

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060933.D
 Acq On : 7 Dec 2018 16:21
 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
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apatel
 12/10/2018 4:37:31 PM

Quant Time: Dec 08 03:33:44 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	4.86	168	173272	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	285994	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	271078	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	139808	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	113393	55.55	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	111.10%	
35) Dibromofluoromethane	4.10	113	120926	53.30	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	106.60%	
50) Toluene-d8	7.54	98	322568	48.26	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.40	95	151488	49.87	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	99.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	111392	42.996	ug/l	97
3) Chloromethane	1.11	50	72322	42.899	ug/l	97
4) Vinyl Chloride	1.14	62	74325	47.265	ug/l	98
5) Bromomethane	1.33	94	53638	48.373	ug/l	97
6) Chloroethane	1.40	64	34186	50.292	ug/l	90
7) Trichlorofluoromethane	1.49	101	169800m	50.326	ug/l	
8) Diethyl Ether	1.62	74	23055	47.519	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	85351	50.038	ug/l	97
10) Methyl Iodide	1.91	142	123807m	47.752	ug/l	
11) Tert butyl alcohol	2.56	59	21975	262.627	ug/l	94
12) 1,1-Dichloroethene	1.79	96	66410	48.405	ug/l	90
13) Acrolein	2.00	56	20064	253.083	ug/l	98
14) Allyl chloride	2.09	41	78489	45.899	ug/l	99
15) Acrylonitrile	2.92	53	51699	275.596	ug/l	92
16) Acetone	2.22	43	106871	283.922	ug/l	98
17) Carbon Disulfide	1.84	76	160315m	43.580	ug/l	
18) Methyl Acetate	2.33	43	39666	63.251	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	156513	50.650	ug/l	99
20) Methylene Chloride	2.24	84	67351m	48.774	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	63944m	48.344	ug/l	
22) Diisopropyl ether	2.79	45	248458	53.378	ug/l	98
23) Vinyl Acetate	3.17	43	608425	285.951	ug/l	98
24) 1,1-Dichloroethane	2.86	63	146640	52.950	ug/l	98
25) 2-Butanone	4.32	43	160926	247.177	ug/l	99
26) 2,2-Dichloropropane	3.59	77	87811	48.908	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	111539	51.798	ug/l	93
28) Bromochloromethane	3.69	49	69784	52.505	ug/l	91
29) Tetrahydrofuran	4.05	42	65121	235.968	ug/l	96
30) Chloroform	3.84	83	224413	52.651	ug/l	99
31) Cyclohexane	3.67	56	137548m	47.857	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	126487	42.790	ug/l	96
36) 1,1-Dichloropropene	4.26	75	154695	48.767	ug/l	97
37) Ethyl Acetate	4.09	43	62682	48.625	ug/l #	90
38) Carbon Tetrachloride	3.97	117	134299	47.933	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.44	83	151686m	45.629	ug/l	
40) Benzene	4.61	78	329140	46.967	ug/l	97
41) Methacrylonitrile	4.73	41	34232	51.398	ug/l	93
42) 1,2-Dichloroethane	4.93	62	129581	50.648	ug/l	97
43) Isopropyl Acetate	6.95	43	75069	47.038	ug/l #	96
44) Trichloroethene	5.49	130	107130	46.754	ug/l	97
45) 1,2-Dichloropropane	6.22	63	90666	49.815	ug/l	95
46) Dibromomethane	6.07	93	59379	48.093	ug/l	98
47) Bromodichloromethane	6.37	83	171039	52.158	ug/l	97
48) Methyl methacrylate	6.70	41	53745	46.060	ug/l	93
49) 1,4-Dioxane	6.69	88	8423	986.329	ug/l #	82
51) 4-Methyl-2-Pentanone	8.24	43	285874	240.486	ug/l	100
52) Toluene	7.61	92	221422	44.982	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	127742	47.890	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	160721	48.671	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	67260	46.892	ug/l	92
56) Ethyl methacrylate	8.61	69	75666	47.488	ug/l	99
57) 1,3-Dichloropropane	8.83	76	126258	50.313	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	54561	334.773	ug/l	99
59) 2-Hexanone	9.47	43	203377	243.866	ug/l	97
60) Dibromochloromethane	8.71	129	105287	49.265	ug/l	97
61) 1,2-Dibromoethane	8.97	107	74677	48.194	ug/l	98
64) Tetrachloroethene	8.13	164	97368	47.026	ug/l	94
65) Chlorobenzene	9.78	112	263517	49.970	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	107831	47.564	ug/l	96
67) Ethyl Benzene	9.89	91	466923	47.559	ug/l	98
68) m/p-Xylenes	10.12	106	328353	92.991	ug/l	98
69) o-Xylene	10.70	106	185660	47.682	ug/l	94
70) Styrene	10.78	104	252731	46.824	ug/l	98
71) Bromoform	10.77	173	51726	47.236	ug/l	96
73) Isopropylbenzene	11.11	105	554042	50.147	ug/l	99
74) N-amyl acetate	11.36	43	120602	47.272	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	91998	50.595	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	69031m	52.230	ug/l	
77) Bromobenzene	11.49	156	114721	47.362	ug/l	92
78) n-propylbenzene	11.59	91	640679	49.517	ug/l	99
79) 2-Chlorotoluene	11.71	91	357513	48.190	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	430706	48.020	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	31580m	48.767	ug/l	
82) 4-Chlorotoluene	11.89	91	368031	47.139	ug/l	97
83) tert-Butylbenzene	12.12	119	483289	52.897	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	451175	50.402	ug/l	99
85) sec-Butylbenzene	12.30	105	628697	50.267	ug/l	100
86) p-Isopropyltoluene	12.45	119	513931	49.012	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	213403	46.317	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	213847	47.626	ug/l	94
89) n-Butylbenzene	12.84	91	522210	49.251	ug/l	99
90) Hexachloroethane	12.91	117	125969	49.888	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	205326	47.058	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	17839	50.744	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	153725	50.423	ug/l	97
94) Hexachlorobutadiene	14.18	225	101008	49.701	ug/l	97
95) Naphthalene	14.45	128	286423	48.284	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	143108	50.555	ug/l	98

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

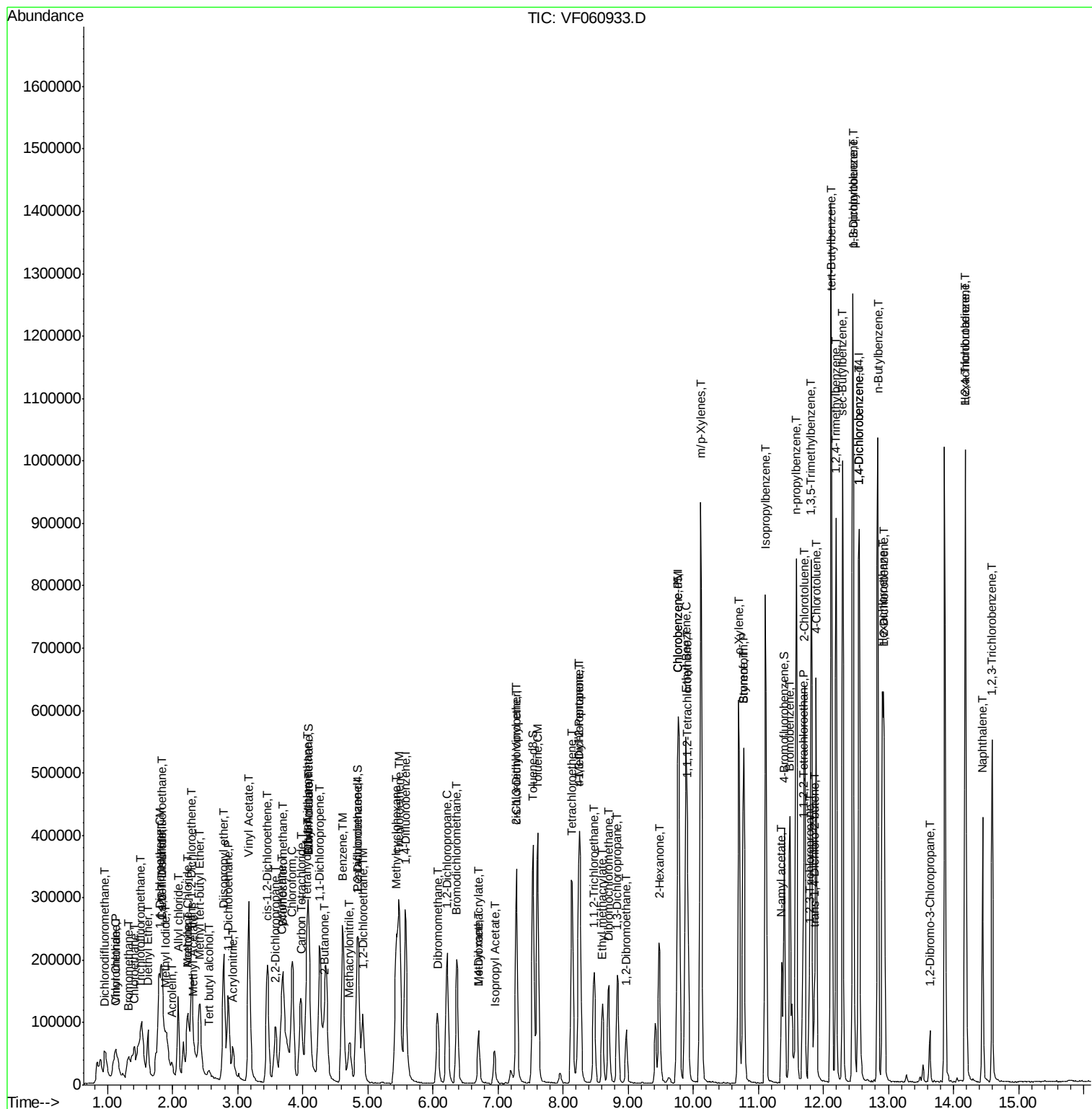
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Data File : VF060933.D
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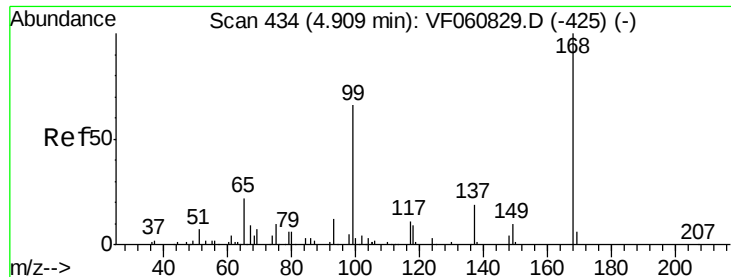
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 173272

Ion Ratio Lower Upper

168 100

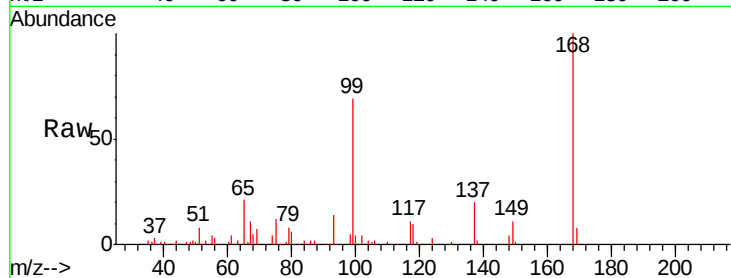
99 69.0 52.6 79.0

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

60000

50000

40000

30000

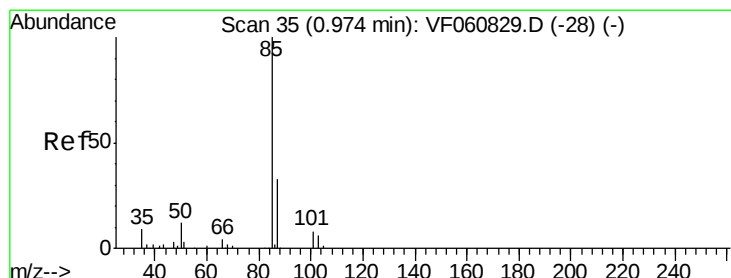
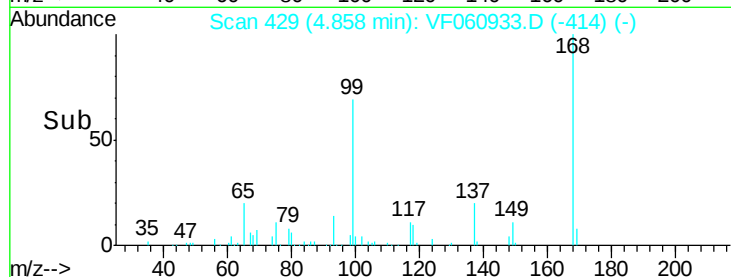
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.996 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060933.D

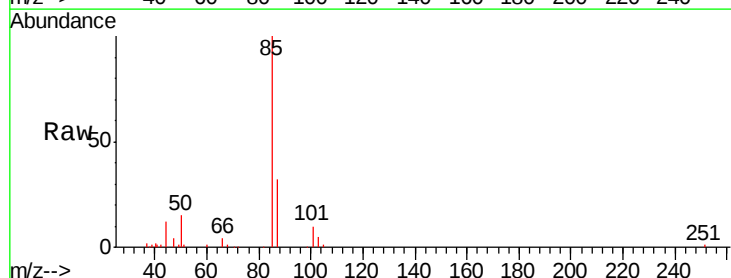
Acq: 7 Dec 2018 16:21

Tgt Ion: 85 Resp: 111392

Ion Ratio Lower Upper

85 100

87 31.5 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

30000

25000

20000

15000

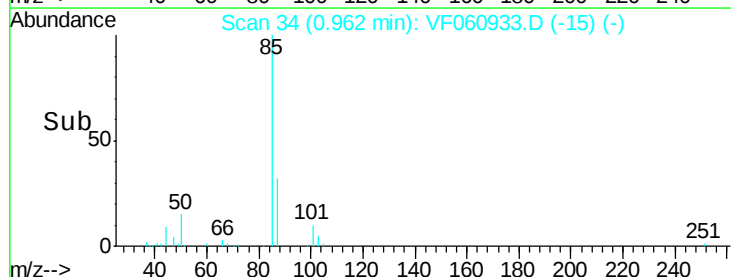
10000

5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 42.899 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 72322

Ion Ratio Lower Upper

50 100

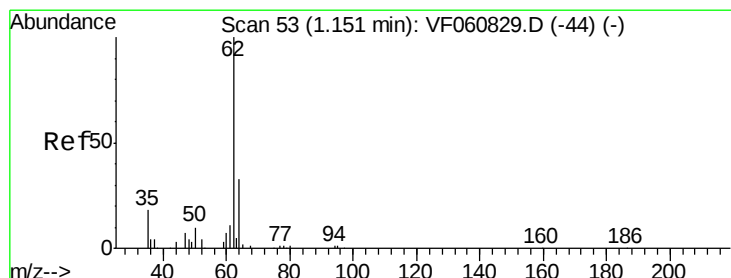
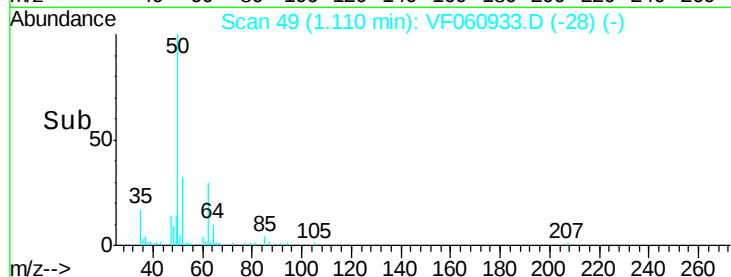
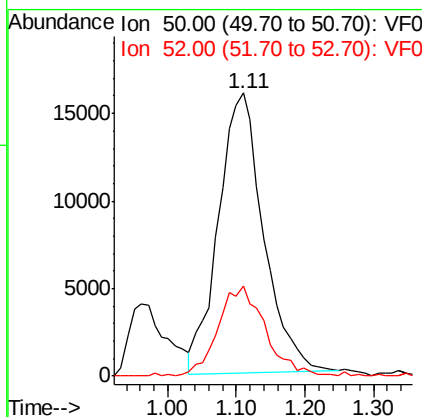
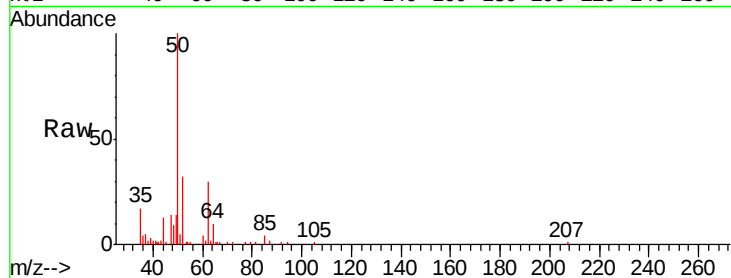
52 31.8 27.0 40.4

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#4

Vinyl Chloride

Concen: 47.265 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060933.D

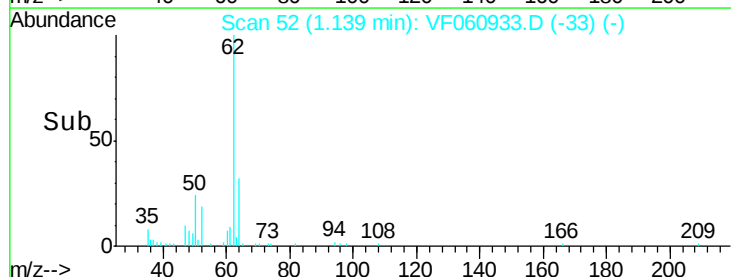
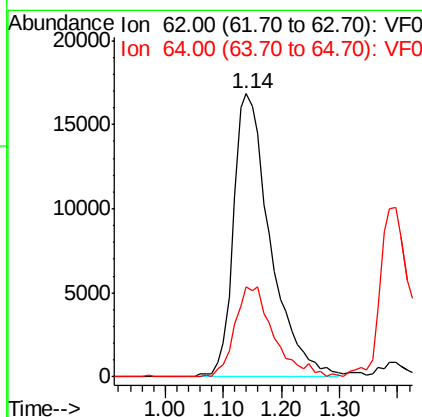
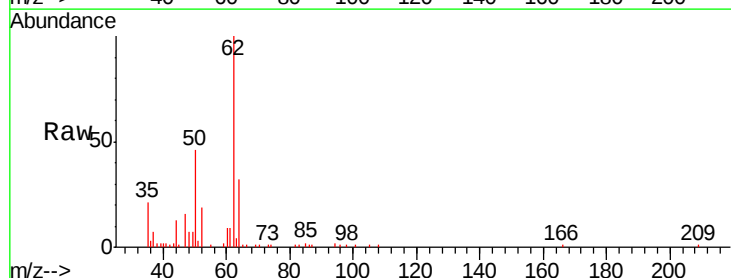
Acq: 7 Dec 2018 16:21

Tgt Ion: 62 Resp: 74325

Ion Ratio Lower Upper

62 100

64 32.0 26.4 39.6





#5

Bromomethane

Concen: 48.373 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 53638

Ion Ratio Lower Upper

94 100

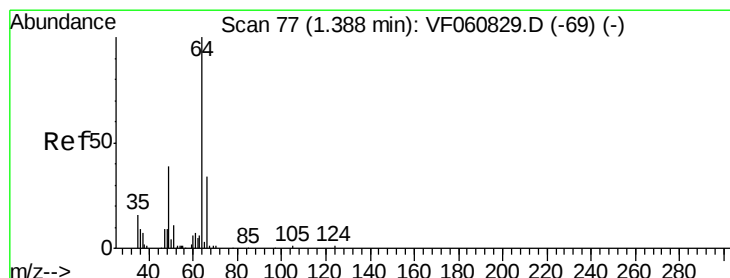
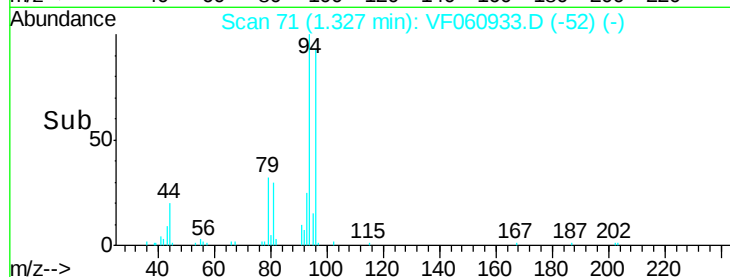
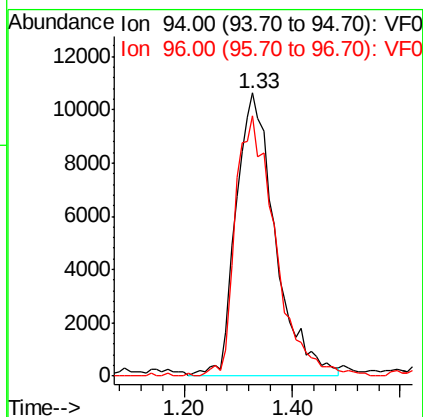
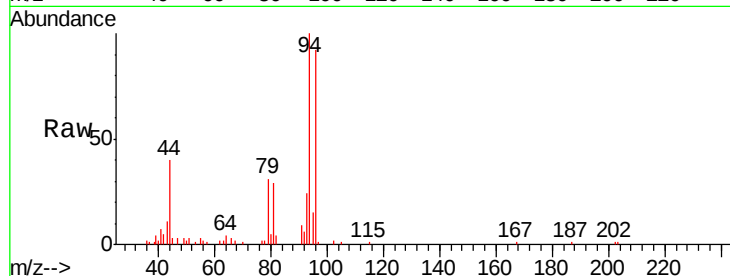
96 92.0 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 50.292 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060933.D

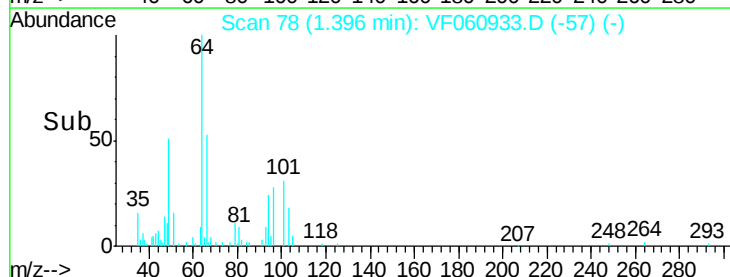
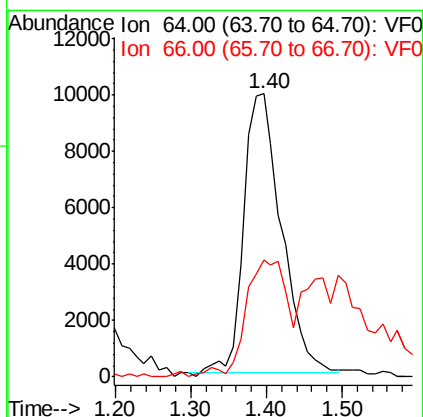
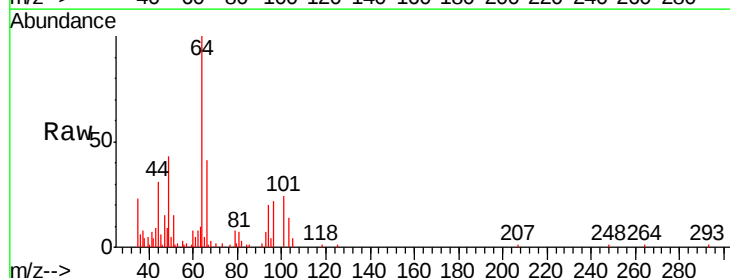
Acq: 7 Dec 2018 16:21

Tgt Ion: 64 Resp: 34186

Ion Ratio Lower Upper

64 100

66 41.1 28.1 42.1





#7

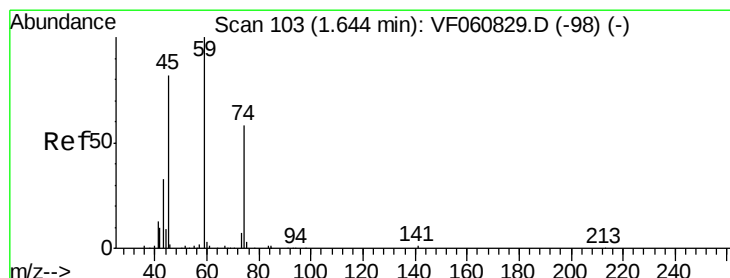
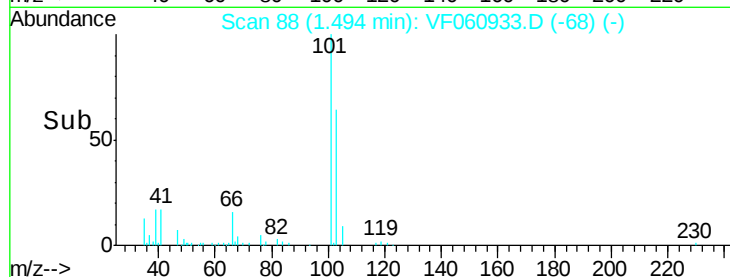
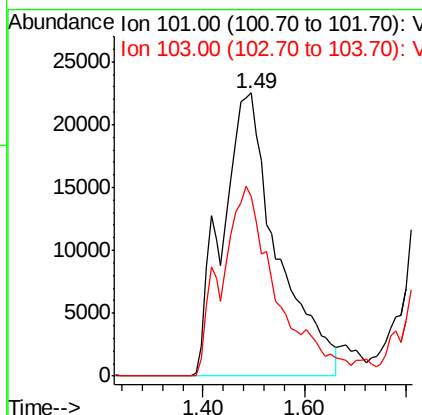
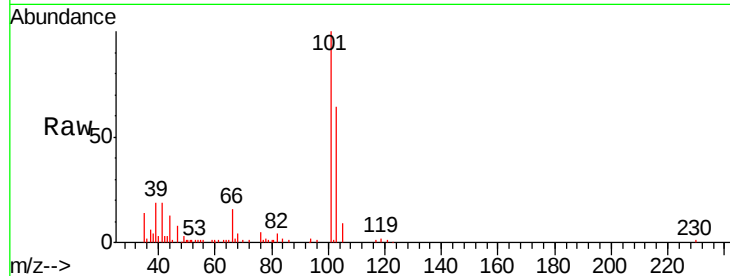
Trichlorofluoromethane
Concen: 50.326 ug/l m
RT: 1.49 min Scan# 88
Delta R.T. -0.00 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 169800
Ion Ratio Lower Upper
101 100
103 63.7 55.4 83.0

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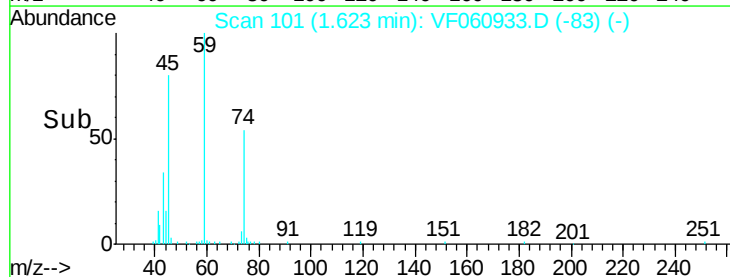
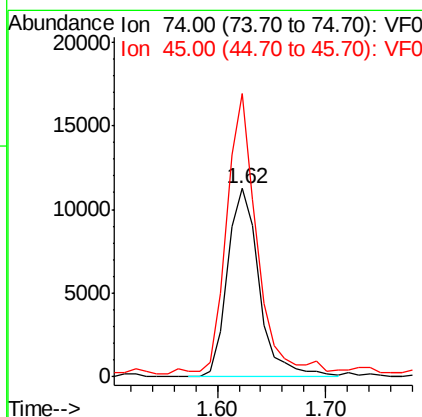
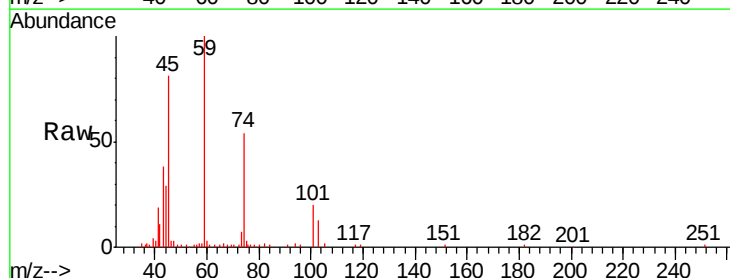
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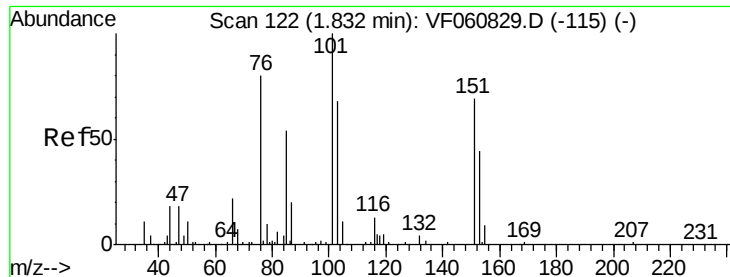


#8

Diethyl Ether
Concen: 47.519 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion: 74 Resp: 23055
Ion Ratio Lower Upper
74 100
45 150.4 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.038 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

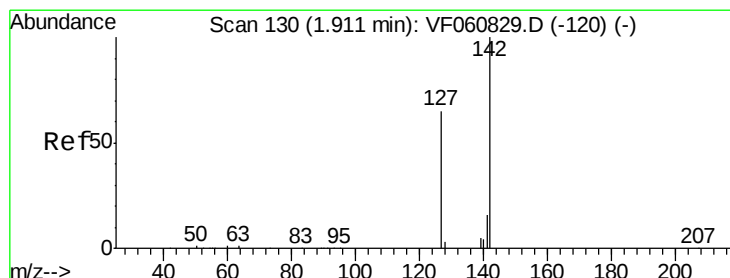
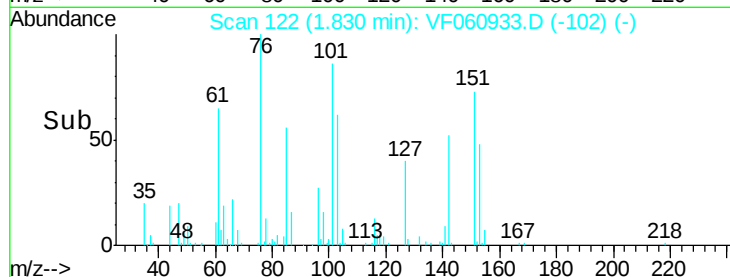
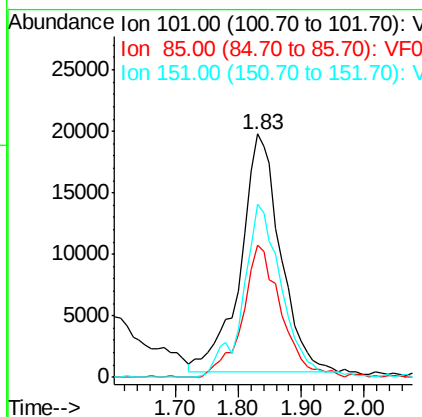
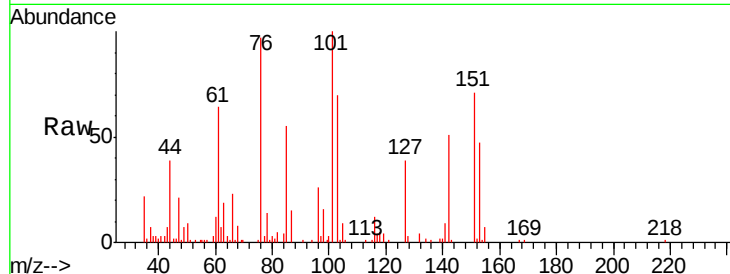
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	85351
Ion Ratio	Lower	Upper	
101	100		
85	54.5	42.8	64.2
151	71.2	54.4	81.6

