

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009789.D
 Acq On : 22 May 2019 08:30
 Operator : JC/SP
 Sample : K2910-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0224

Quant Time: May 22 09:04:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	173924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279026	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105250	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120473	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	5.50	113	86397	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	8.71	98	355060	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.13	95	118357	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

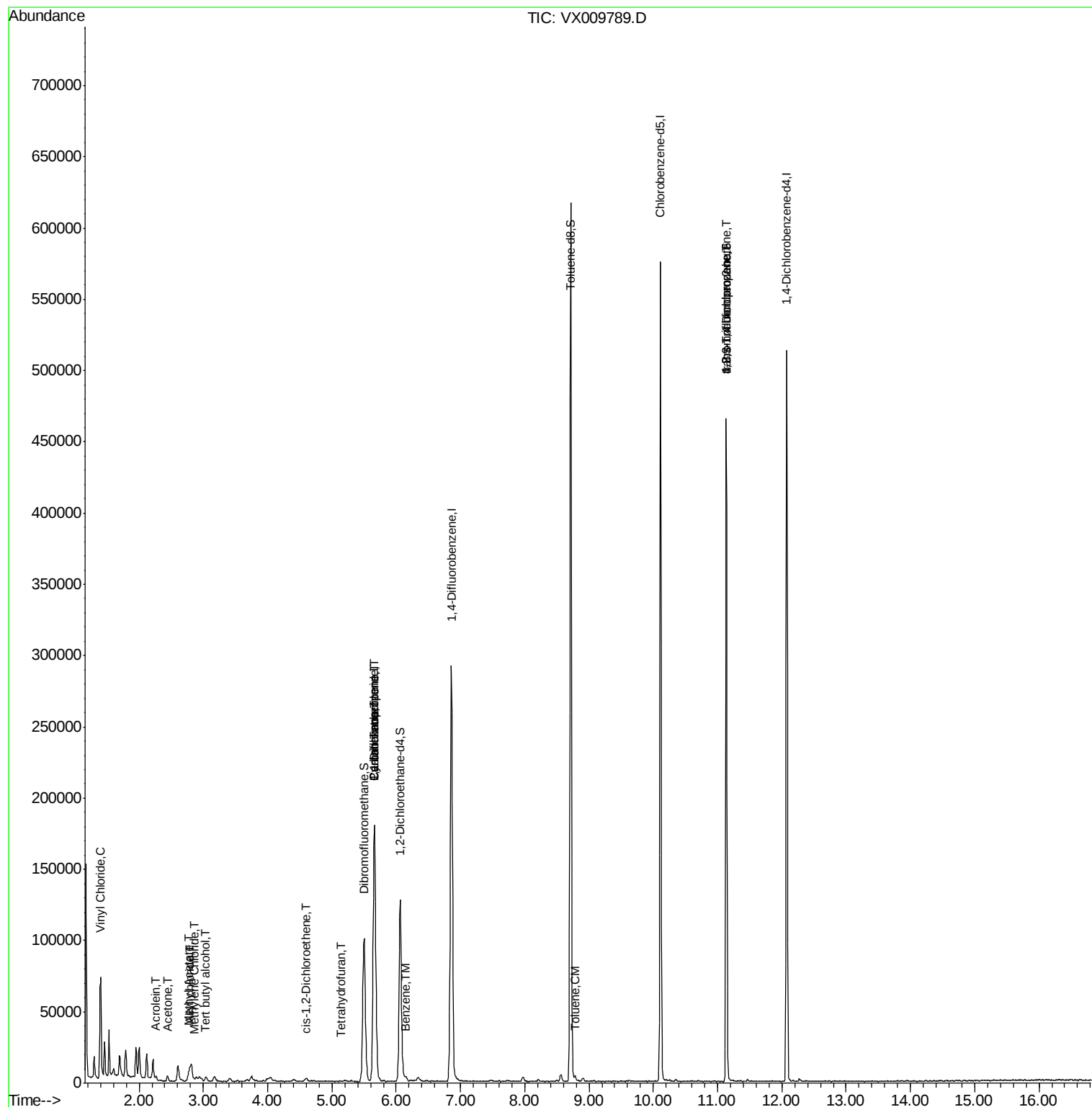
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	673	0.315	ug/l #	31
11) Tert butyl alcohol	3.04	59	3408	6.201	ug/l #	85
13) Acrolein	2.26	56	296	0.595	ug/l #	1
14) Allyl chloride	2.78	41	5113	1.286	ug/l #	30
16) Acetone	2.44	43	3952	3.100	ug/l	98
18) Methyl Acetate	2.77	43	1996	0.658	ug/l #	56
20) Methylene Chloride	2.86	84	438	0.212	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	1353	0.640	ug/l	96
28) Bromochloromethane	4.99	49	39	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	286	0.224	ug/l #	38
31) Cyclohexane	5.66	56	4488	1.279	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13944	5.378	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16595	7.044	ug/l #	16
40) Benzene	6.14	78	3331	0.415	ug/l	94
52) Toluene	8.79	92	1001	0.205	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	60976	24.976	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60976	63.904	ug/l #	11

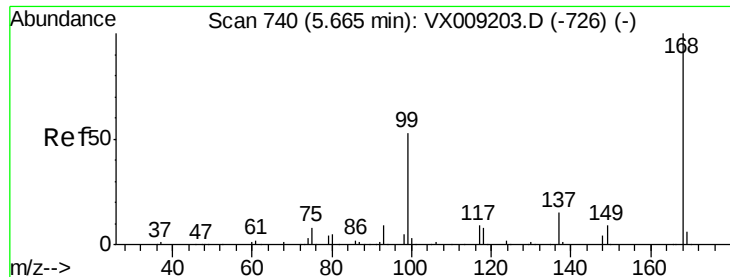
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009789.D

Acq: 22 May 2019 08:30

Instrument :

MSVOA_X

ClientSampleId :

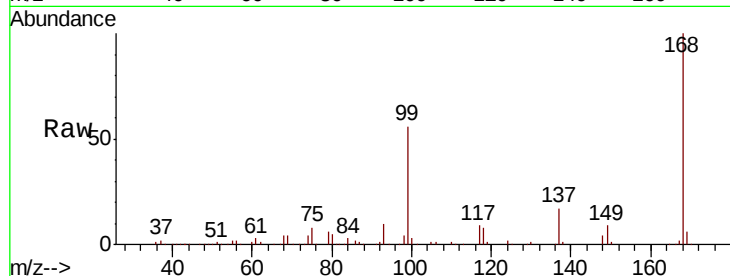
S73-0224

Tot Ion:168 Resp: 173924

Ion Ratio Lower Upper

168 100

99 55.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

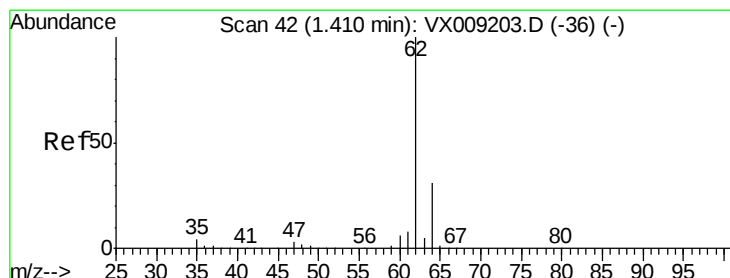
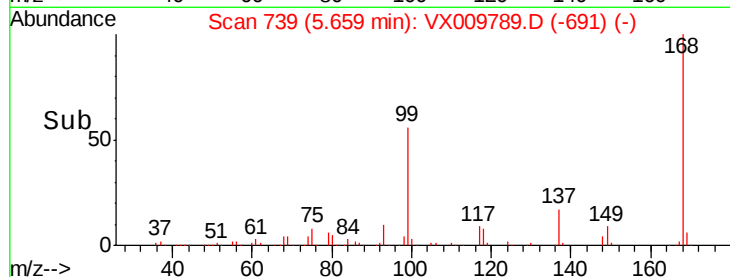
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.315 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009789.D

