

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060192.D
 Acq On : 29 Aug 2018 16:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 8/30/2018 3:09:08 PM

Quant Time: Aug 30 04:01:55 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	5.05	168	157495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	235101	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	253819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	162315	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	147533	112.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.10%	
35) Dibromofluoromethane	4.30	113	115233	70.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.74%	
50) Toluene-d8	7.71	98	281192	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	11.52	95	163712	76.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	141105	44.66	ug/l	100
3) Chloromethane	1.08	50	81069	62.90	ug/l	100
4) Vinyl Chloride	1.13	62	61124	50.18	ug/l	100
5) Bromomethane	1.31	94	54384	78.53	ug/l	100
6) Chloroethane	1.39	64	35304	49.06	ug/l	100
7) Trichlorofluoromethane	1.48	101	184506	35.22	ug/l	100
8) Diethyl Ether	1.71	74	25102	97.93	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.87	101	83423	36.18	ug/l	100
10) Methyl Iodide	1.93	142	74639	60.60	ug/l	100
11) Tert butyl alcohol	2.68	59	35424	986.13	ug/l	100
12) 1,1-Dichloroethene	1.83	96	57024	39.15	ug/l	100
13) Acrolein	2.09	56	20399	659.32	ug/l	100
14) Allyl chloride	2.19	41	80517	60.84	ug/l	100
15) Acrylonitrile	3.08	53	50782	687.97	ug/l	100
16) Acetone	2.34	43	156930	732.46	ug/l	100
17) Carbon Disulfide	1.85	76	174746	40.81	ug/l	100
18) Methyl Acetate	2.46	43	48333	112.42	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	184144	118.06	ug/l	100
20) Methylene Chloride	2.28	84	56612	59.68	ug/l	100
21) trans-1,2-Dichloroethene	2.42	96	57489	45.72	ug/l	100
22) Diisopropyl ether	2.93	45	195918	81.63	ug/l	100
23) Vinyl Acetate	3.34	43	626534	739.37	ug/l	100
24) 1,1-Dichloroethane	3.00	63	133904	59.39	ug/l	100
25) 2-Butanone	4.52	43	201867	875.89	ug/l	100
26) 2,2-Dichloropropane	3.77	77	162214	89.35	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	80621	79.32	ug/l	100
28) Bromochloromethane	3.90	49	50540	89.83	ug/l	100
29) Tetrahydrofuran	4.25	42	76376	814.74	ug/l	100
30) Chloroform	4.04	83	214530	78.07	ug/l	100
31) Cyclohexane	3.87	56	96226	47.52	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	197908	55.92	ug/l	100
36) 1,1-Dichloropropene	4.46	75	128470	40.81	ug/l	100
37) Ethyl Acetate	4.29	43	82359	136.87	ug/l	100
38) Carbon Tetrachloride	4.17	117	174644	40.91	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	110723	37.65	ug/l	100
40) Benzene	4.81	78	249237	54.89	ug/l	100
41) Methacrylonitrile	4.92	41	35133	113.56	ug/l	100
42) 1,2-Dichloroethane	5.12	62	174467	90.53	ug/l	100
43) Isopropyl Acetate	7.12	43	91254	124.06	ug/l	100
44) Trichloroethene	5.68	130	88666	47.28	ug/l	100
45) 1,2-Dichloropropane	6.40	63	75512	73.06	ug/l	100
46) Dibromomethane	6.25	93	67434	105.60	ug/l	100
47) Bromodichloromethane	6.55	83	165722	78.97	ug/l	100
48) Methyl methacrylate	6.87	41	67793	116.04	ug/l	100
49) 1,4-Dioxane	6.87	88	11857	2925.51	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	435069	655.26	ug/l	100
52) Toluene	7.78	92	179955	52.35	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	150520	108.94	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	155669	92.95	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	74813	100.23	ug/l	100
56) Ethyl methacrylate	8.77	69	93751	127.55	ug/l	100
57) 1,3-Dichloropropane	9.00	76	133555	102.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	39601	277.21	ug/l	100
59) 2-Hexanone	9.63	43	356822	714.56	ug/l	100
60) Dibromochloromethane	8.87	129	122264	100.61	ug/l	100
61) 1,2-Dibromoethane	9.14	107	94183	114.90	ug/l	100
64) Tetrachloroethene	8.31	164	95593	32.79	ug/l	100
65) Chlorobenzene	9.95	112	255893	50.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	108810	61.21	ug/l	100
67) Ethyl Benzene	10.05	91	455887	41.19	ug/l	100
68) m/p-Xylenes	10.28	106	316993	85.72	ug/l	100
69) o-Xylene	10.84	106	174512	51.45	ug/l	100
70) Styrene	10.91	104	267214	61.16	ug/l	100
71) Bromoform	10.90	173	78168	103.93	ug/l	100
73) Isopropylbenzene	11.23	105	524619	32.00	ug/l	100
74) N-amyl acetate	11.47	43	167126	98.76	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	110852	80.39	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	94506	80.92	ug/l	100
77) Bromobenzene	11.60	156	140715	53.56	ug/l	100
78) n-propylbenzene	11.69	91	632201	31.96	ug/l	100
79) 2-Chlorotoluene	11.81	91	390010	40.85	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	454379	35.89	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	38345m	111.41	ug/l	
82) 4-Chlorotoluene	11.99	91	420208	44.15	ug/l	100
83) tert-Butylbenzene	12.22	119	454031	34.18	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	476119	43.15	ug/l	100
85) sec-Butylbenzene	12.39	105	588843	30.32	ug/l	100
86) p-Isopropyltoluene	12.54	119	514929	35.31	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	252848	46.32	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	257194	51.10	ug/l	100
89) n-Butylbenzene	12.93	91	523412	41.27	ug/l	100
90) Hexachloroethane	13.00	117	113541	36.04	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	250299	56.86	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	29349	109.47	ug/l	100

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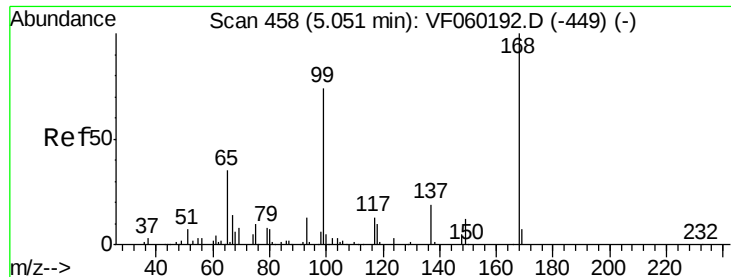
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	195060	88.24	ug/l	100
94) Hexachlorobutadiene	14.26	225	124331	35.04	ug/l	100
95) Naphthalene	14.52	128	330947	144.69	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	188981	99.41	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 157495

Ion Ratio Lower Upper

168 100

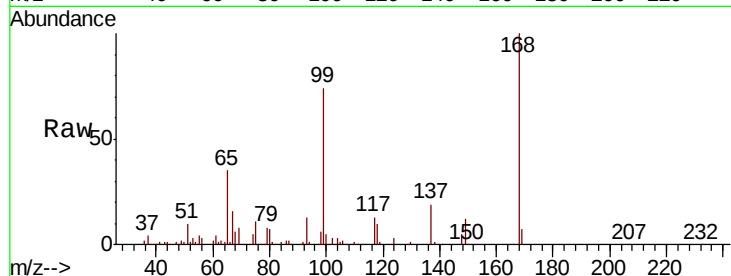
99 74.2 59.4 89.0

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

5.05

60000

50000

40000

30000

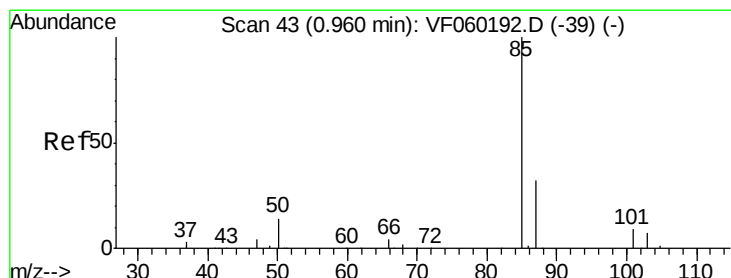
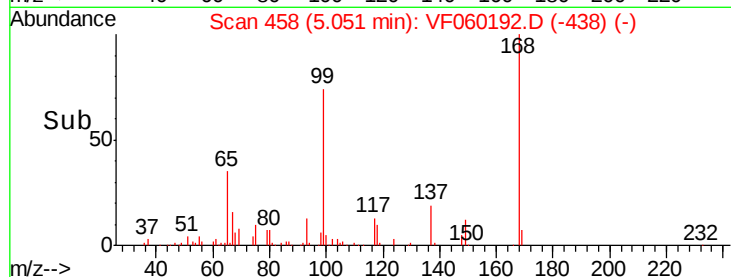
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.66 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060192.D

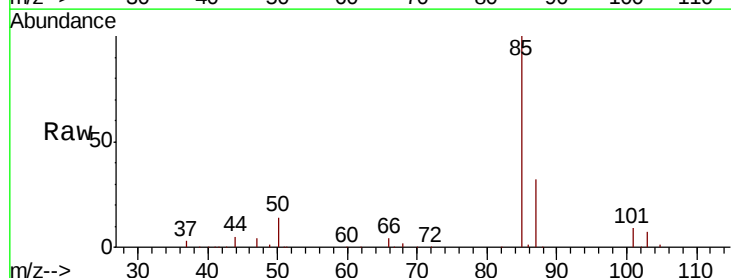
Acq: 29 Aug 2018 16:30

Tgt Ion: 85 Resp: 141105

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

120000

100000

80000

60000

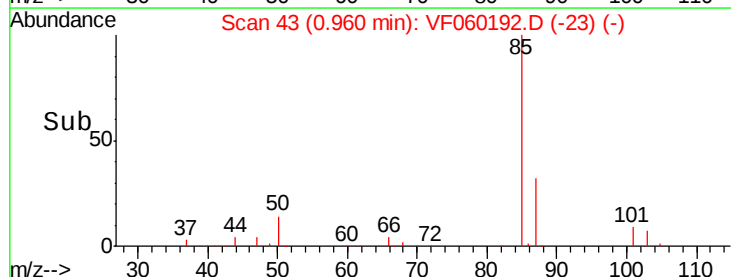
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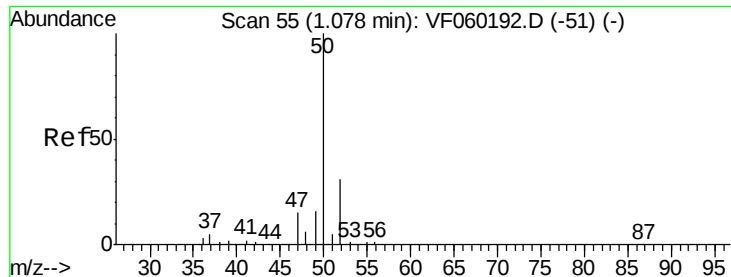
20000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 62.90 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 81069

Ion Ratio Lower Upper

50 100

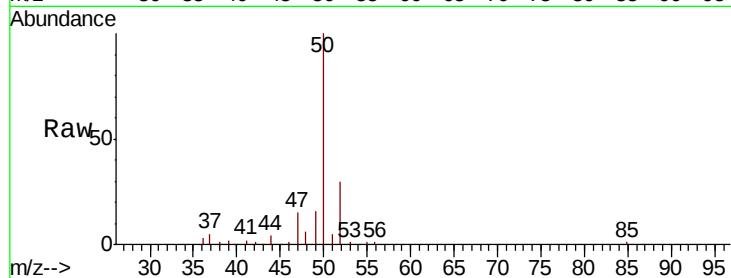
52 30.4 24.3 36.5

Manual Integrations

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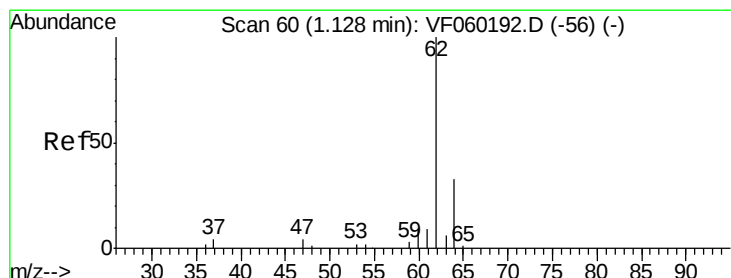
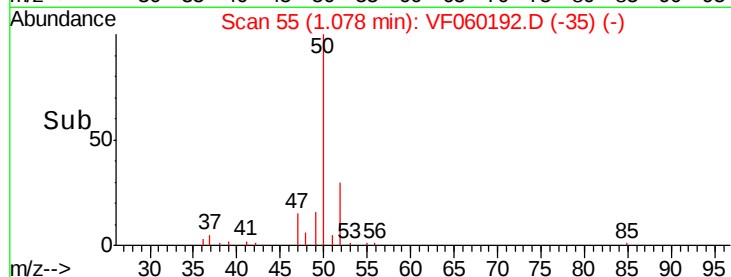
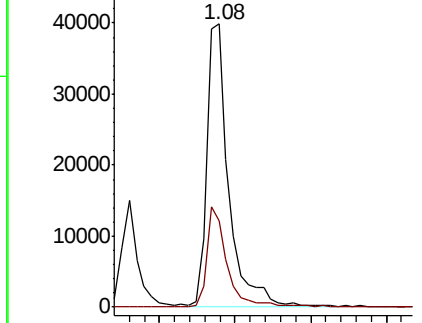
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 50.18 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060192.D

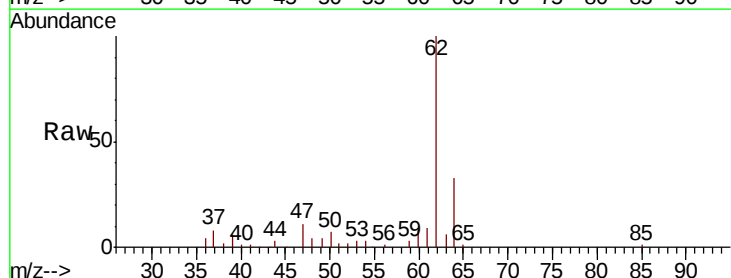
Acq: 29 Aug 2018 16:30

Tgt Ion: 62 Resp: 61124

Ion Ratio Lower Upper

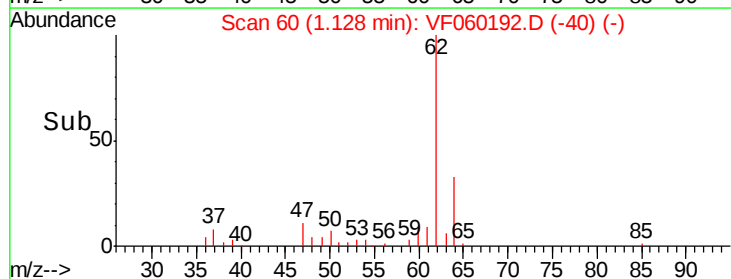
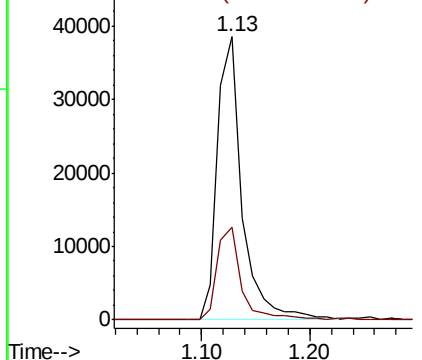
62 100

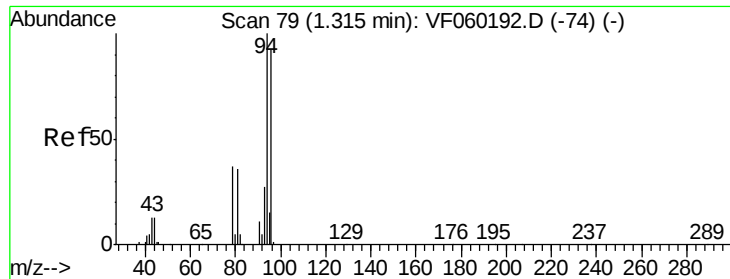
64 32.6 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 78.53 ug/l

RT: 1.31 min Scan# 79

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 54384

Ion Ratio Lower Upper

94 100

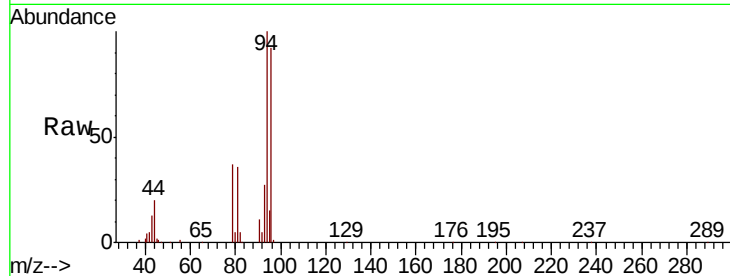
96 92.0 73.6 110.4

Manual Integrations

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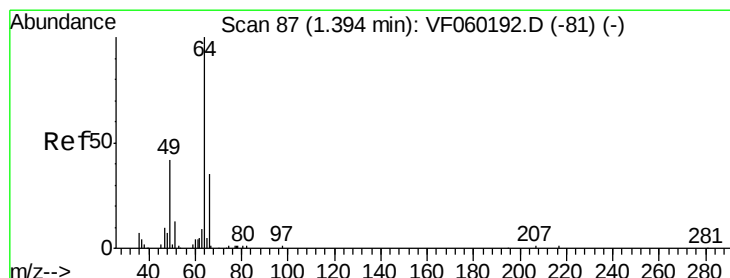
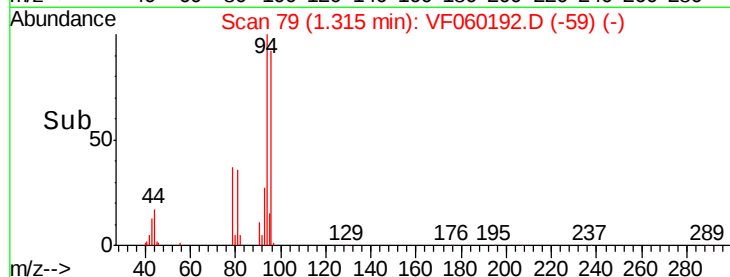
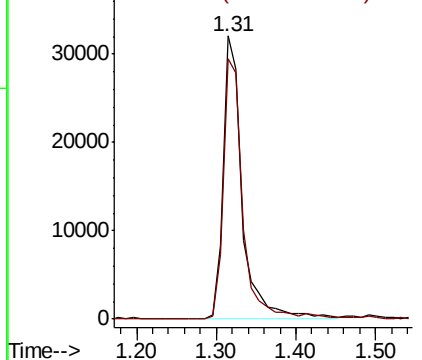
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 49.06 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060192.D

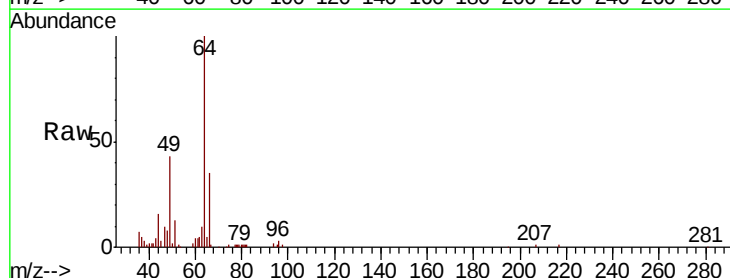
Acq: 29 Aug 2018 16:30

Tgt Ion: 64 Resp: 35304

Ion Ratio Lower Upper

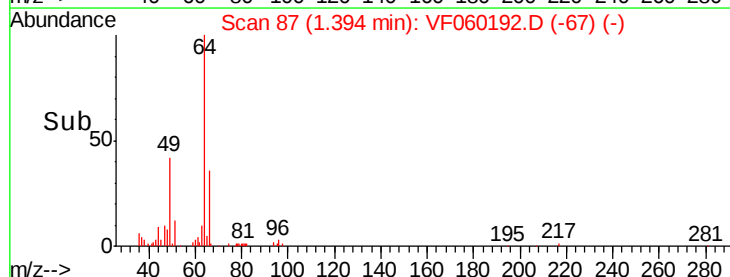
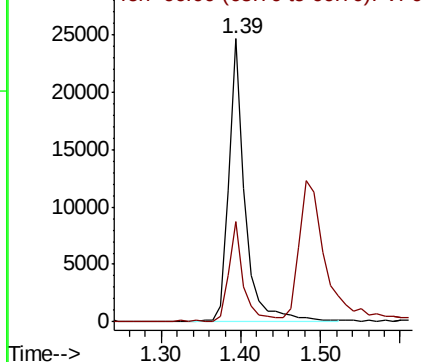
64 100

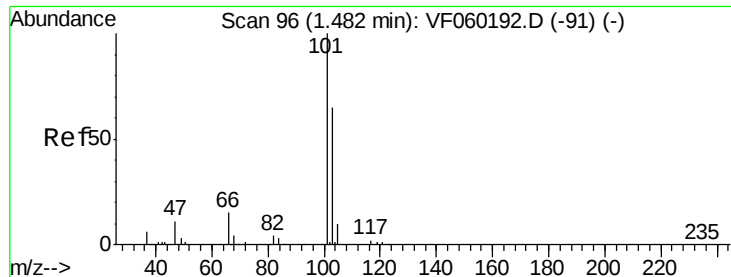
66 35.3 28.2 42.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

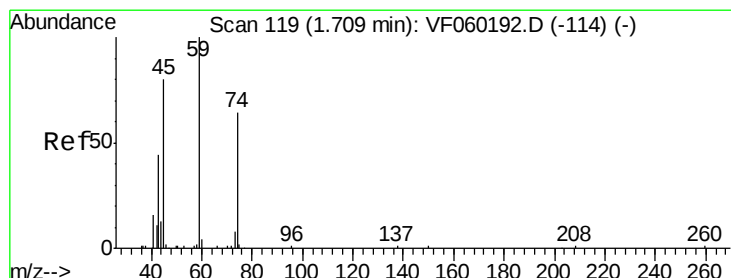
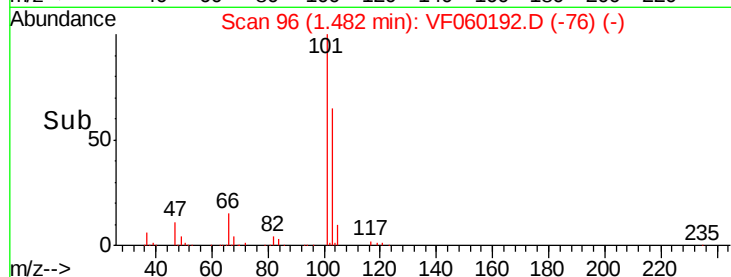
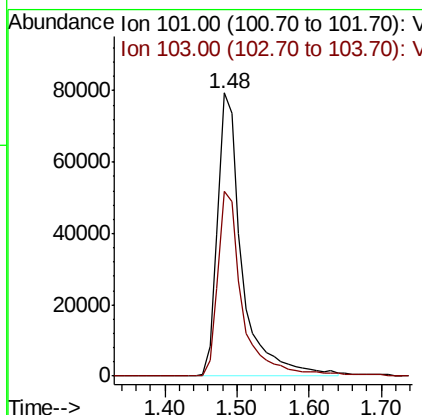
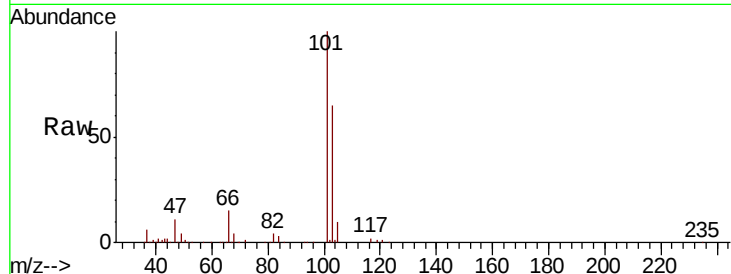
Trichlorofluoromethane
 Concen: 35.22 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

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 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	184506		
103	65.5	52.4	78.6	

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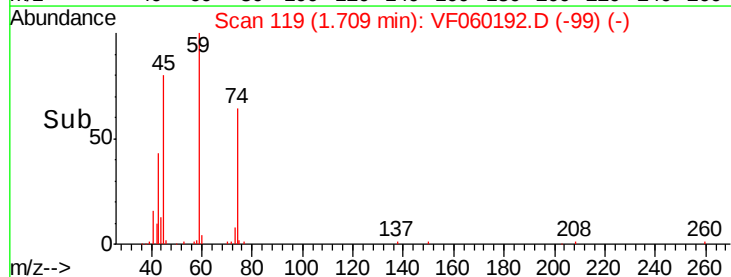
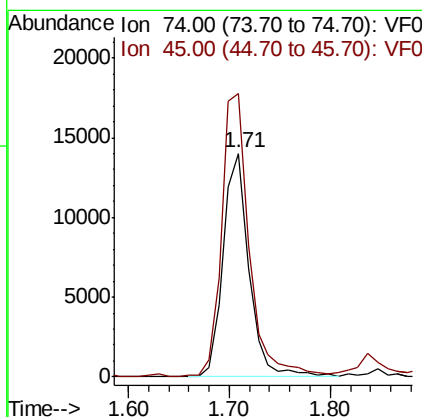
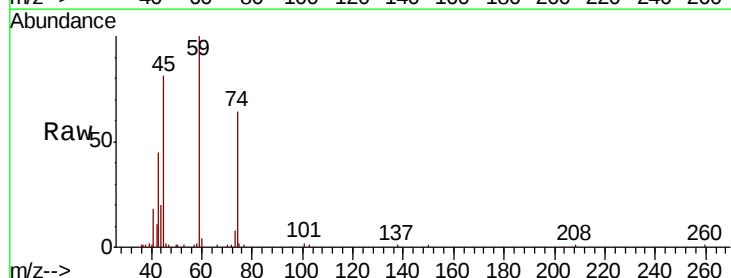
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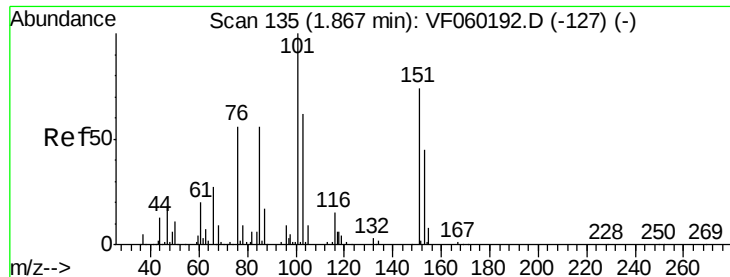


#8

Diethyl Ether
 Concen: 97.93 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	25102		
45	126.7	63.3	190.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.18 ug/l

RT: 1.87 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

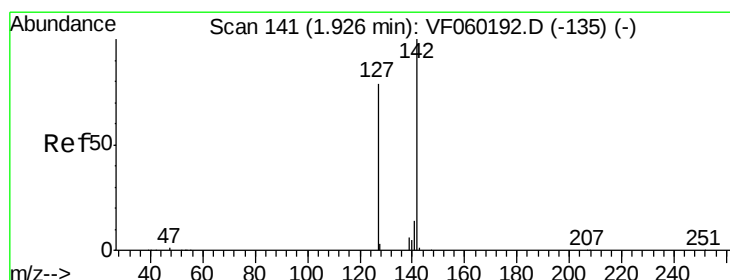
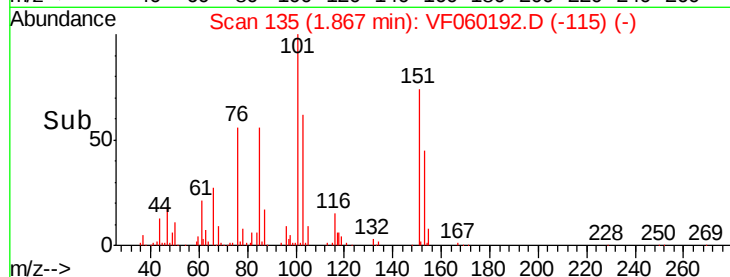
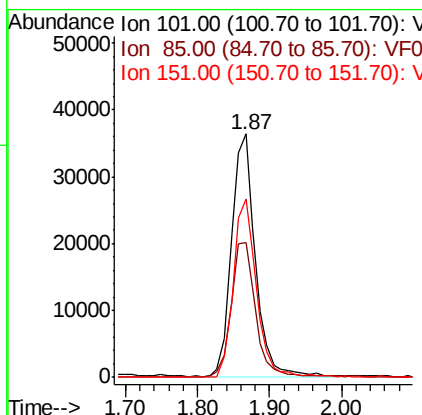
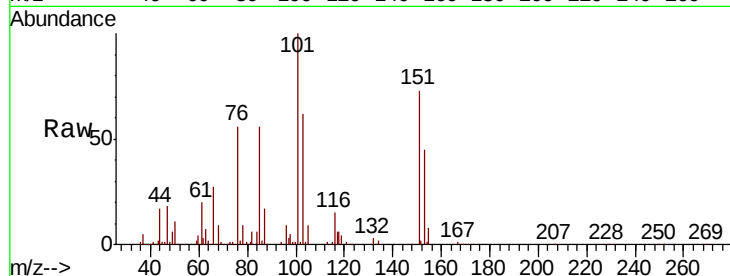
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	83423
Ion Ratio	Lower	Upper	
101	100		
85	55.6	44.5	66.7
151	73.5	58.8	88.2

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#10

Methyl Iodide

Concen: 60.60 ug/l

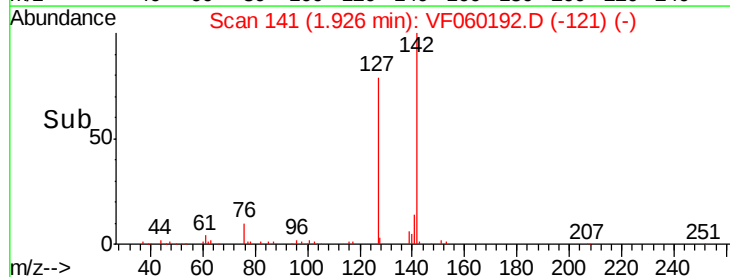
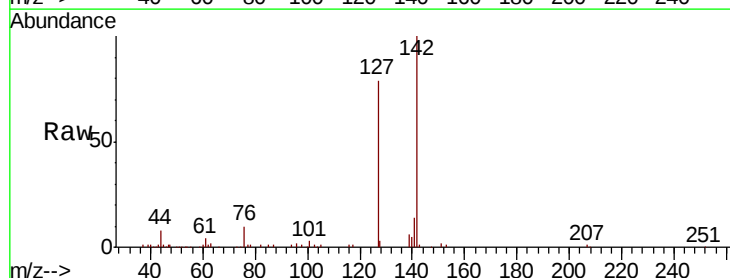
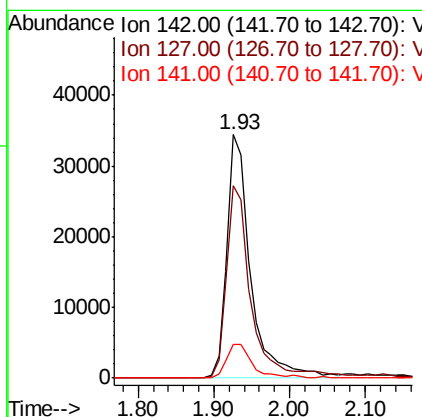
RT: 1.93 min Scan# 141

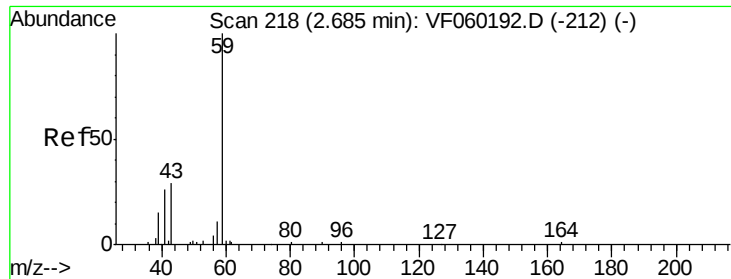
Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion:	142	Resp:	74639
Ion Ratio	Lower	Upper	
142	100		
127	78.3	62.6	94.0
141	13.6	10.9	16.3





