

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060833.D
 Acq On : 26 Nov 2018 20:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Manual Integrations
 APPROVED

apatel
 11/27/2018 3:17:16 PM

Quant Time: Nov 27 02:11:45 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	4.91	168	206303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	327576	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.82	117	325604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	158999	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	126466	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
35) Dibromofluoromethane	4.16	113	133722	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
50) Toluene-d8	7.59	98	421426	55.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.10%	
62) 4-Bromofluorobenzene	11.44	95	187959	54.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	139059	45.081	ug/l	100
3) Chloromethane	1.11	50	95324	47.490	ug/l	99
4) Vinyl Chloride	1.15	62	90147	48.148	ug/l	98
5) Bromomethane	1.34	94	65611	49.697	ug/l	90
6) Chloroethane	1.39	64	40718	50.310	ug/l	90
7) Trichlorofluoromethane	1.51	101	193009	48.046	ug/l	96
8) Diethyl Ether	1.64	74	26124	45.223	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.84	101	96061	47.300	ug/l	95
10) Methyl Iodide	1.91	142	154149	49.936	ug/l	98
11) Tert butyl alcohol	2.60	59	23467	235.554	ug/l	96
12) 1,1-Dichloroethene	1.80	96	74163	45.401	ug/l	95
13) Acrolein	2.02	56	23491	248.869	ug/l	92
14) Allyl chloride	2.12	41	109341	53.703	ug/l	96
15) Acrylonitrile	2.98	53	56529	253.095	ug/l	91
16) Acetone	2.25	43	102879	229.556	ug/l #	92
17) Carbon Disulfide	1.85	76	208979	47.713	ug/l	97
18) Methyl Acetate	2.36	43	38907	51.806	ug/l	93
19) Methyl tert-butyl Ether	2.45	73	183035	49.749	ug/l	99
20) Methylene Chloride	2.25	84	74804m	45.498	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	78112	49.600	ug/l	97
22) Diisopropyl ether	2.83	45	273392	49.330	ug/l	98
23) Vinyl Acetate	3.22	43	670230	264.564	ug/l	97
24) 1,1-Dichloroethane	2.90	63	165092	50.068	ug/l	97
25) 2-Butanone	4.38	43	181373	233.979	ug/l	94
26) 2,2-Dichloropropane	3.64	77	98563	46.107	ug/l	98
27) cis-1,2-Dichloroethene	3.51	96	119953	46.786	ug/l	95
28) Bromochloromethane	3.75	49	77893	49.223	ug/l	97
29) Tetrahydrofuran	4.11	42	70219	213.703	ug/l	95
30) Chloroform	3.89	83	228497	45.026	ug/l	95
31) Cyclohexane	3.73	56	160097	46.784	ug/l	97
32) 1,1,1-Trichloroethane	4.14	97	171280	48.666	ug/l	95
36) 1,1-Dichloropropene	4.33	75	173245	47.682	ug/l	98
37) Ethyl Acetate	4.15	43	69792	47.268	ug/l #	81
38) Carbon Tetrachloride	4.03	117	154453	48.129	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	187398	49.216	ug/l	98
40) Benzene	4.67	78	366914	45.711	ug/l	98
41) Methacrylonitrile	4.78	41	42115	55.519	ug/l #	91
42) 1,2-Dichloroethane	4.99	62	138990	47.430	ug/l	99
43) Isopropyl Acetate	7.00	43	95127	52.345	ug/l	97
44) Trichloroethene	5.55	130	116902	44.542	ug/l	99
45) 1,2-Dichloropropane	6.28	63	108328	51.964	ug/l	97
46) Dibromomethane	6.13	93	71374	50.470	ug/l	96
47) Bromodichloromethane	6.43	83	183636	48.891	ug/l	97
48) Methyl methacrylate	6.75	41	67775	50.711	ug/l	96
49) 1,4-Dioxane	6.73	88	9494	970.620	ug/l #	80
51) 4-Methyl-2-Pentanone	8.29	43	329108	241.712	ug/l	95
52) Toluene	7.67	92	262314	46.525	ug/l	98
53) t-1,3-Dichloropropene	8.32	75	148297	48.539	ug/l	96
54) cis-1,3-Dichloropropene	7.34	75	192327	50.849	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	82663	50.316	ug/l	98
56) Ethyl methacrylate	8.66	69	92654	50.768	ug/l	98
57) 1,3-Dichloropropane	8.89	76	143627	49.969	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.34	63	46289	247.965	ug/l	96
59) 2-Hexanone	9.52	43	248022	259.647	ug/l	99
60) Dibromochloromethane	8.76	129	116199	47.470	ug/l	93
61) 1,2-Dibromoethane	9.02	107	90951	51.246	ug/l	98
64) Tetrachloroethene	8.19	164	117632	47.299	ug/l	95
65) Chlorobenzene	9.84	112	308431	48.693	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.97	131	124463	45.706	ug/l	97
67) Ethyl Benzene	9.94	91	574258	48.697	ug/l	98
68) m/p-Xylenes	10.17	106	389944	91.940	ug/l	99
69) o-Xylene	10.75	106	228980	48.960	ug/l	95
70) Styrene	10.83	104	302048	46.590	ug/l	99
71) Bromoform	10.81	173	61718	46.922	ug/l #	95
73) Isopropylbenzene	11.15	105	633642	50.429	ug/l	98
74) N-amyl acetate	11.40	43	163088	56.209	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	107489	51.979	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	78106	51.963	ug/l	89
77) Bromobenzene	11.53	156	136409	49.518	ug/l	90
78) n-propylbenzene	11.63	91	745715	50.679	ug/l	95
79) 2-Chlorotoluene	11.75	91	430667	51.044	ug/l	96
80) 1,3,5-Trimethylbenzene	11.85	105	498511	48.872	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.90	75	33315m	45.237	ug/l	
82) 4-Chlorotoluene	11.93	91	430512	48.486	ug/l	93
83) tert-Butylbenzene	12.16	119	497964	47.925	ug/l	99
84) 1,2,4-Trimethylbenzene	12.23	105	490438	48.175	ug/l	98
85) sec-Butylbenzene	12.34	105	715067	50.272	ug/l	96
86) p-Isopropyltoluene	12.48	119	584161	48.985	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	253377	48.355	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	251190	49.191	ug/l	97
89) n-Butylbenzene	12.87	91	568017	47.106	ug/l	96
90) Hexachloroethane	12.95	117	145792	50.770	ug/l	82
91) 1,2-Dichlorobenzene	12.97	146	240801	48.528	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	19815	49.561	ug/l	86

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QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	179189	51.682	ug/l	97
94) Hexachlorobutadiene	14.22	225	119182	51.565	ug/l	98
95) Naphthalene	14.49	128	368690	55.147	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	171394	53.239	ug/l	98

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

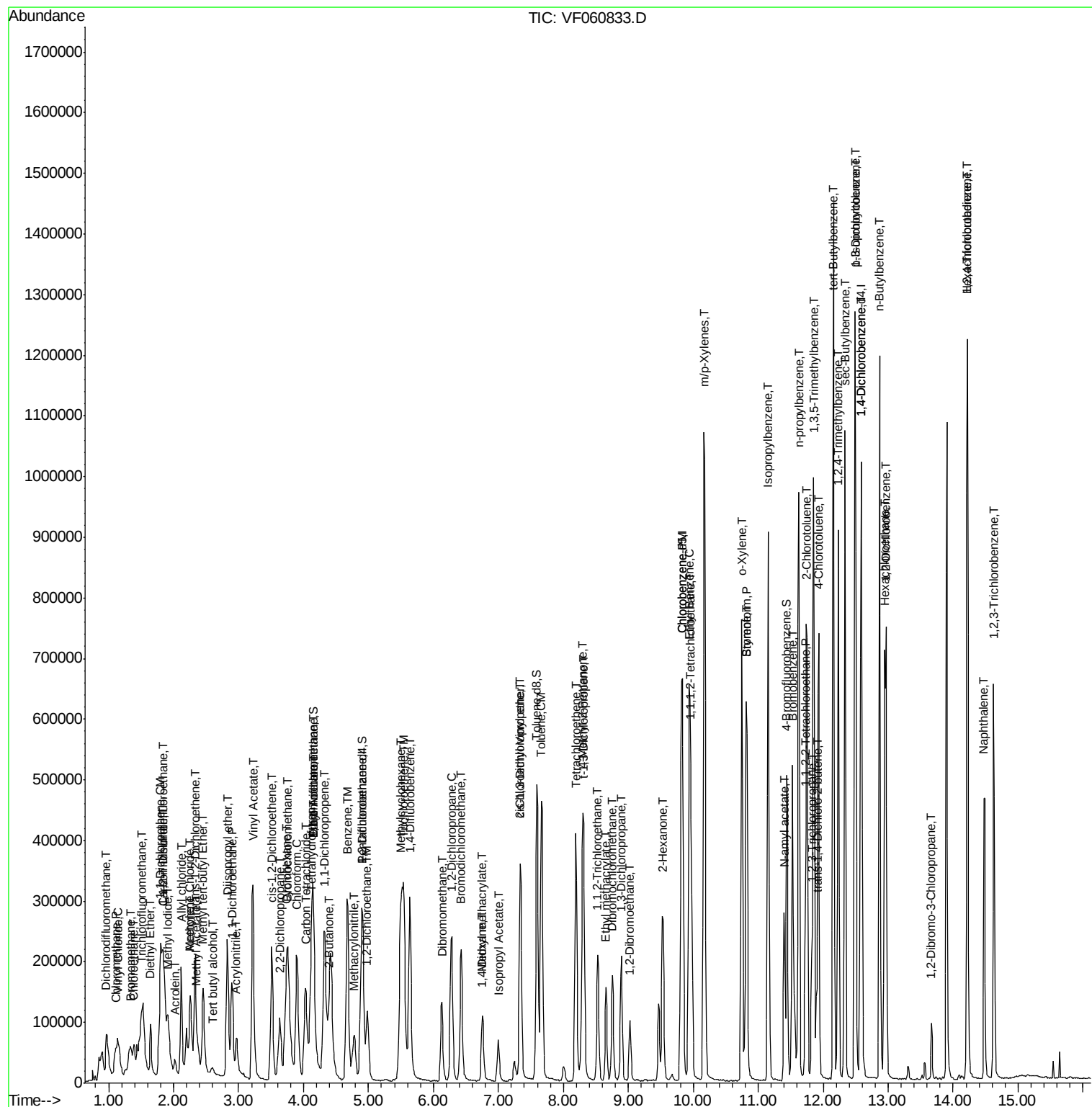
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112618\
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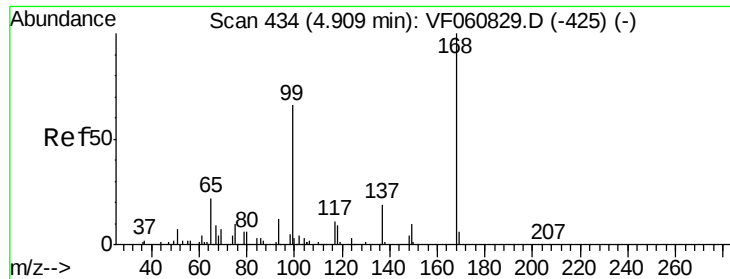
Instrument :
 MSVOA_F
 Client Sample Id :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion:168 Resp: 206303

Ion Ratio Lower Upper

168 100

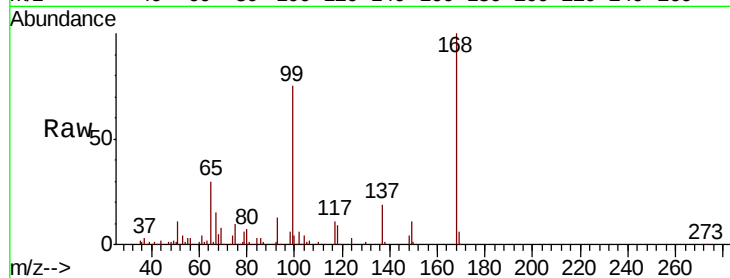
99 74.9 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

60000

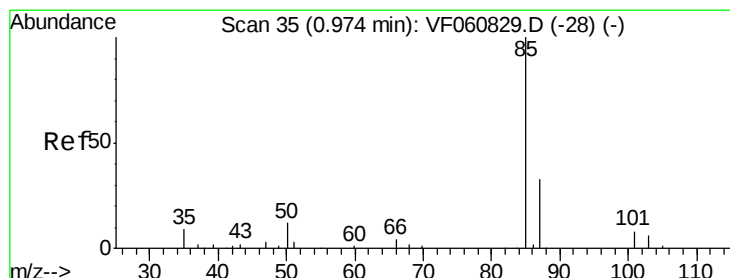
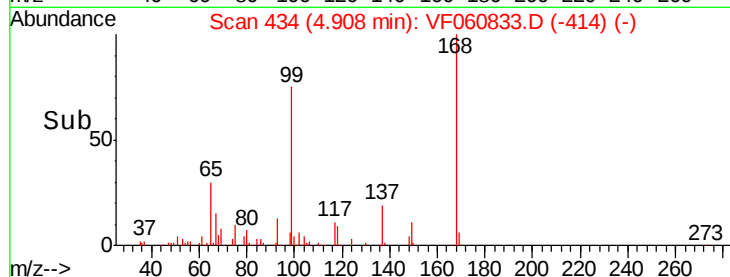
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 45.081 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060833.D

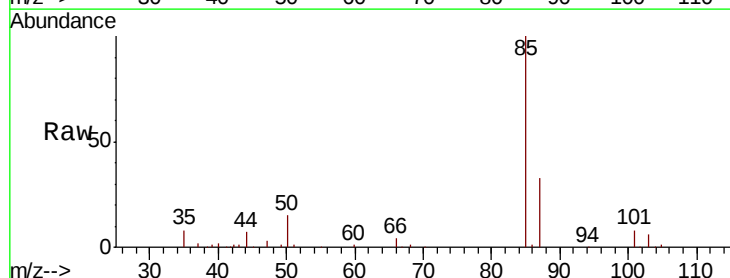
Acq: 26 Nov 2018 20:26

Tgt Ion: 85 Resp: 139059

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

40000

30000

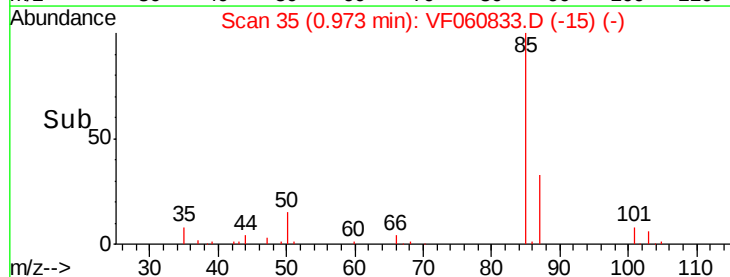
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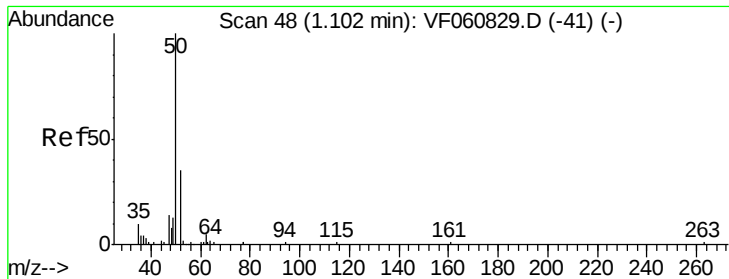
10000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 47.490 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 50 Resp: 95324

Ion Ratio Lower Upper

50 100

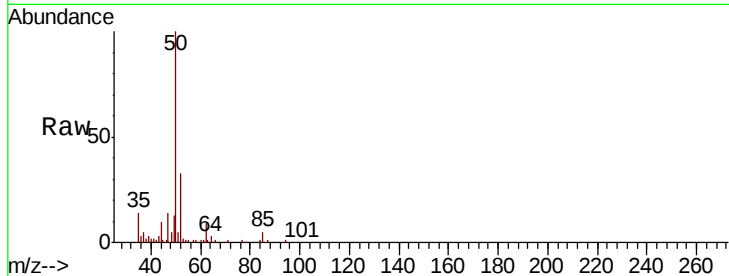
52 33.2 27.0 40.4

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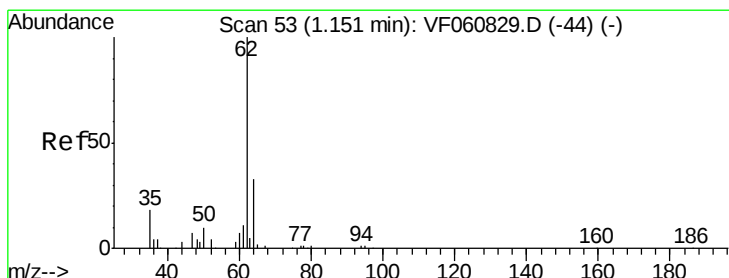
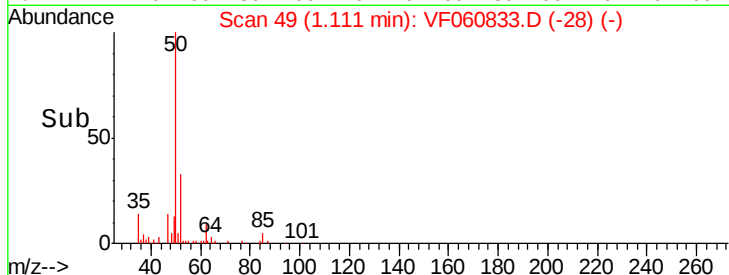
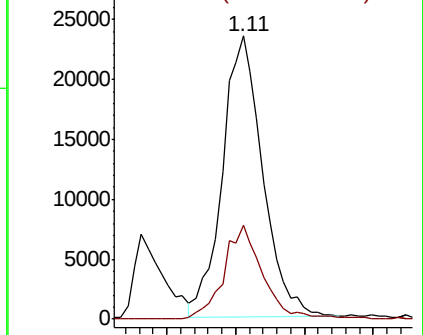
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 48.148 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060833.D

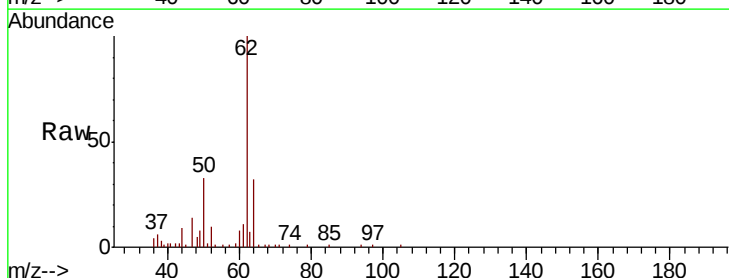
Acq: 26 Nov 2018 20:26

Tgt Ion: 62 Resp: 90147

Ion Ratio Lower Upper

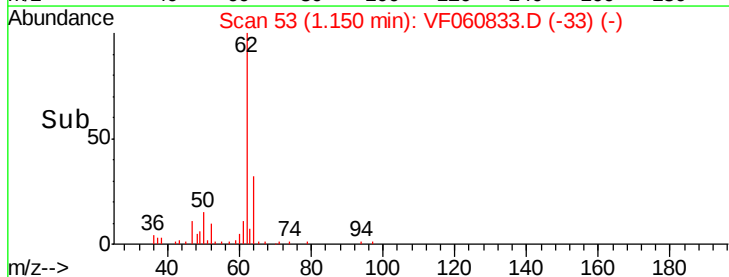
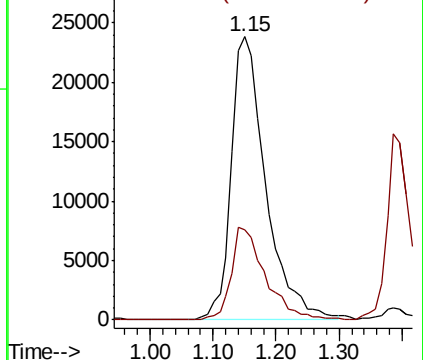
62 100

64 31.8 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 49.697 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

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Tot Ion: 94 Resp: 65611

Ion Ratio Lower Upper

94 100

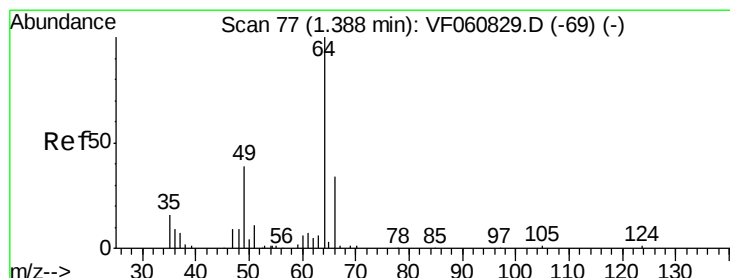
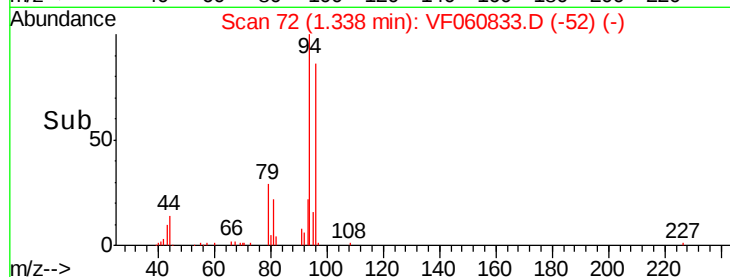
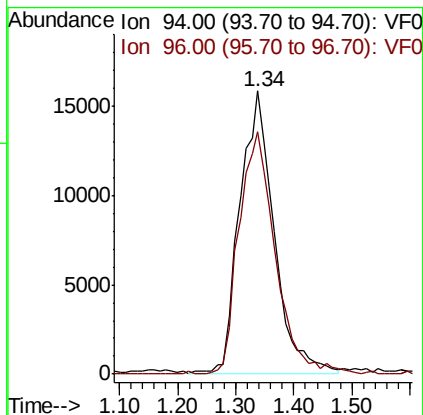
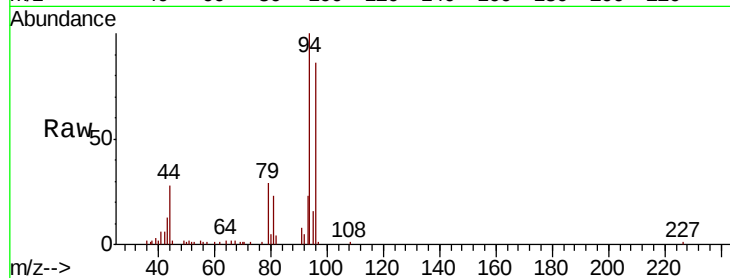
96 85.5 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 50.310 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060833.D

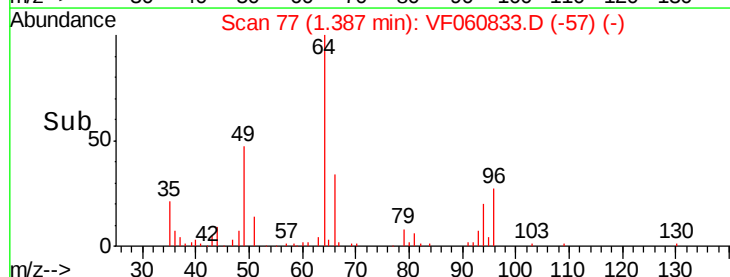
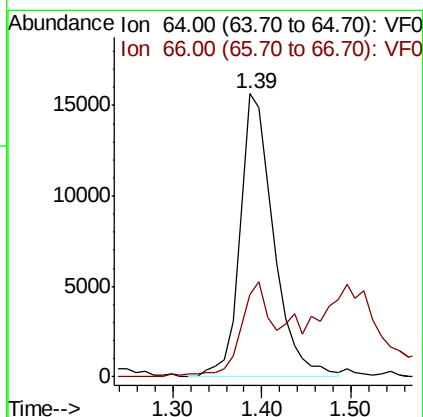
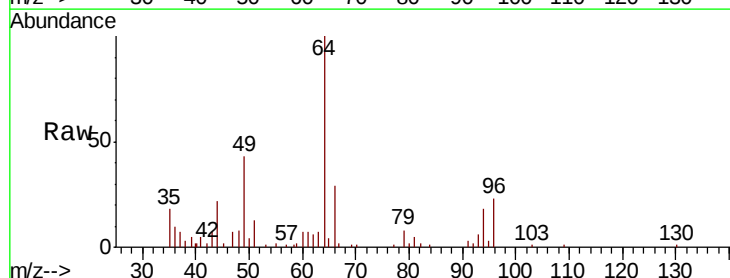
Acq: 26 Nov 2018 20:26

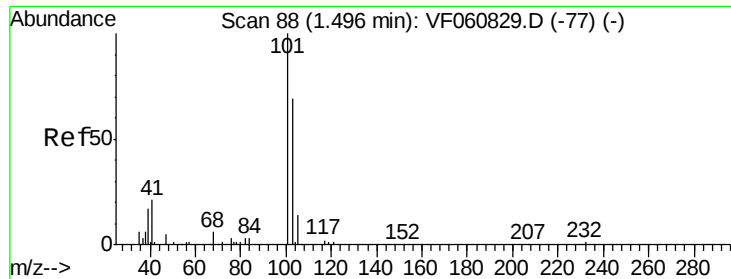
Tgt Ion: 64 Resp: 40718

Ion Ratio Lower Upper

64 100

66 29.2 28.1 42.1





#7

Trichlorofluoromethane

Concen: 48.046 ug/l

RT: 1.51 min Scan# 89

Delta R.T. 0.01 min

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Tot Ion:101 Resp: 193009

Ion Ratio Lower Upper

101 100

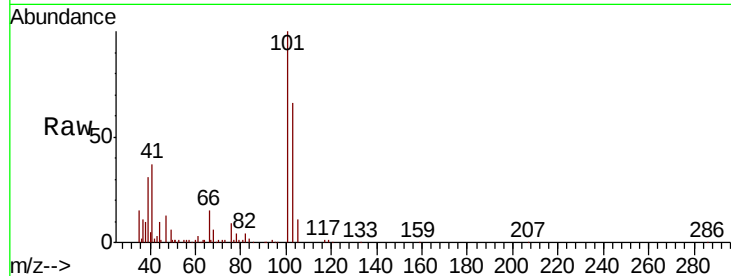
103 66.2 55.4 83.0

Manual Integrations

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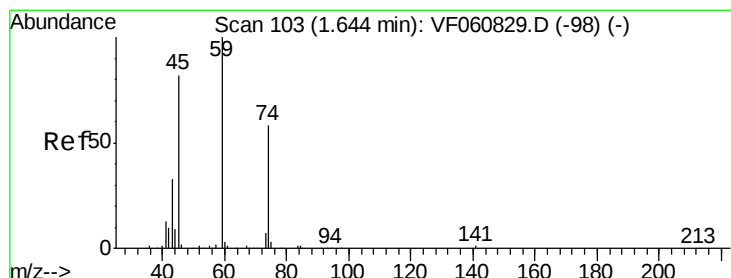
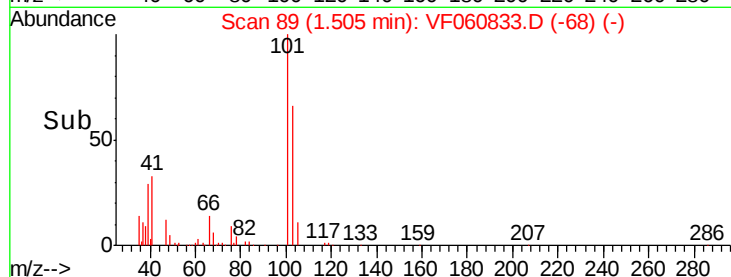
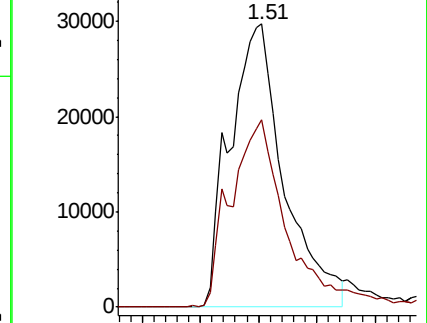
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 45.223 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060833.D

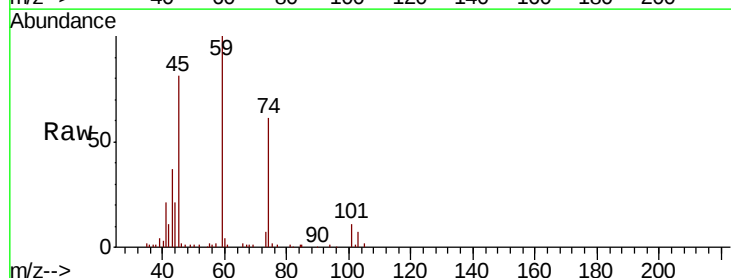
Acq: 26 Nov 2018 20:26

Tgt Ion: 74 Resp: 26124

Ion Ratio Lower Upper

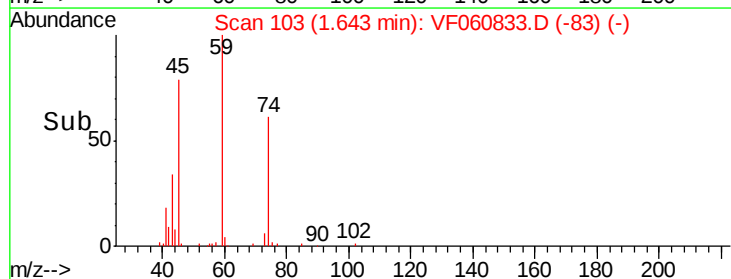
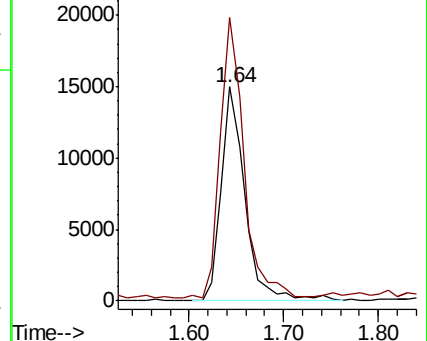
74 100

45 132.3 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.300 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

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MSVOA_F

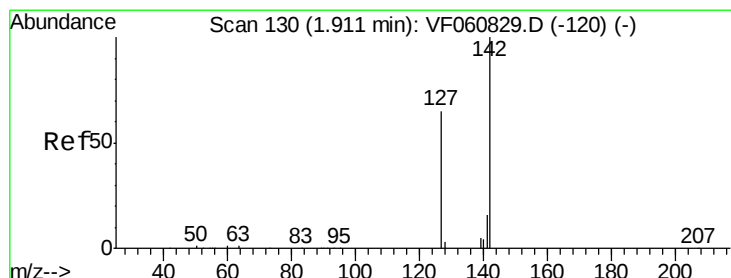
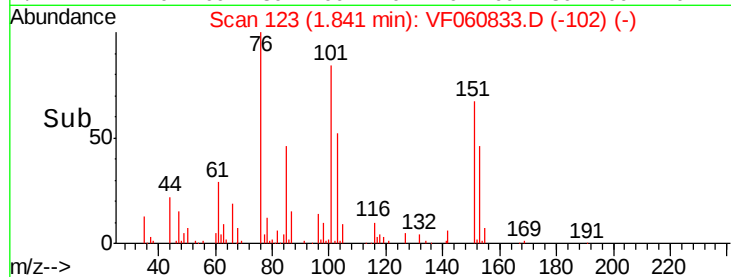
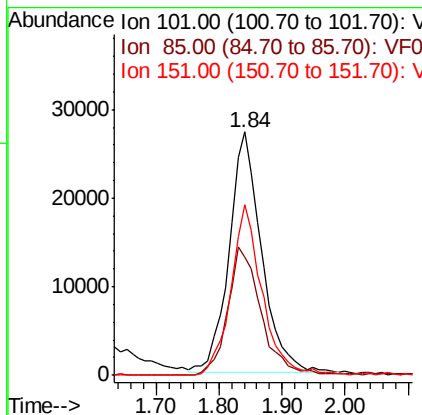
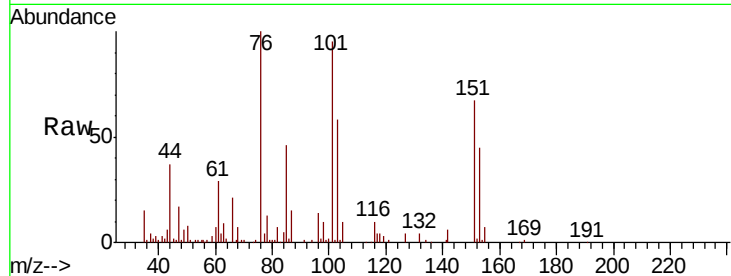
ClientSampleId :