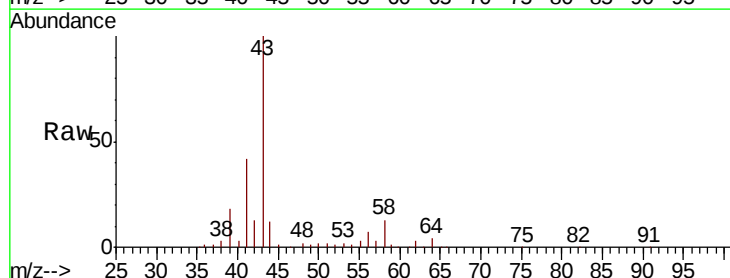
Acq: 22 May 2019 08:30

Tgt Ion: 62 Resp: 673

Ion Ratio Lower Upper

62 100

64 68.4 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

1000

800

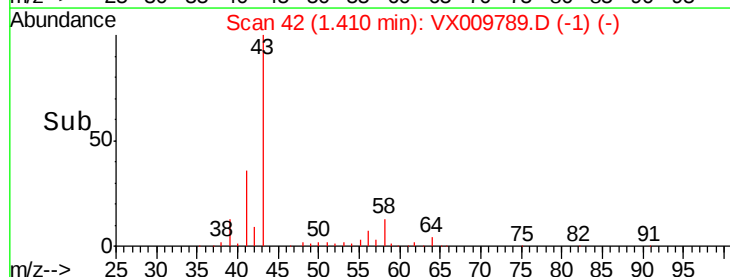
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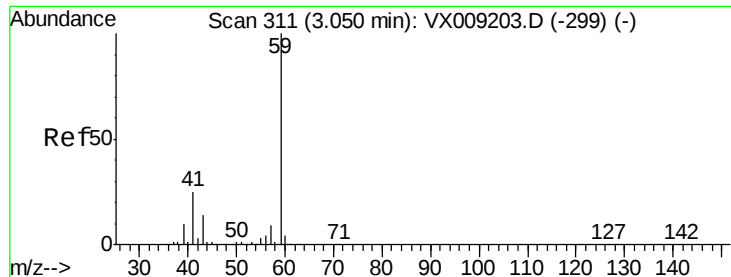
400

200

0

Time--> 1.38 1.40 1.42 1.44

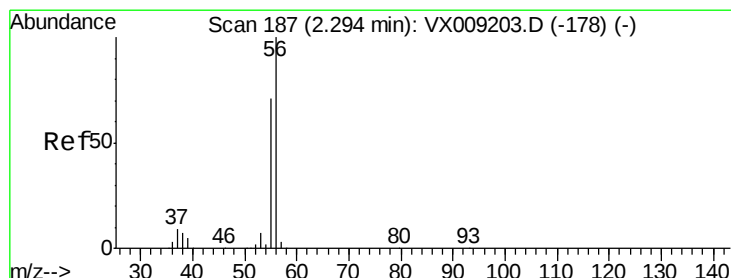
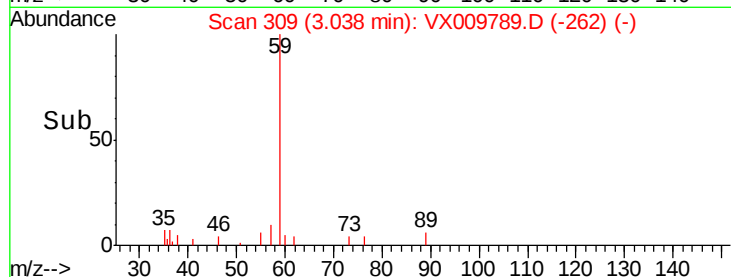
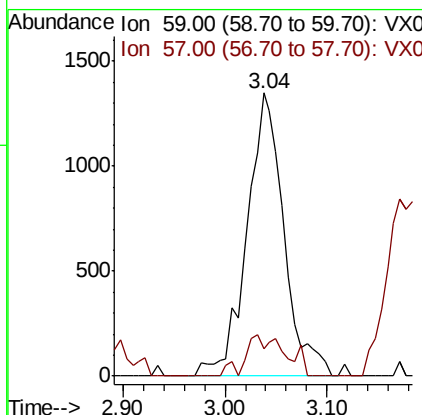
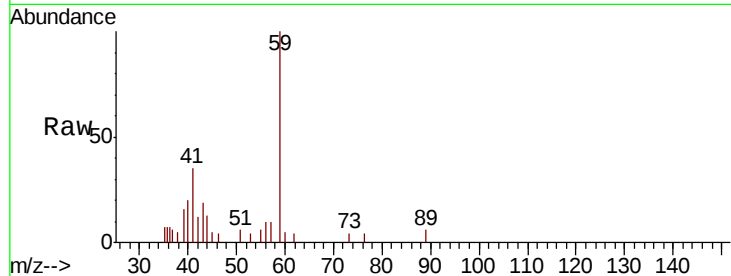




#11
Tert butyl alcohol
Concen: 6.201 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

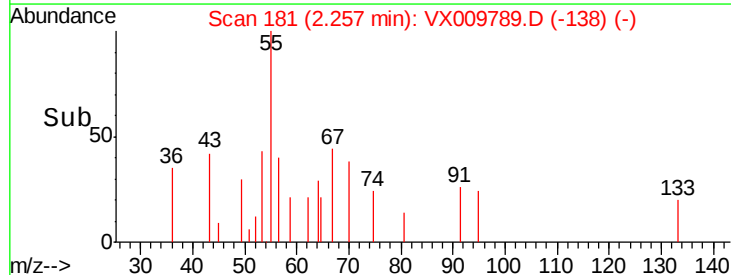
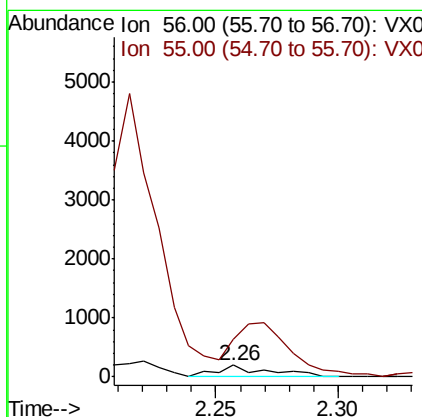
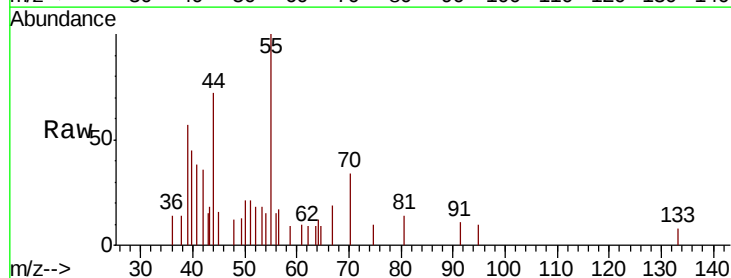
Instrument :
MSVOA_X
ClientSampled :
S73-0224

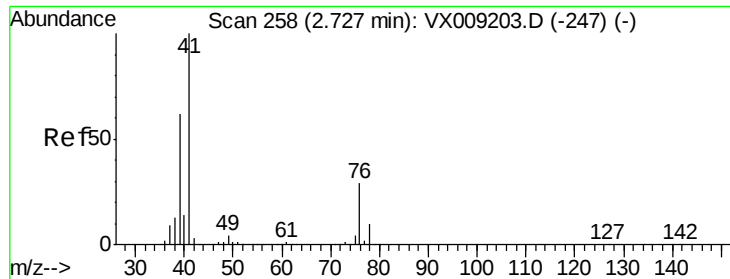
Tot Ion: 59 Resp: 3408
Ion Ratio Lower Upper
59 100
57 15.8 8.2 12.2#



#13
Acrolein
Concen: 0.595 ug/l
RT: 2.26 min Scan# 181
Delta R.T. -0.04 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

Tgt Ion: 56 Resp: 296
Ion Ratio Lower Upper
56 100
55 502.7 56.6 85.0#

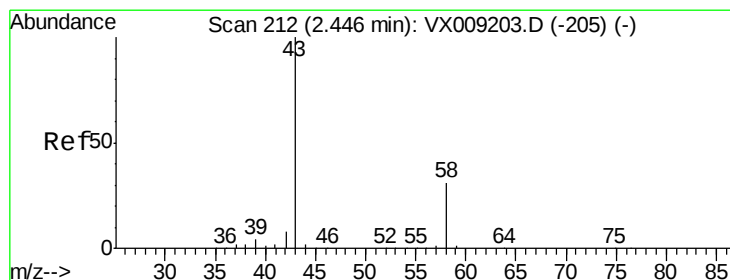
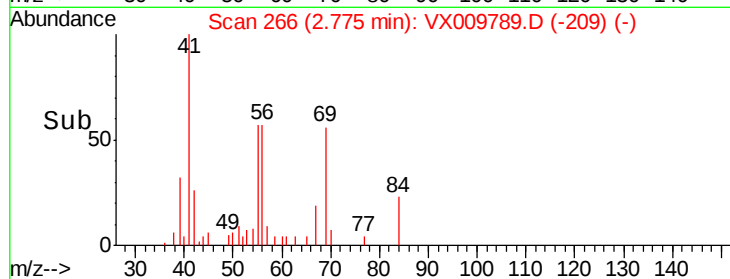
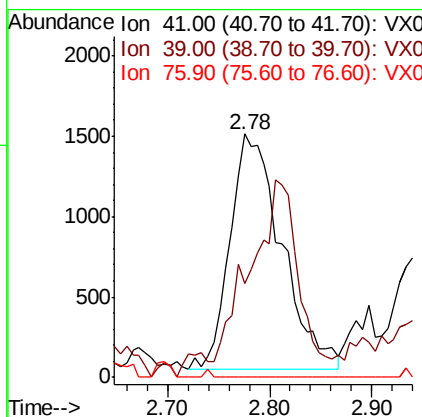
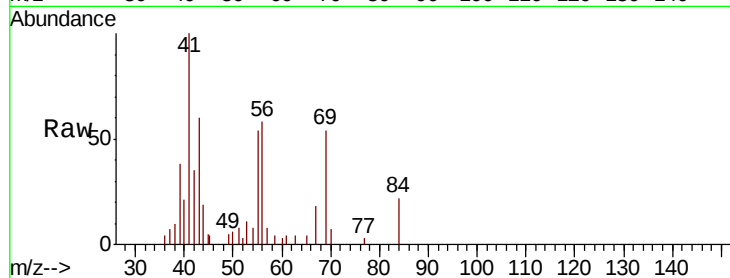




