

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040820\
 Data File : VX015581.D
 Acq On : 08 Apr 2020 19:49
 Operator : JC/SP
 Sample : L2190-09DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW311-200407DL

Quant Time: Apr 09 06:26:34 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	5.64	168	1022675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1641667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1578748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	886138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	682905	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
35) Dibromofluoromethane	5.47	113	513267	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.70	98	1955331	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.12	95	851802	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	

Target Compounds

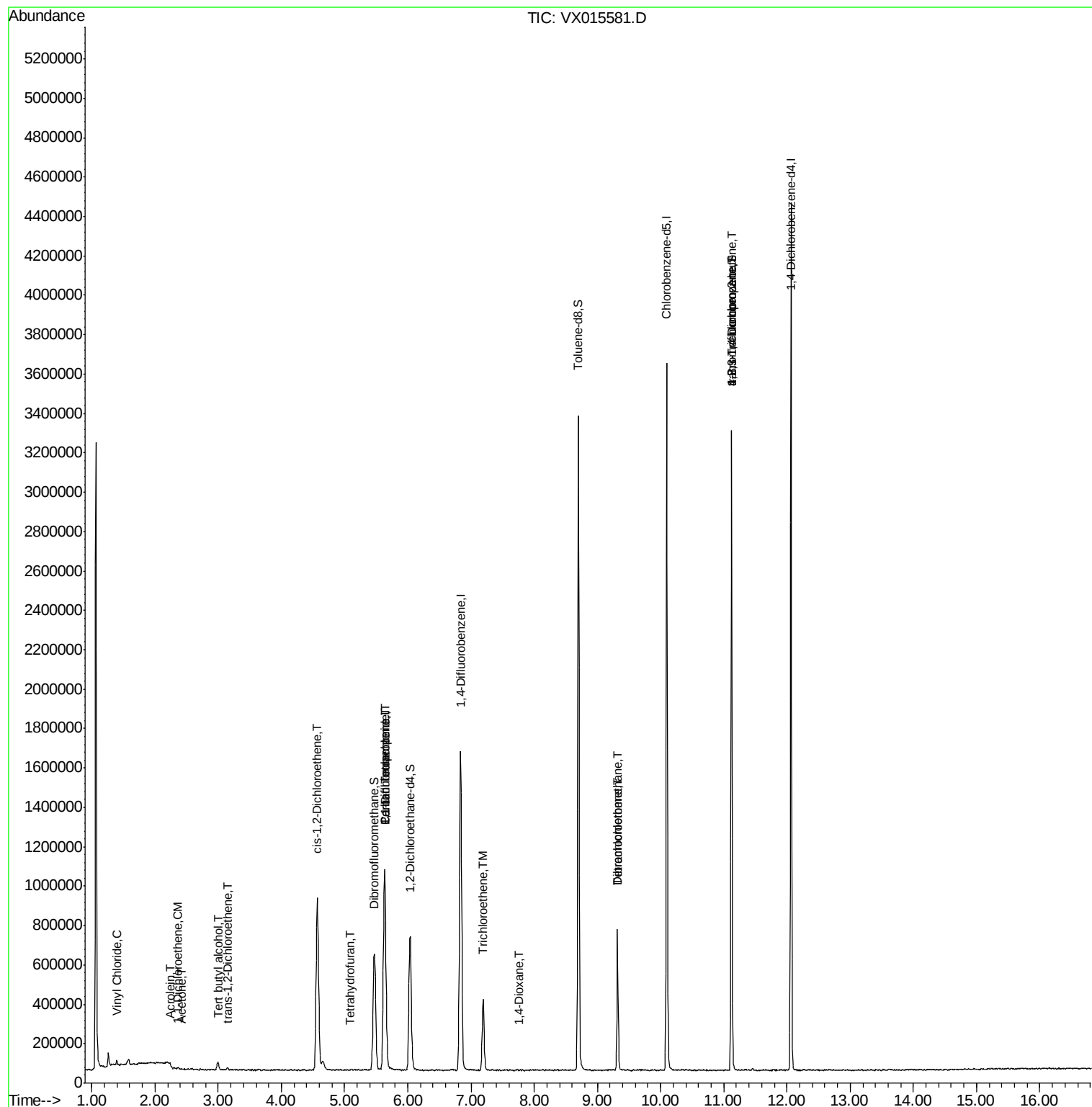
					Qvalue	
4) Vinyl Chloride	1.39	62	15427	1.464	ug/l	96
5) Bromomethane	1.63	94	162	Below Cal	#	16
11) Tert butyl alcohol	3.00	59	24486	7.092	ug/l #	86
12) 1,1-Dichloroethene	2.36	96	2672	0.277	ug/l #	76
13) Acrolein	2.25	56	821	0.417	ug/l #	14
16) Acetone	2.42	43	3325	0.537	ug/l	93
21) trans-1,2-Dichloroethene	3.14	96	4439	0.414	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	537527	43.359	ug/l	92
29) Tetrahydrofuran	5.08	42	1584	0.247	ug/l #	76
36) 1,1-Dichloropropene	5.63	75	74384	4.918	ug/l #	47
38) Carbon Tetrachloride	5.64	117	97541	5.954	ug/l #	16
44) Trichloroethene	7.19	130	144654	11.971	ug/l	98
49) 1,4-Dioxane	7.76	88	413	1.333	ug/l #	19
60) Dibromochloromethane	9.32	129	126378	9.397	ug/l #	11
64) Tetrachloroethene	9.32	164	148143	12.434	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	440257	24.160	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	440257	57.970	ug/l #	10

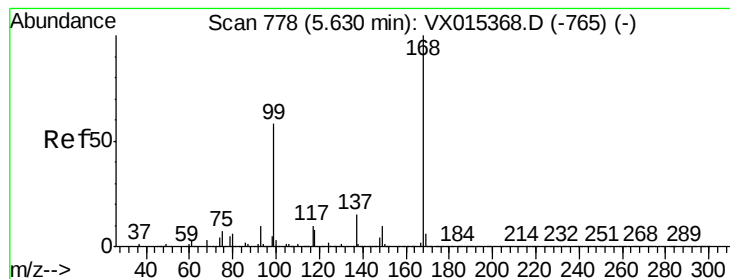
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015581.D

Acq: 08 Apr 2020 19:49

Instrument :

MSVOA_X

ClientSampleId :

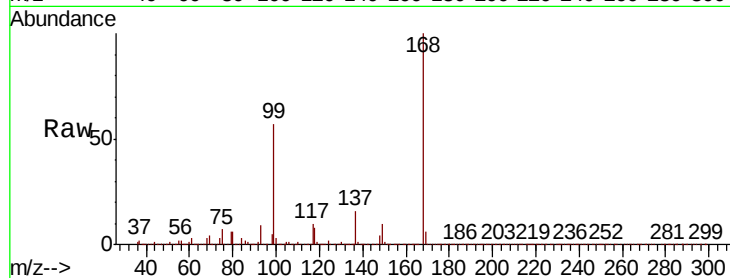
SS037MW311-200407DL

Tot Ion:168 Resp: 1022675

Ion Ratio Lower Upper

168 100

99 57.4 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

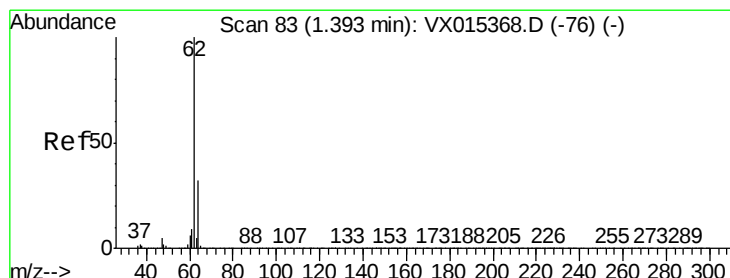
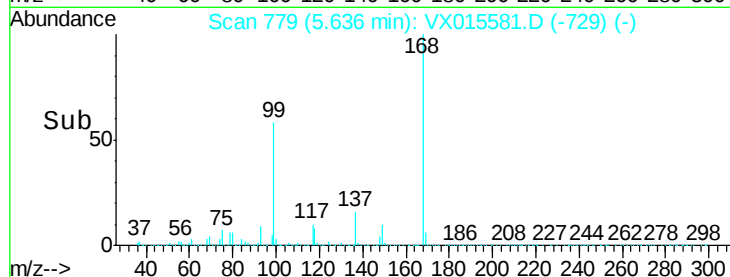
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.464 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015581.D