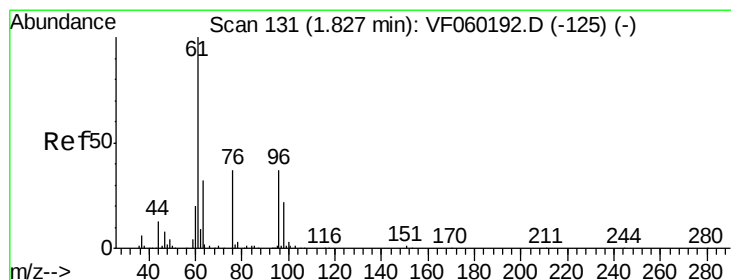
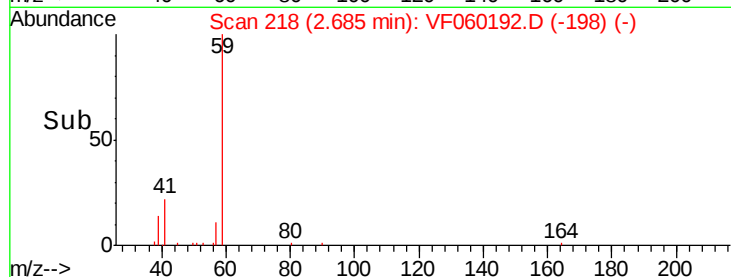
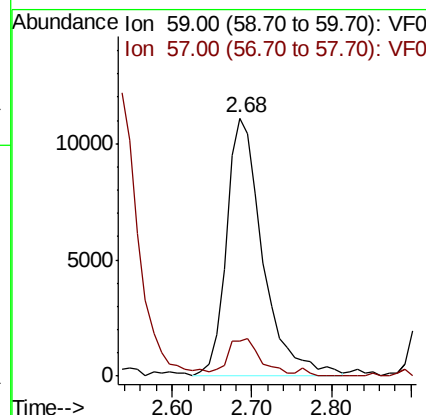
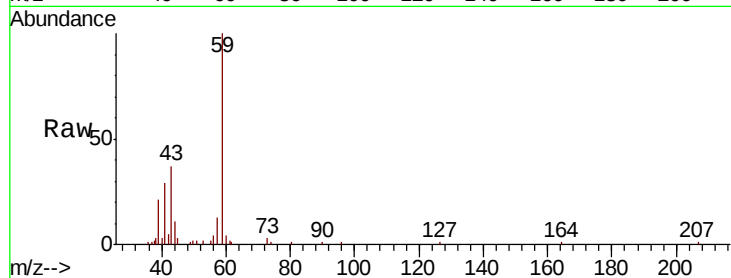
#11
Tert butyl alcohol
Concen: 986.13 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.4	10.7	16.1

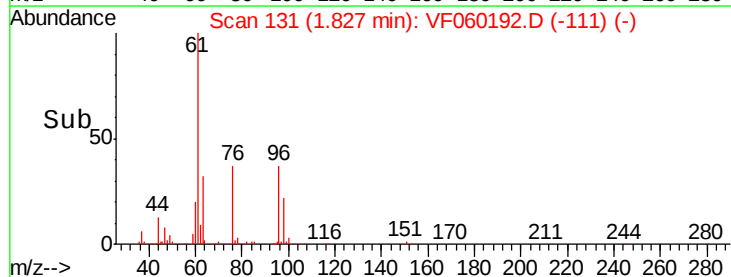
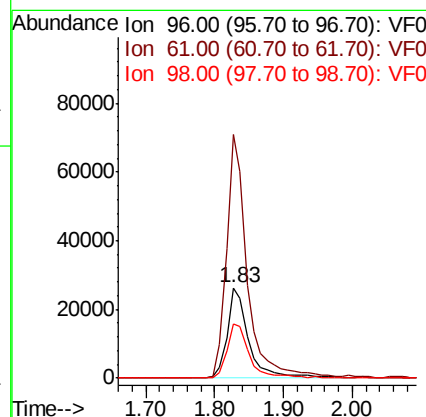
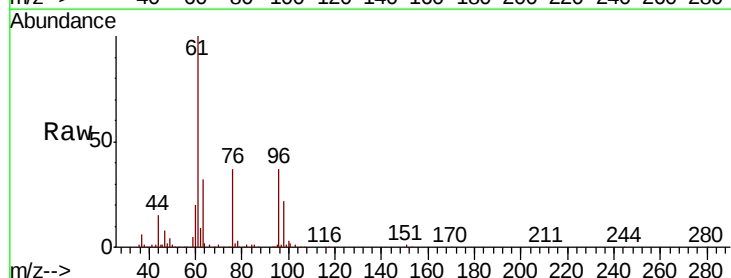
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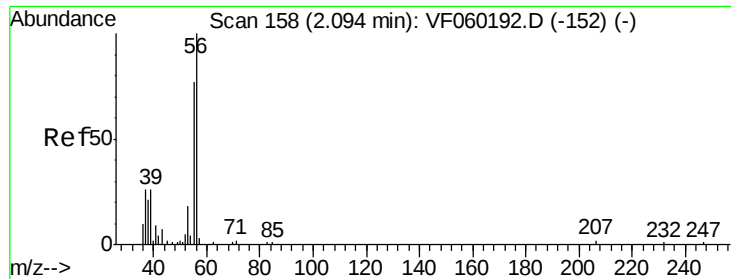
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#12
1,1-Dichloroethene
Concen: 39.15 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	269.0	215.2	322.8
98	59.5	47.6	71.4





#13

Acrolein

Concen: 659.32 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 20399

Ion Ratio Lower Upper

56 100

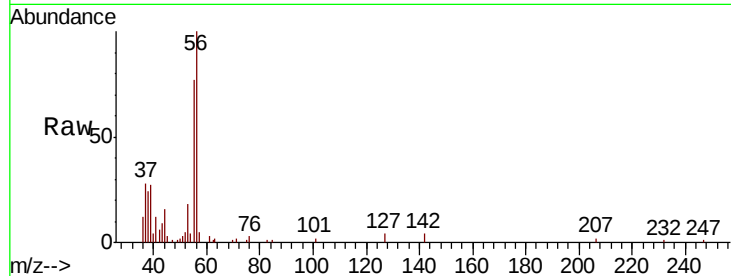
55 76.7 61.4 92.0

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

10000

8000

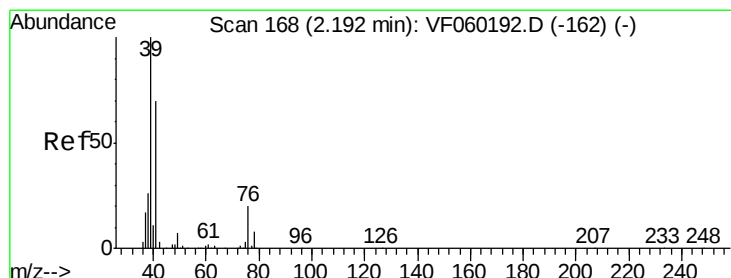
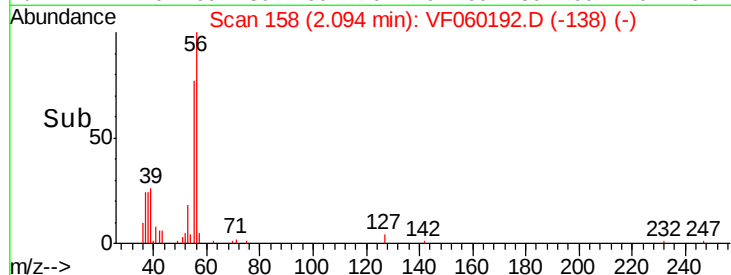
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 60.84 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

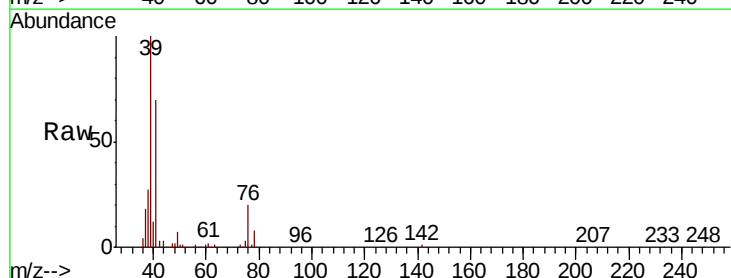
Tgt Ion: 41 Resp: 80517

Ion Ratio Lower Upper

41 100

39 143.3 114.6 172.0

76 28.9 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

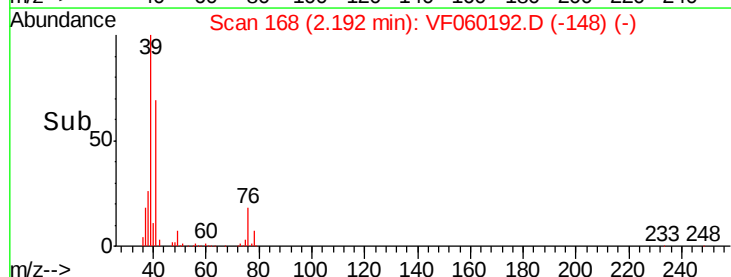
60000

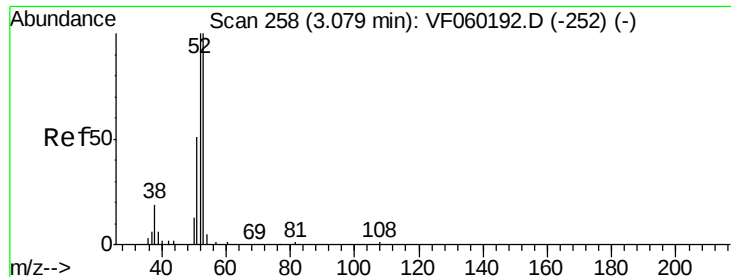
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 687.97 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

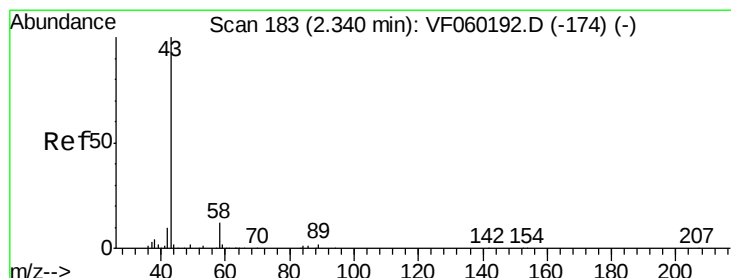
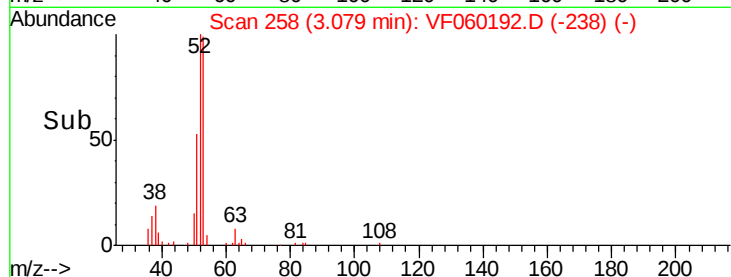
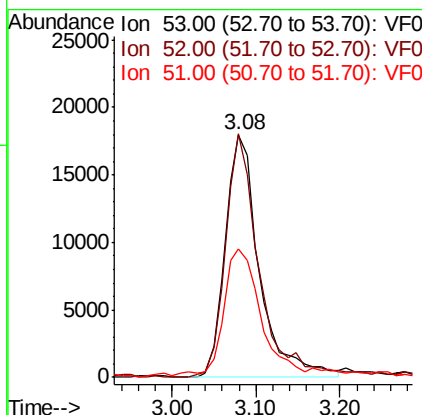
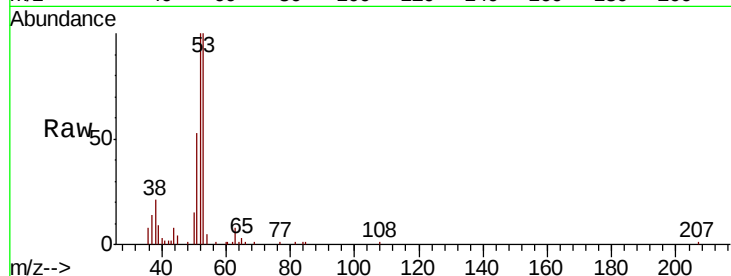
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	50782
Ion	Ratio	Lower	Upper
53	100		
52	100.3	80.2	120.4
51	53.0	42.4	63.6

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#16

Acetone

Concen: 732.46 ug/l

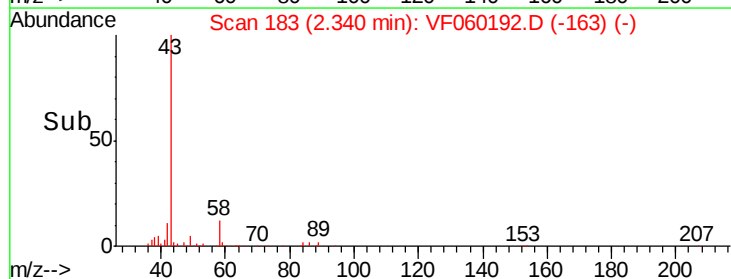
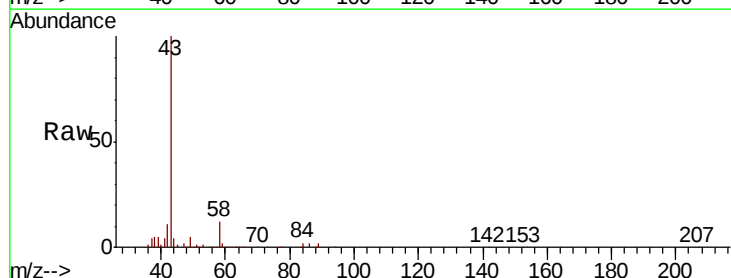
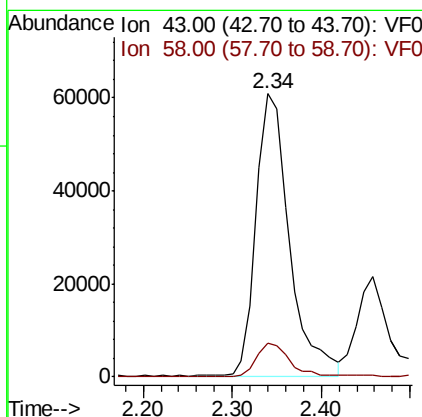
RT: 2.34 min Scan# 183

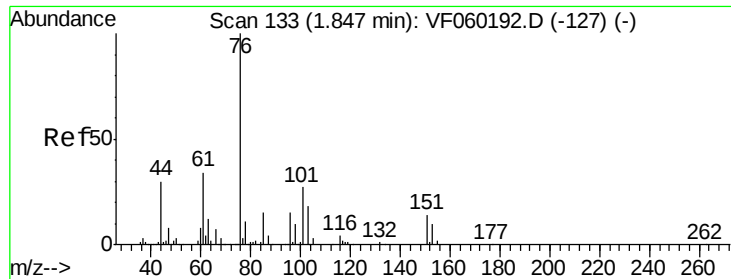
Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion:	43	Resp:	156930
Ion	Ratio	Lower	Upper
43	100		
58	12.0	9.6	14.4





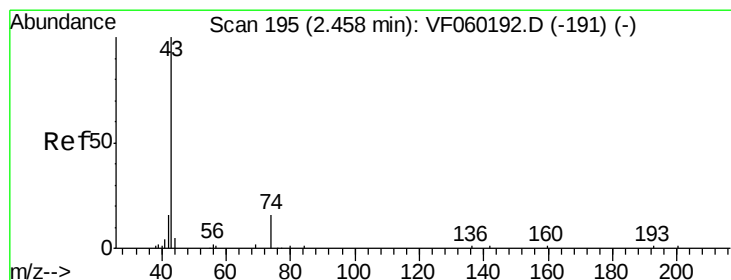
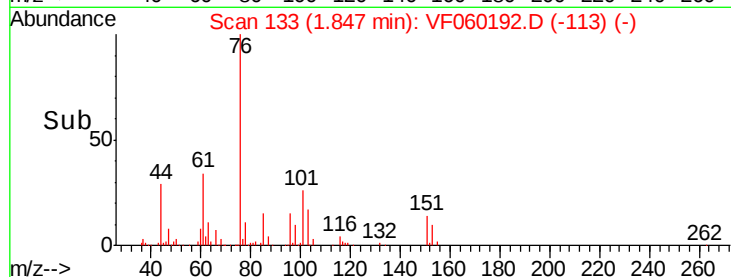
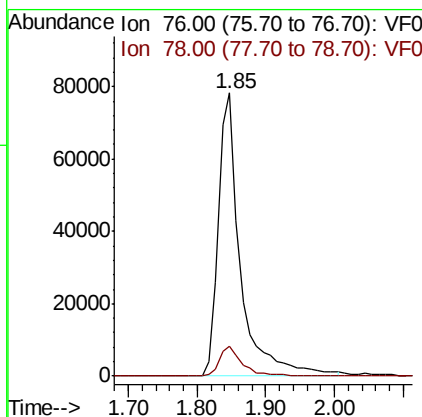
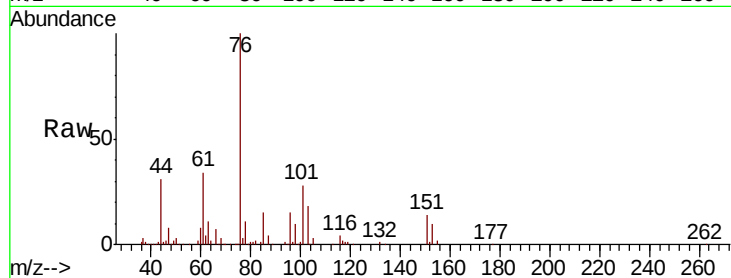
#17
Carbon Disulfide
Concen: 40.81 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.8	8.6	13.0

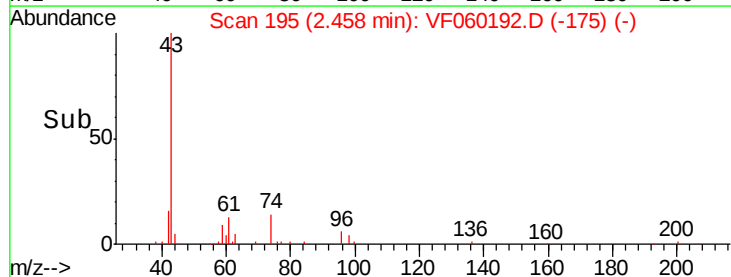
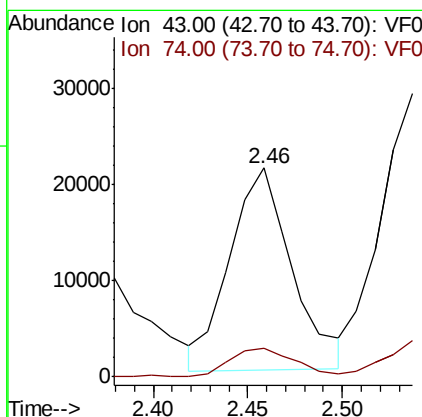
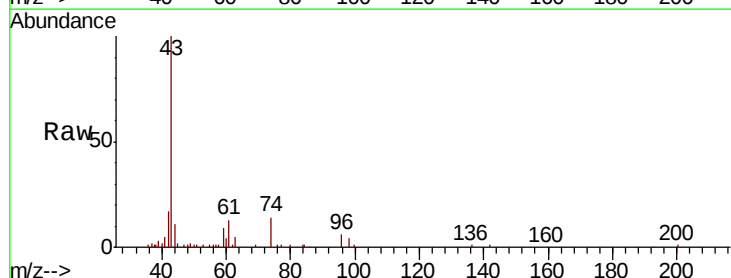
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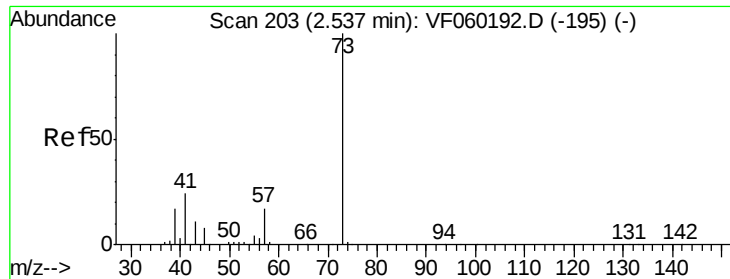
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#18
Methyl Acetate
Concen: 112.42 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.7	11.0	16.4





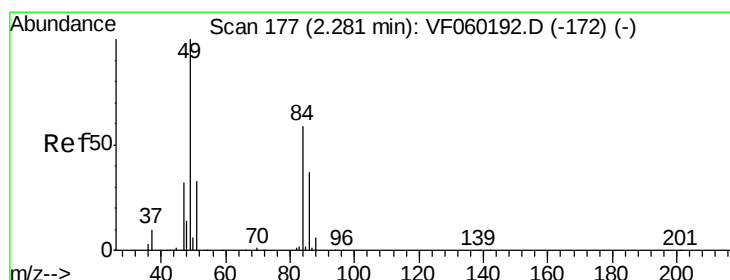
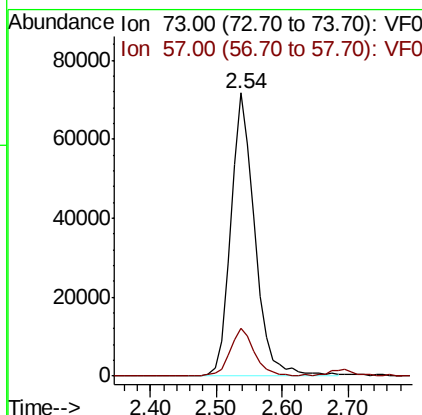
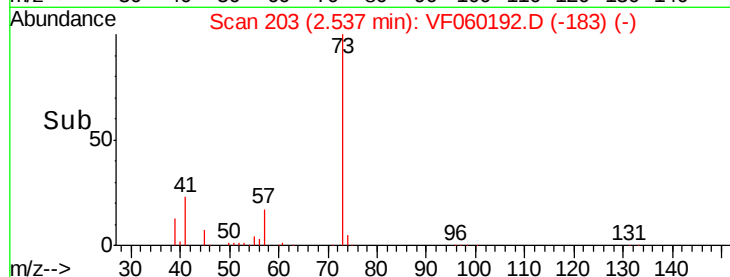
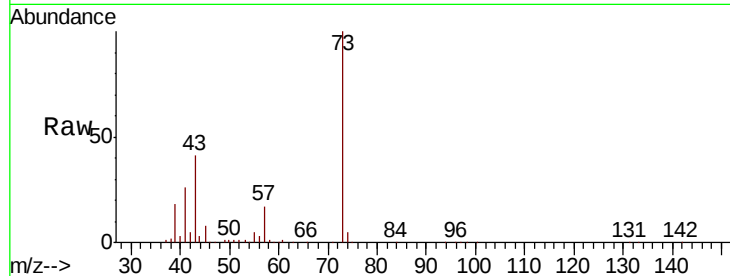
#19
Methyl tert-butyl Ether
Concen: 118.06 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 184144
Ion Ratio Lower Upper
73 100
57 17.0 13.6 20.4

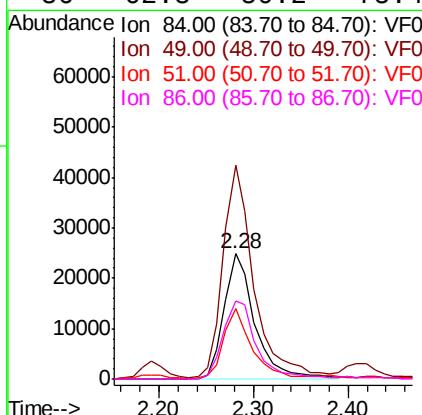
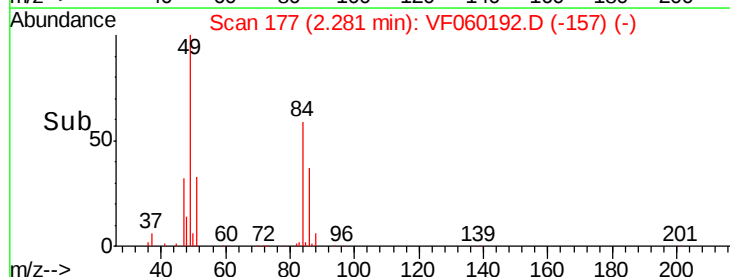
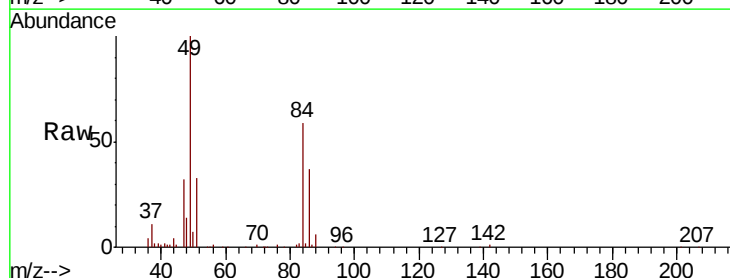
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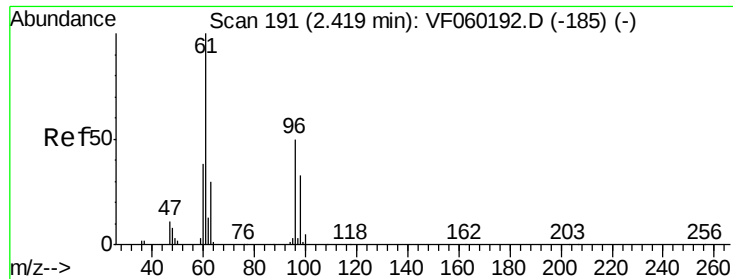
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#20
Methylene Chloride
Concen: 59.68 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion: 84 Resp: 56612
Ion Ratio Lower Upper
84 100
49 170.5 136.4 204.6
51 56.4 45.1 67.7
86 62.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 45.72 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 57489

Ion Ratio Lower Upper

96 100

61 199.8 159.8 239.8

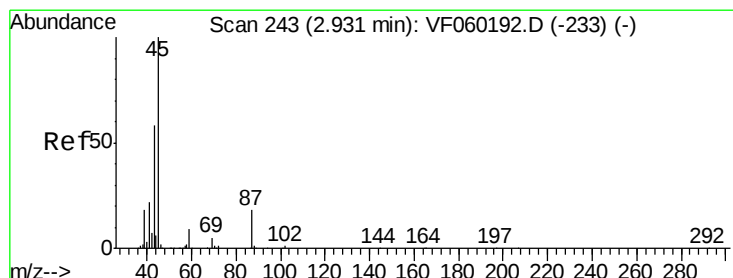
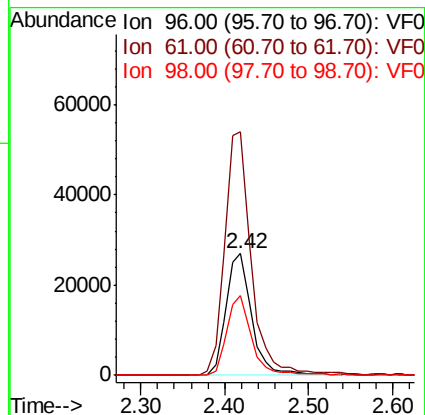
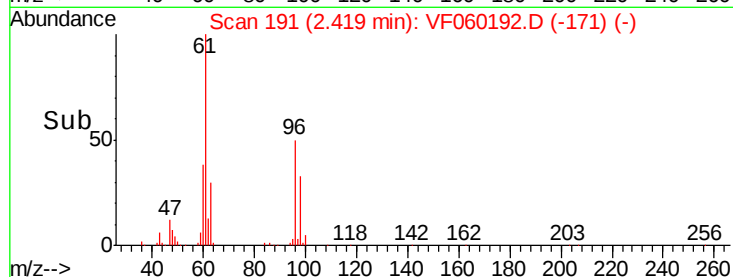
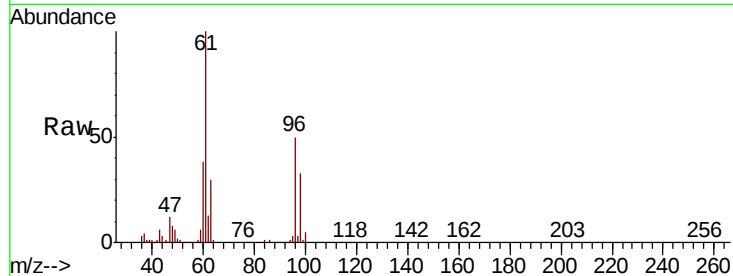
98 64.9 51.9 77.9

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#22

Diisopropyl ether

Concen: 81.63 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion: 45 Resp: 195918

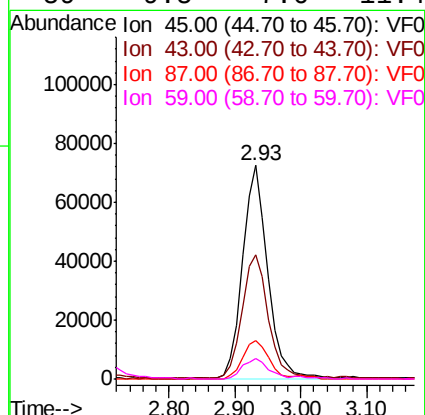
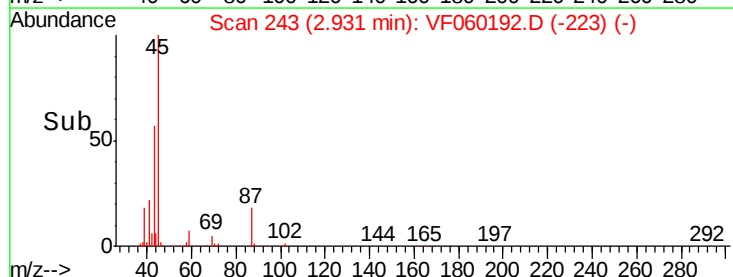
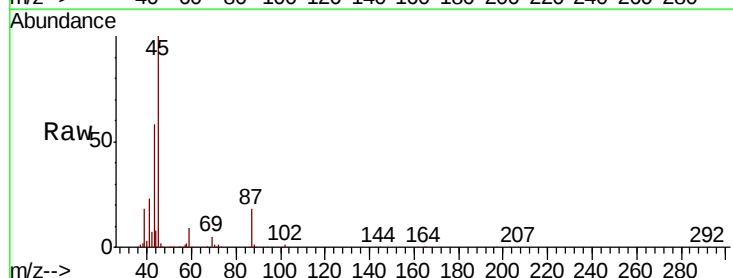
Ion Ratio Lower Upper

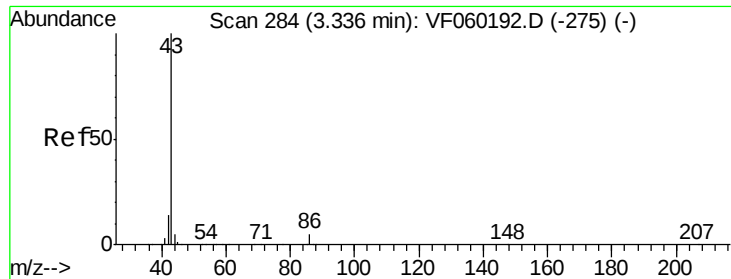
45 100

43 58.3 46.6 70.0

87 17.9 14.3 21.5

59 9.5 7.6 11.4





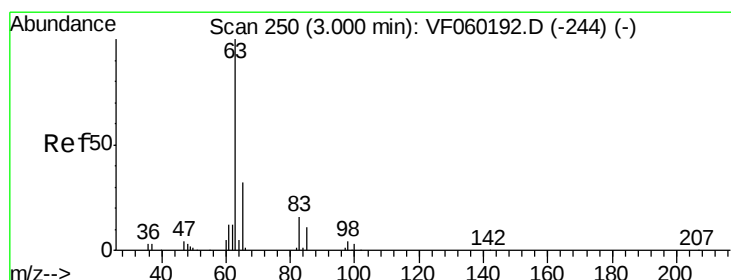
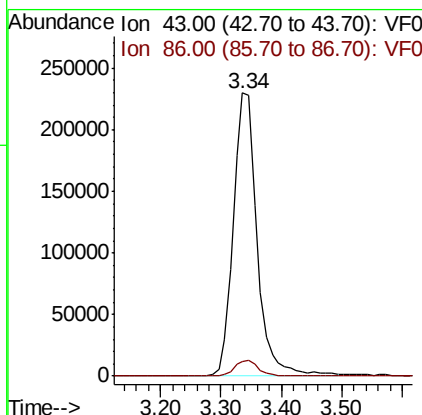
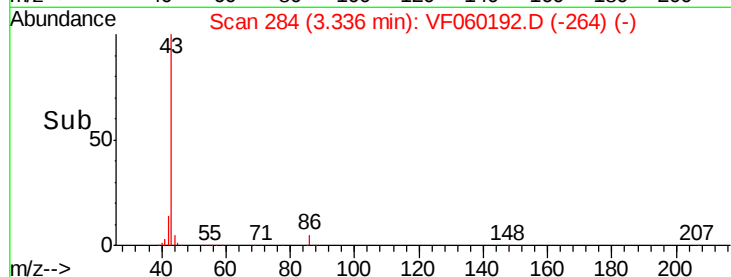
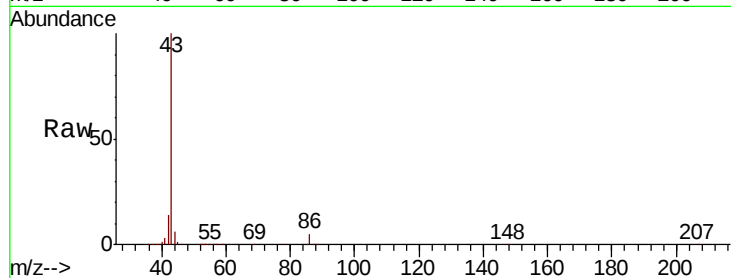
#23
 Vinyl Acetate
 Concen: 739.37 ug/l
 RT: 3.34 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.0	4.0	6.0

