

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060524.D
 Acq On : 26 Oct 2018 18:54
 Operator : VA/AP
 Sample : J5515--01
 Misc : 5.74/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NON-UST-1A

Quant Time: Oct 27 01:51:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	174486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	372241	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	194066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	64964	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	221773	63.95	ug/l	0.00
Spiked Amount			Recovery	=	127.90%	
35) Dibromofluoromethane	4.30	113	207633	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	7.71	98	305192	34.08	ug/l	0.00
Spiked Amount			Recovery	=	68.16%	
62) 4-Bromofluorobenzene	11.51	95	150128	30.10	ug/l	0.00
Spiked Amount			Recovery	=	60.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	115	Below Cal	#	48
11) Tert butyl alcohol	2.70	59	1610	Below Cal	#	87
13) Acrolein	2.11	56	6173	40.020	ug/l #	1
14) Allyl chloride	2.28	41	54305	13.657	ug/l #	27
15) Acrylonitrile	3.06	53	9936	35.591	ug/l #	37
16) Acetone	2.34	43	27153	12.834	ug/l	95
18) Methyl Acetate	2.48	43	5426	4.764	ug/l #	64
20) Methylene Chloride	2.28	84	14836	3.433	ug/l #	75
25) 2-Butanone	4.52	43	22331	36.259	ug/l #	71
29) Tetrahydrofuran	4.30	42	801	Below Cal	#	36
31) Cyclohexane	3.87	56	33685	12.685	ug/l	88
37) Ethyl Acetate	4.30	43	1489	Below Cal	#	1
39) Methylcyclohexane	5.63	83	120296	26.755	ug/l	85
40) Benzene	4.81	78	9298	1.026	ug/l	98
43) Isopropyl Acetate	7.17	43	11605	6.112	ug/l #	59
48) Methyl methacrylate	6.97	41	34020	23.769	ug/l #	38
49) 1,4-Dioxane	6.85	88	90	7.298	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	81149	54.711	ug/l #	52
55) 1,1,2-Trichloroethane	8.53	97	20354	10.787	ug/l #	55
56) Ethyl methacrylate	8.77	69	162317	80.652	ug/l #	64
58) 2-Chloroethyl Vinyl ether	7.77	63	1512	5.433	ug/l	100
59) 2-Hexanone	9.64	43	4954	Below Cal		73
65) Chlorobenzene	9.90	112	4860	1.191	ug/l #	40
67) Ethyl Benzene	10.04	91	13253	1.591	ug/l	99
69) o-Xylene	10.83	106	17651	6.016	ug/l	87
73) Isopropylbenzene	11.23	105	343563	66.574	ug/l	96
74) N-amyl acetate	11.49	43	57391	62.623	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.77	83	81294	109.326	ug/l #	34
78) n-propylbenzene	11.69	91	588742	97.582	ug/l	99
79) 2-Chlorotoluene	11.69	91	588742	161.026	ug/l #	46
81) trans-1,4-Dichloro-2-buten	11.97	75	536	1.963	ug/l #	1
82) 4-Chlorotoluene	12.04	91	8570	2.218	ug/l	81
83) tert-Butylbenzene	12.22	119	37617	8.217	ug/l	91
84) 1,2,4-Trimethylbenzene	12.39	105	384952	85.687	ug/l #	37

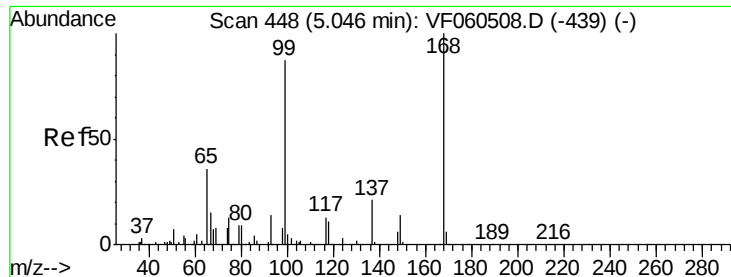
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.39	105	385937	62.815	uq/l	85
86) p-Isopropyltoluene	12.55	119	6490	1.243	uq/l #	22
88) 1,4-Dichlorobenzene	12.66	146	2406	1.136	uq/l #	1
89) n-Butylbenzene	12.92	91	283649	51.086	uq/l	98
90) Hexachloroethane	13.01	117	42970	31.373	uq/l #	20
91) 1,2-Dichlorobenzene	13.02	146	12772	6.089	uq/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.71	75	6455	34.053	uq/l #	31
93) 1,2,4-Trichlorobenzene	14.27	180	10156	5.947	uq/l #	1
95) Naphthalene	14.54	128	53423	19.833	uq/l #	1
96) 1,2,3-Trichlorobenzene	14.72	180	61711	39.285	uq/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 448

Delta R.T. -0.00 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

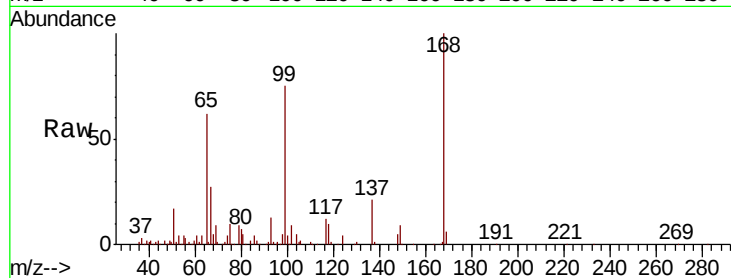
NON-UST-1A

Tot Ion:168 Resp: 174486

Ion Ratio Lower Upper

168 100

99 75.4 69.9 104.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

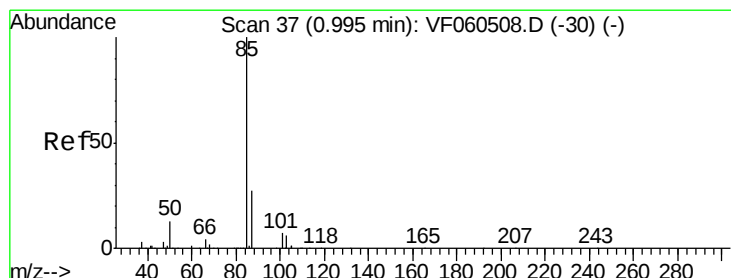
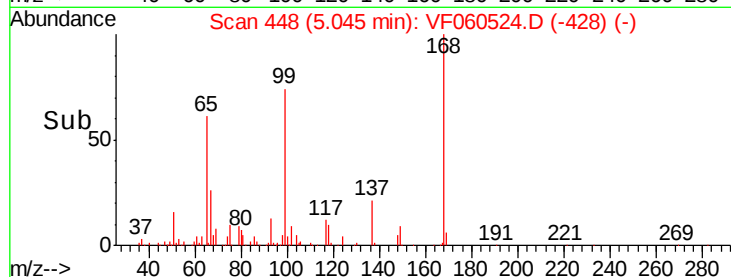
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060524.D

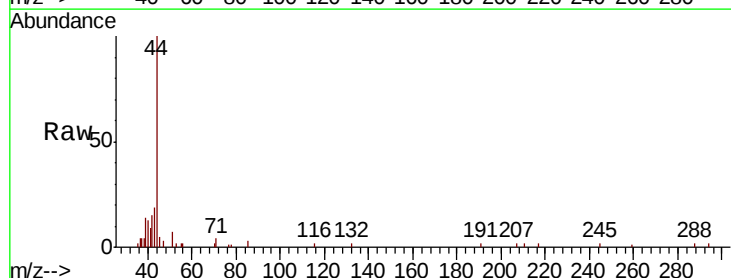
Acq: 26 Oct 2018 18:54

Tgt Ion: 85 Resp: 115

Ion Ratio Lower Upper

85 100

87 0.0 13.5 40.4#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

200

150

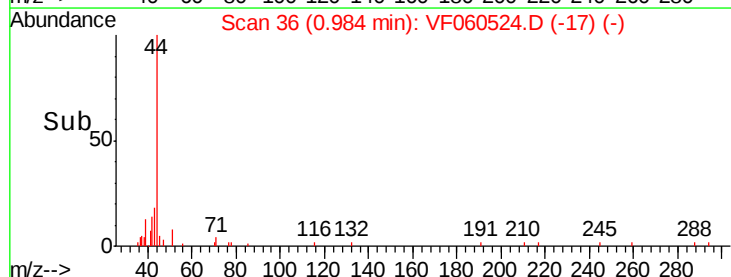
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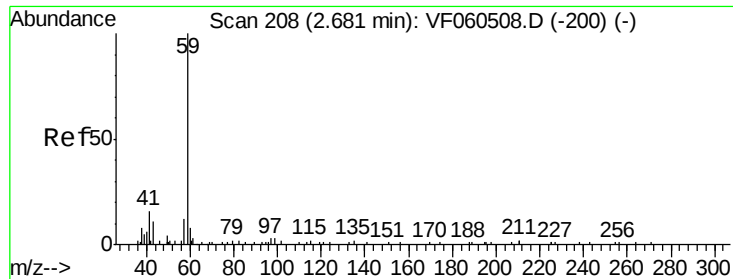
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0

Time-->

0.97 0.98 0.99 1.00



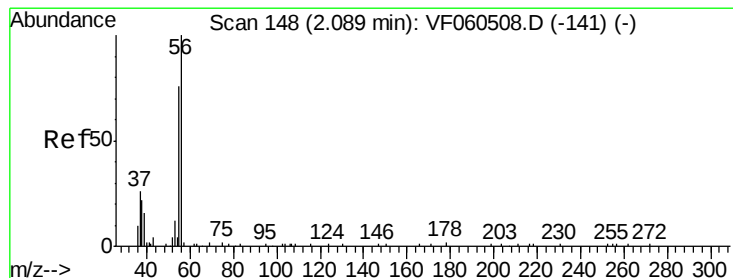
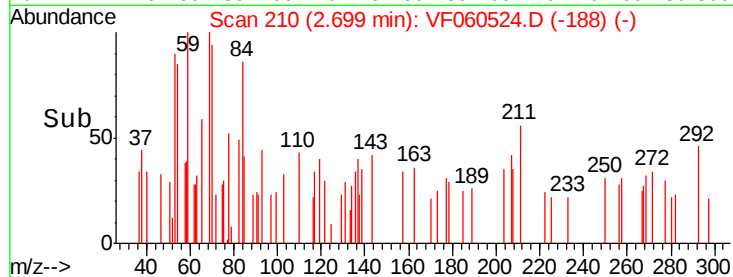
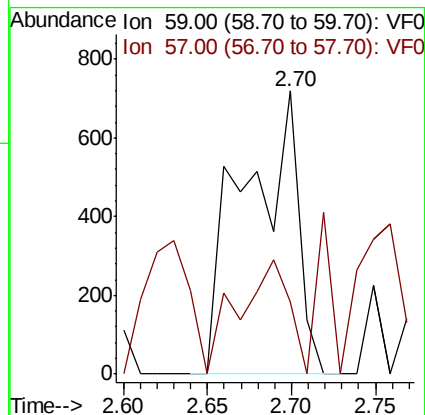
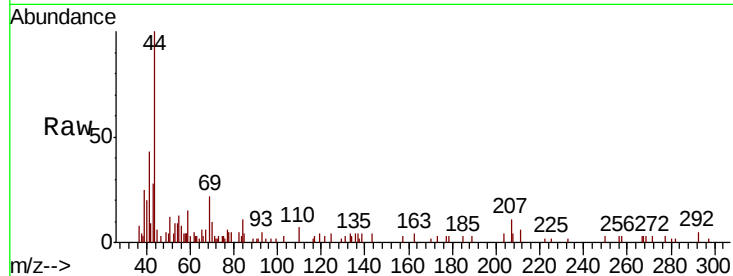


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.70 min Scan# 210
Delta R.T. 0.02 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

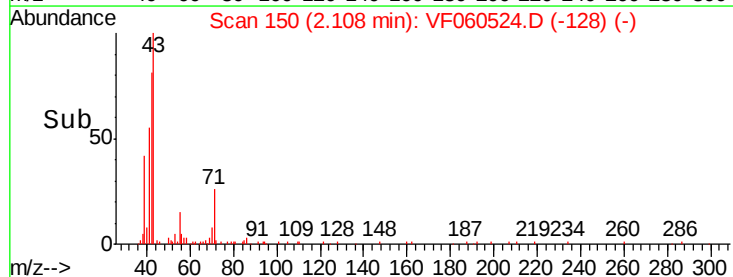
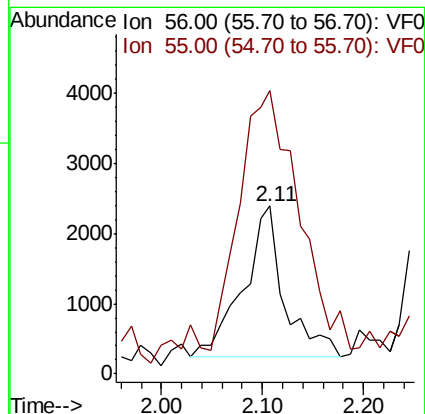
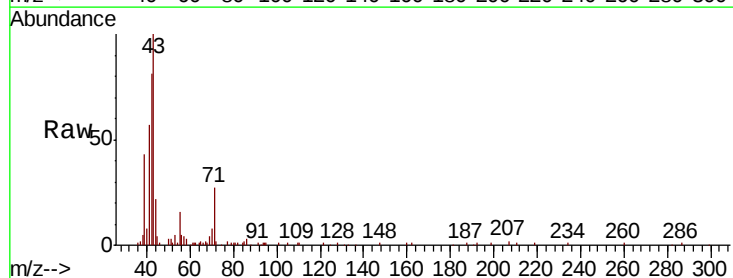
Tot Ion: 59 Resp: 1610
Ion Ratio Lower Upper
59 100
57 25.6 15.8 23.8#

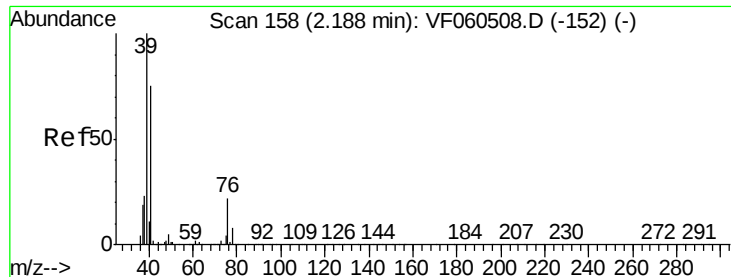


#13

Acrolein
Concen: 40.020 ug/l
RT: 2.11 min Scan# 150
Delta R.T. 0.02 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion: 56 Resp: 6173
Ion Ratio Lower Upper
56 100
55 168.5 63.0 94.4#

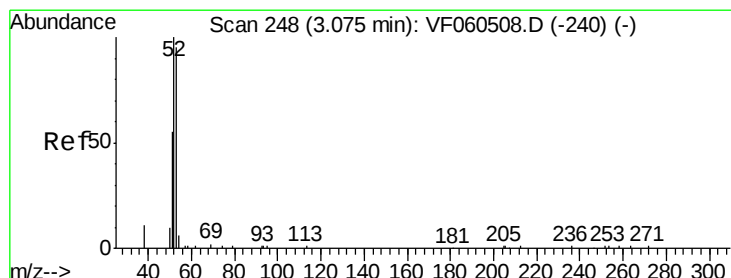
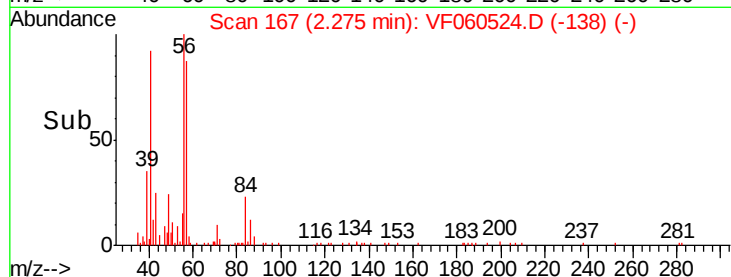
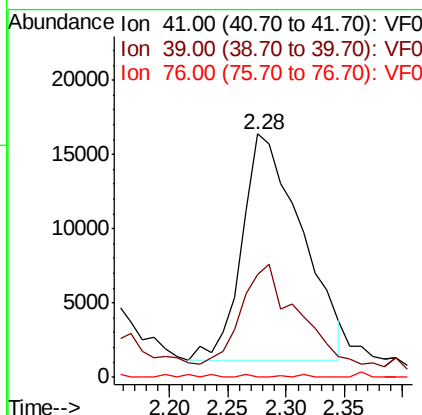
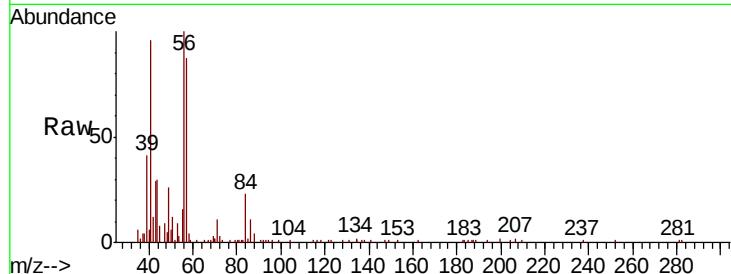




#14
Allvl chloride
Concen: 13.657 ug/l
RT: 2.28 min Scan# 167
Delta R.T. 0.09 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

