

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005449.D
 Acq On : 19 Oct 2018 11:13
 Operator : JC/MD
 Sample : J5573-02 10X
 Misc : 5.11g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 20 04:17:52 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	288493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	440182	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	360739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185654	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	157521	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	5.50	113	133906	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
50) Toluene-d8	8.71	98	477394	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.14	95	163476	43.48	ug/l	0.00
Spiked Amount			Recovery	=	86.96%	

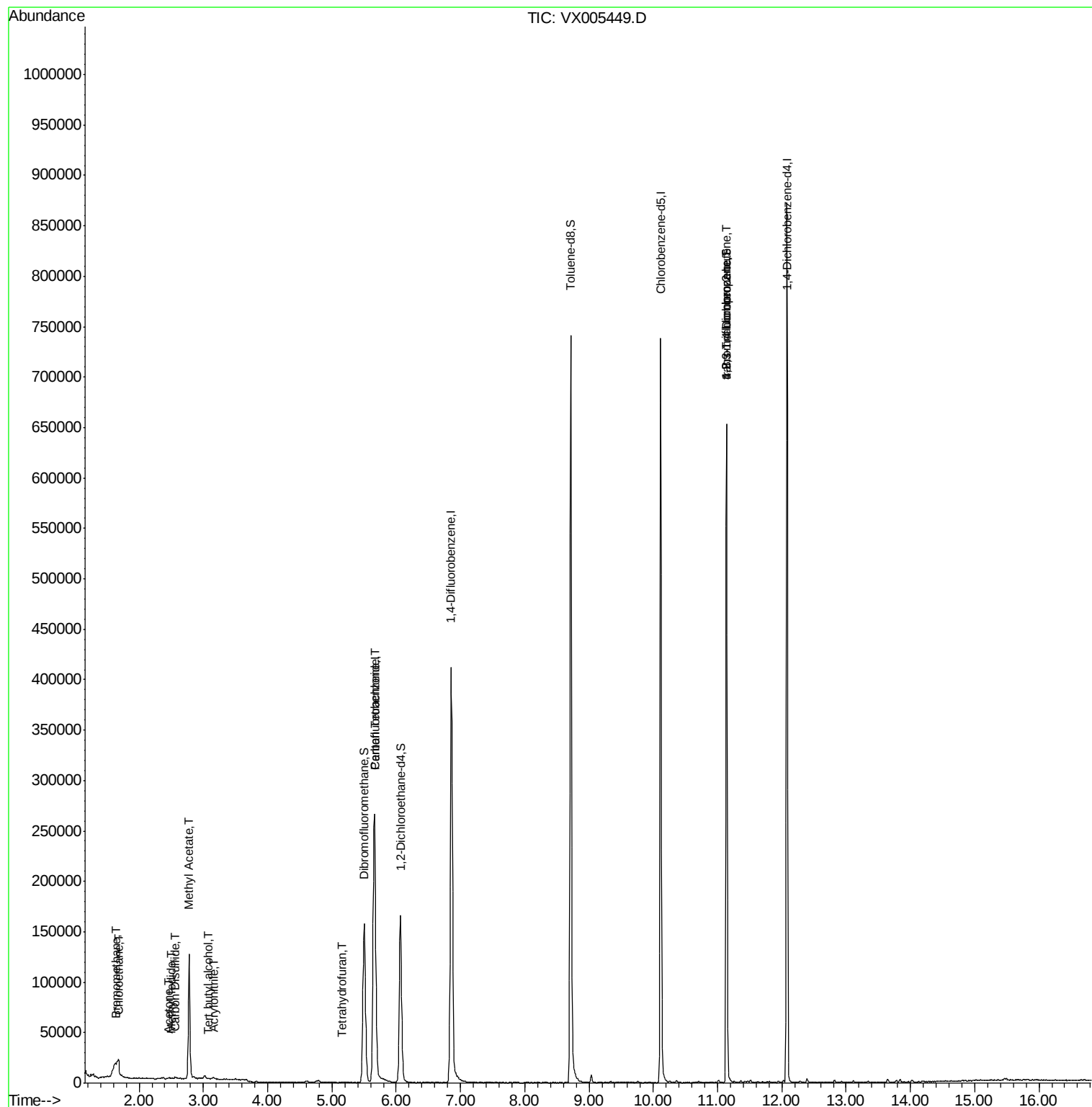
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1186	1.211	ug/l	100
6) Chloroethane	1.69	64	426	0.531	ug/l #	67
10) Methyl Iodide	2.51	142	820	2.767	ug/l #	93
11) Tert butyl alcohol	3.08	59	347	0.384	ug/l #	72
13) Acrolein	2.29	56	183	Below Cal	#	1
15) Acrylonitrile	3.16	53	731	0.357	ug/l #	88
16) Acetone	2.45	43	1026	0.554	ug/l #	78
17) Carbon Disulfide	2.56	76	2057	0.269	ug/l	99
18) Methyl Acetate	2.78	43	139554	26.497	ug/l	94
20) Methylene Chloride	2.85	84	600	Below Cal	#	85
29) Tetrahydrofuran	5.15	42	748	0.433	ug/l #	37
38) Carbon Tetrachloride	5.67	117	25316	5.910	ug/l #	16
44) Trichloroethene	7.21	130	232	Below Cal		84
76) 1,2,3-Trichloropropane	11.14	75	79056	21.953	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	79056	66.704	ug/l #	10

(#) = 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: VX005449.D

Acq: 19 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

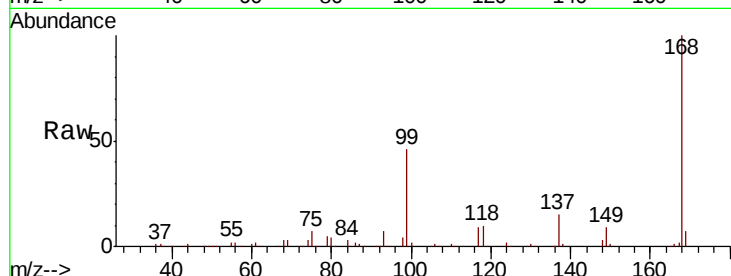
0692-KM-CA-AMD-COMP

Tot Ion:168 Resp: 288493

Ion Ratio Lower Upper

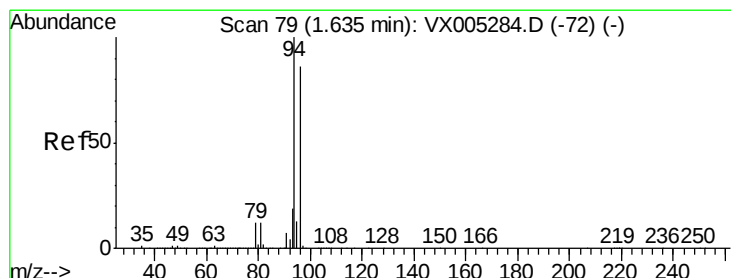
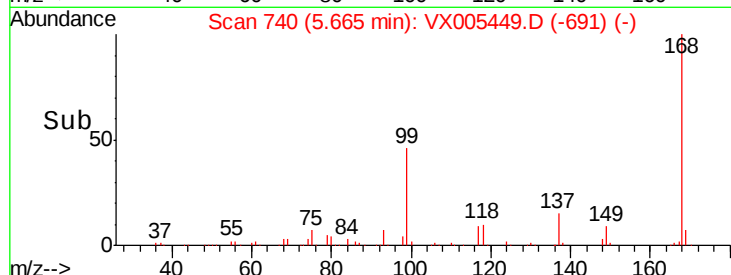
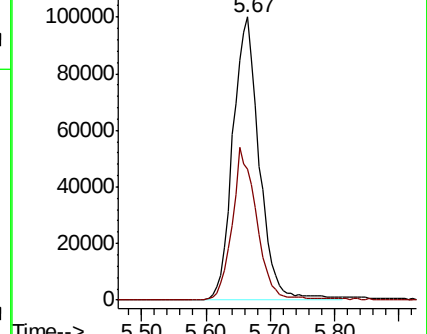
168 100

99 46.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 1.211 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005449.D