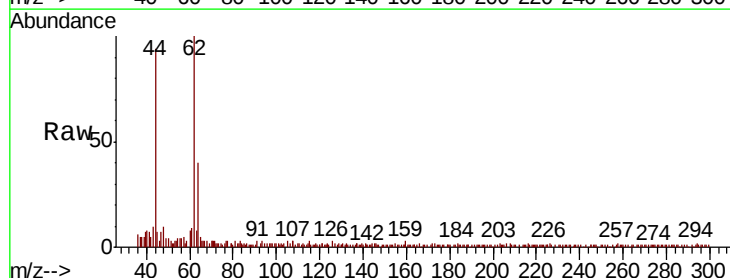
Acq: 08 Apr 2020 19:49

Tgt Ion: 62 Resp: 15427

Ion Ratio Lower Upper

62 100

64 34.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

15000

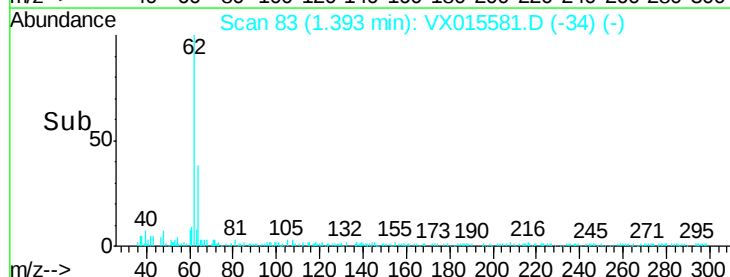
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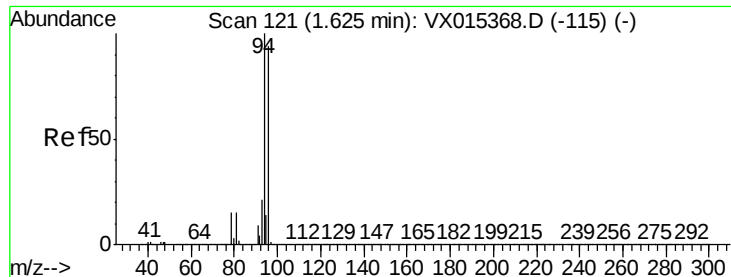
5000

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015581.D

Acq: 08 Apr 2020 19:49

Instrument :

MSVOA_X

ClientSampleId :

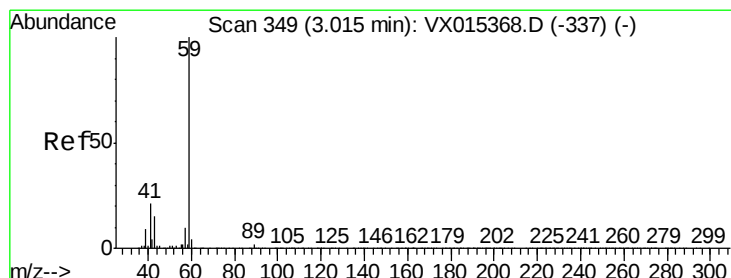
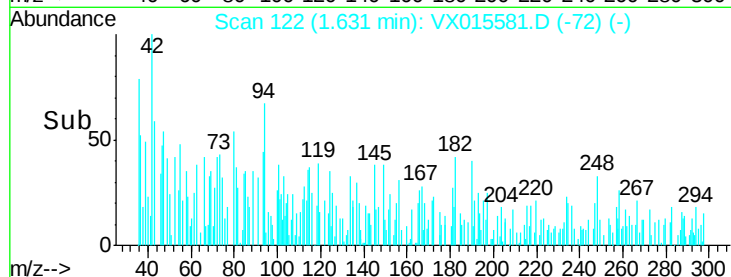
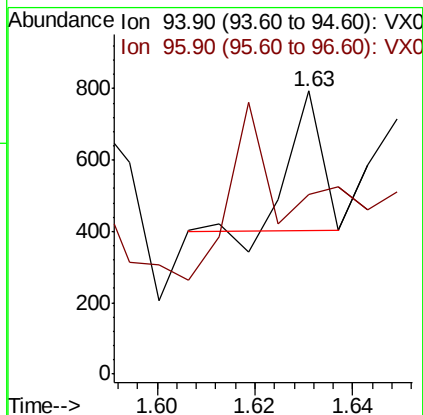
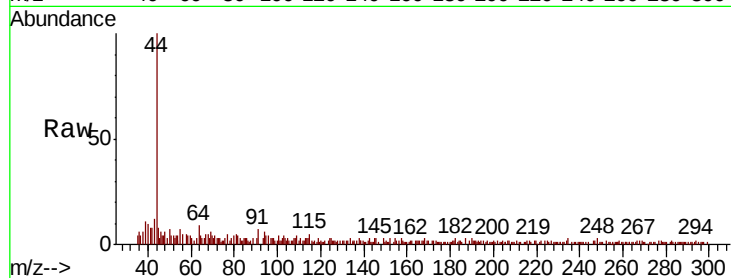
SS037MW311-200407DL

Tot Ion: 94 Resp: 162

Ion Ratio Lower Upper

94 100

96 12.8 74.8 112.2#



#11

Tert butyl alcohol

Concen: 7.092 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015581.D

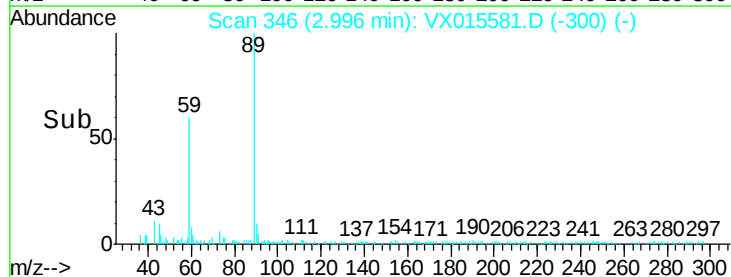
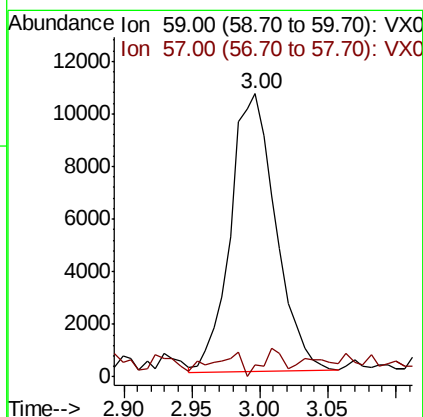
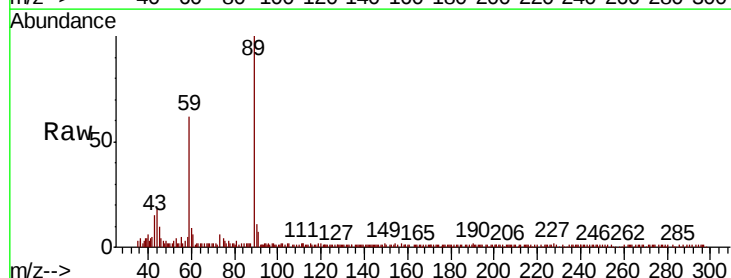
Acq: 08 Apr 2020 19:49

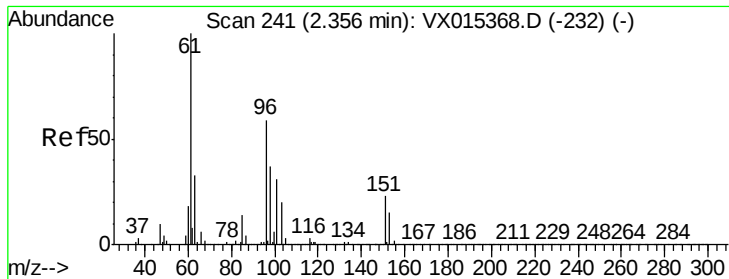
Tgt Ion: 59 Resp: 24486

Ion Ratio Lower Upper

59 100

57 4.7 8.1 12.1#

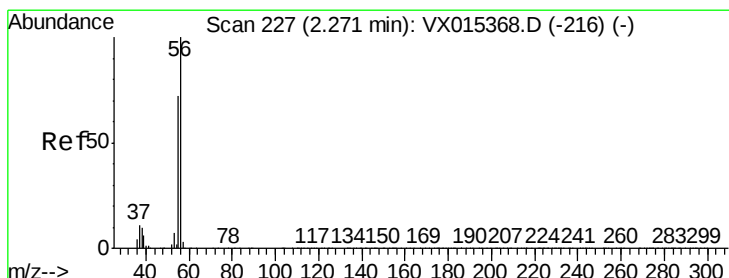
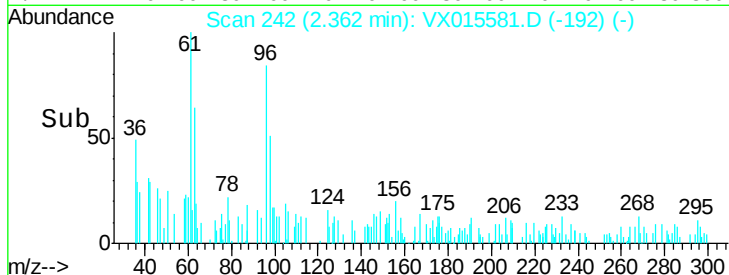
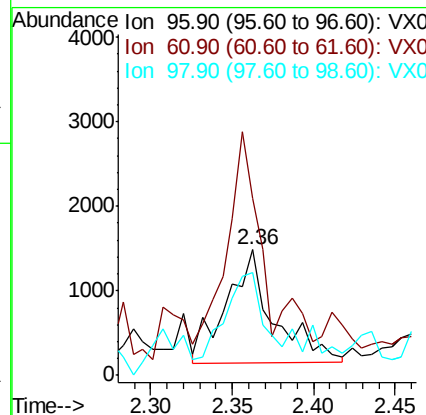
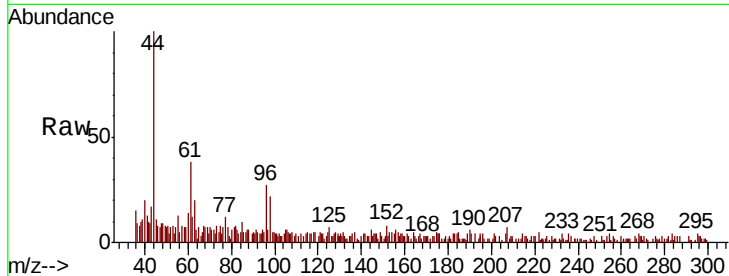




