

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060190.D
 Acq On : 29 Aug 2018 15:35
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:00:58 PM

Quant Time: Aug 30 03:58:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F083018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 02:37:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	152752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	243054	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	262497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	170637	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	26939	21.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.38%	
35) Dibromofluoromethane	4.30	113	21120	12.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.96%	
50) Toluene-d8	7.72	98	53716	9.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.82%	
62) 4-Bromofluorobenzene	11.51	95	32422	14.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	32575	10.63	ug/l	96
3) Chloromethane	1.07	50	18554	14.84	ug/l	100
4) Vinyl Chloride	1.12	62	13407	11.35	ug/l	95
5) Bromomethane	1.32	94	13475	20.06	ug/l	83
6) Chloroethane	1.39	64	8415	12.06	ug/l	93
7) Trichlorofluoromethane	1.49	101	39098	7.69	ug/l	100
8) Diethyl Ether	1.70	74	4706	18.93	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.86	101	16527	7.39	ug/l	96
10) Methyl Iodide	1.93	142	15361	12.86	ug/l #	89
11) Tert butyl alcohol	2.69	59	6256	179.56	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	11019	7.80	ug/l #	95
13) Acrolein	2.10	56	4253	141.73	ug/l	95
14) Allyl chloride	2.19	41	19080	14.86	ug/l	97
15) Acrylonitrile	3.08	53	9644	134.71	ug/l	92
16) Acetone	2.34	43	37878	182.28	ug/l #	93
17) Carbon Disulfide	1.84	76	35921	8.65	ug/l #	93
18) Methyl Acetate	2.45	43	11121m	26.67	ug/l	
19) Methyl tert-butyl Ether	2.54	73	36417	24.07	ug/l #	92
20) Methylene Chloride	2.27	84	14956	16.26	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	12036	9.87	ug/l	93
22) Diisopropyl ether	2.92	45	38067	16.35	ug/l	91
23) Vinyl Acetate	3.33	43	103401	125.81	ug/l #	95
24) 1,1-Dichloroethane	3.00	63	28064	12.83	ug/l	97
25) 2-Butanone	4.51	43	40658	181.89	ug/l #	91
26) 2,2-Dichloropropane	3.76	77	29117	16.54	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	16369	16.61	ug/l	96
28) Bromochloromethane	3.89	49	11129	20.39	ug/l	98
29) Tetrahydrofuran	4.26	42	14470	159.15	ug/l	97
30) Chloroform	4.04	83	42650	16.00	ug/l	95
31) Cyclohexane	3.85	56	19335	9.85	ug/l #	88
32) 1,1,1-Trichloroethane	4.28	97	39651	11.55	ug/l	93
36) 1,1-Dichloropropene	4.45	75	23998	7.37	ug/l	92
37) Ethyl Acetate	4.30	43	14643	23.54	ug/l	85
38) Carbon Tetrachloride	4.17	117	34604	7.84	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	20584	6.77	ug/l	98
40) Benzene	4.81	78	49474	10.54	ug/l	99
41) Methacrylonitrile	4.93	41	7070	22.10	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	33437	16.78	ug/l	99
43) Isopropyl Acetate	7.12	43	18267	24.02	ug/l #	99
44) Trichloroethene	5.68	130	17828	9.20	ug/l	96
45) 1,2-Dichloropropane	6.40	63	14850	13.90	ug/l #	86
46) Dibromomethane	6.26	93	14328	21.70	ug/l	89
47) Bromodichloromethane	6.55	83	31929	14.72	ug/l #	97
48) Methyl methacrylate	6.88	41	12122	20.07	ug/l	94
49) 1,4-Dioxane	6.88	88	1780	424.81	ug/l #	81
51) 4-Methyl-2-Pentanone	8.41	43	84209	122.68	ug/l	99
52) Toluene	7.77	92	39780	11.19	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	29182	20.43	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	29150	16.84	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	14327	18.57	ug/l #	86
56) Ethyl methacrylate	8.76	69	17297	22.76	ug/l	98
57) 1,3-Dichloropropane	9.00	76	26387	19.68	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	8893	60.21	ug/l	100
59) 2-Hexanone	9.63	43	67557	130.86	ug/l	100
60) Dibromochloromethane	8.86	129	23649	18.82	ug/l	93
61) 1,2-Dibromoethane	9.14	107	16785	19.81	ug/l	100
64) Tetrachloroethene	8.32	164	19881	6.59	ug/l #	80
65) Chlorobenzene	9.94	112	54809	10.36	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	21765	11.84	ug/l	95
67) Ethyl Benzene	10.04	91	96772	8.45	ug/l	95
68) m/p-Xylenes	10.27	106	70050	18.32	ug/l	96
69) o-Xylene	10.83	106	35618	10.15	ug/l	98
70) Styrene	10.91	104	57826	12.80	ug/l	93
71) Bromoform	10.89	173	13564	17.44	ug/l	97
73) Isopropylbenzene	11.23	105	111302	6.46	ug/l	94
74) N-amyl acetate	11.46	43	29115	16.37	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	21619	14.91	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	19234	15.67	ug/l	99
77) Bromobenzene	11.60	156	30170	10.92	ug/l	90
78) n-propylbenzene	11.69	91	140363	6.75	ug/l	98
79) 2-Chlorotoluene	11.82	91	77841	7.76	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	97307	7.31	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	6645m	18.37	ug/l	
82) 4-Chlorotoluene	11.99	91	92248	9.22	ug/l	93
83) tert-Butylbenzene	12.22	119	95278	6.82	ug/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	103742	8.94	ug/l	97
85) sec-Butylbenzene	12.39	105	126099	6.18	ug/l	94
86) p-Isopropyltoluene	12.55	119	112573	7.34	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	58926	10.27	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	53549	10.12	ug/l	94
89) n-Butylbenzene	12.92	91	108895	8.17	ug/l	96
90) Hexachloroethane	13.00	117	24492	7.40	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	55640	12.02	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	4950	17.56	ug/l	80

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Quant Title : SW846 8260
QLast Update : Thu Aug 30 02:37:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	41337	17.79	ug/l	94
94) Hexachlorobutadiene	14.26	225	25983	6.97	ug/l	96
95) Naphthalene	14.53	128	56431	23.47	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	37688	18.86	ug/l	94

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

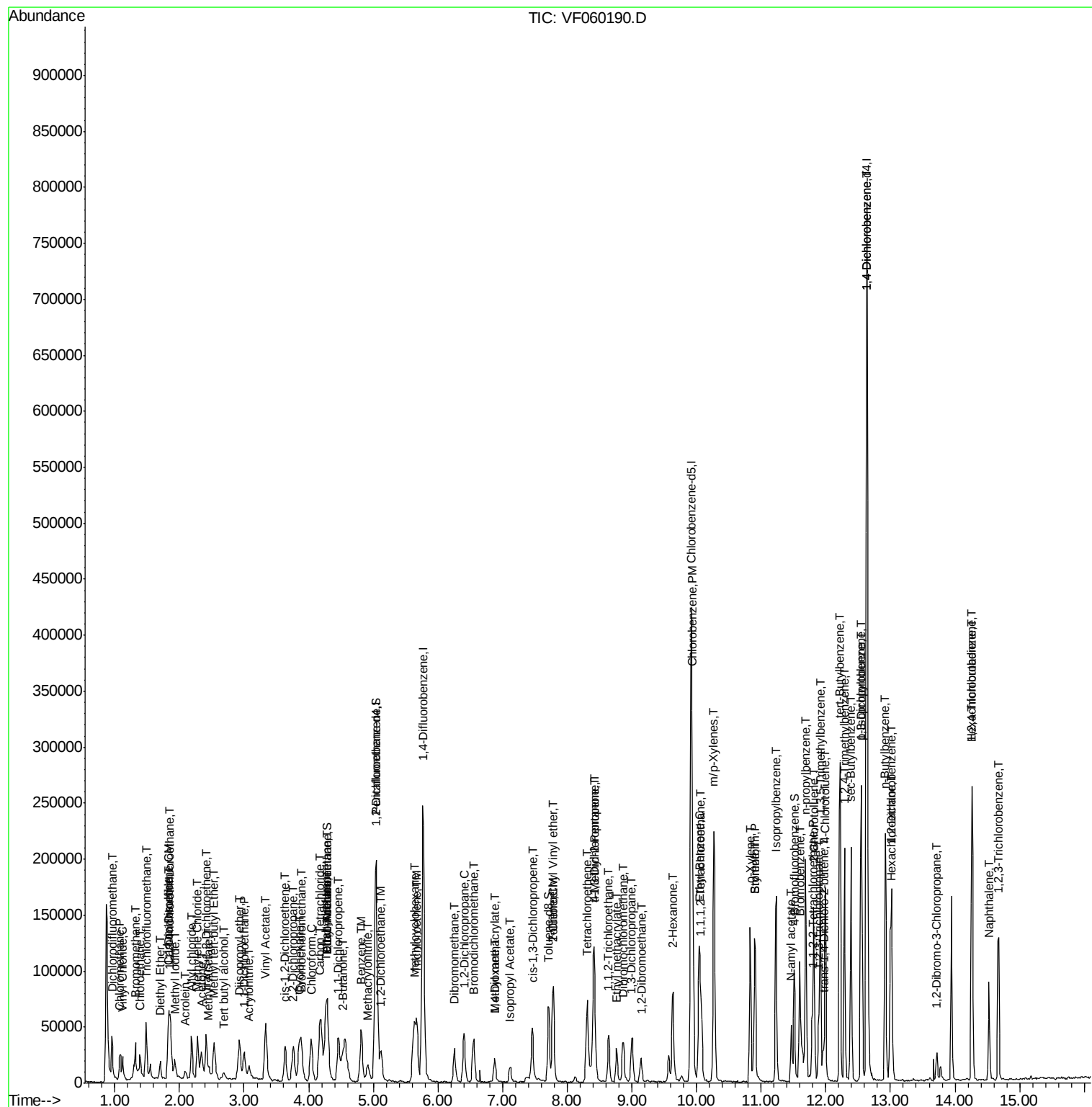
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF083018\
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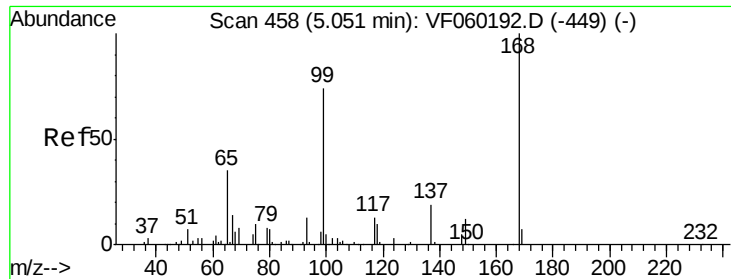
Instrument :
 MSVOA_F
 Client Sampled :
 VSTDIC010

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 152752

Ion Ratio Lower Upper

168 100

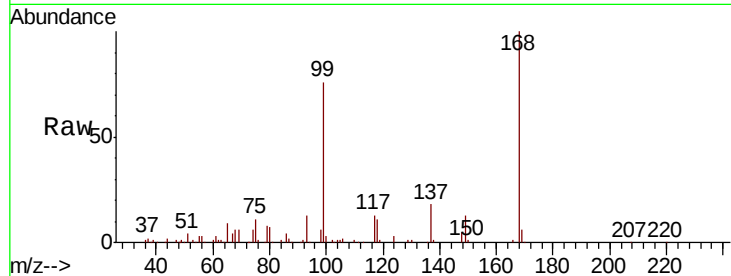
99 76.4 59.4 89.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

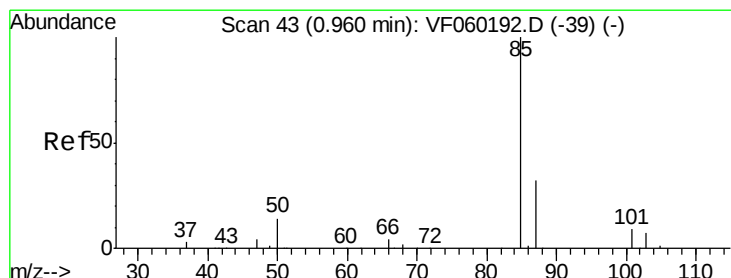
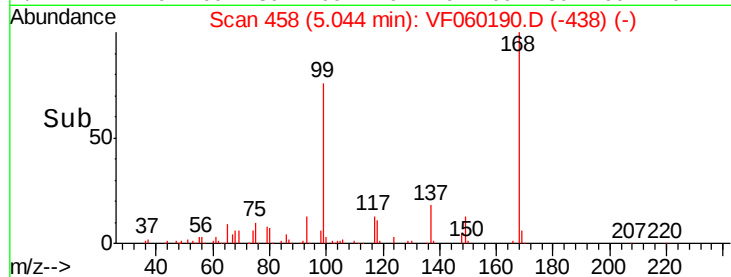
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.63 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060190.D

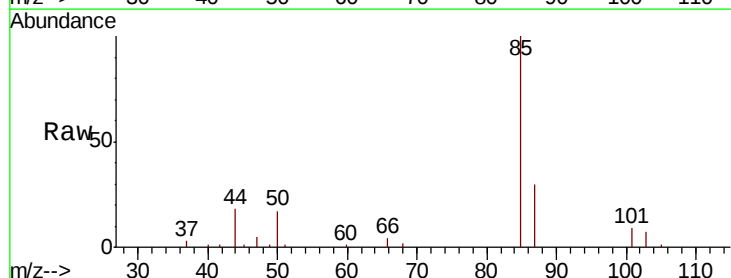
Acq: 29 Aug 2018 15:35

Tgt Ion: 85 Resp: 32575

Ion Ratio Lower Upper

85 100

87 29.6 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

25000

20000

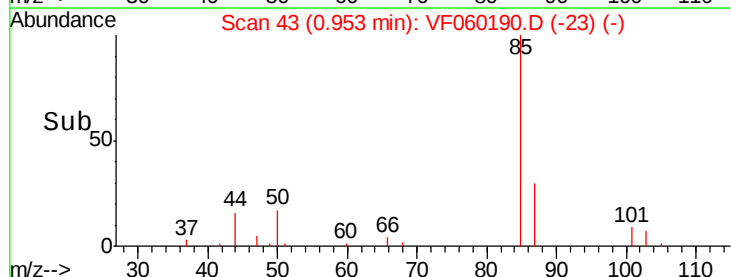
15000

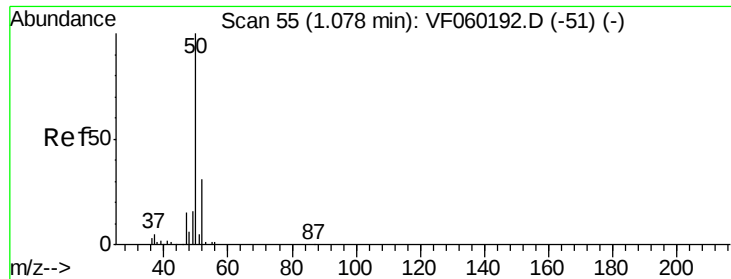
10000

5000

0

Time-->





#3

Chloromethane

Concen: 14.84 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 18554

Ion Ratio Lower Upper

50 100

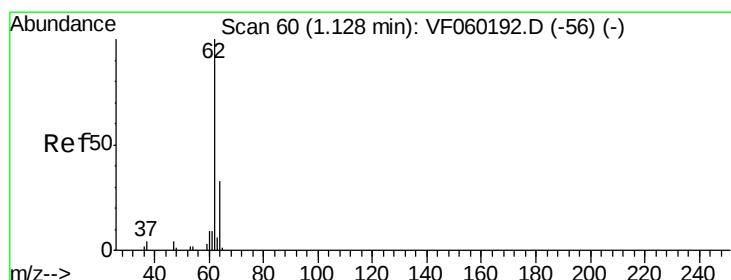
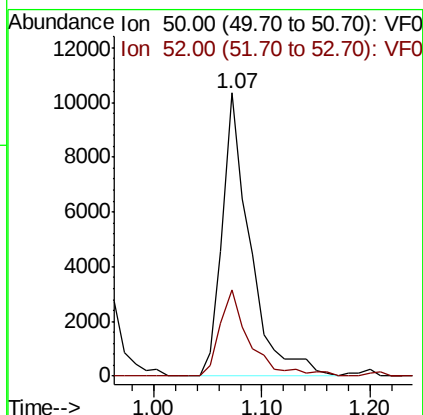
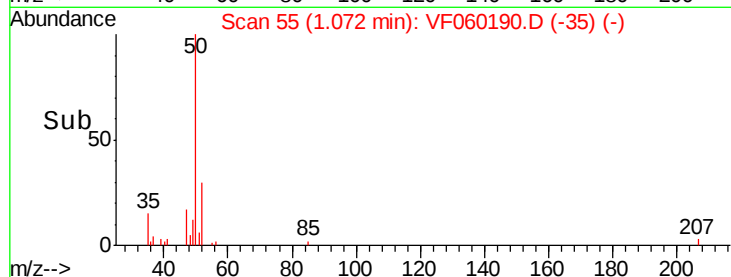
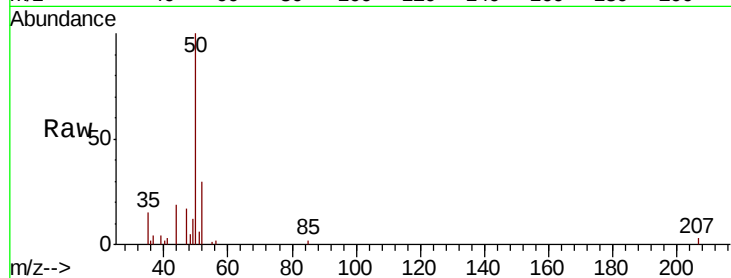
52 30.4 24.3 36.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 11.35 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060190.D

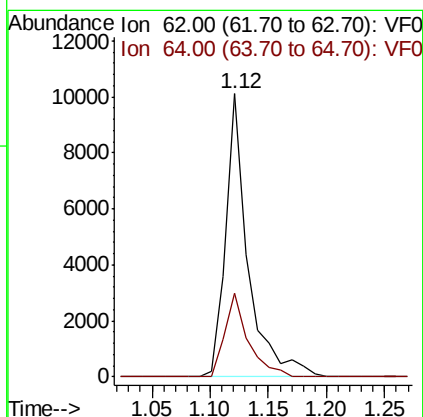
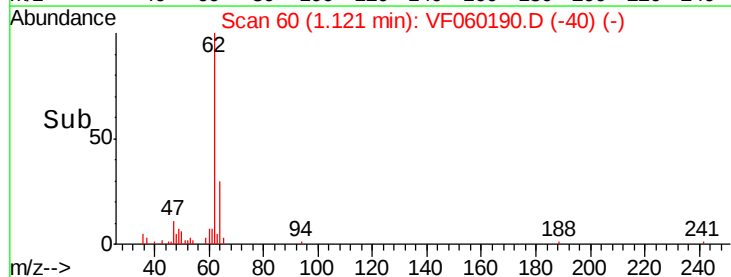
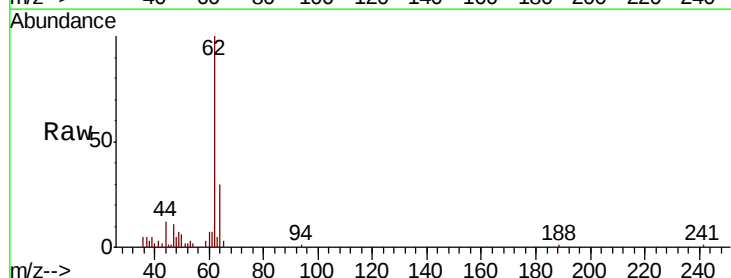
Acq: 29 Aug 2018 15:35

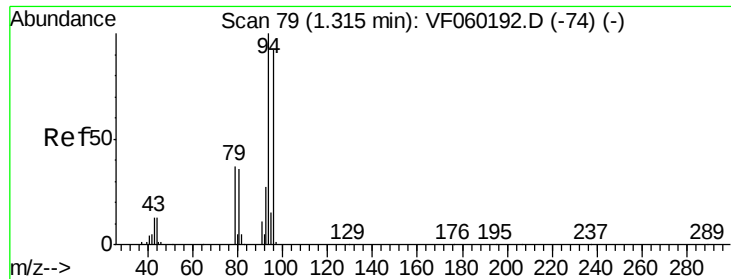
Tgt Ion: 62 Resp: 13407

Ion Ratio Lower Upper

62 100

64 29.6 26.1 39.1





#5

Bromomethane

Concen: 20.06 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 13475

Ion Ratio Lower Upper

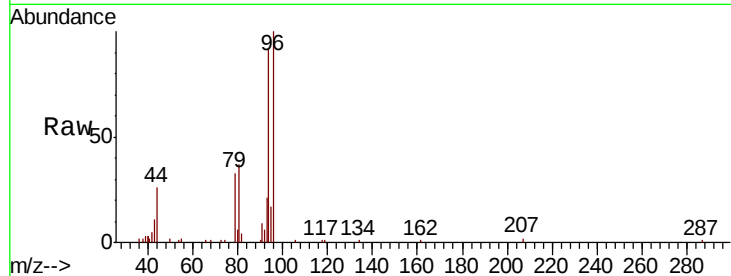
94 100

96 108.2 73.6 110.4

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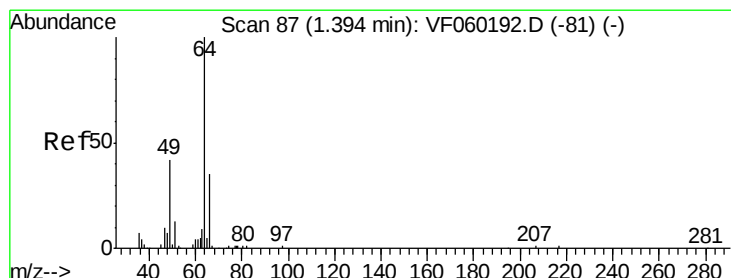
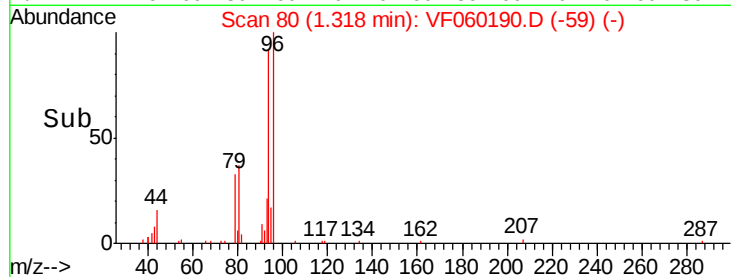
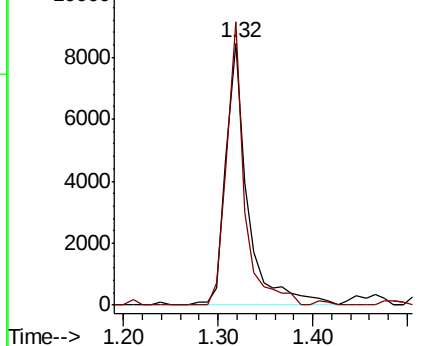
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 12.06 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060190.D

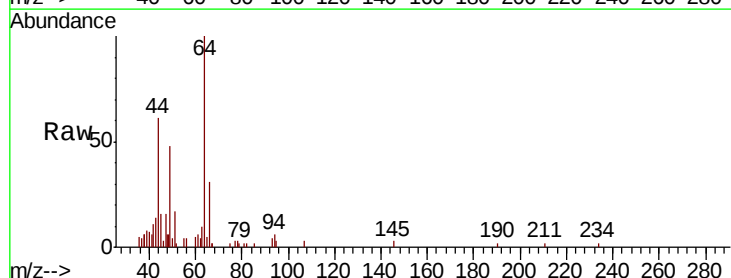
Acq: 29 Aug 2018 15:35

Tgt Ion: 64 Resp: 8415

Ion Ratio Lower Upper

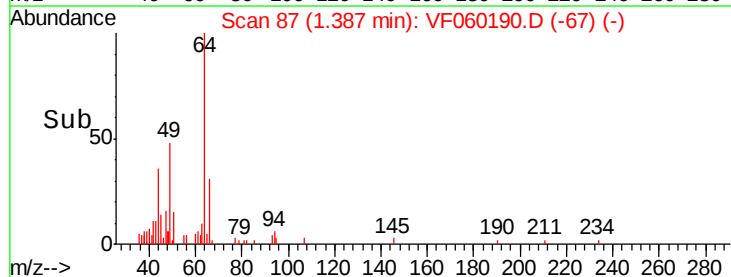
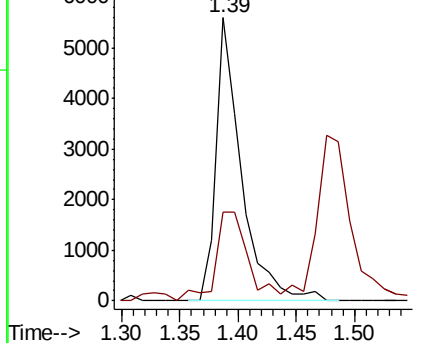
64 100

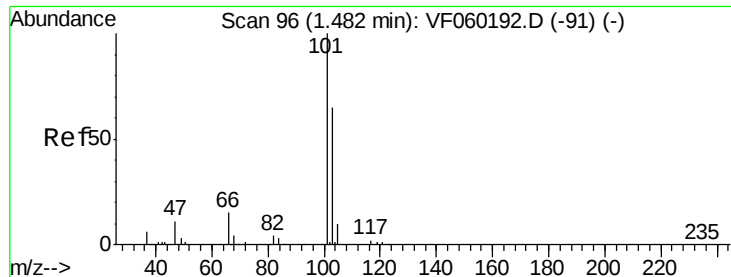
66 31.2 28.2 42.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 7.69 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:101 Resp: 39098

Ion Ratio Lower Upper

101 100

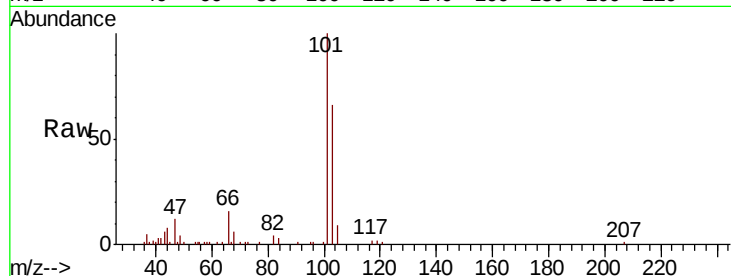
103 65.7 52.4 78.6

Manual Integrations

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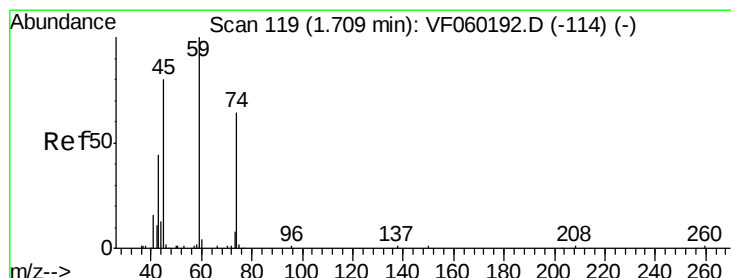
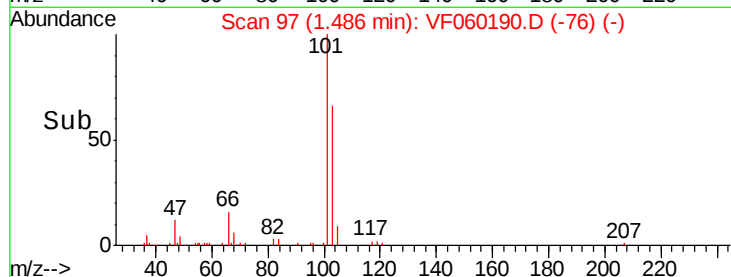
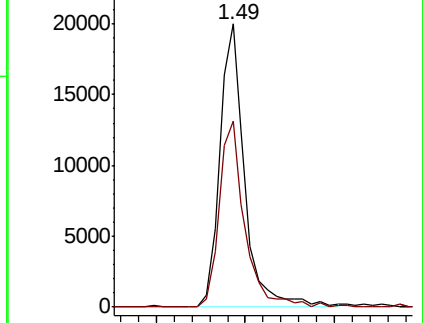
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.93 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF060190.D

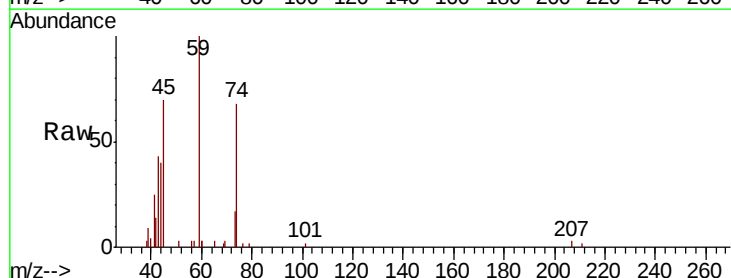
Acq: 29 Aug 2018 15:35

Tgt Ion: 74 Resp: 4706

Ion Ratio Lower Upper

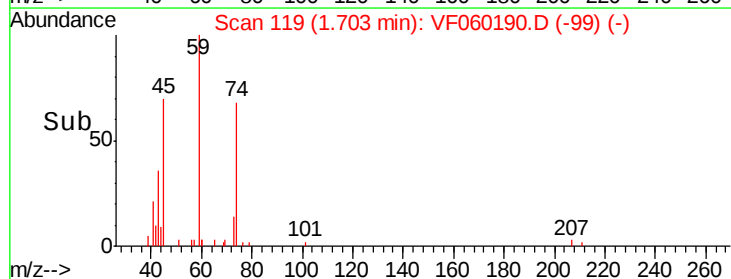
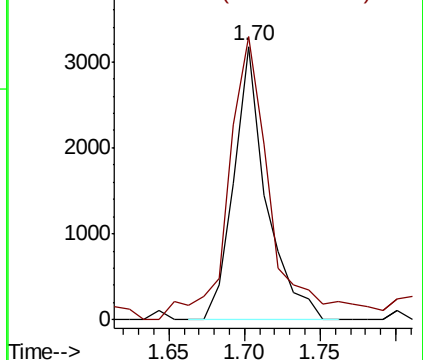
74 100

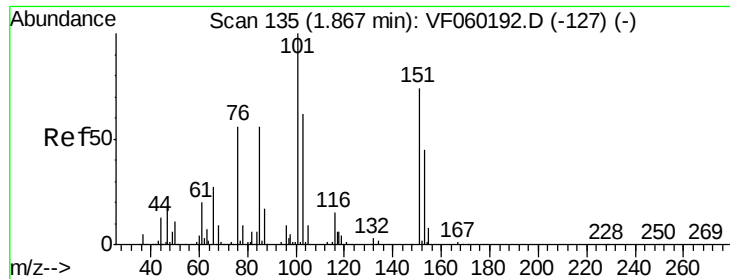
45 103.5 63.3 190.0



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: 7.39 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

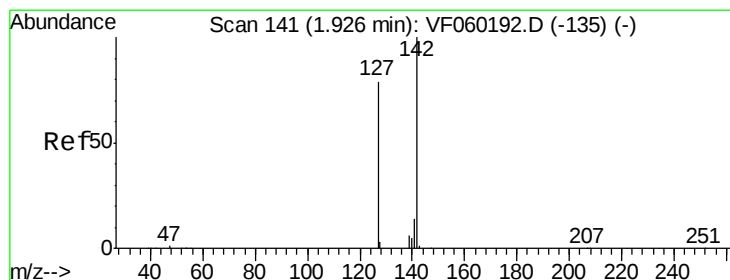
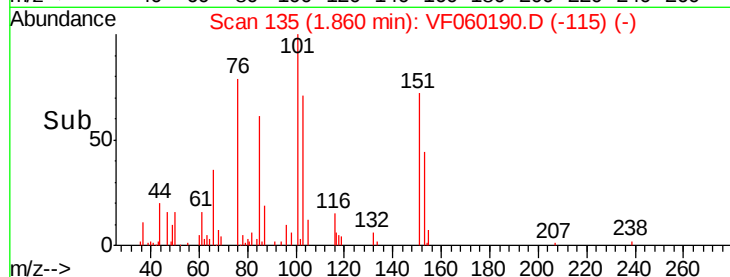
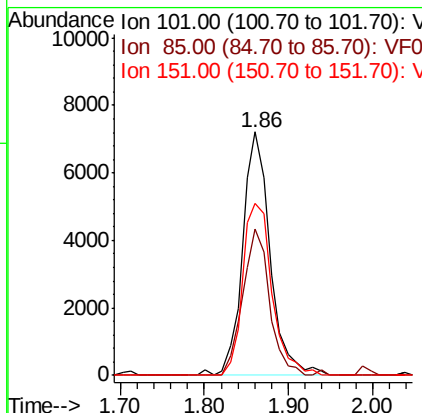
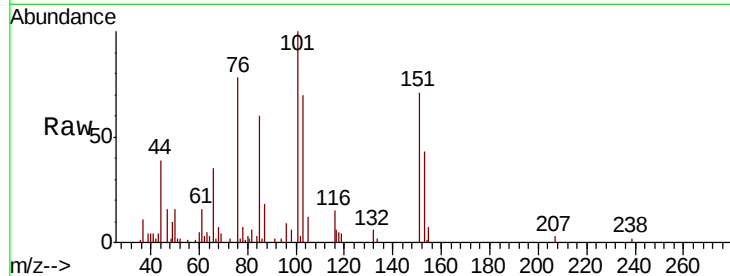
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	16527
Ion Ratio	Lower	Upper	
101	100		
85	59.9	44.5	66.7
151	70.8	58.8	88.2

