

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060764.D
 Acq On : 16 Nov 2018 14:36
 Operator : VA/AP
 Sample : VF1116SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBSD01

Manual Integrations
 APPROVED

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 11/19/2018 12:33:17 PM

Quant Time: Nov 17 04:37:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	191986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	295971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	285065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	160203	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	105313	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
35) Dibromofluoromethane	4.13	113	114756	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
50) Toluene-d8	7.57	98	310745	54.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	11.42	95	152229	58.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	71060	20.682	ug/l	97
3) Chloromethane	1.11	50	49153	23.067	ug/l	93
4) Vinyl Chloride	1.15	62	42336	22.210	ug/l	93
5) Bromomethane	1.33	94	27752	22.920	ug/l	83
6) Chloroethane	1.38	64	15945	21.380	ug/l #	88
7) Trichlorofluoromethane	1.50	101	82187m	19.498	ug/l	
8) Diethyl Ether	1.63	74	12356	22.878	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	41895	21.091	ug/l	96
10) Methyl Iodide	1.90	142	65916	20.682	ug/l	94
11) Tert butyl alcohol	2.58	59	12917	129.609	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	31979	20.417	ug/l	97
13) Acrolein	2.01	56	10932	119.967	ug/l	89
14) Allyl chloride	2.11	41	57316	20.888	ug/l	92
15) Acrylonitrile	2.96	53	25797	121.476	ug/l	97
16) Acetone	2.25	43	55212	117.959	ug/l	98
17) Carbon Disulfide	1.83	76	92625	19.566	ug/l #	90
18) Methyl Acetate	2.35	43	20477	26.643	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	88010	23.422	ug/l	100
20) Methylene Chloride	2.19	84	39143m	23.655	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	35593	21.750	ug/l	95
22) Diisopropyl ether	2.82	45	117950	22.265	ug/l	97
23) Vinyl Acetate	3.20	43	296658	118.919	ug/l	98
24) 1,1-Dichloroethane	2.89	63	72715	22.672	ug/l	99
25) 2-Butanone	4.35	43	91419	118.744	ug/l	96
26) 2,2-Dichloropropane	3.62	77	49636	19.667	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	55925	20.089	ug/l	98
28) Bromochloromethane	3.74	49	35774	21.463	ug/l	91
29) Tetrahydrofuran	4.09	42	40602	127.855	ug/l	95
30) Chloroform	3.88	83	100317	19.495	ug/l	92
31) Cyclohexane	3.71	56	80703	20.732	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	82597	20.383	ug/l	94
36) 1,1-Dichloropropene	4.30	75	76528	22.295	ug/l	99
37) Ethyl Acetate	4.13	43	37045	29.029	ug/l #	69
38) Carbon Tetrachloride	4.01	117	71920	21.593	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	88515	22.227	ug/l	97
40) Benzene	4.65	78	177775	23.234	ug/l	99
41) Methacrylonitrile	4.76	41	17666	23.686	ug/l	91
42) 1,2-Dichloroethane	4.96	62	60544	22.897	ug/l	92
43) Isopropyl Acetate	6.98	43	43475	25.694	ug/l #	93
44) Trichloroethene	5.52	130	54767	22.686	ug/l	88
45) 1,2-Dichloropropane	6.25	63	44170	22.184	ug/l	97
46) Dibromomethane	6.10	93	29147	22.176	ug/l	99
47) Bromodichloromethane	6.40	83	73126	21.788	ug/l	96
48) Methyl methacrylate	6.73	41	29666	26.492	ug/l	94
49) 1,4-Dioxane	6.72	88	4994	476.851	ug/l	95
51) 4-Methyl-2-Pentanone	8.27	43	163941	133.966	ug/l	100
52) Toluene	7.64	92	113332	22.103	ug/l	91
53) t-1,3-Dichloropropene	8.29	75	65453	24.348	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	77940	22.321	ug/l	91
55) 1,1,2-Trichloroethane	8.51	97	32985	22.515	ug/l	95
56) Ethyl methacrylate	8.64	69	43483	26.134	ug/l	93
57) 1,3-Dichloropropane	8.86	76	58335	22.976	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.64	63	16714	109.967	ug/l	100
59) 2-Hexanone	9.51	43	122517	142.460	ug/l	94
60) Dibromochloromethane	8.74	129	48138	23.055	ug/l	94
61) 1,2-Dibromoethane	9.00	107	37127	24.096	ug/l	92
64) Tetrachloroethene	8.17	164	48705	21.576	ug/l	93
65) Chlorobenzene	9.81	112	124465	21.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	52776	21.035	ug/l	96
67) Ethyl Benzene	9.92	91	226564	20.895	ug/l	97
68) m/p-Xylenes	10.15	106	165123	42.613	ug/l	87
69) o-Xylene	10.73	106	95056	21.819	ug/l	98
70) Styrene	10.81	104	131102	22.174	ug/l	99
71) Bromoform	10.79	173	26421	23.418	ug/l #	94
73) Isopropylbenzene	11.13	105	274445	21.283	ug/l	96
74) N-amyl acetate	11.38	43	76766	26.150	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	49706	23.315	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	33539	21.182	ug/l	95
77) Bromobenzene	11.51	156	59419	22.137	ug/l	95
78) n-propylbenzene	11.61	91	325030	21.612	ug/l	97
79) 2-Chlorotoluene	11.73	91	185793	21.255	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	221031	21.590	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	18936m	24.343	ug/l	
82) 4-Chlorotoluene	11.91	91	190992	21.328	ug/l	99
83) tert-Butylbenzene	12.14	119	234750	21.596	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	221431	20.913	ug/l	94
85) sec-Butylbenzene	12.32	105	313242	21.243	ug/l	95
86) p-Isopropyltoluene	12.47	119	271990	22.086	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	117662	22.027	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	110289	21.483	ug/l	95
89) n-Butylbenzene	12.86	91	268720	21.381	ug/l	93
90) Hexachloroethane	12.93	117	60386	20.047	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	112694	22.406	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8211	20.491	ug/l	92

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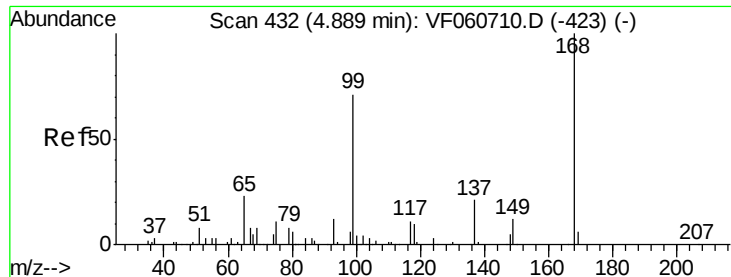
Manual Integrations
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11/19/2018 12:33:17 PM

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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	75826	20.975	ug/l	93
94) Hexachlorobutadiene	14.20	225	46817	19.818	ug/l	97
95) Naphthalene	14.47	128	150424	22.805	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	75714	22.666	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion:168 Resp: 191986

Ion Ratio Lower Upper

168 100

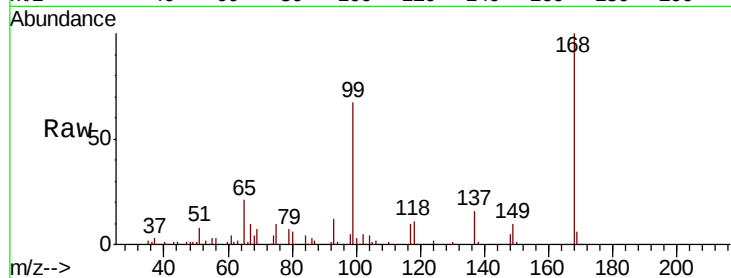
99 66.8 57.2 85.8

Manual Integrations

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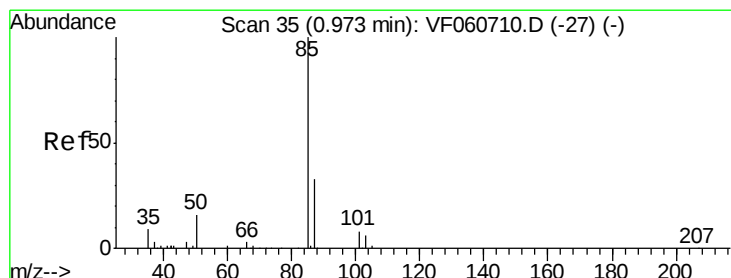
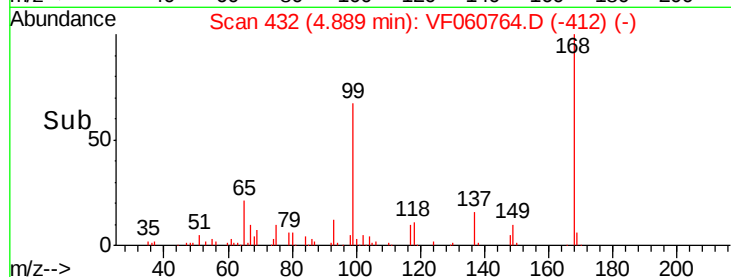
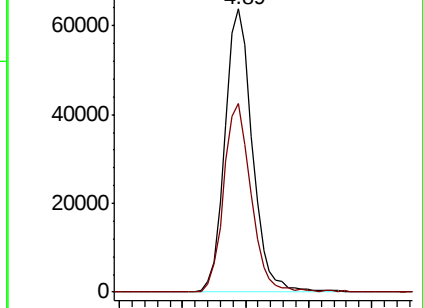
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.682 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060764.D

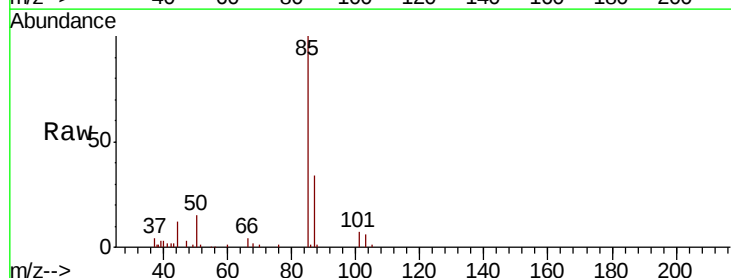
Acq: 16 Nov 2018 14:36

Tgt Ion: 85 Resp: 71060

Ion Ratio Lower Upper

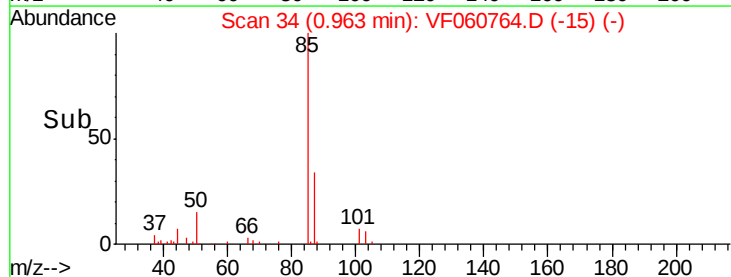
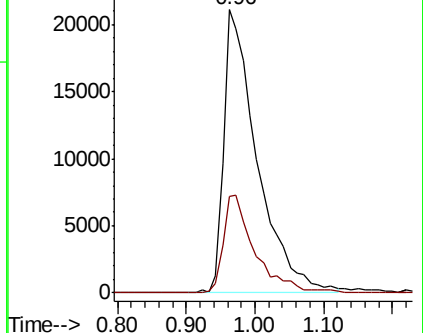
85 100

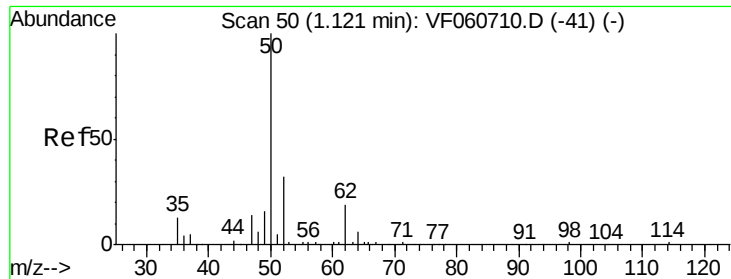
87 34.1 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 23.067 ug/l

RT: 1.11 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 50 Resp: 49153

Ion Ratio Lower Upper

50 100

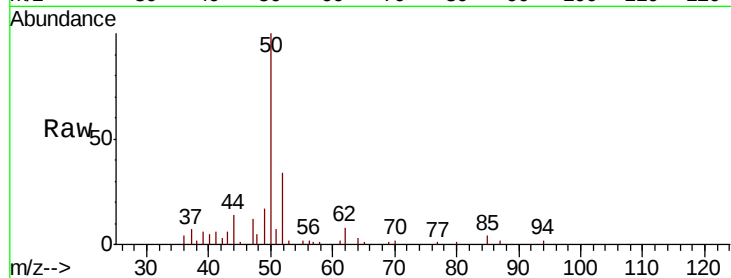
52 34.1 24.2 36.2

Manual Integrations

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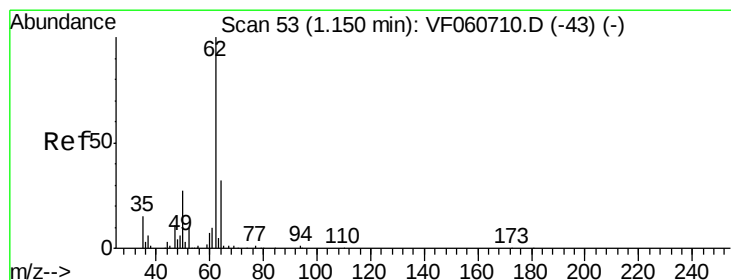
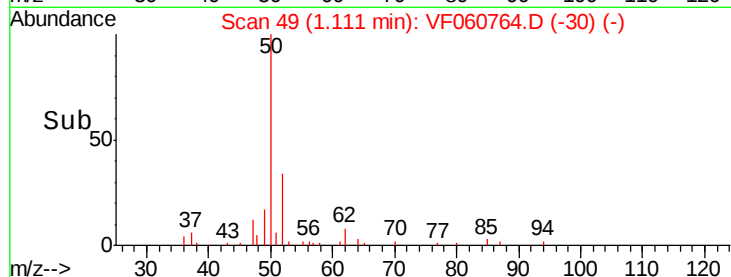
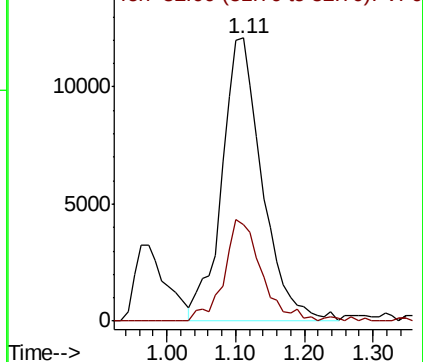
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 22.210 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060764.D

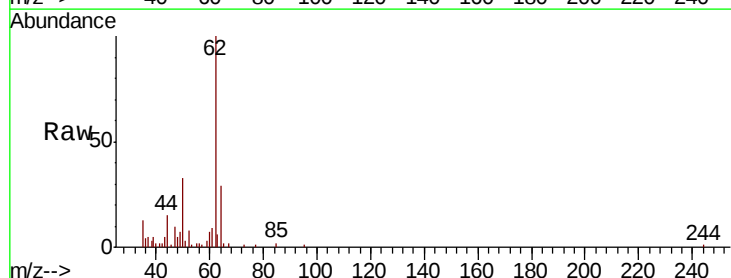
Acq: 16 Nov 2018 14:36

Tgt Ion: 62 Resp: 42336

Ion Ratio Lower Upper

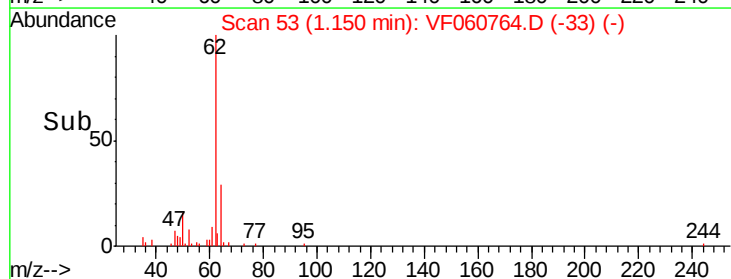
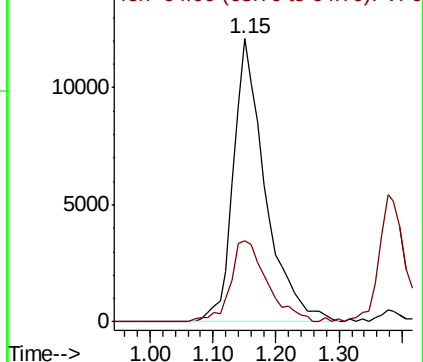
62 100

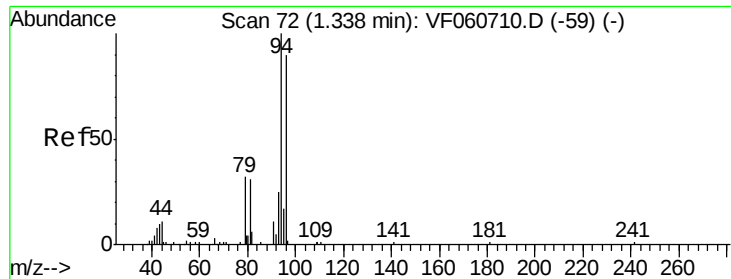
64 28.6 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.920 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 94 Resp: 27752

Ion Ratio Lower Upper

94 100

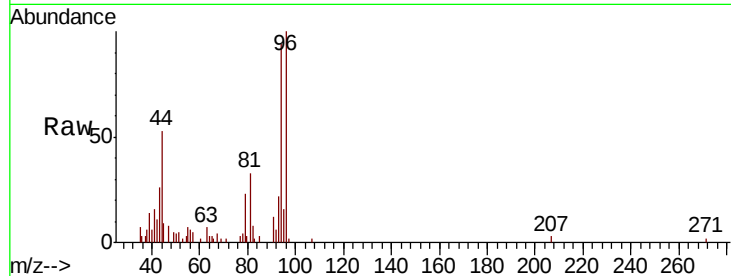
96 106.2 71.9 107.9

Manual Integrations

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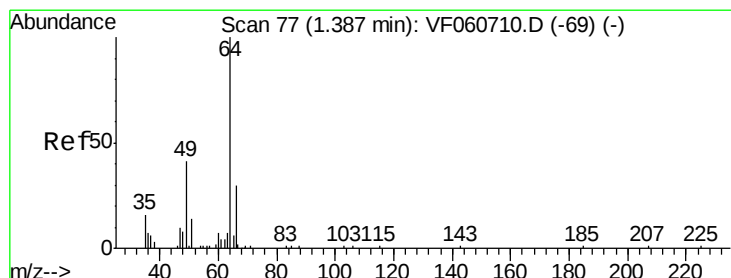
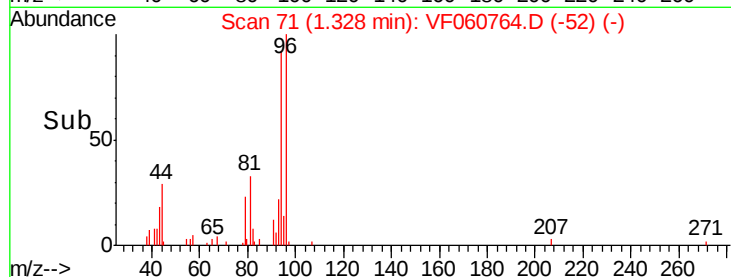
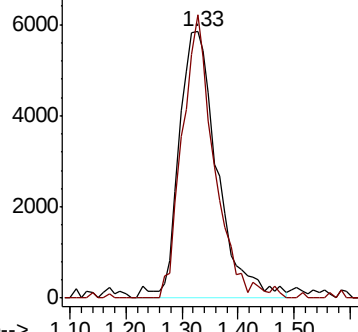
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 21.380 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060764.D

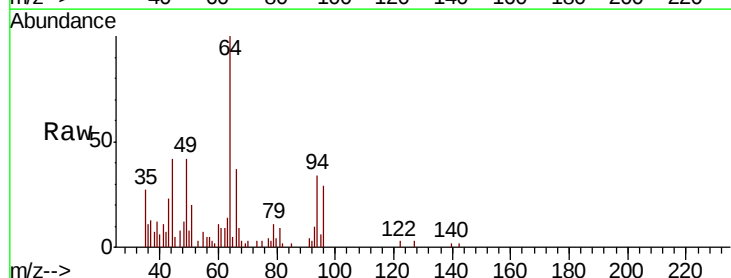
Acq: 16 Nov 2018 14:36

Tgt Ion: 64 Resp: 15945

Ion Ratio Lower Upper

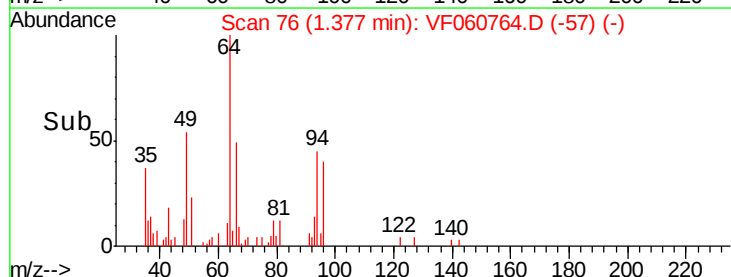
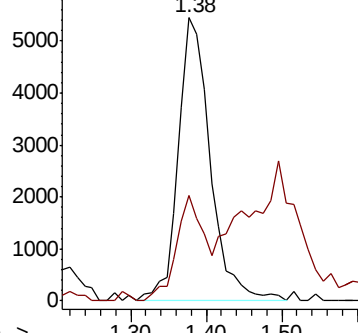
64 100

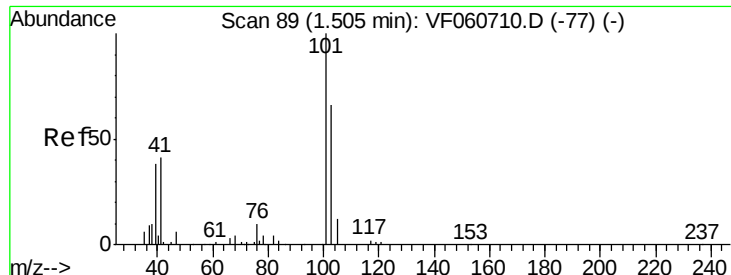
66 37.3 24.8 37.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

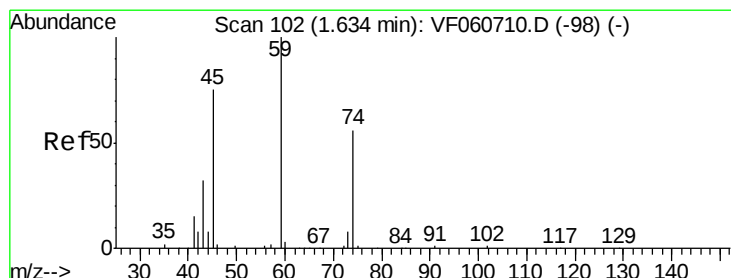
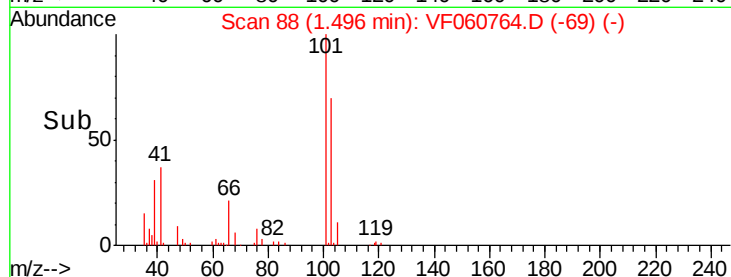
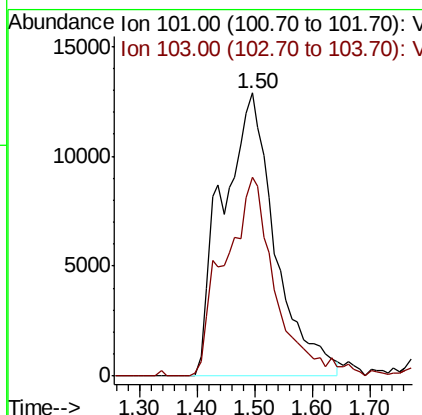
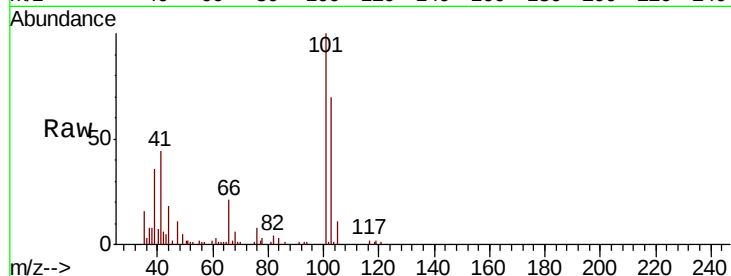
Trichlorofluoromethane
 Concen: 19.498 ug/l m
 RT: 1.50 min Scan# 88
 Delta R.T. -0.01 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
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 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.1	53.1	79.7

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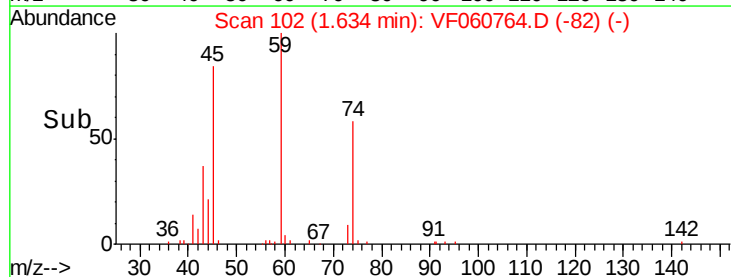
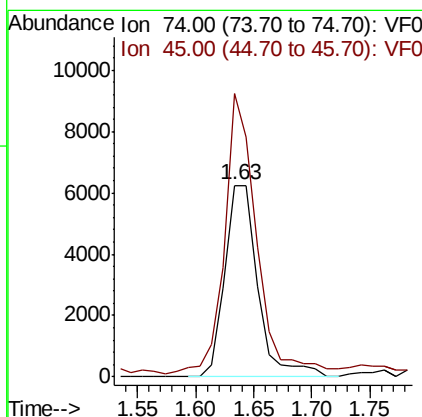
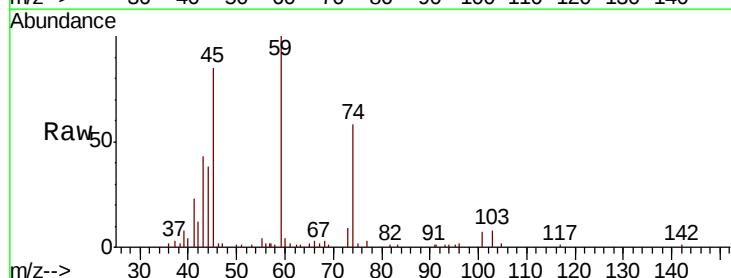
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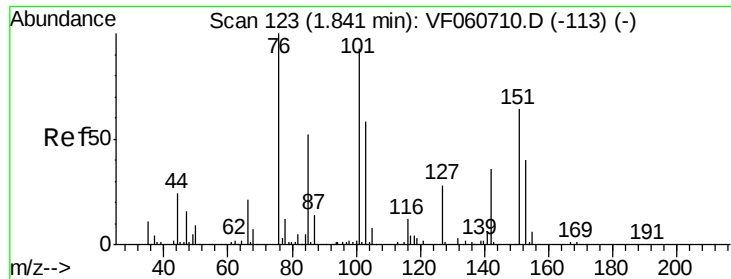


#8

Diethyl Ether
 Concen: 22.878 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	147.6	67.7	203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.091 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

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Instrument :

MSVOA_F

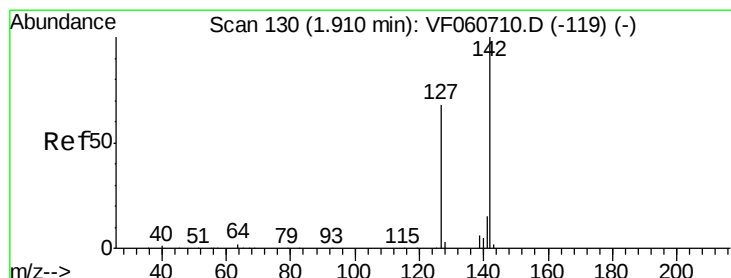
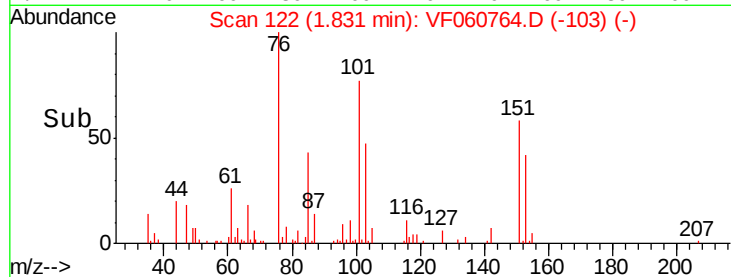
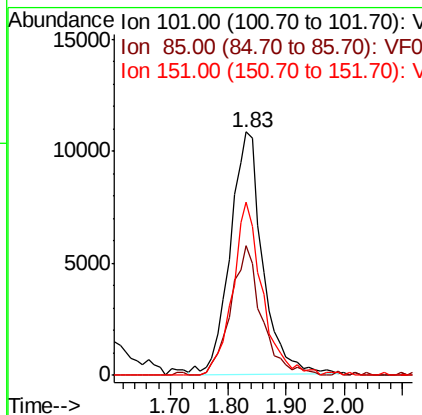
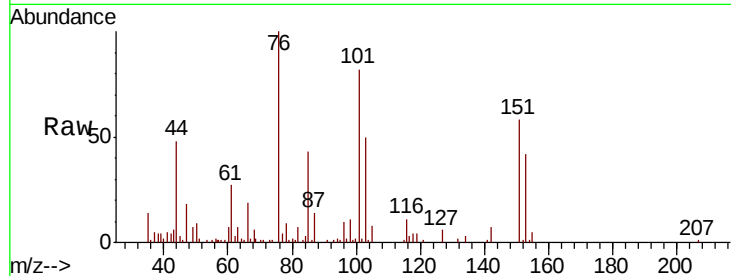
ClientSampleId :

VF1116SBS01

Tot Ion:	101	Resp:	41895
Ion Ratio	Lower	Upper	
101	100		
85	53.1	43.6	65.4
151	70.9	53.1	79.7

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#10

Methyl Iodide

Concen: 20.682 ug/l

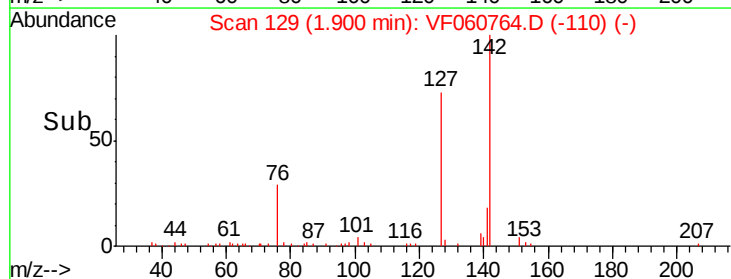
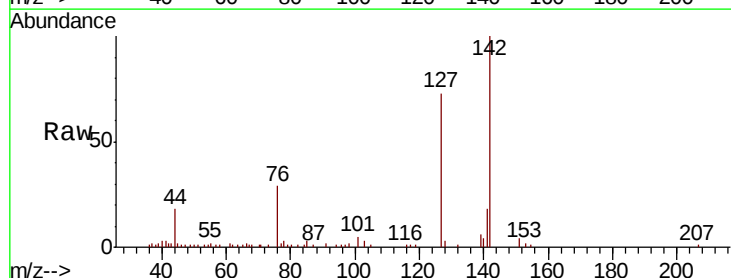
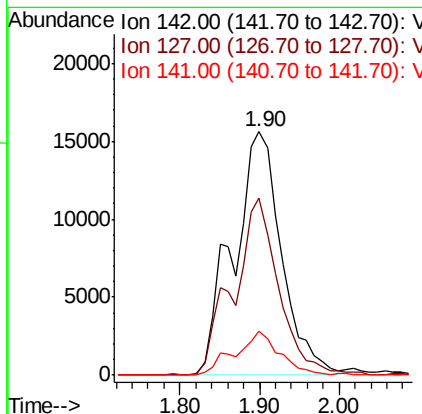
RT: 1.90 min Scan# 129