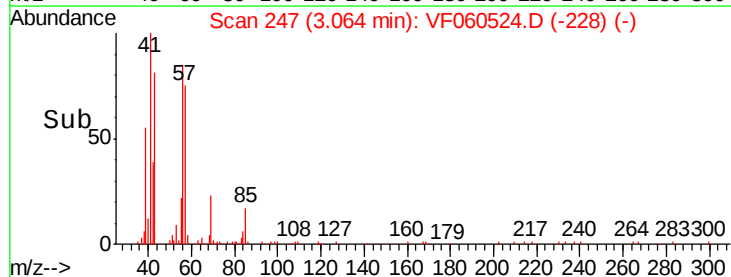
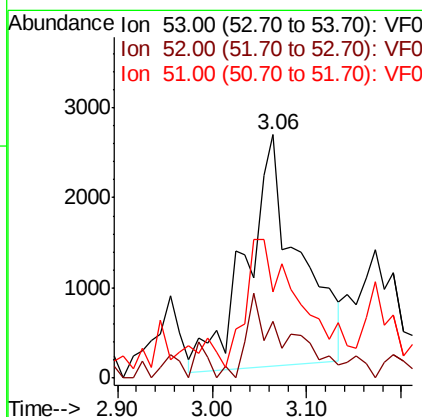
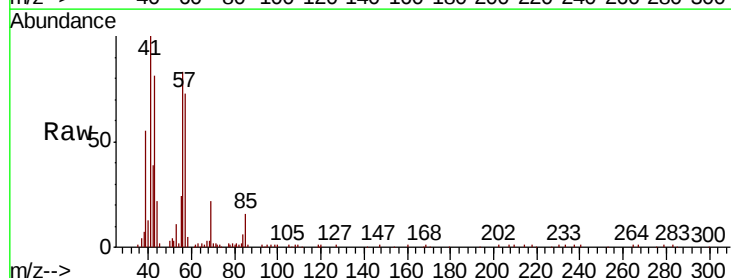
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ClientSampleId :
NON-UST-1A

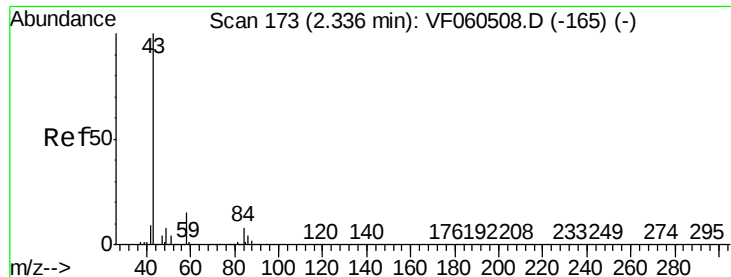
Tot Ion: 41 Resp: 54305
Ion Ratio Lower Upper
41 100
39 42.3 106.0 159.0#
76 0.0 24.1 36.1#



#15
Acrylonitrile
Concen: 35.591 ug/l
RT: 3.06 min Scan# 247
Delta R.T. -0.01 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion: 53 Resp: 9936
Ion Ratio Lower Upper
53 100
52 23.5 84.0 126.0#
51 35.2 48.6 73.0#

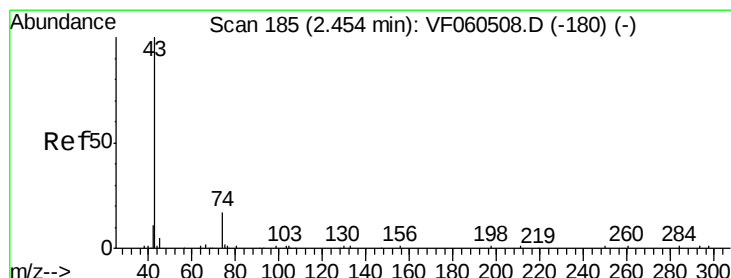
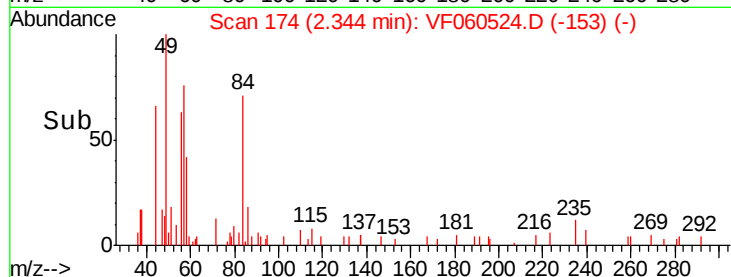
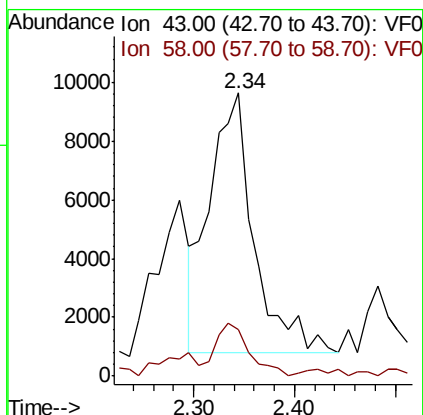
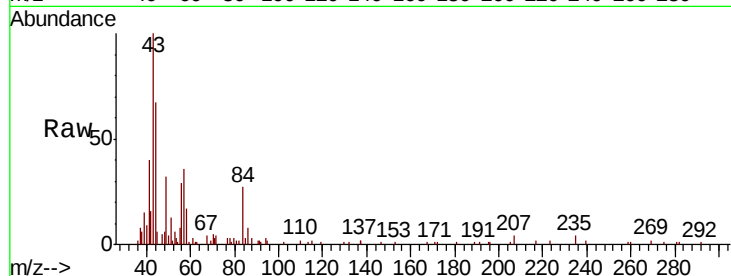




#16
Acetone
Concen: 12.834 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

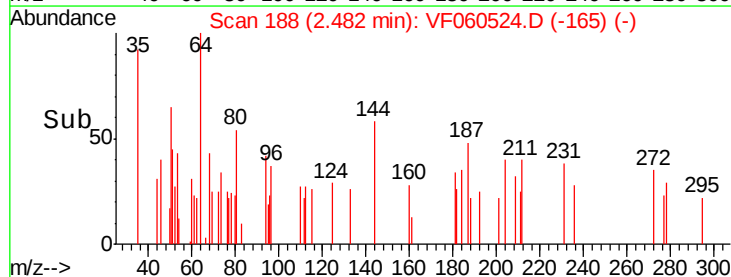
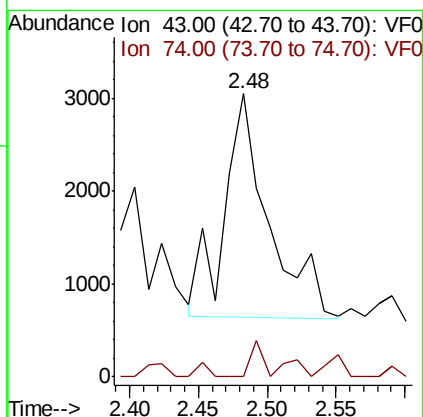
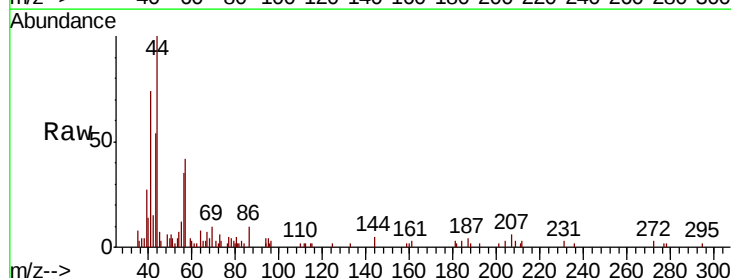
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NON-UST-1A

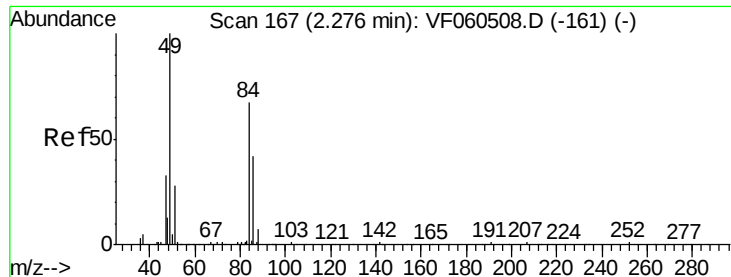
Tot Ion: 43 Resp: 27153
Ion Ratio Lower Upper
43 100
58 16.7 11.7 17.5



#18
Methyl Acetate
Concen: 4.764 ug/l
RT: 2.48 min Scan# 188
Delta R.T. 0.03 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion: 43 Resp: 5426
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#

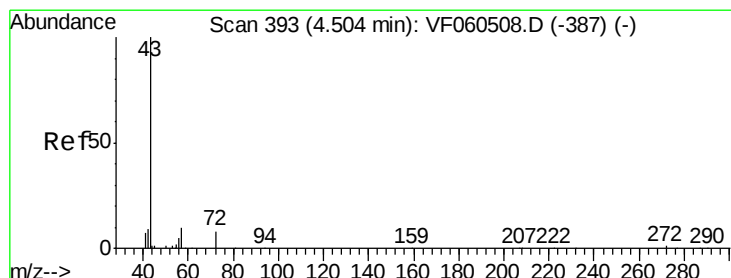
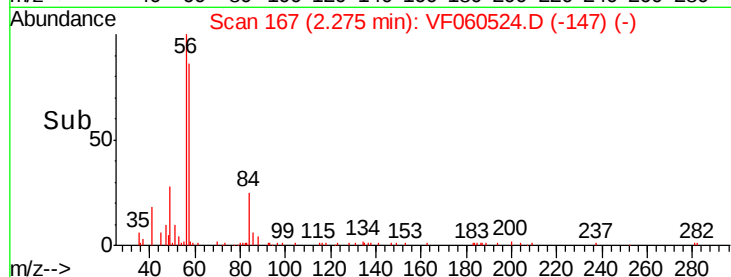
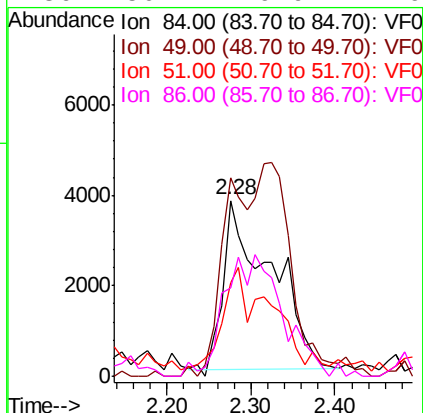
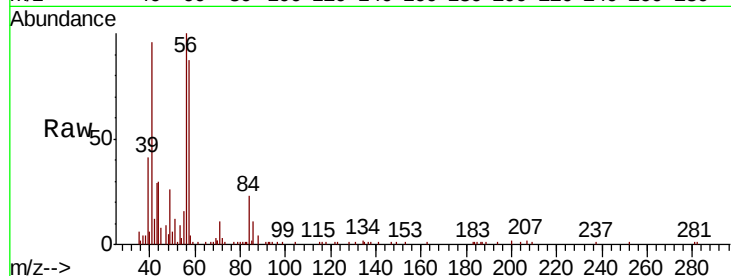




#20
Methvlene Chloride
Concen: 3.433 ug/l
RT: 2.28 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

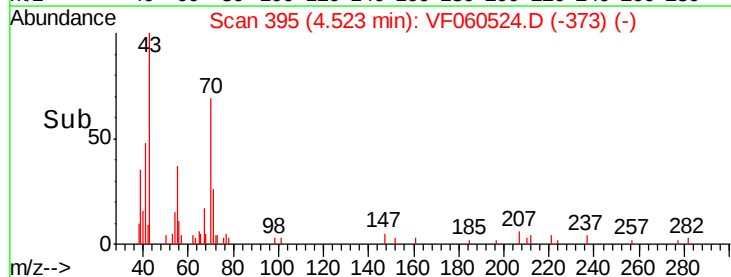
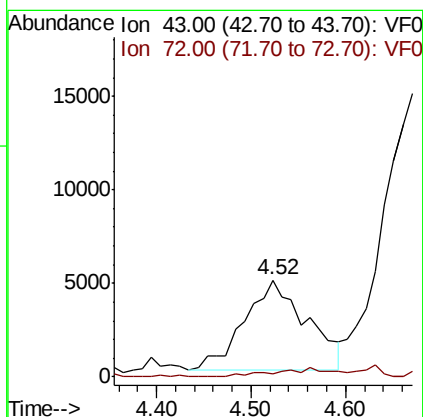
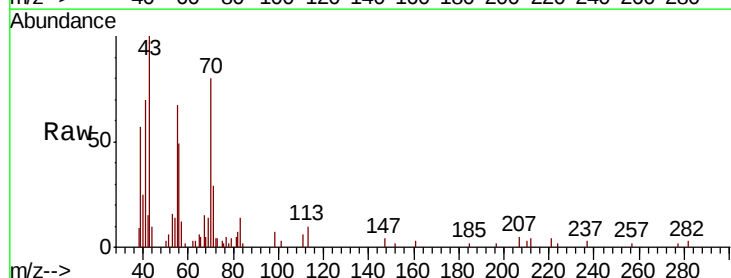
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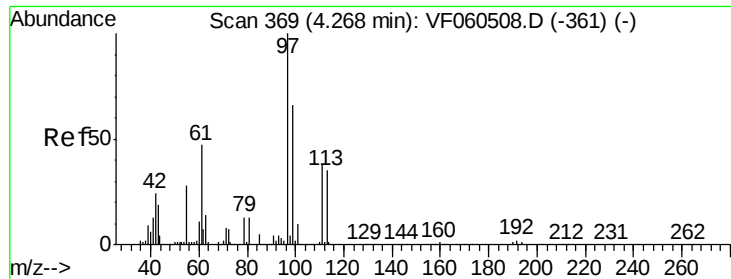
Tot Ion: 84 Resp: 14836
Ion Ratio Lower Upper
84 100
49 113.0 123.1 184.7#
51 53.5 35.3 52.9#
86 50.2 49.9 74.9



#25
2-Butanone
Concen: 36.259 ug/l
RT: 4.52 min Scan# 395
Delta R.T. 0.02 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion: 43 Resp: 22331
Ion Ratio Lower Upper
43 100
72 3.7 13.0 19.6#

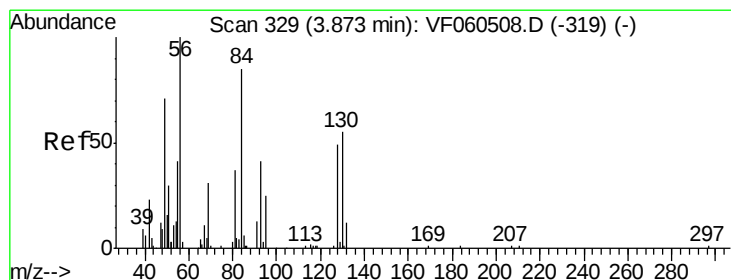
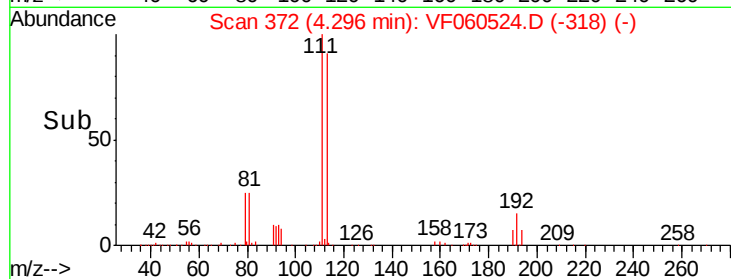
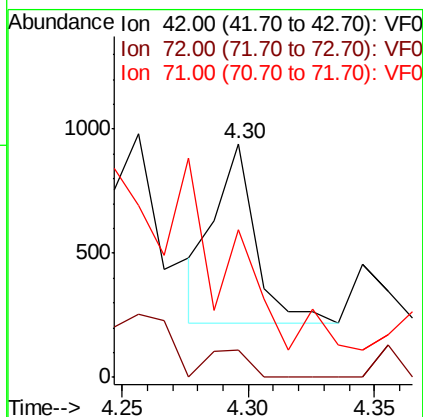
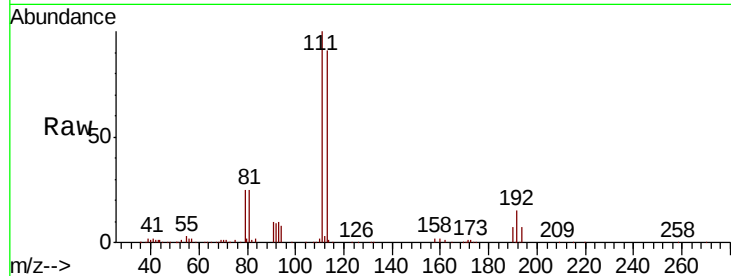




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.30 min Scan# 372
Delta R.T. 0.03 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

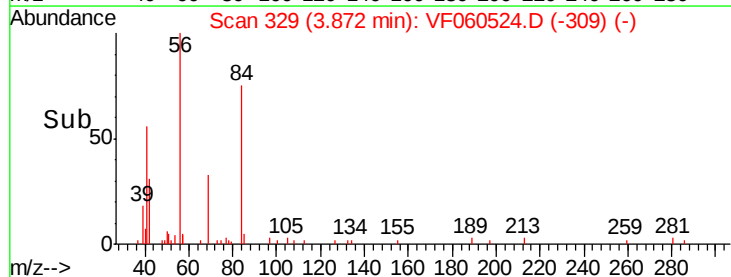
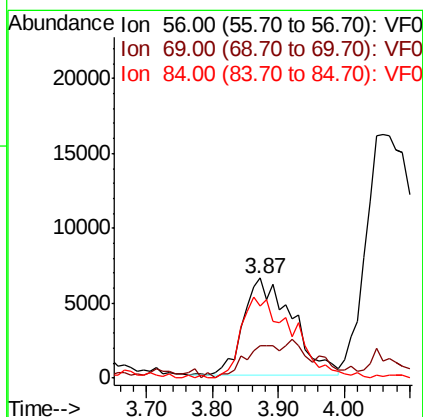
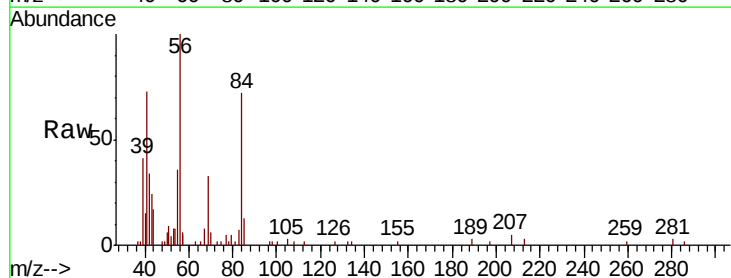
Instrument :
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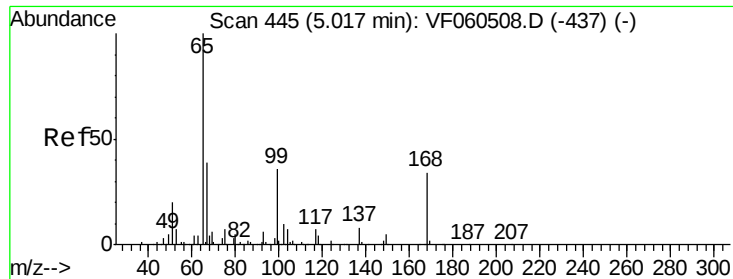
Tot Ion: 42 Resp: 801
Ion Ratio Lower Upper
42 100
72 0.0 32.1 48.1#
71 0.0 29.7 44.5#