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#10

Methyl Iodide

Concen: 12.86 ug/l

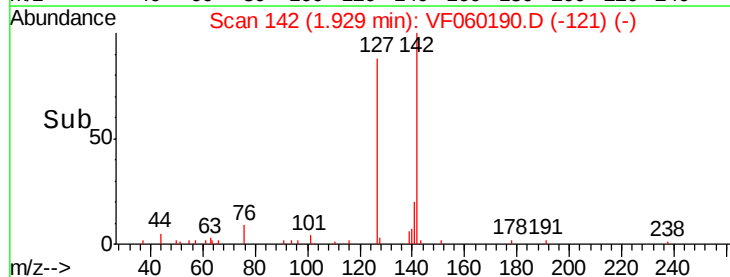
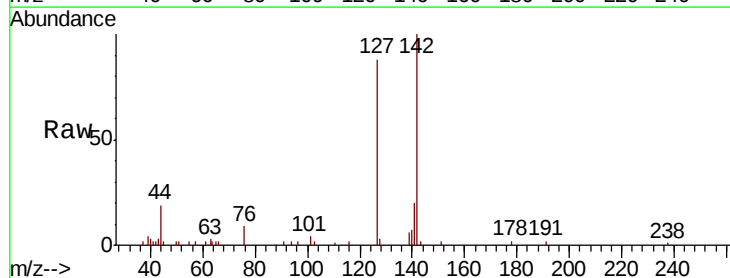
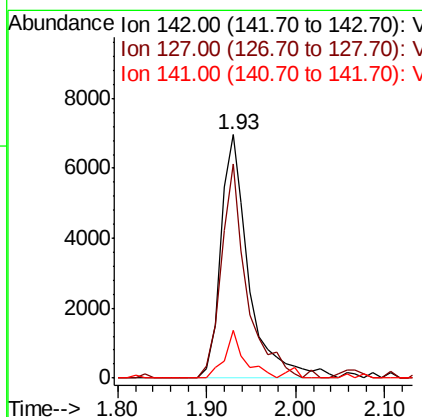
RT: 1.93 min Scan# 142

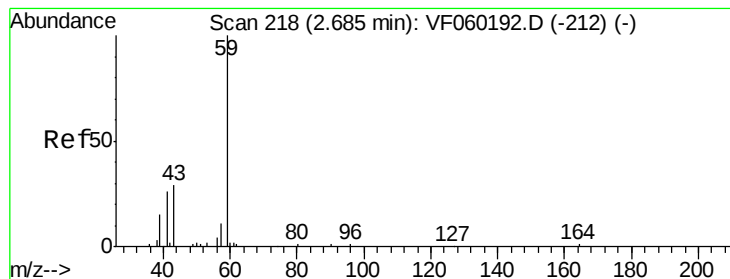
Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Tgt Ion:	142	Resp:	15361
Ion Ratio	Lower	Upper	
142	100		
127	87.7	62.6	94.0
141	19.6	10.9	16.3#





#11

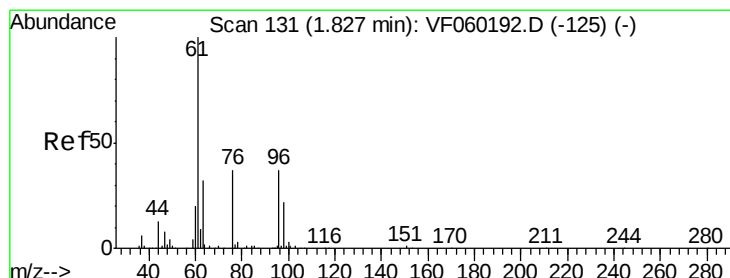
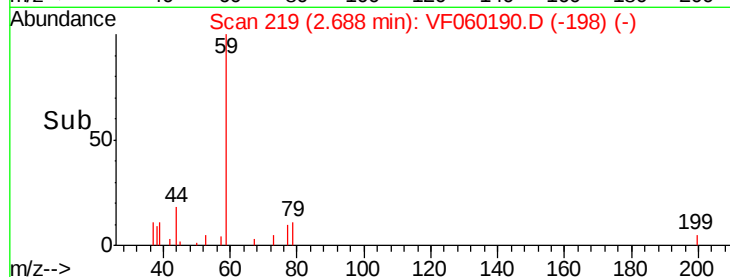
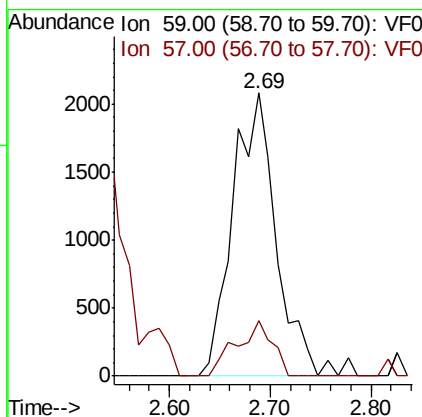
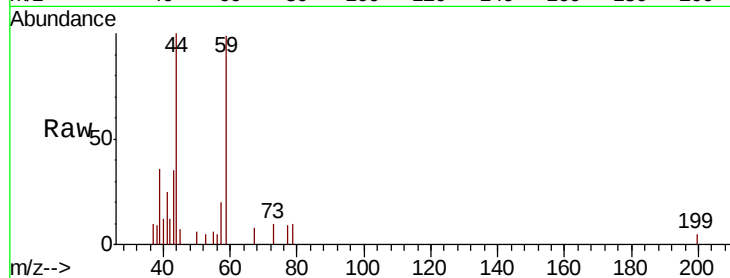
Tert butyl alcohol
Concen: 179.56 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	19.8	10.7	16.1#

Manual Integrations
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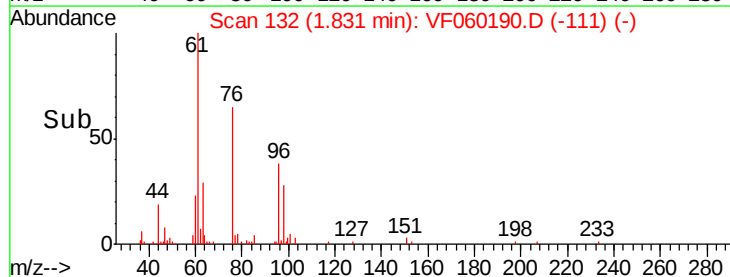
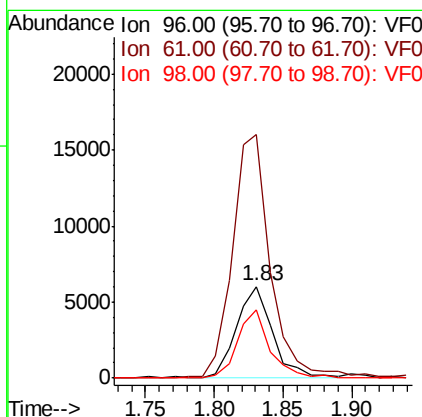
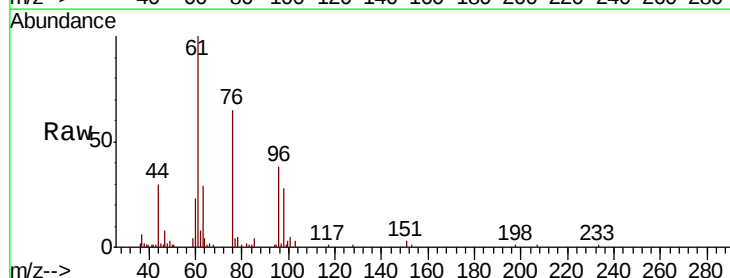
apatel
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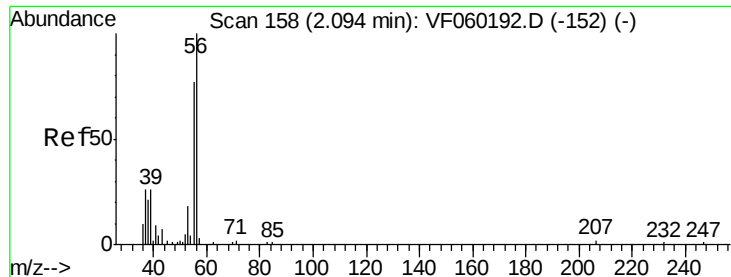


#12

1,1-Dichloroethene
Concen: 7.80 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	266.5	215.2	322.8
98	74.6	47.6	71.4#





#13

Acrolein

Concen: 141.73 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 4253

Ion Ratio Lower Upper

56 100

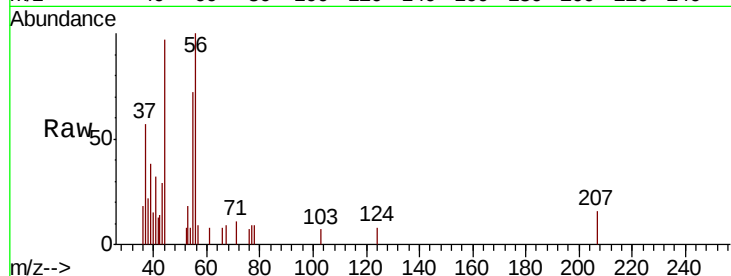
55 72.0 61.4 92.0

Manual Integrations

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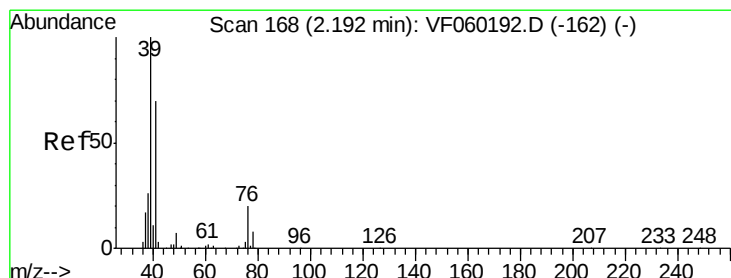
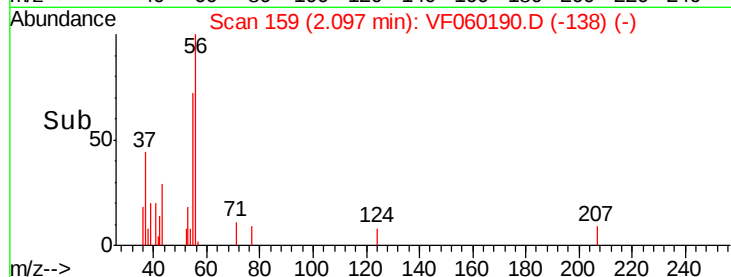
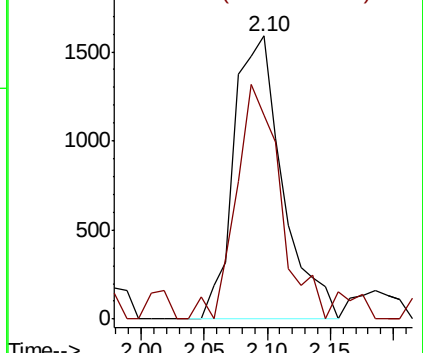
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 14.86 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

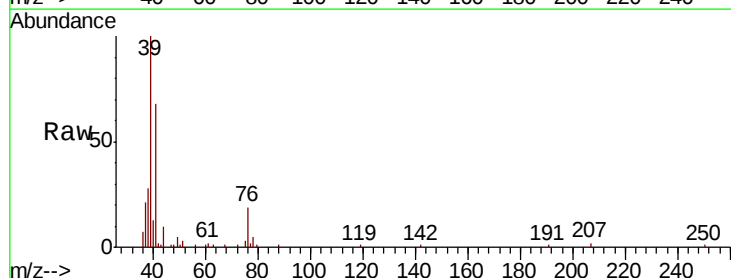
Tgt Ion: 41 Resp: 19080

Ion Ratio Lower Upper

41 100

39 146.6 114.6 172.0

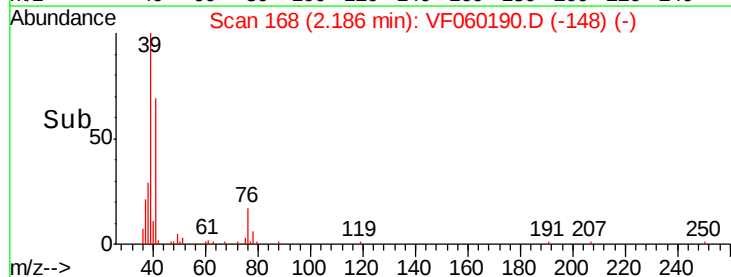
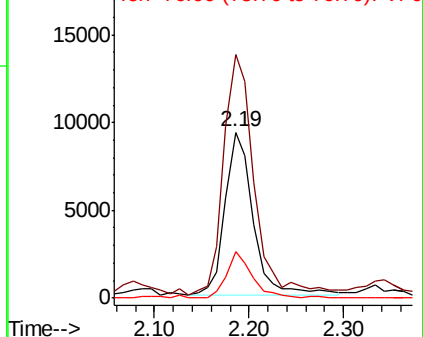
76 27.7 23.1 34.7

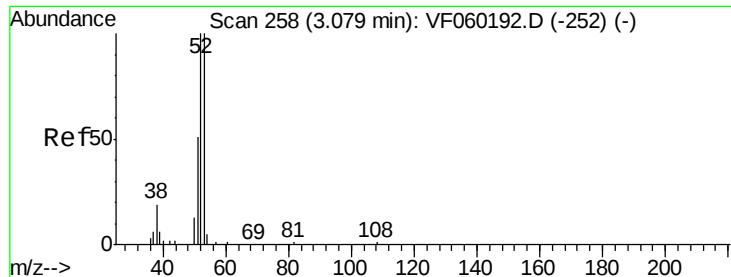


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 134.71 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

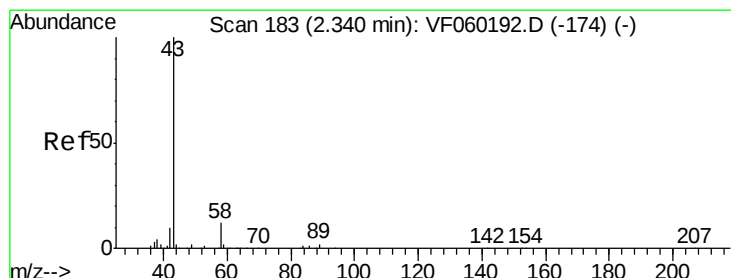
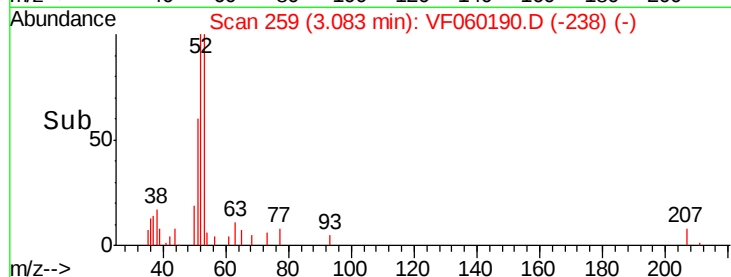
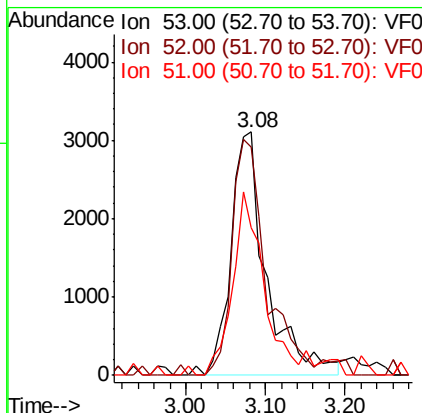
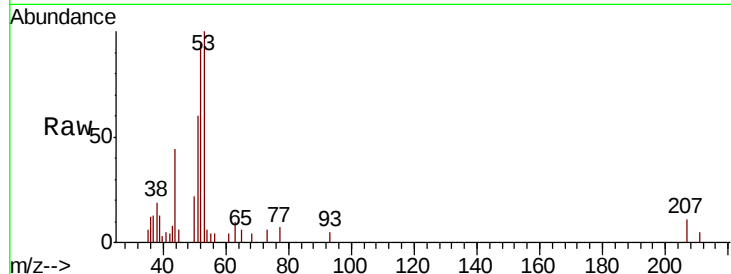
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	9644
Ion	Ratio	Lower	Upper
53	100		
52	93.8	80.2	120.4
51	60.4	42.4	63.6

Manual Integrations
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#16

Acetone

Concen: 182.28 ug/l

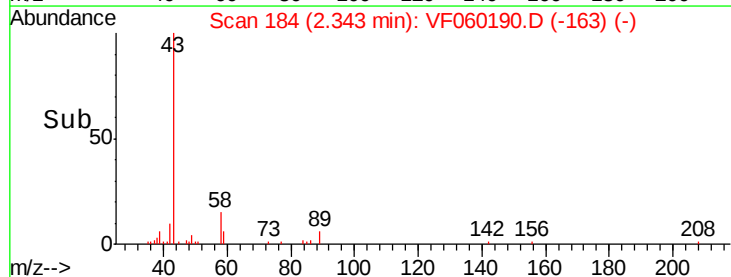
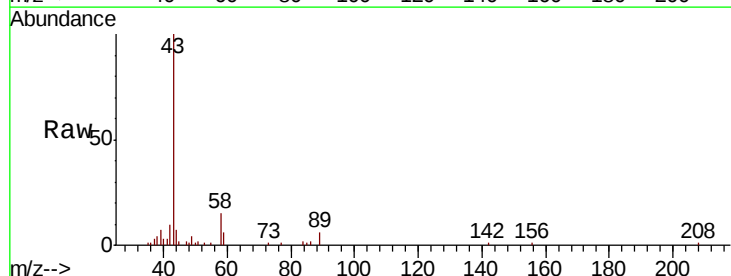
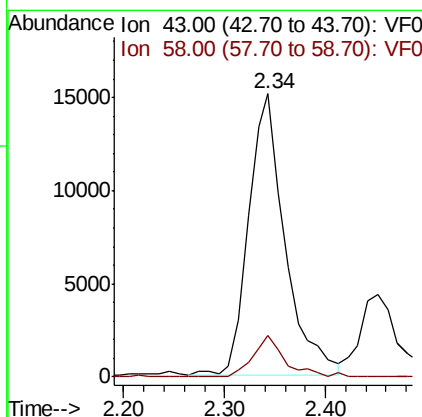
RT: 2.34 min Scan# 184

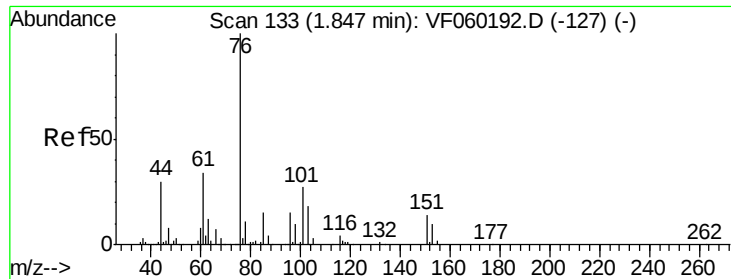
Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Tgt Ion:	43	Resp:	37878
Ion	Ratio	Lower	Upper
43	100		
58	14.5	9.6	14.4#





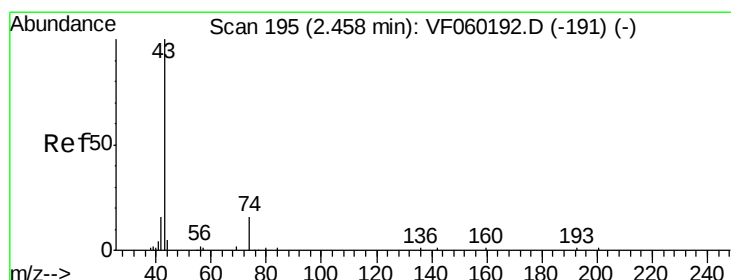
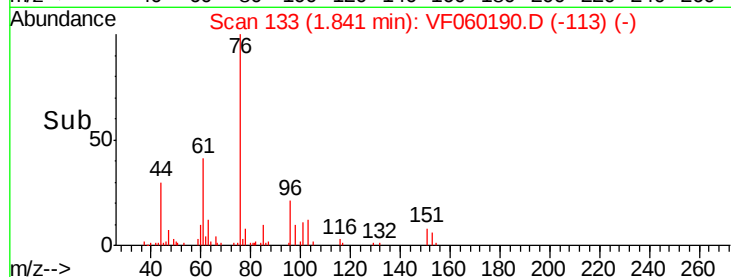
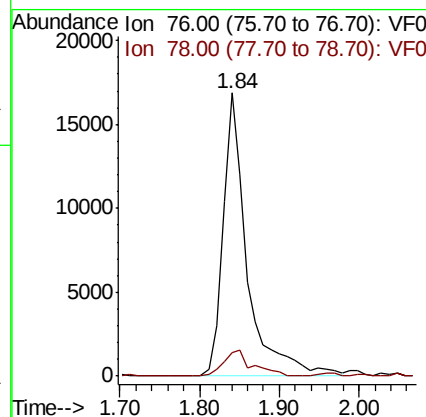
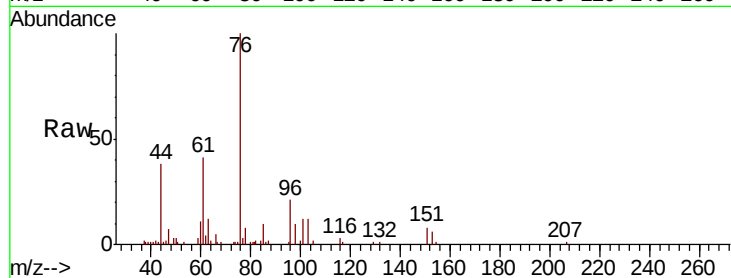
#17
Carbon Disulfide
Concen: 8.65 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	8.6	13.0#

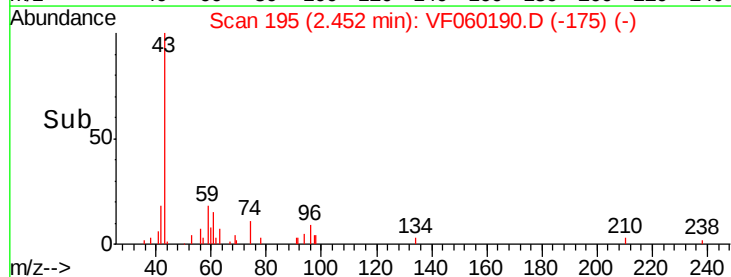
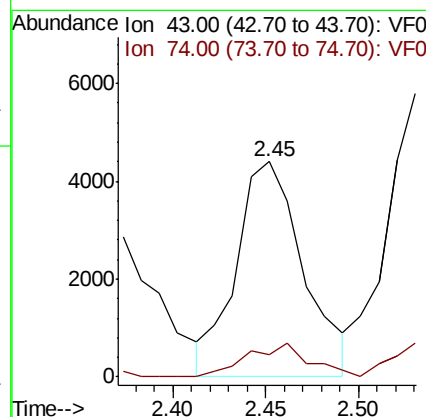
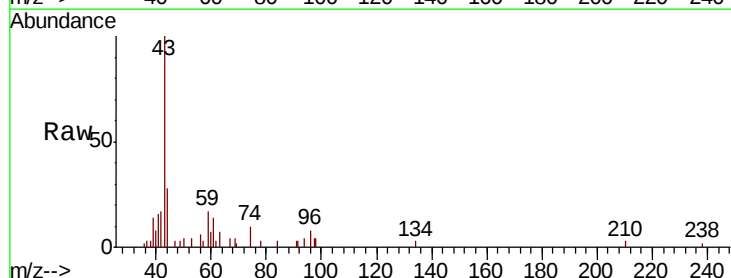
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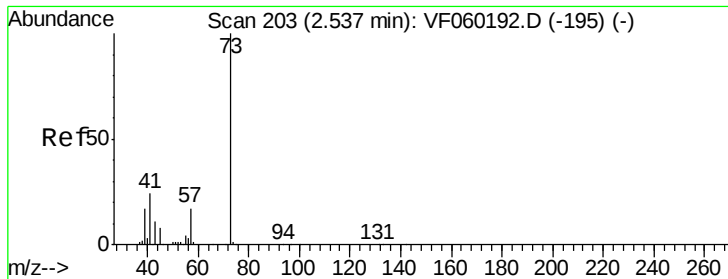
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#18
Methyl Acetate
Concen: 26.67 ug/l m
RT: 2.45 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	10.4	11.0	16.4#





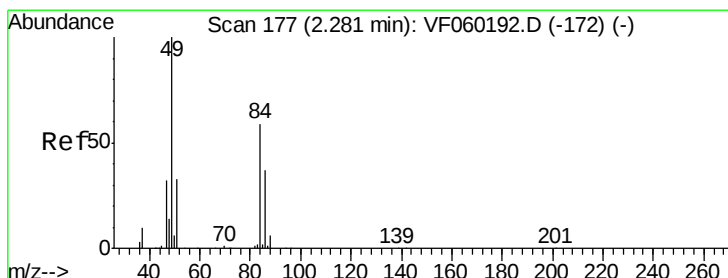
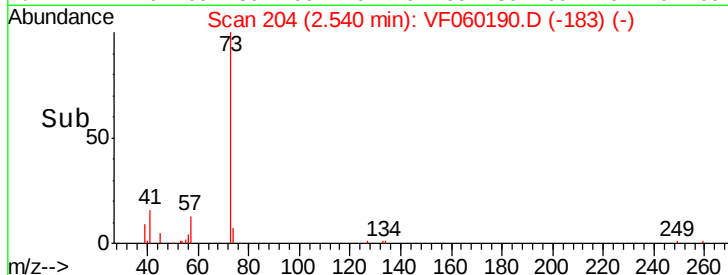
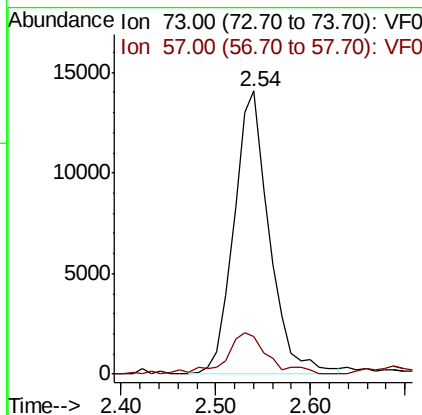
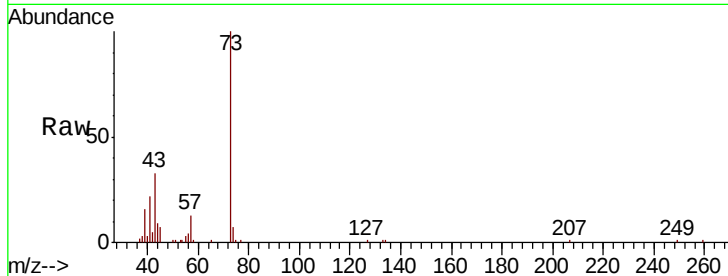
#19
Methvl tert-butvl Ether
Concen: 24.07 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 36417
Ion Ratio Lower Upper
73 100
57 13.5 13.6 20.4#

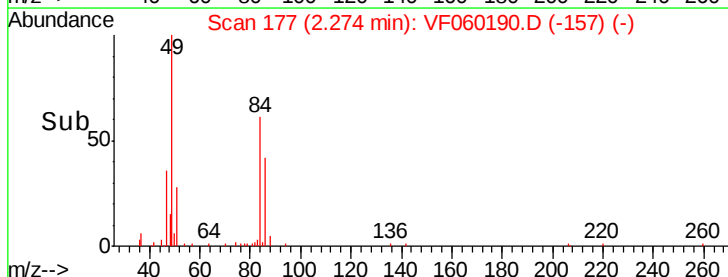
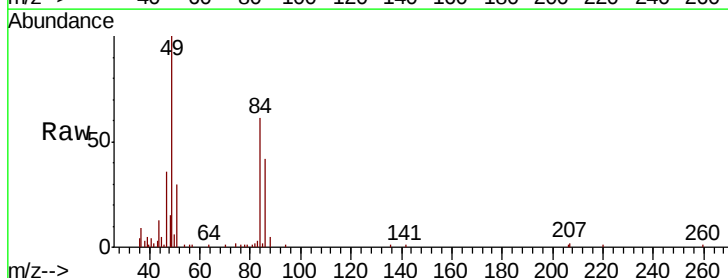
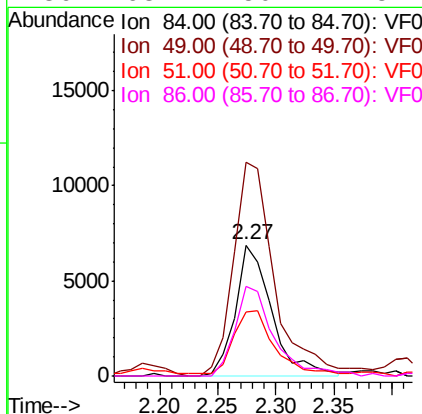
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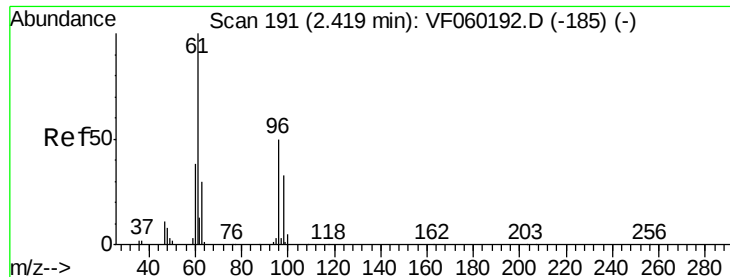
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#20
Methylene Chloride
Concen: 16.26 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion: 84 Resp: 14956
Ion Ratio Lower Upper
84 100
49 163.6 136.4 204.6
51 48.6 45.1 67.7
86 68.2 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 9.87 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

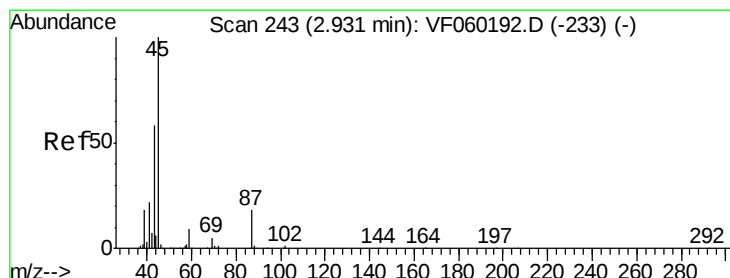
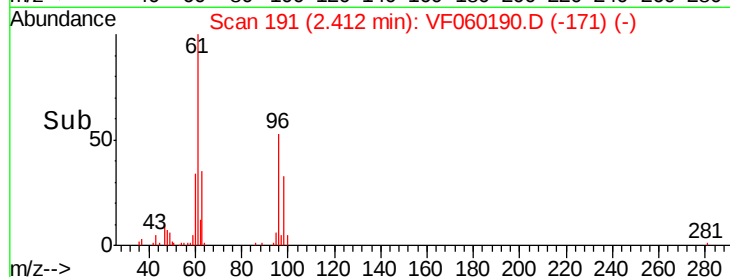
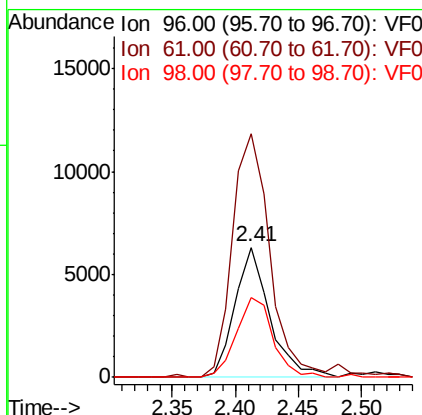
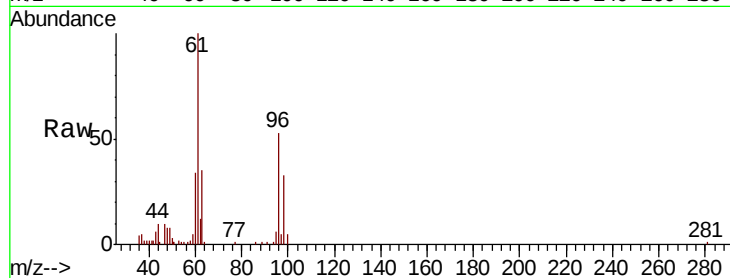
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	12036
Ion	Ratio	Lower	Upper
96	100		
61	187.4	159.8	239.8
98	61.6	51.9	77.9

