

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF060996.D
 Acq On : 12 Dec 2018 15:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/13/2018 3:41:42 PM

Quant Time: Dec 13 01:34:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	176362	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	296353	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	277916	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	137439	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	115483	55.58	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	111.16%	
35) Dibromofluoromethane	4.11	113	120584	51.29	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.58%	
50) Toluene-d8	7.54	98	348712	50.35	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.41	95	160454	50.98	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	116138	44.042	ug/l	100
3) Chloromethane	1.09	50	78558	45.782	ug/l	97
4) Vinyl Chloride	1.13	62	77452	48.390	ug/l	99
5) Bromomethane	1.32	94	54020	47.864	ug/l	93
6) Chloroethane	1.38	64	34011	49.158	ug/l	94
7) Trichlorofluoromethane	1.49	101	173882m	50.633	ug/l	
8) Diethyl Ether	1.63	74	24403	49.416	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	91515	52.712	ug/l	94
10) Methyl Iodide	1.89	142	128189m	48.576	ug/l	
11) Tert butyl alcohol	2.57	59	24182	283.939	ug/l #	92
12) 1,1-Dichloroethene	1.78	96	64845	46.436	ug/l	90
13) Acrolein	2.00	56	20767	257.361	ug/l	93
14) Allyl chloride	2.09	41	85203	48.952	ug/l	98
15) Acrylonitrile	2.95	53	51259	268.463	ug/l	91
16) Acetone	2.24	43	114764	299.549	ug/l	96
17) Carbon Disulfide	1.84	76	159719m	42.657	ug/l	
18) Methyl Acetate	2.35	43	38308	59.927	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	154747	49.201	ug/l	96
20) Methylene Chloride	2.25	84	62796m	44.678	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	67434	50.089	ug/l	98
22) Diisopropyl ether	2.80	45	256949	54.234	ug/l	98
23) Vinyl Acetate	3.18	43	610552	281.923	ug/l	97
24) 1,1-Dichloroethane	2.87	63	149338	52.980	ug/l	97
25) 2-Butanone	4.33	43	180522	272.417	ug/l	99
26) 2,2-Dichloropropane	3.59	77	96922	53.037	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	112296	51.235	ug/l	98
28) Bromochloromethane	3.72	49	65686	48.556	ug/l	99
29) Tetrahydrofuran	4.07	42	72591	258.428	ug/l	95
30) Chloroform	3.86	83	231534	53.370	ug/l	99
31) Cyclohexane	3.69	56	141670	48.428	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	163812	54.446	ug/l	95
36) 1,1-Dichloropropene	4.28	75	157684	47.971	ug/l	98
37) Ethyl Acetate	4.11	43	63302	47.390	ug/l #	93
38) Carbon Tetrachloride	3.98	117	138419	47.677	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	156572	45.452	ug/l	97
40) Benzene	4.62	78	340597	46.903	ug/l	98
41) Methacrylonitrile	4.74	41	37537	54.636	ug/l	92
42) 1,2-Dichloroethane	4.94	62	130892	49.372	ug/l	97
43) Isopropyl Acetate	6.95	43	83898	50.958	ug/l #	98
44) Trichloroethene	5.50	130	113706	47.889	ug/l	94
45) 1,2-Dichloropropane	6.23	63	96093	50.951	ug/l	97
46) Dibromomethane	6.08	93	64887	50.718	ug/l	94
47) Bromodichloromethane	6.38	83	178504	52.532	ug/l	98
48) Methyl methacrylate	6.72	41	61380	50.765	ug/l	95
49) 1,4-Dioxane	6.70	88	7286	823.364	ug/l	90
51) 4-Methyl-2-Pentanone	8.25	43	305366	247.904	ug/l	99
52) Toluene	7.62	92	239266	46.908	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	139858	50.600	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	168369	49.205	ug/l	93
55) 1,1,2-Trichloroethane	8.49	97	73842	49.682	ug/l	98
56) Ethyl methacrylate	8.62	69	82495	49.964	ug/l	95
57) 1,3-Dichloropropane	8.85	76	133150	51.205	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	71655	424.289	ug/l	96
59) 2-Hexanone	9.49	43	215641	249.533	ug/l	96
60) Dibromochloromethane	8.72	129	111012	50.129	ug/l	96
61) 1,2-Dibromoethane	8.98	107	78993	49.198	ug/l	98
64) Tetrachloroethene	8.15	164	94521	44.528	ug/l	96
65) Chlorobenzene	9.79	112	276009	51.051	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	108417	46.645	ug/l	97
67) Ethyl Benzene	9.90	91	488994	48.582	ug/l	97
68) m/p-Xylenes	10.13	106	352523	97.379	ug/l	99
69) o-Xylene	10.71	106	193614	48.501	ug/l	91
70) Styrene	10.79	104	256656	46.381	ug/l	98
71) Bromoform	10.77	173	52928	47.144	ug/l #	95
73) Isopropylbenzene	11.13	105	564184	51.945	ug/l	99
74) N-amyl acetate	11.37	43	128322	51.165	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	91863	51.392	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	69538	53.520	ug/l	95
77) Bromobenzene	11.49	156	118195	49.637	ug/l	85
78) n-propylbenzene	11.59	91	660313	51.914	ug/l	99
79) 2-Chlorotoluene	11.72	91	371931	50.998	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	461297	52.317	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	32312m	50.757	ug/l	
82) 4-Chlorotoluene	11.89	91	390035	50.818	ug/l	98
83) tert-Butylbenzene	12.13	119	479239	53.358	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	463779	52.703	ug/l	98
85) sec-Butylbenzene	12.30	105	624803	50.817	ug/l	99
86) p-Isopropyltoluene	12.46	119	524416	50.874	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	222967	49.227	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	220356	49.922	ug/l	98
89) n-Butylbenzene	12.84	91	553705	53.122	ug/l	96
90) Hexachloroethane	12.91	117	133761	53.887	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	218331	50.902	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19296	55.834	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	155971	52.042	ug/l	98
94) Hexachlorobutadiene	14.18	225	107258	53.686	ug/l	97
95) Naphthalene	14.45	128	290702	49.972	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	149265	53.639	ug/l	96

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

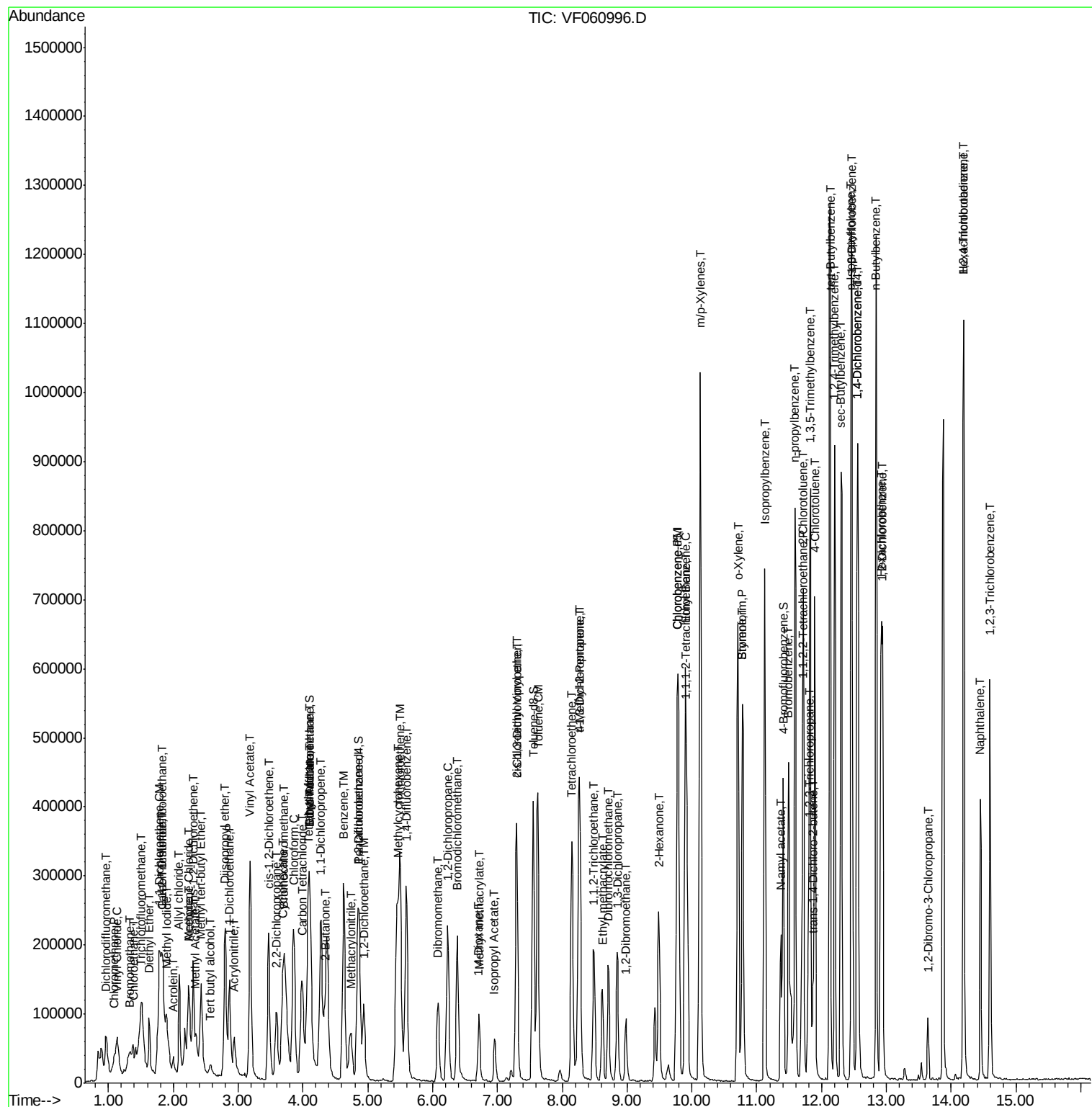
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 Data File : VF060996.D
 Acq On : 12 Dec 2018 15:08
 Operator : VA/AP
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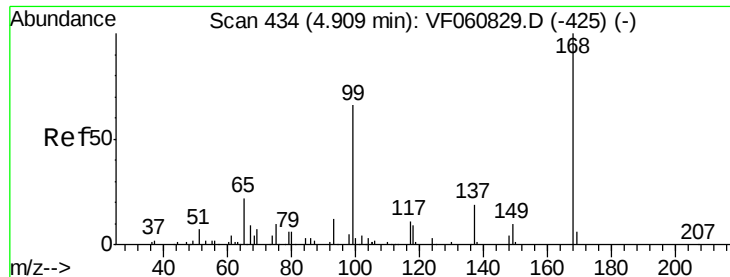
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 176362

Ion Ratio Lower Upper

168 100

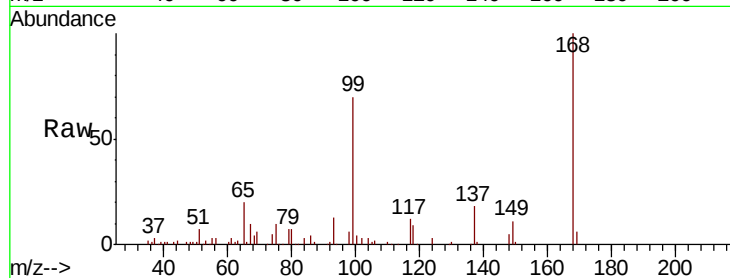
99 69.8 52.6 79.0

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

4.87

60000

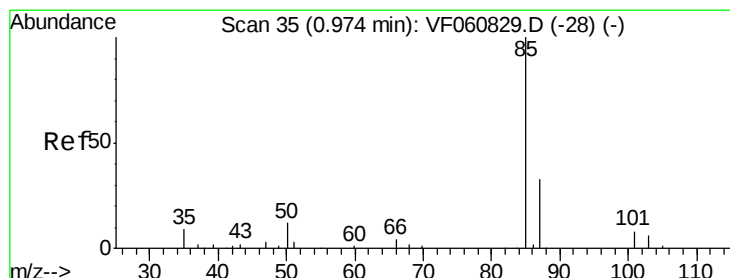
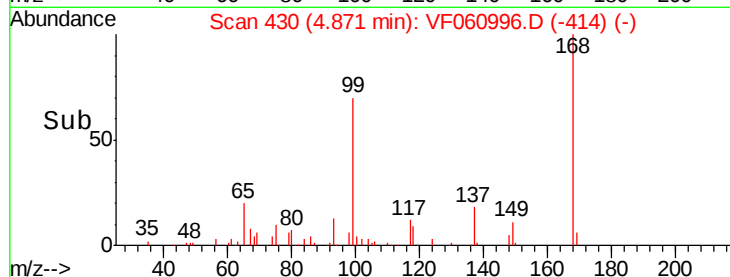
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 44.042 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060996.D

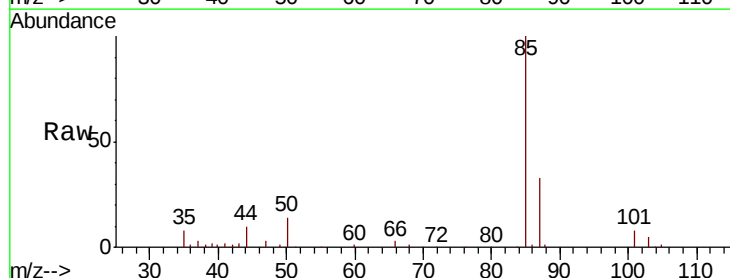
Acq: 12 Dec 2018 15:08

Tgt Ion: 85 Resp: 116138

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

30000

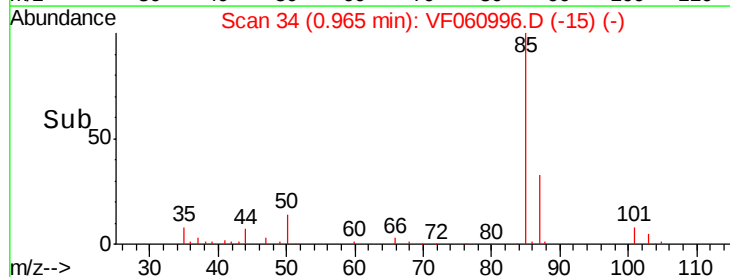
20000

10000

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Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 45.782 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 78558

Ion Ratio Lower Upper

50 100

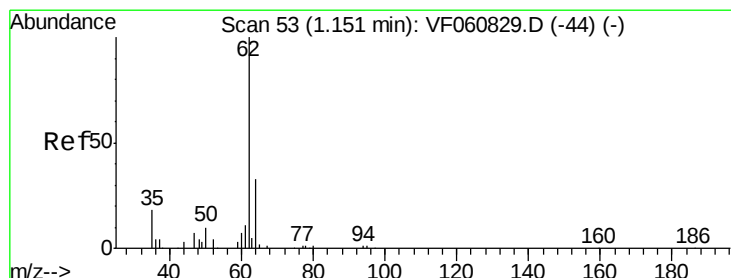
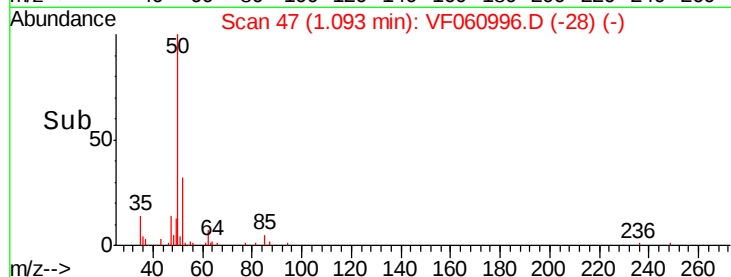
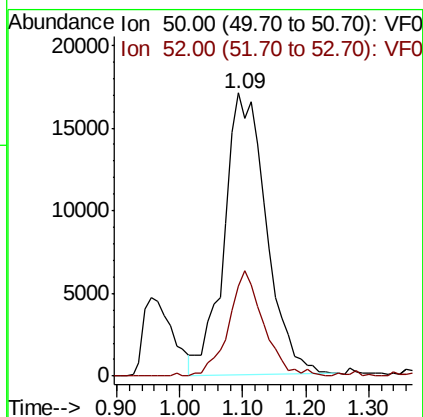
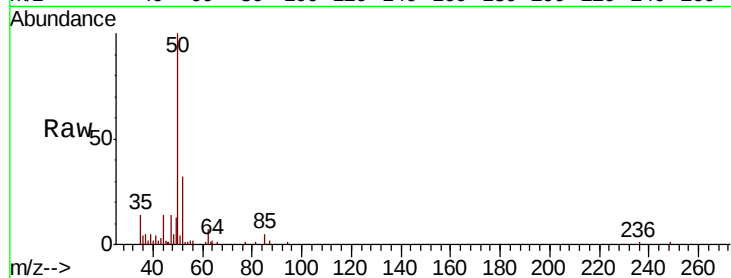
52 31.9 27.0 40.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.390 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF060996.D

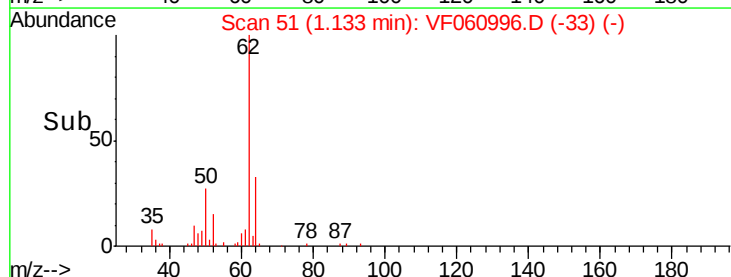
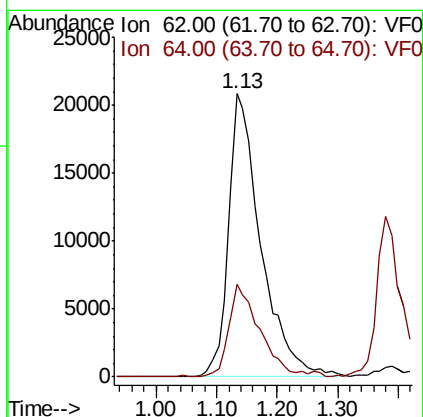
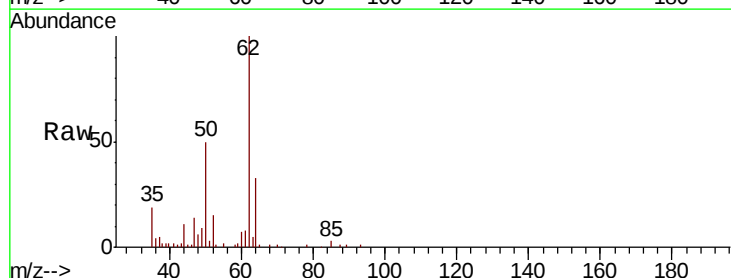
Acq: 12 Dec 2018 15:08

Tgt Ion: 62 Resp: 77452

Ion Ratio Lower Upper

62 100

64 32.6 26.4 39.6





#5

Bromomethane

Concen: 47.864 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 54020

Ion Ratio Lower Upper

94 100

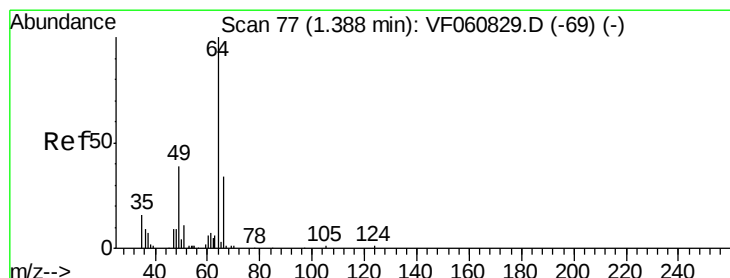
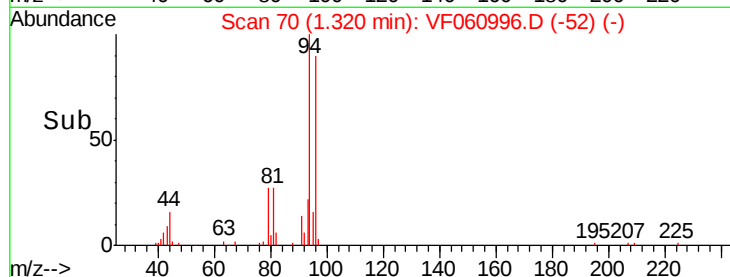
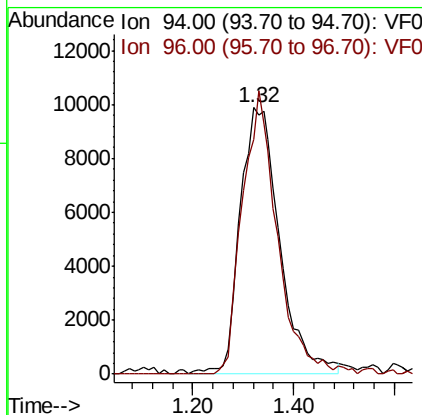
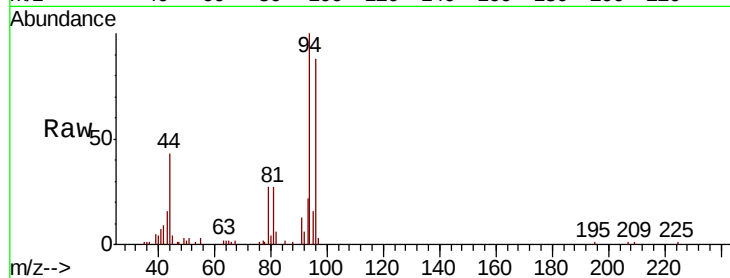
96 88.3 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 49.158 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060996.D

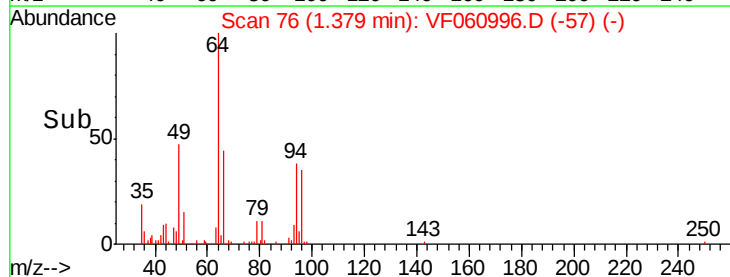
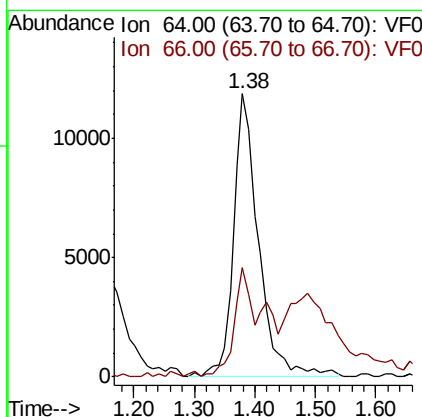
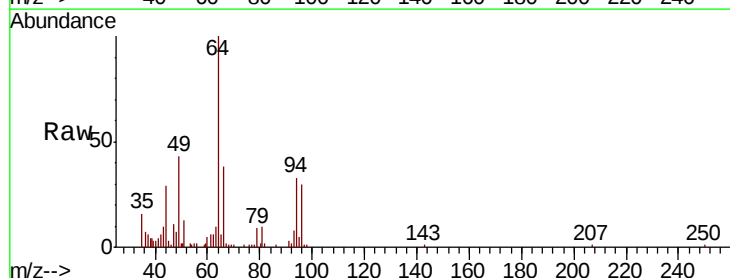
Acq: 12 Dec 2018 15:08

Tgt Ion: 64 Resp: 34011

Ion Ratio Lower Upper

64 100

66 38.4 28.1 42.1





#7

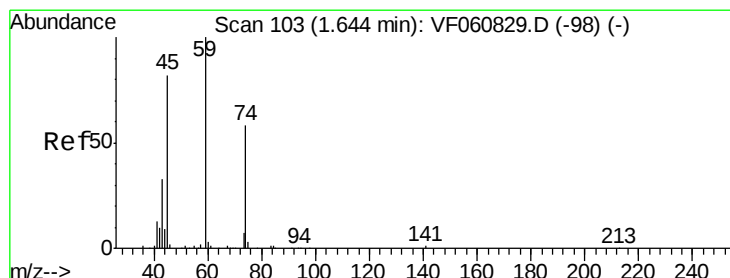
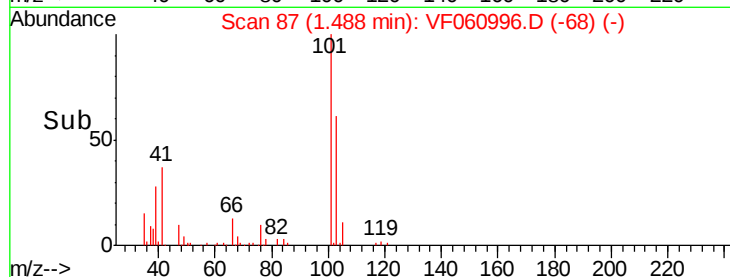
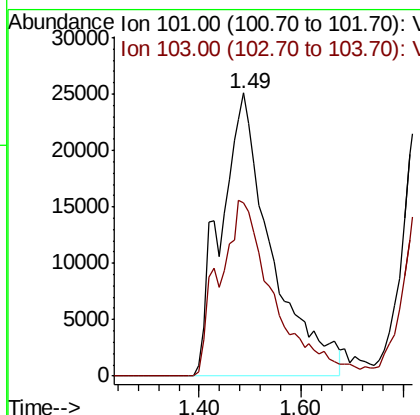
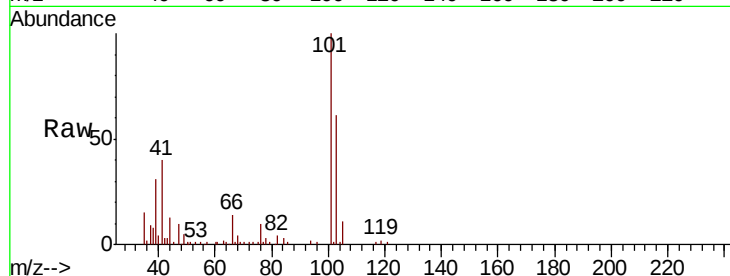
Trichlorofluoromethane
Concen: 50.633 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 173882
Ion Ratio Lower Upper
101 100
103 61.2 55.4 83.0

Manual Integrations
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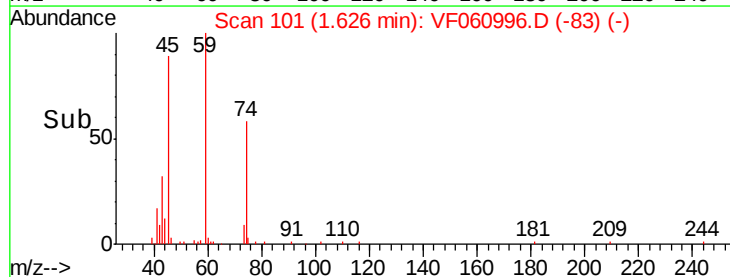
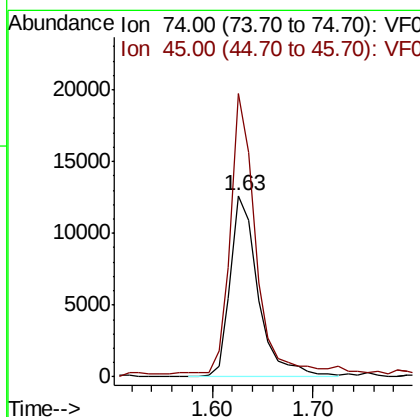
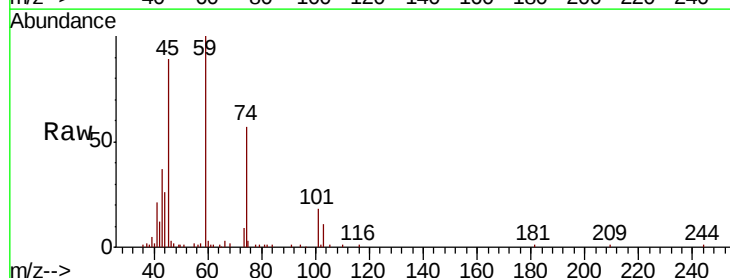
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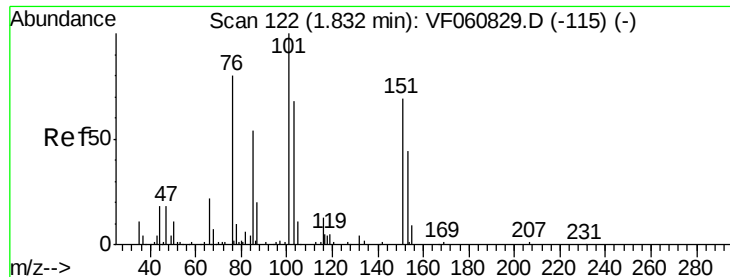


#8

Diethyl Ether
Concen: 49.416 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion: 74 Resp: 24403
Ion Ratio Lower Upper
74 100
45 156.3 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.712 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

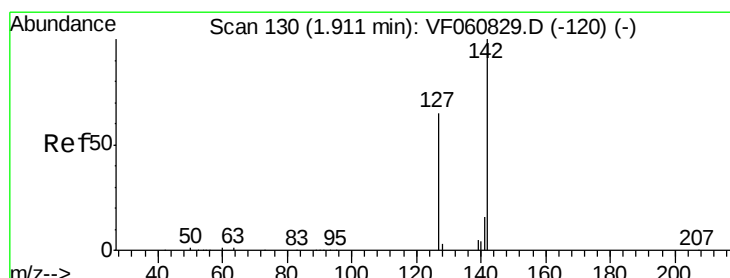
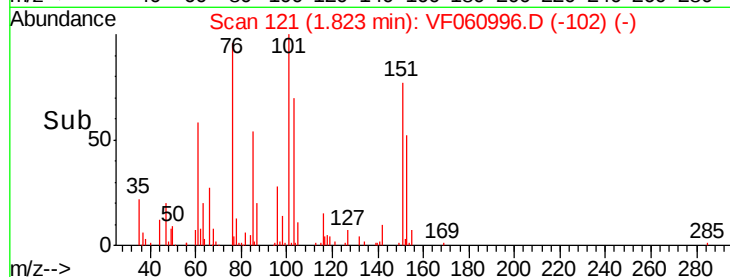
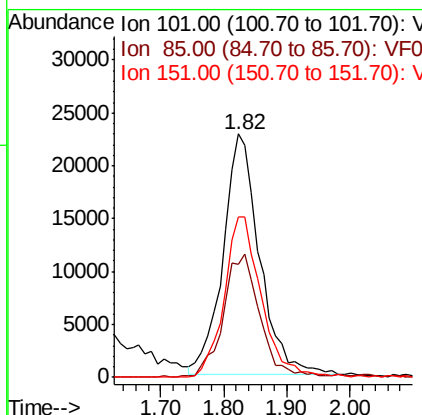
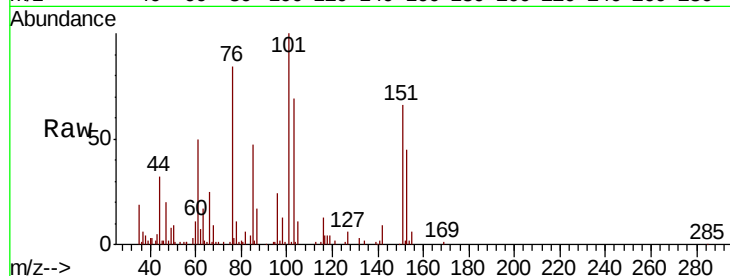
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	91515
Ion Ratio	Lower	Upper	
101	100		
85	46.6	42.8	64.2
151	66.1	54.4	81.6

