

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061038.D
 Acq On : 17 Dec 2018 13:47
 Operator : VA/AP
 Sample : VF1217SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Manual Integrations
 APPROVED

apatel
 12/18/2018 2:32:20 PM

Quant Time: Dec 18 03:25:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	165248	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	277748	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	248289	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	134028	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	121258	62.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	124.58%	
35) Dibromofluoromethane	4.14	113	130689	59.31	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	118.62%	
50) Toluene-d8	7.57	98	361756	55.73	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.46%	
62) 4-Bromofluorobenzene	11.43	95	167063	56.63	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	113.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	53088	21.486	ug/l	93
3) Chloromethane	1.10	50	36220	22.528	ug/l	100
4) Vinyl Chloride	1.15	62	37470	24.985	ug/l	92
5) Bromomethane	1.35	94	26931	25.467	ug/l	92
6) Chloroethane	1.40	64	18881	29.125	ug/l #	76
7) Trichlorofluoromethane	1.51	101	84202m	26.168	ug/l	
8) Diethyl Ether	1.63	74	11056	23.894	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	42219	25.953	ug/l	93
10) Methyl Iodide	1.91	142	66249m	26.793	ug/l	
11) Tert butyl alcohol	2.58	59	10144	127.119	ug/l #	92
12) 1,1-Dichloroethene	1.81	96	31387	23.988	ug/l	89
13) Acrolein	2.01	56	5925	78.366	ug/l #	79
14) Allyl chloride	2.11	41	36791	22.559	ug/l	93
15) Acrylonitrile	2.96	53	21534	120.367	ug/l	91
16) Acetone	2.26	43	43019	119.837	ug/l #	93
17) Carbon Disulfide	1.84	76	87161m	24.844	ug/l	
18) Methyl Acetate	2.36	43	20287	33.128	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	75744	25.702	ug/l	98
20) Methylene Chloride	2.27	84	33173m	25.190	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	32771m	25.979	ug/l	
22) Diisopropyl ether	2.82	45	114218	25.730	ug/l	98
23) Vinyl Acetate	3.20	43	272096	134.091	ug/l #	96
24) 1,1-Dichloroethane	2.89	63	67654	25.615	ug/l	98
25) 2-Butanone	4.36	43	79202	127.559	ug/l	94
26) 2,2-Dichloropropane	3.61	77	44153	25.786	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	53487	26.045	ug/l	95
28) Bromochloromethane	3.73	49	29776	23.491	ug/l	97
29) Tetrahydrofuran	4.10	42	30627	116.367	ug/l	95
30) Chloroform	3.88	83	103091	25.361	ug/l	97
31) Cyclohexane	3.71	56	69361	25.305	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	62513	22.175	ug/l	97
36) 1,1-Dichloropropene	4.30	75	74006	24.023	ug/l	98
37) Ethyl Acetate	4.14	43	28440	22.717	ug/l #	77
38) Carbon Tetrachloride	4.01	117	60274	22.151	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.47	83	71486	22.142	ug/l	96
40) Benzene	4.65	78	167307	24.583	ug/l	100
41) Methacrylonitrile	4.77	41	15482	21.689	ug/l	90
42) 1,2-Dichloroethane	4.96	62	63353	25.497	ug/l	93
43) Isopropyl Acetate	6.98	43	36135	21.864	ug/l #	86
44) Trichloroethene	5.52	130	53935	24.237	ug/l	89
45) 1,2-Dichloropropane	6.26	63	43824	24.793	ug/l	93
46) Dibromomethane	6.10	93	28333	23.629	ug/l #	89
47) Bromodichloromethane	6.41	83	77457	24.322	ug/l	99
48) Methyl methacrylate	6.73	41	23133	20.414	ug/l	91
49) 1,4-Dioxane	6.73	88	4008	483.269	ug/l	90
51) 4-Methyl-2-Pentanone	8.27	43	142696	123.604	ug/l	98
52) Toluene	7.64	92	109059	22.813	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	61262	23.649	ug/l	91
54) cis-1,3-Dichloropropene	7.33	75	74296	23.167	ug/l	94
55) 1,1,2-Trichloroethane	8.51	97	32362	23.232	ug/l #	83
56) Ethyl methacrylate	8.64	69	35336	22.835	ug/l	93
57) 1,3-Dichloropropane	8.87	76	61081	25.063	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.33	63	35075	221.601	ug/l	93
59) 2-Hexanone	9.52	43	103434	127.708	ug/l	97
60) Dibromochloromethane	8.74	129	46445	22.378	ug/l	98
61) 1,2-Dibromoethane	9.00	107	34033	22.616	ug/l	92
64) Tetrachloroethene	8.17	164	43764	23.077	ug/l	96
65) Chlorobenzene	9.82	112	118056	24.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	50081	24.118	ug/l	82
67) Ethyl Benzene	9.92	91	234799	26.111	ug/l	97
68) m/p-Xylenes	10.15	106	163508	50.556	ug/l	92
69) o-Xylene	10.73	106	85090	23.859	ug/l	87
70) Styrene	10.81	104	123510	24.983	ug/l	97
71) Bromoform	10.79	173	25261	25.185	ug/l	92
73) Isopropylbenzene	11.14	105	257352	24.298	ug/l	100
74) N-amyl acetate	11.39	43	60701	24.819	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.71	83	44959	25.792	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	31616	24.953	ug/l	90
77) Bromobenzene	11.51	156	56562	24.358	ug/l	85
78) n-propylbenzene	11.61	91	327152	26.376	ug/l	99
79) 2-Chlorotoluene	11.73	91	186377	26.206	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	217979	25.351	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	14715m	23.703	ug/l	
82) 4-Chlorotoluene	11.91	91	187439	25.043	ug/l	99
83) tert-Butylbenzene	12.14	119	218775	24.978	ug/l	92
84) 1,2,4-Trimethylbenzene	12.22	105	219404	25.567	ug/l	97
85) sec-Butylbenzene	12.32	105	303285	25.295	ug/l	98
86) p-Isopropyltoluene	12.47	119	257464	25.612	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	111992	25.355	ug/l	94
88) 1,4-Dichlorobenzene	12.57	146	103800	24.114	ug/l	97
89) n-Butylbenzene	12.86	91	274708	27.026	ug/l	97
90) Hexachloroethane	12.93	117	57932	23.933	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	107316	25.656	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8396	24.913	ug/l	90

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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	76149	26.055	ug/l	99
94) Hexachlorobutadiene	14.20	225	48592	24.941	ug/l	95
95) Naphthalene	14.47	128	137367	22.276	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	71831	26.470	ug/l	97

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

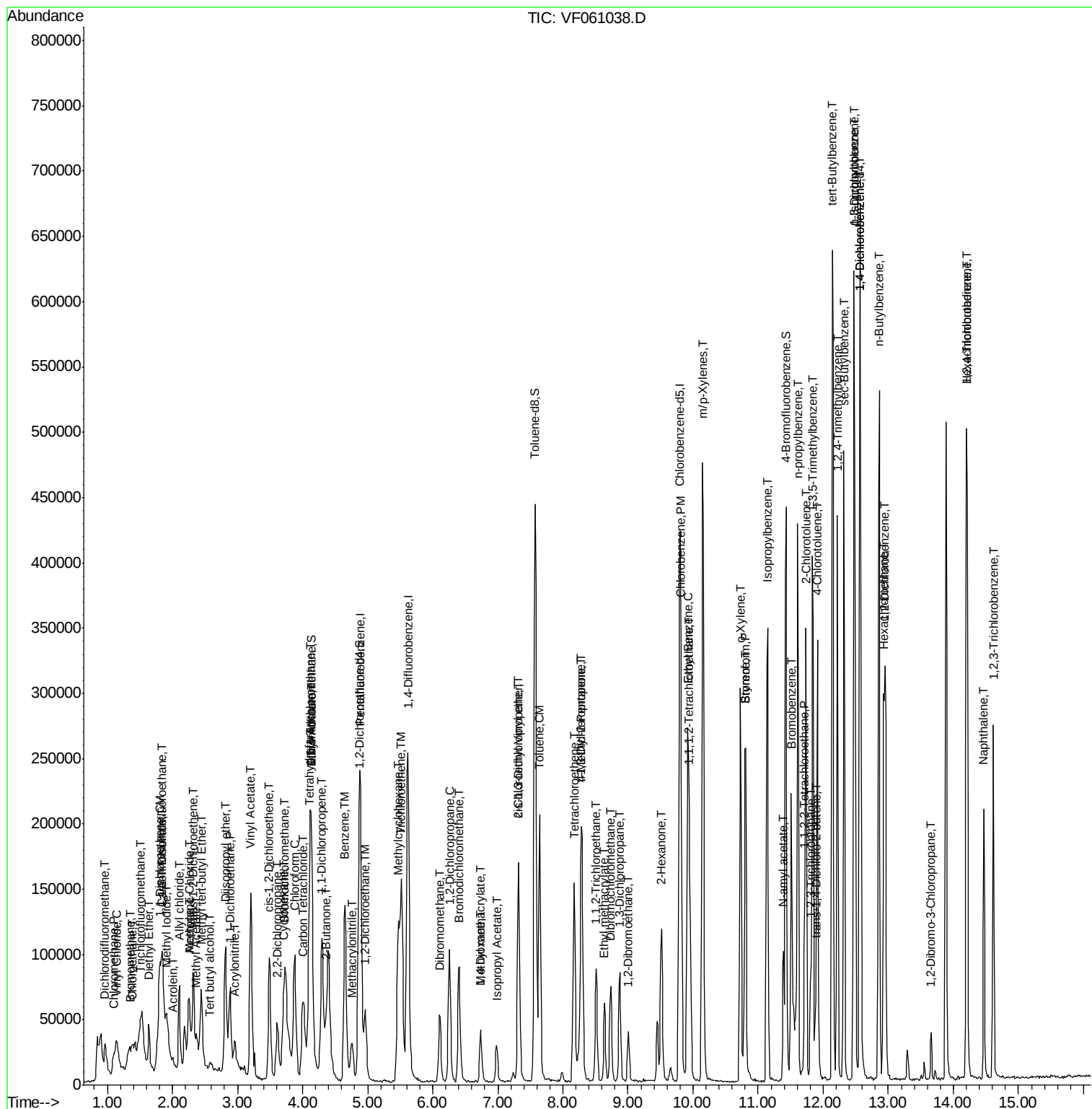
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Data File : VF061038.D
Acq On : 17 Dec 2018 13:47
Operator : VA/AP
Sample : VF1217SBSD01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
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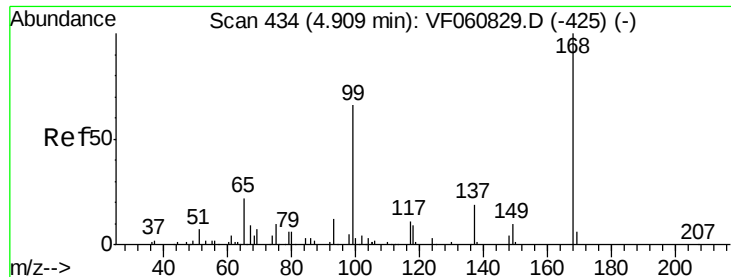
Instrument :
MSVOA_F
ClientSampleId :
VF1217SBSD01

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:168 Resp: 165248

Ion Ratio Lower Upper

168 100

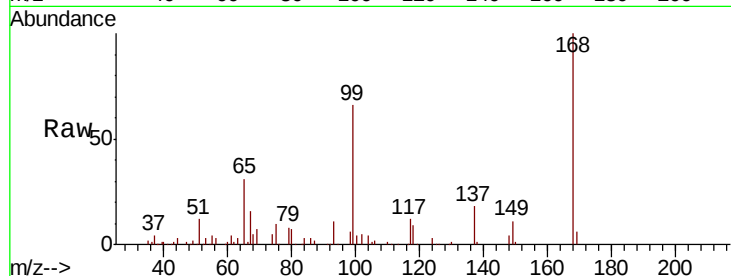
99 66.1 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

50000

40000

30000

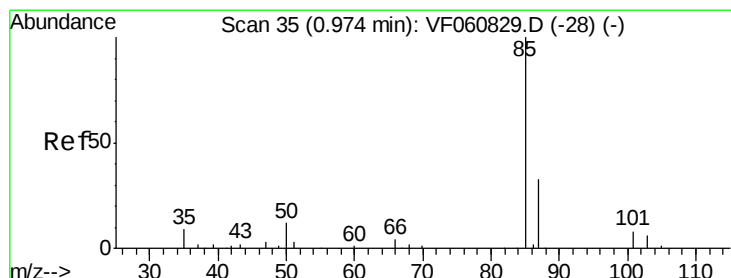
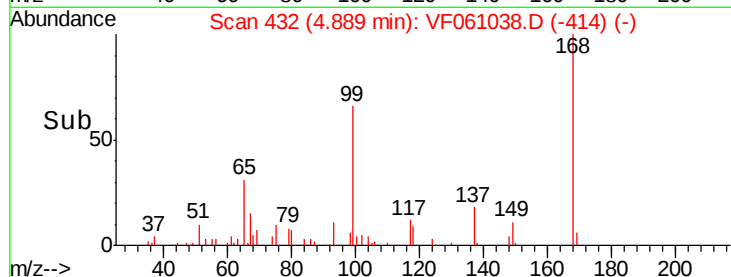
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.486 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF061038.D

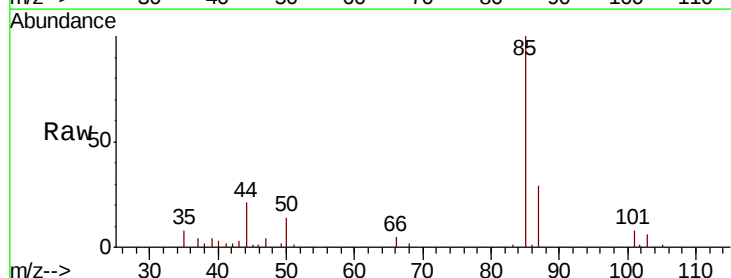
Acq: 17 Dec 2018 13:47

Tgt Ion: 85 Resp: 53088

Ion Ratio Lower Upper

85 100

87 29.1 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

15000

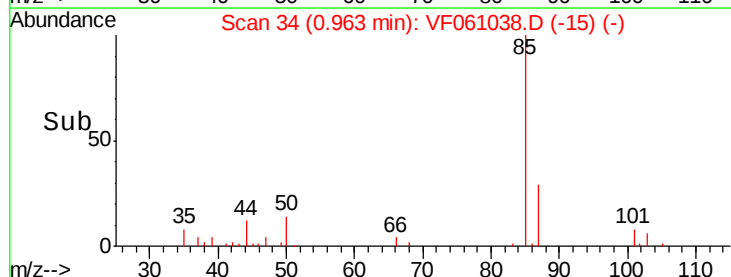
10000

5000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 22.528 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 50 Resp: 36220

Ion Ratio Lower Upper

50 100

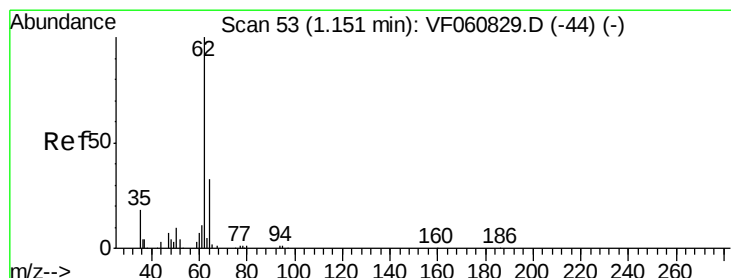
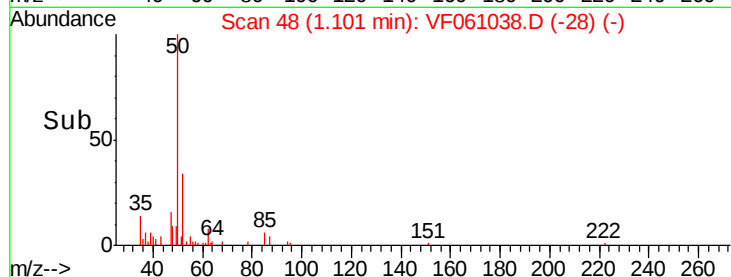
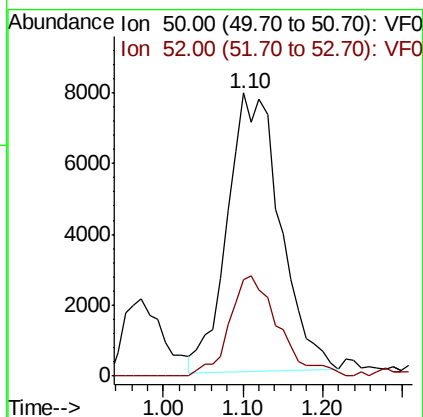
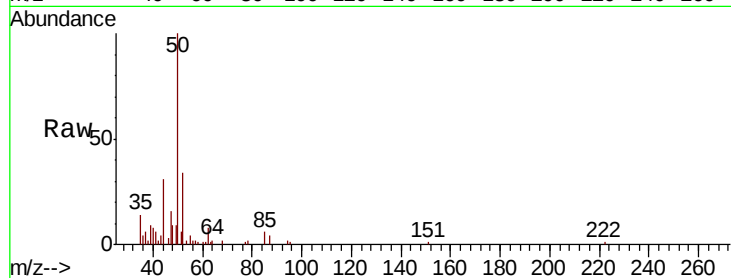
52 34.0 27.0 40.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.985 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF061038.D

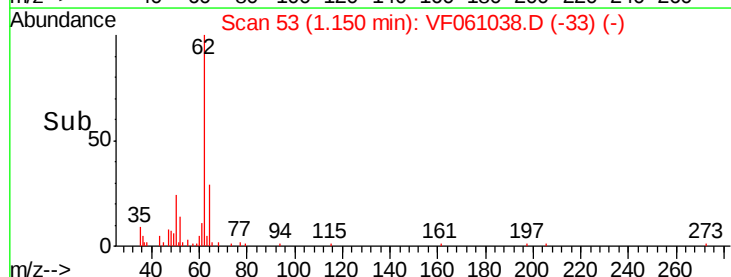
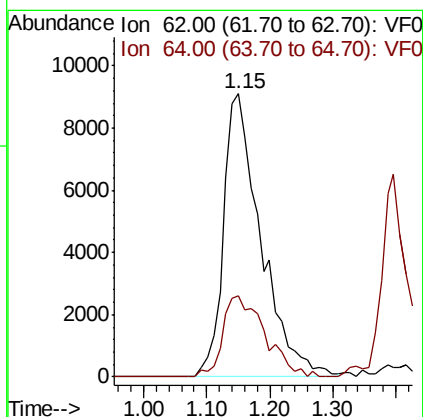
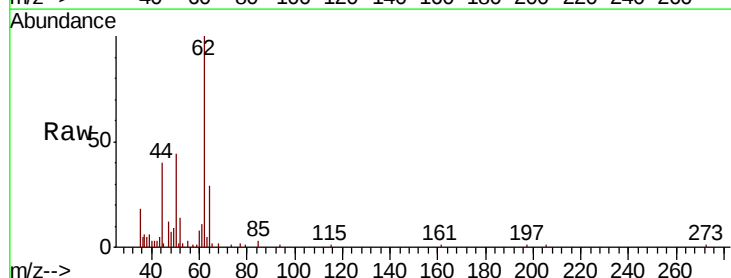
Acq: 17 Dec 2018 13:47

Tgt Ion: 62 Resp: 37470

Ion Ratio Lower Upper

62 100

64 28.7 26.4 39.6





#5

Bromomethane

Concen: 25.467 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 94 Resp: 26931

Ion Ratio Lower Upper

94 100

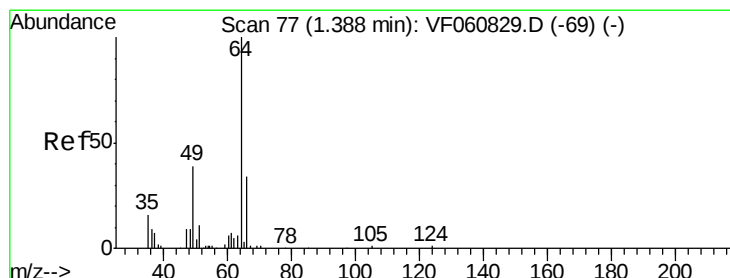
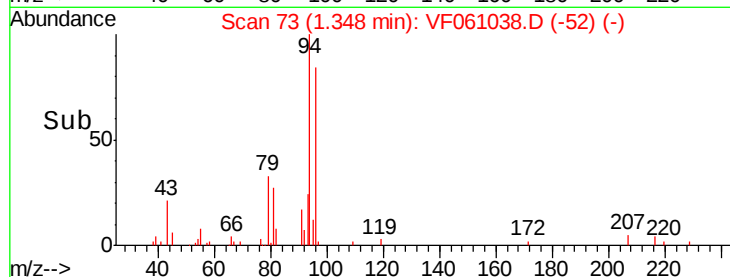
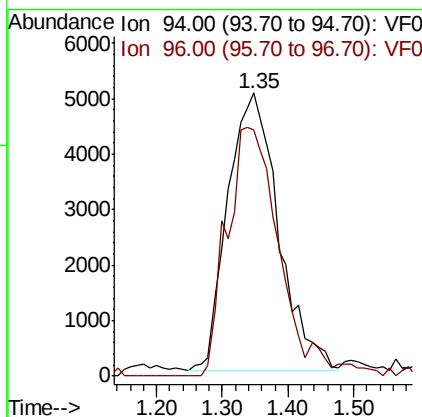
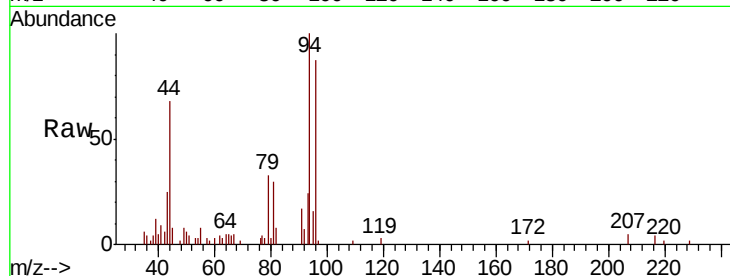
96 87.0 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 29.125 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061038.D

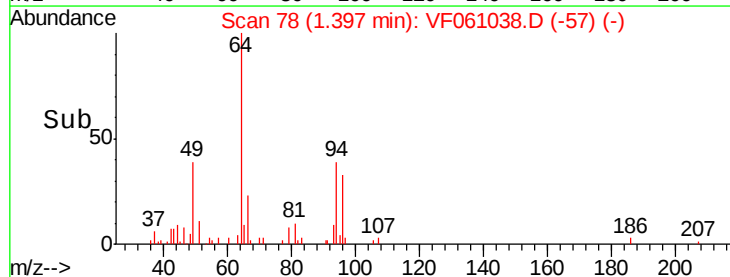
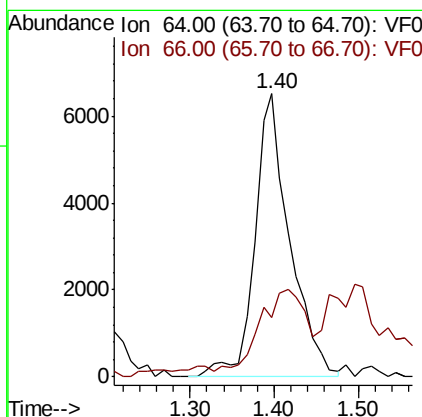
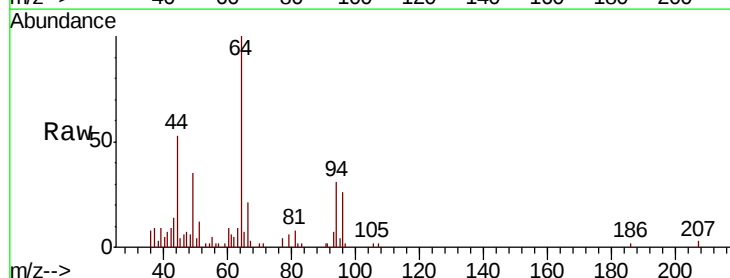
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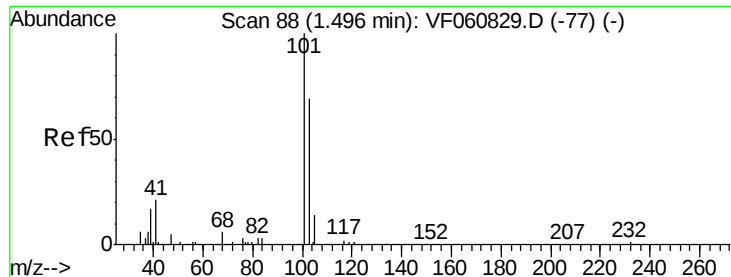
Tgt Ion: 64 Resp: 18881

Ion Ratio Lower Upper

64 100

66 20.9 28.1 42.1#





#7

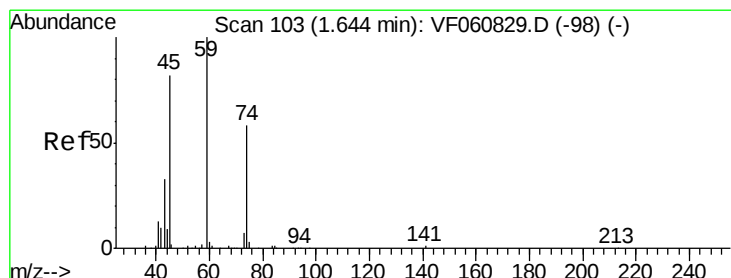
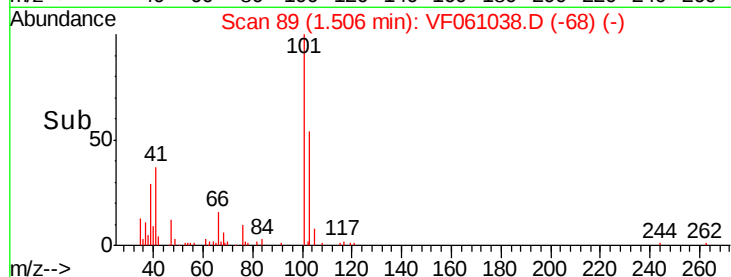
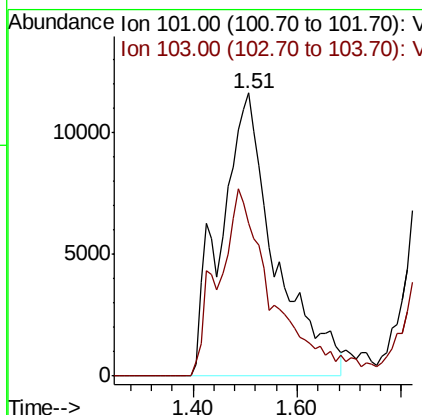
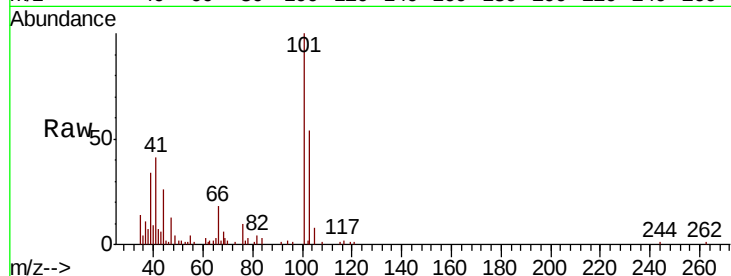
Trichlorofluoromethane
Concen: 26.168 ug/l
RT: 1.51 min Scan# 89
Delta R.T. 0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.1	55.4	83.0#

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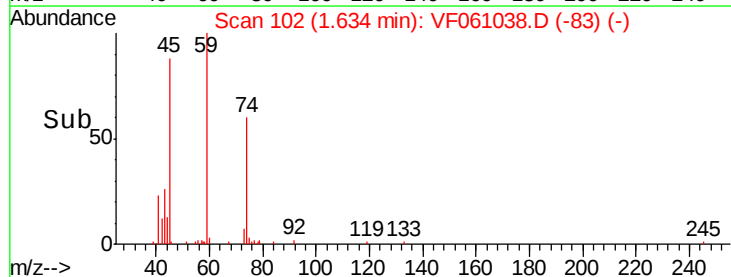
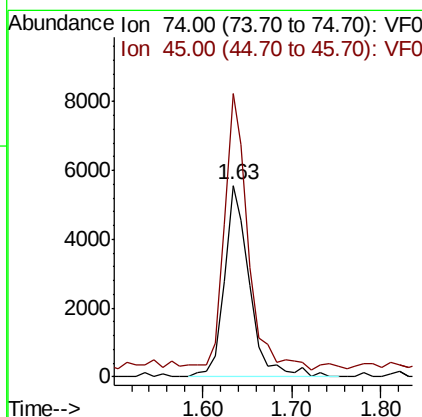
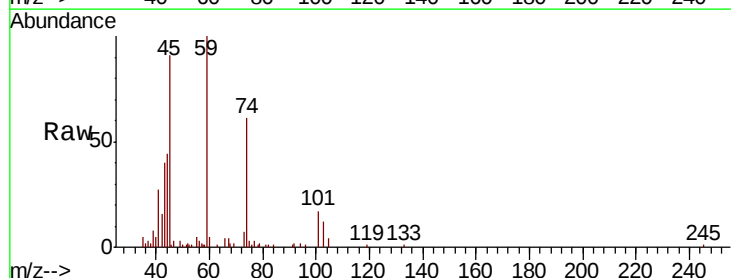
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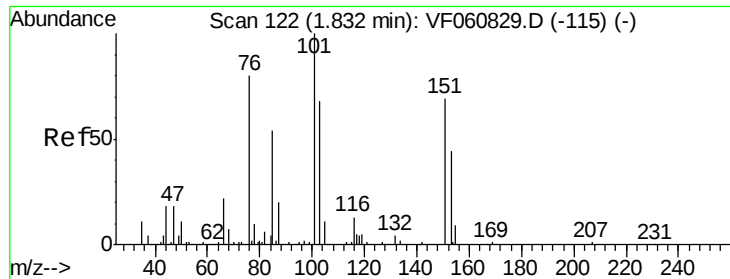


#8

Diethyl Ether
Concen: 23.894 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	147.6	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.953 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

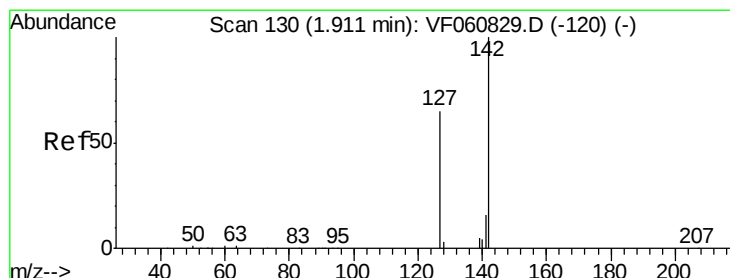
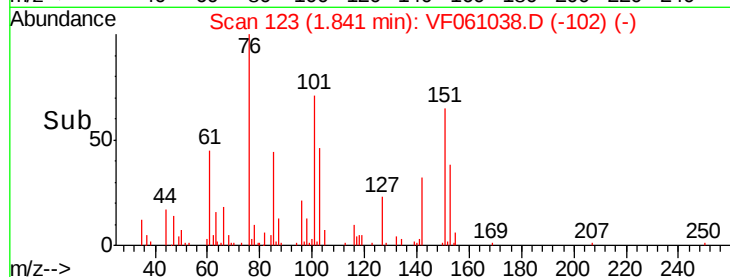
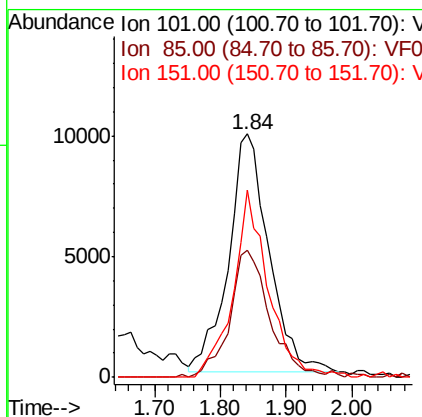
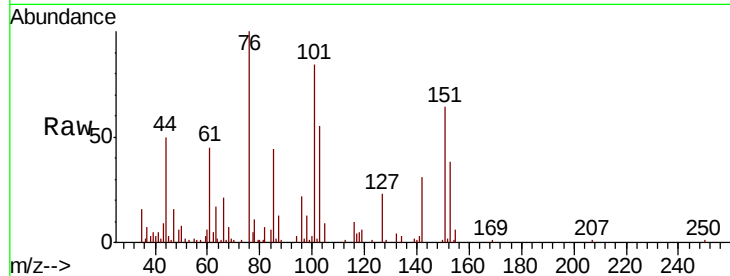
ClientSampleId :

