

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060173.D
 Acq On : 29 Aug 2018 3:43
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF082918

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:02:15 PM

Quant Time: Aug 29 04:06:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	84266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	91261	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	72321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	36003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	23406	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	
35) Dibromofluoromethane	4.27	113	29274	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	7.70	98	110532	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
62) 4-Bromofluorobenzene	11.51	95	38412	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	84851	48.93	ug/l	97
3) Chloromethane	1.08	50	34854	53.92	ug/l	93
4) Vinyl Chloride	1.13	62	35968	55.53	ug/l	97
5) Bromomethane	1.32	94	15847	48.95	ug/l	96
6) Chloroethane	1.40	64	20502	52.94	ug/l	97
7) Trichlorofluoromethane	1.49	101	149789	50.53	ug/l	98
8) Diethyl Ether	1.69	74	5722	51.67	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.86	101	67311	51.61	ug/l	99
10) Methyl Iodide	1.93	142	31785	50.85	ug/l	93
11) Tert butyl alcohol	2.61	59	2559	255.40	ug/l	97
12) 1,1-Dichloroethene	1.83	96	43796	53.87	ug/l	81
13) Acrolein	2.07	56	2736	245.90	ug/l #	76
14) Allyl chloride	2.18	41	39188	58.03	ug/l	94
15) Acrylonitrile	3.05	53	6440	251.73	ug/l #	86
16) Acetone	2.31	43	14452	239.71	ug/l #	91
17) Carbon Disulfide	1.85	76	133419	55.87	ug/l	99
18) Methyl Acetate	2.43	43	6123m	61.60	ug/l	
19) Methyl tert-butyl Ether	2.51	73	30427	50.79	ug/l	95
20) Methylene Chloride	2.28	84	19532	47.85	ug/l	88
21) trans-1,2-Dichloroethene	2.41	96	35075	51.10	ug/l	87
22) Diisopropyl ether	2.90	45	60648	54.57	ug/l #	87
23) Vinyl Acetate	3.30	43	76766	234.70	ug/l	99
24) 1,1-Dichloroethane	2.99	63	59053	51.05	ug/l #	98
25) 2-Butanone	4.47	43	14502	233.92	ug/l	91
26) 2,2-Dichloropropane	3.74	77	42763	46.56	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	24772	51.30	ug/l	93
28) Bromochloromethane	3.88	49	12828	51.51	ug/l #	67
29) Tetrahydrofuran	4.21	42	8248	258.59	ug/l #	87
30) Chloroform	4.01	83	63060	48.60	ug/l	93
31) Cyclohexane	3.86	56	67854	61.21	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	95822	51.67	ug/l	95
36) 1,1-Dichloropropene	4.46	75	70345	55.85	ug/l	91
37) Ethyl Acetate	4.25	43	8078	48.18	ug/l #	66
38) Carbon Tetrachloride	4.16	117	90080	51.94	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	75762	62.11	ug/l	96
40) Benzene	4.79	78	92066	53.69	ug/l	97
41) Methacrylonitrile	4.89	41	4738	53.82	ug/l #	92
42) 1,2-Dichloroethane	5.10	62	28706	46.49	ug/l	98
43) Isopropyl Acetate	7.09	43	10753	54.96	ug/l #	88
44) Trichloroethene	5.66	130	39019	53.04	ug/l	95
45) 1,2-Dichloropropane	6.39	63	17266	47.58	ug/l	90
46) Dibromomethane	6.24	93	9472	45.53	ug/l #	86
47) Bromodichloromethane	6.54	83	34489	48.26	ug/l	97
48) Methyl methacrylate	6.85	41	6850	45.75	ug/l #	71
49) 1,4-Dioxane	6.84	88	1186	1134.11	ug/l #	66
51) 4-Methyl-2-Pentanone	8.39	43	46791	273.77	ug/l	93
52) Toluene	7.77	92	71001	53.60	ug/l	93
53) t-1,3-Dichloropropene	8.41	75	21668	47.18	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	28003	46.46	ug/l #	93
55) 1,1,2-Trichloroethane	8.63	97	11413	50.31	ug/l	94
56) Ethyl methacrylate	8.75	69	11496	51.83	ug/l #	86
57) 1,3-Dichloropropane	8.99	76	19216	48.89	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.77	63	13860	253.33	ug/l	100
59) 2-Hexanone	9.61	43	33280	277.41	ug/l	93
60) Dibromochloromethane	8.85	129	19093	50.77	ug/l	90
61) 1,2-Dibromoethane	9.13	107	10839	46.63	ug/l	97
64) Tetrachloroethene	8.30	164	49685	55.81	ug/l	97
65) Chlorobenzene	9.93	112	80251	55.31	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	27015	55.45	ug/l	91
67) Ethyl Benzene	10.04	91	187222	56.68	ug/l	97
68) m/p-Xylenes	10.26	106	123244	108.84	ug/l	75
69) o-Xylene	10.83	106	56666	58.50	ug/l	96
70) Styrene	10.89	104	71205	59.48	ug/l	96
71) Bromoform	10.88	173	9474	49.54	ug/l	100
73) Isopropylbenzene	11.22	105	224851	57.01	ug/l	100
74) N-amyl acetate	11.46	43	15517	52.56	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	13576	51.34	ug/l	93
76) 1,2,3-Trichloropropane	11.88	75	11723	51.69	ug/l	80
77) Bromobenzene	11.58	156	31954	55.66	ug/l	89
78) n-propylbenzene	11.68	91	268888	56.67	ug/l	98
79) 2-Chlorotoluene	11.81	91	121127	54.92	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	166747	55.81	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	2442	40.08	ug/l #	72
82) 4-Chlorotoluene	11.99	91	115856	53.55	ug/l	98
83) tert-Butylbenzene	12.22	119	175842	56.16	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	145338	57.15	ug/l	97
85) sec-Butylbenzene	12.38	105	263317	56.18	ug/l	95
86) p-Isopropyltoluene	12.53	119	194284	55.86	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	65045	52.99	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	61182	55.27	ug/l	96
89) n-Butylbenzene	12.92	91	166602	49.37	ug/l	94
90) Hexachloroethane	12.99	117	41383	55.47	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	50756	53.50	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2247	49.60	ug/l	76

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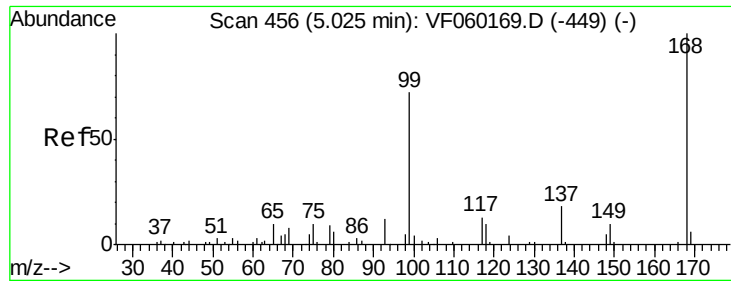
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	23456	48.43	ug/l	91
94) Hexachlorobutadiene	14.26	225	45961	54.75	ug/l	96
95) Naphthalene	14.52	128	16866	43.53	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.66	180	18608	47.21	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion:168 Resp: 84266

Ion Ratio Lower Upper

168 100

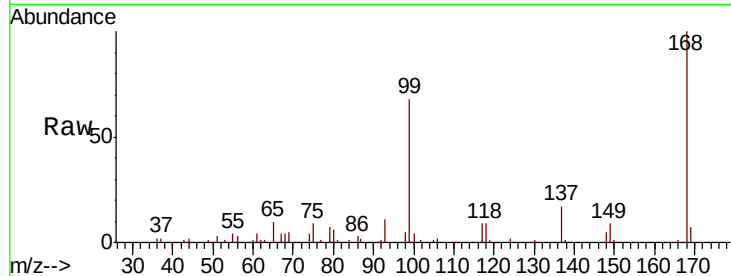
99 68.3 57.9 86.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

30000

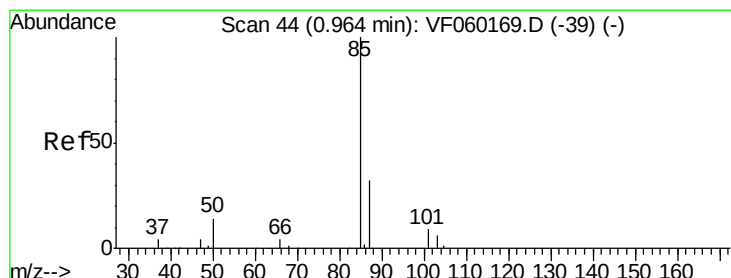
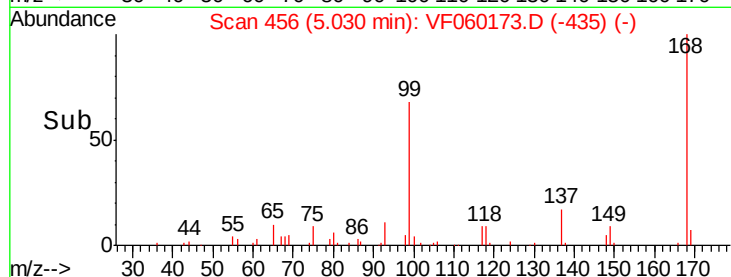
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.93 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060173.D

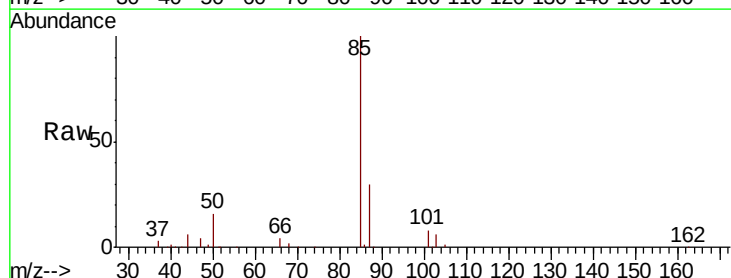
Acq: 29 Aug 2018 3:43

Tgt Ion: 85 Resp: 84851

Ion Ratio Lower Upper

85 100

87 30.3 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

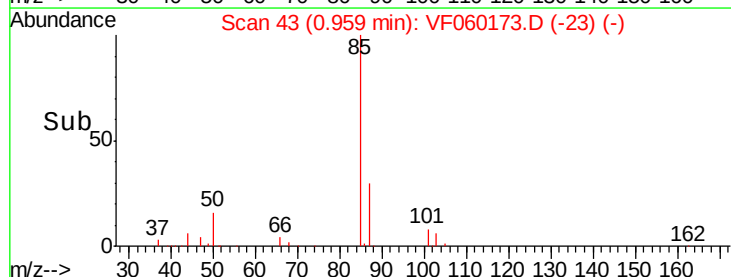
20000

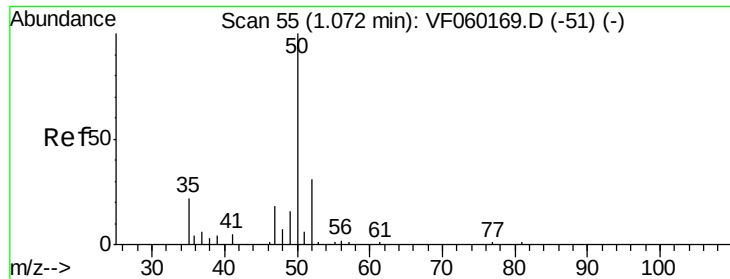
10000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 53.92 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion: 50 Resp: 34854

Ion Ratio Lower Upper

50 100

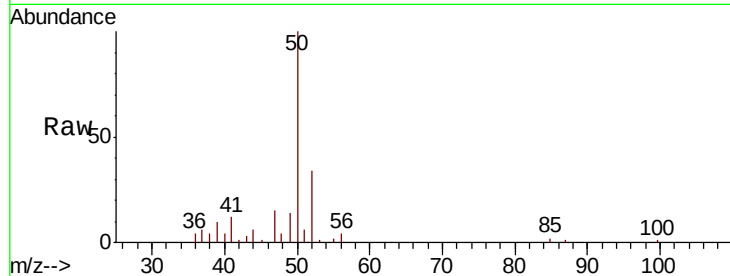
52 34.4 24.4 36.6

Manual Integrations

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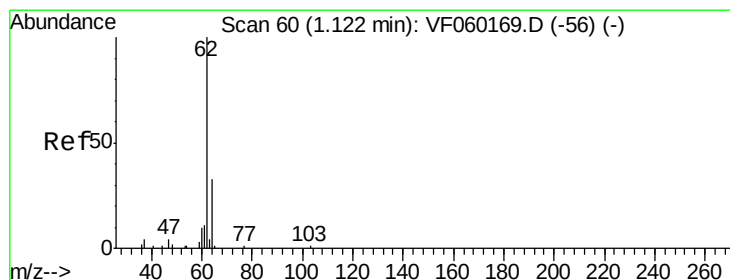
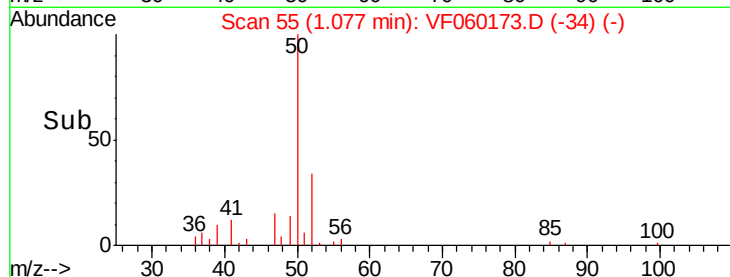
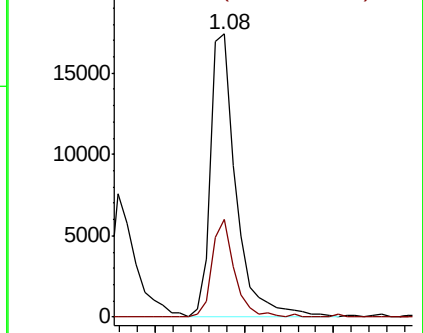
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 55.53 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060173.D

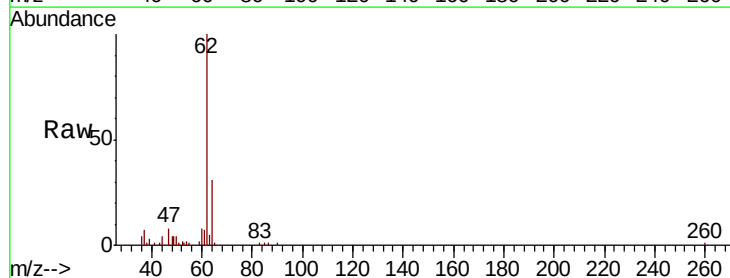
Acq: 29 Aug 2018 3:43

Tgt Ion: 62 Resp: 35968

Ion Ratio Lower Upper

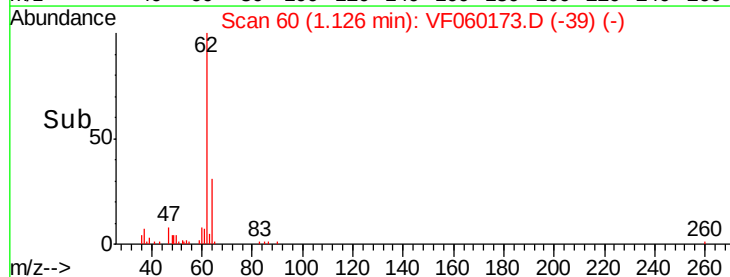
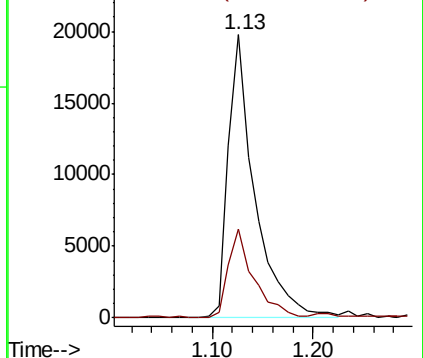
62 100

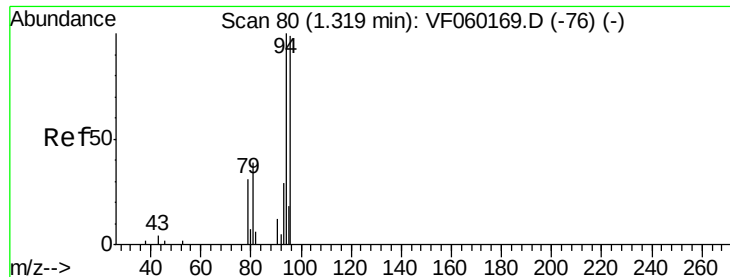
64 31.5 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 48.95 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

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Acq: 29 Aug 2018 3:43

Instrument :

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Tot Ion: 94 Resp: 15847

Ion Ratio Lower Upper

94 100

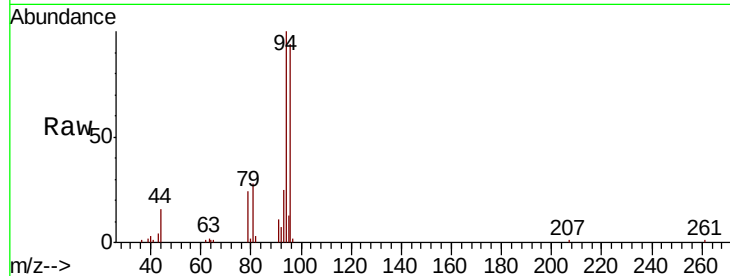
96 94.5 79.0 118.4

Manual Integrations

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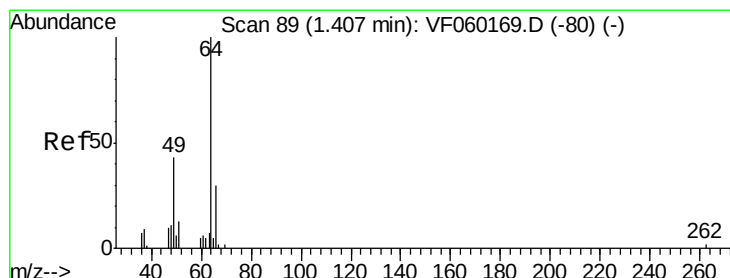
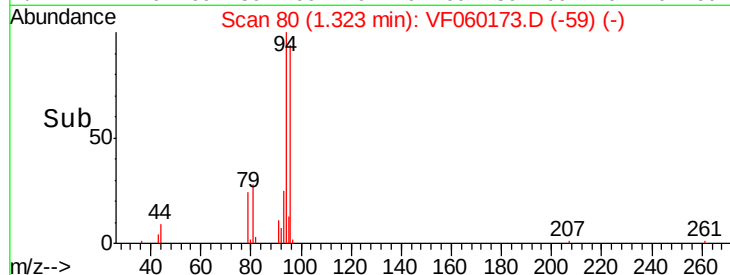
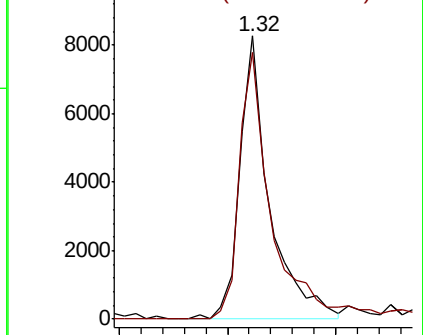
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 52.94 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF060173.D

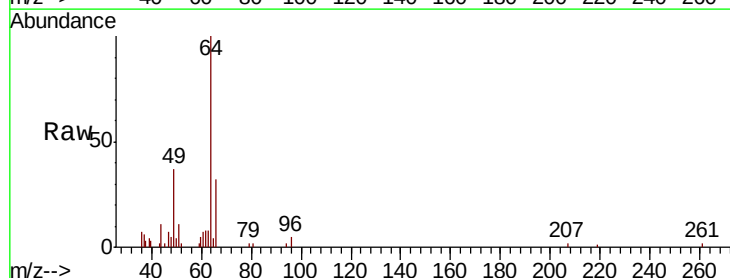
Acq: 29 Aug 2018 3:43

Tgt Ion: 64 Resp: 20502

Ion Ratio Lower Upper

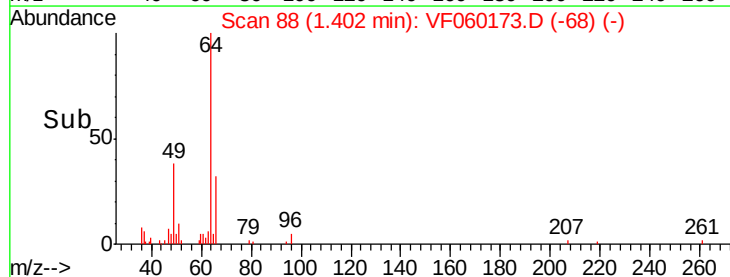
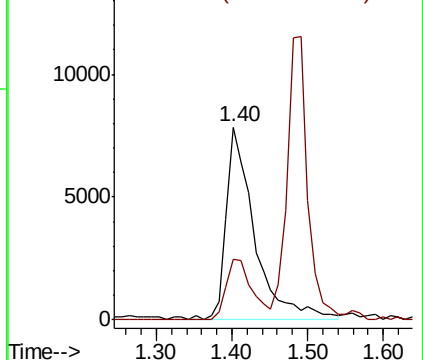
64 100

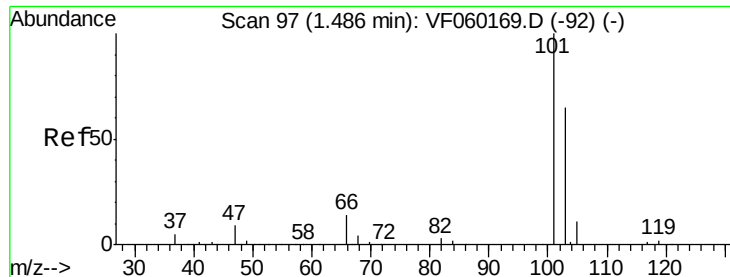
66 31.8 24.2 36.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 50.53 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

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Acq: 29 Aug 2018 3:43

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ClientSampleId :

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Tot Ion:101 Resp: 149789

Ion Ratio Lower Upper

101 100

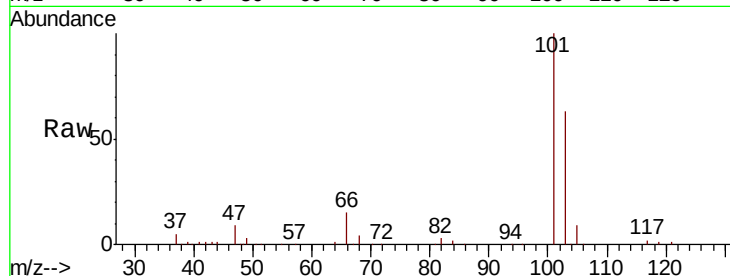
103 63.1 51.8 77.6

Manual Integrations

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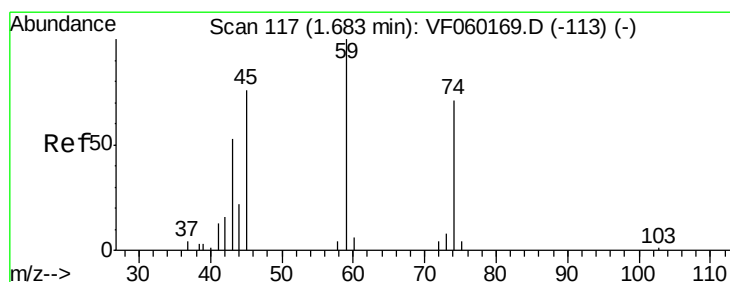
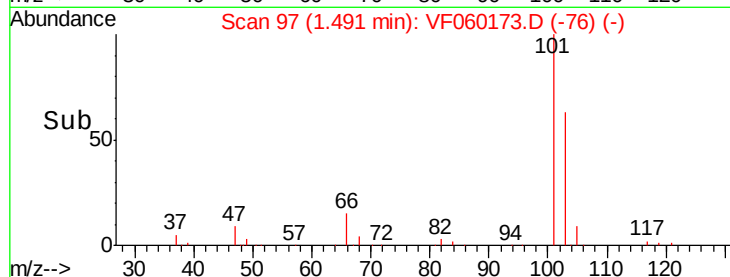
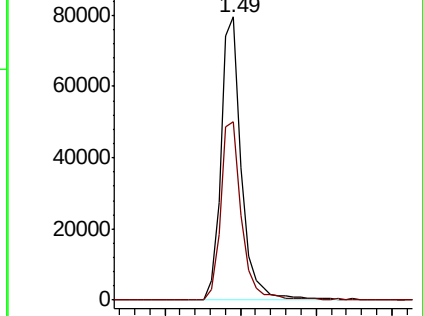
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.67 ug/l

RT: 1.69 min Scan# 117

Delta R.T. 0.00 min

Lab File: VF060173.D

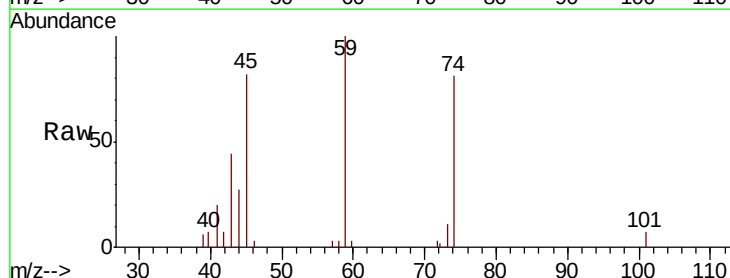
Acq: 29 Aug 2018 3:43

Tgt Ion: 74 Resp: 5722

Ion Ratio Lower Upper

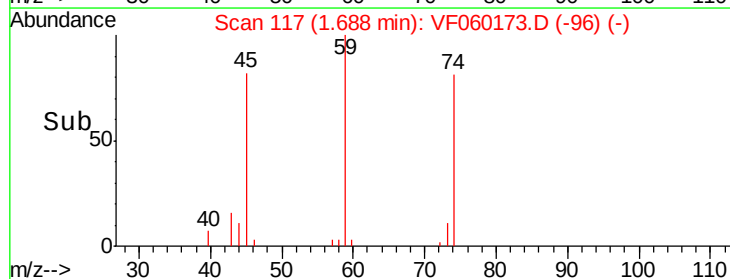
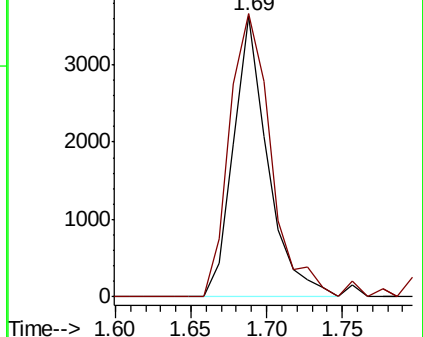
74 100

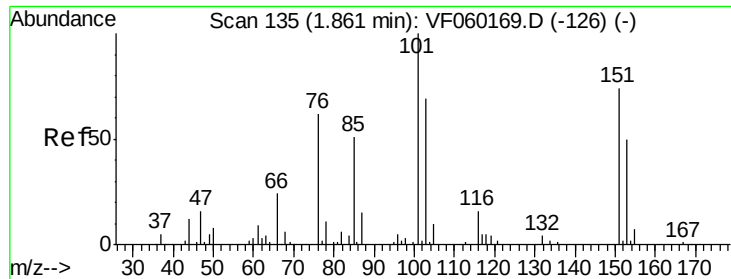
45 100.7 53.5 160.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.61 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060173.D

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Instrument :

MSVOA_F

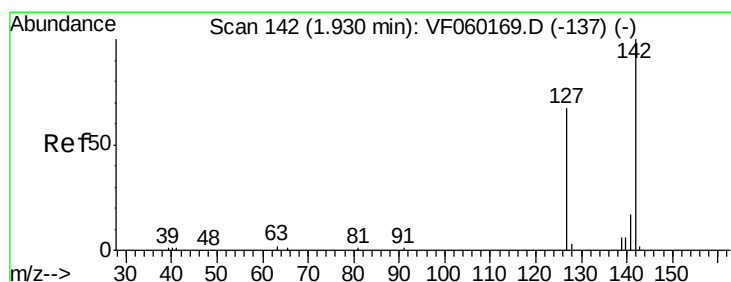
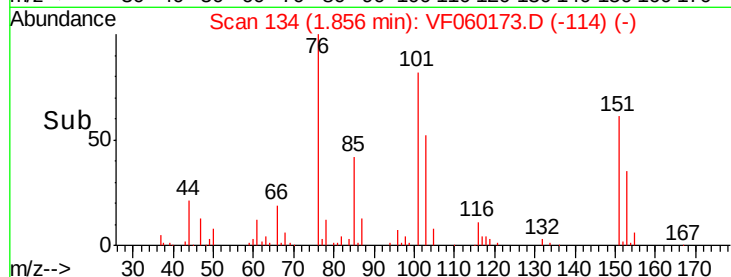
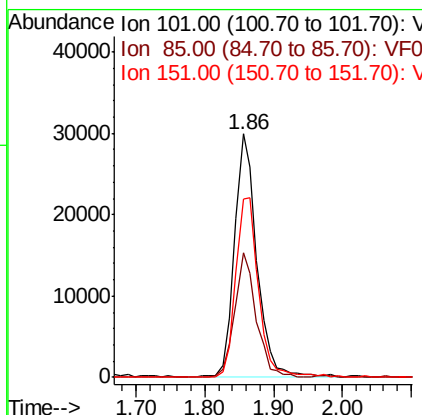
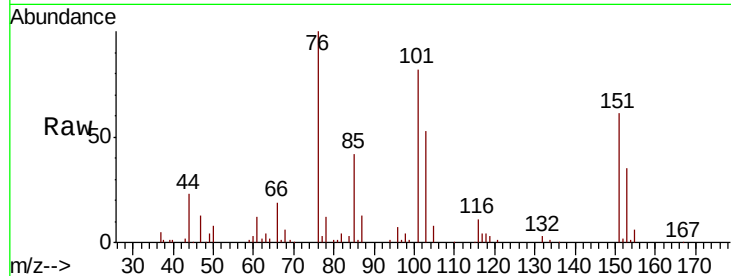
ClientSampleId :

ICVVF082918

Tot Ion:	101	Resp:	67311
Ion Ratio	Lower	Upper	
101	100		
85	51.3	42.2	63.2
151	73.5	59.2	88.8

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#10

Methyl Iodide

Concen: 50.85 ug/l

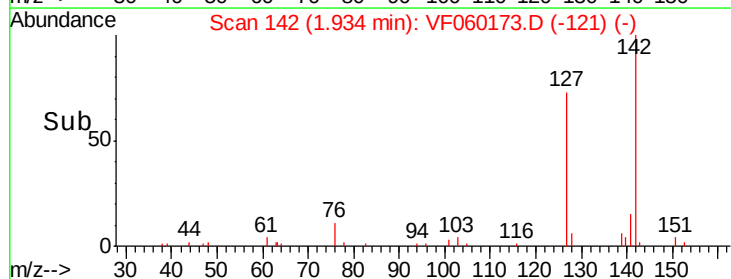
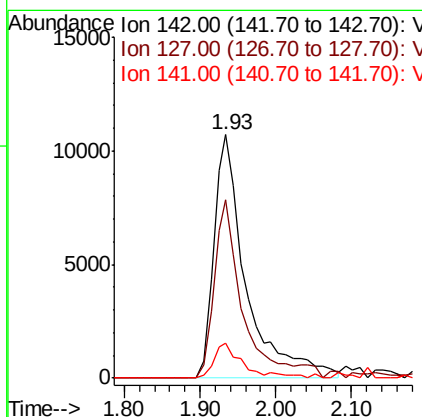
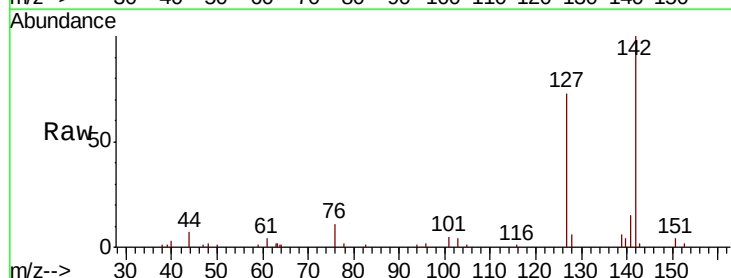
RT: 1.93 min Scan# 142

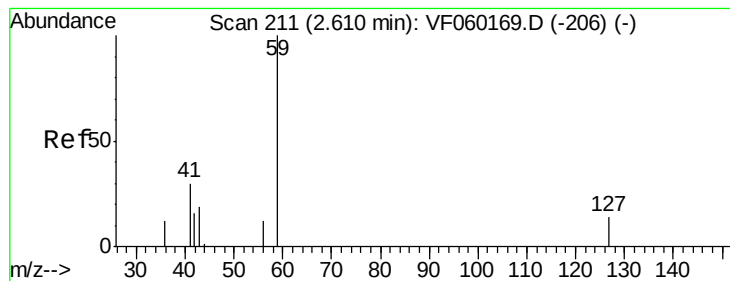
Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion:	142	Resp:	31785
Ion Ratio	Lower	Upper	
142	100		
127	73.4	53.9	80.9
141	14.6	13.4	20.2