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#22

Diisopropyl ether

Concen: 16.35 ug/l

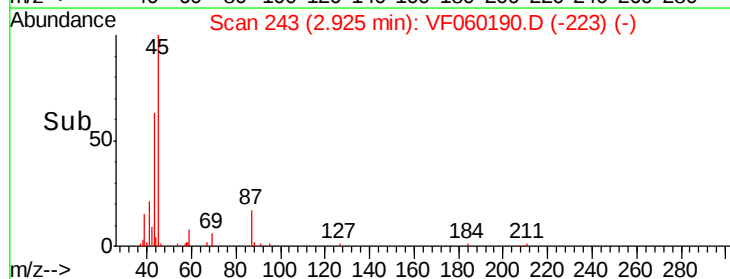
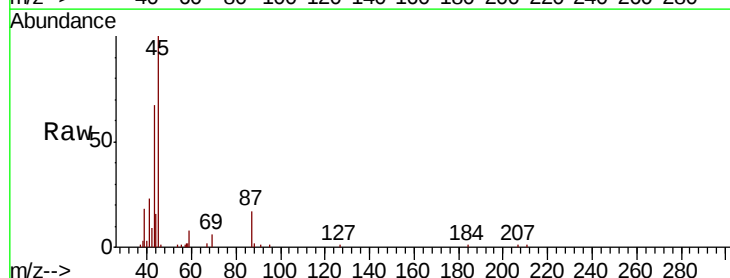
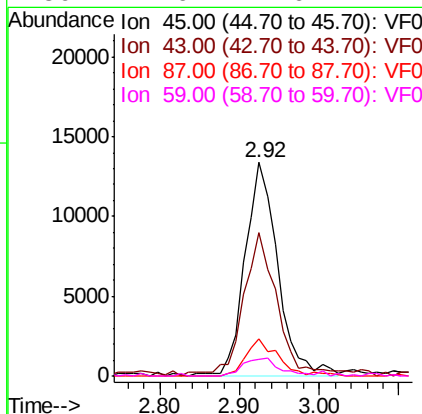
RT: 2.92 min Scan# 243

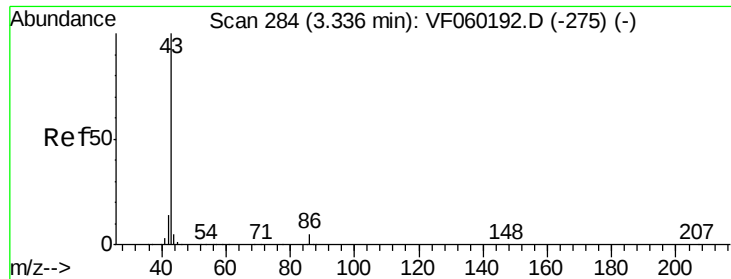
Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Tgt Ion:	45	Resp:	38067
Ion	Ratio	Lower	Upper
45	100		
43	67.0	46.6	70.0
87	17.4	14.3	21.5
59	7.6	7.6	11.4





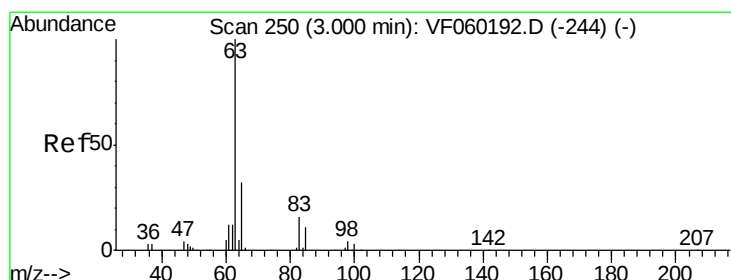
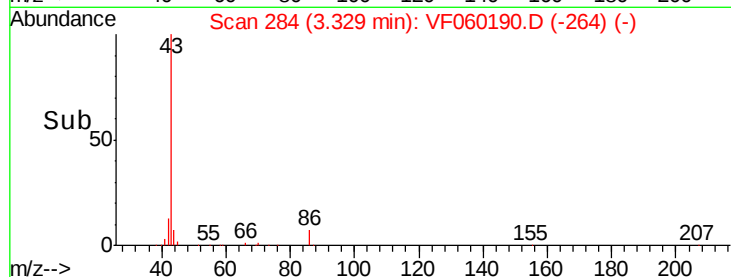
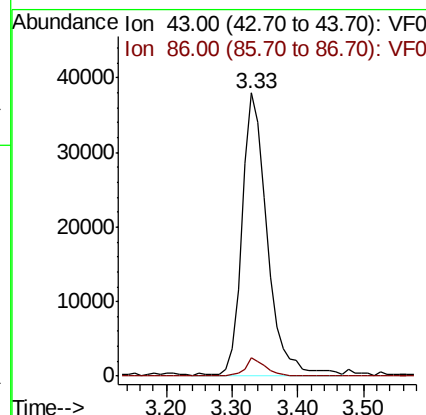
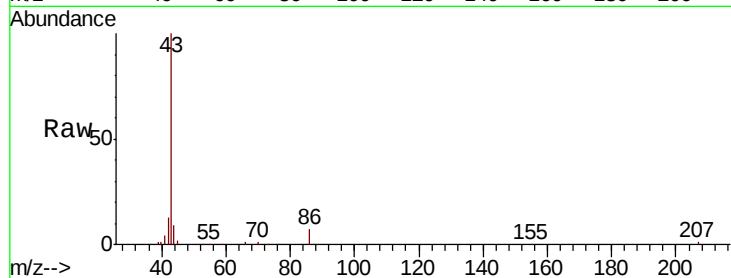
#23
 Vinyl Acetate
 Concen: 125.81 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.6	4.0	6.0#

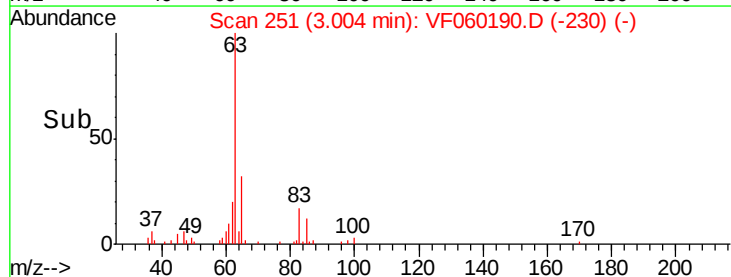
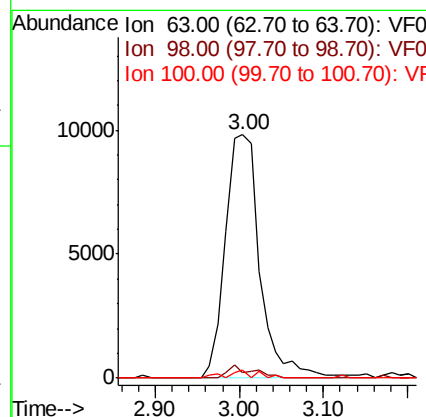
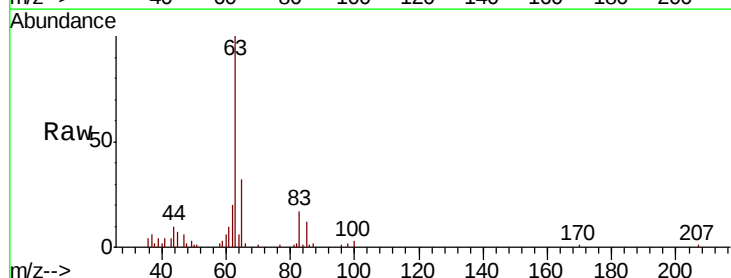
Manual Integrations
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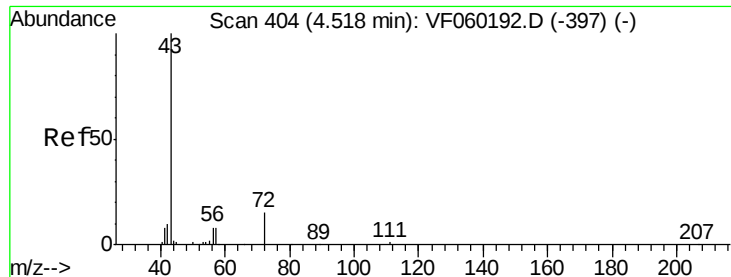
apatel
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#24
 1,1-Dichloroethane
 Concen: 12.83 ug/l
 RT: 3.00 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
63	100		
98	2.1	1.9	5.7
100	3.3	1.5	4.4





#25

2-Butanone

Concen: 181.89 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 40658

Ion Ratio Lower Upper

43 100

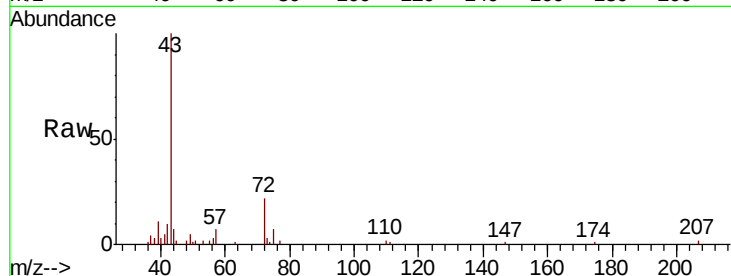
72 21.9 14.4 21.6#

Manual Integrations

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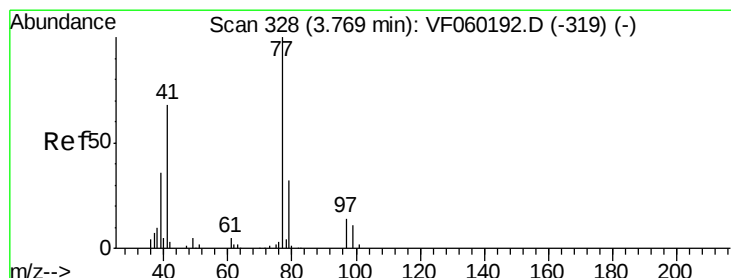
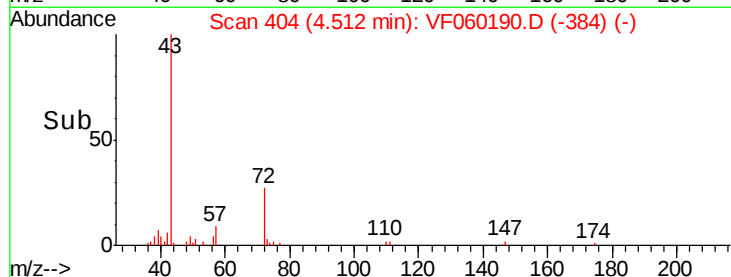
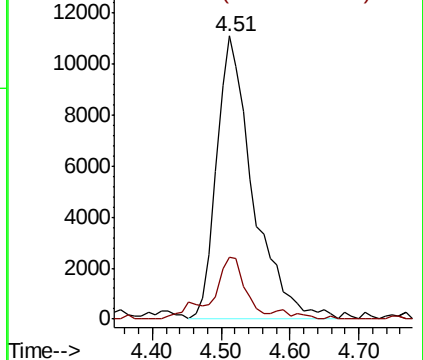
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 16.54 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF060190.D

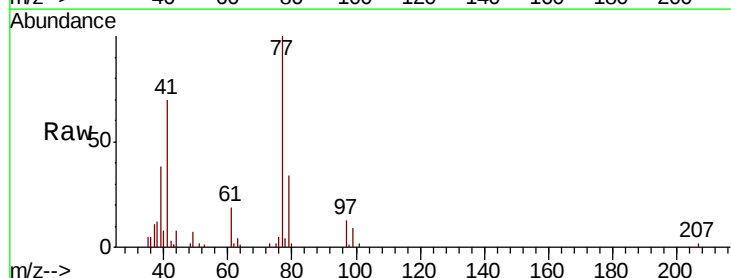
Acq: 29 Aug 2018 15:35

Tgt Ion: 77 Resp: 29117

Ion Ratio Lower Upper

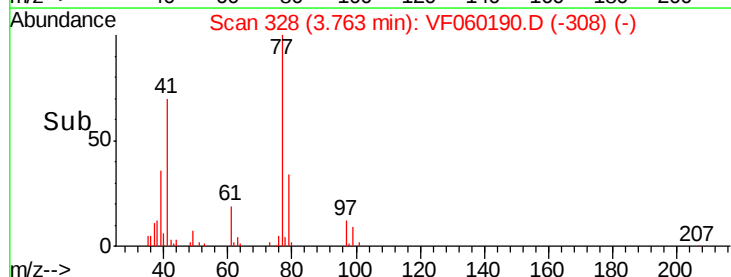
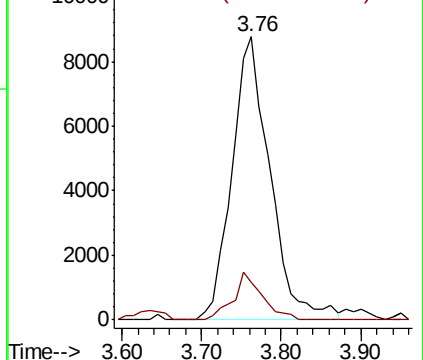
77 100

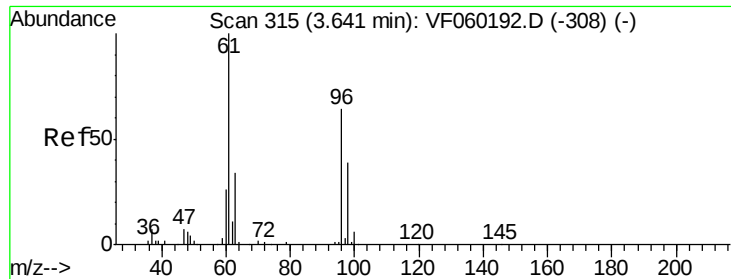
97 13.2 7.1 21.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





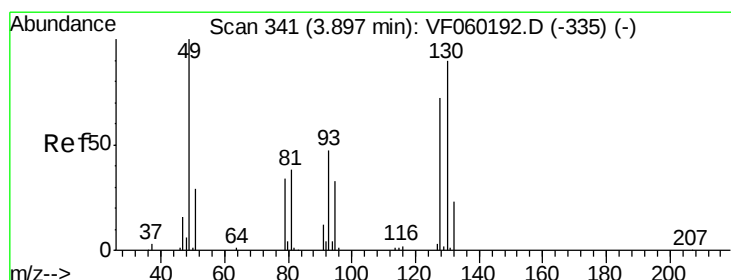
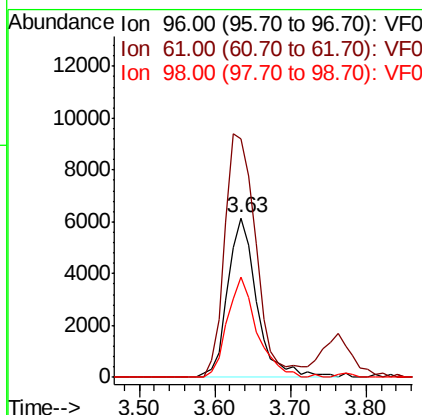
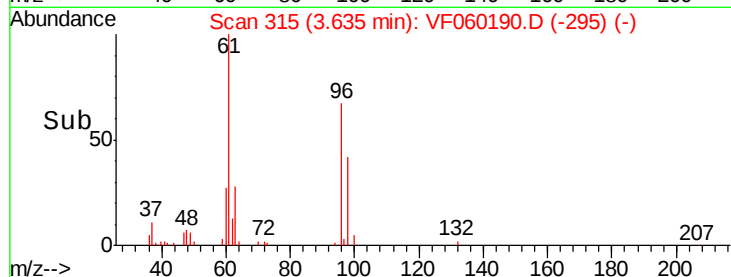
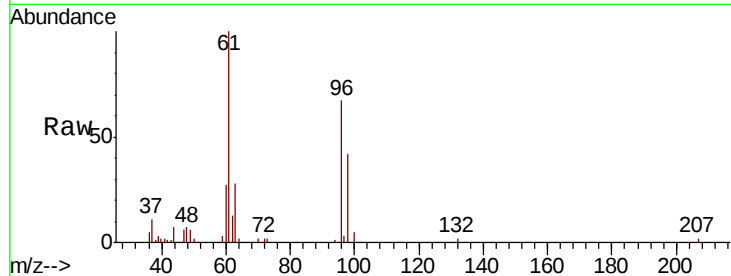
#27
 cis-1,2-Dichloroethene
 Concen: 16.61 ug/l
 RT: 3.63 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	16369		
61	149.3		0.0	311.8
98	62.5		0.0	121.4

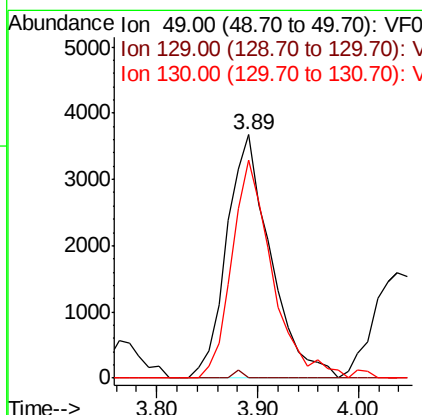
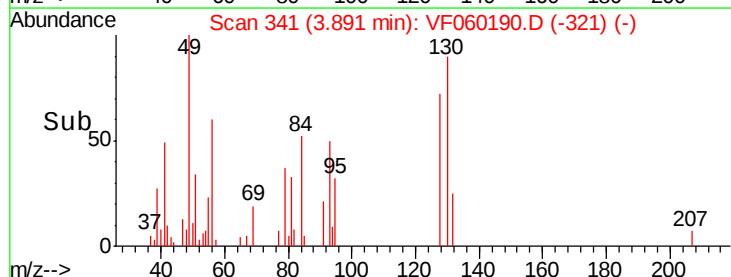
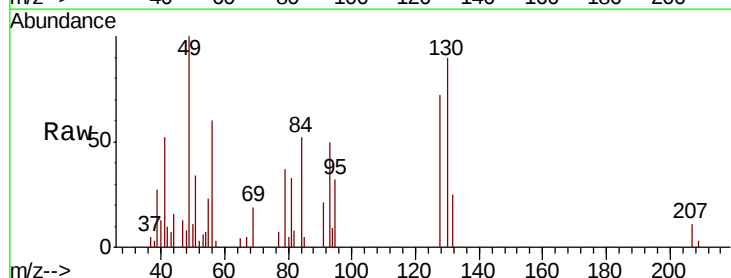
Manual Integrations
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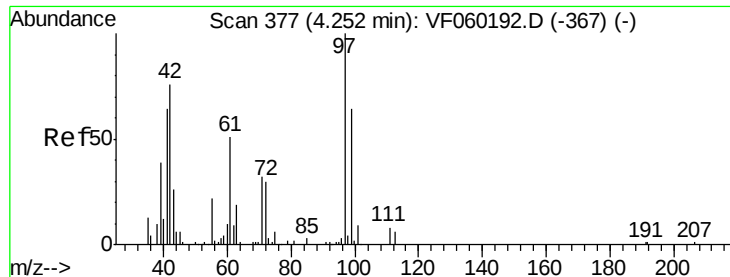
apatel
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#28
 Bromochloromethane
 Concen: 20.39 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	11129		
129	0.0		0.0	3.8
130	89.7		70.3	105.5





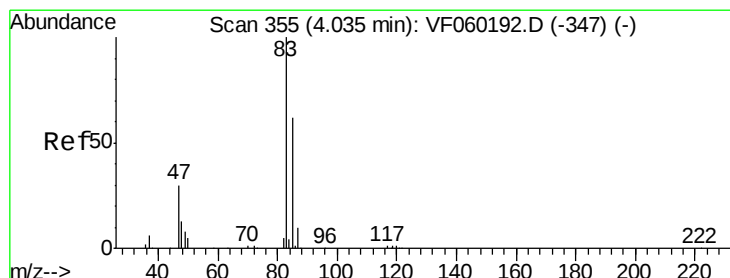
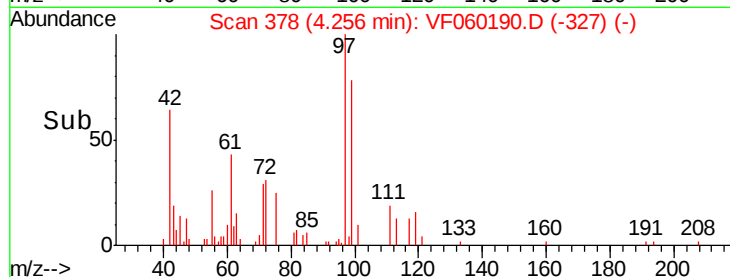
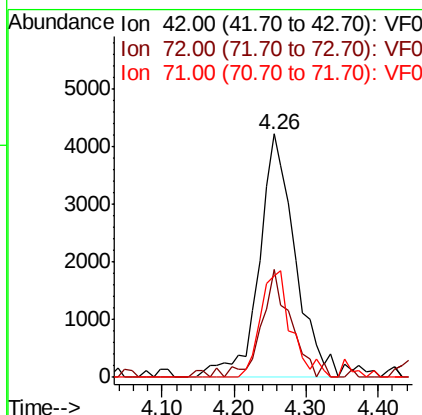
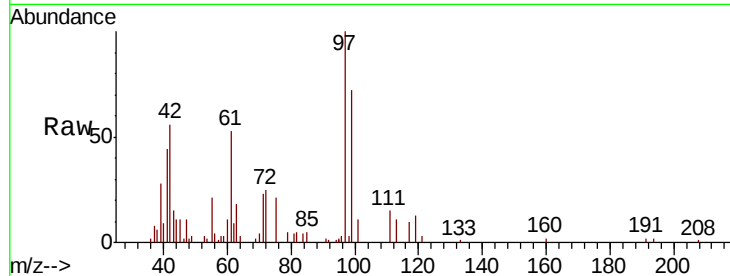
#29
Tetrahydrofuran
Concen: 159.15 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	28.2	42.2
71	37.9	28.6	42.8

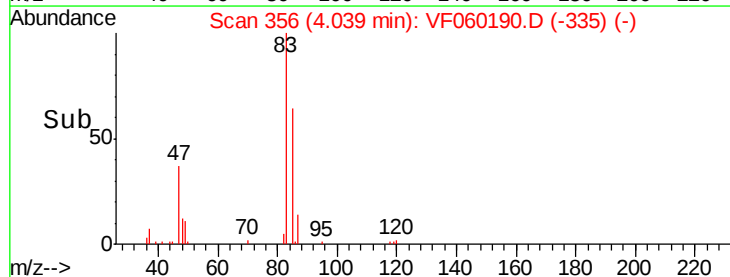
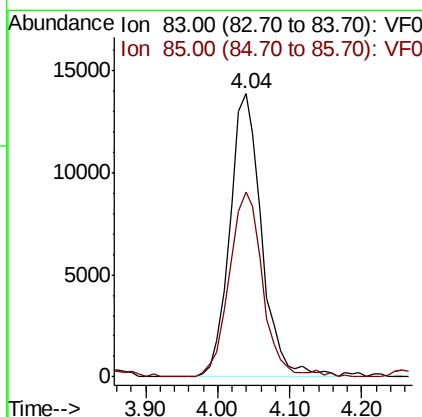
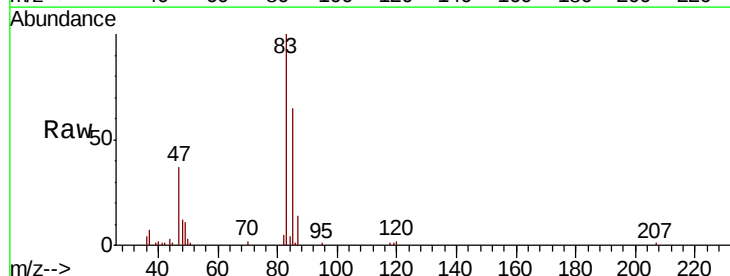
Manual Integrations
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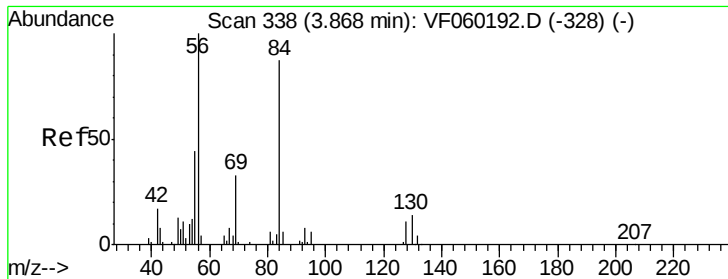
apatel
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#30
Chloroform
Concen: 16.00 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.5	74.3





#31

Cyclohexane

Concen: 9.85 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.02 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

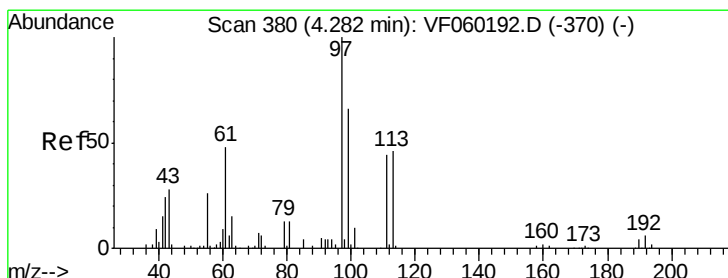
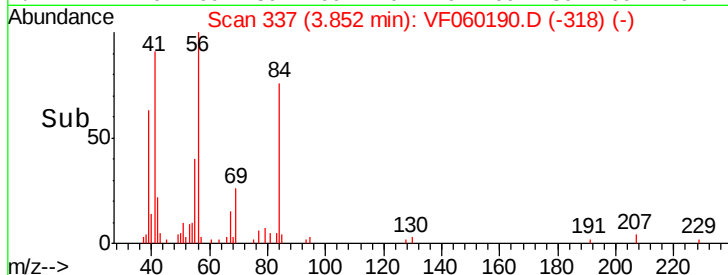
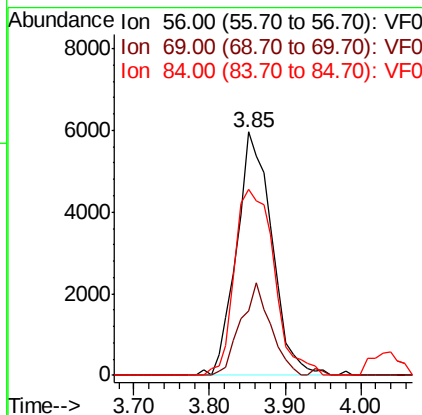
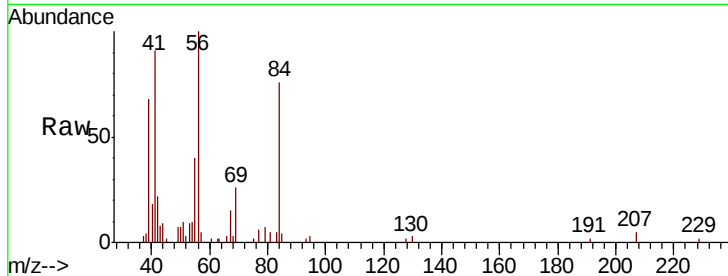
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	19335
Ion	Ratio	Lower	Upper
56	100		
69	26.3	26.4	39.6#
84	76.5	69.9	104.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 11.55 ug/l

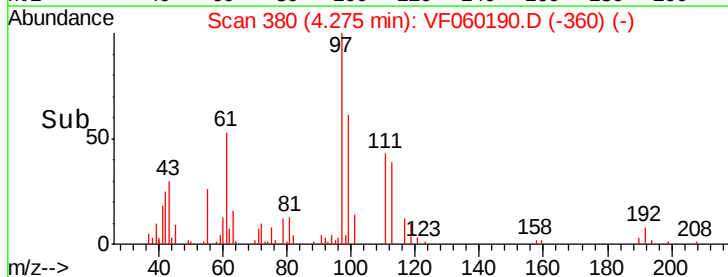
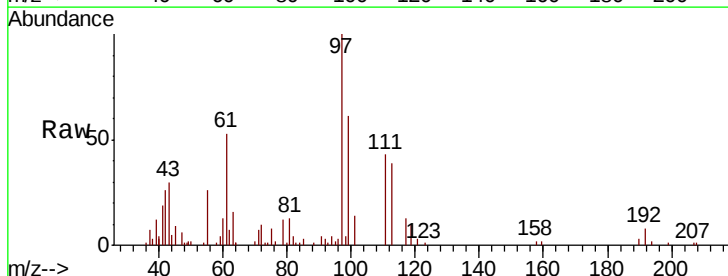
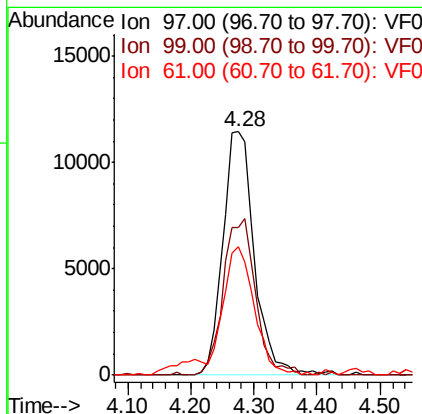
RT: 4.28 min Scan# 380

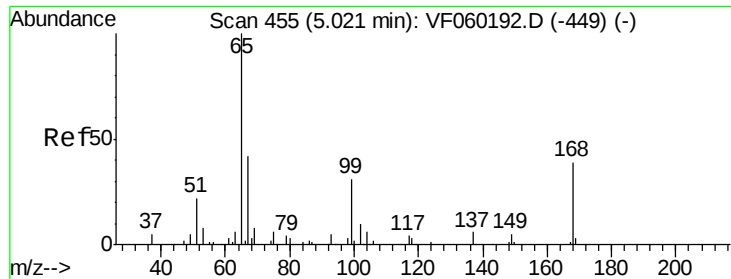
Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Tgt Ion:	97	Resp:	39651
Ion	Ratio	Lower	Upper
97	100		
99	60.6	53.0	79.6
61	52.5	38.9	58.3





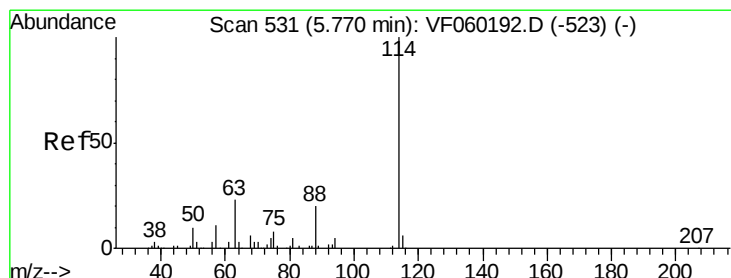
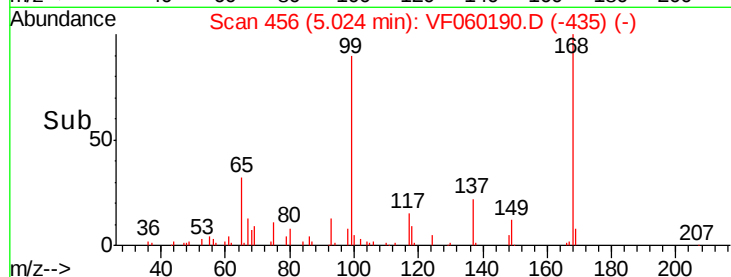
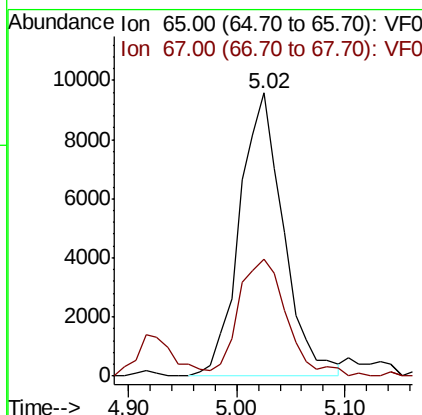
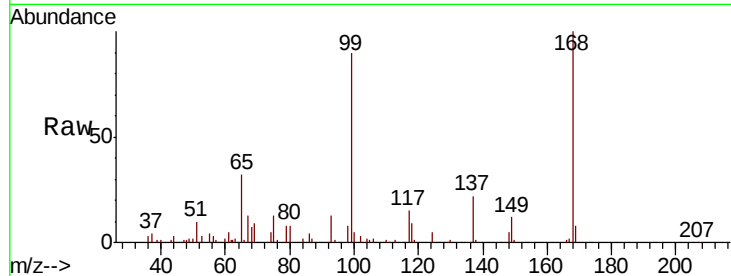
#33
 1,2-Dichloroethane-d4
 Concen: 21.19 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

