

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003796.D
 Acq On : 01 Aug 2018 16:17
 Operator : JC/SP
 Sample : J4143-01RE
 Misc : 9.98G/5.0mL/MSVOA X/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:55:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	42929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	63137	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	50609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	20120	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	20033	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
35) Dibromofluoromethane	5.51	113	16167	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	
50) Toluene-d8	8.72	98	59784	38.57	ug/l	0.00
Spiked Amount			Recovery	=	77.14%	
62) 4-Bromofluorobenzene	11.14	95	18011	31.52	ug/l	0.00
Spiked Amount			Recovery	=	63.04%	

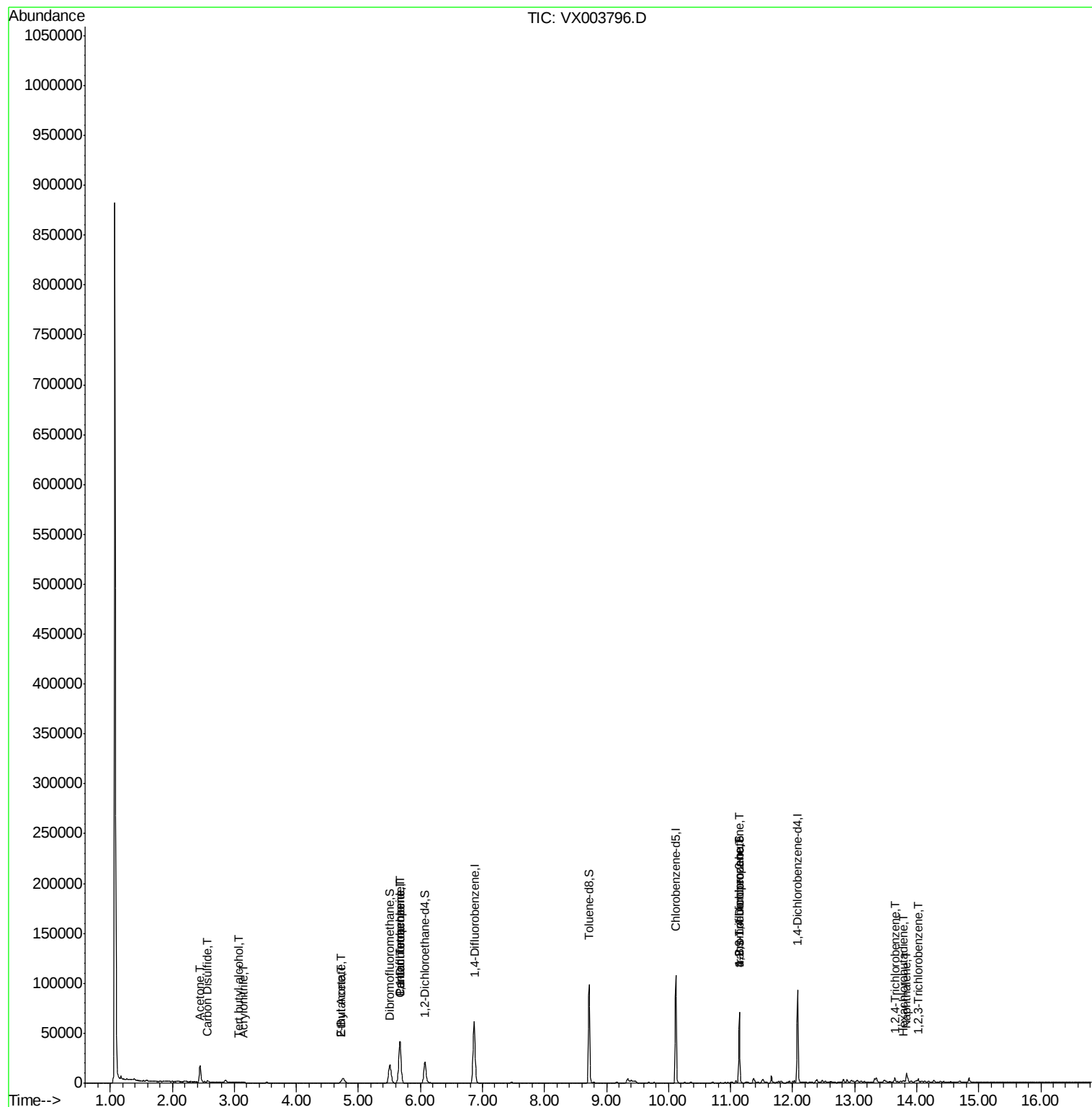
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	131	Below Cal	#	68
11) Tert butyl alcohol	3.07	59	155	2.20	ug/l #	73
15) Acrylonitrile	3.15	53	186	1.04	ug/l #	81
16) Acetone	2.45	43	17364	104.70	ug/l	99
17) Carbon Disulfide	2.57	76	1627	1.30	ug/l #	68
20) Methylene Chloride	2.85	84	1054	Below Cal		90
25) 2-Butanone	4.71	43	1316	5.44	ug/l	91
36) 1,1-Dichloropropene	5.67	75	2804	4.74	ug/l #	48
37) Ethyl Acetate	4.71	43	1316	2.90	ug/l #	68
38) Carbon Tetrachloride	5.66	117	3834	7.01	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	8561	30.87	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	8561	91.44	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.65	180	997	2.03	ug/l #	88
94) Hexachlorobutadiene	13.79	225	353	1.12	ug/l	96
95) Naphthalene	13.83	128	6135	5.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1008	2.26	ug/l	90

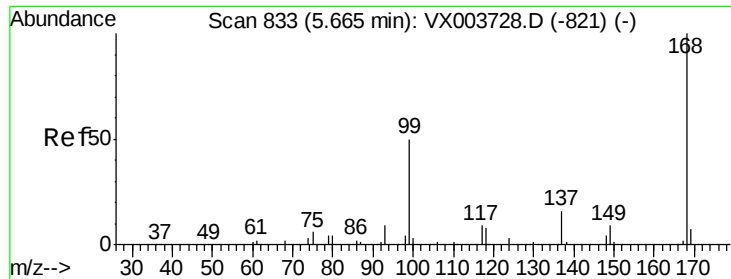
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003796.D

Acq: 01 Aug 2018 16:17

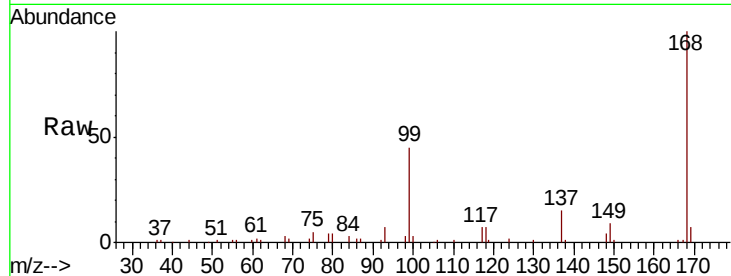
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 42929

Ion Ratio Lower Upper

168 100

99 44.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

15000

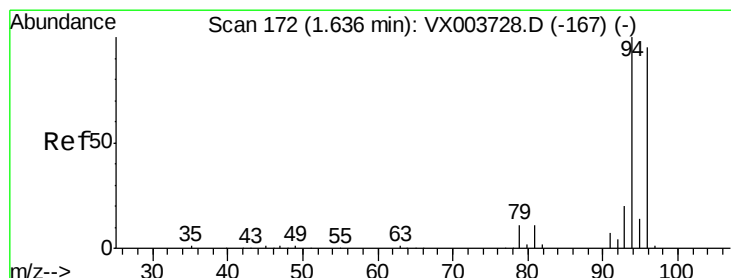
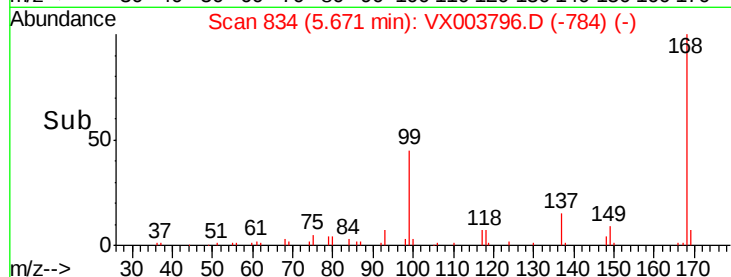
10000