#11

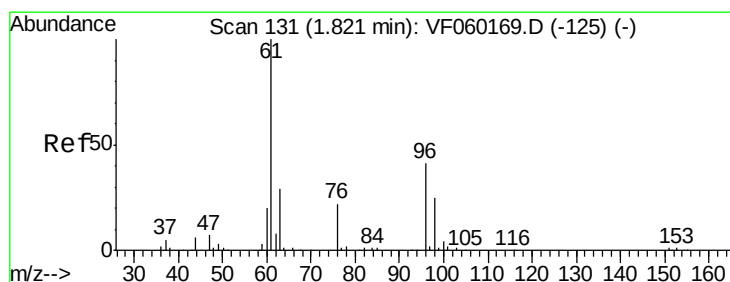
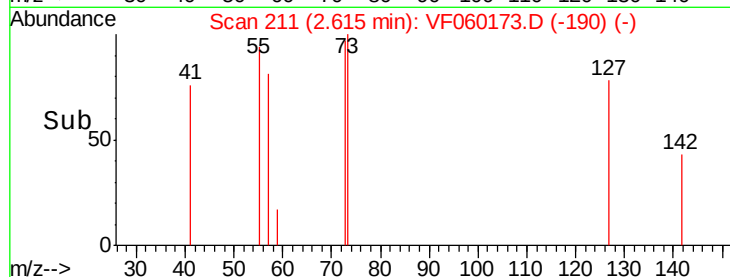
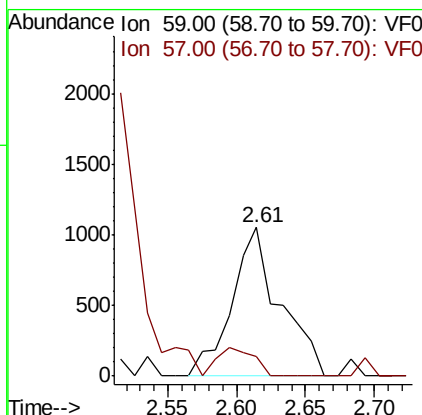
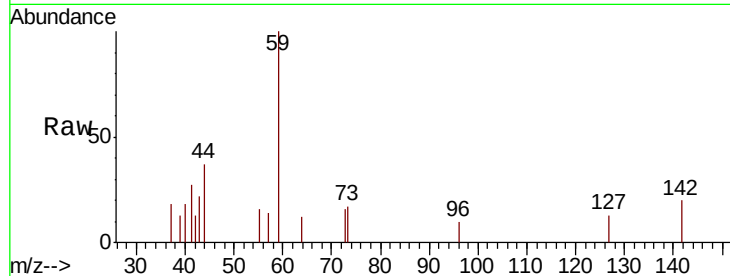
Tert butyl alcohol
Concen: 255.40 ug/l
RT: 2.61 min Scan# 211
Delta R.T. 0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	59	Resp	2559
Ion Ratio	100	Lower	Upper
57	13.7	11.9	17.9

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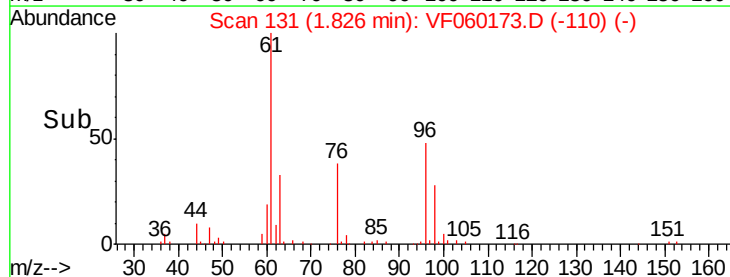
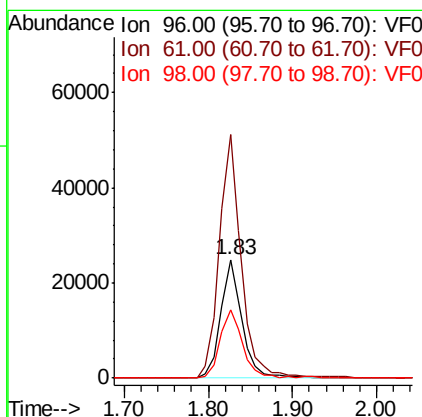
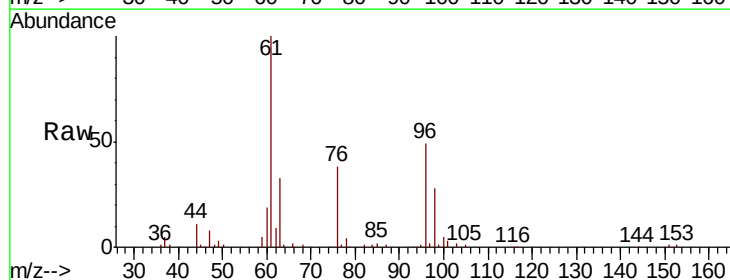
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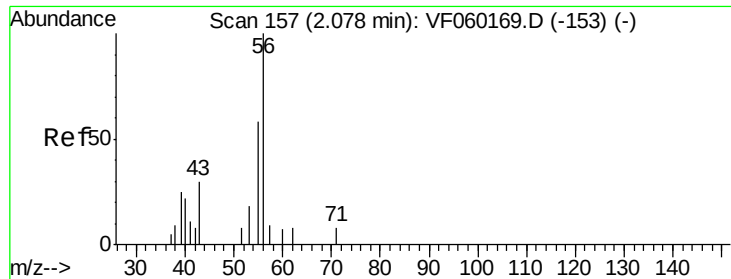


#12

1,1-Dichloroethene
Concen: 53.87 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	96	Resp	43796
Ion Ratio	100	Lower	Upper
61	205.8	195.2	292.8
98	57.4	49.0	73.6





#13

Acrolein

Concen: 245.90 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion: 56 Resp: 2736

Ion Ratio Lower Upper

56 100

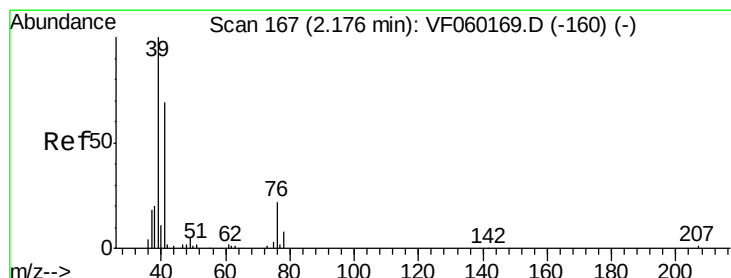
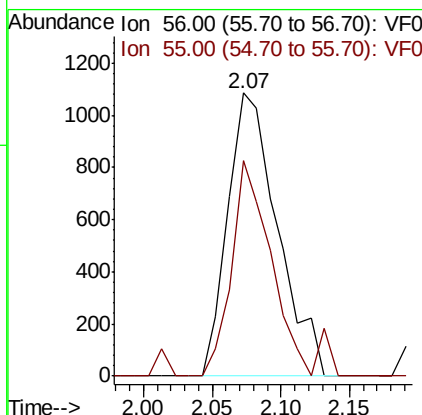
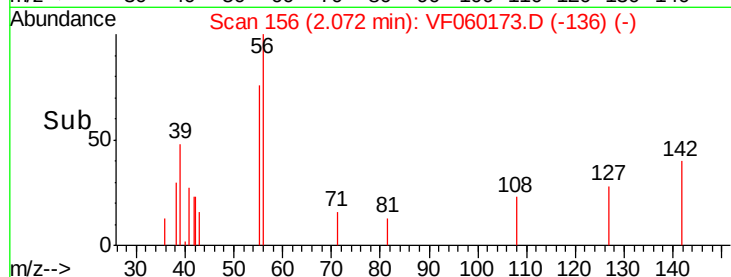
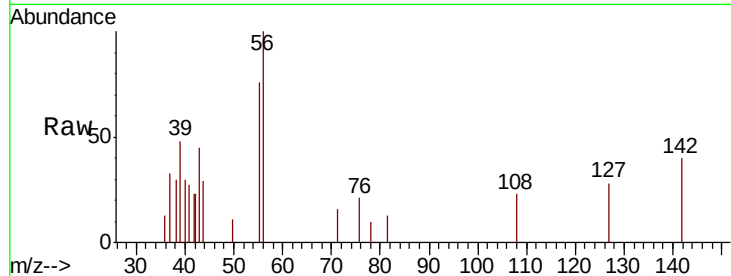
55 76.0 46.4 69.6#

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#14

Allyl chloride

Concen: 58.03 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

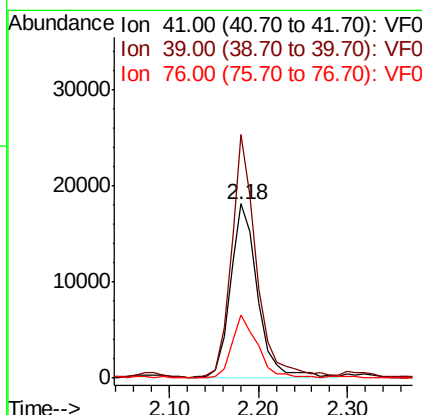
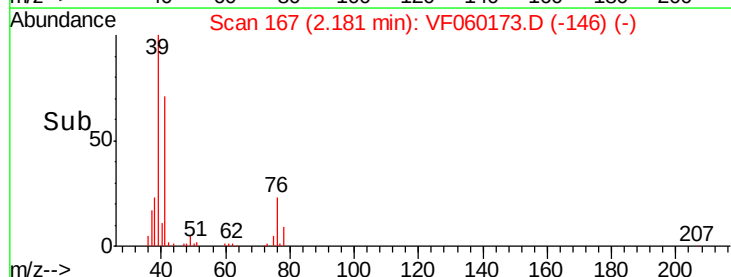
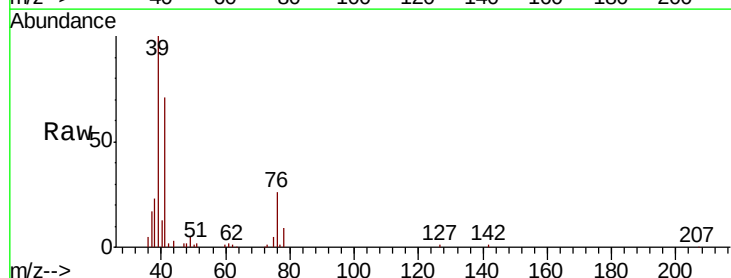
Tgt Ion: 41 Resp: 39188

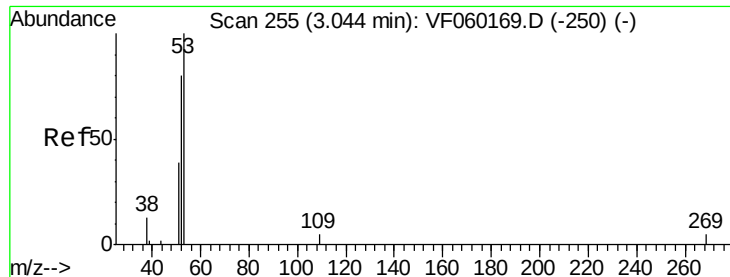
Ion Ratio Lower Upper

41 100

39 140.0 117.8 176.6

76 36.2 25.9 38.9





#15

Acrylonitrile

Concen: 251.73 ug/l

RT: 3.05 min Scan# 255

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

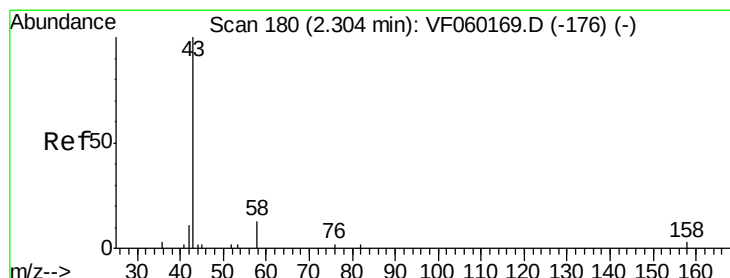
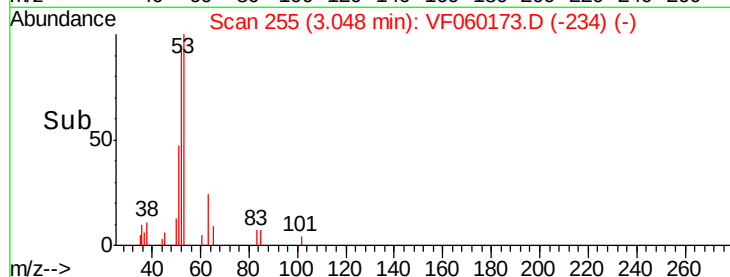
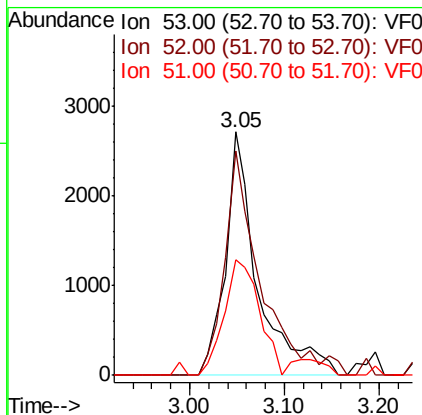
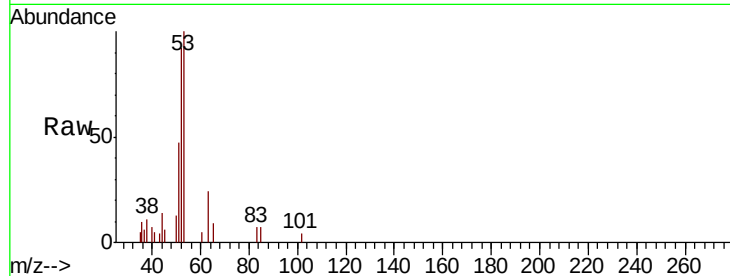
ClientSampleId :

ICVVF082918

Tot Ion:	53	Resp:	6440
Ion Ratio	Lower	Upper	
53	100		
52	92.4	64.4	96.6
51	47.5	31.0	46.4#

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#16

Acetone

Concen: 239.71 ug/l

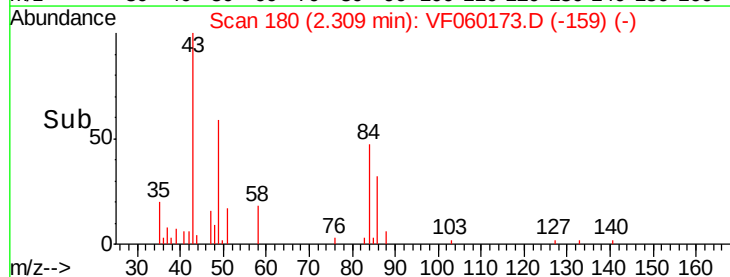
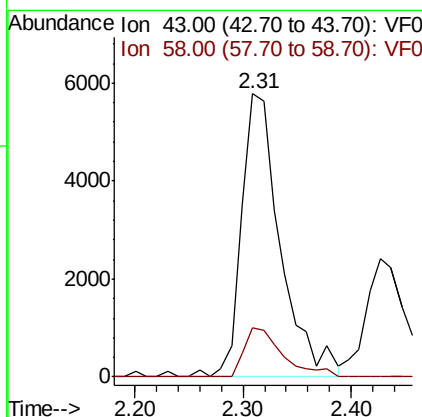
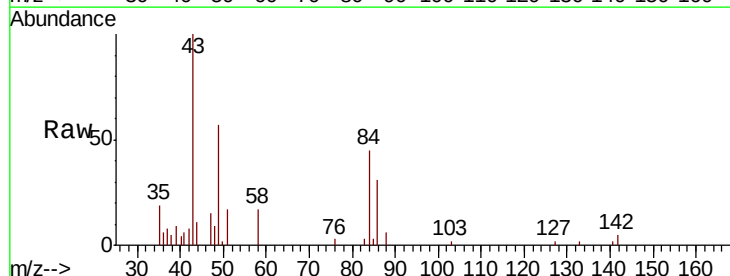
RT: 2.31 min Scan# 180

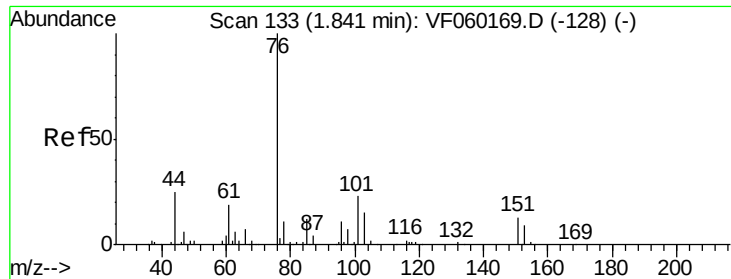
Delta R.T. 0.01 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion:	43	Resp:	14452
Ion Ratio	Lower	Upper	
43	100		
58	17.2	10.7	16.1#





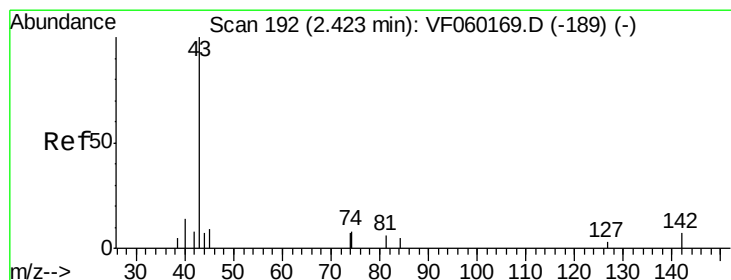
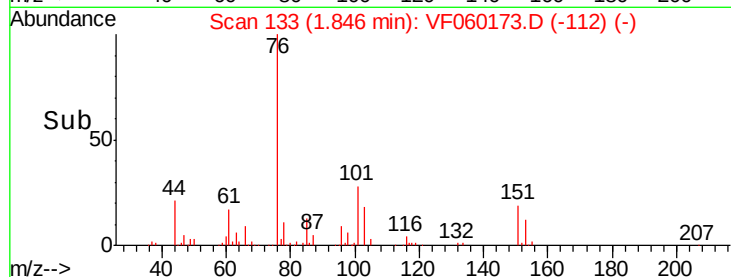
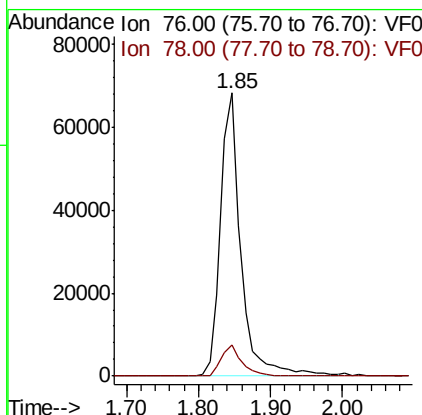
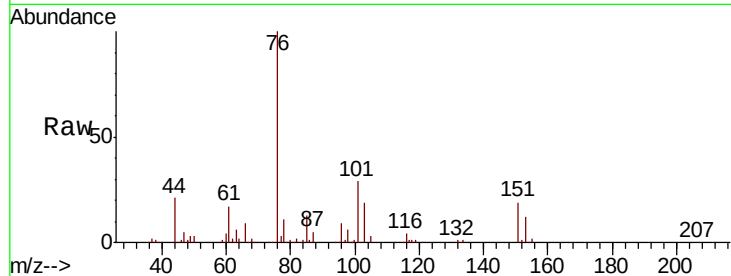
#17
Carbon Disulfide
Concen: 55.87 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.0	8.6	12.8

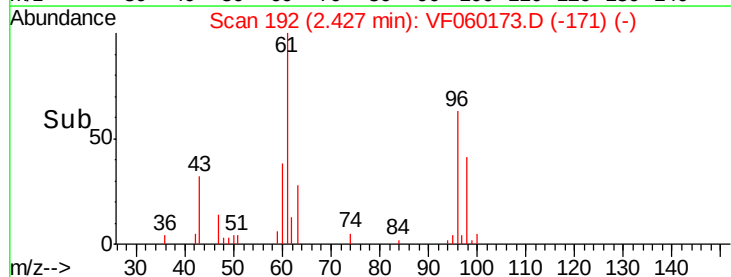
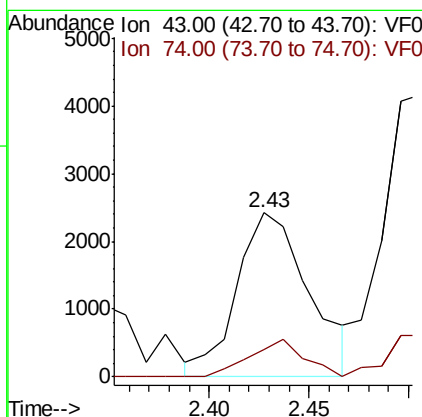
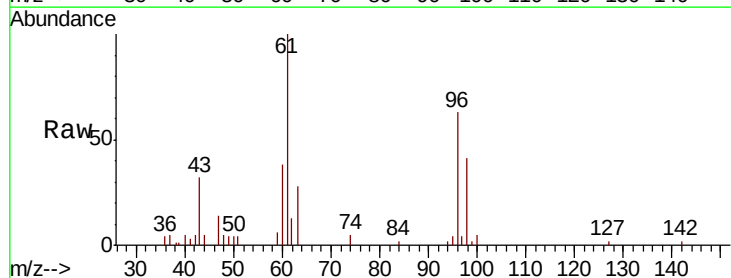
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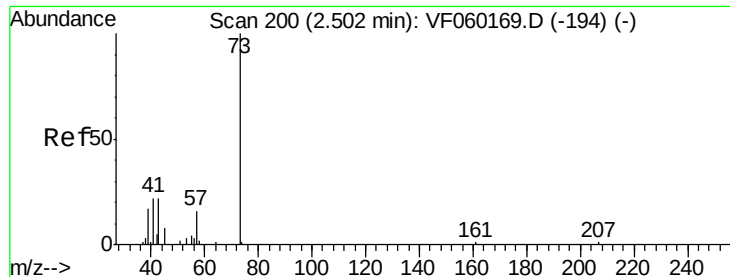
apatel
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#18
Methyl Acetate
Concen: 61.60 ug/l m
RT: 2.43 min Scan# 192
Delta R.T. 0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.7	10.6	16.0#





#19

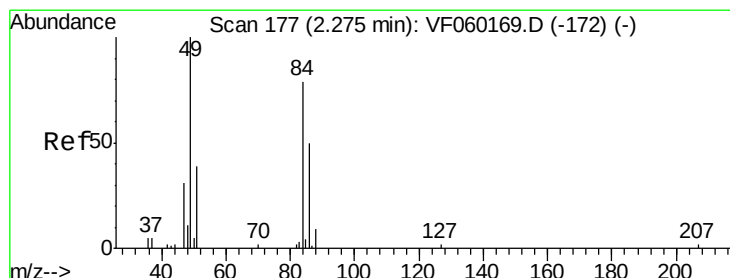
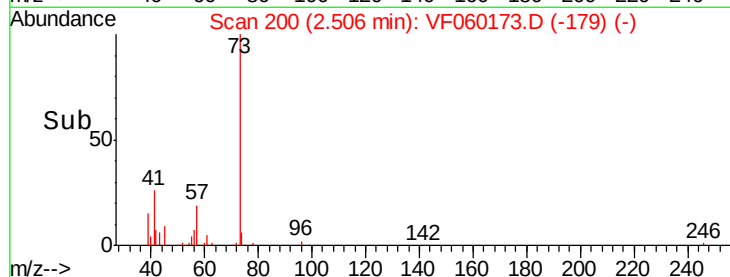
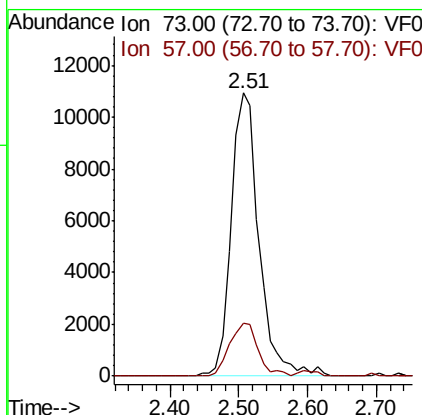
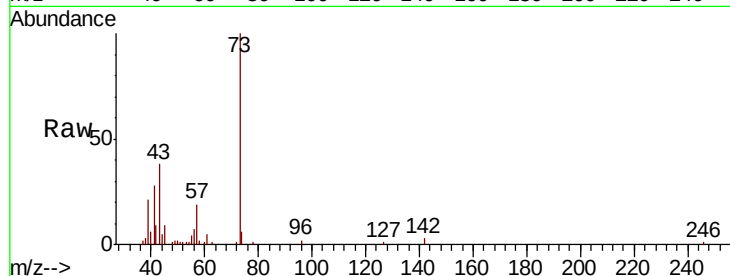
Methvl tert-butyl Ether
 Concen: 50.79 ug/l
 RT: 2.51 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082918

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	13.0	19.4

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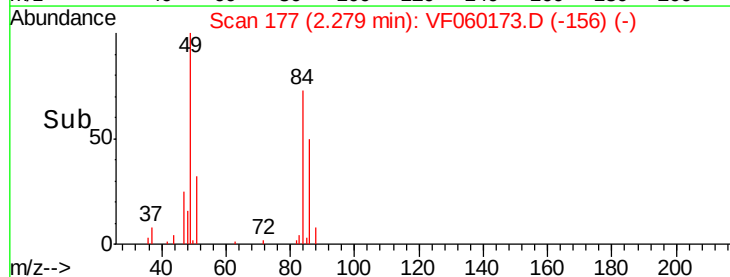
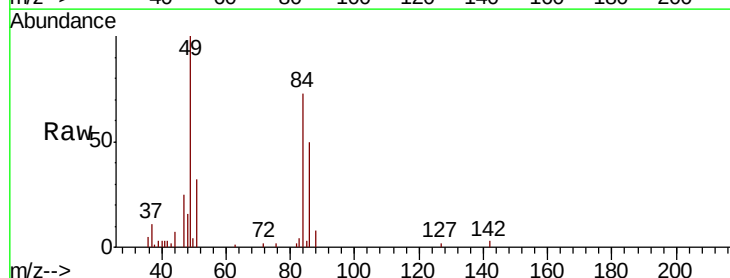
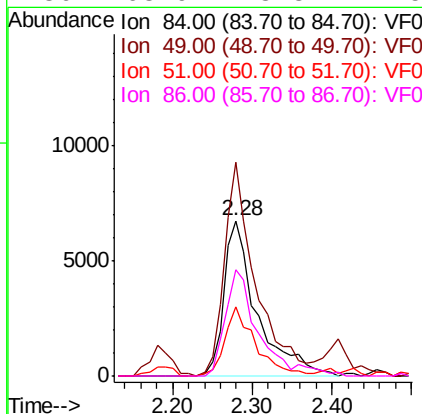
apatel
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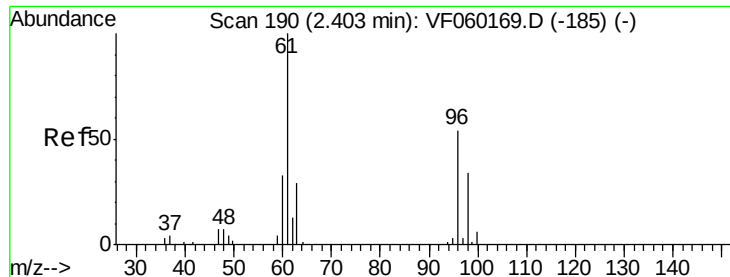


#20

Methylene Chloride
 Concen: 47.85 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.9	97.0	145.4
51	44.6	38.2	57.2
86	68.9	48.3	72.5





#21

trans-1,2-Dichloroethene

Concen: 51.10 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

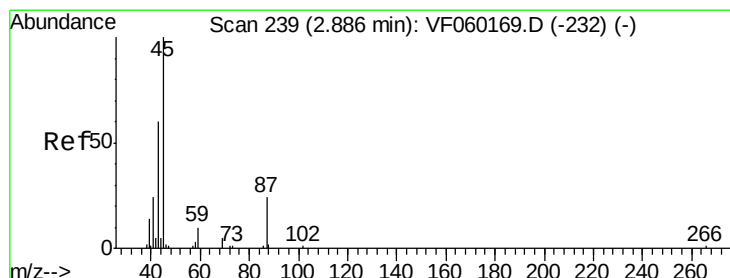
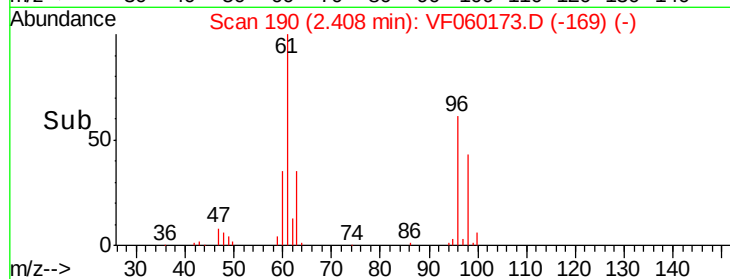
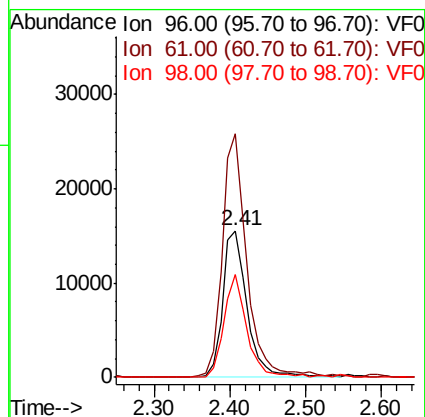
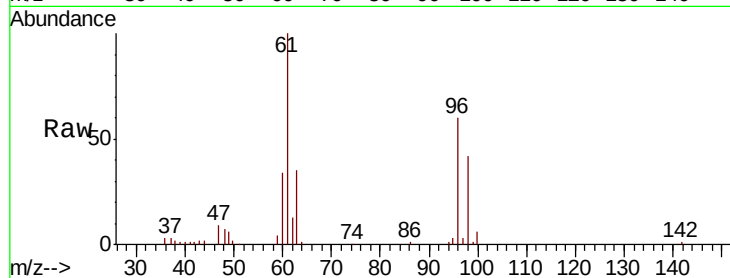
ClientSampleId :

ICVVF082918

Tot Ion:	96	Resp:	35075
Ion	Ratio	Lower	Upper
96	100		
61	165.9	148.6	222.8
98	70.4	50.4	75.6

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#22

Diisopropyl ether

Concen: 54.57 ug/l

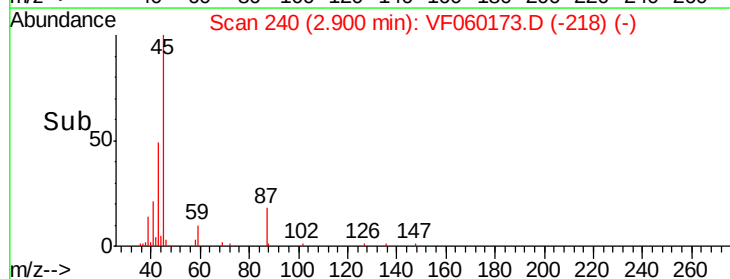
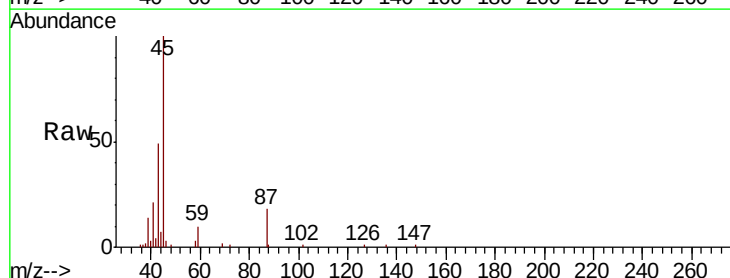
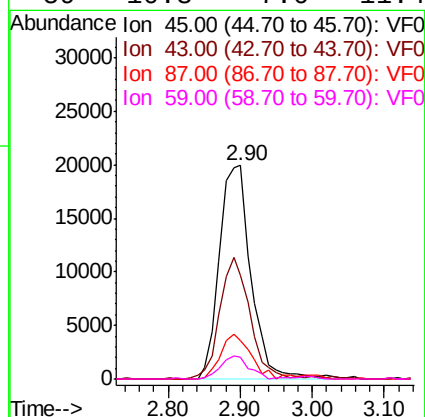
RT: 2.90 min Scan# 240

