

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012073.D
 Acq On : 05 Sep 2019 01:57
 Operator : SY/SP
 Sample : K4545-05
 Misc : 3.54g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T16-17-E2-(2.25)

Quant Time: Sep 05 05:29:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	140735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	250513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	178876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	41318	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	96848	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	5.48	113	73875	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
50) Toluene-d8	8.71	98	268349	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.14	95	76764	29.20	ug/l	0.00
Spiked Amount			Recovery	=	58.40%	

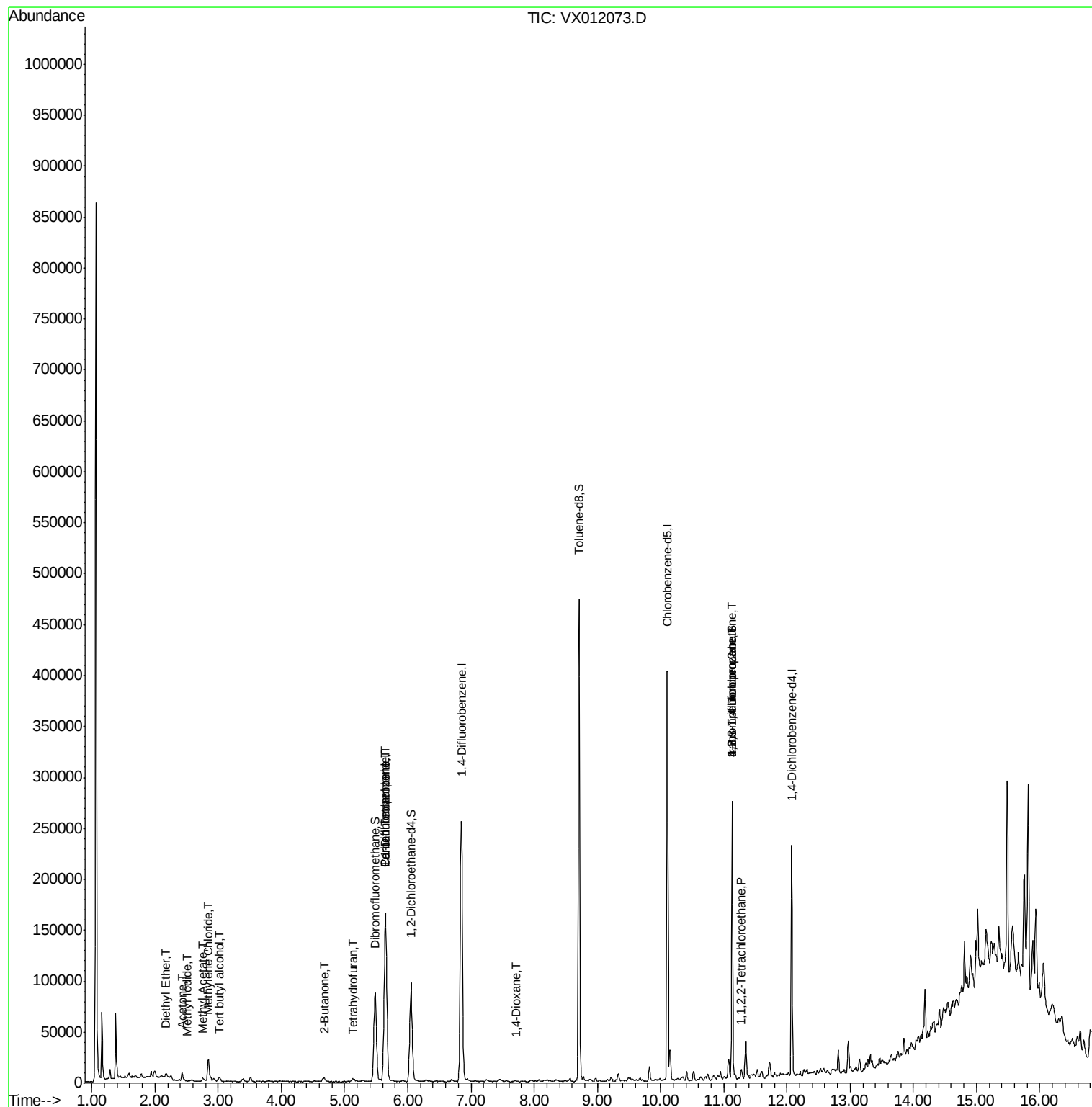
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1267	1.888	ug/l	95
10) Methyl Iodide	2.50	142	217	7.116	ug/l #	71
11) Tert butyl alcohol	3.01	59	4800	25.735	ug/l	95
13) Acrolein	2.30	56	172	Below Cal	#	77
16) Acetone	2.43	43	8854	19.076	ug/l	93
18) Methyl Acetate	2.75	43	2092	1.913	ug/l #	86
20) Methylene Chloride	2.84	84	10070	5.403	ug/l	97
25) 2-Butanone	4.69	43	1521	2.574	ug/l	97
29) Tetrahydrofuran	5.13	42	2482	6.972	ug/l	95
36) 1,1-Dichloropropene	5.64	75	13161	5.965	ug/l #	49
38) Carbon Tetrachloride	5.65	117	16541	7.115	ug/l #	15
49) 1,4-Dioxane	7.72	88	20	1.196	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	1040	1.646	ug/l #	64
76) 1,2,3-Trichloropropane	11.14	75	39898	79.031	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	39898	186.840	ug/l #	10

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012073.D

Acq: 05 Sep 2019 01:57

Instrument :

MSVOA_X

ClientSampleId :

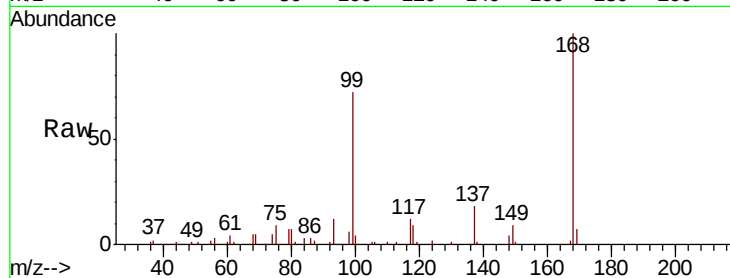
T16-17-E2-(2.25)

Tgt Ion:168 Resp: 140735

Ion Ratio Lower Upper

168 100

99 72.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

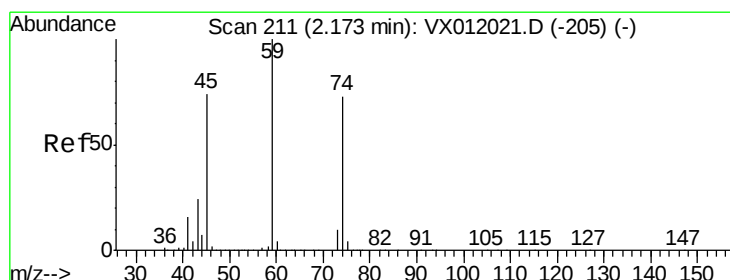
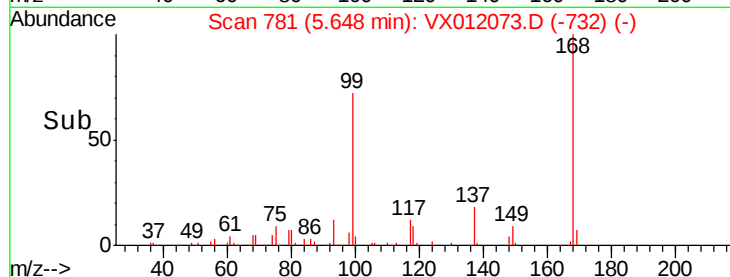
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.888 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012073.D

