

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005424.D
 Acq On : 18 Oct 2018 12:37
 Operator : JC/MD
 Sample : J5573-02
 Misc : 5.11g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 0692-KM-CA-AMD-COMP

Quant Time: Oct 19 03:31:05 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	5.66	168	307004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	455577	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	412419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221857	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	166270	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	5.51	113	135628	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	
50) Toluene-d8	8.71	98	540990	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	11.14	95	196856	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	

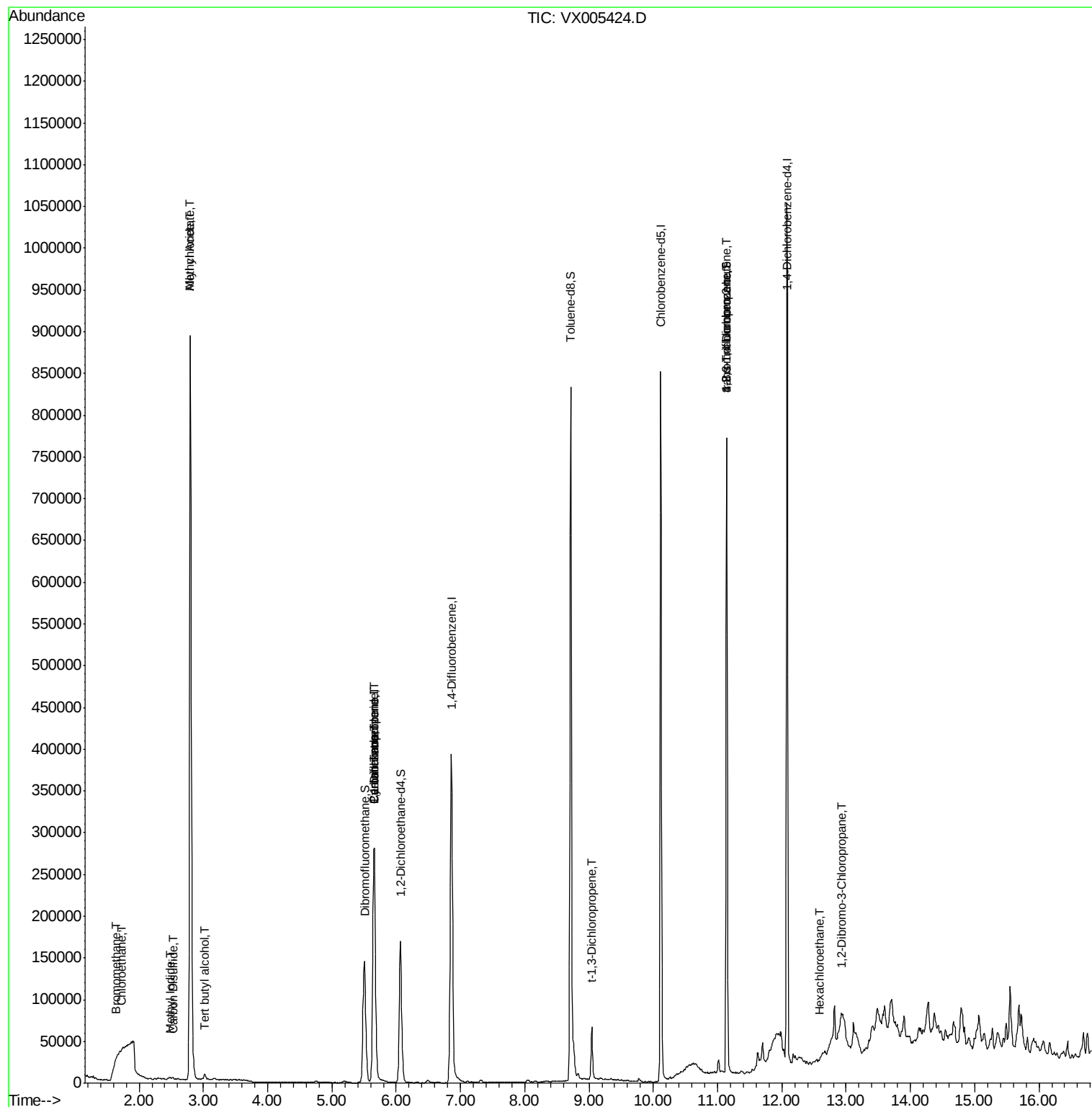
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1337	1.248	ug/l	90
6) Chloroethane	1.72	64	792	0.678	ug/l #	53
10) Methyl Iodide	2.48	142	1089	2.837	ug/l #	86
11) Tert butyl alcohol	3.02	59	4039	4.202	ug/l #	79
13) Acrolein	2.31	56	224	Below Cal	#	37
14) Allyl chloride	2.79	41	14082	2.385	ug/l #	34
17) Carbon Disulfide	2.53	76	2068	0.254	ug/l #	91
18) Methyl Acetate	2.79	43	1193339	212.916	ug/l	94
20) Methylene Chloride	2.84	84	815	Below Cal	#	86
31) Cyclohexane	5.66	56	5184	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	20103	4.556	ug/l #	49
38) Carbon Tetrachloride	5.65	117	26590	5.998	ug/l #	15
44) Trichloroethene	7.20	130	99	Below Cal		6
53) t-1,3-Dichloropropene	9.04	75	1281	0.299	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	95551	22.204	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	95551	67.465	ug/l #	10
90) Hexachloroethane	12.58	117	493	0.234	ug/l	68
92) 1,2-Dibromo-3-Chloropropan	12.92	75	288	0.237	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005424.D

Acq: 18 Oct 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

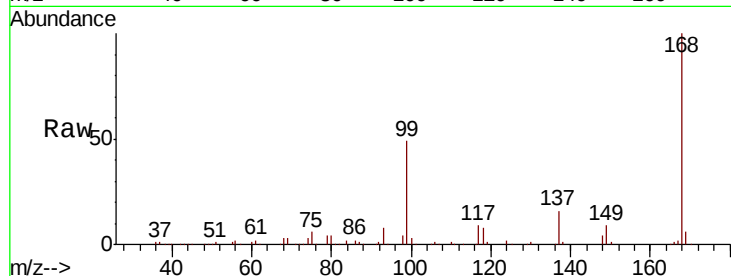
0692-KM-CA-AMD-COMP

Tot Ion:168 Resp: 307004

Ion Ratio Lower Upper

168 100

99 49.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

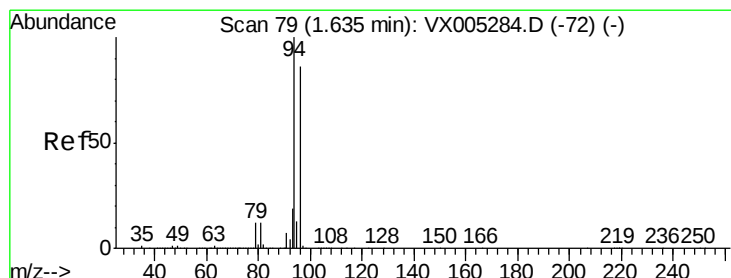
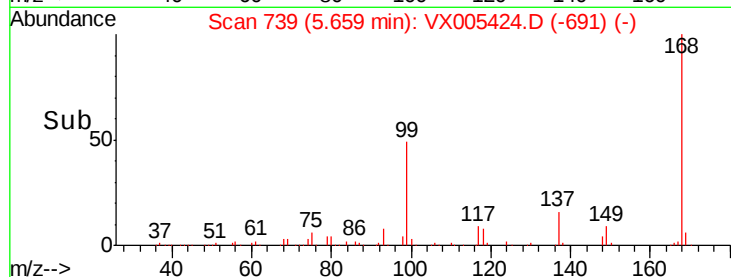
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 1.248 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005424.D

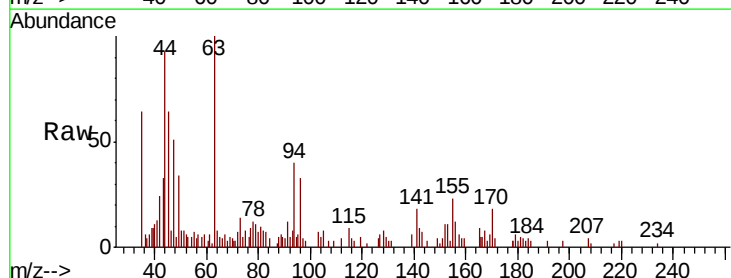
Acq: 18 Oct 2018 12:37

Tgt Ion: 94 Resp: 1337

Ion Ratio Lower Upper

94 100

96 83.3 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

1000

800

600

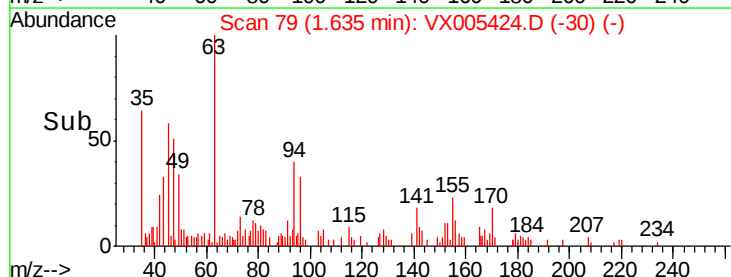
400

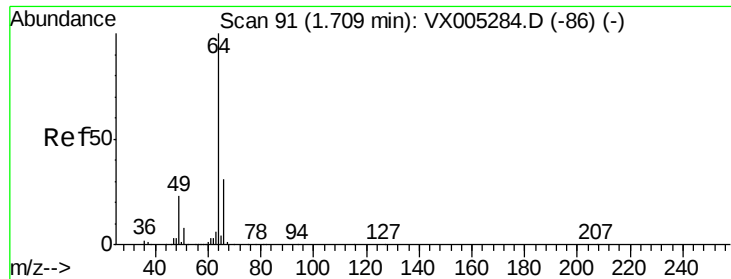
200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.678 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005424.D

