

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120418\
 Data File : VX006284.D
 Acq On : 04 Dec 2018 17:48
 Operator : JC/MD
 Sample : J6232-02DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0644DL

Quant Time: Dec 05 00:32:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	834614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1247062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1144653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	565310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	407134	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
35) Dibromofluoromethane	5.50	113	396909	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	8.71	98	1469411	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.13	95	539779	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

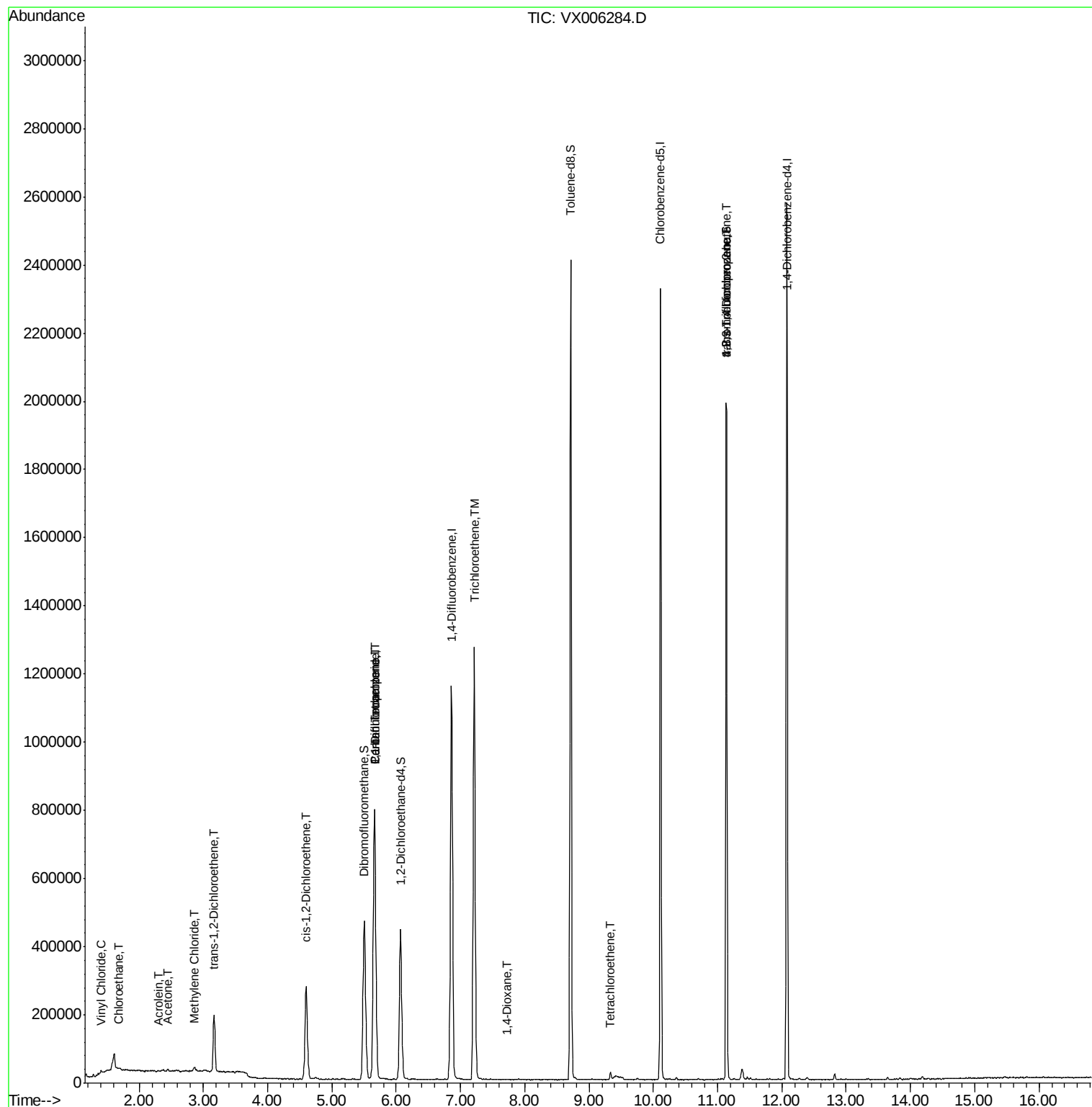
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	5389	0.596	ug/l	95
6) Chloroethane	1.69	64	1264	0.228	ug/l #	42
13) Acrolein	2.29	56	372	0.292	ug/l #	1
16) Acetone	2.45	43	7004	1.752	ug/l #	87
20) Methylene Chloride	2.86	84	6988	0.821	ug/l #	83
21) trans-1,2-Dichloroethene	3.17	96	69514	8.637	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	187426	20.878	ug/l	88
36) 1,1-Dichloropropene	5.67	75	51141	4.870	ug/l #	49
38) Carbon Tetrachloride	5.66	117	74744	6.050	ug/l #	17
44) Trichloroethene	7.21	130	517692	54.331	ug/l	97
49) 1,4-Dioxane	7.73	88	69	0.293	ug/l #	1
64) Tetrachloroethene	9.34	164	1960	0.227	ug/l #	84
76) 1,2,3-Trichloropropane	11.13	75	248582	22.782	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	248582	53.463	ug/l #	15

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

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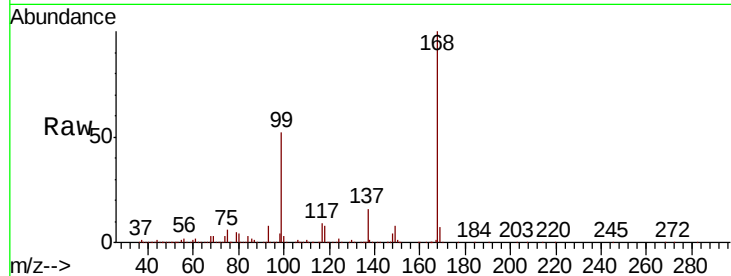


#1

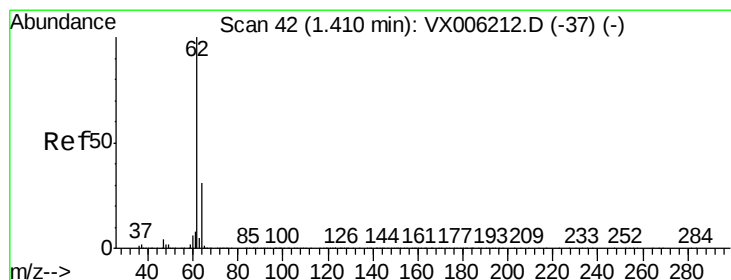
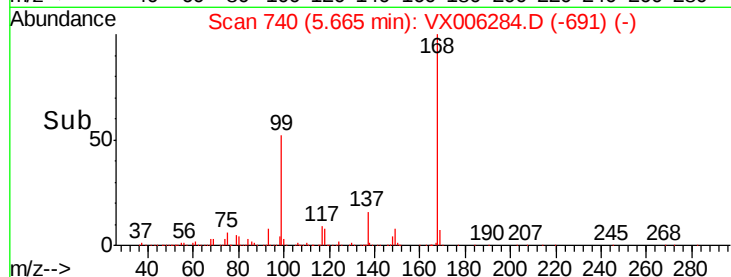
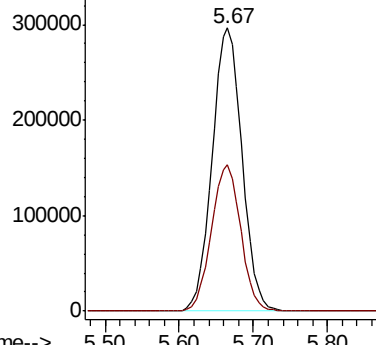
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VX006284.D
 Acq: 04 Dec 2018 17:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0644DL