Tot Ion: 65 Resp: 26939
 Ion Ratio Lower Upper
 65 100
 67 41.5 0.0 87.8

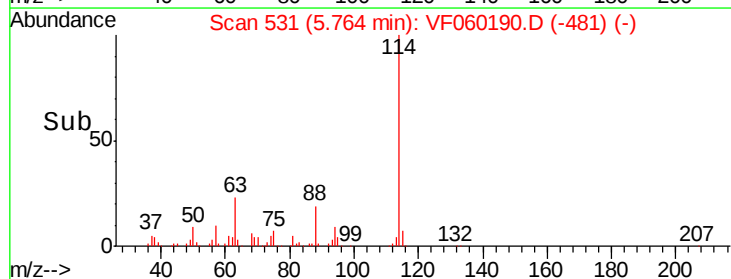
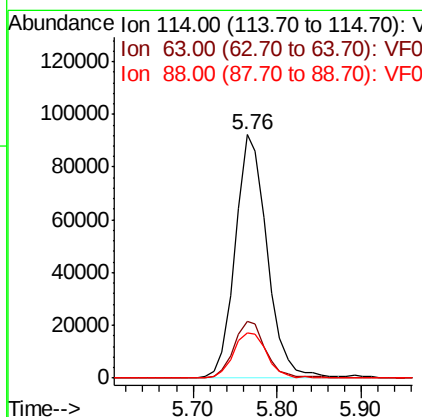
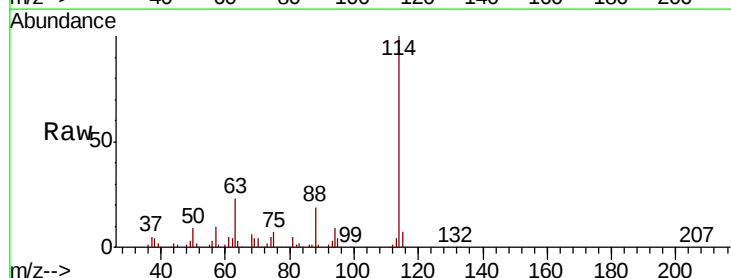
Manual Integrations
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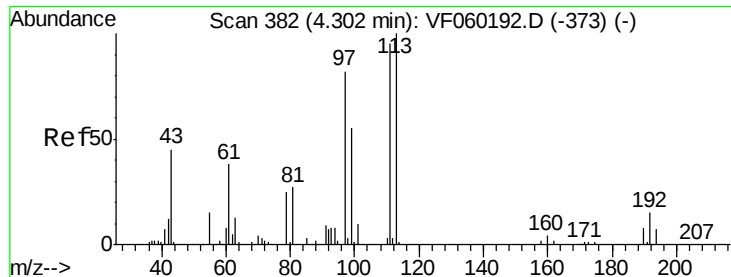
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Tgt Ion: 114 Resp: 243054
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.4
 88 18.6 0.0 40.4





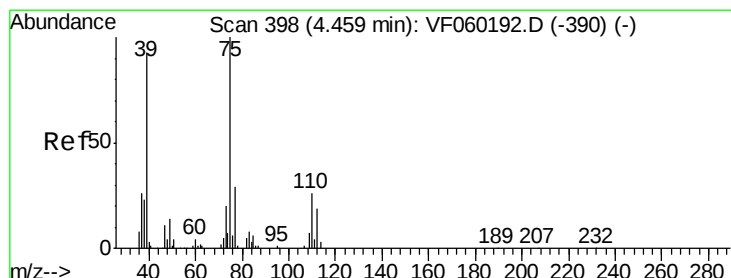
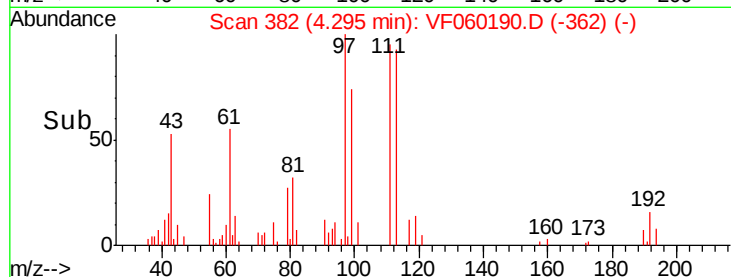
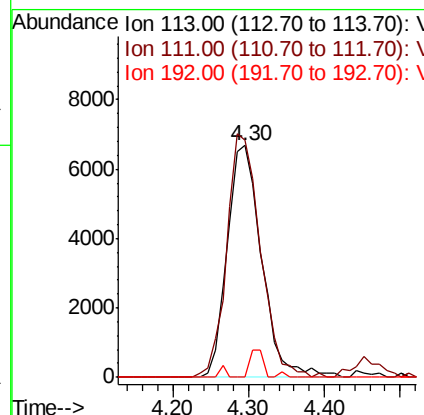
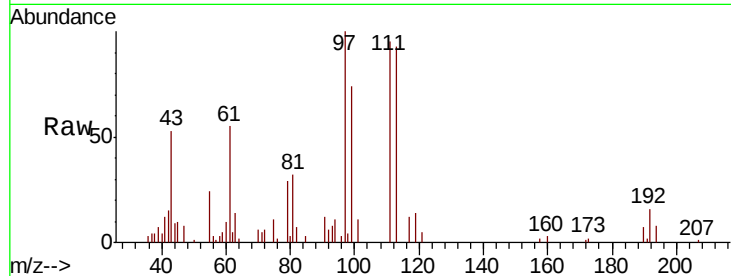
#35
 Dibromofluoromethane
 Concen: 12.48 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	21120		
111	102.6		75.8	113.8
192	0.0		12.2	18.4#

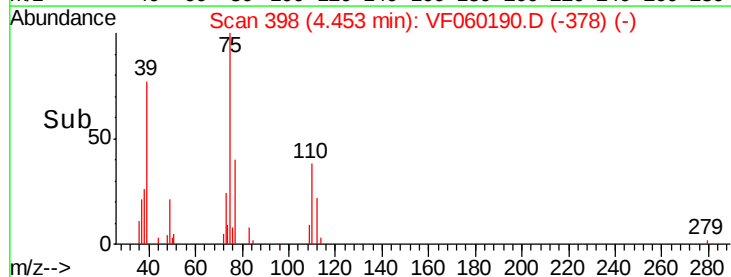
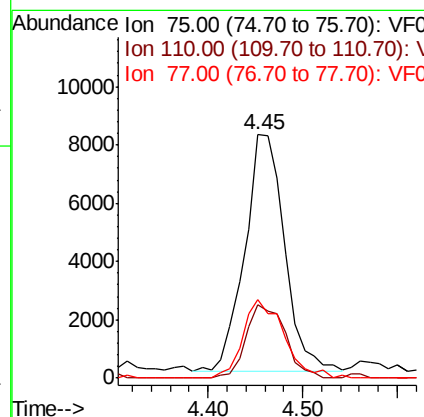
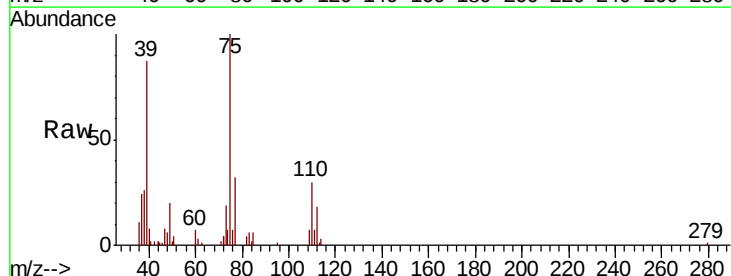
Manual Integrations
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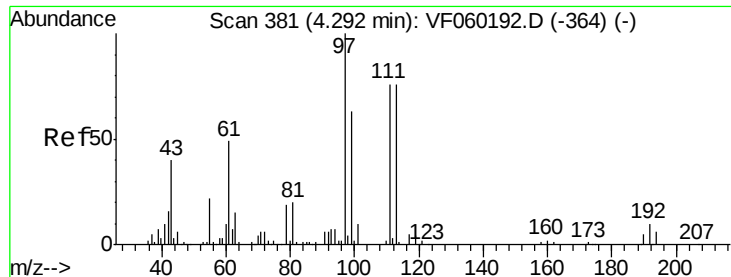
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#36
 1,1-Dichloropropene
 Concen: 7.37 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23998		
110	30.3		13.0	38.9
77	32.2		22.9	34.3





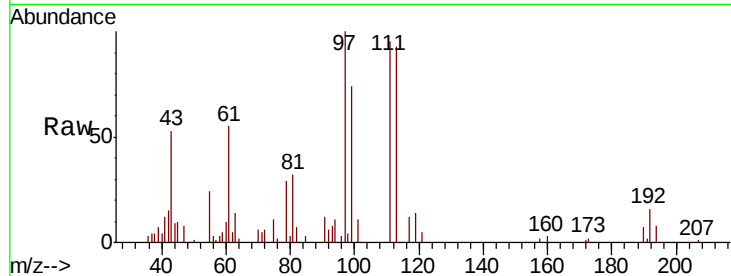
#37
Ethyl Acetate
Concen: 23.54 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	61	70	Ratio	Lower	Upper
14643	100	103.2	11.6		97.2	145.8
					9.0	13.6

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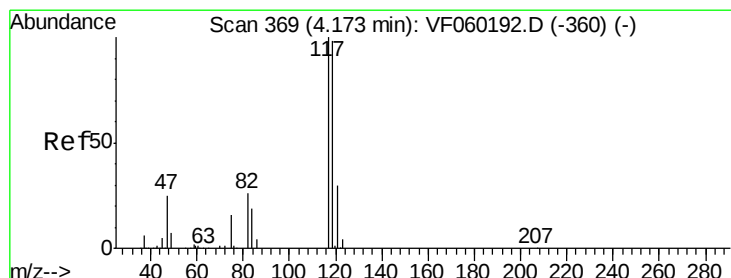
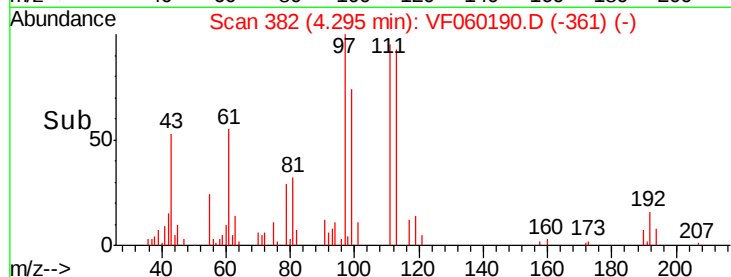
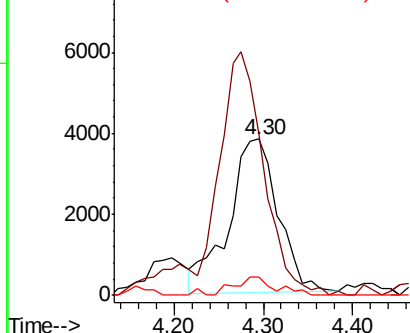


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 7.84 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

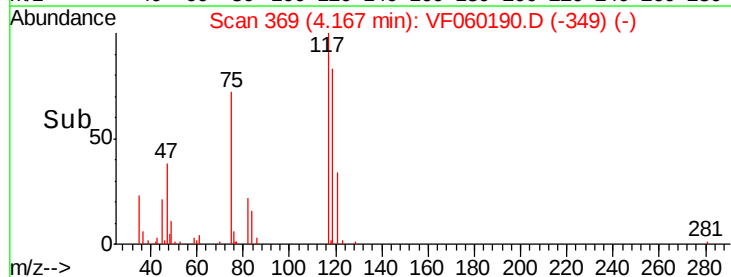
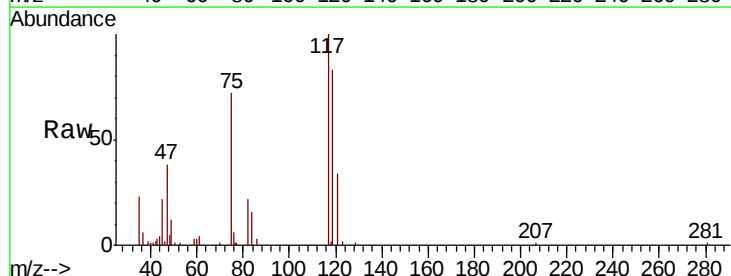
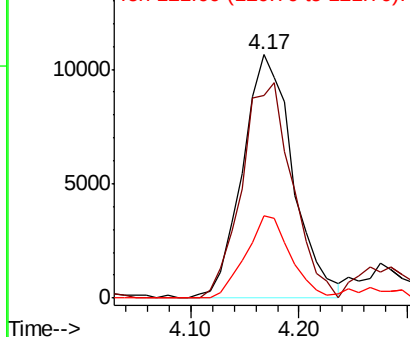
Tgt Ion	117	119	121	Ratio	Lower	Upper
34604	100	83.5	34.1		79.0	118.6
					24.6	37.0

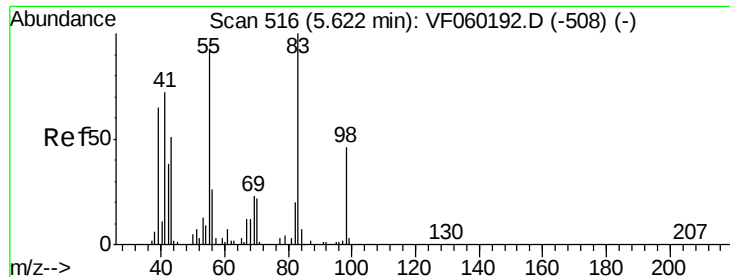
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





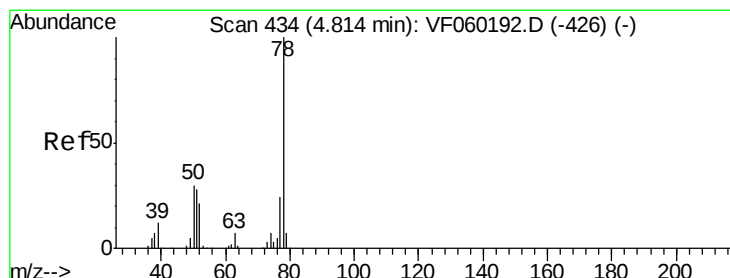
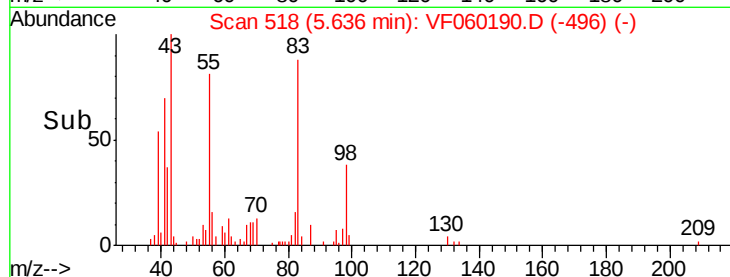
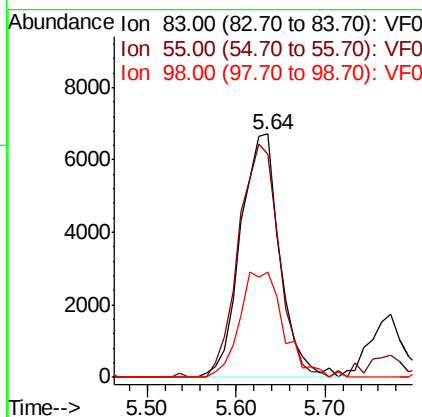
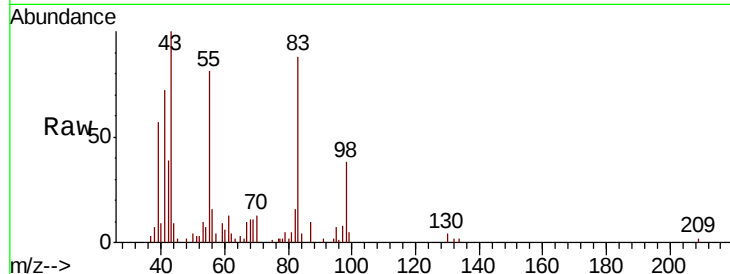
#39
Methvlcvclohexane
Concen: 6.77 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.4	74.5	111.7
98	43.5	36.7	55.1

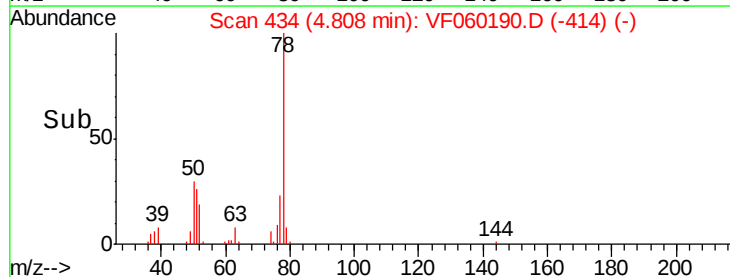
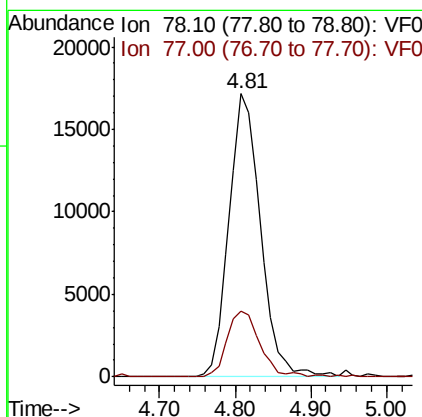
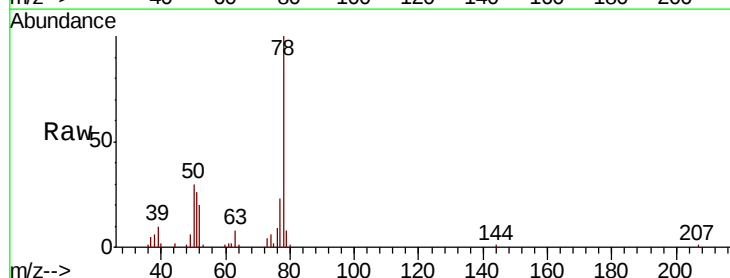
Manual Integrations
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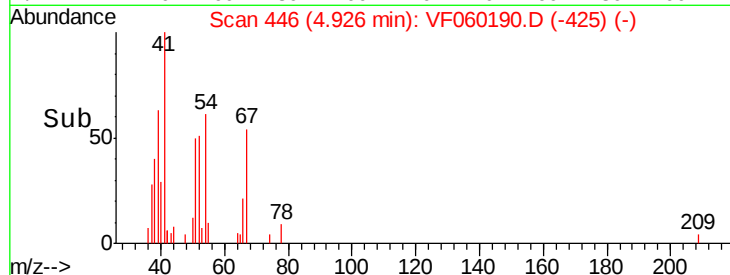
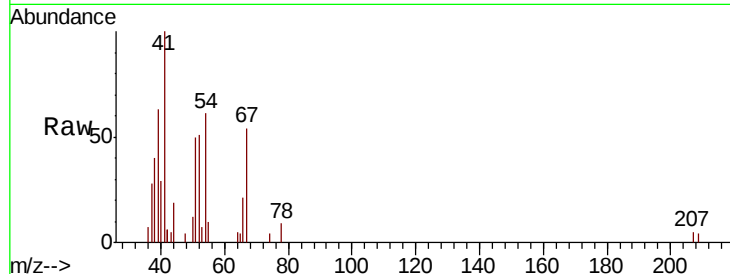
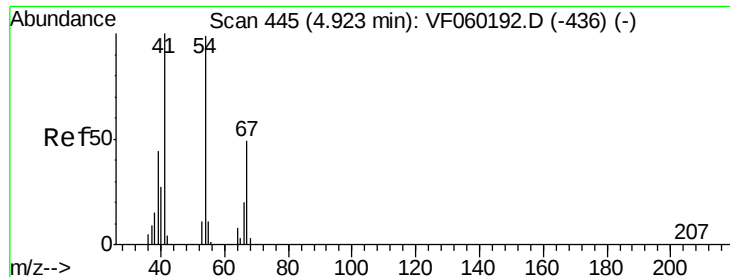
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#40
Benzene
Concen: 10.54 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





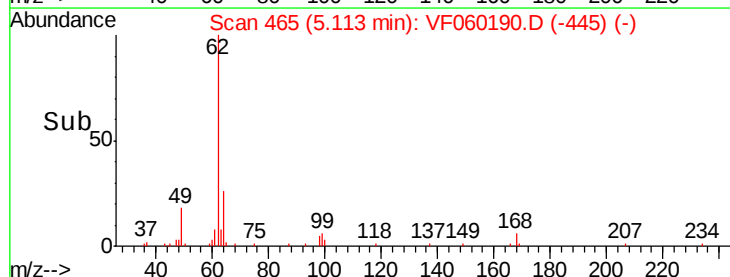
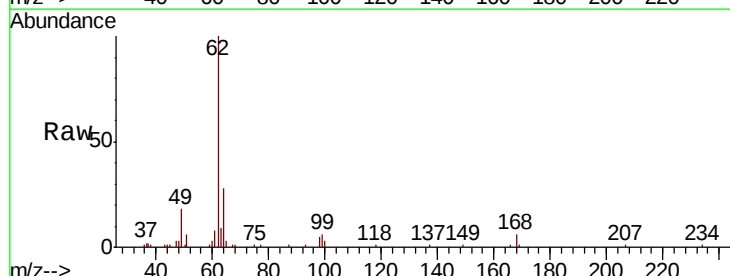
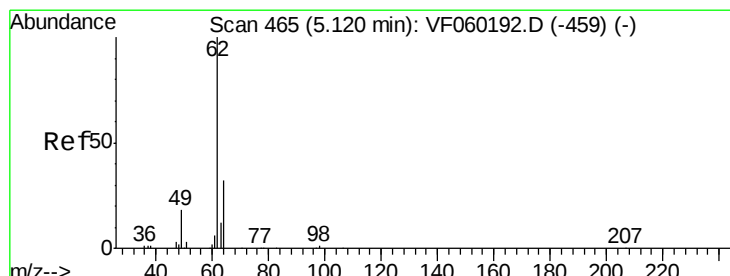
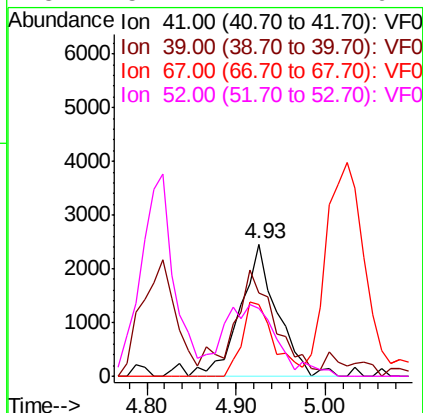
#41
Methacrylonitrile
Concen: 22.10 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tot Ion	Ion	Ratio	Lower	Upper
7070	41	100		
	39	63.1	64.5	96.7#
	67	53.7	38.5	57.7
	52	51.2	47.1	70.7

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

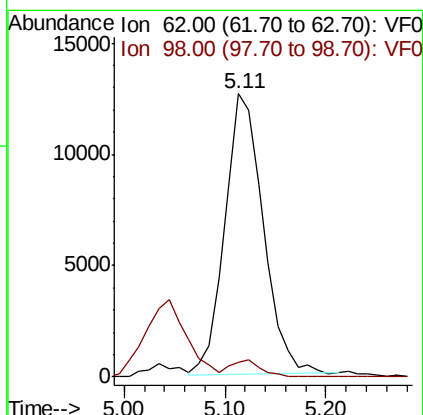
Manual Integrations
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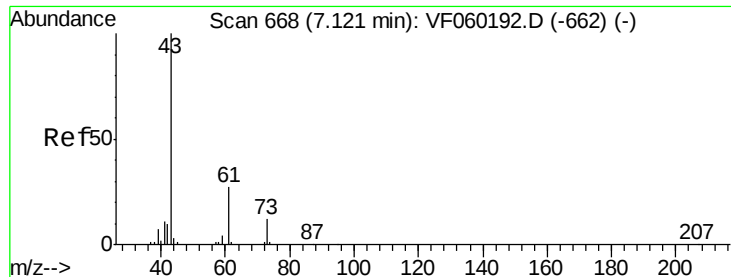
apatel
8/30/2018 3:00:58 PM



#42
1,2-Dichloroethane
Concen: 16.78 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ion	Ratio	Lower	Upper
33437	62	100		
	98	5.0	0.0	9.2





#43

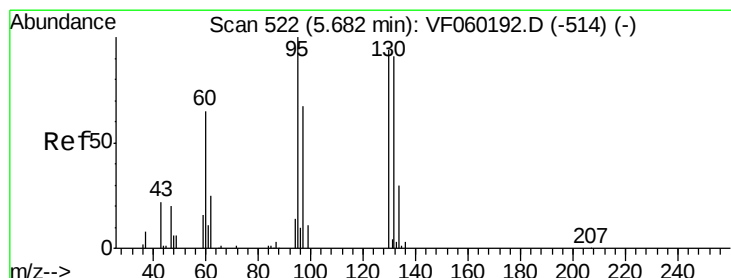
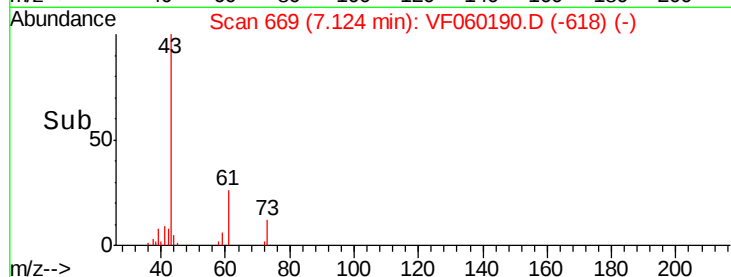
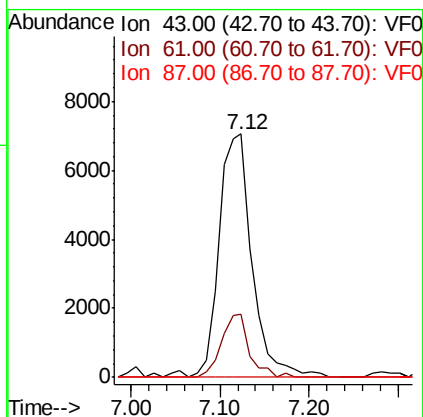
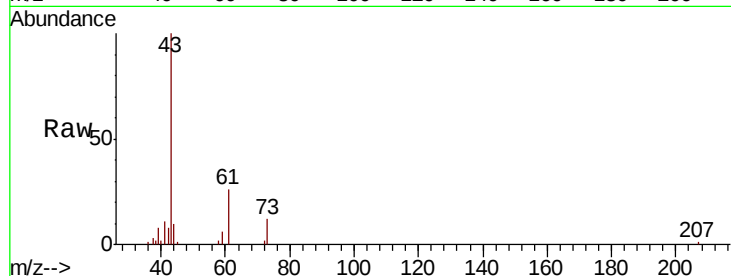
Isopropyl Acetate
 Concen: 24.02 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.4	32.0
87	0.0	0.3	0.5

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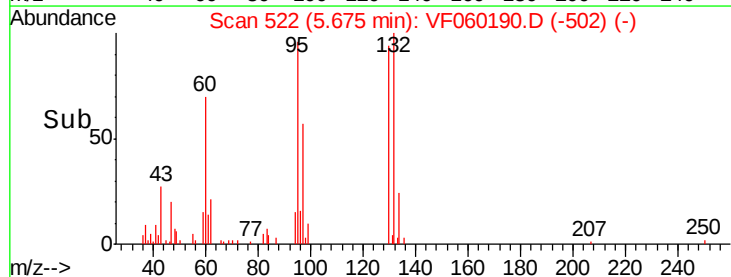
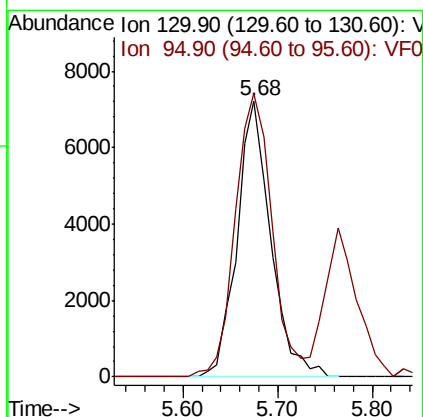
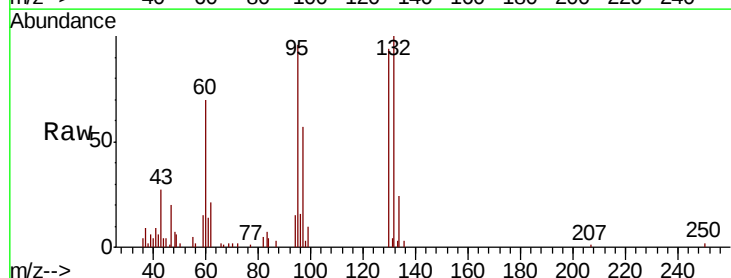
apatel
 8/30/2018 3:00:58 PM

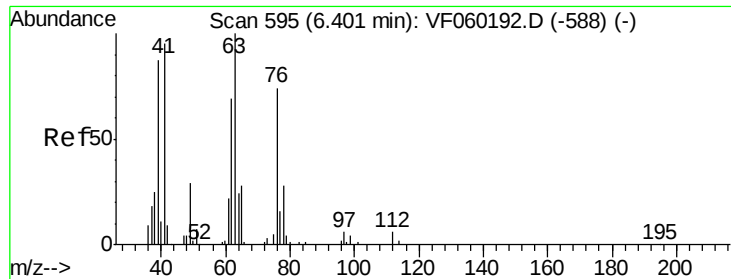


#44

Trichloroethene
 Concen: 9.20 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	213.4





#45

1,2-Dichloropropane

Concen: 13.90 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 14850

Ion Ratio Lower Upper

63 100

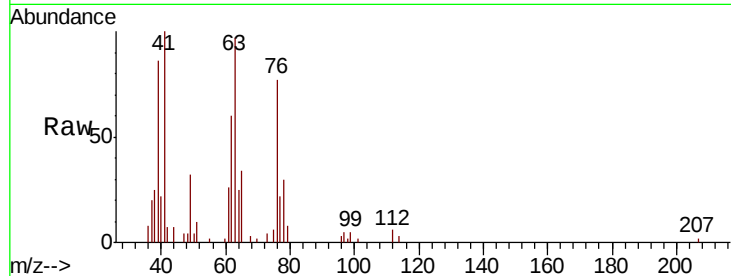
65 35.0 22.2 33.4#

Manual Integrations

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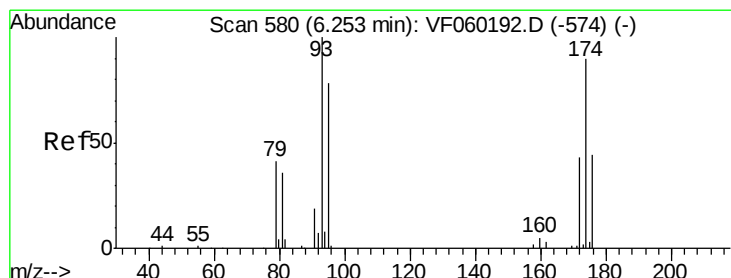
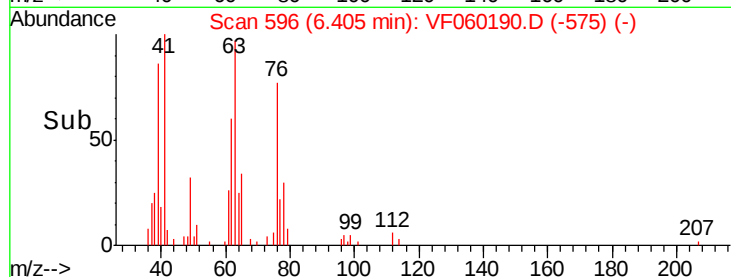
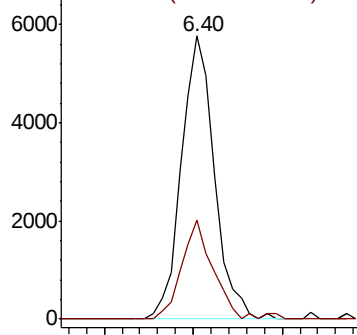
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.70 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

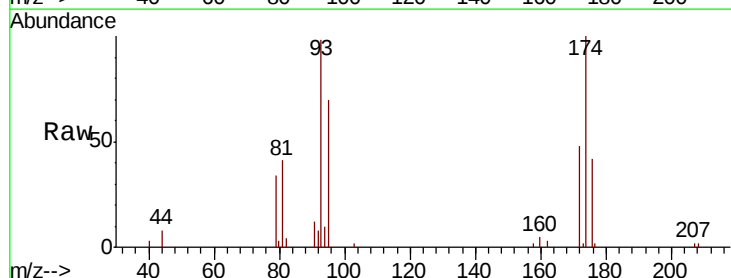
Tgt Ion: 93 Resp: 14328

Ion Ratio Lower Upper

93 100

95 71.3 63.4 95.2

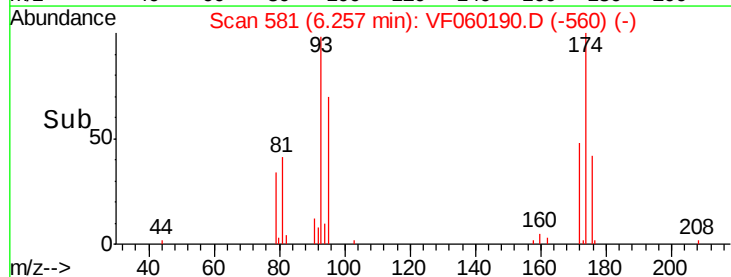
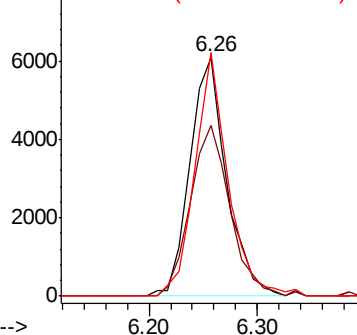
174 101.9 72.0 108.0