Acq: 18 Oct 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

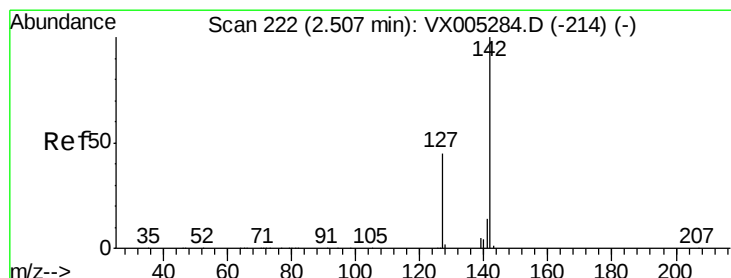
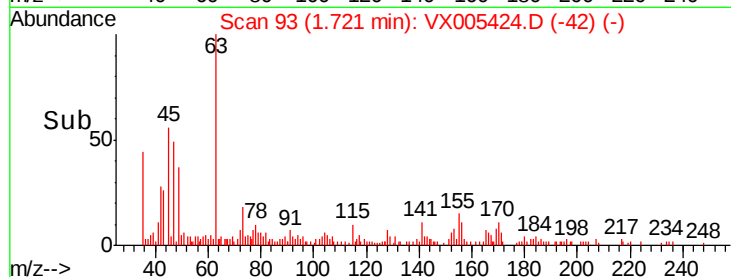
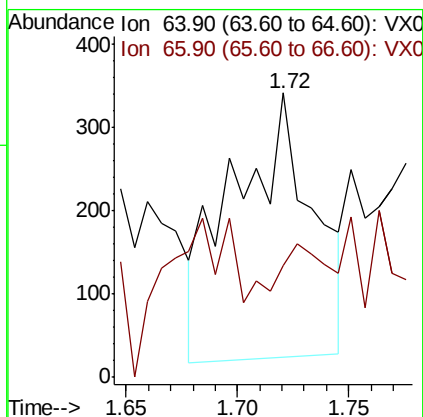
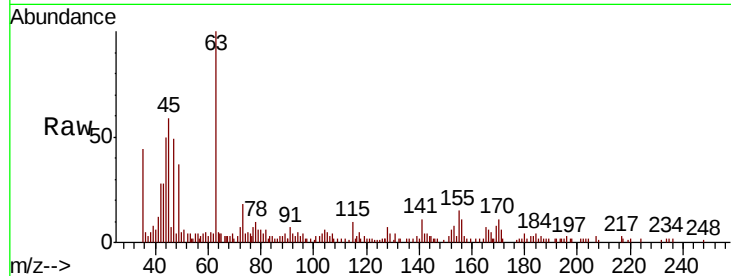
0692-KM-CA-AMD-COMP

Tot Ion: 64 Resp: 792

Ion Ratio Lower Upper

64 100

66 5.0 24.6 36.8#



#10

Methyl Iodide

Concen: 2.837 ug/l

RT: 2.48 min Scan# 218

Delta R.T. -0.02 min

Lab File: VX005424.D

Acq: 18 Oct 2018 12:37

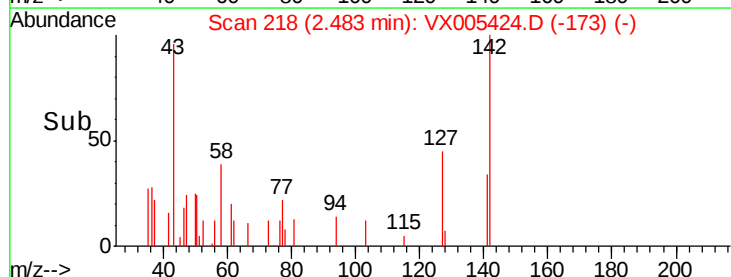
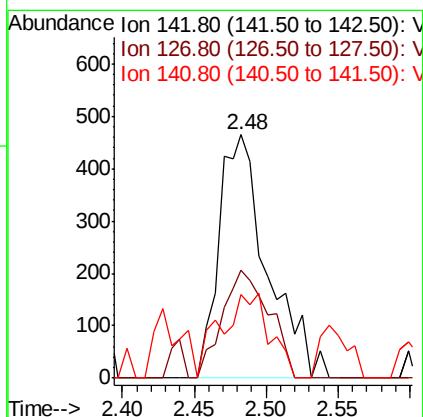
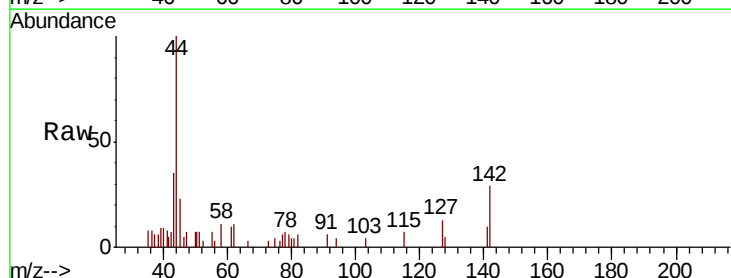
Tgt Ion: 142 Resp: 1089

Ion Ratio Lower Upper

142 100

127 43.0 33.8 50.6

141 34.9 11.4 17.0#

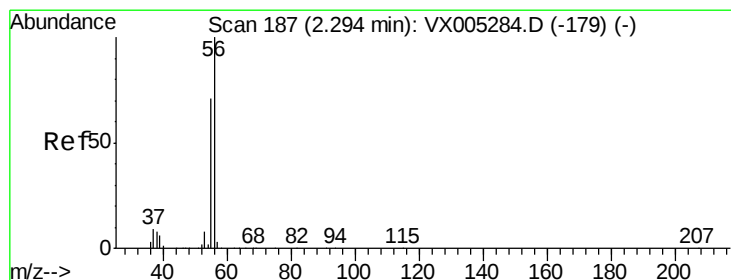
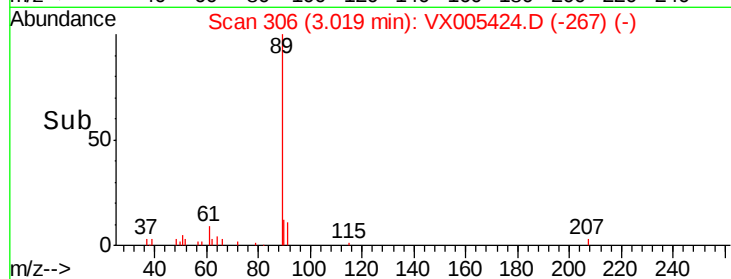
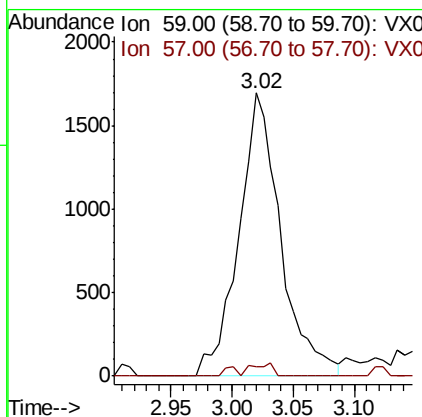
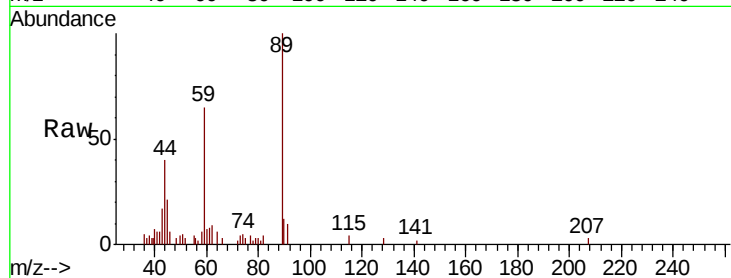




#11
Tert butyl alcohol
Concen: 4.202 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