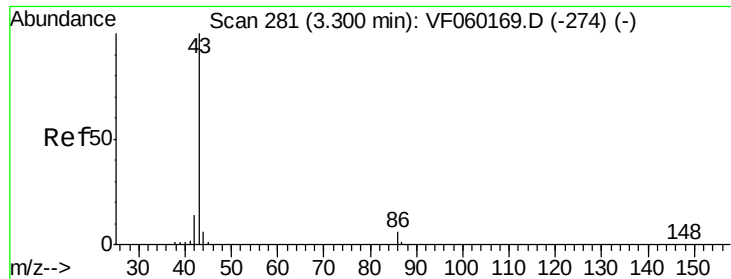
Delta R.T. 0.01 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion:	45	Resp:	60648
Ion	Ratio	Lower	Upper
45	100		
43	48.6	48.0	72.0
87	17.8	18.9	28.3#
59	10.3	7.6	11.4





#23

Vinyl Acetate

Concen: 234.70 ug/l

RT: 3.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion: 43 Resp: 76766

Ion Ratio Lower Upper

43 100

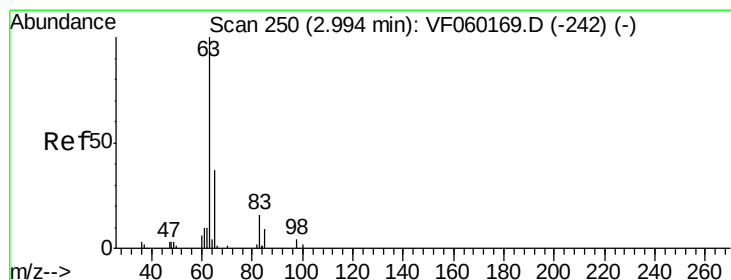
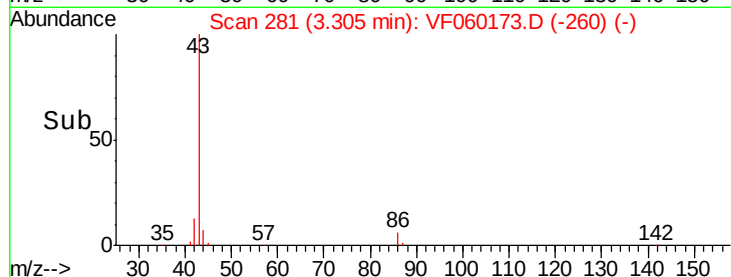
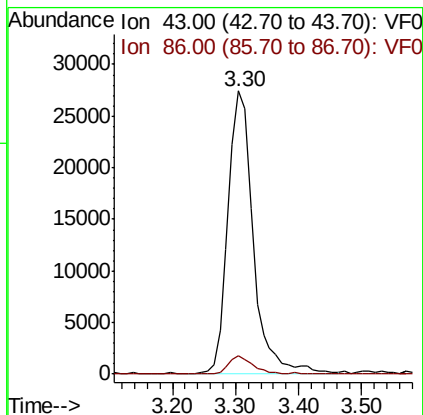
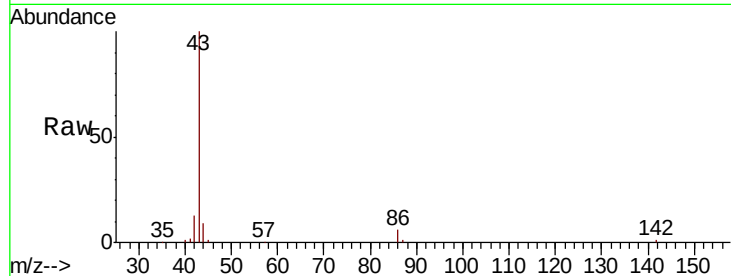
86 6.3 4.9 7.3

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#24

1,1-Dichloroethane

Concen: 51.05 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

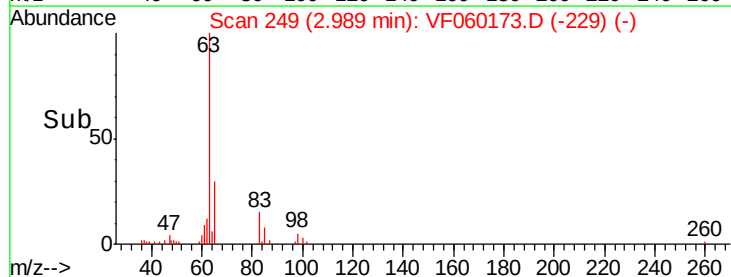
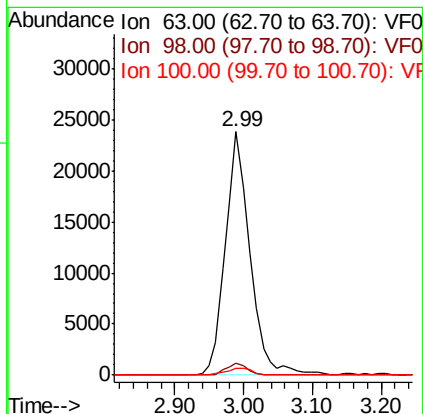
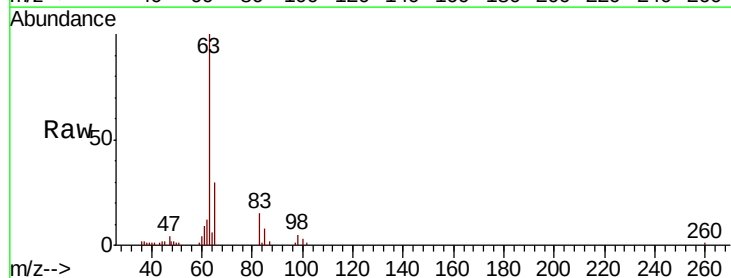
Tgt Ion: 63 Resp: 59053

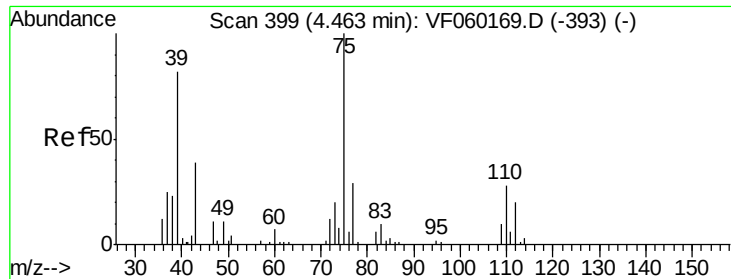
Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.3

100 2.7 0.9 2.7#





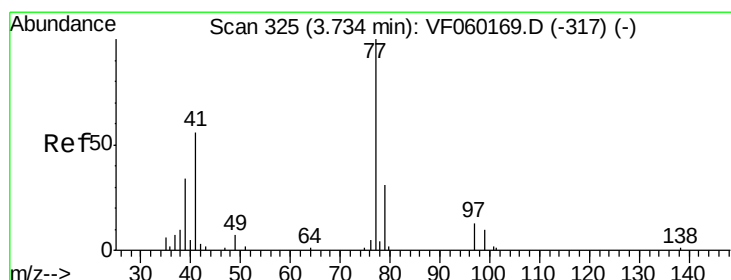
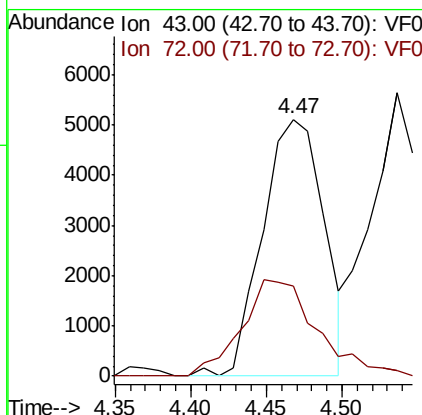
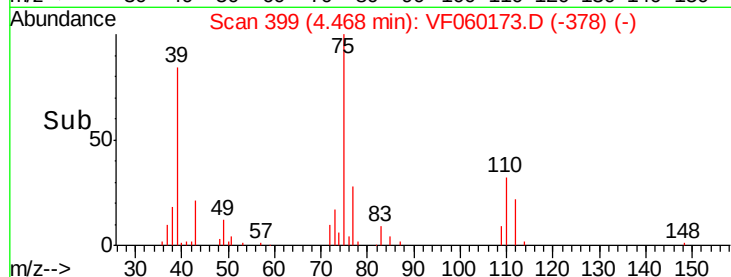
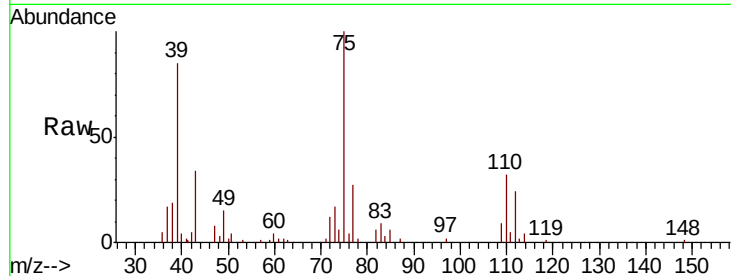
#25
2-Butanone
Concen: 233.92 ug/l
RT: 4.47 min Scan# 399
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion: 43 Resp: 14502
Ion Ratio Lower Upper
43 100
72 35.1 24.2 36.2

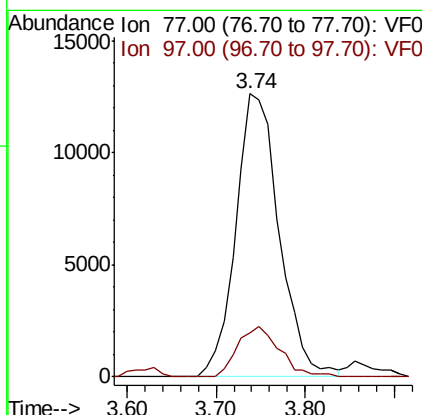
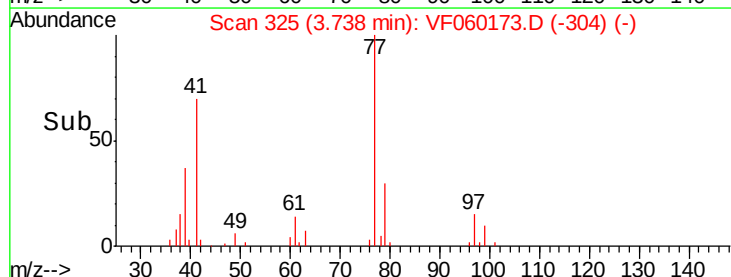
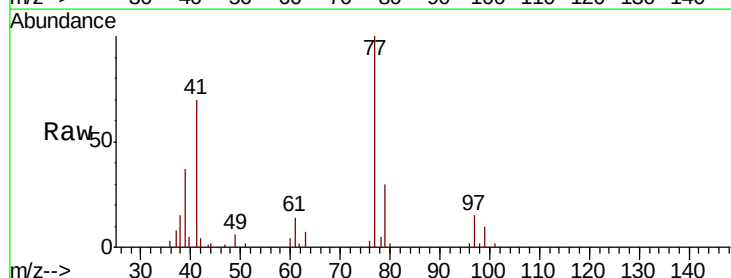
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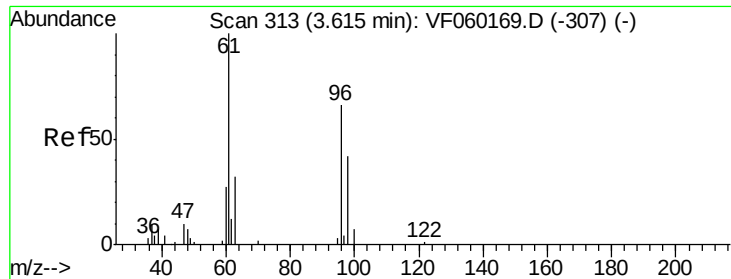
apatel
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#26
2,2-Dichloropropane
Concen: 46.56 ug/l
RT: 3.74 min Scan# 325
Delta R.T. 0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion: 77 Resp: 42763
Ion Ratio Lower Upper
77 100
97 15.5 7.0 21.0





#27

cis-1,2-Dichloroethene

Concen: 51.30 ug/l

RT: 3.62 min Scan# 313

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

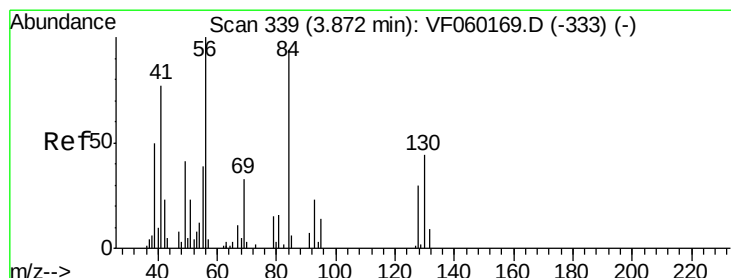
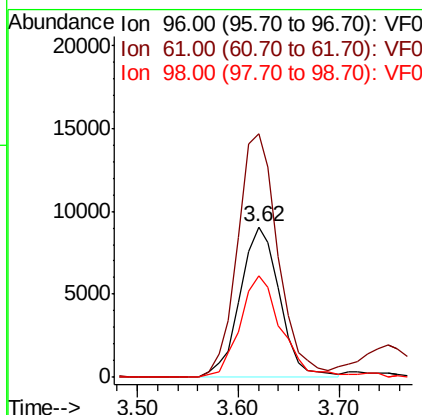
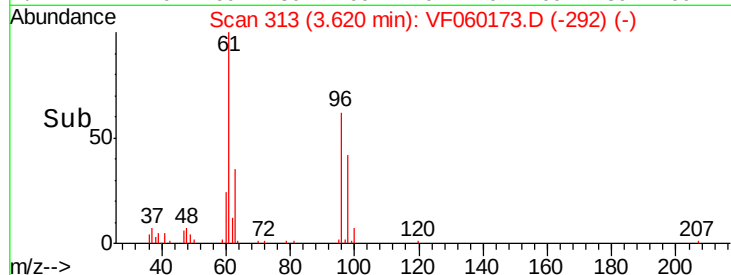
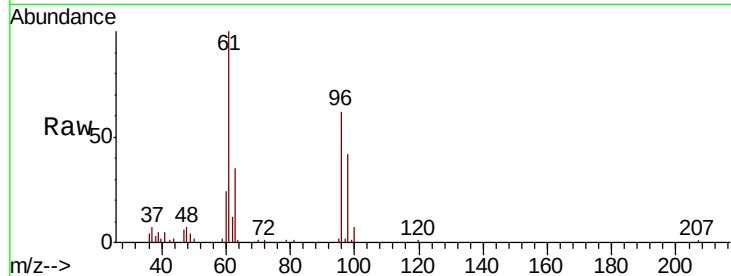
ClientSampleId :

ICVVF082918

Tot Ion:	96	Resp:	24772
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	303.0
98	67.3	0.0	126.8

Manual Integrations
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#28

Bromochloromethane

Concen: 51.51 ug/l

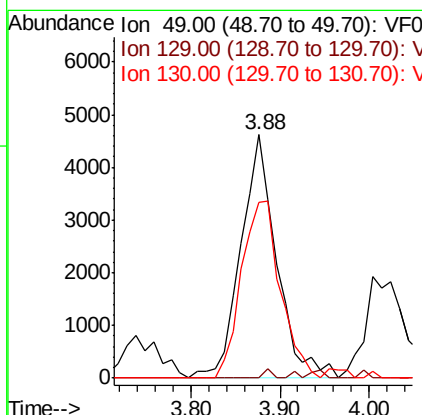
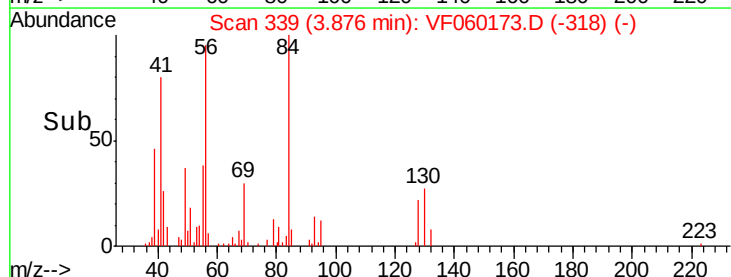
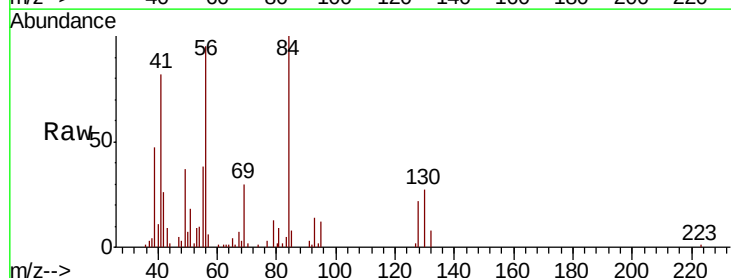
RT: 3.88 min Scan# 339

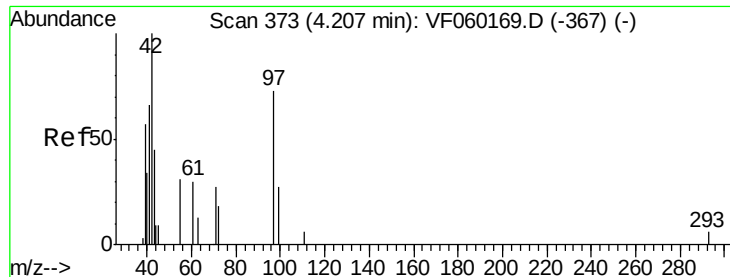
Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion:	49	Resp:	12828
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.6
130	72.5	86.0	129.0#





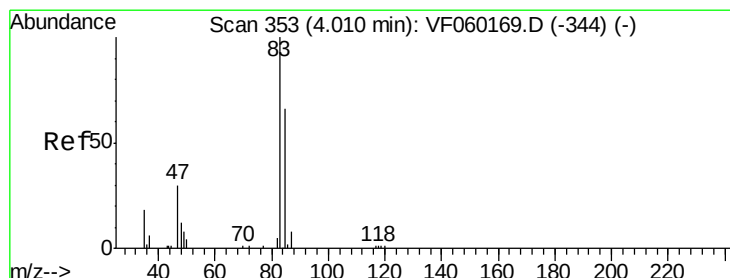
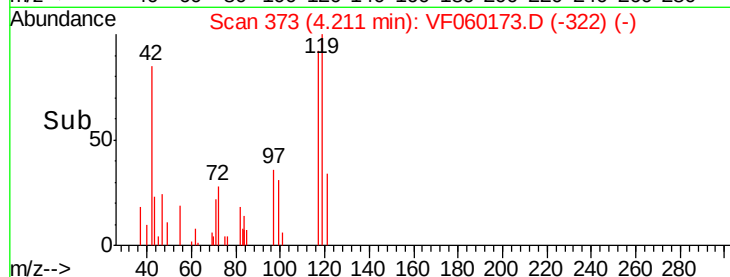
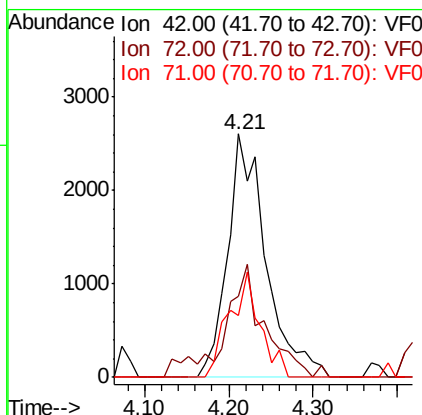
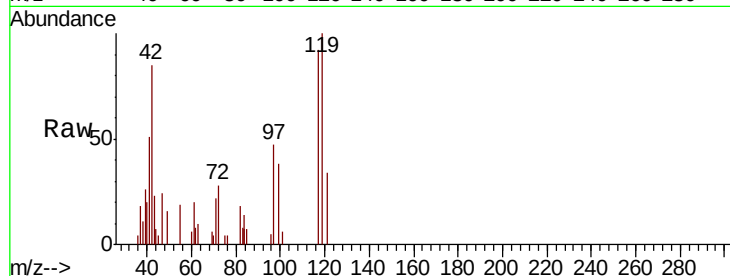
#29
Tetrahydrofuran
Concen: 258.59 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	27.0	40.4#
71	34.9	24.6	36.8

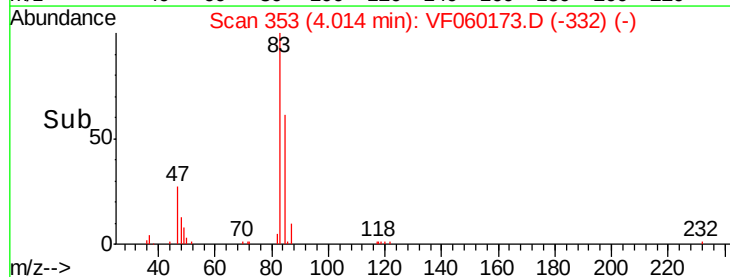
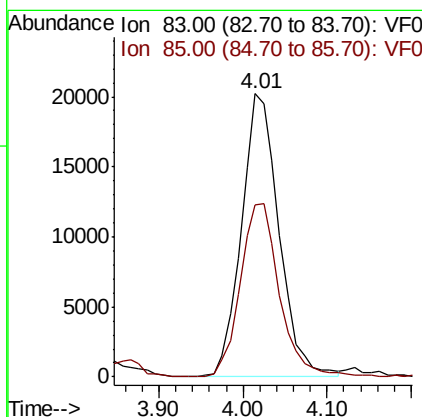
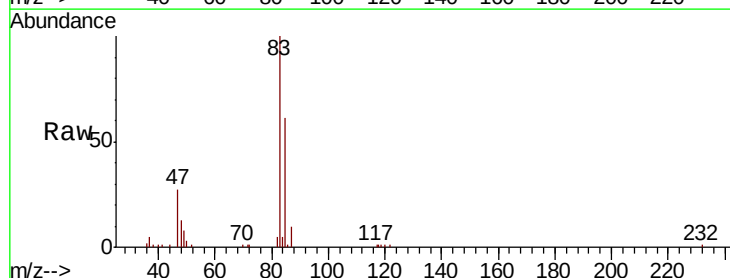
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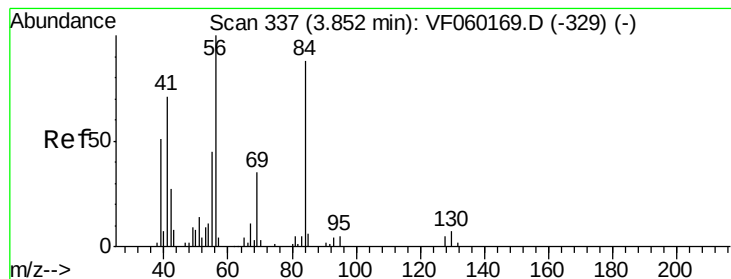
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#30
Chloroform
Concen: 48.60 ug/l
RT: 4.01 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.8	79.2





#31

Cyclohexane

Concen: 61.21 ug/l

RT: 3.86 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

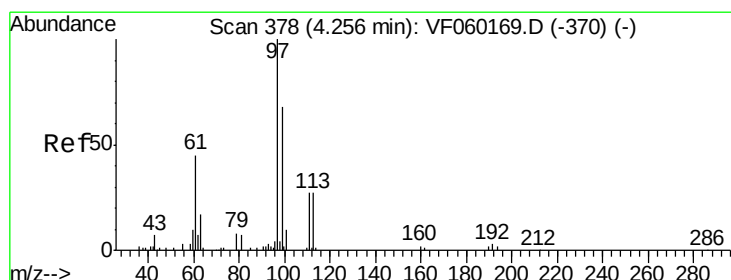
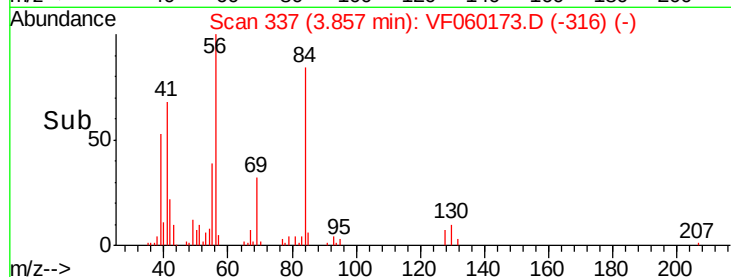
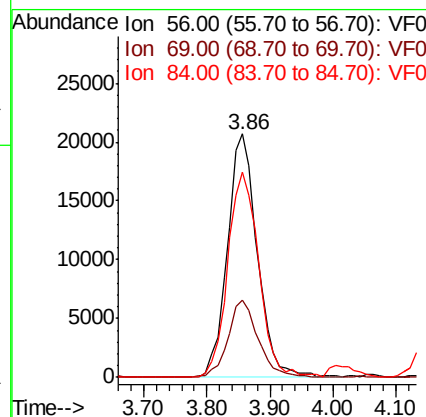
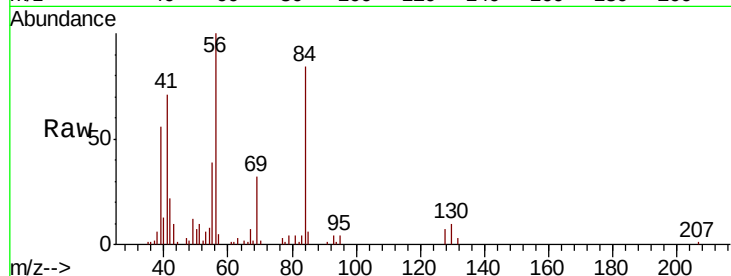
ClientSampleId :

ICVVF082918

Tot Ion:	56	Resp:	67854
Ion	Ratio	Lower	Upper
56	100		
69	31.5	27.7	41.5
84	84.3	70.2	105.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.67 ug/l

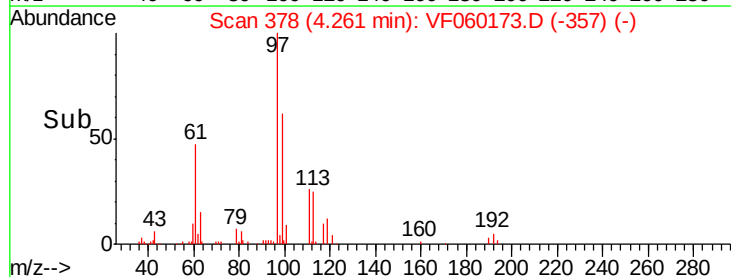
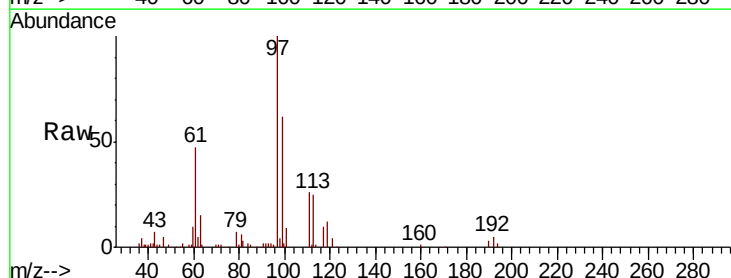
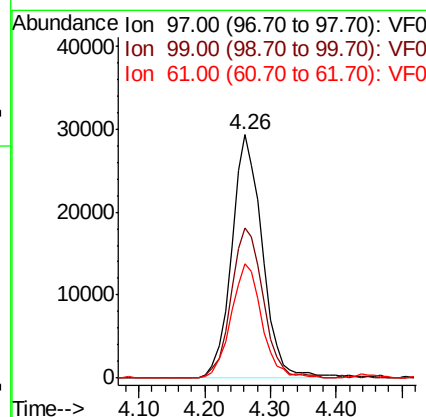
RT: 4.26 min Scan# 378

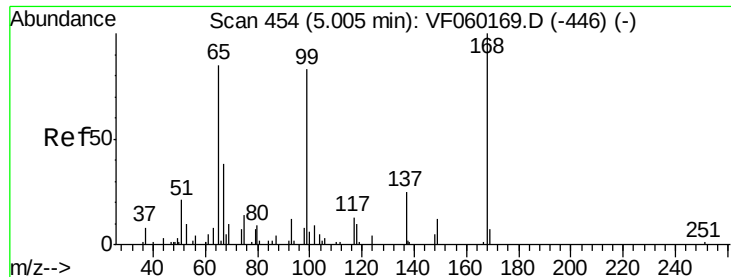
Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion:	97	Resp:	95822
Ion	Ratio	Lower	Upper
97	100		
99	61.8	54.4	81.6
61	46.7	36.2	54.4





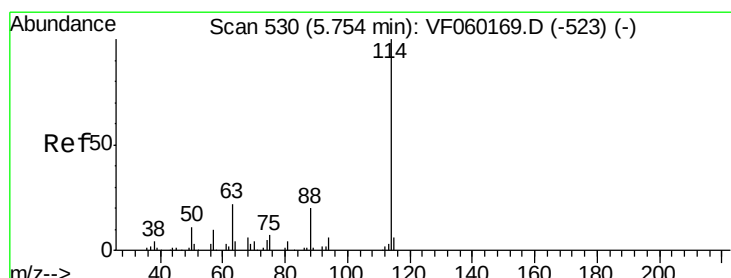
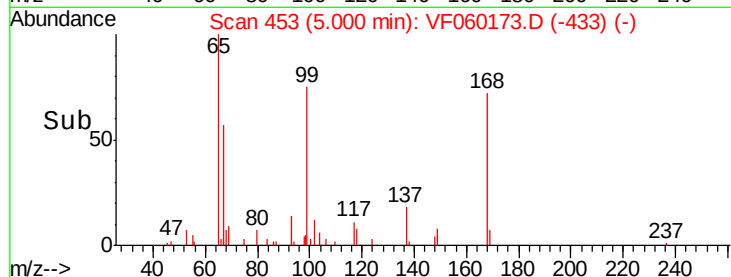
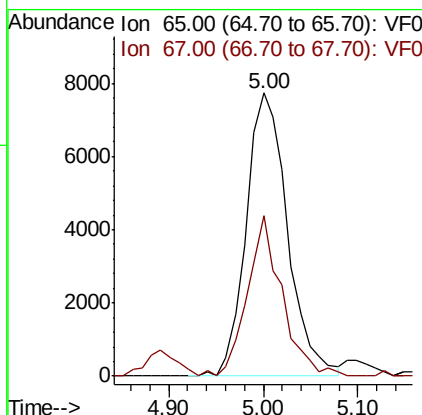
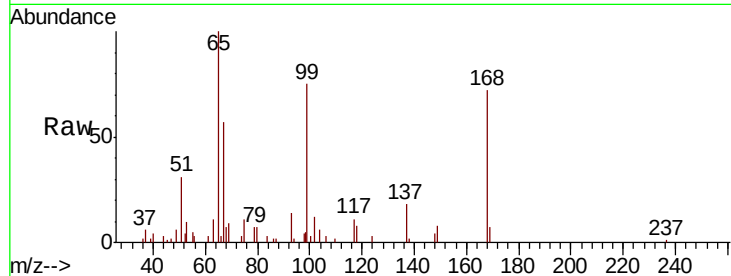
#33
 1,2-Dichloroethane-d4
 Concen: 44.47 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV082918

Tot Ion	Ratio	Resp Lower	Upper
65	100		
67	56.8	0.0	92.6

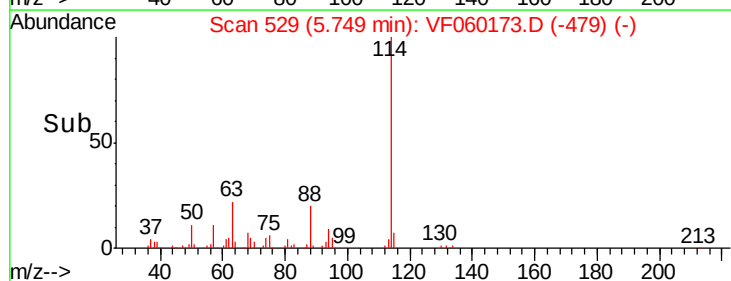
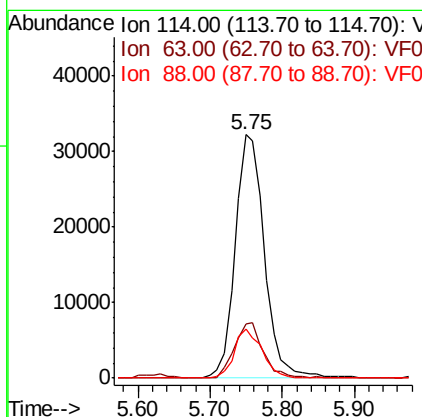
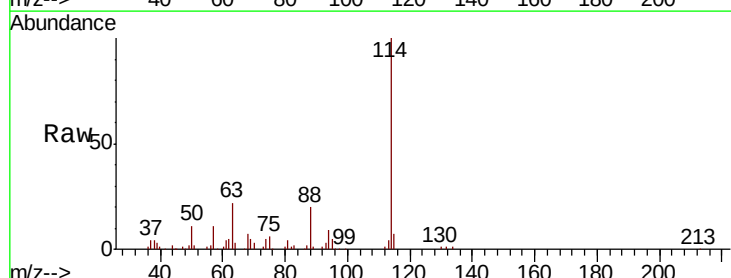
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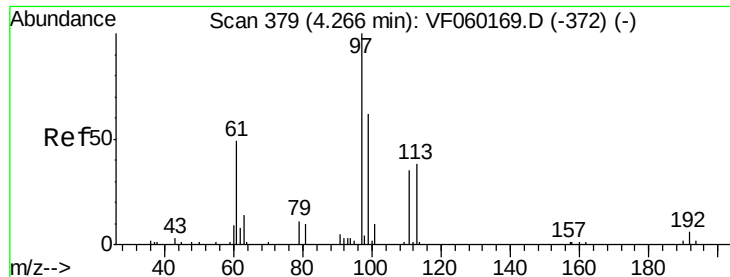
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Resp Lower	Upper
114	100		
63	22.3	0.0	45.8
88	20.3	0.0	40.2