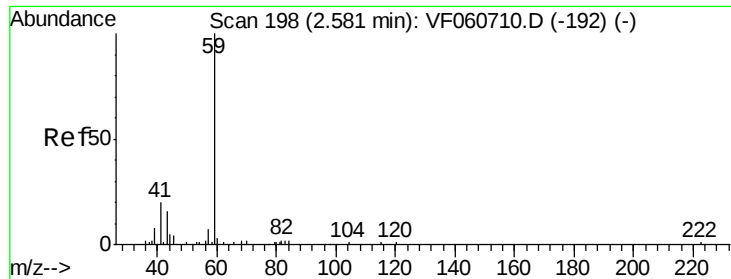
Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion:	142	Resp:	65916
Ion Ratio	Lower	Upper	
142	100		
127	72.8	54.0	81.0
141	17.8	12.3	18.5





#11

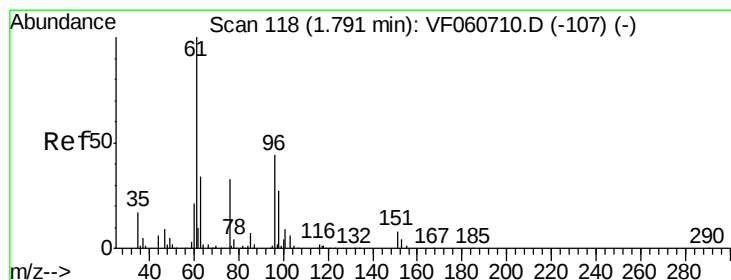
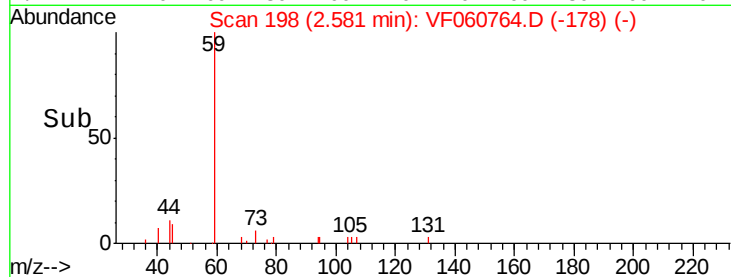
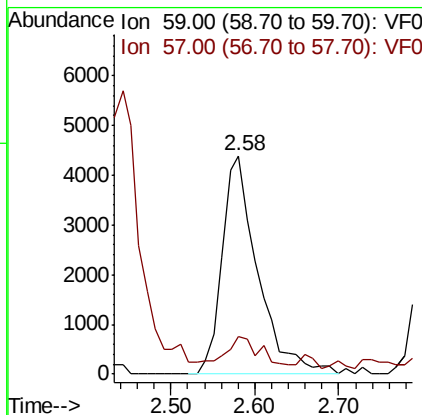
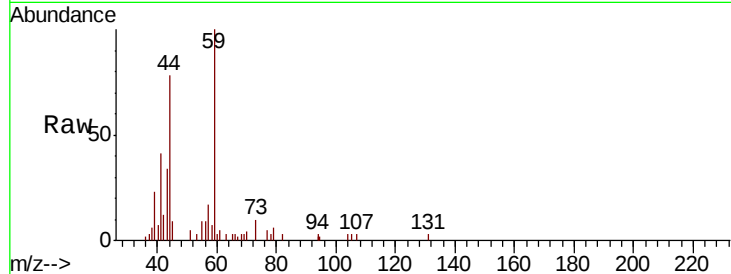
Tert butyl alcohol
Concen: 129.609 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion: 59 Resp: 12917
Ion Ratio Lower Upper
59 100
57 17.2 10.5 15.7#

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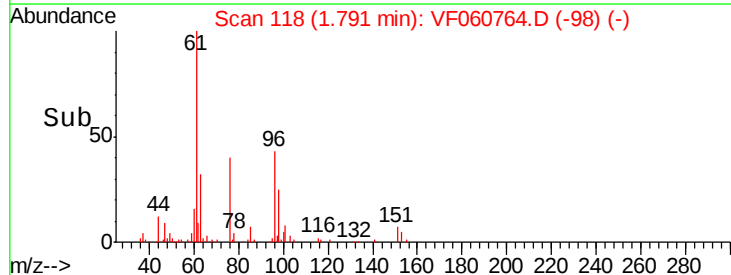
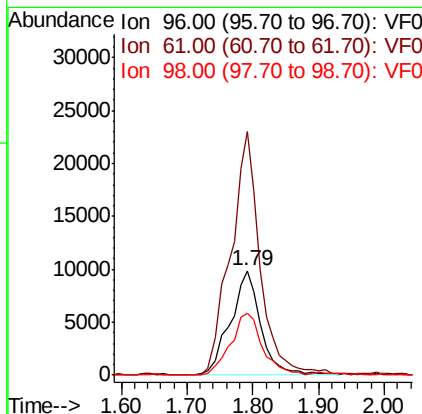
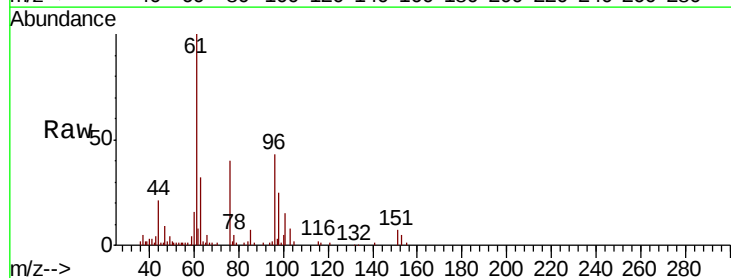
apatel
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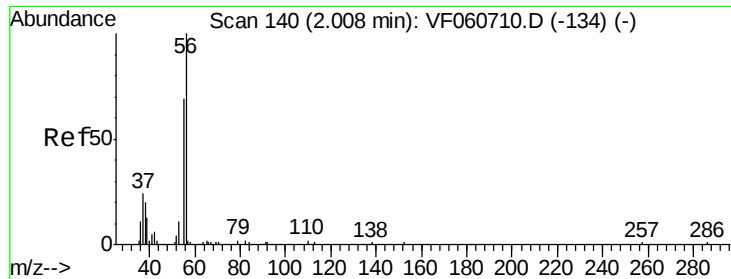


#12

1,1-Dichloroethene
Concen: 20.417 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion: 96 Resp: 31979
Ion Ratio Lower Upper
96 100
61 233.5 182.2 273.2
98 58.9 49.2 73.8





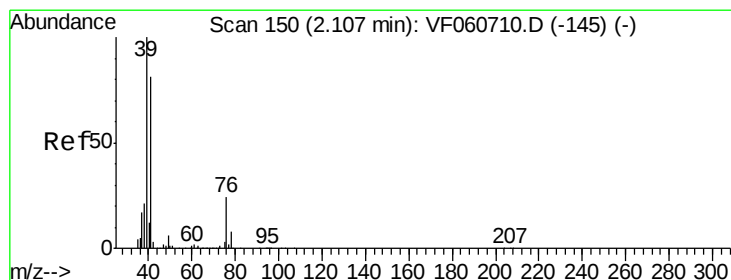
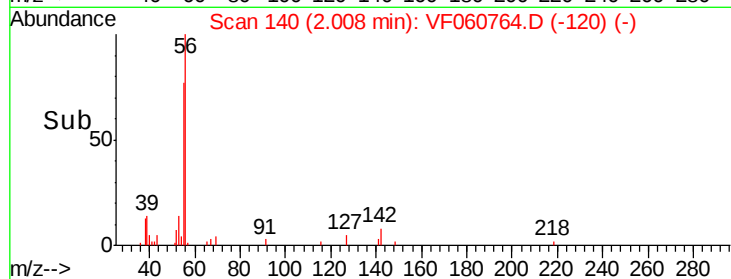
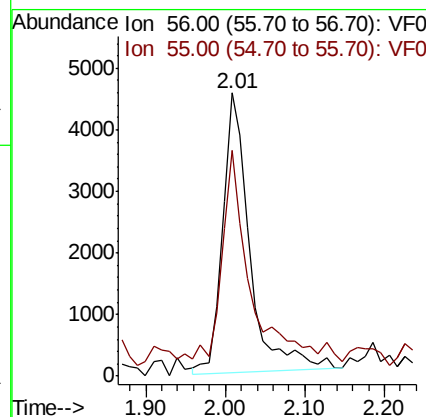
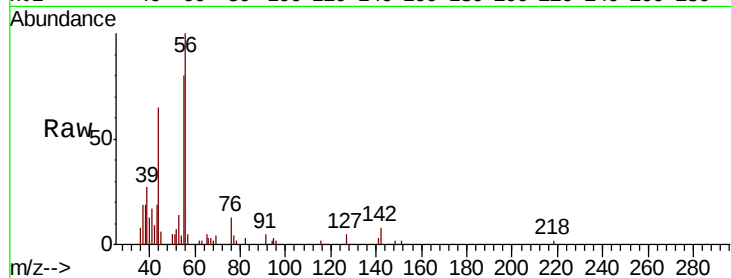
#13
Acrolein
Concen: 119.967 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	56	Resp	10932
Ion Ratio	100	Lower	Upper
55	79.9	56.6	85.0

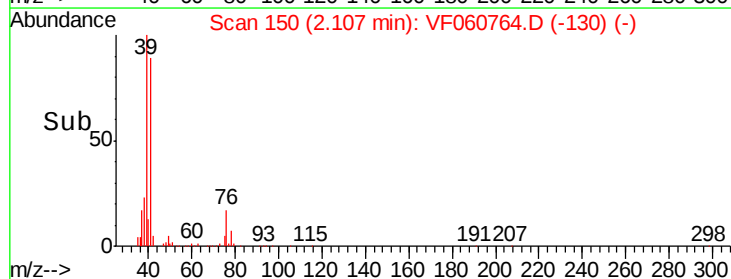
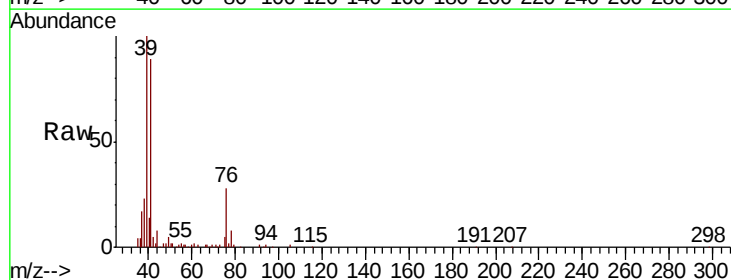
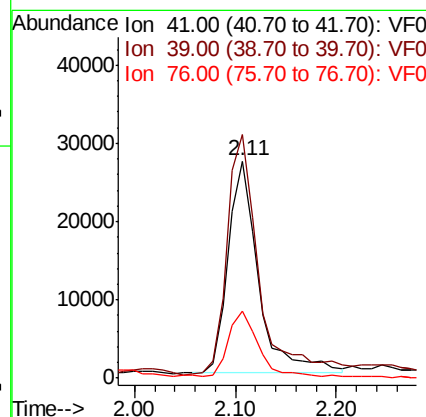
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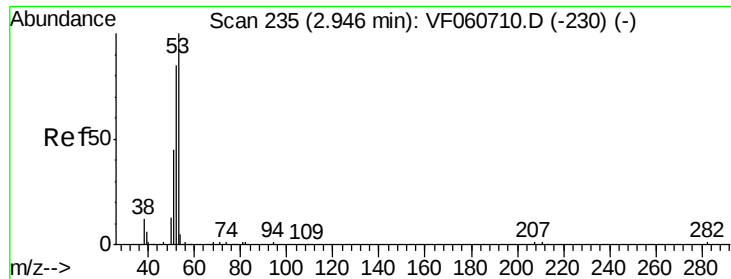
apatel
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#14
Allyl chloride
Concen: 20.888 ug/l
RT: 2.11 min Scan# 150
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	41	Resp	57316
Ion Ratio	100	Lower	Upper
39	112.3	98.5	147.7
76	30.9	24.5	36.7





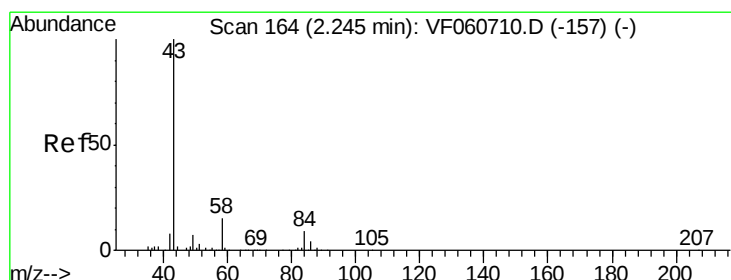
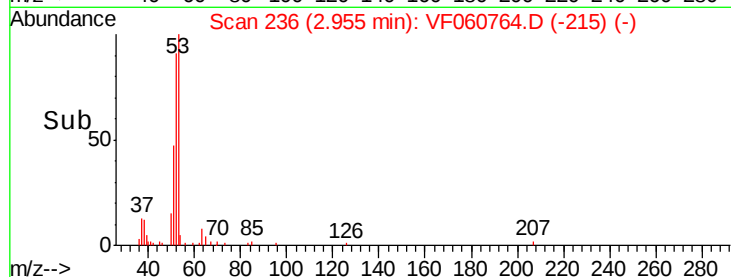
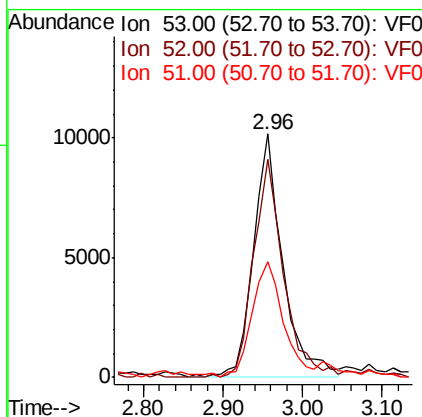
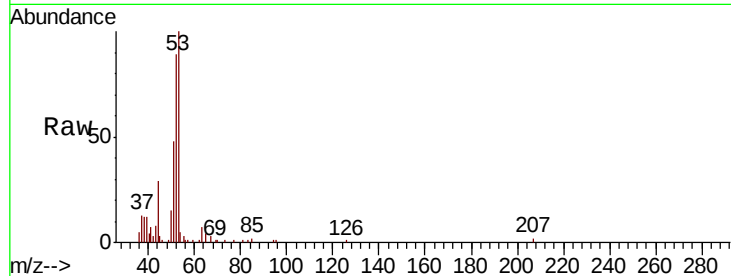
#15
 Acrylonitrile
 Concen: 121.476 ug/l
 RT: 2.96 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion:	53	Resp:	25797
Ion	Ratio	Lower	Upper
53	100		
52	89.4	68.8	103.2
51	47.6	36.7	55.1

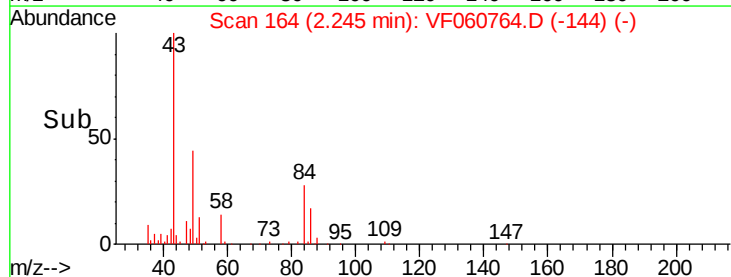
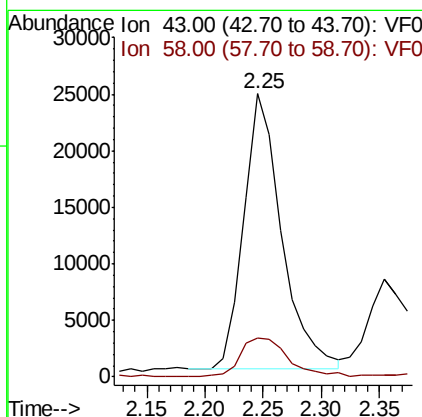
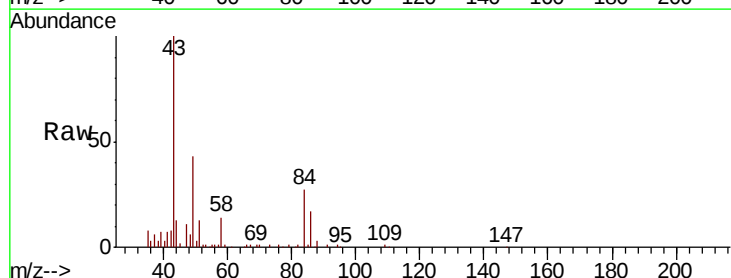
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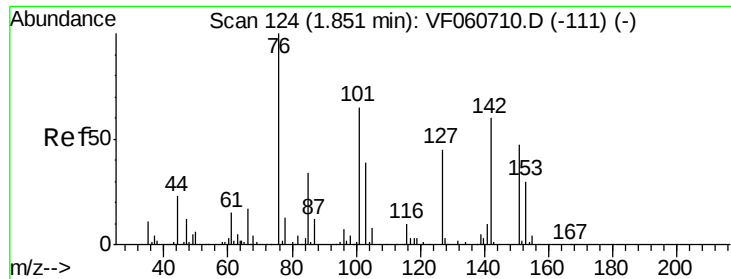
apatel
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#16
 Acetone
 Concen: 117.959 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion:	43	Resp:	55212
Ion	Ratio	Lower	Upper
43	100		
58	13.7	11.6	17.4





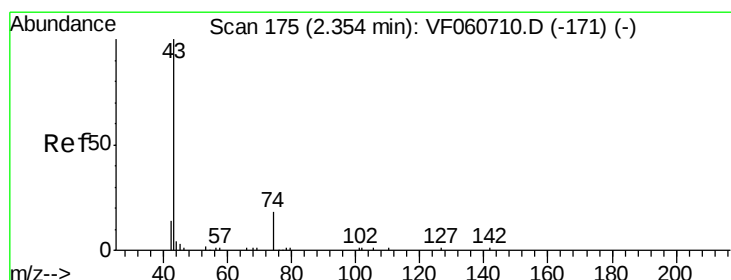
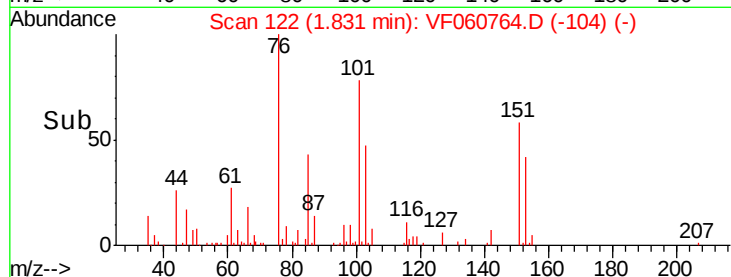
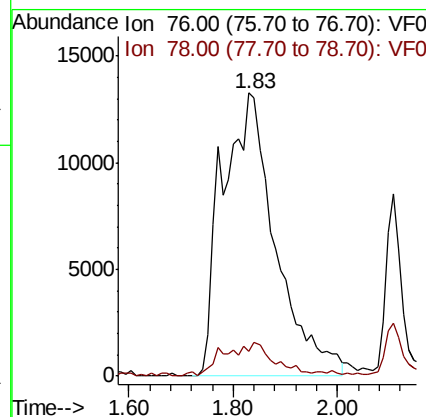
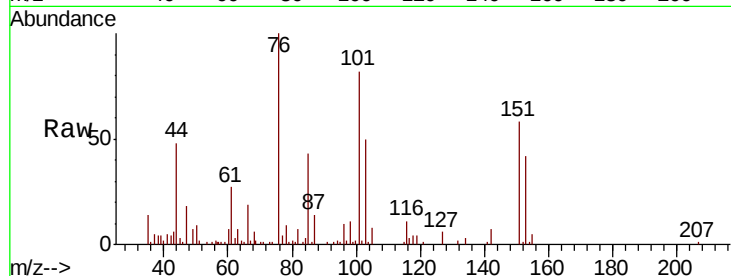
#17
Carbon Disulfide
Concen: 19.566 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion: 76 Resp: 92625
Ion Ratio Lower Upper
76 100
78 8.9 10.5 15.7#

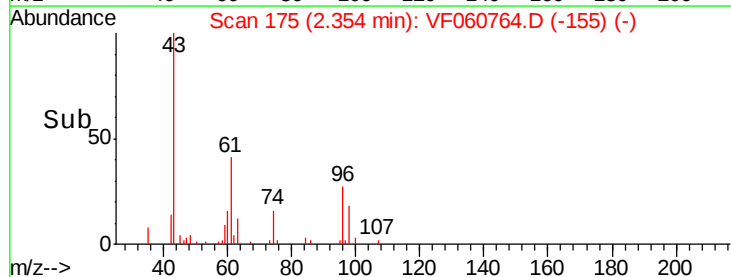
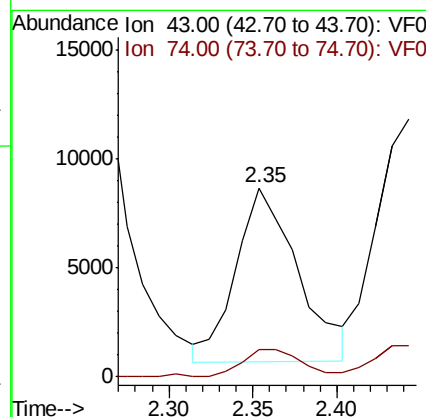
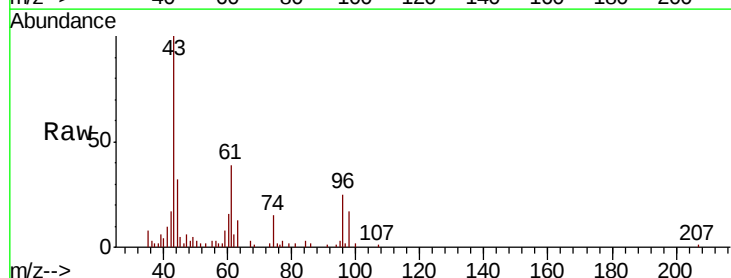
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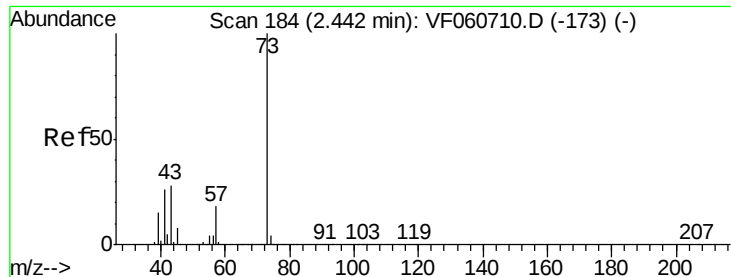
apatel
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#18
Methyl Acetate
Concen: 26.643 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion: 43 Resp: 20477
Ion Ratio Lower Upper
43 100
74 14.8 11.8 17.8





#19

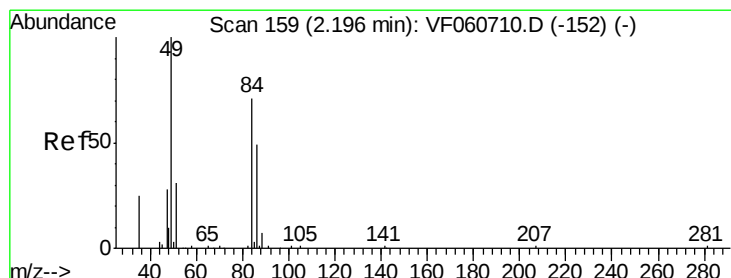
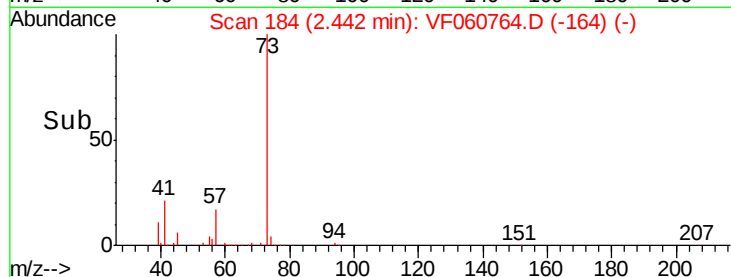
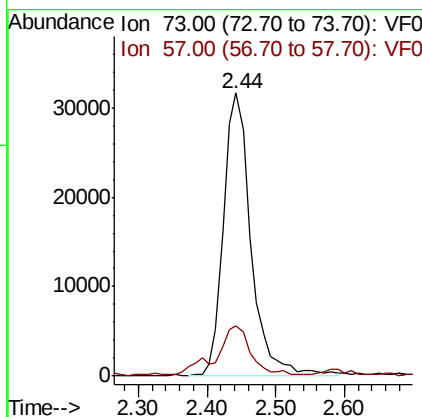
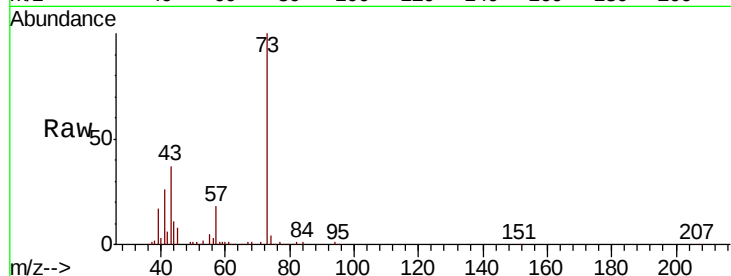
Methyl tert-butyl Ether
 Concen: 23.422 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	14.3	21.5

Manual Integrations
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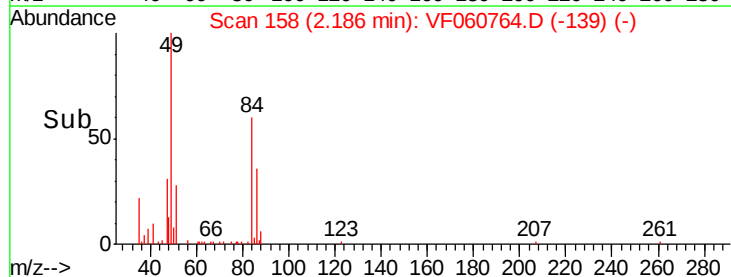
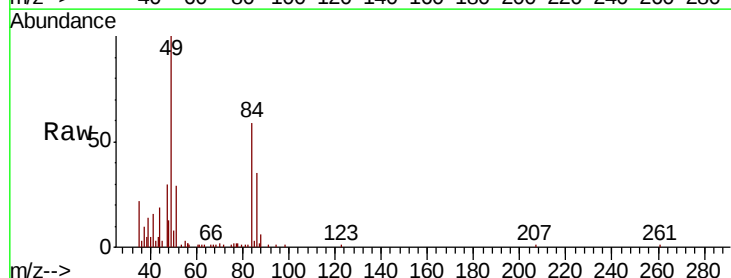
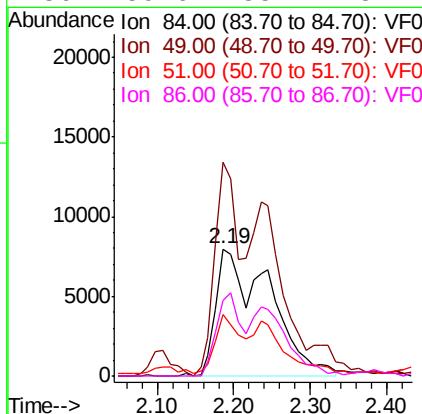
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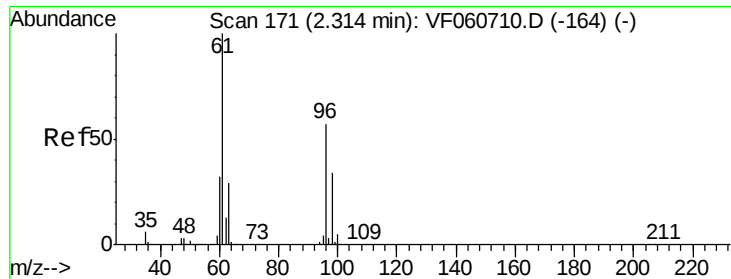


#20

Methylene Chloride
 Concen: 23.655 ug/l m
 RT: 2.19 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	168.4	120.2	180.4
51	48.9	37.2	55.8
86	59.6	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 21.750 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

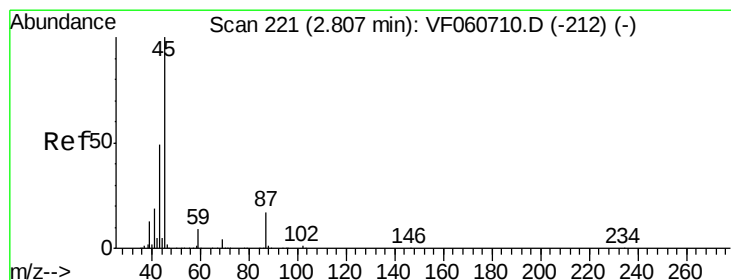
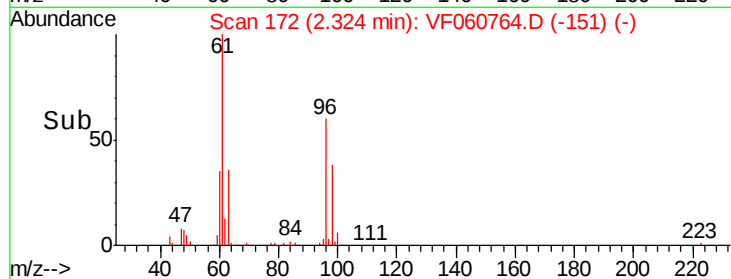
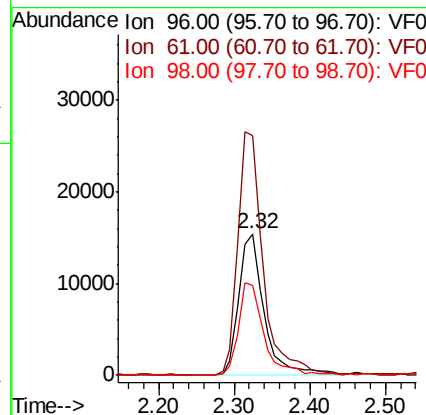
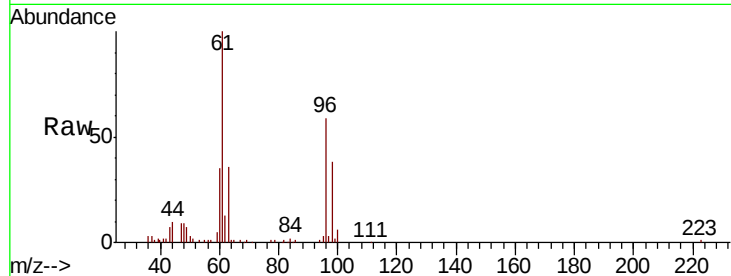
ClientSampleId :

VF1116SBSD01

Tot Ion:	96	Resp:	35593
Ion	Ratio	Lower	Upper
96	100		
61	170.0	141.6	212.4
98	63.9	47.4	71.0

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#22

Diisopropyl ether

Concen: 22.265 ug/l

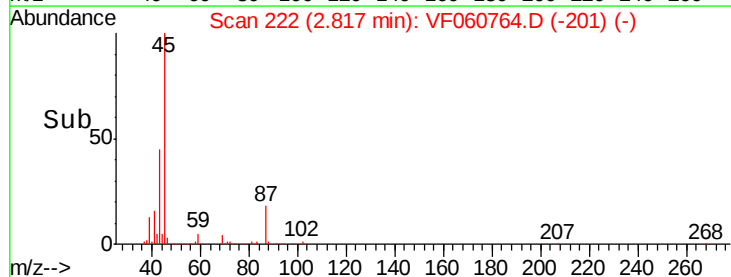
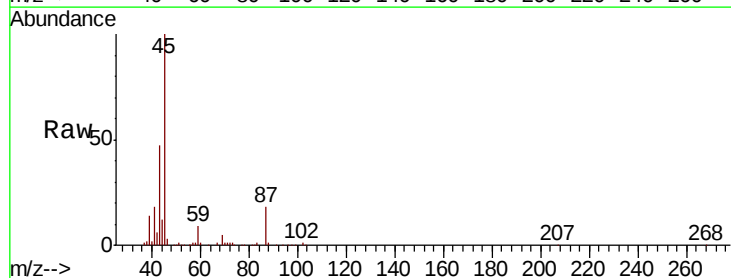
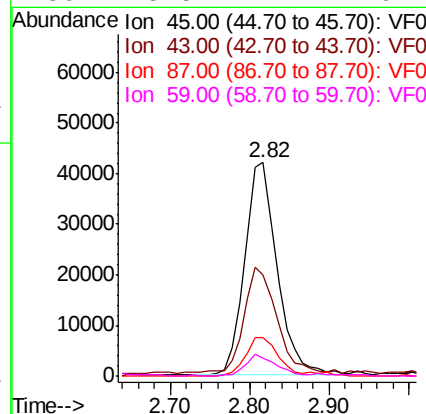
RT: 2.82 min Scan# 222

