

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005955.D
 Acq On : 13 Nov 2018 18:07
 Operator : JC/MD
 Sample : J5908-24
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SR-7-S

Quant Time: Nov 14 03:27:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

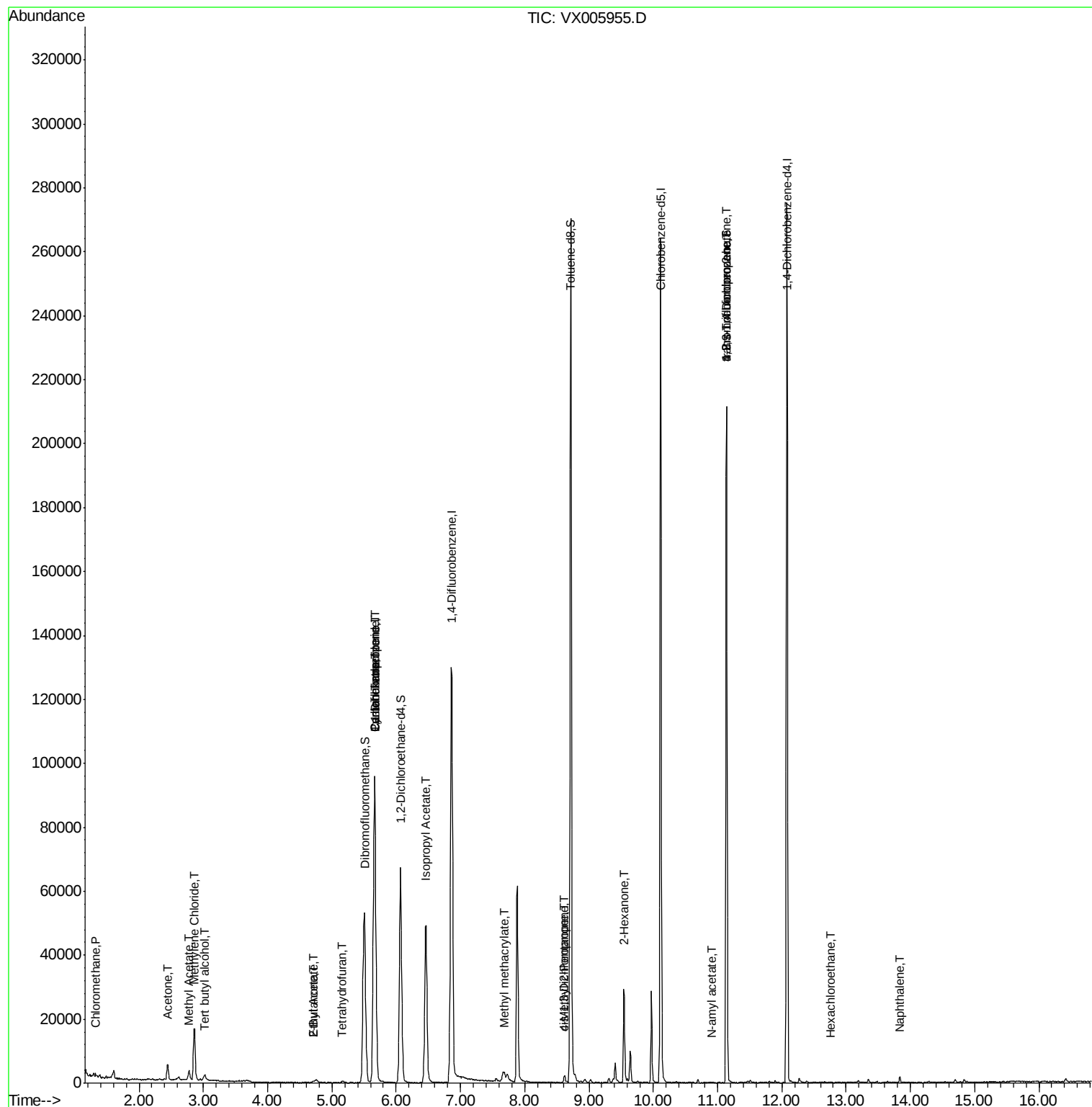
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	94515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	131269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	121649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	56637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	63085	58.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.12%	
35) Dibromofluoromethane	5.50	113	45489	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	8.71	98	161192	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
62) 4-Bromofluorobenzene	11.14	95	52839	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	420	0.376	ug/l	94
11) Tert butyl alcohol	3.03	59	1471	4.726	ug/l #	72
16) Acetone	2.45	43	5417	9.259	ug/l	96
18) Methyl Acetate	2.78	43	3824	0.985	ug/l	97
20) Methylene Chloride	2.85	84	7166	7.457	ug/l	93
25) 2-Butanone	4.70	43	876	0.952	ug/l	94
29) Tetrahydrofuran	5.17	42	439	0.743	ug/l #	36
31) Cyclohexane	5.67	56	1802	1.190	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	6784	5.361	ug/l #	48
37) Ethyl Acetate	4.70	43	876	0.526	ug/l #	69
38) Carbon Tetrachloride	5.66	117	8842	6.979	ug/l #	18
43) Isopropyl Acetate	6.46	43	64084	26.576	ug/l	98
48) Methyl methacrylate	7.68	41	2355	2.175	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	842	0.554	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	334	0.262	ug/l #	76
59) 2-Hexanone	9.54	43	3877	2.894	ug/l #	54
74) N-amyl acetate	10.90	43	68	1.287	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	27180	23.568	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	27180	75.115	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	363	Below Cal		99
90) Hexachloroethane	12.76	117	116	0.228	ug/l #	2
95) Naphthalene	13.83	128	1276	1.483	ug/l	96

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

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QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005955.D

Acq: 13 Nov 2018 18:07

Instrument :

MSVOA_X

ClientSampled :

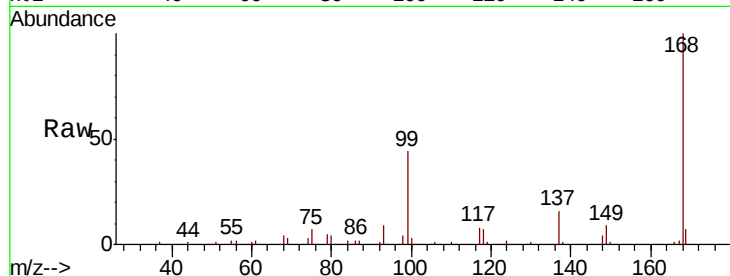
SR-7-S

Tot Ion:168 Resp: 94515

Ion Ratio Lower Upper

168 100

99 44.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

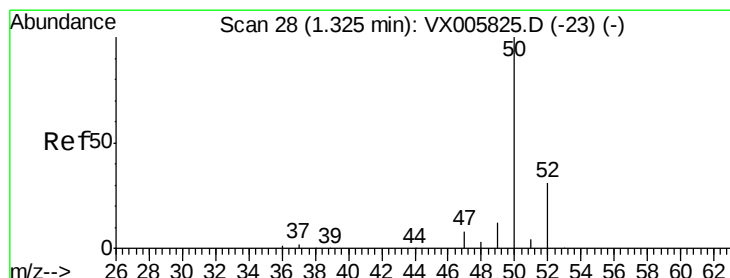
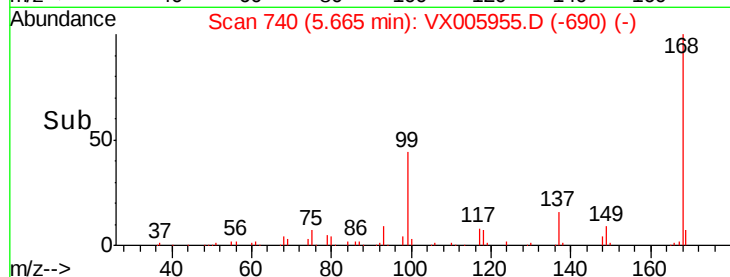
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.376 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005955.D

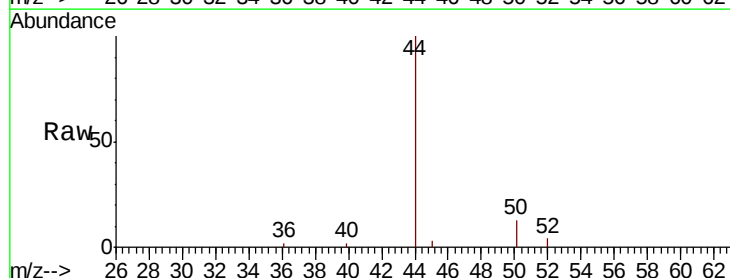
Acq: 13 Nov 2018 18:07

Tgt Ion: 50 Resp: 420

Ion Ratio Lower Upper

50 100

52 29.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

400

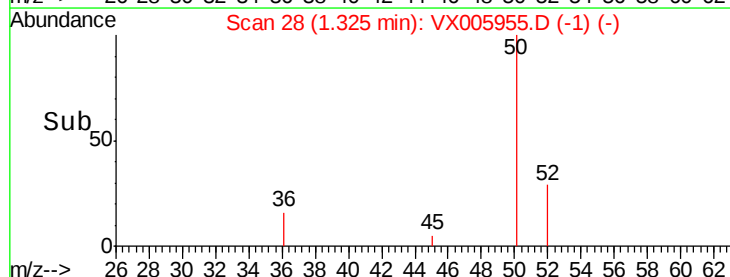
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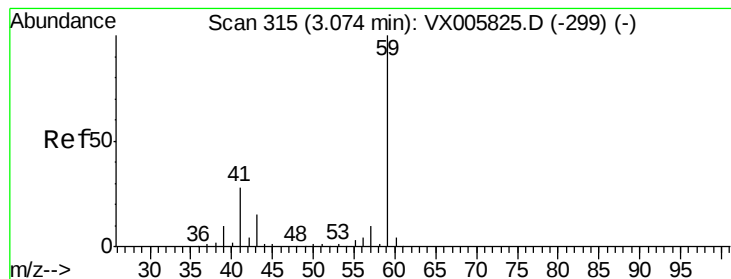
200

