

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005962.D
 Acq On : 13 Nov 2018 21:14
 Operator : JC/MD
 Sample : J5913-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DOC-19-PRE-CHAR-COMPOSITE

Quant Time: Nov 14 03:29:45 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	88768	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	130650	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	119846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	56187	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	60600	59.38	ug/l	0.00
Spiked Amount			Recovery	=	118.76%	
35) Dibromofluoromethane	5.50	113	46329	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
50) Toluene-d8	8.71	98	156865	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
62) 4-Bromofluorobenzene	11.14	95	51820	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	

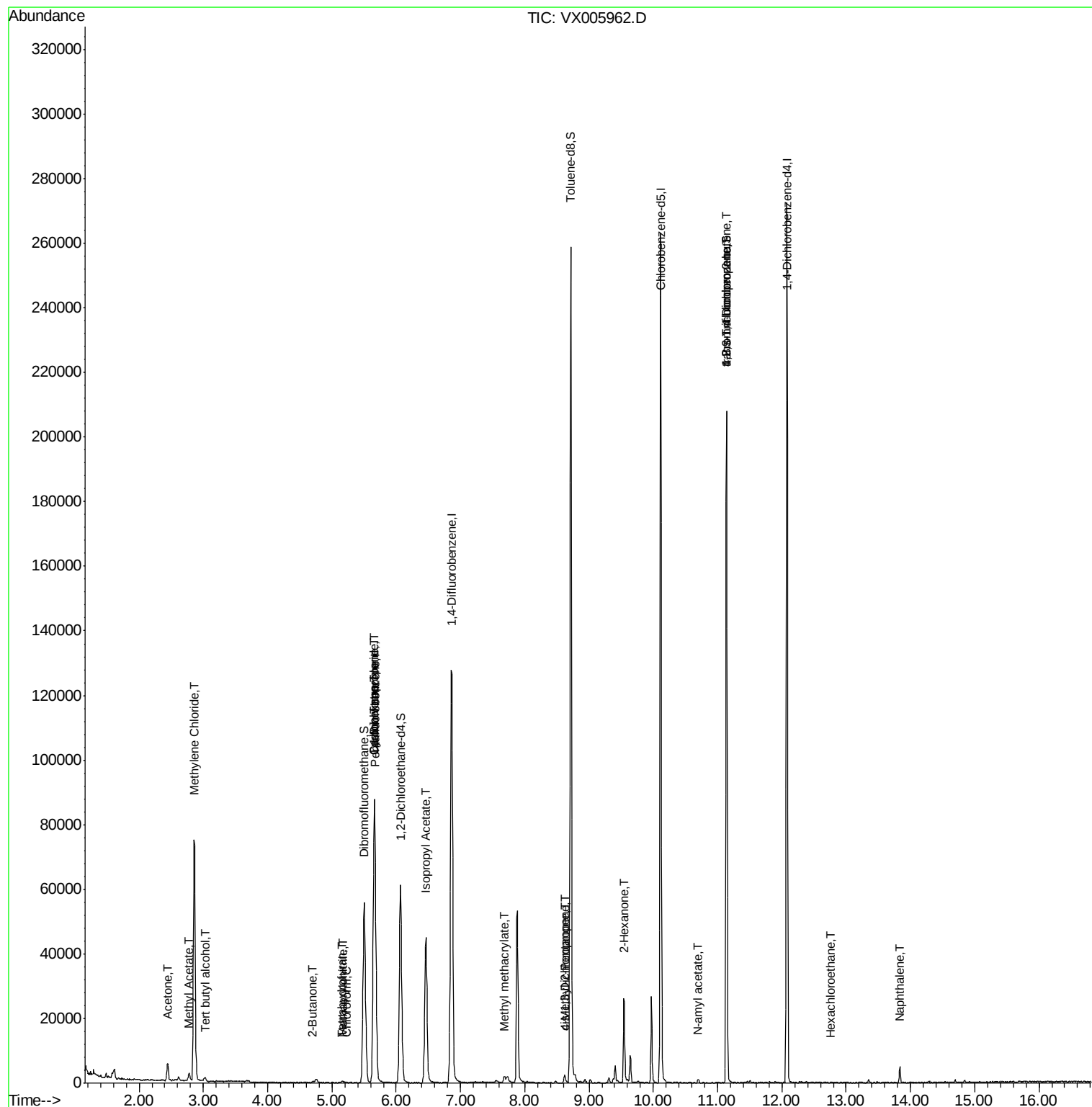
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	819	2.802	ug/l #	72
16) Acetone	2.45	43	5969	10.863	ug/l	99
18) Methyl Acetate	2.78	43	3073	0.622	ug/l	93
20) Methylene Chloride	2.86	84	33265	36.855	ug/l	89
25) 2-Butanone	4.70	43	978	1.132	ug/l #	85
29) Tetrahydrofuran	5.15	42	158	0.285	ug/l #	70
30) Chloroform	5.22	83	395	0.250	ug/l #	74
31) Cyclohexane	5.67	56	1722	1.211	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	6467	5.135	ug/l #	49
38) Carbon Tetrachloride	5.66	117	8417	6.675	ug/l #	16
41) Methacrylonitrile	5.17	41	240	0.268	ug/l #	40
43) Isopropyl Acetate	6.46	43	58722	24.468	ug/l	99
48) Methyl methacrylate	7.68	41	2158	2.003	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	1204	0.796	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	336	0.264	ug/l #	72
59) 2-Hexanone	9.54	43	3399	2.549	ug/l #	55
74) N-amyl acetate	10.69	43	259	1.389	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	26370	23.049	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	26370	73.461	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	292	Below Cal		84
90) Hexachloroethane	12.76	117	142	0.281	ug/l #	2
95) Naphthalene	13.83	128	3256	1.964	ug/l	97

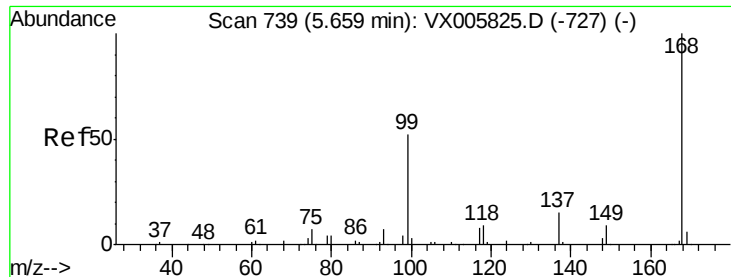
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
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# 741

Delta R.T. 0.01 min

Lab File: VX005962.D

Acq: 13 Nov 2018 21:14

Instrument :

MSVOA_X

ClientSampleId :

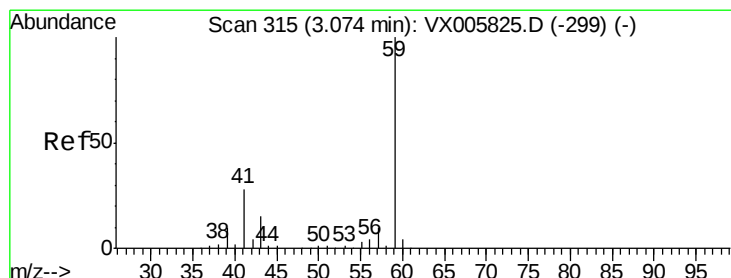
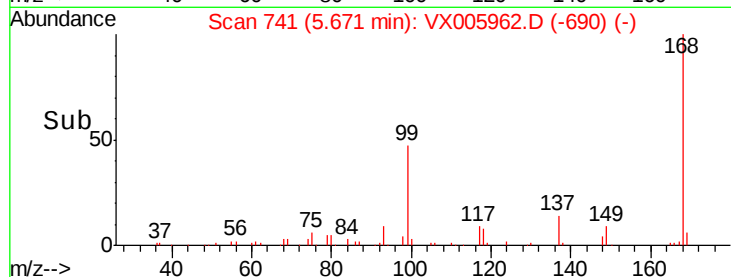
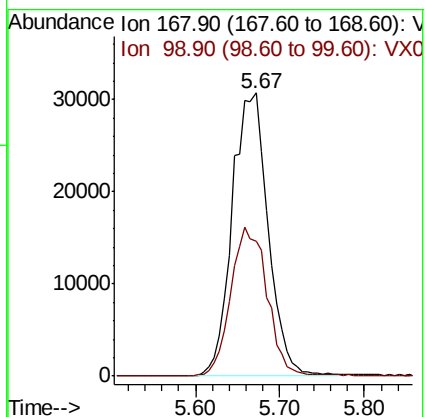
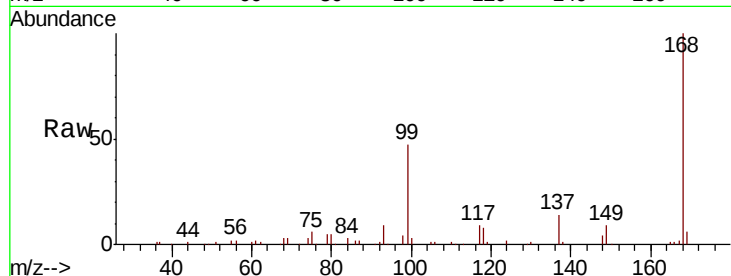
DOC-19-PRE-CHAR-COMPOSITE

Tot Ion:168 Resp: 88768

Ion Ratio Lower Upper

168 100

99 47.5 40.7 61.1



#11

Tert butyl alcohol

Concen: 2.802 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005962.D

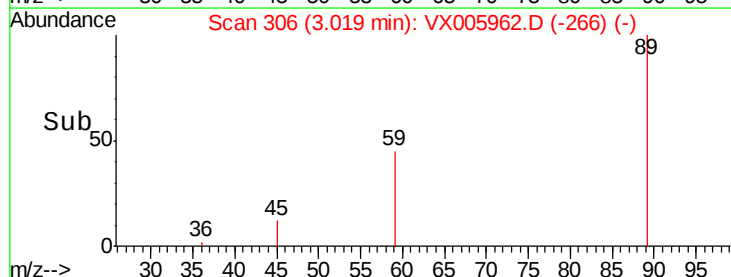
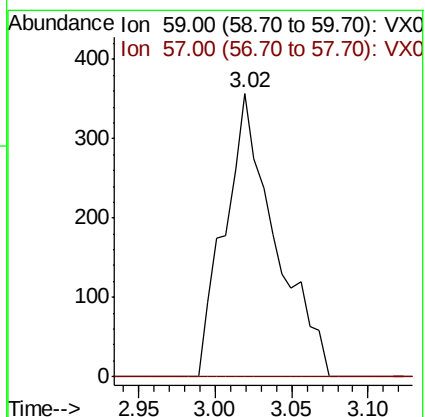
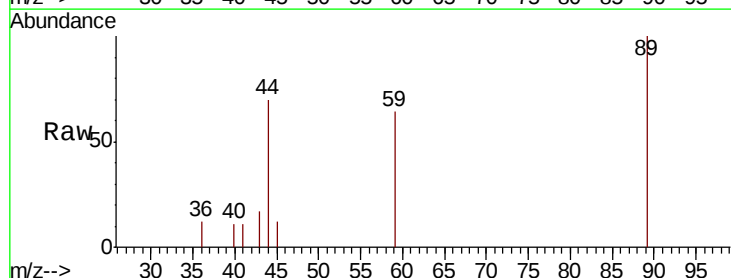
Acq: 13 Nov 2018 21:14

