

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015720.D
 Acq On : 16 Apr 2020 18:16
 Operator : JC/SP
 Sample : L2294-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036PZ100-200413

Quant Time: Apr 17 06:52:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1025404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1598353	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1570870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	864050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	631406	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	
35) Dibromofluoromethane	5.47	113	483538	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.70	98	1911905	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.12	95	811225	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	

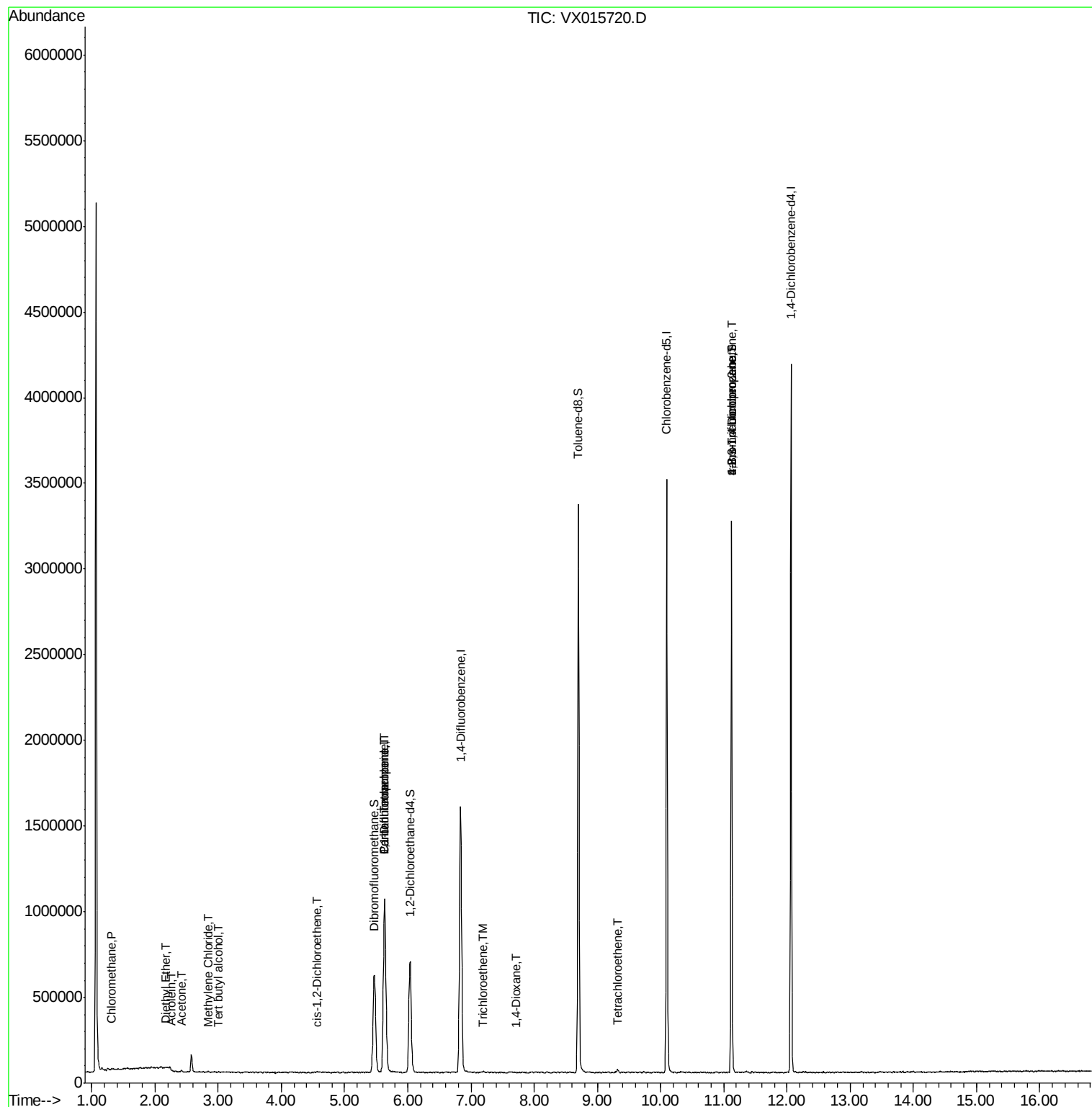
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3090	0.269	ug/l	98
5) Bromomethane	1.62	94	593	Below Cal	#	3
8) Diethyl Ether	2.17	74	1476	0.247	ug/l	89
11) Tert butyl alcohol	3.01	59	2954	0.853	ug/l	96
13) Acrolein	2.26	56	719	0.365	ug/l #	63
16) Acetone	2.42	43	11495	1.850	ug/l	97
20) Methylene Chloride	2.84	84	2842	0.245	ug/l #	87
27) cis-1,2-Dichloroethene	4.57	96	2602	0.209	ug/l	68
36) 1,1-Dichloropropene	5.64	75	68189	4.630	ug/l #	54
38) Carbon Tetrachloride	5.64	117	93224	5.844	ug/l #	15
44) Trichloroethene	7.20	130	4102	0.349	ug/l	67
49) 1,4-Dioxane	7.72	88	361	1.197	ug/l #	1
64) Tetrachloroethene	9.32	164	3732	0.315	ug/l #	81
76) 1,2,3-Trichloropropane	11.12	75	411871	23.180	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	411871	55.619	ug/l #	10

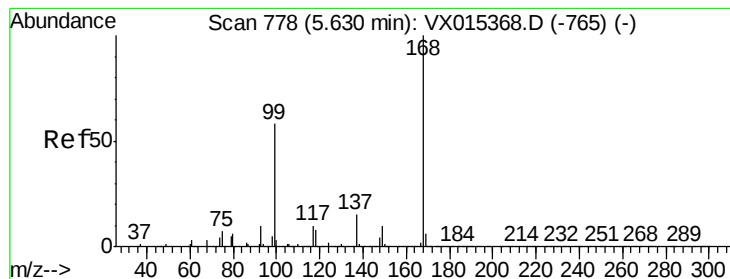
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041620\
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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

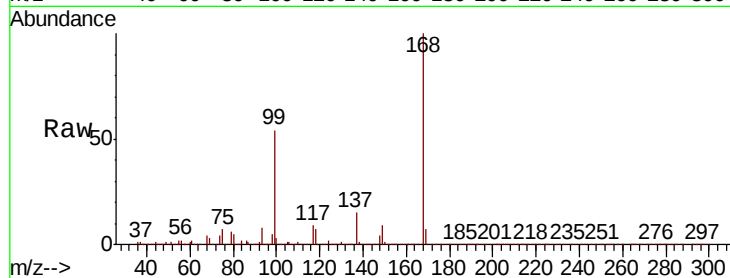
SS036PZ100-200413

Tot Ion:168 Resp: 1025404

Ion Ratio Lower Upper

168 100

99 54.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

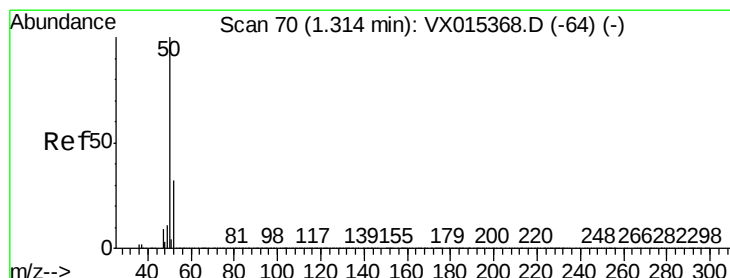
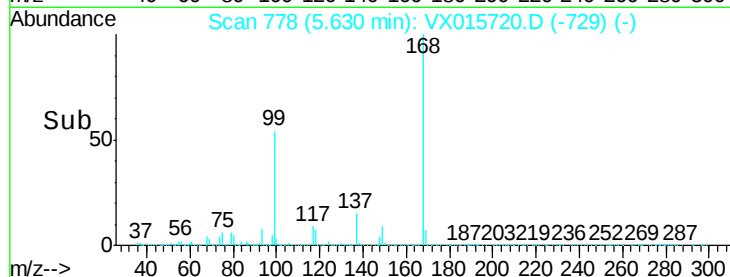
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.269 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015720.D

