

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060030.D
 Acq On : 21 Aug 2018 20:42
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF082118

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:24:21 AM

Quant Time: Aug 22 04:52:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	220156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	343097	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	334025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	203669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	146428	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	4.31	113	129546	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	7.72	98	361151	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.52	95	189831	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	129208	44.58	ug/l	93
3) Chloromethane	1.07	50	100873	53.91	ug/l	94
4) Vinyl Chloride	1.12	62	84365	46.88	ug/l	94
5) Bromomethane	1.32	94	64676	47.29	ug/l	89
6) Chloroethane	1.40	64	34377	48.46	ug/l	98
7) Trichlorofluoromethane	1.49	101	188264	52.02	ug/l	100
8) Diethyl Ether	1.70	74	32804	50.70	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.86	101	93278	49.11	ug/l	98
10) Methyl Iodide	1.93	142	130733	52.05	ug/l	99
11) Tert butyl alcohol	2.69	59	40634	253.50	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	66197	47.30	ug/l	96
13) Acrolein	2.10	56	23425	240.34	ug/l	93
14) Allyl chloride	2.20	41	123519	49.70	ug/l	97
15) Acrylonitrile	3.08	53	75829	239.72	ug/l	96
16) Acetone	2.34	43	178115	224.92	ug/l	95
17) Carbon Disulfide	1.84	76	197394	45.05	ug/l	100
18) Methyl Acetate	2.46	43	67842	50.16	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	215289	48.01	ug/l	97
20) Methylene Chloride	2.28	84	79650	51.19	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	69695	44.51	ug/l	99
22) Diisopropyl ether	2.93	45	267681	48.09	ug/l	95
23) Vinyl Acetate	3.34	43	787432	267.06	ug/l	99
24) 1,1-Dichloroethane	3.01	63	165439	48.12	ug/l #	98
25) 2-Butanone	4.52	43	252949	245.91	ug/l	99
26) 2,2-Dichloropropane	3.77	77	170141	47.83	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	105150	47.39	ug/l	96
28) Bromochloromethane	3.90	49	63605	43.82	ug/l	84
29) Tetrahydrofuran	4.26	42	88191	227.08	ug/l	96
30) Chloroform	4.05	83	231628	47.99	ug/l	93
31) Cyclohexane	3.87	56	121890	46.53	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	200043	48.40	ug/l	96
36) 1,1-Dichloropropene	4.47	75	155076	48.10	ug/l	96
37) Ethyl Acetate	4.30	43	93374	48.42	ug/l	87
38) Carbon Tetrachloride	4.18	117	176955	47.40	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	140364	46.43	ug/l	85
40) Benzene	4.82	78	321820	45.69	ug/l	99
41) Methacrylonitrile	4.94	41	47193	48.39	ug/l	89
42) 1,2-Dichloroethane	5.13	62	172840	45.77	ug/l	99
43) Isopropyl Acetate	7.12	43	125424	51.68	ug/l #	97
44) Trichloroethene	5.69	130	110320	47.38	ug/l	95
45) 1,2-Dichloropropane	6.41	63	99711	50.05	ug/l	96
46) Dibromomethane	6.27	93	76475	49.06	ug/l	93
47) Bromodichloromethane	6.56	83	181970	48.33	ug/l	98
48) Methyl methacrylate	6.89	41	78822	49.08	ug/l	94
49) 1,4-Dioxane	6.88	88	16749	1086.41	ug/l	94
51) 4-Methyl-2-Pentanone	8.42	43	546587	260.80	ug/l	97
52) Toluene	7.79	92	232289	51.41	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	169229	49.56	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	193273	50.71	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	96873	50.97	ug/l	98
56) Ethyl methacrylate	8.77	69	119101	51.78	ug/l	93
57) 1,3-Dichloropropane	9.01	76	164320	49.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	41030	224.71	ug/l	100
59) 2-Hexanone	9.64	43	410200	241.83	ug/l	98
60) Dibromochloromethane	8.88	129	142161	50.67	ug/l	99
61) 1,2-Dibromoethane	9.15	107	108752	48.73	ug/l	98
64) Tetrachloroethene	8.32	164	111735	49.66	ug/l	98
65) Chlorobenzene	9.95	112	312175	49.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	115767	48.39	ug/l	97
67) Ethyl Benzene	10.05	91	528871	48.59	ug/l	99
68) m/p-Xylenes	10.28	106	405172	115.60	ug/l	98
69) o-Xylene	10.84	106	222540	52.19	ug/l	97
70) Styrene	10.91	104	340021	51.98	ug/l	97
71) Bromoform	10.90	173	91036	54.54	ug/l	99
73) Isopropylbenzene	11.24	105	620224	50.59	ug/l	99
74) N-amyl acetate	11.47	43	210249	55.17	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.80	83	137796	51.47	ug/l	99
76) 1,2,3-Trichloropropane	11.90	75	104299	50.23	ug/l	99
77) Bromobenzene	11.60	156	167954	50.37	ug/l	86
78) n-propylbenzene	11.70	91	764983	50.56	ug/l	97
79) 2-Chlorotoluene	11.83	91	424242	47.68	ug/l	93
80) 1,3,5-Trimethylbenzene	11.93	105	537331	50.31	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	48824m	51.39	ug/l	
82) 4-Chlorotoluene	11.99	91	471034	48.76	ug/l	98
83) tert-Butylbenzene	12.22	119	524540	50.35	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	551347	48.56	ug/l	98
85) sec-Butylbenzene	12.40	105	717812	49.50	ug/l	100
86) p-Isopropyltoluene	12.55	119	605077	50.29	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	303285	49.20	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	301356	49.19	ug/l	98
89) n-Butylbenzene	12.93	91	624823	53.45	ug/l	99
90) Hexachloroethane	13.00	117	139638	51.65	ug/l	80
91) 1,2-Dichlorobenzene	13.03	146	294227	49.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	29766	54.40	ug/l	82

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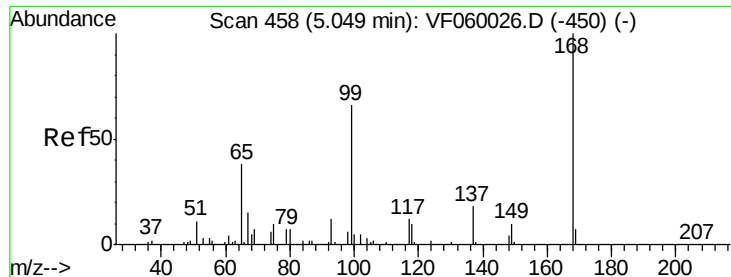
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	226534	51.89	ug/l	97
94) Hexachlorobutadiene	14.26	225	139266	51.25	ug/l	98
95) Naphthalene	14.53	128	397658	52.38	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	219101	52.60	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion:168 Resp: 220156

Ion Ratio Lower Upper

168 100

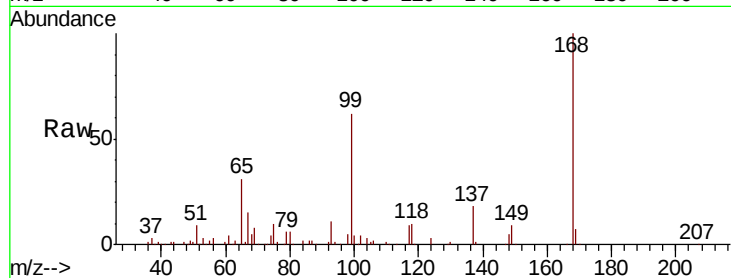
99 61.5 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

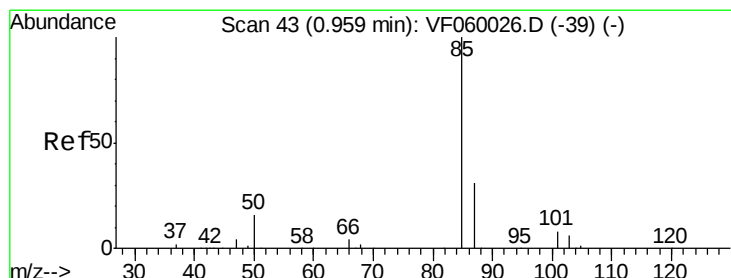
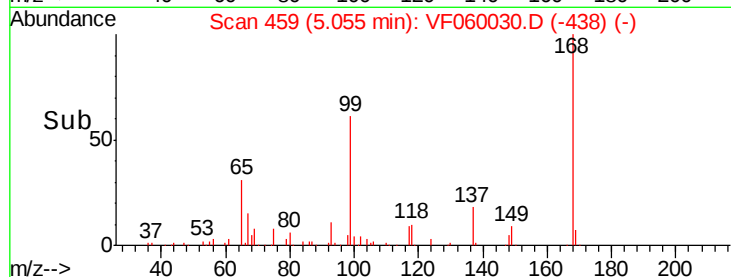
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.58 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF060030.D

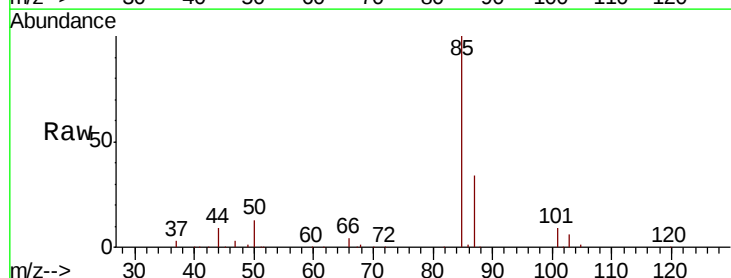
Acq: 21 Aug 2018 20:42

Tgt Ion: 85 Resp: 129208

Ion Ratio Lower Upper

85 100

87 34.2 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

80000

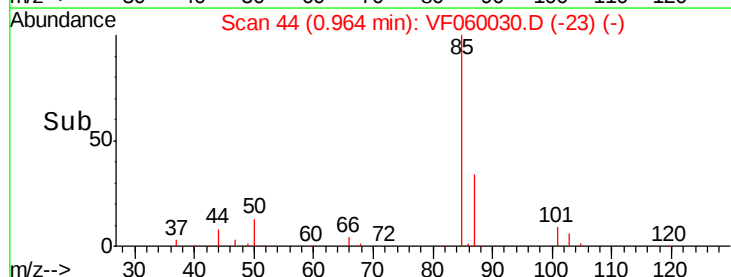
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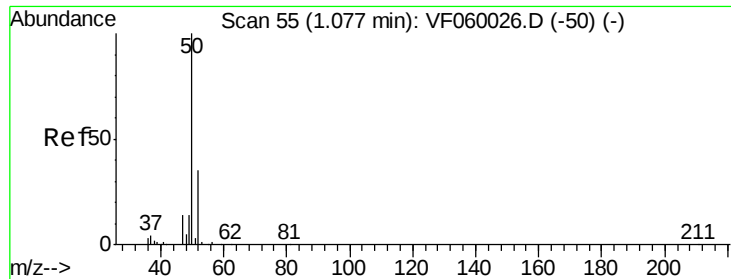
40000

20000

0

Time-->





#3

Chloromethane

Concen: 53.91 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion: 50 Resp: 100873

Ion Ratio Lower Upper

50 100

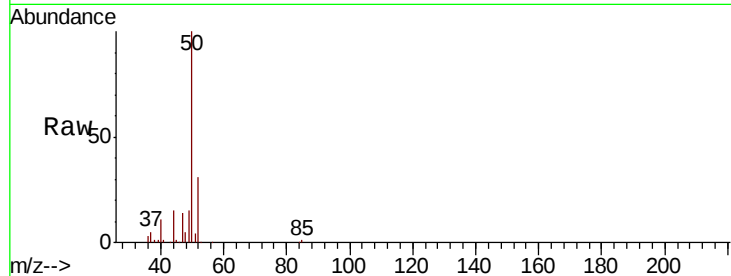
52 30.8 27.6 41.4

Manual Integrations

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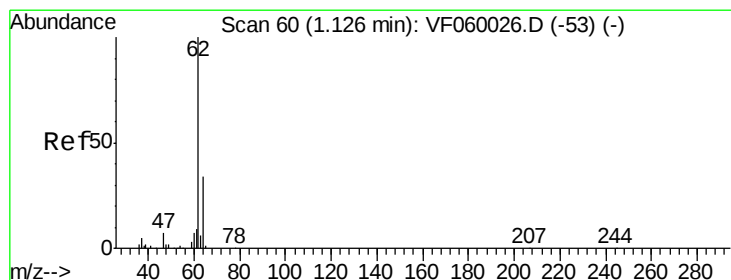
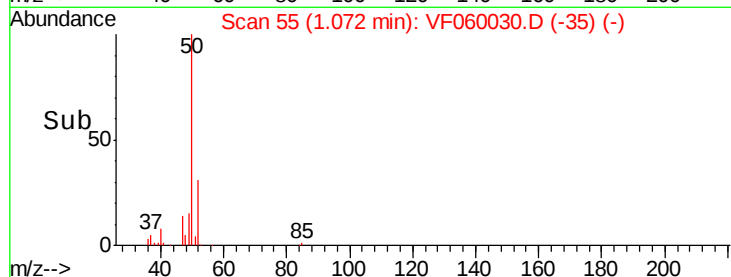
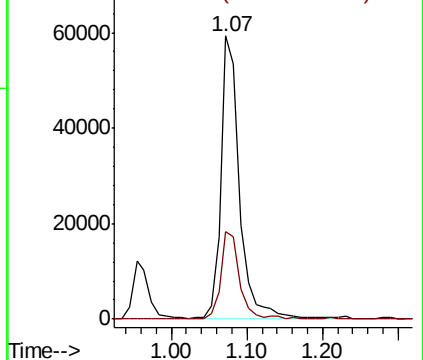
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 46.88 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060030.D

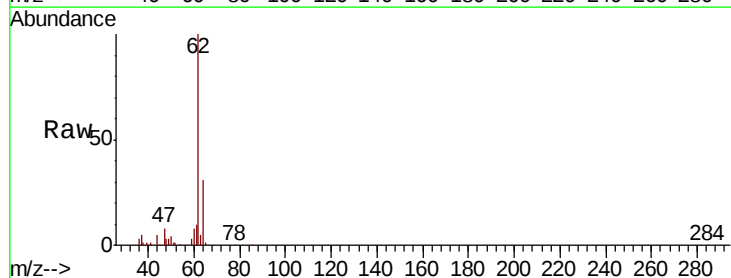
Acq: 21 Aug 2018 20:42

Tgt Ion: 62 Resp: 84365

Ion Ratio Lower Upper

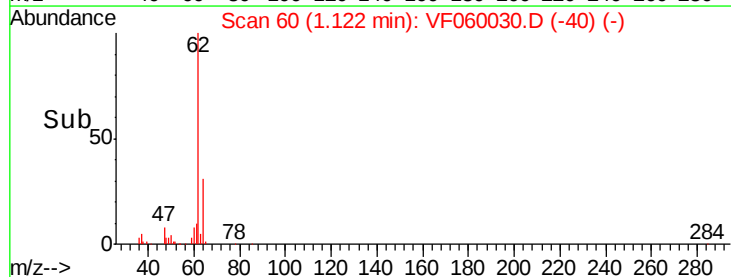
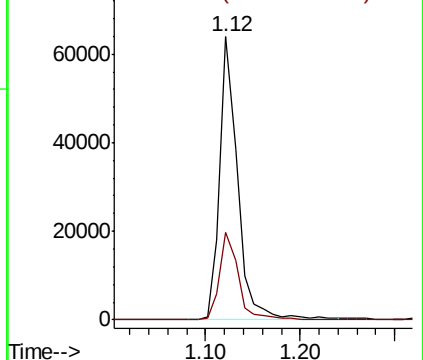
62 100

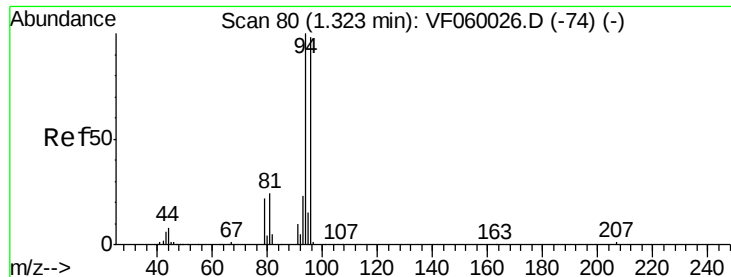
64 31.0 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 47.29 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

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Acq: 21 Aug 2018 20:42

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Tot Ion: 94 Resp: 64676

Ion Ratio Lower Upper

94 100

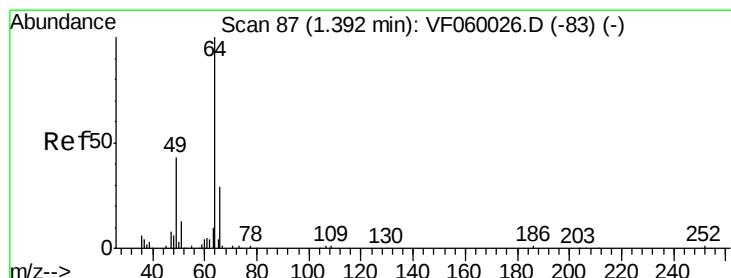
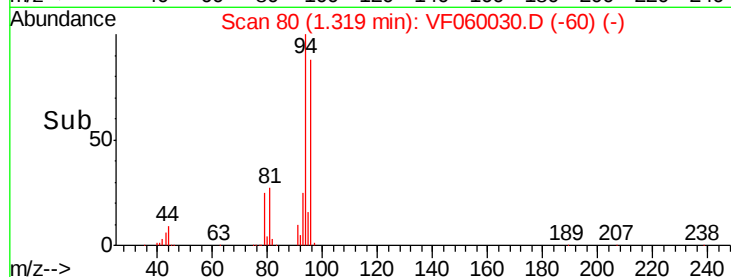
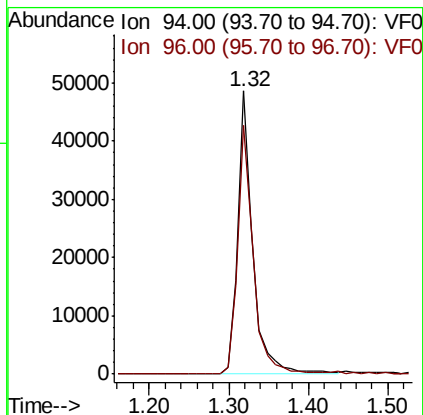
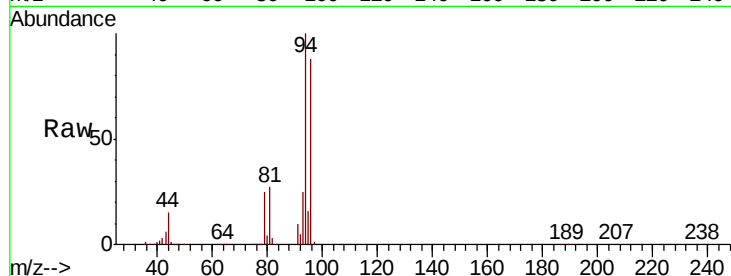
96 87.8 78.6 118.0

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#6

Chloroethane

Concen: 48.46 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060030.D

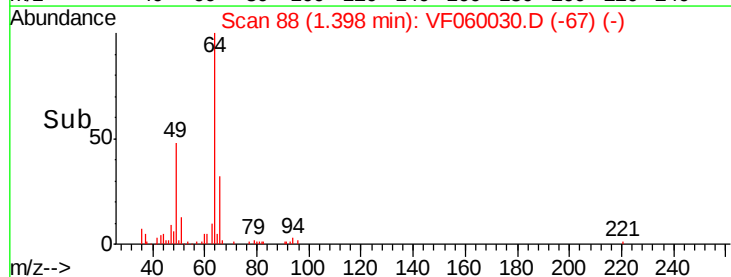
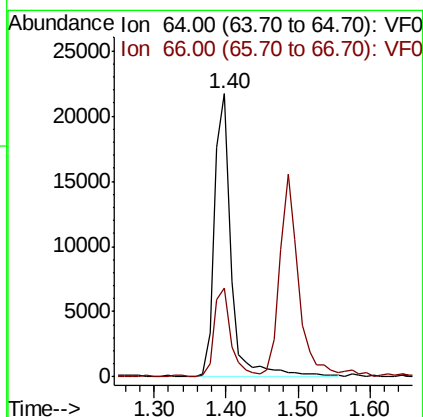
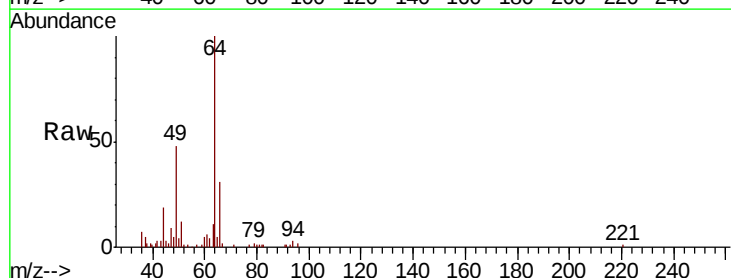
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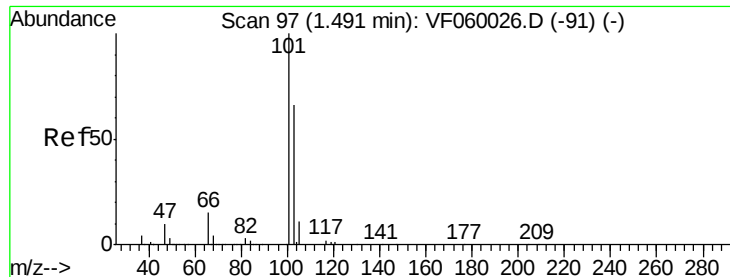
Tgt Ion: 64 Resp: 34377

Ion Ratio Lower Upper

64 100

66 31.3 24.1 36.1





#7

Trichlorofluoromethane

Concen: 52.02 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

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Tot Ion:101 Resp: 188264

Ion Ratio Lower Upper

101 100

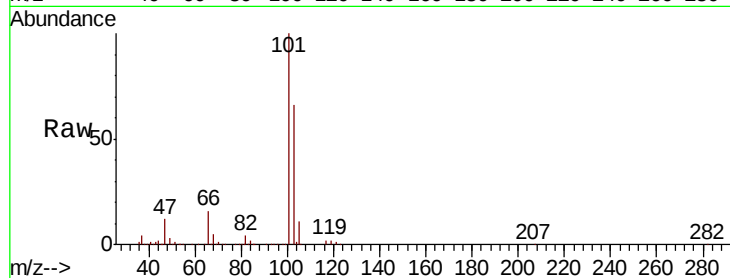
103 65.8 52.5 78.7

Manual Integrations

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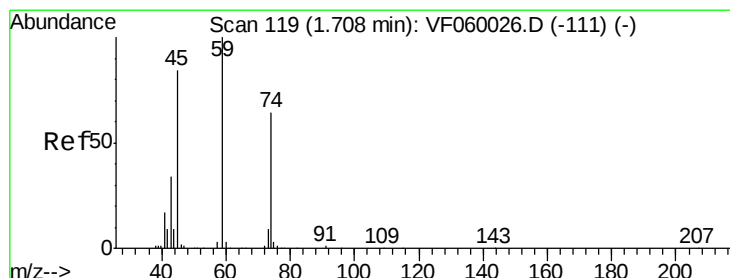
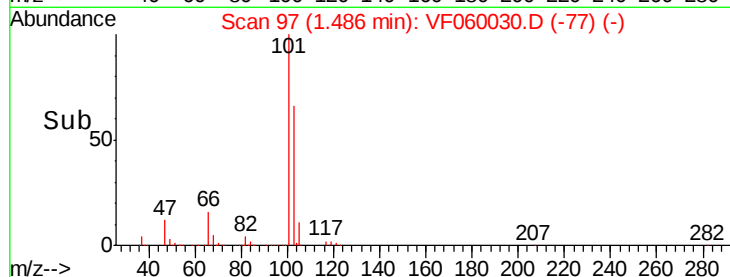
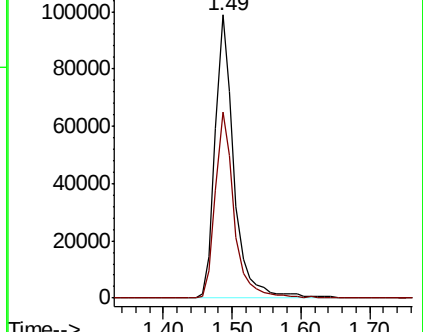
apatel

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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: 50.70 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF060030.D

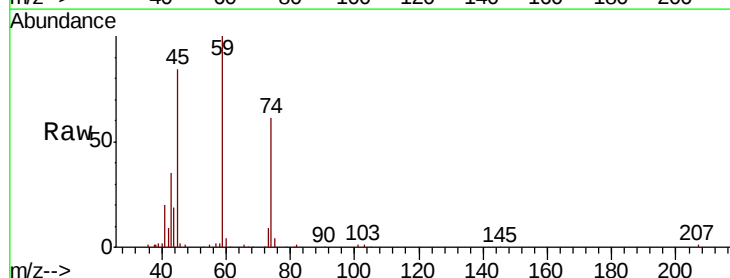
Acq: 21 Aug 2018 20:42

Tgt Ion: 74 Resp: 32804

Ion Ratio Lower Upper

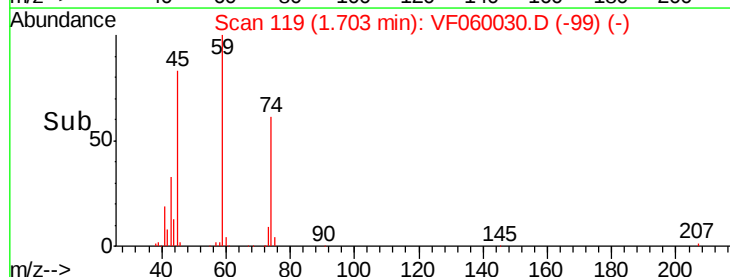
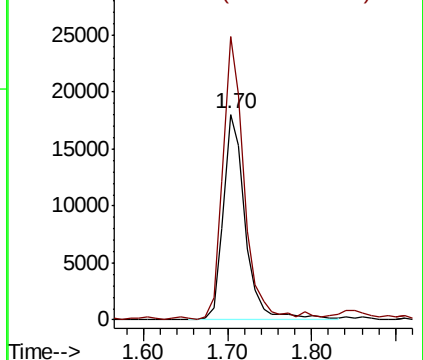
74 100

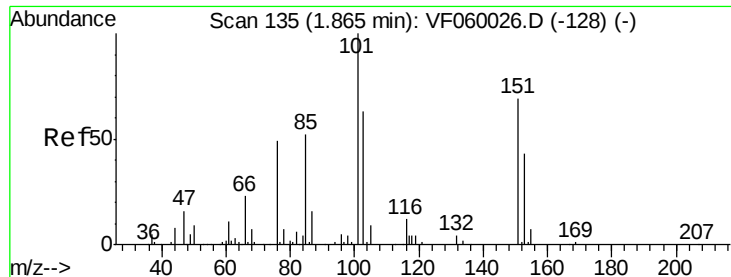
45 137.6 66.0 198.0



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: 49.11 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

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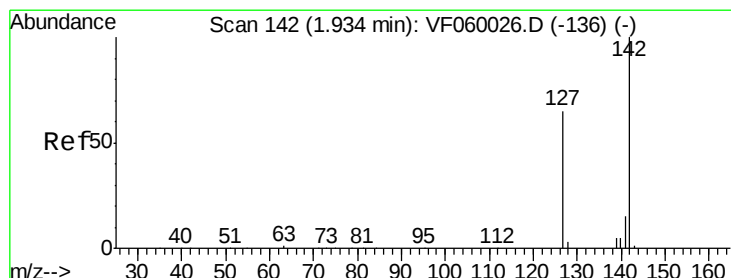
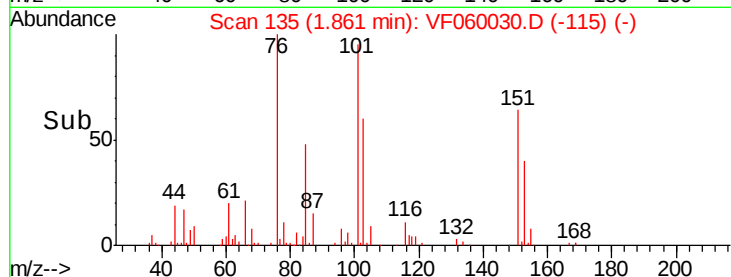
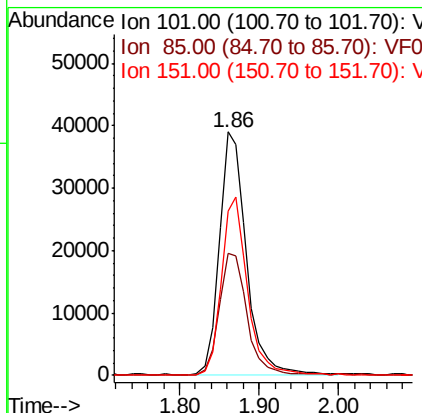
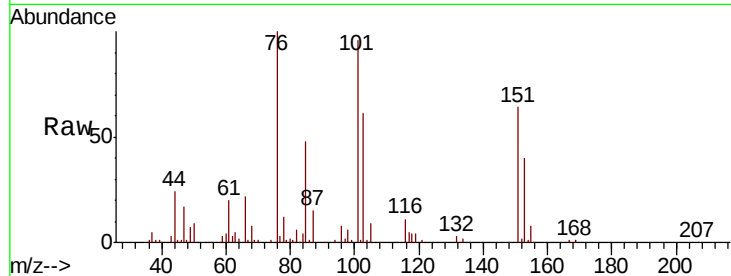
ClientSampleId :

ICVVF082118

Tot Ion:	101	Resp:	93278
Ion Ratio	Lower	Upper	
101	100		
85	49.9	41.5	62.3
151	67.3	55.2	82.8

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#10

Methyl Iodide

Concen: 52.05 ug/l

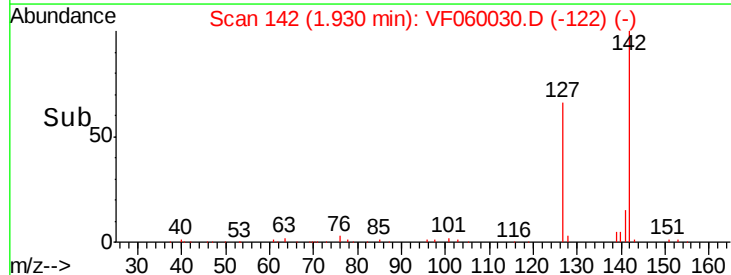
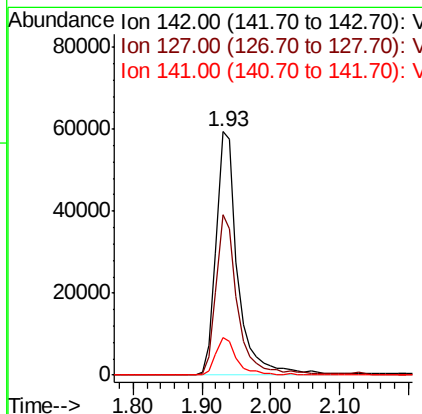
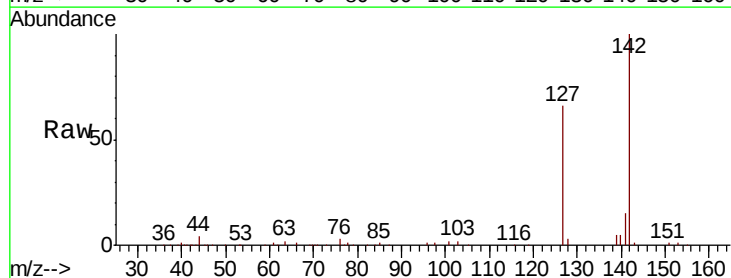
RT: 1.93 min Scan# 142

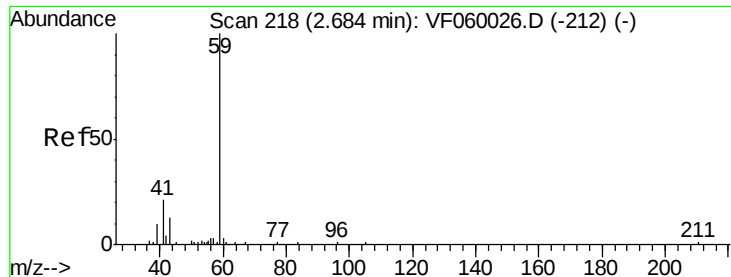
Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	142	Resp:	130733
Ion Ratio	Lower	Upper	
142	100		
127	66.0	51.8	77.6
141	15.2	11.9	17.9