100

0

Time--> 1.30 1.35



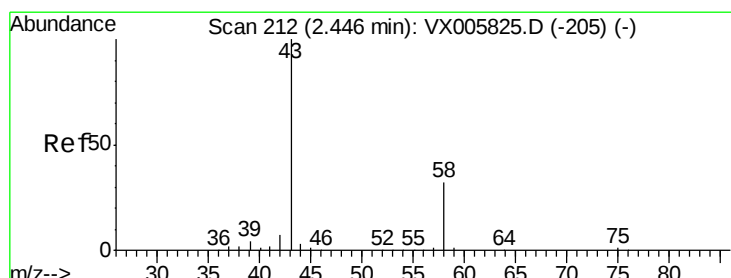
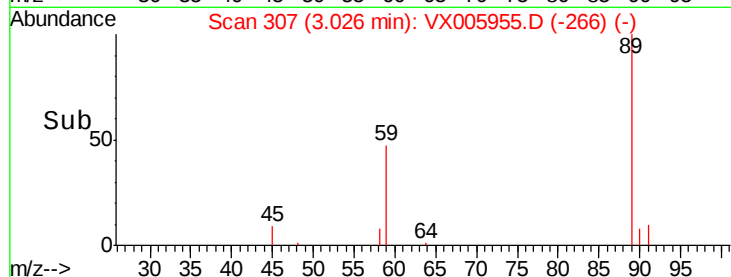
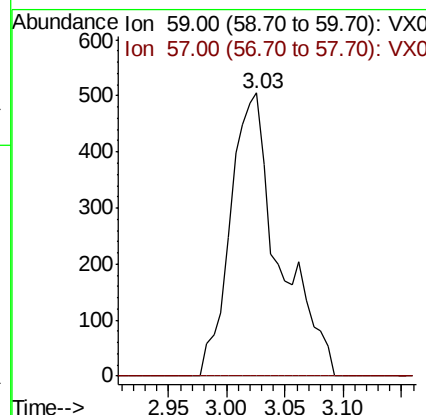
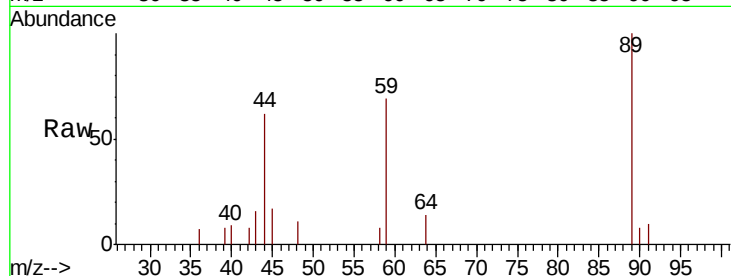


#11

Tert butyl alcohol
 Concen: 4.726 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX005955.D
 Acq: 13 Nov 2018 18:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SR-7-S

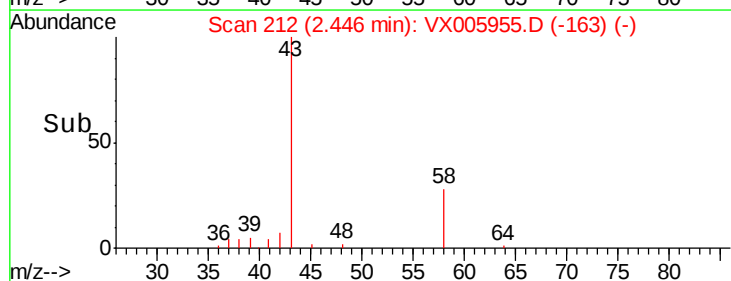
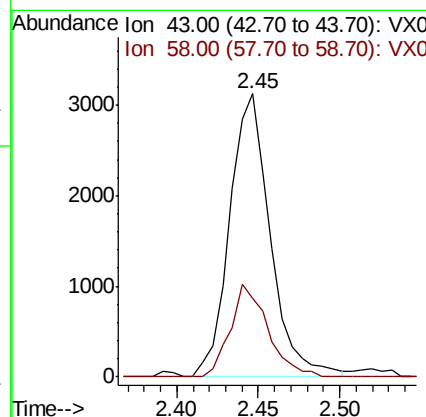
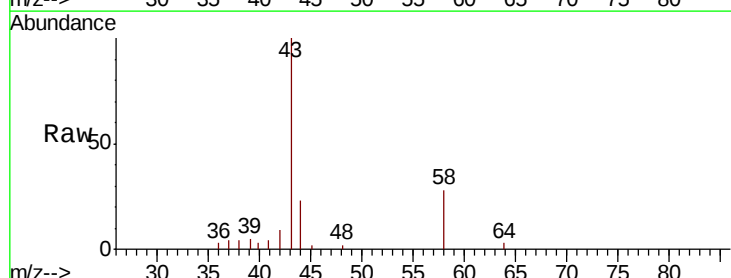
Tot Ion: 59 Resp: 1471
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

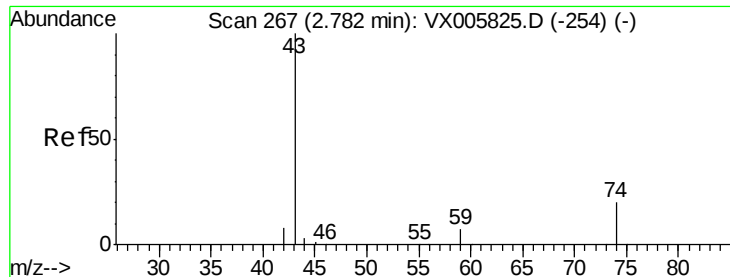


#16

Acetone
 Concen: 9.259 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX005955.D
 Acq: 13 Nov 2018 18:07

Tgt Ion: 43 Resp: 5417
 Ion Ratio Lower Upper
 43 100
 58 27.6 23.8 35.6

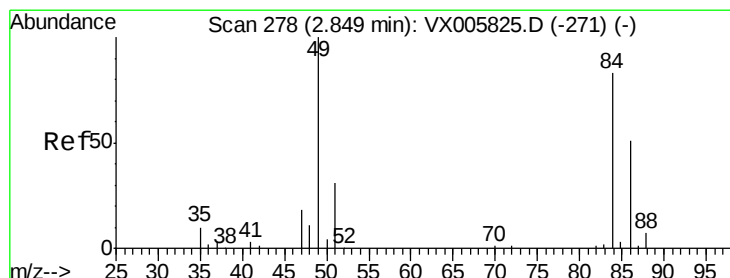
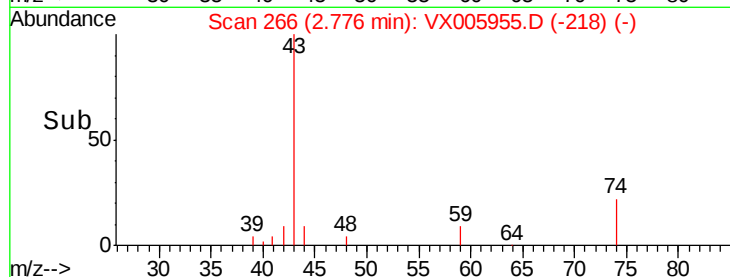
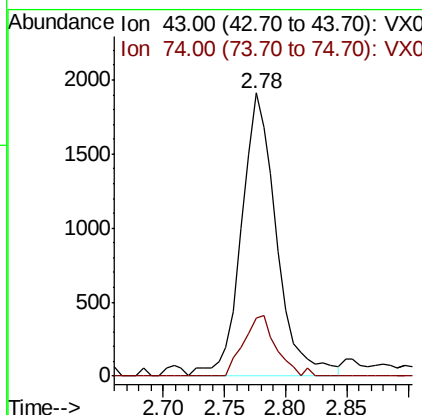
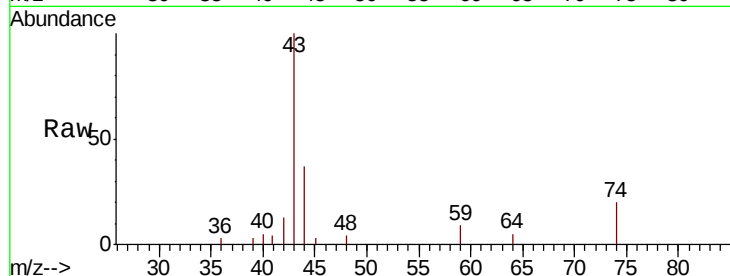




#18
Methyl Acetate
Concen: 0.985 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

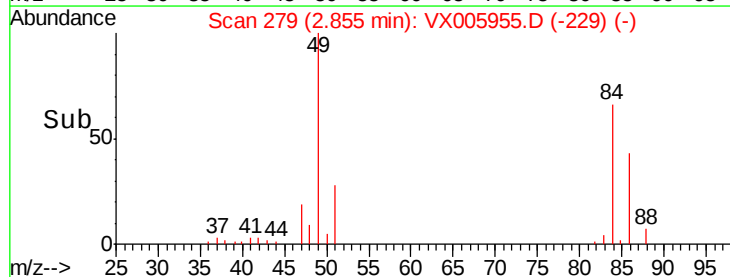
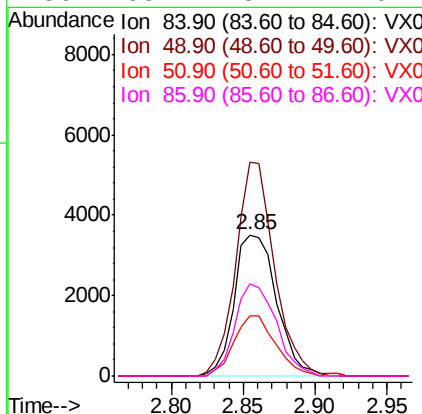
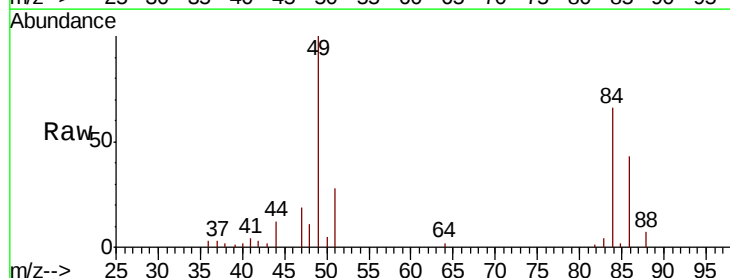
Instrument :
MSVOA_X
ClientSampled :
SR-7-S