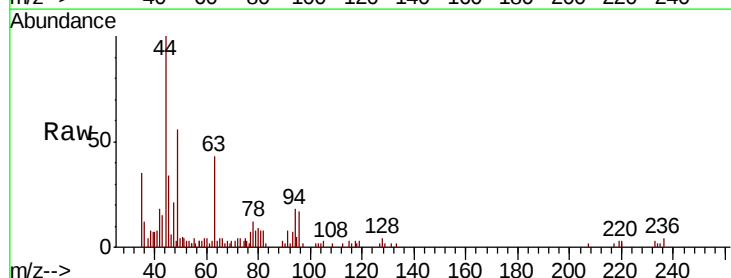
Acq: 19 Oct 2018 11:13

Tgt Ion: 94 Resp: 1186

Ion Ratio Lower Upper

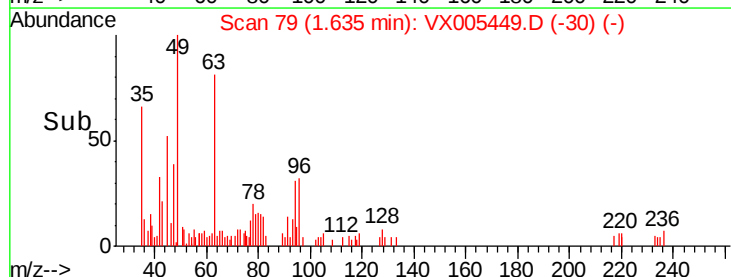
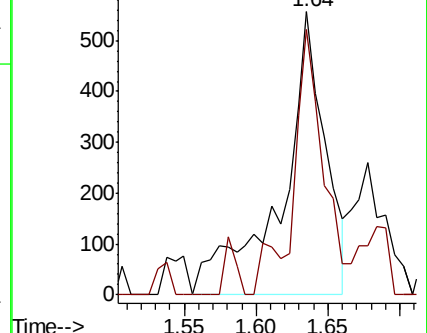
94 100

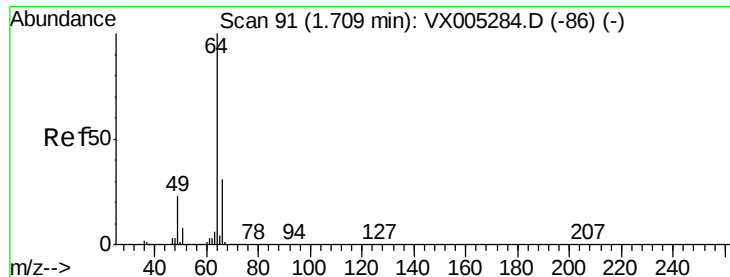
96 93.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.531 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

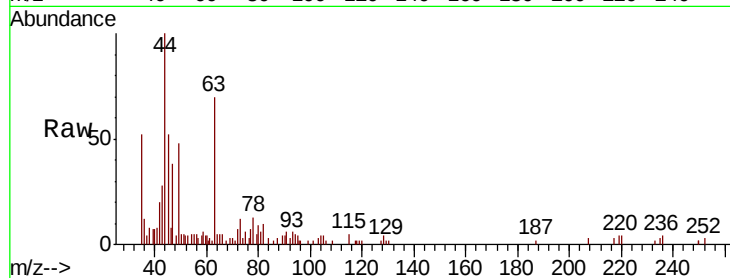
0692-KM-CA-AMD-COMP

Tot Ion: 64 Resp: 426

Ion Ratio Lower Upper

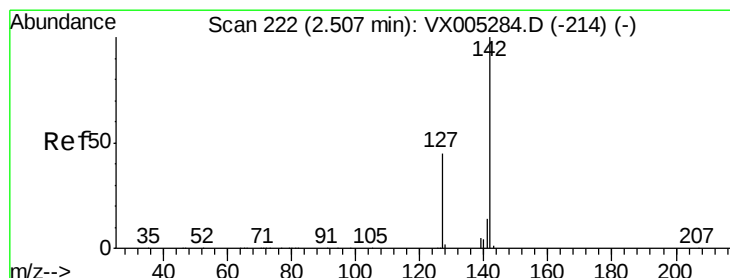
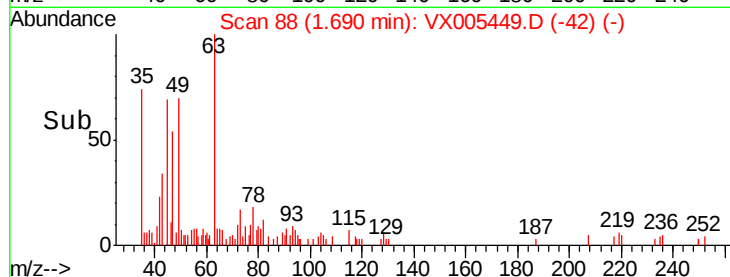
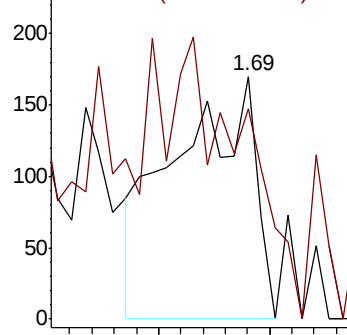
64 100

66 48.8 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: 2.767 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

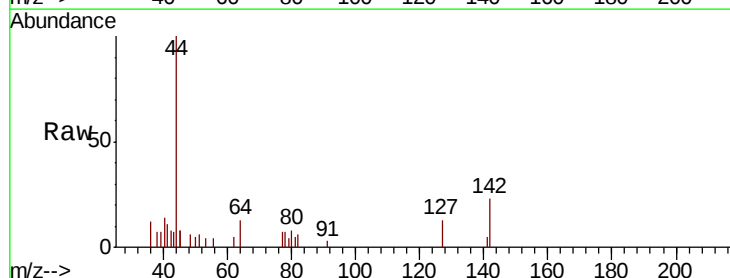
Tgt Ion:142 Resp: 820

Ion Ratio Lower Upper

142 100

127 41.6 33.8 50.6

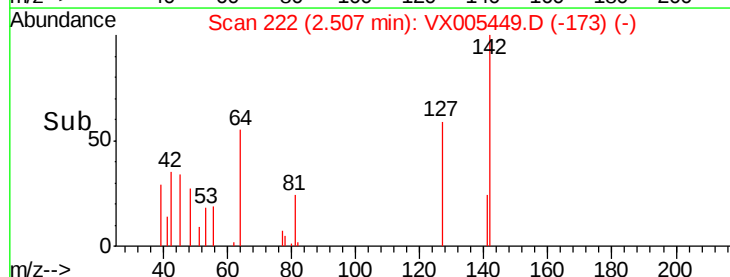
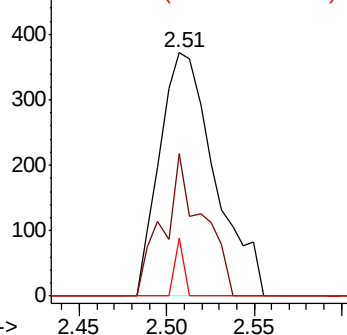
141 3.9 11.4 17.0#