Tot Ion:168 Resp: 834614
 Ion Ratio Lower Upper
 168 100
 99 51.9 37.8 56.8



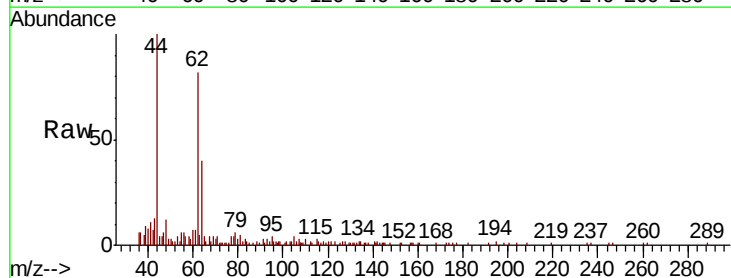
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



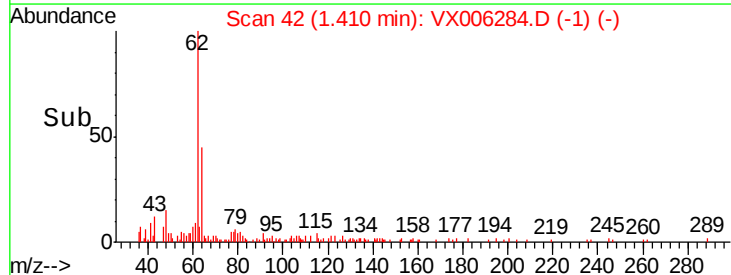
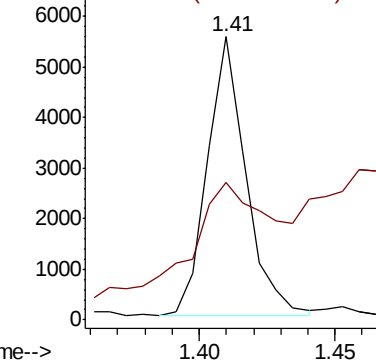
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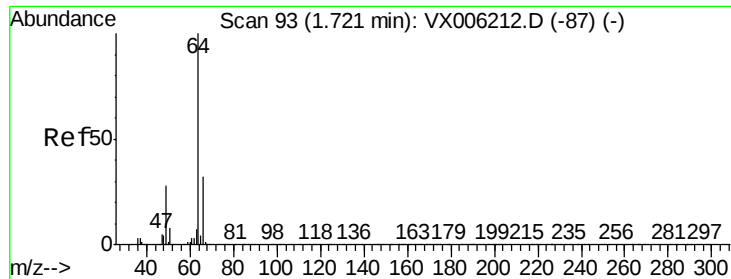
Vinyl Chloride
 Concen: 0.596 ug/l
 RT: 1.41 min Scan# 42
 Delta R.T. 0.00 min
 Lab File: VX006284.D
 Acq: 04 Dec 2018 17:48

Tgt Ion: 62 Resp: 5389
 Ion Ratio Lower Upper
 62 100
 64 33.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0
 Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 0.228 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.03 min

Lab File: VX006284.D

Acq: 04 Dec 2018 17:48

Instrument :

MSVOA_X

ClientSampleID :

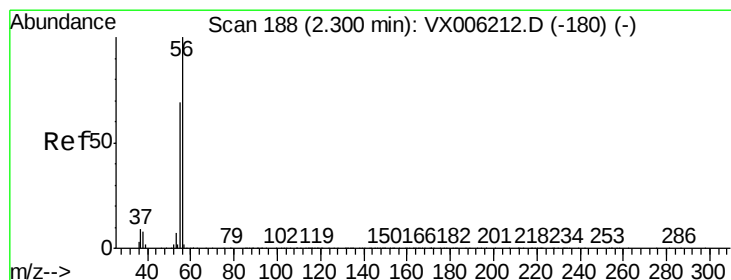
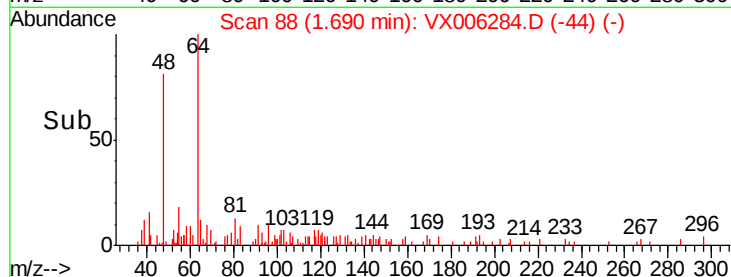
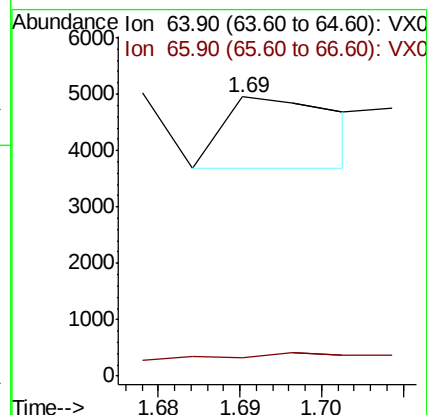
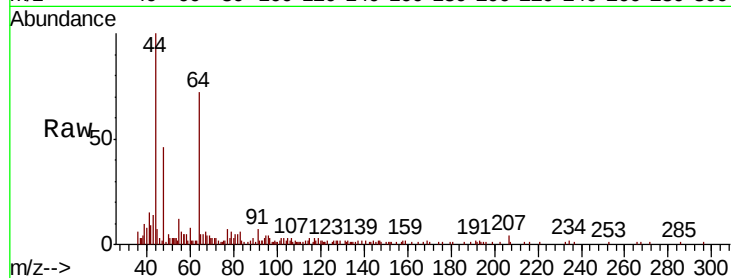
S32-0644DL

Tot Ion: 64 Resp: 1264

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



#13

Acrolein

Concen: 0.292 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006284.D

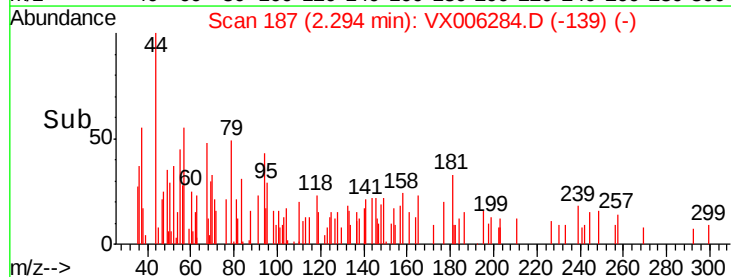
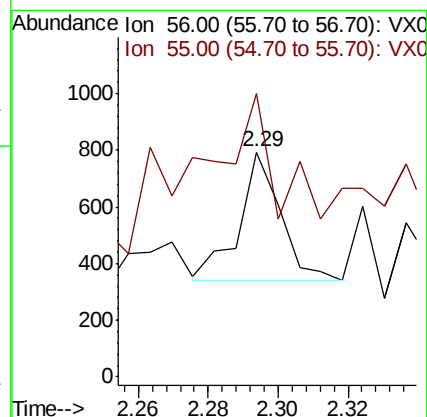
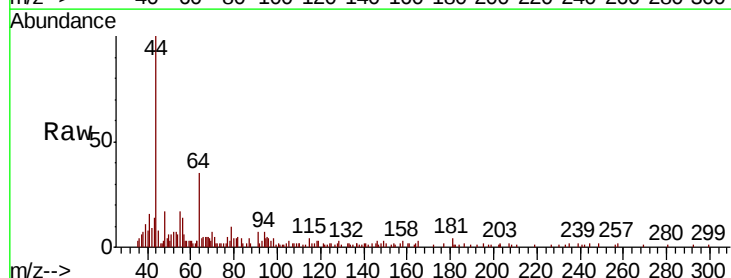
Acq: 04 Dec 2018 17:48