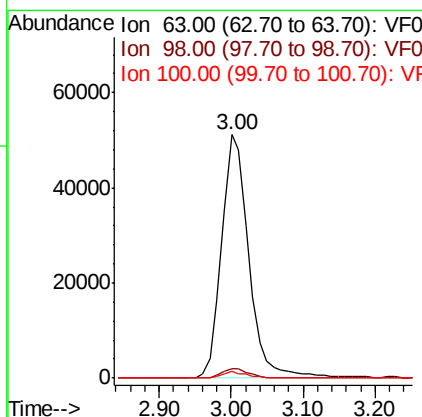
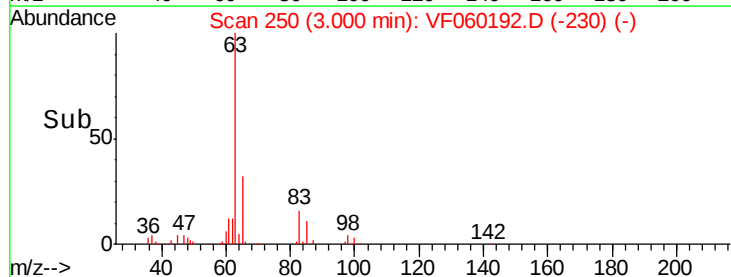
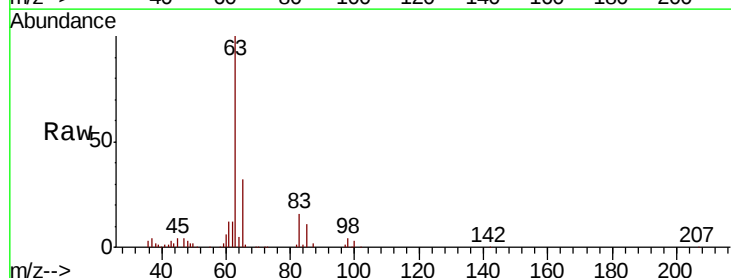
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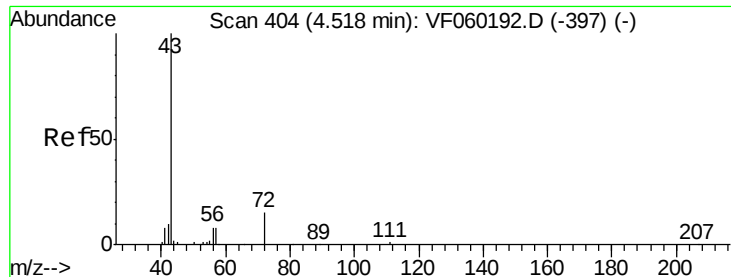
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#24
 1,1-Dichloroethane
 Concen: 59.39 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.9	5.7
100	2.9	1.5	4.4





#25

2-Butanone

Concen: 875.89 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF060192.D

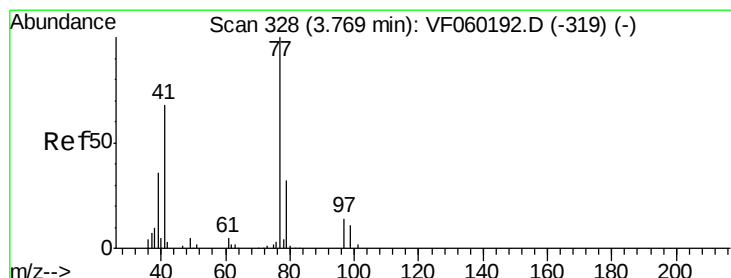
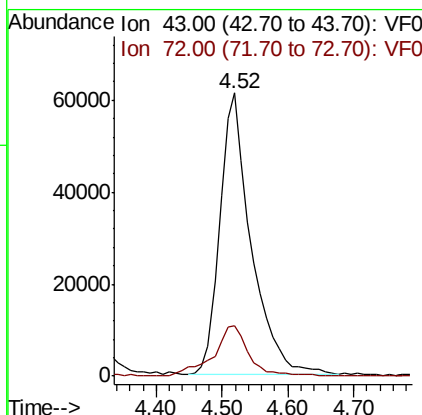
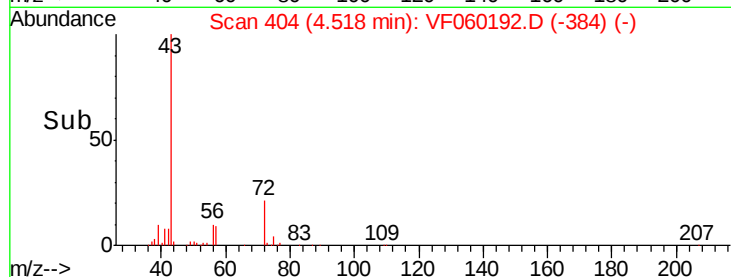
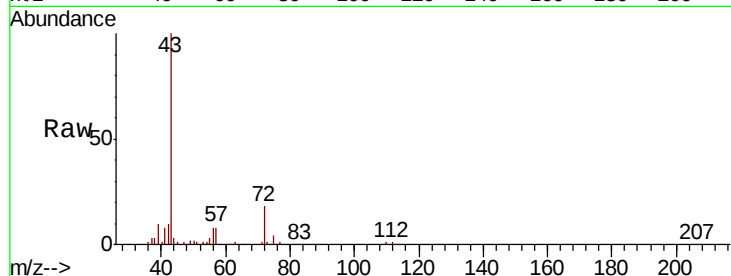
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	201867
Ion	Ratio	Lower	Upper
43	100		
72	18.0	14.4	21.6

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#26

2,2-Dichloropropane

Concen: 89.35 ug/l

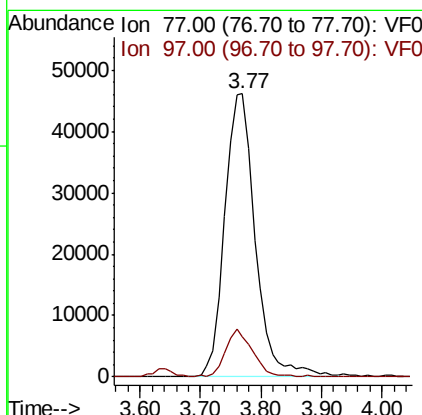
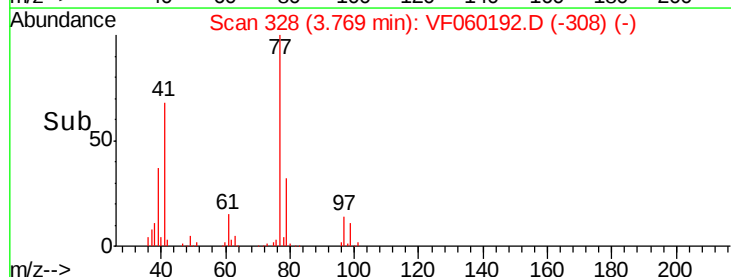
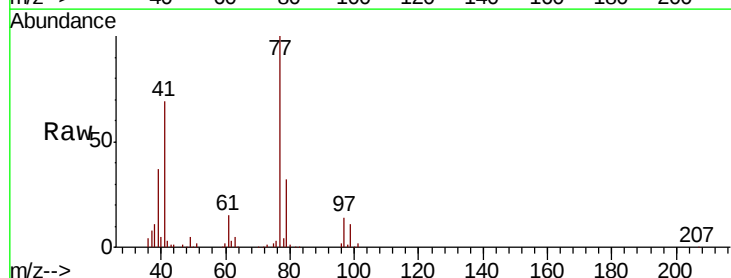
RT: 3.77 min Scan# 328

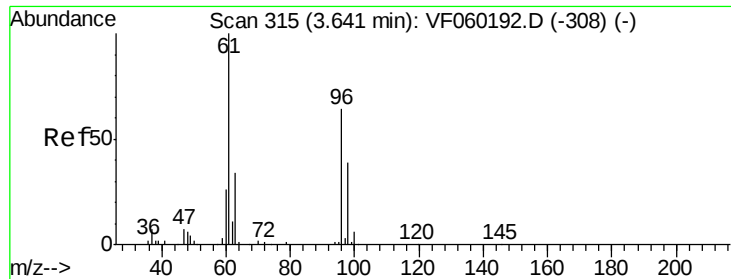
Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion	77	Resp	162214
Ion	Ratio	Lower	Upper
77	100		
97	14.3	7.1	21.4





#27

cis-1,2-Dichloroethene

Concen: 79.32 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

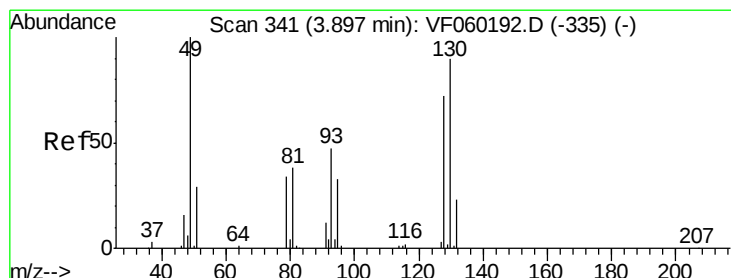
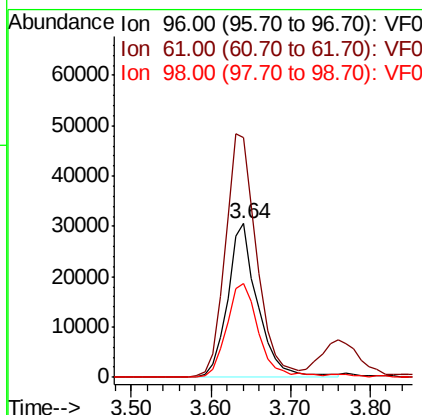
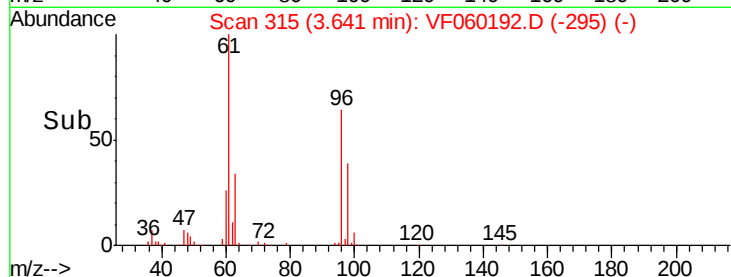
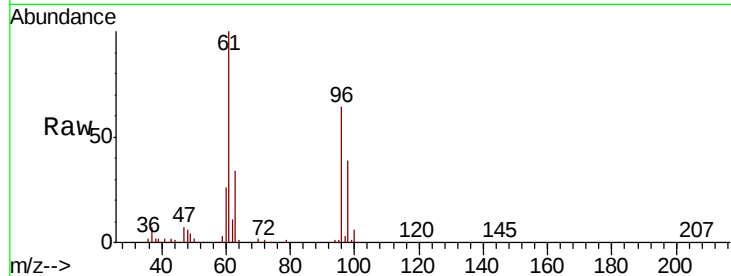
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	80621
Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	311.8
98	60.7	0.0	121.4

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#28

Bromochloromethane

Concen: 89.83 ug/l

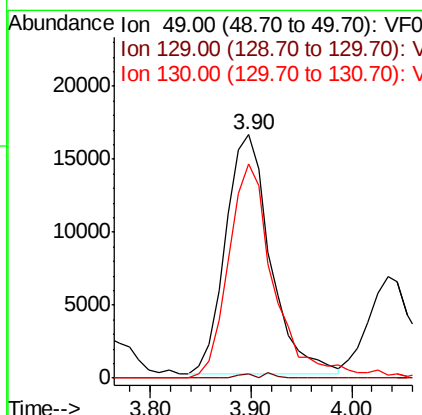
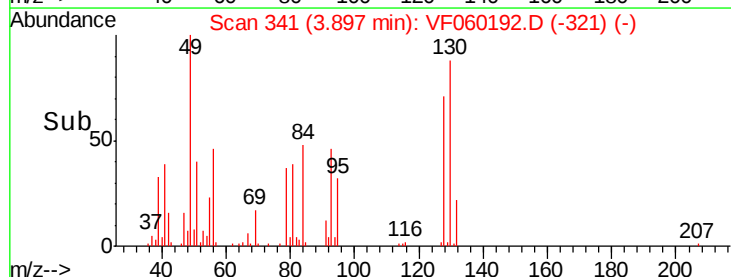
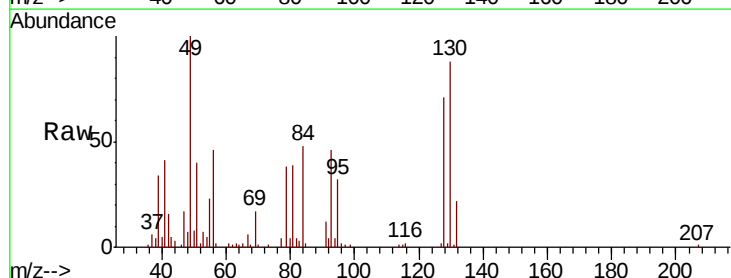
RT: 3.90 min Scan# 341

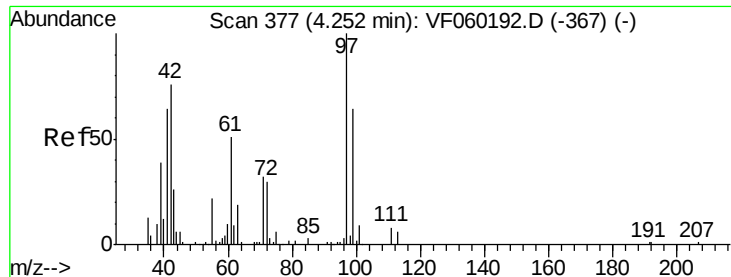
Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion:	49	Resp:	50540
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	87.9	70.3	105.5





#29

Tetrahydrofuran

Concen: 814.74 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

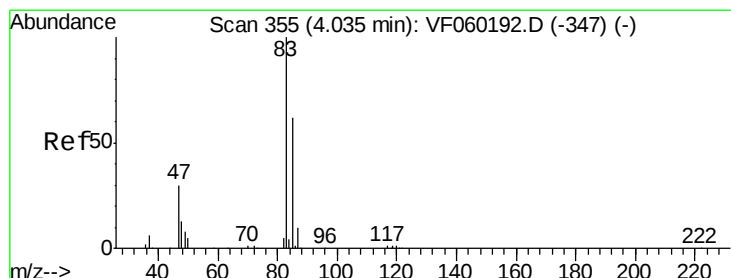
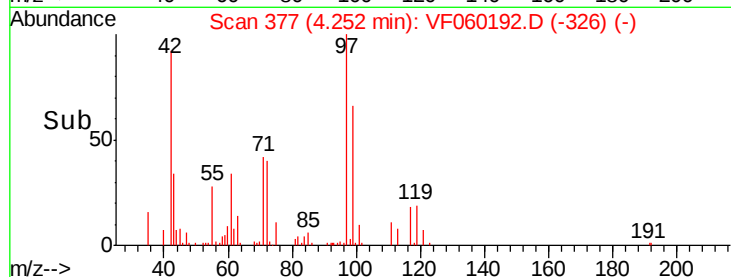
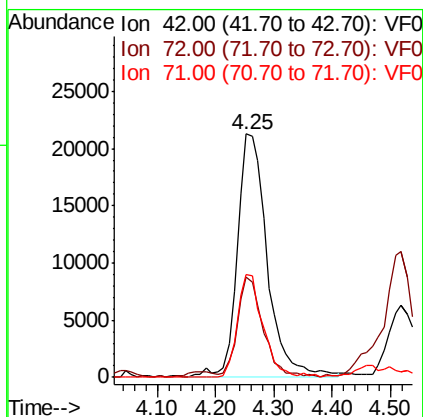
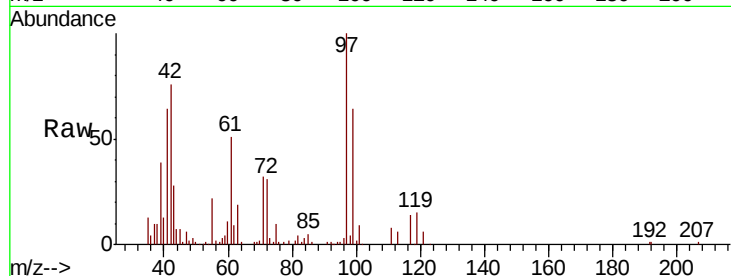
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	76376
Ion	Ratio	Lower	Upper
42	100		
72	35.2	28.2	42.2
71	35.7	28.6	42.8

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#30

Chloroform

Concen: 78.07 ug/l

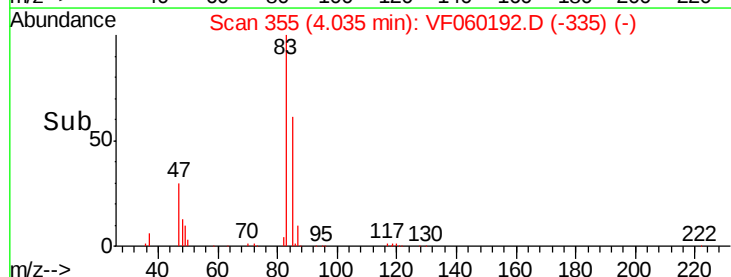
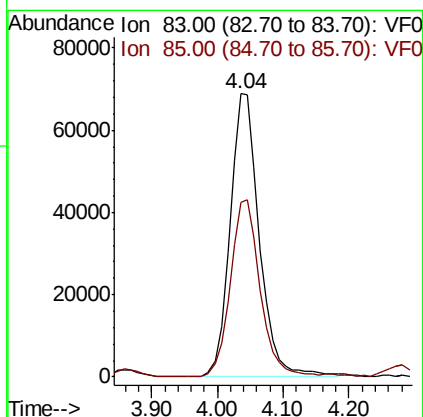
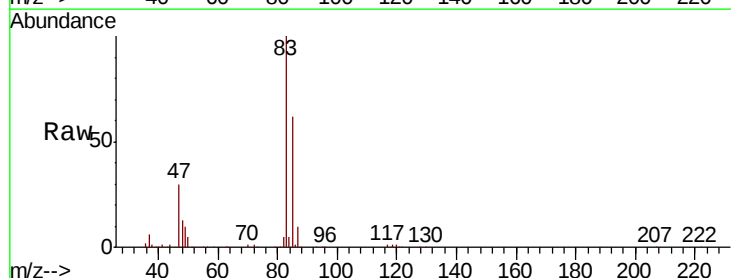
RT: 4.04 min Scan# 355

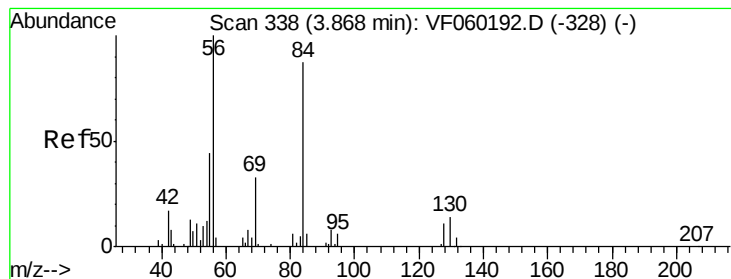
Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion:	83	Resp:	214530
Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.5	74.3





#31

Cyclohexane

Concen: 47.52 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

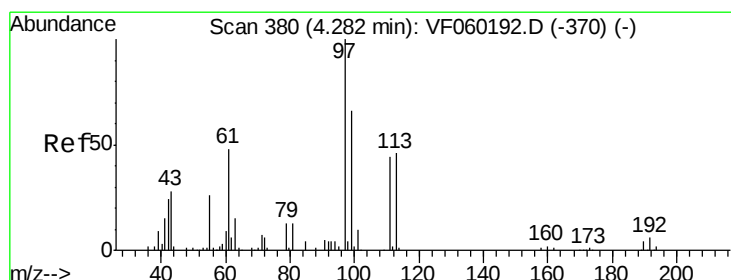
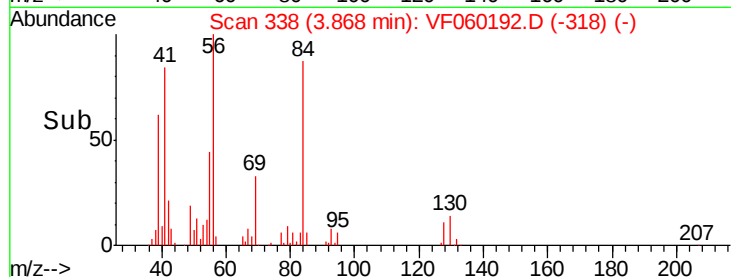
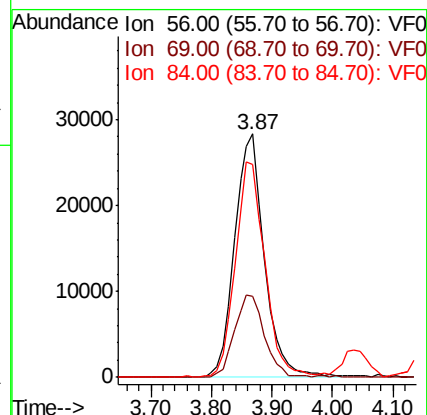
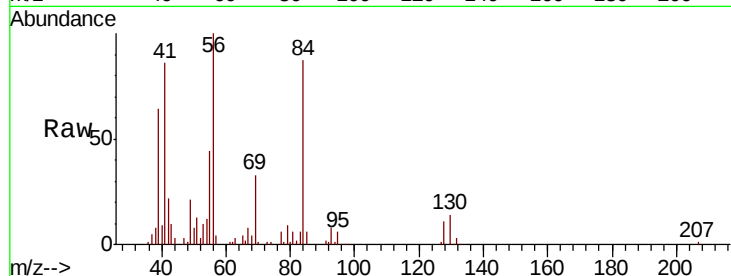
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	96226
Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.4	39.6
84	87.4	69.9	104.9

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#32

1,1,1-Trichloroethane

Concen: 55.92 ug/l

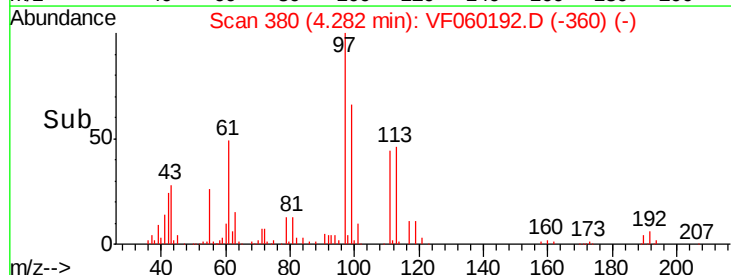
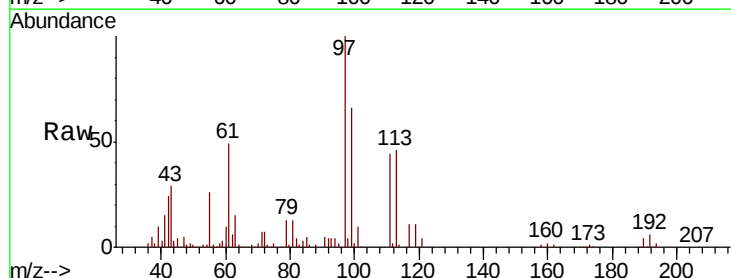
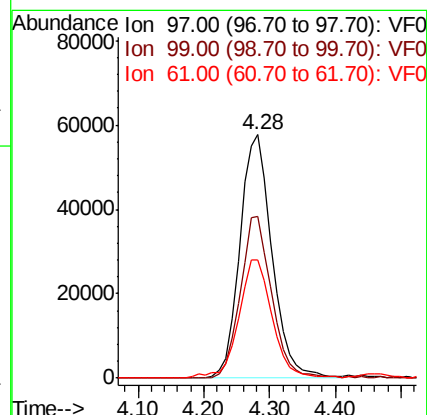
RT: 4.28 min Scan# 380

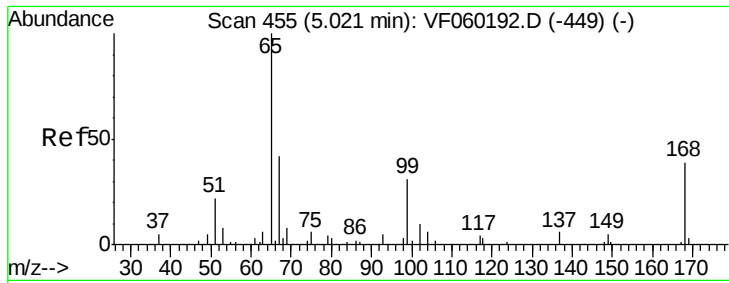
Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion:	97	Resp:	197908
Ion	Ratio	Lower	Upper
97	100		
99	66.3	53.0	79.6
61	48.6	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 112.55 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tot Ion: 65 Resp: 147533

Ion Ratio Lower Upper

65 100

67 43.9 0.0 87.8

Instrument :

MSVOA_F

ClientSampleId :

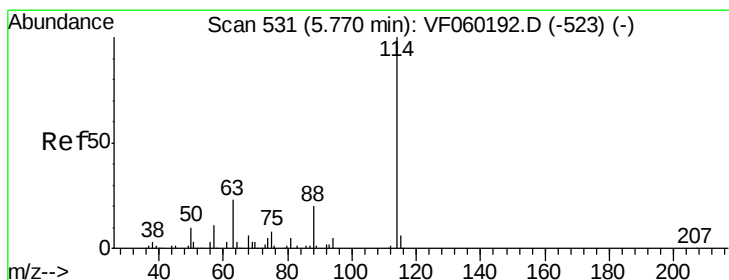
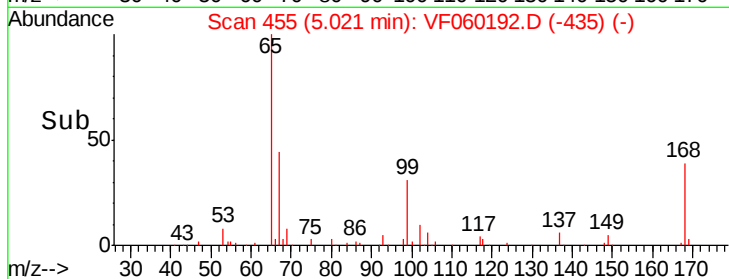
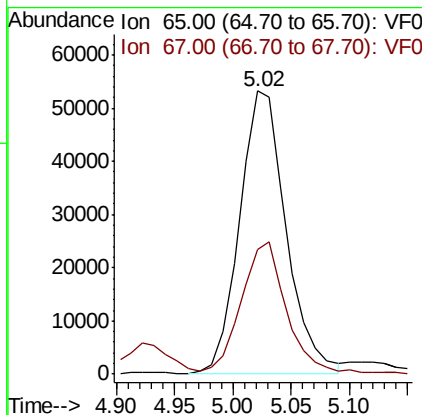
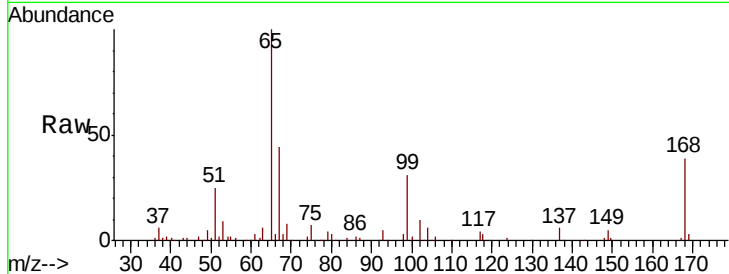
VSTDICCC050

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

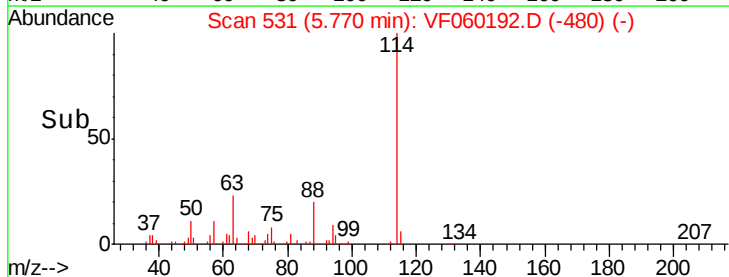
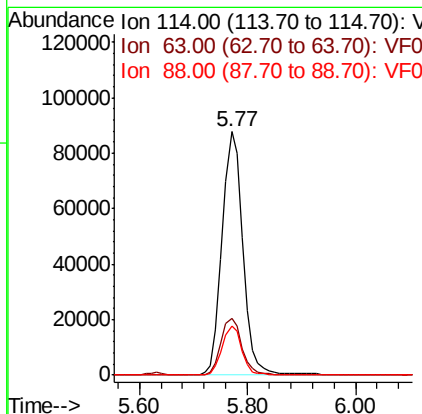
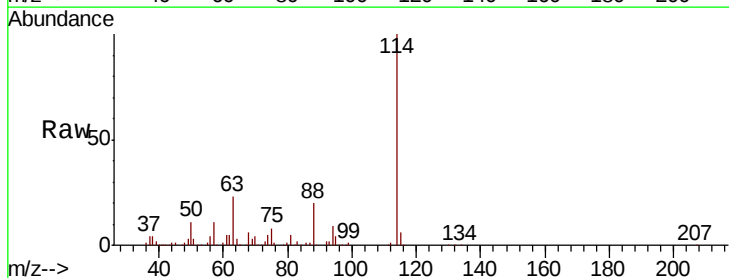
Tgt Ion: 114 Resp: 235101

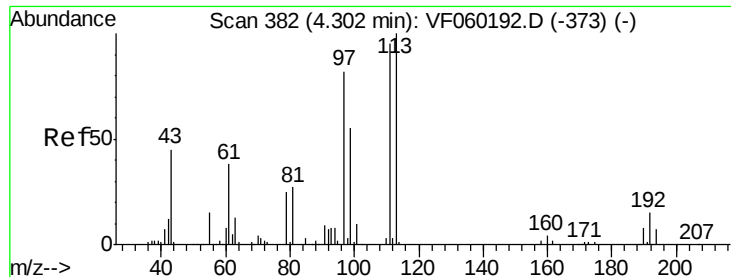
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.4

88 20.2 0.0 40.4





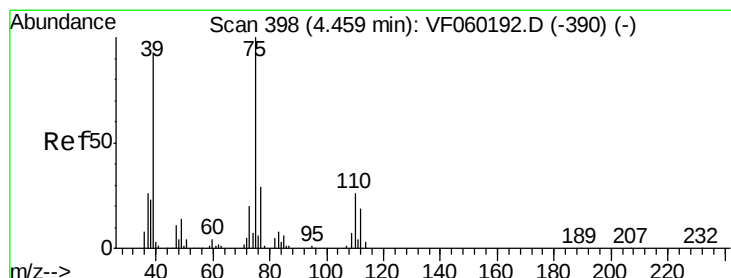
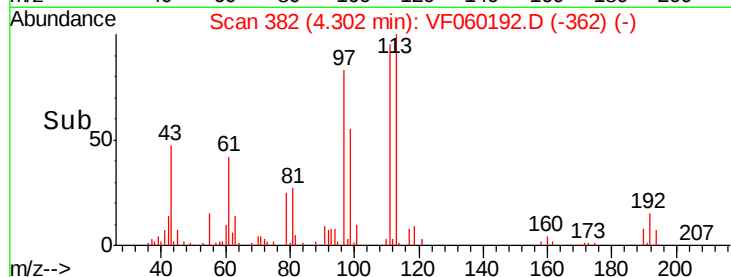
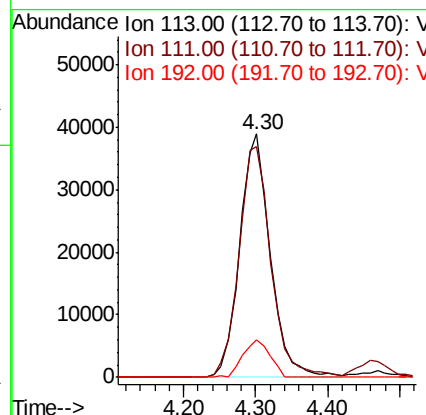
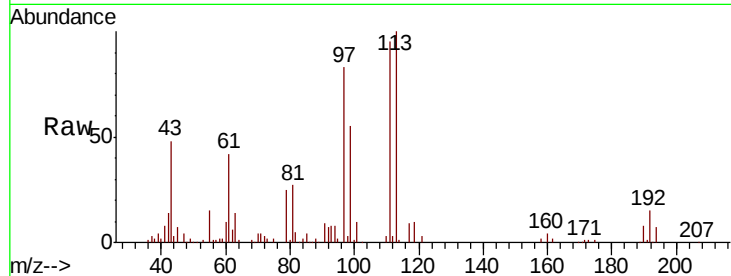
#35
 Dibromofluoromethane
 Concen: 70.37 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115233		
111	94.8		75.8	113.8
192	15.3		12.2	18.4

