

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015725.D
 Acq On : 16 Apr 2020 20:09
 Operator : JC/SP
 Sample : L2294-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0545-200413

Quant Time: Apr 17 06:54:26 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

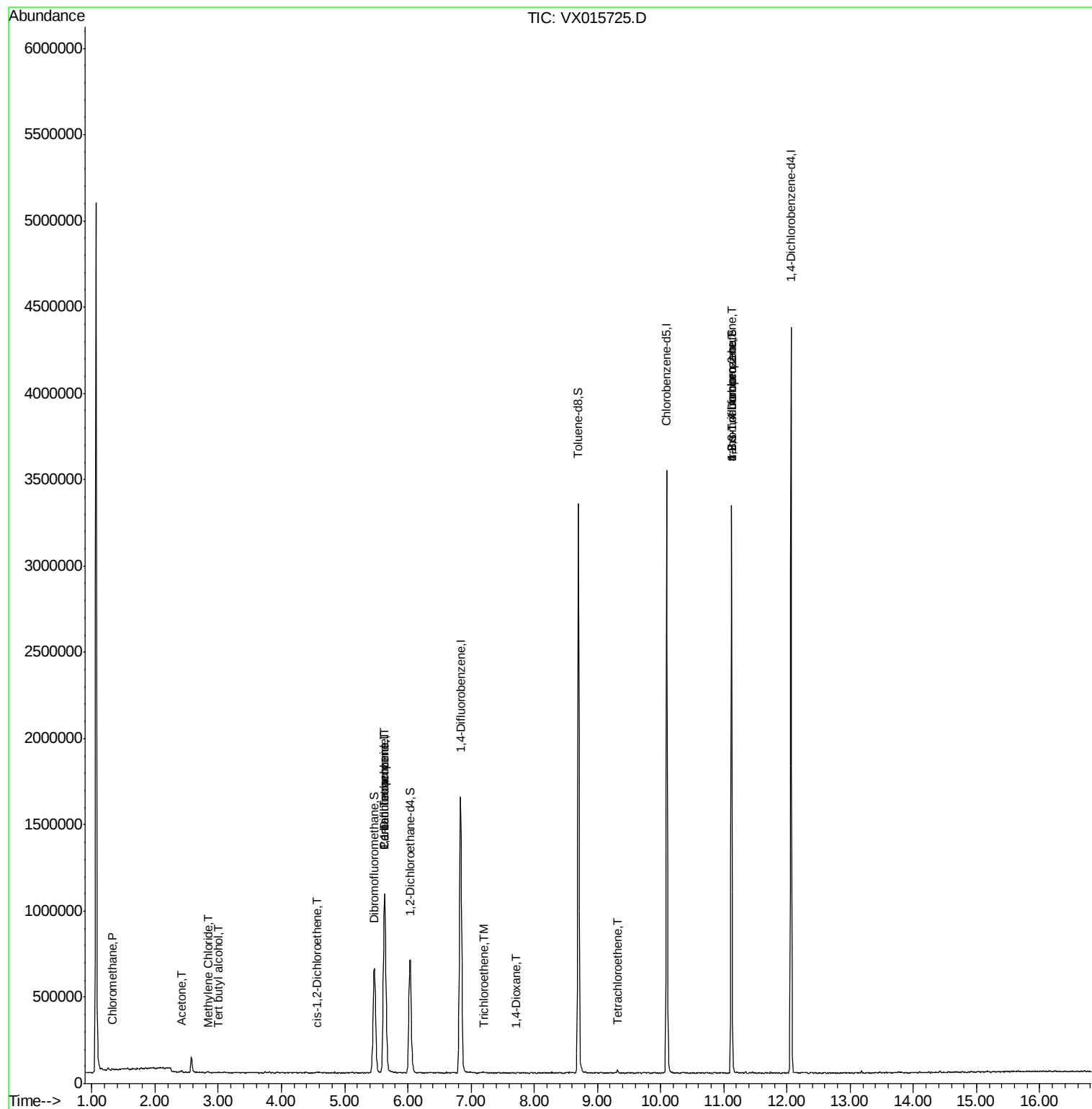
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1115269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1669661	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1588431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	907424	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	644040	40.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.88%	
35) Dibromofluoromethane	5.47	113	507431	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	8.70	98	2001192	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.12	95	830093	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	2593	0.207	ug/l #	84
5) Bromomethane	1.64	94	796	Below Cal	#	62
11) Tert butyl alcohol	3.00	59	1424	0.378	ug/l #	30
16) Acetone	2.42	43	12210	1.807	ug/l	96
20) Methylene Chloride	2.84	84	3039	0.241	ug/l #	52
27) cis-1,2-Dichloroethene	4.57	96	4403	0.326	ug/l	87
36) 1,1-Dichloropropene	5.63	75	71699	4.661	ug/l #	50
38) Carbon Tetrachloride	5.63	117	97099	5.827	ug/l #	16
44) Trichloroethene	7.20	130	2692	0.219	ug/l	43
49) 1,4-Dioxane	7.72	88	267	0.847	ug/l #	13
64) Tetrachloroethene	9.32	164	4627	0.386	ug/l #	70
76) 1,2,3-Trichloropropane	11.12	75	414350	22.205	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	414350	53.279	ug/l #	10

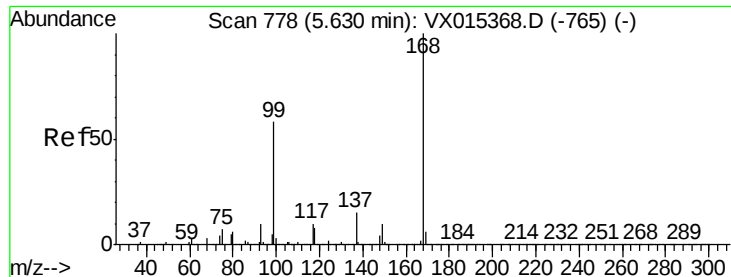
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 09:35:51 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

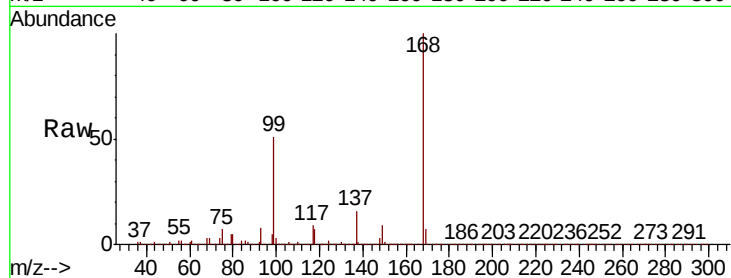
Z3-DUP-0545-200413

Tot Ion:168 Resp: 1115269

Ion Ratio Lower Upper

168 100

99 50.7 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

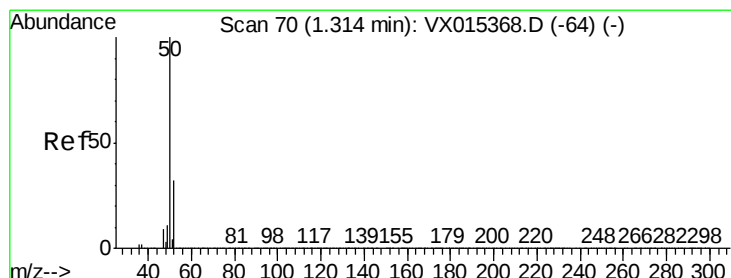
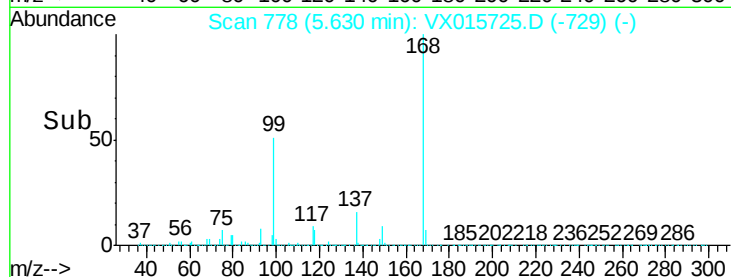
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015725.D