#12
 1,1-Dichloroethene
 Concen: 0.277 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VX015581.D
 Acq: 08 Apr 2020 19:49

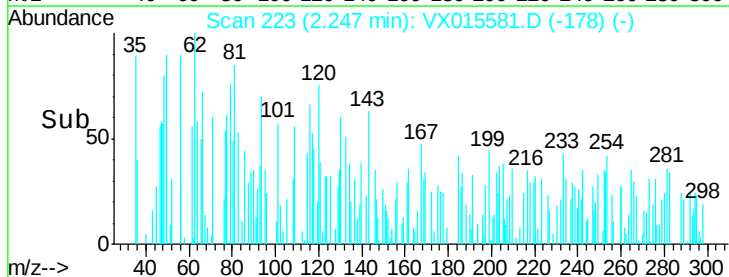
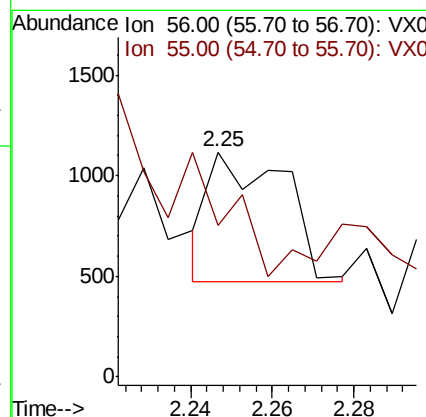
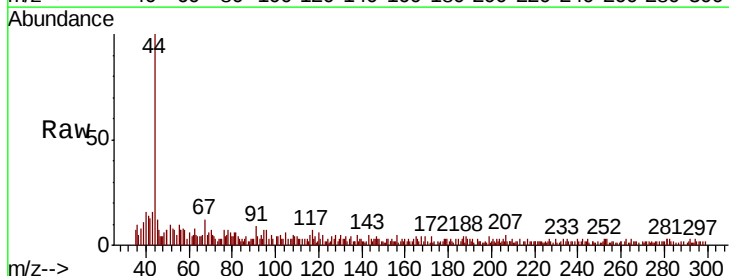
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW311-200407DL

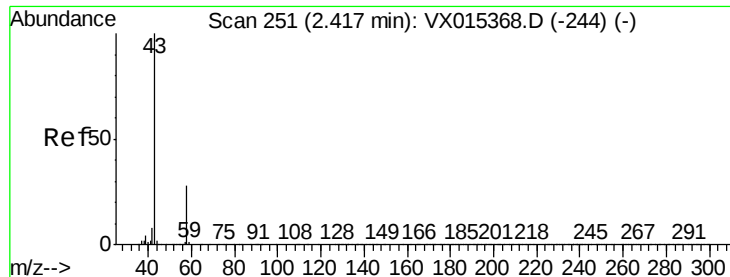
Tot Ion: 96 Resp: 2672
 Ion Ratio Lower Upper
 96 100
 61 136.6 135.7 203.5
 98 81.3 50.6 75.8#



#13
 Acrolein
 Concen: 0.417 ug/l
 RT: 2.25 min Scan# 223
 Delta R.T. -0.02 min
 Lab File: VX015581.D
 Acq: 08 Apr 2020 19:49

Tgt Ion: 56 Resp: 821
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#

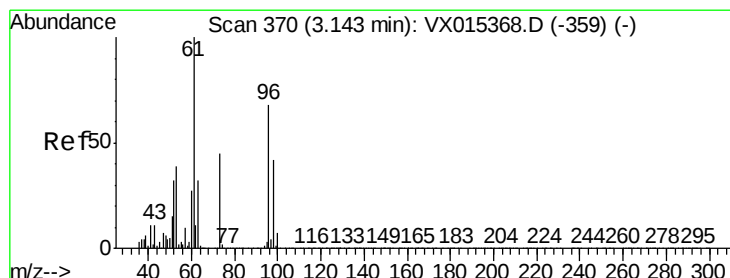
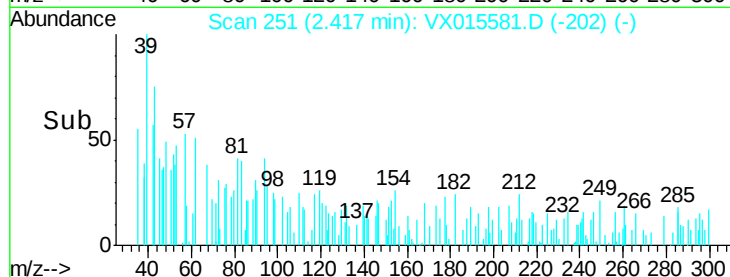
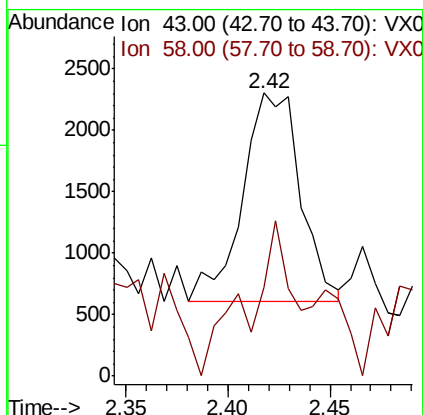
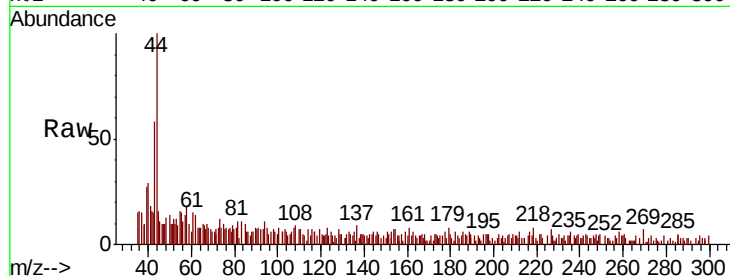




#16
Acetone
Concen: 0.537 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015581.D
Acq: 08 Apr 2020 19:49

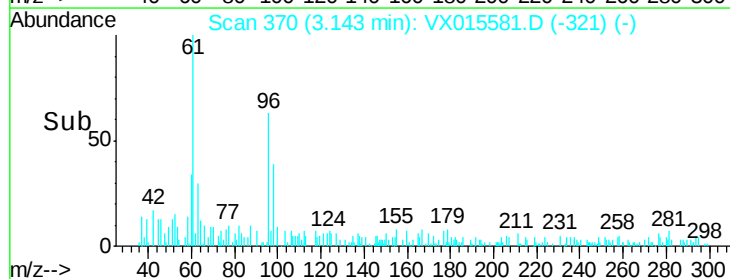
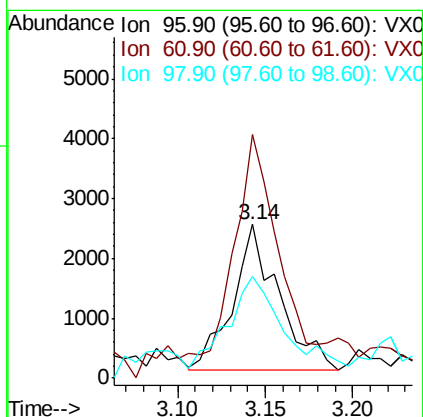
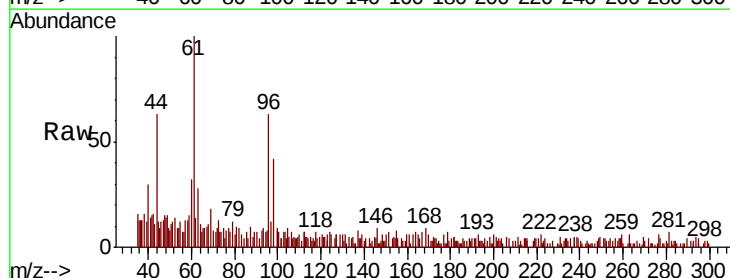
Instrument :
MSVOA_X
ClientSampleId :
SS037MW311-200407DL

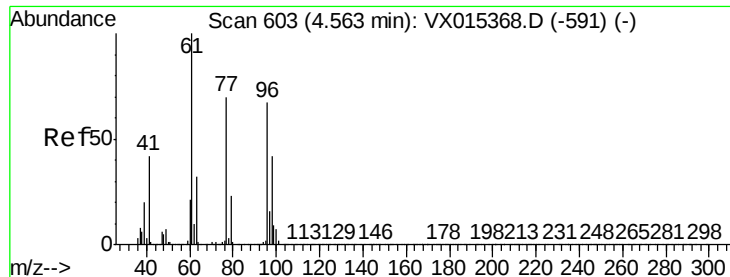
Tot Ion: 43 Resp: 3325
Ion Ratio Lower Upper
43 100
58 23.9 22.1 33.1