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#10

Methyl Iodide

Concen: 47.752 ug/l m

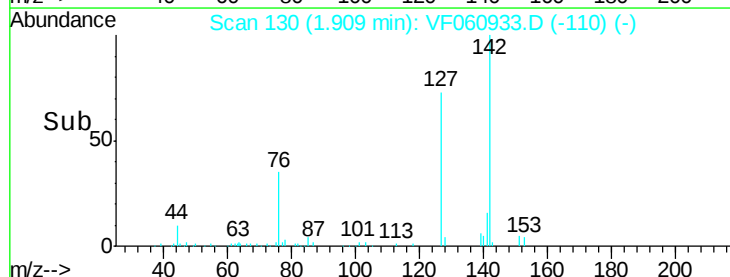
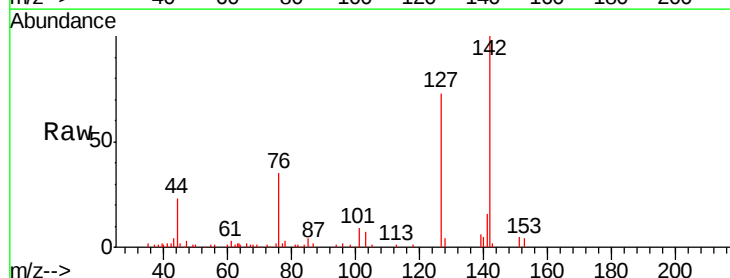
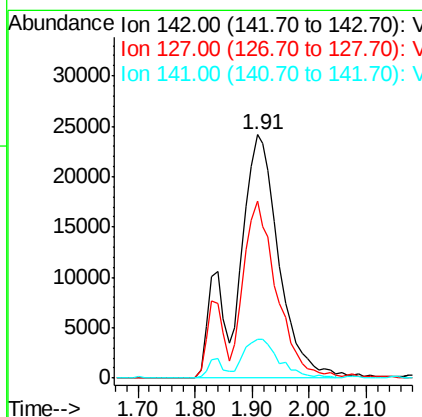
RT: 1.91 min Scan# 130

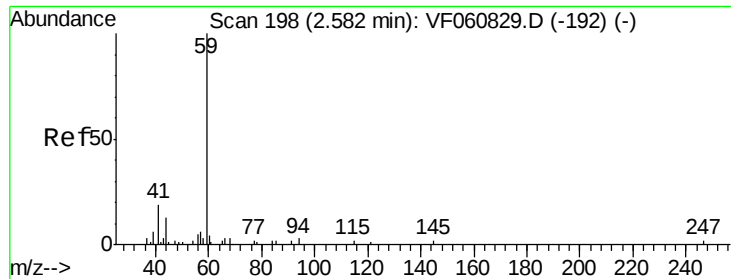
Delta R.T. -0.00 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	142	Resp:	123807
Ion Ratio	Lower	Upper	
142	100		
127	72.5	51.9	77.9
141	15.7	12.7	19.1





#11

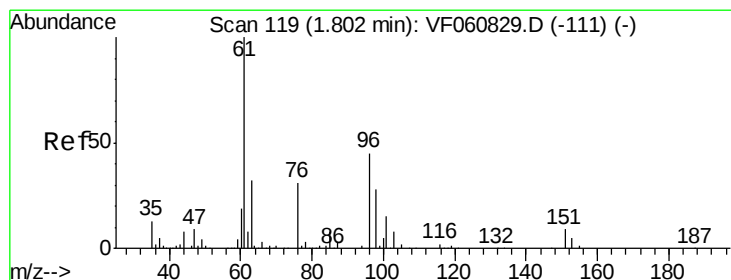
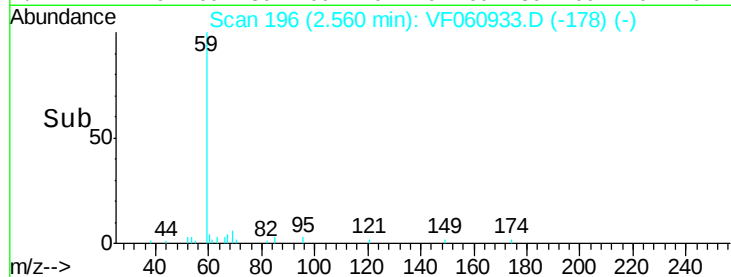
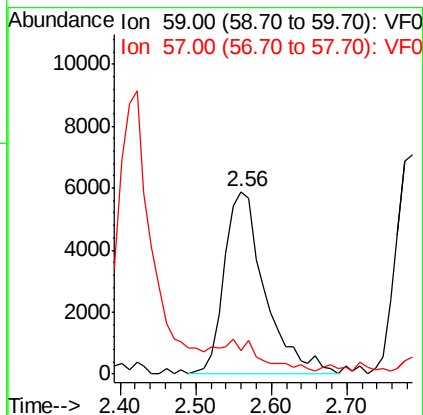
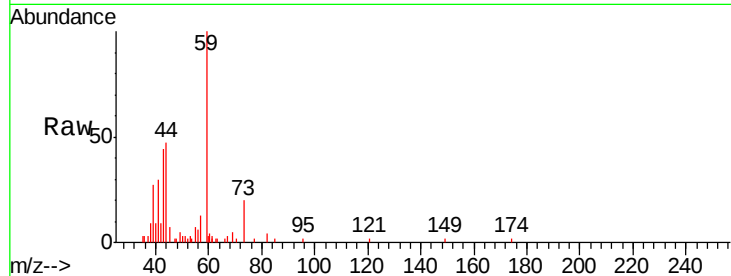
Tert butyl alcohol
Concen: 262.627 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 21975
Ion Ratio Lower Upper
59 100
57 13.2 12.7 19.1

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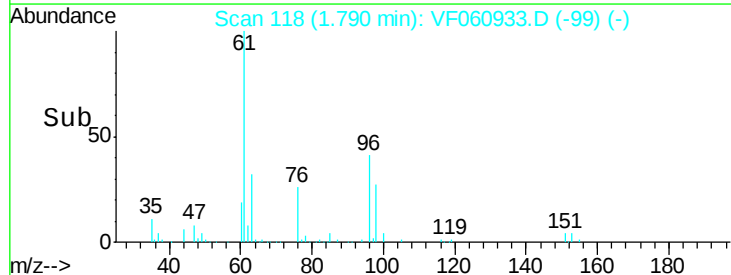
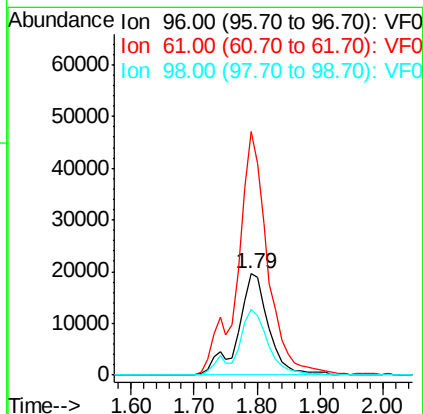
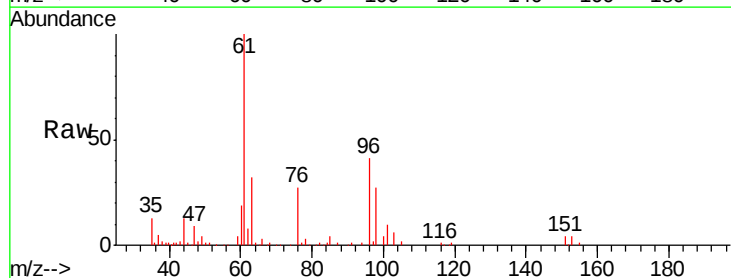
apatel
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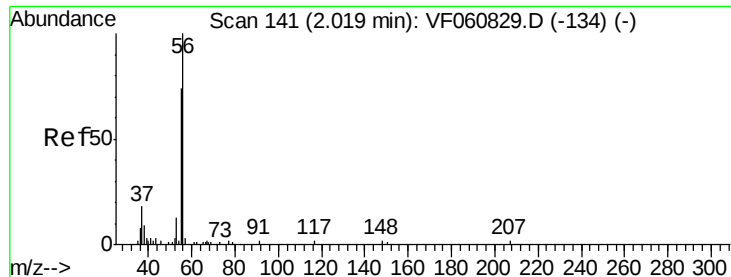


#12

1,1-Dichloroethene
Concen: 48.405 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion: 96 Resp: 66410
Ion Ratio Lower Upper
96 100
61 241.2 177.3 265.9
98 65.2 49.6 74.4





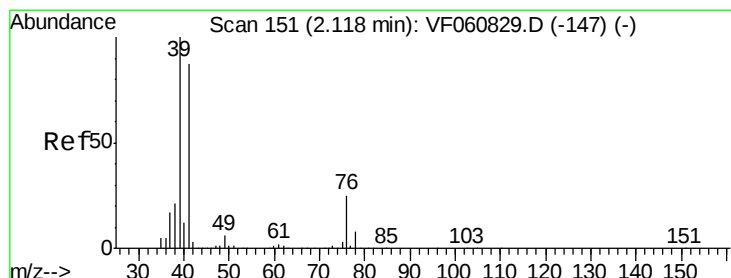
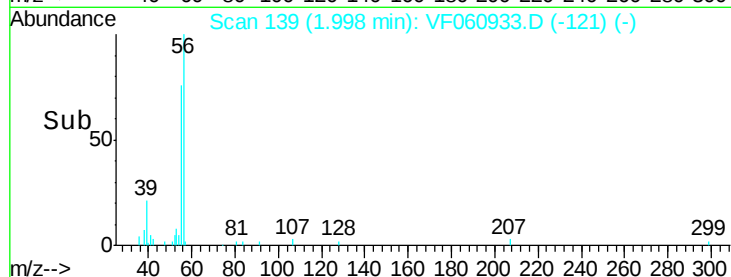
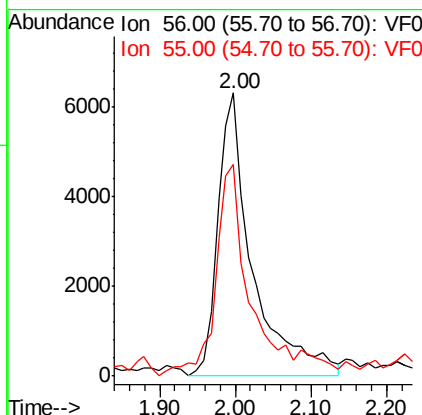
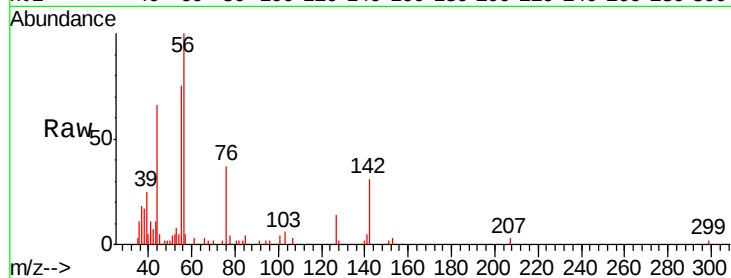
#13
Acrolein
Concen: 253.083 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 20064
Ion Ratio Lower Upper
56 100
55 74.6 61.2 91.8

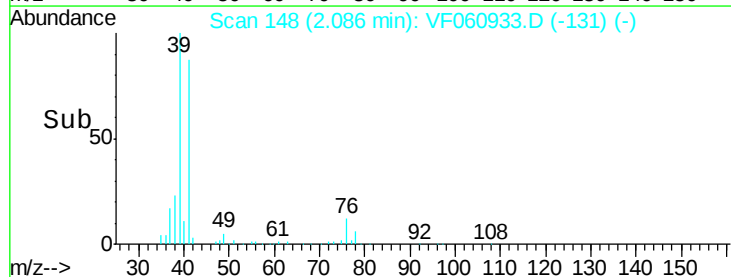
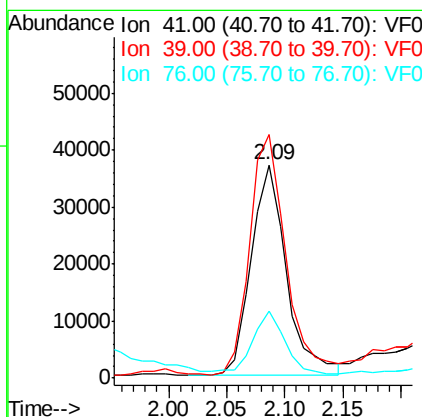
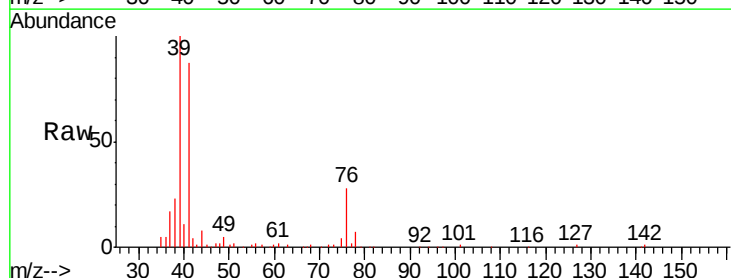
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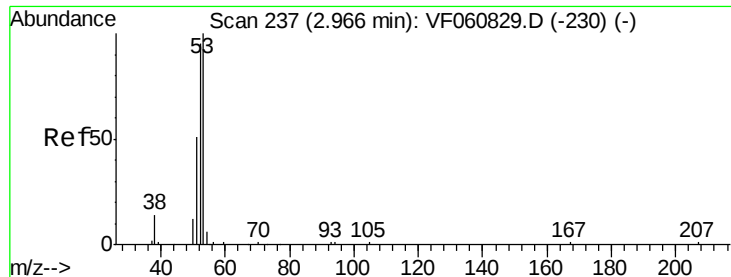
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#14
Allyl chloride
Concen: 45.899 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.03 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion: 41 Resp: 78489
Ion Ratio Lower Upper
41 100
39 114.4 91.7 137.5
76 31.7 23.5 35.3





#15

Acrylonitrile

Concen: 275.596 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

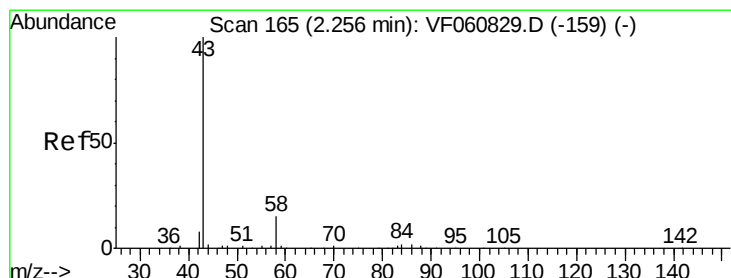
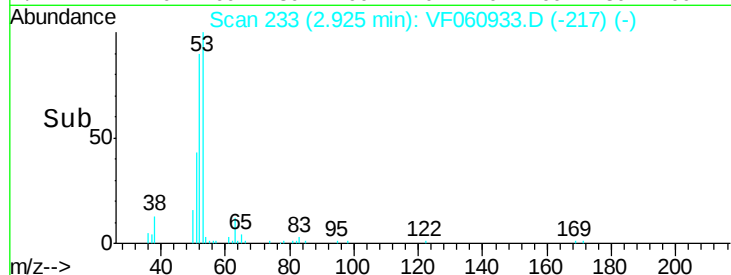
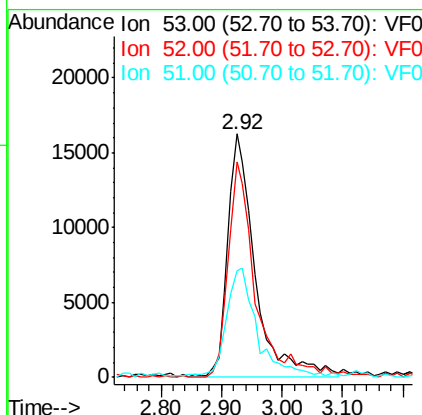
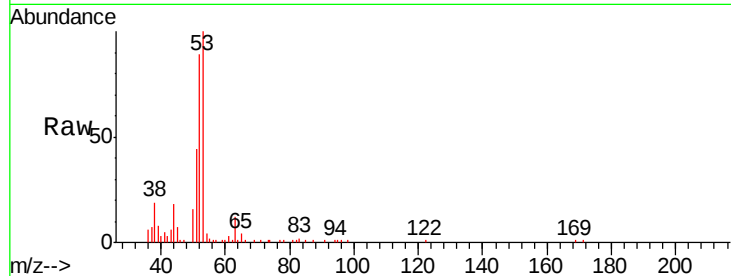
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	51699
Ion	Ratio	Lower	Upper
53	100		
52	88.6	76.5	114.7
51	44.0	40.7	61.1

Manual Integrations
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#16

Acetone

Concen: 283.922 ug/l

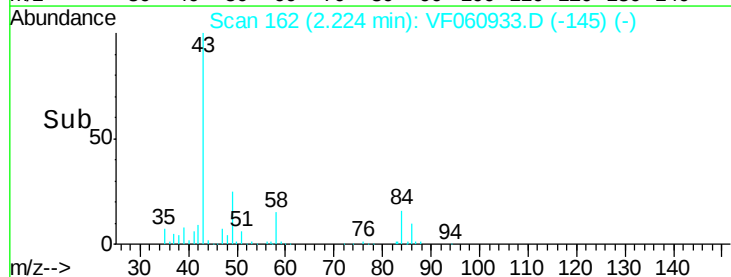
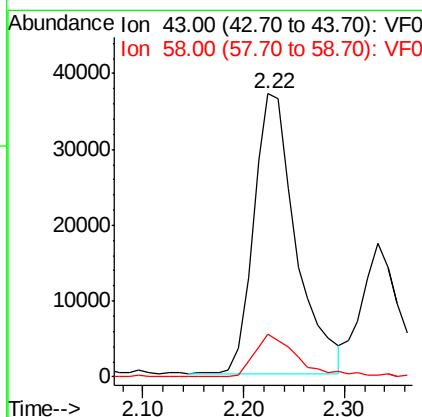
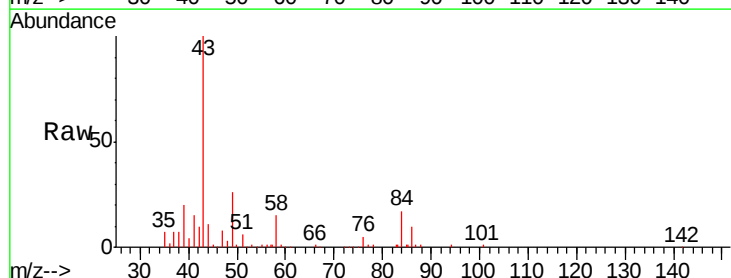
RT: 2.22 min Scan# 162

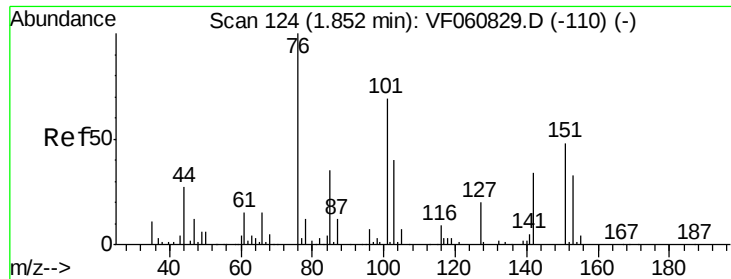
Delta R.T. -0.03 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	43	Resp:	106871
Ion	Ratio	Lower	Upper
43	100		
58	14.9	11.4	17.2





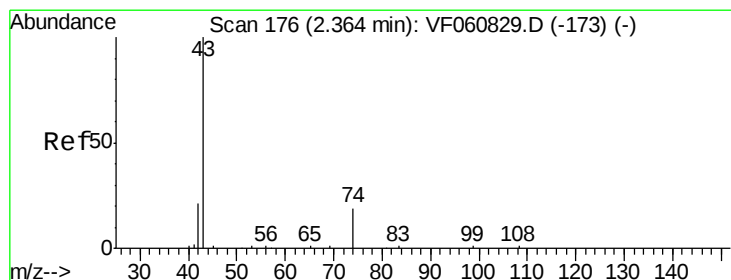
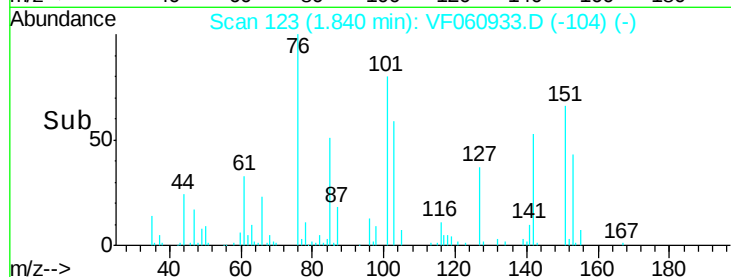
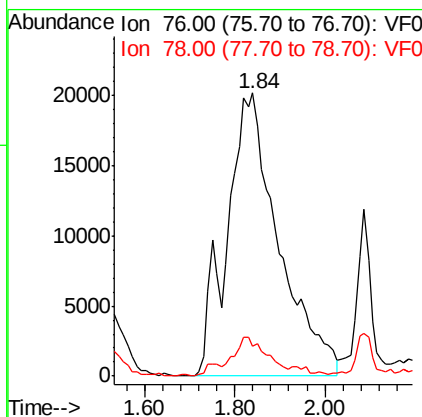
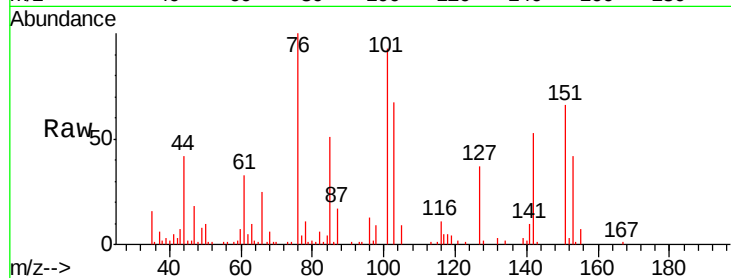
#17
Carbon Disulfide
Concen: 43.580 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 160315
Ion Ratio Lower Upper
76 100
78 10.7 10.2 15.2

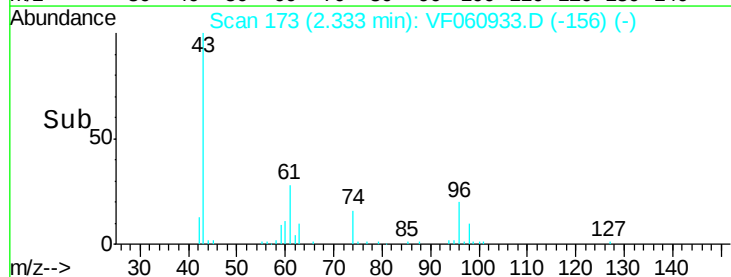
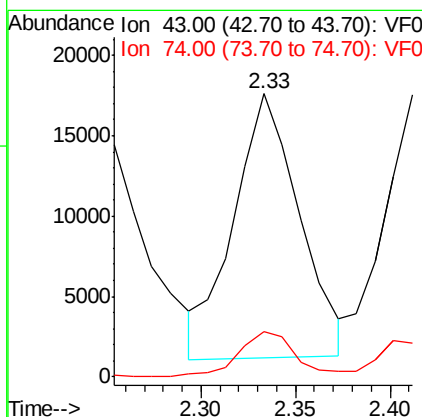
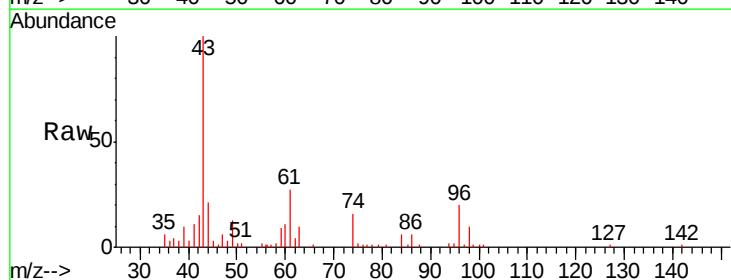
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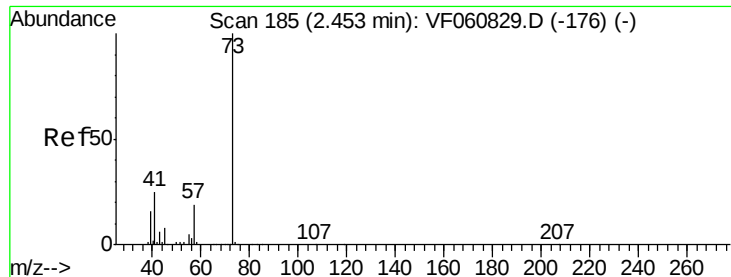
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#18
Methyl Acetate
Concen: 63.251 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion: 43 Resp: 39666
Ion Ratio Lower Upper
43 100
74 15.9 13.3 19.9





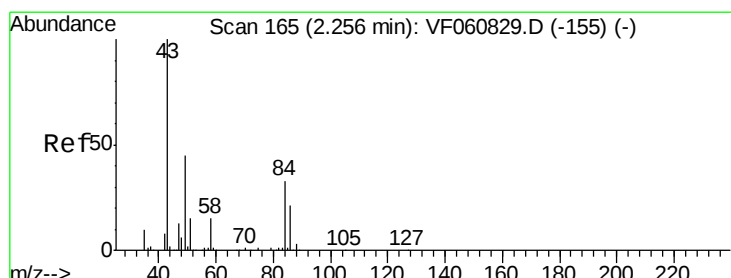
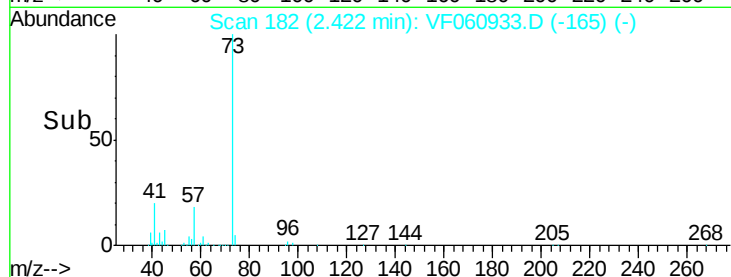
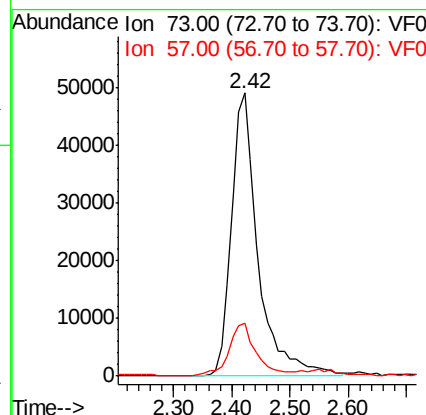
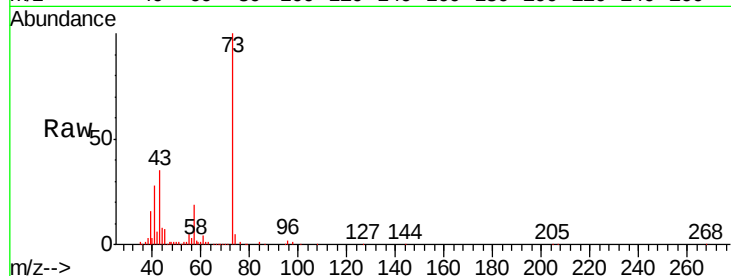
#19
Methyl tert-butyl Ether
Concen: 50.650 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 156513
Ion Ratio Lower Upper
73 100
57 18.6 15.3 22.9

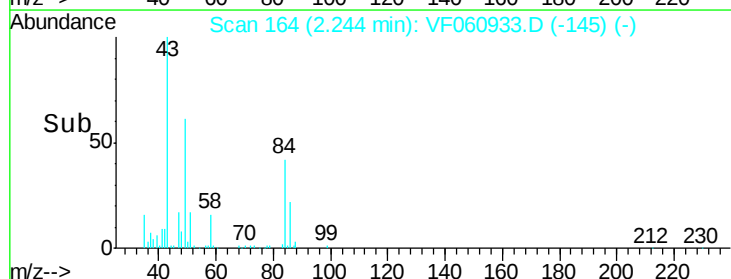
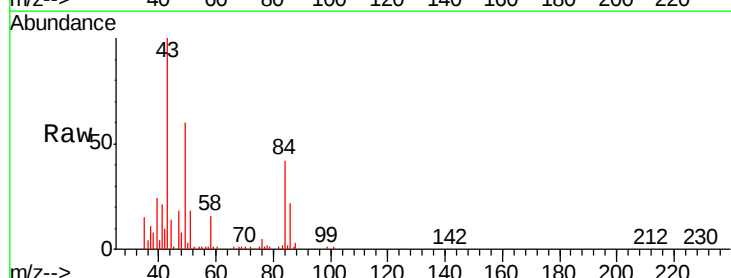
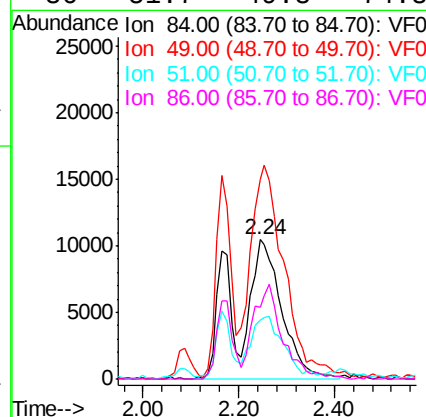
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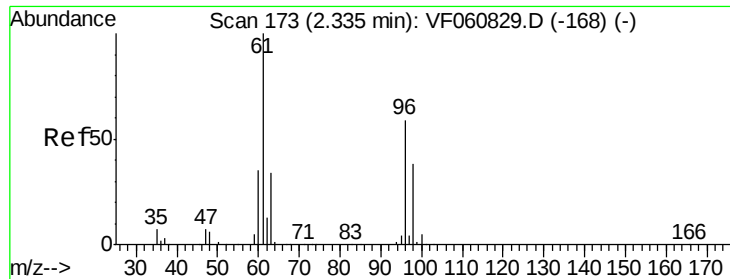
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#20
Methylene Chloride
Concen: 48.774 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion: 84 Resp: 67351
Ion Ratio Lower Upper
84 100
49 144.0 111.3 166.9
51 42.8 38.0 57.0
86 51.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.344 ug/l m

RT: 2.29 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

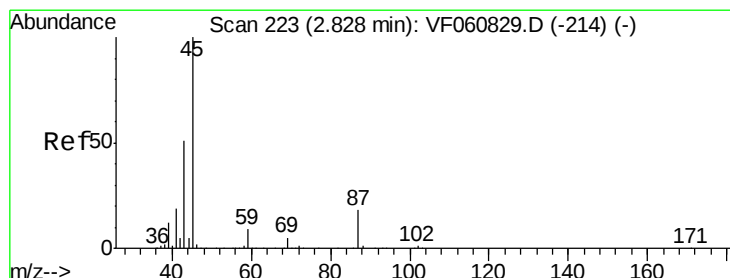
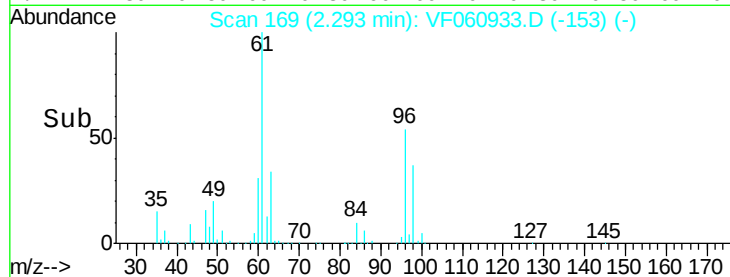
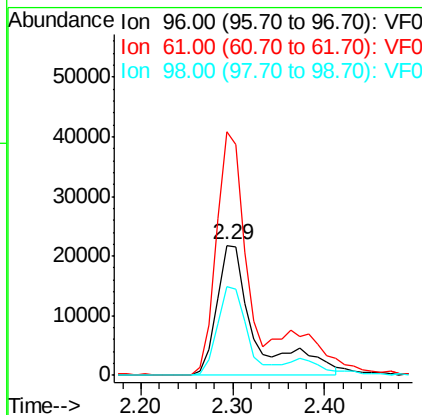
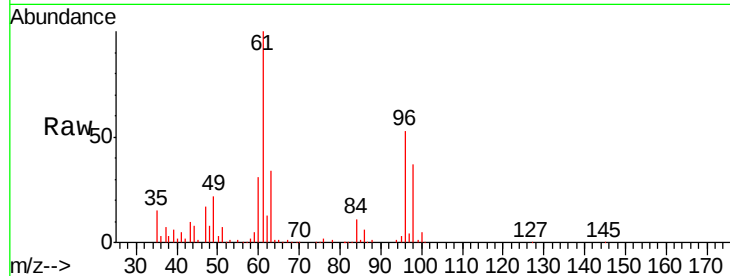
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	63944
Ion	Ratio	Lower	Upper
96	100		
61	187.0	134.5	201.7
98	68.5	51.6	77.4

