

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060517.D
 Acq On : 26 Oct 2018 15:35
 Operator : VA/AP
 Sample : VF1026SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Manual Integrations
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 10/29/2018 12:12:02 PM

Quant Time: Oct 27 02:15:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	194733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	308358	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	276114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	172468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	185517	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	4.28	113	170259	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
50) Toluene-d8	7.70	98	350179	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	11.51	95	179017	43.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	120814	23.427	ug/l	86
3) Chloromethane	1.15	50	55726	22.646	ug/l	97
4) Vinyl Chloride	1.18	62	61843	21.774	ug/l #	86
5) Bromomethane	1.35	94	55451	19.385	ug/l	91
6) Chloroethane	1.42	64	37333	21.205	ug/l #	87
7) Trichlorofluoromethane	1.55	101	176177	19.379	ug/l	97
8) Diethyl Ether	1.70	74	18665	22.014	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.88	101	80744	20.968	ug/l	90
10) Methyl Iodide	1.95	142	114440	21.033	ug/l	92
11) Tert butyl alcohol	2.68	59	21974	116.466	ug/l	96
12) 1,1-Dichloroethene	1.85	96	57523	20.748	ug/l	81
13) Acrolein	2.08	56	16960	98.521	ug/l	100
14) Allyl chloride	2.18	41	97762	22.030	ug/l	90
15) Acrylonitrile	3.07	53	39264	126.022	ug/l #	82
16) Acetone	2.34	43	109309	129.318	ug/l	96
17) Carbon Disulfide	1.89	76	165760	21.821	ug/l	99
18) Methyl Acetate	2.45	43	27745	21.829	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	139458	20.096	ug/l	100
20) Methylene Chloride	2.27	84	56556m	21.863	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	59470	22.487	ug/l	83
22) Diisopropyl ether	2.92	45	178062	22.623	ug/l	97
23) Vinyl Acetate	3.32	43	310714	124.801	ug/l	99
24) 1,1-Dichloroethane	2.99	63	126780	21.122	ug/l	98
25) 2-Butanone	4.50	43	106837	155.436	ug/l	93
26) 2,2-Dichloropropane	3.76	77	80899	20.378	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	57930	22.948	ug/l	86
28) Bromochloromethane	3.88	49	40769	23.084	ug/l	99
29) Tetrahydrofuran	4.25	42	32710	133.031	ug/l	97
30) Chloroform	4.02	83	148398	21.437	ug/l	91
31) Cyclohexane	3.86	56	74372	25.094	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	130243	20.379	ug/l	94
36) 1,1-Dichloropropene	4.45	75	86698	18.997	ug/l	95
37) Ethyl Acetate	4.29	43	36291	26.097	ug/l #	42
38) Carbon Tetrachloride	4.16	117	148589	21.516	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	80521	21.619	ug/l #	84
40) Benzene	4.80	78	158806	21.150	ug/l	96
41) Methacrylonitrile	4.91	41	15031	19.643	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	88918	18.320	ug/l	99
43) Isopropyl Acetate	7.11	43	32721	20.804	ug/l #	95
44) Trichloroethene	5.67	130	51757	19.757	ug/l	99
45) 1,2-Dichloropropane	6.39	63	38846	20.431	ug/l	97
46) Dibromomethane	6.24	93	34736	19.468	ug/l #	83
47) Bromodichloromethane	6.54	83	95991	19.177	ug/l	97
48) Methyl methacrylate	6.86	41	22962	19.367	ug/l	87
49) 1,4-Dioxane	6.85	88	4212	412.319	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	119942	97.619	ug/l	98
52) Toluene	7.77	92	101684	20.595	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	68829	18.570	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	74373	19.479	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	30142	19.284	ug/l	96
56) Ethyl methacrylate	8.76	69	37325	22.388	ug/l #	83
57) 1,3-Dichloropropane	8.99	76	52671	19.242	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	23605	102.392	ug/l	100
59) 2-Hexanone	9.62	43	92470	102.298	ug/l	99
60) Dibromochloromethane	8.85	129	55316	18.635	ug/l	91
61) 1,2-Dibromoethane	9.13	107	34731	18.689	ug/l	98
64) Tetrachloroethene	8.30	164	45401	19.505	ug/l	94
65) Chlorobenzene	9.94	112	121413	20.916	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	57417	19.108	ug/l	93
67) Ethyl Benzene	10.03	91	252664	21.315	ug/l	98
68) m/p-Xylenes	10.26	106	156507	42.056	ug/l	93
69) o-Xylene	10.83	106	85006	20.363	ug/l	98
70) Styrene	10.89	104	128495	22.048	ug/l	93
71) Bromoform	10.88	173	30535	19.098	ug/l	98
73) Isopropylbenzene	11.22	105	290323	21.190	ug/l	99
74) N-amyl acetate	11.46	43	48074	19.759	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	46252	23.429	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	35765	20.750	ug/l	93
77) Bromobenzene	11.59	156	61416	21.501	ug/l	84
78) n-propylbenzene	11.68	91	348902	21.783	ug/l	94
79) 2-Chlorotoluene	11.81	91	196013	20.194	ug/l	89
80) 1,3,5-Trimethylbenzene	11.91	105	250270	20.800	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	16111m	22.222	ug/l	
82) 4-Chlorotoluene	11.99	91	222871	21.731	ug/l	98
83) tert-Butylbenzene	12.21	119	253922	20.892	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	246520	20.669	ug/l	98
85) sec-Butylbenzene	12.38	105	332125	20.362	ug/l	96
86) p-Isopropyltoluene	12.53	119	273146	19.711	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	119344	20.556	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	119476	21.244	ug/l	95
89) n-Butylbenzene	12.91	91	301707	20.468	ug/l	98
90) Hexachloroethane	12.99	117	74048	20.364	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	116138	20.857	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10511	20.886	ug/l #	58

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Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	89799	19.806	ug/l	97
94) Hexachlorobutadiene	14.26	225	64107	18.905	ug/l	94
95) Naphthalene	14.52	128	136056	19.026	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	85154	20.419	ug/l	88

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

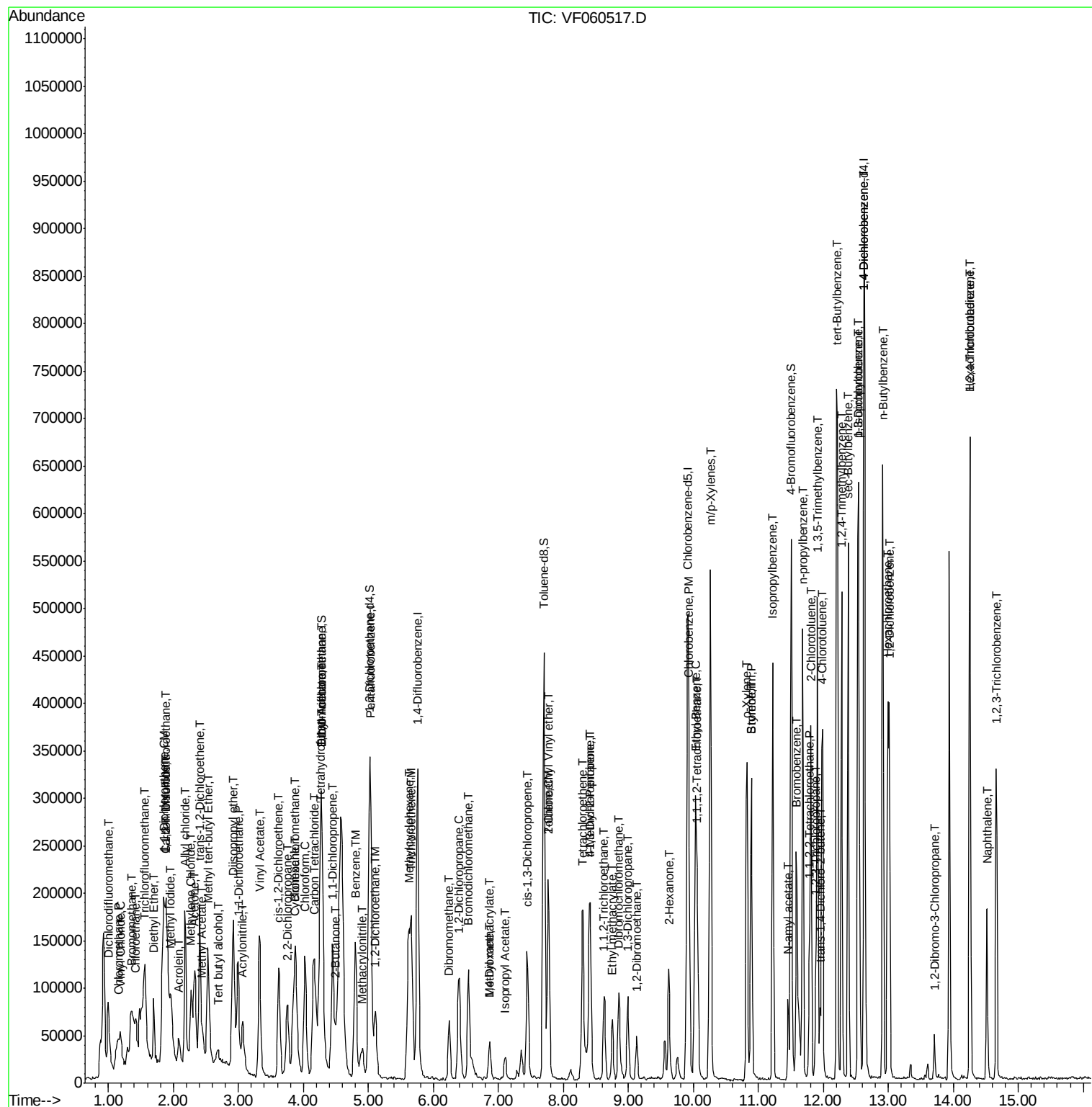
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Operator : VA/AP
Sample : VF1026SBS01
Misc : 5.00/5mL/MSVOA F/SOIL
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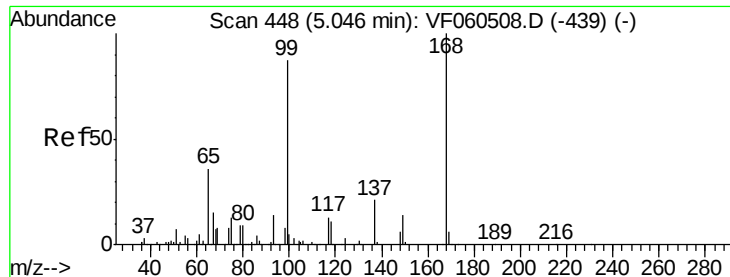
Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion:168 Resp: 194733

Ion Ratio Lower Upper

168 100

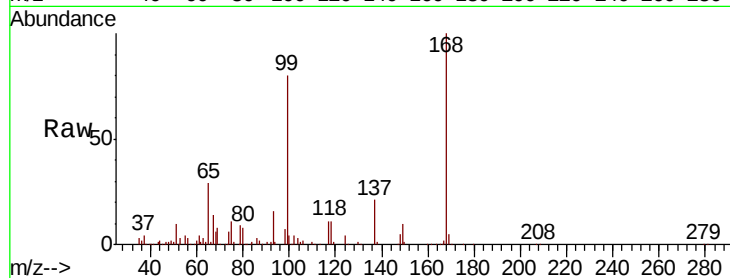
99 79.6 69.9 104.9

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

5.04

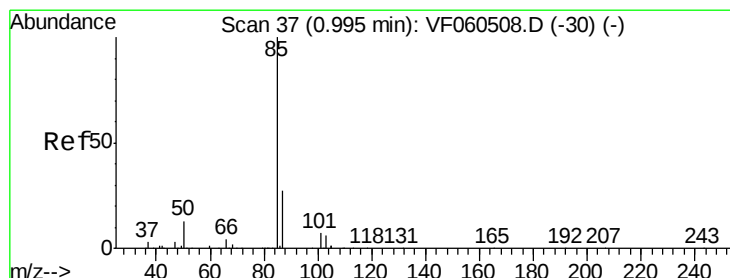
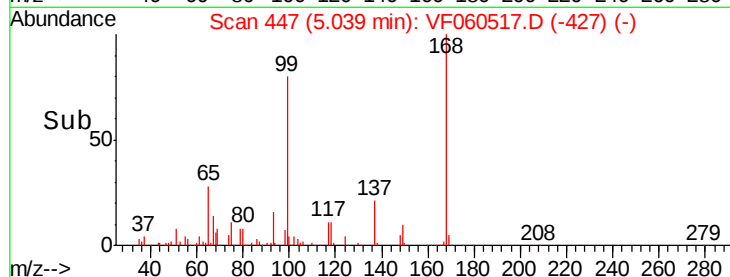
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.427 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060517.D

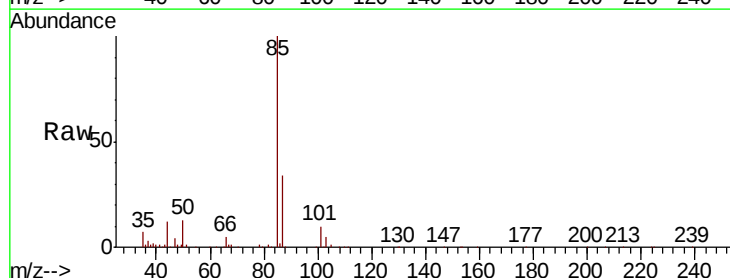
Acq: 26 Oct 2018 15:35

Tgt Ion: 85 Resp: 120814

Ion Ratio Lower Upper

85 100

87 34.1 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

40000

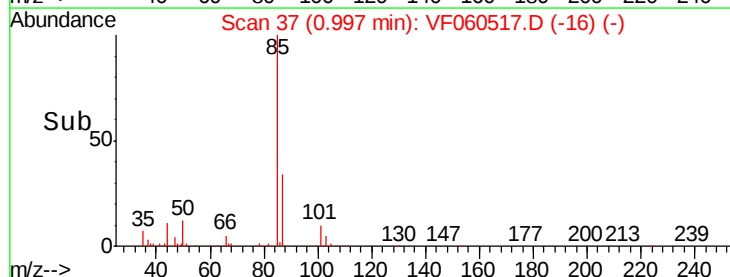
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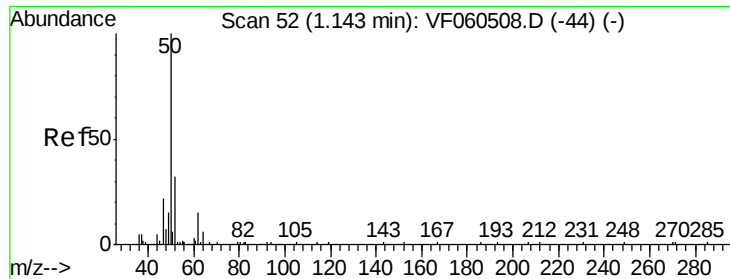
20000