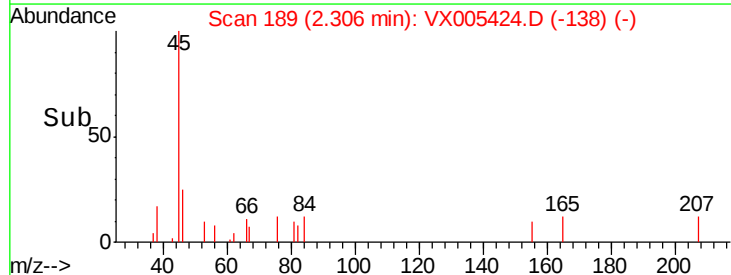
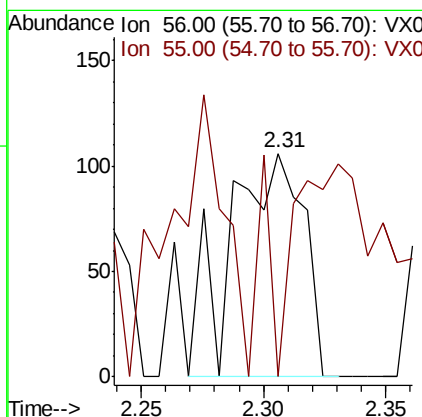
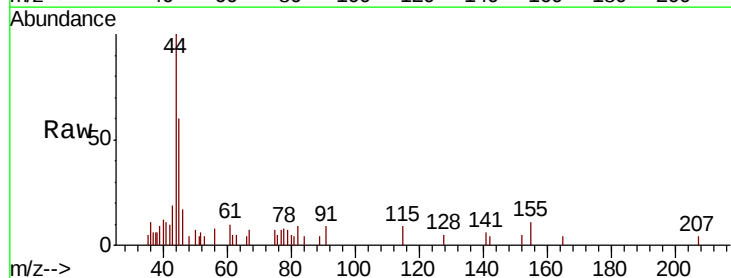
Instrument :
MSVOA_X
ClientSampleId :
0692-KM-CA-AMD-COMP

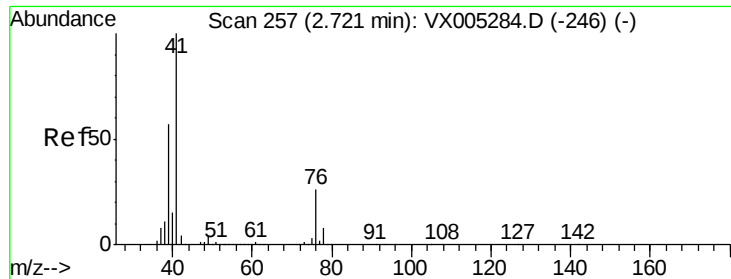
Tot Ion: 59 Resp: 4039
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
55 17.0 54.7 82.1#





#14

Allvl chloride

Concen: 2.385 ug/l

RT: 2.79 min Scan# 269

Delta R.T. 0.07 min

Lab File: VX005424.D

Acq: 18 Oct 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

0692-KM-CA-AMD-COMP

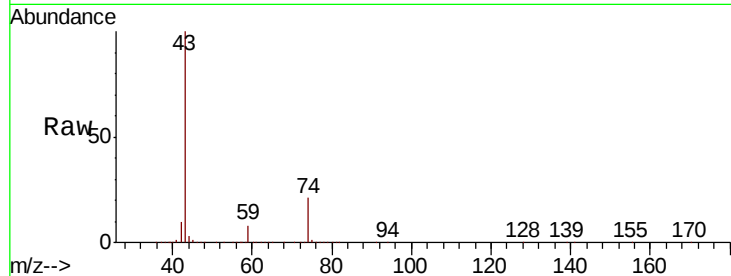
Tot Ion: 41 Resp: 14082

Ion Ratio Lower Upper

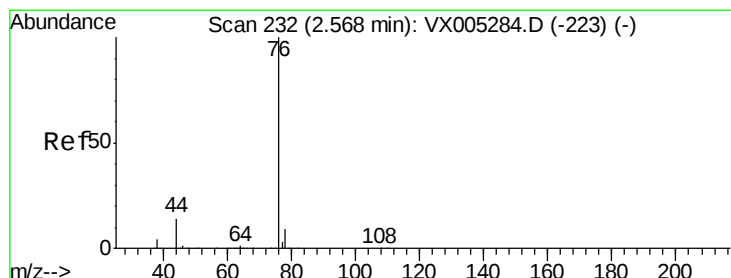
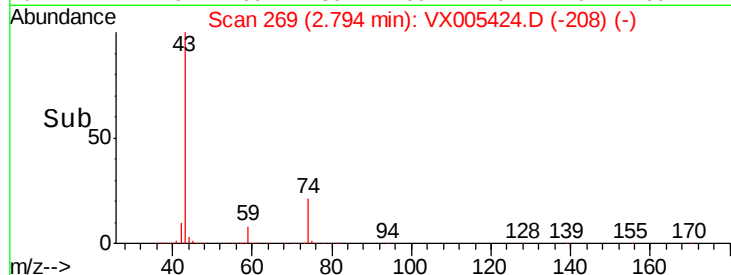
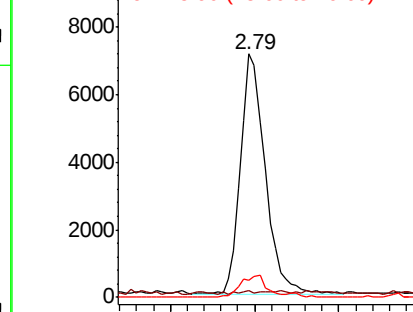
41 100

39 1.1 48.9 73.3#

76 9.3 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#17

Carbon Disulfide

Concen: 0.254 ug/l

RT: 2.53 min Scan# 225

Delta R.T. -0.04 min

Lab File: VX005424.D

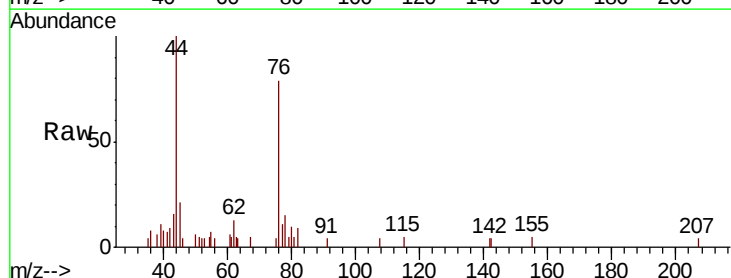
Acq: 18 Oct 2018 12:37

Tgt Ion: 76 Resp: 2068

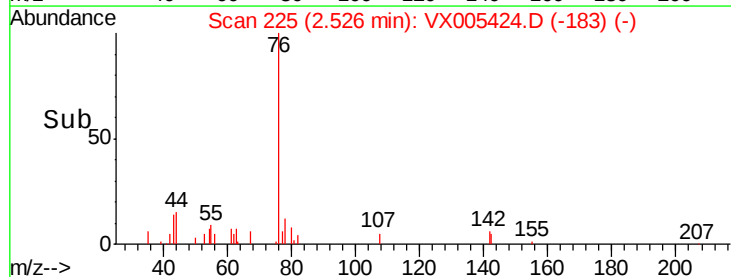
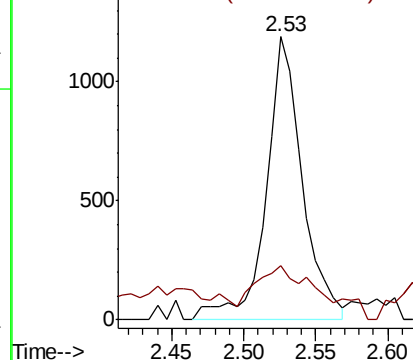
Ion Ratio Lower Upper

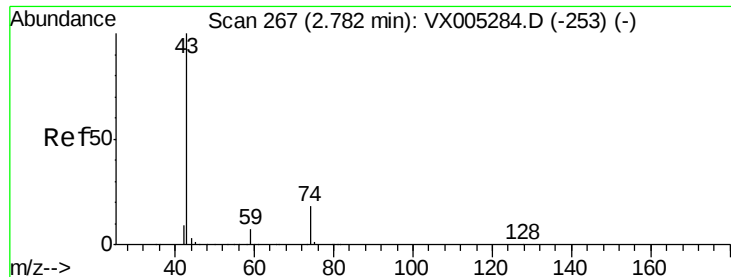
76 100

78 11.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

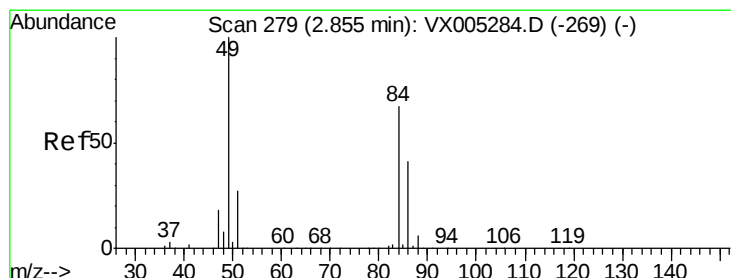
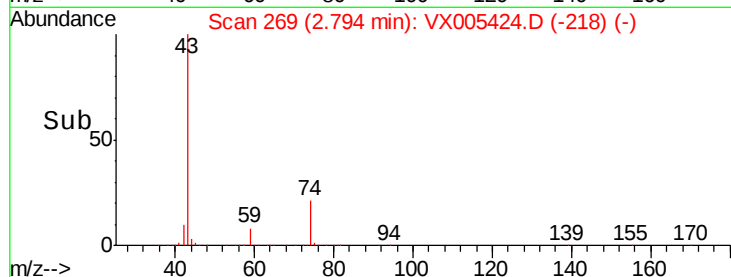
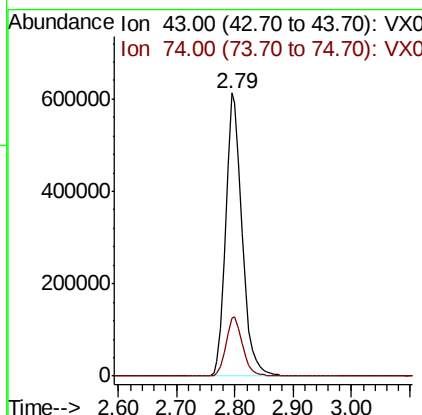
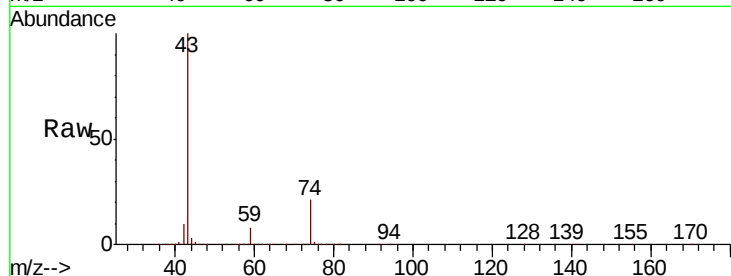