ICVVF112618

Tot Ion:	101	Resp:	96061
Ion Ratio	Lower	Upper	
101	100		
85	48.4	42.8	64.2
151	70.3	54.4	81.6

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#10

Methyl Iodide

Concen: 49.936 ug/l

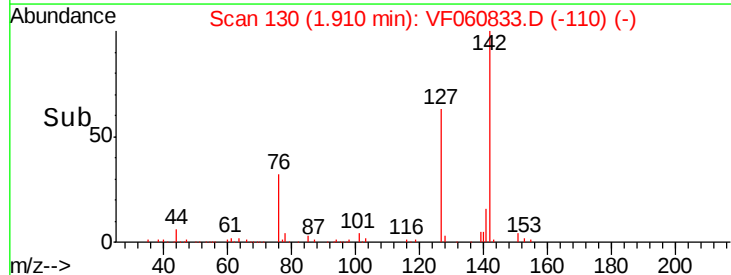
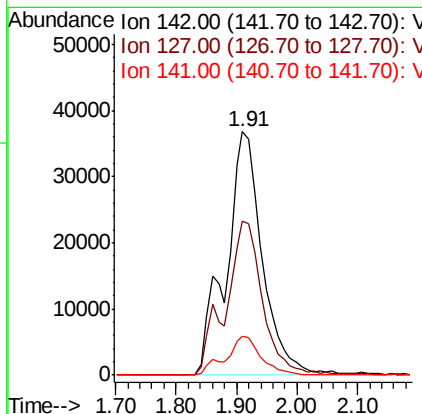
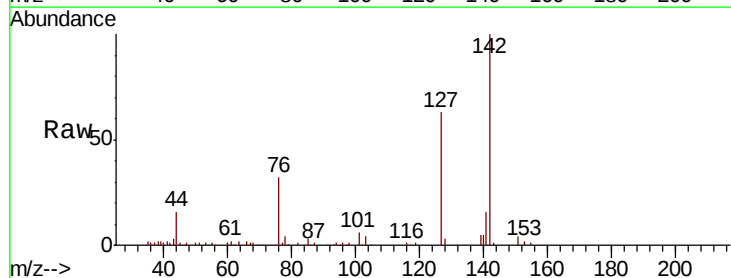
RT: 1.91 min Scan# 130

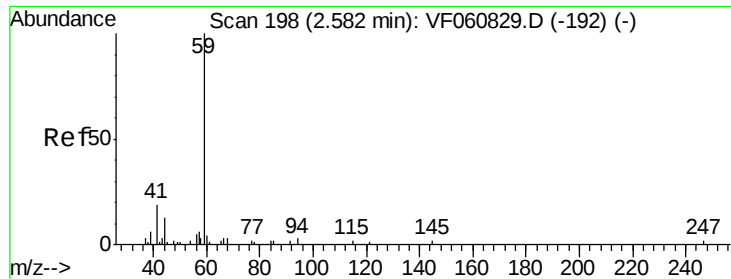
Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion:	142	Resp:	154149
Ion Ratio	Lower	Upper	
142	100		
127	63.4	51.9	77.9
141	16.0	12.7	19.1





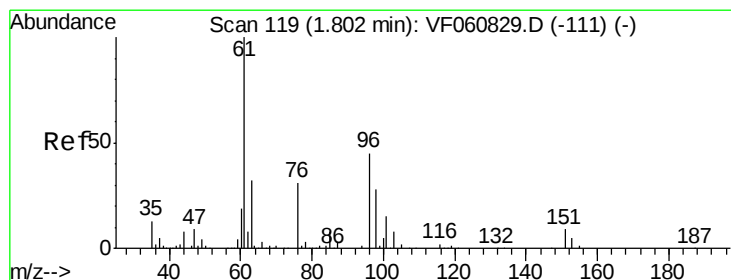
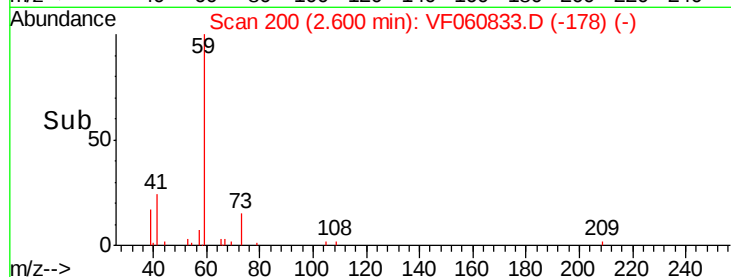
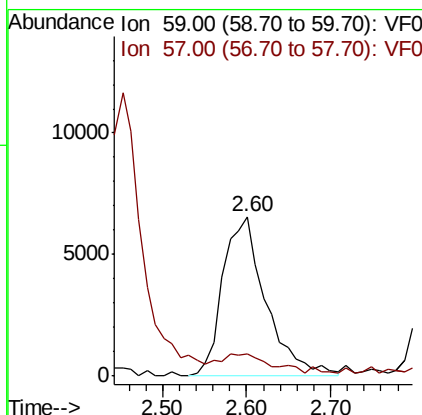
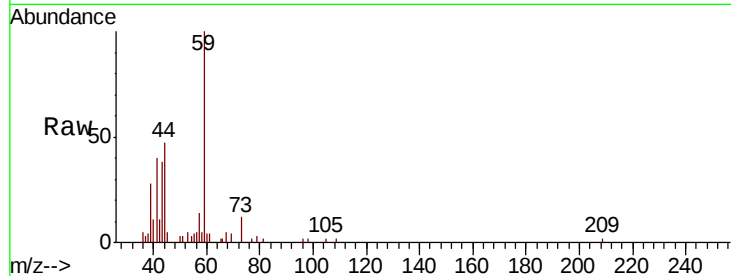
#11
Tert butyl alcohol
Concen: 235.554 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion: 59 Resp: 23467
Ion Ratio Lower Upper
59 100
57 14.2 12.7 19.1

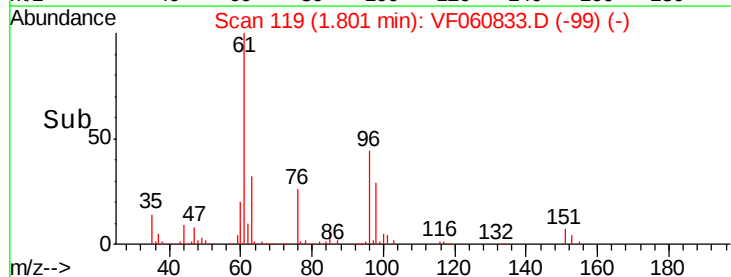
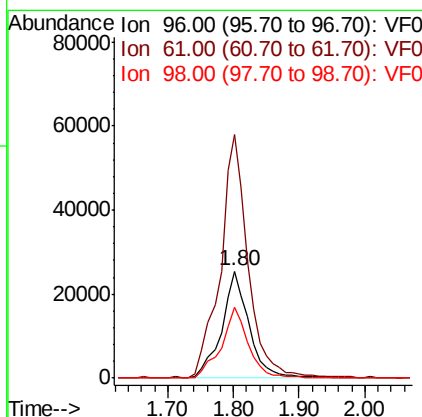
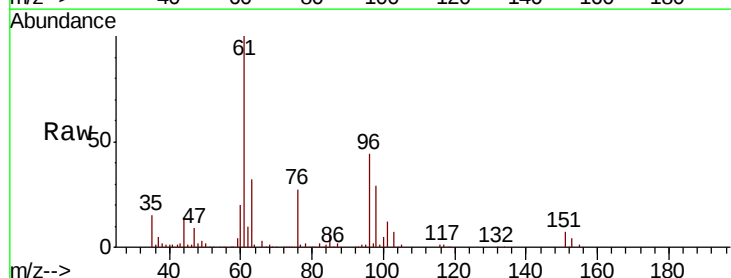
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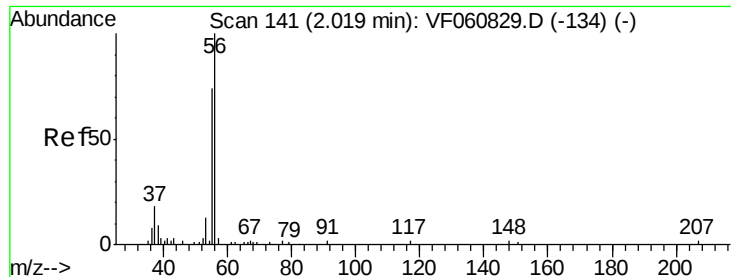
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#12
1,1-Dichloroethene
Concen: 45.401 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 96 Resp: 74163
Ion Ratio Lower Upper
96 100
61 228.1 177.3 265.9
98 66.9 49.6 74.4





#13

Acrolein

Concen: 248.869 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 56 Resp: 23491

Ion Ratio Lower Upper

56 100

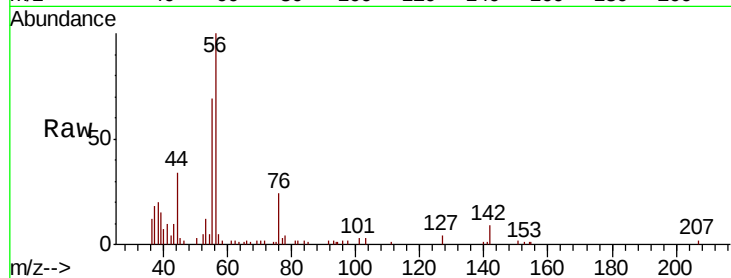
55 69.3 61.2 91.8

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.02

10000

8000

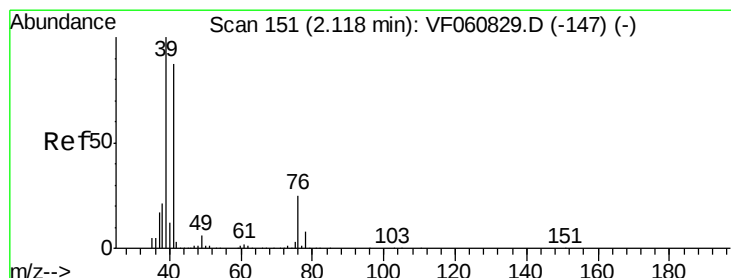
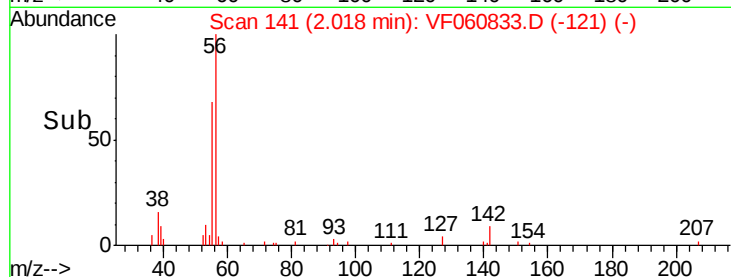
6000

4000

2000

0

Time--> 1.90 2.00 2.10



#14

Allyl chloride

Concen: 53.703 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

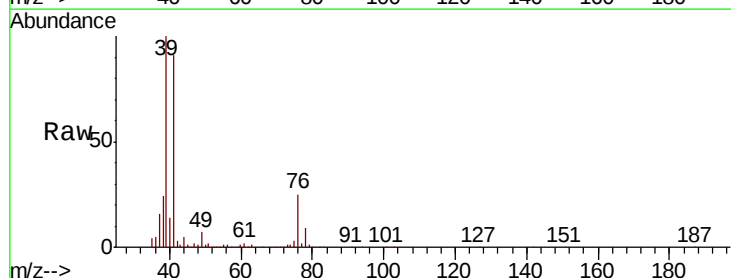
Tgt Ion: 41 Resp: 109341

Ion Ratio Lower Upper

41 100

39 110.1 91.7 137.5

76 27.8 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

80000

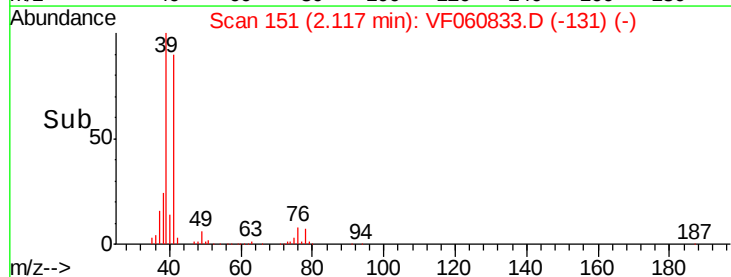
60000

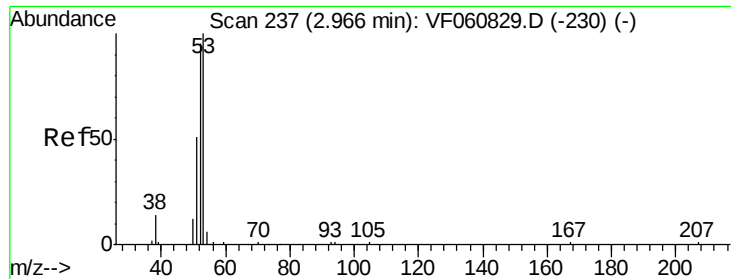
40000

20000

0

Time--> 2.00 2.05 2.10 2.15 2.20





#15

Acrylonitrile

Concen: 253.095 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

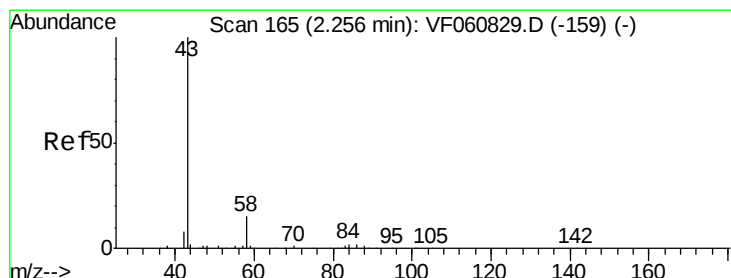
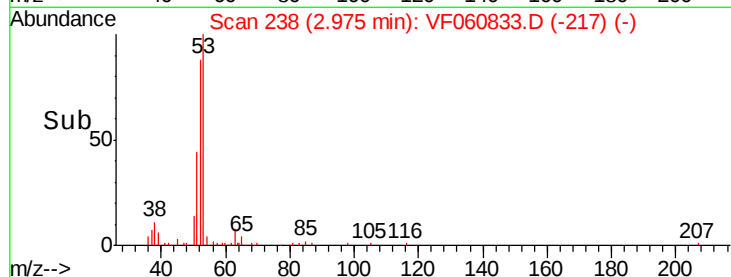
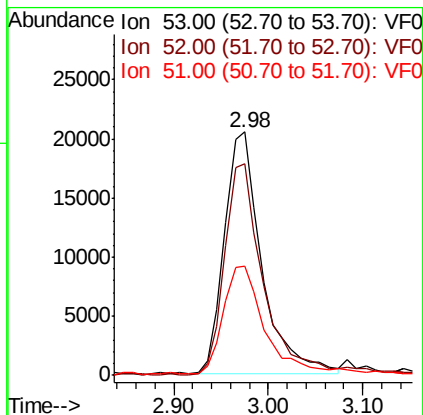
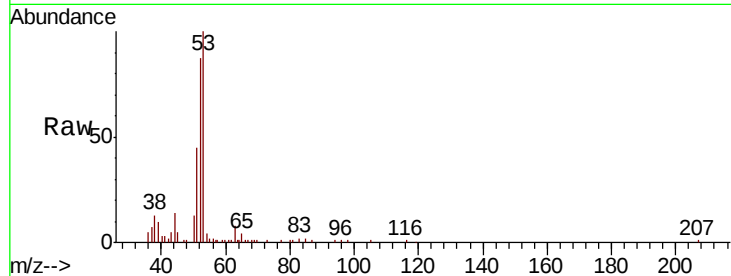
ClientSampleId :

ICVVF112618

Tot Ion:	53	Resp:	56529
Ion	Ratio	Lower	Upper
53	100		
52	86.8	76.5	114.7
51	44.6	40.7	61.1

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#16

Acetone

Concen: 229.556 ug/l

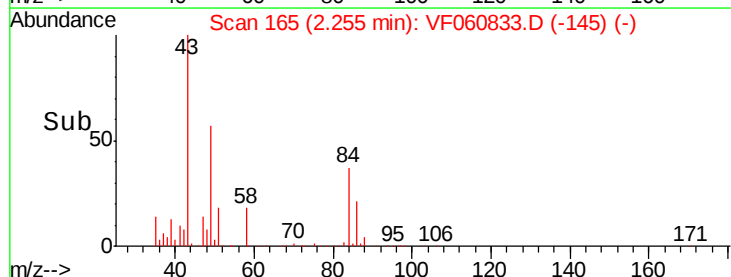
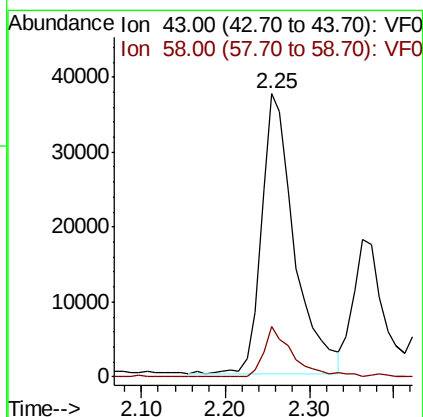
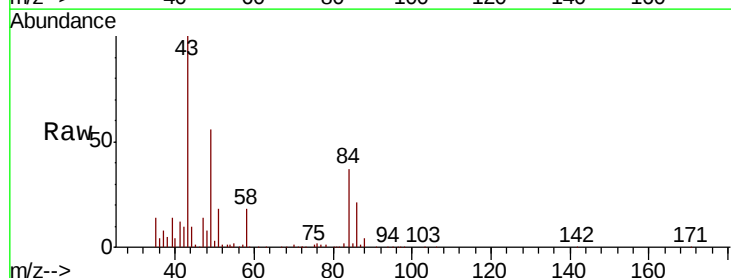
RT: 2.25 min Scan# 165

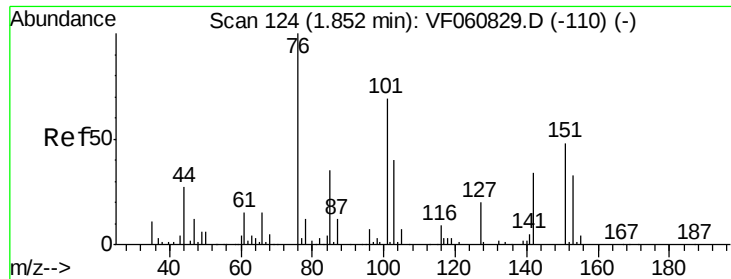
Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion:	43	Resp:	102879
Ion	Ratio	Lower	Upper
43	100		
58	17.7	11.4	17.2#





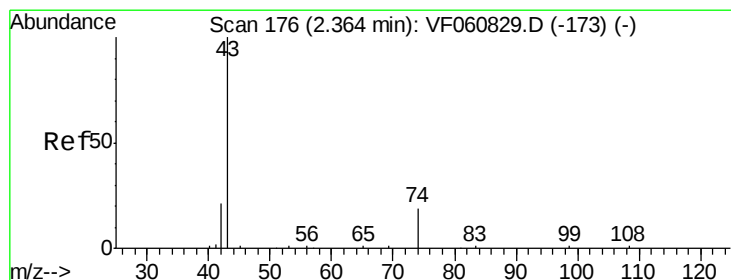
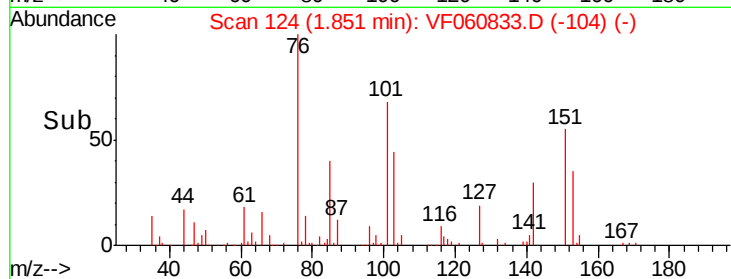
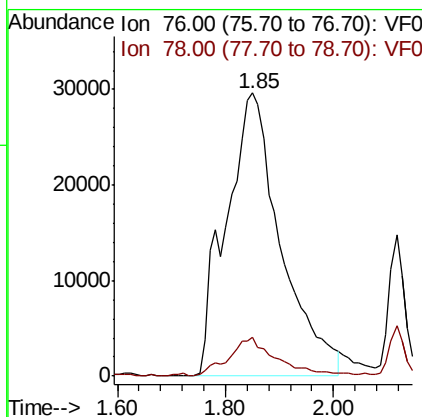
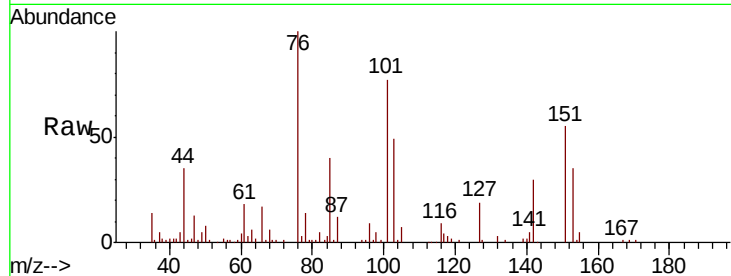
#17
Carbon Disulfide
Concen: 47.713 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion: 76 Resp: 208979
Ion Ratio Lower Upper
76 100
78 13.8 10.2 15.2

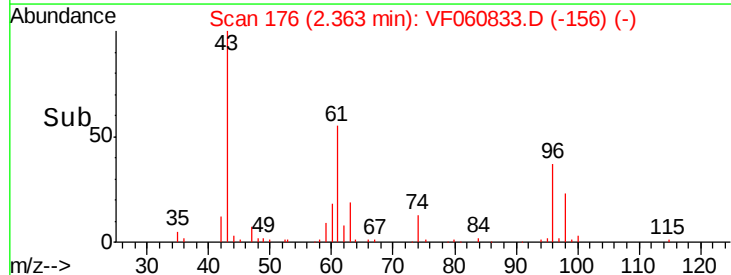
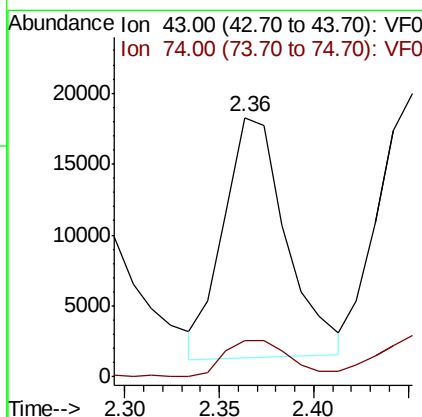
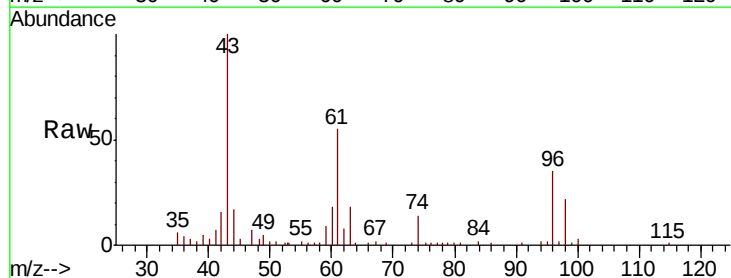
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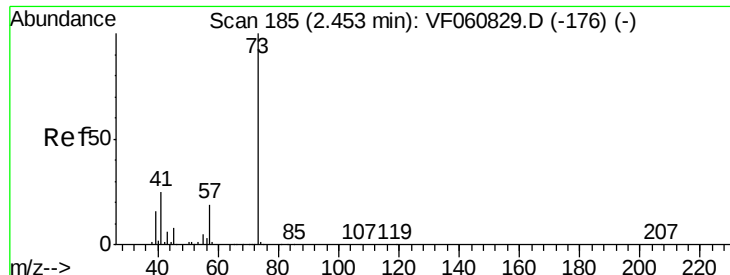
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#18
Methyl Acetate
Concen: 51.806 ug/l
RT: 2.36 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 43 Resp: 38907
Ion Ratio Lower Upper
43 100
74 13.8 13.3 19.9





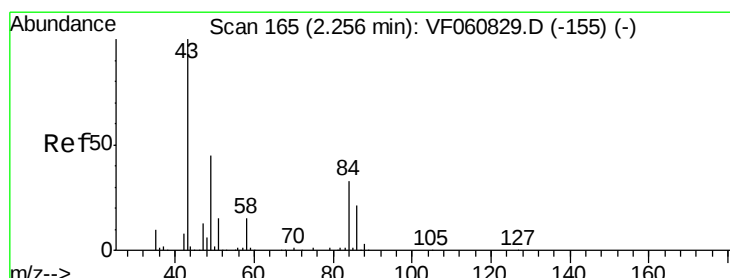
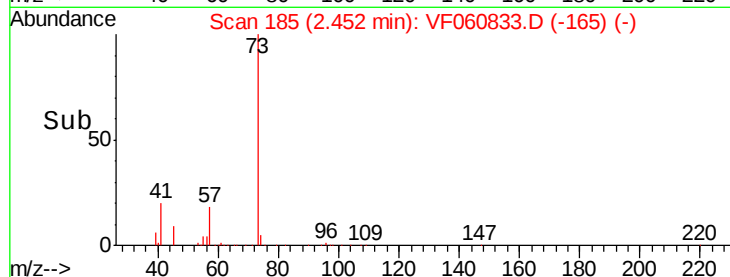
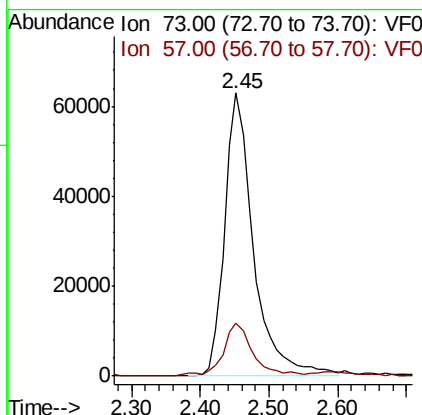
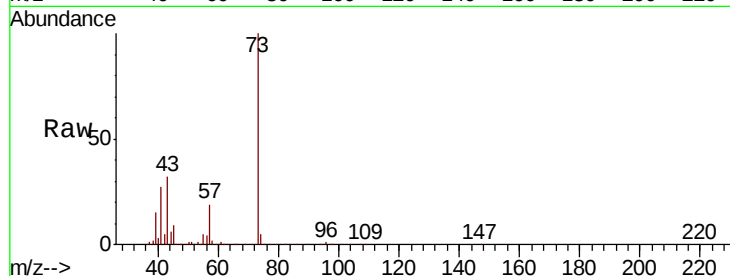
#19
Methyl tert-butyl Ether
Concen: 49.749 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion: 73 Resp: 183035
Ion Ratio Lower Upper
73 100
57 18.5 15.3 22.9

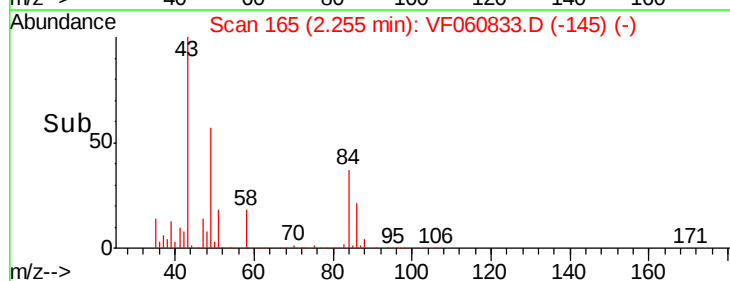
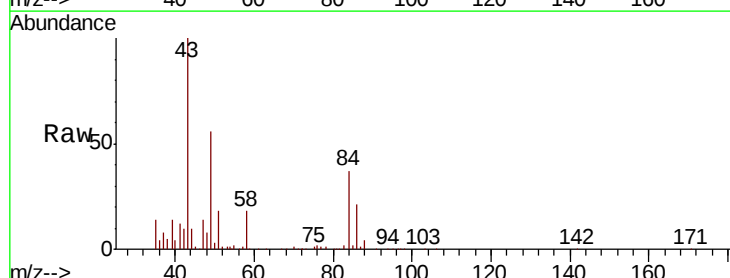
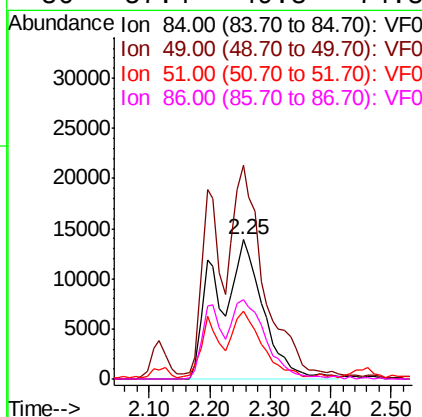
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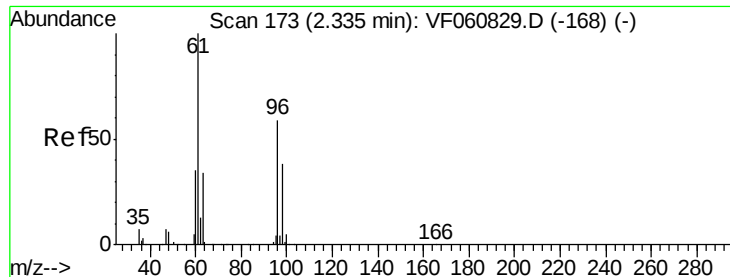
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#20
Methylene Chloride
Concen: 45.498 ug/l m
RT: 2.25 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion: 84 Resp: 74804
Ion Ratio Lower Upper
84 100
49 153.5 111.3 166.9
51 48.9 38.0 57.0
86 57.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.600 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

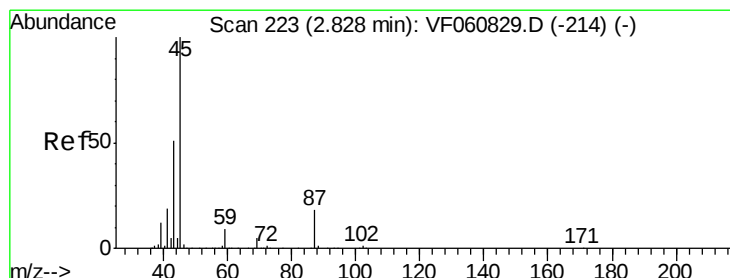
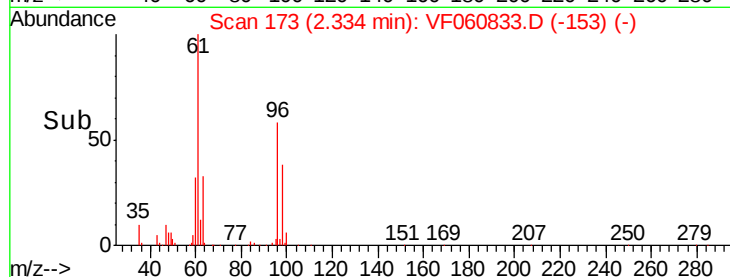
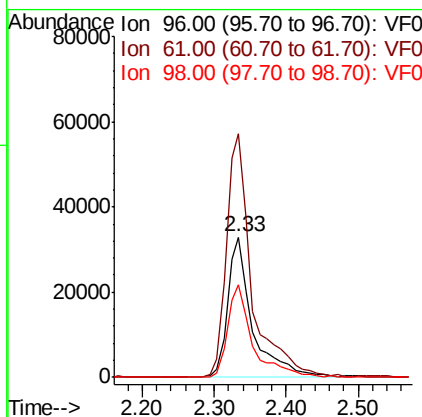
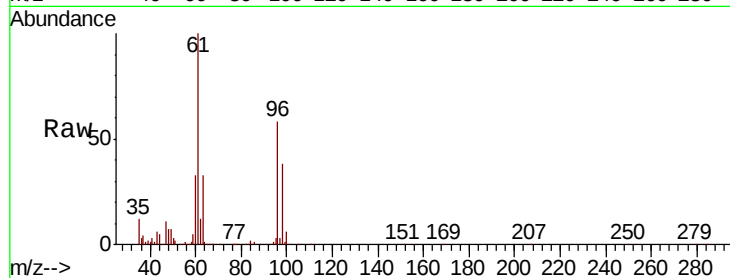
ClientSampleId :