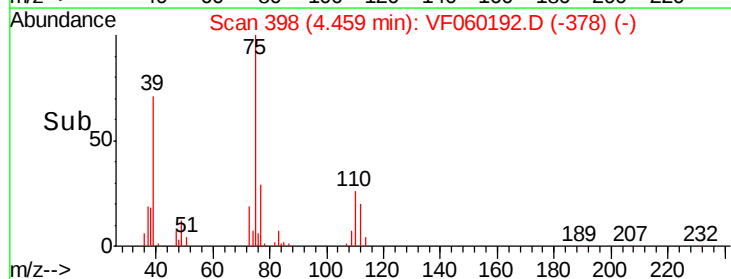
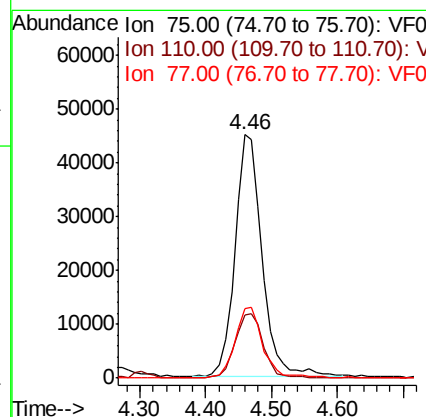
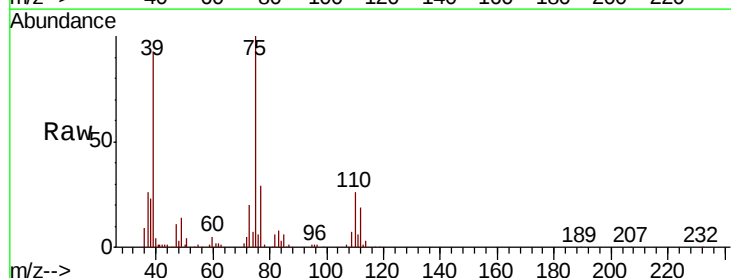
Manual Integrations
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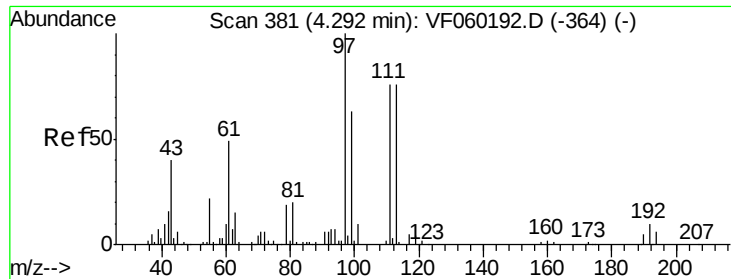
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#36
 1,1-Dichloropropene
 Concen: 40.81 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128470		
110	25.9		13.0	38.9
77	28.6		22.9	34.3





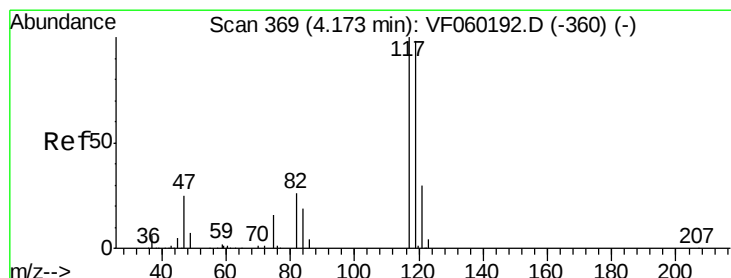
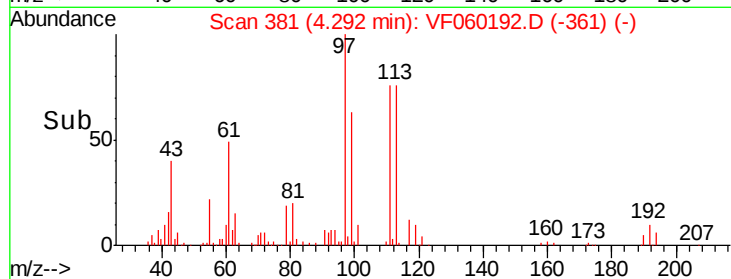
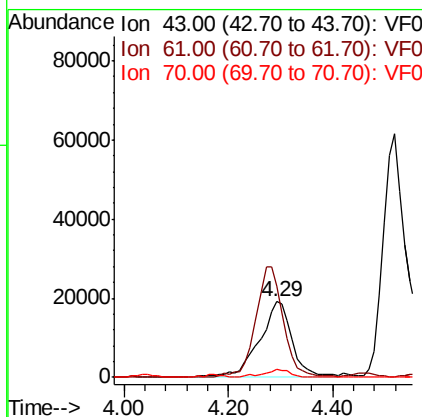
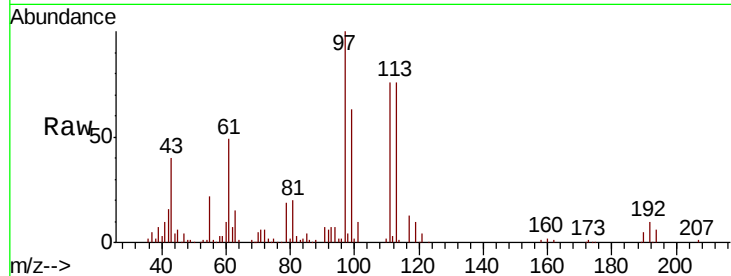
#37
Ethyl Acetate
Concen: 136.87 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	121.5	97.2	145.8
70	11.3	9.0	13.6

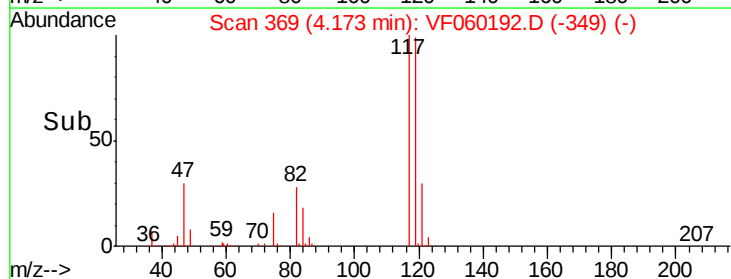
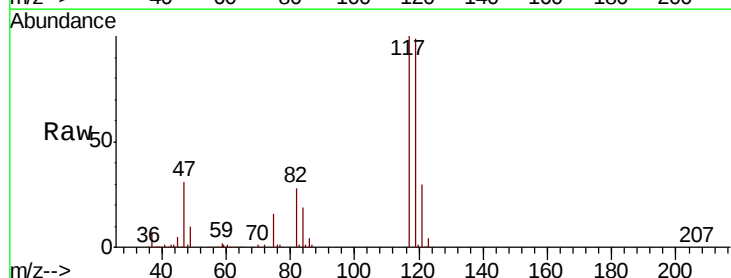
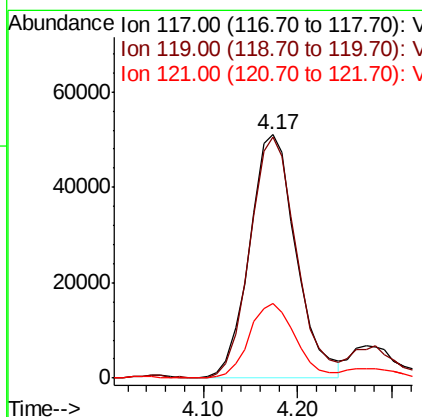
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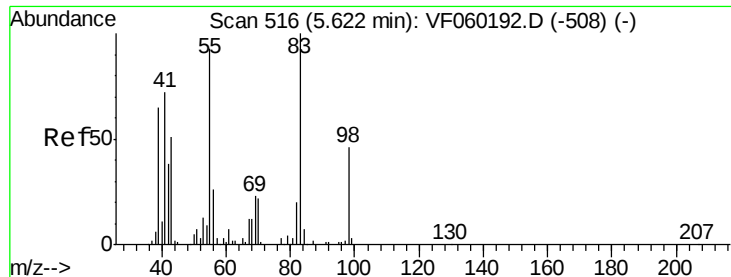
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#38
Carbon Tetrachloride
Concen: 40.91 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	79.0	118.6
121	30.8	24.6	37.0





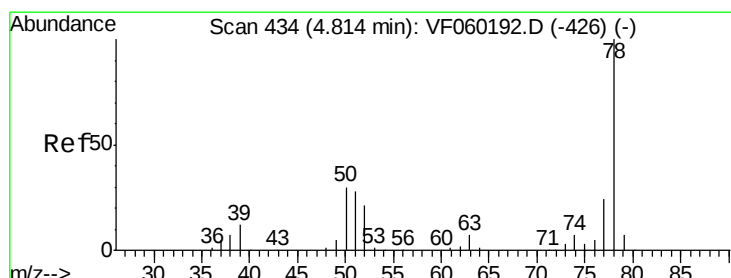
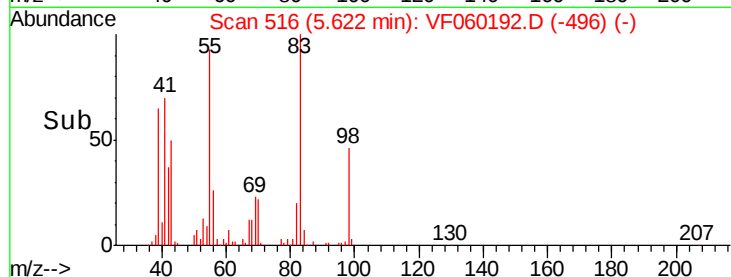
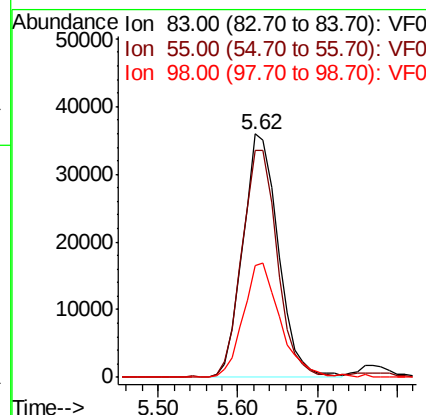
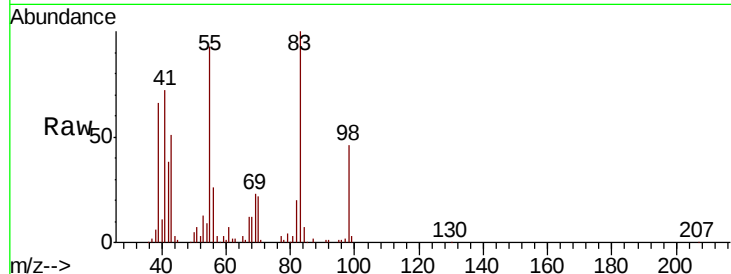
#39
Methvlcvclohexane
Concen: 37.65 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.1	74.5	111.7
98	45.9	36.7	55.1

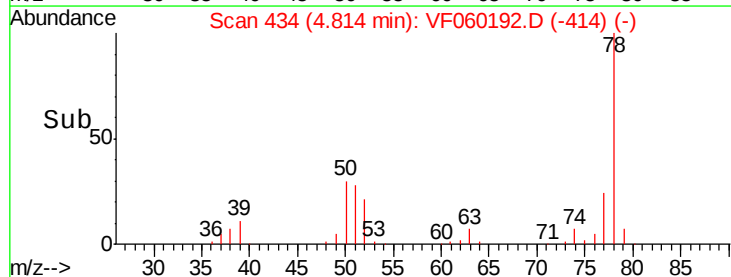
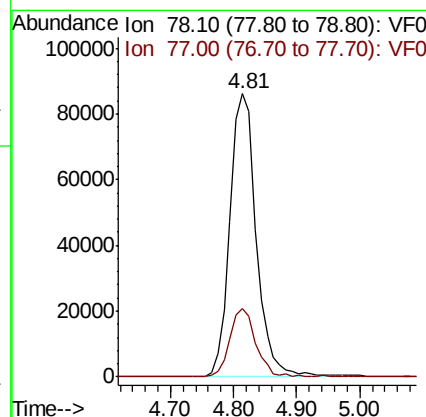
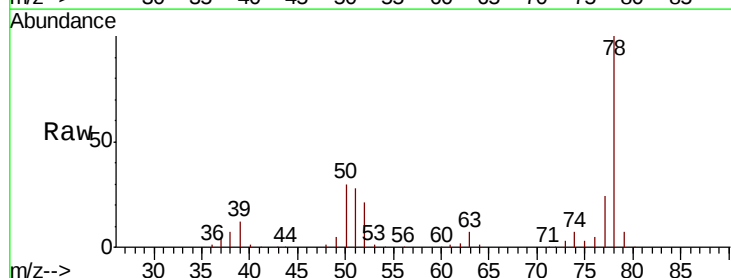
Manual Integrations
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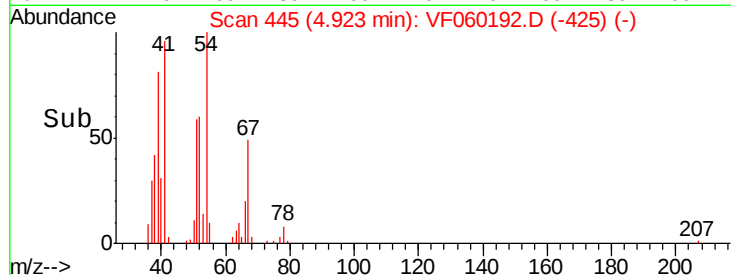
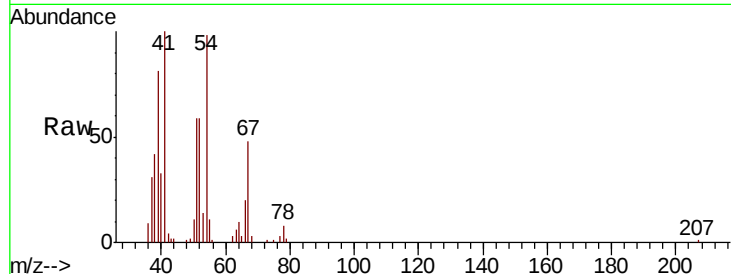
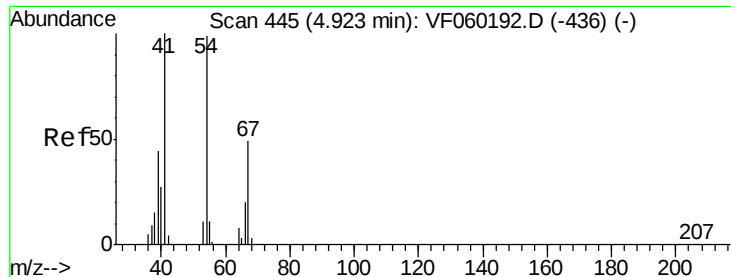
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#40
Benzene
Concen: 54.89 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





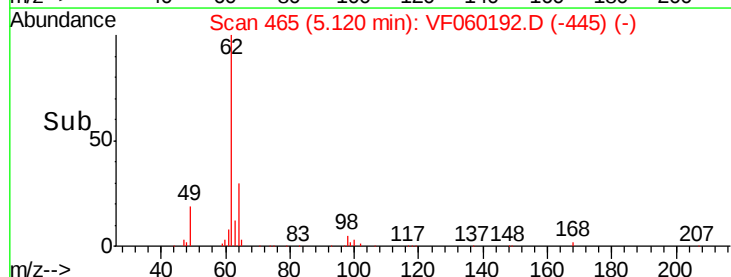
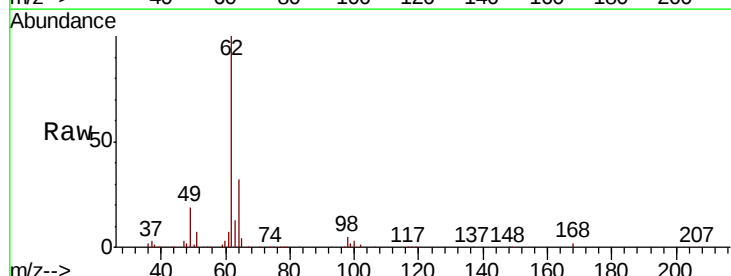
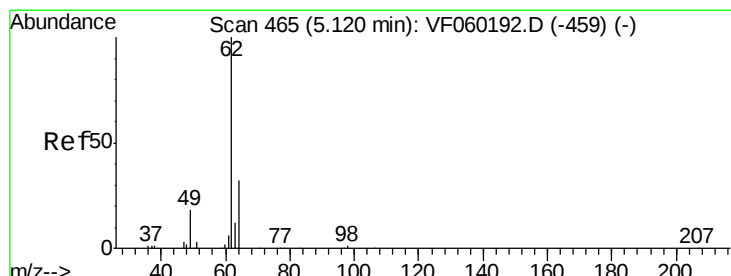
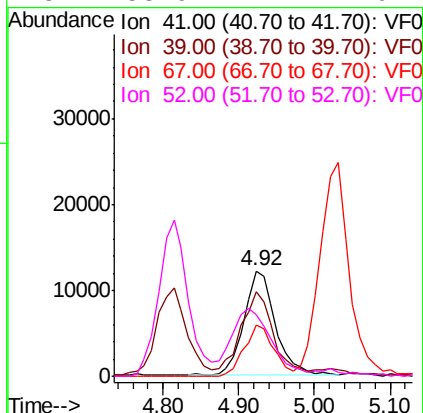
#41
Methacrylonitrile
Concen: 113.56 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tot Ion	41	Resp	35133
Ion Ratio	Lower	Upper	
41	100		
39	80.6	64.5	96.7
67	48.1	38.5	57.7
52	58.9	47.1	70.7

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

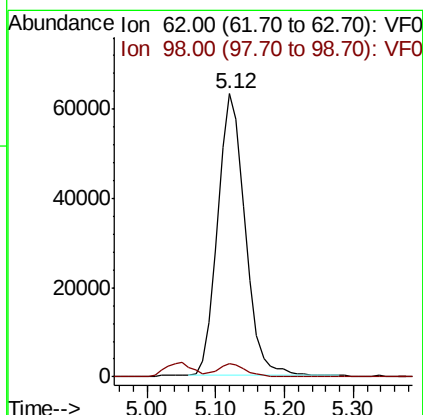
Manual Integrations
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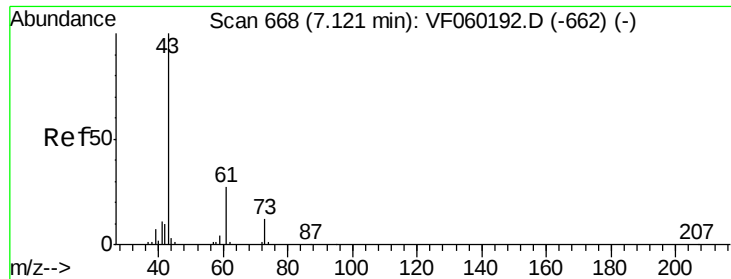
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#42
1,2-Dichloroethane
Concen: 90.53 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	62	Resp	174467
Ion Ratio	Lower	Upper	
62	100		
98	4.6	0.0	9.2





#43

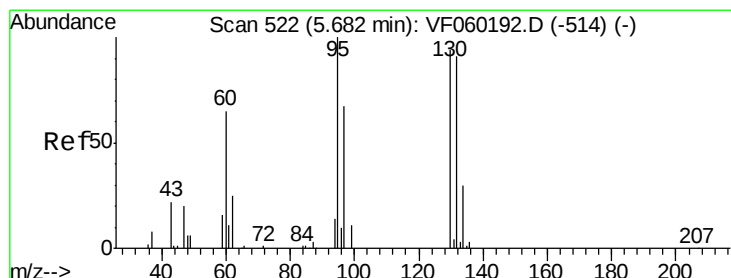
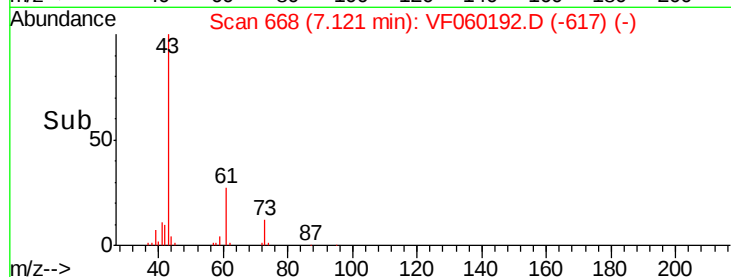
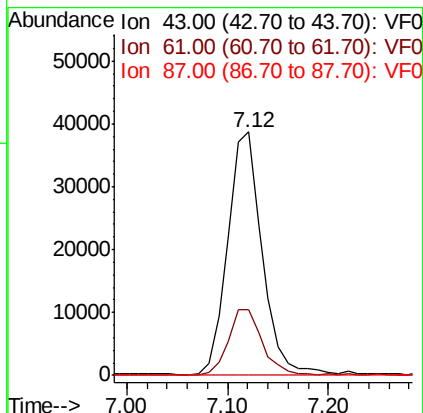
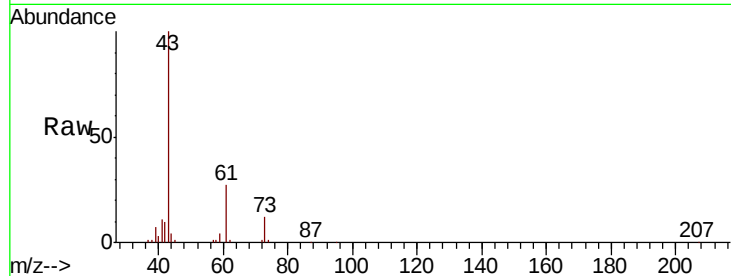
Isopropyl Acetate
 Concen: 124.06 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.4	32.0
87	0.4	0.3	0.5

Manual Integrations
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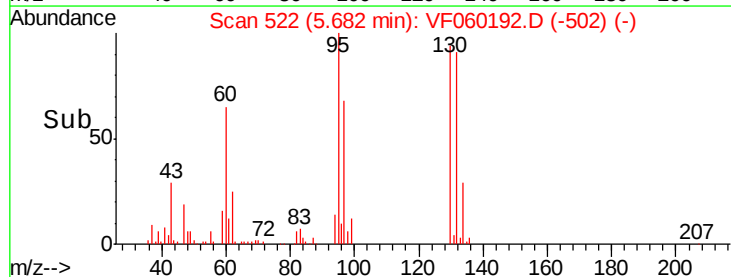
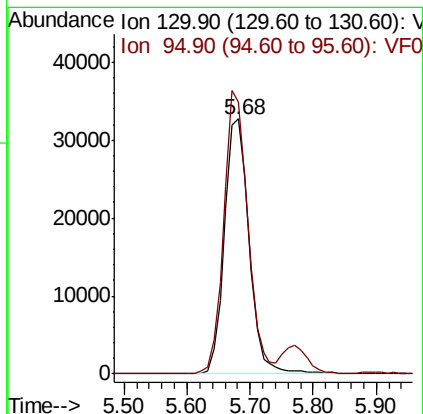
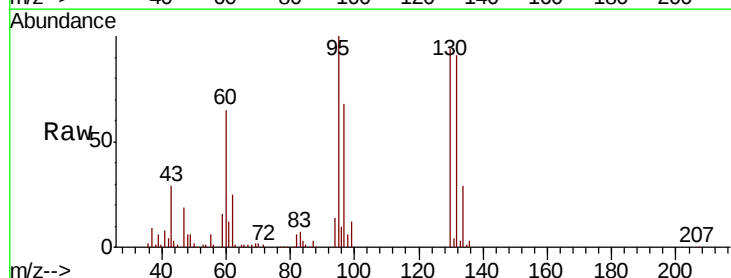
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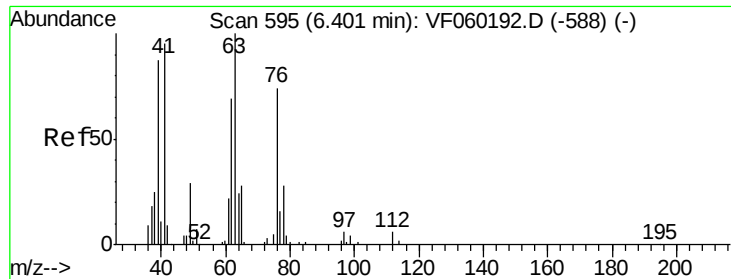


#44

Trichloroethene
 Concen: 47.28 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	213.4





#45

1,2-Dichloropropane

Concen: 73.06 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 75512

Ion Ratio Lower Upper

63 100

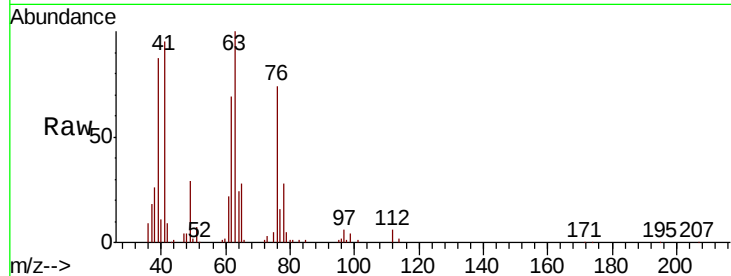
65 27.8 22.2 33.4

Manual Integrations

APPROVED

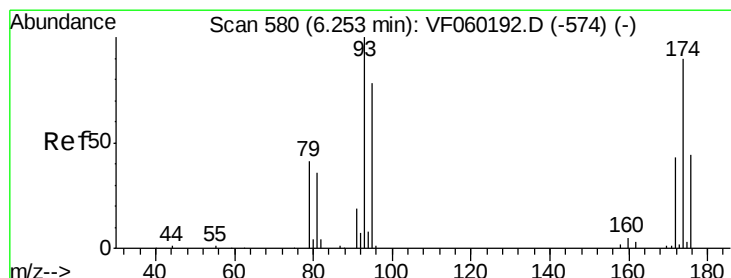
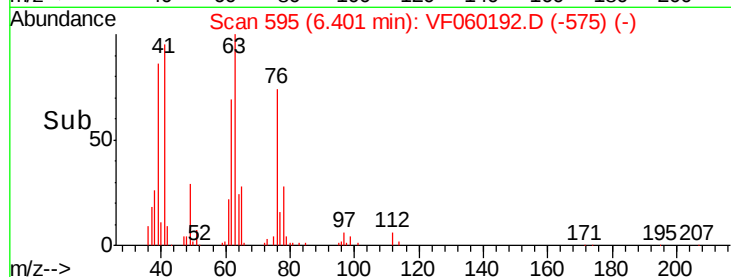
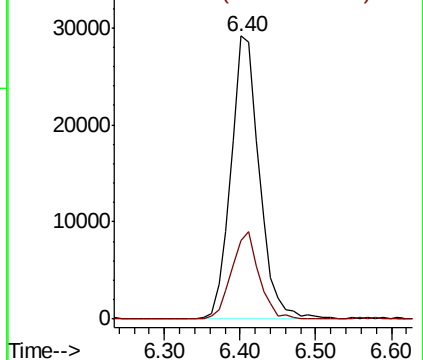
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 105.60 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

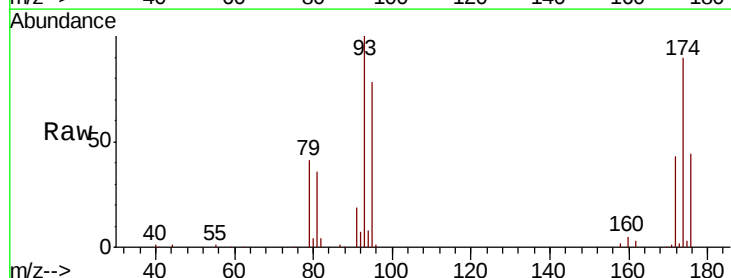
Tgt Ion: 93 Resp: 67434

Ion Ratio Lower Upper

93 100

95 79.3 63.4 95.2

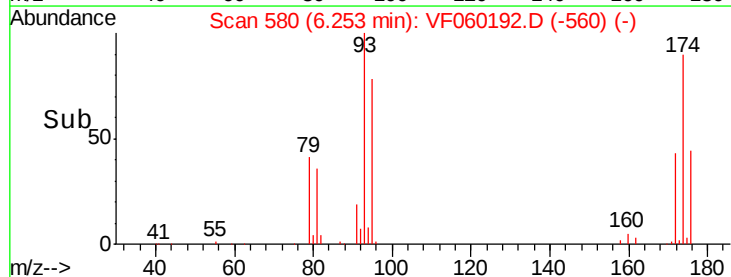
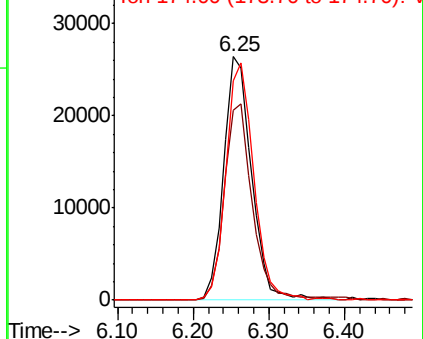
174 90.0 72.0 108.0

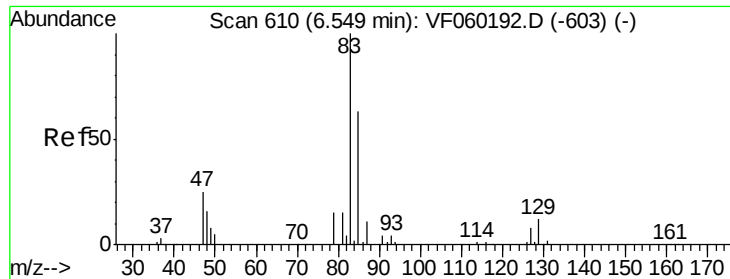


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 78.97 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

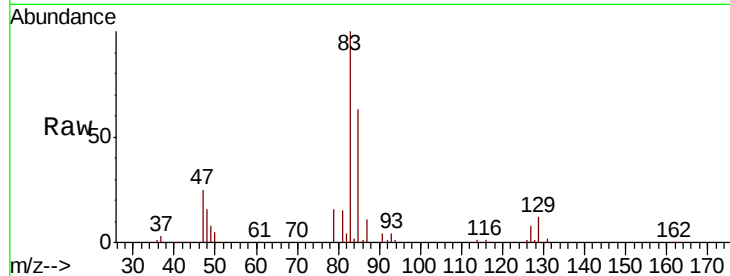
ClientSampleId :

VSTDICCC050

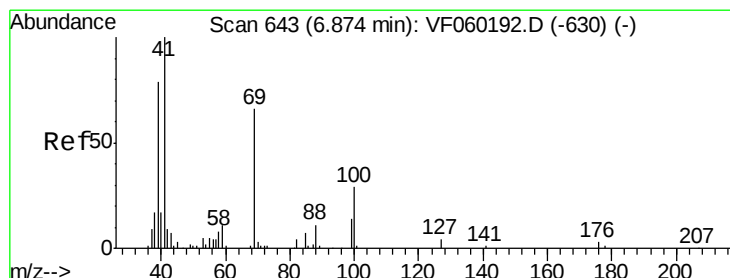
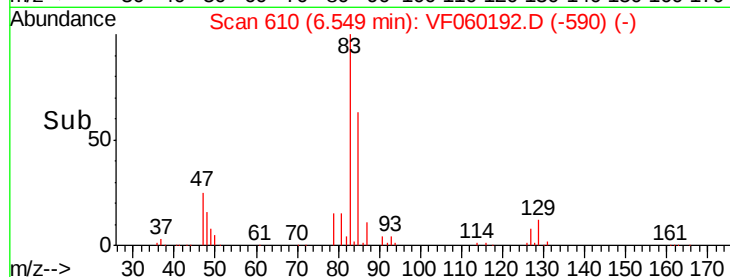
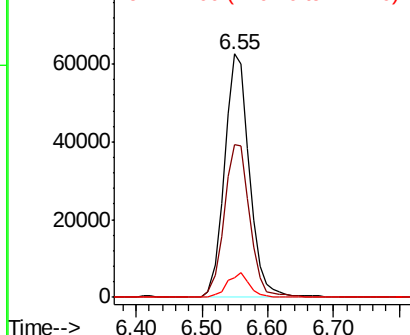
Tot Ion:	83	Resp:	165722
Ion Ratio	Lower	Upper	
83	100		
85	62.6	50.1	75.1
127	8.3	6.6	10.0