VF1217SBS01

Tot Ion:	101	Resp:	42219
Ion Ratio	Lower	Upper	
101	100		
85	52.5	42.8	64.2
151	76.7	54.4	81.6

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#10

Methyl Iodide

Concen: 26.793 ug/l m

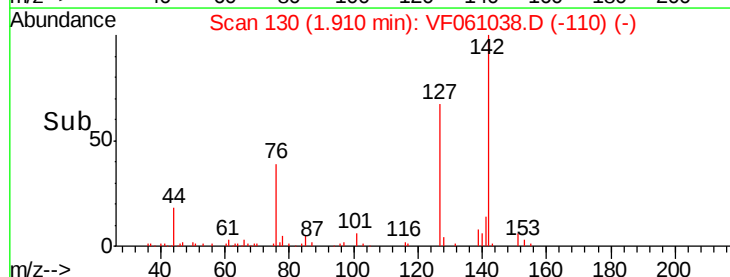
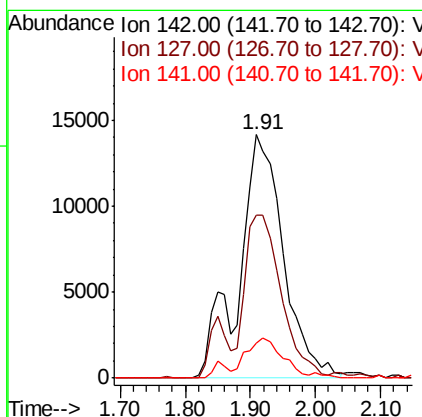
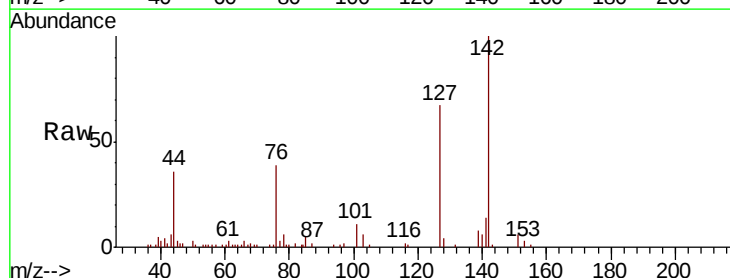
RT: 1.91 min Scan# 130

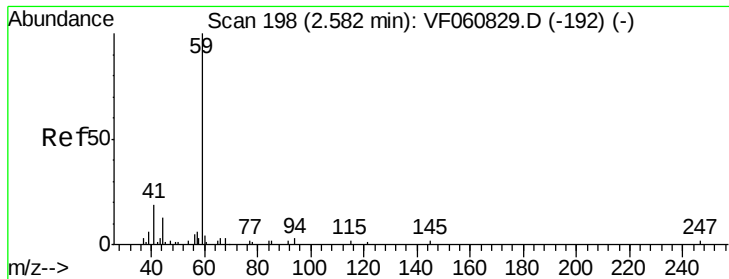
Delta R.T. -0.00 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion:	142	Resp:	66249
Ion Ratio	Lower	Upper	
142	100		
127	66.8	51.9	77.9
141	14.2	12.7	19.1





#11

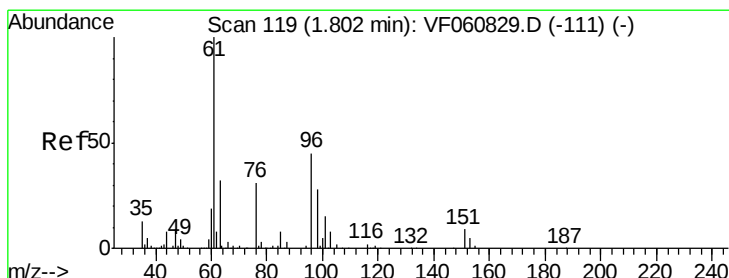
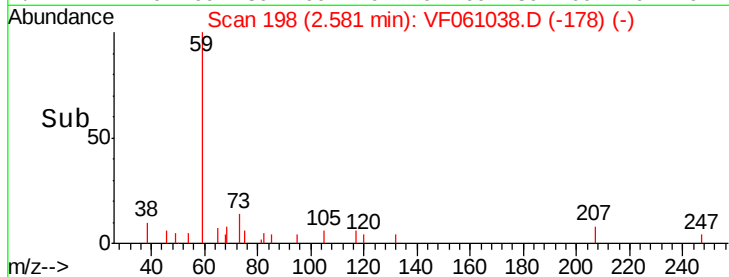
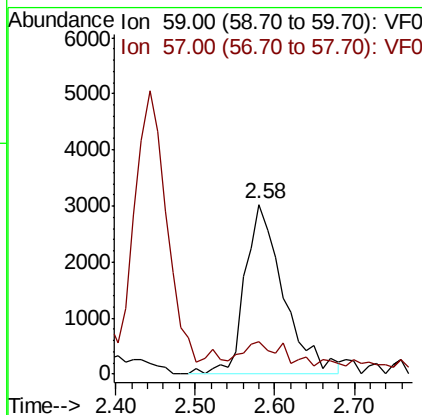
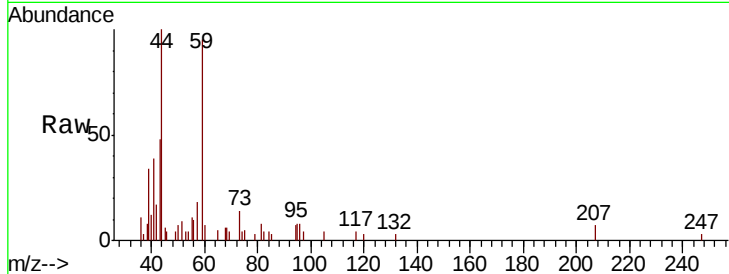
Tert butyl alcohol
 Concen: 127.119 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	59	Resp	10144
Ion Ratio	Lower	Upper	
59	100		
57	19.3	12.7	19.1#

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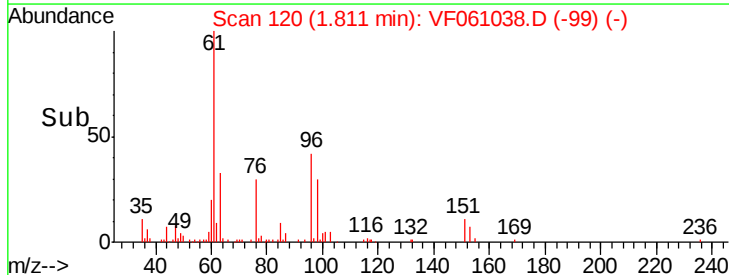
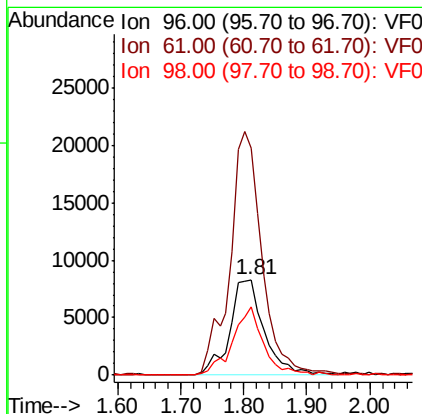
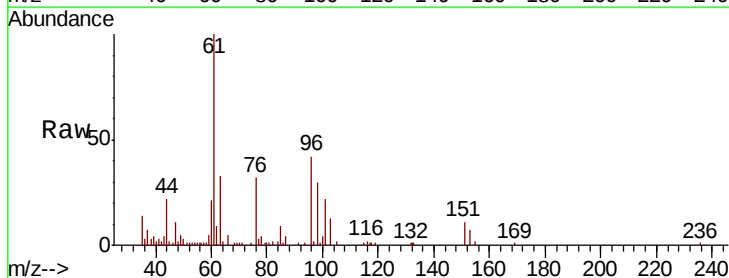
apatel
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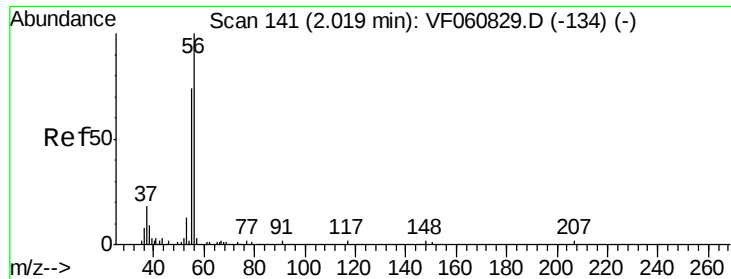


#12

1,1-Dichloroethene
 Concen: 23.988 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Tgt Ion	96	Resp	31387
Ion Ratio	Lower	Upper	
96	100		
61	238.2	177.3	265.9
98	71.8	49.6	74.4





#13

Acrolein

Concen: 78.366 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 56 Resp: 5925

Ion Ratio Lower Upper

56 100

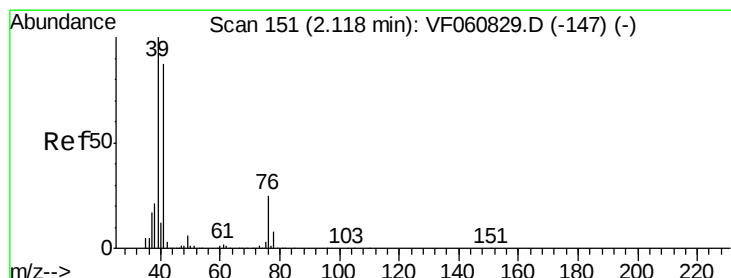
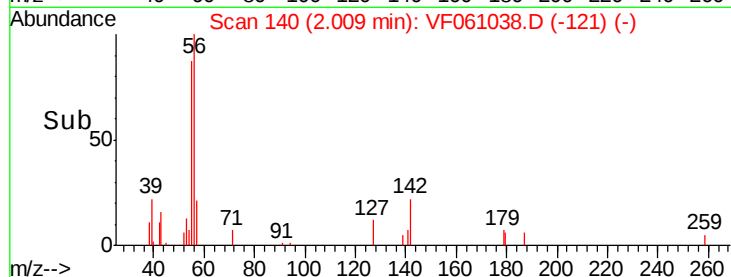
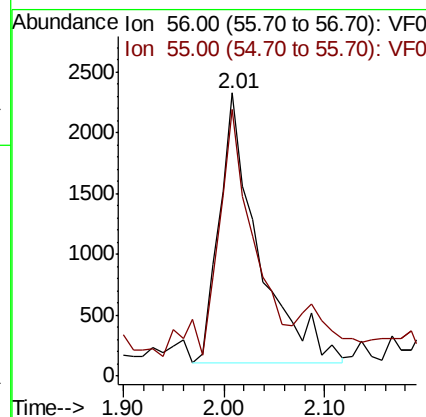
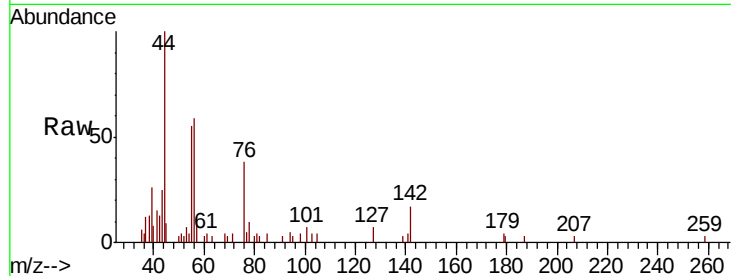
55 94.2 61.2 91.8#

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#14

Allyl chloride

Concen: 22.559 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

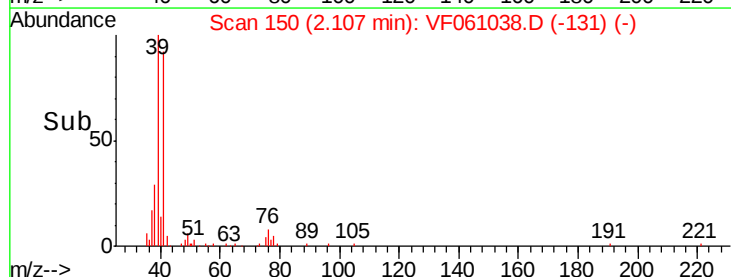
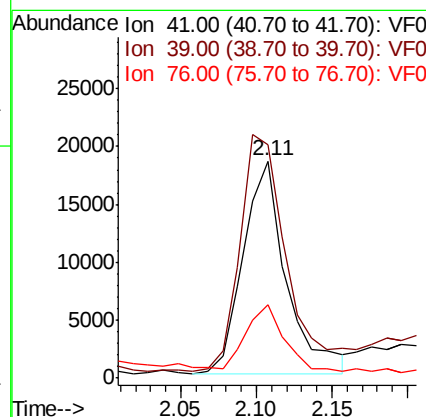
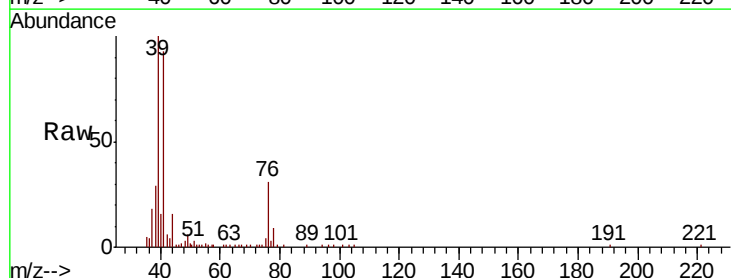
Tgt Ion: 41 Resp: 36791

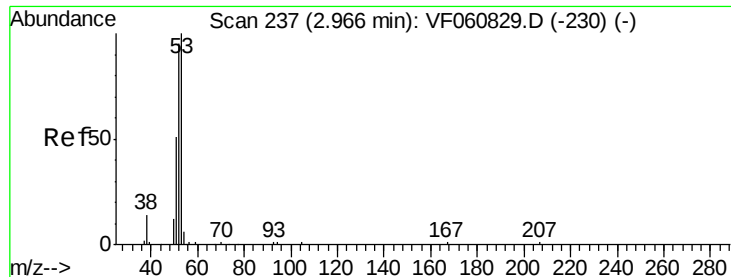
Ion Ratio Lower Upper

41 100

39 107.6 91.7 137.5

76 33.6 23.5 35.3





#15

Acrylonitrile

Concen: 120.367 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

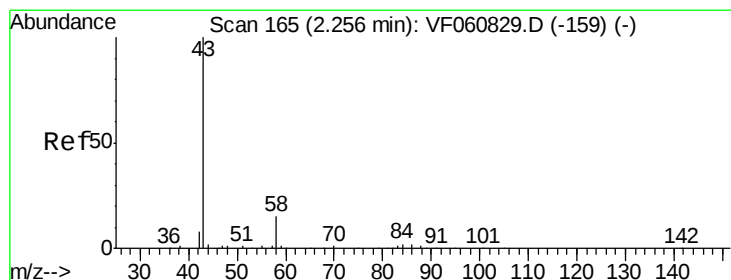
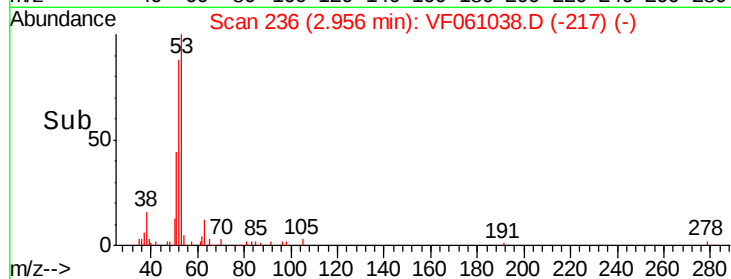
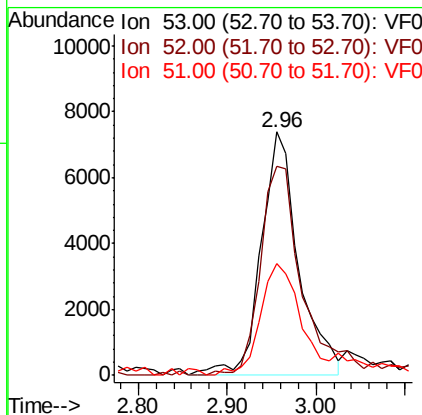
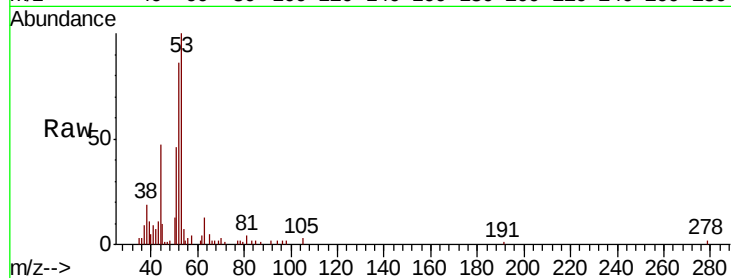
ClientSampleId :

VF1217SBS01

Tot Ion:	53	Resp:	21534
Ion	Ratio	Lower	Upper
53	100		
52	85.9	76.5	114.7
51	45.9	40.7	61.1

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#16

Acetone

Concen: 119.837 ug/l

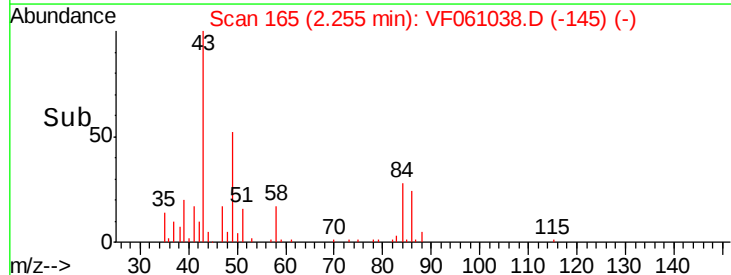
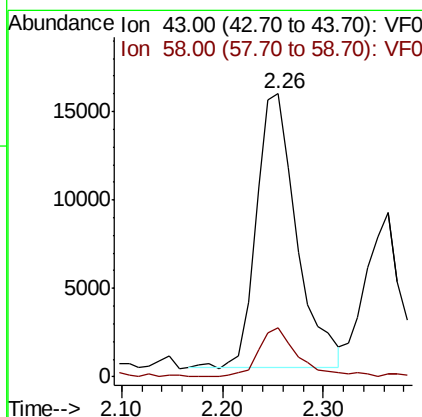
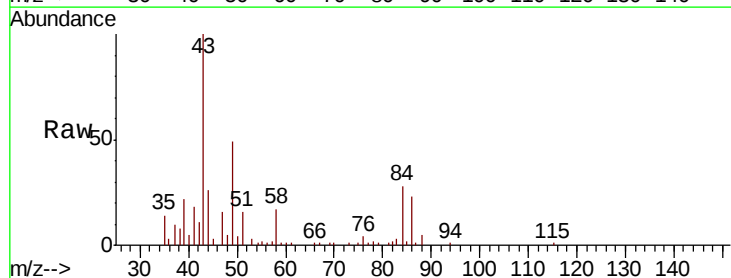
RT: 2.26 min Scan# 165

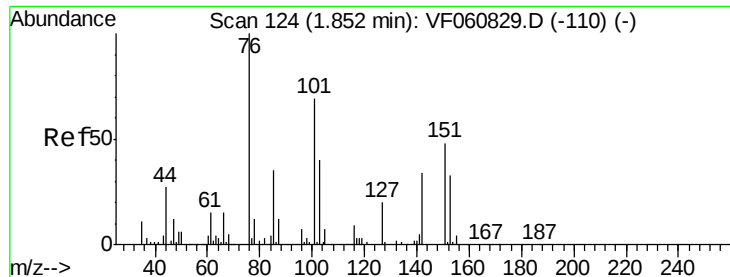
Delta R.T. -0.00 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion:	43	Resp:	43019
Ion	Ratio	Lower	Upper
43	100		
58	17.3	11.4	17.2#





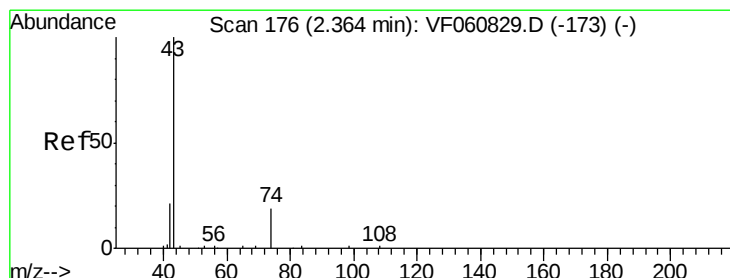
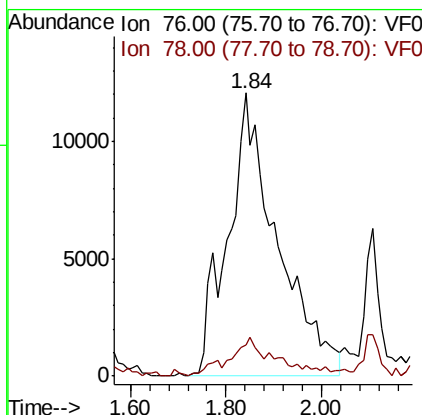
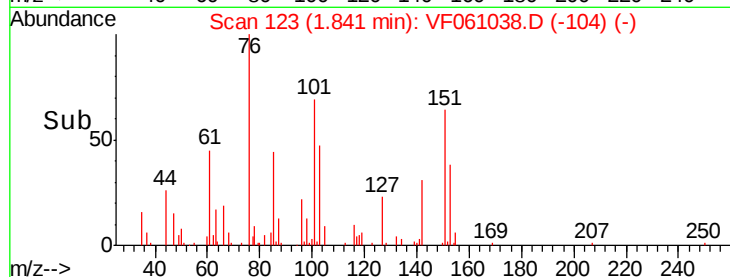
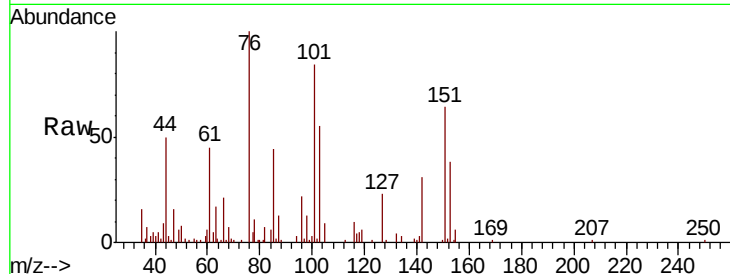
#17
Carbon Disulfide
Concen: 24.844 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion: 76 Resp: 87161
Ion Ratio Lower Upper
76 100
78 10.9 10.2 15.2

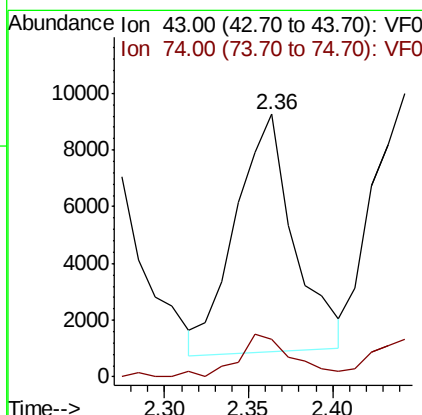
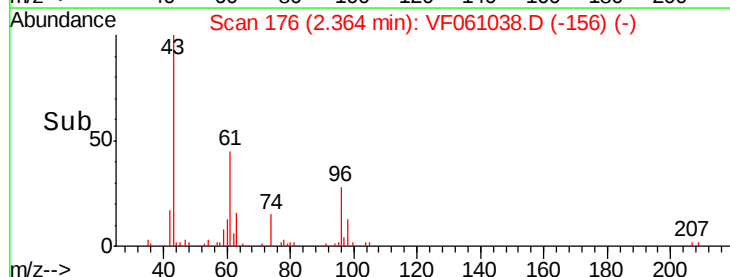
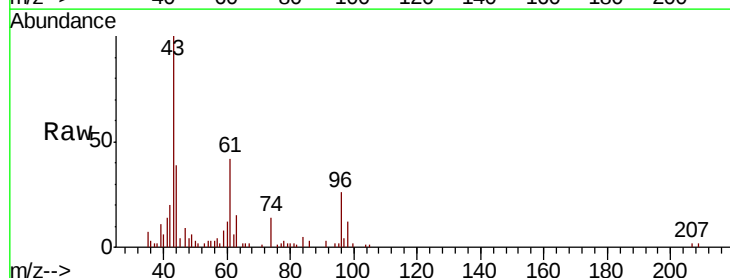
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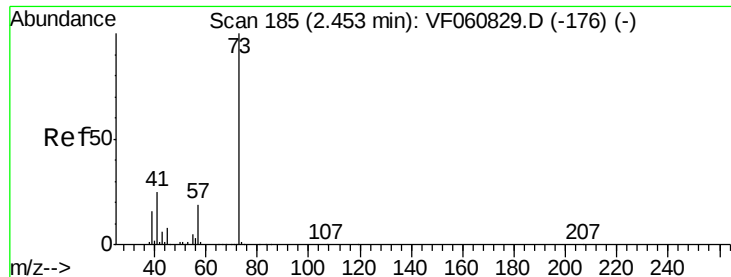
apatel
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#18
Methyl Acetate
Concen: 33.128 ug/l
RT: 2.36 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion: 43 Resp: 20287
Ion Ratio Lower Upper
43 100
74 14.2 13.3 19.9





#19

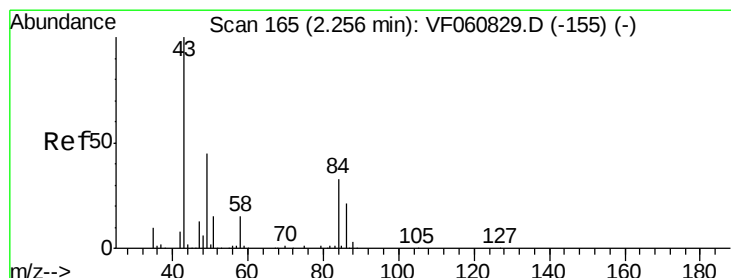
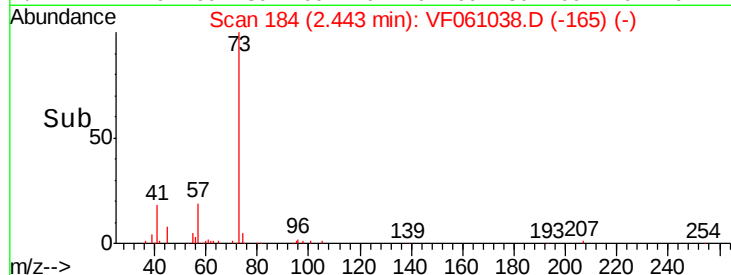
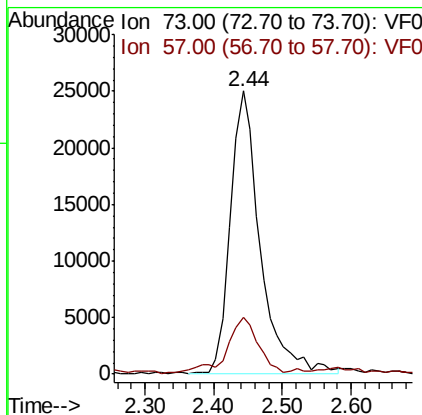
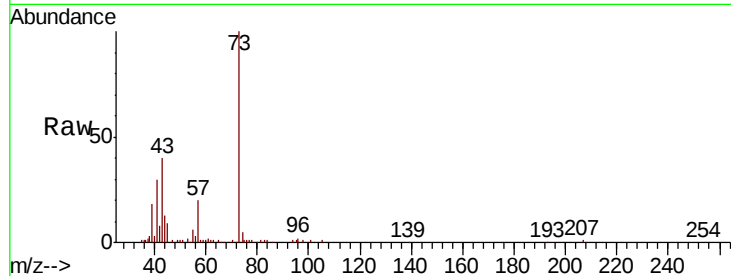
Methyl tert-butyl Ether
 Concen: 25.702 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	73	Resp	75744
Ion Ratio	100	Lower	Upper
73	100	15.3	22.9
57	20.2		

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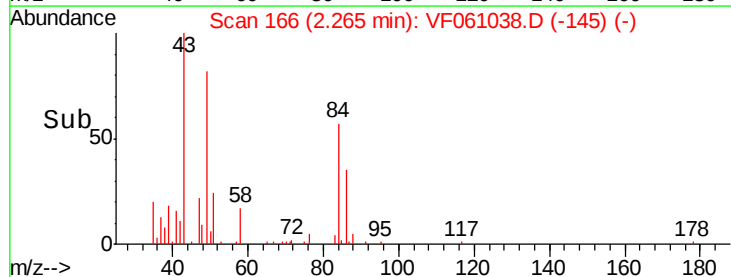
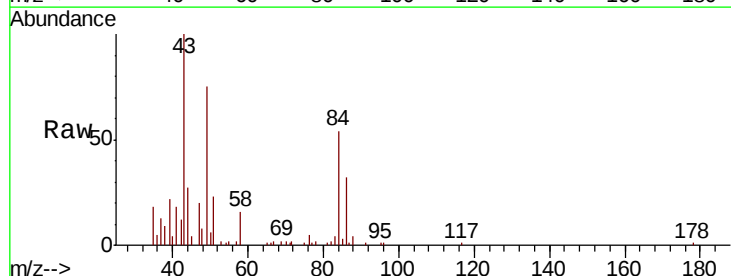
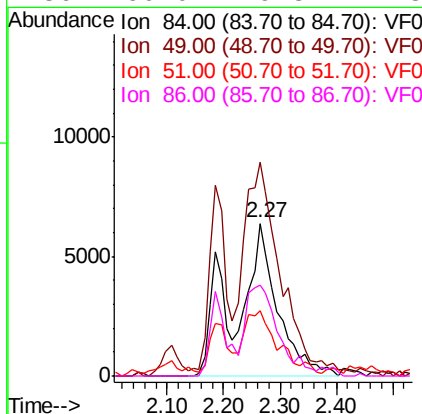
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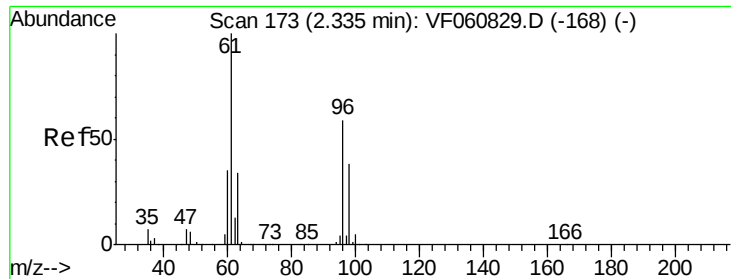


#20

Methylene Chloride
 Concen: 25.190 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Tgt Ion	84	Resp	33173
Ion Ratio	100	Lower	Upper
84	100	111.3	166.9
49	140.2	38.0	57.0
51	43.3	49.8	74.8
86	60.0		





#21

trans-1,2-Dichloroethene

Concen: 25.979 ug/l m

RT: 2.31 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

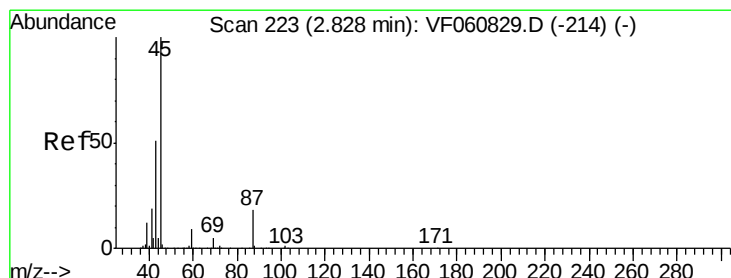
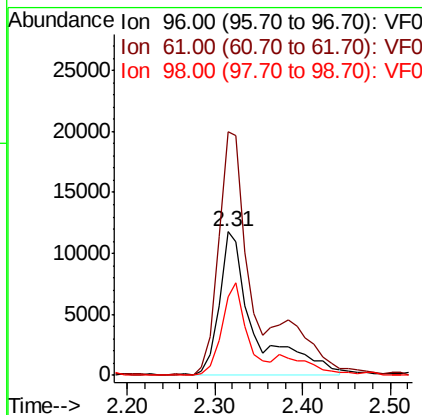
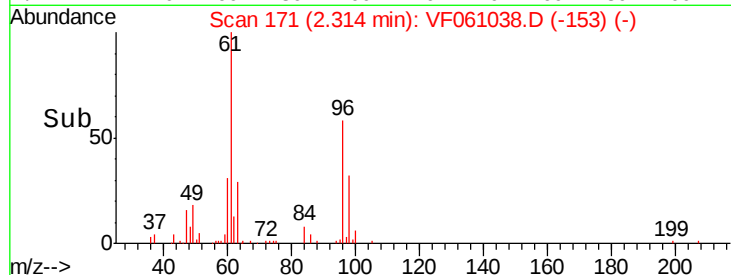
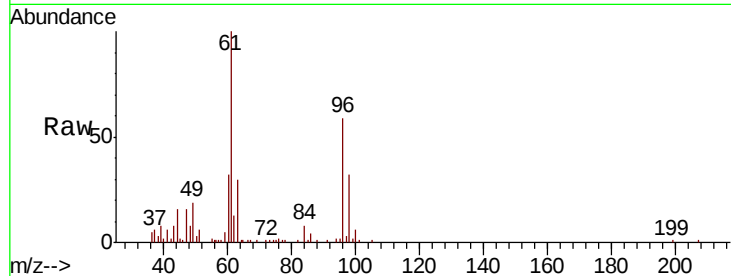
ClientSampleId :