#14
Allvl chloride
Concen: 1.286 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.05 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

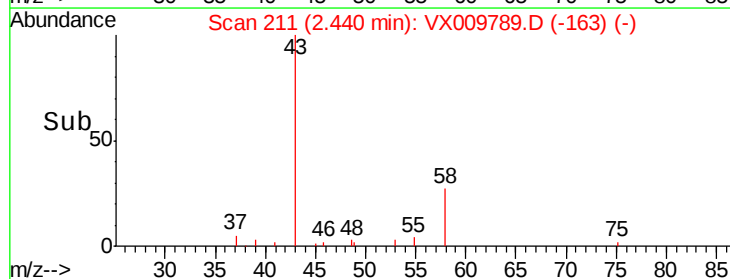
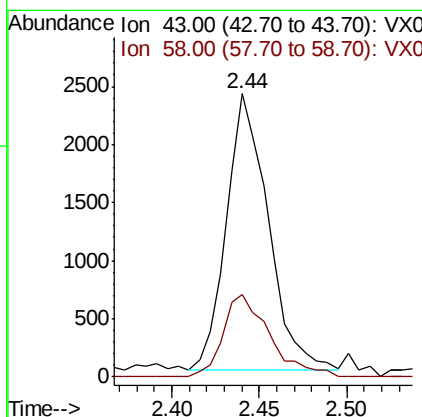
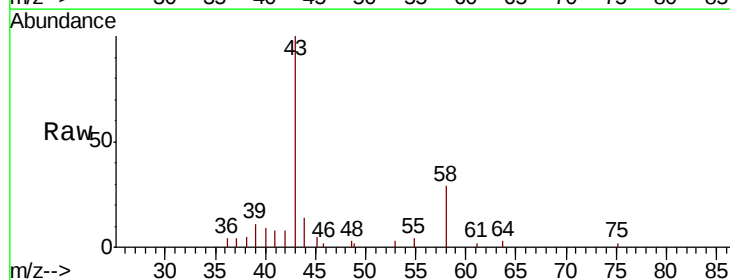
Instrument :
MSVOA_X
ClientSampled :
S73-0224

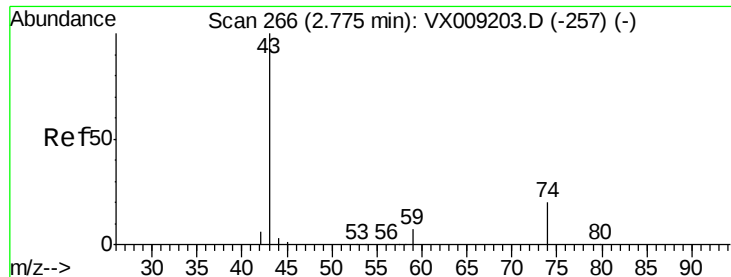
Tot Ion: 41 Resp: 5113
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
76 0.0 21.8 32.8#



#16
Acetone
Concen: 3.100 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

Tgt Ion: 43 Resp: 3952
Ion Ratio Lower Upper
43 100
58 29.8 24.9 37.3

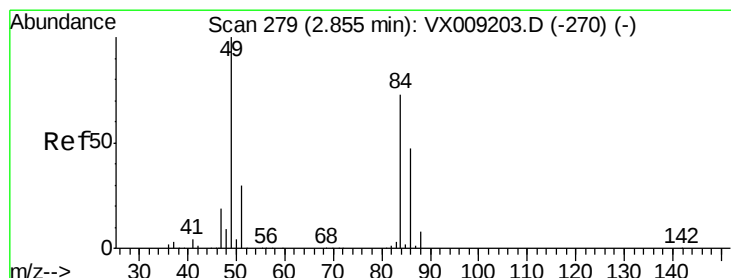
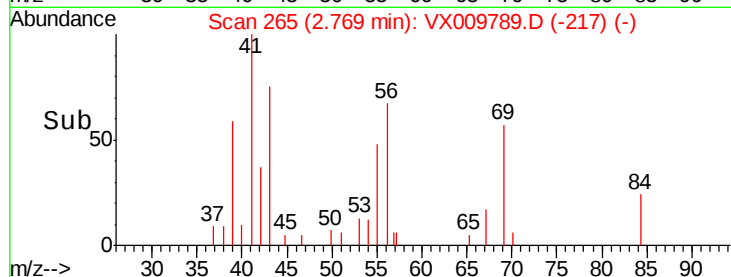
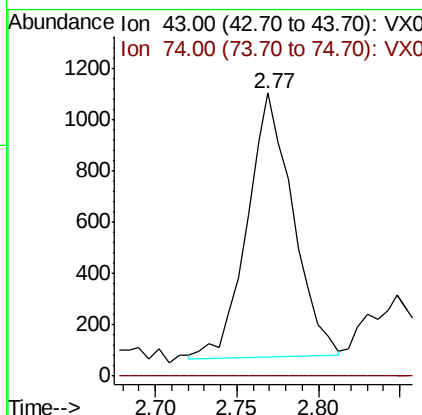
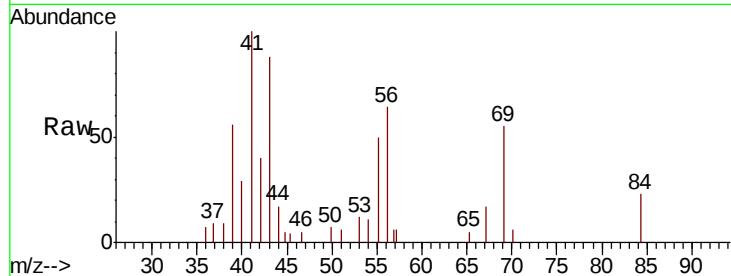




#18
Methyl Acetate
Concen: 0.658 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

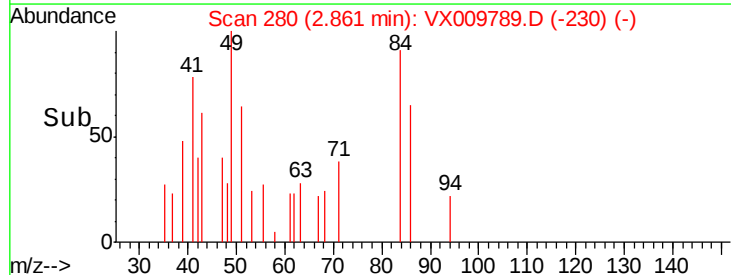
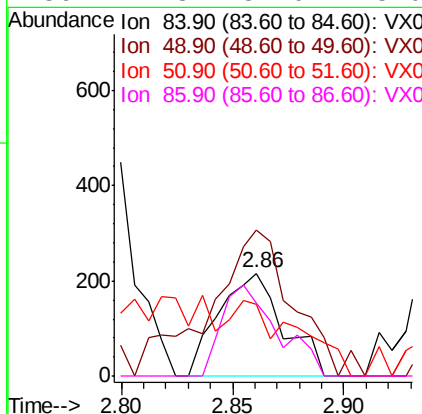
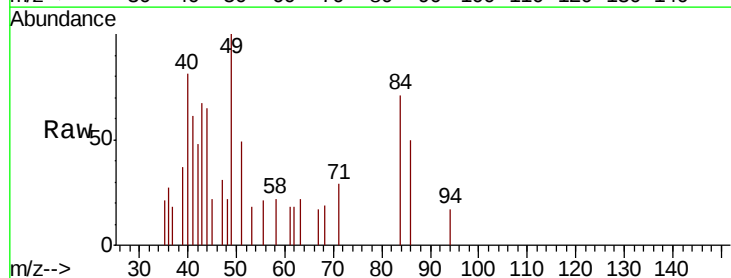
Instrument :
MSVOA_X
ClientSampled :
S73-0224

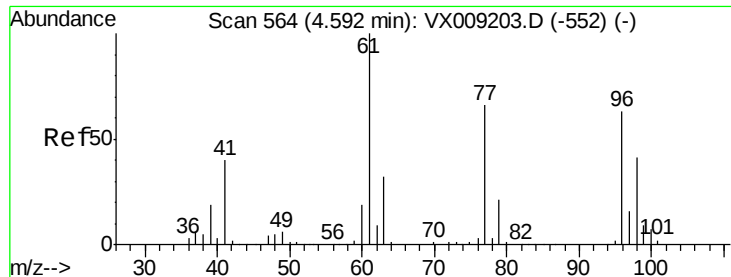
Tot Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
74 0.0 16.2 24.4#