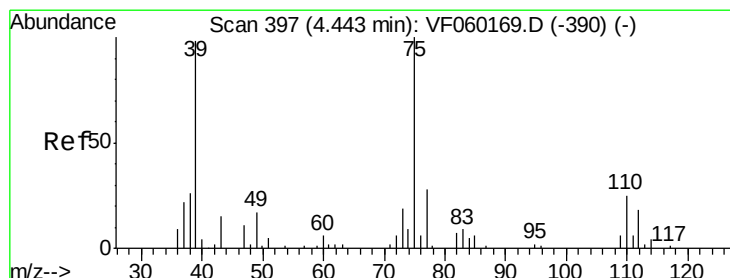
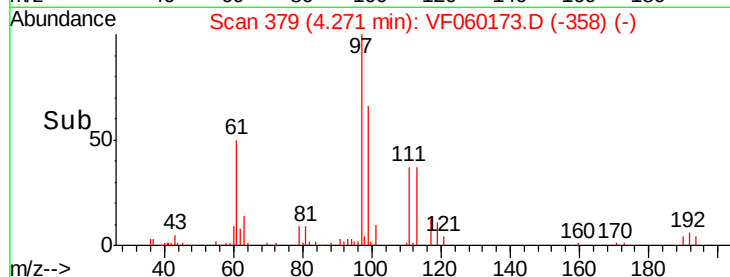
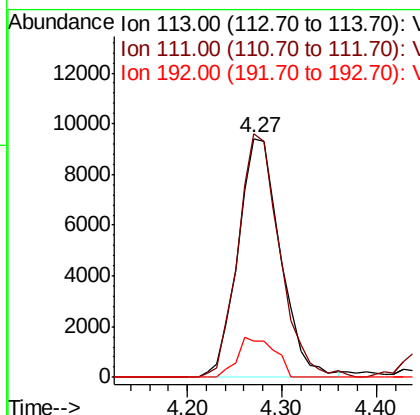
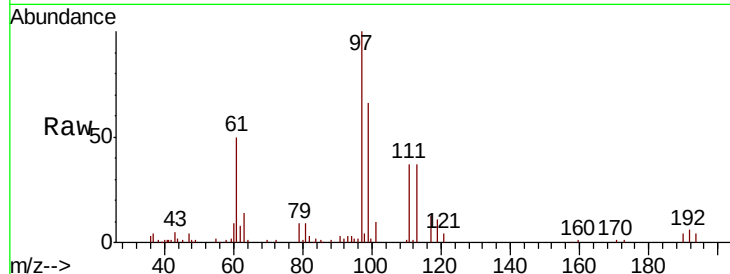
#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV082918

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	75.5	113.3
192	15.0	12.5	18.7

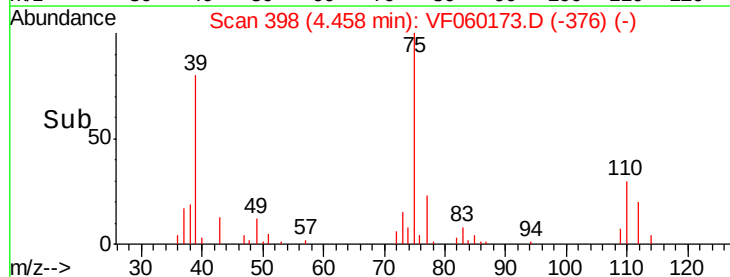
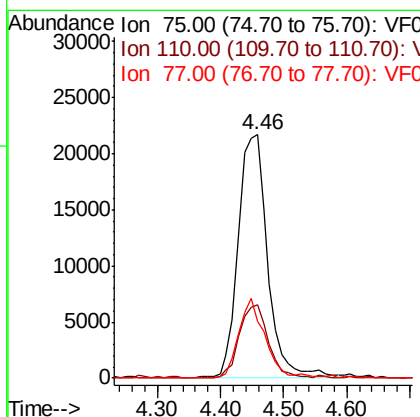
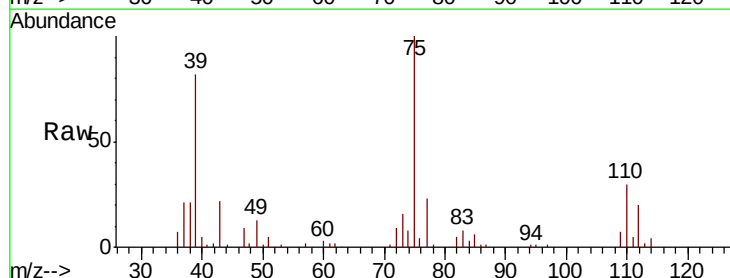
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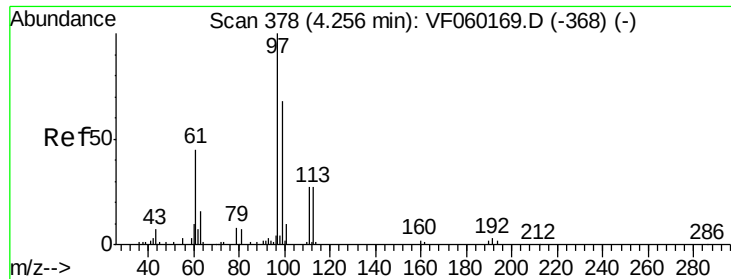
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#36
 1,1-Dichloropropene
 Concen: 55.85 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. 0.01 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.1	12.6	37.6
77	23.4	22.2	33.4





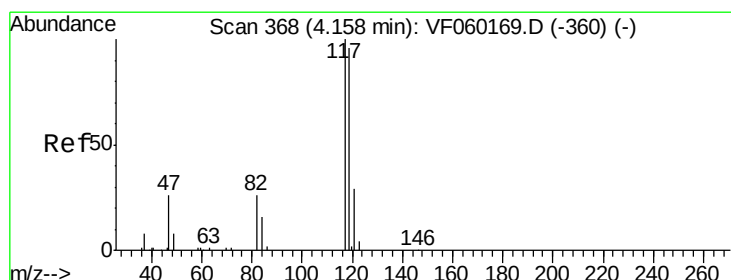
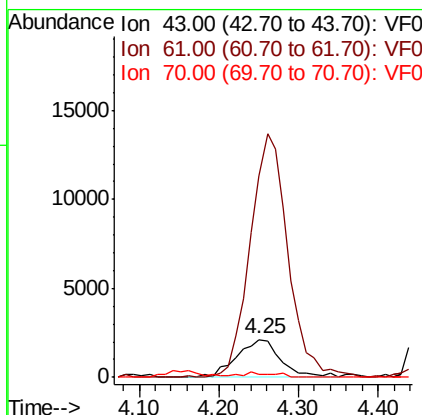
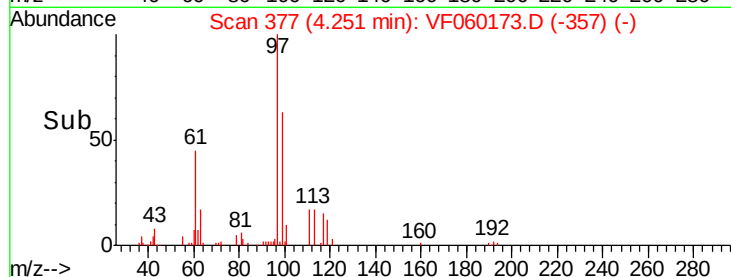
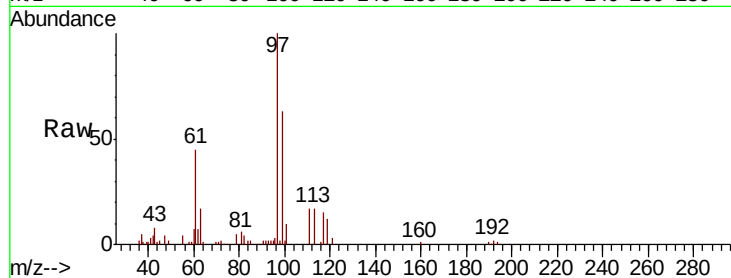
#37
Ethyl Acetate
Concen: 48.18 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Lower	Upper
43	100		
61	535.5	517.6	776.4
70	9.5	15.4	23.2#

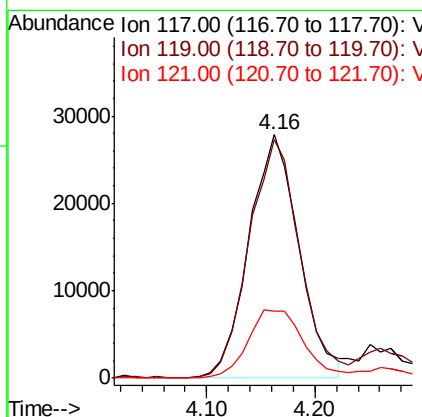
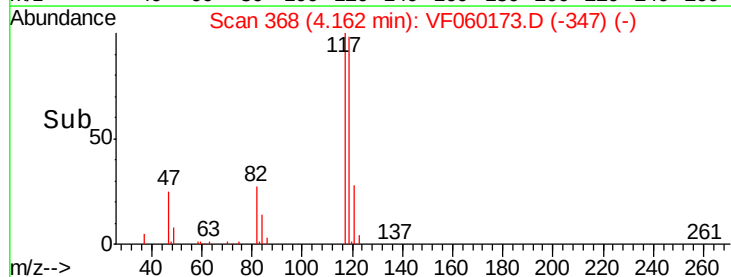
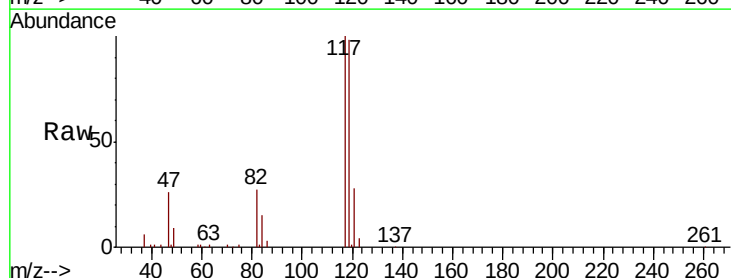
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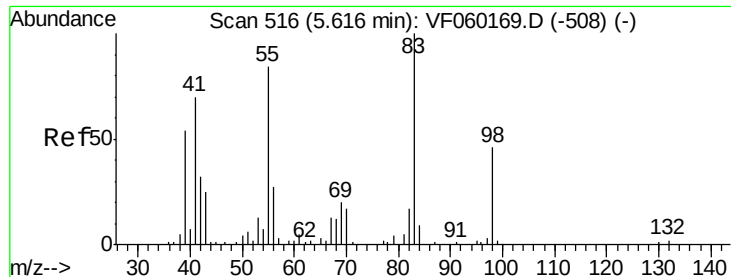
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#38
Carbon Tetrachloride
Concen: 51.94 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.8	115.2
121	27.8	22.9	34.3





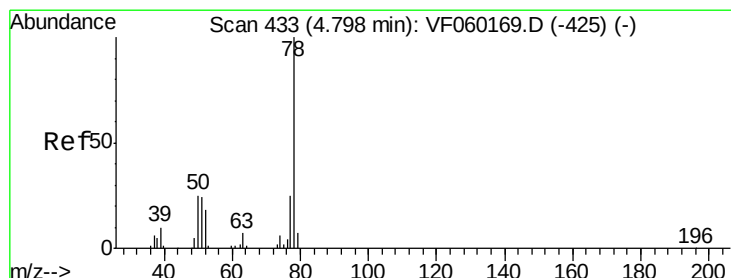
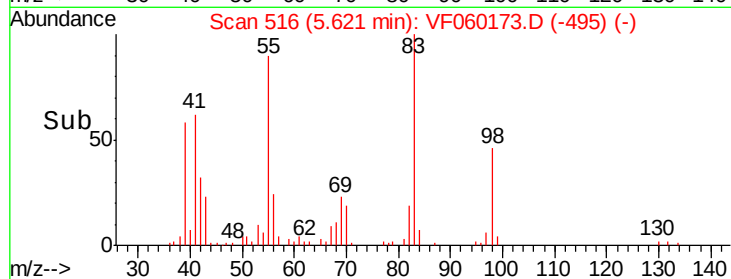
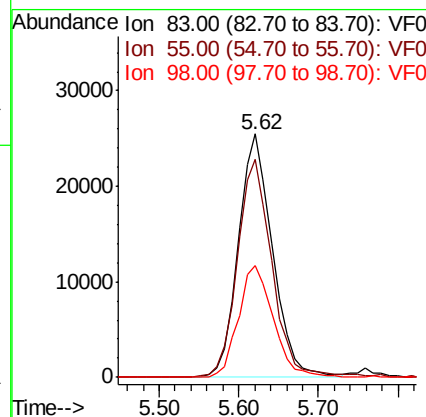
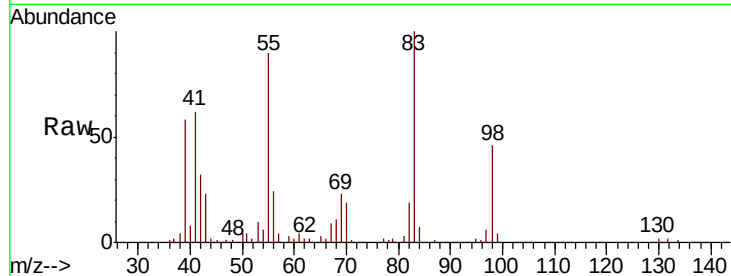
#39
Methylvlcyclohexane
Concen: 62.11 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.5	67.4	101.2
98	45.7	37.0	55.6

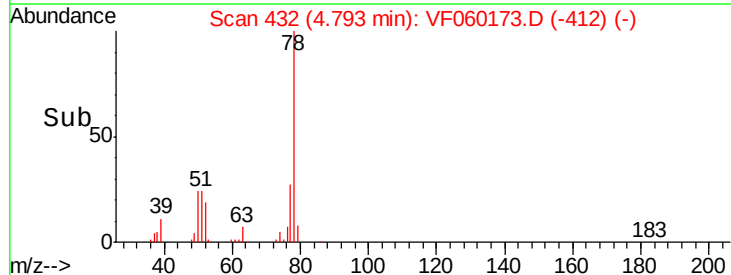
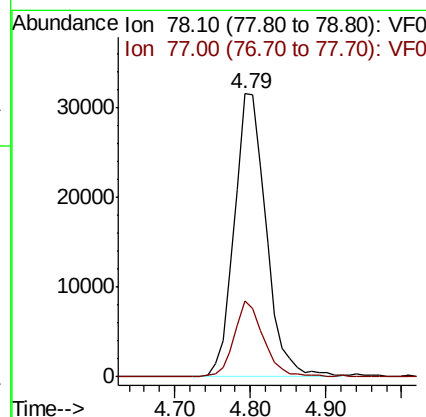
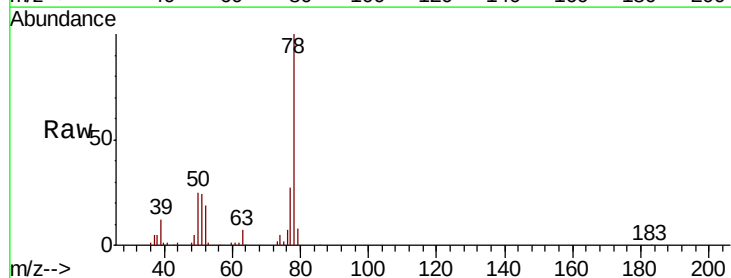
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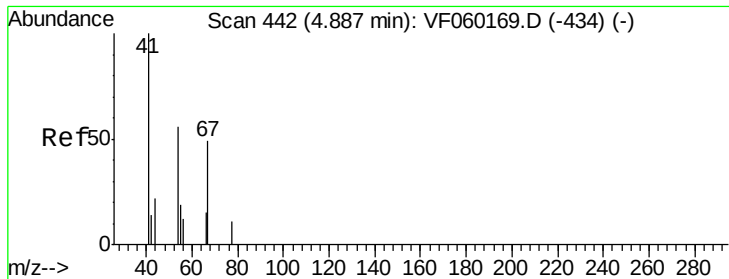
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#40
Benzene
Concen: 53.69 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	20.2	30.2





#41

Methacrylonitrile

Concen: 53.82 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

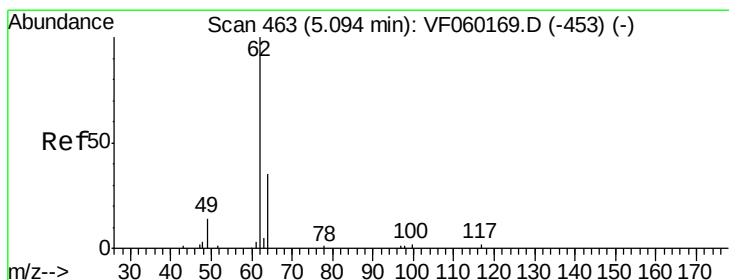
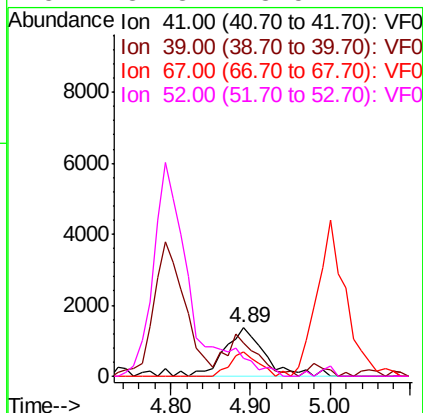
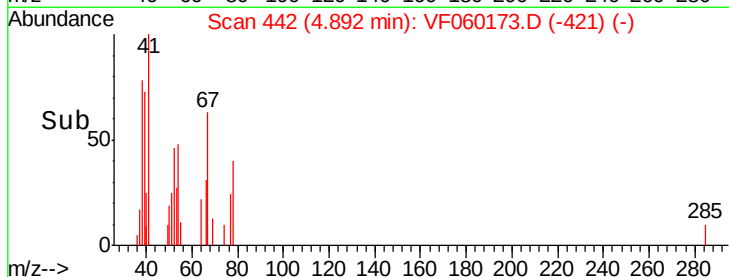
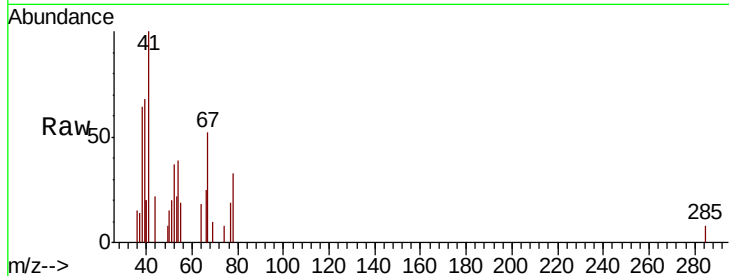
ClientSampleId :

ICVVF082918

Tot Ion	41	Resp:	4738
Ion	Ratio	Lower	Upper
41	100		
39	68.4	45.0	67.6#
67	51.7	39.5	59.3
52	37.3	28.5	42.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 46.49 ug/l

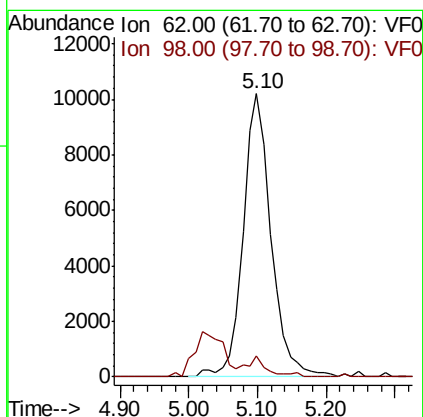
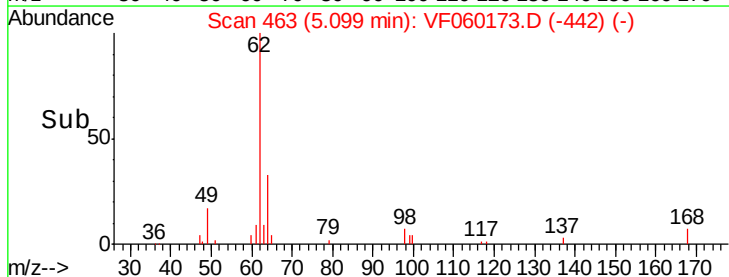
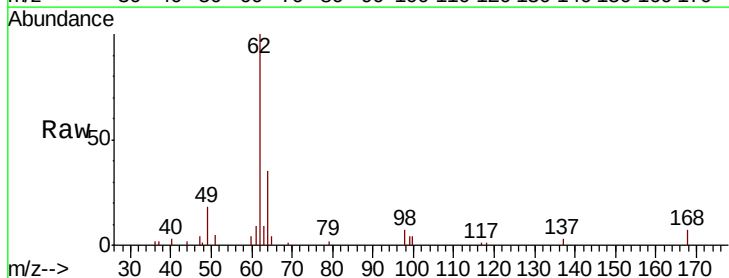
RT: 5.10 min Scan# 463

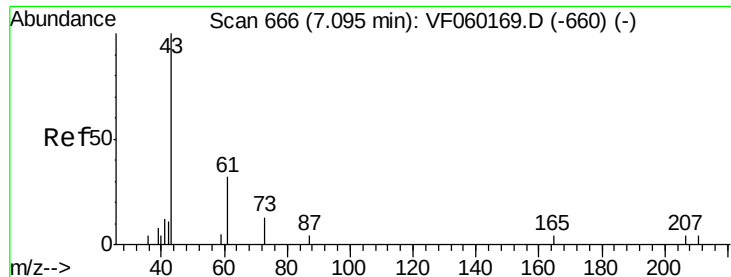
Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion	62	Resp:	28706
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	13.2





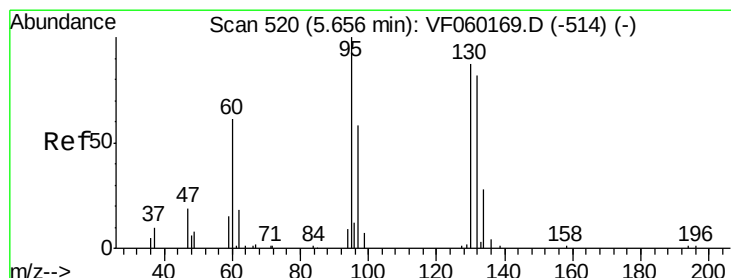
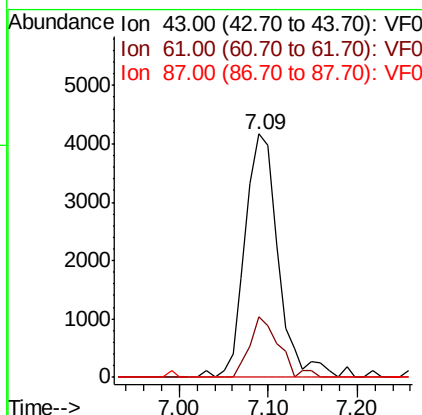
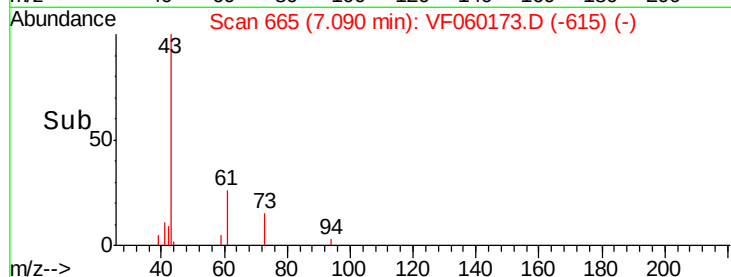
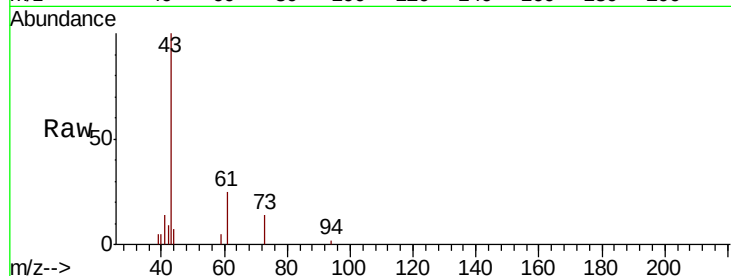
#43
Isopropyl Acetate
Concen: 54.96 ug/l
RT: 7.09 min Scan# 665
Delta R.T. -0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	25.3	37.9#
87	0.0	3.0	4.6#

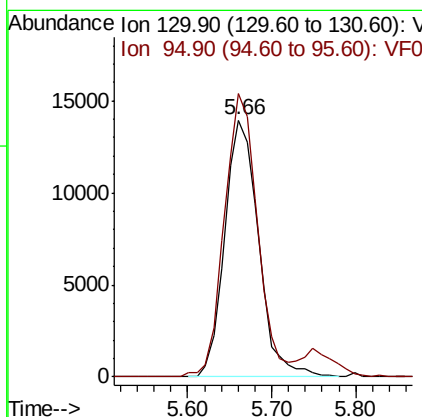
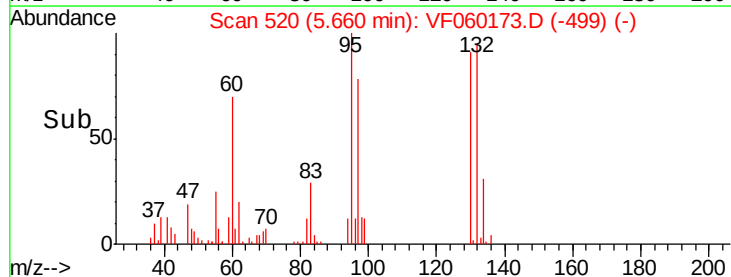
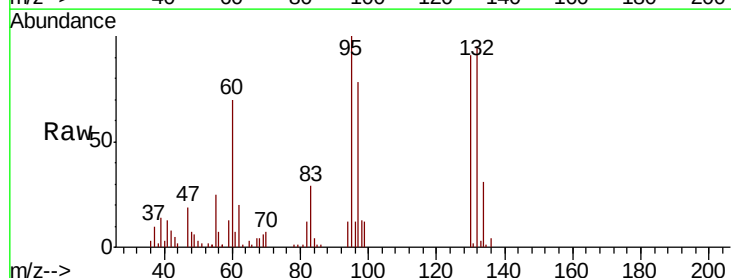
Manual Integrations
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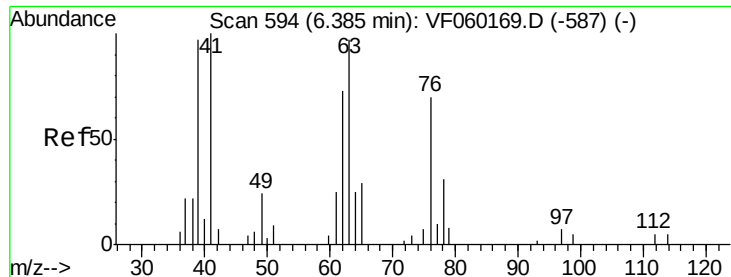
apatel
8/29/2018 2:02:15 PM



#44
Trichloroethene
Concen: 53.04 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.1	0.0	230.8





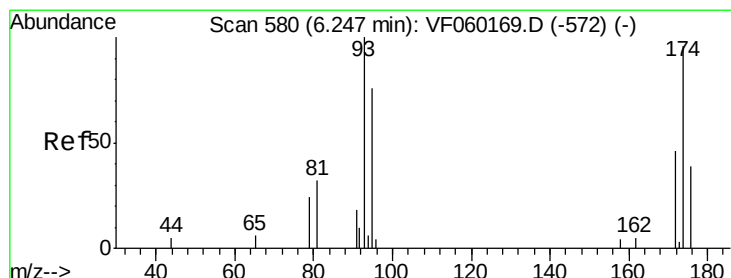
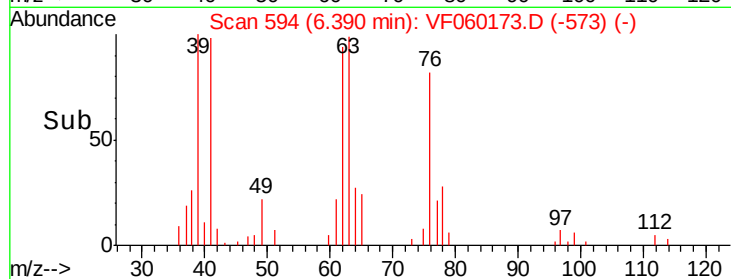
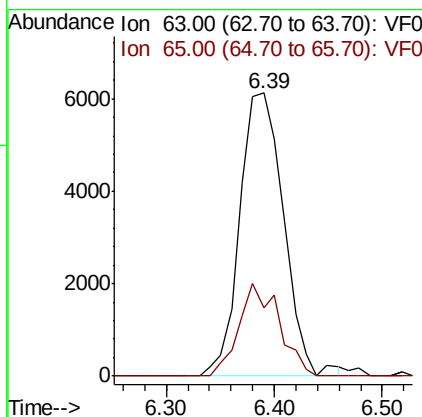
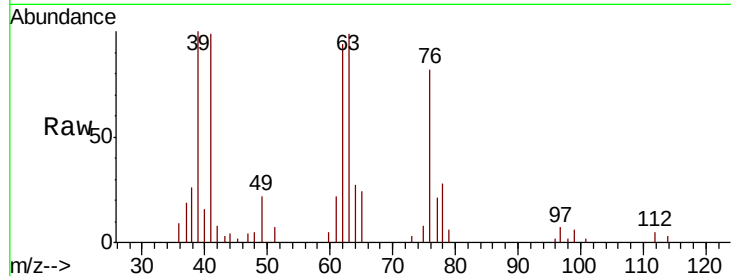
#45
 1,2-Dichloropropane
 Concen: 47.58 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082918

Tot Ion	Ratio	Lower	Upper
63	100		
65	24.1	23.6	35.4

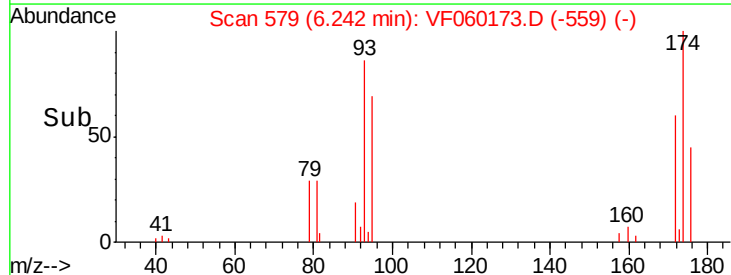
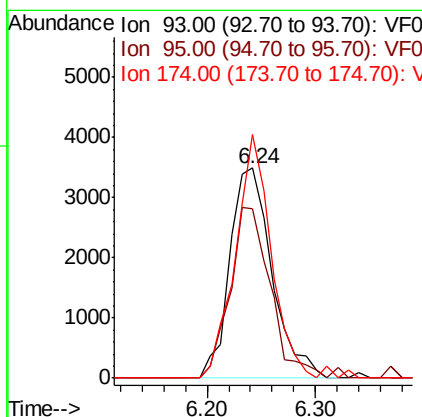
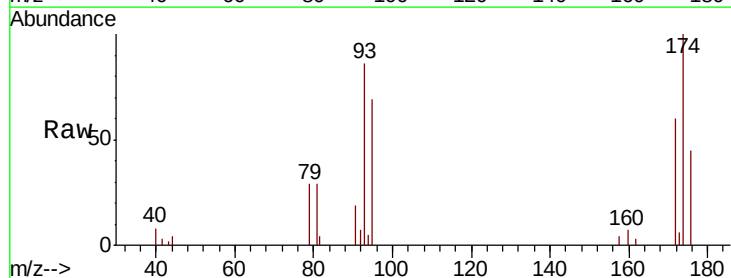
Manual Integrations
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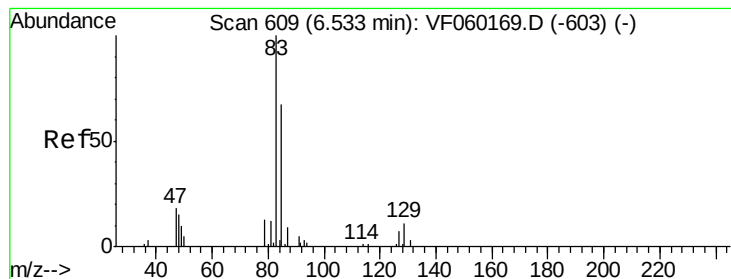
apatel
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#46
 Dibromomethane
 Concen: 45.53 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	60.8	91.2
174	116.1	76.8	115.2#