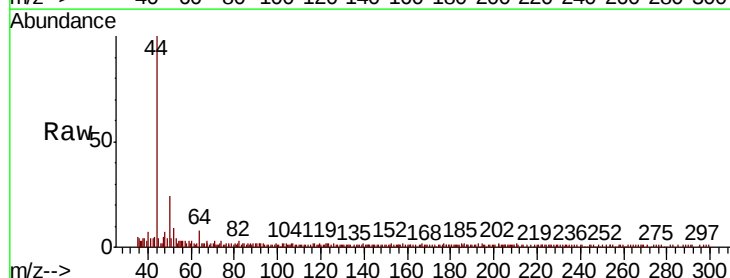
Acq: 16 Apr 2020 18:16

Tgt Ion: 50 Resp: 3090

Ion Ratio Lower Upper

50 100

52 32.4 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

4000

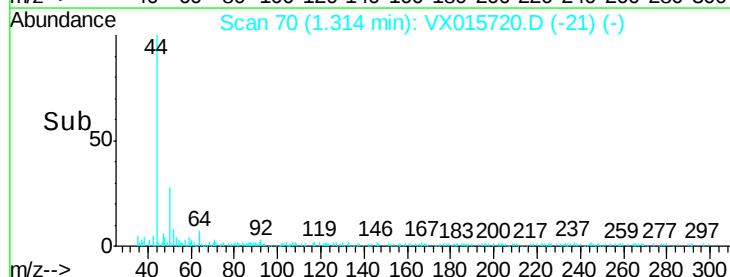
3000

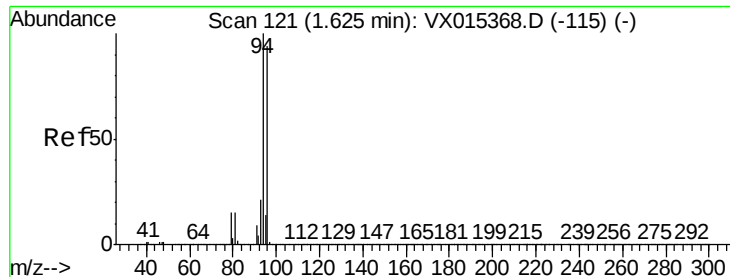
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

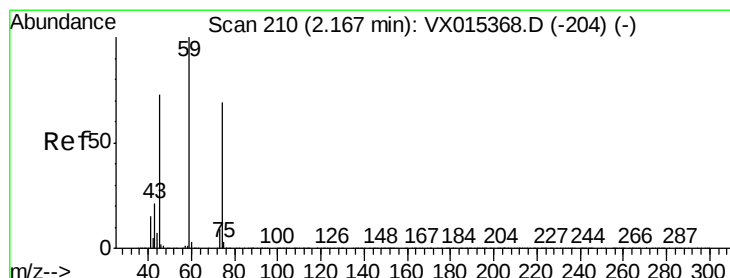
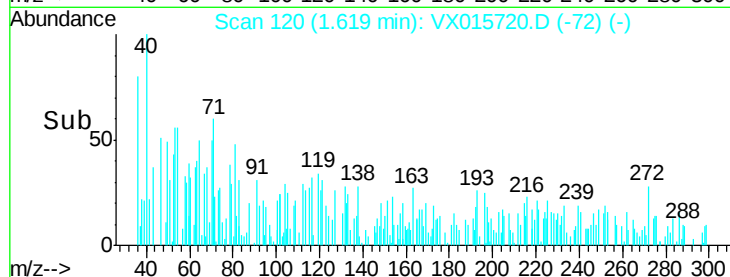
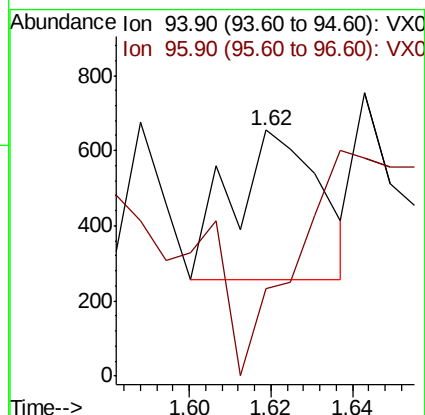
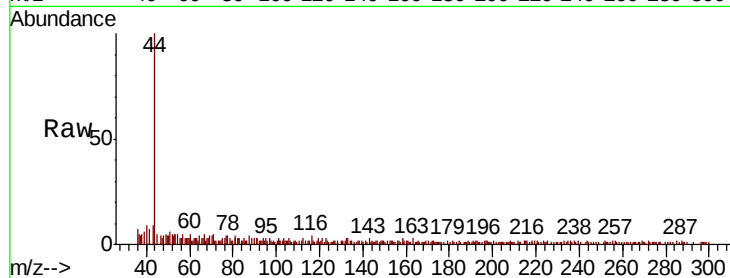
SS036PZ100-200413

Tot Ion: 94 Resp: 593

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#8

Diethyl Ether

Concen: 0.247 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX015720.D

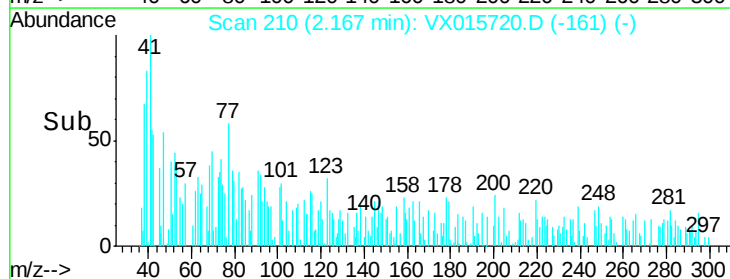
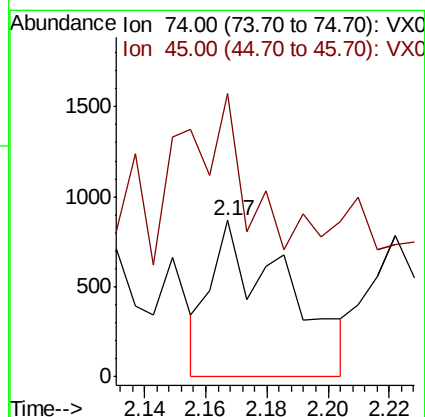
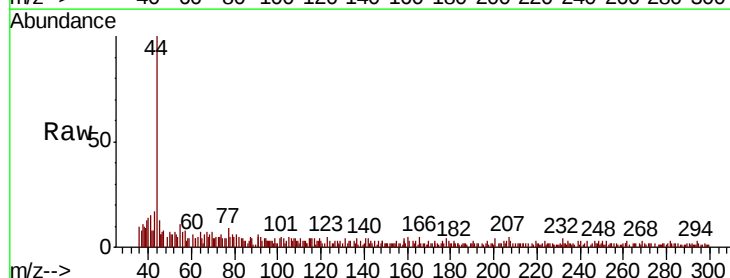
Acq: 16 Apr 2020 18:16