VF1217SBS01

Tot Ion:	96	Resp:	32771
Ion	Ratio	Lower	Upper
96	100		
61	169.9	134.5	201.7
98	54.4	51.6	77.4

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#22

Diisopropyl ether

Concen: 25.730 ug/l

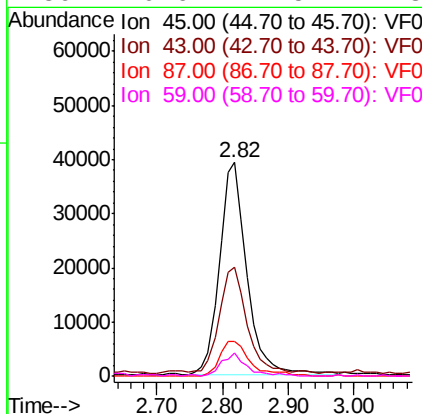
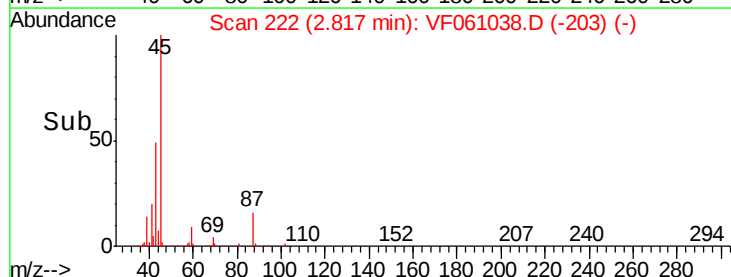
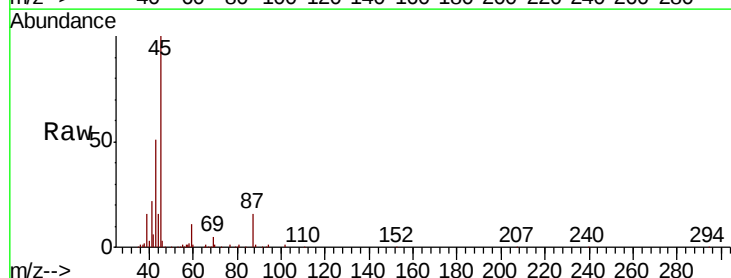
RT: 2.82 min Scan# 222

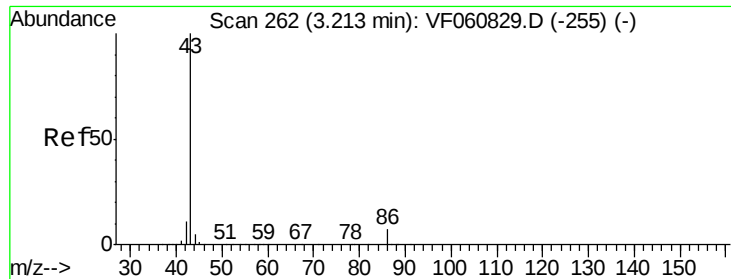
Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion:	45	Resp:	114218
Ion	Ratio	Lower	Upper
45	100		
43	50.7	41.0	61.6
87	16.2	14.6	22.0
59	10.6	7.5	11.3





#23

Vinyl Acetate

Concen: 134.091 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 43 Resp: 272096

Ion Ratio Lower Upper

43 100

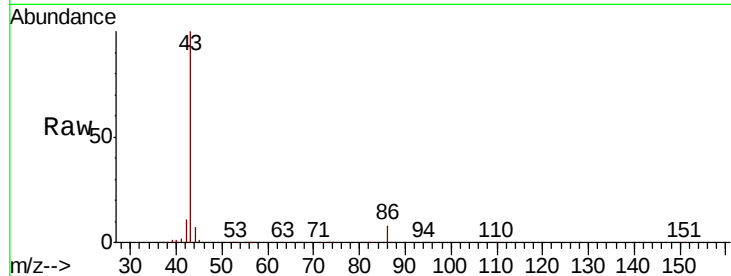
86 8.2 5.4 8.0#

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

120000

100000

80000

60000

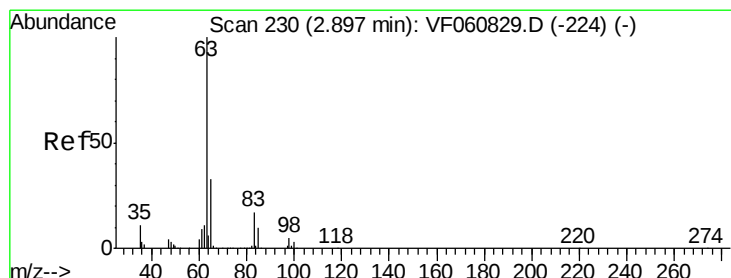
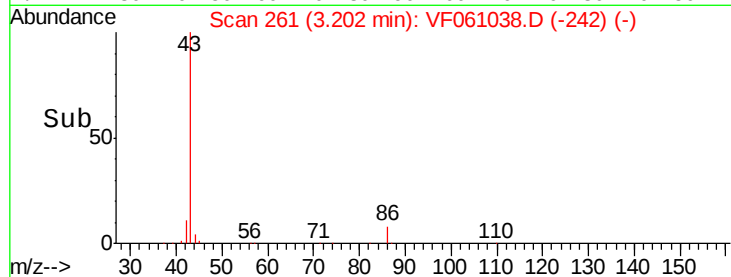
40000

20000

0

3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 25.615 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

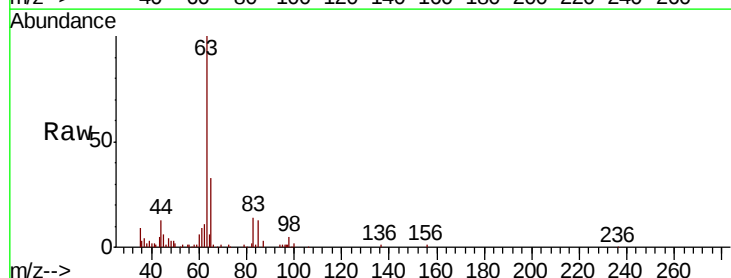
Tgt Ion: 63 Resp: 67654

Ion Ratio Lower Upper

63 100

98 4.6 2.7 8.1

100 2.3 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

30000

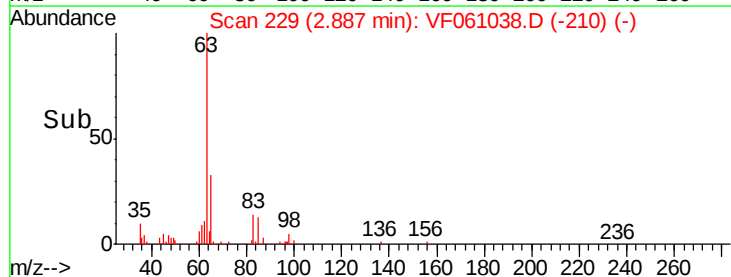
20000

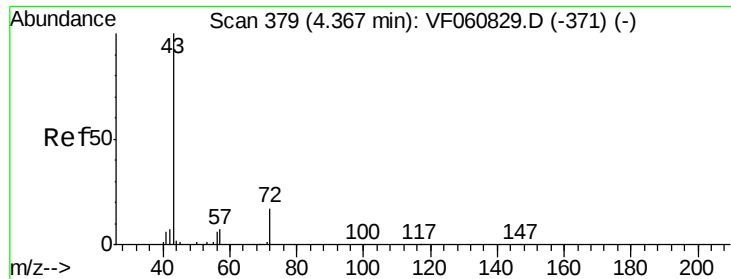
10000

0

2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 127.559 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 43 Resp: 79202

Ion Ratio Lower Upper

43 100

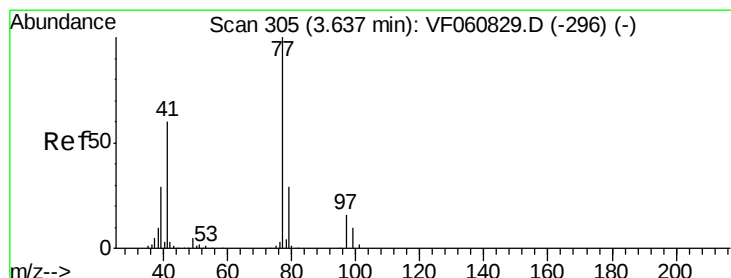
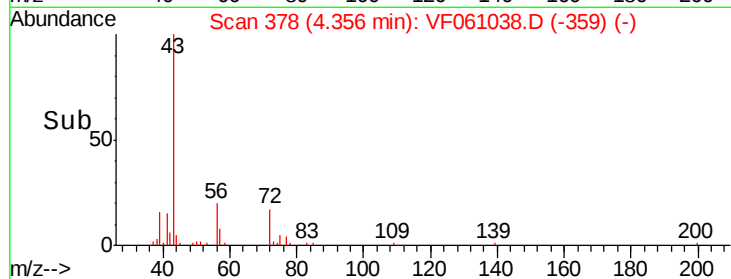
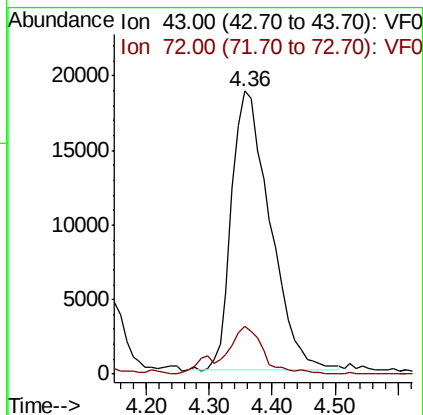
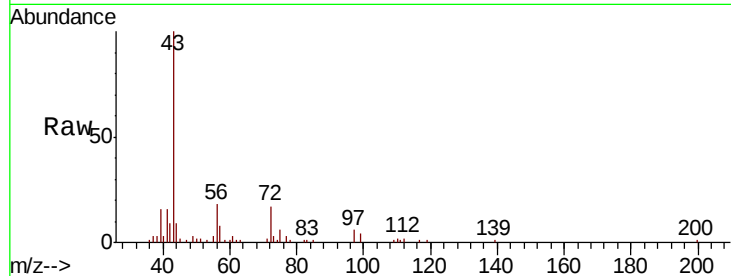
72 16.7 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 25.786 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.03 min

Lab File: VF061038.D

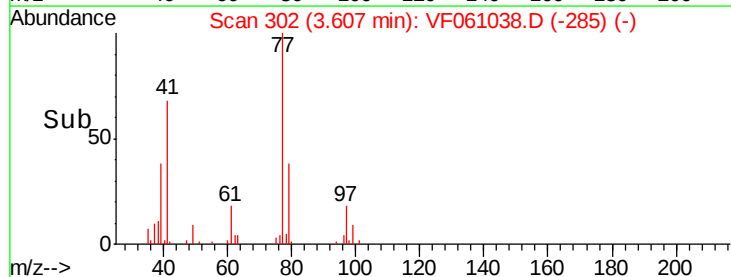
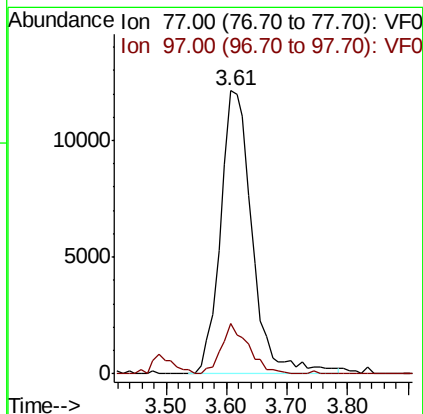
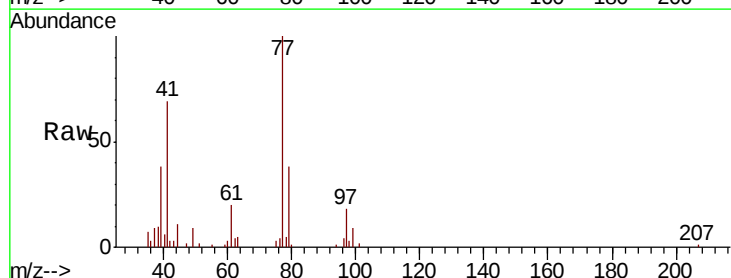
Acq: 17 Dec 2018 13:47

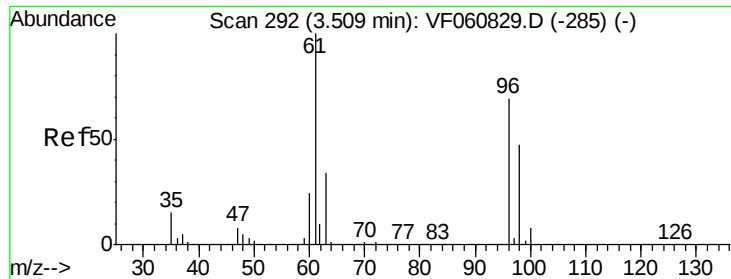
Tgt Ion: 77 Resp: 44153

Ion Ratio Lower Upper

77 100

97 17.8 8.6 25.8





#27

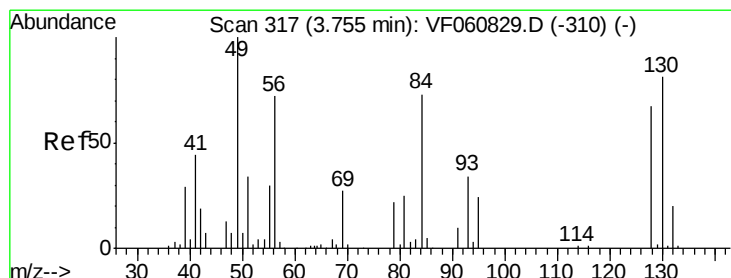
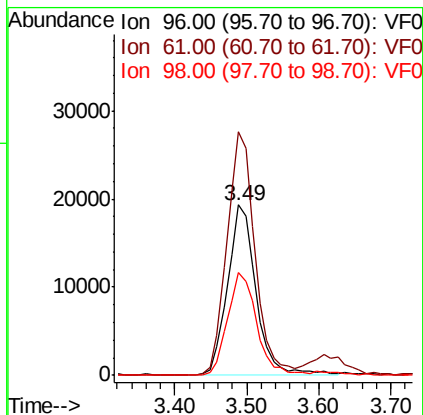
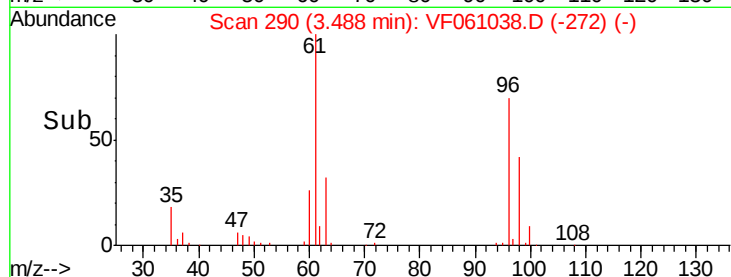
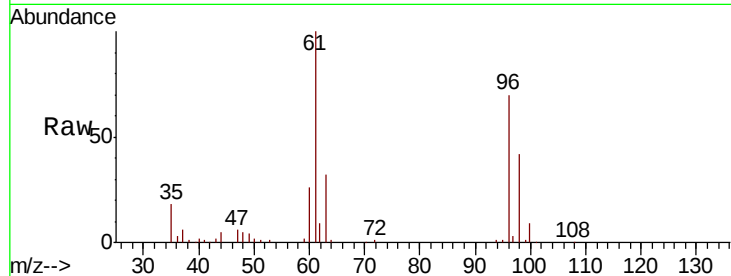
cis-1,2-Dichloroethene
Concen: 26.045 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	290.6
98	60.7	0.0	137.8

Manual Integrations
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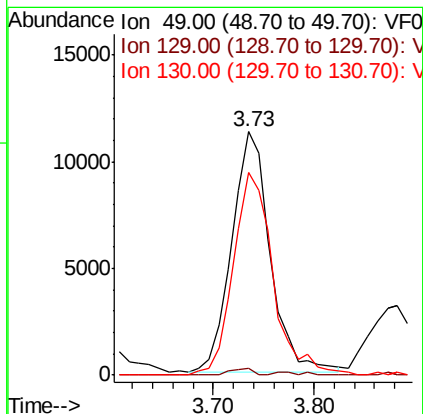
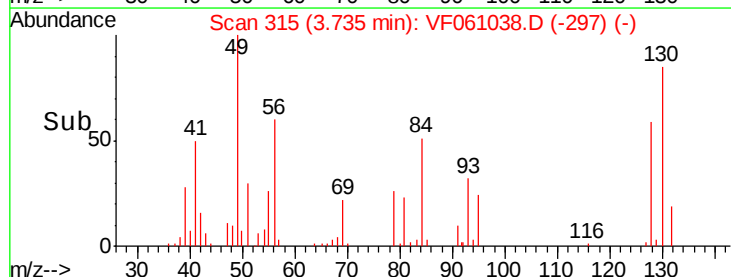
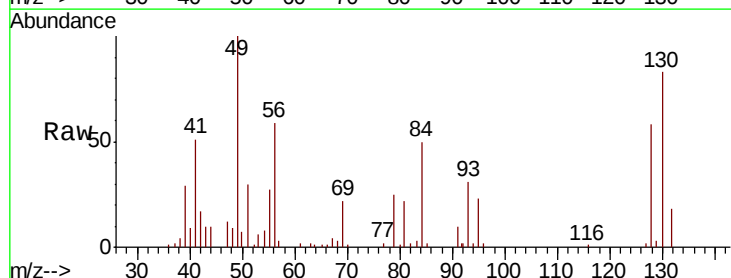
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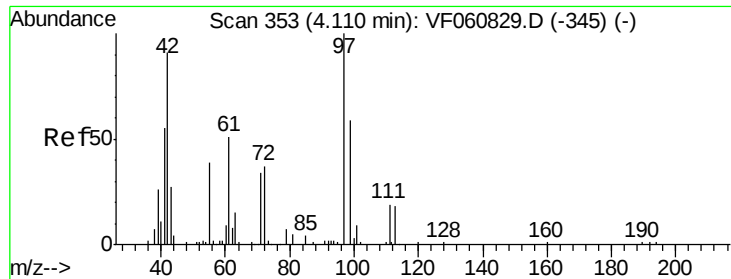


#28

Bromochloromethane
Concen: 23.491 ug/l
RT: 3.73 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.4
130	83.3	64.2	96.4





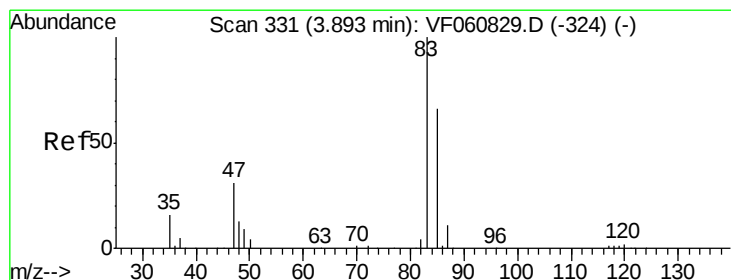
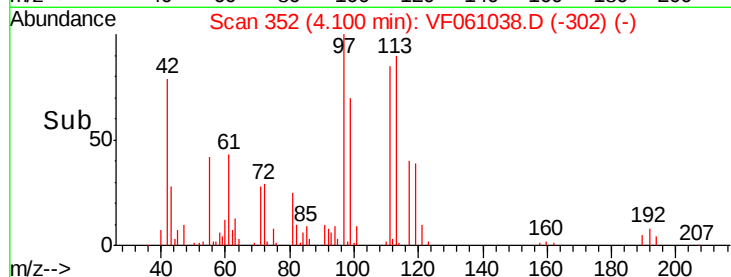
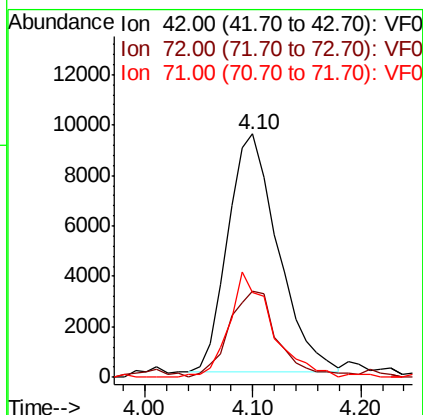
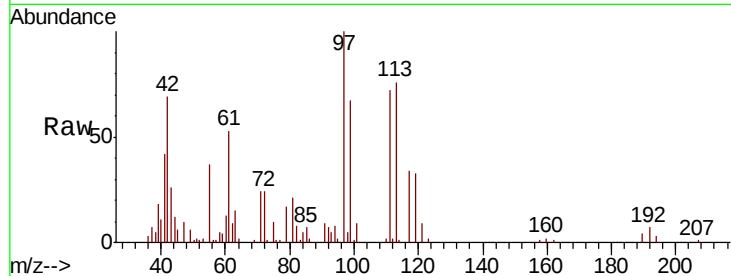
#29
Tetrahydrofuran
Concen: 116.367 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	31.9	47.9
71	37.4	28.7	43.1

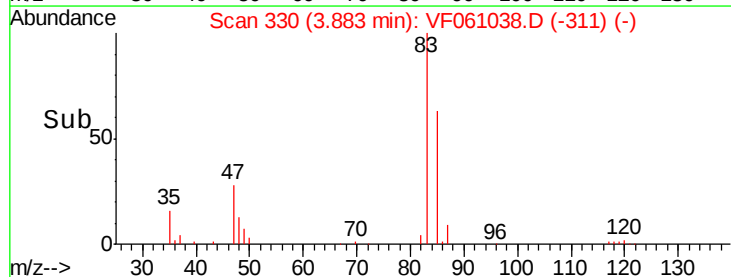
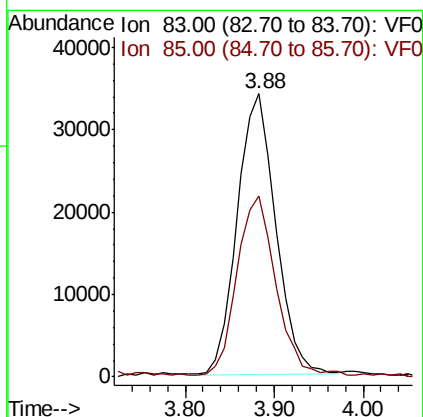
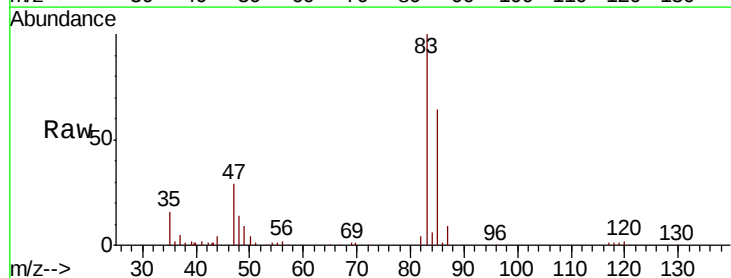
Manual Integrations
APPROVED

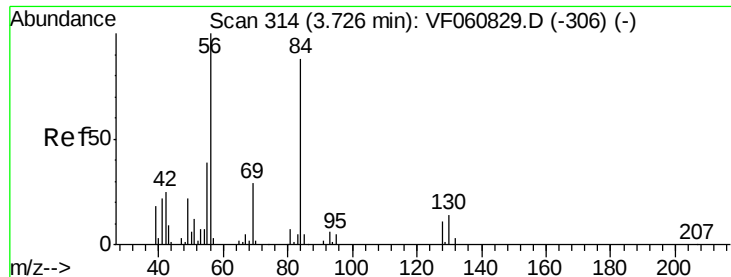
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#30
Chloroform
Concen: 25.361 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.4	80.2





#31

Cyclohexane

Concen: 25.305 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

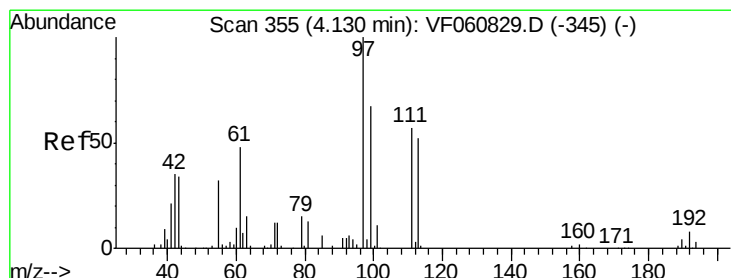
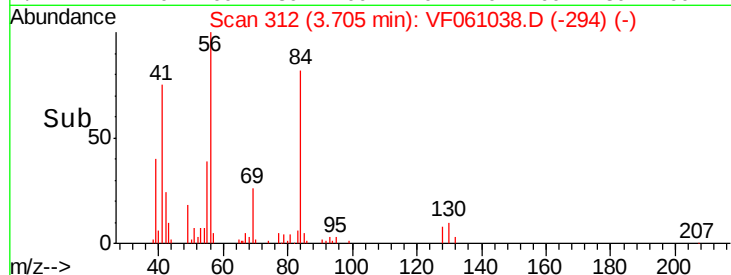
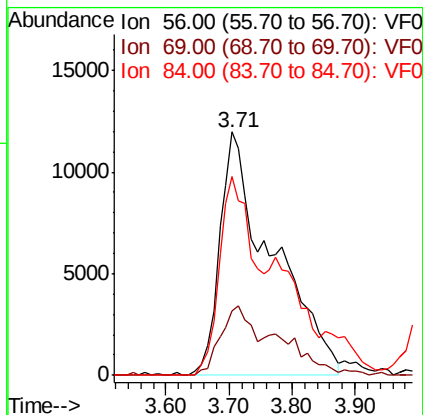
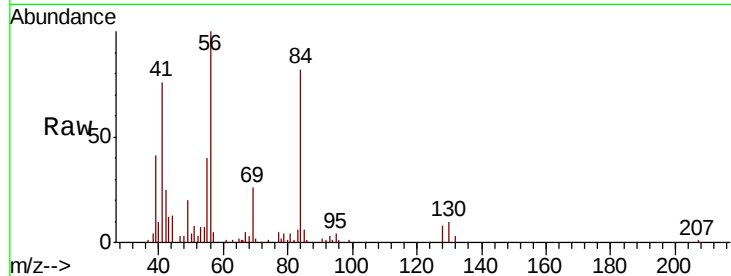
ClientSampleId :

VF1217SBS01

Tot Ion:	56	Resp:	69361
Ion Ratio	Lower	Upper	
56	100		
69	26.4	23.0	34.4
84	81.7	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.175 ug/l

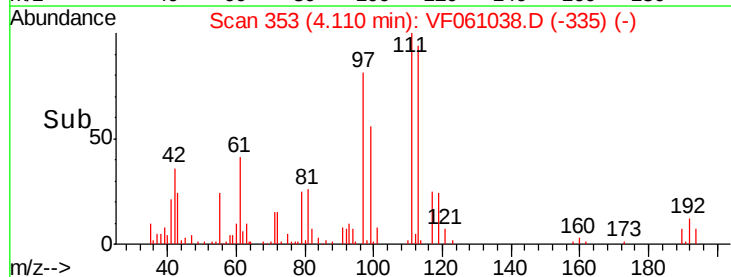
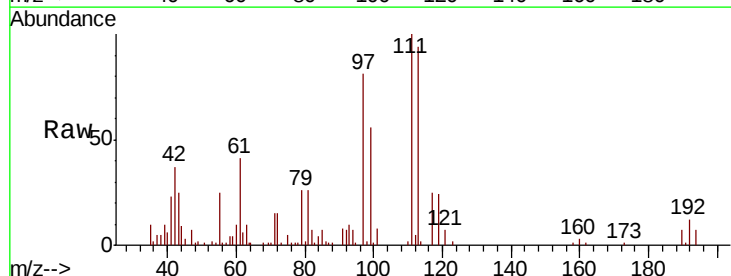
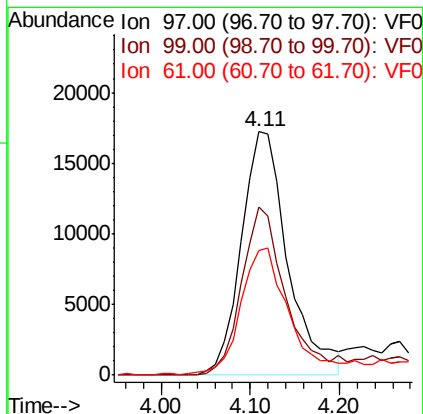
RT: 4.11 min Scan# 353

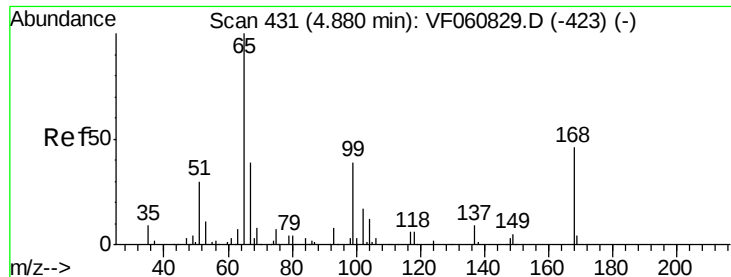
Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion:	97	Resp:	62513
Ion Ratio	Lower	Upper	
97	100		
99	68.9	53.5	80.3
61	51.1	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 62.290 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 65 Resp: 121258

Ion Ratio Lower Upper

65 100

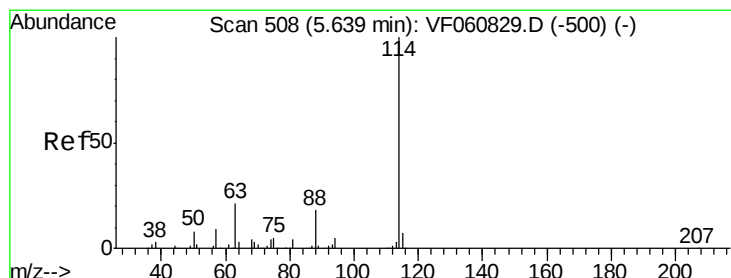
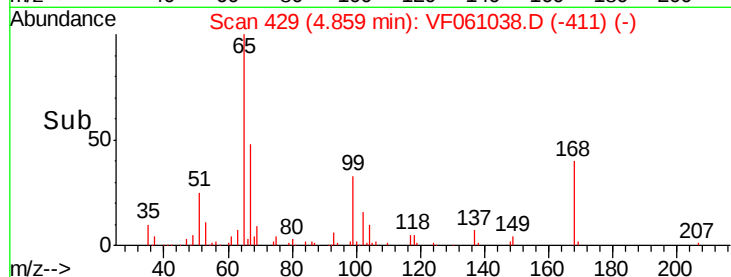
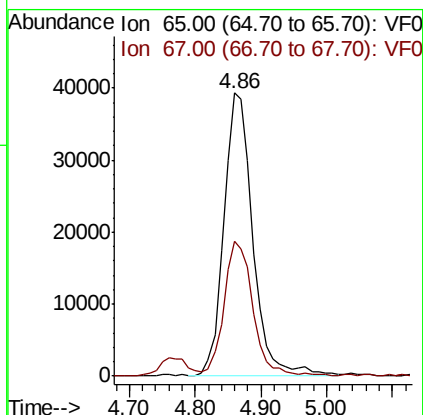
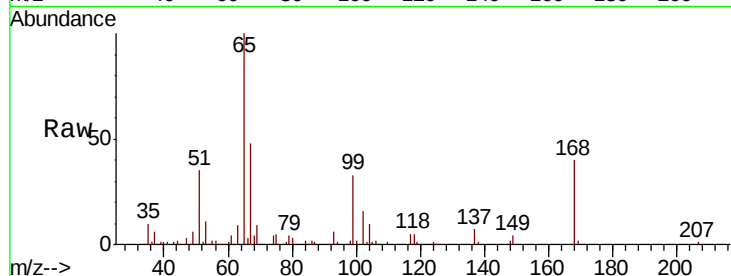
67 47.8 0.0 96.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