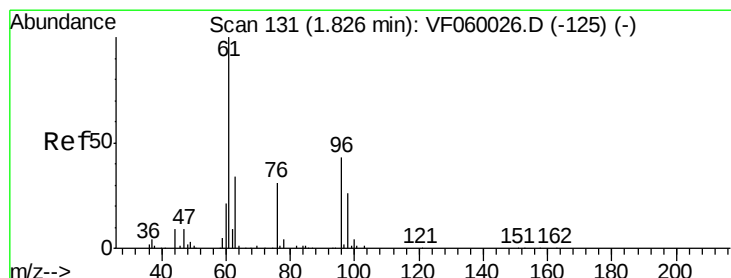
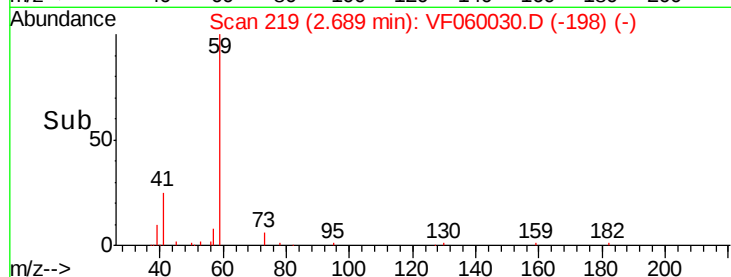
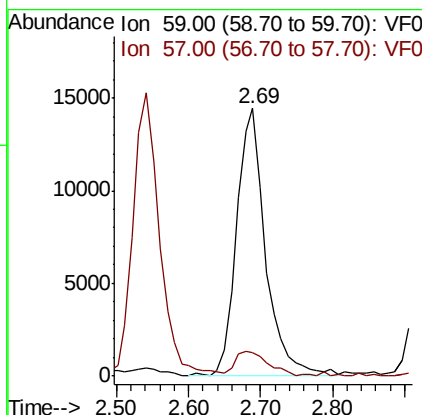
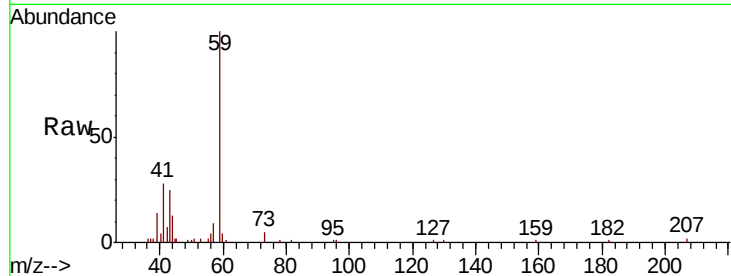
#11
Tert butyl alcohol
Concen: 253.50 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion: 59 Resp: 40634
Ion Ratio Lower Upper
59 100
57 8.9 5.4 8.2#

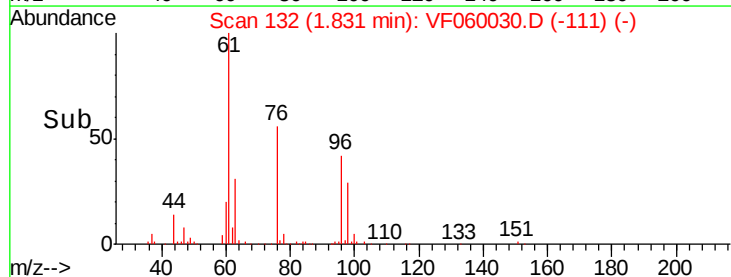
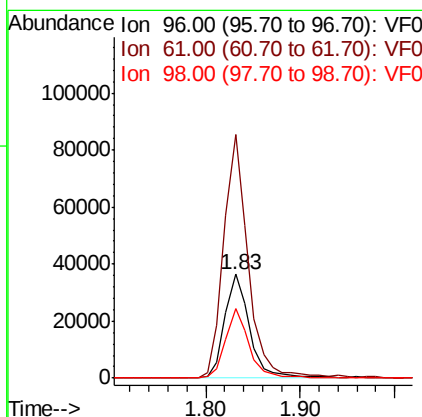
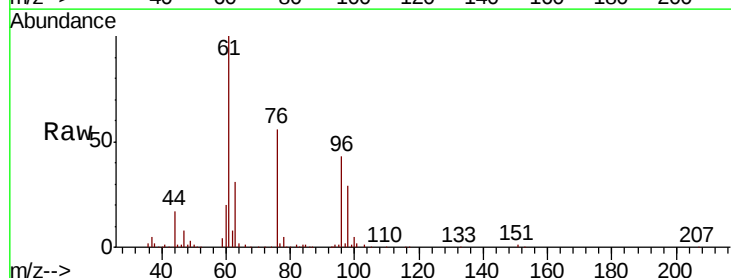
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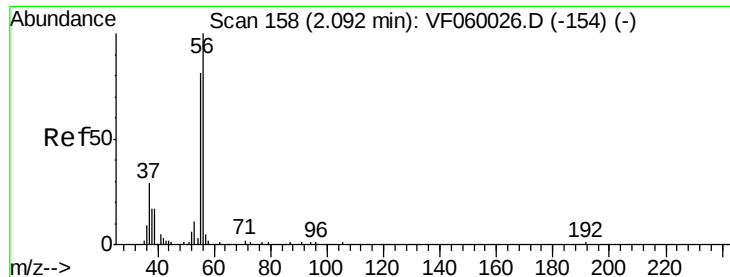
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#12
1,1-Dichloroethene
Concen: 47.30 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 96 Resp: 66197
Ion Ratio Lower Upper
96 100
61 235.3 185.0 277.6
98 67.1 47.8 71.8





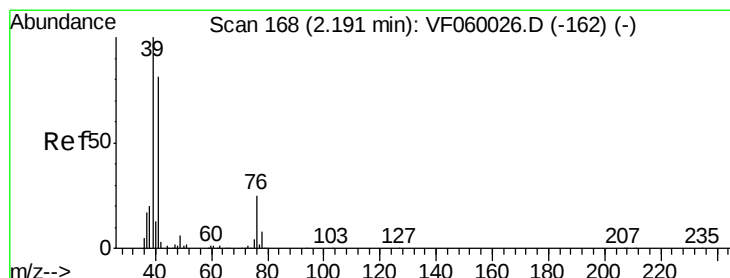
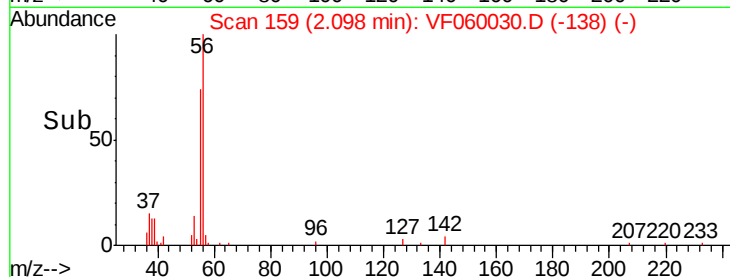
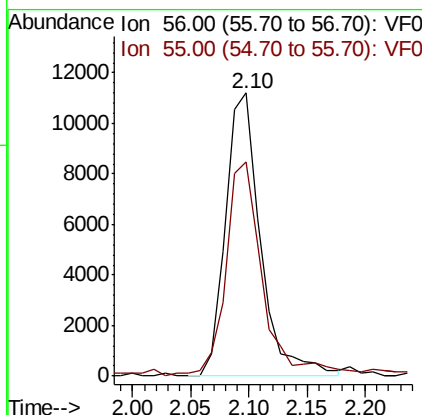
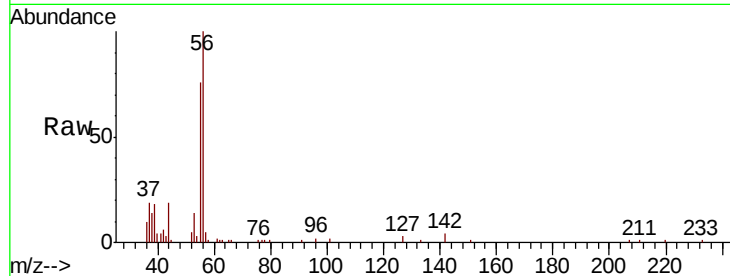
#13
Acrolein
Concen: 240.34 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.5	65.6	98.4

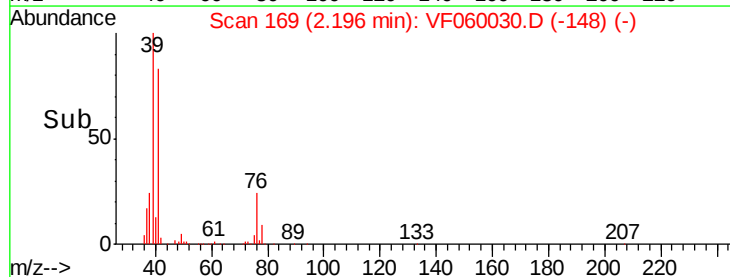
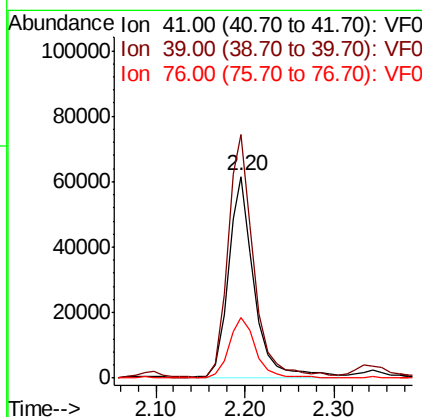
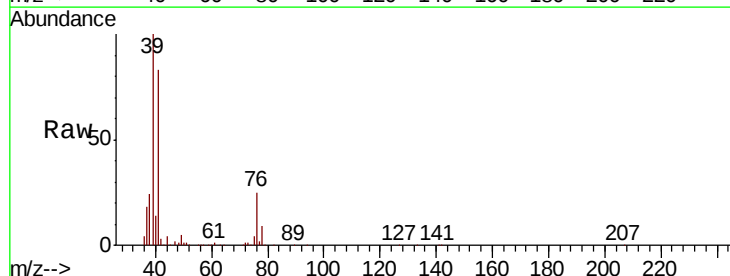
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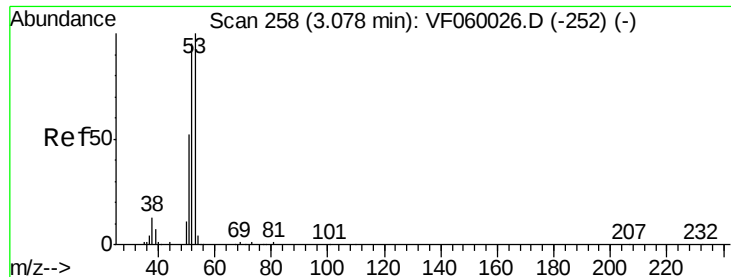
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#14
Allyl chloride
Concen: 49.70 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	120.7	99.3	148.9
76	29.8	24.3	36.5





#15

Acrylonitrile

Concen: 239.72 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

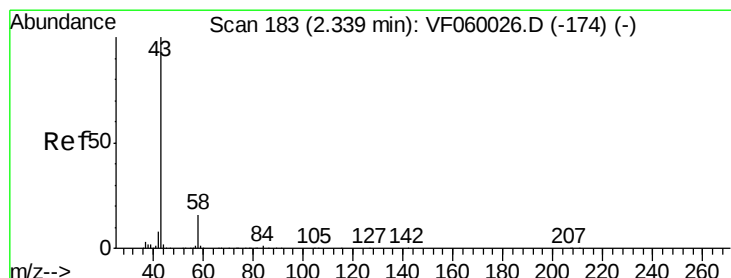
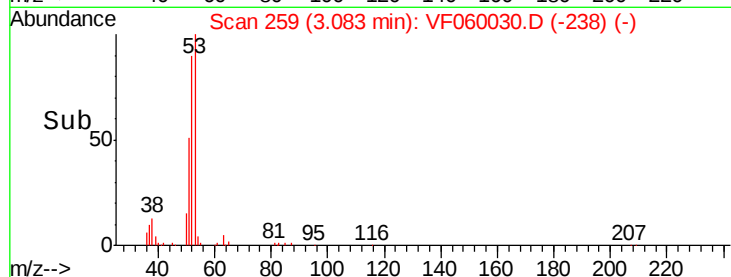
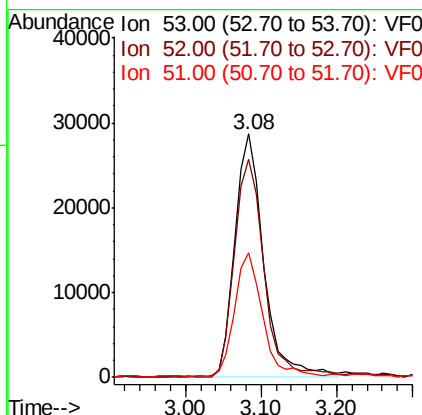
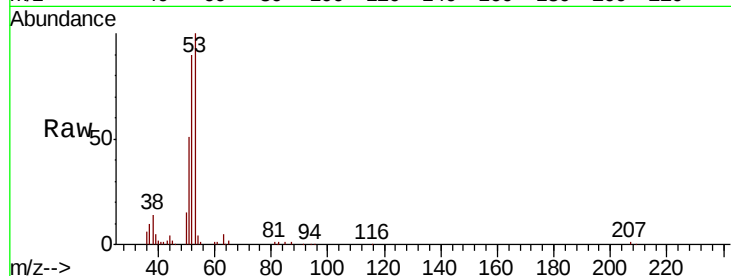
ClientSampleId :

ICVVF082118

Tot Ion:	53	Resp:	75829
Ion	Ratio	Lower	Upper
53	100		
52	89.7	75.8	113.8
51	51.2	42.1	63.1

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#16

Acetone

Concen: 224.92 ug/l

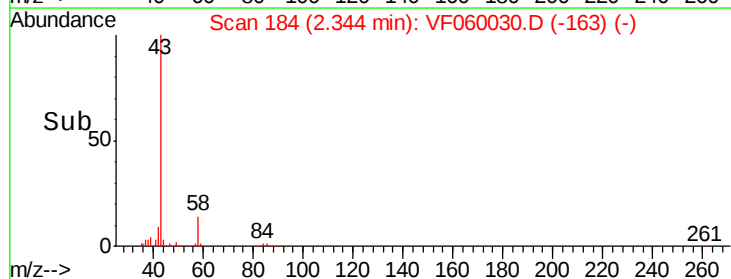
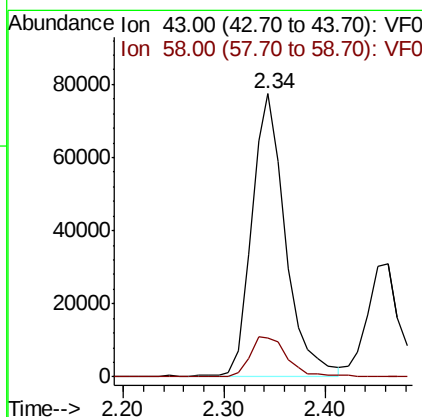
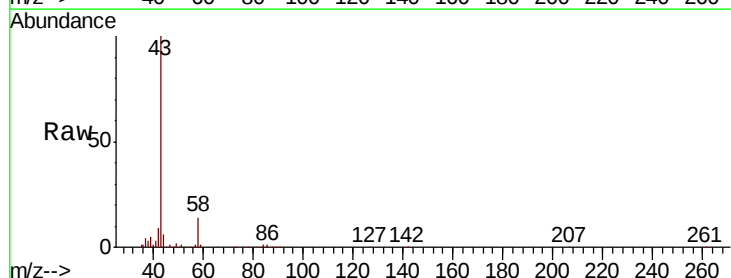
RT: 2.34 min Scan# 184

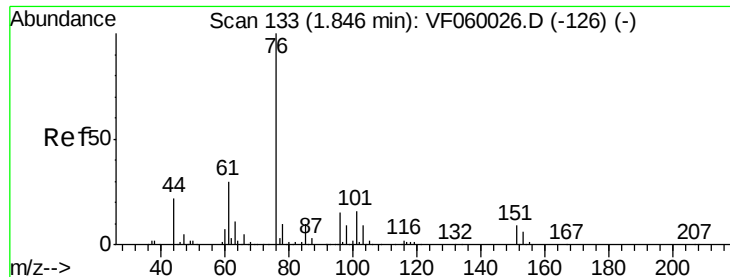
Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	43	Resp:	178115
Ion	Ratio	Lower	Upper
43	100		
58	13.6	12.6	19.0





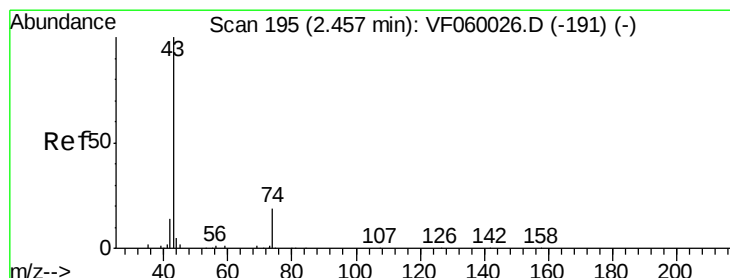
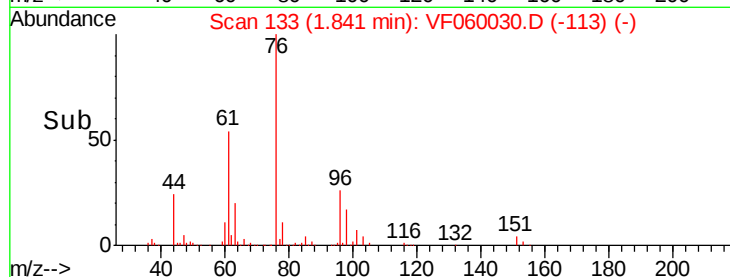
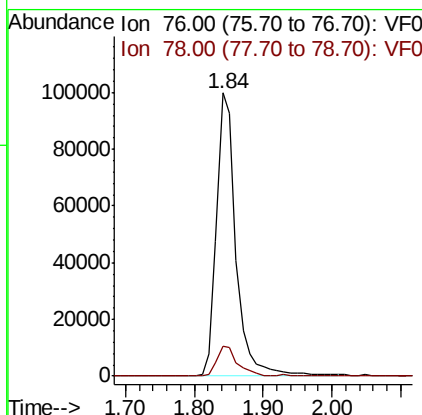
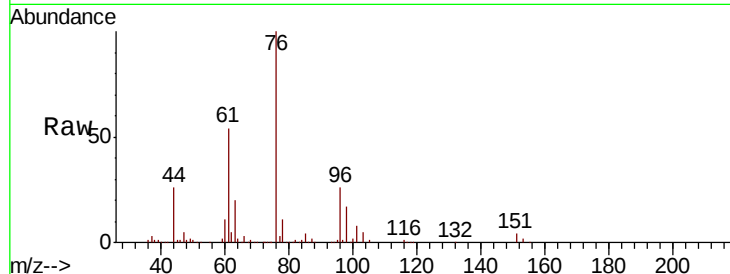
#17
Carbon Disulfide
Concen: 45.05 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	8.4	12.6

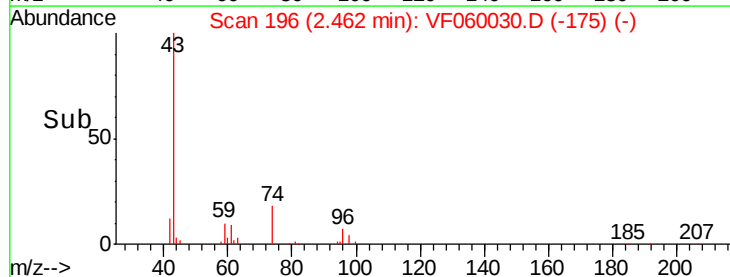
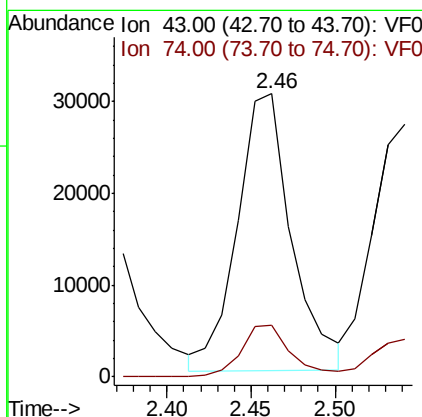
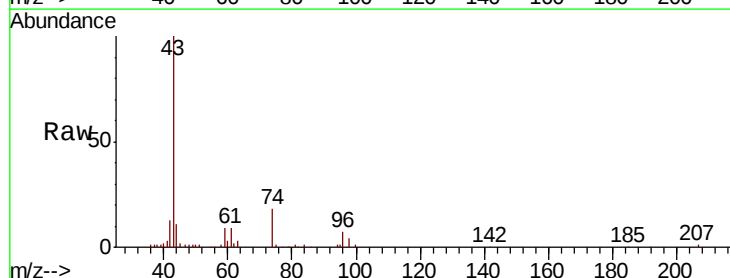
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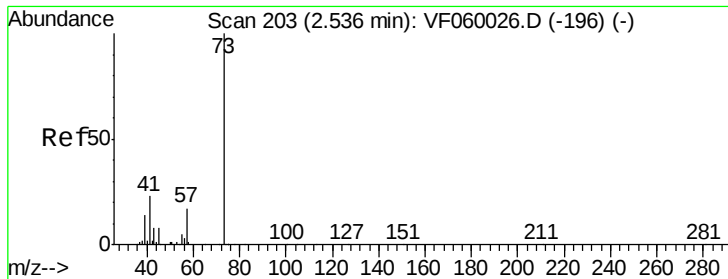
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#18
Methyl Acetate
Concen: 50.16 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.2	13.8	20.6





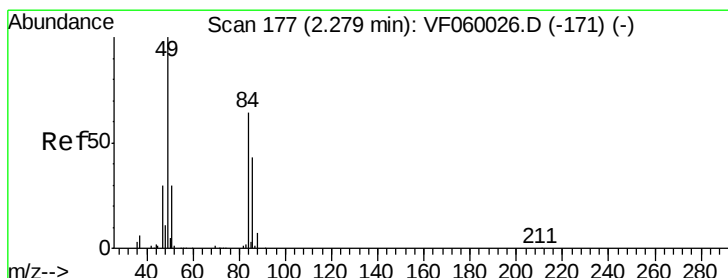
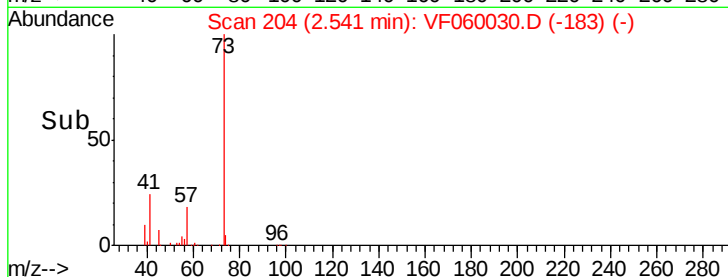
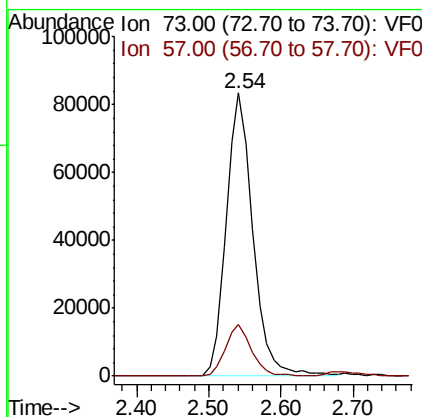
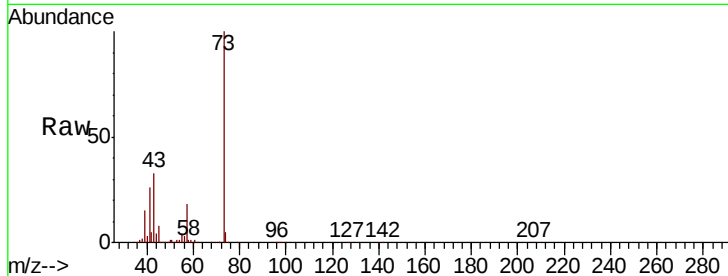
#19
Methyl tert-butyl Ether
Concen: 48.01 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.3	13.7	20.5

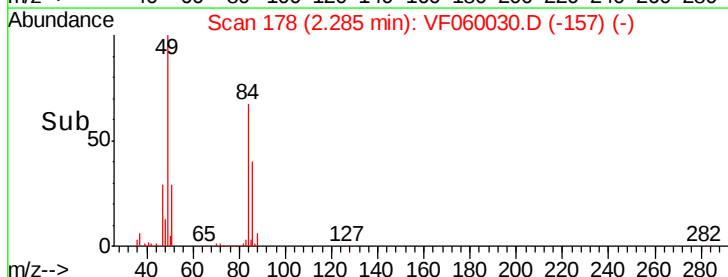
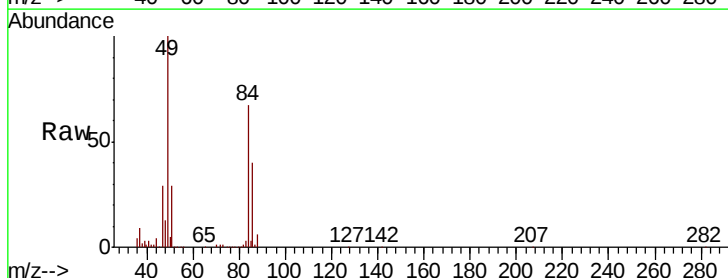
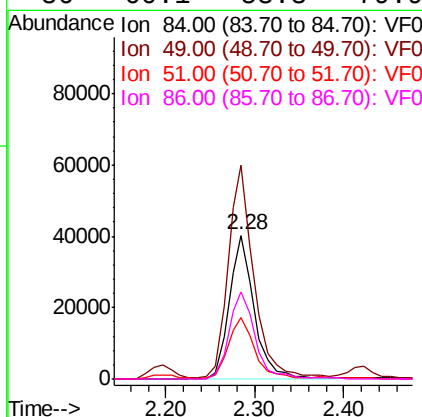
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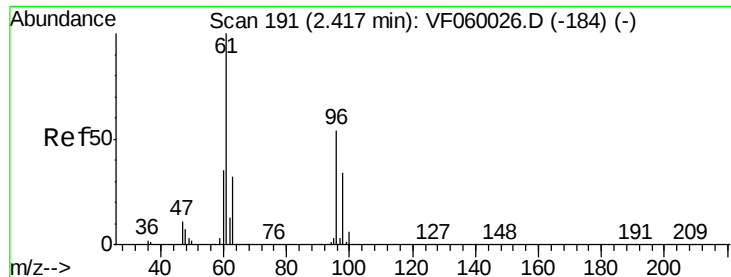
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#20
Methylene Chloride
Concen: 51.19 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.4	125.4	188.0
51	42.8	38.3	57.5
86	60.1	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 44.51 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

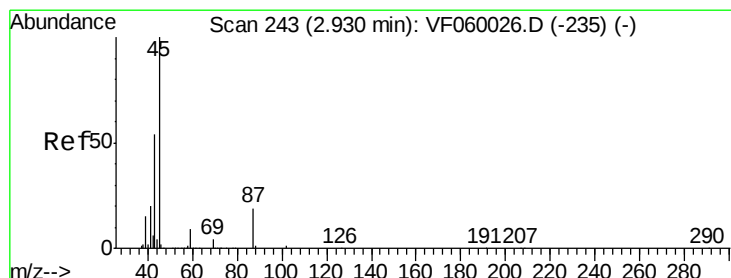
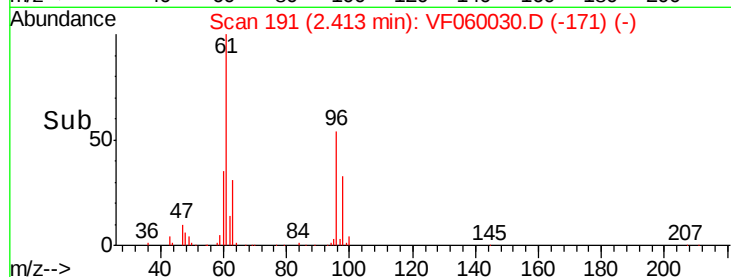
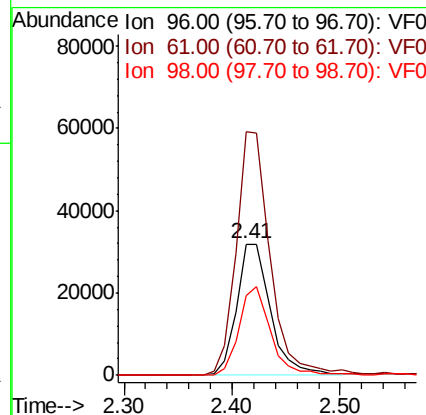
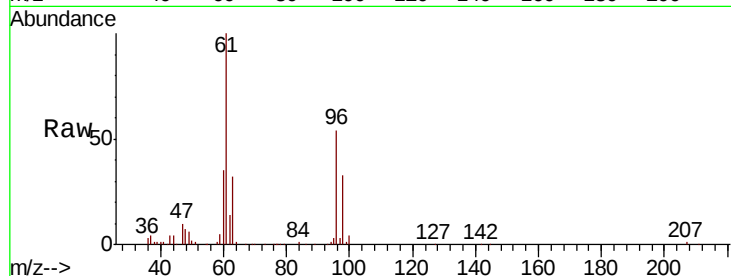
ClientSampleId :

ICVVF082118

Tot Ion:	96	Resp:	69695
Ion	Ratio	Lower	Upper
96	100		
61	185.5	147.4	221.0
98	61.1	49.8	74.6

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#22

Diisopropyl ether

Concen: 48.09 ug/l

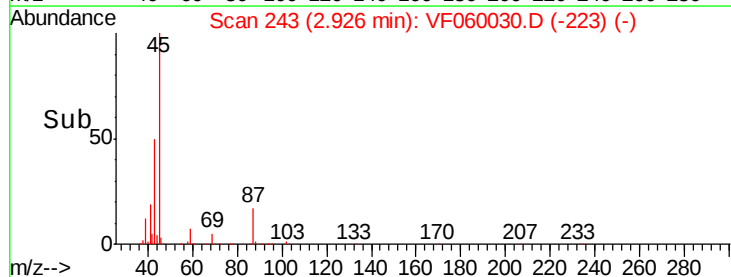
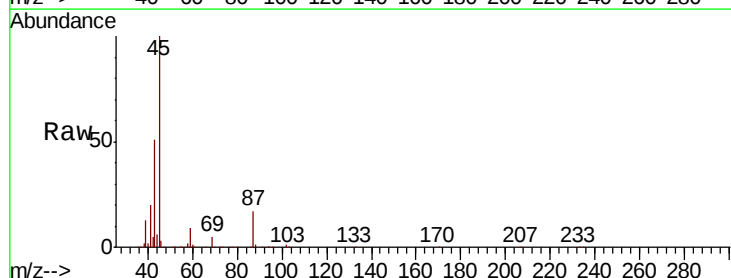
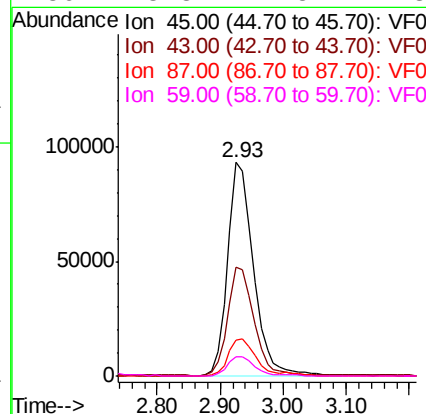
RT: 2.93 min Scan# 243

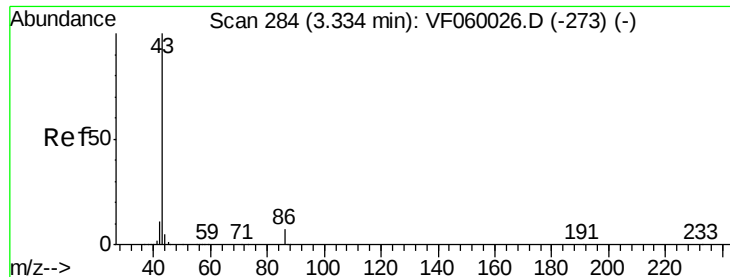
Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	45	Resp:	267681
Ion	Ratio	Lower	Upper
45	100		
43	50.7	43.4	65.2
87	16.5	15.4	23.2
59	8.8	7.5	11.3