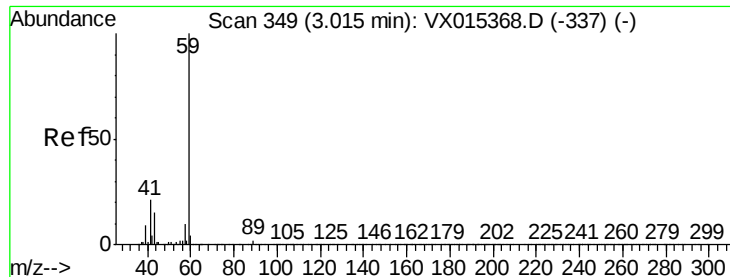
Tgt Ion: 74 Resp: 1476

Ion Ratio Lower Upper

74 100

45 119.3 53.8 161.4



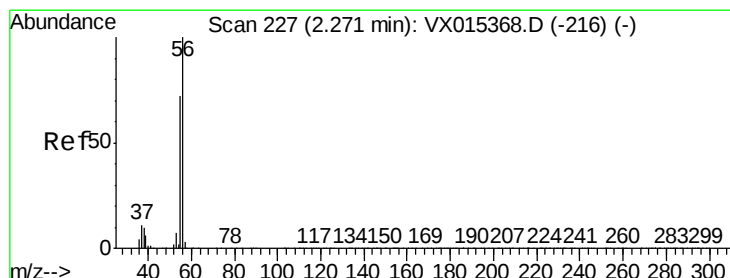
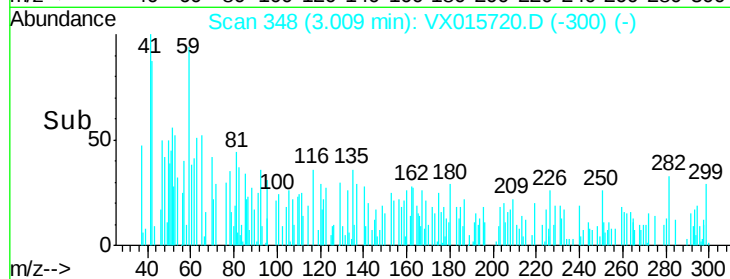
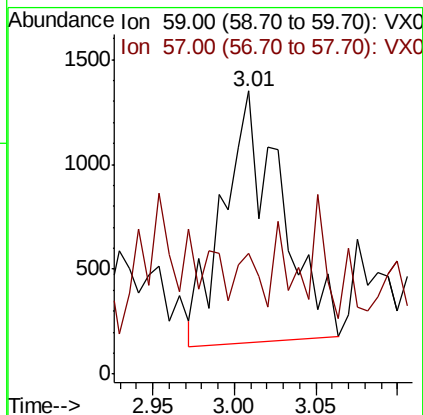
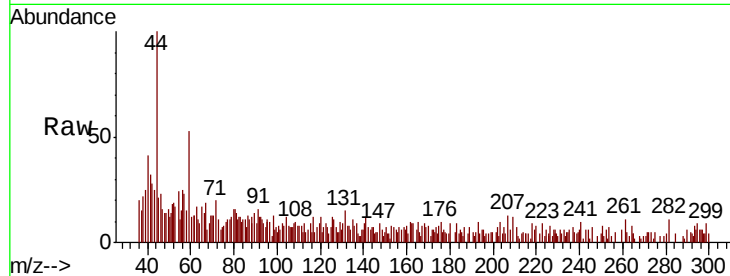


#11

Tert butvl alcohol
Concen: 0.853 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015720.D
Acq: 16 Apr 2020 18:16

Instrument :
MSVOA_X
ClientSampleId :
SS036PZ100-200413

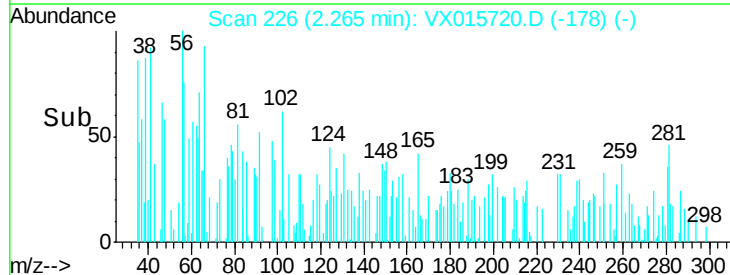
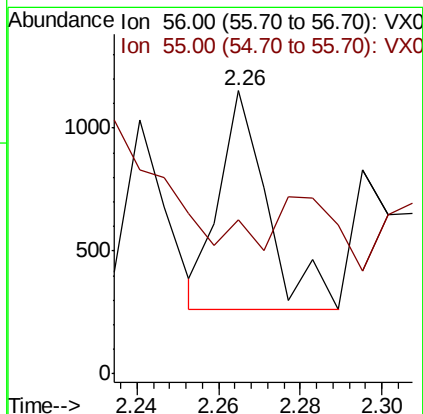
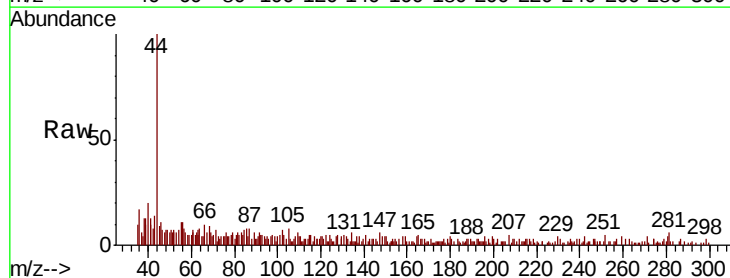
Tot Ion: 59 Resp: 2954
Ion Ratio Lower Upper
59 100
57 8.7 8.1 12.1

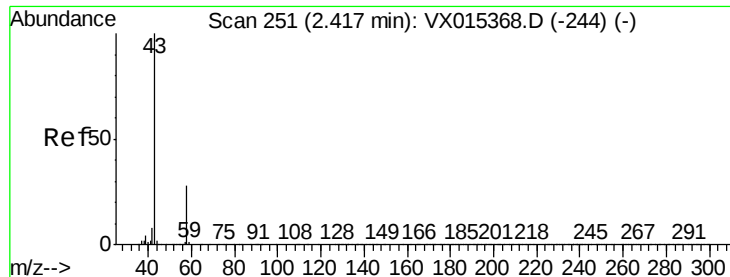


#13

Acrolein
Concen: 0.365 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015720.D
Acq: 16 Apr 2020 18:16

Tgt Ion: 56 Resp: 719
Ion Ratio Lower Upper
56 100
55 40.2 57.0 85.4#

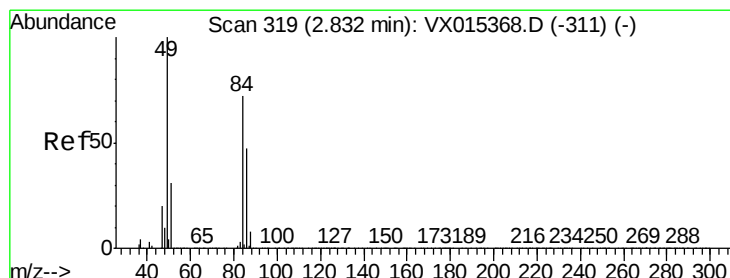
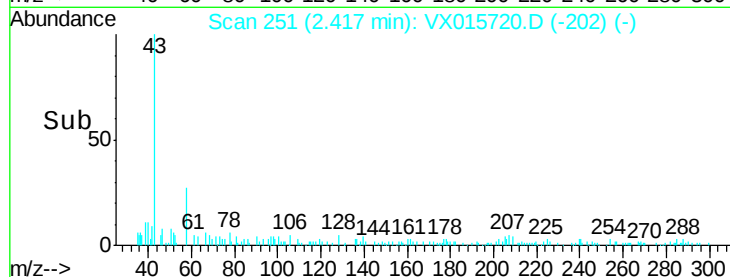
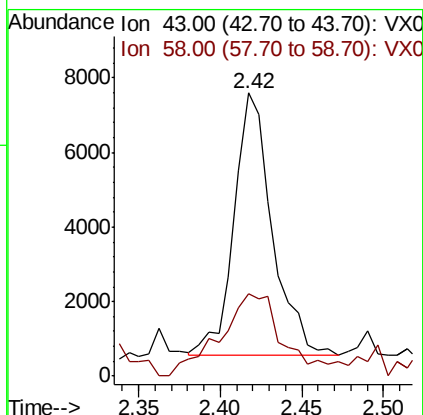
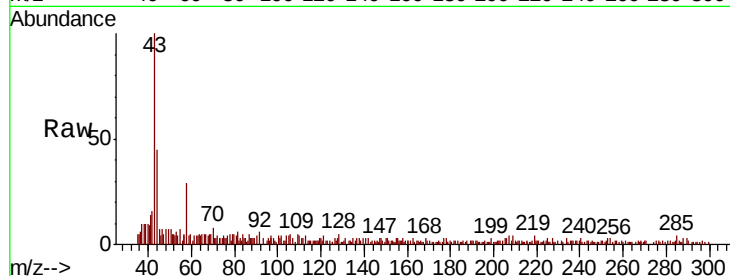




#16
Acetone
Concen: 1.850 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015720.D
Acq: 16 Apr 2020 18:16