#18
Methyl Acetate
Concen: 212.916 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.01 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

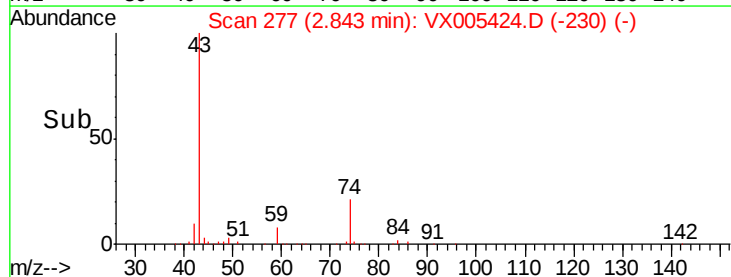
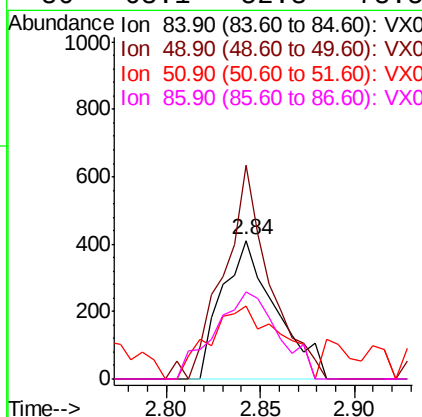
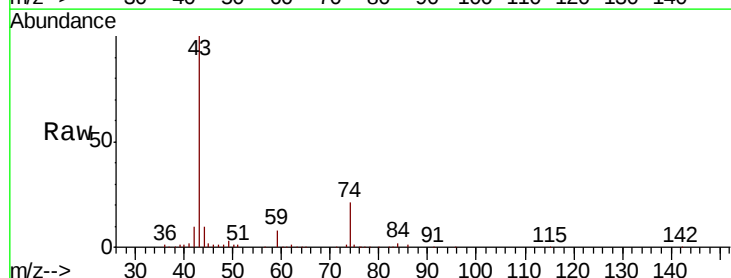
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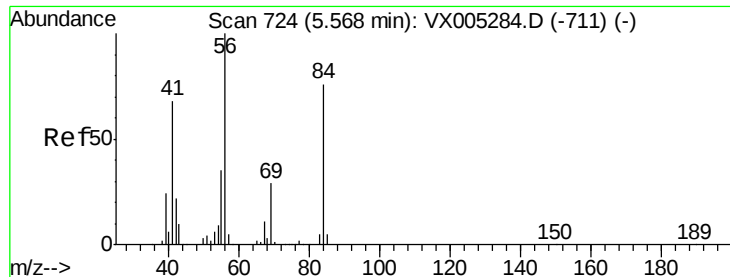
Tot Ion: 43 Resp: 1193339
Ion Ratio Lower Upper
43 100
74 21.3 19.4 29.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

Tgt Ion: 84 Resp: 815
Ion Ratio Lower Upper
84 100
49 153.9 101.2 151.8#
51 36.4 29.5 44.3
86 63.1 52.3 78.5

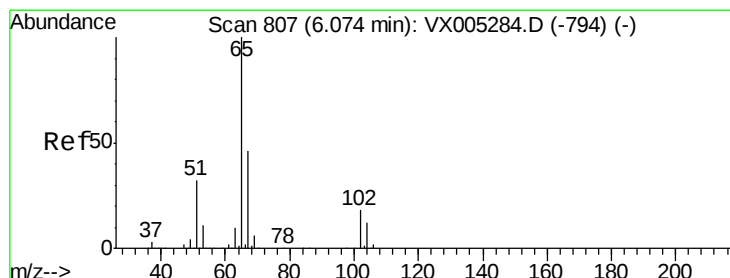
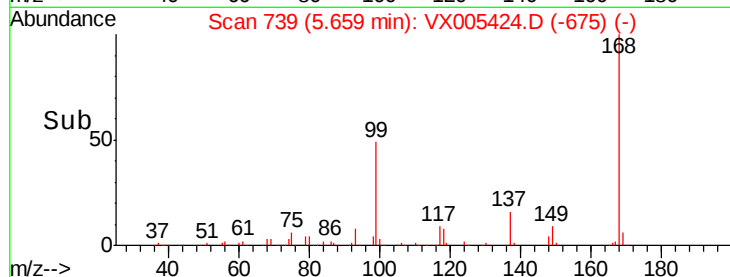
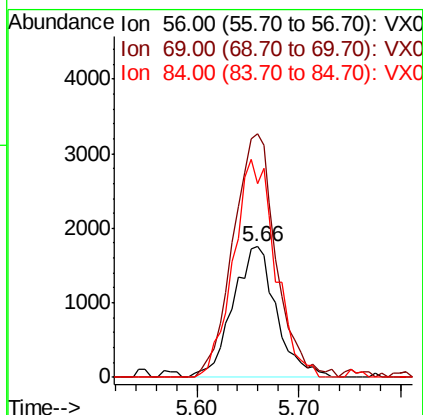
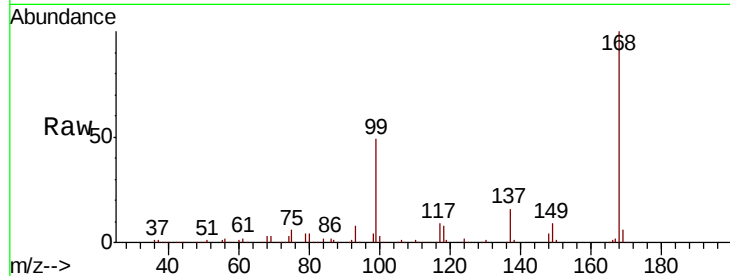




#31
Cvclohexane
Concen: 1.107 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

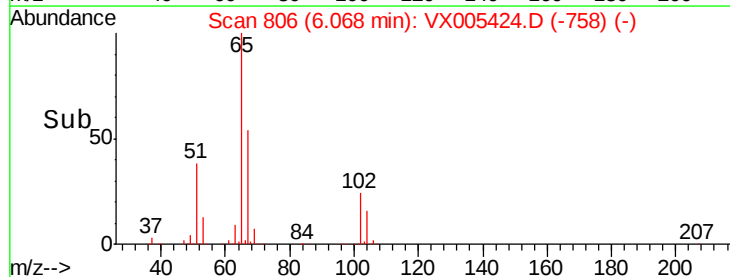
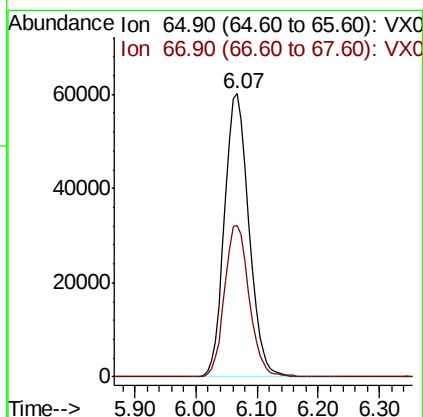
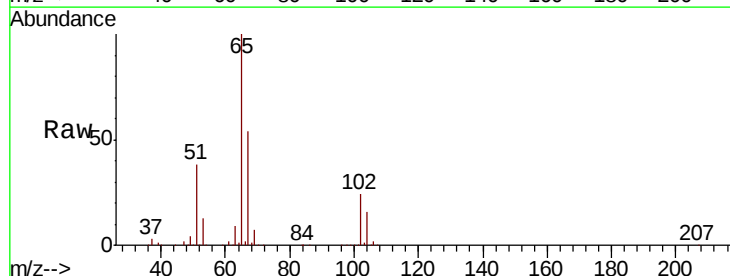
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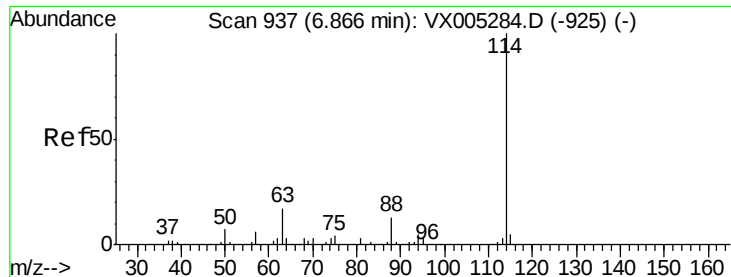
Tot Ion: 56 Resp: 5184
Ion Ratio Lower Upper
56 100
69 186.8 25.4 38.2#
84 148.5 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 48.798 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