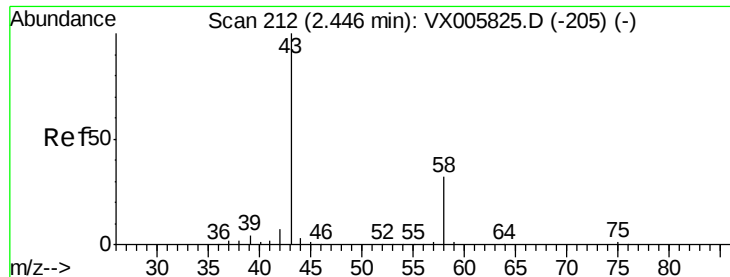
Tgt Ion: 59 Resp: 819

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 10.863 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005962.D

Acq: 13 Nov 2018 21:14

Instrument :

MSVOA_X

ClientSampleId :

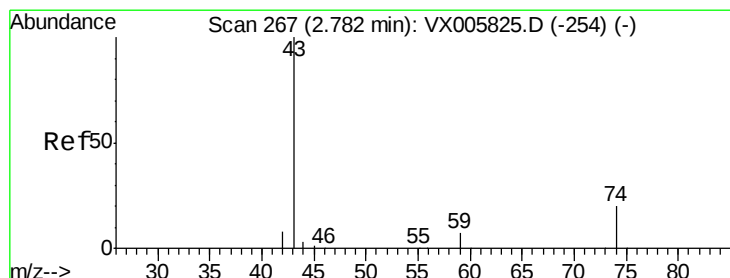
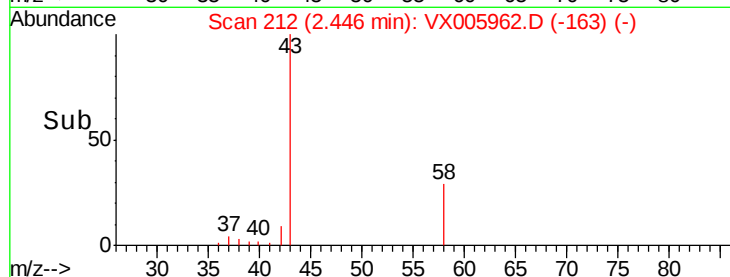
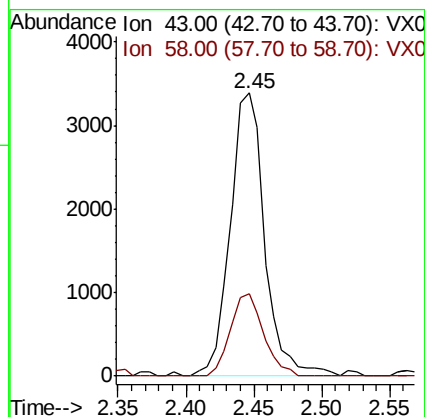
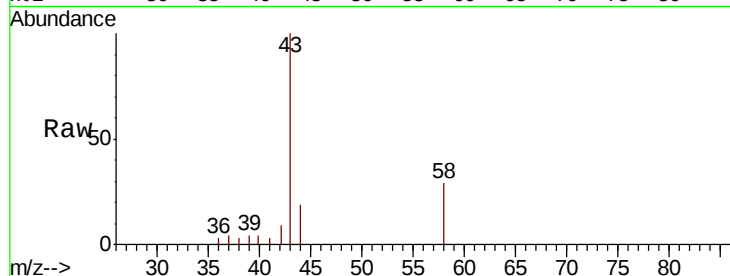
DOC-19-PRE-CHAR-COMPOSITE

Tot Ion: 43 Resp: 5969

Ion Ratio Lower Upper

43 100

58 29.1 23.8 35.6



#18

Methyl Acetate

Concen: 0.622 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005962.D

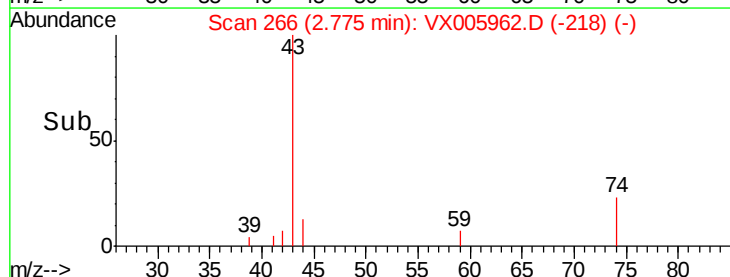
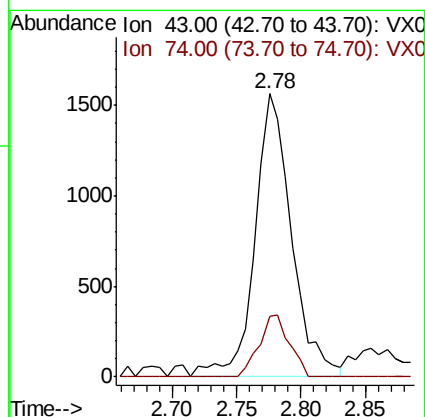
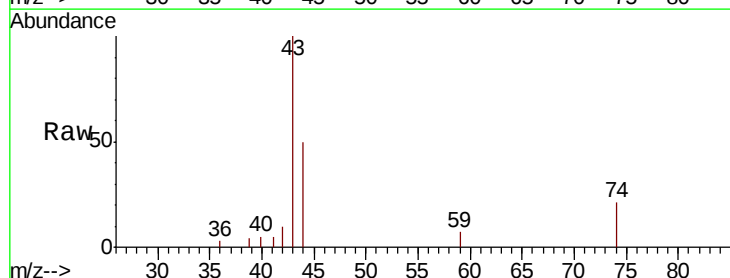
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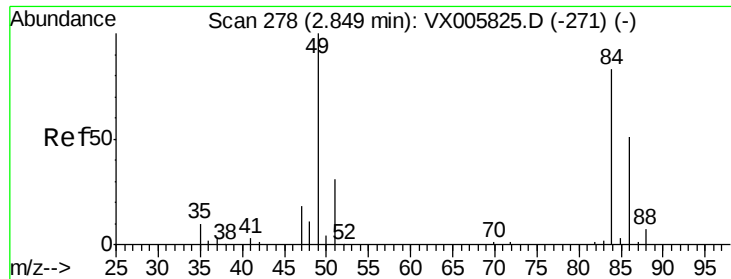
Tgt Ion: 43 Resp: 3073

Ion Ratio Lower Upper

43 100

74 17.9 16.8 25.2

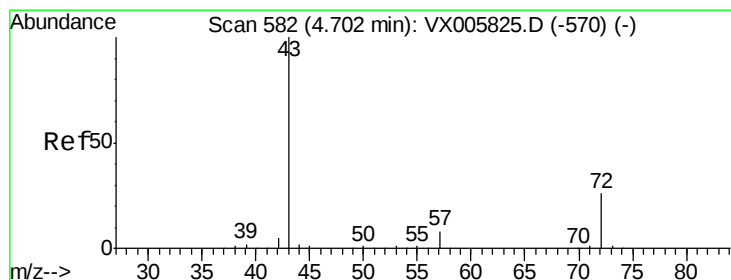
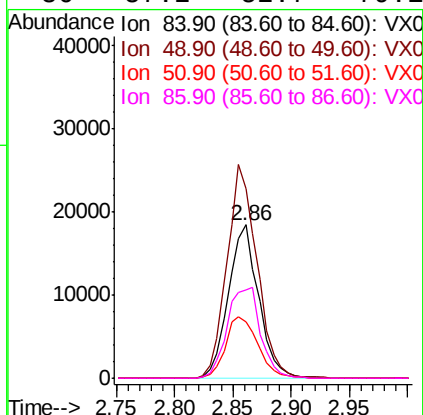
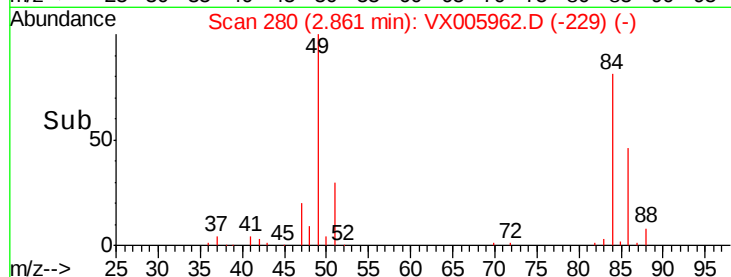
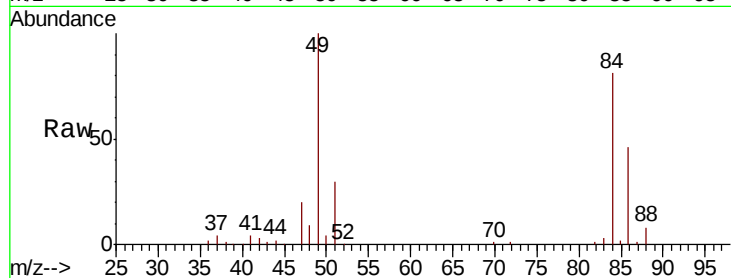




#20
Methvlene Chloride
Concen: 36.855 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