#47

Bromodichloromethane

Concen: 48.26 ug/l

RT: 6.54 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

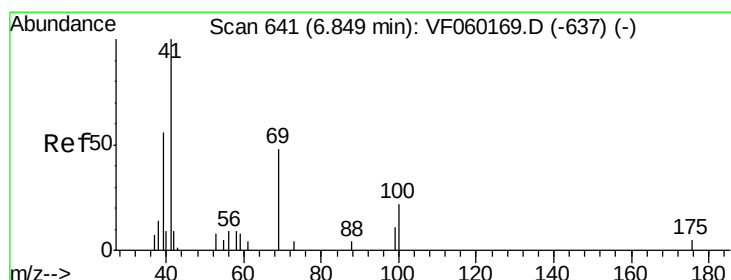
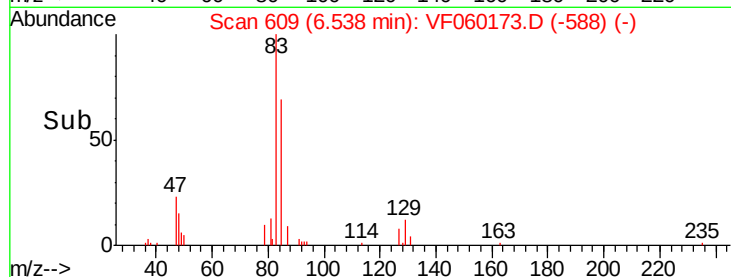
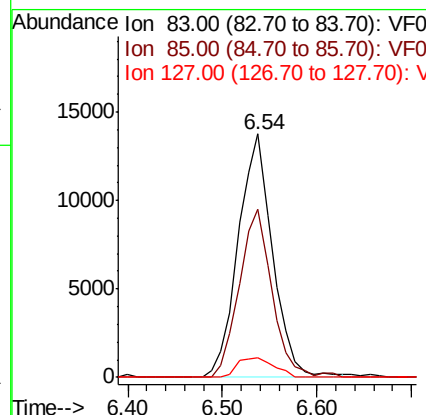
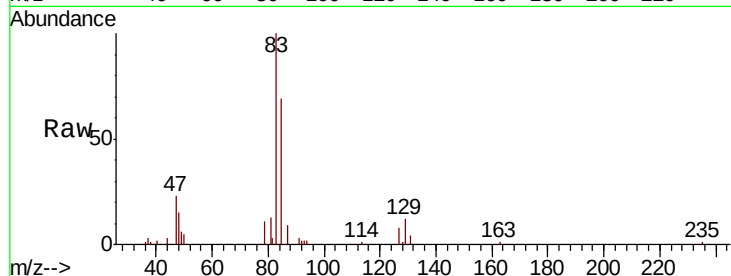
ClientSampleId :

ICVVF082918

Tot Ion:	83	Resp:	34489
Ion	Ratio	Lower	Upper
83	100		
85	69.0	53.3	79.9
127	8.2	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.75 ug/l

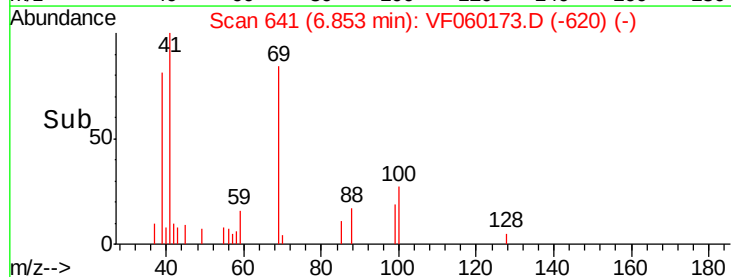
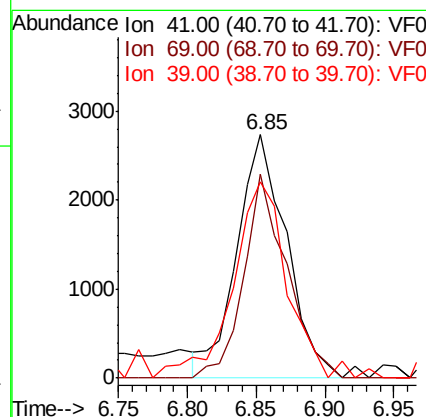
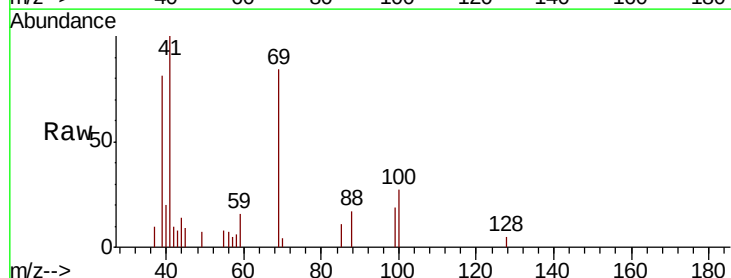
RT: 6.85 min Scan# 641

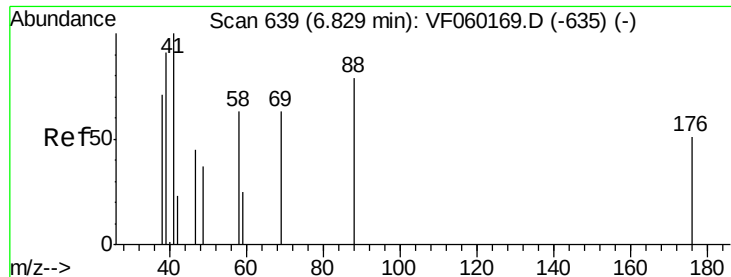
Delta R.T. 0.01 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion:	41	Resp:	6850
Ion	Ratio	Lower	Upper
41	100		
69	83.7	38.2	57.2#
39	80.8	56.2	84.2





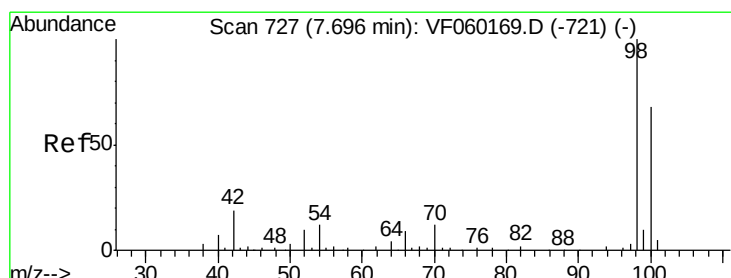
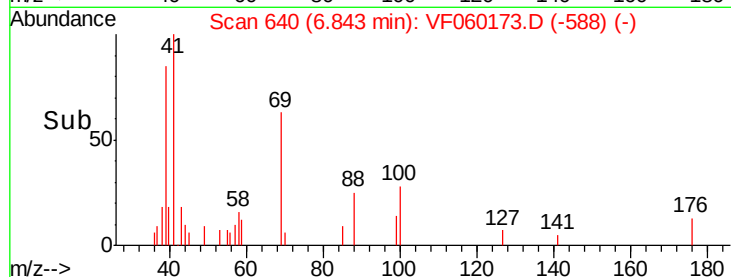
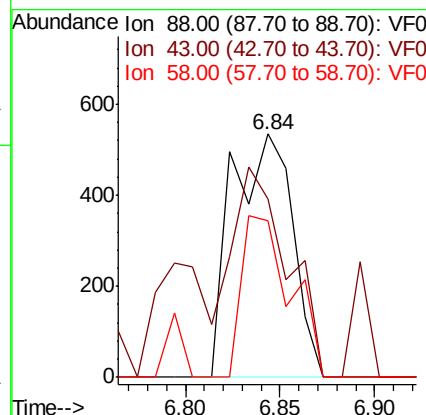
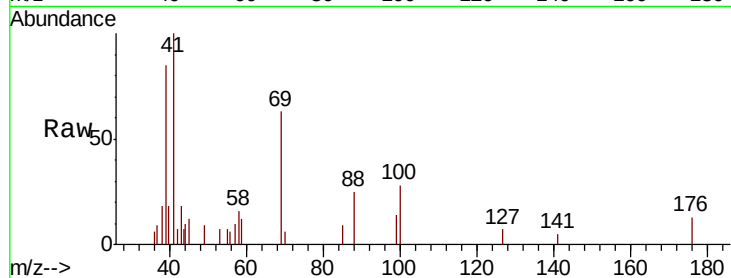
#49
 1,4-Dioxane
 Concen: 1134.11 ug/l
 RT: 6.84 min Scan# 640
 Delta R.T. 0.02 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082918

Tot Ion	Ratio	Lower	Upper
88	100		
43	73.1	24.5	36.7#
58	64.5	63.8	95.8

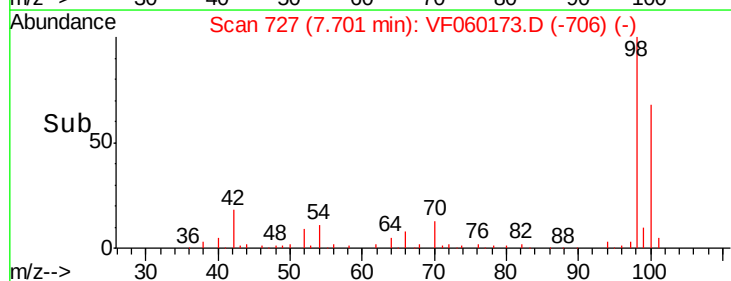
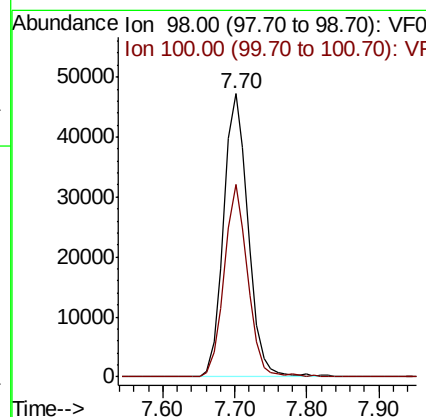
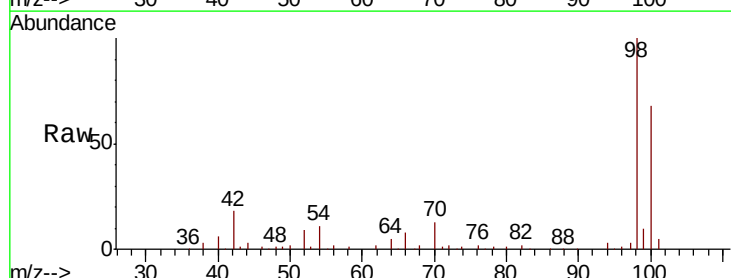
Manual Integrations
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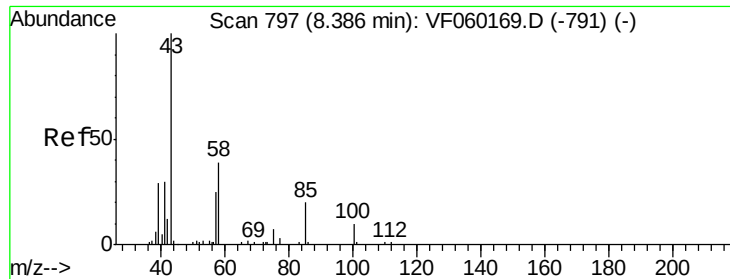
apatel
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#50
 Toluene-d8
 Concen: 55.04 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	54.5	81.7





#51

4-Methyl-2-Pentanone

Concen: 273.77 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion: 43 Resp: 46791

Ion Ratio Lower Upper

43 100

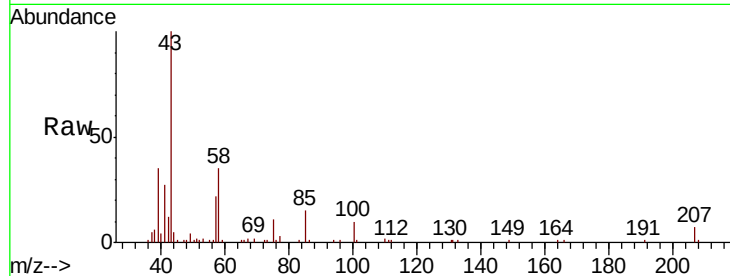
58 34.6 31.0 46.6

Manual Integrations

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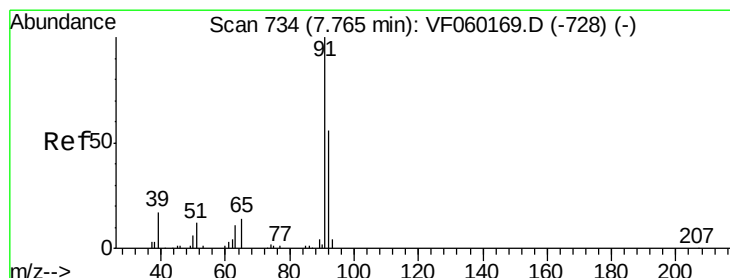
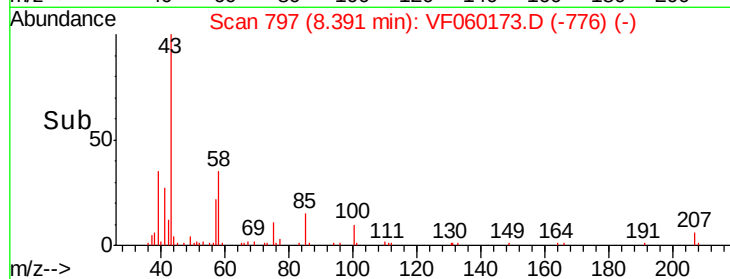
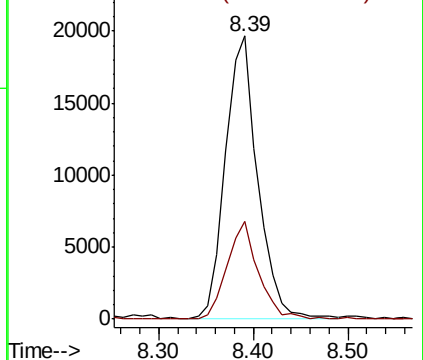
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.60 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060173.D

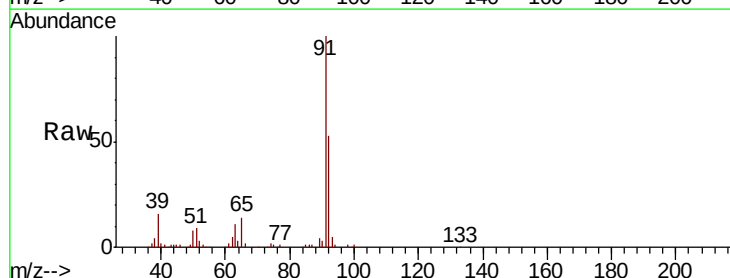
Acq: 29 Aug 2018 3:43

Tgt Ion: 92 Resp: 71001

Ion Ratio Lower Upper

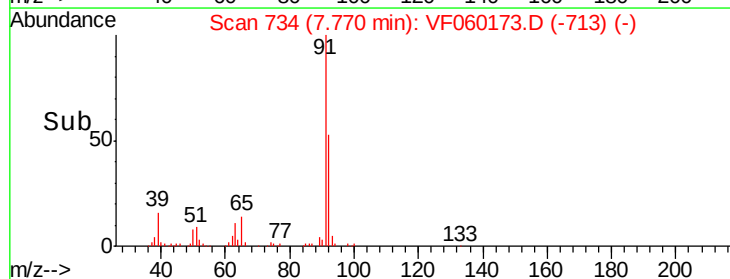
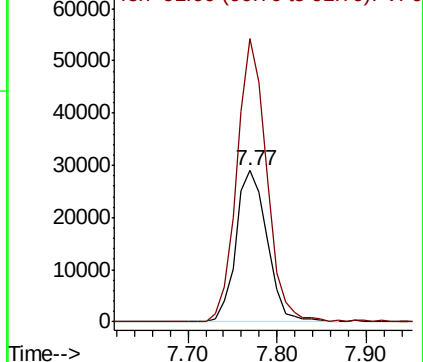
92 100

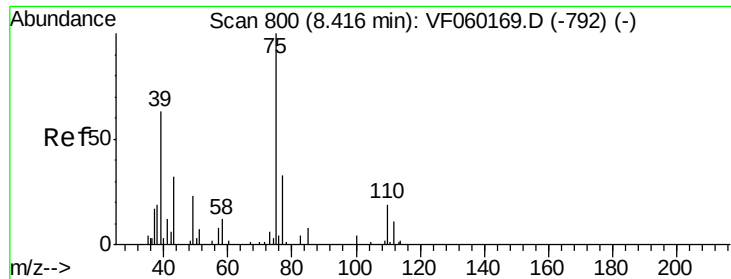
91 187.5 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.18 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion: 75 Resp: 21668

Ion Ratio Lower Upper

75 100

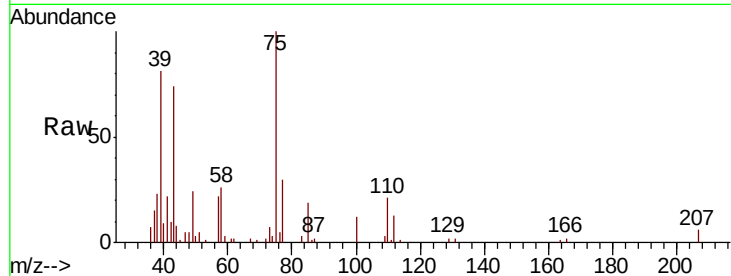
77 30.1 26.4 39.6

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

10000

8000

6000

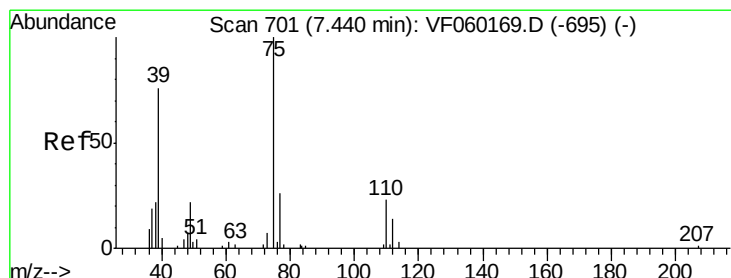
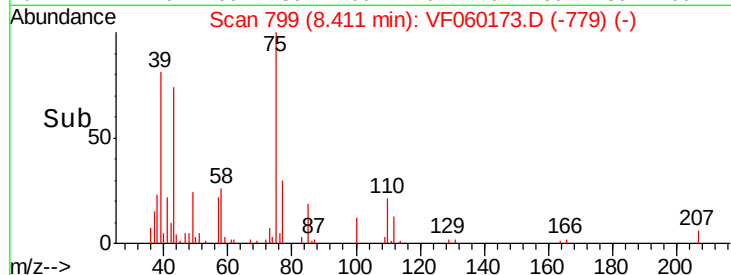
4000

2000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.46 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

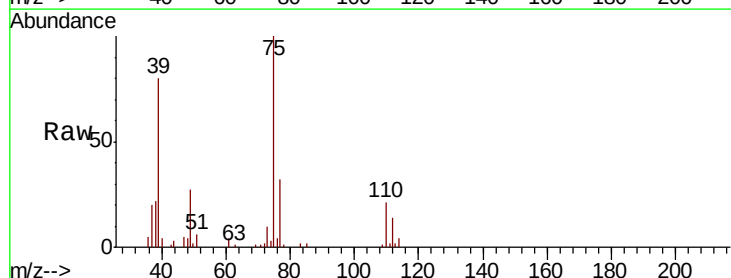
Tgt Ion: 75 Resp: 28003

Ion Ratio Lower Upper

75 100

77 32.3 20.7 31.1#

39 80.0 60.9 91.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

15000

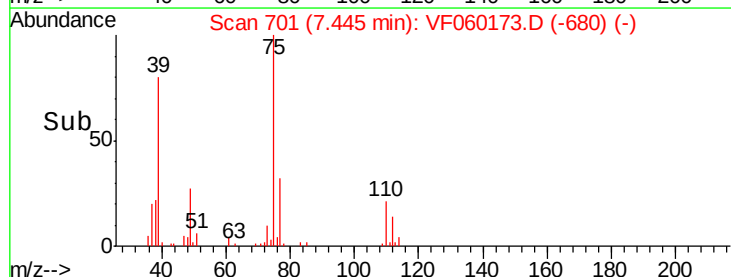
10000

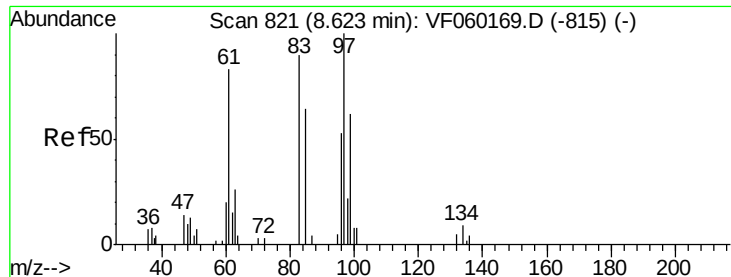
5000

0

7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.31 ug/l

RT: 8.63 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

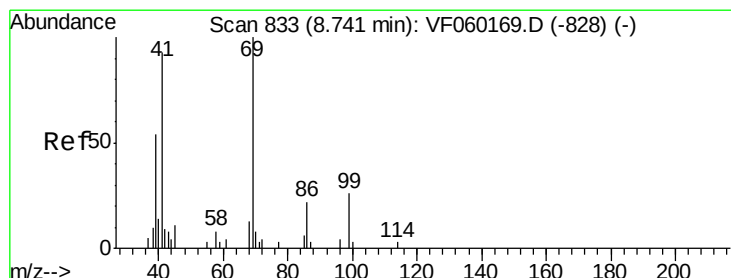
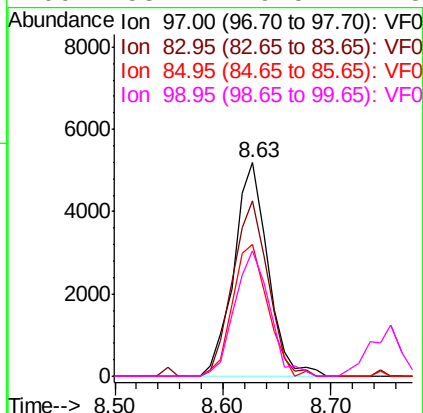
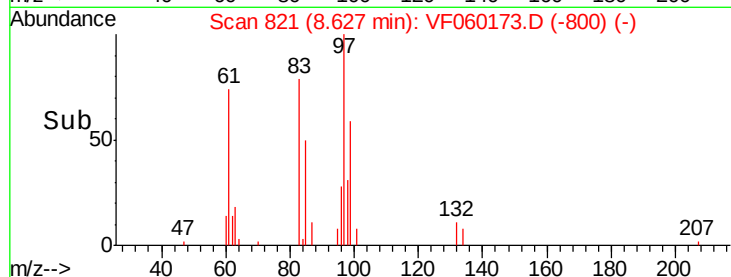
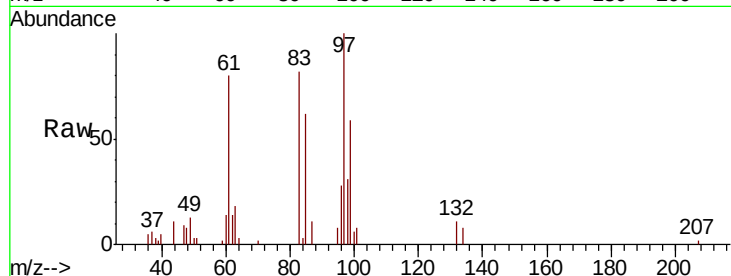
ClientSampleId :

ICVVF082918

Tot Ion:	97	Resp:	11413
Ion	Ratio	Lower	Upper
97	100		
83	81.9	72.0	108.0
85	61.5	51.0	76.4
99	58.7	49.5	74.3

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#56

Ethyl methacrylate

Concen: 51.83 ug/l

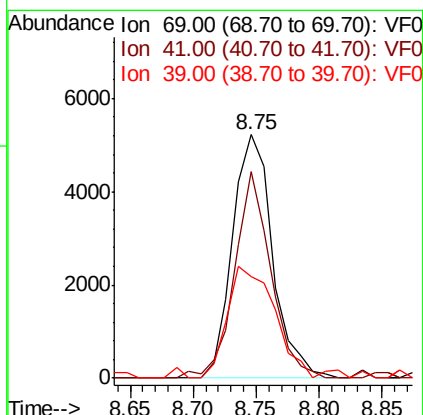
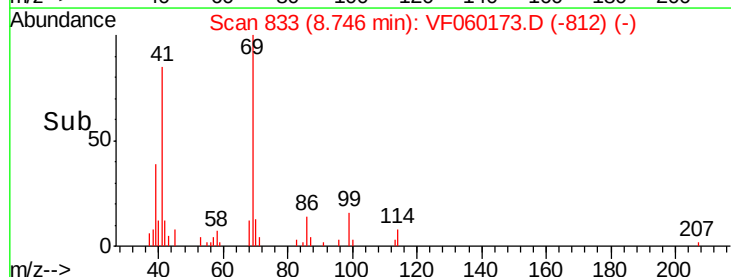
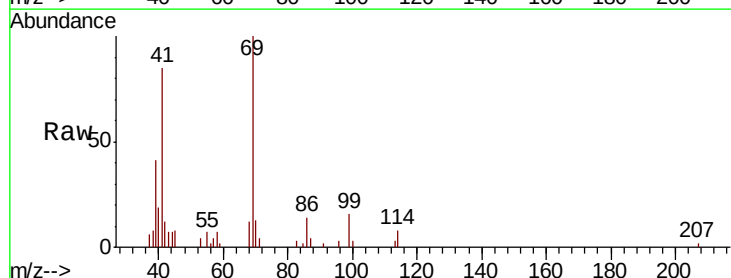
RT: 8.75 min Scan# 833

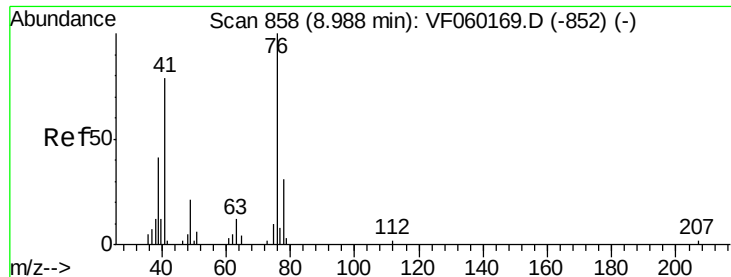
Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion:	69	Resp:	11496
Ion	Ratio	Lower	Upper
69	100		
41	84.8	74.6	111.8
39	41.4	46.2	69.4#





#57

1,3-Dichloropropane

Concen: 48.89 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion: 76 Resp: 19216

Ion Ratio Lower Upper

76 100

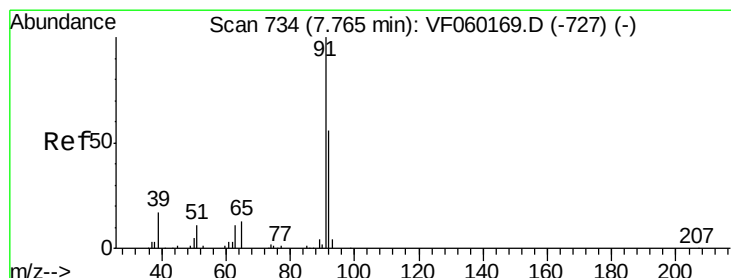
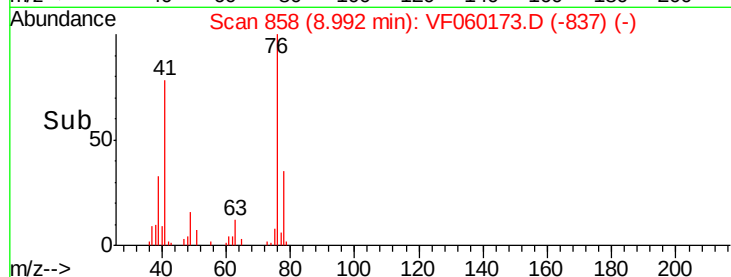
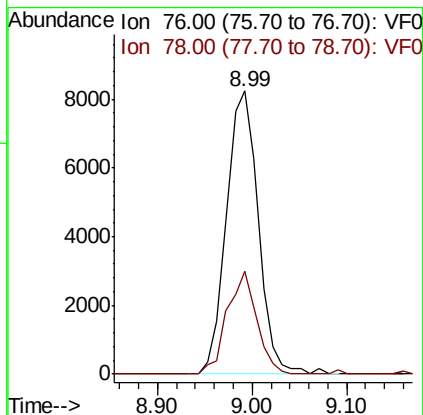
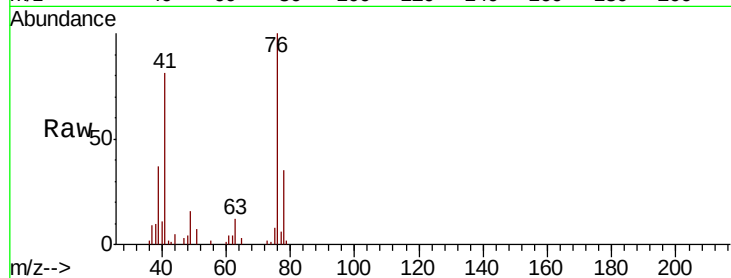
78 36.4 24.6 37.0

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#58

2-Chloroethyl Vinyl ether

Concen: 253.33 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF060173.D

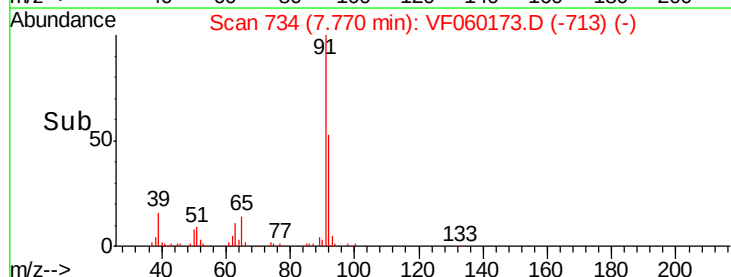
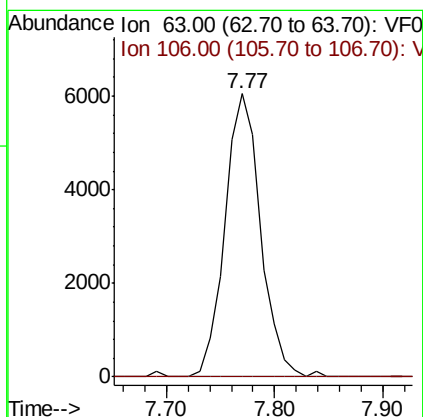
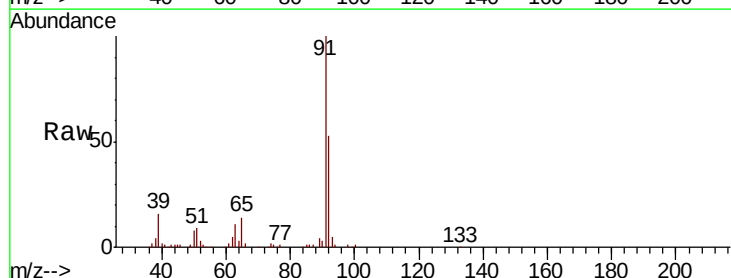
Acq: 29 Aug 2018 3:43