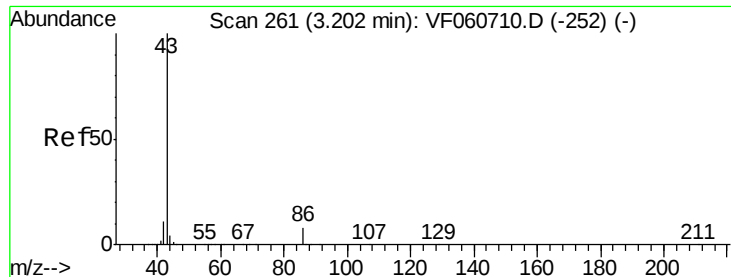
Delta R.T. 0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion:	45	Resp:	117950
Ion	Ratio	Lower	Upper
45	100		
43	47.1	39.9	59.9
87	18.1	13.9	20.9
59	8.5	7.1	10.7





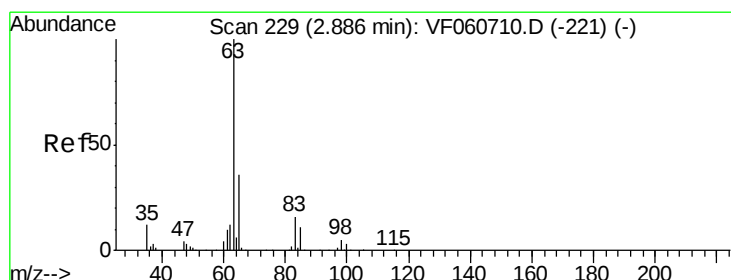
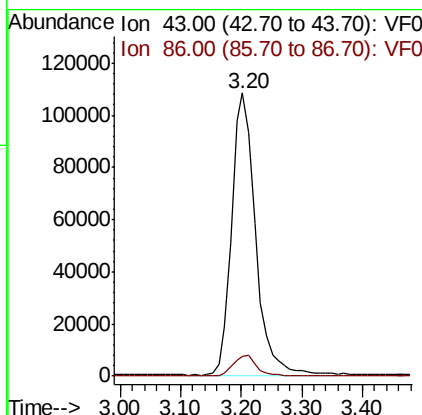
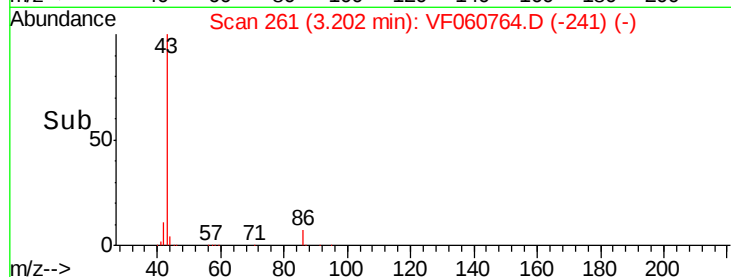
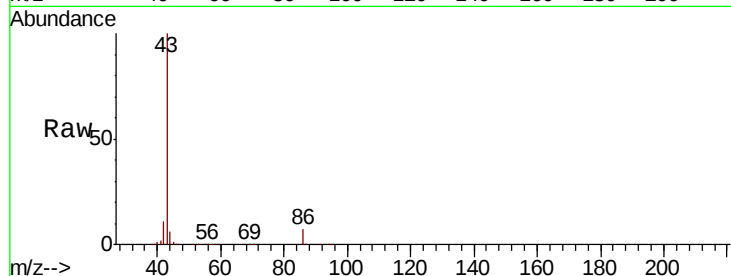
#23
 Vinyl Acetate
 Concen: 118.919 ug/l
 RT: 3.20 min Scan# 261
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.4	9.6

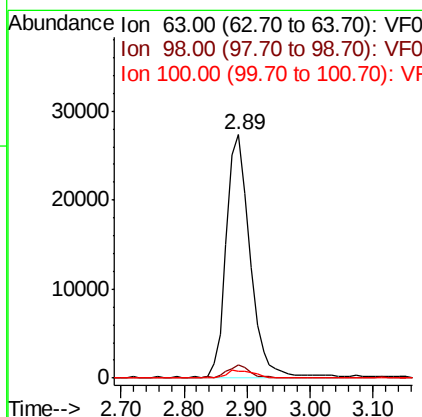
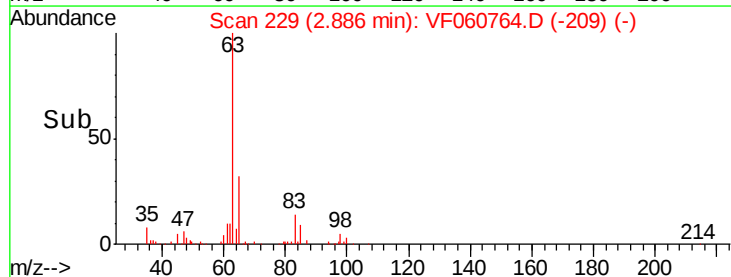
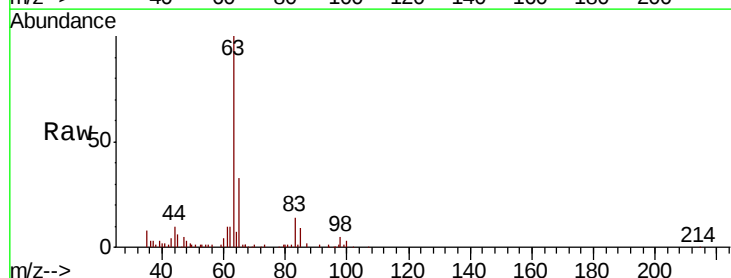
Manual Integrations
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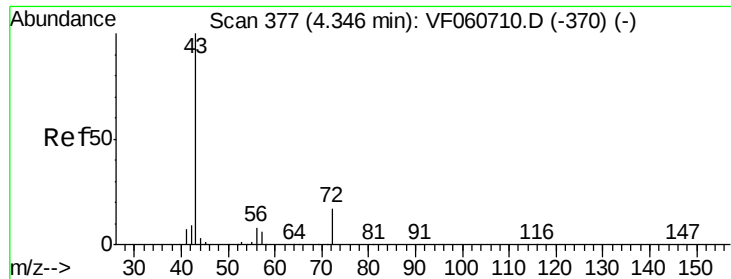
apatel
 11/19/2018 12:33:17 PM



#24
 1,1-Dichloroethane
 Concen: 22.672 ug/l
 RT: 2.89 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.4	7.1
100	3.0	1.4	4.2





#25

2-Butanone

Concen: 118.744 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 43 Resp: 91419

Ion Ratio Lower Upper

43 100

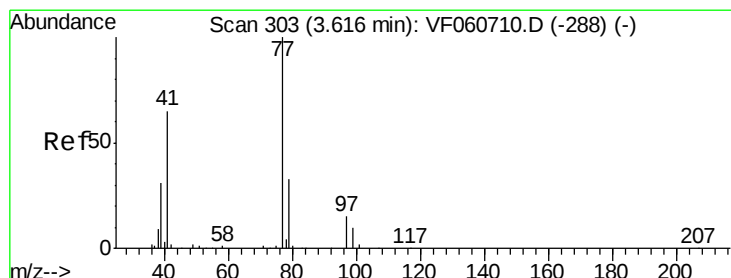
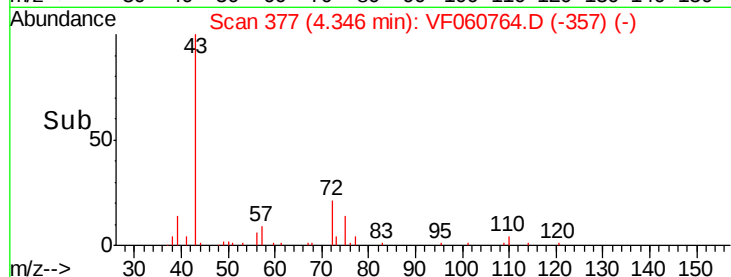
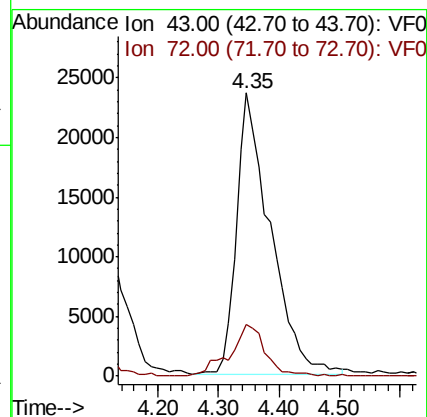
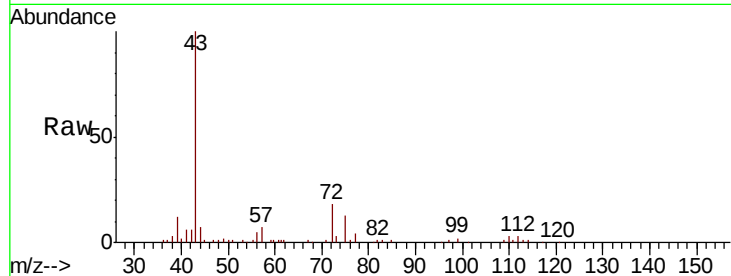
72 18.2 16.1 24.1

Manual Integrations

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apatel

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#26

2,2-Dichloropropane

Concen: 19.667 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF060764.D

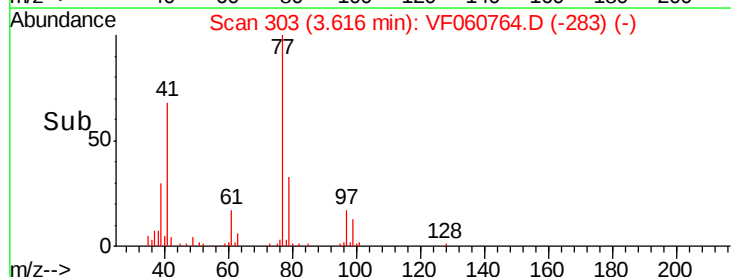
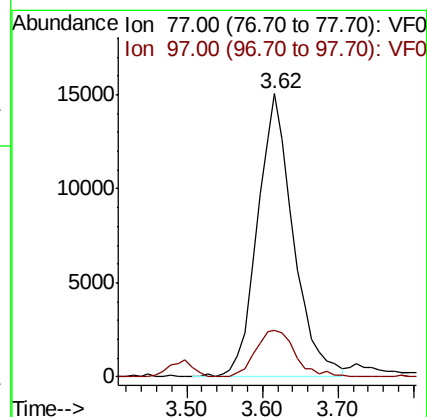
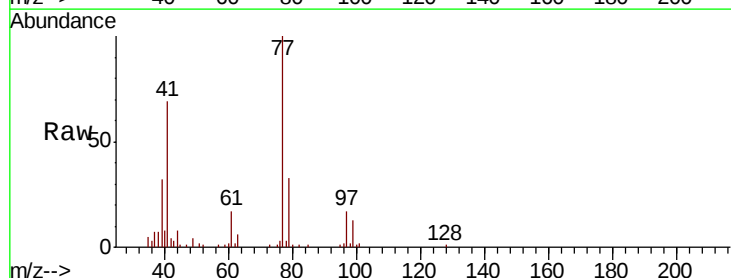
Acq: 16 Nov 2018 14:36

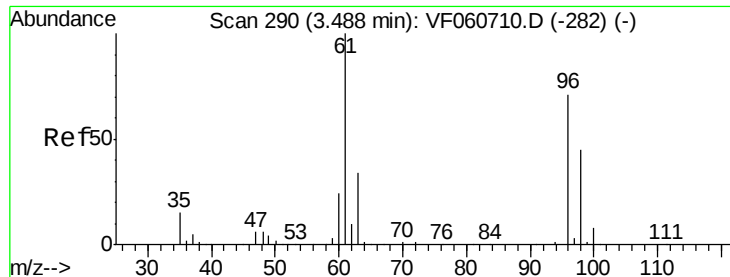
Tgt Ion: 77 Resp: 49636

Ion Ratio Lower Upper

77 100

97 16.6 8.8 26.5





#27

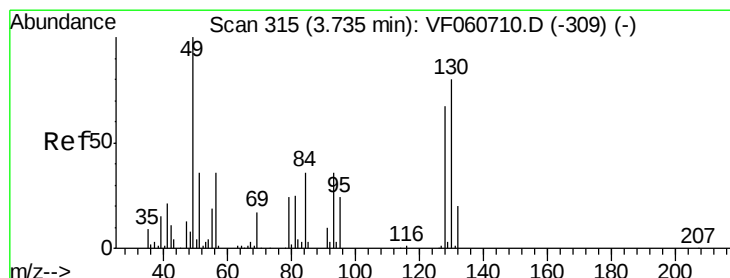
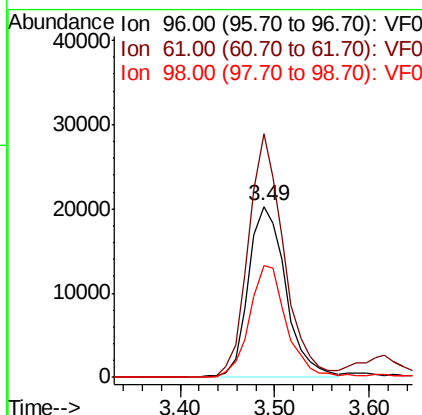
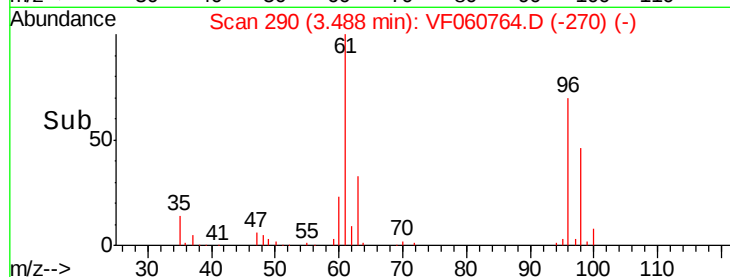
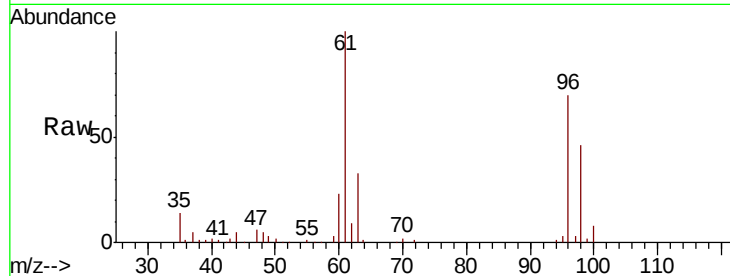
cis-1,2-Dichloroethene
Concen: 20.089 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	55925		
61	142.6		0.0	280.6
98	65.2		0.0	127.6

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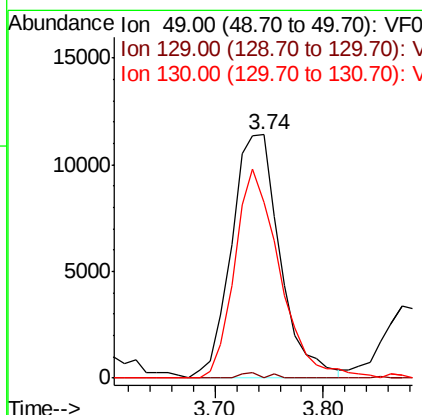
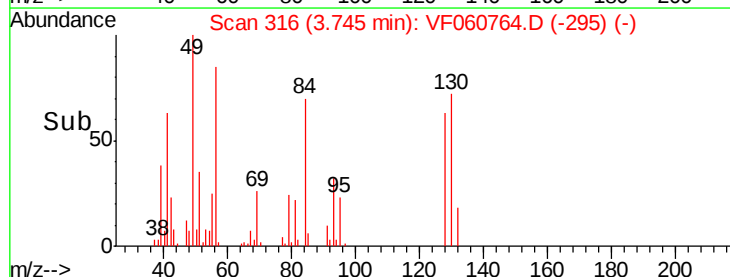
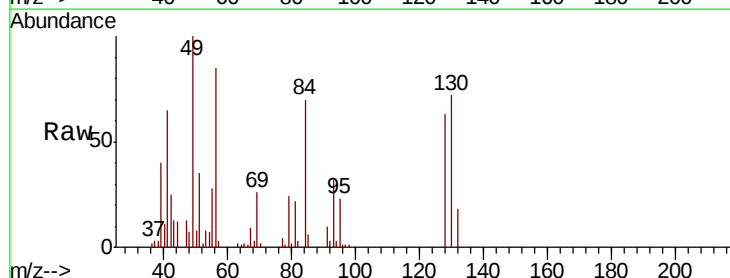
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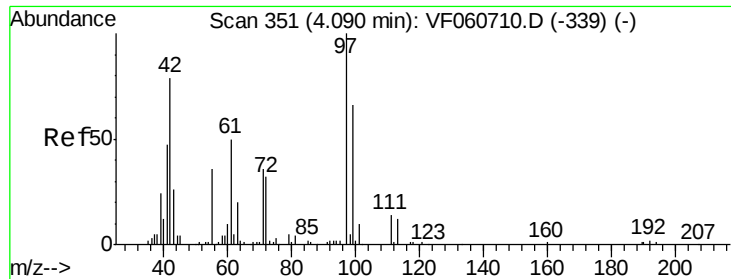


#28

Bromochloromethane
Concen: 21.463 ug/l
RT: 3.74 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35774		
129	0.0		0.0	5.2
130	72.0		63.9	95.9





#29

Tetrahydrofuran

Concen: 127.855 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

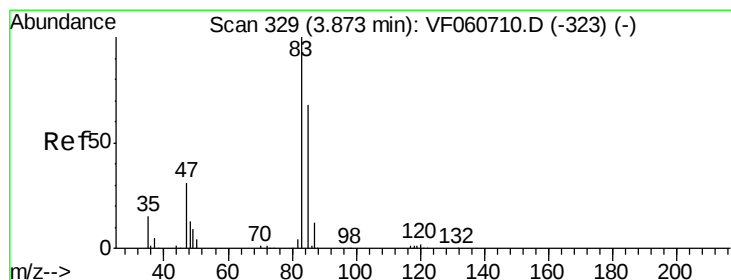
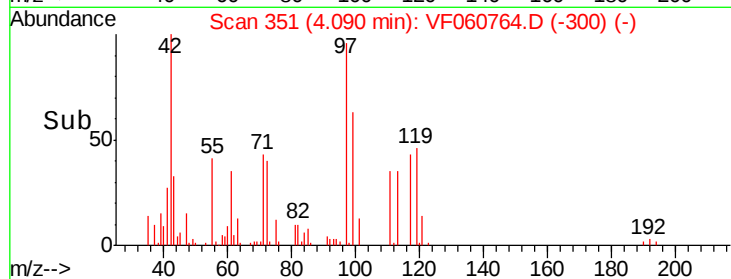
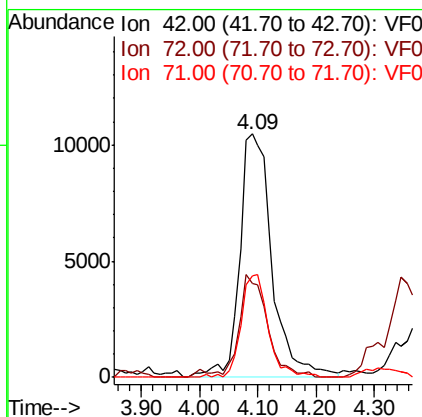
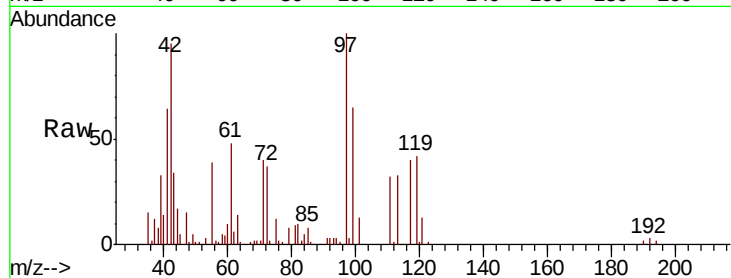
ClientSampleId :

VF1116SBS01

Tot Ion:	42	Resp:	40602
Ion Ratio	Lower	Upper	
42	100		
72	36.7	30.3	45.5
71	35.2	32.2	48.2

Manual Integrations
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#30

Chloroform

Concen: 19.495 ug/l

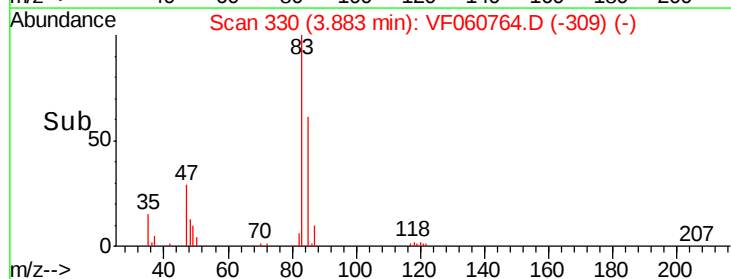
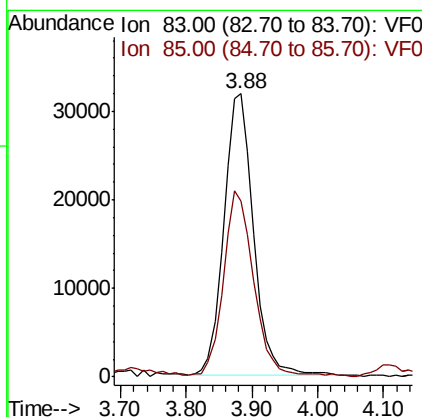
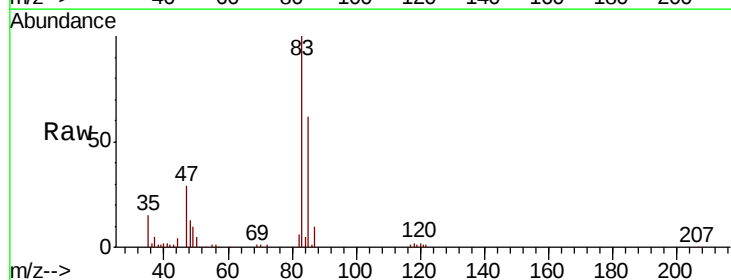
RT: 3.88 min Scan# 330

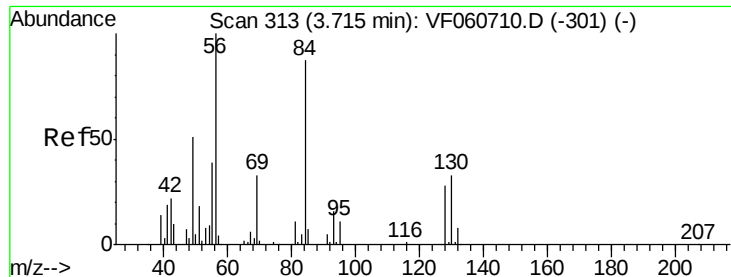
Delta R.T. 0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion:	83	Resp:	100317
Ion Ratio	Lower	Upper	
83	100		
85	62.2	54.6	82.0





#31

Cyclohexane

Concen: 20.732 ug/l

RT: 3.71 min Scan# 313

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

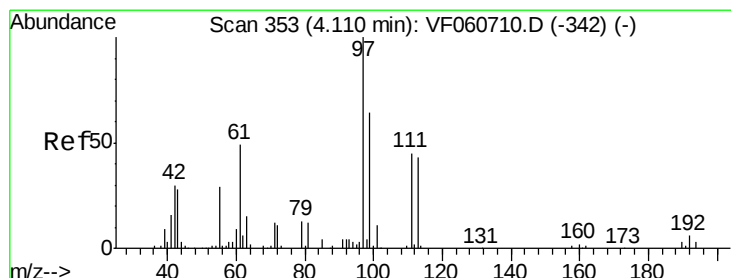
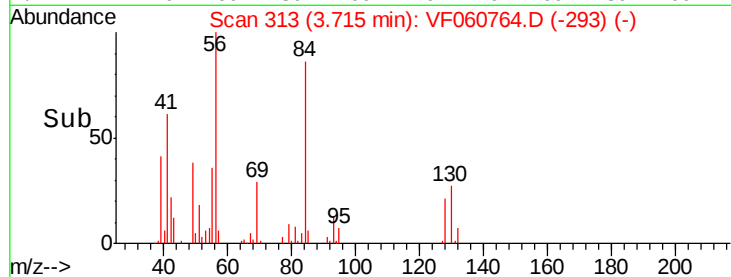
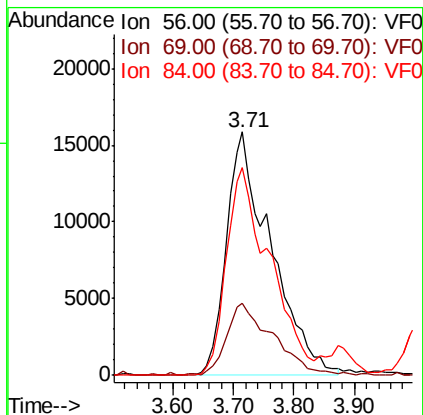
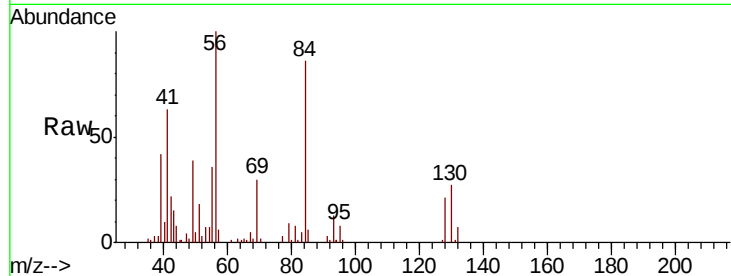
ClientSampleId :

VF1116SBS01

Tot Ion:	56	Resp:	80703
Ion Ratio	Lower	Upper	
56	100		
69	29.6	26.0	39.0
84	85.6	69.4	104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.383 ug/l

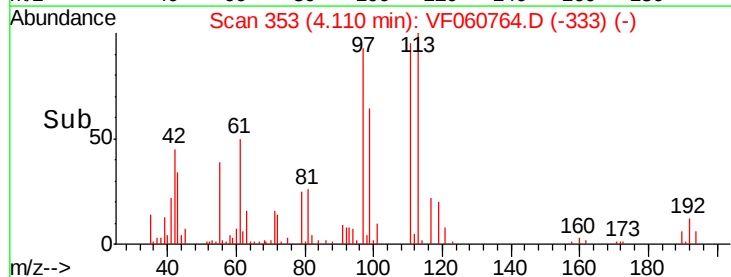
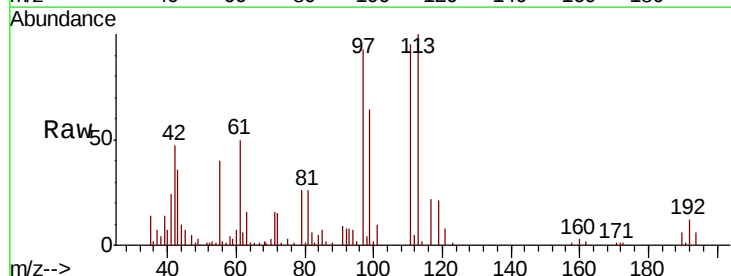
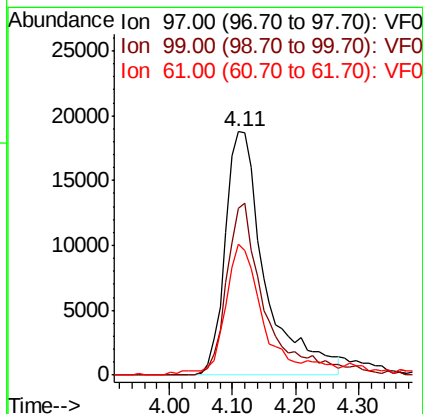
RT: 4.11 min Scan# 353

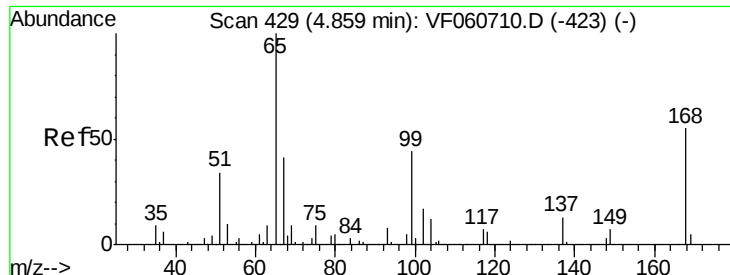
Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion:	97	Resp:	82597
Ion Ratio	Lower	Upper	
97	100		
99	68.5	51.1	76.7
61	53.8	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 48.092 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tot Ion: 65 Resp: 105313

Ion Ratio Lower Upper

65 100

67 46.2 0.0 90.2

Instrument :

MSVOA_F

ClientSampleId :

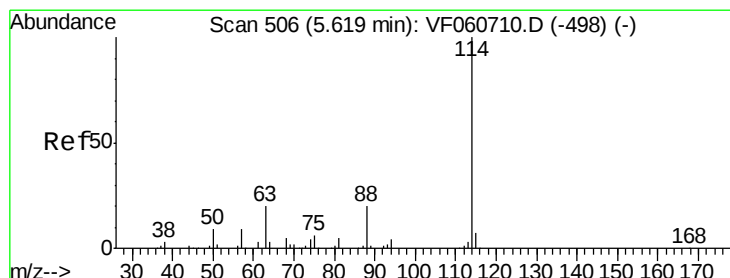
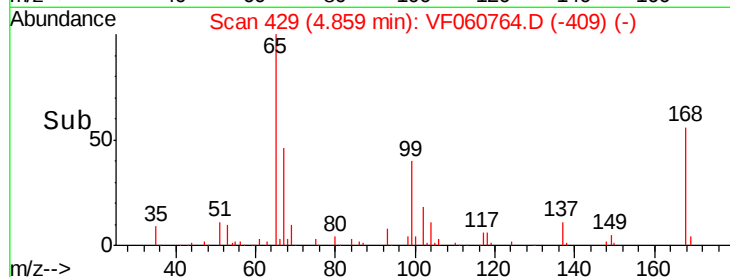
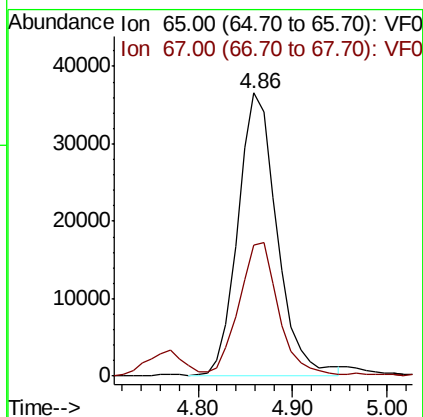
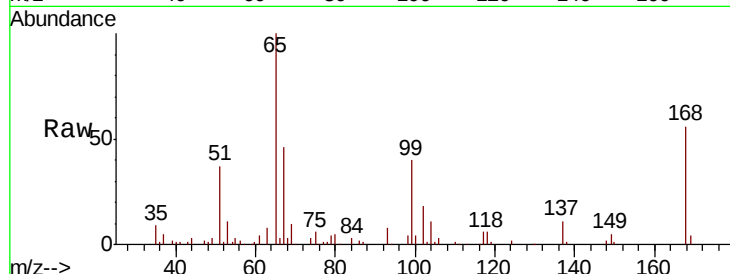
VF1116SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

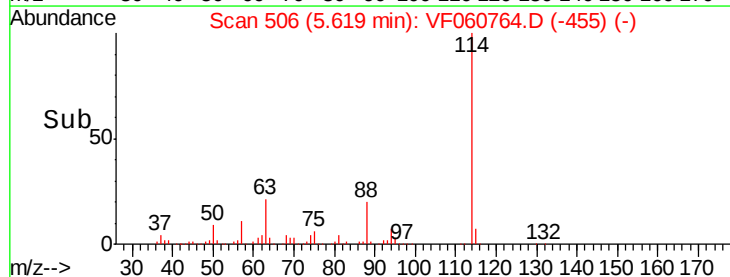
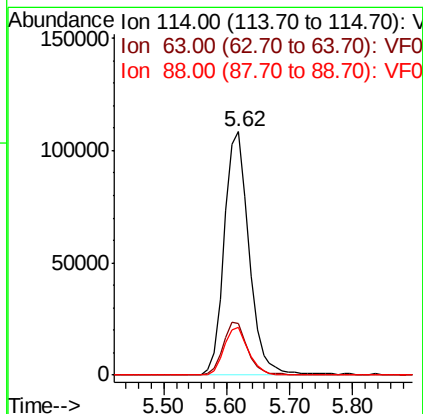
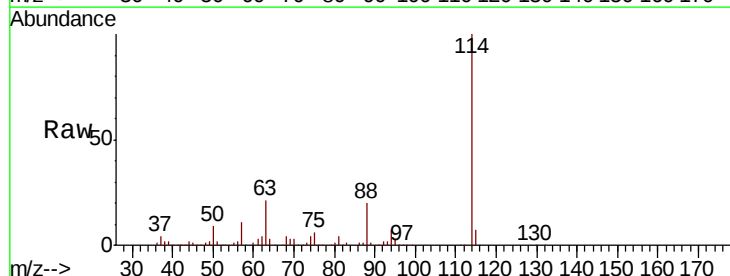
Tgt Ion: 114 Resp: 295971