#23

Vinyl Acetate

Concen: 267.06 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion: 43 Resp: 787432

Ion Ratio Lower Upper

43 100

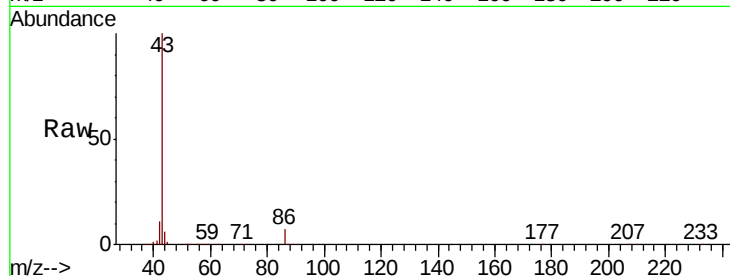
86 7.2 5.6 8.4

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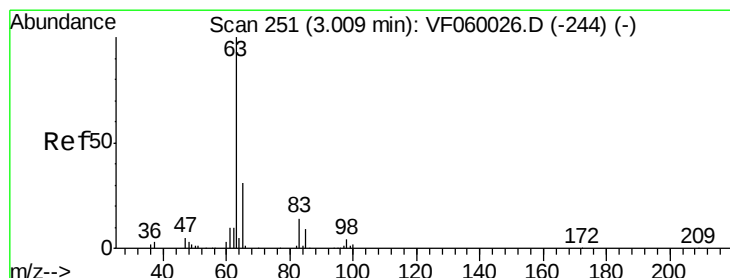
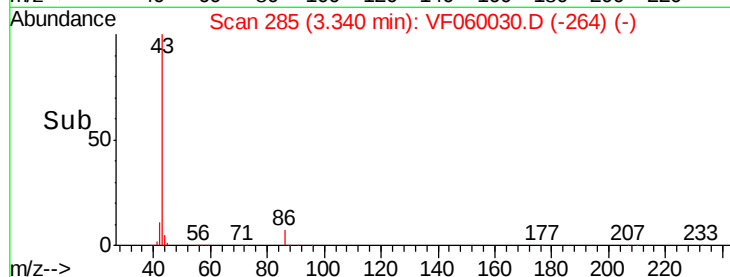
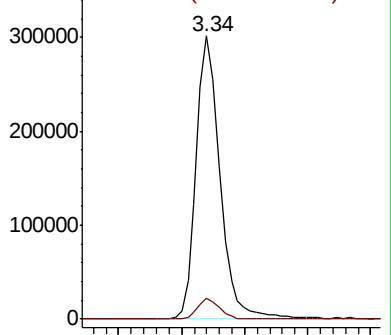
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 48.12 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

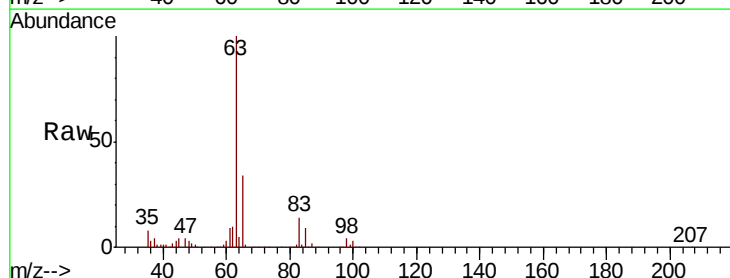
Tgt Ion: 63 Resp: 165439

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.5

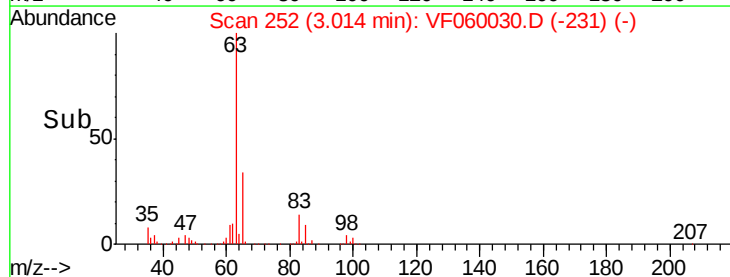
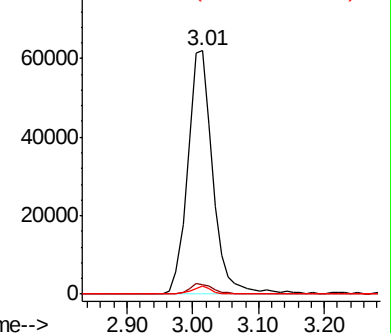
100 3.4 1.1 3.3#

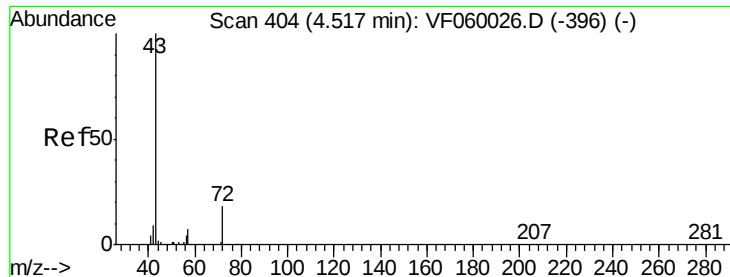


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 245.91 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion: 43 Resp: 252949

Ion Ratio Lower Upper

43 100

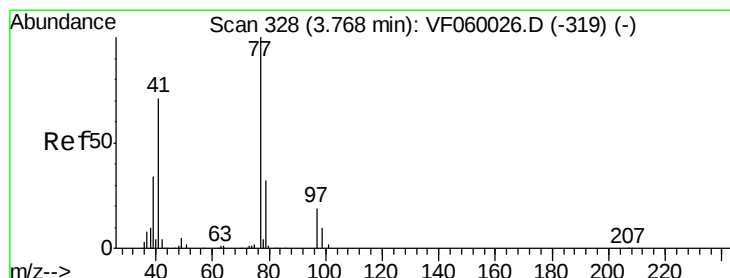
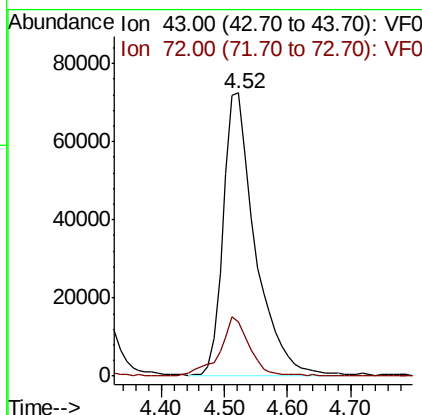
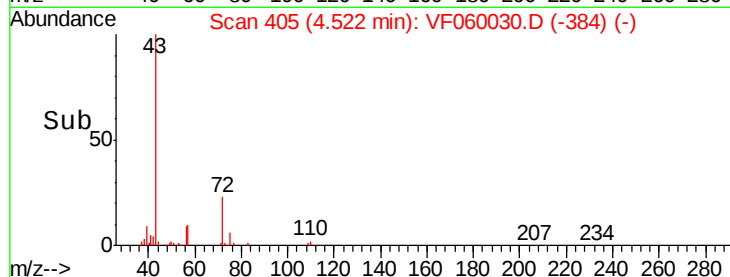
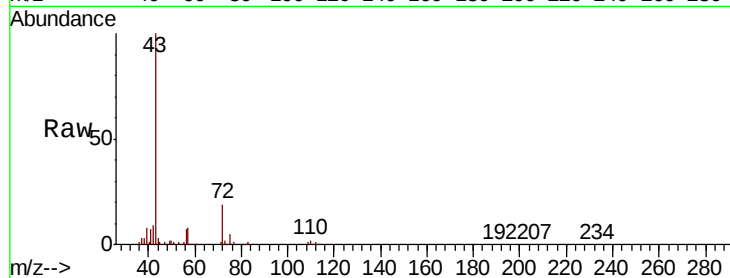
72 19.3 15.0 22.6

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#26

2,2-Dichloropropane

Concen: 47.83 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF060030.D

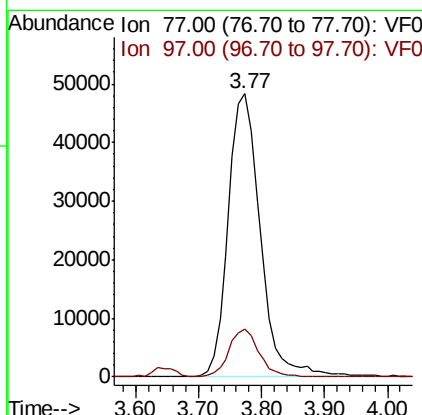
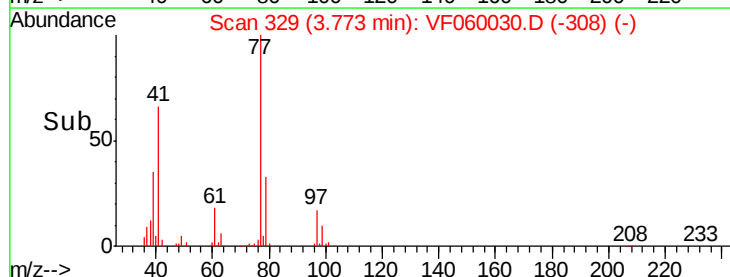
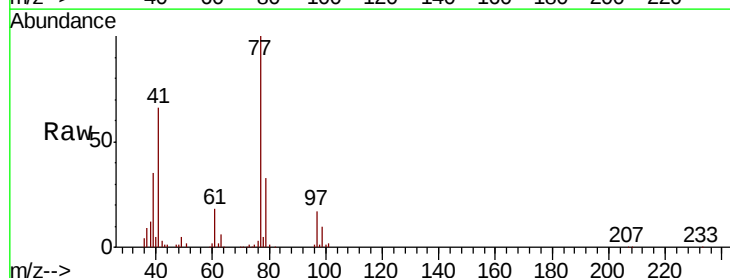
Acq: 21 Aug 2018 20:42

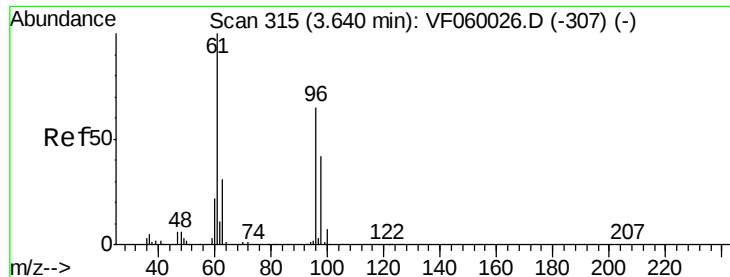
Tgt Ion: 77 Resp: 170141

Ion Ratio Lower Upper

77 100

97 17.1 9.7 29.1





#27

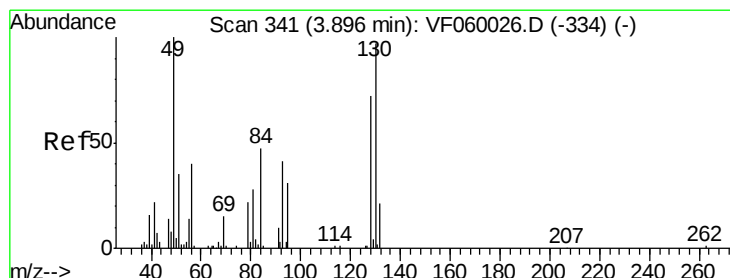
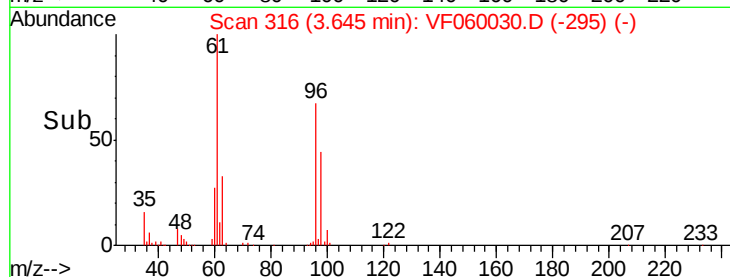
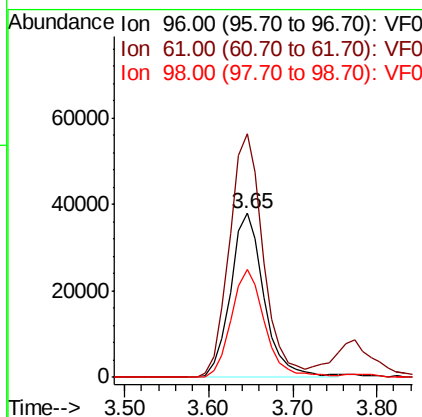
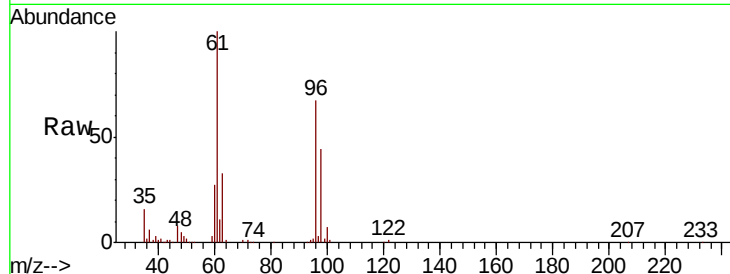
cis-1,2-Dichloroethene
Concen: 47.39 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Resp	Lower	Upper
96	100	105150		
61	148.3	0.0	307.6	
98	65.7	0.0	128.4	

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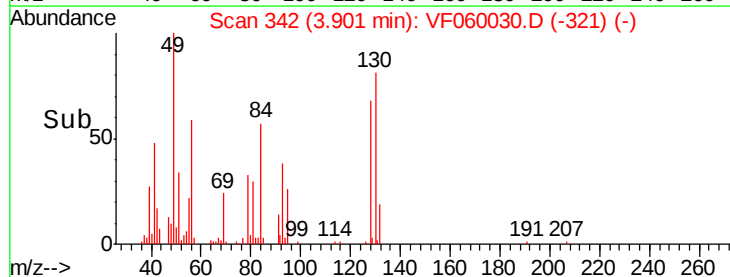
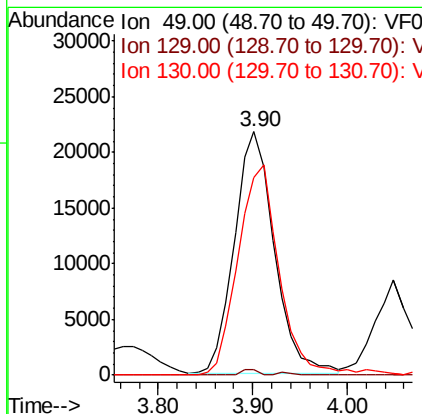
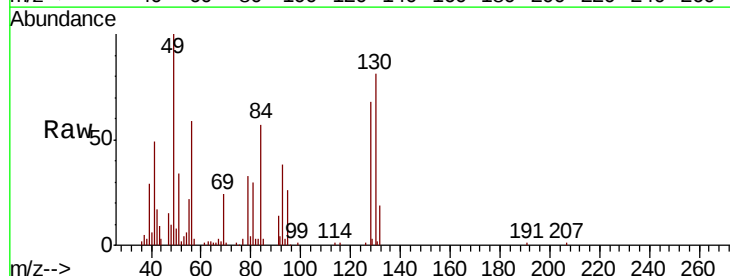
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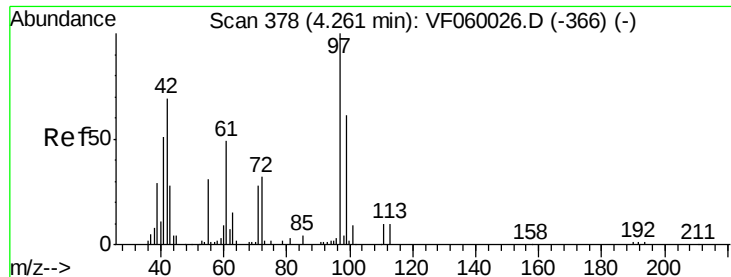


#28

Bromochloromethane
Concen: 43.82 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	63605		
129	2.5	0.0	7.4	
130	81.0	78.0	117.0	





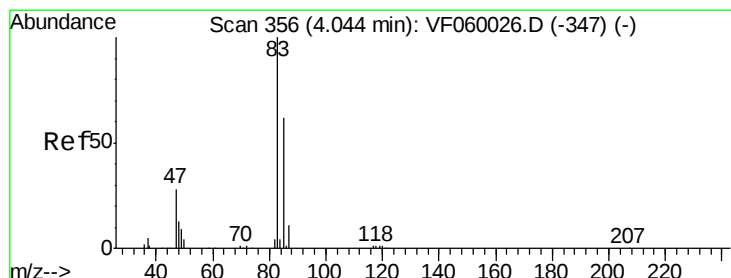
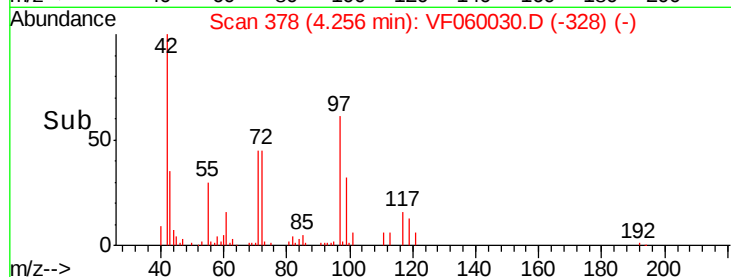
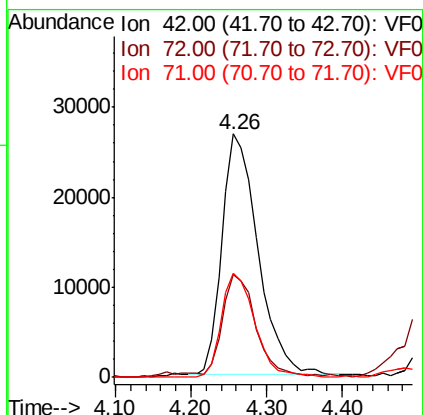
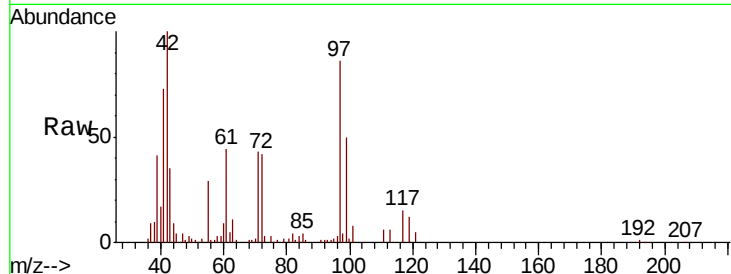
#29
Tetrahydrofuran
Concen: 227.08 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.4	47.2
71	40.7	29.7	44.5

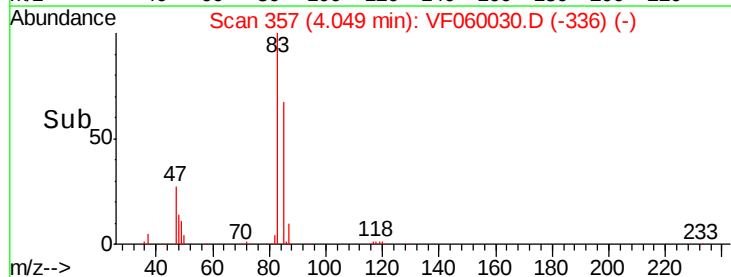
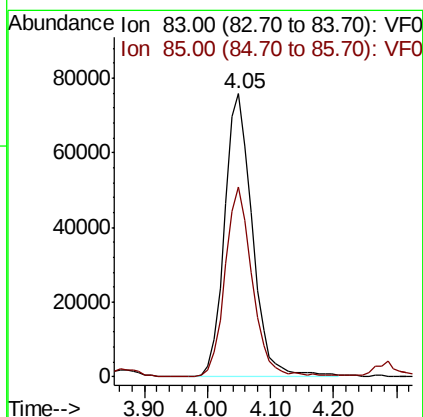
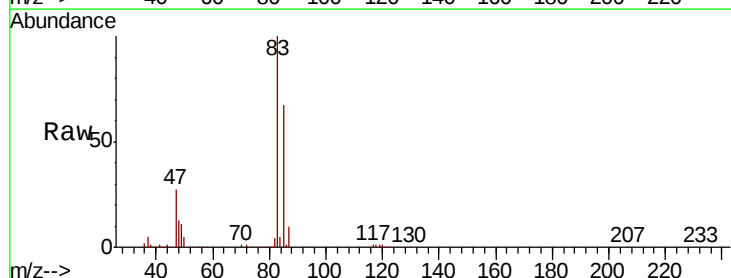
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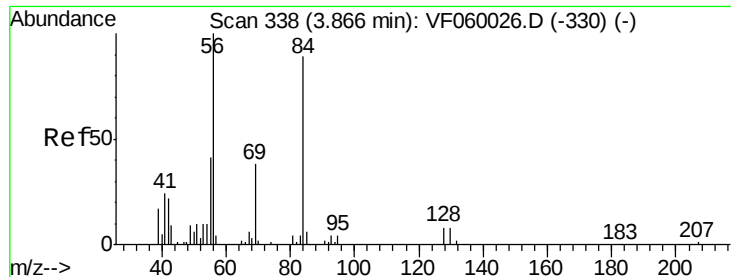
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#30
Chloroform
Concen: 47.99 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	49.5	74.3





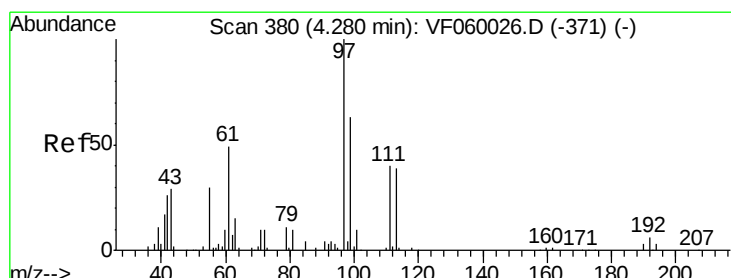
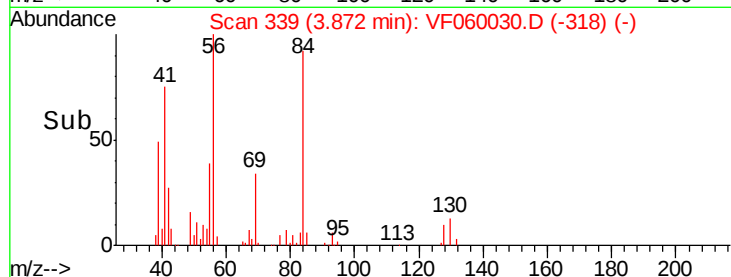
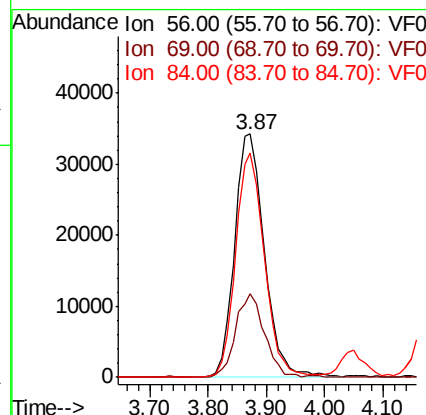
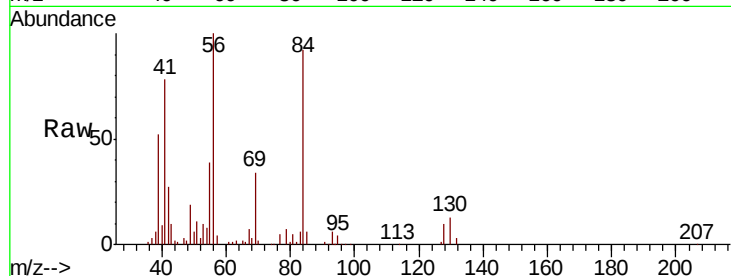
#31
Cyclohexane
Concen: 46.53 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	30.4	45.6
84	92.1	71.4	107.2

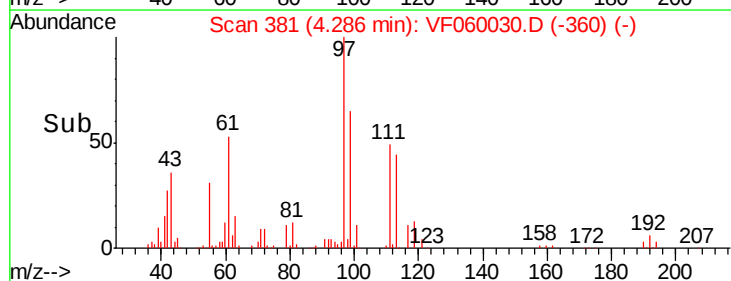
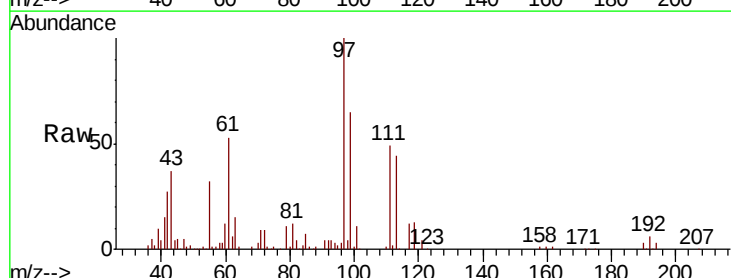
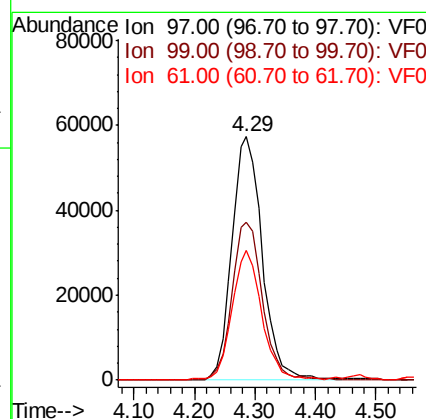
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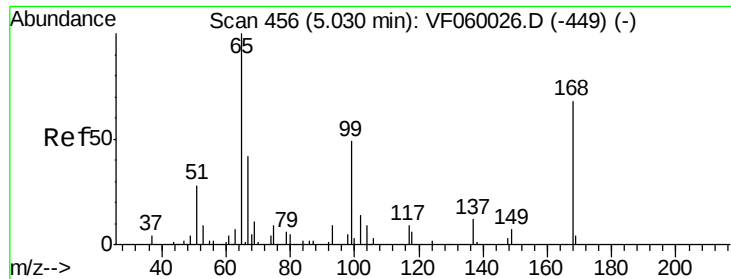
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#32
1,1,1-Trichloroethane
Concen: 48.40 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.3	75.5
61	53.5	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 48.60 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tot Ion: 65 Resp: 146428

Ion Ratio Lower Upper

65 100

67 43.6 0.0 92.0

Instrument :

MSVOA_F

ClientSampleId :

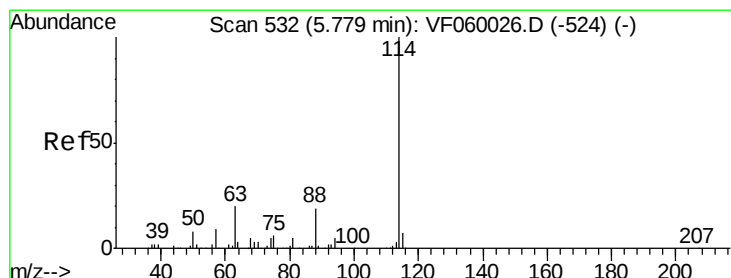
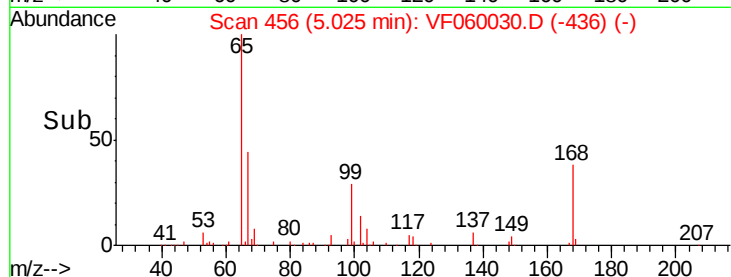
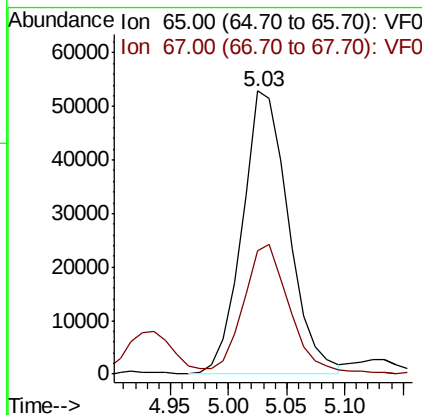
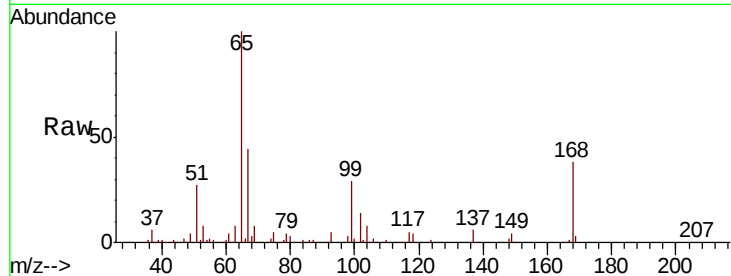
ICVVF082118

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

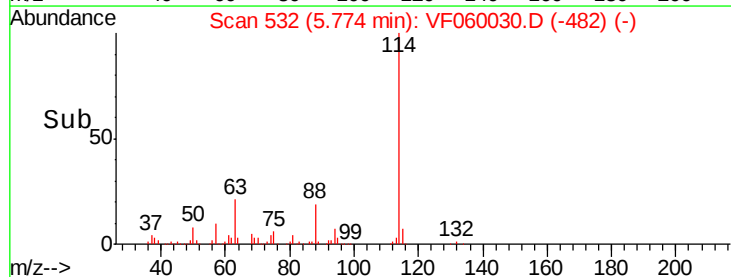
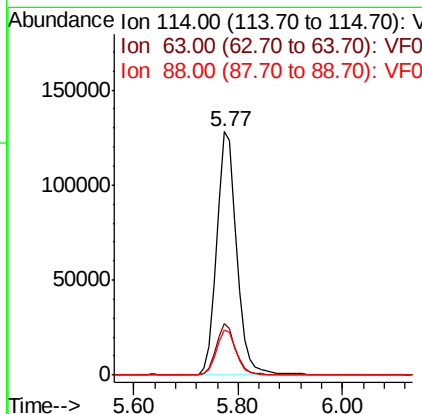
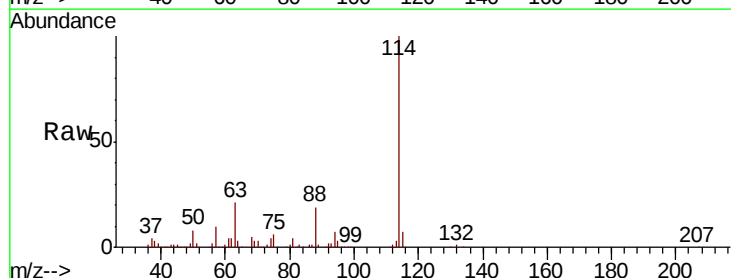
Tgt Ion: 114 Resp: 343097

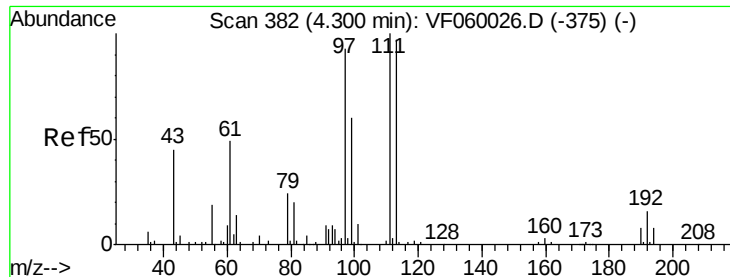
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.4