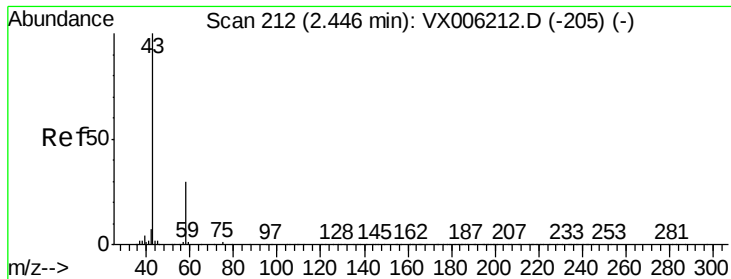
Tgt Ion: 56 Resp: 372

Ion Ratio Lower Upper

56 100

55 265.3 57.8 86.6#





#16

Acetone

Concen: 1.752 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006284.D

Acq: 04 Dec 2018 17:48

Instrument :

MSVOA_X

ClientSampled :

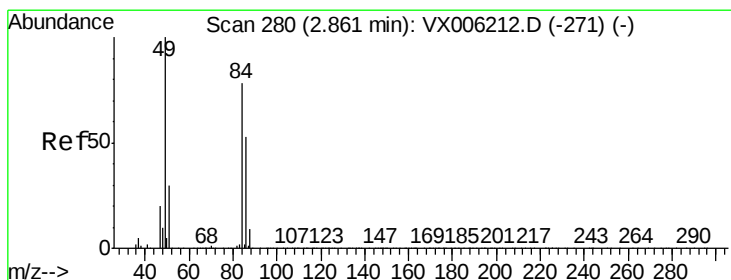
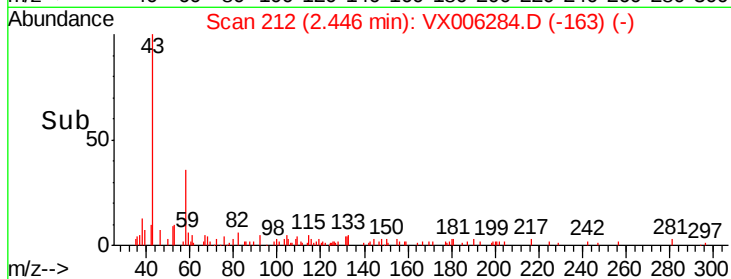
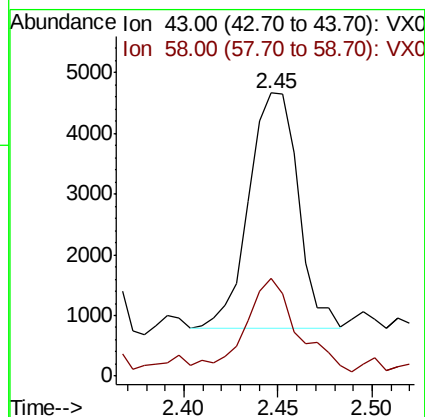
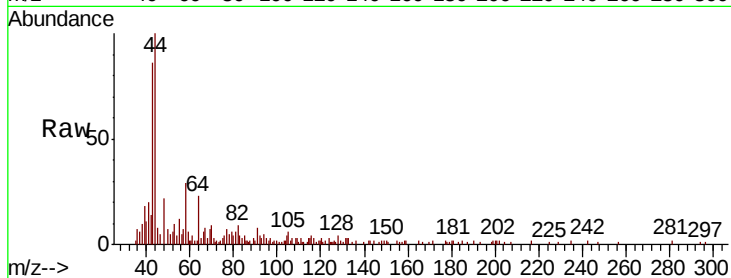
S32-0644DL

Tot Ion: 43 Resp: 7004

Ion Ratio Lower Upper

43 100

58 37.0 24.0 36.0#



#20

Methylene Chloride

Concen: 0.821 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006284.D

Acq: 04 Dec 2018 17:48

Tgt Ion: 84 Resp: 6988

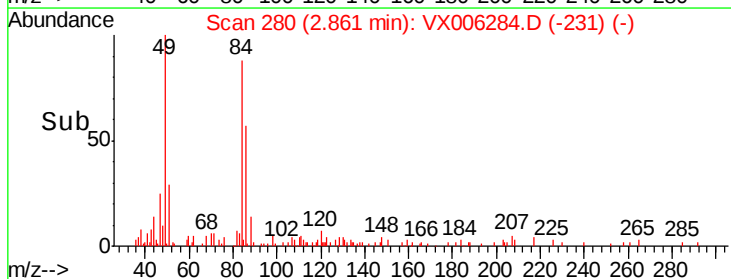
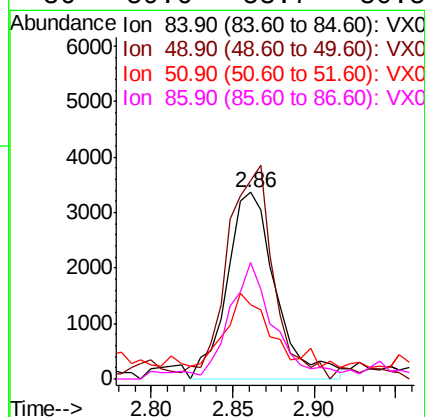
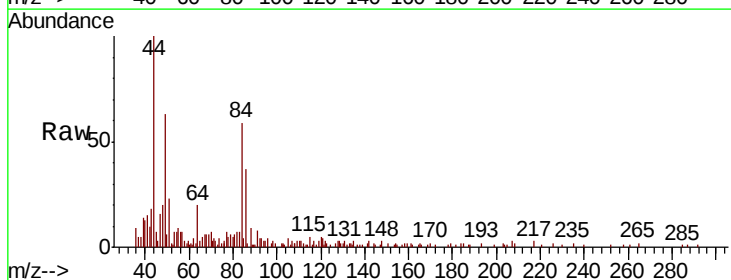
Ion Ratio Lower Upper

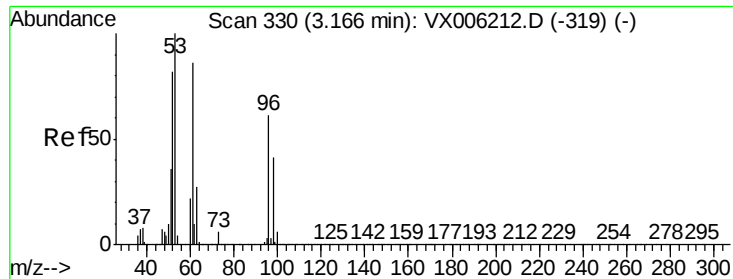
84 100

49 100.1 102.2 153.4#

51 33.1 31.1 46.7

86 59.6 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 8.637 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006284.D

Acq: 04 Dec 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

S32-0644DL

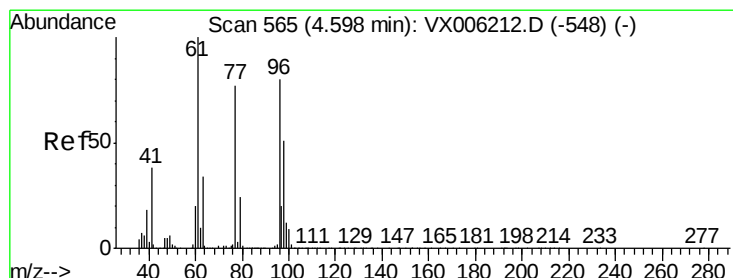
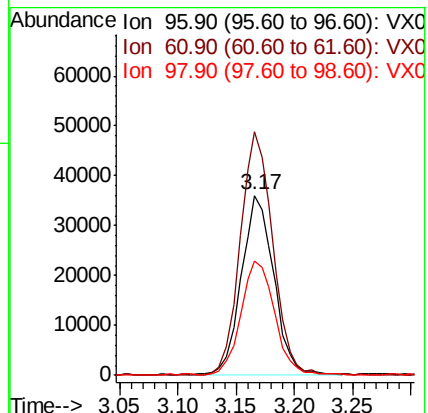
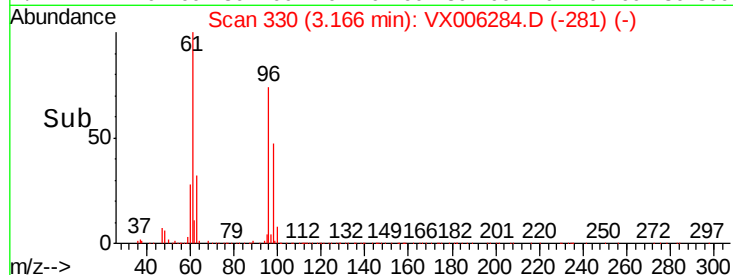
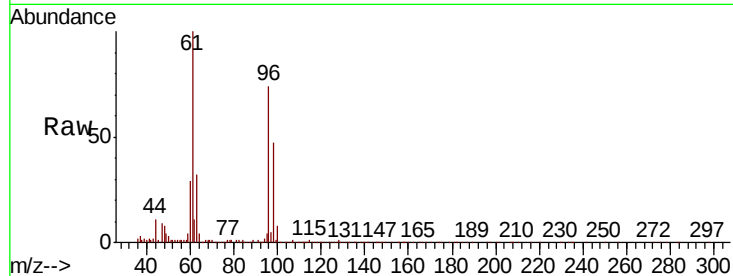
Tot Ion: 96 Resp: 69514