ICVVF112618

Tot Ion:	96	Resp:	78112
Ion Ratio	Lower	Upper	
96	100		
61	173.4	134.5	201.7
98	66.2	51.6	77.4

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#22

Diisopropyl ether

Concen: 49.330 ug/l

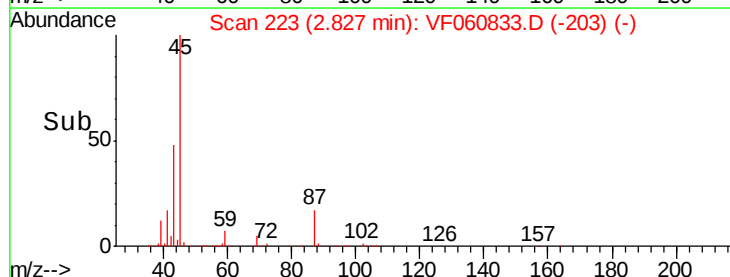
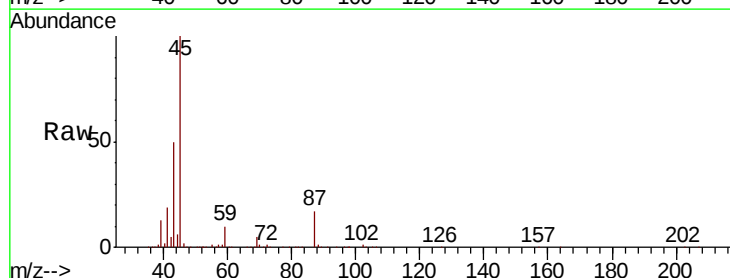
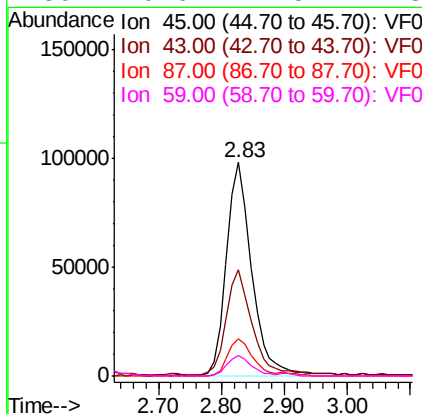
RT: 2.83 min Scan# 223

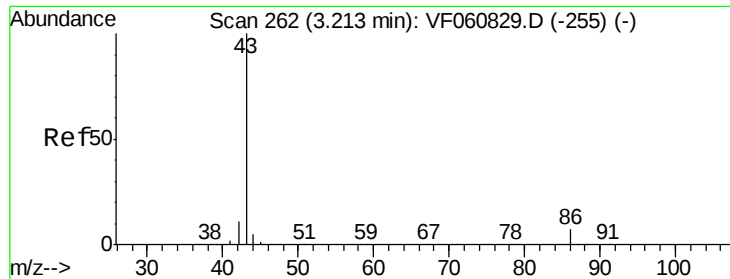
Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion:	45	Resp:	273392
Ion Ratio	Lower	Upper	
45	100		
43	49.8	41.0	61.6
87	17.2	14.6	22.0
59	9.6	7.5	11.3





#23

Vinyl Acetate

Concen: 264.564 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 43 Resp: 670230

Ion Ratio Lower Upper

43 100

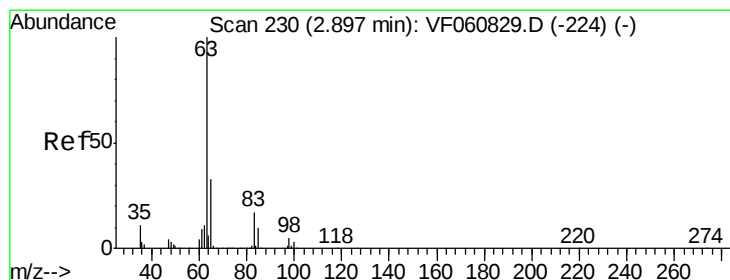
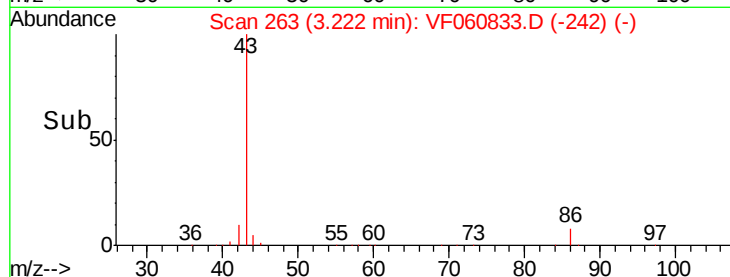
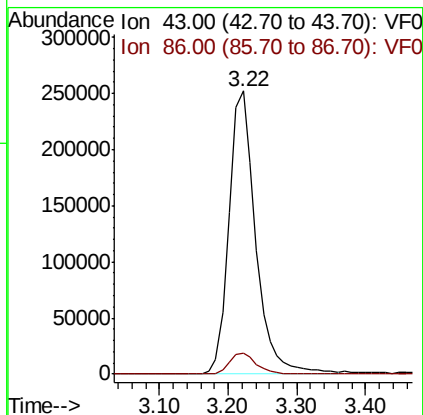
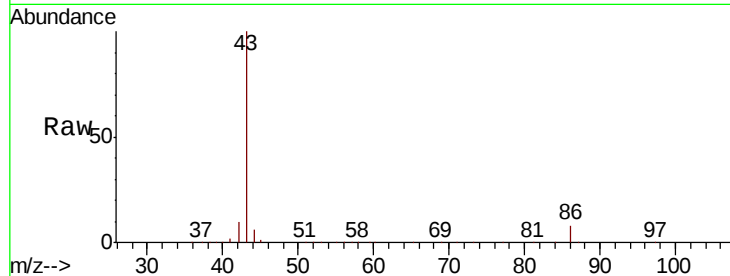
86 7.6 5.4 8.0

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#24

1,1-Dichloroethane

Concen: 50.068 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

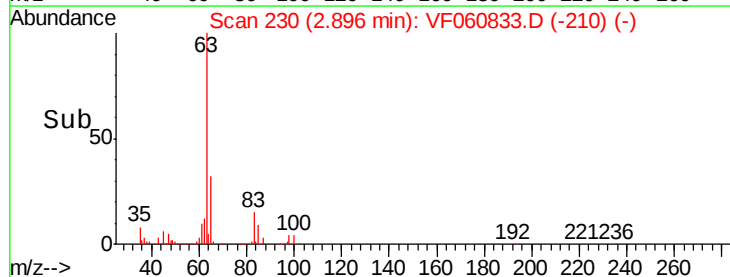
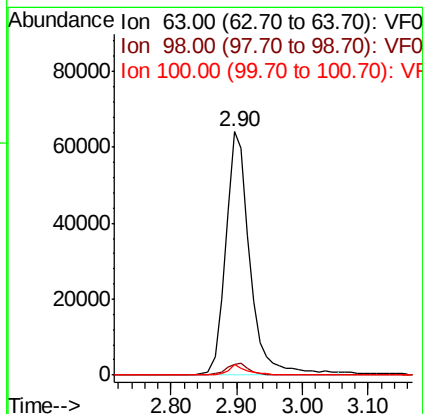
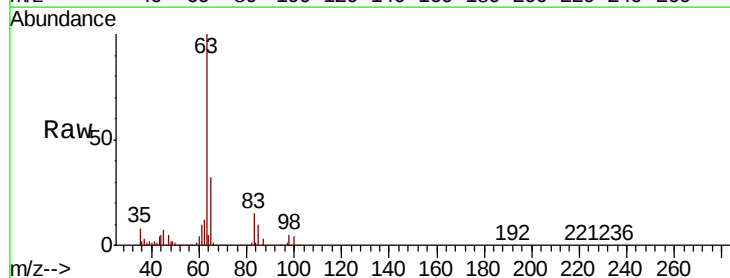
Tgt Ion: 63 Resp: 165092

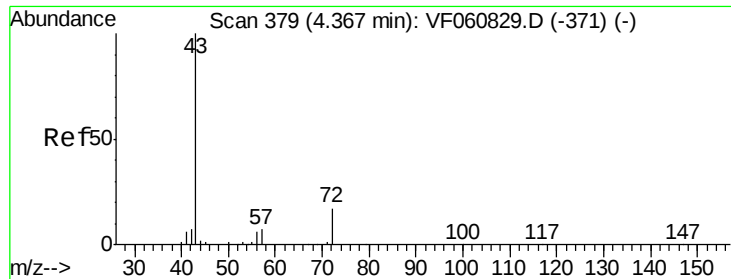
Ion Ratio Lower Upper

63 100

98 4.5 2.7 8.1

100 4.1 1.5 4.5





#25

2-Butanone

Concen: 233.979 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 43 Resp: 181373

Ion Ratio Lower Upper

43 100

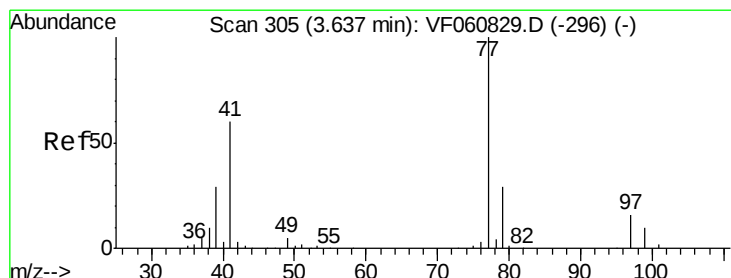
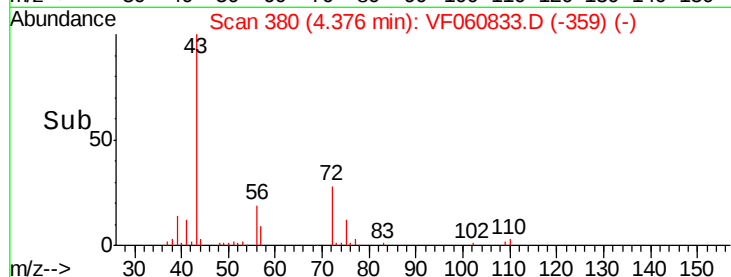
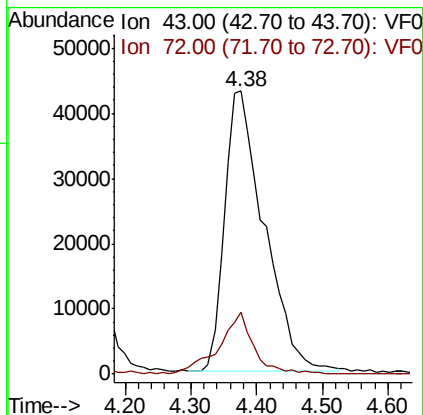
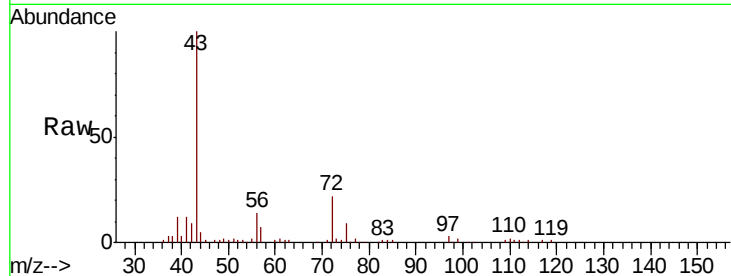
72 22.0 15.4 23.2

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#26

2,2-Dichloropropane

Concen: 46.107 ug/l

RT: 3.64 min Scan# 305

Delta R.T. -0.00 min

Lab File: VF060833.D

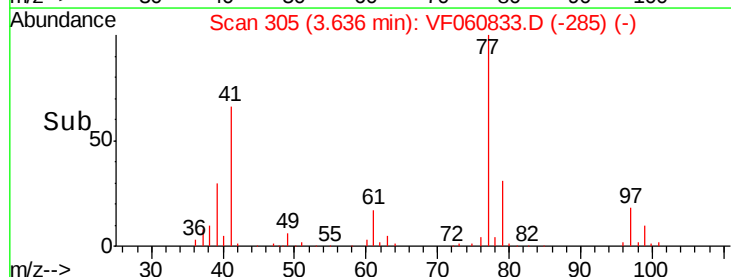
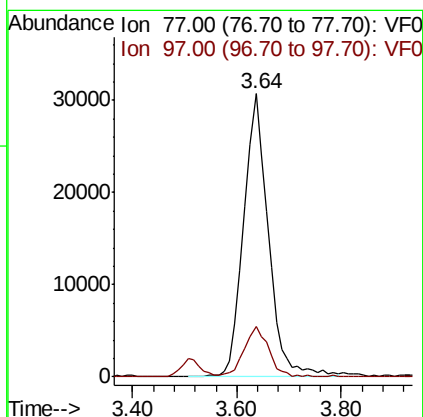
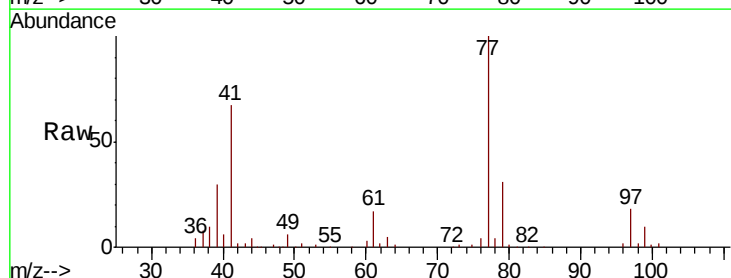
Acq: 26 Nov 2018 20:26

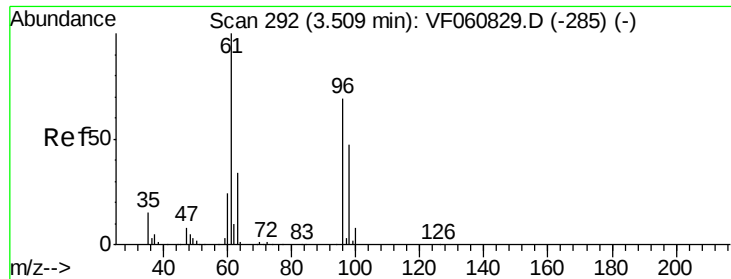
Tgt Ion: 77 Resp: 98563

Ion Ratio Lower Upper

77 100

97 17.9 8.6 25.8





#27

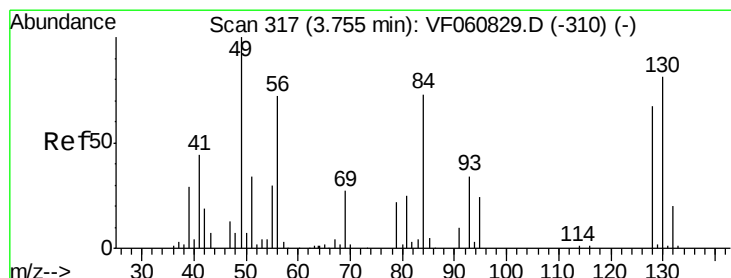
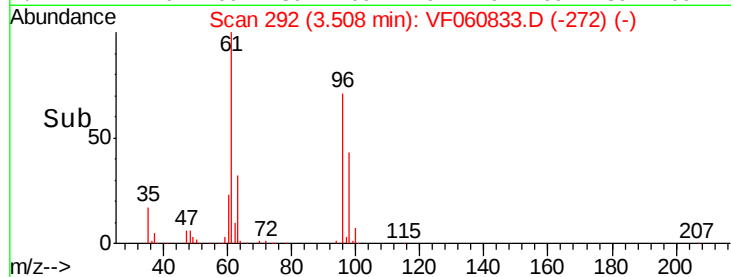
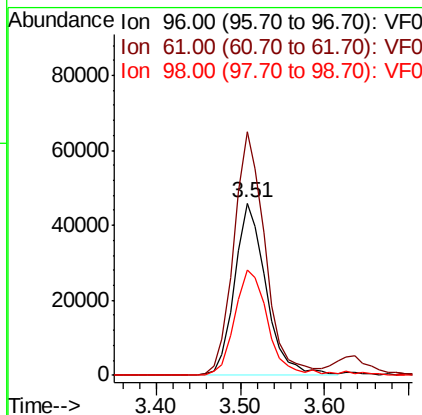
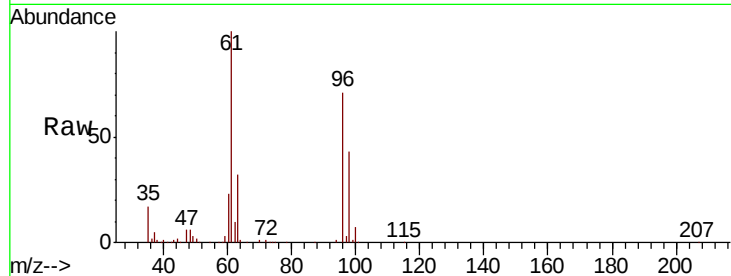
cis-1,2-Dichloroethene
 Concen: 46.786 ug/l
 RT: 3.51 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119953		
61	141.6		0.0	290.6
98	61.5		0.0	137.8

Manual Integrations
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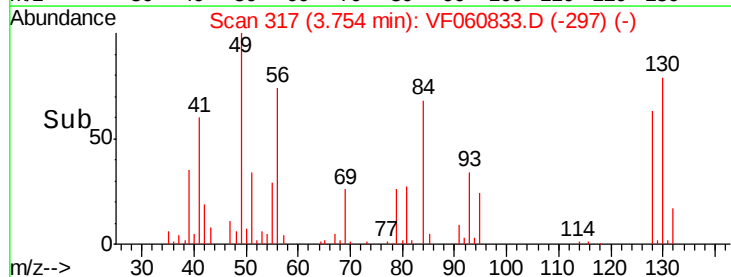
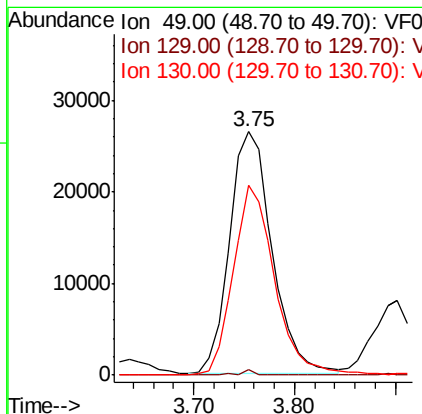
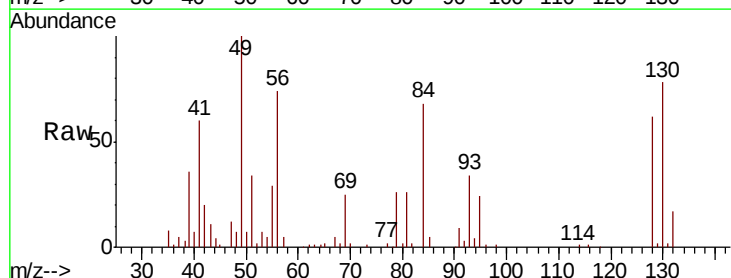
apatel
 11/27/2018 3:17:16 PM



#28

Bromochloromethane
 Concen: 49.223 ug/l
 RT: 3.75 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	77893		
129	2.1		0.0	4.4
130	78.0		64.2	96.4





#29

Tetrahydrofuran

Concen: 213.703 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

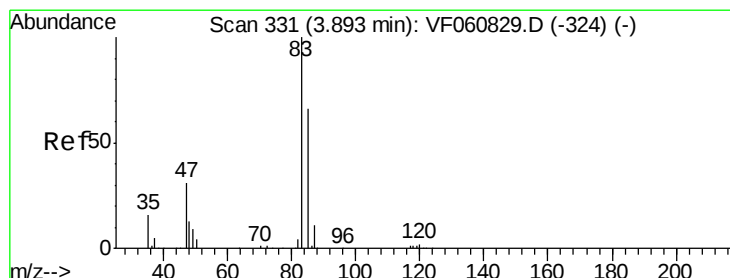
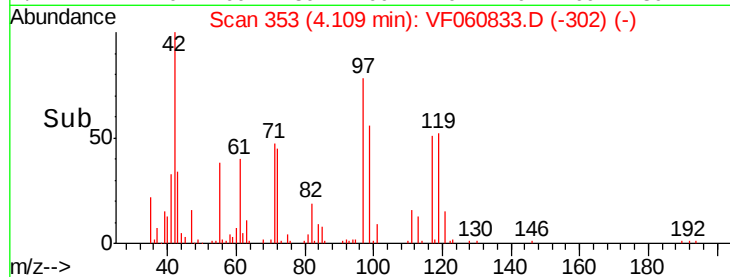
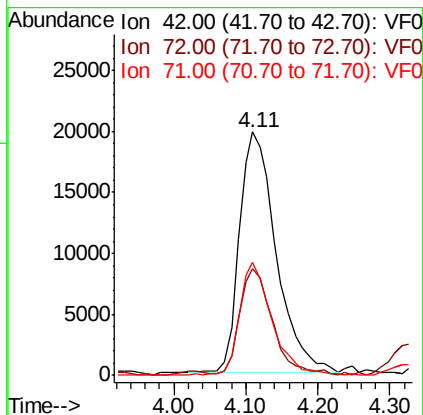
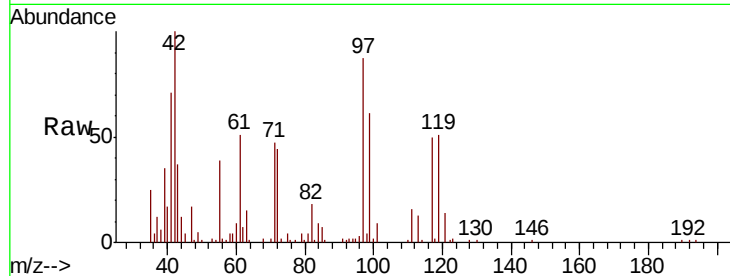
ClientSampleId :

ICVVF112618

Tot Ion:	42	Resp:	70219
Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.9	47.9
71	41.6	28.7	43.1

Manual Integrations
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#30

Chloroform

Concen: 45.026 ug/l

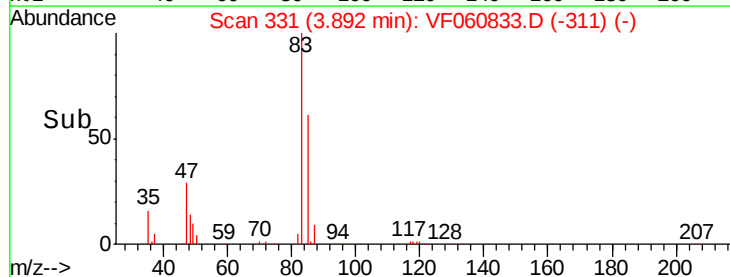
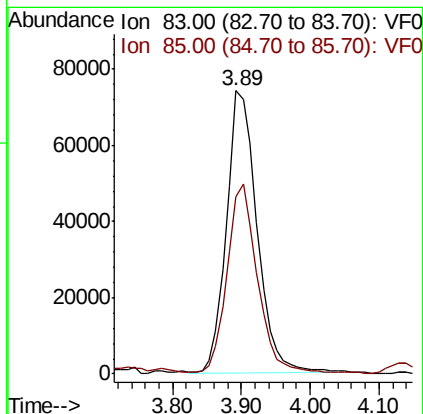
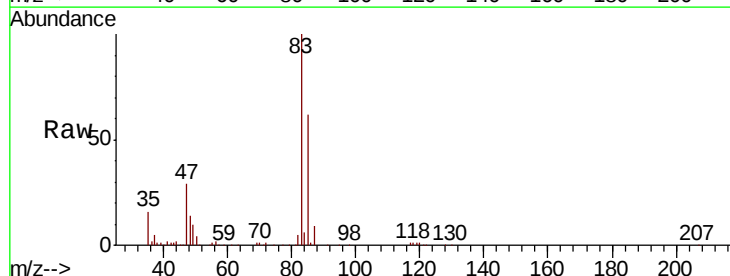
RT: 3.89 min Scan# 331

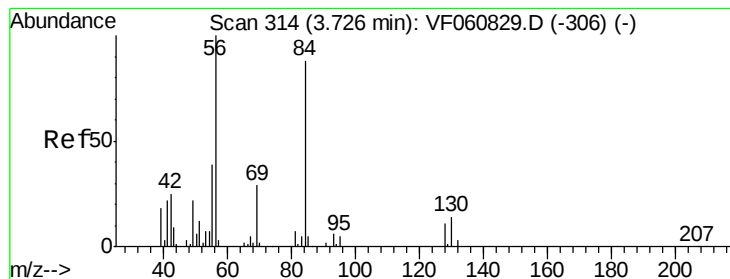
Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion:	83	Resp:	228497
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.4	80.2





#31

Cvclohexane

Concen: 46.784 ug/l

RT: 3.73 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

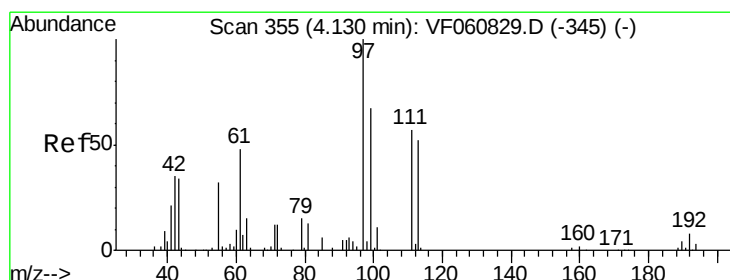
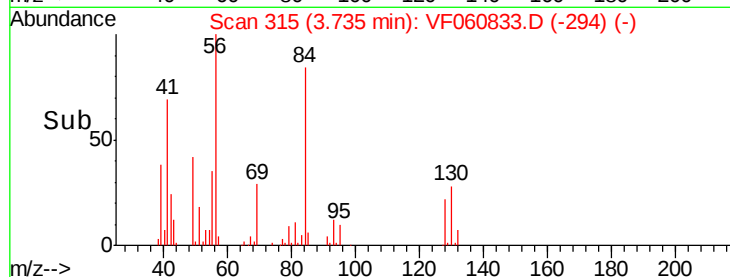
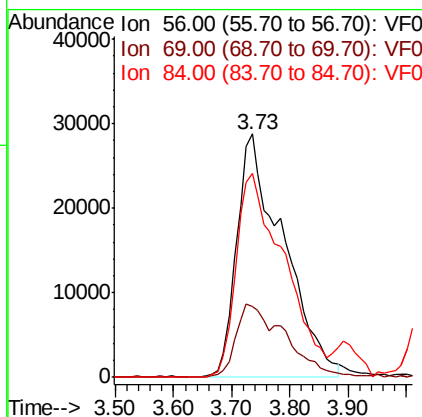
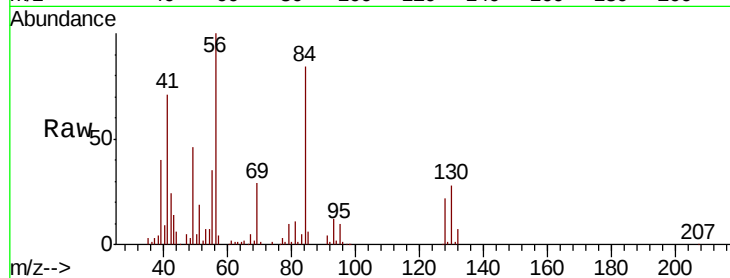
ClientSampleId :

ICVVF112618

Tot Ion:	56	Resp:	160097
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.0	34.4
84	84.0	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.666 ug/l

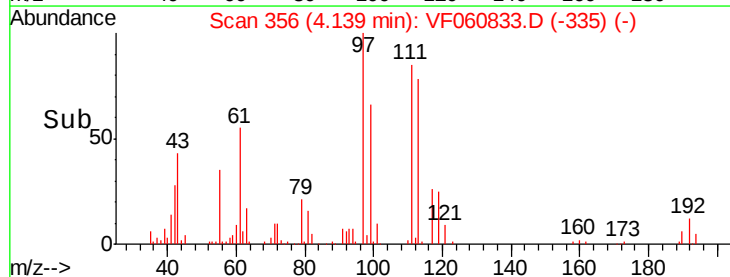
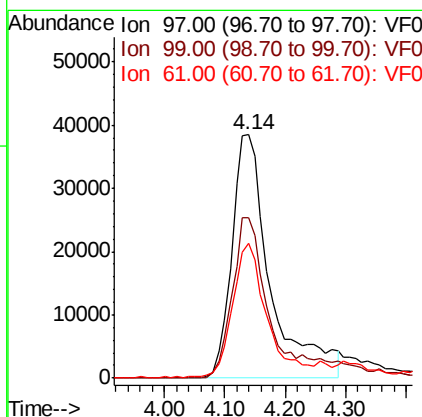
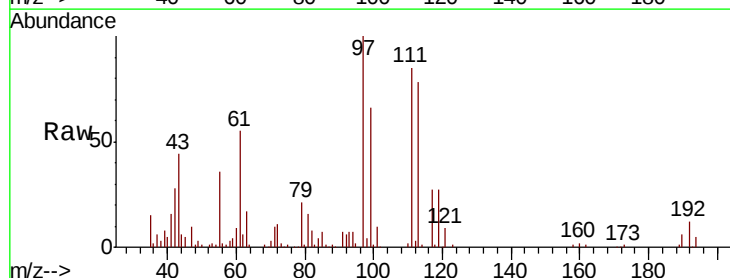
RT: 4.14 min Scan# 356

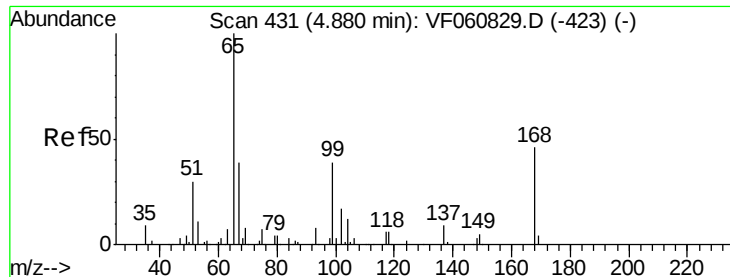
Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion:	97	Resp:	171280
Ion	Ratio	Lower	Upper
97	100		
99	65.9	53.5	80.3
61	55.2	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 52.037 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 65 Resp: 126466

Ion Ratio Lower Upper

65 100

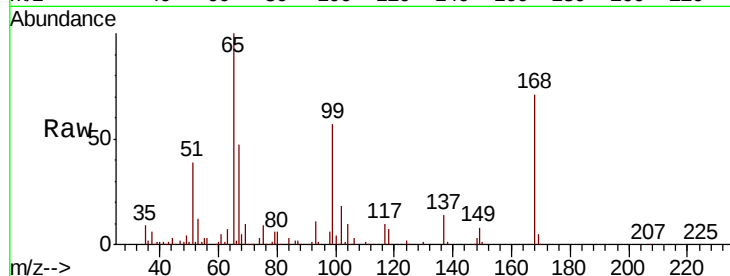
67 46.8 0.0 96.4

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

50000

40000

30000

20000

10000

0

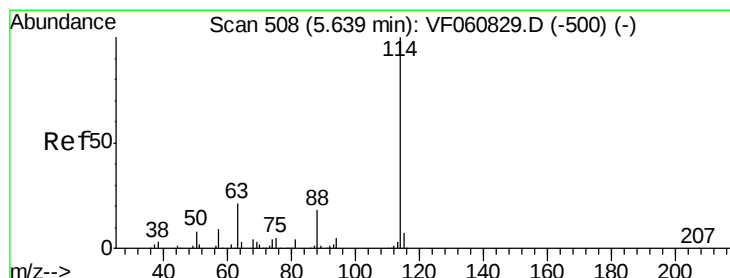
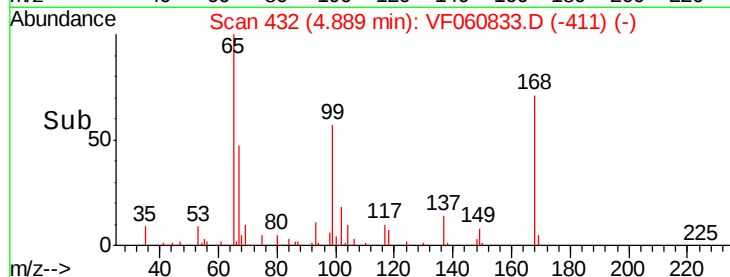
4.80

