

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005423.D
 Acq On : 18 Oct 2018 12:10
 Operator : JC/MD
 Sample : J5573-01
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 0689-KM-CA-COMP

Quant Time: Oct 19 03:30:50 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	290433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	419664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	398493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220341	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	157034	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
35) Dibromofluoromethane	5.50	113	124884	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
50) Toluene-d8	8.71	98	517890	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
62) 4-Bromofluorobenzene	11.14	95	193755	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	

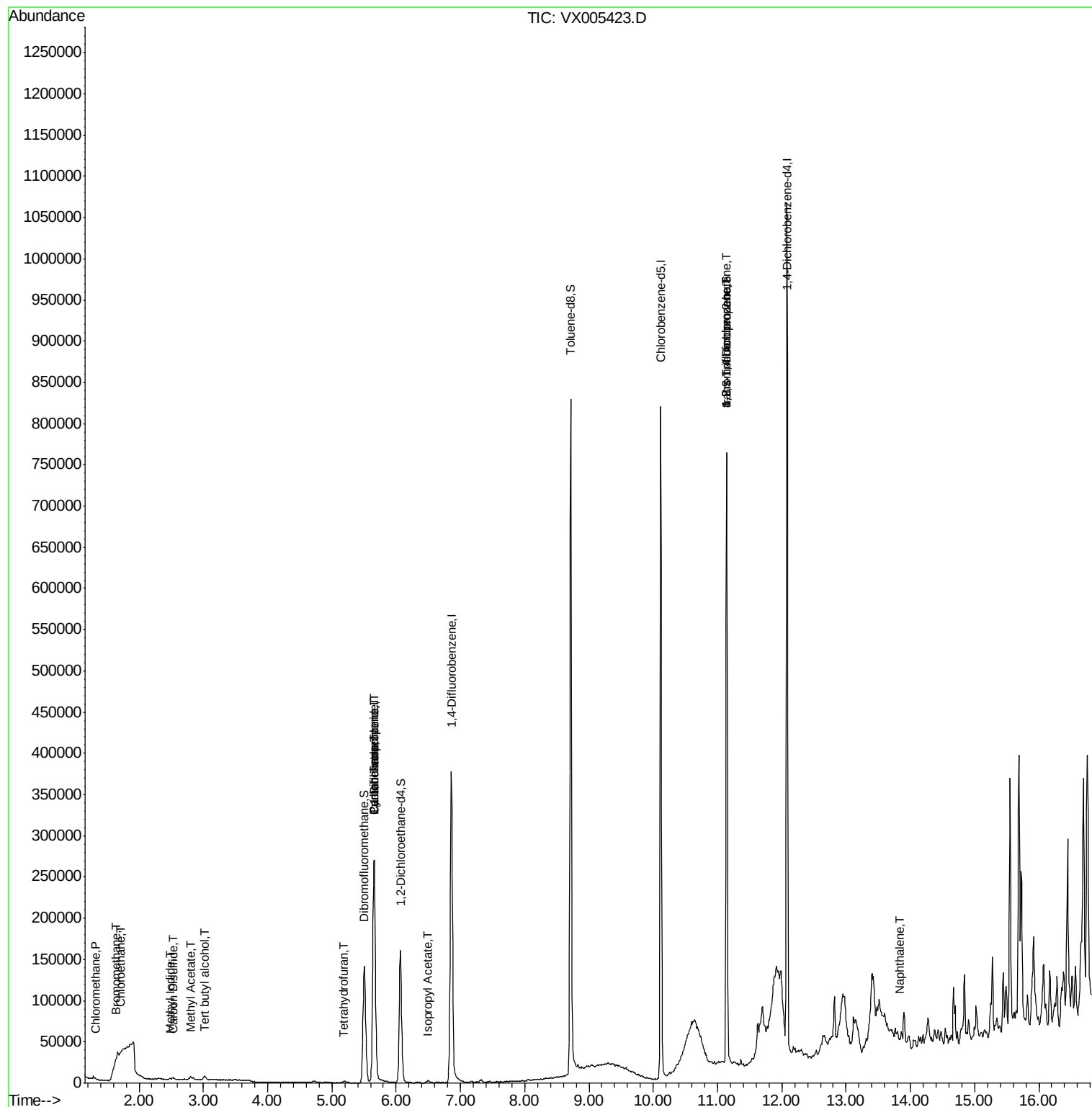
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	661	0.201	ug/l	89
5) Bromomethane	1.64	94	1568	1.407	ug/l	94
6) Chloroethane	1.71	64	222	0.437	ug/l #	75
10) Methyl Iodide	2.48	142	1227	2.903	ug/l #	87
11) Tert butyl alcohol	3.03	59	3138	3.451	ug/l #	75
13) Acrolein	2.28	56	107	Below Cal	#	5
17) Carbon Disulfide	2.53	76	2661	0.345	ug/l	98
18) Methyl Acetate	2.80	43	5322	1.004	ug/l	93
20) Methylene Chloride	2.84	84	804	Below Cal		94
29) Tetrahydrofuran	5.19	42	1913	1.100	ug/l #	81
31) Cyclohexane	5.66	56	4783	1.079	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	18841	4.636	ug/l #	50
38) Carbon Tetrachloride	5.65	117	25131	6.154	ug/l #	15
43) Isopropyl Acetate	6.48	43	1538	0.221	ug/l #	59
44) Trichloroethene	7.21	130	188	Below Cal		91
76) 1,2,3-Trichloropropane	11.14	75	94289	22.061	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	94289	67.032	ug/l #	10
95) Naphthalene	13.83	128	6010	0.396	ug/l	99

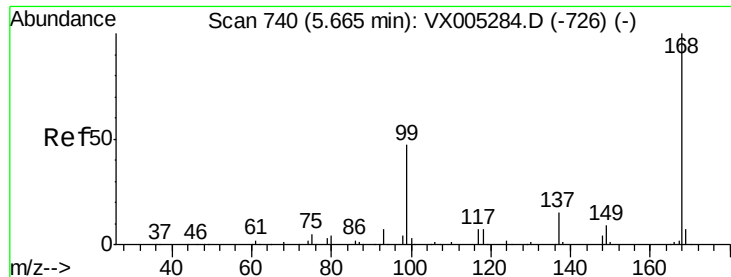
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101818\
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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: VX005423.D

Acq: 18 Oct 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

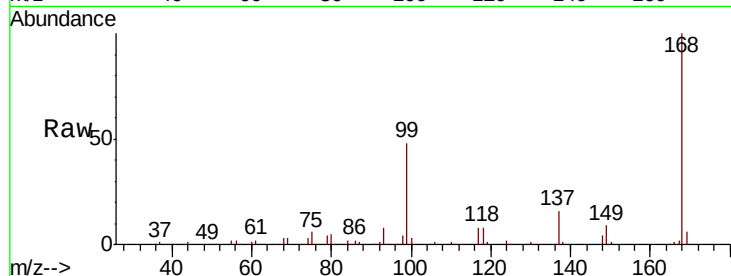
0689-KM-CA-COMP

Tot Ion:168 Resp: 290433

Ion Ratio Lower Upper

168 100

99 48.0 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

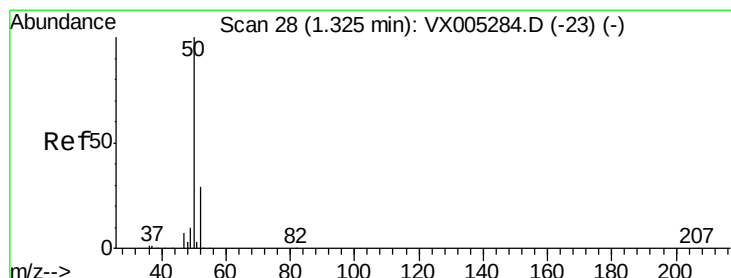
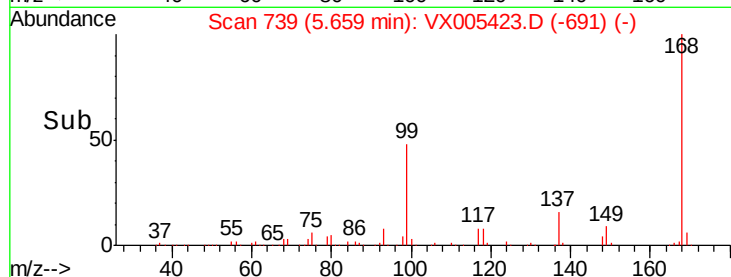
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005423.D