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



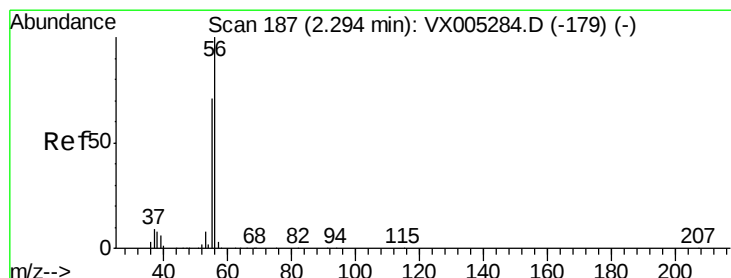
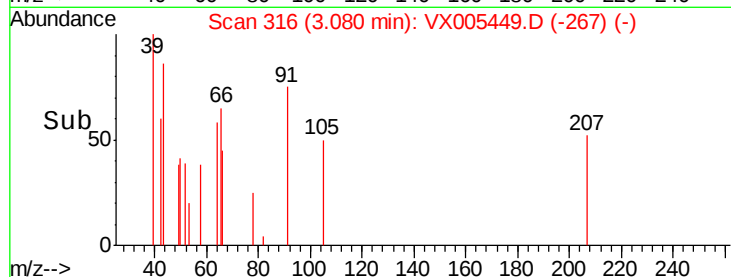
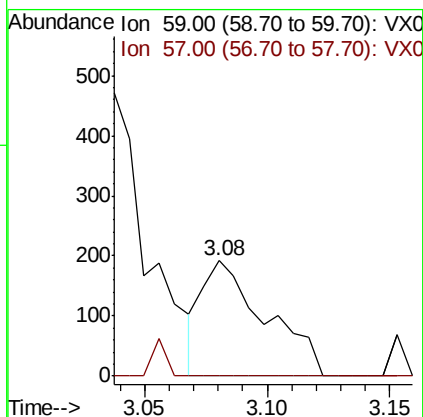
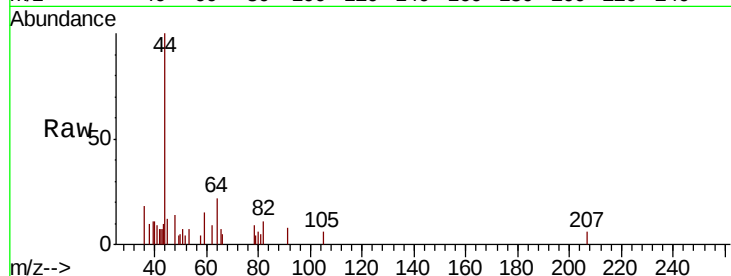


#11

Tert butyl alcohol
Concen: 0.384 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005449.D
Acq: 19 Oct 2018 11:13

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

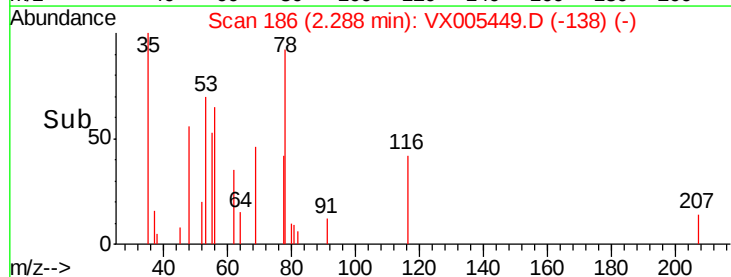
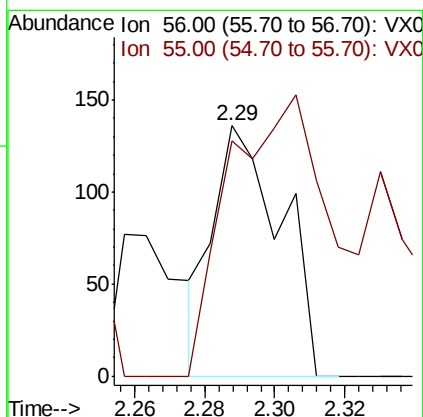
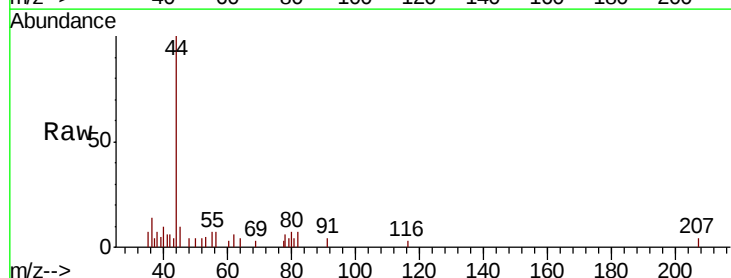
Tot Ion: 59 Resp: 347
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

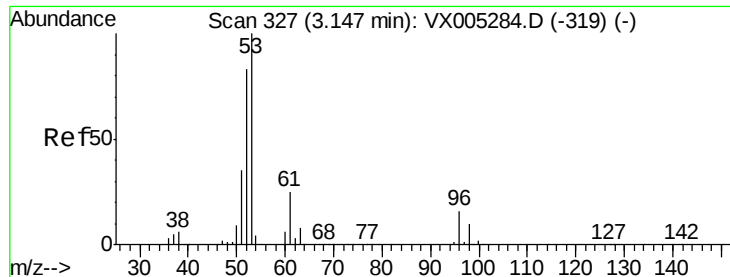


#13

Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX005449.D
Acq: 19 Oct 2018 11:13

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 168.3 54.7 82.1#





#15

Acrylonitrile

Concen: 0.357 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

0692-KM-CA-AMD-COMP

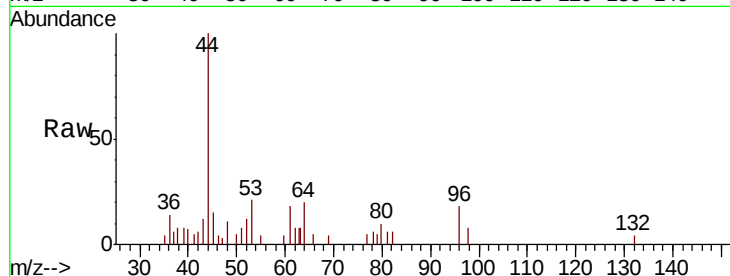
Tot Ion: 53 Resp: 731

Ion Ratio Lower Upper

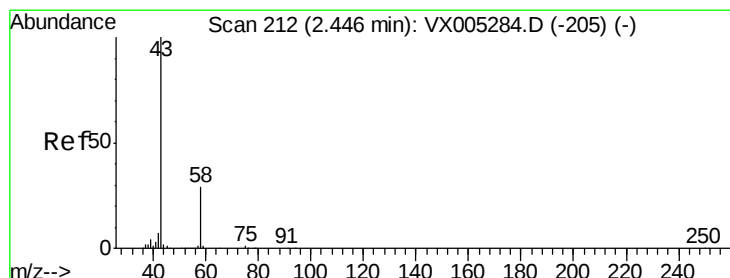
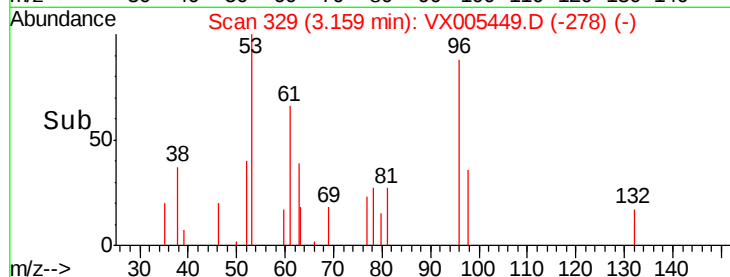
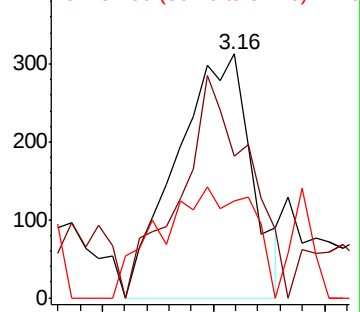
53 100

52 83.3 65.2 97.8

51 56.5 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.554 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005449.D