88 18.5 0.0 38.6





#35

Dibromofluoromethane

Concen: 48.08 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

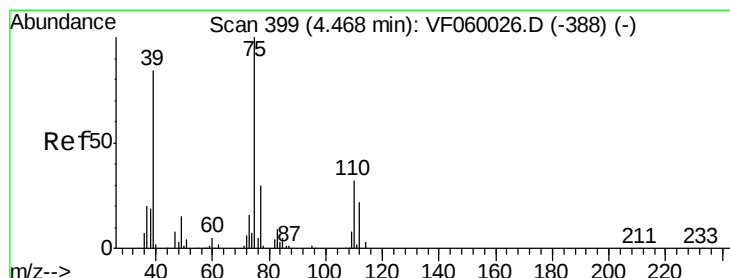
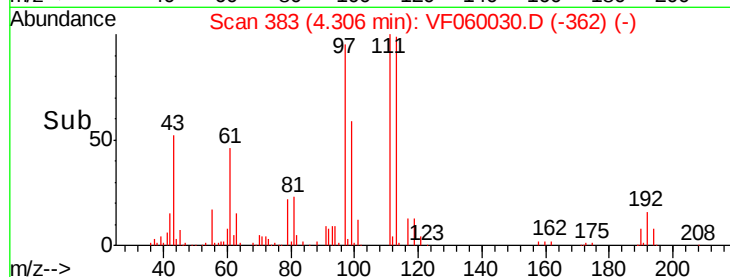
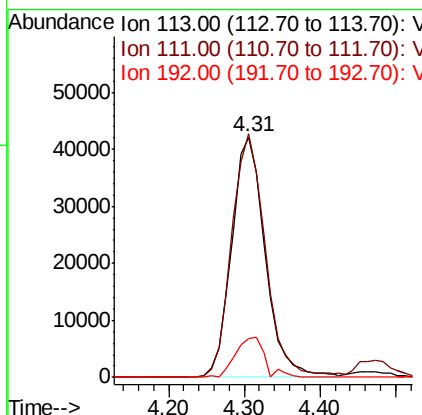
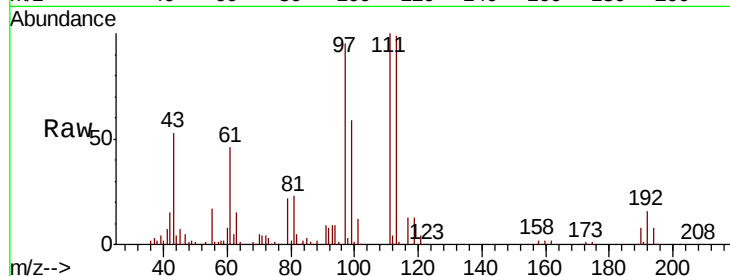
ClientSampleId :

ICVVF082118

Tot Ion:	113	Resp:	129546
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.7	124.1
192	16.1	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 48.10 ug/l

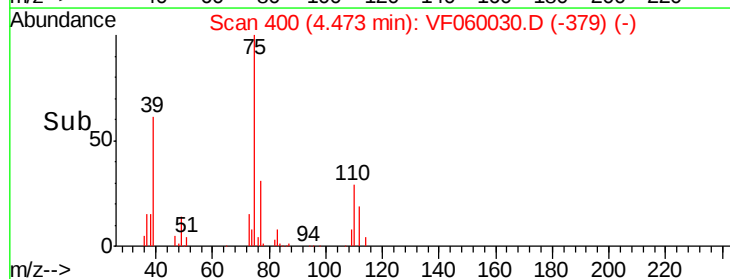
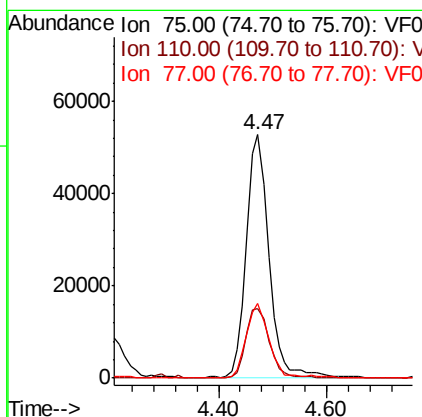
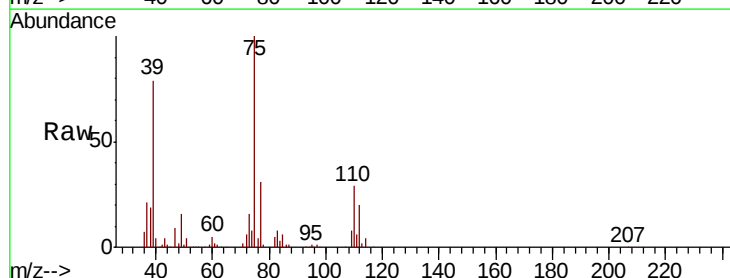
RT: 4.47 min Scan# 400

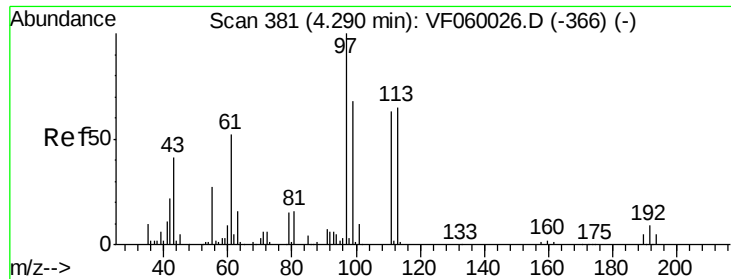
Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	75	Resp:	155076
Ion	Ratio	Lower	Upper
75	100		
110	28.7	16.0	47.9
77	30.7	24.1	36.1





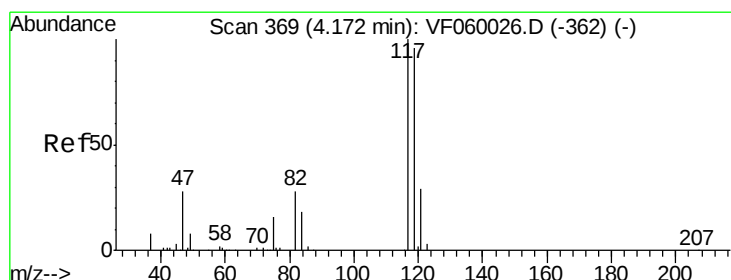
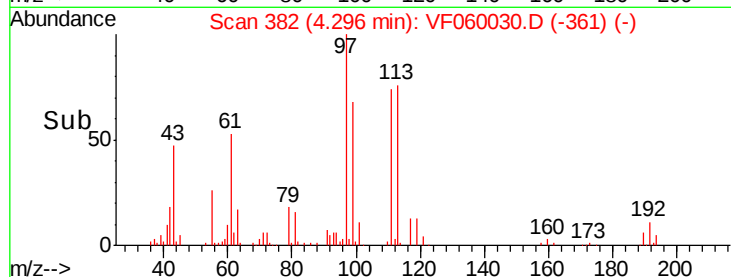
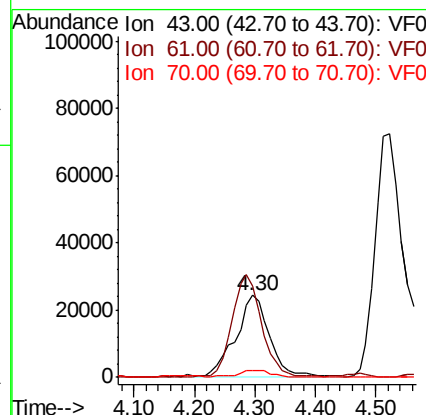
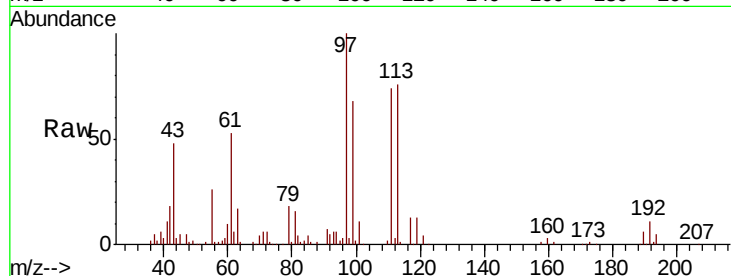
#37
Ethyl Acetate
Concen: 48.42 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
93374	100	110.7	7.7				
		101.5	6.4				
		152.3	9.6				

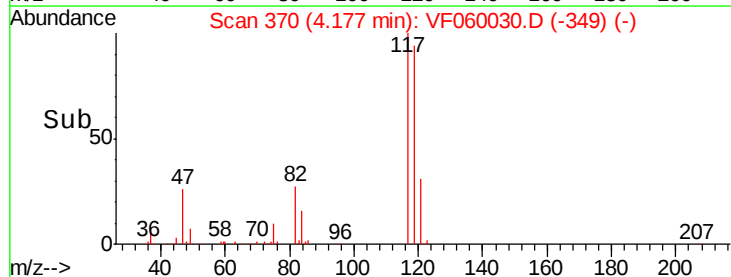
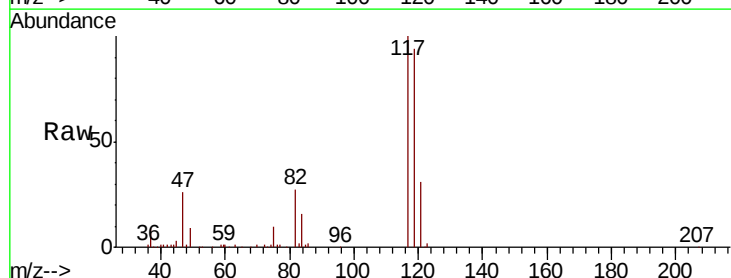
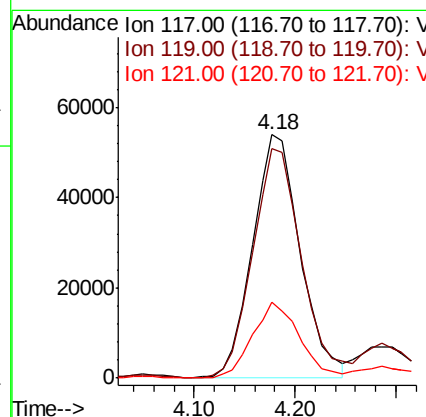
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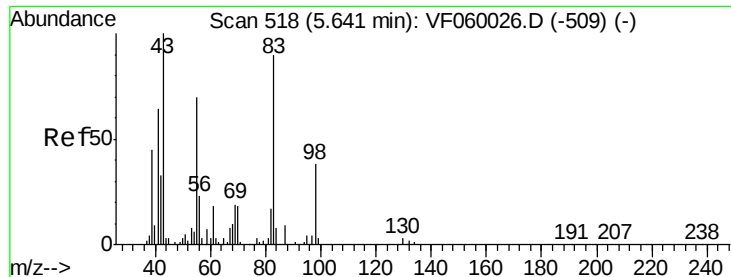
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#38
Carbon Tetrachloride
Concen: 47.40 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
176955	100	94.4	31.0				
		76.5	23.0				
		114.7	34.6				





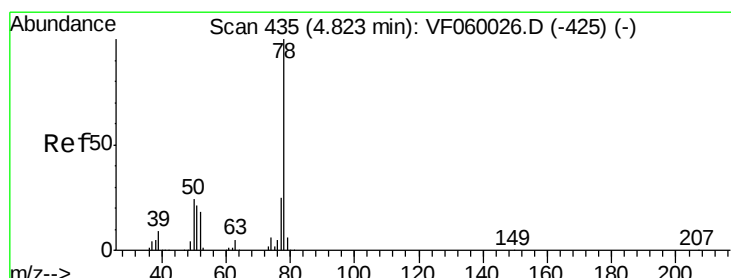
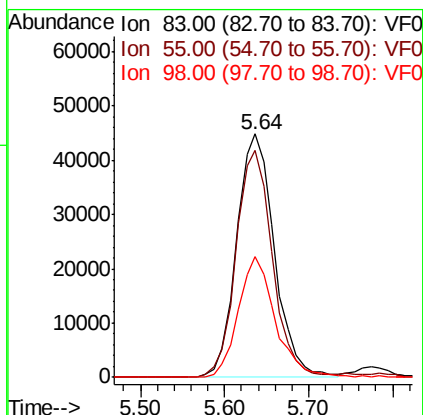
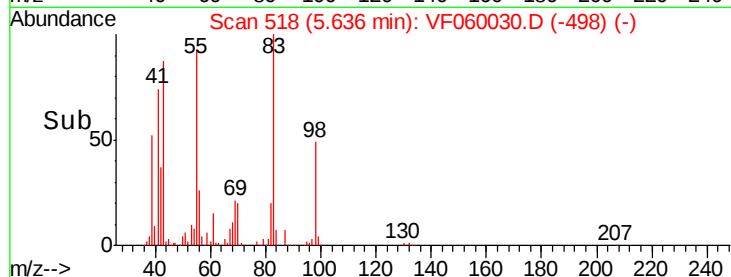
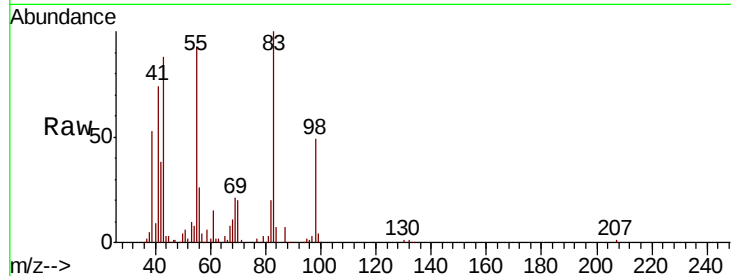
#39
Methvlcvclohexane
Concen: 46.43 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.2	62.7	94.1
98	49.4	33.8	50.8

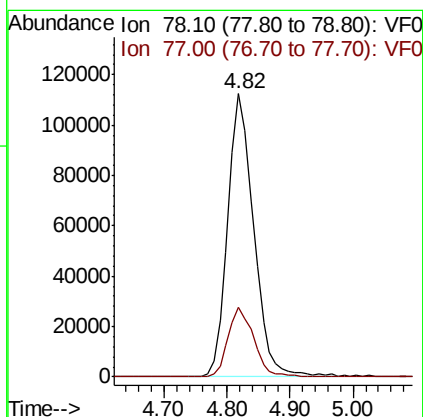
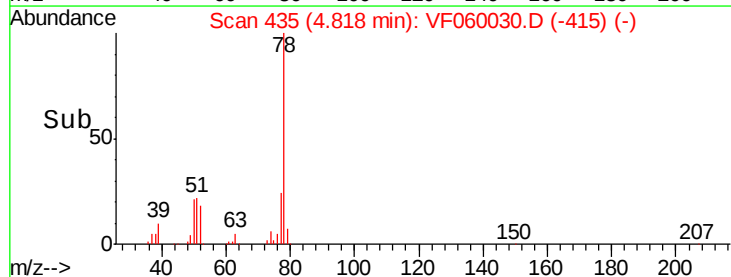
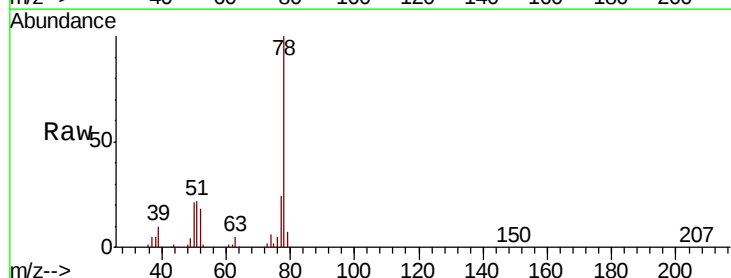
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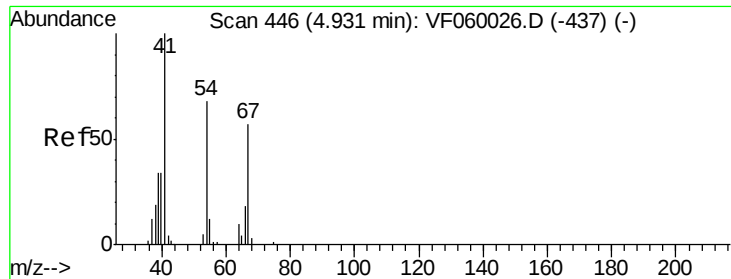
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#40
Benzene
Concen: 45.69 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.8	29.6





#41

Methacrylonitrile

Concen: 48.39 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

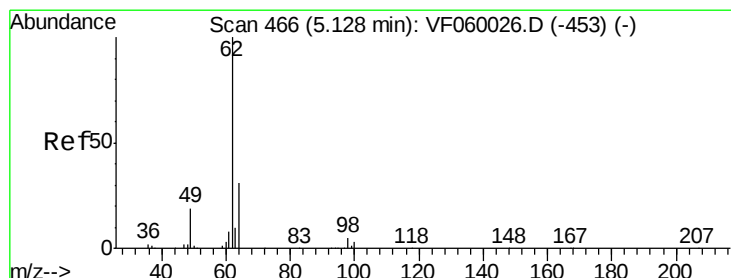
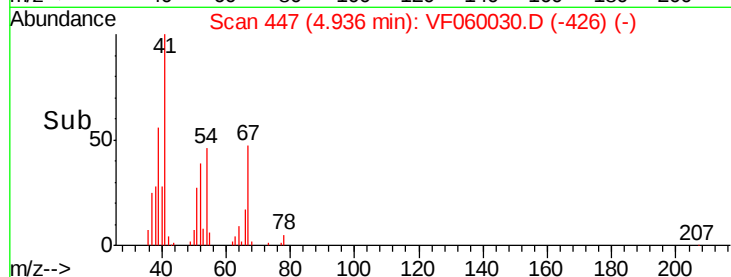
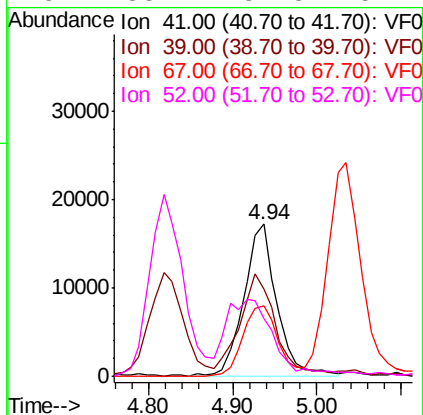
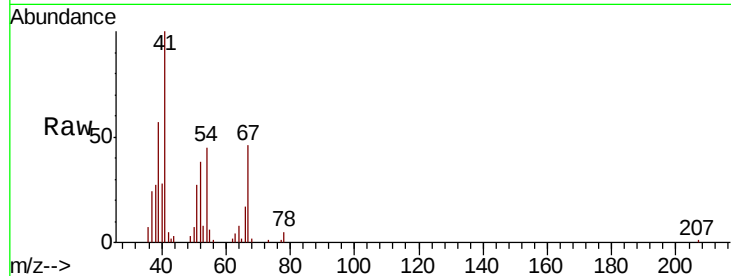
ClientSampleId :

ICVVF082118

Tot Ion:	41	Resp:	47193
Ion	Ratio	Lower	Upper
41	100		
39	57.4	52.9	79.3
67	45.9	45.3	67.9
52	38.2	34.8	52.2

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#42

1,2-Dichloroethane

Concen: 45.77 ug/l

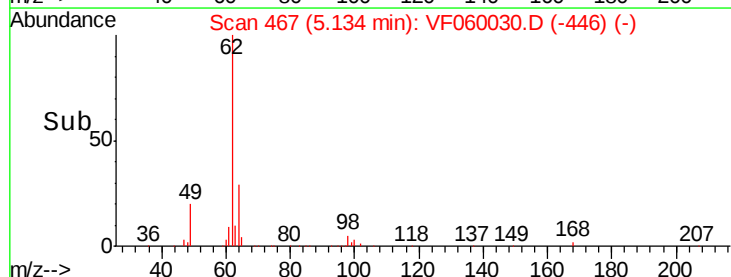
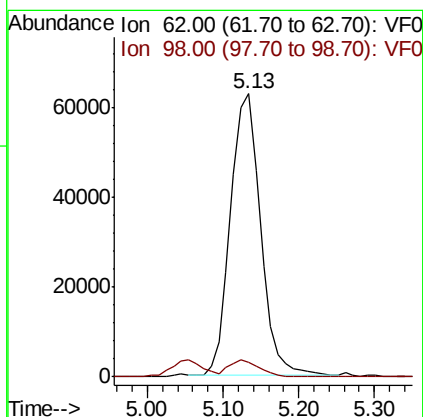
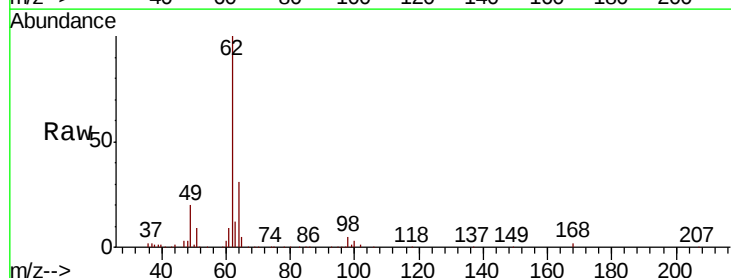
RT: 5.13 min Scan# 467

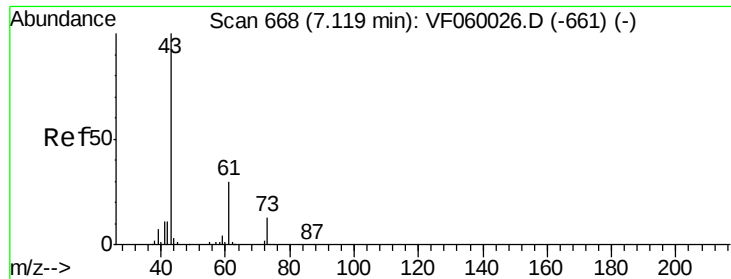
Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	62	Resp:	172840
Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	11.2





#43

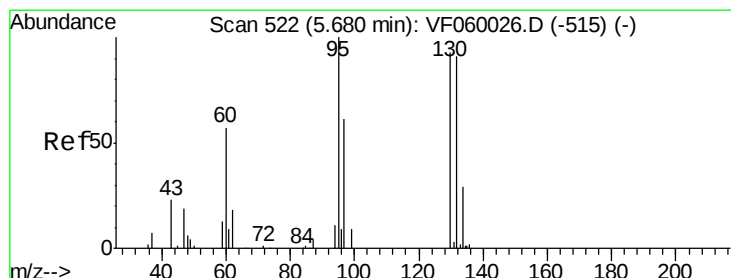
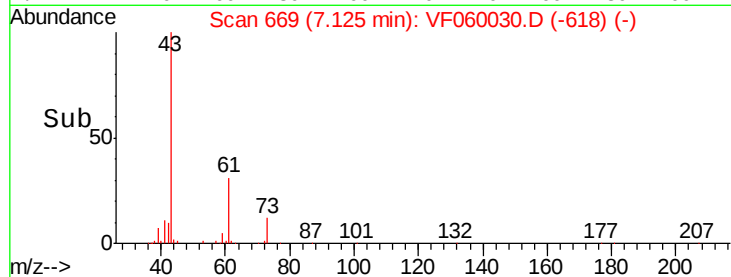
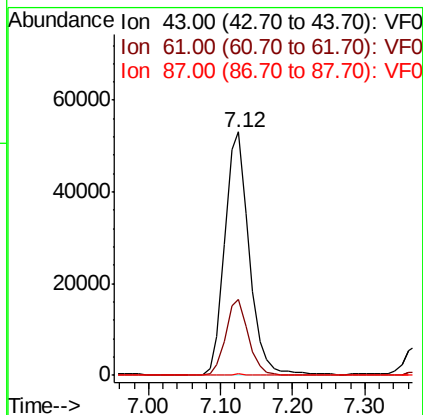
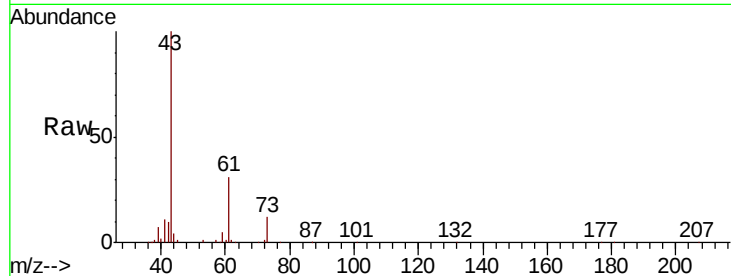
Isopropyl Acetate
 Concen: 51.68 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF082118

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.8	35.6
87	0.4	0.2	0.4

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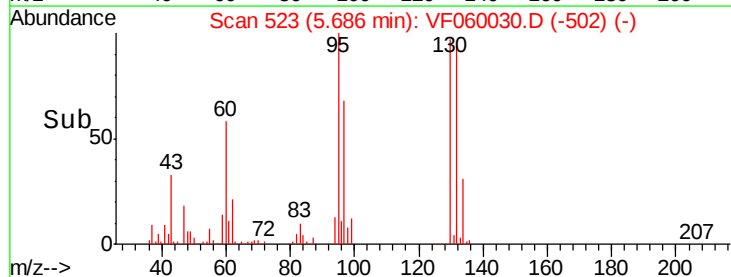
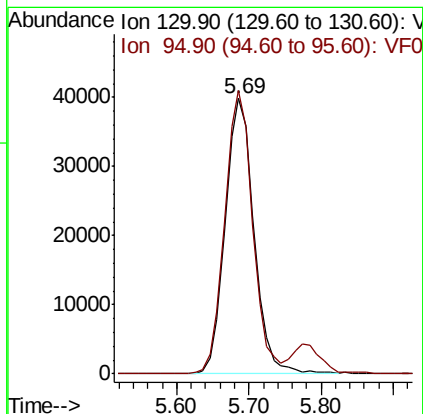
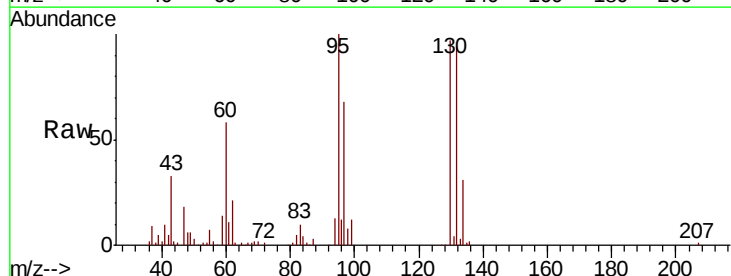
apatel
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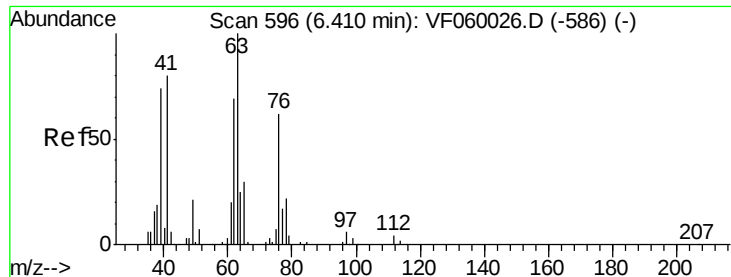


#44

Trichloroethene
 Concen: 47.38 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	215.8





#45

1,2-Dichloropropane

Concen: 50.05 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion: 63 Resp: 99711

Ion Ratio Lower Upper

63 100

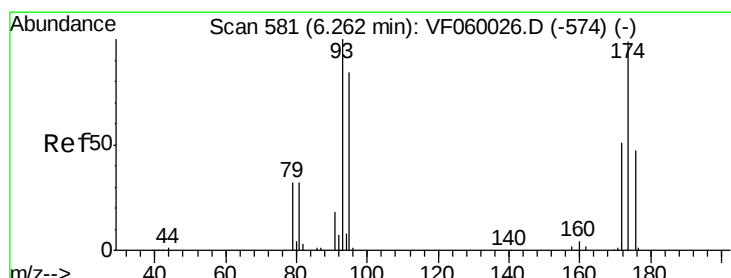
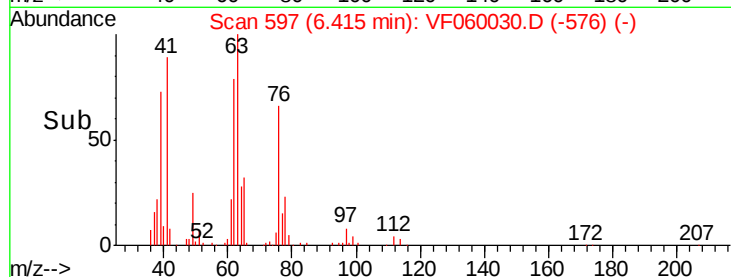
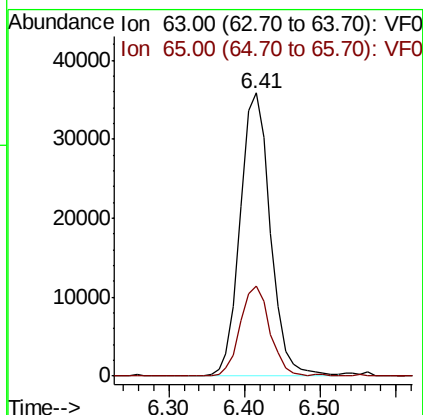
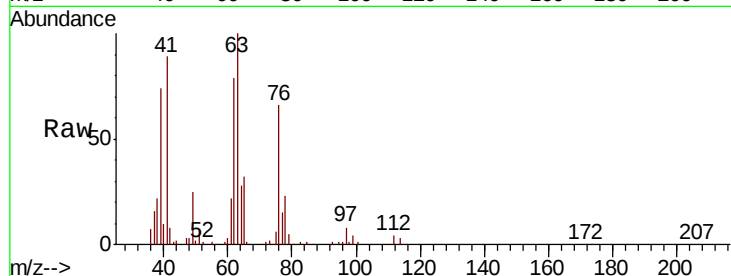
65 31.7 23.8 35.6

Manual Integrations

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#46

Dibromomethane

Concen: 49.06 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

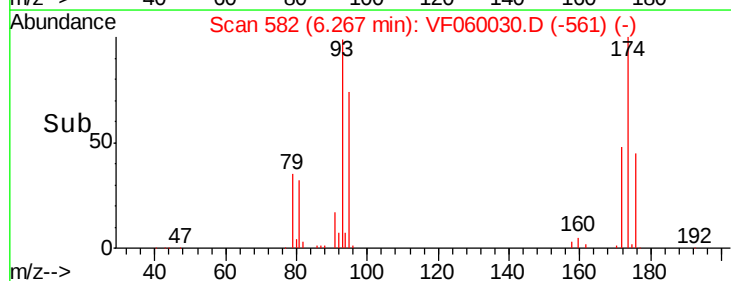
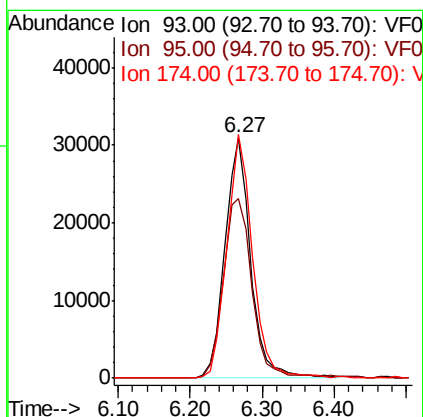
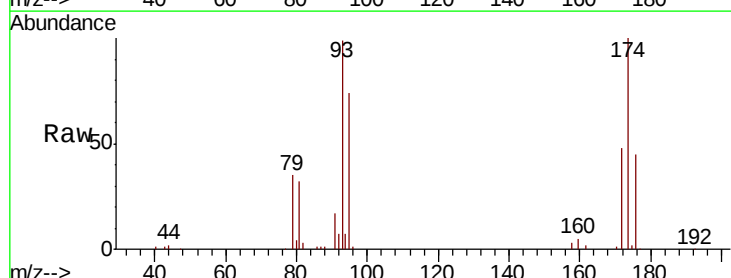
Tgt Ion: 93 Resp: 76475