10000

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Time-->





#3

Chloromethane

Concen: 22.646 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 50 Resp: 55726

Ion Ratio Lower Upper

50 100

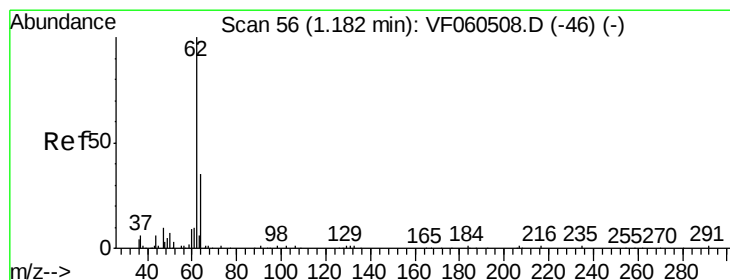
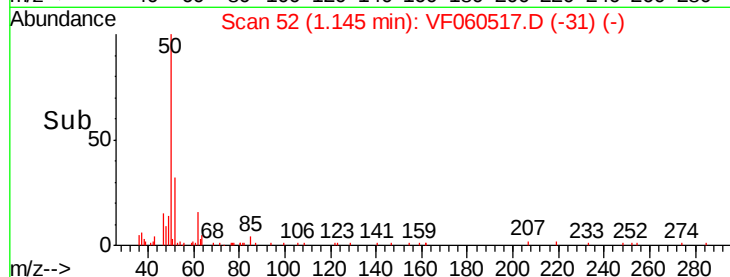
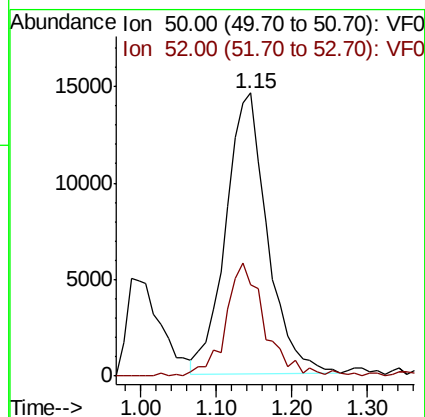
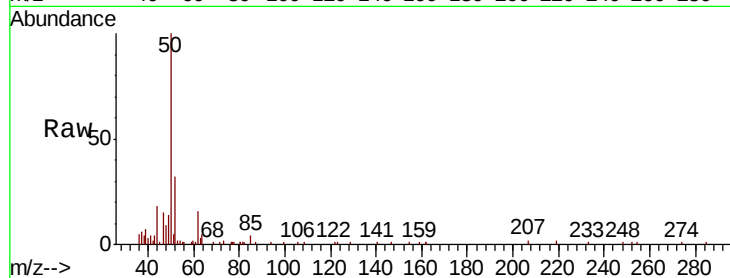
52 32.3 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.774 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060517.D

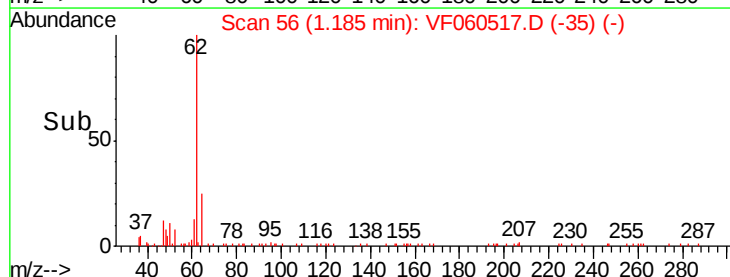
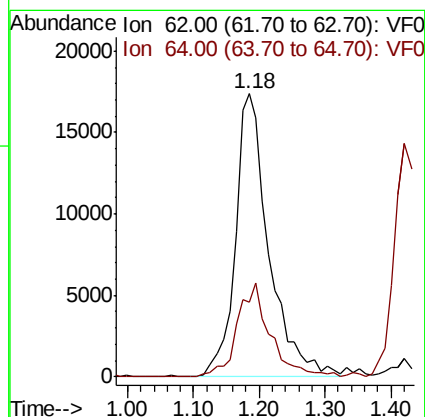
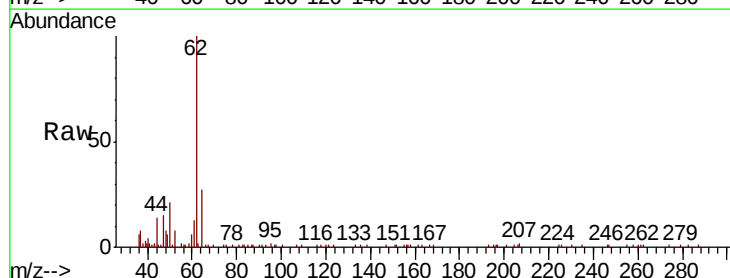
Acq: 26 Oct 2018 15:35

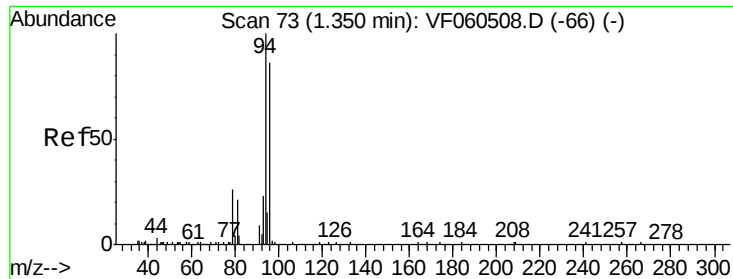
Tgt Ion: 62 Resp: 61843

Ion Ratio Lower Upper

62 100

64 26.5 27.8 41.8#





#5

Bromomethane

Concen: 19.385 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

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ClientSampleId :

VF1026SBS01

Tot Ion: 94 Resp: 55451

Ion Ratio Lower Upper

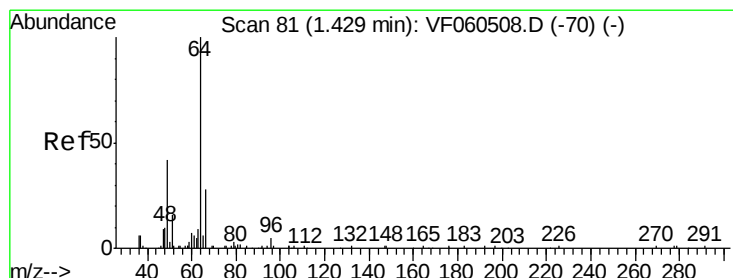
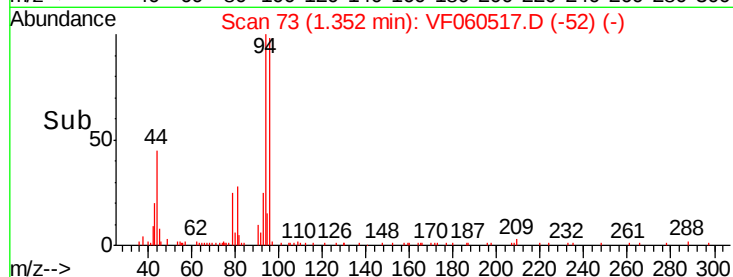
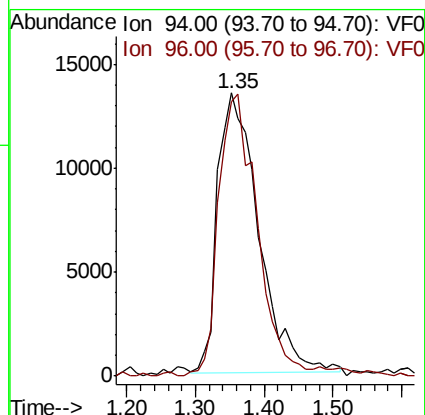
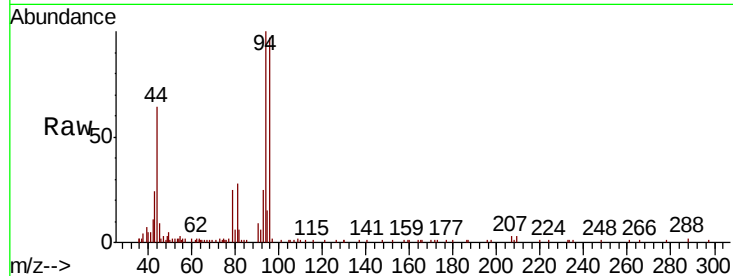
94 100

96 97.0 70.6 105.8

Manual Integrations
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#6

Chloroethane

Concen: 21.205 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060517.D

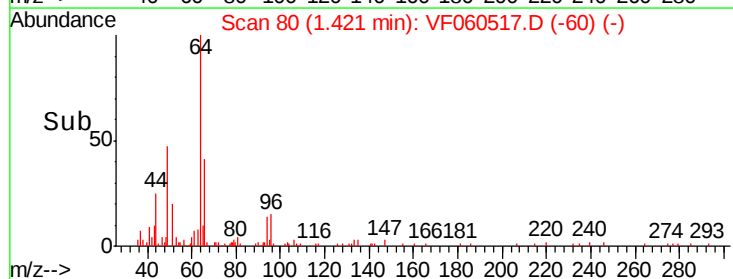
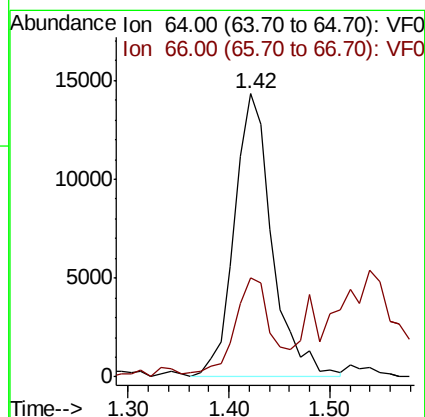
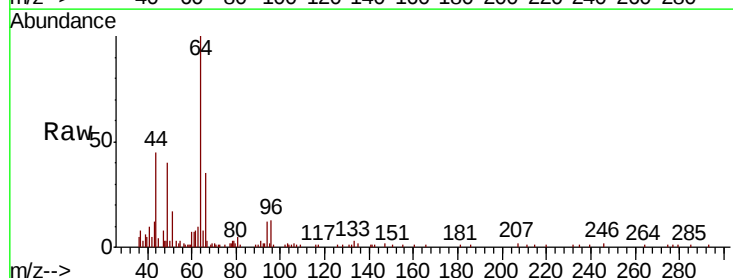
Acq: 26 Oct 2018 15:35

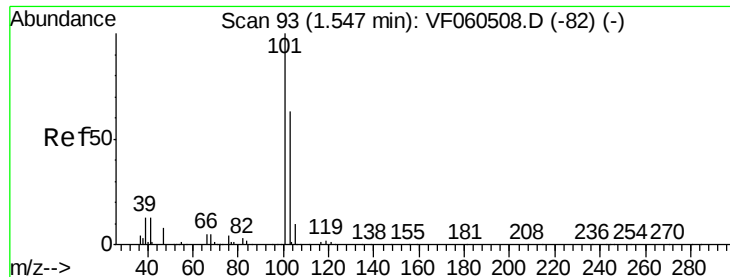
Tgt Ion: 64 Resp: 37333

Ion Ratio Lower Upper

64 100

66 35.0 22.4 33.6#





#7

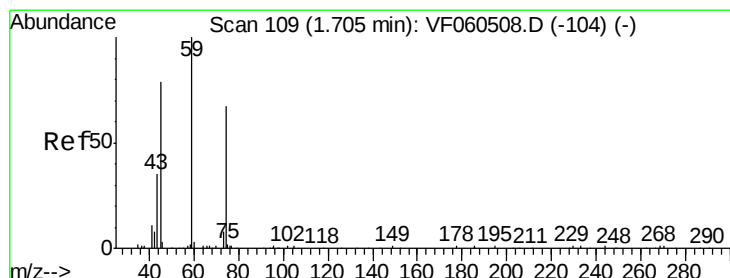
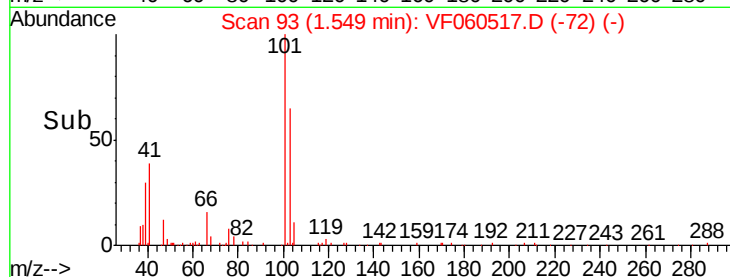
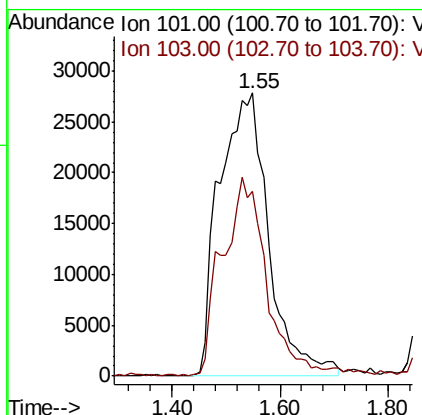
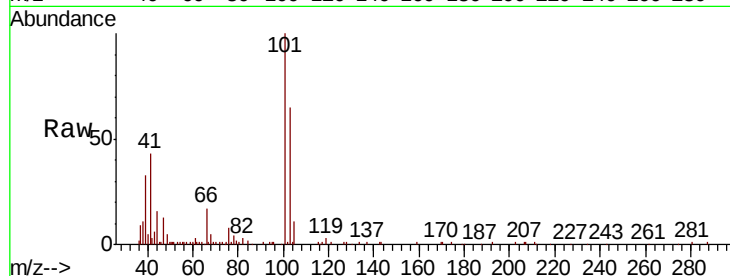
Trichlorofluoromethane
Concen: 19.379 ug/l
RT: 1.55 min Scan# 93
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.4	75.6