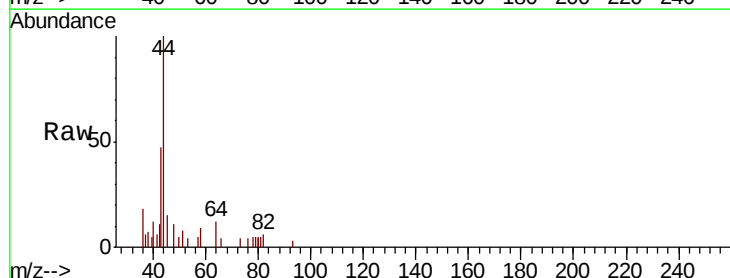
Acq: 19 Oct 2018 11:13

Tgt Ion: 43 Resp: 1026

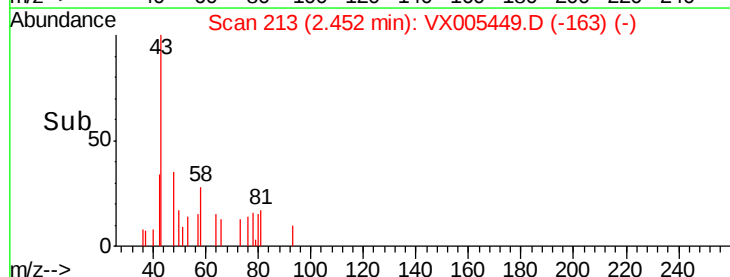
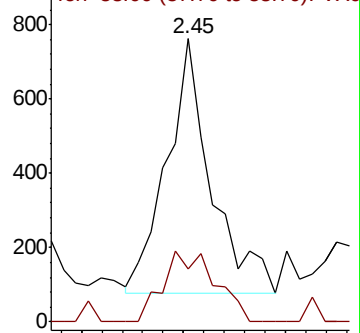
Ion Ratio Lower Upper

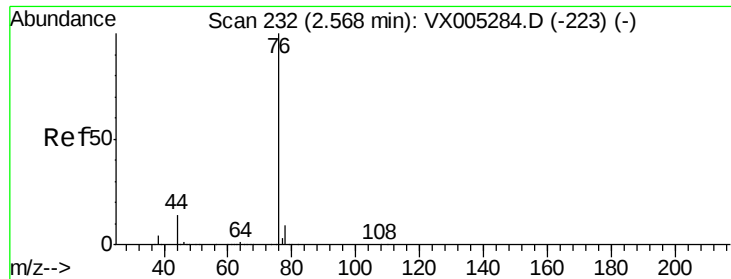
43 100

58 20.6 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

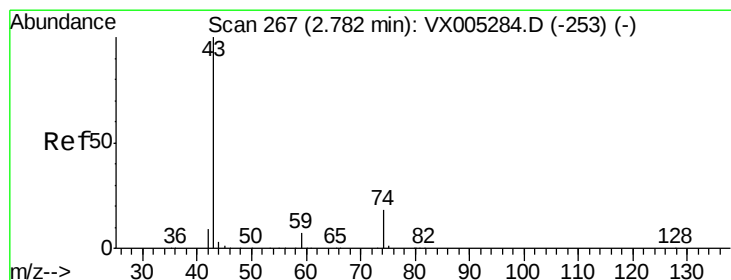
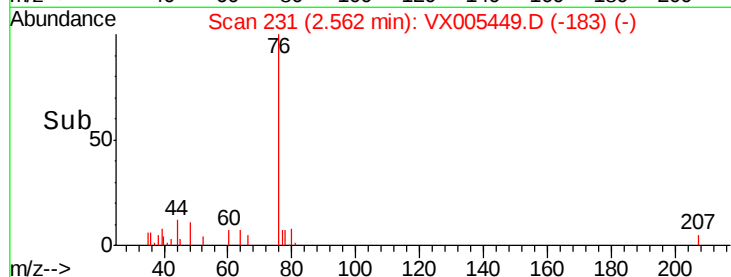
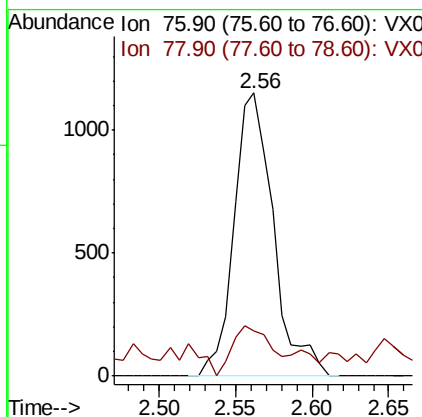
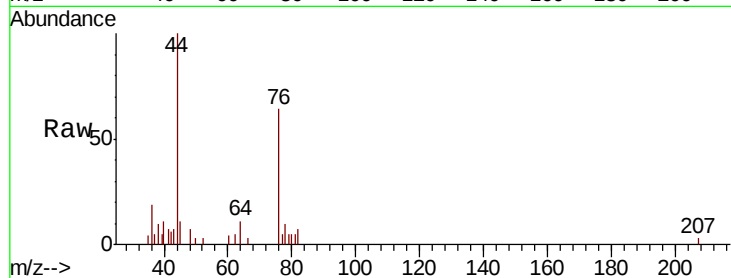




#17
Carbon Disulfide
Concen: 0.269 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005449.D
Acq: 19 Oct 2018 11:13

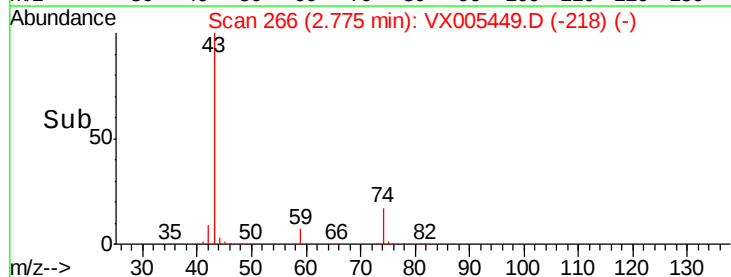
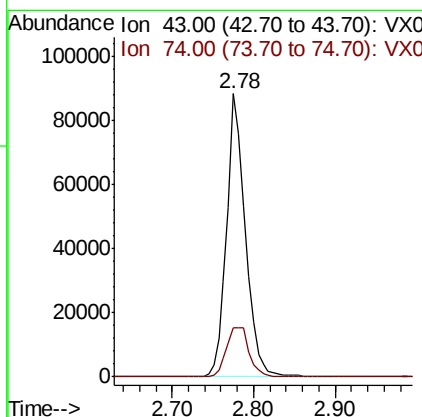
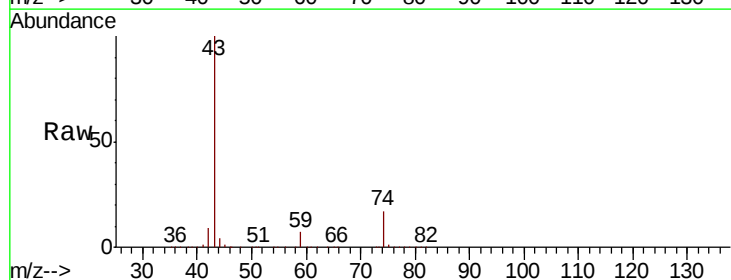
Instrument :
MSVOA_X
ClientSampleId :
0692-KM-CA-AMD-COMP

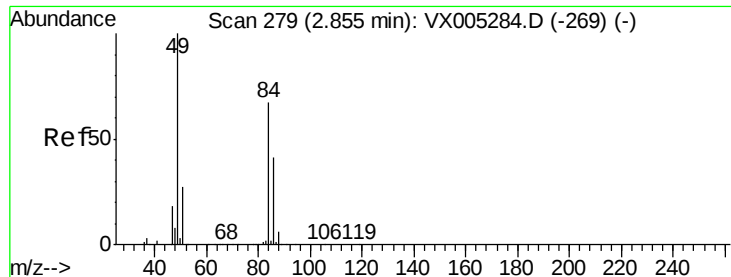
Tot Ion: 76 Resp: 2057
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6



#18
Methyl Acetate
Concen: 26.497 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005449.D
Acq: 19 Oct 2018 11:13