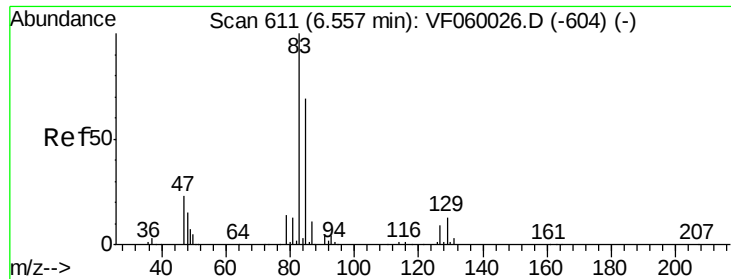
Ion Ratio Lower Upper

93 100

95 74.8 67.1 100.7

174 103.7 79.0 118.4





#47

Bromodichloromethane

Concen: 48.33 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

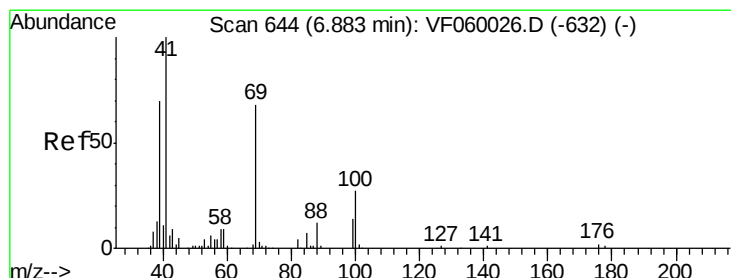
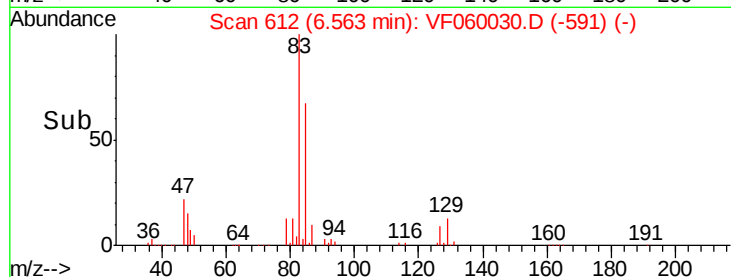
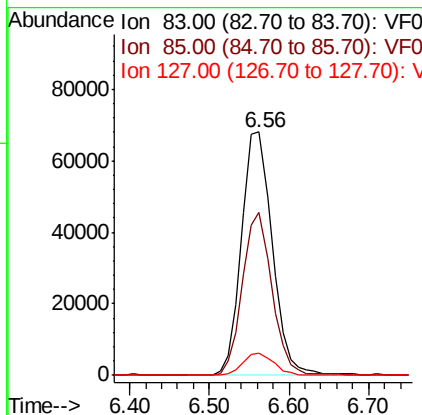
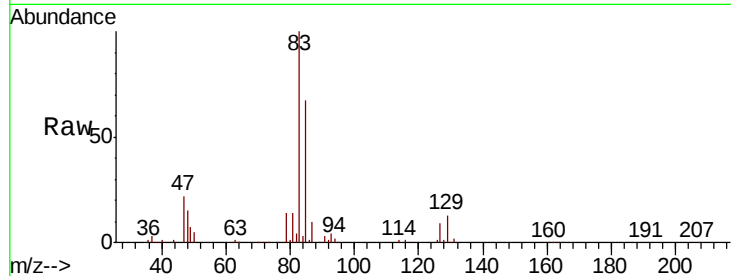
ClientSampleId :

ICVVF082118

Tot Ion:	83	Resp:	181970
Ion	Ratio	Lower	Upper
83	100		
85	67.1	55.2	82.8
127	9.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.08 ug/l

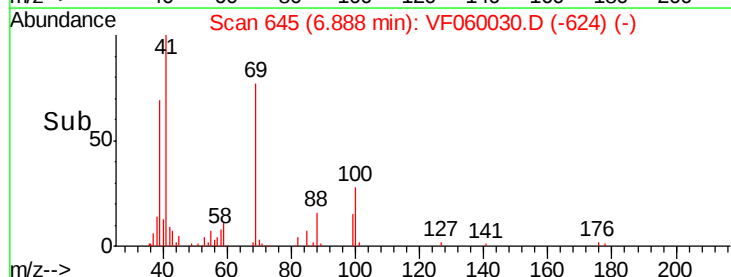
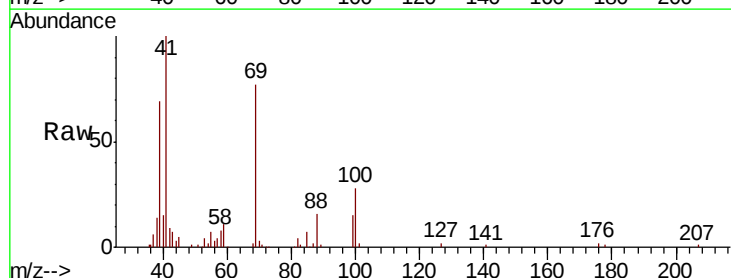
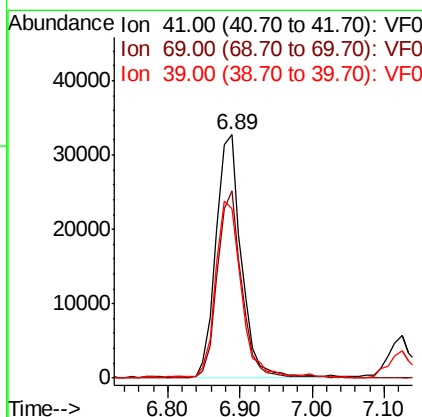
RT: 6.89 min Scan# 645

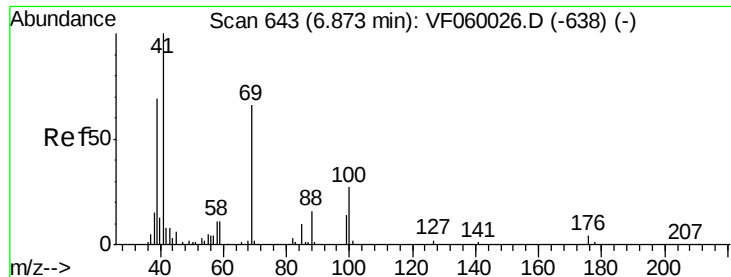
Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	41	Resp:	78822
Ion	Ratio	Lower	Upper
41	100		
69	77.1	54.6	81.8
39	69.3	56.5	84.7





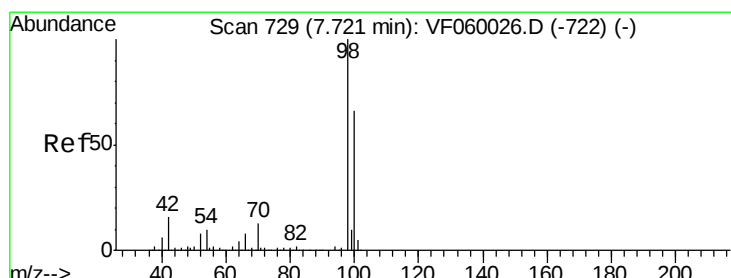
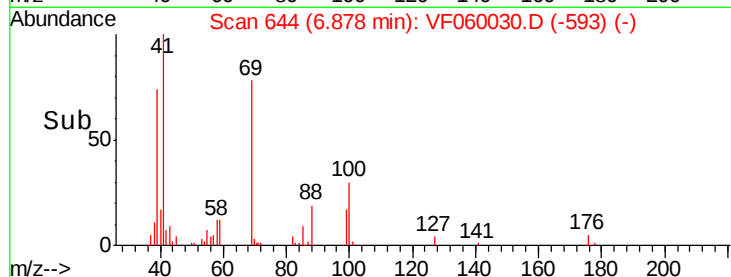
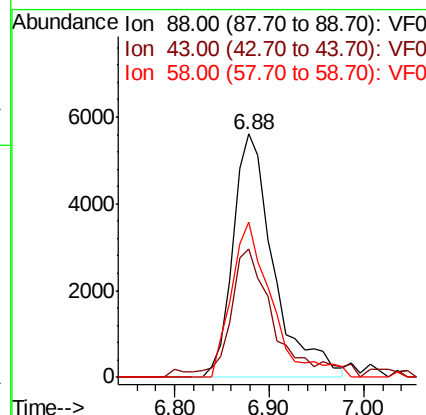
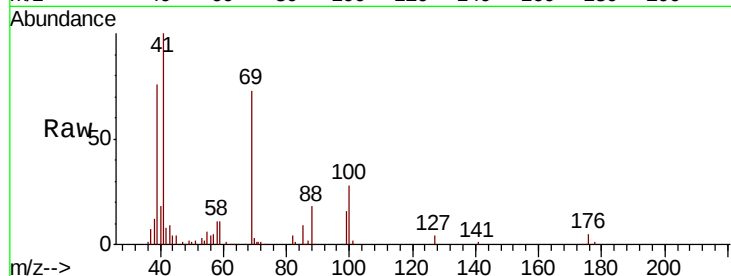
#49
1,4-Dioxane
Concen: 1086.41 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	52.9		46.5	69.7
58	63.9		54.8	82.2

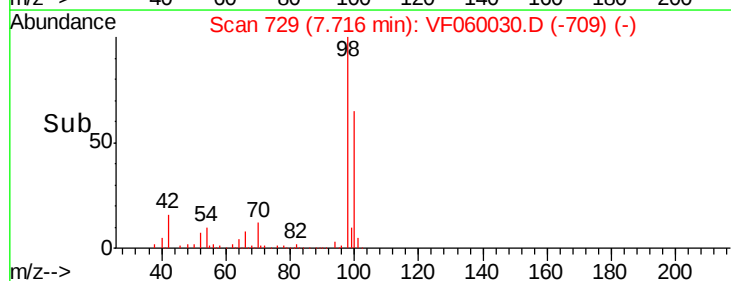
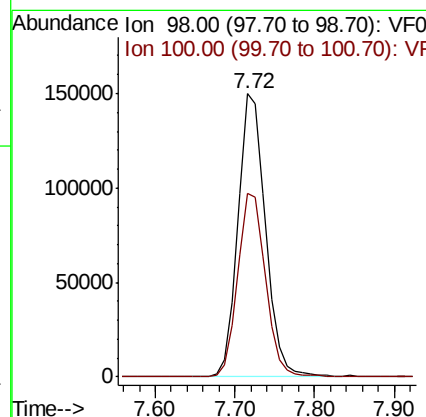
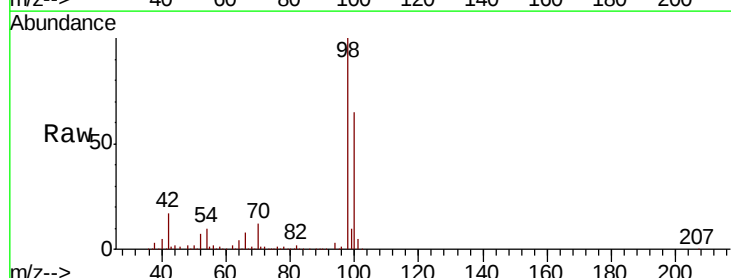
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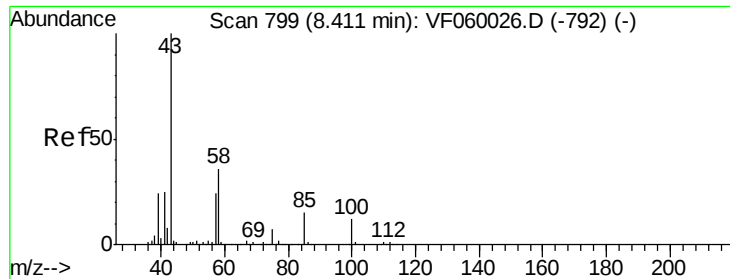
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#50
Toluene-d8
Concen: 47.20 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.8		53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 260.80 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion: 43 Resp: 546587

Ion Ratio Lower Upper

43 100

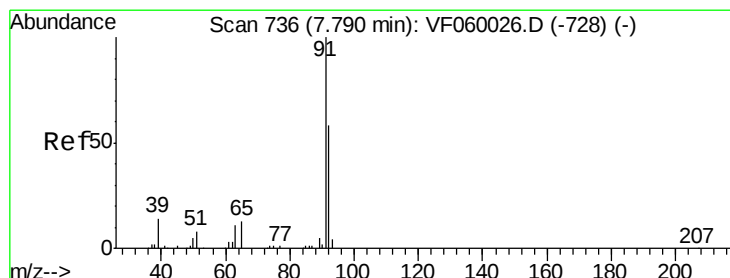
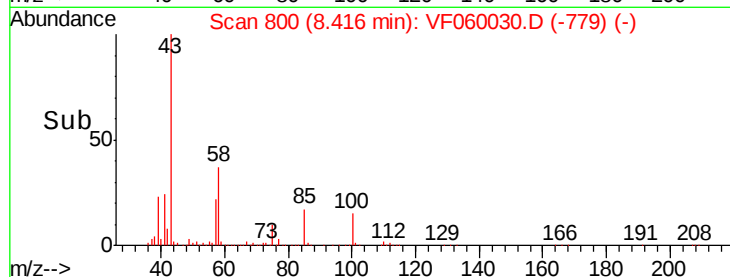
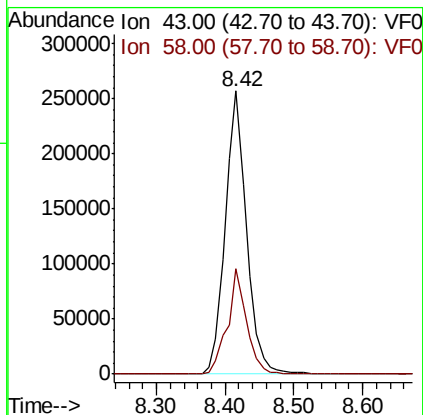
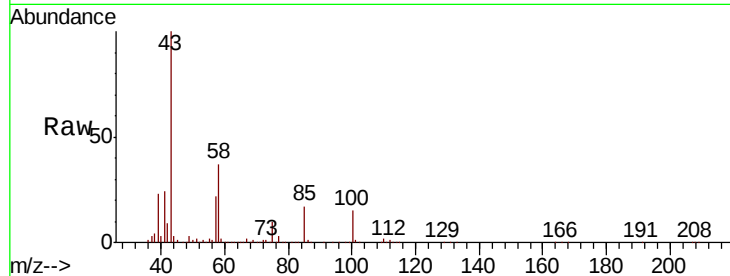
58 37.3 28.6 42.8

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#52

Toluene

Concen: 51.41 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF060030.D

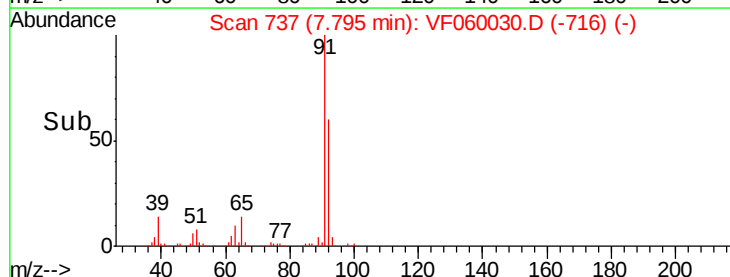
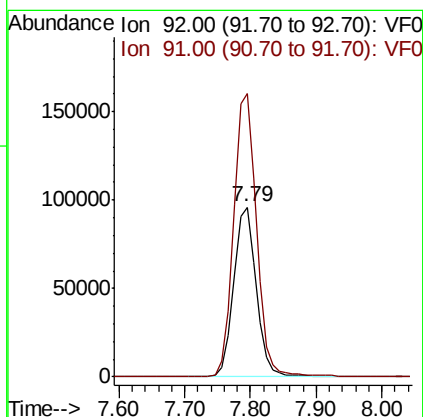
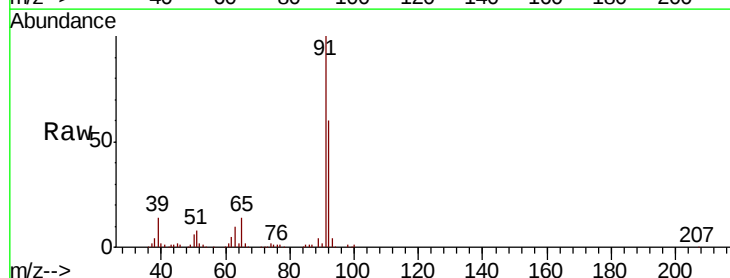
Acq: 21 Aug 2018 20:42

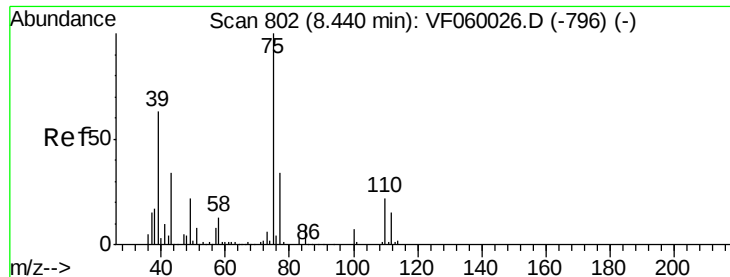
Tgt Ion: 92 Resp: 232289

Ion Ratio Lower Upper

92 100

91 166.9 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 49.56 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion: 75 Resp: 169229

Ion Ratio Lower Upper

75 100

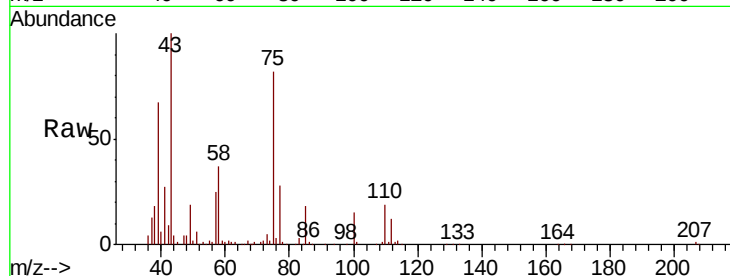
77 33.7 27.4 41.2

Manual Integrations

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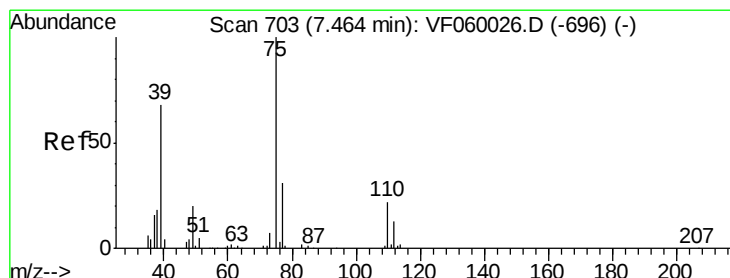
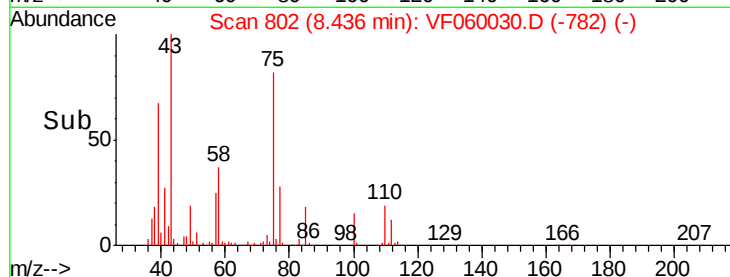
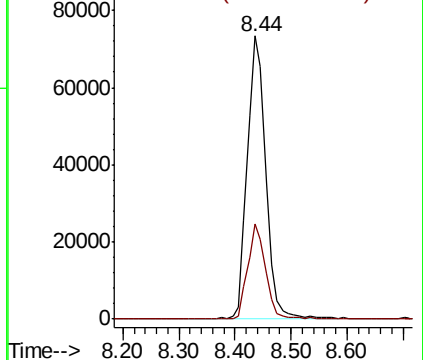
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 50.71 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

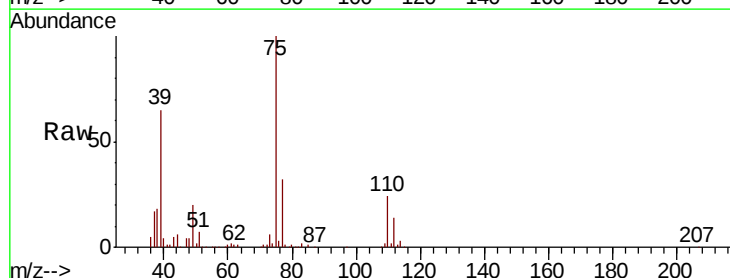
Tgt Ion: 75 Resp: 193273

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0

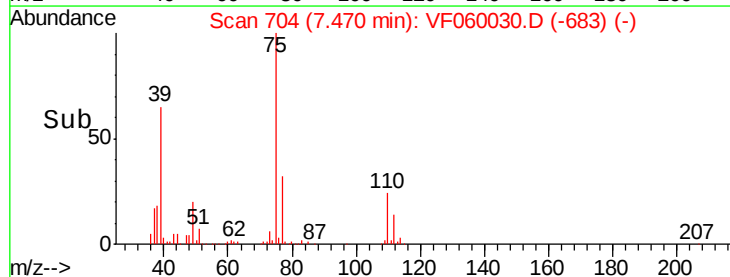
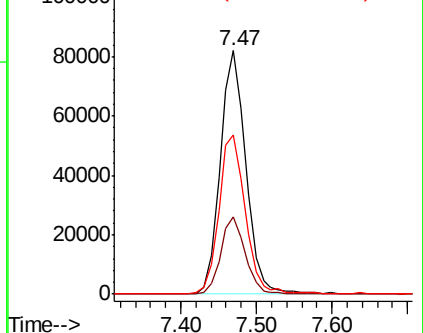
39 65.3 54.6 81.8

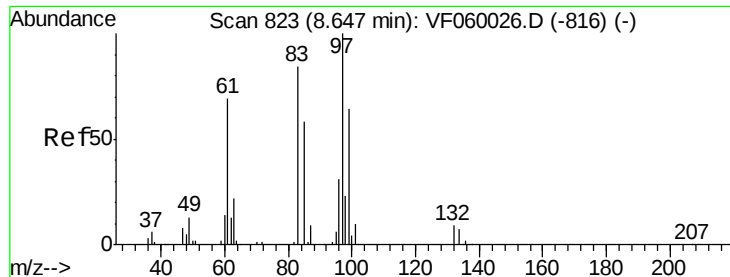


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 50.97 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

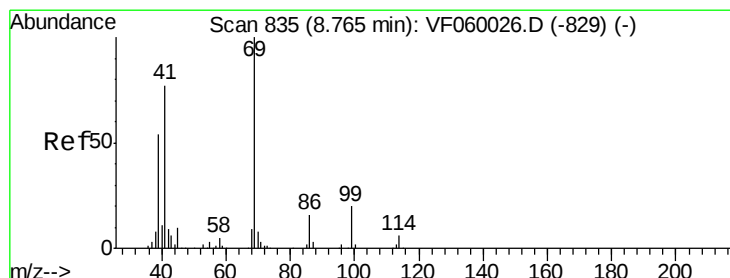
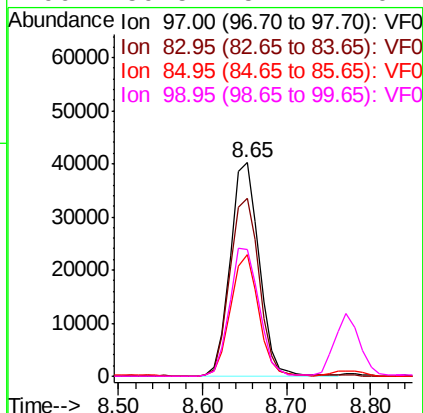
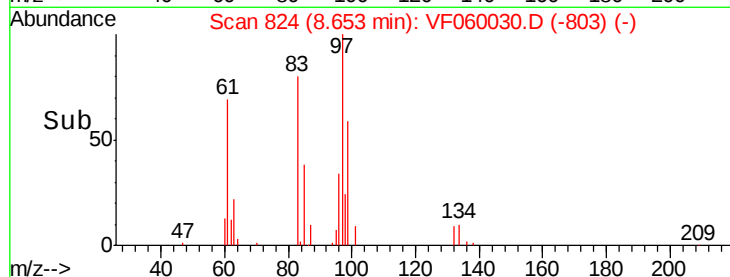
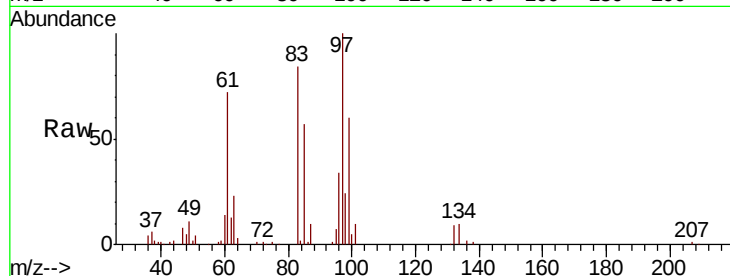
ClientSampleId :

ICVVF082118

Tot Ion:	97	Resp:	96873
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.4	101.2
85	56.7	46.2	69.2
99	59.5	51.1	76.7

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#56

Ethyl methacrylate

Concen: 51.78 ug/l

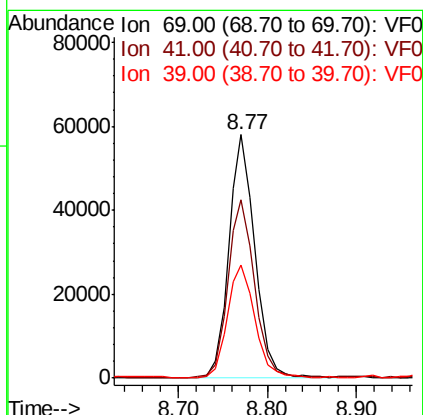
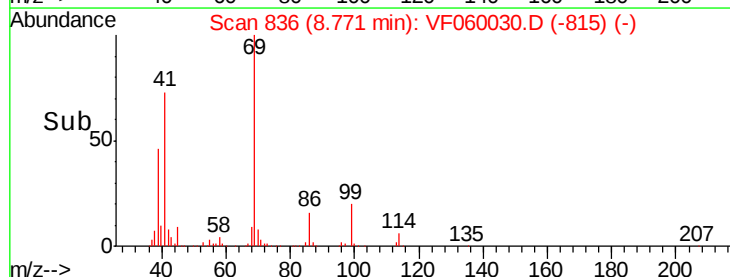
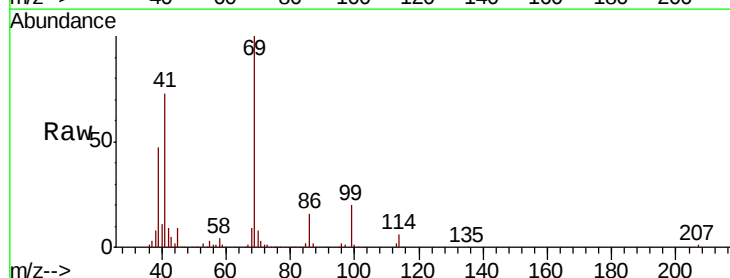
RT: 8.77 min Scan# 836

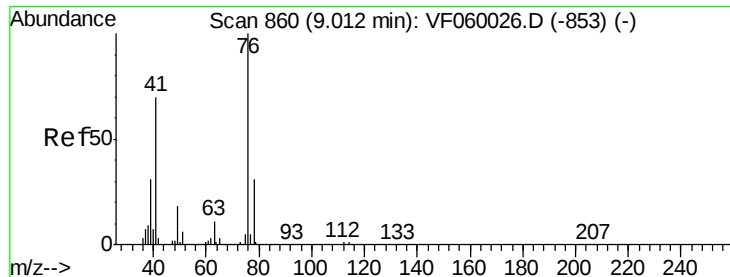
Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	69	Resp:	119101
Ion	Ratio	Lower	Upper
69	100		
41	73.2	61.6	92.4
39	46.6	43.9	65.9





#57

1,3-Dichloropropane

Concen: 49.19 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion: 76 Resp: 164320

Ion Ratio Lower Upper

76 100

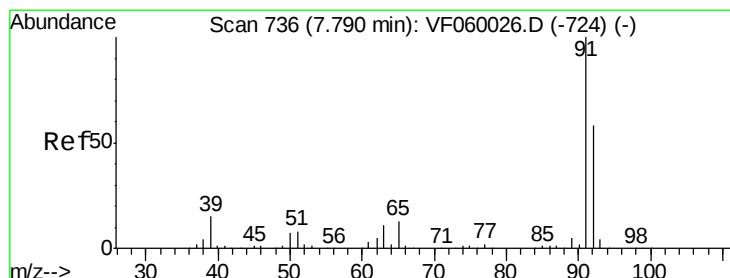
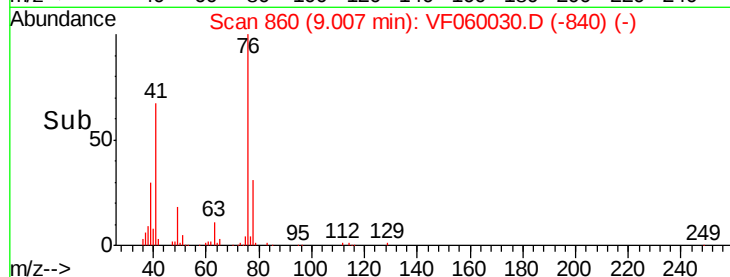
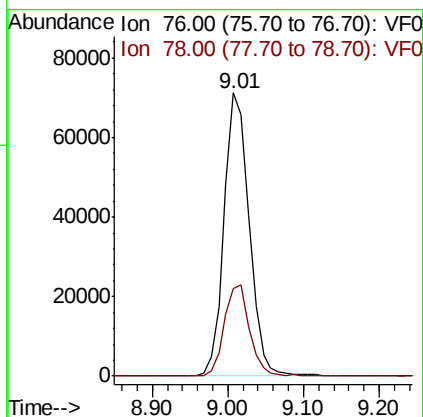
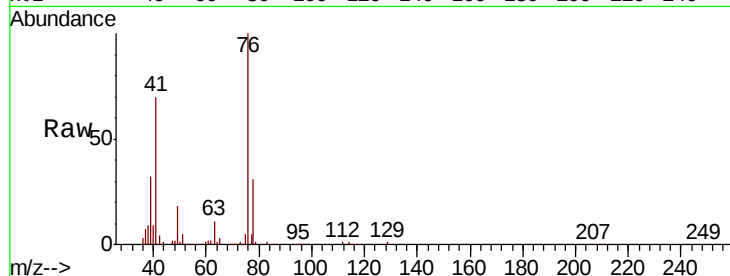
78 30.9 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 224.71 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF060030.D

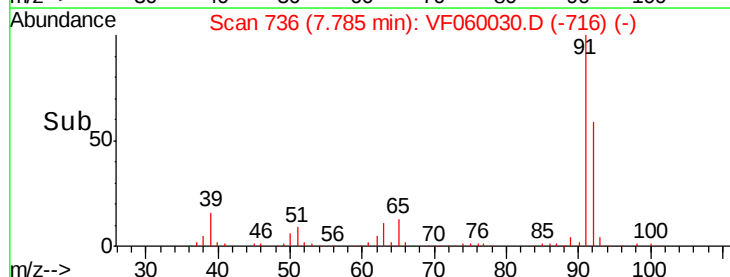
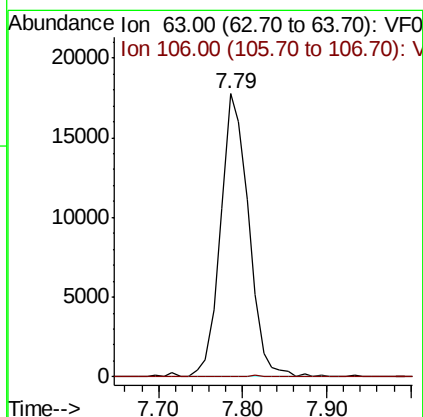
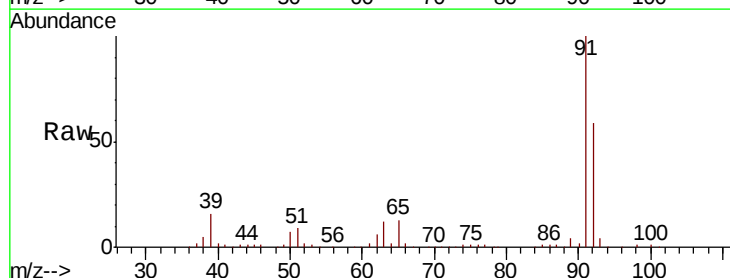
Acq: 21 Aug 2018 20:42