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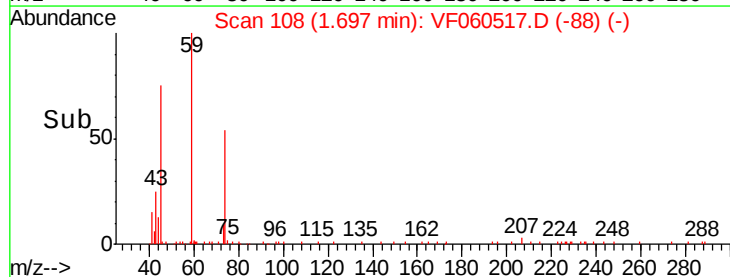
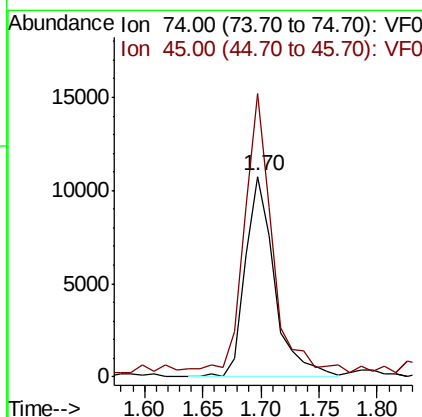
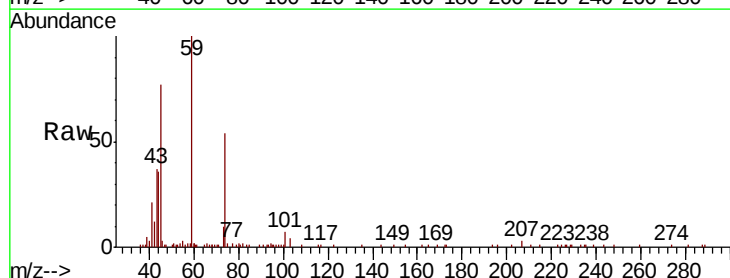
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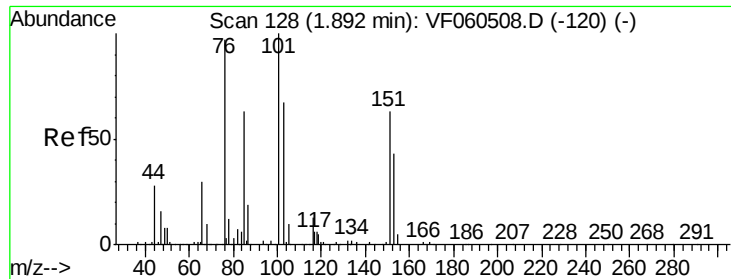


#8

Diethyl Ether
Concen: 22.014 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.3	62.1	186.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.968 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

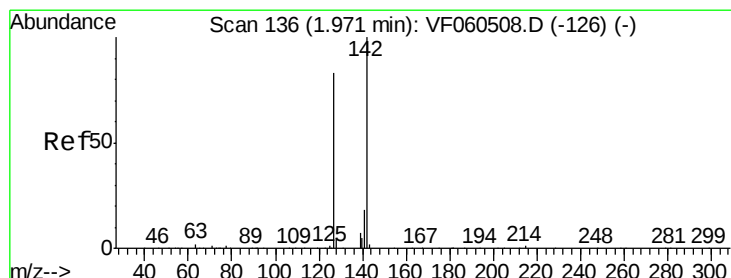
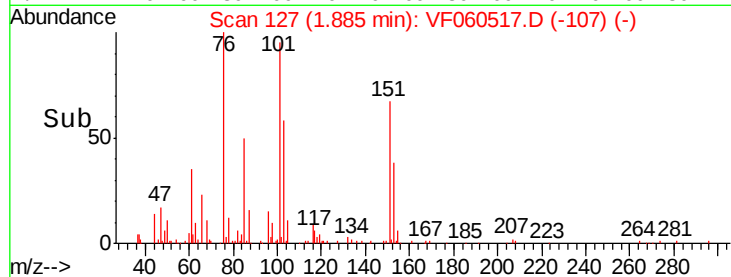
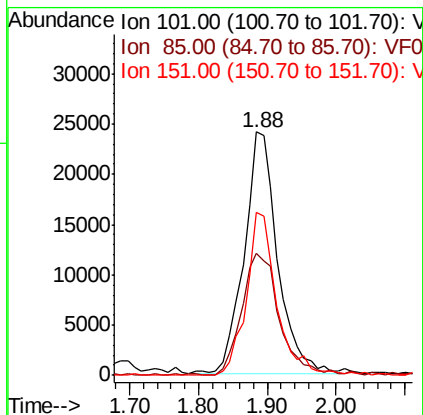
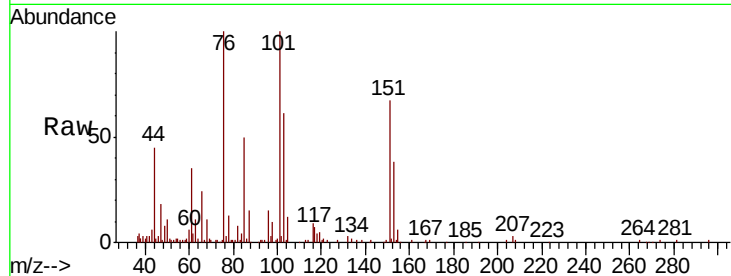
ClientSampleId :

VF1026SBS01

Tot Ion:	101	Resp:	80744
Ion Ratio	Lower	Upper	
101	100		
85	50.1	49.9	74.9
151	66.9	50.6	76.0

Manual Integrations
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#10

Methyl Iodide

Concen: 21.033 ug/l

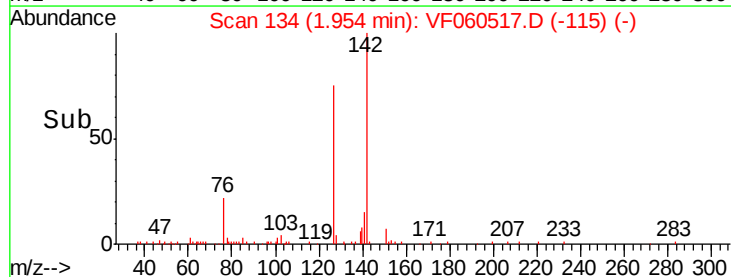
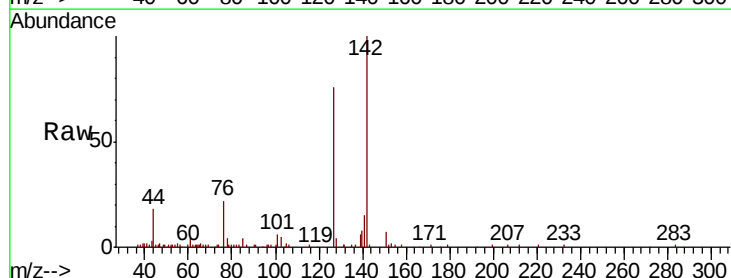
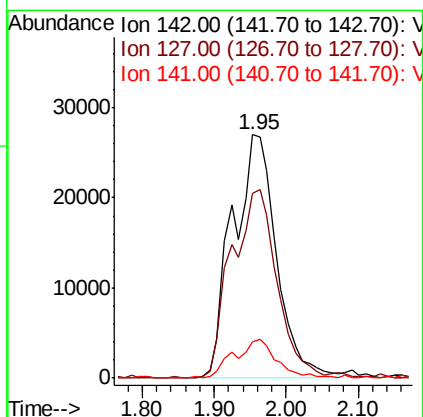
RT: 1.95 min Scan# 134

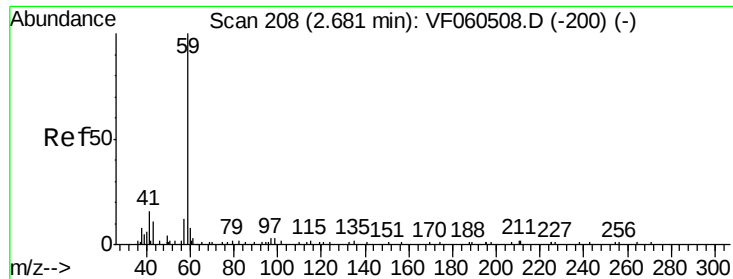
Delta R.T. -0.02 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion:	142	Resp:	114440
Ion Ratio	Lower	Upper	
142	100		
127	76.0	66.5	99.7
141	15.0	14.2	21.4





#11

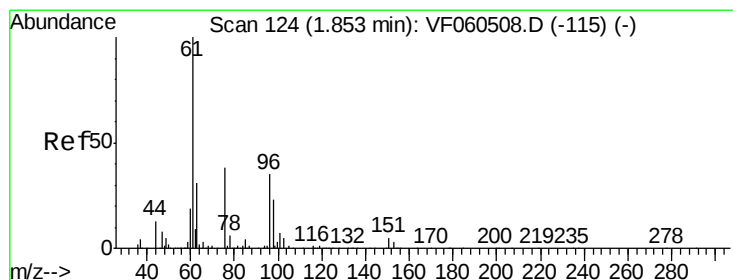
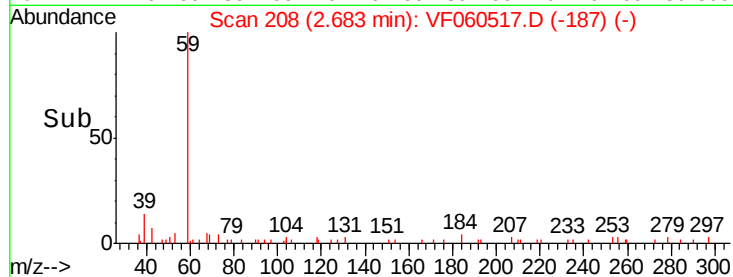
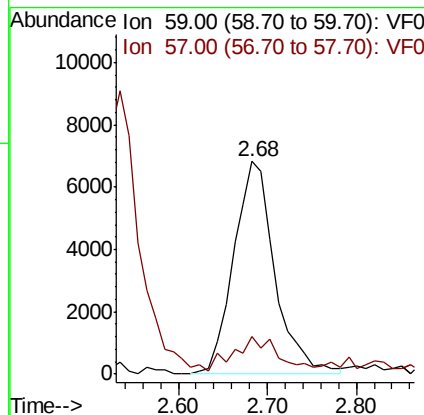
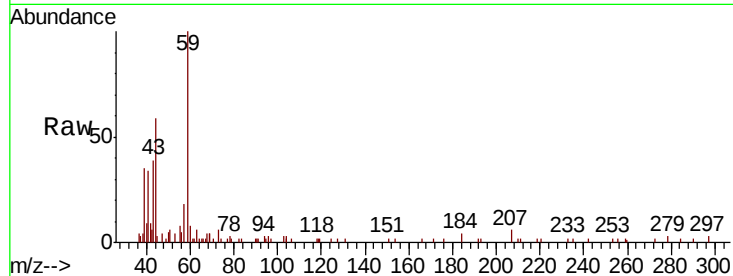
Tert butyl alcohol
 Concen: 116.466 ug/l
 RT: 2.68 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	59	Resp	21974
Ion Ratio	100	Lower	Upper
57	17.9	15.8	23.8

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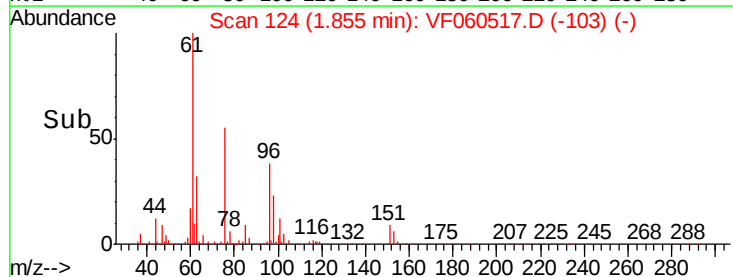
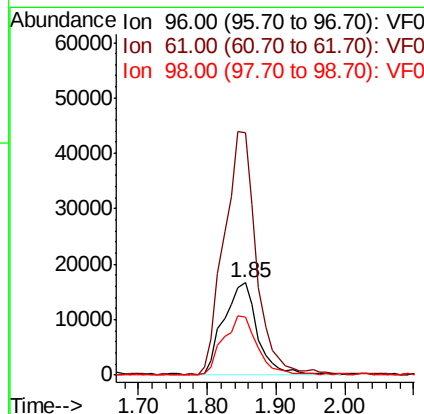
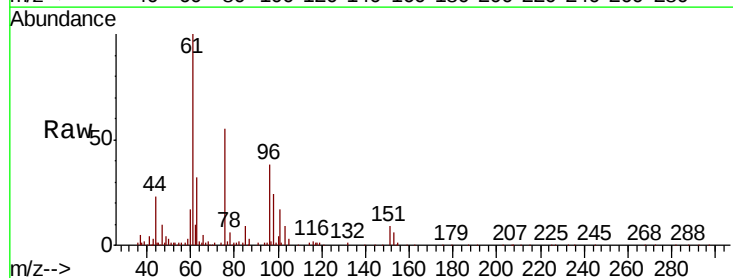
apatel
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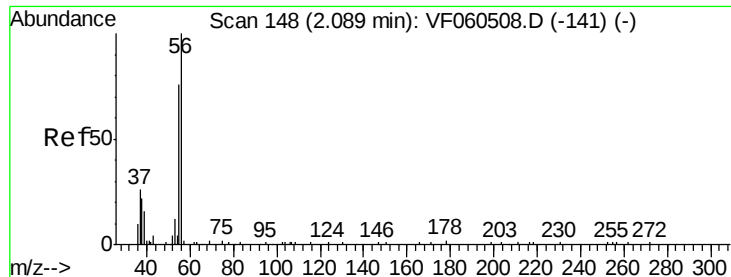