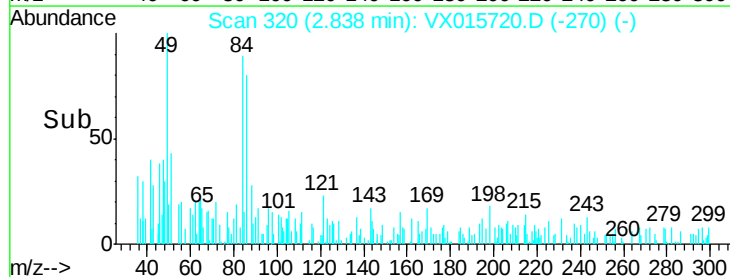
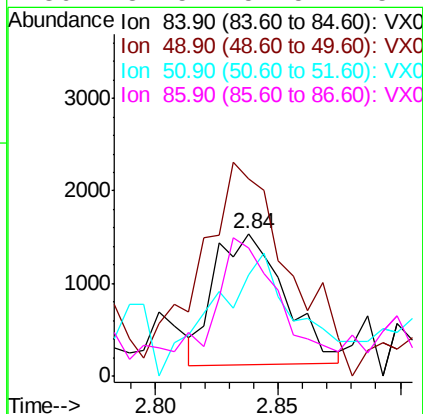
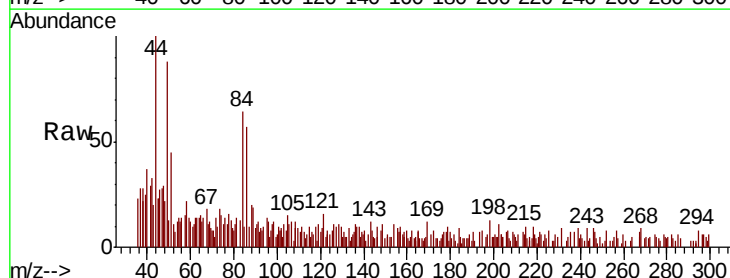
Instrument :
MSVOA_X
ClientSampleId :
SS036PZ100-200413

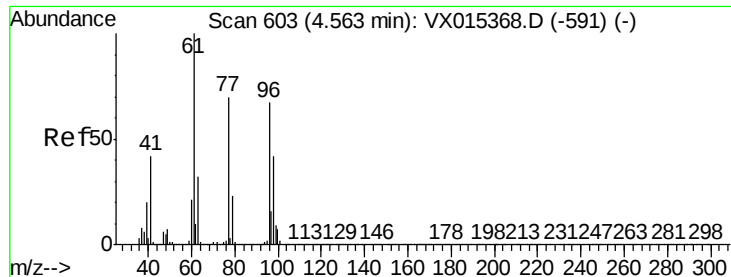
Tot Ion: 43 Resp: 11495
Ion Ratio Lower Upper
43 100
58 25.9 22.1 33.1



#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015720.D
Acq: 16 Apr 2020 18:16

Tgt Ion: 84 Resp: 2842
Ion Ratio Lower Upper
84 100
49 136.2 111.3 166.9
51 57.2 34.0 51.0#
86 87.5 52.5 78.7#



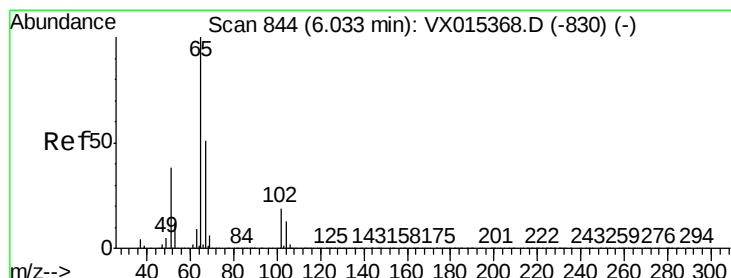
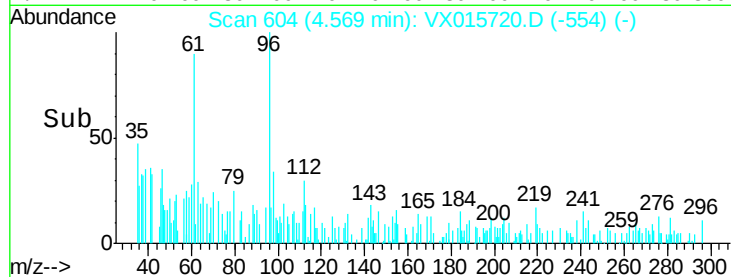
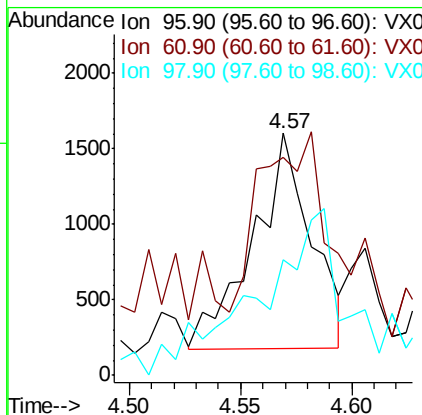
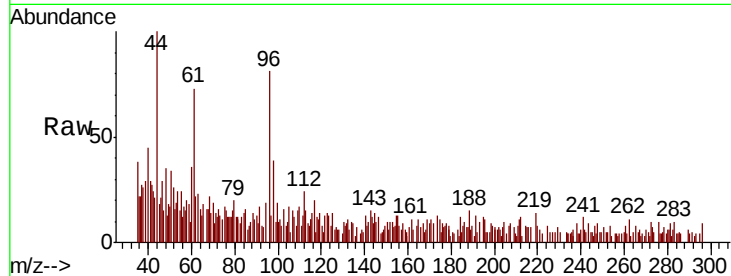


#27

cis-1,2-Dichloroethene
Concen: 0.209 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015720.D
Acq: 16 Apr 2020 18:16

Instrument :
MSVOA_X
ClientSampleId :
SS036PZ100-200413

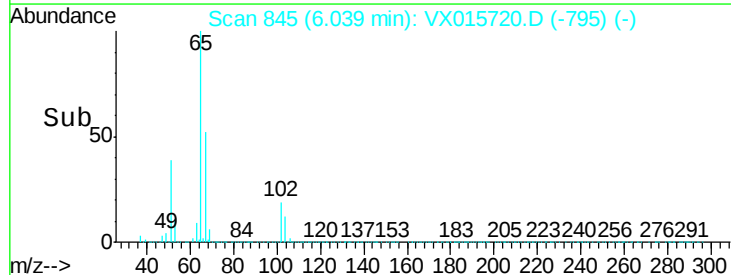
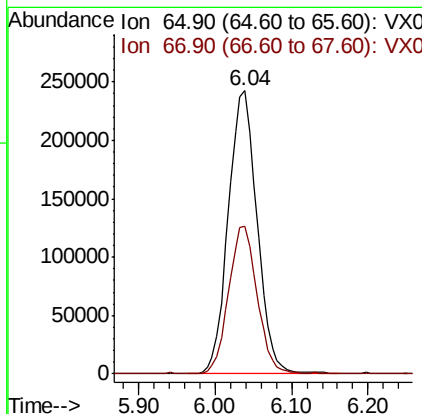
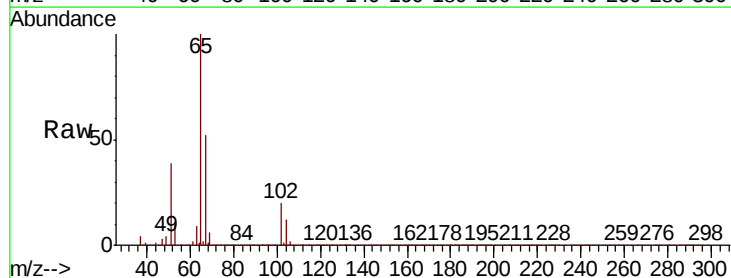
Tot Ion: 96 Resp: 2602
Ion Ratio Lower Upper
96 100
61 129.5 0.0 308.4
98 112.7 0.0 129.2

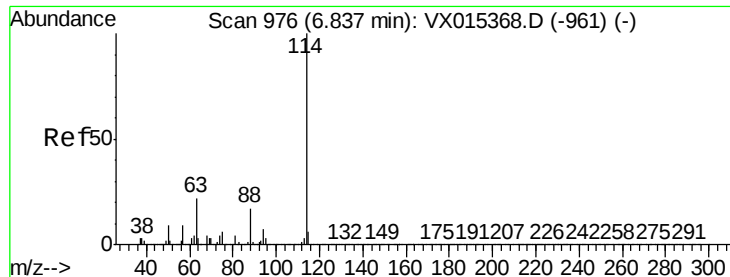


#33

1,2-Dichloroethane-d4
Concen: 43.659 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015720.D
Acq: 16 Apr 2020 18:16