#21
trans-1,2-Dichloroethene
Concen: 0.414 ug/l
RT: 3.14 min Scan# 370
Delta R.T. -0.00 min
Lab File: VX015581.D
Acq: 08 Apr 2020 19:49

Tgt Ion: 96 Resp: 4439
Ion Ratio Lower Upper
96 100
61 150.7 116.9 175.3
98 58.6 48.6 73.0



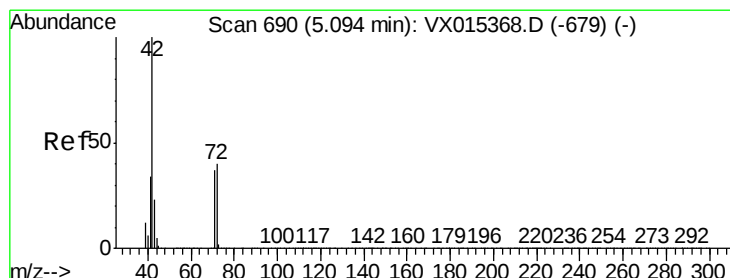
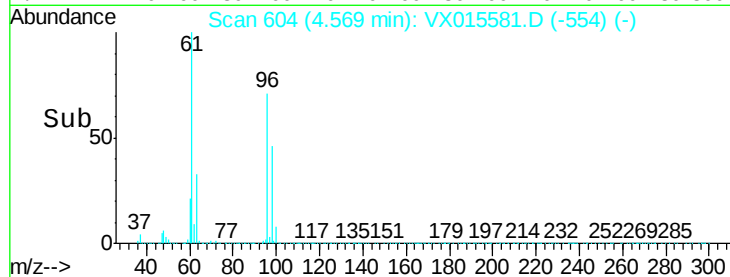
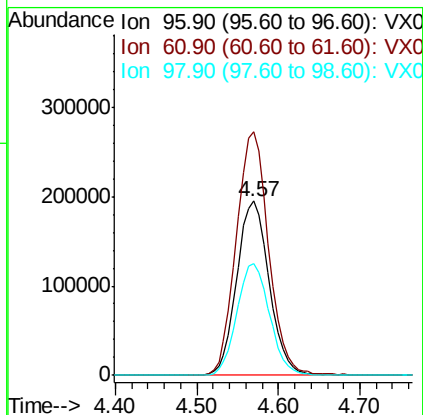
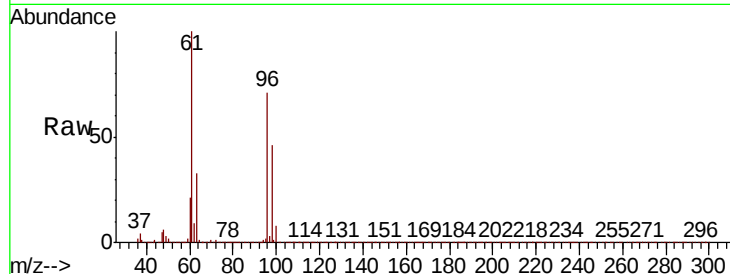


#27

cis-1,2-Dichloroethene
 Concen: 43.359 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VX015581.D
 Acq: 08 Apr 2020 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW311-200407DL

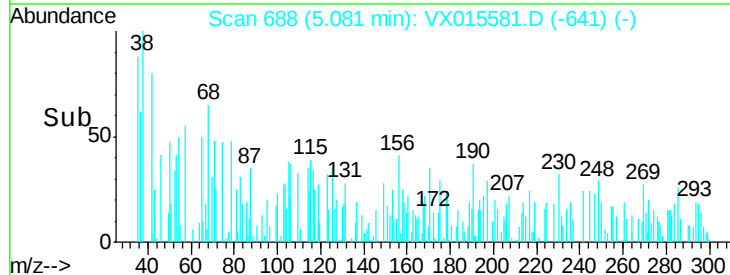
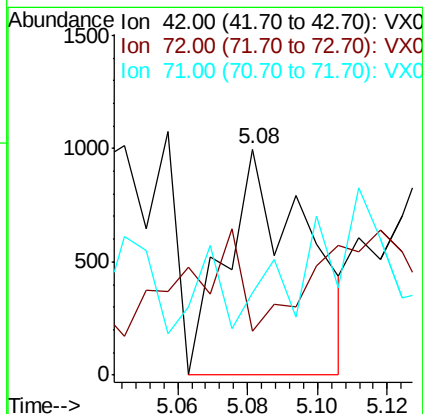
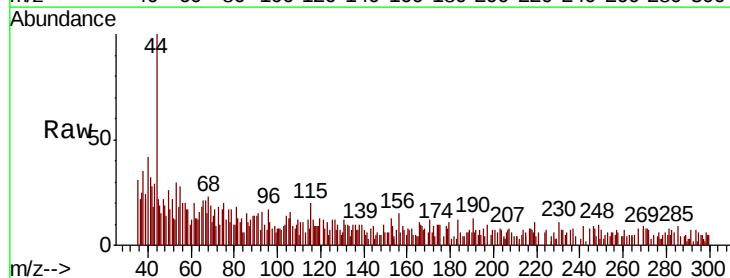
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	308.4
98	64.3	0.0	129.2

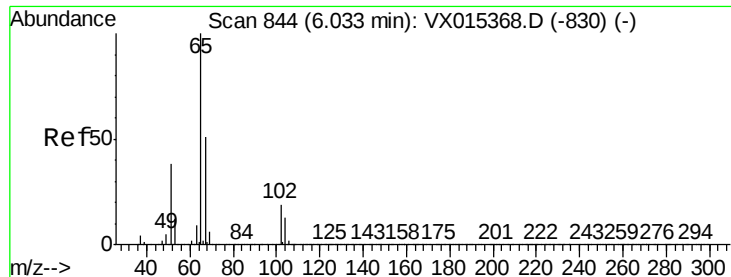


#29

Tetrahydrofuran
 Concen: 0.247 ug/l
 RT: 5.08 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VX015581.D
 Acq: 08 Apr 2020 19:49

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.3	31.7	47.5
71	8.5	29.6	44.4#





#33

1,2-Dichloroethane-d4

Concen: 47.346 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015581.D

Acq: 08 Apr 2020 19:49

Instrument :

MSVOA_X

ClientSampleId :

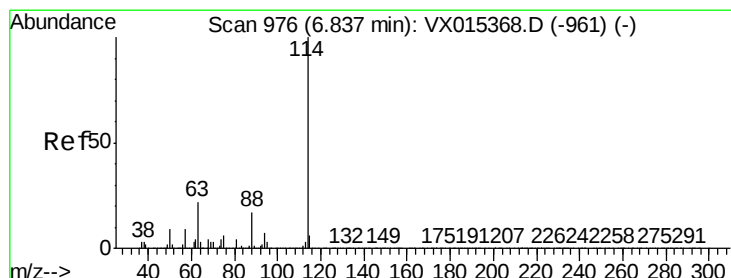
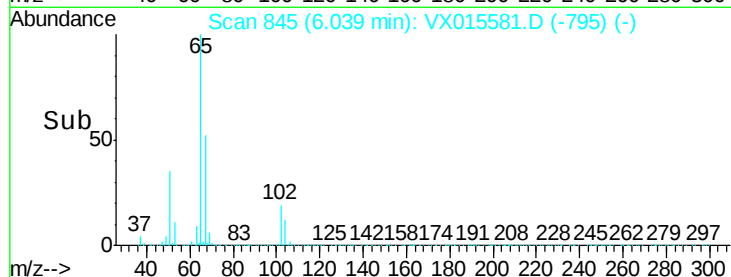
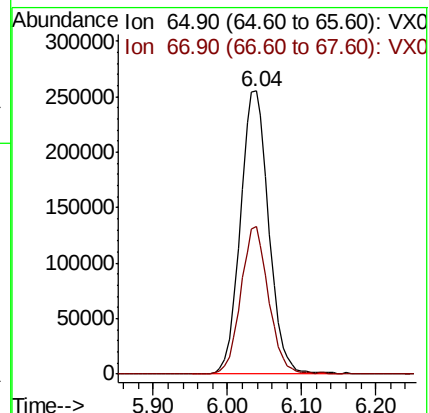
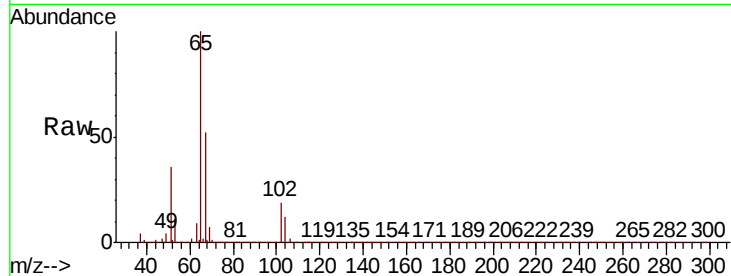
SS037MW311-200407DL