Tgt Ion: 65 Resp: 166270
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: VX005424.D

Acq: 18 Oct 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

0692-KM-CA-AMD-COMP

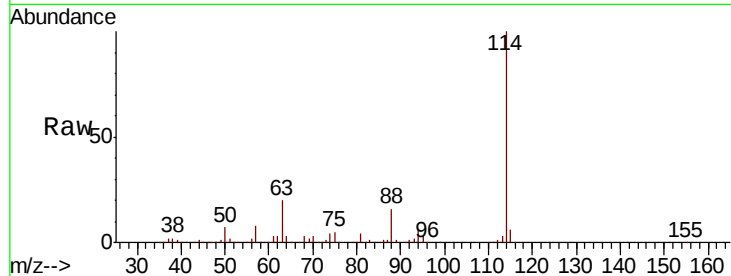
Tot Ion:114 Resp: 455577

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

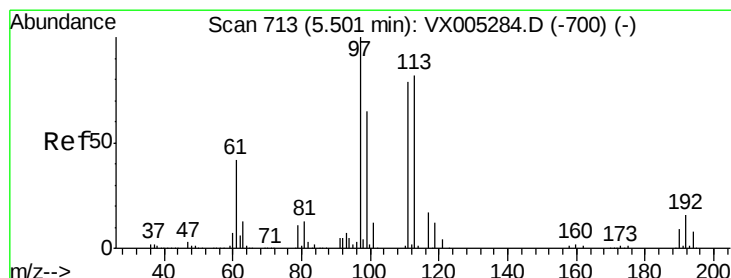
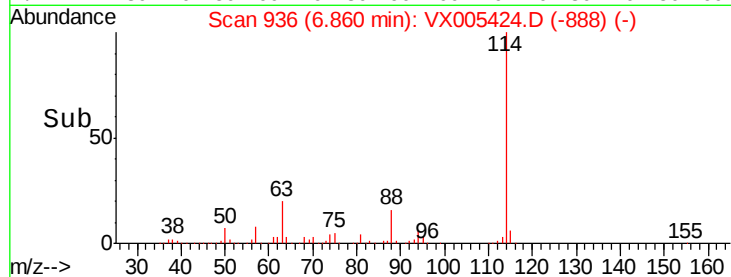
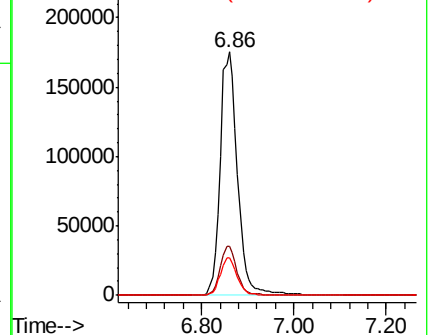
88 15.6 0.0 30.4



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: 44.949 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005424.D

Acq: 18 Oct 2018 12:37

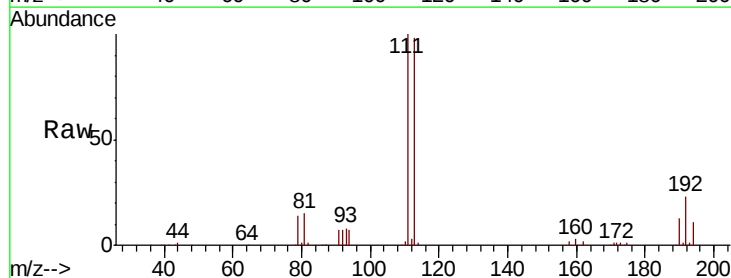
Tgt Ion:113 Resp: 135628

Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

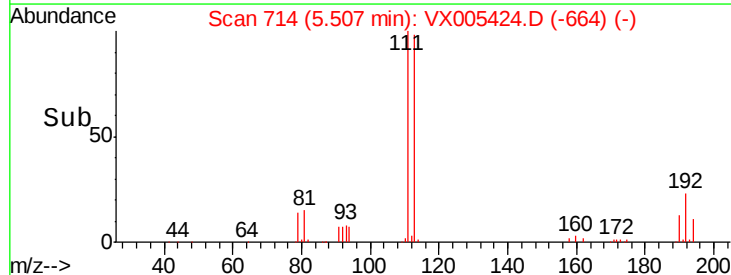
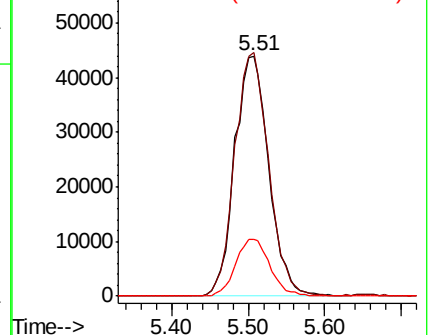
192 23.8 19.4 29.2

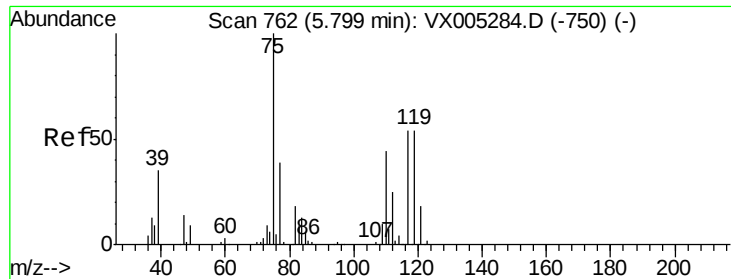


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

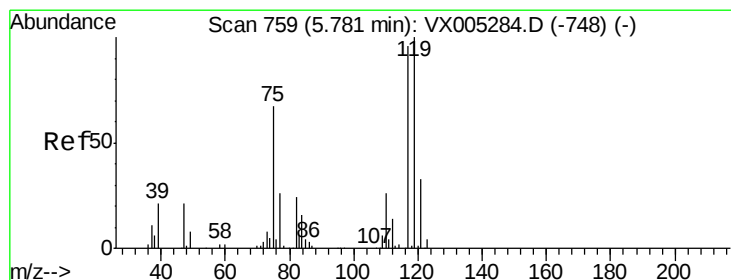
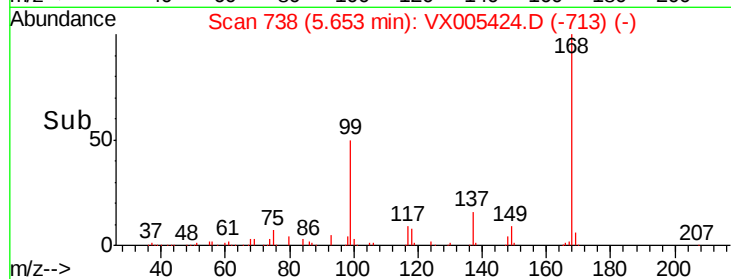
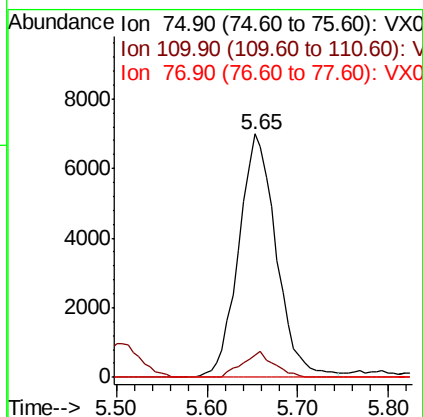
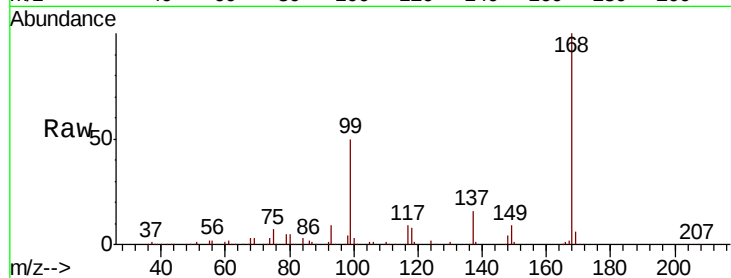




#36
 1,1-Dichloropropene
 Concen: 4.556 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX005424.D
 Acq: 18 Oct 2018 12:37