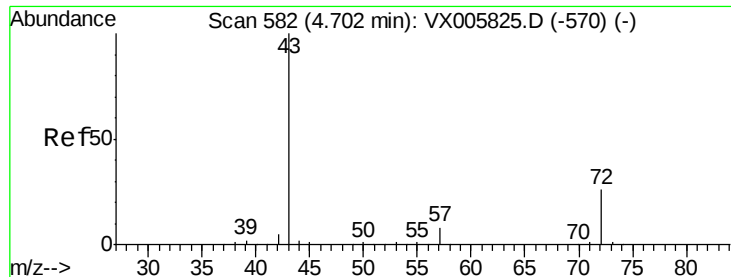
Tot Ion: 43 Resp: 3824
Ion Ratio Lower Upper
43 100
74 19.7 16.8 25.2



#20
Methylene Chloride
Concen: 7.457 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Tgt Ion: 84 Resp: 7166
Ion Ratio Lower Upper
84 100
49 151.7 109.5 164.3
51 42.3 33.3 49.9
86 65.7 52.7 79.1





#25

2-Butanone

Concen: 0.952 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX005955.D

Acq: 13 Nov 2018 18:07

Instrument :

MSVOA_X

ClientSampled :

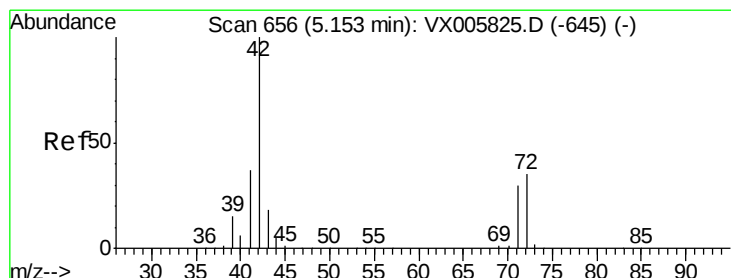
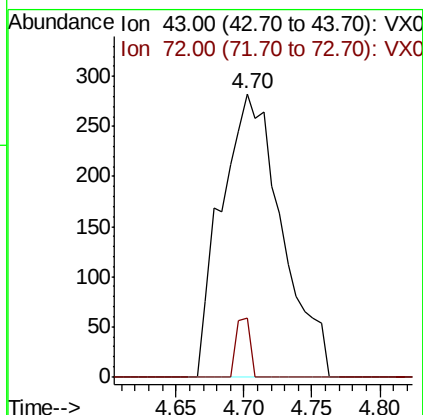
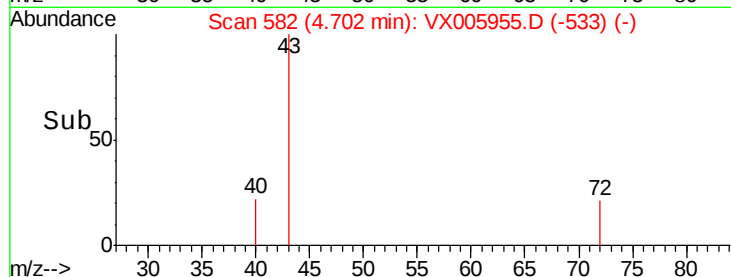
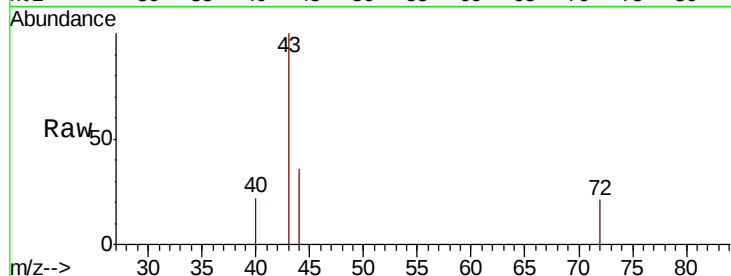
SR-7-S

Tot Ion: 43 Resp: 876

Ion Ratio Lower Upper

43 100

72 20.8 19.2 28.8



#29

Tetrahydrofuran

Concen: 0.743 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005955.D

Acq: 13 Nov 2018 18:07

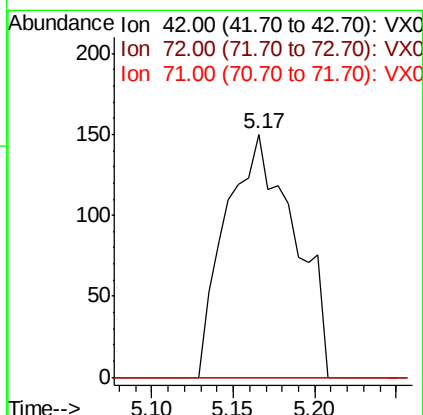
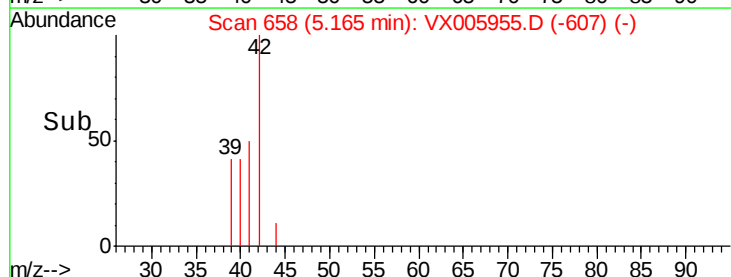
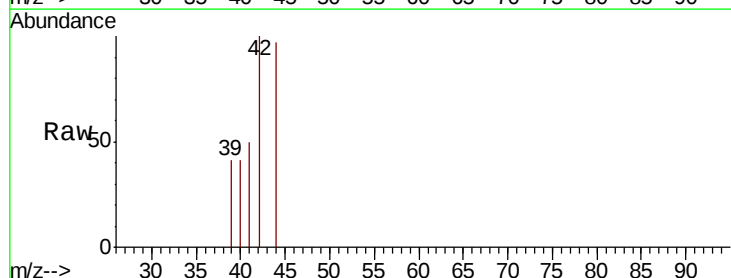
Tgt Ion: 42 Resp: 439

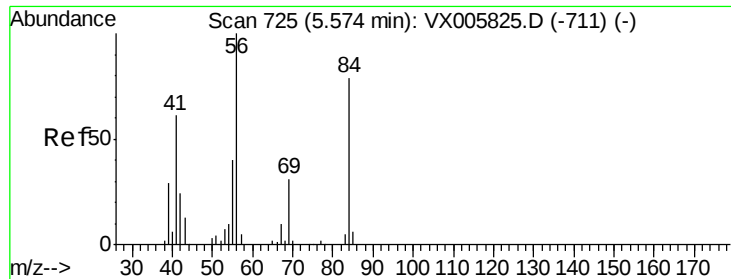
Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 0.0 29.8 44.8#

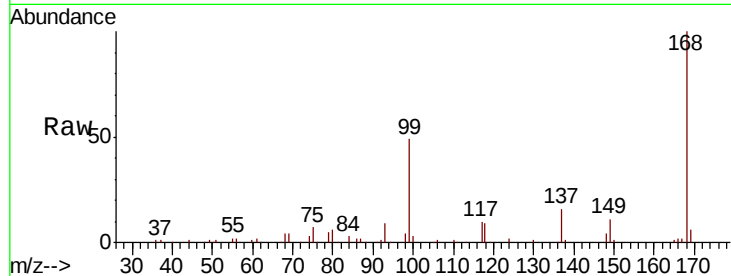




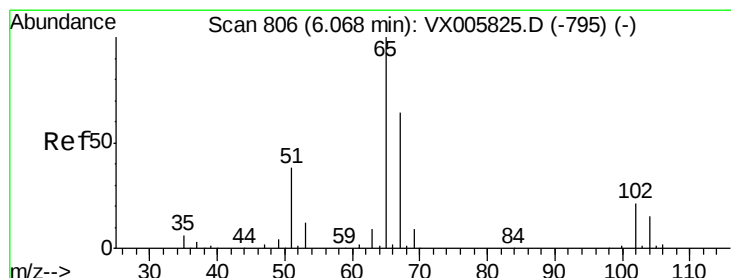
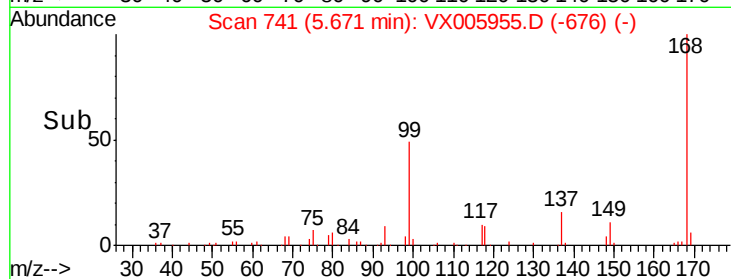
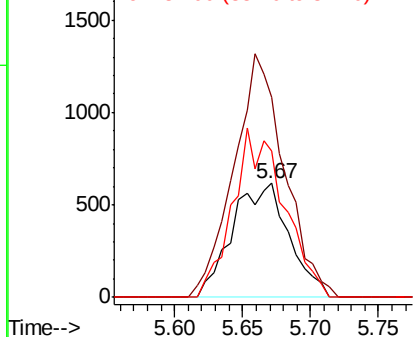
#31
Cyclohexane
Concen: 1.190 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Instrument :
MSVOA_X
ClientSampled :
SR-7-S

Tot Ion: 56 Resp: 1802
Ion Ratio Lower Upper
56 100
69 175.0 22.6 34.0#
84 128.5 62.7 94.1#

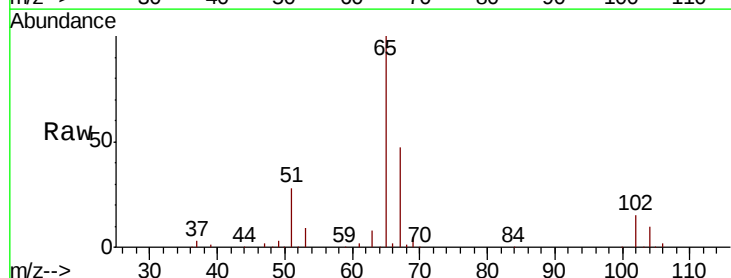


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

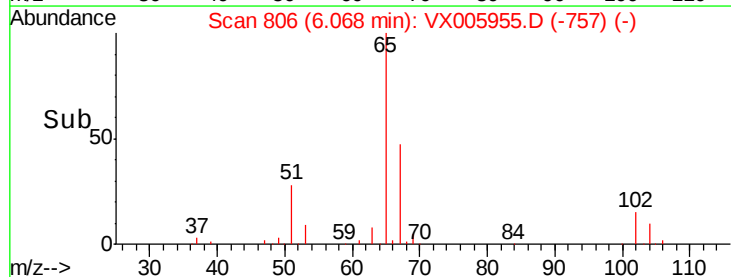
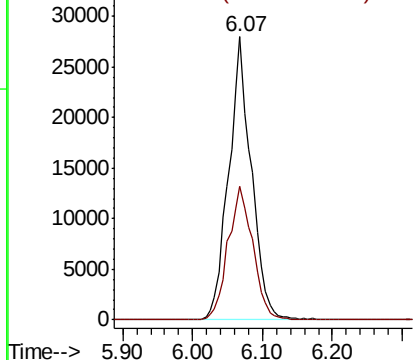