Ion Ratio Lower Upper

96 100

61 135.5 113.3 169.9

98 63.1 53.2 79.8



#27

cis-1,2-Dichloroethene

Concen: 20.878 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX006284.D

Acq: 04 Dec 2018 17:48

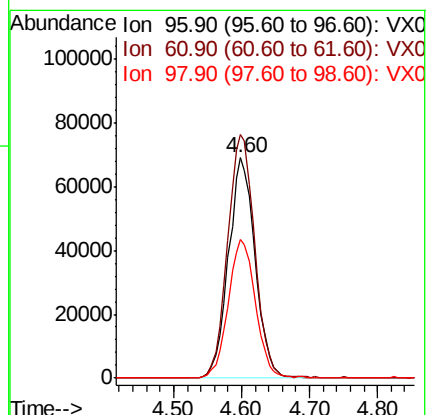
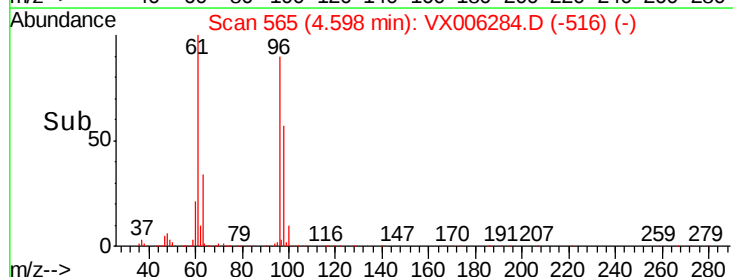
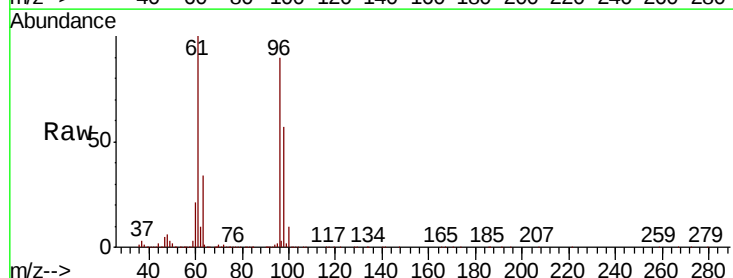
Tgt Ion: 96 Resp: 187426

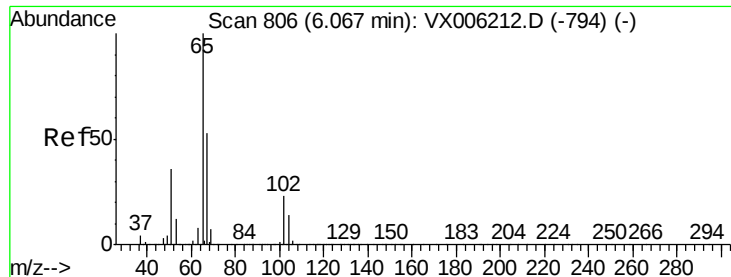
Ion Ratio Lower Upper

96 100

61 112.6 0.0 265.0

98 64.0 0.0 130.2





#33

1,2-Dichloroethane-d4

Concen: 47.785 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006284.D

Acq: 04 Dec 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

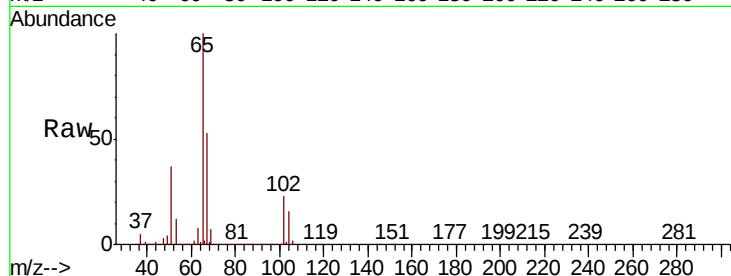
S32-0644DL

Tot Ion: 65 Resp: 407134

Ion Ratio Lower Upper

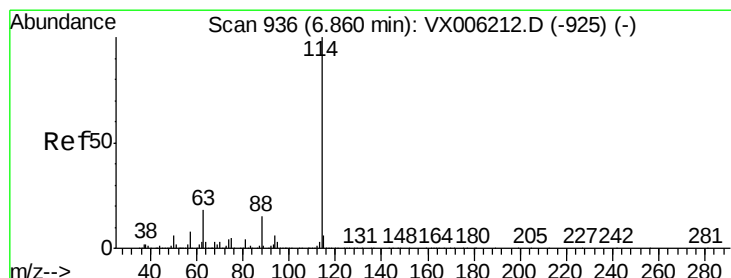
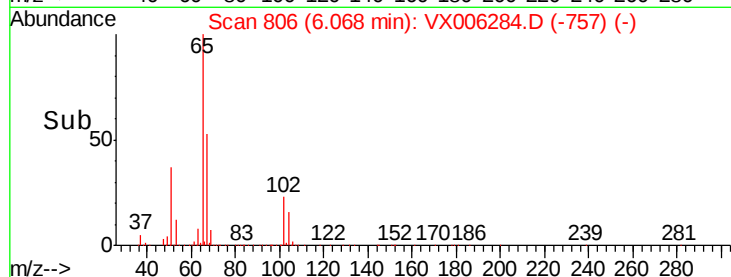
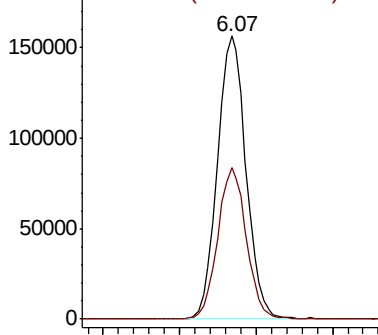
65 100

67 53.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006284.D

Acq: 04 Dec 2018 17:48

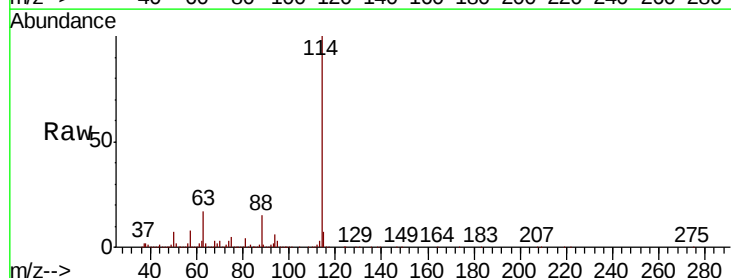
Tgt Ion: 114 Resp: 1247062

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.6

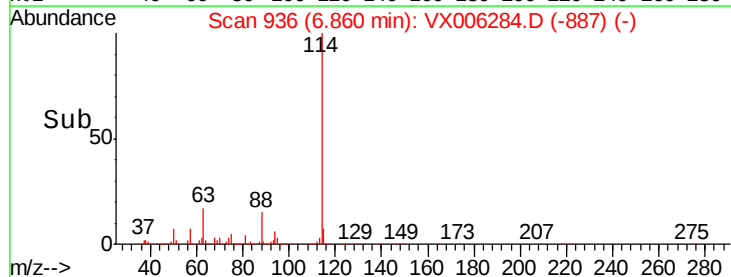
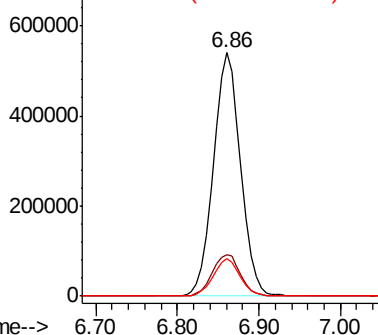
88 15.2 0.0 29.0