5000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003796.D

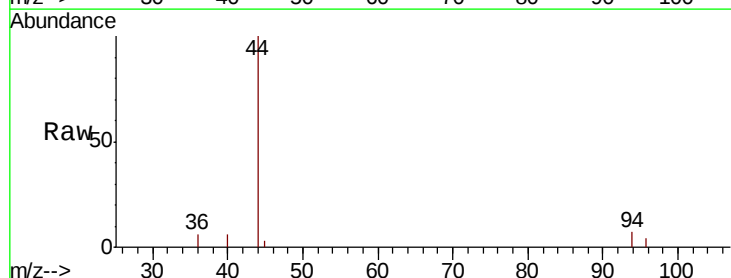
Acq: 01 Aug 2018 16:17

Tgt Ion: 94 Resp: 131

Ion Ratio Lower Upper

94 100

96 64.3 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150

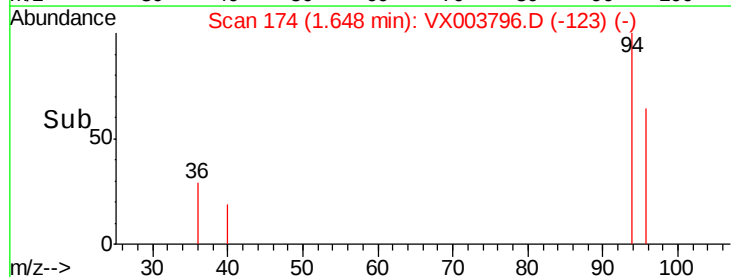
100

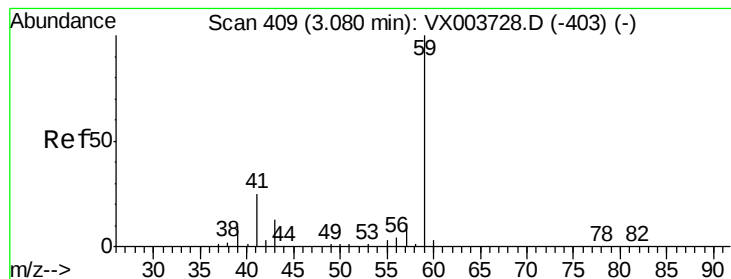
50

0

Time-->

1.62 1.64 1.66 1.68



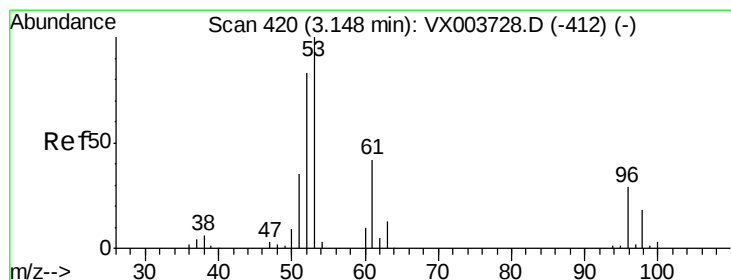
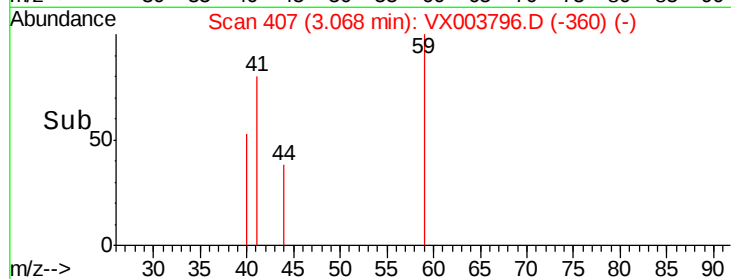
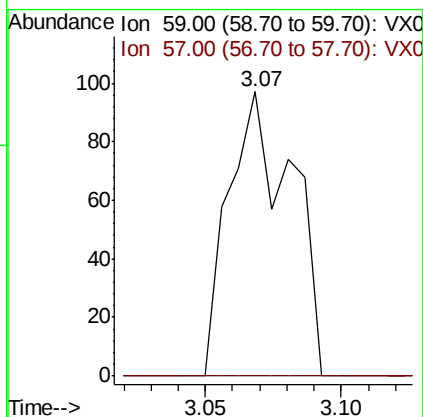
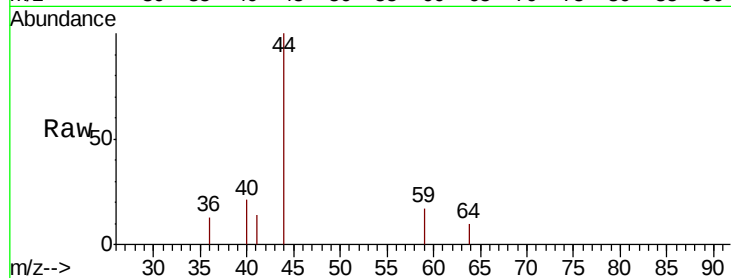


#11

Tert butvl alcohol
 Concen: 2.20 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003796.D
 Acq: 01 Aug 2018 16:17

Instrument :
 MSVOA_X
 ClientSampled :

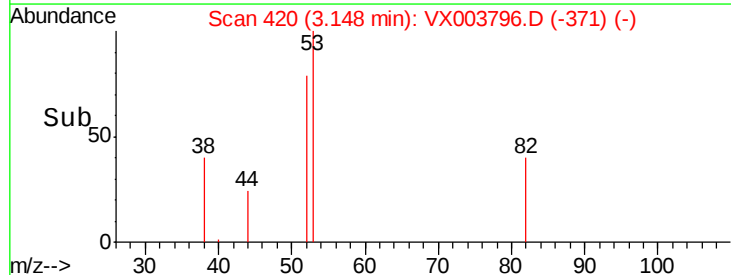
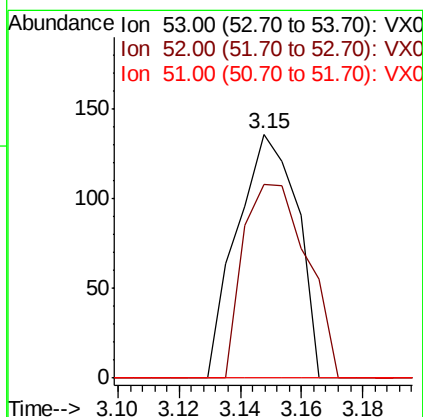
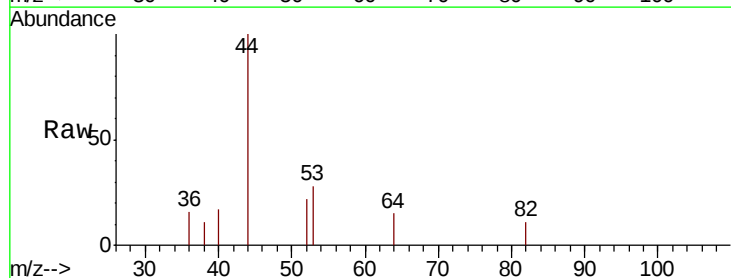
Tot Ion: 59 Resp: 155
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

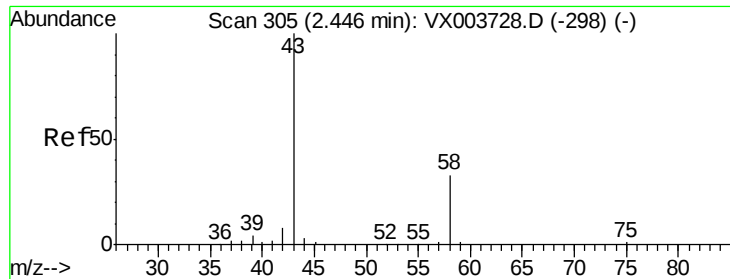


#15

Acrylonitrile
 Concen: 1.04 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.00 min
 Lab File: VX003796.D
 Acq: 01 Aug 2018 16:17