#12

1,1-Dichloroethene
 Concen: 20.748 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	96	Resp	57523
Ion Ratio	100	Lower	Upper
61	249.0	231.4	347.0
98	59.3	53.3	79.9





#13

Acrolein

Concen: 98.521 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 56 Resp: 16960

Ion Ratio Lower Upper

56 100

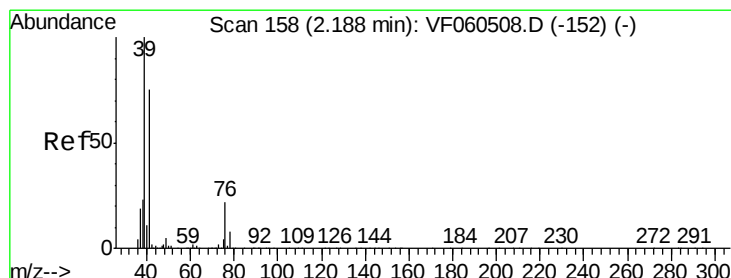
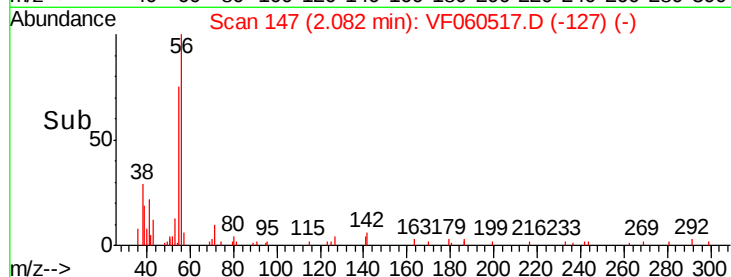
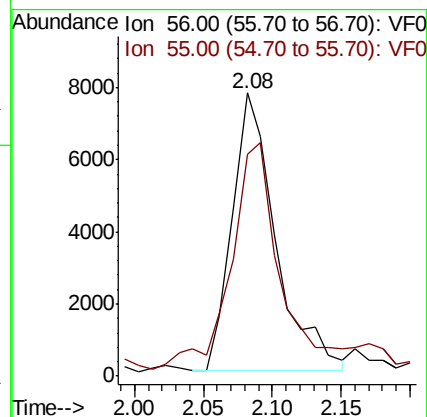
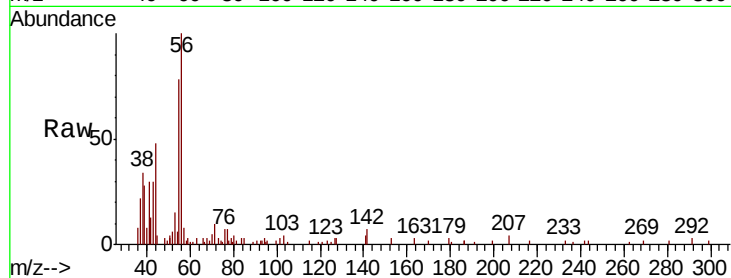
55 78.3 63.0 94.4

Manual Integrations

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#14

Allyl chloride

Concen: 22.030 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

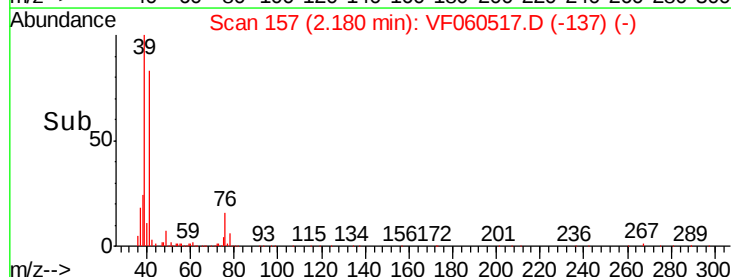
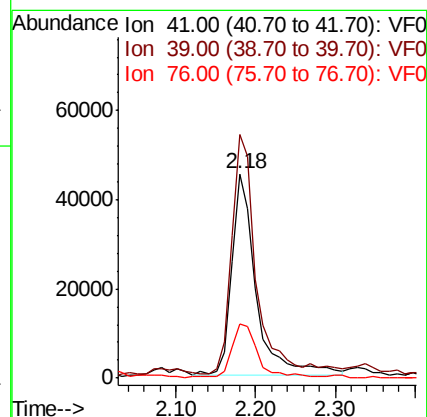
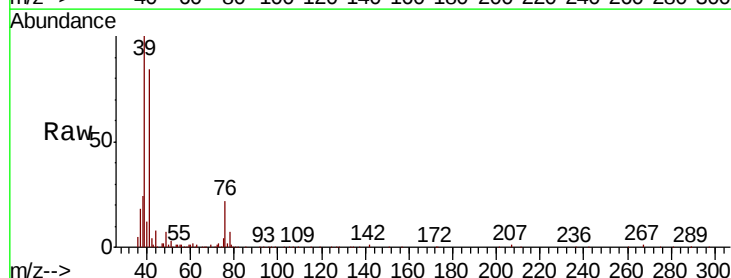
Tgt Ion: 41 Resp: 97762

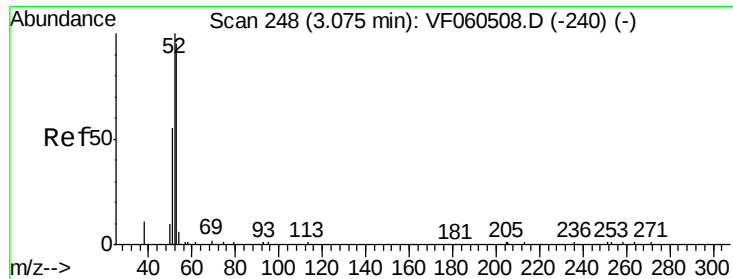
Ion Ratio Lower Upper

41 100

39 119.2 106.0 159.0

76 26.7 24.1 36.1





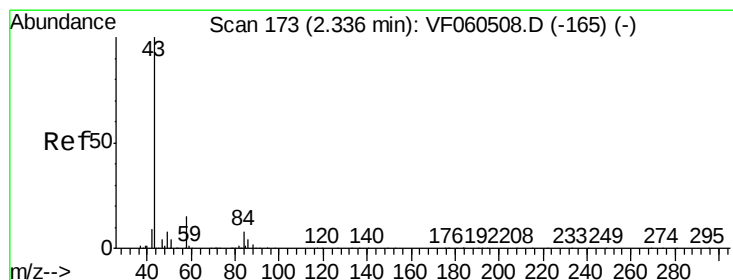
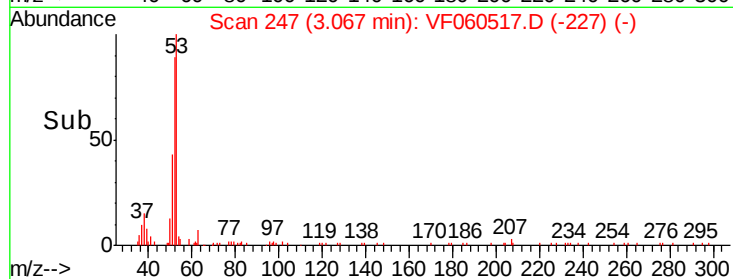
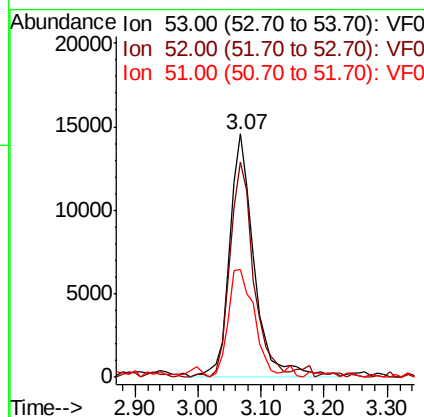
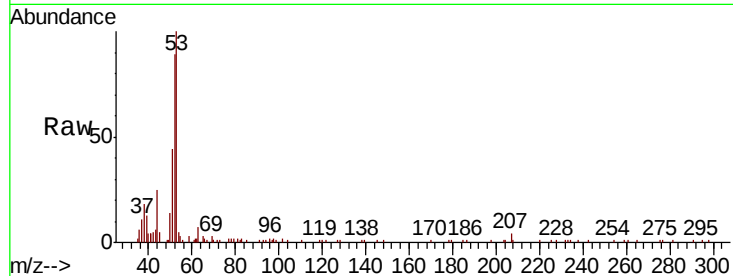
#15
 Acrylonitrile
 Concen: 126.022 ug/l
 RT: 3.07 min Scan# 247
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	88.7	84.0	126.0
51	44.5	48.6	73.0#

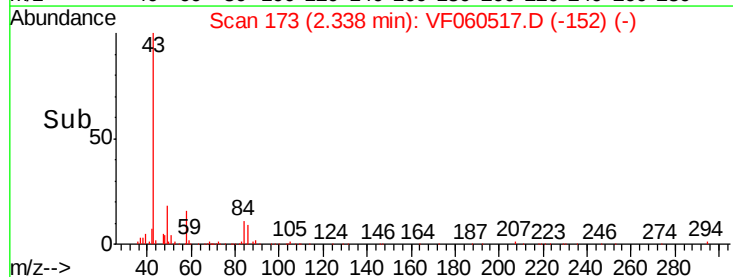
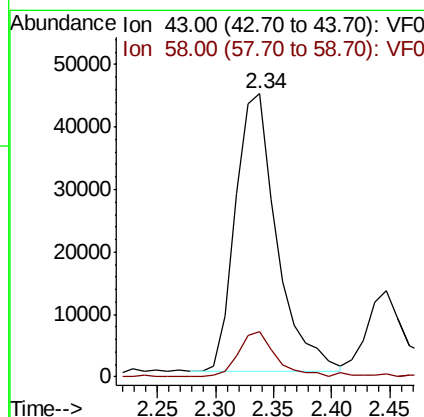
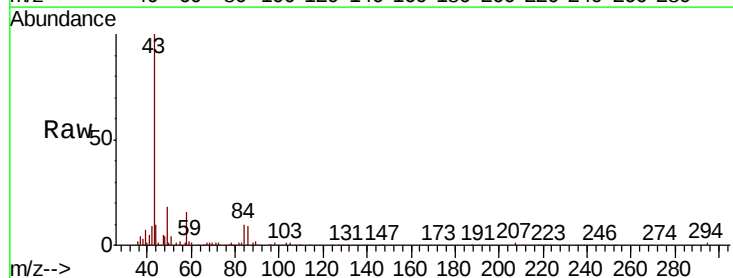
Manual Integrations
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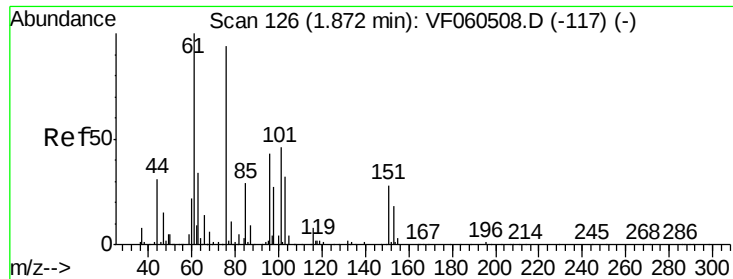
apatel
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#16
 Acetone
 Concen: 129.318 ug/l
 RT: 2.34 min Scan# 173
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.1	11.7	17.5





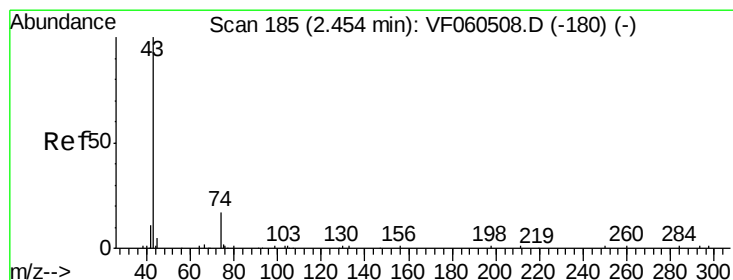
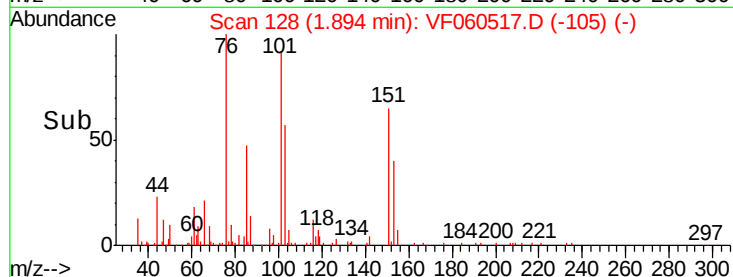
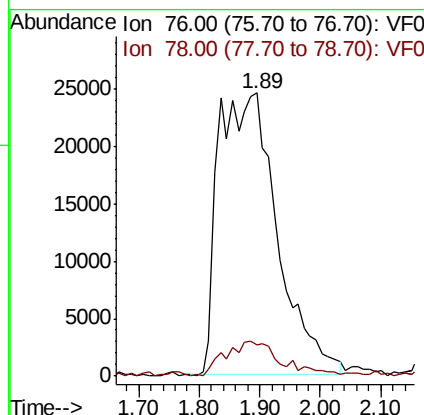
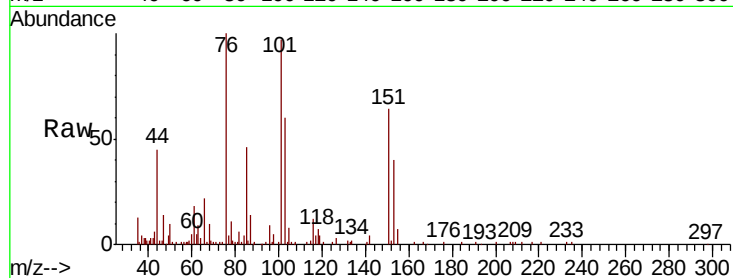
#17
Carbon Disulfide
Concen: 21.821 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.02 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion: 76 Resp: 165760
Ion Ratio Lower Upper
76 100
78 11.1 9.2 13.8