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 116.04 ug/l

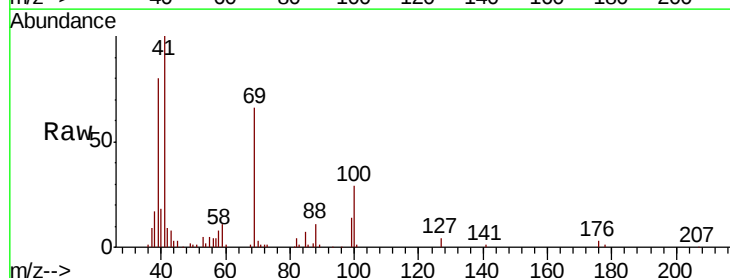
RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

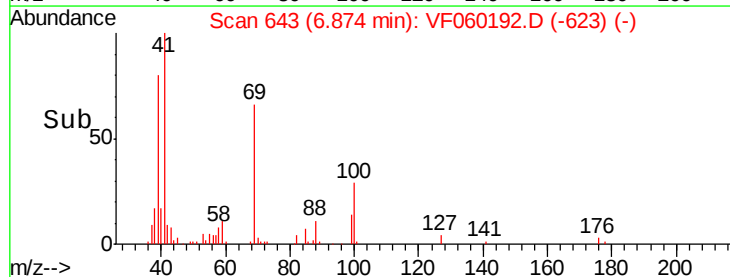
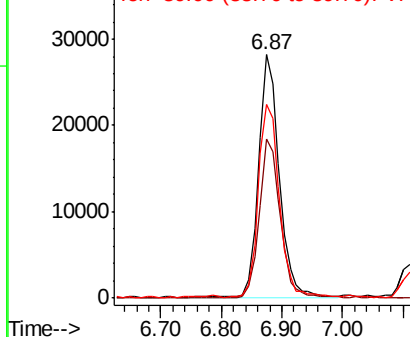
Lab File: VF060192.D

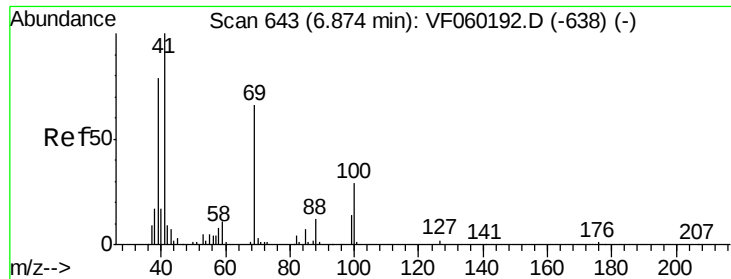
Acq: 29 Aug 2018 16:30

Tgt Ion:	41	Resp:	67793
Ion Ratio	Lower	Upper	
41	100		
69	65.5	52.4	78.6
39	79.5	63.6	95.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





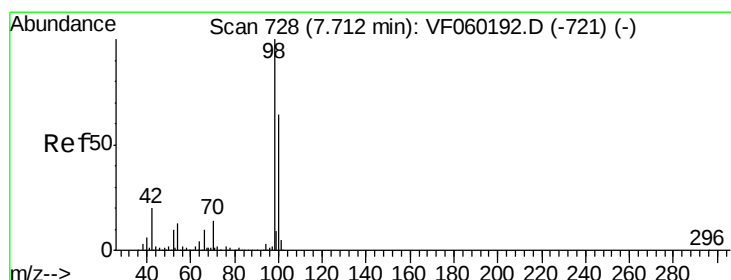
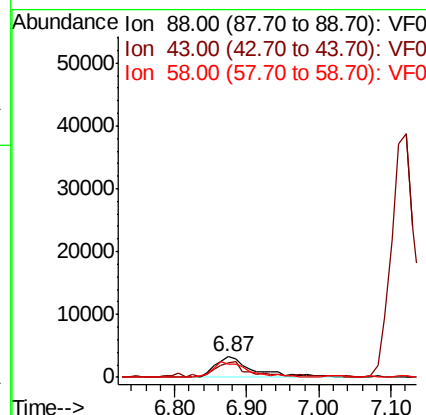
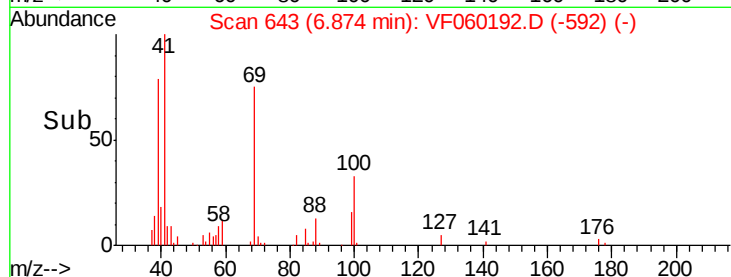
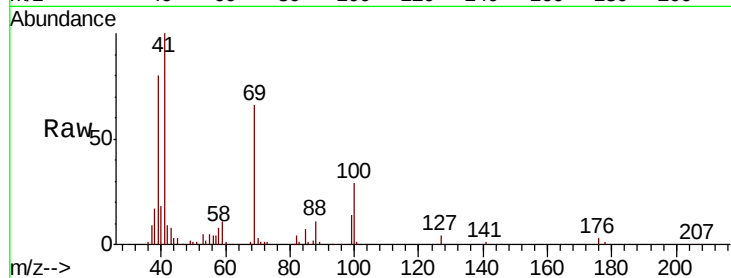
#49
1,4-Dioxane
Concen: 2925.51 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	70.6	56.5	84.7
58	66.9	53.5	80.3

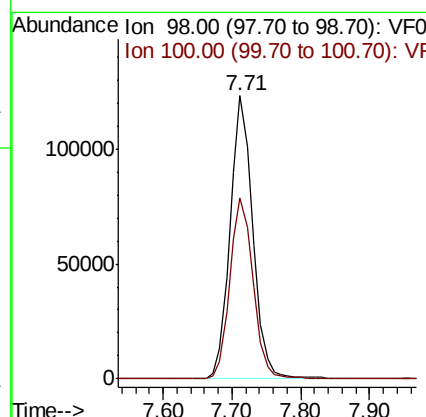
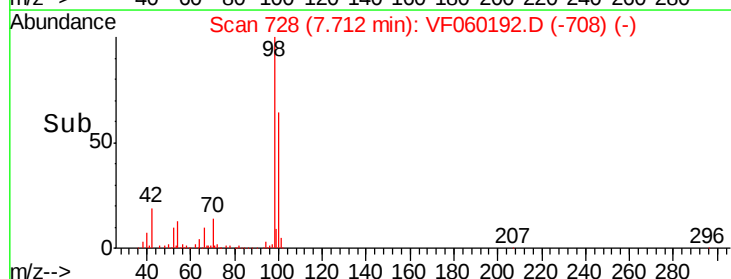
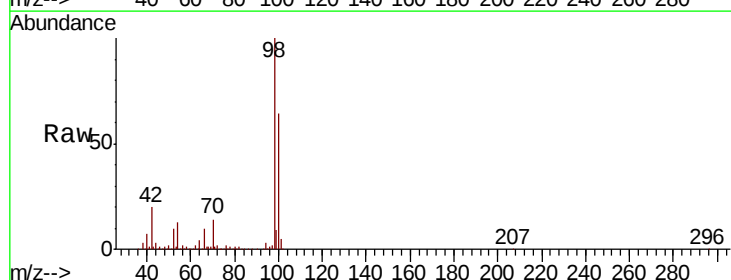
Manual Integrations
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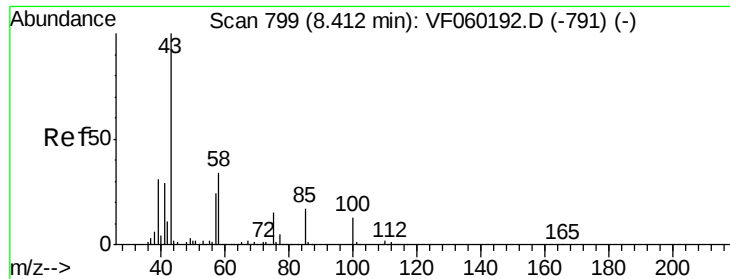
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#50
Toluene-d8
Concen: 53.61 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 655.26 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 435069

Ion Ratio Lower Upper

43 100

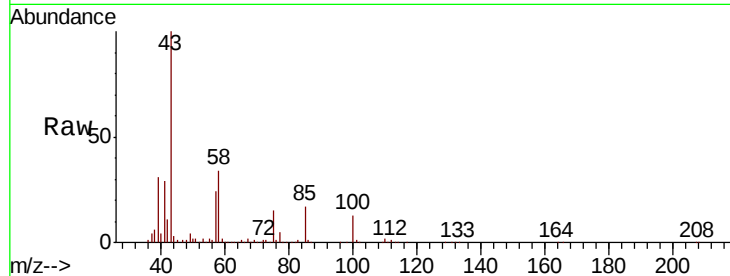
58 34.0 27.2 40.8

Manual Integrations

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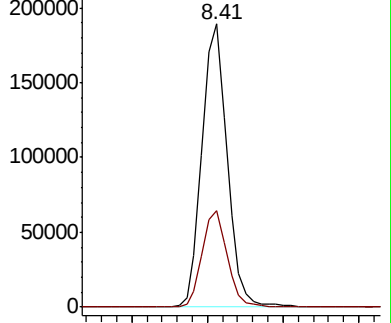
apatel

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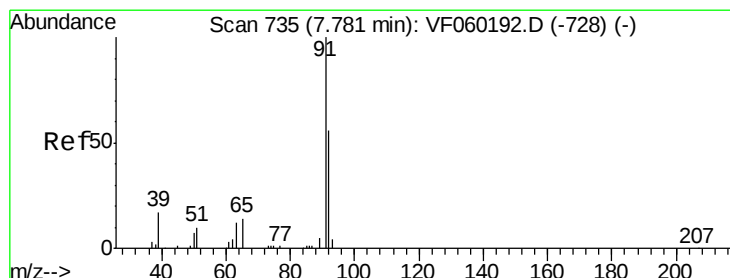
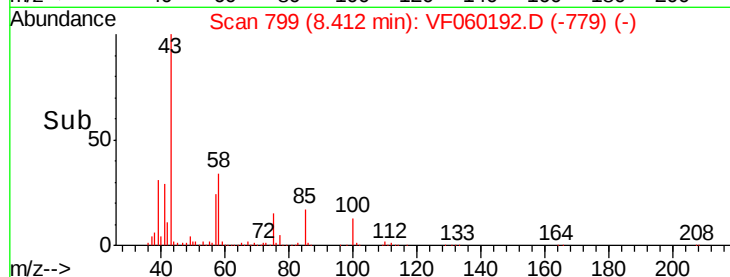


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 52.35 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF060192.D

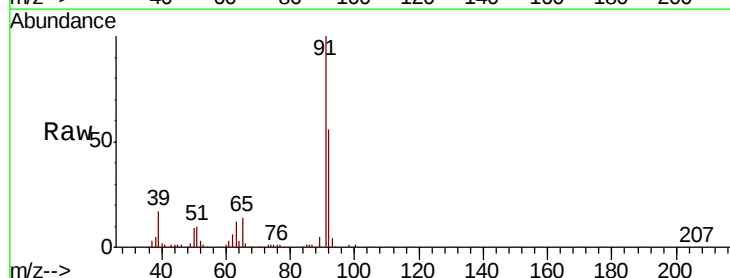
Acq: 29 Aug 2018 16:30

Tgt Ion: 92 Resp: 179955

Ion Ratio Lower Upper

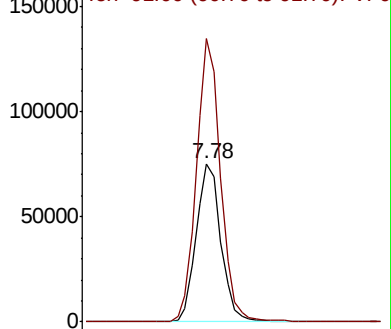
92 100

91 179.0 143.2 214.8

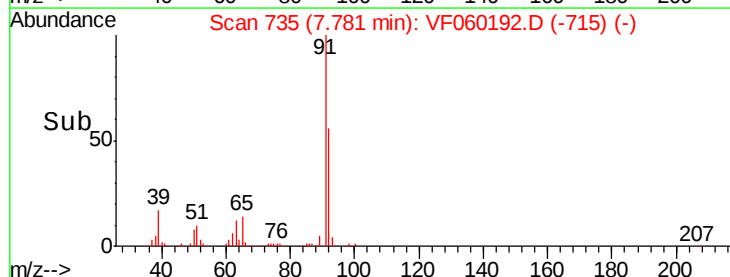


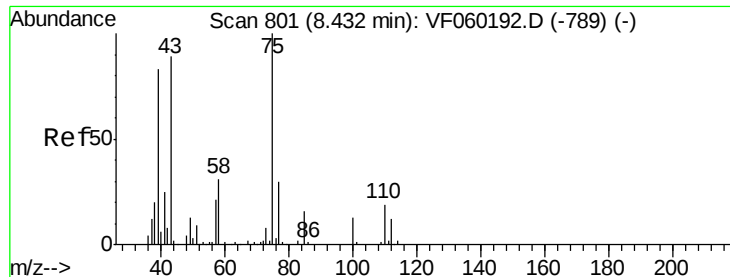
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#53

t-1,3-Dichloropropene

Concen: 108.94 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 150520

Ion Ratio Lower Upper

75 100

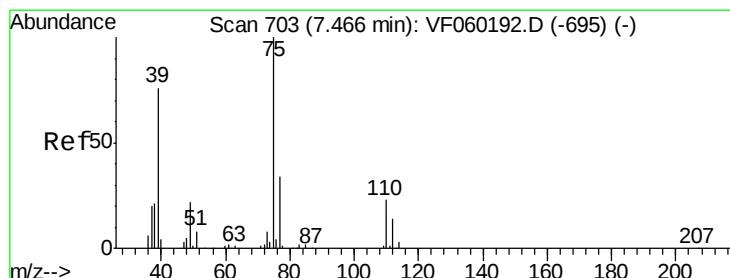
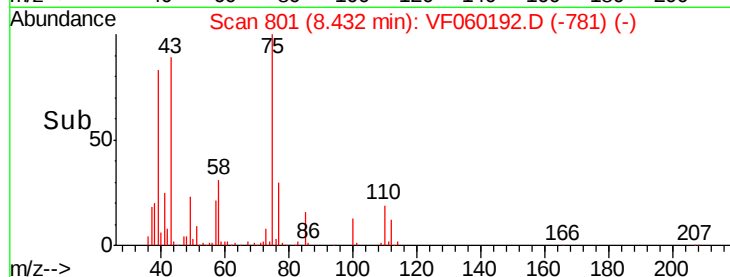
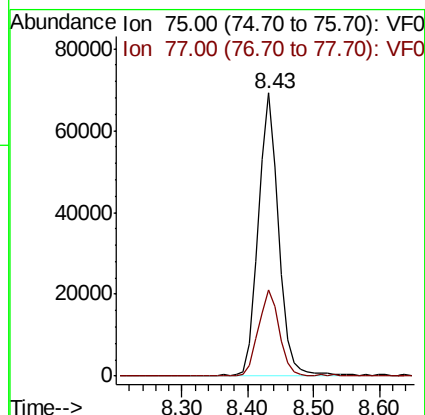
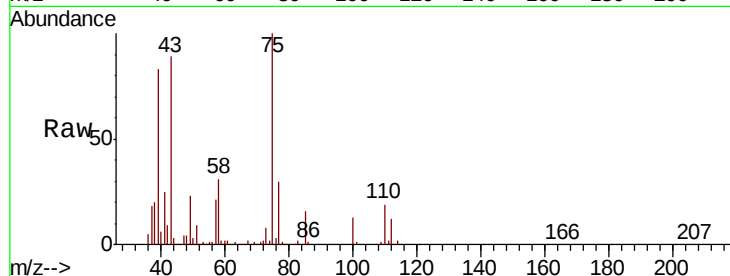
77 30.3 24.2 36.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 92.95 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

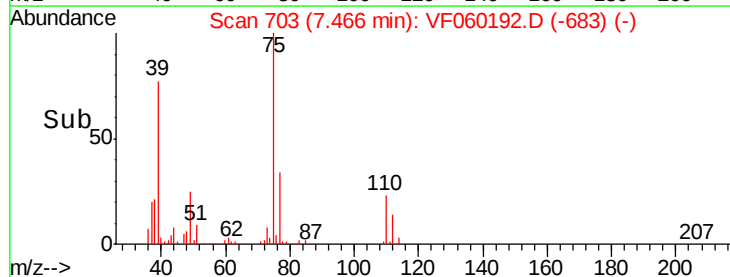
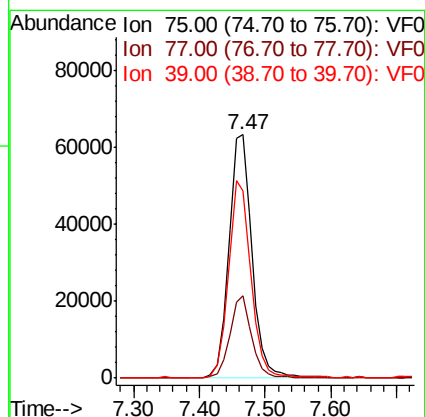
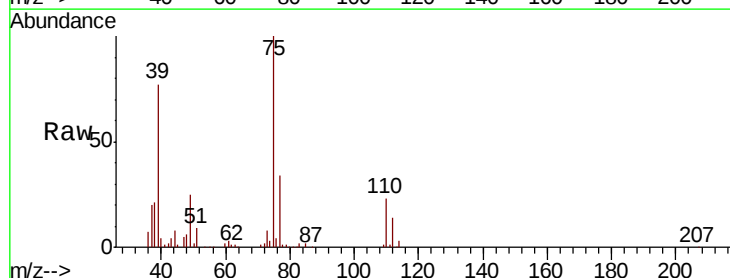
Tgt Ion: 75 Resp: 155669

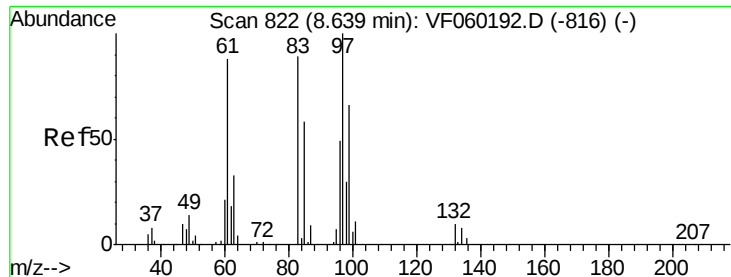
Ion Ratio Lower Upper

75 100

77 33.7 27.0 40.4

39 76.7 61.4 92.0





#55

1,1,2-Trichloroethane

Concen: 100.23 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

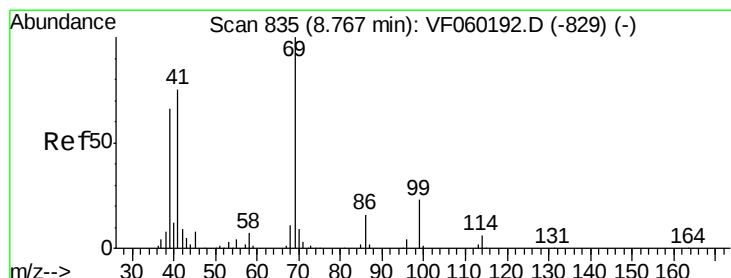
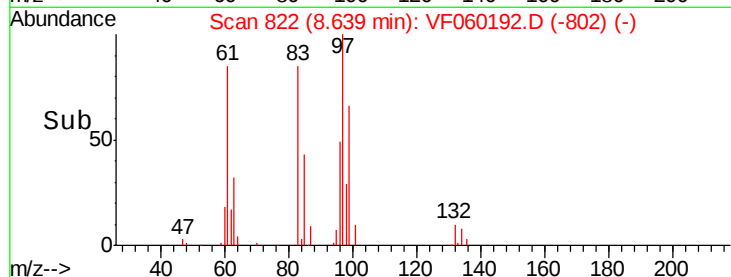
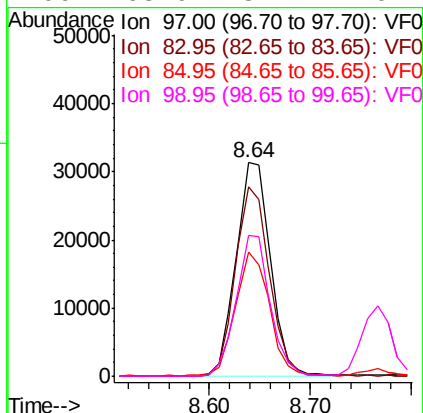
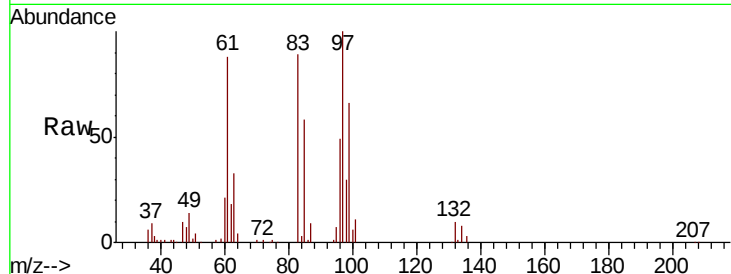
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	74813
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	58.3	46.6	70.0
99	65.9	52.7	79.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 127.55 ug/l

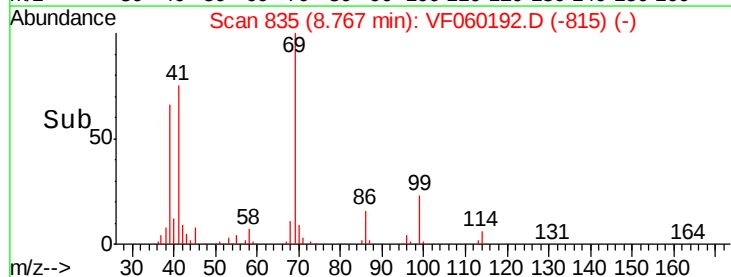
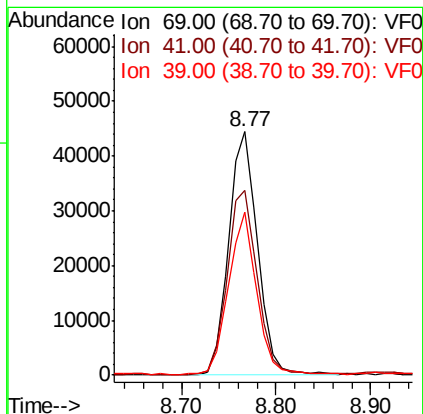
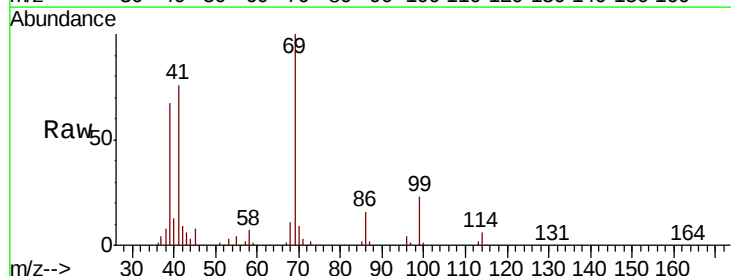
RT: 8.77 min Scan# 835

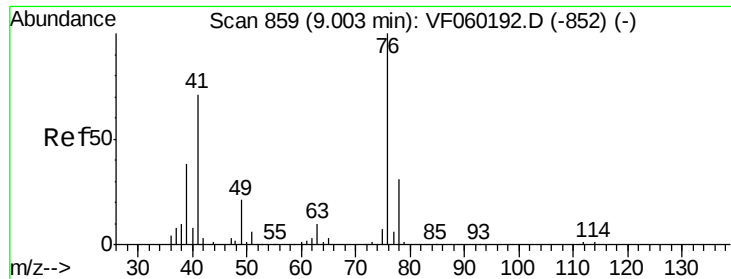
Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion:	69	Resp:	93751
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.6	90.8
39	66.8	53.4	80.2





#57

1,3-Dichloropropane

Concen: 102.99 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 133555

Ion Ratio Lower Upper

76 100

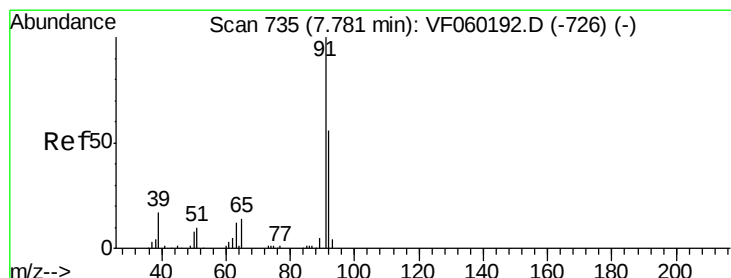
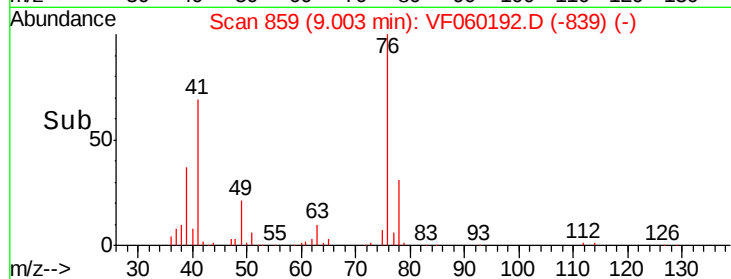
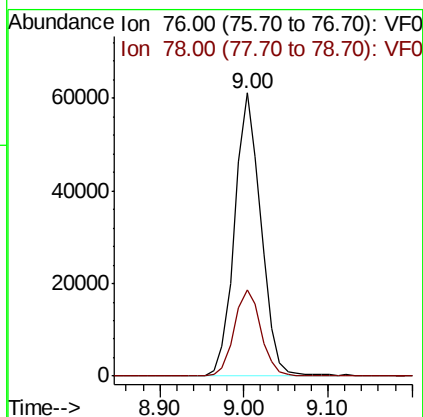
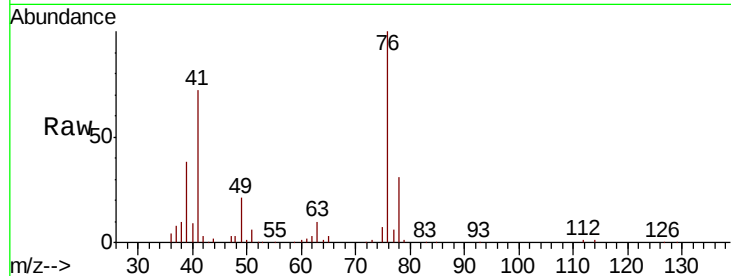
78 30.6 24.5 36.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 277.21 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF060192.D

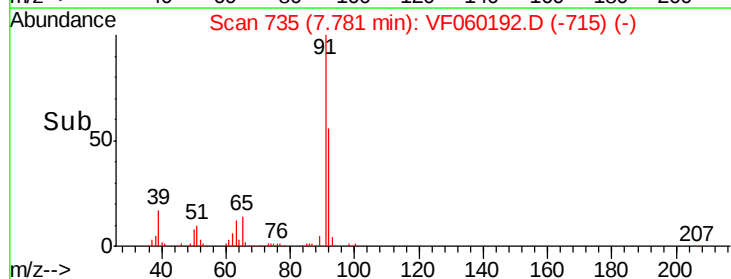
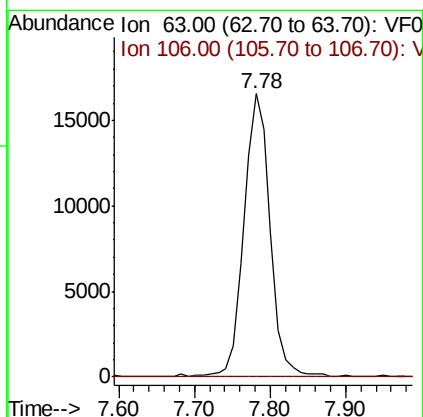
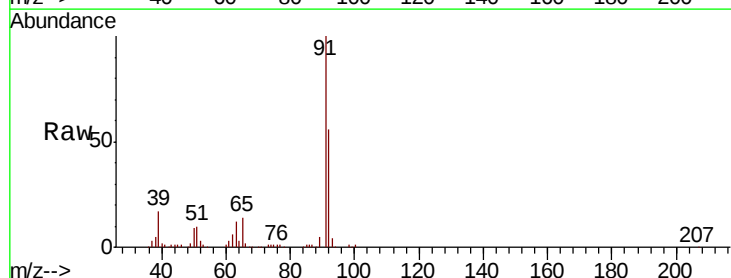
Acq: 29 Aug 2018 16:30

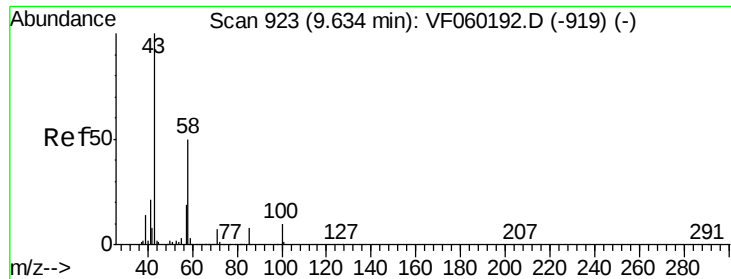
Tgt Ion: 63 Resp: 39601

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





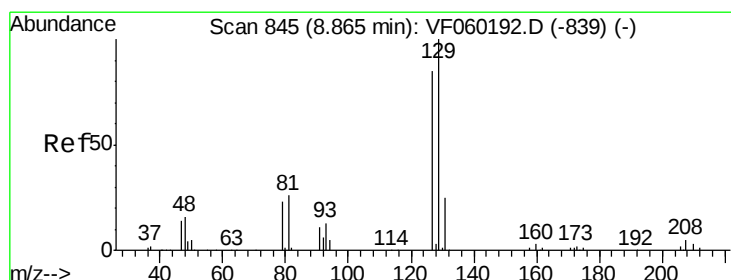
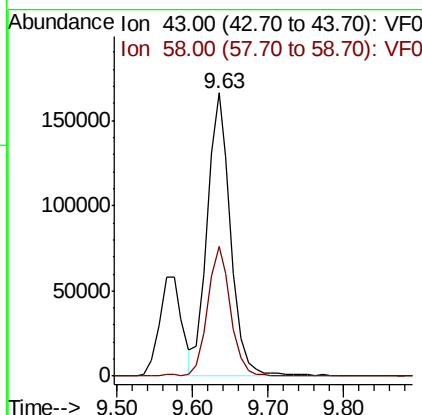
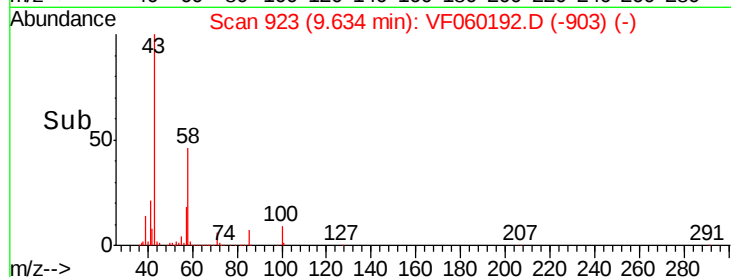
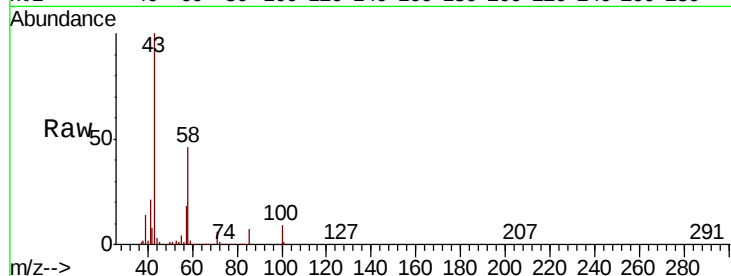
#59
2-Hexanone
Concen: 714.56 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.0	23.0	69.0