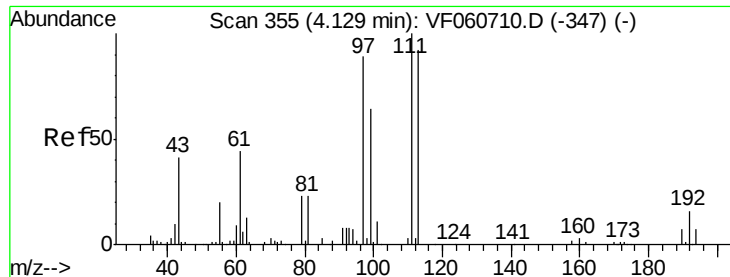
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 19.6 0.0 39.6





#35

Dibromofluoromethane

Concen: 51.581 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion:113 Resp: 114756

Ion Ratio Lower Upper

113 100

111 100.4 87.1 130.7

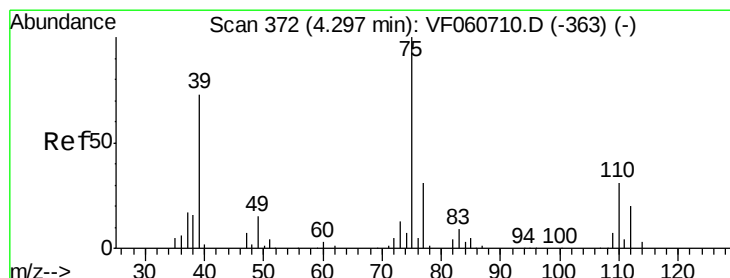
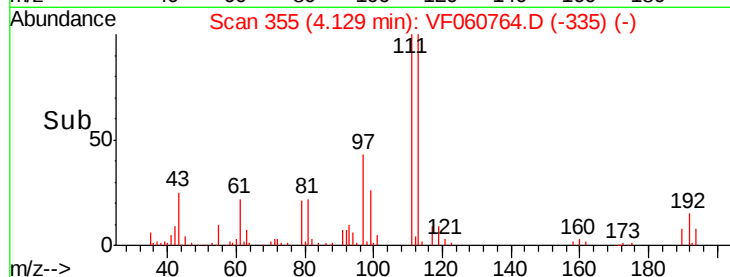
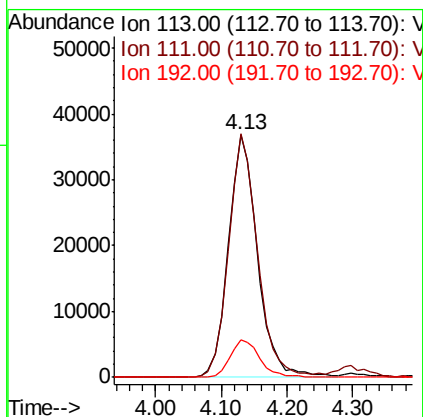
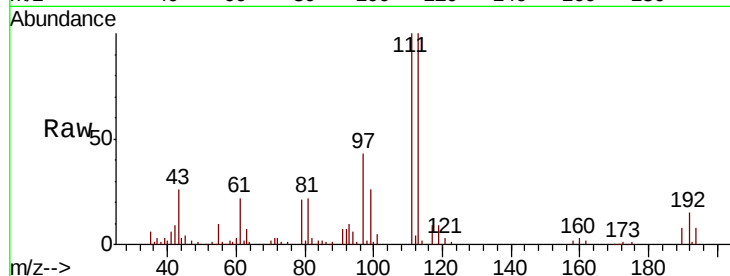
192 16.1 13.8 20.6

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 22.295 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

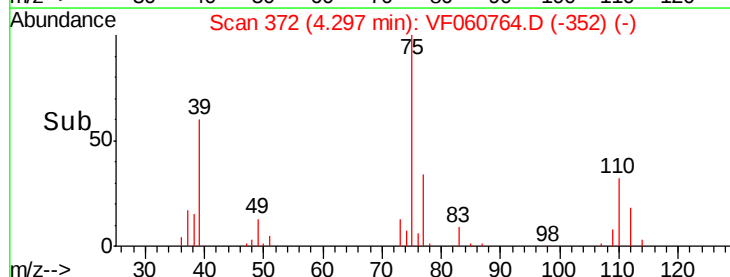
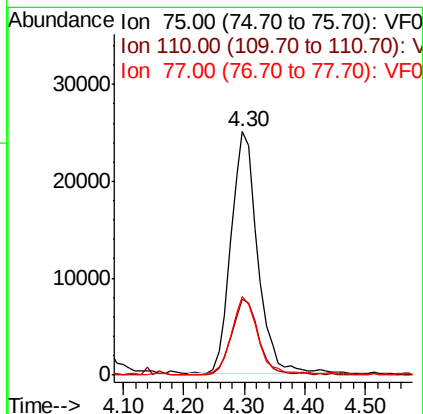
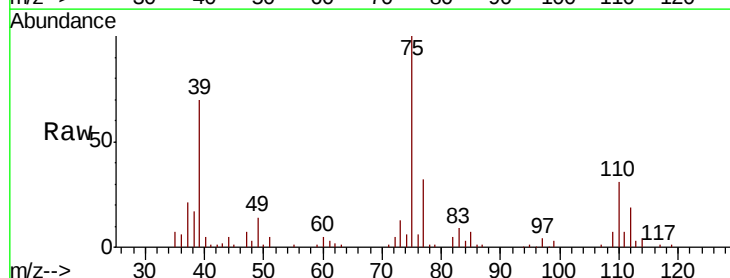
Tgt Ion: 75 Resp: 76528

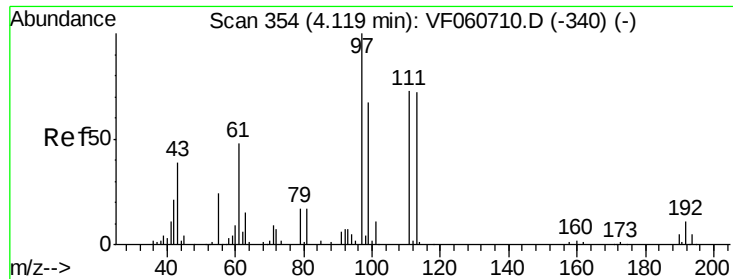
Ion Ratio Lower Upper

75 100

110 31.0 15.6 46.8

77 32.2 25.0 37.6





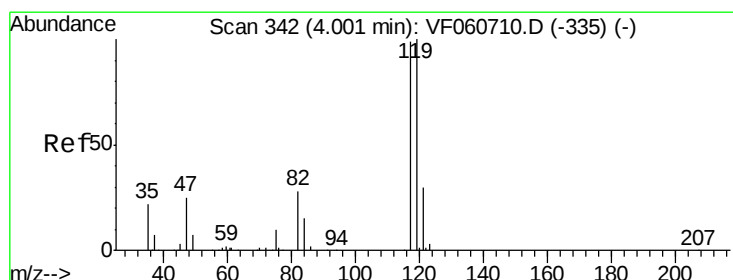
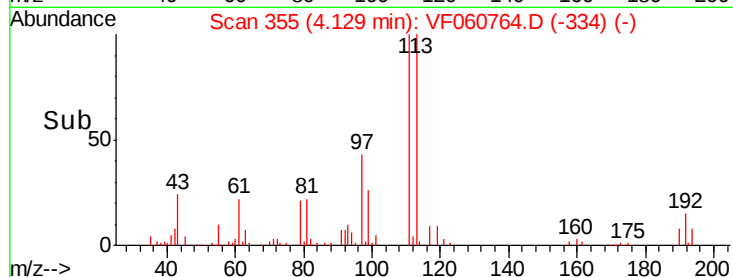
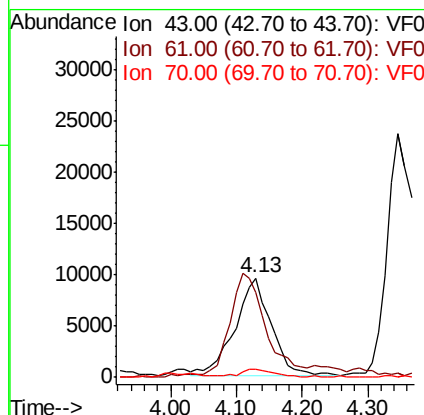
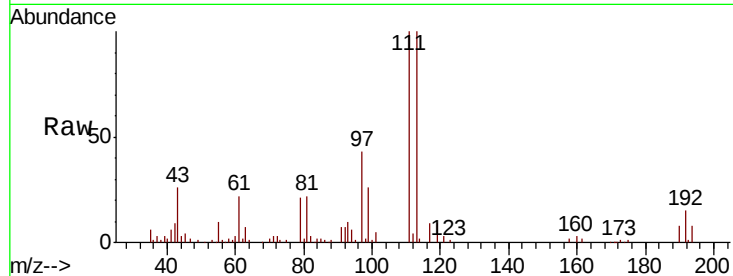
#37
Ethyl Acetate
Concen: 29.029 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
37045	100	85.5	8.7			
		98.5	7.4			
		147.7	11.0			

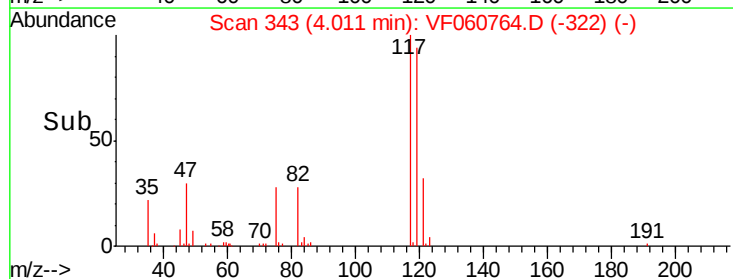
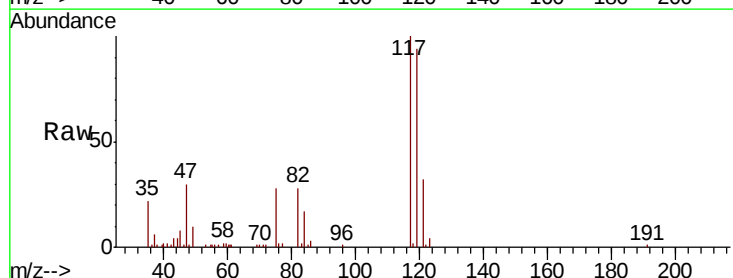
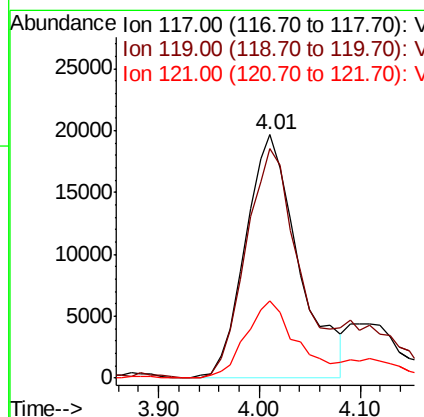
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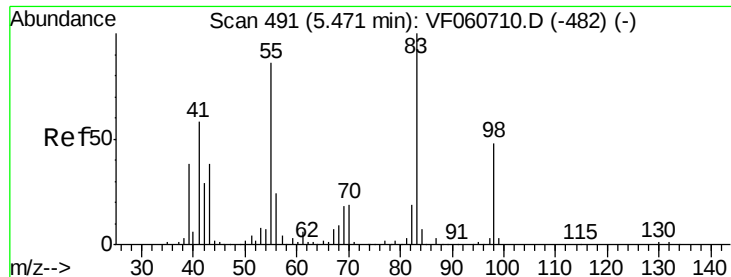
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#38
Carbon Tetrachloride
Concen: 21.593 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	117	119	121	Ratio	Lower	Upper
71920	100	94.0	31.6			
		80.7	24.3			
		121.1	36.5			





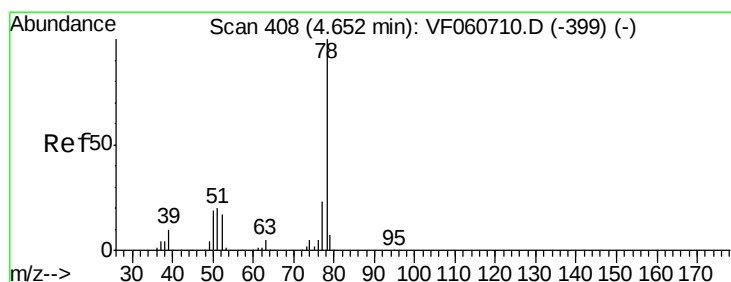
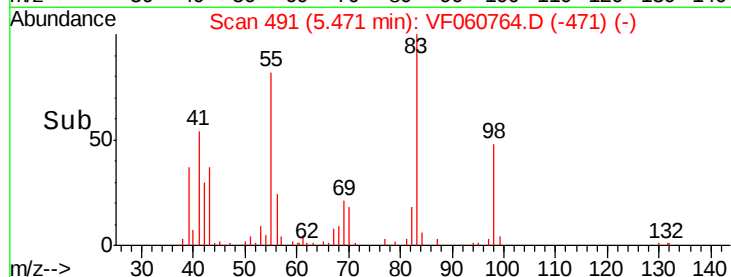
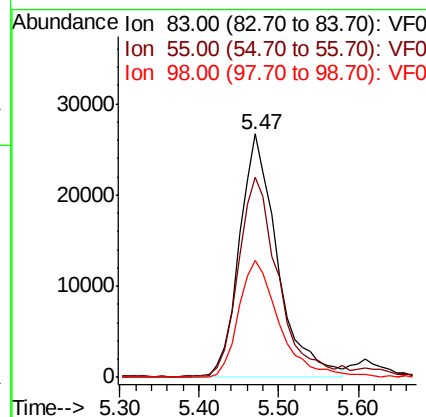
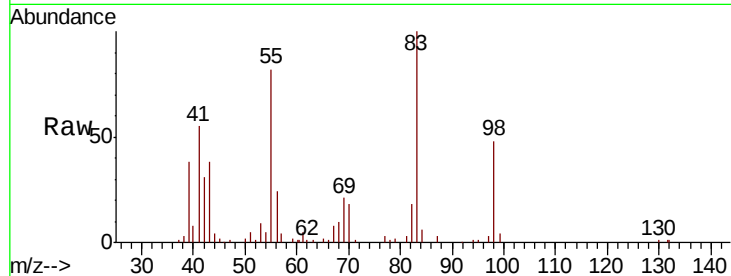
#39
Methvlcvclohexane
Concen: 22.227 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	69.0	103.4
98	47.8	38.5	57.7

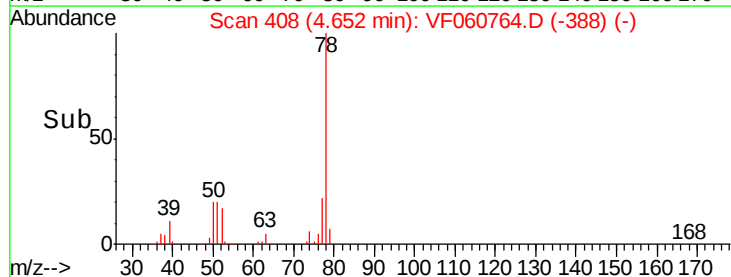
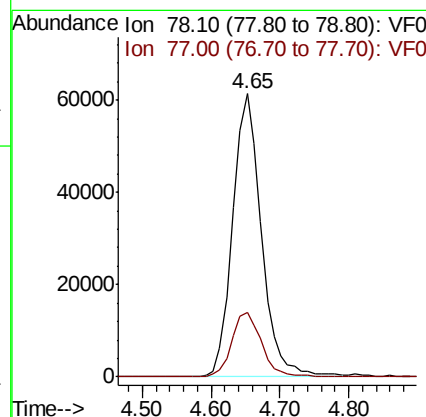
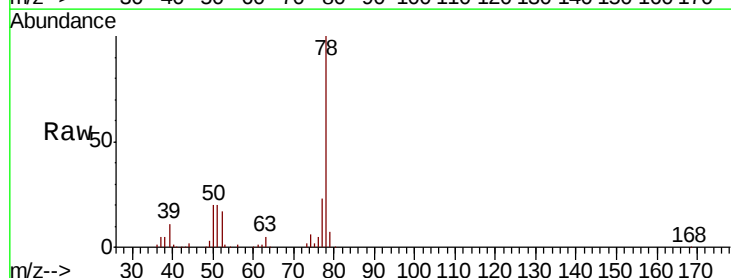
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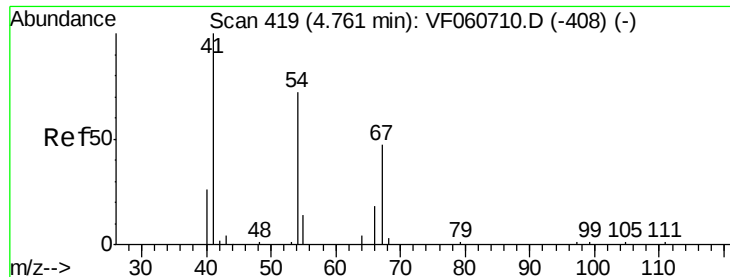
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#40
Benzene
Concen: 23.234 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	28.0





#41

Methacrylonitrile

Concen: 23.686 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 41 Resp: 17666

Ion Ratio Lower Upper

41 100

39 68.1 47.1 70.7

67 48.7 37.1 55.7

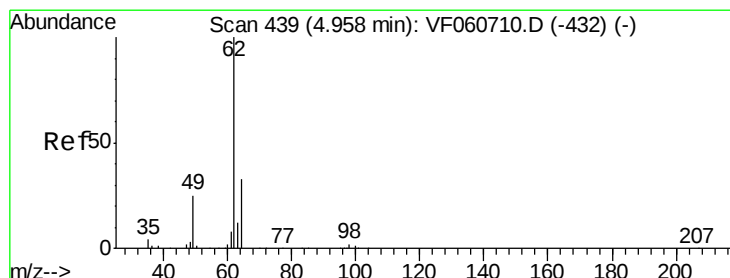
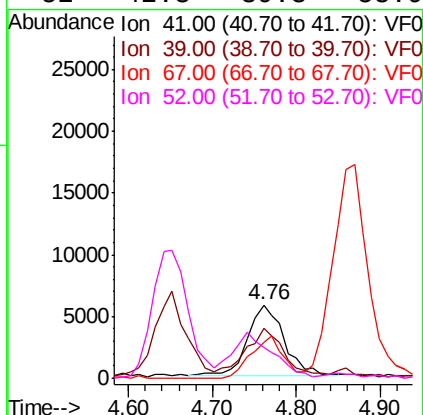
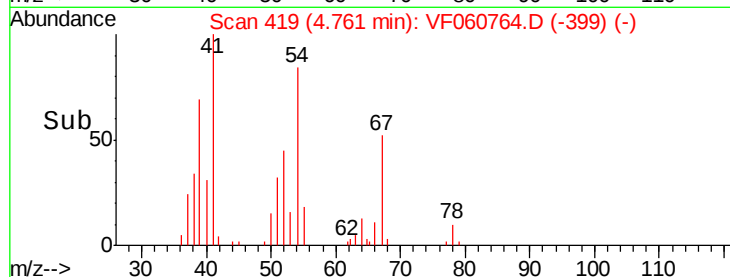
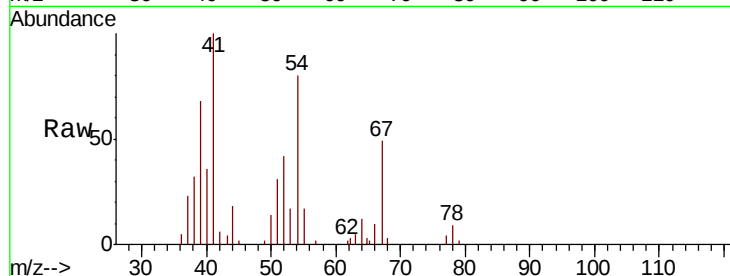
52 42.3 39.3 58.9

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 22.897 ug/l

RT: 4.96 min Scan# 439

Delta R.T. -0.00 min

Lab File: VF060764.D

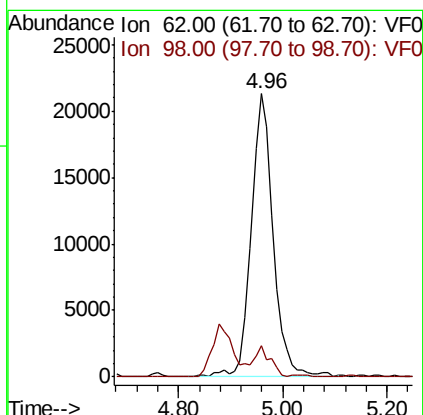
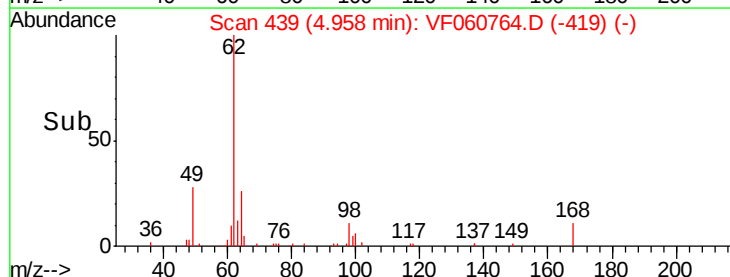
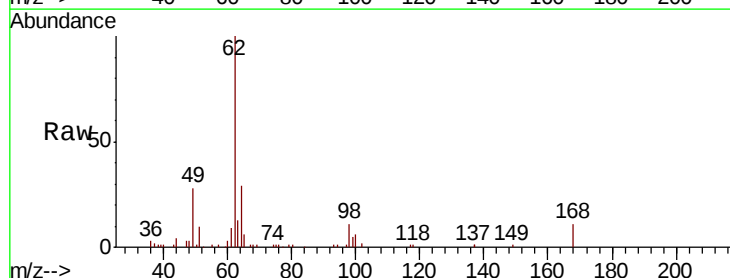
Acq: 16 Nov 2018 14:36

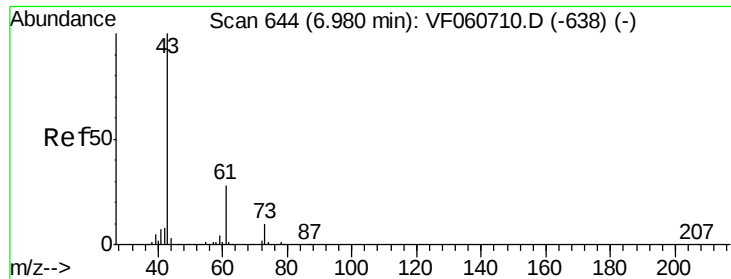
Tgt Ion: 62 Resp: 60544

Ion Ratio Lower Upper

62 100

98 11.2 0.0 16.6





#43

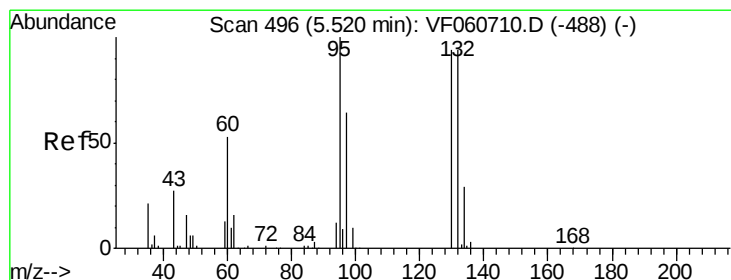
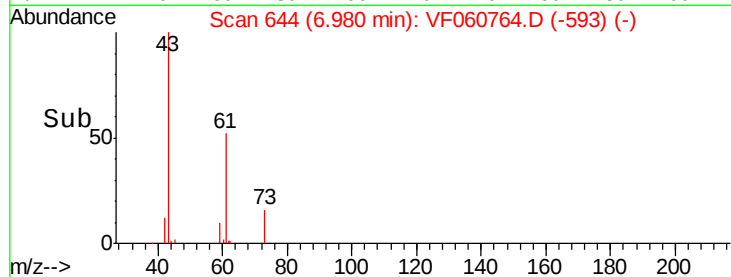
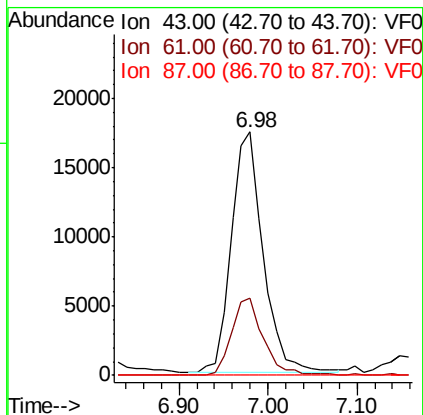
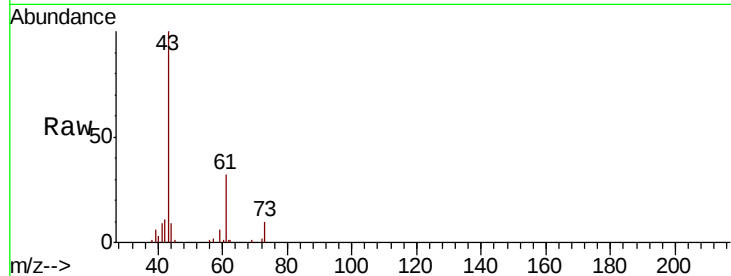
Isopropyl Acetate
 Concen: 25.694 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	22.2	33.4
87	0.0	0.4	0.6

Manual Integrations
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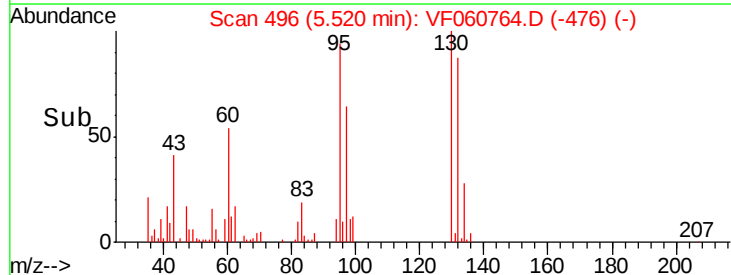
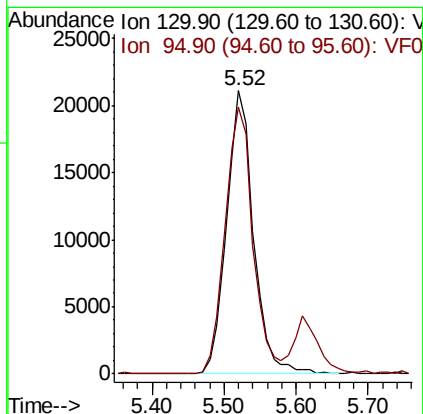
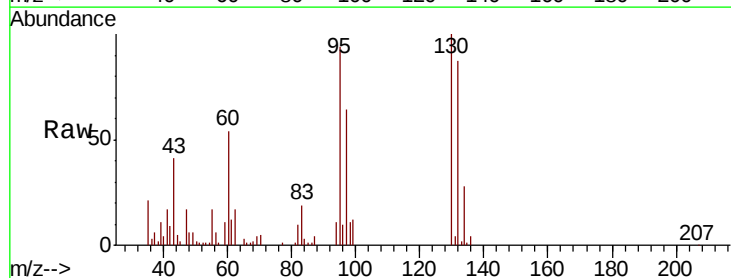
apatel
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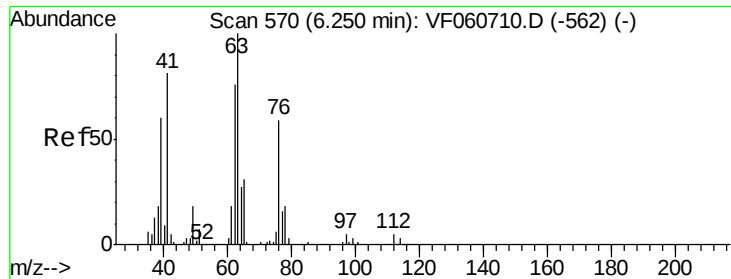


#44

Trichloroethene
 Concen: 22.686 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	212.6





#45

1,2-Dichloropropane

Concen: 22.184 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 63 Resp: 44170

Ion Ratio Lower Upper

63 100

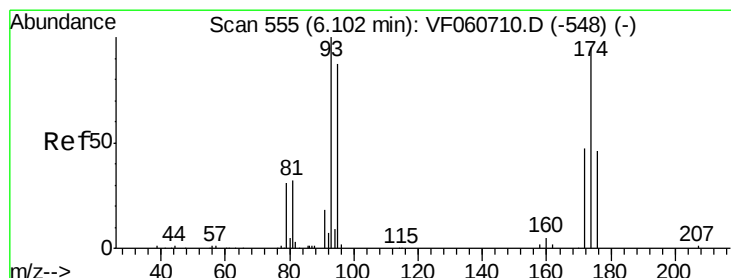
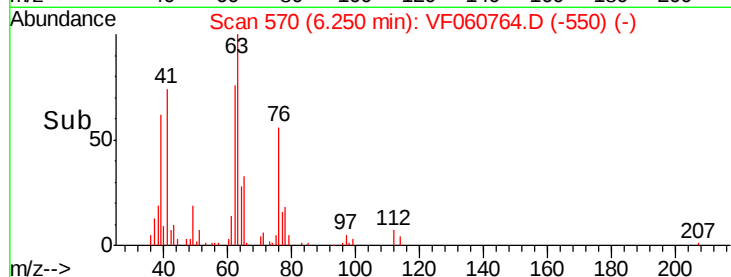
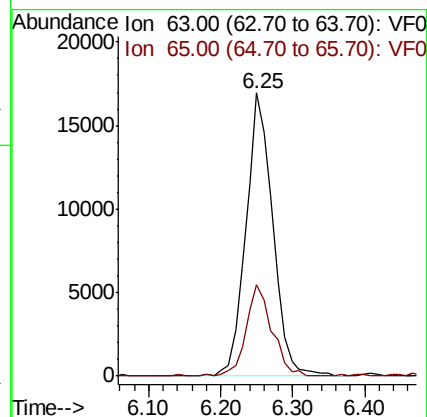
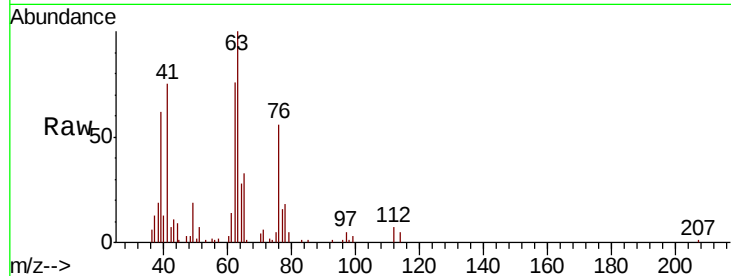
65 32.5 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 22.176 ug/l

RT: 6.10 min Scan# 555

Delta R.T. 0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

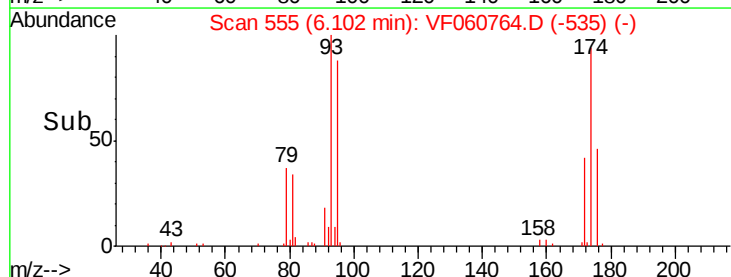
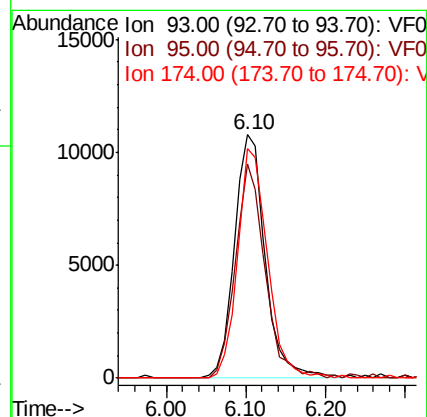
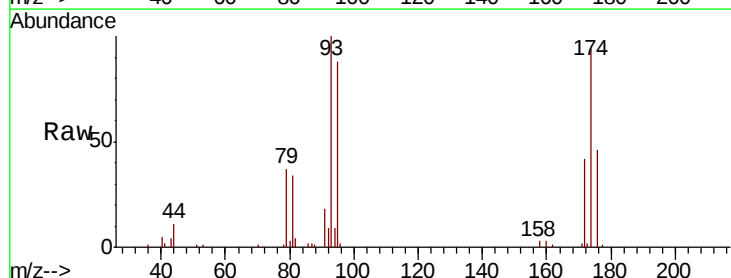
Tgt Ion: 93 Resp: 29147