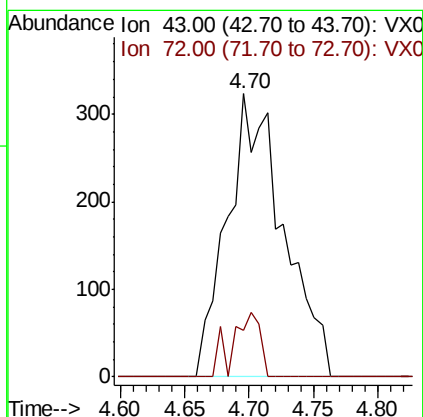
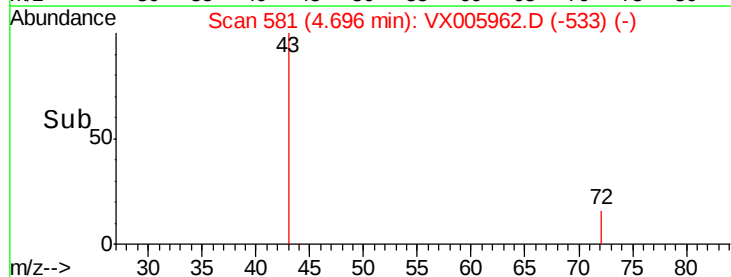
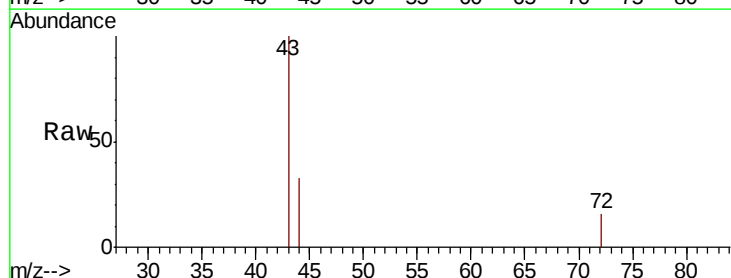
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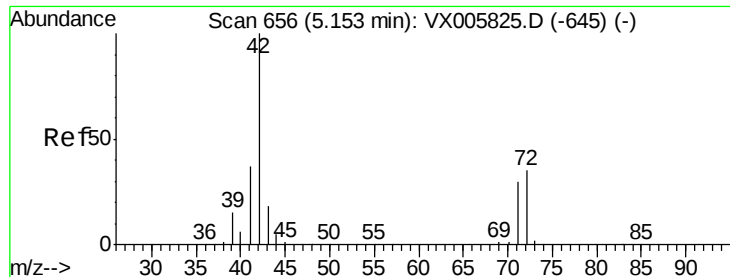
Tot Ion: 84 Resp: 33265
Ion Ratio Lower Upper
84 100
49 123.1 109.5 164.3
51 36.9 33.3 49.9
86 57.2 52.7 79.1



#25
2-Butanone
Concen: 1.132 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Tgt Ion: 43 Resp: 978
Ion Ratio Lower Upper
43 100
72 16.4 19.2 28.8#

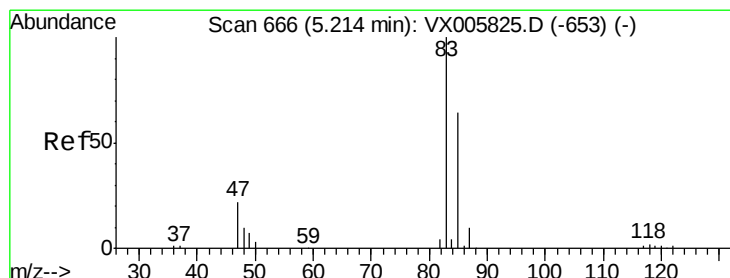
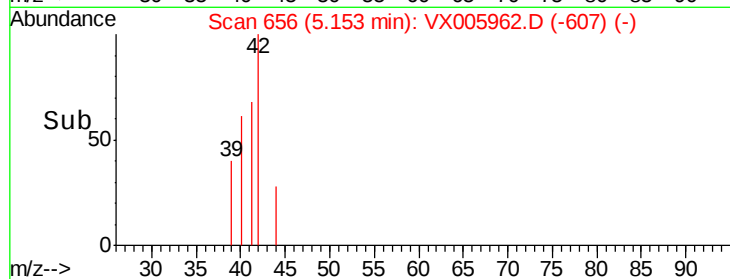
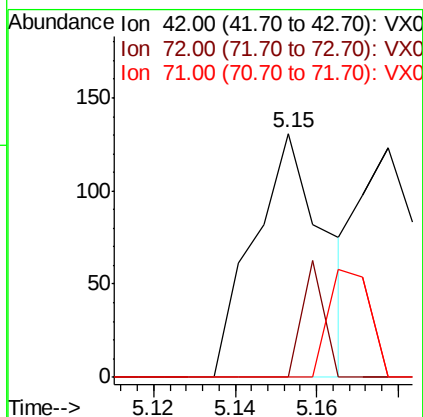
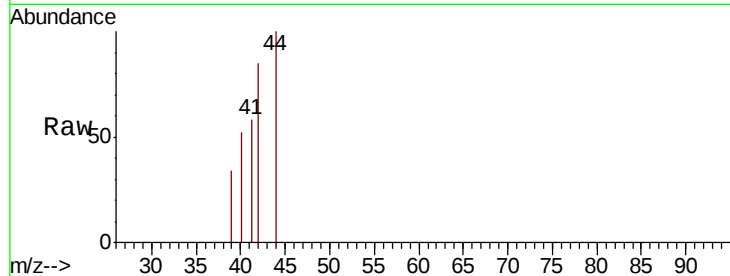




#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

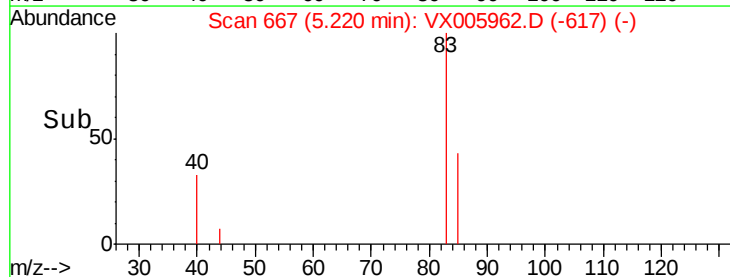
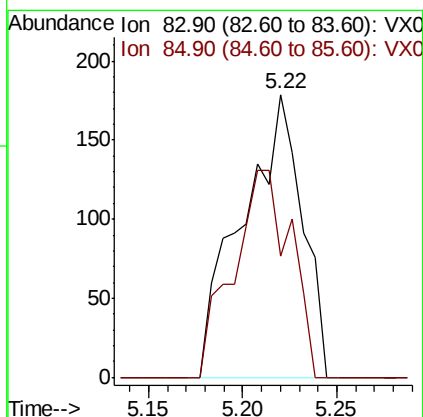
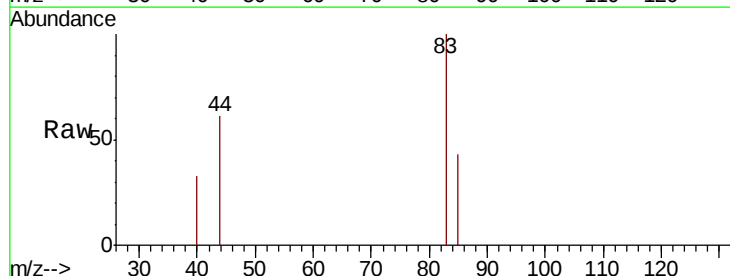
Instrument :
MSVOA_X
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

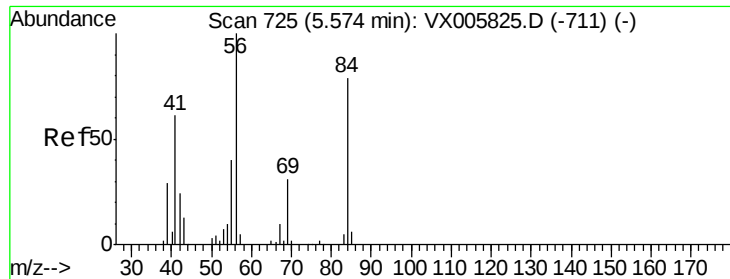
Tot Ion: 42 Resp: 158
Ion Ratio Lower Upper
42 100
72 14.6 32.0 48.0#
71 25.9 29.8 44.8#



#30
Chloroform
Concen: 0.250 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Tgt Ion: 83 Resp: 395
Ion Ratio Lower Upper
83 100
85 43.0 50.6 76.0#

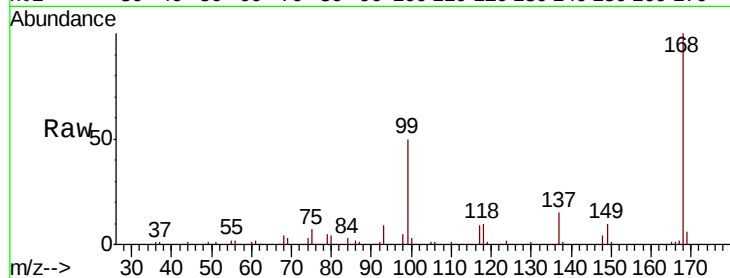




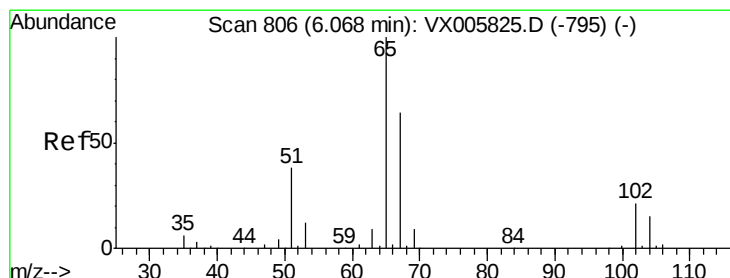
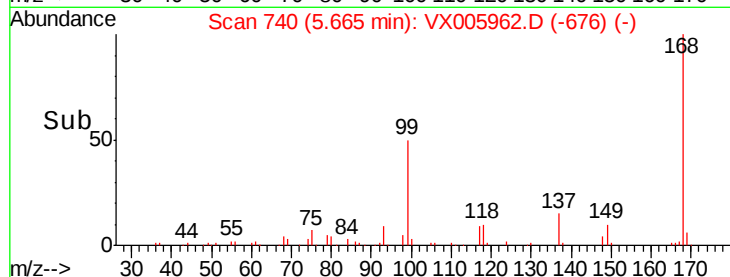
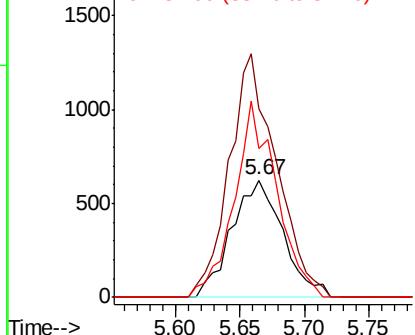
#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Instrument :
MSVOA_X
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

Tot Ion: 56 Resp: 1722
Ion Ratio Lower Upper
56 100
69 161.1 22.6 34.0#
84 127.1 62.7 94.1#