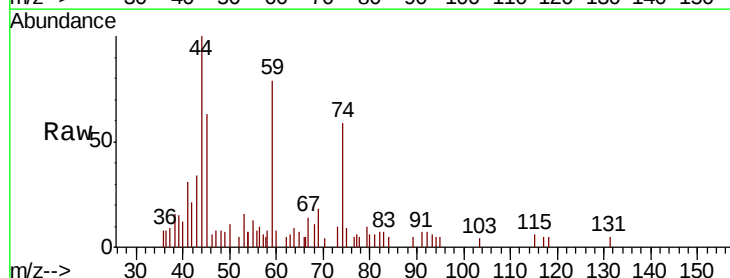
Acq: 05 Sep 2019 01:57

Tgt Ion: 74 Resp: 1267

Ion Ratio Lower Upper

74 100

45 96.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

800

600

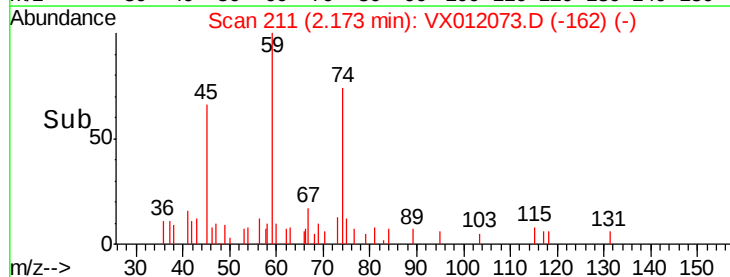
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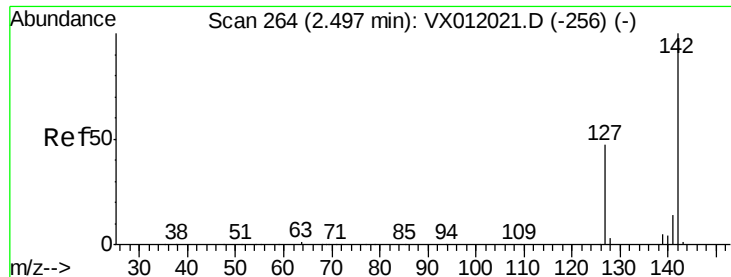
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0

Time-->

2.10 2.15 2.20 2.25

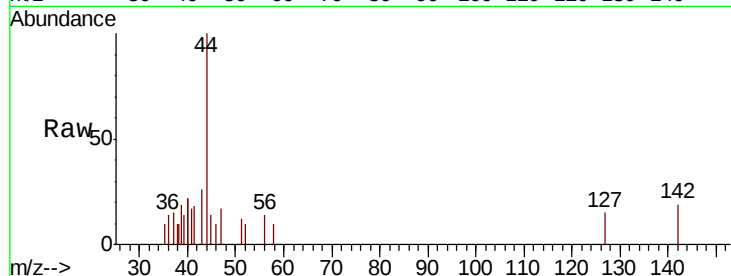




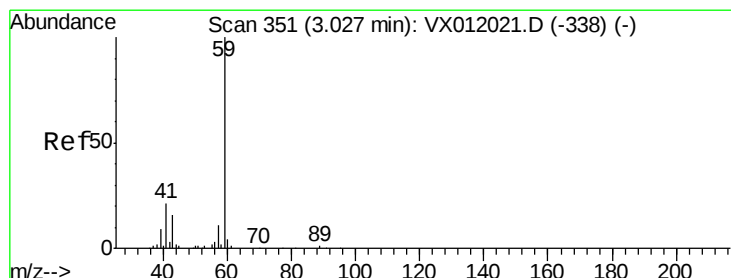
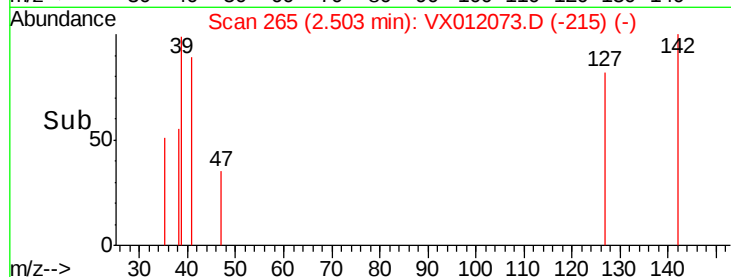
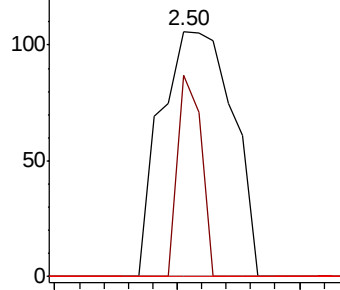
#10
Methyl Iodide
Concen: 7.116 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)

Tgt Ion:142 Resp: 217
Ion Ratio Lower Upper
142 100
127 26.7 35.4 53.2#
141 0.0 11.4 17.2#

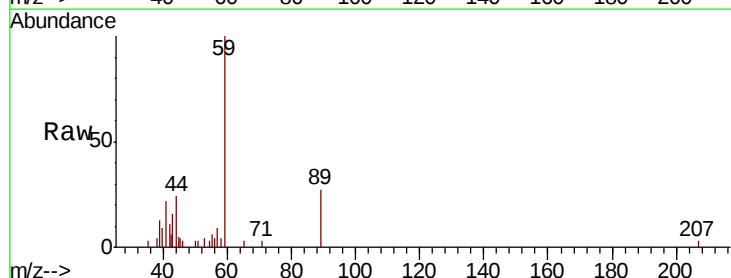


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

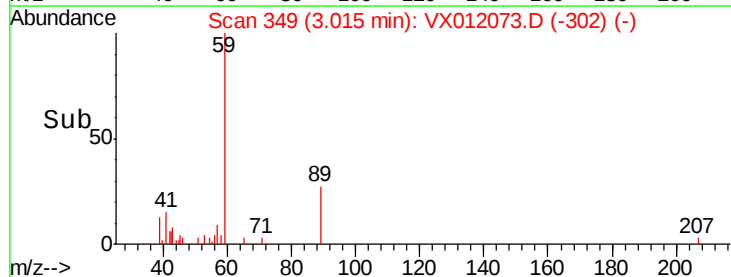
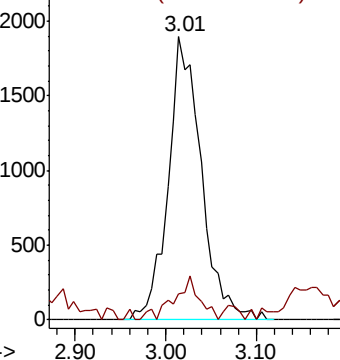


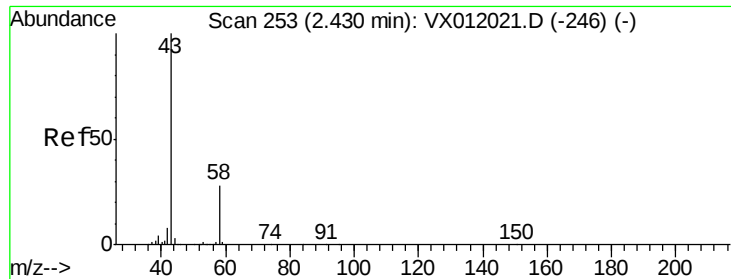
#11
Tert butyl alcohol
Concen: 25.735 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

Tgt Ion: 59 Resp: 4800
Ion Ratio Lower Upper
59 100
57 11.8 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 19.076 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012073.D

Acq: 05 Sep 2019 01:57

Instrument :

MSVOA_X

ClientSampleId :