#31
Cyclohexane
Concen: 12.685 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion: 56 Resp: 33685
Ion Ratio Lower Upper
56 100
69 33.1 24.6 37.0
84 71.8 68.2 102.2

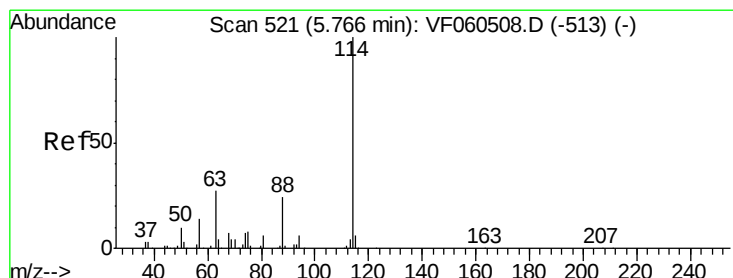
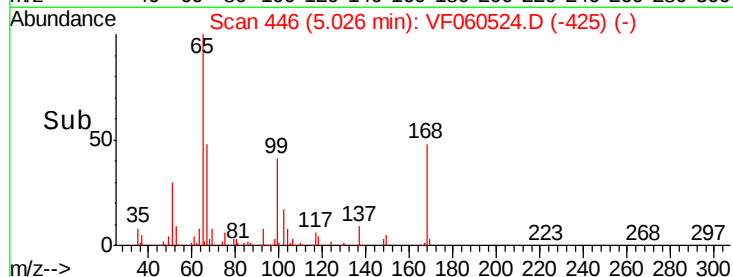
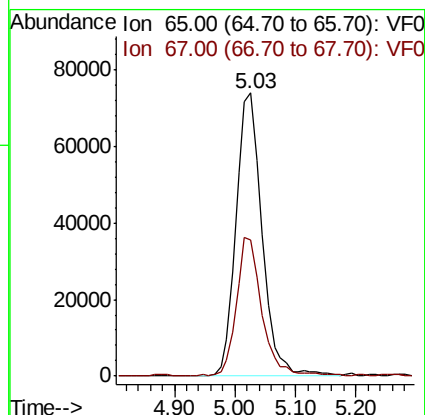
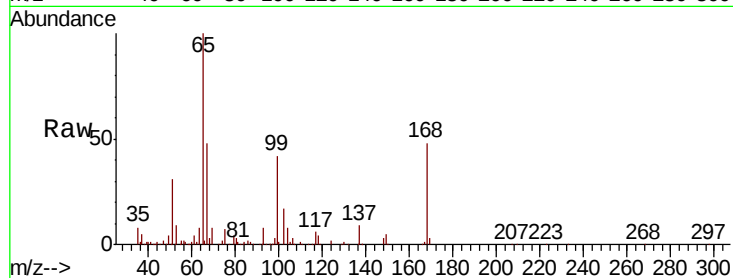




#33
 1,2-Dichloroethane-d4
 Concen: 63.948 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. 0.01 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

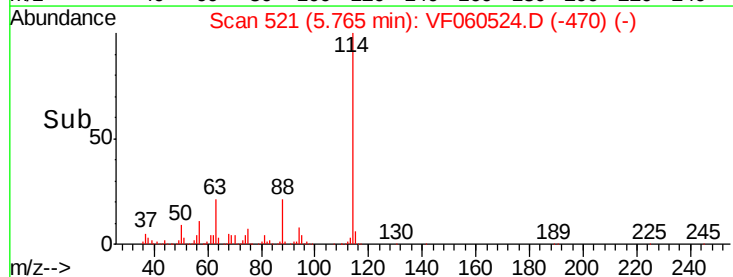
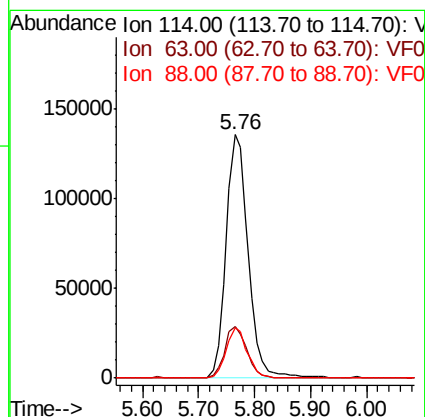
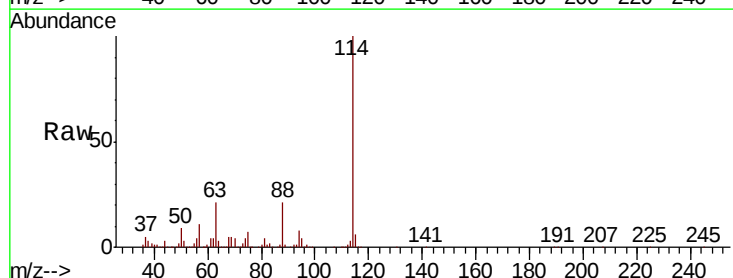
Instrument :
 MSVOA_F
 ClientSampleId :
 NON-UST-1A

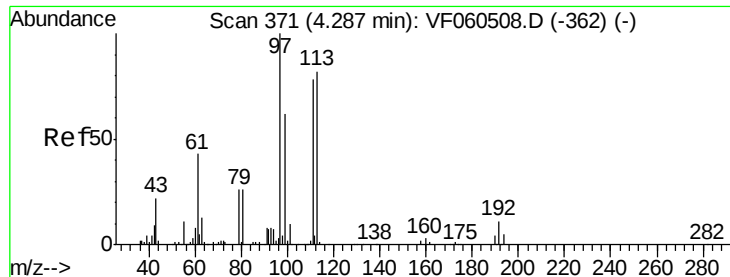
Tot Ion: 65 Resp: 221773
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

Tgt Ion: 114 Resp: 372241
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 54.4
 88 20.8 0.0 47.2

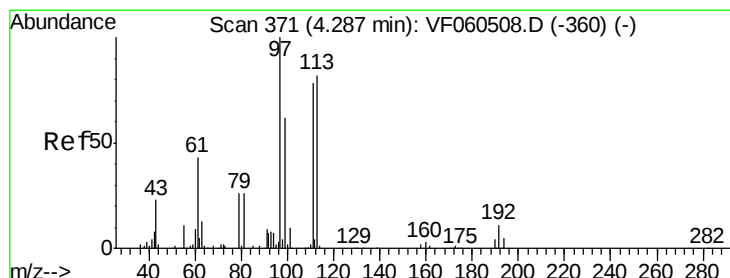
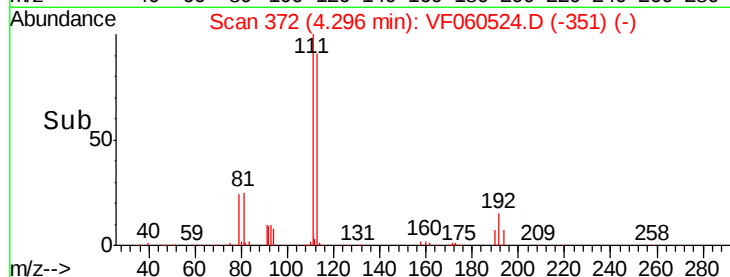
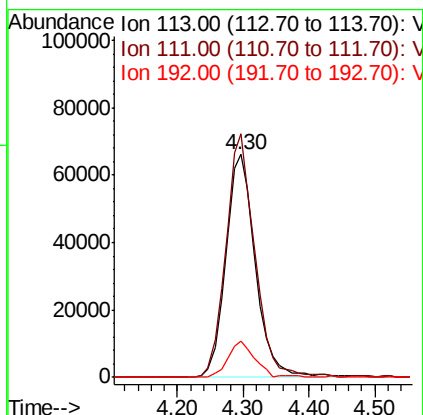
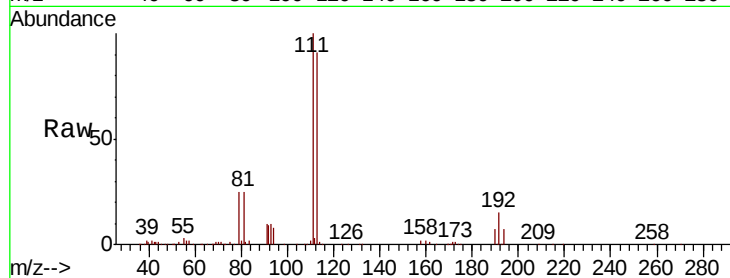




#35
 Dibromofluoromethane
 Concen: 46.534 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

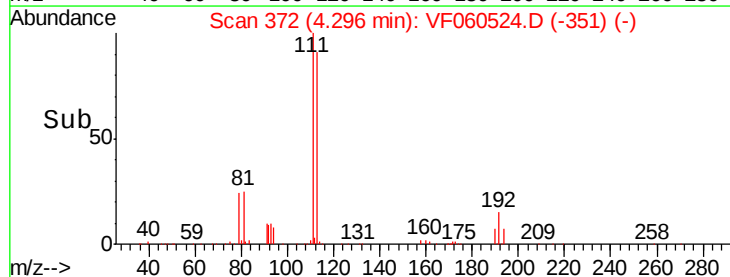
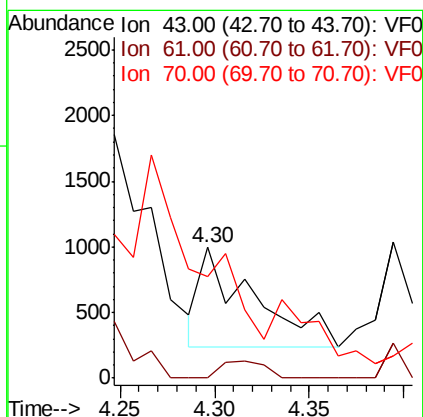
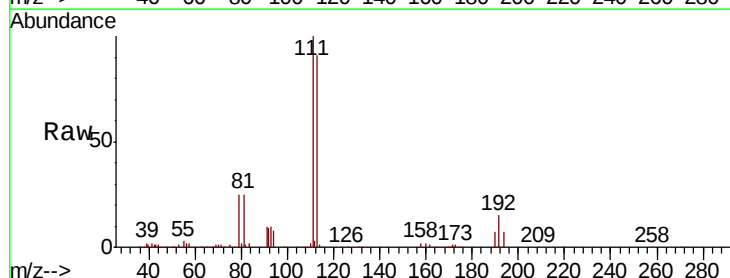
Instrument :
 MSVOA_F
 ClientSampleId :
 NON-UST-1A

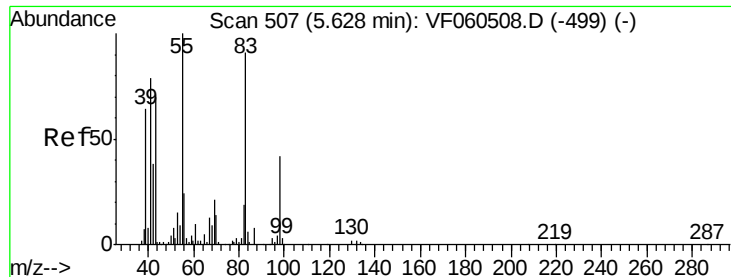
Tot Ion	Ratio	Lower	Upper
113	100		
111	109.3	75.9	113.9
192	16.0	10.6	15.8#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.30 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	148.5	222.7#
70	77.6	4.7	7.1#

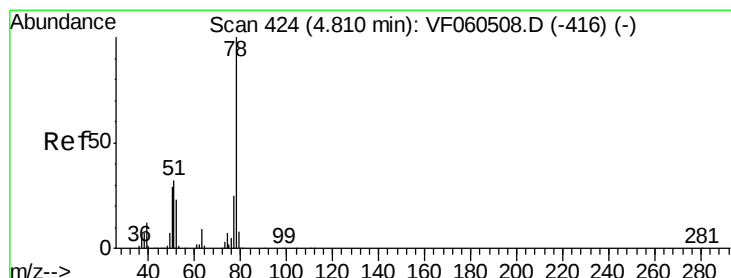
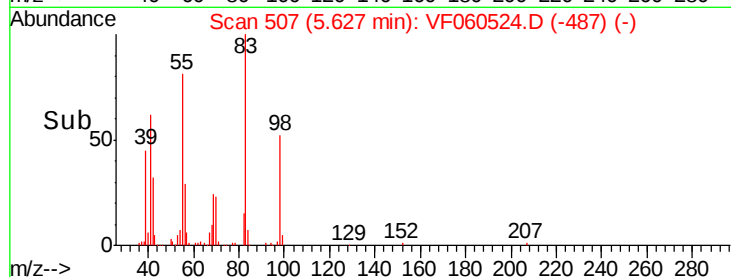
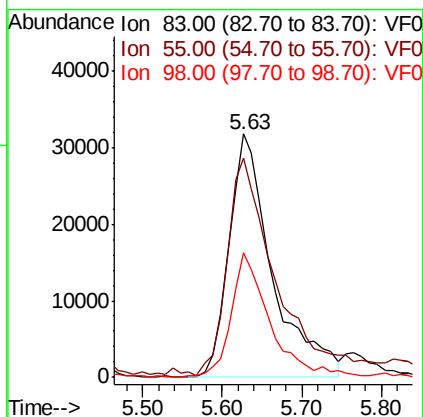
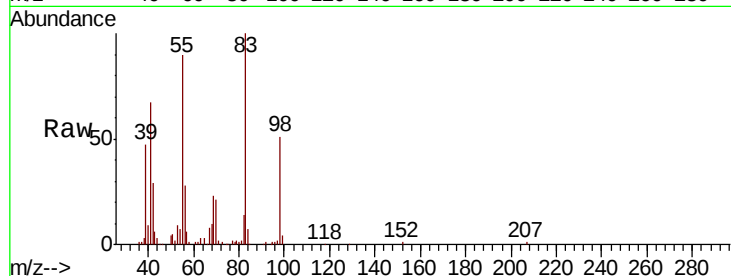




#39
Methvlcvclohexane
Concen: 26.755 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.00 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

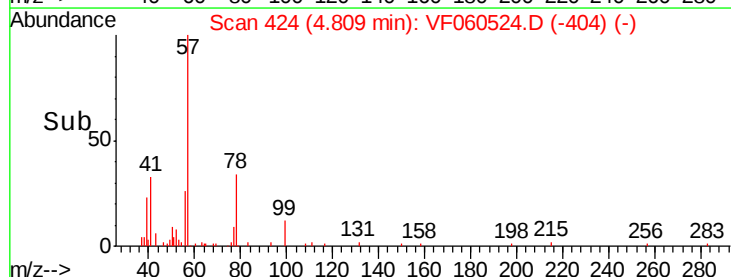
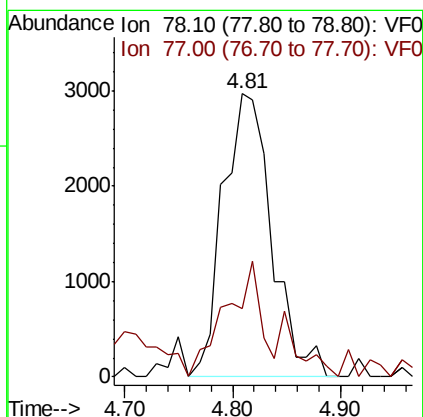
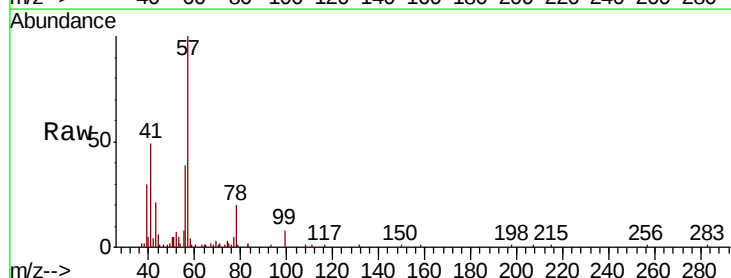
Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

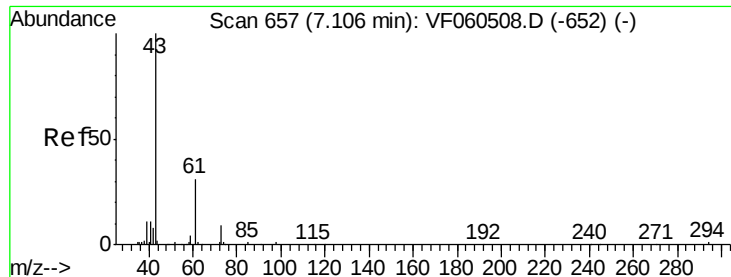
Tot Ion	83	Resp	120296
Ion Ratio	Lower	Upper	
83	100		
55	90.3	87.9	131.9
98	51.0	37.0	55.6



#40
Benzene
Concen: 1.026 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.00 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion	78	Resp	9298
Ion Ratio	Lower	Upper	
78	100		
77	24.2	20.2	30.4