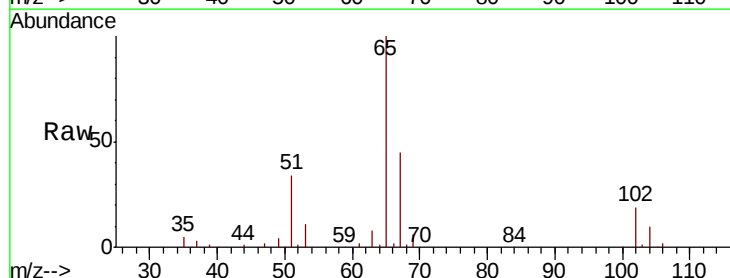


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

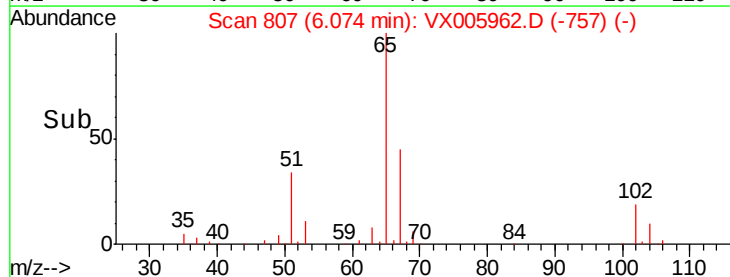
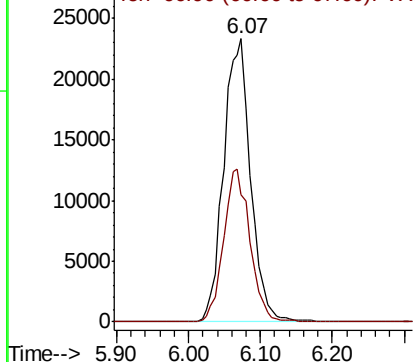


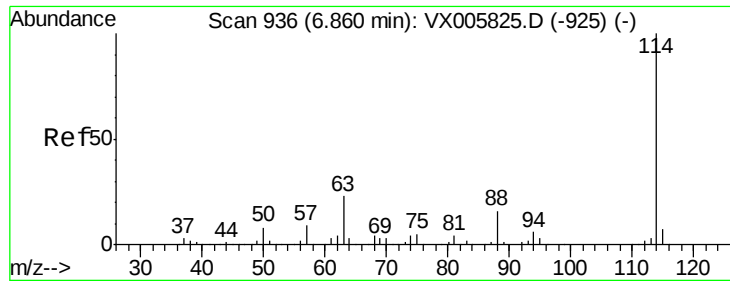
#33
1,2-Dichloroethane-d4
Concen: 59.383 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Tgt Ion: 65 Resp: 60600
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.0



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

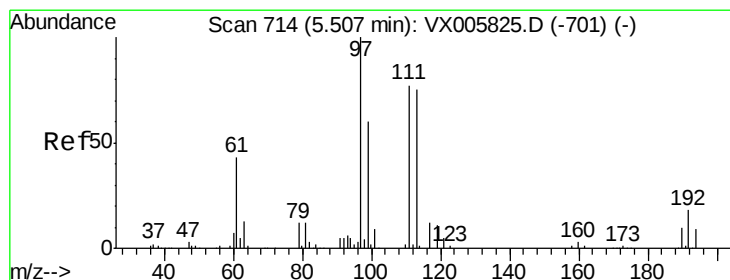
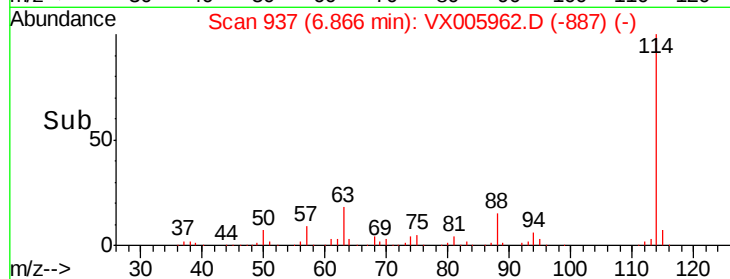
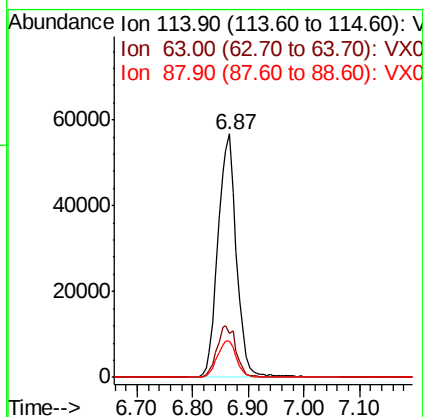
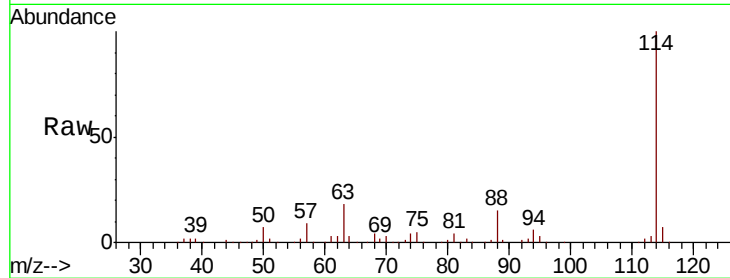




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005962.D
 Acq: 13 Nov 2018 21:14

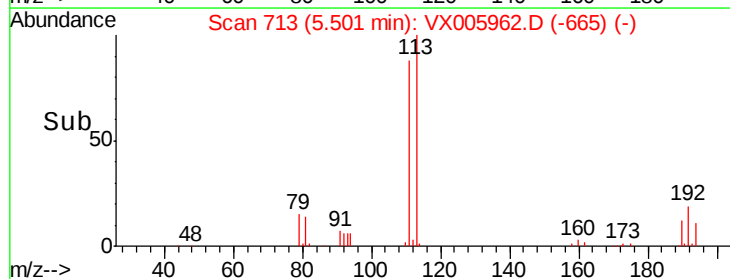
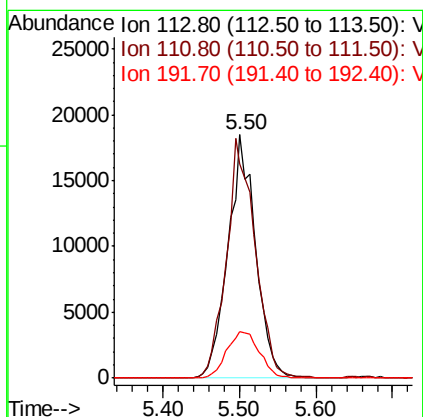
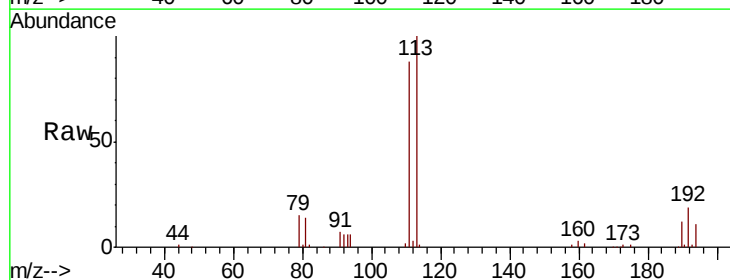
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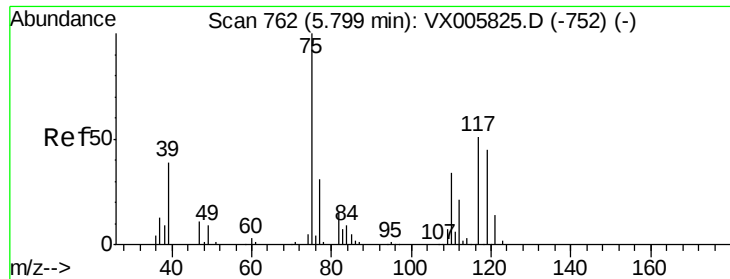
Tot Ion:114 Resp: 130650
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 42.8
 88 14.8 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 52.136 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005962.D
 Acq: 13 Nov 2018 21:14

Tgt Ion:113 Resp: 46329
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.3 123.5
 192 22.4 17.9 26.9

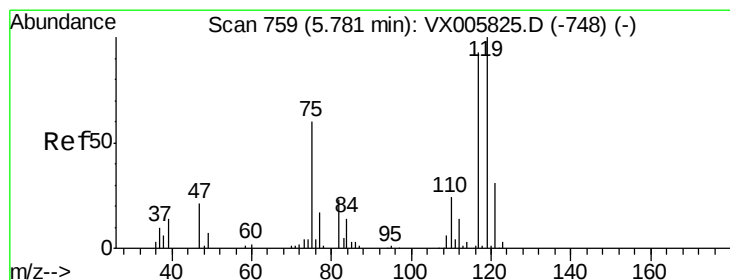
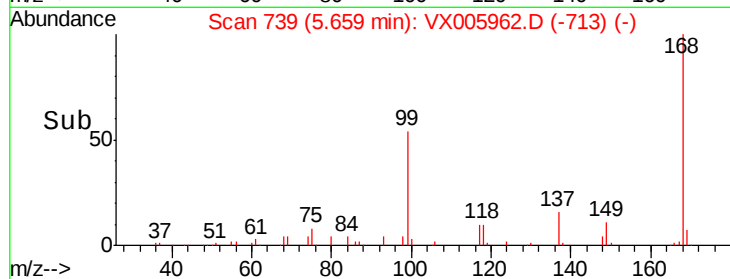
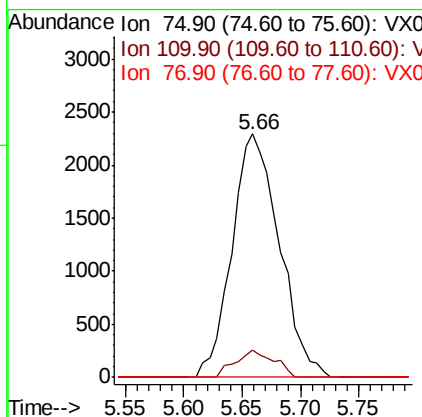
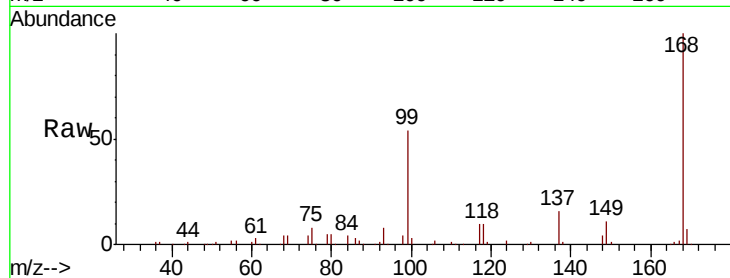