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#10

Methyl Iodide

Concen: 48.576 ug/l m

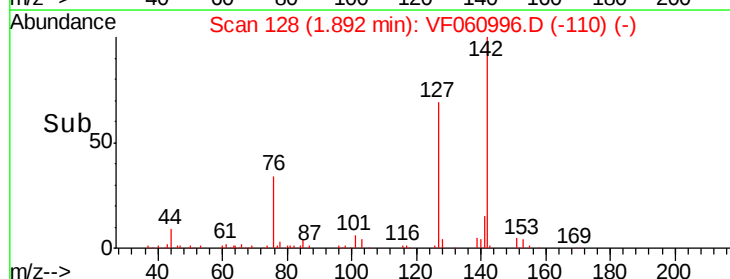
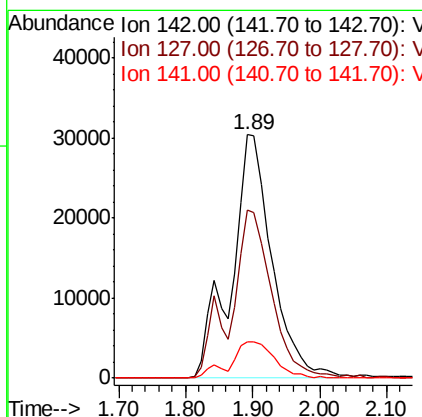
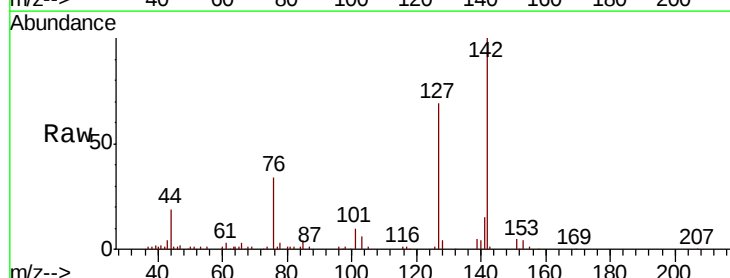
RT: 1.89 min Scan# 128

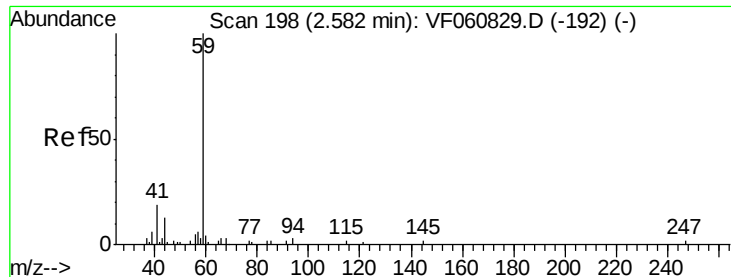
Delta R.T. -0.02 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion:	142	Resp:	128189
Ion Ratio	Lower	Upper	
142	100		
127	68.9	51.9	77.9
141	15.0	12.7	19.1





#11

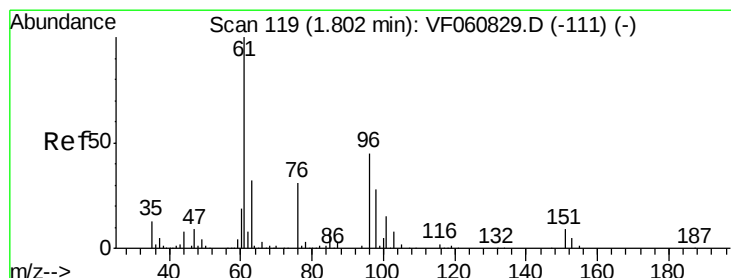
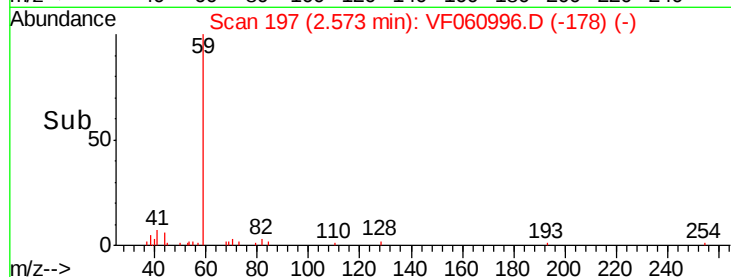
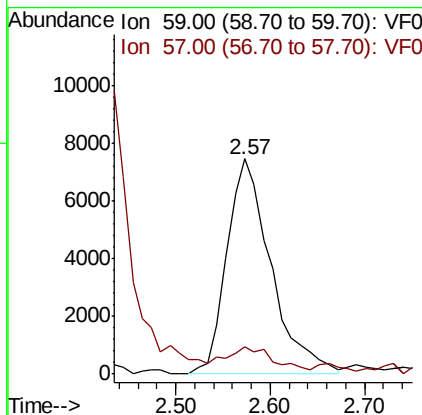
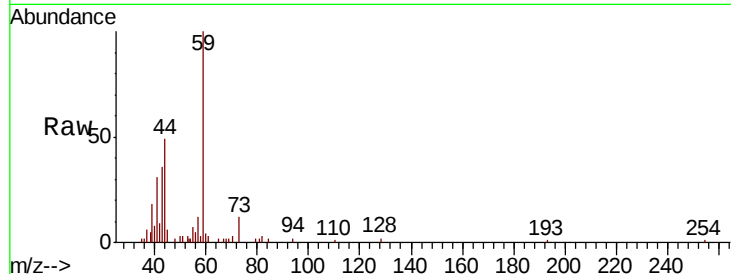
Tert butyl alcohol
 Concen: 283.939 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 24182
 Ion Ratio Lower Upper
 59 100
 57 12.5 12.7 19.1#

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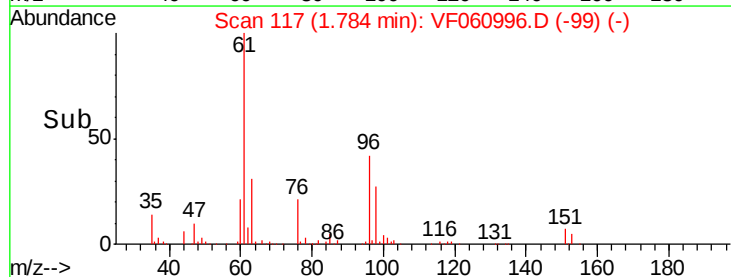
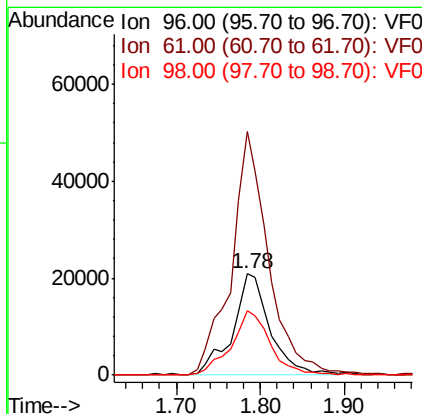
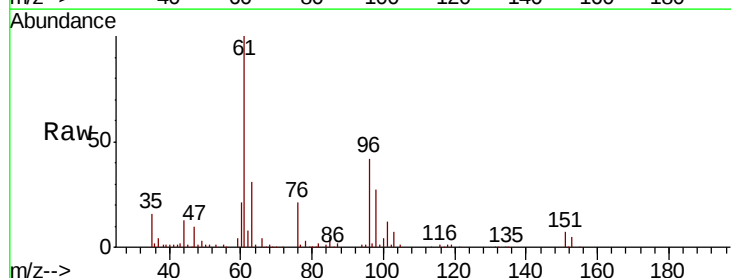
apatel
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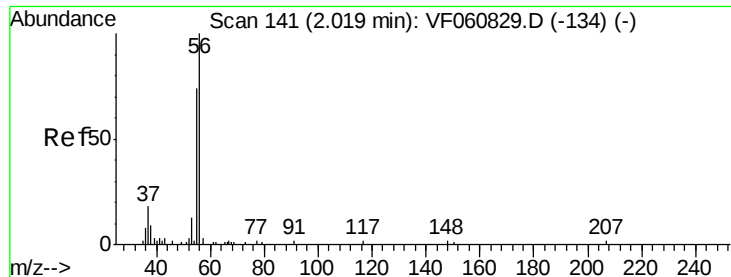


#12

1,1-Dichloroethene
 Concen: 46.436 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.02 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion: 96 Resp: 64845
 Ion Ratio Lower Upper
 96 100
 61 240.7 177.3 265.9
 98 64.2 49.6 74.4





#13

Acrolein

Concen: 257.361 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 20767

Ion Ratio Lower Upper

56 100

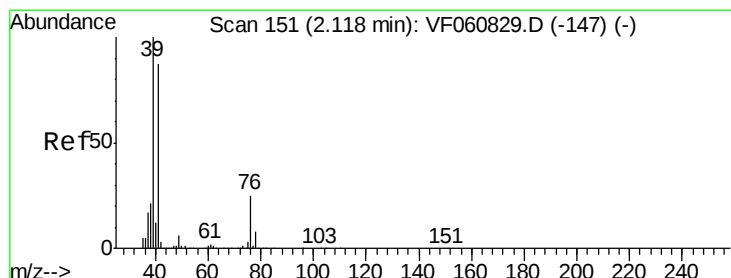
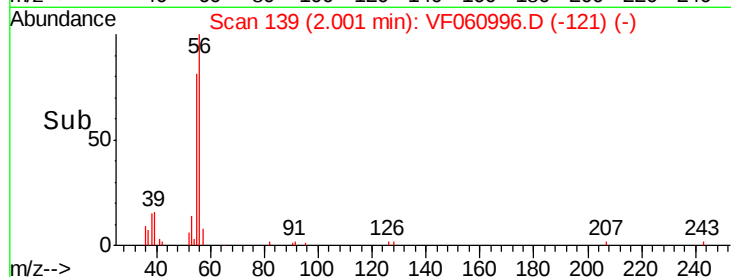
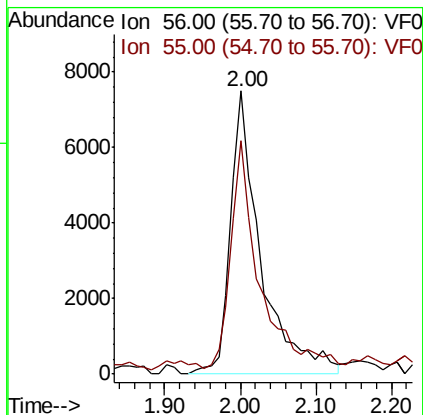
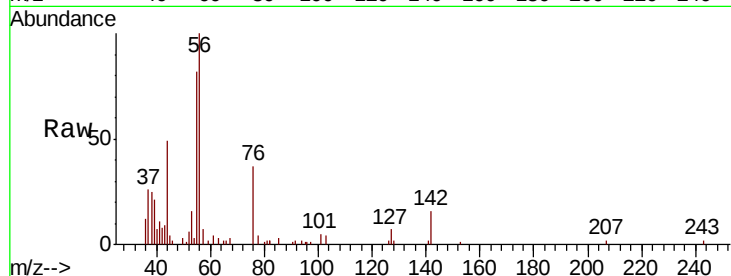
55 82.4 61.2 91.8

Manual Integrations

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#14

Allyl chloride

Concen: 48.952 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

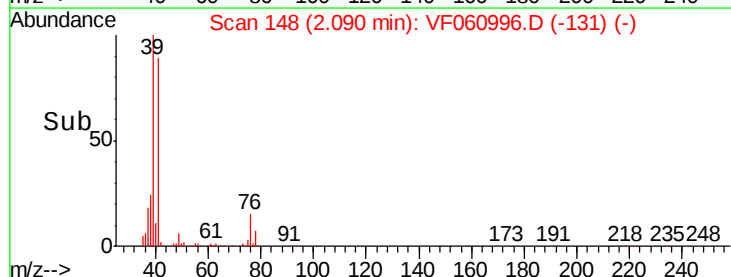
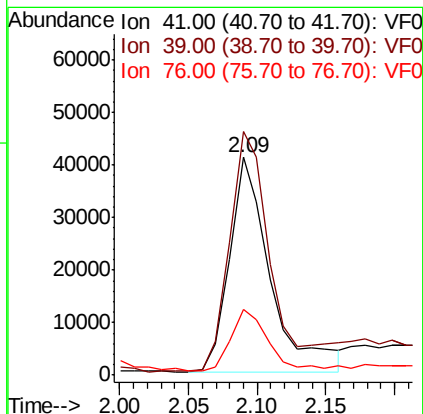
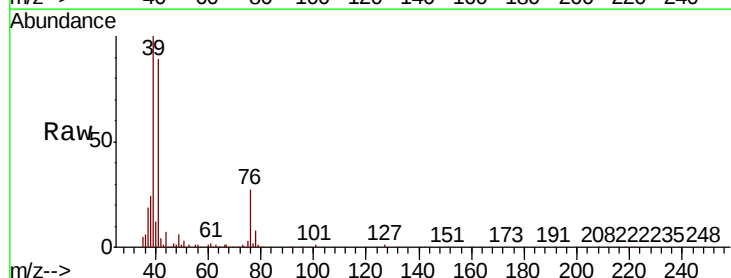
Tgt Ion: 41 Resp: 85203

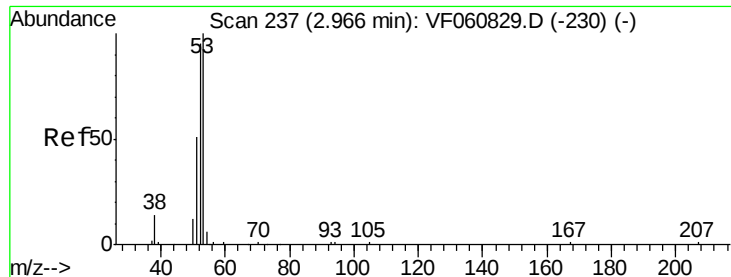
Ion Ratio Lower Upper

41 100

39 111.9 91.7 137.5

76 30.2 23.5 35.3





#15

Acrylonitrile

Concen: 268.463 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

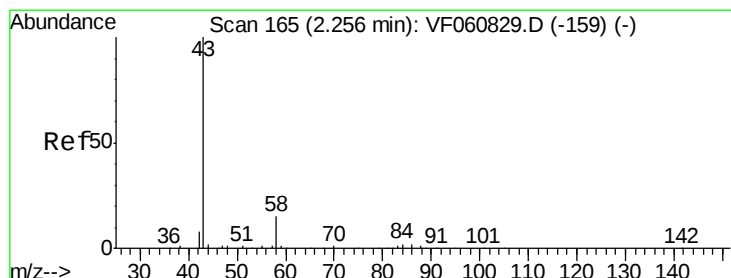
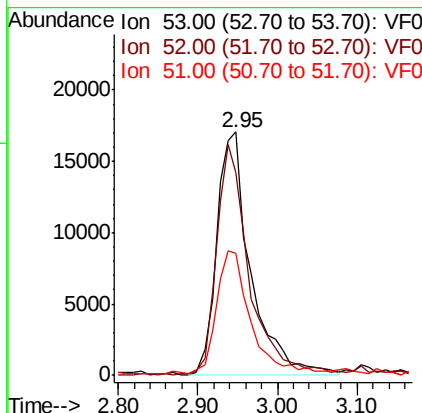
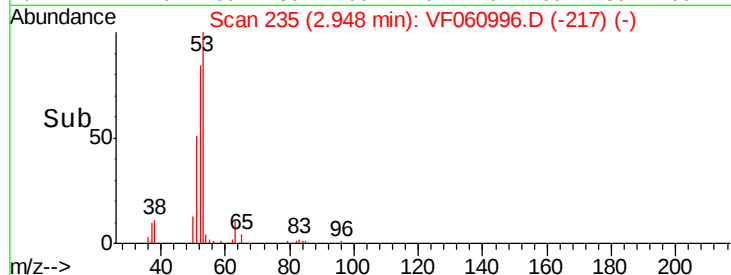
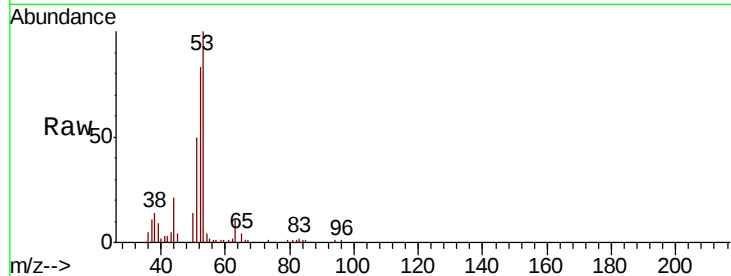
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	51259
Ion	Ratio	Lower	Upper
53	100		
52	83.0	76.5	114.7
51	50.1	40.7	61.1

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#16

Acetone

Concen: 299.549 ug/l

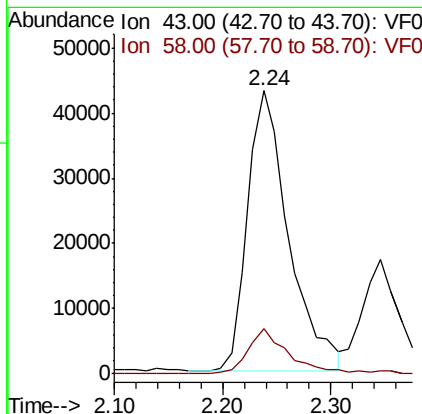
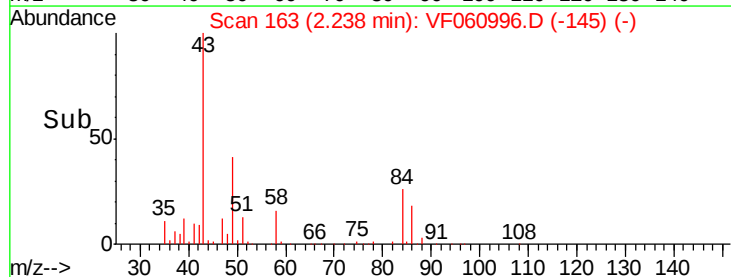
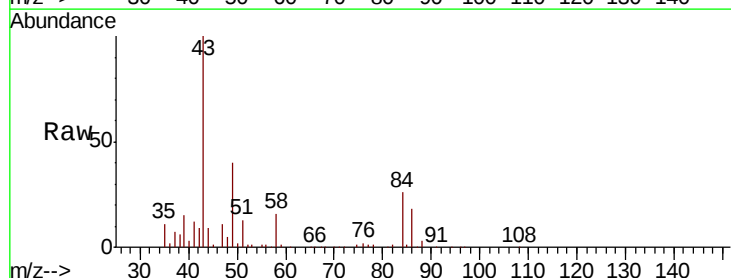
RT: 2.24 min Scan# 163

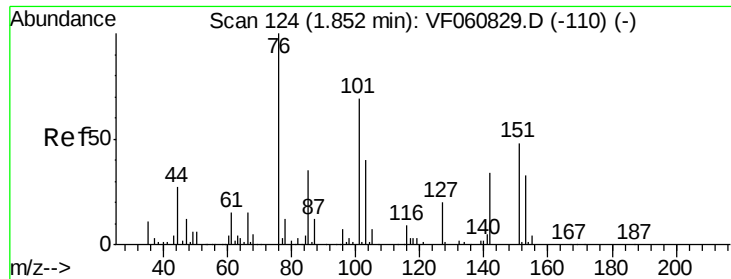
Delta R.T. -0.02 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion:	43	Resp:	114764
Ion	Ratio	Lower	Upper
43	100		
58	16.0	11.4	17.2





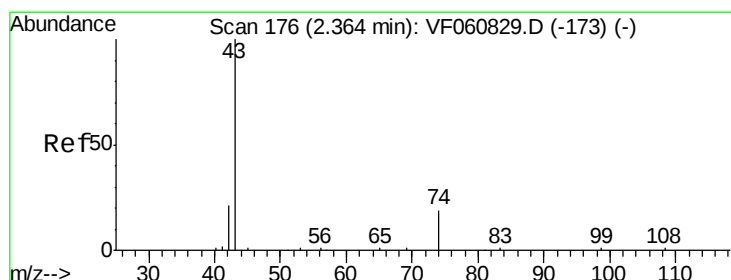
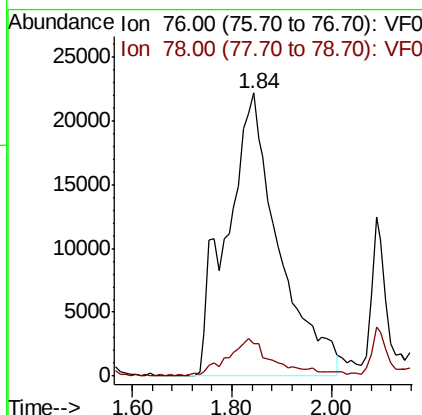
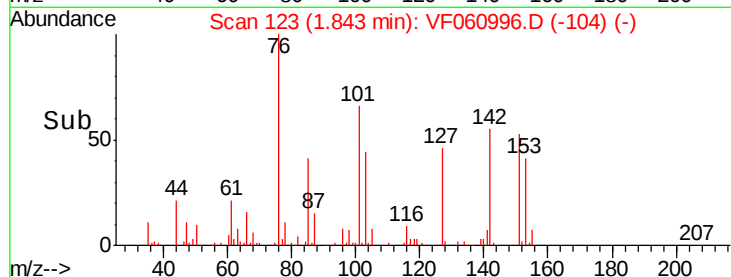
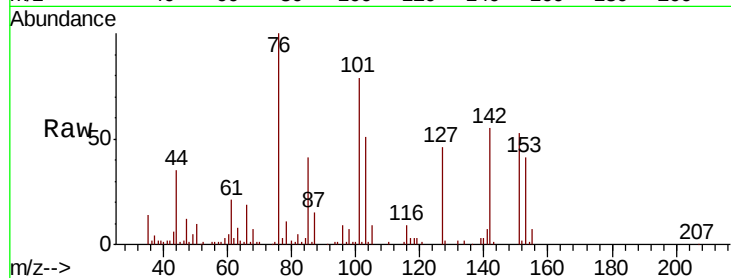
#17
Carbon Disulfide
Concen: 42.657 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 159719
Ion Ratio Lower Upper
76 100
78 11.5 10.2 15.2

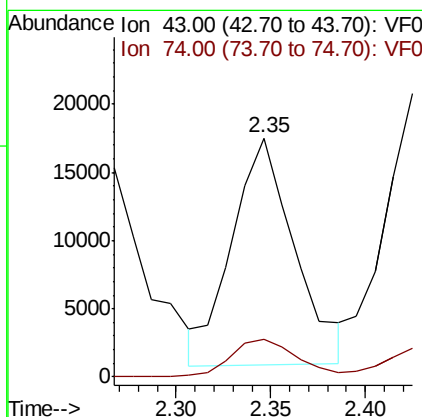
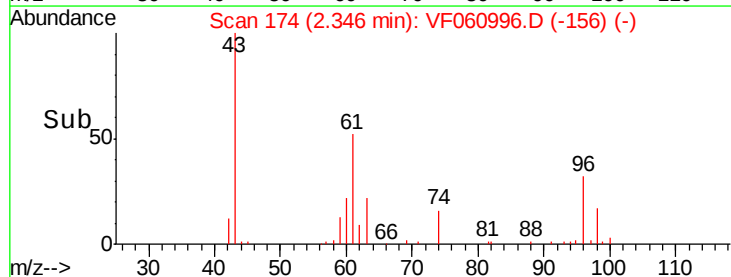
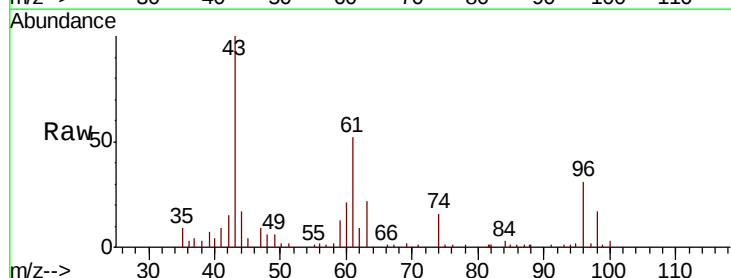
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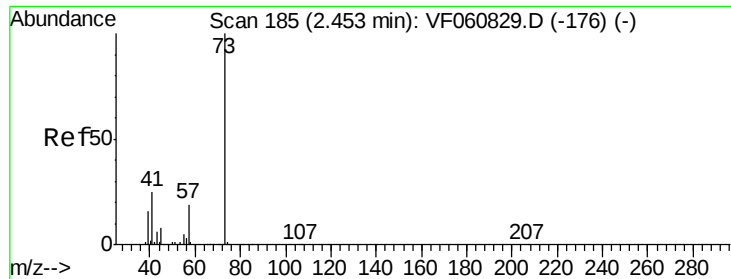
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#18
Methyl Acetate
Concen: 59.927 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion: 43 Resp: 38308
Ion Ratio Lower Upper
43 100
74 16.0 13.3 19.9





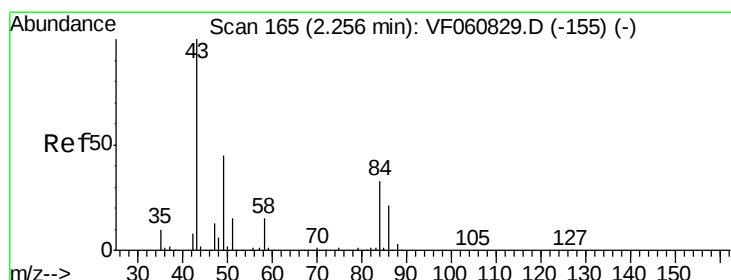
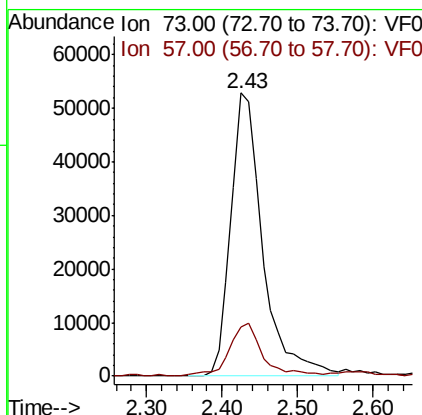
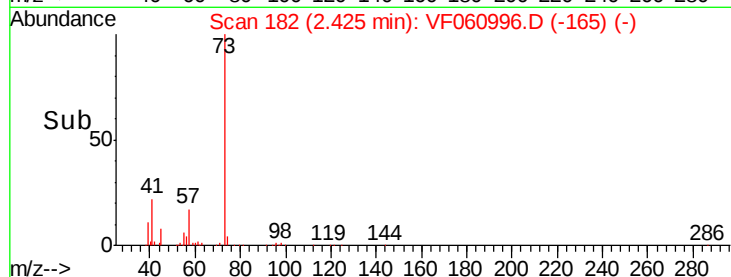
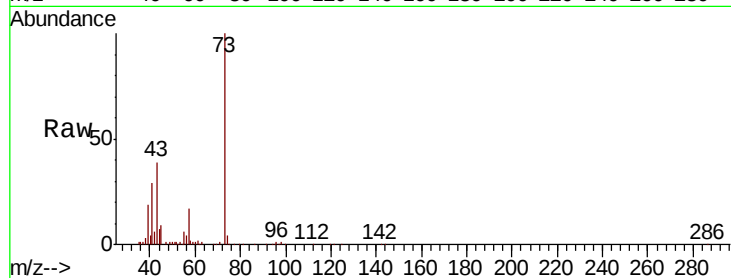
#19
Methvl tert-butvl Ether
Concen: 49.201 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 154747
Ion Ratio Lower Upper
73 100
57 17.3 15.3 22.9

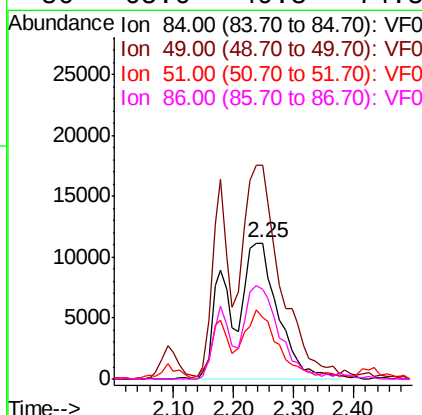
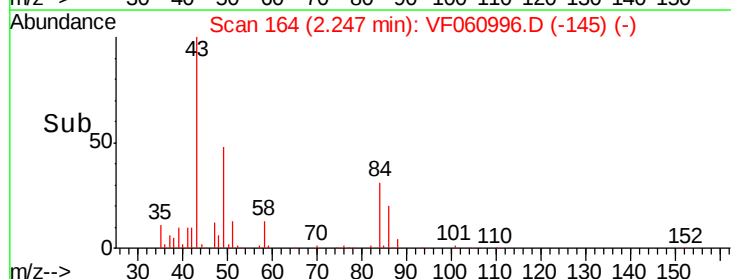
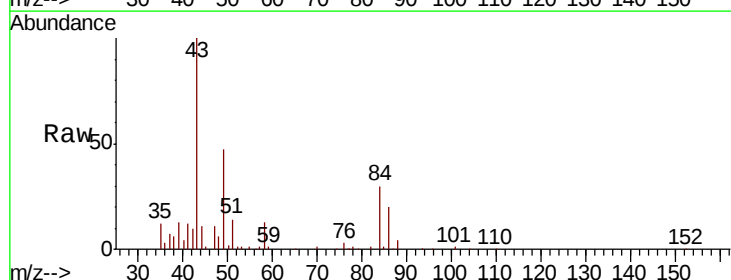
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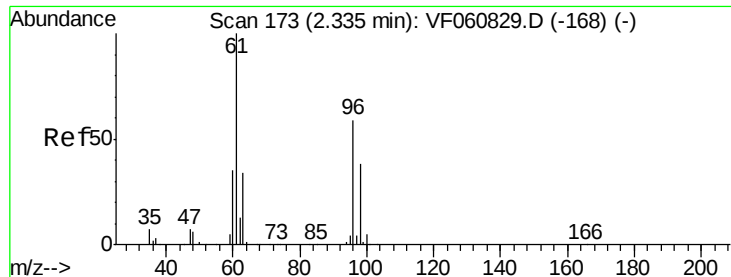
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#20
Methylene Chloride
Concen: 44.678 ug/l m
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion: 84 Resp: 62796
Ion Ratio Lower Upper
84 100
49 157.0 111.3 166.9
51 45.5 38.0 57.0
86 65.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.089 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

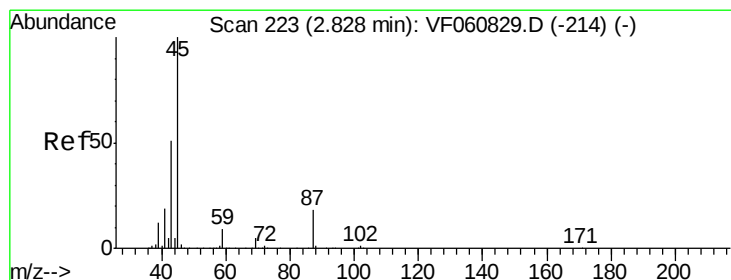
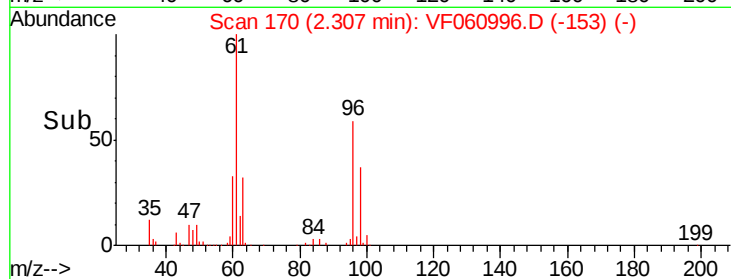
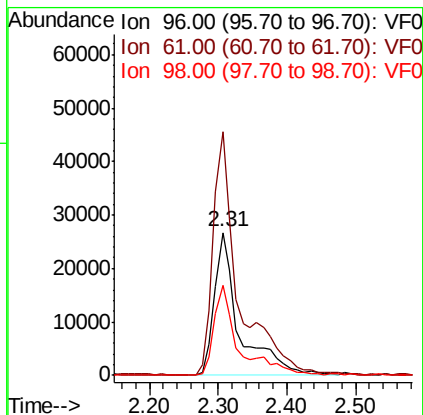
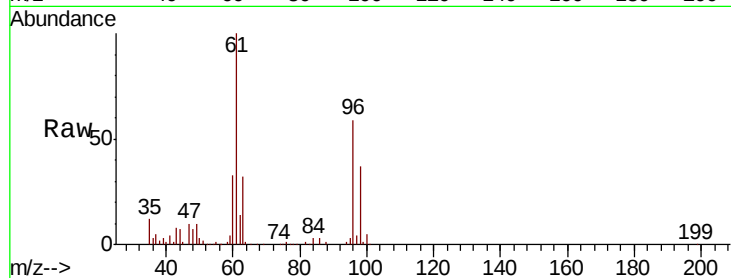
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	67434
Ion	Ratio	Lower	Upper
96	100		
61	170.3	134.5	201.7
98	63.2	51.6	77.4