Tot Ion: 65 Resp: 682905

Ion Ratio Lower Upper

65 100

67 50.4 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: VX015581.D

Acq: 08 Apr 2020 19:49

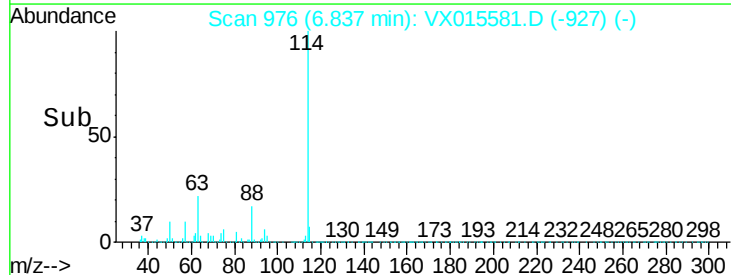
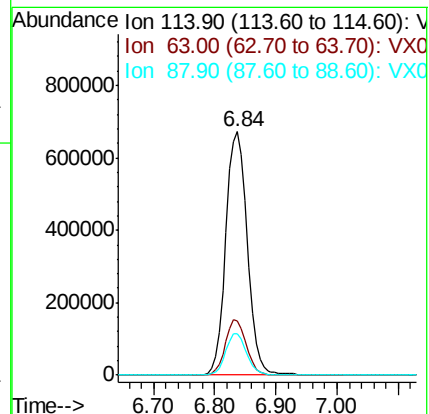
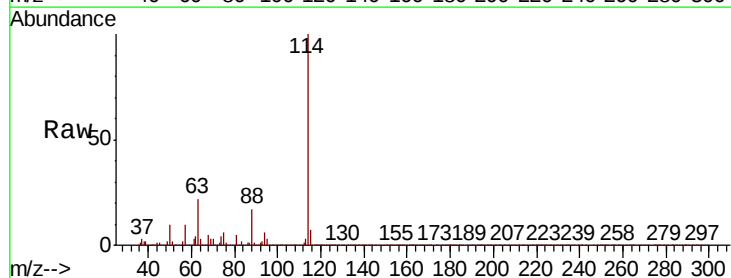
Tgt Ion: 114 Resp: 1641667

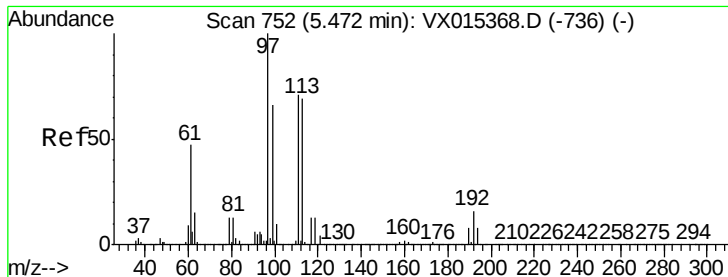
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 17.1 0.0 33.8

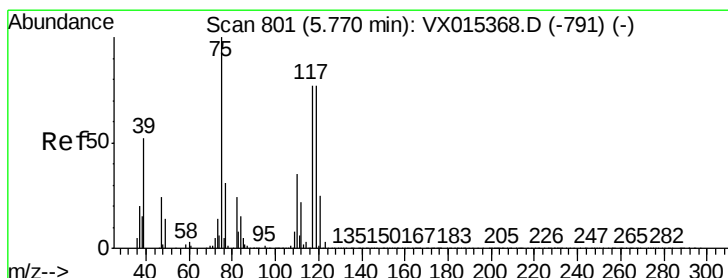
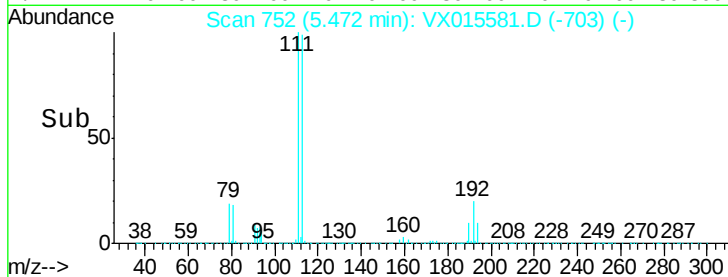
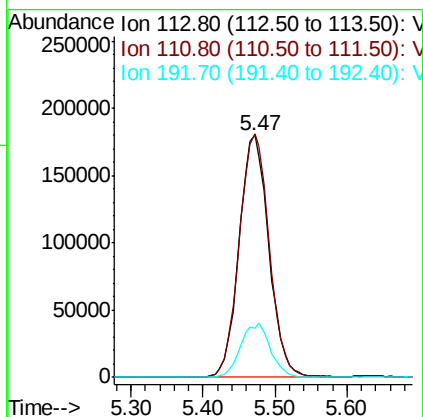
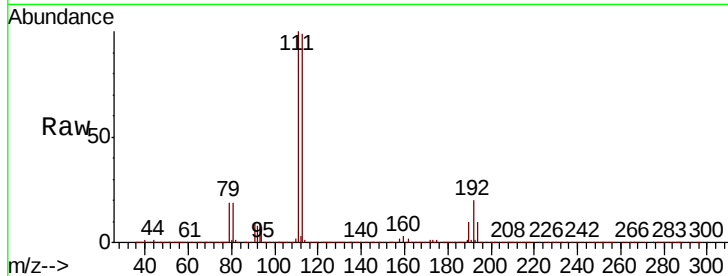




#35
Dibromofluoromethane
Concen: 48.911 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015581.D
Acq: 08 Apr 2020 19:49

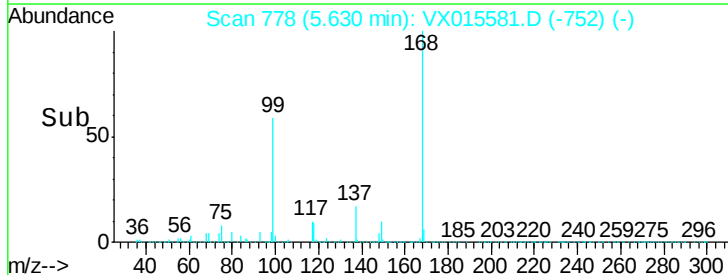
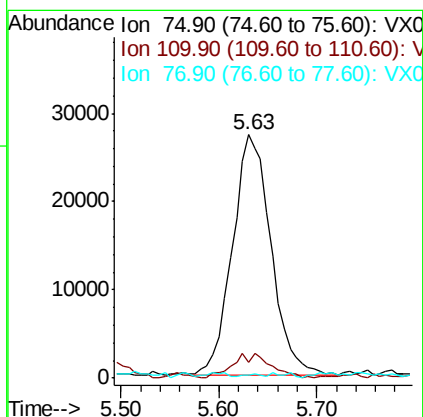
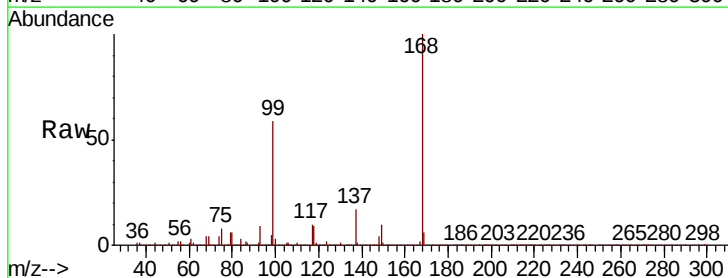
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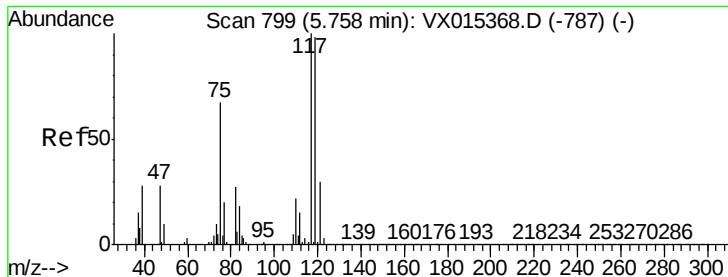
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	22.7	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.918 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015581.D
Acq: 08 Apr 2020 19:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.8	17.1	51.3#
77	0.4	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015581.D

Acq: 08 Apr 2020 19:49

Instrument :

MSVOA_X

ClientSampleId :