Tgt Ion: 53 Resp: 186
 Ion Ratio Lower Upper
 53 100
 52 83.9 66.2 99.2
 51 0.0 28.5 42.7#





#16

Acetone

Concen: 104.70 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003796.D

Acq: 01 Aug 2018 16:17

Instrument :

MSVOA_X

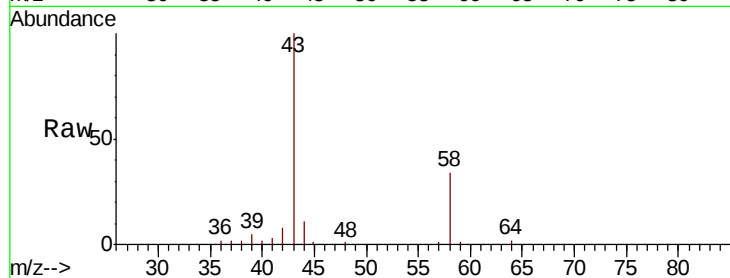
ClientSampleId :

Tot Ion: 43 Resp: 17364

Ion Ratio Lower Upper

43 100

58 34.1 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

12000

10000

8000

6000

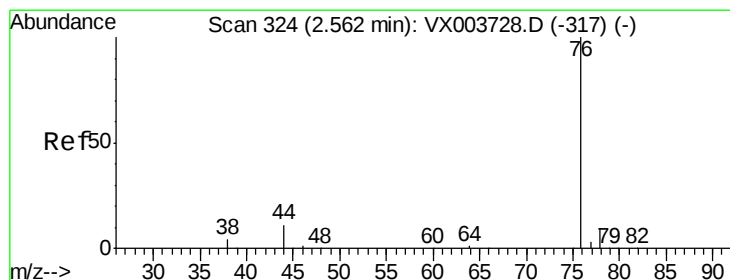
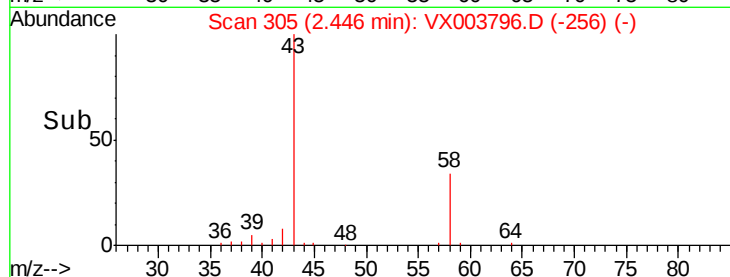
4000

2000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#17

Carbon Disulfide

Concen: 1.30 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003796.D

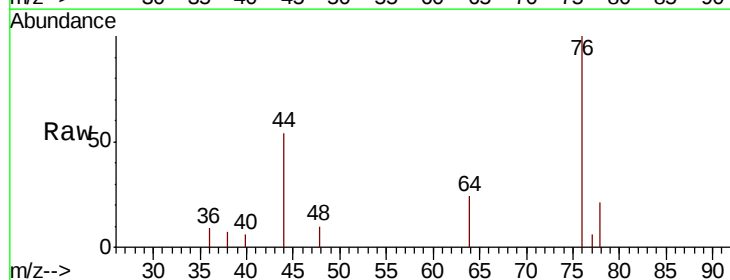
Acq: 01 Aug 2018 16:17

Tgt Ion: 76 Resp: 1627

Ion Ratio Lower Upper

76 100

78 20.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1200

1000

800

600

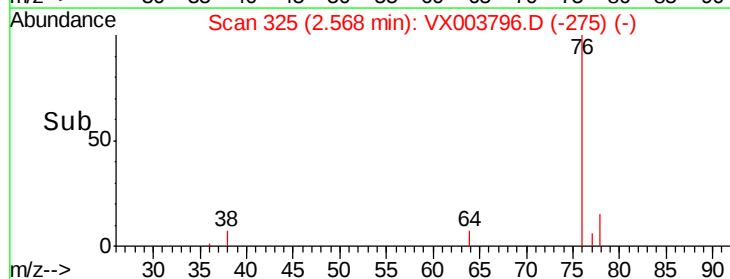
400

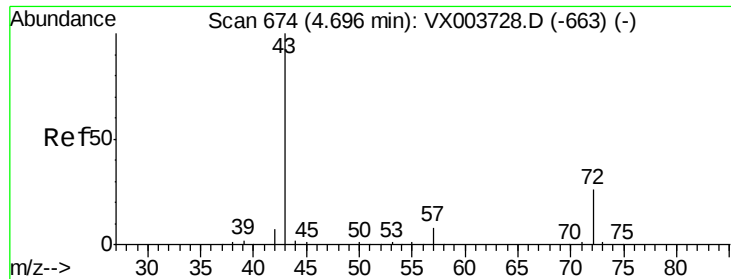
200

0

2.50 2.55 2.60

Time-->

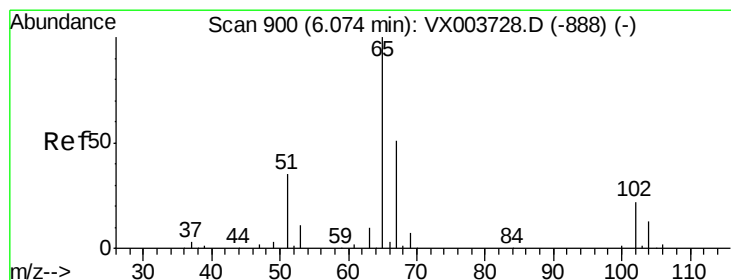
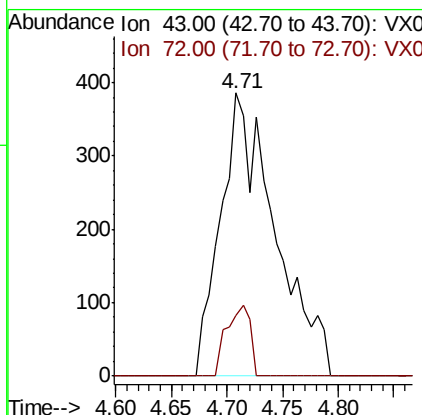
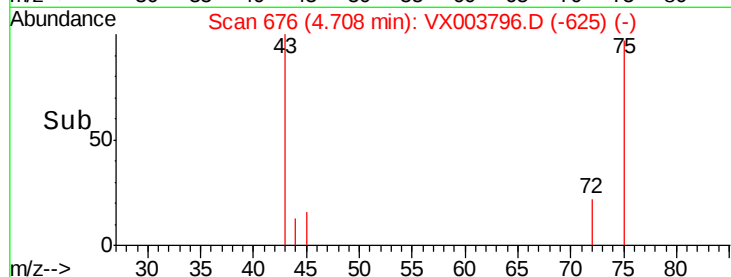
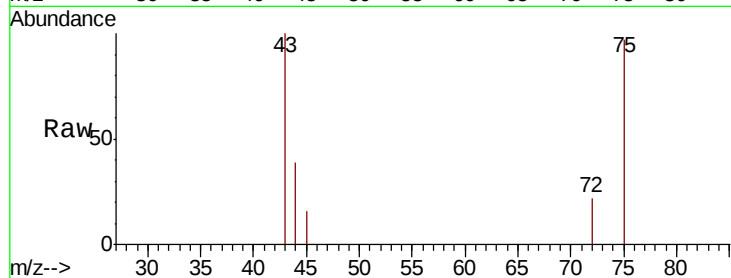




#25
 2-Butanone
 Concen: 5.44 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX003796.D
 Acq: 01 Aug 2018 16:17