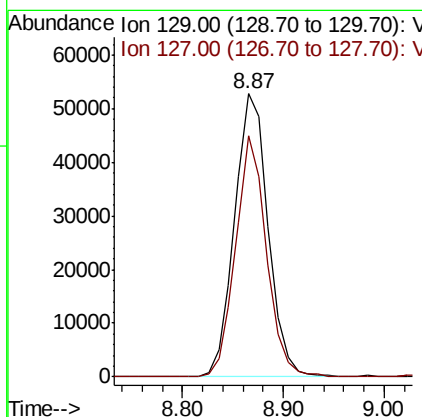
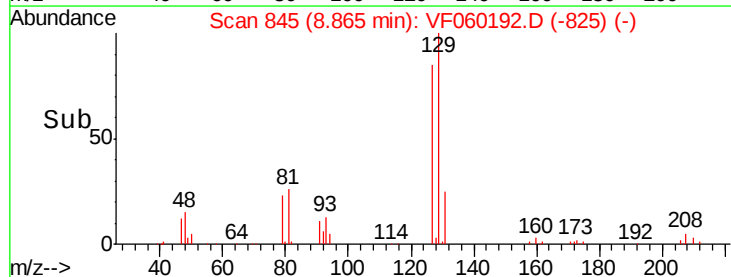
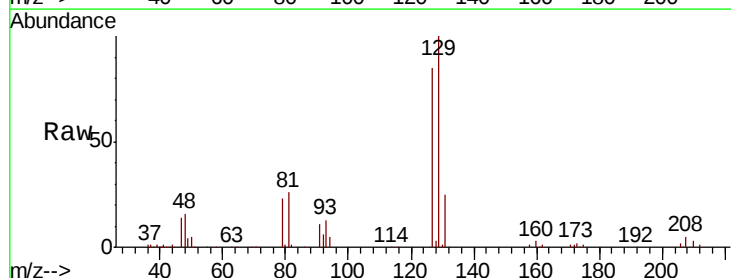
Manual Integrations
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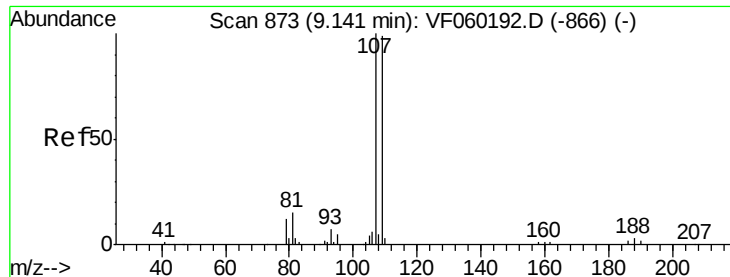
apatel
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#60
Dibromochloromethane
Concen: 100.61 ug/l
RT: 8.87 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	85.0	42.5	127.5





#61

1,2-Dibromoethane

Concen: 114.90 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 94183

Ion Ratio Lower Upper

107 100

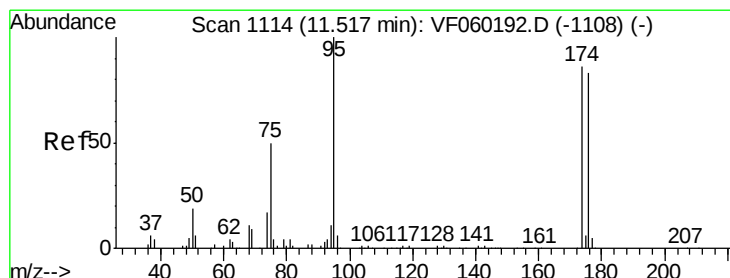
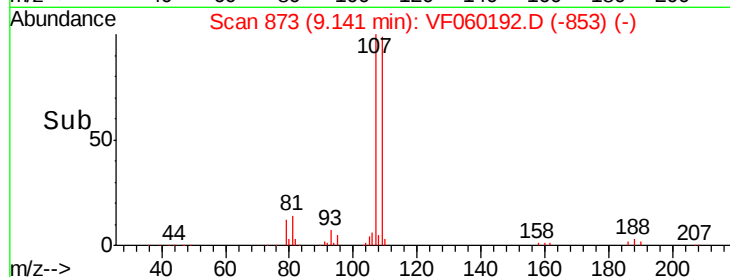
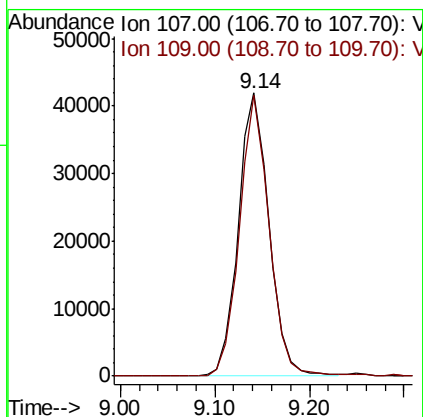
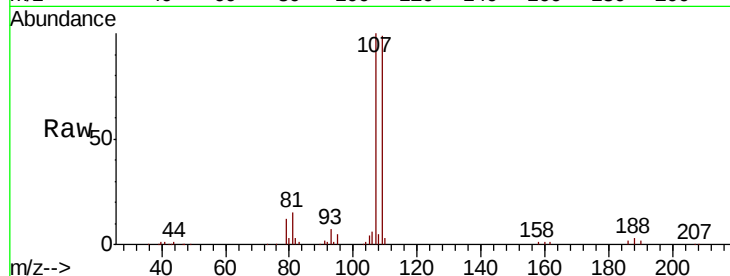
109 99.4 79.5 119.3

Manual Integrations

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apatel

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#62

4-Bromofluorobenzene

Concen: 76.13 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

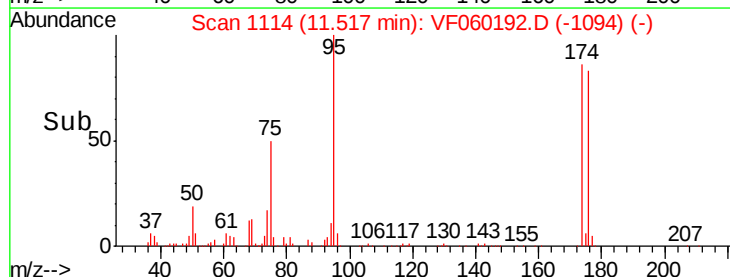
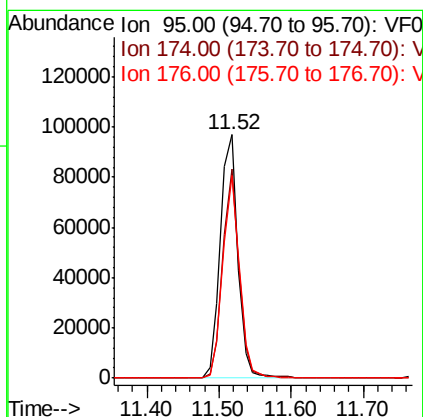
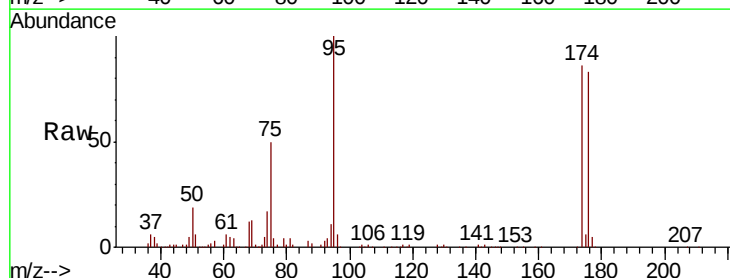
Tgt Ion: 95 Resp: 163712

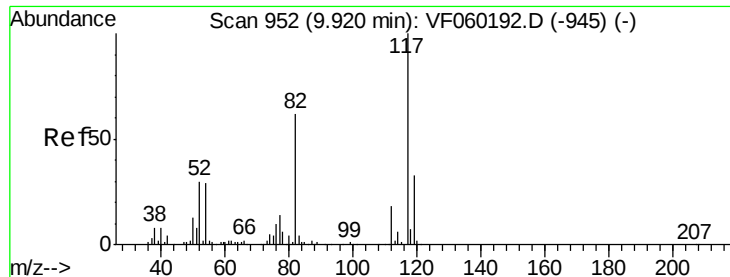
Ion Ratio Lower Upper

95 100

174 85.6 0.0 171.2

176 83.5 0.0 167.0





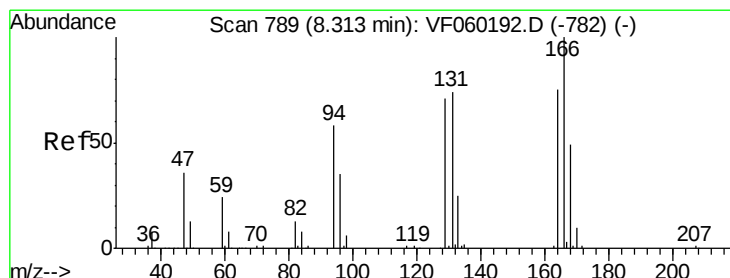
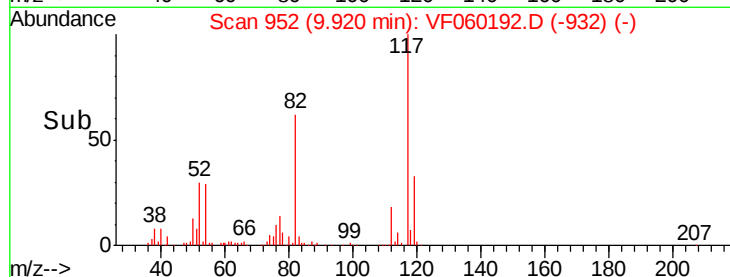
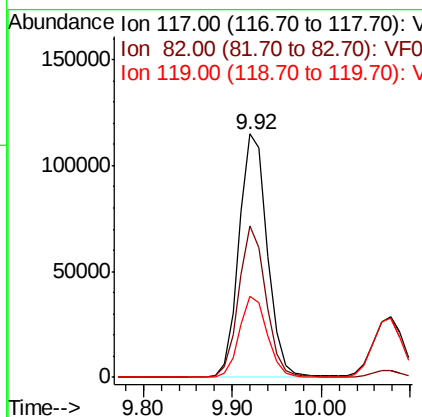
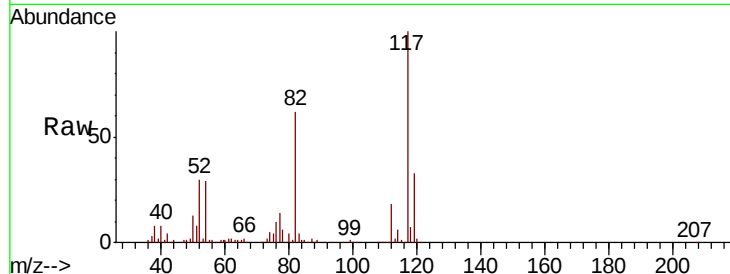
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	253819		
82	62.4		49.9	74.9
119	33.1		26.5	39.7

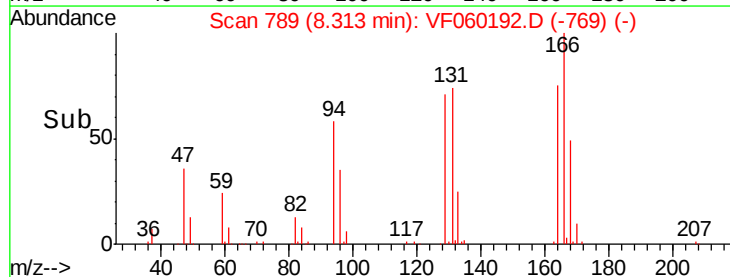
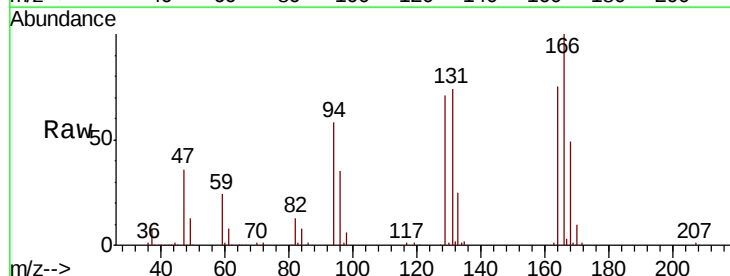
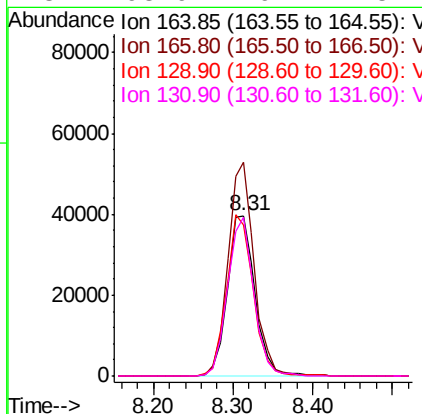
Manual Integrations
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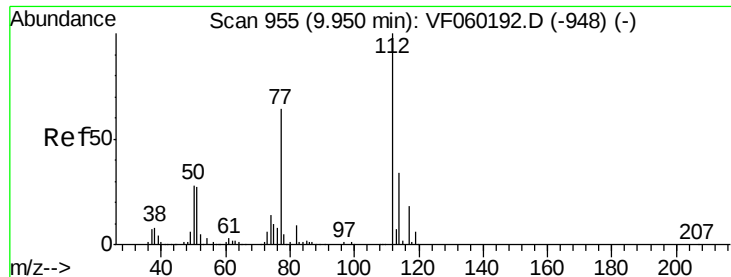
apatel
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#64
Tetrachloroethene
Concen: 32.79 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	95593		
166	133.3		106.6	160.0
129	94.2		75.4	113.0
131	98.9		79.1	118.7





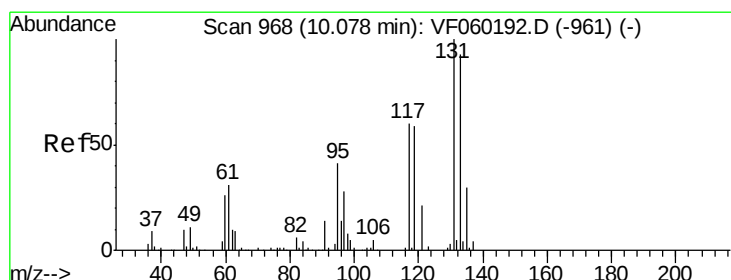
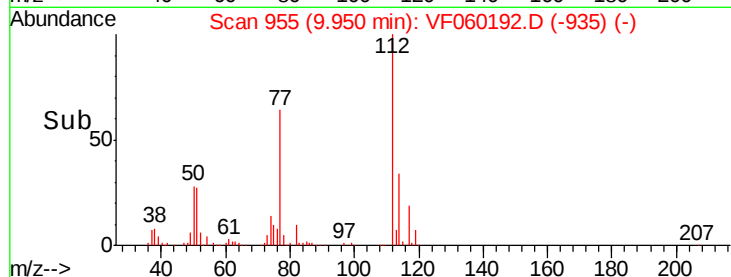
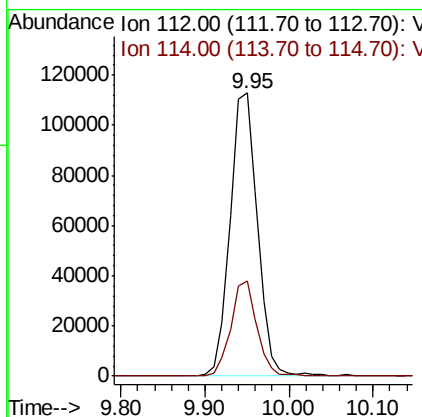
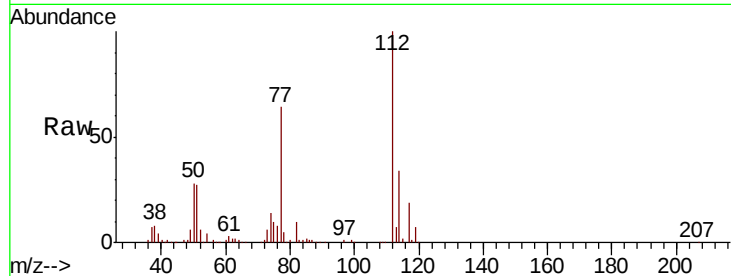
#65
Chlorobenzene
Concen: 50.03 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	255893		
114	33.5	26.8	40.2	

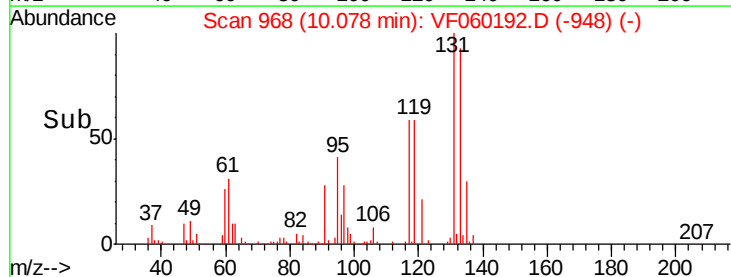
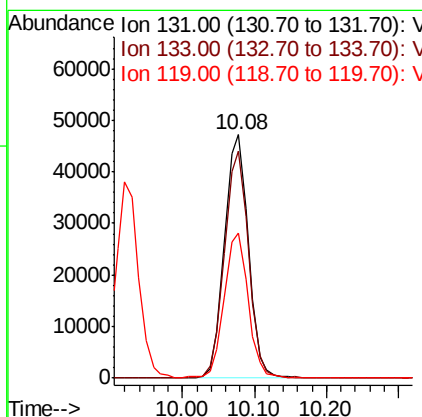
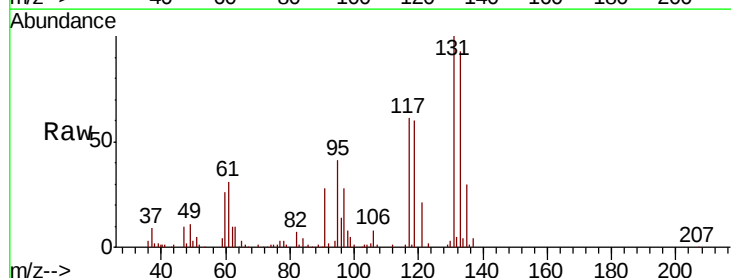
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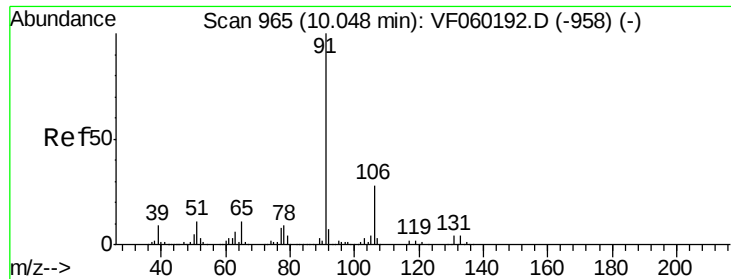
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#66
1,1,1,2-Tetrachloroethane
Concen: 61.21 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	108810		
133	93.1	46.6	139.7	
119	59.8	29.9	89.7	





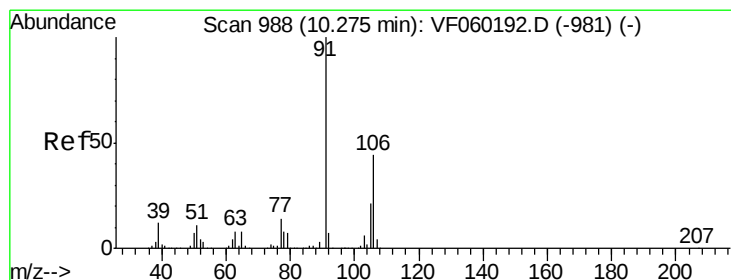
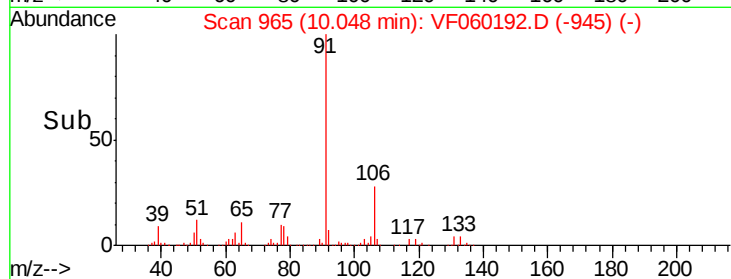
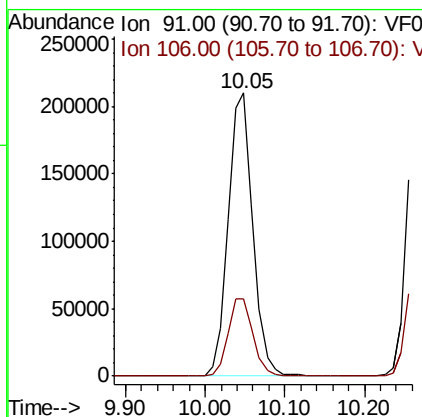
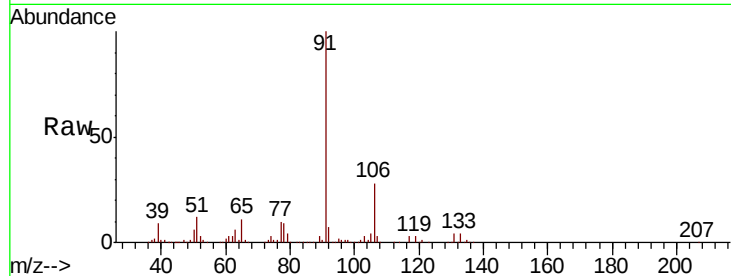
#67
Ethyl Benzene
Concen: 41.19 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 455887
Ion Ratio Lower Upper
91 100
106 27.5 22.0 33.0

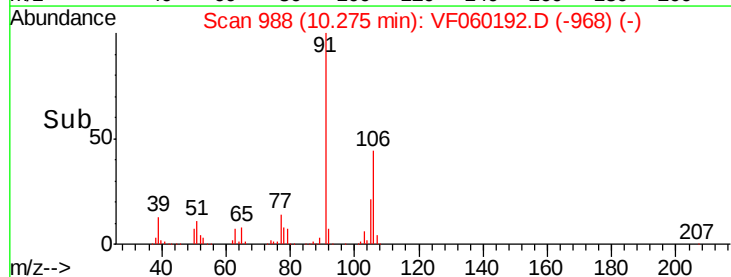
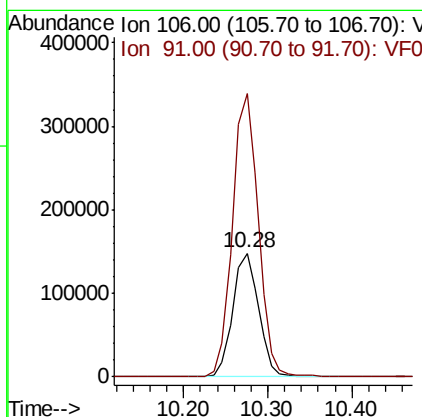
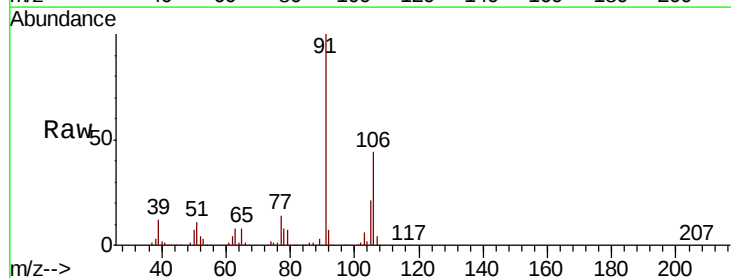
Manual Integrations
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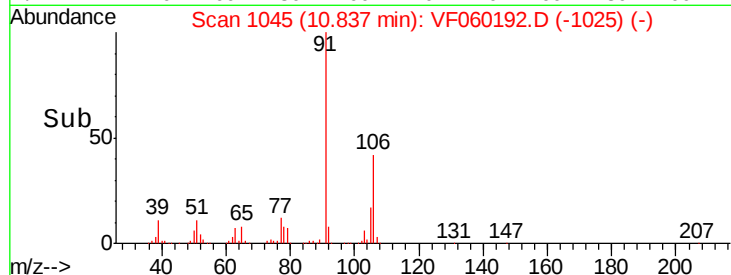
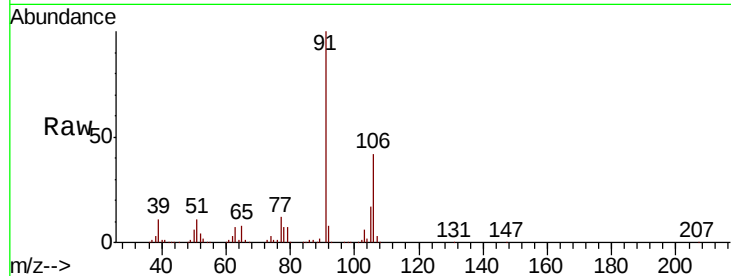
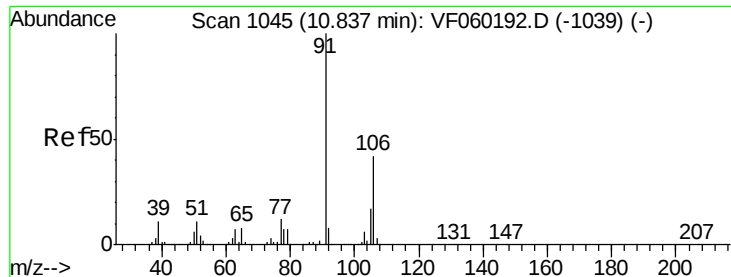
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#68
m/p-Xylenes
Concen: 85.72 ug/l
RT: 10.28 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion: 106 Resp: 316993
Ion Ratio Lower Upper
106 100
91 229.2 183.4 275.0





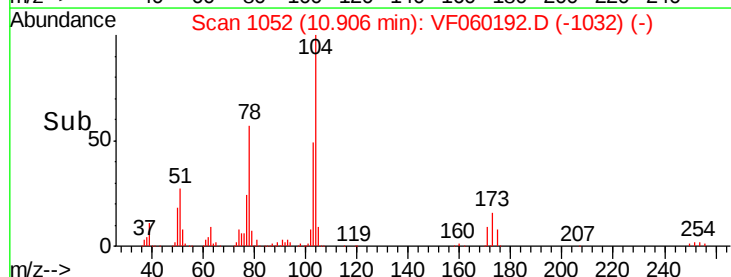
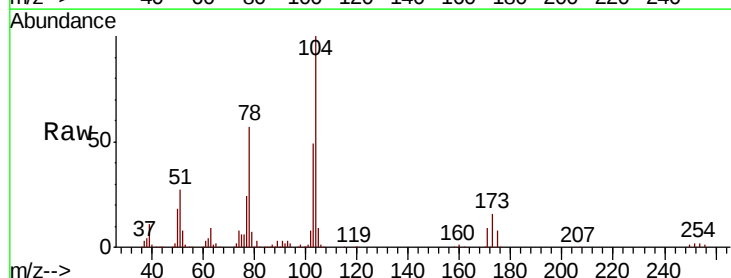
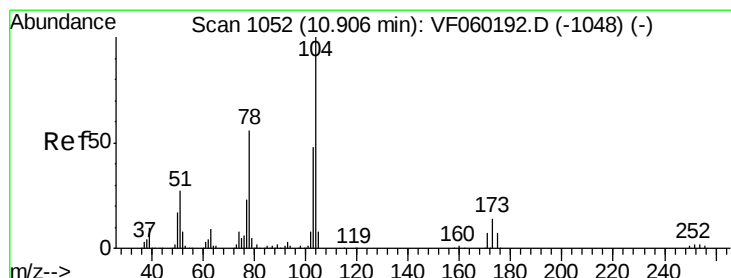
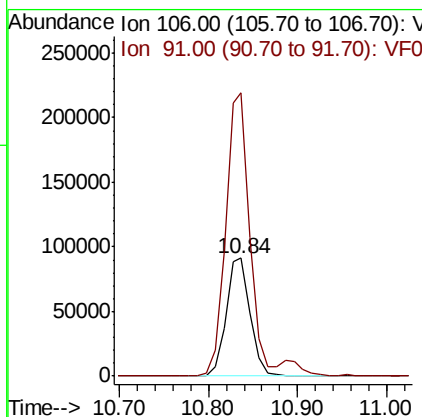
#69
o-Xylene
Concen: 51.45 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tot Ion	Ratio	Lower	Upper
106	100		
91	240.4	120.2	360.6

Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

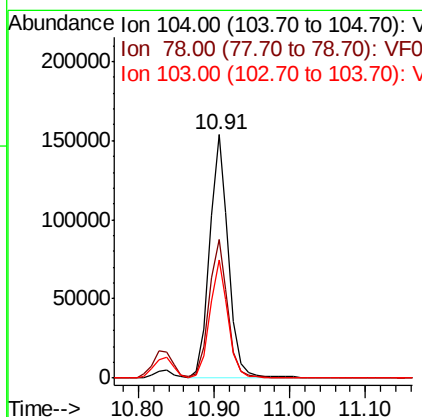
Manual Integrations
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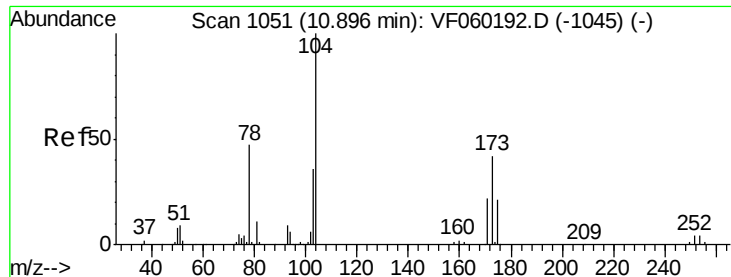
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#70
Styrene
Concen: 61.16 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.7	45.4	68.0
103	48.6	38.9	58.3





#71

Bromoform

Concen: 103.93 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 78168

Ion Ratio Lower Upper

173 100

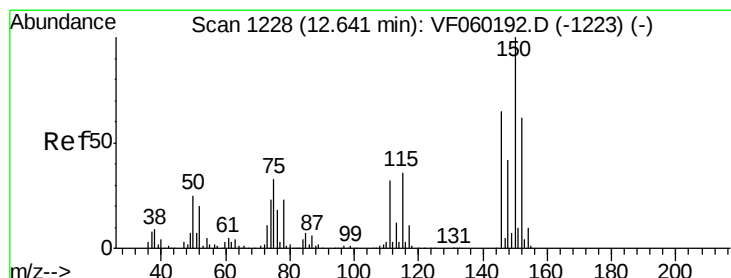
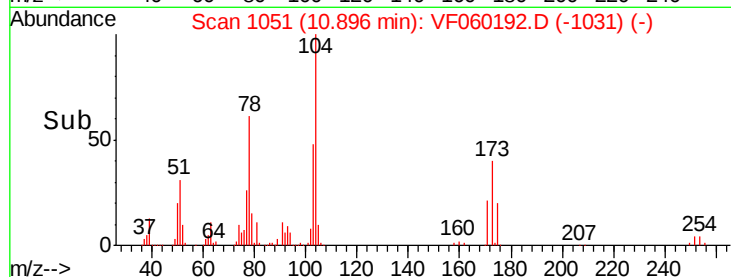
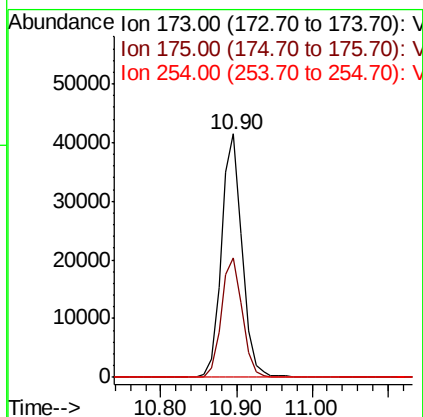
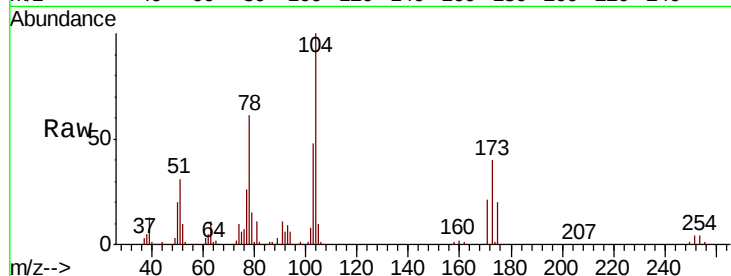
175 49.5 24.8 74.3