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#22

Diisopropyl ether

Concen: 53.378 ug/l

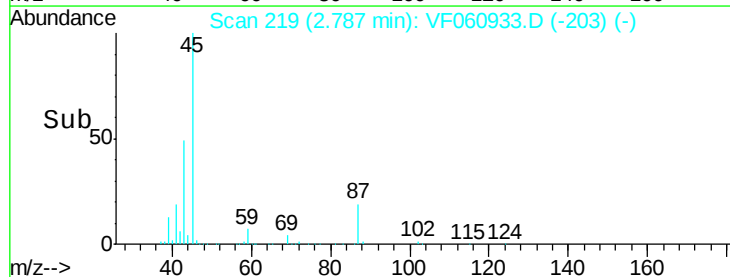
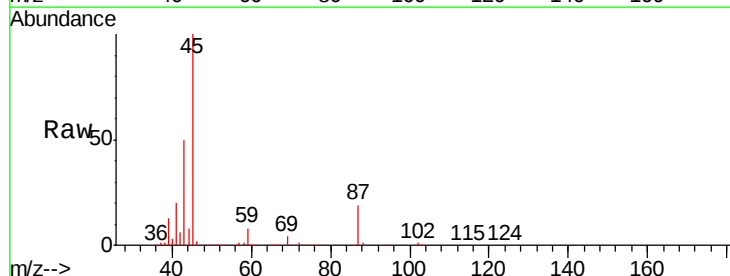
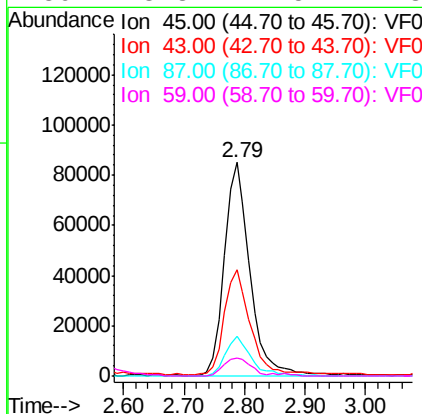
RT: 2.79 min Scan# 219

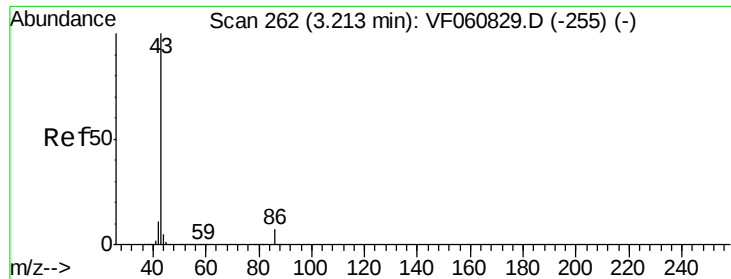
Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	45	Resp:	248458
Ion	Ratio	Lower	Upper
45	100		
43	50.0	41.0	61.6
87	18.9	14.6	22.0
59	8.3	7.5	11.3





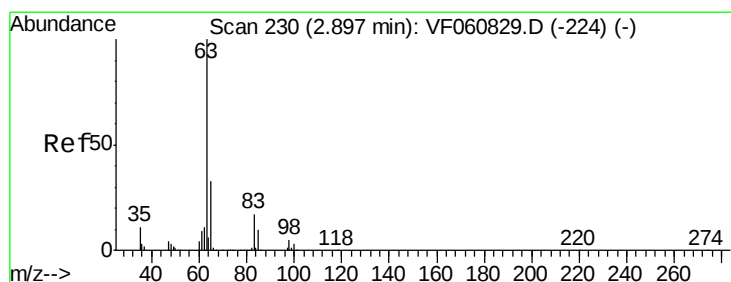
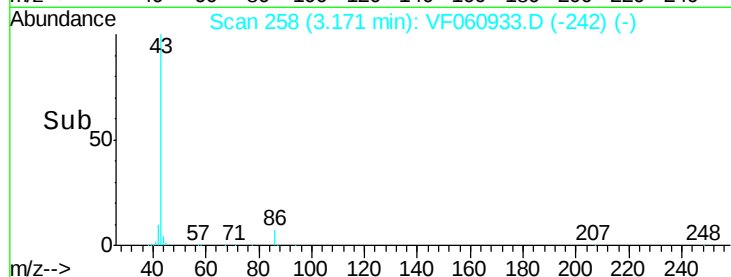
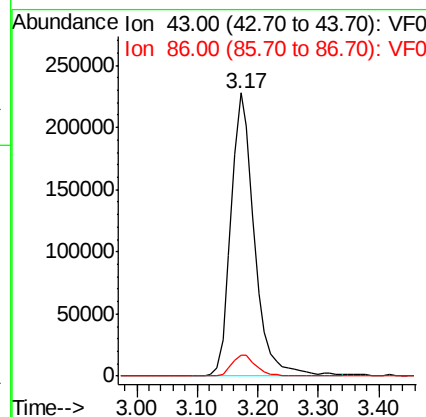
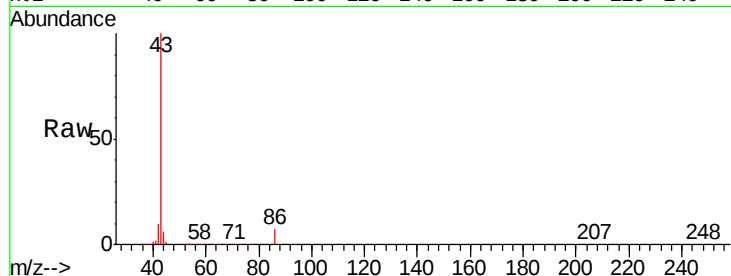
#23
 Vinyl Acetate
 Concen: 285.951 ug/l
 RT: 3.17 min Scan# 258
 Delta R.T. -0.04 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.4	8.0

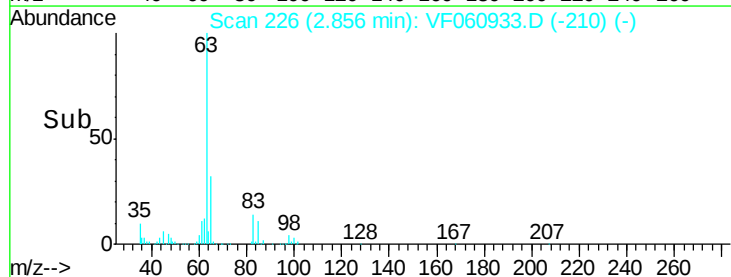
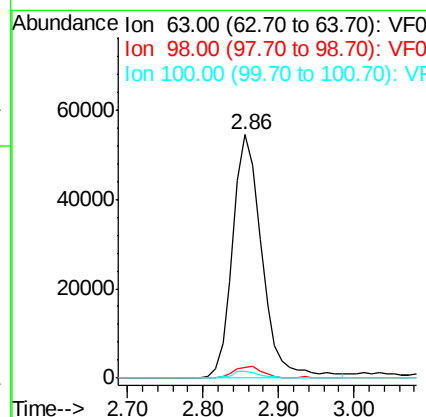
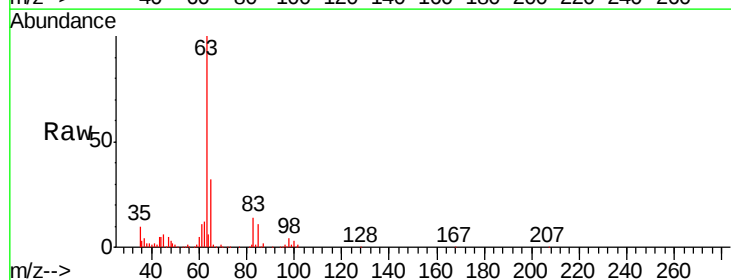
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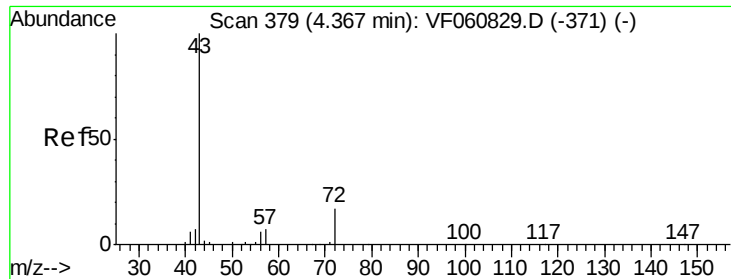
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#24
 1,1-Dichloroethane
 Concen: 52.950 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.04 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.7	8.1
100	2.7	1.5	4.5





#25

2-Butanone

Concen: 247.177 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 160926

Ion Ratio Lower Upper

43 100

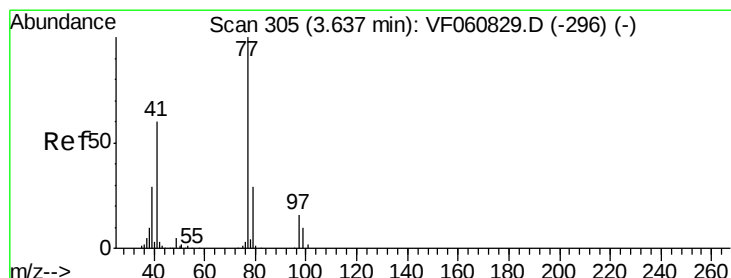
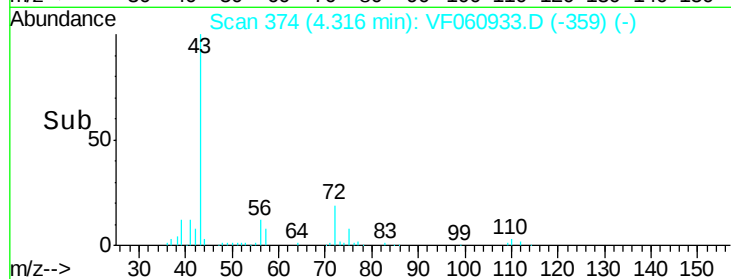
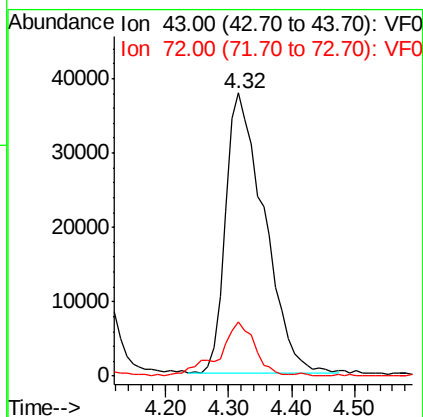
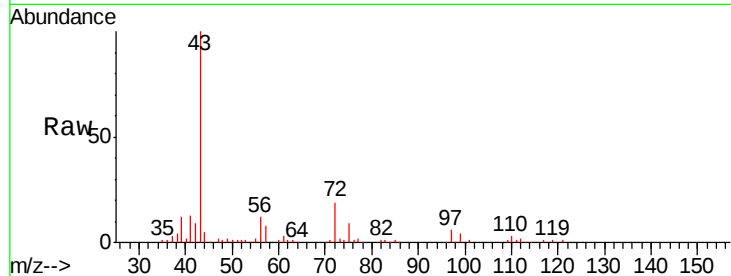
72 19.0 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.908 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF060933.D

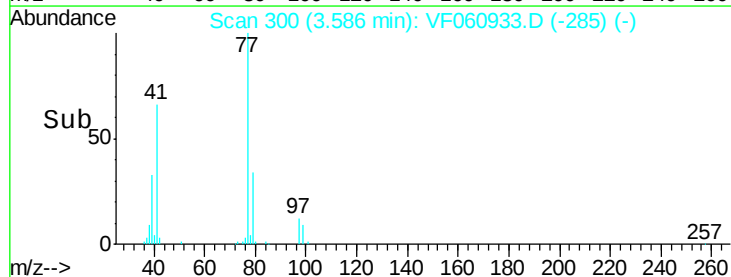
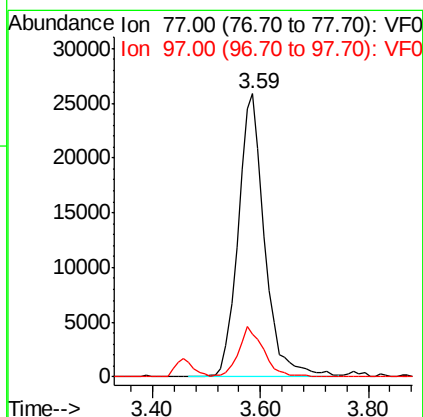
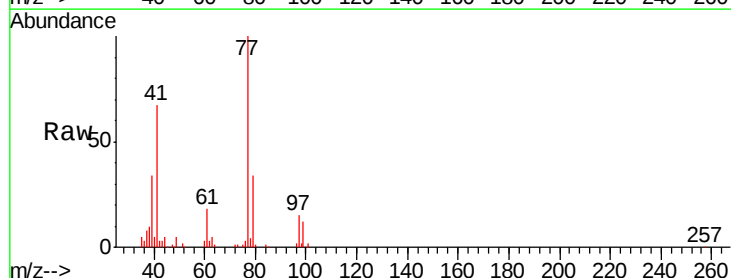
Acq: 7 Dec 2018 16:21

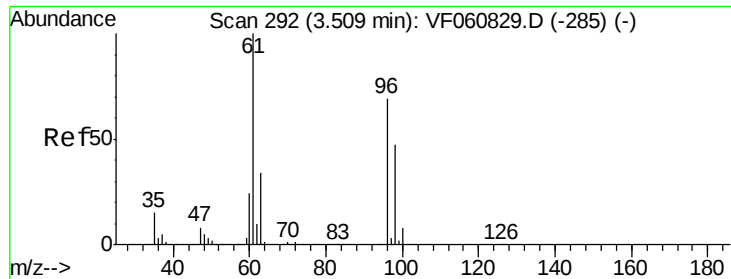
Tgt Ion: 77 Resp: 87811

Ion Ratio Lower Upper

77 100

97 14.9 8.6 25.8





#27

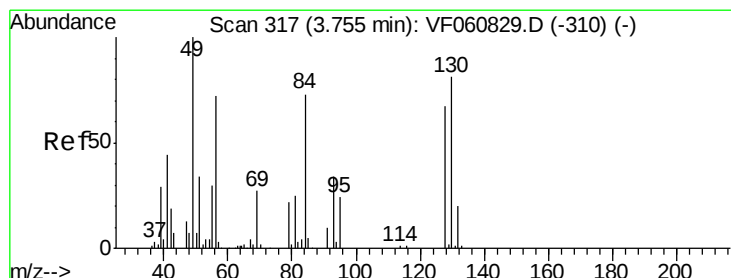
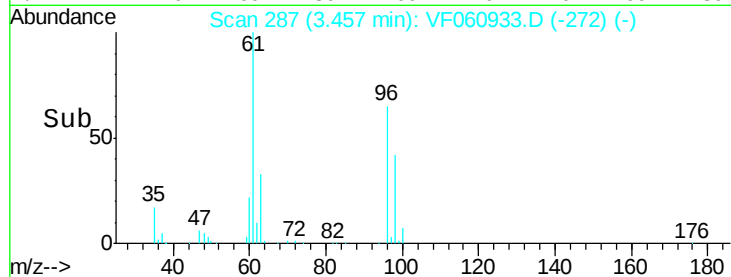
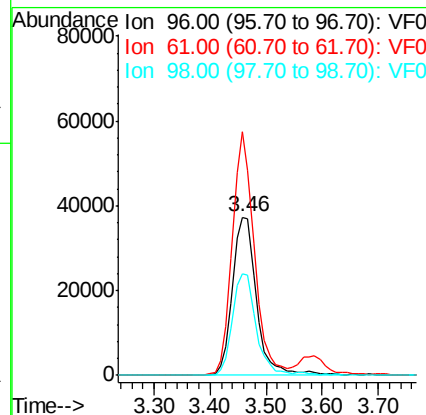
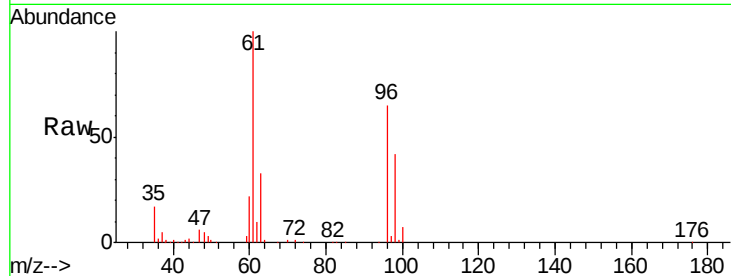
cis-1,2-Dichloroethene
 Concen: 51.798 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.05 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	111539		
61	153.7	0.0	290.6	
98	64.1	0.0	137.8	

Manual Integrations
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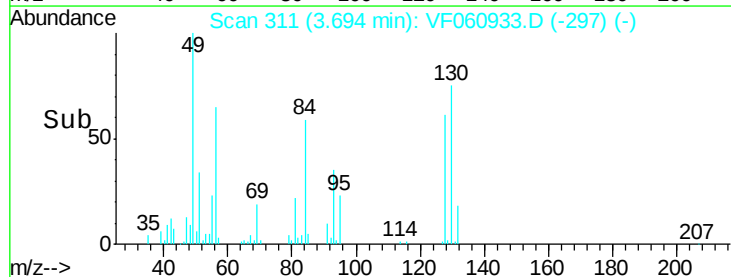
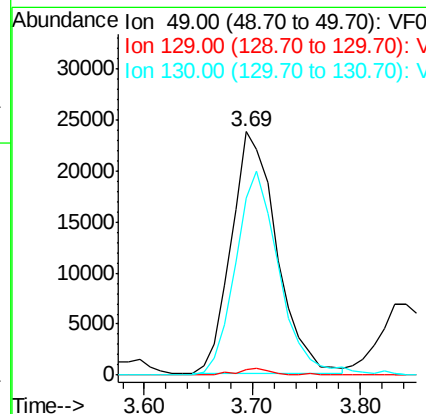
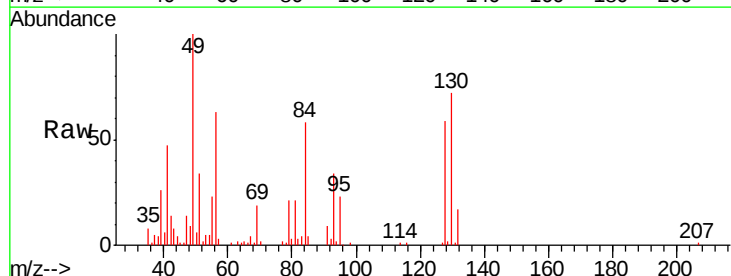
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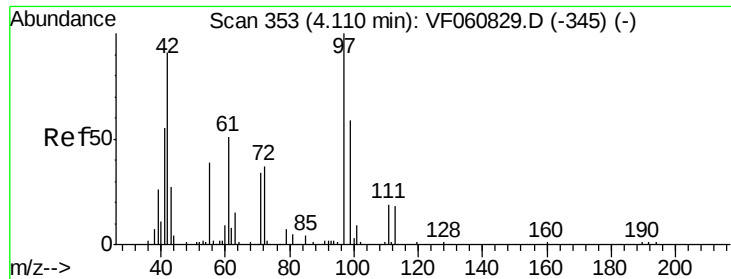


#28

Bromochloromethane
 Concen: 52.505 ug/l
 RT: 3.69 min Scan# 311
 Delta R.T. -0.06 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	69784		
129	2.0	0.0	4.4	
130	72.5	64.2	96.4	





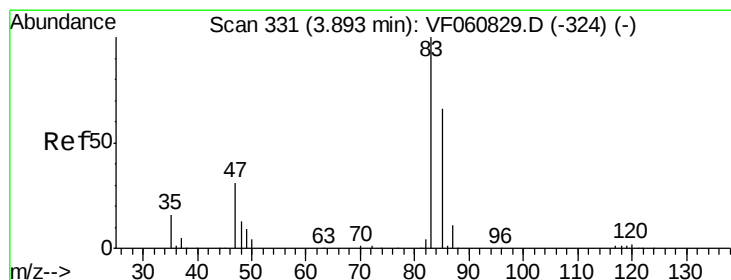
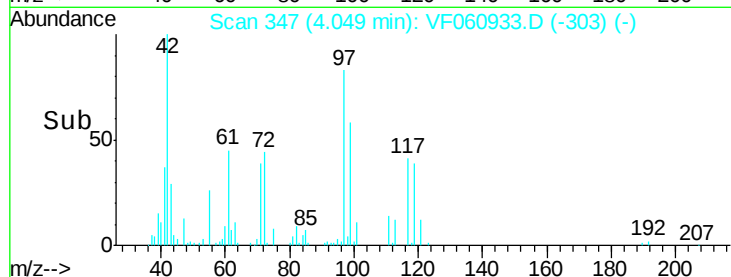
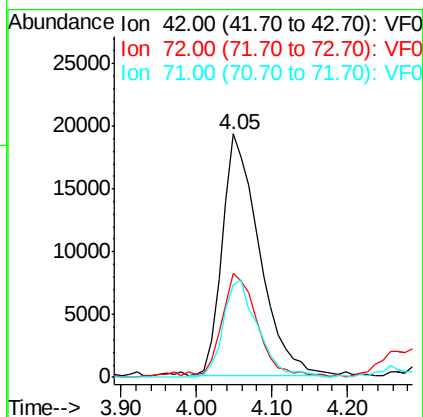
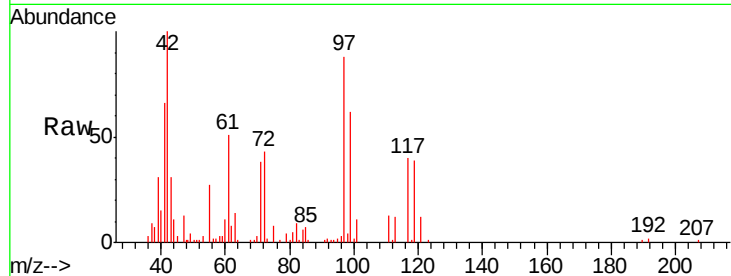
#29
Tetrahydrofuran
Concen: 235.968 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.06 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.3	31.9	47.9
71	38.0	28.7	43.1

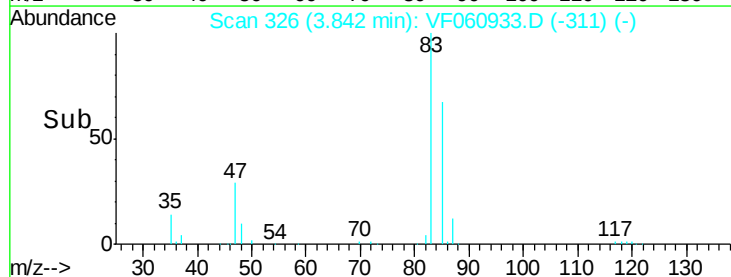
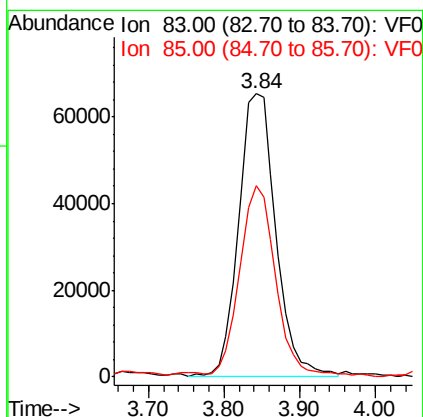
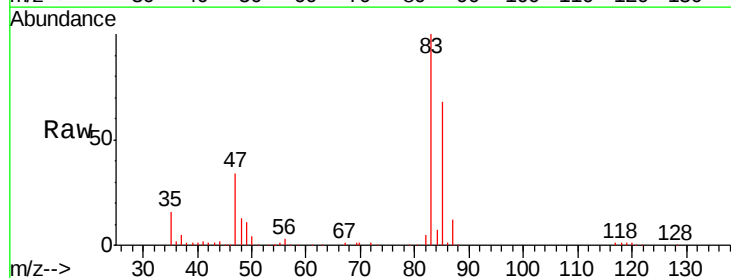
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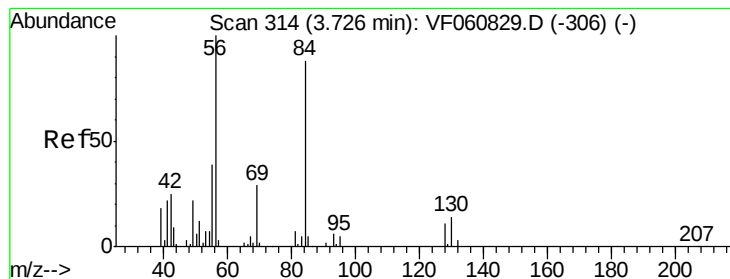
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#30
Chloroform
Concen: 52.651 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	53.4	80.2





#31

Cyclohexane

Concen: 47.857 ug/l m

RT: 3.67 min Scan# 309

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 137548
Ion Ratio Lower Upper

56 100

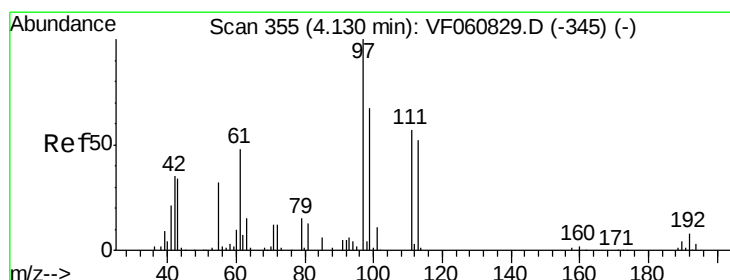
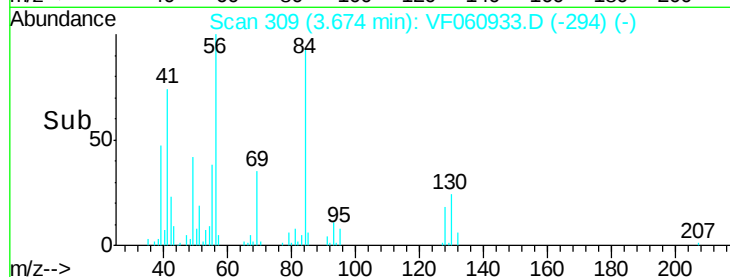
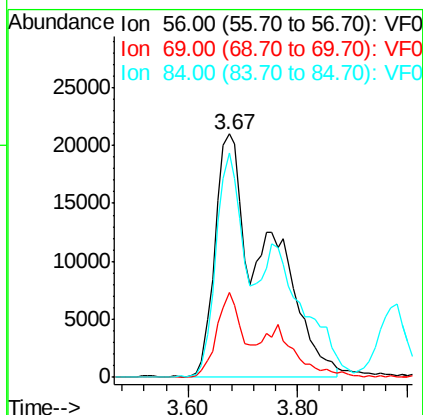
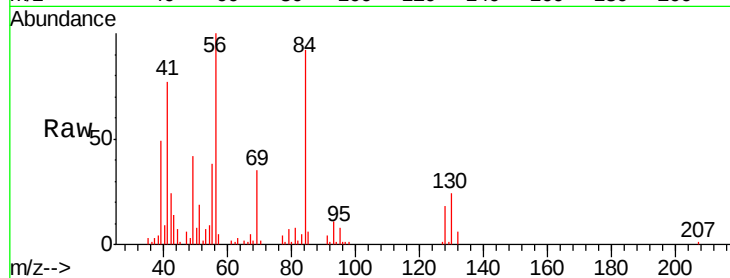
69 34.8 23.0 34.4#

84 92.4 70.4 105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 42.790 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.06 min

Lab File: VF060933.D

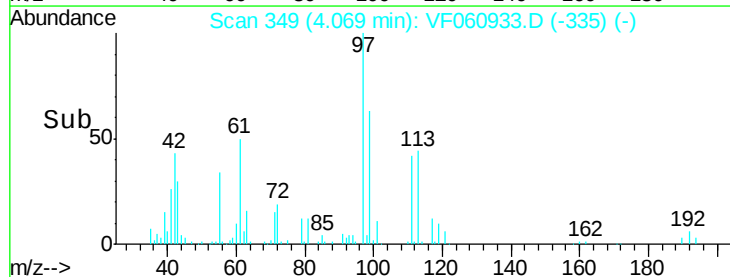
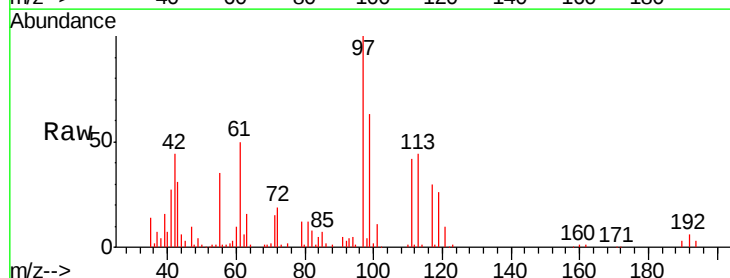
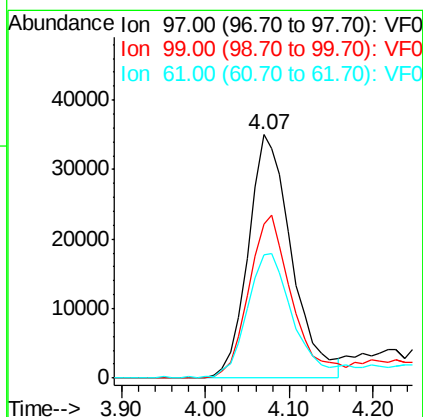
Acq: 7 Dec 2018 16:21

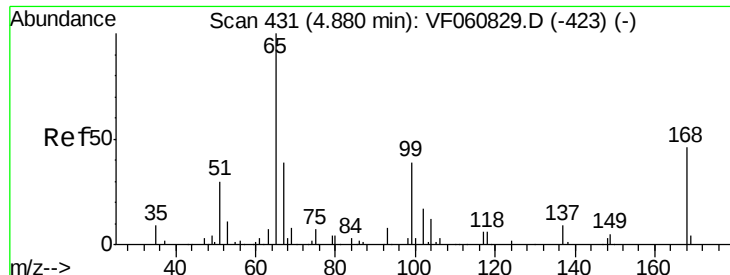
Tgt Ion: 97 Resp: 126487
Ion Ratio Lower Upper

97 100

99 63.2 53.5 80.3

61 50.4 38.6 58.0





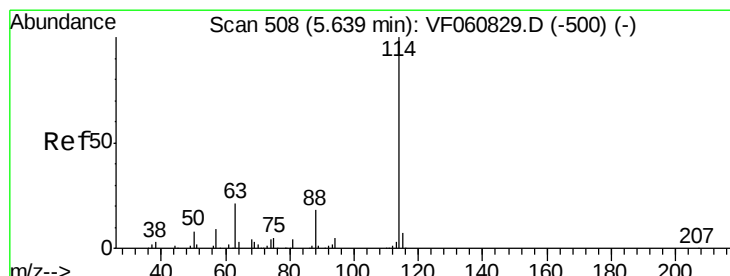
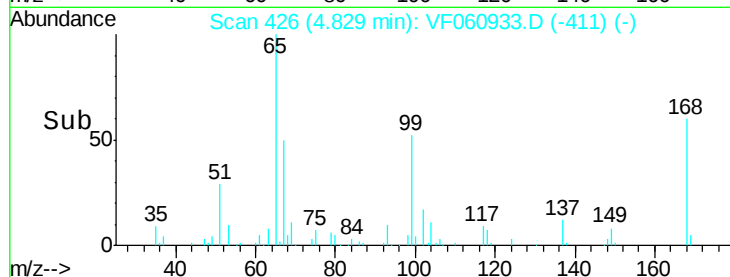
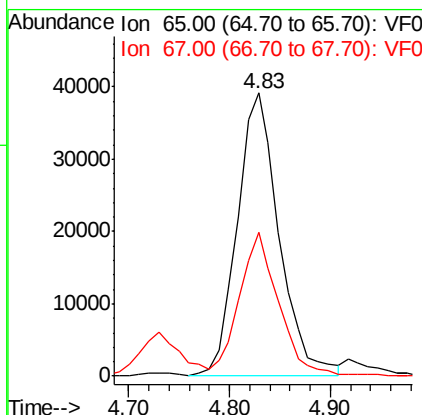
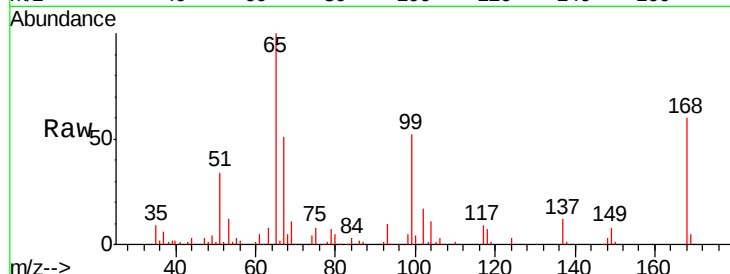
#33
 1,2-Dichloroethane-d4
 Concen: 55.552 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 113393
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 96.4