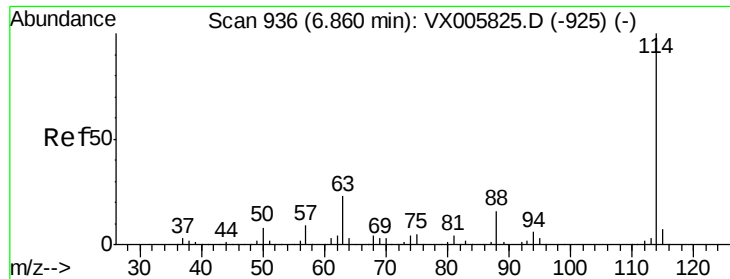
#33
1,2-Dichloroethane-d4
Concen: 58.059 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Tgt Ion: 65 Resp: 63085
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

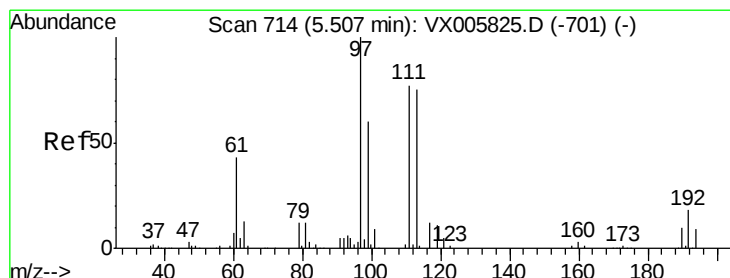
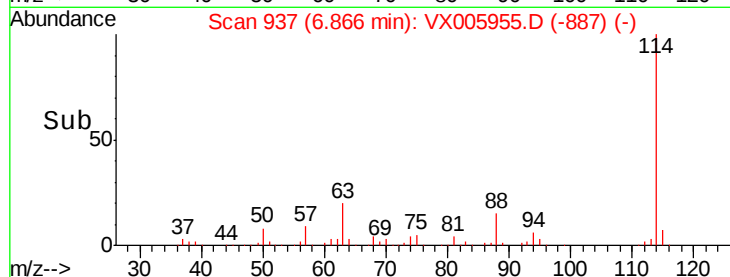
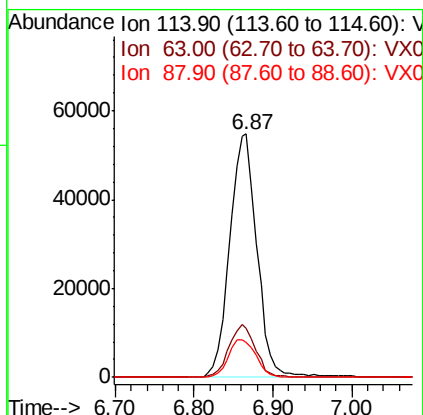
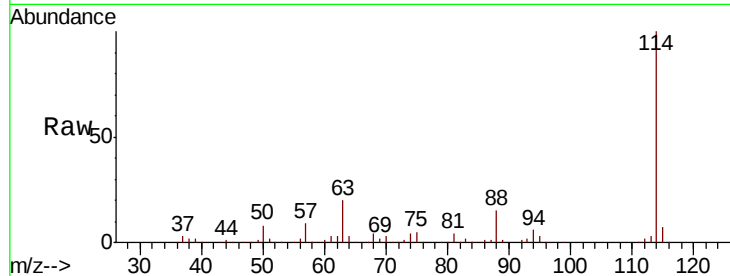




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

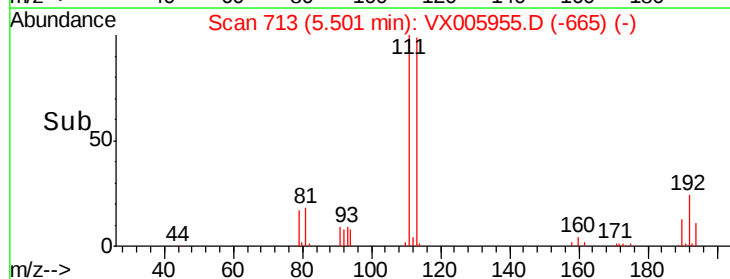
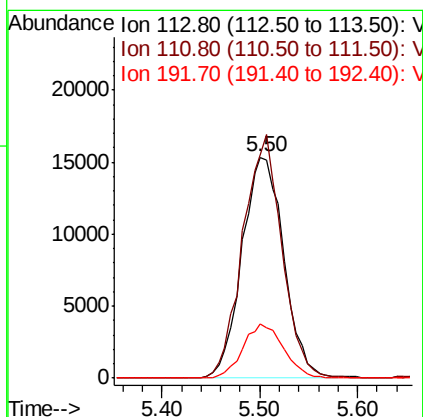
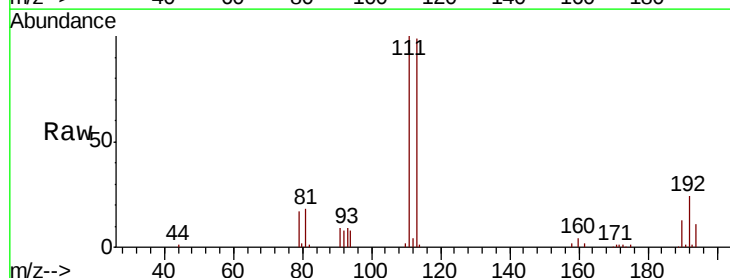
Instrument :
MSVOA_X
ClientSampleId :
SR-7-S

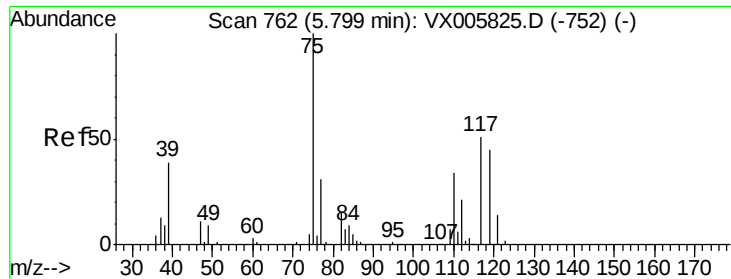
Tot Ion:114 Resp: 131269
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.8
88 14.6 0.0 31.2



#35
Dibromofluoromethane
Concen: 50.949 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Tgt Ion:113 Resp: 45489
Ion Ratio Lower Upper
113 100
111 102.9 82.3 123.5
192 23.7 17.9 26.9





#36

1,1-Dichloropropene

Concen: 5.361 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005955.D

Acq: 13 Nov 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

SR-7-S

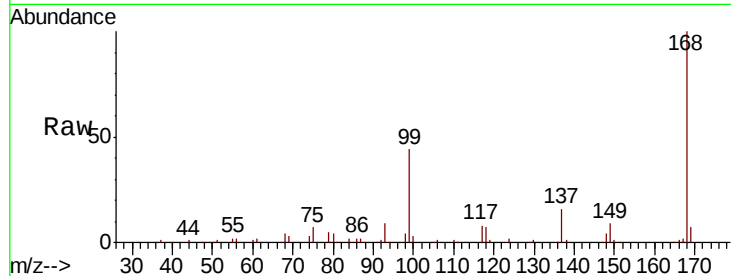
Tot Ion: 75 Resp: 6784

Ion Ratio Lower Upper

75 100

110 8.2 17.4 52.2#

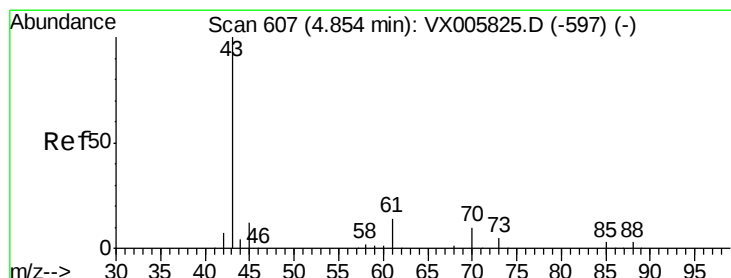
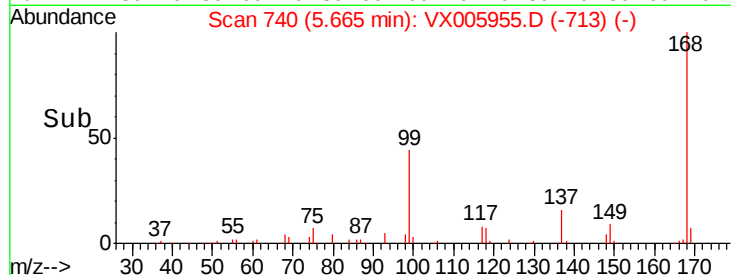
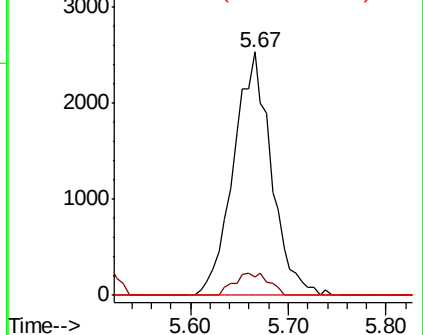
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.526 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX005955.D