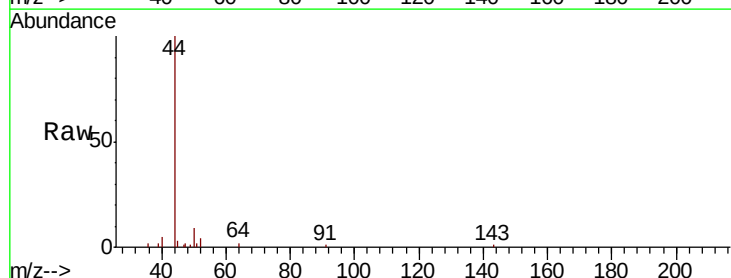
Acq: 18 Oct 2018 12:10

Tgt Ion: 50 Resp: 661

Ion Ratio Lower Upper

50 100

52 39.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

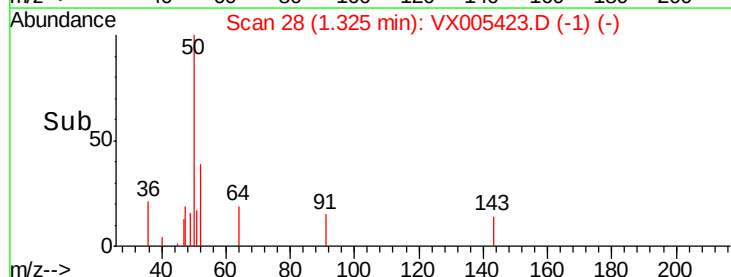
300

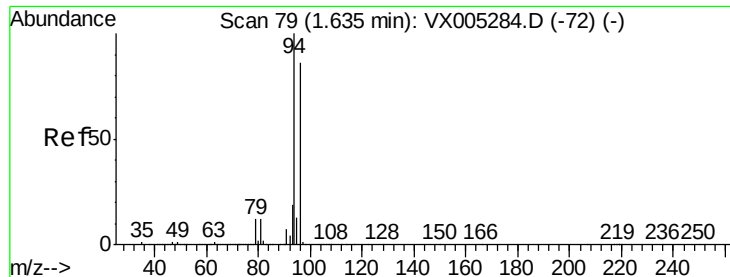
200

100

0

Time--> 1.25 1.30 1.35





#5

Bromomethane

Concen: 1.407 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

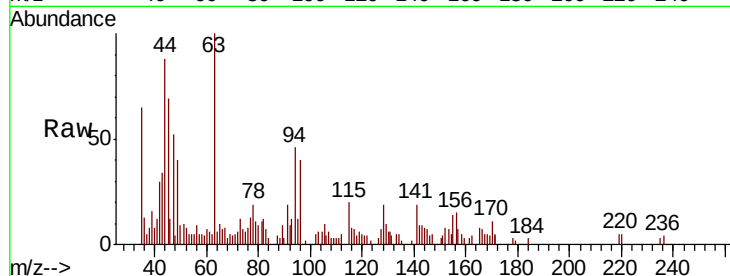
0689-KM-CA-COMP

Tot Ion: 94 Resp: 1568

Ion Ratio Lower Upper

94 100

96 87.7 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

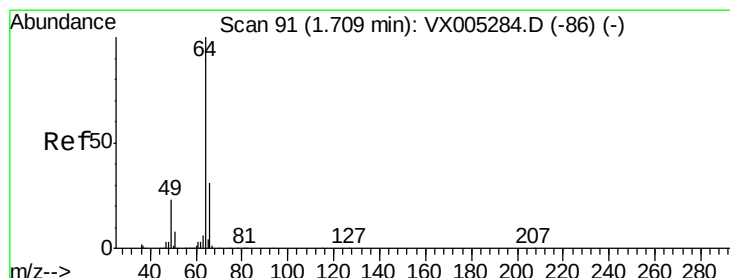
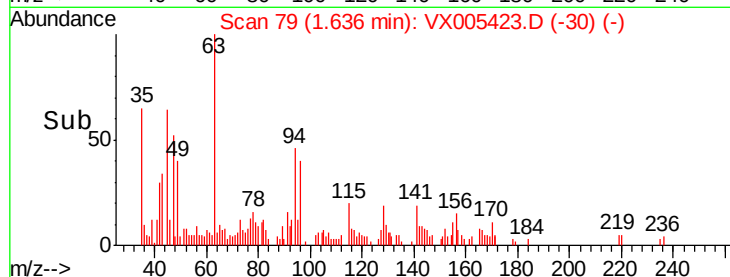
400

200

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 0.437 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005423.D

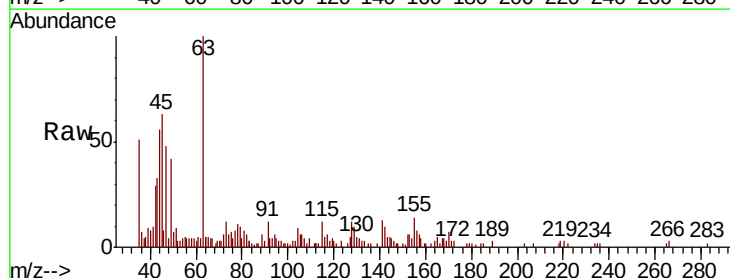
Acq: 18 Oct 2018 12:10

Tgt Ion: 64 Resp: 222

Ion Ratio Lower Upper

64 100

66 16.9 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

400

300

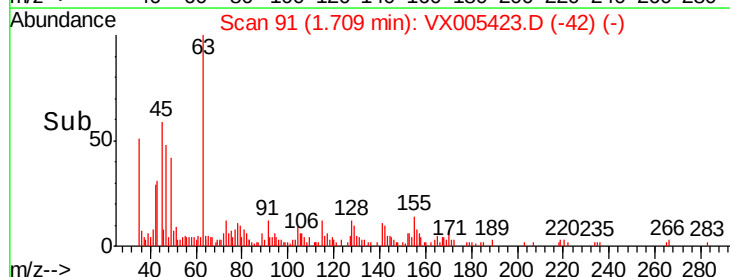
200

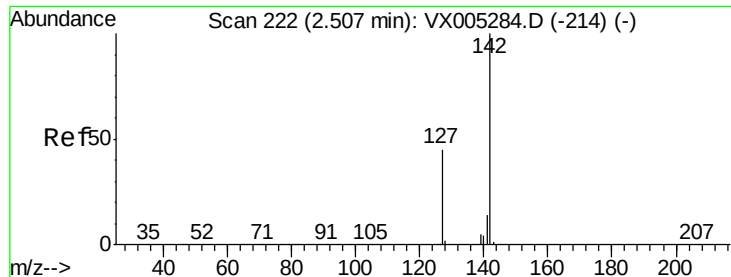
100

0

Time-->

1.68 1.70 1.72 1.74

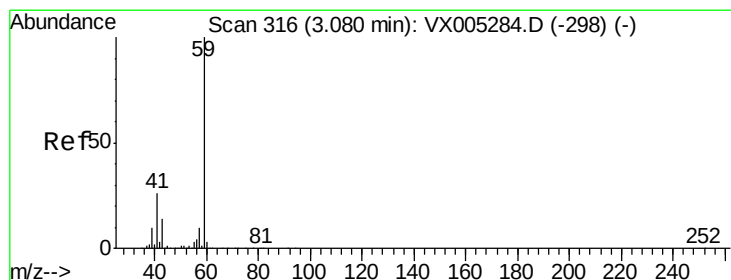
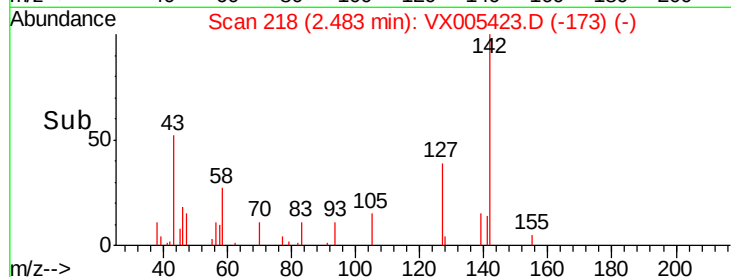
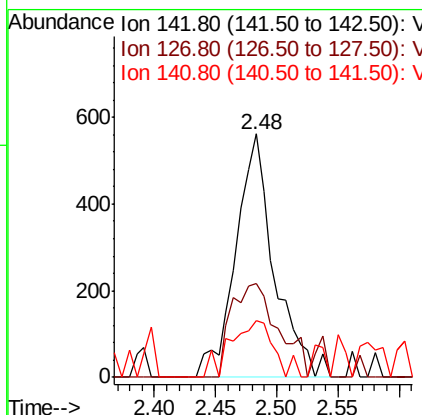
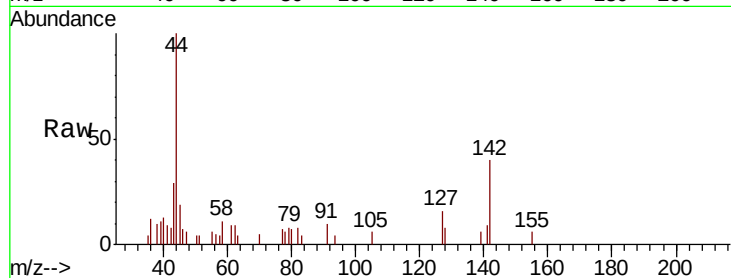




#10
Methvl Iodide
Concen: 2.903 ug/l
RT: 2.48 min Scan# 218
Delta R.T. -0.02 min
Lab File: VX005423.D
Acq: 18 Oct 2018 12:10