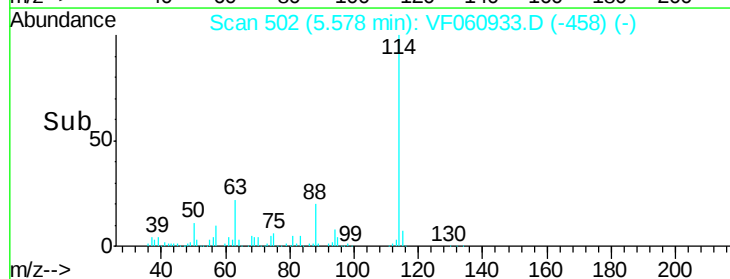
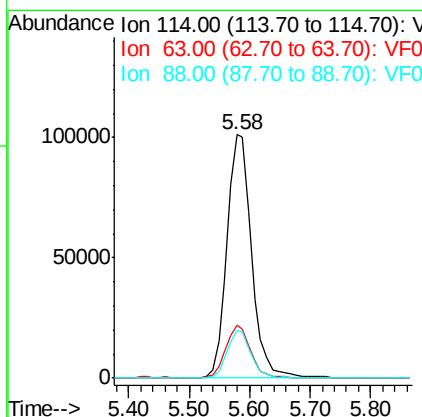
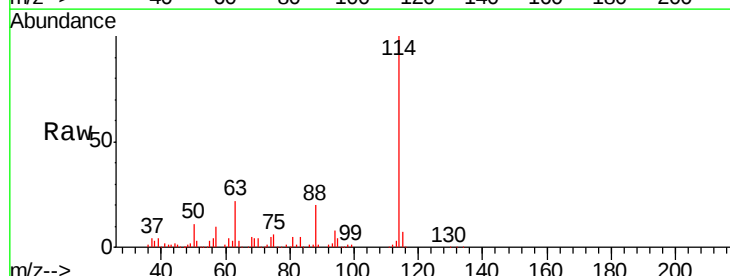
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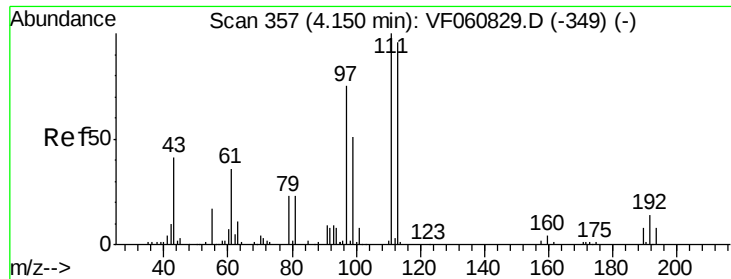
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.06 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion: 114 Resp: 285994
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 41.6
 88 19.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 53.298 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

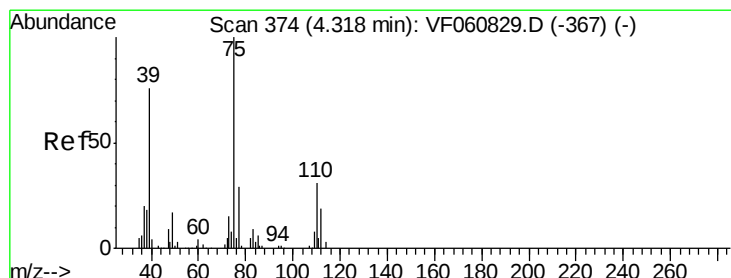
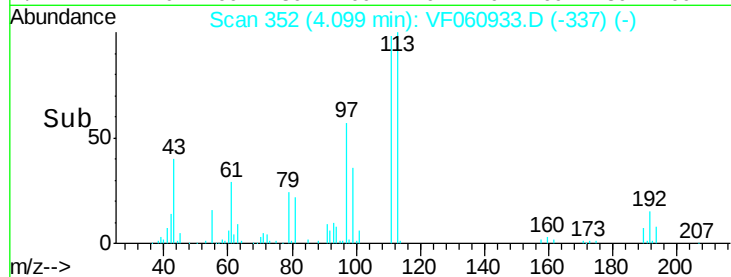
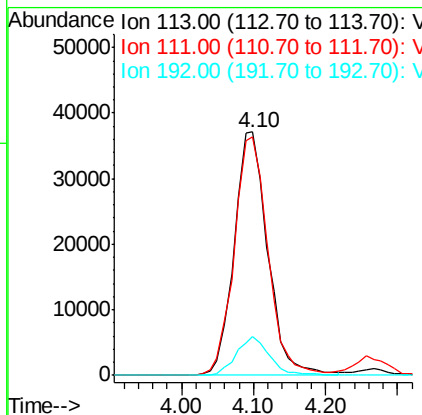
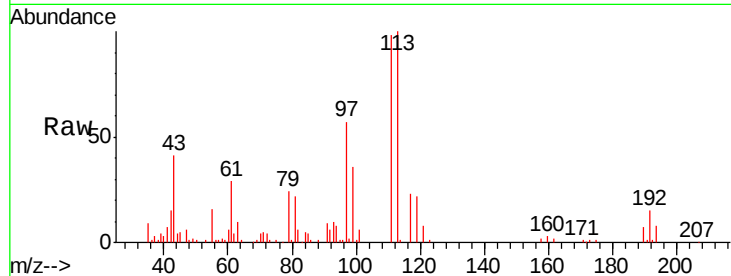
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	120926
Ion Ratio	Lower	Upper	
113	100		
111	98.1	83.0	124.6
192	16.0	12.3	18.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.767 ug/l

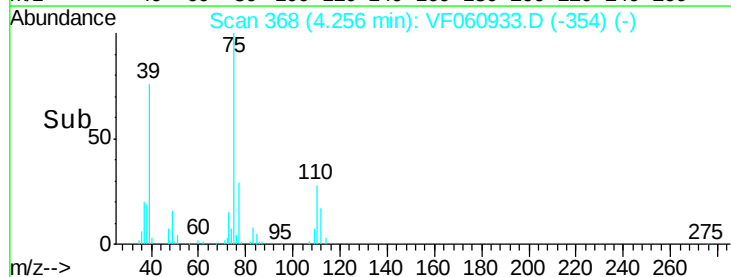
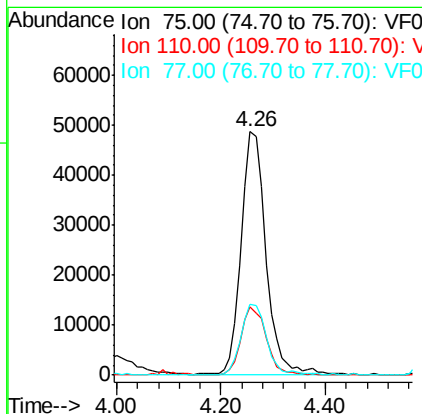
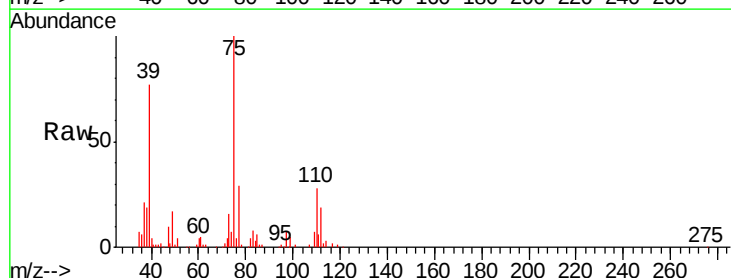
RT: 4.26 min Scan# 368

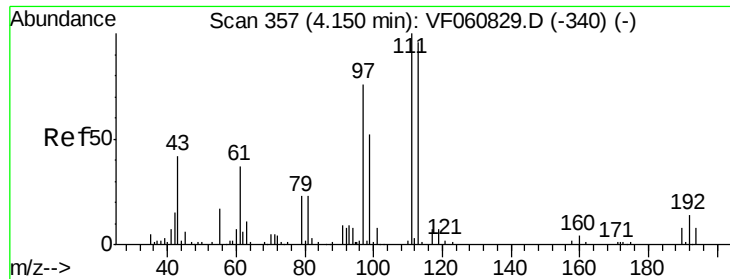
Delta R.T. -0.06 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	75	Resp:	154695
Ion Ratio	Lower	Upper	
75	100		
110	28.1	15.6	46.8
77	29.3	23.4	35.0





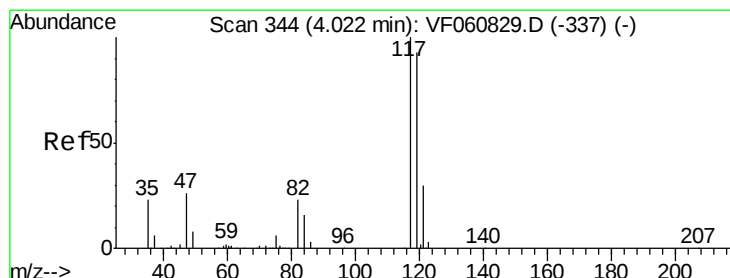
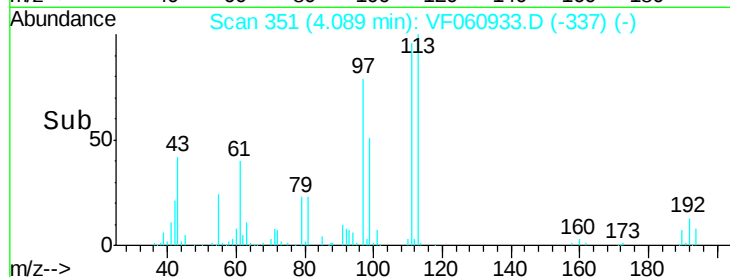
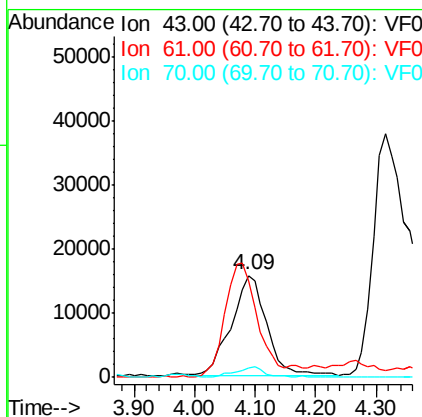
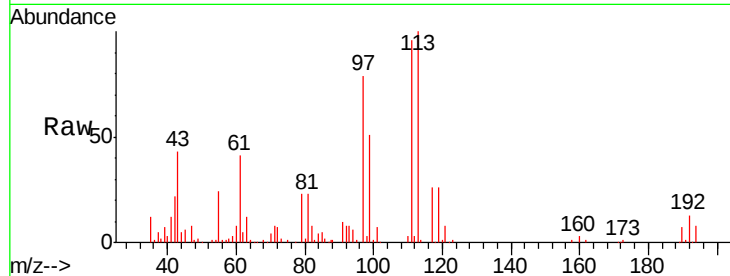
#37
Ethyl Acetate
Concen: 48.625 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.06 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 62682
Ion Ratio Lower Upper
43 100
61 95.2 68.6 103.0
70 8.8 9.0 13.4#

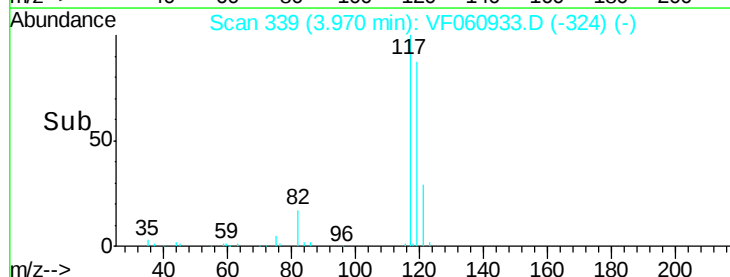
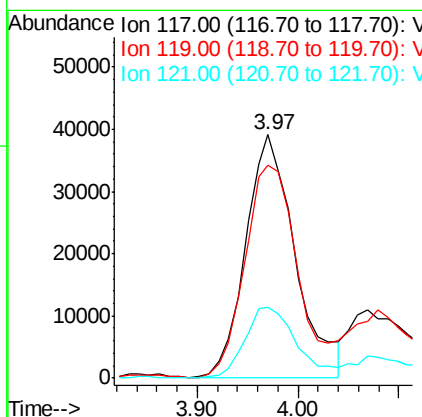
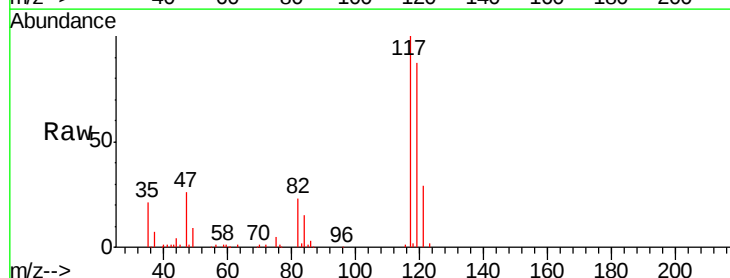
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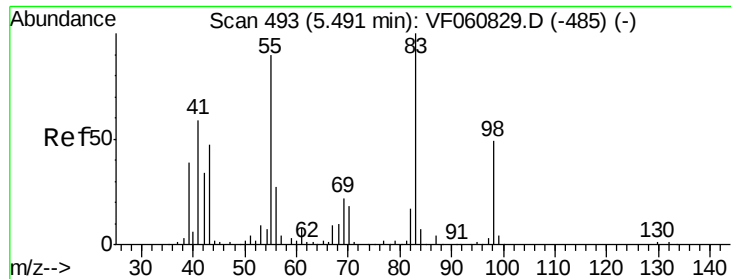
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#38
Carbon Tetrachloride
Concen: 47.933 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion: 117 Resp: 134299
Ion Ratio Lower Upper
117 100
119 87.2 74.4 111.6
121 29.0 23.5 35.3





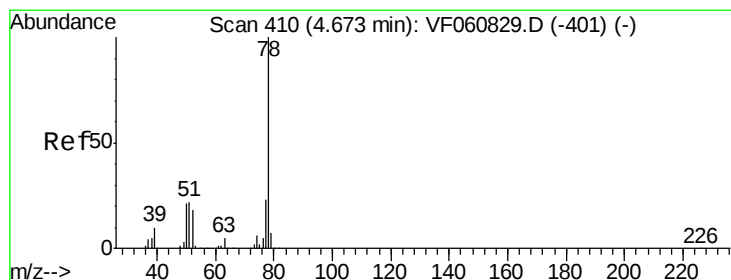
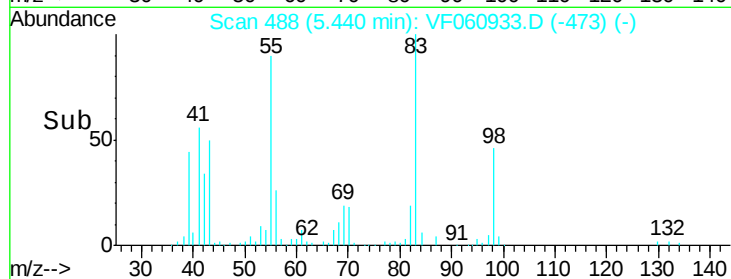
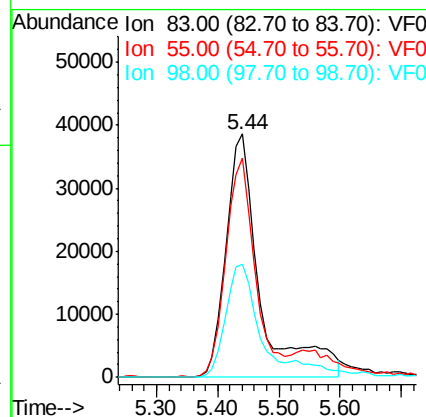
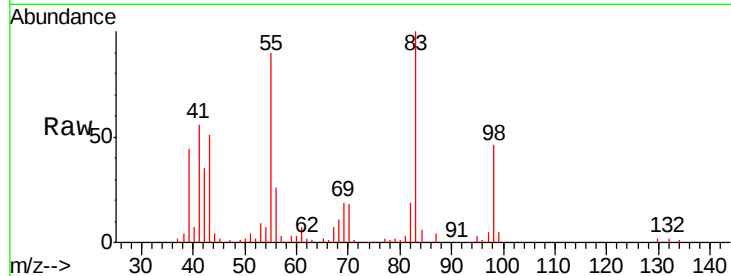
#39
Methylcyclohexane
Concen: 45.629 ug/l m
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.9	72.1	108.1
98	46.3	39.1	58.7

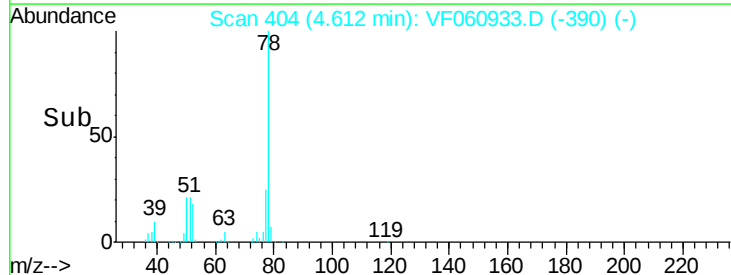
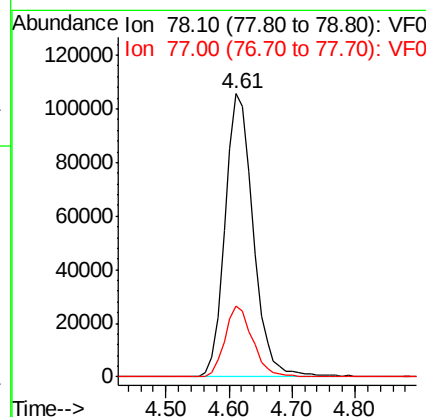
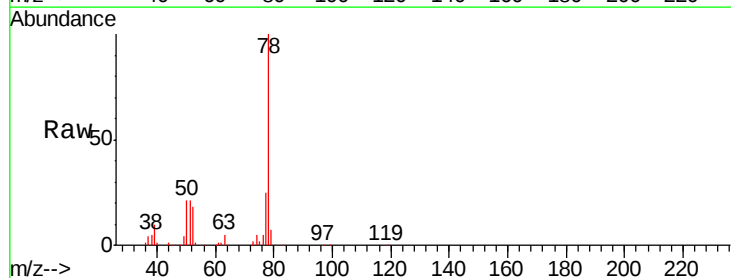
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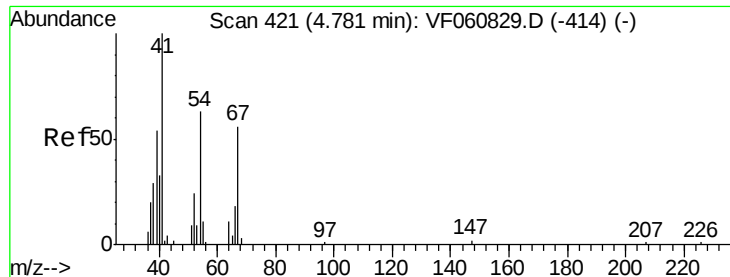
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#40
Benzene
Concen: 46.967 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.7	28.1





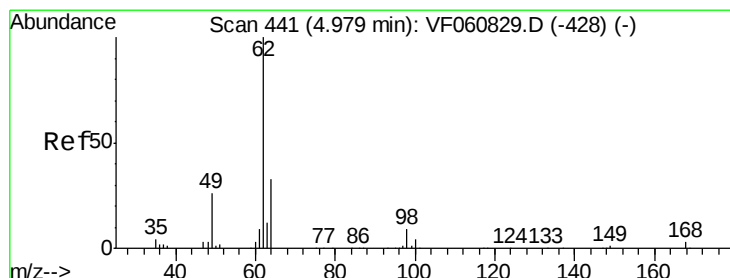
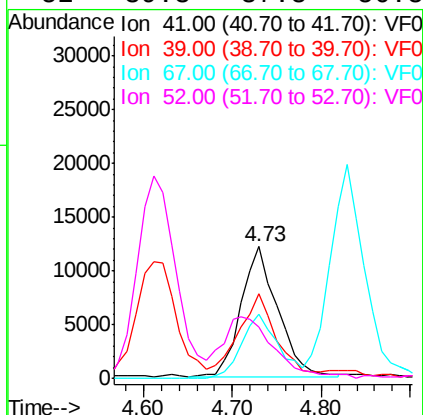
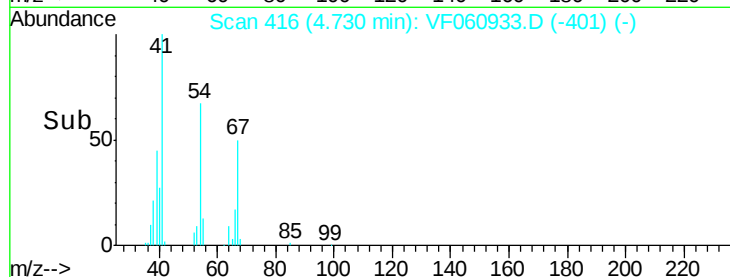
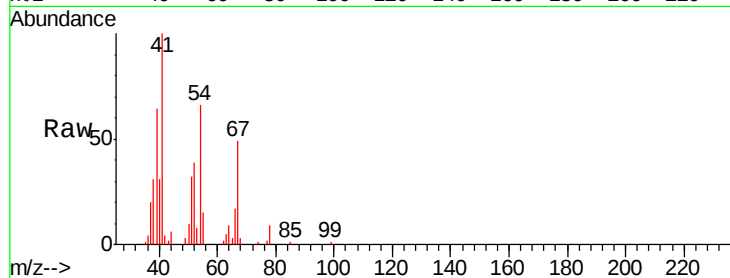
#41
Methacrylonitrile
Concen: 51.398 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.4	53.0	79.6
67	49.1	43.8	65.6
52	39.3	37.8	56.8

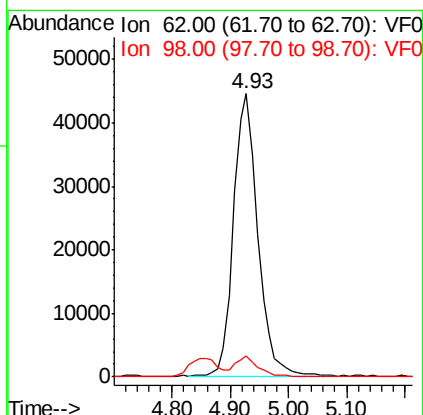
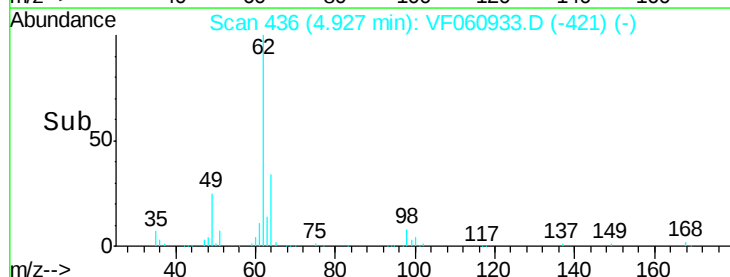
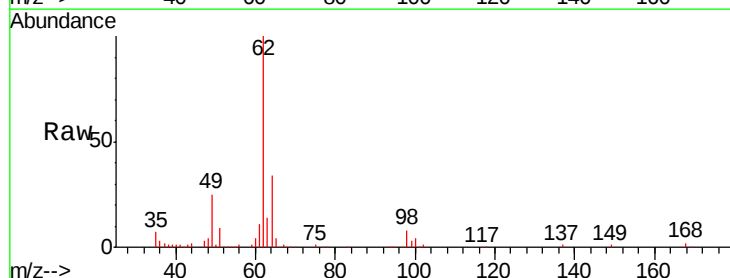
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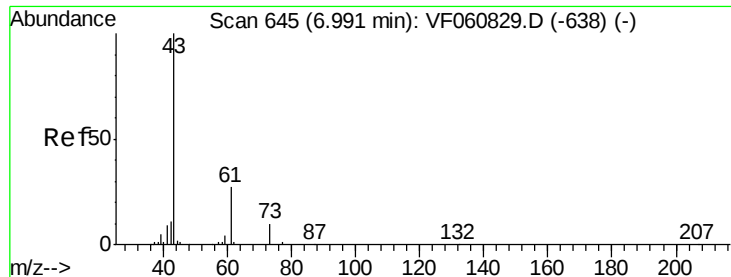
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#42
1,2-Dichloroethane
Concen: 50.648 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 47.038 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

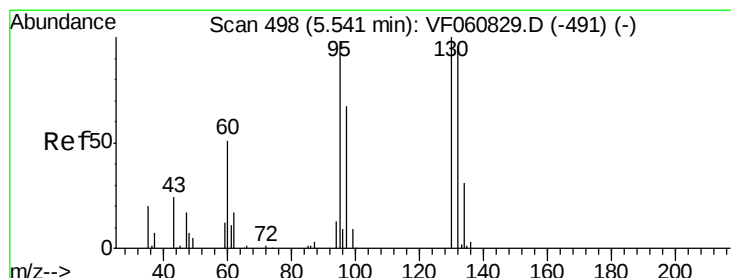
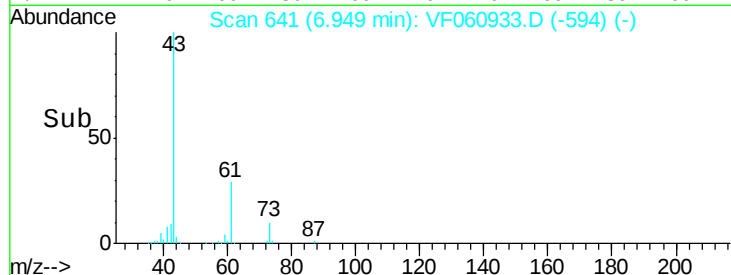
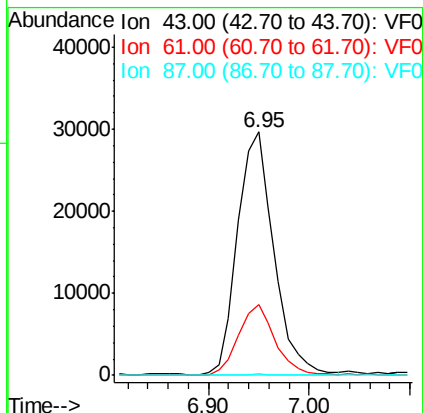
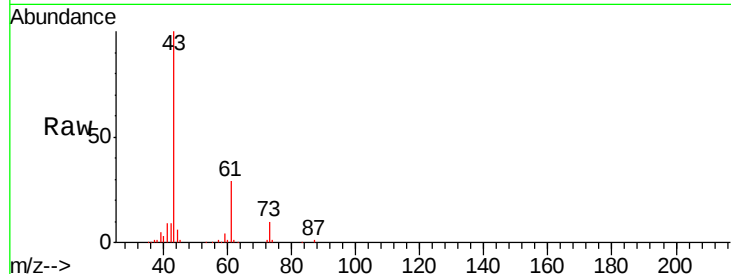
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	75069
Ion	Ratio	Lower	Upper
43	100		
61	28.9	21.4	32.0
87	0.6	0.2	0.4

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#44

Trichloroethene

Concen: 46.754 ug/l

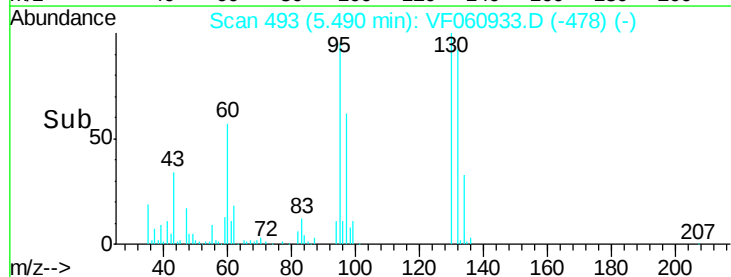
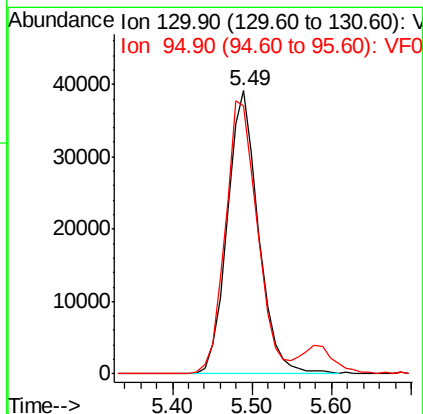
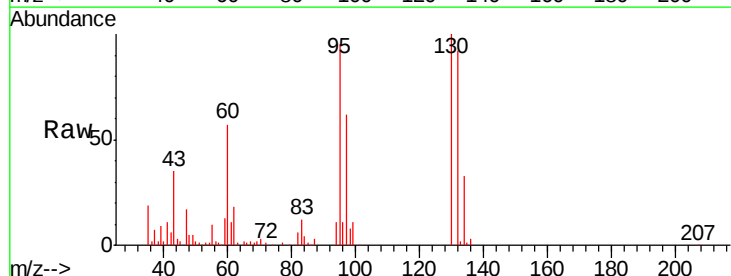
RT: 5.49 min Scan# 493

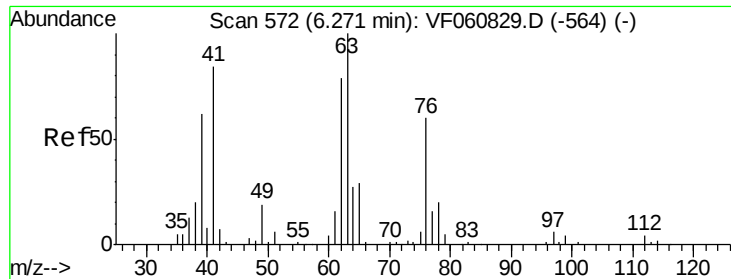
Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	130	Resp:	107130
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	195.6





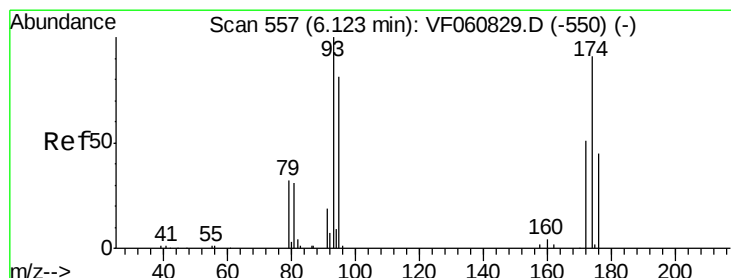
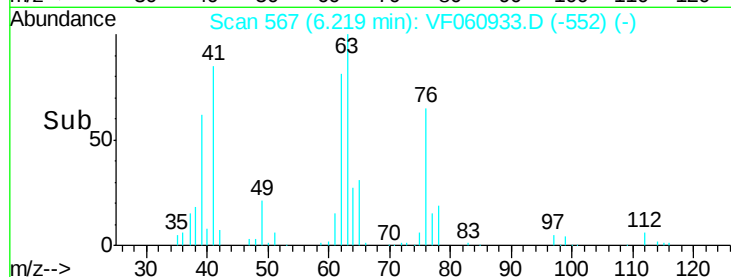
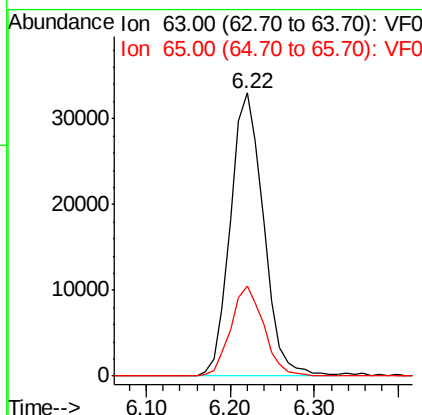
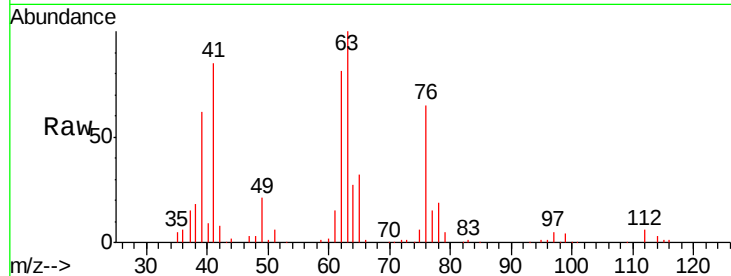
#45
 1,2-Dichloropropane
 Concen: 49.815 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.05 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 90666
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.2 34.8