Acq: 13 Nov 2018 18:07

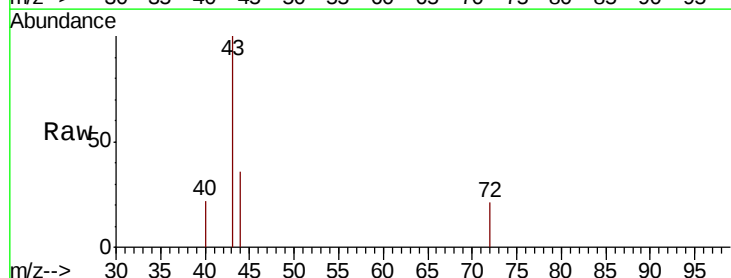
Tgt Ion: 43 Resp: 876

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

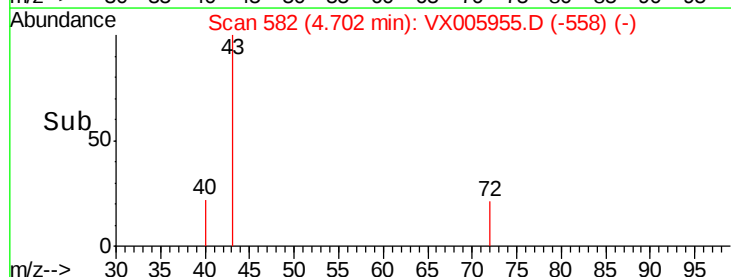
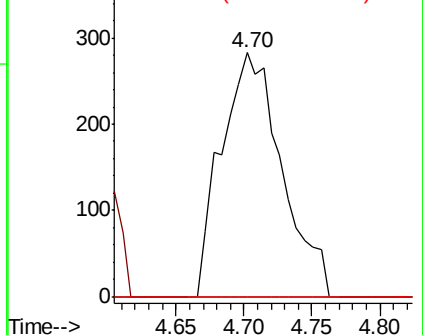
70 0.0 7.8 11.8#

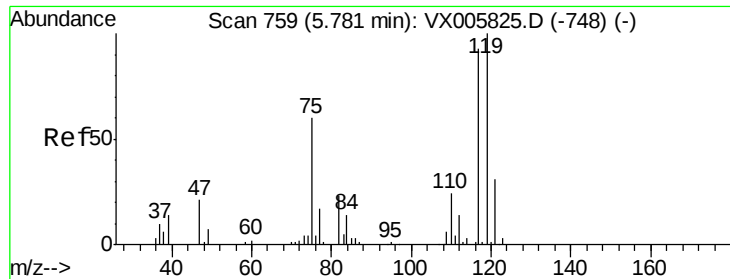


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

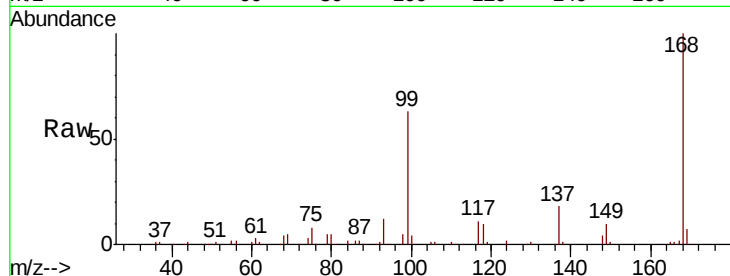




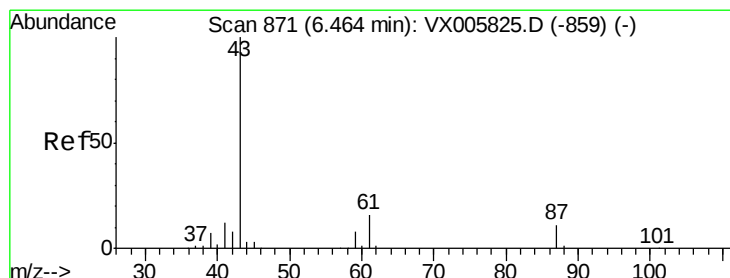
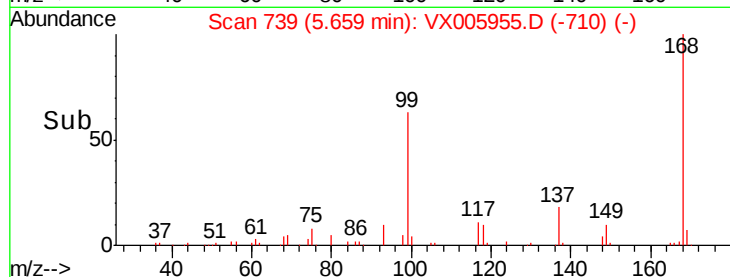
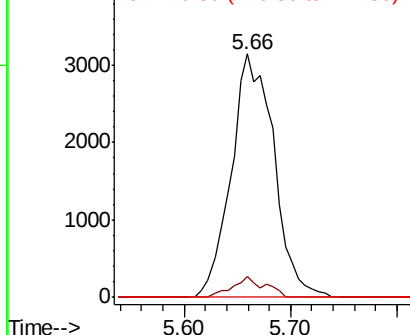
#38
Carbon Tetrachloride
Concen: 6.979 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Instrument :
MSVOA_X
ClientSampleId :
SR-7-S

Tot Ion:117 Resp: 8842
Ion Ratio Lower Upper
117 100
119 8.4 78.1 117.1#
121 0.0 24.6 36.8#

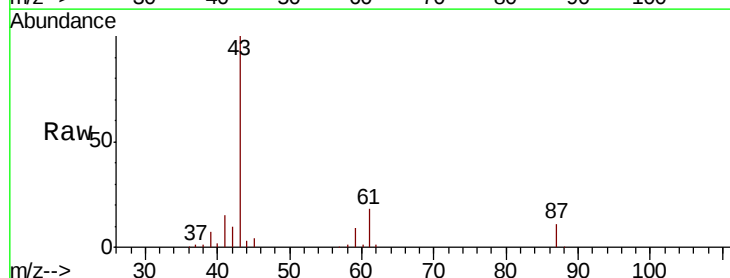


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

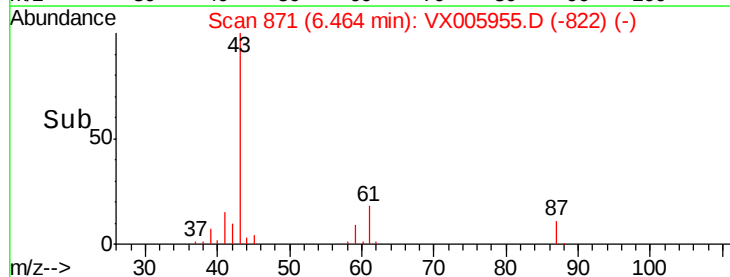
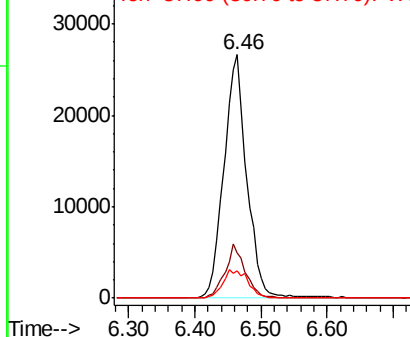


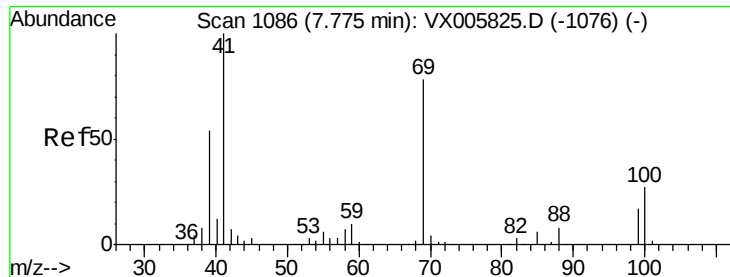
#43
Isopropyl Acetate
Concen: 26.576 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Tgt Ion: 43 Resp: 64084
Ion Ratio Lower Upper
43 100
61 19.4 14.6 22.0
87 12.4 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

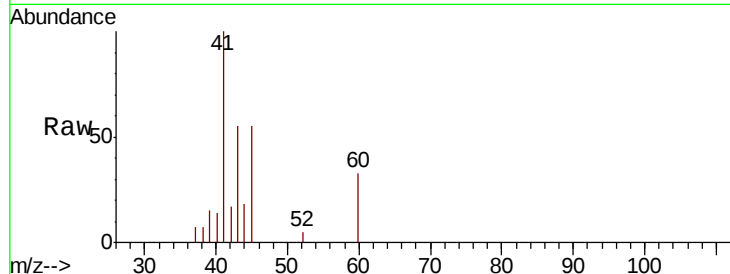




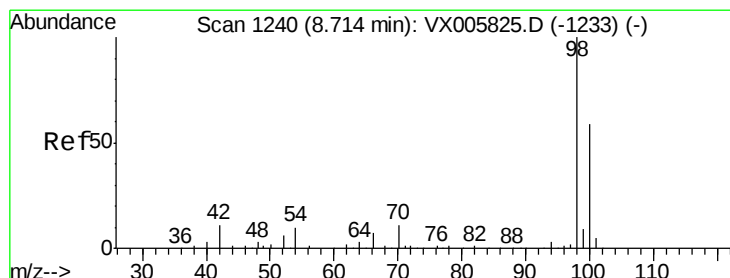
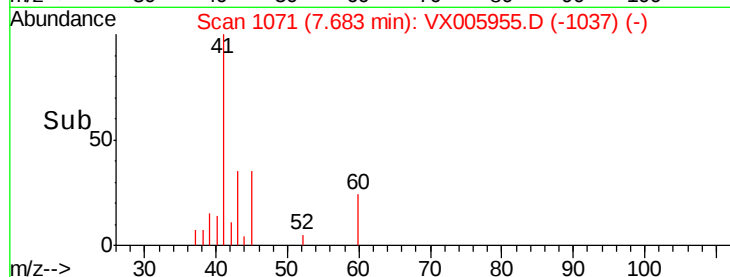
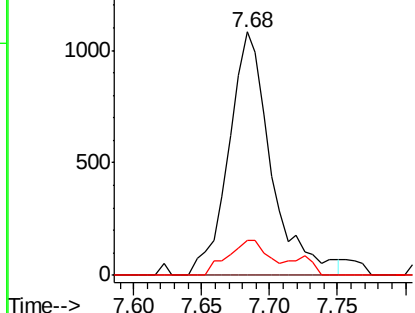
#48
Methvl methacrylate
Concen: 2.175 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Instrument :
MSVOA_X
ClientSampled :
SR-7-S

Tot Ion: 41 Resp: 2355
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 13.8 42.2 63.2#