254 0.0 0.0 0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

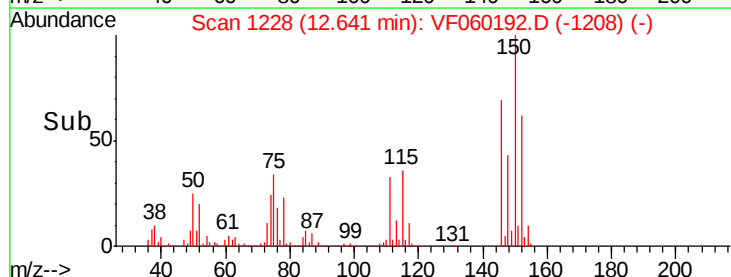
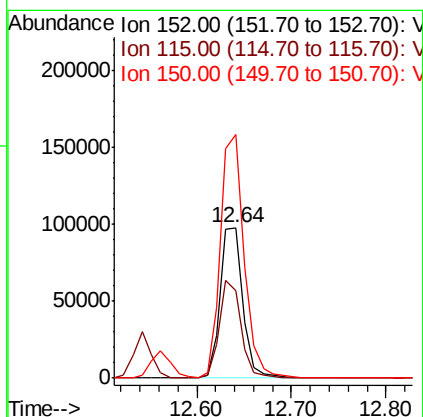
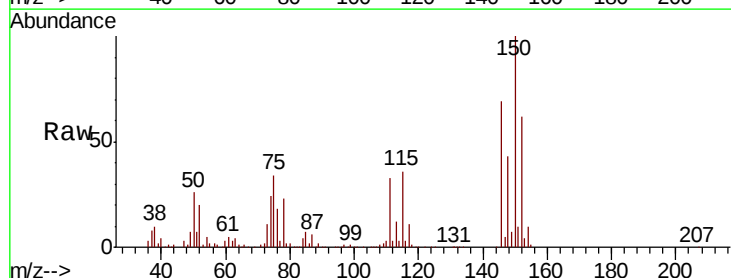
Tgt Ion:152 Resp: 162315

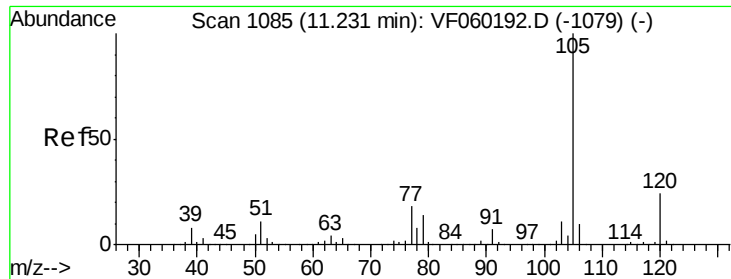
Ion Ratio Lower Upper

152 100

115 57.9 28.9 86.8

150 161.6 0.0 323.2





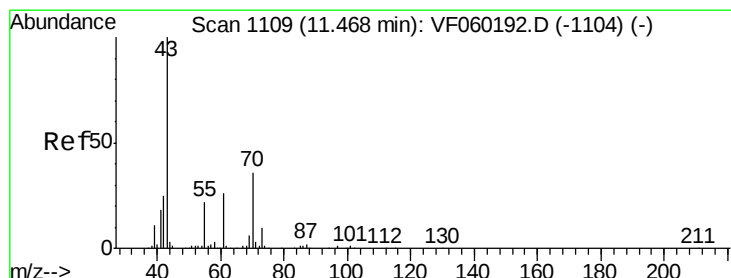
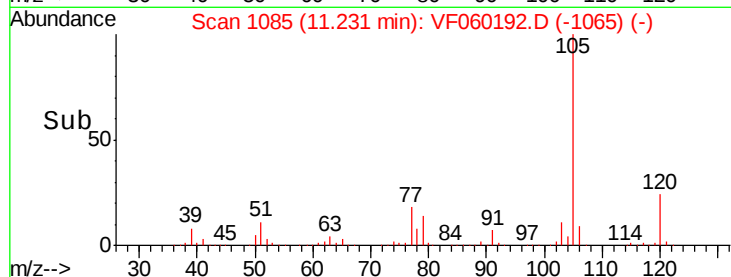
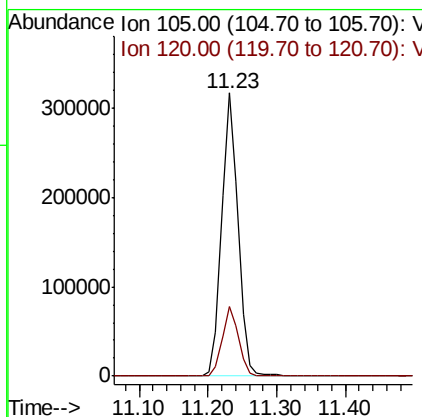
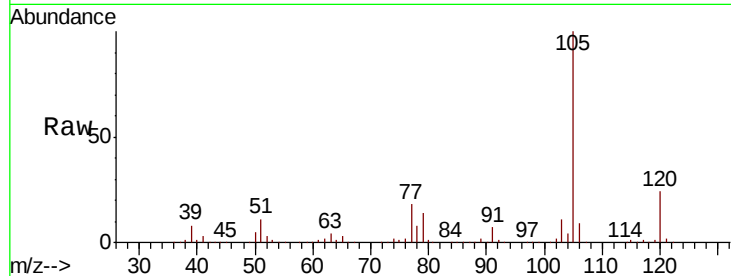
#73
Isopropylbenzene
Concen: 32.00 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.5	12.3	36.8

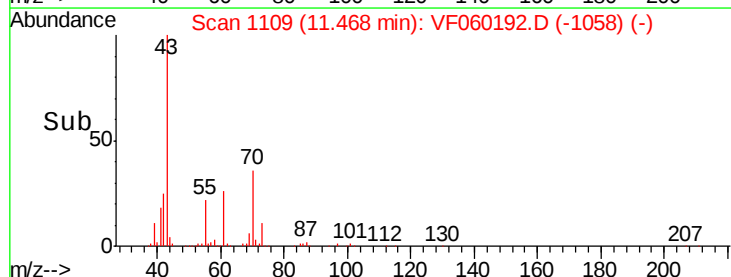
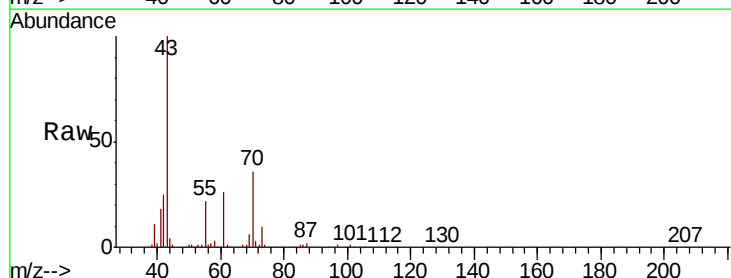
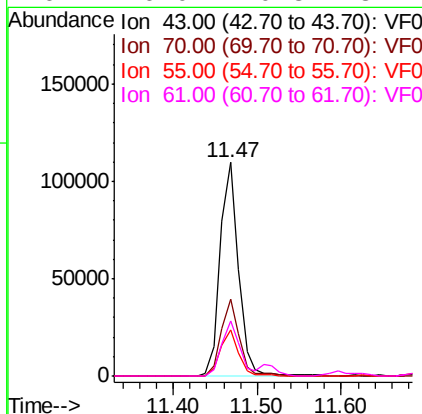
Manual Integrations
APPROVED

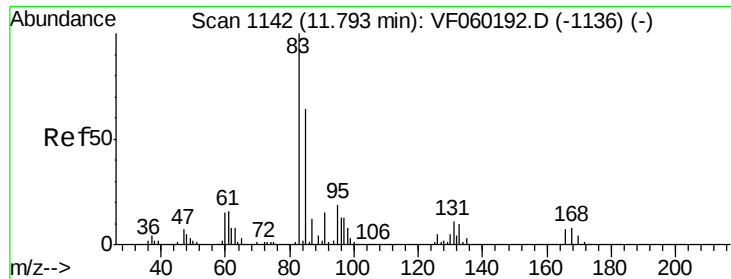
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#74
N-ethyl acetate
Concen: 98.76 ug/l
RT: 11.47 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.8	28.6	43.0
55	21.8	17.4	26.2
61	26.0	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 80.39 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

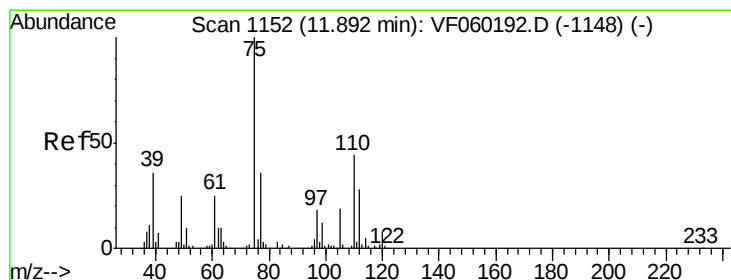
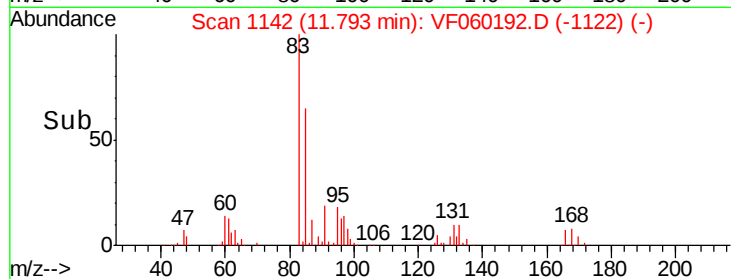
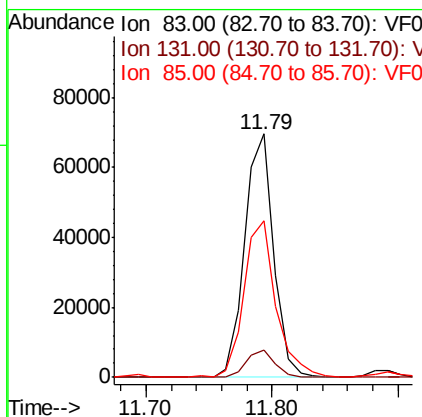
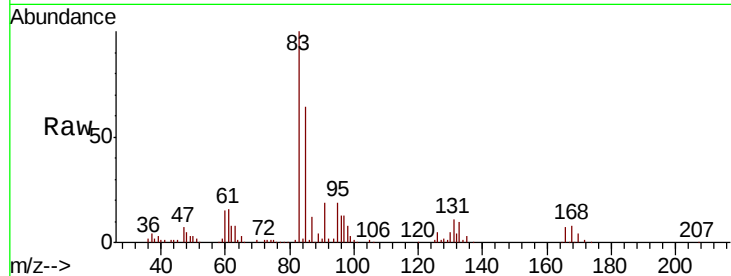
VSTDICCC050

Tot Ion: 83 Resp: 110852
Ion Ratio Lower Upper

83	100		
131	11.0	5.5	16.5
85	64.4	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 80.92 ug/l

RT: 11.89 min Scan# 1152

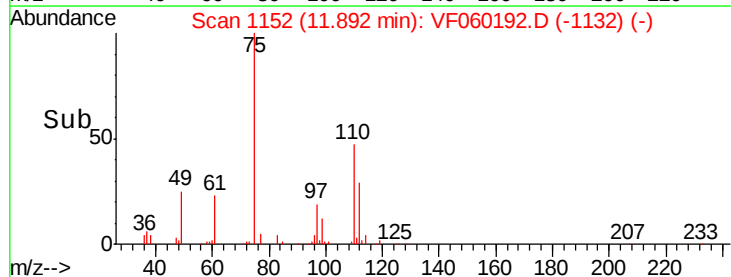
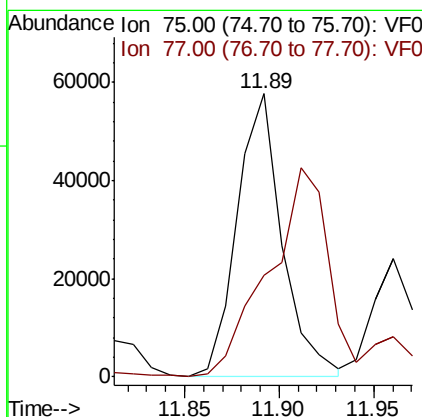
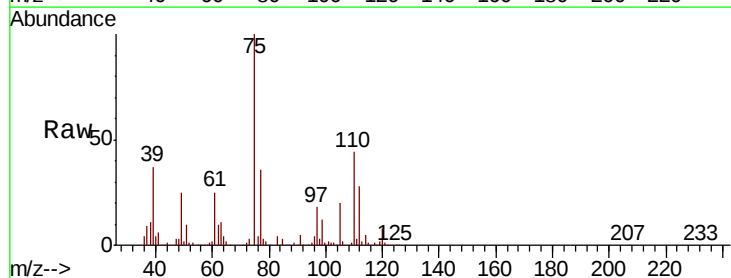
Delta R.T. 0.00 min

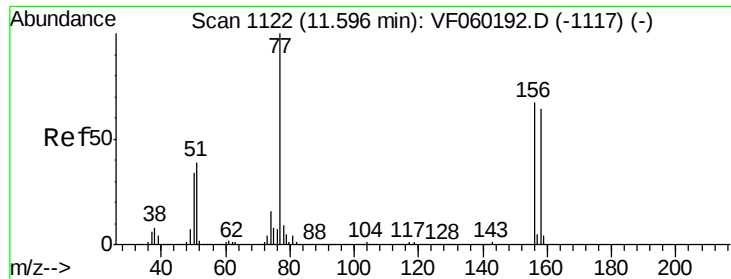
Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion: 75 Resp: 94506
Ion Ratio Lower Upper

75	100		
77	35.9	17.9	53.8





#77

Bromobenzene

Concen: 53.56 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

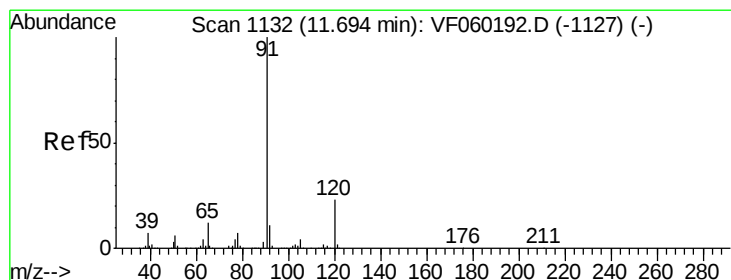
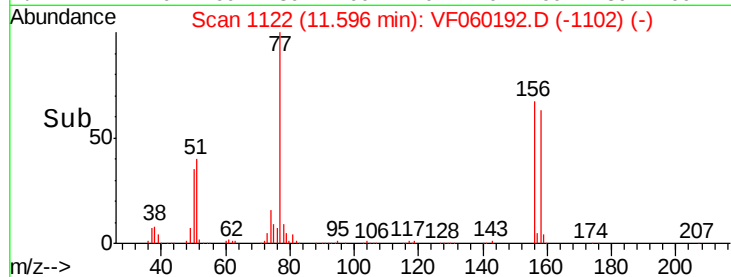
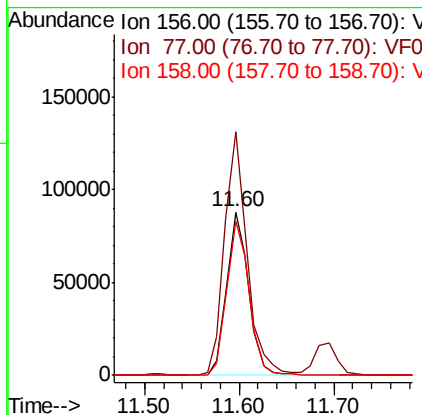
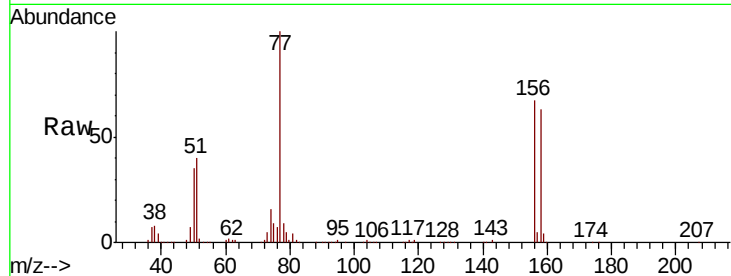
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.0	74.5	223.5
158	94.5	47.3	141.8

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#78

n-propylbenzene

Concen: 31.96 ug/l

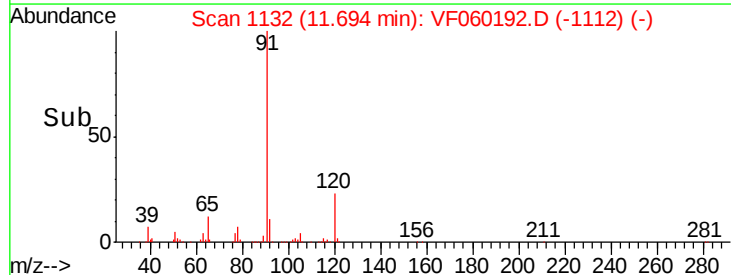
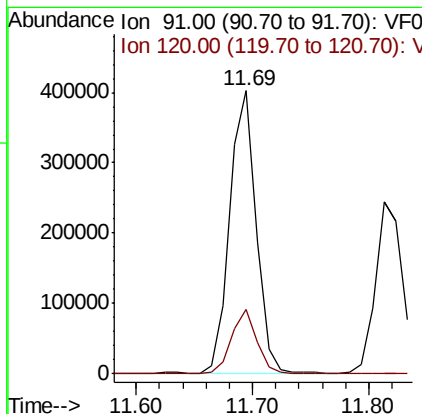
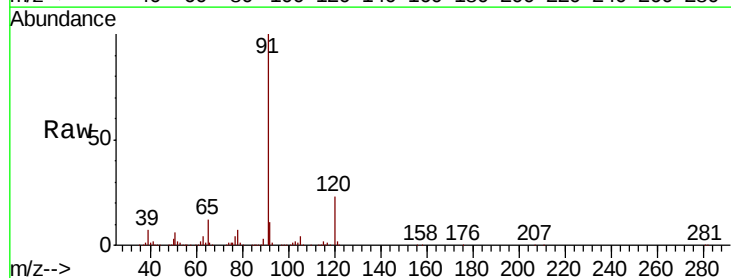
RT: 11.69 min Scan# 1132

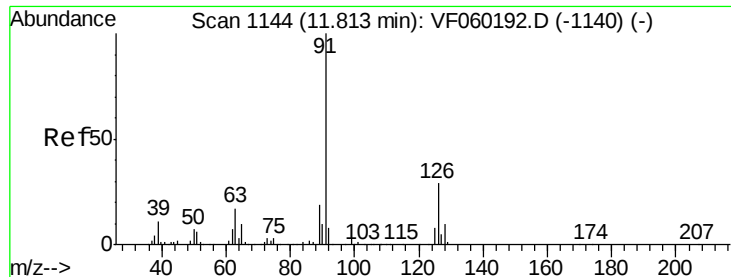
Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 40.85 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 390010

Ion Ratio Lower Upper

91 100

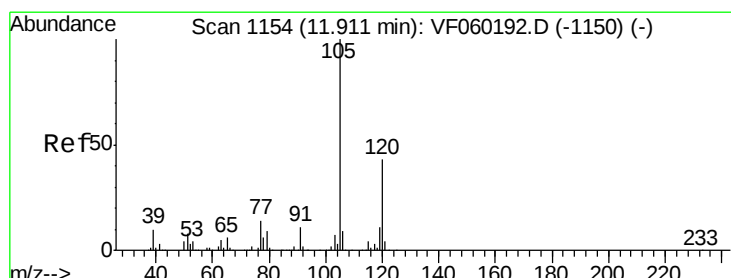
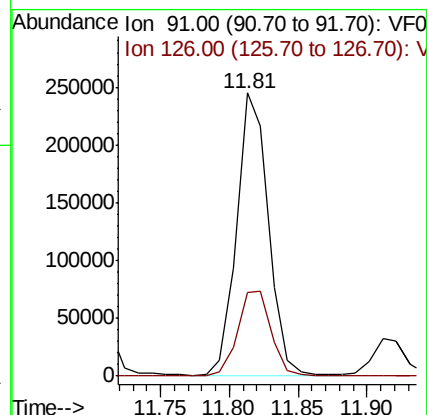
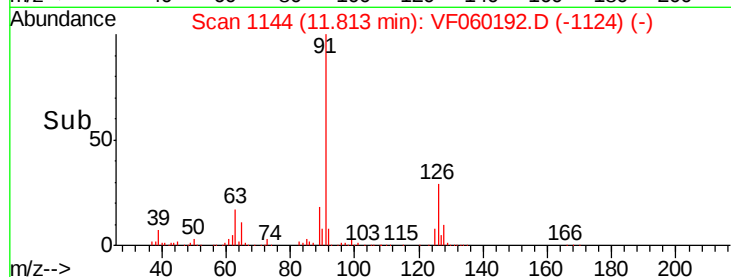
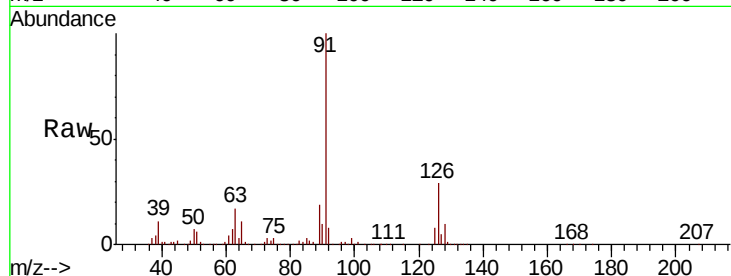
126 29.4 14.7 44.1

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#80

1,3,5-Trimethylbenzene

Concen: 35.89 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF060192.D

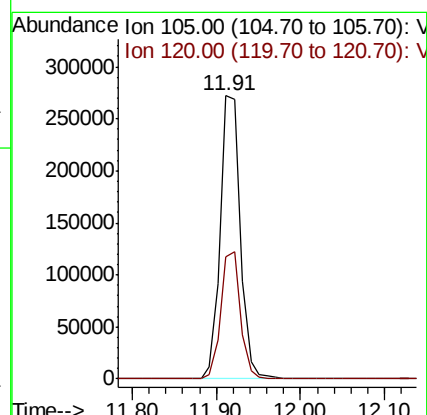
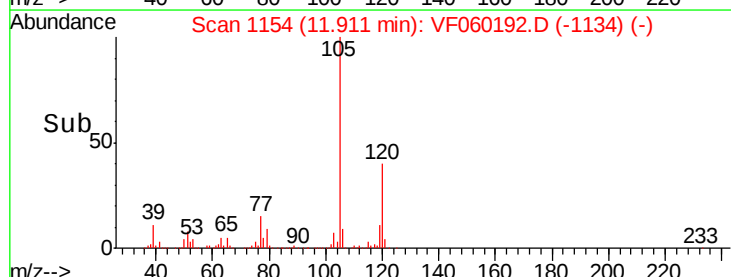
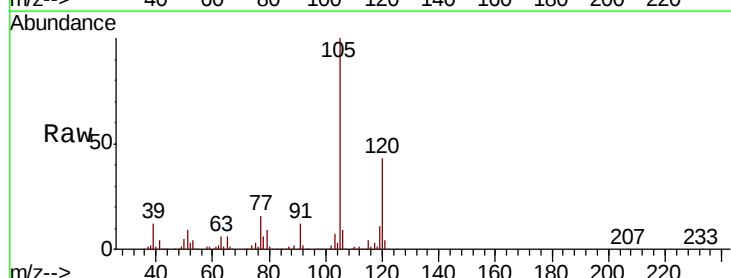
Acq: 29 Aug 2018 16:30

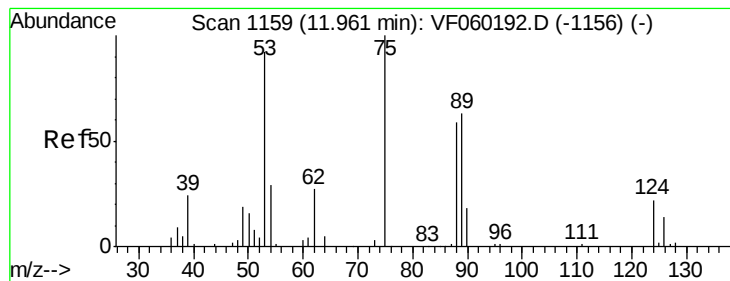
Tgt Ion: 105 Resp: 454379

Ion Ratio Lower Upper

105 100

120 43.0 21.5 64.5





#81

trans-1,4-Dichloro-2-butene

Concen: 111.41 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 38345

Ion Ratio Lower Upper

75 100

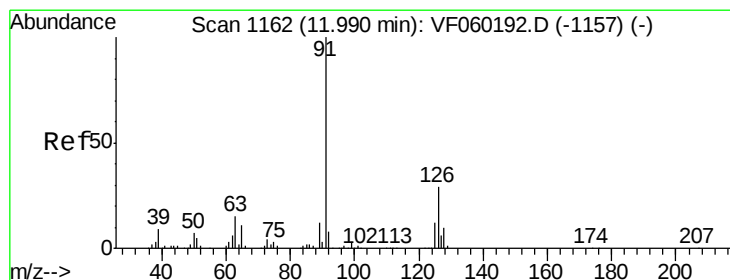
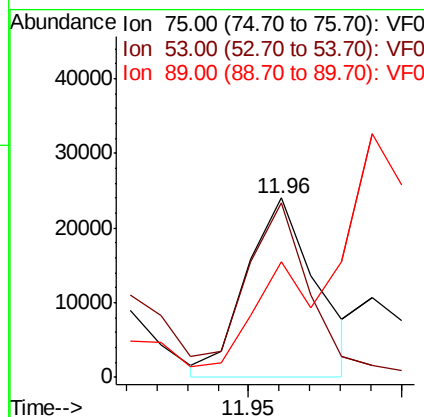
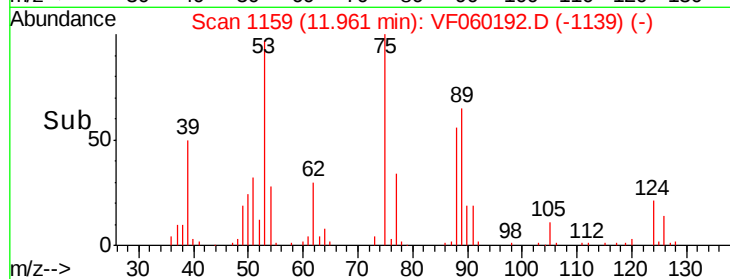
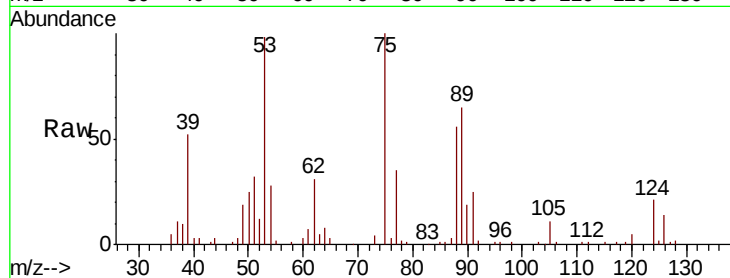
53 97.5 78.0 117.0

89 64.7 51.8 77.6

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#82

4-Chlorotoluene

Concen: 44.15 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF060192.D

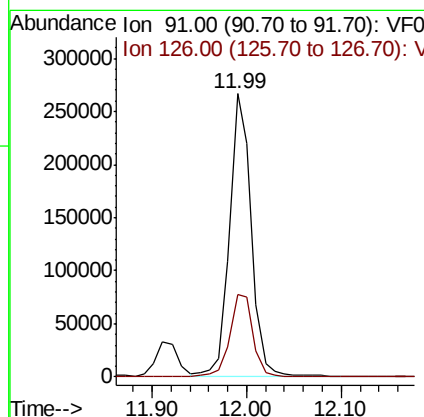
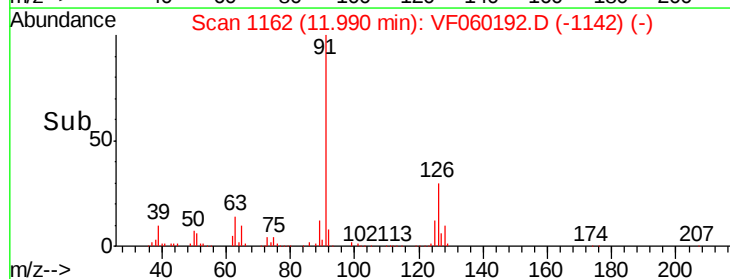
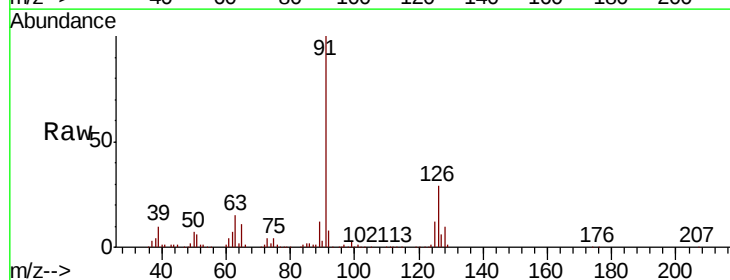
Acq: 29 Aug 2018 16:30

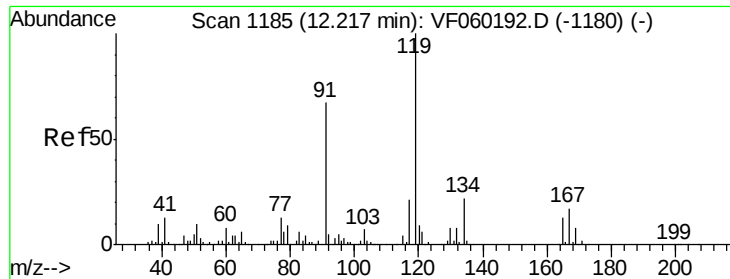
Tgt Ion: 91 Resp: 420208

Ion Ratio Lower Upper

91 100

126 29.3 14.6 44.0





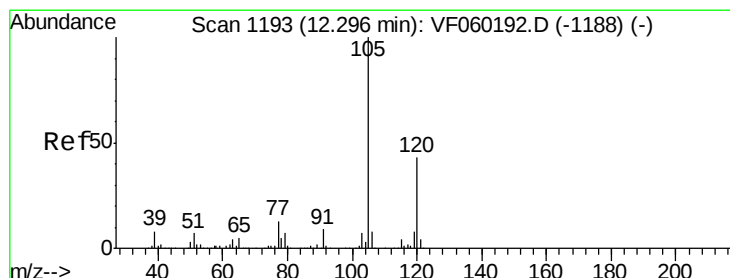
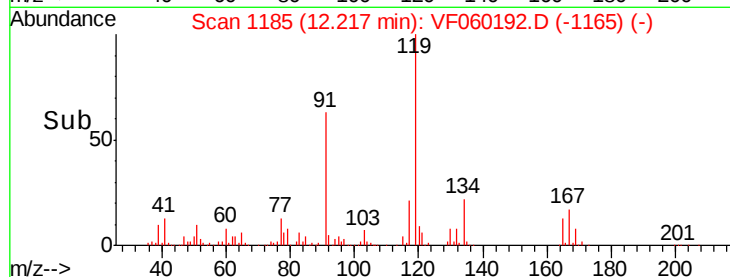
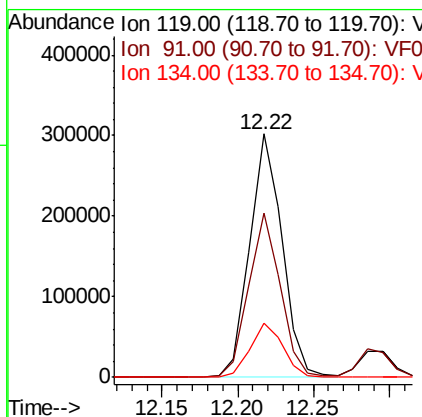
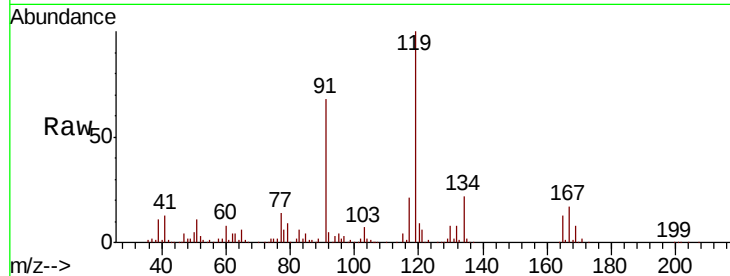
#83
 tert-Butylbenzene
 Concen: 34.18 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.8	101.4
134	22.2	11.1	33.3