SS037MW311-200407DL

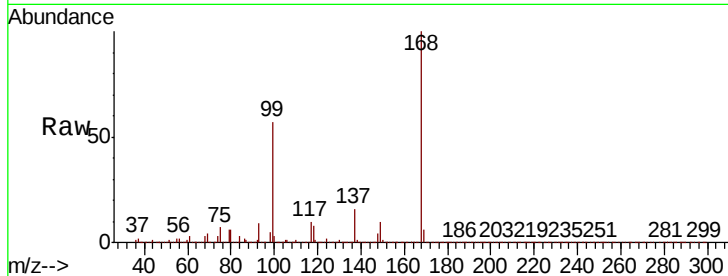
Tot Ion:117 Resp: 97541

Ion Ratio Lower Upper

117 100

119 5.9 78.0 117.0#

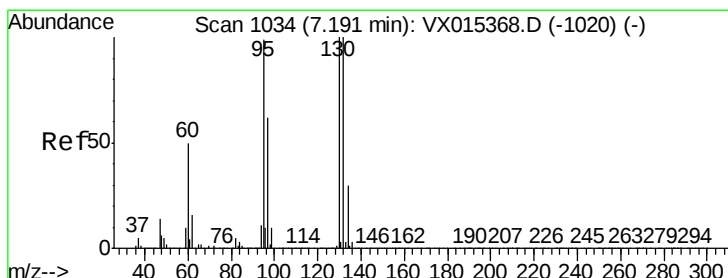
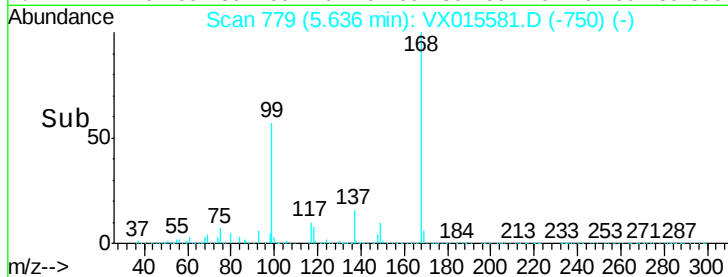
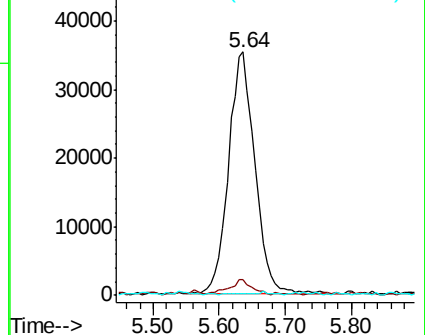
121 0.4 23.8 35.8#



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



#44

Trichloroethene

Concen: 11.971 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015581.D

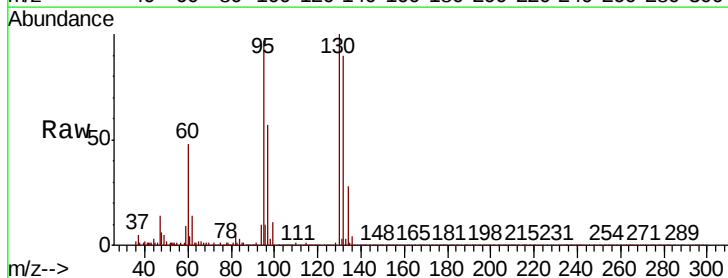
Acq: 08 Apr 2020 19:49

Tgt Ion:130 Resp: 144654

Ion Ratio Lower Upper

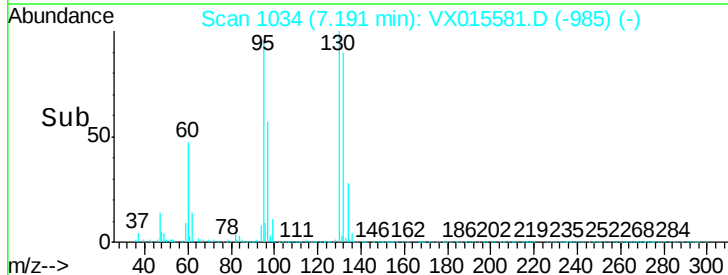
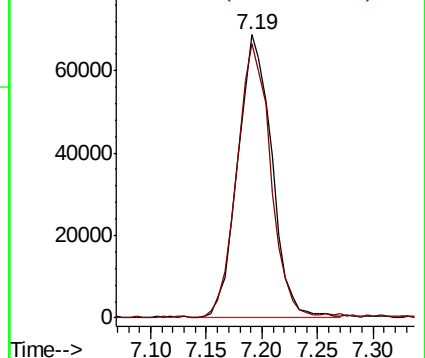
130 100

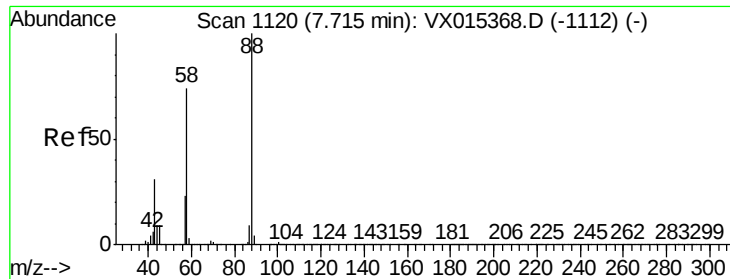
95 97.0 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.333 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.05 min

Lab File: VX015581.D

Acq: 08 Apr 2020 19:49

Instrument :

MSVOA_X

ClientSampleId :

SS037MW311-200407DL

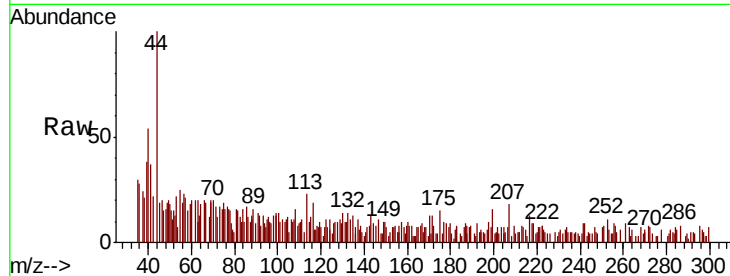
Tot Ion: 88 Resp: 413

Ion Ratio Lower Upper

88 100

43 116.0 30.1 45.1#

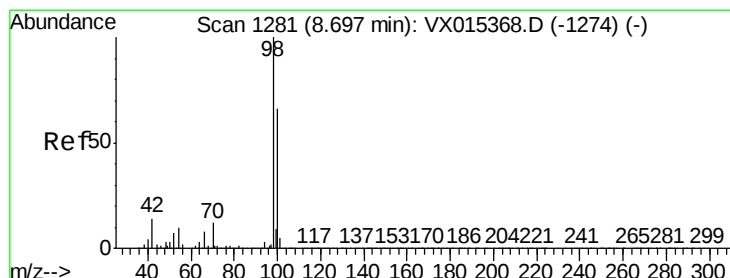
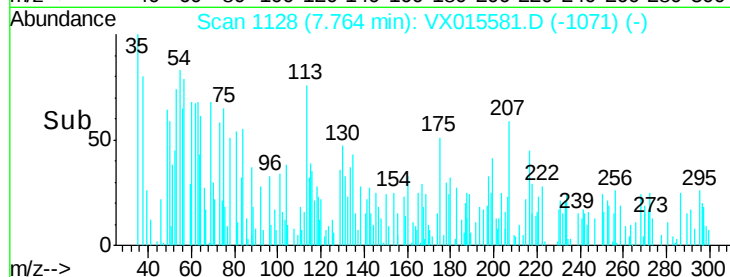
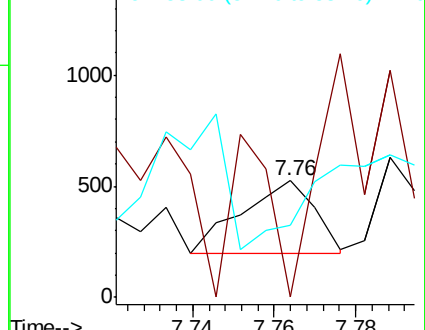
58 123.7 60.6 90.8#



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: 50.609 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015581.D

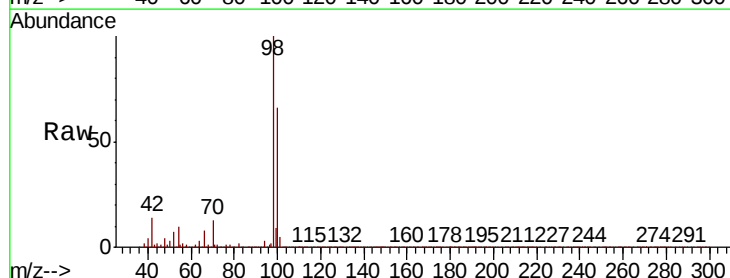
Acq: 08 Apr 2020 19:49

Tgt Ion: 98 Resp: 1955331

Ion Ratio Lower Upper

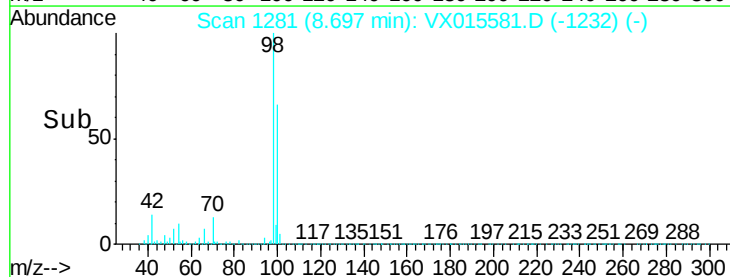
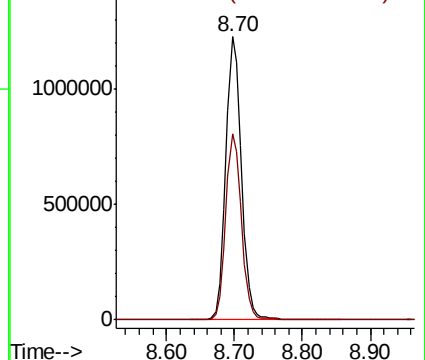
98 100