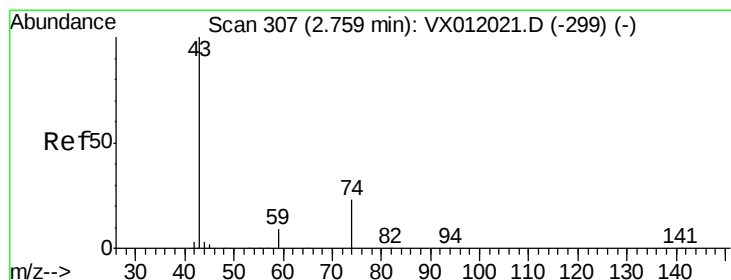
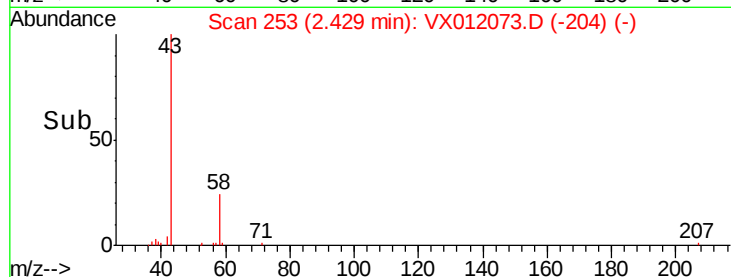
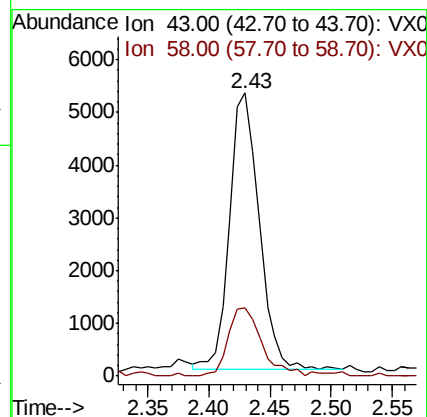
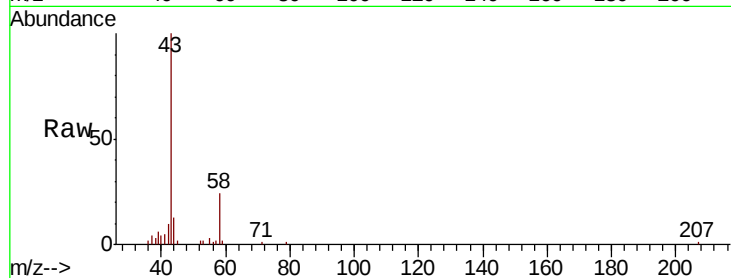
T16-17-E2-(2.25)

Tgt Ion: 43 Resp: 8854

Ion Ratio Lower Upper

43 100

58 24.9 22.8 34.2



#18

Methyl Acetate

Concen: 1.913 ug/l

RT: 2.75 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX012073.D

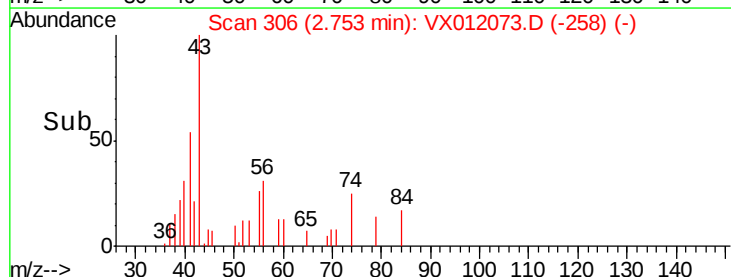
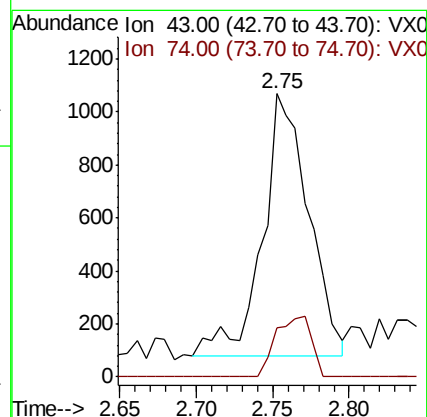
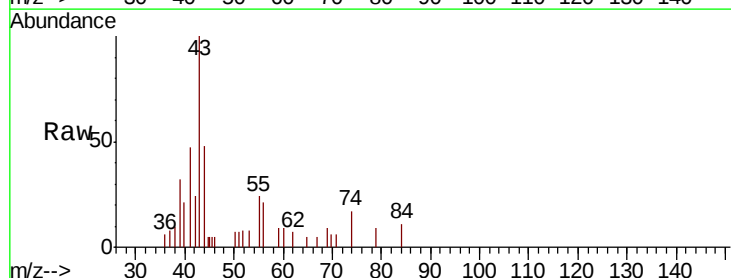
Acq: 05 Sep 2019 01:57

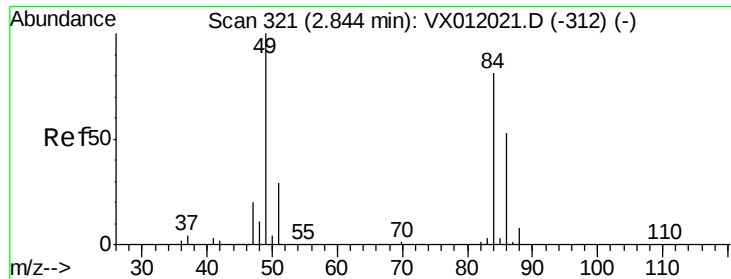
Tgt Ion: 43 Resp: 2092

Ion Ratio Lower Upper

43 100

74 17.6 19.5 29.3#

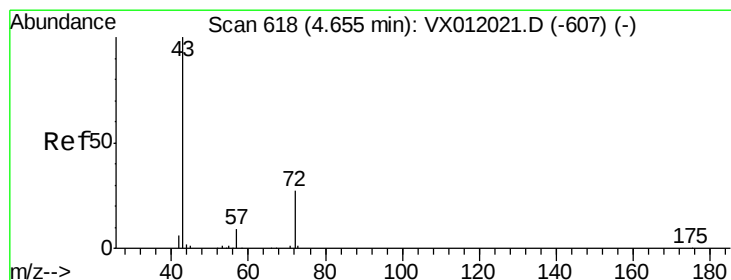
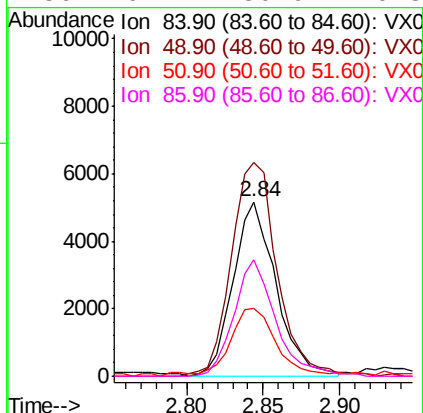
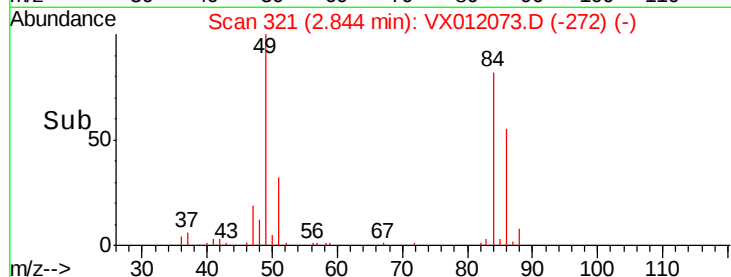
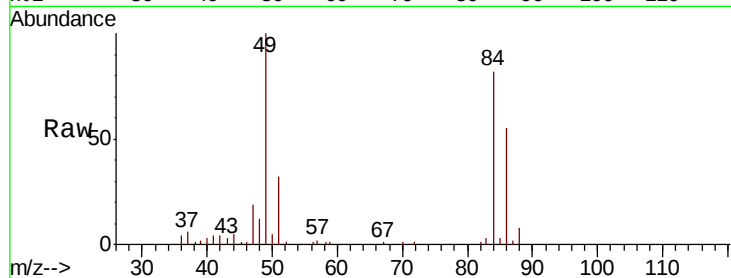




#20
Methylene Chloride
Concen: 5.403 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

