

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005369.D
 Acq On : 16 Oct 2018 15:31
 Operator : JC/MD
 Sample : J5540-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MOSAIC-MGP-SW-101518

Quant Time: Oct 17 04:57:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	298792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	420218	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185373	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	163597	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
35) Dibromofluoromethane	5.51	113	141221	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	8.71	98	501293	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	11.14	95	166185	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

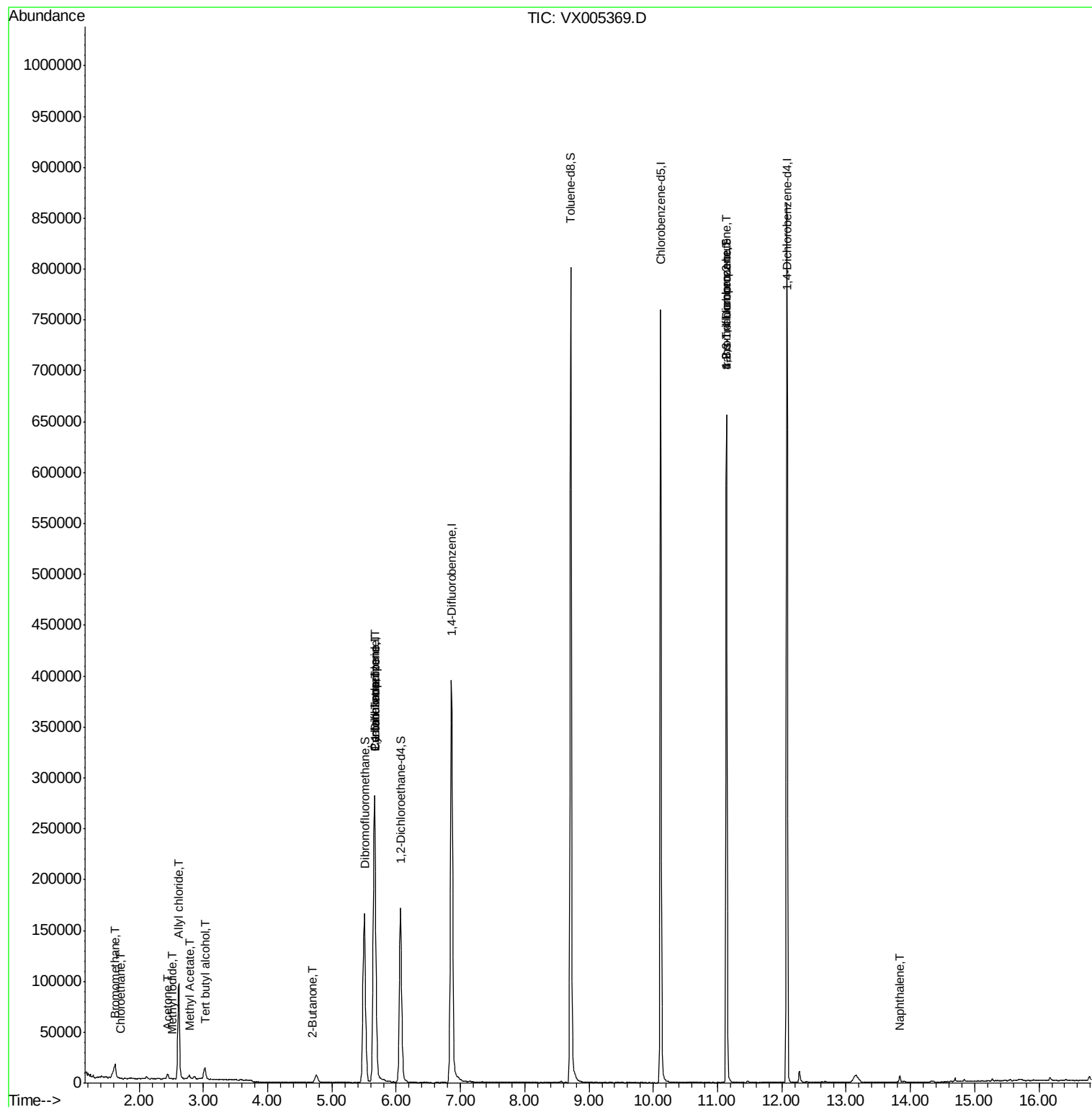
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	652	0.917	ug/l #	77
6) Chloroethane	1.71	64	84	0.372	ug/l #	44
10) Methyl Iodide	2.51	142	63	2.509	ug/l #	41
11) Tert butyl alcohol	3.03	59	7457	7.972	ug/l #	77
13) Acrolein	2.29	56	104	Below Cal	#	16
14) Allyl chloride	2.62	41	9418	1.639	ug/l #	63
16) Acetone	2.44	43	4835	2.522	ug/l	94
18) Methyl Acetate	2.78	43	4327	0.793	ug/l	94
20) Methylene Chloride	2.85	84	1198	Below Cal	#	58
25) 2-Butanone	4.70	43	750	0.267	ug/l #	67
31) Cyclohexane	5.66	56	5012	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19994	4.913	ug/l #	49
38) Carbon Tetrachloride	5.66	117	25791	6.307	ug/l #	16
44) Trichloroethene	7.21	130	30	Below Cal		4
76) 1,2,3-Trichloropropane	11.14	75	82078	22.827	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	82078	69.358	ug/l #	10
95) Naphthalene	13.83	128	4446	0.348	ug/l	97

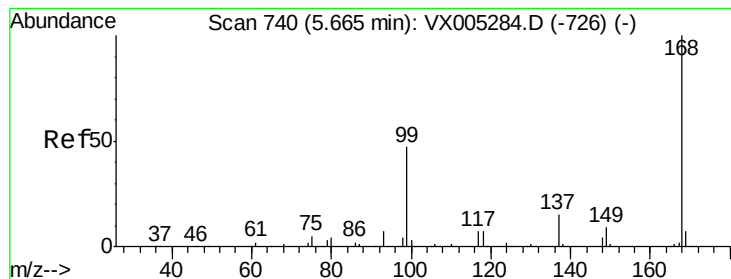
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

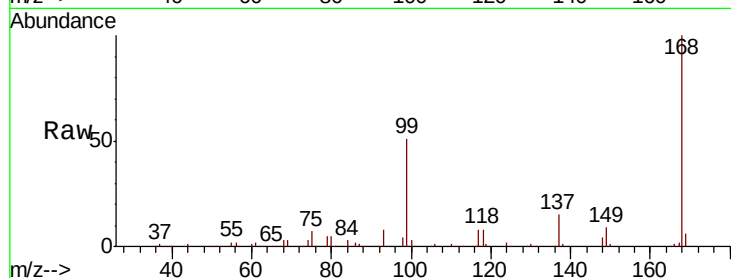
MOSAIC-MGP-SW-101518

Tgt Ion:168 Resp: 298792

Ion Ratio Lower Upper

168 100

99 51.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

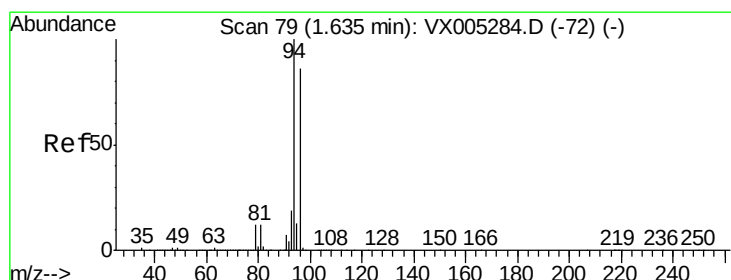
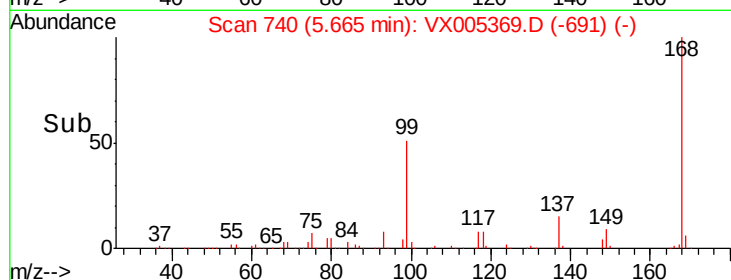
40000