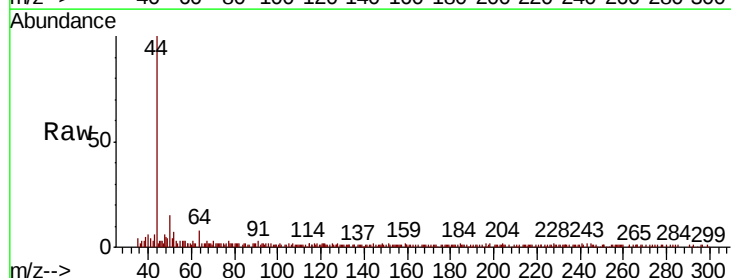
Acq: 16 Apr 2020 20:09

Tgt Ion: 50 Resp: 2593

Ion Ratio Lower Upper

50 100

52 22.7 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

3000

2500

2000

1500

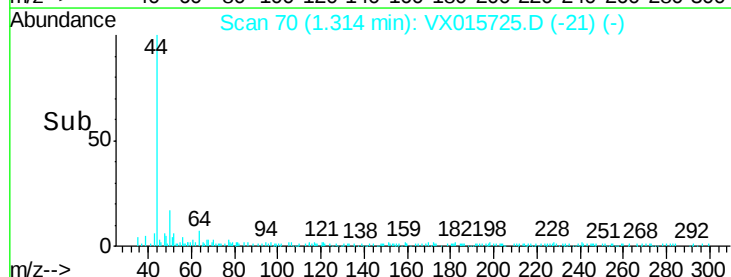
1000

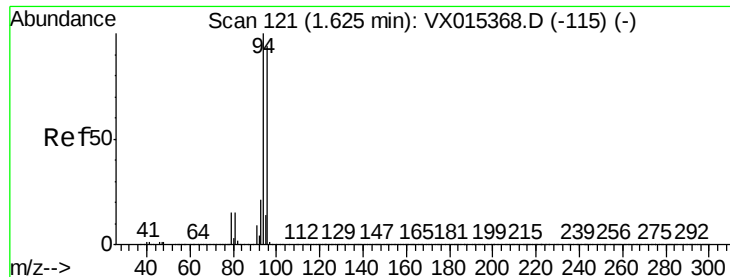
500

0

1.28 1.30 1.32 1.34

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

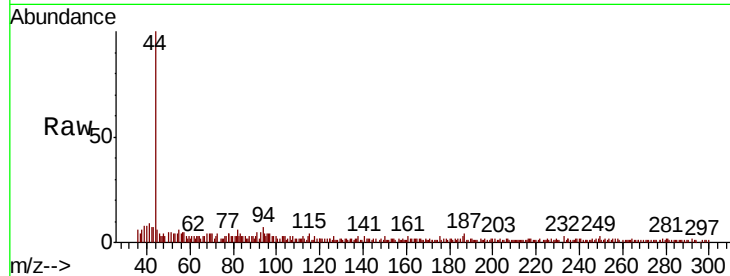
Z3-DUP-0545-200413

Tot Ion: 94 Resp: 796

Ion Ratio Lower Upper

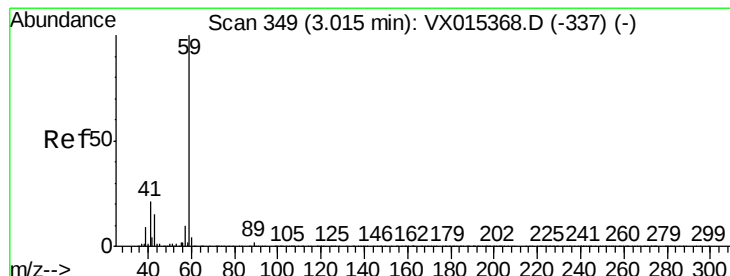
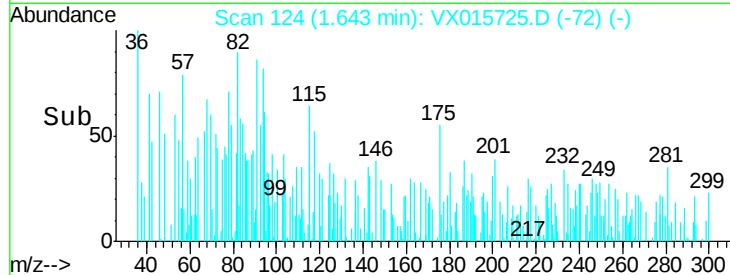
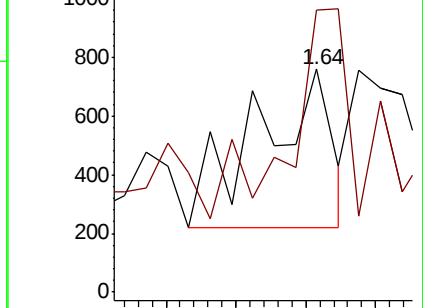
94 100

96 57.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.378 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015725.D

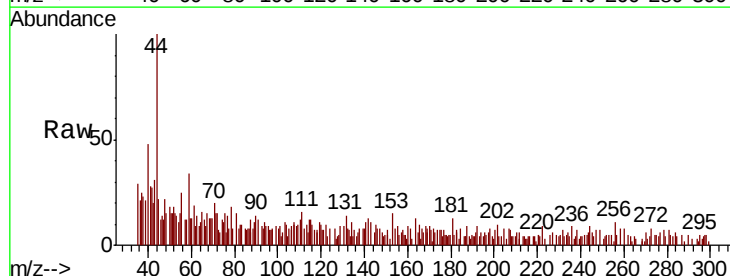
Acq: 16 Apr 2020 20:09

Tgt Ion: 59 Resp: 1424

Ion Ratio Lower Upper

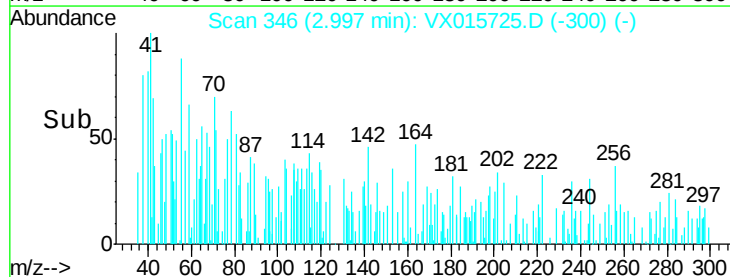
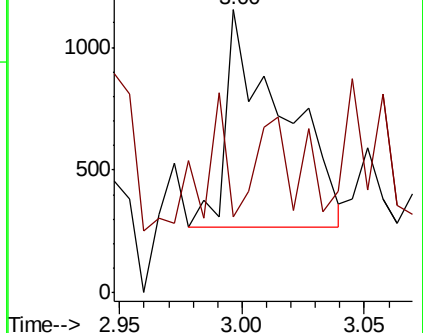
59 100