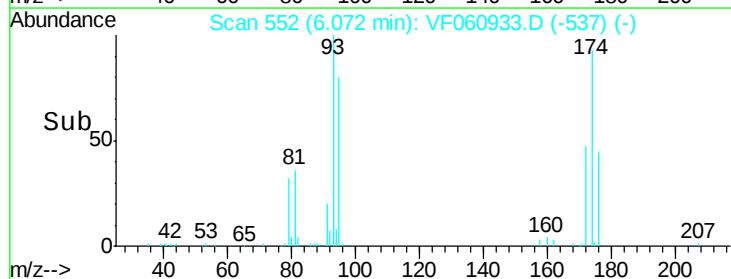
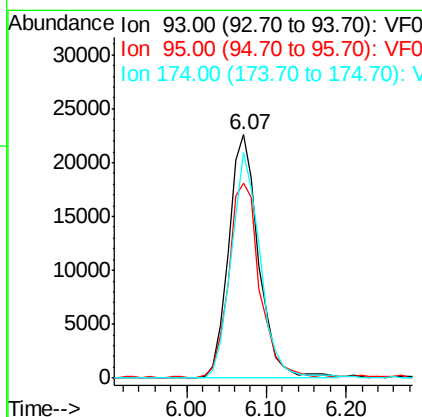
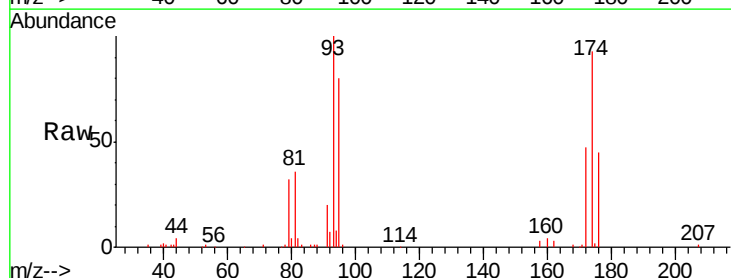
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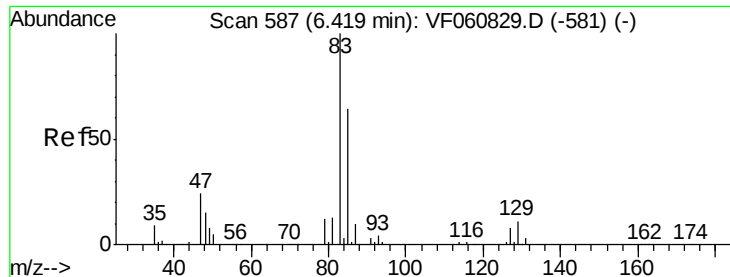
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#46
 Dibromomethane
 Concen: 48.093 ug/l
 RT: 6.07 min Scan# 552
 Delta R.T. -0.05 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion: 93 Resp: 59379
 Ion Ratio Lower Upper
 93 100
 95 80.0 64.7 97.1
 174 94.7 73.0 109.6





#47

Bromodichloromethane

Concen: 52.158 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

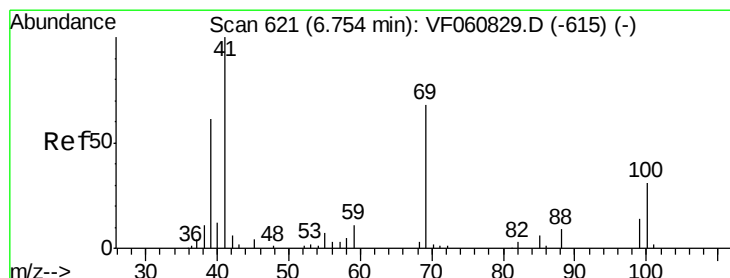
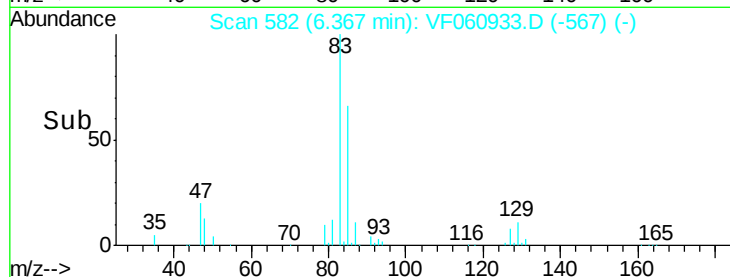
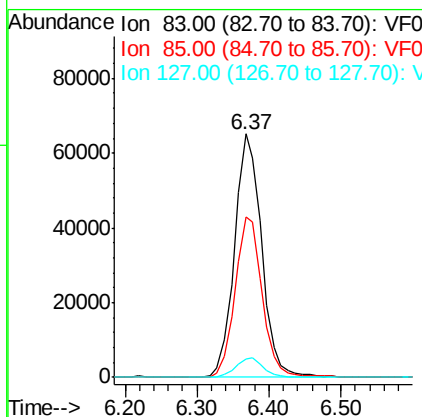
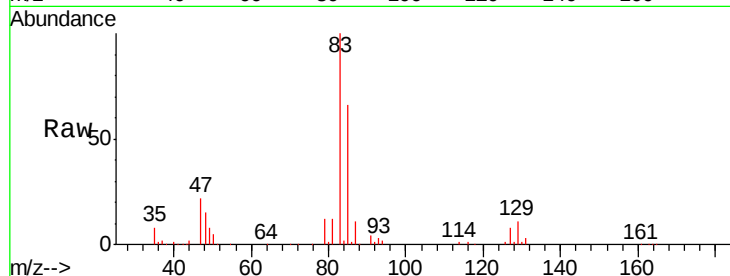
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	171039
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.1	76.7
127	7.8	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.060 ug/l

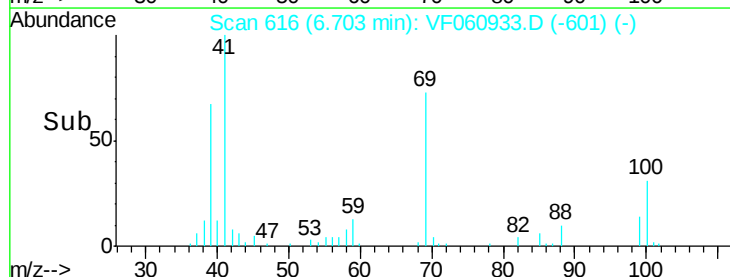
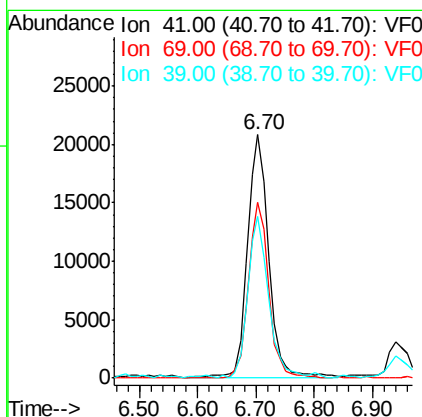
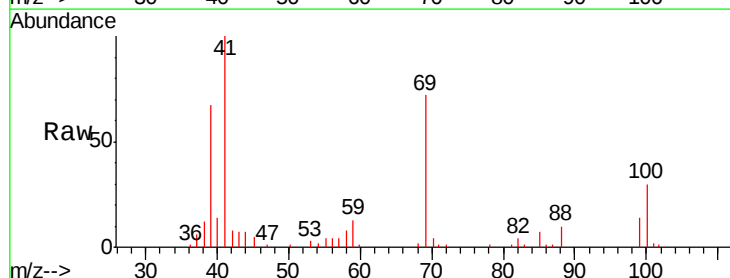
RT: 6.70 min Scan# 616

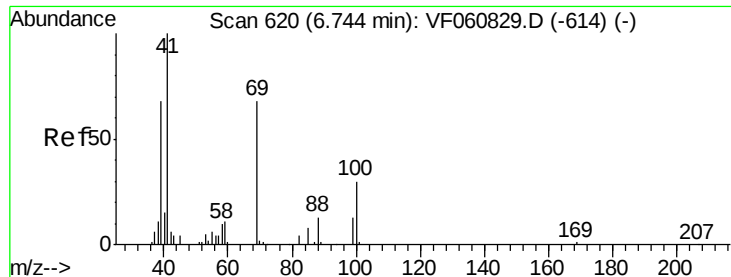
Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	41	Resp:	53745
Ion	Ratio	Lower	Upper
41	100		
69	72.3	53.9	80.9
39	66.6	49.0	73.6





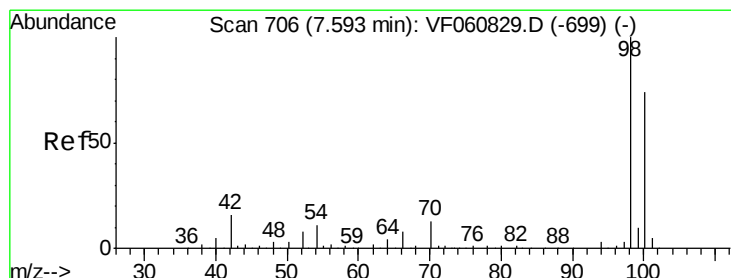
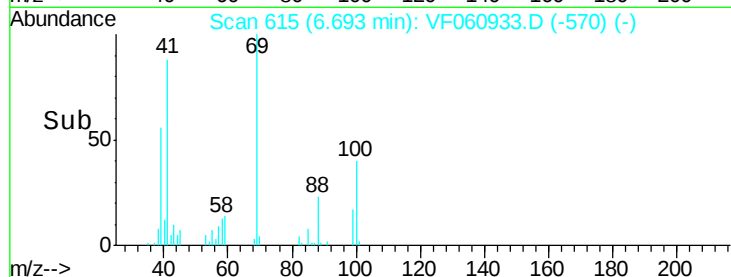
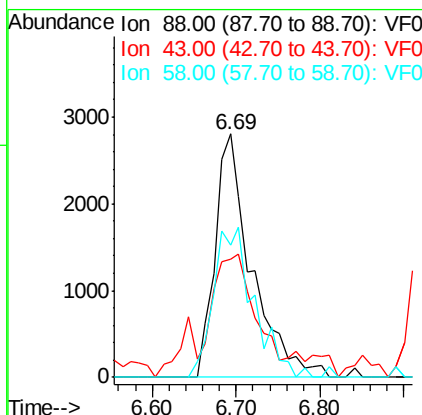
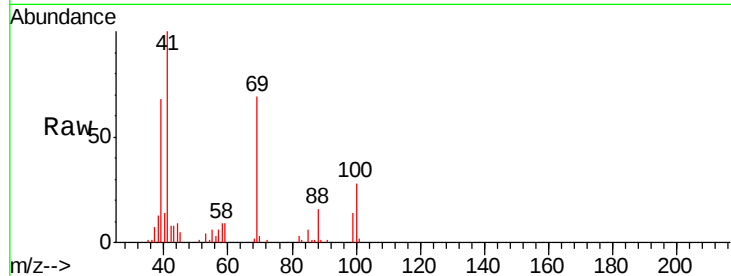
#49
1,4-Dioxane
Concen: 986.329 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 8423
Ion Ratio Lower Upper
88 100
43 48.6 42.0 63.0
58 54.3 61.8 92.8#

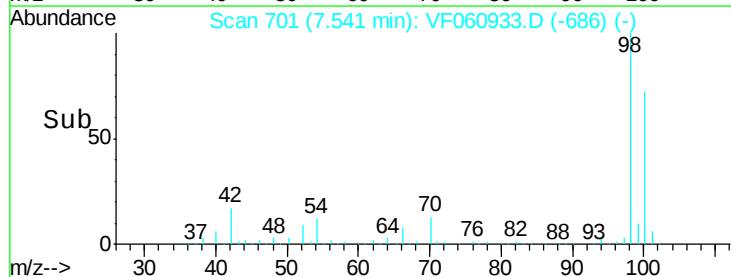
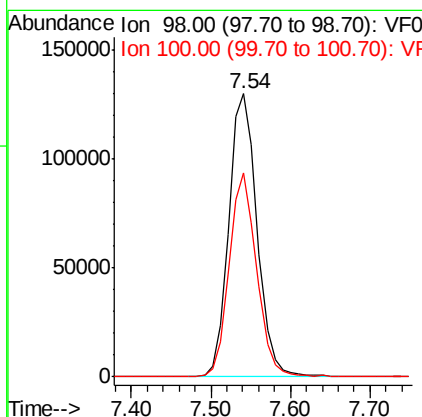
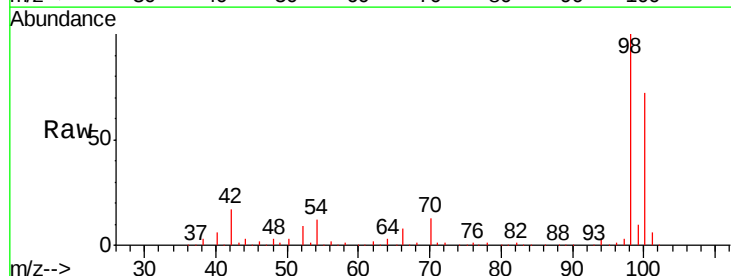
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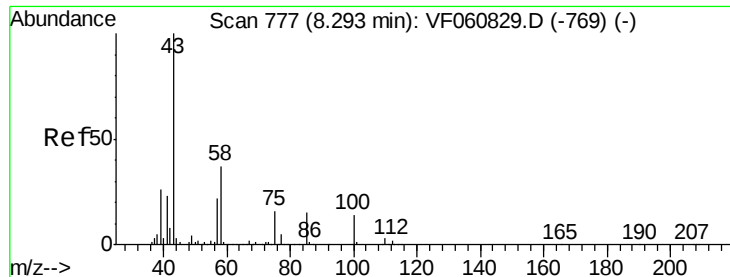
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#50
Toluene-d8
Concen: 48.264 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion: 98 Resp: 322568
Ion Ratio Lower Upper
98 100
100 72.3 59.3 88.9





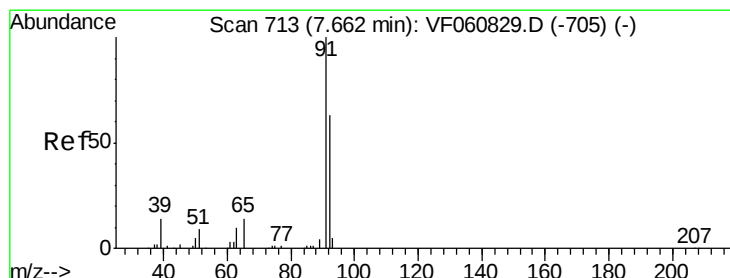
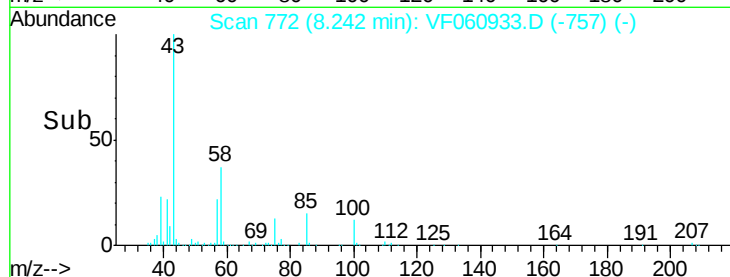
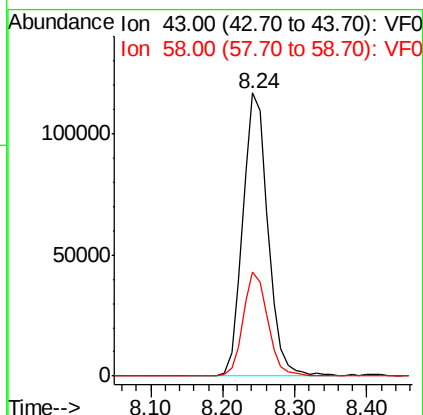
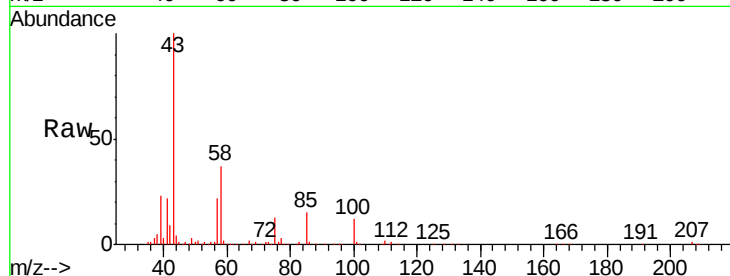
#51
 4-Methyl-2-Pentanone
 Concen: 240.486 ug/l
 RT: 8.24 min Scan# 772
 Delta R.T. -0.05 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 285874
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.7 44.5

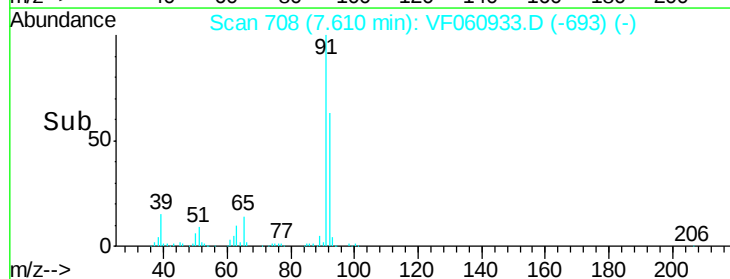
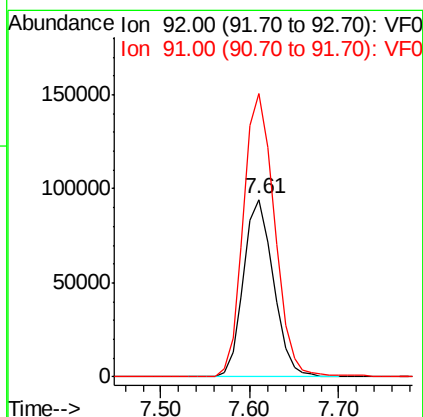
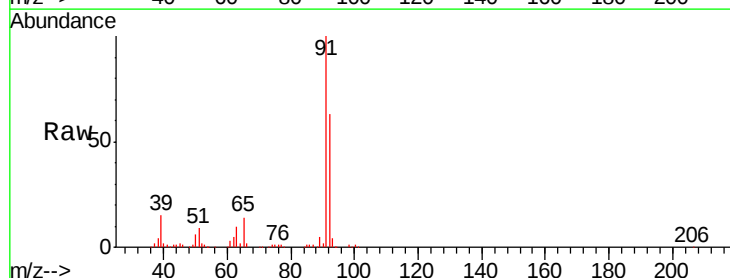
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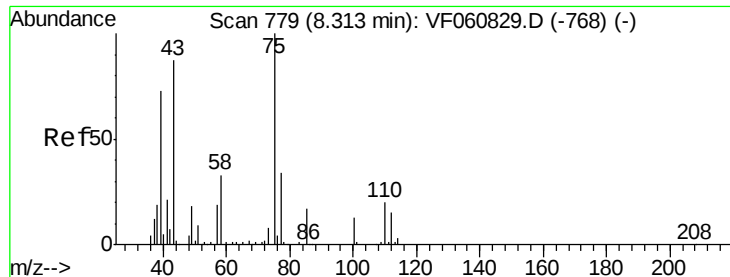
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#52
 Toluene
 Concen: 44.982 ug/l
 RT: 7.61 min Scan# 708
 Delta R.T. -0.05 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion: 92 Resp: 221422
 Ion Ratio Lower Upper
 92 100
 91 159.6 126.2 189.2





#53

t-1,3-Dichloropropene

Concen: 47.890 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 127742

Ion Ratio Lower Upper

75 100

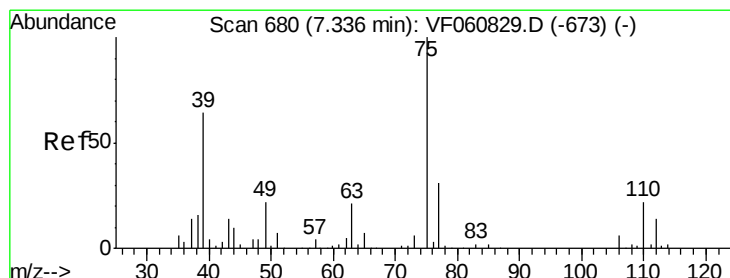
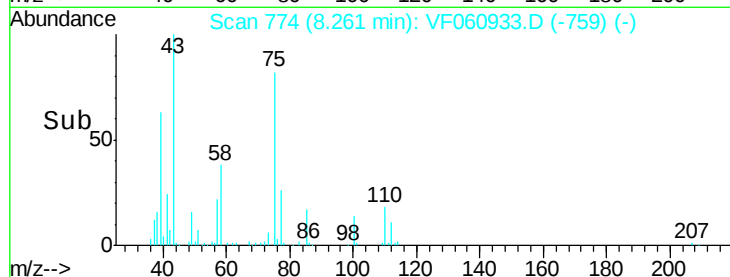
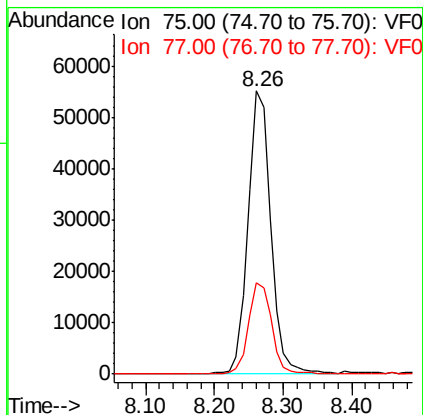
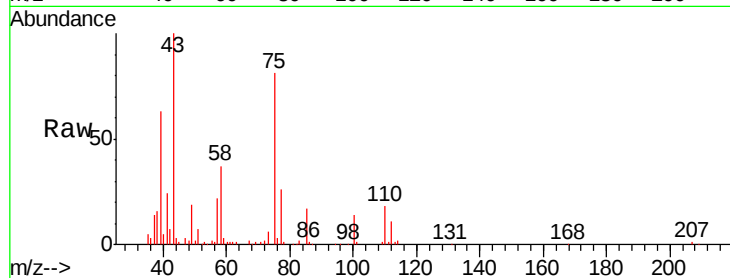
77 32.1 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 48.671 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

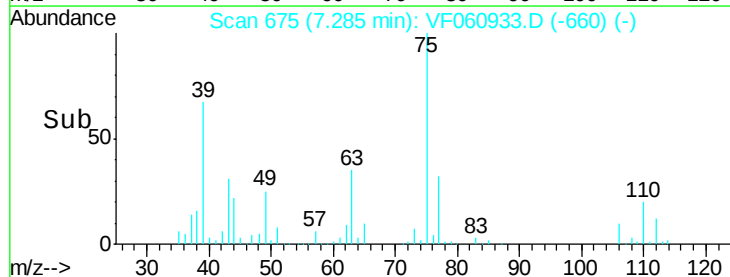
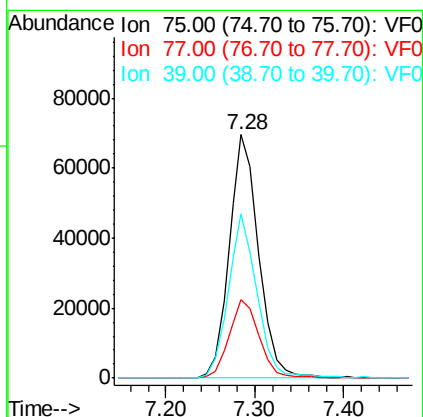
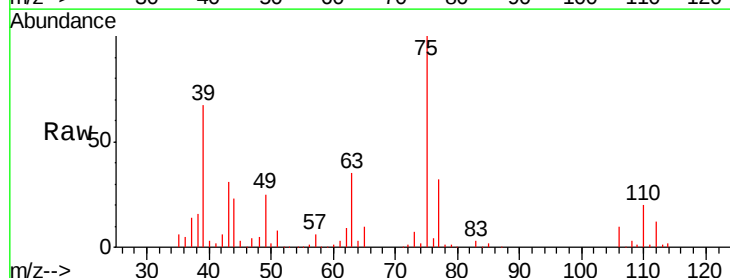
Tgt Ion: 75 Resp: 160721

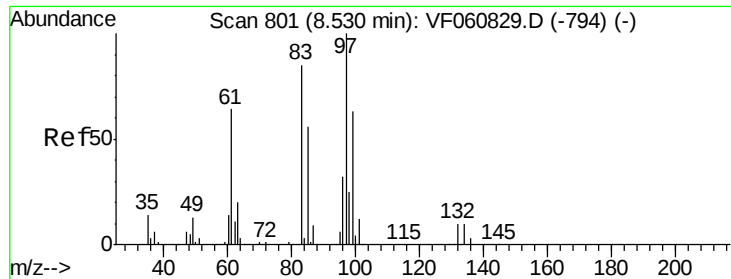
Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6

39 67.3 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 46.892 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

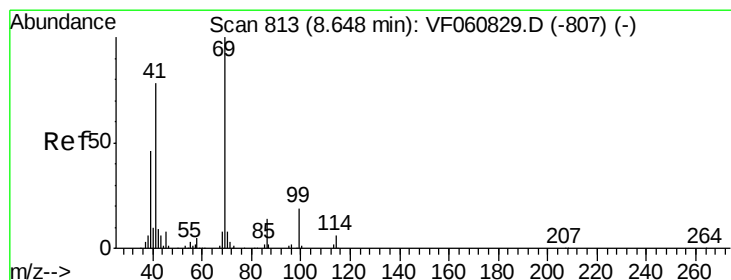
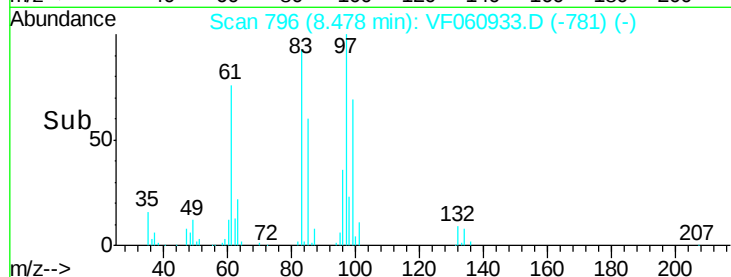
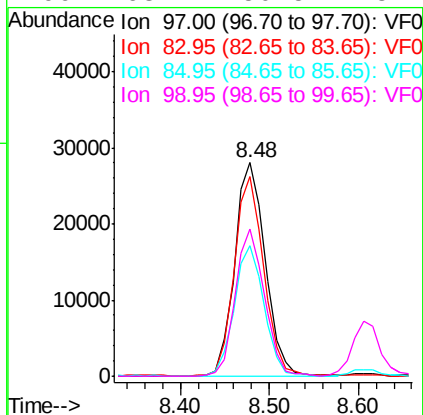
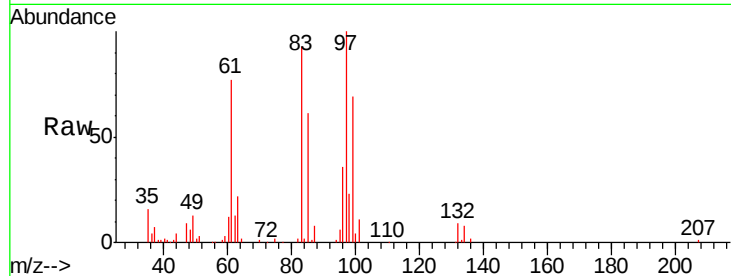
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	67260
Ion	Ratio	Lower	Upper
97	100		
83	93.4	67.8	101.6
85	61.0	45.0	67.6
99	68.7	50.5	75.7

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#56

Ethyl methacrylate

Concen: 47.488 ug/l

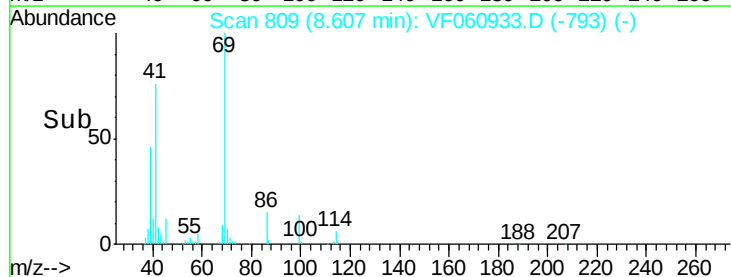
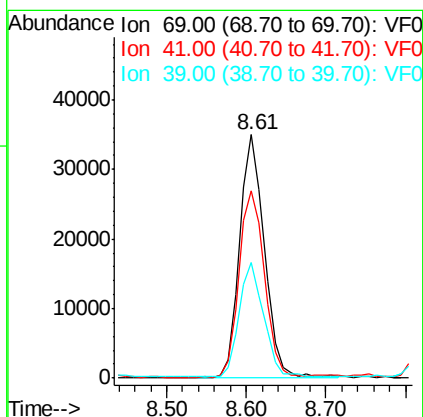
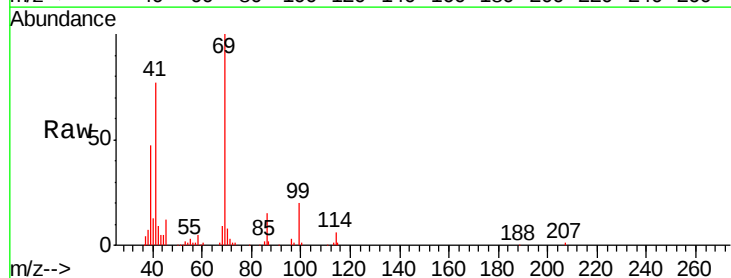
RT: 8.61 min Scan# 809

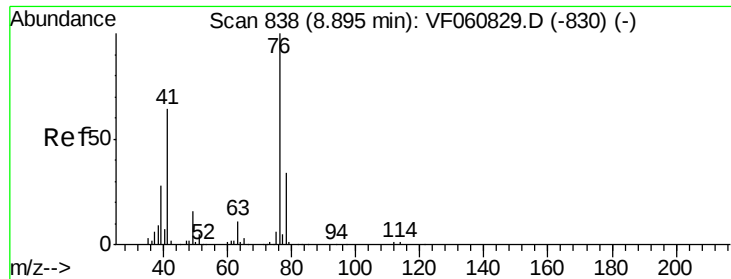
Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	69	Resp:	75666
Ion	Ratio	Lower	Upper
69	100		
41	76.9	62.6	94.0
39	47.4	37.8	56.6





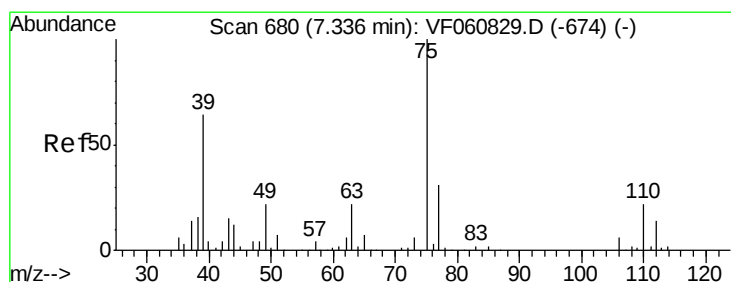
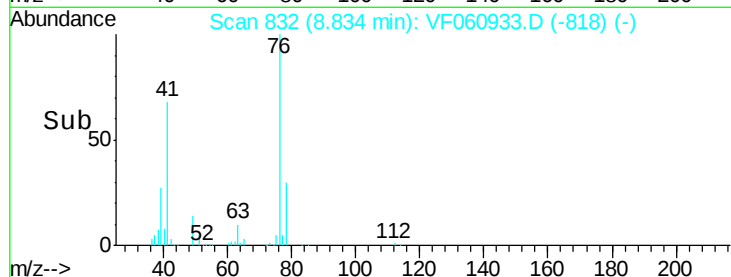
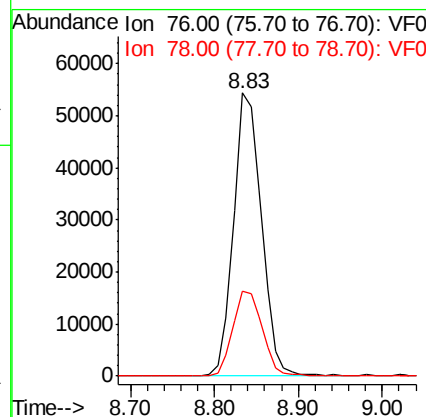
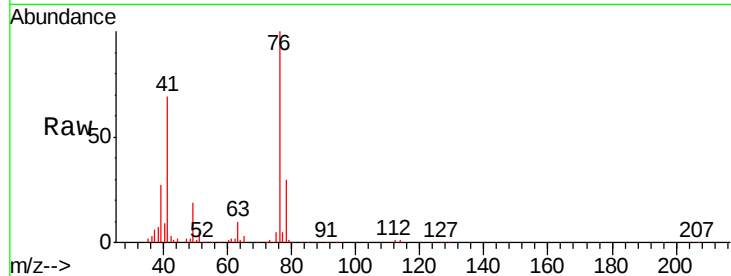
#57
 1,3-Dichloropropane
 Concen: 50.313 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.06 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 126258
 Ion Ratio Lower Upper
 76 100
 78 30.1 27.0 40.4