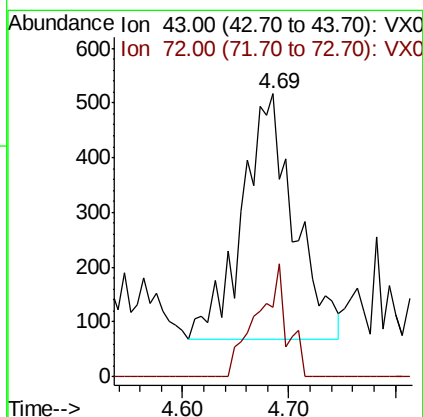
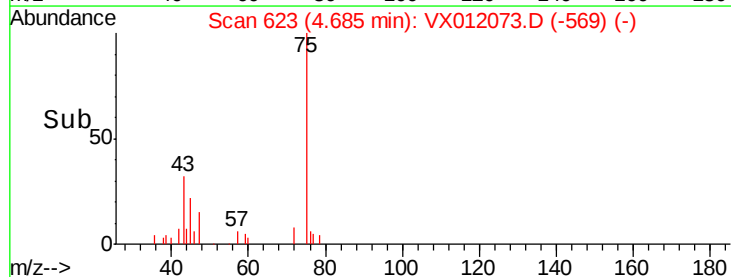
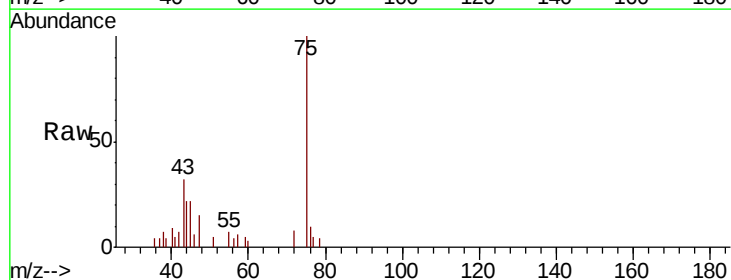
Instrument :
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ClientSampleId :
T16-17-E2-(2.25)

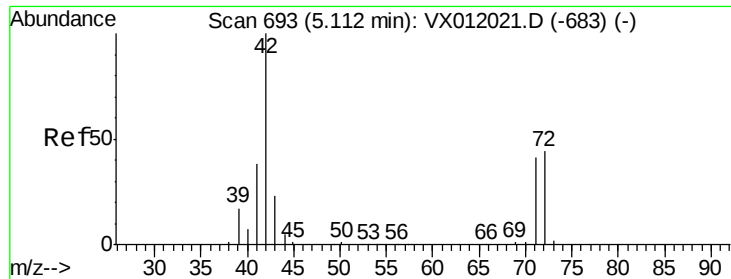
Tgt Ion:	84	Resp:	10070
Ion	Ratio	Lower	Upper
84	100		
49	121.3	95.8	143.8
51	37.8	28.6	43.0
86	67.1	50.9	76.3



#25
2-Butanone
Concen: 2.574 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.03 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

Tgt Ion:	43	Resp:	1521
Ion	Ratio	Lower	Upper
43	100		
72	28.3	21.3	31.9

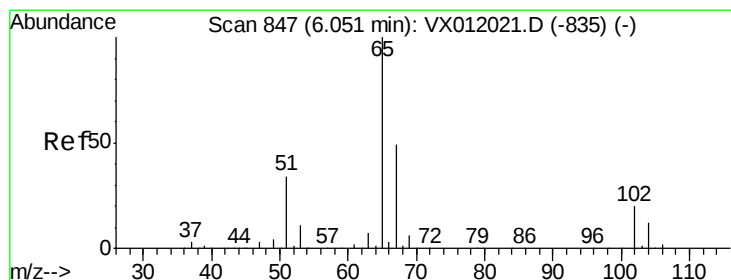
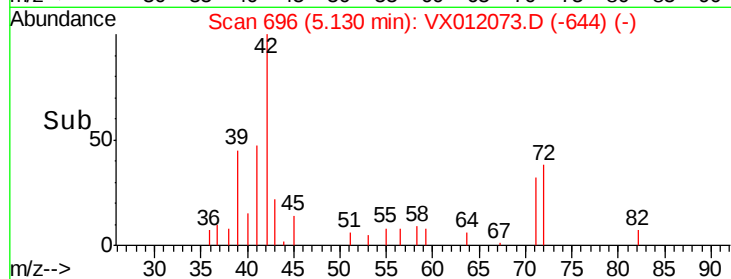
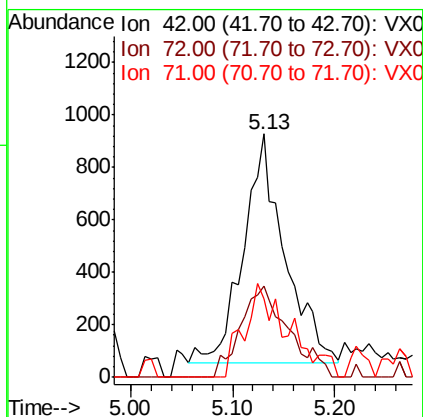
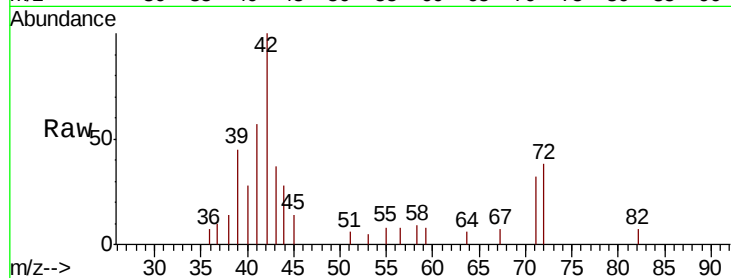




#29
Tetrahydrofuran
Concen: 6.972 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

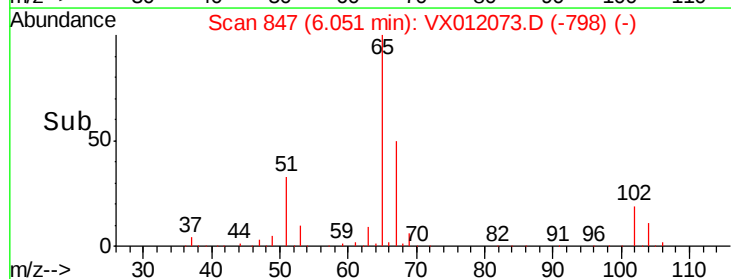
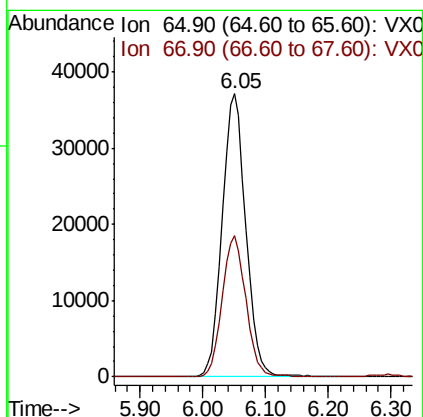
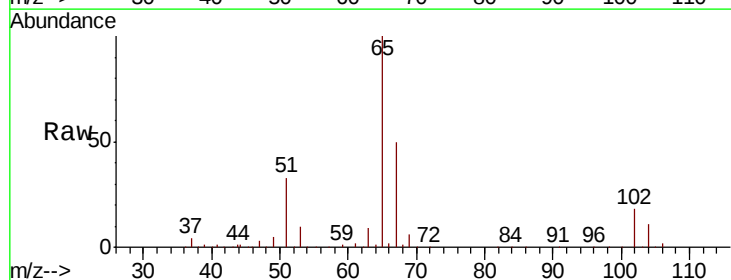
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)