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#22

Diisopropyl ether

Concen: 54.234 ug/l

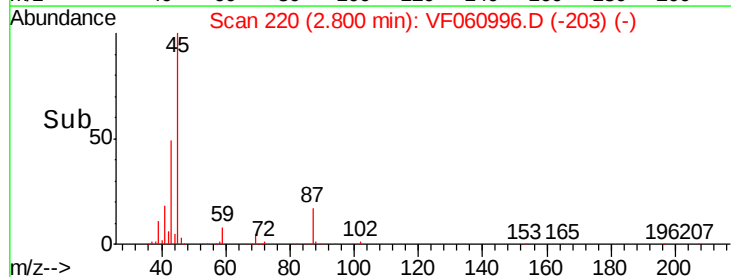
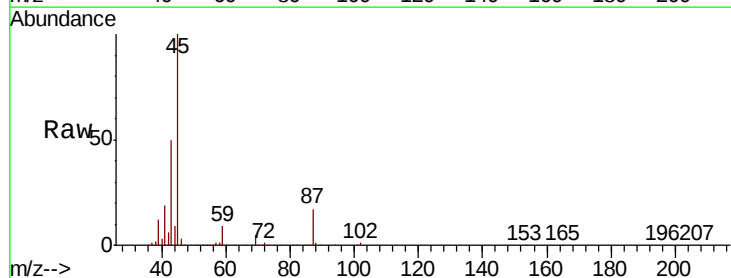
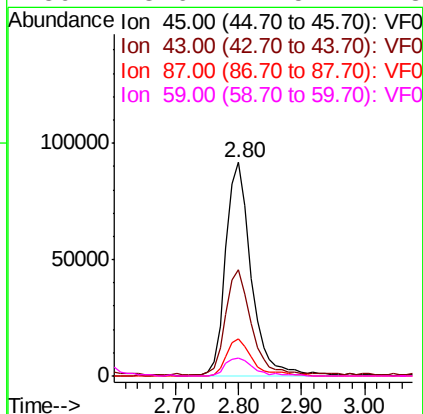
RT: 2.80 min Scan# 220

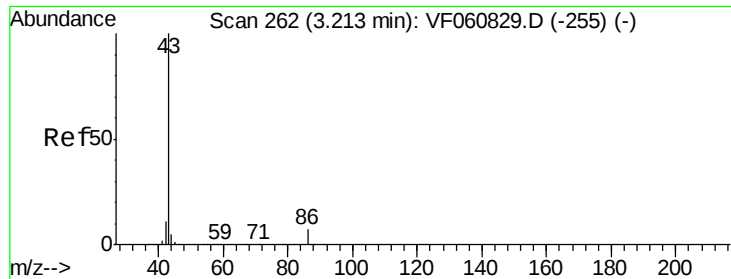
Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion:	45	Resp:	256949
Ion	Ratio	Lower	Upper
45	100		
43	49.7	41.0	61.6
87	17.3	14.6	22.0
59	8.6	7.5	11.3





#23

Vinyl Acetate

Concen: 281.923 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 610552

Ion Ratio Lower Upper

43 100

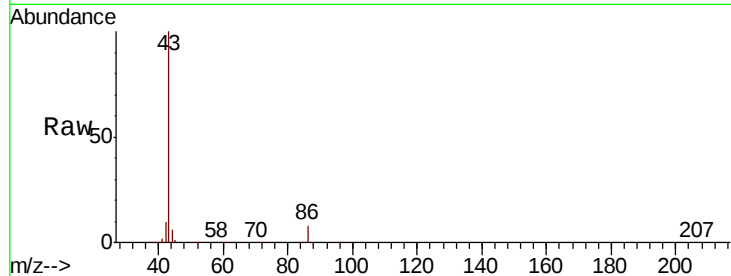
86 7.7 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

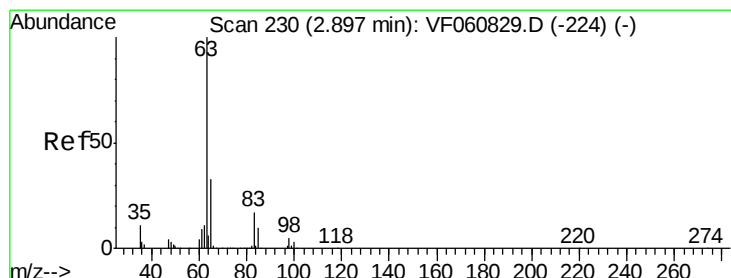
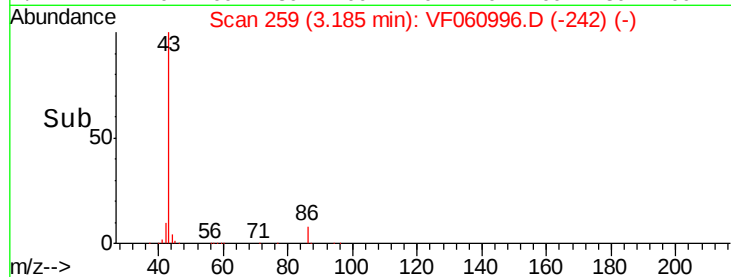
100000

50000

0

3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 52.980 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

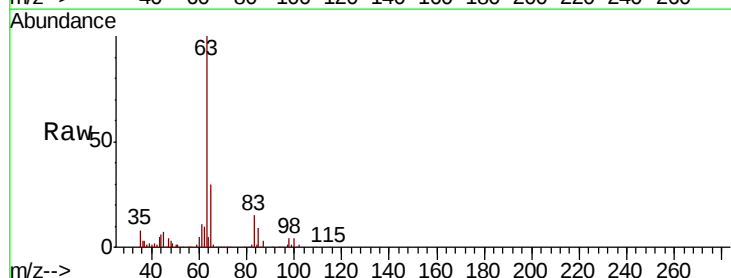
Tgt Ion: 63 Resp: 149338

Ion Ratio Lower Upper

63 100

98 4.2 2.7 8.1

100 3.7 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

80000

60000

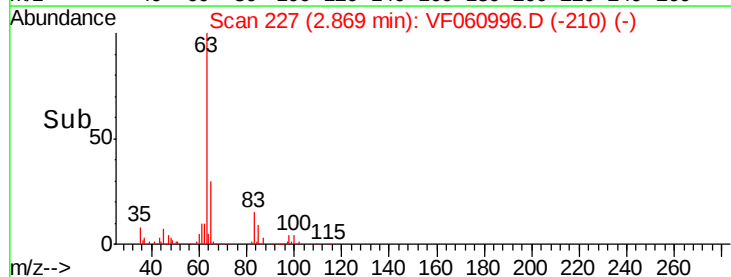
40000

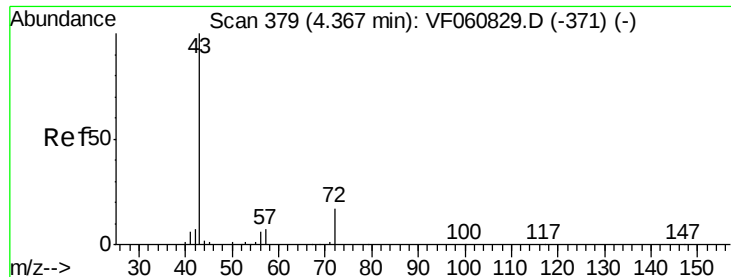
20000

0

2.70 2.80 2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 272.417 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 180522

Ion Ratio Lower Upper

43 100

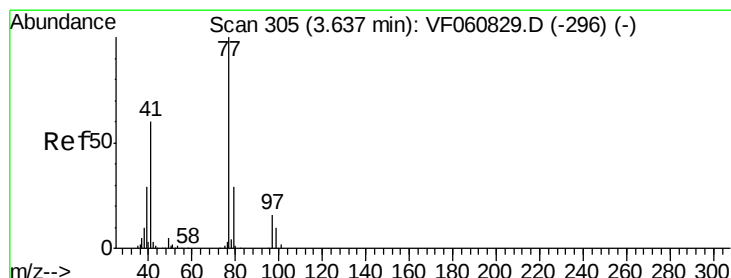
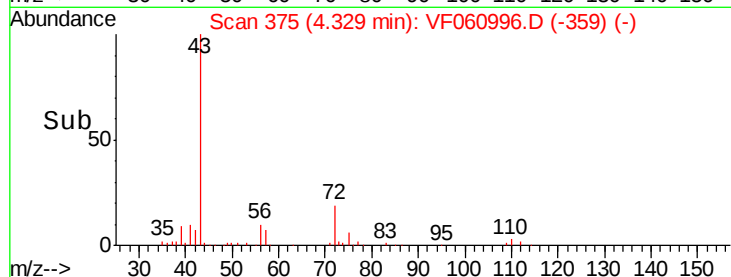
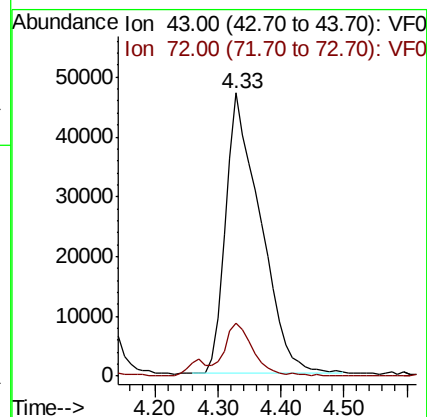
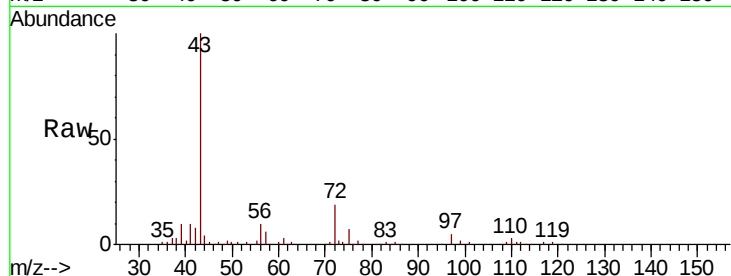
72 18.8 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.037 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF060996.D

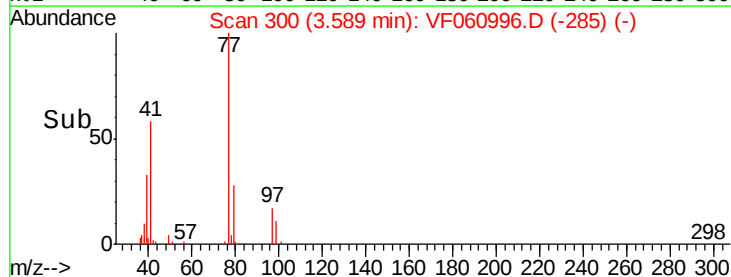
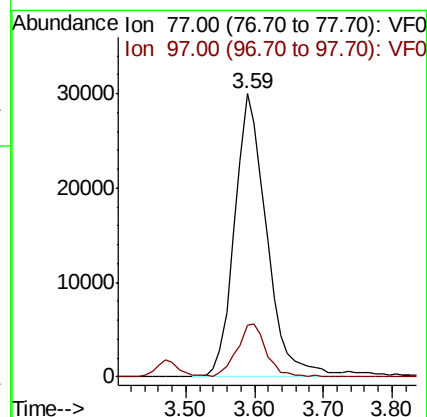
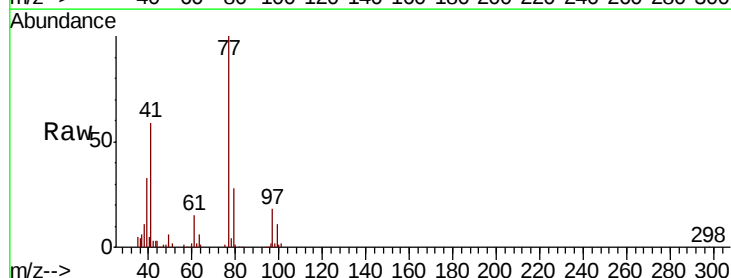
Acq: 12 Dec 2018 15:08

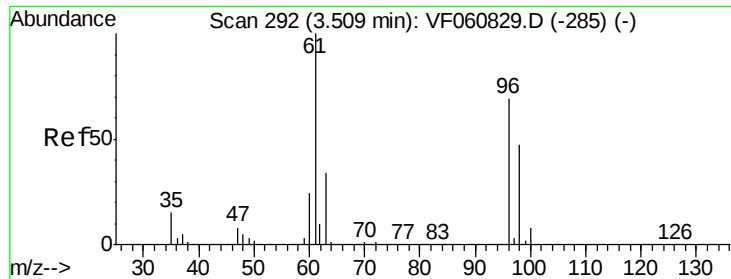
Tgt Ion: 77 Resp: 96922

Ion Ratio Lower Upper

77 100

97 18.2 8.6 25.8





#27

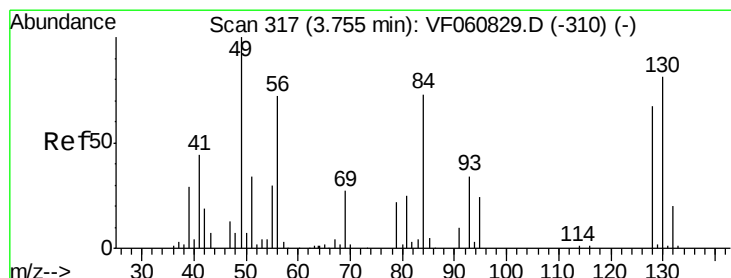
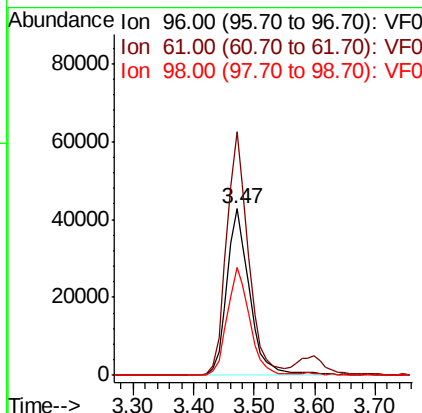
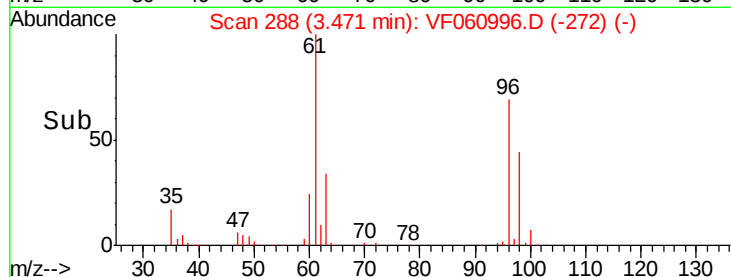
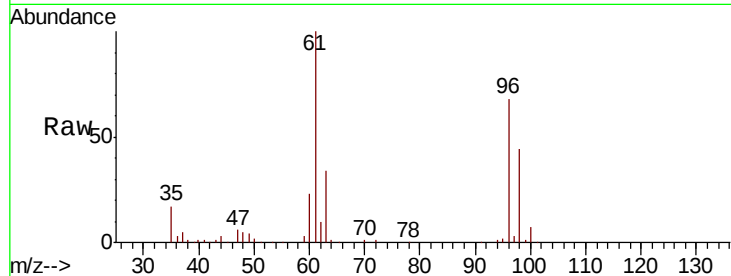
cis-1,2-Dichloroethene
Concen: 51.235 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	112296		
61	146.2	0.0	290.6	
98	64.6	0.0	137.8	

Manual Integrations
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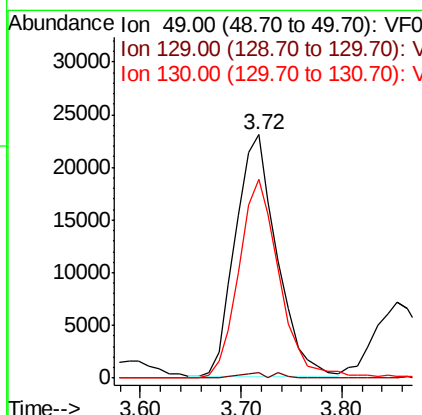
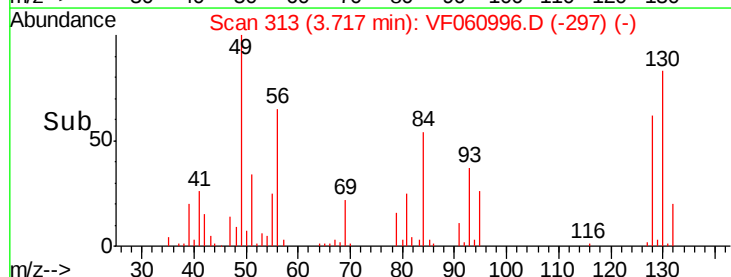
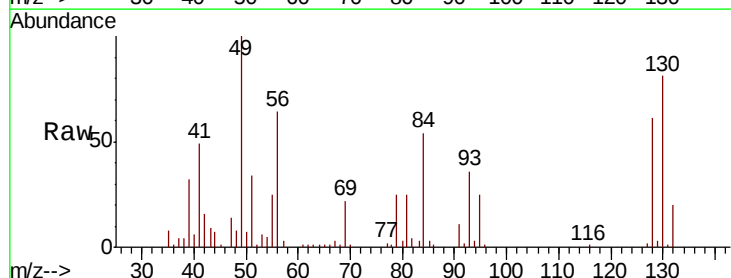
apatel
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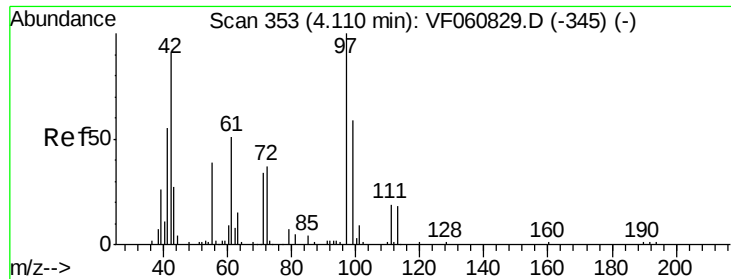


#28

Bromochloromethane
Concen: 48.556 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65686		
129	2.5	0.0	4.4	
130	81.4	64.2	96.4	





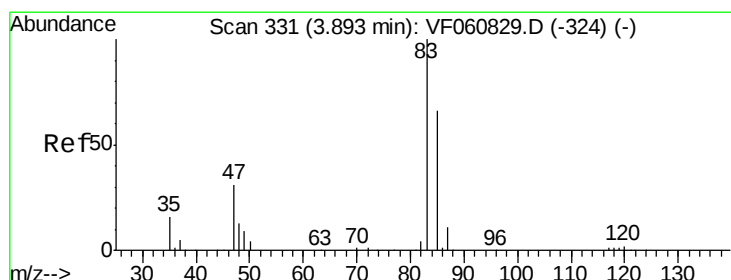
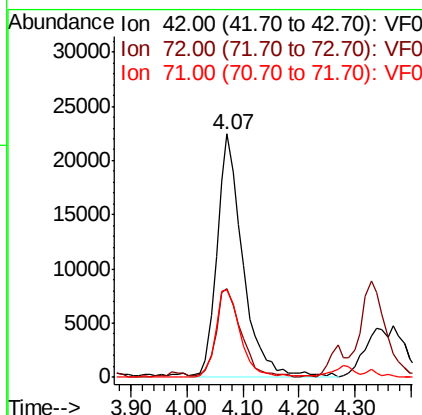
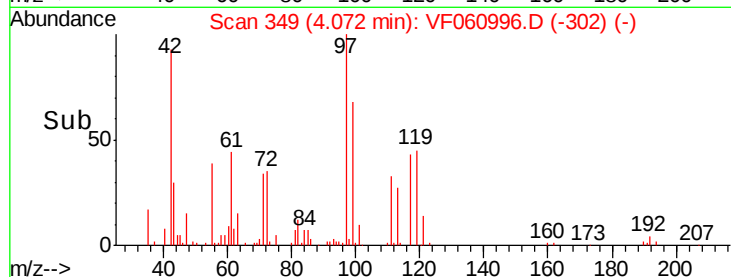
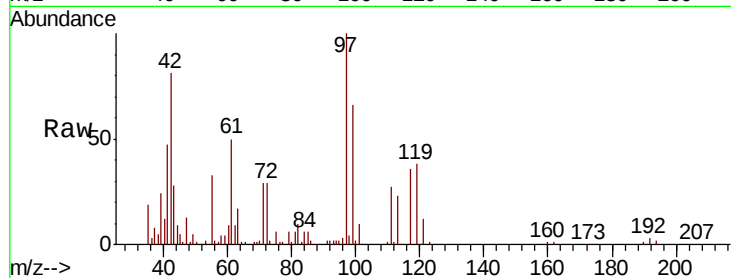
#29
Tetrahydrofuran
Concen: 258.428 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	72591
Ion Ratio	Lower	Upper	
42	100		
72	35.3	31.9	47.9
71	34.4	28.7	43.1

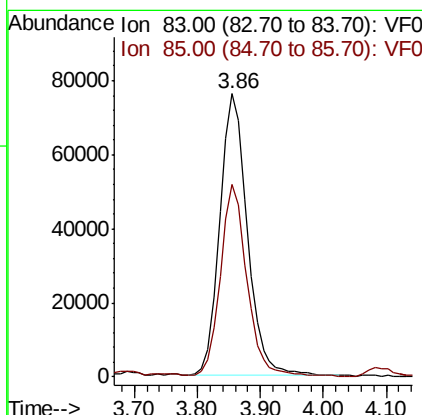
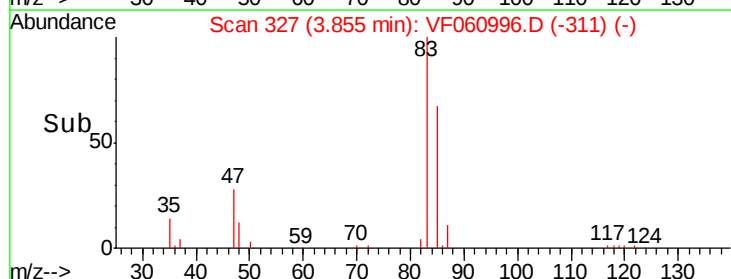
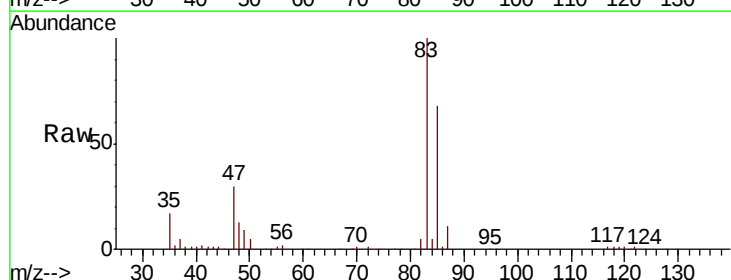
Manual Integrations
APPROVED

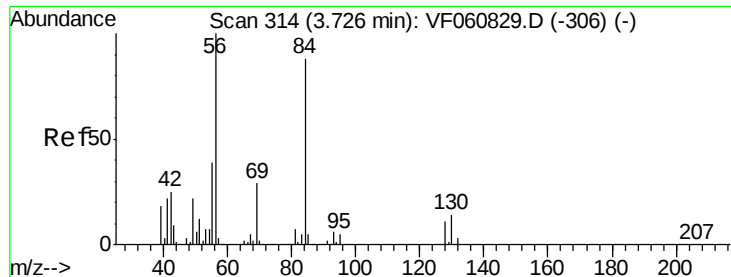
apatel
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#30
Chloroform
Concen: 53.370 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion:	83	Resp:	231534
Ion Ratio	Lower	Upper	
83	100		
85	67.8	53.4	80.2





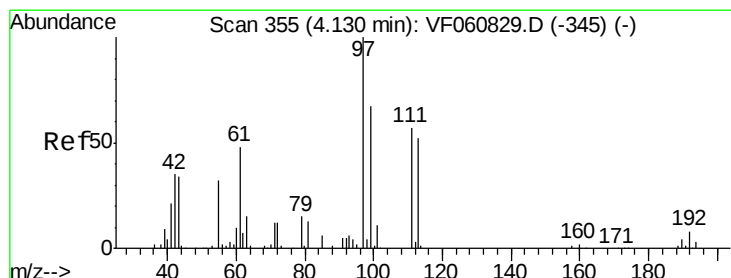
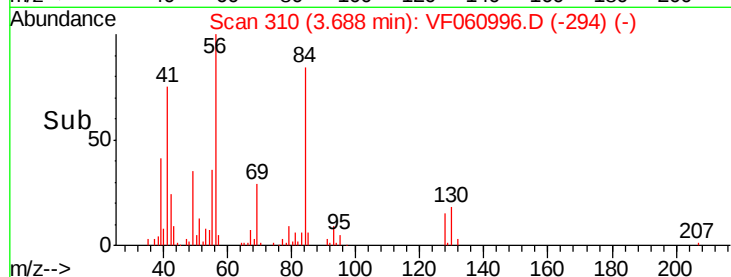
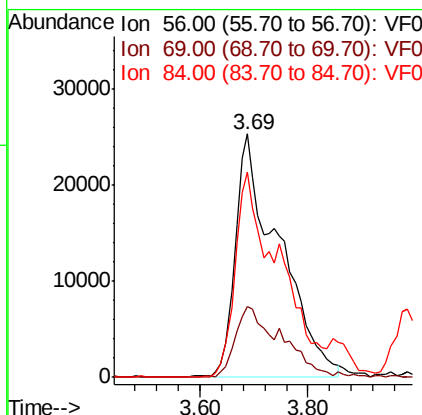
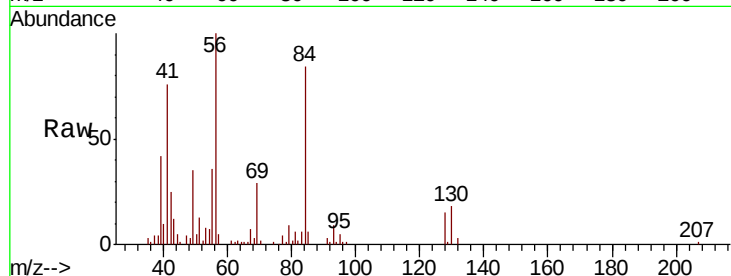
#31
Cyclohexane
Concen: 48.428 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.0	34.4
84	84.2	70.4	105.6

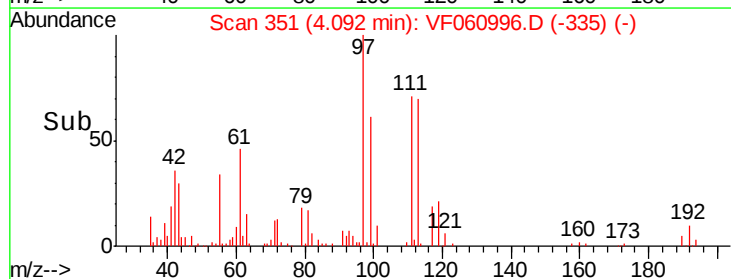
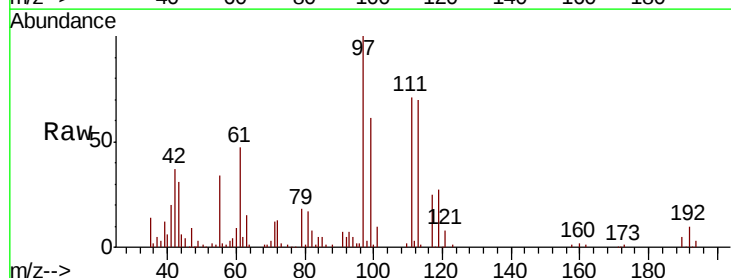
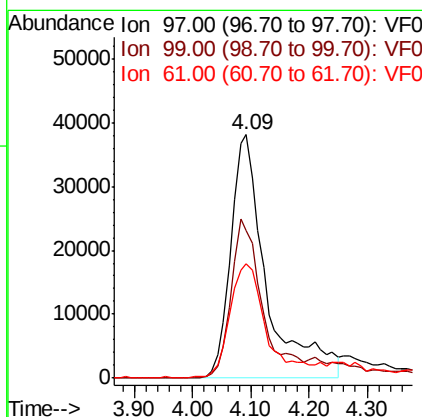
Manual Integrations
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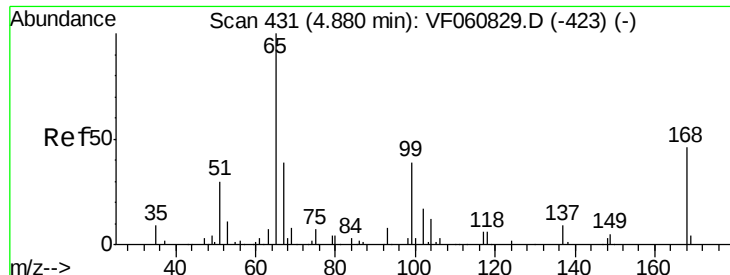
apatel
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#32
1,1,1-Trichloroethane
Concen: 54.446 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.6	53.5	80.3
61	46.8	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 55.585 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 115483

Ion Ratio Lower Upper

65 100

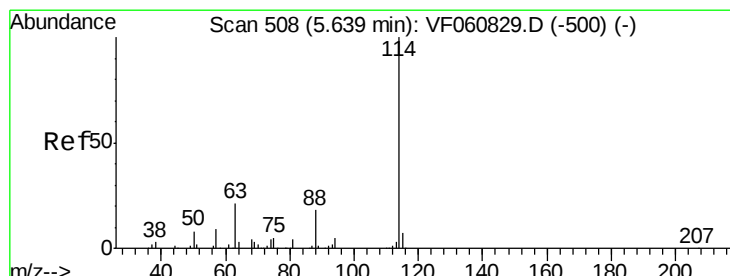
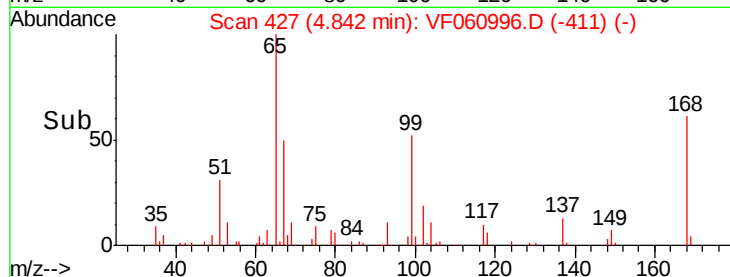
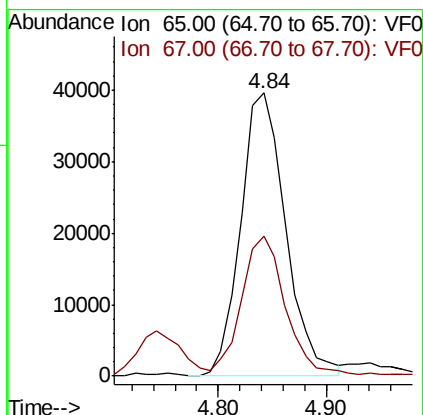
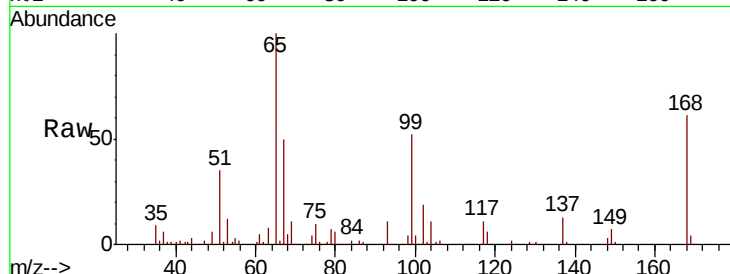
67 49.5 0.0 96.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