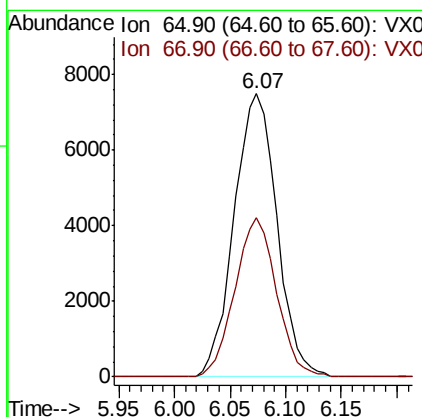
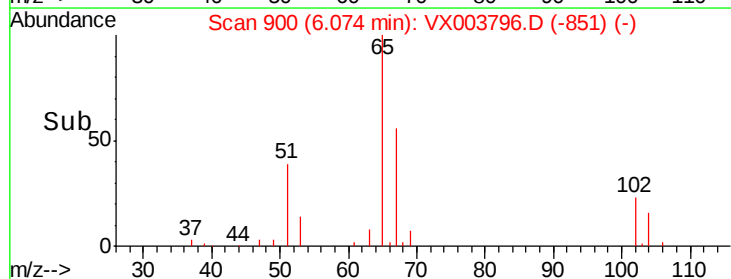
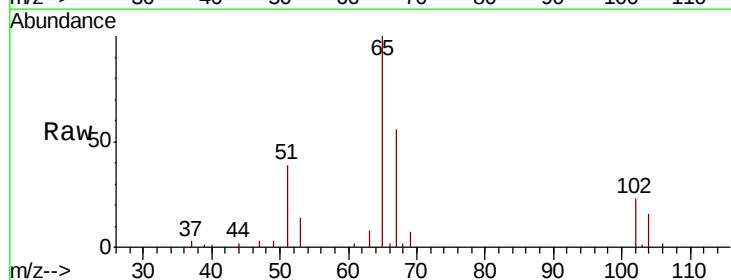
Instrument :
 MSVOA_X
 ClientSampleId :

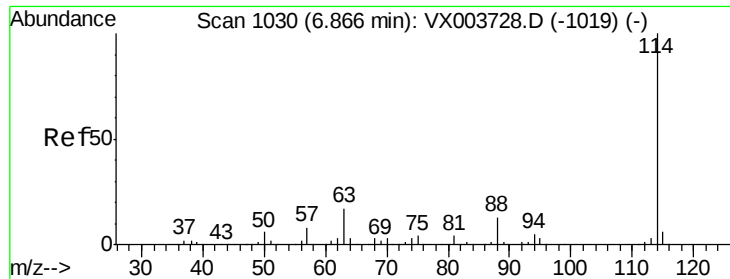
Tot Ion: 43 Resp: 1316
 Ion Ratio Lower Upper
 43 100
 72 21.5 20.9 31.3



#33
 1,2-Dichloroethane-d4
 Concen: 46.14 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003796.D
 Acq: 01 Aug 2018 16:17

Tgt Ion: 65 Resp: 20033
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.0

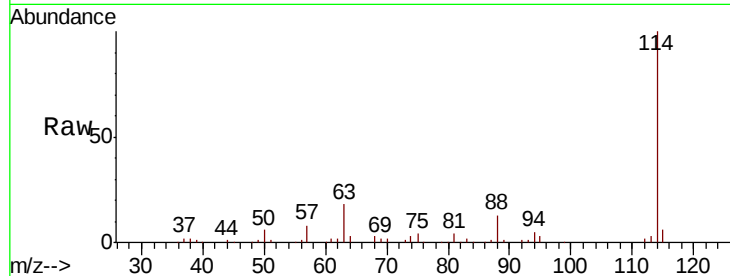




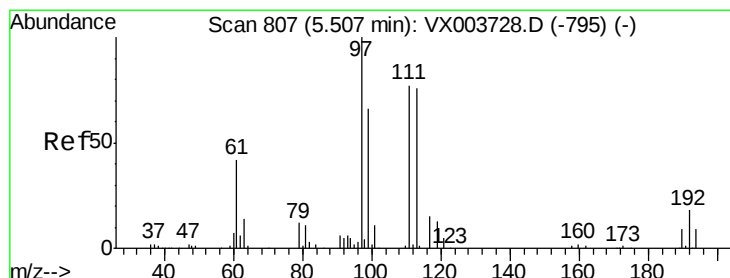
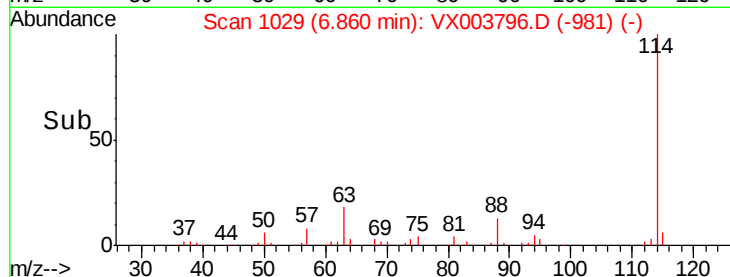
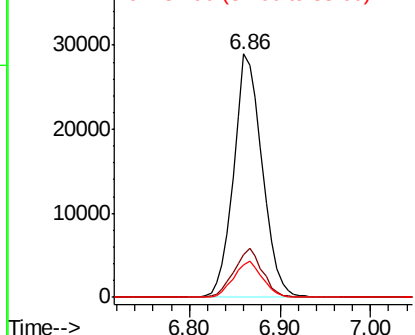
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003796.D
 Acq: 01 Aug 2018 16:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 63137
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.0
 88 13.2 0.0 26.4

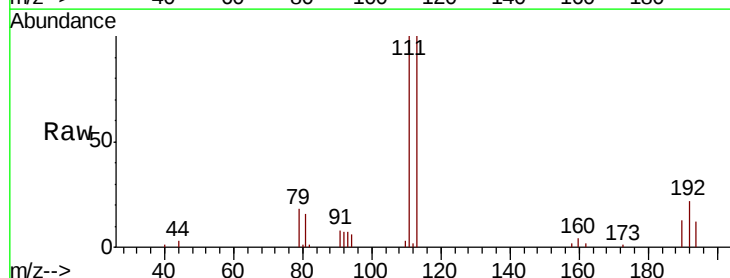


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

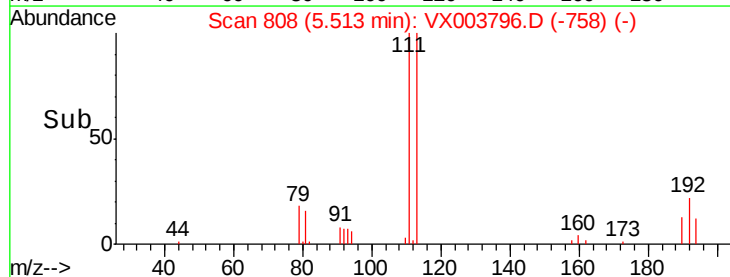
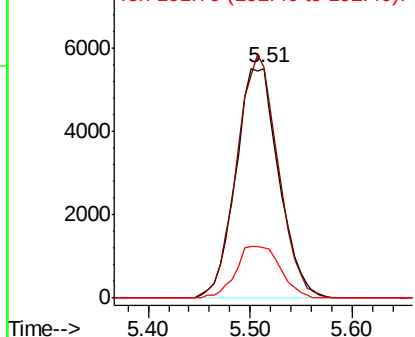


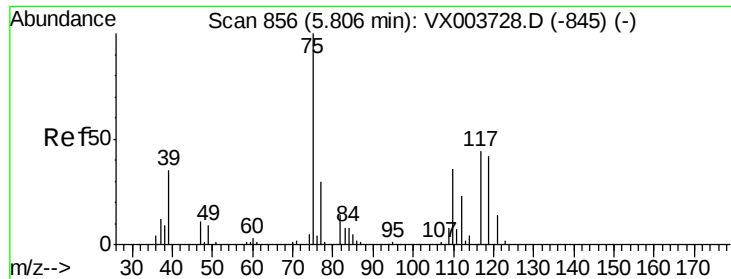
#35
 Dibromofluoromethane
 Concen: 43.49 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003796.D
 Acq: 01 Aug 2018 16:17

Tgt Ion:113 Resp: 16167
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.8 122.6
 192 23.3 18.8 28.2