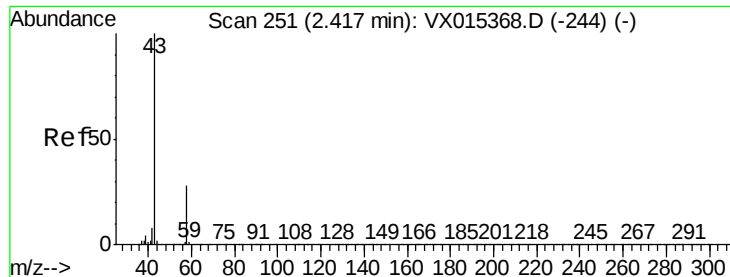
57 36.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.807 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

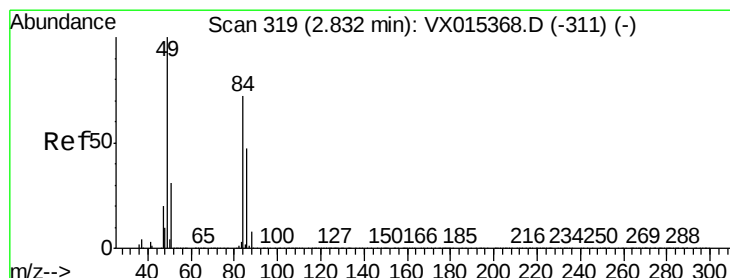
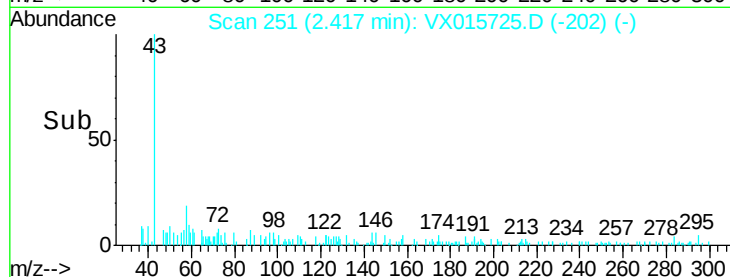
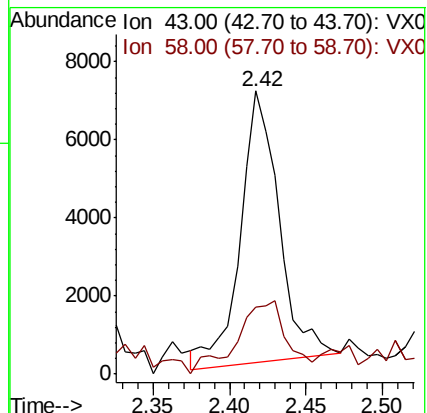
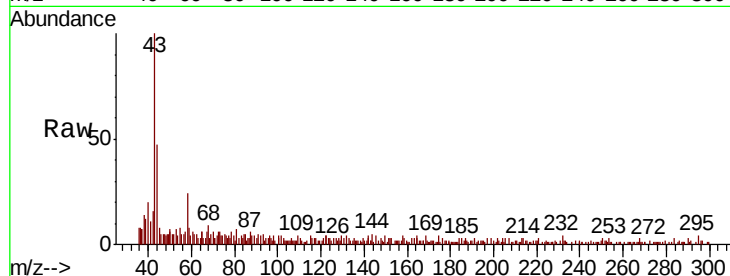
Z3-DUP-0545-200413

Tot Ion: 43 Resp: 12210

Ion Ratio Lower Upper

43 100

58 25.6 22.1 33.1



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.01 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

Tgt Ion: 84 Resp: 3039

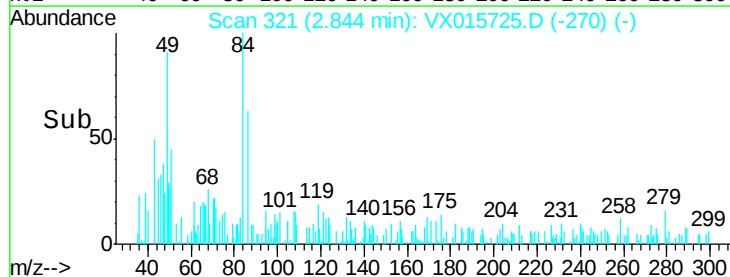
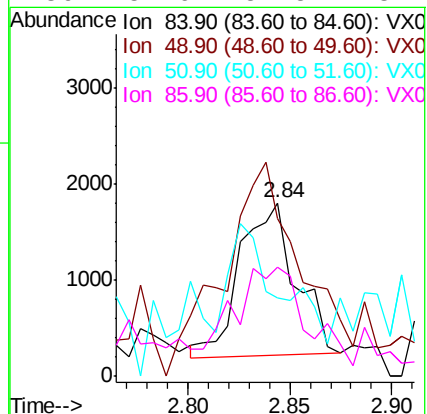
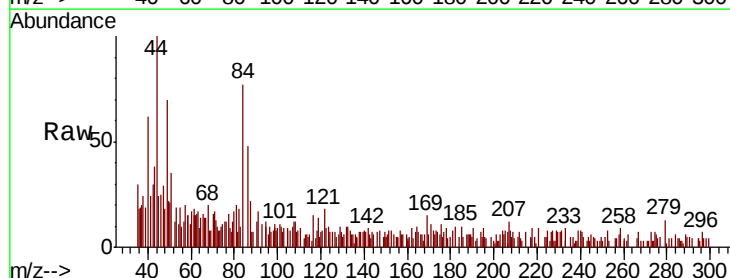
Ion Ratio Lower Upper

