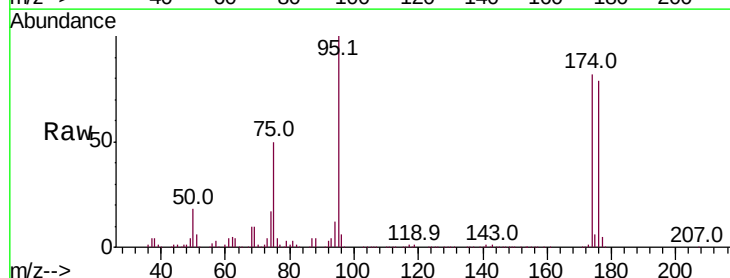
Tgt Ion: 95 Resp: 276124

Ion Ratio Lower Upper

95 100

174 78.3 0.0 156.0

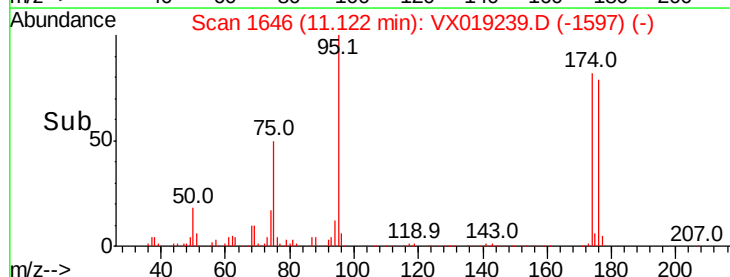
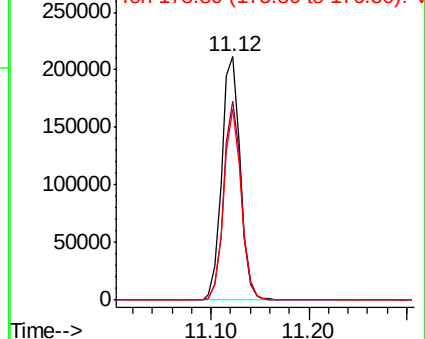
176 74.7 0.0 149.8

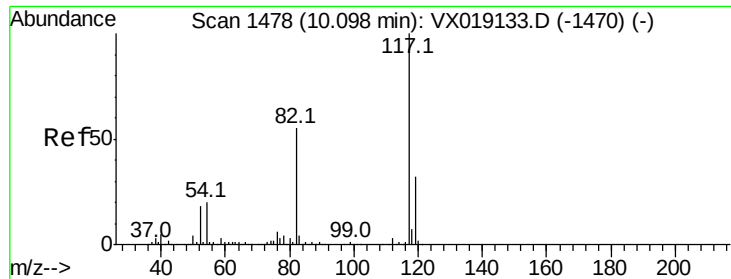


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

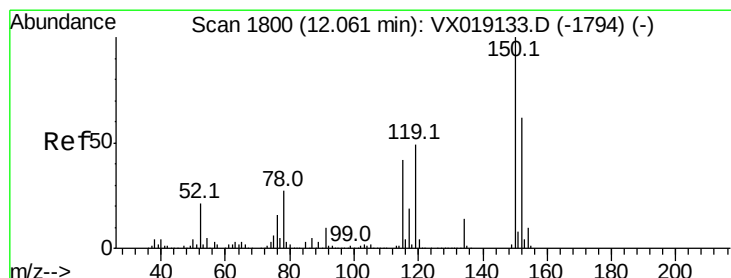
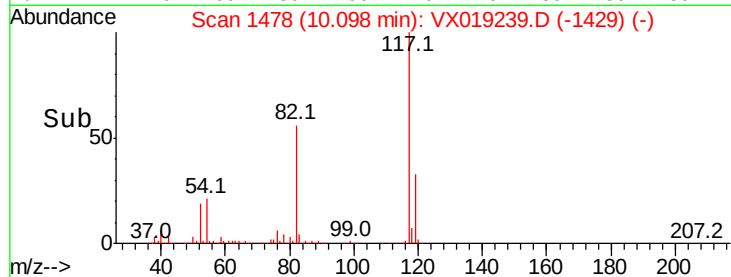
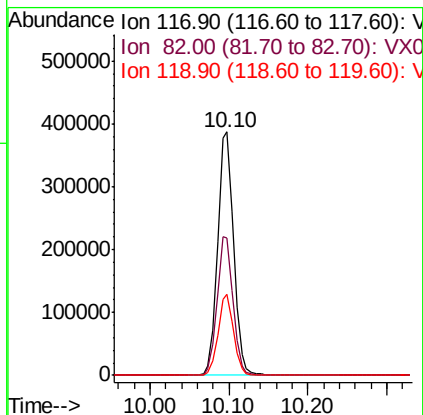
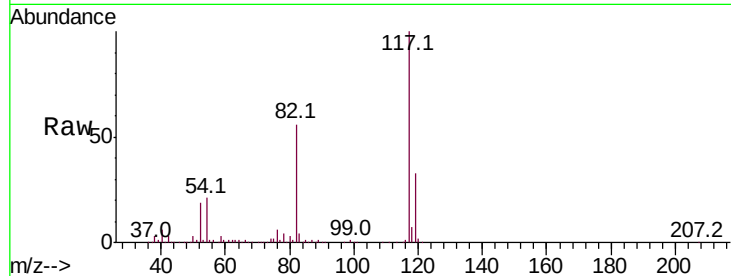




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019239.D
Acq: 03 Nov 2020 17:48