20000

0

Time-->

5.60 5.80



#5

Bromomethane

Concen: 0.917 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005369.D

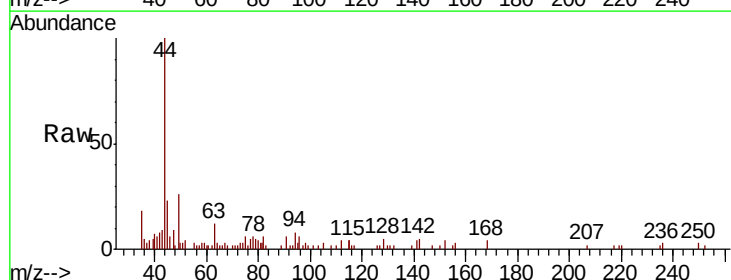
Acq: 16 Oct 2018 15:31

Tgt Ion: 94 Resp: 652

Ion Ratio Lower Upper

94 100

96 70.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

150

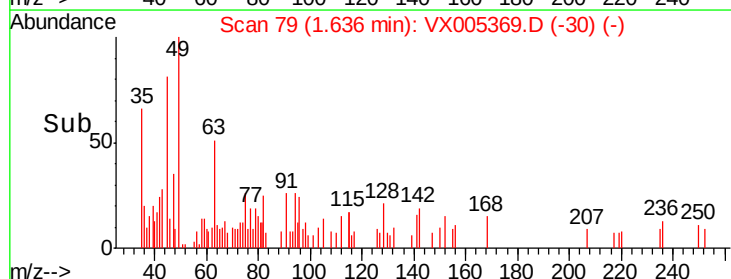
100

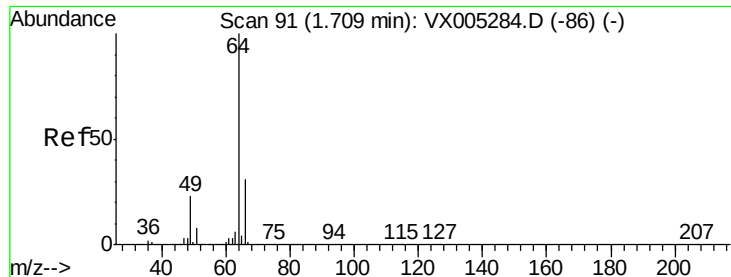
50

0

Time-->

1.55 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.372 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

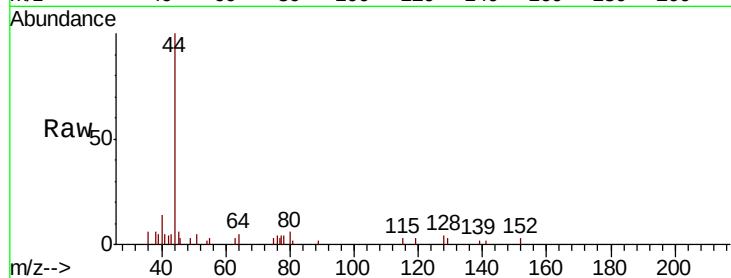
MOSAIC-MGP-SW-101518

Tgt Ion: 64 Resp: 84

Ion Ratio Lower Upper

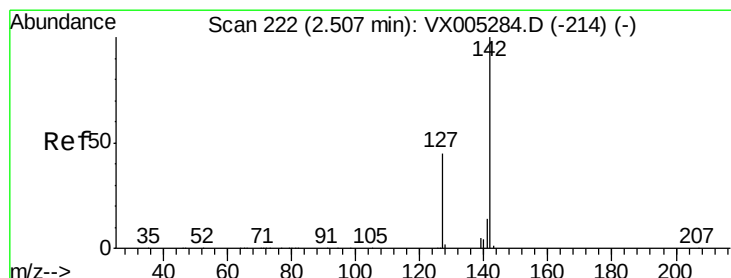
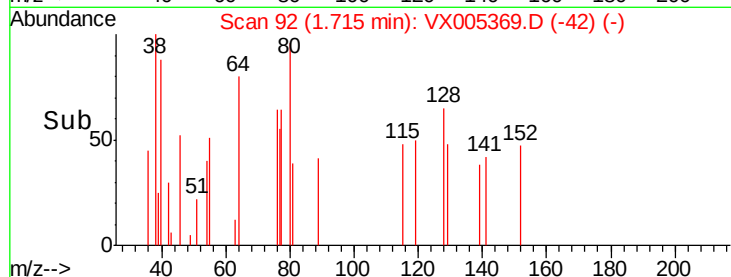
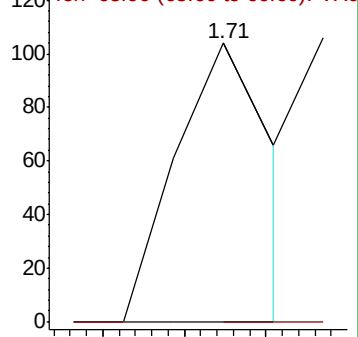
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.509 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

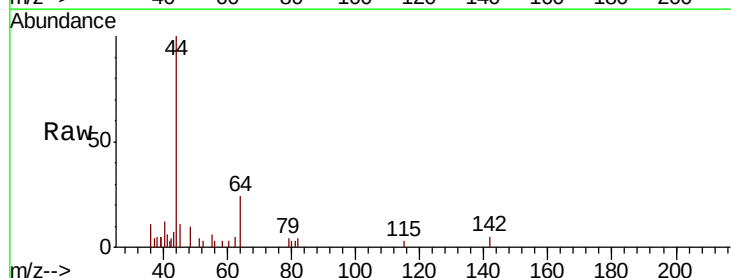
Tgt Ion: 142 Resp: 63

Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

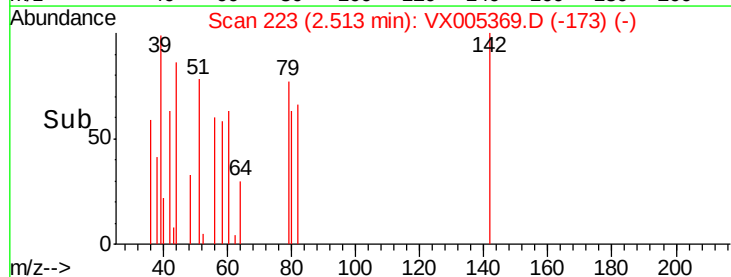
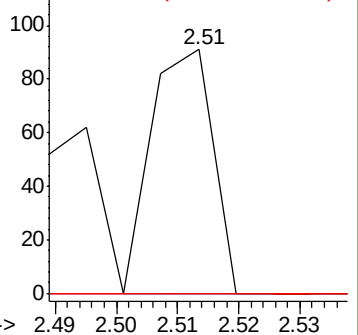
141 0.0 11.4 17.0#

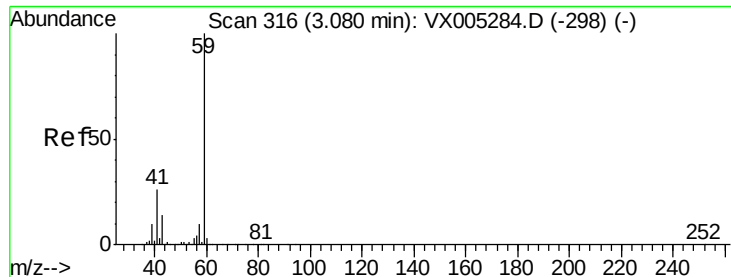


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



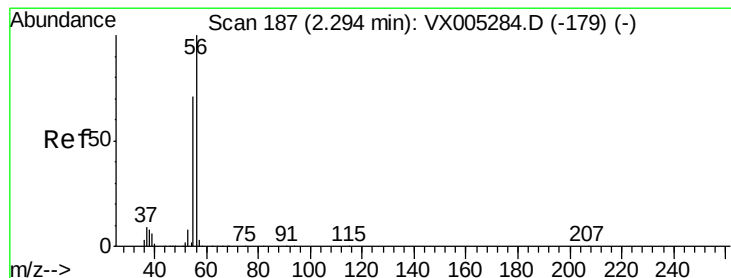
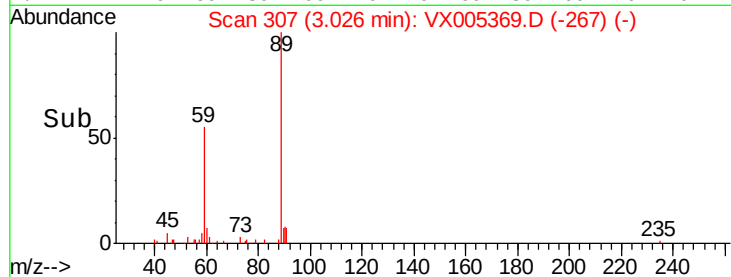
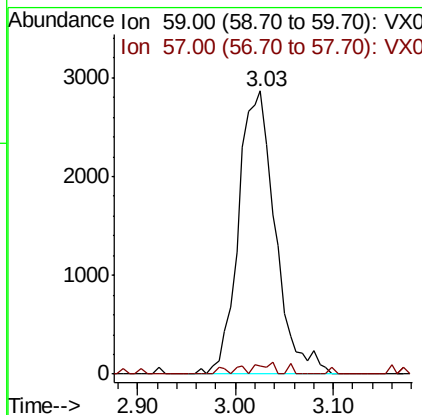
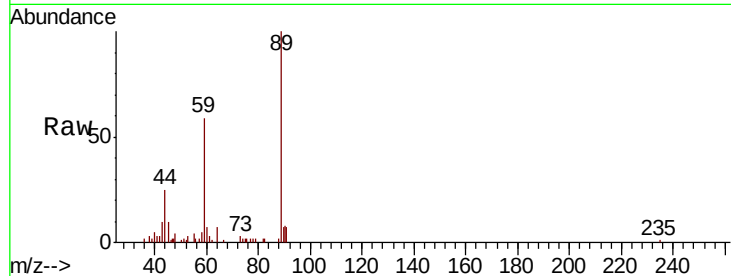