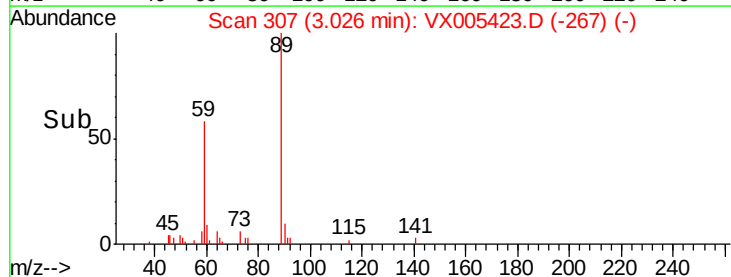
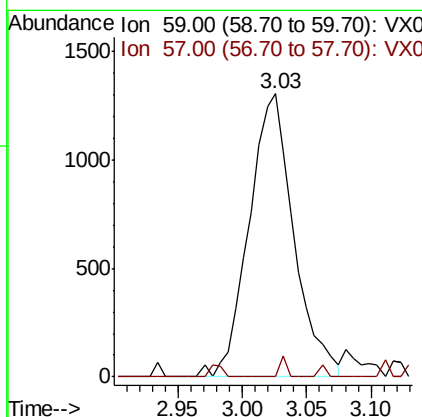
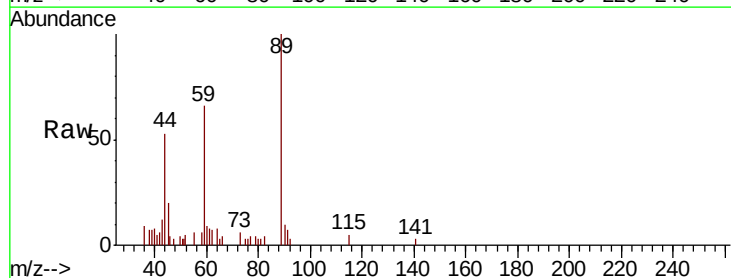
Instrument :
MSVOA_X
ClientSampleId :
0689-KM-CA-COMP

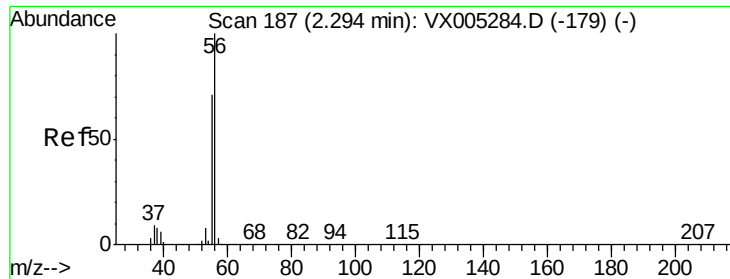
Tot Ion:142 Resp: 1227
Ion Ratio Lower Upper
142 100
127 46.9 33.8 50.6
141 26.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.451 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005423.D
Acq: 18 Oct 2018 12:10

Tgt Ion: 59 Resp: 3138
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

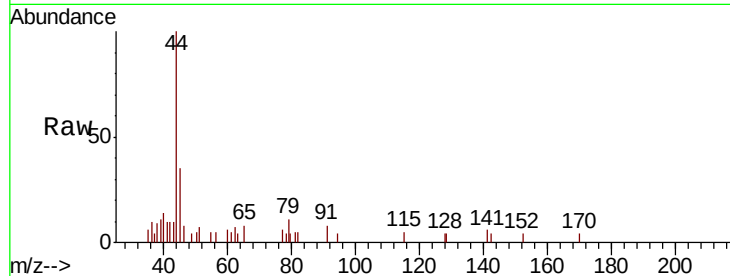
0689-KM-CA-COMP

Tot Ion: 56 Resp: 107

Ion Ratio Lower Upper

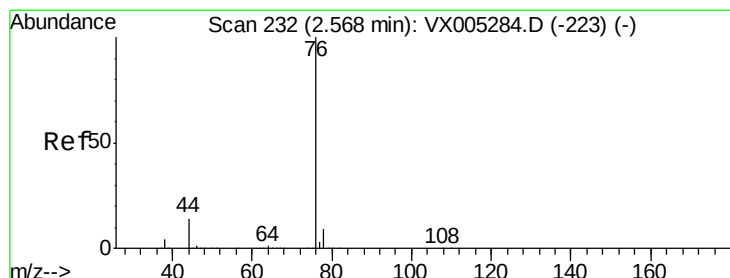
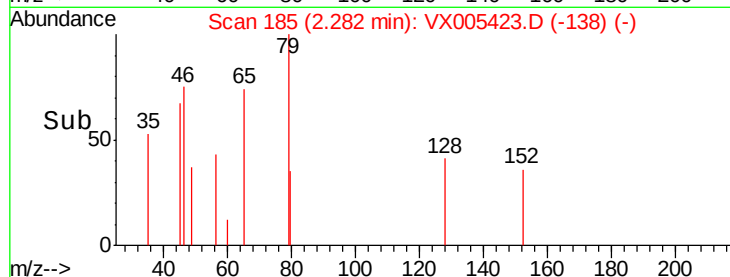
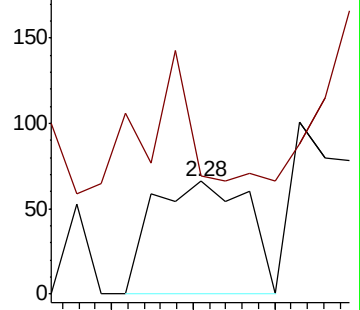
56 100

55 145.8 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#17

Carbon Disulfide

Concen: 0.345 ug/l

RT: 2.53 min Scan# 225

Delta R.T. -0.04 min

Lab File: VX005423.D

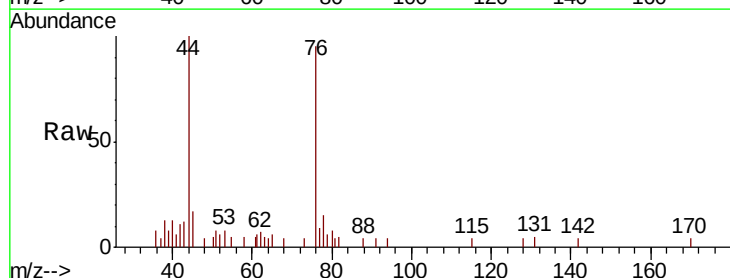
Acq: 18 Oct 2018 12:10

Tgt Ion: 76 Resp: 2661

Ion Ratio Lower Upper

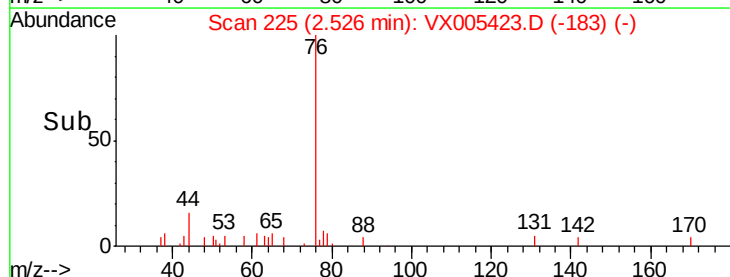
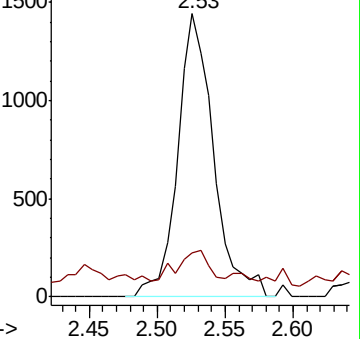
76 100

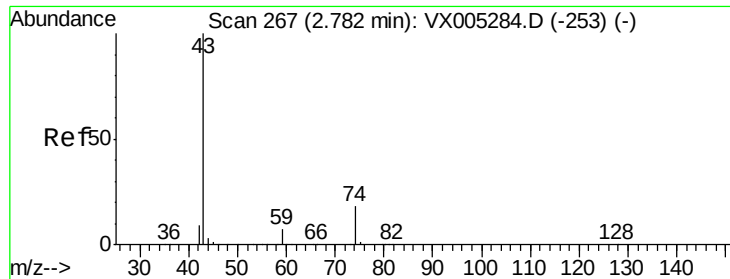
78 9.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