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

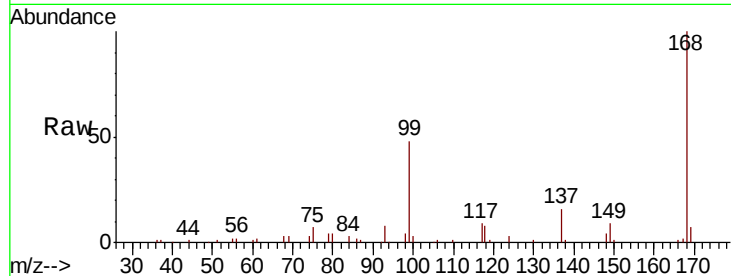




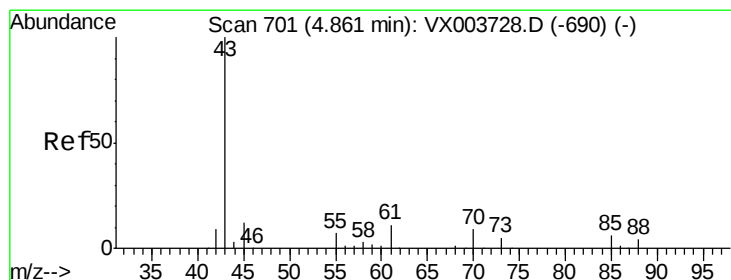
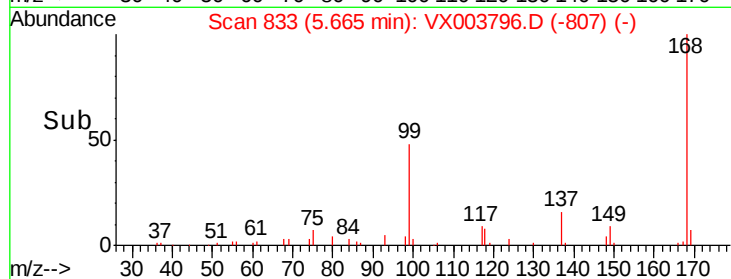
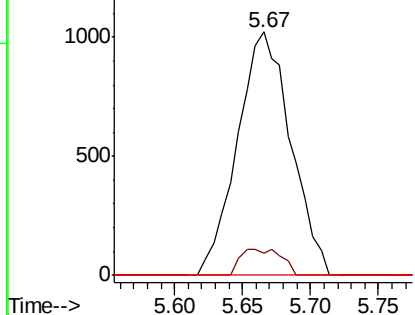
#36
 1,1-Dichloropropene
 Concen: 4.74 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX003796.D
 Acq: 01 Aug 2018 16:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 2804
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.3 54.8#
 77 0.0 25.1 37.7#

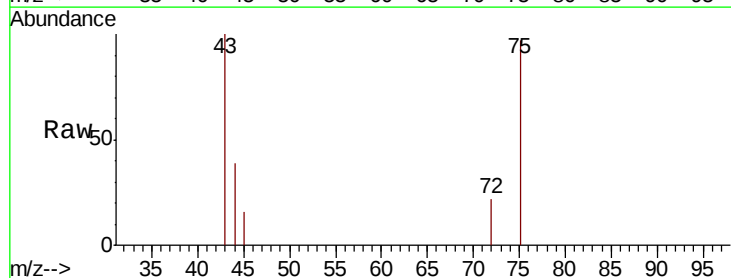


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

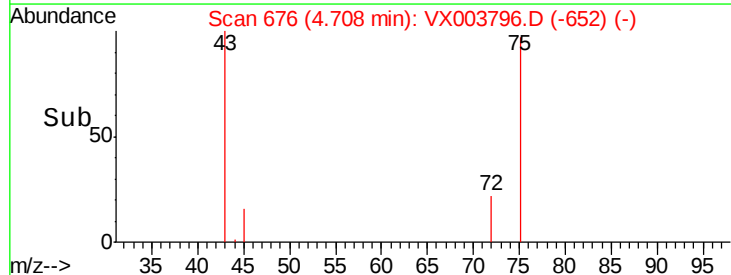
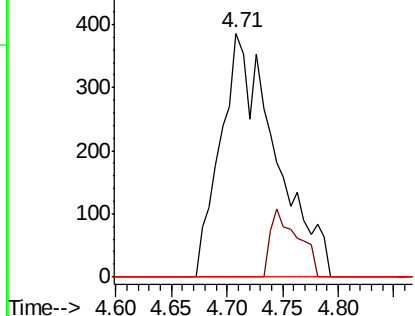


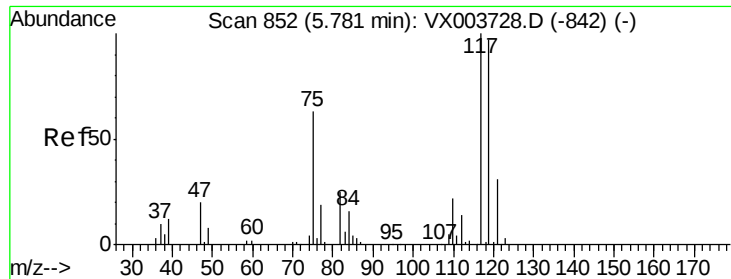
#37
 Ethyl Acetate
 Concen: 2.90 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.15 min
 Lab File: VX003796.D
 Acq: 01 Aug 2018 16:17

Tgt Ion: 43 Resp: 1316
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.0#
 70 0.0 8.2 12.2#



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

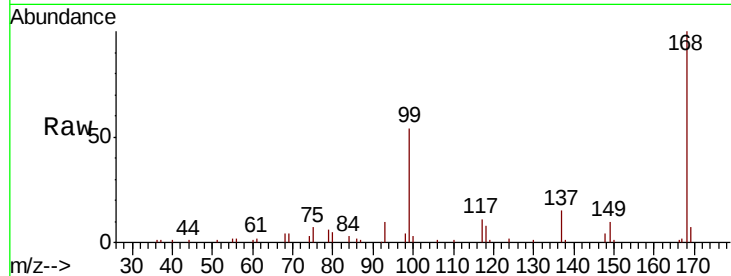




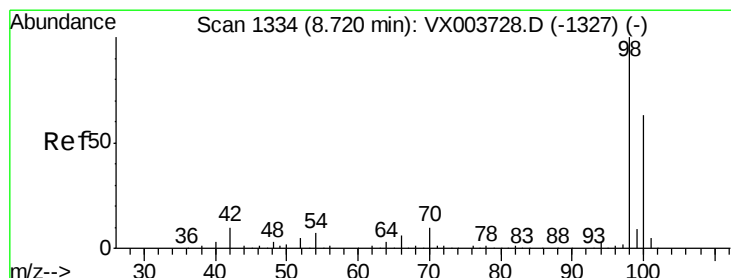
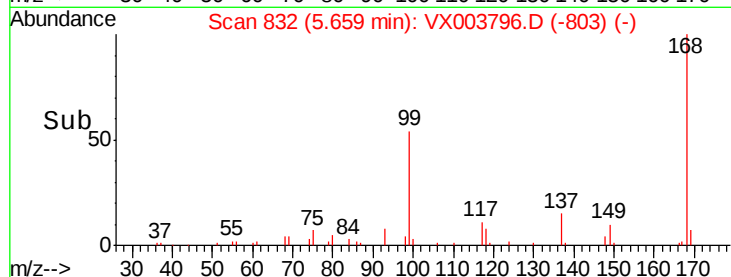
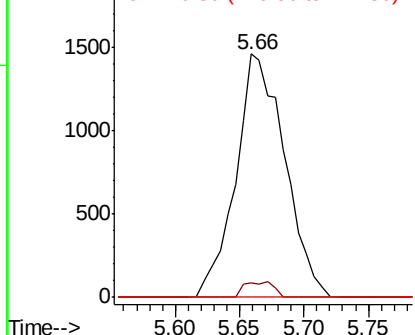
#38
Carbon Tetrachloride
Concen: 7.01 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.12 min
Lab File: VX003796.D
Acq: 01 Aug 2018 16:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 3834
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 25.0 37.4#