#11

Tert butyl alcohol
 Concen: 7.972 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX005369.D
 Acq: 16 Oct 2018 15:31

Instrument :
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 MOSAIC-MGP-SW-101518

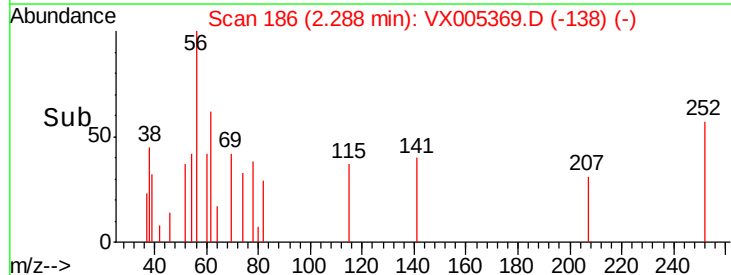
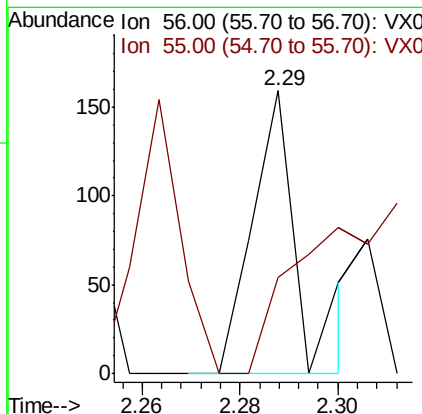
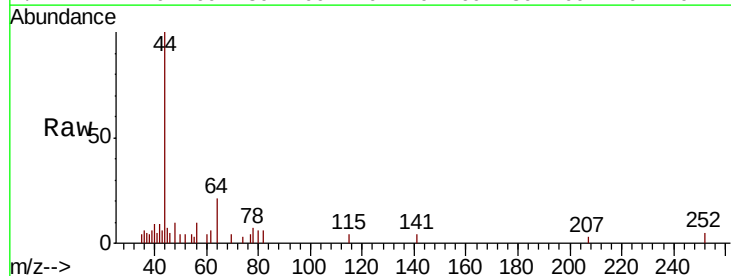
Tgt Ion: 59 Resp: 7457
 Ion Ratio Lower Upper
 59 100
 57 1.8 8.2 12.4#

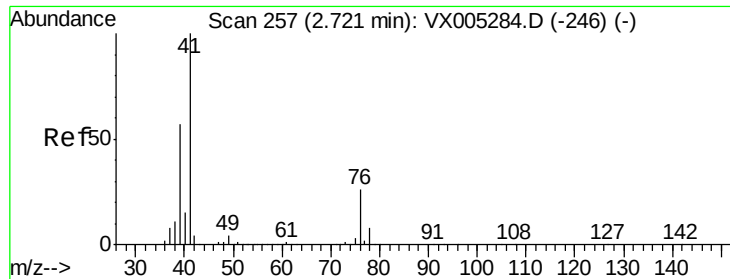


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX005369.D
 Acq: 16 Oct 2018 15:31

Tgt Ion: 56 Resp: 104
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#

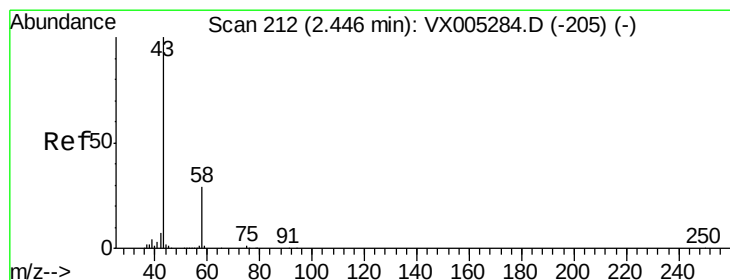
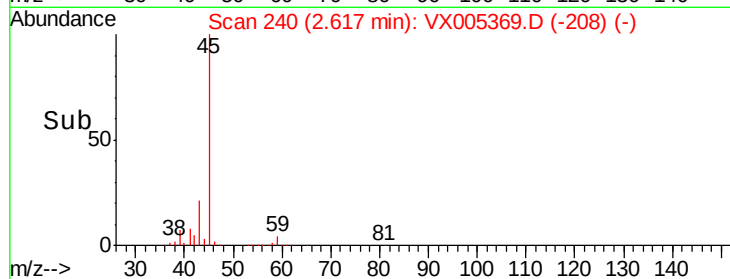
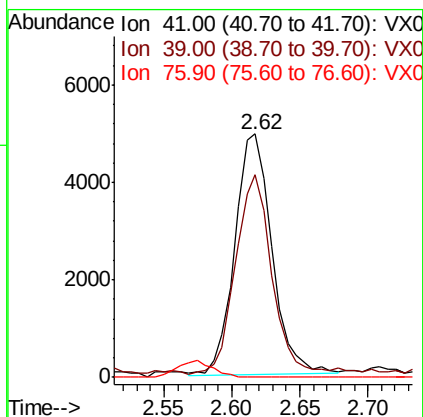
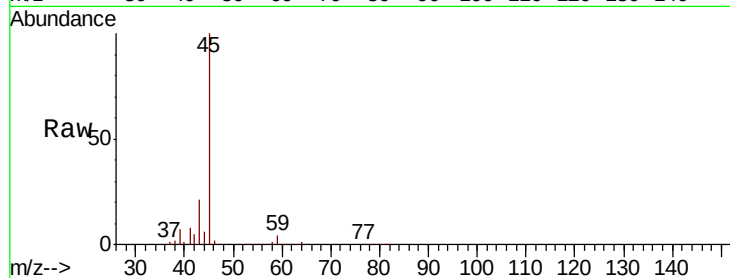




#14
 Allyl chloride
 Concen: 1.639 ug/l
 RT: 2.62 min Scan# 240
 Delta R.T. -0.10 min
 Lab File: VX005369.D
 Acq: 16 Oct 2018 15:31

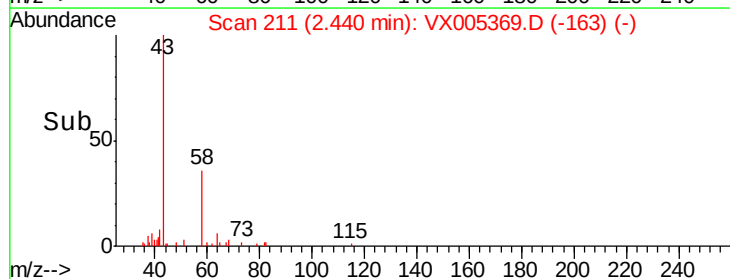
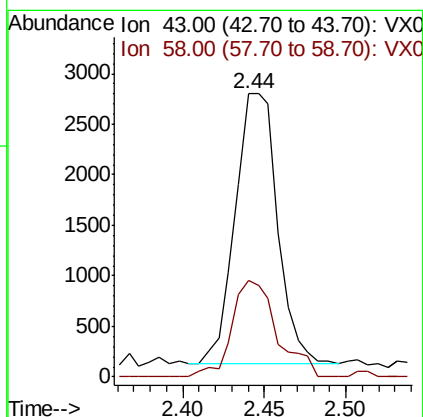
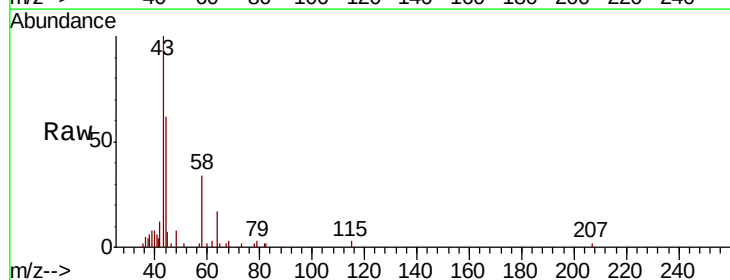
Instrument :
 MSVOA_X
 ClientSampleId :
 MOSAIC-MGP-SW-101518

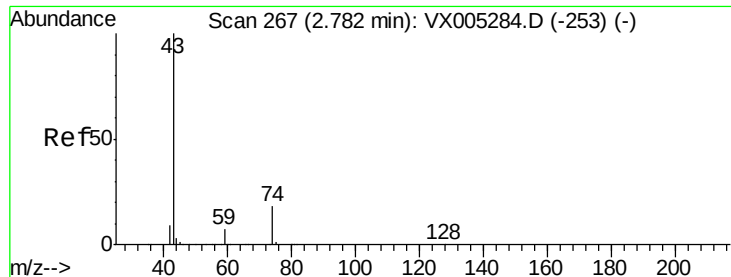
Tgt Ion: 41 Resp: 9418
 Ion Ratio Lower Upper
 41 100
 39 80.2 48.9 73.3#
 76 0.0 26.7 40.1#