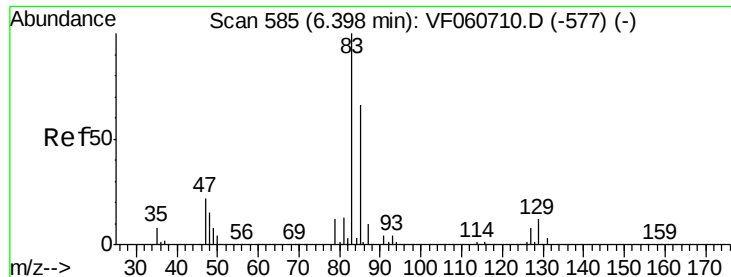
Ion Ratio Lower Upper

93 100

95 88.1 69.5 104.3

174 94.2 76.2 114.2





#47

Bromodichloromethane

Concen: 21.788 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

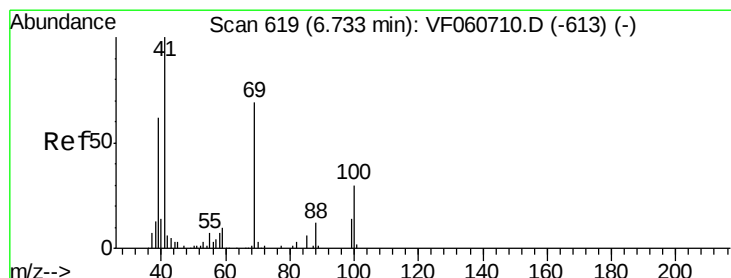
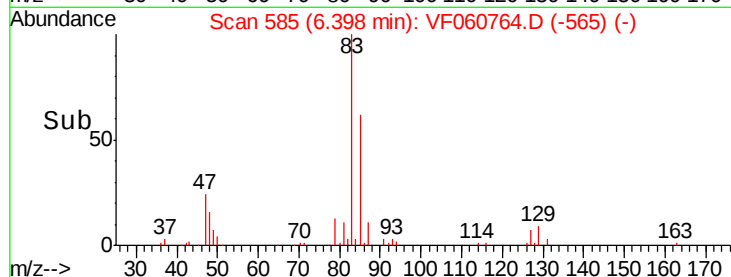
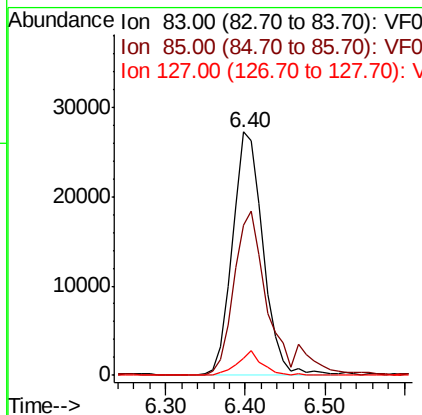
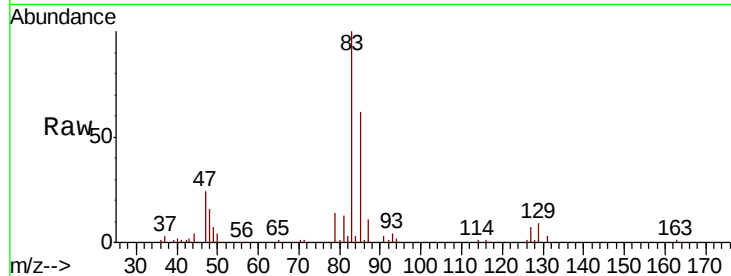
ClientSampleId :

VF1116SBS01

Tot Ion:	83	Resp:	73126
Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.4	78.6
127	7.3	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 26.492 ug/l

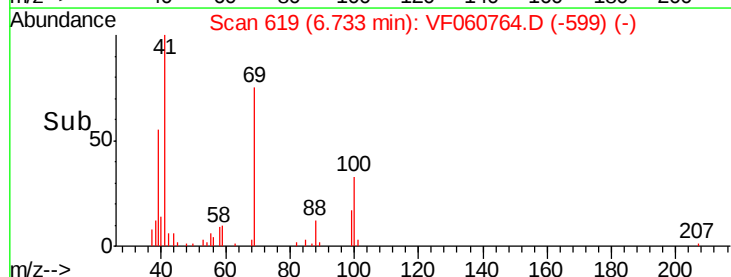
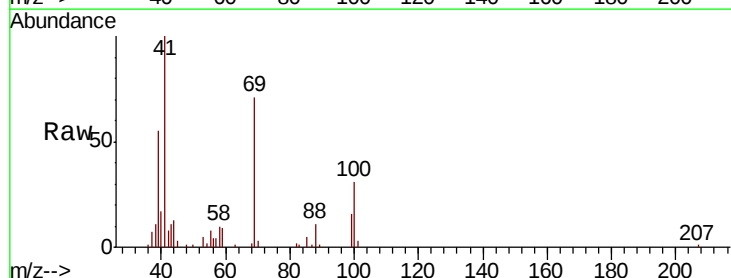
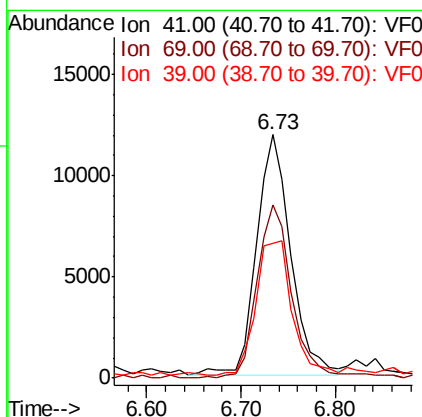
RT: 6.73 min Scan# 619

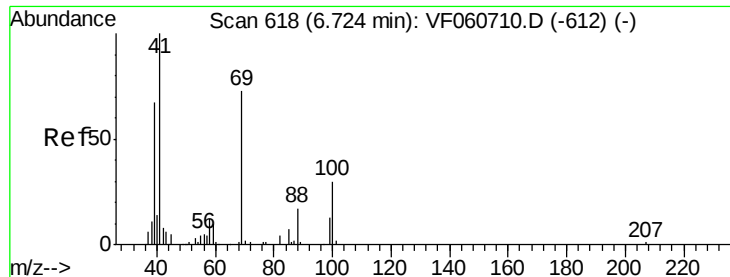
Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion:	41	Resp:	29666
Ion	Ratio	Lower	Upper
41	100		
69	71.3	54.9	82.3
39	55.3	49.6	74.4





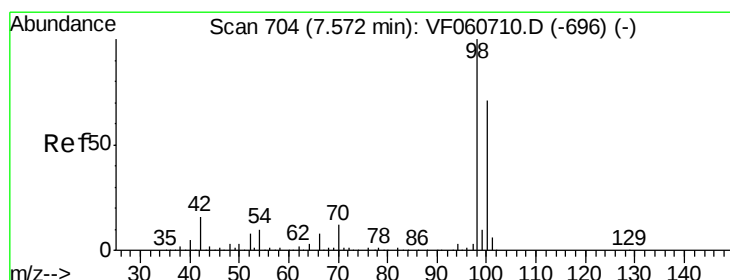
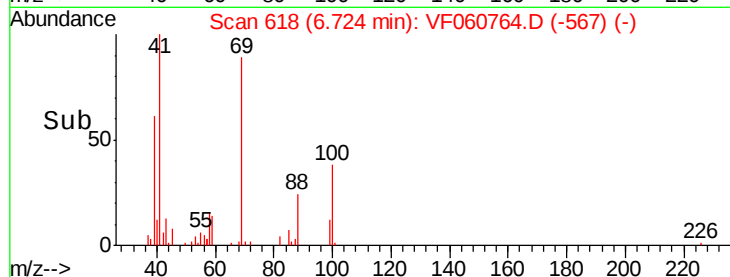
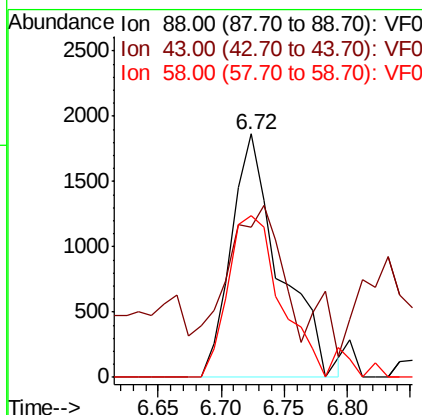
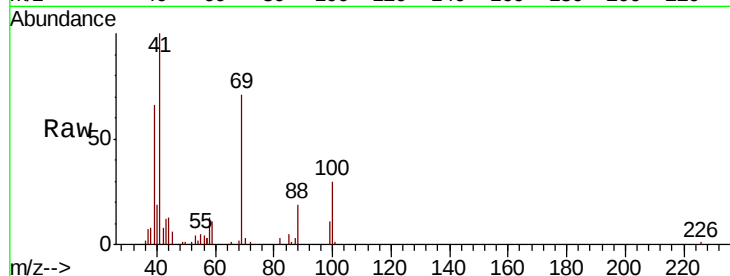
#49
1,4-Dioxane
Concen: 476.851 ug/l
RT: 6.72 min Scan# 618
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	61.8	44.6	66.8
58	66.4	54.5	81.7

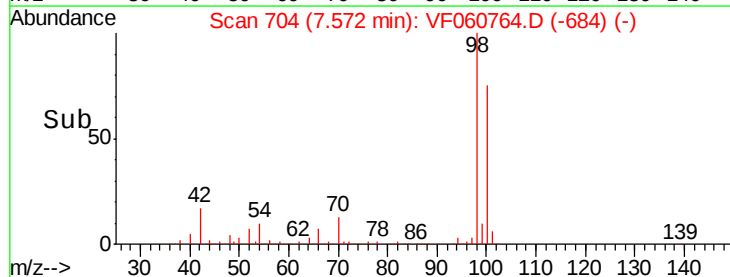
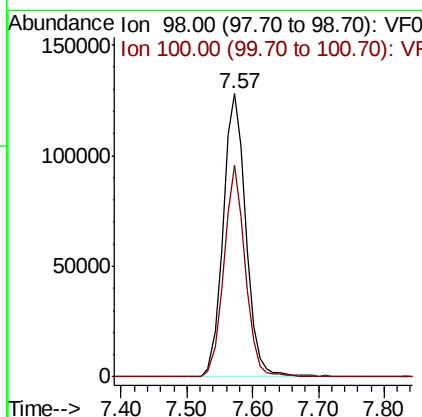
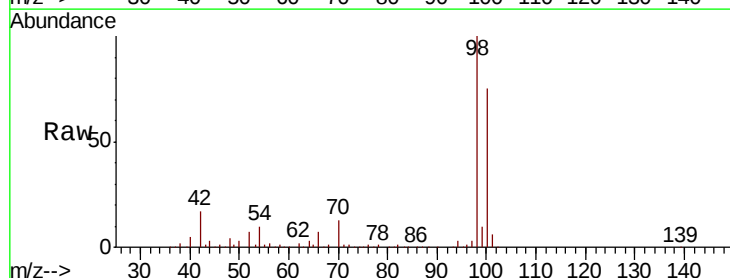
Manual Integrations
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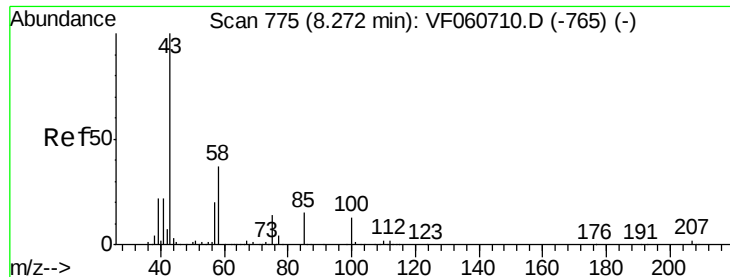
apatel
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#50
Toluene-d8
Concen: 54.781 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	74.6	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 133.966 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 43 Resp: 163941

Ion Ratio Lower Upper

43 100

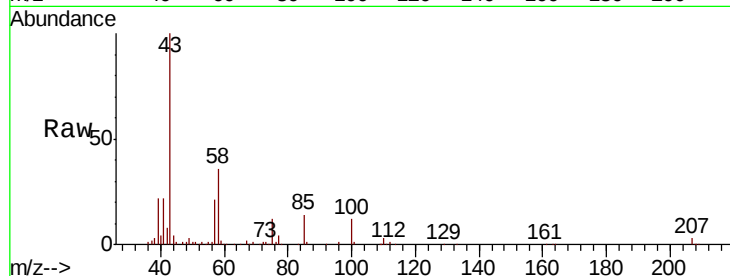
58 36.5 29.2 43.8

Manual Integrations

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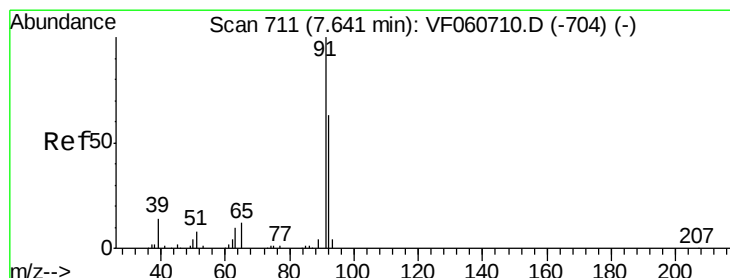
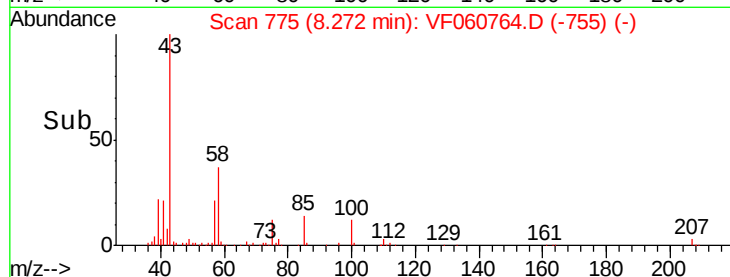
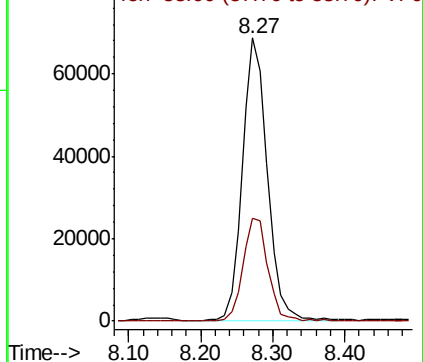
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.103 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF060764.D

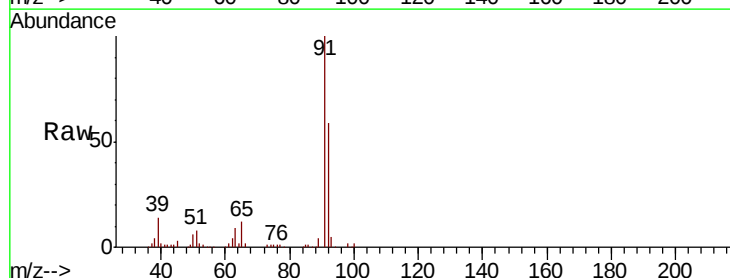
Acq: 16 Nov 2018 14:36

Tgt Ion: 92 Resp: 113332

Ion Ratio Lower Upper

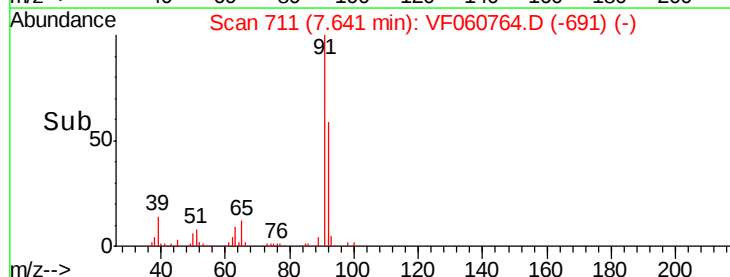
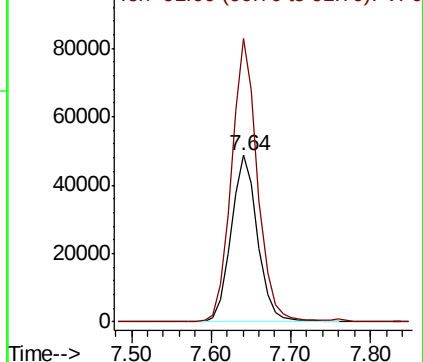
92 100

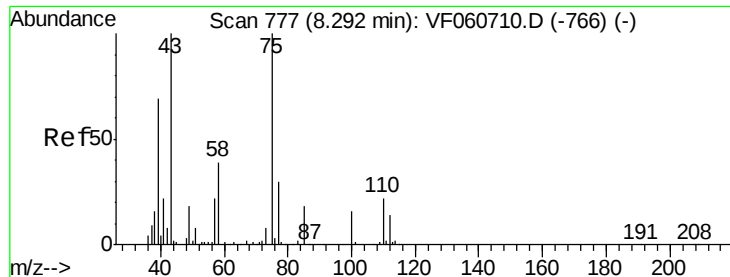
91 169.9 126.7 190.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 24.348 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 75 Resp: 65453

Ion Ratio Lower Upper

75 100

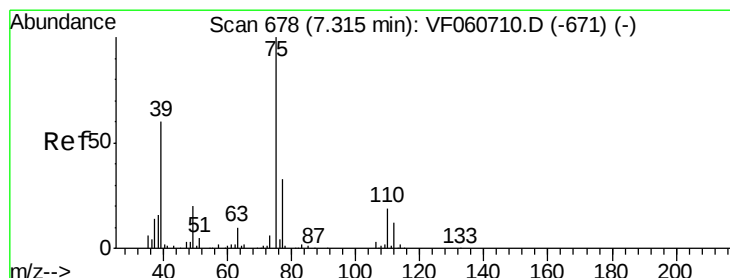
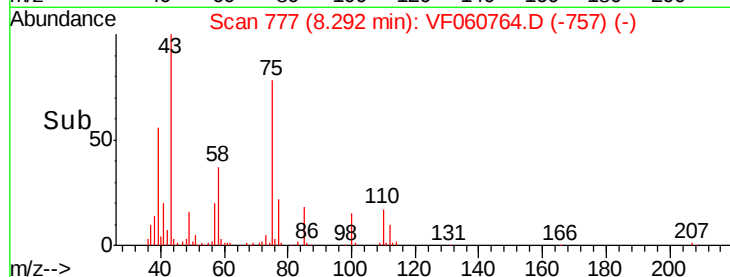
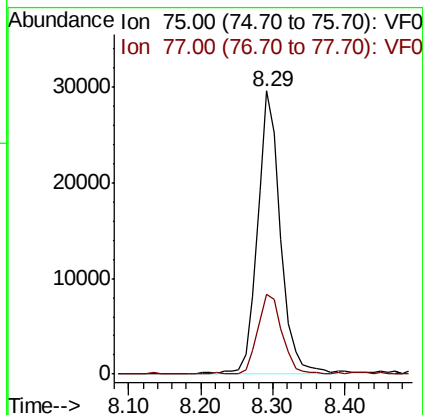
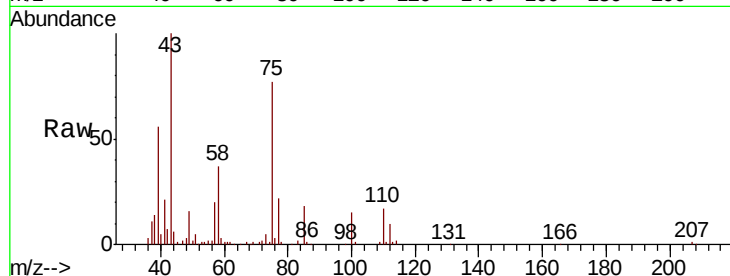
77 28.4 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.321 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

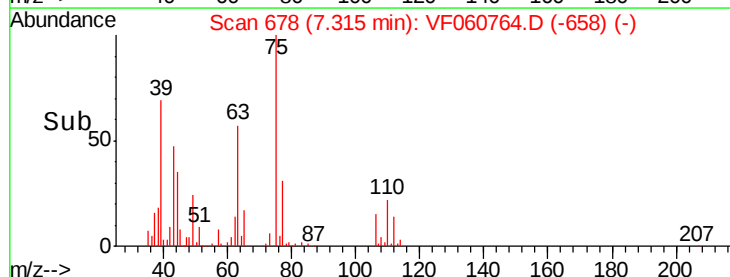
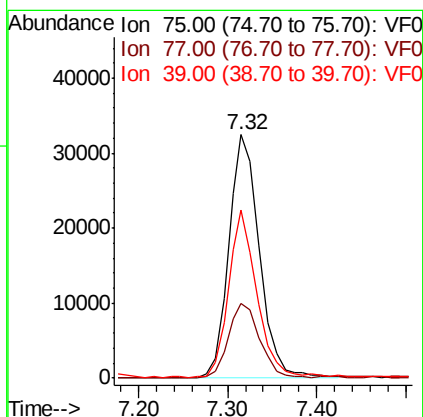
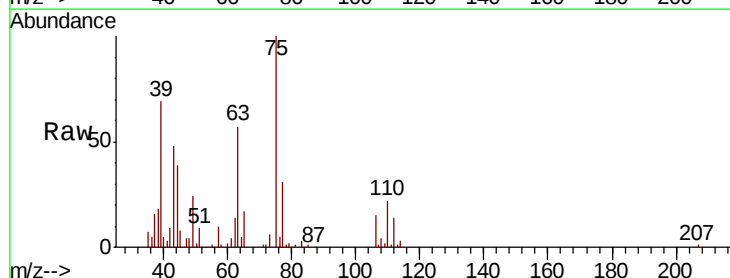
Tgt Ion: 75 Resp: 77940

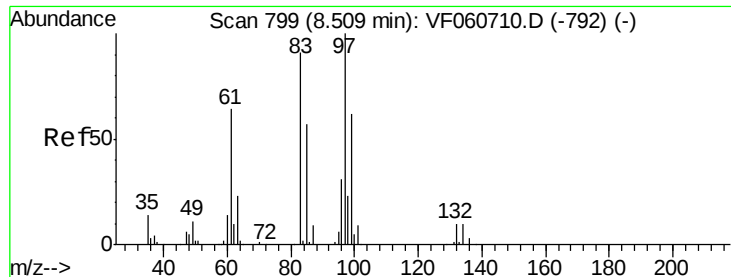
Ion Ratio Lower Upper

75 100

77 30.8 26.5 39.7

39 69.3 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 22.515 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 97 Resp: 32985

Ion Ratio Lower Upper

97 100

83 88.2 72.8 109.2

85 46.8 45.8 68.6

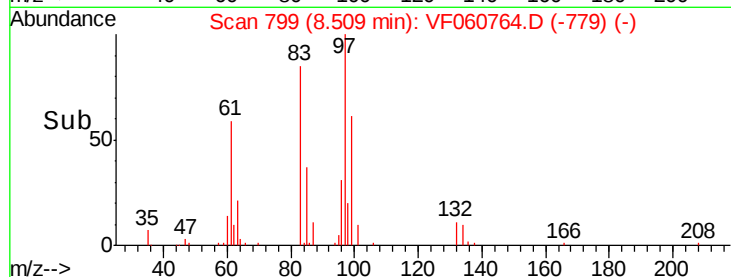
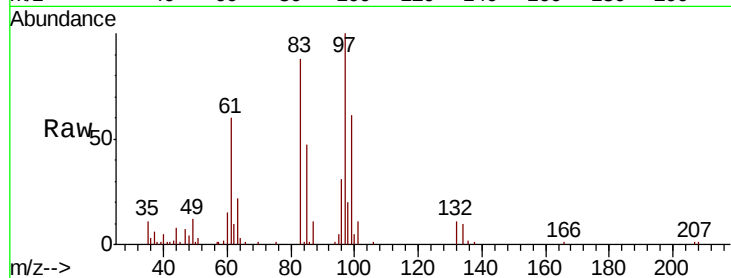
99 60.9 49.4 74.0

Manual Integrations

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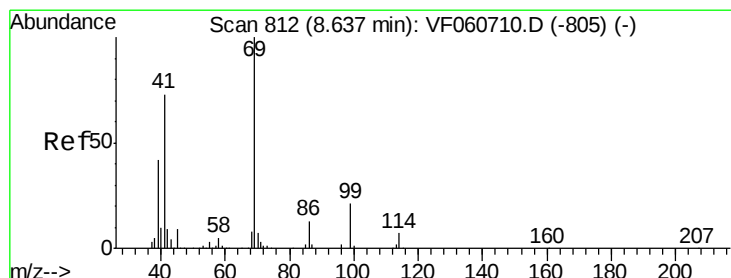
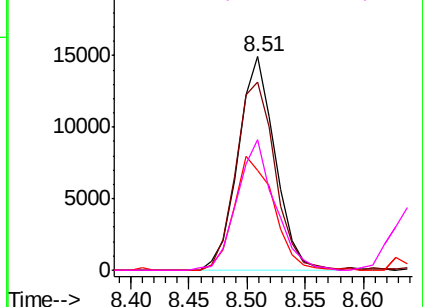


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 26.134 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

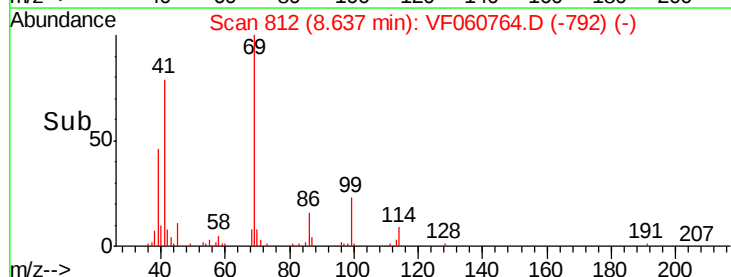
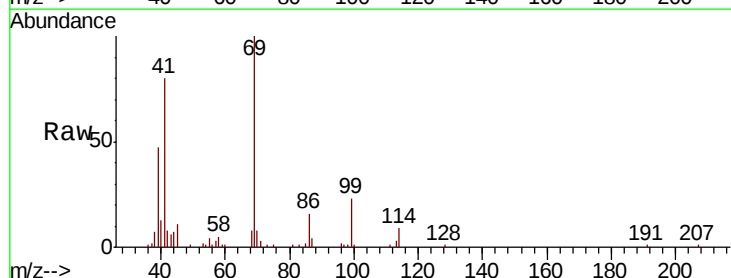
Tgt Ion: 69 Resp: 43483

Ion Ratio Lower Upper

69 100

41 79.8 59.0 88.6

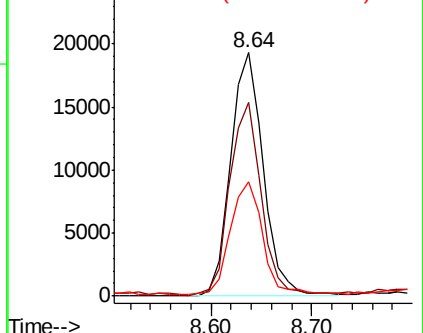
39 47.1 34.0 51.0

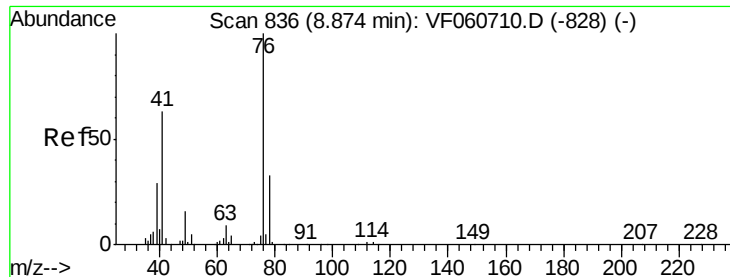


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.976 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 76 Resp: 58335

Ion Ratio Lower Upper

76 100

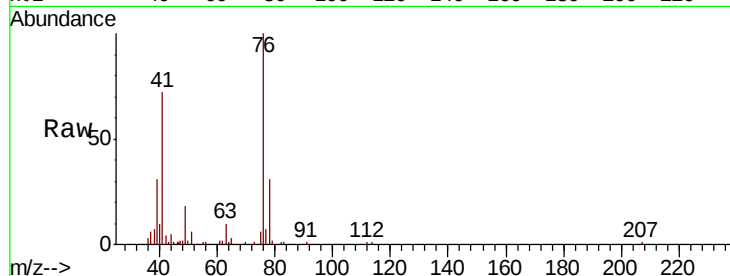
78 30.5 26.6 39.8

Manual Integrations

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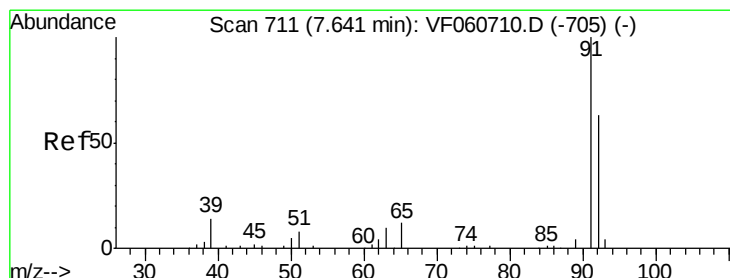
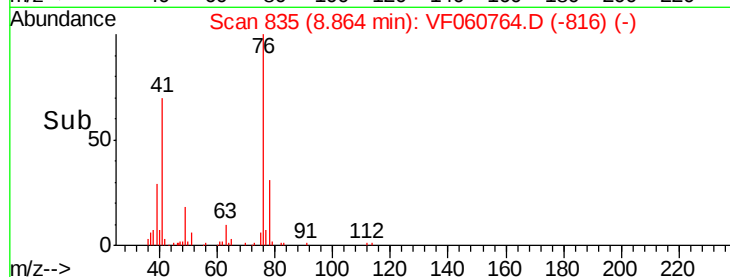
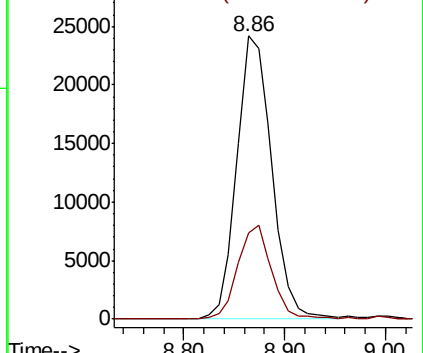
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 109.967 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF060764.D

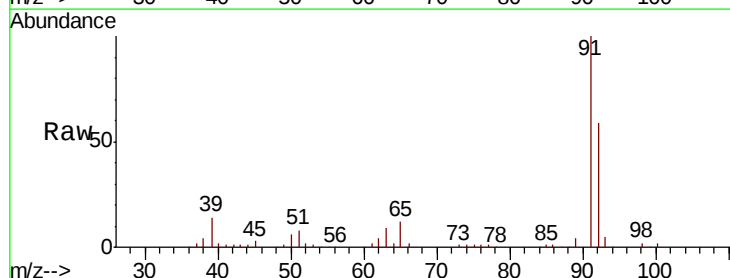
Acq: 16 Nov 2018 14:36

Tgt Ion: 63 Resp: 16714

Ion Ratio Lower Upper

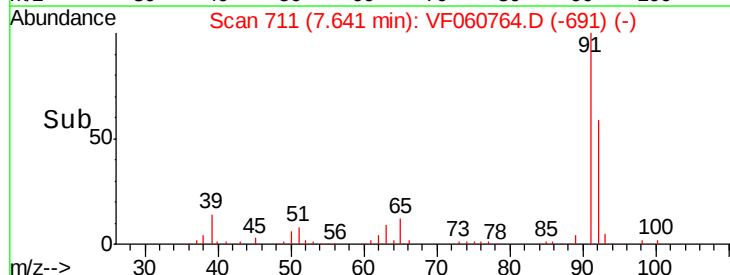
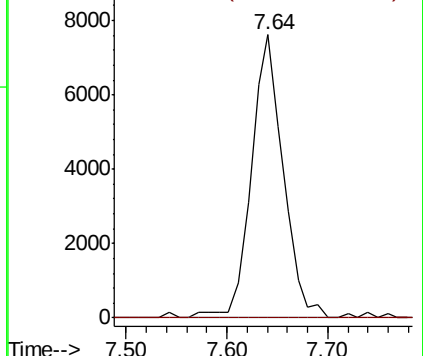
63 100