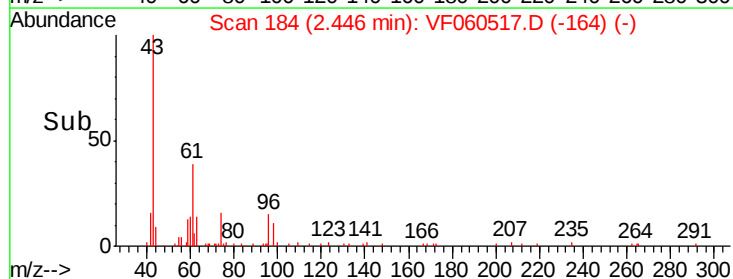
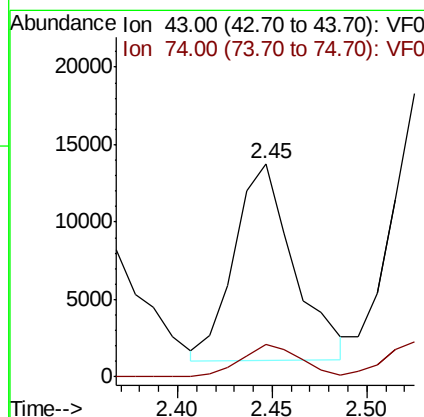
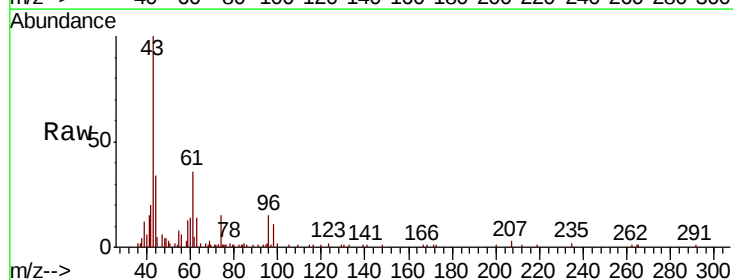
Manual Integrations
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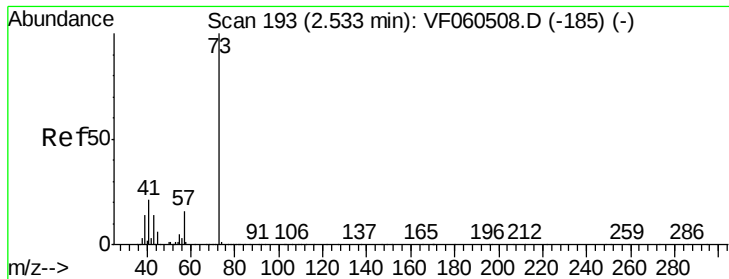
apatel
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#18
Methyl Acetate
Concen: 21.829 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion: 43 Resp: 27745
Ion Ratio Lower Upper
43 100
74 15.0 12.1 18.1





#19

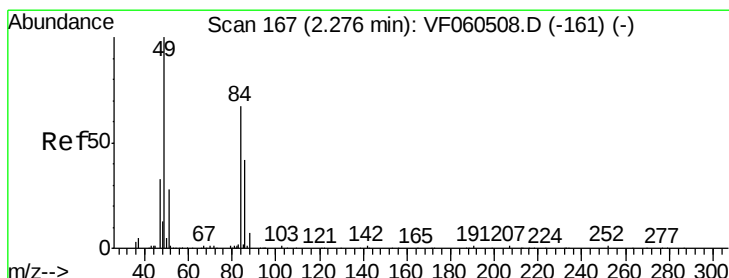
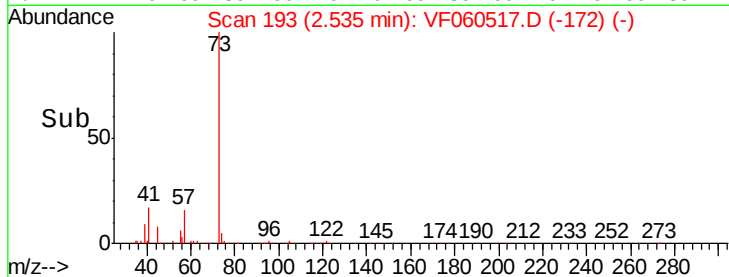
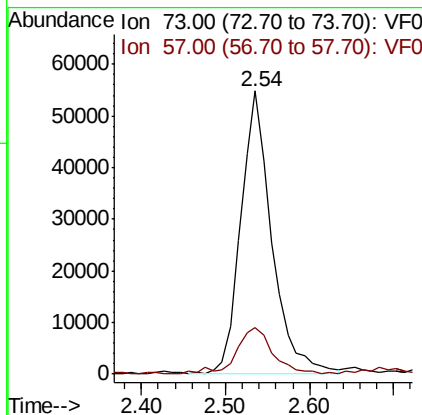
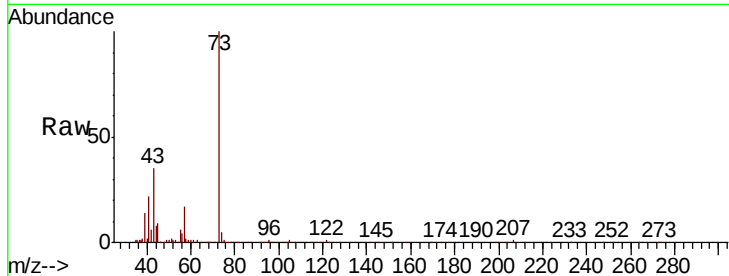
Methyl tert-butyl Ether
 Concen: 20.096 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.6	13.3	19.9

Manual Integrations
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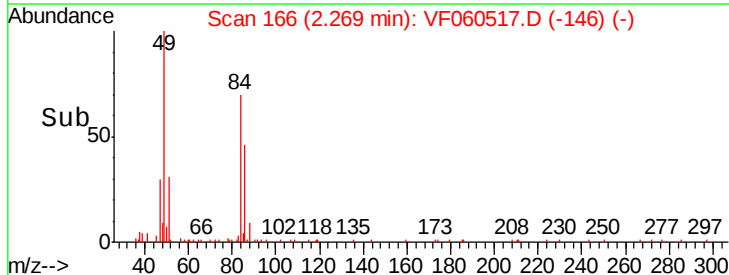
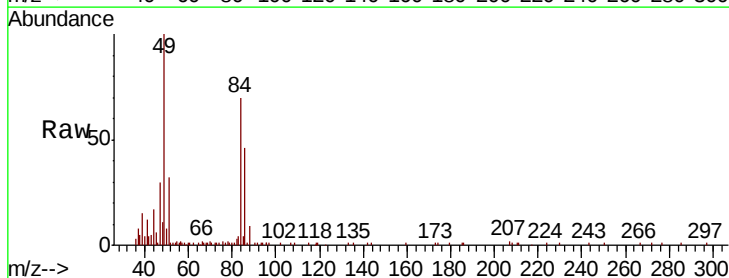
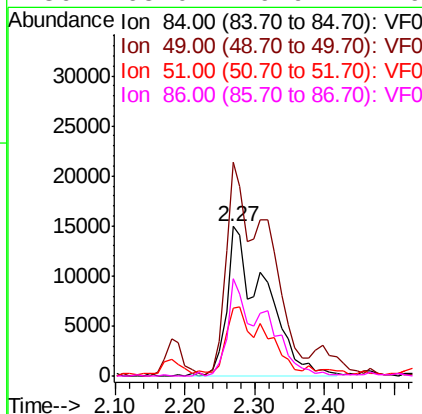
apatel
 10/29/2018 12:12:02 PM

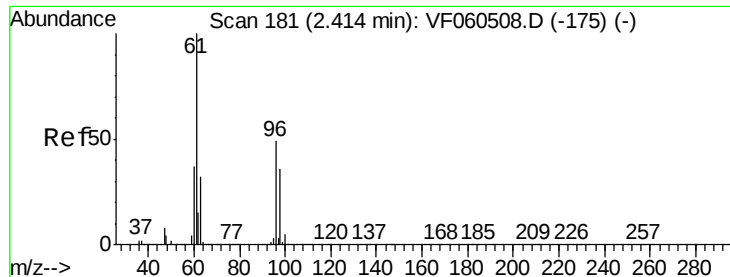


#20

Methylene Chloride
 Concen: 21.863 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.6	123.1	184.7
51	45.7	35.3	52.9
86	65.0	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 22.487 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

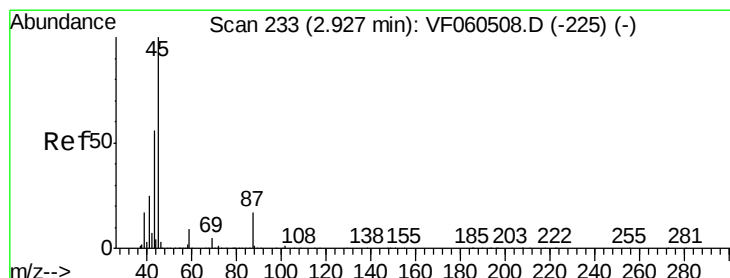
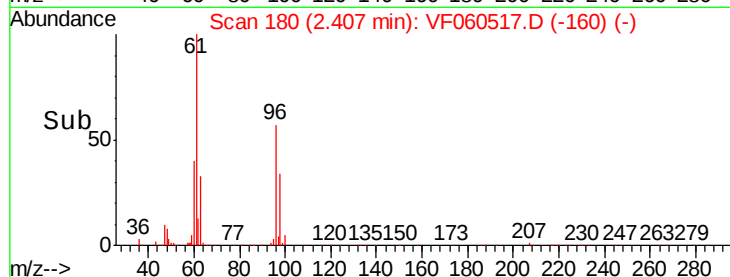
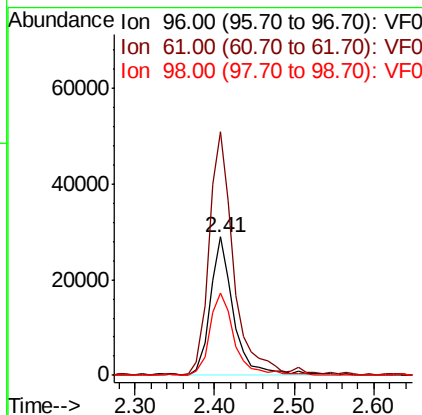
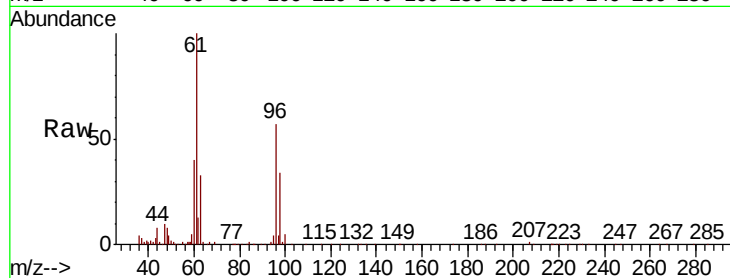
ClientSampleId :

VF1026SBS01

Tot Ion:	96	Resp:	59470
Ion Ratio	Lower	Upper	
96	100		
61	175.8	162.5	243.7
98	59.5	58.5	87.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.623 ug/l

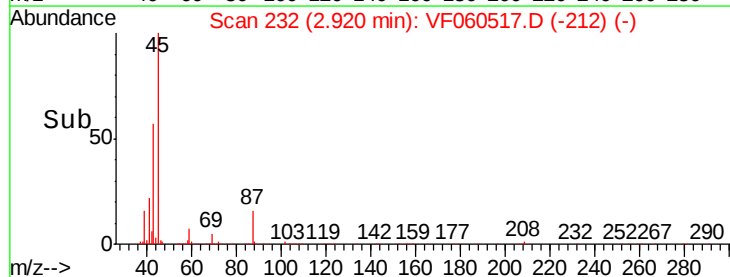
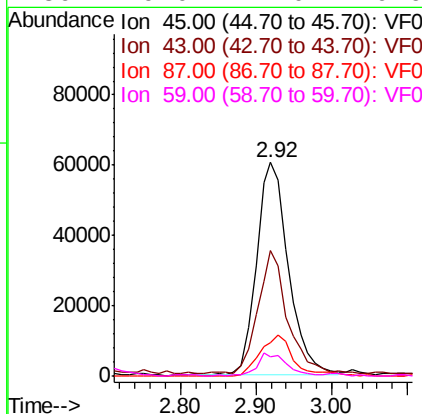
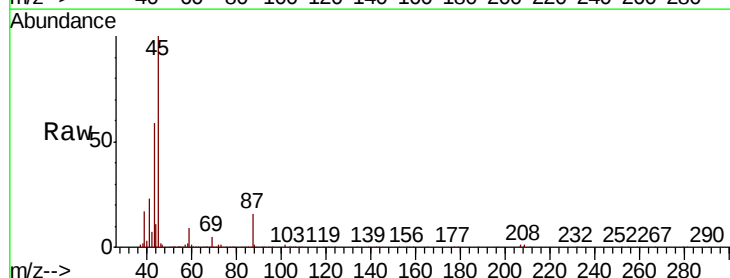
RT: 2.92 min Scan# 232