4.89

4.90

5.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

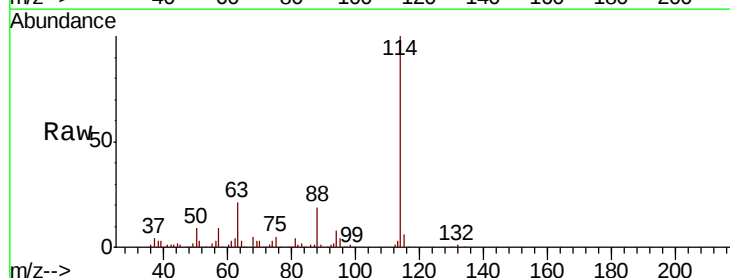
Tgt Ion: 114 Resp: 327576

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

88 18.8 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

100000

50000

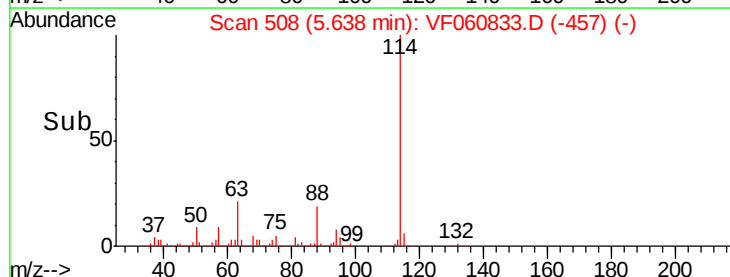
0

5.60

5.64

5.80

Time-->





#35

Dibromofluoromethane

Concen: 51.456 ug/l

RT: 4.16 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

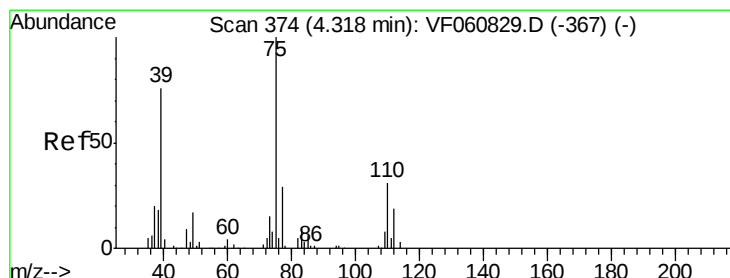
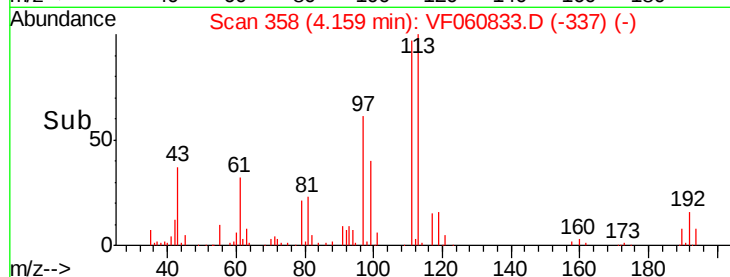
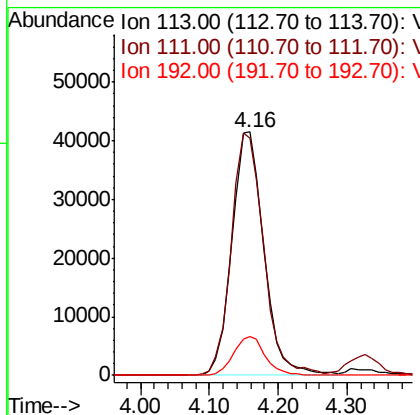
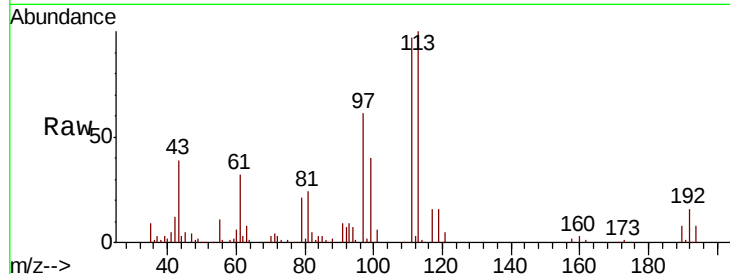
ClientSampleId :

ICVVF112618

Tot Ion:	113	Resp:	133722
Ion Ratio	Lower	Upper	
113	100		
111	97.3	83.0	124.6
192	16.2	12.3	18.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.682 ug/l

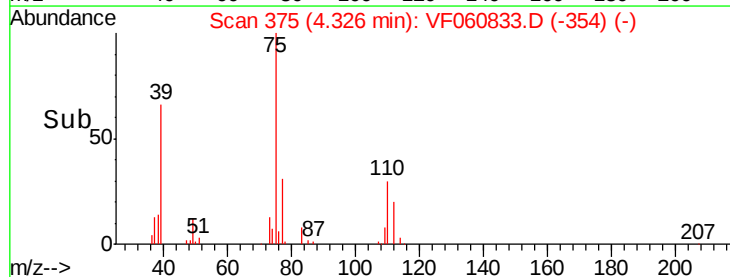
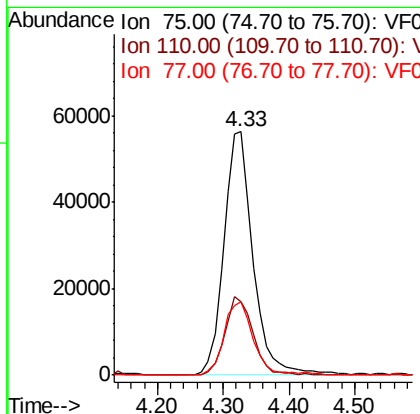
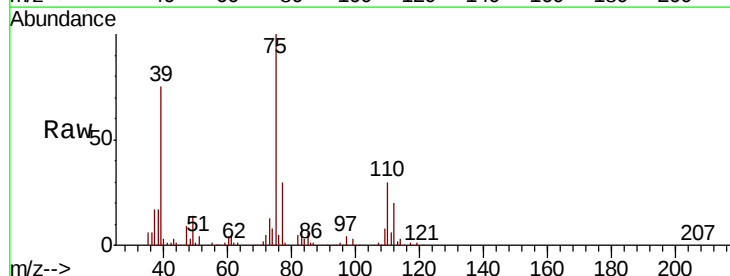
RT: 4.33 min Scan# 375

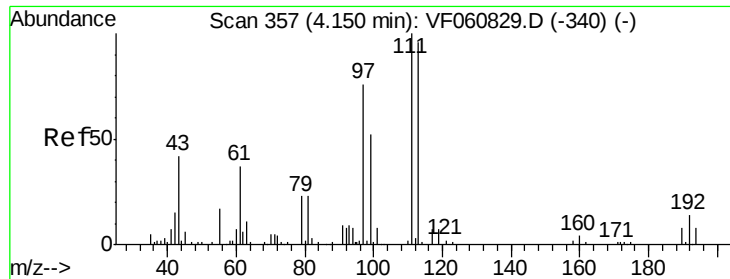
Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion:	75	Resp:	173245
Ion Ratio	Lower	Upper	
75	100		
110	30.3	15.6	46.8
77	30.4	23.4	35.0





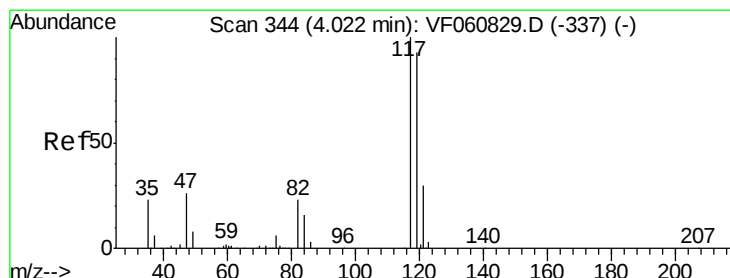
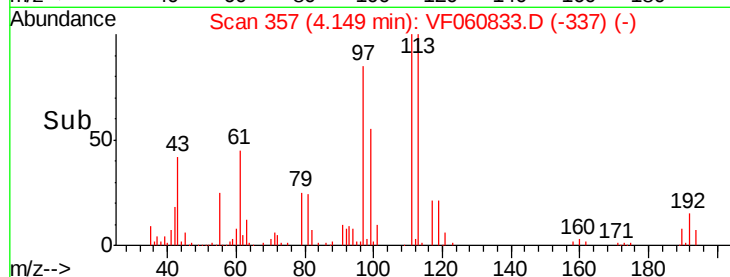
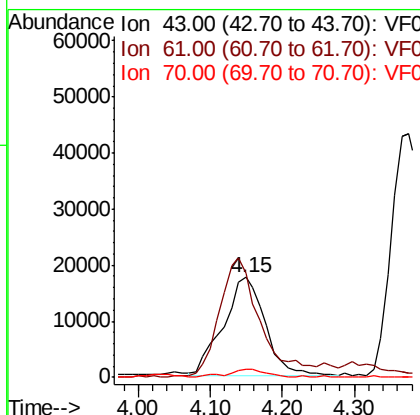
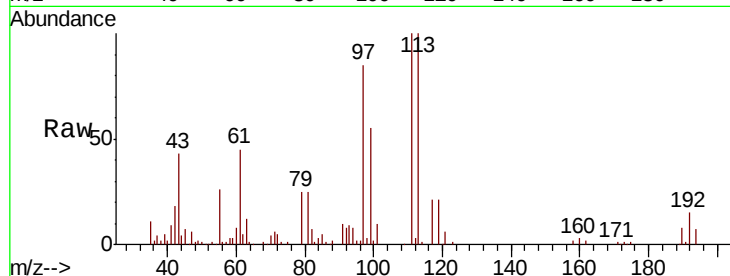
#37
Ethyl Acetate
Concen: 47.268 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion	Ratio	Lower	Upper
43	100		
61	104.3	68.6	103.0#
70	8.5	9.0	13.4#

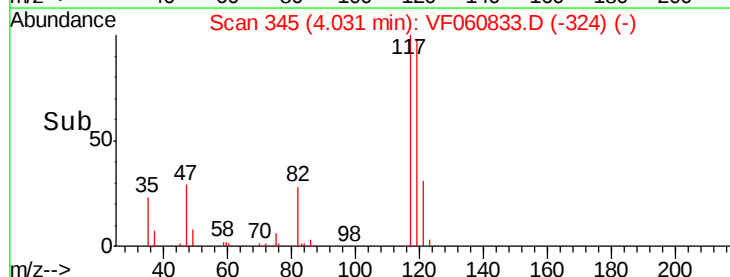
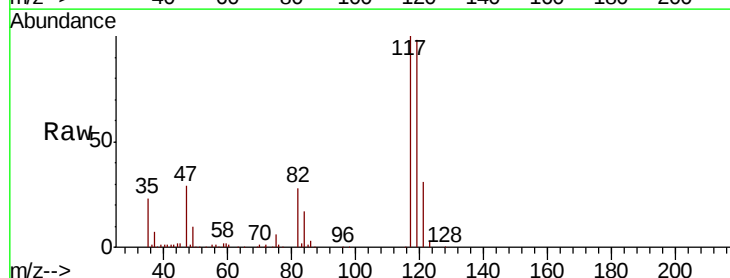
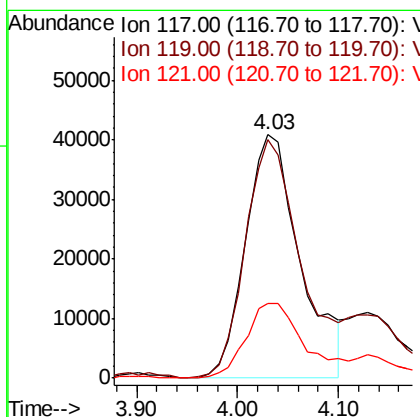
Manual Integrations
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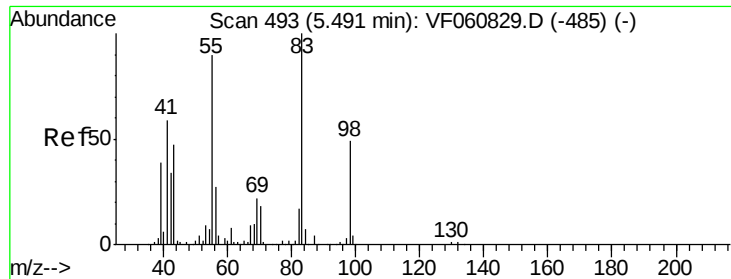
apatel
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#38
Carbon Tetrachloride
Concen: 48.129 ug/l
RT: 4.03 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.4	111.6
121	30.8	23.5	35.3





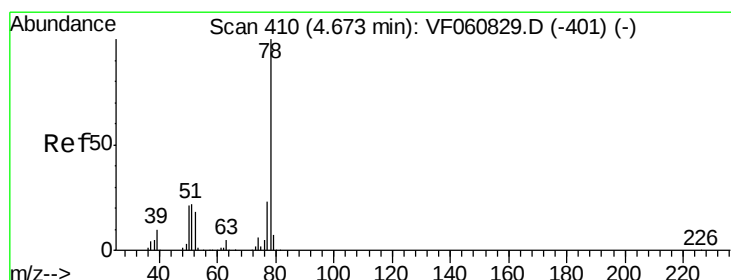
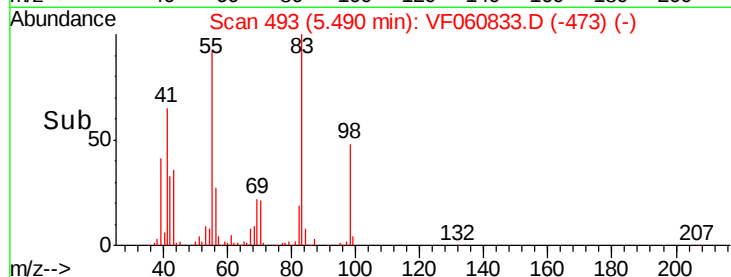
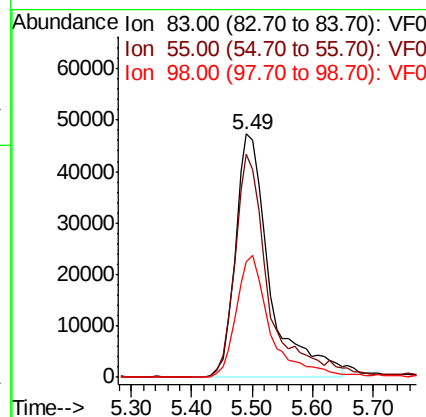
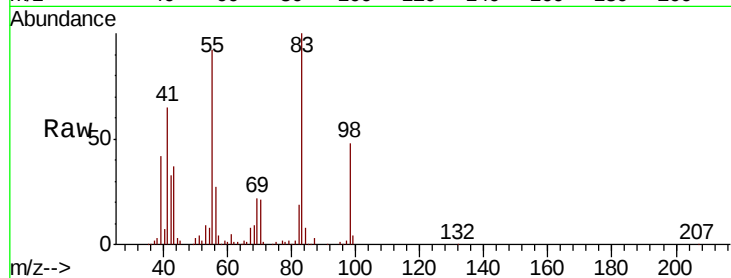
#39
Methvlcvclohexane
Concen: 49.216 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.9	72.1	108.1
98	47.7	39.1	58.7

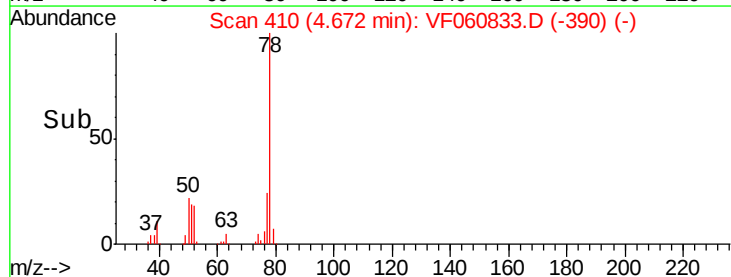
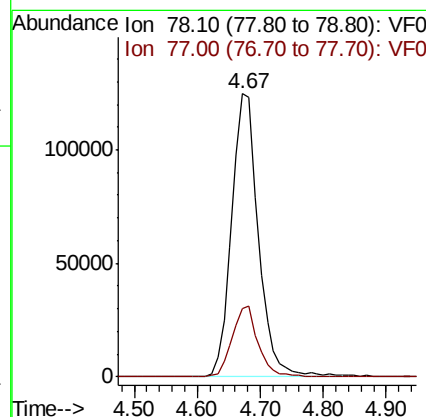
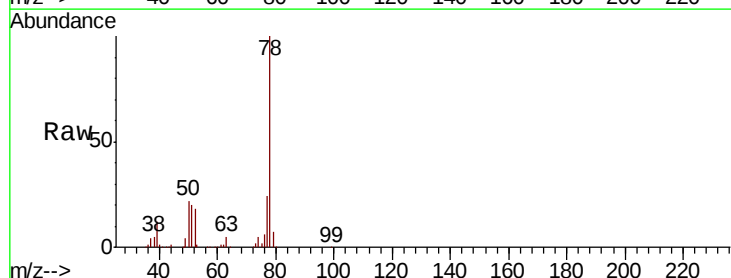
Manual Integrations
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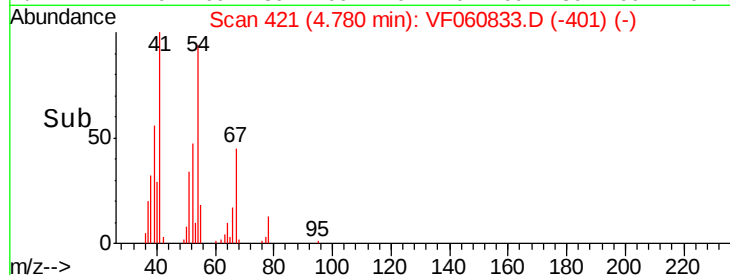
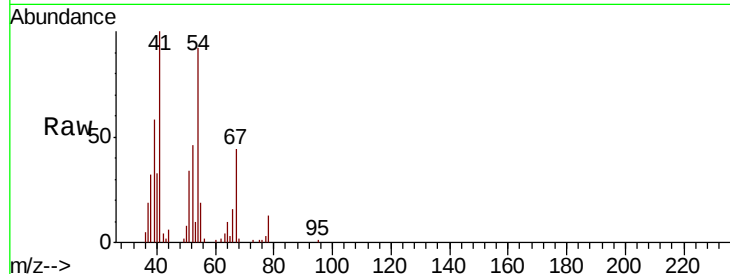
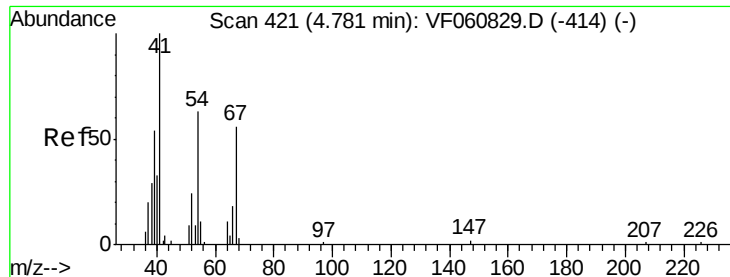
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#40
Benzene
Concen: 45.711 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1





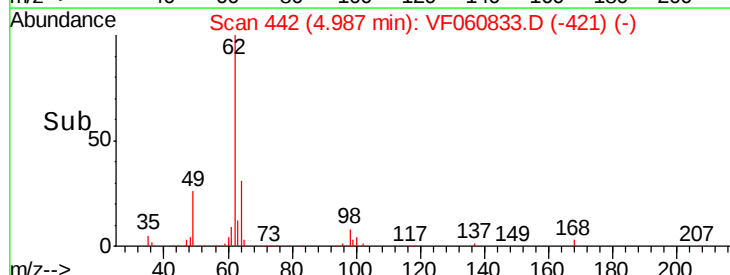
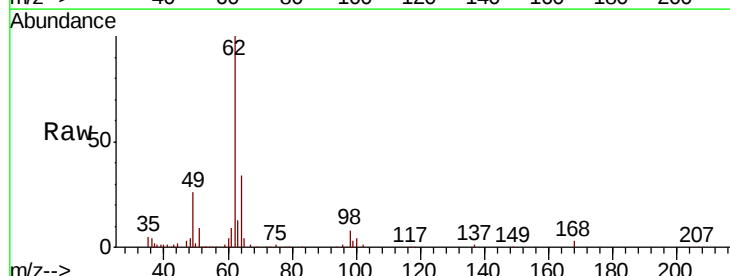
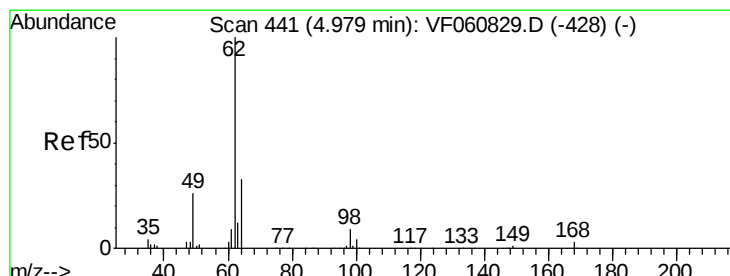
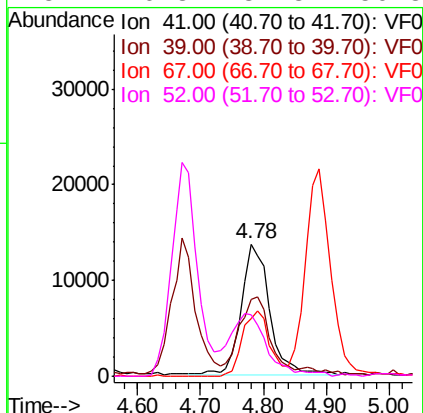
#41
Methacrylonitrile
Concen: 55.519 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tot Ion	Ion	Ratio	Lower	Upper
42115	41	100		
	39	57.9	53.0	79.6
	67	43.8	43.8	65.6
	52	46.3	37.8	56.8

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

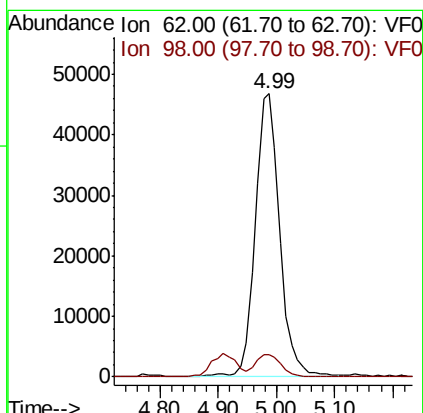
Manual Integrations
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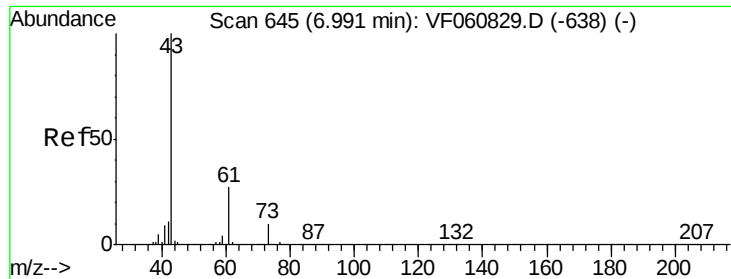
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#42
1,2-Dichloroethane
Concen: 47.430 ug/l
RT: 4.99 min Scan# 442
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	Ion	Ratio	Lower	Upper
138990	62	100		
	98	8.1	0.0	17.2





#43

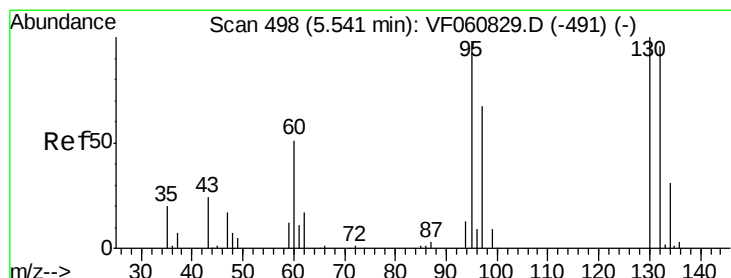
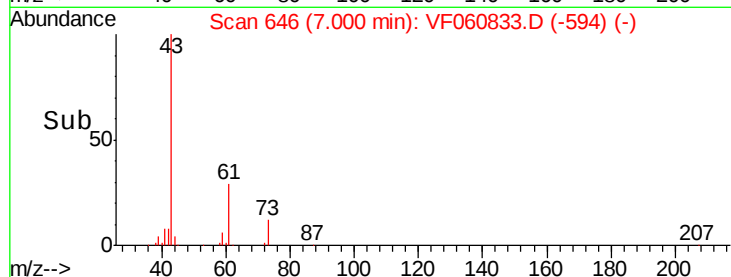
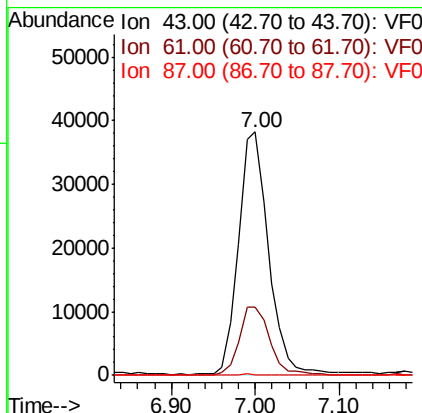
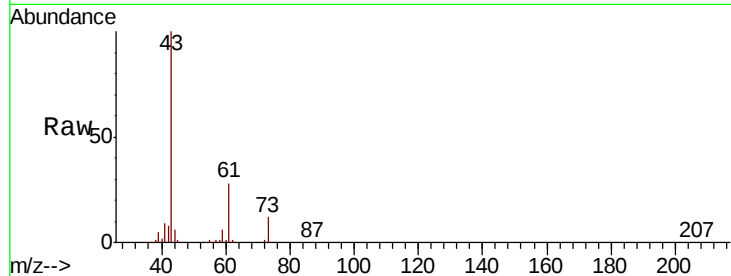
Isopropyl Acetate
 Concen: 52.345 ug/l
 RT: 7.00 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Tot Ion	43	Resp	95127
Ion Ratio	100	Lower	Upper
43	100		
61	28.1	21.4	32.0
87	0.3	0.2	0.4

Manual Integrations
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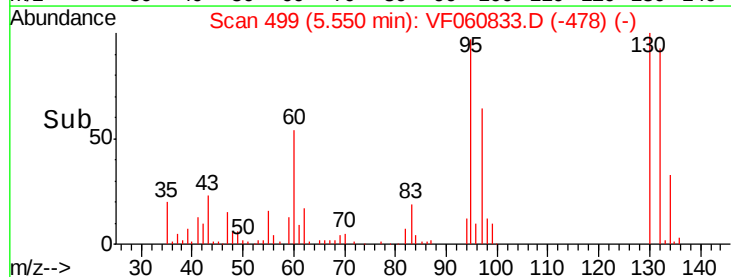
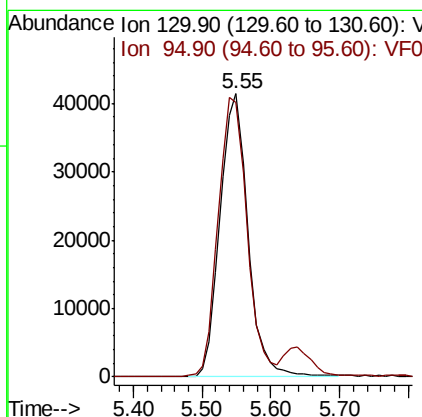
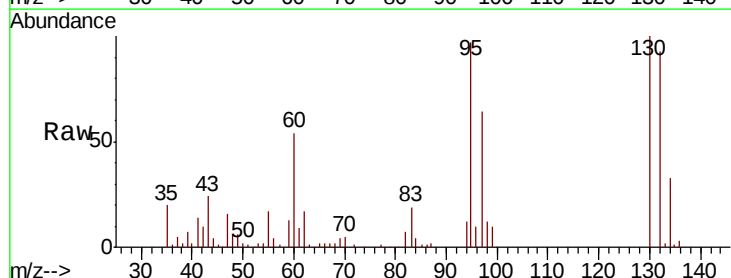
apatel
 11/27/2018 3:17:16 PM

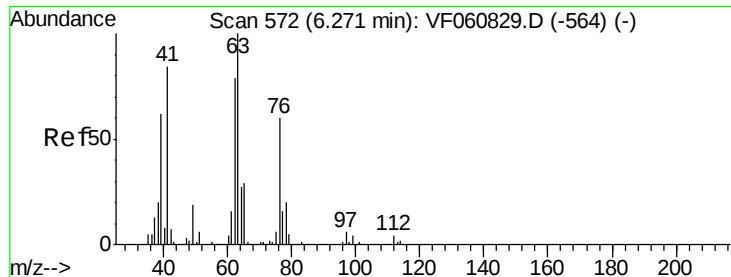


#44

Trichloroethene
 Concen: 44.542 ug/l
 RT: 5.55 min Scan# 499
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion	130	Resp	116902
Ion Ratio	100	Lower	Upper
130	100		
95	97.0	0.0	195.6





#45

1,2-Dichloropropane

Concen: 51.964 ug/l

RT: 6.28 min Scan# 573

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 63 Resp: 108328

Ion Ratio Lower Upper

63 100

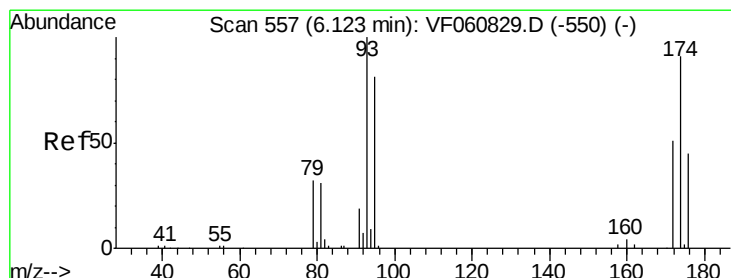
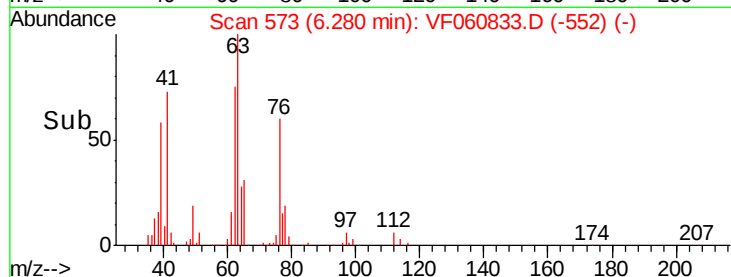
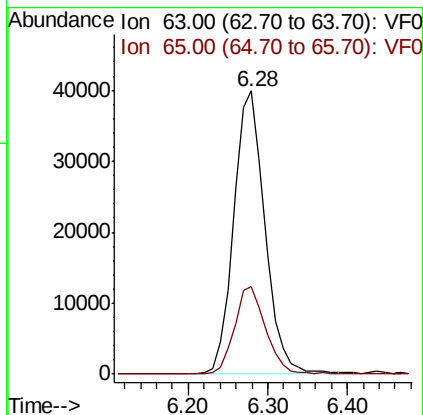
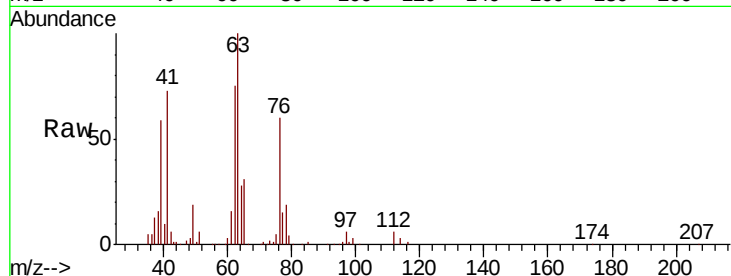
65 30.8 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 50.470 ug/l