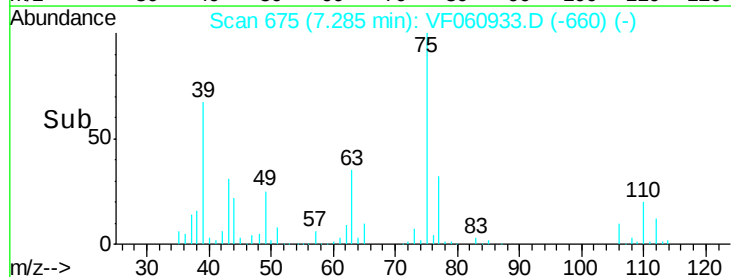
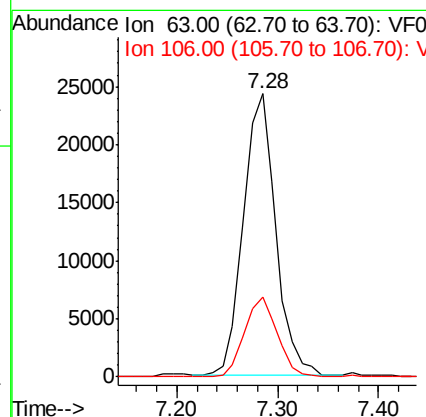
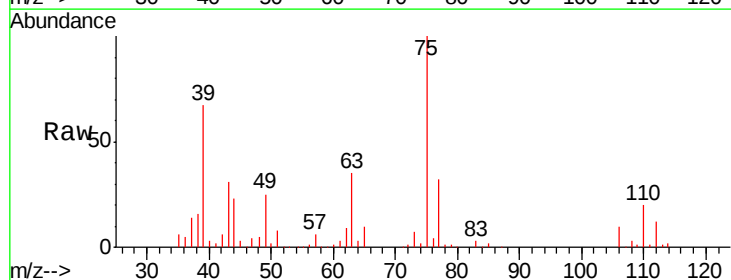
Manual Integrations
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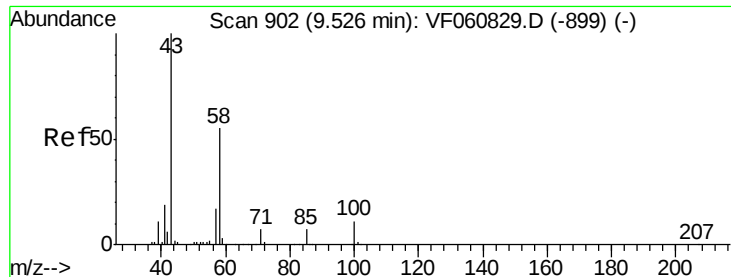
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#58
 2-Chloroethyl Vinyl ether
 Concen: 334.773 ug/l
 RT: 7.28 min Scan# 675
 Delta R.T. -0.05 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion: 63 Resp: 54561
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.0 34.6





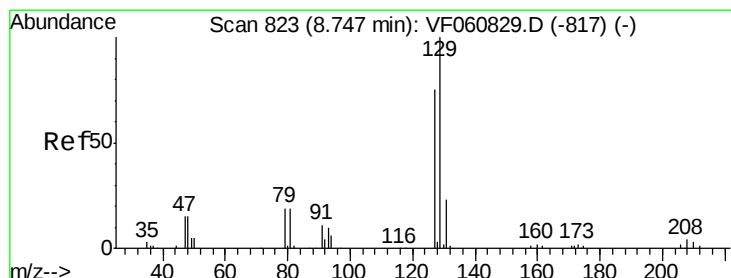
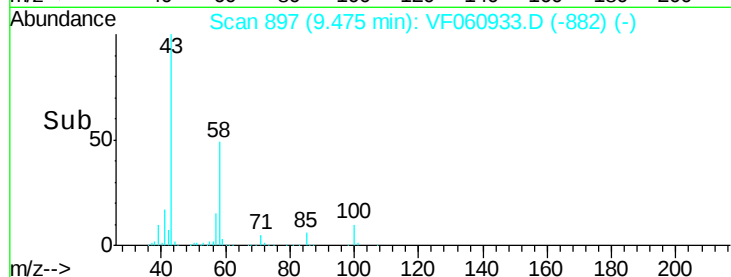
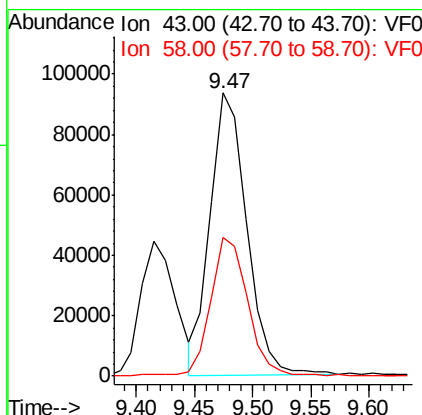
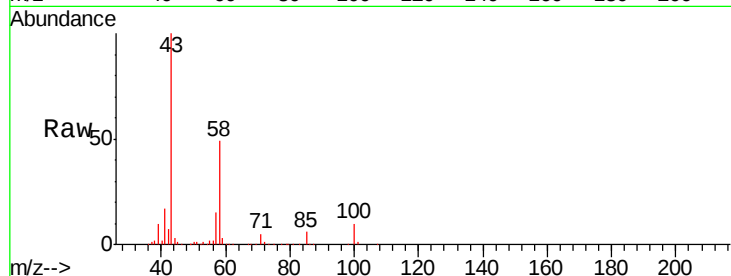
#59
2-Hexanone
Concen: 243.866 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 203377
Ion Ratio Lower Upper
43 100
58 49.0 25.6 76.6

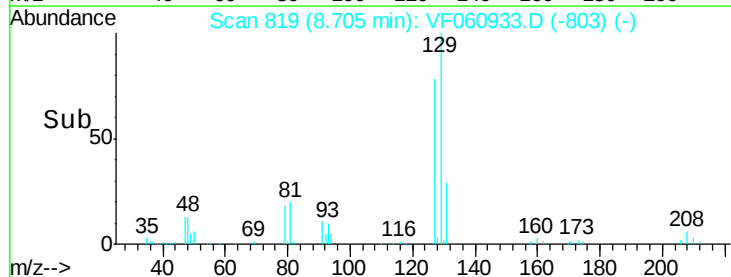
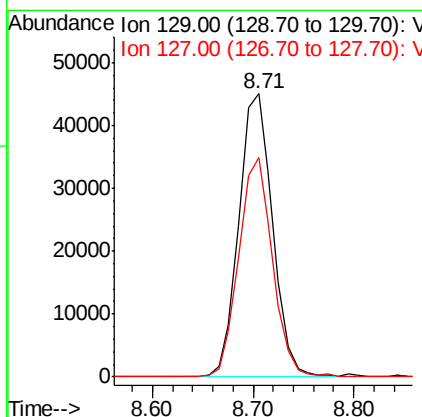
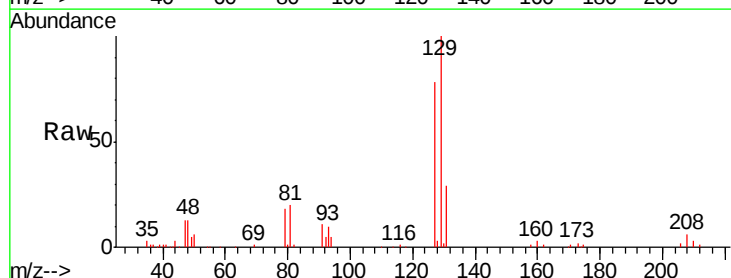
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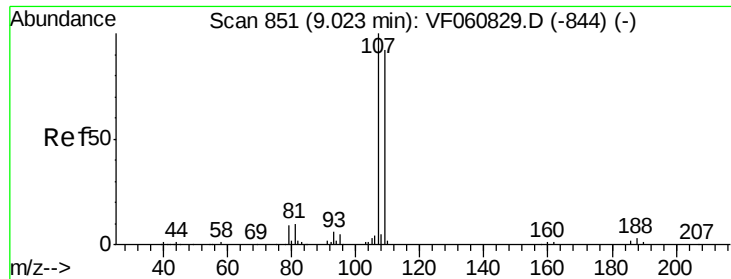
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#60
Dibromochloromethane
Concen: 49.265 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.04 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion: 129 Resp: 105287
Ion Ratio Lower Upper
129 100
127 77.5 37.3 111.9





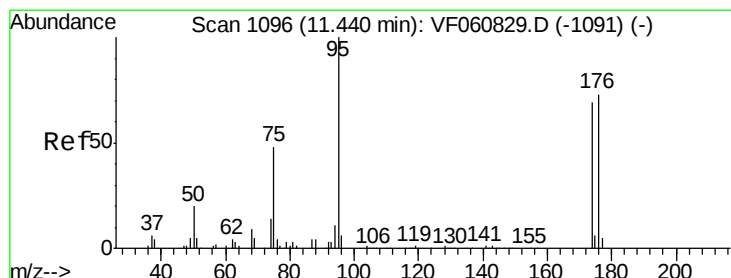
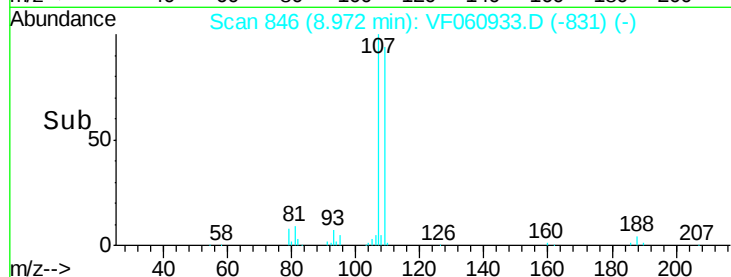
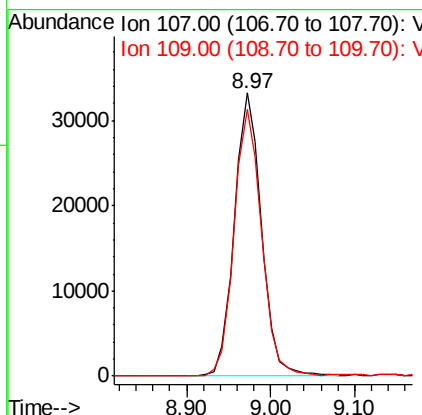
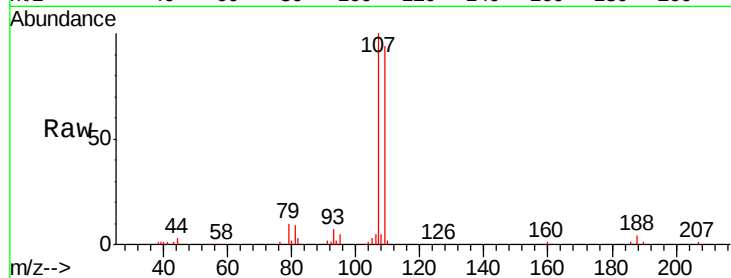
#61
1,2-Dibromoethane
Concen: 48.194 ug/l
RT: 8.97 min Scan# 846
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 74677
Ion Ratio Lower Upper
107 100
109 94.1 73.6 110.4

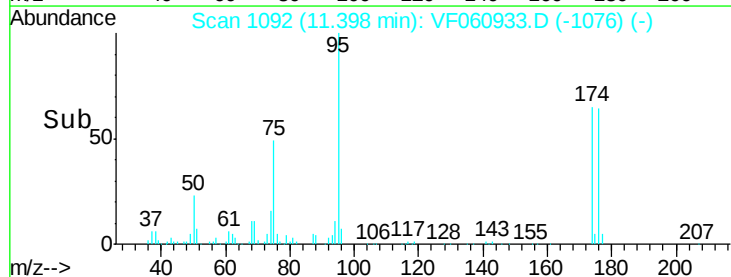
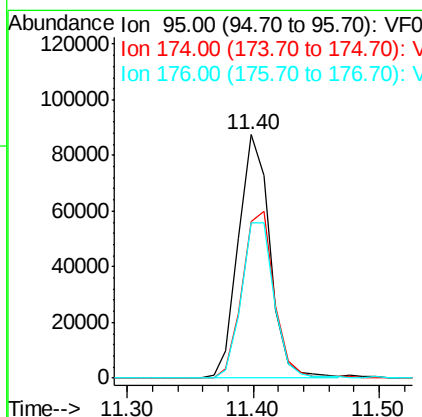
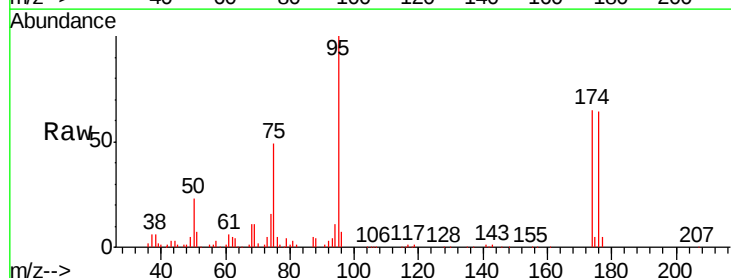
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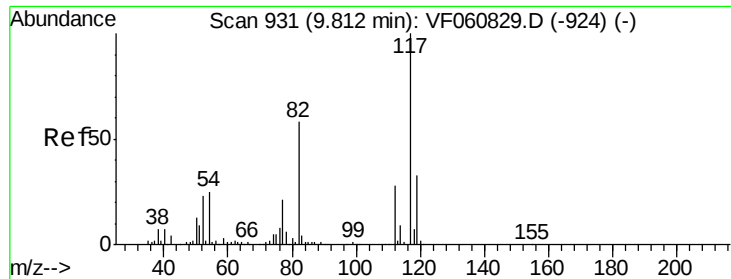
apatel
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#62
4-Bromofluorobenzene
Concen: 49.872 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.04 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion: 95 Resp: 151488
Ion Ratio Lower Upper
95 100
174 64.5 0.0 138.2
176 64.0 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

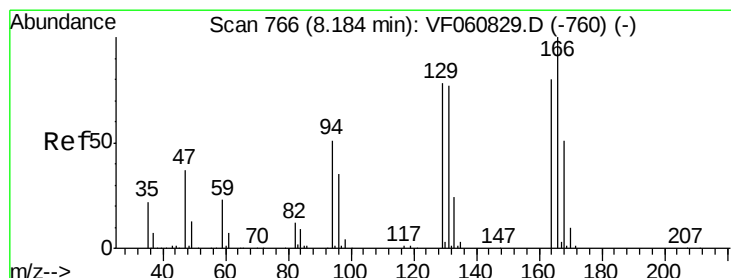
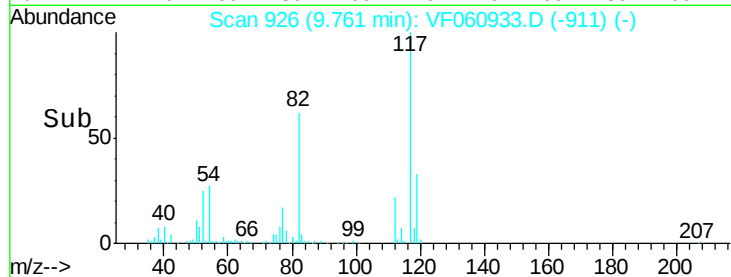
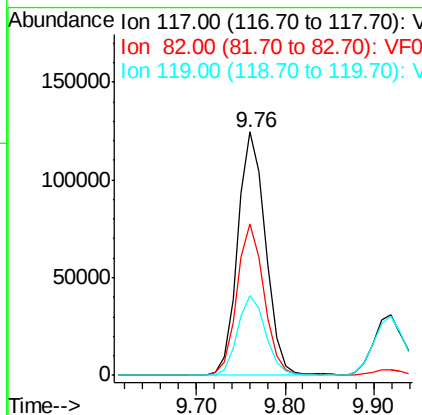
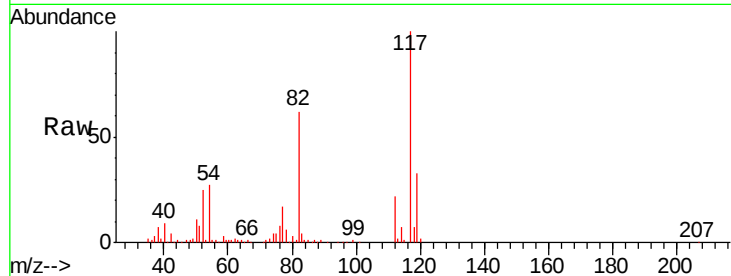
ClientSampleId :

VSTDCCC050

Tgt Ion:	117	Resp:	271078
Ion Ratio	Lower	Upper	
117	100		
82	62.0	46.6	69.8
119	33.0	26.4	39.6

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#64

Tetrachloroethene

Concen: 47.026 ug/l

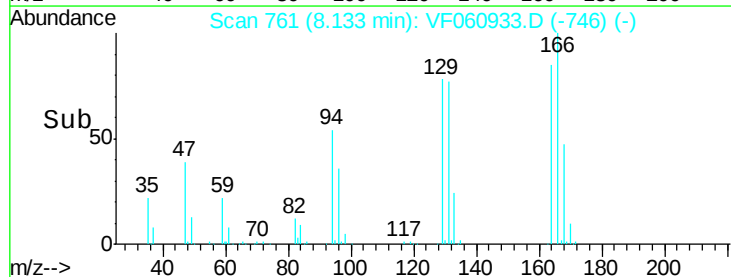
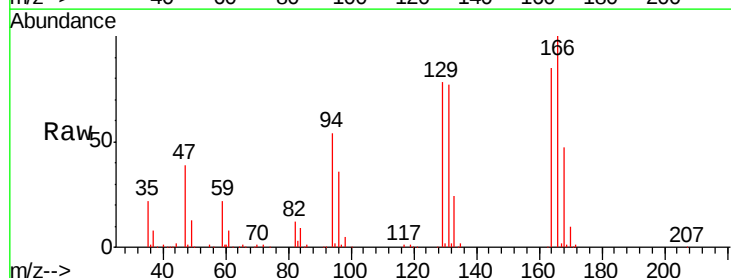
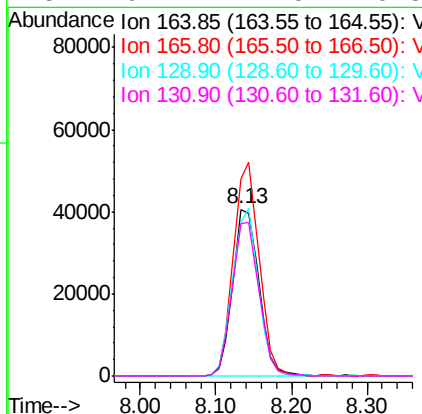
RT: 8.13 min Scan# 761

Delta R.T. -0.05 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	164	Resp:	97368
Ion Ratio	Lower	Upper	
164	100		
166	118.2	100.3	150.5
129	91.8	77.9	116.9
131	91.4	77.5	116.3





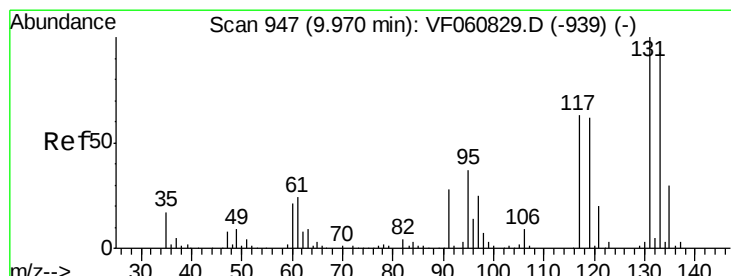
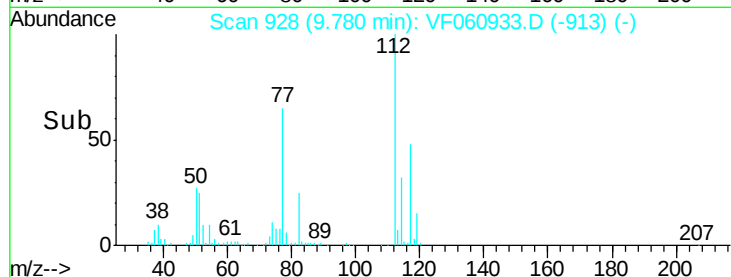
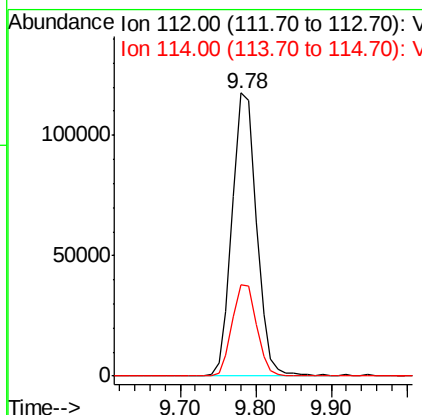
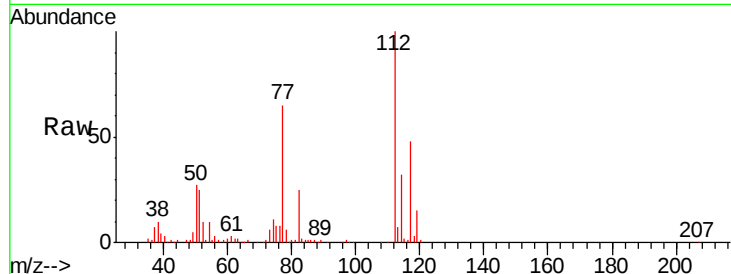
#65
Chlorobenzene
Concen: 49.970 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 263517
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0

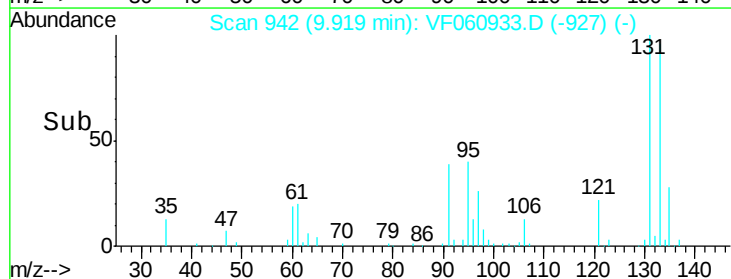
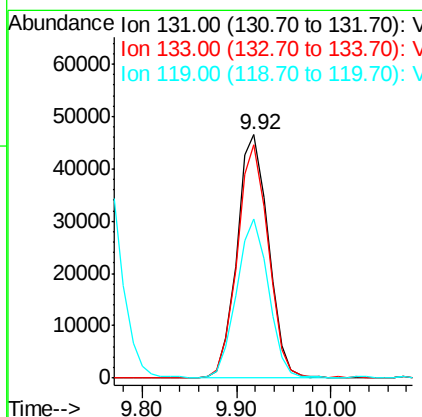
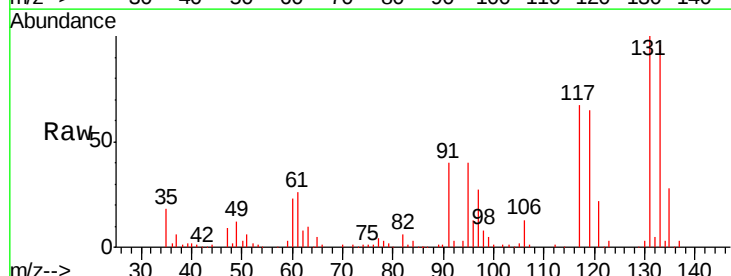
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.564 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion:131 Resp: 107831
Ion Ratio Lower Upper
131 100
133 95.9 46.5 139.3
119 65.4 31.1 93.3





#67

Ethyl Benzene

Concen: 47.559 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 466923

Ion Ratio Lower Upper

91 100

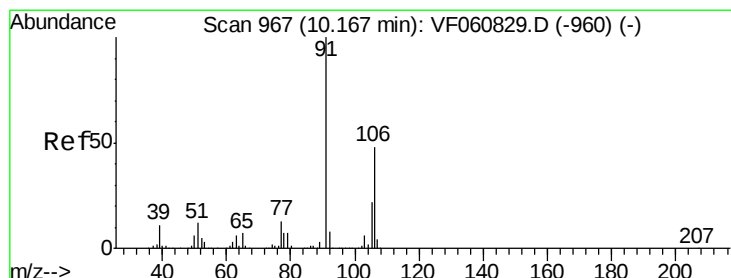
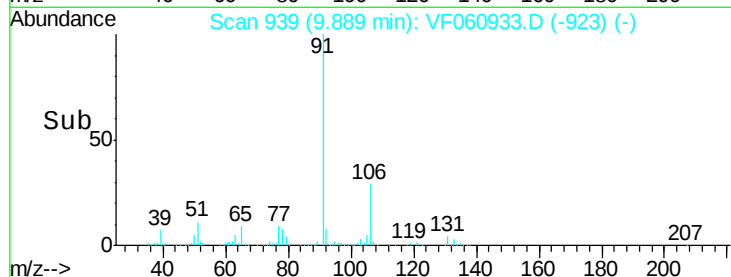
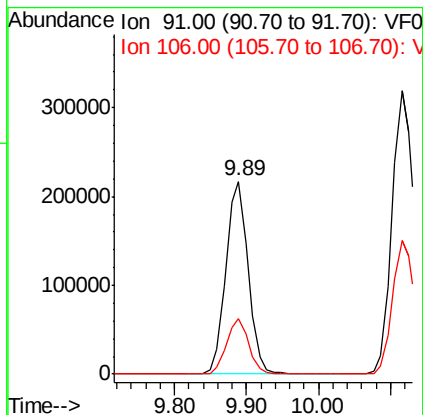
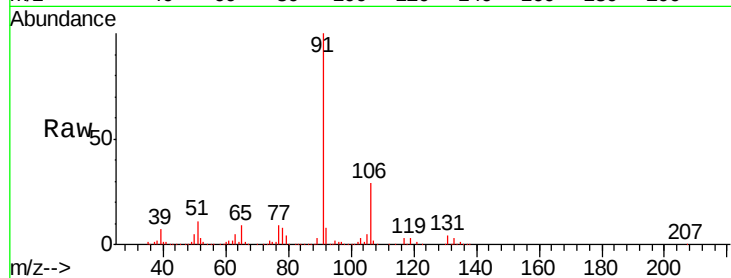
106 28.5 22.2 33.2

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#68

m/p-Xylenes

Concen: 92.991 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.05 min

Lab File: VF060933.D

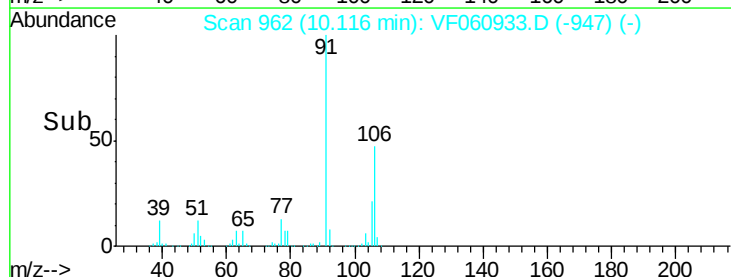
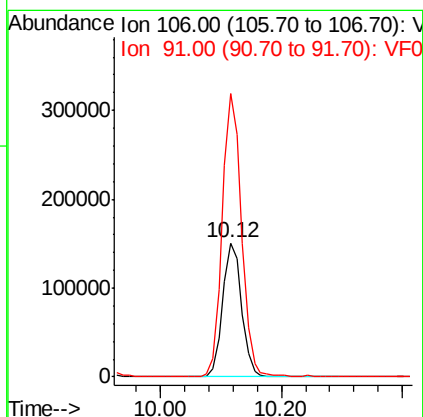
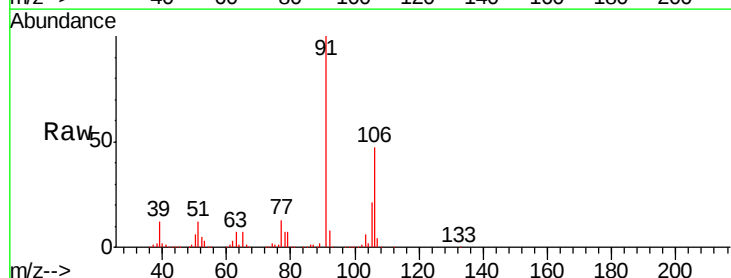
Acq: 7 Dec 2018 16:21

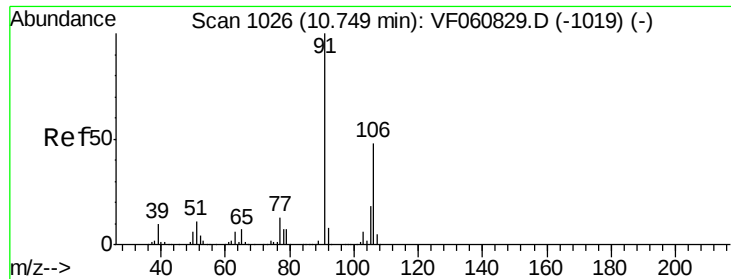
Tgt Ion: 106 Resp: 328353

Ion Ratio Lower Upper

106 100

91 211.2 166.7 250.1





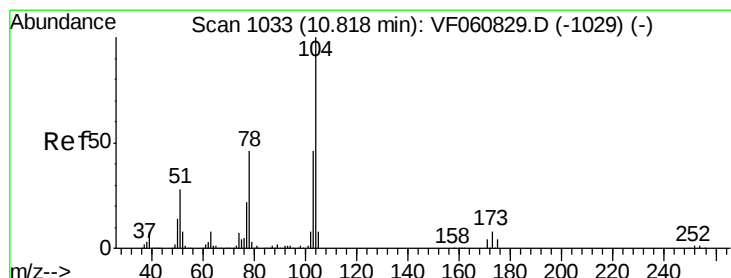
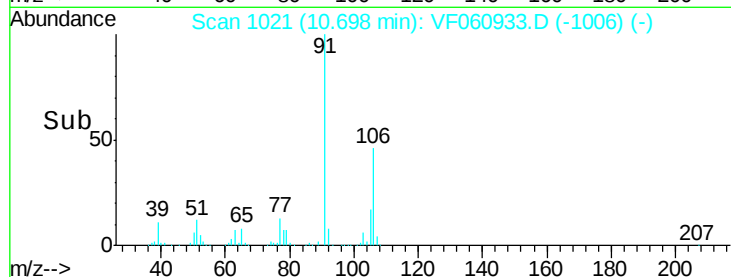
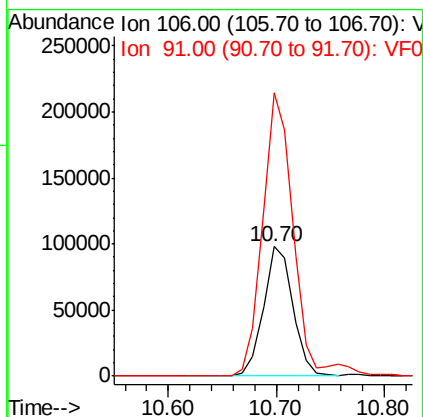
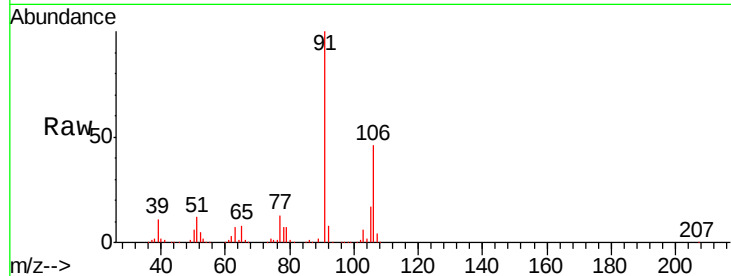
#69
o-Xylene
Concen: 47.682 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.05 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 185660
Ion Ratio Lower Upper
106 100
91 218.6 104.8 314.6

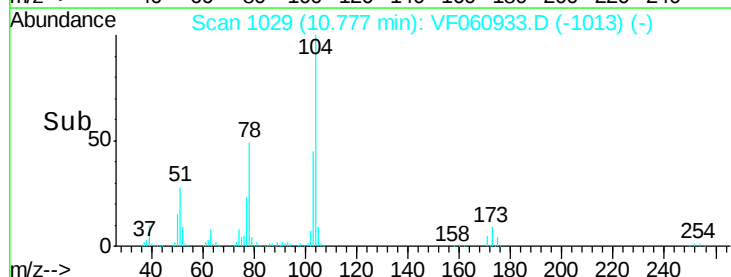
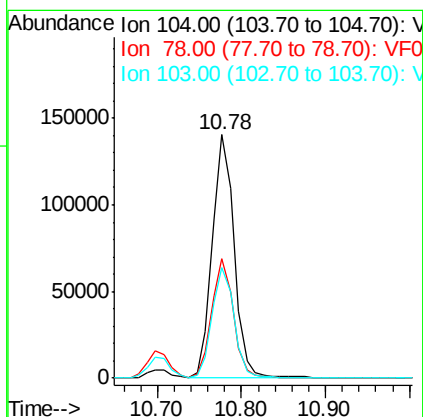
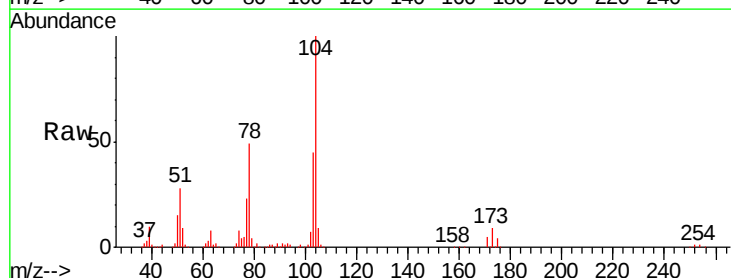
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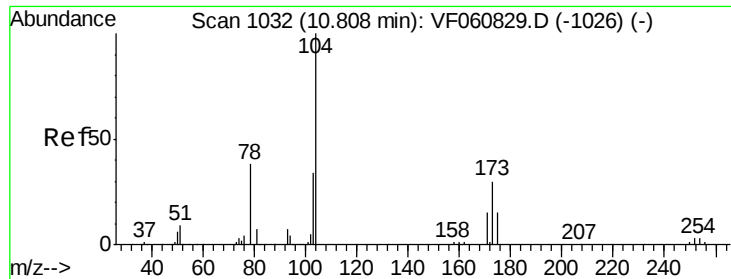
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#70
Styrene
Concen: 46.824 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion:104 Resp: 252731
Ion Ratio Lower Upper
104 100
78 49.0 37.3 55.9
103 45.4 36.8 55.2