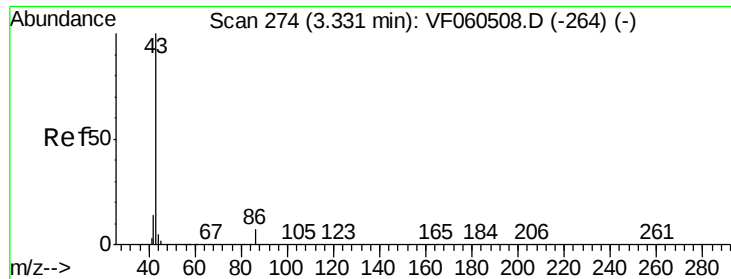
Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion:	45	Resp:	178062
Ion Ratio	Lower	Upper	
45	100		
43	59.0	45.2	67.8
87	15.9	13.4	20.2
59	9.0	7.0	10.6





#23

Vinyl Acetate

Concen: 124.801 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 43 Resp: 310714

Ion Ratio Lower Upper

43 100

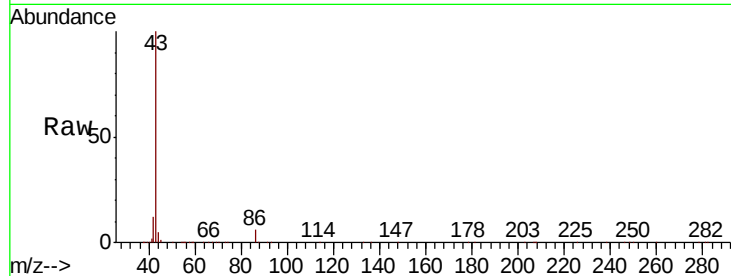
86 6.3 5.3 7.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

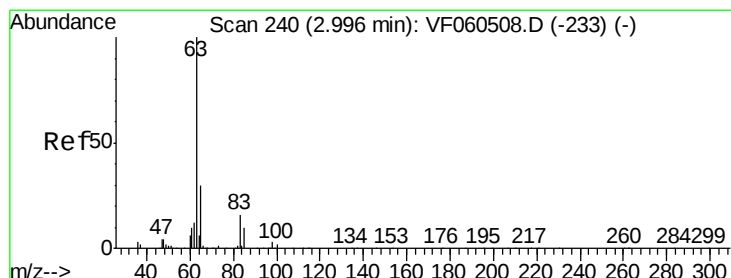
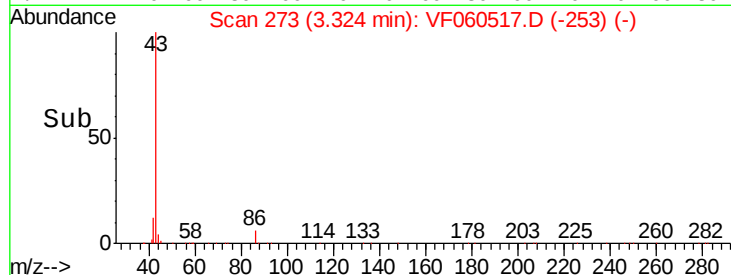
3.32

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.122 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

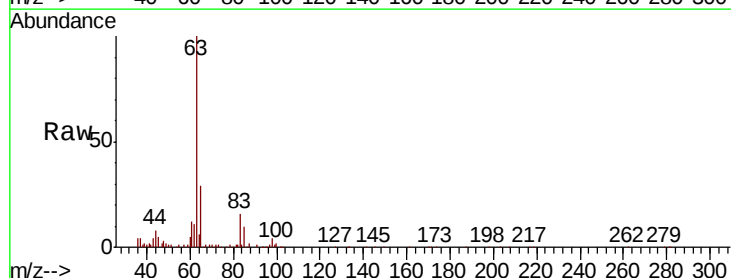
Tgt Ion: 63 Resp: 126780

Ion Ratio Lower Upper

63 100

98 4.2 1.7 5.0

100 2.4 1.1 3.3



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

2.99

60000

50000

40000

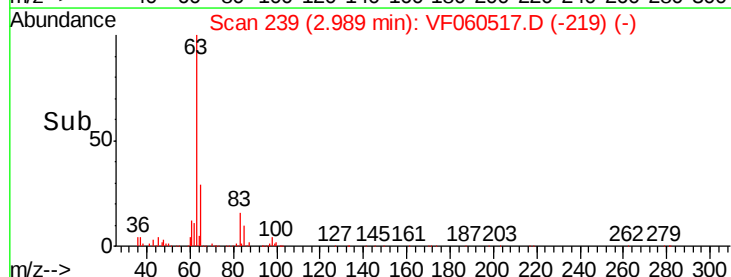
30000

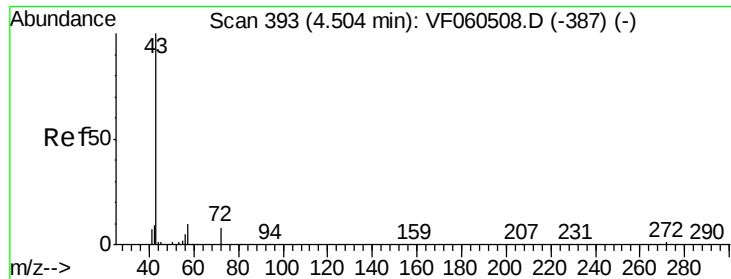
20000

10000

0

Time-->





#25

2-Butanone

Concen: 155.436 ug/l

RT: 4.50 min Scan# 392

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 43 Resp: 106837

Ion Ratio Lower Upper

43 100

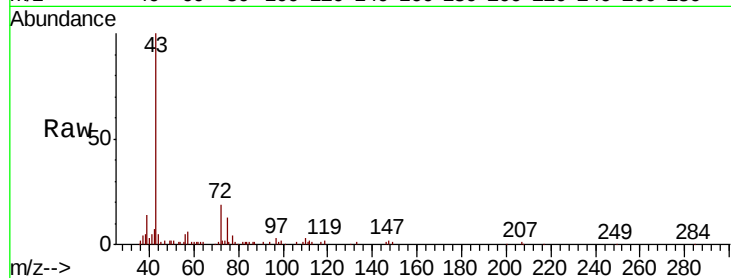
72 19.2 13.0 19.6

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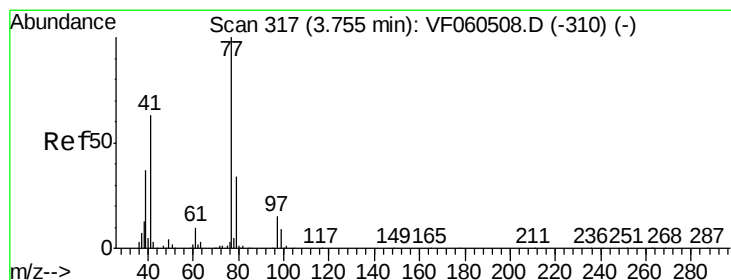
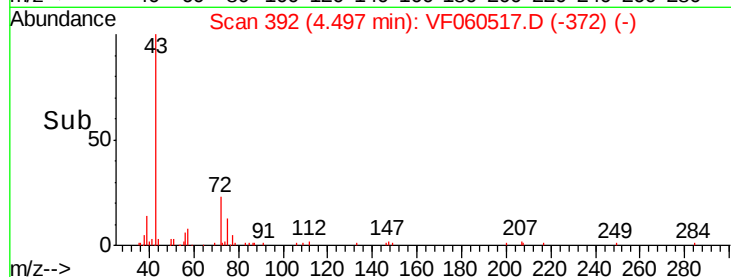
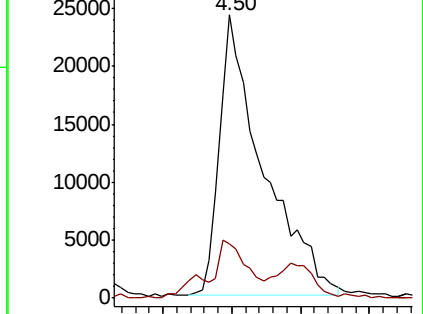
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 20.378 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060517.D

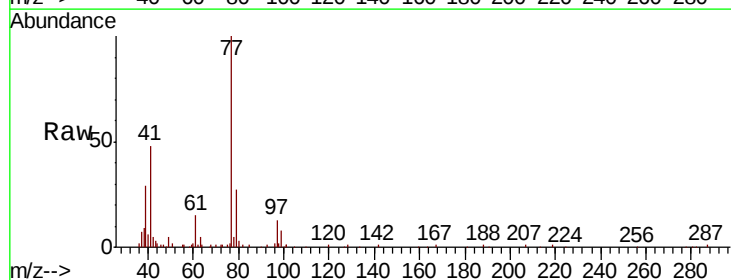
Acq: 26 Oct 2018 15:35

Tgt Ion: 77 Resp: 80899

Ion Ratio Lower Upper

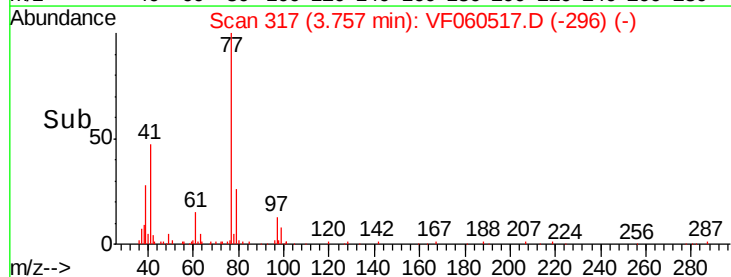
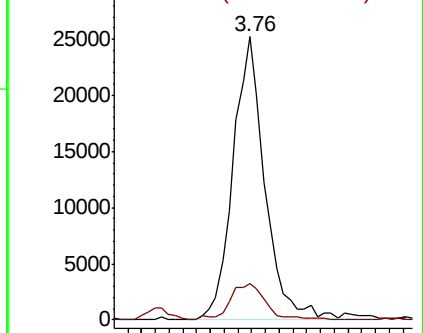
77 100

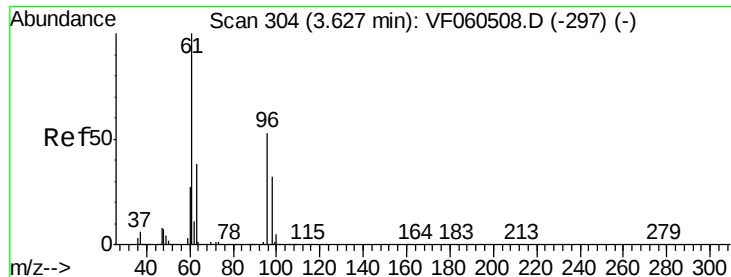
97 13.0 7.9 23.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

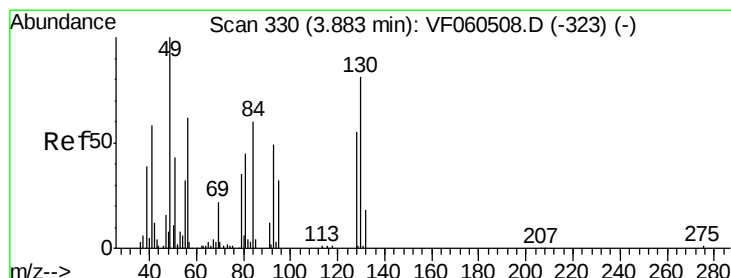
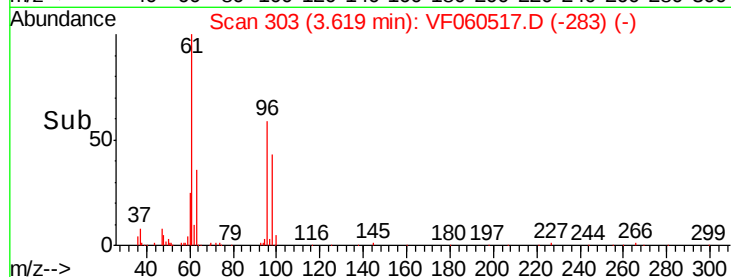
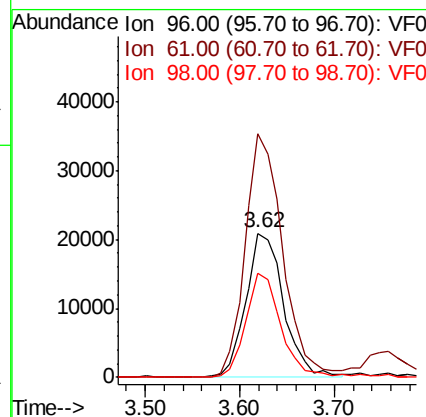
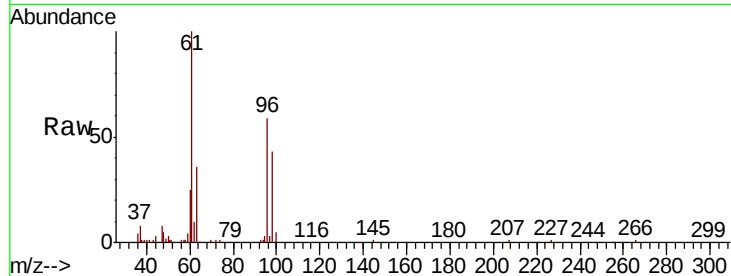
cis-1,2-Dichloroethene
Concen: 22.948 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	57930		
61	168.6		0.0	377.0
98	72.2		0.0	122.4