#43

Isopropyl Acetate

Concen: 6.112 ug/l

RT: 7.17 min Scan# 664

Delta R.T. 0.07 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

NON-UST-1A

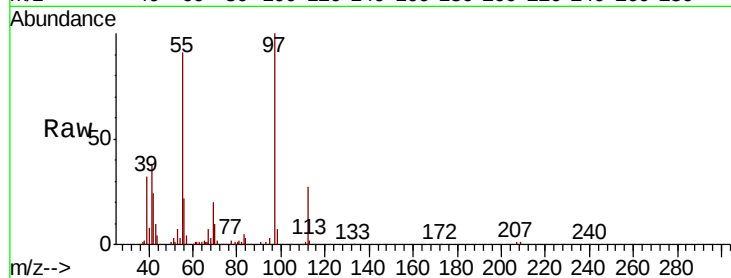
Tot Ion: 43 Resp: 11605

Ion Ratio Lower Upper

43 100

61 8.2 24.4 36.6#

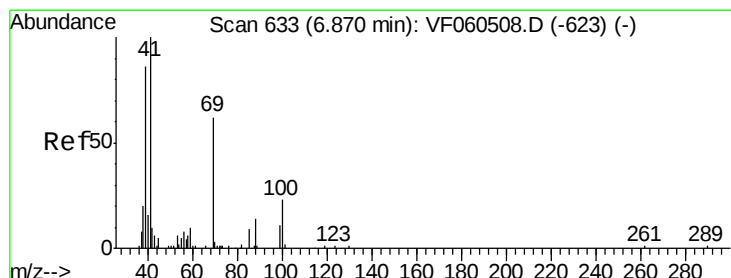
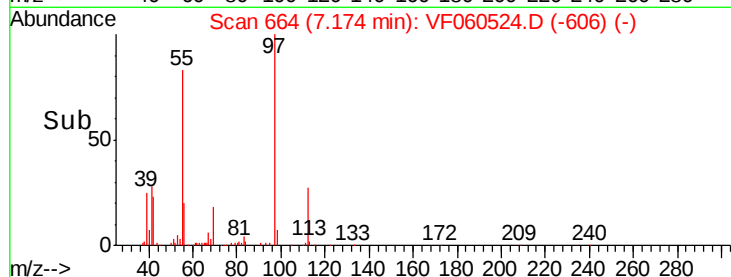
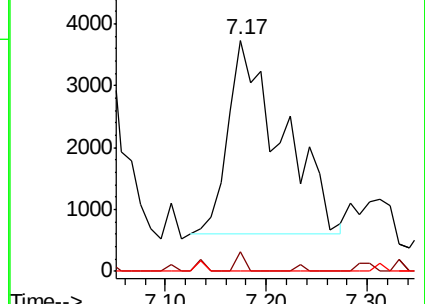
87 0.0 0.0 0.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 23.769 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.10 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

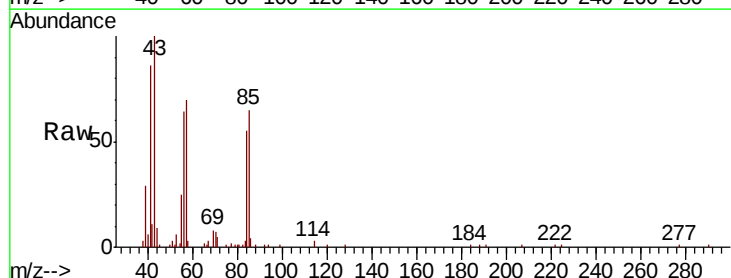
Tgt Ion: 41 Resp: 34020

Ion Ratio Lower Upper

41 100

69 9.6 49.6 74.4#

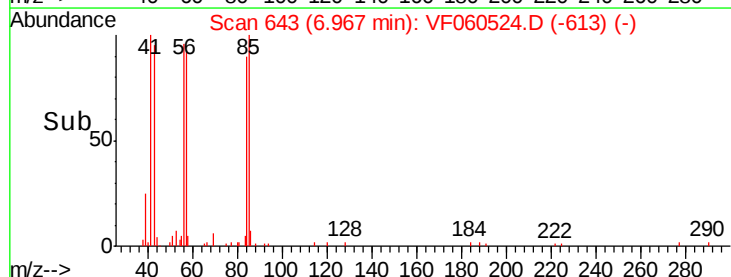
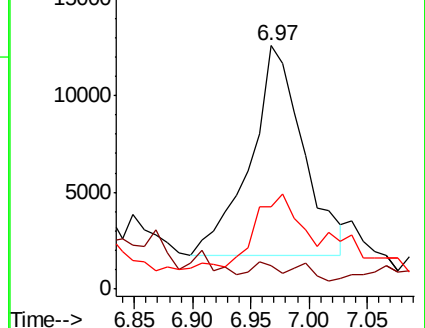
39 33.9 69.4 104.2#

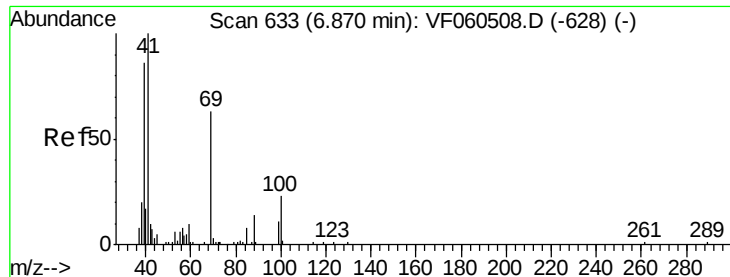


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

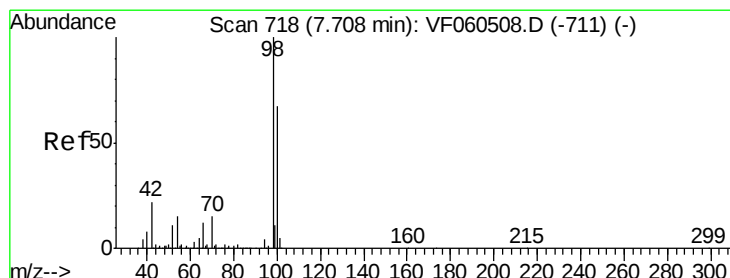
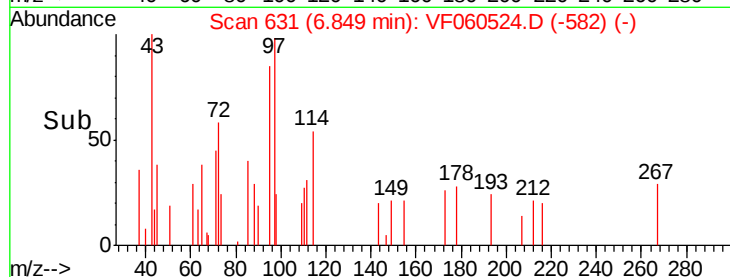
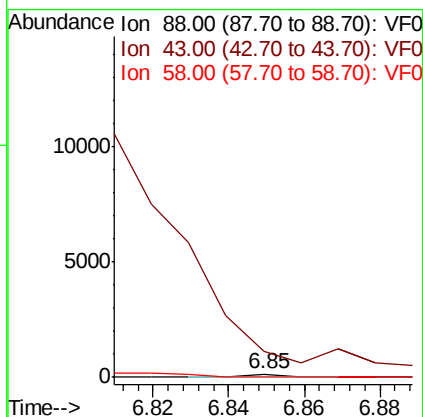
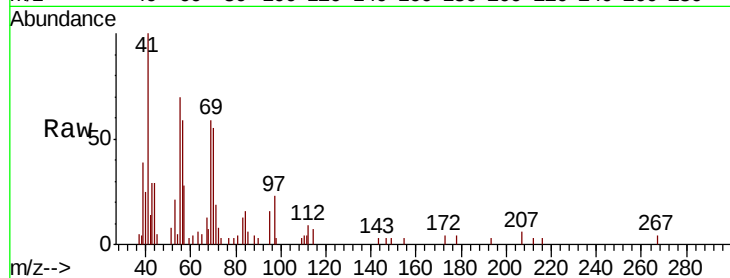




#49
1,4-Dioxane
Concen: 7.298 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.02 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

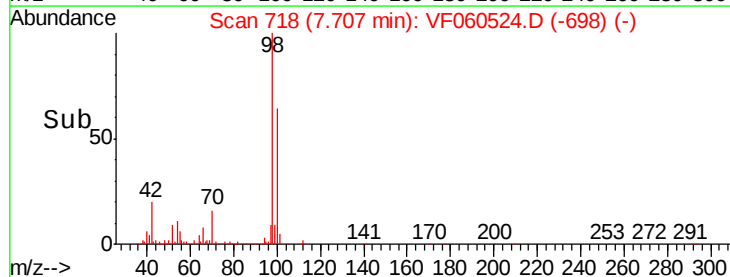
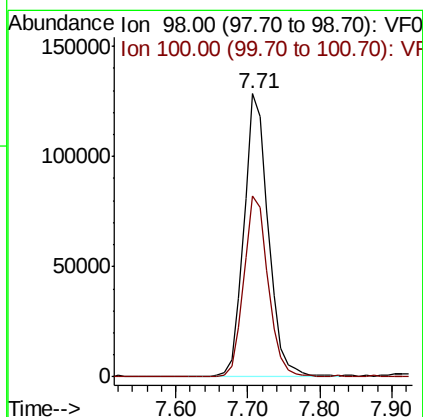
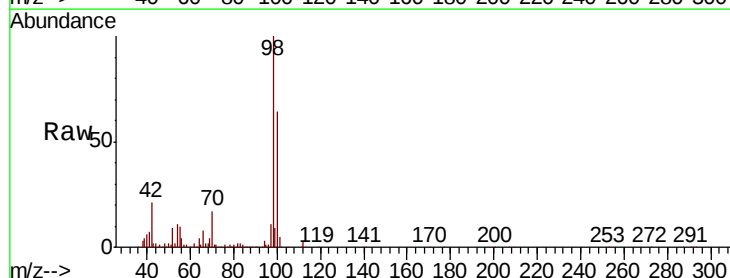
Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

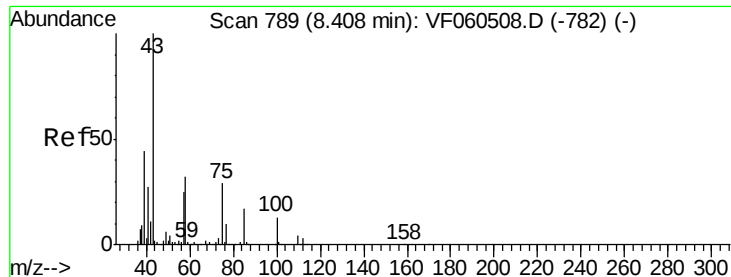
Tot Ion	88	Resp	90
Ion Ratio	Lower	Upper	
88	100		
43	741.8	39.3	58.9#
58	0.0	35.0	52.6#



#50
Toluene-d8
Concen: 34.083 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion	98	Resp	305192
Ion Ratio	Lower	Upper	
98	100		
100	64.1	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 54.711 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.02 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

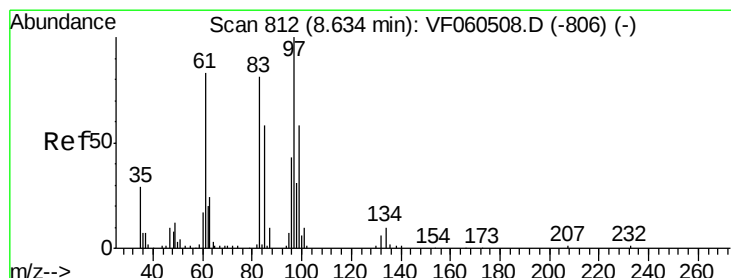
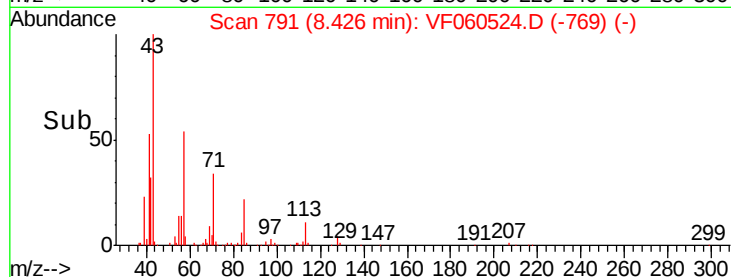
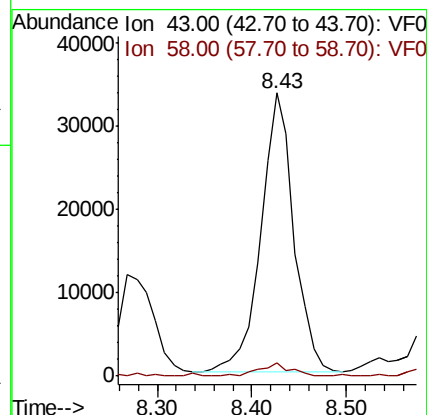
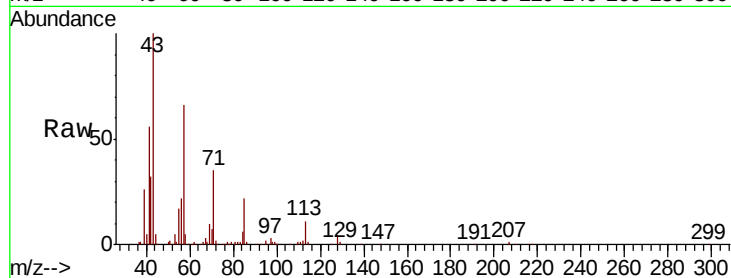
NON-UST-1A

Tot Ion: 43 Resp: 81149

Ion Ratio Lower Upper

43 100

58 4.9 25.4 38.2#



#55

1,1,2-Trichloroethane

Concen: 10.787 ug/l

RT: 8.53 min Scan# 802

Delta R.T. -0.10 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Tgt Ion: 97 Resp: 20354

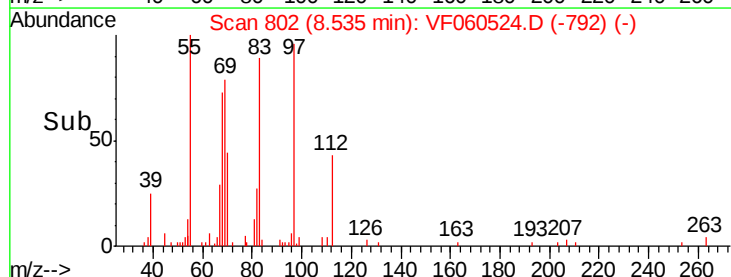
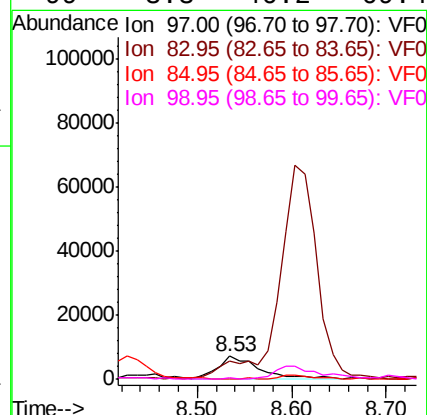
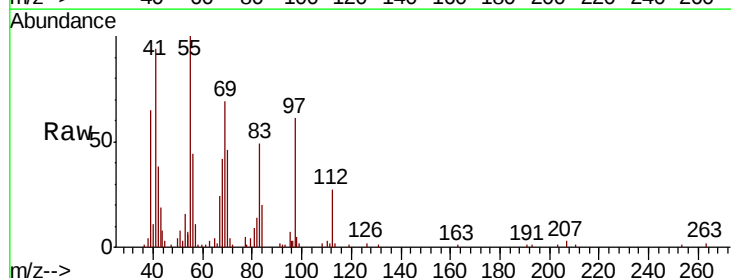
Ion Ratio Lower Upper

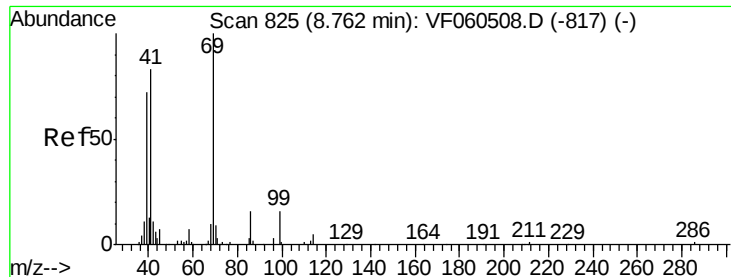
97 100

83 81.3 65.0 97.4

85 0.0 47.0 70.6#

99 3.3 46.2 69.4#





#56

Ethyl methacrylate

Concen: 80.652 ug/l

RT: 8.77 min Scan# 826

Delta R.T. 0.01 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

NON-UST-1A

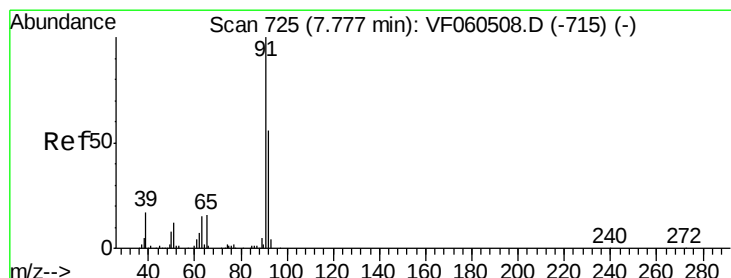
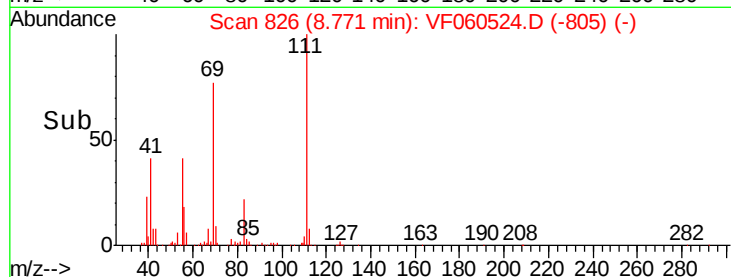
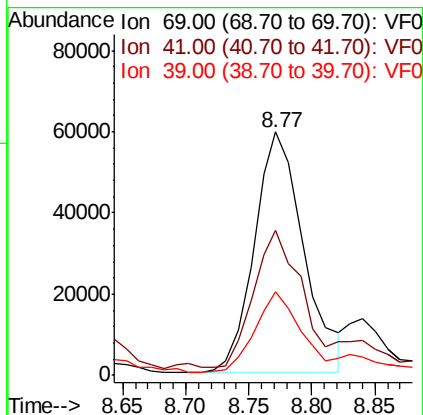
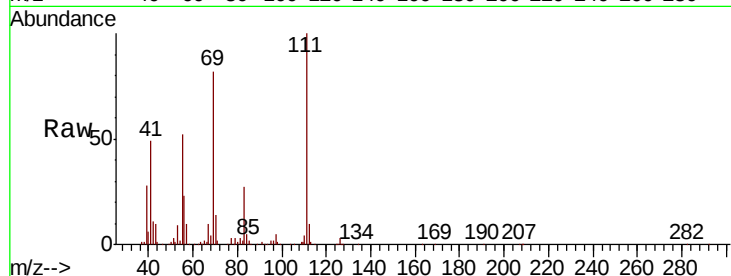
Tot Ion: 69 Resp: 162317