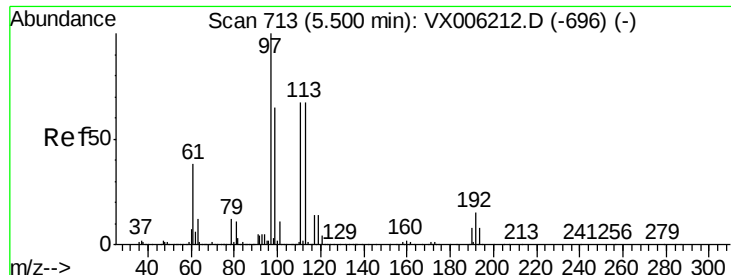


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

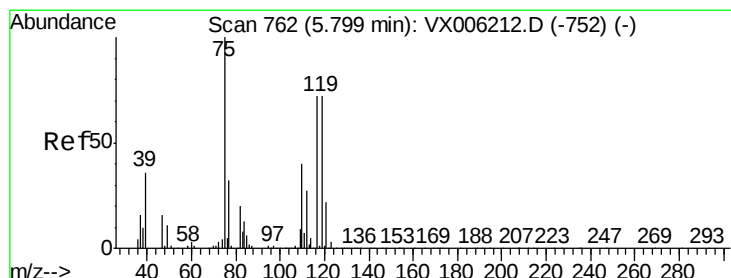
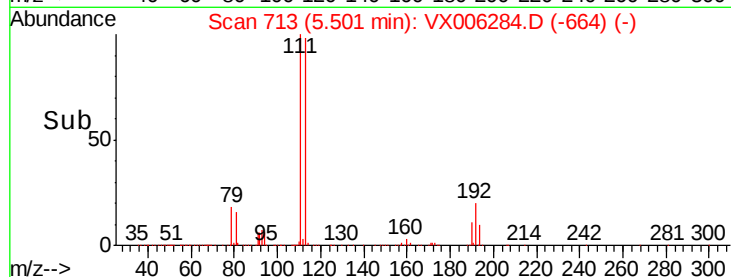
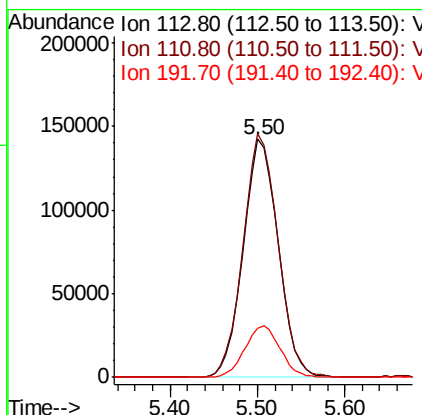
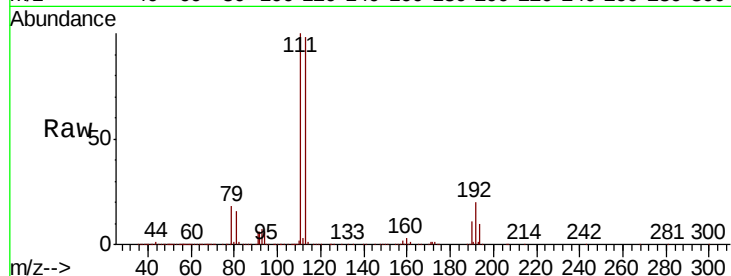




#35
Dibromofluoromethane
Concen: 49.157 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

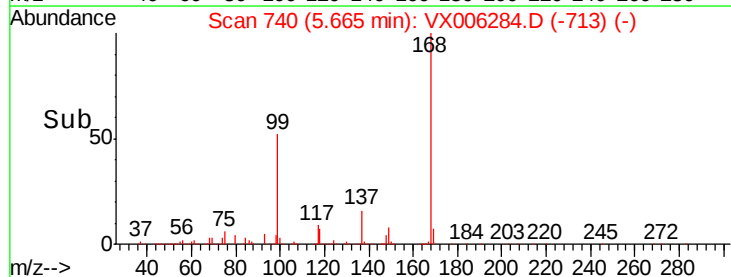
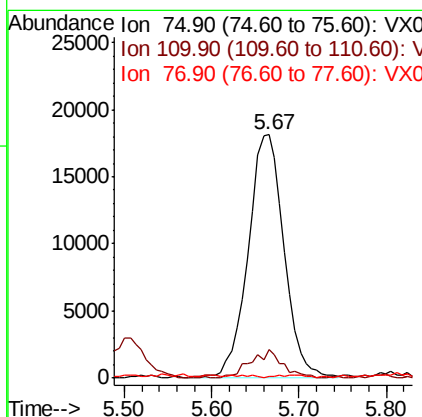
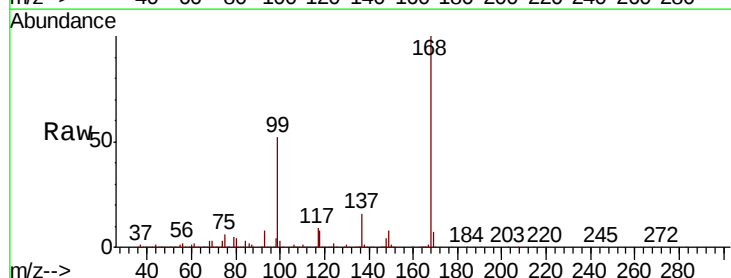
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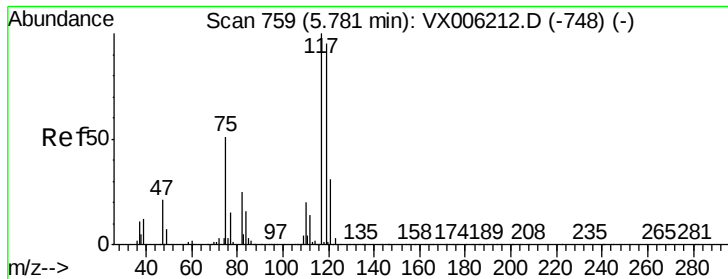
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	22.0	18.2	27.2



#36
1,1-Dichloropropene
Concen: 4.870 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	20.4	61.3#
77	0.3	24.9	37.3#