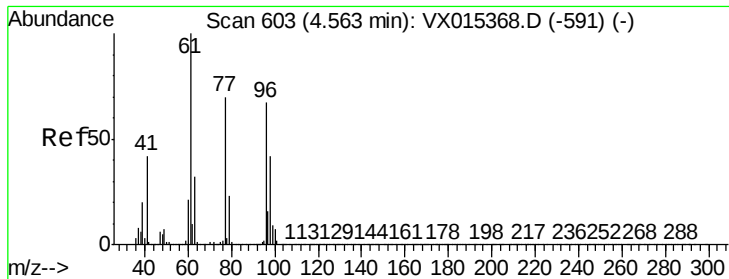
84 100

49 67.3 111.3 166.9#

51 0.0 34.0 51.0#

86 54.6 52.5 78.7



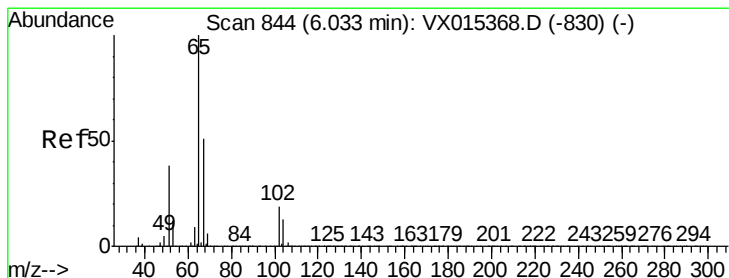
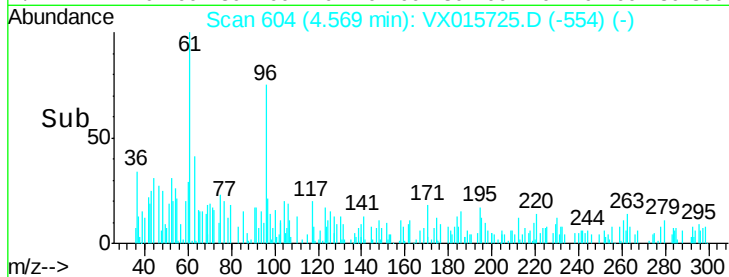
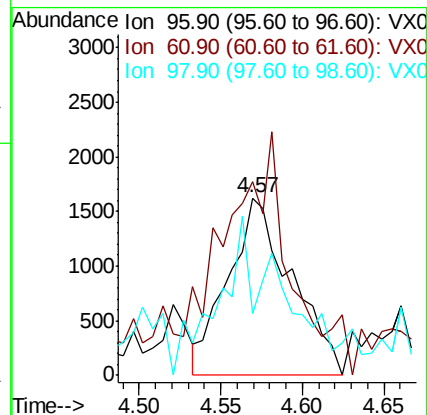
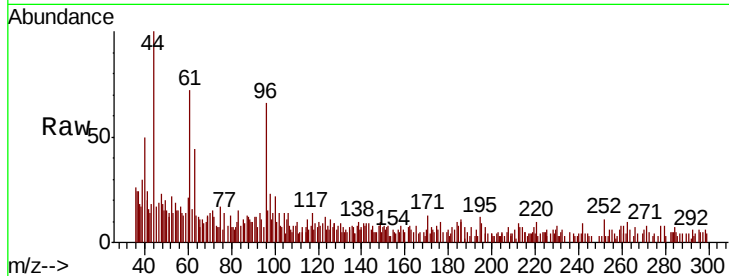


#27

cis-1,2-Dichloroethene
Concen: 0.326 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015725.D
Acq: 16 Apr 2020 20:09

Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0545-200413

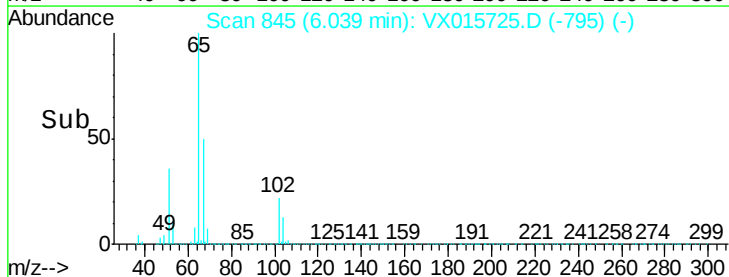
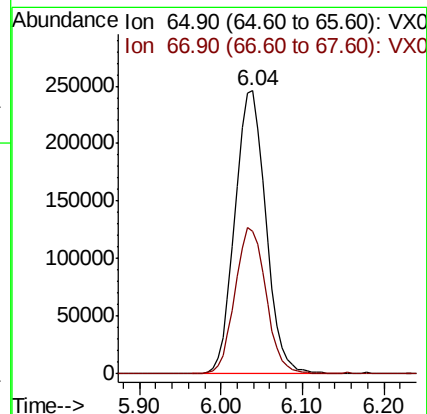
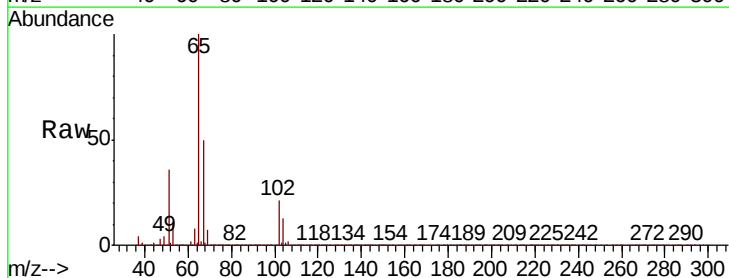
Tot Ion: 96 Resp: 4403
Ion Ratio Lower Upper
96 100
61 139.1 0.0 308.4
98 52.4 0.0 129.2

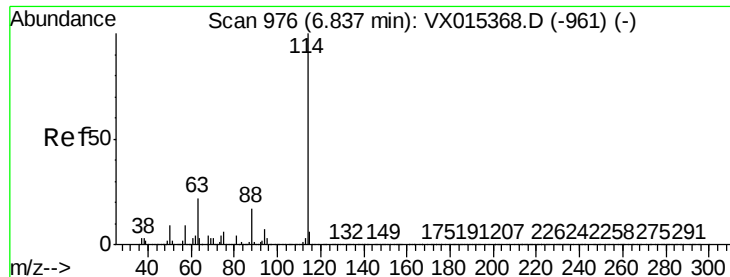


#33

1,2-Dichloroethane-d4
Concen: 40.944 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015725.D
Acq: 16 Apr 2020 20:09

Tgt Ion: 65 Resp: 644040
Ion Ratio Lower Upper
65 100
67 51.6 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: VX015725.D

Acq: 16 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0545-200413

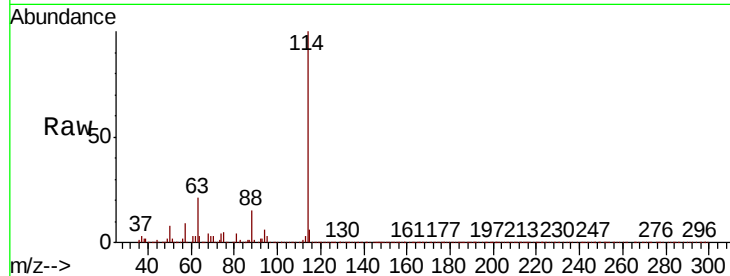
Tot Ion:114 Resp: 1669661

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.2

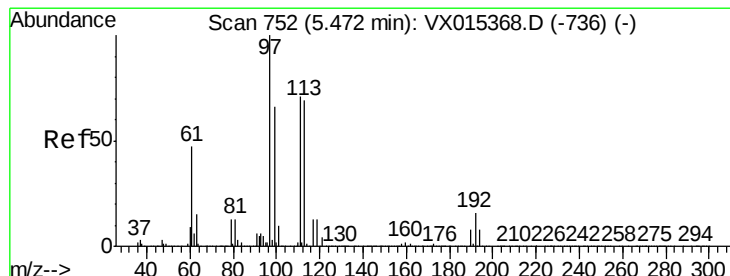
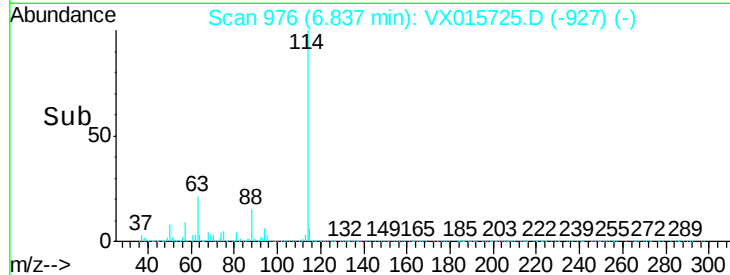
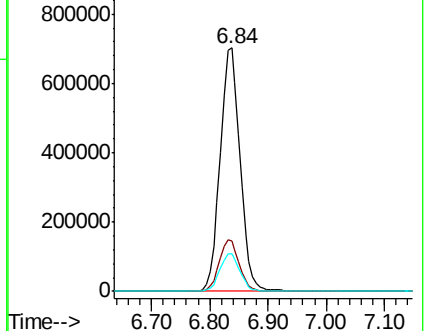
88 15.3 0.0 33.8



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: 47.544 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