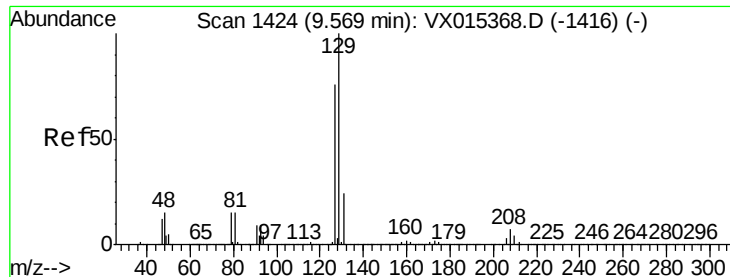
100 66.1 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 9.397 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015581.D

Acq: 08 Apr 2020 19:49

Instrument :

MSVOA_X

ClientSampleId :

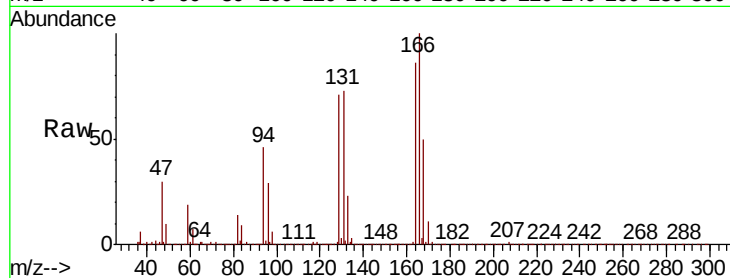
SS037MW311-200407DL

Tot Ion:129 Resp: 126378

Ion Ratio Lower Upper

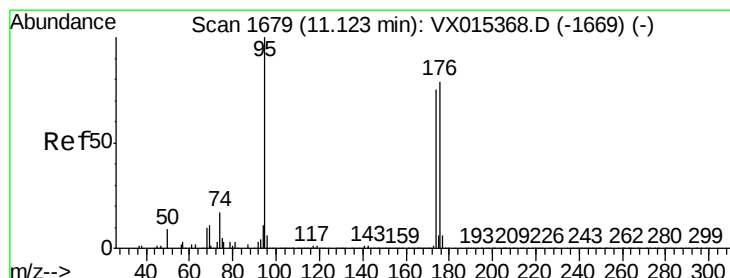
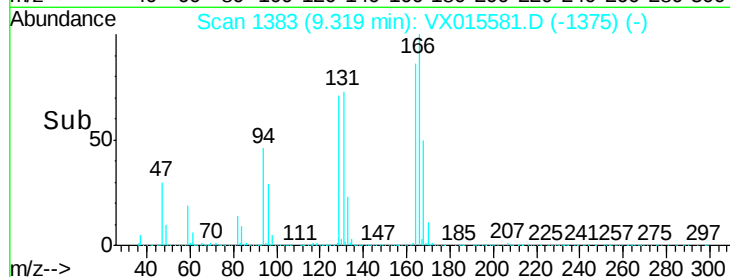
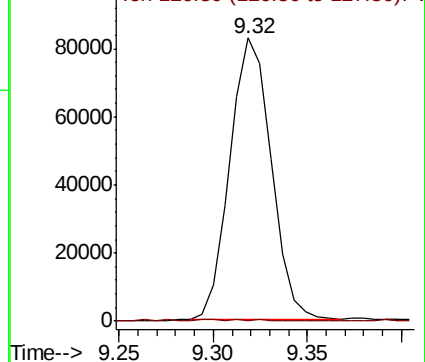
129 100

127 0.1 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 54.249 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015581.D

Acq: 08 Apr 2020 19:49

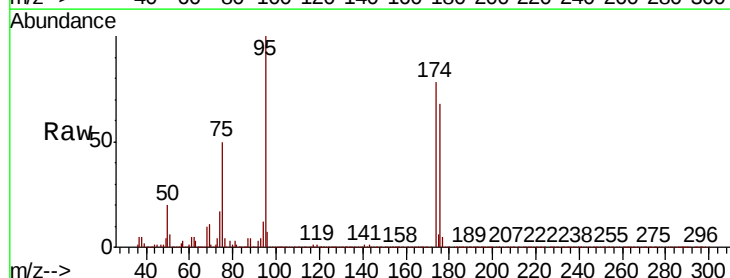
Tgt Ion: 95 Resp: 851802

Ion Ratio Lower Upper

95 100

174 82.4 0.0 158.6

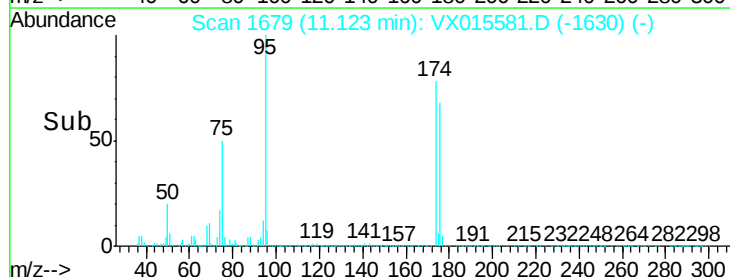
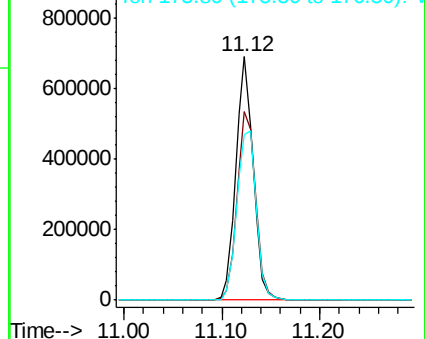
176 77.9 0.0 159.0

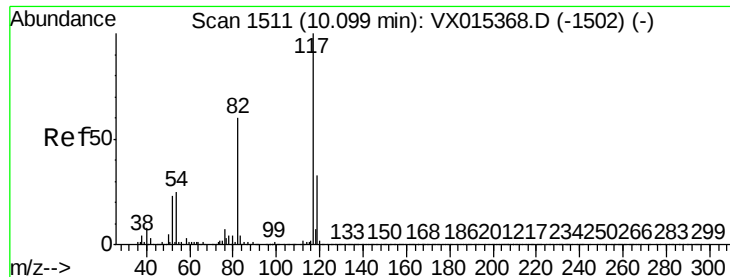


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

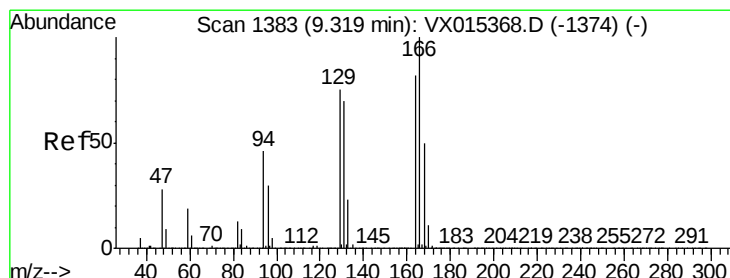
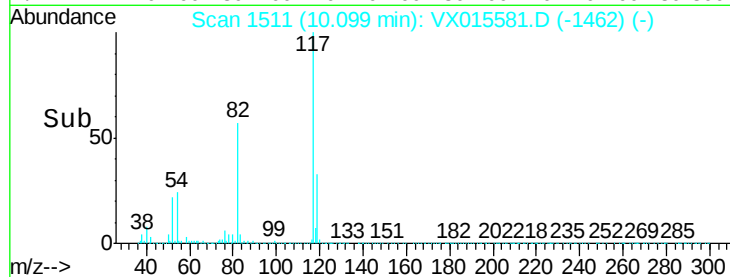
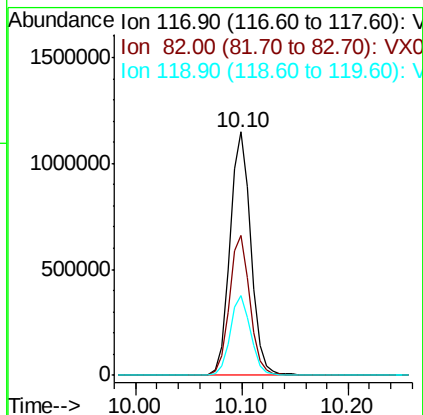
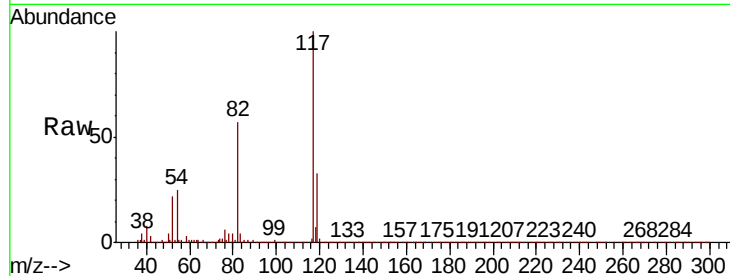




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015581.D
Acq: 08 Apr 2020 19:49