RT: 6.13 min Scan# 558

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

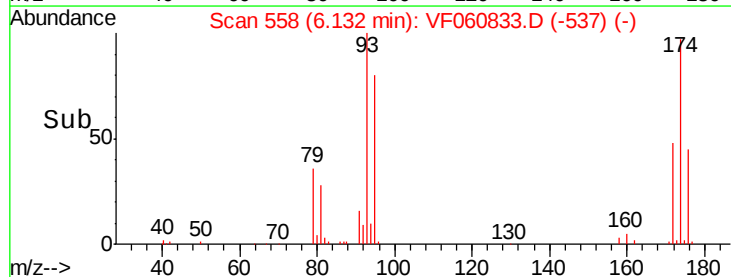
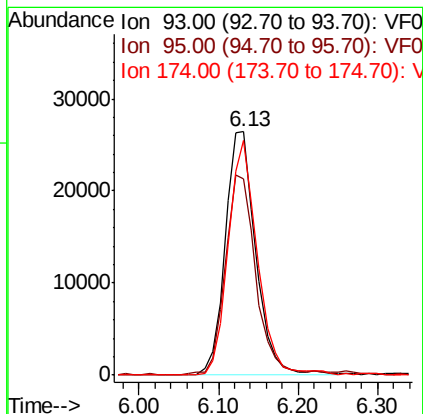
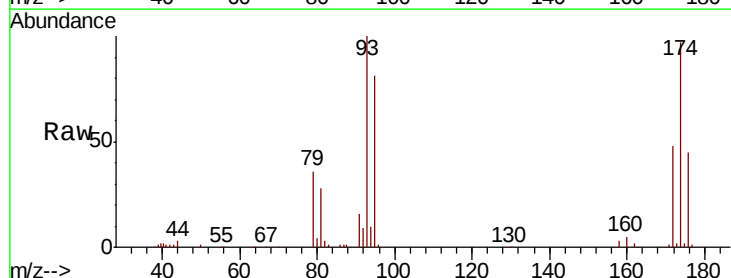
Tgt Ion: 93 Resp: 71374

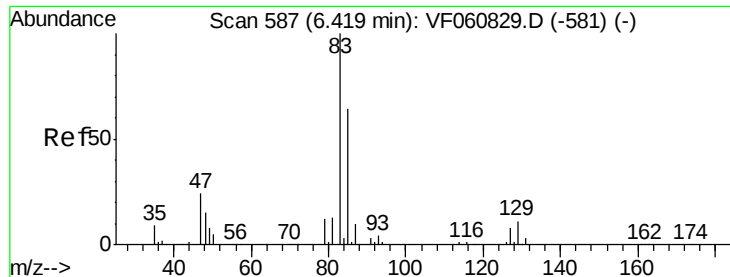
Ion Ratio Lower Upper

93 100

95 80.7 64.7 97.1

174 98.4 73.0 109.6





#47

Bromodichloromethane

Concen: 48.891 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

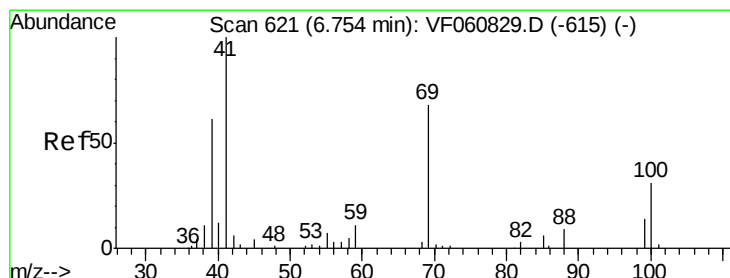
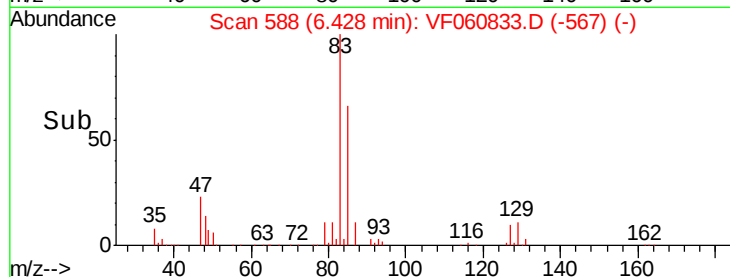
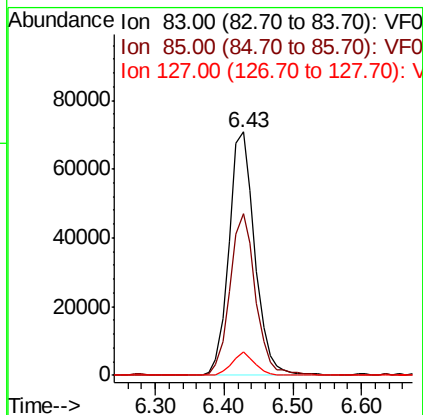
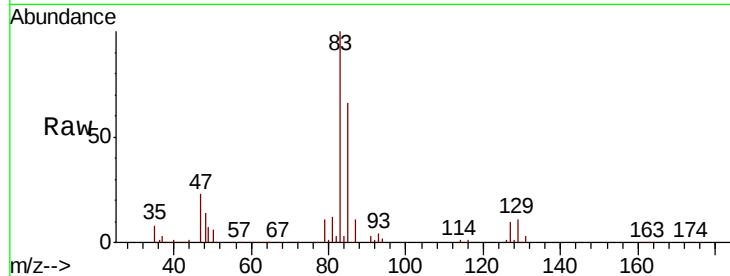
ClientSampleId :

ICVVF112618

Tot Ion:	83	Resp:	183636
Ion Ratio	Lower	Upper	
83	100		
85	66.3	51.1	76.7
127	9.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.711 ug/l

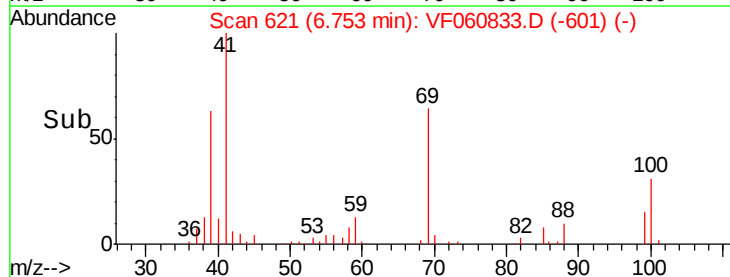
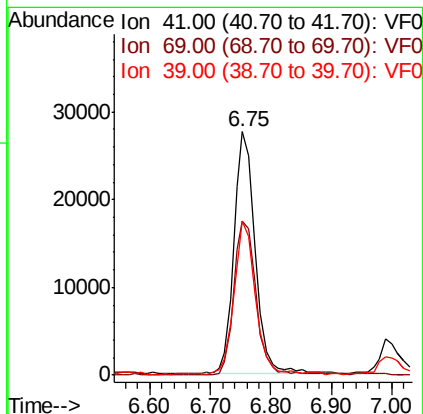
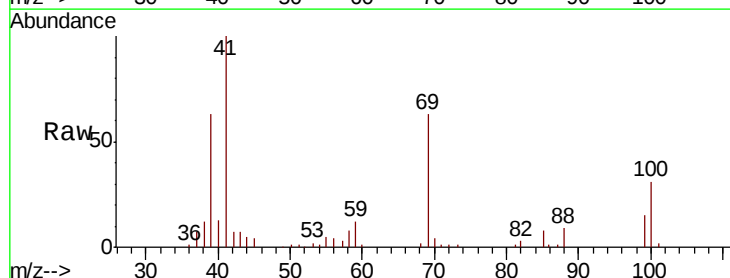
RT: 6.75 min Scan# 621

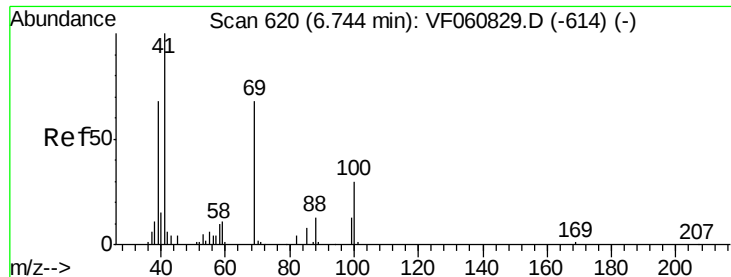
Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion:	41	Resp:	67775
Ion Ratio	Lower	Upper	
41	100		
69	63.0	53.9	80.9
39	63.1	49.0	73.6





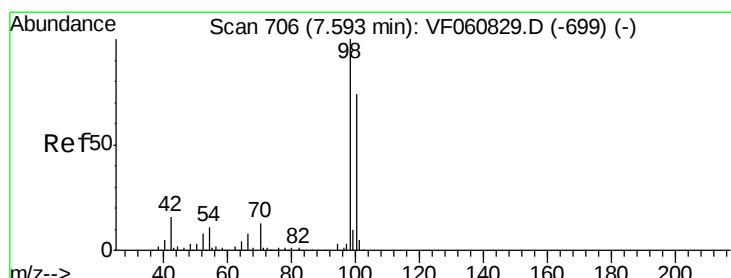
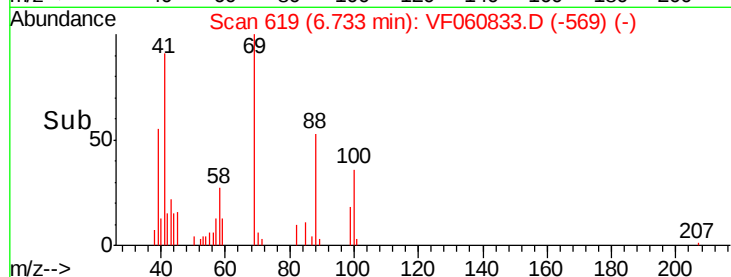
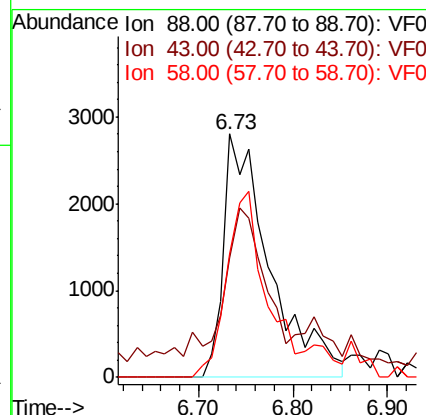
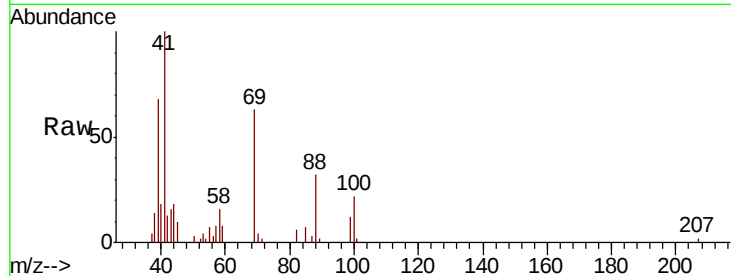
#49
1,4-Dioxane
Concen: 970.620 ug/l
RT: 6.73 min Scan# 619
Delta R.T. -0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.1	42.0	63.0
58	50.4	61.8	92.8#

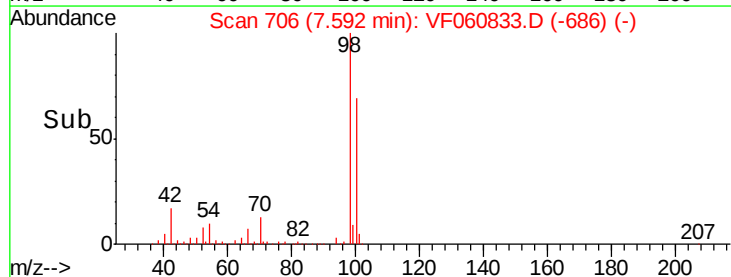
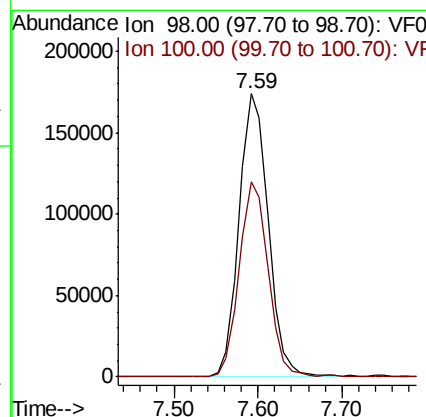
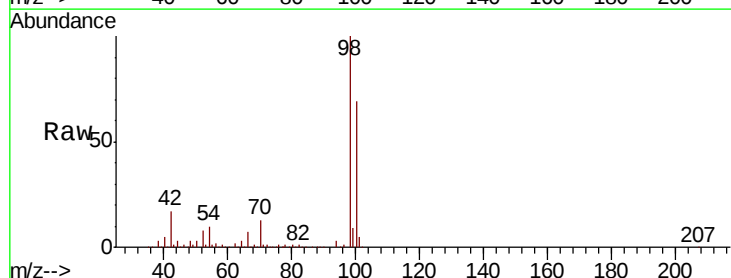
Manual Integrations
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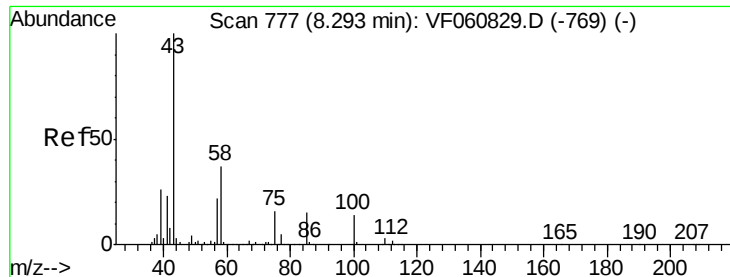
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#50
Toluene-d8
Concen: 55.052 ug/l
RT: 7.59 min Scan# 706
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.0	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 241.712 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 43 Resp: 329108

Ion Ratio Lower Upper

43 100

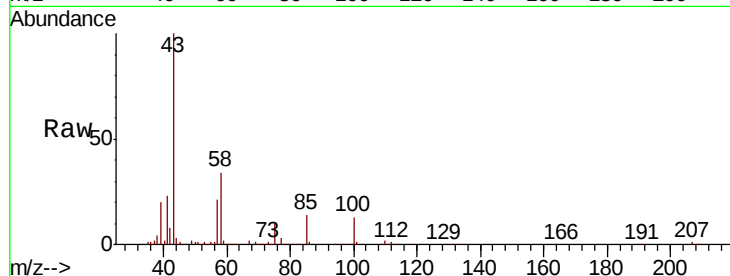
58 34.2 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

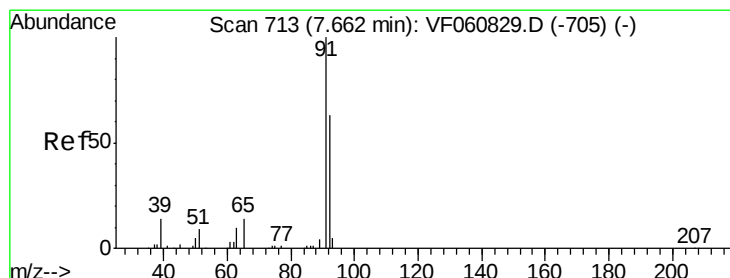
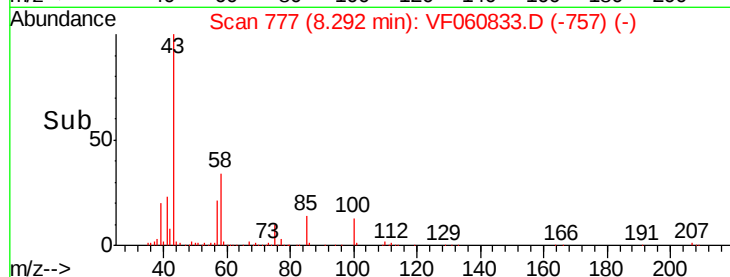
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 46.525 ug/l

RT: 7.67 min Scan# 714

Delta R.T. 0.01 min

Lab File: VF060833.D

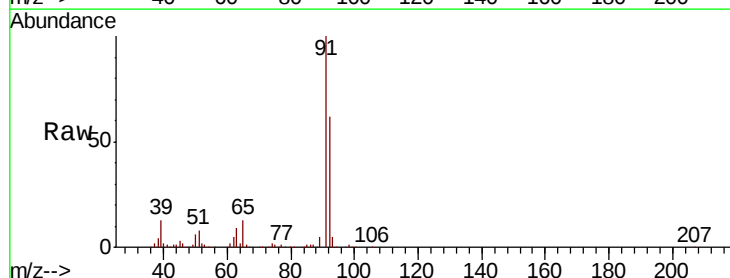
Acq: 26 Nov 2018 20:26

Tgt Ion: 92 Resp: 262314

Ion Ratio Lower Upper

92 100

91 160.5 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

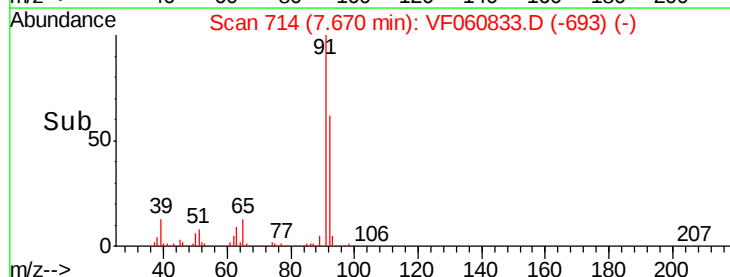
100000

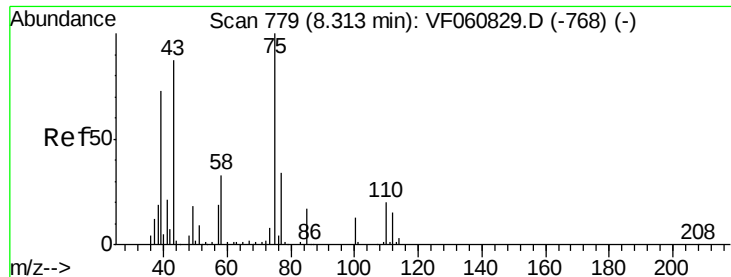
50000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.539 ug/l

RT: 8.32 min Scan# 780

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 75 Resp: 148297

Ion Ratio Lower Upper

75 100

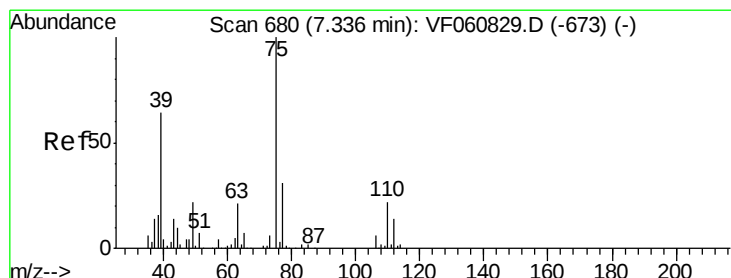
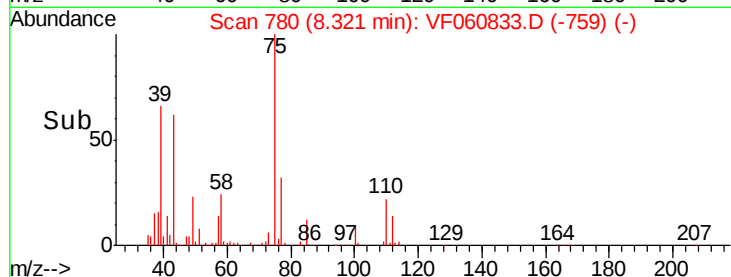
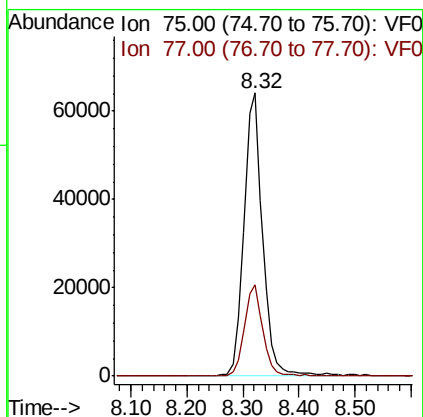
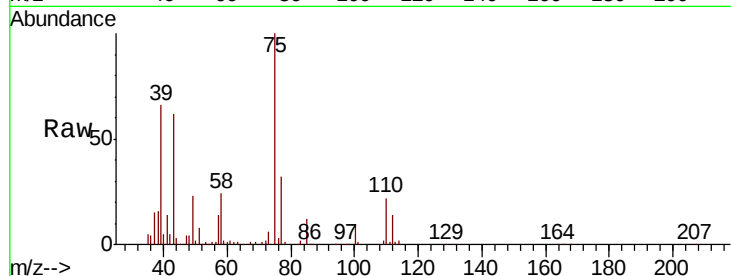
77 32.2 27.4 41.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.849 ug/l

RT: 7.34 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

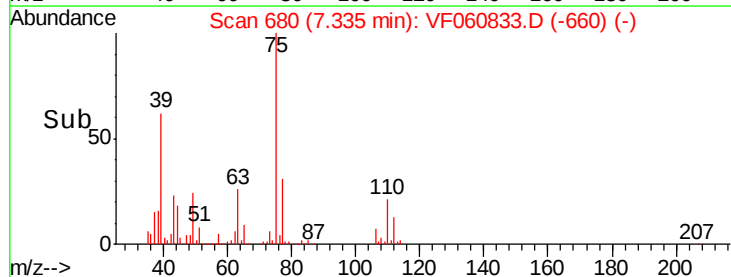
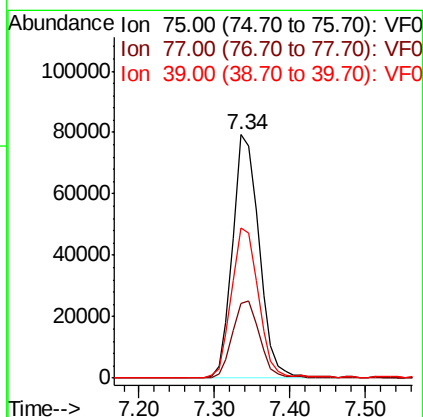
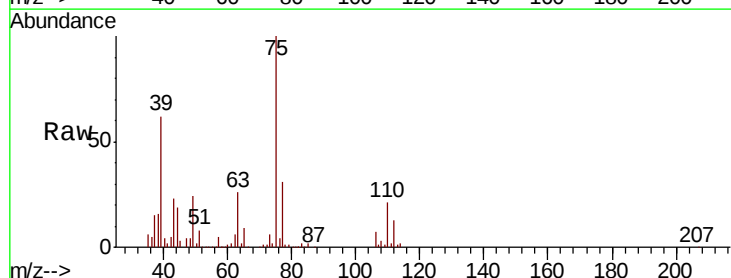
Tgt Ion: 75 Resp: 192327

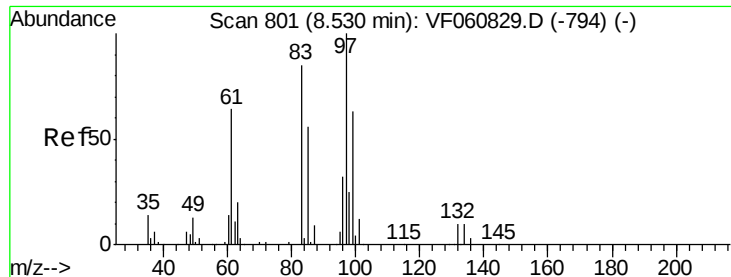
Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.6

39 61.8 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 50.316 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

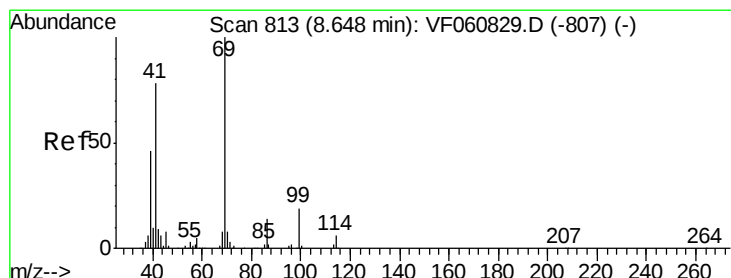
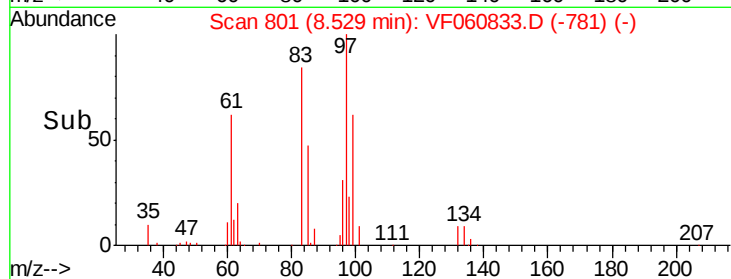
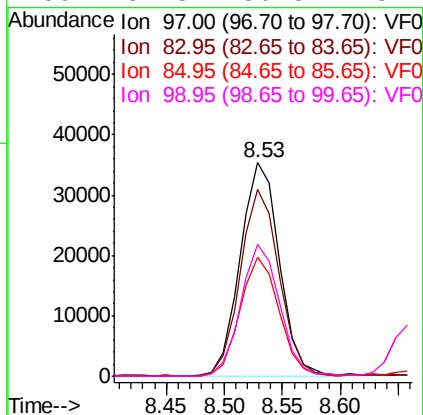
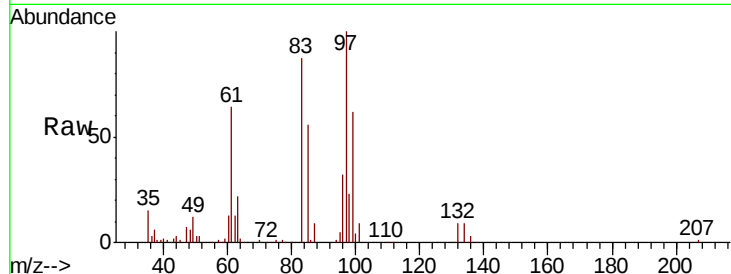
ClientSampleId :

ICVVF112618

Tot Ion:	97	Resp:	82663
Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.8	101.6
85	56.0	45.0	67.6
99	61.8	50.5	75.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.768 ug/l

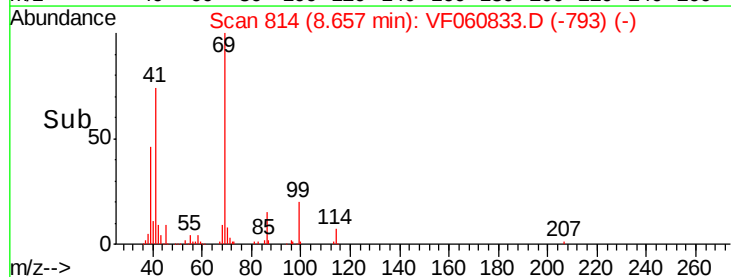
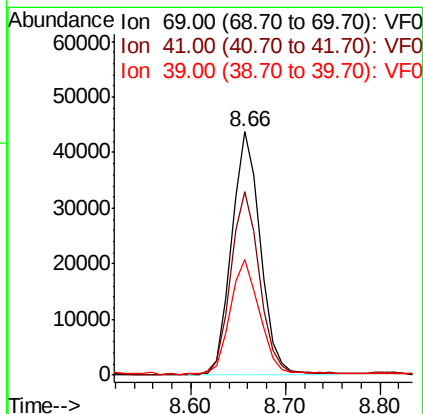
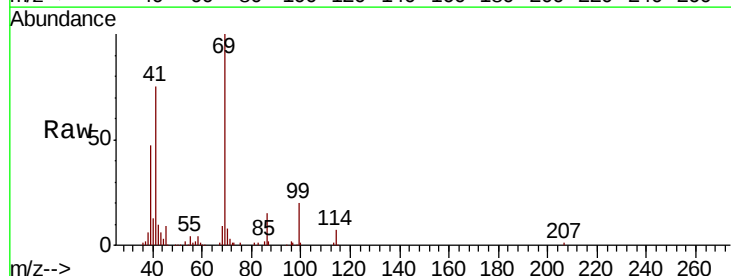
RT: 8.66 min Scan# 814

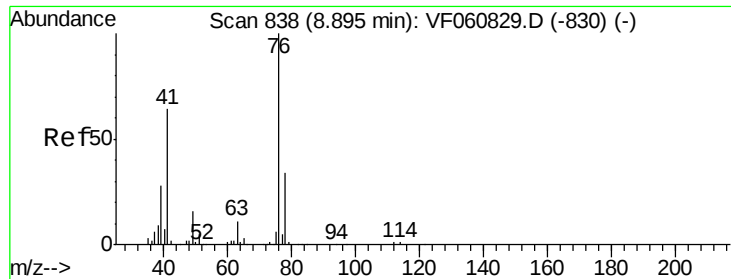
Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion:	69	Resp:	92654
Ion	Ratio	Lower	Upper
69	100		
41	75.3	62.6	94.0
39	47.3	37.8	56.6





#57

1,3-Dichloropropane

Concen: 49.969 ug/l

RT: 8.89 min Scan# 838

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 76 Resp: 143627

Ion Ratio Lower Upper

76 100

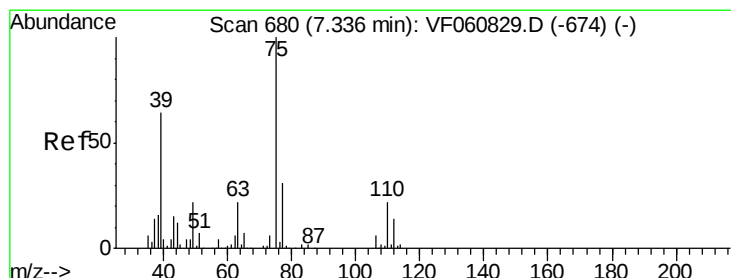
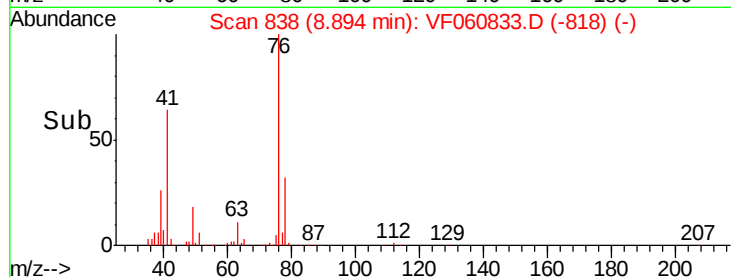
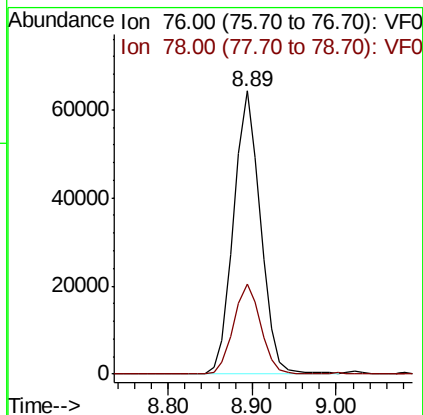
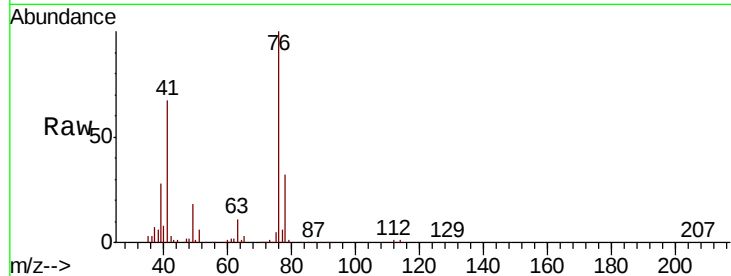
78 32.0 27.0 40.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 247.965 ug/l