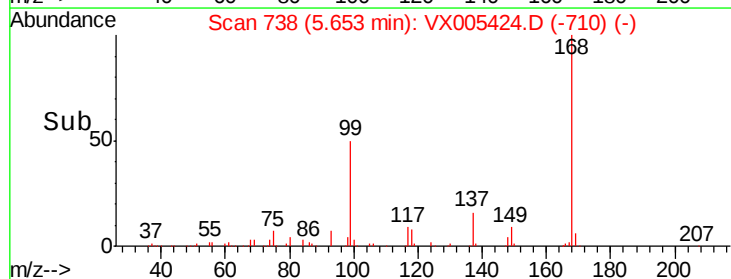
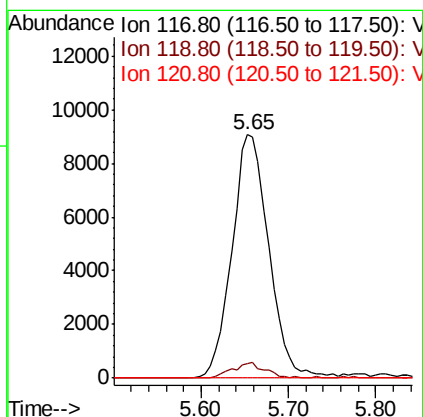
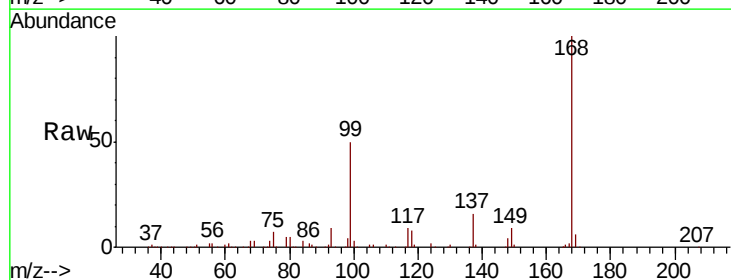
Instrument :
 MSVOA_X
 ClientSampleId :
 0692-KM-CA-AMD-COMP

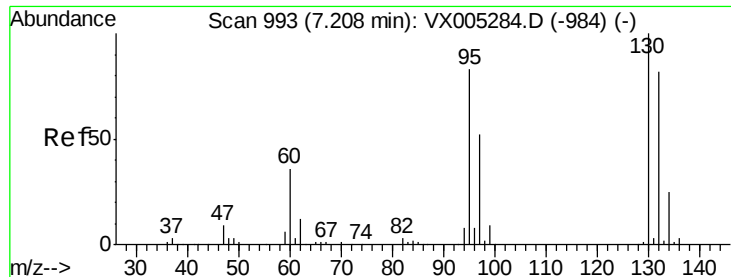
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.998 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX005424.D
 Acq: 18 Oct 2018 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.8	118.2#
121	0.0	24.9	37.3#

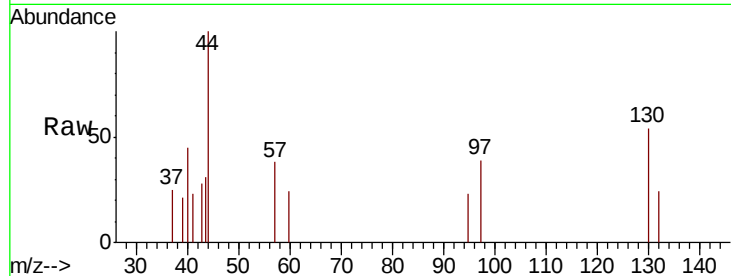




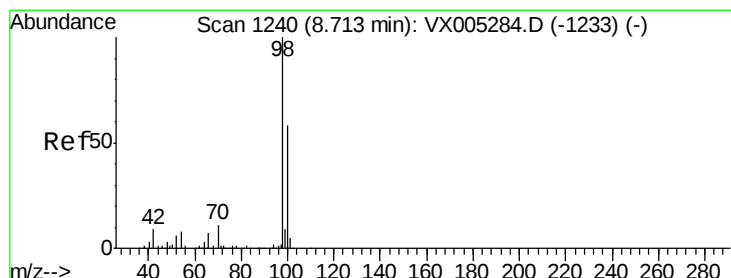
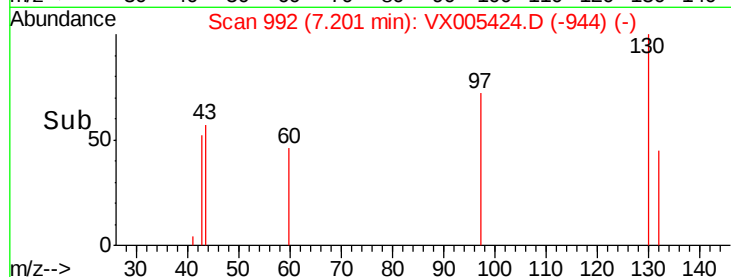
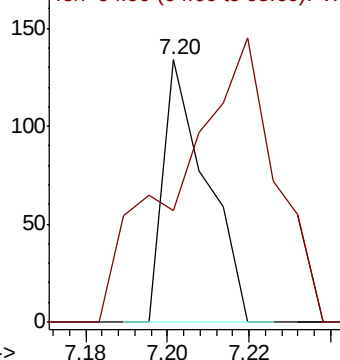
#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VX005424.D
 Acq: 18 Oct 2018 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 0692-KM-CA-AMD-COMP

Tot Ion:130 Resp: 99
 Ion Ratio Lower Upper
 130 100
 95 2.2 0.0 181.6

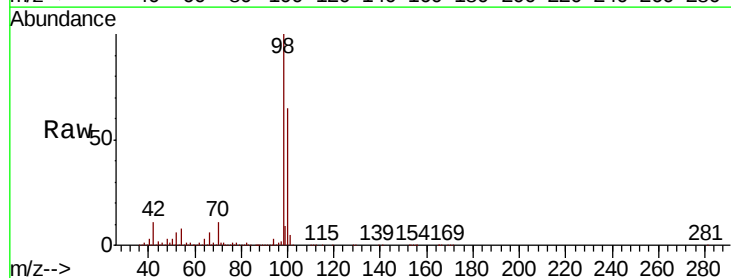


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

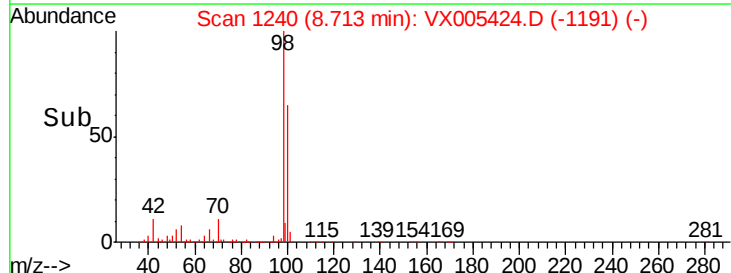
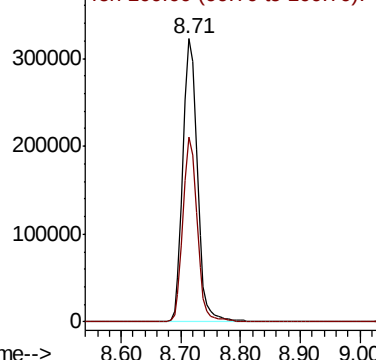


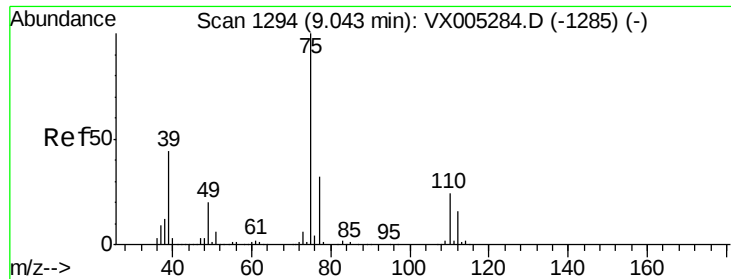
#50
 Toluene-d8
 Concen: 52.224 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX005424.D
 Acq: 18 Oct 2018 12:37

Tgt Ion: 98 Resp: 540990
 Ion Ratio Lower Upper
 98 100
 100 64.1 52.9 79.3



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

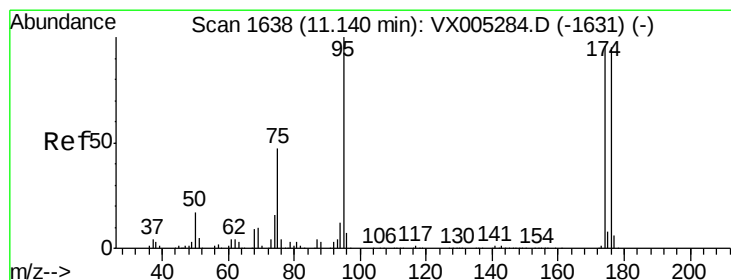
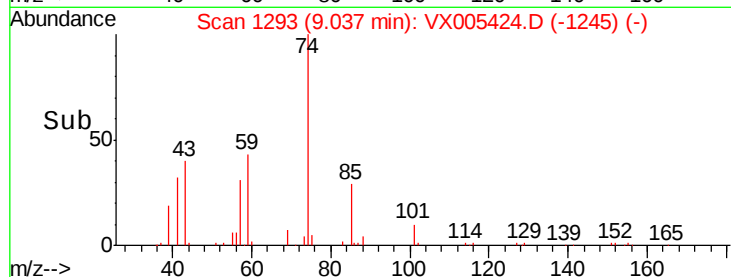
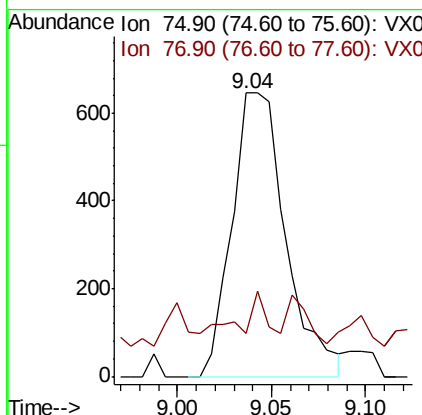
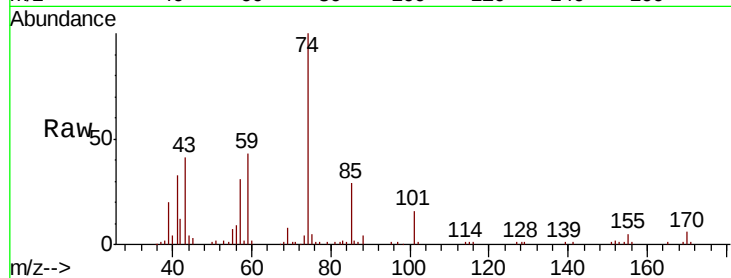