Tgt Ion: 65 Resp: 631406
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

SS036PZ100-200413

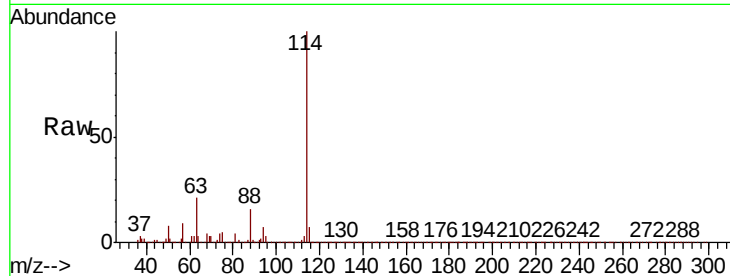
Tot Ion:114 Resp: 1598353

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.2

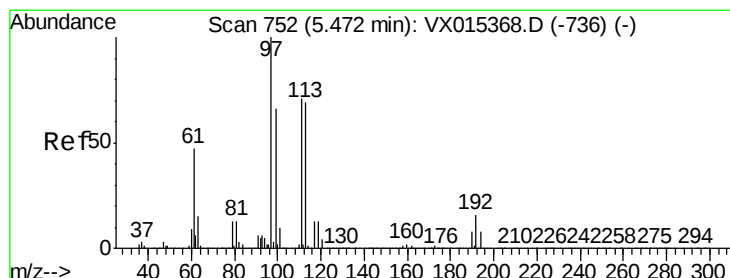
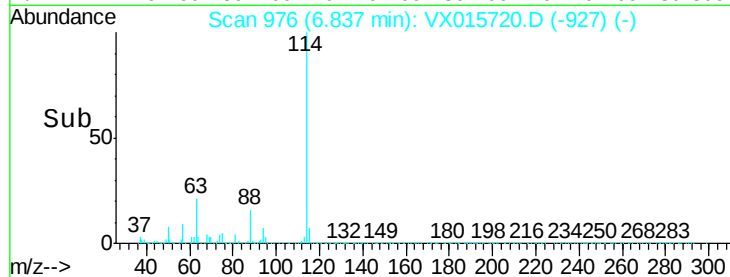
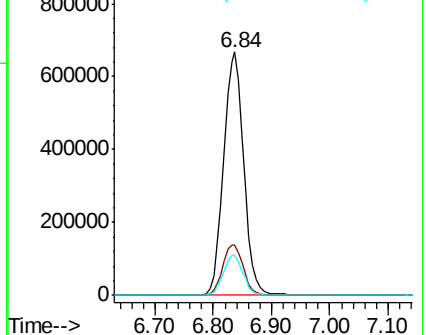
88 16.3 0.0 33.8



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: 47.326 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

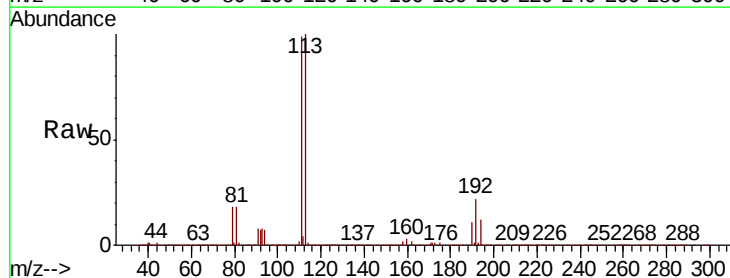
Tgt Ion:113 Resp: 483538

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

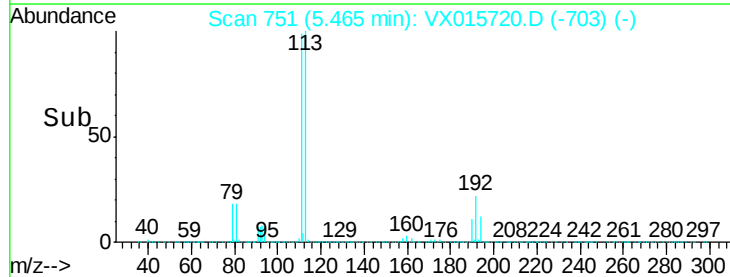
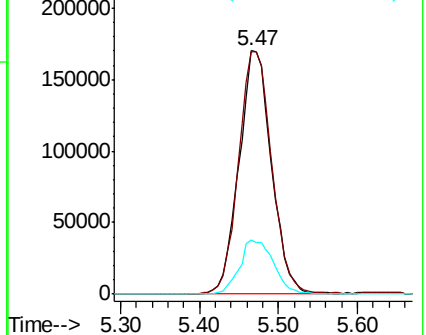
192 23.6 17.8 26.6

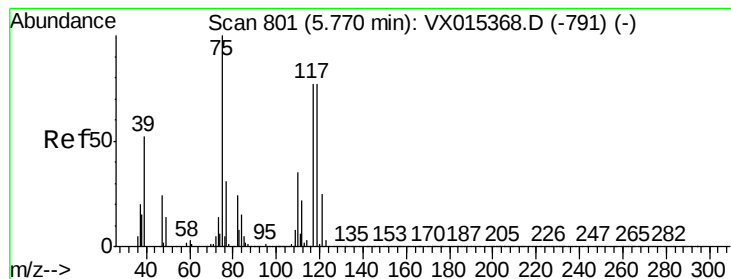


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.630 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

SS036PZ100-200413

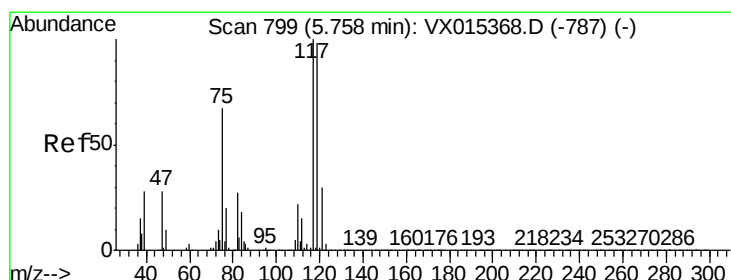
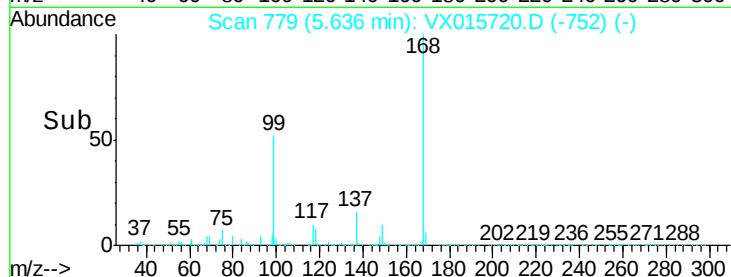
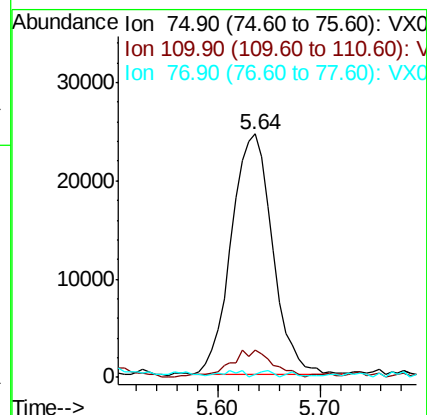
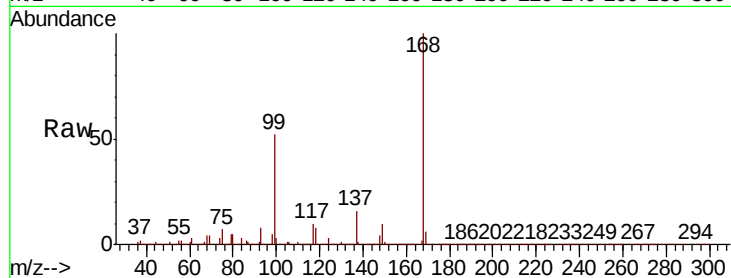
Tot Ion: 75 Resp: 68189