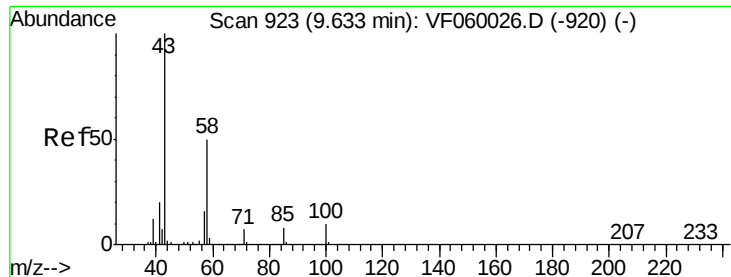
Tgt Ion: 63 Resp: 41030

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 241.83 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion: 43 Resp: 410200

Ion Ratio Lower Upper

43 100

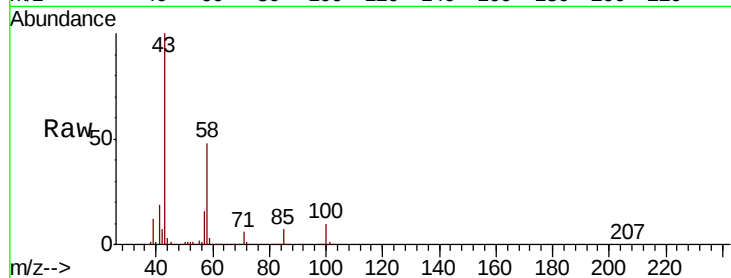
58 48.3 23.4 70.2

Manual Integrations

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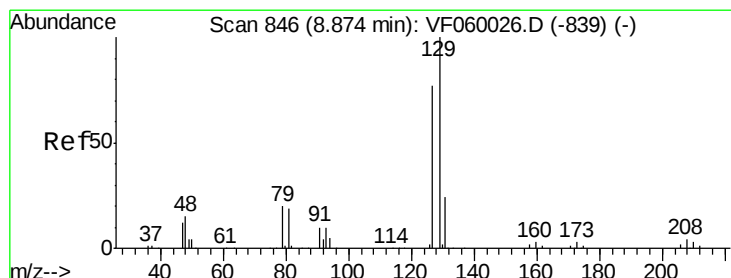
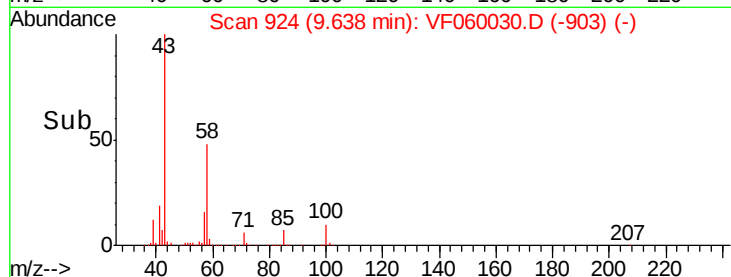
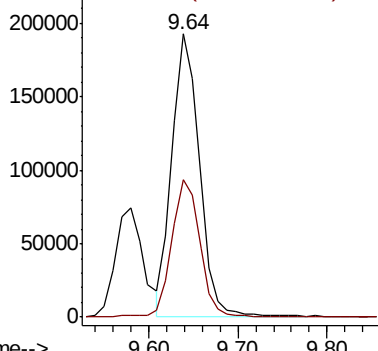
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 50.67 ug/l

RT: 8.88 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060030.D

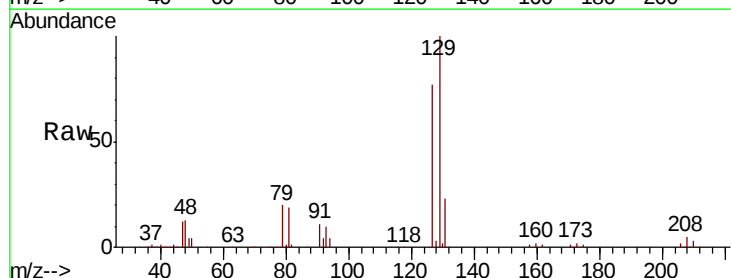
Acq: 21 Aug 2018 20:42

Tgt Ion: 129 Resp: 142161

Ion Ratio Lower Upper

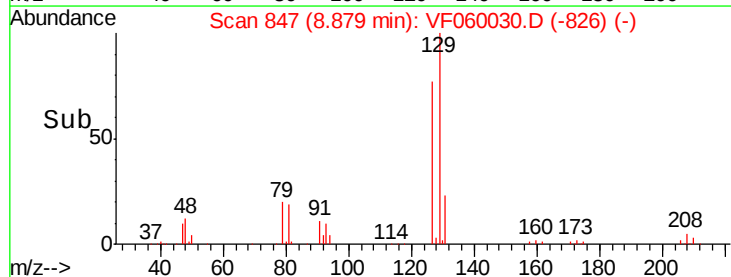
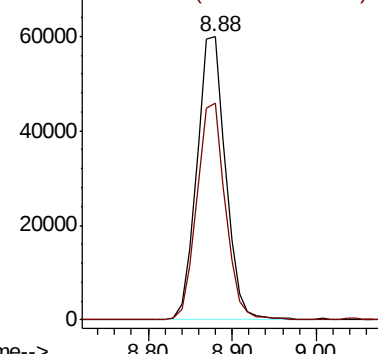
129 100

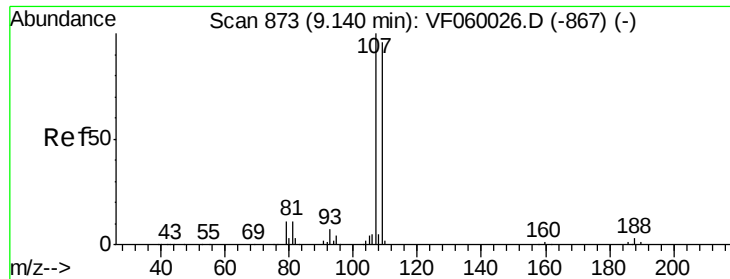
127 76.7 38.6 115.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 48.73 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion:107 Resp: 108752

Ion Ratio Lower Upper

107 100

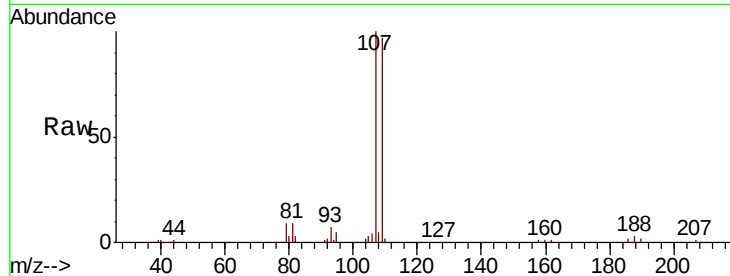
109 97.5 76.5 114.7

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

50000

40000

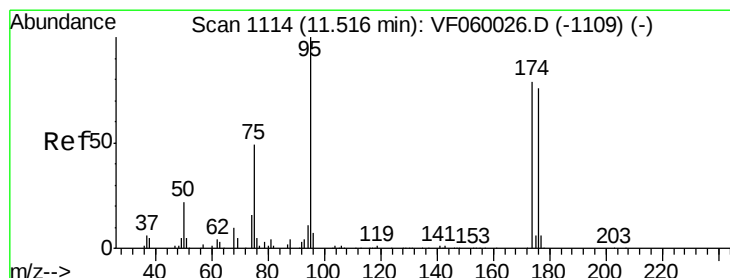
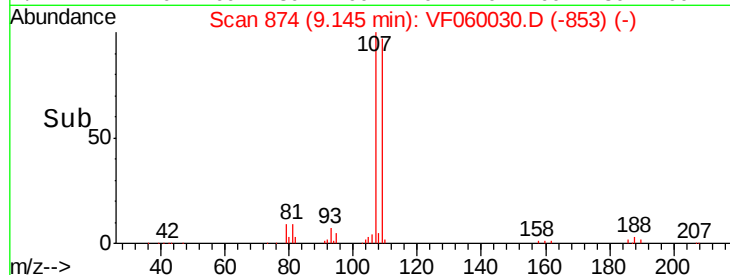
30000

20000

10000

0

Time--> 9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 46.90 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

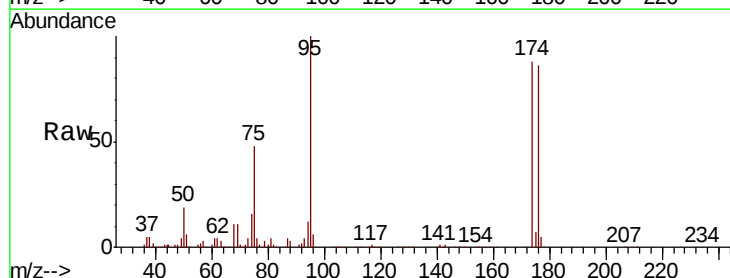
Tgt Ion: 95 Resp: 189831

Ion Ratio Lower Upper

95 100

174 87.8 0.0 158.4

176 86.2 0.0 153.0



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

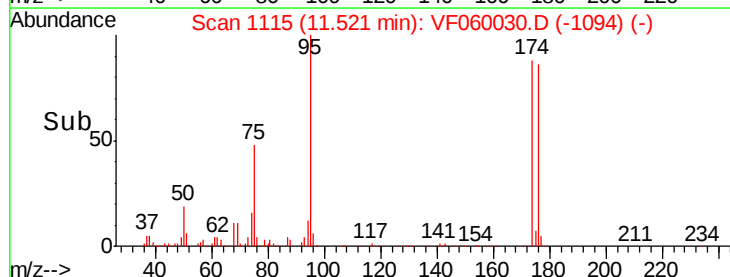
150000

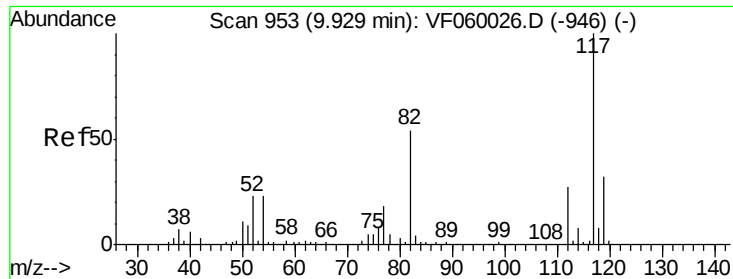
100000

50000

0

Time--> 11.40 11.50 11.60 11.70





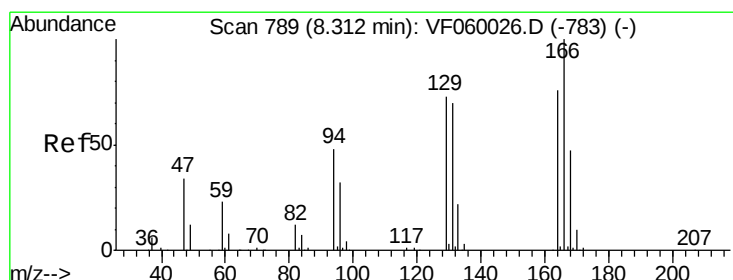
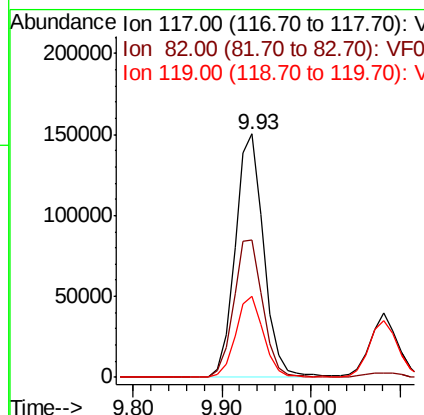
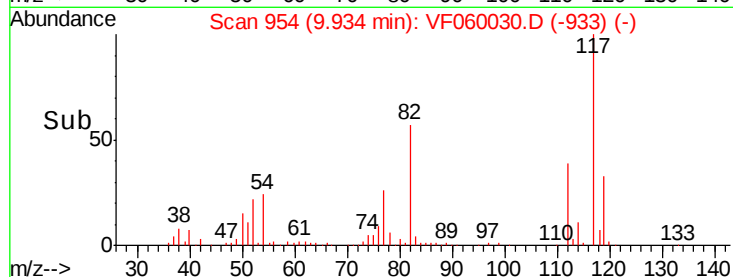
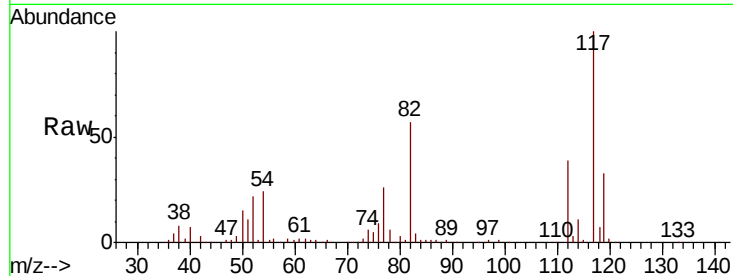
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Resp	Lower	Upper
117	100	334025		
82	56.6	43.6	65.4	
119	33.4	25.6	38.4	

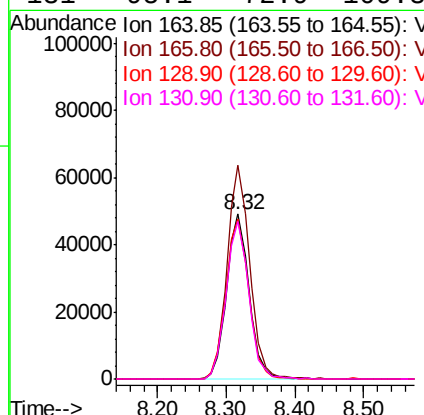
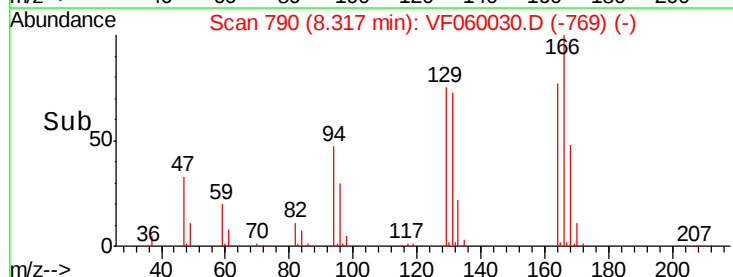
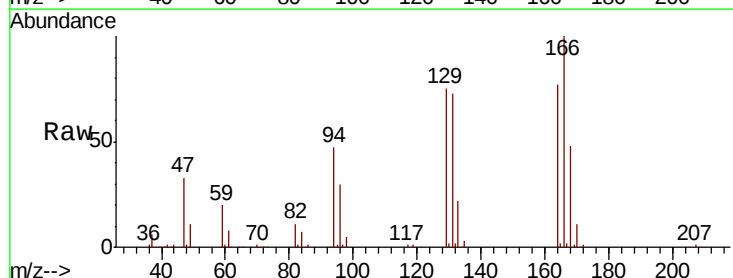
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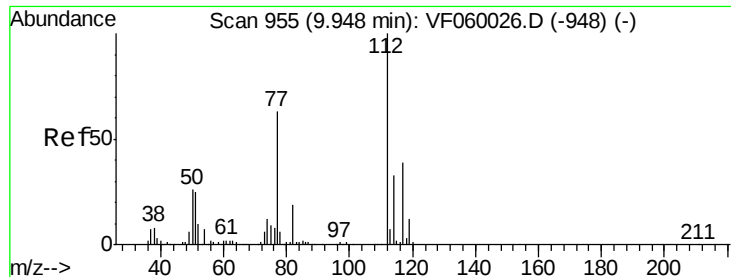
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#64
Tetrachloroethene
Concen: 49.66 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111735		
166	129.5	104.7	157.1	
129	97.0	77.0	115.4	
131	95.1	72.9	109.3	





#65

Chlorobenzene

Concen: 49.49 ug/l

RT: 9.95 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion:112 Resp: 312175

Ion Ratio Lower Upper

112 100

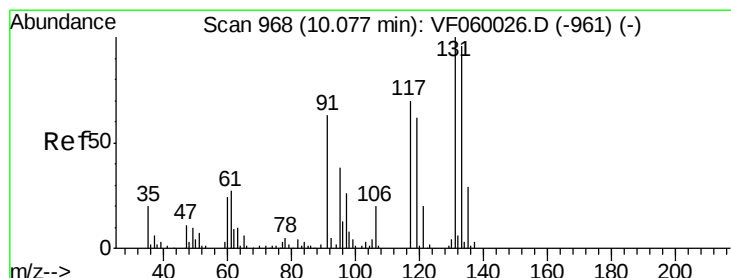
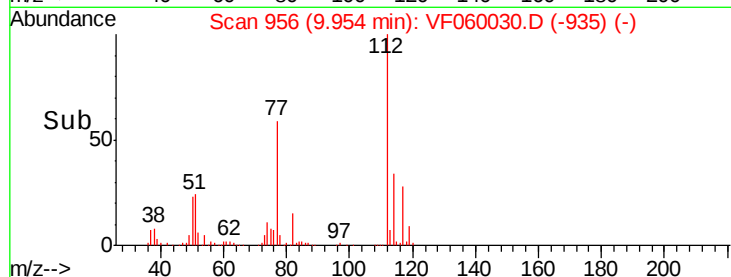
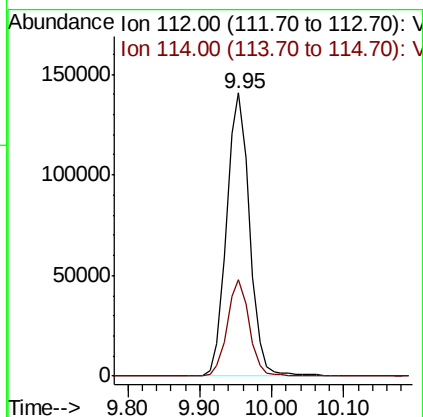
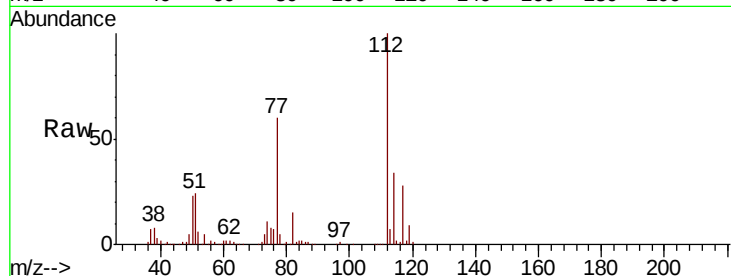
114 33.9 26.2 39.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.39 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

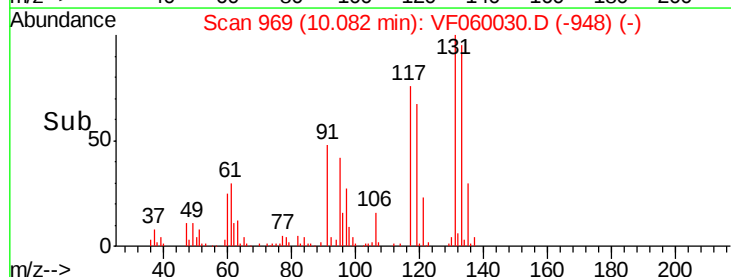
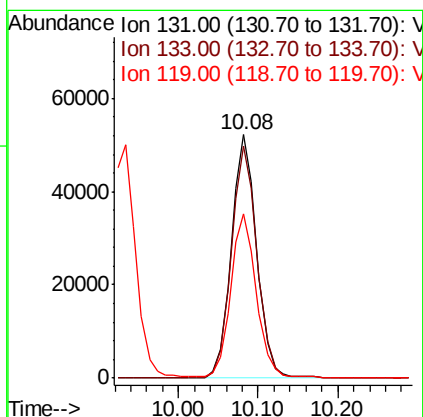
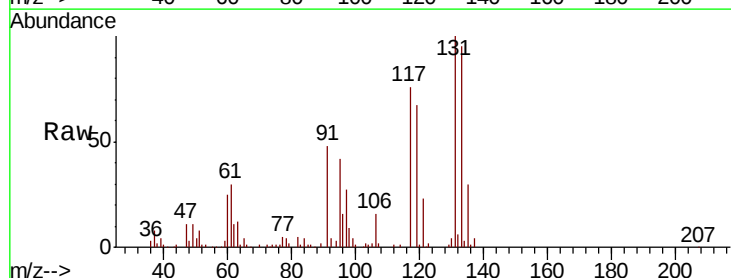
Tgt Ion:131 Resp: 115767

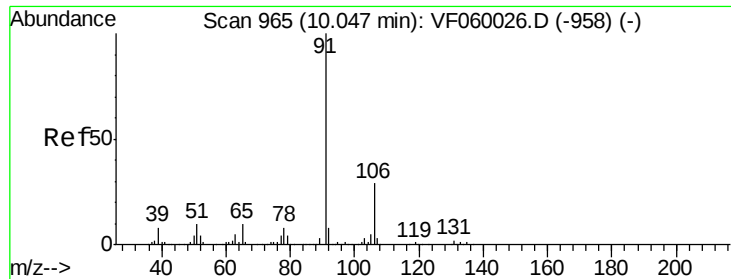
Ion Ratio Lower Upper

131 100

133 95.2 48.2 144.6

119 67.4 31.4 94.2





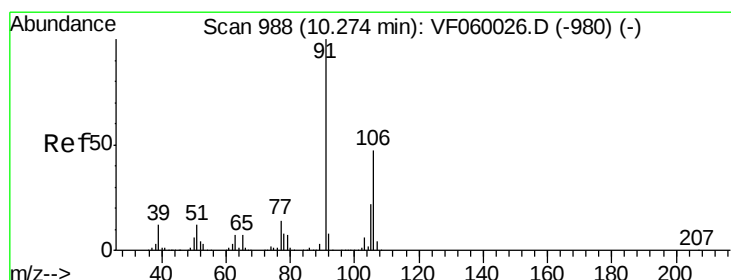
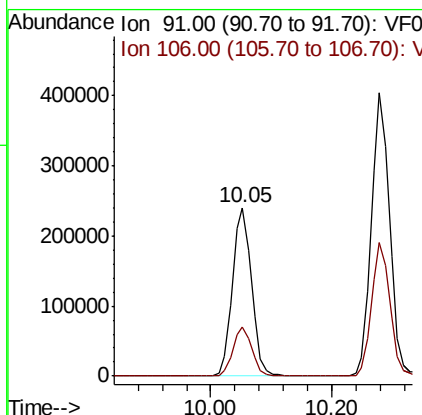
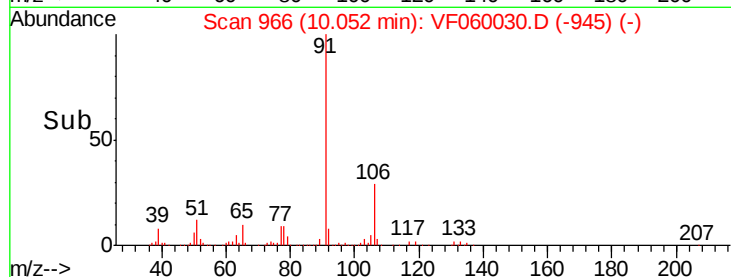
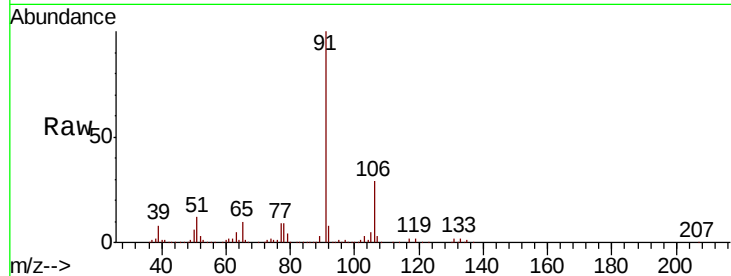
#67
Ethyl Benzene
Concen: 48.59 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion: 91 Resp: 528871
Ion Ratio Lower Upper
91 100
106 29.0 23.6 35.4

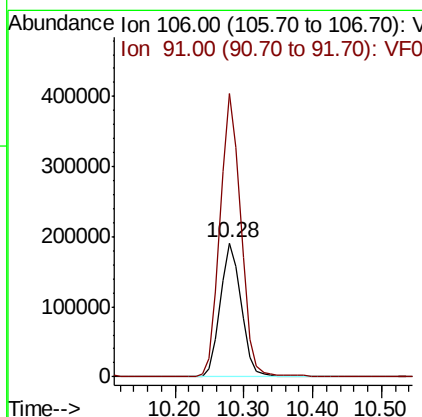
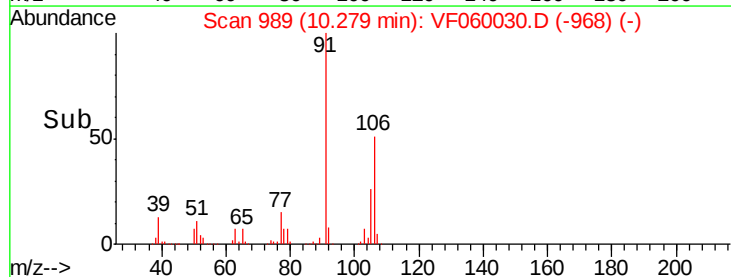
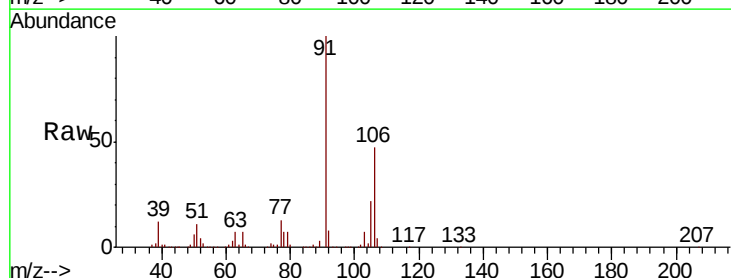
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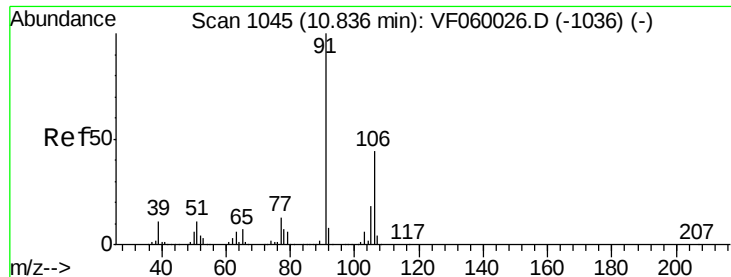
apatel
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#68
m/p-Xylenes
Concen: 115.60 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion: 106 Resp: 405172
Ion Ratio Lower Upper
106 100
91 211.4 171.8 257.8





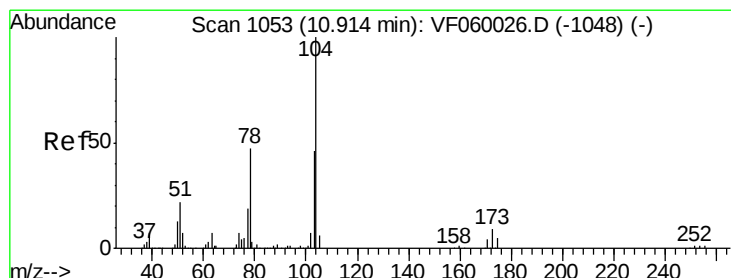
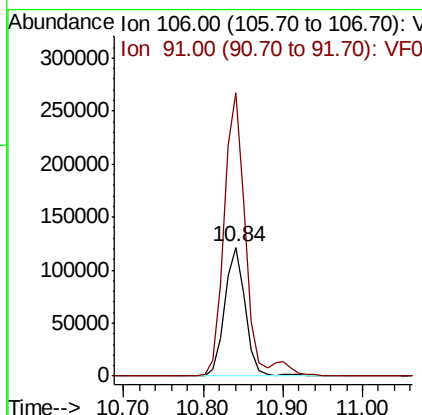
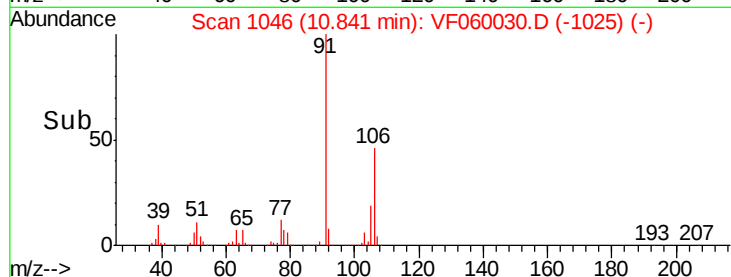
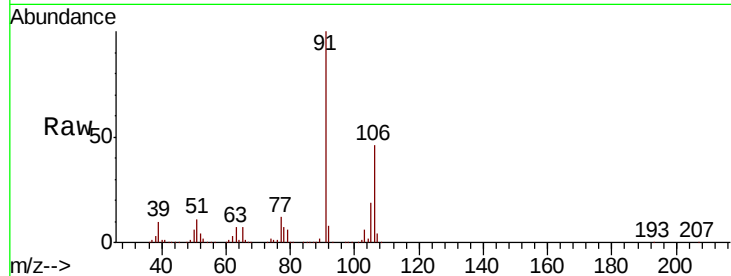
#69
o-Xylene
Concen: 52.19 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		222540		
91	219.6	112.5	337.5		

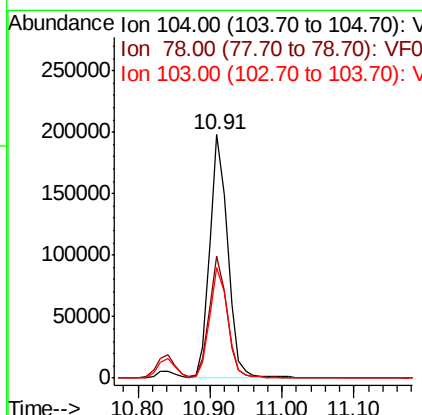
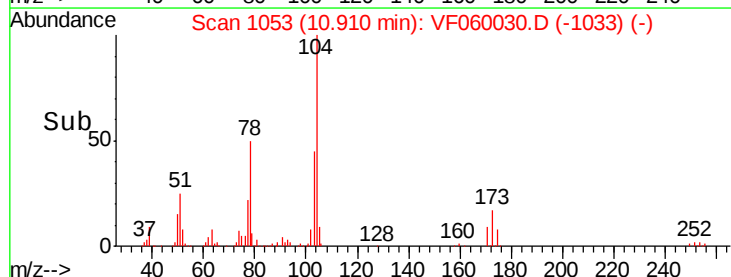
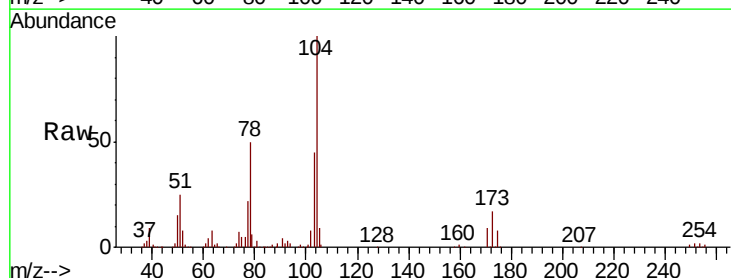
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#70
Styrene
Concen: 51.98 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		340021		
78	49.9	38.0	57.0		
103	45.3	37.6	56.4		





#71

Bromoform

Concen: 54.54 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion:173 Resp: 91036