#53
t-1,3-Dichloropropene
Concen: 0.299 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

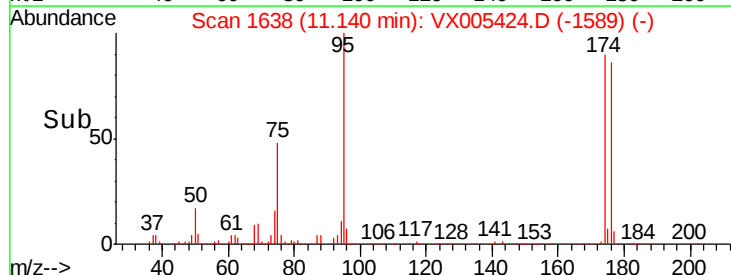
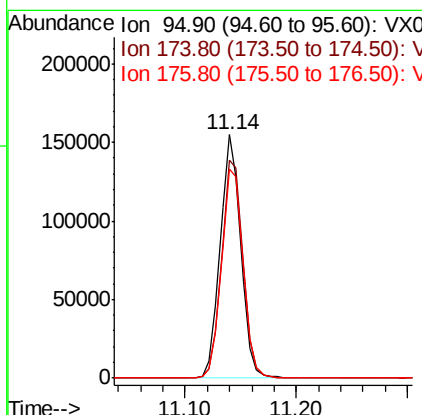
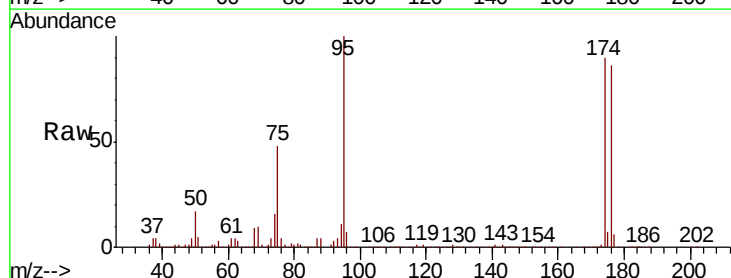
Instrument :
MSVOA_X
ClientSampleId :
0692-KM-CA-AMD-COMP

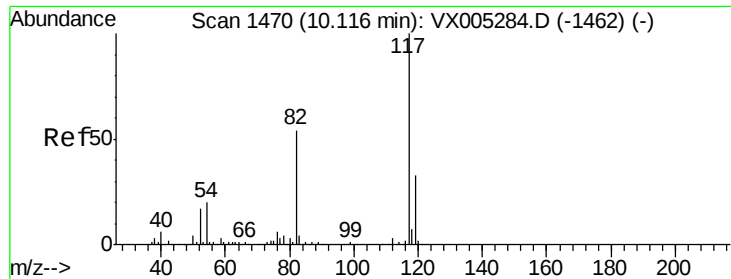
Tot Ion: 75 Resp: 1281
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#



#62
4-Bromofluorobenzene
Concen: 50.586 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

Tgt Ion: 95 Resp: 196856
Ion Ratio Lower Upper
95 100
174 93.9 0.0 185.2
176 90.7 0.0 178.6

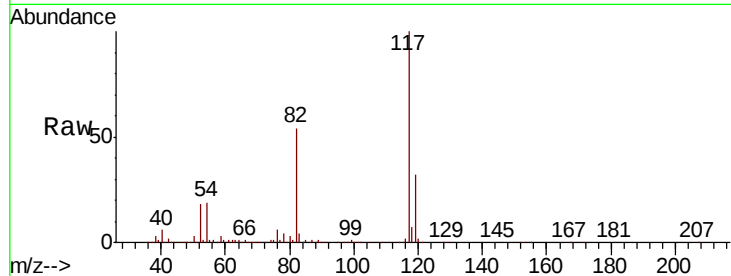




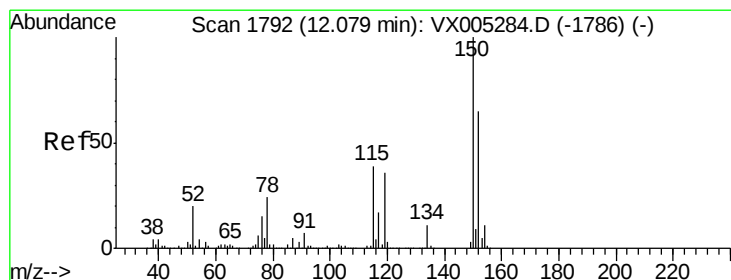
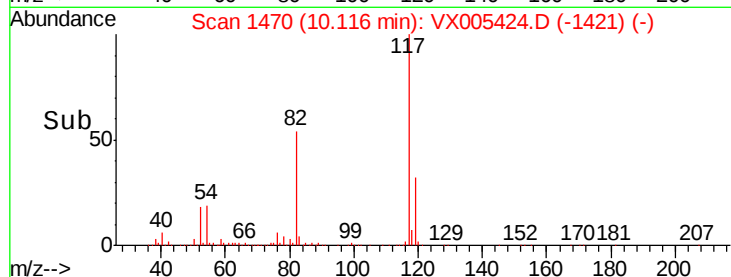
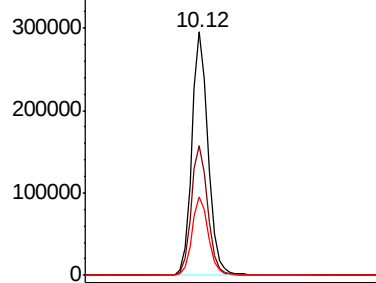
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
0692-KM-CA-AMD-COMP

Tot Ion:117 Resp: 412419
Ion Ratio Lower Upper
117 100
82 53.5 47.8 71.6
119 32.4 29.3 43.9

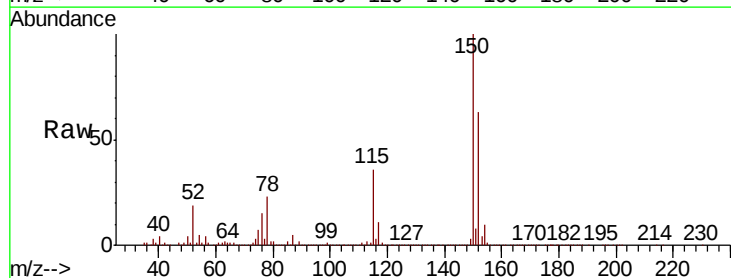


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VXO
Ion 118.90 (118.60 to 119.60): V

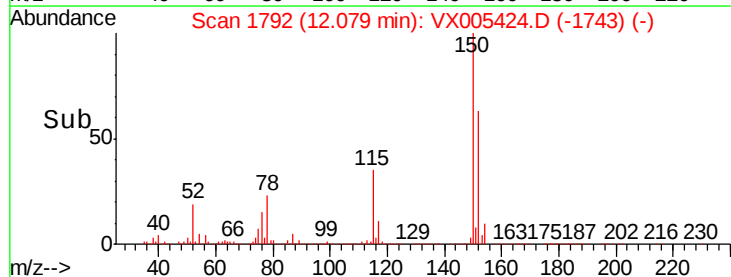
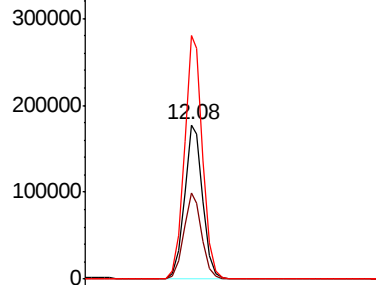


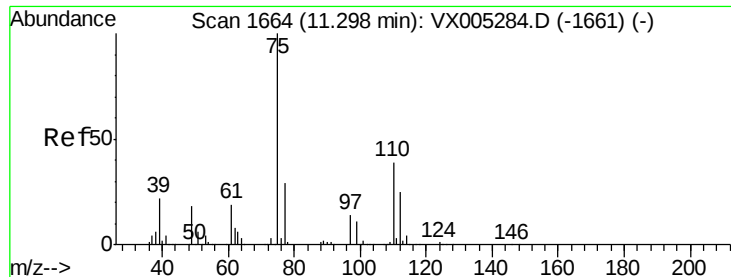
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005424.D
Acq: 18 Oct 2018 12:37