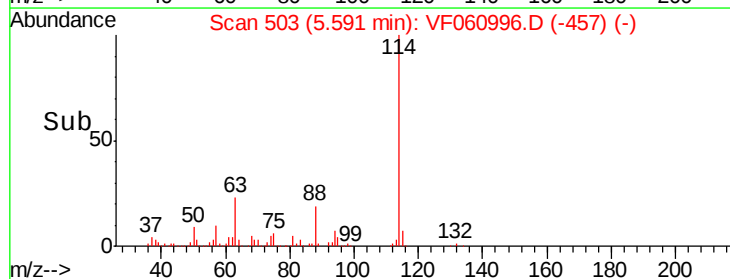
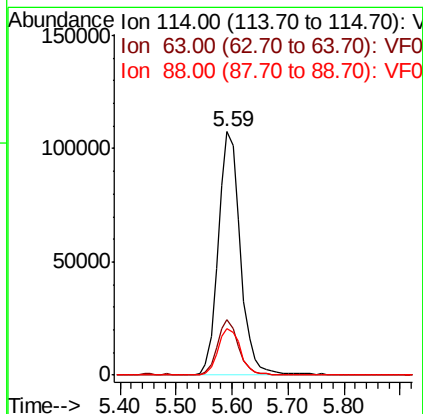
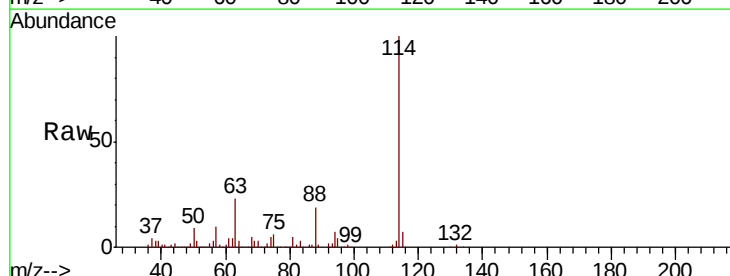
Tgt Ion: 114 Resp: 296353

Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.6

88 19.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.290 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

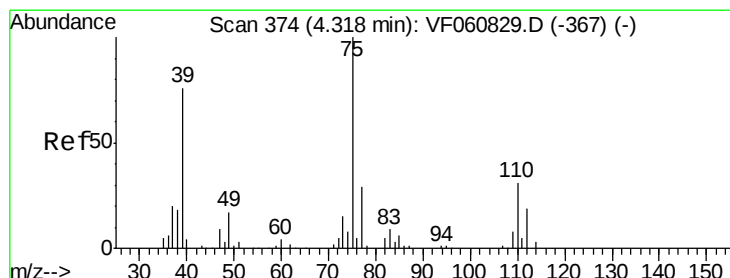
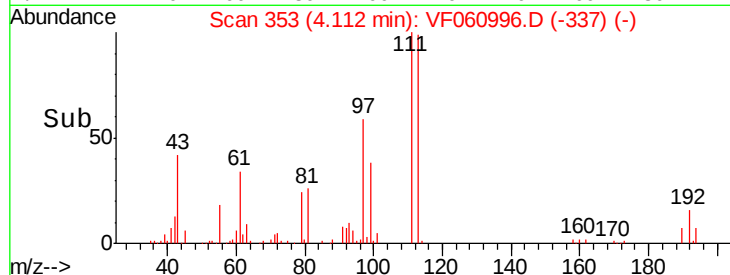
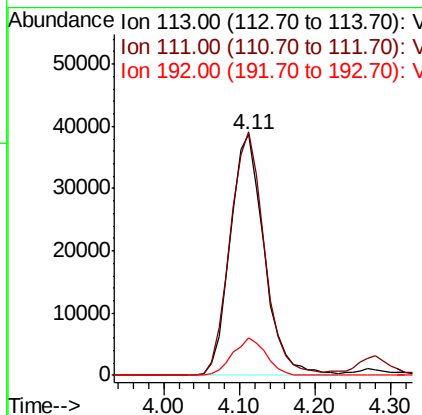
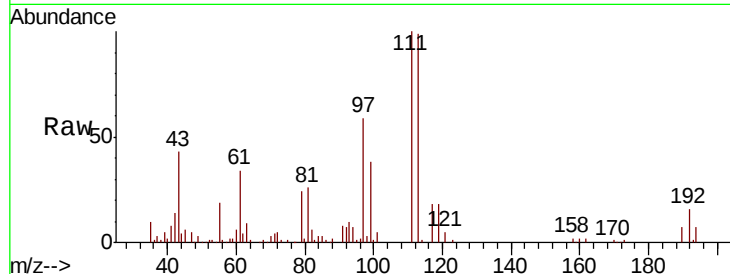
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	120584
Ion Ratio	Lower	Upper	
113	100		
111	101.0	83.0	124.6
192	15.8	12.3	18.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.971 ug/l

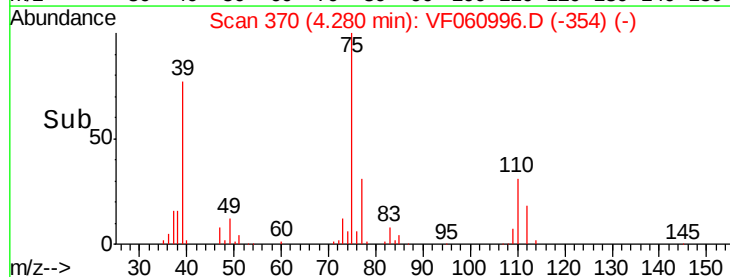
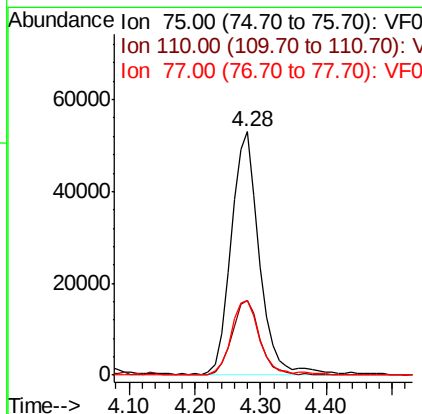
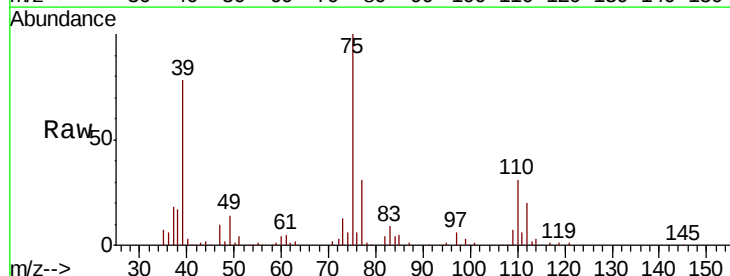
RT: 4.28 min Scan# 370

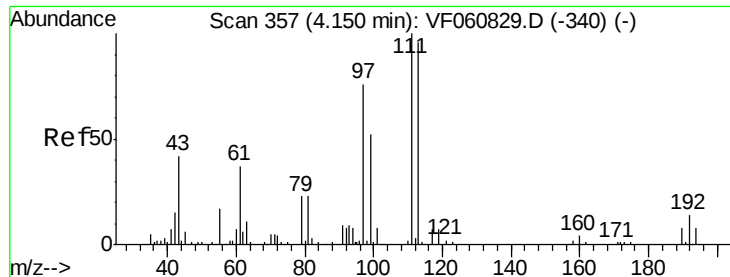
Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion:	75	Resp:	157684
Ion Ratio	Lower	Upper	
75	100		
110	30.6	15.6	46.8
77	30.7	23.4	35.0





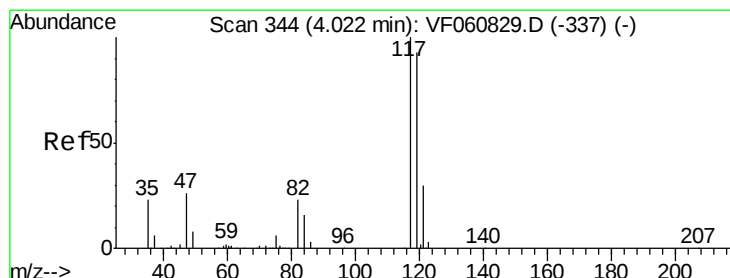
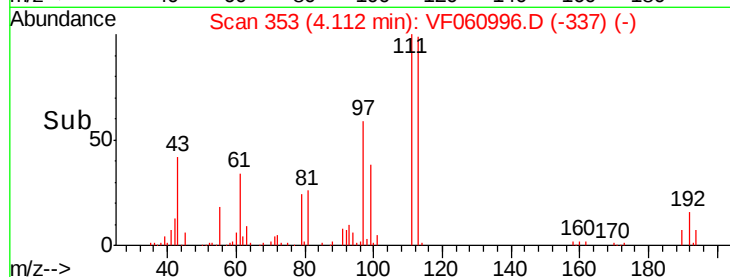
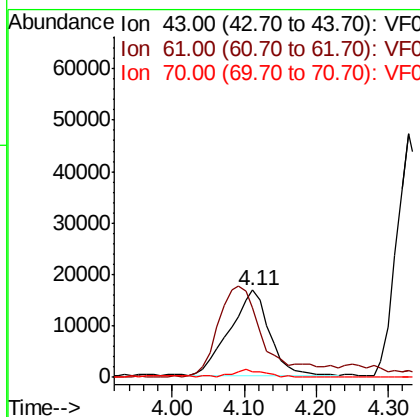
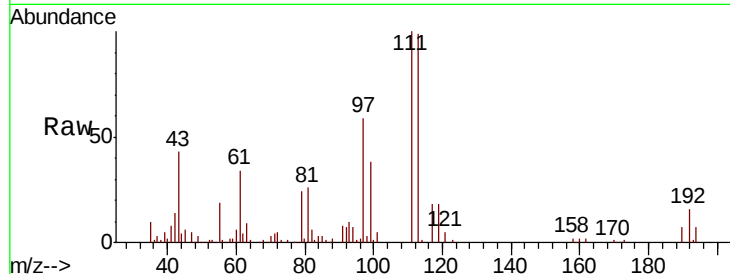
#37
Ethyl Acetate
Concen: 47.390 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	63302		
Ratio	100	79.4	6.9
Lower		68.6	9.0
Upper		103.0	13.4

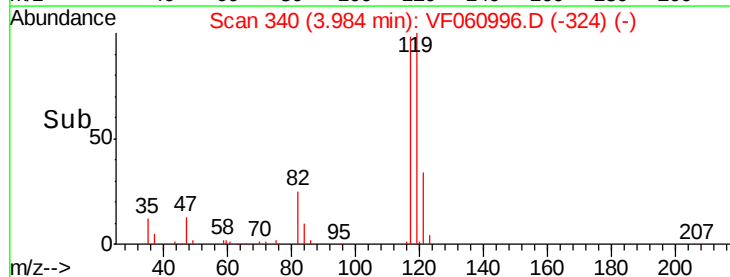
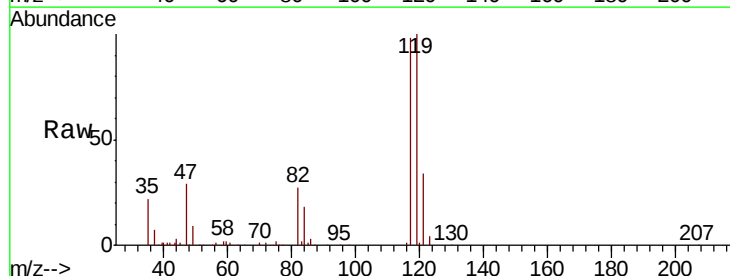
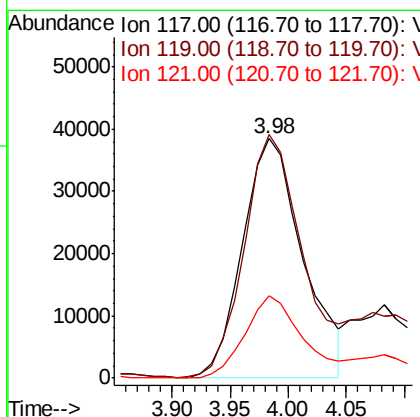
Manual Integrations
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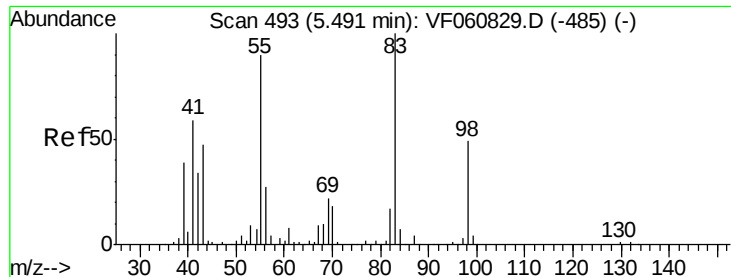
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#38
Carbon Tetrachloride
Concen: 47.677 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	117	119	121
Resp	138419		
Ratio	100	101.7	34.6
Lower		74.4	23.5
Upper		111.6	35.3





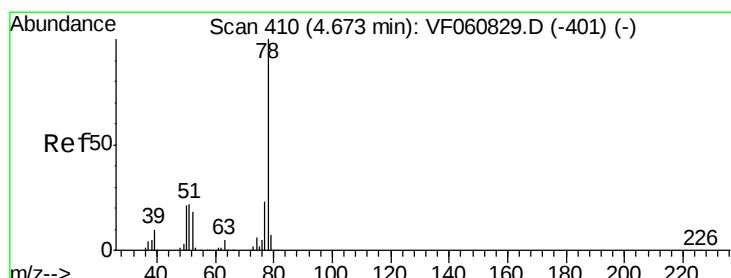
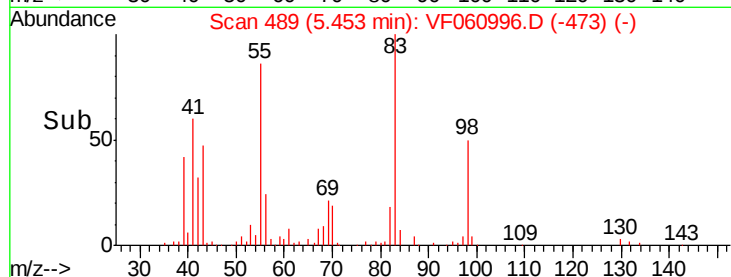
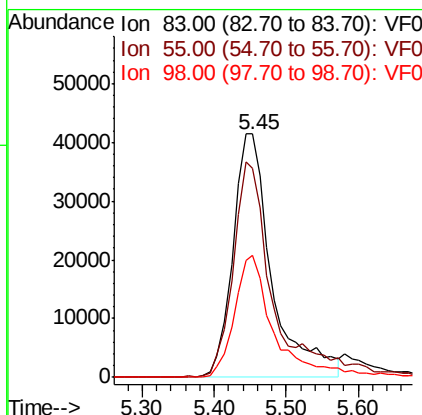
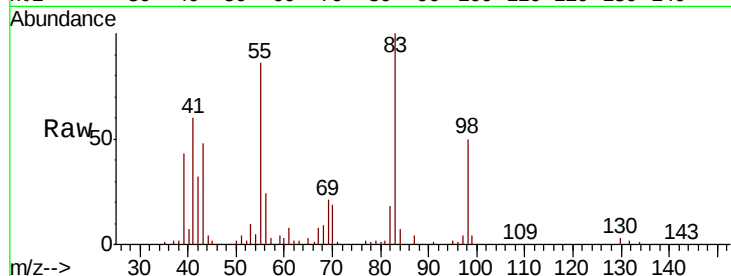
#39
Methvlcvclohexane
Concen: 45.452 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	72.1	108.1
98	50.1	39.1	58.7

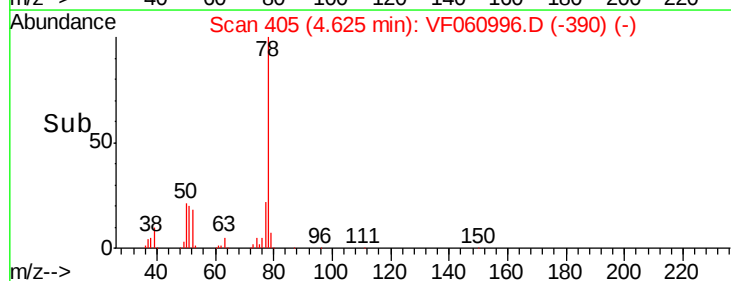
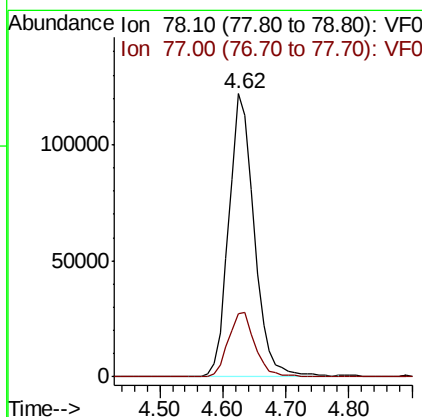
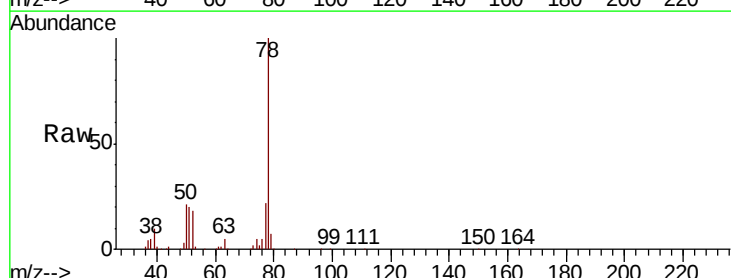
Manual Integrations
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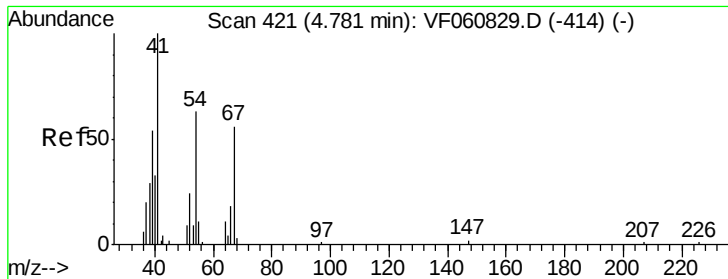
apatel
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#40
Benzene
Concen: 46.903 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.05 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.7	28.1





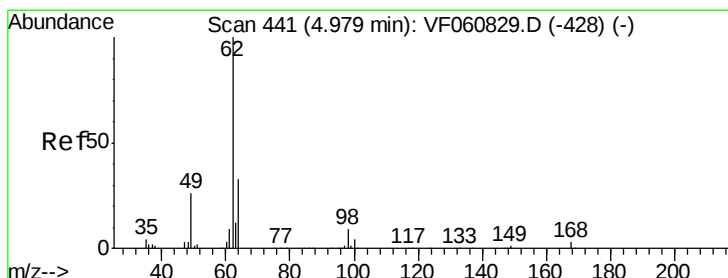
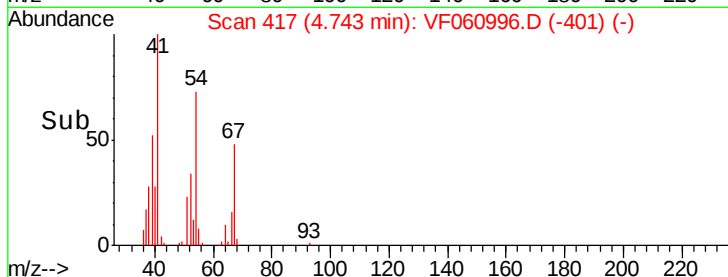
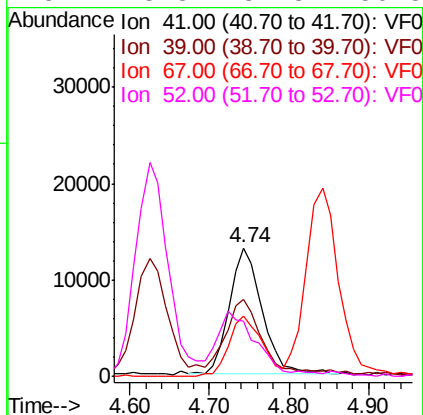
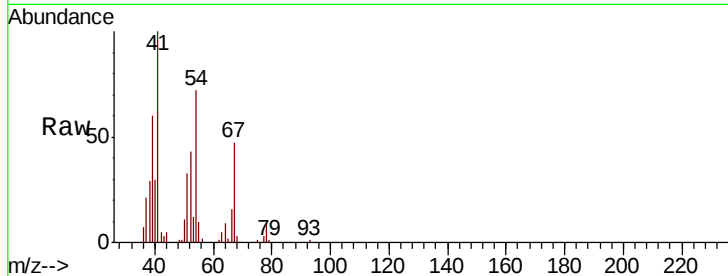
#41
Methacrylonitrile
Concen: 54.636 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	53.0	79.6
67	47.3	43.8	65.6
52	43.3	37.8	56.8

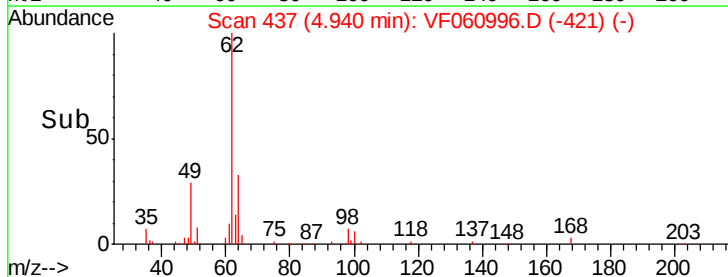
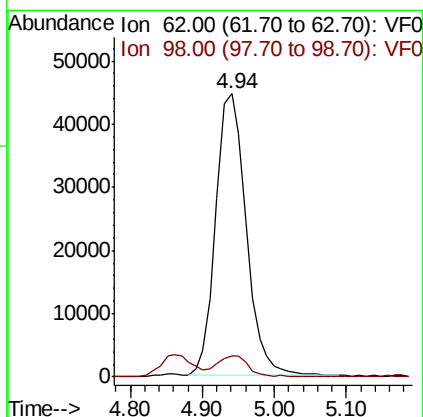
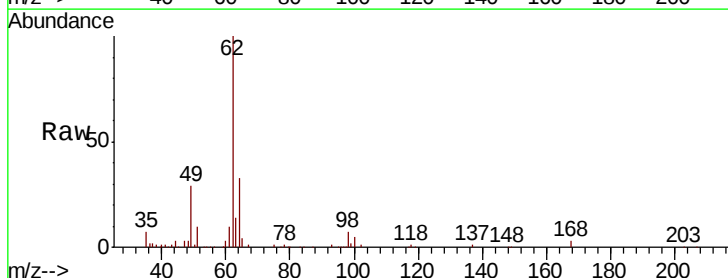
Manual Integrations
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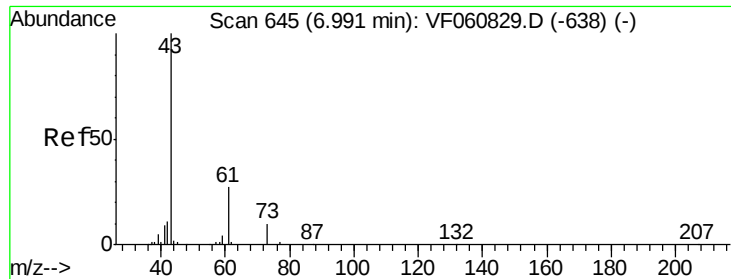
apatel
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#42
1,2-Dichloroethane
Concen: 49.372 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	17.2





#43

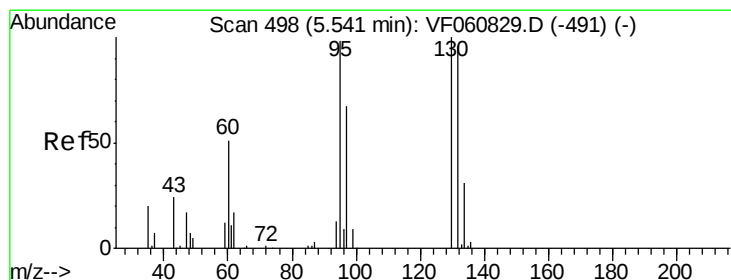
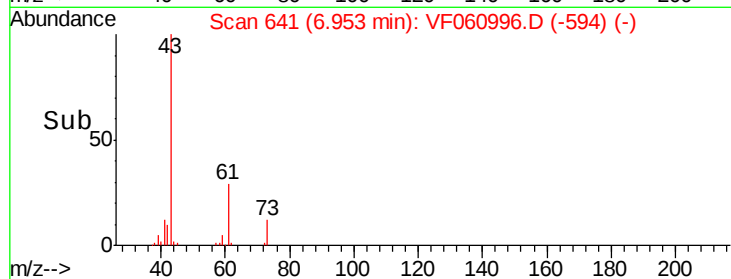
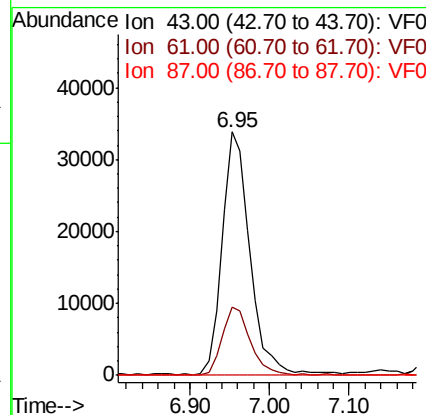
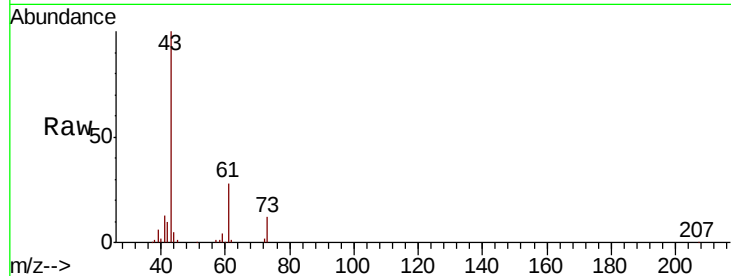
Isopropyl Acetate
 Concen: 50.958 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.04 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	83898
Ion Ratio	100	Lower	Upper
43	100		
61	27.8	21.4	32.0
87	0.0	0.2	0.4

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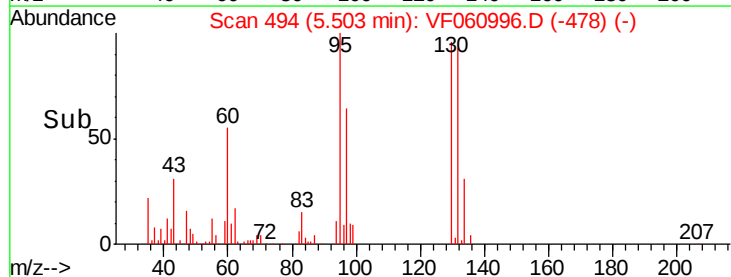
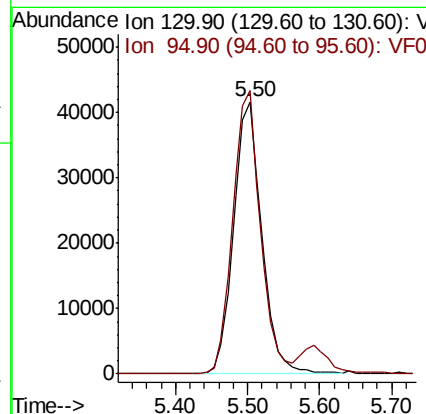
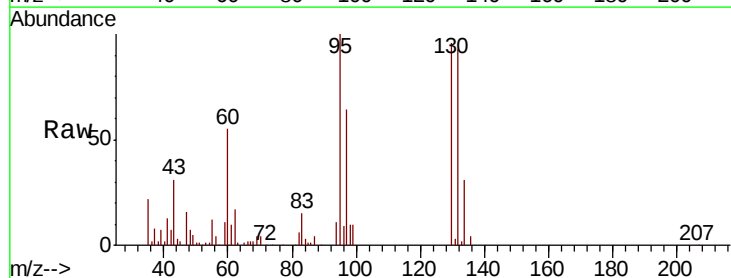
apatel
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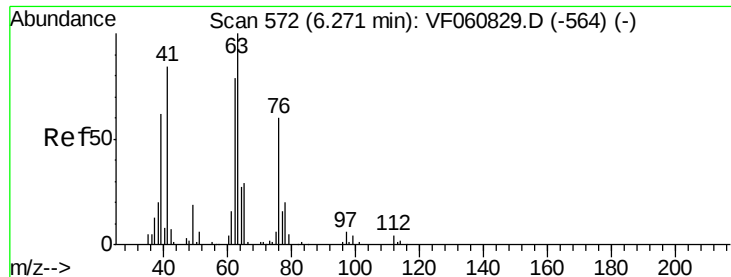


#44

Trichloroethene
 Concen: 47.889 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.04 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion	130	Resp	113706
Ion Ratio	100	Lower	Upper
130	100		
95	103.9	0.0	195.6





#45

1,2-Dichloropropane

Concen: 50.951 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 96093

Ion Ratio Lower Upper

63 100

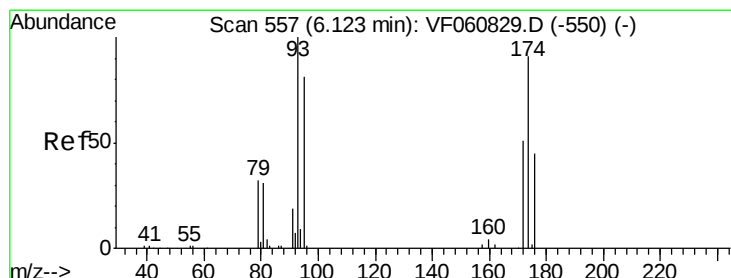
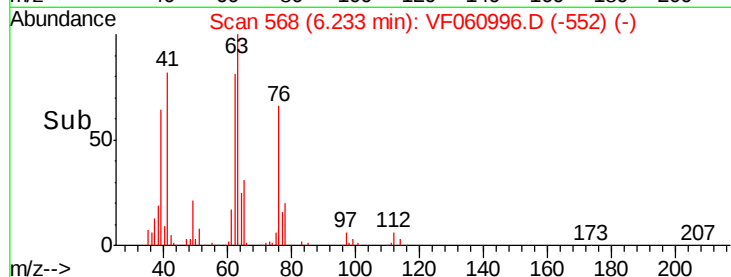
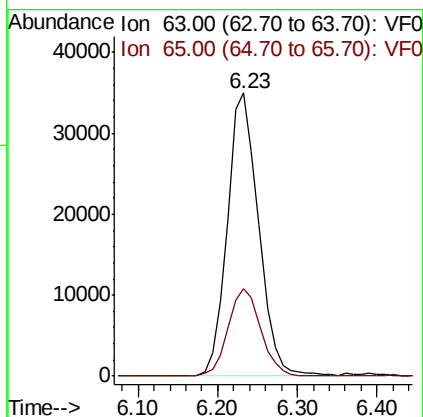
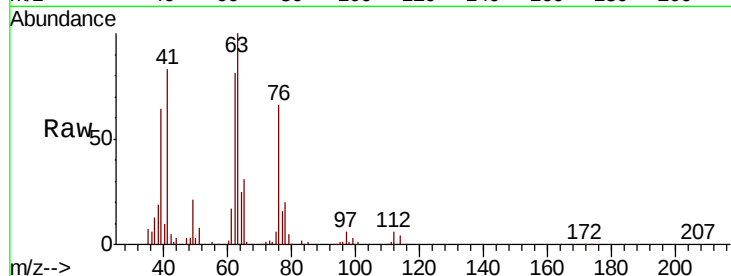
65 30.8 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 50.718 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