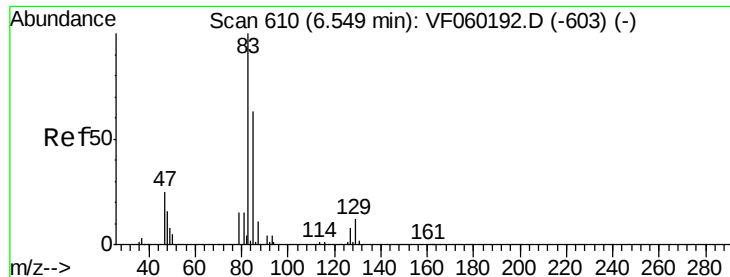


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 14.72 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

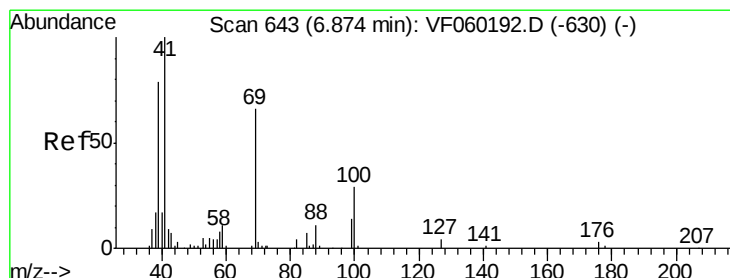
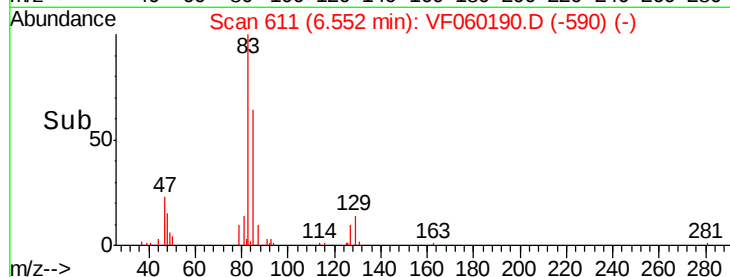
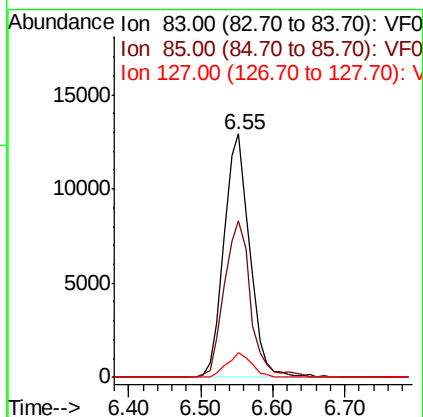
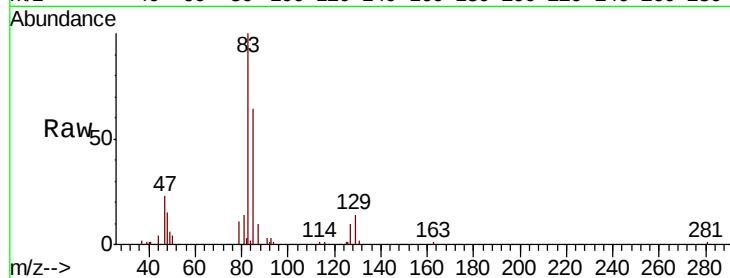
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	31929
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.1	75.1
127	10.0	6.6	10.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.07 ug/l

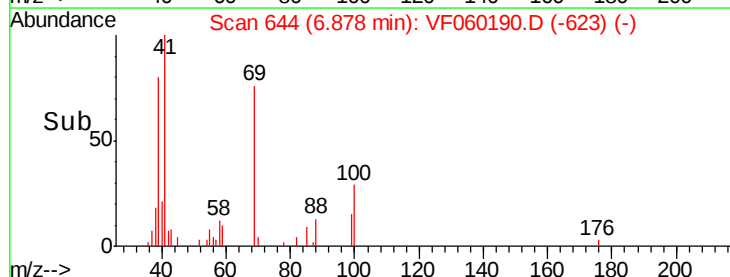
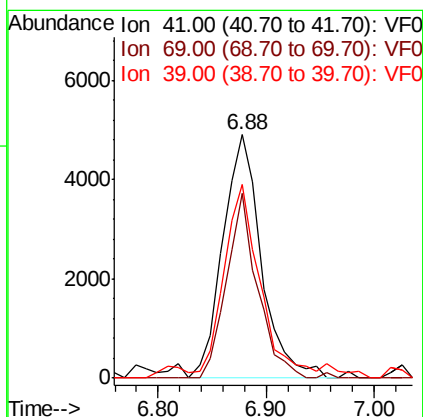
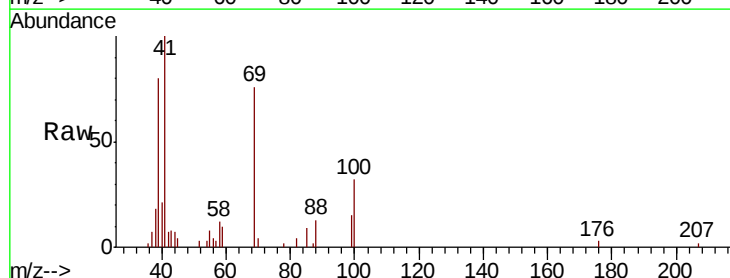
RT: 6.88 min Scan# 644

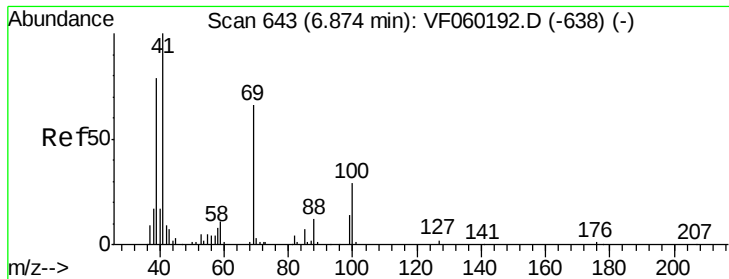
Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Tgt Ion:	41	Resp:	12122
Ion	Ratio	Lower	Upper
41	100		
69	75.9	52.4	78.6
39	79.8	63.6	95.4





#49

1,4-Dioxane

Concen: 424.81 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

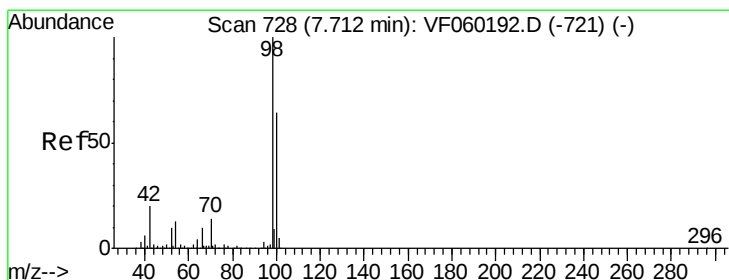
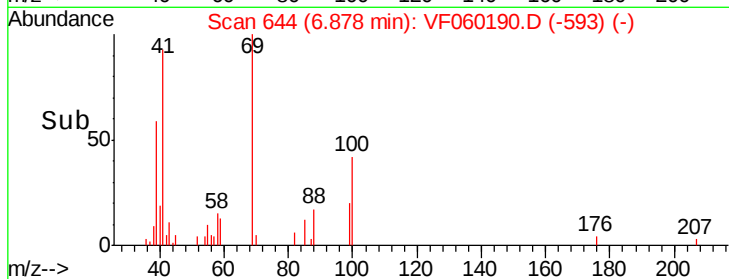
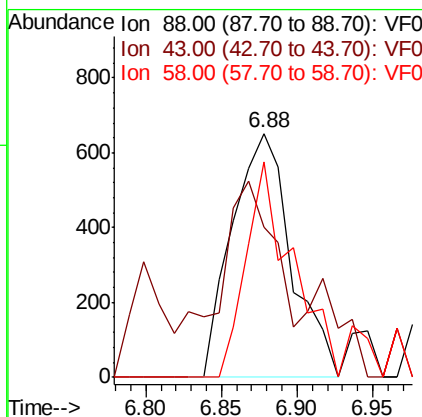
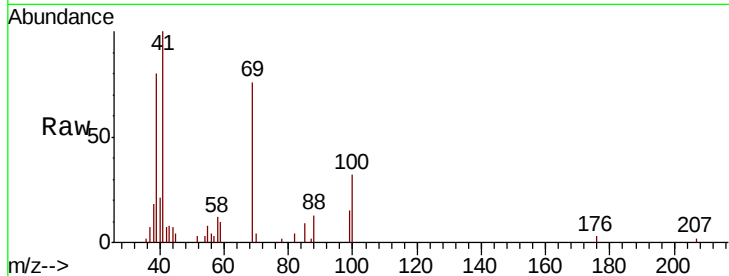
ClientSampleId :

VSTDIC010

Tot Ion:	88	Resp:	1780
Ion	Ratio	Lower	Upper
88	100		
43	61.4	56.5	84.7
58	88.5	53.5	80.3#

Manual Integrations
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#50

Toluene-d8

Concen: 9.91 ug/l

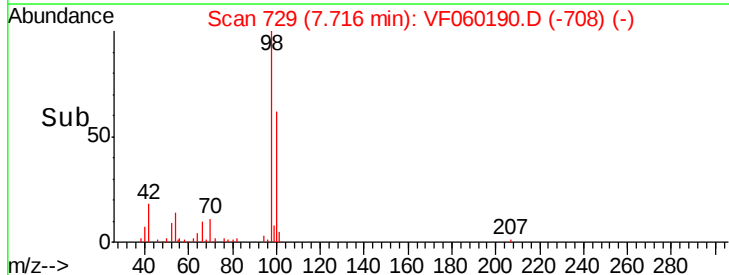
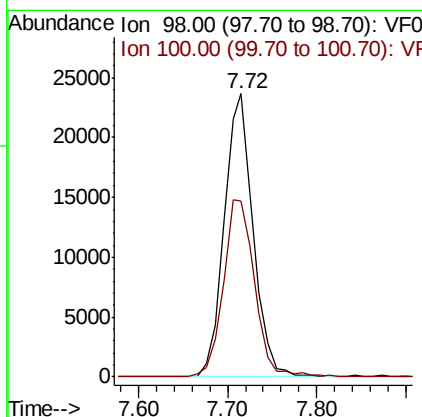
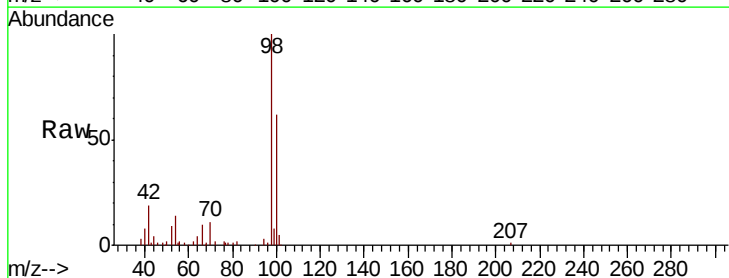
RT: 7.72 min Scan# 729

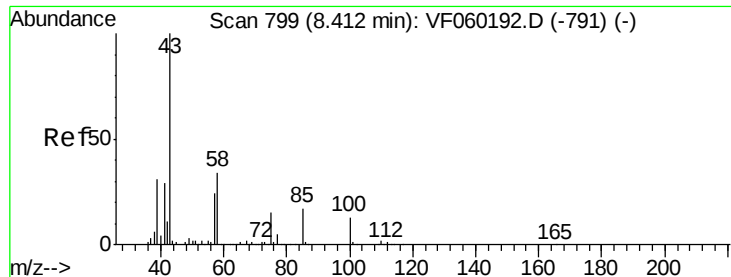
Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Tgt Ion:	98	Resp:	53716
Ion	Ratio	Lower	Upper
98	100		
100	62.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 122.68 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 84209

Ion Ratio Lower Upper

43 100

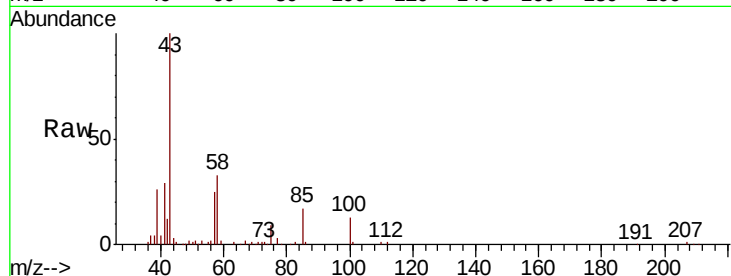
58 33.3 27.2 40.8

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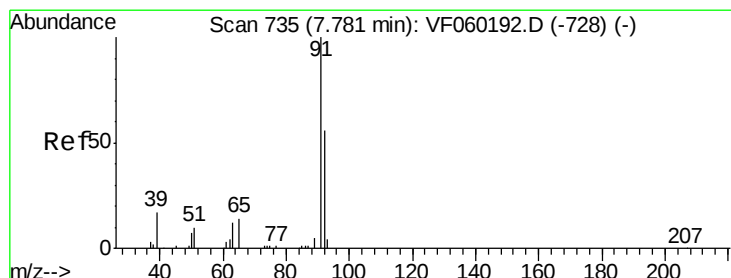
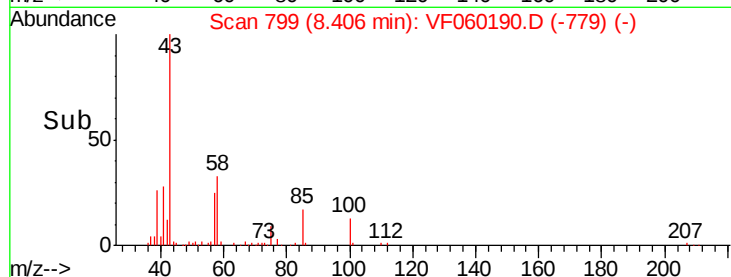
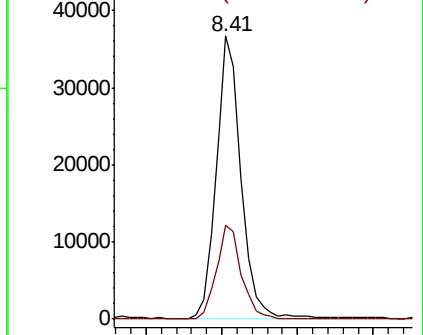
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 11.19 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060190.D

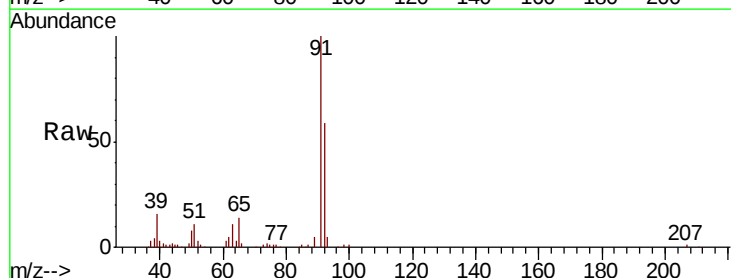
Acq: 29 Aug 2018 15:35

Tgt Ion: 92 Resp: 39780

Ion Ratio Lower Upper

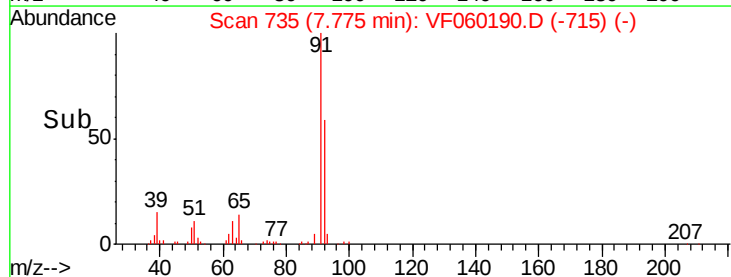
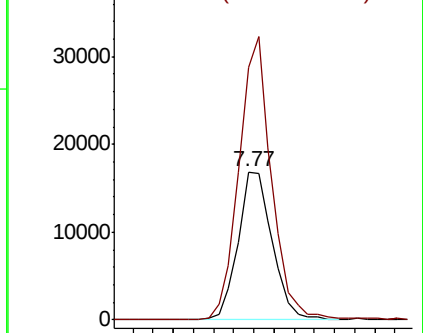
92 100

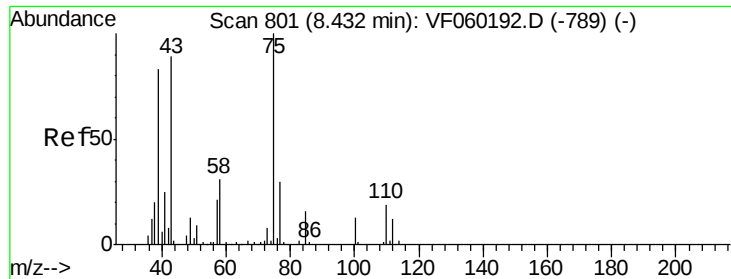
91 170.7 143.2 214.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.43 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 29182

Ion Ratio Lower Upper

75 100

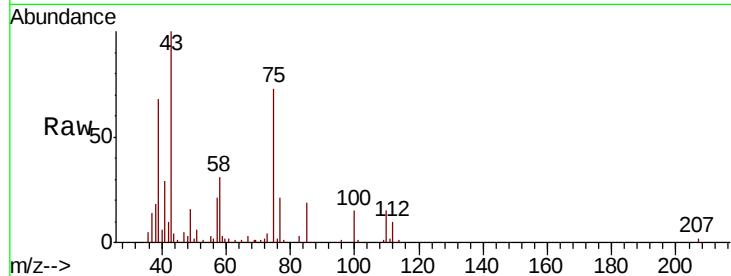
77 28.0 24.2 36.4

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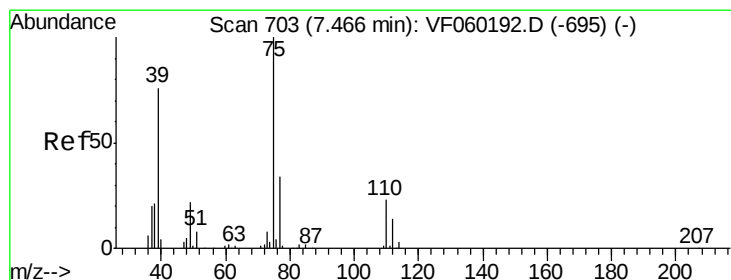
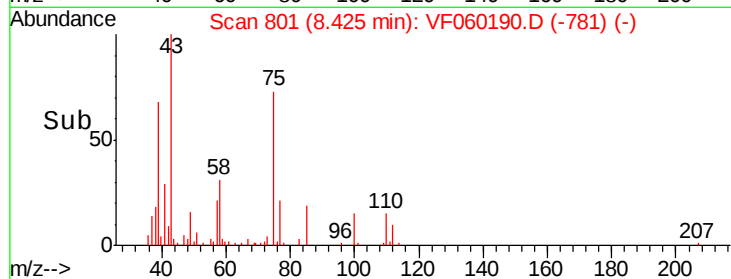
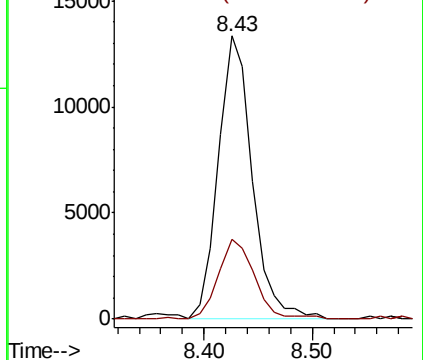
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 16.84 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

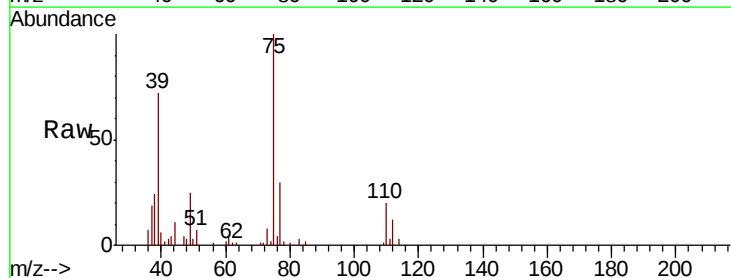
Tgt Ion: 75 Resp: 29150

Ion Ratio Lower Upper

75 100

77 29.9 27.0 40.4

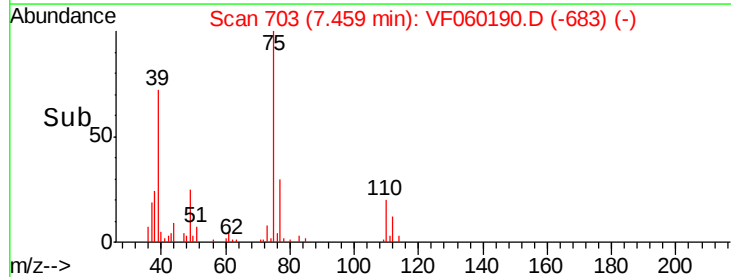
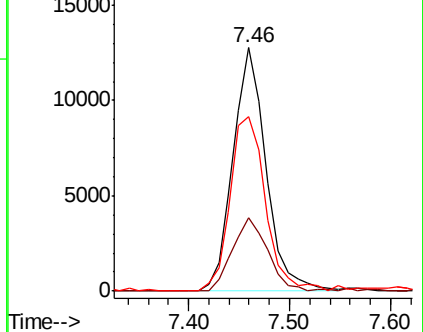
39 71.9 61.4 92.0

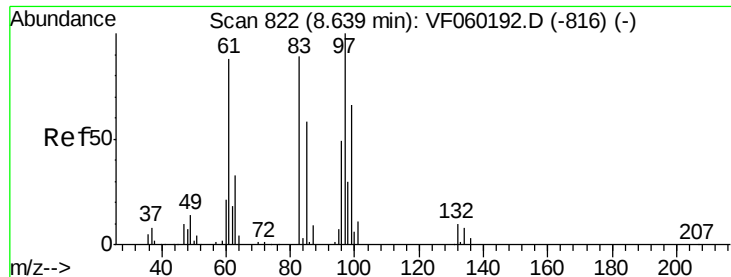


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 18.57 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

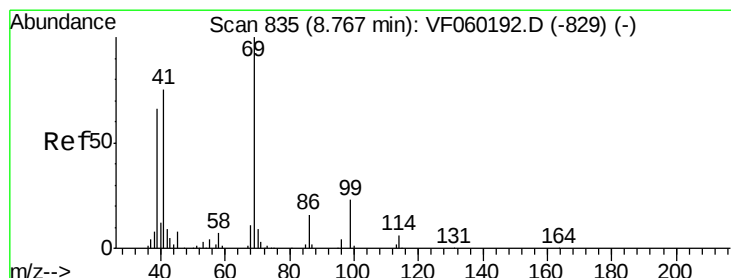
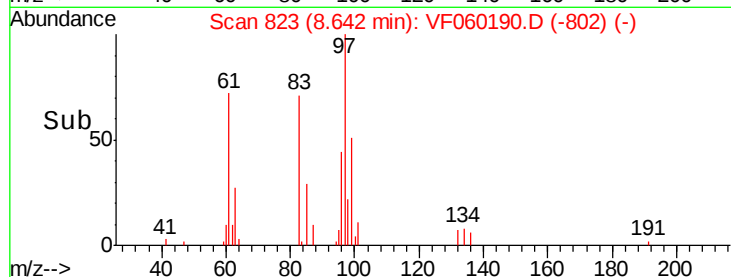
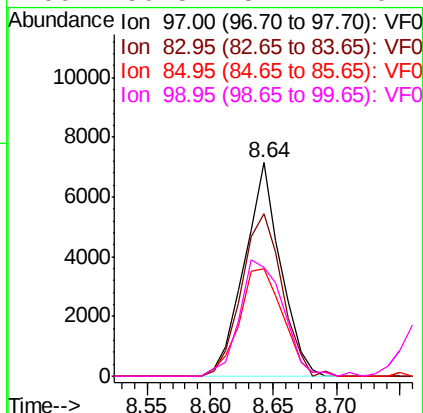
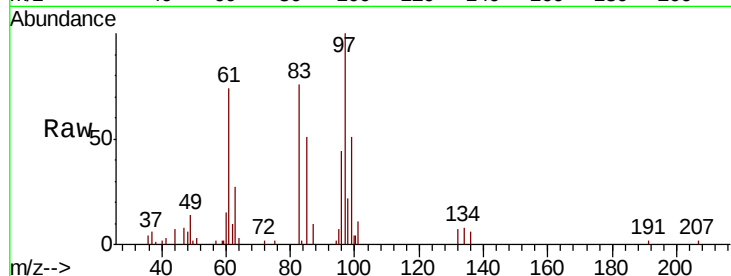
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	14327
Ion	Ratio	Lower	Upper
97	100		
83	76.3	71.0	106.4
85	50.6	46.6	70.0
99	50.8	52.7	79.1#

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#56

Ethyl methacrylate

Concen: 22.76 ug/l

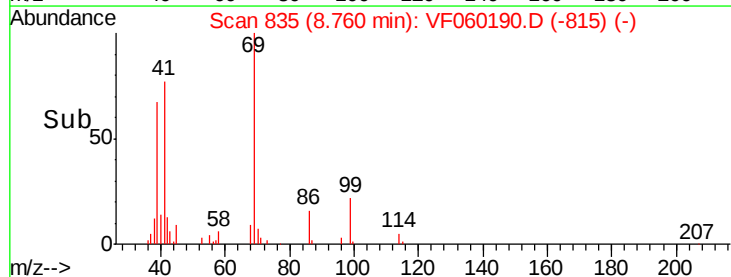
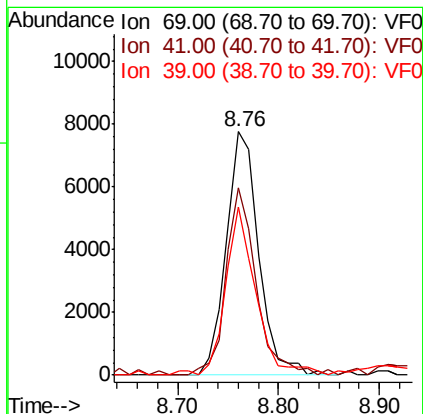
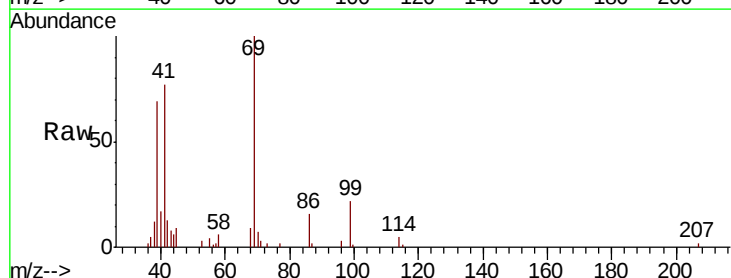
RT: 8.76 min Scan# 835

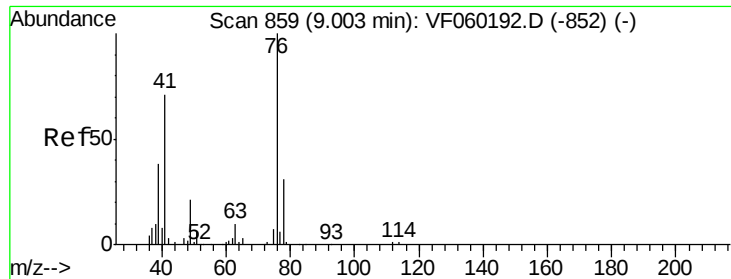
Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Tgt Ion:	69	Resp:	17297
Ion	Ratio	Lower	Upper
69	100		
41	77.1	60.6	90.8
39	68.8	53.4	80.2





#57

1,3-Dichloropropane

Concen: 19.68 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 26387

Ion Ratio Lower Upper

76 100

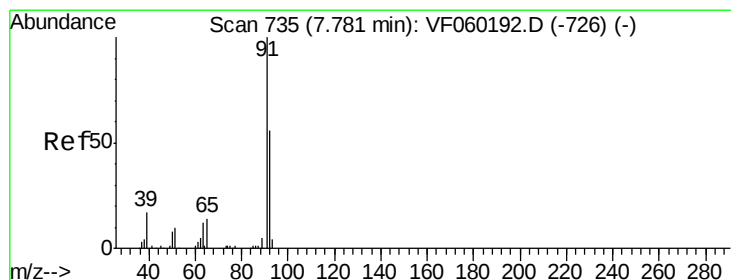
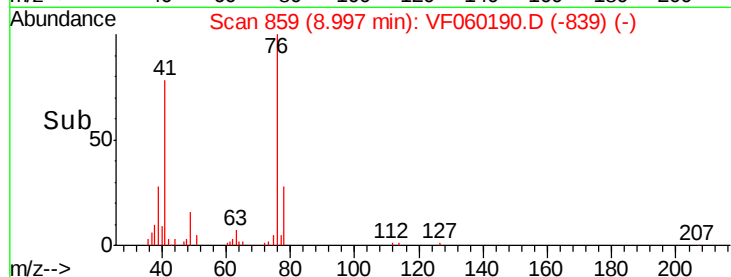
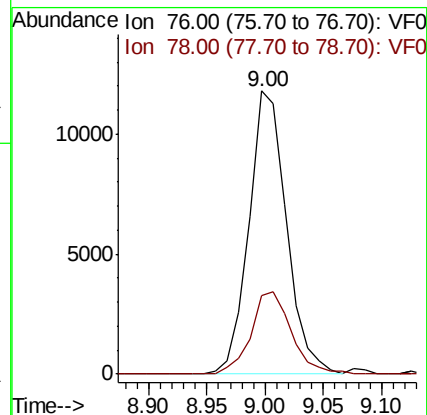
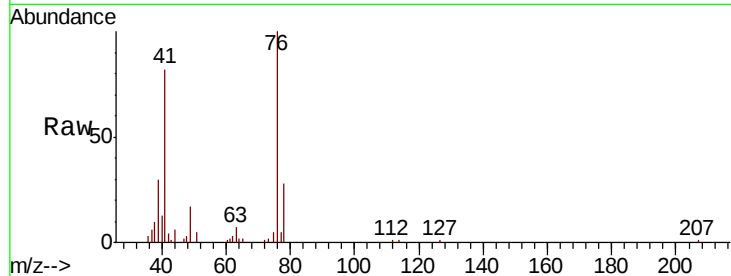
78 27.8 24.5 36.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 60.21 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060190.D

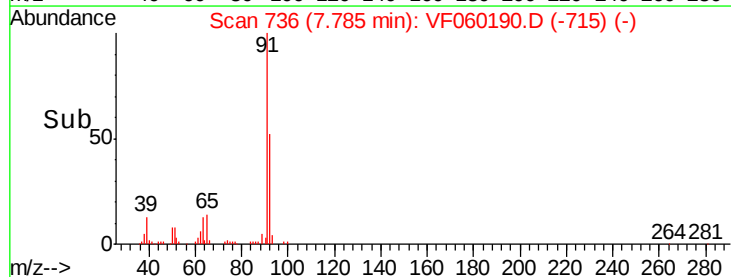
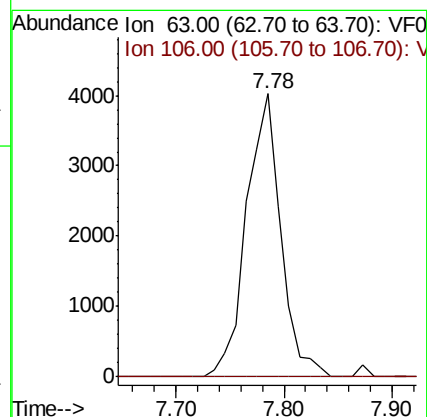
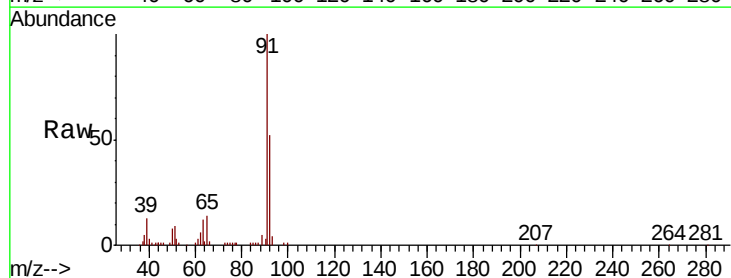
Acq: 29 Aug 2018 15:35