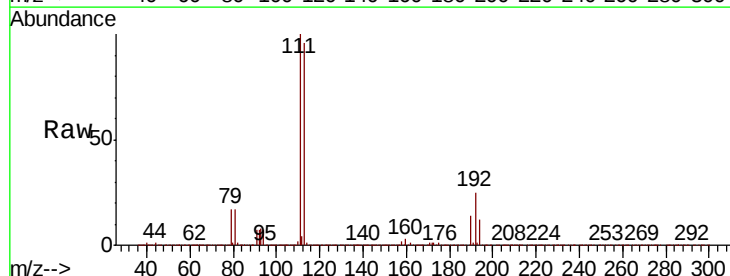
Tgt Ion:113 Resp: 507431

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

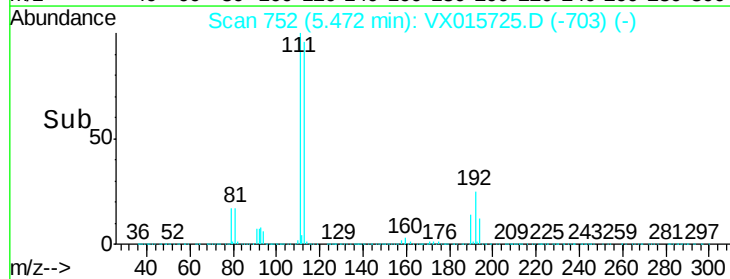
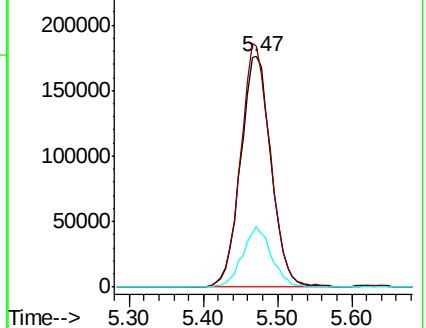
192 24.9 17.8 26.6

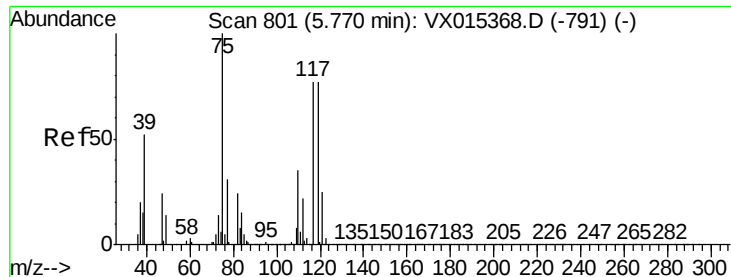


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

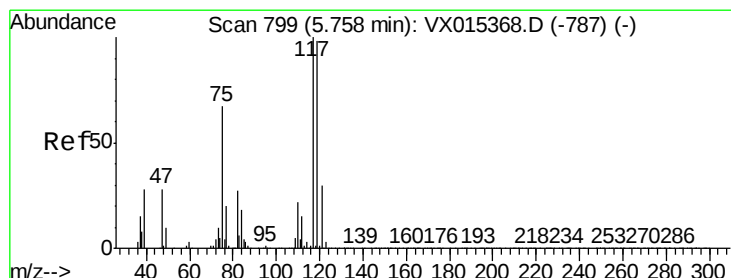
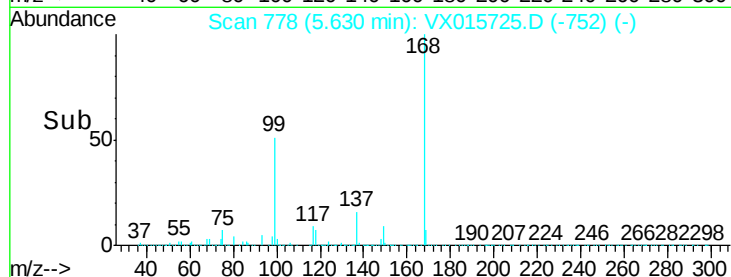
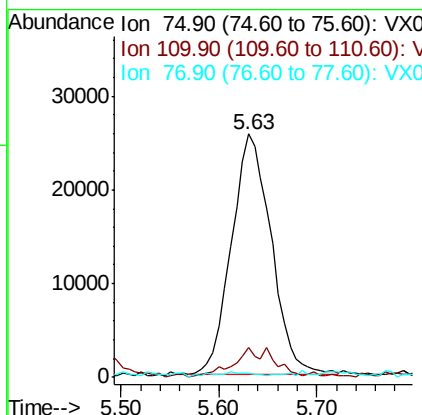
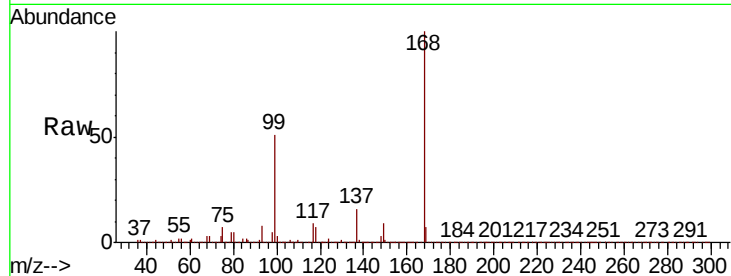




#36
 1,1-Dichloropropene
 Concen: 4.661 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015725.D
 Acq: 16 Apr 2020 20:09

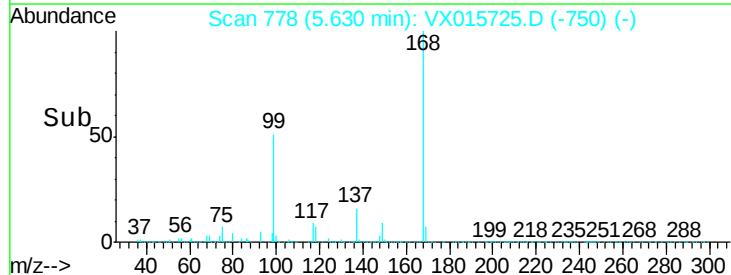
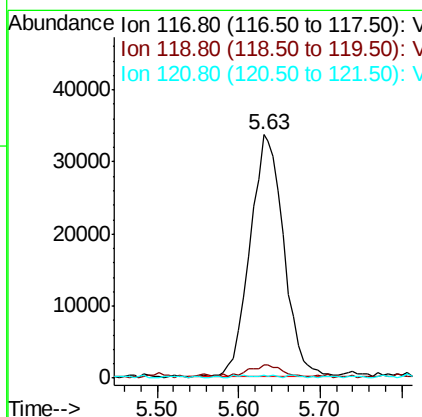
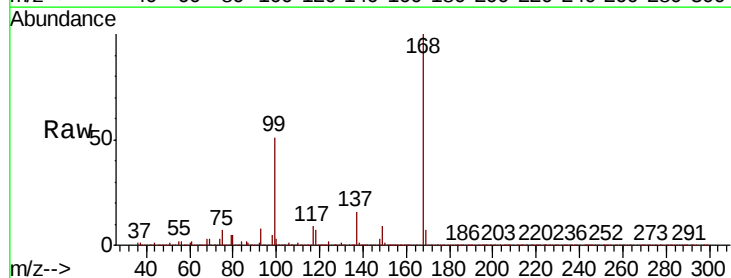
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0545-200413

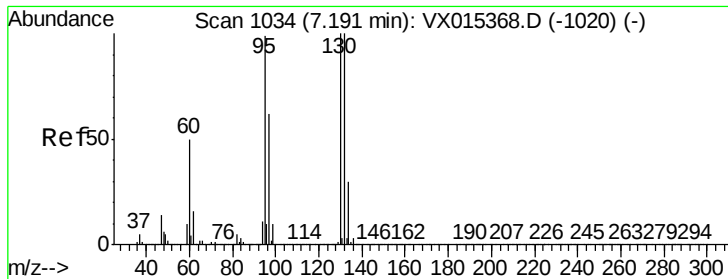
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.1	51.3#
77	0.6	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.827 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015725.D
 Acq: 16 Apr 2020 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.0	117.0#
121	0.8	23.8	35.8#