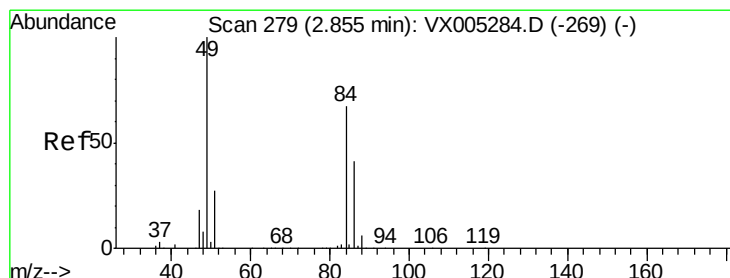
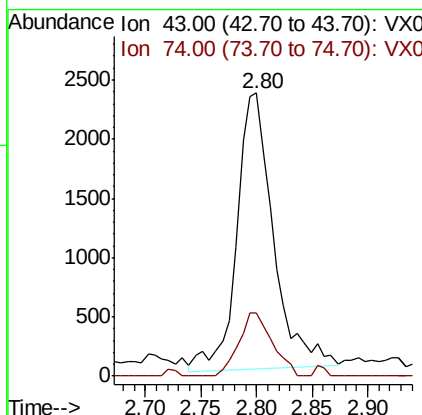
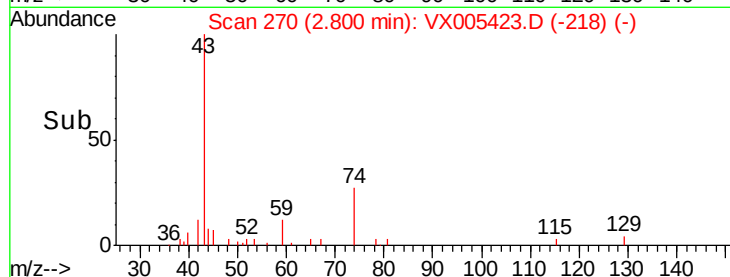
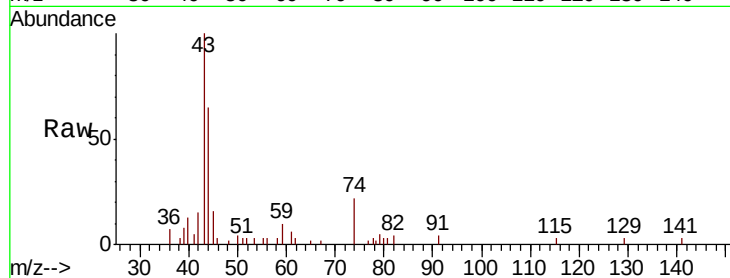




#18
Methvl Acetate
Concen: 1.004 ug/l
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX005423.D
Acq: 18 Oct 2018 12:10

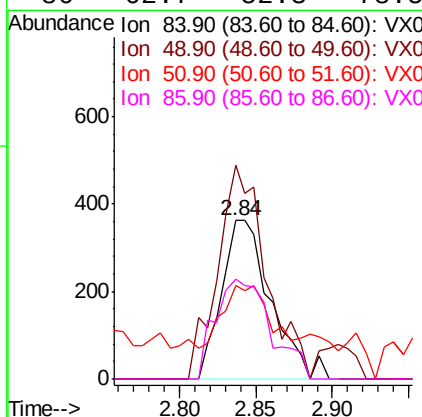
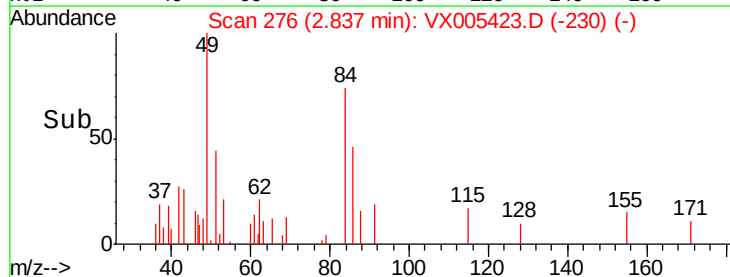
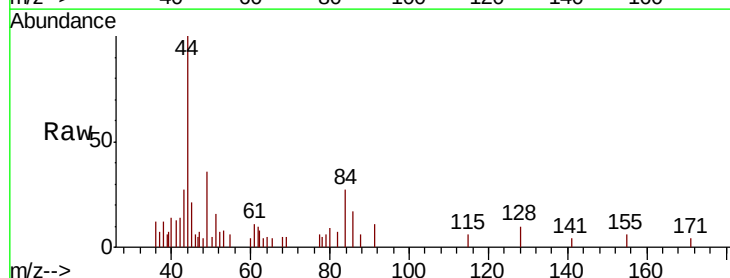
Instrument :
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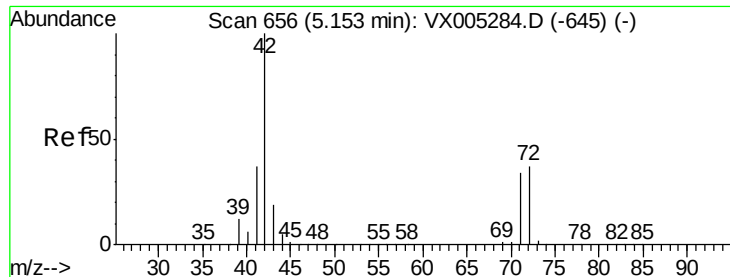
Tot Ion: 43 Resp: 5322
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX005423.D
Acq: 18 Oct 2018 12:10

Tgt Ion: 84 Resp: 804
Ion Ratio Lower Upper
84 100
49 135.1 101.2 151.8
51 41.2 29.5 44.3
86 62.7 52.3 78.5

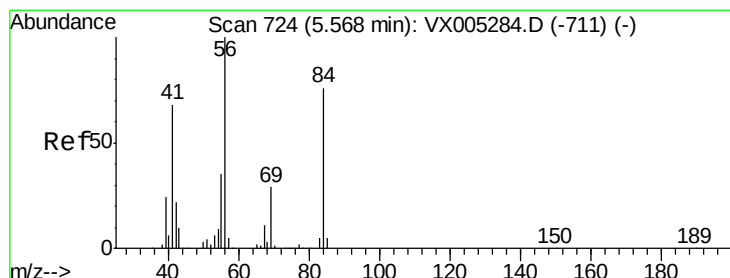
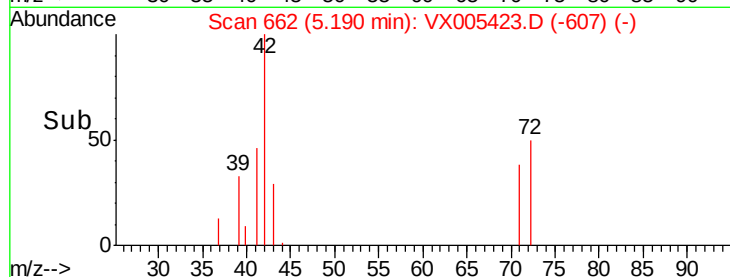
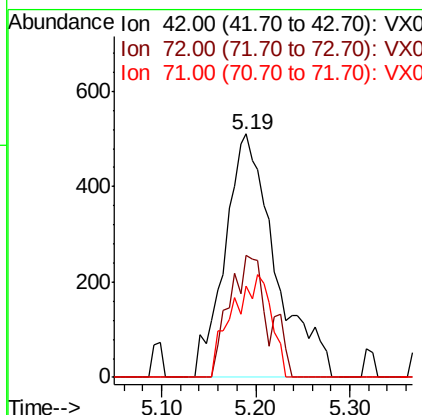
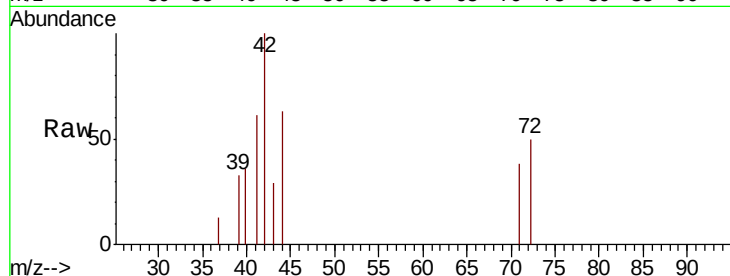




#29
Tetrahydrofuran
Concen: 1.100 ug/l
RT: 5.19 min Scan# 662
Delta R.T. 0.04 min
Lab File: VX005423.D
Acq: 18 Oct 2018 12:10

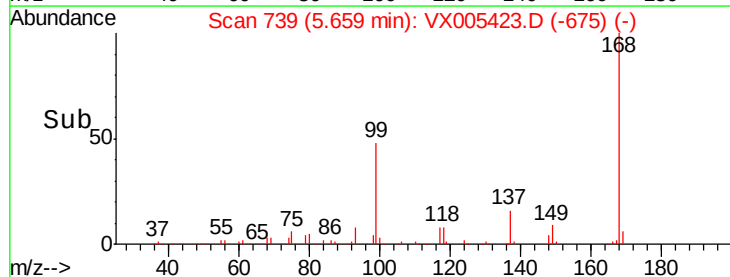
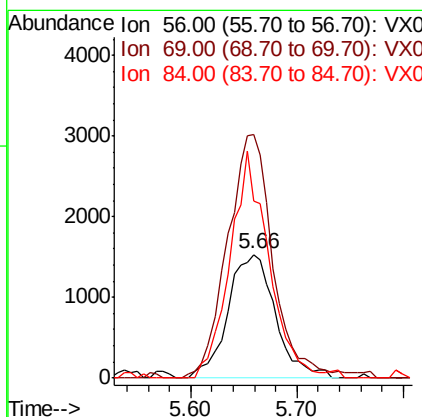
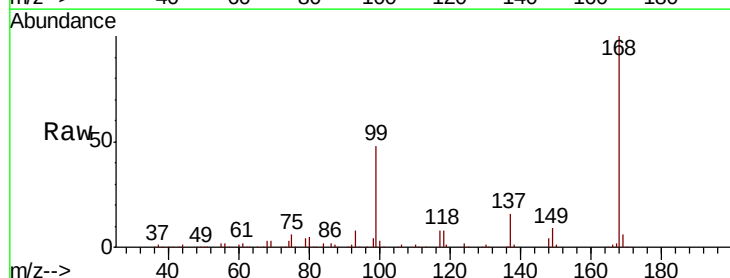
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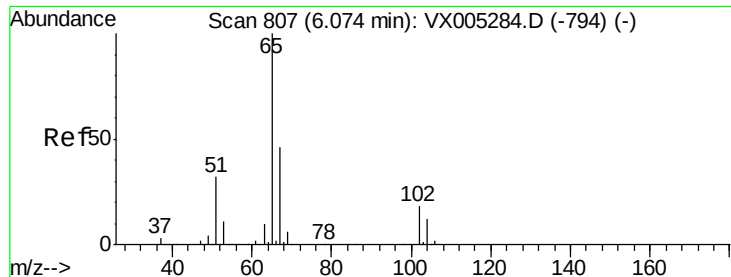
Tot Ion: 42 Resp: 1913
Ion Ratio Lower Upper
42 100
72 32.6 37.4 56.0#
71 32.8 34.5 51.7#