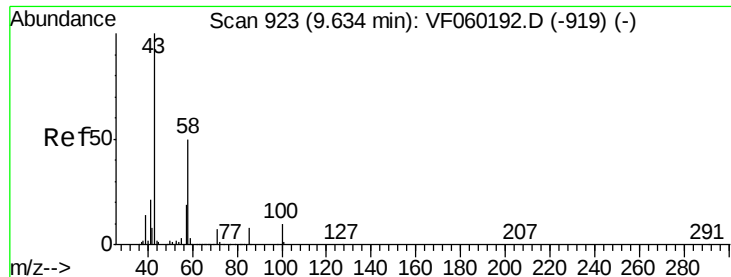
Tgt Ion: 63 Resp: 8893

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





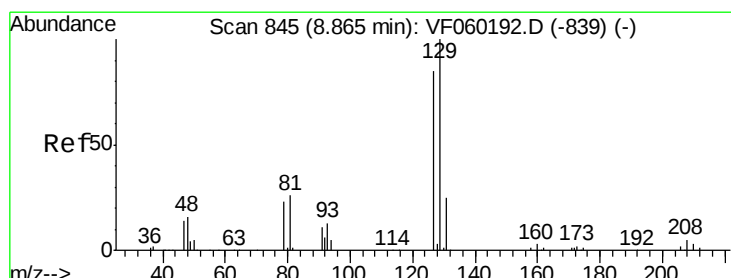
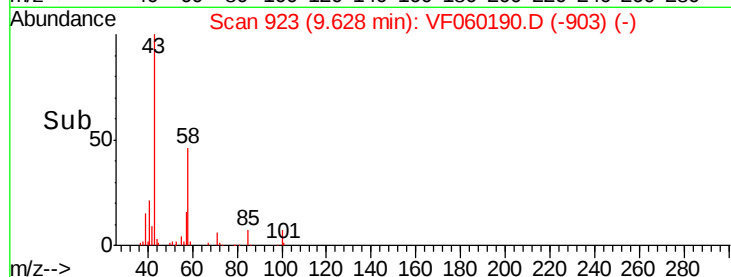
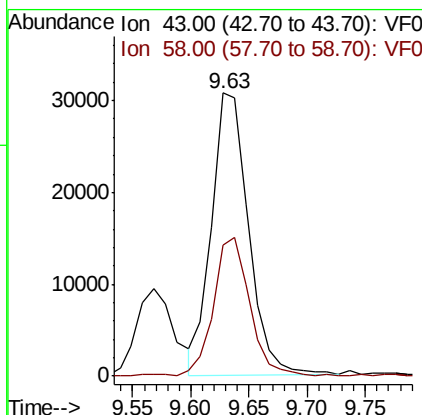
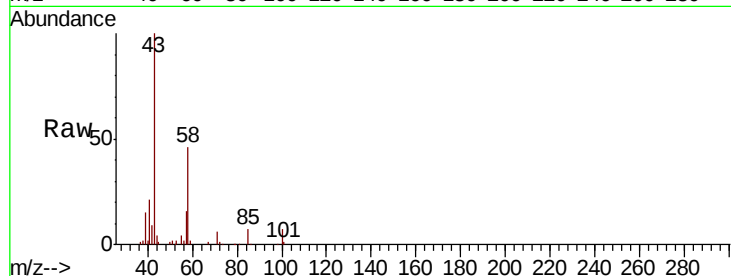
#59
2-Hexanone
Concen: 130.86 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.1	23.0	69.0

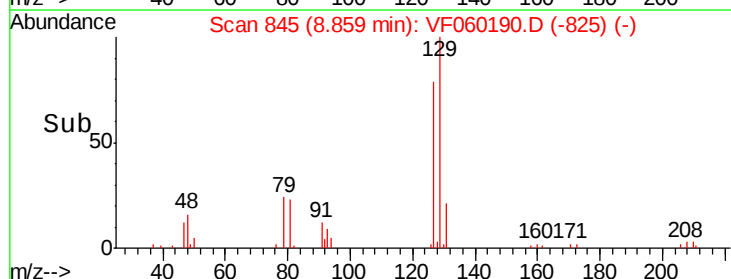
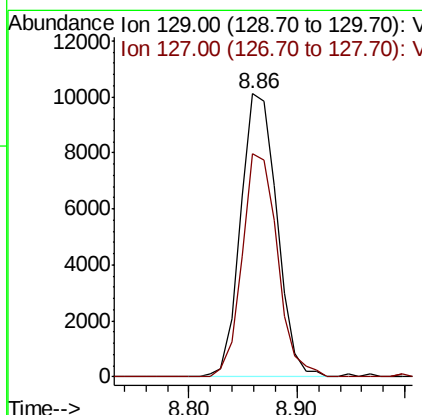
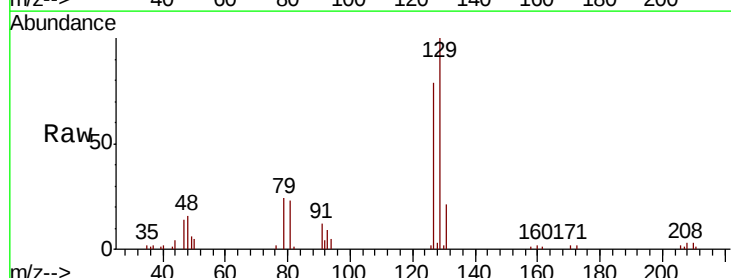
Manual Integrations
APPROVED

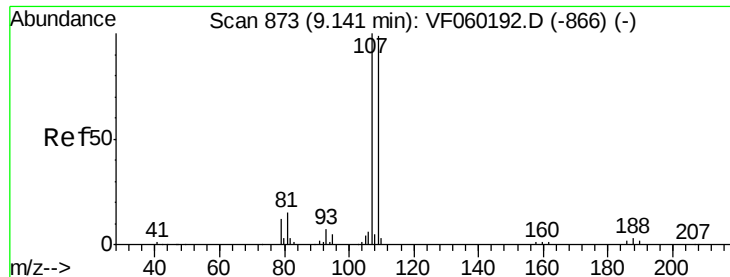
apatel
8/30/2018 3:00:58 PM



#60
Dibromochloromethane
Concen: 18.82 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	42.5	127.5





#61

1,2-Dibromoethane

Concen: 19.81 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 16785

Ion Ratio Lower Upper

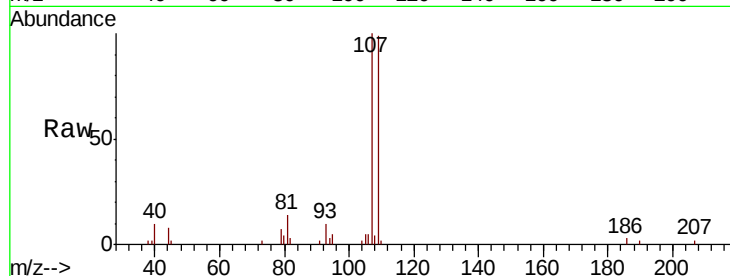
107 100

109 99.1 79.5 119.3

Manual Integrations
APPROVED

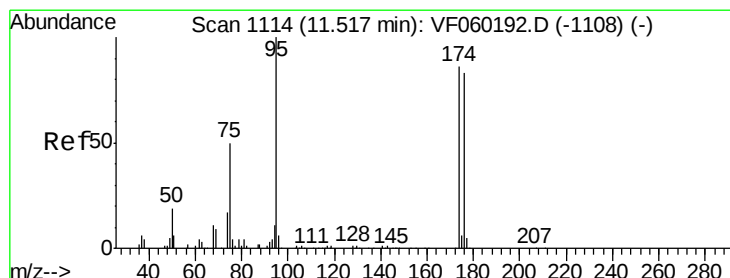
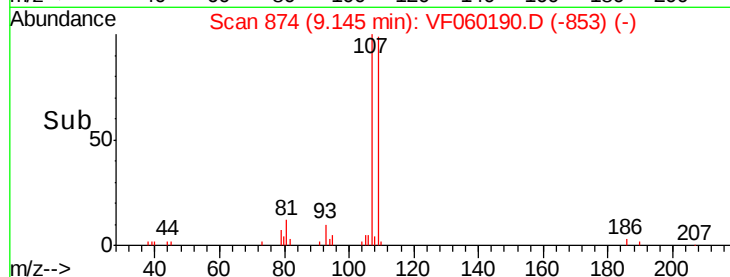
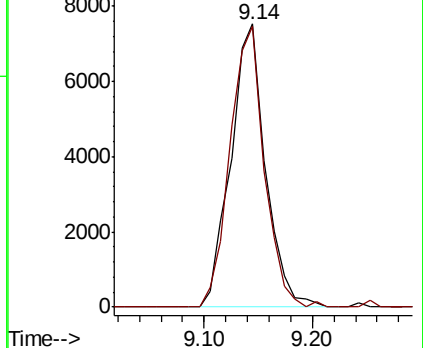
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 14.58 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

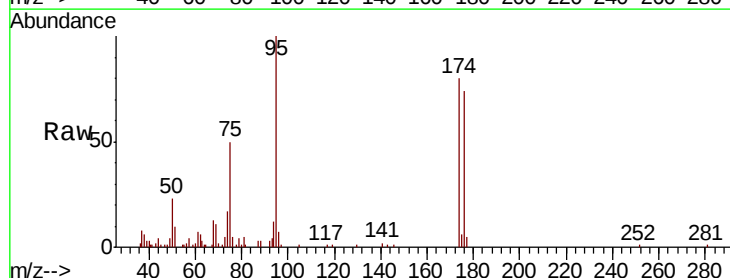
Tgt Ion: 95 Resp: 32422

Ion Ratio Lower Upper

95 100

174 80.4 0.0 171.2

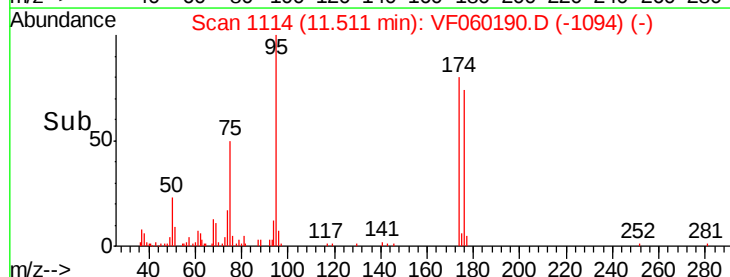
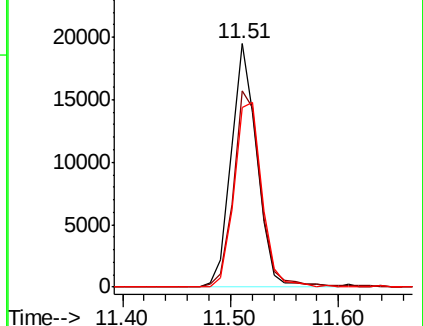
176 73.9 0.0 167.0

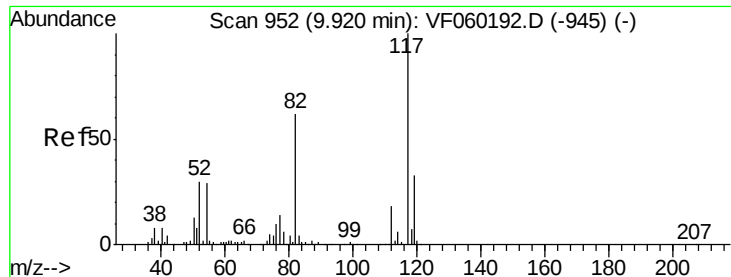


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





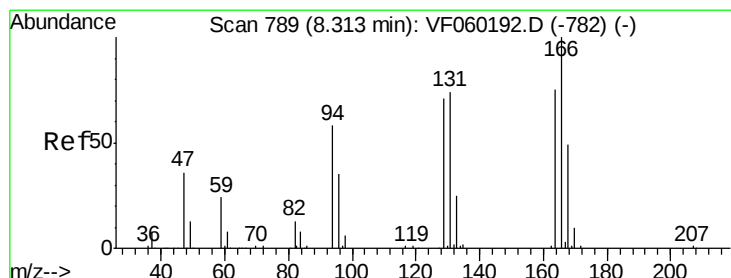
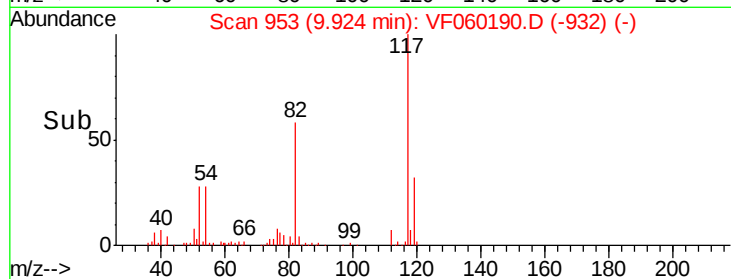
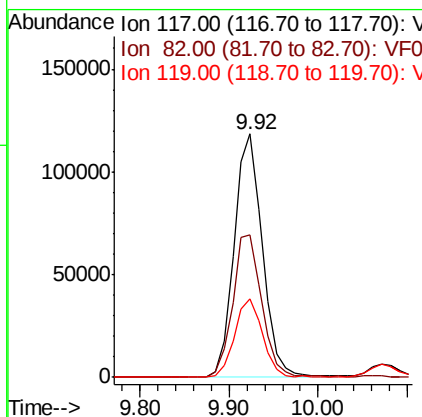
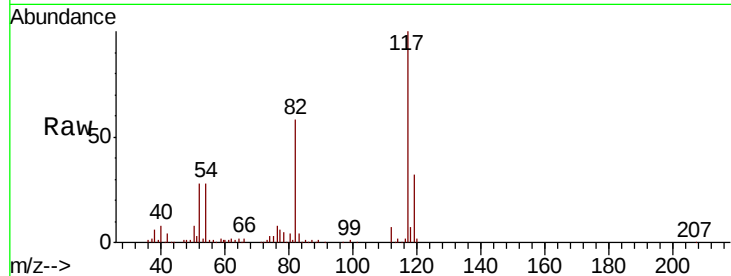
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262497		
82	58.4		49.9	74.9
119	32.3		26.5	39.7

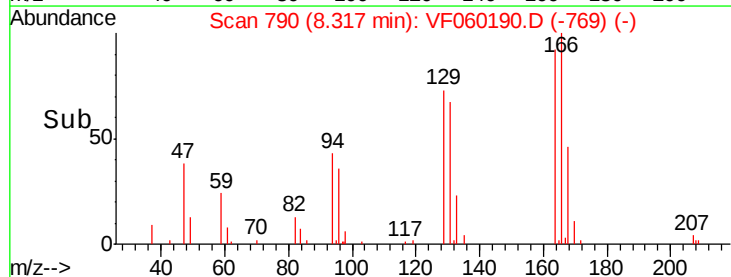
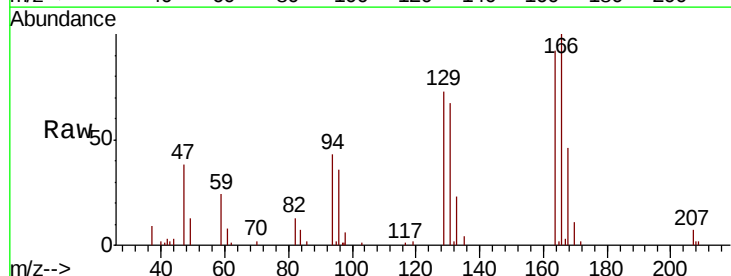
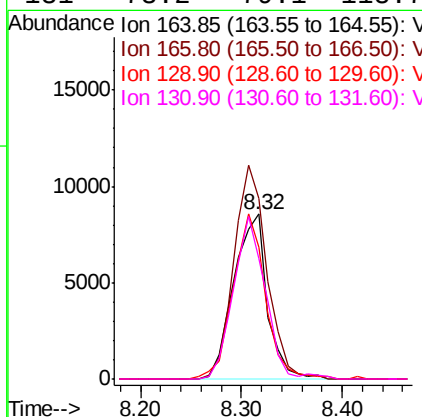
Manual Integrations
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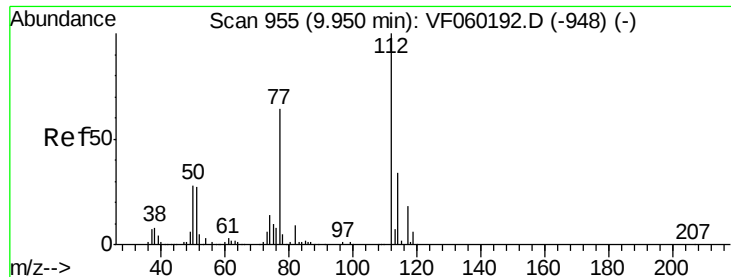
apatel
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#64
Tetrachloroethene
Concen: 6.59 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19881		
166	109.1		106.6	160.0
129	80.1		75.4	113.0
131	73.2		79.1	118.7#





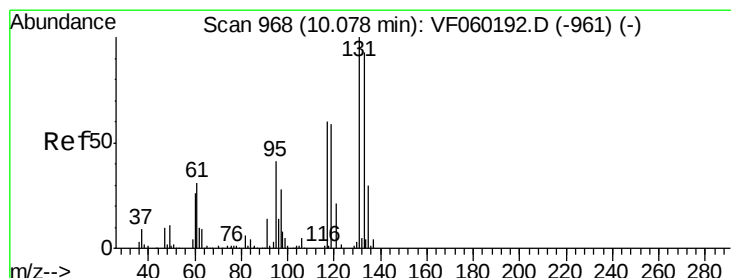
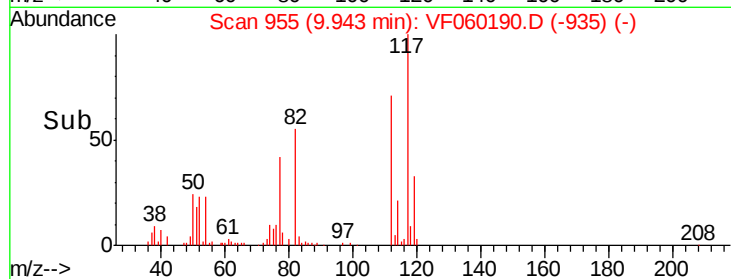
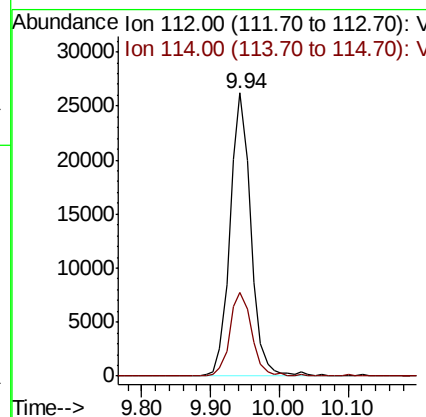
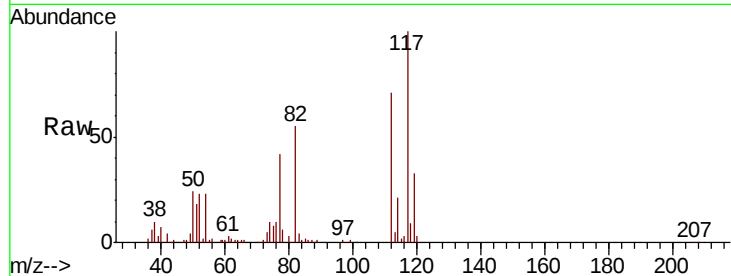
#65
Chlorobenzene
Concen: 10.36 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.7	26.8	40.2

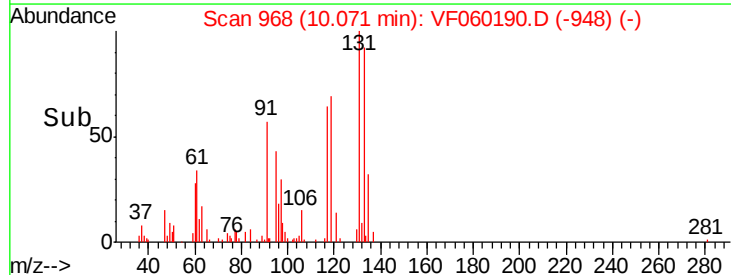
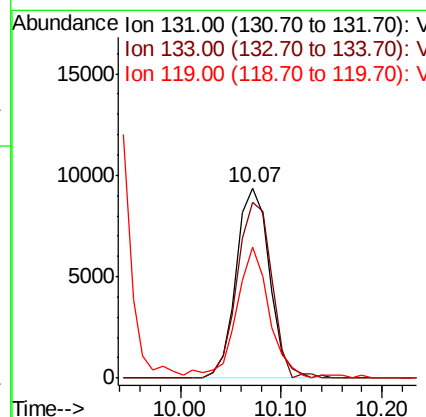
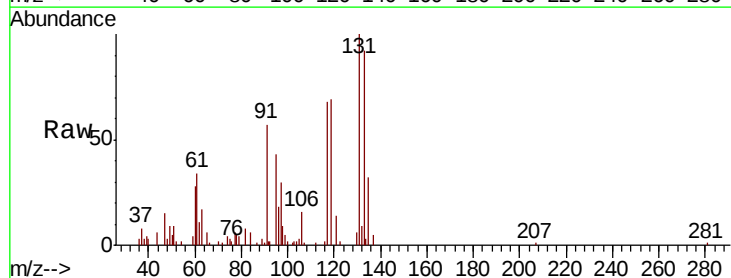
Manual Integrations
APPROVED

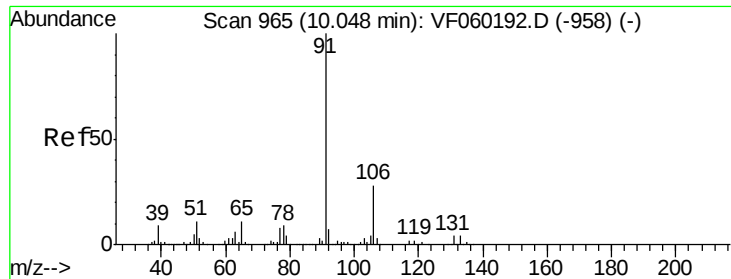
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 11.84 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.1	46.6	139.7
119	68.6	29.9	89.7





#67

Ethyl Benzene

Concen: 8.45 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 96772

Ion Ratio Lower Upper

91 100

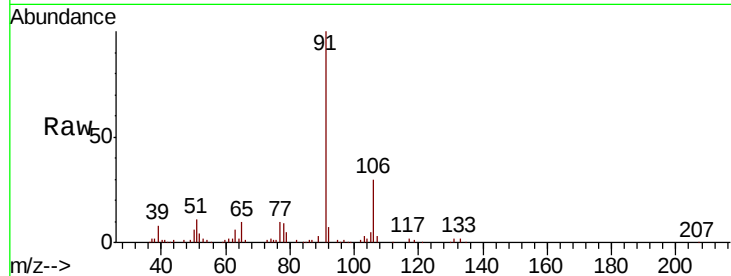
106 30.1 22.0 33.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

50000

40000

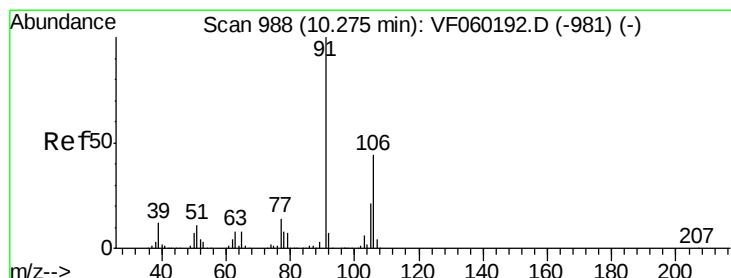
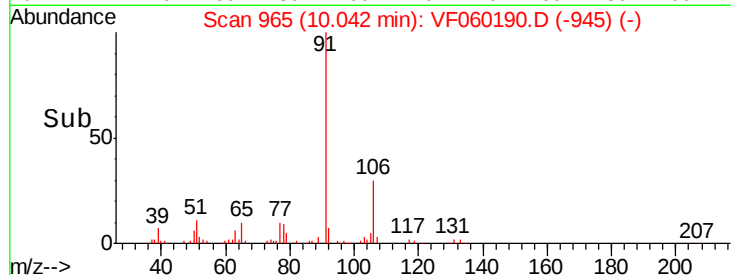
30000

20000

10000

0

Time--> 9.90 10.00 10.10 10.20



#68

m/p-Xylenes

Concen: 18.32 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF060190.D

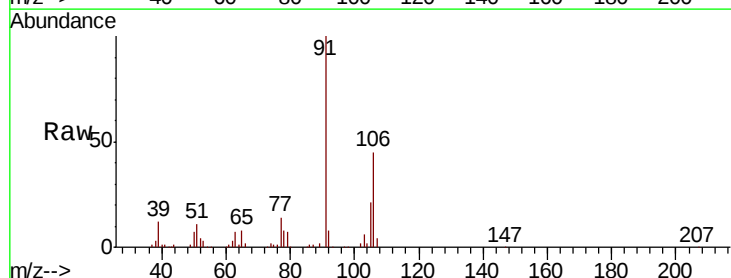
Acq: 29 Aug 2018 15:35

Tgt Ion:106 Resp: 70050

Ion Ratio Lower Upper

106 100

91 223.2 183.4 275.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

80000

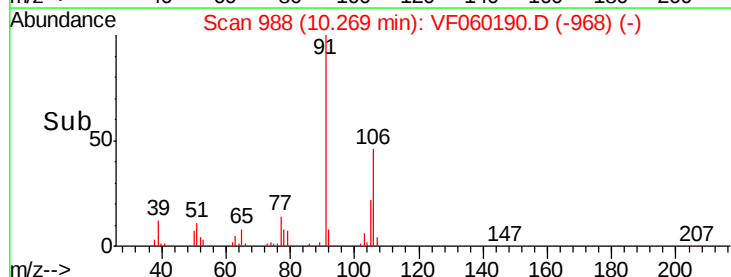
60000

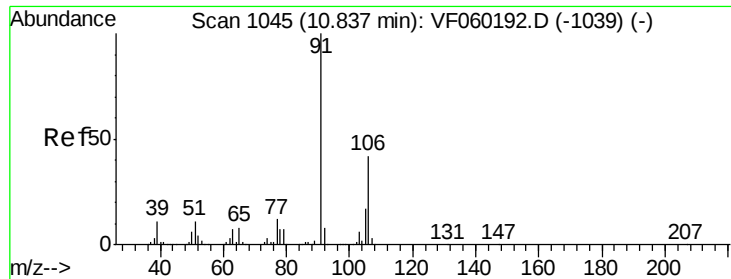
40000

20000

0

Time--> 10.20 10.30 10.40





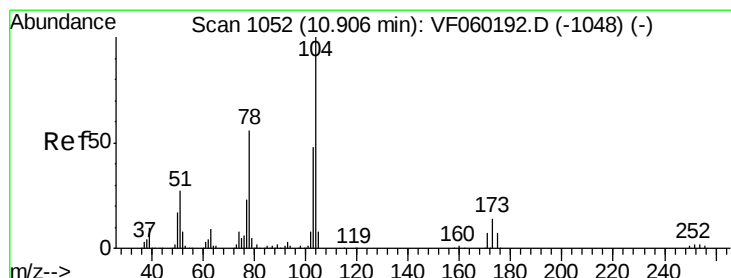
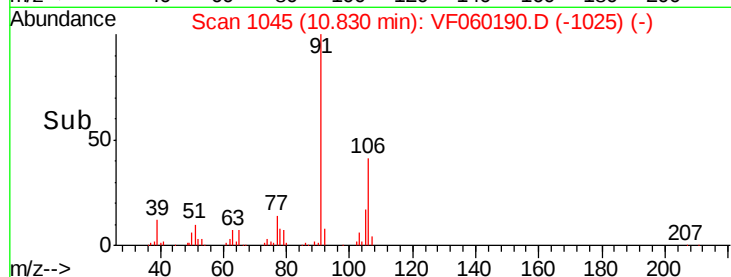
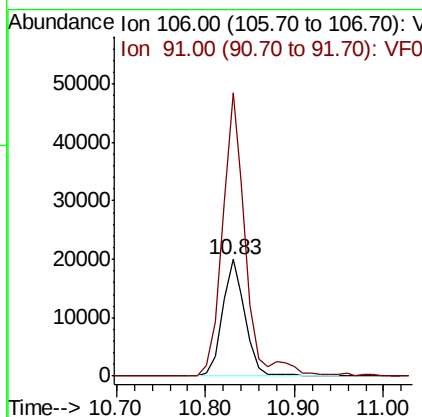
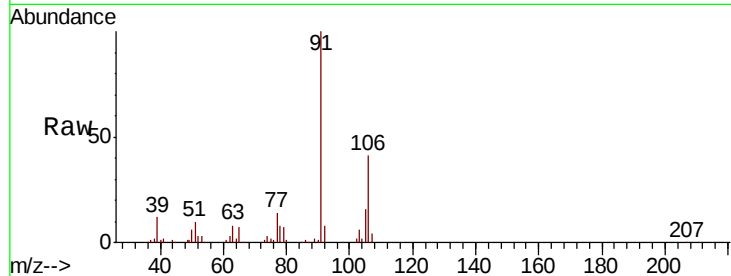
#69
o-Xylene
Concen: 10.15 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	243.1	120.2	360.6

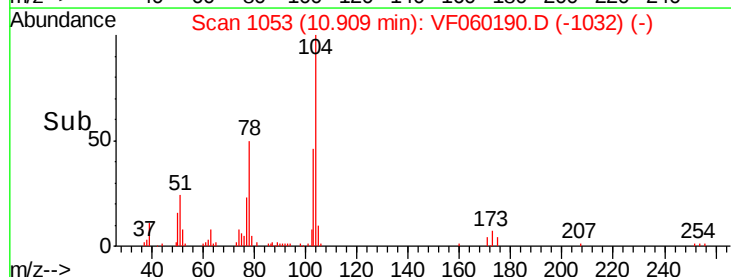
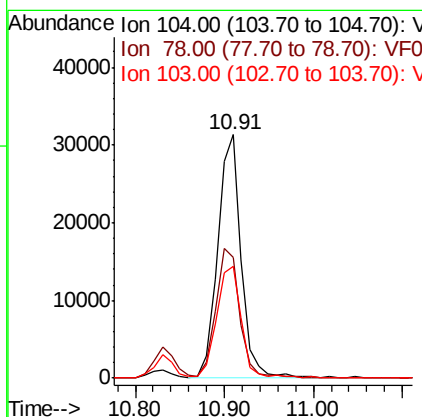
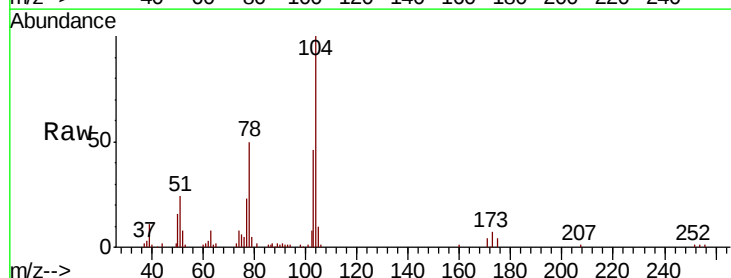
Manual Integrations
APPROVED

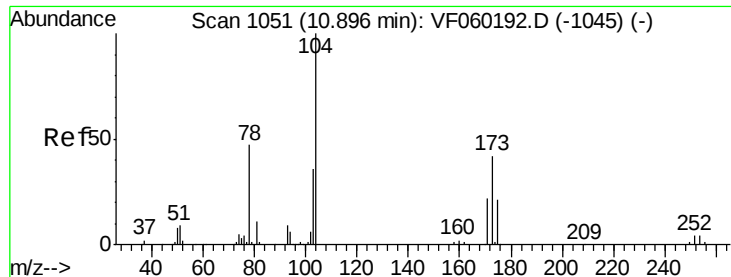
apatel
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#70
Styrene
Concen: 12.80 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	45.4	68.0
103	45.9	38.9	58.3