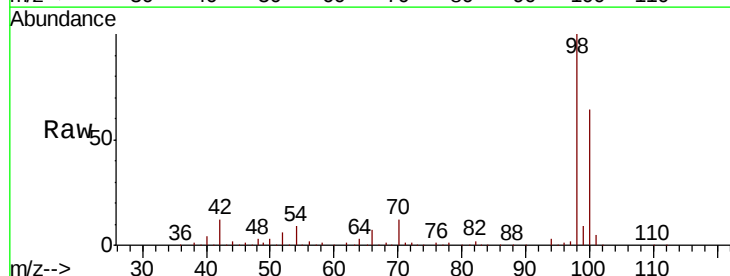


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

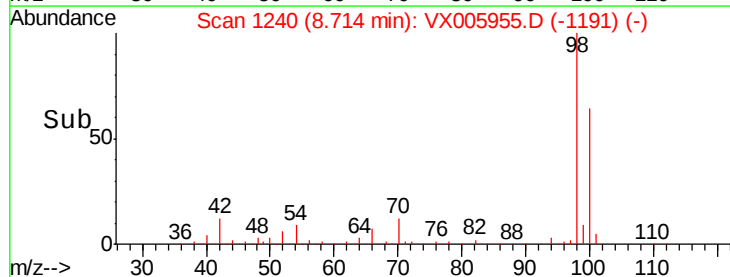
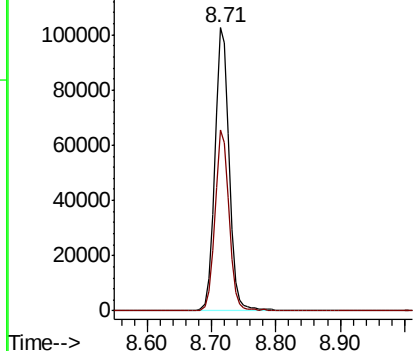


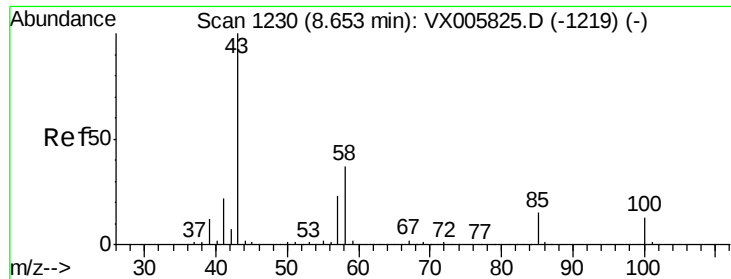
#50
Toluene-d8
Concen: 54.305 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Tgt Ion: 98 Resp: 161192
Ion Ratio Lower Upper
98 100
100 62.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.554 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.04 min

Lab File: VX005955.D

Acq: 13 Nov 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

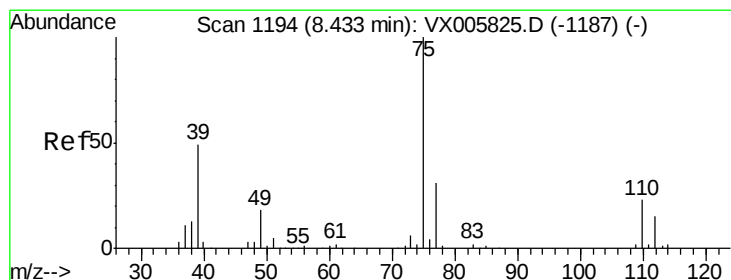
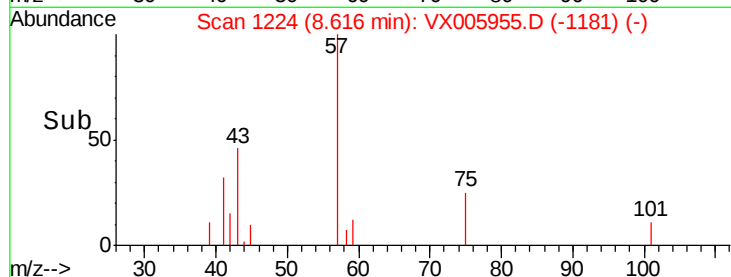
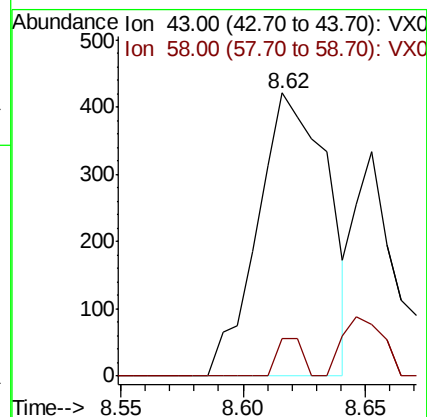
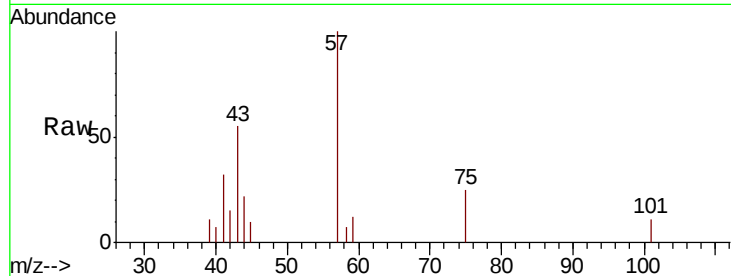
SR-7-S

Tot Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



#54

cis-1,3-Dichloropropene

Concen: 0.262 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX005955.D

Acq: 13 Nov 2018 18:07

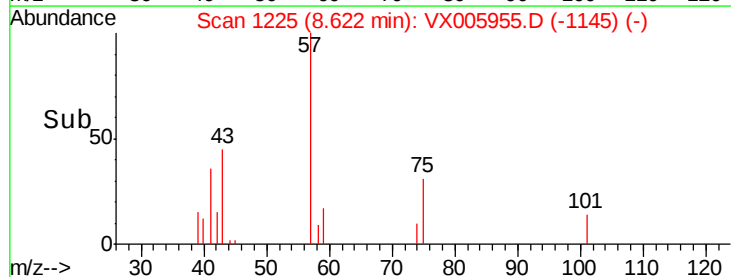
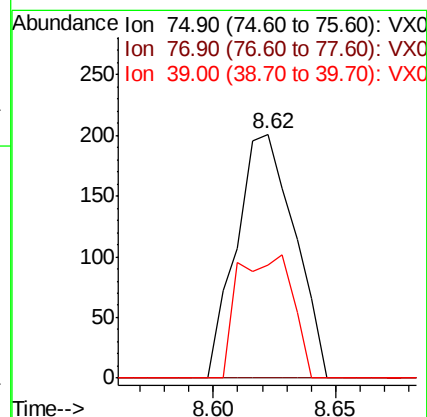
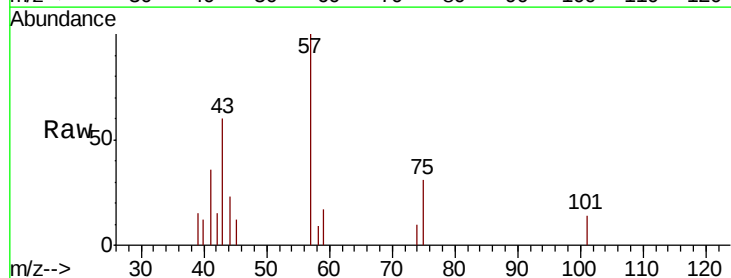
Tgt Ion: 75 Resp: 334

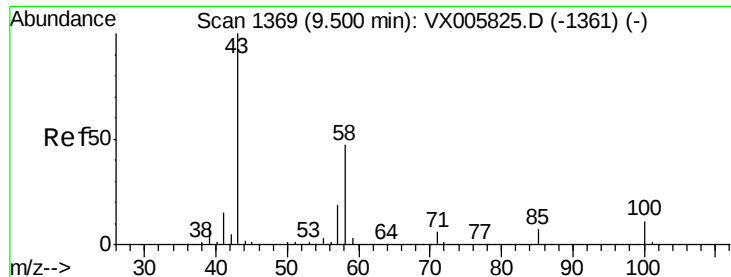
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 46.3 38.2 57.2

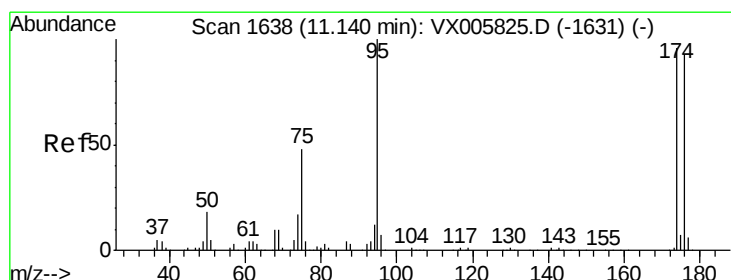
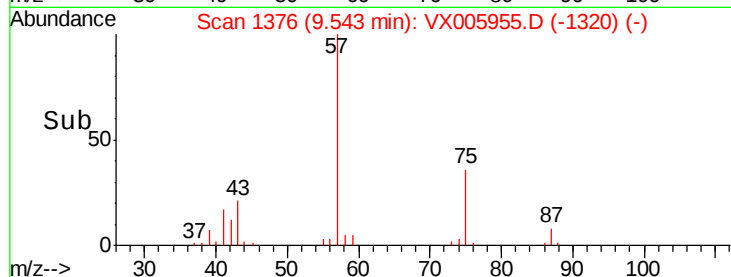
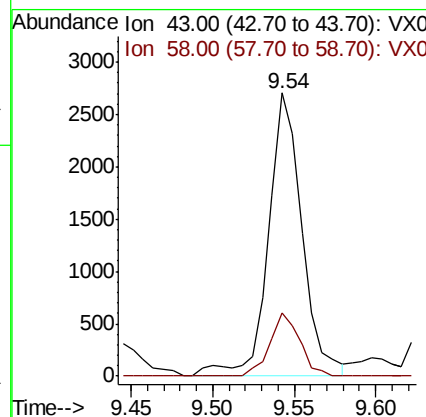
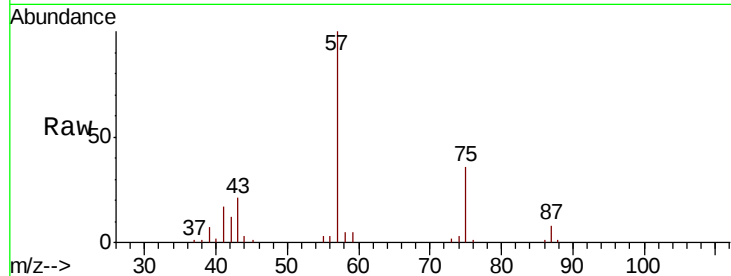