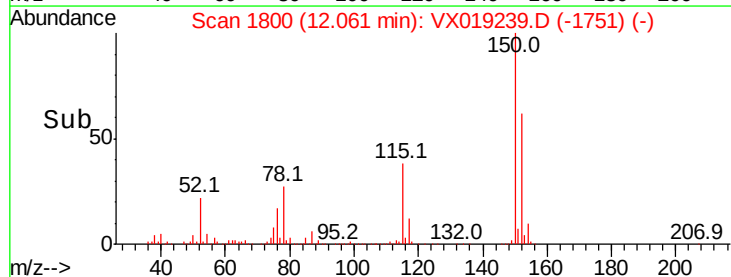
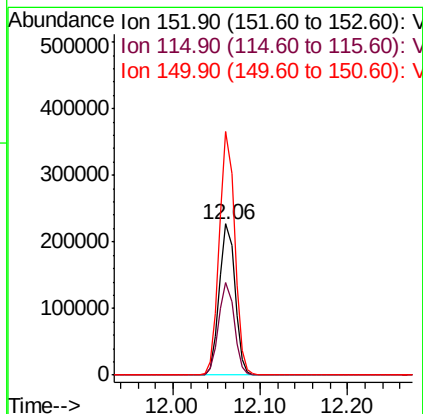
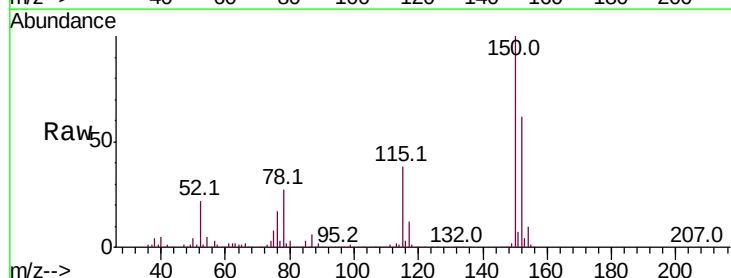
Instrument :
MSVOA_X
ClientSampled :
PB132785TB

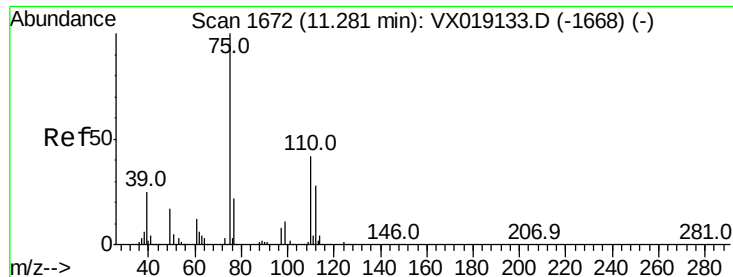
Tot Ion:117 Resp: 547153
Ion Ratio Lower Upper
117 100
82 56.3 43.6 65.4
119 33.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019239.D
Acq: 03 Nov 2020 17:48

Tgt Ion:152 Resp: 280795
Ion Ratio Lower Upper
152 100
115 60.9 41.9 125.7
150 158.2 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 24.546 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

Instrument :

MSVOA_X

ClientSampleId :

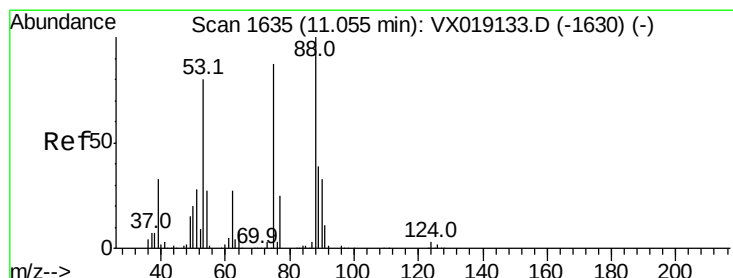
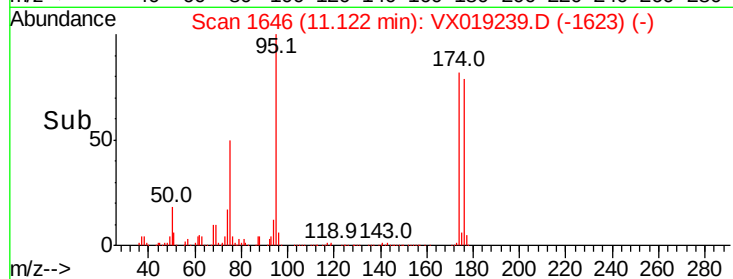
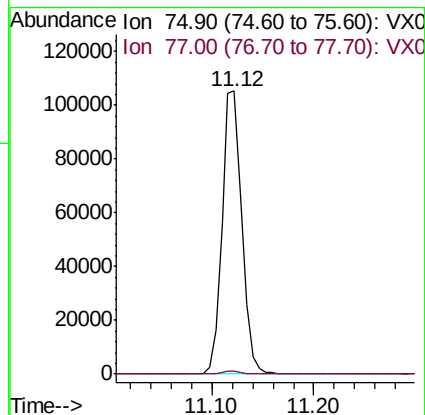
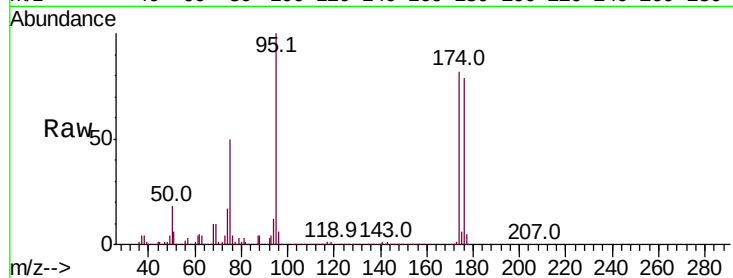
PB132785TB

Tot Ion: 75 Resp: 142312

Ion Ratio Lower Upper

75 100

77 1.2 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.629 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019239.D

Acq: 03 Nov 2020 17:48

Tgt Ion: 75 Resp: 142312

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