#44

Trichloroethene

Concen: 0.219 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

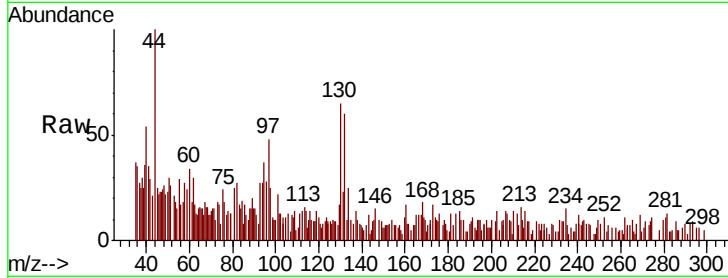
Z3-DUP-0545-200413

Tot Ion:130 Resp: 2692

Ion Ratio Lower Upper

130 100

95 42.2 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

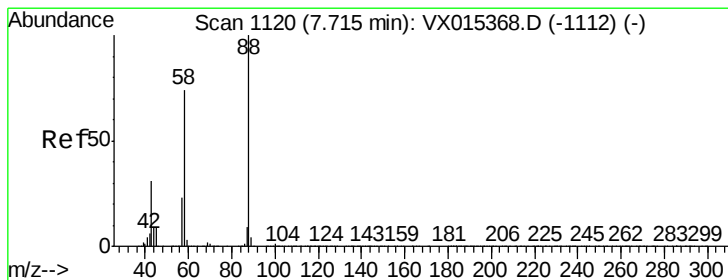
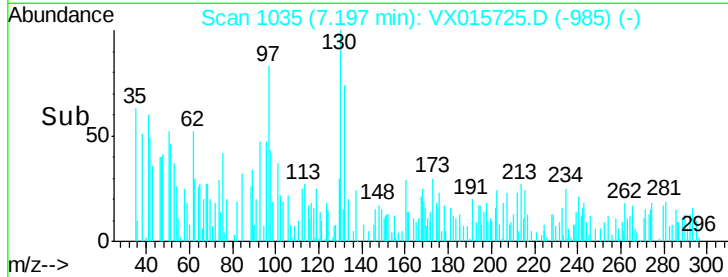
7.20

1000

500

0

Time--> 7.10 7.15 7.20 7.25



#49

1,4-Dioxane

Concen: 0.847 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

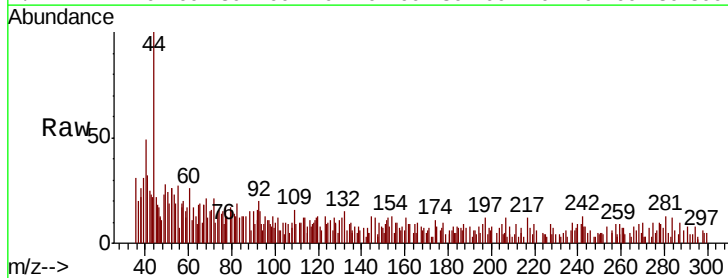
Tgt Ion: 88 Resp: 267

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 159.9 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

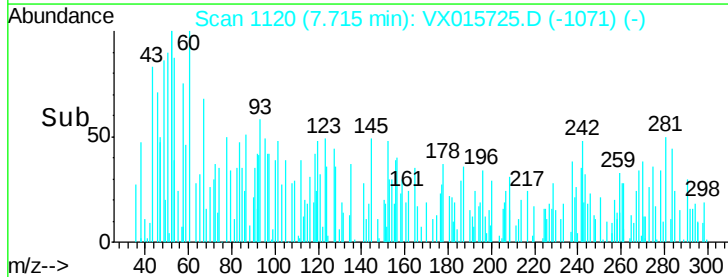
7.72

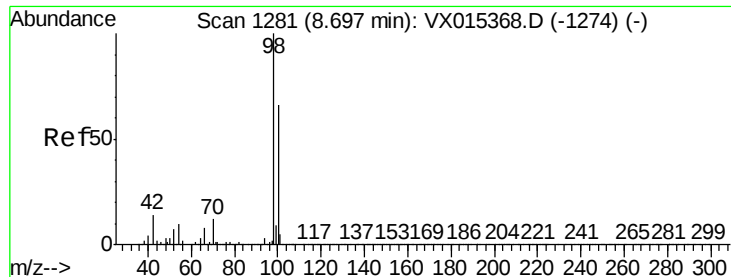
1000

500

0

Time--> 7.70 7.72





#50

Toluene-d8

Concen: 50.928 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

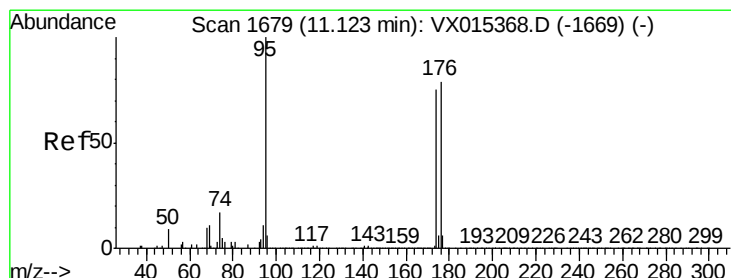
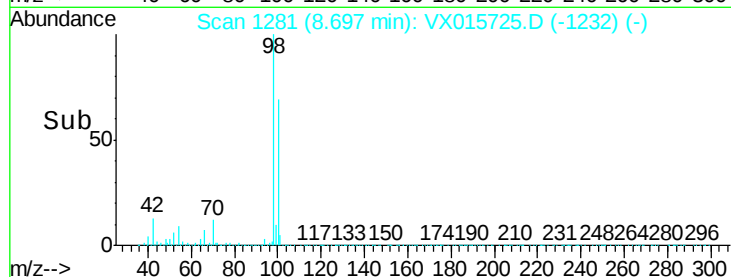
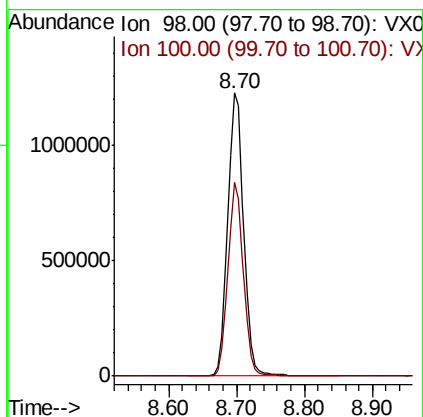
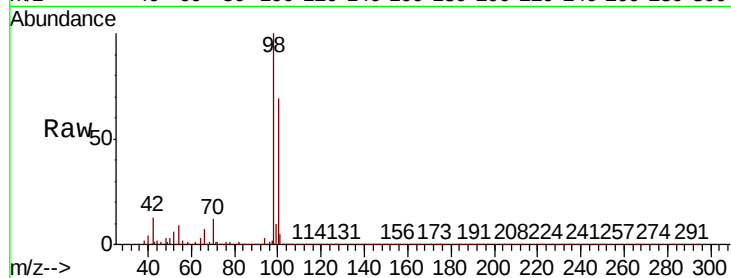
Z3-DUP-0545-200413