RT: 7.34 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060833.D

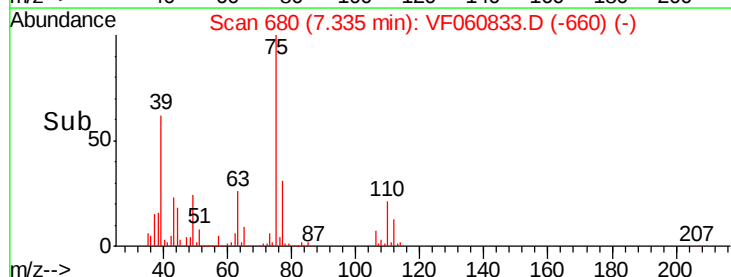
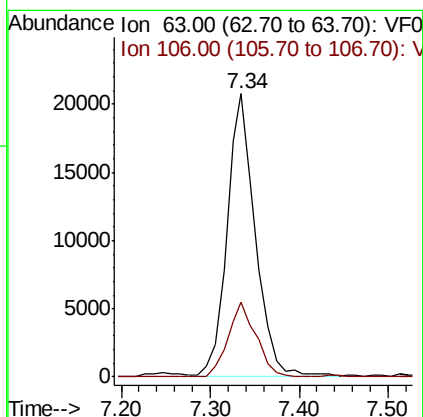
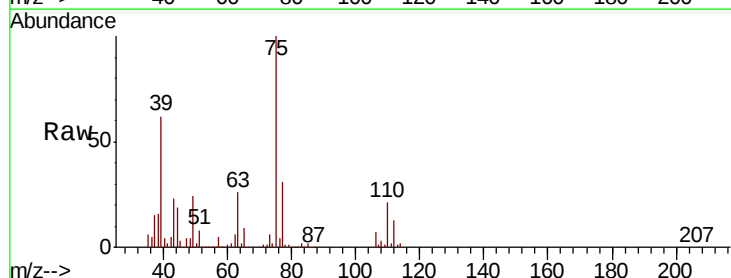
Acq: 26 Nov 2018 20:26

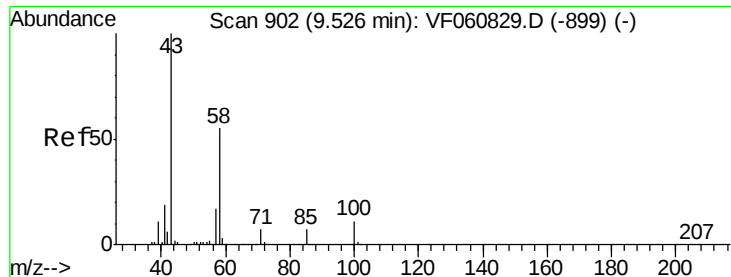
Tgt Ion: 63 Resp: 46289

Ion Ratio Lower Upper

63 100

106 26.5 23.0 34.6





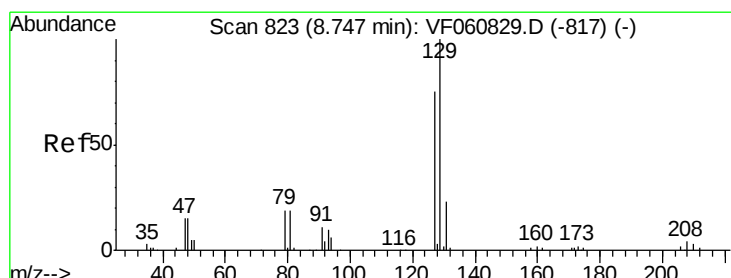
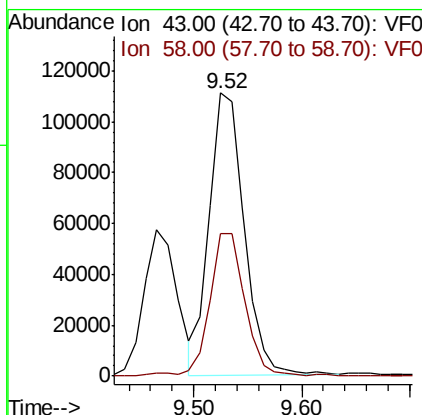
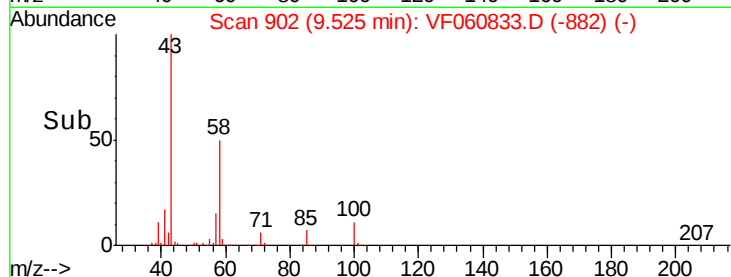
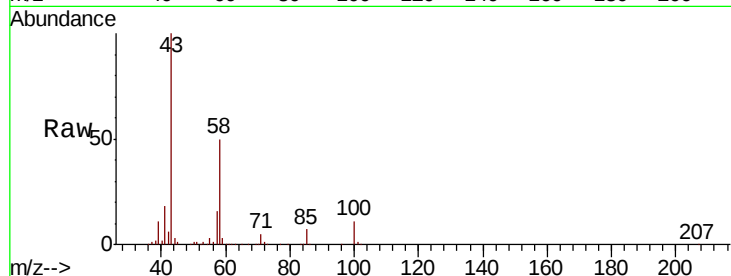
#59
2-Hexanone
Concen: 259.647 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion	43	Resp	248022
Ion Ratio	100	Lower	Upper
43	100		
58	50.4	25.6	76.6

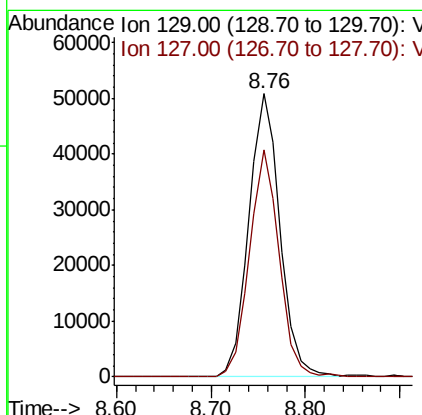
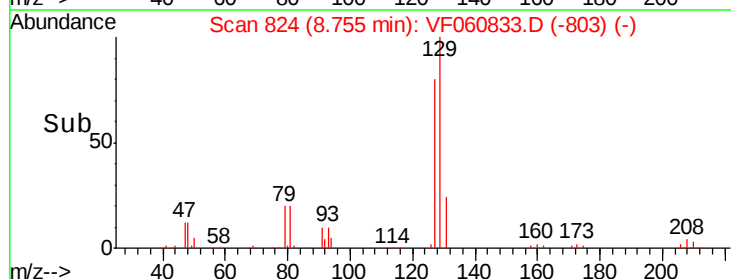
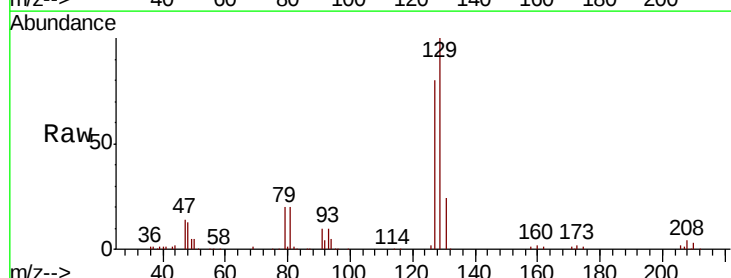
Manual Integrations
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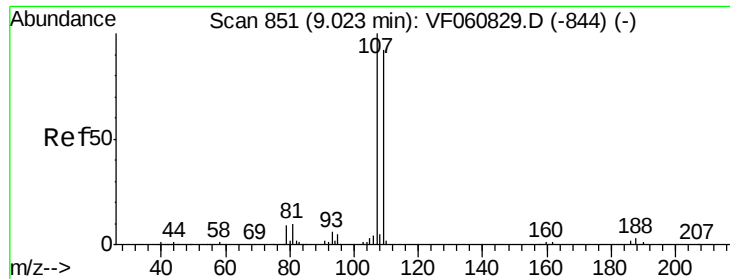
apatel
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#60
Dibromochloromethane
Concen: 47.470 ug/l
RT: 8.76 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	129	Resp	116199
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	100		
127	80.4	37.3	111.9





#61

1,2-Dibromoethane

Concen: 51.246 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion:107 Resp: 90951

Ion Ratio Lower Upper

107 100

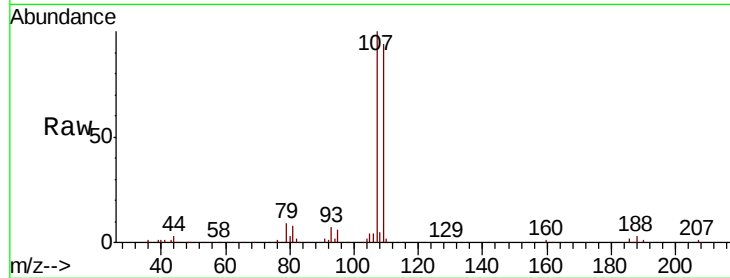
109 93.6 73.6 110.4

Manual Integrations

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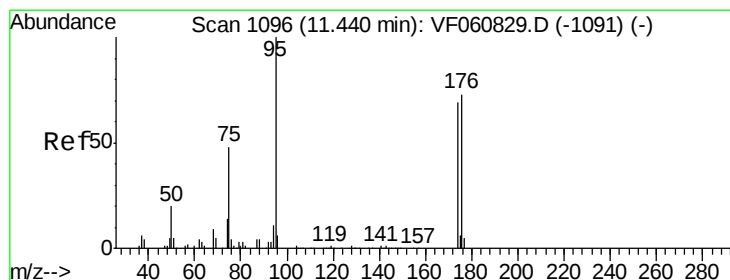
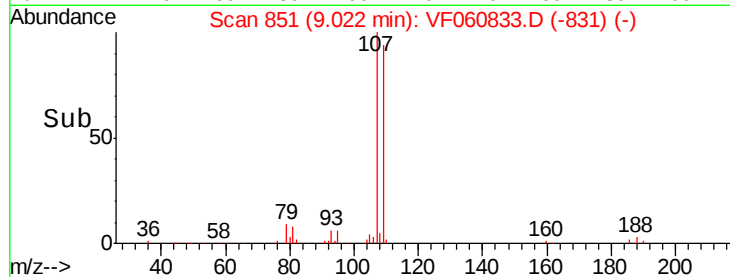
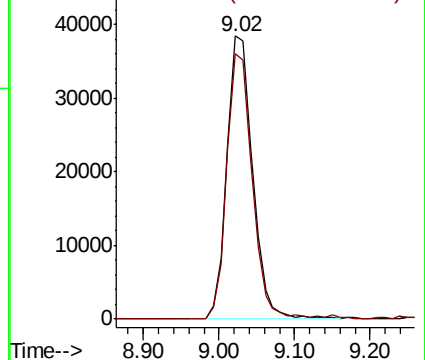
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.025 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

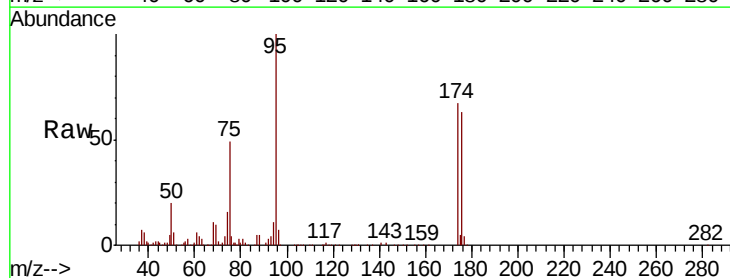
Tgt Ion: 95 Resp: 187959

Ion Ratio Lower Upper

95 100

174 66.7 0.0 138.2

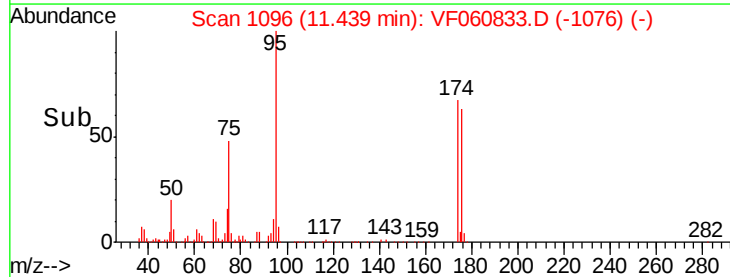
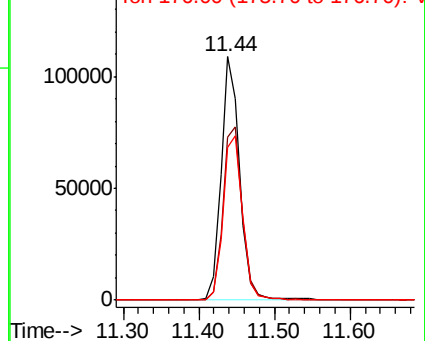
176 63.0 0.0 146.2

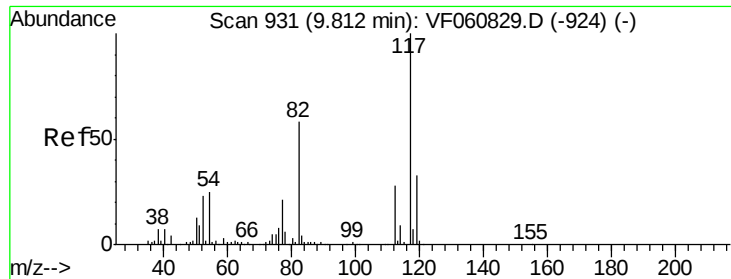


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





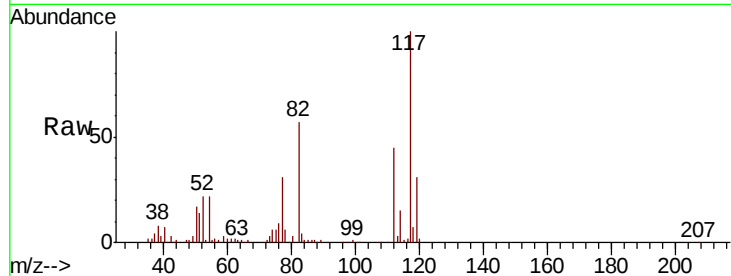
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion	Ratio	Resp	Lower	Upper
117	100	325604		
82	56.7	46.6	69.8	
119	31.4	26.4	39.6	

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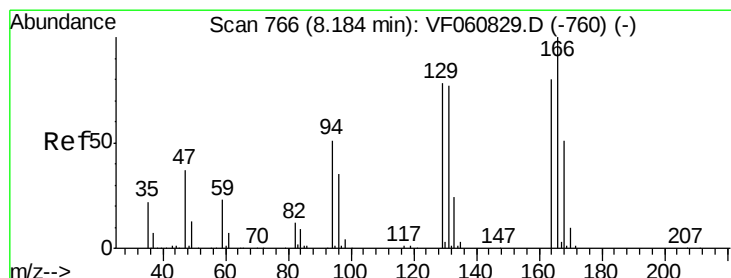
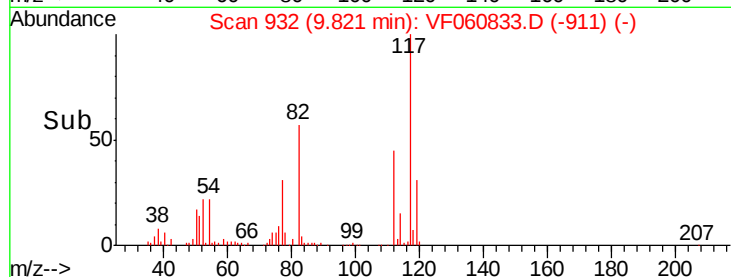
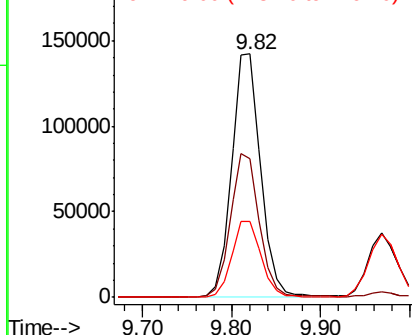


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 47.299 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117632		
166	133.9	100.3	150.5	
129	102.8	77.9	116.9	
131	96.6	77.5	116.3	

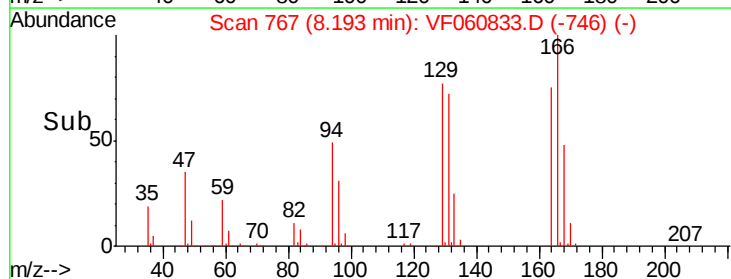
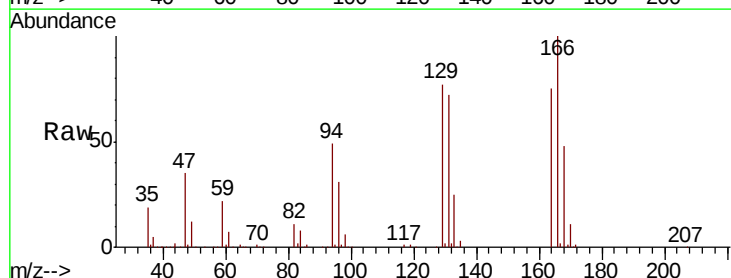
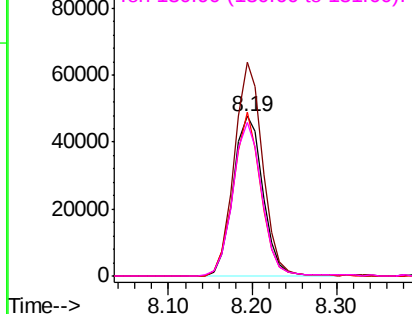
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





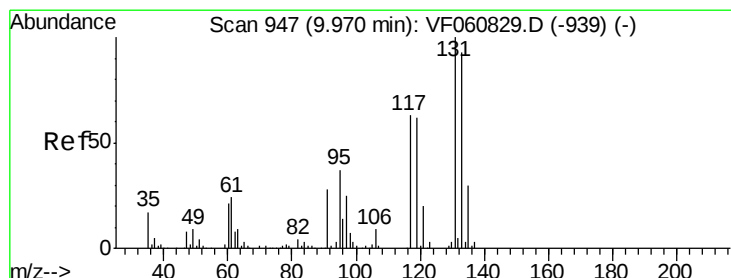
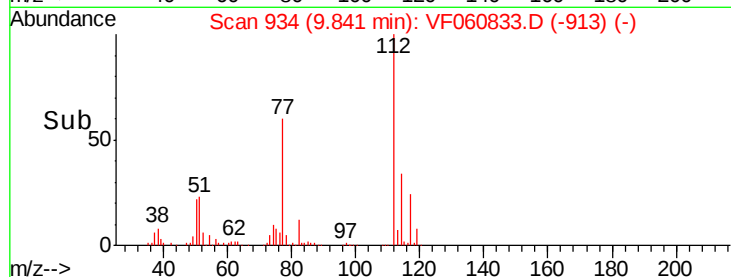
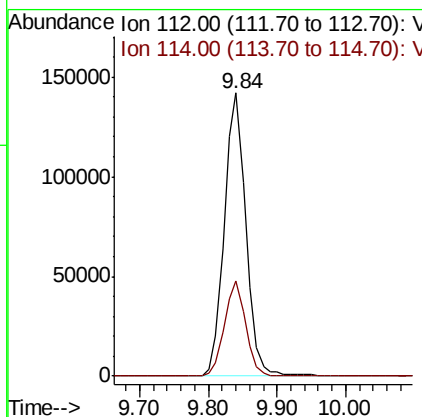
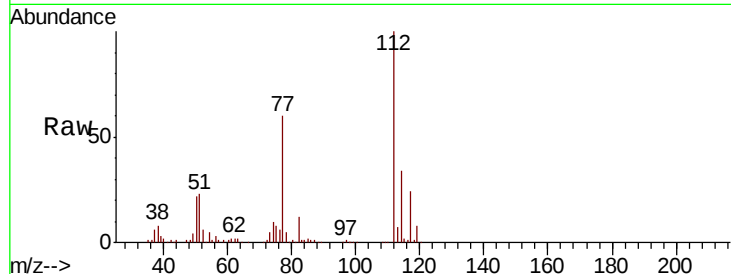
#65
Chlorobenzene
Concen: 48.693 ug/l
RT: 9.84 min Scan# 934
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	26.0	39.0

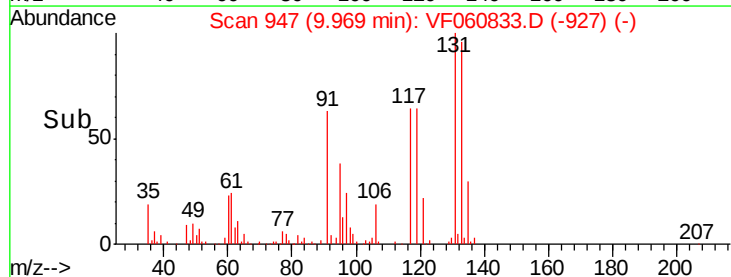
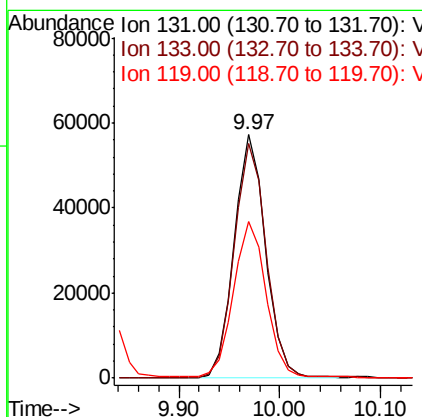
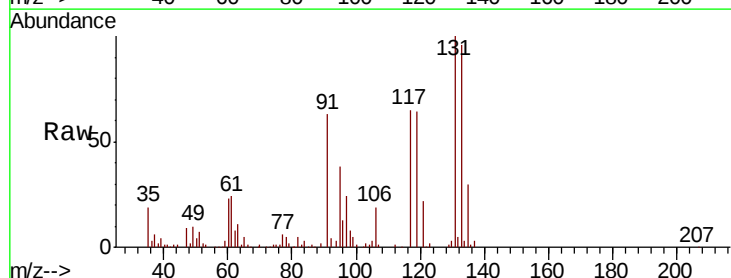
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.706 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	46.5	139.3
119	64.5	31.1	93.3





#67

Ethyl Benzene

Concen: 48.697 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 91 Resp: 574258

Ion Ratio Lower Upper

91 100

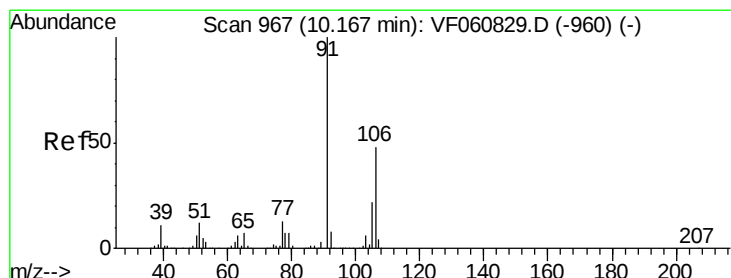
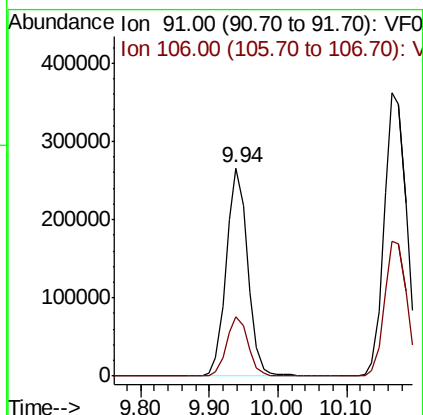
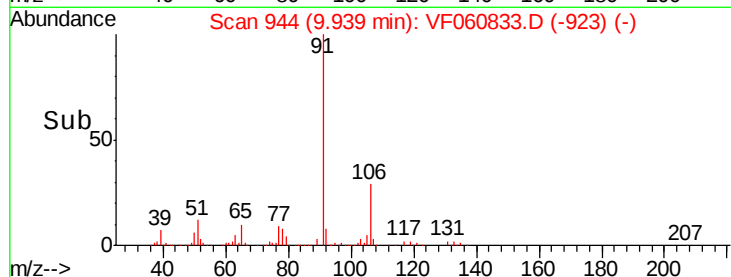
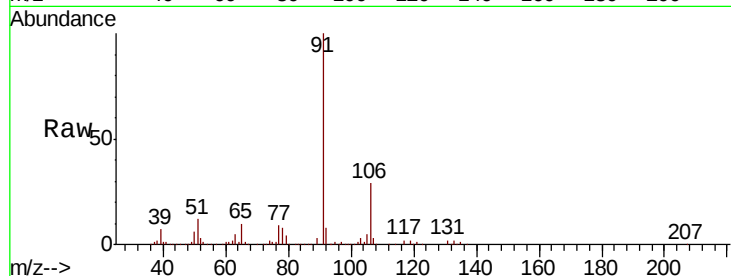
106 28.8 22.2 33.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 91.940 ug/l

RT: 10.17 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF060833.D

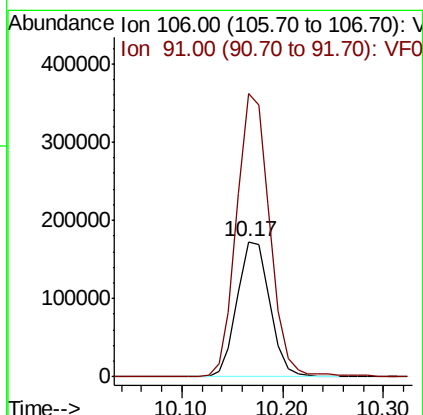
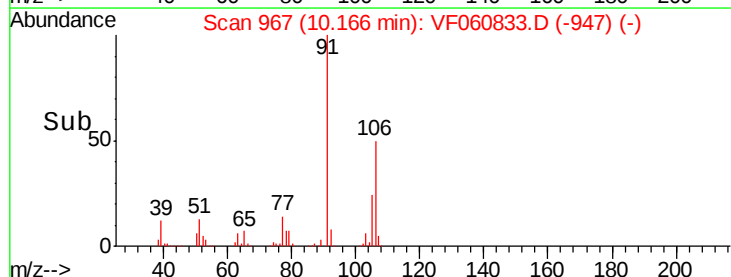
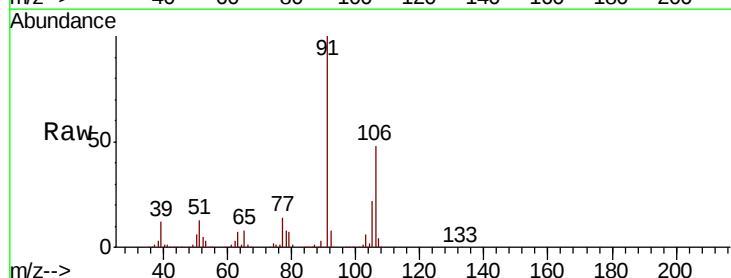
Acq: 26 Nov 2018 20:26

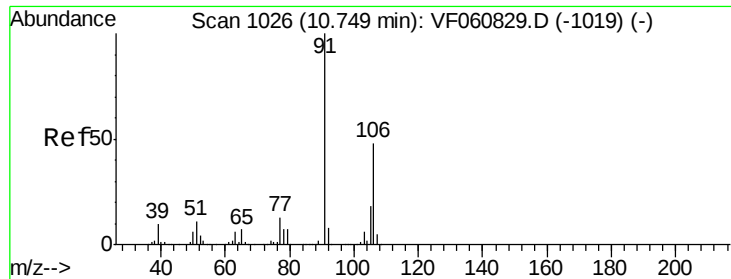
Tgt Ion: 106 Resp: 389944

Ion Ratio Lower Upper

106 100

91 209.2 166.7 250.1





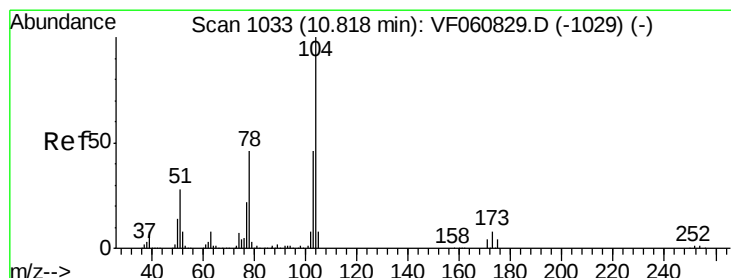
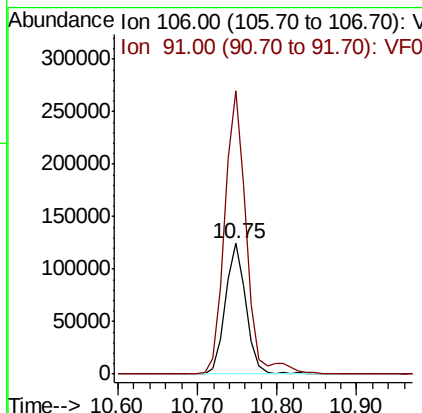
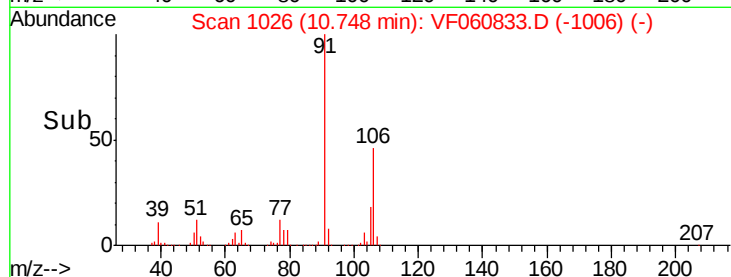
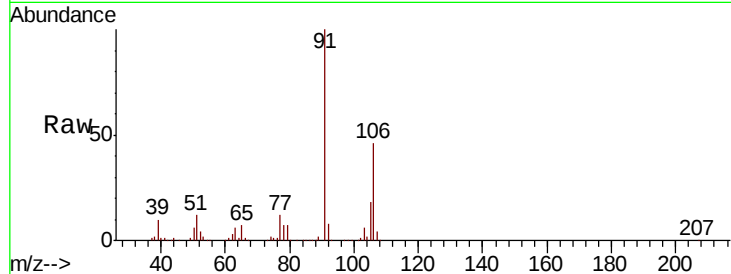
#69
o-Xylene
Concen: 48.960 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.8	104.8	314.6		

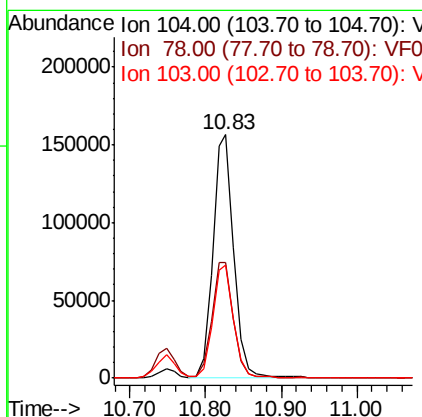
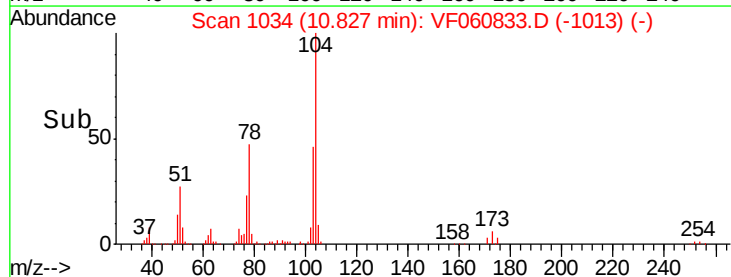
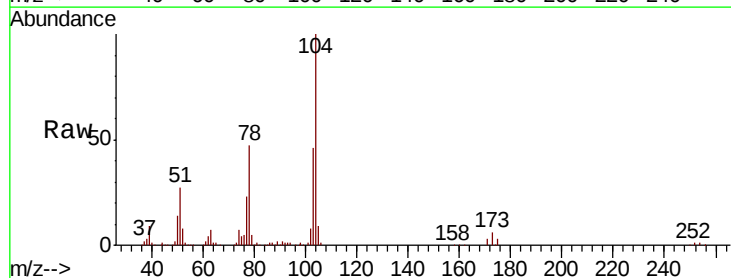
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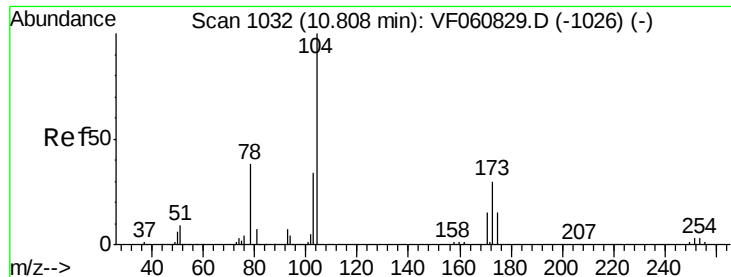
apatel
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#70
Styrene
Concen: 46.590 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.4	37.3	55.9		
103	46.2	36.8	55.2		