#36
 1,1-Dichloropropene
 Concen: 5.135 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005962.D
 Acq: 13 Nov 2018 21:14

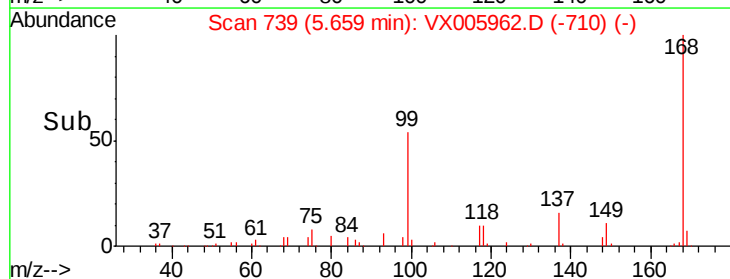
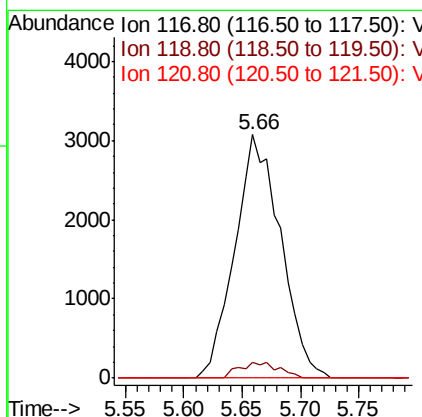
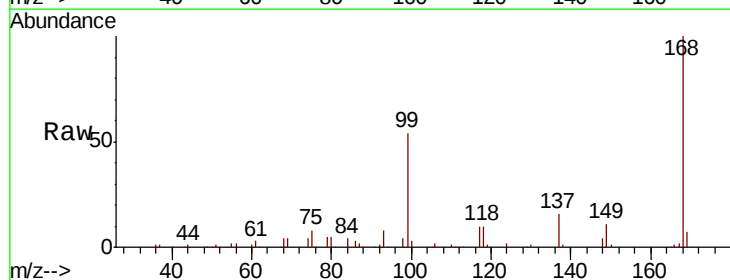
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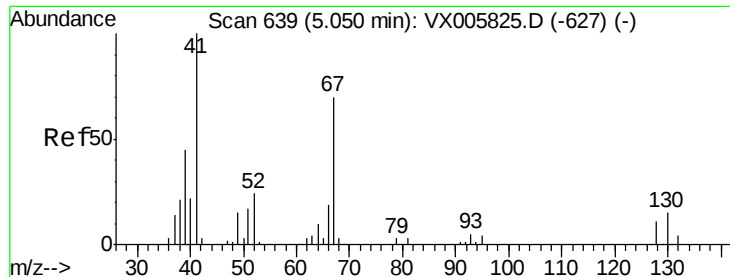
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.675 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005962.D
 Acq: 13 Nov 2018 21:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	78.1	117.1#
121	0.0	24.6	36.8#

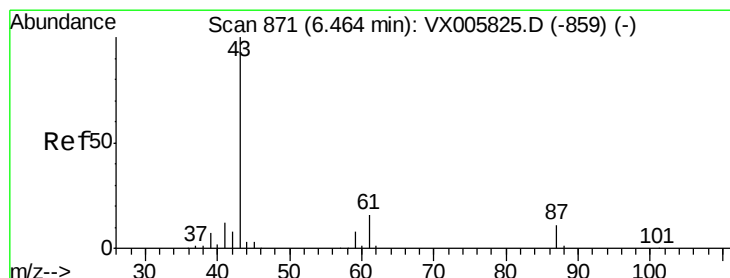
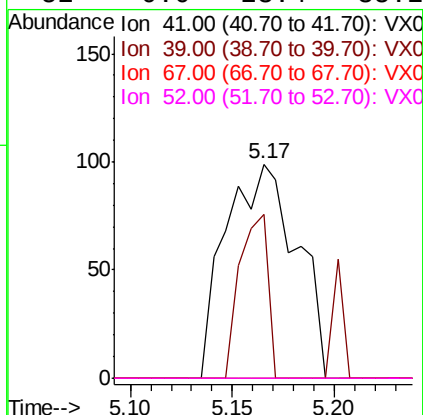
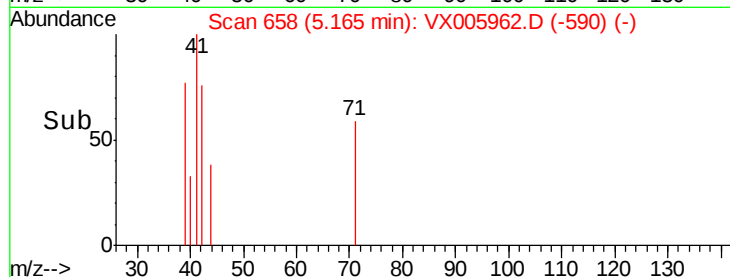
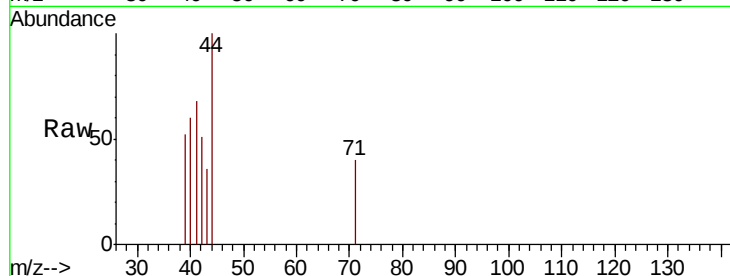




#41
Methacrylonitrile
Concen: 0.268 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.12 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

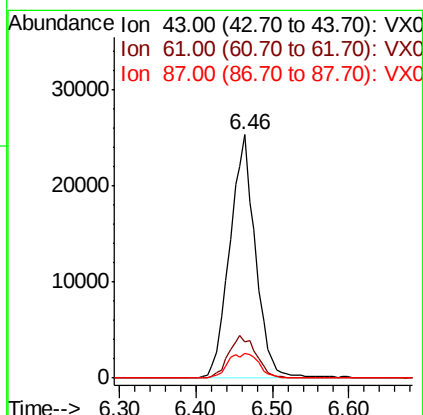
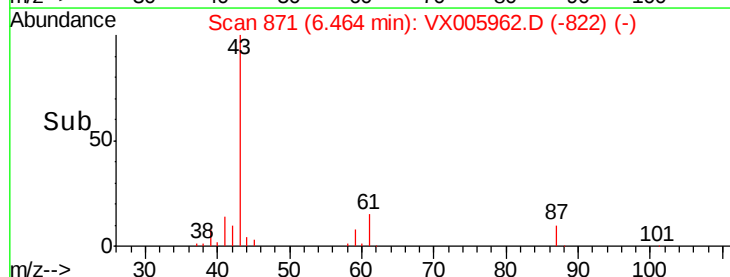
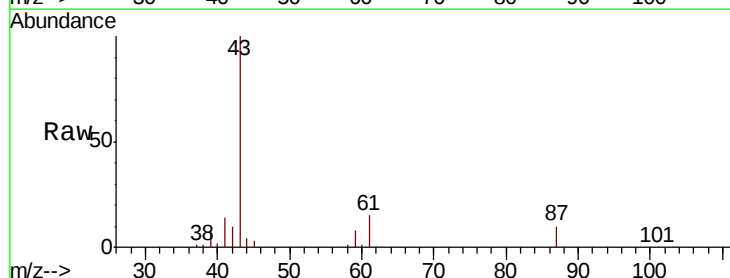
Instrument :
MSVOA_X
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

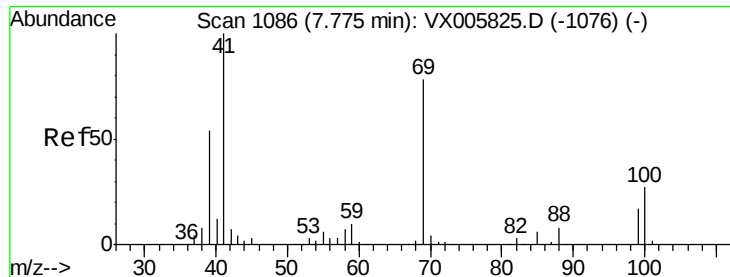
Tot Ion: 41 Resp: 240
Ion Ratio Lower Upper
41 100
39 30.0 42.2 63.2#
67 0.0 53.4 80.0#
52 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 24.468 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Tgt Ion: 43 Resp: 58722
Ion Ratio Lower Upper
43 100
61 18.9 14.6 22.0
87 12.2 9.6 14.4





#48

Methyl methacrylate

Concen: 2.003 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX005962.D

Acq: 13 Nov 2018 21:14

Instrument :

MSVOA_X

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

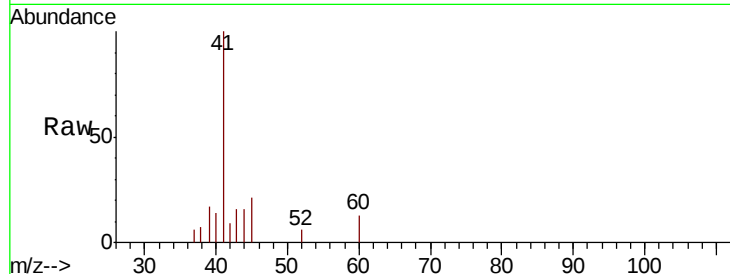
Tot Ion: 41 Resp: 2158

Ion Ratio Lower Upper

41 100

69 0.0 63.2 94.8#

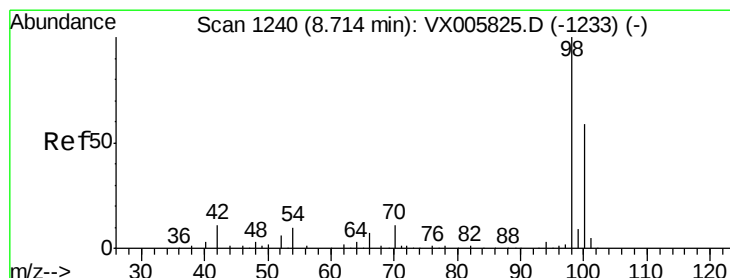
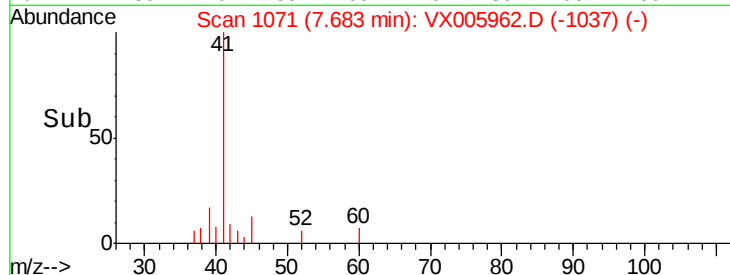
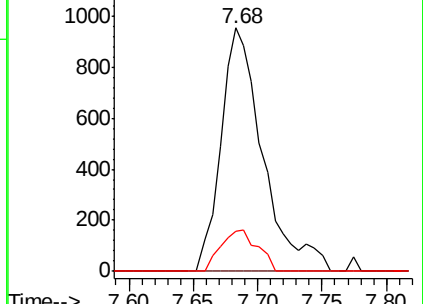
39 14.8 42.2 63.2#