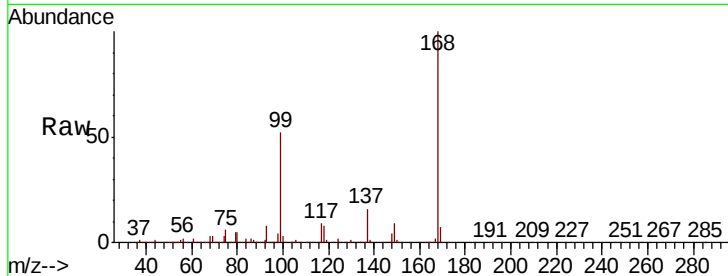




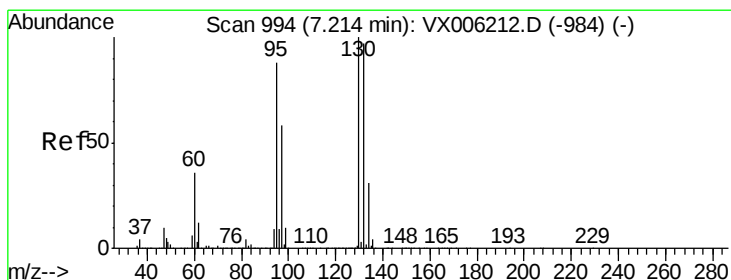
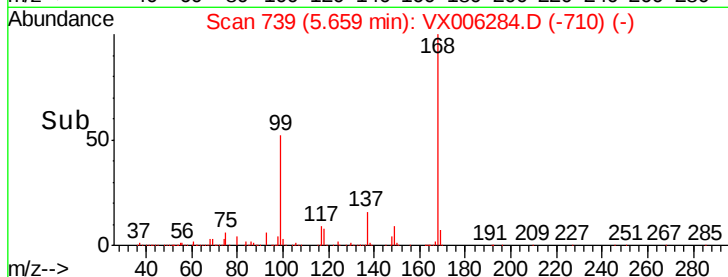
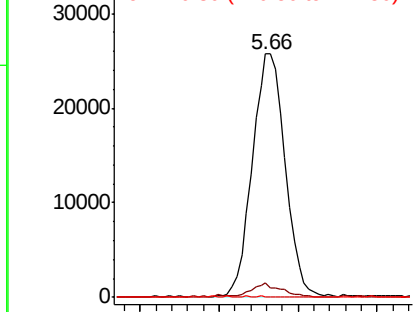
#38
Carbon Tetrachloride
Concen: 6.050 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
S32-0644DL

Tot Ion:117 Resp: 74744
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#

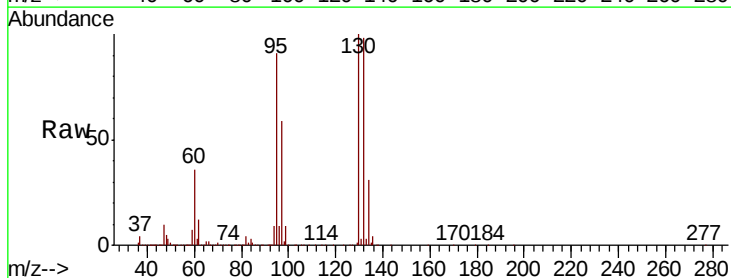


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

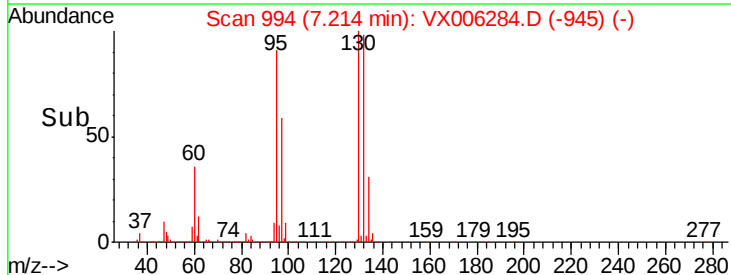
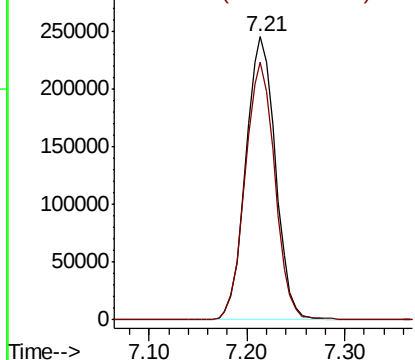


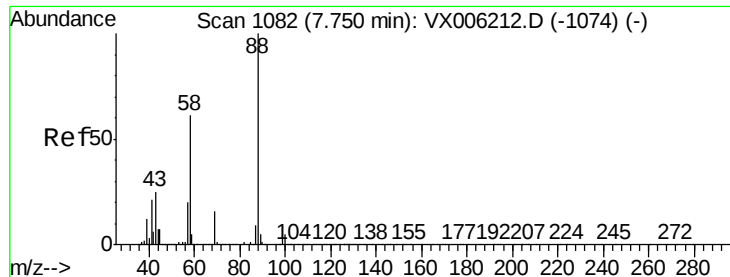
#44
Trichloroethene
Concen: 54.331 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

Tgt Ion:130 Resp: 517692
Ion Ratio Lower Upper
130 100
95 91.1 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

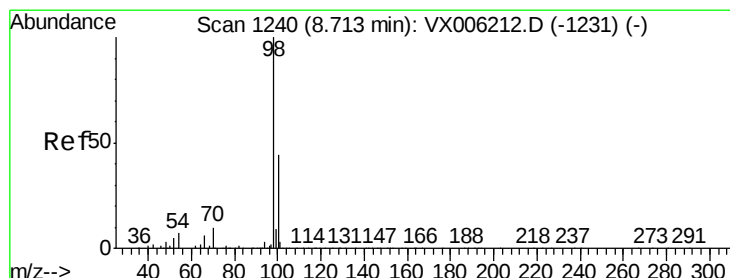
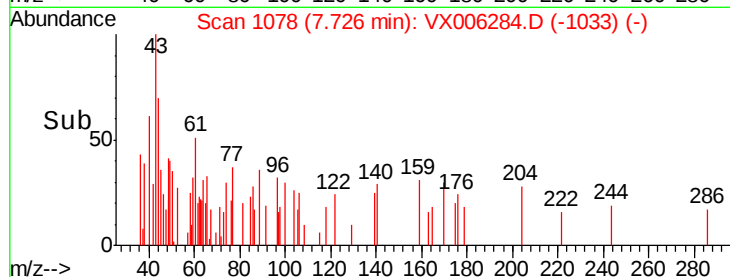
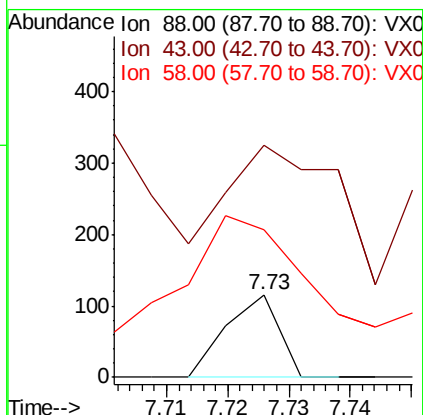
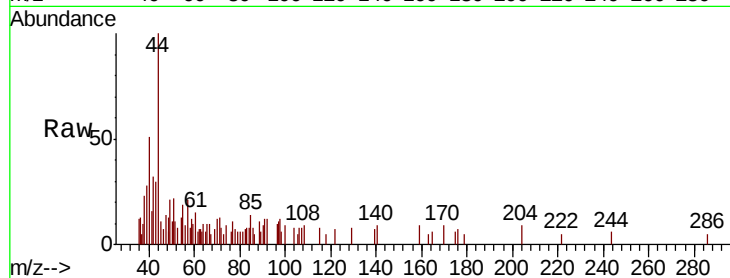




#49
1,4-Dioxane
Concen: 0.293 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

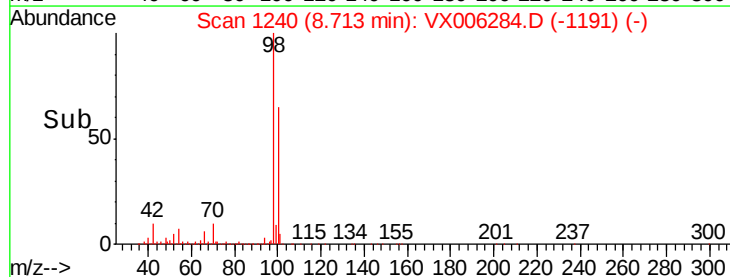
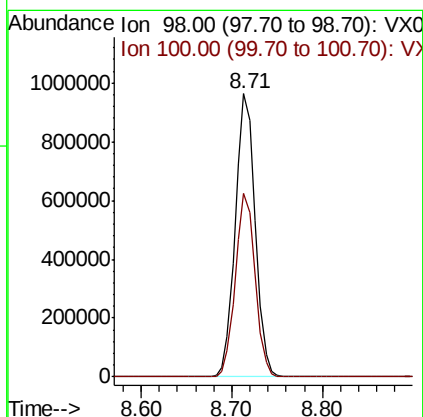
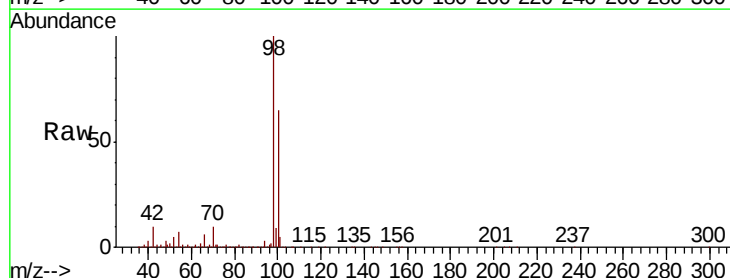
Instrument :
MSVOA_X
ClientSampled :
S32-0644DL