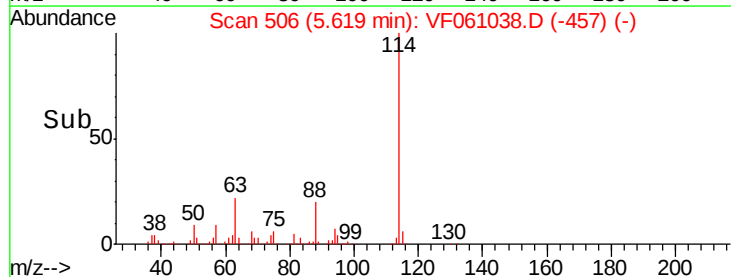
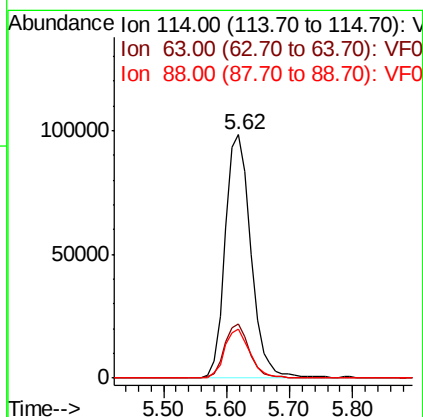
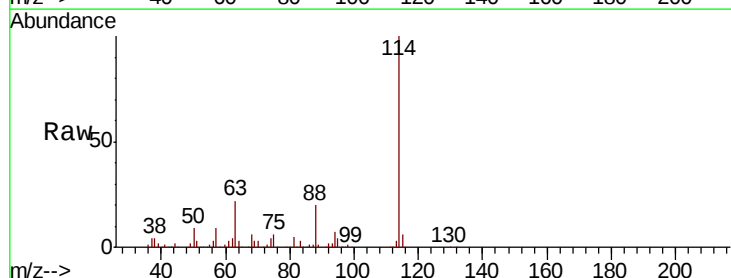
Tgt Ion: 114 Resp: 277748

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.6

88 19.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 59.311 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

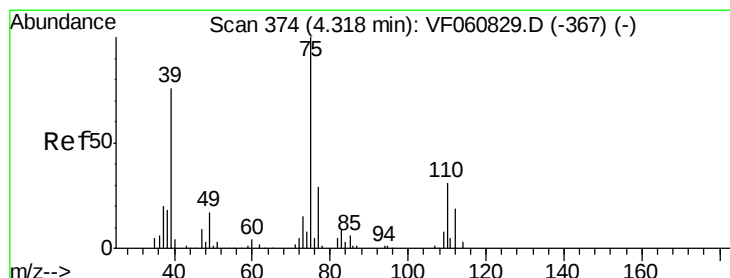
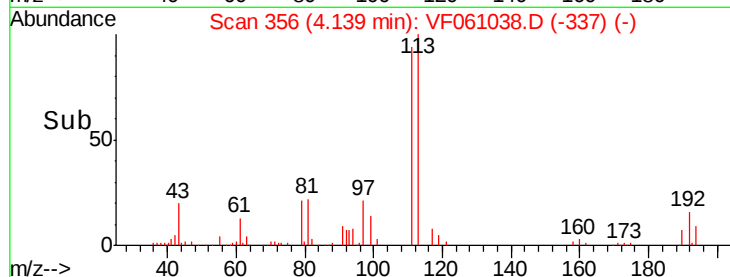
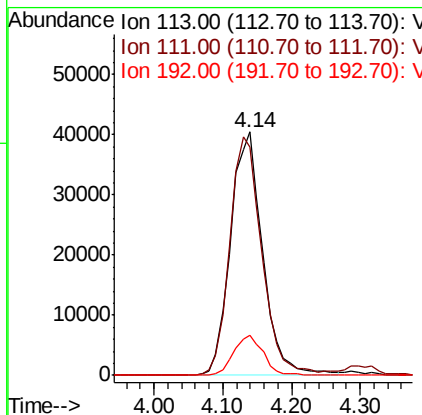
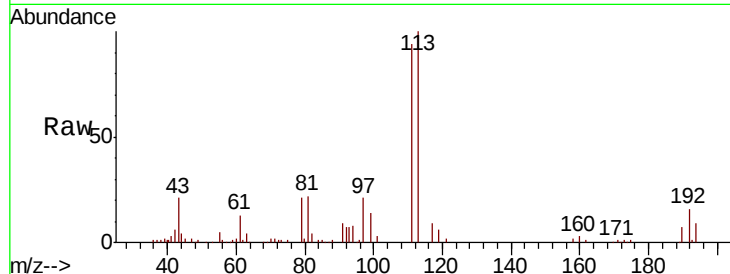
ClientSampleId :

VF1217SBS01

Tot Ion:	113	Resp:	130689
Ion Ratio	Lower	Upper	
113	100		
111	93.9	83.0	124.6
192	16.3	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 24.023 ug/l

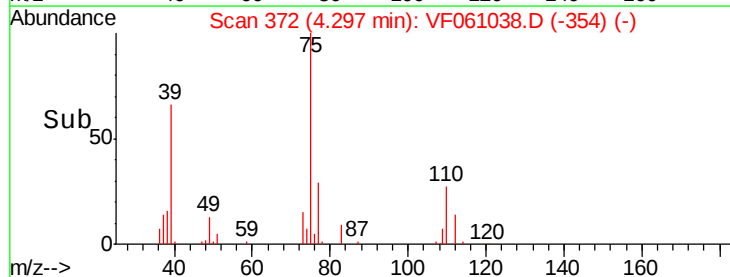
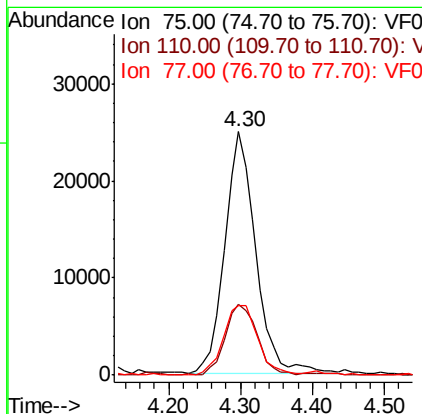
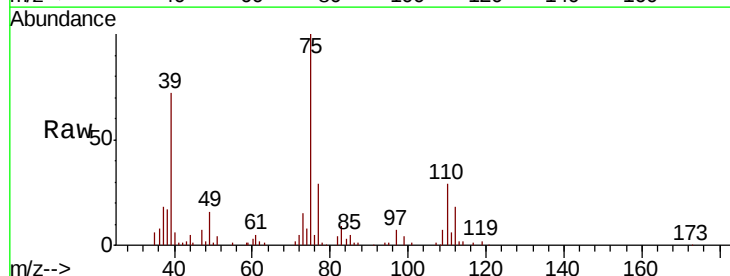
RT: 4.30 min Scan# 372

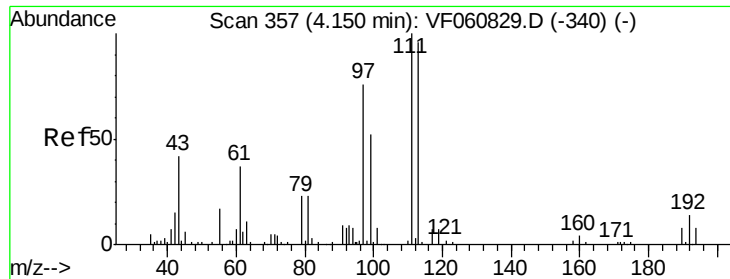
Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion:	75	Resp:	74006
Ion Ratio	Lower	Upper	
75	100		
110	29.1	15.6	46.8
77	28.6	23.4	35.0





#37

Ethyl Acetate

Concen: 22.717 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

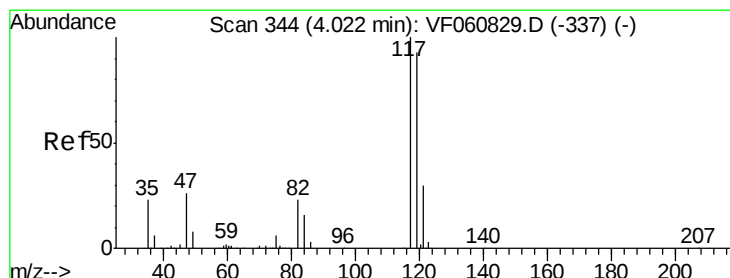
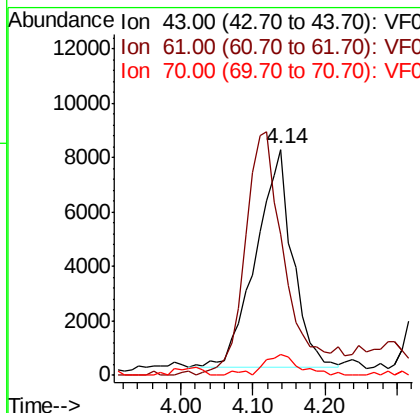
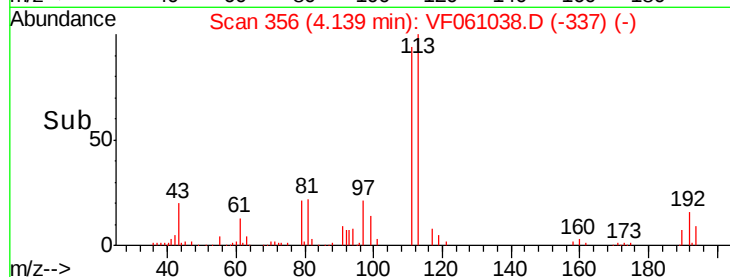
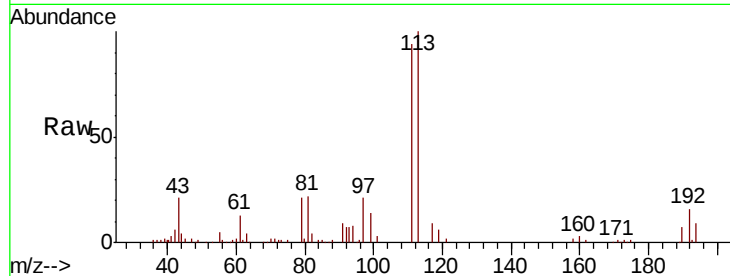
ClientSampleId :

VF1217SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
28440	100	62.5	9.5				
		68.6	9.0				
		103.0	13.4				

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#38

Carbon Tetrachloride

Concen: 22.151 ug/l

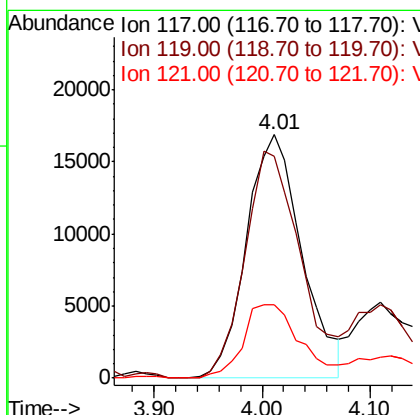
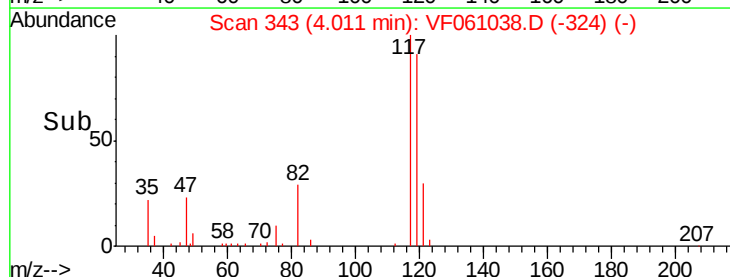
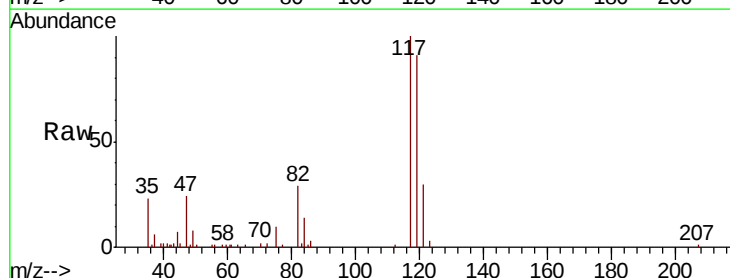
RT: 4.01 min Scan# 343

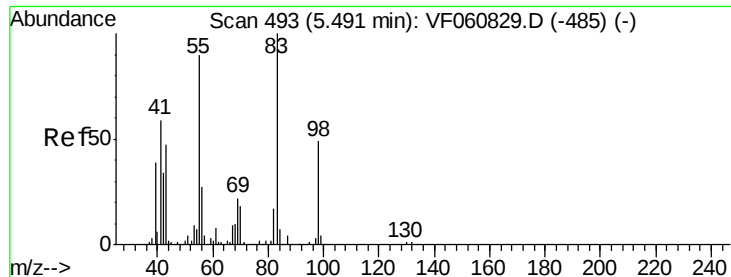
Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
60274	100	91.0	30.0				
		74.4	23.5				
		111.6	35.3				





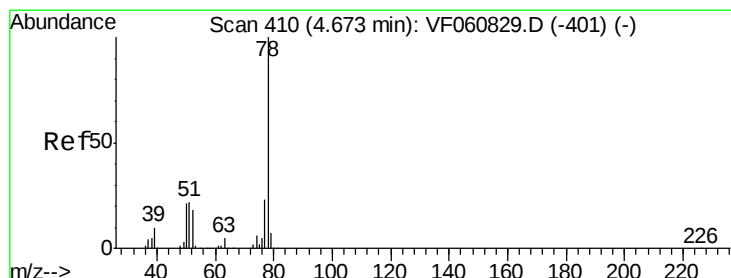
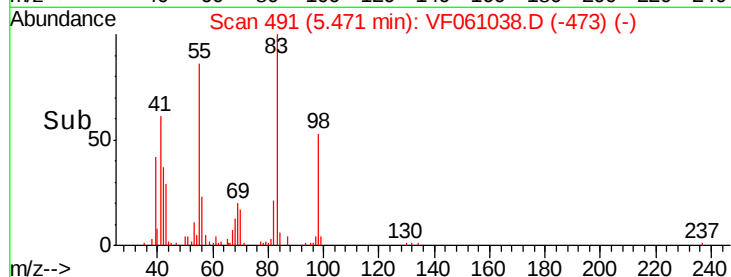
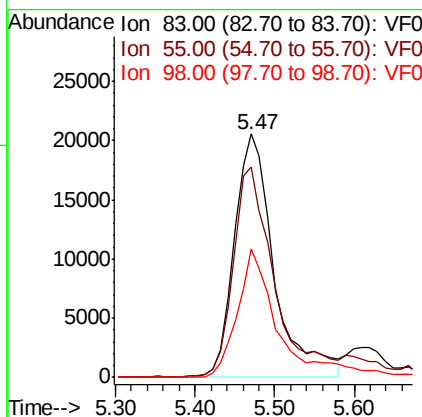
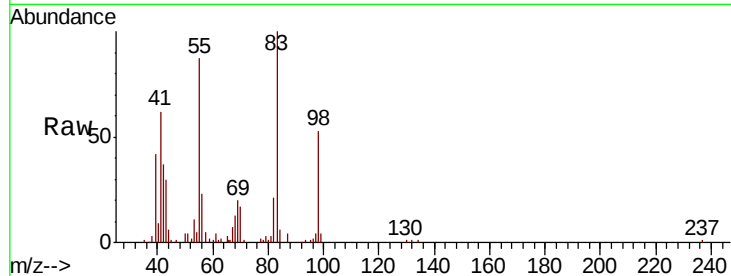
#39
Methvlcvclohexane
Concen: 22.142 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.5	72.1	108.1
98	52.6	39.1	58.7

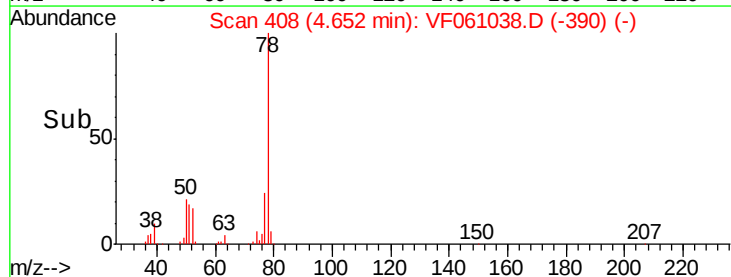
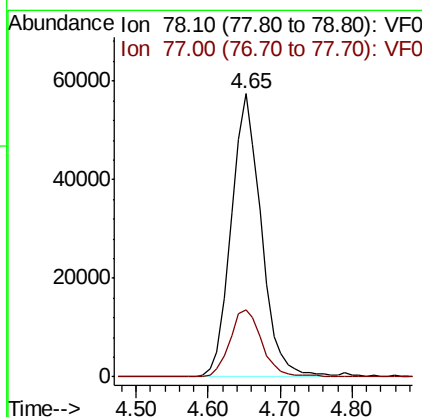
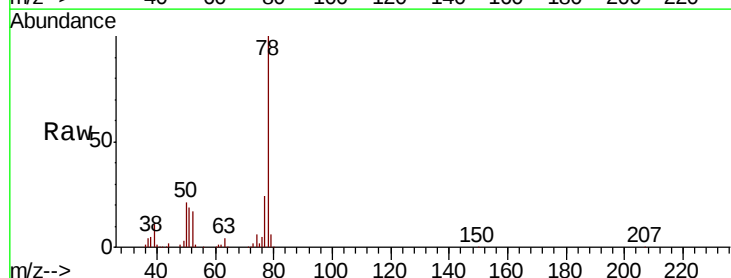
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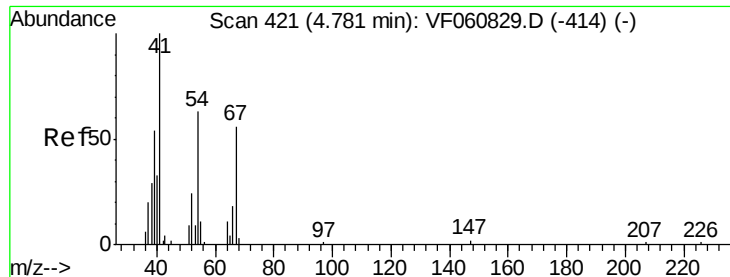
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#40
Benzene
Concen: 24.583 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





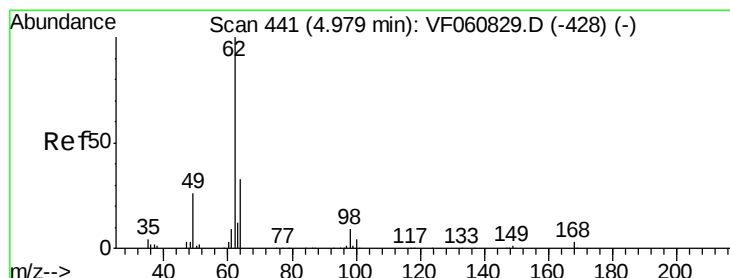
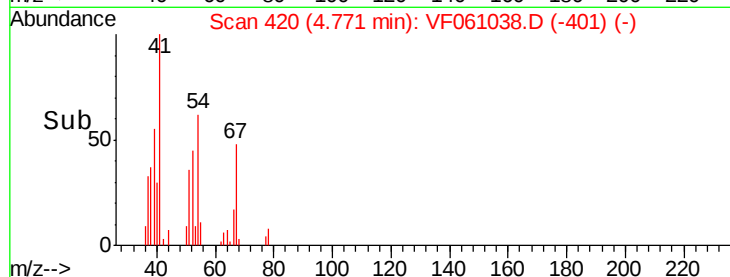
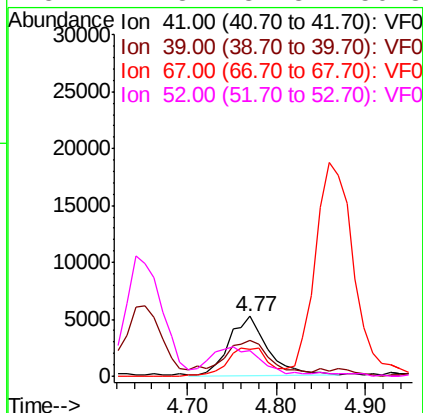
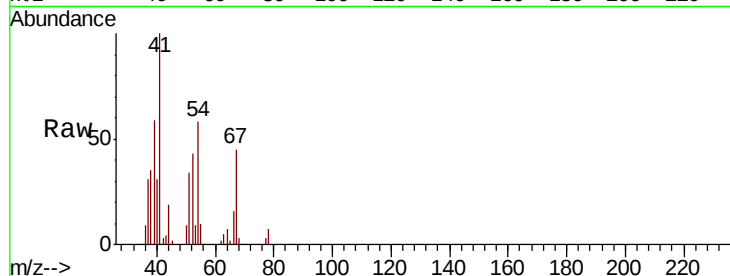
#41
Methacrylonitrile
Concen: 21.689 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.1	53.0	79.6
67	45.0	43.8	65.6
52	42.8	37.8	56.8

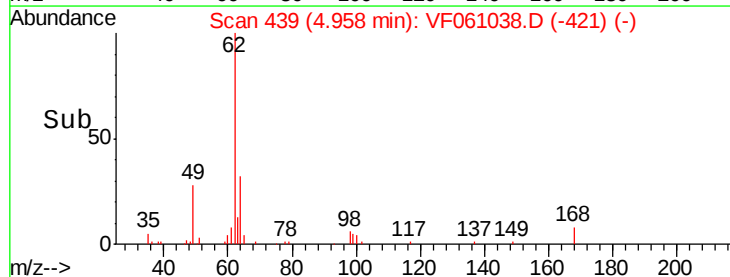
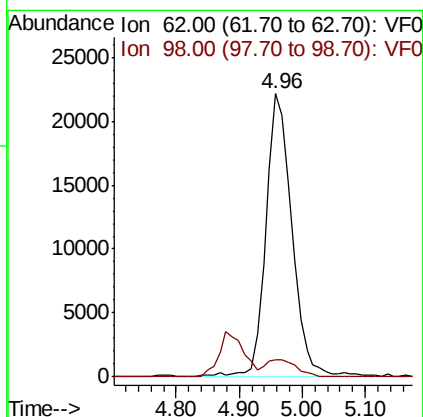
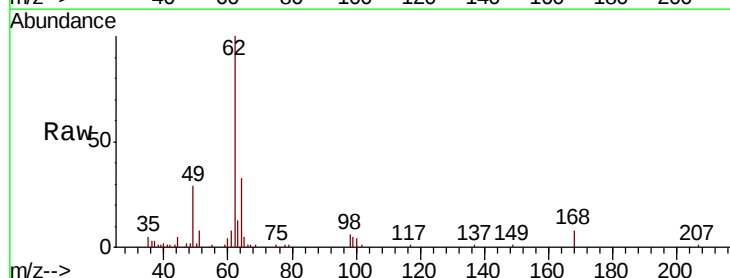
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 25.497 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	17.2





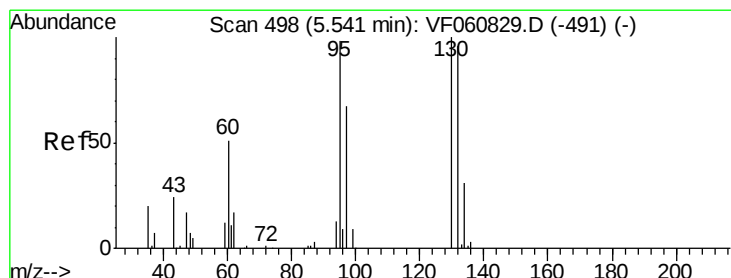
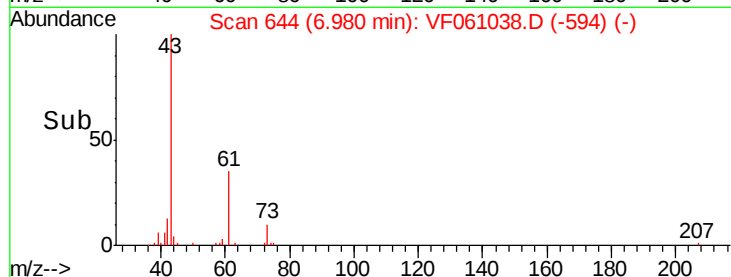
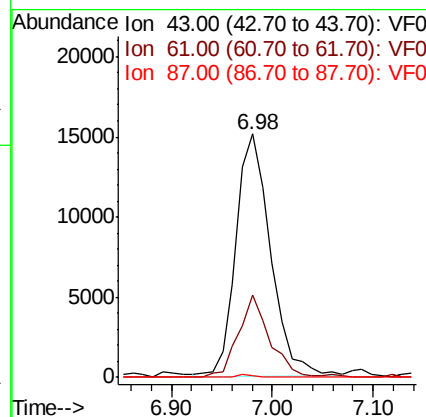
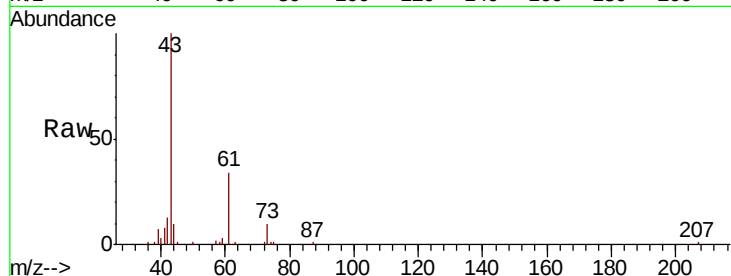
#43
Isopropyl Acetate
Concen: 21.864 ug/l
RT: 6.98 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.9	21.4	32.0#
87	0.7	0.2	0.4#

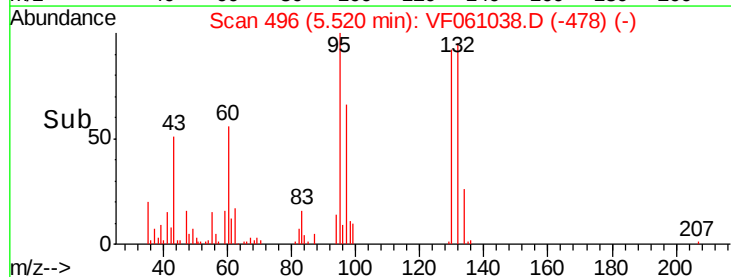
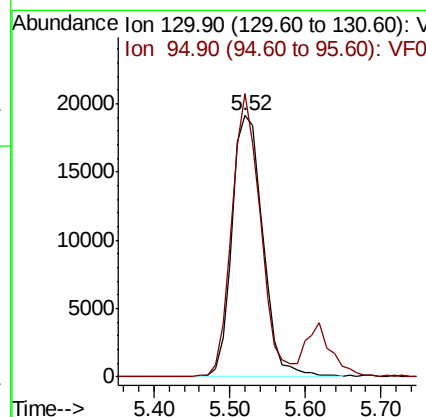
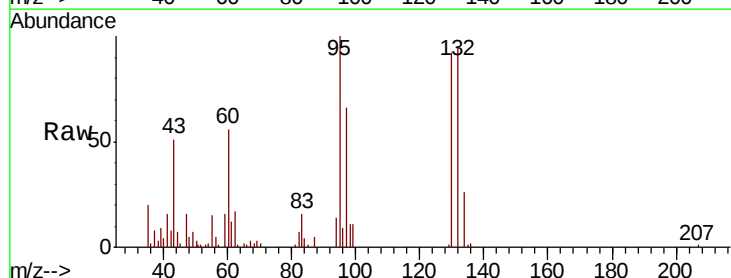
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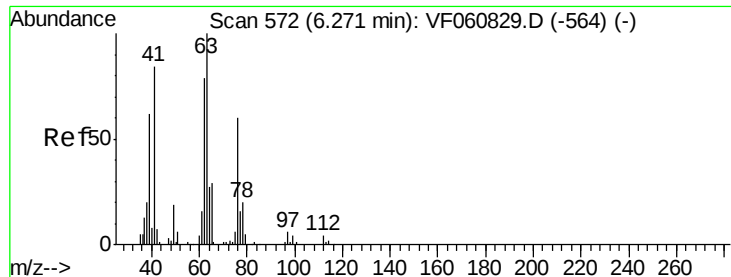
apatel
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#44
Trichloroethene
Concen: 24.237 ug/l
RT: 5.52 min Scan# 496
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.4	0.0	195.6





#45

1,2-Dichloropropane

Concen: 24.793 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 63 Resp: 43824

Ion Ratio Lower Upper

63 100

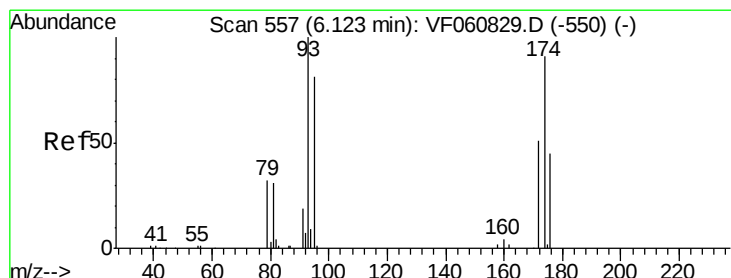
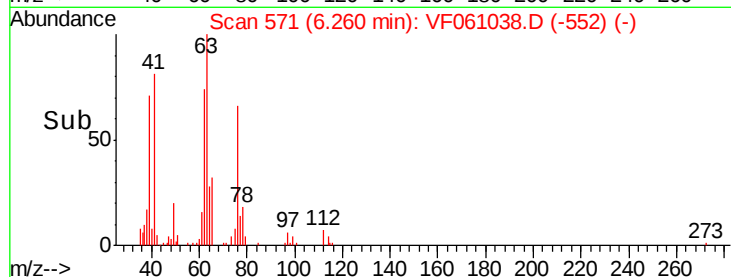
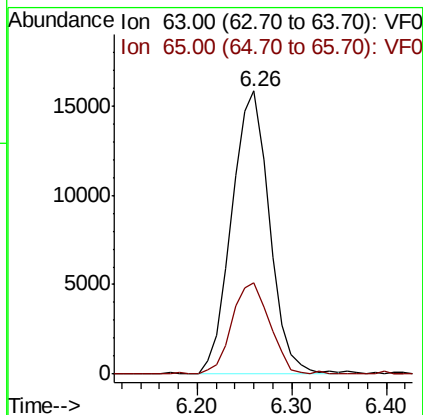
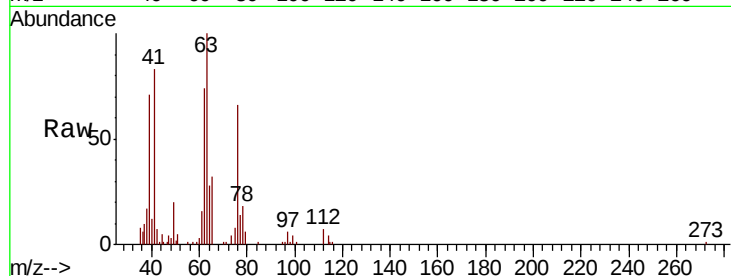
65 32.5 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 23.629 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