Tgt Ion: 43 Resp: 139554
Ion Ratio Lower Upper
43 100
74 21.3 19.4 29.2





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

0692-KM-CA-AMD-COMP

Tot Ion: 84 Resp: 600

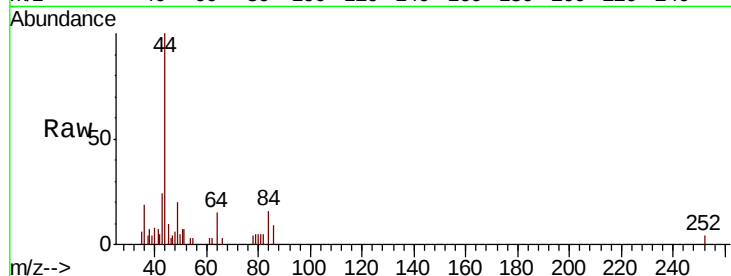
Ion Ratio Lower Upper

84 100

49 120.6 101.2 151.8

51 64.4 29.5 44.3#

86 52.2 52.3 78.5#

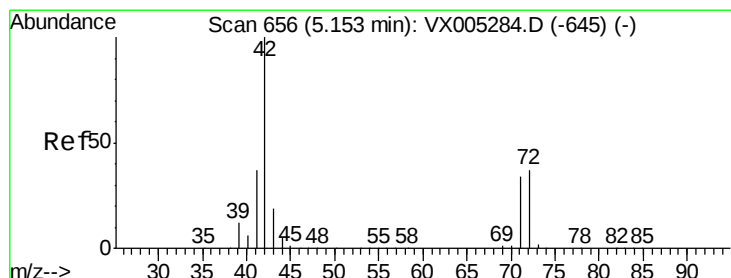
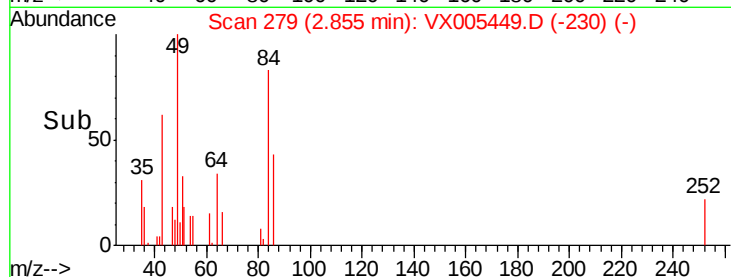
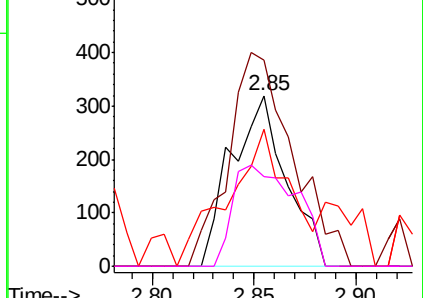


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.433 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

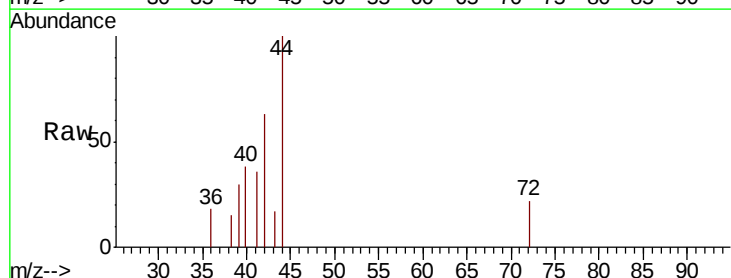
Tgt Ion: 42 Resp: 748

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

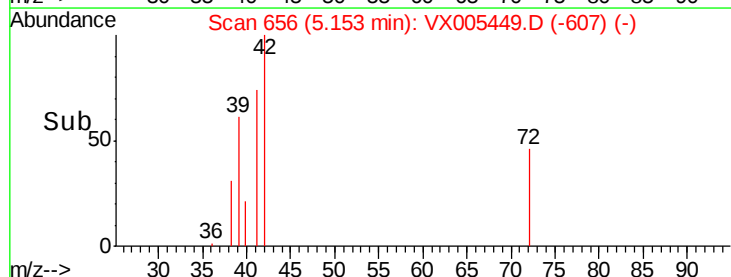
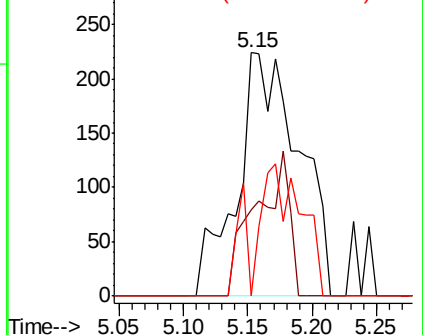
71 7.9 34.5 51.7#

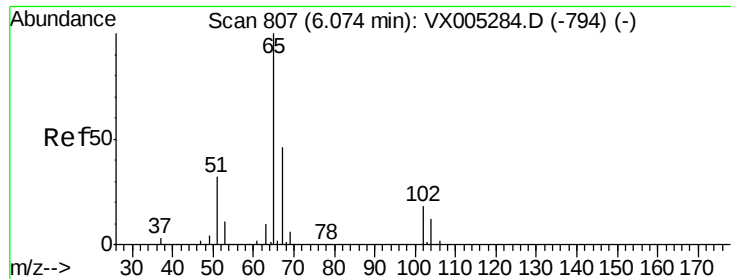


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.197 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

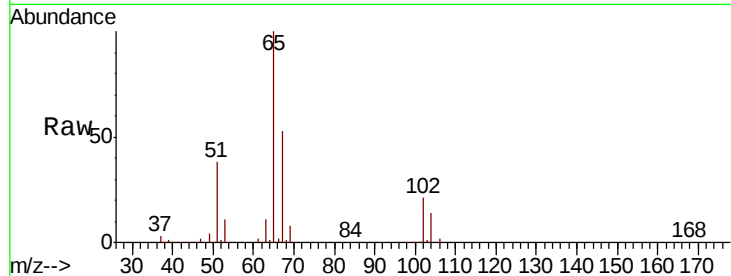
0692-KM-CA-AMD-COMP

Tot Ion: 65 Resp: 157521

Ion Ratio Lower Upper

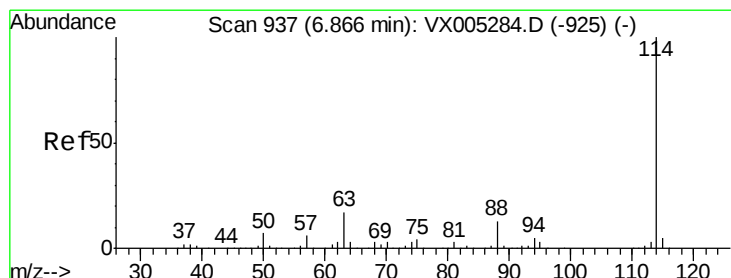
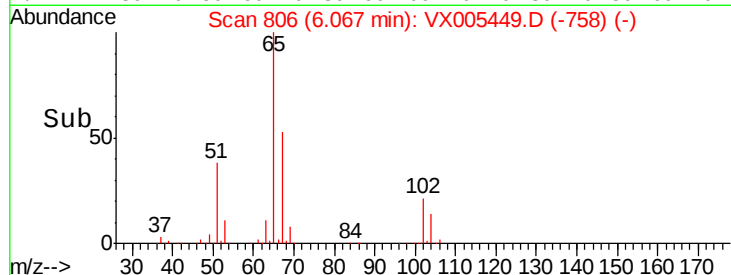
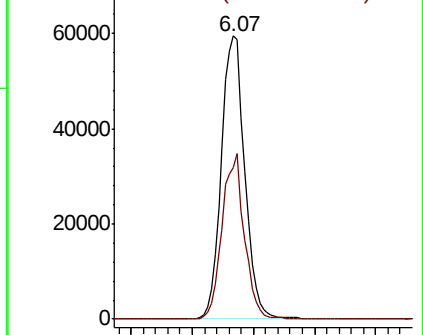
65 100