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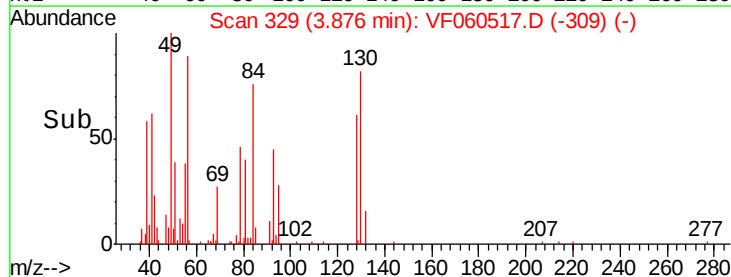
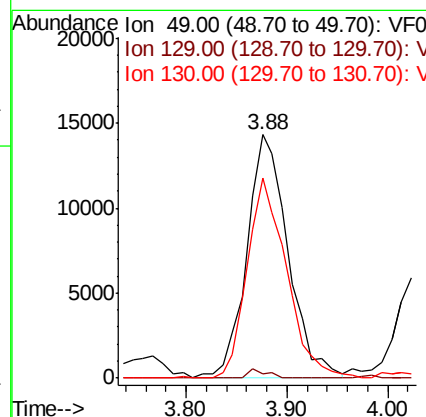
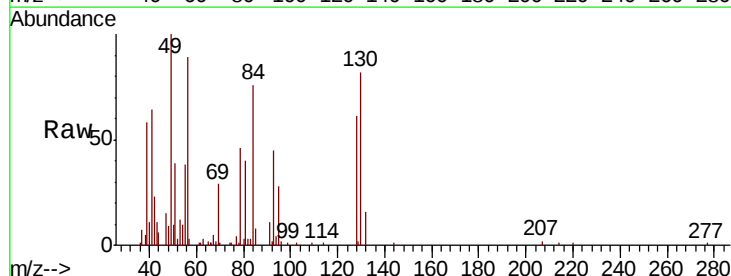
apatel
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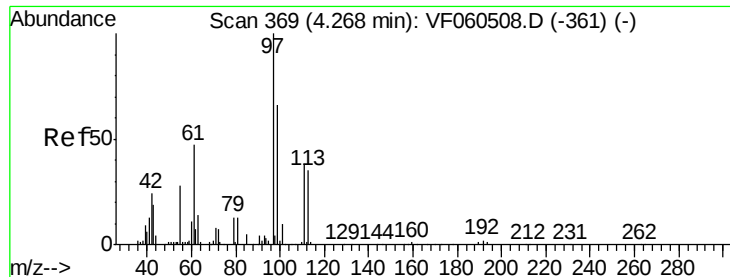


#28

Bromochloromethane
Concen: 23.084 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	40769		
129	1.7		0.0	2.0
130	82.4		65.0	97.4





#29

Tetrahydrofuran

Concen: 133.031 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

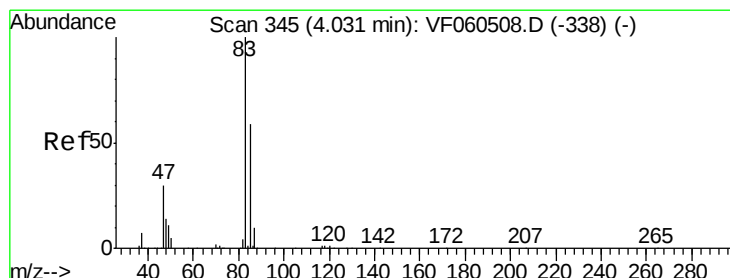
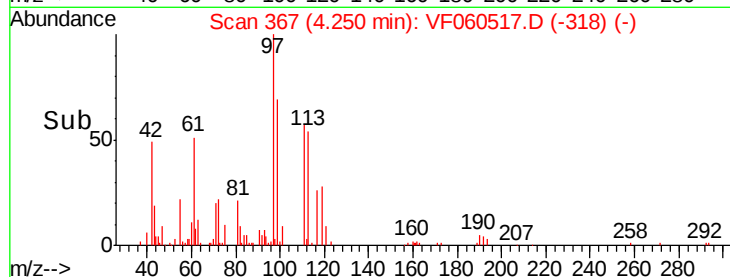
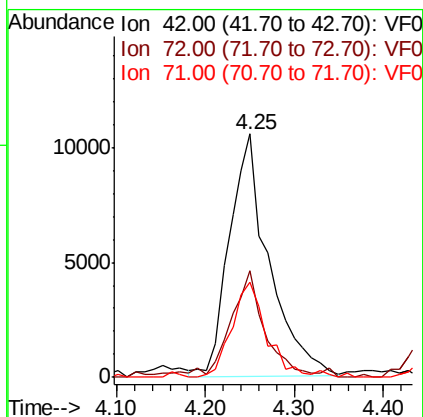
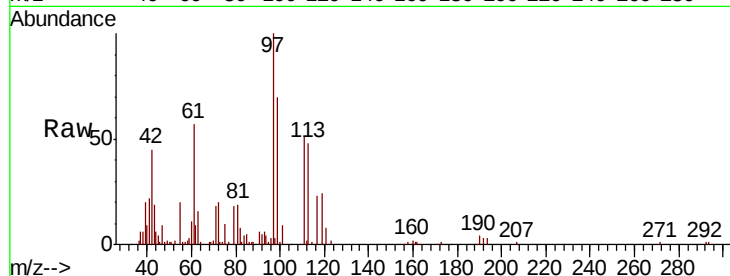
ClientSampleId :

VF1026SBS01

Tot Ion:	42	Resp:	32710
Ion Ratio	Lower	Upper	
42	100		
72	40.3	32.1	48.1
71	34.1	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 21.437 ug/l

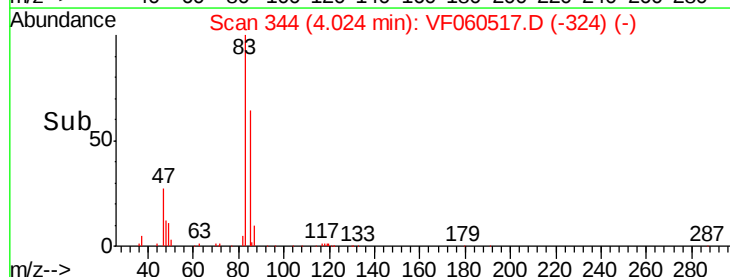
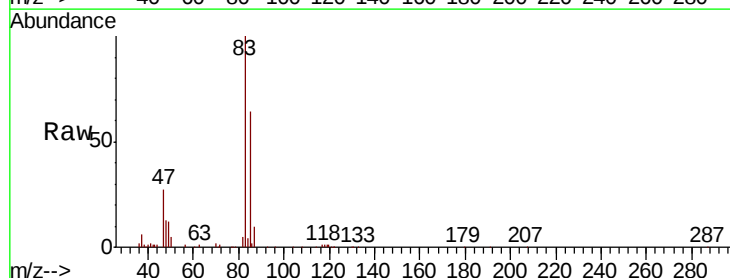
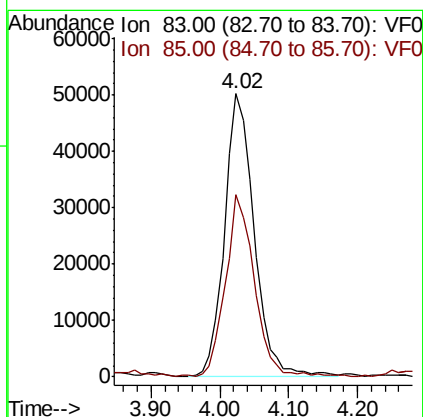
RT: 4.02 min Scan# 344

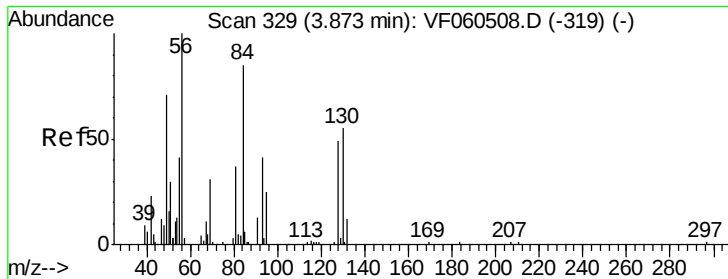
Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion:	83	Resp:	148398
Ion Ratio	Lower	Upper	
83	100		
85	65.9	47.4	71.2





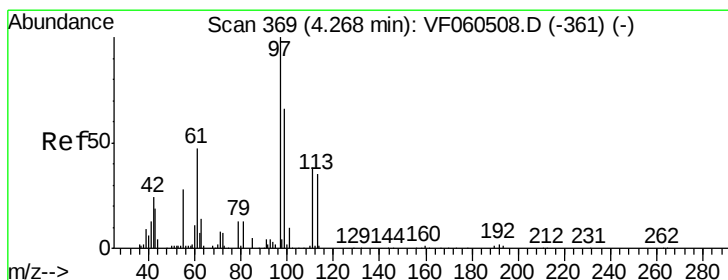
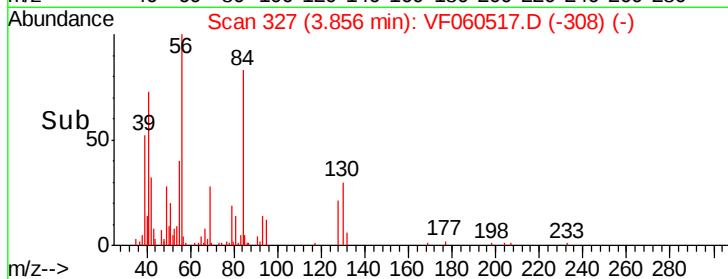
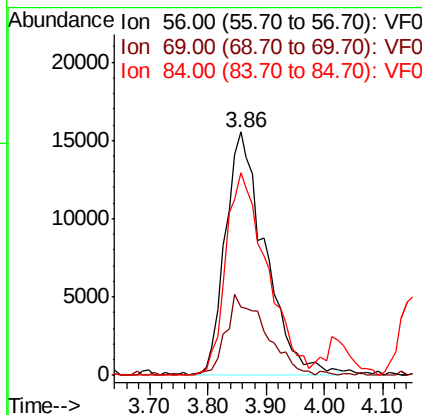
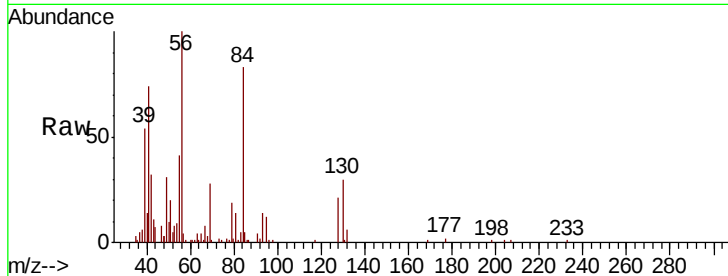
#31
Cyclohexane
Concen: 25.094 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	24.6	37.0
84	83.3	68.2	102.2

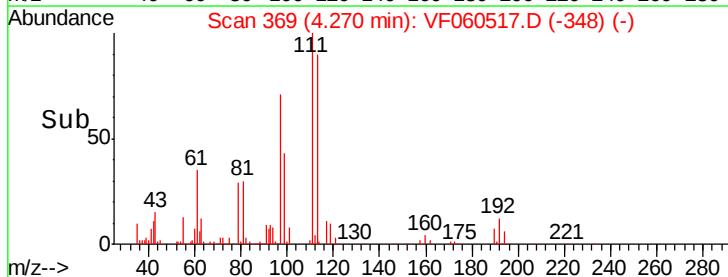
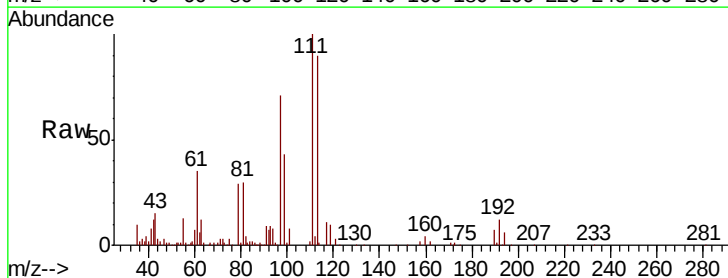
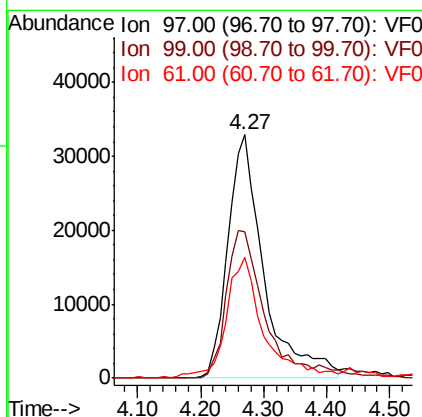
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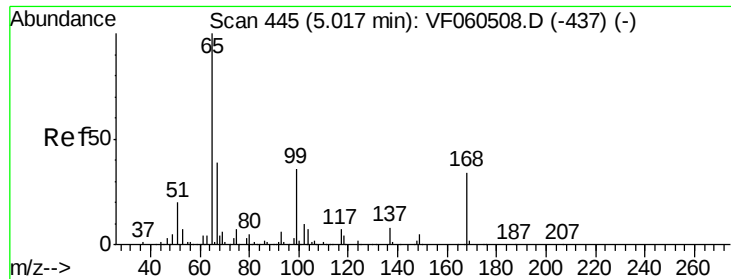
apatel
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#32
1,1,1-Trichloroethane
Concen: 20.379 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.2	53.0	79.6
61	49.8	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 47.932 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 65 Resp: 185517