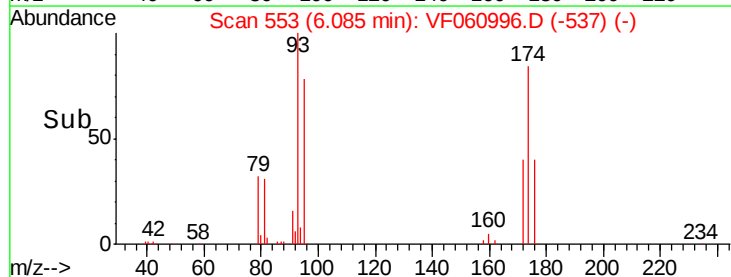
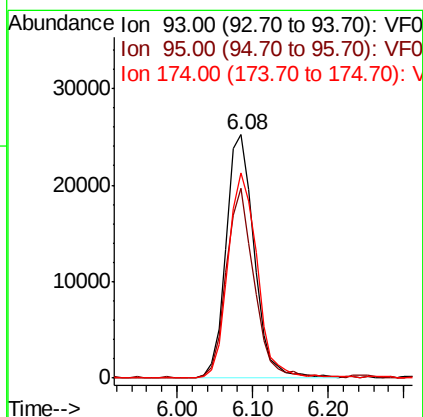
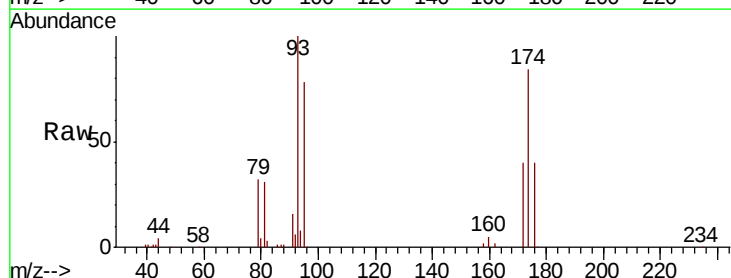
Tgt Ion: 93 Resp: 64887

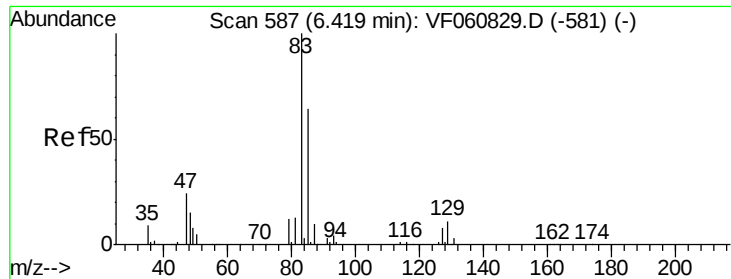
Ion Ratio Lower Upper

93 100

95 77.9 64.7 97.1

174 84.2 73.0 109.6





#47

Bromodichloromethane

Concen: 52.532 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

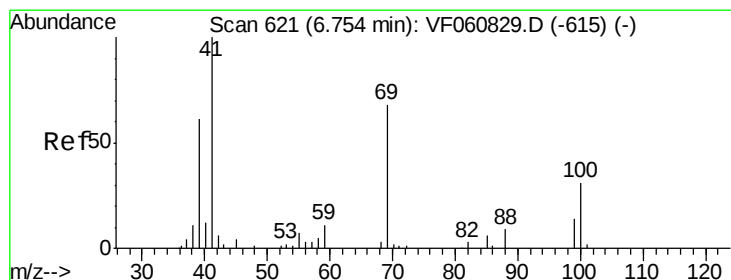
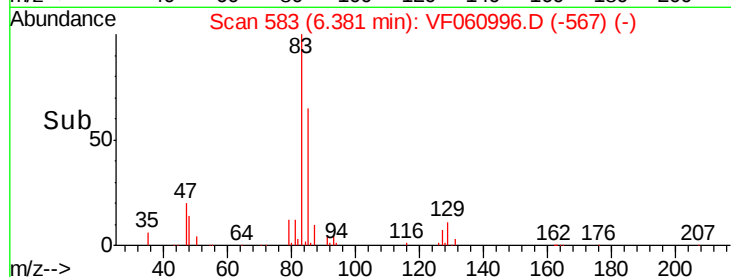
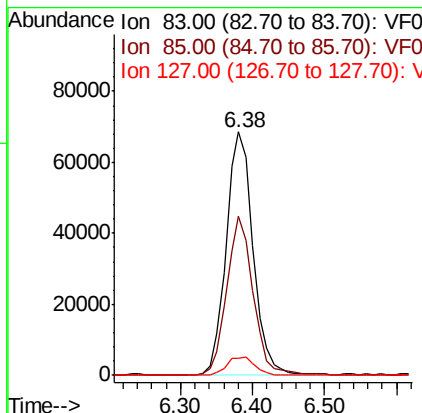
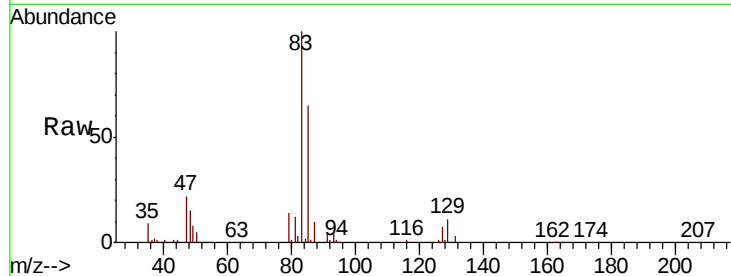
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	178504
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.1	76.7
127	7.0	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.765 ug/l

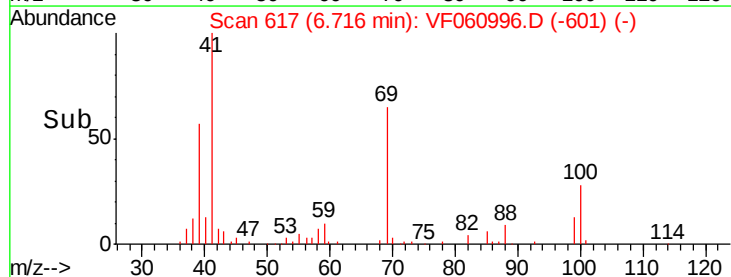
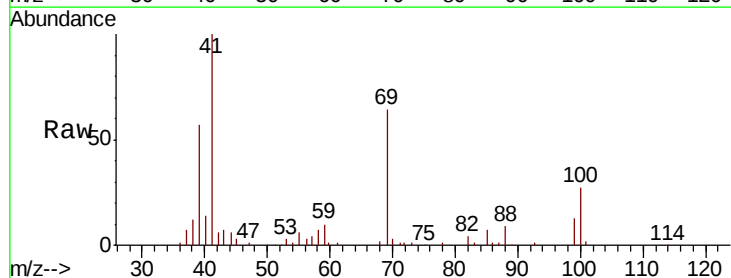
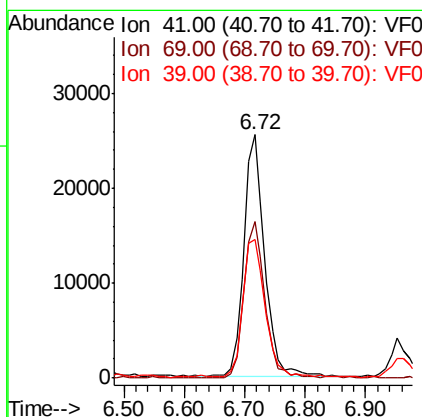
RT: 6.72 min Scan# 617

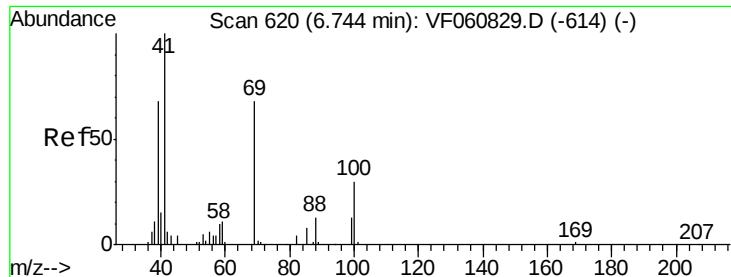
Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion:	41	Resp:	61380
Ion Ratio	Lower	Upper	
41	100		
69	64.2	53.9	80.9
39	56.9	49.0	73.6





#49

1,4-Dioxane

Concen: 823.364 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.05 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

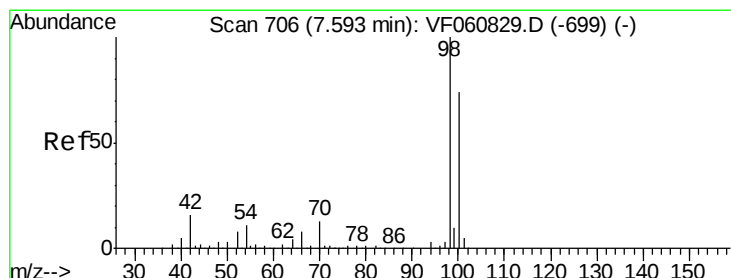
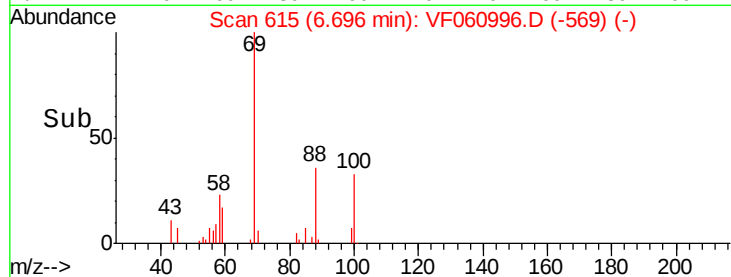
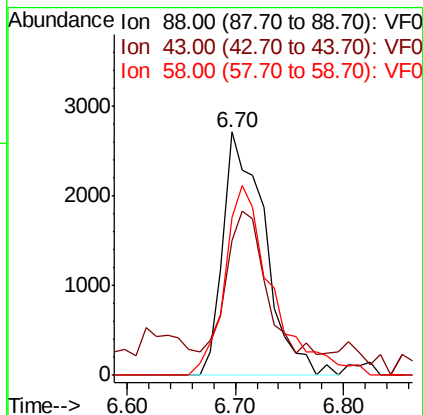
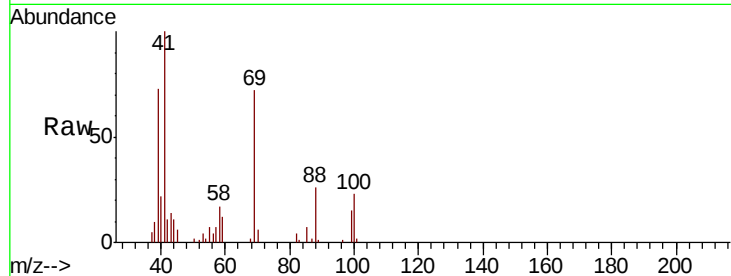
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	7286
Ion	Ratio	Lower	Upper
88	100		
43	55.6	42.0	63.0
58	64.7	61.8	92.8

Manual Integrations
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#50

Toluene-d8

Concen: 50.352 ug/l

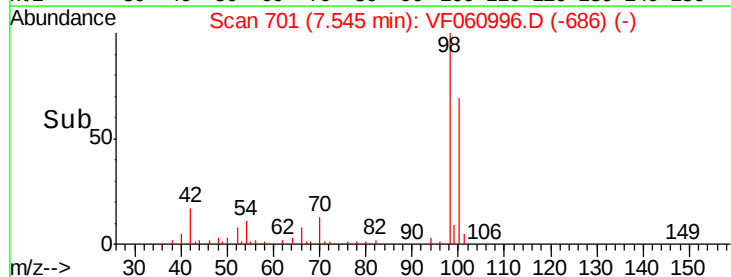
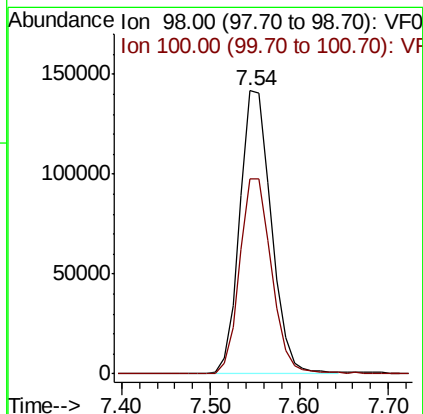
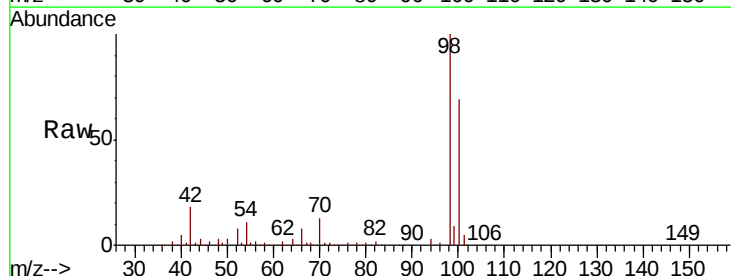
RT: 7.54 min Scan# 701

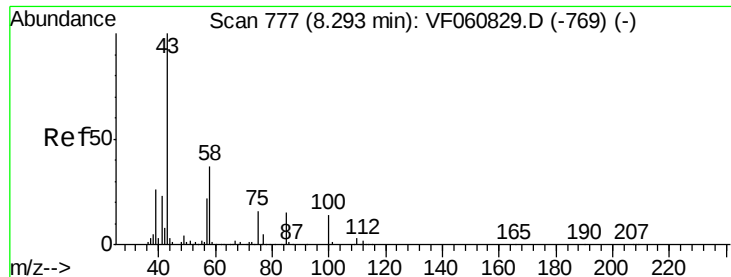
Delta R.T. -0.05 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion:	98	Resp:	348712
Ion	Ratio	Lower	Upper
98	100		
100	69.0	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 247.904 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 305366

Ion Ratio Lower Upper

43 100

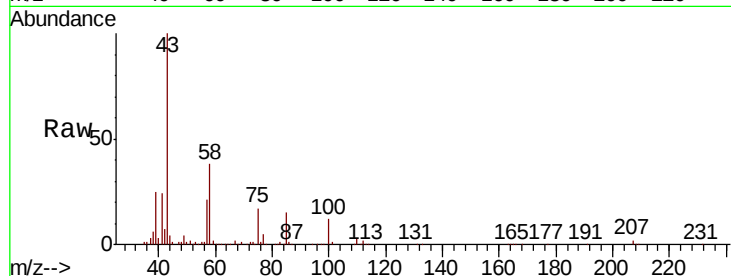
58 37.8 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

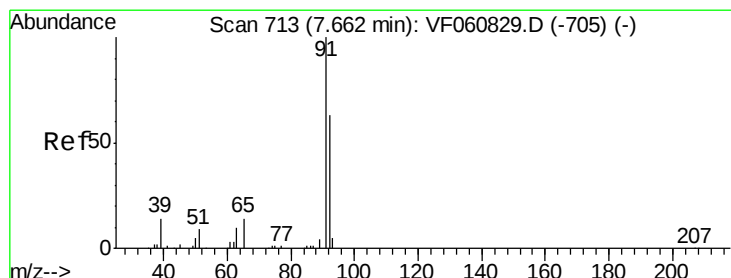
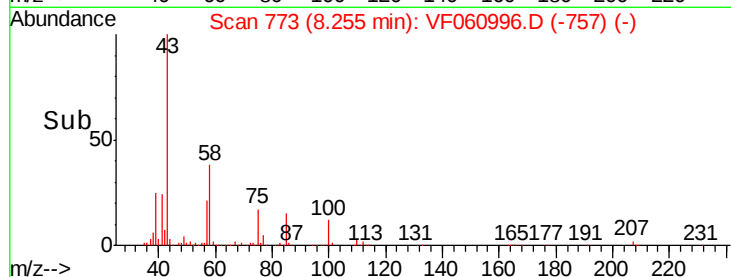
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 46.908 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF060996.D

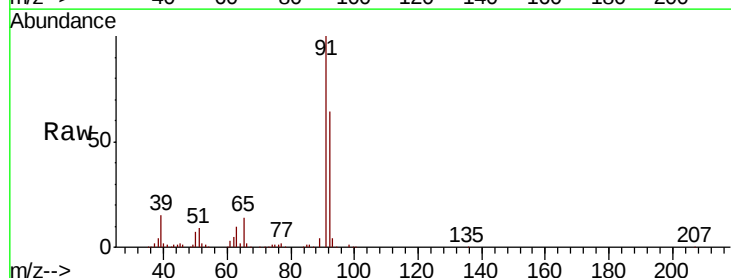
Acq: 12 Dec 2018 15:08

Tgt Ion: 92 Resp: 239266

Ion Ratio Lower Upper

92 100

91 156.1 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

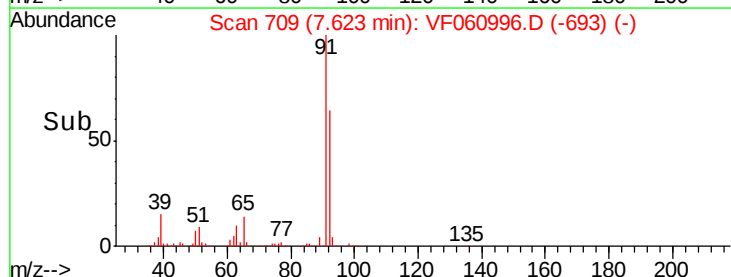
100000

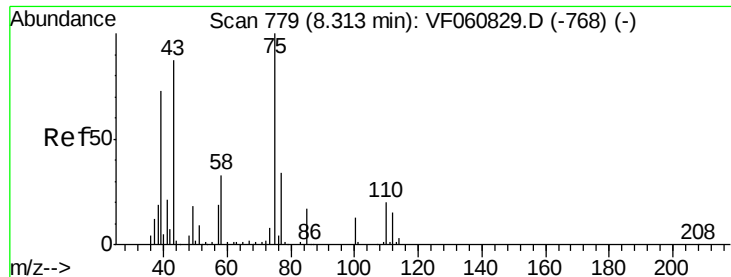
50000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.600 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 139858

Ion Ratio Lower Upper

75 100

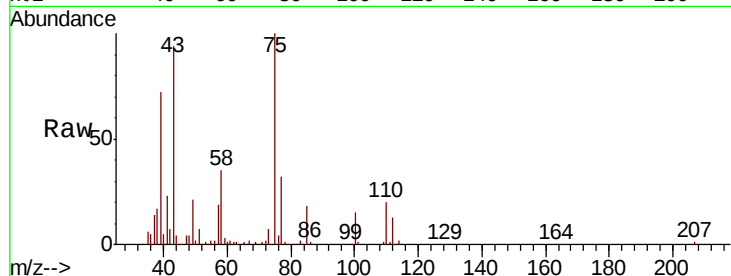
77 32.0 27.4 41.2

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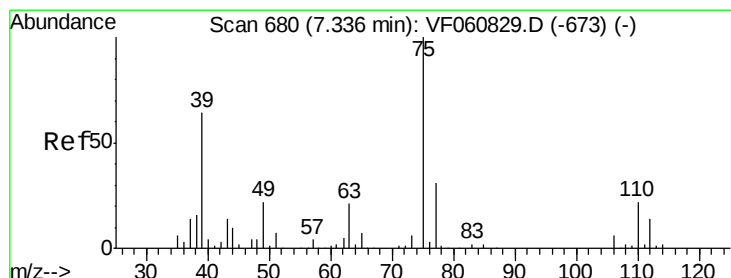
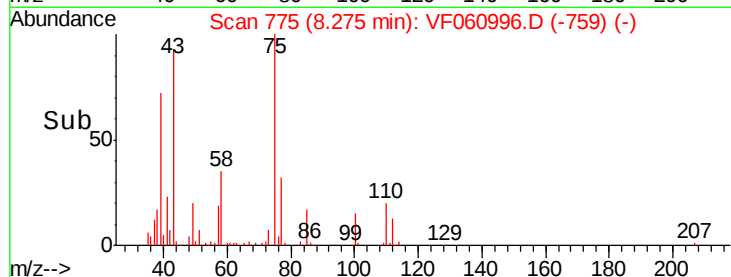
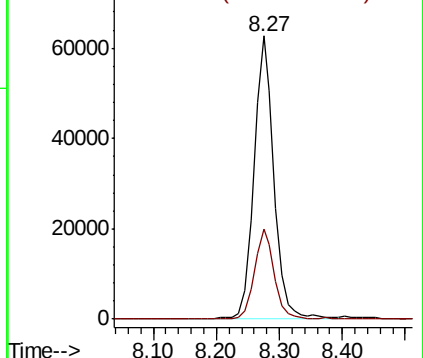
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 49.205 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

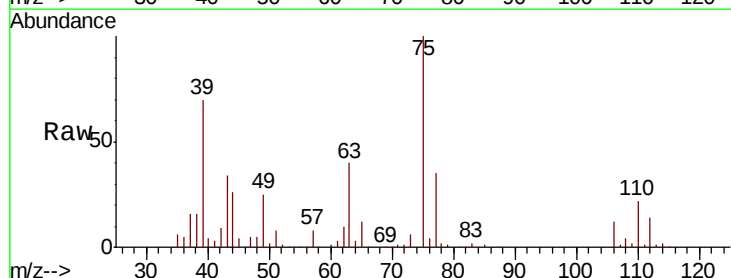
Tgt Ion: 75 Resp: 168369

Ion Ratio Lower Upper

75 100

77 35.0 25.0 37.6

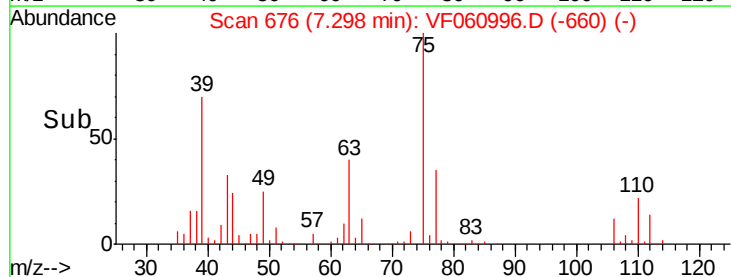
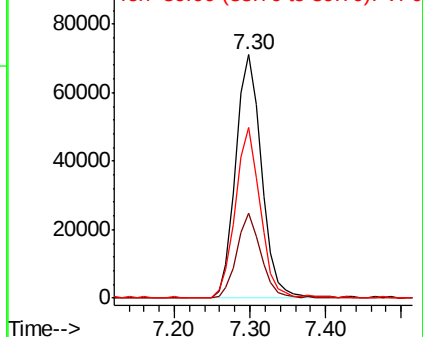
39 70.0 51.1 76.7

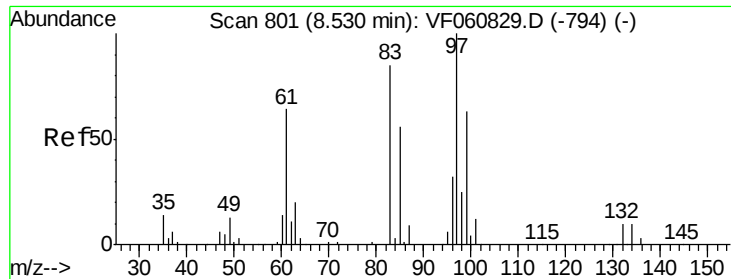


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 49.682 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

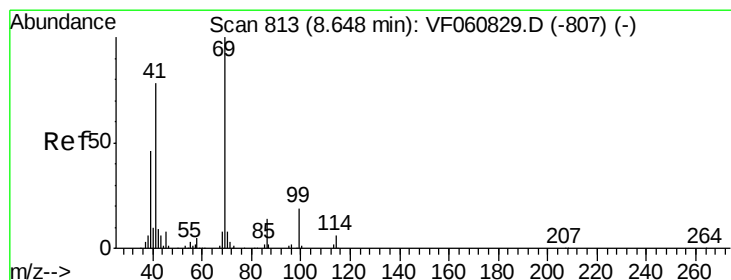
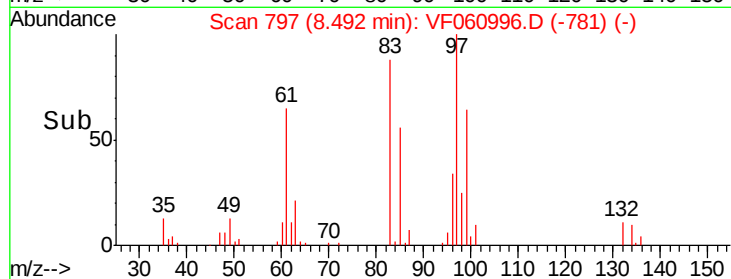
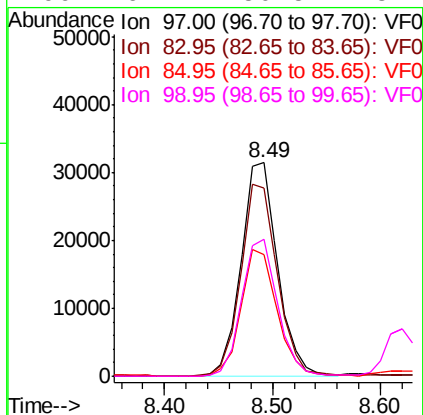
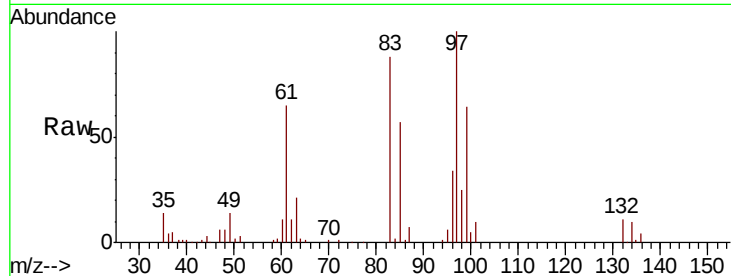
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	73842
Ion	Ratio	Lower	Upper
97	100		
83	87.9	67.8	101.6
85	56.7	45.0	67.6
99	64.2	50.5	75.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.964 ug/l

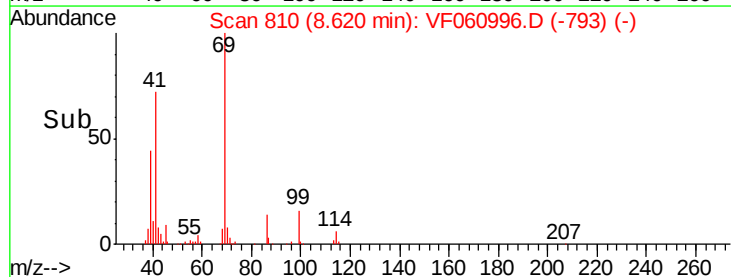
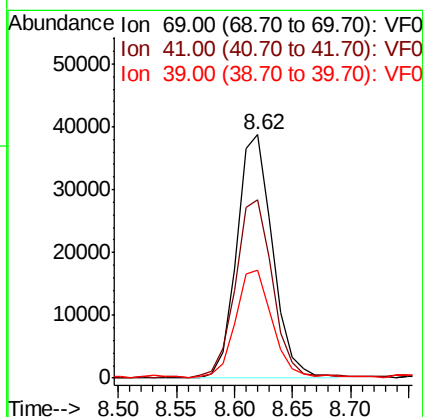
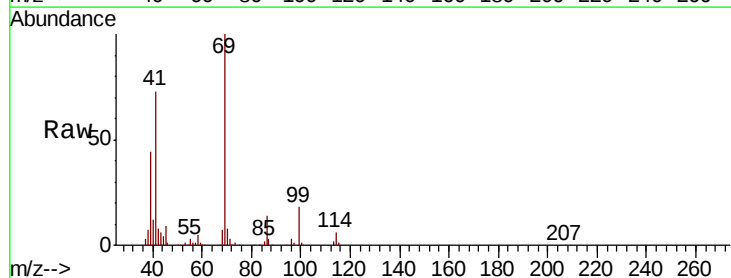
RT: 8.62 min Scan# 810

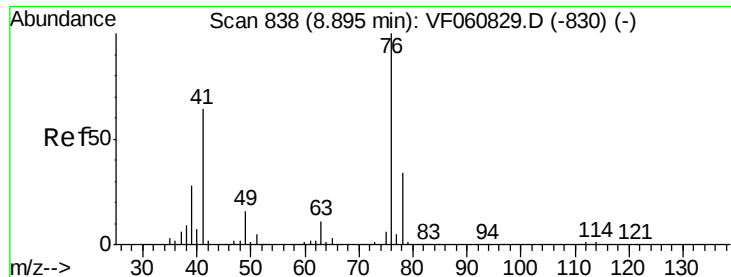
Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion:	69	Resp:	82495
Ion	Ratio	Lower	Upper
69	100		
41	73.4	62.6	94.0
39	44.5	37.8	56.6





#57

1,3-Dichloropropane

Concen: 51.205 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.05 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 133150

Ion Ratio Lower Upper

76 100

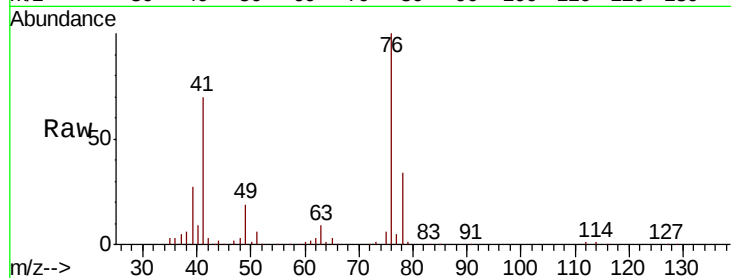
78 34.2 27.0 40.4

Manual Integrations

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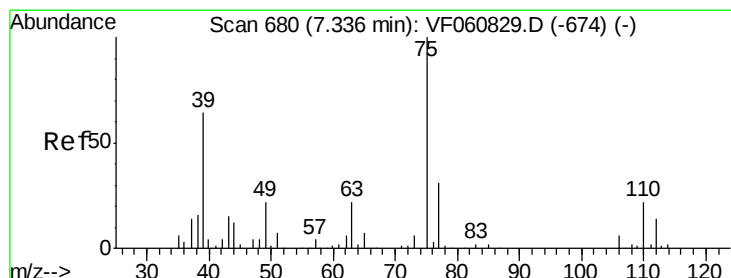
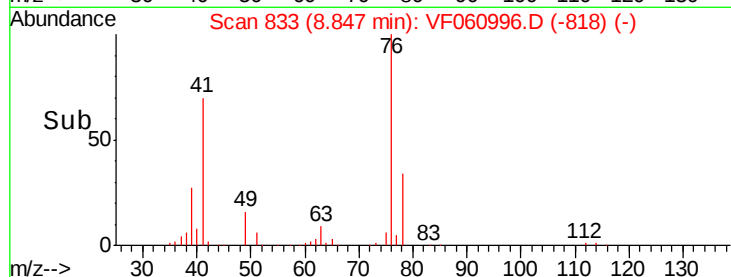
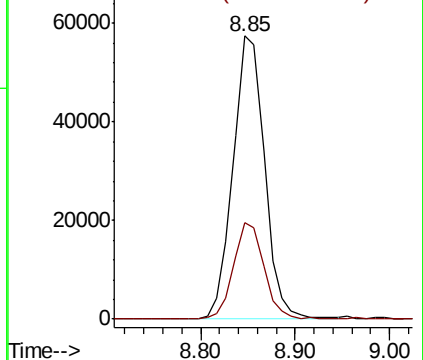
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 424.289 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF060996.D