#71

Bromoform

Concen: 47.236 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

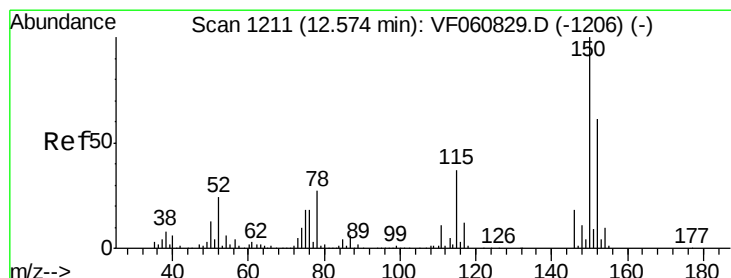
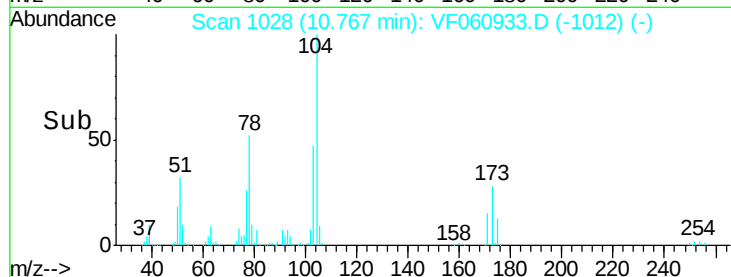
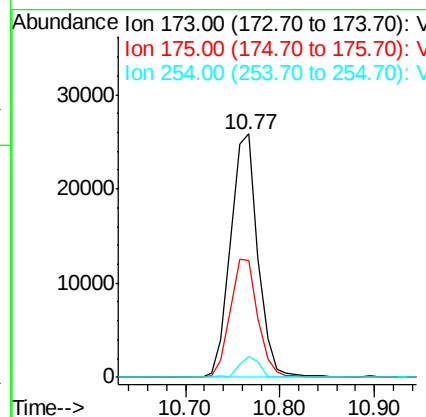
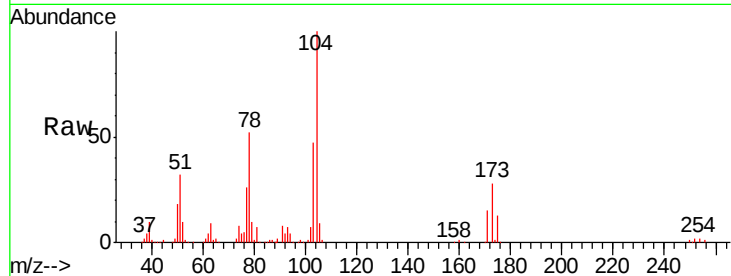
ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 51726
 Ion Ratio Lower Upper
 173 100
 175 47.9 25.5 76.5
 254 8.6 7.5 11.3

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

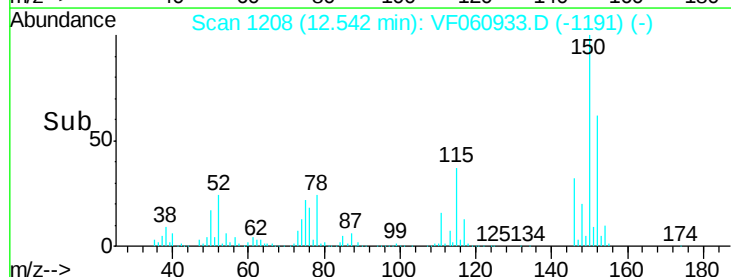
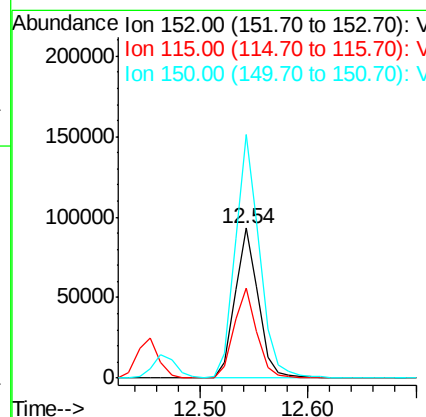
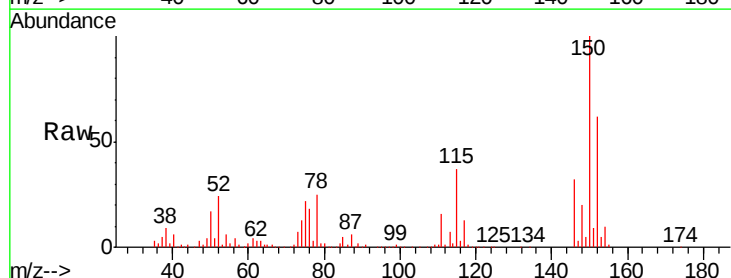
RT: 12.54 min Scan# 1208

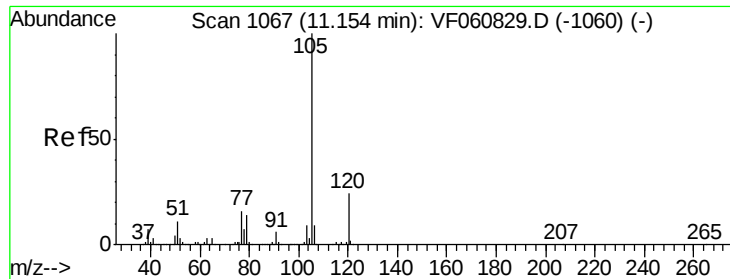
Delta R.T. -0.03 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:152 Resp: 139808
 Ion Ratio Lower Upper
 152 100
 115 59.9 30.1 90.5
 150 162.5 0.0 327.6





#73

Isopropylbenzene

Concen: 50.147 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 554042

Ion Ratio Lower Upper

105 100

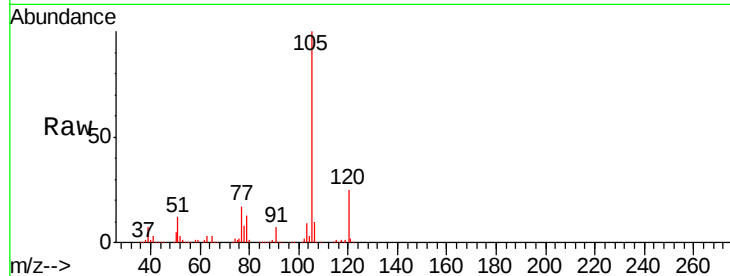
120 24.8 12.2 36.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

300000

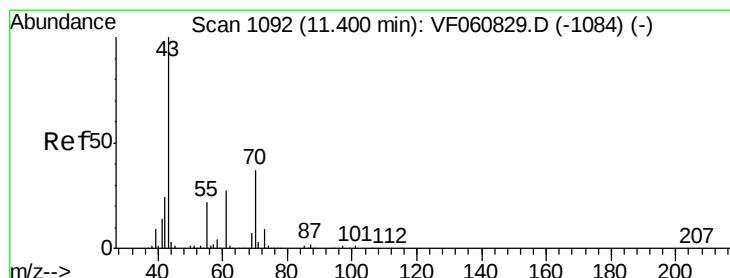
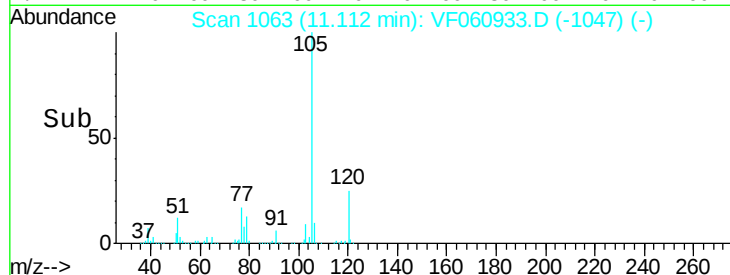
200000

100000

0

Time-->

11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 47.272 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion: 43 Resp: 120602

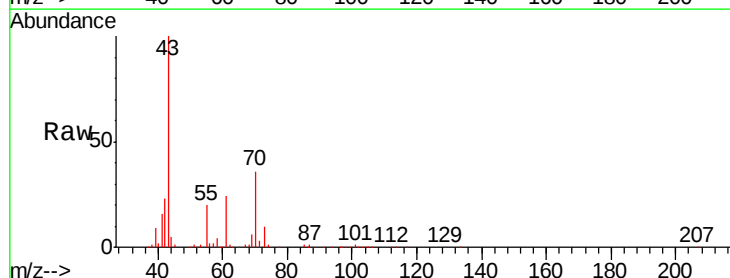
Ion Ratio Lower Upper

43 100

70 35.6 29.6 44.4

55 20.0 17.2 25.8

61 24.3 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

11.36

100000

80000

60000

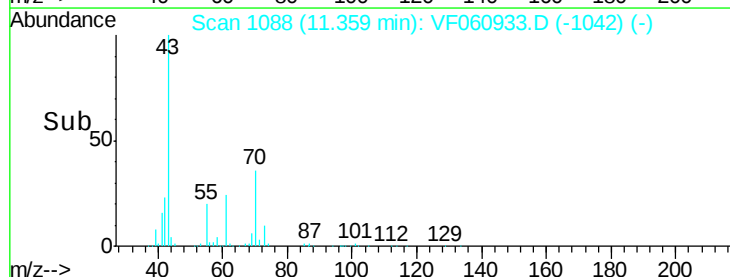
40000

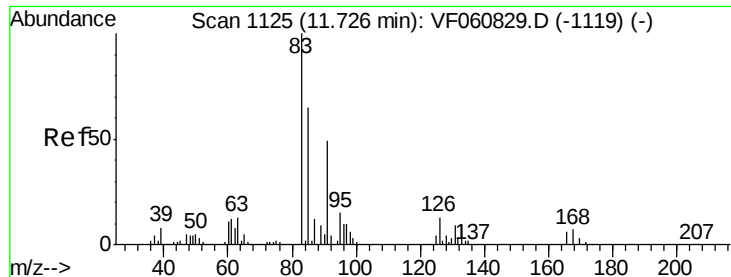
20000

0

Time-->

11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 50.595 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

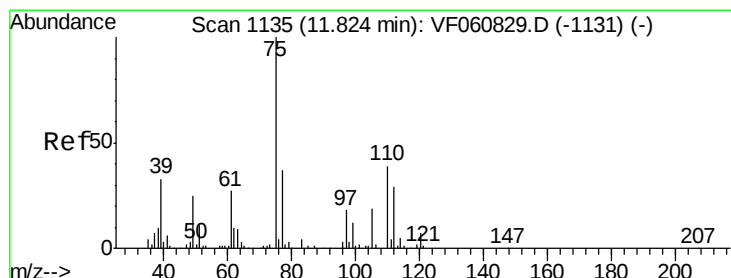
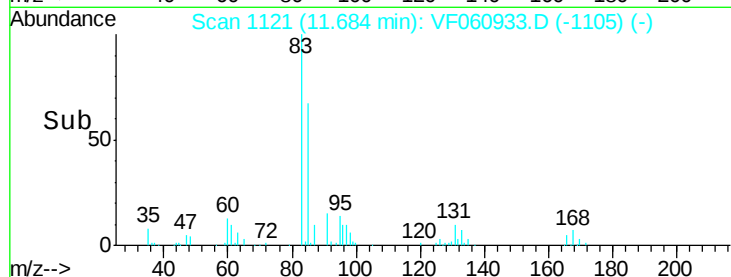
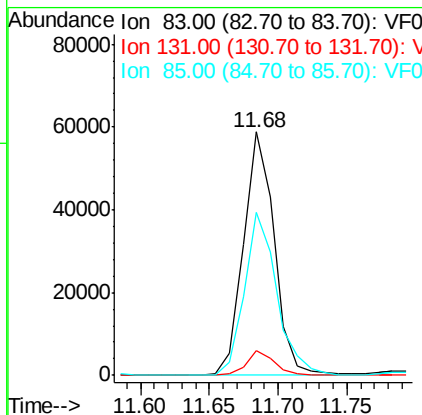
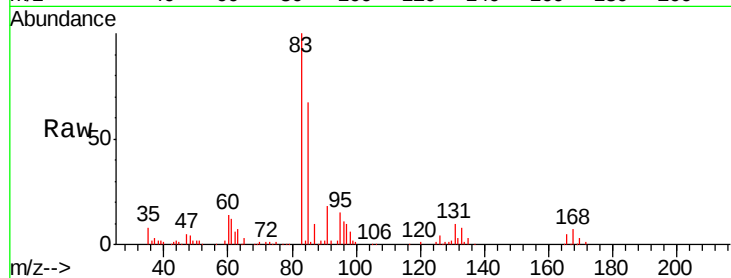
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	91998
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.7	14.1
85	66.9	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 52.230 ug/l m

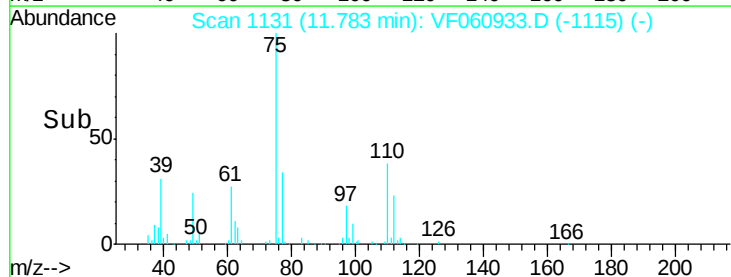
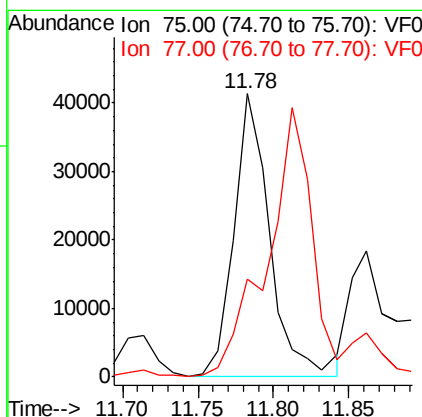
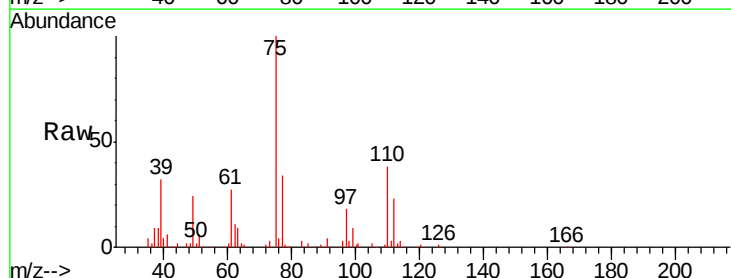
RT: 11.78 min Scan# 1131

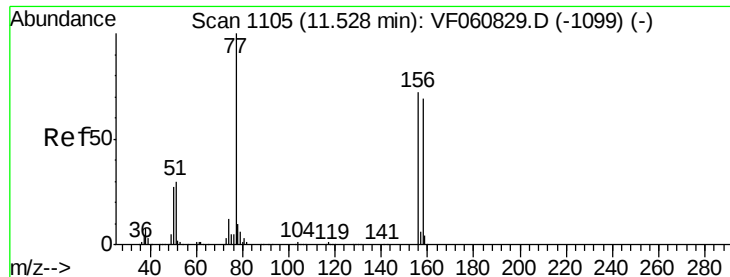
Delta R.T. -0.04 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	75	Resp:	69031
Ion Ratio	Lower	Upper	
75	100		
77	34.5	18.4	55.4





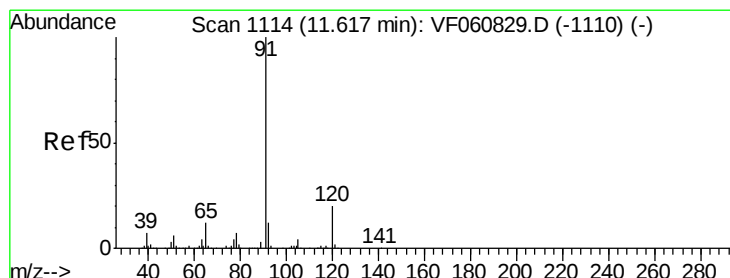
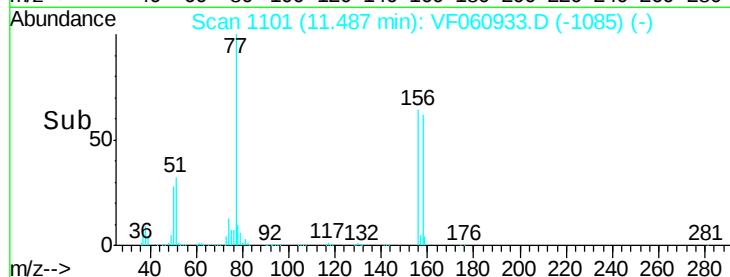
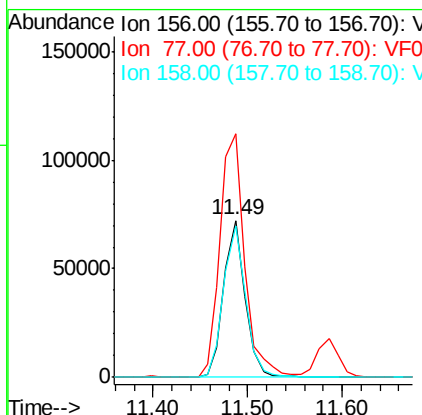
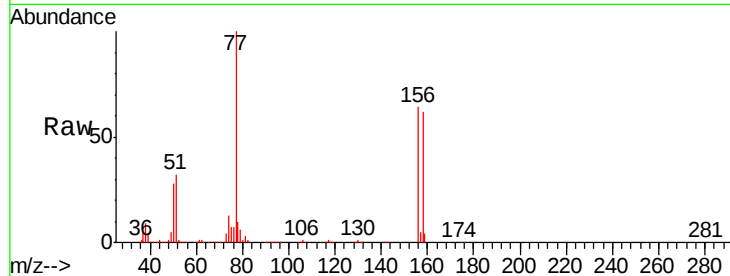
#77
Bromobenzene
Concen: 47.362 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.04 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	155.4	69.7	209.0
158	96.3	47.8	143.4

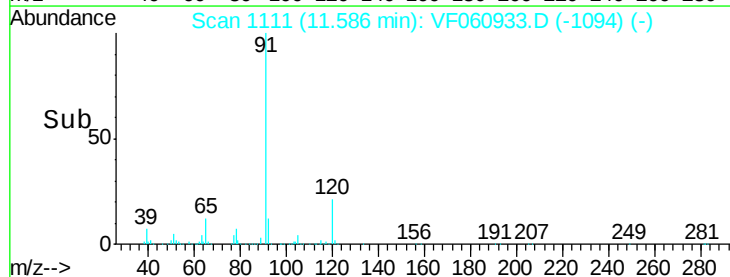
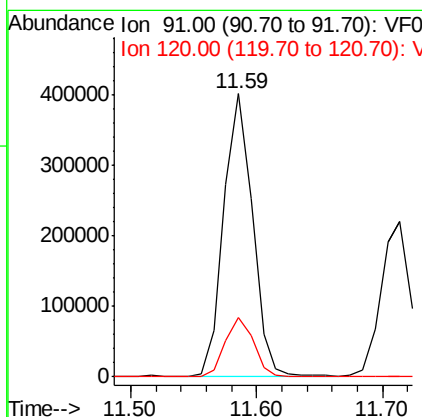
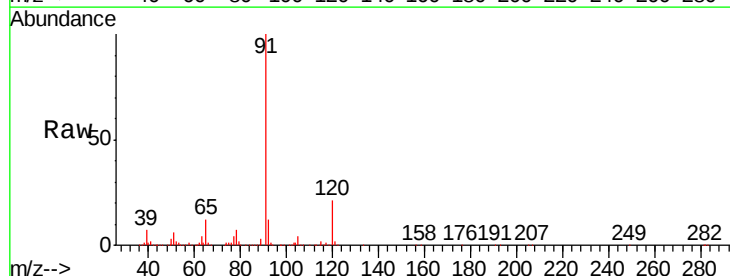
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#78
n-propylbenzene
Concen: 49.517 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.03 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.3	30.8





#79

2-Chlorotoluene

Concen: 48.190 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 357513

Ion Ratio Lower Upper

91 100

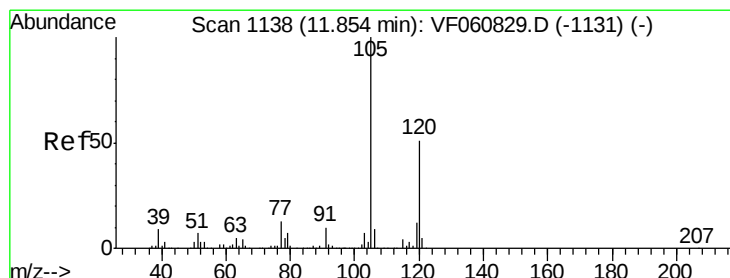
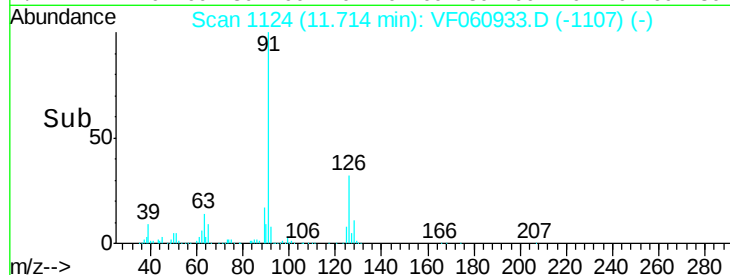
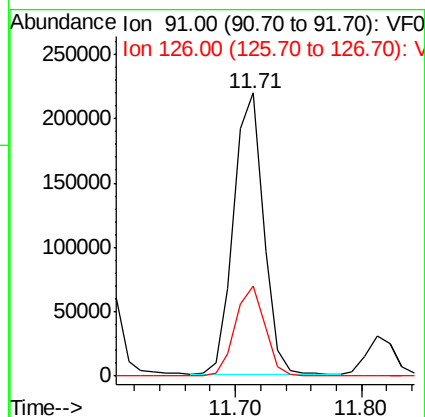
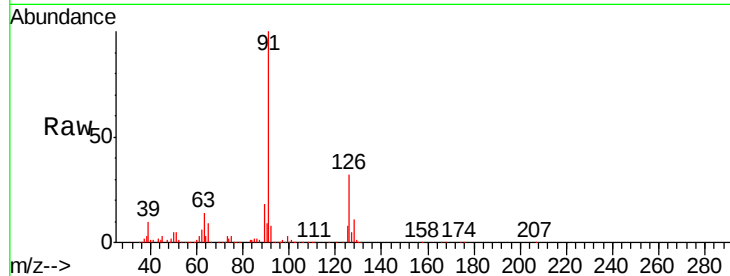
126 31.7 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 48.020 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF060933.D

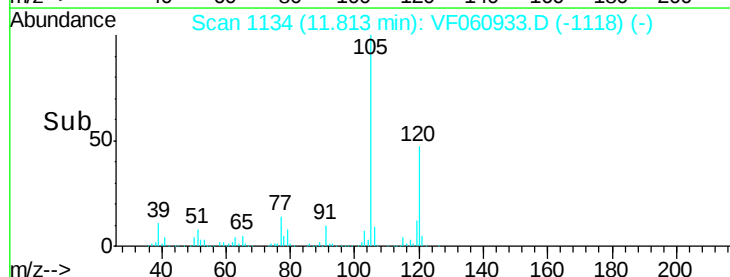
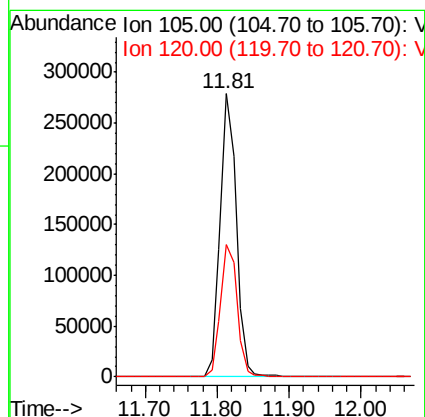
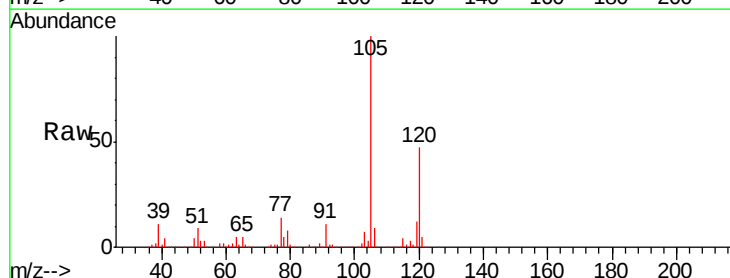
Acq: 7 Dec 2018 16:21

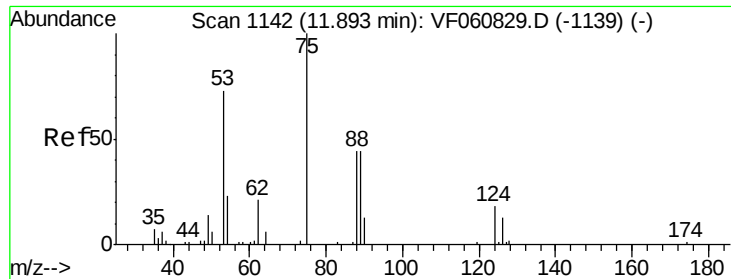
Tgt Ion: 105 Resp: 430706

Ion Ratio Lower Upper

105 100

120 47.0 25.8 77.3





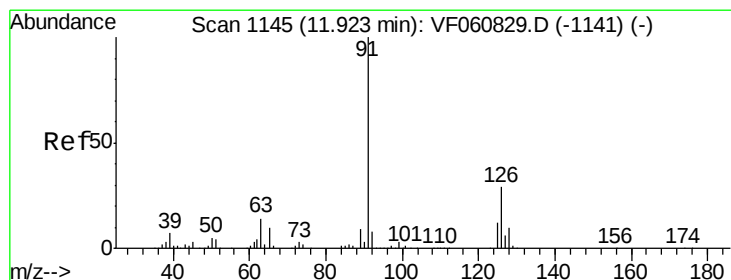
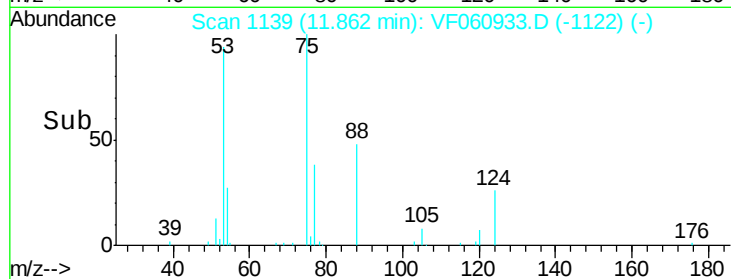
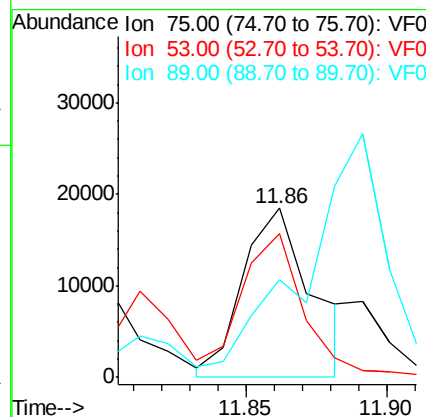
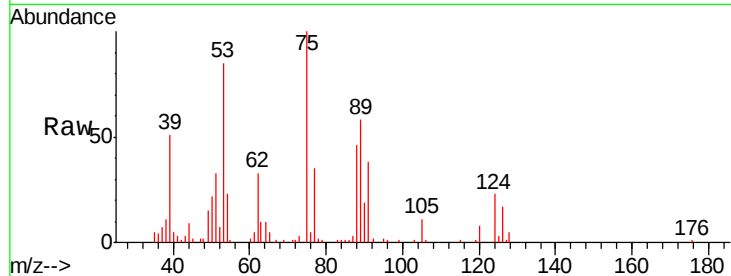
#81
trans-1,4-Dichloro-2-butene
Concen: 48.767 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.03 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	84.9	65.9	98.9
89	57.7	38.8	58.2

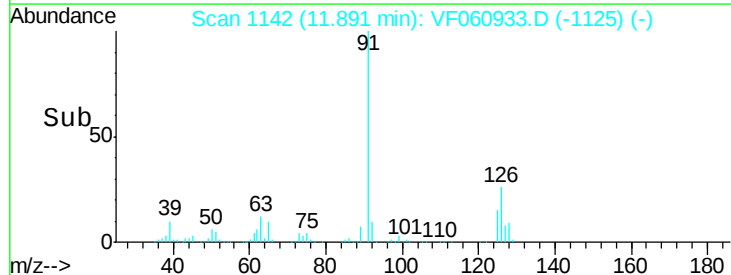
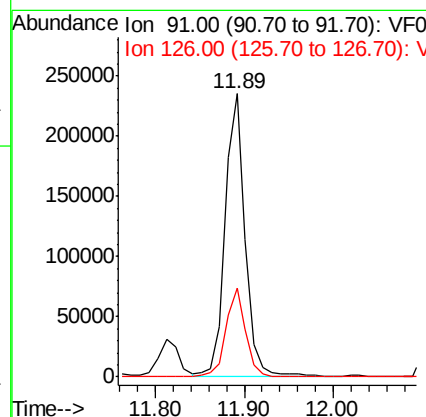
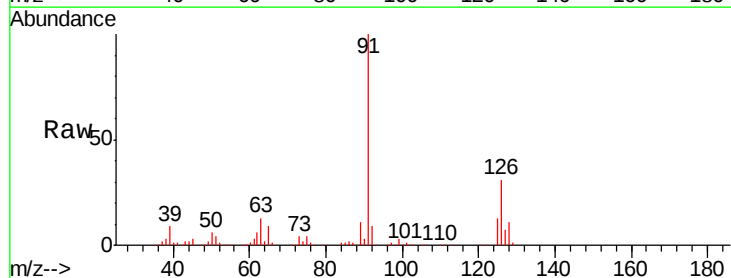
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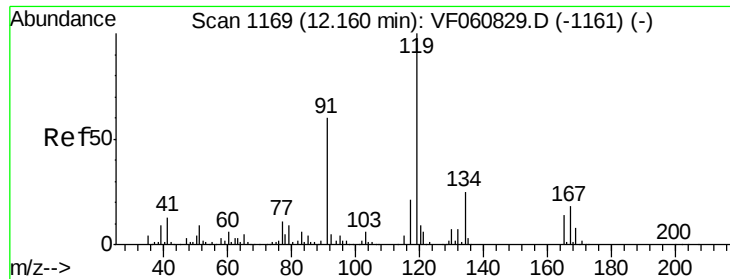
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#82
4-Chlorotoluene
Concen: 47.139 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	14.8	44.4