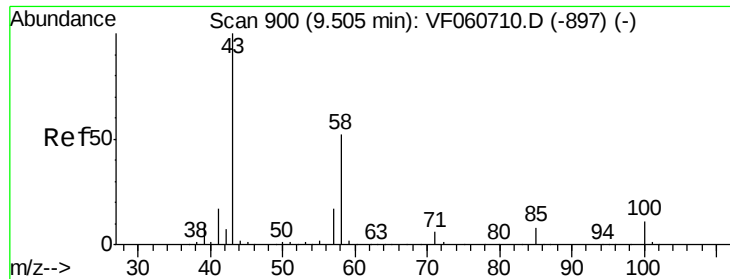
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 142.460 ug/l

RT: 9.51 min Scan# 900

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 43 Resp: 122517

Ion Ratio Lower Upper

43 100

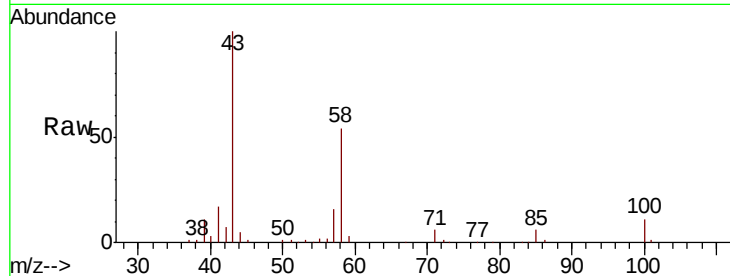
58 53.7 24.9 74.7

Manual Integrations

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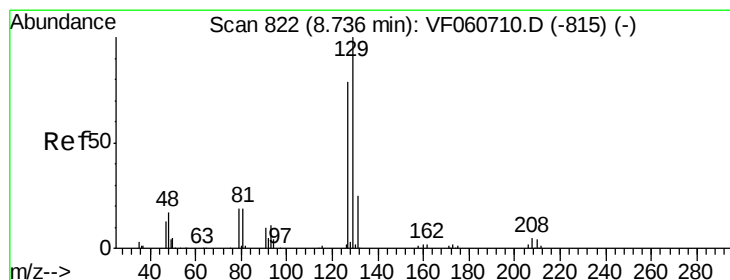
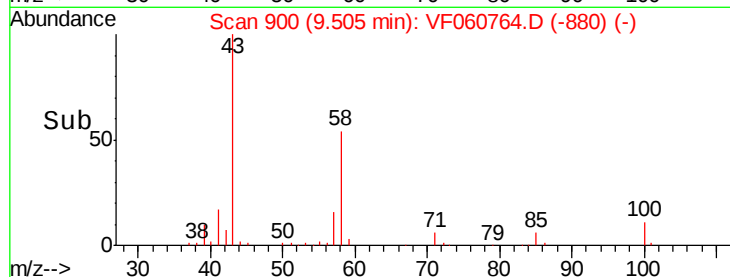
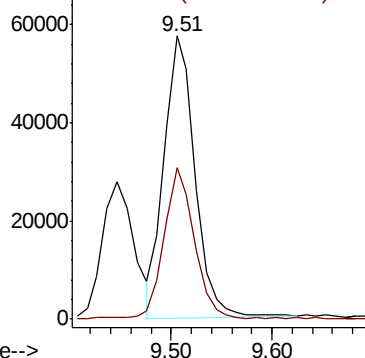
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 23.055 ug/l

RT: 8.74 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF060764.D

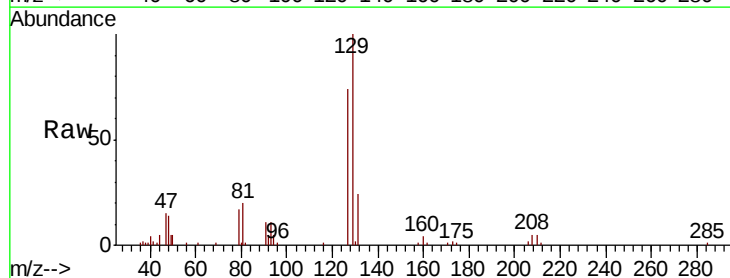
Acq: 16 Nov 2018 14:36

Tgt Ion:129 Resp: 48138

Ion Ratio Lower Upper

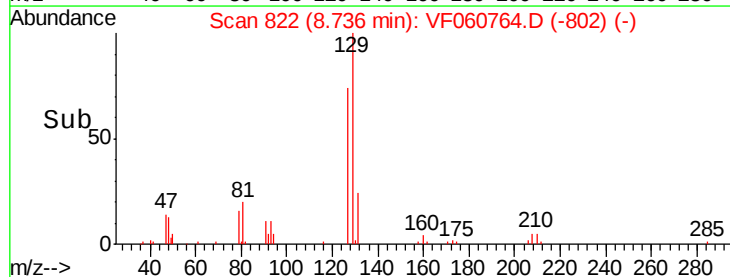
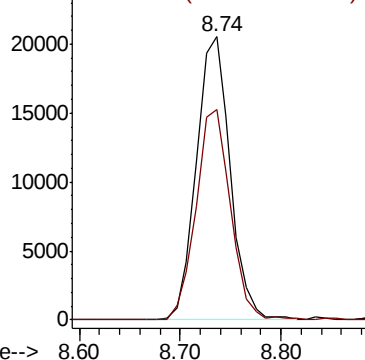
129 100

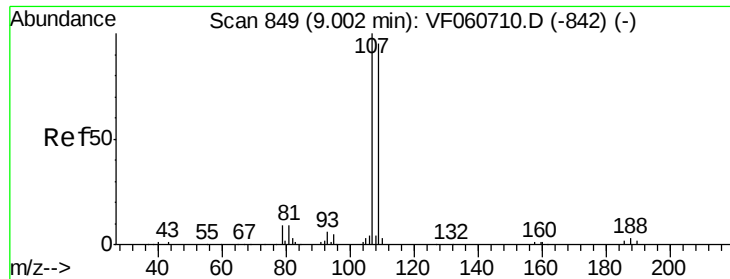
127 74.4 39.7 119.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 24.096 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 107 Resp: 37127

Ion Ratio Lower Upper

107 100

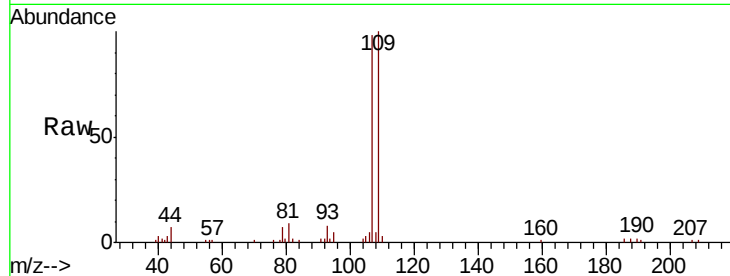
109 102.3 75.9 113.9

Manual Integrations

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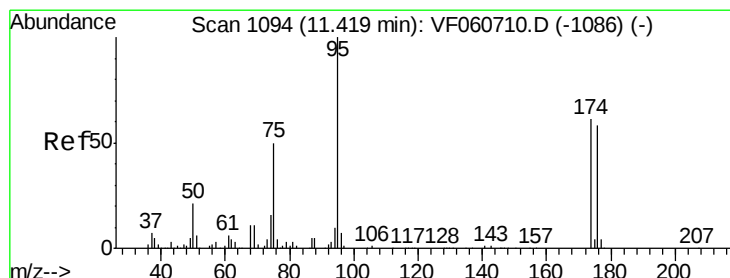
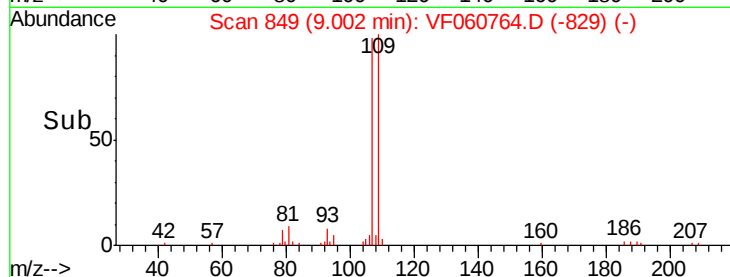
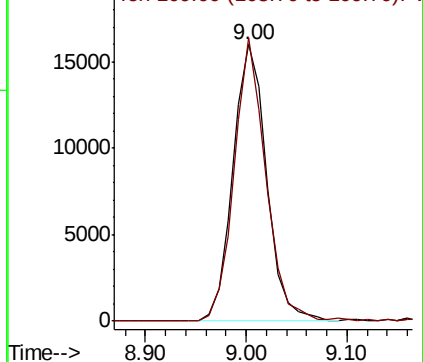
apatel

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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: 58.509 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

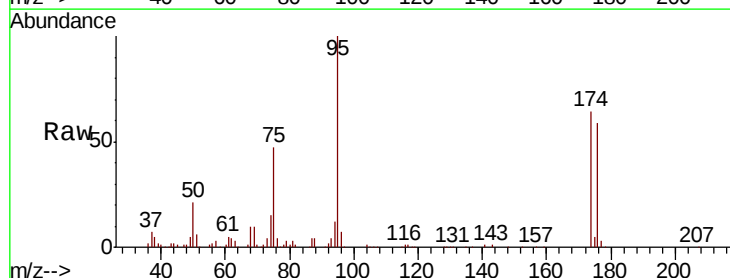
Tgt Ion: 95 Resp: 152229

Ion Ratio Lower Upper

95 100

174 64.3 0.0 121.6

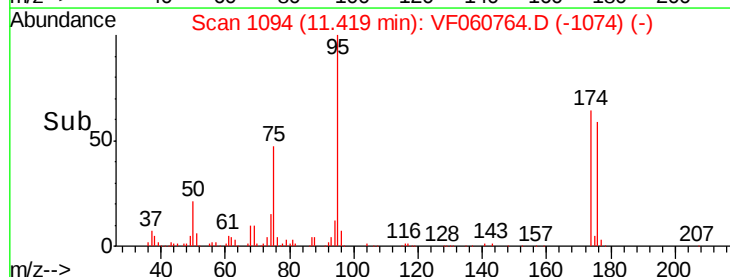
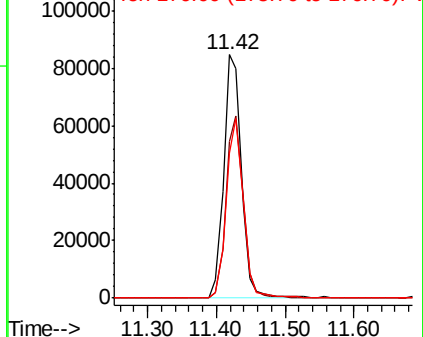
176 59.4 0.0 115.2

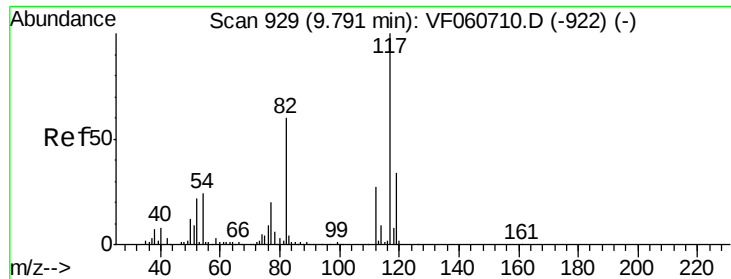


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





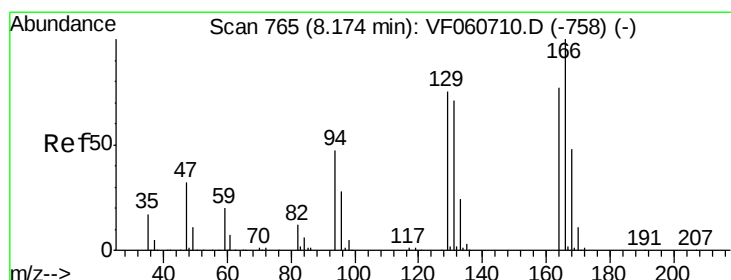
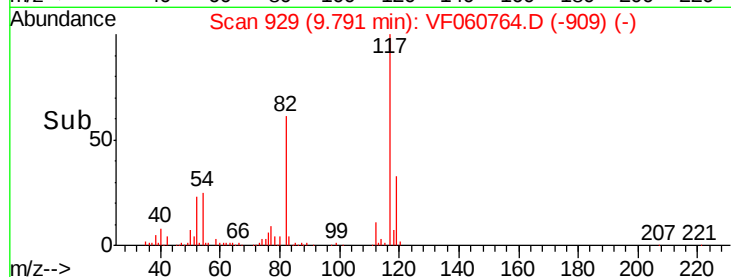
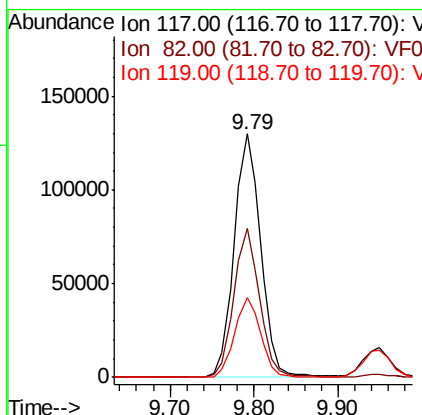
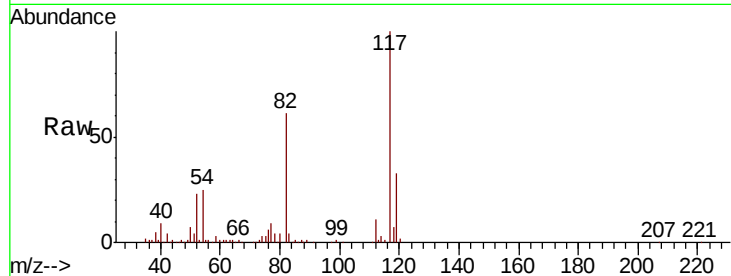
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.9	71.9
119	32.9	26.8	40.2

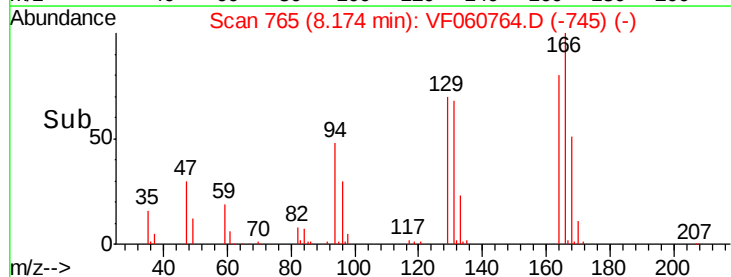
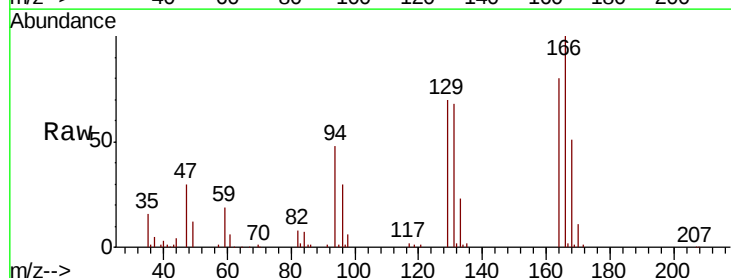
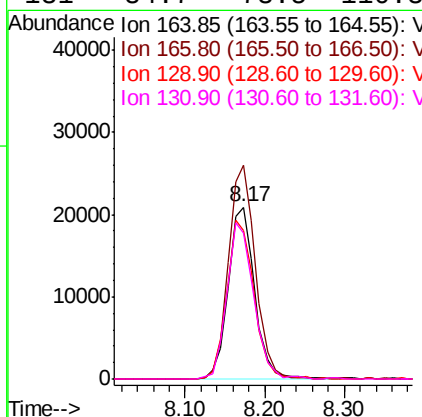
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#64
Tetrachloroethene
Concen: 21.576 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.5	155.3
129	86.7	77.4	116.2
131	84.7	73.5	110.3





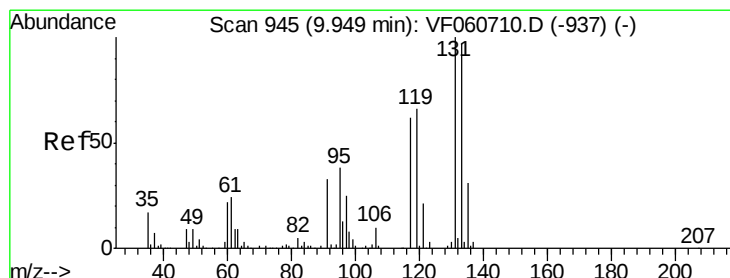
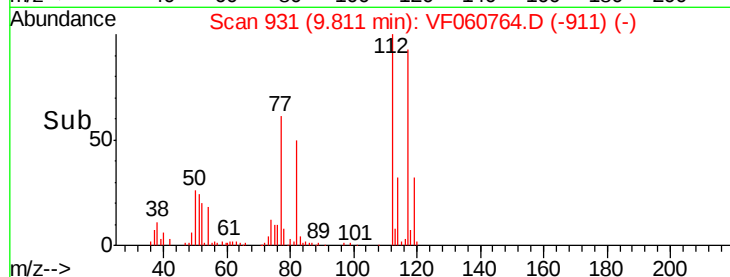
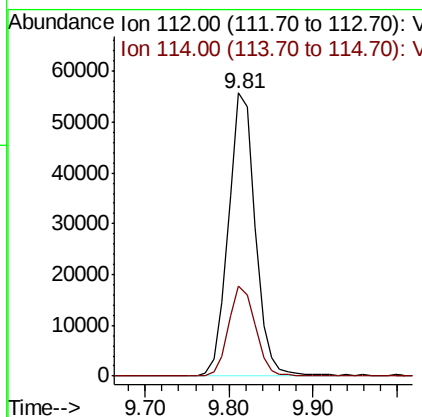
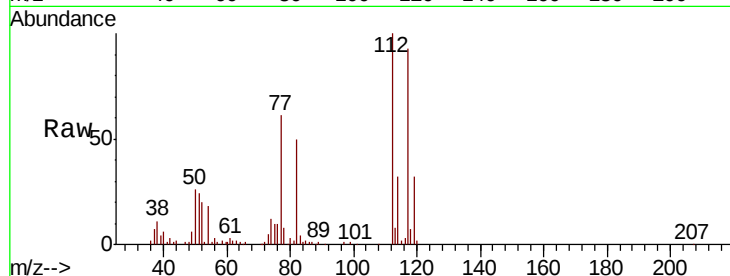
#65
Chlorobenzene
Concen: 21.637 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion:112 Resp: 124465
Ion Ratio Lower Upper
112 100
114 32.0 26.1 39.1

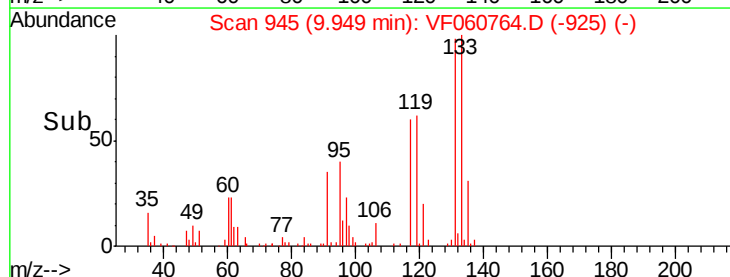
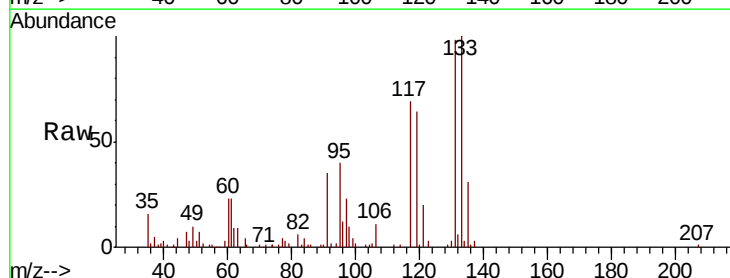
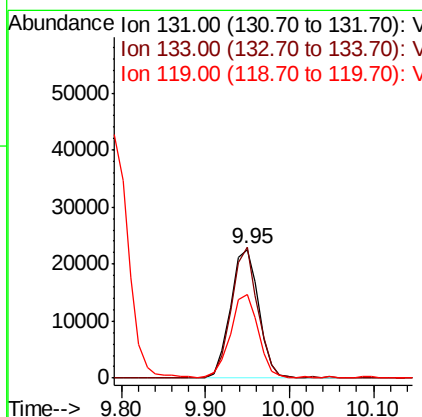
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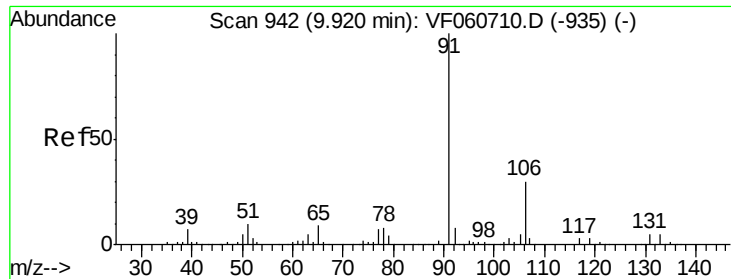
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.035 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion:131 Resp: 52776
Ion Ratio Lower Upper
131 100
133 101.6 48.3 144.8
119 64.6 33.2 99.6





#67

Ethyl Benzene

Concen: 20.895 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 91 Resp: 226564

Ion Ratio Lower Upper

91 100

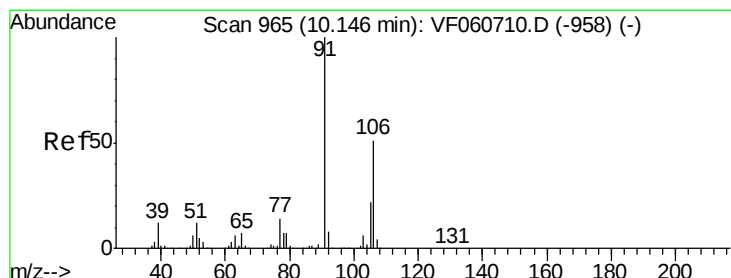
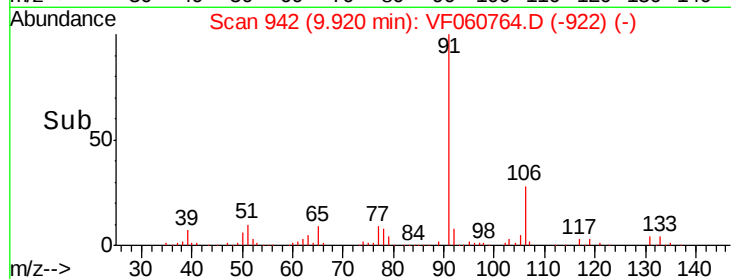
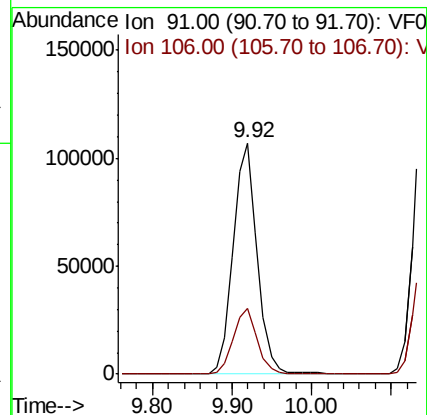
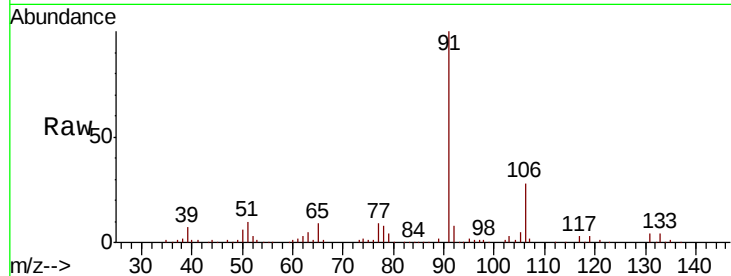
106 28.5 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.613 ug/l

RT: 10.15 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF060764.D

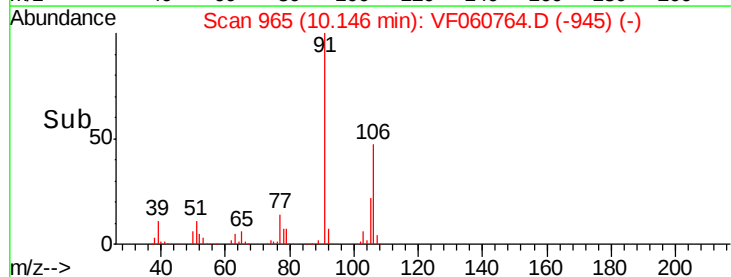
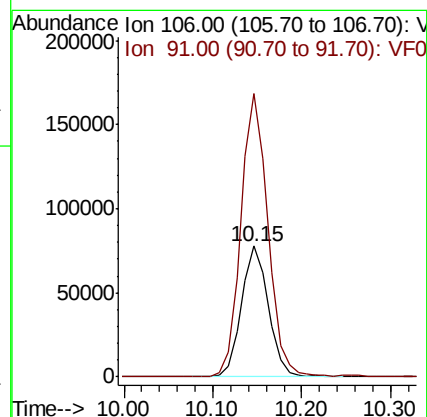
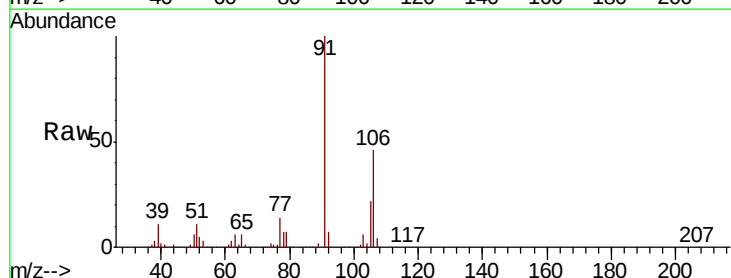
Acq: 16 Nov 2018 14:36

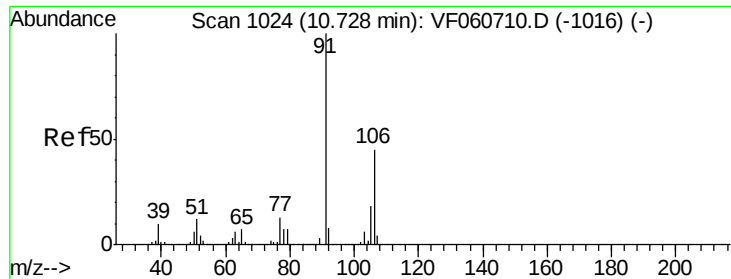
Tgt Ion: 106 Resp: 165123

Ion Ratio Lower Upper

106 100

91 216.5 158.2 237.2





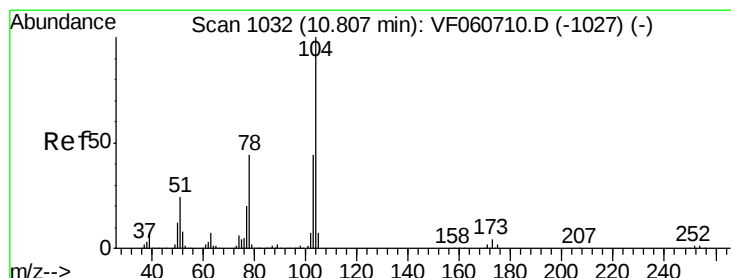
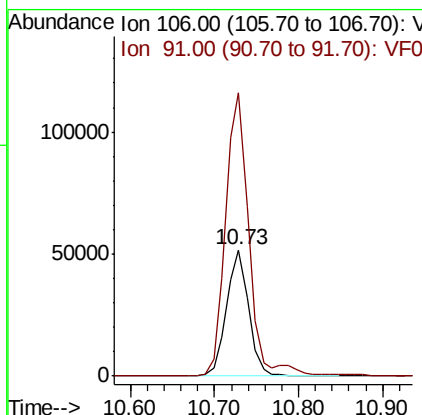
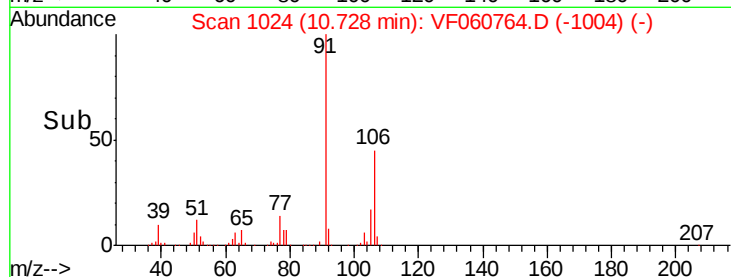
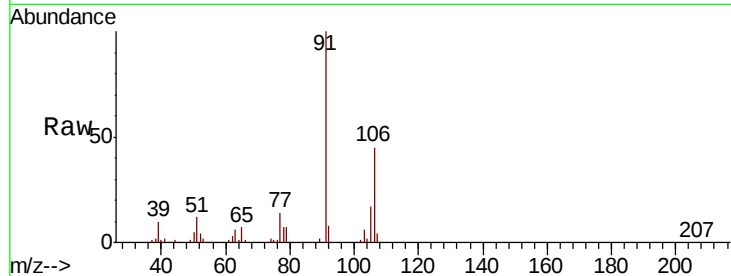
#69
o-Xylene
Concen: 21.819 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	95056		
91	91	223.8		110.3	330.9

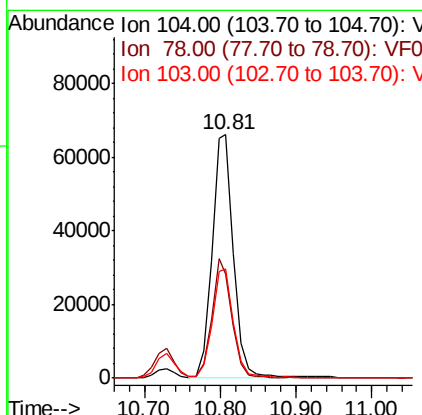
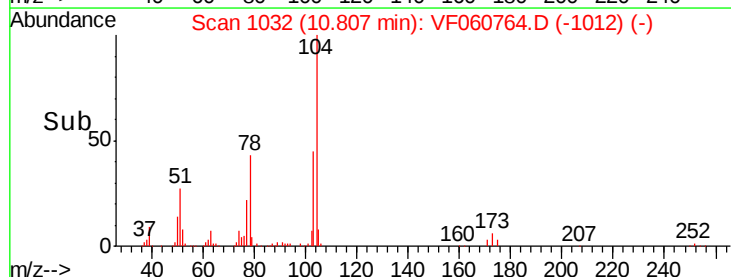
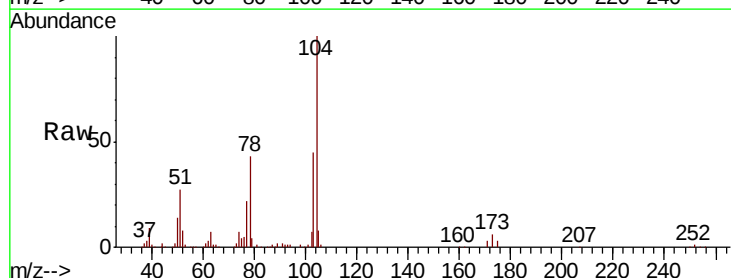
Manual Integrations
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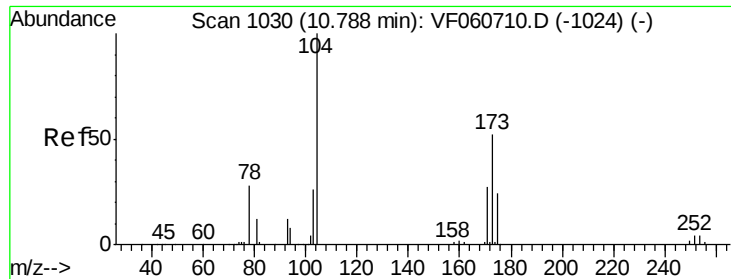
apatel
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#70
Styrene
Concen: 22.174 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	131102		
78	78	42.8		35.4	53.2
103	103	45.0		35.8	53.6