Tot Ion: 98 Resp: 2001192

Ion Ratio Lower Upper

98 100

100 66.5 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 51.980 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

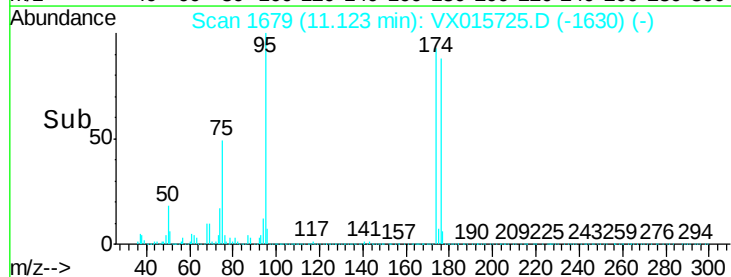
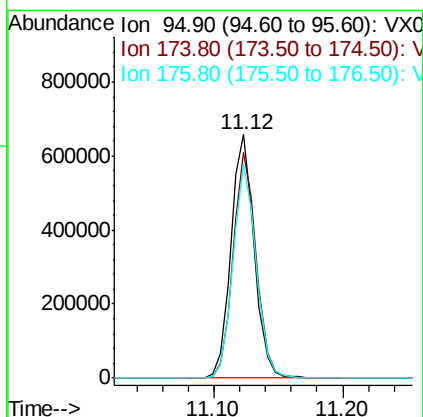
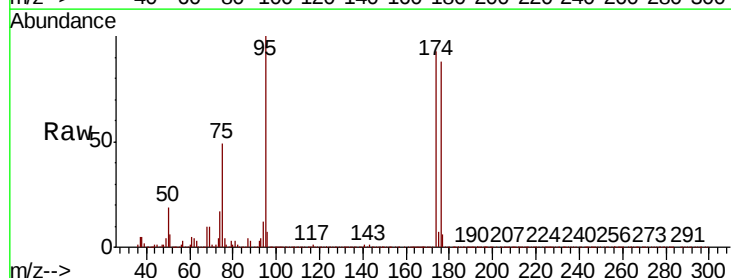
Tgt Ion: 95 Resp: 830093

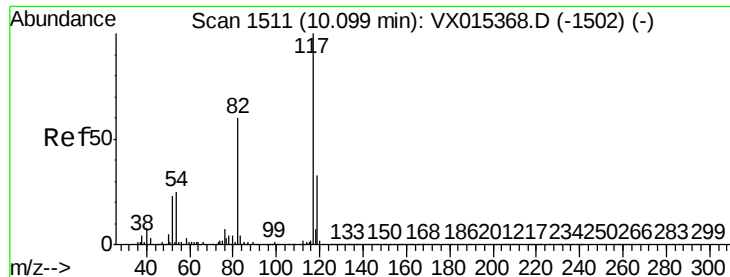
Ion Ratio Lower Upper

95 100

174 92.1 0.0 158.6

176 87.5 0.0 159.0

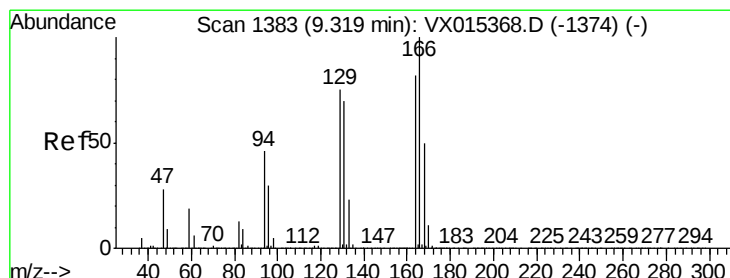
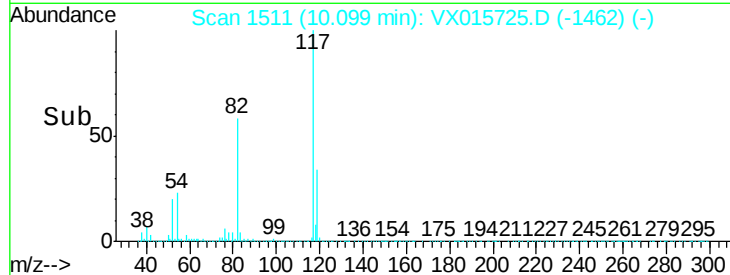
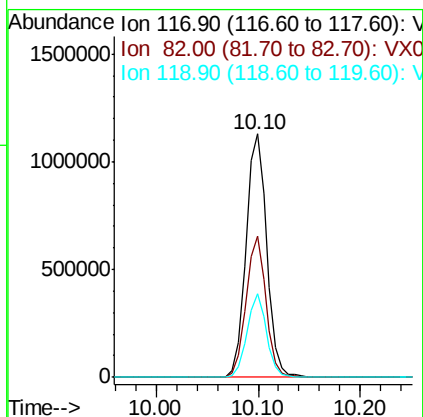
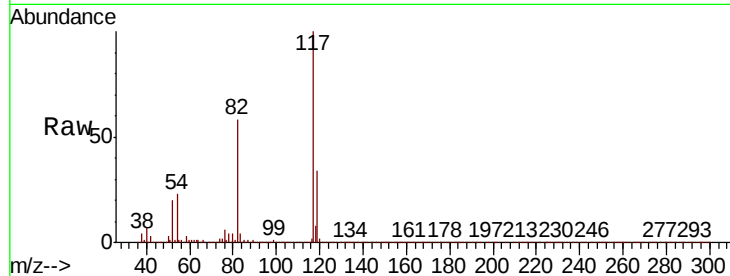




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015725.D
Acq: 16 Apr 2020 20:09

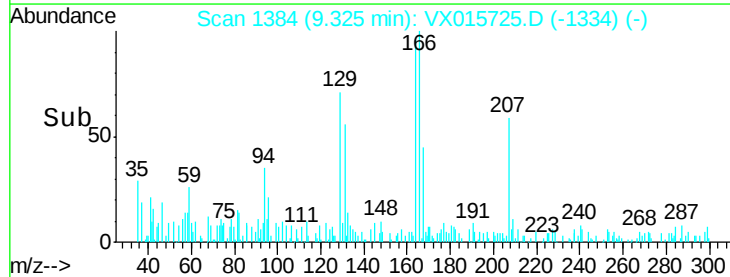
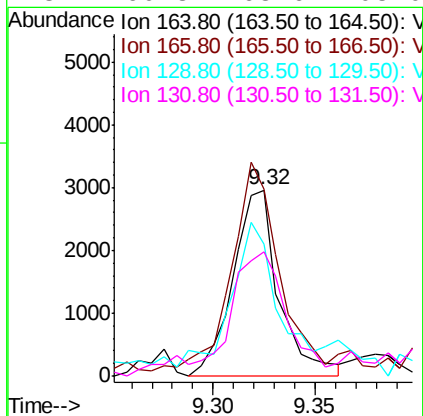
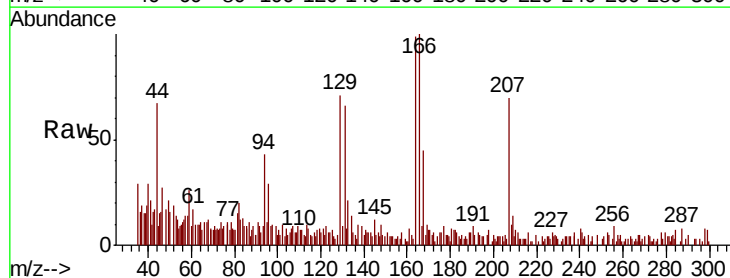
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0545-200413