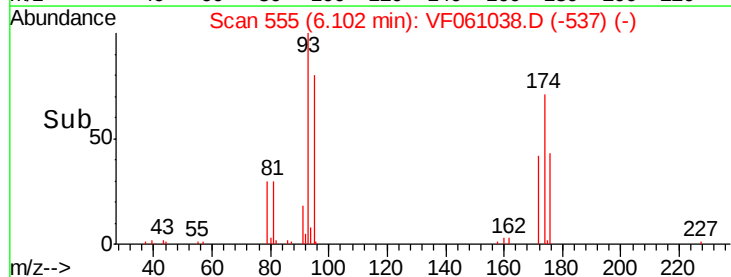
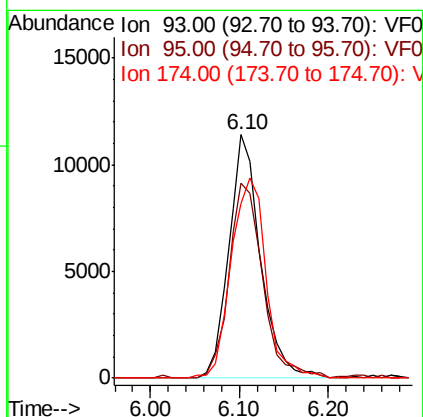
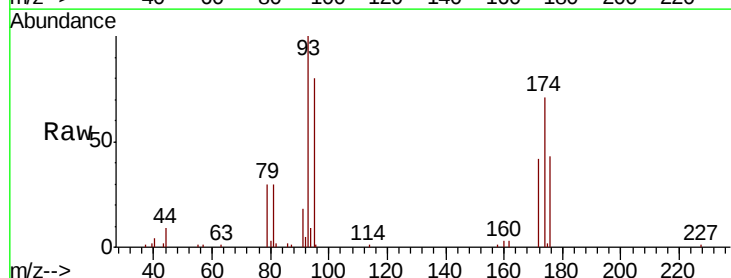
Tgt Ion: 93 Resp: 28333

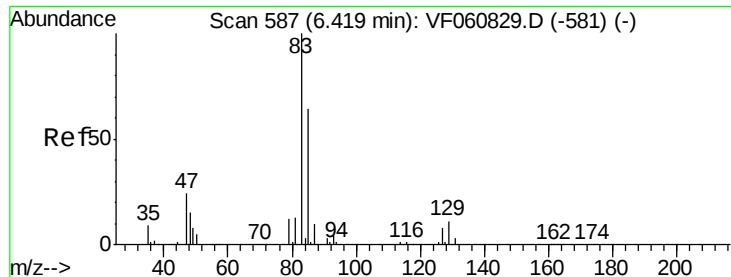
Ion Ratio Lower Upper

93 100

95 81.4 64.7 97.1

174 71.4 73.0 109.6#





#47

Bromodichloromethane

Concen: 24.322 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

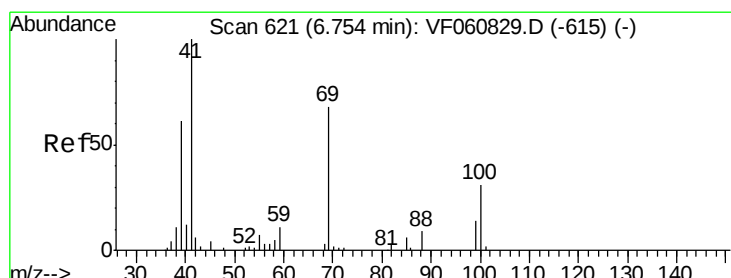
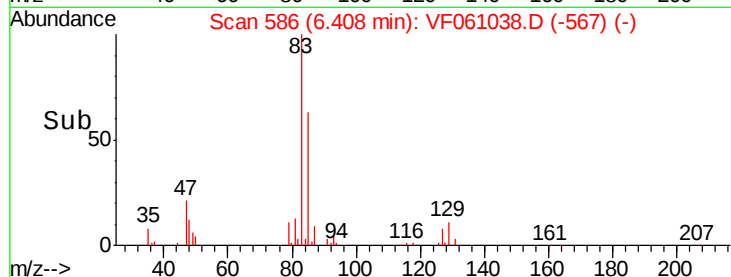
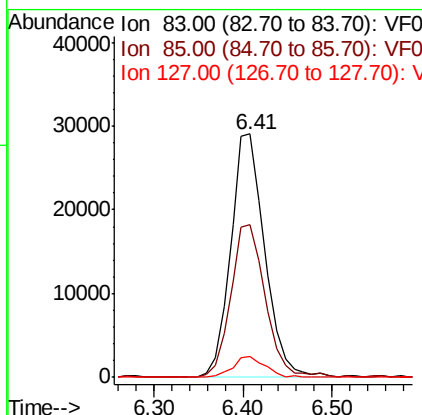
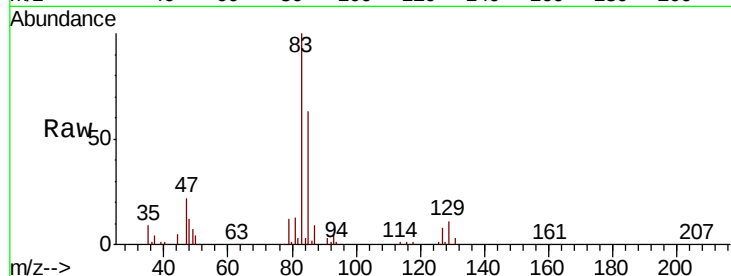
ClientSampleId :

VF1217SBS01

Tot Ion:	83	Resp:	77457
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.1	76.7
127	8.4	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.414 ug/l

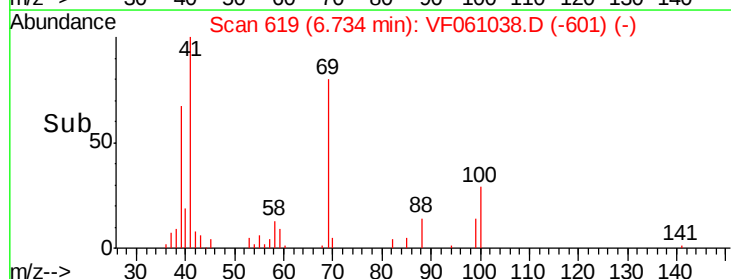
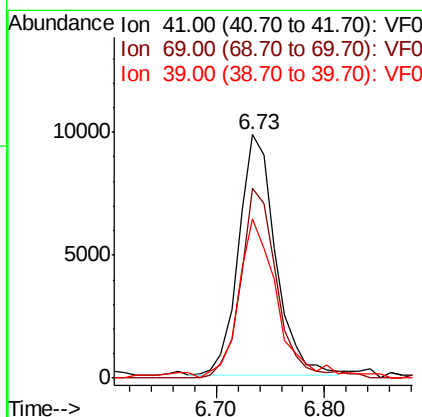
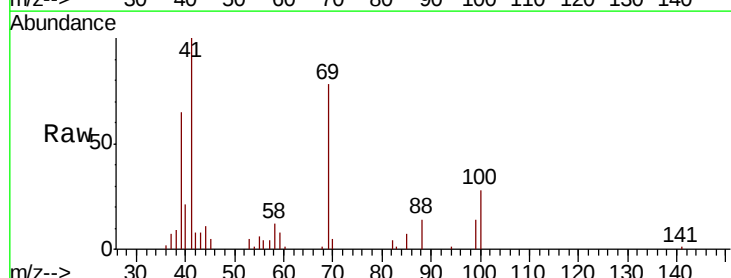
RT: 6.73 min Scan# 619

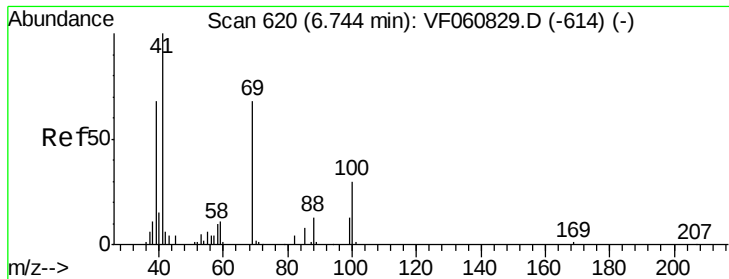
Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion:	41	Resp:	23133
Ion Ratio	Lower	Upper	
41	100		
69	77.9	53.9	80.9
39	65.5	49.0	73.6





#49

1,4-Dioxane

Concen: 483.269 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

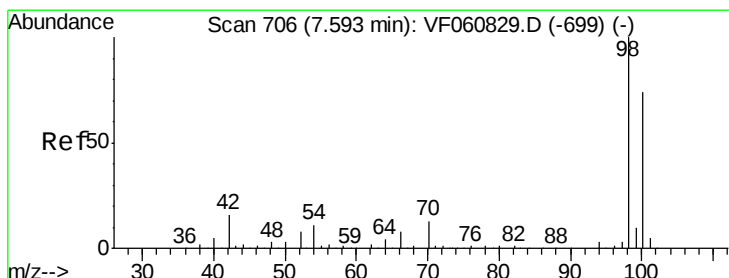
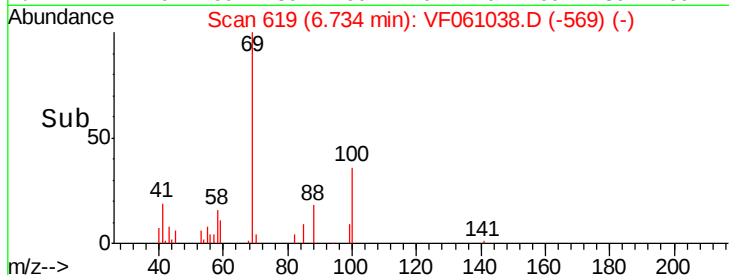
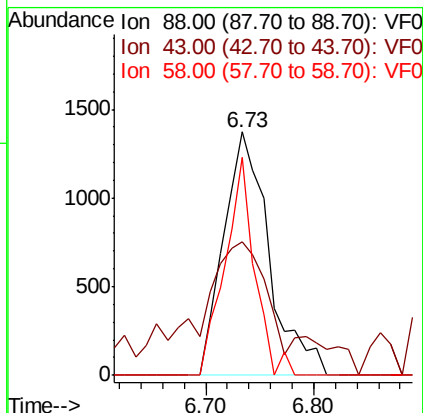
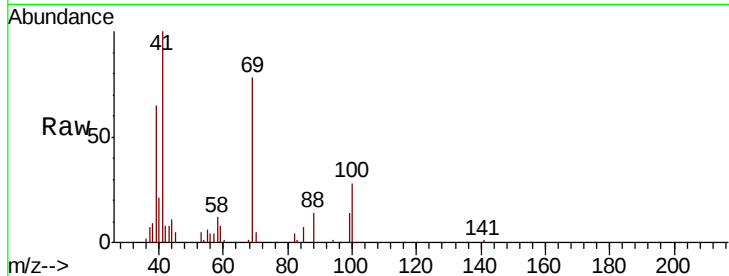
ClientSampleId :

VF1217SBS01

Tot Ion:	88	Resp:	4008
Ion	Ratio	Lower	Upper
88	100		
43	55.0	42.0	63.0
58	89.6	61.8	92.8

Manual Integrations
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#50

Toluene-d8

Concen: 55.735 ug/l

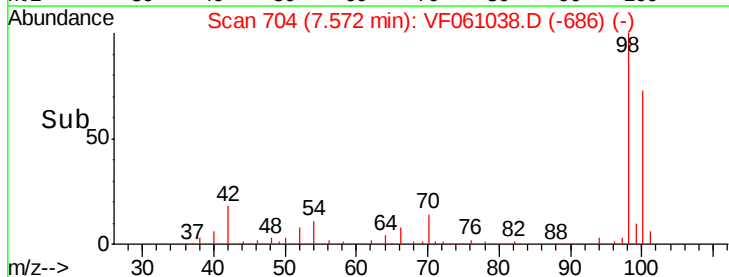
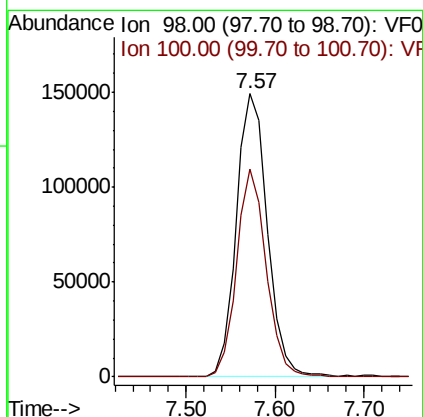
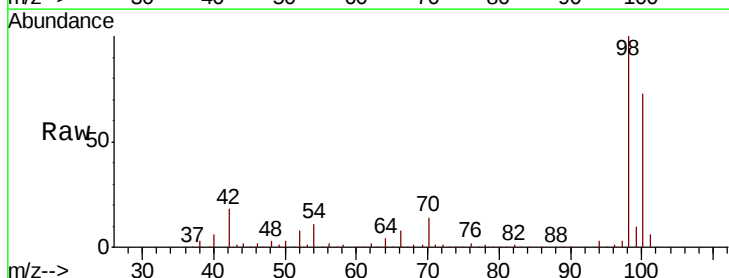
RT: 7.57 min Scan# 704

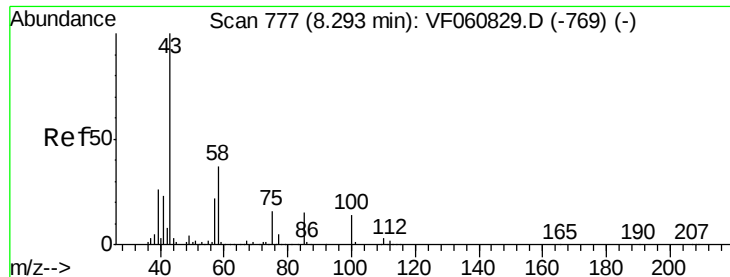
Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion:	98	Resp:	361756
Ion	Ratio	Lower	Upper
98	100		
100	73.2	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 123.604 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 43 Resp: 142696

Ion Ratio Lower Upper

43 100

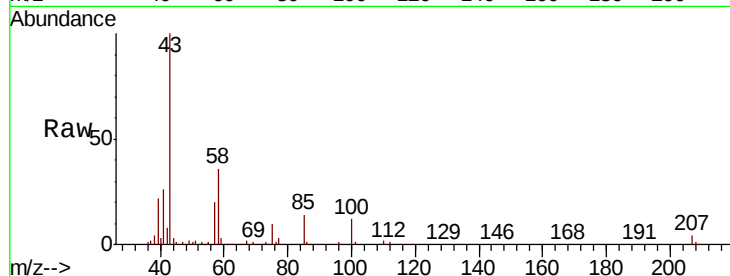
58 35.8 29.7 44.5

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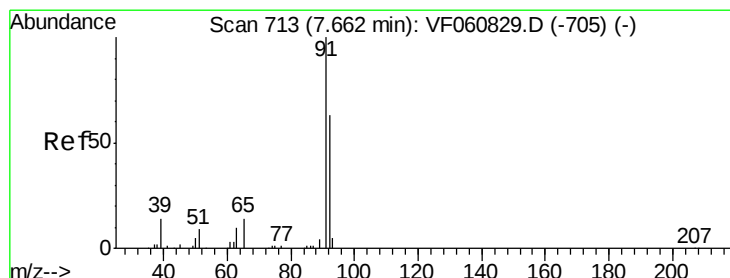
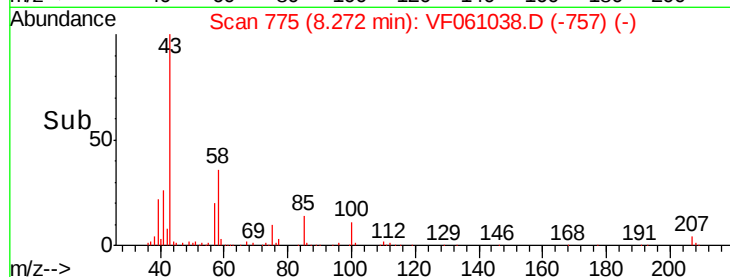
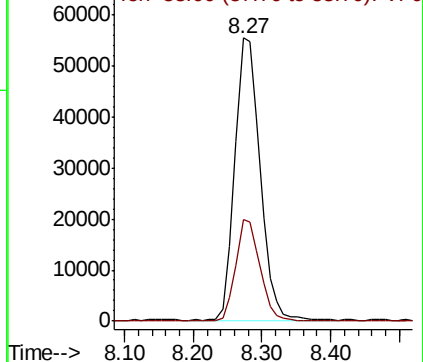
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.813 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF061038.D

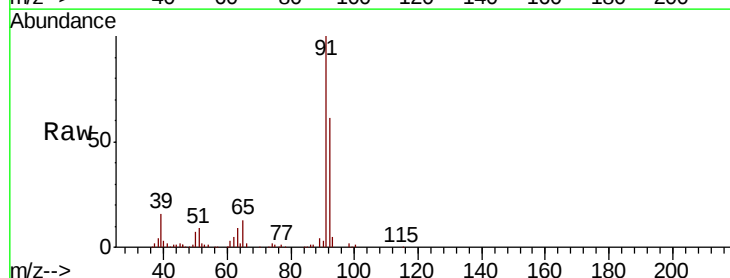
Acq: 17 Dec 2018 13:47

Tgt Ion: 92 Resp: 109059

Ion Ratio Lower Upper

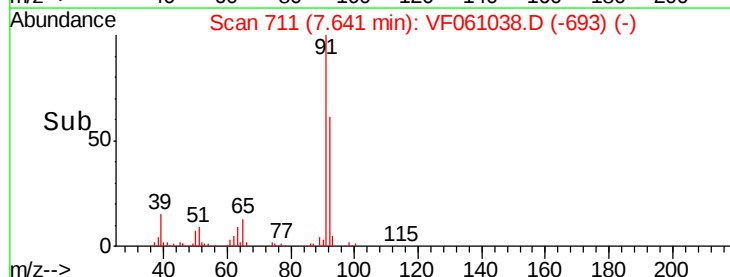
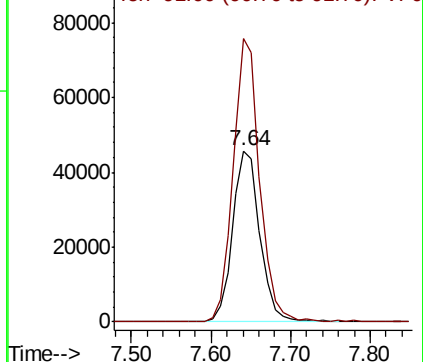
92 100

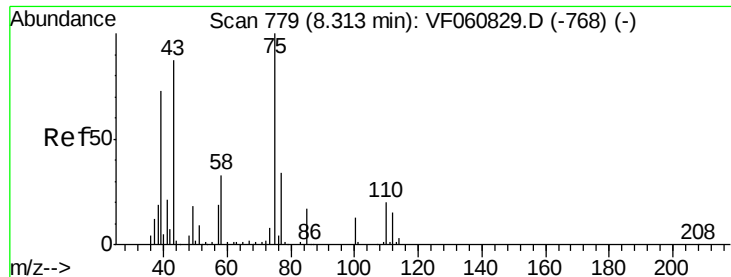
91 165.2 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





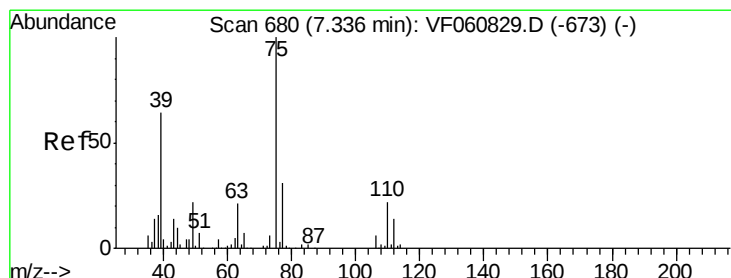
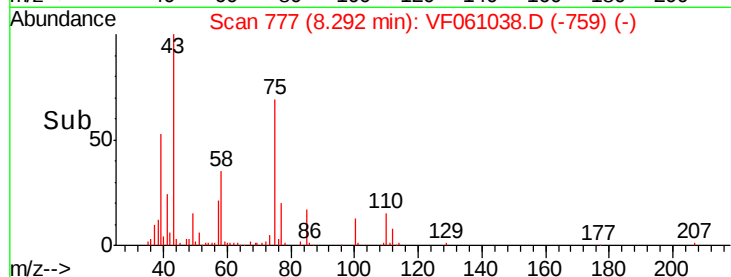
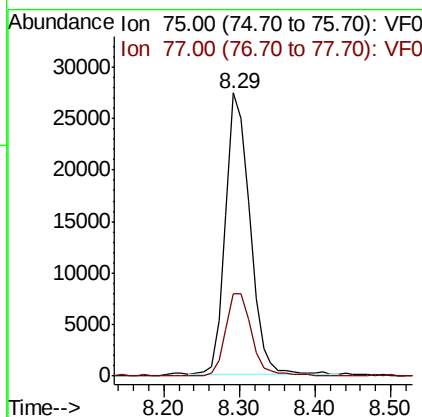
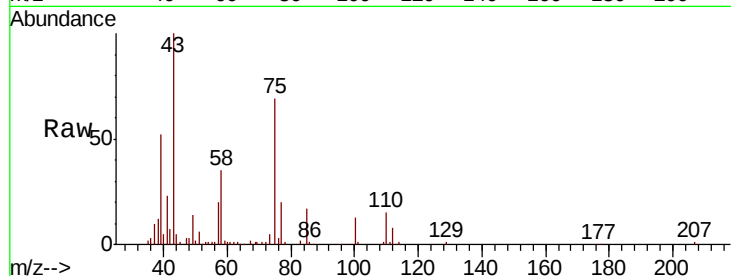
#53
 t-1,3-Dichloropropene
 Concen: 23.649 ug/l
 RT: 8.29 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.0	27.4	41.2

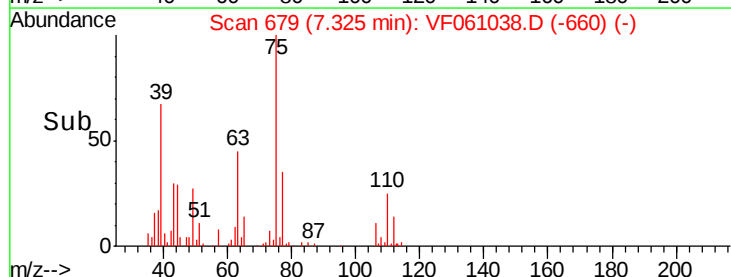
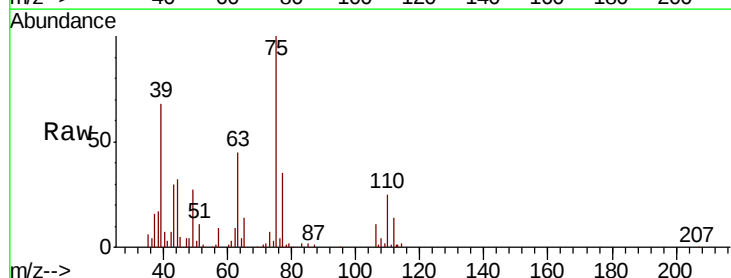
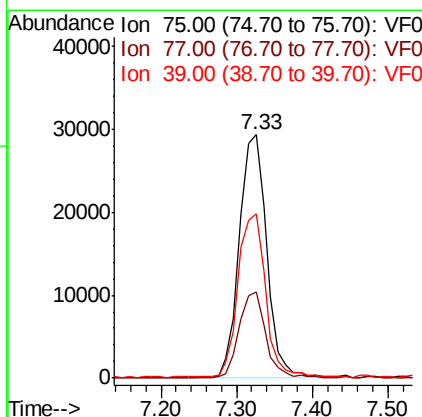
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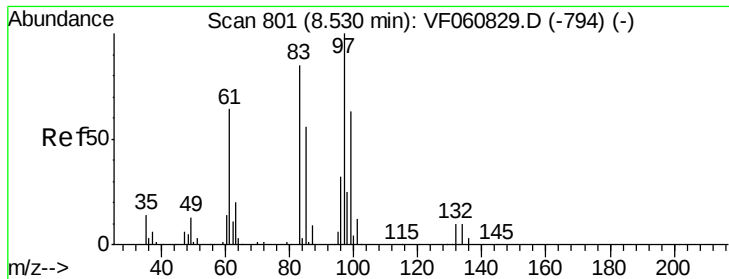
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 23.167 ug/l
 RT: 7.33 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.0	37.6
39	67.6	51.1	76.7





#55

1,1,2-Trichloroethane

Concen: 23.232 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

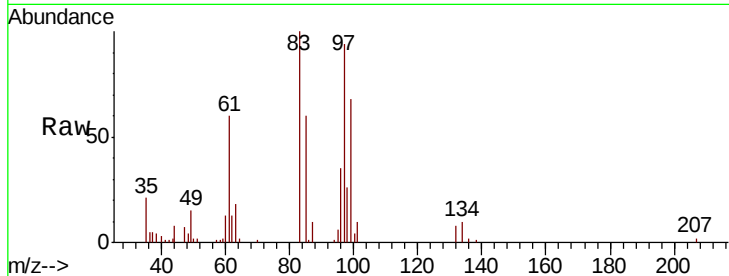
ClientSampleId :

VF1217SBS01

Tot Ion:	97	Resp:	32362
Ion	Ratio	Lower	Upper
97	100		
83	106.6	67.8	101.6#
85	63.5	45.0	67.6
99	72.7	50.5	75.7

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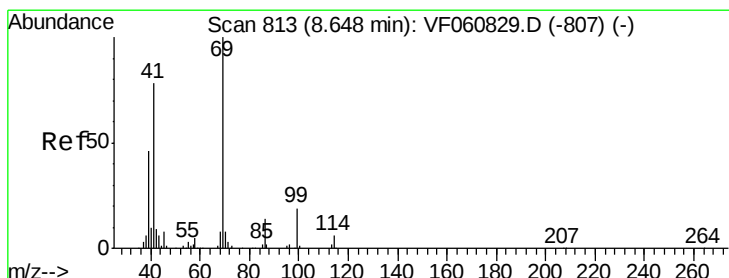
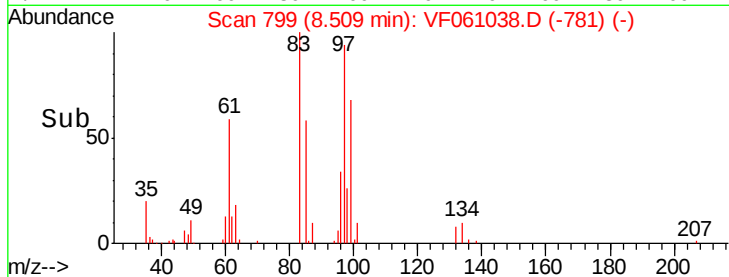
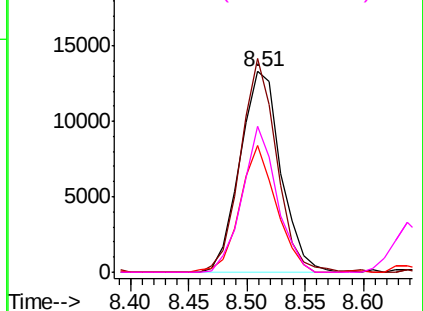


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.835 ug/l

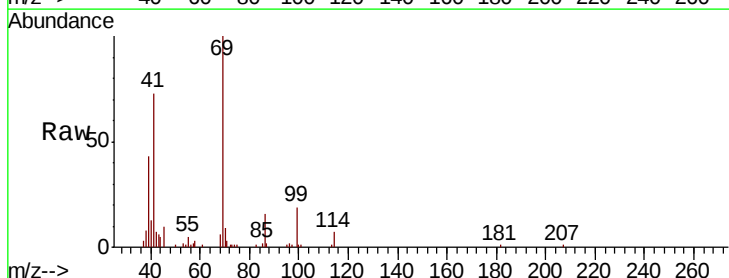
RT: 8.64 min Scan# 812

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

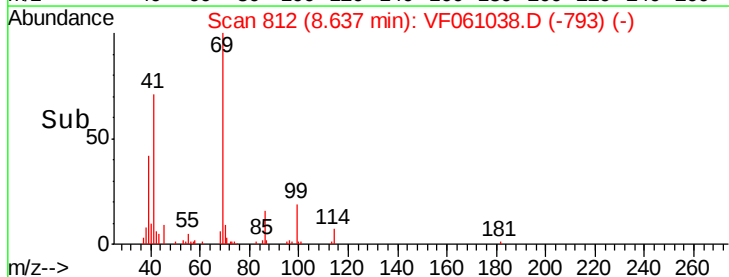
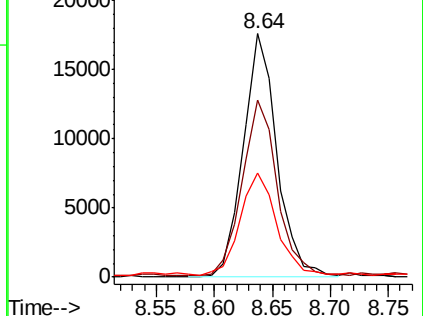
Tgt Ion:	69	Resp:	35336
Ion	Ratio	Lower	Upper
69	100		
41	72.5	62.6	94.0
39	43.0	37.8	56.6

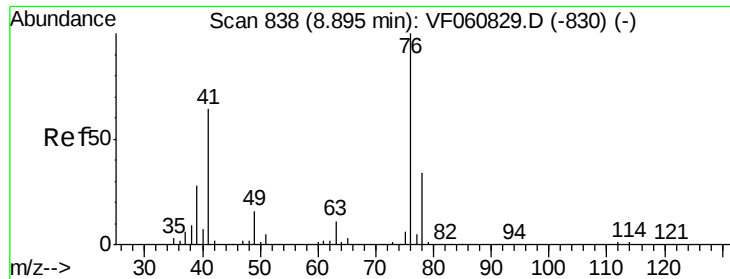


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 25.063 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 76 Resp: 61081

Ion Ratio Lower Upper

76 100

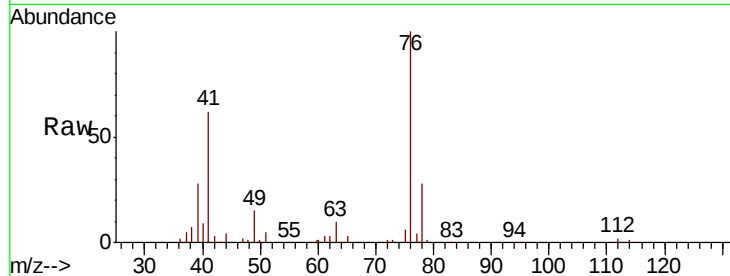
78 28.3 27.0 40.4

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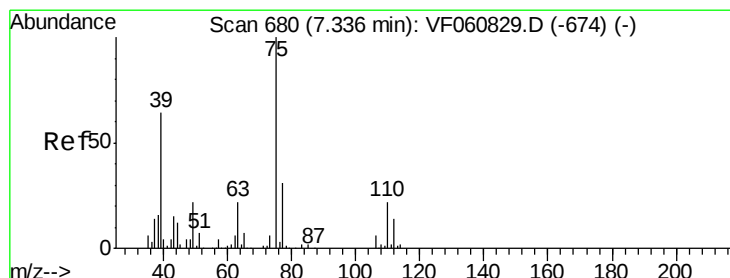
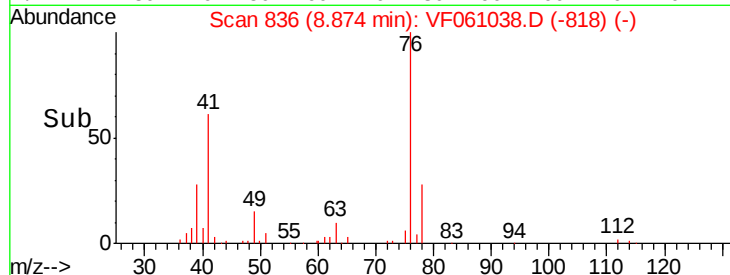
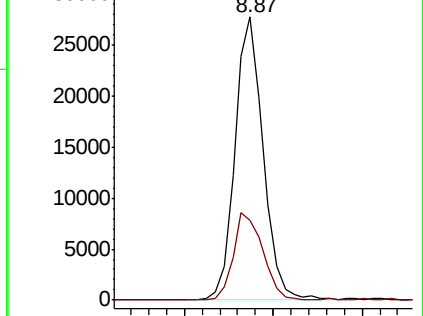
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 221.601 ug/l