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005423.D
Acq: 18 Oct 2018 12:10

Tgt Ion: 56 Resp: 4783
Ion Ratio Lower Upper
56 100
69 193.9 25.4 38.2#
84 143.8 71.4 107.2#

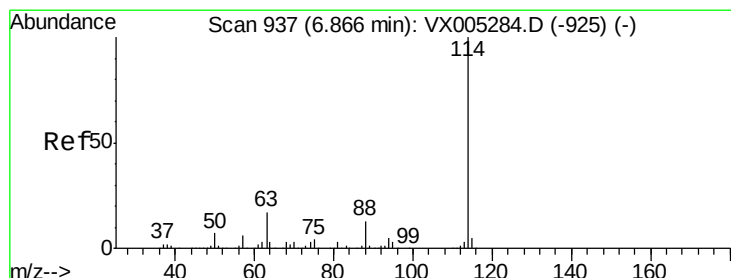
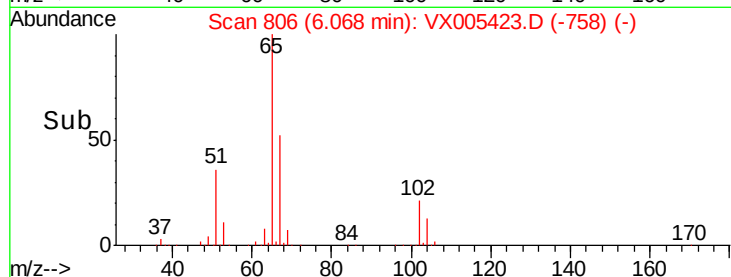
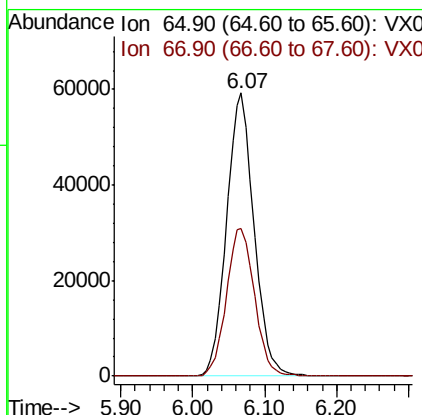
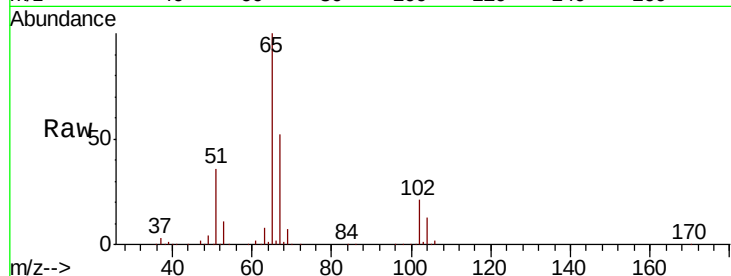




#33
 1,2-Dichloroethane-d4
 Concen: 48.717 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005423.D
 Acq: 18 Oct 2018 12:10

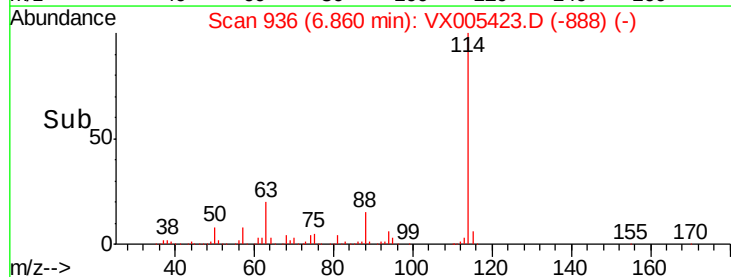
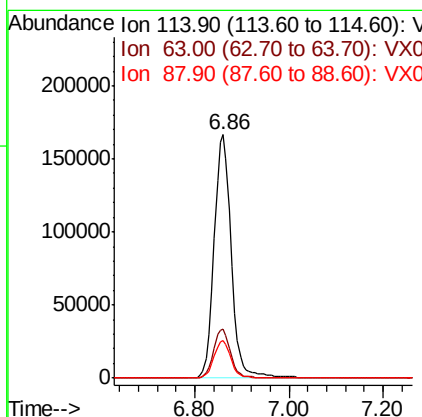
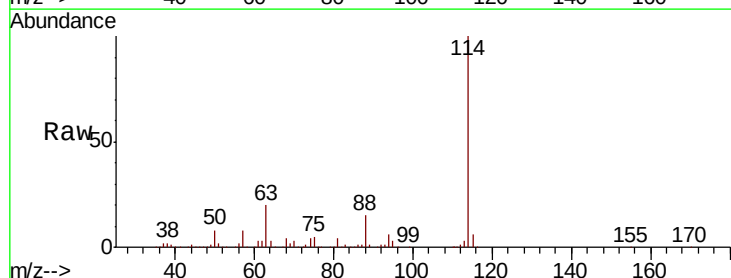
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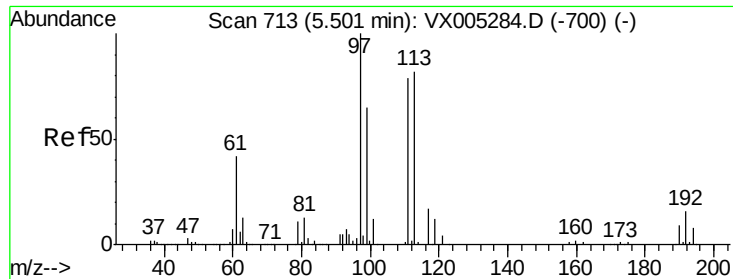
Tot Ion: 65 Resp: 157034
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005423.D
 Acq: 18 Oct 2018 12:10

Tgt Ion: 114 Resp: 419664
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 44.930 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

0689-KM-CA-COMP

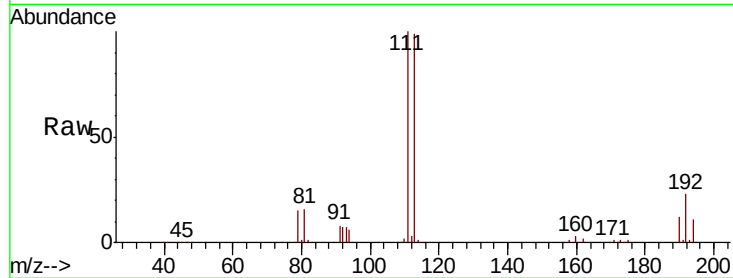
Tot Ion:113 Resp: 124884

Ion Ratio Lower Upper

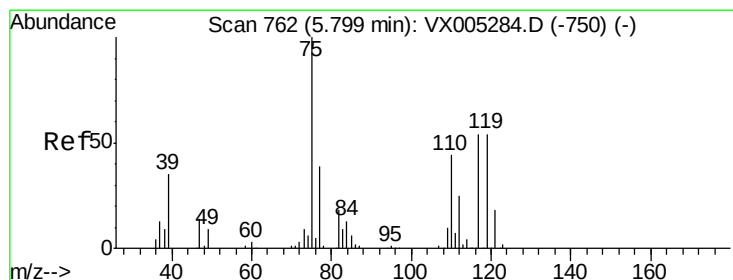
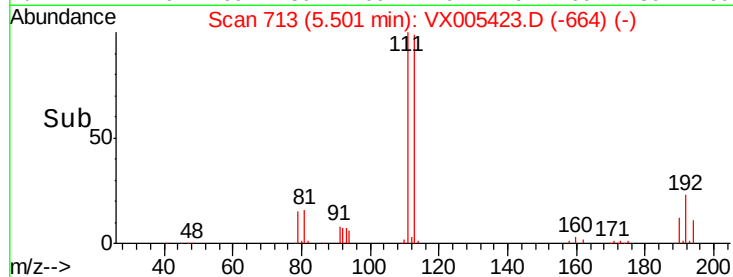
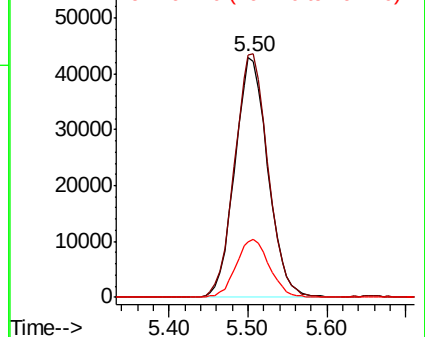
113 100