Ion Ratio Lower Upper

75 100

110 12.0 17.1 51.3#

77 1.6 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

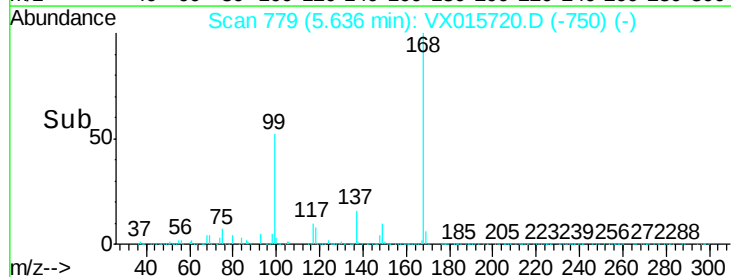
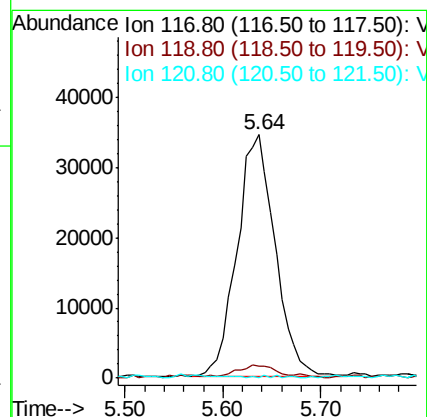
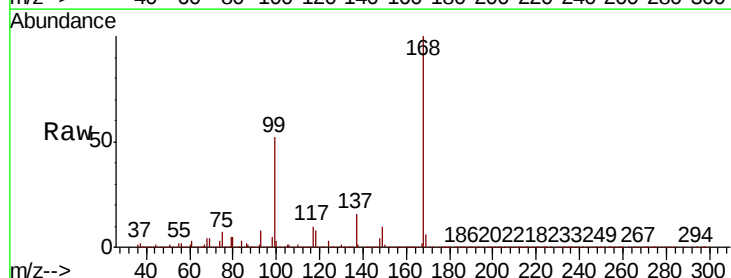
Tgt Ion: 117 Resp: 93224

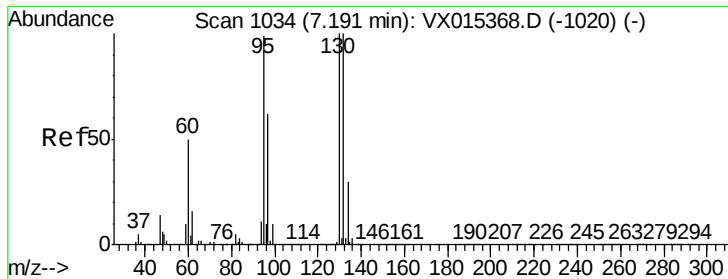
Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

121 0.0 23.8 35.8#





#44

Trichloroethene

Concen: 0.349 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

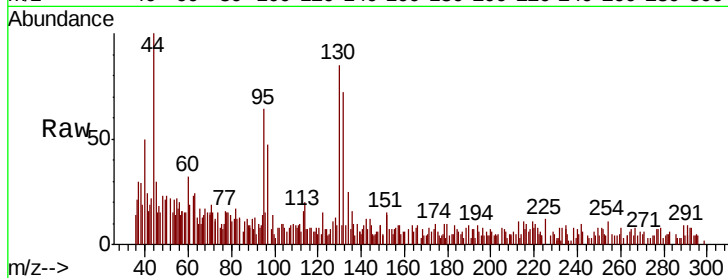
SS036PZ100-200413

Tot Ion:130 Resp: 4102

Ion Ratio Lower Upper

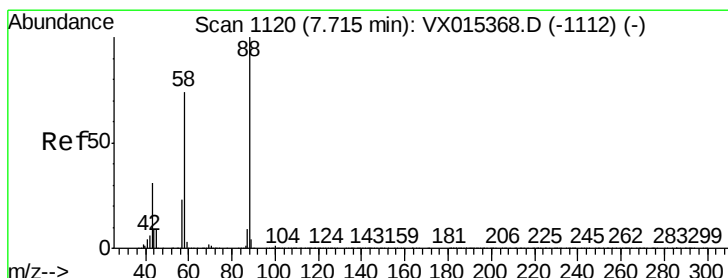
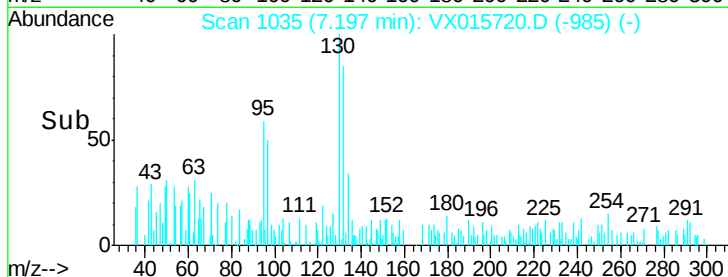
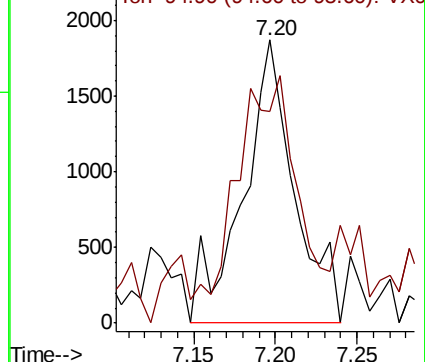
130 100

95 66.4 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.197 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

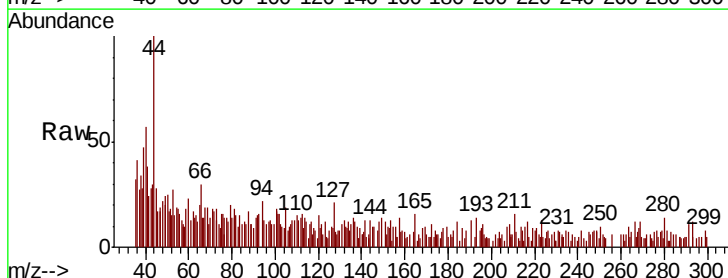
Tgt Ion: 88 Resp: 361

Ion Ratio Lower Upper

88 100

43 166.8 30.1 45.1#

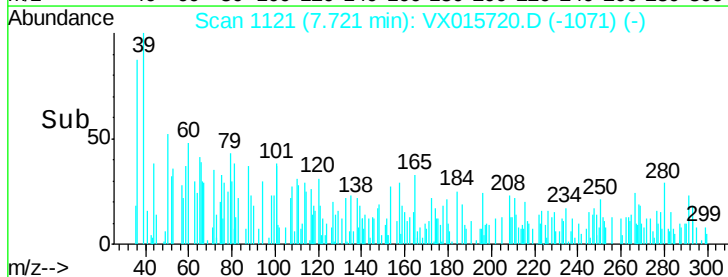
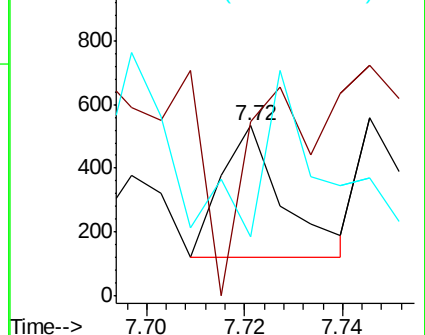
58 111.1 60.6 90.8#

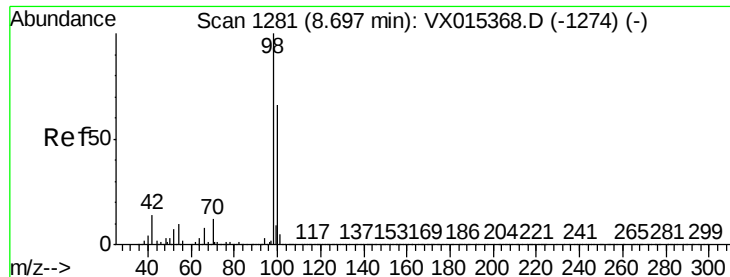


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.826 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