#59
2-Hexanone
Concen: 2.894 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

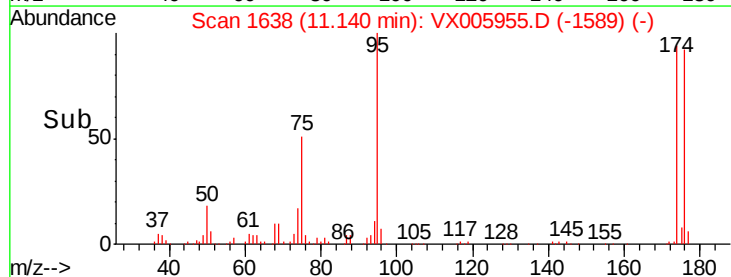
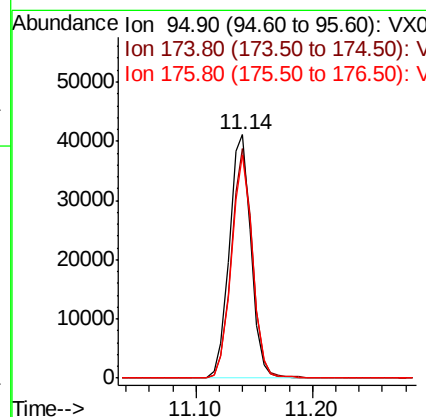
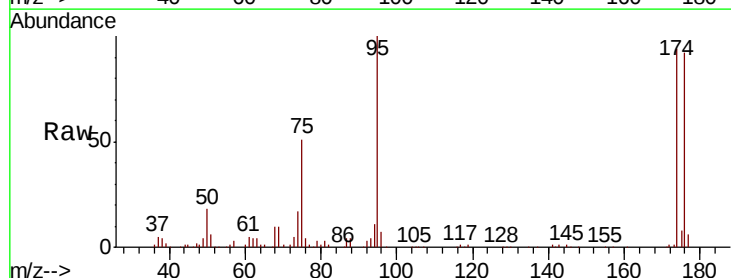
Instrument :
MSVOA_X
ClientSampleId :
SR-7-S

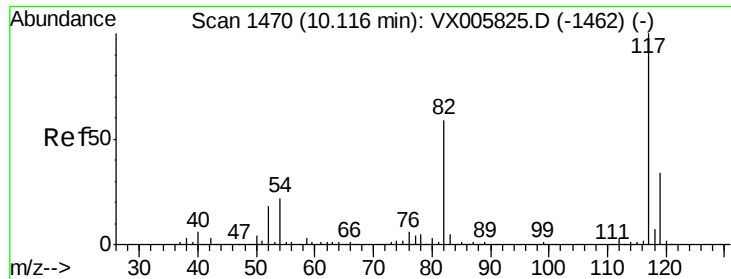
Tot Ion: 43 Resp: 3877
Ion Ratio Lower Upper
43 100
58 19.8 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 49.512 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Tgt Ion: 95 Resp: 52839
Ion Ratio Lower Upper
95 100
174 91.8 0.0 184.4
176 89.4 0.0 177.4

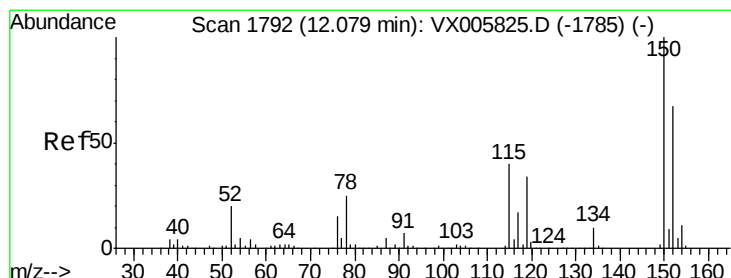
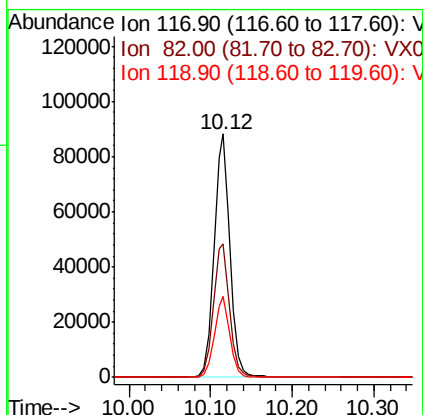
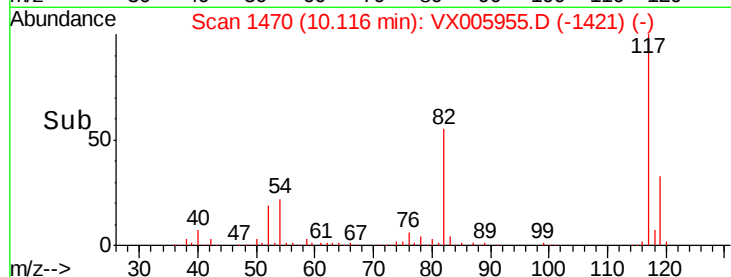
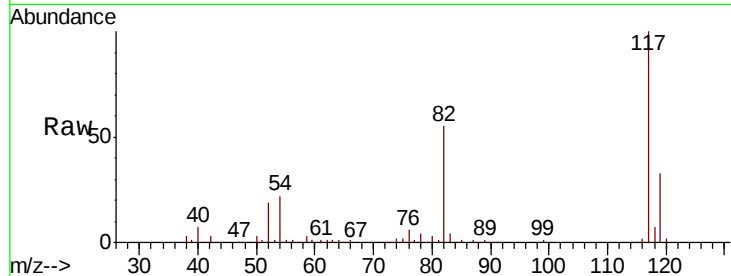




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

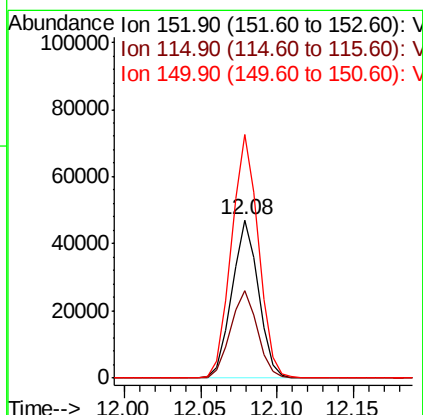
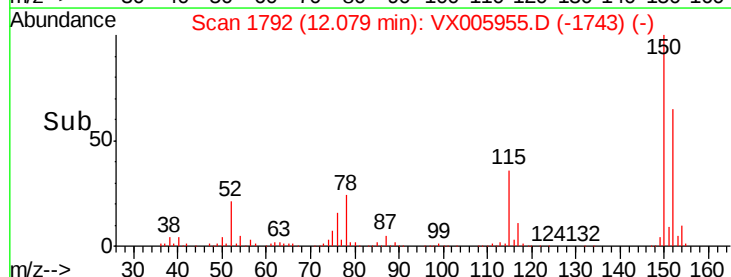
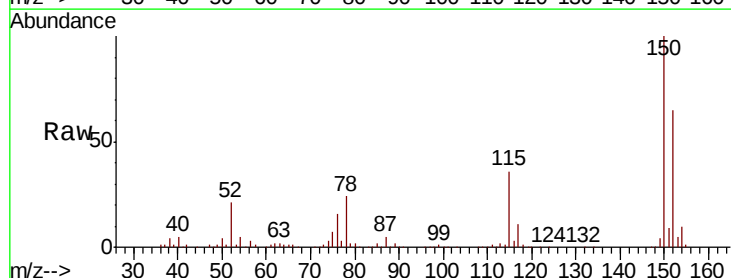
Instrument :
MSVOA_X
ClientSampled :
SR-7-S

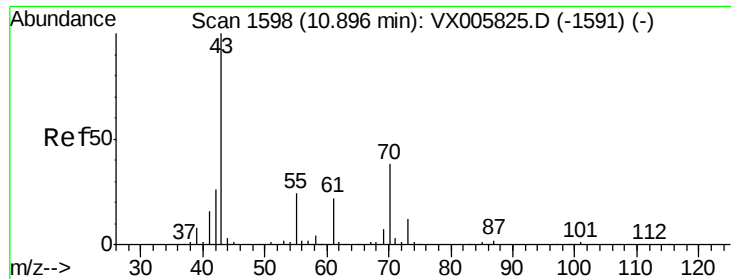
Tot Ion:117 Resp: 121649
Ion Ratio Lower Upper
117 100
82 54.8 44.1 66.1
119 33.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Tgt Ion:152 Resp: 56637
Ion Ratio Lower Upper
152 100
115 56.1 39.4 118.1
150 156.4 0.0 346.4





#74

N-amvl acetate

Concen: 1.287 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX005955.D

Acq: 13 Nov 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

SR-7-S

Tot Ion: 43 Resp: 68

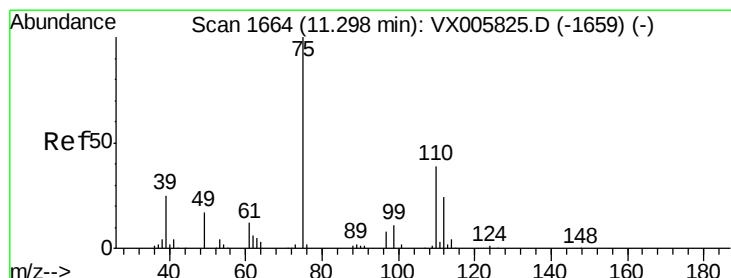
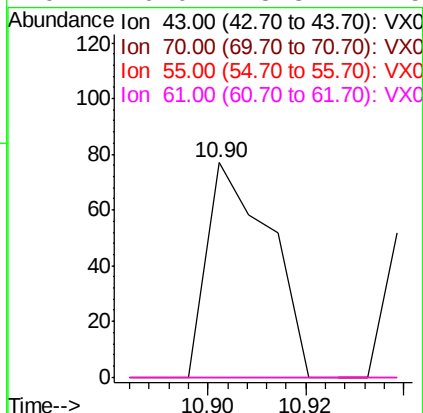
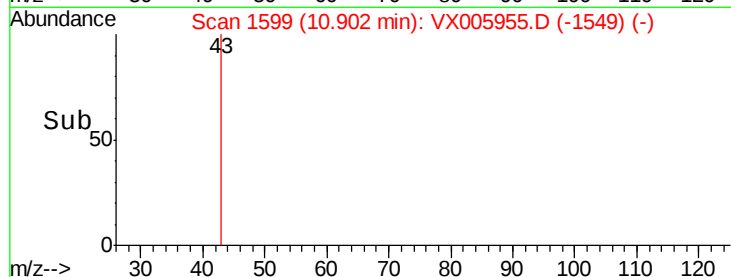
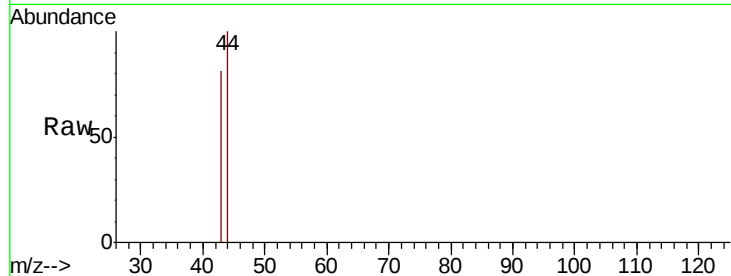
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#