#71

Bromoform

Concen: 46.922 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

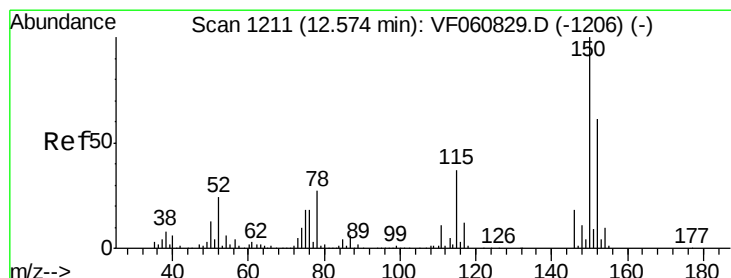
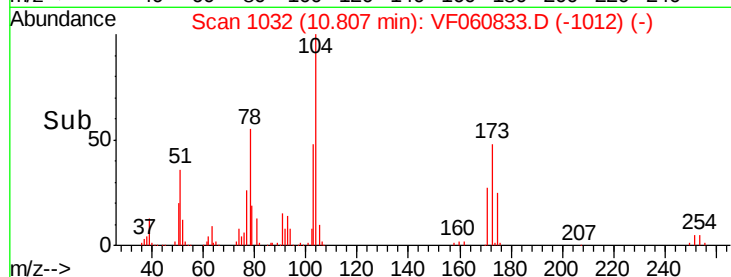
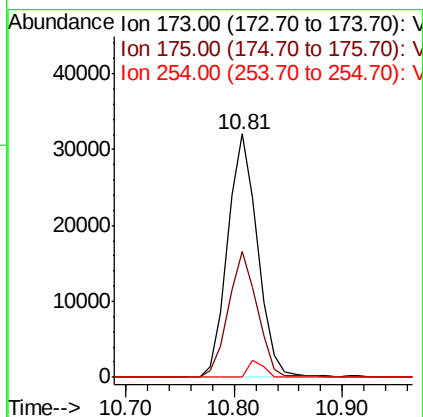
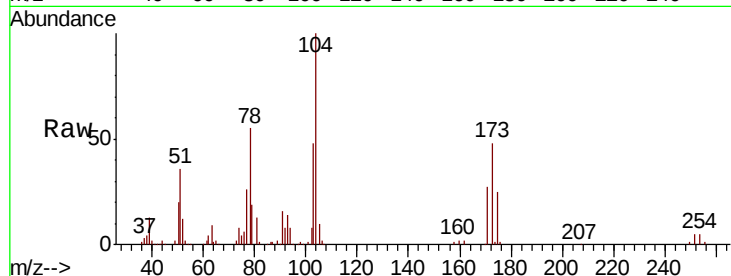
ClientSampleId :

ICVVF112618

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.9	25.5	76.5
254	0.0	7.5	11.3

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

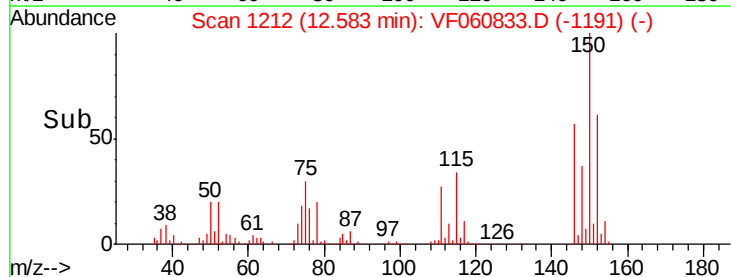
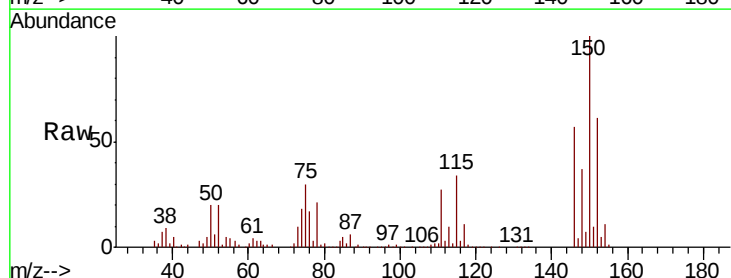
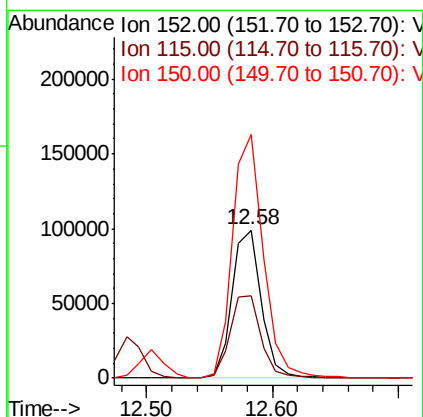
RT: 12.58 min Scan# 1212

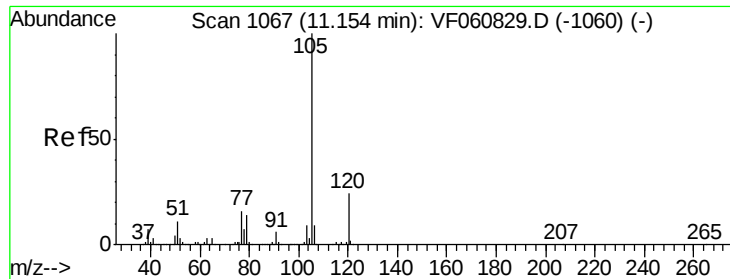
Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	30.1	90.5
150	164.5	0.0	327.6





#73

Isopropylbenzene

Concen: 50.429 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 105 Resp: 633642

Ion Ratio Lower Upper

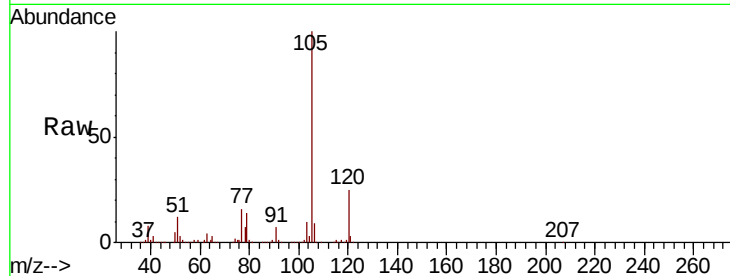
105 100

120 25.5 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

11.15

400000

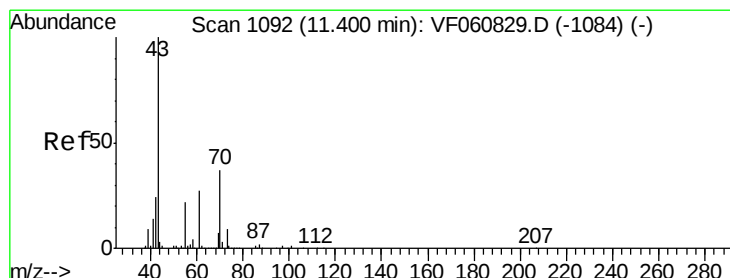
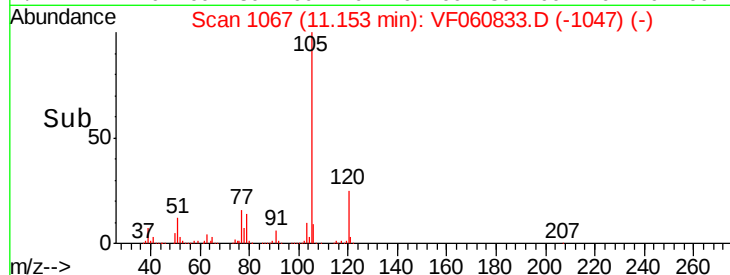
300000

200000

100000

0

Time--> 11.00 11.20



#74

N-ethyl acetate

Concen: 56.209 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion: 43 Resp: 163088

Ion Ratio Lower Upper

43 100

70 34.0 29.6 44.4

55 20.8 17.2 25.8

61 24.8 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

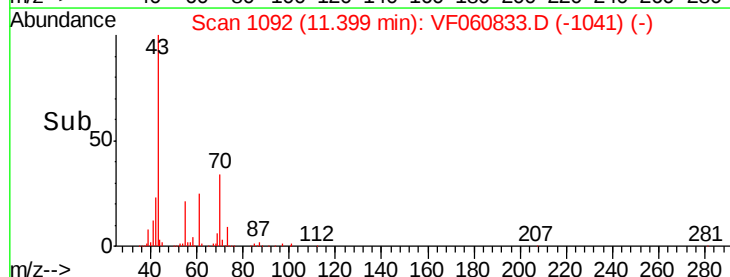
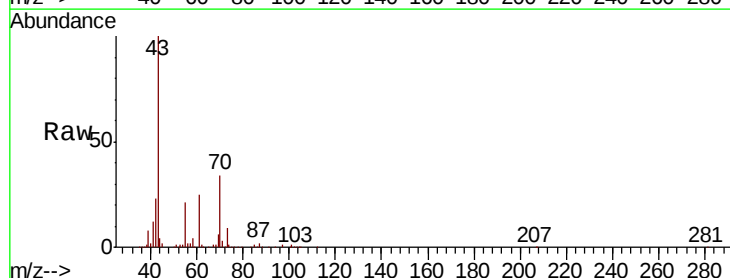
150000

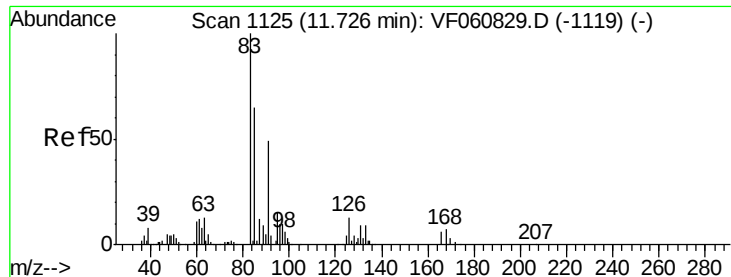
100000

50000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 51.979 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 83 Resp: 107489
Ion Ratio Lower Upper

83 100

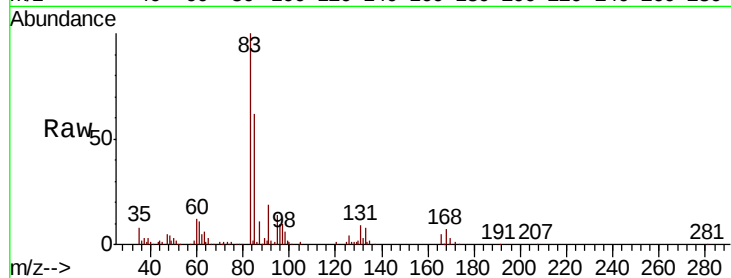
131 9.0 4.7 14.1

85 61.9 32.6 97.8

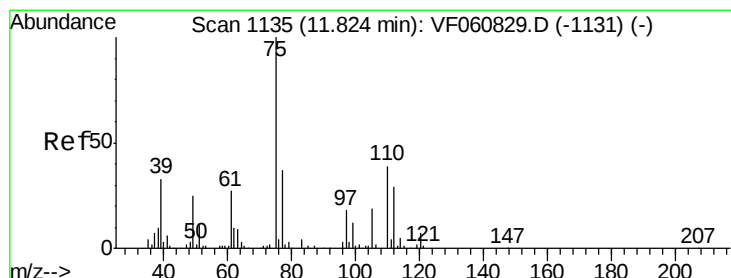
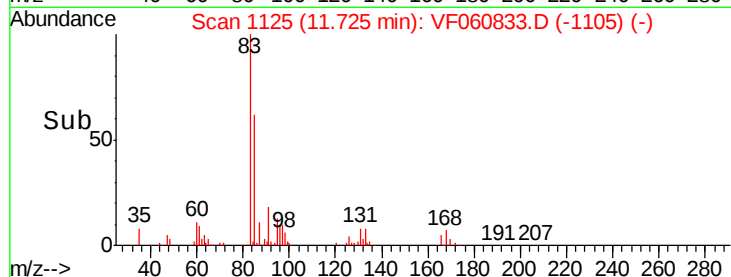
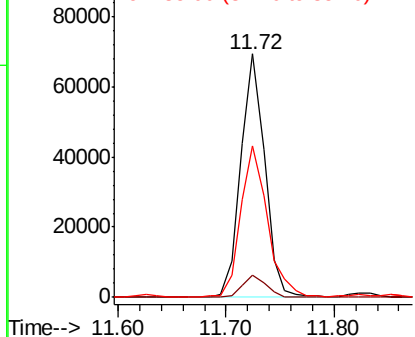
Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 51.963 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

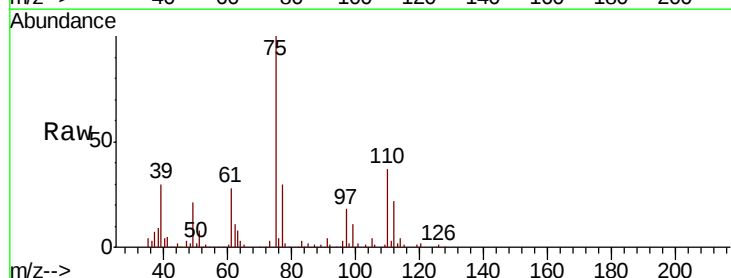
Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

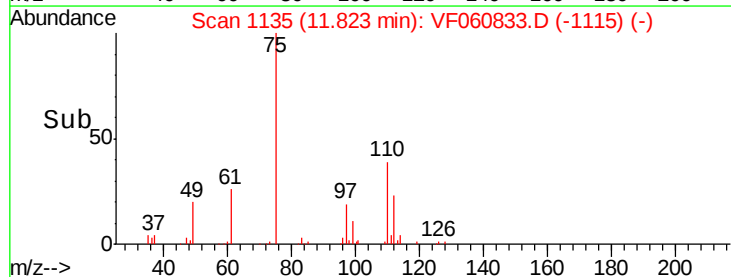
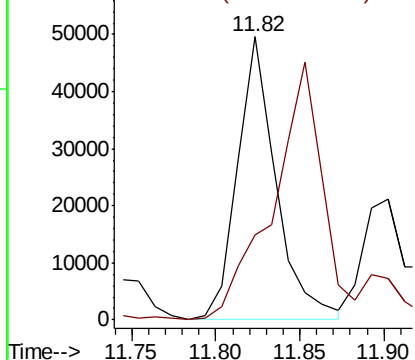
Tgt Ion: 75 Resp: 78106
Ion Ratio Lower Upper

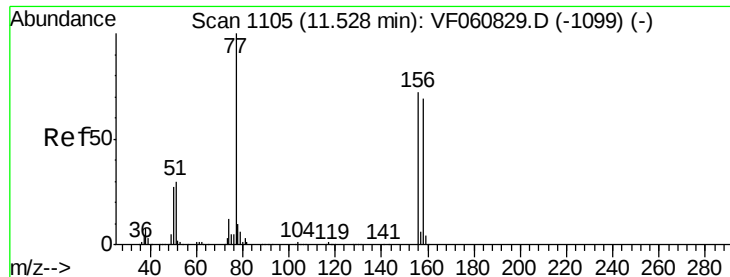
75 100

77 30.1 18.4 55.4



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





#77

Bromobenzene

Concen: 49.518 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

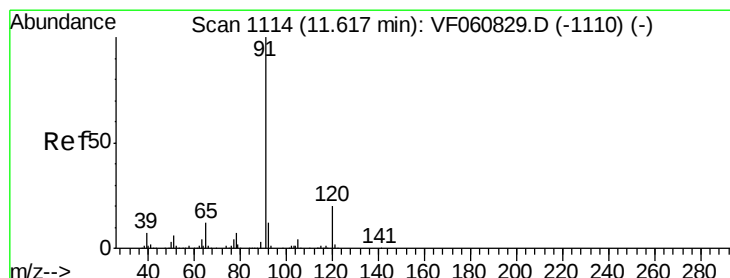
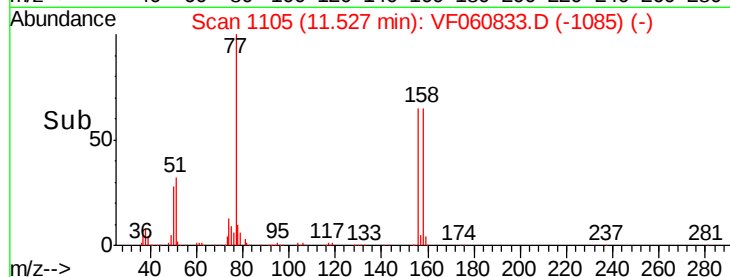
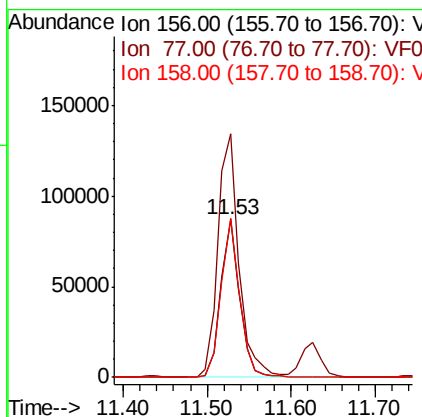
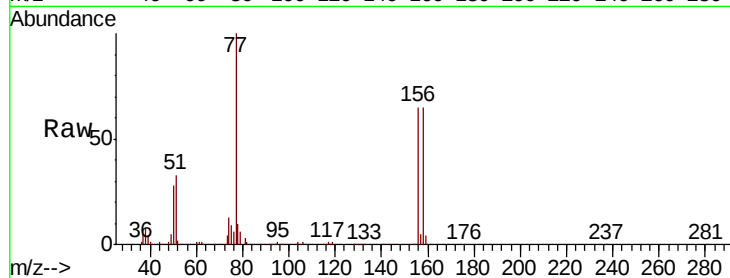
ClientSampleId :

ICVVF112618

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.6	69.7	209.0
158	100.7	47.8	143.4

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#78

n-propylbenzene

Concen: 50.679 ug/l

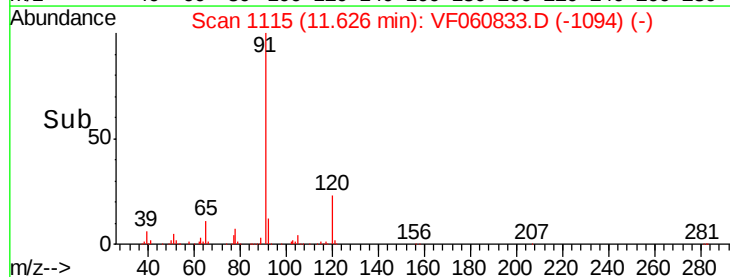
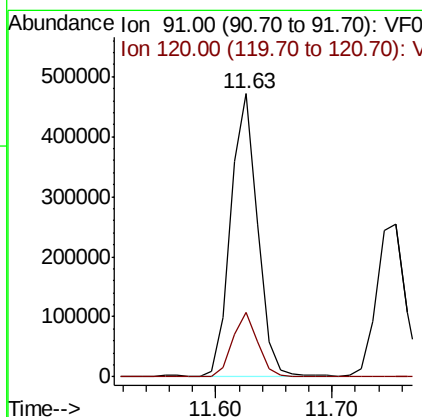
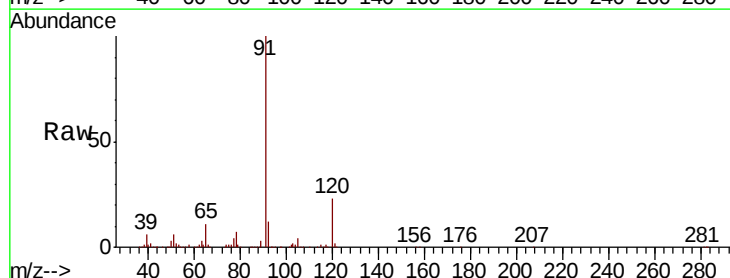
RT: 11.63 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.3	30.8





#79

2-Chlorotoluene

Concen: 51.044 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion: 91 Resp: 430667

Ion Ratio Lower Upper

91 100

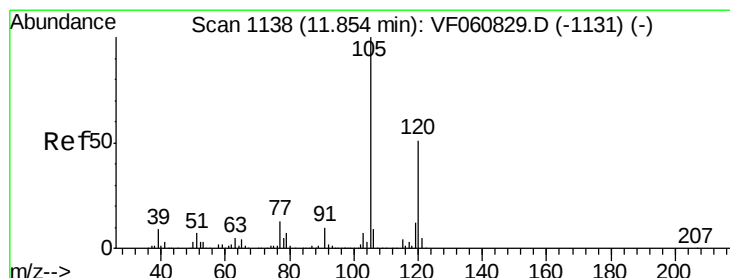
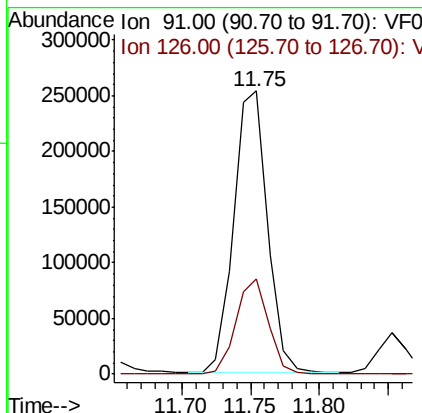
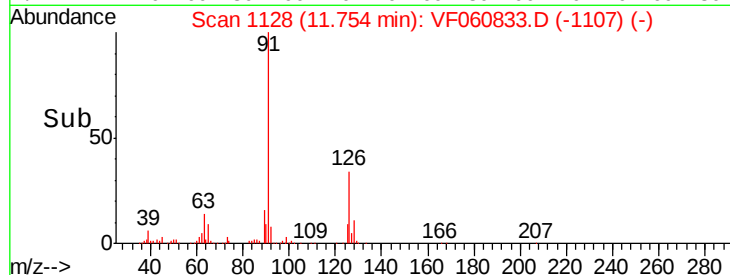
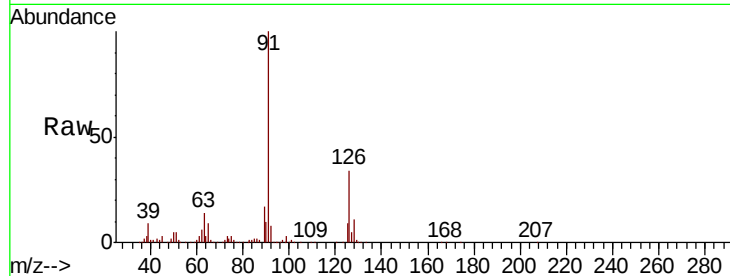
126 33.9 15.9 47.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.872 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VF060833.D

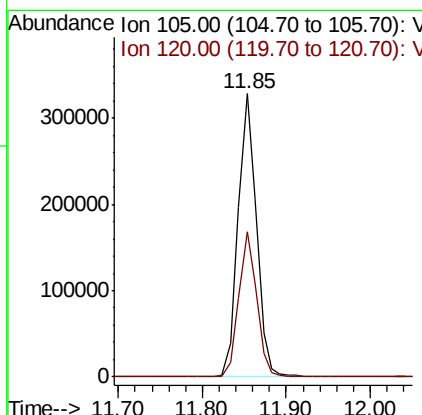
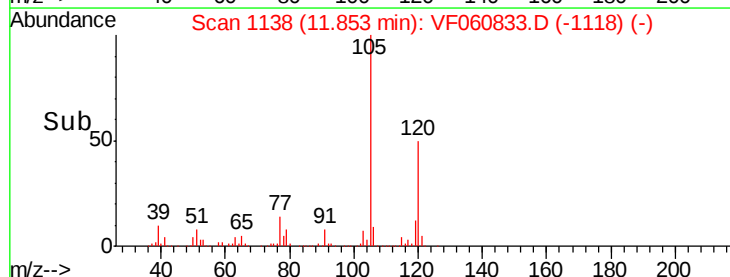
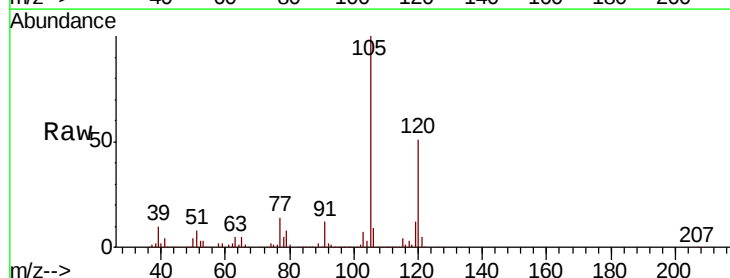
Acq: 26 Nov 2018 20:26

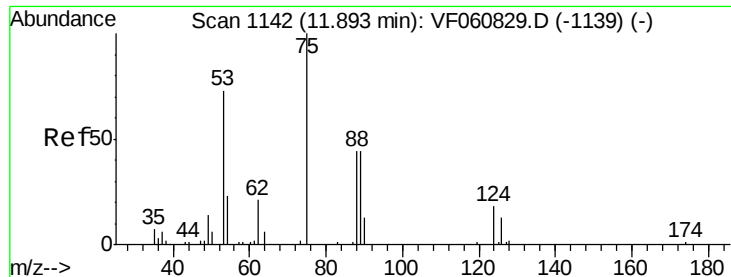
Tgt Ion: 105 Resp: 498511

Ion Ratio Lower Upper

105 100

120 51.2 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 45.237 ug/l m

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

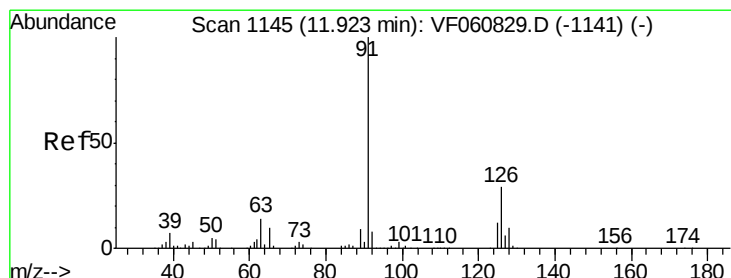
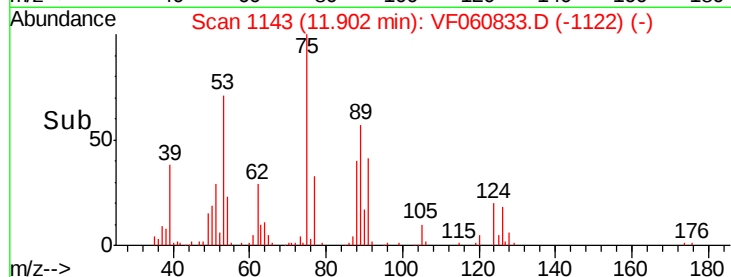
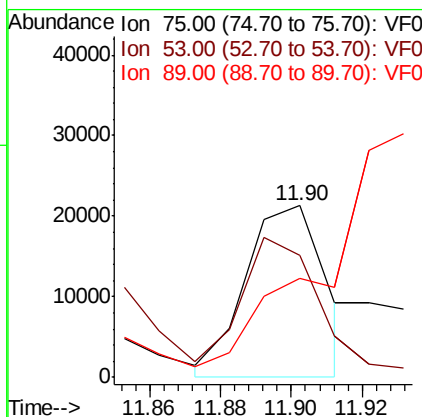
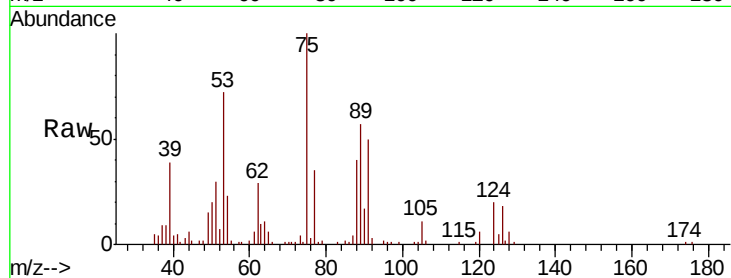
ClientSampleId :

ICVVF112618

Tot Ion:	75	Resp:	33315
Ion	Ratio	Lower	Upper
75	100		
53	71.5	65.9	98.9
89	57.4	38.8	58.2

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#82

4-Chlorotoluene

Concen: 48.486 ug/l

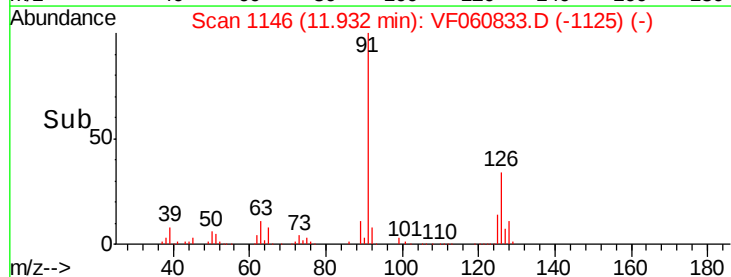
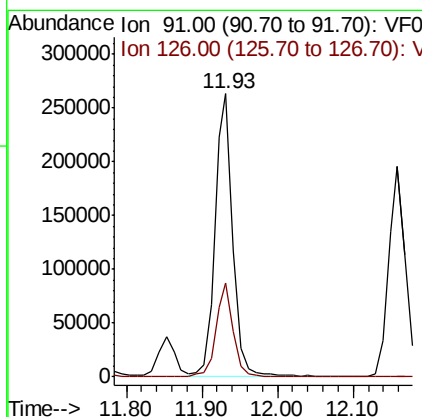
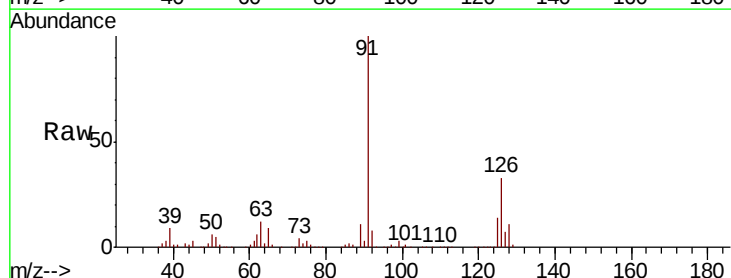
RT: 11.93 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Tgt Ion:	91	Resp:	430512
Ion	Ratio	Lower	Upper
91	100		
126	33.4	14.8	44.4





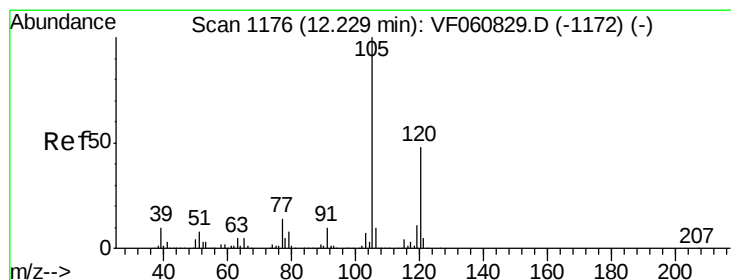
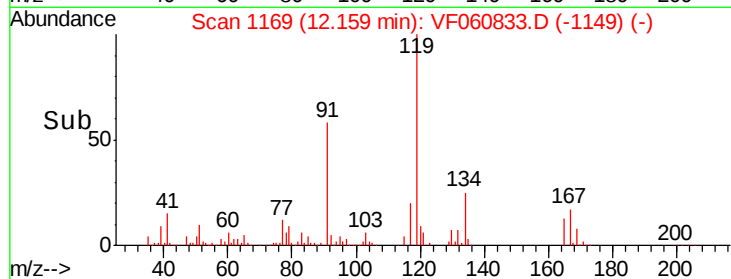
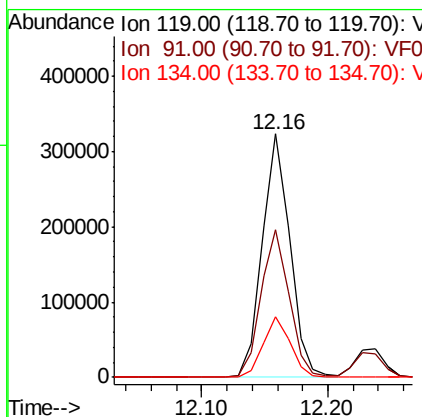
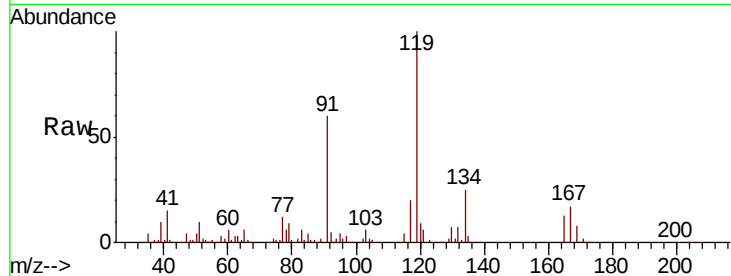
#83
 tert-Butylbenzene
 Concen: 47.925 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Tot Ion	Ratio	Resp	Lower	Upper
119	100	497964		
91	60.5	30.1	90.3	
134	24.7	12.6	37.8	