#16
 Acetone
 Concen: 2.522 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX005369.D
 Acq: 16 Oct 2018 15:31

Tgt Ion: 43 Resp: 4835
 Ion Ratio Lower Upper
 43 100
 58 35.9 26.2 39.4

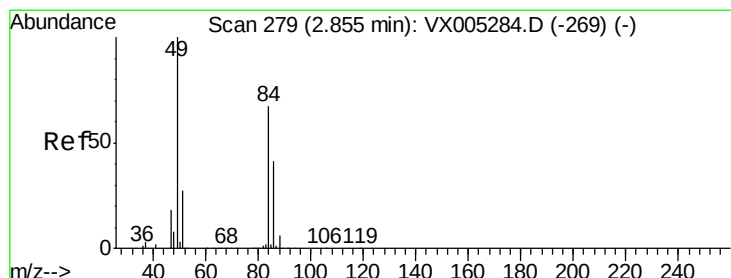
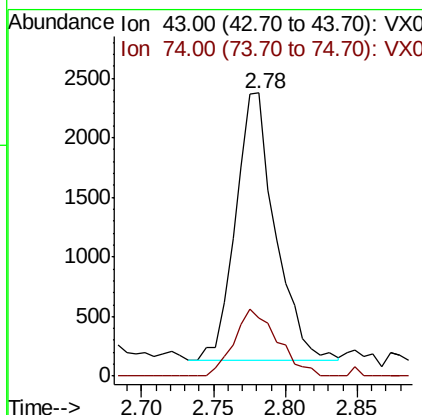
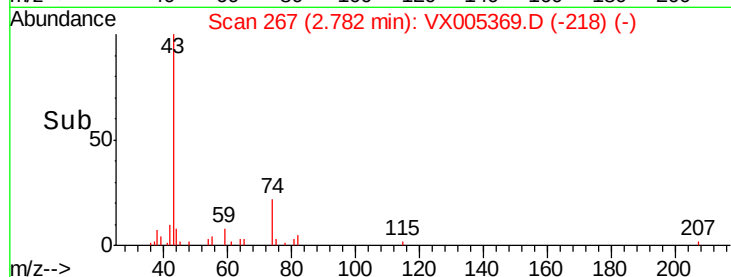
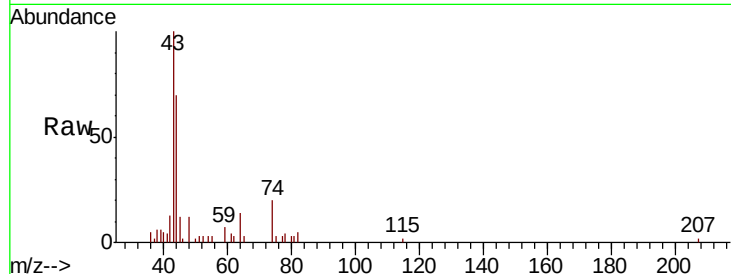




#18
Methyl Acetate
Concen: 0.793 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005369.D
Acq: 16 Oct 2018 15:31

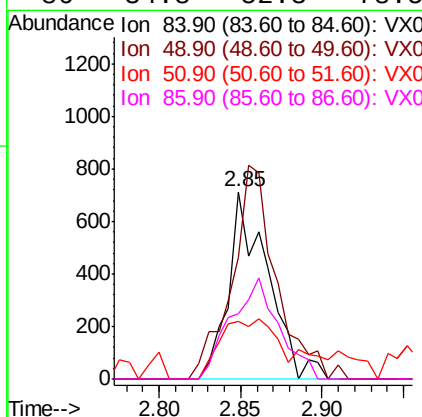
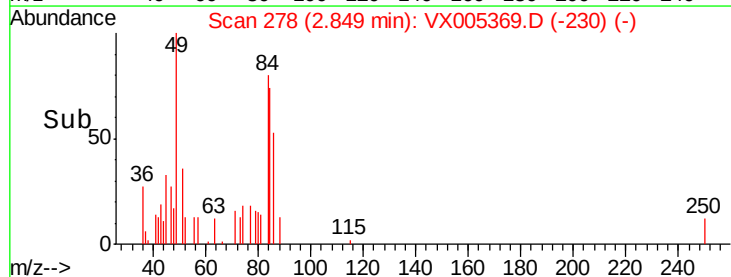
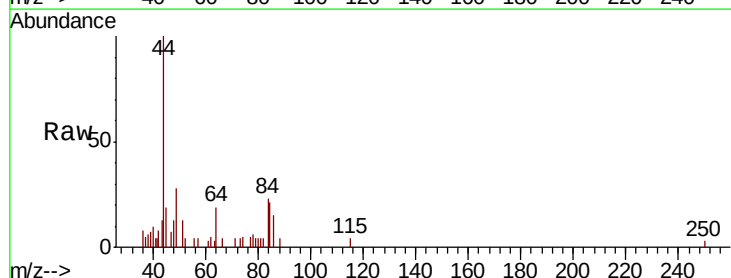
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MSVOA_X
ClientSampleId :
MOSAIC-MGP-SW-101518

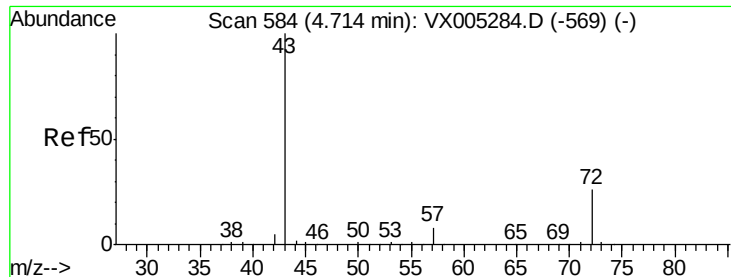
Tgt Ion: 43 Resp: 4327
Ion Ratio Lower Upper
43 100
74 27.2 19.4 29.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX005369.D
Acq: 16 Oct 2018 15:31

Tgt Ion: 84 Resp: 1198
Ion Ratio Lower Upper
84 100
49 65.1 101.2 151.8#
51 30.6 29.5 44.3
86 34.8 52.3 78.5#





#25

2-Butanone

Concen: 0.267 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

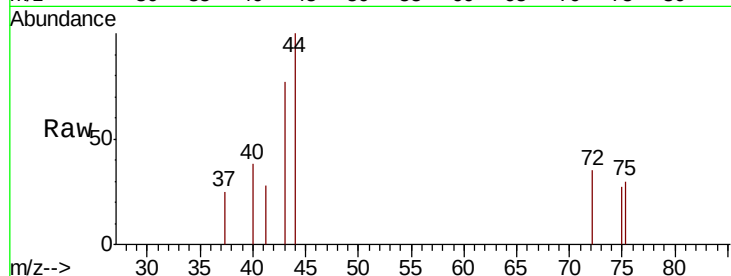
MOSAIC-MGP-SW-101518

Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

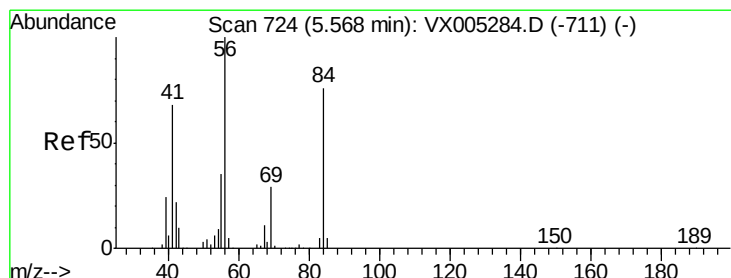
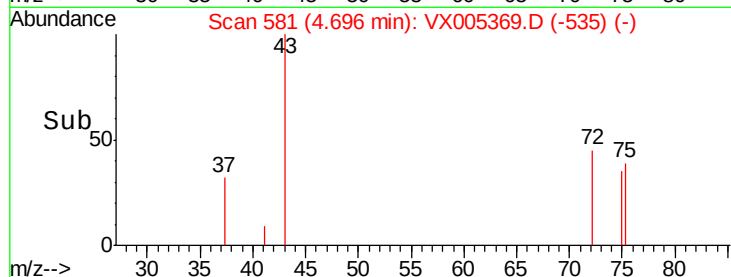
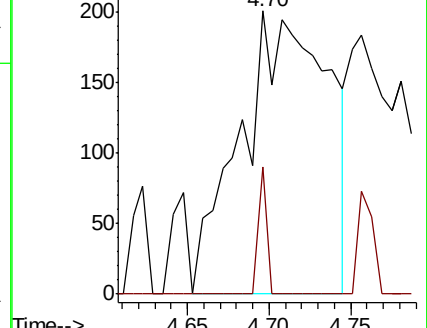
43 100

72 44.8 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.099 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