111 102.6 82.4 123.6

192 24.4 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: 4.636 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

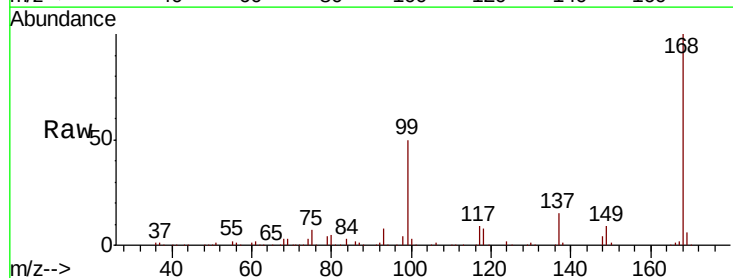
Tgt Ion: 75 Resp: 18841

Ion Ratio Lower Upper

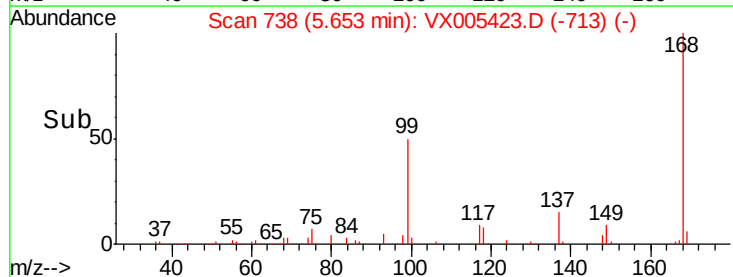
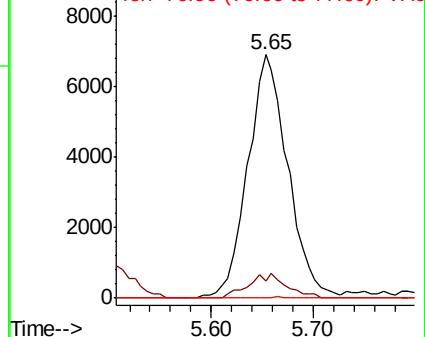
75 100

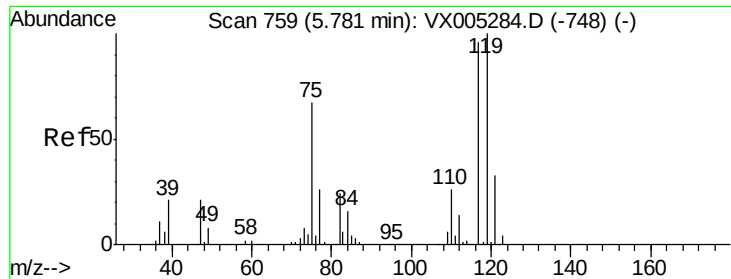
110 9.6 18.0 54.0#

77 0.1 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: 6.154 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

0689-KM-CA-COMP

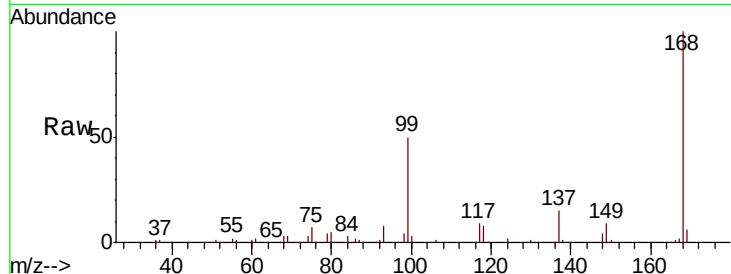
Tot Ion:117 Resp: 25131

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

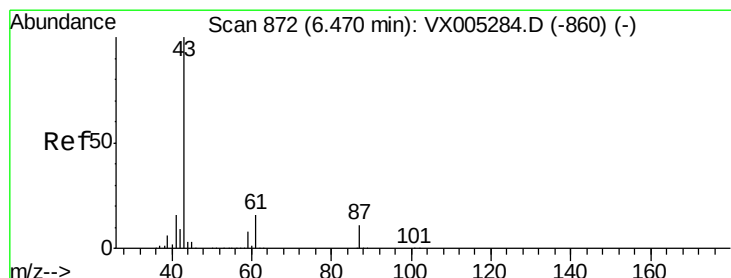
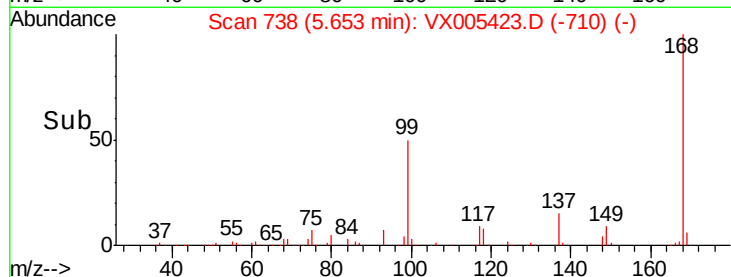
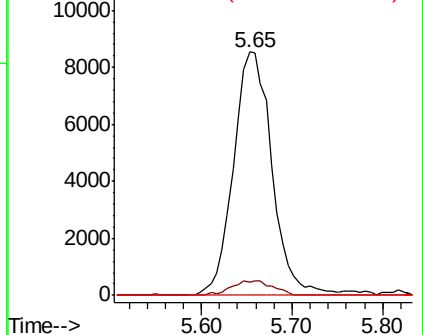
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 0.221 ug/l

RT: 6.48 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

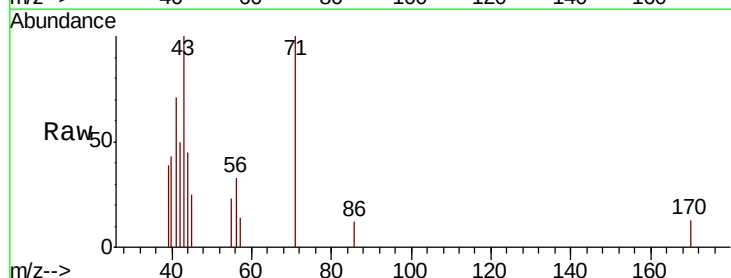
Tgt Ion: 43 Resp: 1538

Ion Ratio Lower Upper

43 100

61 0.0 17.0 25.4#

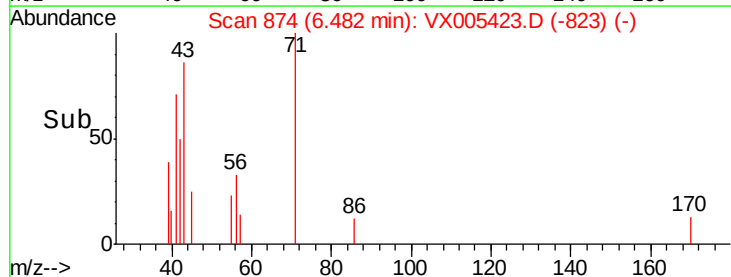
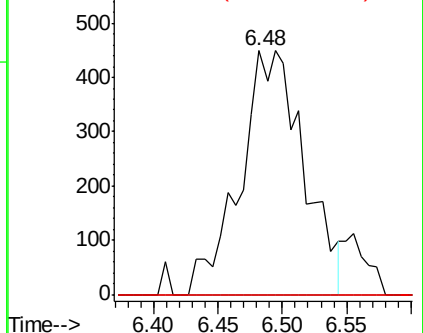
87 0.0 11.4 17.2#