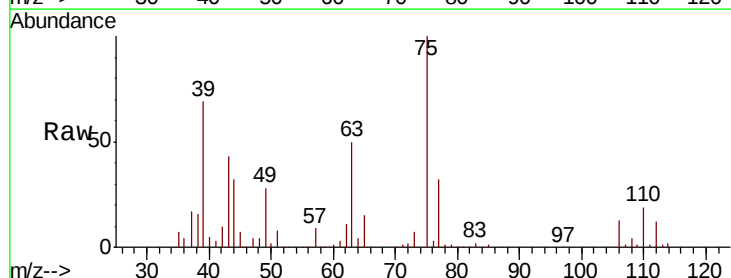
Acq: 12 Dec 2018 15:08

Tgt Ion: 63 Resp: 71655

Ion Ratio Lower Upper

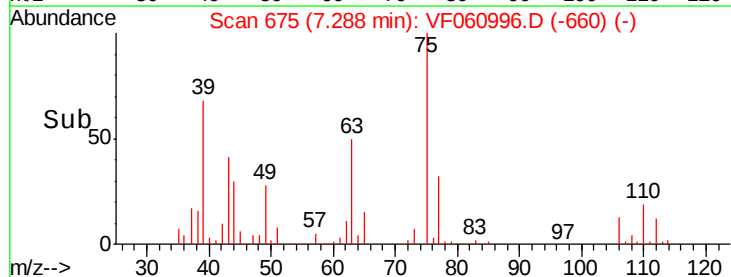
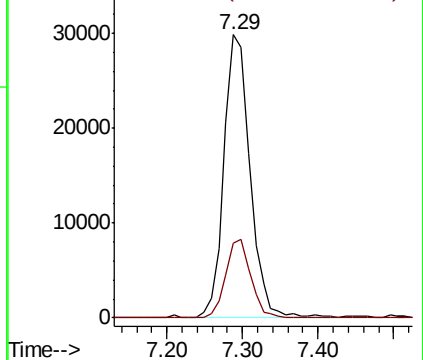
63 100

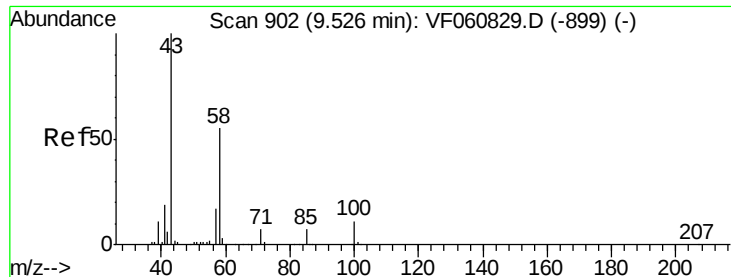
106 26.5 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





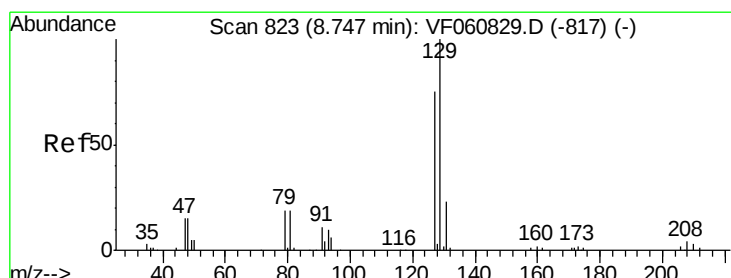
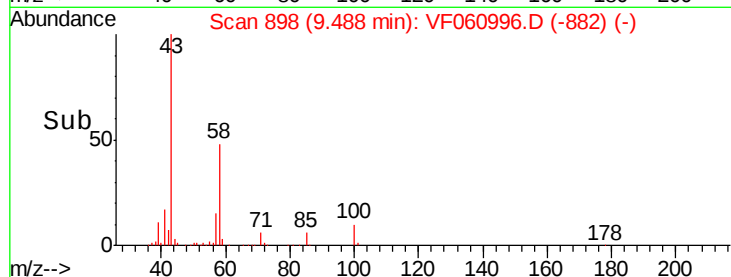
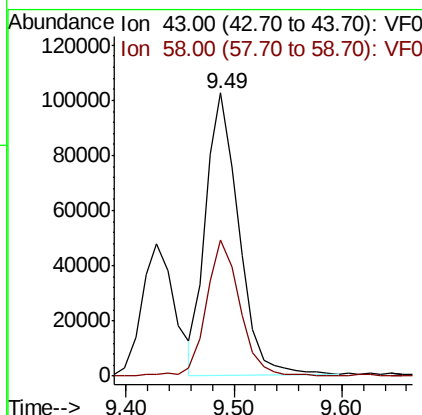
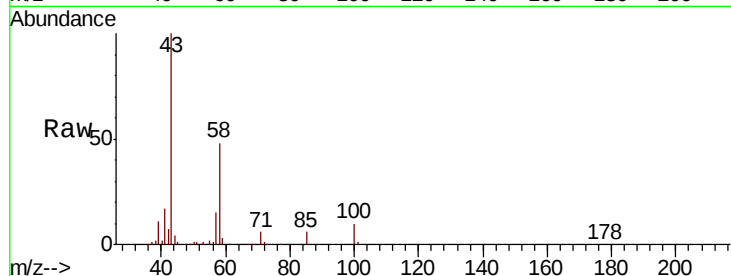
#59
2-Hexanone
Concen: 249.533 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	25.6	76.6

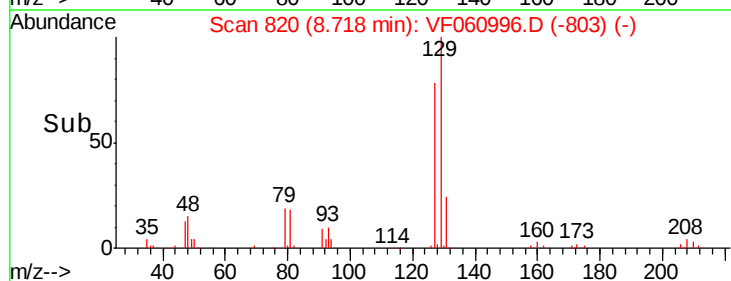
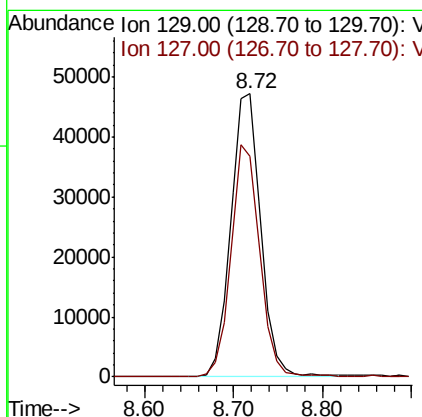
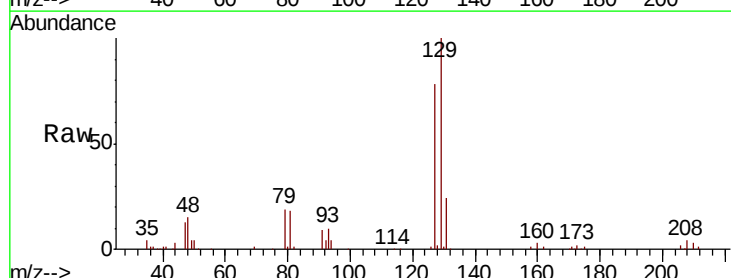
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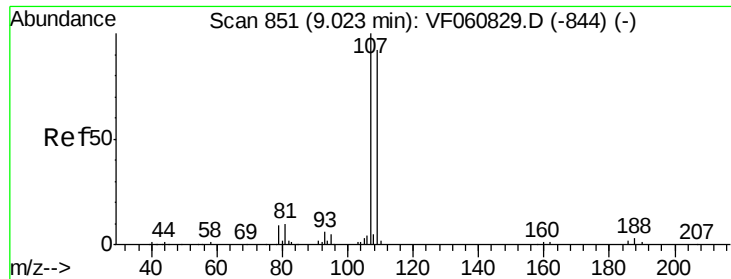
apatel
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#60
Dibromochloromethane
Concen: 50.129 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	37.3	111.9





#61

1,2-Dibromoethane

Concen: 49.198 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 78993

Ion Ratio Lower Upper

107 100

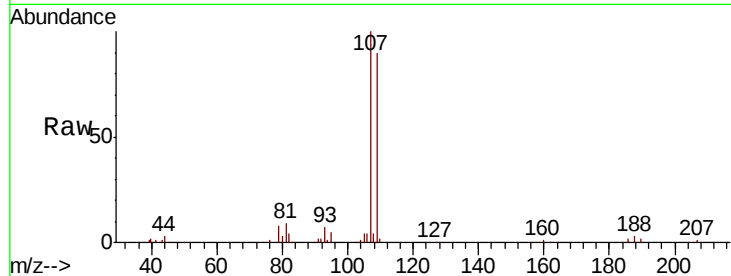
109 89.7 73.6 110.4

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.98

40000

30000

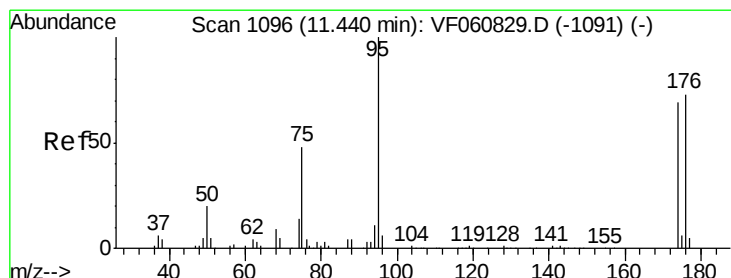
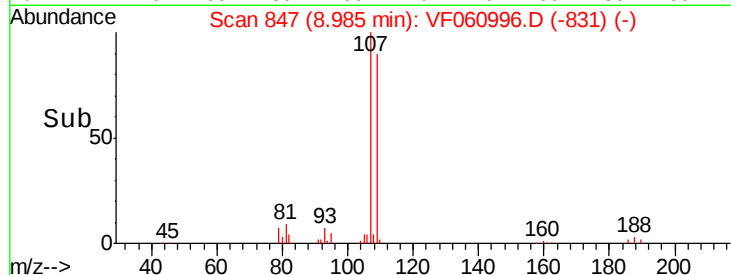
20000

10000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 50.978 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

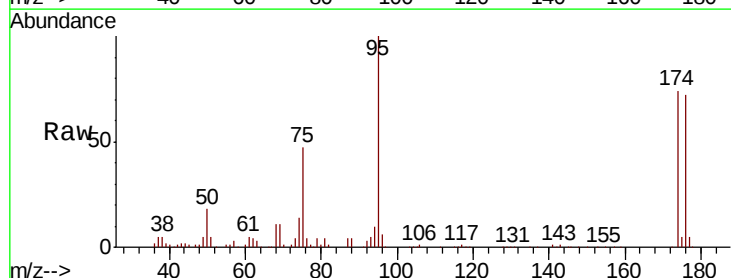
Tgt Ion: 95 Resp: 160454

Ion Ratio Lower Upper

95 100

174 74.4 0.0 138.2

176 72.4 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

120000

100000

80000

60000

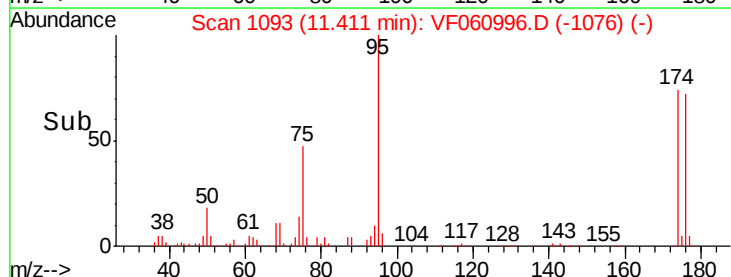
40000

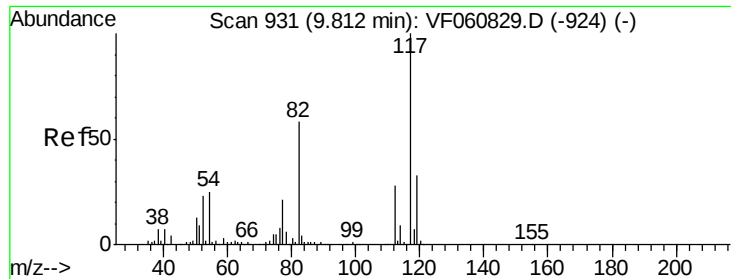
20000

0

Time-->

11.30 11.40 11.50





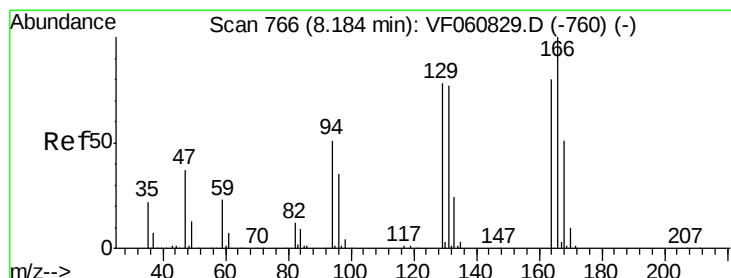
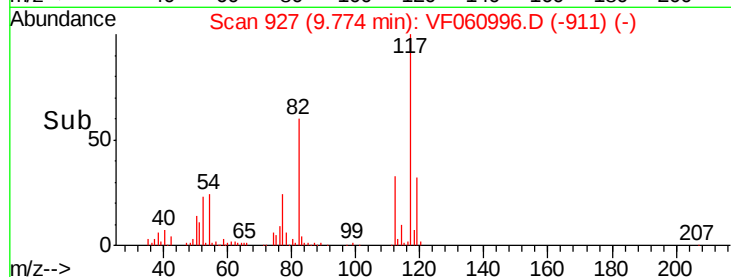
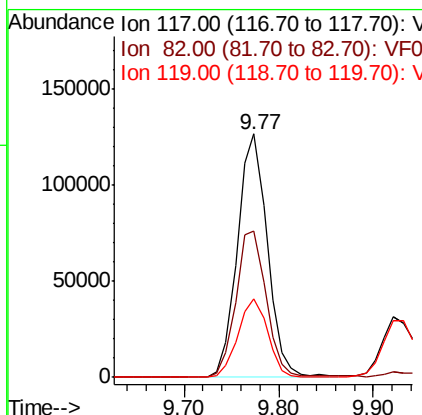
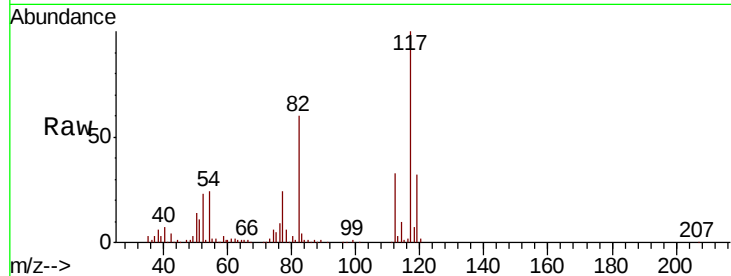
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	117	Resp:	277916
Ion Ratio	Lower	Upper	
117	100		
82	59.9	46.6	69.8
119	32.4	26.4	39.6

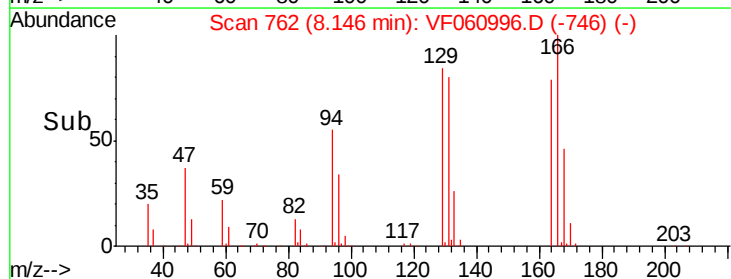
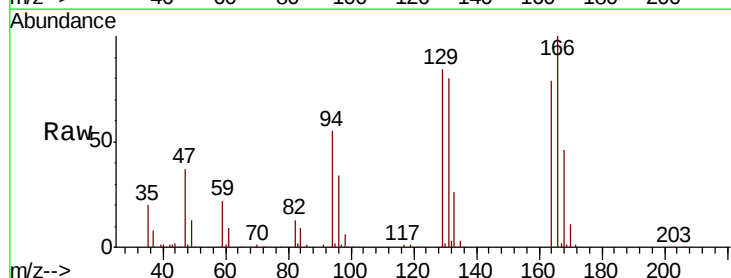
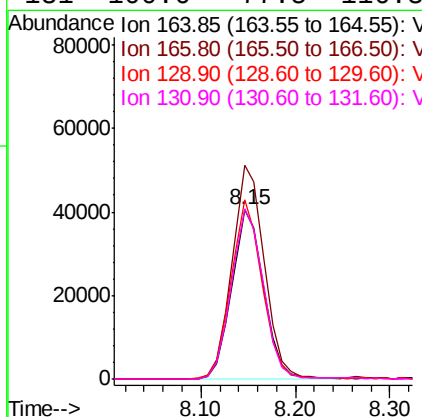
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#64
Tetrachloroethene
Concen: 44.528 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion:	164	Resp:	94521
Ion Ratio	Lower	Upper	
164	100		
166	126.1	100.3	150.5
129	105.5	77.9	116.9
131	100.6	77.5	116.3





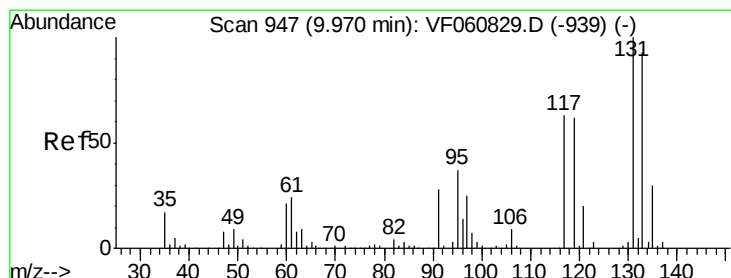
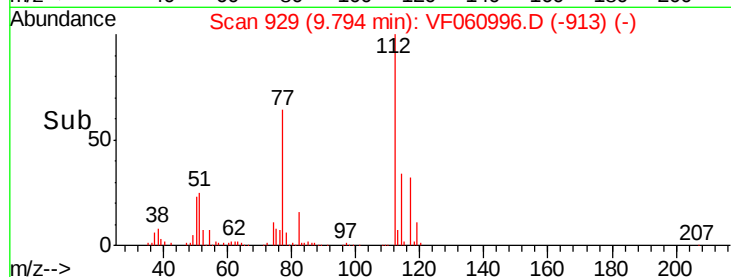
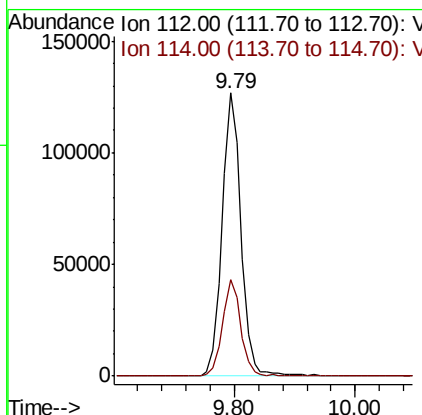
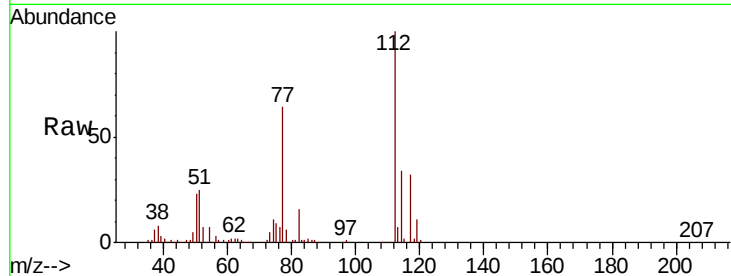
#65
Chlorobenzene
Concen: 51.051 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0

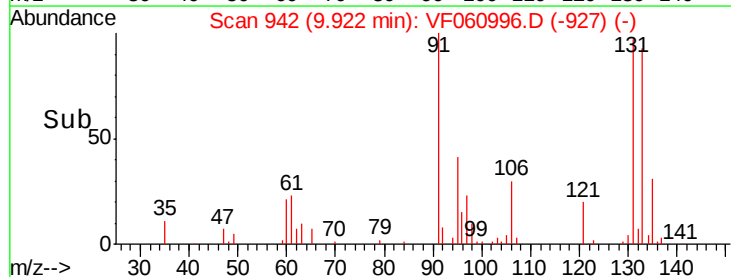
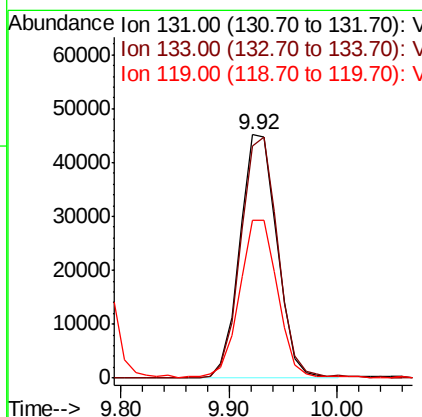
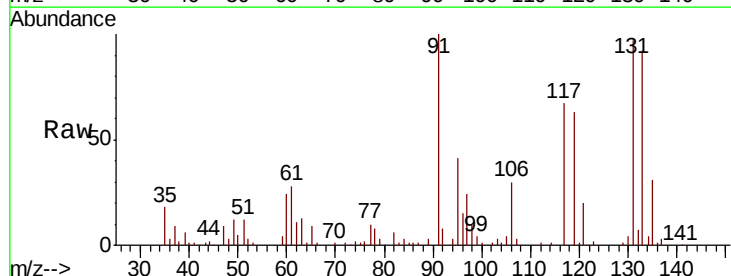
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.645 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.05 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	46.5	139.3
119	65.0	31.1	93.3





#67

Ethyl Benzene

Concen: 48.582 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 488994

Ion Ratio Lower Upper

91 100

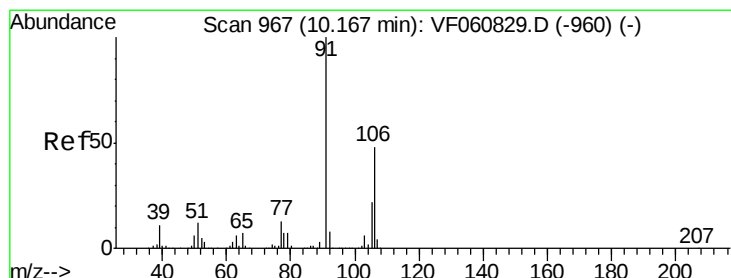
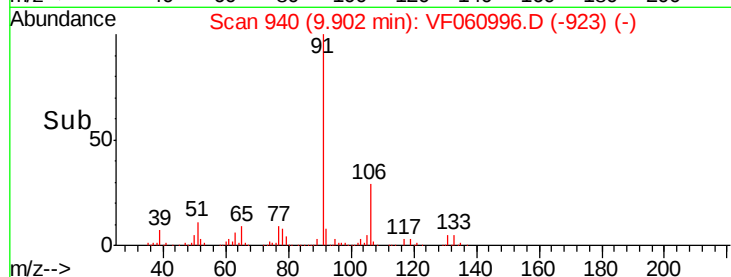
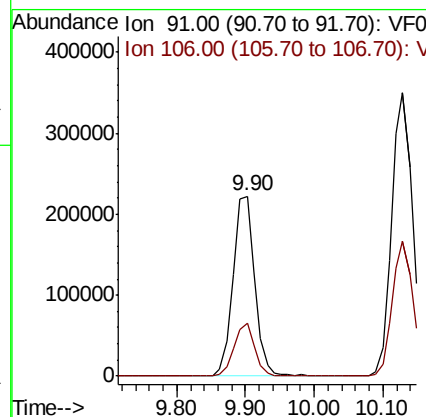
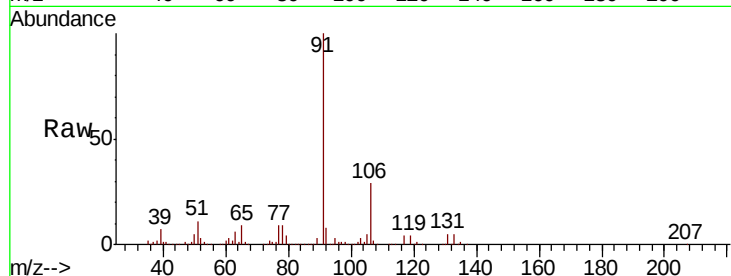
106 29.5 22.2 33.2

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#68

m/p-Xylenes

Concen: 97.379 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF060996.D

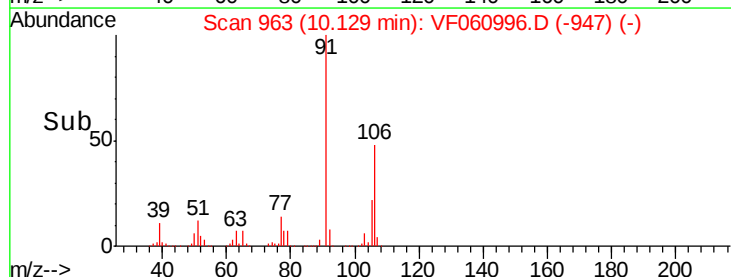
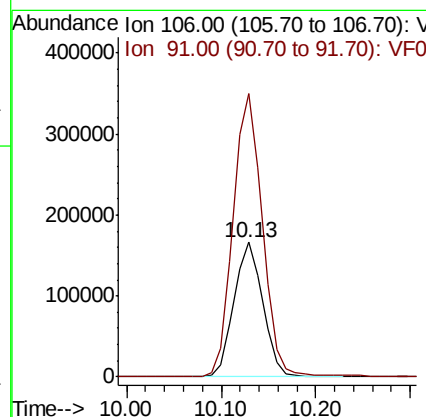
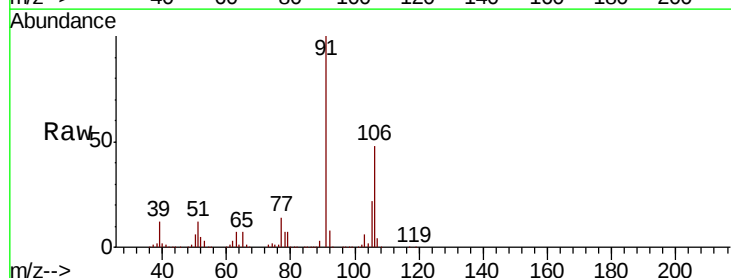
Acq: 12 Dec 2018 15:08

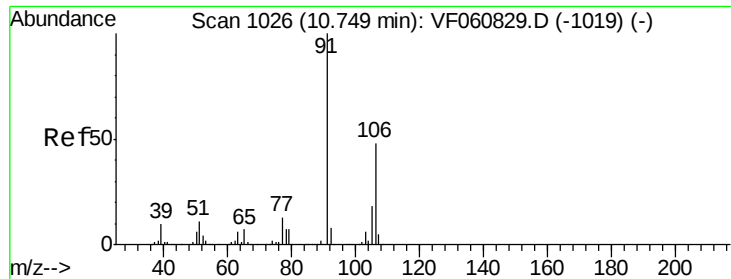
Tgt Ion: 106 Resp: 352523

Ion Ratio Lower Upper

106 100

91 210.2 166.7 250.1





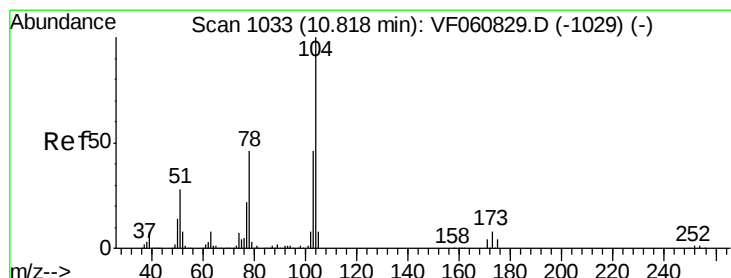
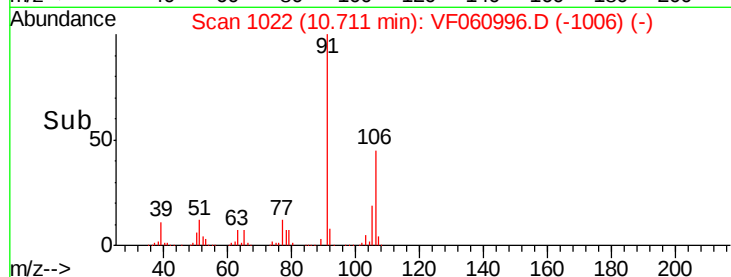
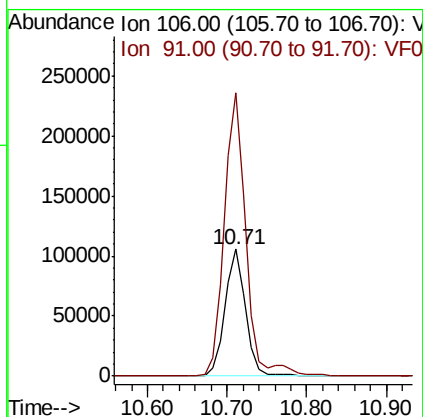
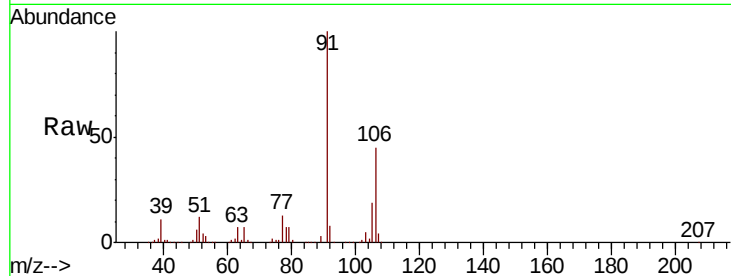
#69
o-Xylene
Concen: 48.501 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	223.3	104.8	193614	314.6	

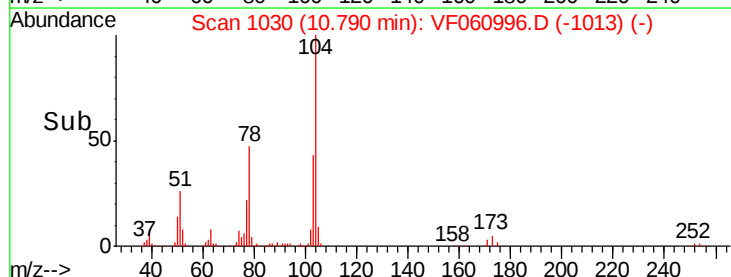
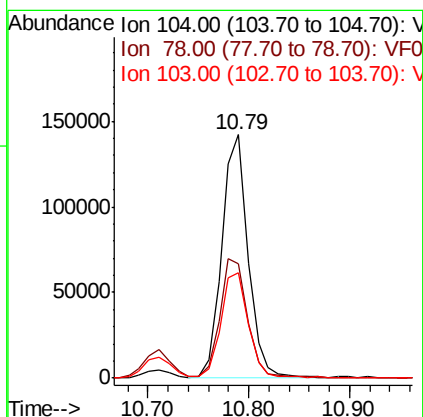
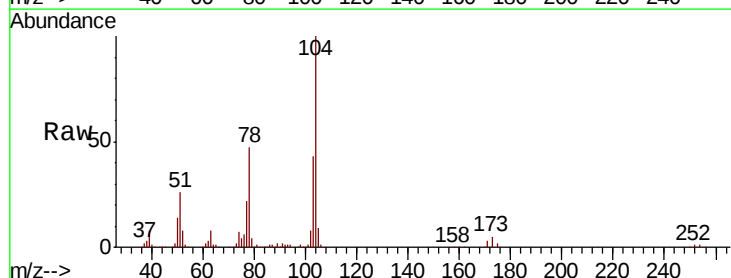
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#70
Styrene
Concen: 46.381 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	46.9	37.3	256656	55.9	
103	43.3	36.8		55.2	