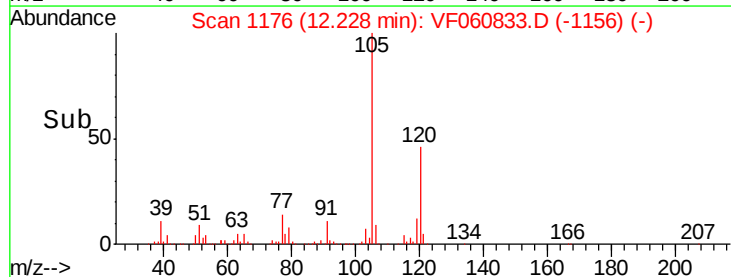
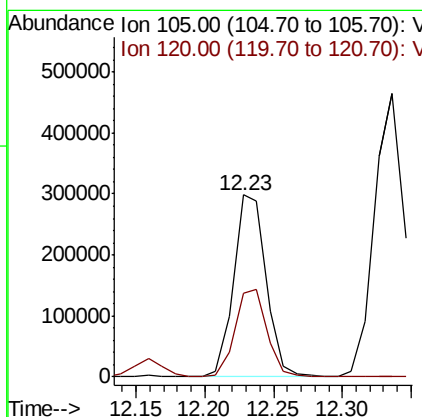
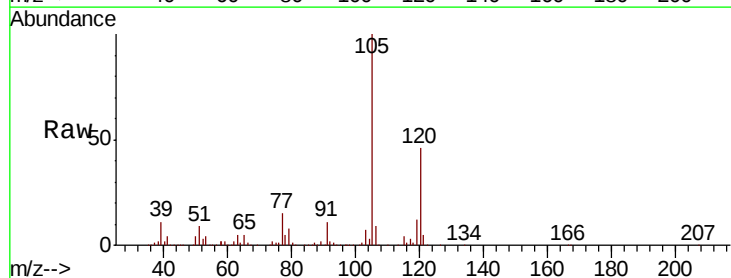
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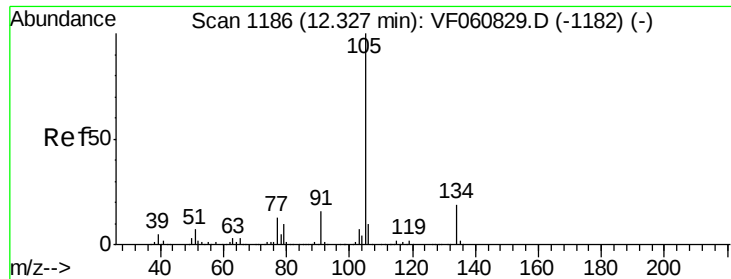
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.175 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	490438		
120	46.0	23.8	71.5	





#85

sec-Butylbenzene

Concen: 50.272 ug/l

RT: 12.34 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF112618

Tot Ion:105 Resp: 715067

Ion Ratio Lower Upper

105 100

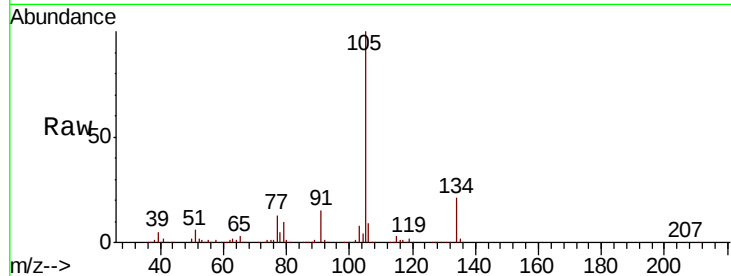
134 20.6 9.5 28.5

Manual Integrations

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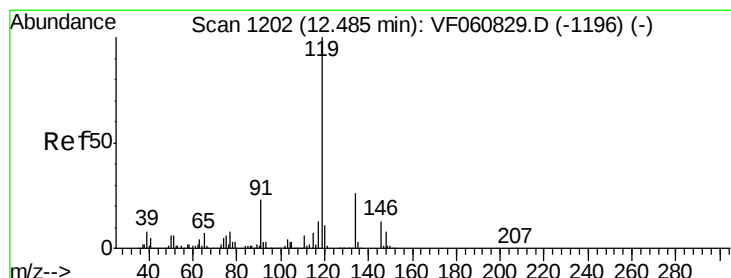
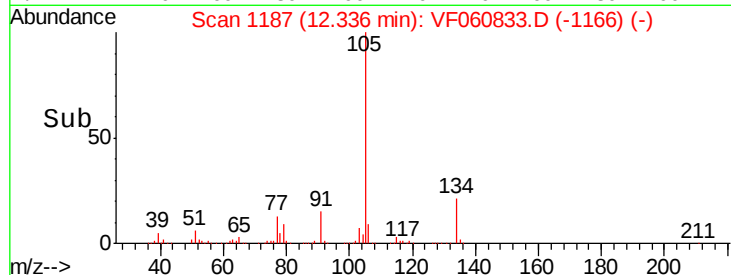
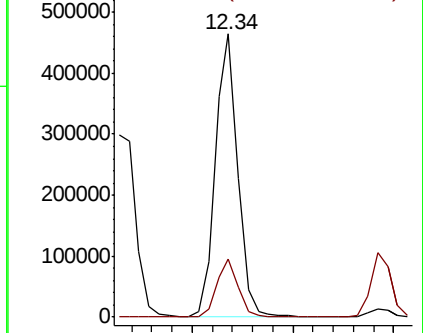
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.985 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF060833.D

Acq: 26 Nov 2018 20:26

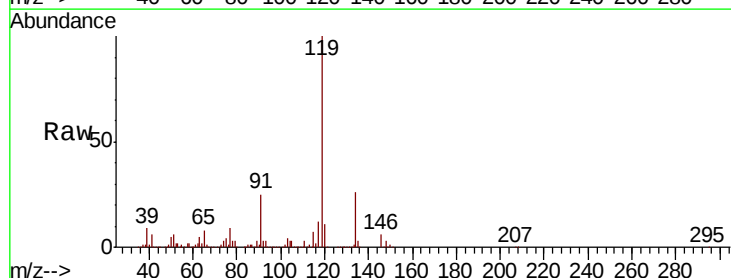
Tgt Ion:119 Resp: 584161

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

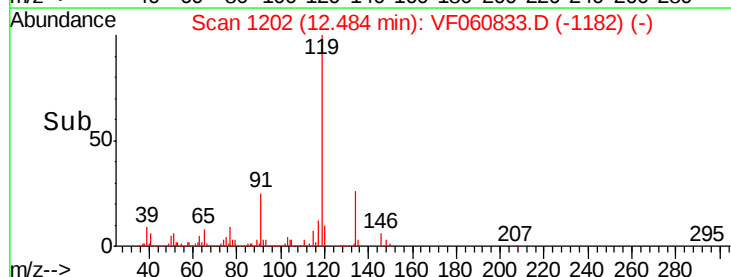
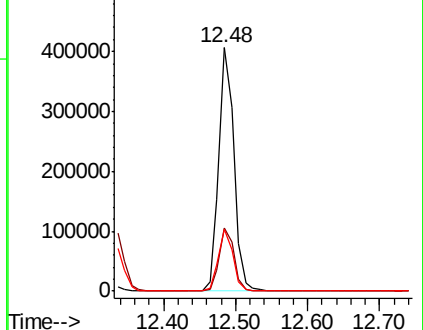
91 25.3 11.8 35.3

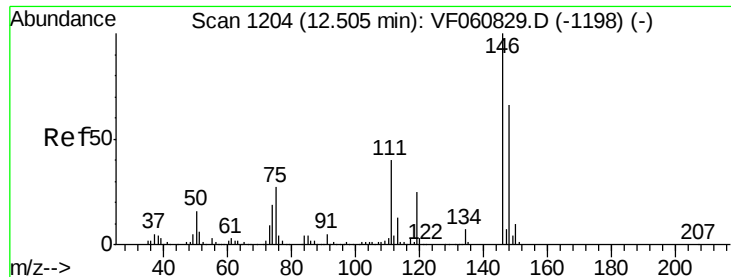


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





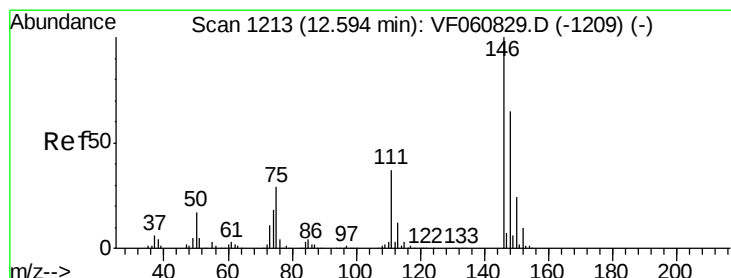
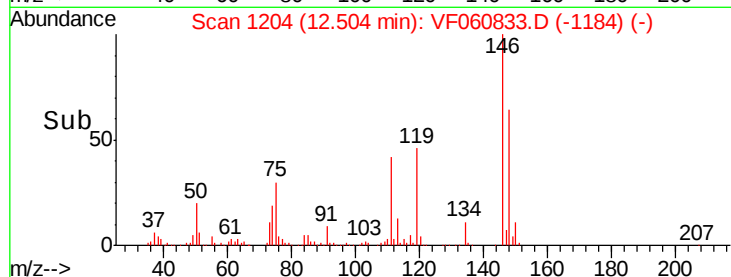
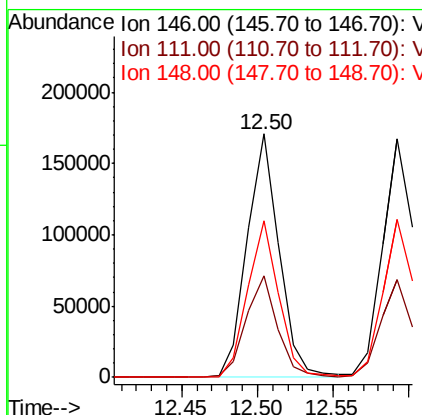
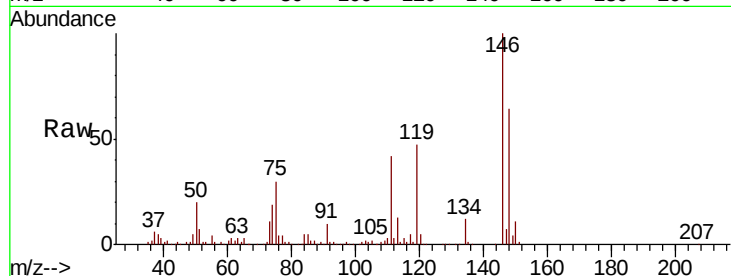
#87
 1,3-Dichlorobenzene
 Concen: 48.355 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.0	59.9
148	64.4	32.9	98.6

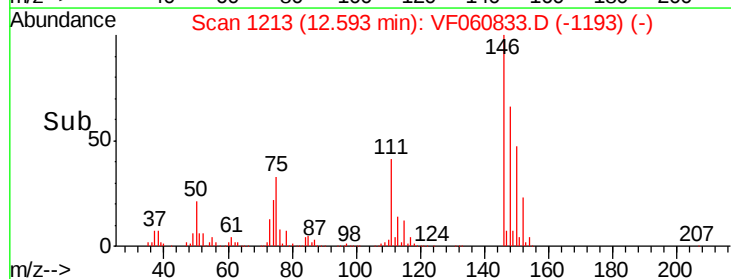
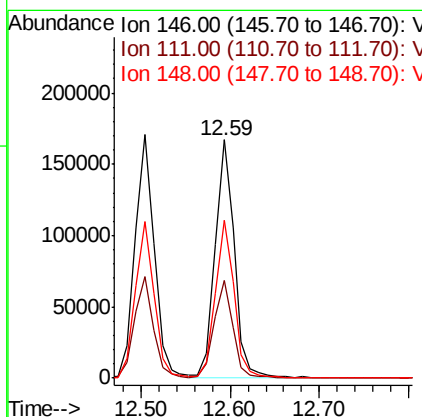
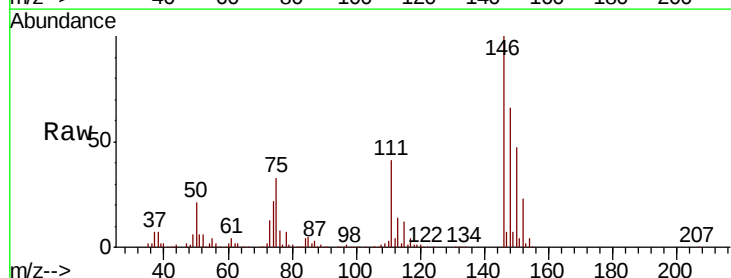
Manual Integrations
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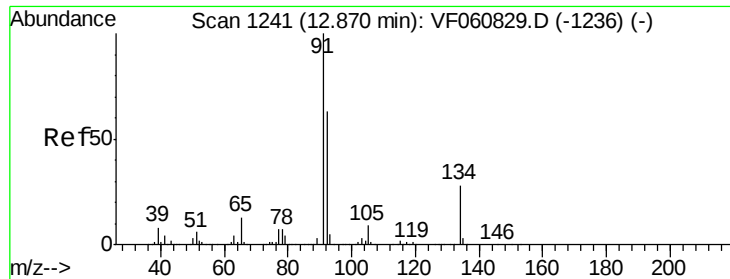
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#88
 1,4-Dichlorobenzene
 Concen: 49.191 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	18.9	56.7
148	66.0	32.3	96.9





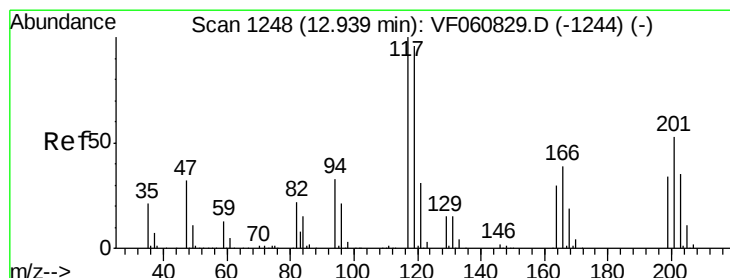
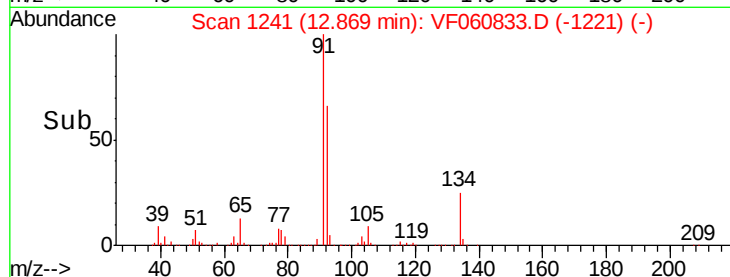
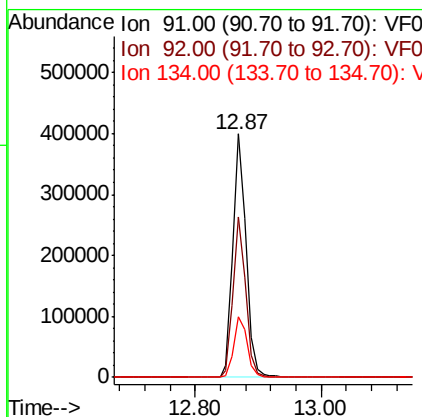
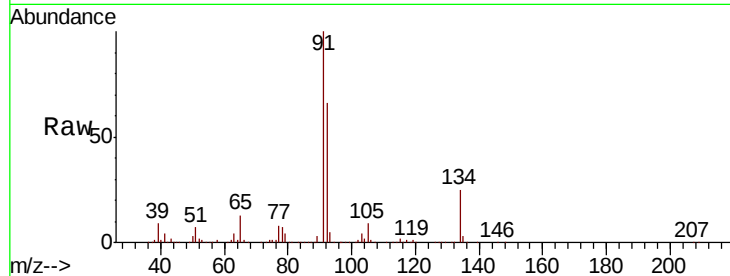
#89
n-Butylbenzene
Concen: 47.106 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.9	31.6	94.7
134	24.9	13.8	41.4

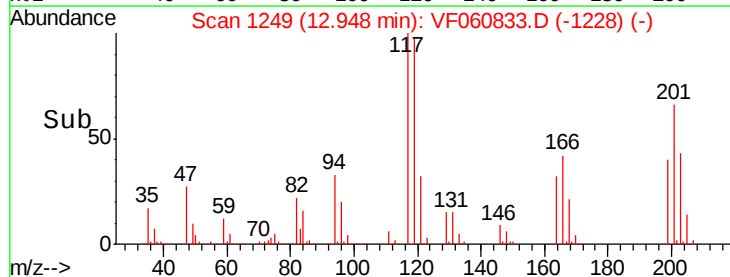
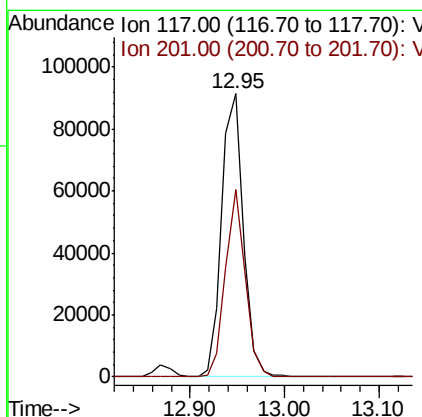
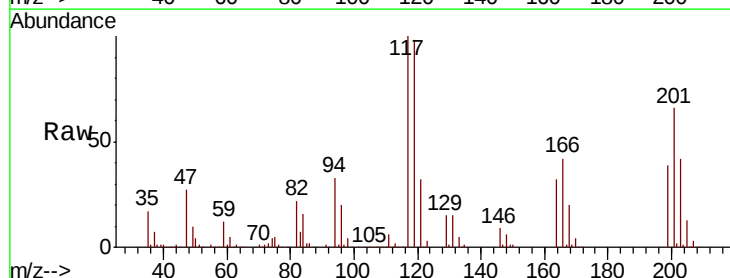
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#90
Hexachloroethane
Concen: 50.770 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.1	26.7	80.1





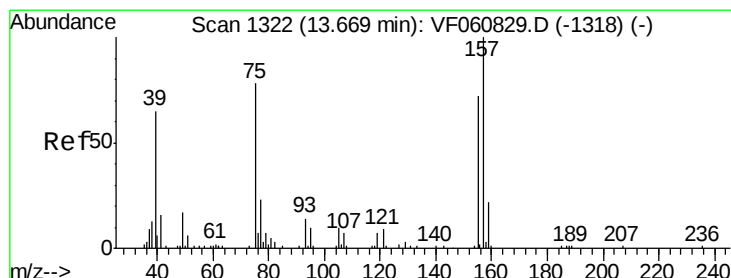
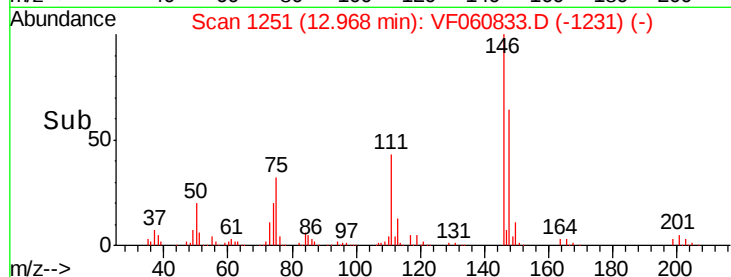
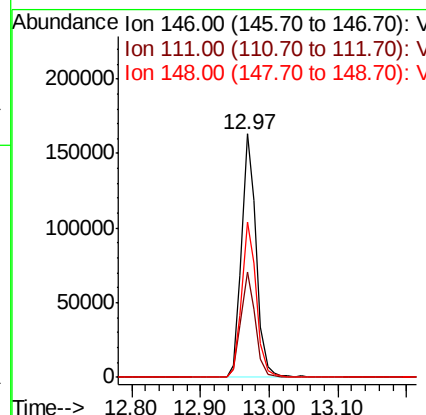
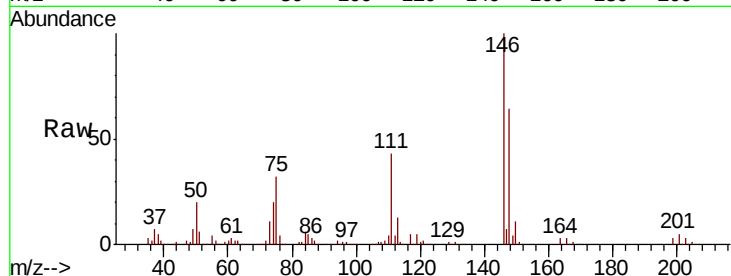
#91
 1,2-Dichlorobenzene
 Concen: 48.528 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.2	63.6
148	63.6	32.5	97.5

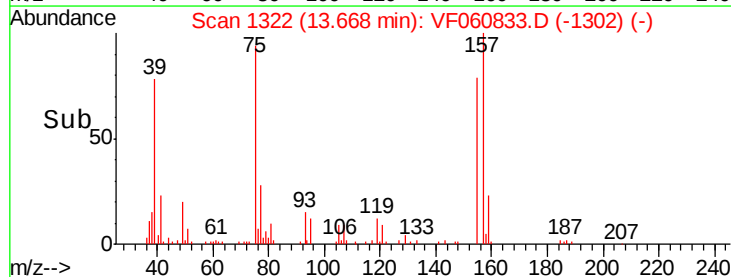
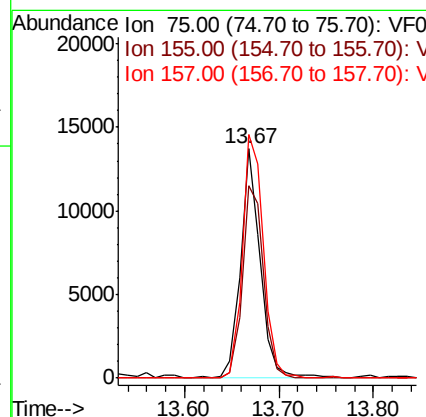
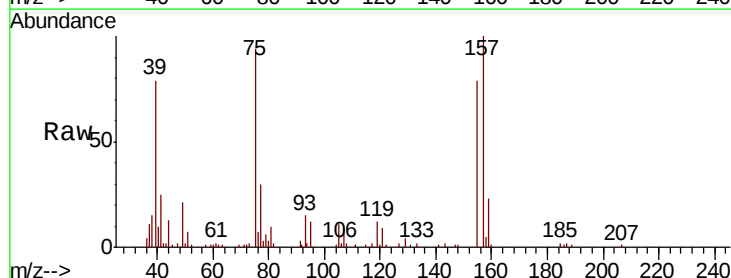
Manual Integrations
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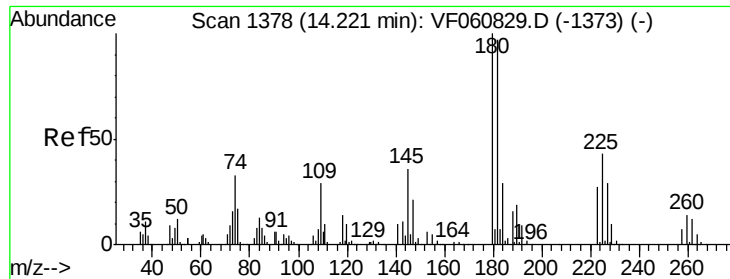
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.561 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	45.6	136.9
157	106.4	63.8	191.5





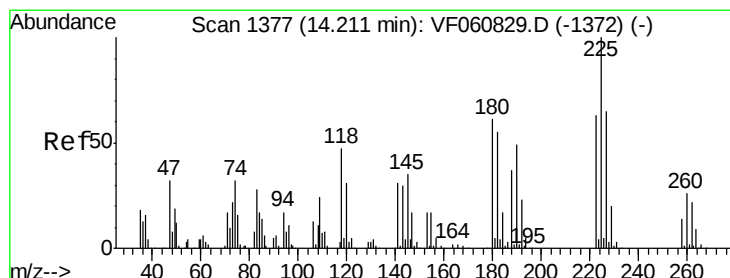
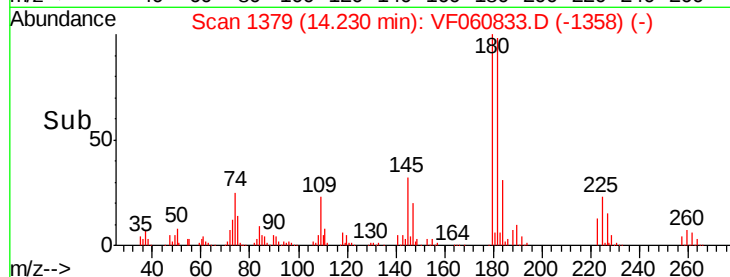
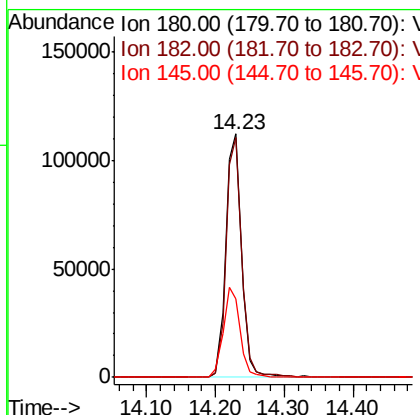
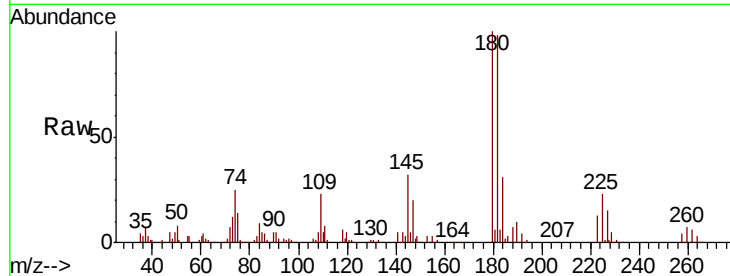
#93
 1,2,4-Trichlorobenzene
 Concen: 51.682 ug/l
 RT: 14.23 min Scan# 1379
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF112618

Tot Ion	Ratio	Resp	Lower	Upper
180	100	179189		
182	98.2	48.5	145.5	
145	32.1	18.1	54.3	

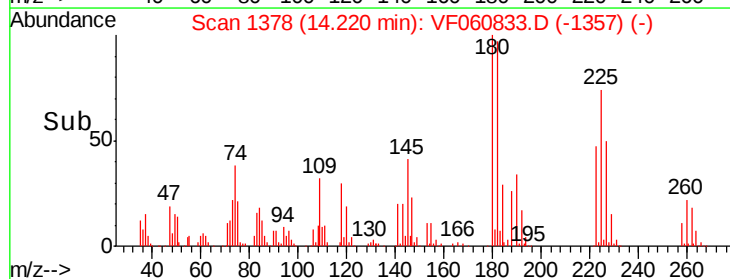
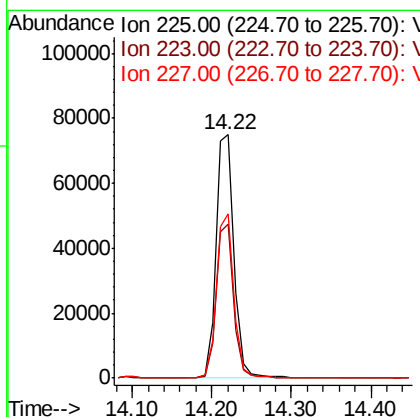
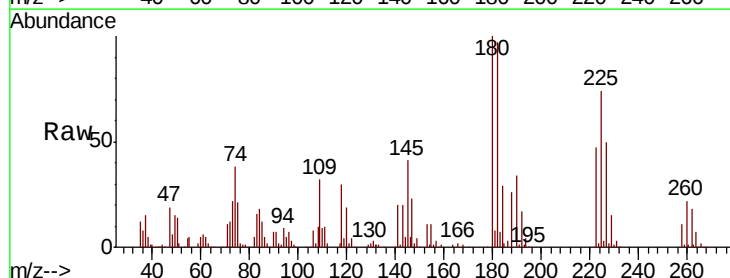
Manual Integrations
 APPROVED

apatel
 11/27/2018 3:17:16 PM



#94
 Hexachlorobutadiene
 Concen: 51.565 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.01 min
 Lab File: VF060833.D
 Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119182		
223	63.0	31.4	94.3	
227	67.2	32.5	97.5	





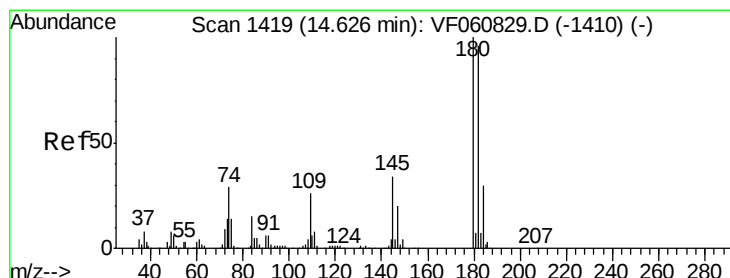
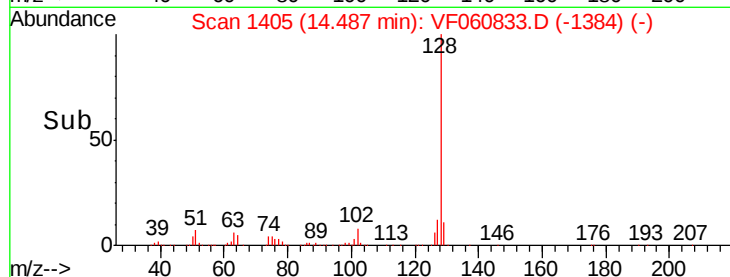
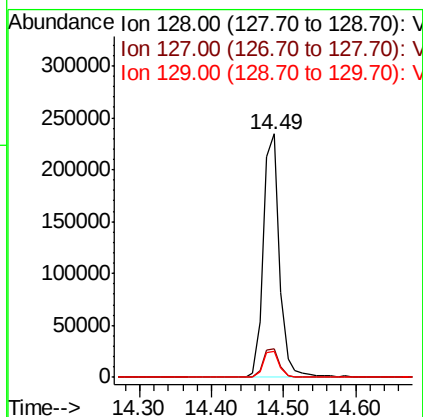
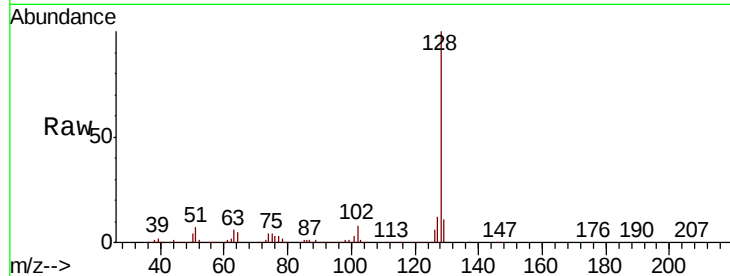
#95
Naphthalene
Concen: 55.147 ug/l
RT: 14.49 min Scan# 1405
Delta R.T. 0.01 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF112618

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	11.6	9.9	14.9
129	10.7	9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.239 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF060833.D
Acq: 26 Nov 2018 20:26

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.3	47.9	143.8
145	37.3	17.2	51.5