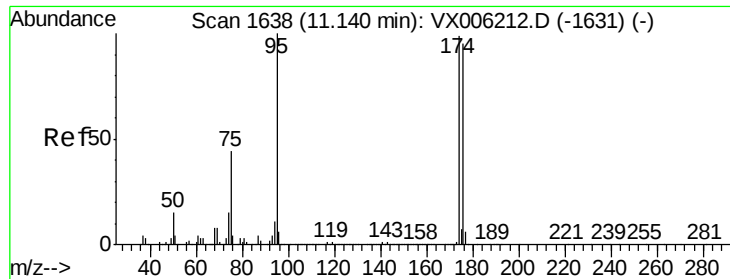
Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 343.5 23.2 34.8#
58 549.3 51.4 77.0#



#50
Toluene-d8
Concen: 50.032 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

Tgt Ion: 98 Resp: 1469411
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2

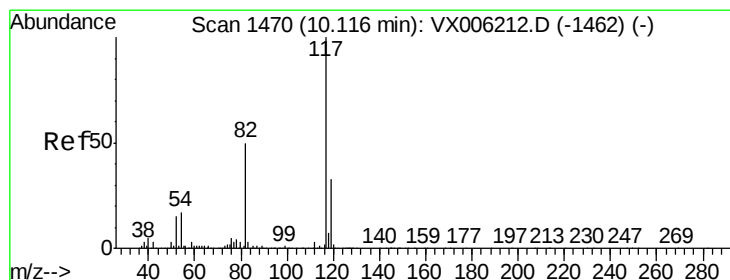
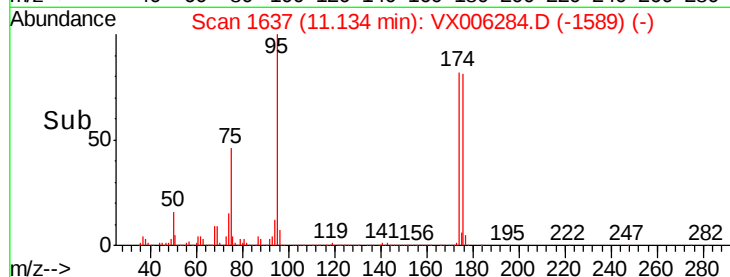
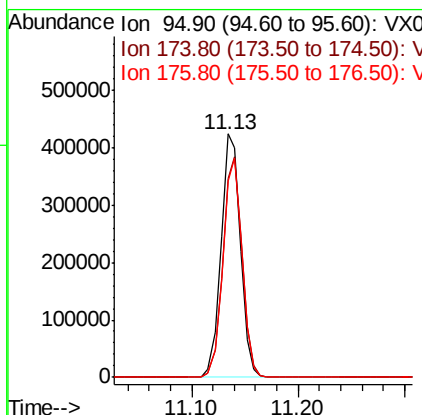
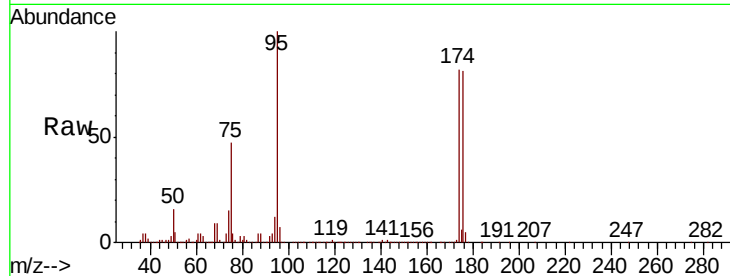




#62
4-Bromofluorobenzene
Concen: 48.773 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

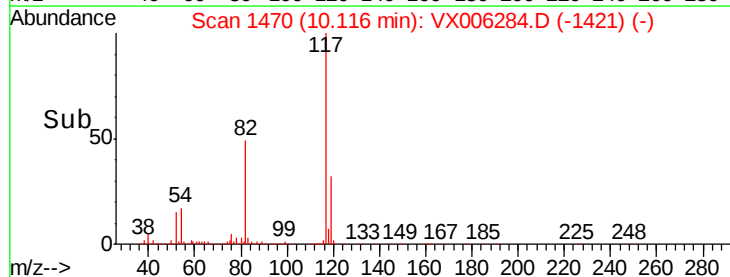
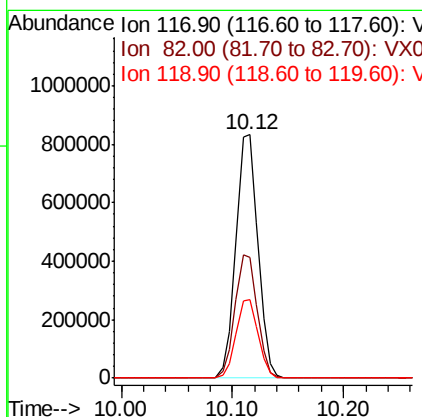
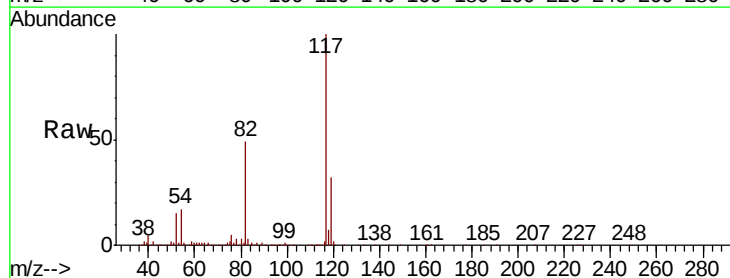
Instrument :
MSVOA_X
ClientSampled :
S32-0644DL

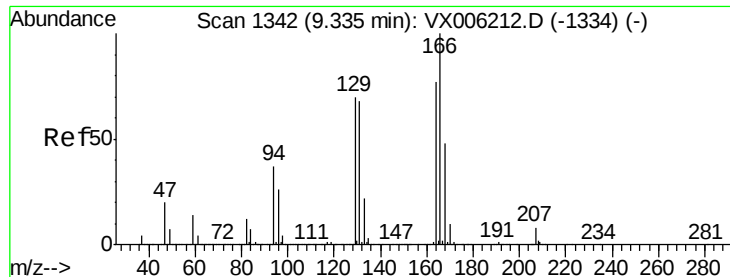
Tot Ion: 95 Resp: 539779
Ion Ratio Lower Upper
95 100
174 89.8 0.0 187.0
176 88.7 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

Tgt Ion: 117 Resp: 1144653
Ion Ratio Lower Upper
117 100
82 49.4 39.6 59.4
119 32.4 26.3 39.5

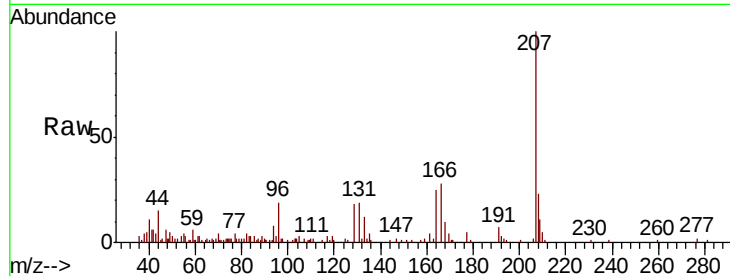




#64
Tetrachloroethene
Concen: 0.227 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