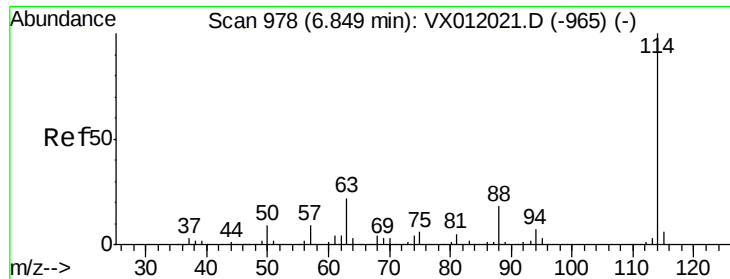
Tgt Ion: 42 Resp: 2482
Ion Ratio Lower Upper
42 100
72 42.4 37.0 55.4
71 39.7 33.8 50.8



#33
1,2-Dichloroethane-d4
Concen: 49.874 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

Tgt Ion: 65 Resp: 96848
Ion Ratio Lower Upper
65 100
67 49.7 0.0 102.0

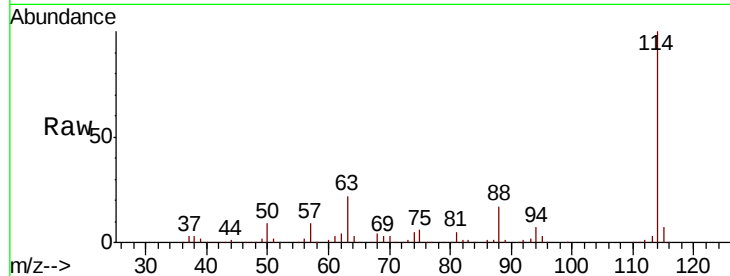




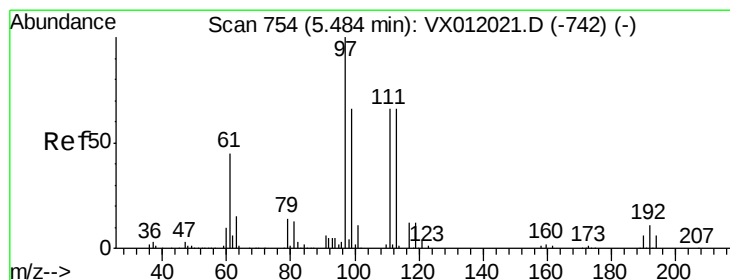
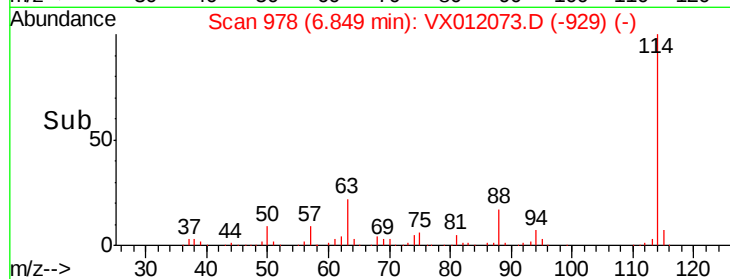
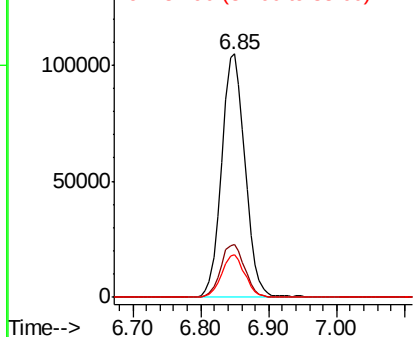
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012073.D
 Acq: 05 Sep 2019 01:57

Instrument :
 MSVOA_X
 ClientSampleId :
 T16-17-E2-(2.25)

Tgt Ion:114 Resp: 250513
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 37.4
 88 17.4 0.0 29.6

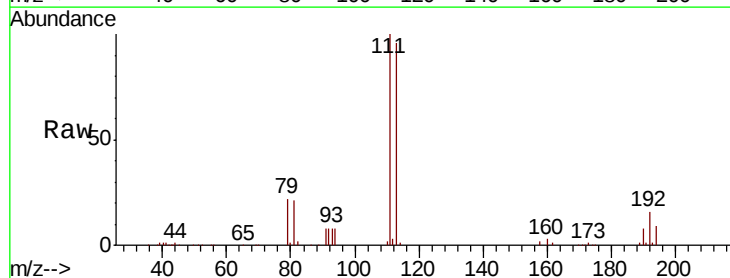


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

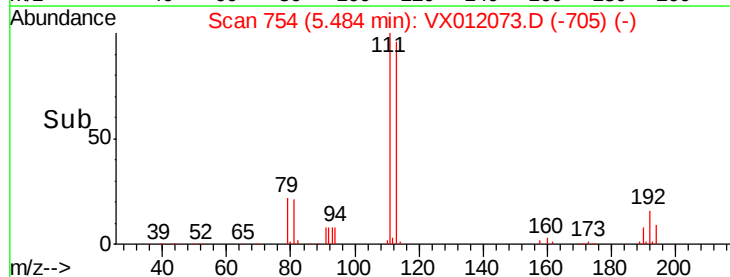
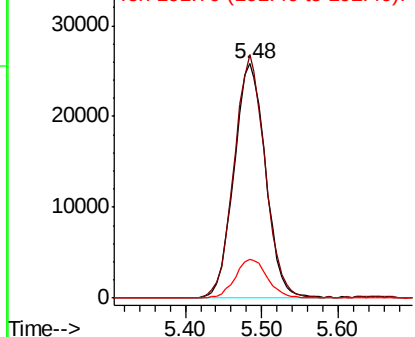


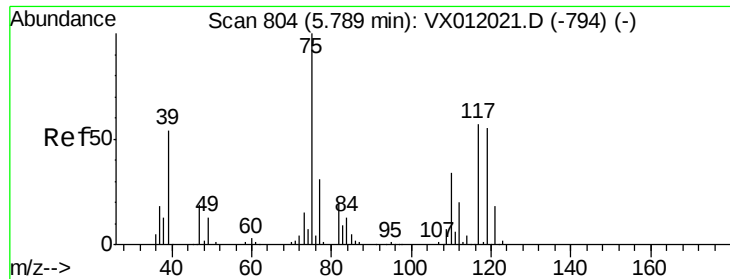
#35
 Dibromofluoromethane
 Concen: 47.953 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012073.D
 Acq: 05 Sep 2019 01:57

Tgt Ion:113 Resp: 73875
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.7 122.5
 192 16.9 22.5 33.7#



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

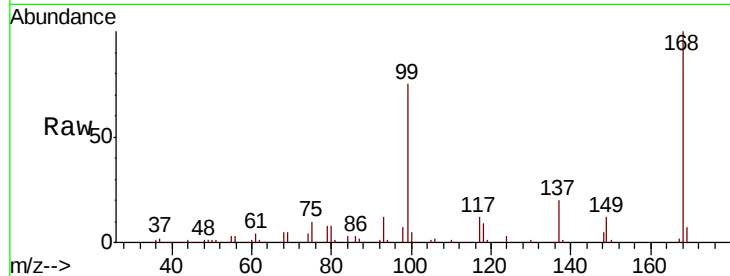




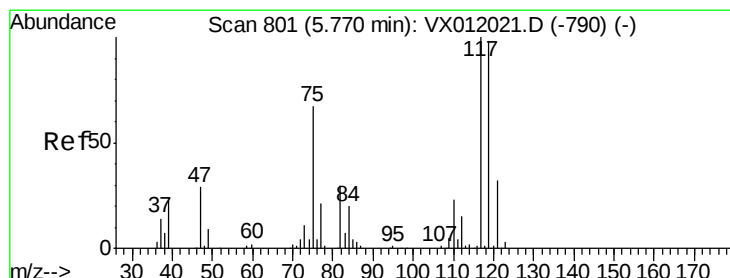
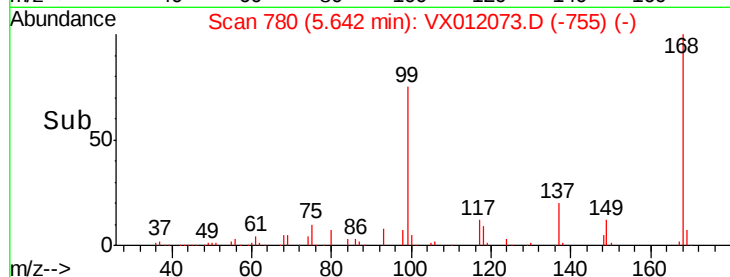
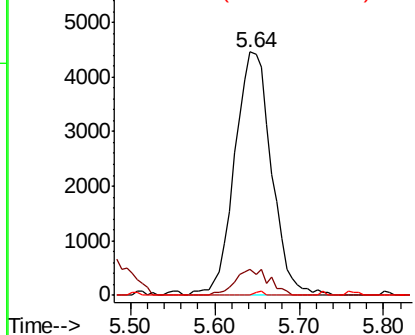
#36
 1,1-Dichloropropene
 Concen: 5.965 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012073.D
 Acq: 05 Sep 2019 01:57