#20
Methylene Chloride
Concen: 0.212 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

Tgt Ion: 84 Resp: 438
Ion Ratio Lower Upper
84 100
49 141.7 109.9 164.9
51 44.0 32.7 49.1
86 71.3 52.0 78.0



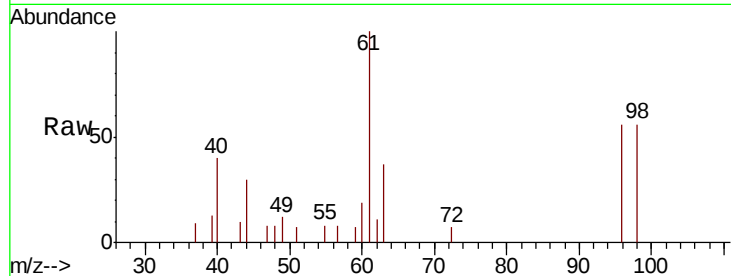


#27

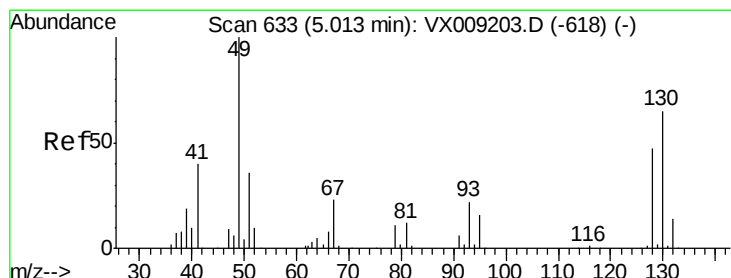
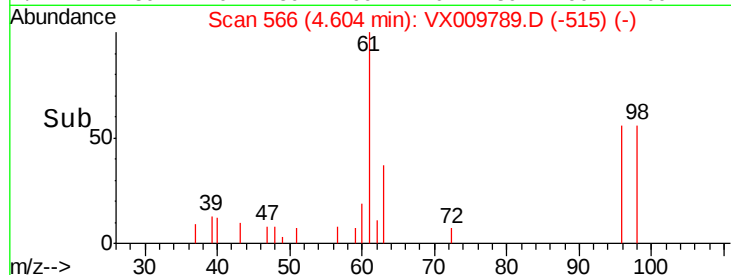
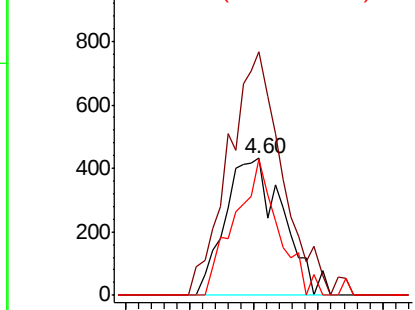
cis-1,2-Dichloroethene
 Concen: 0.640 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX009789.D
 Acq: 22 May 2019 08:30

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0224

Tot Ion: 96 Resp: 1353
 Ion Ratio Lower Upper
 96 100
 61 163.5 0.0 324.0
 98 74.6 0.0 130.4



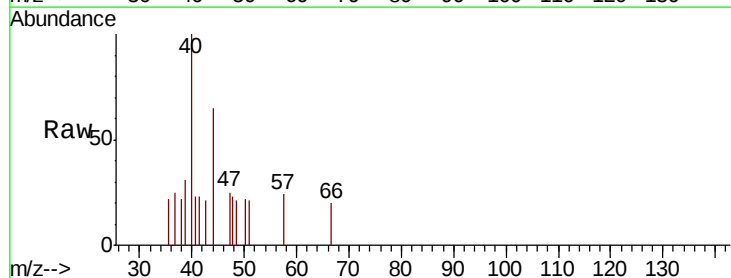
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



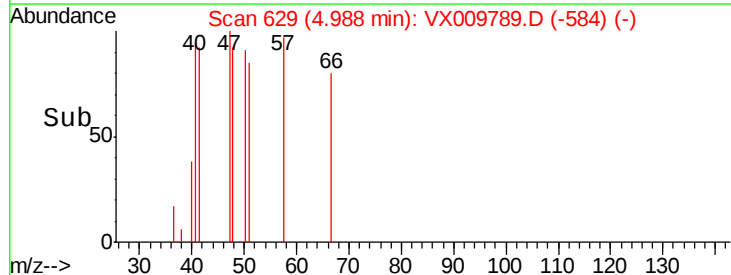
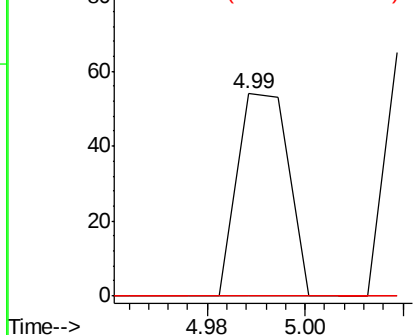
#28

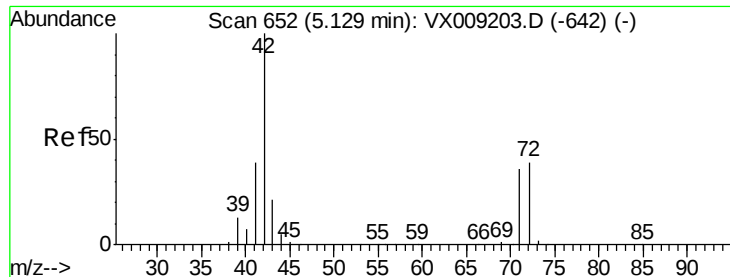
Bromochloromethane
 Concen: Below Cal
 RT: 4.99 min Scan# 629
 Delta R.T. -0.02 min
 Lab File: VX009789.D
 Acq: 22 May 2019 08:30

Tgt Ion: 49 Resp: 39
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

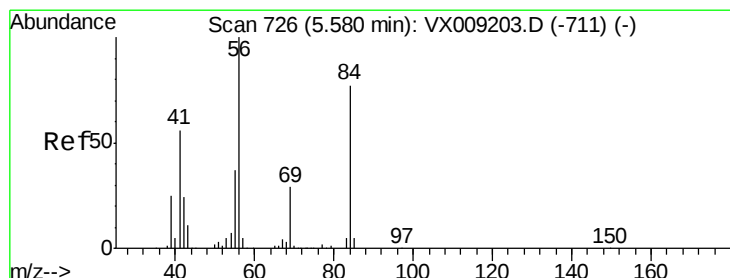
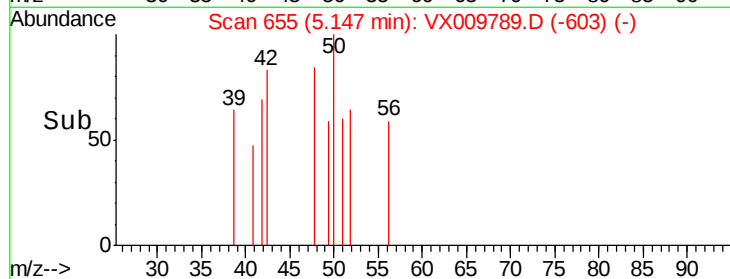
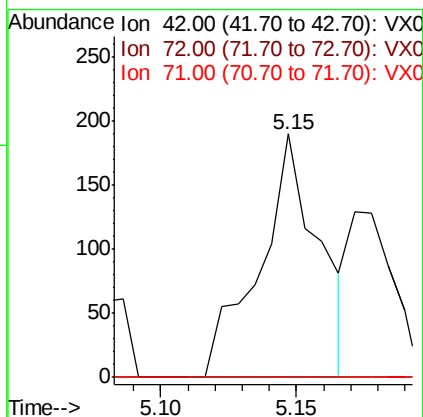
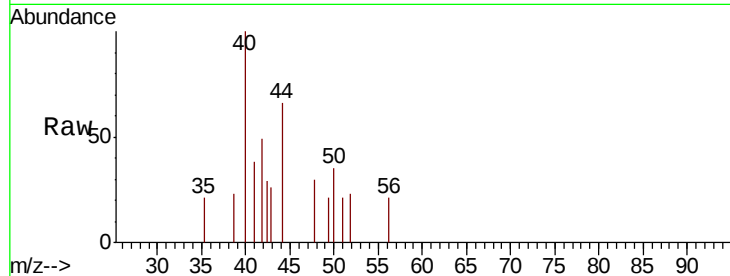




#29
Tetrahydrofuran
Concen: 0.224 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