Ion Ratio Lower Upper

69 100

41 59.7 67.2 100.8#

39 34.4 58.4 87.6#



#58

2-Chloroethyl Vinyl ether

Concen: 5.433 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060524.D

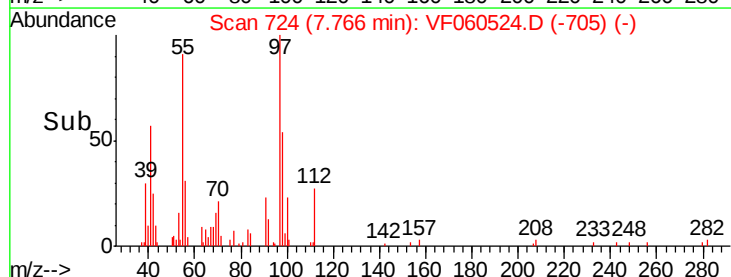
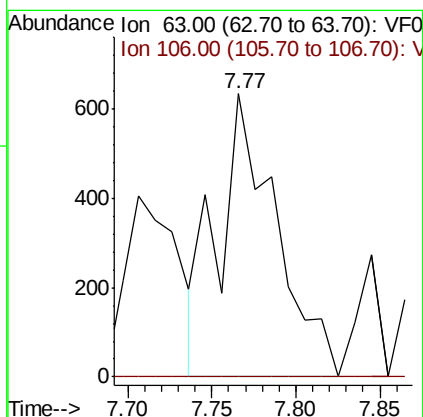
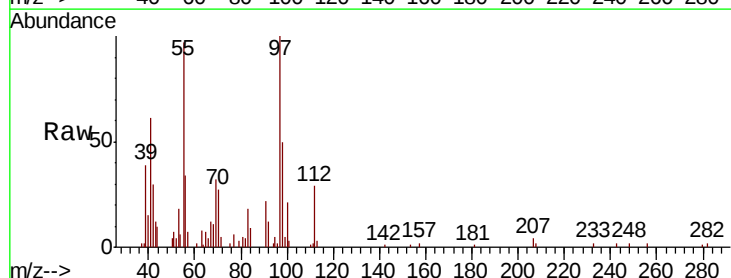
Acq: 26 Oct 2018 18:54

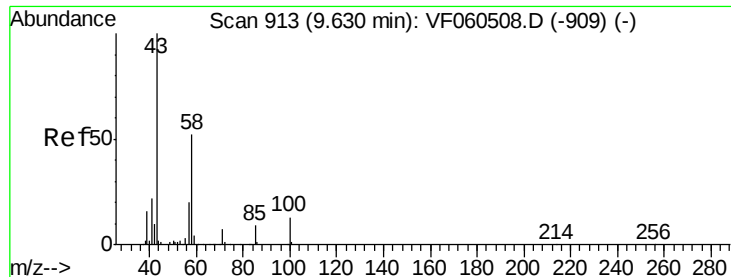
Tgt Ion: 63 Resp: 1512

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

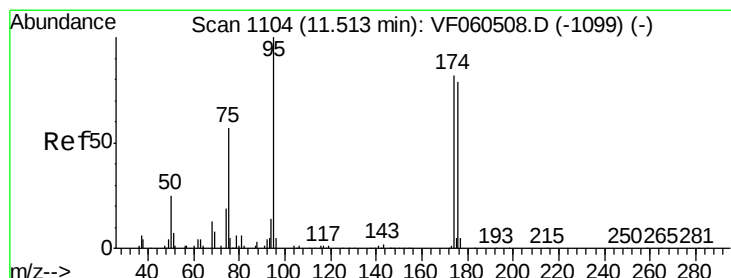
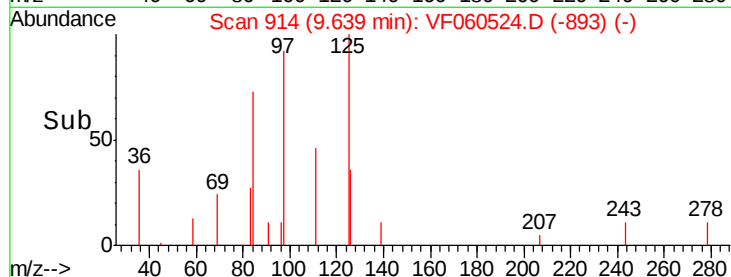
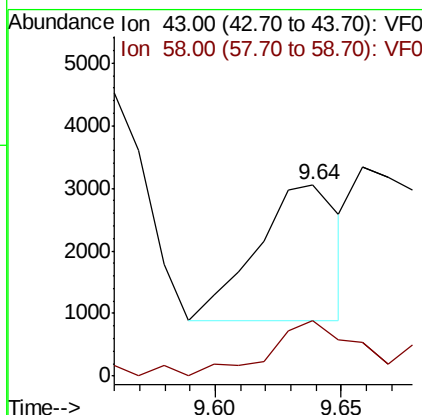
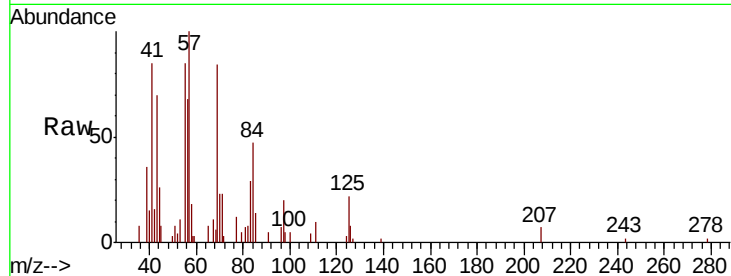




#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 914
Delta R.T. 0.01 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

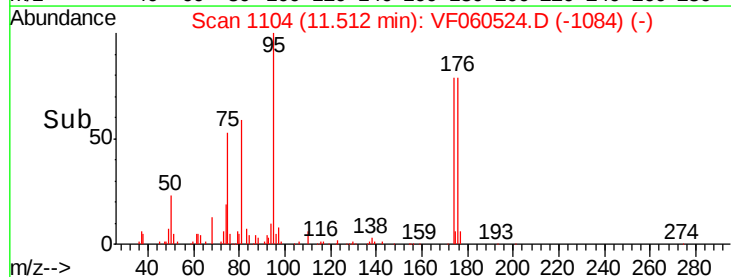
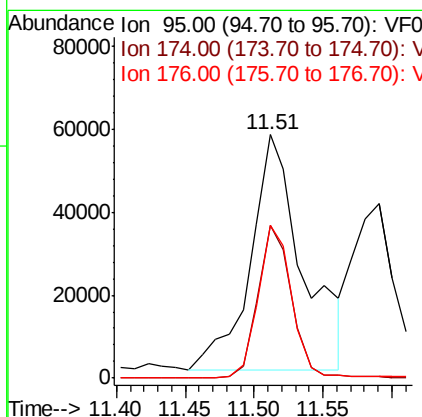
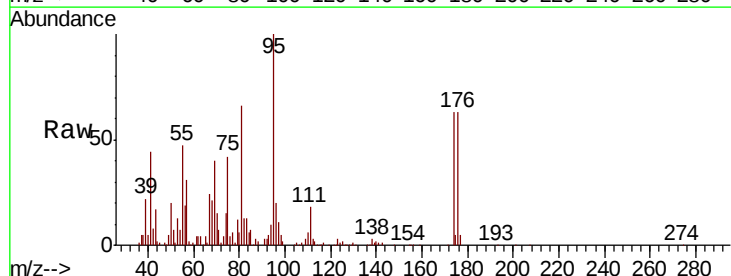
Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

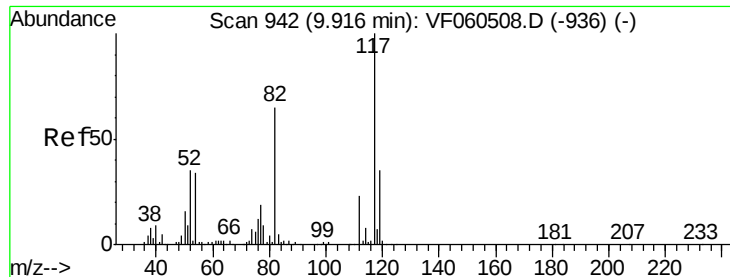
Tot Ion: 43 Resp: 4954
Ion Ratio Lower Upper
43 100
58 29.0 23.5 70.5



#62
4-Bromofluorobenzene
Concen: 30.102 ug/l
RT: 11.51 min Scan# 1104
Delta R.T. -0.00 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion: 95 Resp: 150128
Ion Ratio Lower Upper
95 100
174 62.7 0.0 164.2
176 62.5 0.0 158.4

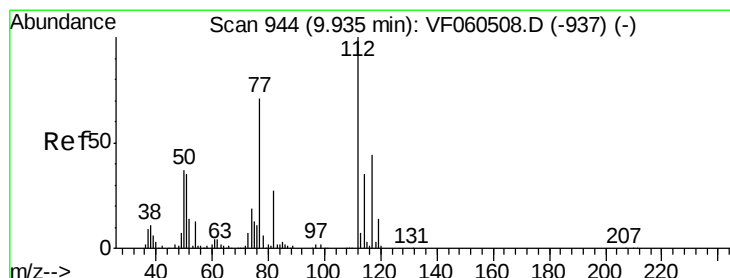
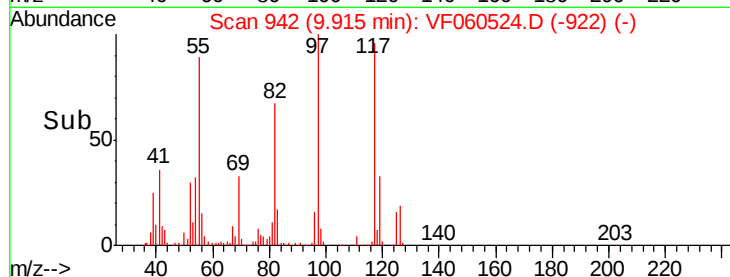
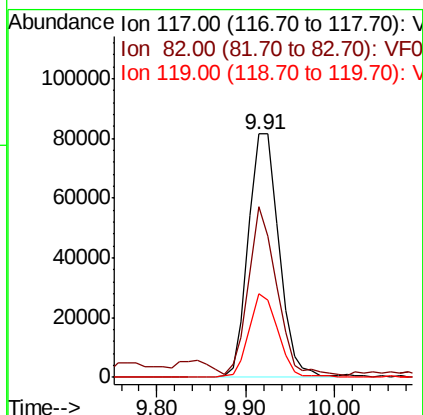
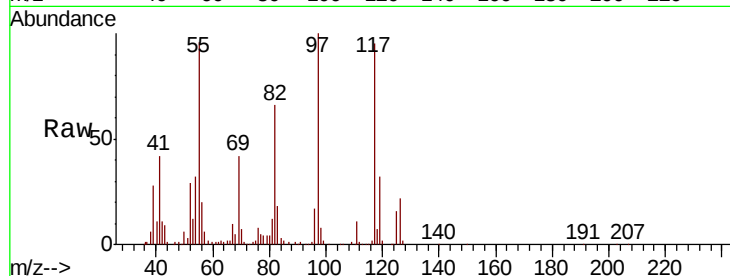




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

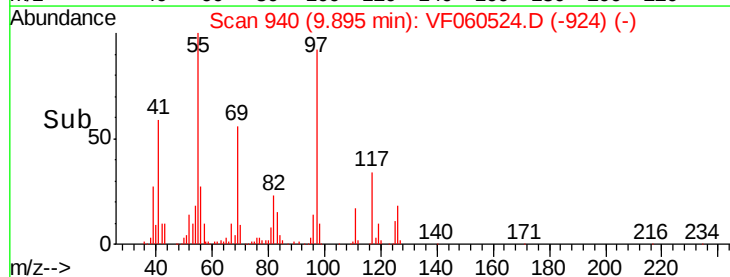
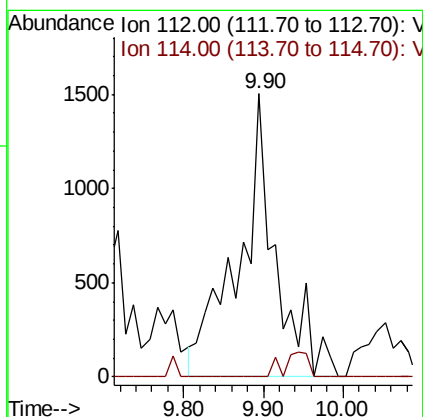
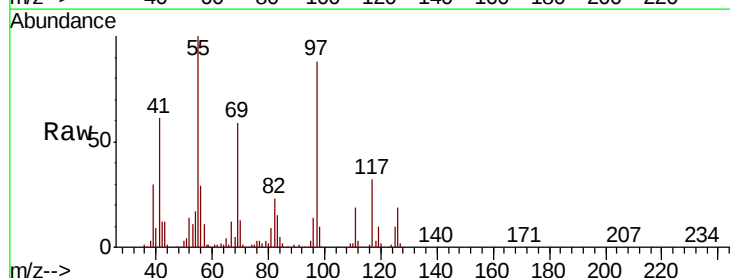
Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

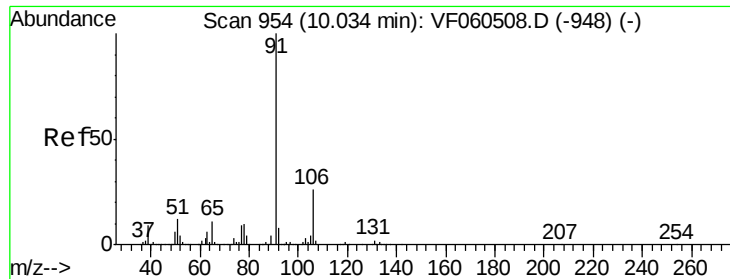
Tot Ion:117 Resp: 194066
Ion Ratio Lower Upper
117 100
82 70.3 51.7 77.5
119 34.1 28.3 42.5



#65
Chlorobenzene
Concen: 1.191 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.04 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion:112 Resp: 4860
Ion Ratio Lower Upper
112 100
114 0.0 27.7 41.5#





#67

Ethyl Benzene

Concen: 1.591 ug/l

RT: 10.04 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

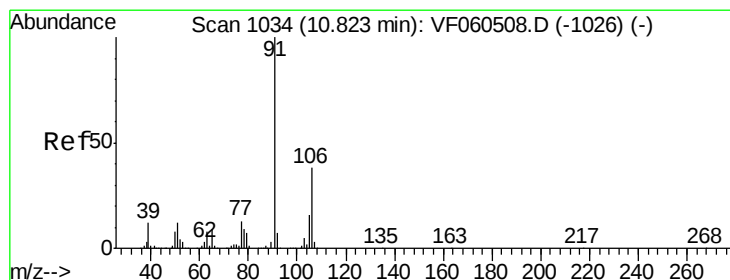
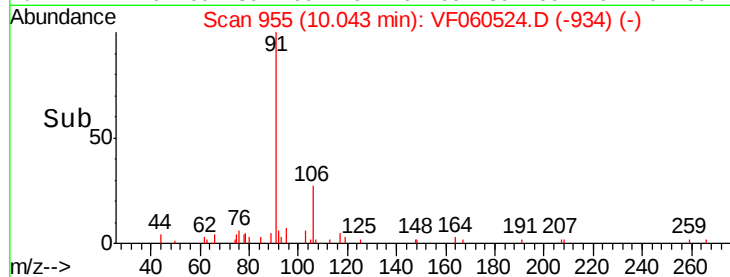
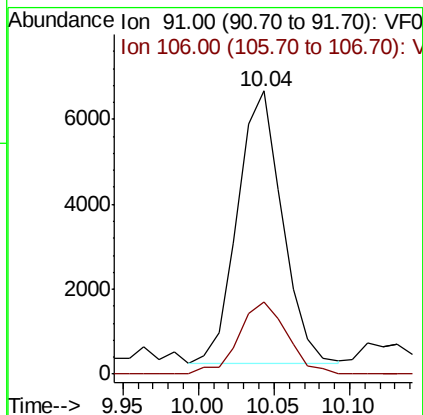
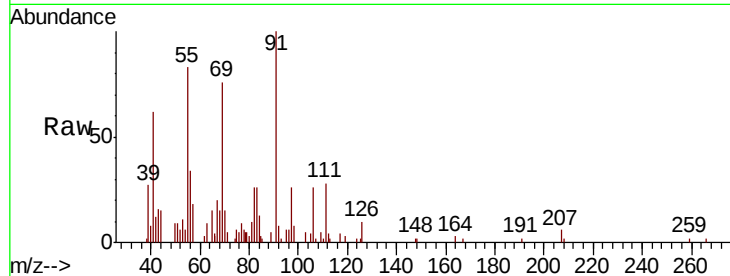
NON-UST-1A