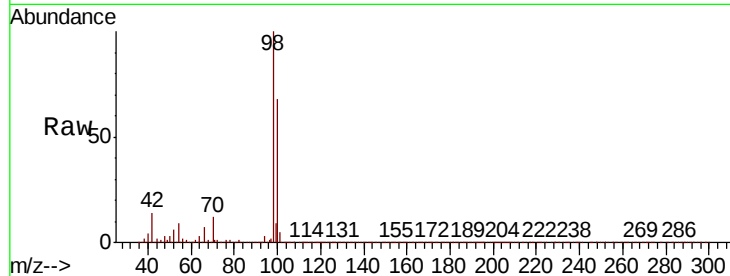
SS036PZ100-200413

Tot Ion: 98 Resp: 1911905

Ion Ratio Lower Upper

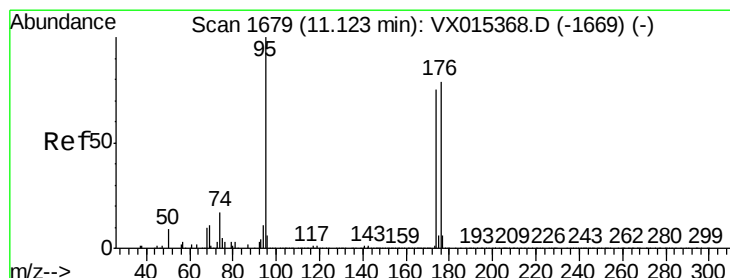
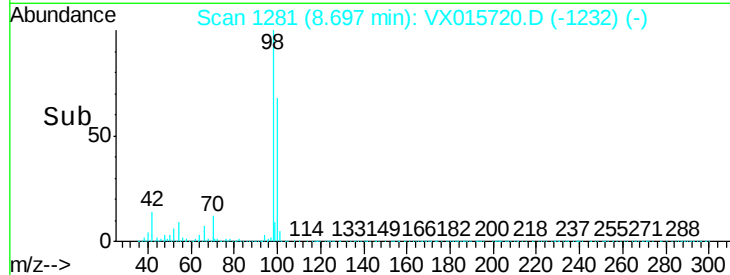
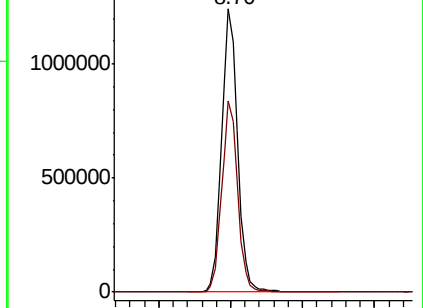
98 100

100 67.1 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 53.065 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

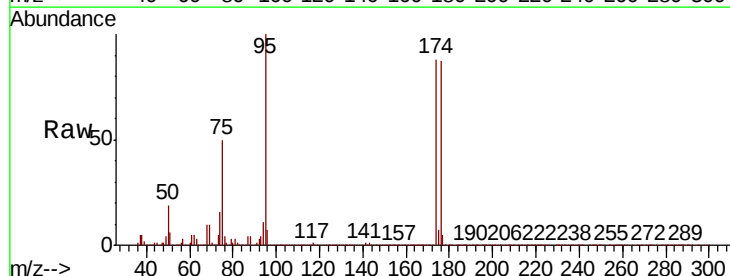
Tgt Ion: 95 Resp: 811225

Ion Ratio Lower Upper

95 100

174 86.2 0.0 158.6

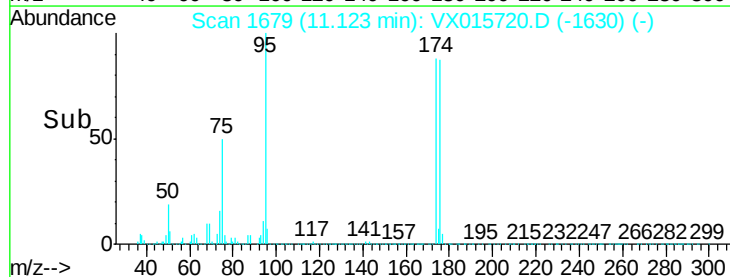
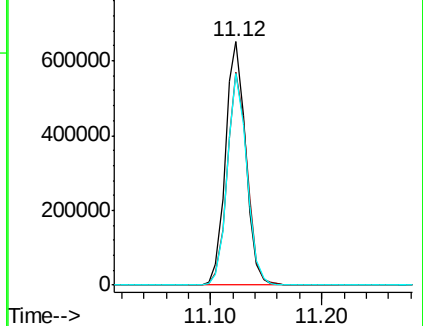
176 84.7 0.0 159.0

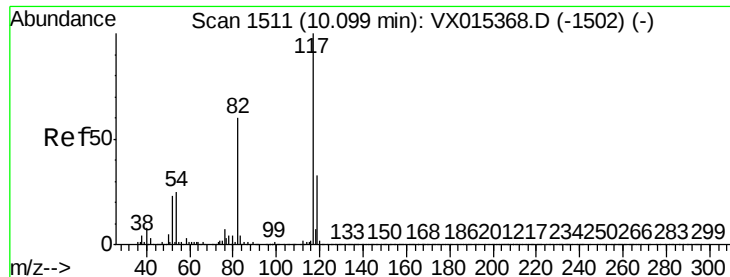


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

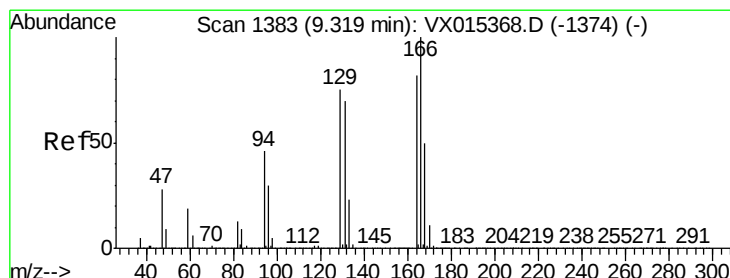
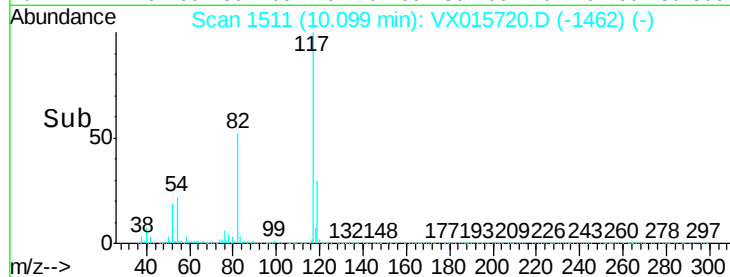
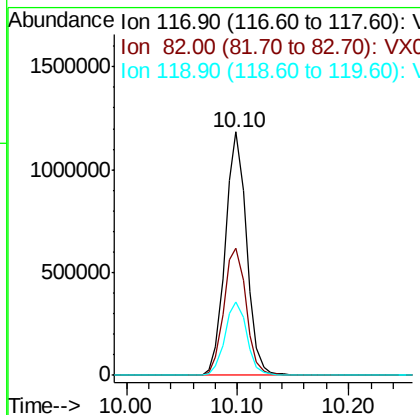
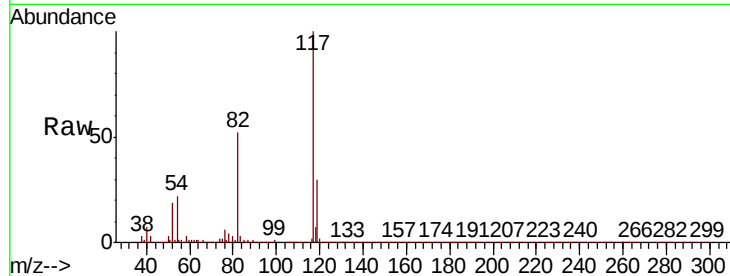




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015720.D
Acq: 16 Apr 2020 18:16

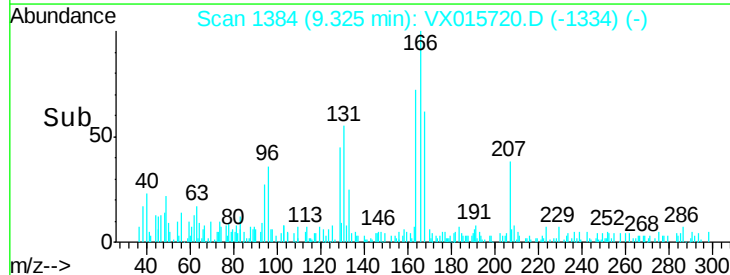
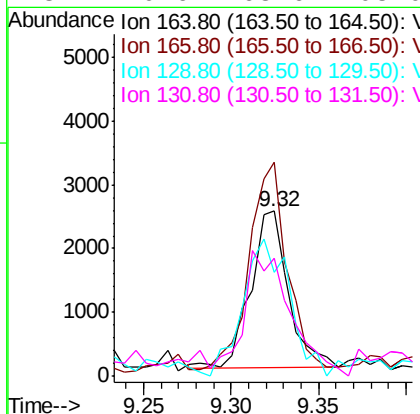
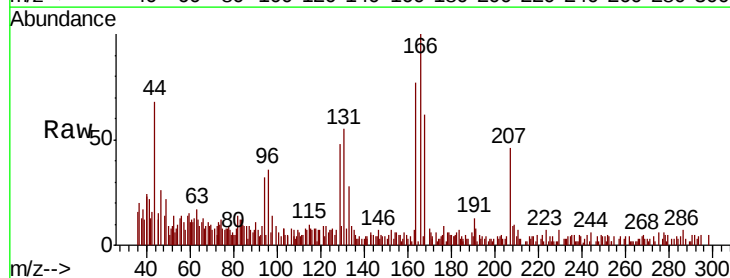
Instrument :
MSVOA_X
ClientSampleId :
SS036PZ100-200413