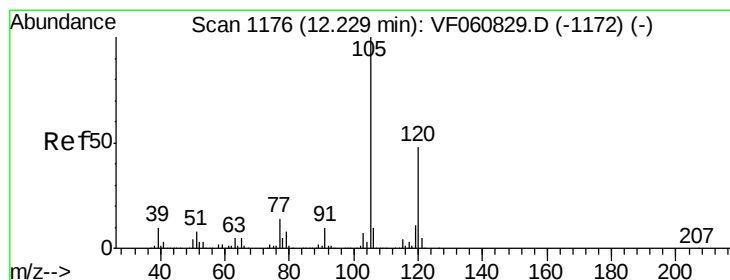
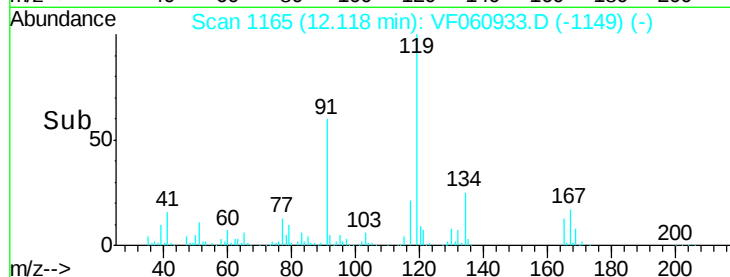
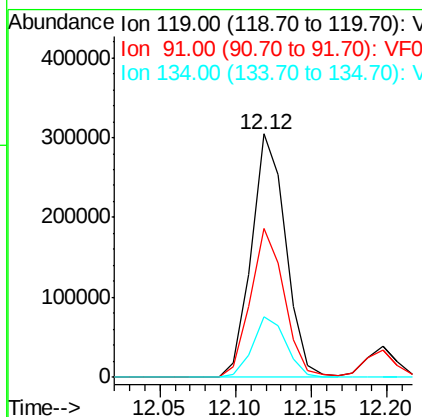
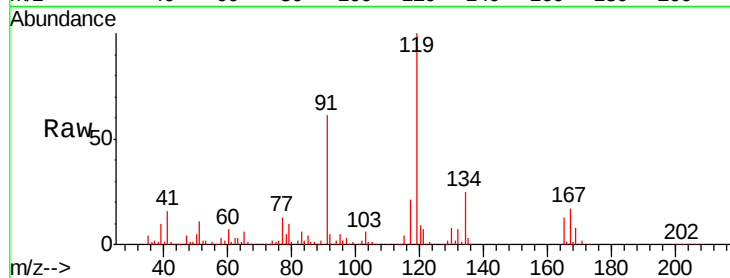
#83
 tert-Butylbenzene
 Concen: 52.897 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	483289		
91	61.1	30.1	90.3	
134	24.8	12.6	37.8	

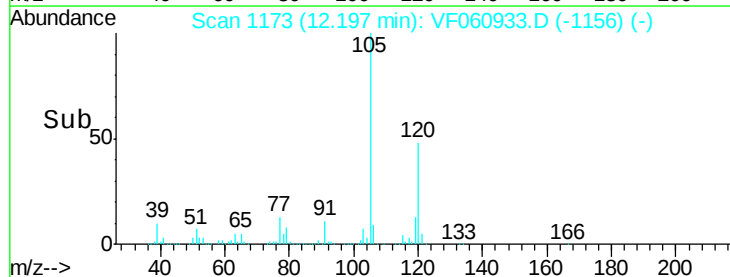
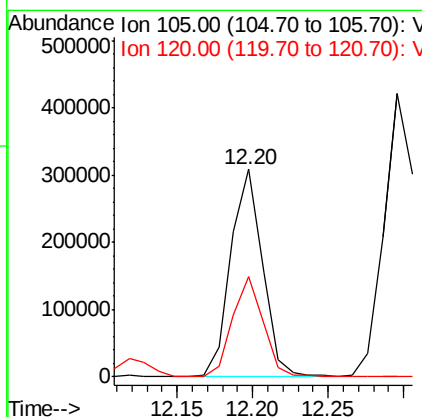
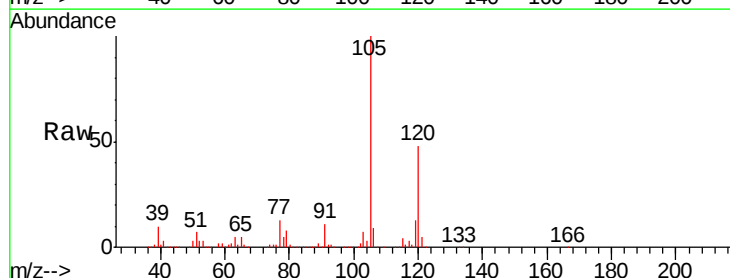
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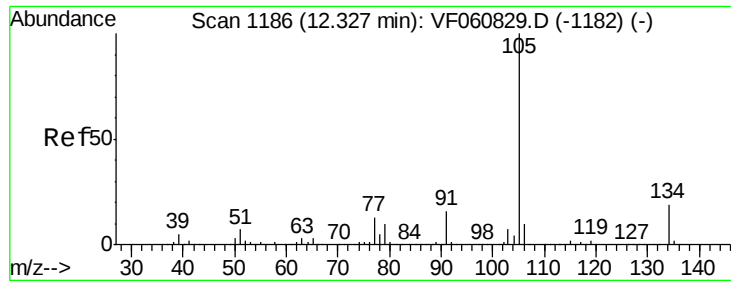
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.402 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	451175		
120	48.1	23.8	71.5	





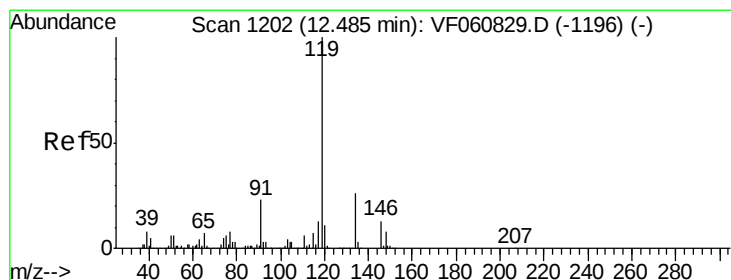
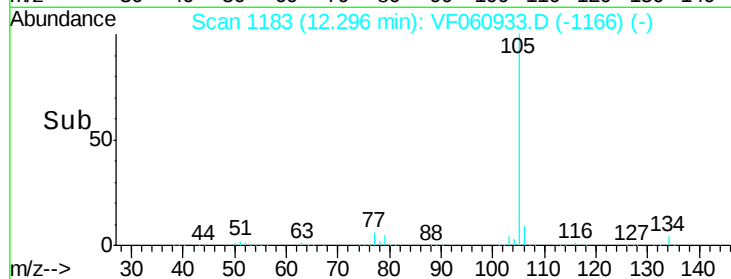
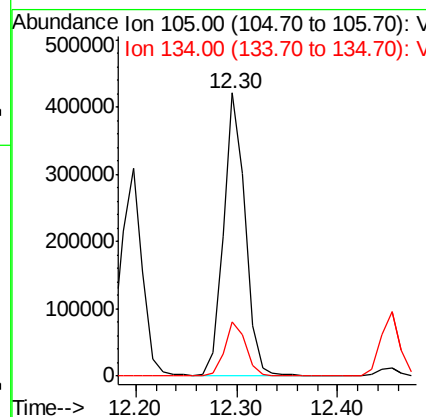
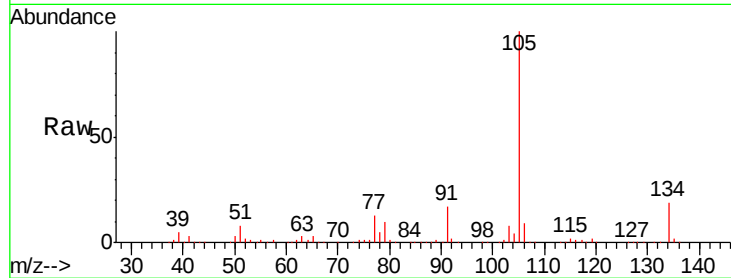
#85
 sec-Butylbenzene
 Concen: 50.267 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 628697
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.5 28.5

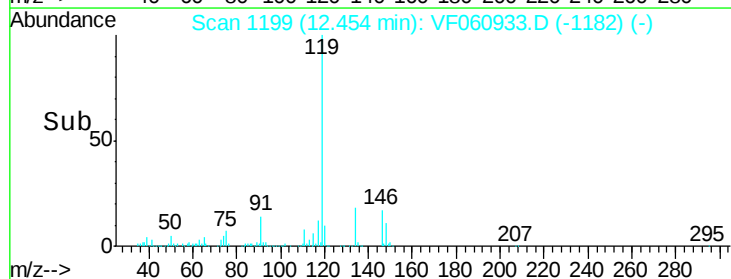
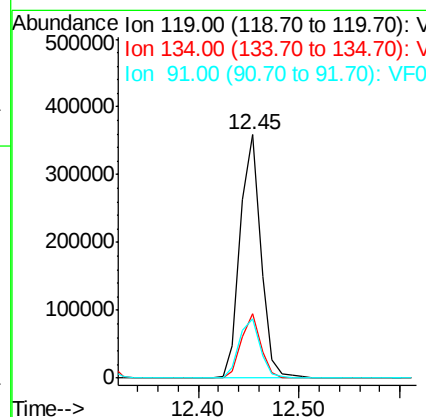
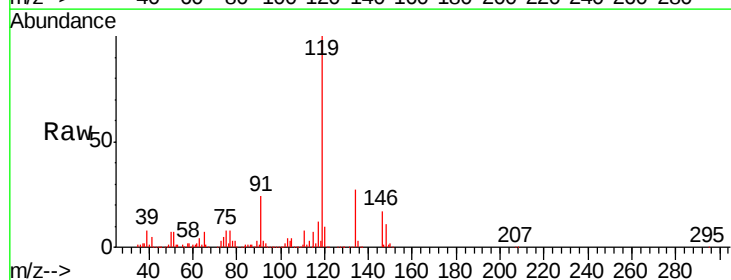
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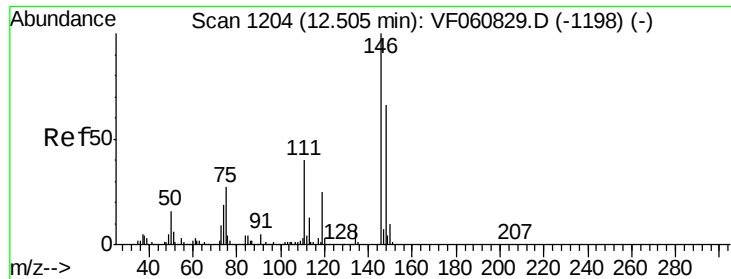
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#86
 p-Isopropyltoluene
 Concen: 49.012 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion:119 Resp: 513931
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.6
 91 24.1 11.8 35.3





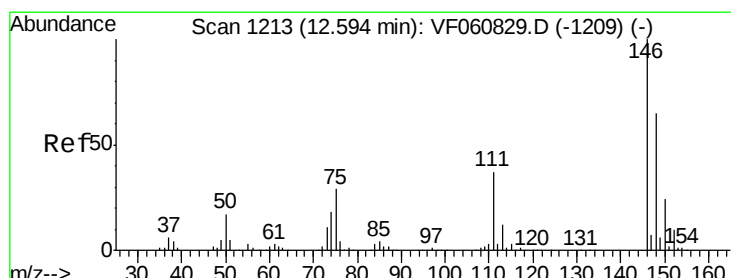
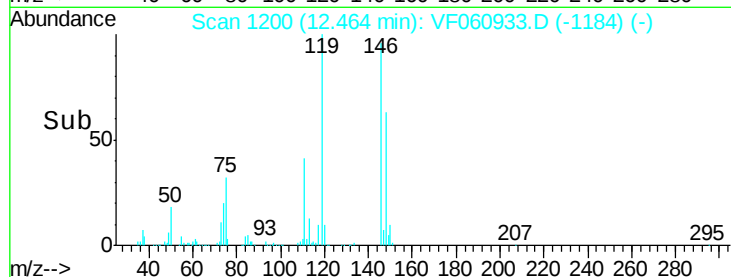
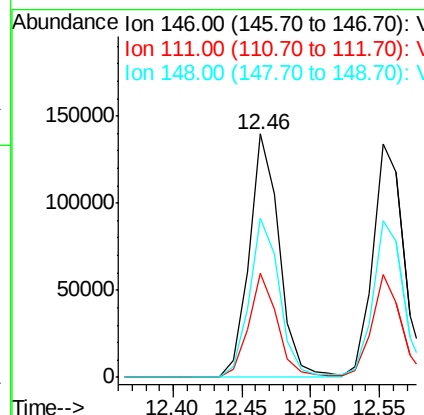
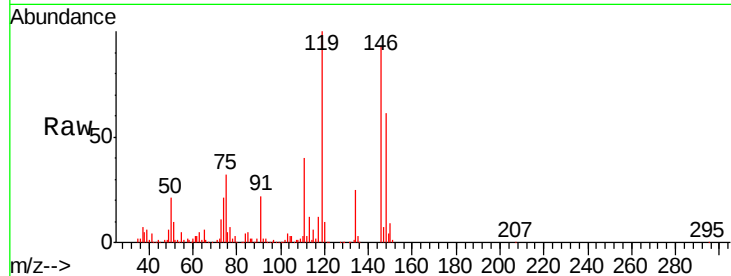
#87
 1,3-Dichlorobenzene
 Concen: 46.317 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.0	59.9
148	65.5	32.9	98.6

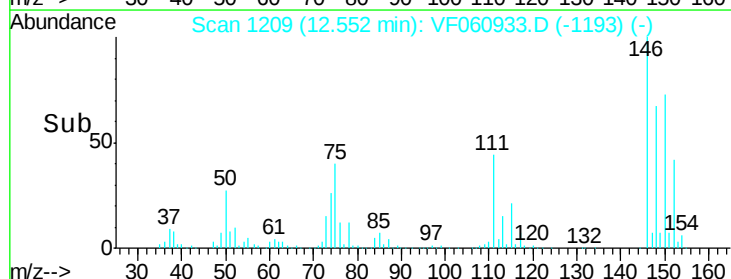
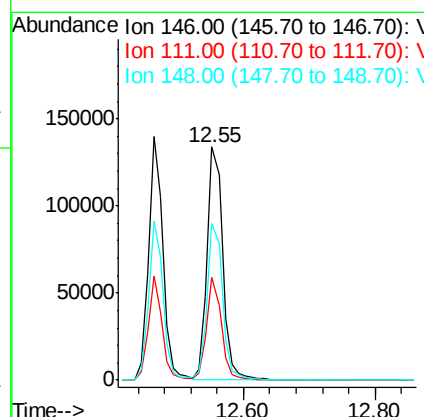
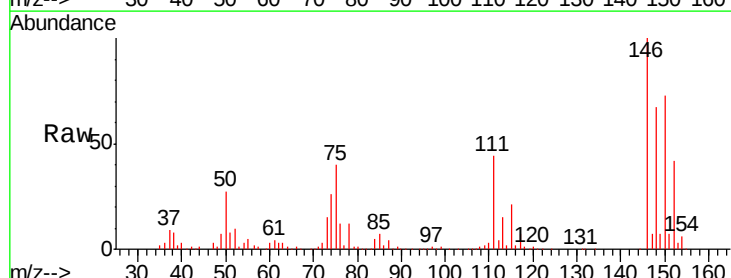
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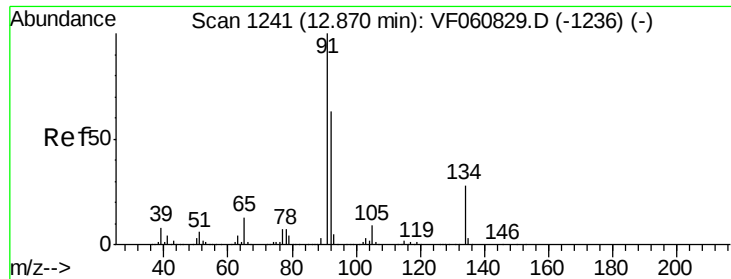
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#88
 1,4-Dichlorobenzene
 Concen: 47.626 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	18.9	56.7
148	67.1	32.3	96.9





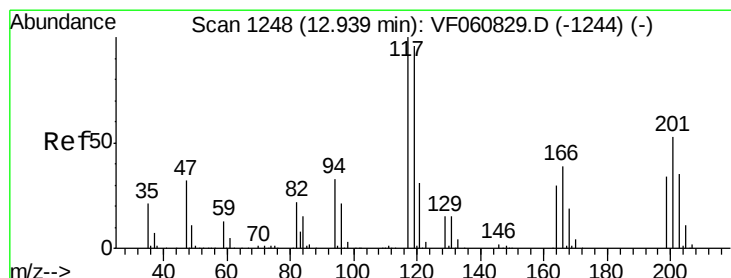
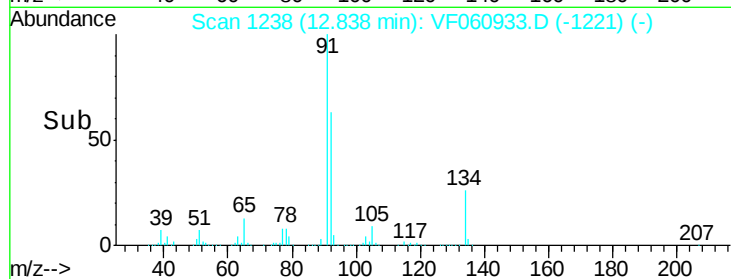
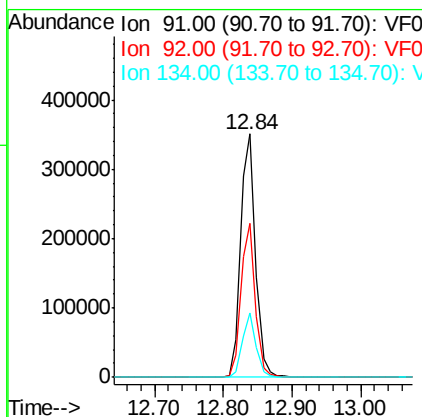
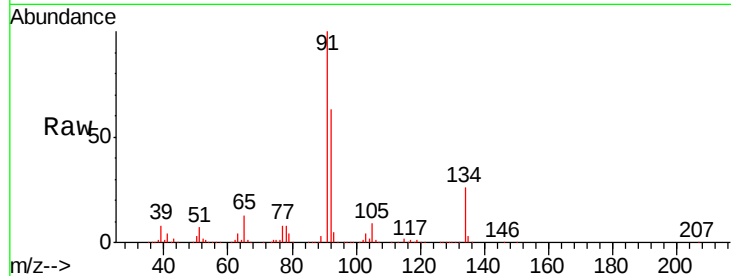
#89
n-Butylbenzene
Concen: 49.251 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	522210		
92	63.2		31.6	94.7
134	26.3		13.8	41.4

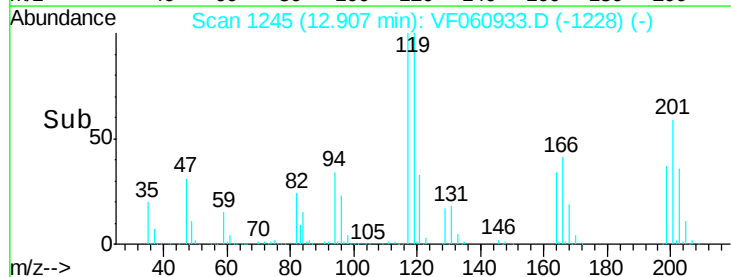
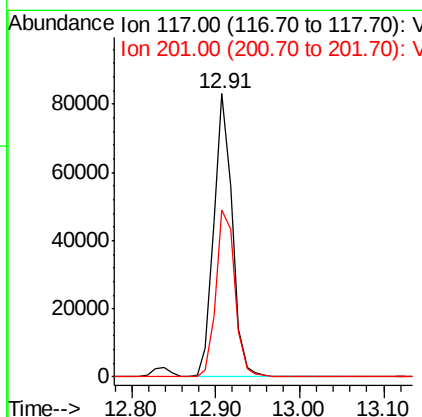
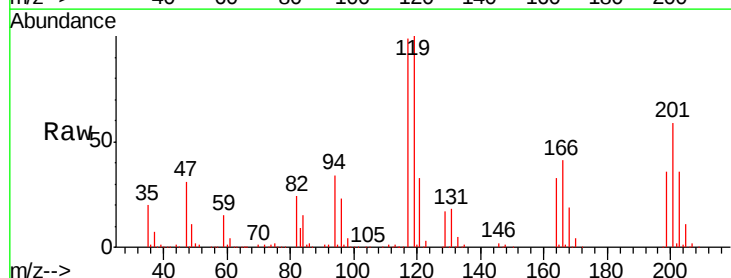
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#90
Hexachloroethane
Concen: 49.888 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.03 min
Lab File: VF060933.D
Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	125969		
201	58.9		26.7	80.1





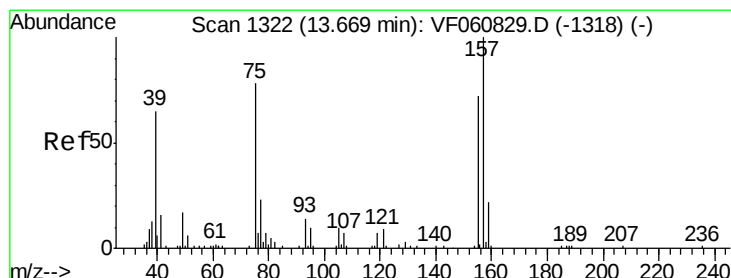
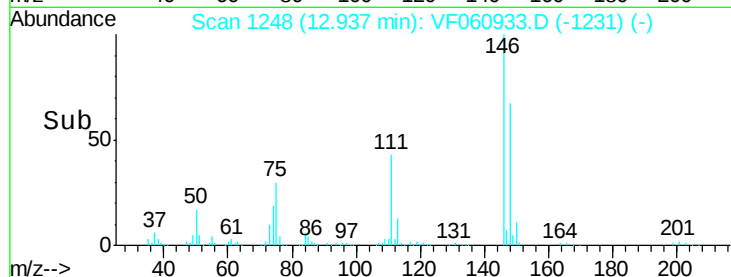
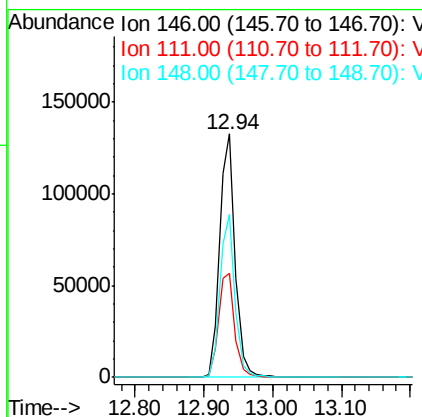
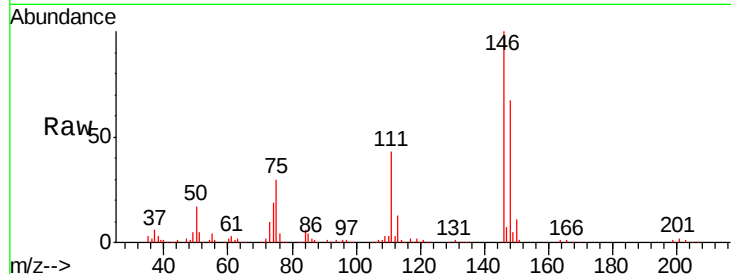
#91
 1,2-Dichlorobenzene
 Concen: 47.058 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	66.8	32.5	97.5

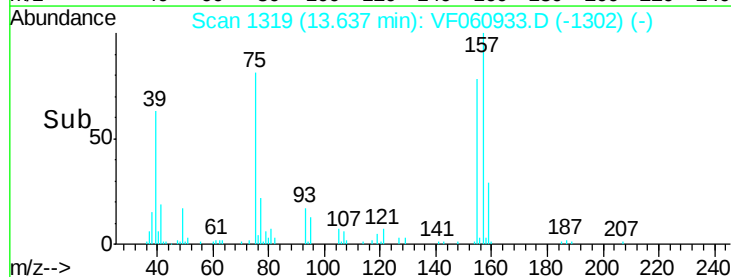
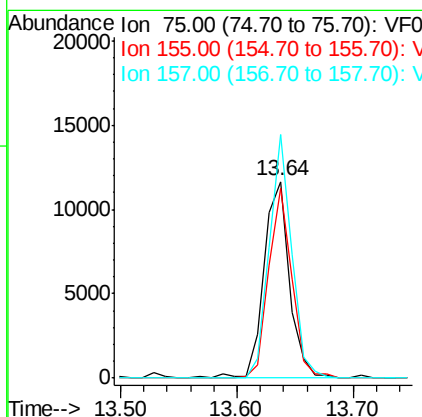
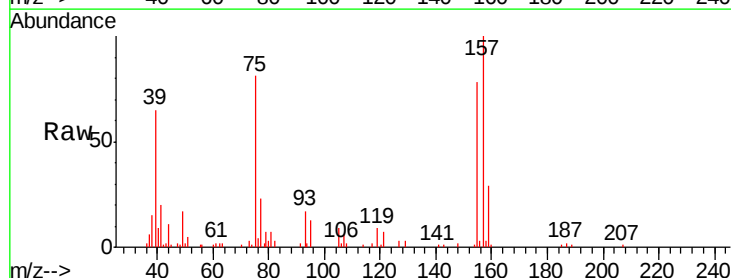
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.744 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	45.6	136.9
157	123.7	63.8	191.5





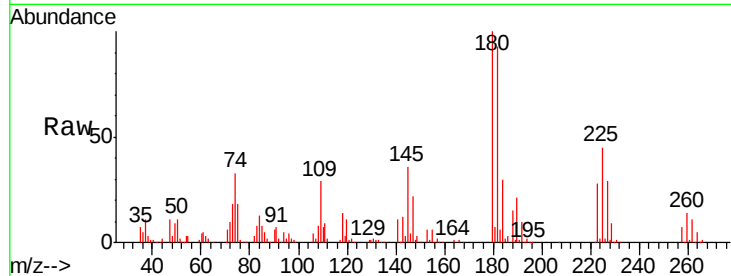
#93
 1,2,4-Trichlorobenzene
 Concen: 50.423 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

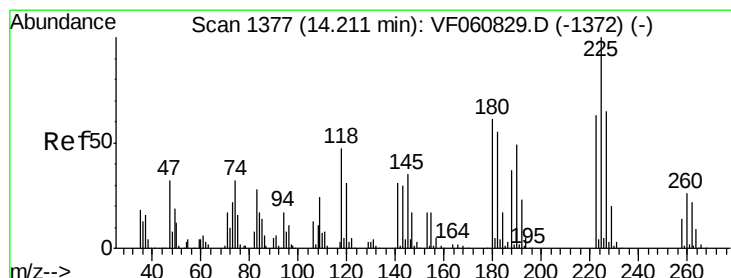
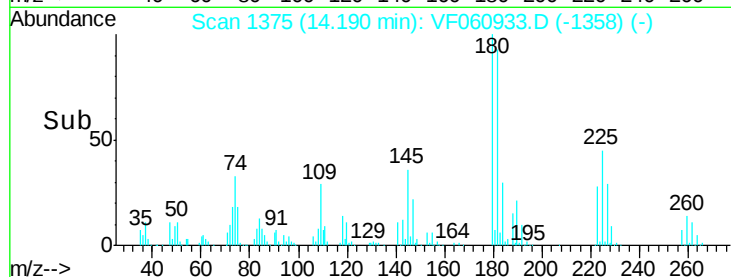
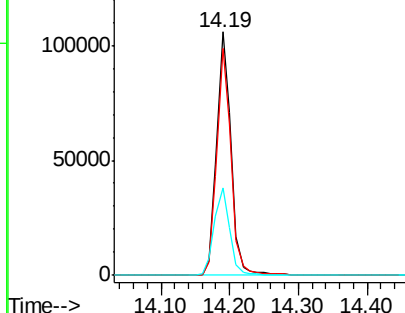
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	153725		
182	93.5	48.5	145.5	
145	36.1	18.1	54.3	

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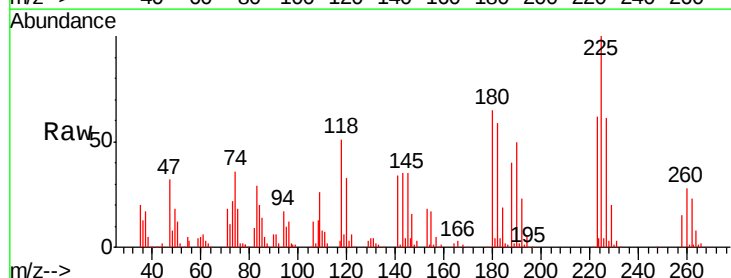


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

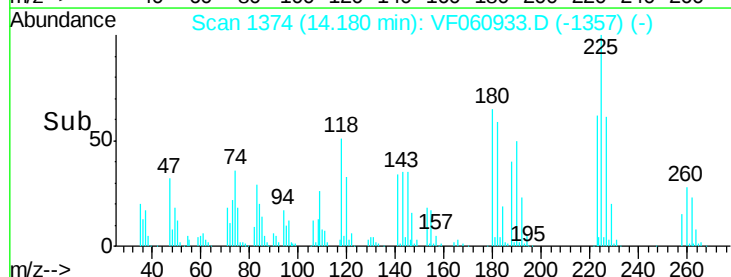
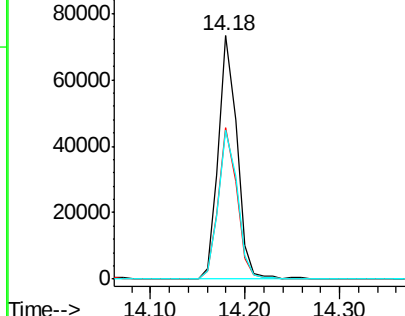


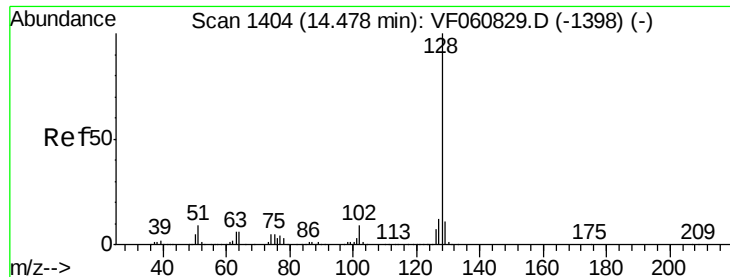
#94
 Hexachlorobutadiene
 Concen: 49.701 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060933.D
 Acq: 7 Dec 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101008		
223	62.0	31.4	94.3	
227	61.1	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: 48.284 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.03 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Instrument :

MSVOA_F

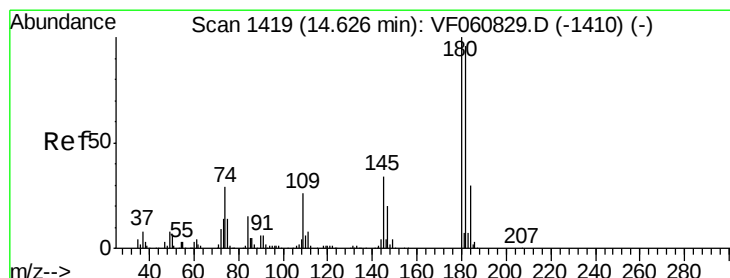
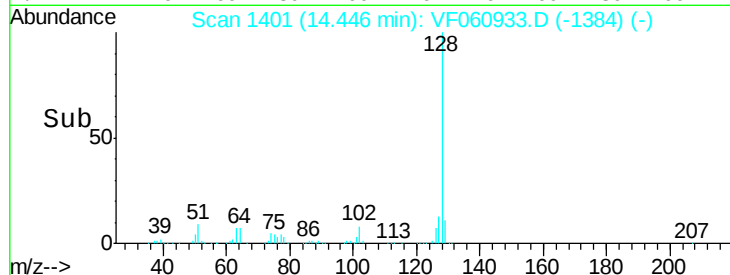
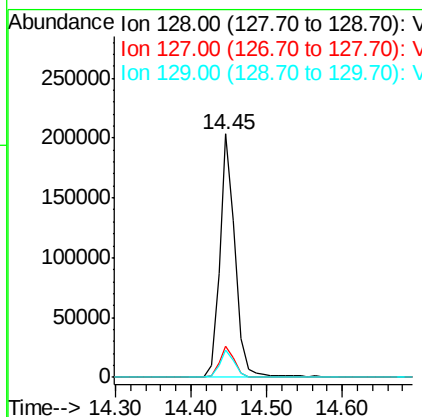
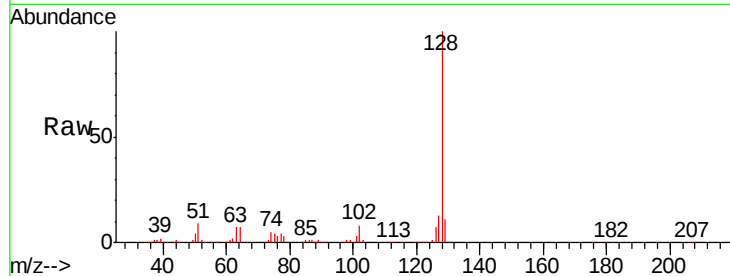
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	286423
Ion Ratio		Lower	Upper
128	100		
127	12.8	9.9	14.9
129	11.2	9.1	13.7

Manual Integrations
APPROVED

apatel
12/10/2018 4:37:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.555 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.03 min

Lab File: VF060933.D

Acq: 7 Dec 2018 16:21

Tgt Ion:	180	Resp:	143108
Ion Ratio		Lower	Upper
180	100		
182	94.4	47.9	143.8
145	35.4	17.2	51.5