Ion Ratio Lower Upper

173 100

175 49.8 24.7 74.1

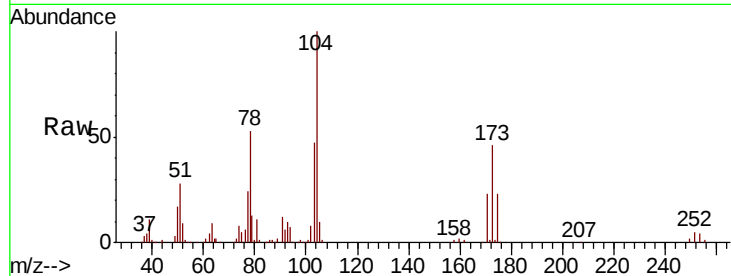
254 0.0 0.0 0.0

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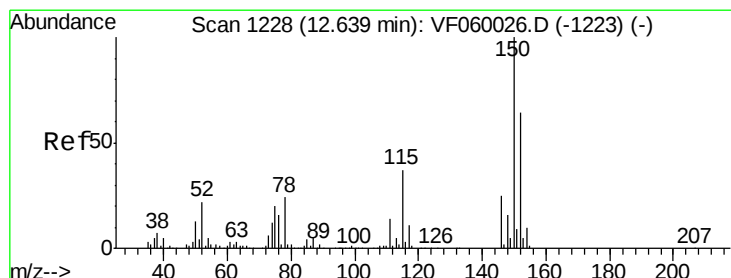
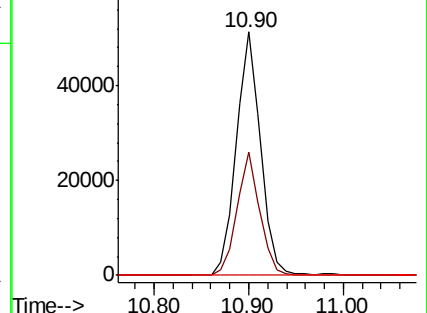
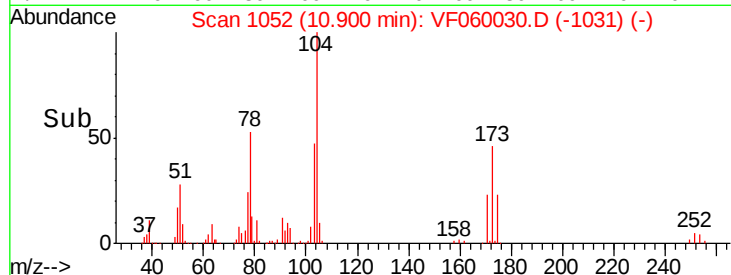
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Abundance Ion 173.00 (172.70 to 173.70): V

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: 12.64 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

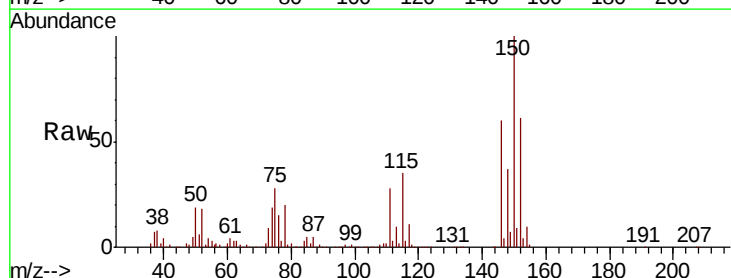
Tgt Ion:152 Resp: 203669

Ion Ratio Lower Upper

152 100

115 56.5 28.6 85.9

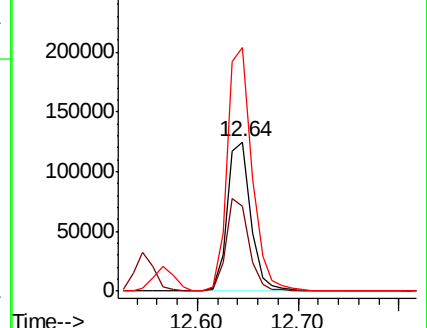
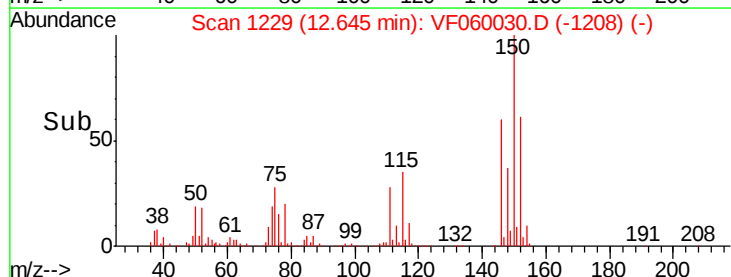
150 162.9 0.0 312.0

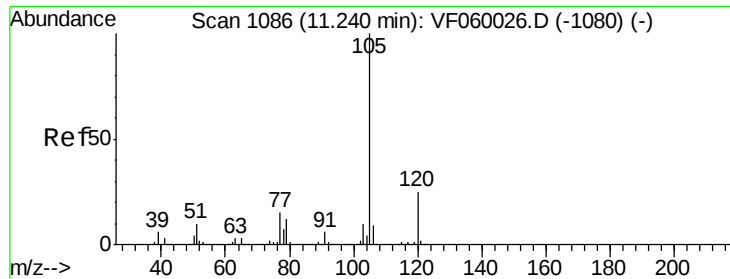


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.59 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion:105 Resp: 620224

Ion Ratio Lower Upper

105 100

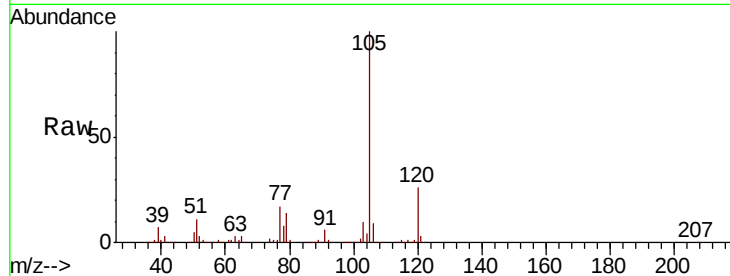
120 25.6 12.7 38.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

400000

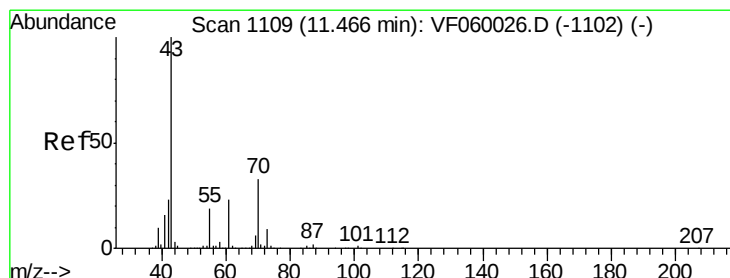
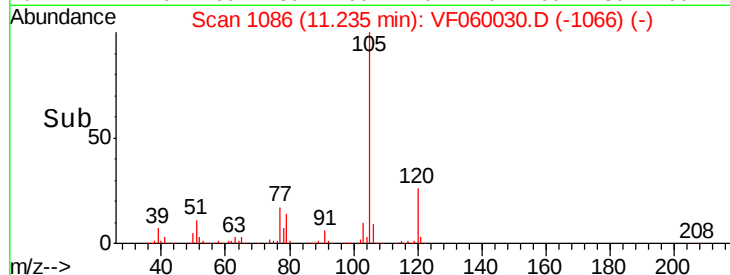
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 55.17 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion: 43 Resp: 210249

Ion Ratio Lower Upper

43 100

70 36.7 26.4 39.6

55 21.1 15.0 22.4

61 25.1 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

200000

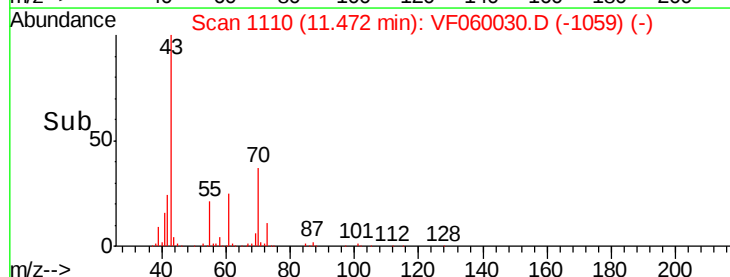
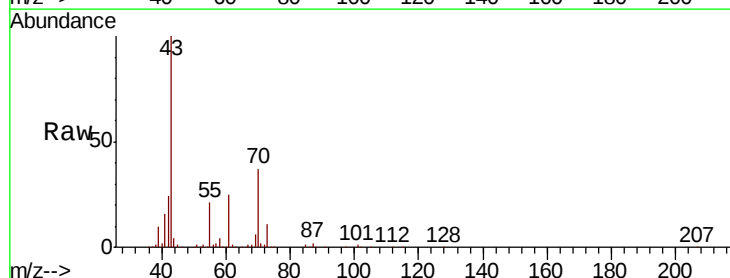
150000

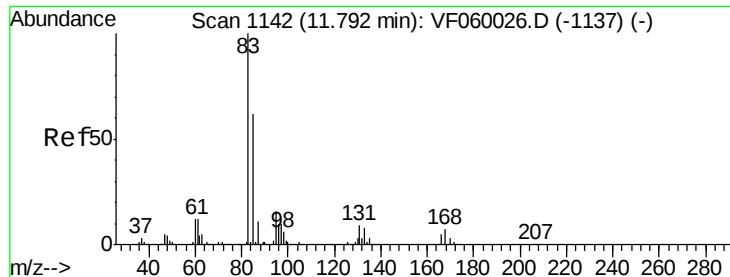
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.47 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

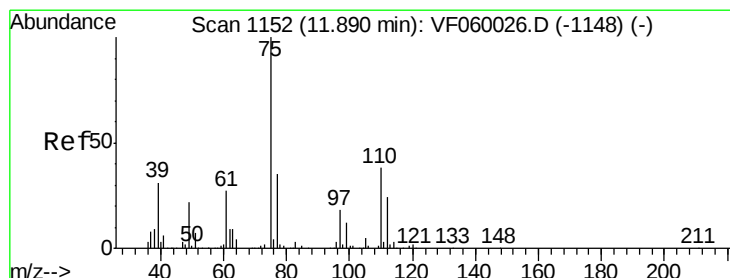
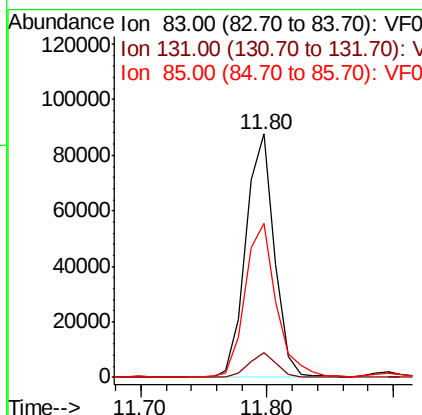
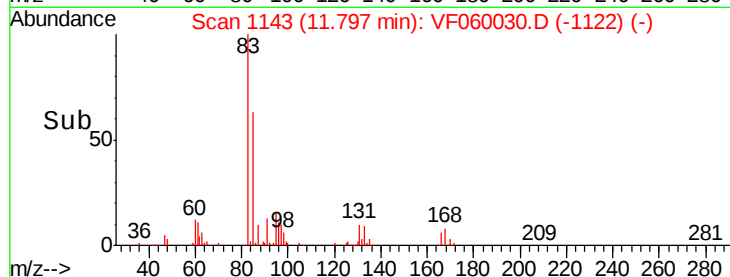
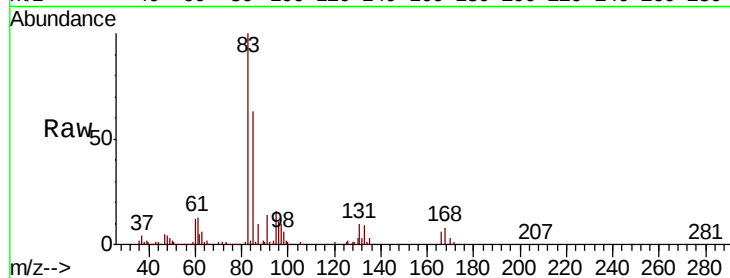
ClientSampleId :

ICVVF082118

Tot Ion:	83	Resp:	137796
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.5	13.7
85	63.3	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 50.23 ug/l

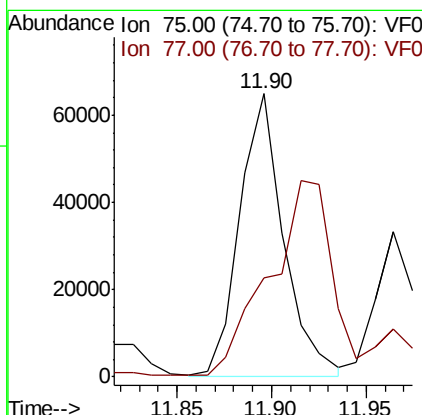
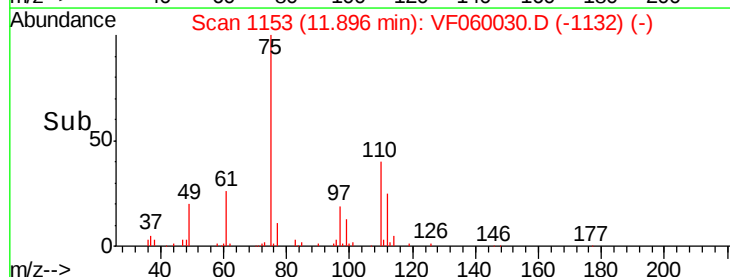
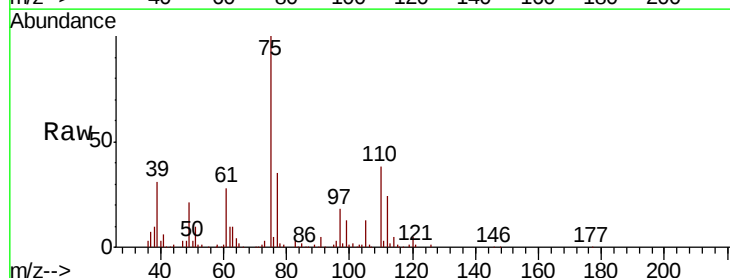
RT: 11.90 min Scan# 1153

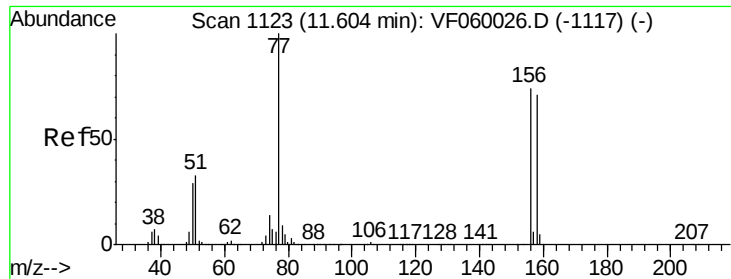
Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	75	Resp:	104299
Ion Ratio	Lower	Upper	
75	100		
77	35.0	17.3	52.0





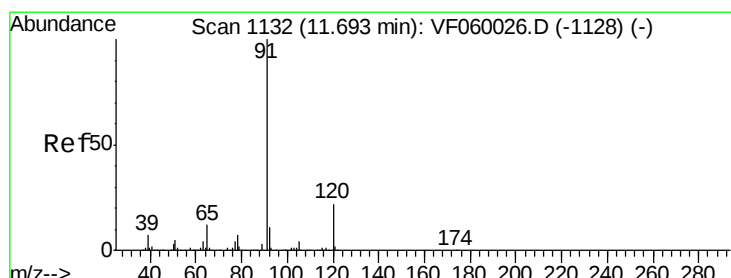
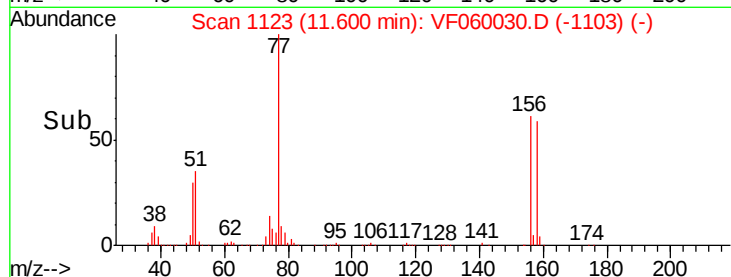
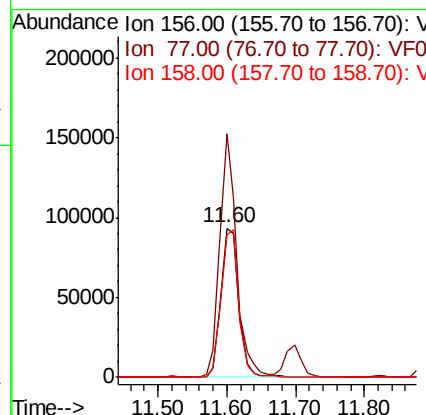
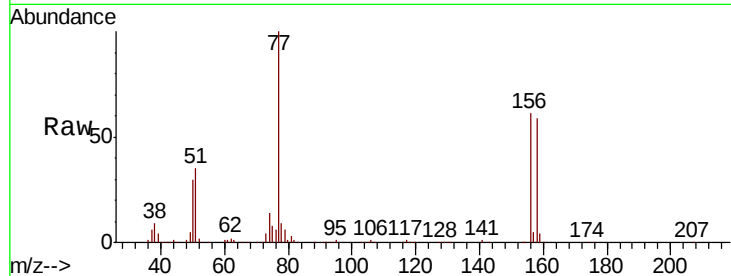
#77
Bromobenzene
Concen: 50.37 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	162.9	68.0	204.0	
158	95.6	48.4	145.3	

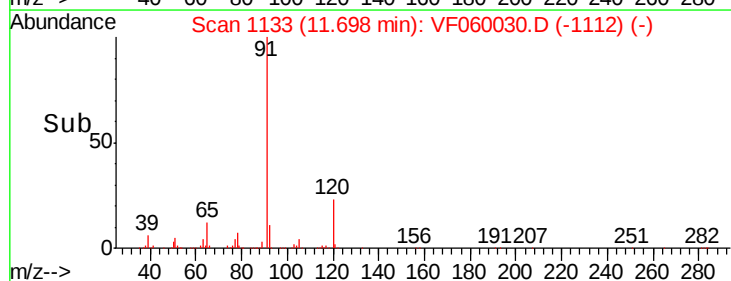
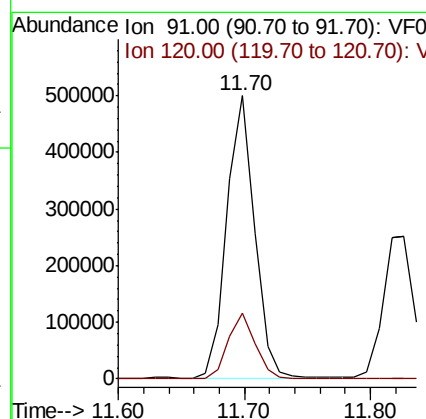
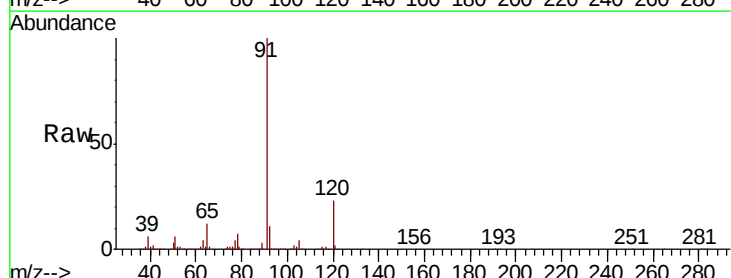
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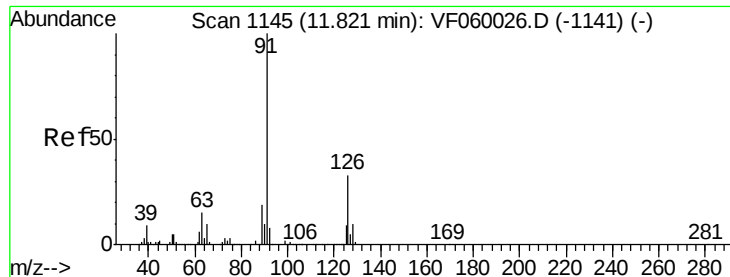
apatel
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#78
n-propylbenzene
Concen: 50.56 ug/l
RT: 11.70 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.2	10.9	32.7	





#79

2-Chlorotoluene

Concen: 47.68 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

ClientSampleId :

ICVVF082118

Tot Ion: 91 Resp: 424242

Ion Ratio Lower Upper

91 100

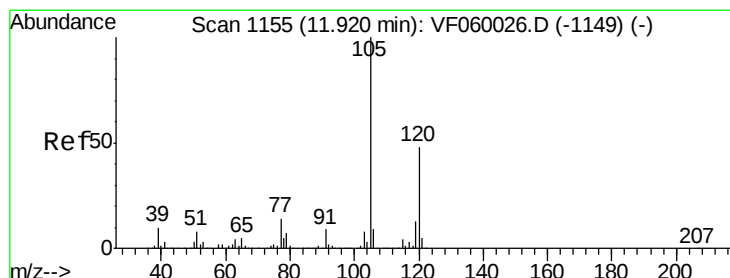
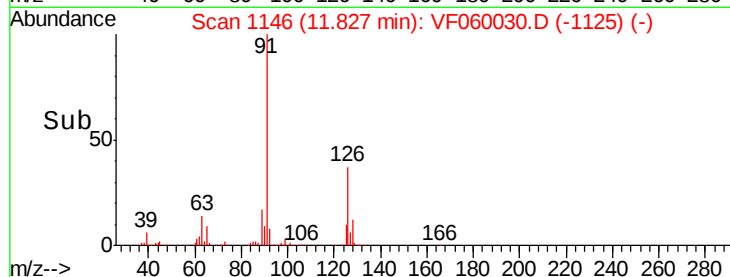
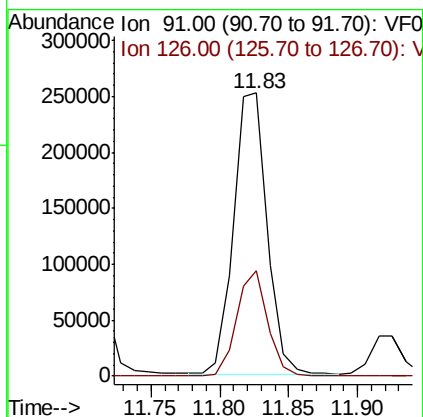
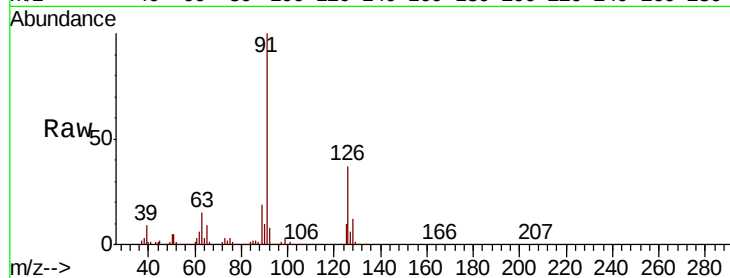
126 37.2 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 50.31 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VF060030.D

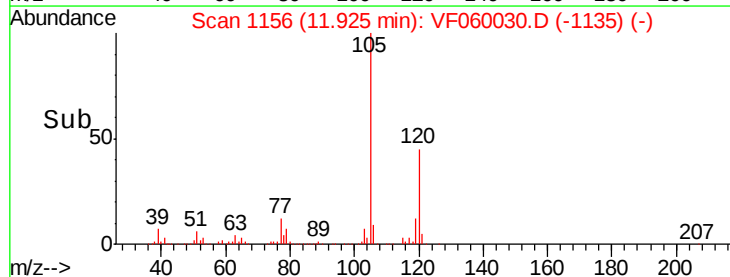
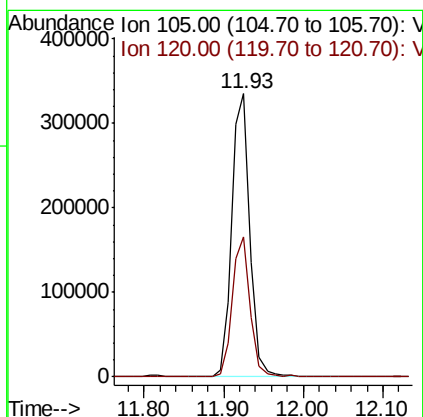
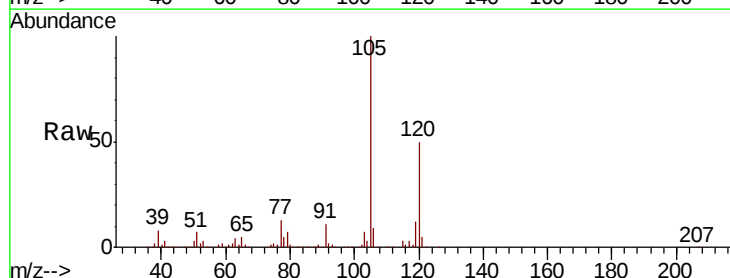
Acq: 21 Aug 2018 20:42

Tgt Ion: 105 Resp: 537331

Ion Ratio Lower Upper

105 100

120 49.7 23.8 71.5





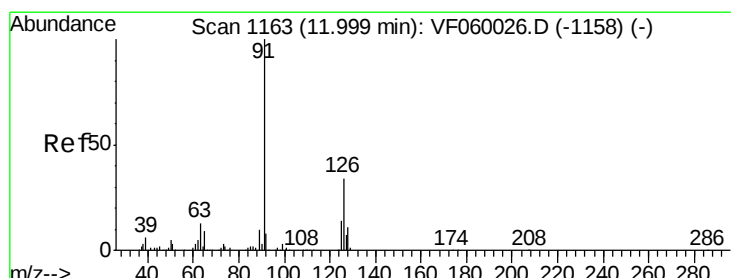
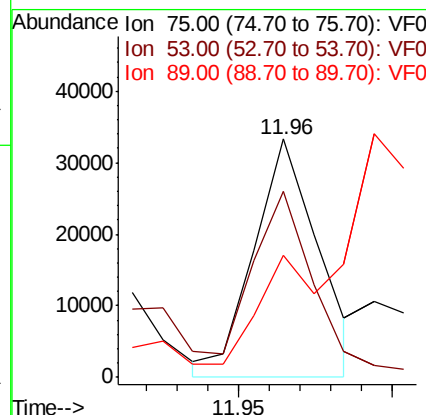
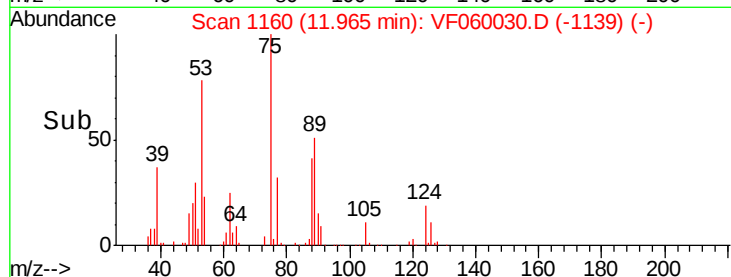
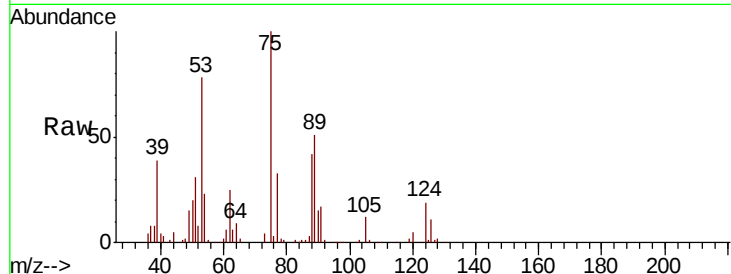
#81
trans-1,4-Dichloro-2-butene
Concen: 51.39 ug/l m
RT: 11.96 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Lower	Upper
75	100		
53	78.3	66.2	99.4
89	51.3	42.8	64.2

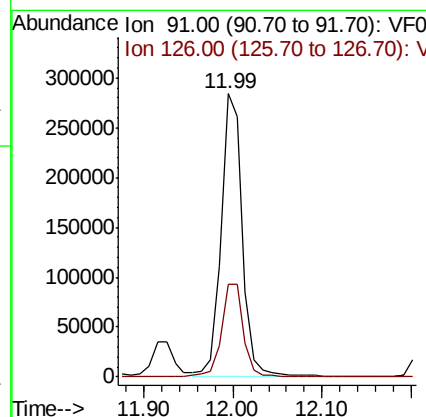
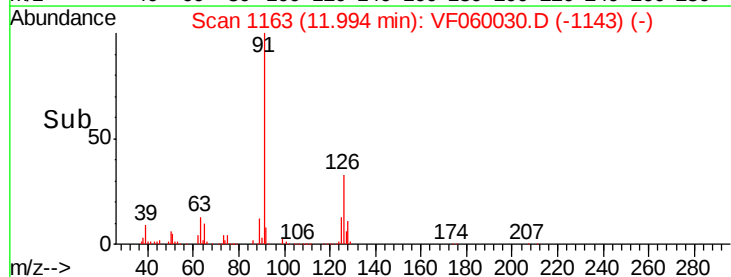
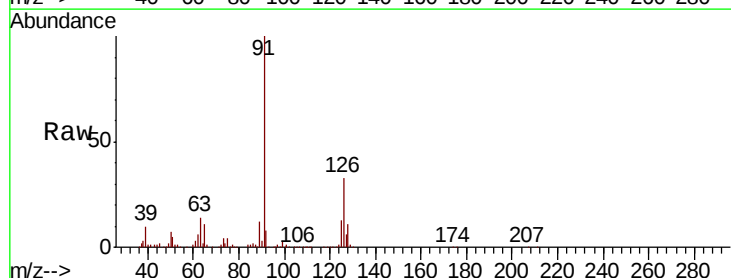
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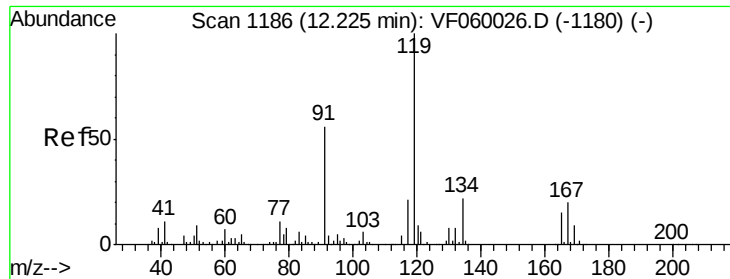
apatel
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#82
4-Chlorotoluene
Concen: 48.76 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	17.0	50.9





#83

tert-Butylbenzene

Concen: 50.35 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

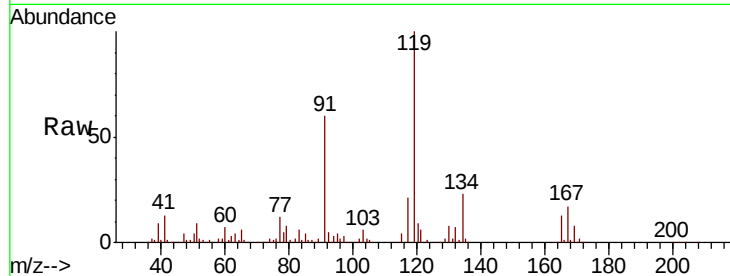
ClientSampleId :

ICVVF082118

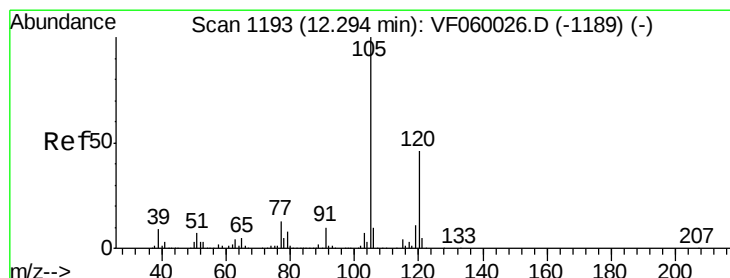
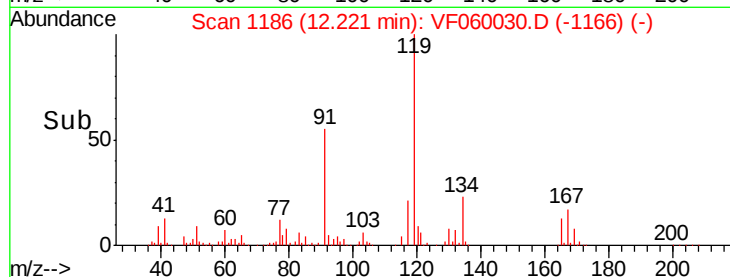
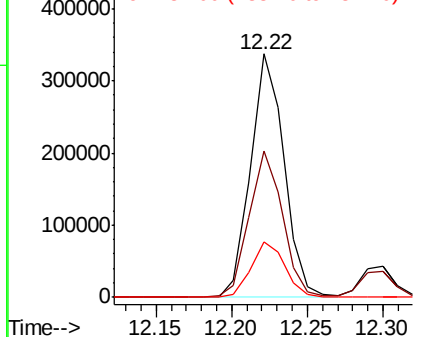
Tot Ion:	119	Resp:	524540
Ion Ratio	Lower	Upper	
119	100		
91	60.0	28.1	84.3
134	22.8	11.1	33.3