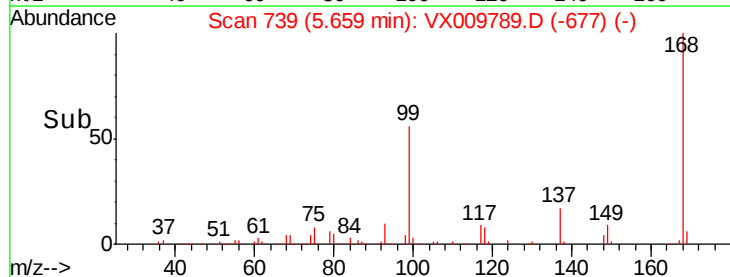
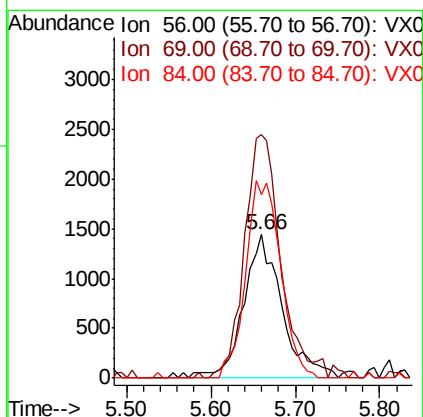
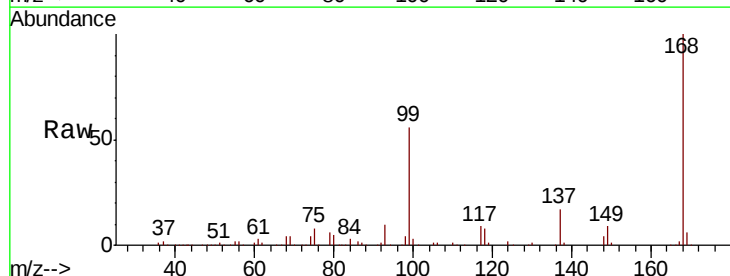
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S73-0224

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.4	45.6#
71	0.0	28.6	43.0#



#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

Tgt Ion	Ratio	Lower	Upper
56	100		
69	169.7	23.4	35.0#
84	127.6	61.9	92.9#

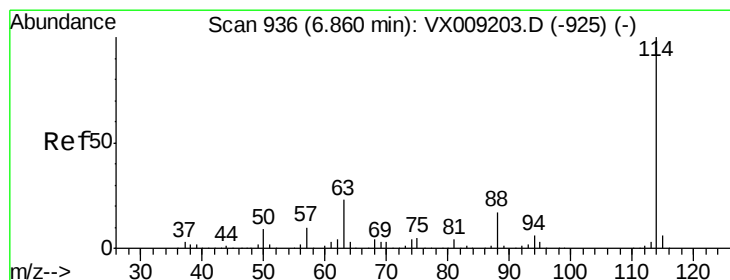
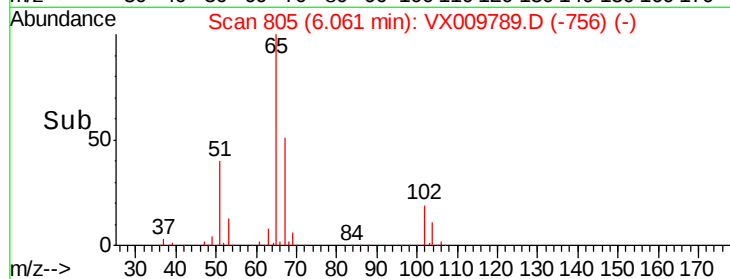
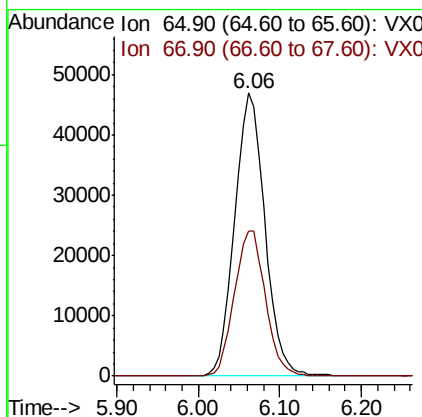
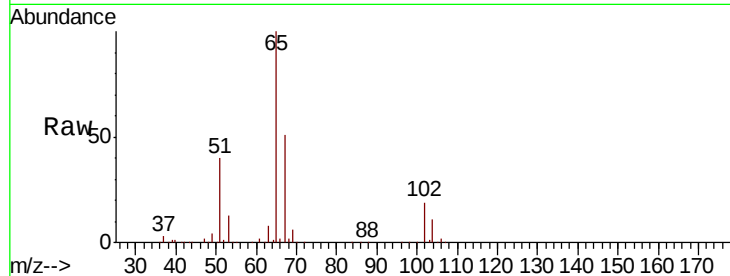




#33
 1,2-Dichloroethane-d4
 Concen: 50.741 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009789.D
 Acq: 22 May 2019 08:30

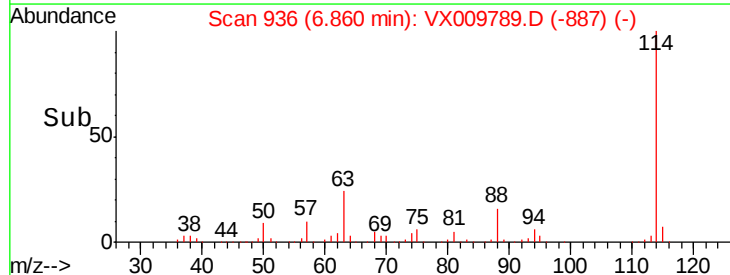
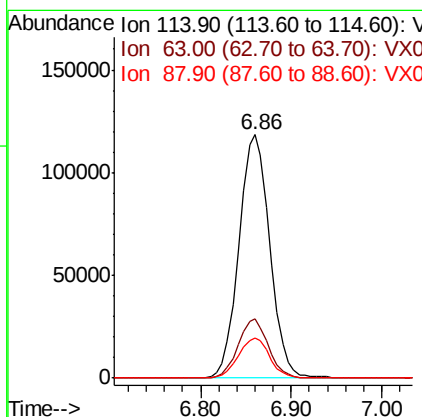
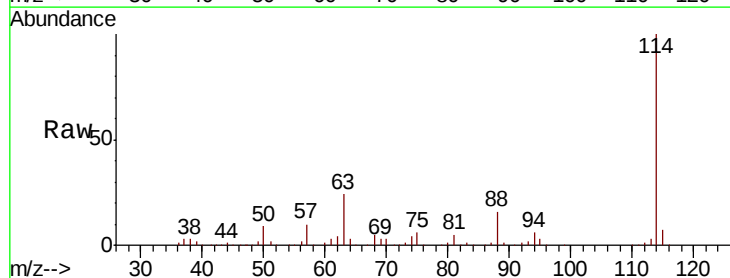
Instrument :
 MSVOA_X
 ClientSampled :
 S73-0224

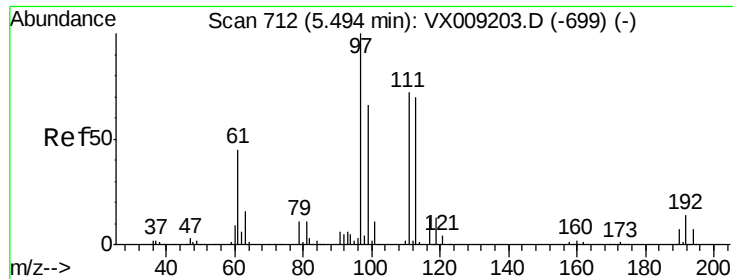
Tot Ion: 65 Resp: 120473
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009789.D
 Acq: 22 May 2019 08:30

Tgt Ion: 114 Resp: 279026
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 45.6
 88 16.4 0.0 33.2

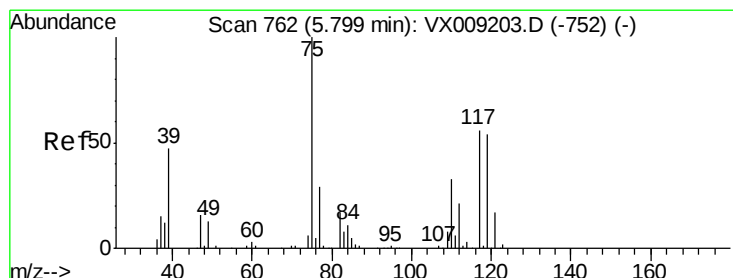
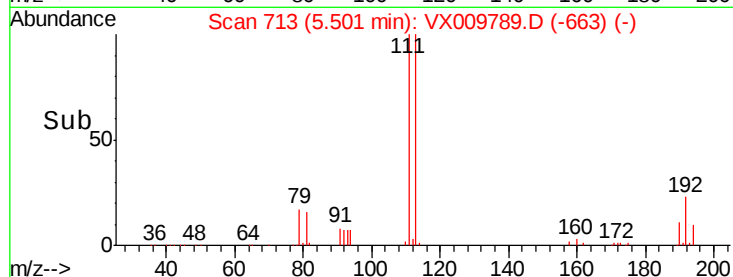
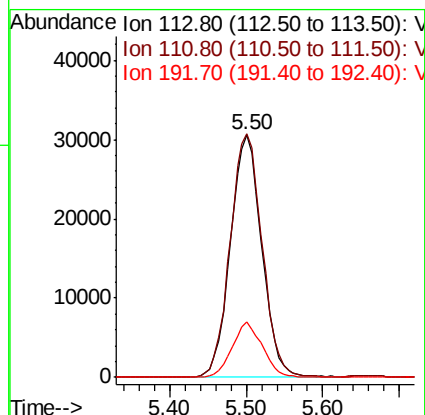
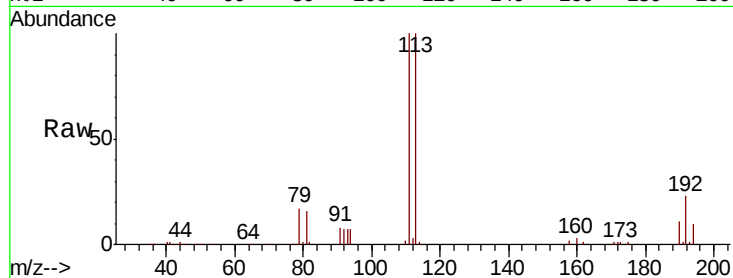