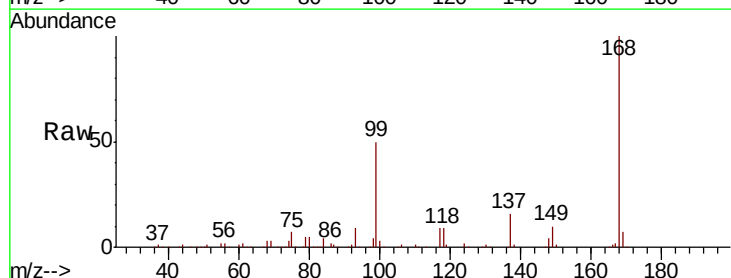
Tgt Ion: 56 Resp: 5012

Ion Ratio Lower Upper

56 100

69 164.9 25.4 38.2#

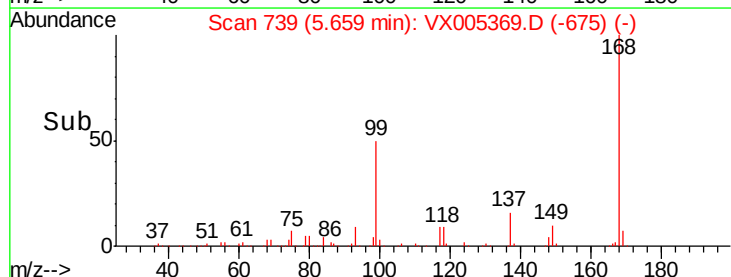
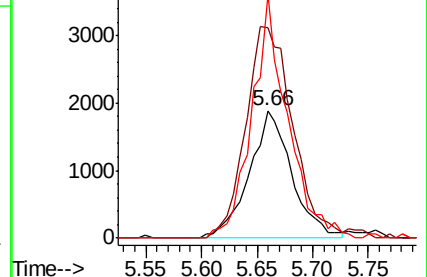
84 191.4 71.4 107.2#

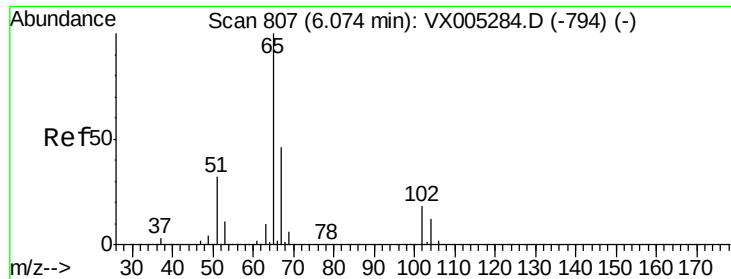


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

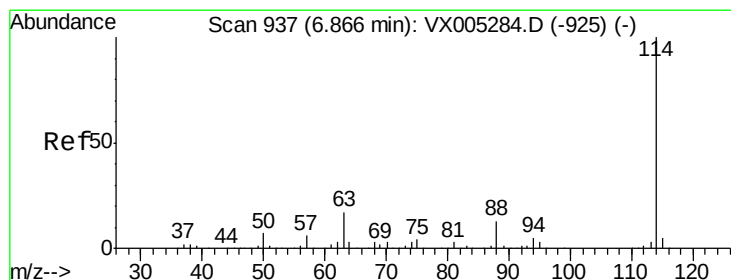
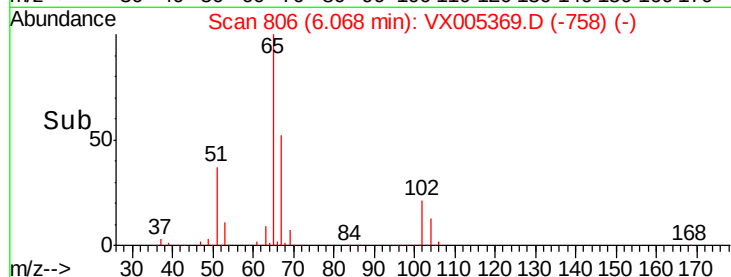
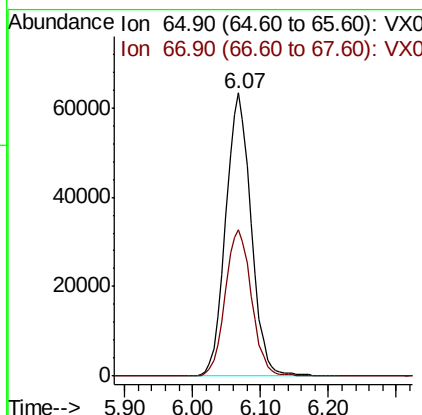
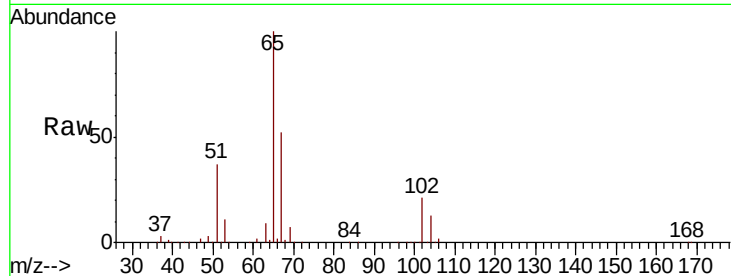




#33
 1,2-Dichloroethane-d4
 Concen: 49.334 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005369.D
 Acq: 16 Oct 2018 15:31

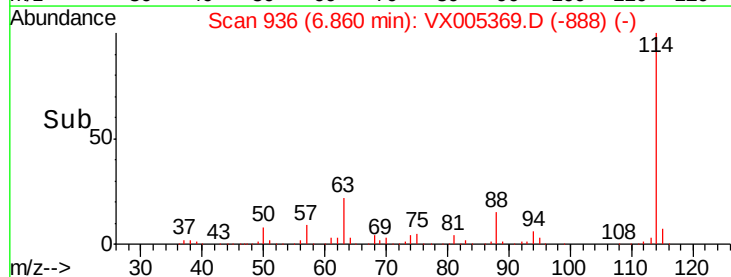
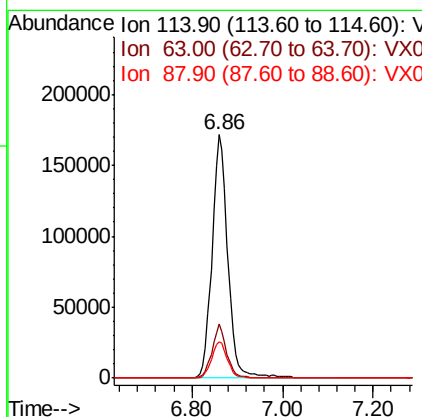
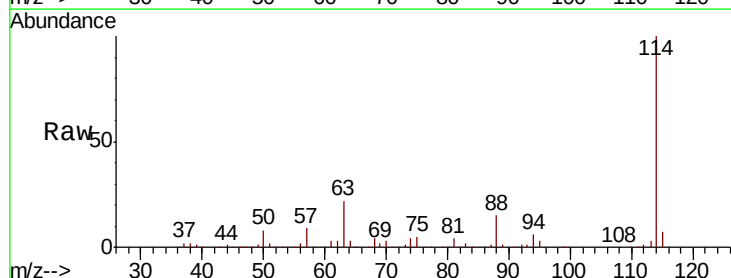
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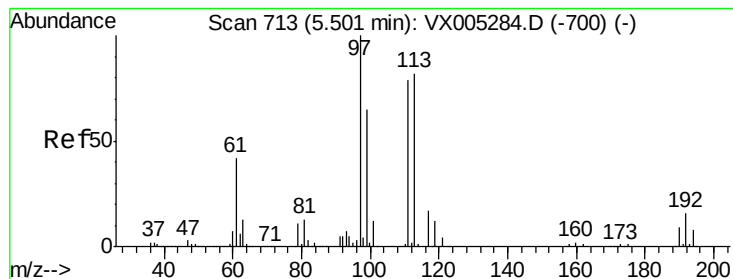
Tgt Ion: 65 Resp: 163597
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005369.D
 Acq: 16 Oct 2018 15:31

Tgt Ion: 114 Resp: 420218
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 39.0
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.740 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