#76

1,2,3-Trichloropropane

Concen: 23.568 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005955.D

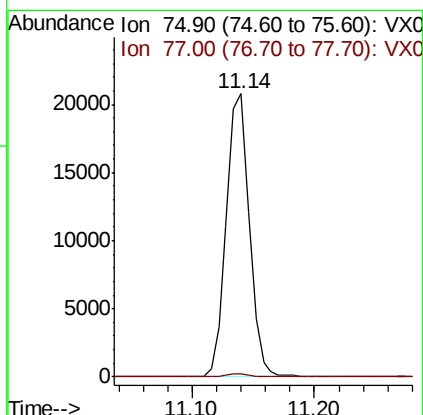
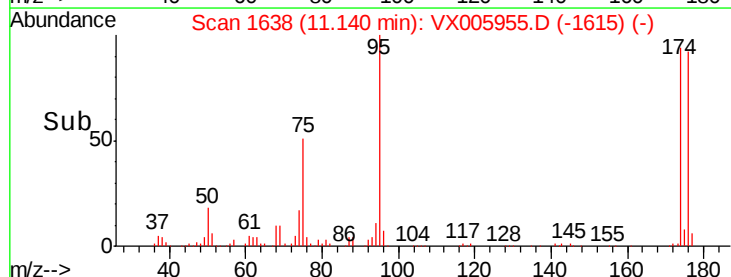
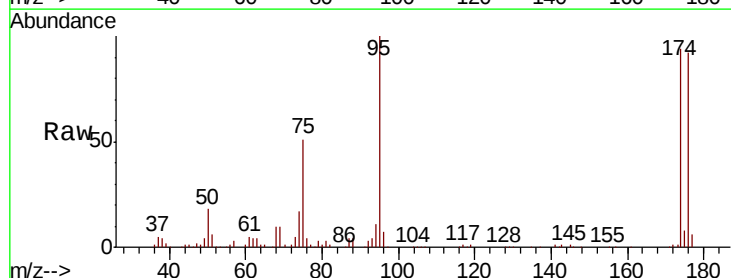
Acq: 13 Nov 2018 18:07

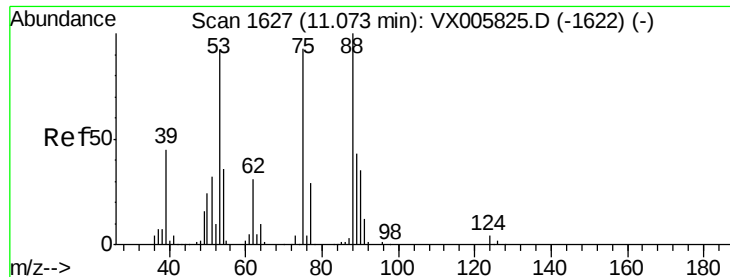
Tgt Ion: 75 Resp: 27180

Ion Ratio Lower Upper

75 100

77 1.3 20.5 61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 75.115 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005955.D

Acq: 13 Nov 2018 18:07

Instrument :

MSVOA_X

ClientSampleId :

SR-7-S

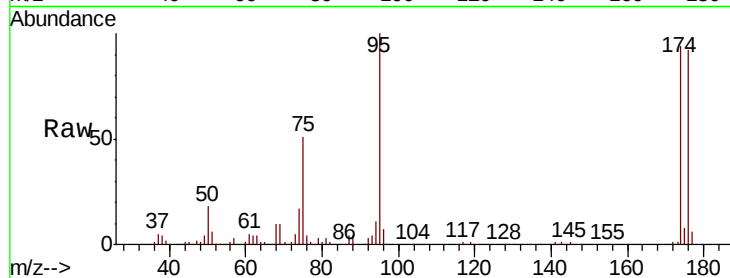
Tot Ion: 75 Resp: 27180

Ion Ratio Lower Upper

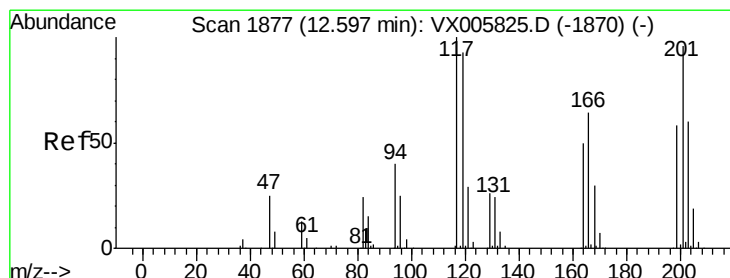
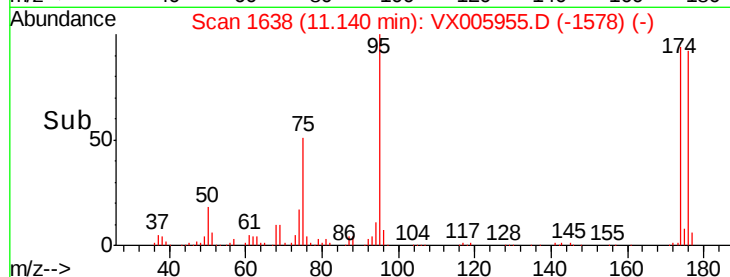
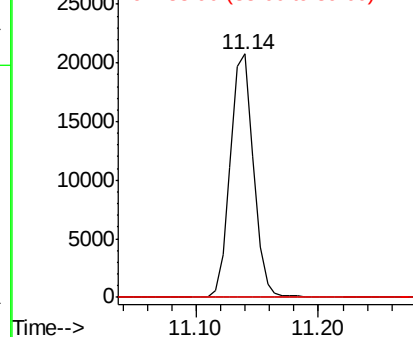
75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



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



#90

Hexachloroethane

Concen: 0.228 ug/l

RT: 12.76 min Scan# 1903

Delta R.T. 0.16 min

Lab File: VX005955.D

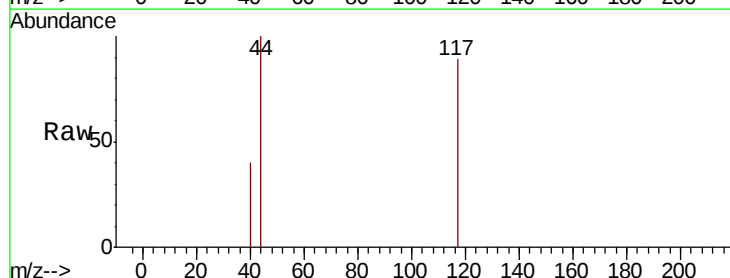
Acq: 13 Nov 2018 18:07

Tgt Ion: 117 Resp: 116

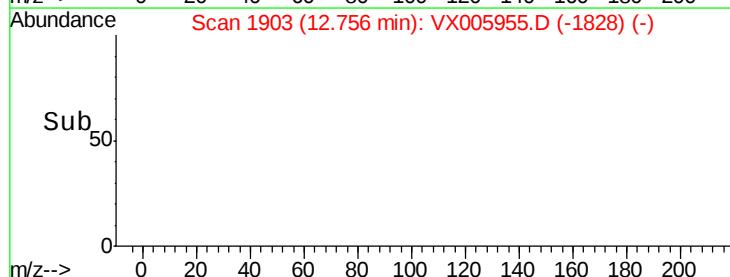
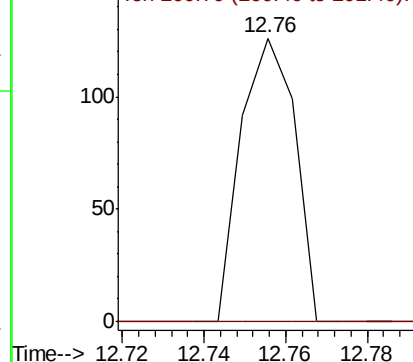
Ion Ratio Lower Upper

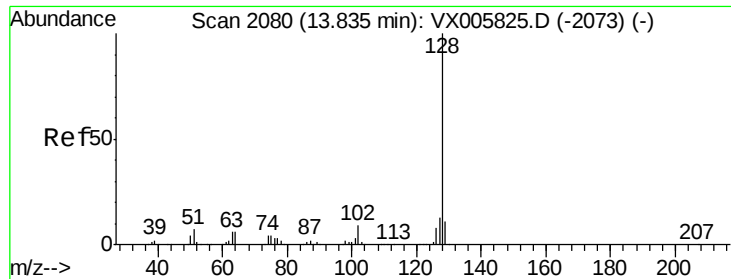
117 100

201 0.0 47.9 143.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

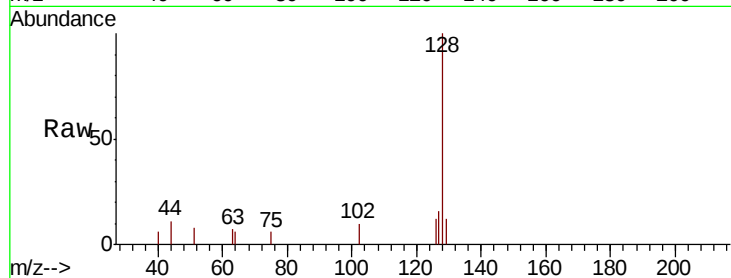




#95
Naphthalene
Concen: 1.483 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005955.D
Acq: 13 Nov 2018 18:07

Instrument :
MSVOA_X
ClientSampleId :
SR-7-S

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.4	15.6
129	9.5	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