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: 53.098 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005962.D

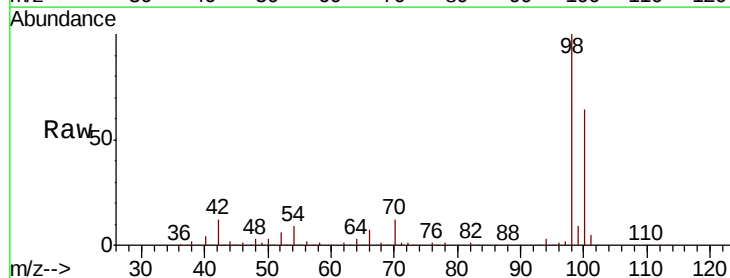
Acq: 13 Nov 2018 21:14

Tgt Ion: 98 Resp: 156865

Ion Ratio Lower Upper

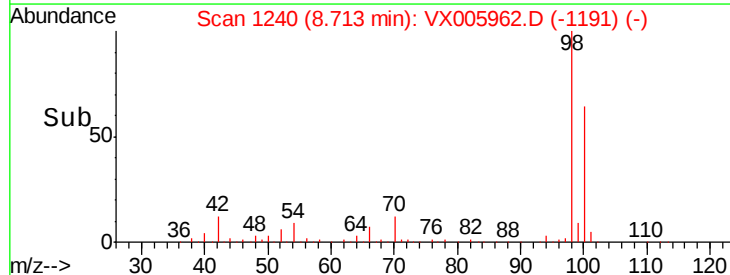
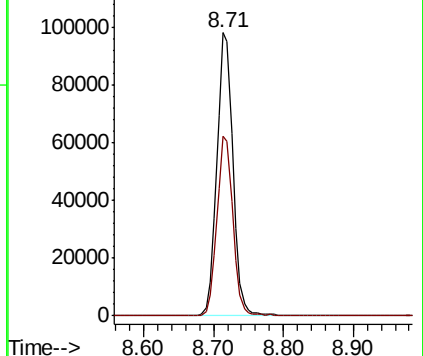
98 100

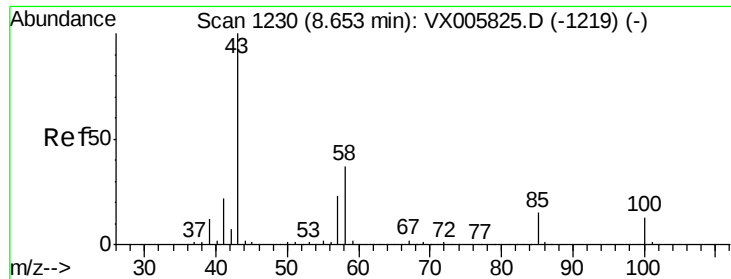
100 63.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

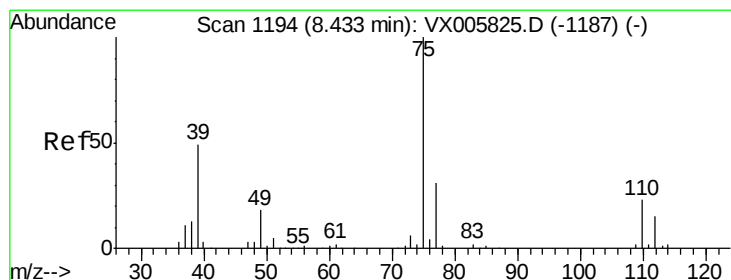
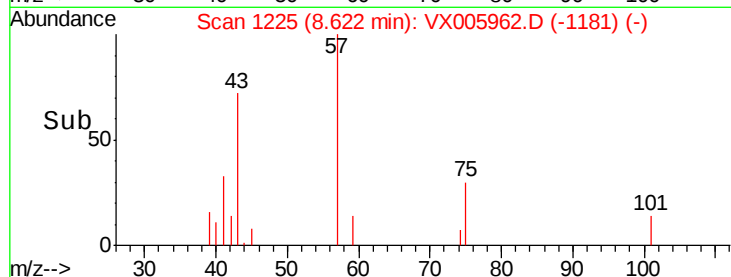
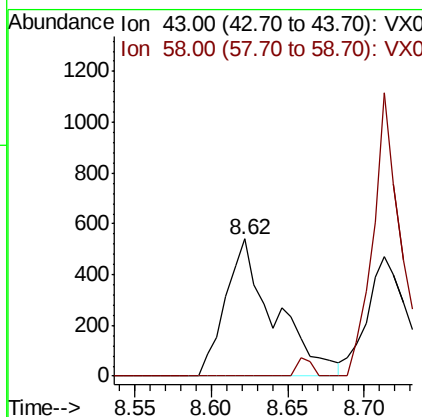
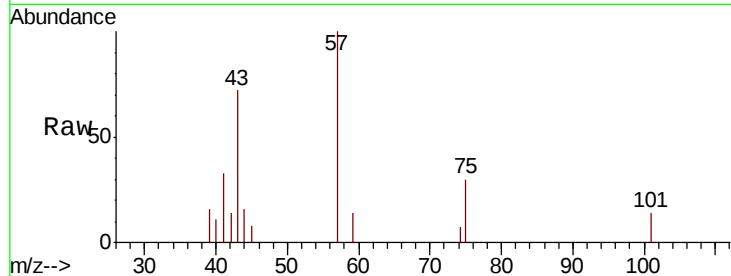




#51
4-Methyl-2-Pentanone
Concen: 0.796 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

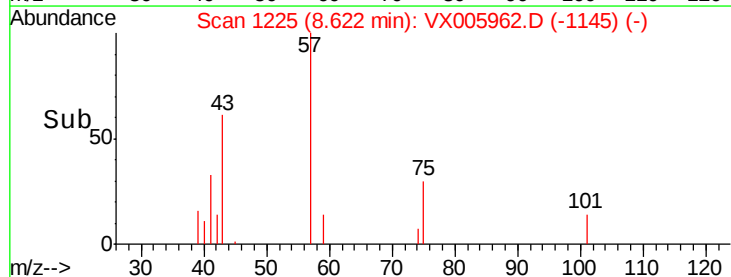
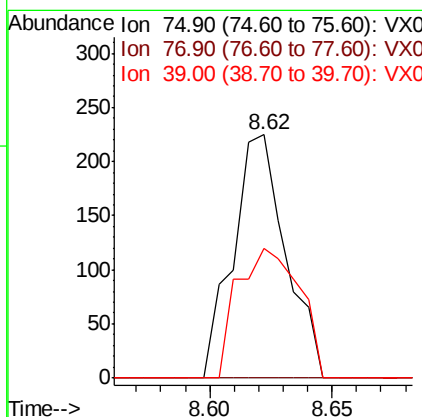
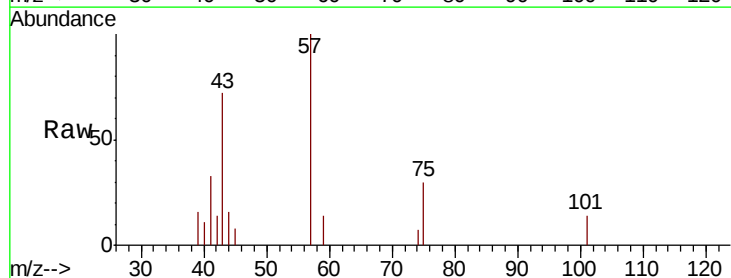
Instrument :
MSVOA_X
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

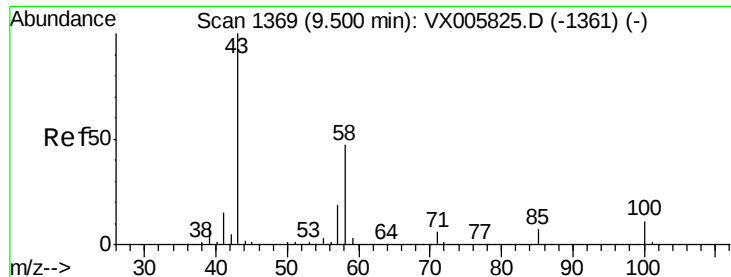
Tot Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#



#54
cis-1,3-Dichloropropene
Concen: 0.264 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. 0.19 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Tgt Ion: 75 Resp: 336
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 53.3 38.2 57.2

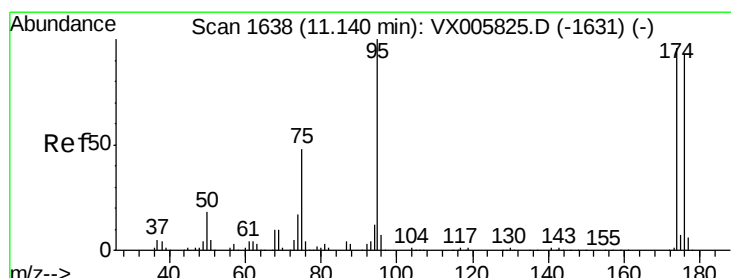
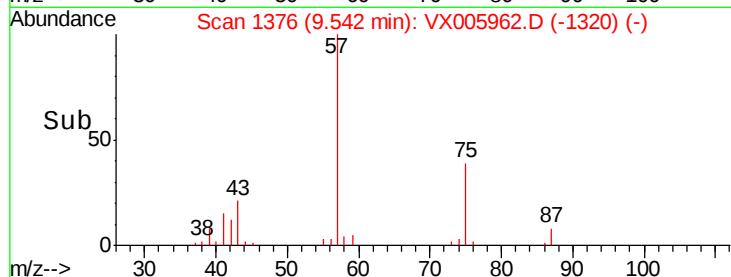
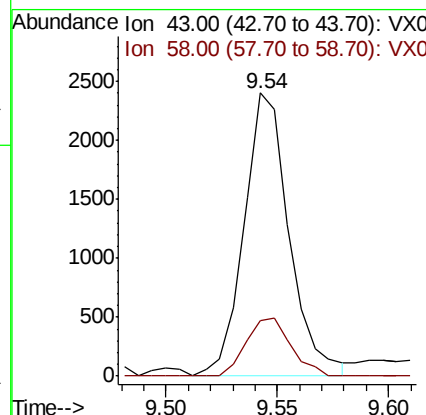
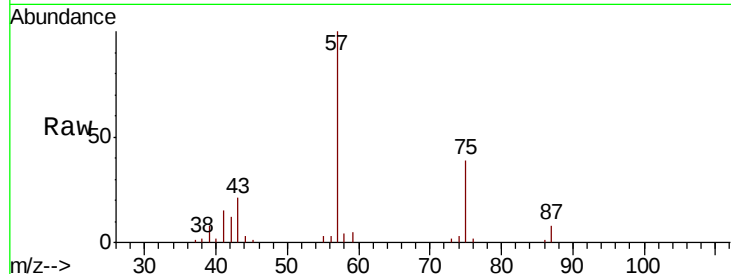