MOSAIC-MGP-SW-101518

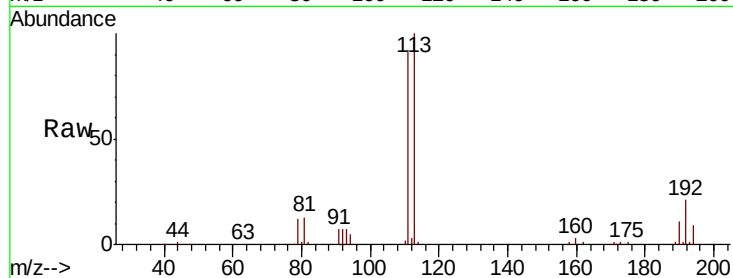
Tgt Ion: 113 Resp: 141221

Ion Ratio Lower Upper

113 100

111 99.5 82.4 123.6

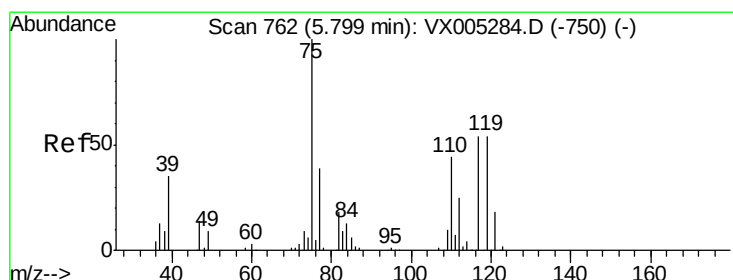
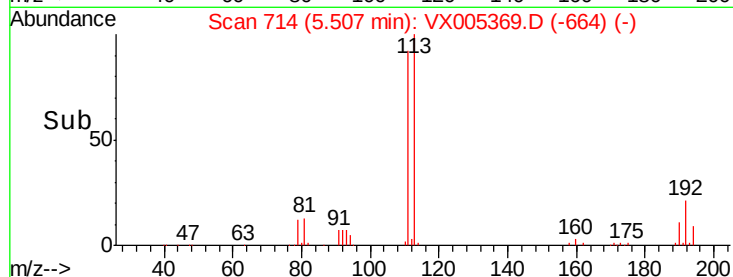
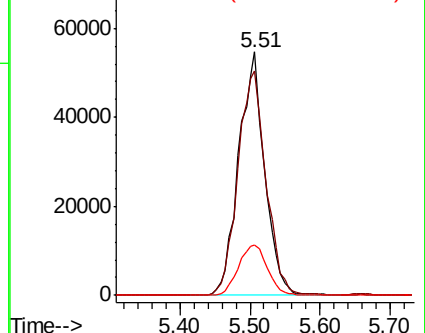
192 23.0 19.4 29.2



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: 4.913 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

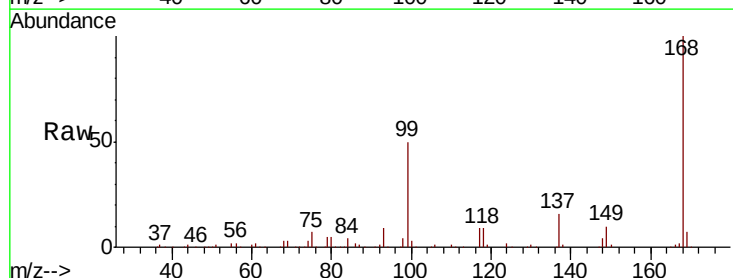
Tgt Ion: 75 Resp: 19994

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

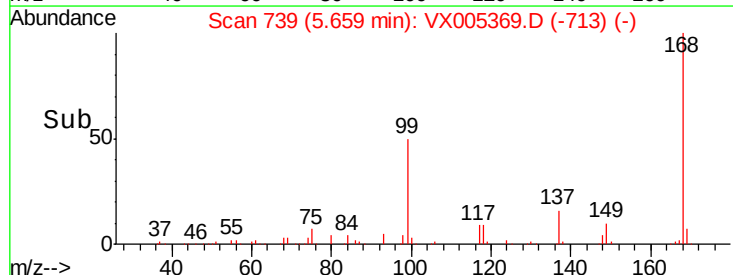
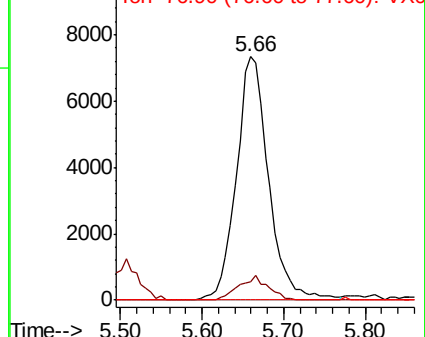
77 0.0 24.6 36.8#

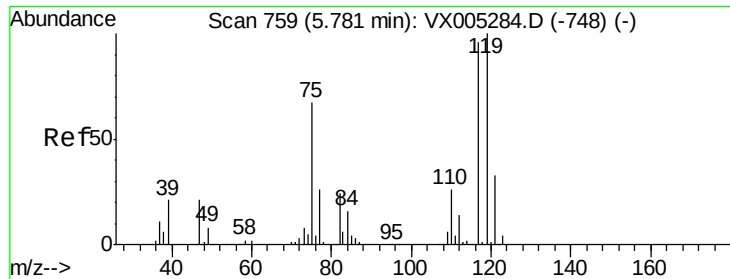


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.307 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

MOSAIC-MGP-SW-101518

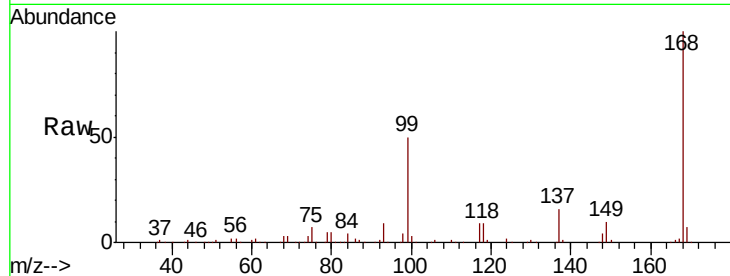
Tgt Ion:117 Resp: 25791

Ion Ratio Lower Upper

117 100

119 7.2 78.8 118.2#

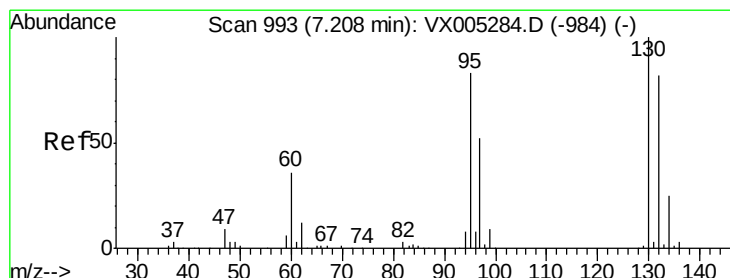
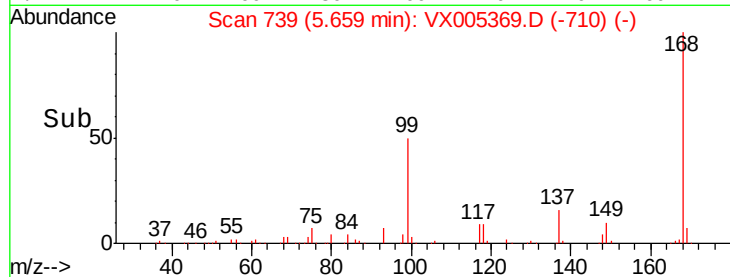
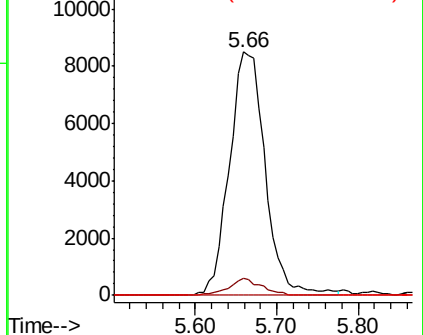
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005369.D

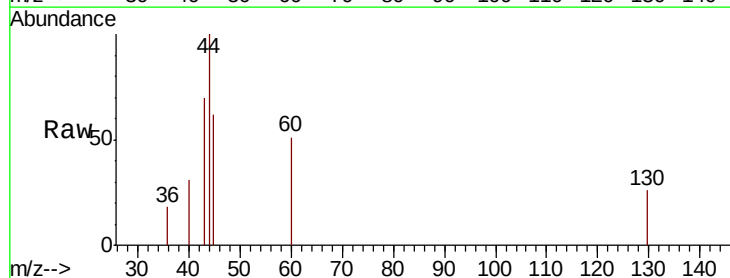
Acq: 16 Oct 2018 15:31

Tgt Ion:130 Resp: 30

Ion Ratio Lower Upper

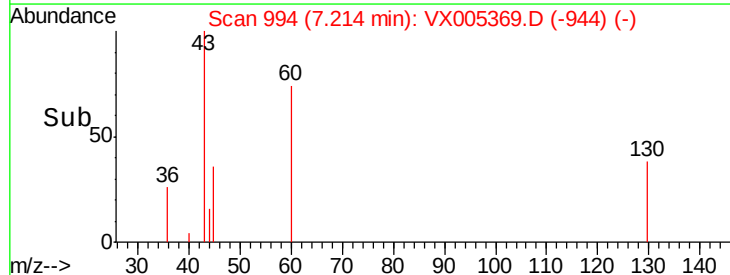
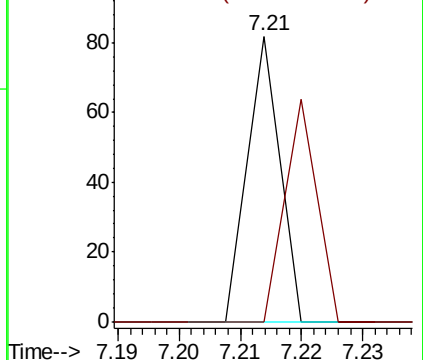
130 100