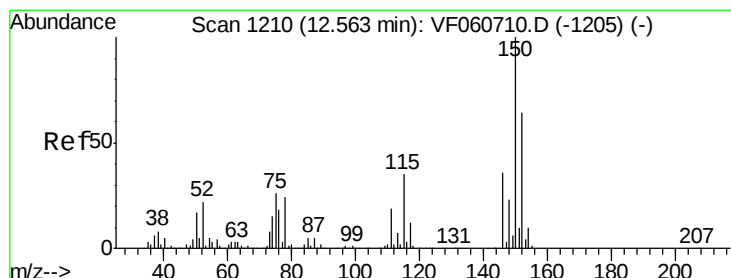
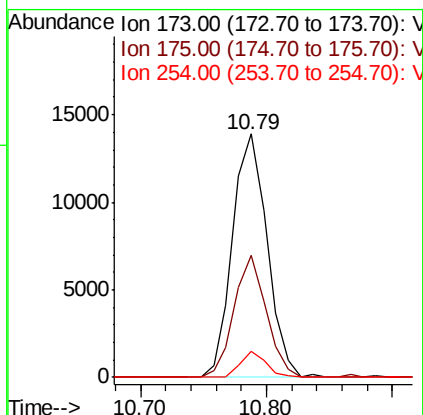
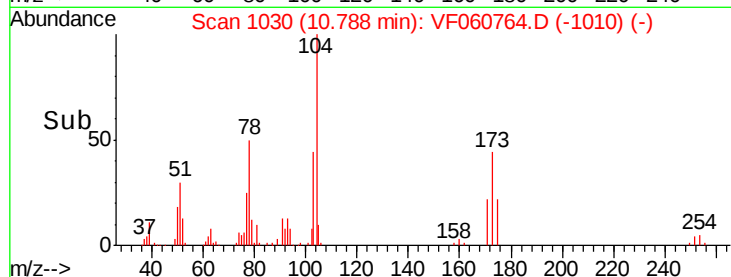
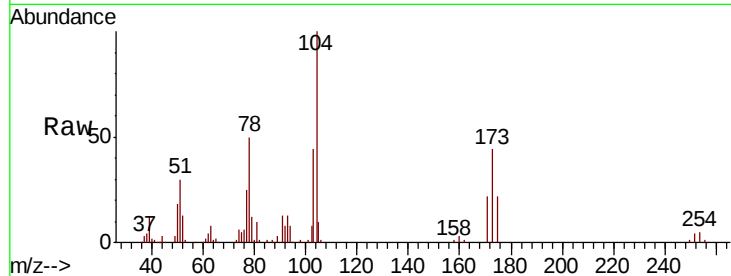
#71
Bromoform
Concen: 23.418 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.4	70.0
254	10.9	5.8	8.8

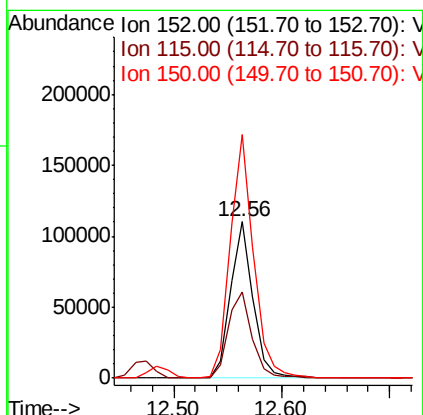
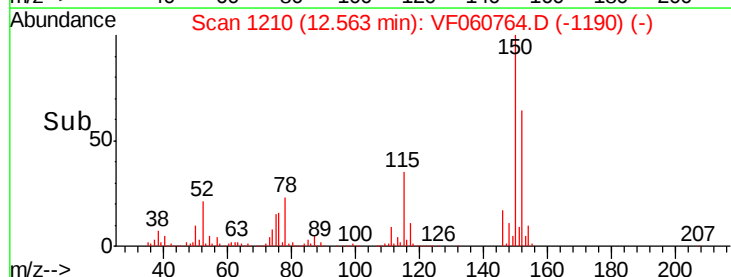
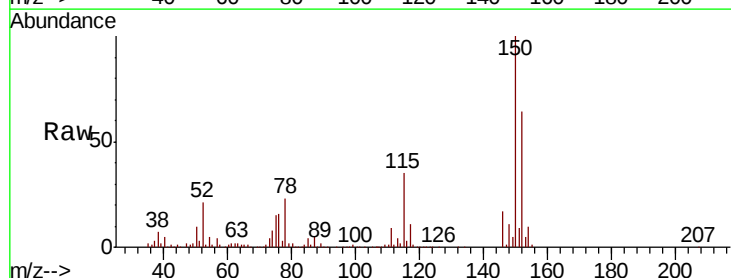
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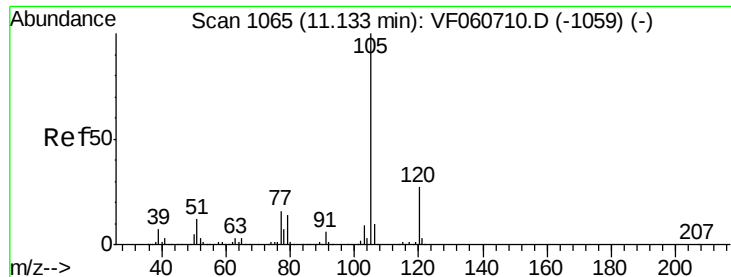
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.9	83.7
150	155.6	0.0	316.4





#73

Isopropylbenzene

Concen: 21.283 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 105 Resp: 274445

Ion Ratio Lower Upper

105 100

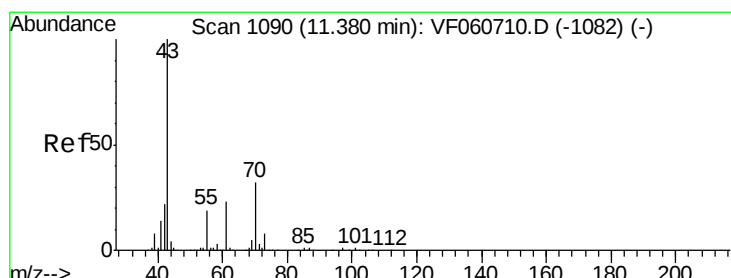
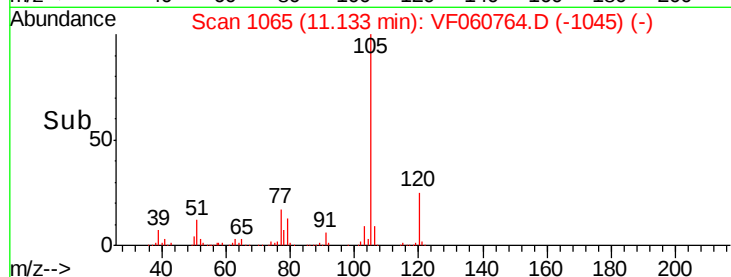
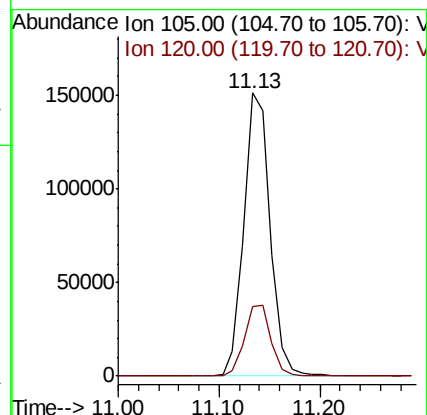
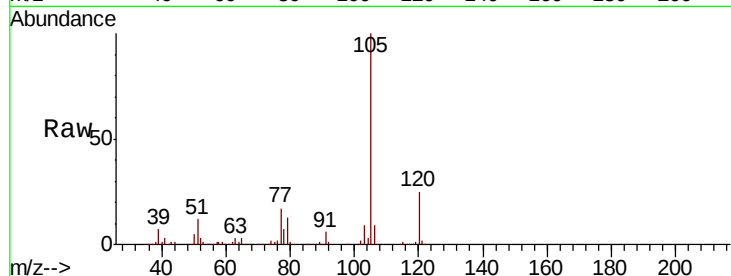
120 24.6 13.4 40.1

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#74

N-ethyl acetate

Concen: 26.150 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion: 43 Resp: 76766

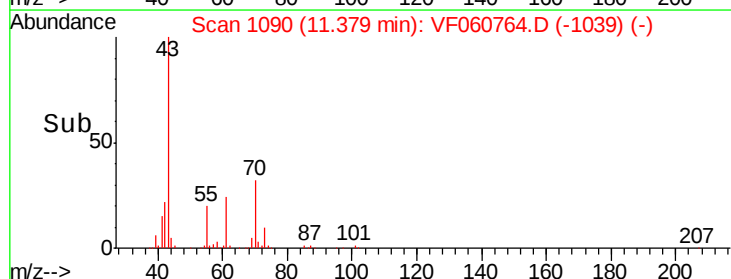
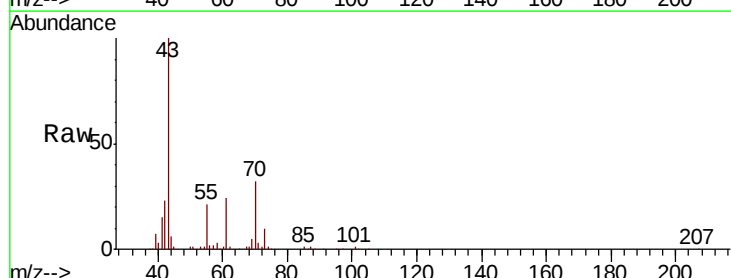
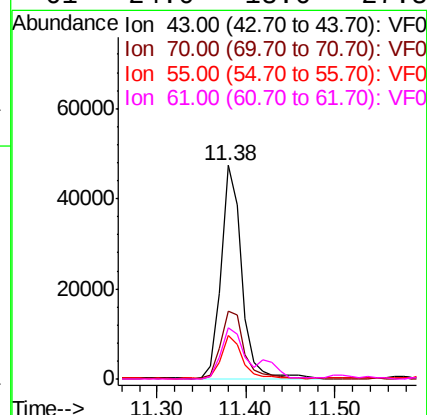
Ion Ratio Lower Upper

43 100

70 31.9 25.5 38.3

55 20.5 14.9 22.3

61 24.0 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.315 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

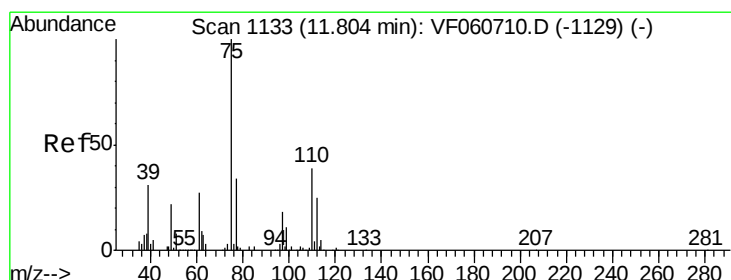
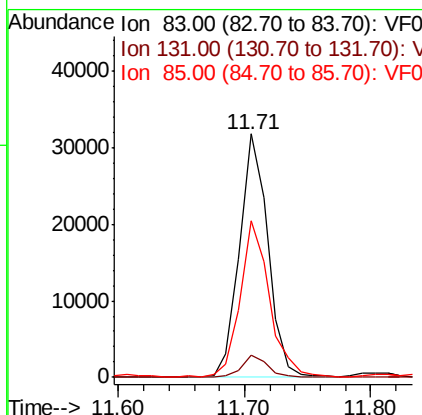
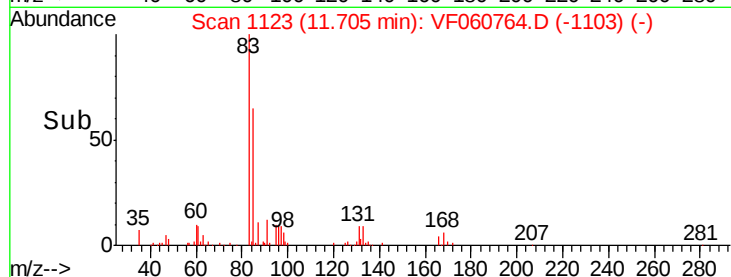
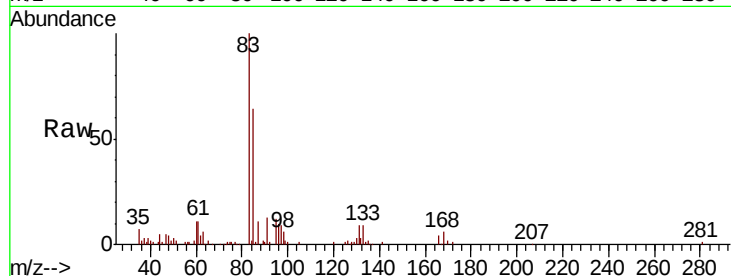
ClientSampleId :

VF1116SBS01

Tot Ion:	83	Resp:	49706
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.2	12.4
85	64.3	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.182 ug/l

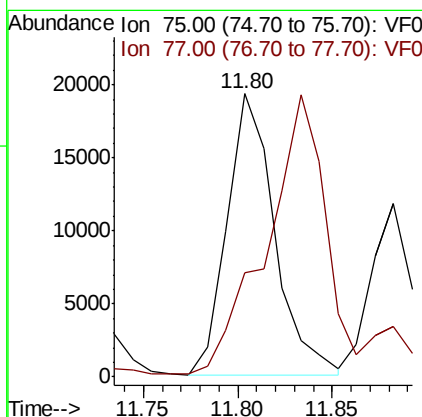
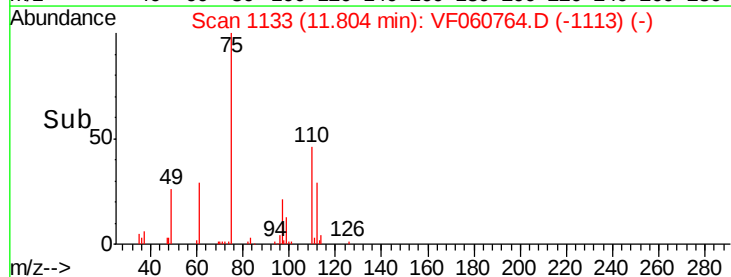
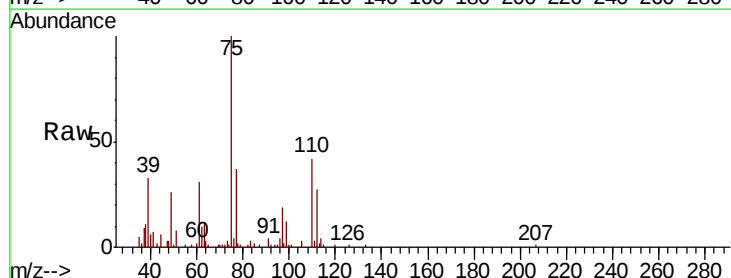
RT: 11.80 min Scan# 1133

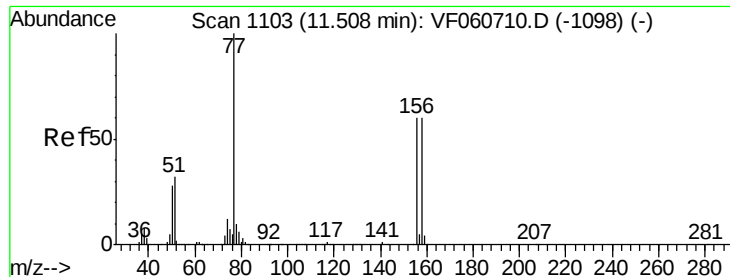
Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion:	75	Resp:	33539
Ion Ratio	Lower	Upper	
75	100		
77	36.9	17.0	51.0





#77

Bromobenzene

Concen: 22.137 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

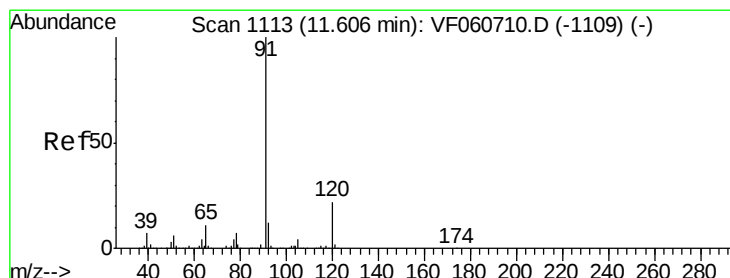
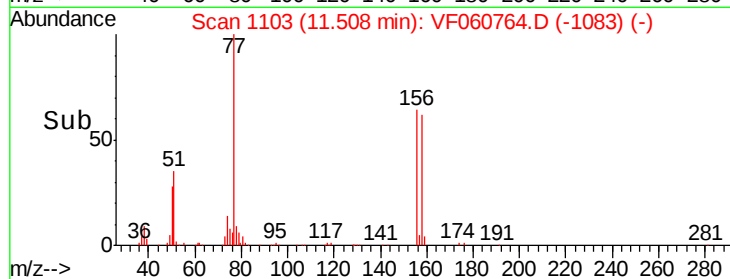
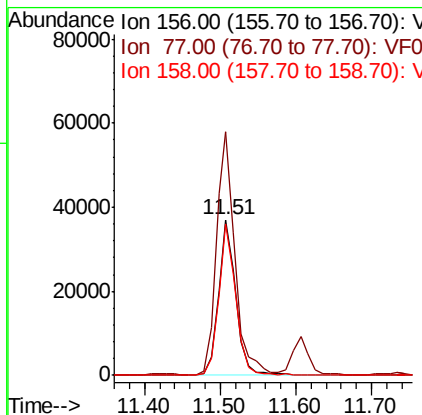
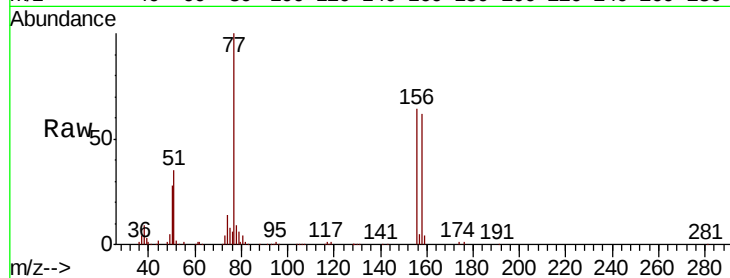
ClientSampleId :

VF1116SBS01

Tot Ion:	156	Resp:	59419
Ion	Ratio	Lower	Upper
156	100		
77	156.2	83.0	248.9
158	97.1	49.6	149.0

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#78

n-propylbenzene

Concen: 21.612 ug/l

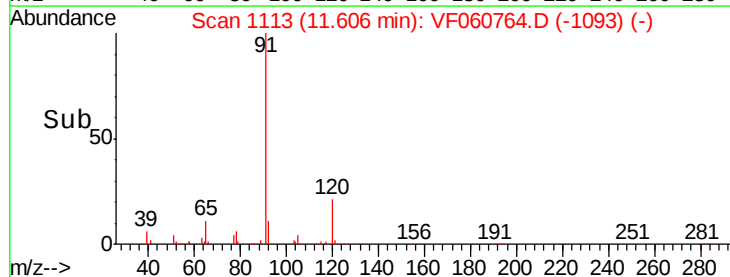
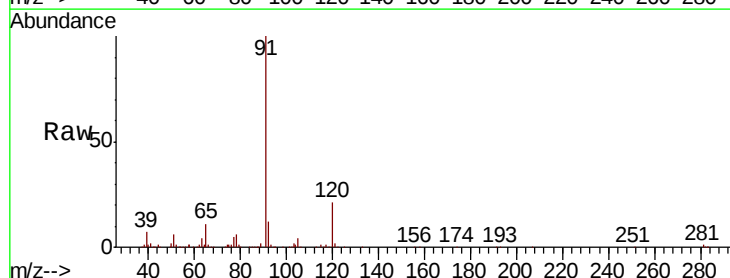
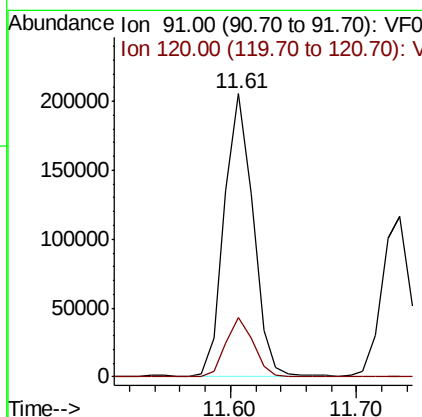
RT: 11.61 min Scan# 1113

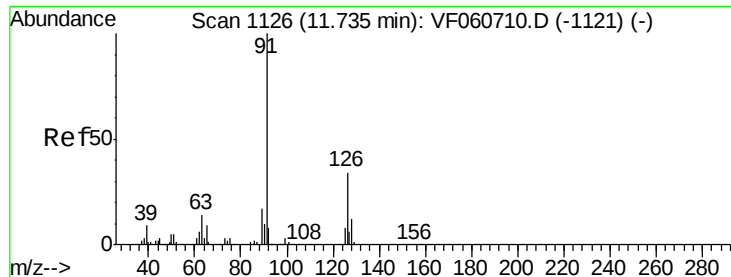
Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion:	91	Resp:	325030
Ion	Ratio	Lower	Upper
91	100		
120	20.9	11.2	33.5





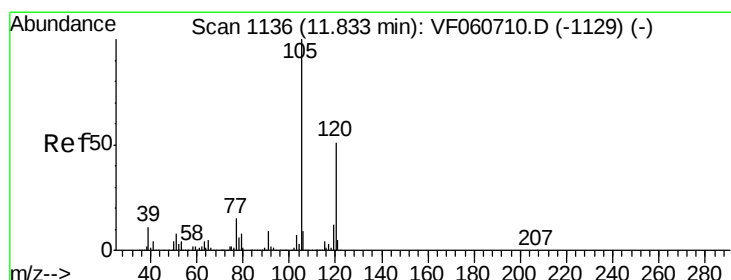
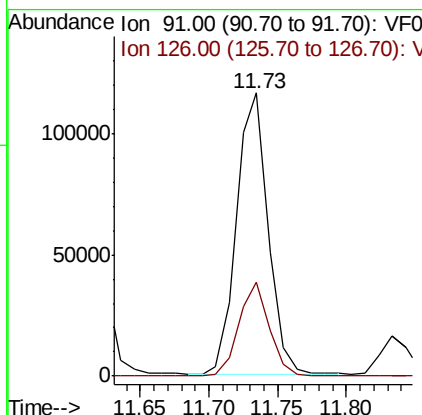
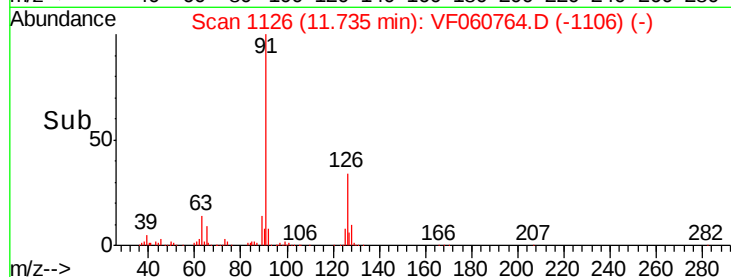
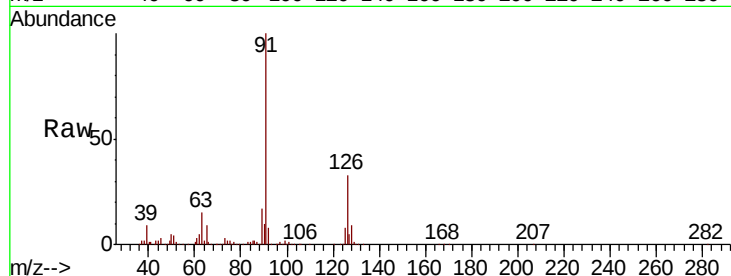
#79
 2-Chlorotoluene
 Concen: 21.255 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

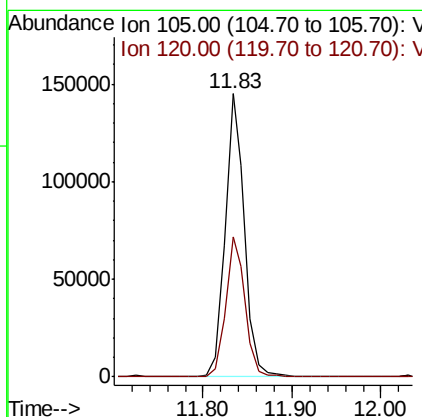
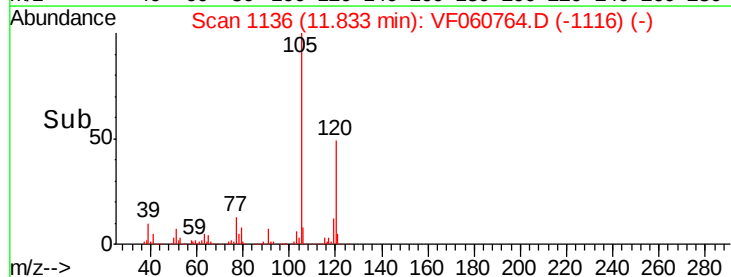
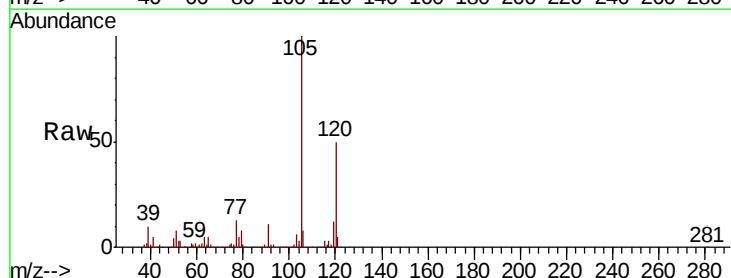
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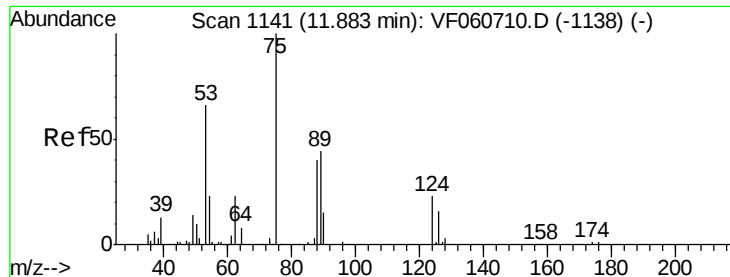
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.590 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	25.6	76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 24.343 ug/l m

RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 75 Resp: 18936

Ion Ratio Lower Upper

75 100

53 71.0 57.0 85.4

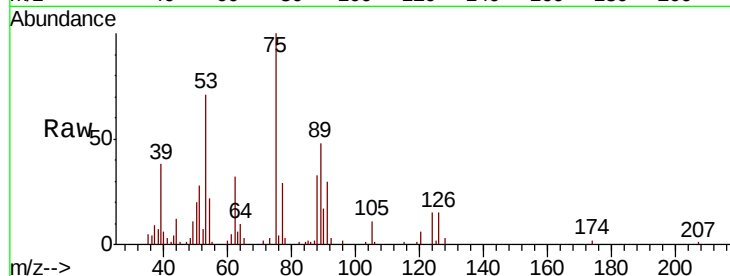
89 48.1 37.8 56.8

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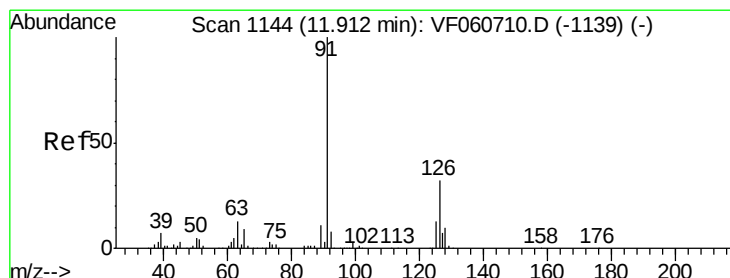
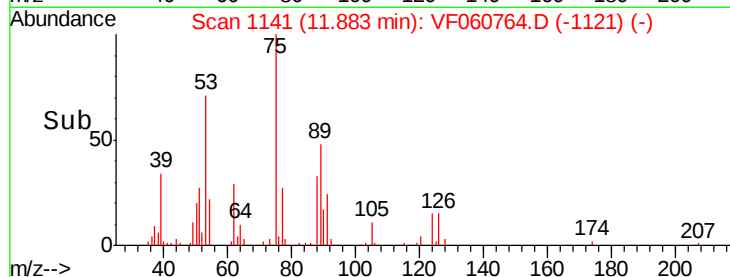
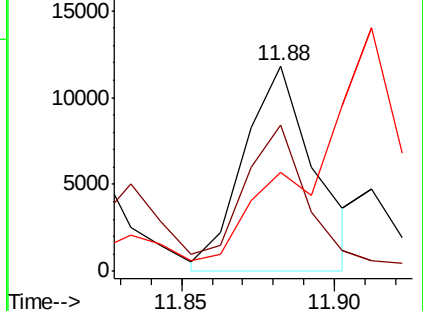
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.328 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060764.D

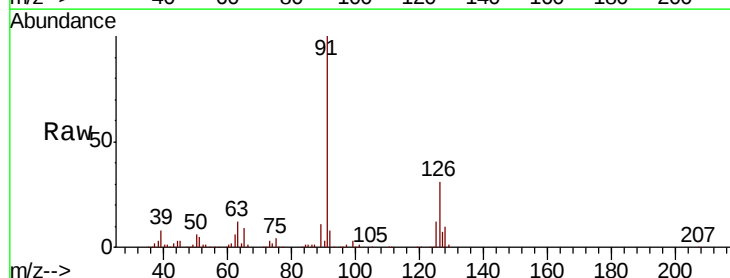
Acq: 16 Nov 2018 14:36

Tgt Ion: 91 Resp: 190992

Ion Ratio Lower Upper

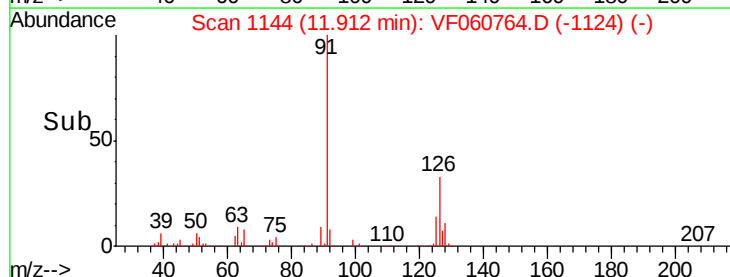
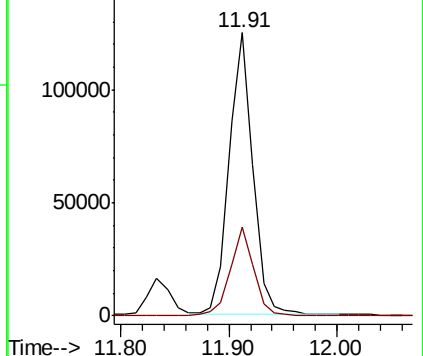
91 100

126 31.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





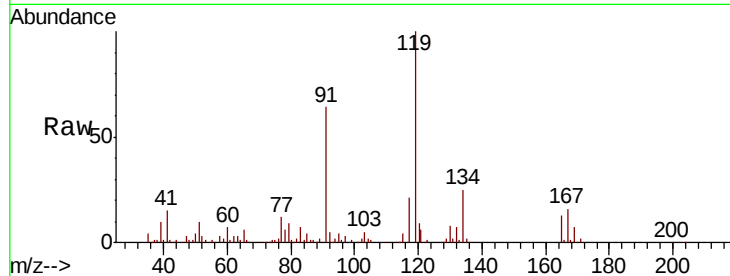
#83
tert-Butylbenzene
Concen: 21.596 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

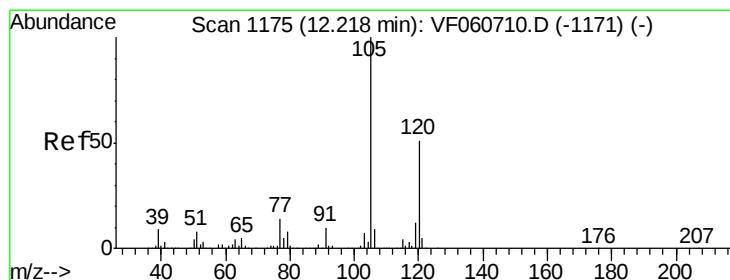
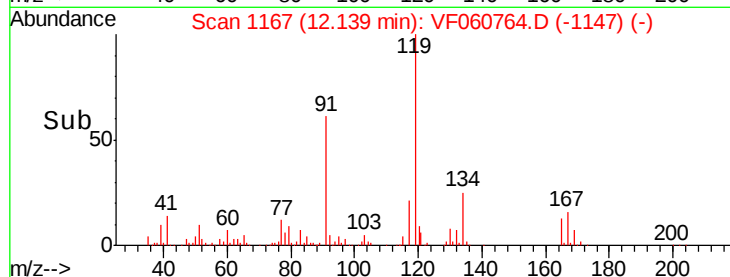
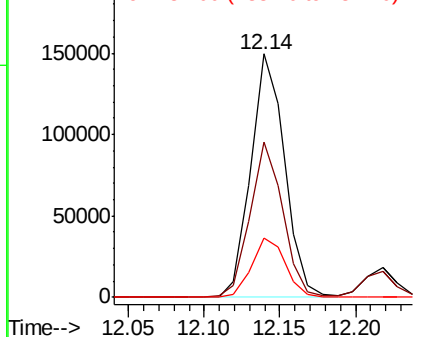
Tot Ion	Ratio	Resp	Lower	Upper
119	100	234750		
91	63.5	31.4	94.3	
134	24.5	12.8	38.4	