Tot Ion: 91 Resp: 13253

Ion Ratio Lower Upper

91 100

106 25.6 20.7 31.1



#69

o-Xylene

Concen: 6.016 ug/l

RT: 10.83 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VF060524.D

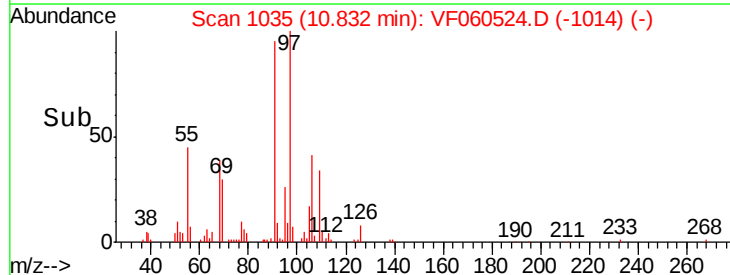
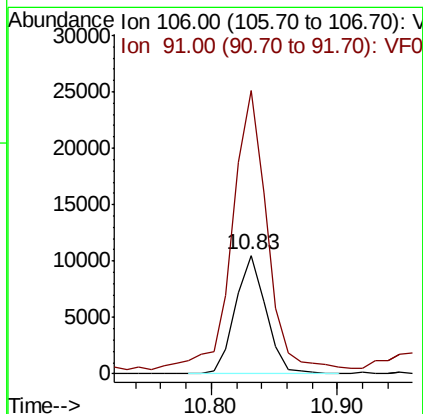
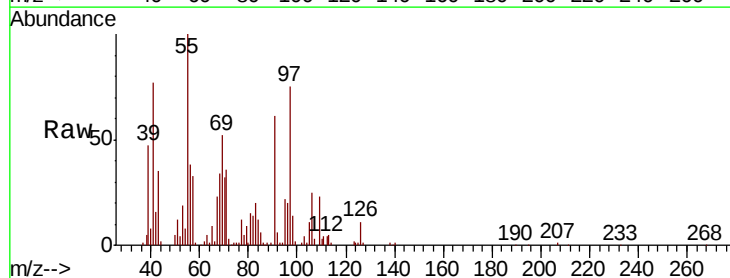
Acq: 26 Oct 2018 18:54

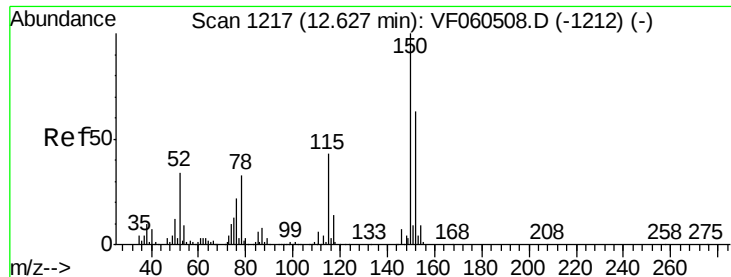
Tgt Ion: 106 Resp: 17651

Ion Ratio Lower Upper

106 100

91 238.8 130.9 392.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

NON-UST-1A

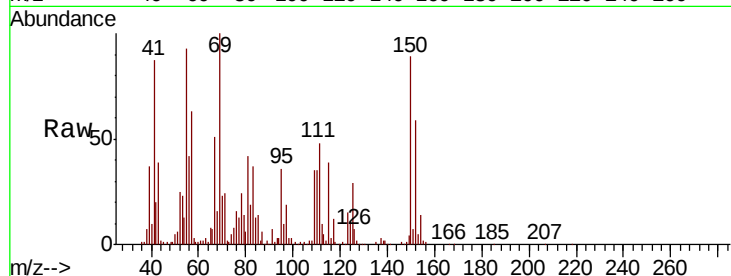
Tot Ion:152 Resp: 64964

Ion Ratio Lower Upper

152 100

115 65.8 34.6 103.9

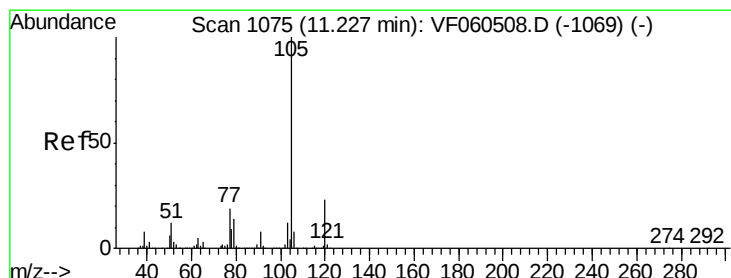
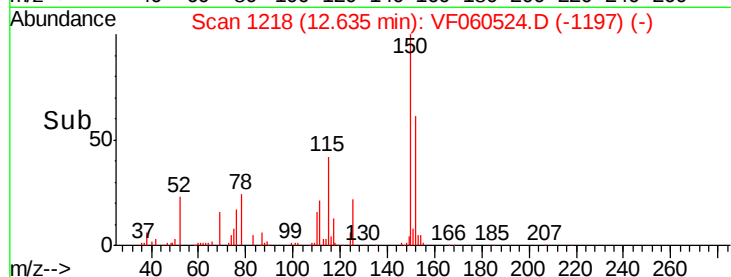
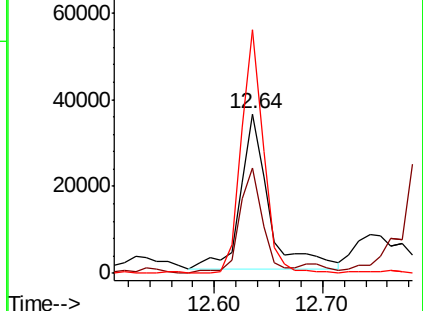
150 152.5 0.0 319.8



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 66.574 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060524.D

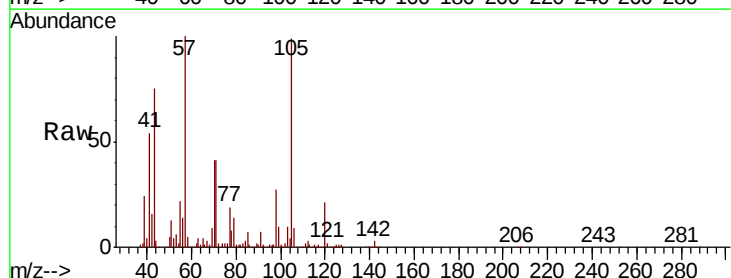
Acq: 26 Oct 2018 18:54

Tgt Ion:105 Resp: 343563

Ion Ratio Lower Upper

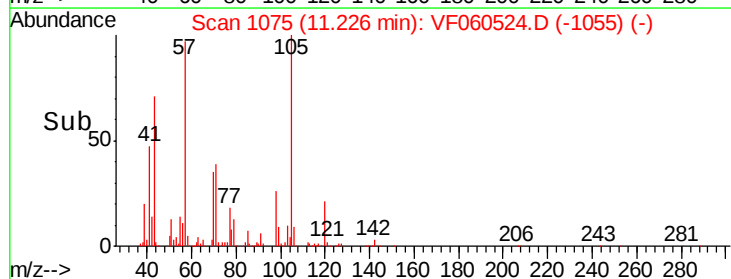
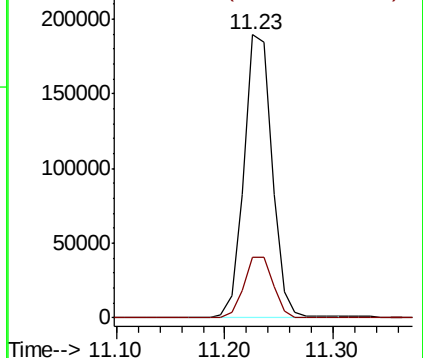
105 100

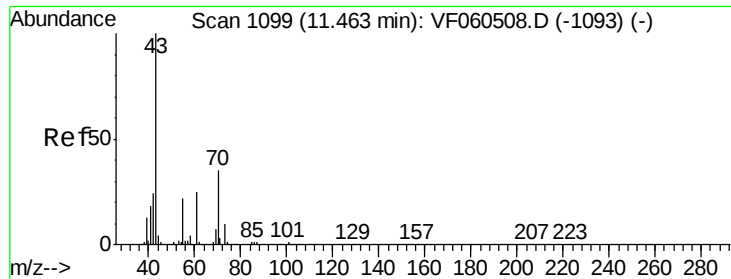
120 21.4 11.6 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 62.623 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.03 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

NON-UST-1A

Tot Ion: 43 Resp: 57391

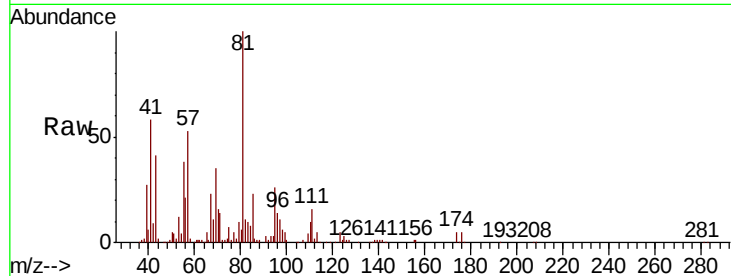
Ion Ratio Lower Upper

43 100

70 39.7 28.2 42.2

55 91.6 17.9 26.9#

61 2.6 19.9 29.9#

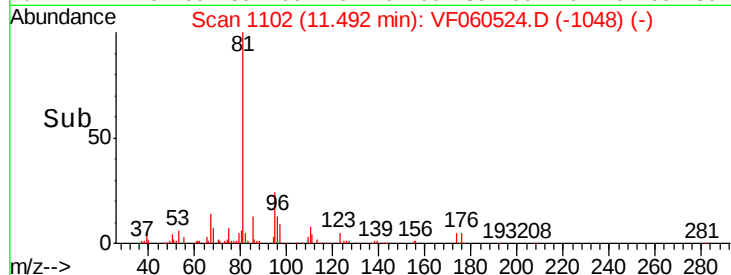


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

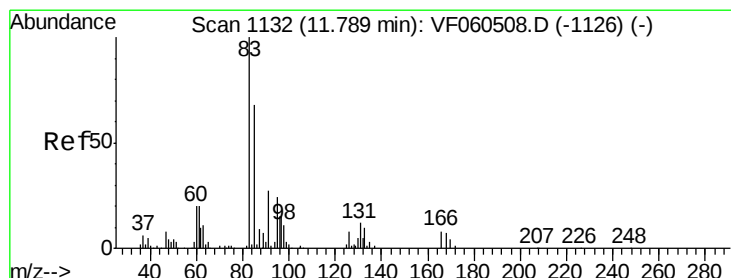
Ion 61.00 (60.70 to 61.70): VF0



Time-->

11.40 11.45 11.50

11.49



#75

1,1,2,2-Tetrachloroethane

Concen: 109.326 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

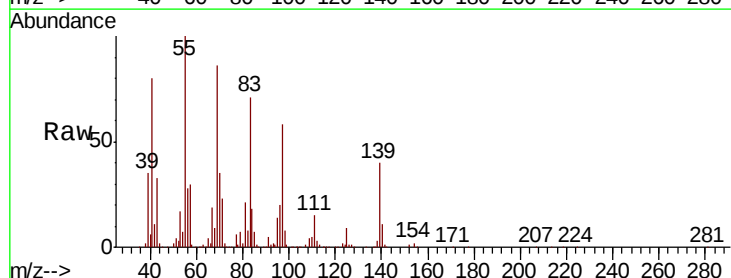
Tgt Ion: 83 Resp: 81294

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

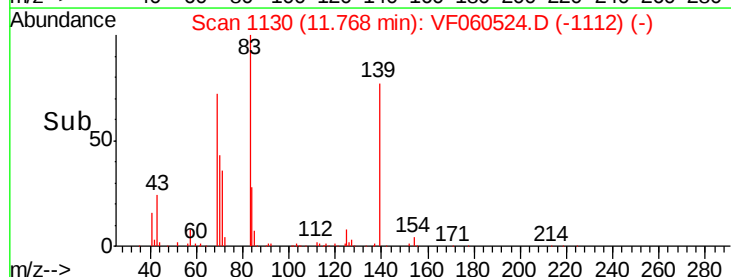
85 10.1 34.2 102.6#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

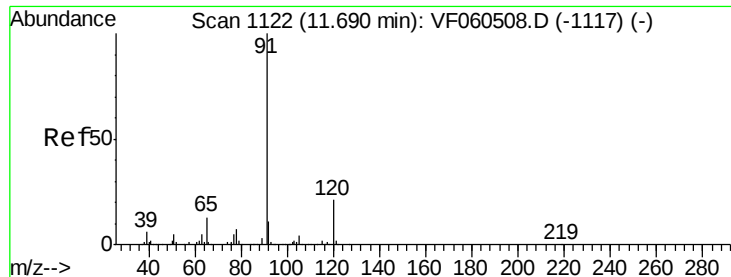
Ion 85.00 (84.70 to 85.70): VF0



Time-->

11.75 11.80

11.77



#78

n-propylbenzene

Concen: 97.582 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

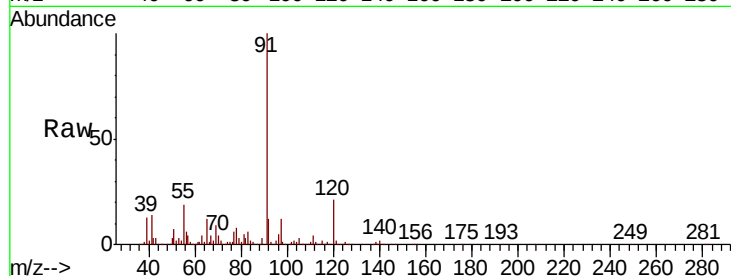
NON-UST-1A

Tot Ion: 91 Resp: 588742

Ion Ratio Lower Upper

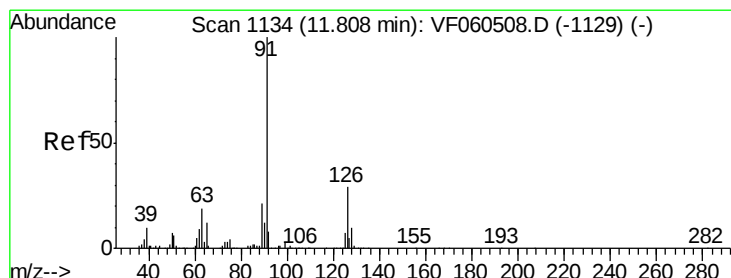
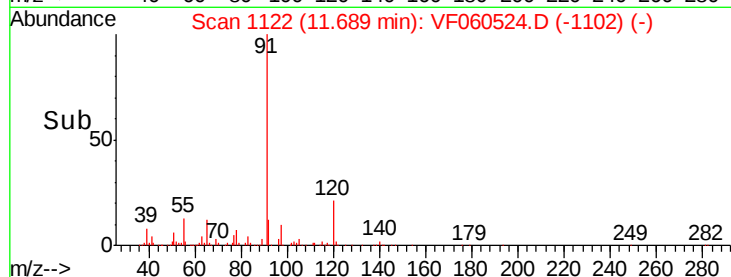
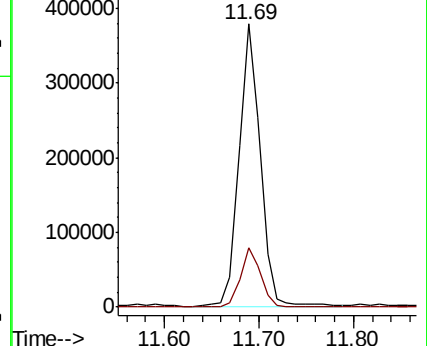
91 100

120 20.9 10.3 30.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 161.026 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.12 min

Lab File: VF060524.D

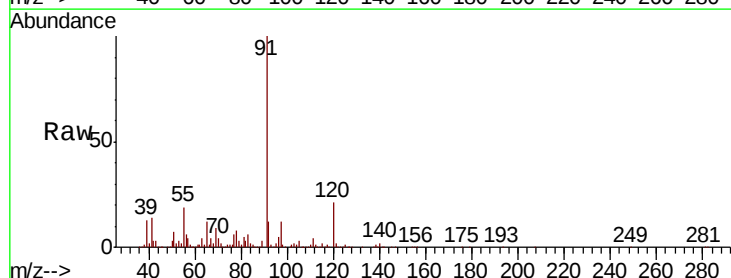
Acq: 26 Oct 2018 18:54

Tgt Ion: 91 Resp: 588742

Ion Ratio Lower Upper

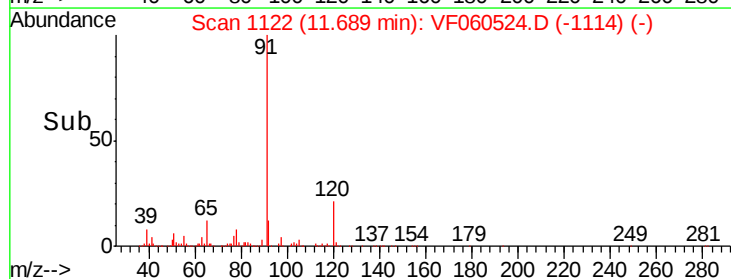
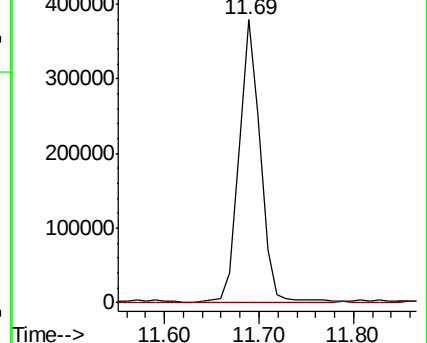
91 100

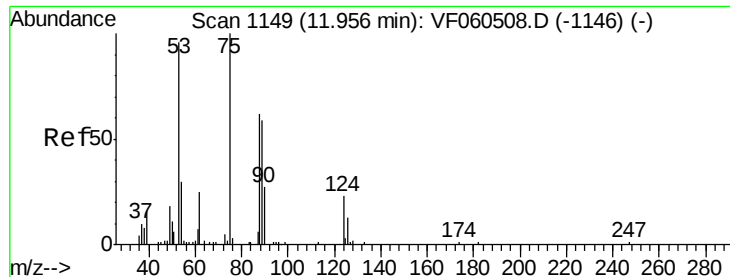
126 0.1 14.4 43.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 1.963 ug/l