#35
 Dibromofluoromethane
 Concen: 49.255 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009789.D
 Acq: 22 May 2019 08:30

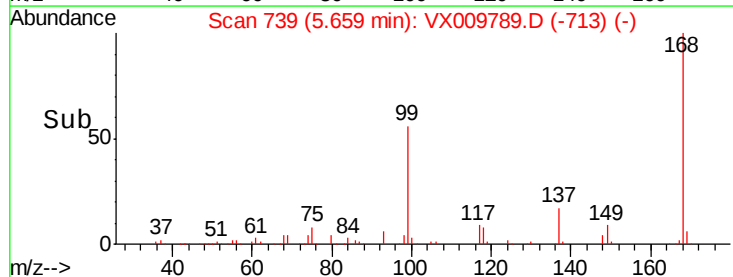
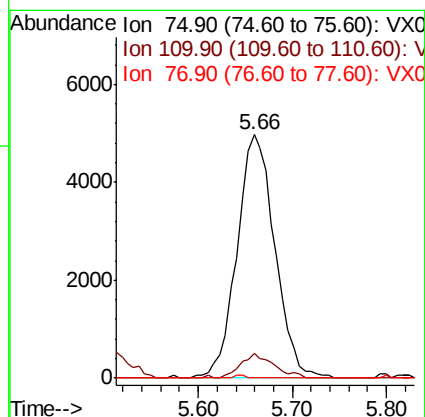
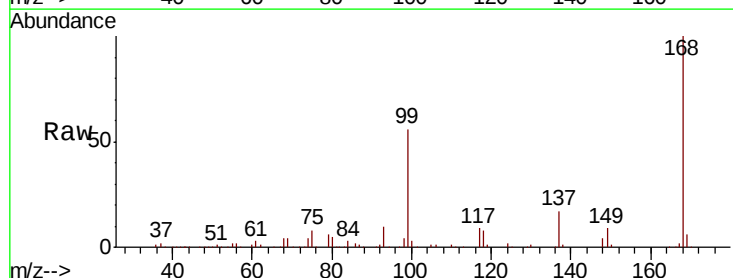
Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0224

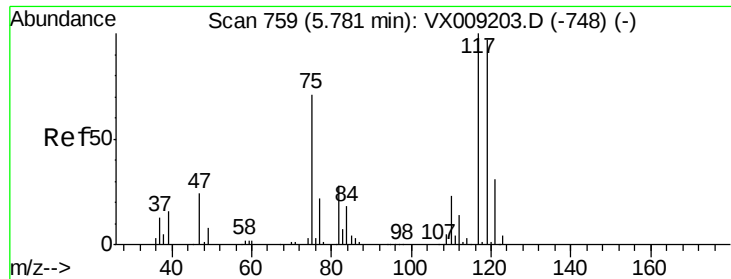
Tot Ion:113 Resp: 86397
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 22.1 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.378 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009789.D
 Acq: 22 May 2019 08:30

Tgt Ion: 75 Resp: 13944
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.3 24.8 37.2#

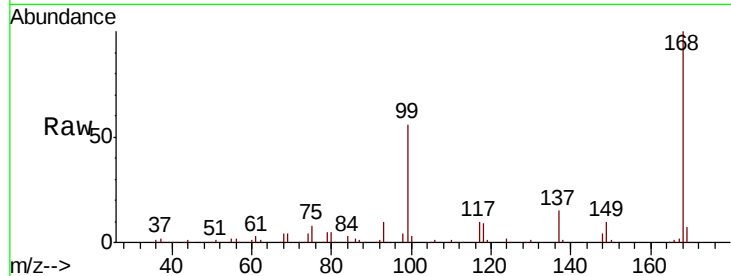




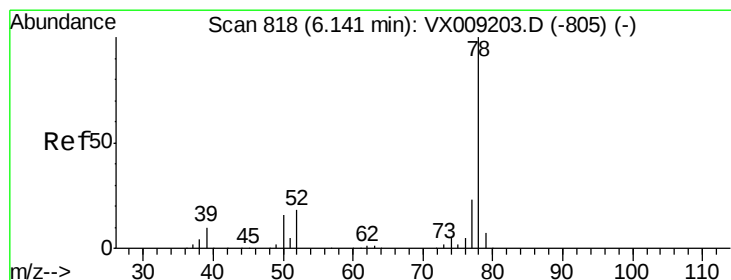
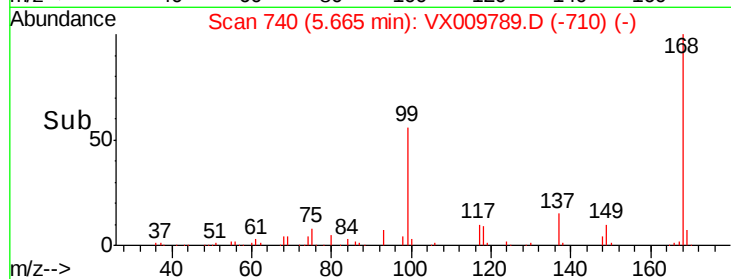
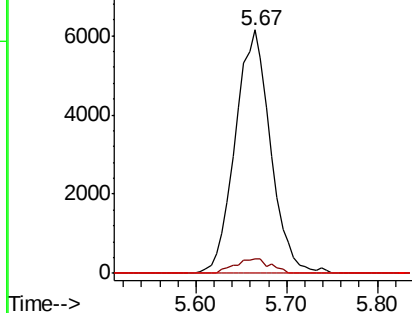
#38
Carbon Tetrachloride
Concen: 7.044 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

Instrument :
MSVOA_X
ClientSampleId :
S73-0224

Tot Ion:117 Resp: 16595
Ion Ratio Lower Upper
117 100
119 6.2 77.5 116.3#
121 0.0 24.7 37.1#

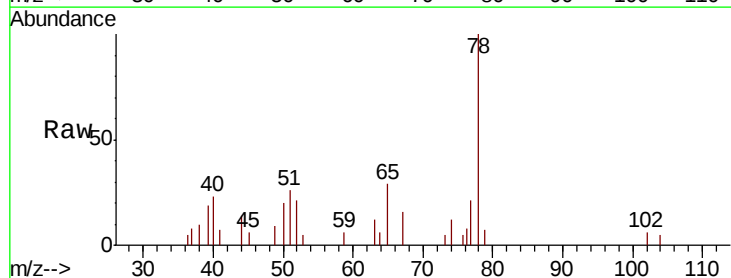


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

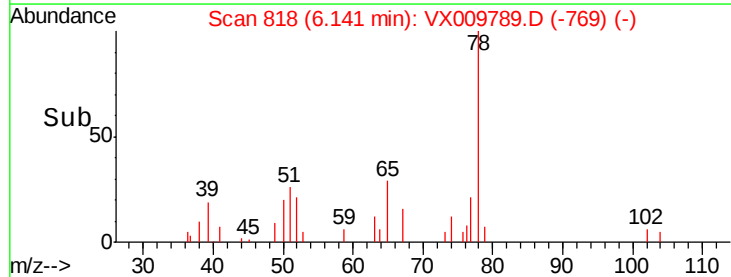
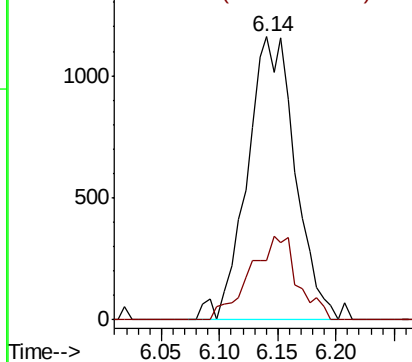


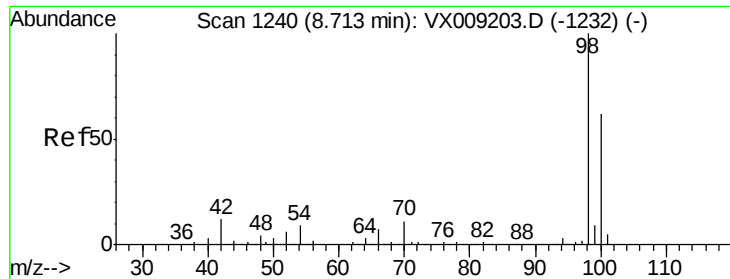
#40
Benzene
Concen: 0.415 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009789.D
Acq: 22 May 2019 08:30