Tgt Ion:152 Resp: 221857
Ion Ratio Lower Upper
152 100
115 54.7 39.0 117.0
150 157.6 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: 22.204 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005424.D

Acq: 18 Oct 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

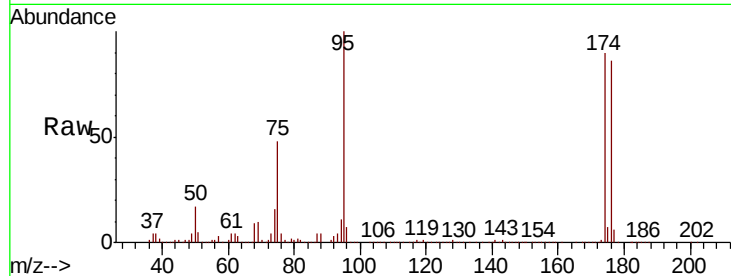
0692-KM-CA-AMD-COMP

Tot Ion: 75 Resp: 95551

Ion Ratio Lower Upper

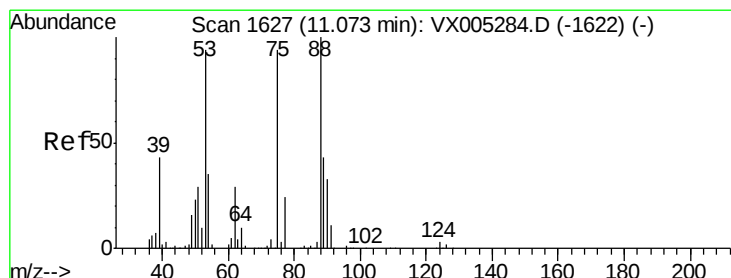
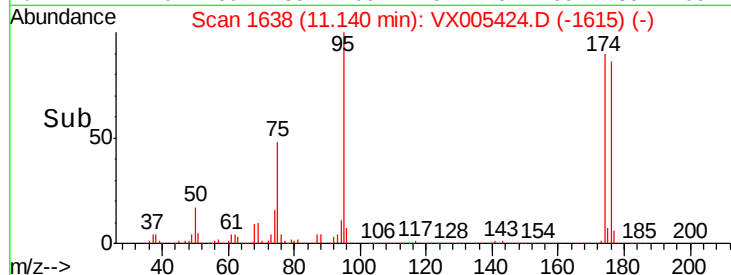
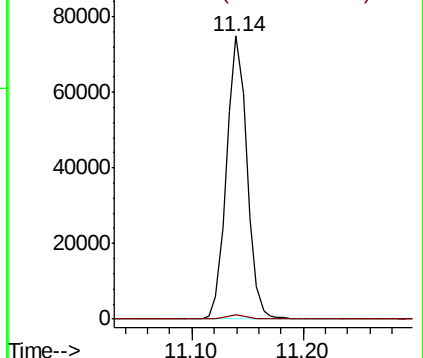
75 100

77 1.5 20.2 60.6#



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: 67.465 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005424.D

Acq: 18 Oct 2018 12:37

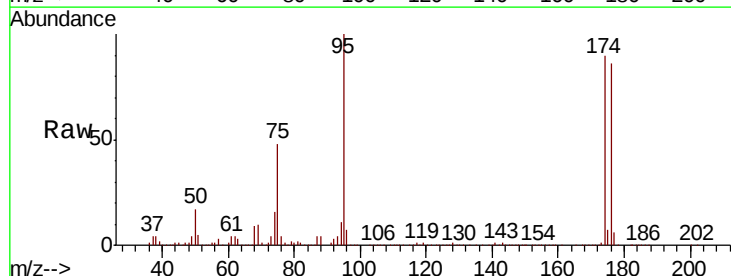
Tgt Ion: 75 Resp: 95551

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

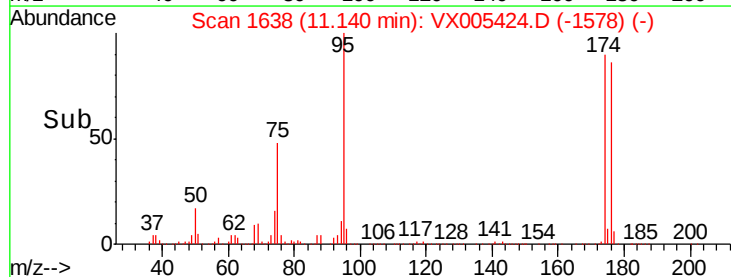
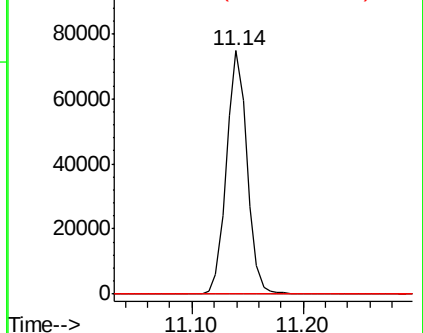
89 0.0 37.2 55.8#

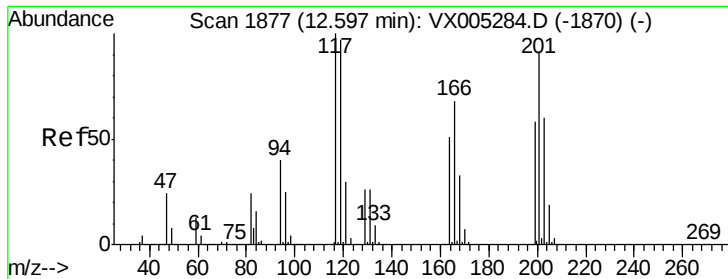


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 0.234 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX005424.D

Acq: 18 Oct 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

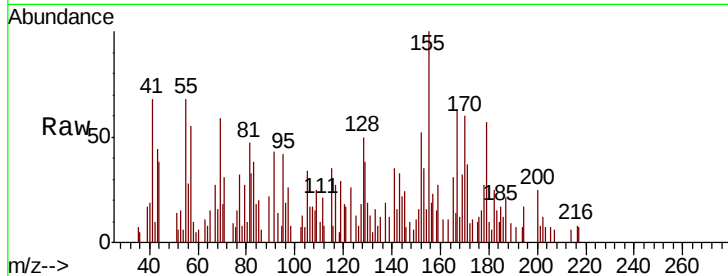
0692-KM-CA-AMD-COMP

Tot Ion:117 Resp: 493

Ion Ratio Lower Upper

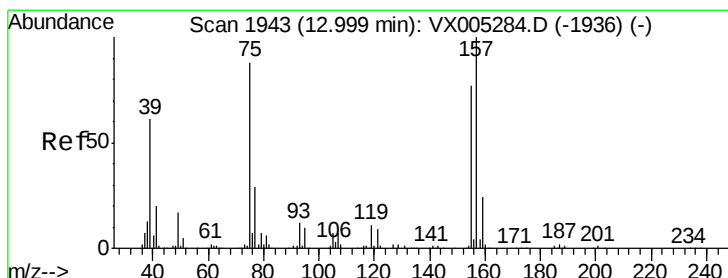
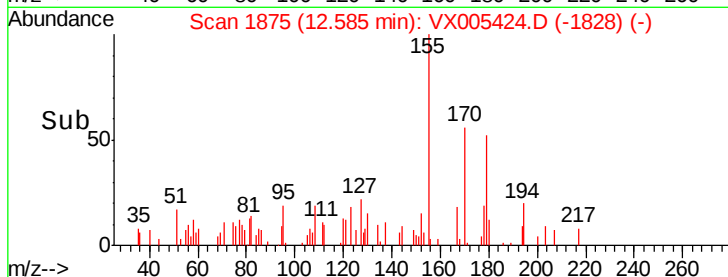
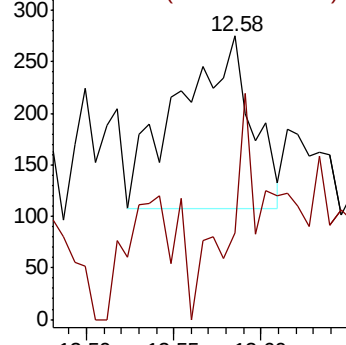
117 100

201 62.9 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.237 ug/l

RT: 12.92 min Scan# 1930

Delta R.T. -0.08 min

Lab File: VX005424.D

Acq: 18 Oct 2018 12:37

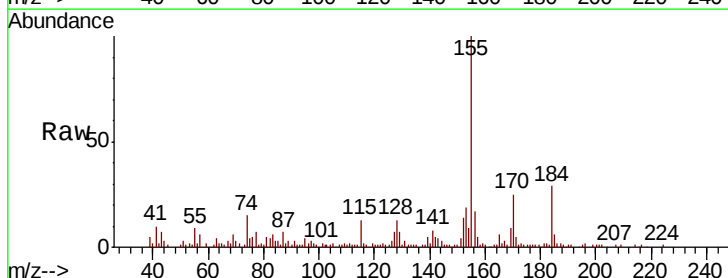
Tgt Ion: 75 Resp: 288

Ion Ratio Lower Upper

75 100

155 14651.7 48.0 144.2#

157 52.8 61.4 184.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