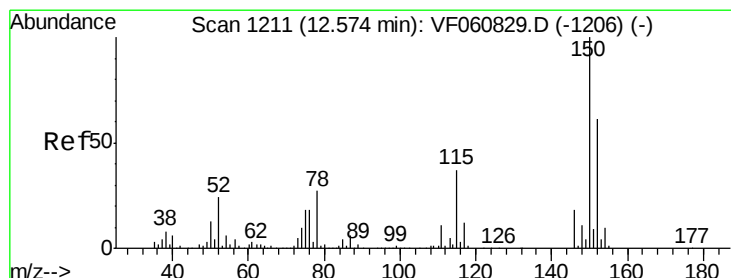
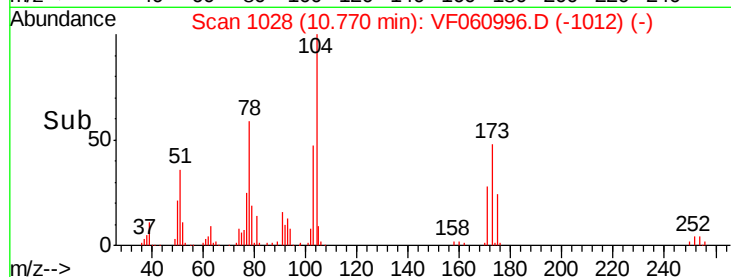
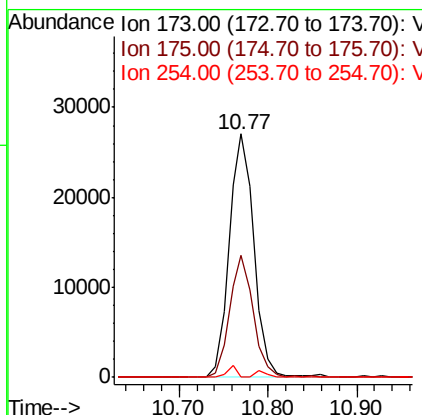
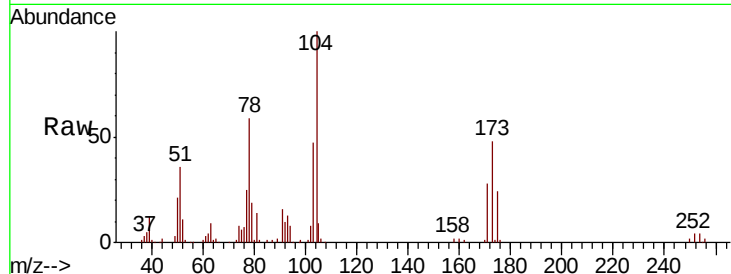
#71
Bromoform
Concen: 47.144 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	25.5	76.5
254	0.4	7.5	11.3

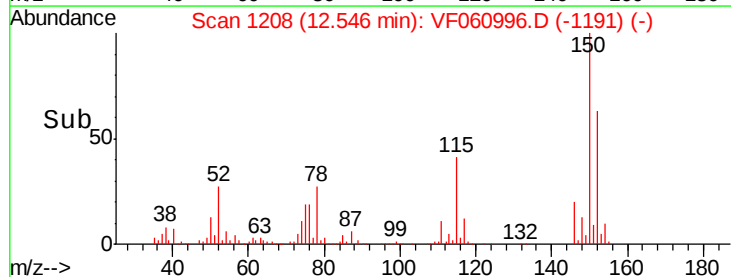
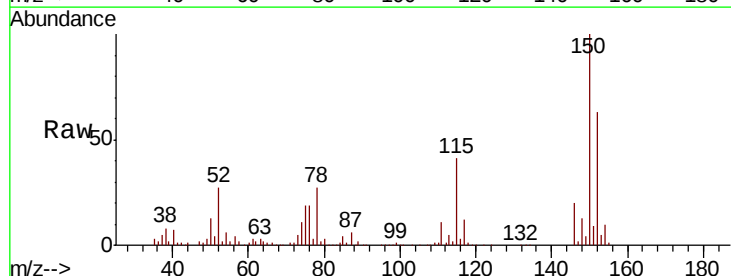
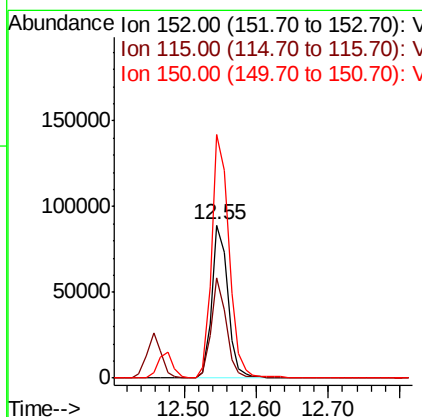
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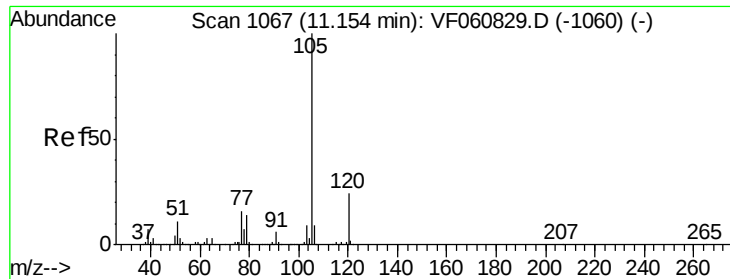
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.4	30.1	90.5
150	159.4	0.0	327.6





#73

Isopropylbenzene

Concen: 51.945 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 564184

Ion Ratio Lower Upper

105 100

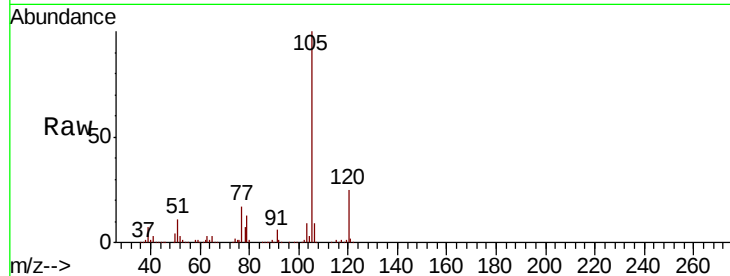
120 25.0 12.2 36.4

Manual Integrations

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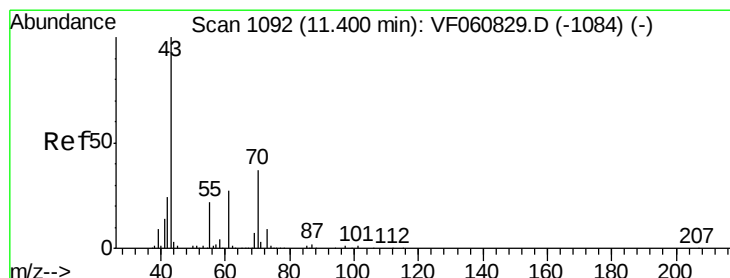
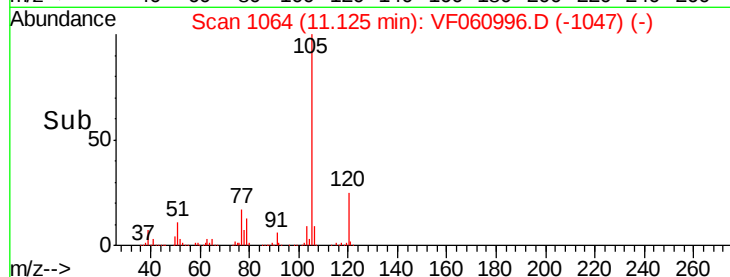
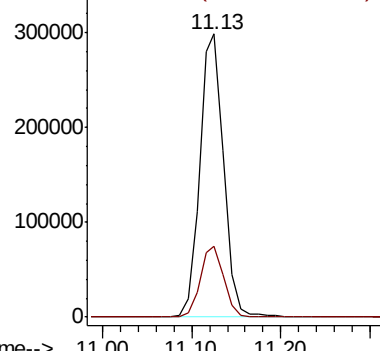
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.165 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion: 43 Resp: 128322

Ion Ratio Lower Upper

43 100

70 35.7 29.6 44.4

55 20.2 17.2 25.8

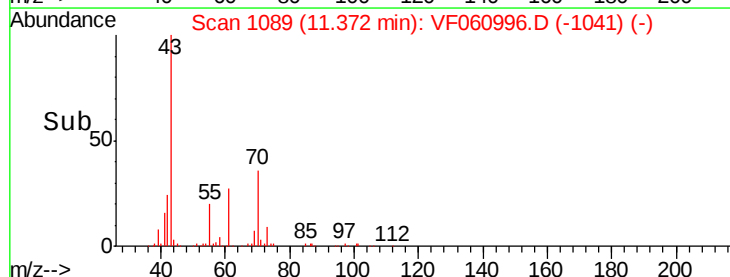
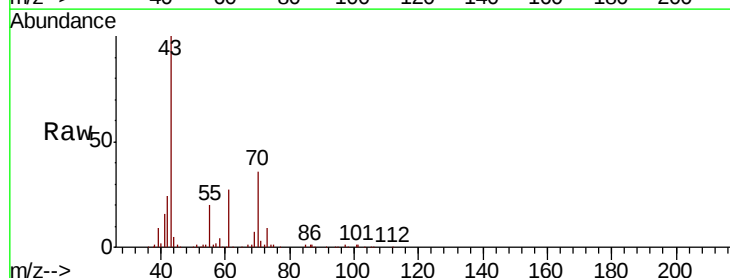
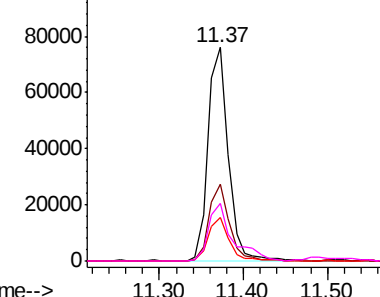
61 27.1 21.8 32.6

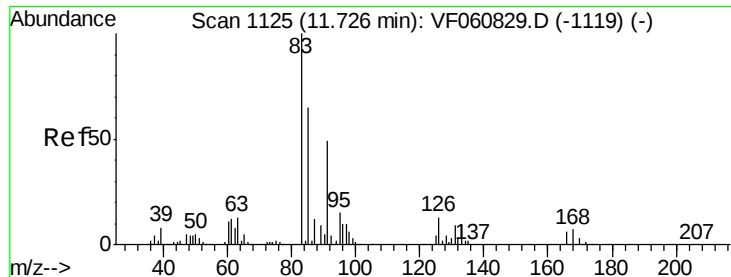
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.392 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

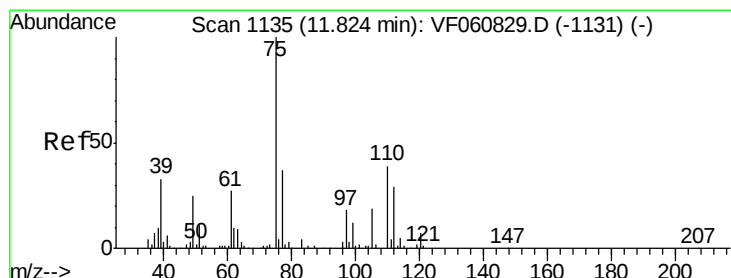
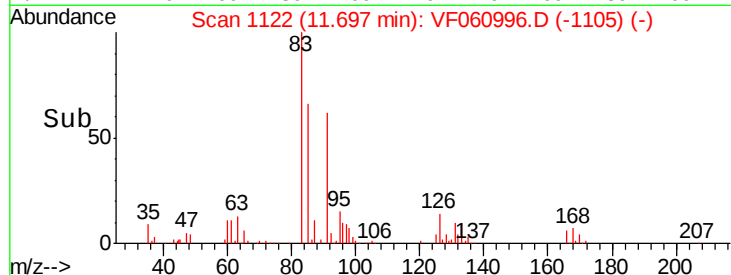
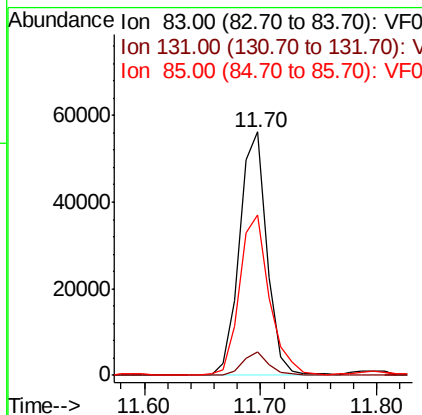
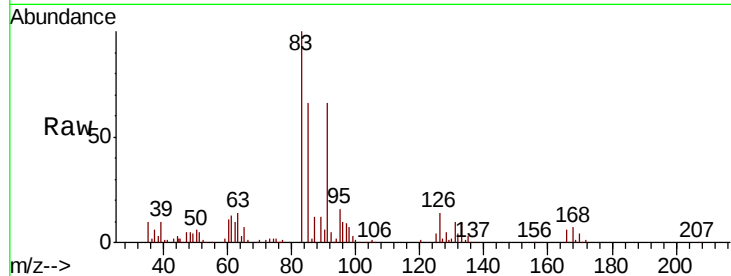
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	91863
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	66.1	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 53.520 ug/l

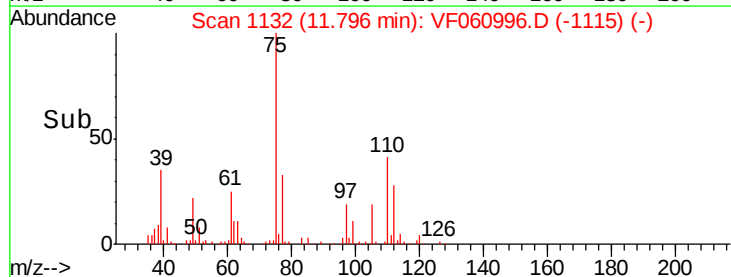
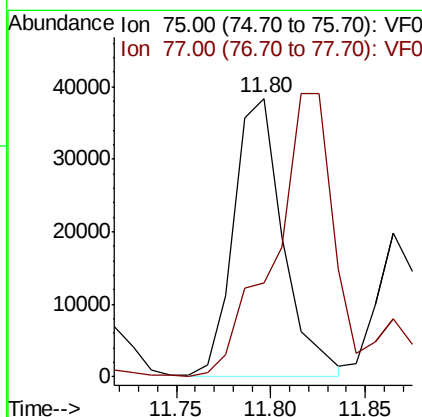
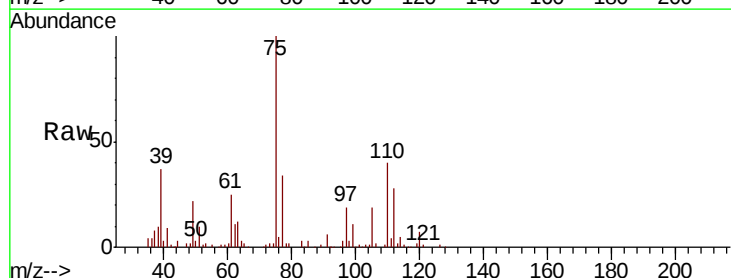
RT: 11.80 min Scan# 1132

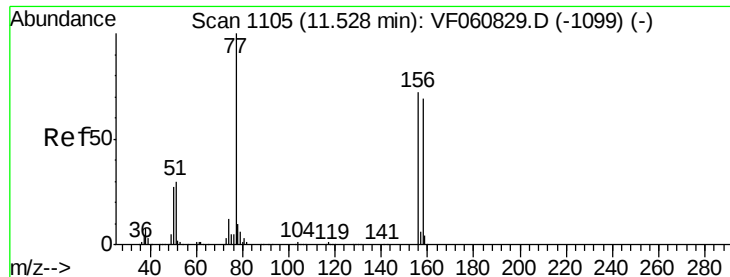
Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion:	75	Resp:	69538
Ion Ratio	Lower	Upper	
75	100		
77	33.8	18.4	55.4





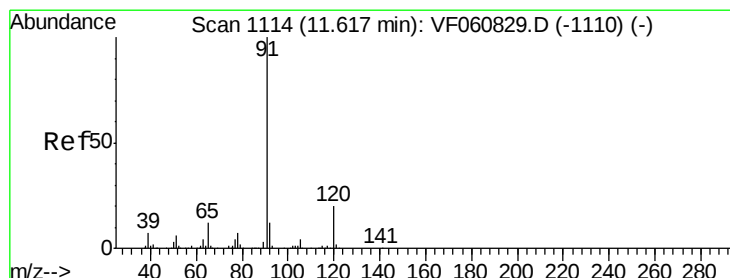
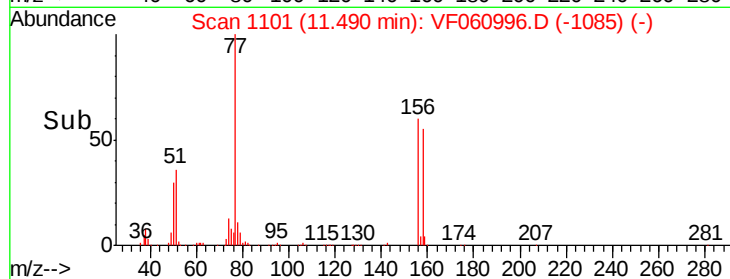
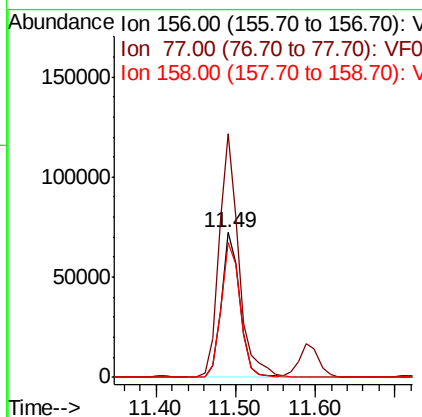
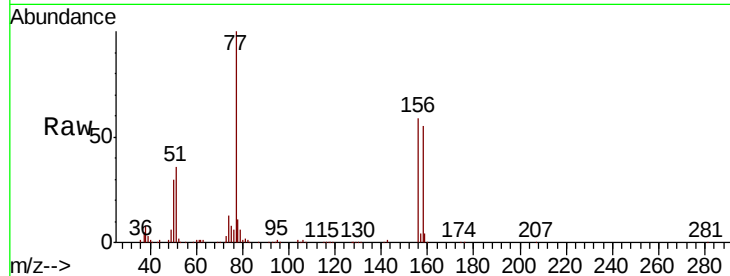
#77
Bromobenzene
Concen: 49.637 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.2	69.7	209.0
158	93.0	47.8	143.4

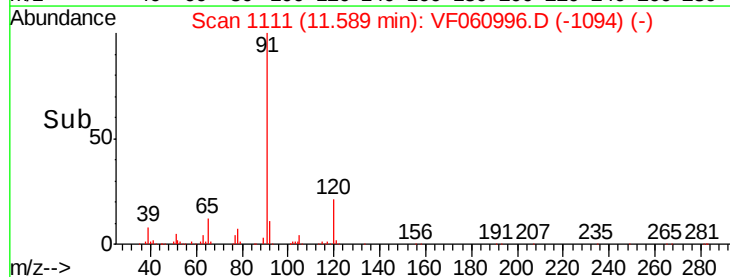
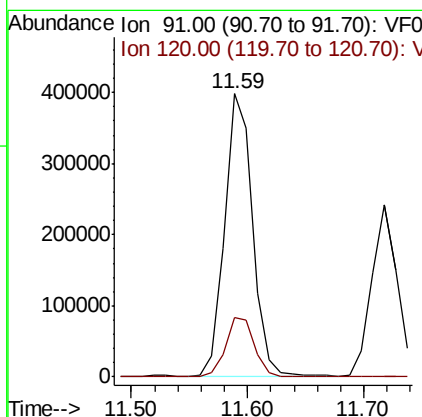
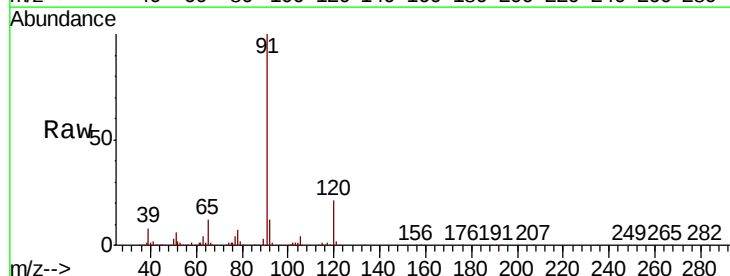
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#78
n-propylbenzene
Concen: 51.914 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.8	10.3	30.8





#79

2-Chlorotoluene

Concen: 50.998 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 371931

Ion Ratio Lower Upper

91 100

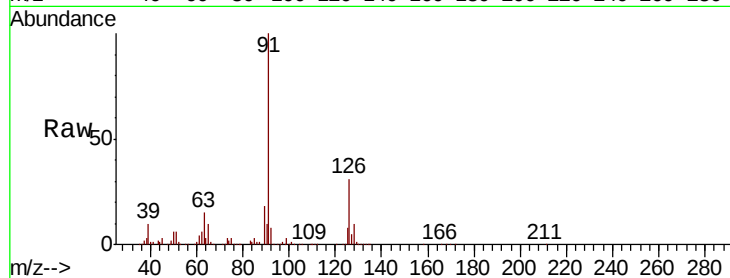
126 31.5 15.9 47.6

Manual Integrations

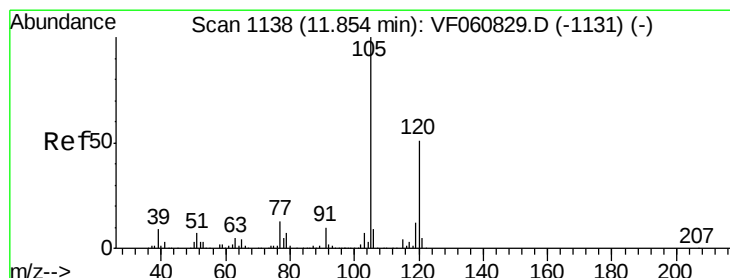
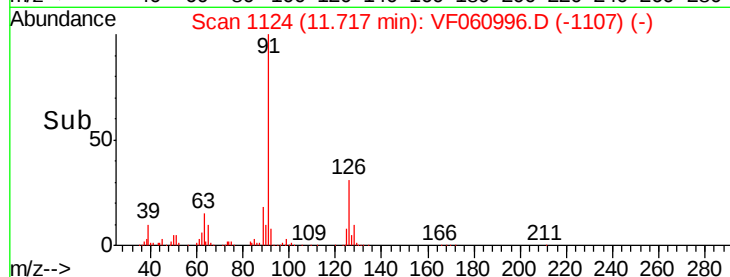
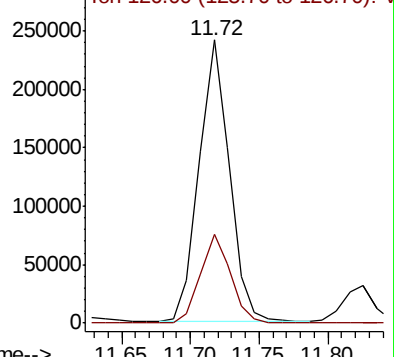
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Abundance Ion 91.00 (90.70 to 91.70): VF060996.D (-1123) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.317 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060996.D

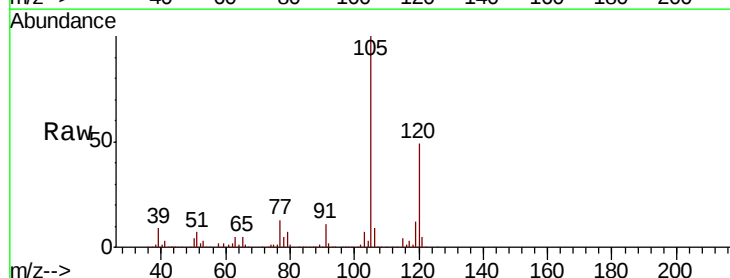
Acq: 12 Dec 2018 15:08

Tgt Ion: 105 Resp: 461297

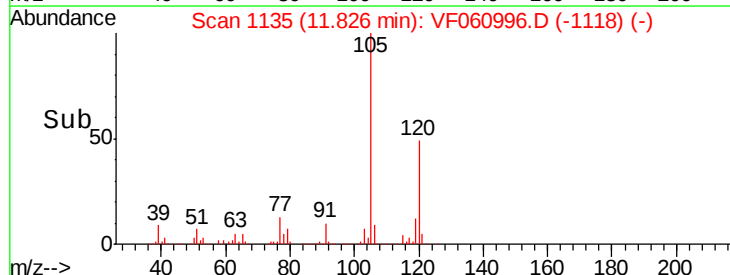
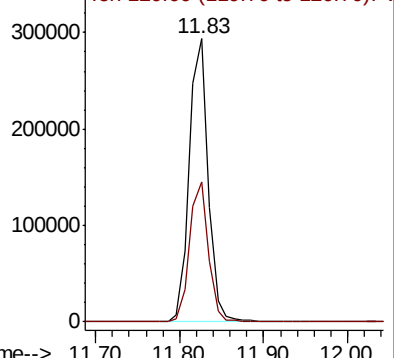
Ion Ratio Lower Upper

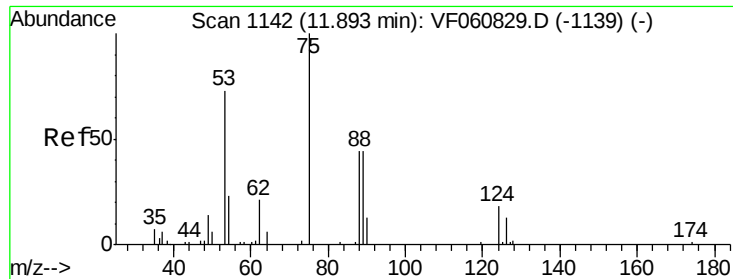
105 100

120 49.4 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VF060996.D (-1131) (-)





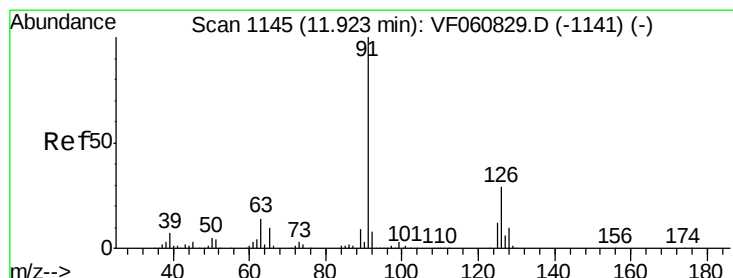
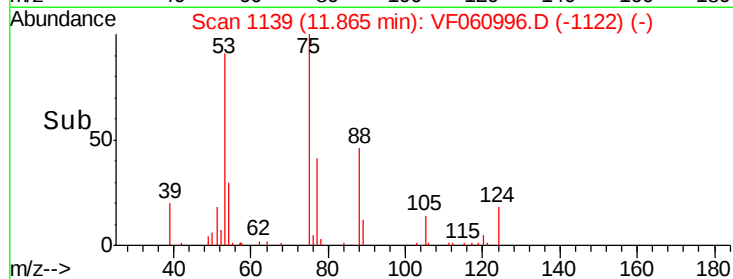
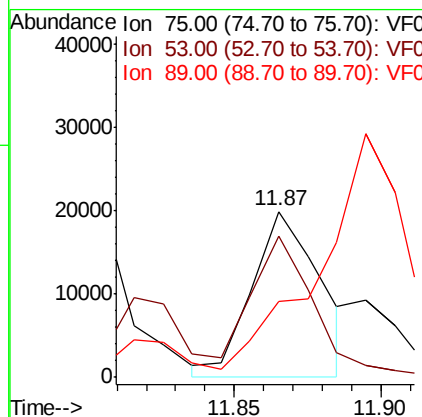
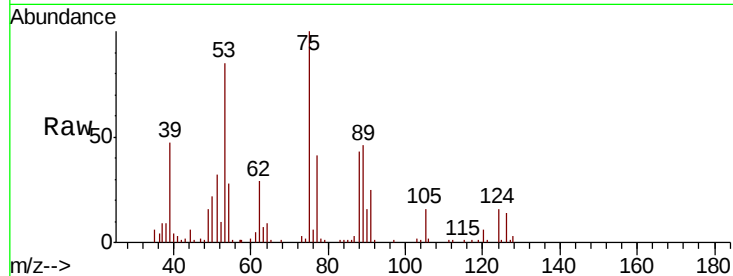
#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l m
RT: 11.87 min Scan# 1139
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.3	65.9	98.9
89	45.9	38.8	58.2

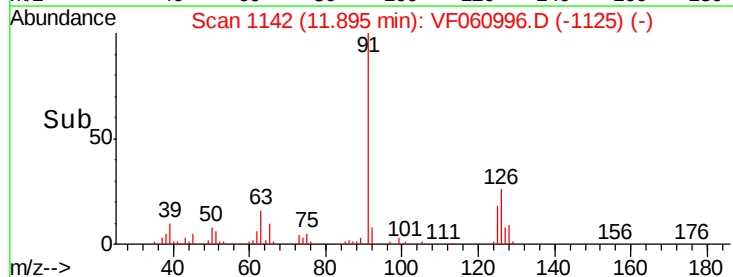
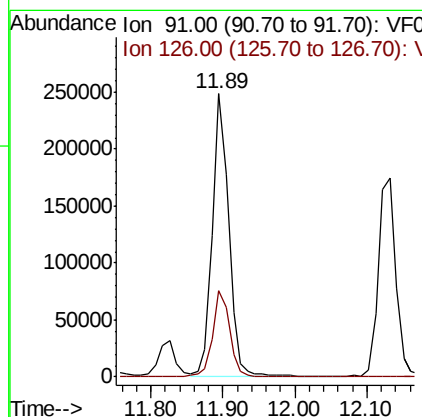
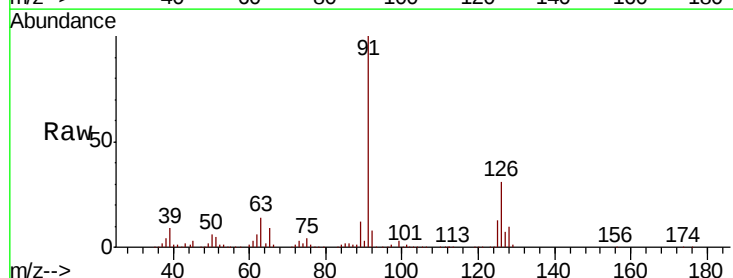
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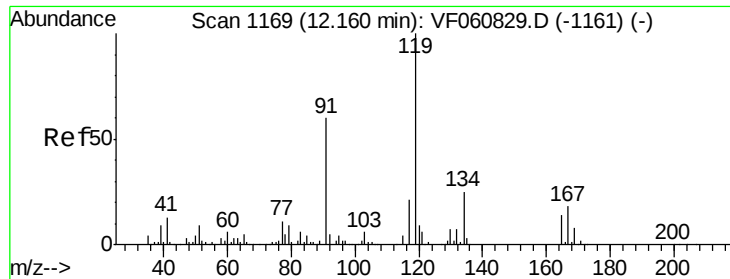
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#82
4-Chlorotoluene
Concen: 50.818 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.8	44.4





#83

tert-Butylbenzene

Concen: 53.358 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

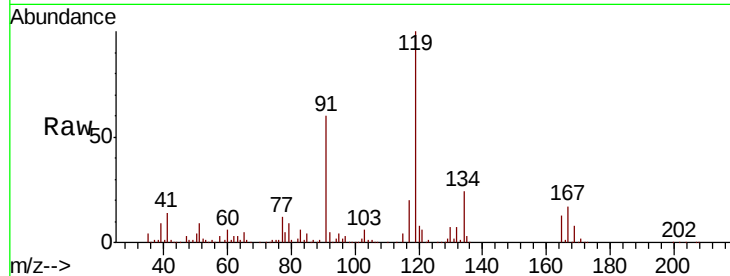
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	479239
Ion Ratio	Lower	Upper	
119	100		
91	60.1	30.1	90.3
134	24.3	12.6	37.8

Manual Integrations
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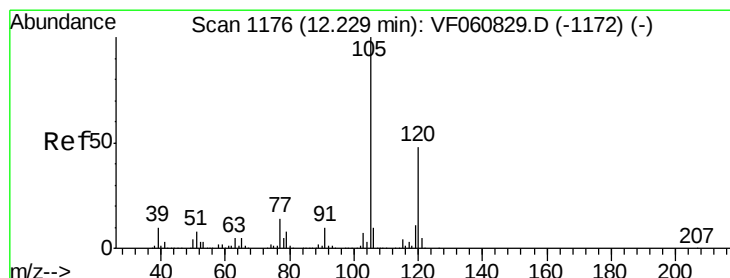
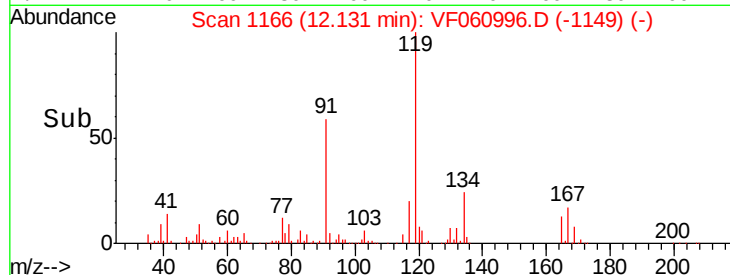
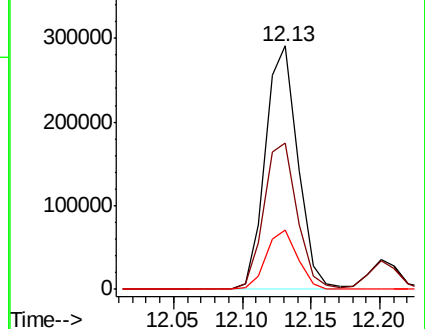
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.703 ug/l