RT: 7.33 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF061038.D

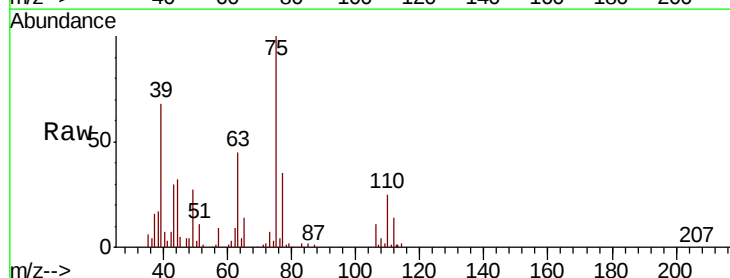
Acq: 17 Dec 2018 13:47

Tgt Ion: 63 Resp: 35075

Ion Ratio Lower Upper

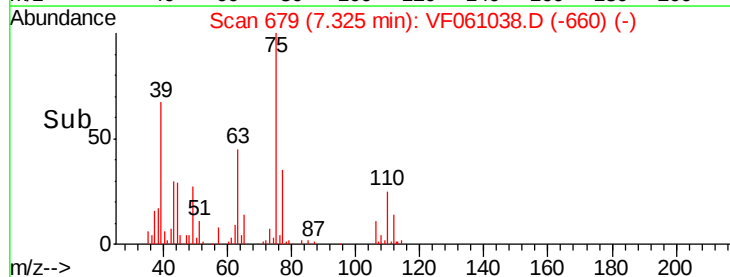
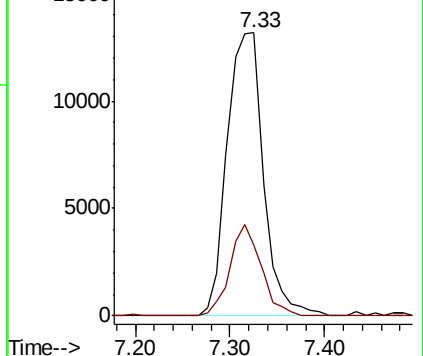
63 100

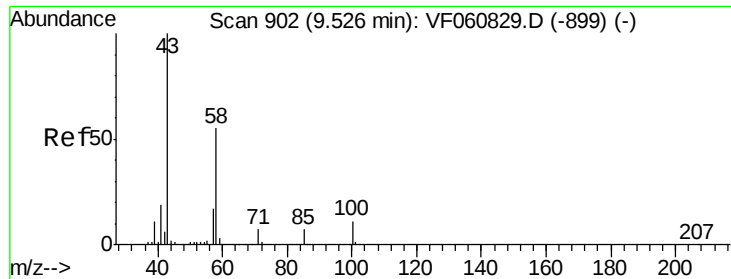
106 25.2 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





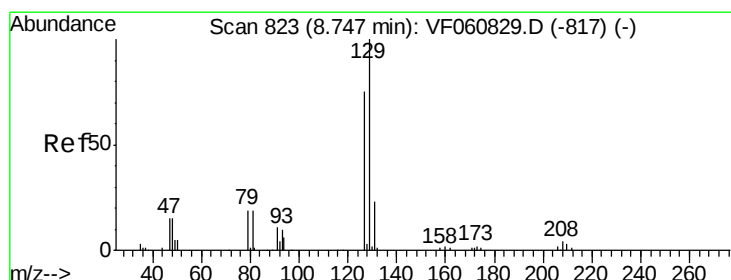
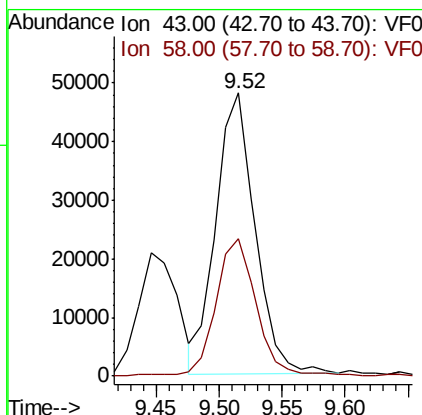
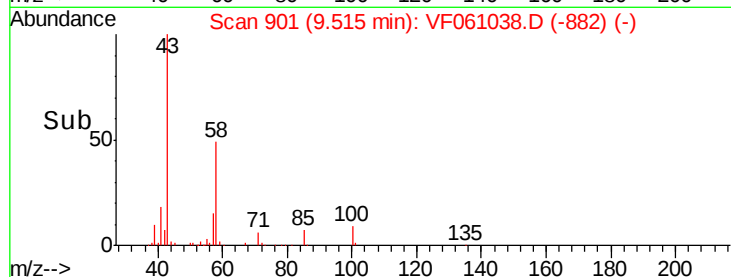
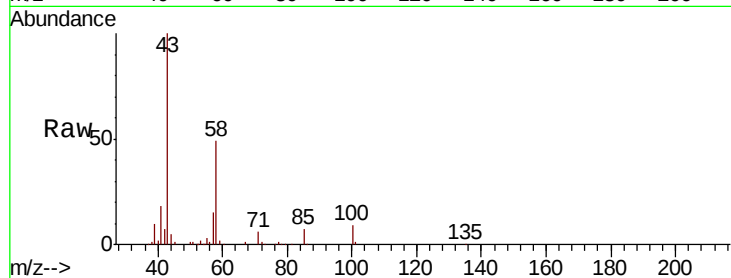
#59
2-Hexanone
Concen: 127.708 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion: 43 Resp: 103434
Ion Ratio Lower Upper
43 100
58 48.8 25.6 76.6

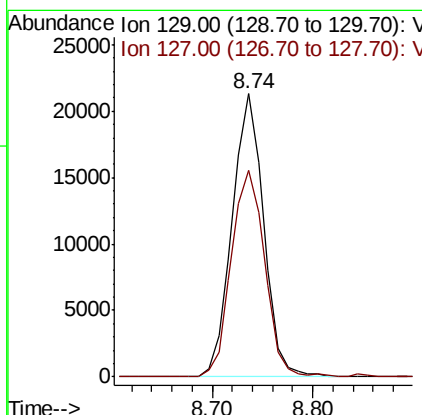
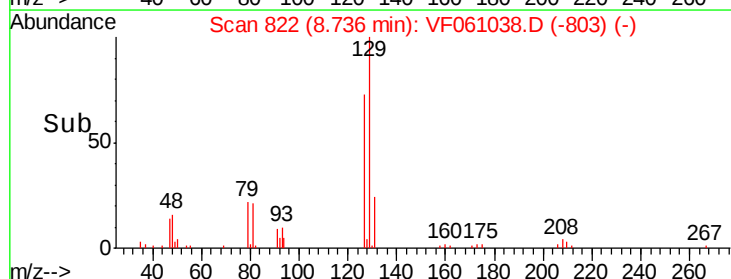
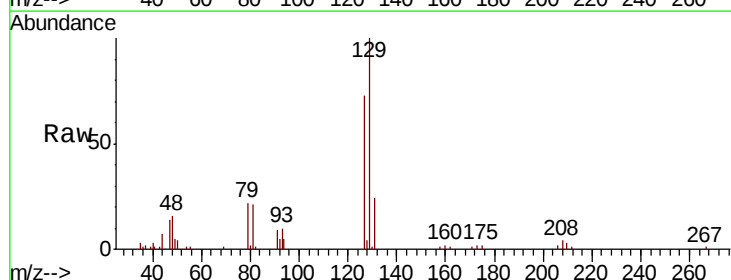
Manual Integrations
APPROVED

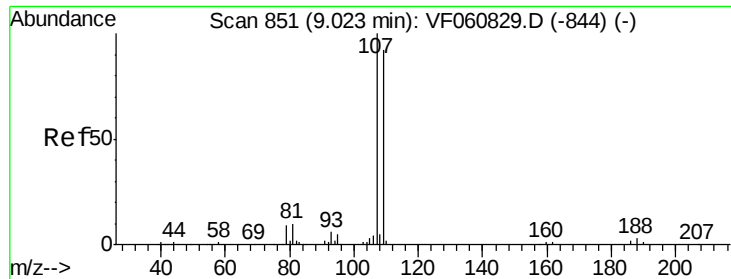
apatel
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#60
Dibromochloromethane
Concen: 22.378 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion: 129 Resp: 46445
Ion Ratio Lower Upper
129 100
127 72.9 37.3 111.9





#61

1,2-Dibromoethane

Concen: 22.616 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:107 Resp: 34033

Ion Ratio Lower Upper

107 100

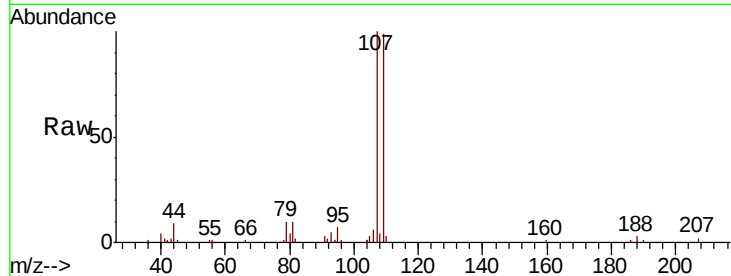
109 99.5 73.6 110.4

Manual Integrations

APPROVED

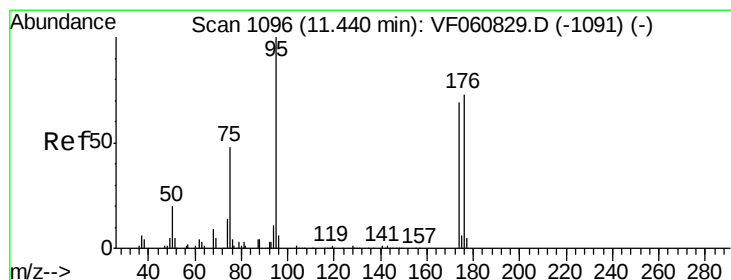
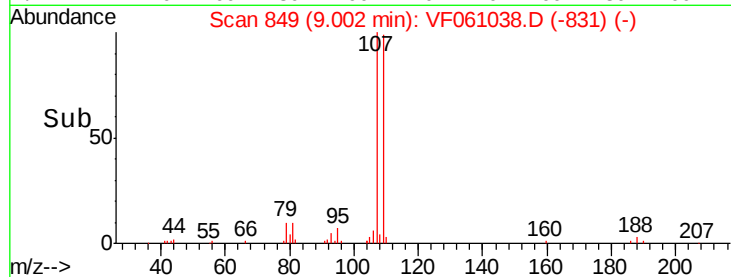
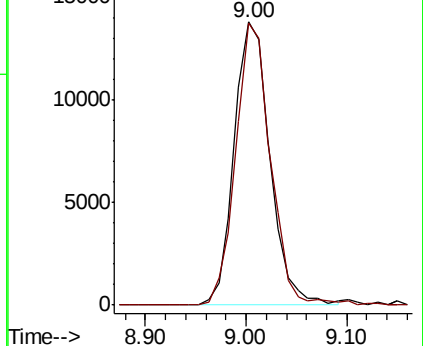
apatel

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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: 56.633 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

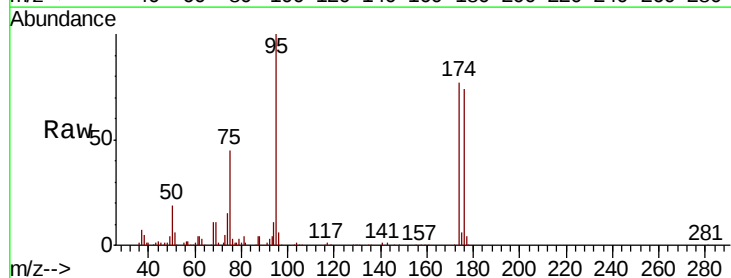
Tgt Ion: 95 Resp: 167063

Ion Ratio Lower Upper

95 100

174 77.1 0.0 138.2

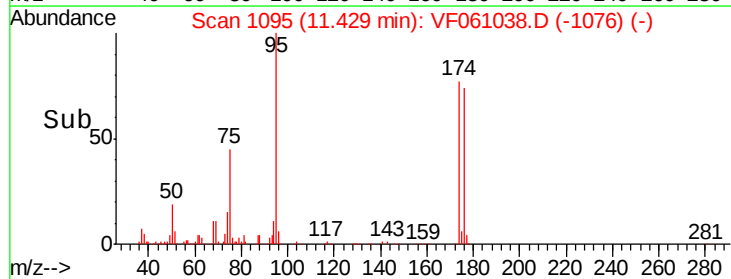
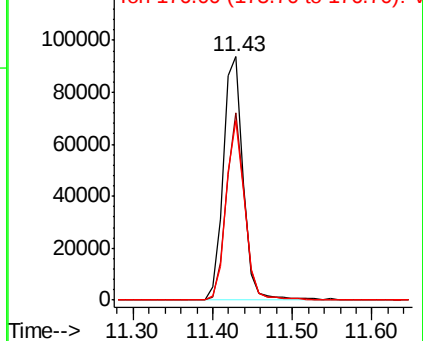
176 73.7 0.0 146.2

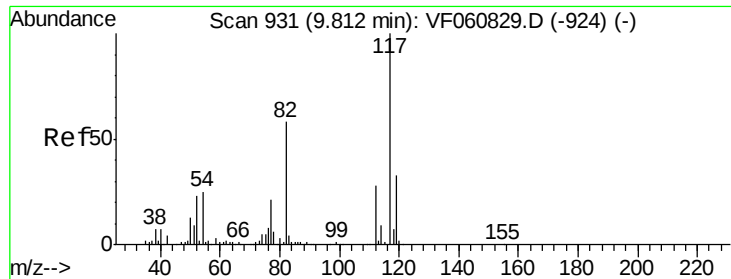


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





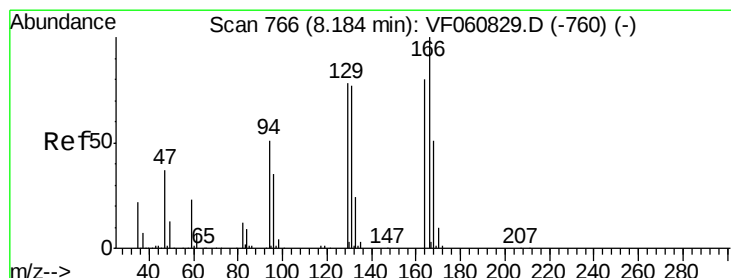
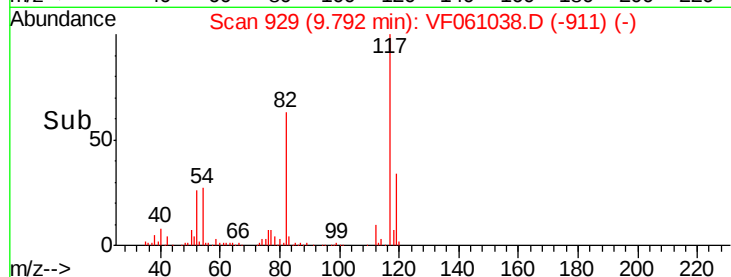
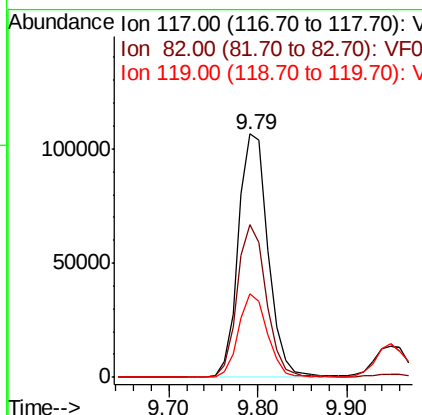
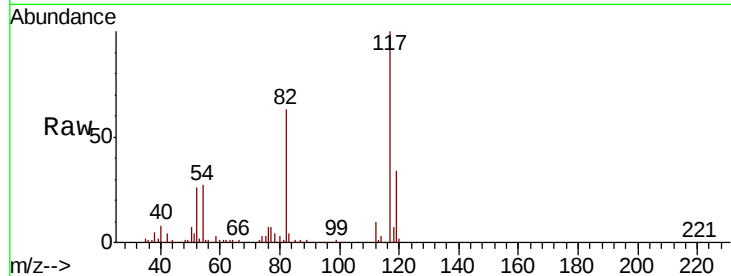
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	46.6	69.8
119	34.4	26.4	39.6

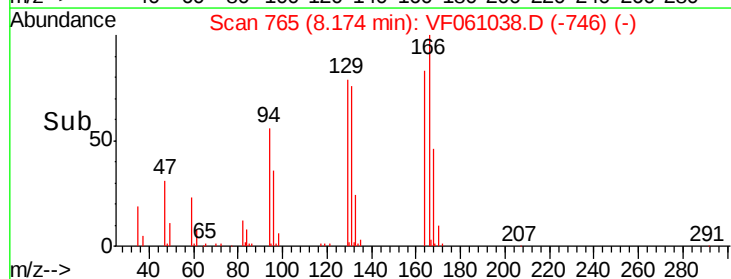
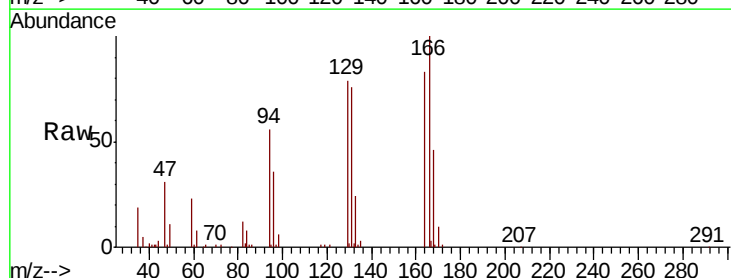
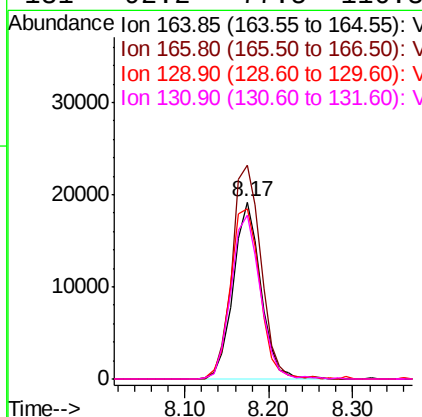
Manual Integrations
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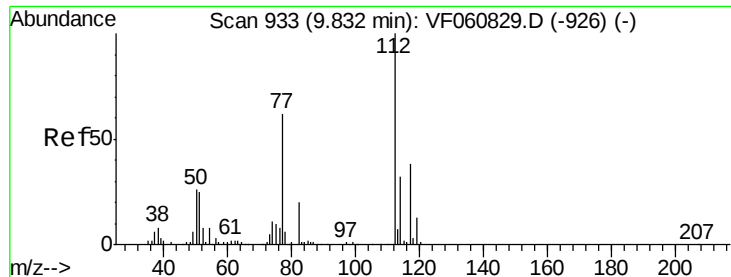
apatel
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#64
Tetrachloroethene
Concen: 23.077 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	100.3	150.5
129	95.8	77.9	116.9
131	92.2	77.5	116.3





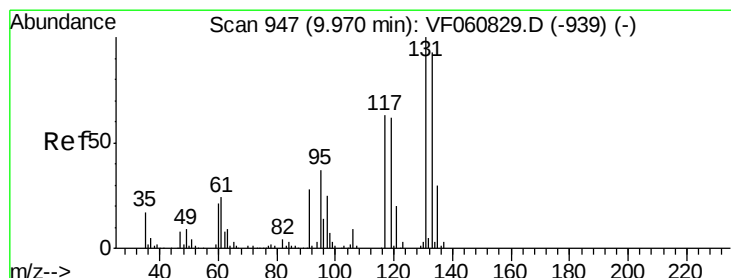
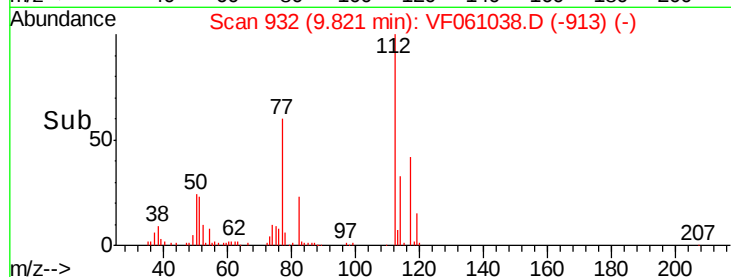
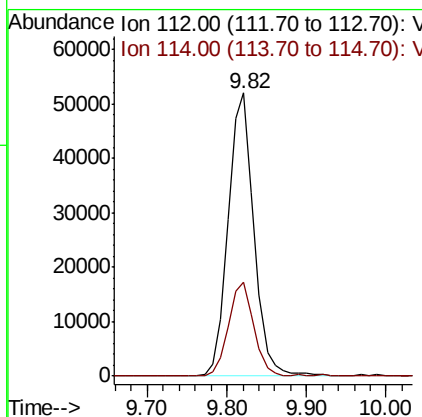
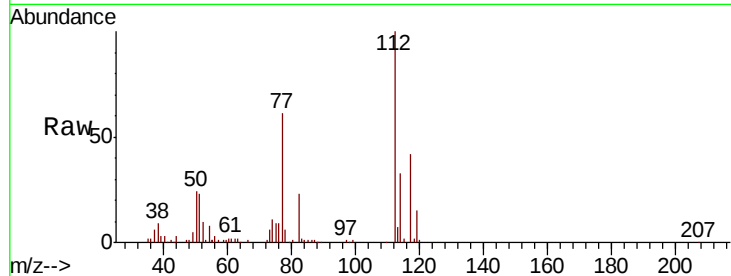
#65
Chlorobenzene
Concen: 24.441 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion:112 Resp: 118056
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0

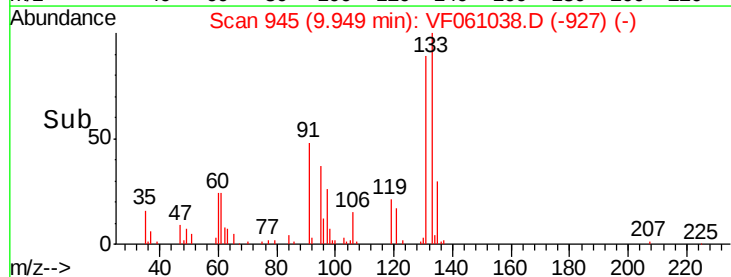
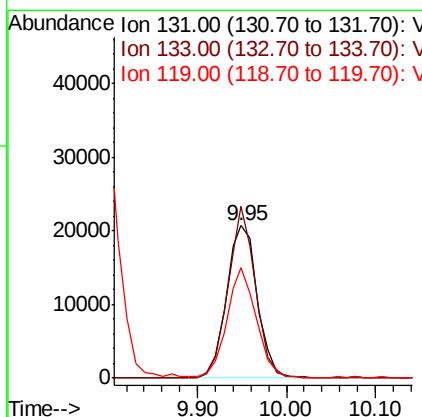
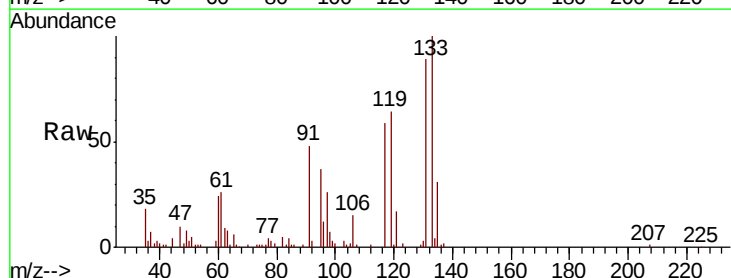
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.118 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion:131 Resp: 50081
Ion Ratio Lower Upper
131 100
133 112.7 46.5 139.3
119 72.5 31.1 93.3





#67

Ethyl Benzene

Concen: 26.111 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 91 Resp: 234799

Ion Ratio Lower Upper

91 100

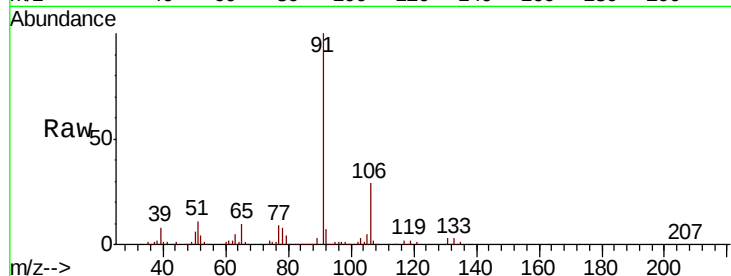
106 29.5 22.2 33.2

Manual Integrations

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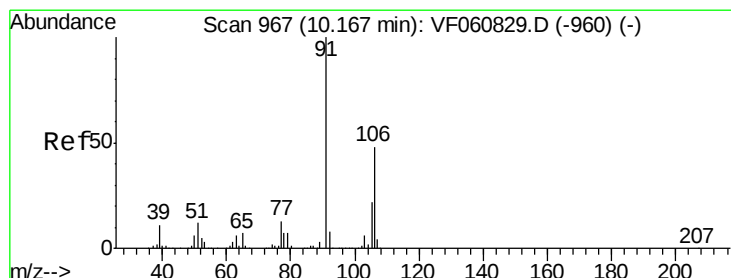
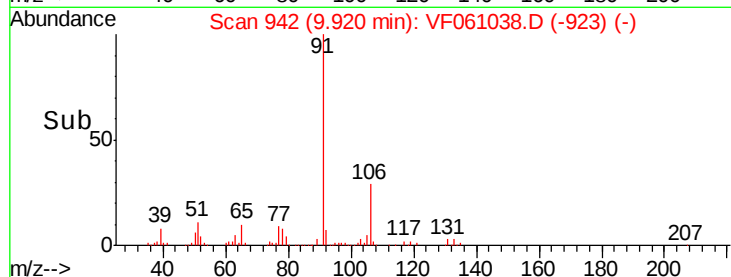
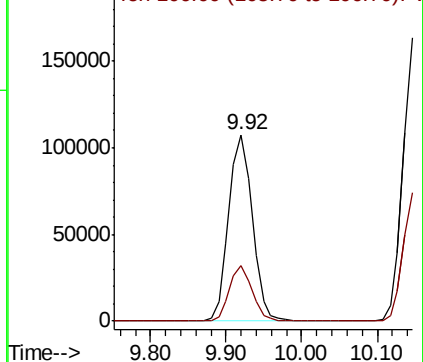
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 50.556 ug/l

RT: 10.15 min Scan# 965

Delta R.T. -0.02 min

Lab File: VF061038.D

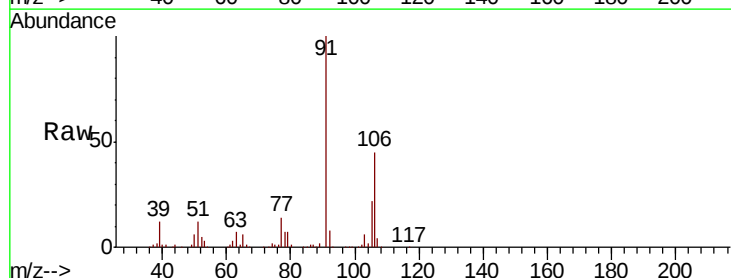
Acq: 17 Dec 2018 13:47

Tgt Ion:106 Resp: 163508

Ion Ratio Lower Upper

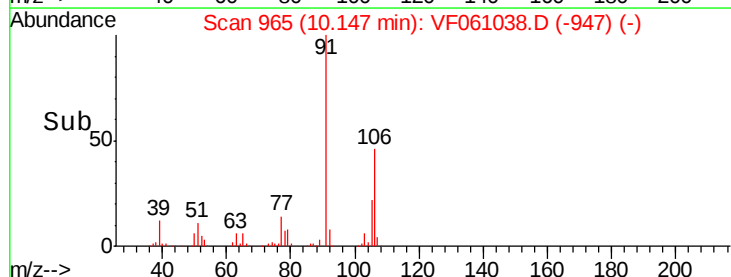
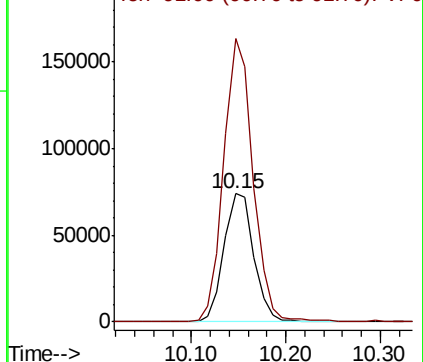
106 100

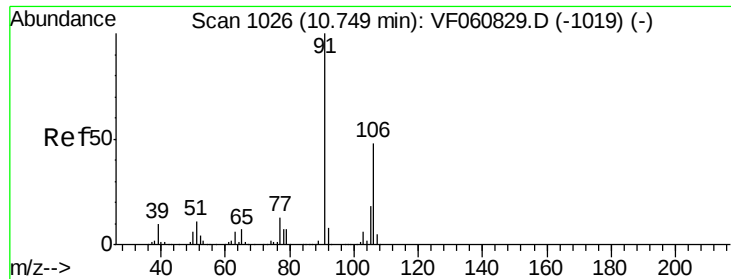
91 220.7 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





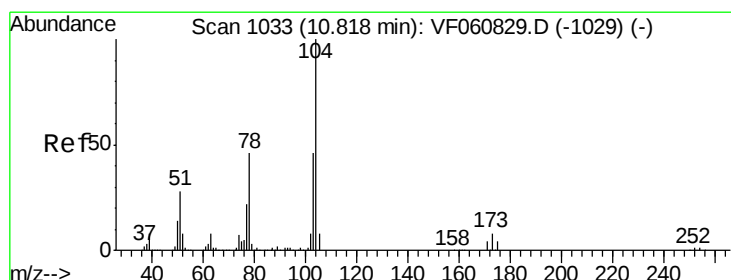
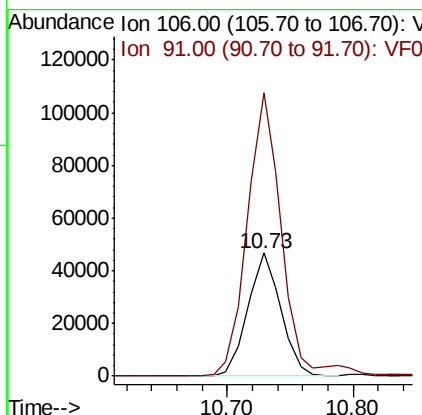
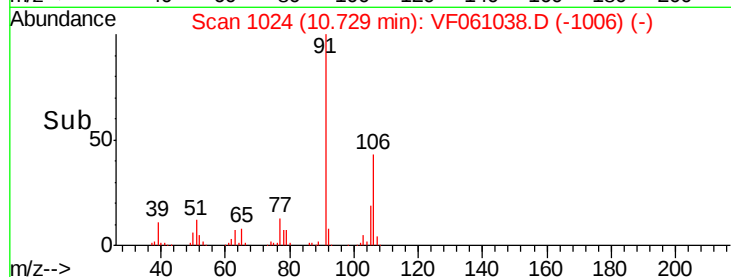
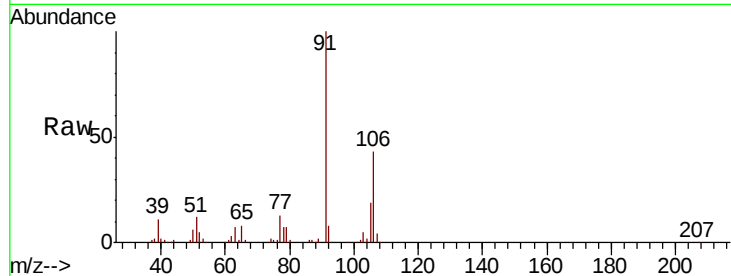
#69
o-Xylene
Concen: 23.859 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion:106 Resp: 85090
Ion Ratio Lower Upper
106 100
91 230.5 104.8 314.6

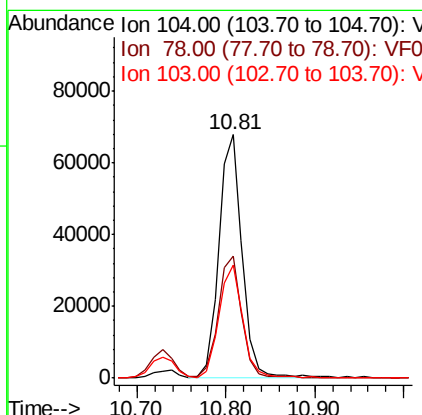
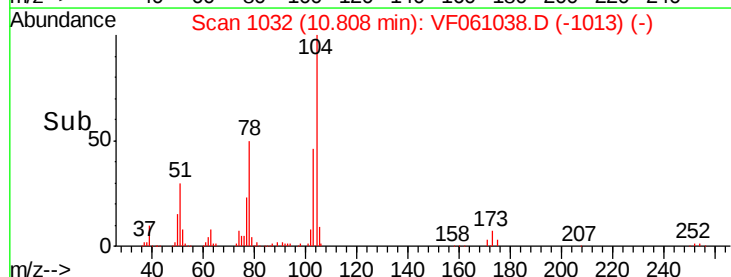
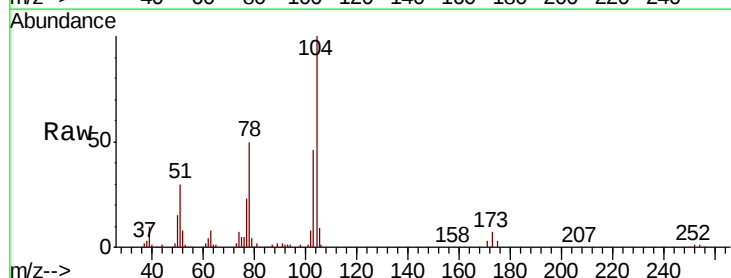
Manual Integrations
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#70
Styrene
Concen: 24.983 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion:104 Resp: 123510
Ion Ratio Lower Upper
104 100
78 49.9 37.3 55.9
103 46.2 36.8 55.2