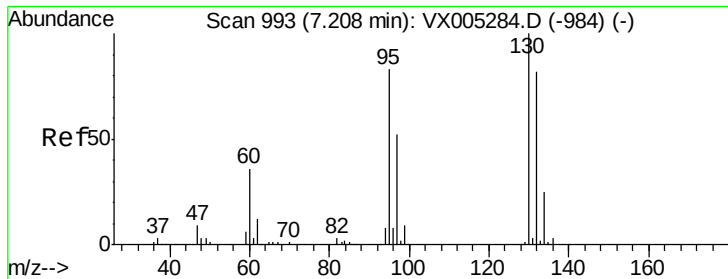


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

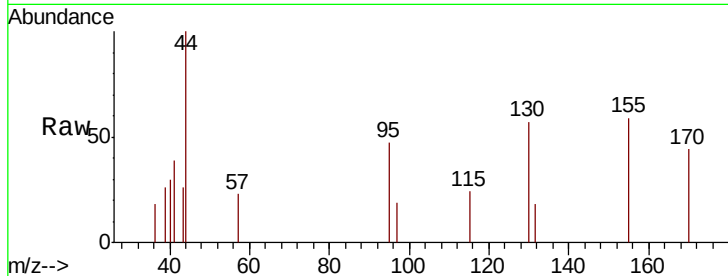
0689-KM-CA-COMP

Tot Ion:130 Resp: 188

Ion Ratio Lower Upper

130 100

95 82.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

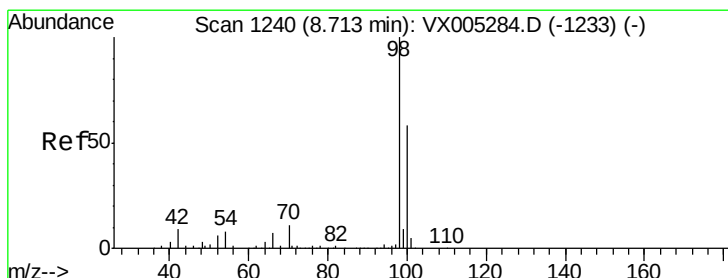
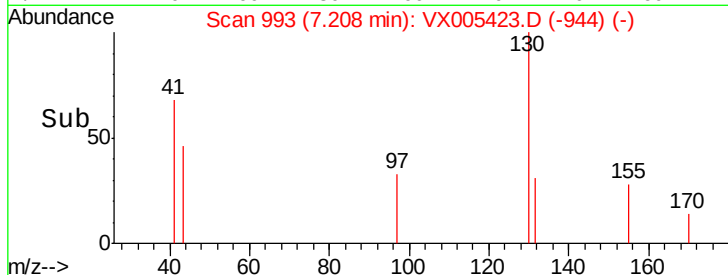
150

100

50

0

Time--> 7.16 7.18 7.20 7.22 7.24



#50

Toluene-d8

Concen: 54.273 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005423.D

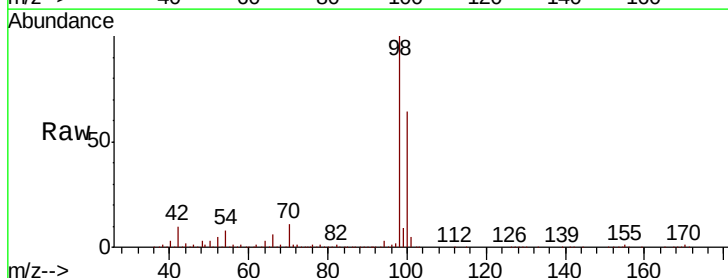
Acq: 18 Oct 2018 12:10

Tgt Ion: 98 Resp: 517890

Ion Ratio Lower Upper

98 100

100 63.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

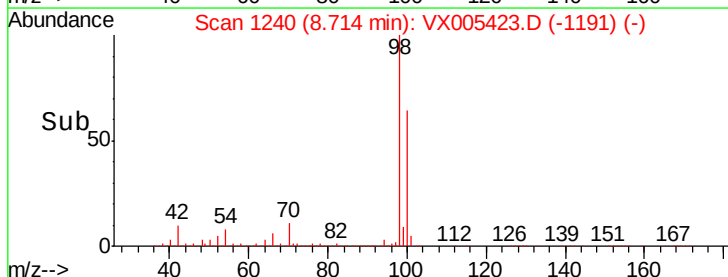
300000

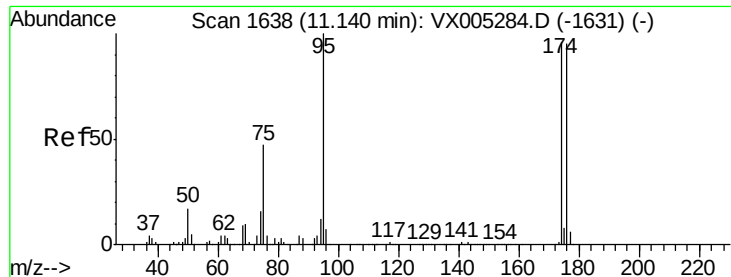
200000

100000

0

Time--> 8.60 8.70 8.80 8.90





#62

4-Bromofluorobenzene

Concen: 54.050 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

0689-KM-CA-COMP

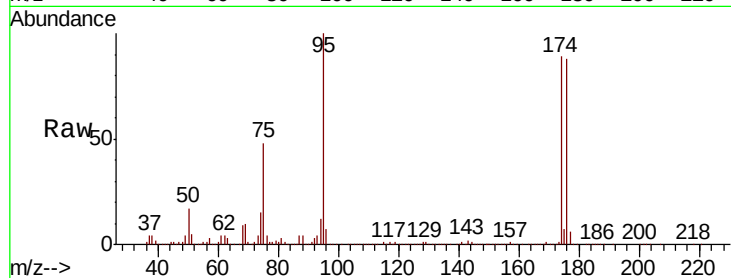
Tot Ion: 95 Resp: 193755

Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.2

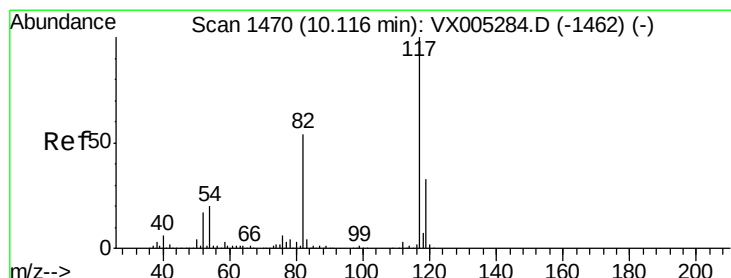
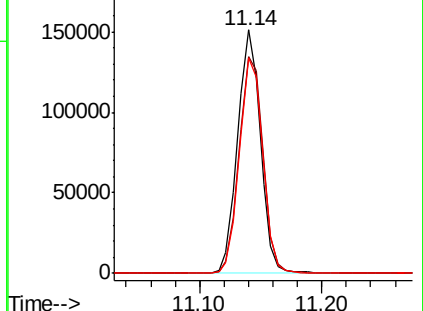
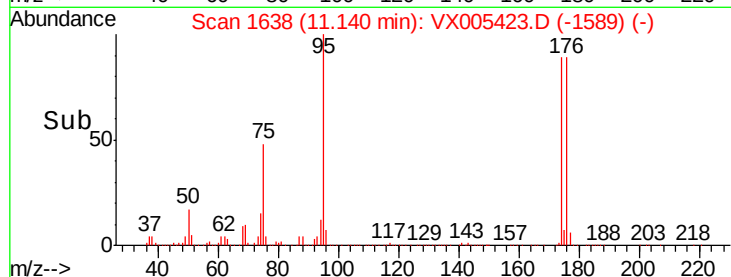
176 91.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005423.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005423.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005423.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

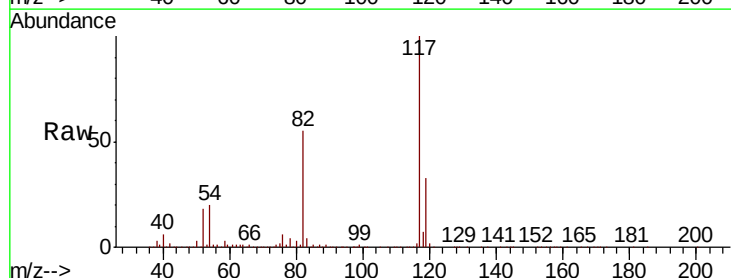
Tgt Ion: 117 Resp: 398493

Ion Ratio Lower Upper

117 100

82 54.7 47.8 71.6

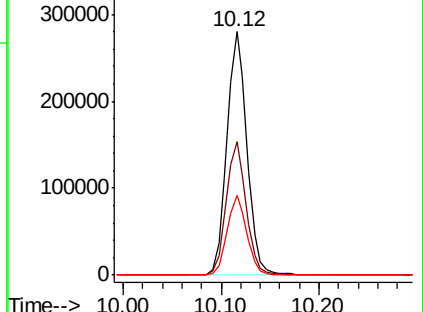
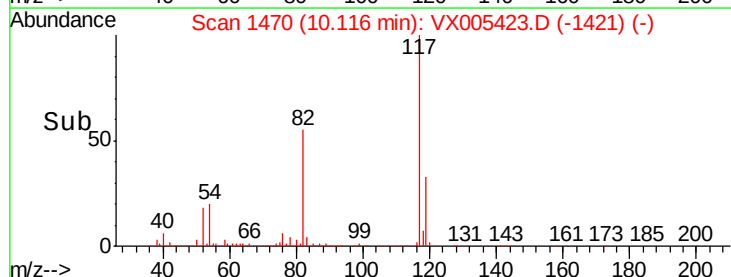
119 32.5 29.3 43.9