#71

Bromoform

Concen: 17.44 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 13564

Ion Ratio Lower Upper

173 100

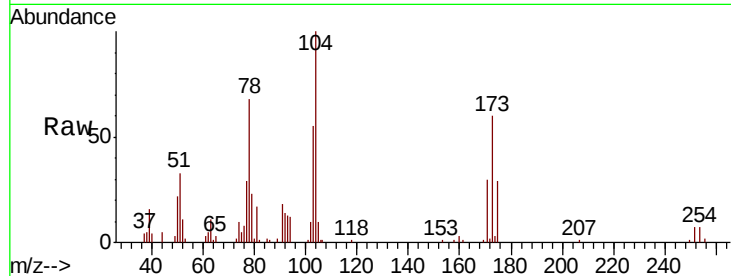
175 47.7 24.8 74.3

254 0.0 0.0 0.0

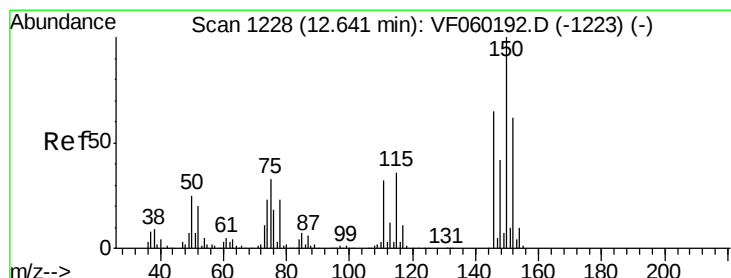
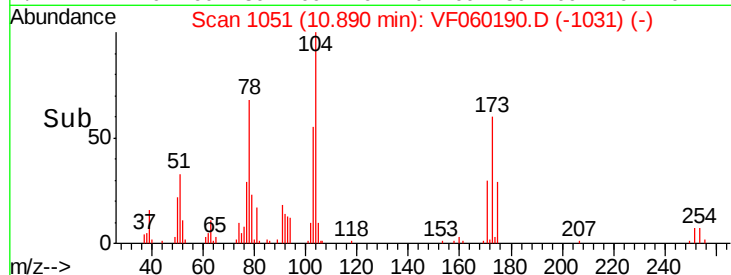
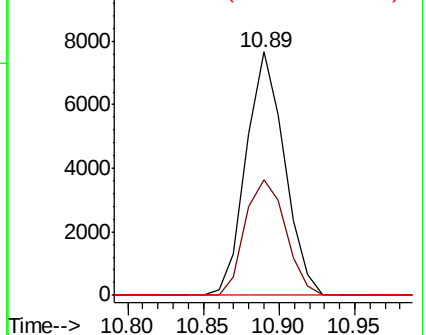
Manual Integrations
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

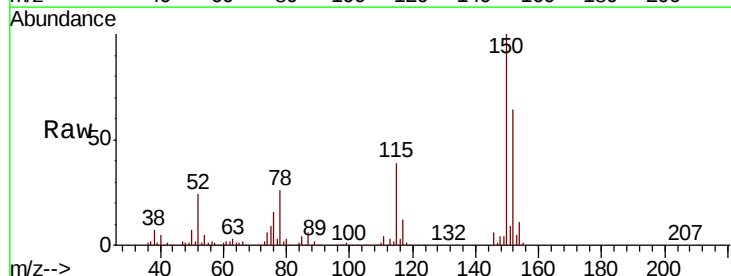
Tgt Ion:152 Resp: 170637

Ion Ratio Lower Upper

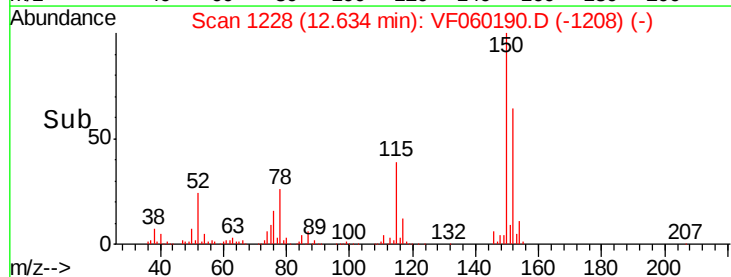
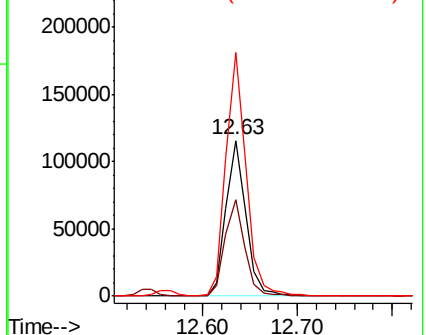
152 100

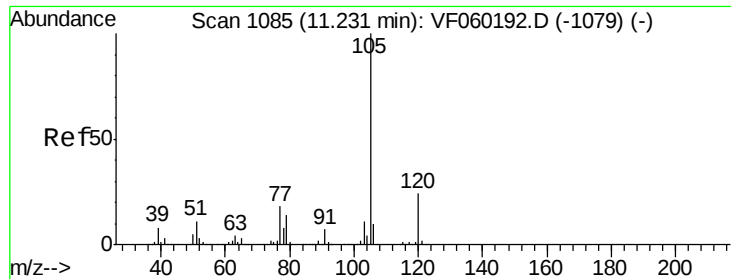
115 61.5 28.9 86.8

150 156.2 0.0 323.2



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: 6.46 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 111302

Ion Ratio Lower Upper

105 100

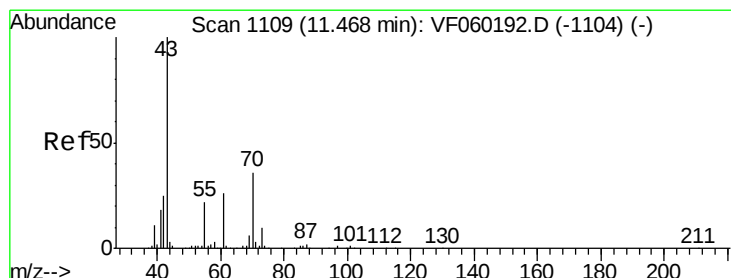
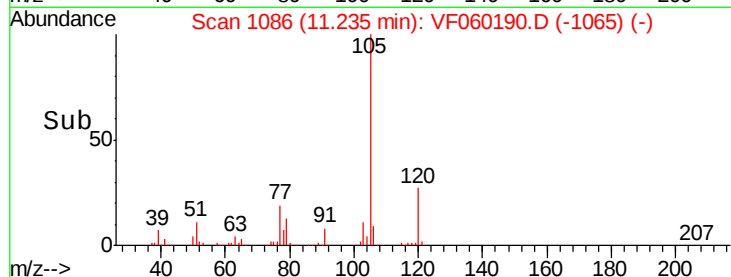
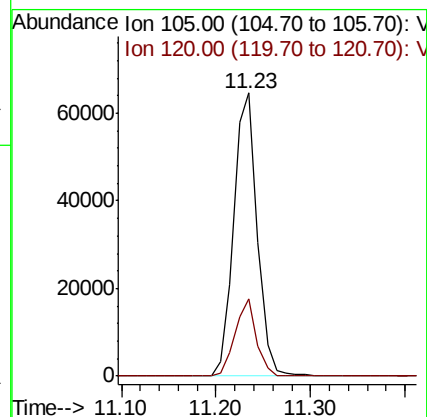
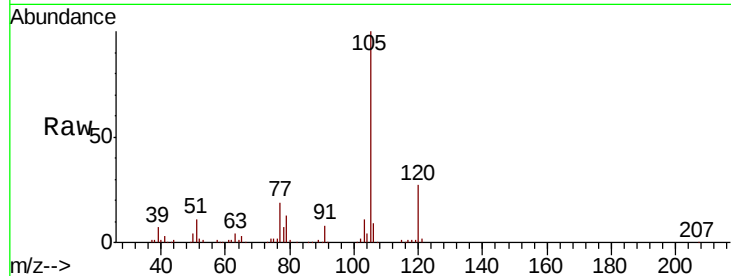
120 27.4 12.3 36.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.37 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Tgt Ion: 43 Resp: 29115

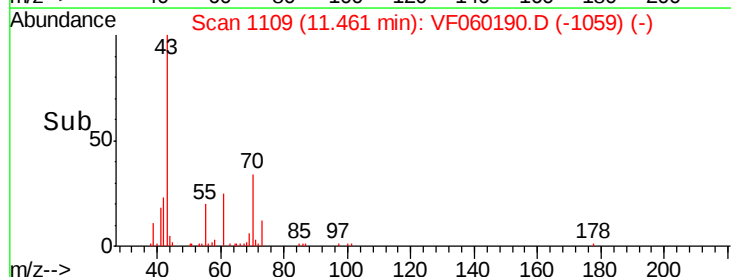
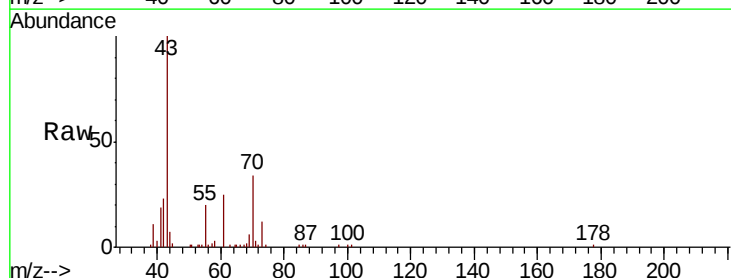
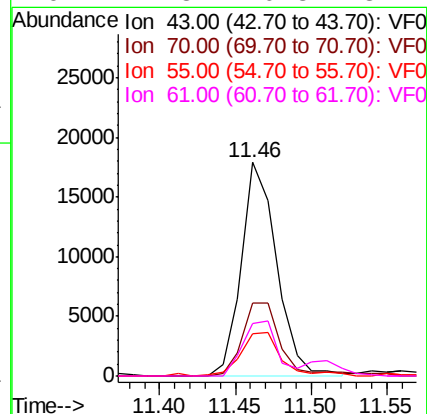
Ion Ratio Lower Upper

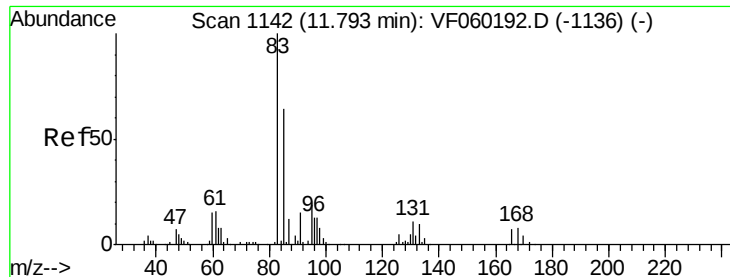
43 100

70 34.2 28.6 43.0

55 19.7 17.4 26.2

61 24.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 14.91 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

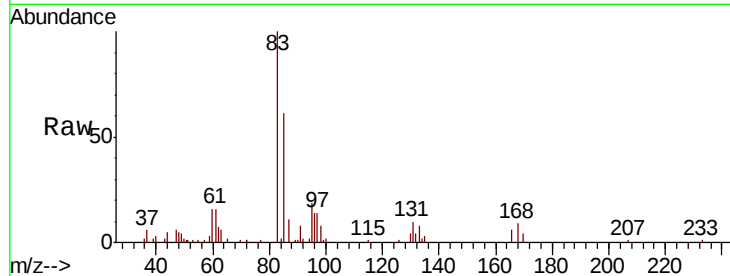
ClientSampleId :

VSTDIC010

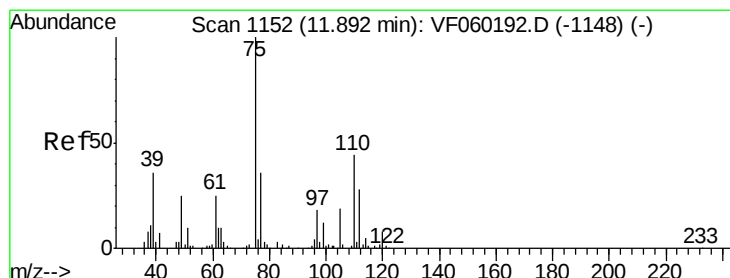
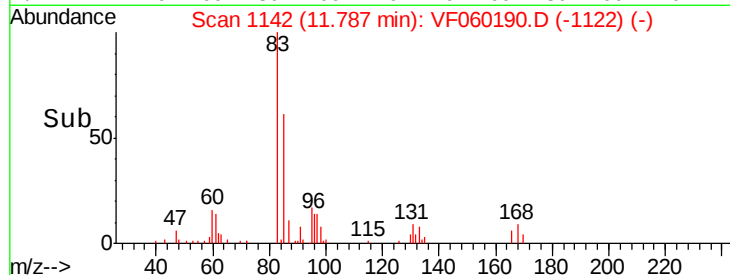
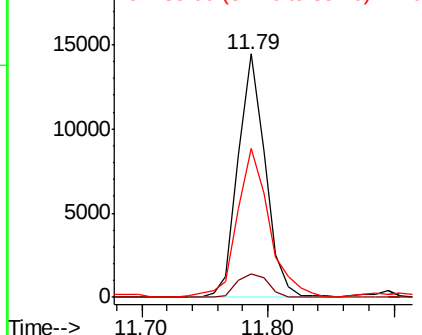
Tot Ion:	83	Resp:	21619
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.5	16.5
85	61.0	32.2	96.6

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 15.67 ug/l

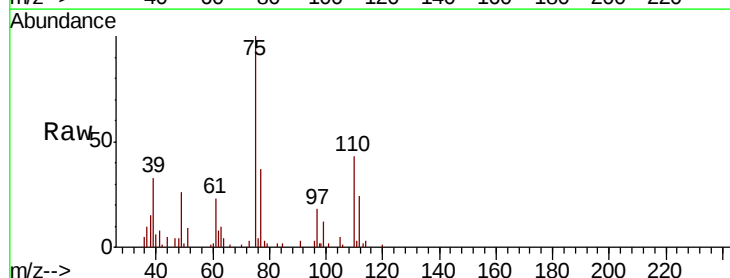
RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

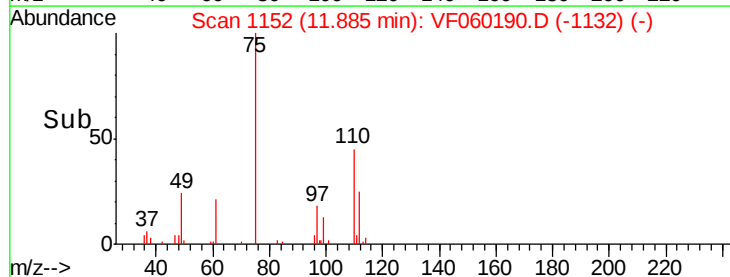
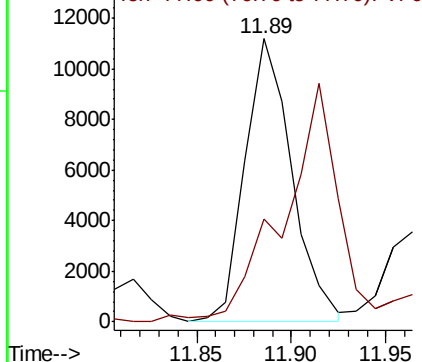
Lab File: VF060190.D

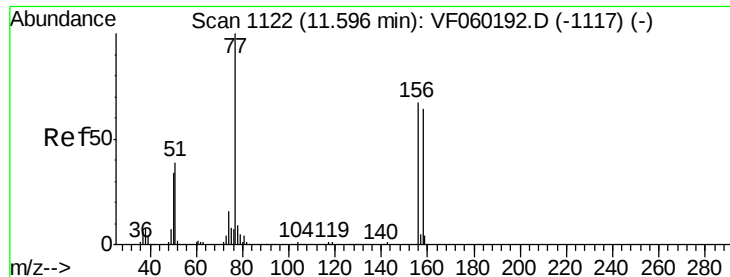
Acq: 29 Aug 2018 15:35

Tgt Ion:	75	Resp:	19234
Ion Ratio	Lower	Upper	
75	100		
77	36.5	17.9	53.8



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0





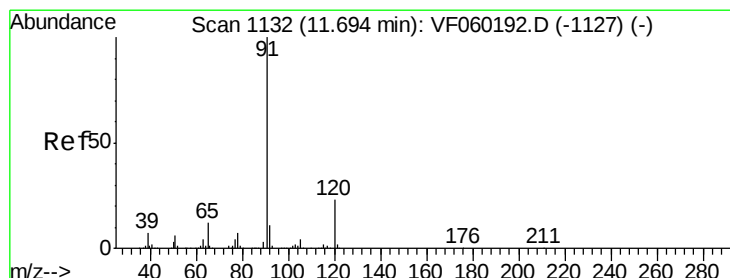
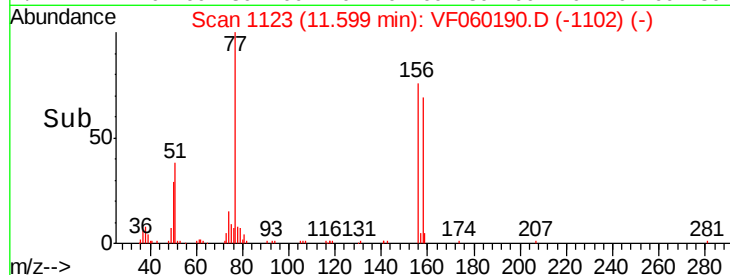
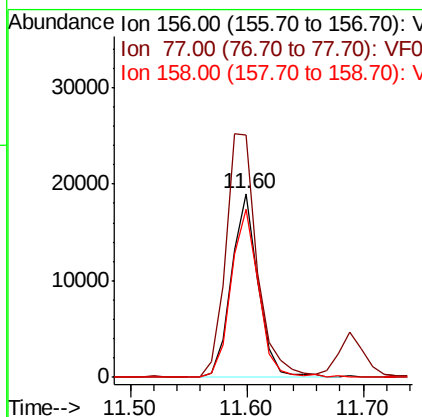
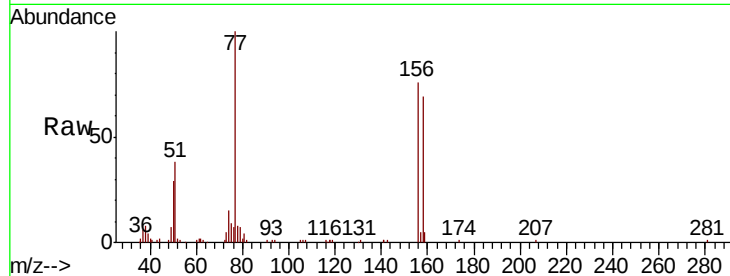
#77
Bromobenzene
Concen: 10.92 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	131.9	74.5	223.5	
158	91.3	47.3	141.8	

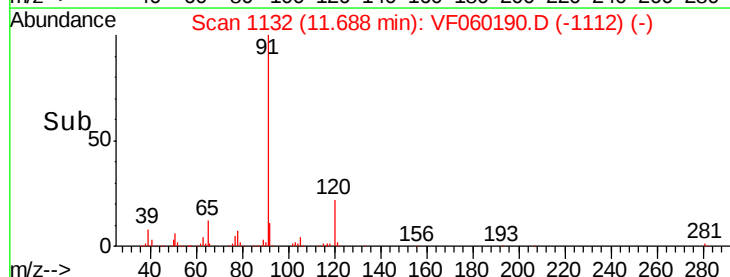
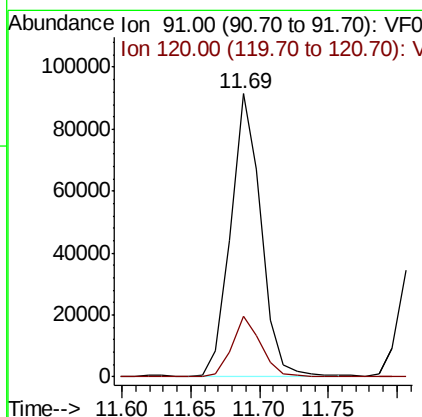
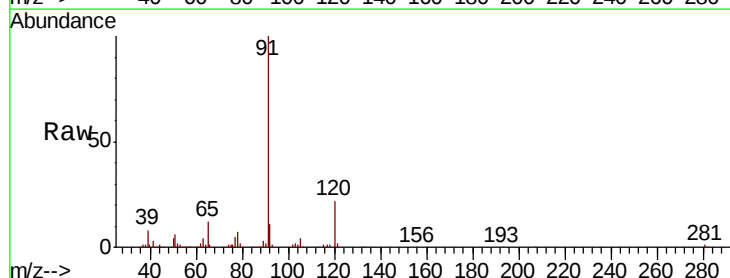
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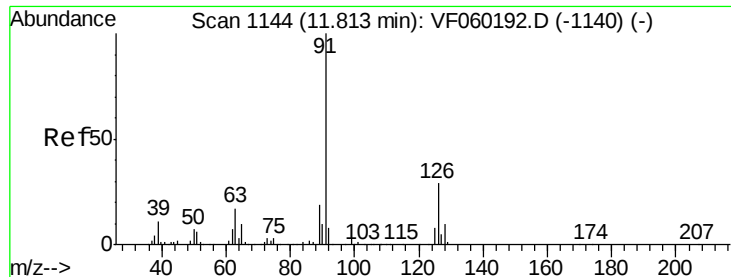
apatel
8/30/2018 3:00:58 PM



#78
n-propylbenzene
Concen: 6.75 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	11.3	33.9	





#79

2-Chlorotoluene

Concen: 7.76 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060190.D

Acq: 29 Aug 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 77841

Ion Ratio Lower Upper

91 100

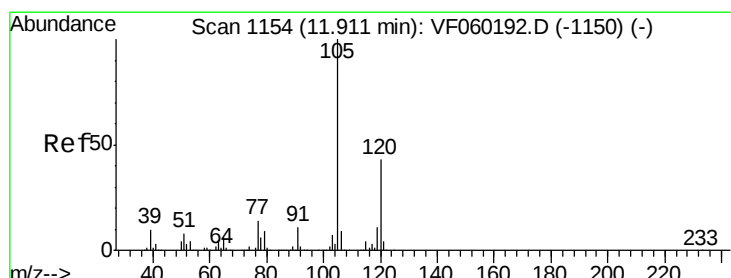
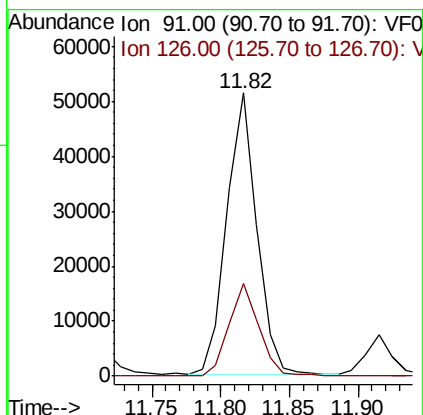
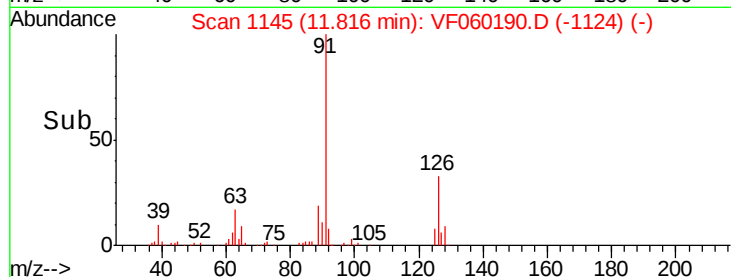
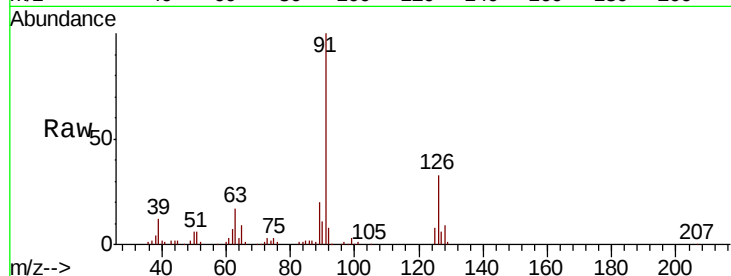
126 32.7 14.7 44.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 7.31 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF060190.D

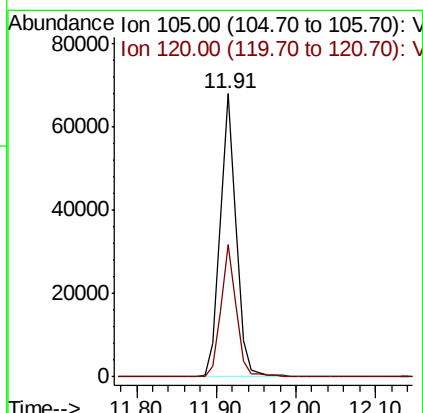
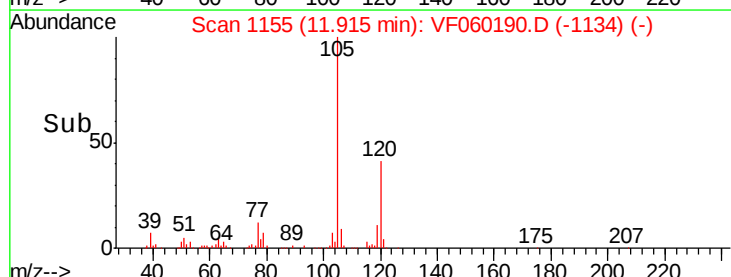
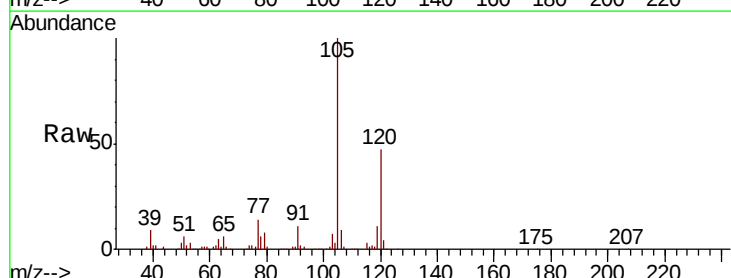
Acq: 29 Aug 2018 15:35

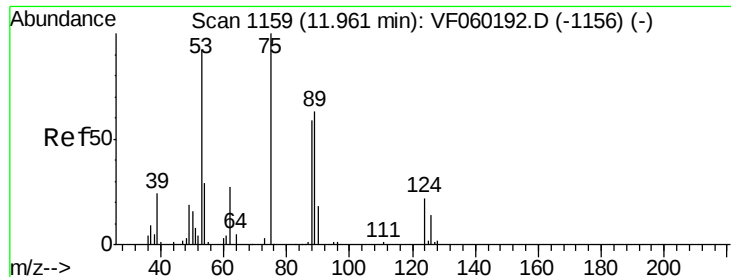
Tgt Ion: 105 Resp: 97307

Ion Ratio Lower Upper

105 100

120 47.0 21.5 64.5





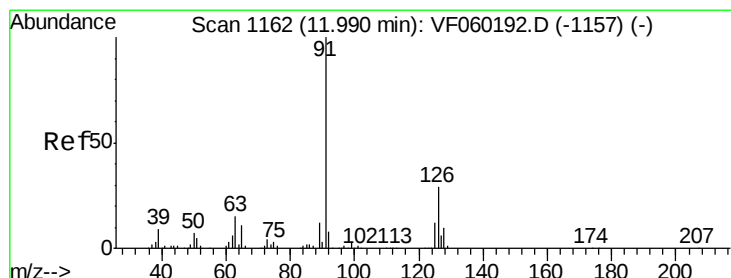
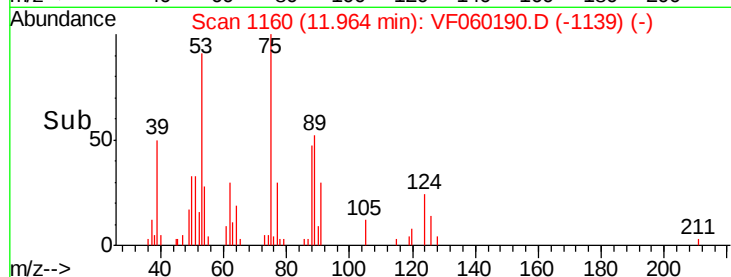
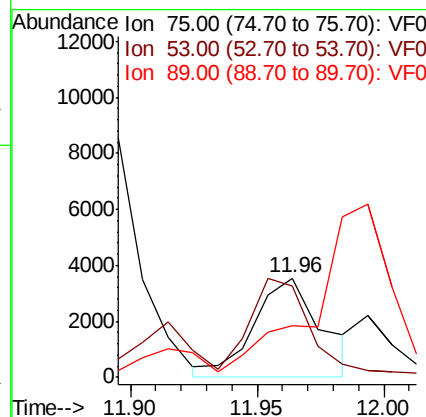
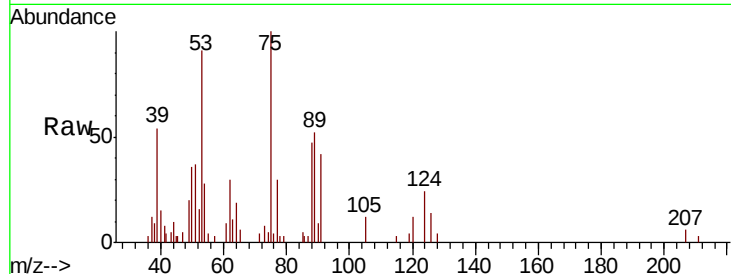
#81
trans-1,4-Dichloro-2-butene
Concen: 18.37 ug/l m
RT: 11.96 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	78.0	117.0
89	52.0	51.8	77.6

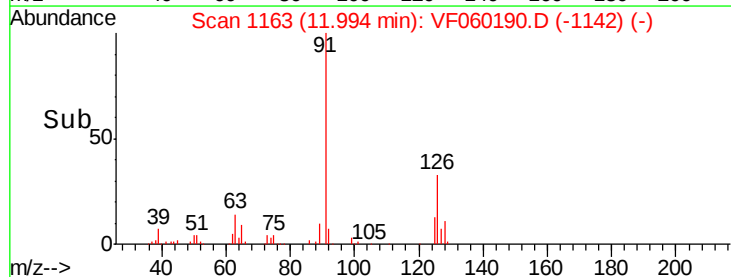
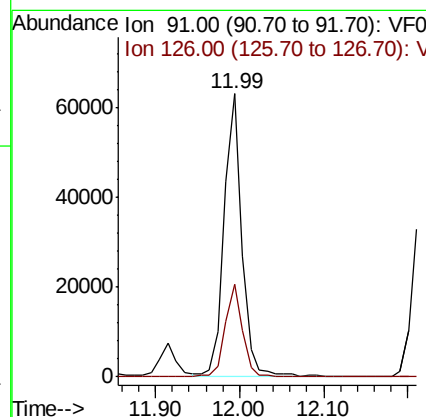
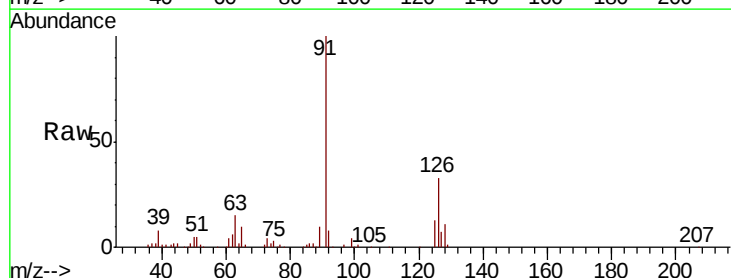
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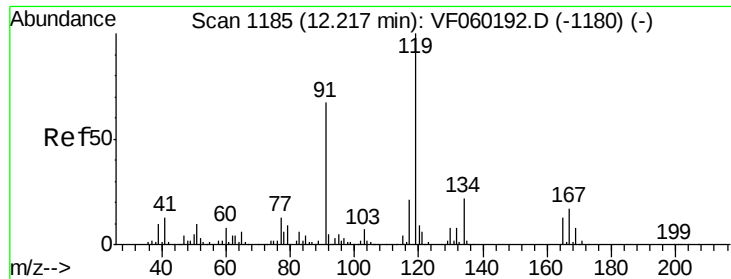
apatel
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#82
4-Chlorotoluene
Concen: 9.22 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	14.6	44.0





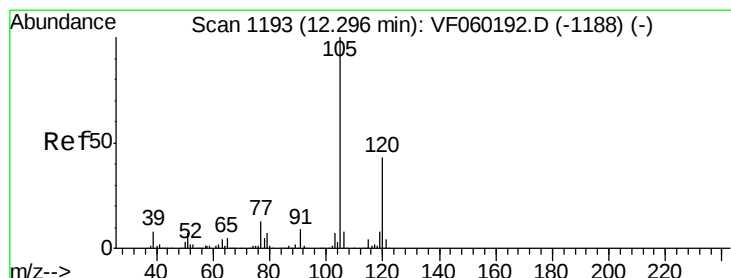
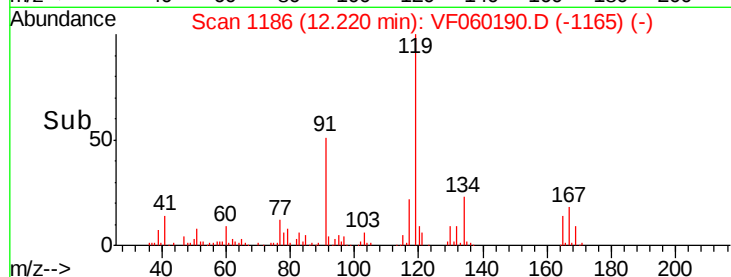
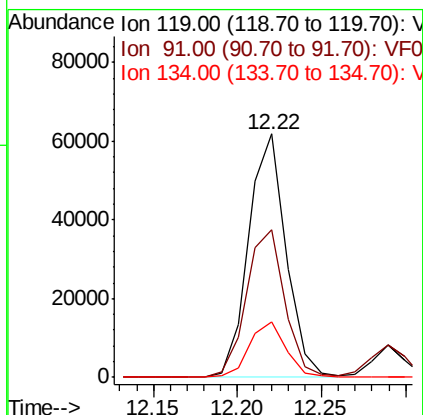
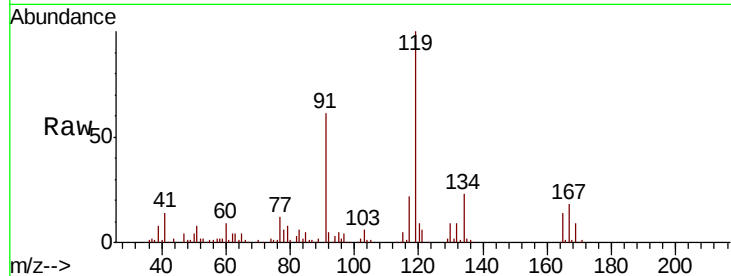
#83
tert-Butylbenzene
Concen: 6.82 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	33.8	101.4
134	22.7	11.1	33.3