#71

Bromoform

Concen: 25.185 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

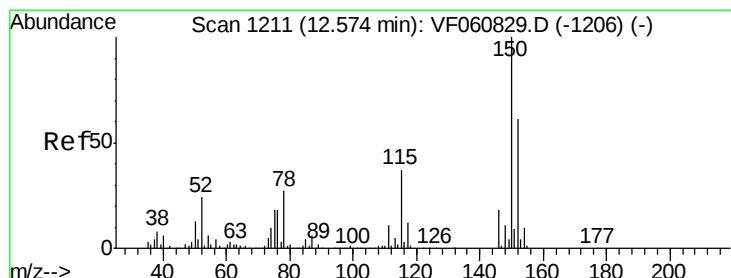
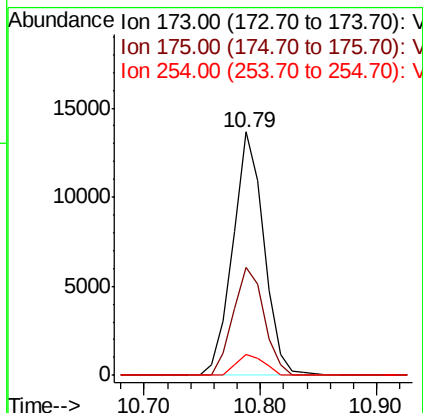
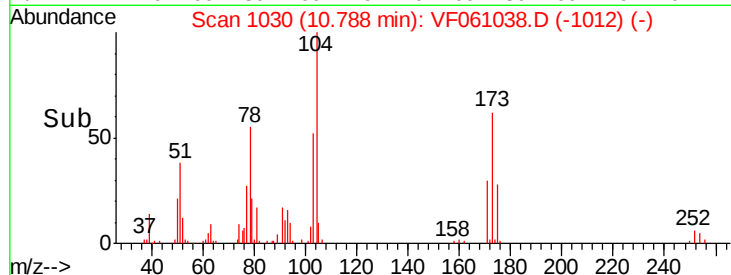
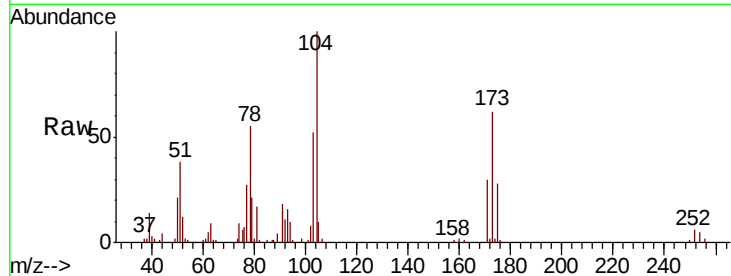
ClientSampleId :

VF1217SBS01

Tot Ion:	173	Resp:	25261
Ion Ratio	Lower	Upper	
173	100		
175	44.4	25.5	76.5
254	8.7	7.5	11.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

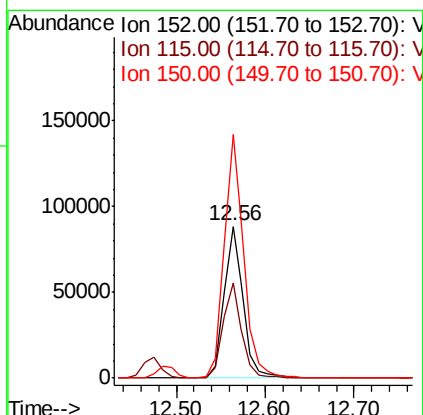
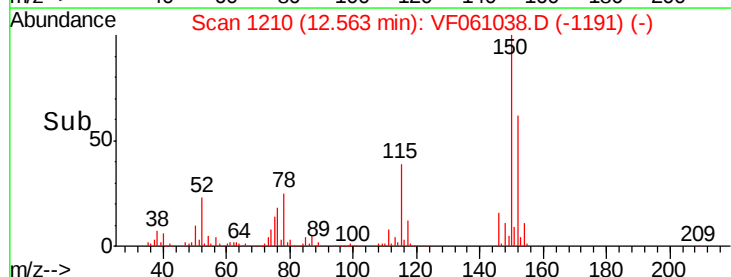
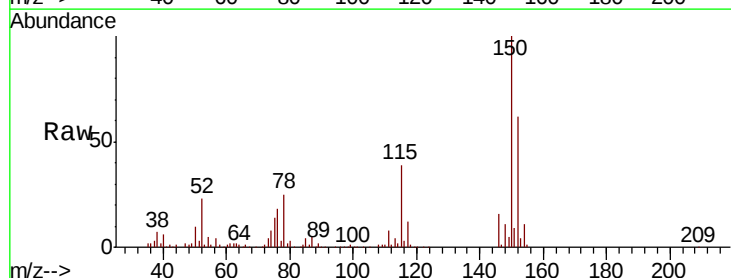
RT: 12.56 min Scan# 1210

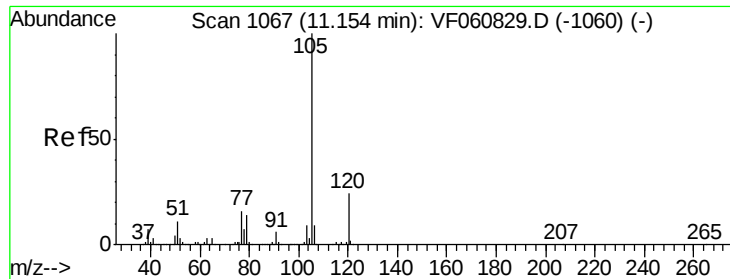
Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion:	152	Resp:	134028
Ion Ratio	Lower	Upper	
152	100		
115	63.1	30.1	90.5
150	160.7	0.0	327.6





#73

Isopropylbenzene

Concen: 24.298 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 105 Resp: 257352

Ion Ratio Lower Upper

105 100

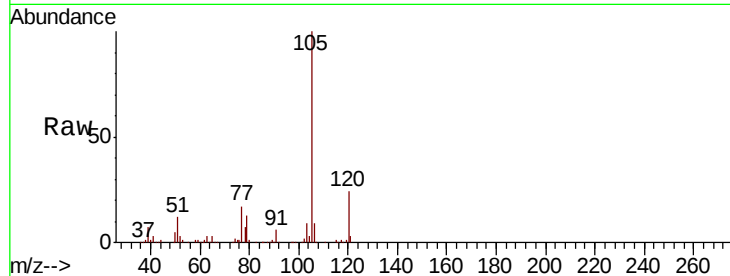
120 24.3 12.2 36.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.14

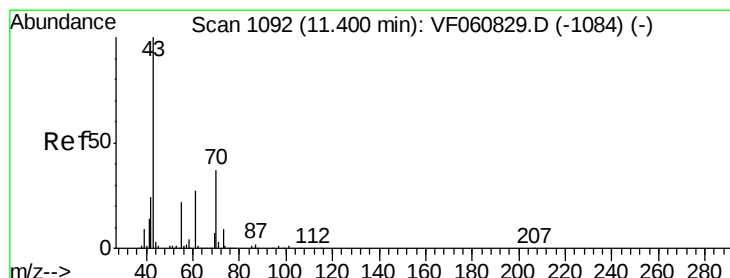
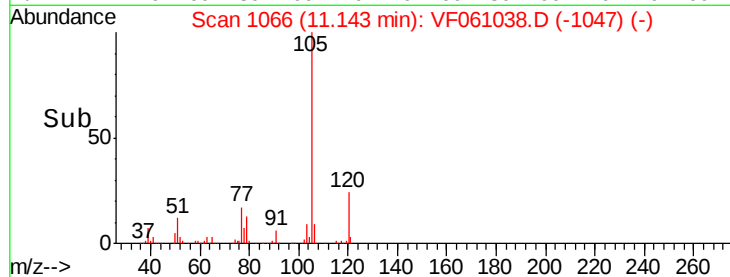
150000

100000

50000

0

Time--> 11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 24.819 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion: 43 Resp: 60701

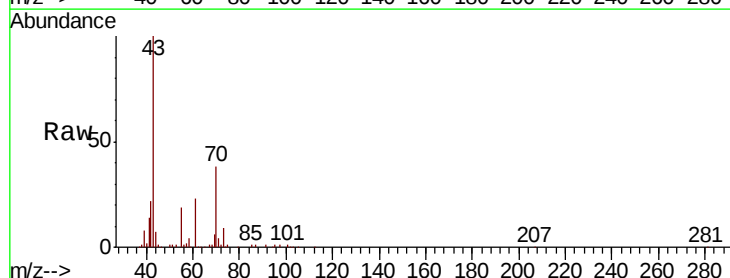
Ion Ratio Lower Upper

43 100

70 38.0 29.6 44.4

55 18.9 17.2 25.8

61 22.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.39

50000

40000

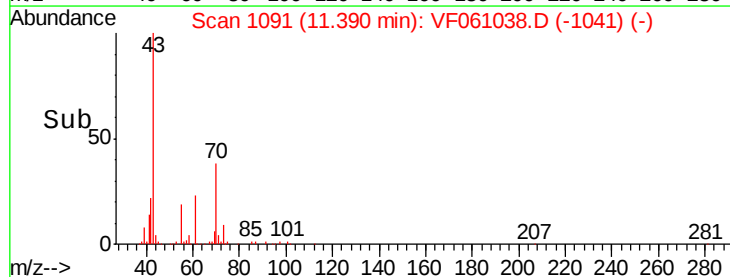
30000

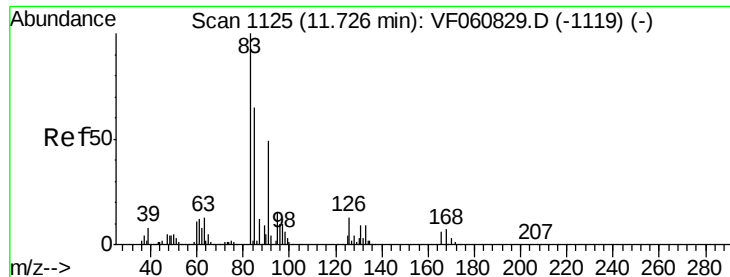
20000

10000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 25.792 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

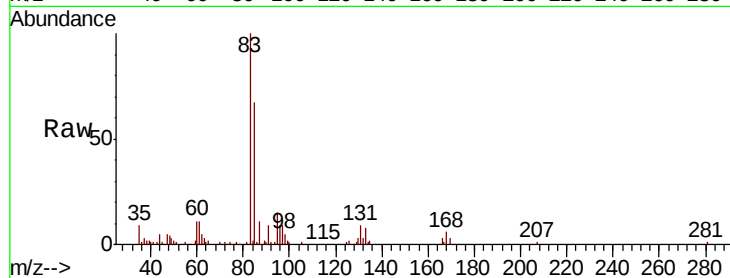
ClientSampleId :

VF1217SBS01

Tot Ion:	83	Resp:	44959
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.7	14.1
85	66.6	32.6	97.8

Manual Integrations
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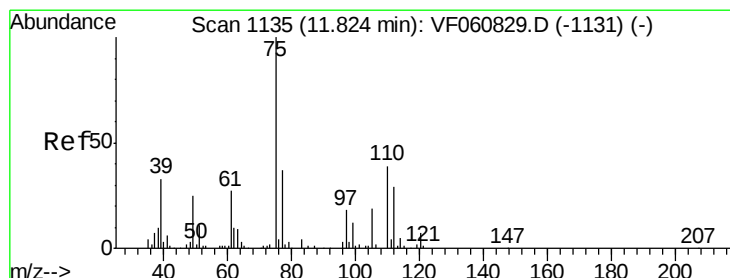
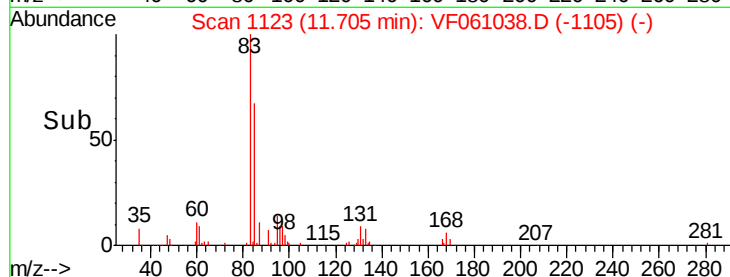
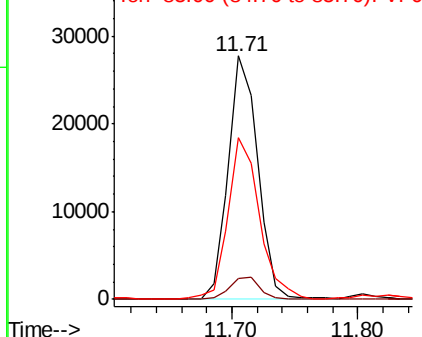
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Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 24.953 ug/l

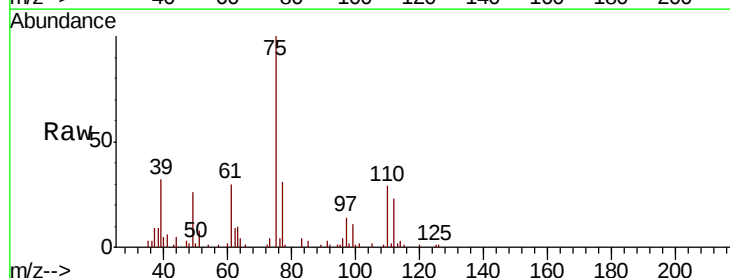
RT: 11.80 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF061038.D

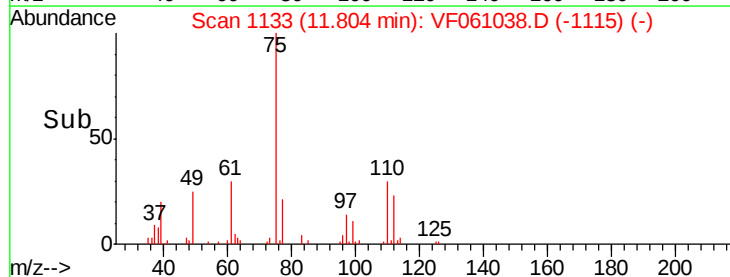
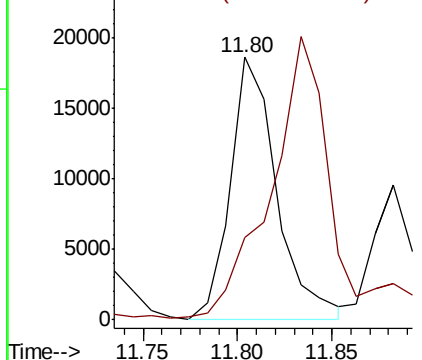
Acq: 17 Dec 2018 13:47

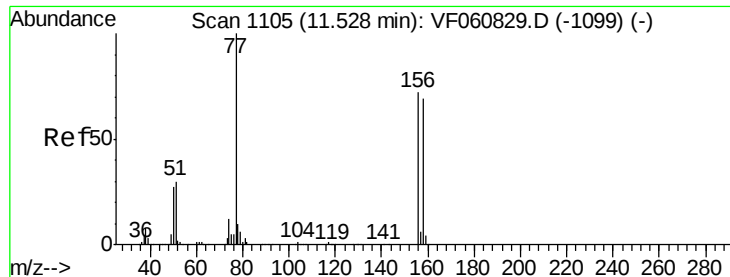
Tgt Ion:	75	Resp:	31616
Ion Ratio	Lower	Upper	
75	100		
77	31.1	18.4	55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





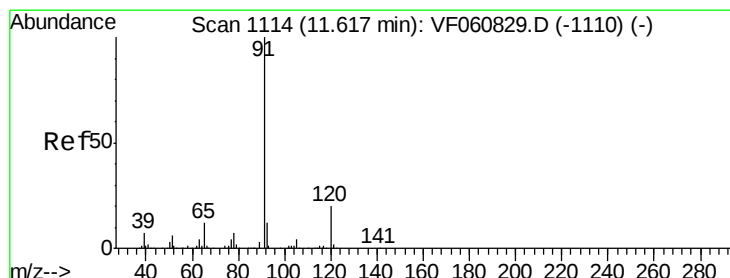
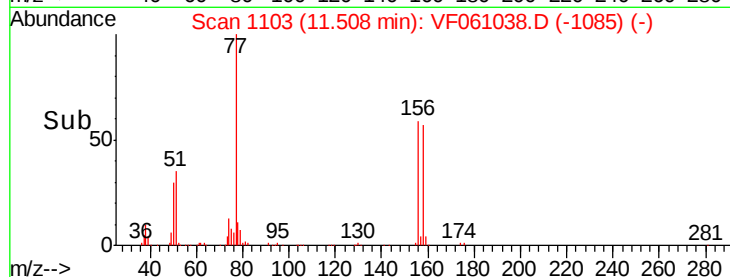
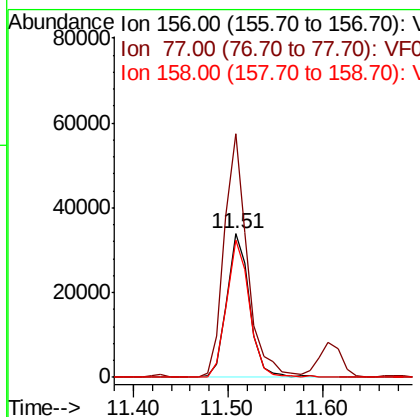
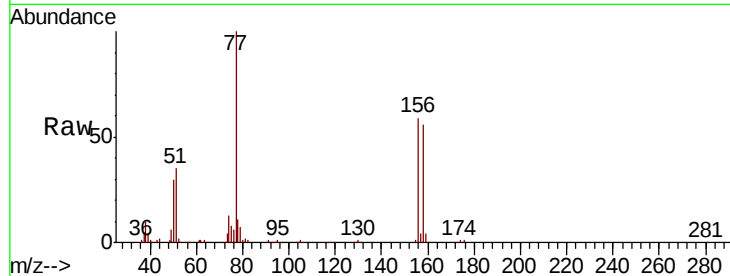
#77
Bromobenzene
Concen: 24.358 ug/l
RT: 11.51 min Scan# 1103
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.6	69.7	209.0
158	95.7	47.8	143.4

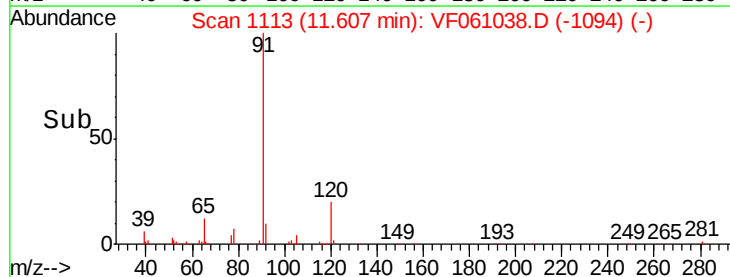
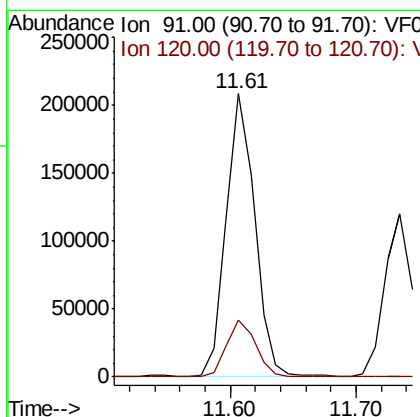
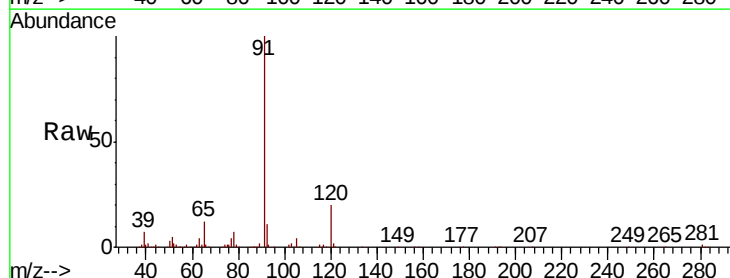
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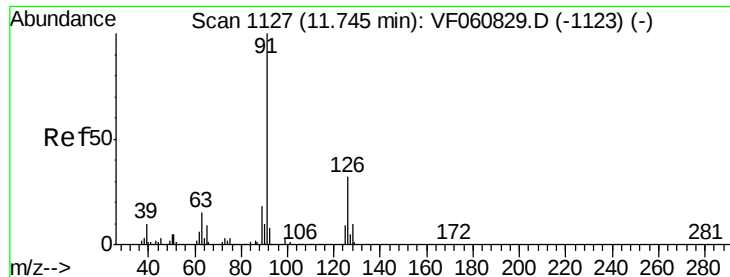
apatel
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#78
n-propylbenzene
Concen: 26.376 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.3	30.8





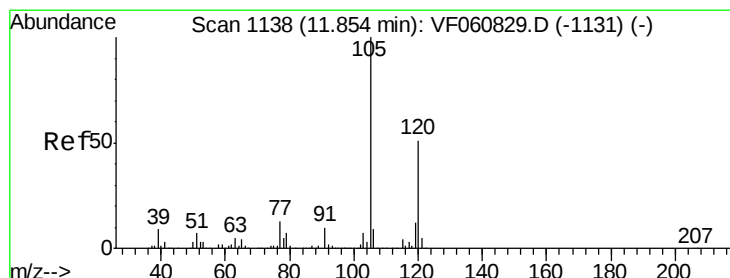
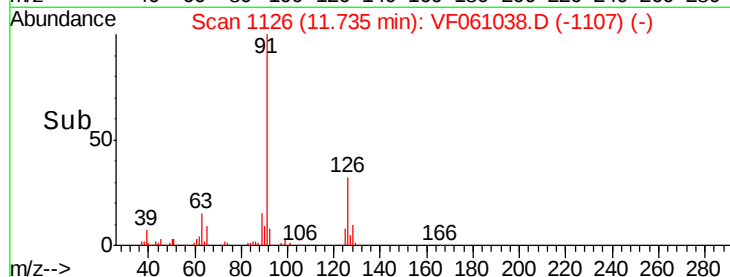
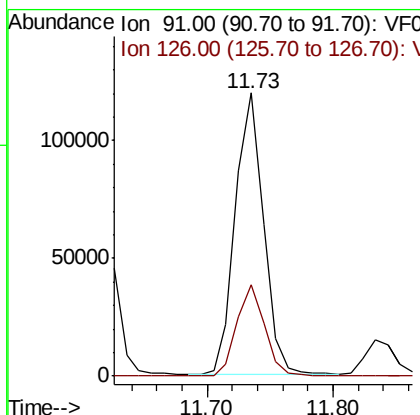
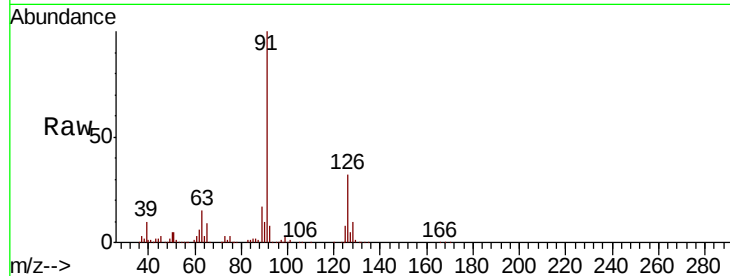
#79
 2-Chlorotoluene
 Concen: 26.206 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.6

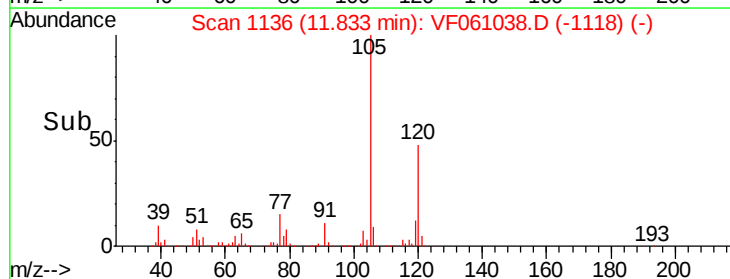
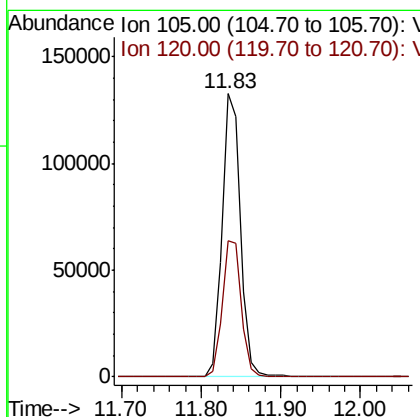
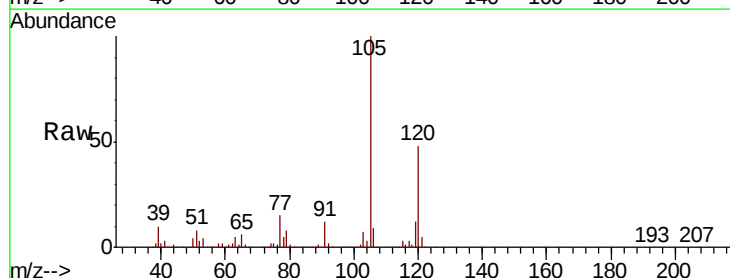
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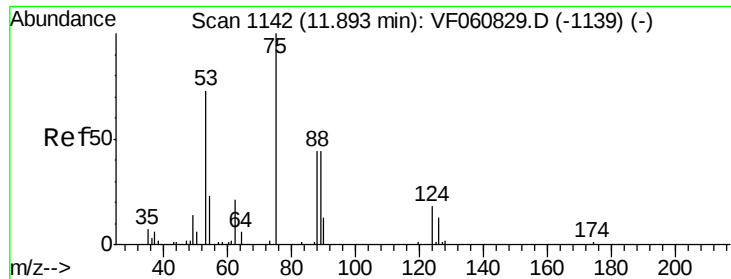
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 25.351 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	25.8	77.3





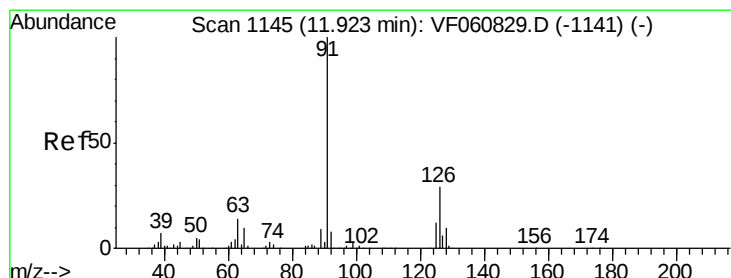
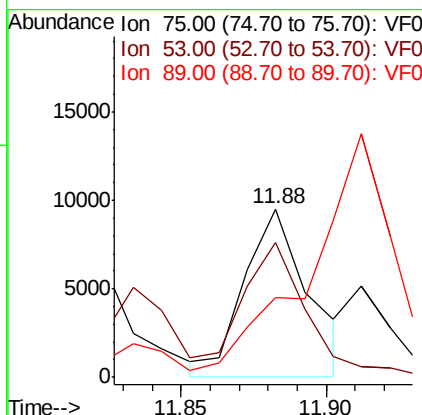
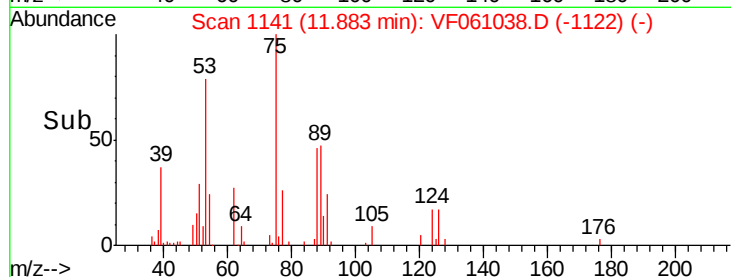
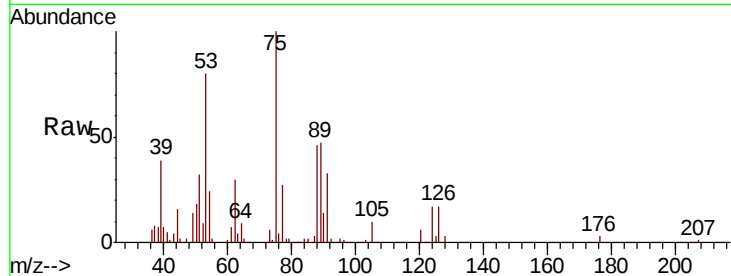
#81
trans-1,4-Dichloro-2-butene
Concen: 23.703 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.2	65.9	98.9
89	47.5	38.8	58.2

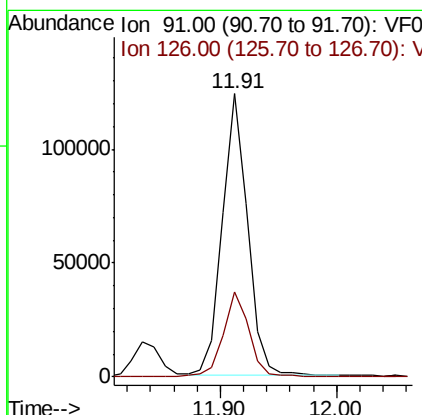
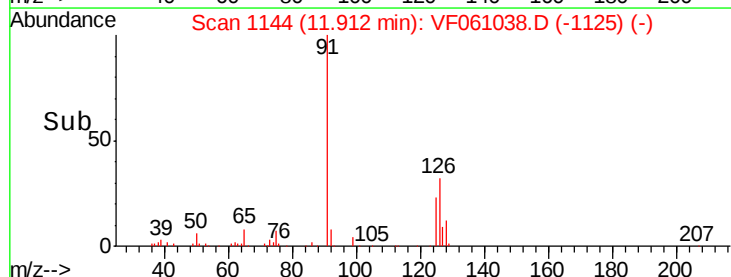
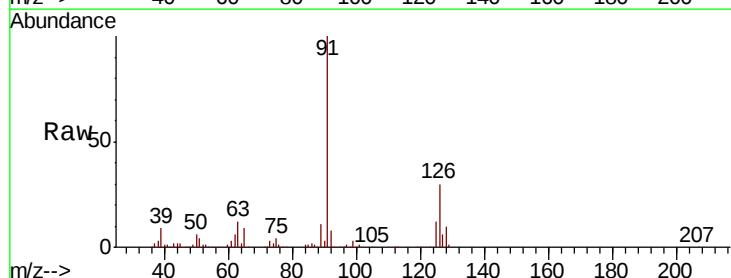
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#82
4-Chlorotoluene
Concen: 25.043 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.8	44.4