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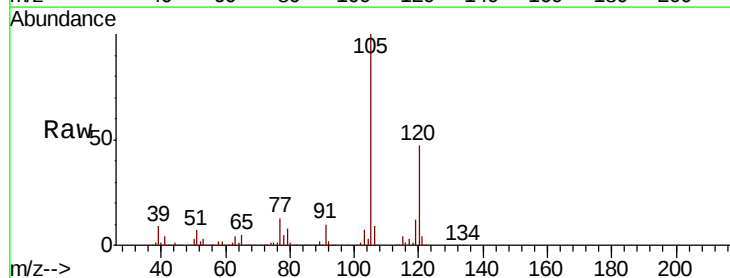


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

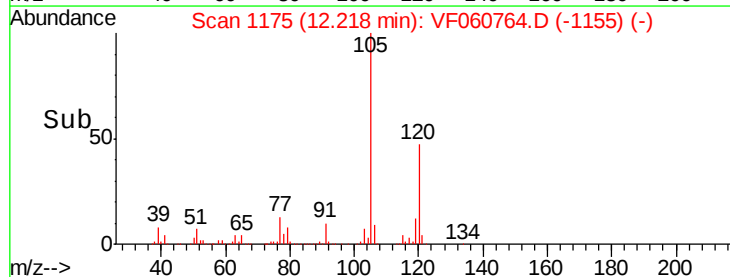
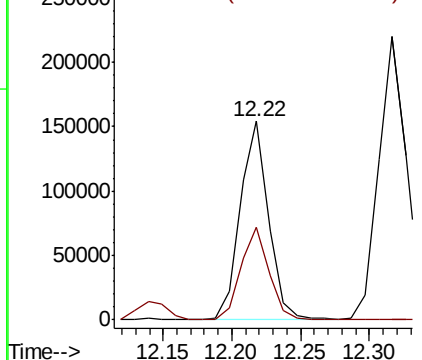


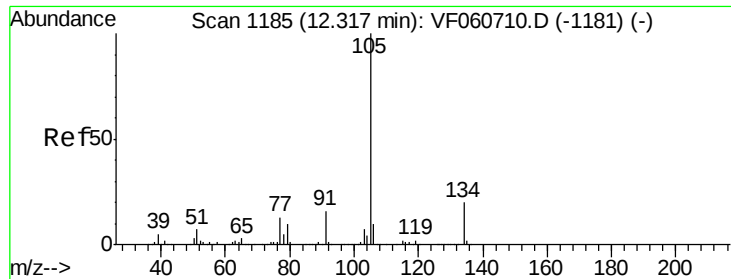
#84
1,2,4-Trimethylbenzene
Concen: 20.913 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221431		
120	46.8	25.5	76.5	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.243 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion:105 Resp: 313242

Ion Ratio Lower Upper

105 100

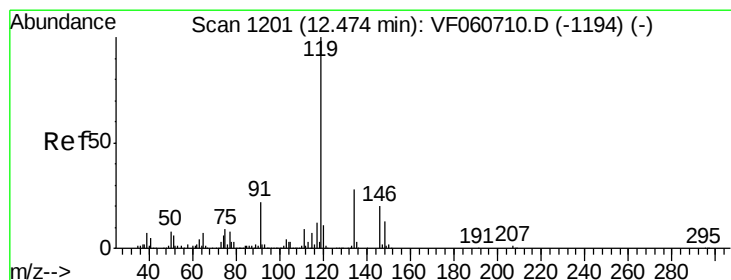
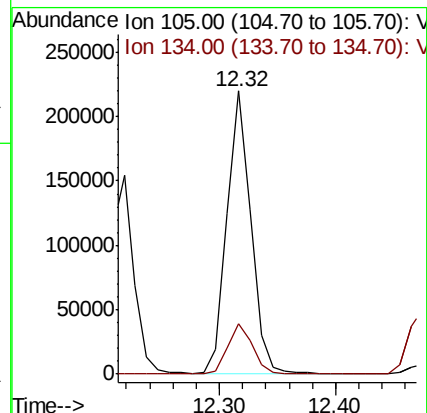
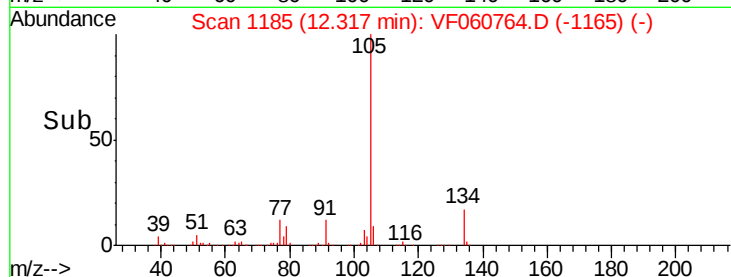
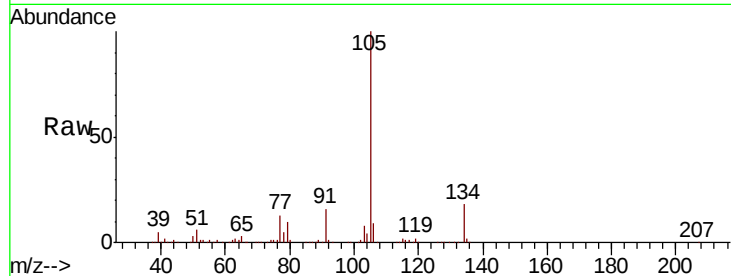
134 17.9 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 22.086 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

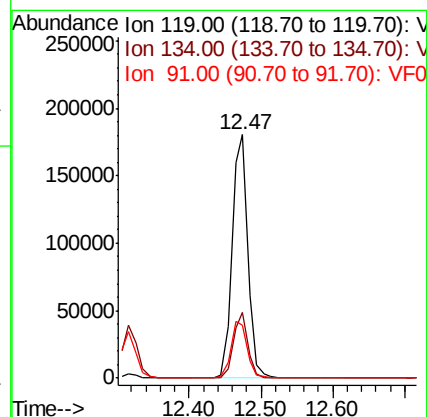
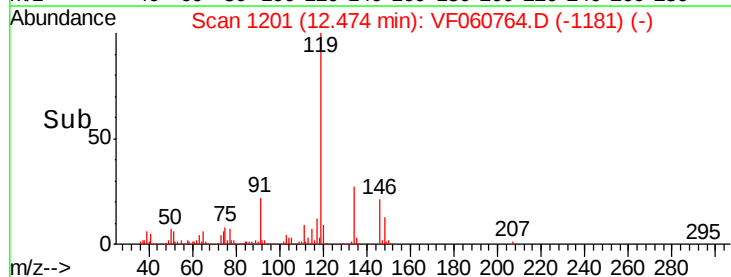
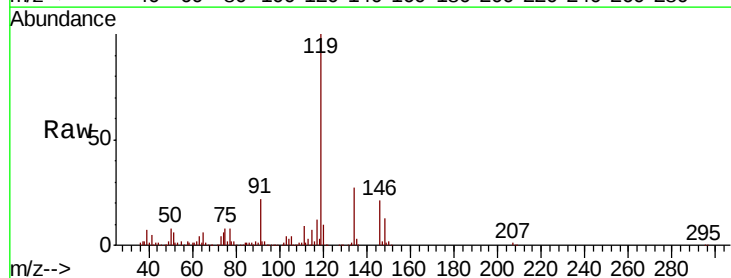
Tgt Ion:119 Resp: 271990

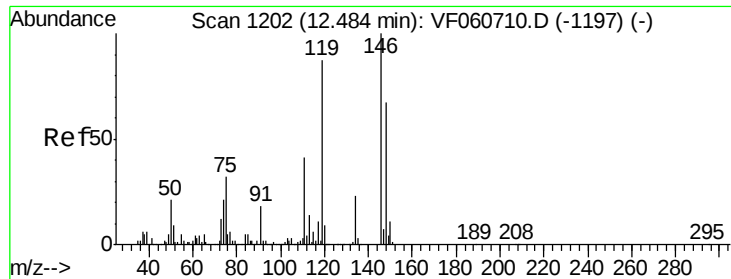
Ion Ratio Lower Upper

119 100

134 26.8 13.9 41.7

91 22.0 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 22.027 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

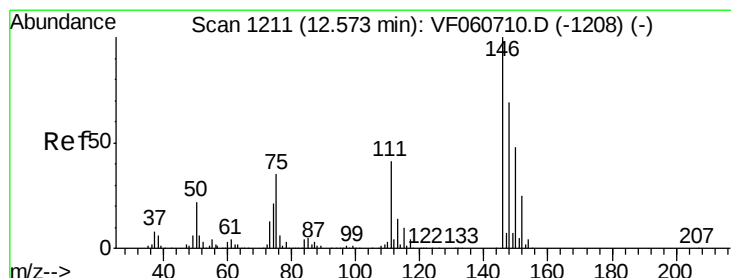
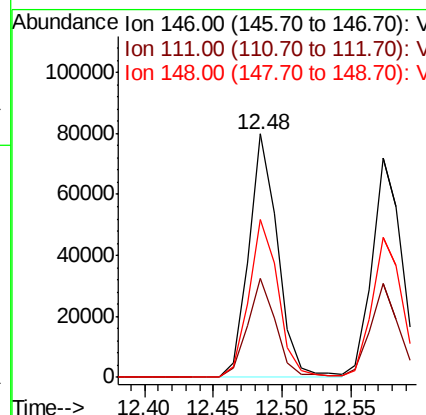
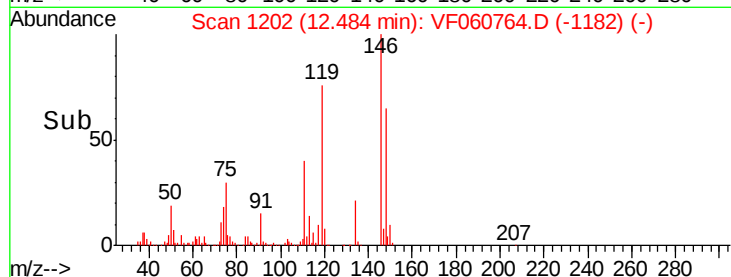
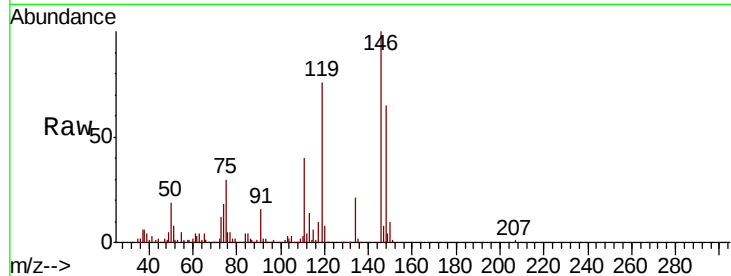
ClientSampleId :

VF1116SBS01

Tot Ion:	146	Resp:	117662
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.3	60.8
148	65.0	33.3	99.9

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#88

1,4-Dichlorobenzene

Concen: 21.483 ug/l

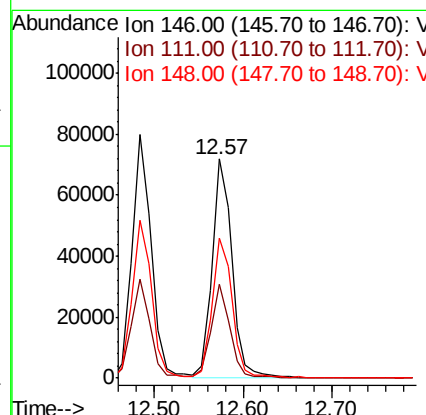
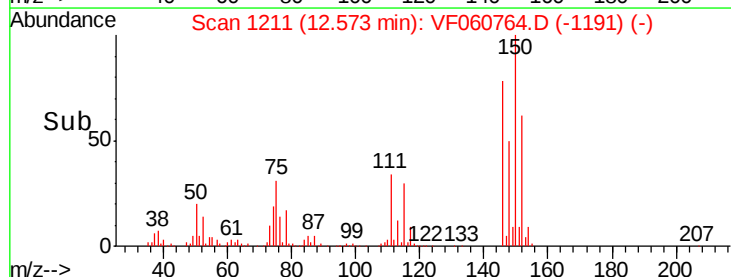
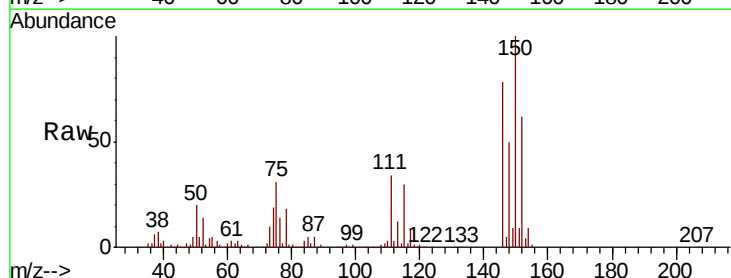
RT: 12.57 min Scan# 1211

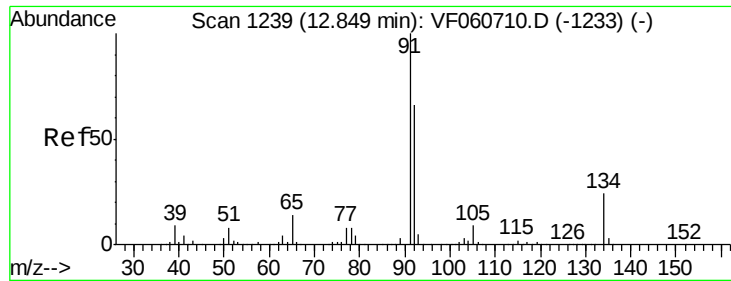
Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion:	146	Resp:	110289
Ion Ratio	Lower	Upper	
146	100		
111	43.0	20.6	61.9
148	63.7	34.7	104.1





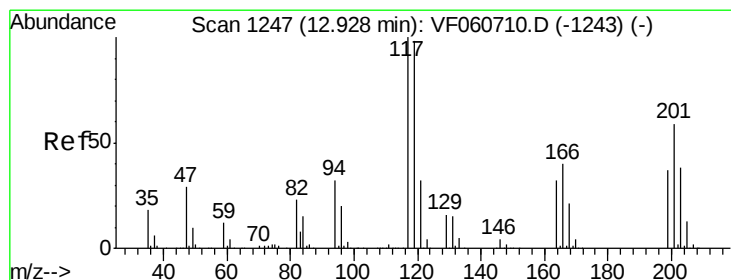
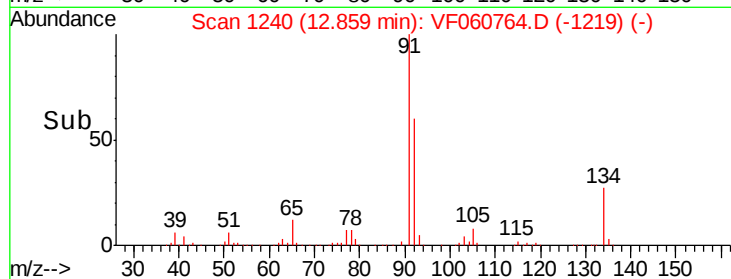
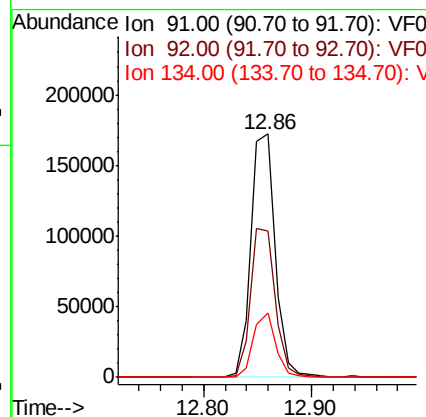
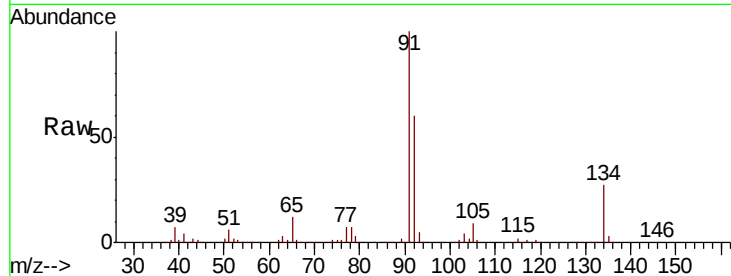
#89
n-Butylbenzene
Concen: 21.381 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	268720		
92	60.1		33.1	99.2
134	26.6		11.9	35.9

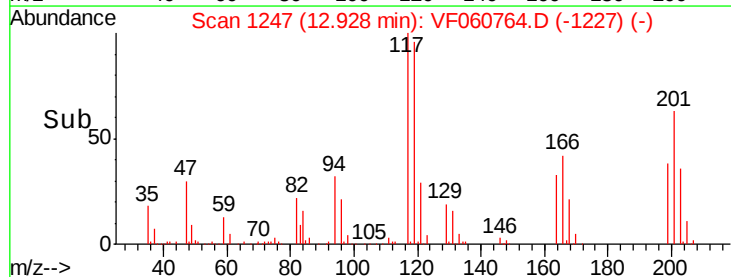
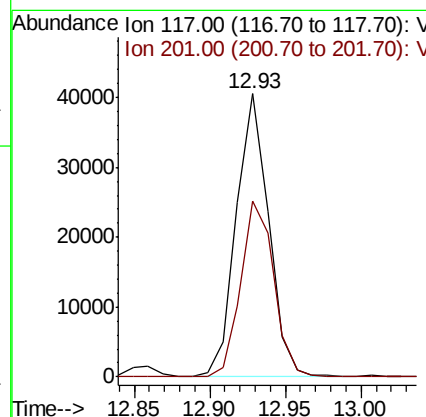
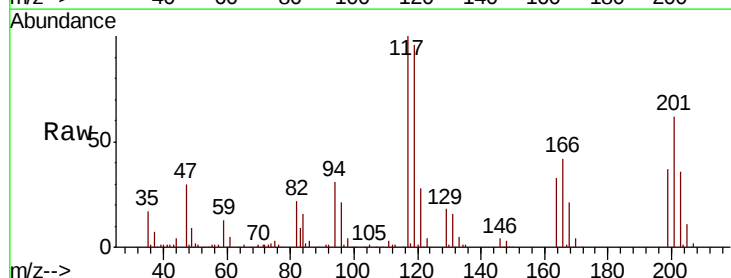
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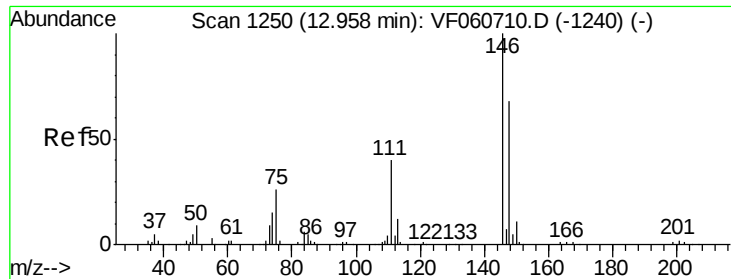
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#90
Hexachloroethane
Concen: 20.047 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60386		
201	62.0		29.4	88.3





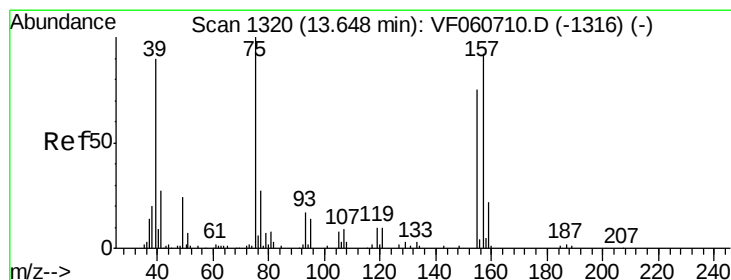
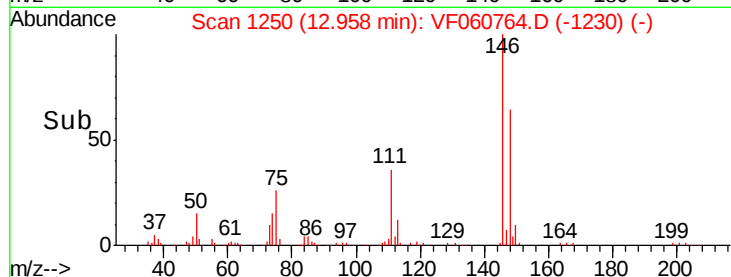
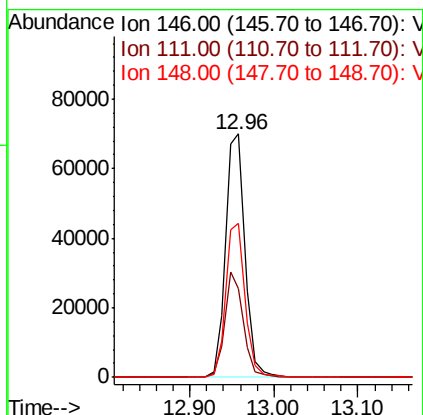
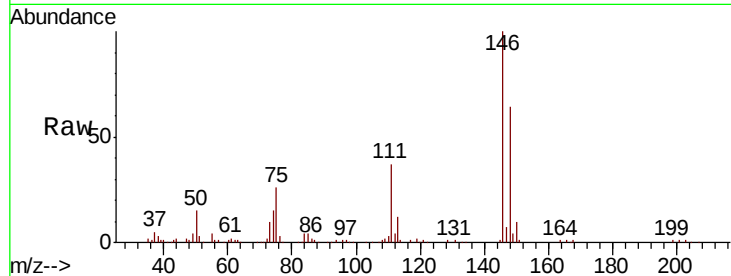
#91
 1,2-Dichlorobenzene
 Concen: 22.406 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	20.3	60.8
148	63.5	34.1	102.3

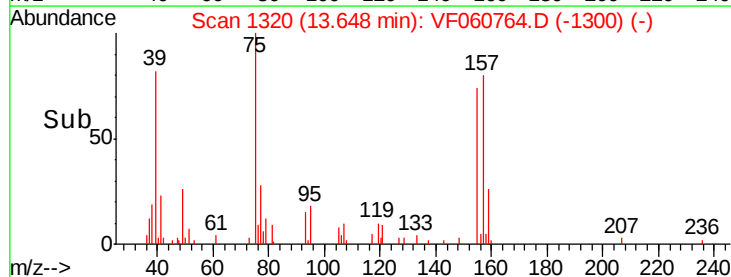
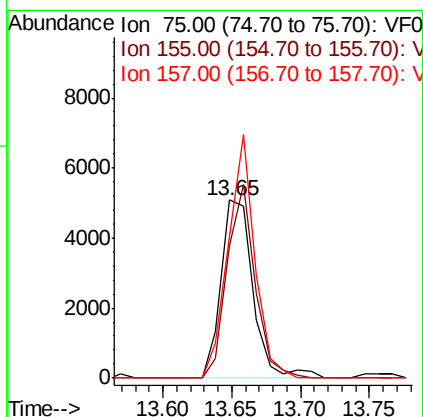
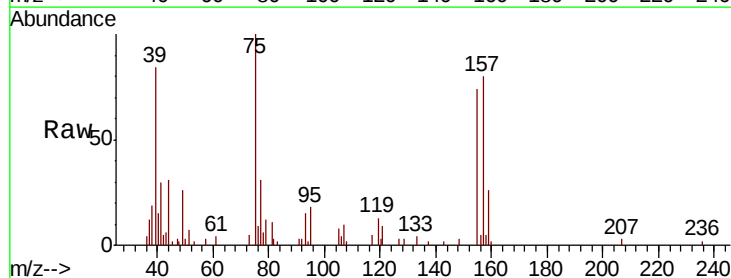
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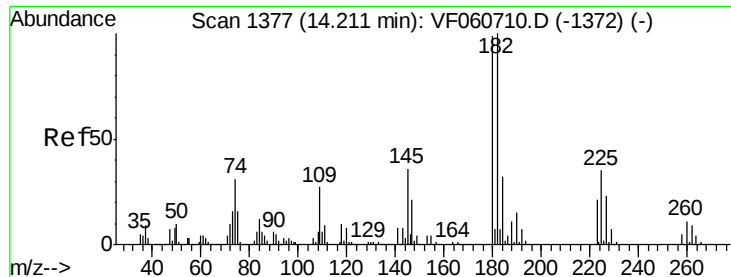
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.491 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	37.4	112.2
157	79.5	46.0	138.0





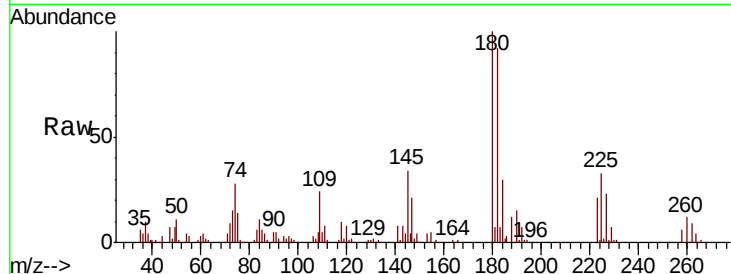
#93
 1,2,4-Trichlorobenzene
 Concen: 20.975 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.4	50.3	151.0	
145	34.1	18.3	54.9	

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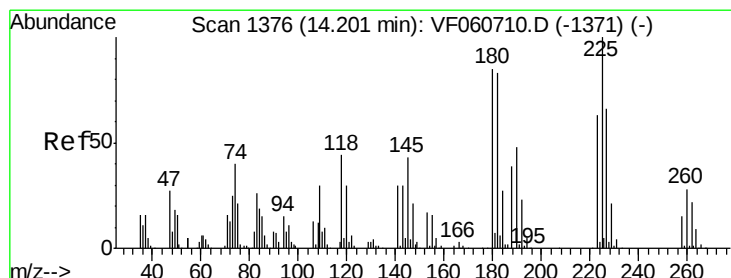
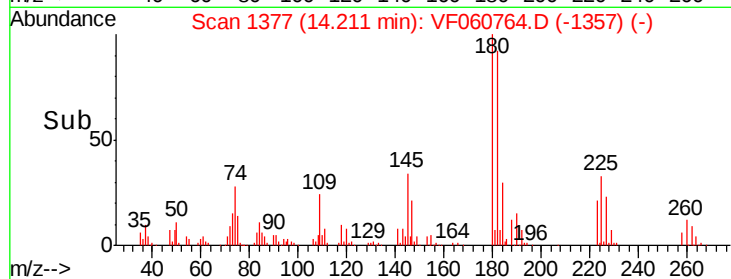
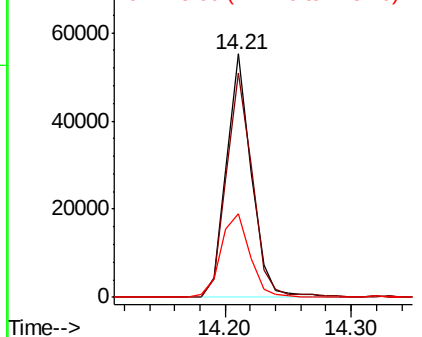


Abundance

Ion 180.00 (179.70 to 180.70): V

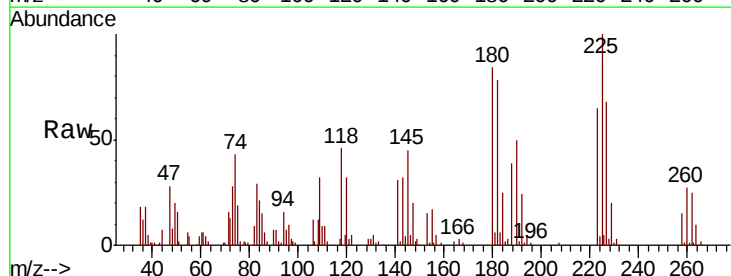
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 19.818 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.0	31.5	94.5	
227	68.3	33.0	99.0	

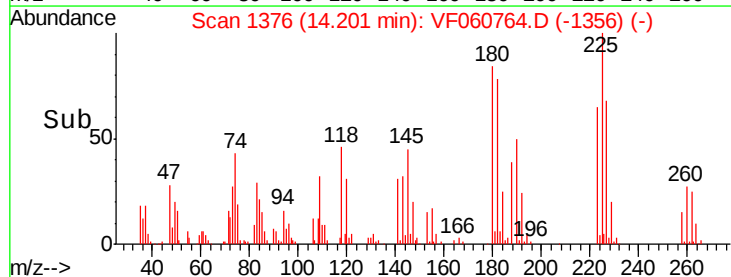
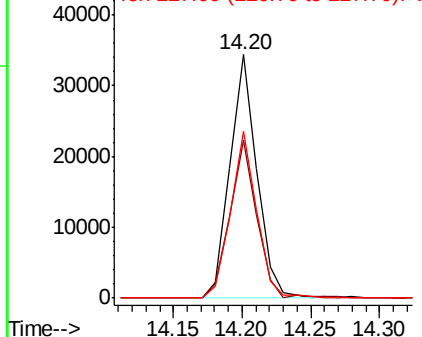


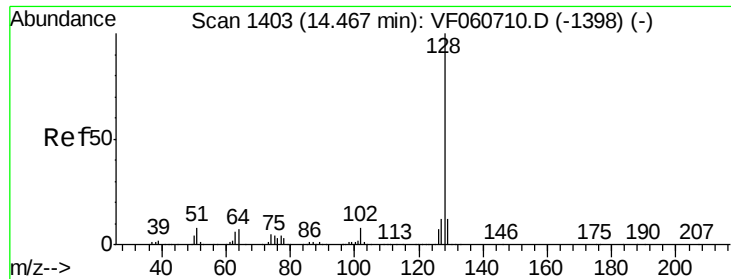
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





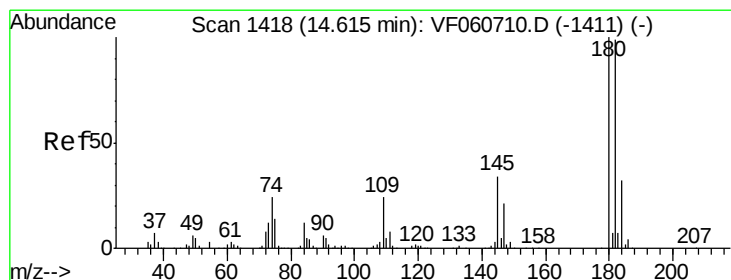
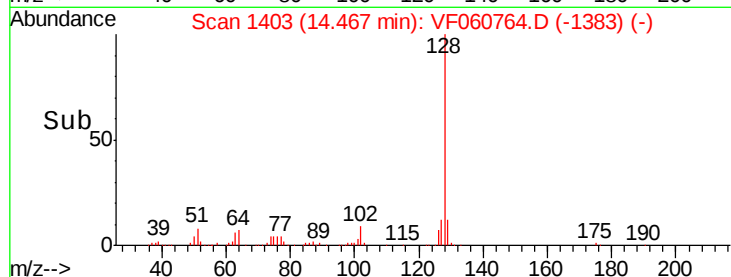
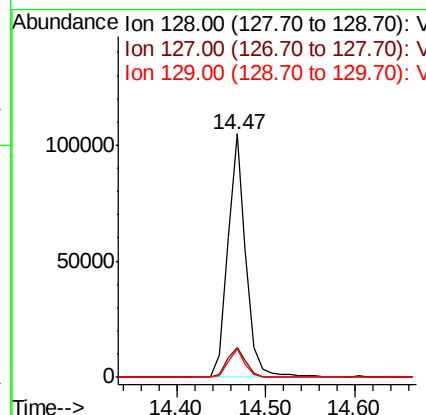
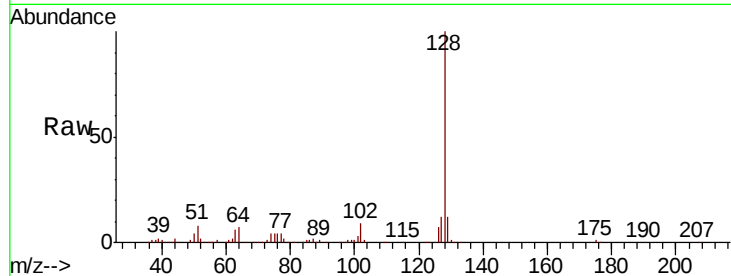
#95
Naphthalene
Concen: 22.805 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.8	14.6
129	11.6	9.3	13.9

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.666 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	49.6	149.0
145	30.5	16.9	50.7