67 55.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

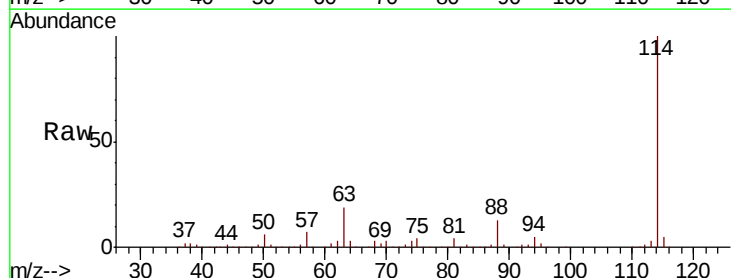
Tgt Ion: 114 Resp: 440182

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.0

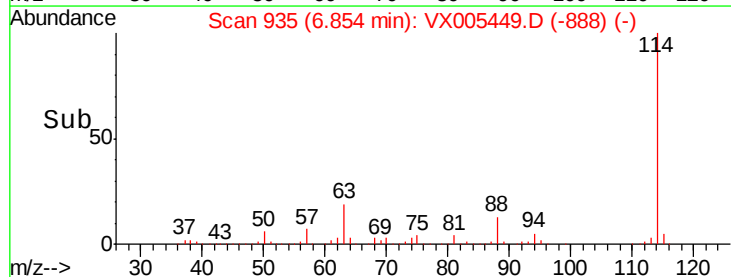
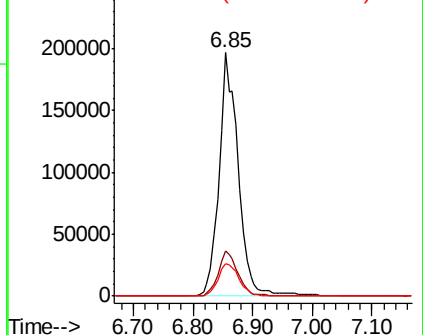
88 13.5 0.0 30.4

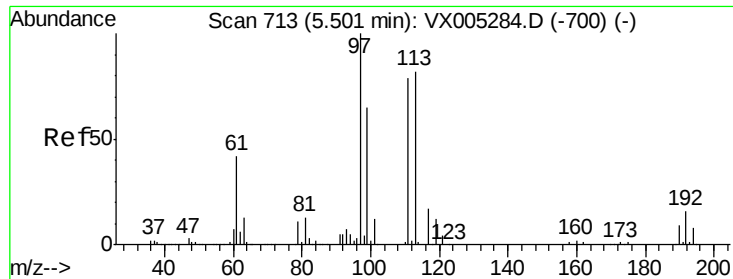


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

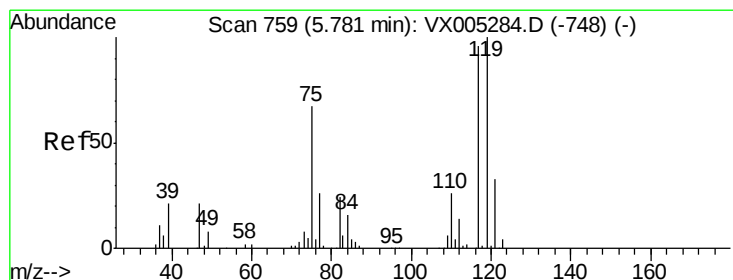
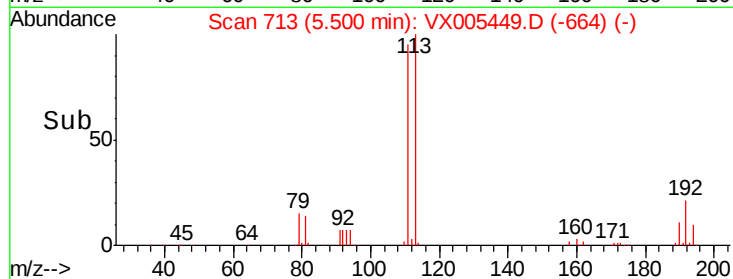
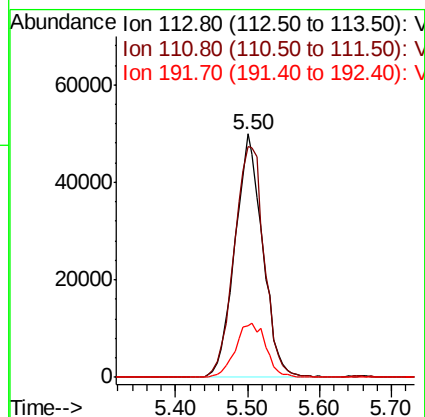
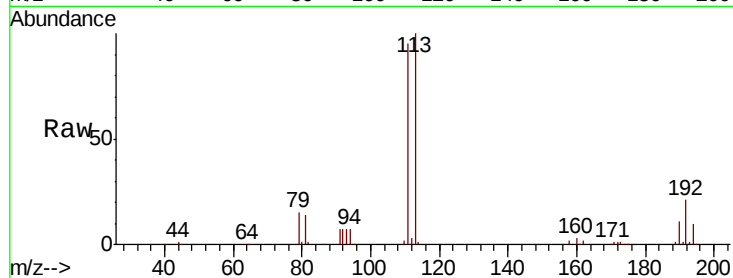




#35
Dibromofluoromethane
Concen: 45.930 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005449.D
Acq: 19 Oct 2018 11:13

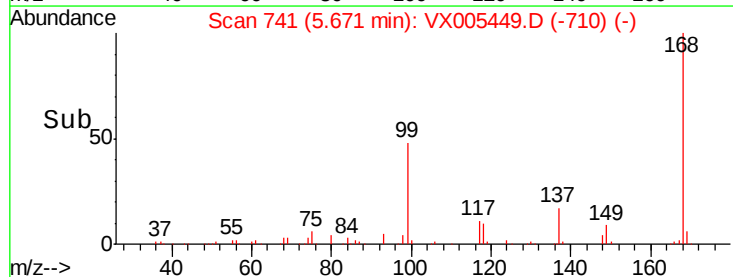
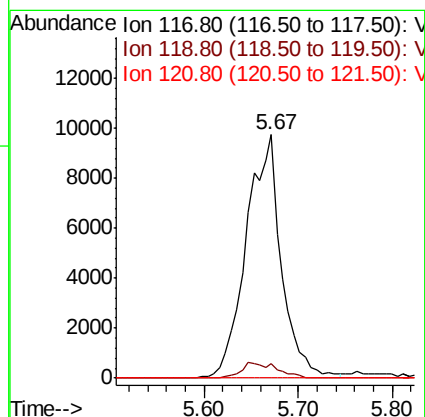
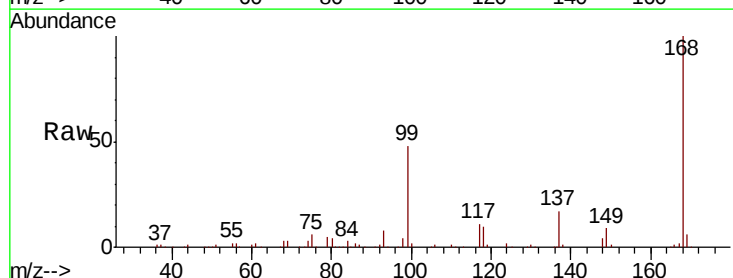
Instrument :
MSVOA_X
ClientSampleId :
0692-KM-CA-AMD-COMP

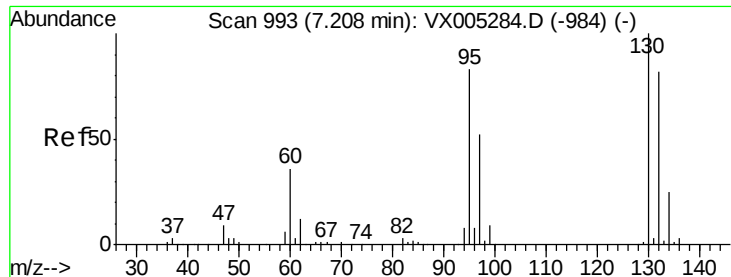
Tot Ion:113 Resp: 133906
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 24.3 19.4 29.2



#38
Carbon Tetrachloride
Concen: 5.910 ug/l
RT: 5.67 min Scan# 741
Delta R.T. -0.11 min
Lab File: VX005449.D
Acq: 19 Oct 2018 11:13

Tgt Ion:117 Resp: 25316
Ion Ratio Lower Upper
117 100
119 6.0 78.8 118.2#
121 0.0 24.9 37.3#