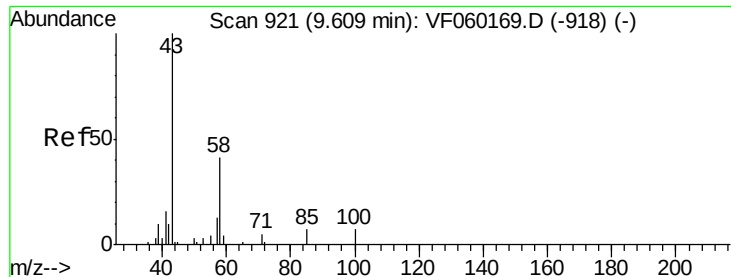
Tgt Ion: 63 Resp: 13860

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





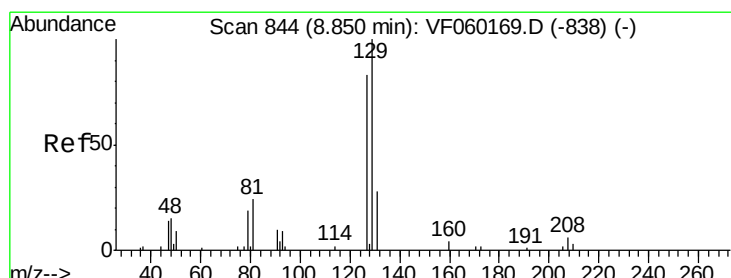
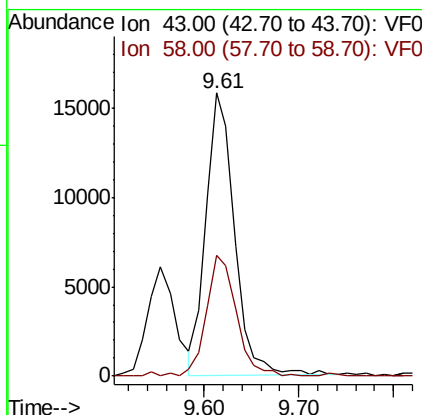
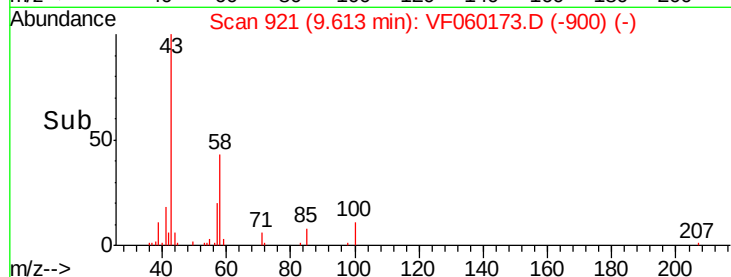
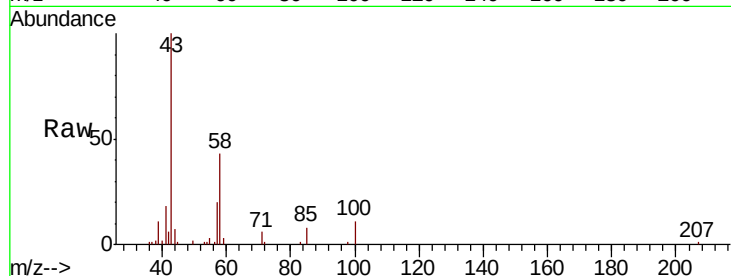
#59
2-Hexanone
Concen: 277.41 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.9	19.4	58.4

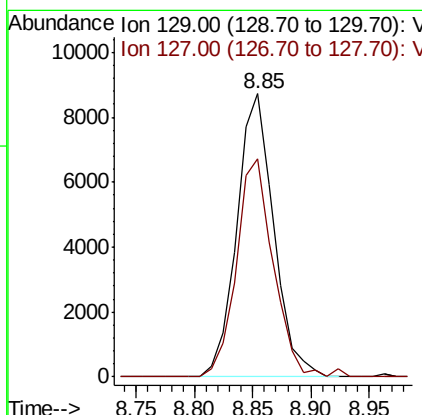
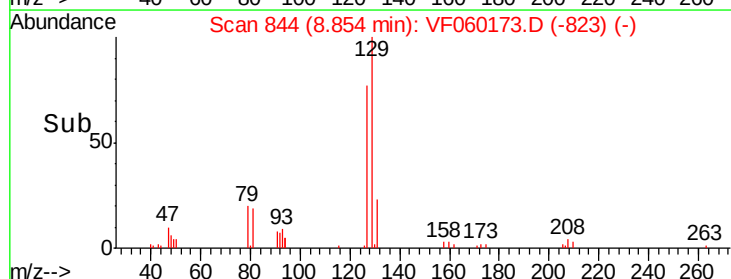
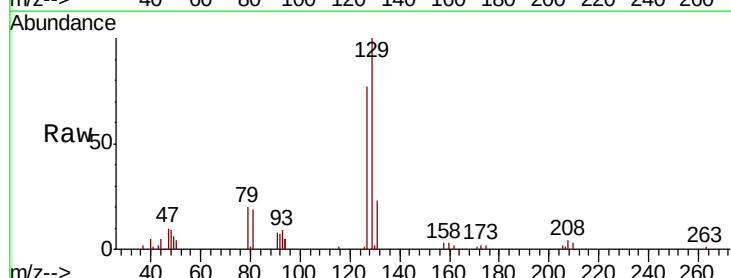
Manual Integrations
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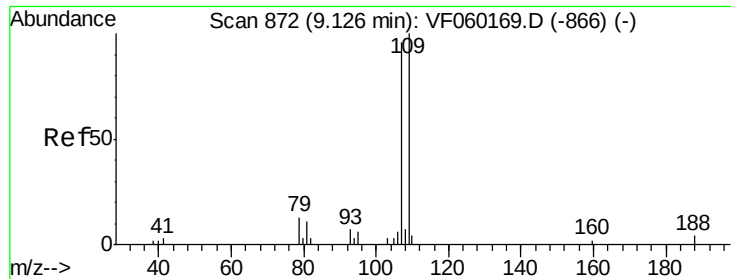
apatel
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#60
Dibromochloromethane
Concen: 50.77 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	43.2	129.6





#61

1,2-Dibromoethane

Concen: 46.63 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion:107 Resp: 10839

Ion Ratio Lower Upper

107 100

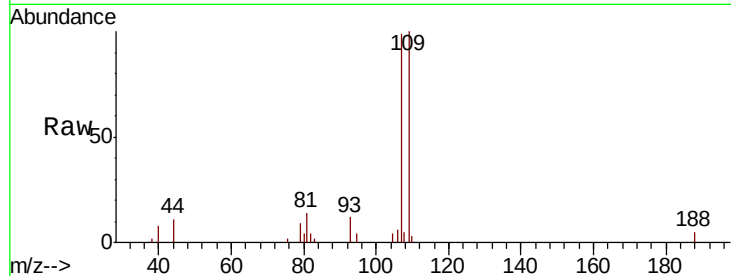
109 101.5 83.4 125.0

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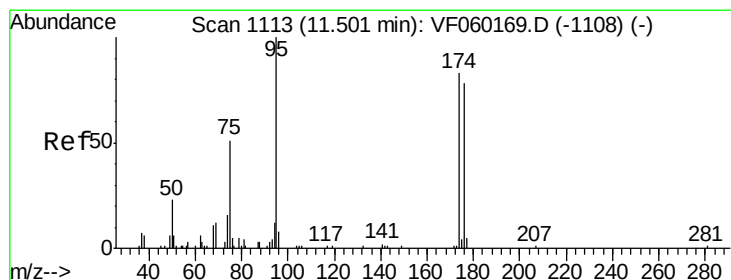
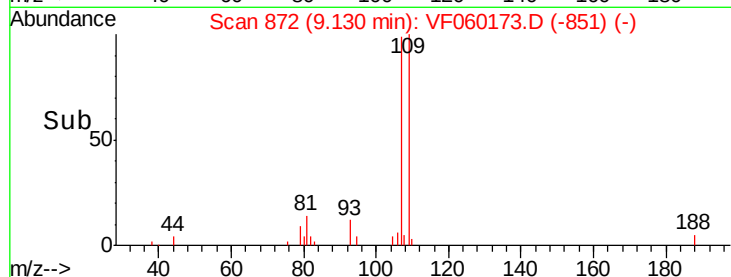
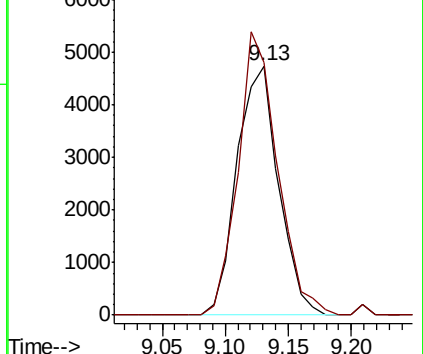
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.87 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

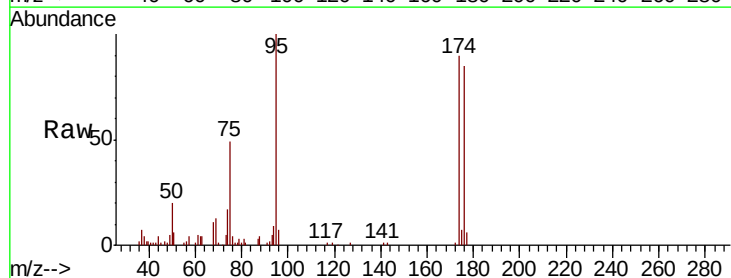
Tgt Ion: 95 Resp: 38412

Ion Ratio Lower Upper

95 100

174 90.4 0.0 165.2

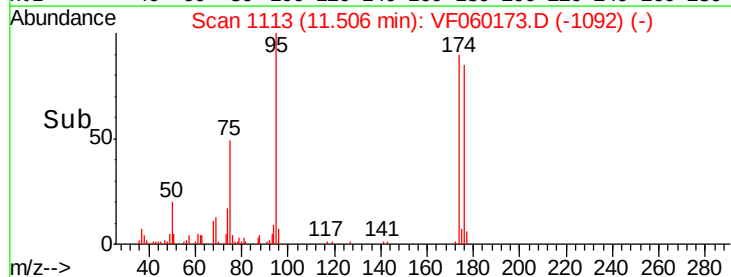
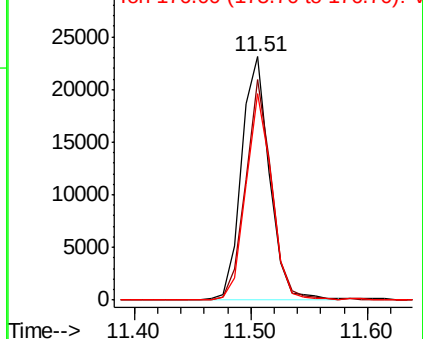
176 84.6 0.0 156.6

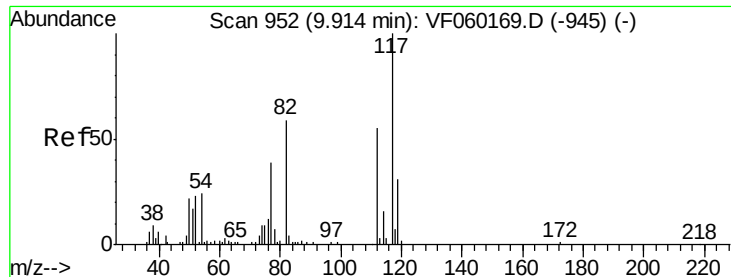


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





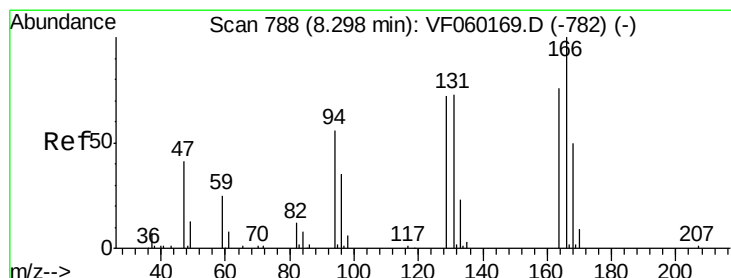
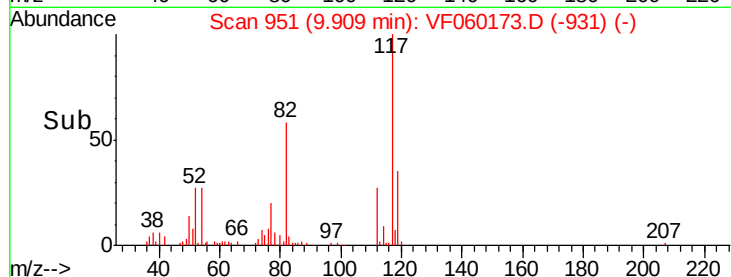
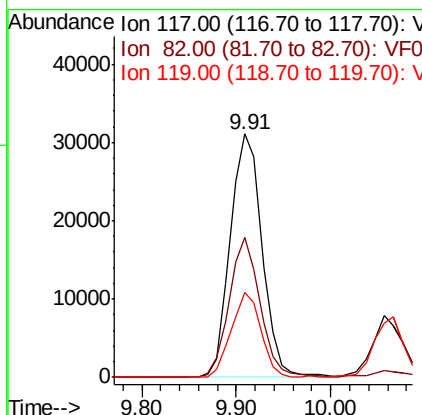
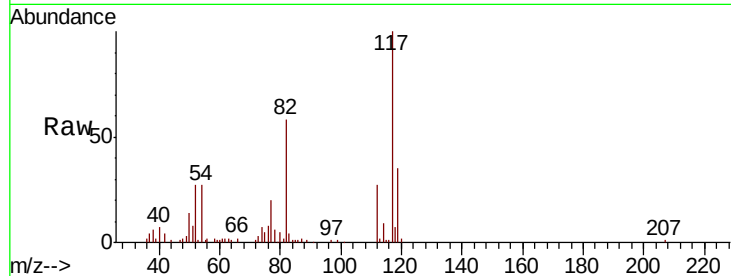
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	34.8	25.0	37.4

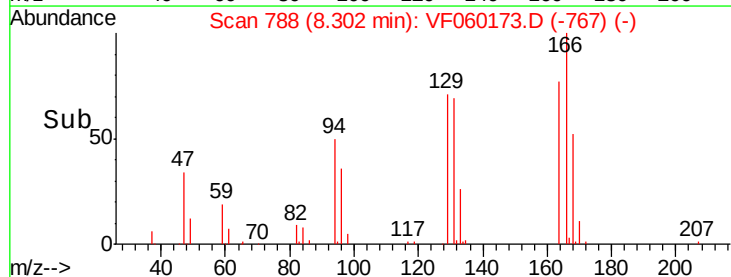
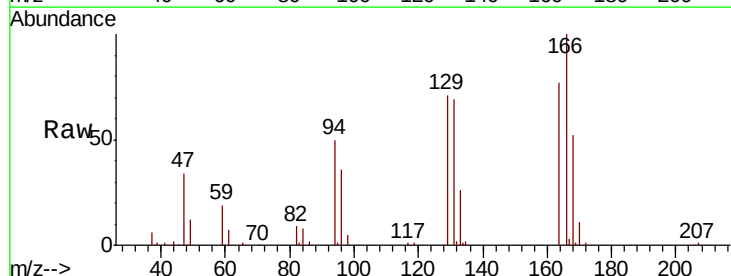
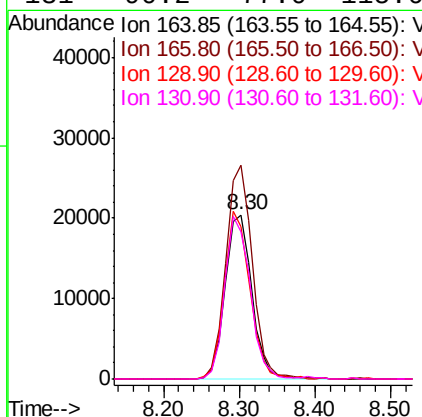
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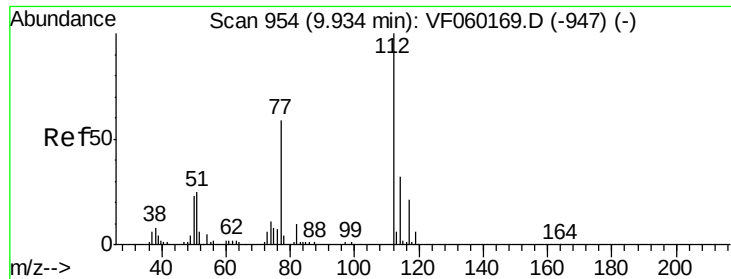
apatel
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#64
Tetrachloroethene
Concen: 55.81 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	105.2	157.8
129	92.7	76.2	114.2
131	90.2	77.0	115.6





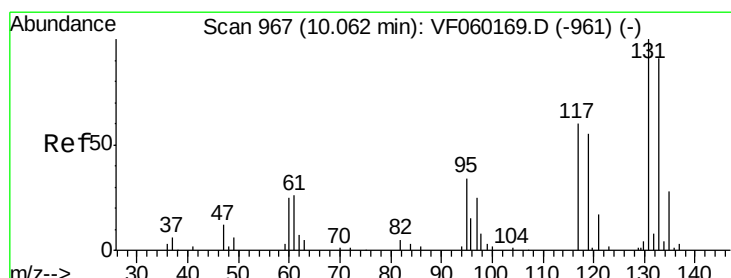
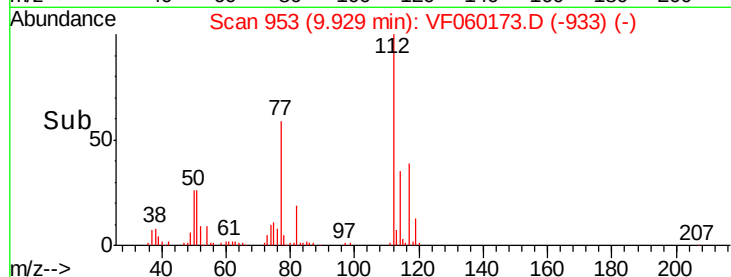
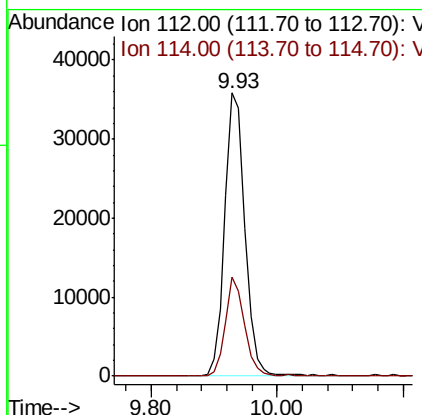
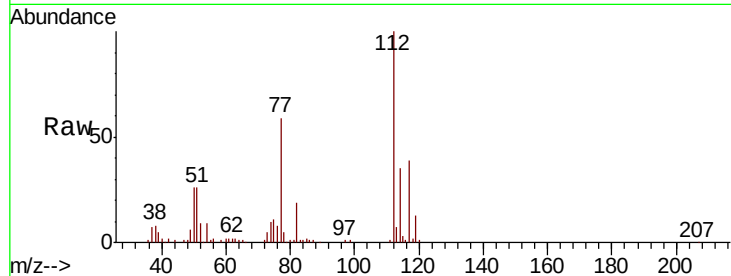
#65
Chlorobenzene
Concen: 55.31 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Resp	Lower	Upper
112	100	80251		
114	34.9	25.4	38.0	

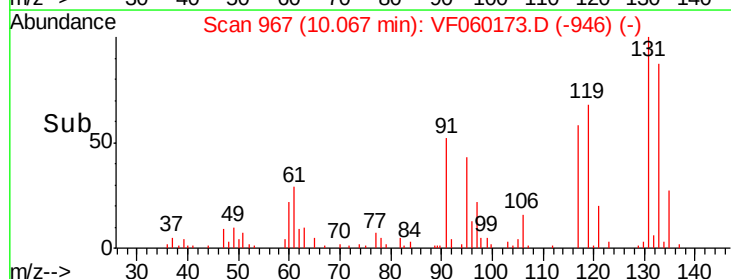
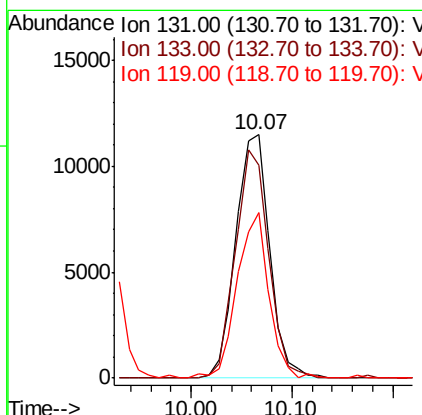
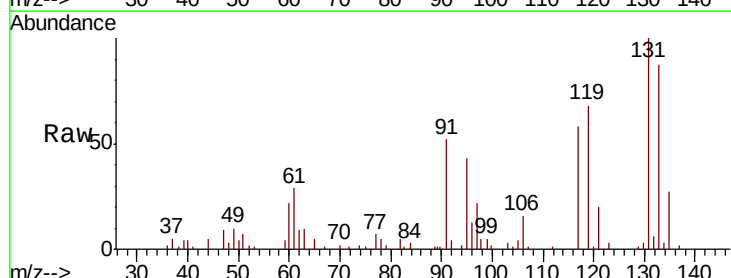
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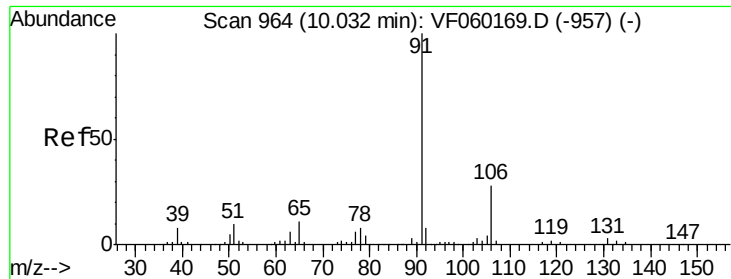
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.45 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	27015		
133	87.4	45.7	137.1	
119	67.8	28.1	84.3	





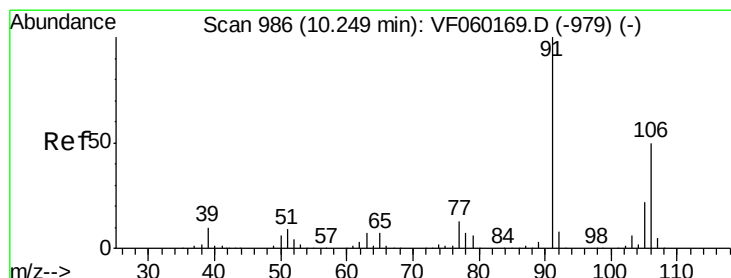
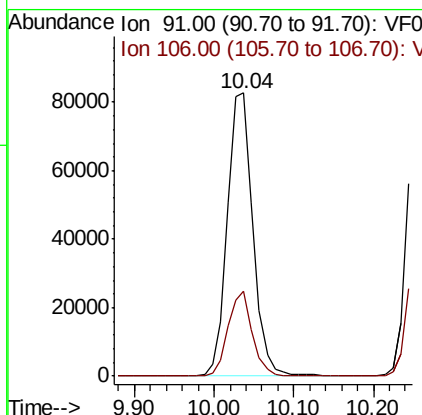
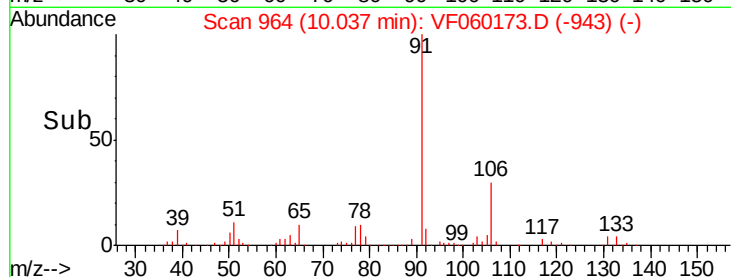
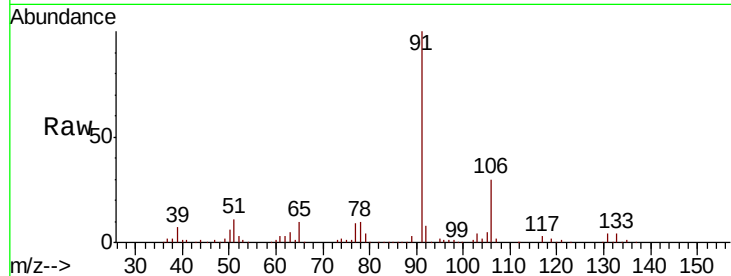
#67
Ethyl Benzene
Concen: 56.68 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion: 91 Resp: 187222
Ion Ratio Lower Upper
91 100
106 30.1 22.8 34.2

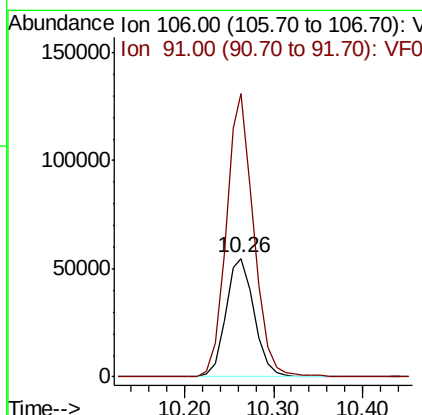
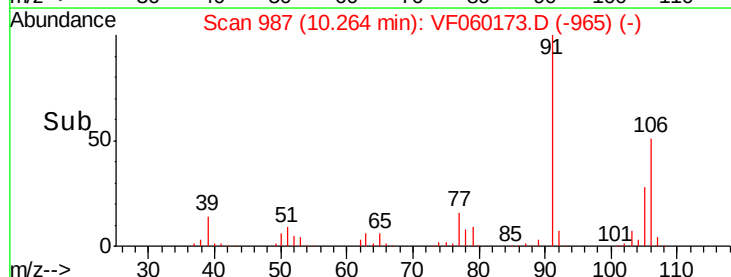
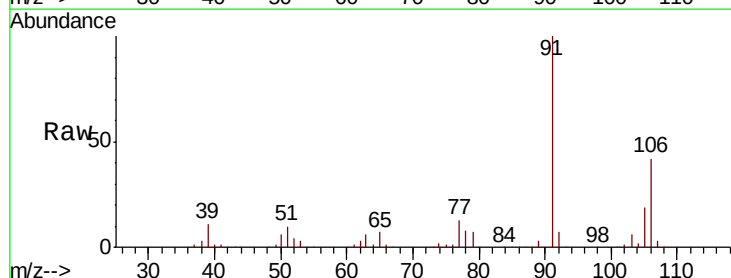
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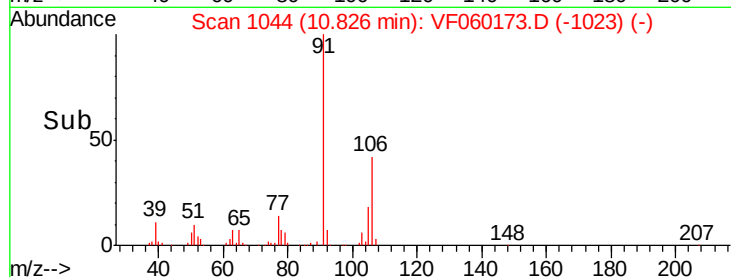
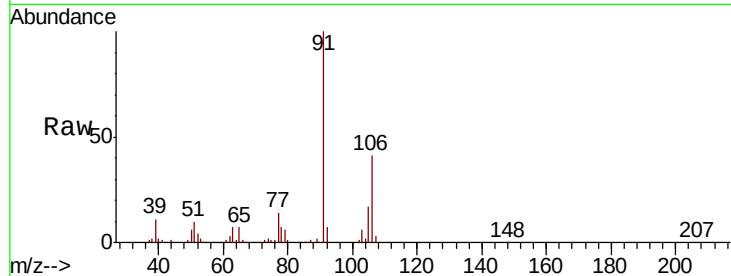
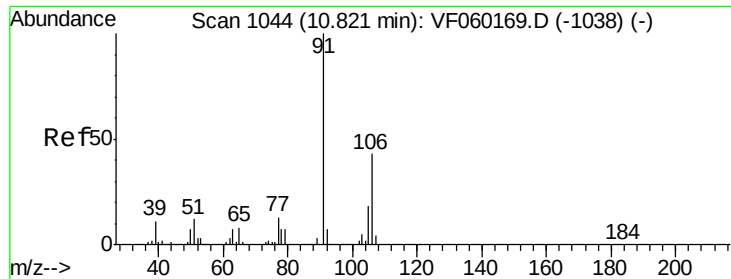
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#68
m/p-Xylenes
Concen: 108.84 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion: 106 Resp: 123244
Ion Ratio Lower Upper
106 100
91 239.0 161.3 241.9





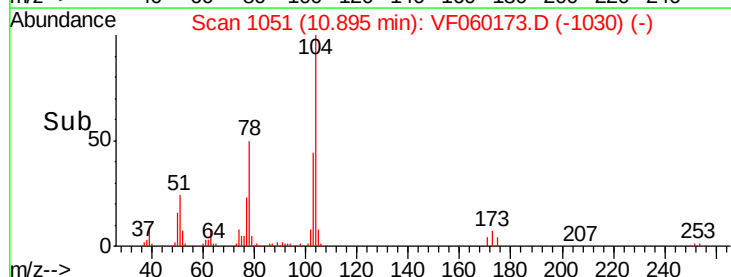
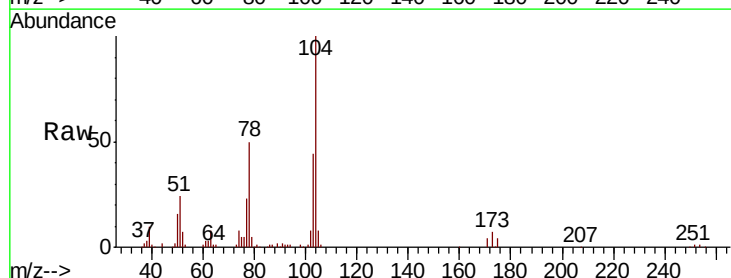
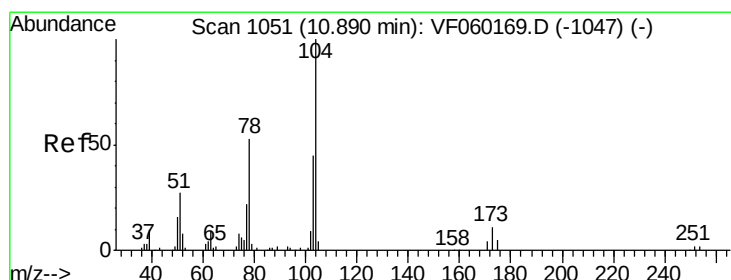
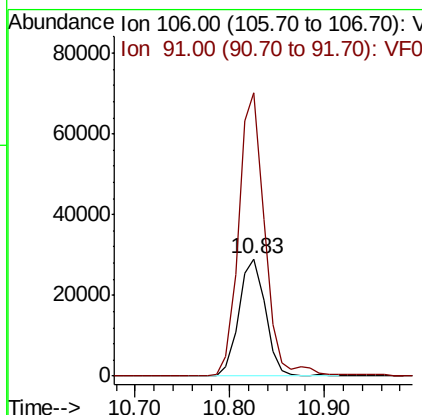
#69
o-Xylene
Concen: 58.50 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tot Ion:106 Resp: 56666
Ion Ratio Lower Upper
106 100
91 241.2 117.0 350.8

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

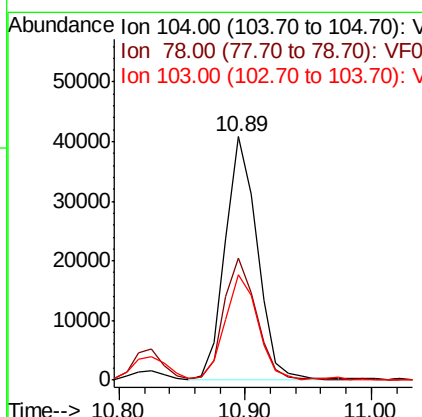
Manual Integrations
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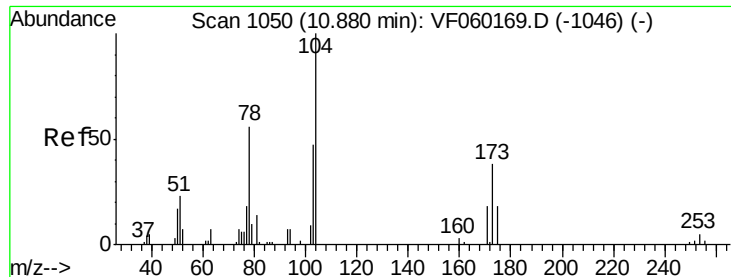
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#70
Styrene
Concen: 59.48 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion:104 Resp: 71205
Ion Ratio Lower Upper
104 100
78 50.0 42.6 64.0
103 43.5 36.8 55.2





#71

Bromoform

Concen: 49.54 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion:173 Resp: 9474