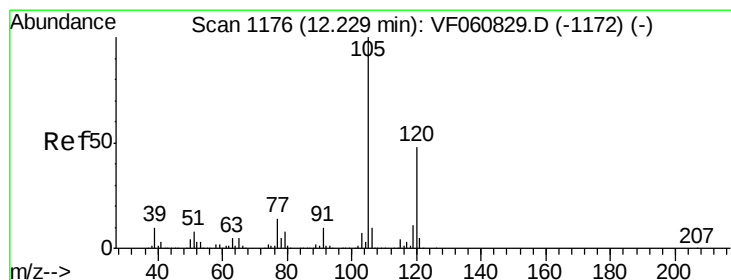
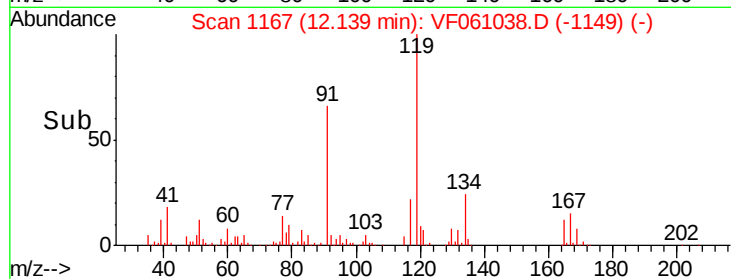
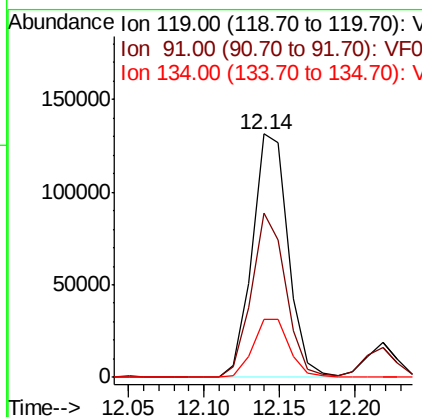
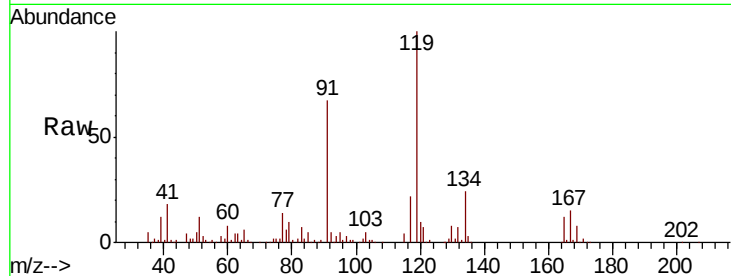
#83
tert-Butylbenzene
Concen: 24.978 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. -0.02 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218775		
91	67.5		30.1	90.3
134	23.8		12.6	37.8

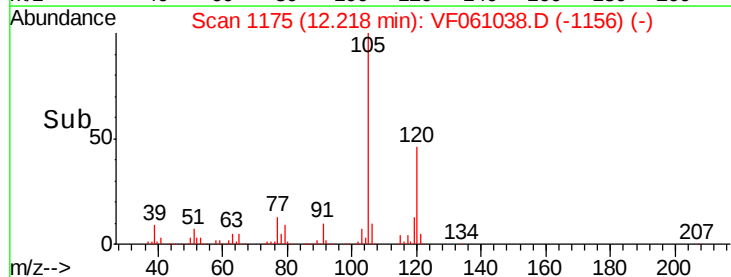
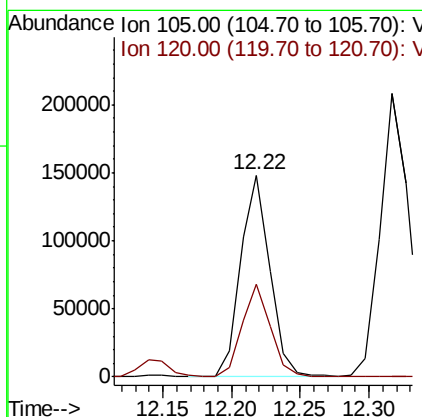
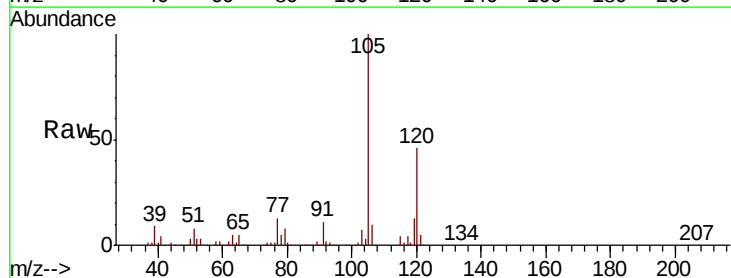
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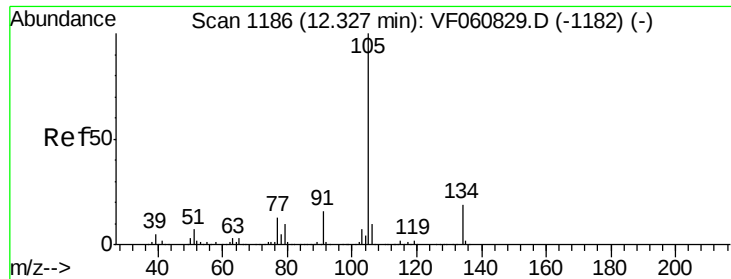
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#84
1,2,4-Trimethylbenzene
Concen: 25.567 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219404		
120	45.9		23.8	71.5





#85

sec-Butylbenzene

Concen: 25.295 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:105 Resp: 303285

Ion Ratio Lower Upper

105 100

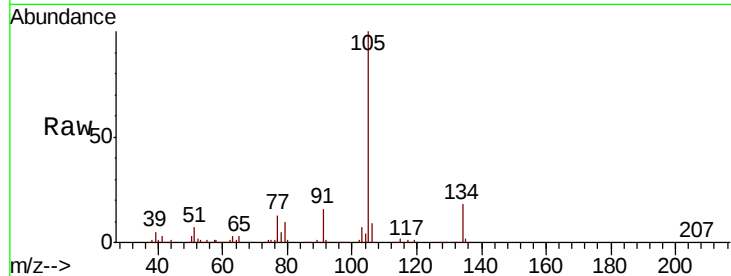
134 18.1 9.5 28.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.32

200000

150000

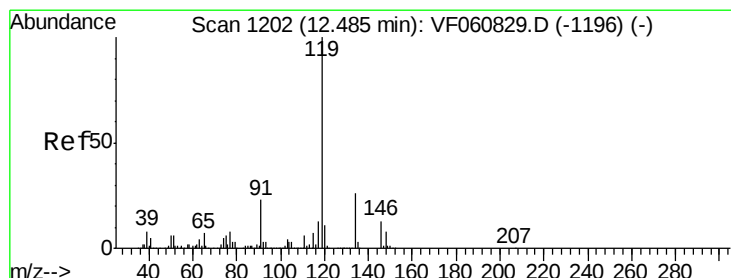
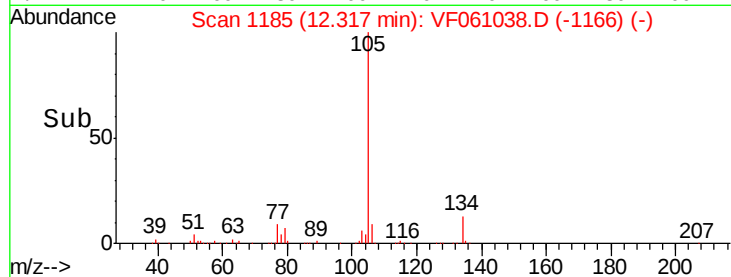
100000

50000

0

12.30 12.40

Time-->



#86

p-Isopropyltoluene

Concen: 25.612 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

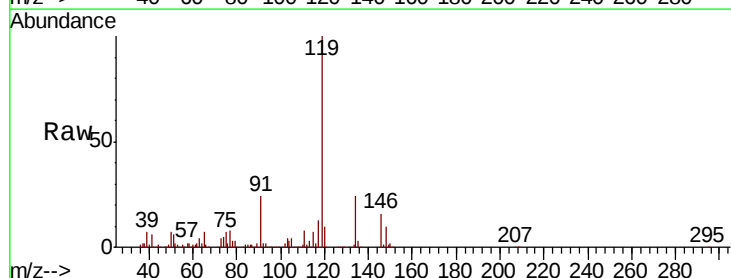
Tgt Ion:119 Resp: 257464

Ion Ratio Lower Upper

119 100

134 23.6 12.9 38.6

91 23.9 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

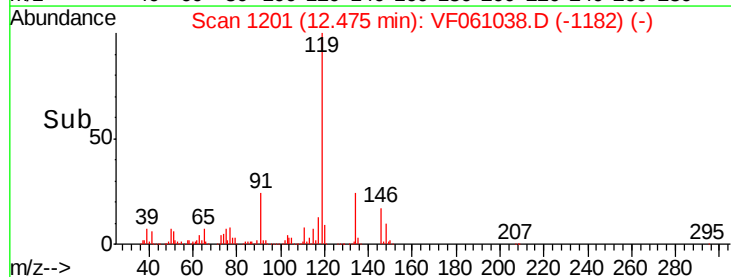
100000

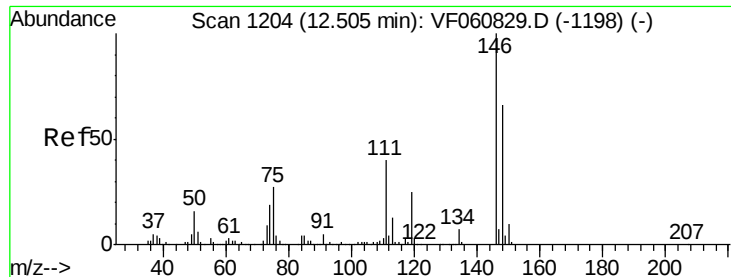
50000

0

12.40 12.50 12.60

Time-->





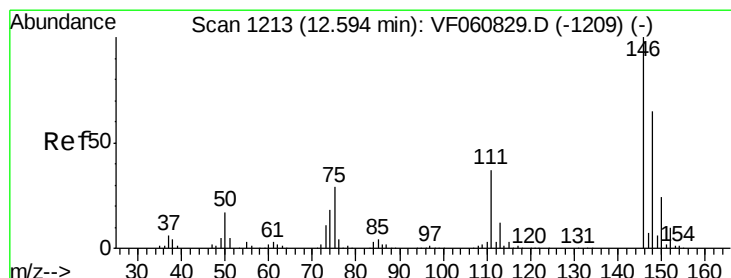
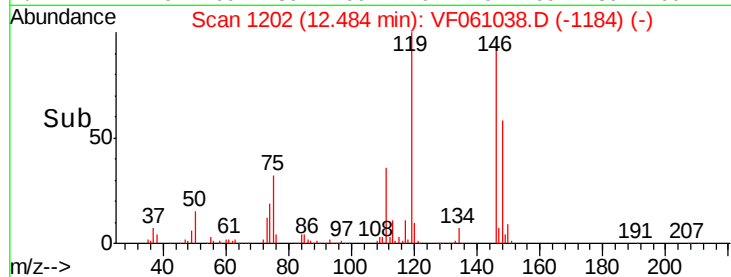
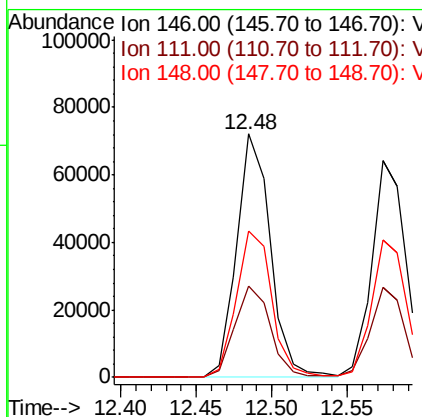
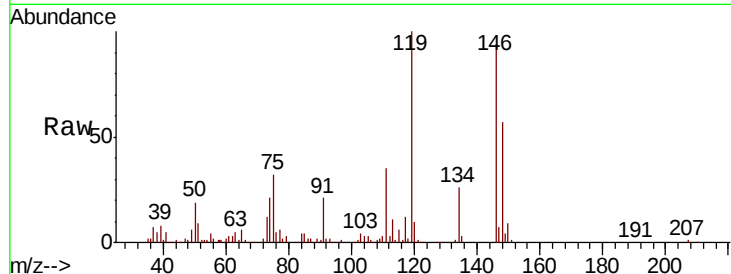
#87
 1,3-Dichlorobenzene
 Concen: 25.355 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	111992		
111	37.5	20.0	59.9	
148	60.3	32.9	98.6	

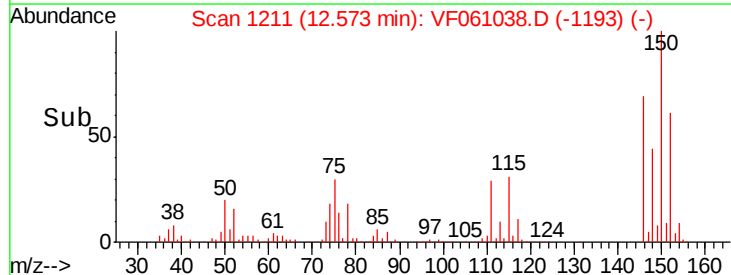
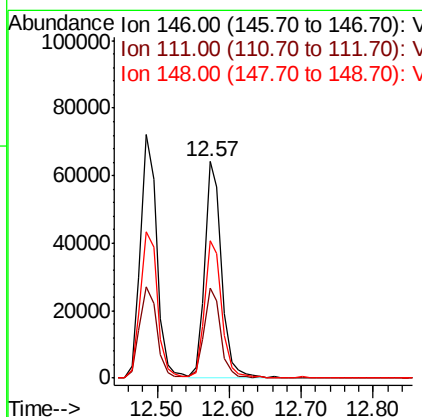
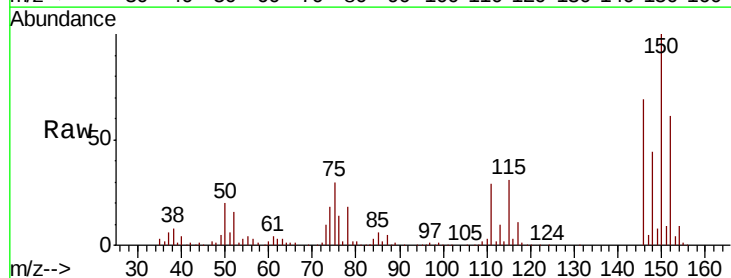
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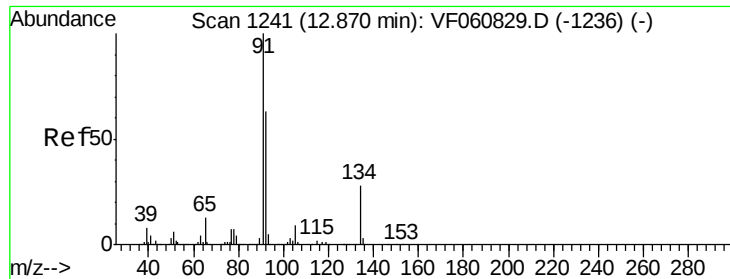
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 24.114 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.02 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103800		
111	41.4	18.9	56.7	
148	63.6	32.3	96.9	





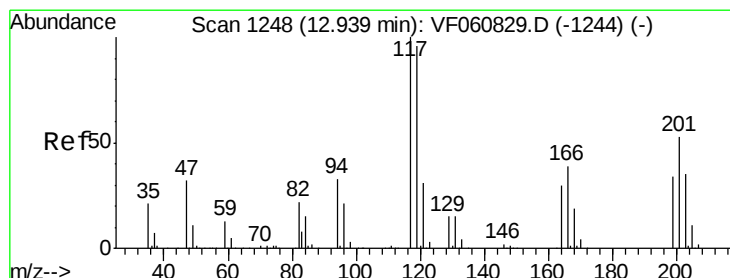
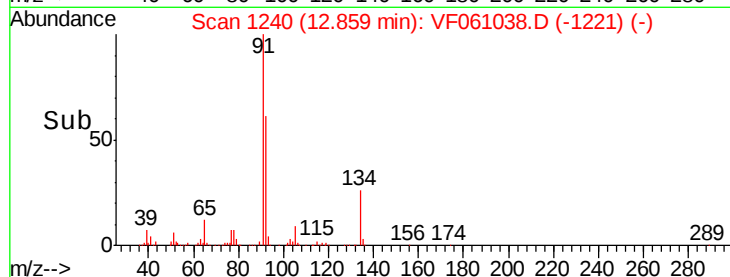
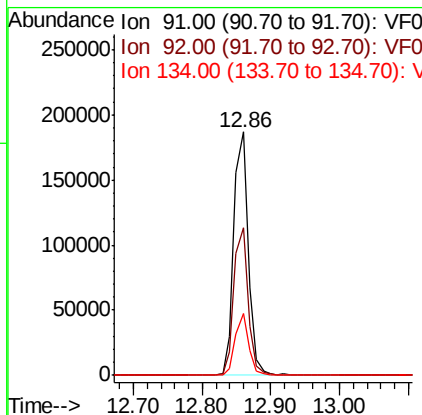
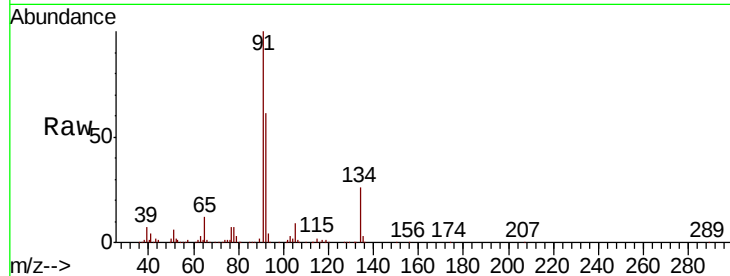
#89
n-Butylbenzene
Concen: 27.026 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.7	31.6	94.7
134	25.6	13.8	41.4

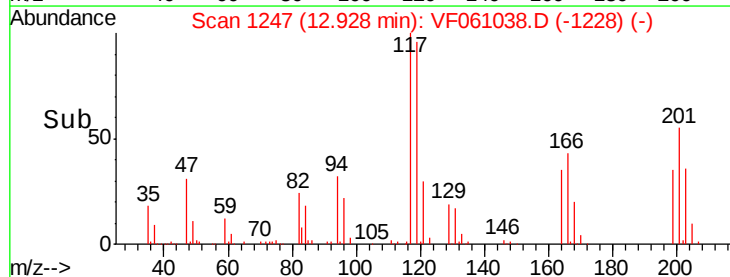
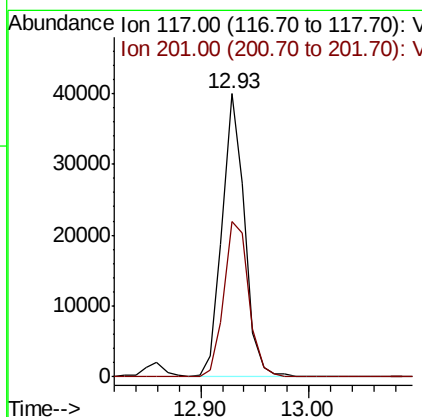
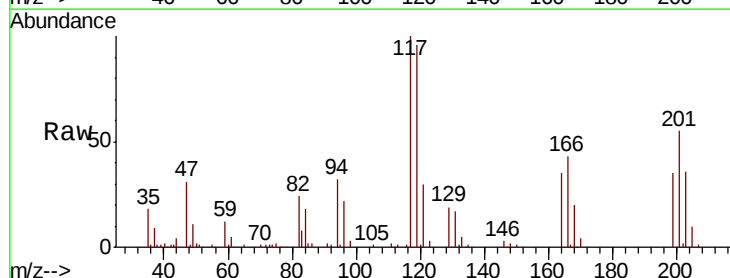
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#90
Hexachloroethane
Concen: 23.933 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF061038.D
Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.9	26.7	80.1





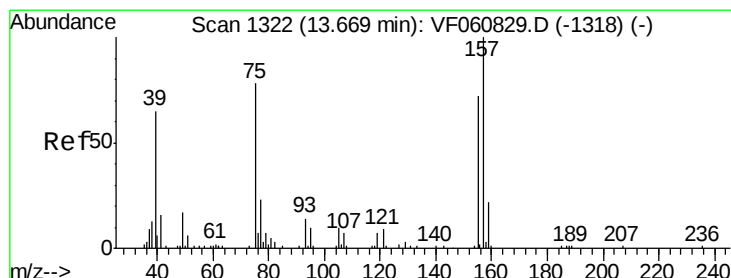
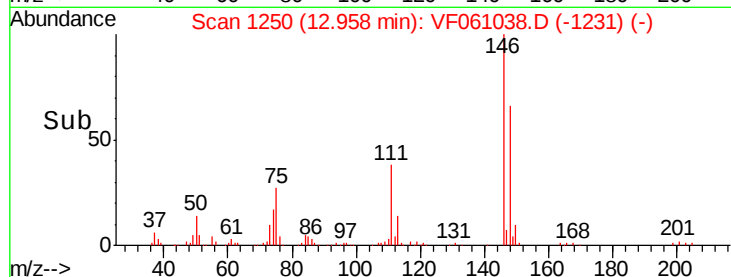
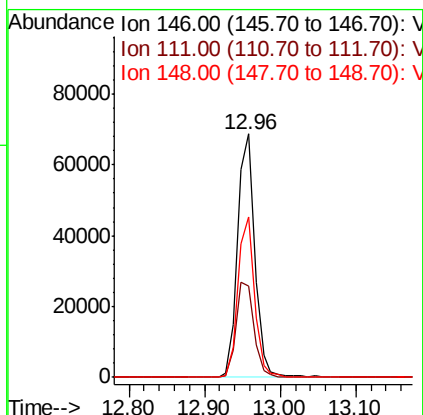
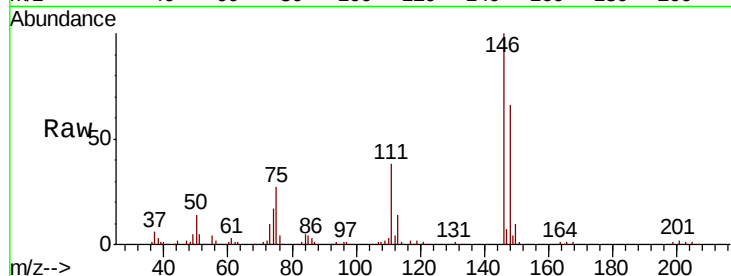
#91
 1,2-Dichlorobenzene
 Concen: 25.656 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	21.2	63.6
148	65.7	32.5	97.5

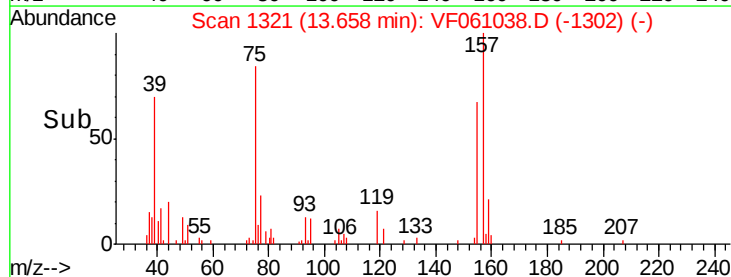
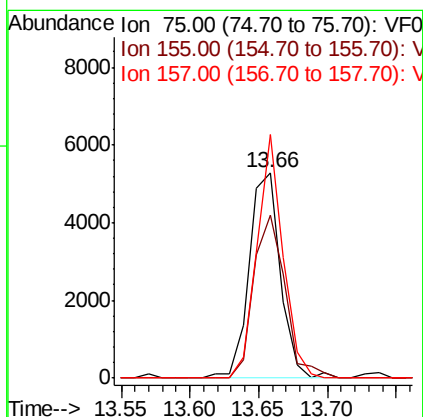
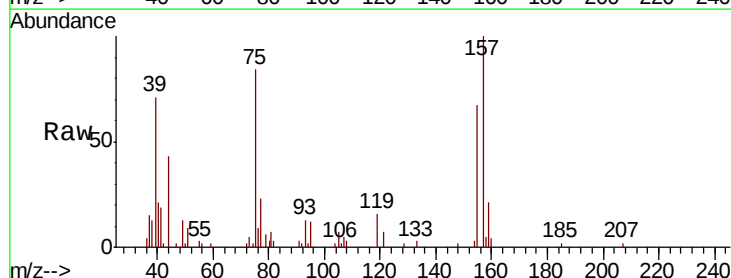
Manual Integrations
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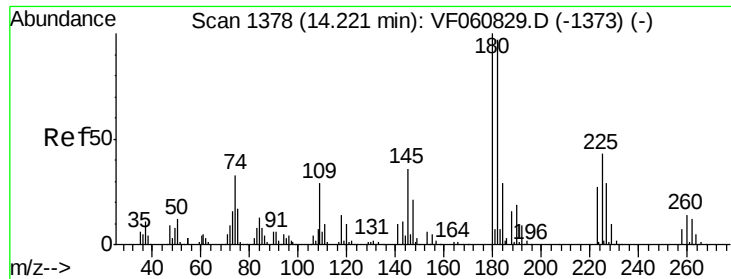
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.913 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	45.6	136.9
157	118.5	63.8	191.5





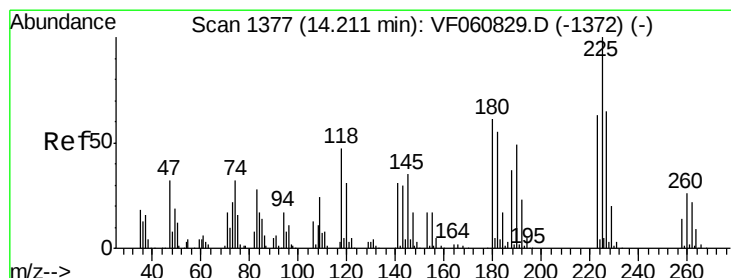
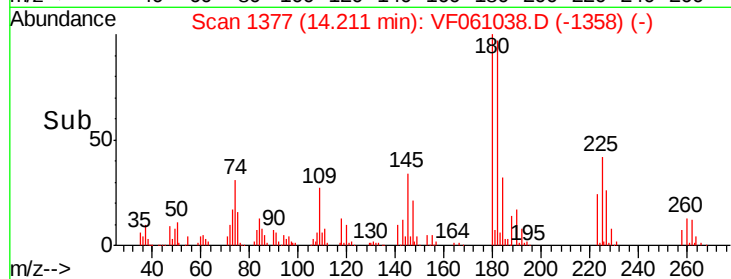
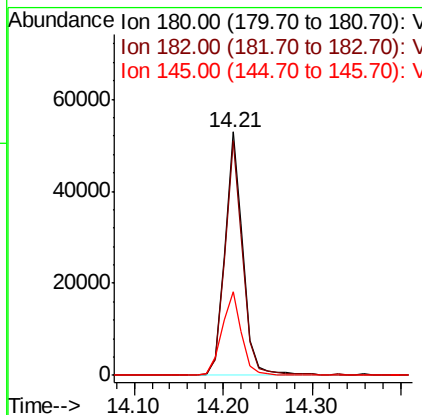
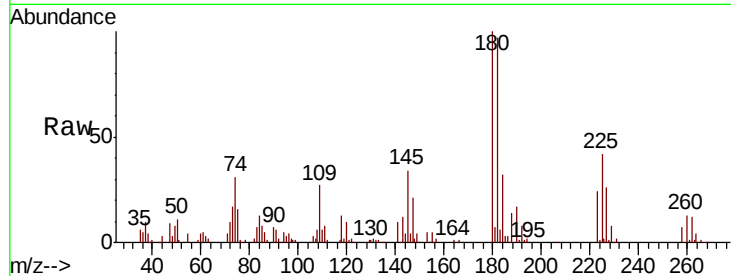
#93
 1,2,4-Trichlorobenzene
 Concen: 26.055 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	76149		
182	96.5		48.5	145.5
145	34.4		18.1	54.3

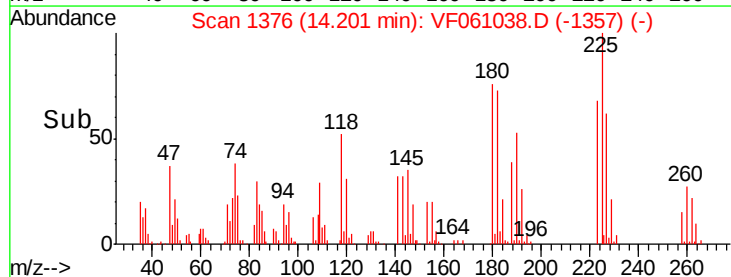
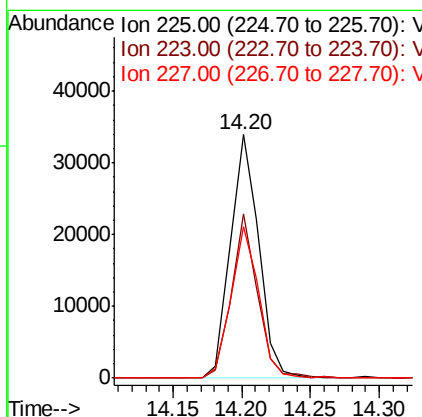
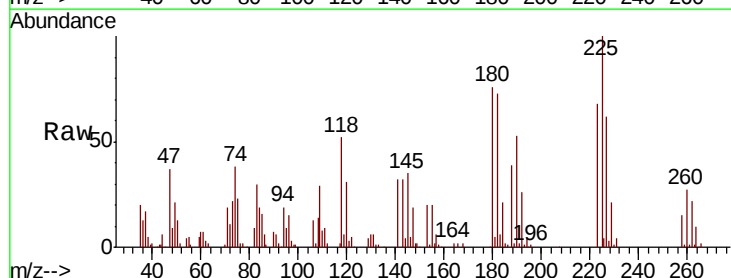
Manual Integrations
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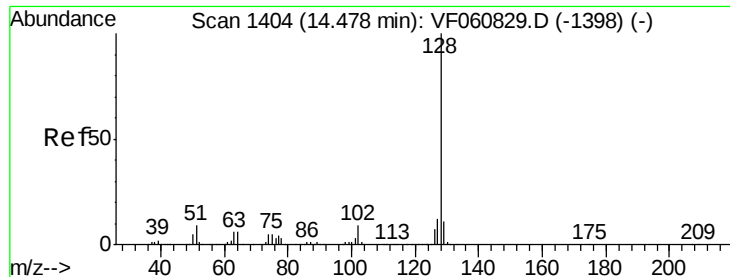
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#94
 Hexachlorobutadiene
 Concen: 24.941 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061038.D
 Acq: 17 Dec 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48592		
223	67.6		31.4	94.3
227	62.2		32.5	97.5





#95

Naphthalene

Concen: 22.276 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Instrument :

MSVOA_F

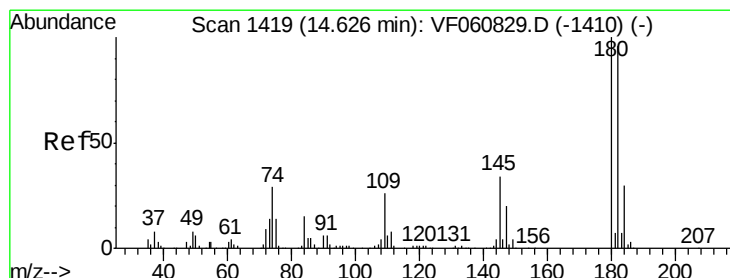
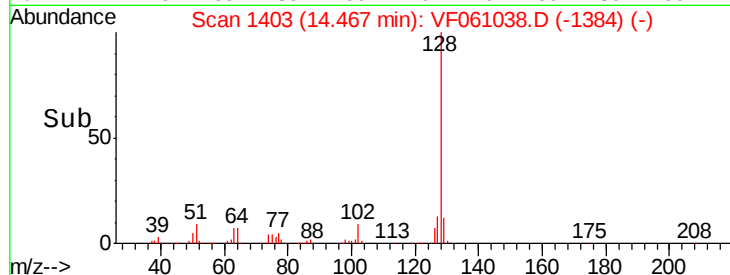
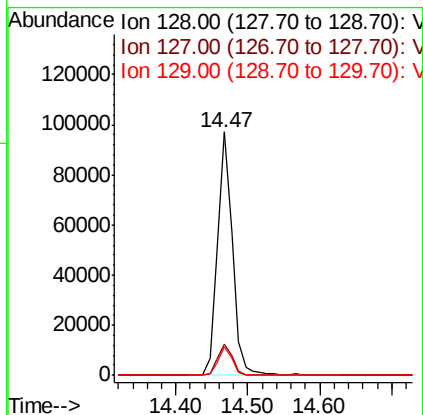
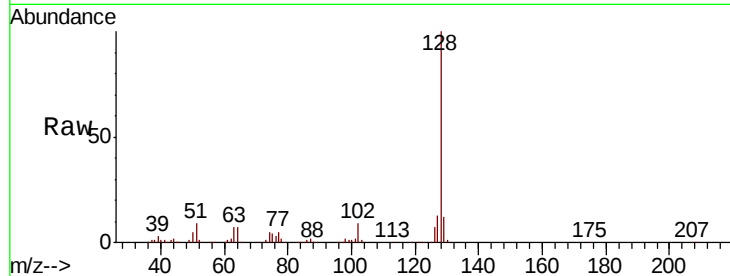
ClientSampleId :

VF1217SBSD01

Tot Ion:	128	Resp:	137367
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.9	14.9
129	11.7	9.1	13.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 26.470 ug/l

RT: 14.62 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF061038.D

Acq: 17 Dec 2018 13:47

Tgt Ion:	180	Resp:	71831
Ion Ratio	Lower	Upper	
180	100		
182	92.7	47.9	143.8
145	36.2	17.2	51.5