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

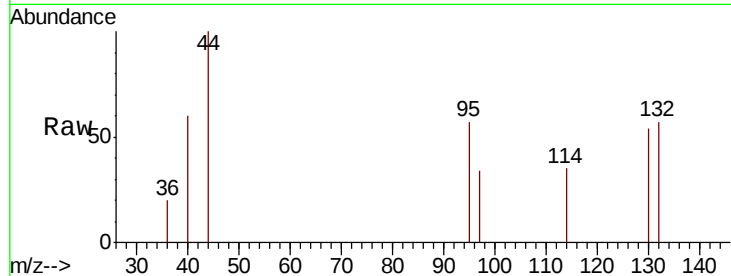
0692-KM-CA-AMD-COMP

Tot Ion:130 Resp: 232

Ion Ratio Lower Upper

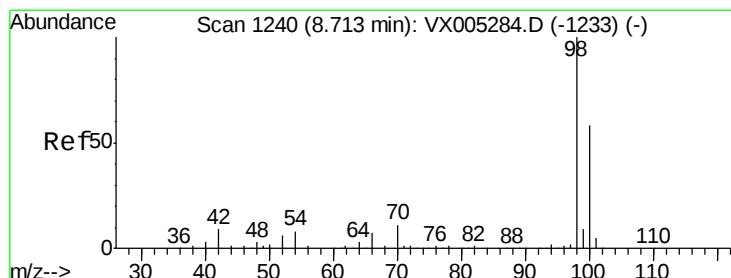
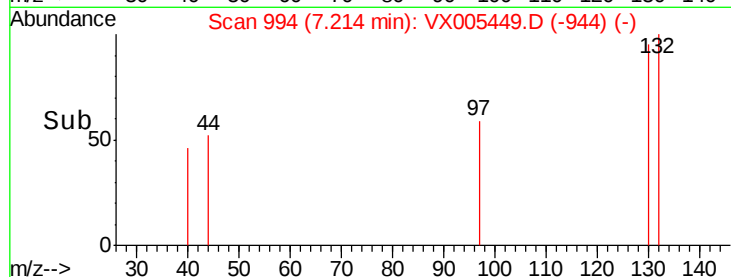
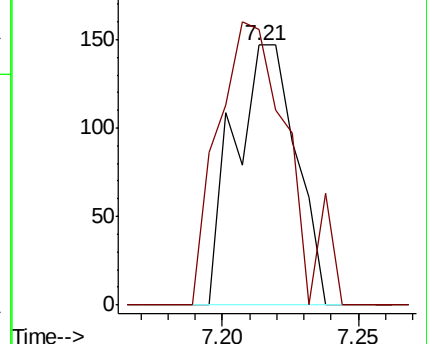
130 100

95 106.1 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: 47.697 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005449.D

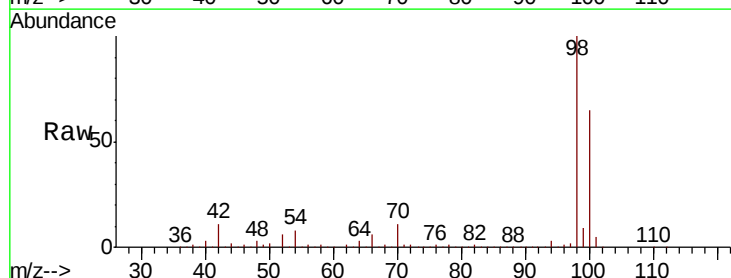
Acq: 19 Oct 2018 11:13

Tgt Ion: 98 Resp: 477394

Ion Ratio Lower Upper

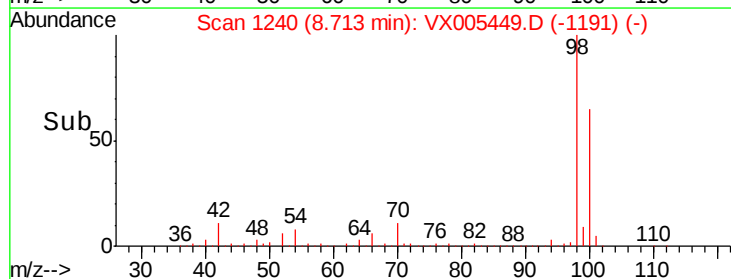
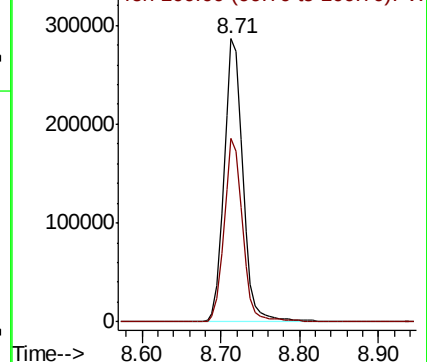
98 100

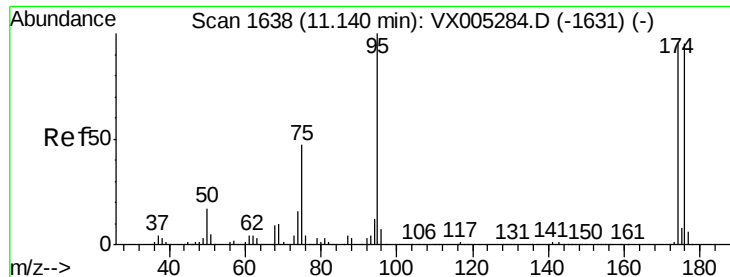
100 63.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.478 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

0692-KM-CA-AMD-COMP

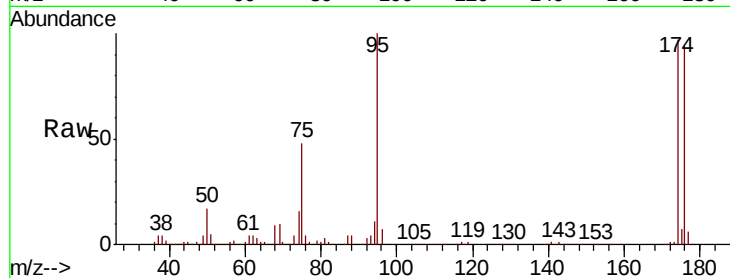
Tot Ion: 95 Resp: 163476

Ion Ratio Lower Upper

95 100

174 95.2 0.0 185.2

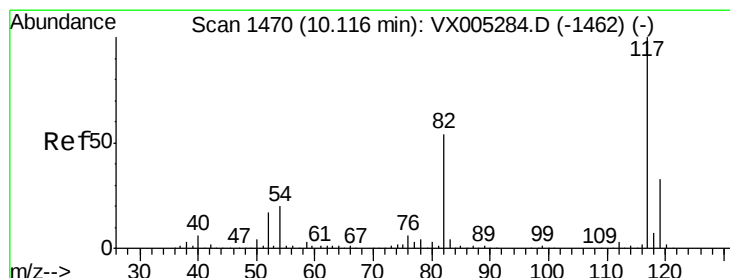
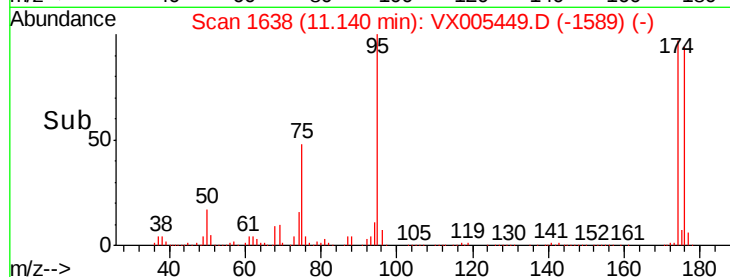
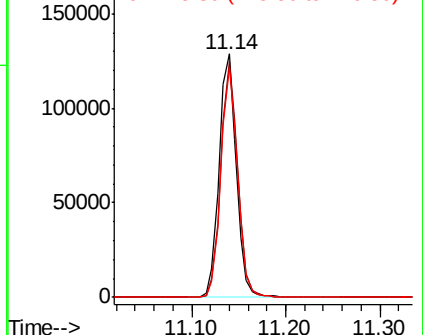
176 92.1 0.0 178.6



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: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