#59
2-Hexanone
Concen: 2.549 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

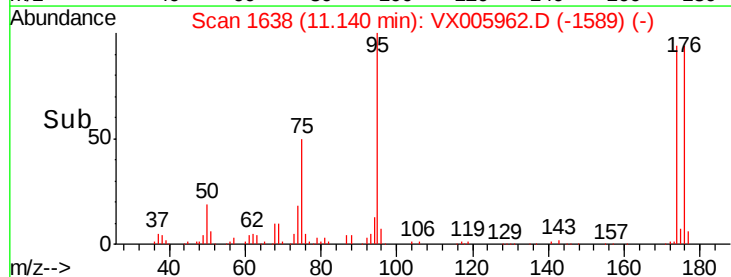
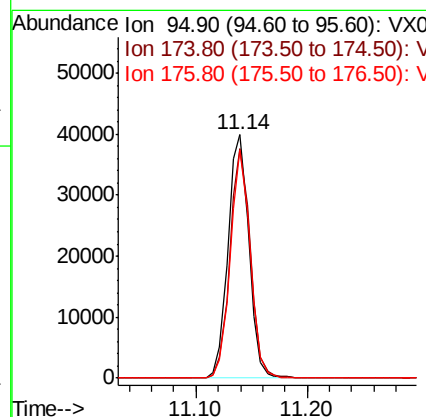
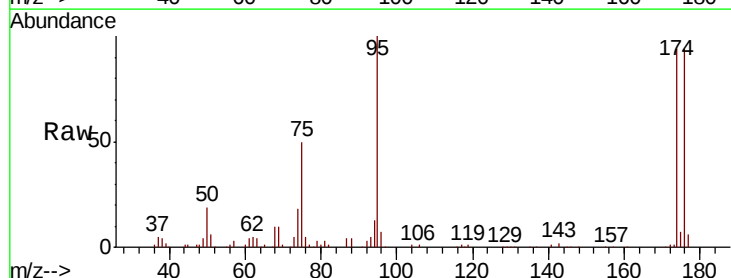
Instrument :
MSVOA_X
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

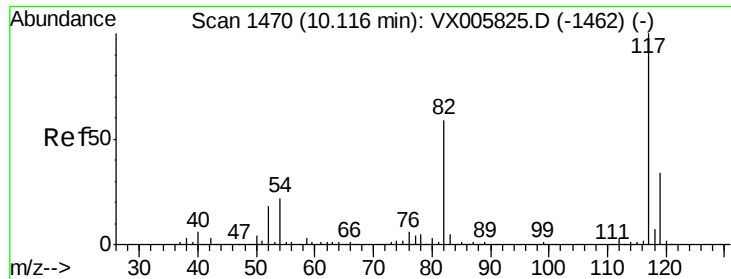
Tot Ion: 43 Resp: 3399
Ion Ratio Lower Upper
43 100
58 20.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 48.787 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Tgt Ion: 95 Resp: 51820
Ion Ratio Lower Upper
95 100
174 92.8 0.0 184.4
176 89.1 0.0 177.4

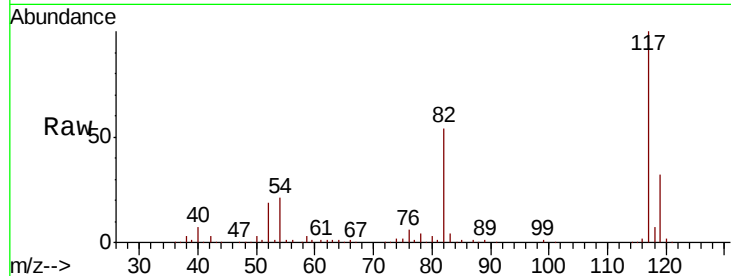




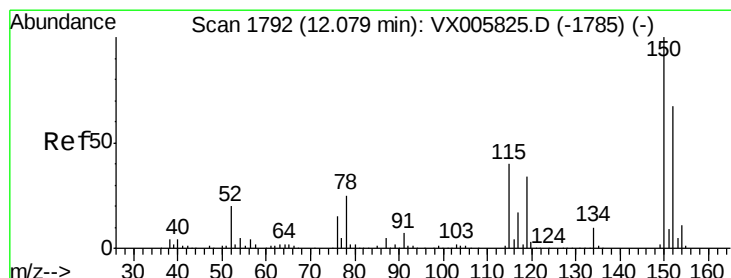
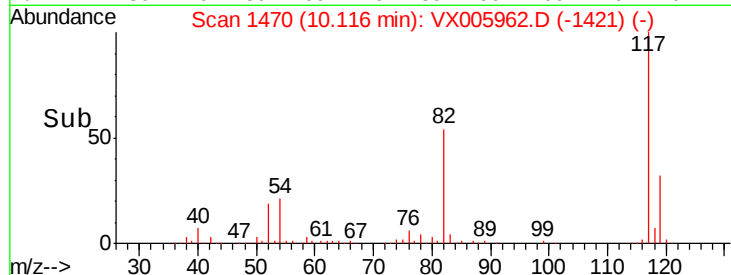
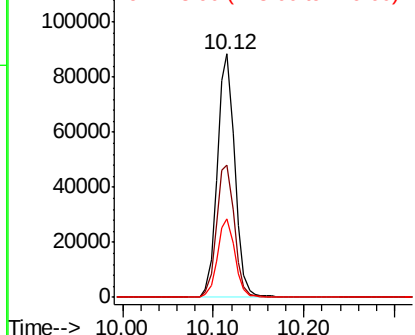
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Instrument :
MSVOA_X
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

Tot Ion:117 Resp: 119846
Ion Ratio Lower Upper
117 100
82 54.5 44.1 66.1
119 32.1 26.2 39.2

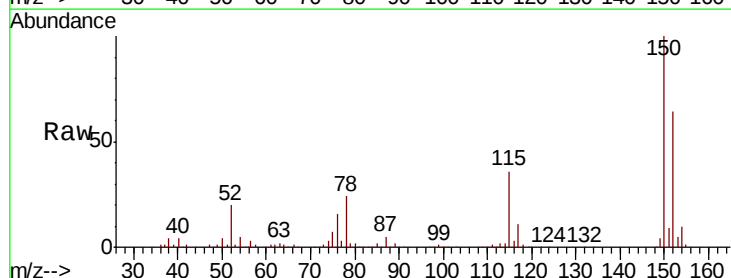


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

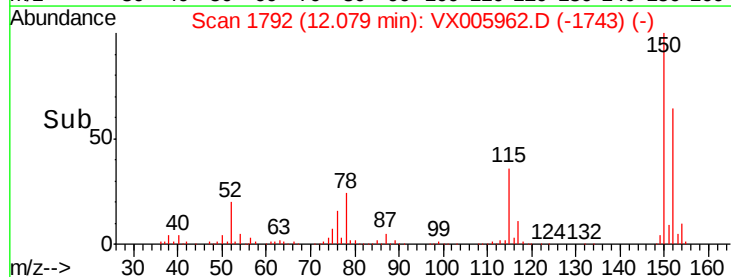
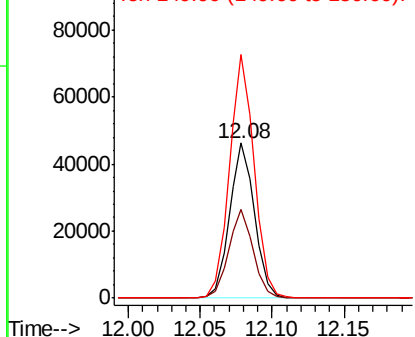


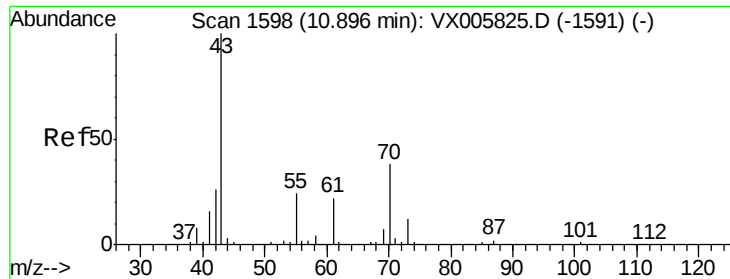
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Tgt Ion:152 Resp: 56187
Ion Ratio Lower Upper
152 100
115 56.3 39.4 118.1
150 155.7 0.0 346.4



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

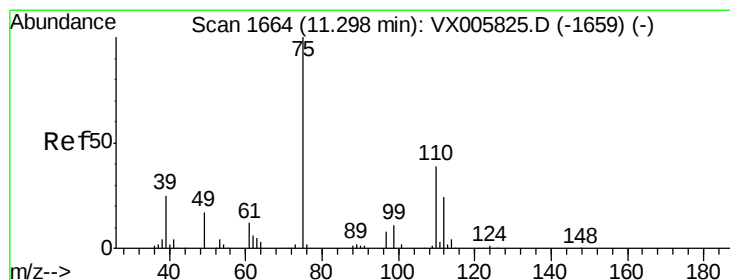
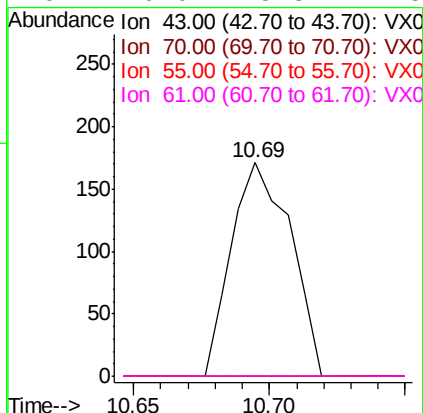
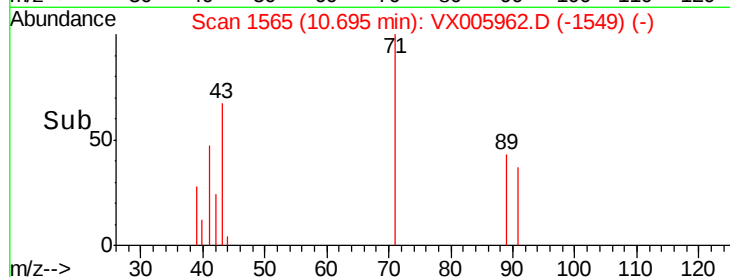
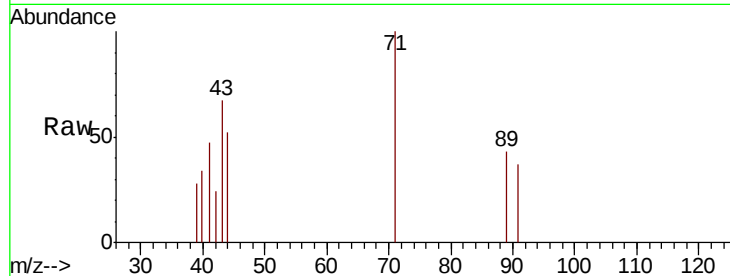