Instrument :
 MSVOA_X
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 T16-17-E2-(2.25)

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.5	58.5#
77	0.3	24.6	37.0#

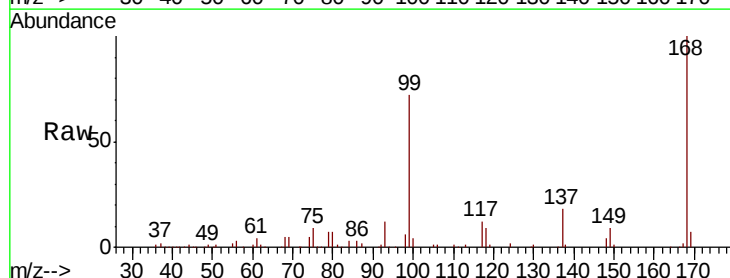


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

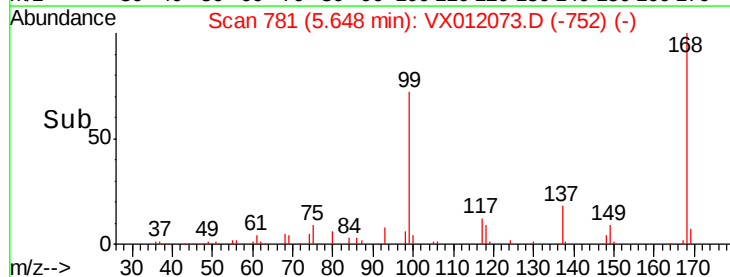
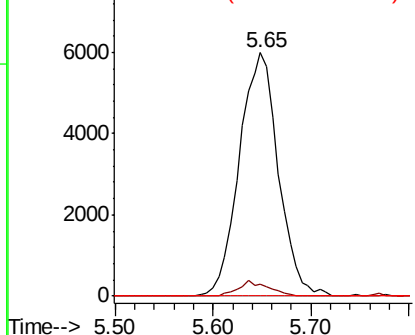


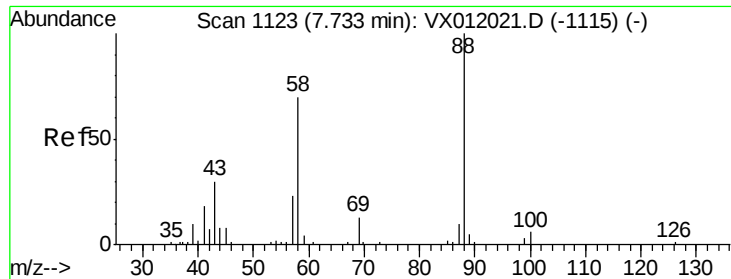
#38
 Carbon Tetrachloride
 Concen: 7.115 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012073.D
 Acq: 05 Sep 2019 01:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.3	117.5#
121	0.0	24.2	36.2#



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

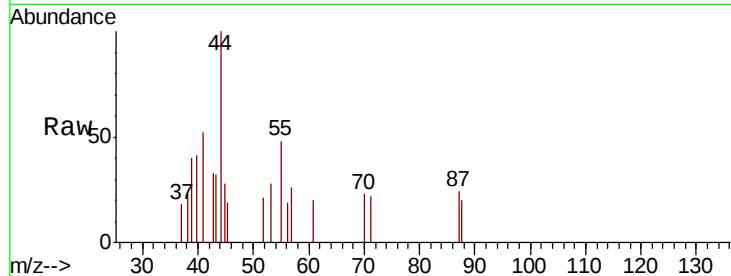




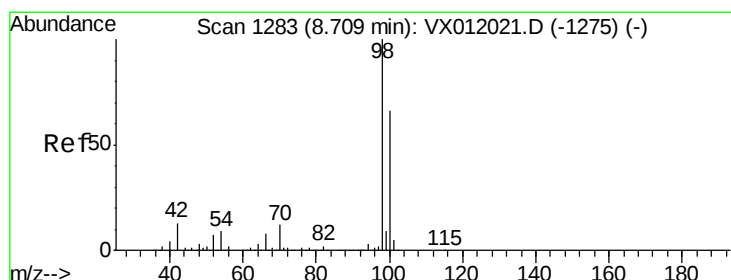
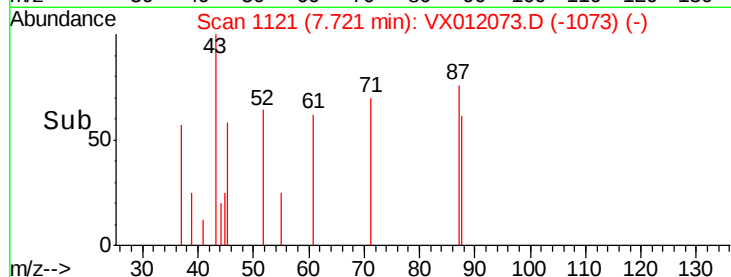
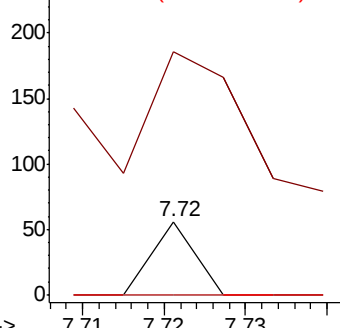
#49
1,4-Dioxane
Concen: 1.196 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 375.0 29.8 44.6#
58 0.0 55.4 83.2#

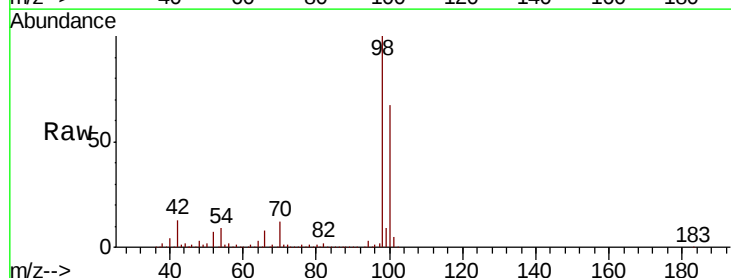


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

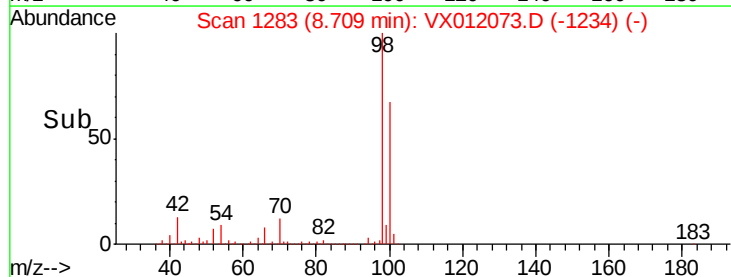
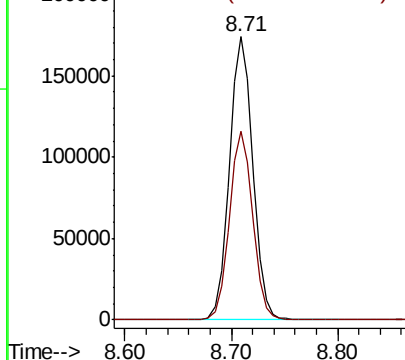