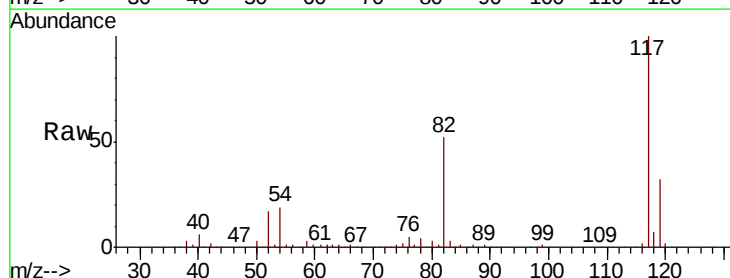
Tgt Ion: 117 Resp: 360739

Ion Ratio Lower Upper

117 100

82 52.2 47.8 71.6

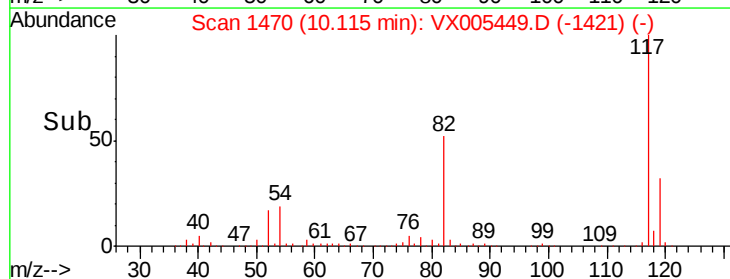
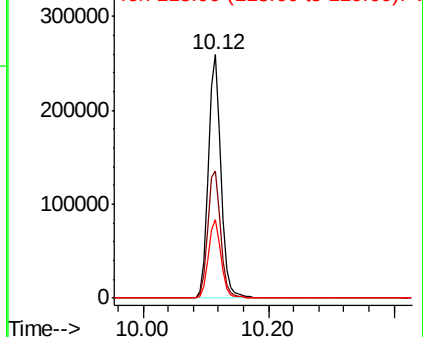
119 32.4 29.3 43.9

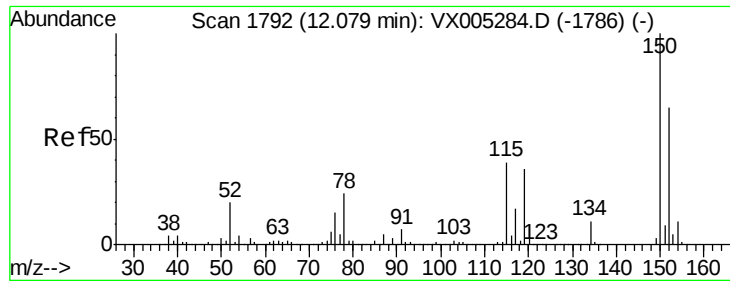


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): 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: VX005449.D

Acq: 19 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

0692-KM-CA-AMD-COMP

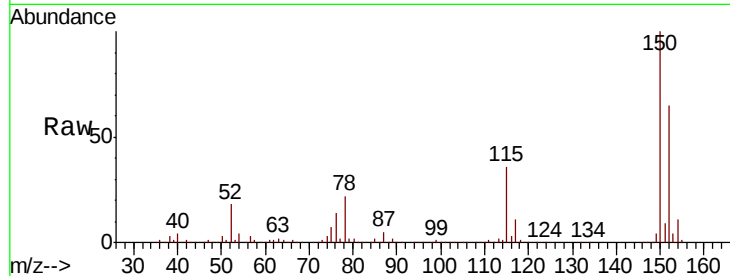
Tot Ion:152 Resp: 185654

Ion Ratio Lower Upper

152 100

115 54.3 39.0 117.0

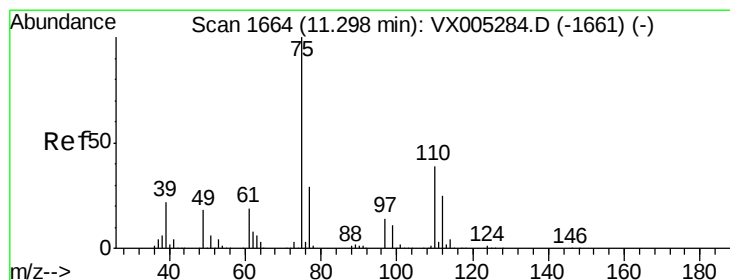
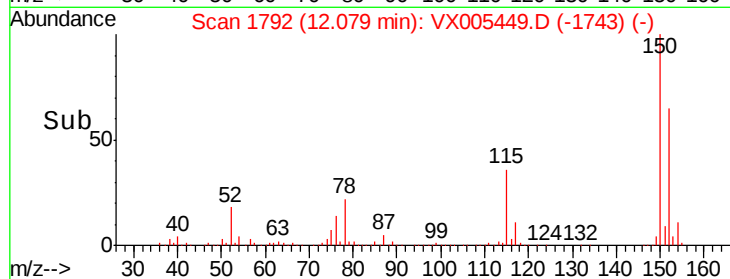
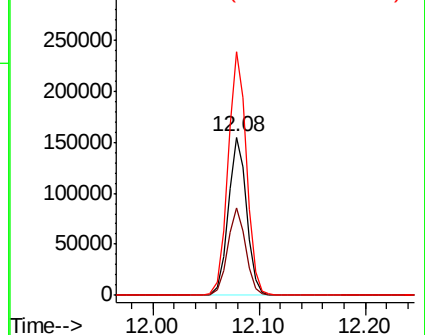
150 155.7 0.0 351.0



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: 21.953 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005449.D

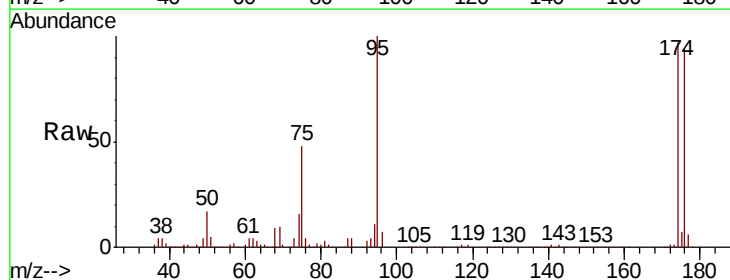
Acq: 19 Oct 2018 11:13

Tgt Ion: 75 Resp: 79056

Ion Ratio Lower Upper

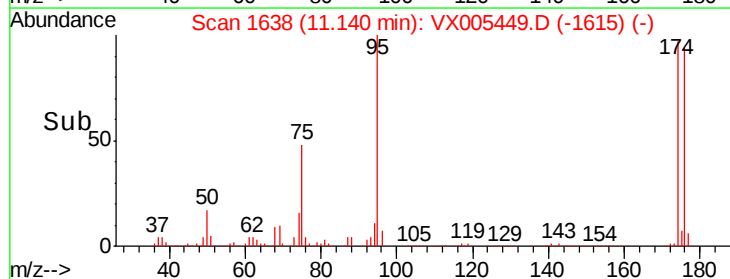
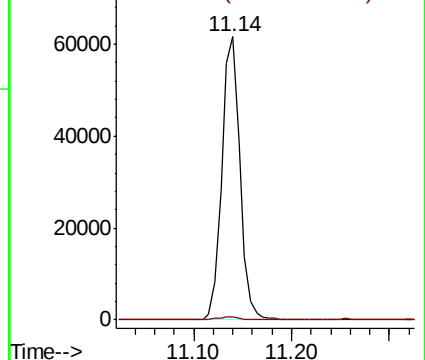
75 100

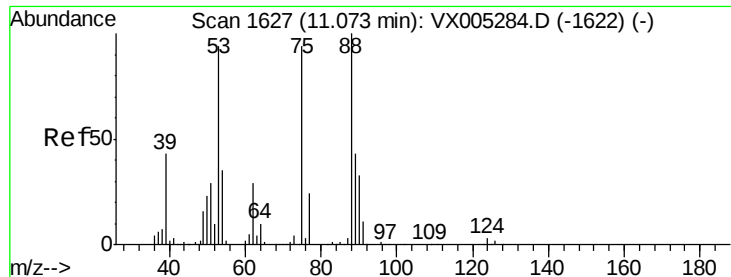
77 1.2 20.2 60.6#



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: 66.704 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005449.D

Acq: 19 Oct 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

0692-KM-CA-AMD-COMP

Tot Ion: 75 Resp: 79056

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#