Ion Ratio Lower Upper

173 100

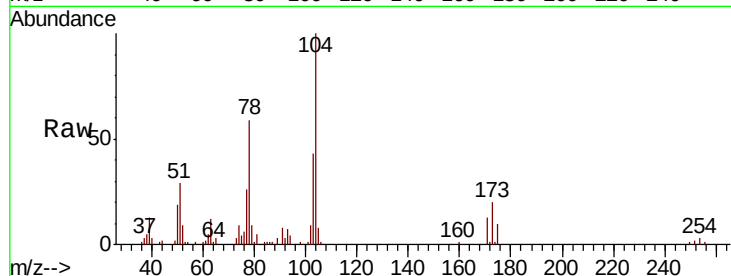
175 47.6 23.8 71.2

254 0.0 0.0 0.0

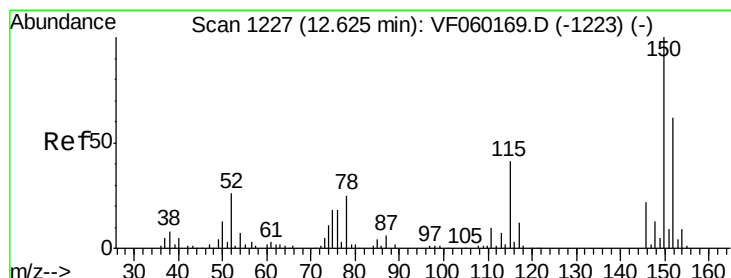
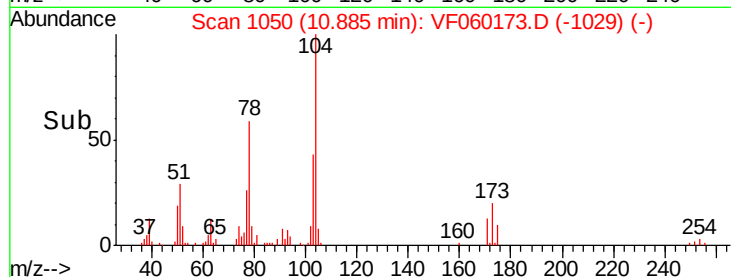
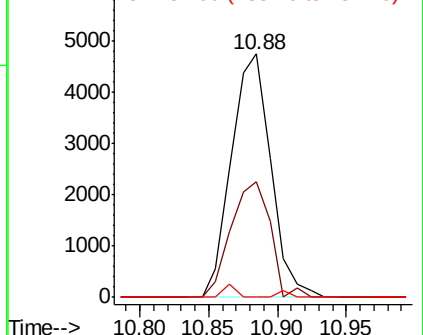
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

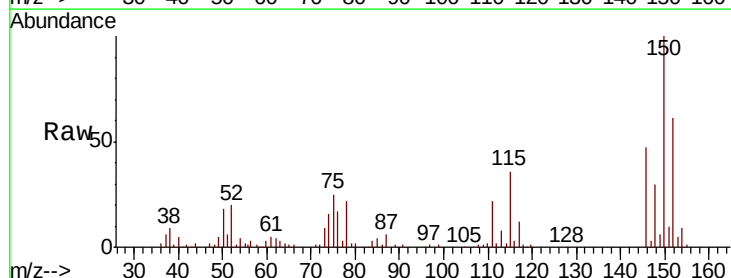
Tgt Ion:152 Resp: 36003

Ion Ratio Lower Upper

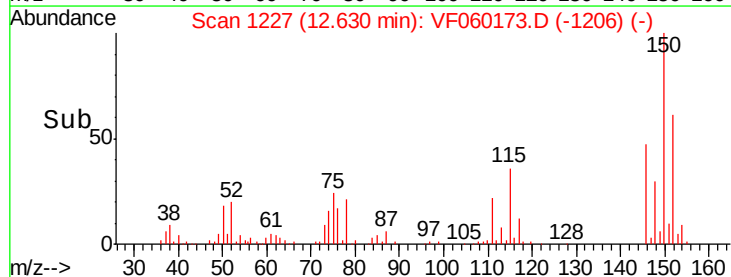
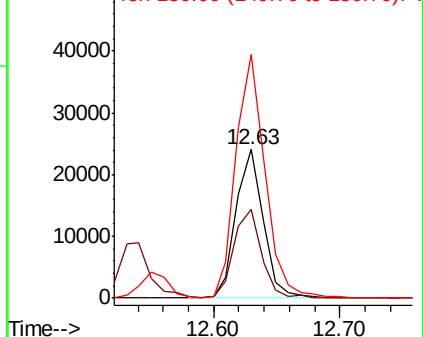
152 100

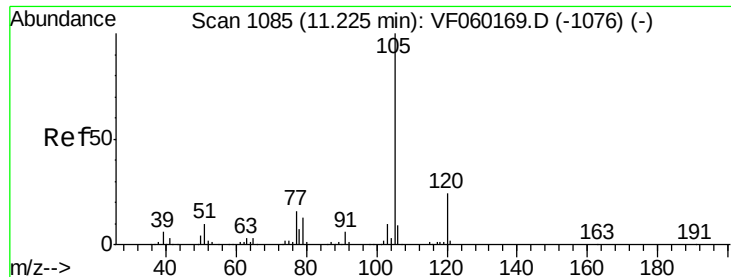
115 59.3 33.2 99.6

150 163.8 0.0 325.6



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: 57.01 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion:105 Resp: 224851

Ion Ratio Lower Upper

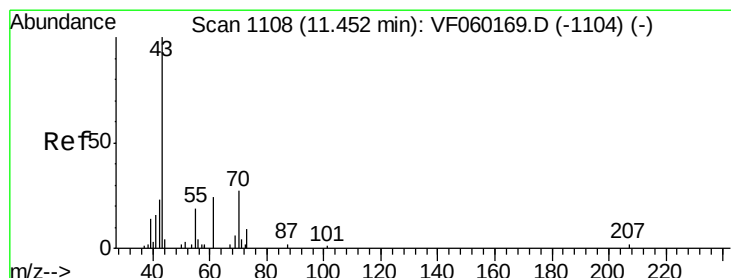
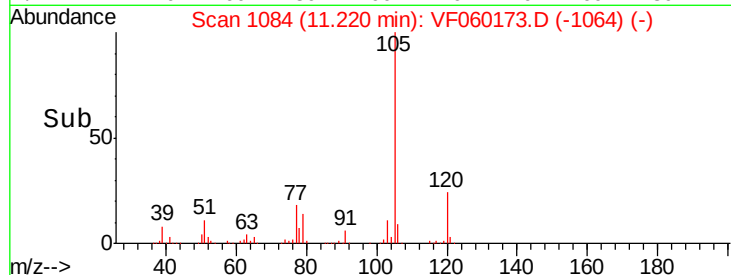
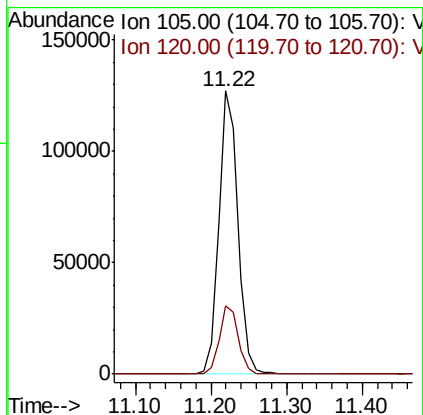
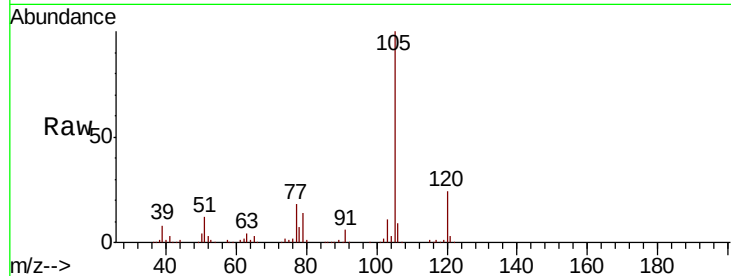
105 100

120 24.3 12.0 36.1

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#74

N-ethyl acetate

Concen: 52.56 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion: 43 Resp: 15517

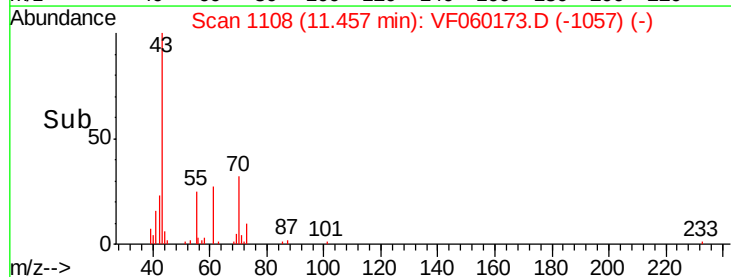
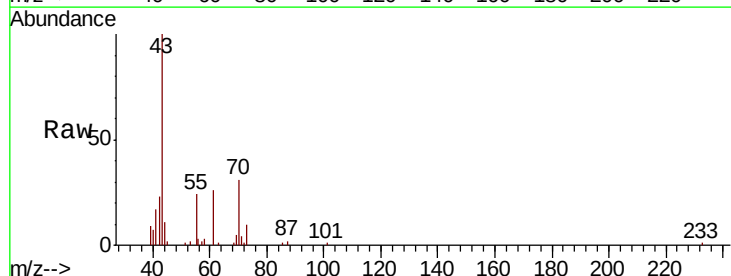
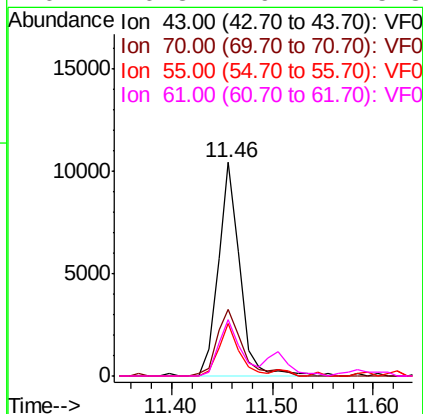
Ion Ratio Lower Upper

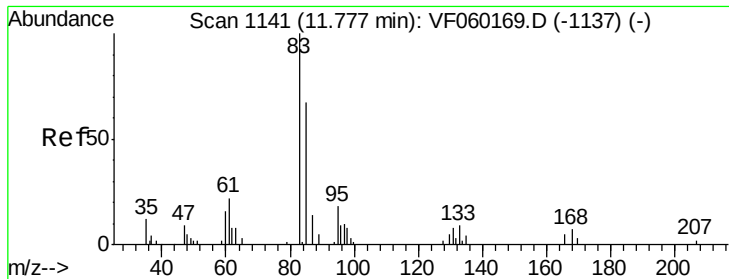
43 100

70 31.4 22.0 33.0

55 24.5 15.2 22.8#

61 26.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.34 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

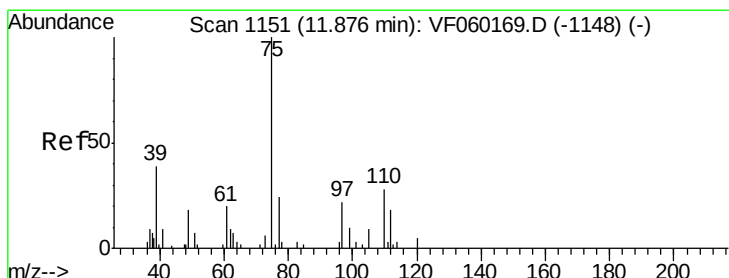
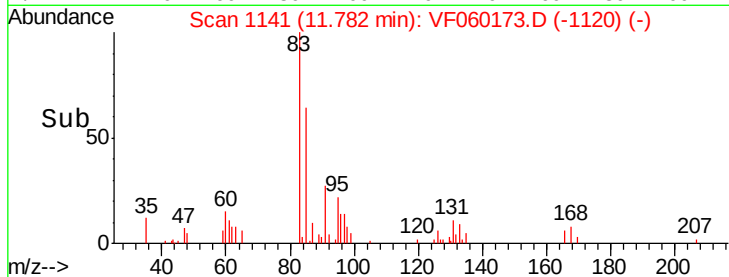
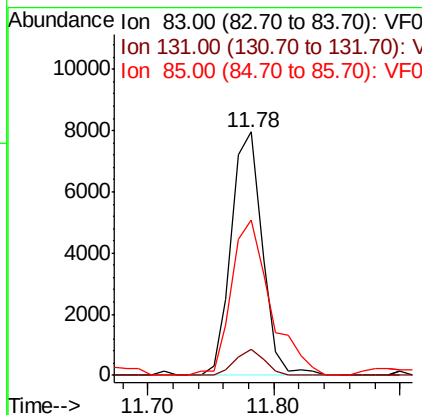
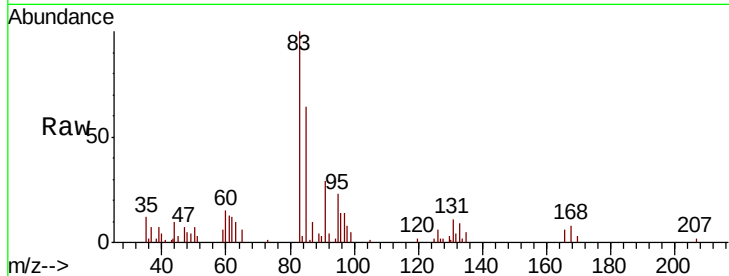
ClientSampleId :

ICVVF082918

Tot Ion:	83	Resp:	13576
Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.0	12.0
85	63.9	34.9	104.7

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#76

1,2,3-Trichloropropane

Concen: 51.69 ug/l

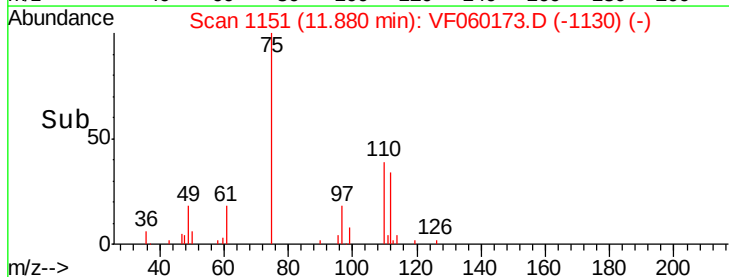
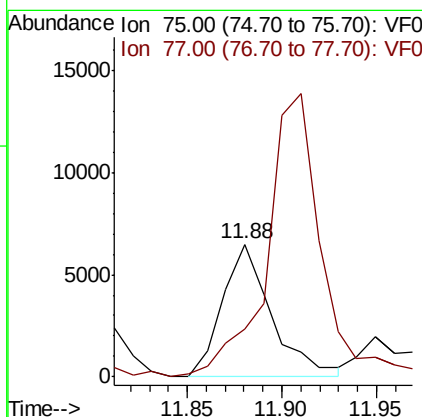
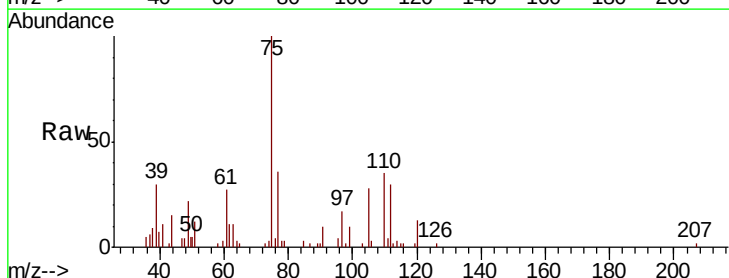
RT: 11.88 min Scan# 1151

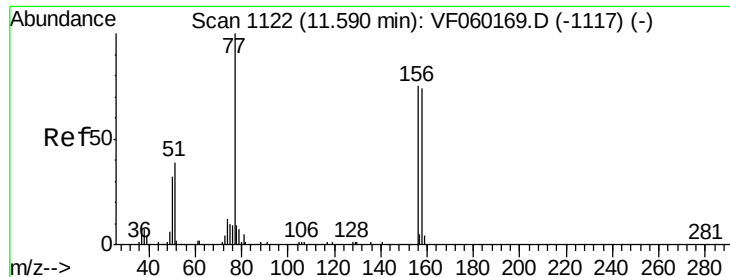
Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion:	75	Resp:	11723
Ion	Ratio	Lower	Upper
75	100		
77	35.7	12.8	38.3





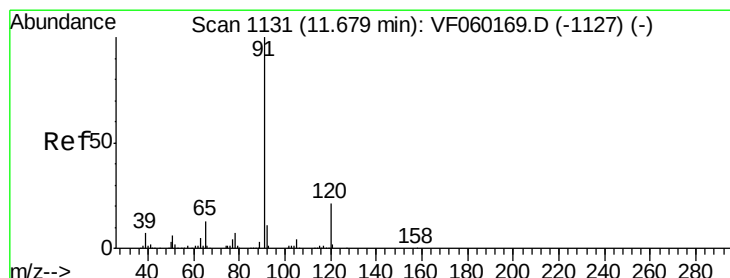
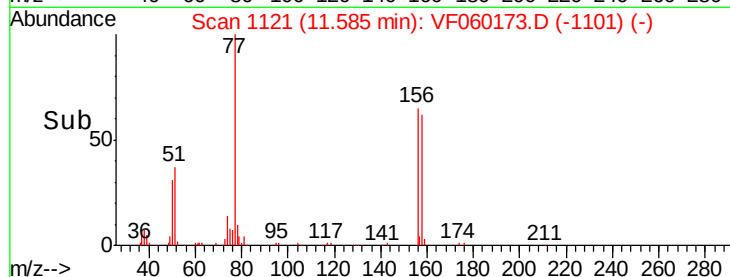
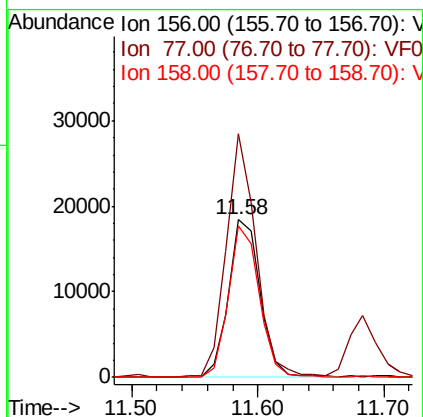
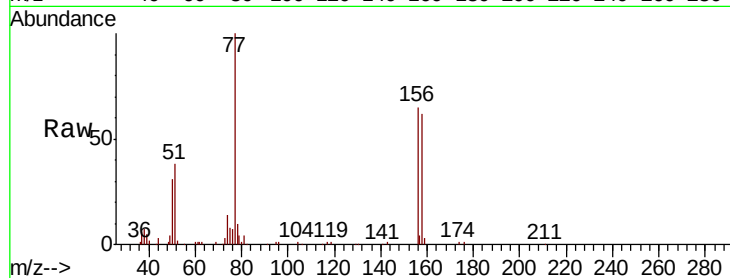
#77
Bromobenzene
Concen: 55.66 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.5	66.8	200.6	
158	96.3	49.7	149.1	

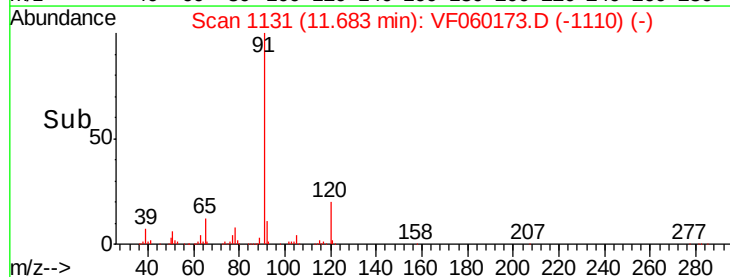
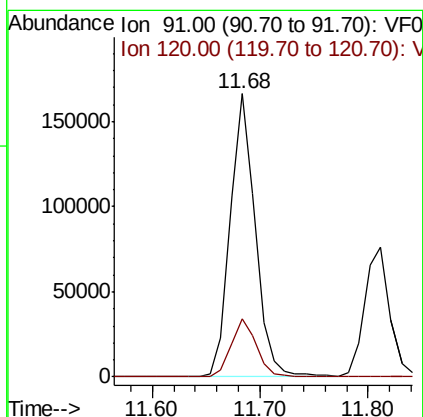
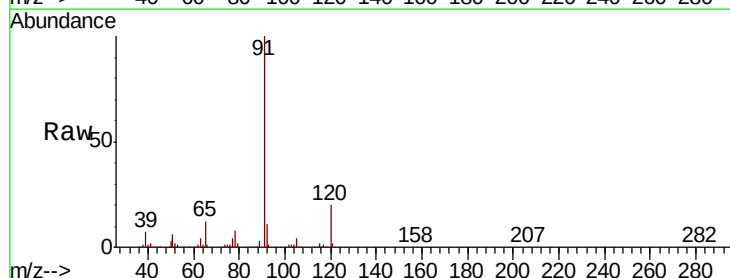
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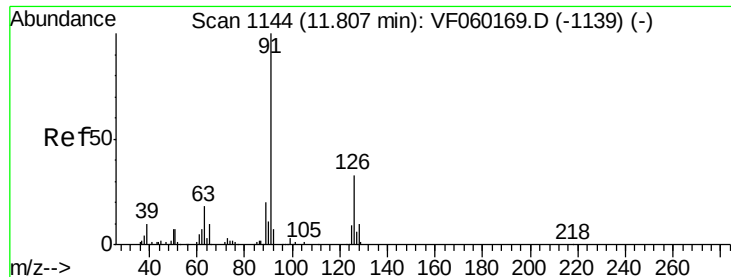
apatel
8/29/2018 2:02:15 PM



#78
n-propylbenzene
Concen: 56.67 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.4	10.8	32.3	





#79

2-Chlorotoluene

Concen: 54.92 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion: 91 Resp: 121127

Ion Ratio Lower Upper

91 100

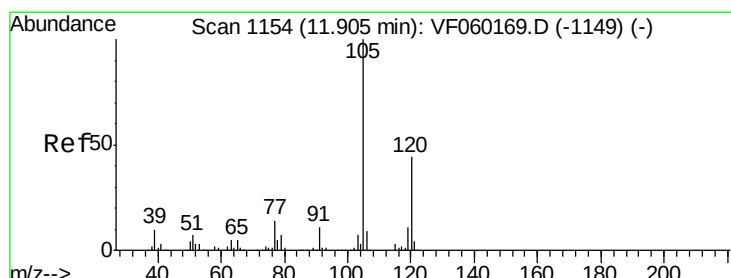
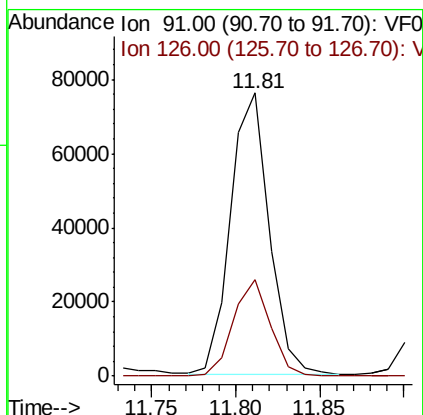
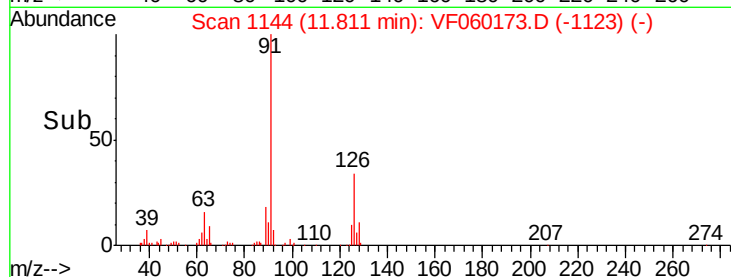
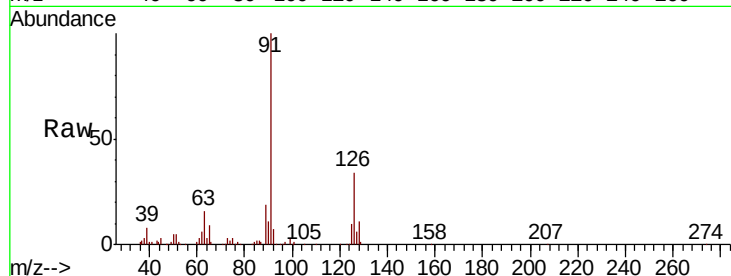
126 33.9 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 55.81 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF060173.D

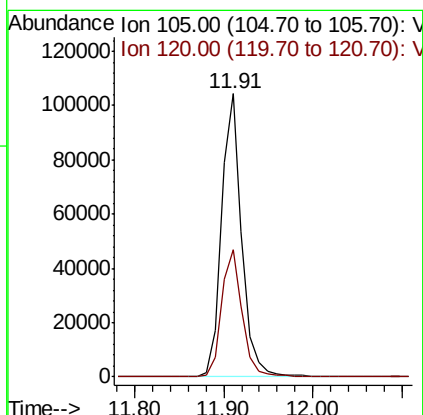
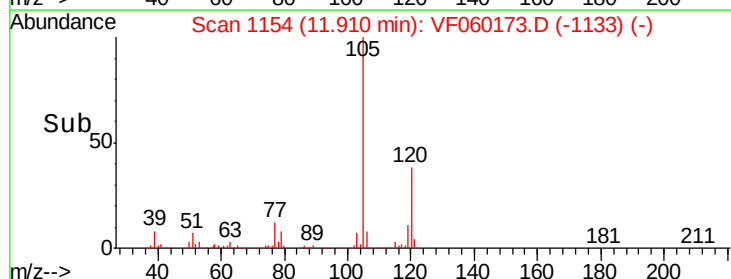
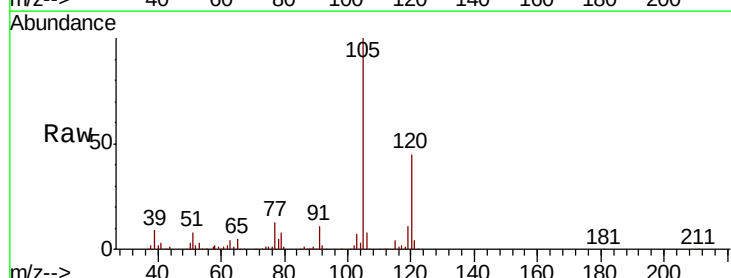
Acq: 29 Aug 2018 3:43

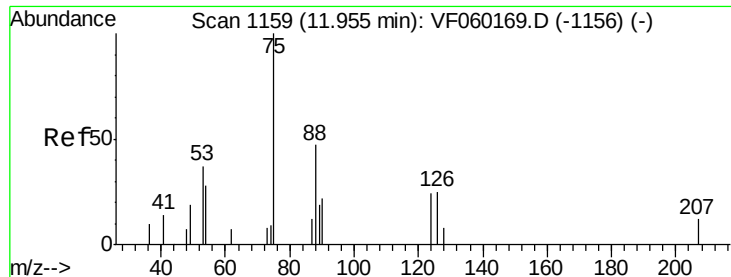
Tgt Ion: 105 Resp: 166747

Ion Ratio Lower Upper

105 100

120 45.2 22.1 66.1





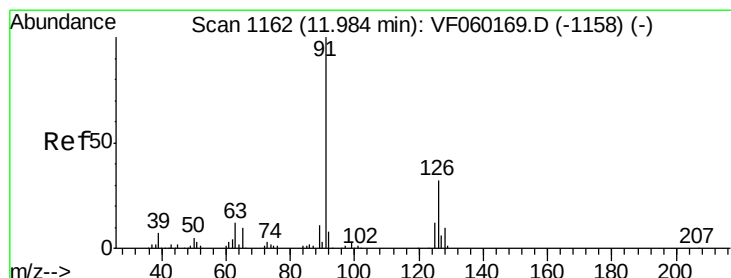
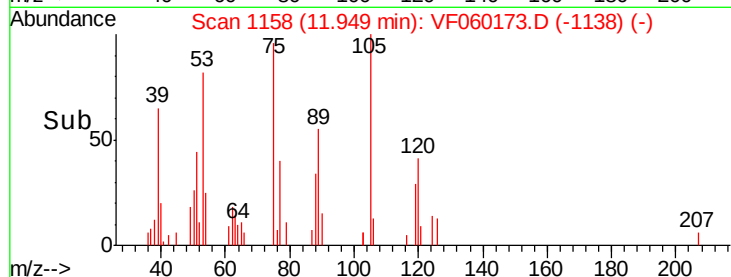
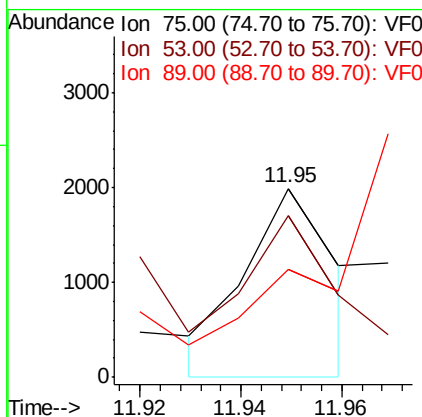
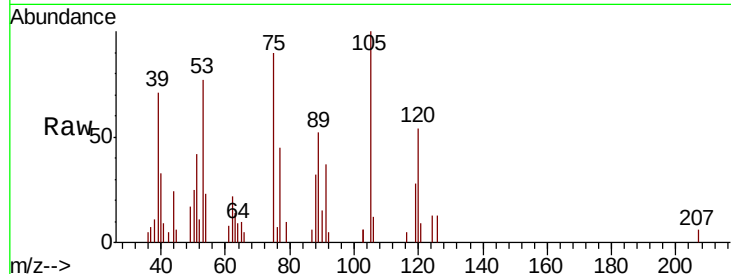
#81
trans-1,4-Dichloro-2-butene
Concen: 40.08 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion: 75 Resp: 2442
Ion Ratio Lower Upper
75 100
53 85.5 53.4 80.0#
89 57.1 28.9 43.3#

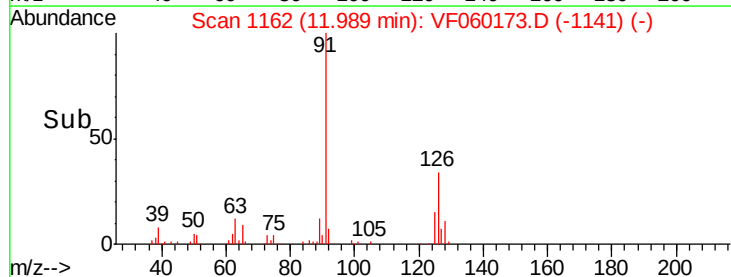
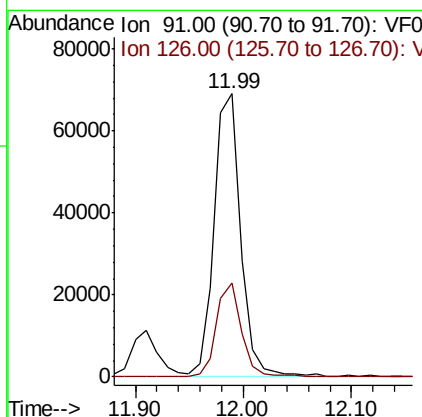
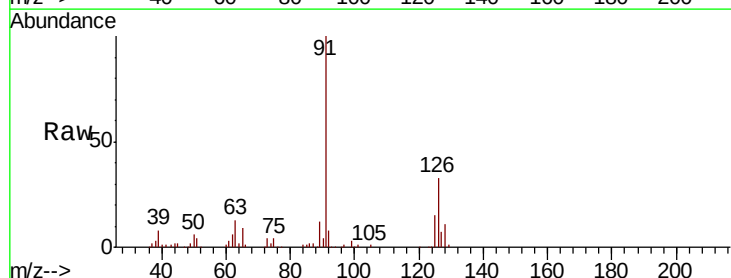
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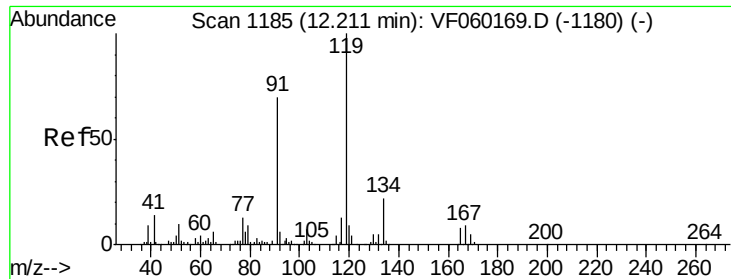
apatel
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#82
4-Chlorotoluene
Concen: 53.55 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion: 91 Resp: 115856
Ion Ratio Lower Upper
91 100
126 33.4 16.1 48.2