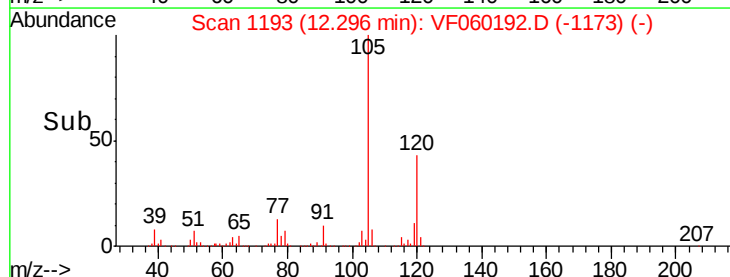
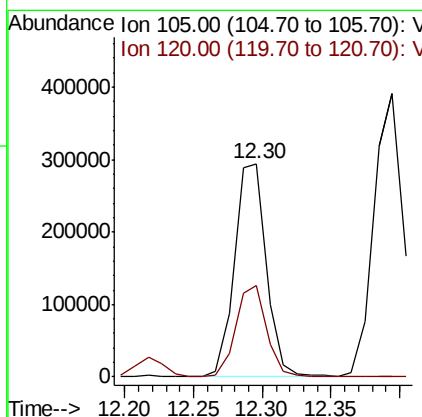
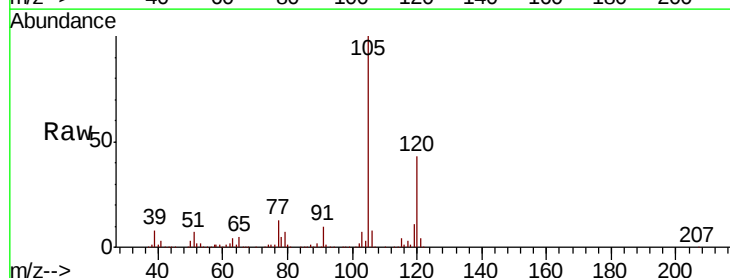
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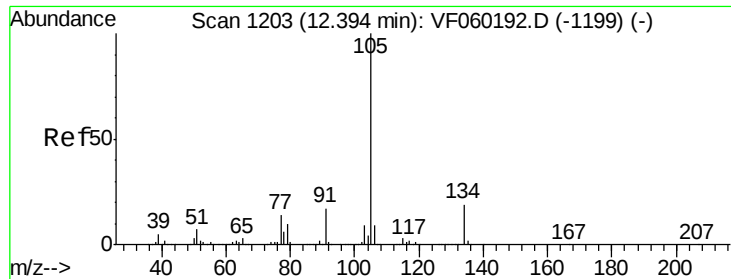
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#84
 1,2,4-Trimethylbenzene
 Concen: 43.15 ug/l
 RT: 12.30 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.6	64.6





#85

sec-Butylbenzene

Concen: 30.32 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 588843

Ion Ratio Lower Upper

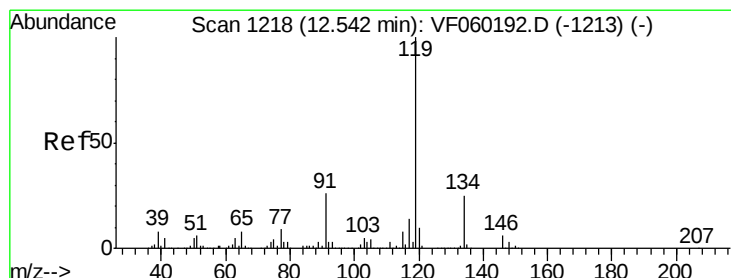
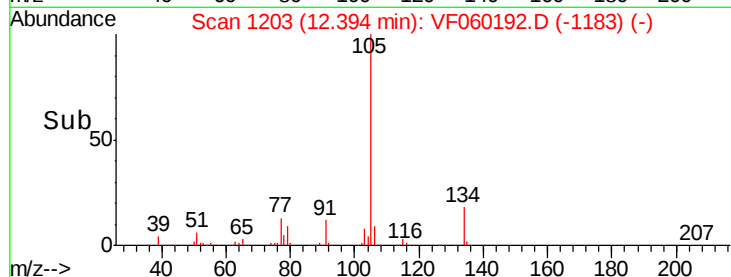
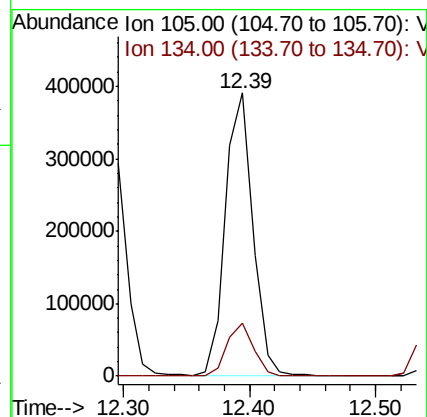
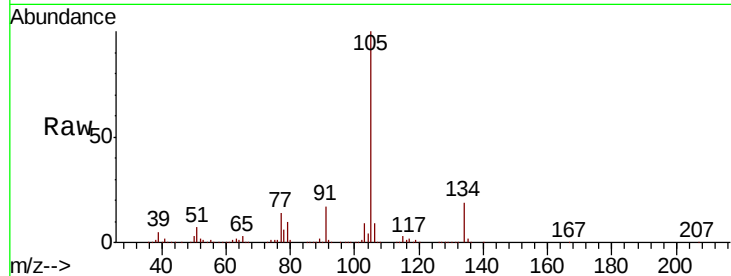
105 100

134 18.9 9.4 28.3

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#86

p-Isopropyltoluene

Concen: 35.31 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060192.D

Acq: 29 Aug 2018 16:30

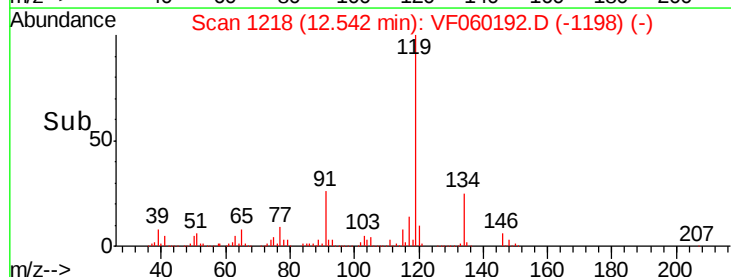
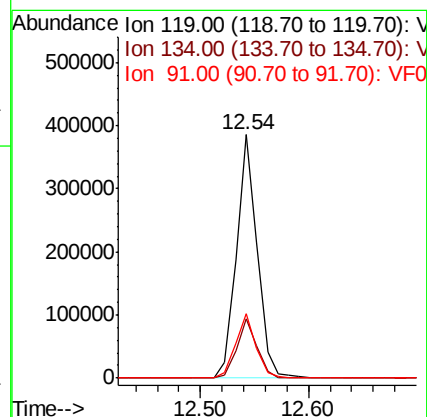
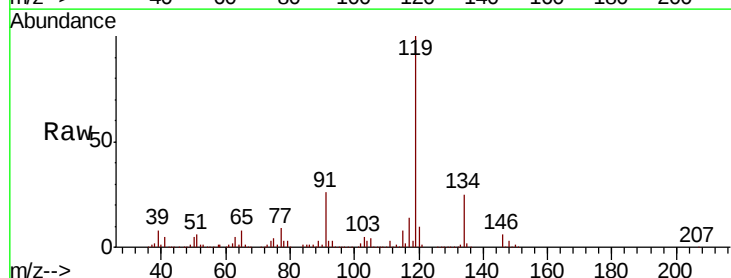
Tgt Ion:119 Resp: 514929

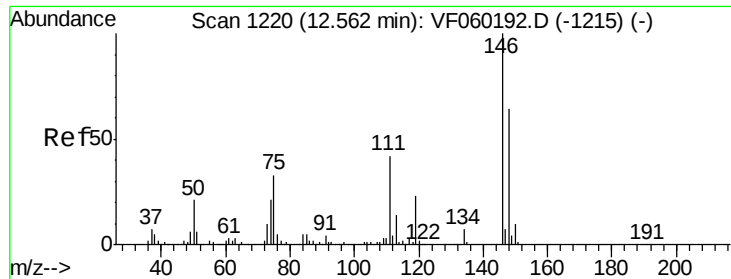
Ion Ratio Lower Upper

119 100

134 24.6 12.3 36.9

91 26.5 13.3 39.8





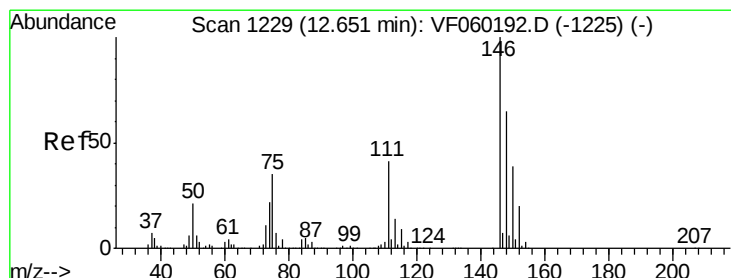
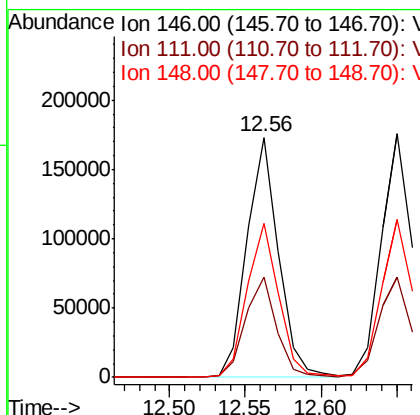
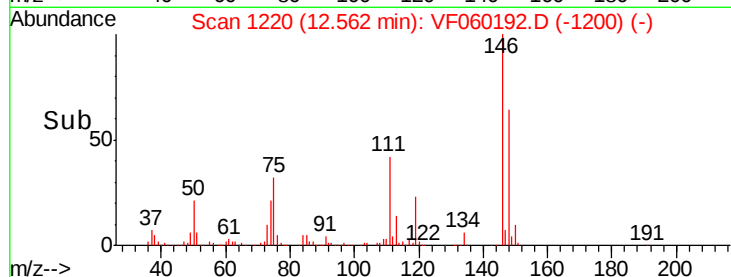
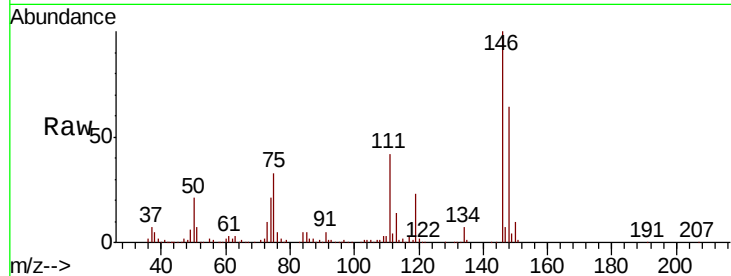
#87
 1,3-Dichlorobenzene
 Concen: 46.32 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	64.1	32.0	96.2

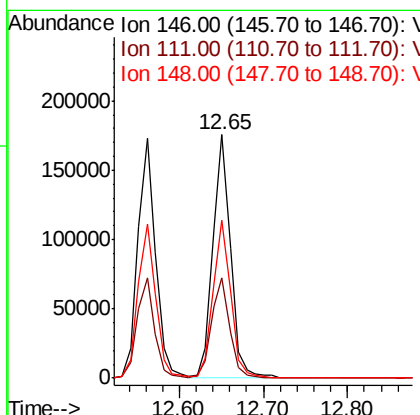
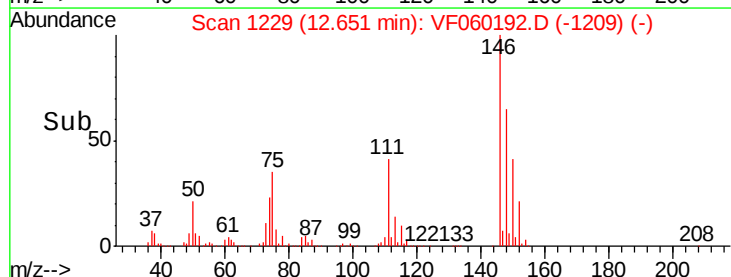
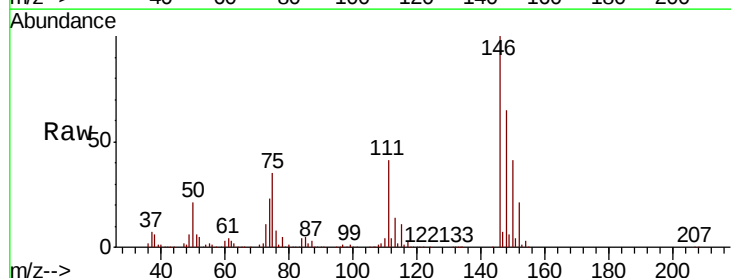
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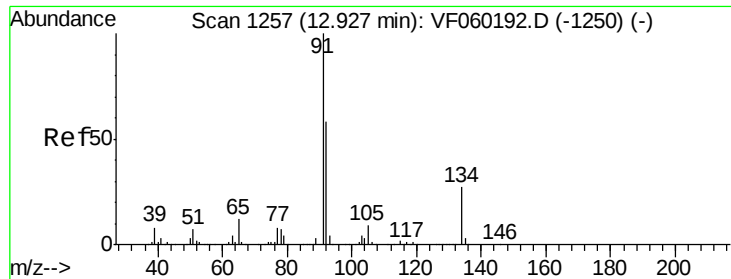
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#88
 1,4-Dichlorobenzene
 Concen: 51.10 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.7	32.4	97.0





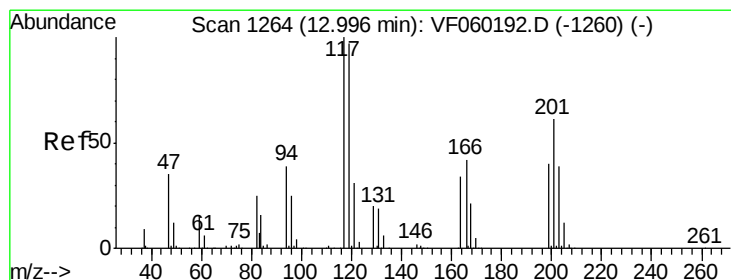
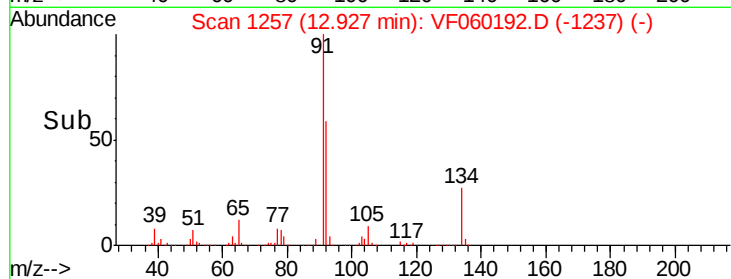
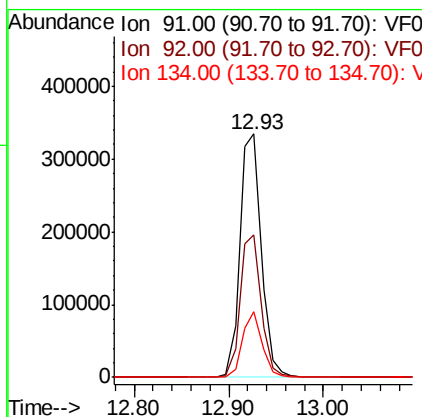
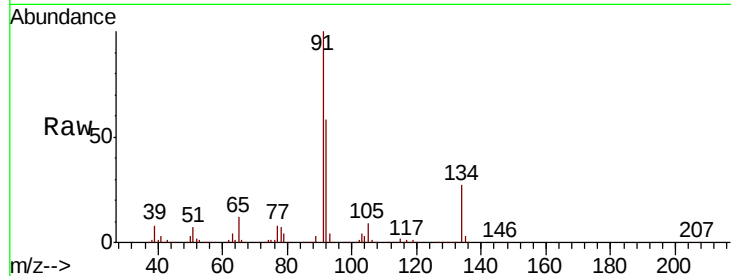
#89
n-Butylbenzene
Concen: 41.27 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.5	29.3	87.8
134	26.9	13.5	40.4

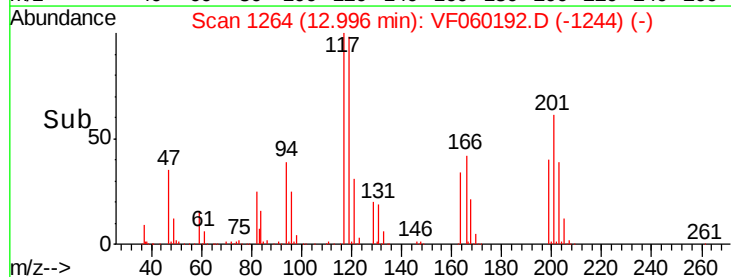
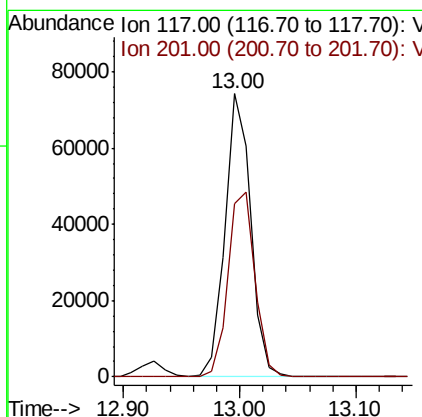
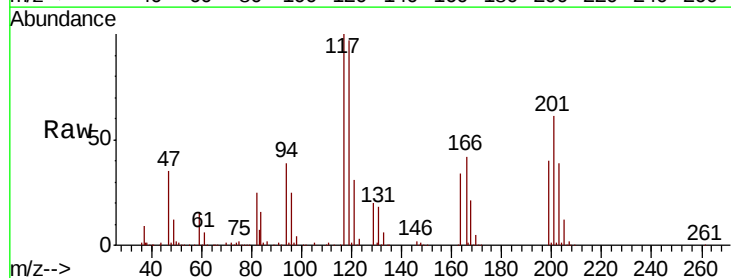
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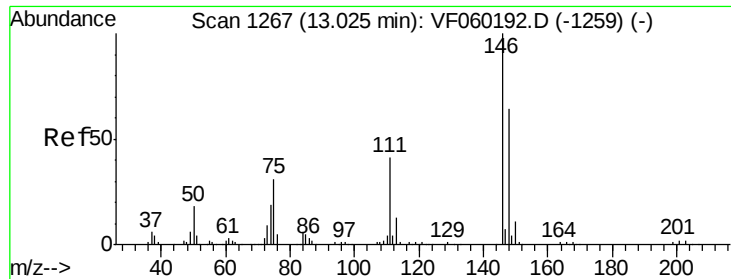
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#90
Hexachloroethane
Concen: 36.04 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.6	31.3	93.9





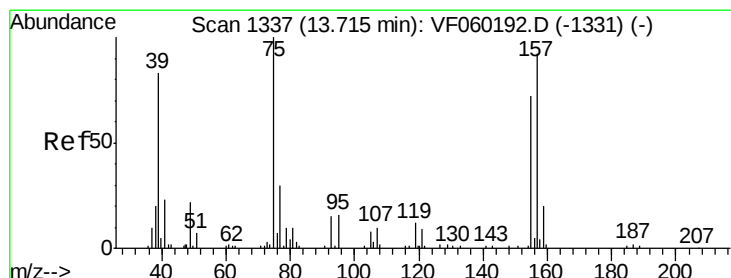
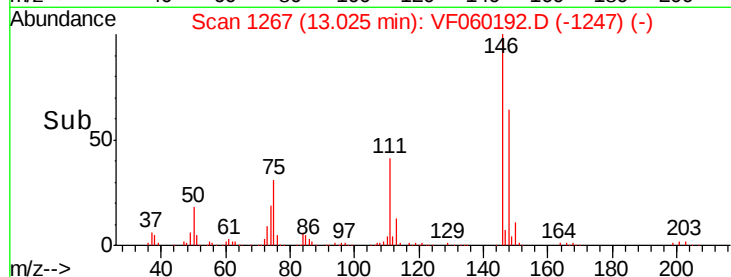
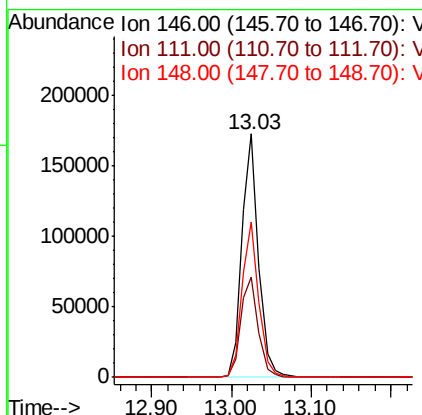
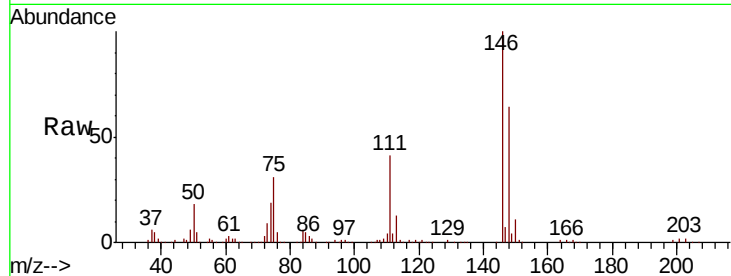
#91
 1,2-Dichlorobenzene
 Concen: 56.86 ug/l
 RT: 13.03 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.8	31.9	95.7

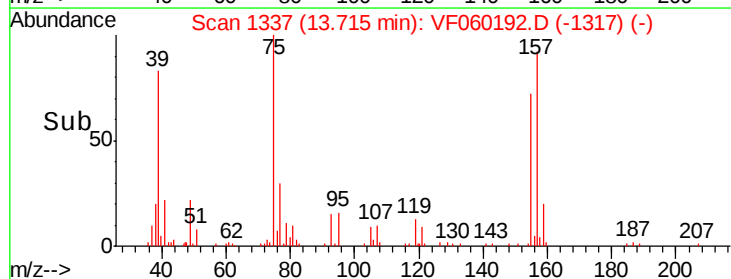
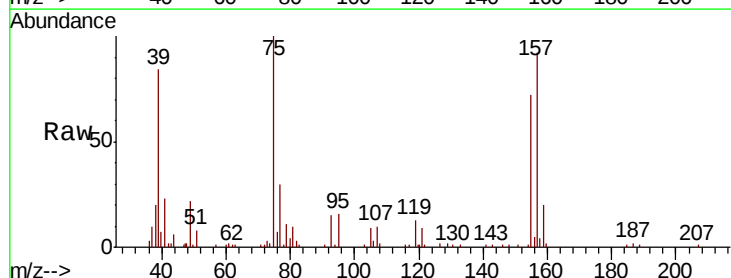
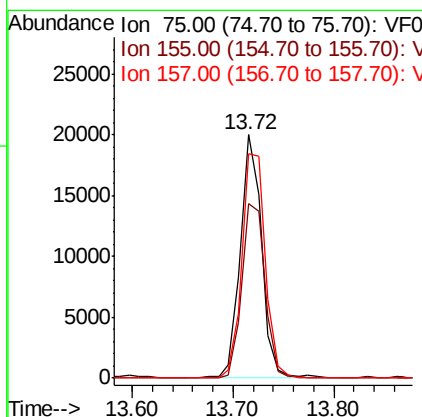
Manual Integrations
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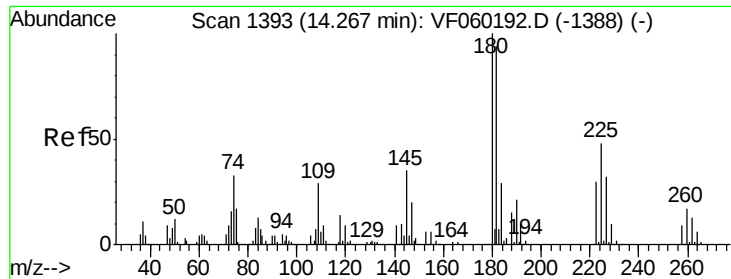
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.47 ug/l
 RT: 13.72 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	35.9	107.7
157	92.2	46.1	138.3





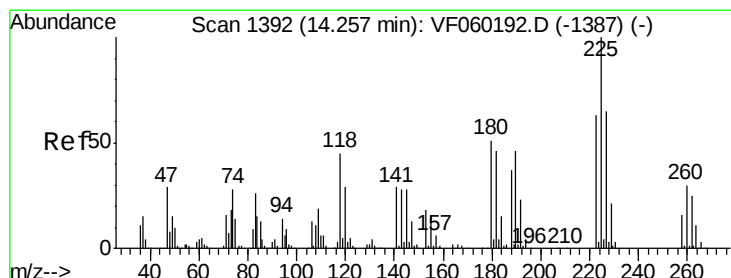
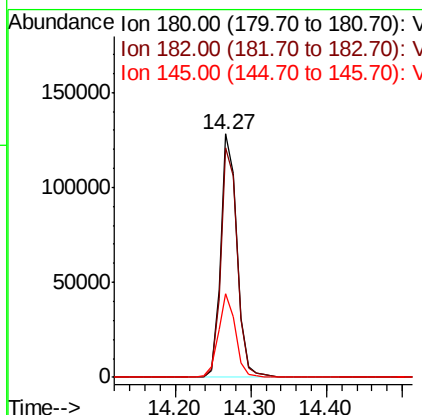
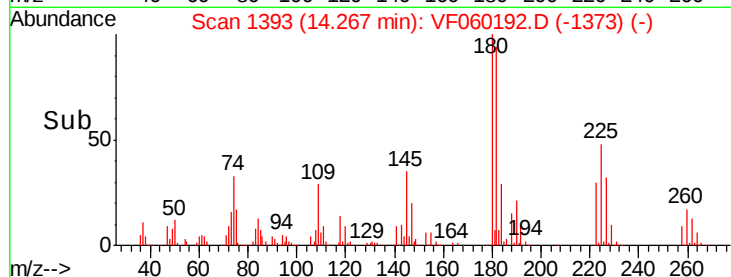
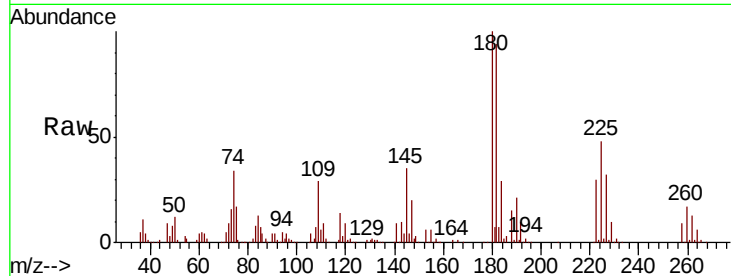
#93
 1,2,4-Trichlorobenzene
 Concen: 88.24 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195060		
182	94.3	47.1	141.4	
145	34.5	17.3	51.7	

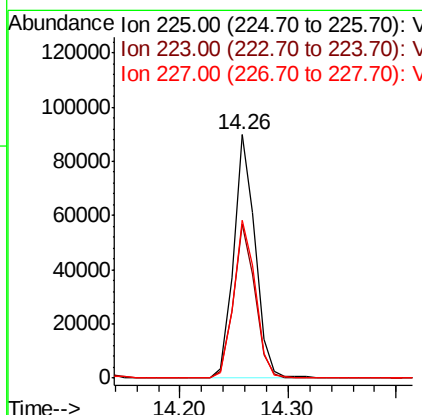
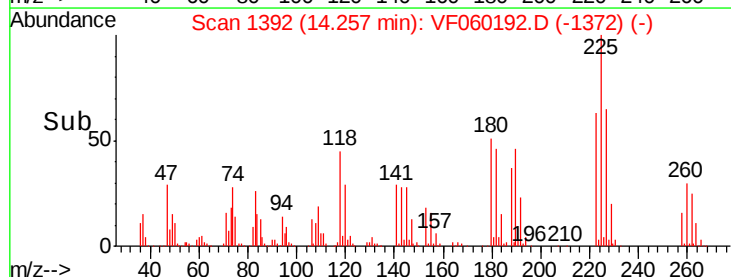
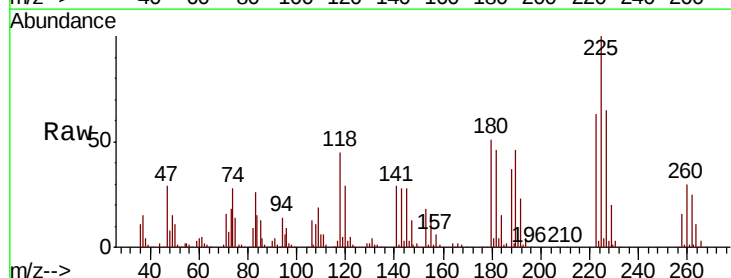
Manual Integrations
 APPROVED

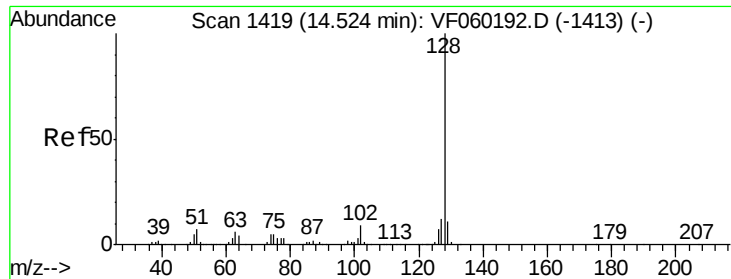
apatel
 8/30/2018 3:09:08 PM



#94
 Hexachlorobutadiene
 Concen: 35.04 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF060192.D
 Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124331		
223	63.3	31.6	95.0	
227	64.6	32.3	96.9	





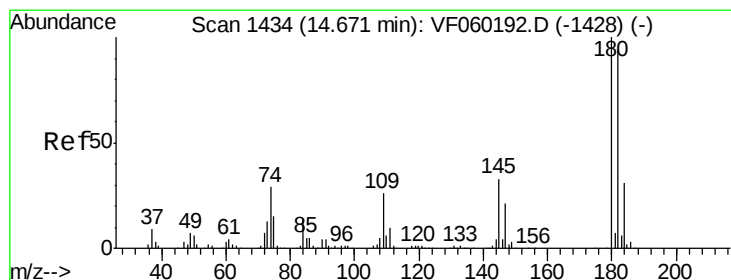
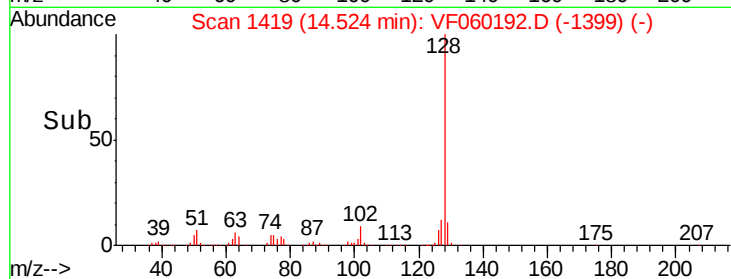
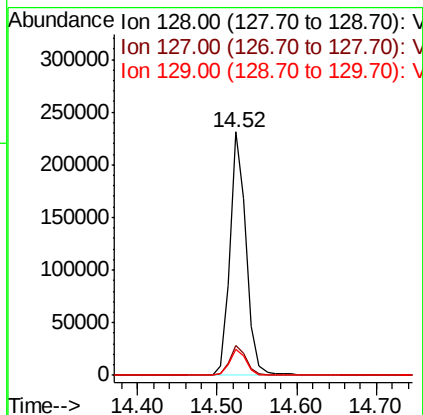
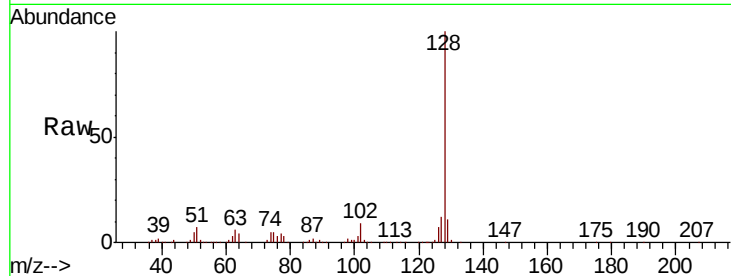
#95
Naphthalene
Concen: 144.69 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	330947		
127	12.3		9.8	14.8
129	10.8		8.6	13.0

Manual Integrations
APPROVED

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8/30/2018 3:09:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 99.41 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF060192.D
Acq: 29 Aug 2018 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	188981		
182	93.7		46.9	140.6
145	32.9		16.4	49.4