#74
N-amvl acetate
Concen: 1.389 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.20 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

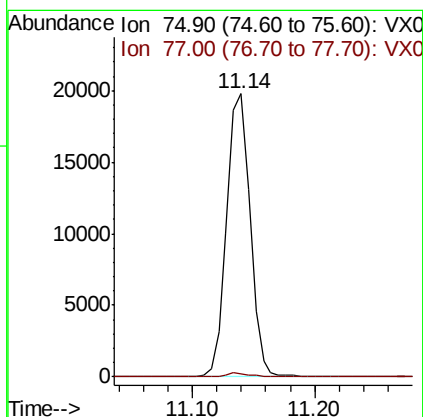
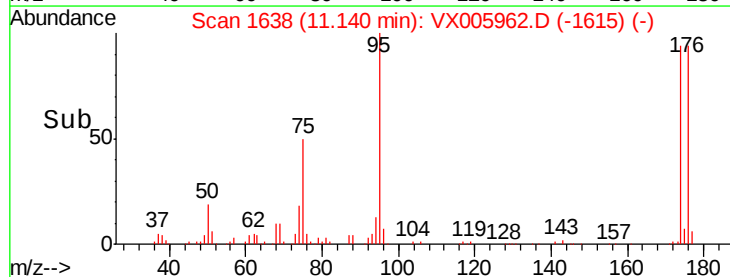
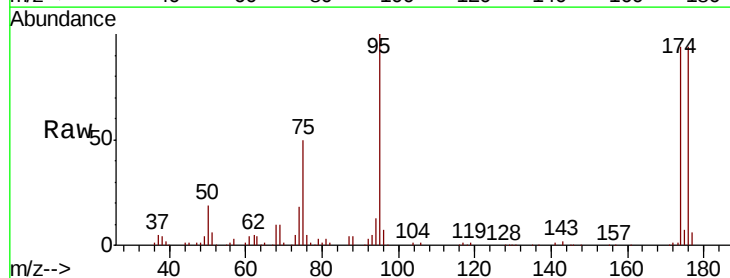
Instrument :
MSVOA_X
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

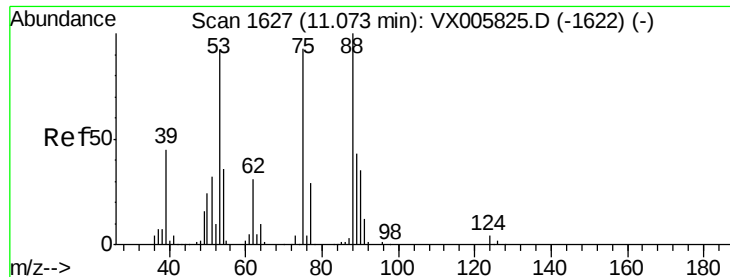
Tot Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
70 0.0 31.6 47.4#
55 0.0 19.7 29.5#
61 0.0 18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 23.049 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Tgt Ion: 75 Resp: 26370
Ion Ratio Lower Upper
75 100
77 1.3 20.5 61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.461 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005962.D

Acq: 13 Nov 2018 21:14

Instrument :

MSVOA_X

ClientSampleId :

DOC-19-PRE-CHAR-COMPOSITE

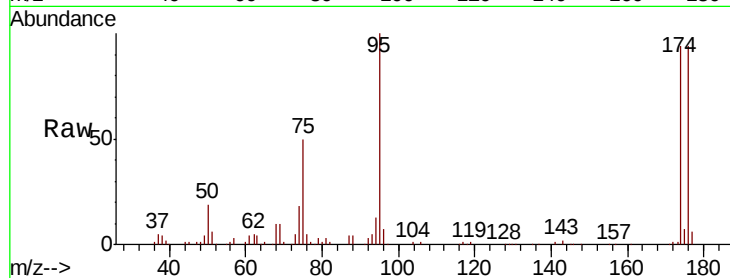
Tot Ion: 75 Resp: 26370

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

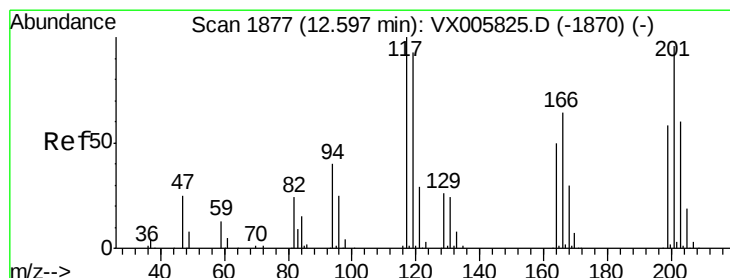
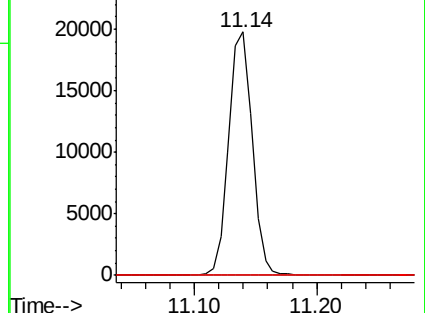
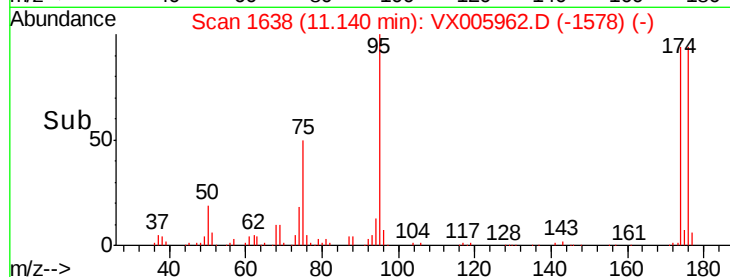
89 0.0 39.8 59.8#



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: 0.281 ug/l

RT: 12.76 min Scan# 1903

Delta R.T. 0.16 min

Lab File: VX005962.D

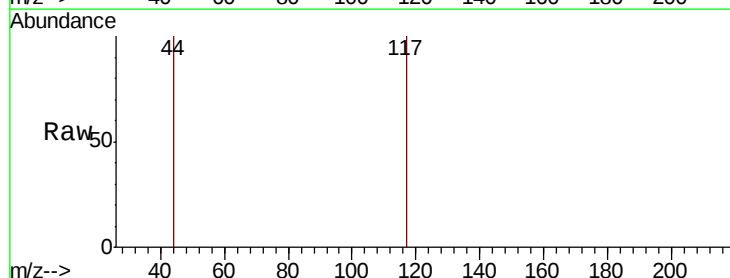
Acq: 13 Nov 2018 21:14

Tgt Ion: 117 Resp: 142

Ion Ratio Lower Upper

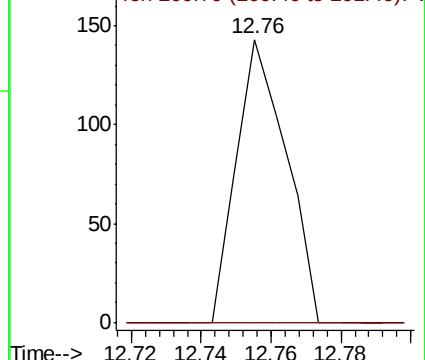
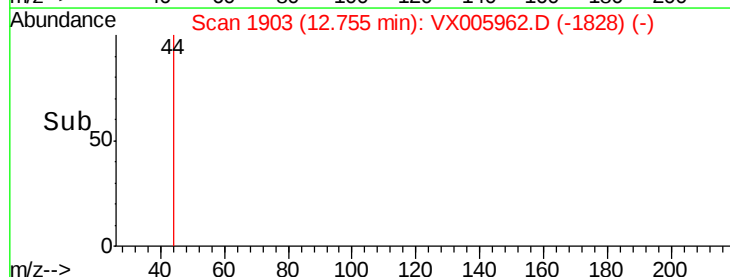
117 100

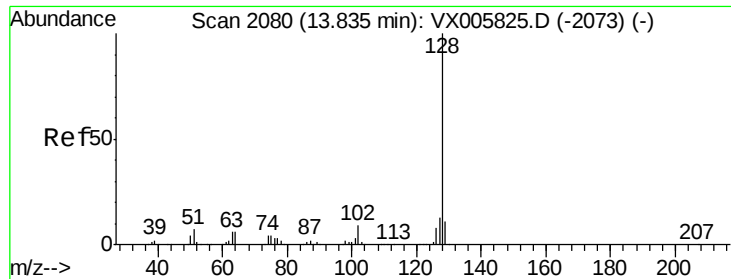
201 0.0 47.9 143.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

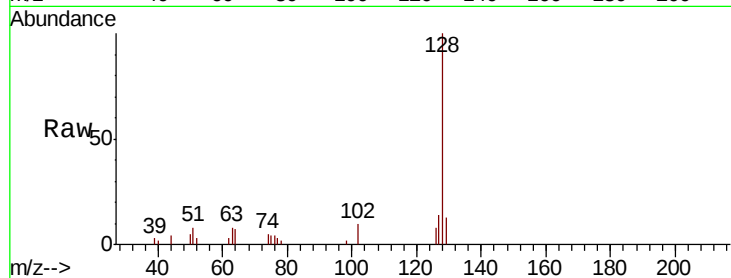




#95
Naphthalene
Concen: 1.964 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005962.D
Acq: 13 Nov 2018 21:14

Instrument :
MSVOA_X
ClientSampleId :
DOC-19-PRE-CHAR-COMPOSITE

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.4	15.6
129	11.3	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