Instrument :
MSVOA_X
ClientSampleId :
S32-0644DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	113.0	104.2	156.2
129	70.3	72.6	108.8#
131	76.2	70.3	105.5



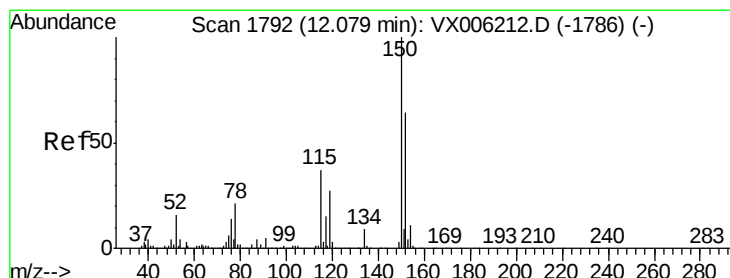
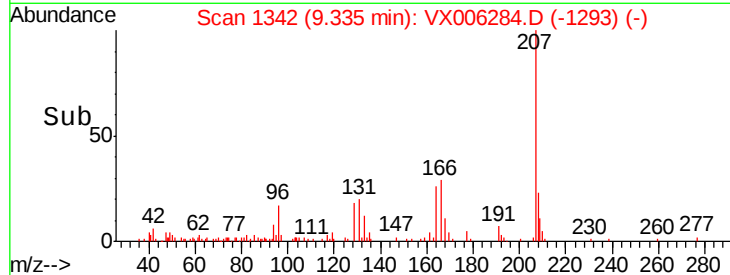
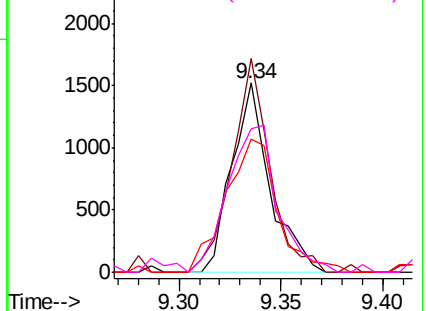
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

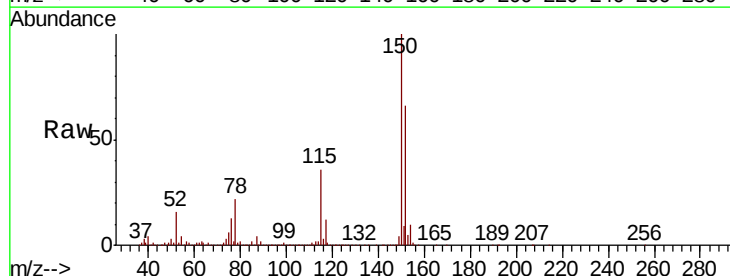
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006284.D
Acq: 04 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.0	116.9
150	154.7	0.0	345.8

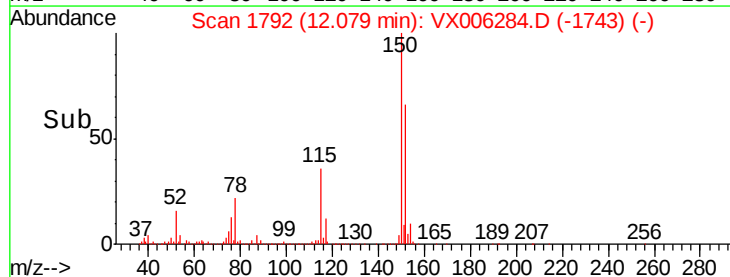
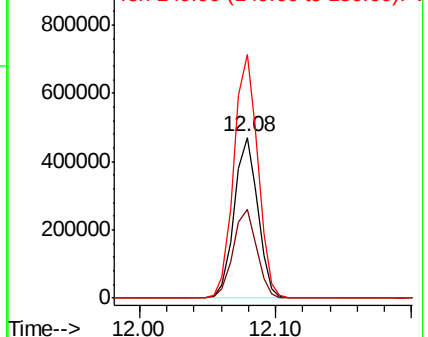


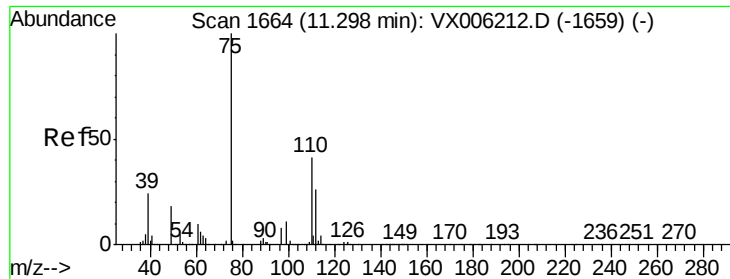
Abundance

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: 22.782 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006284.D

Acq: 04 Dec 2018 17:48

Instrument :

MSVOA_X

ClientSampleId :

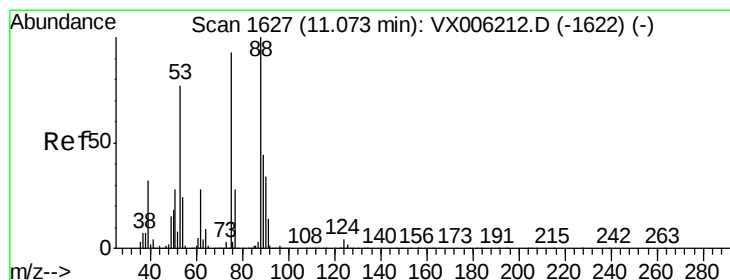
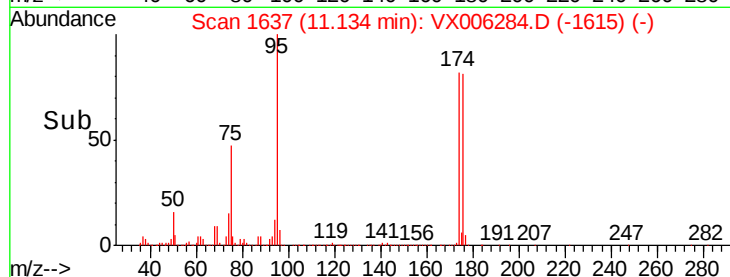
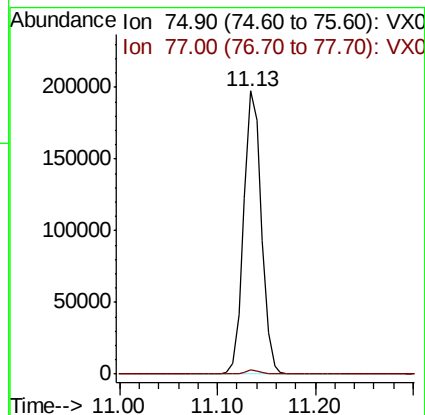
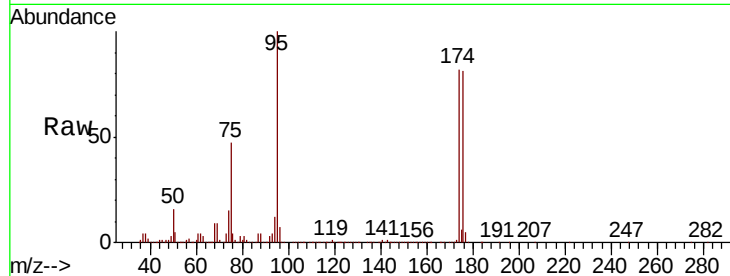
S32-0644DL

Tot Ion: 75 Resp: 248582

Ion Ratio Lower Upper

75 100

77 1.2 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.463 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006284.D

Acq: 04 Dec 2018 17:48

Tgt Ion: 75 Resp: 248582

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