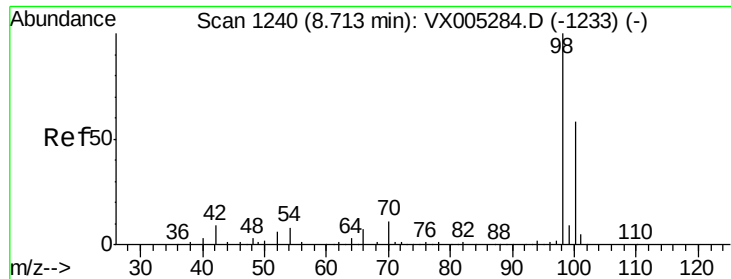
95 0.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

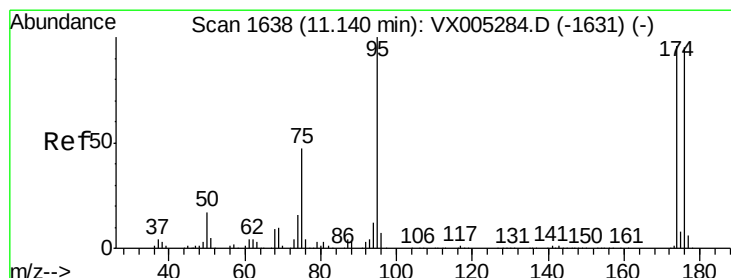
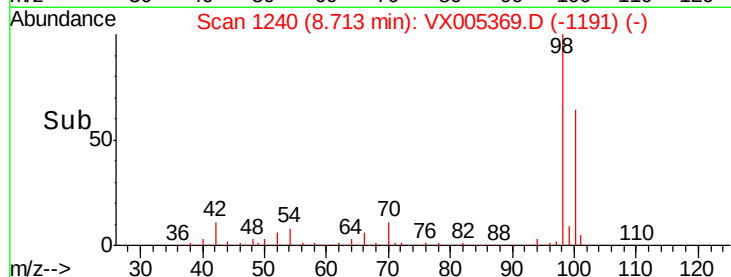
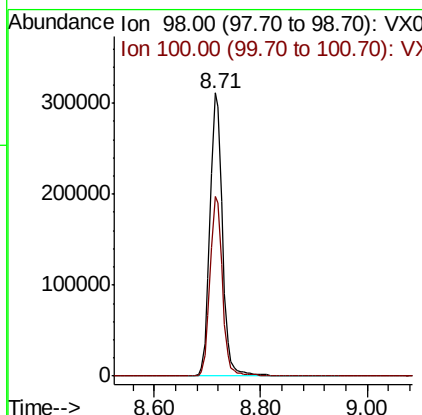
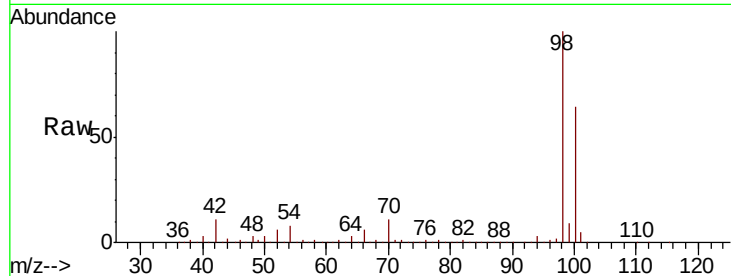




#50
Toluene-d8
Concen: 52.464 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005369.D
Acq: 16 Oct 2018 15:31

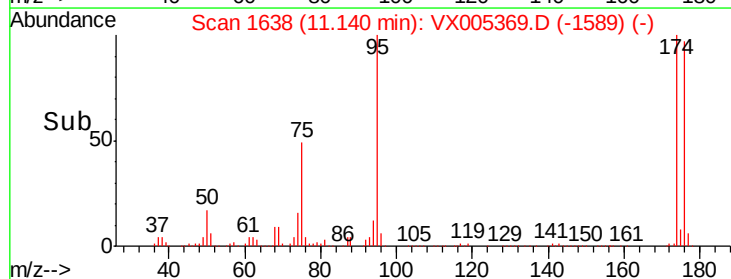
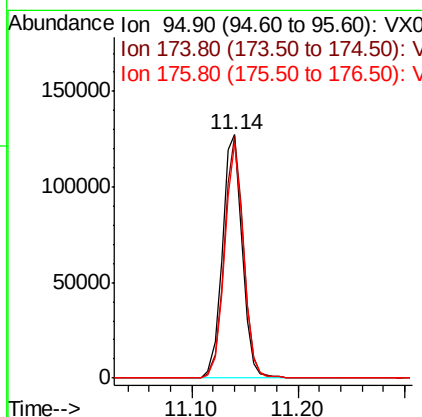
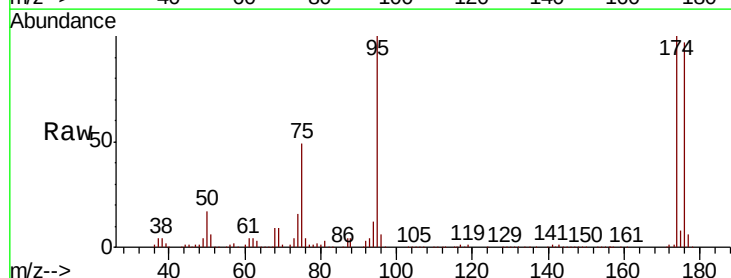
Instrument :
MSVOA_X
ClientSampleId :
MOSAIC-MGP-SW-101518

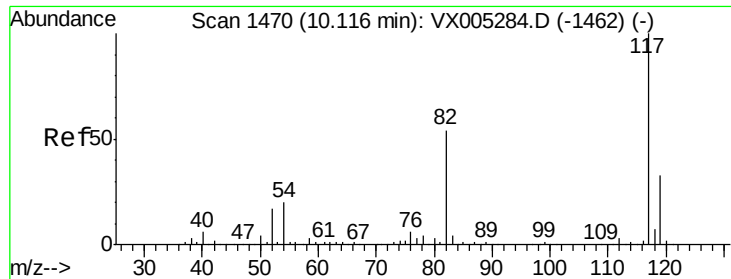
Tgt Ion: 98 Resp: 501293
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 46.298 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005369.D
Acq: 16 Oct 2018 15:31

Tgt Ion: 95 Resp: 166185
Ion Ratio Lower Upper
95 100
174 96.6 0.0 185.2
176 92.2 0.0 178.6

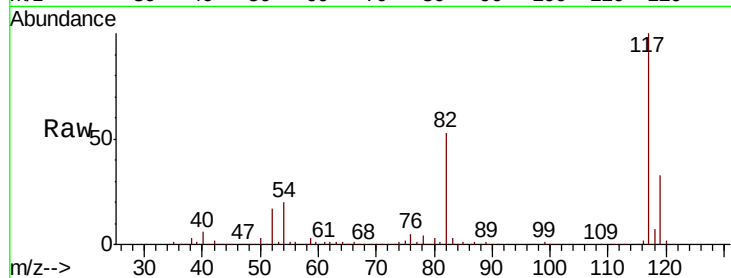




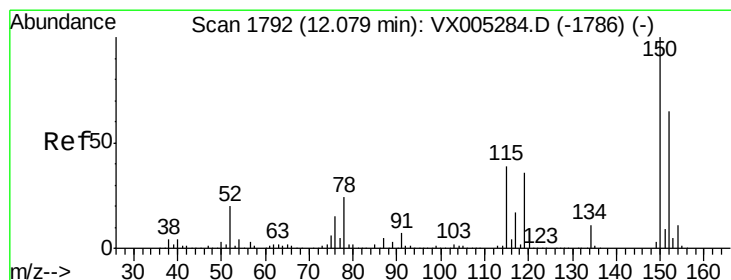
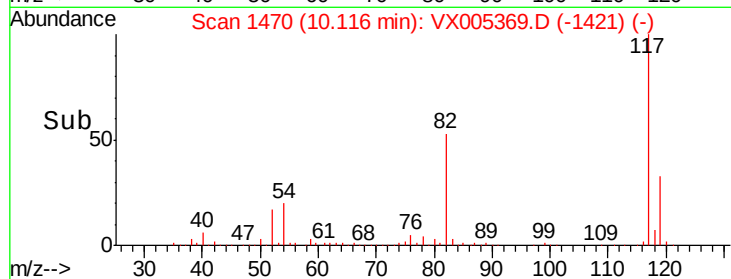
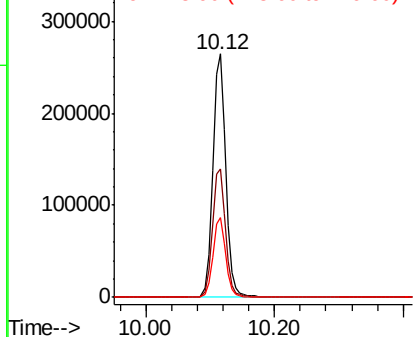
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VX005369.D
 Acq: 16 Oct 2018 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MOSAIC-MGP-SW-101518