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.56 ug/l

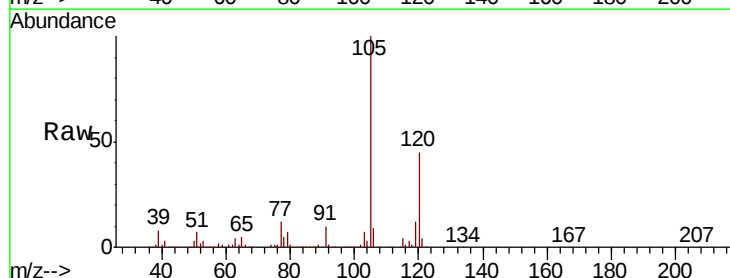
RT: 12.30 min Scan# 1194

Delta R.T. 0.01 min

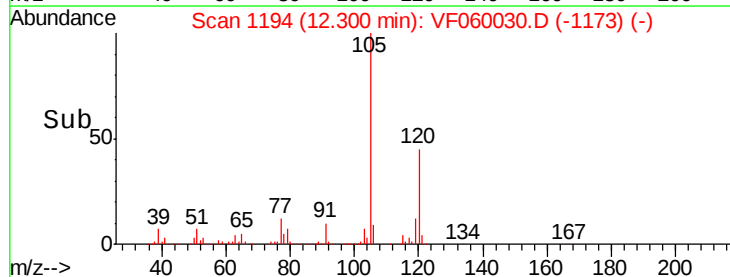
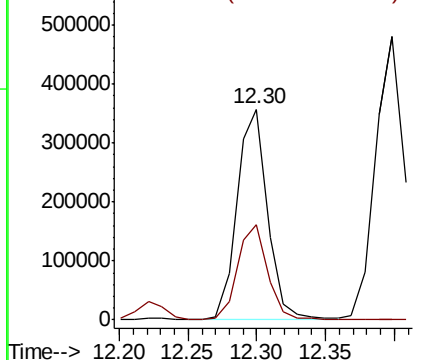
Lab File: VF060030.D

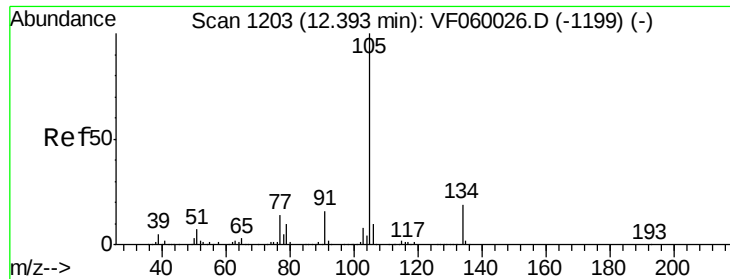
Acq: 21 Aug 2018 20:42

Tgt Ion:	105	Resp:	551347
Ion Ratio	Lower	Upper	
105	100		
120	45.0	23.3	69.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





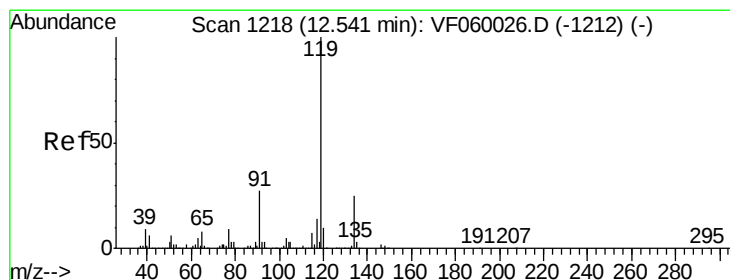
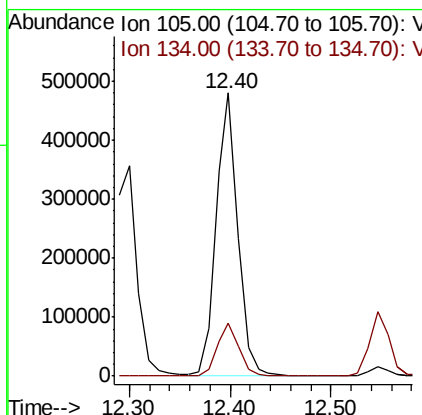
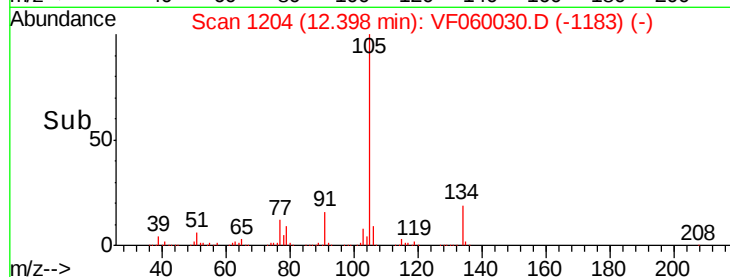
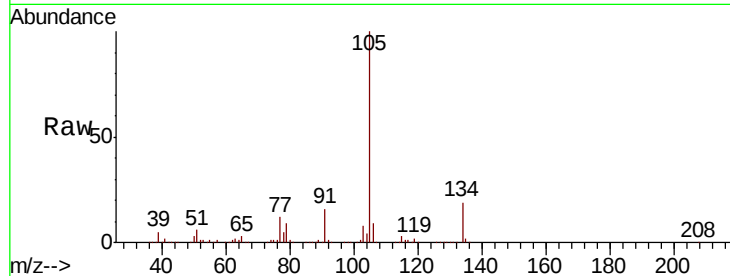
#85
 sec-Butylbenzene
 Concen: 49.50 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082118

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.3	27.9

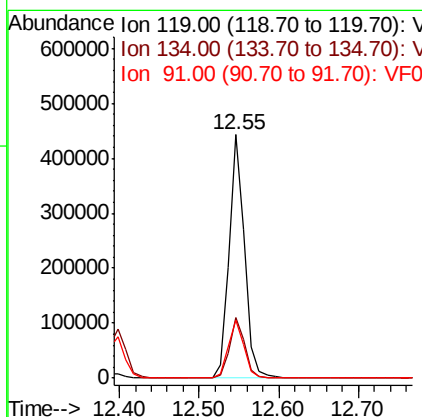
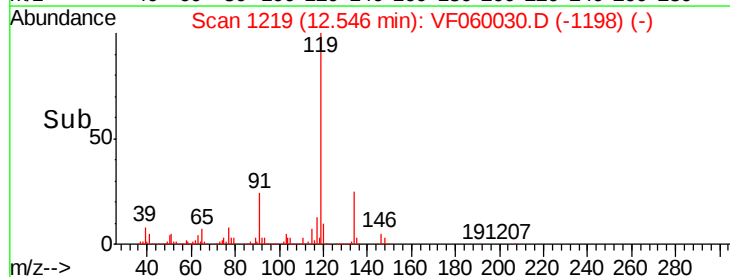
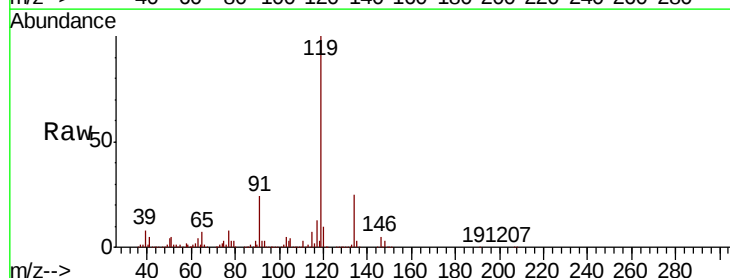
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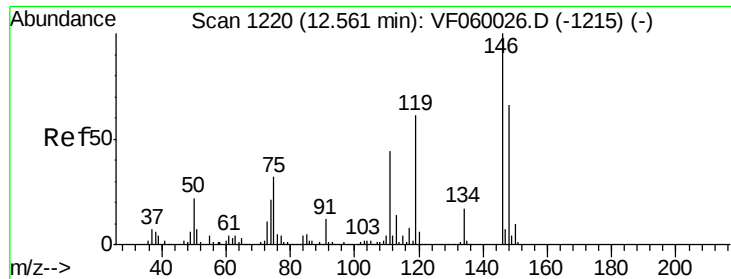
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#86
 p-Isopropyltoluene
 Concen: 50.29 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.4	37.2
91	24.0	13.5	40.4





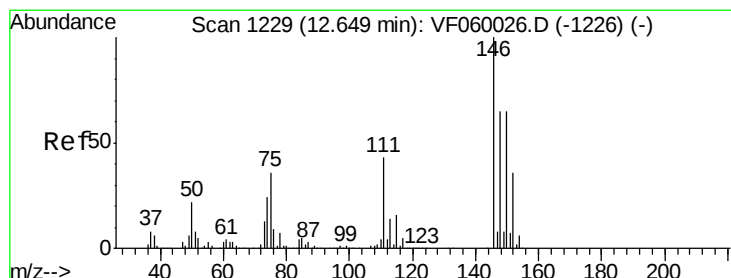
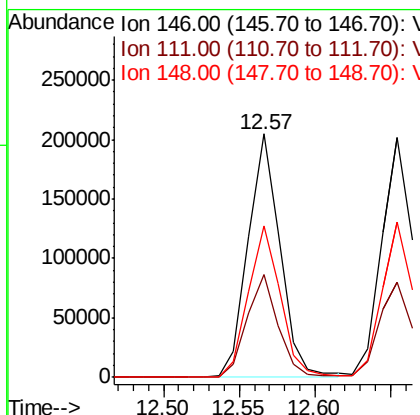
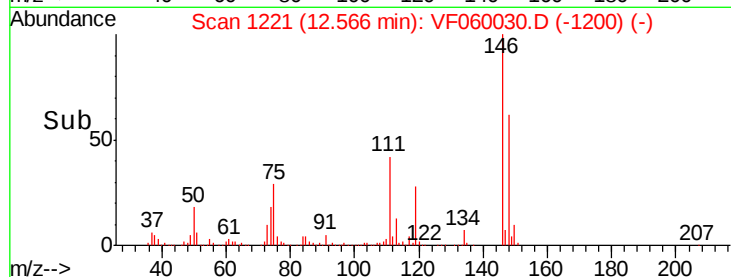
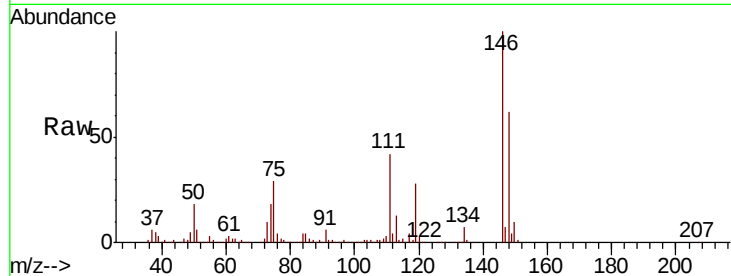
#87
 1,3-Dichlorobenzene
 Concen: 49.20 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF082118

Tot Ion	Ratio	Resp	Lower	Upper
146	100	303285		
111	42.1	21.9	65.5	
148	62.3	32.9	98.7	

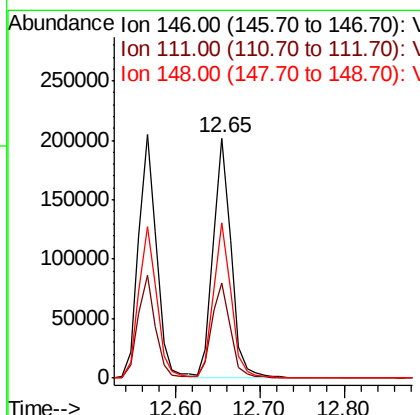
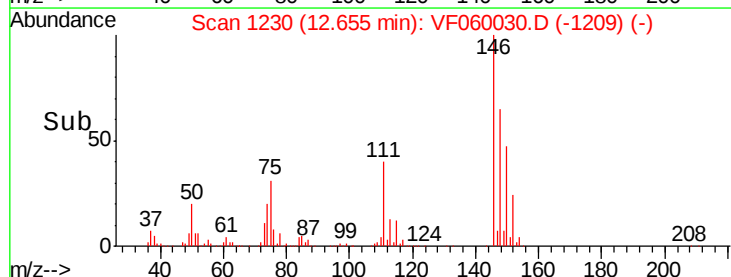
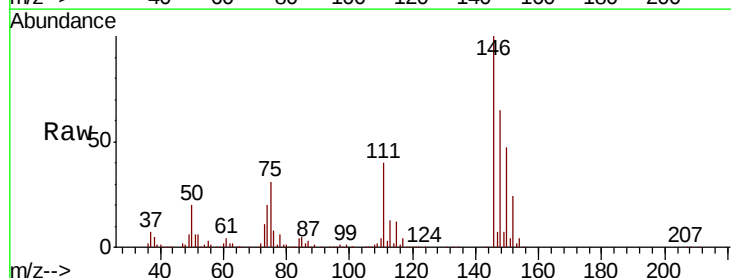
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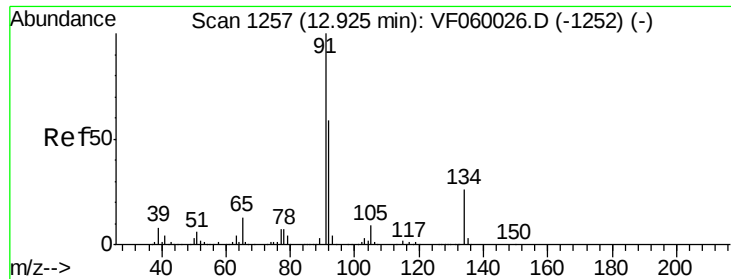
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#88
 1,4-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF060030.D
 Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	301356		
111	39.8	21.6	64.8	
148	64.6	32.3	96.8	





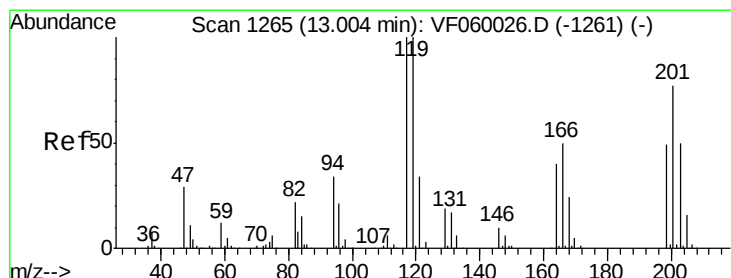
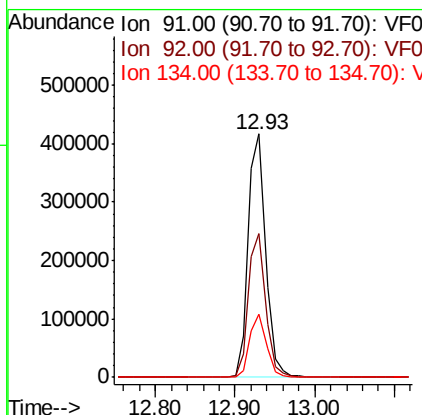
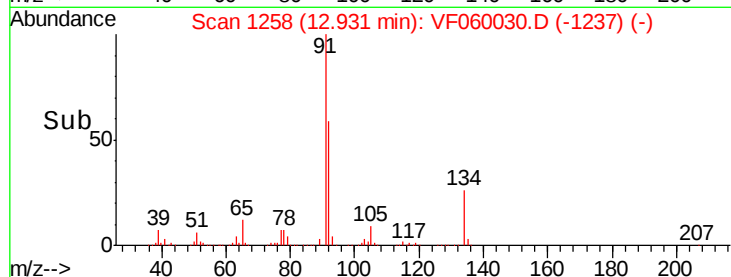
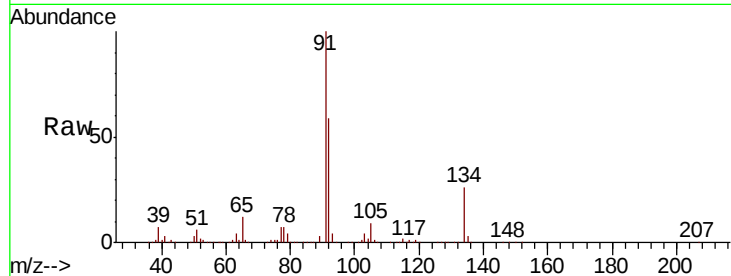
#89
n-Butylbenzene
Concen: 53.45 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.2	29.3	87.9
134	26.2	12.8	38.3

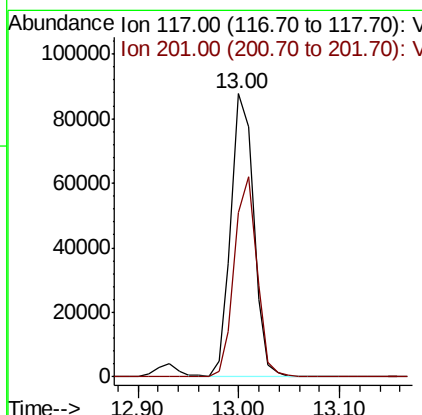
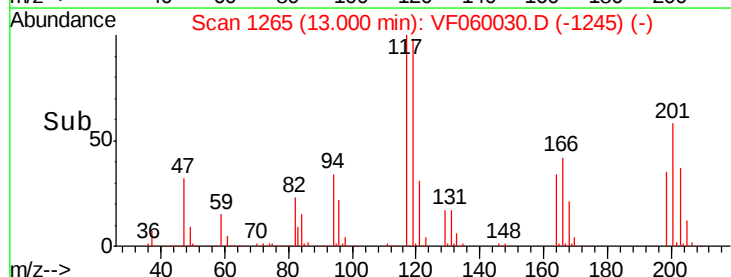
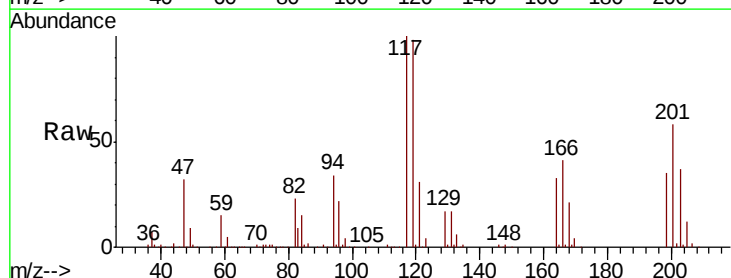
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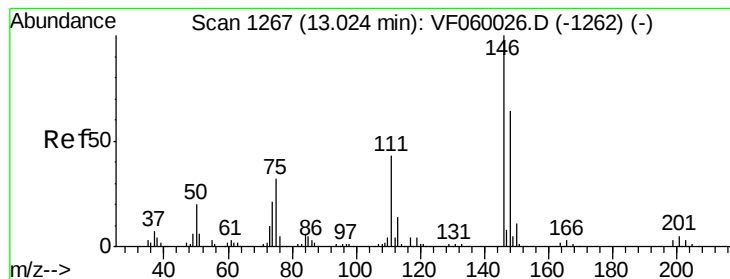
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#90
Hexachloroethane
Concen: 51.65 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.6	38.6	115.8





#91

1,2-Dichlorobenzene

Concen: 49.63 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Instrument :

MSVOA_F

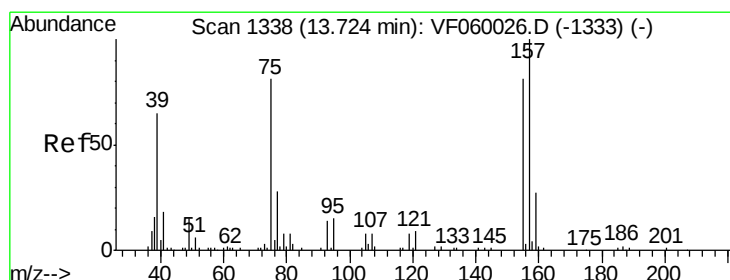
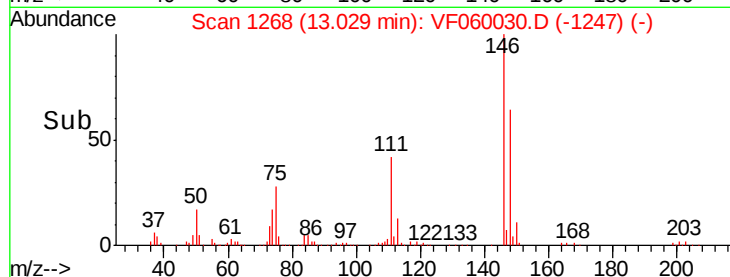
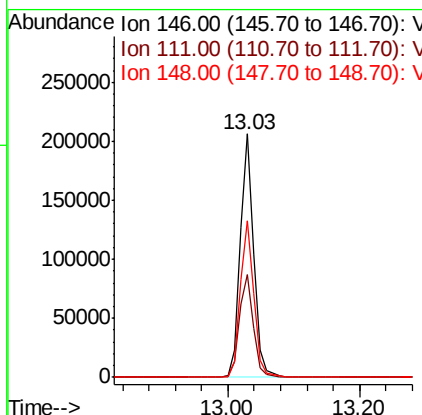
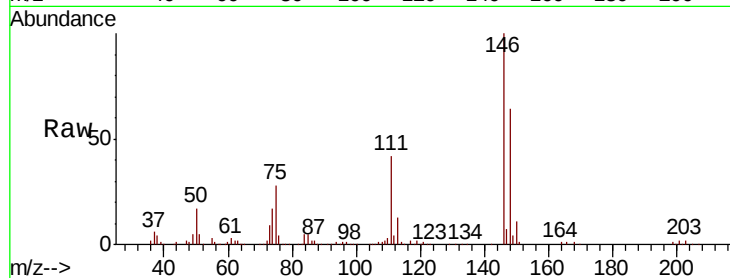
ClientSampleId :

ICVVF082118

Tot Ion:	146	Resp:	294227
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.6	64.6
148	64.1	32.3	96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 54.40 ug/l

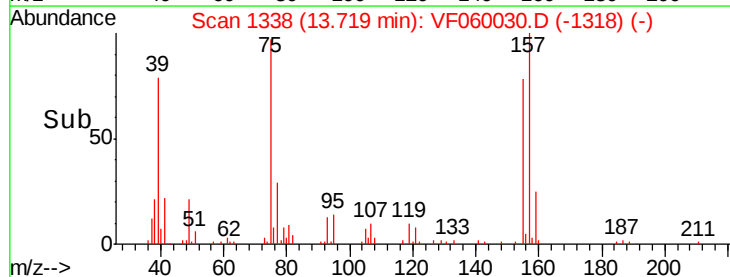
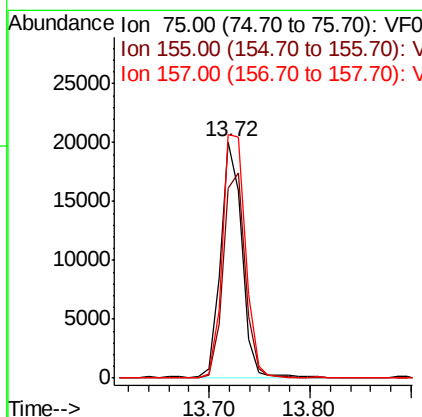
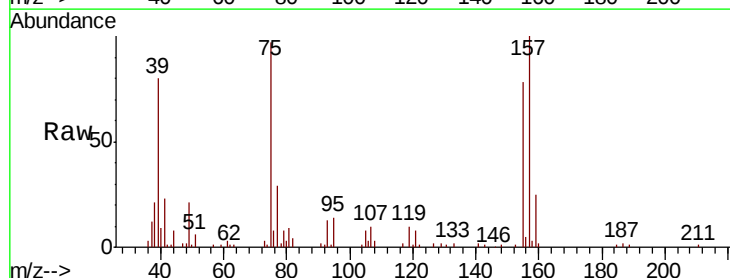
RT: 13.72 min Scan# 1338

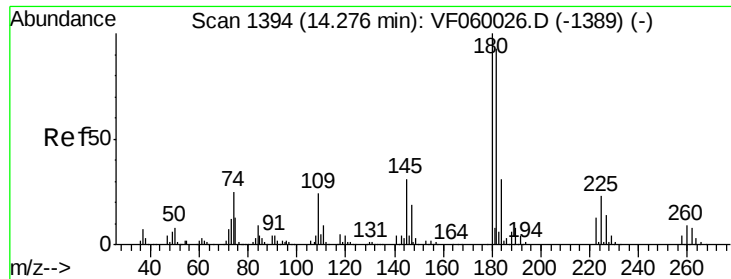
Delta R.T. -0.00 min

Lab File: VF060030.D

Acq: 21 Aug 2018 20:42

Tgt Ion:	75	Resp:	29766
Ion Ratio	Lower	Upper	
75	100		
155	80.3	49.8	149.3
157	103.1	61.6	184.7





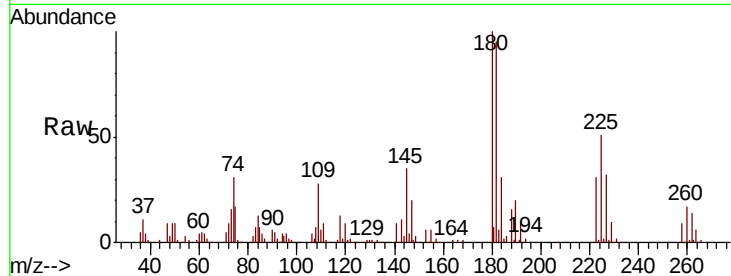
#93
1,2,4-Trichlorobenzene
Concen: 51.89 ug/l
RT: 14.27 min Scan# 1394
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Resp	Lower	Upper
180	100	226534		
182	94.7	46.8	140.3	
145	34.7	15.4	46.4	

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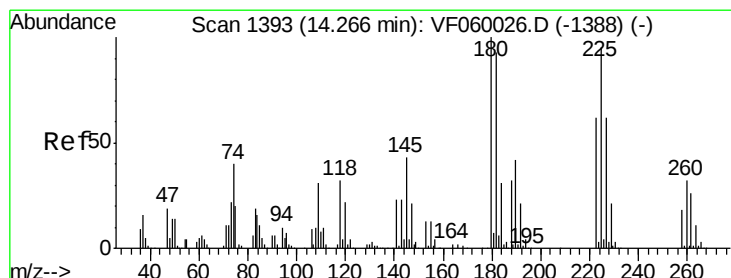
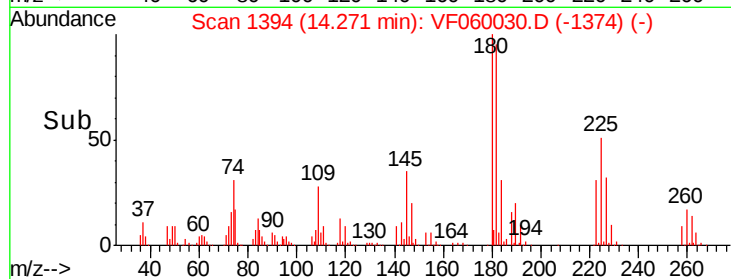
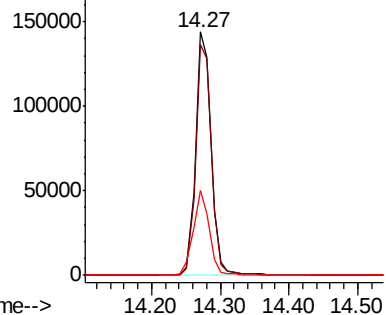


Abundance

Ion 180.00 (179.70 to 180.70): V

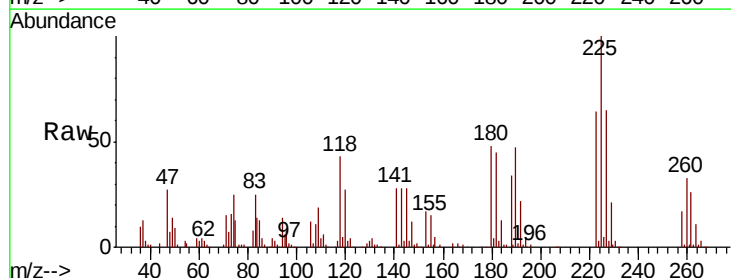
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 51.25 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	139266		
223	63.9	32.6	97.8	
227	64.6	33.0	98.9	

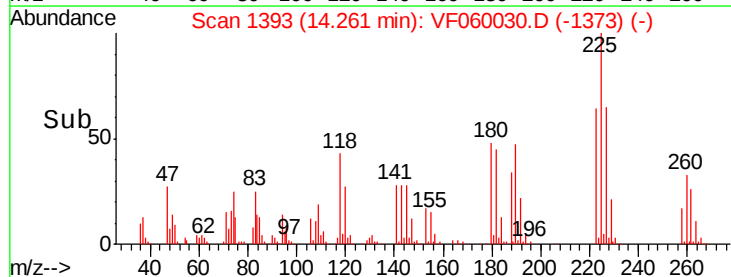
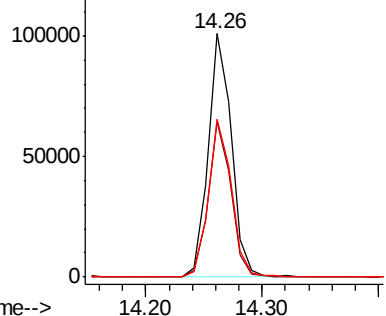


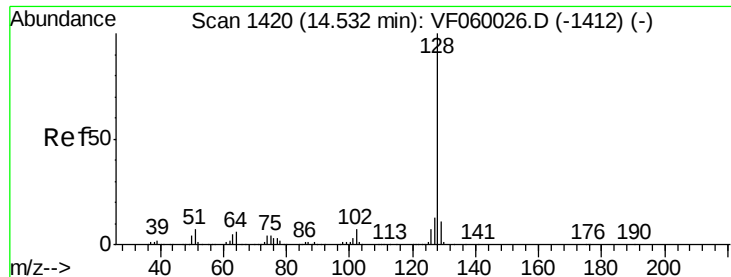
Abundance

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





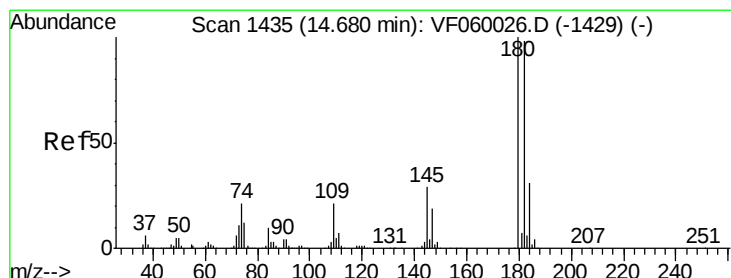
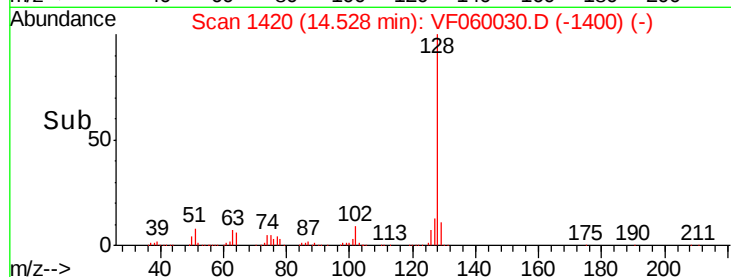
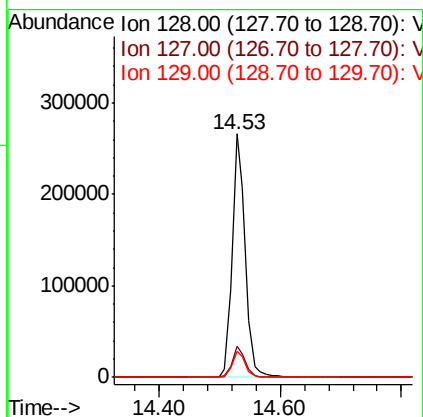
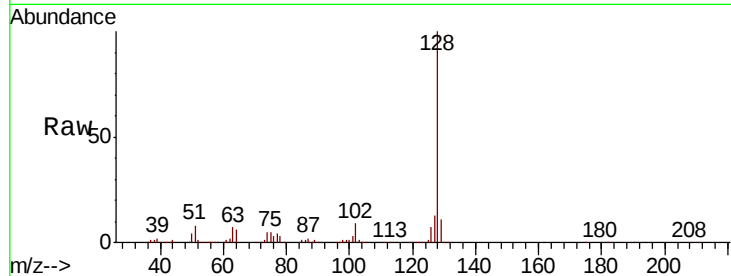
#95
Naphthalene
Concen: 52.38 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Instrument :
MSVOA_F
ClientSampleId :
ICVVF082118

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.60 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF060030.D
Acq: 21 Aug 2018 20:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.2	49.0	147.2
145	33.2	14.4	43.2