Tgt Ion: 78 Resp: 3331
Ion Ratio Lower Upper
78 100
77 20.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 50.138 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009789.D

Acq: 22 May 2019 08:30

Instrument :

MSVOA_X

ClientSampled :

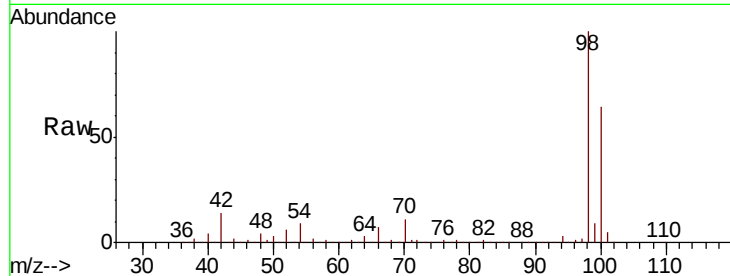
S73-0224

Tot Ion: 98 Resp: 355060

Ion Ratio Lower Upper

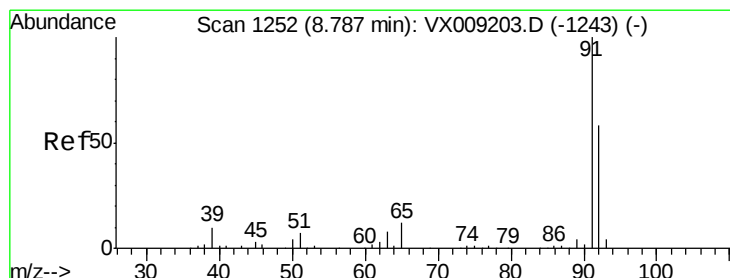
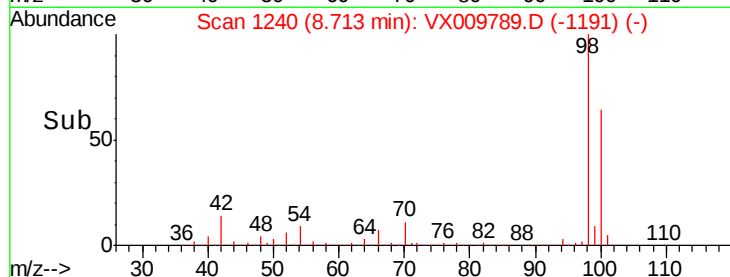
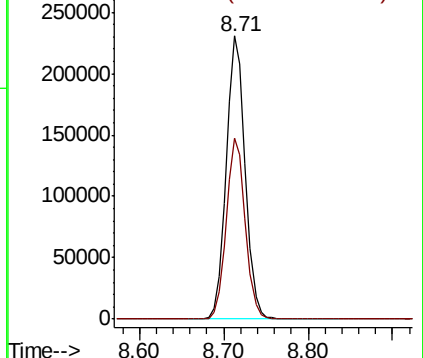
98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 0.205 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009789.D

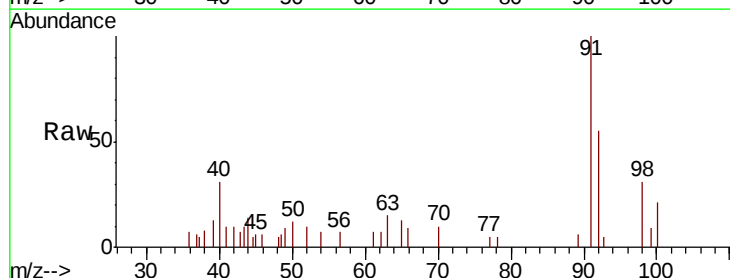
Acq: 22 May 2019 08:30

Tgt Ion: 92 Resp: 1001

Ion Ratio Lower Upper

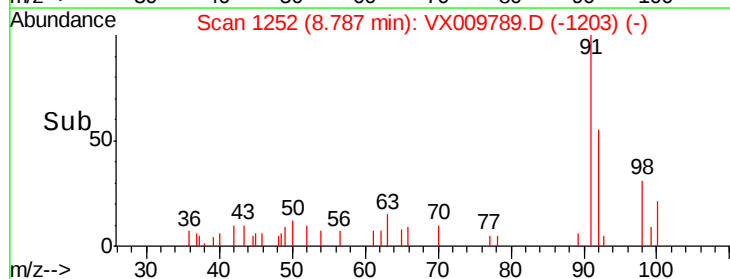
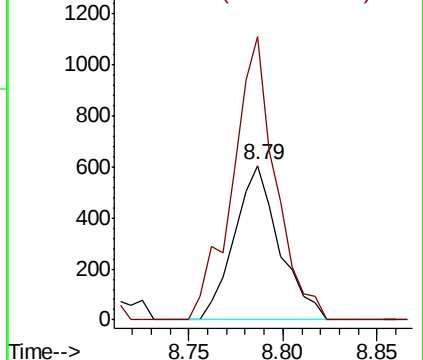
92 100

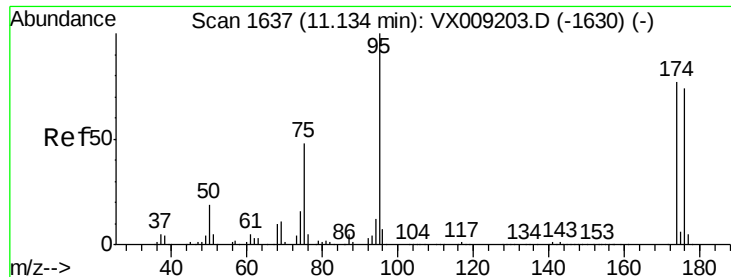
91 176.0 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.996 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009789.D

Acq: 22 May 2019 08:30

Instrument :

MSVOA_X

ClientSampleId :

S73-0224

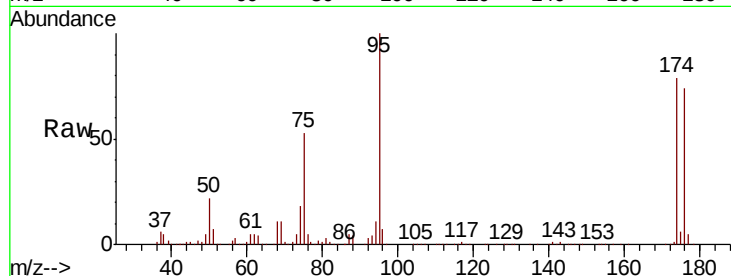
Tot Ion: 95 Resp: 118357

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

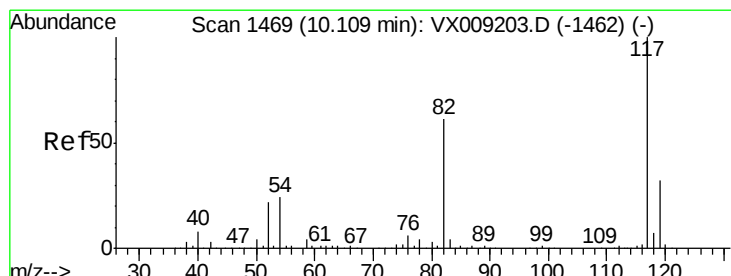
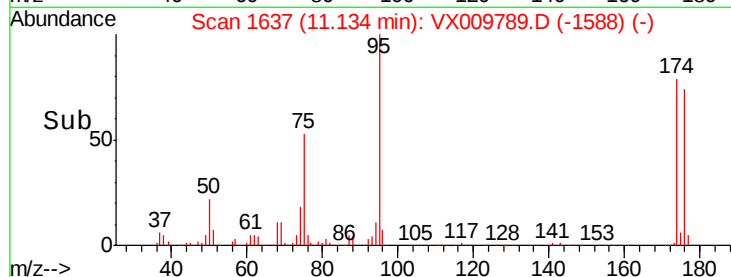
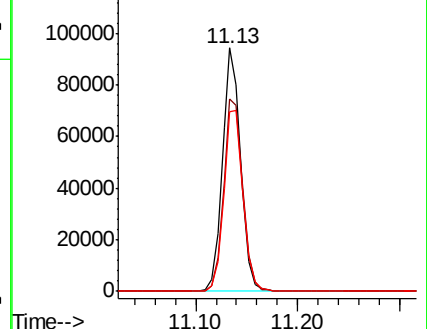
176 77.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009789.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009789.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009789.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009789.D