RT: 11.97 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

NON-UST-1A

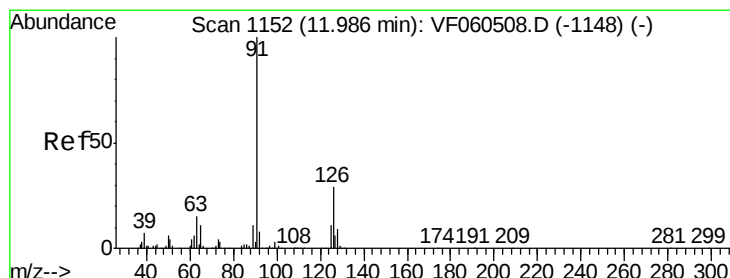
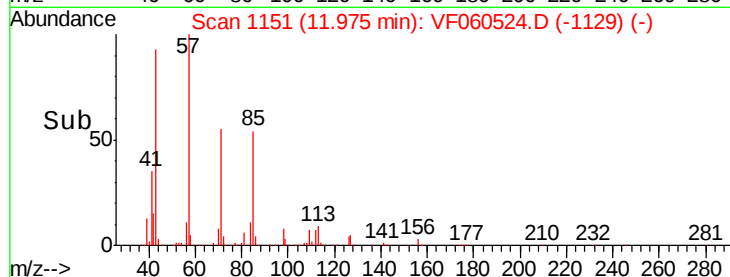
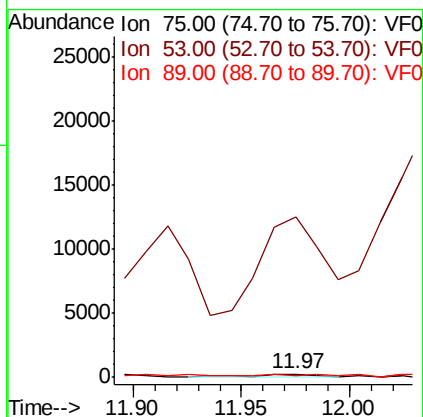
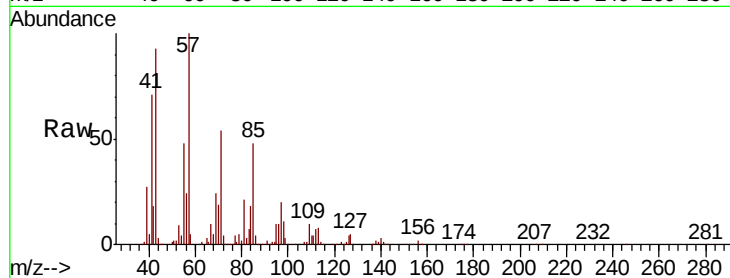
Tot Ion: 75 Resp: 536

Ion Ratio Lower Upper

75 100

53 4564.7 85.0 127.6#

89 59.6 50.2 75.4



#82

4-Chlorotoluene

Concen: 2.218 ug/l

RT: 12.04 min Scan# 1158

Delta R.T. 0.06 min

Lab File: VF060524.D

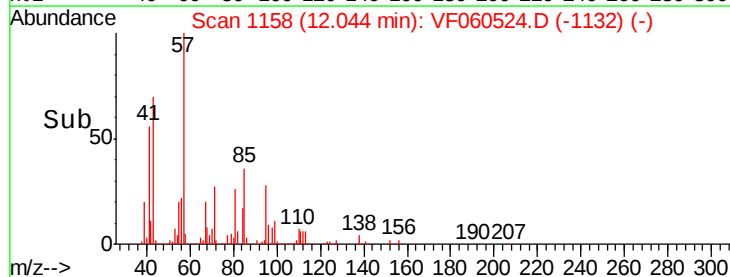
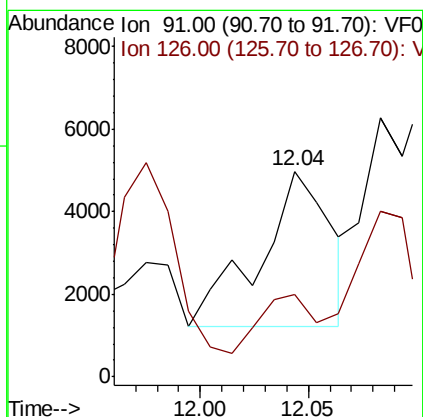
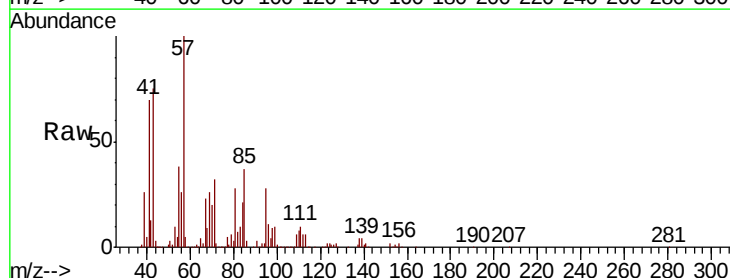
Acq: 26 Oct 2018 18:54

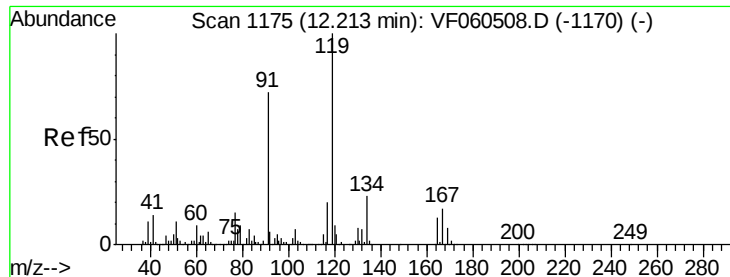
Tgt Ion: 91 Resp: 8570

Ion Ratio Lower Upper

91 100

126 40.1 14.8 44.4





#83

tert-Butylbenzene

Concen: 8.217 ug/l

RT: 12.22 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

NON-UST-1A

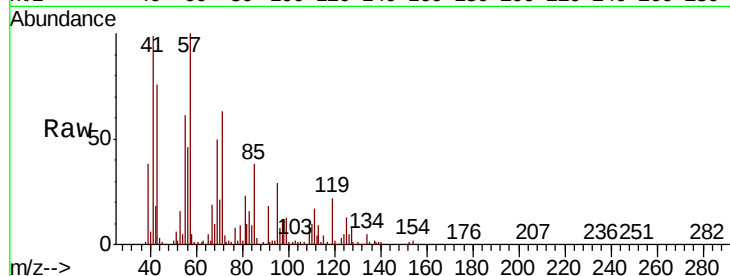
Tot Ion:119 Resp: 37617

Ion Ratio Lower Upper

119 100

91 81.6 36.3 108.9

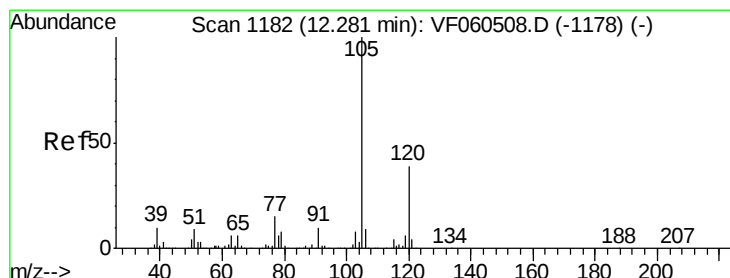
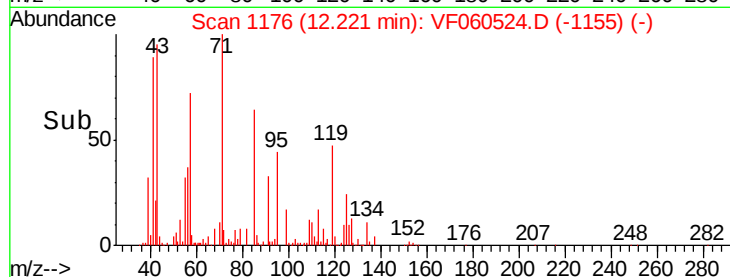
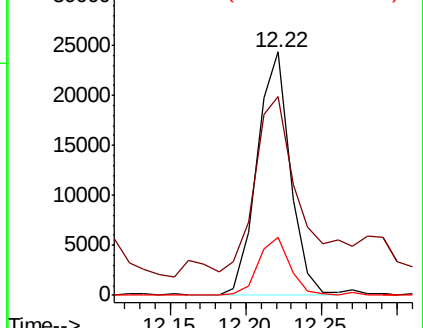
134 23.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 85.687 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. 0.11 min

Lab File: VF060524.D

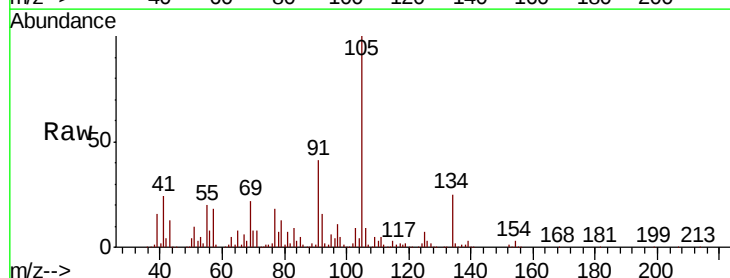
Acq: 26 Oct 2018 18:54

Tgt Ion:105 Resp: 384952

Ion Ratio Lower Upper

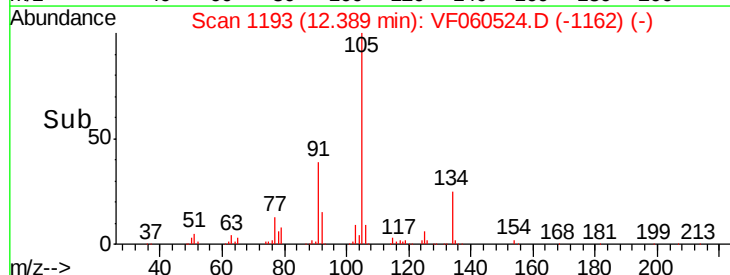
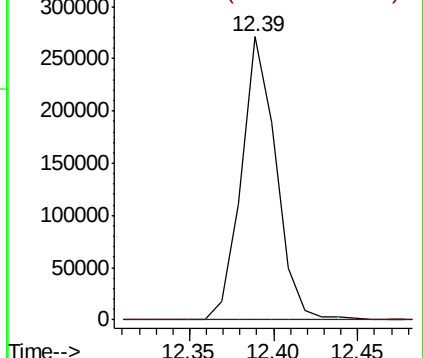
105 100

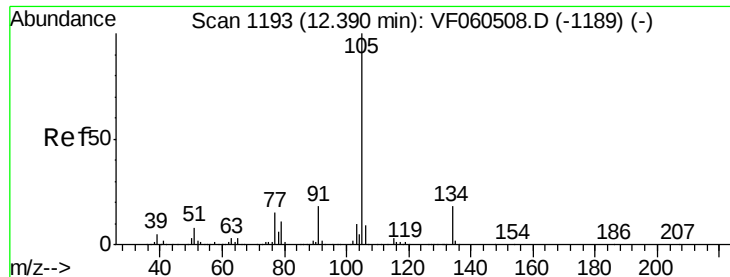
120 0.1 19.4 58.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

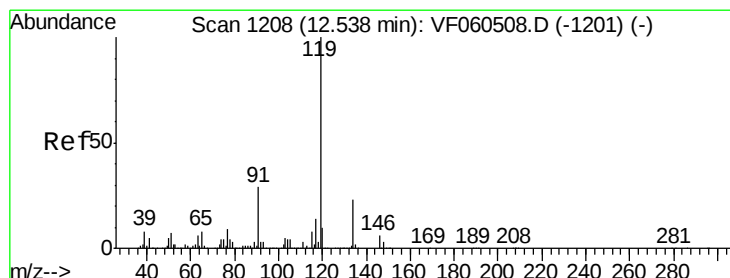
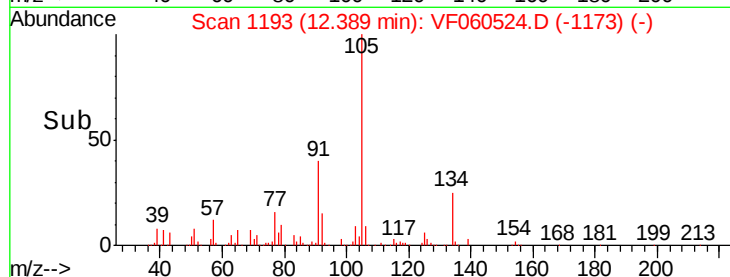
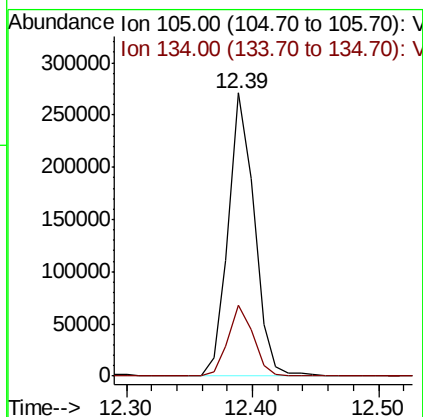
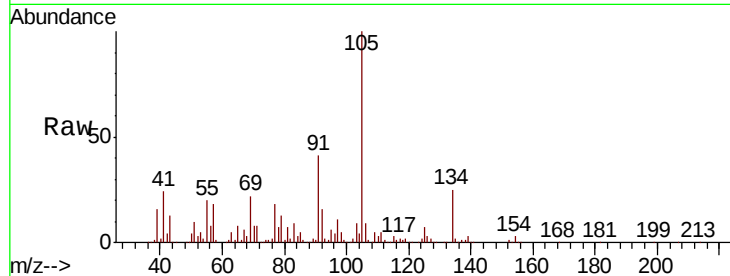




#85
 sec-Butylbenzene
 Concen: 62.815 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

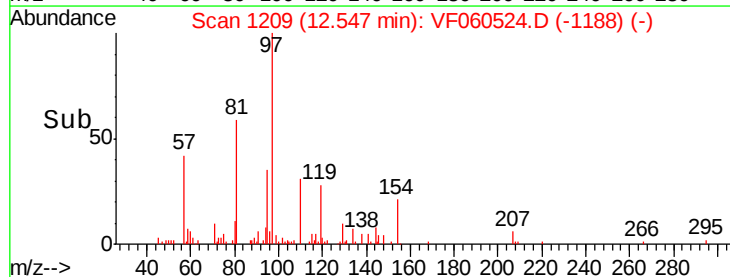
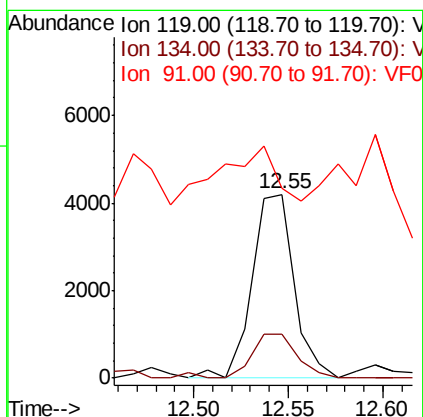
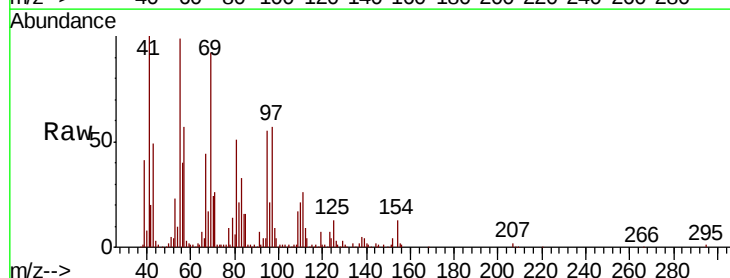
Instrument :
 MSVOA_F
 ClientSampleId :
 NON-UST-1A

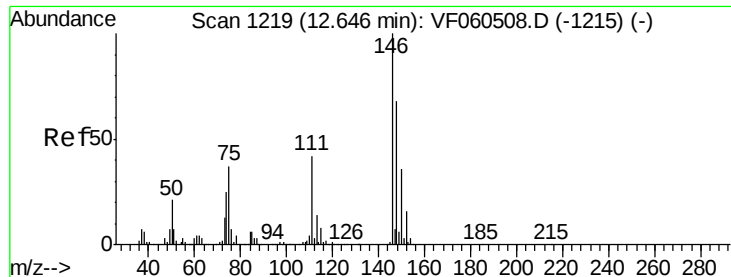
Tot Ion:105 Resp: 385937
 Ion Ratio Lower Upper
 105 100
 134 25.1 9.2 27.4



#86
 p-Isopropyltoluene
 Concen: 1.243 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

Tgt Ion:119 Resp: 6490
 Ion Ratio Lower Upper
 119 100
 134 23.9 11.7 35.0
 91 103.3 14.4 43.4#

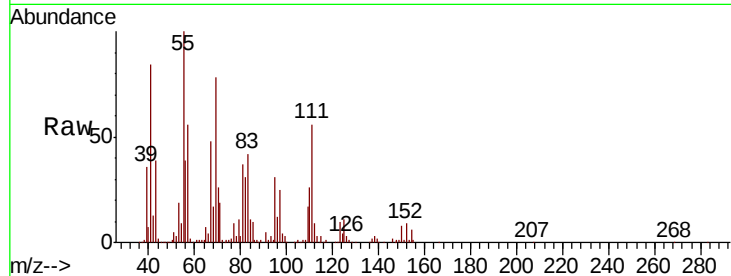




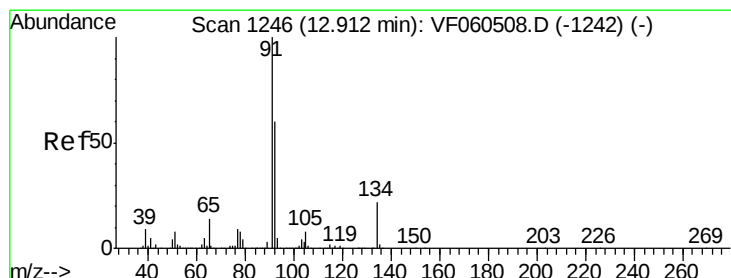
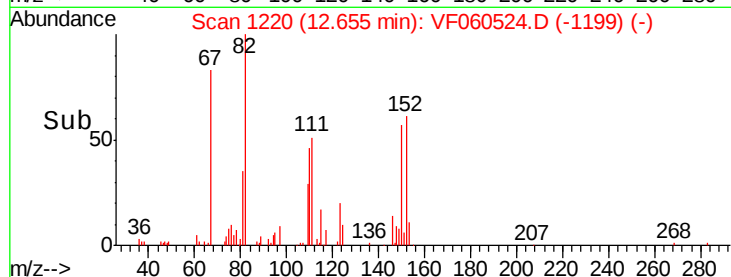
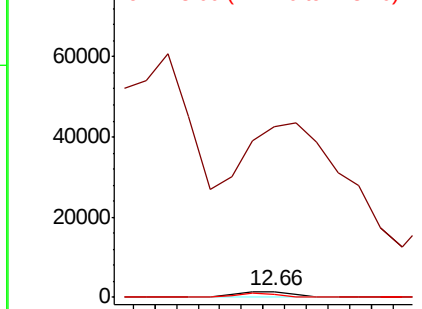
#88
 1,4-Dichlorobenzene
 Concen: 1.136 ug/l
 RT: 12.66 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 NON-UST-1A