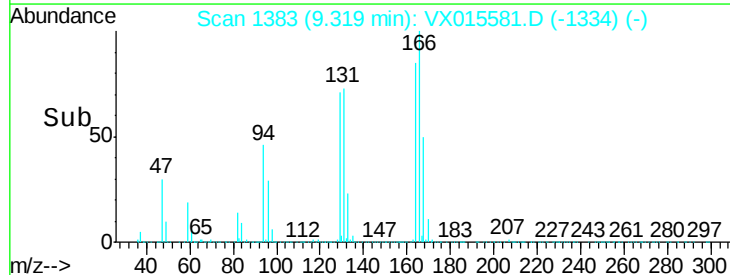
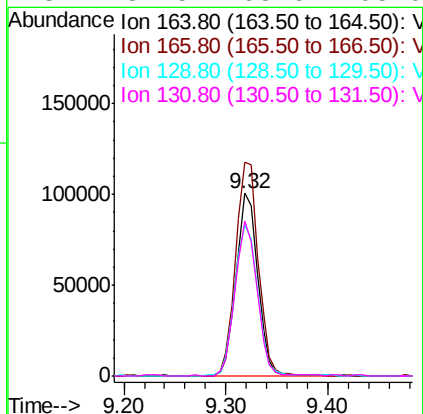
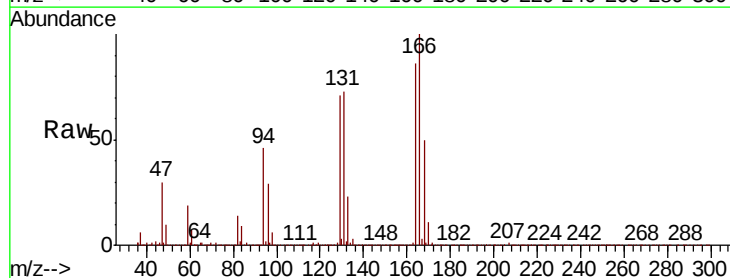
Instrument :
MSVOA_X
ClientSampleId :
SS037MW311-200407DL

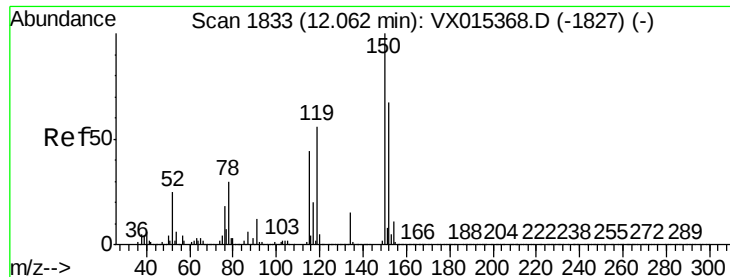
Tot Ion:117 Resp: 1578748
Ion Ratio Lower Upper
117 100
82 57.3 47.8 71.8
119 32.9 26.8 40.2



#64
Tetrachloroethene
Concen: 12.434 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015581.D
Acq: 08 Apr 2020 19:49

Tgt Ion:164 Resp: 148143
Ion Ratio Lower Upper
164 100
166 116.6 97.8 146.6
129 82.3 73.0 109.4
131 84.5 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: VX015581.D

Acq: 08 Apr 2020 19:49

Instrument :

MSVOA_X

ClientSampleId :

SS037MW311-200407DL

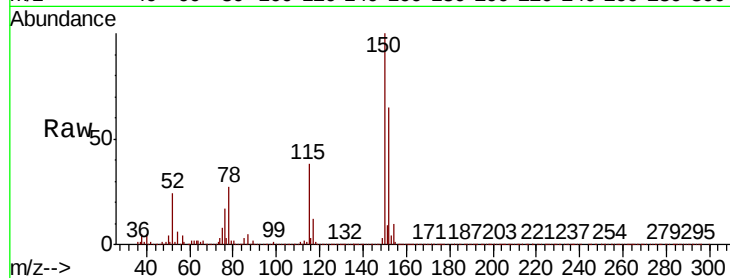
Tot Ion:152 Resp: 886138

Ion Ratio Lower Upper

152 100

115 56.9 39.0 116.9

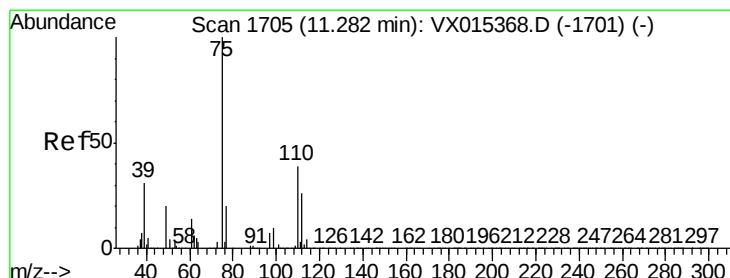
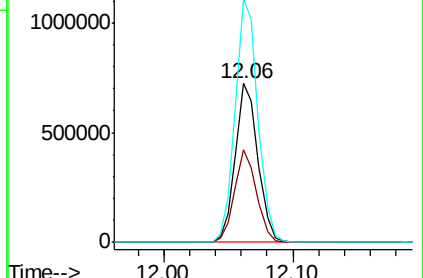
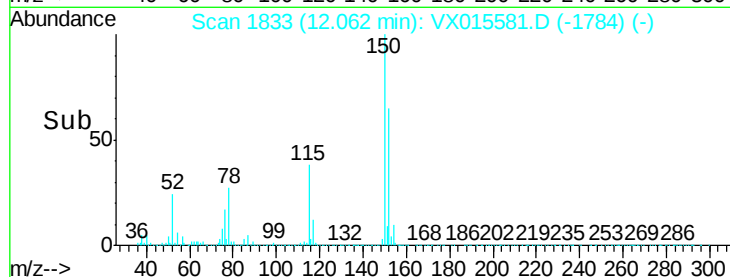
150 154.0 0.0 340.8



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: 24.160 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015581.D

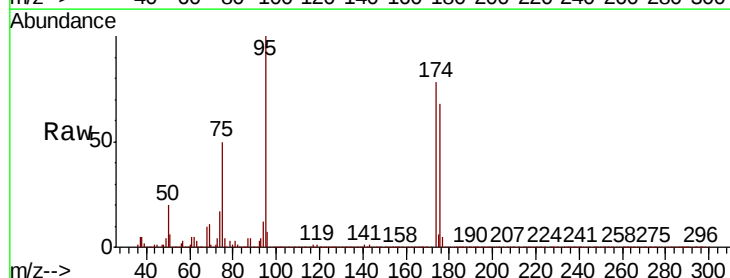
Acq: 08 Apr 2020 19:49

Tgt Ion: 75 Resp: 440257

Ion Ratio Lower Upper

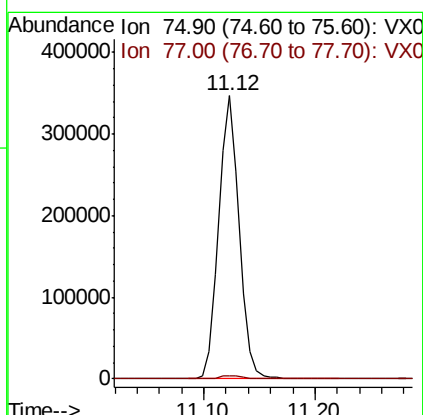
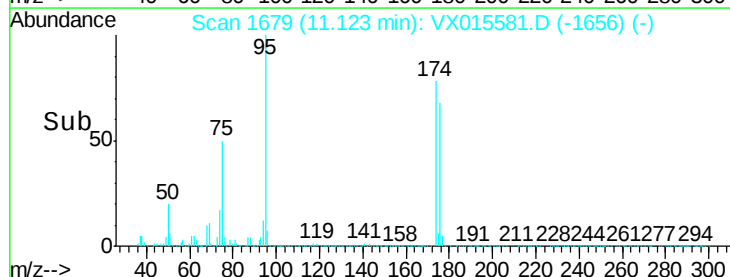
75 100

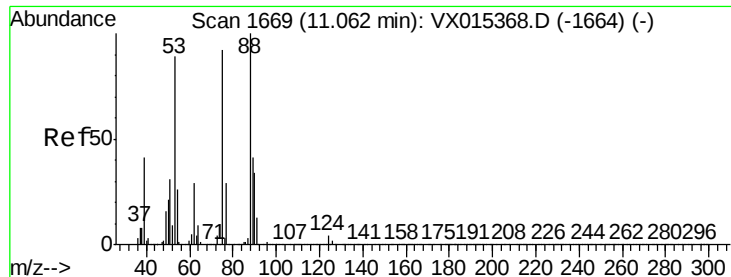
77 1.1 21.2 63.6#



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: 57.970 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015581.D

Acq: 08 Apr 2020 19:49

Instrument :

MSVOA_X

ClientSampleId :

SS037MW311-200407DL

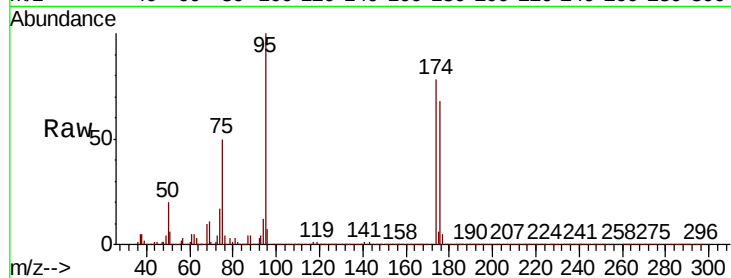
Tot Ion: 75 Resp: 440257

Ion Ratio Lower Upper

75 100

53 0.1 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