Acq: 22 May 2019 08:30

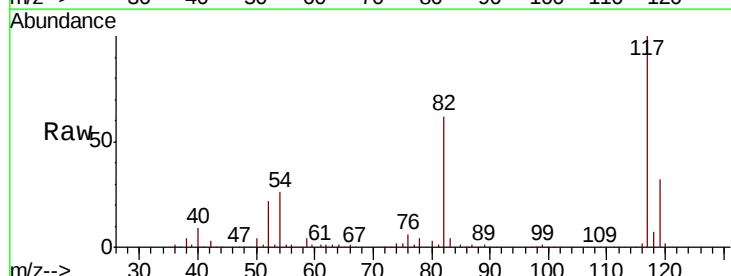
Tgt Ion: 117 Resp: 249204

Ion Ratio Lower Upper

117 100

82 62.0 48.8 73.2

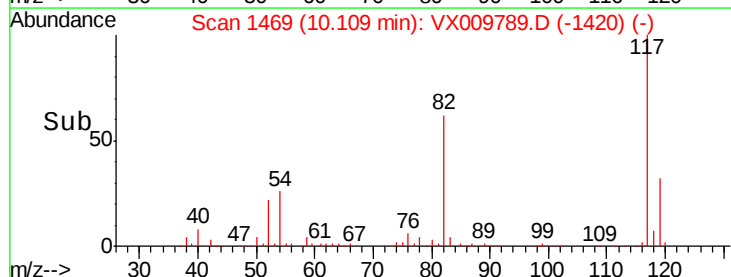
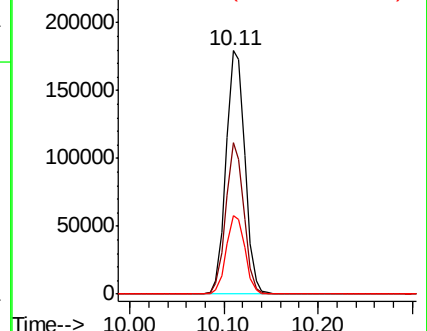
119 32.5 25.8 38.6

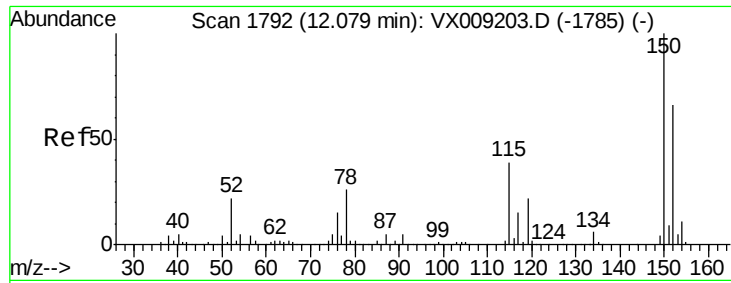


Abundance Ion 116.90 (116.60 to 117.60): VX009789.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009789.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009789.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009789.D

Acq: 22 May 2019 08:30

Instrument :

MSVOA_X

ClientSampleId :

S73-0224

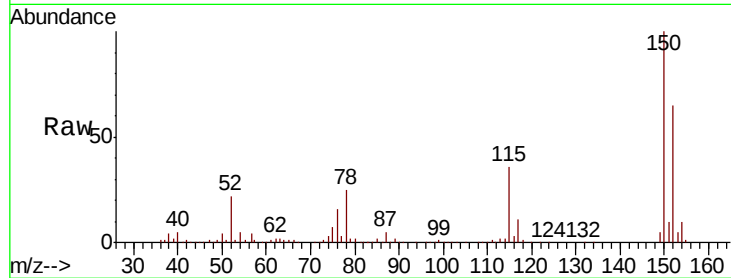
Tot Ion:152 Resp: 105250

Ion Ratio Lower Upper

152 100

115 58.7 41.2 123.6

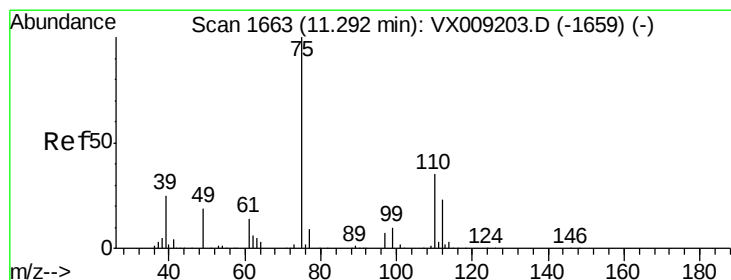
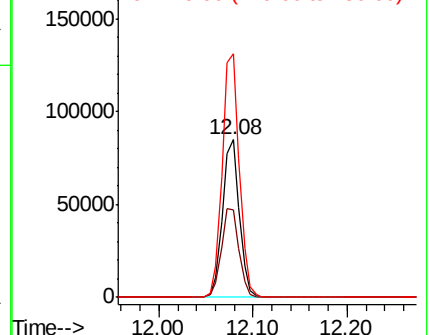
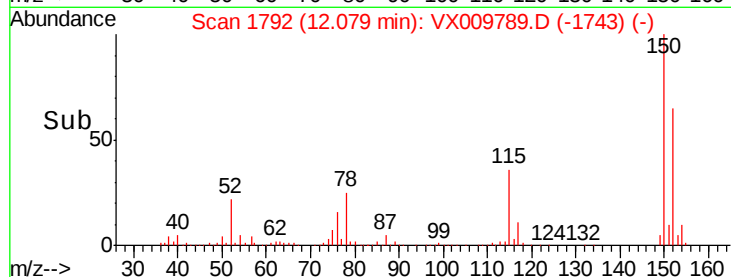
150 156.9 0.0 346.4



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: 24.976 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009789.D

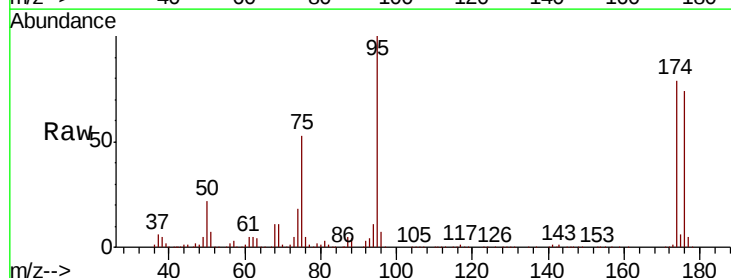
Acq: 22 May 2019 08:30

Tgt Ion: 75 Resp: 60976

Ion Ratio Lower Upper

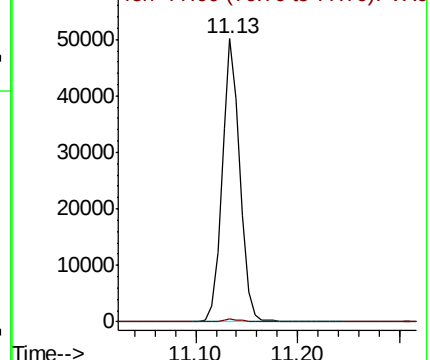
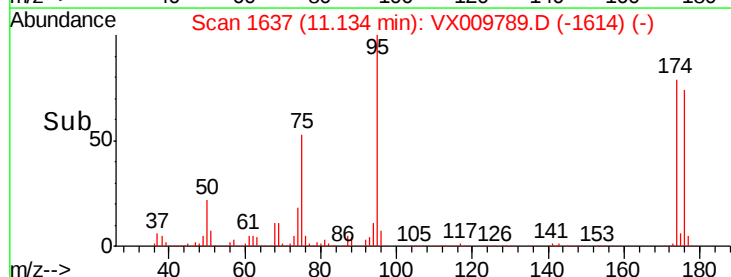
75 100

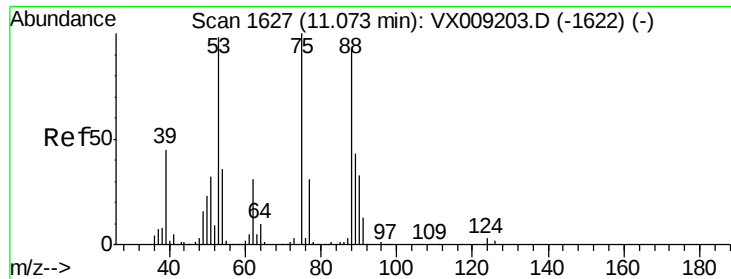
77 1.2 22.1 66.1#



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: 63.904 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009789.D

Acq: 22 May 2019 08:30

Instrument :

MSVOA_X

ClientSampleId :

S73-0224

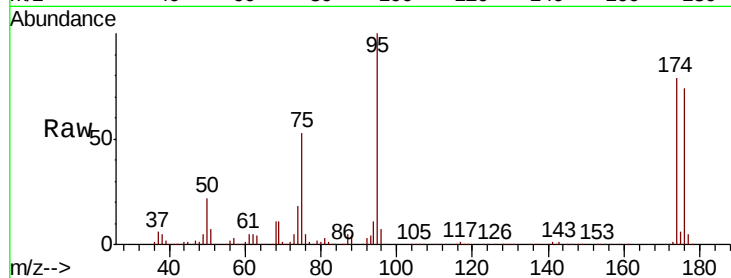
Tot Ion: 75 Resp: 60976

Ion Ratio Lower Upper

75 100

53 0.4 79.0 118.6#

89 0.0 34.7 52.1#



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