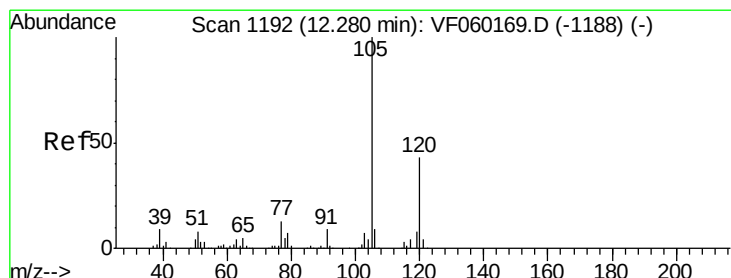
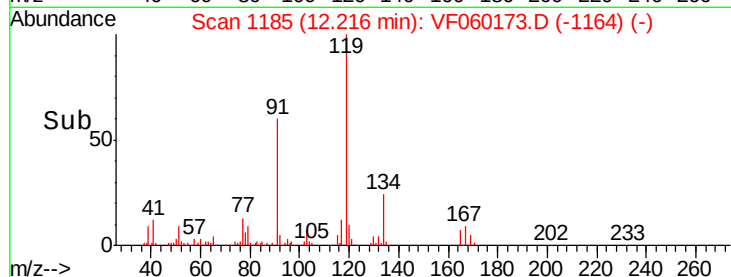
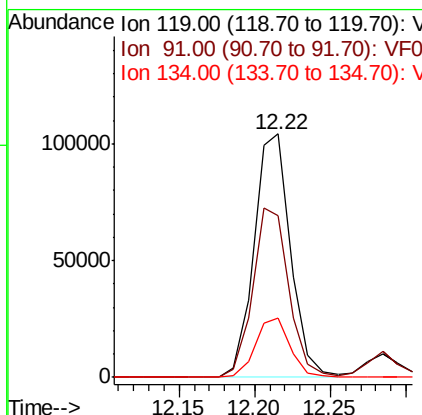
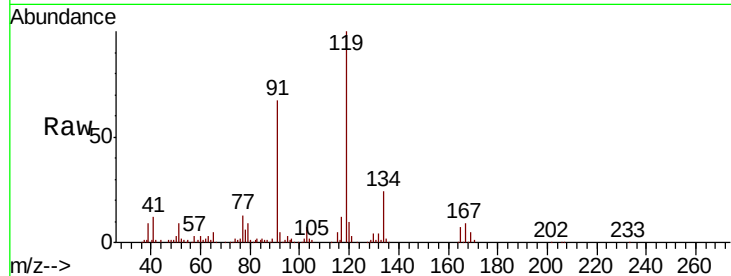
#83
 tert-Butylbenzene
 Concen: 56.16 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082918

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	35.3	105.7
134	24.3	11.2	33.5

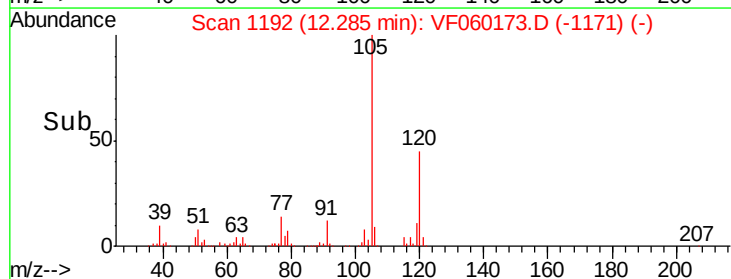
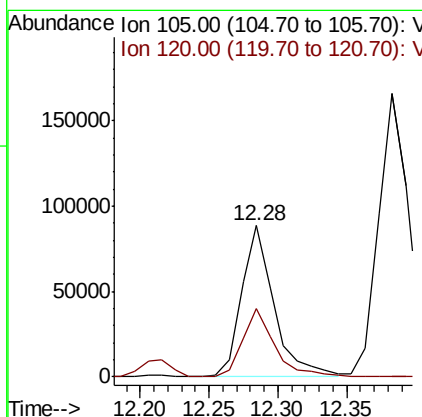
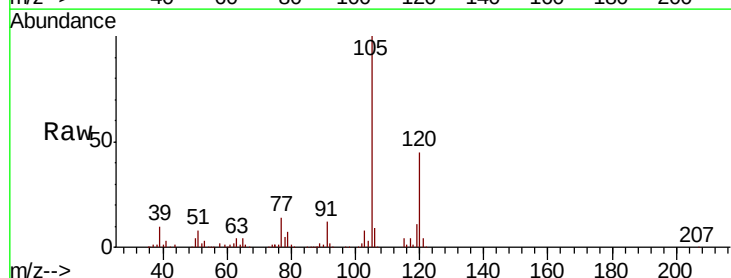
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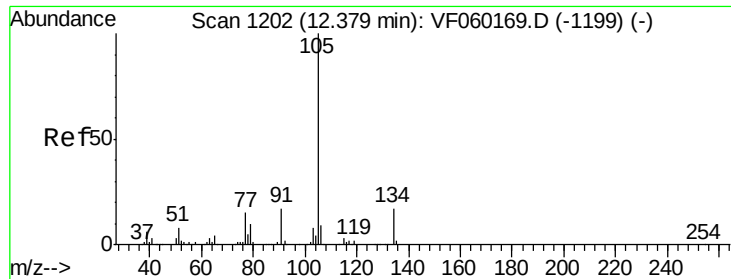
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.15 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	21.9	65.7





#85

sec-Butylbenzene

Concen: 56.18 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082918

Tot Ion:105 Resp: 263317

Ion Ratio Lower Upper

105 100

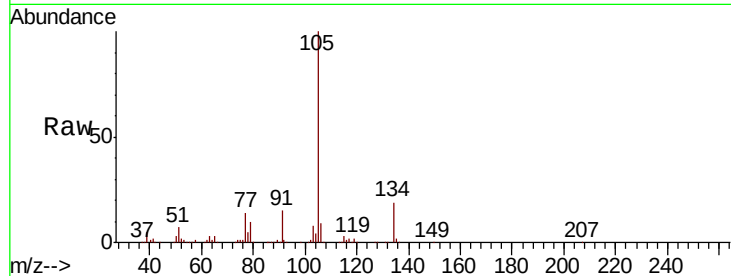
134 18.9 8.4 25.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

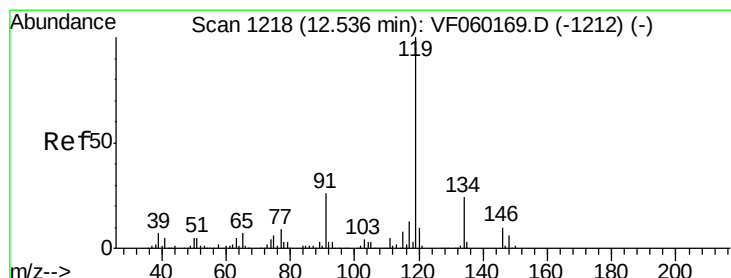
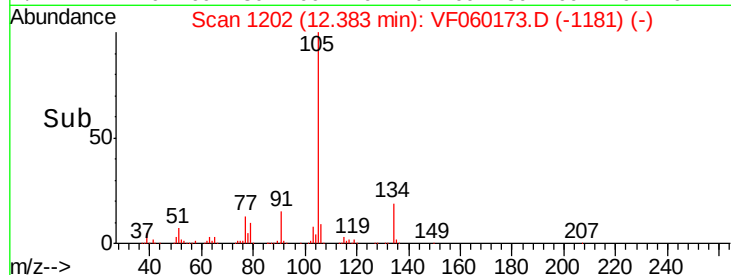
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.86 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

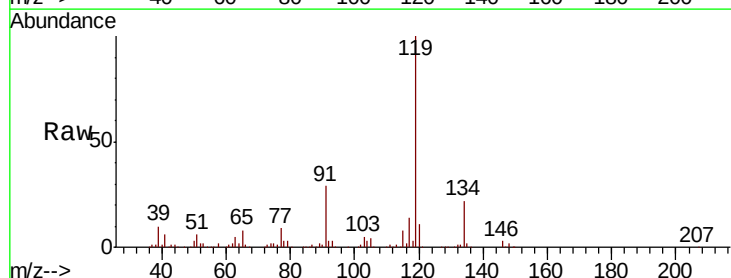
Tgt Ion:119 Resp: 194284

Ion Ratio Lower Upper

119 100

134 22.4 11.9 35.9

91 29.3 13.0 39.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.53

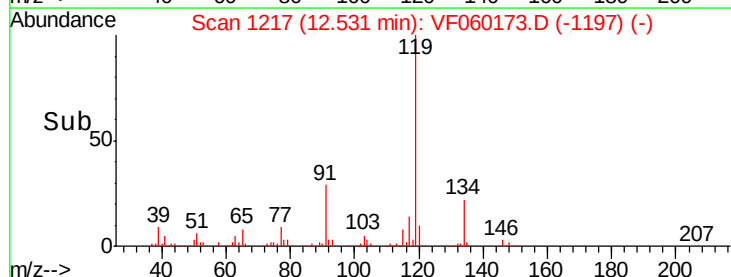
150000

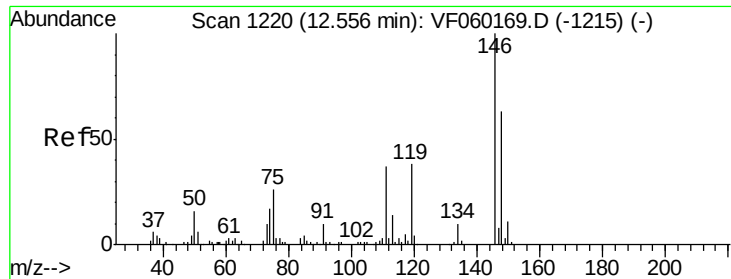
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.99 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Instrument :

MSVOA_F

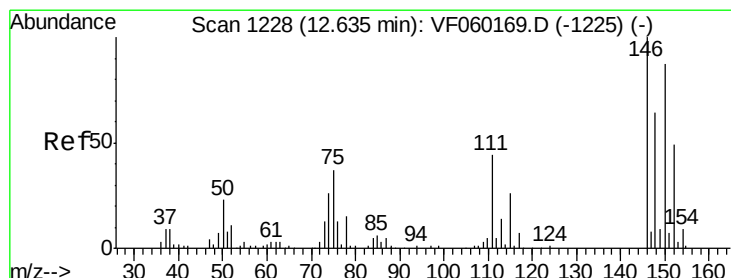
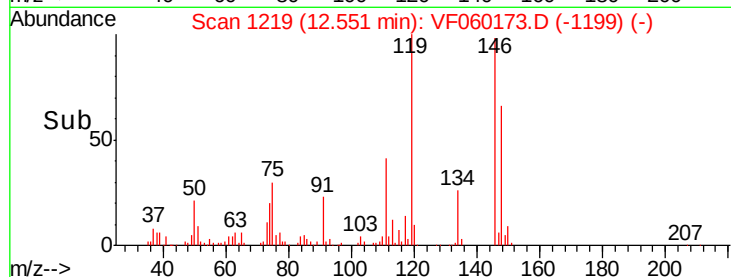
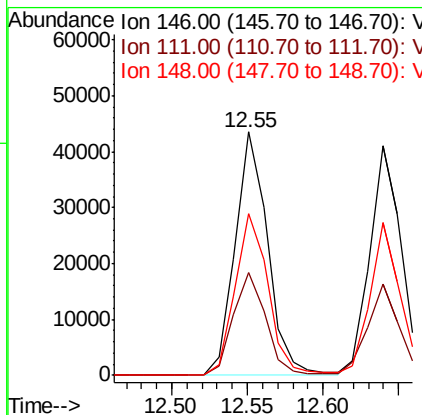
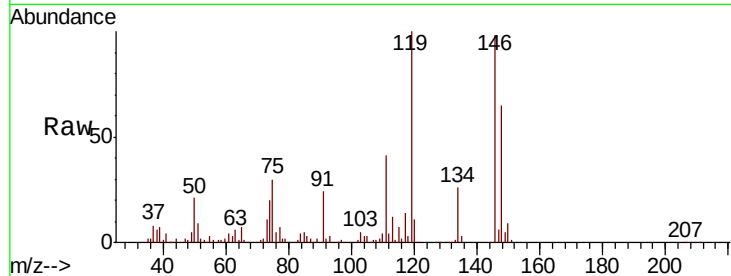
ClientSampleId :

ICVVF082918

Tot Ion:	146	Resp:	65045
Ion Ratio	Lower	Upper	
146	100		
111	42.1	18.8	56.3
148	66.6	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 55.27 ug/l

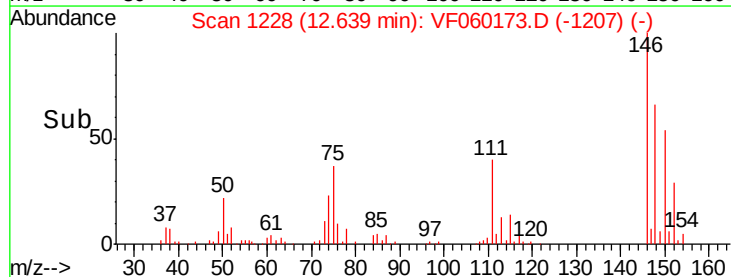
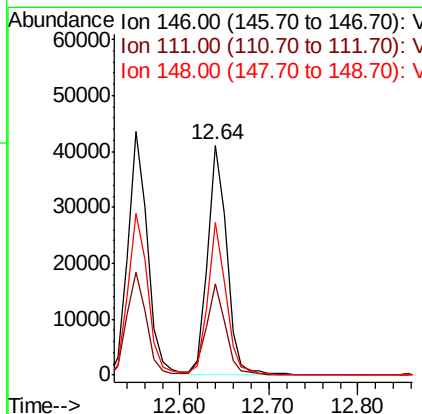
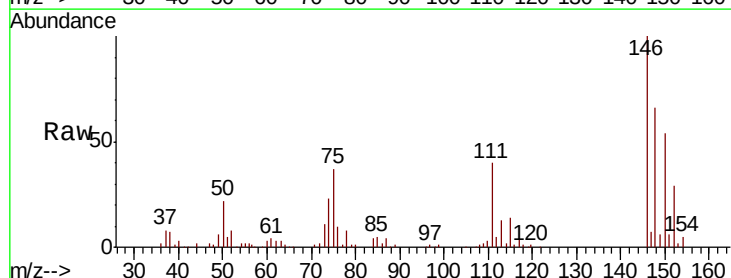
RT: 12.64 min Scan# 1228

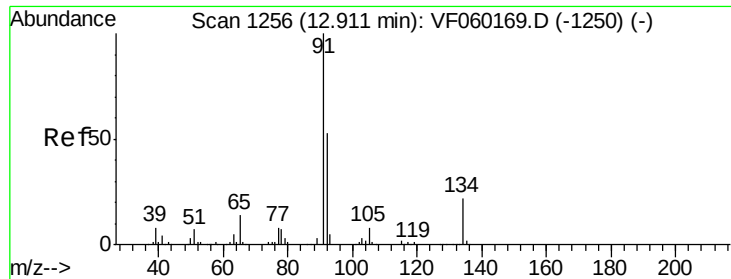
Delta R.T. 0.00 min

Lab File: VF060173.D

Acq: 29 Aug 2018 3:43

Tgt Ion:	146	Resp:	61182
Ion Ratio	Lower	Upper	
146	100		
111	39.9	22.1	66.3
148	66.3	32.0	96.2





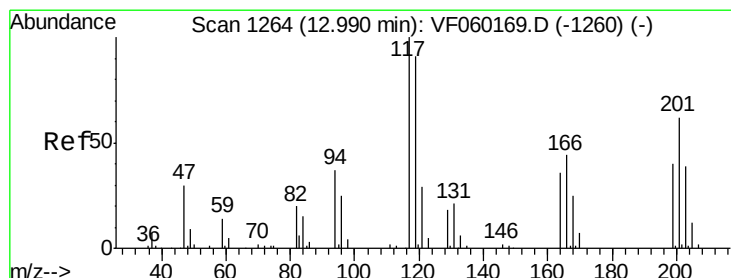
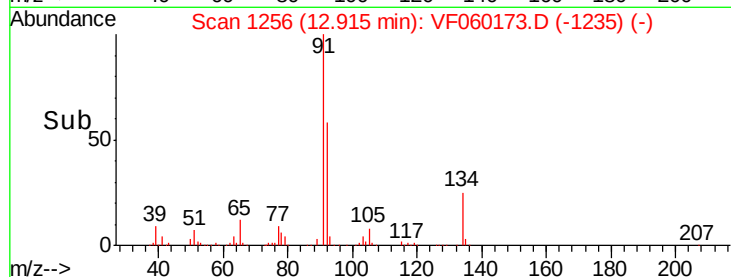
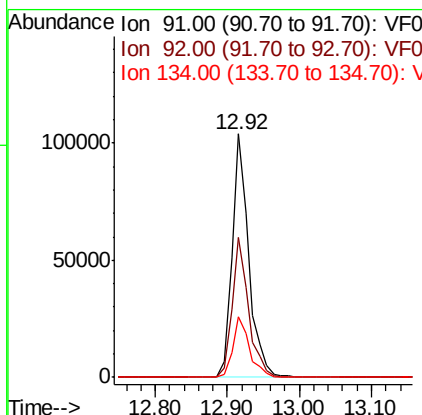
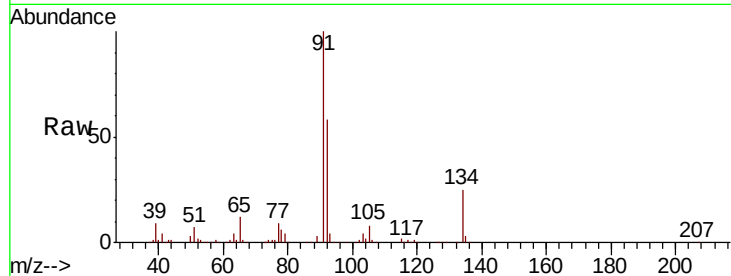
#89
n-Butylbenzene
Concen: 49.37 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Resp	Lower	Upper
91	100	166602		
92	57.5	26.7	80.0	
134	24.7	11.0	33.0	

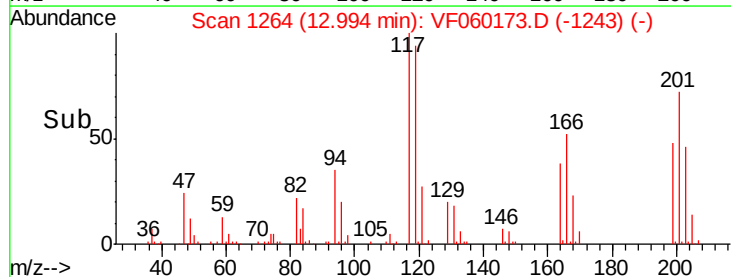
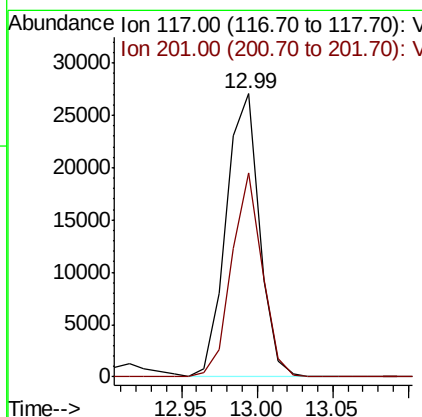
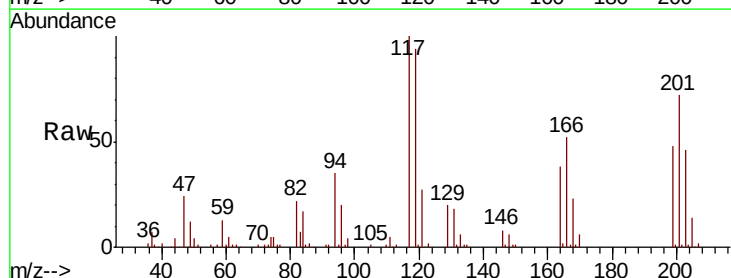
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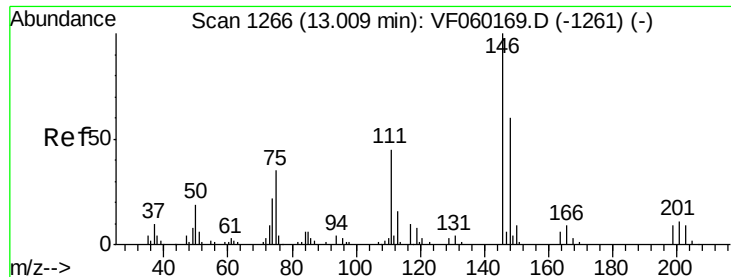
apatel
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#90
Hexachloroethane
Concen: 55.47 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41383		
201	73.4	32.0	96.2	





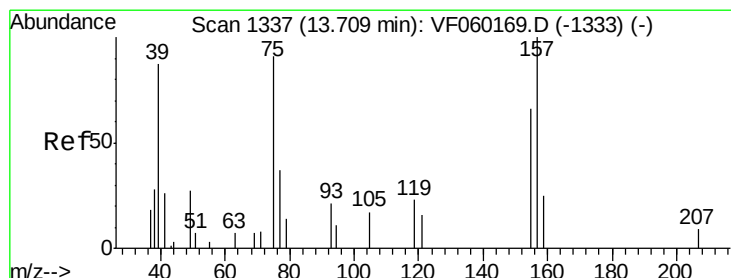
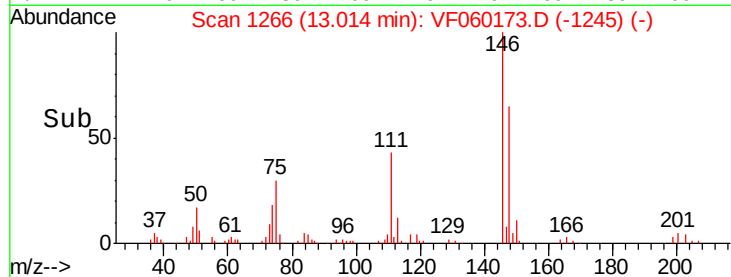
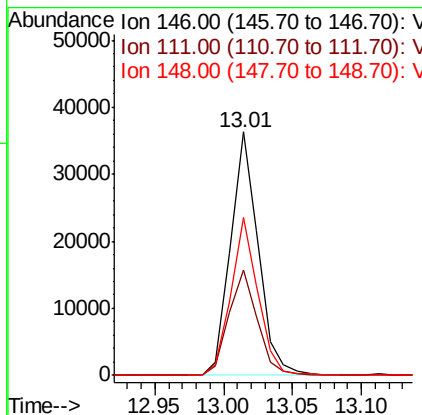
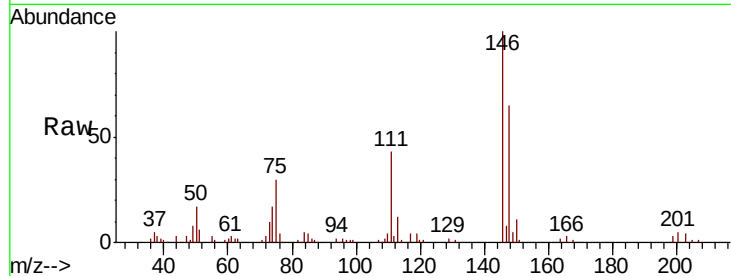
#91
 1,2-Dichlorobenzene
 Concen: 53.50 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082918

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.2	22.7	68.1	
148	64.8	30.0	90.1	

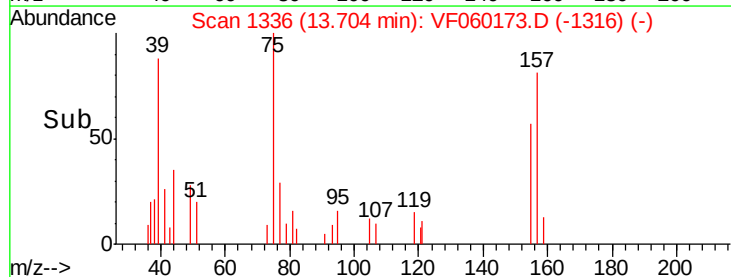
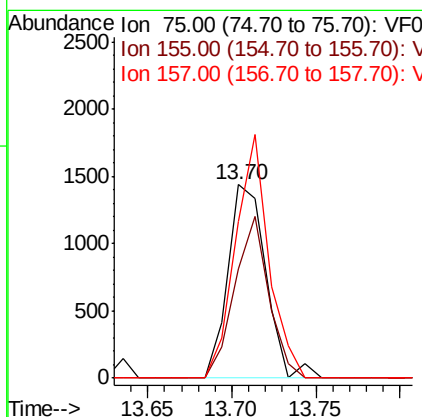
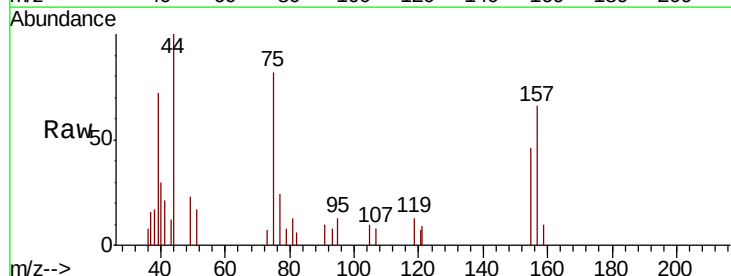
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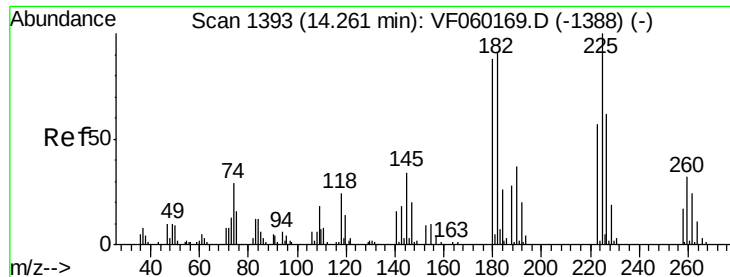
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.60 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	56.5	36.0	108.0	
157	80.8	54.9	164.5	





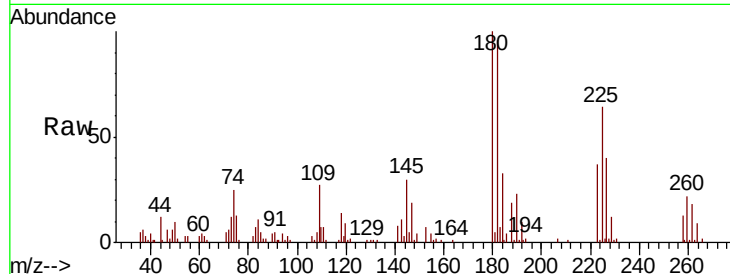
#93
 1,2,4-Trichlorobenzene
 Concen: 48.43 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV082918

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	51.8	155.5	
145	30.0	19.3	57.9	

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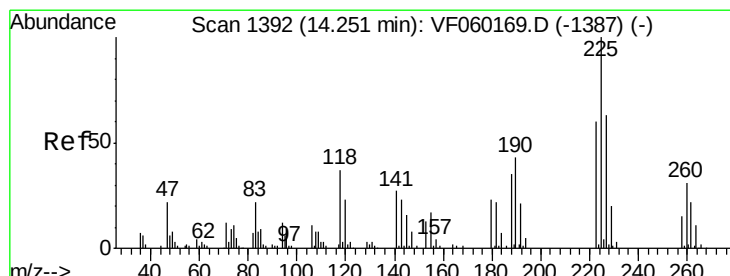
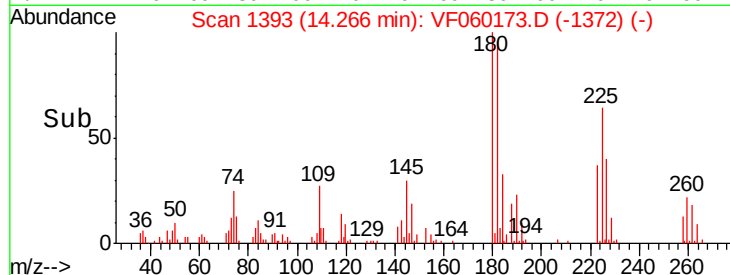
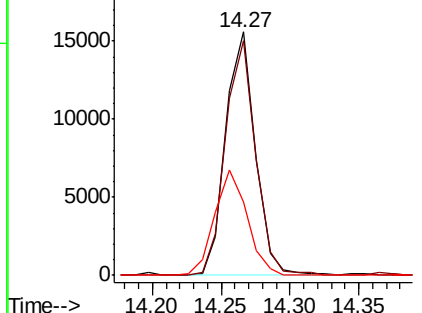


Abundance

Ion 180.00 (179.70 to 180.70): V

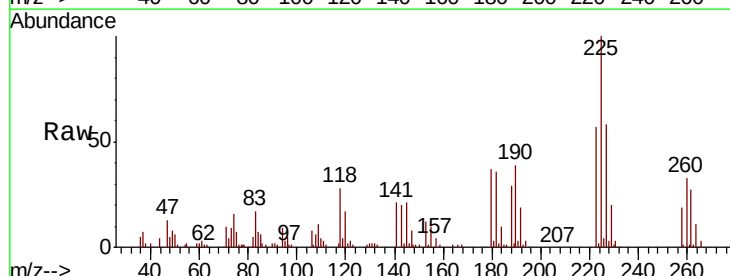
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 54.75 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF060173.D
 Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	58.7	30.0	90.0	
227	57.8	31.4	94.2	

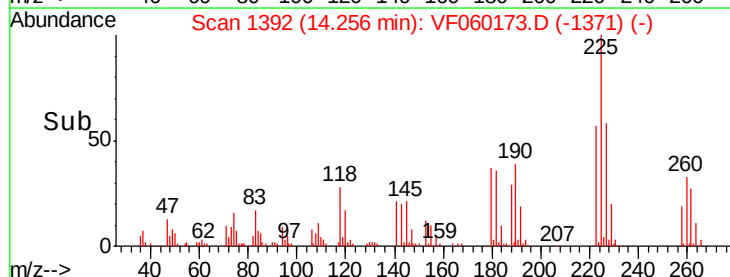
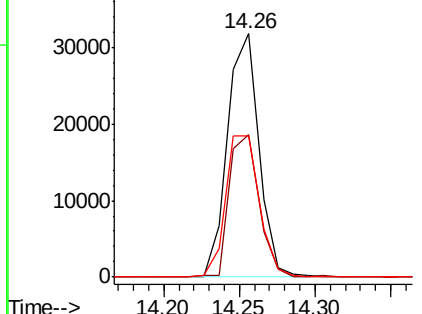


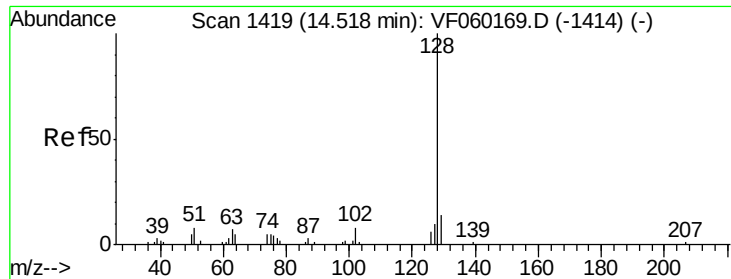
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





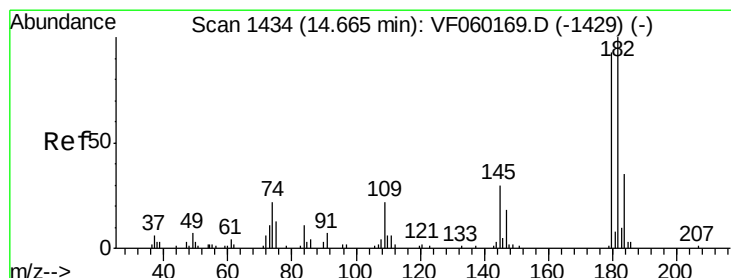
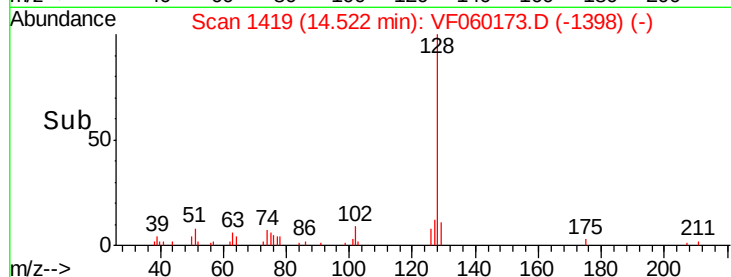
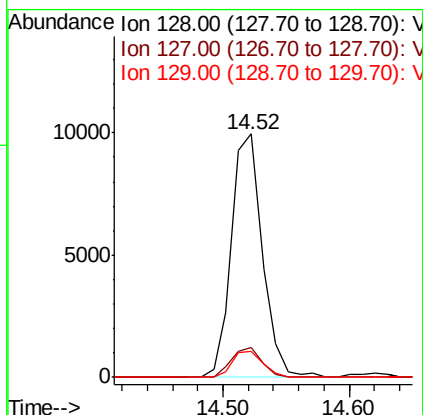
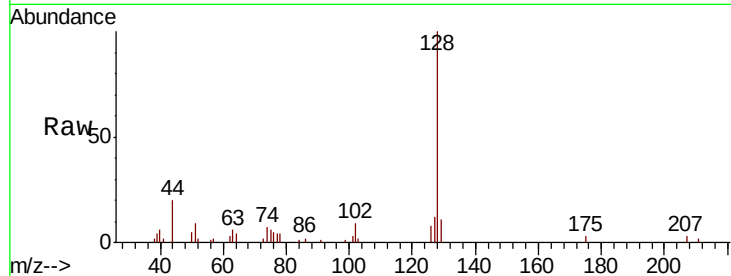
#95
Naphthalene
Concen: 43.53 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082918

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.4	8.3	12.5
129	10.6	11.5	17.3#

Manual Integrations
APPROVED

apatel
8/29/2018 2:02:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.21 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF060173.D
Acq: 29 Aug 2018 3:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	92.5	53.6	160.8
145	33.5	16.2	48.6