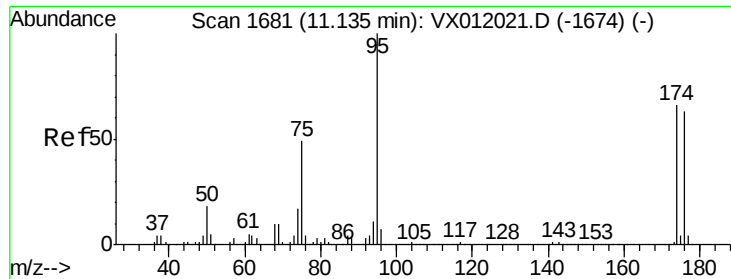
#50
Toluene-d8
Concen: 47.468 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

Tgt Ion: 98 Resp: 268349
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



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

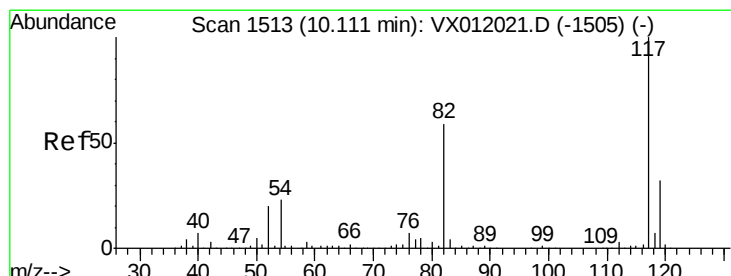
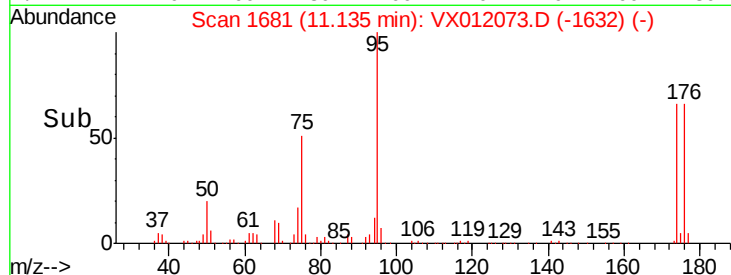
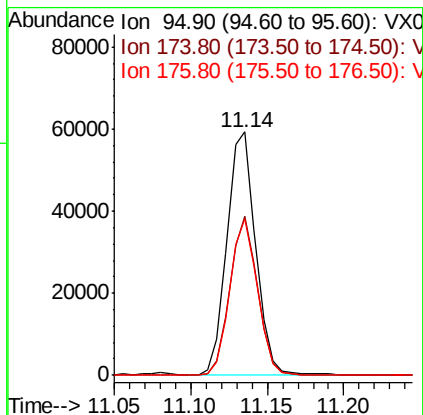
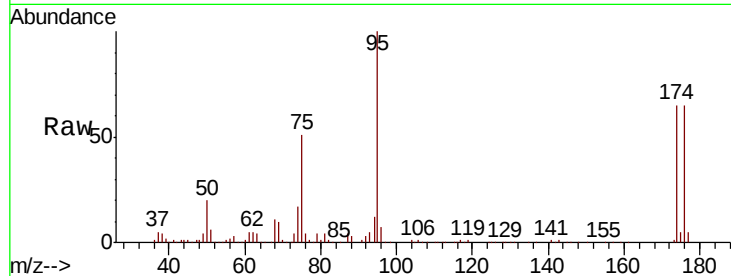




#62
4-Bromofluorobenzene
Concen: 29.198 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

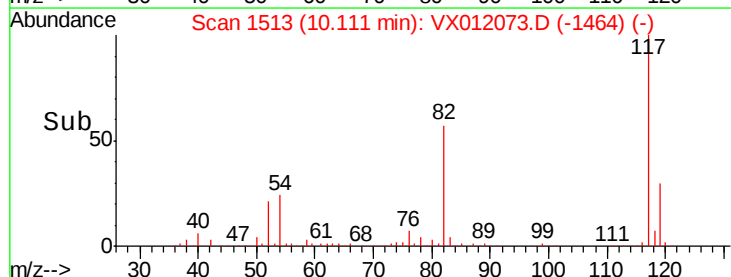
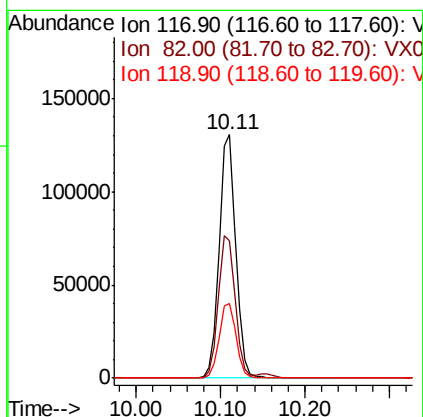
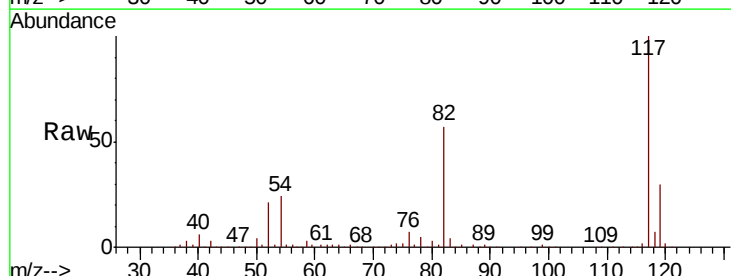
Instrument :
MSVOA_X
ClientSampleId :
T16-17-E2-(2.25)

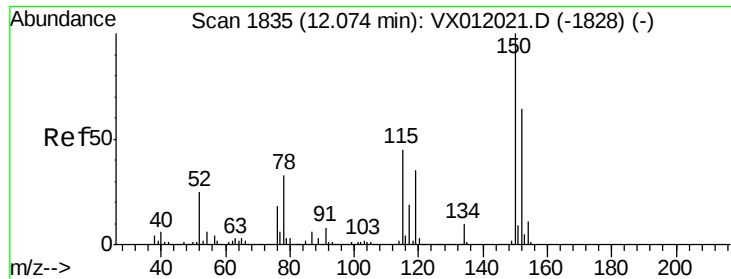
Tgt Ion: 95 Resp: 76764
Ion Ratio Lower Upper
95 100
174 63.1 0.0 205.4
176 62.0 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012073.D
Acq: 05 Sep 2019 01:57

Tgt Ion: 117 Resp: 178876
Ion Ratio Lower Upper
117 100
82 56.7 39.4 59.0
119 30.4 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012073.D

Acq: 05 Sep 2019 01:57

Instrument :

MSVOA_X

ClientSampled :

T16-17-E2-(2.25)