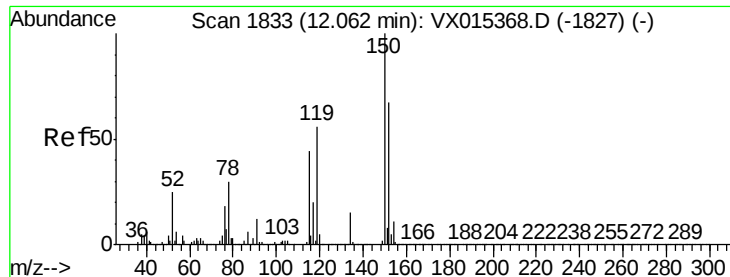
Tot Ion:117 Resp: 1570870
Ion Ratio Lower Upper
117 100
82 52.4 47.8 71.8
119 30.3 26.8 40.2



#64
Tetrachloroethene
Concen: 0.315 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015720.D
Acq: 16 Apr 2020 18:16

Tgt Ion:164 Resp: 3732
Ion Ratio Lower Upper
164 100
166 132.6 97.8 146.6
129 60.0 73.0 109.4#
131 70.6 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

SS036PZ100-200413

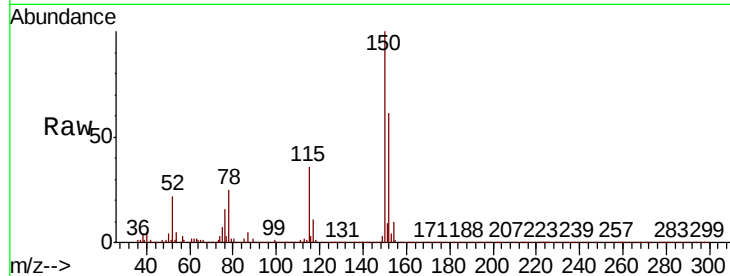
Tot Ion:152 Resp: 864050

Ion Ratio Lower Upper

152 100

115 56.2 39.0 116.9

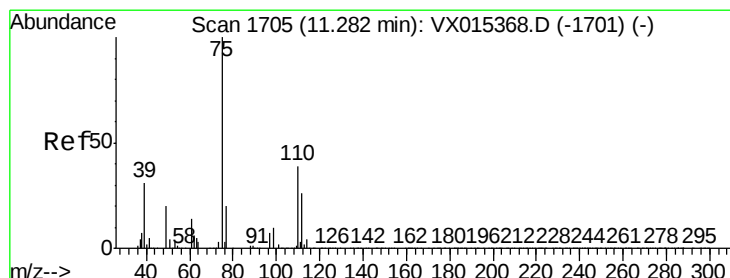
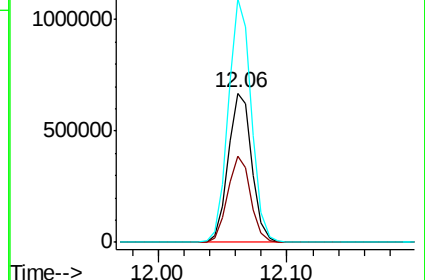
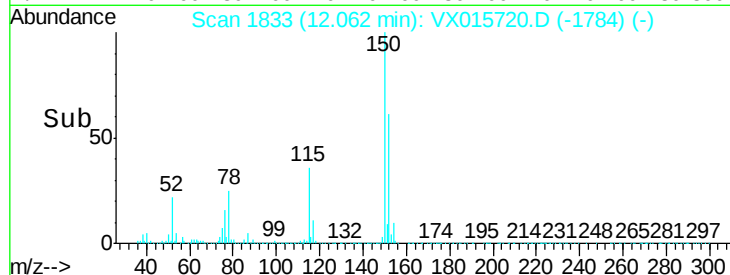
150 159.0 0.0 340.8



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: 23.180 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015720.D

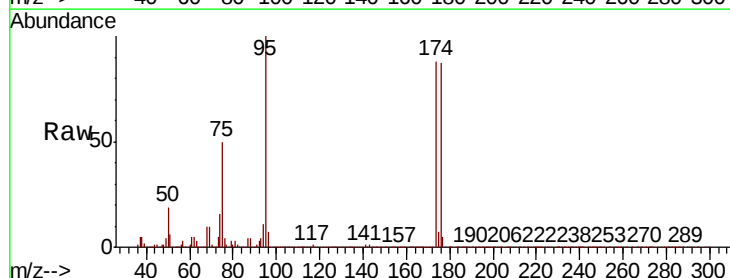
Acq: 16 Apr 2020 18:16

Tgt Ion: 75 Resp: 411871

Ion Ratio Lower Upper

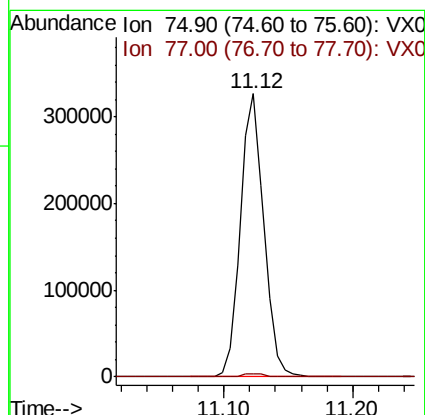
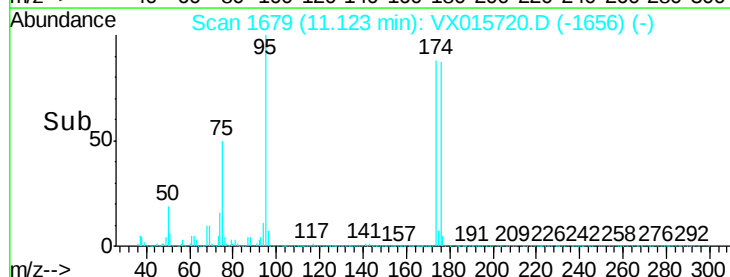
75 100

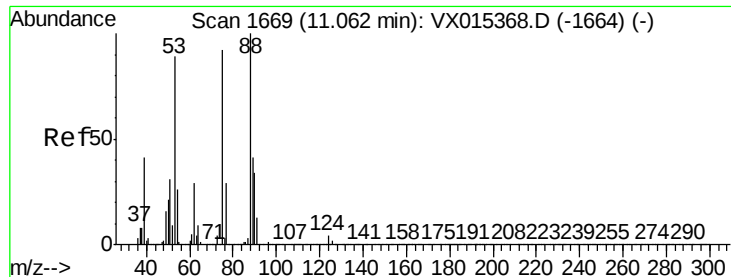
77 1.3 21.2 63.6#



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: 55.619 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015720.D

Acq: 16 Apr 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

SS036PZ100-200413

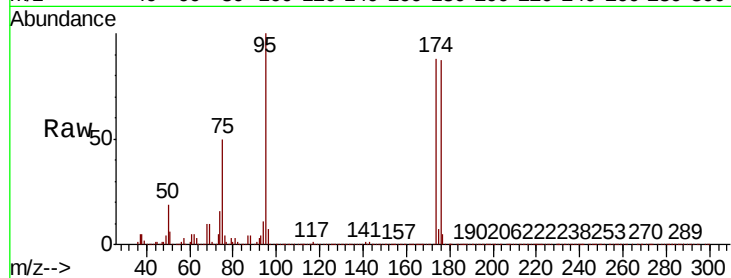
Tot Ion: 75 Resp: 411871

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.2 36.1 54.1#



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