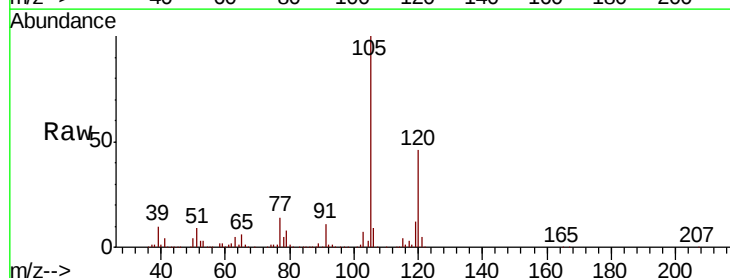
RT: 12.20 min Scan# 1173

Delta R.T. -0.03 min

Lab File: VF060996.D

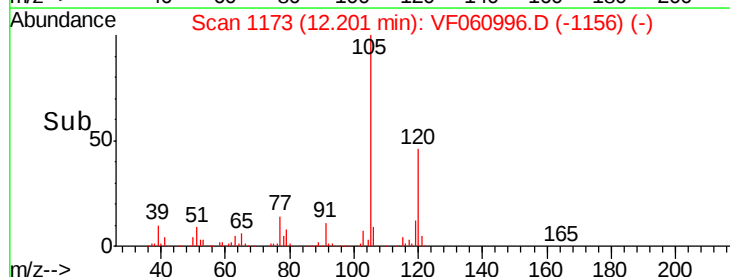
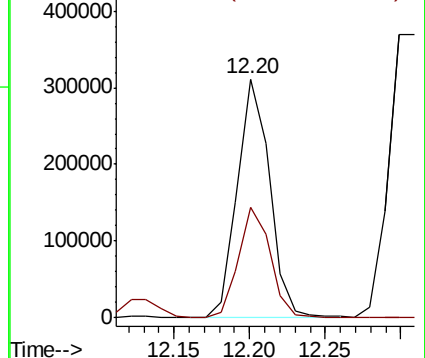
Acq: 12 Dec 2018 15:08

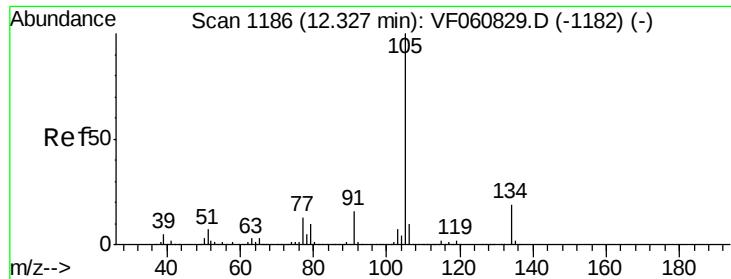
Tgt Ion:	105	Resp:	463779
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.8	71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





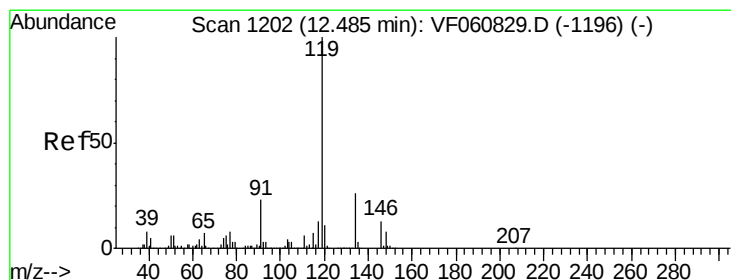
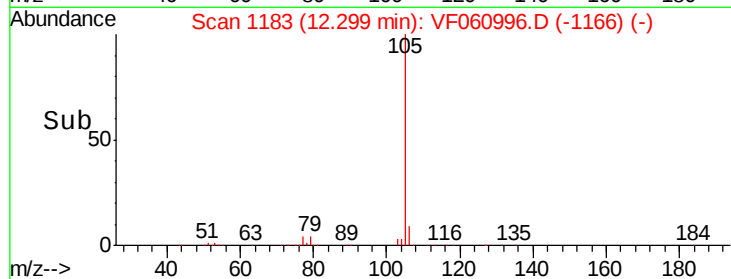
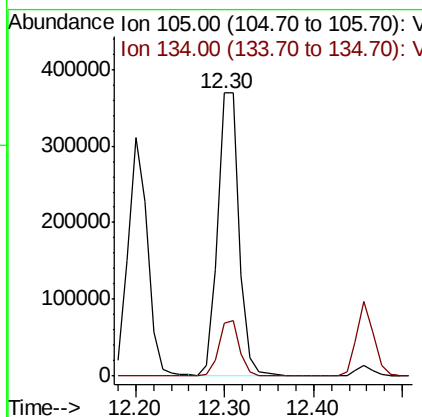
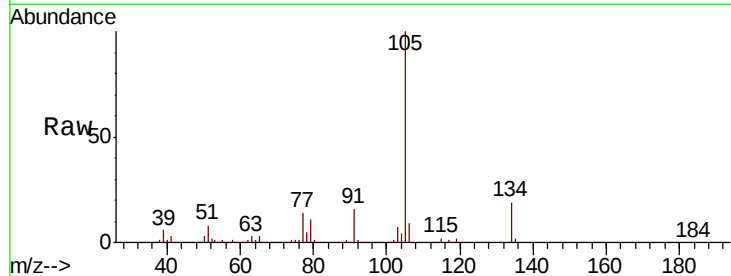
#85
 sec-Butylbenzene
 Concen: 50.817 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.5	28.5

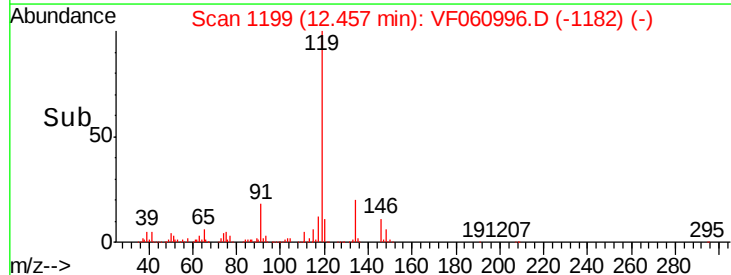
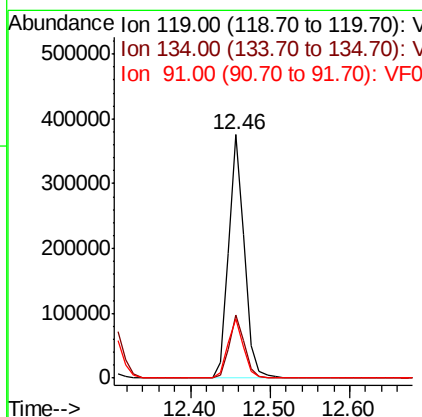
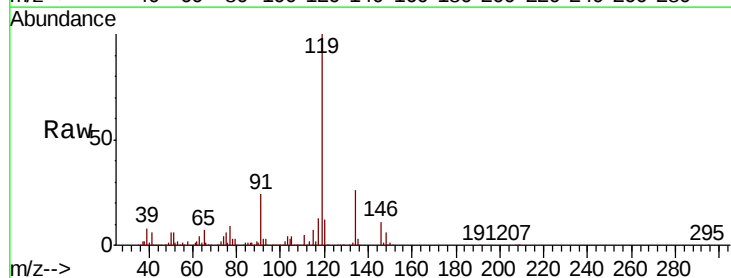
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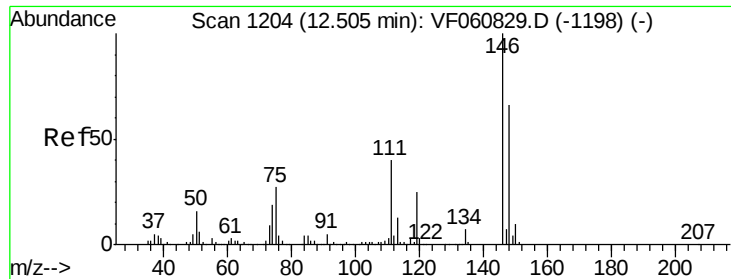
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#86
 p-Isopropyltoluene
 Concen: 50.874 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.4	11.8	35.3





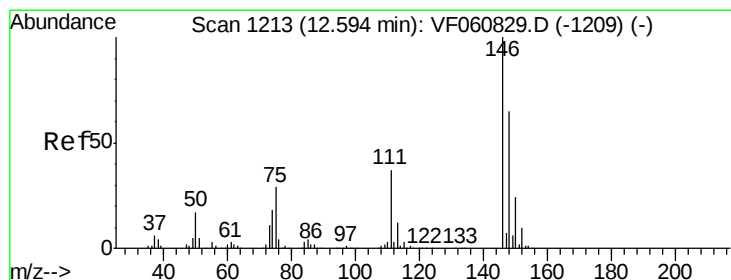
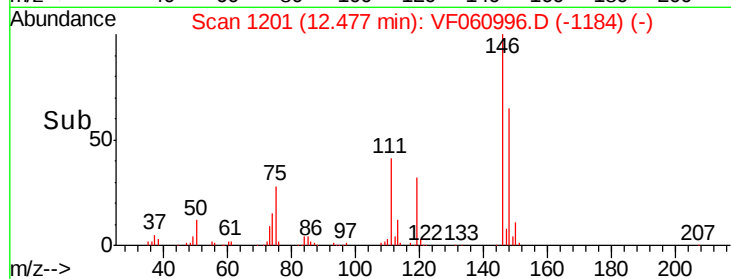
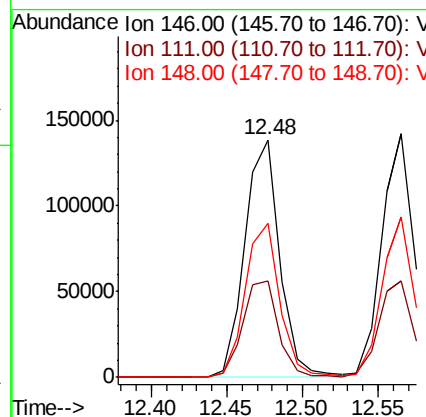
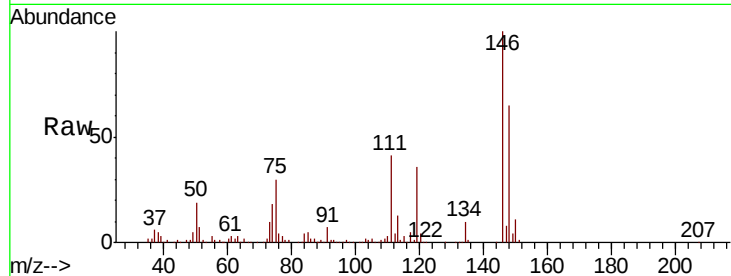
#87
 1,3-Dichlorobenzene
 Concen: 49.227 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	65.0	32.9	98.6

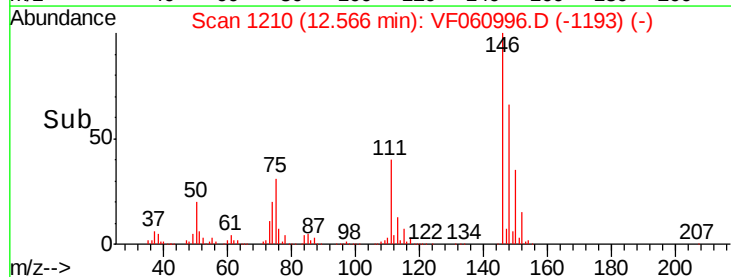
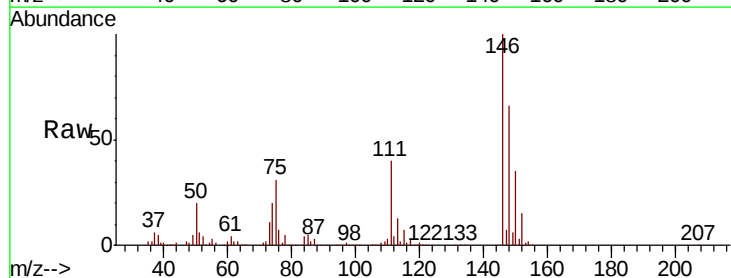
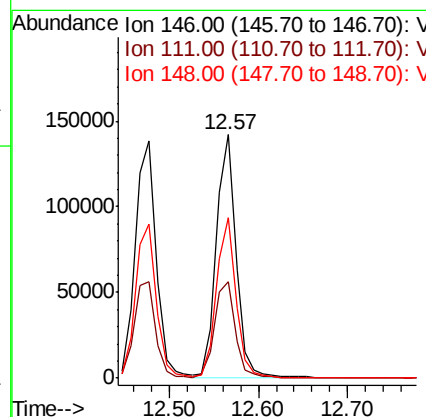
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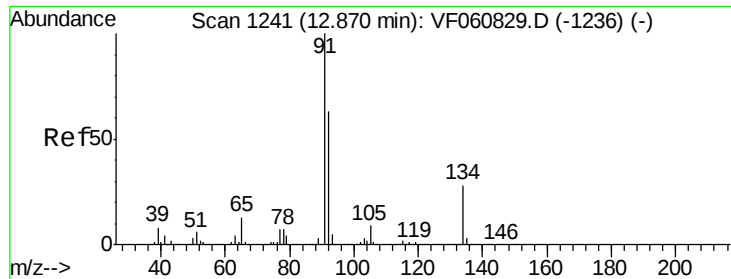
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#88
 1,4-Dichlorobenzene
 Concen: 49.922 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.7
148	65.6	32.3	96.9





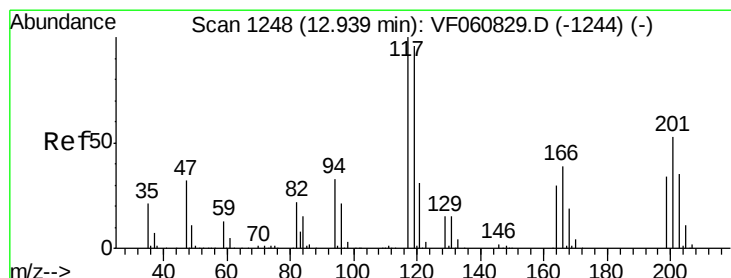
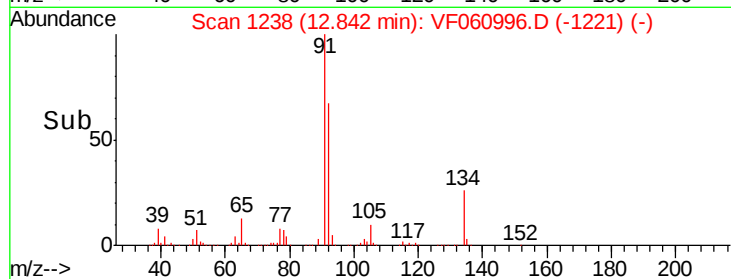
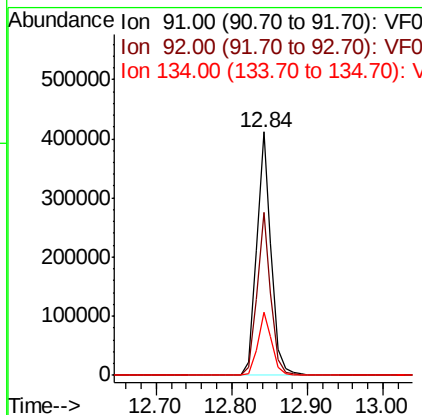
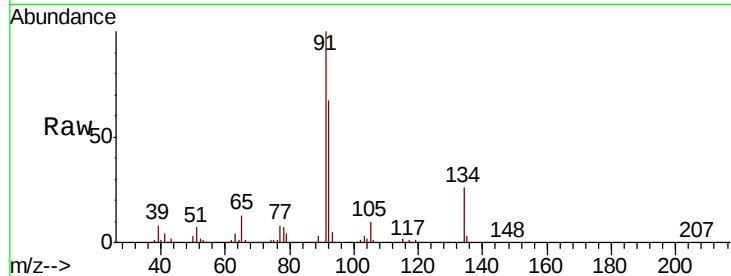
#89
n-Butylbenzene
Concen: 53.122 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	66.7	31.6	94.7	
134	25.8	13.8	41.4	

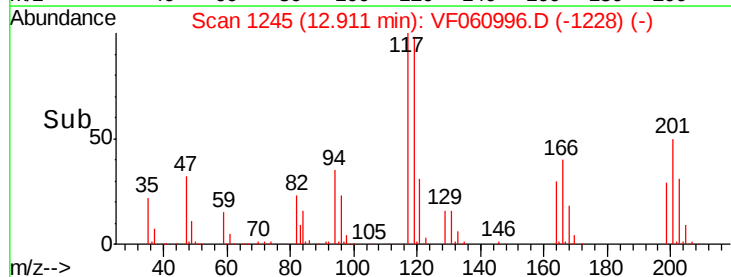
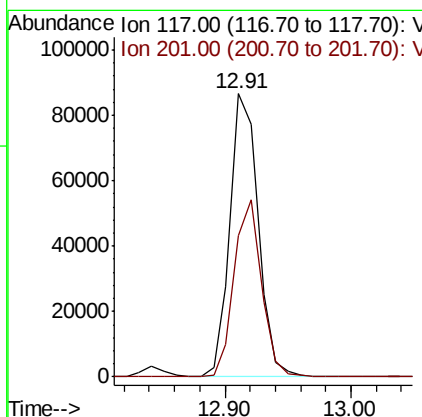
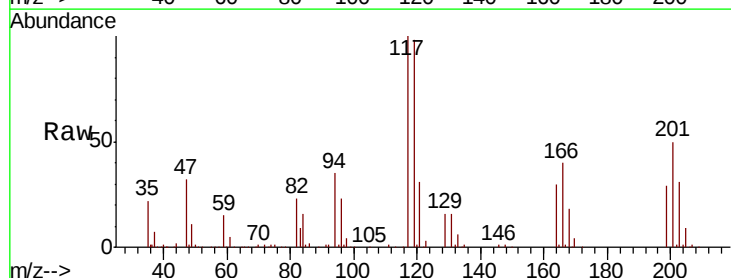
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#90
Hexachloroethane
Concen: 53.887 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	50.0	26.7	80.1	





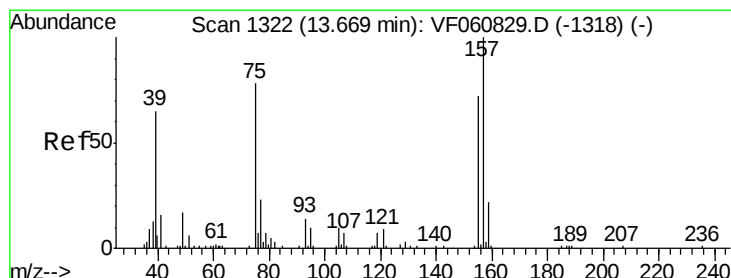
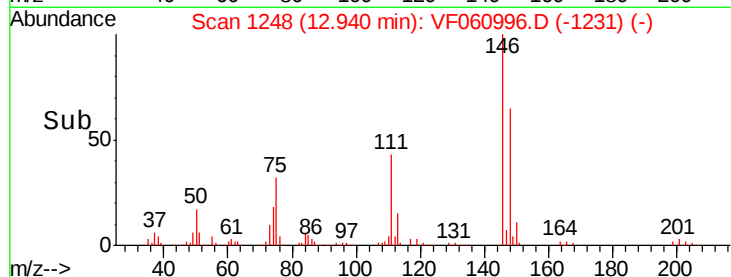
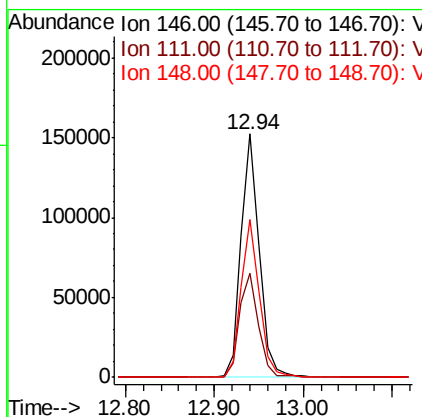
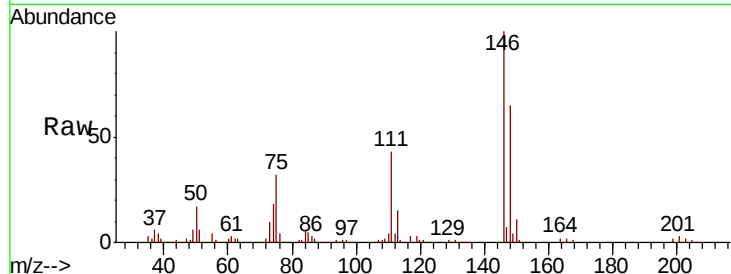
#91
 1,2-Dichlorobenzene
 Concen: 50.902 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	64.8	32.5	97.5

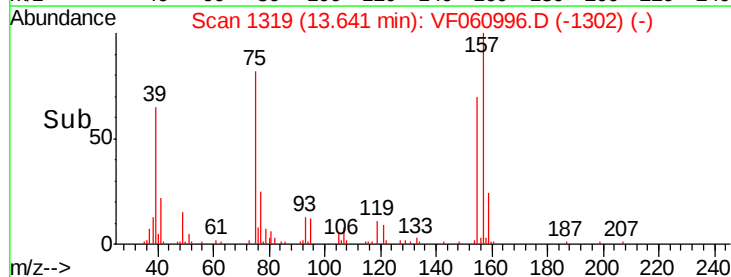
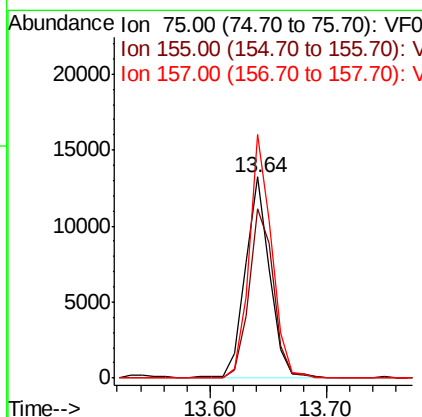
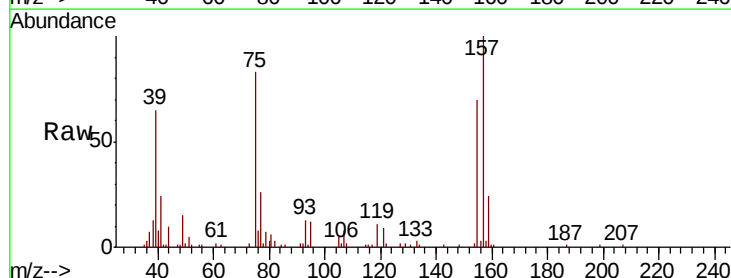
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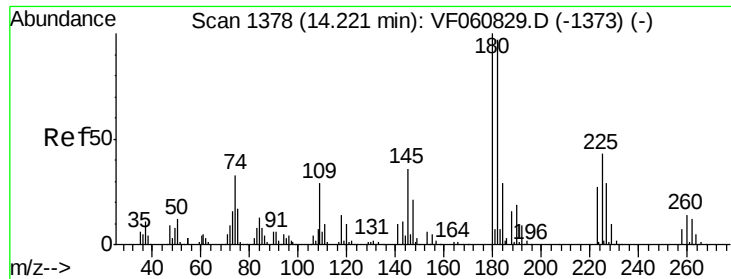
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.834 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	45.6	136.9
157	121.1	63.8	191.5





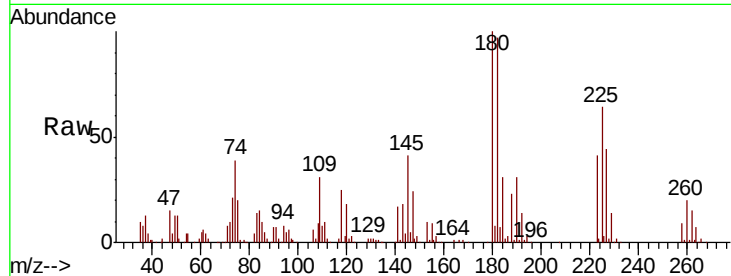
#93
 1,2,4-Trichlorobenzene
 Concen: 52.042 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155971		
182	96.7	48.5	145.5	
145	40.9	18.1	54.3	

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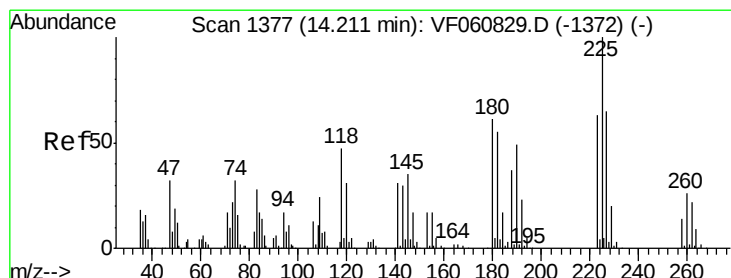
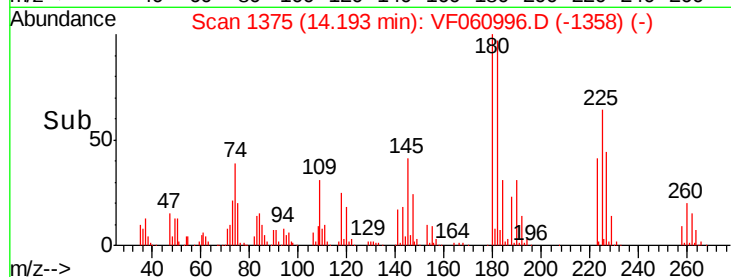
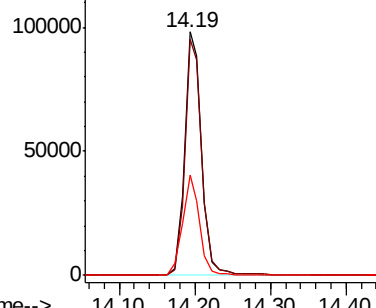


Abundance

Ion 180.00 (179.70 to 180.70): V

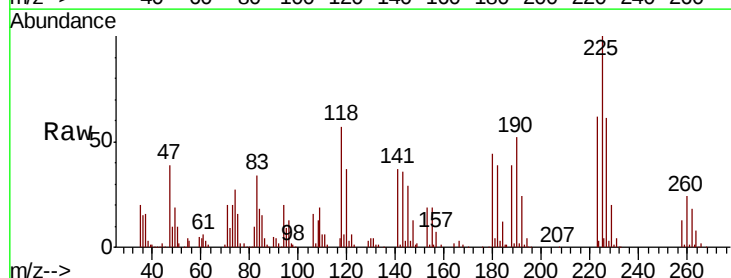
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 53.686 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107258		
223	61.6	31.4	94.3	
227	61.2	32.5	97.5	

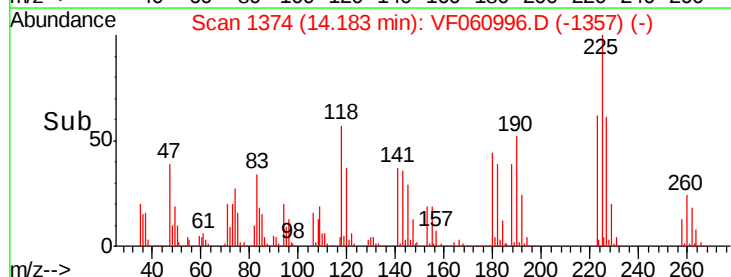
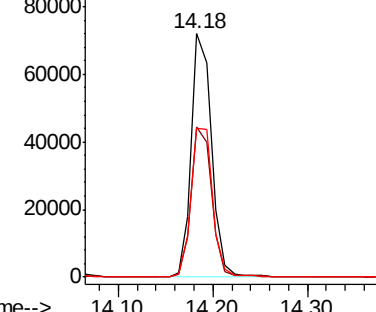


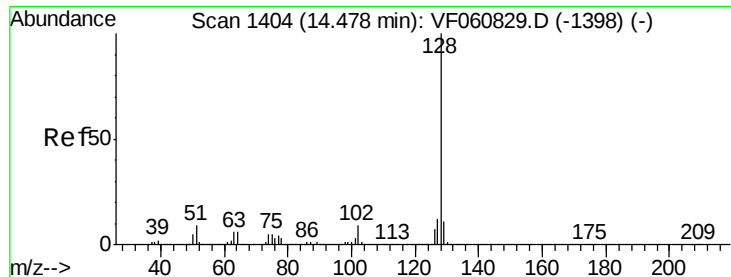
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





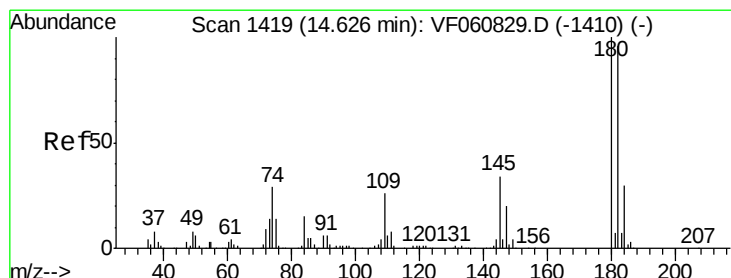
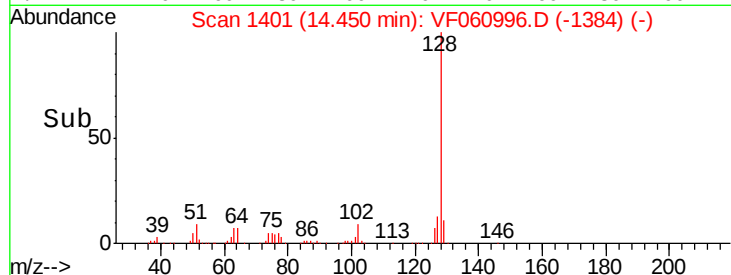
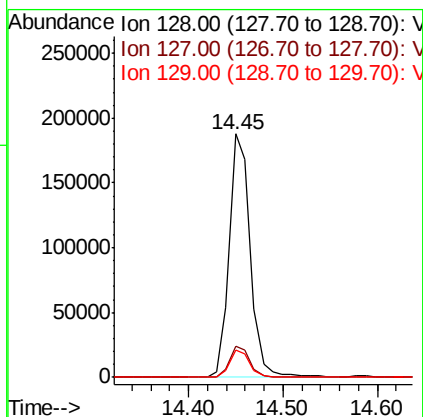
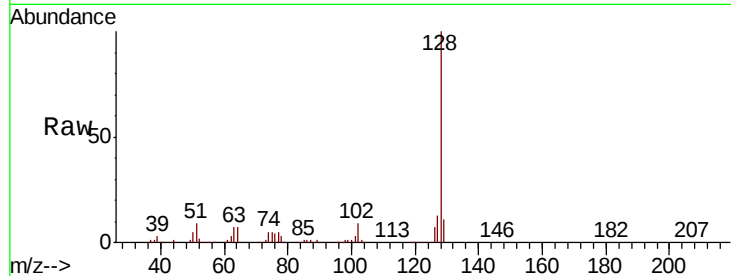
#95
Naphthalene
Concen: 49.972 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	290702		
127	12.6		9.9	14.9
129	11.4		9.1	13.7

Manual Integrations
APPROVED

apatel
12/13/2018 3:41:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.639 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	149265		
182	91.7		47.9	143.8
145	35.3		17.2	51.5