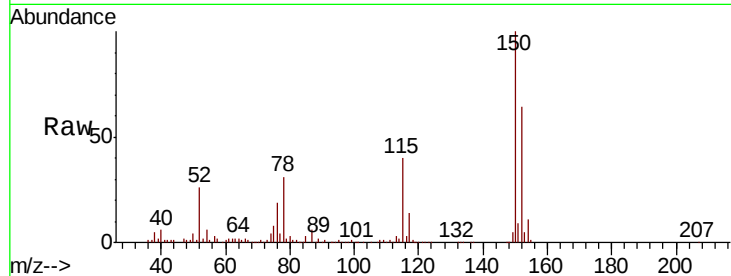
Tgt Ion:152 Resp: 41318

Ion Ratio Lower Upper

152 100

115 64.9 36.4 109.3

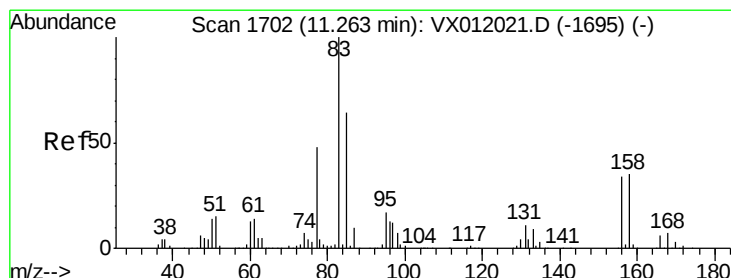
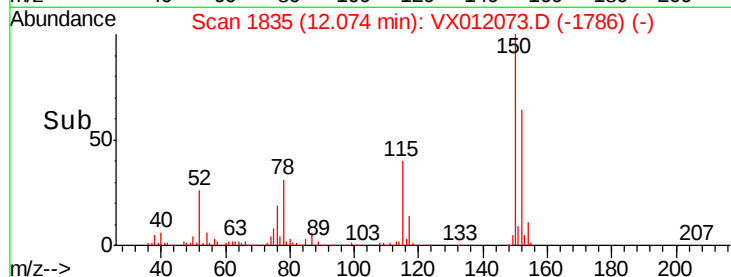
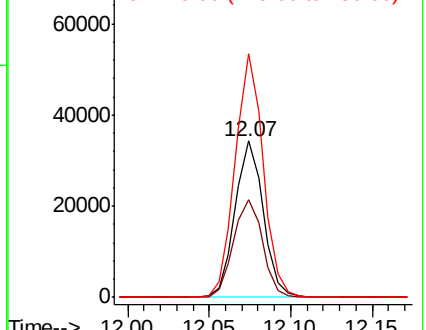
150 155.3 0.0 341.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.646 ug/l

RT: 11.28 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VX012073.D

Acq: 05 Sep 2019 01:57

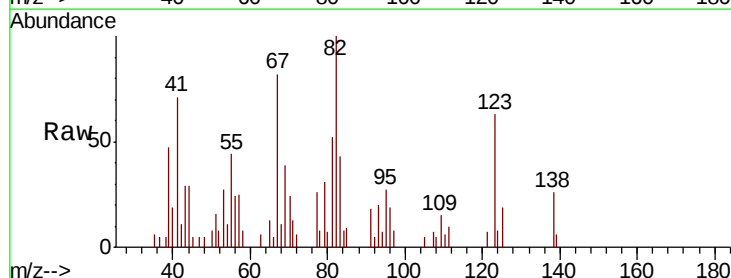
Tgt Ion: 83 Resp: 1040

Ion Ratio Lower Upper

83 100

131 0.0 6.3 19.1#

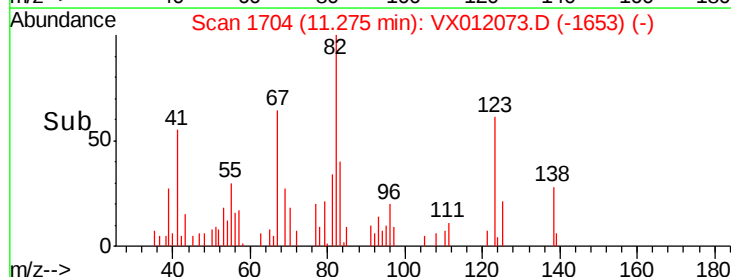
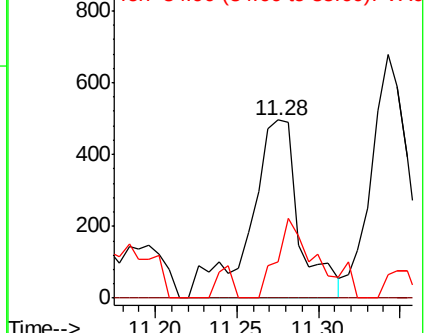
85 36.3 32.5 97.4

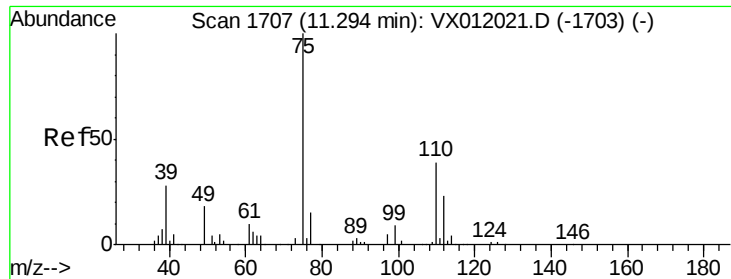


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 79.031 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012073.D

Acq: 05 Sep 2019 01:57

Instrument :

MSVOA_X

ClientSampleId :

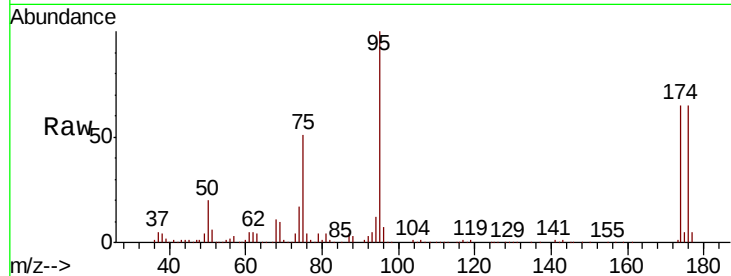
T16-17-E2-(2.25)

Tgt Ion: 75 Resp: 39898

Ion Ratio Lower Upper

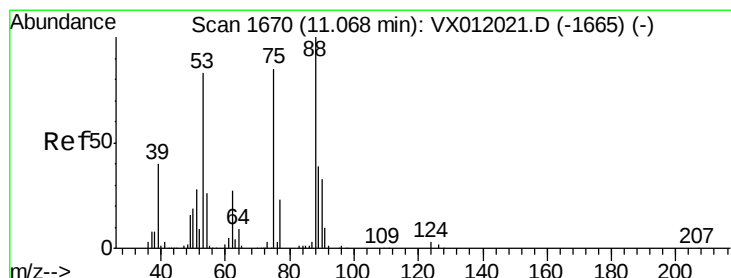
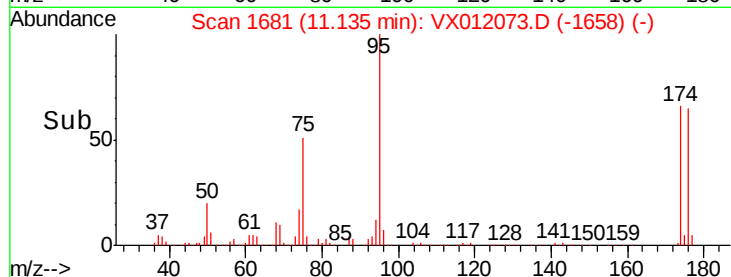
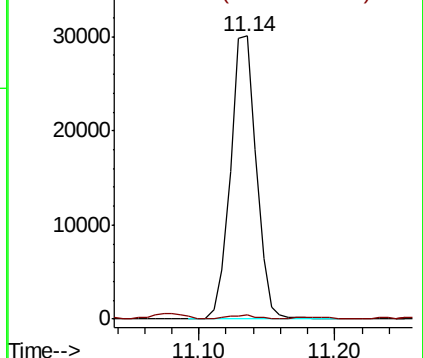
75 100

77 1.2 23.5 70.5#



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: 186.840 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012073.D

Acq: 05 Sep 2019 01:57

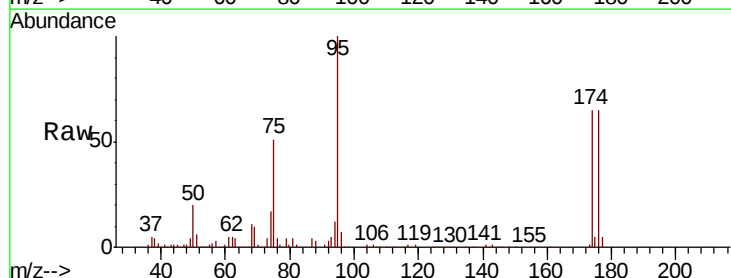
Tgt Ion: 75 Resp: 39898

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#



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