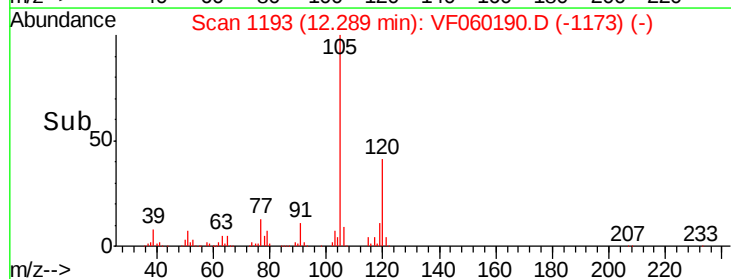
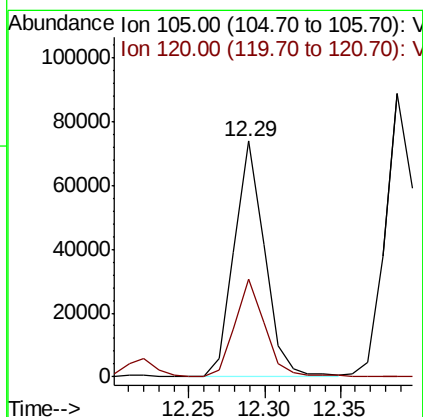
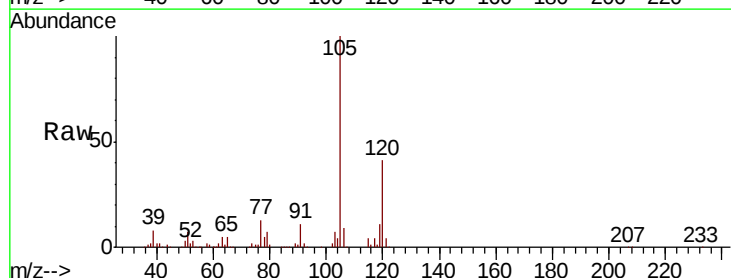
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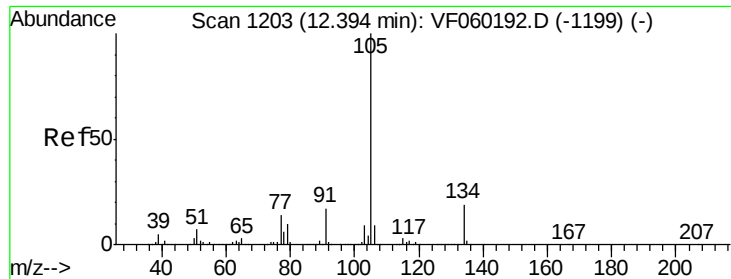
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 8.94 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.4	21.6	64.6





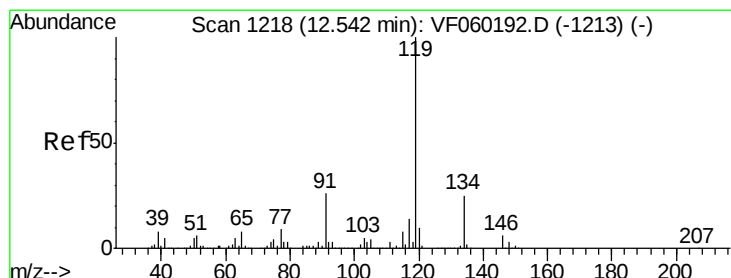
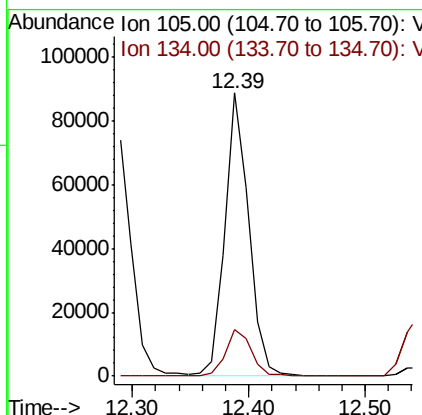
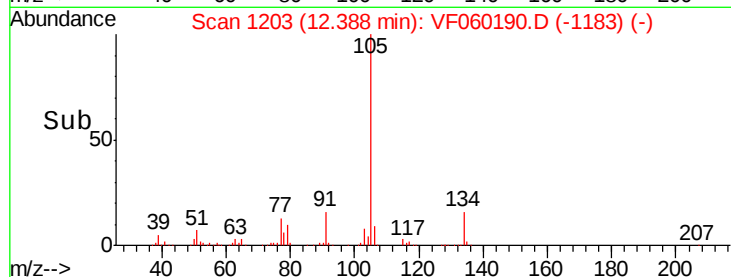
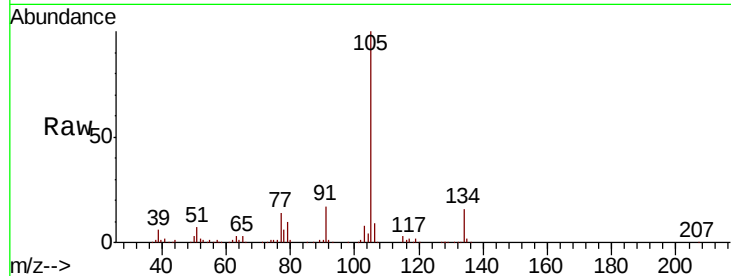
#85
 sec-Butylbenzene
 Concen: 6.18 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.3	9.4	28.3

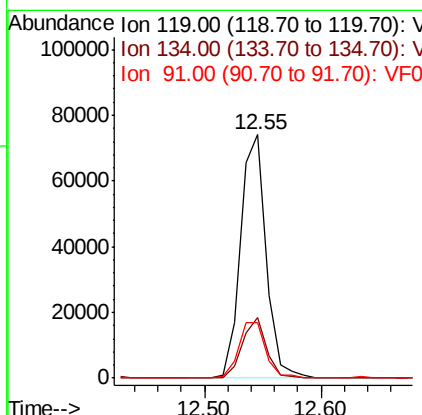
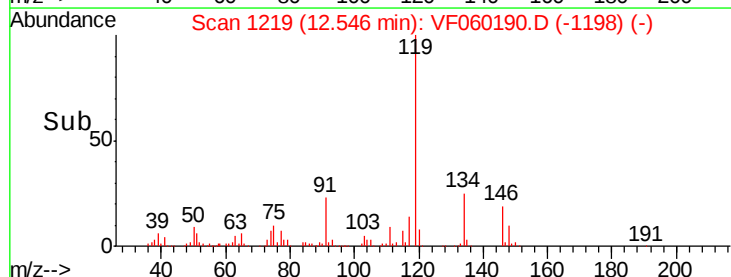
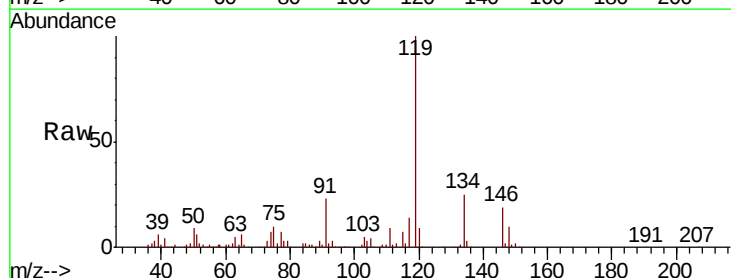
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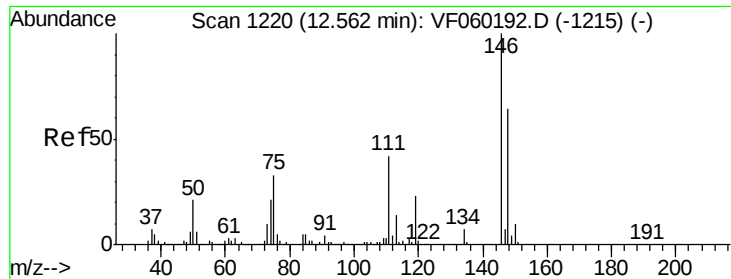
apatel
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#86
 p-Isopropyltoluene
 Concen: 7.34 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.3	36.9
91	22.8	13.3	39.8





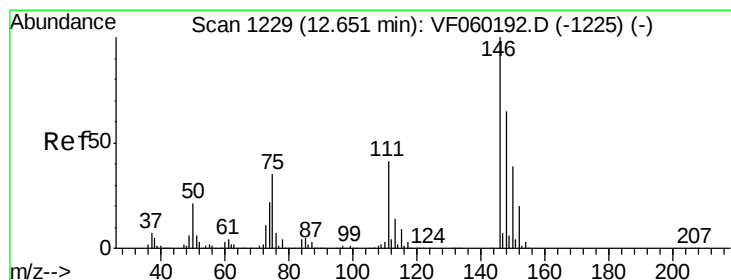
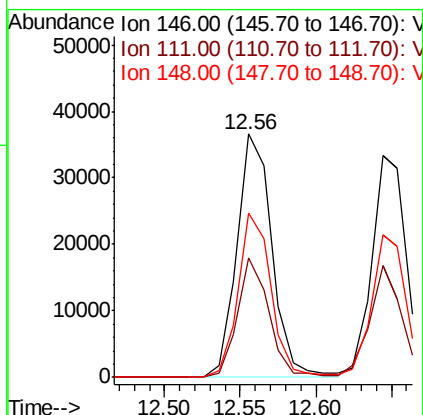
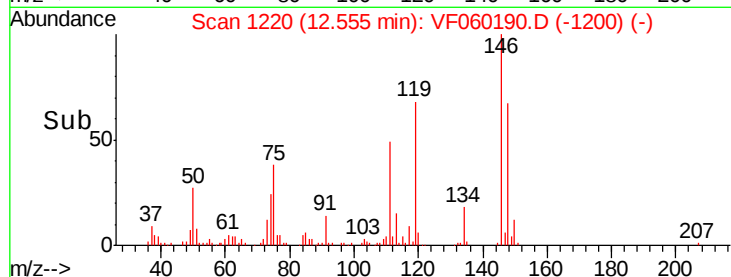
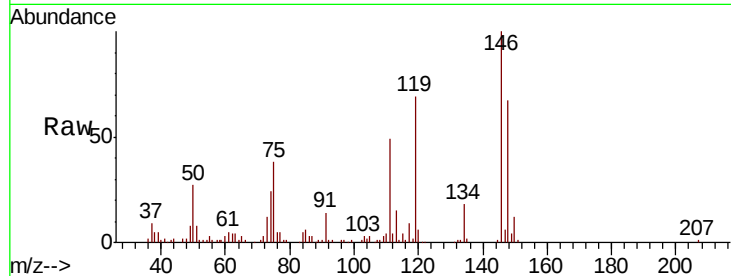
#87
 1,3-Dichlorobenzene
 Concen: 10.27 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.9	20.8	62.4
148	67.2	32.0	96.2

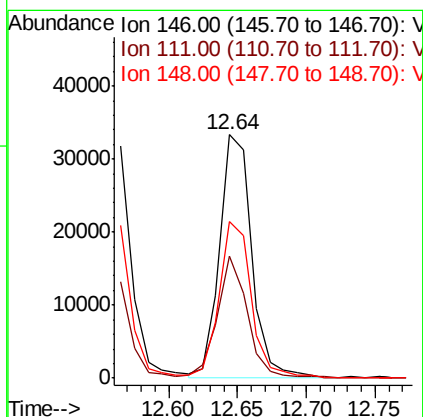
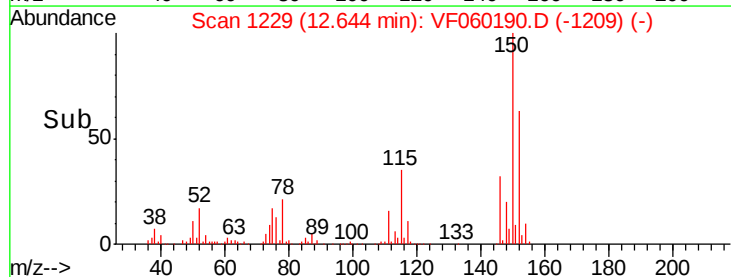
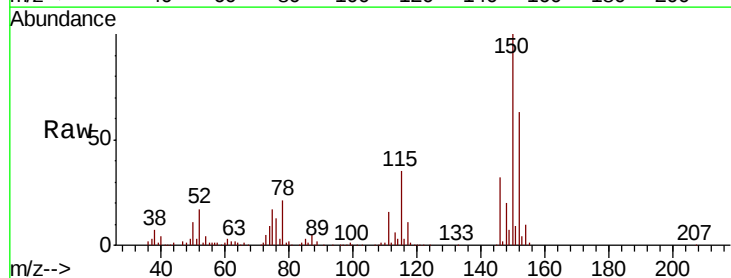
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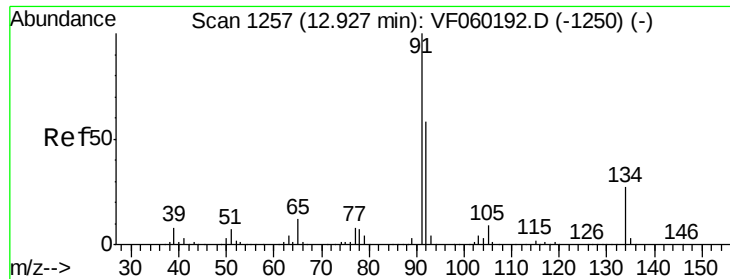
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#88
 1,4-Dichlorobenzene
 Concen: 10.12 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.3	20.5	61.5
148	64.2	32.4	97.0





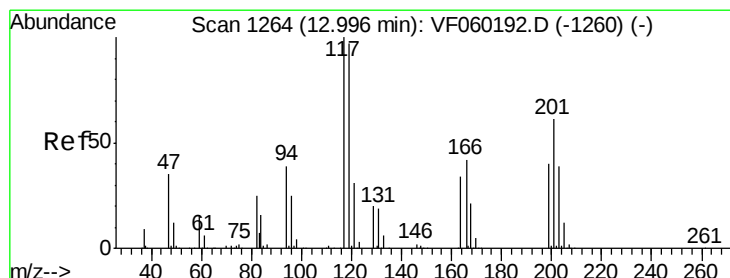
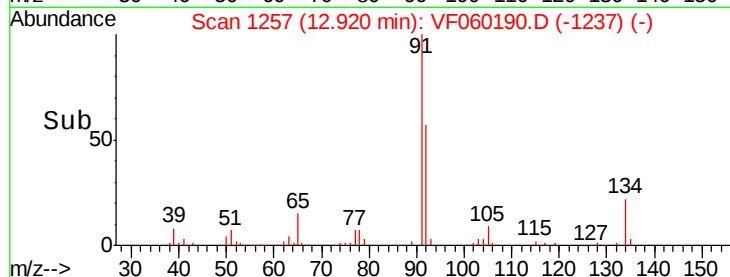
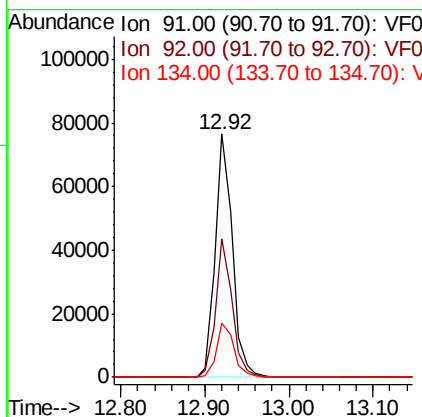
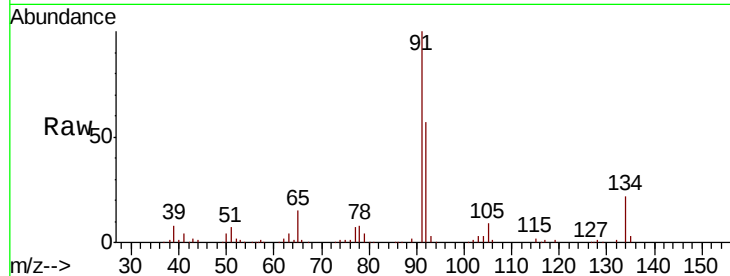
#89
n-Butylbenzene
Concen: 8.17 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	57.1	29.3	87.8	
134	22.5	13.5	40.4	

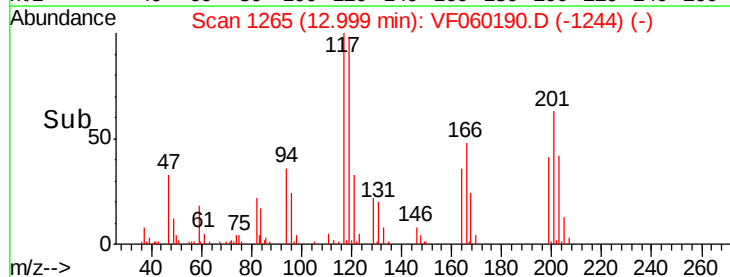
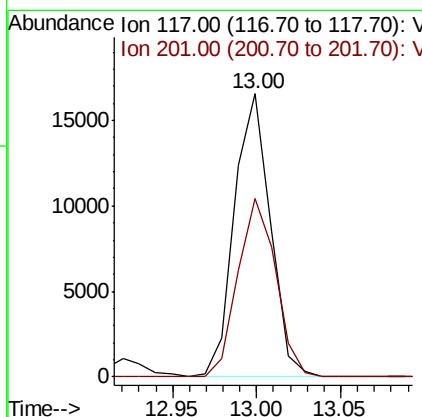
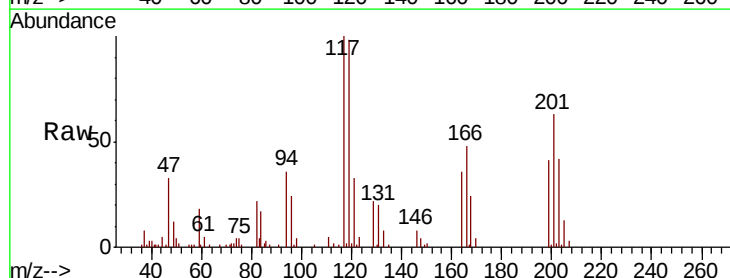
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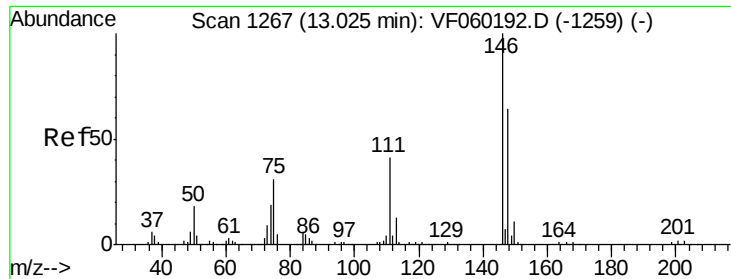
apatel
8/30/2018 3:00:58 PM



#90
Hexachloroethane
Concen: 7.40 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	62.8	31.3	93.9	





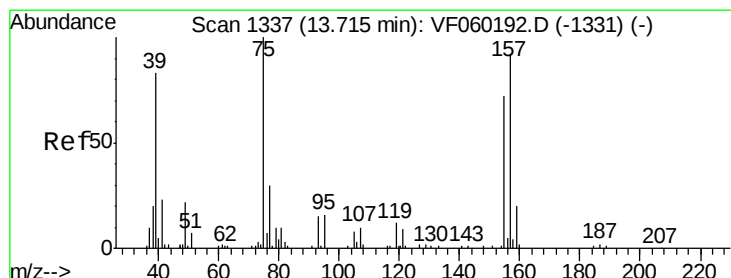
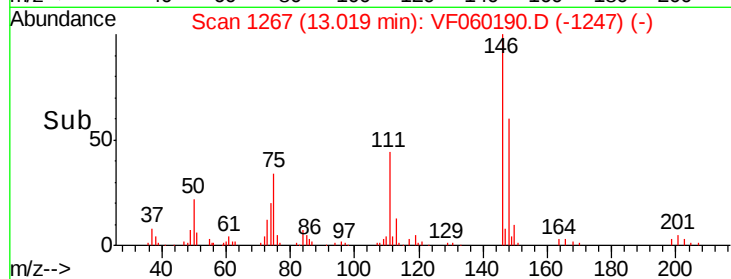
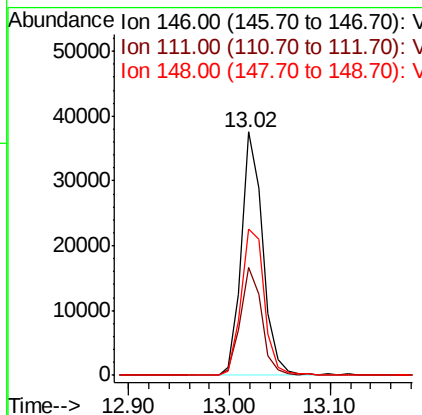
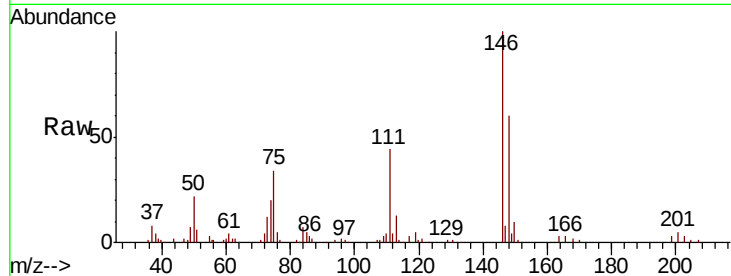
#91
 1,2-Dichlorobenzene
 Concen: 12.02 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.7	62.1
148	60.3	31.9	95.7

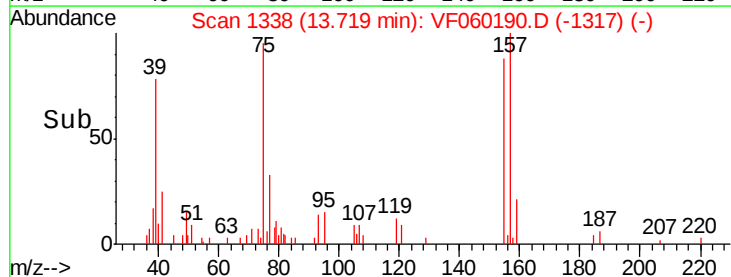
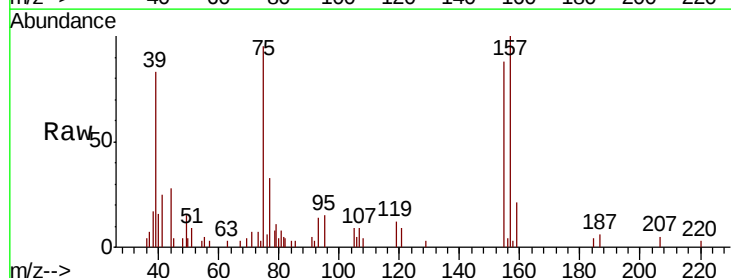
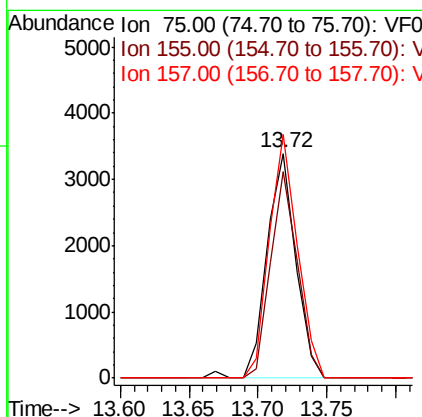
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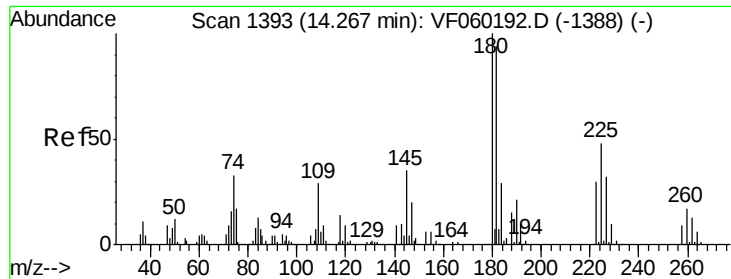
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.56 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	35.9	107.7
157	108.5	46.1	138.3





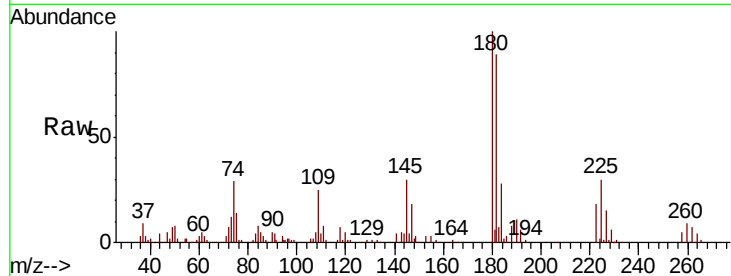
#93
 1,2,4-Trichlorobenzene
 Concen: 17.79 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	41337		
182	89.3	47.1	141.4	
145	29.8	17.3	51.7	

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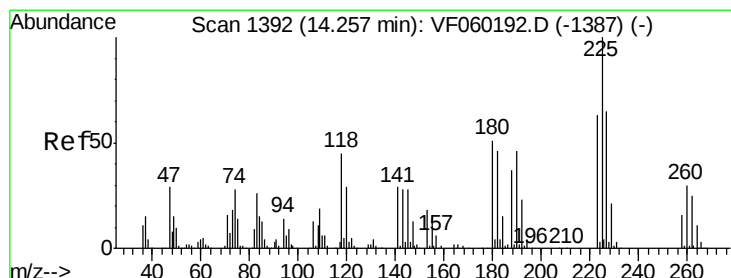
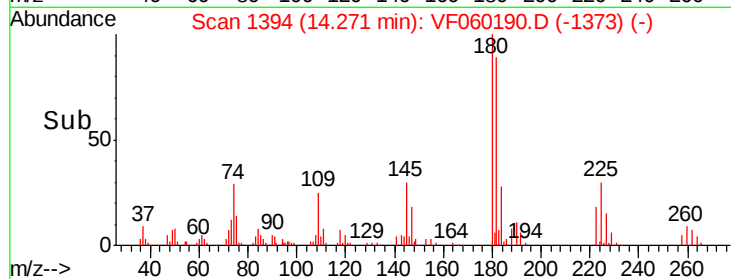
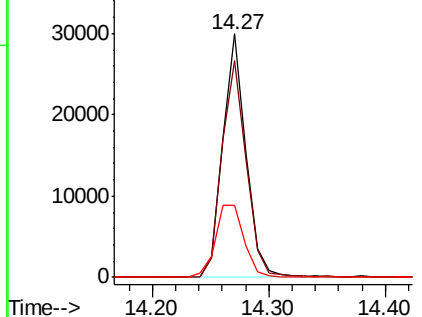


Abundance

Ion 180.00 (179.70 to 180.70): V

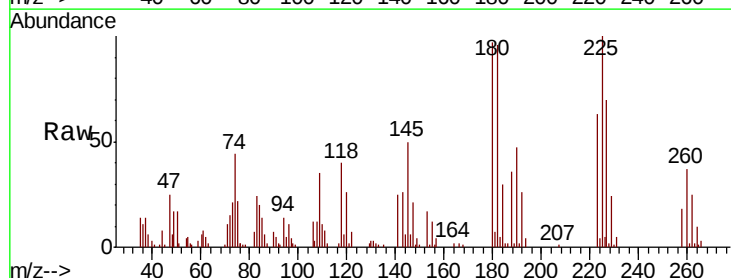
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 6.97 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060190.D
 Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25983		
223	62.5	31.6	95.0	
227	69.5	32.3	96.9	

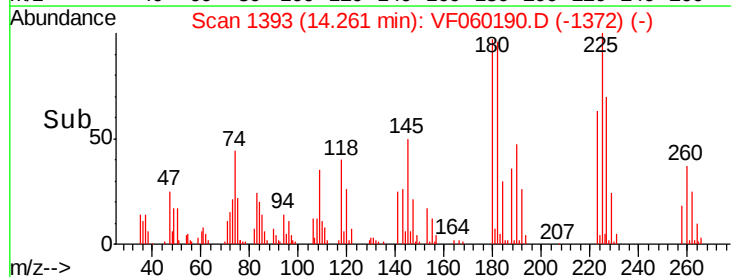
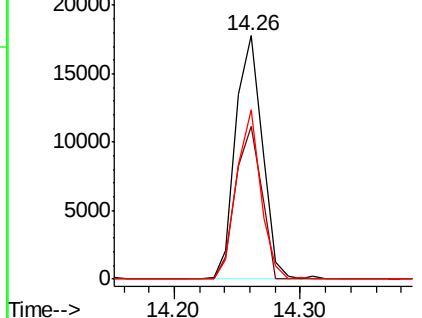


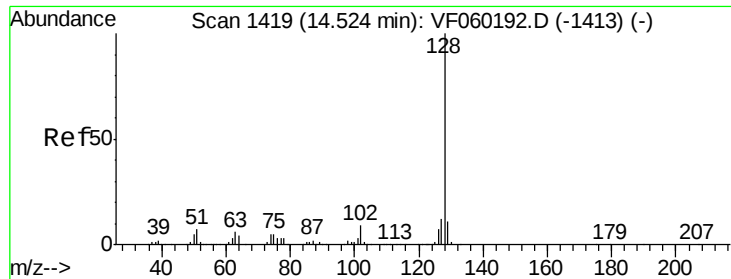
Abundance

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





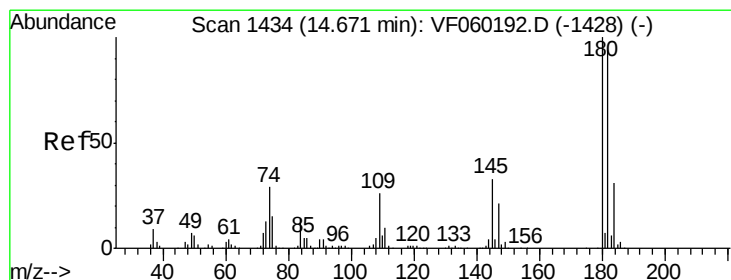
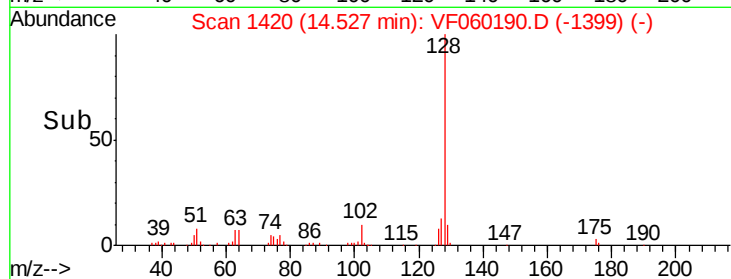
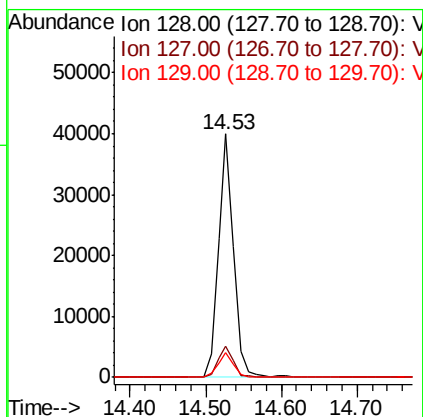
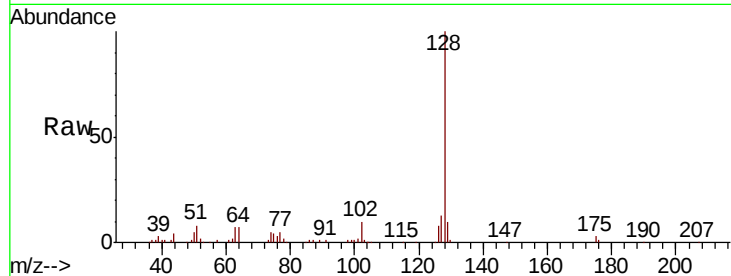
#95
Naphthalene
Concen: 23.47 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.8
129	10.2	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 18.86 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF060190.D
Acq: 29 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.5	46.9	140.6
145	32.3	16.4	49.4