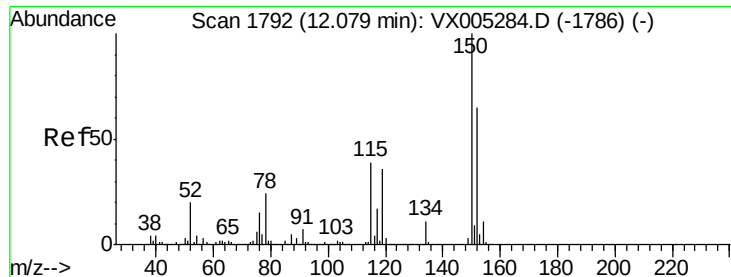


Abundance Ion 116.90 (116.60 to 117.60): VX005423.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005423.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005423.D (-1421) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005423.D

Acq: 18 Oct 2018 12:10

Instrument :

MSVOA_X

ClientSampleId :

0689-KM-CA-COMP

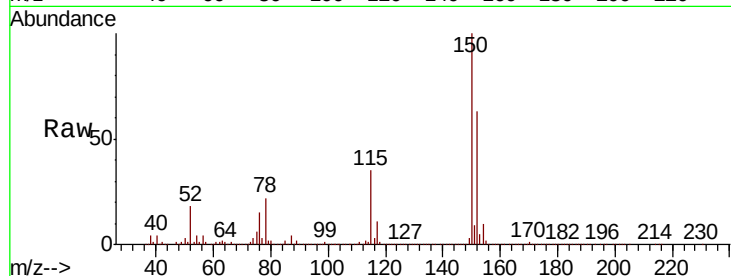
Tot Ion:152 Resp: 220341

Ion Ratio Lower Upper

152 100

115 54.7 39.0 117.0

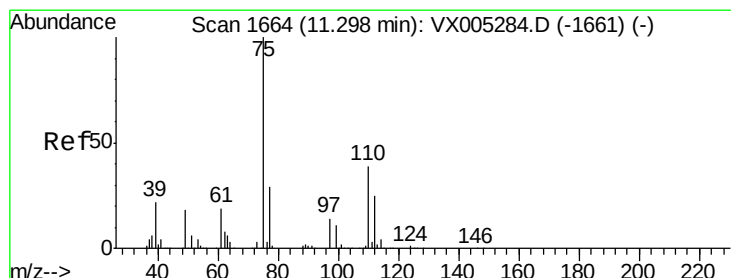
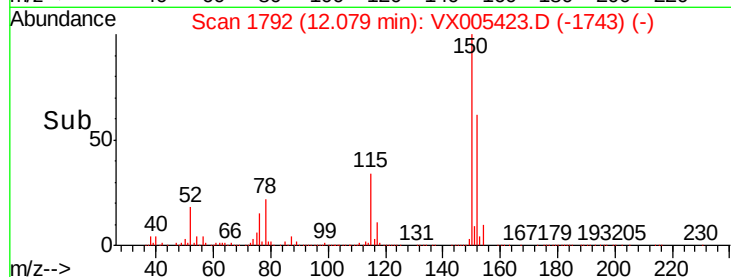
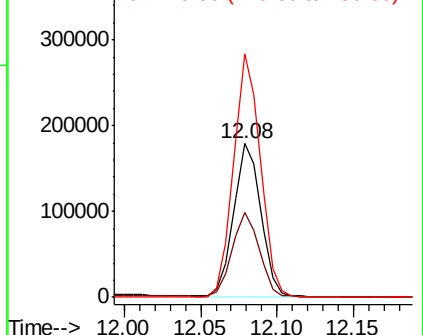
150 156.5 0.0 351.0



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: 22.061 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005423.D

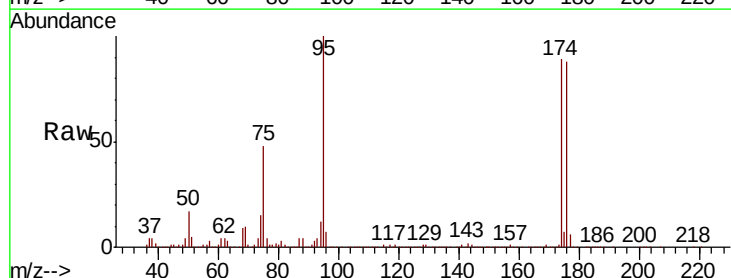
Acq: 18 Oct 2018 12:10

Tgt Ion: 75 Resp: 94289

Ion Ratio Lower Upper

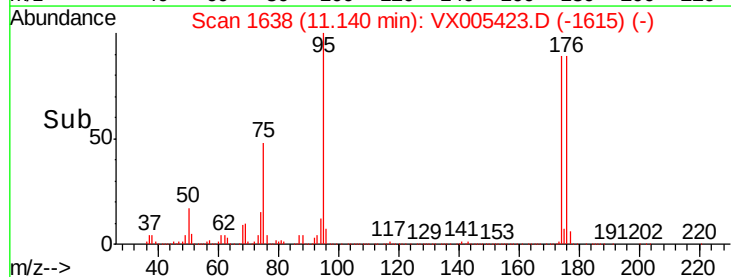
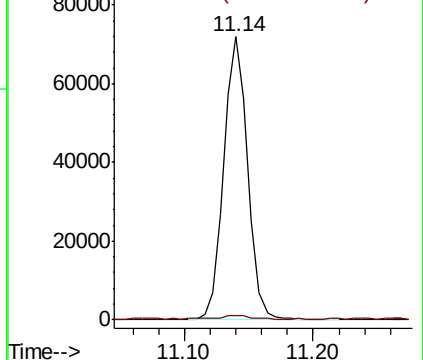
75 100

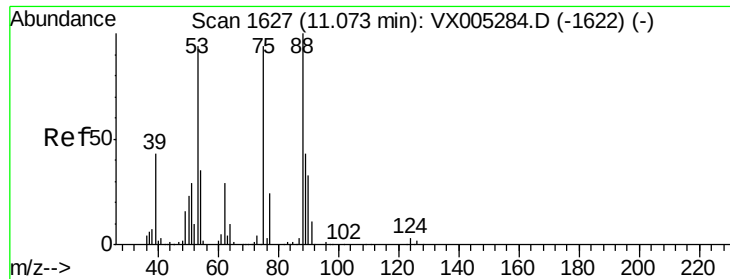
77 1.6 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

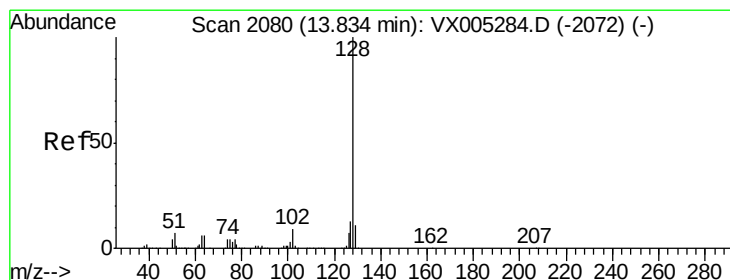
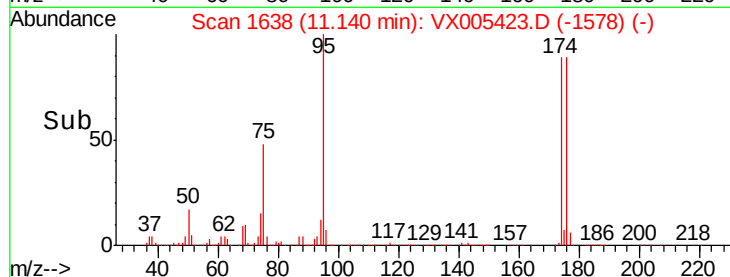
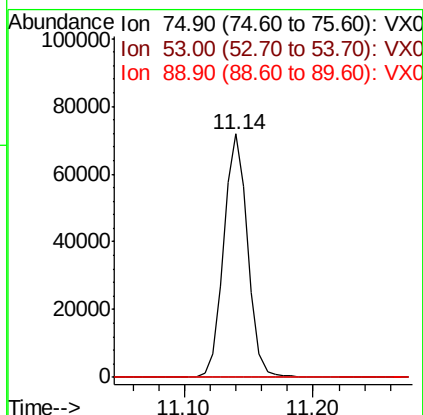
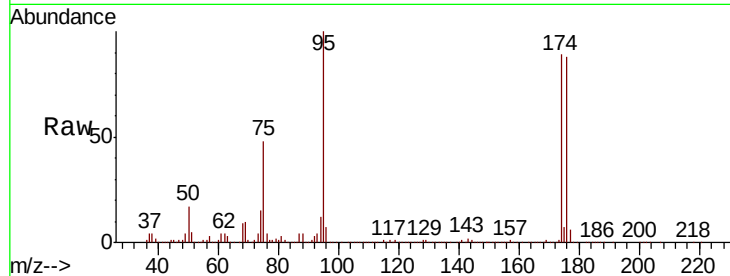




#81
trans-1,4-Dichloro-2-butene
Concen: 67.032 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX005423.D
Acq: 18 Oct 2018 12:10

Instrument :
MSVOA_X
ClientSampleId :
0689-KM-CA-COMP

Tot Ion: 75 Resp: 94289
Ion Ratio Lower Upper
75 100
53 0.2 80.1 120.1#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 0.396 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005423.D
Acq: 18 Oct 2018 12:10

Tgt Ion: 128 Resp: 6010
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 11.2 8.6 12.8