Tgt Ion:117 Resp: 374003
 Ion Ratio Lower Upper
 117 100
 82 52.5 47.8 71.6
 119 32.9 29.3 43.9

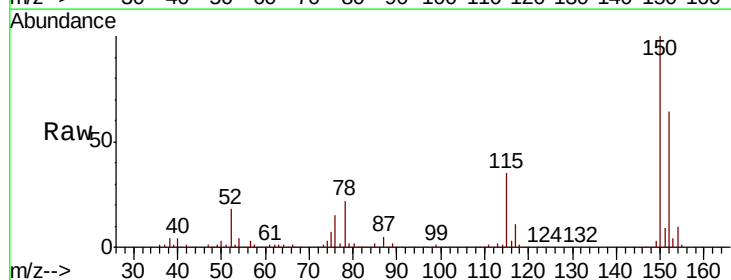


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

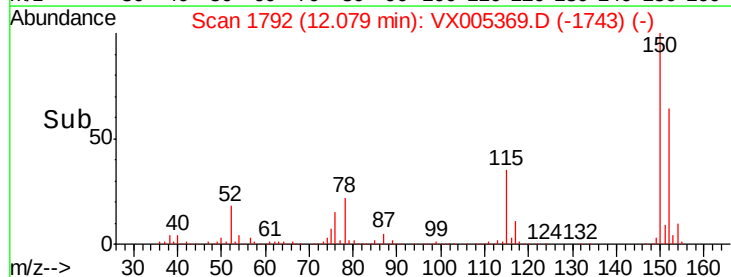
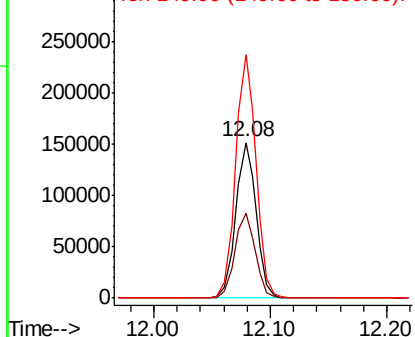


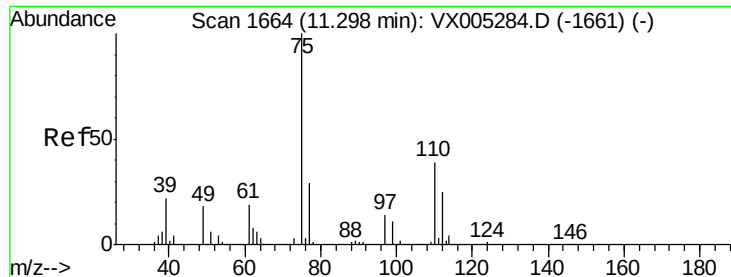
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX005369.D
 Acq: 16 Oct 2018 15:31

Tgt Ion:152 Resp: 185373
 Ion Ratio Lower Upper
 152 100
 115 54.7 39.0 117.0
 150 156.4 0.0 351.0



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: 22.827 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

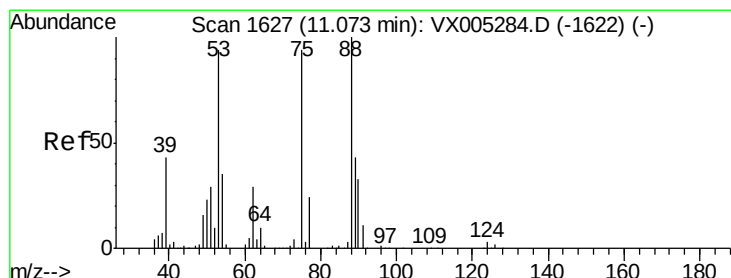
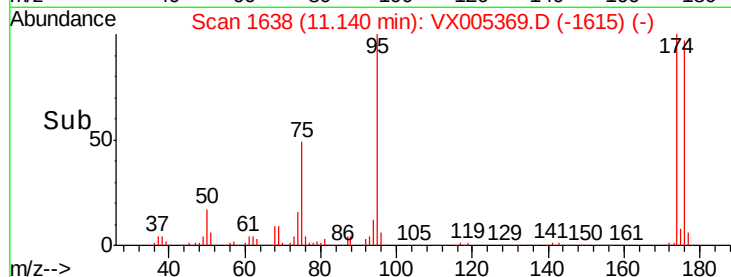
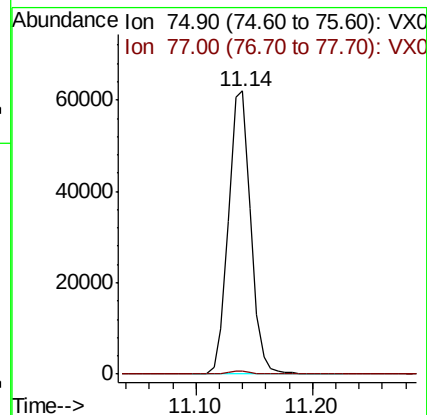
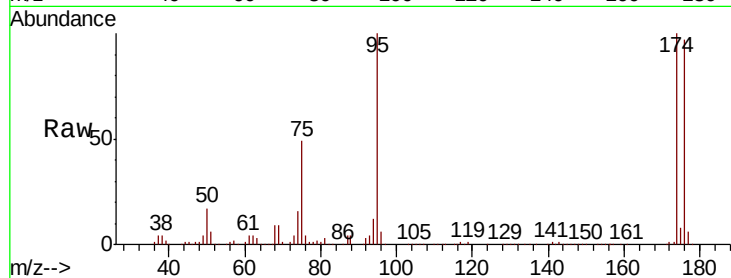
MOSAIC-MGP-SW-101518

Tgt Ion: 75 Resp: 82078

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.358 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005369.D

Acq: 16 Oct 2018 15:31

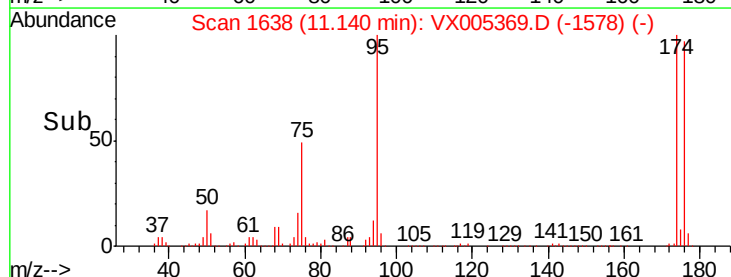
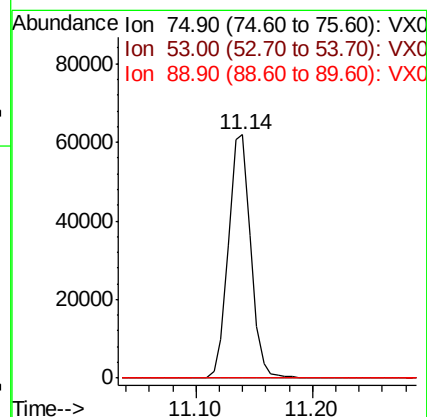
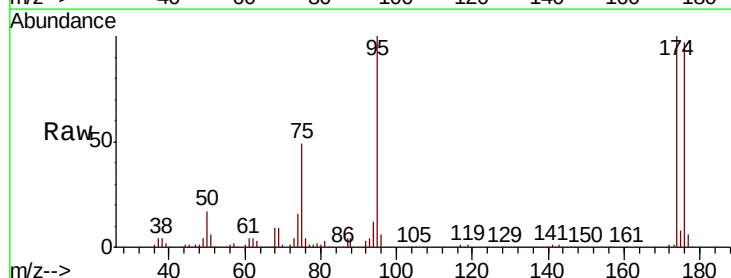
Tgt Ion: 75 Resp: 82078

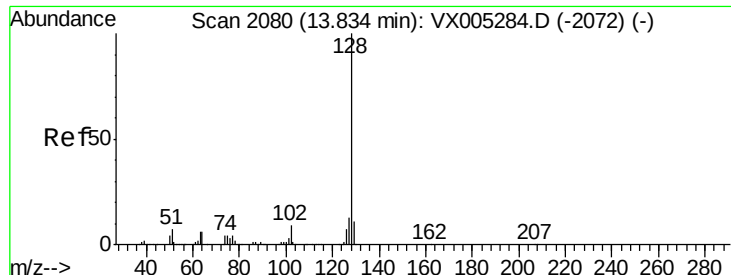
Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.348 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005369.D
Acq: 16 Oct 2018 15:31

Instrument :
MSVOA_X
ClientSampleId :
MOSAIC-MGP-SW-101518

Tgt Ion:128 Resp: 4446
Ion Ratio Lower Upper
128 100
127 14.5 10.2 15.2
129 10.4 8.6 12.8