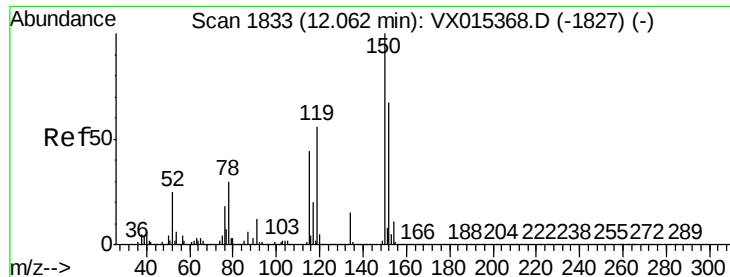
Tot Ion:117 Resp: 1588431
Ion Ratio Lower Upper
117 100
82 58.1 47.8 71.8
119 34.1 26.8 40.2



#64
Tetrachloroethene
Concen: 0.386 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015725.D
Acq: 16 Apr 2020 20:09

Tgt Ion:164 Resp: 4627
Ion Ratio Lower Upper
164 100
166 91.6 97.8 146.6#
129 57.6 73.0 109.4#
131 60.3 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: VX015725.D

Acq: 16 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0545-200413

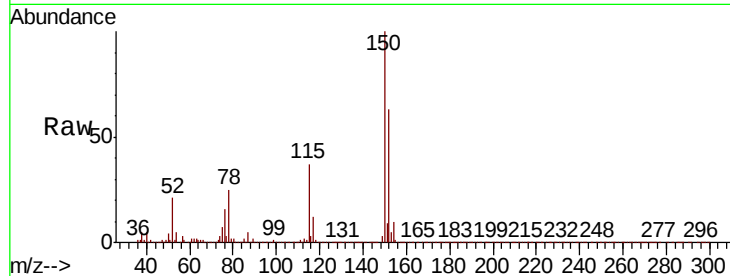
Tot Ion:152 Resp: 907424

Ion Ratio Lower Upper

152 100

115 55.6 39.0 116.9

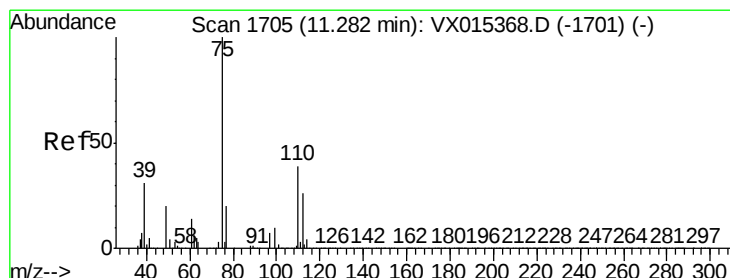
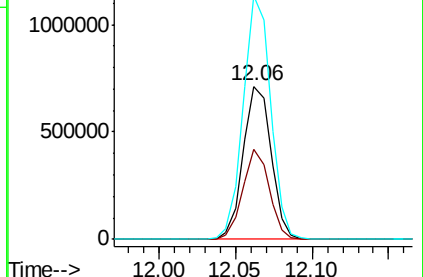
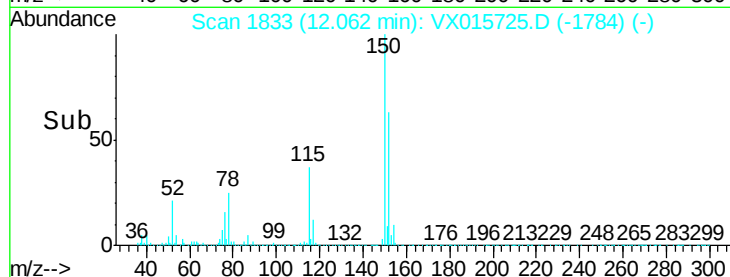
150 155.7 0.0 340.8



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: 22.205 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015725.D

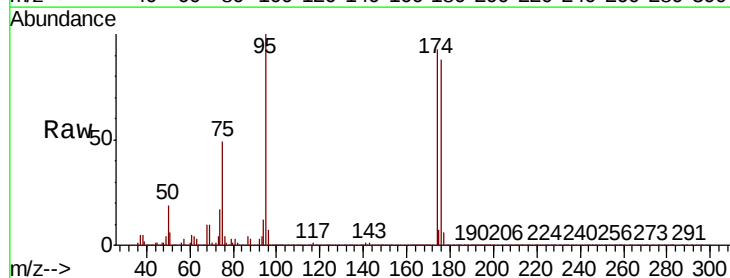
Acq: 16 Apr 2020 20:09

Tgt Ion: 75 Resp: 414350

Ion Ratio Lower Upper

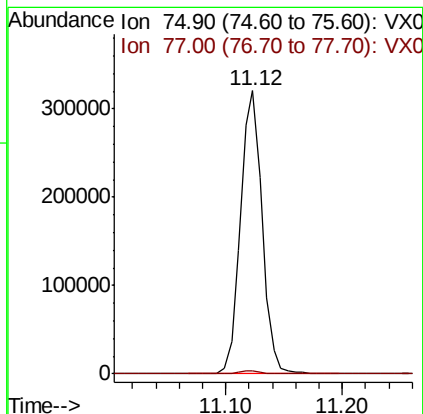
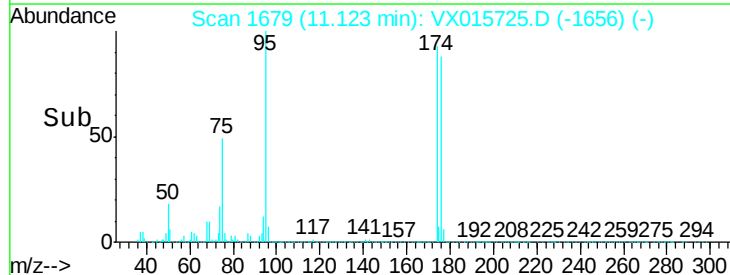
75 100

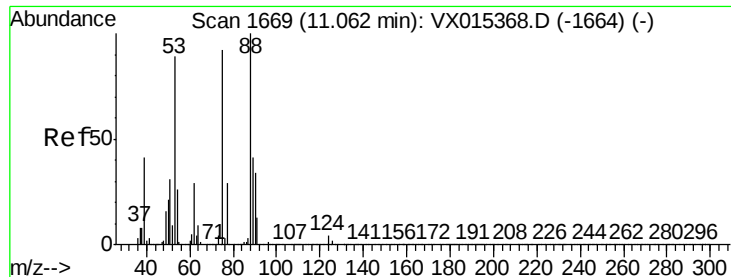
77 1.3 21.2 63.6#



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: 53.279 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015725.D

Acq: 16 Apr 2020 20:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0545-200413

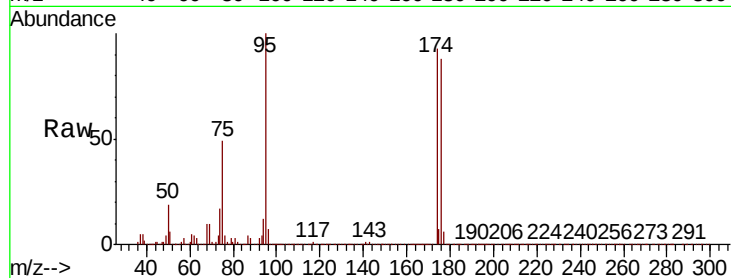
Tot Ion: 75 Resp: 414350

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 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