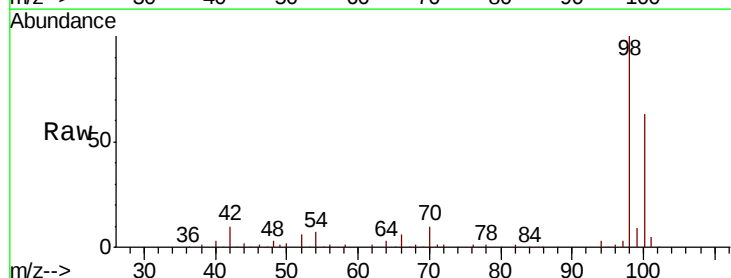


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

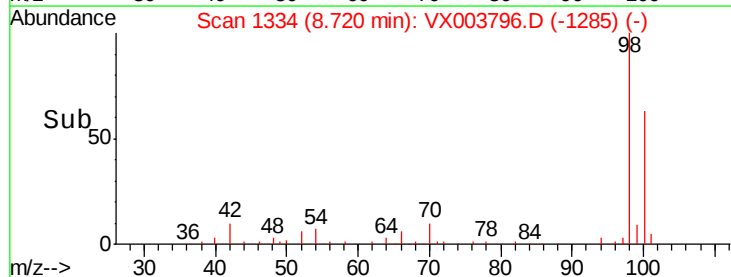
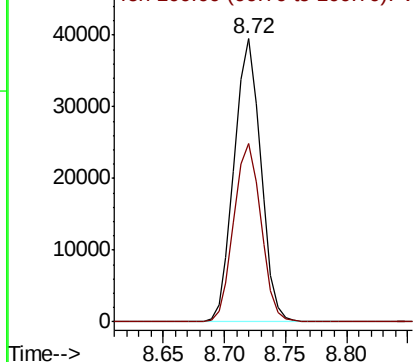


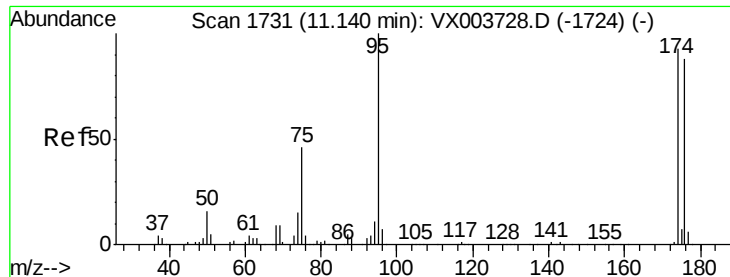
#50
Toluene-d8
Concen: 38.57 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003796.D
Acq: 01 Aug 2018 16:17

Tgt Ion: 98 Resp: 59784
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

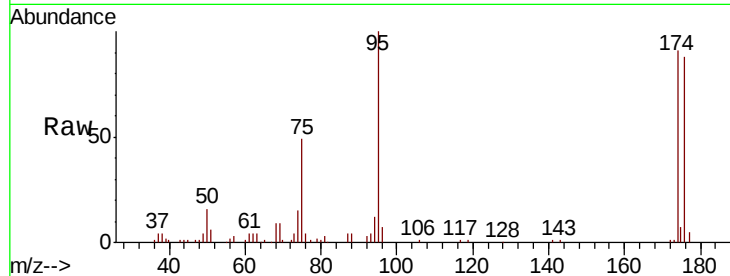




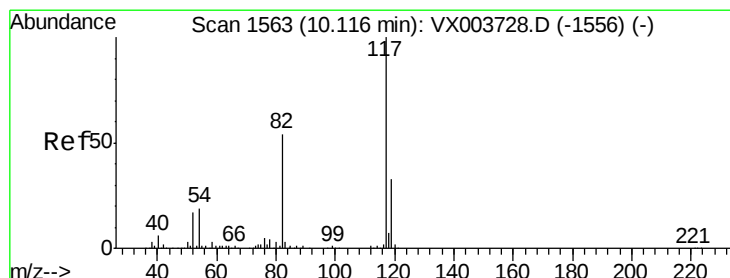
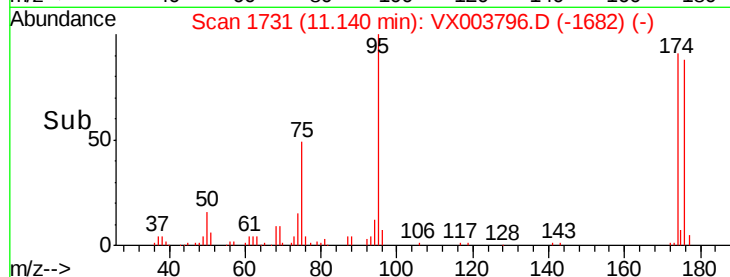
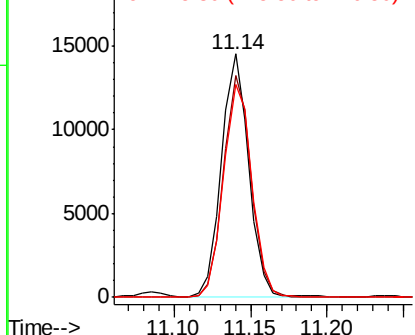
#62
4-Bromofluorobenzene
Concen: 31.52 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003796.D
Acq: 01 Aug 2018 16:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 18011
Ion Ratio Lower Upper
95 100
174 92.0 0.0 186.2
176 91.0 0.0 179.2

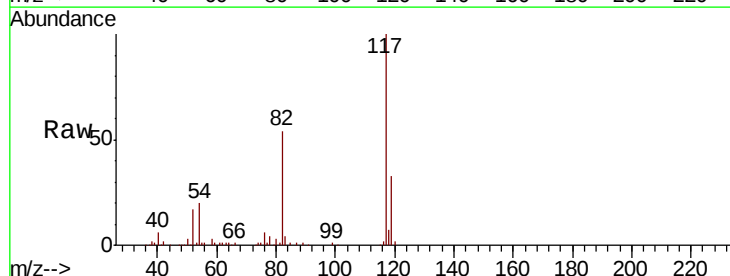


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

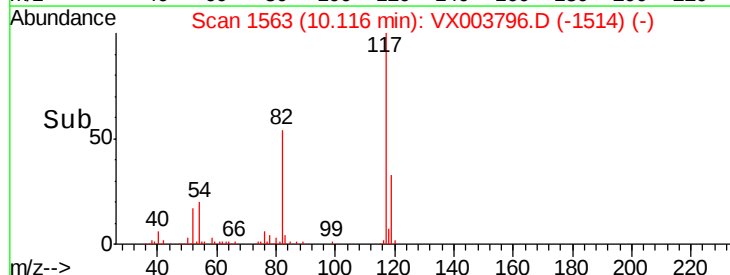
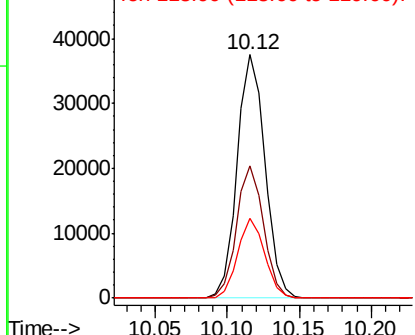


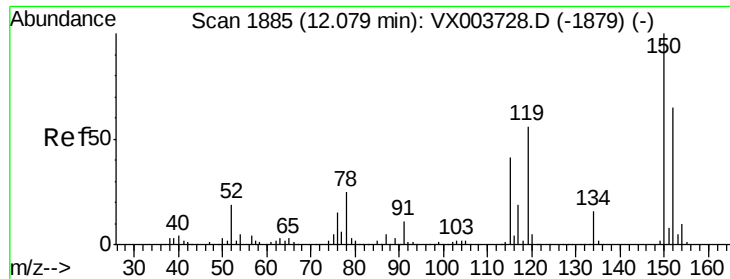
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003796.D
Acq: 01 Aug 2018 16:17

Tgt Ion: 117 Resp: 50609
Ion Ratio Lower Upper
117 100
82 54.5 43.2 64.8
119 32.6 26.3 39.5



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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003796.D

Acq: 01 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampleId :

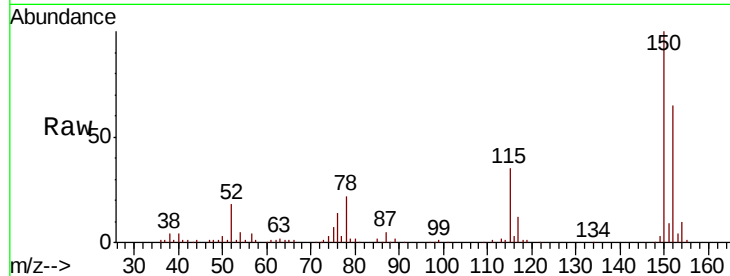
Tot Ion:152 Resp: 20120

Ion Ratio Lower Upper

152 100

115 55.3 38.5 115.3

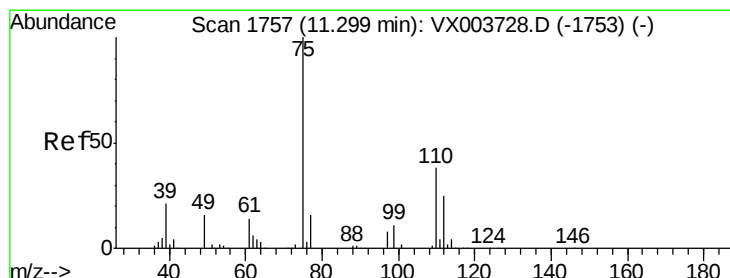
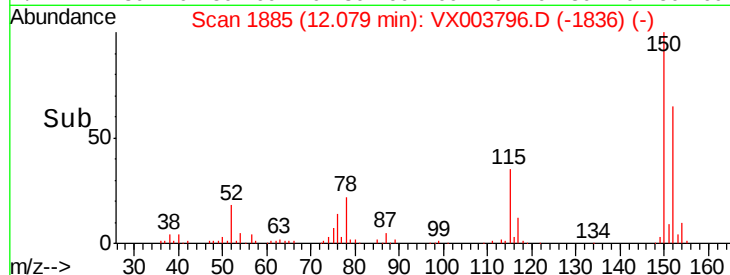
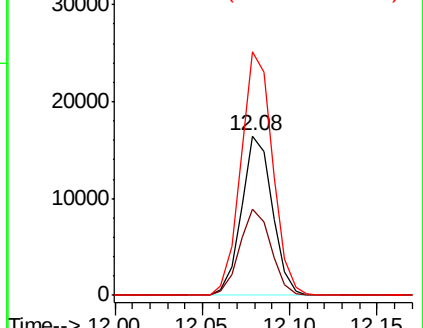
150 157.4 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 30.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003796.D

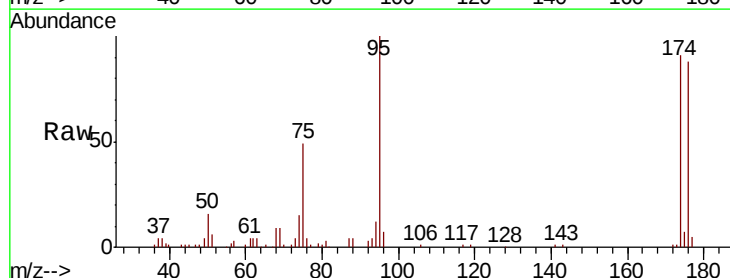
Acq: 01 Aug 2018 16:17

Tgt Ion: 75 Resp: 8561

Ion Ratio Lower Upper

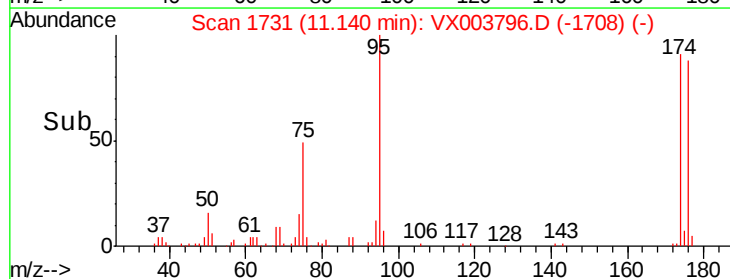
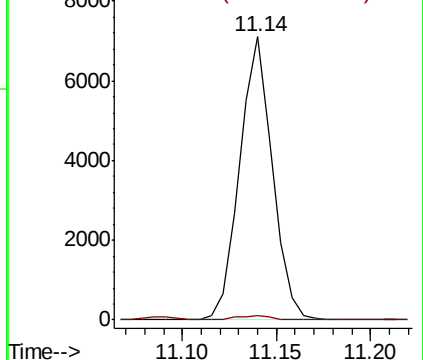
75 100

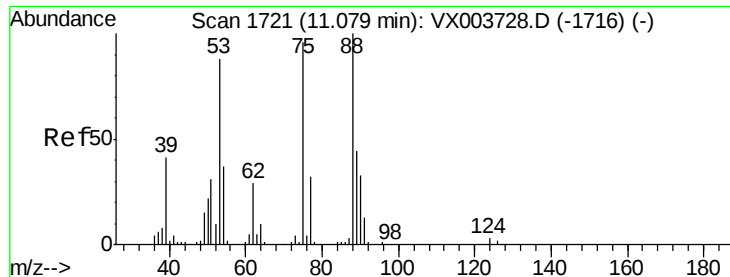
77 1.4 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

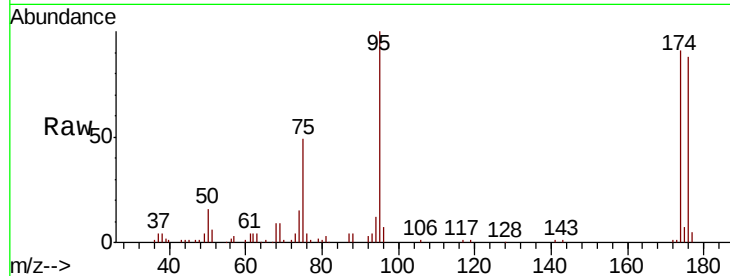




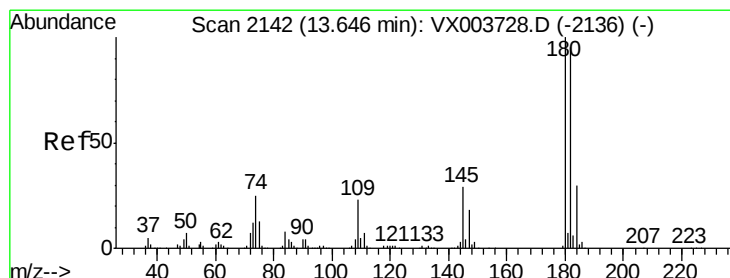
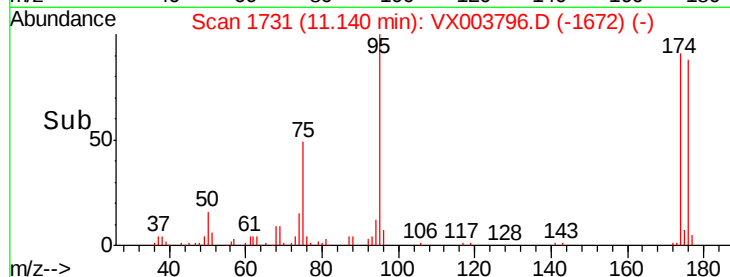
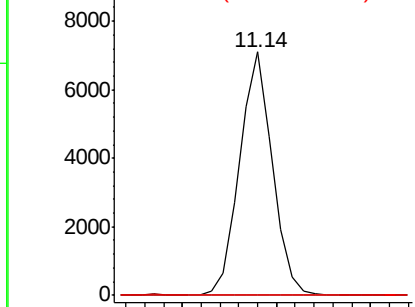
#81
trans-1,4-Dichloro-2-butene
Concen: 91.44 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003796.D
Acq: 01 Aug 2018 16:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 8561
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 39.1 58.7#