Tot Ion:146 Resp: 2406
 Ion Ratio Lower Upper
 146 100
 111 3000.3 21.1 63.3#
 148 62.4 33.9 101.7

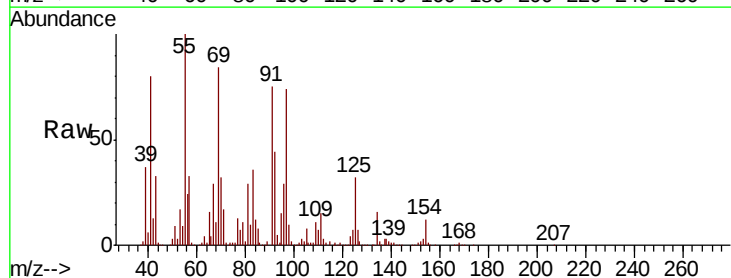


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

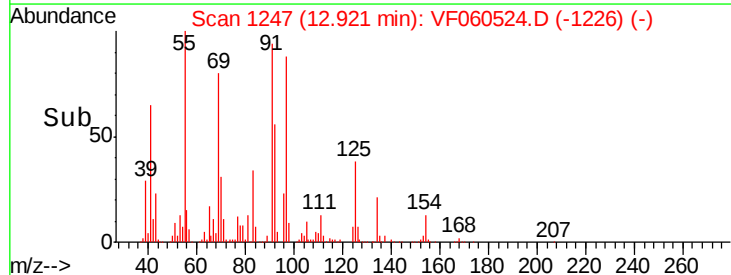
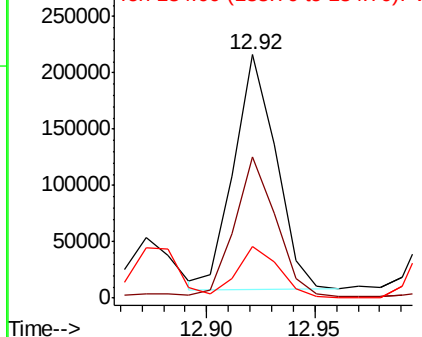


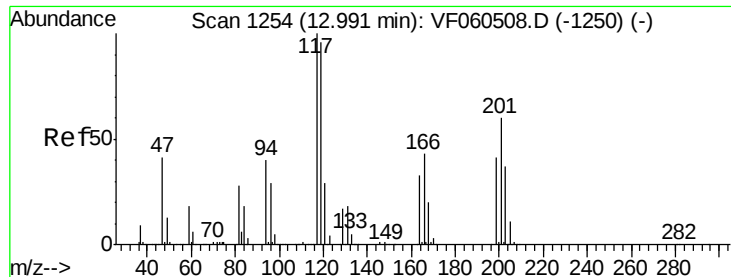
#89
 n-Butylbenzene
 Concen: 51.086 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. 0.01 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

Tgt Ion: 91 Resp: 283649
 Ion Ratio Lower Upper
 91 100
 92 58.2 29.8 89.3
 134 21.3 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0
 Ion 92.00 (91.70 to 92.70): VF0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 31.373 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

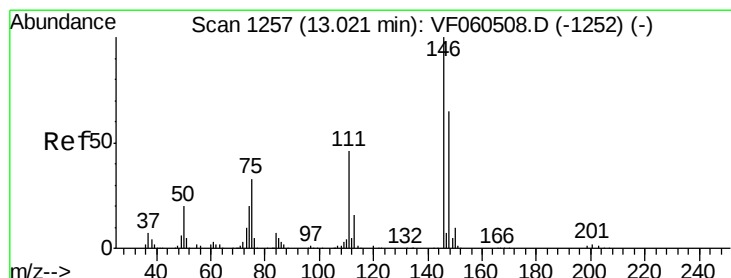
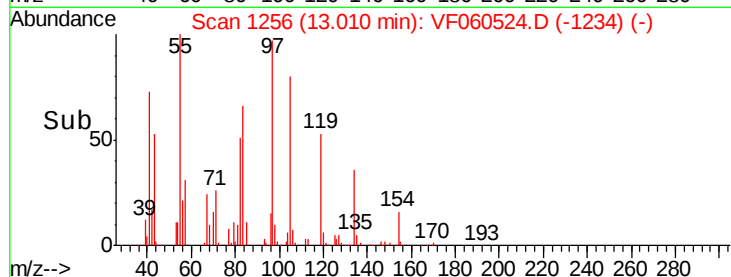
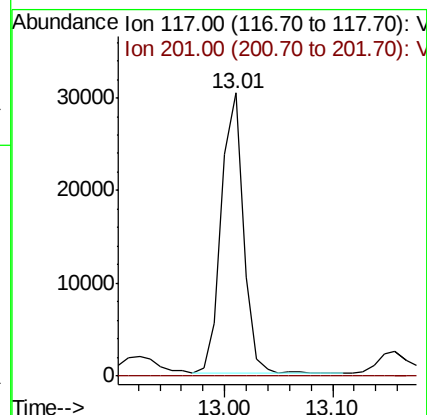
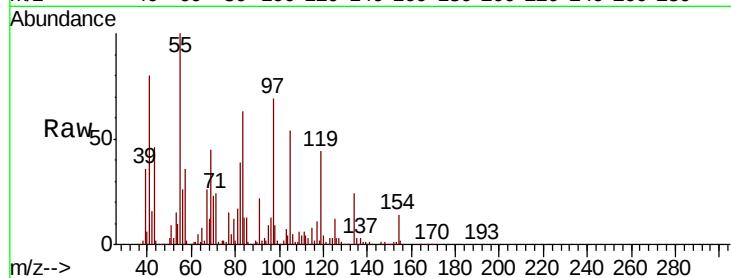
NON-UST-1A

Tot Ion:117 Resp: 42970

Ion Ratio Lower Upper

117 100

201 0.0 30.1 90.5#



#91

1,2-Dichlorobenzene

Concen: 6.089 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF060524.D

Acq: 26 Oct 2018 18:54

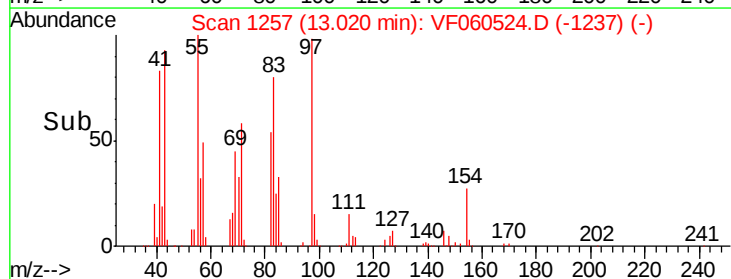
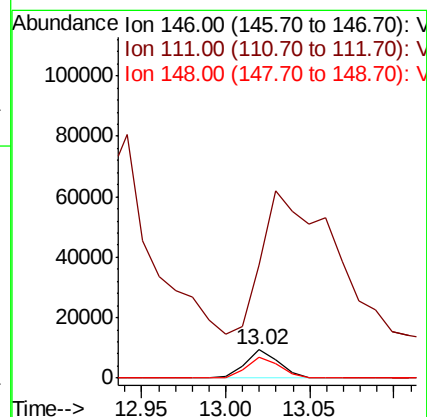
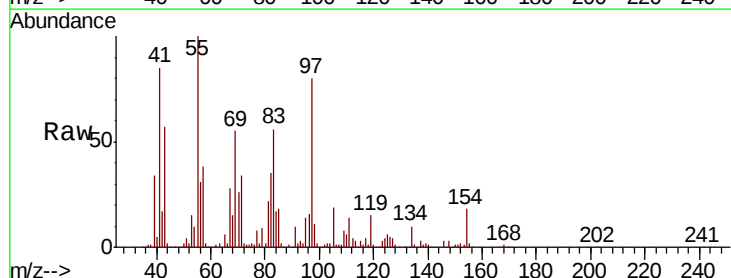
Tgt Ion:146 Resp: 12772

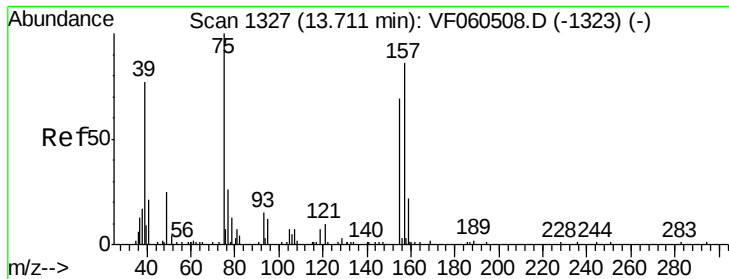
Ion Ratio Lower Upper

146 100

111 398.5 22.8 68.4#

148 75.0 32.3 96.9

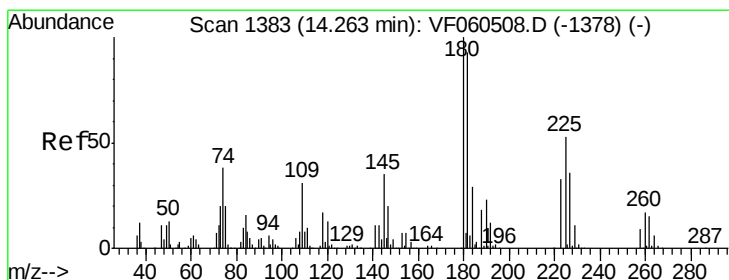
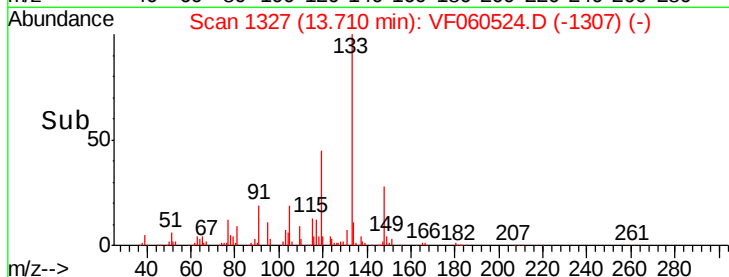
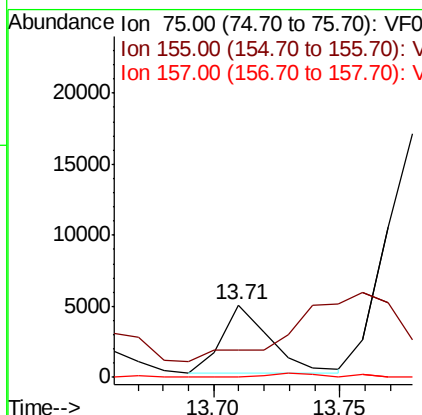
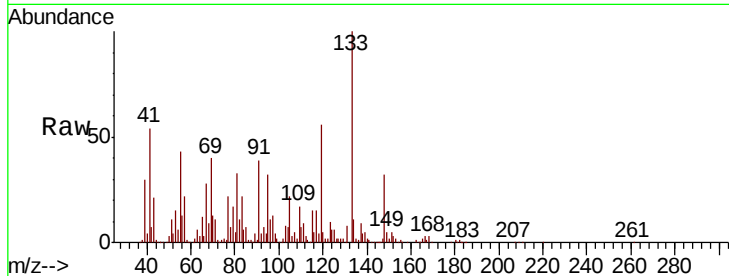




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 34.053 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

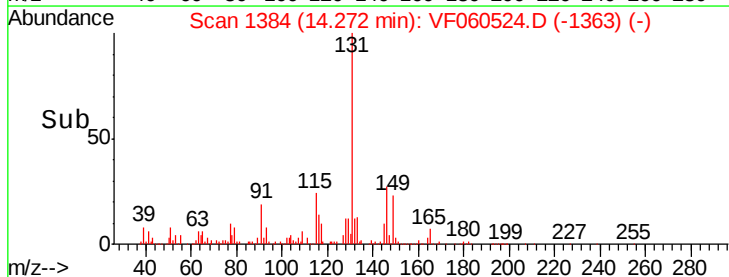
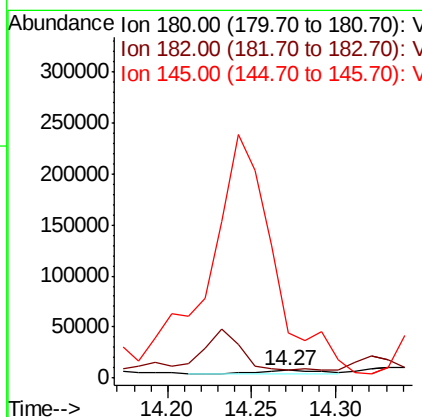
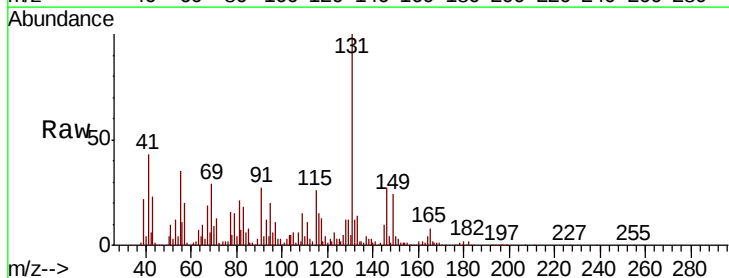
Instrument :
 MSVOA_F
 ClientSampleId :
 NON-UST-1A

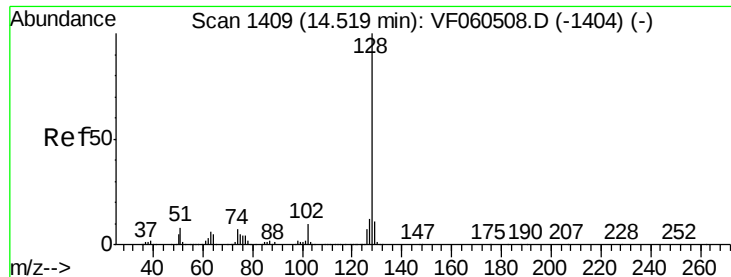
Tot Ion: 75 Resp: 6455
 Ion Ratio Lower Upper
 75 100
 155 36.9 34.7 104.1
 157 0.0 42.9 128.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.947 ug/l
 RT: 14.27 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VF060524.D
 Acq: 26 Oct 2018 18:54

Tgt Ion:180 Resp: 10156
 Ion Ratio Lower Upper
 180 100
 182 110.6 46.7 140.0
 145 584.7 17.3 52.0#

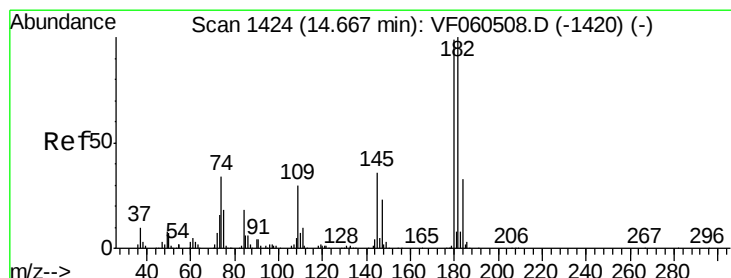
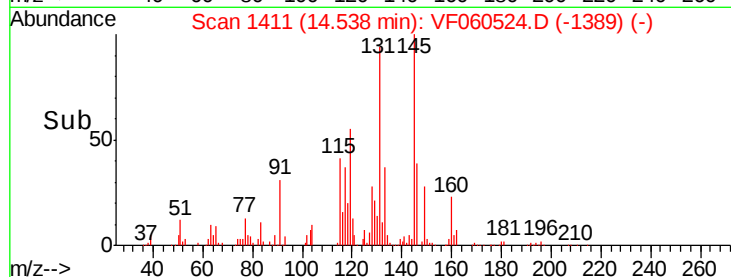
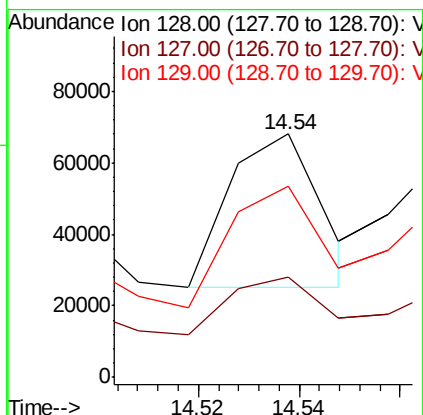
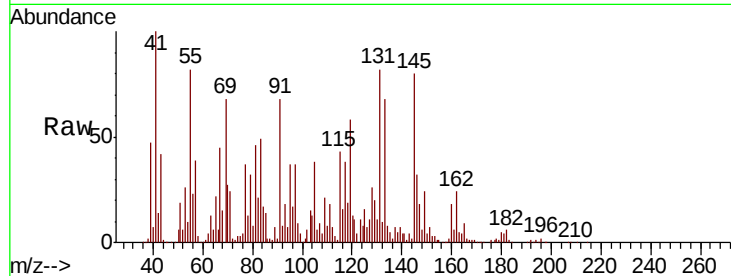




#95
Naphthalene
Concen: 19.833 ug/l
RT: 14.54 min Scan# 1411
Delta R.T. 0.02 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
NON-UST-1A

Tot Ion:128 Resp: 53423
Ion Ratio Lower Upper
128 100
127 41.2 10.0 15.0#
129 78.4 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 39.285 ug/l
RT: 14.72 min Scan# 1429
Delta R.T. 0.05 min
Lab File: VF060524.D
Acq: 26 Oct 2018 18:54

Tgt Ion:180 Resp: 61711
Ion Ratio Lower Upper
180 100
182 37.5 50.7 152.1#
145 282.5 18.1 54.4#