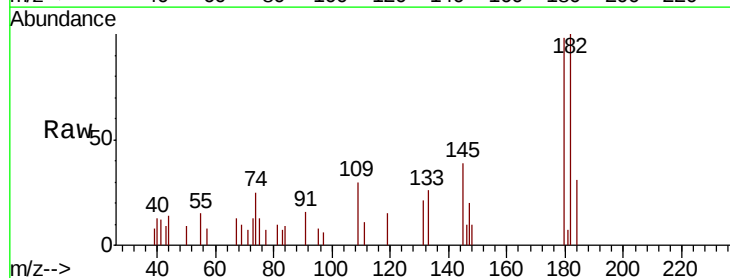


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

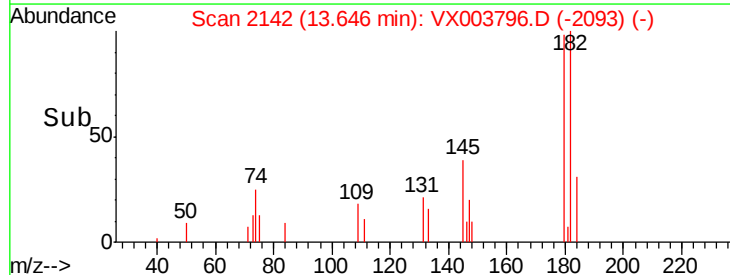
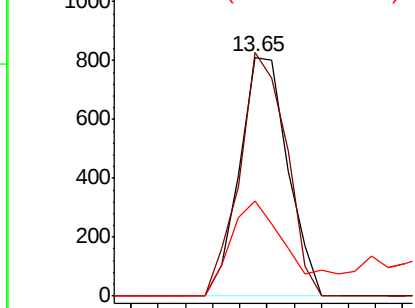


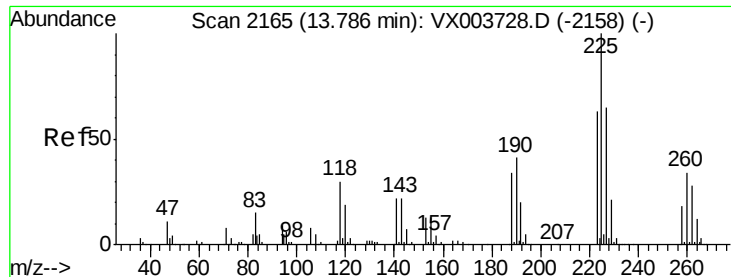
#93
1,2,4-Trichlorobenzene
Concen: 2.03 ug/l
RT: 13.65 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VX003796.D
Acq: 01 Aug 2018 16:17

Tgt Ion:180 Resp: 997
Ion Ratio Lower Upper
180 100
182 99.0 47.6 142.9
145 49.0 14.1 42.2#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.12 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX003796.D

Acq: 01 Aug 2018 16:17

Instrument :

MSVOA_X

ClientSampled :

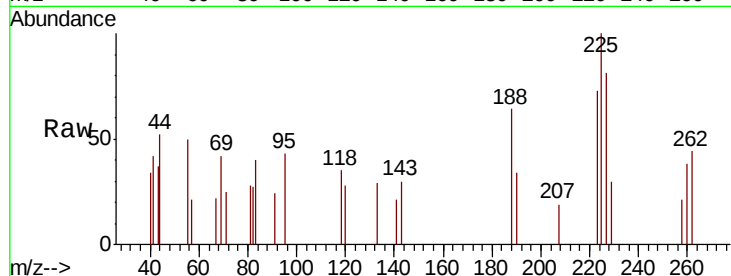
Tot Ion:225 Resp: 353

Ion Ratio Lower Upper

225 100

223 62.0 31.1 93.5

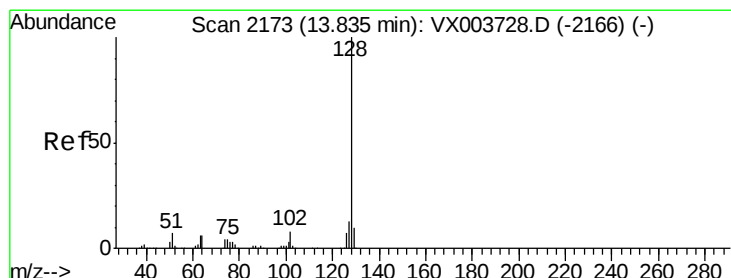
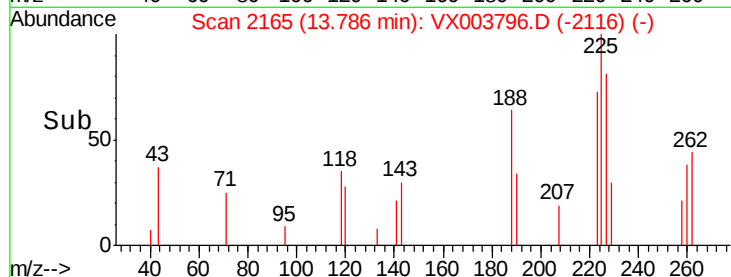
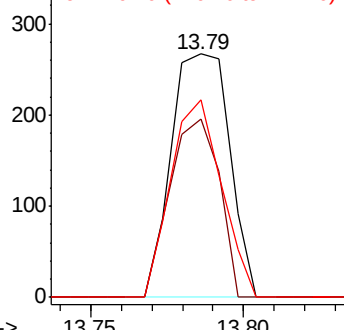
227 70.5 31.9 95.9



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



#95

Naphthalene

Concen: 5.85 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003796.D

Acq: 01 Aug 2018 16:17

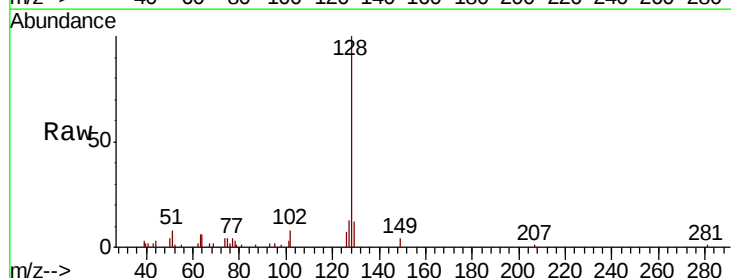
Tgt Ion:128 Resp: 6135

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

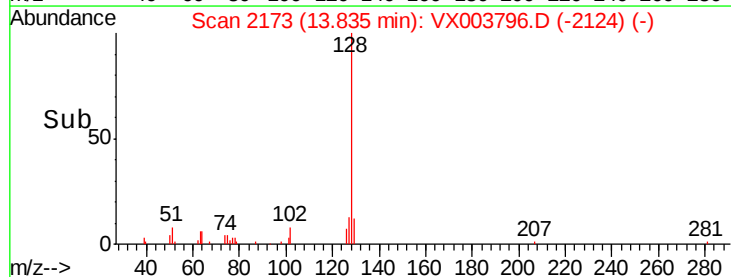
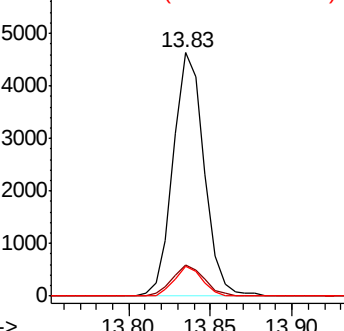
129 10.8 8.7 13.1

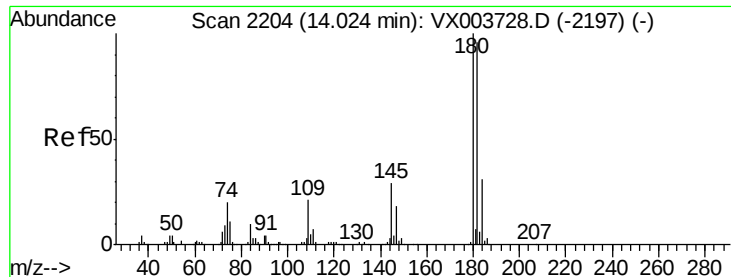


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.26 ua/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003796.D
 Acq: 01 Aug 2018 16:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.9	143.8
145	43.7	14.7	44.1