Ion Ratio Lower Upper

65 100

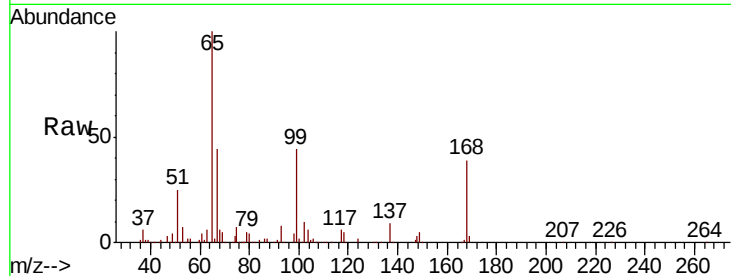
67 43.5 0.0 85.8

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

80000

60000

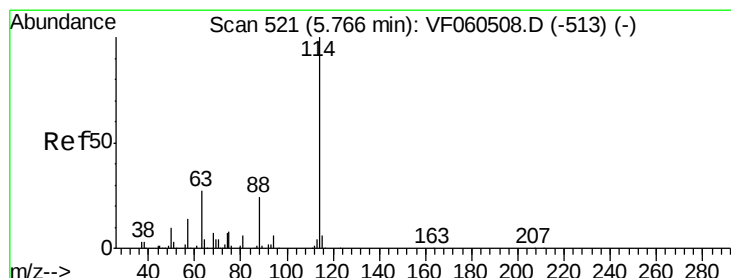
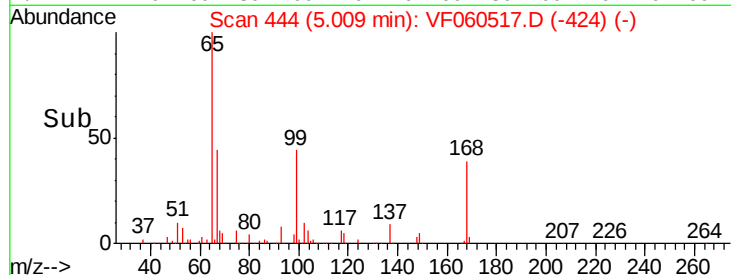
40000

20000

0

Time-->

4.90 5.01 5.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

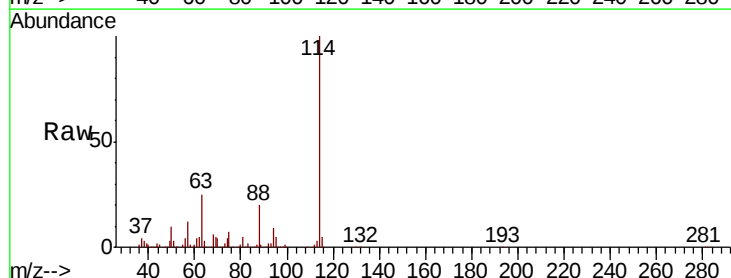
Tgt Ion: 114 Resp: 308358

Ion Ratio Lower Upper

114 100

63 25.0 0.0 54.4

88 20.4 0.0 47.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

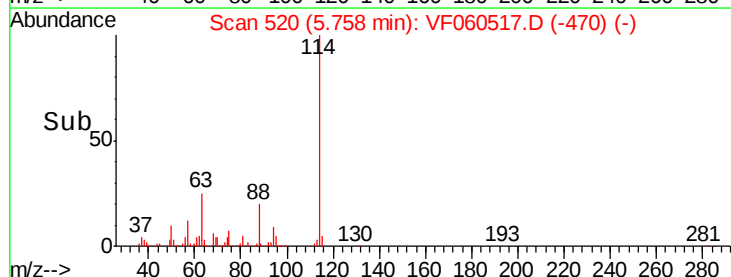
100000

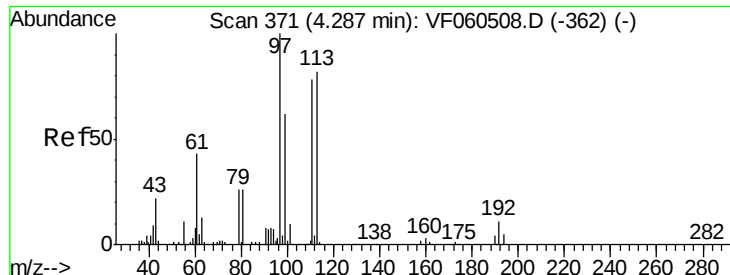
50000

0

Time-->

5.60 5.70 5.80 5.90





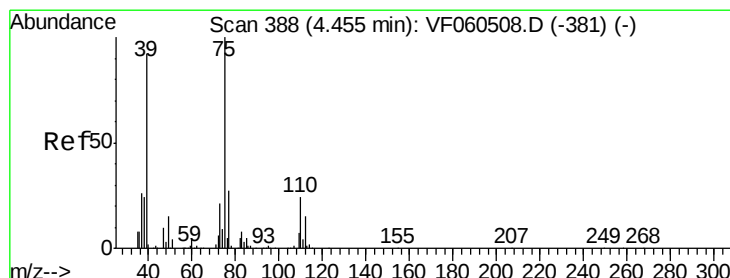
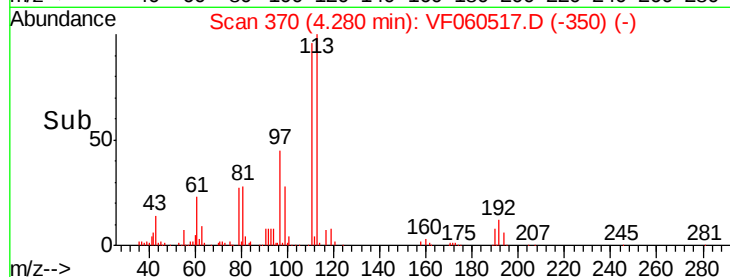
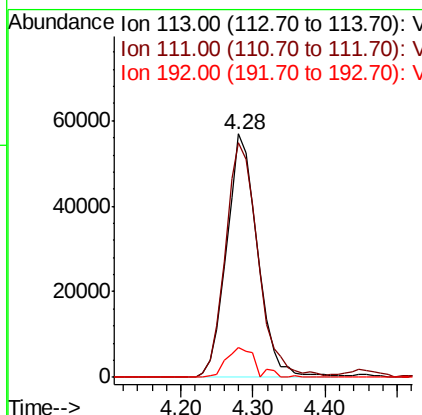
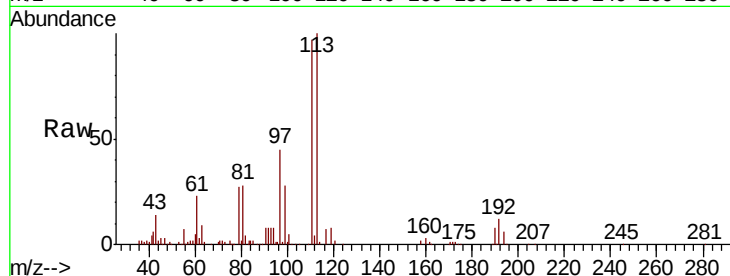
#35
 Dibromofluoromethane
 Concen: 46.063 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170259		
111	96.5		75.9	113.9
192	12.0		10.6	15.8

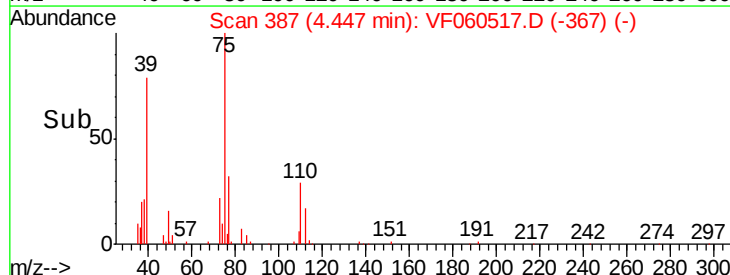
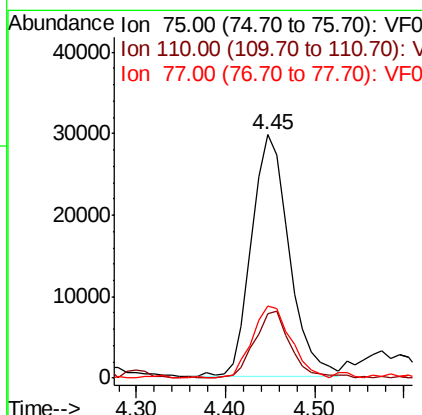
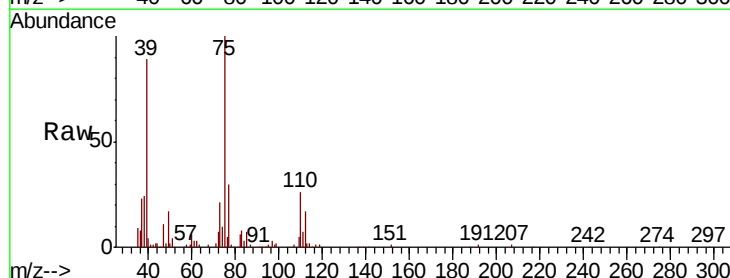
Manual Integrations
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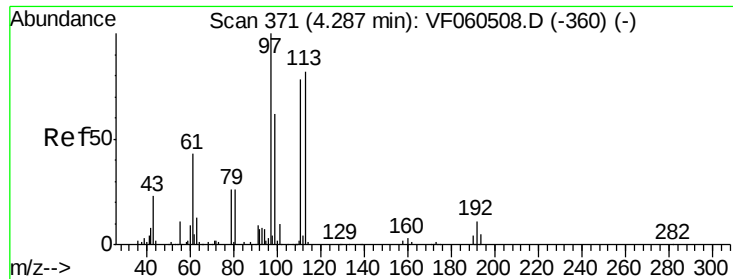
apatel
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#36
 1,1-Dichloropropene
 Concen: 18.997 ug/l
 RT: 4.45 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86698		
110	26.3		12.1	36.3
77	29.8		21.8	32.6





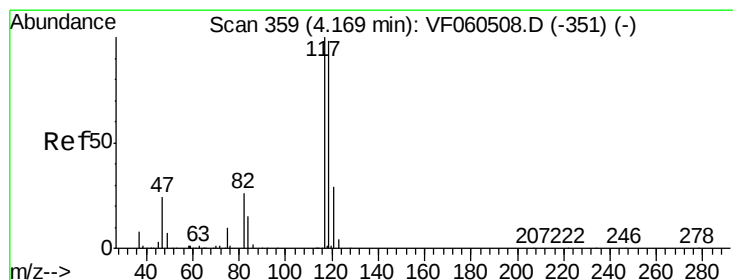
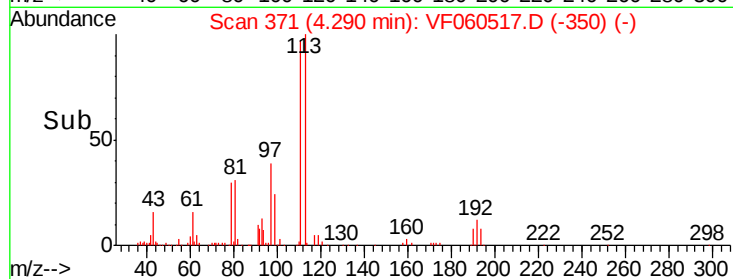
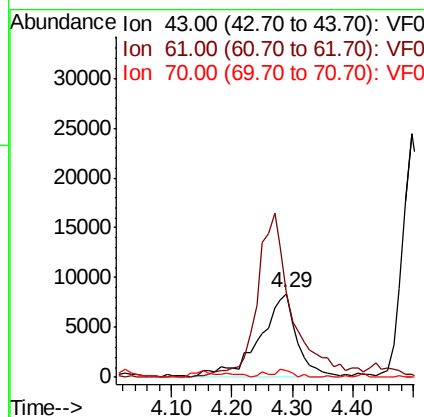
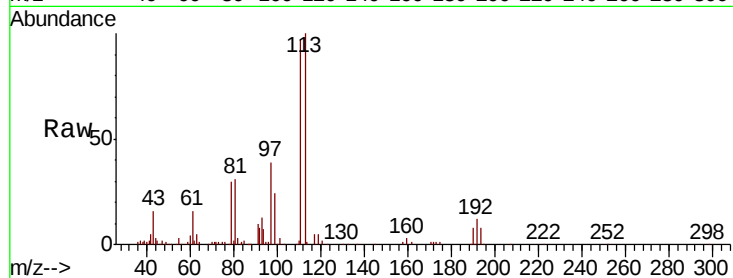
#37
Ethyl Acetate
Concen: 26.097 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	100.0	148.5	222.7#
70	8.2	4.7	7.1#

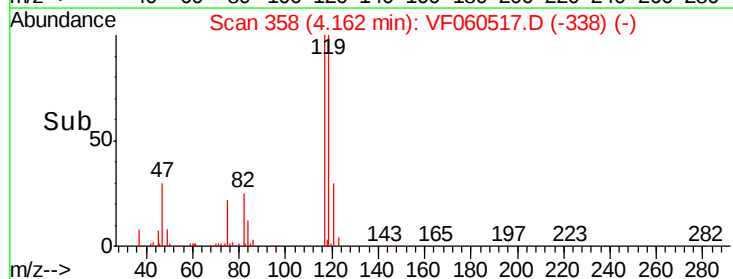
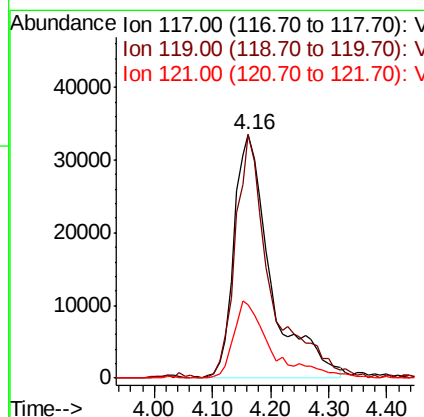
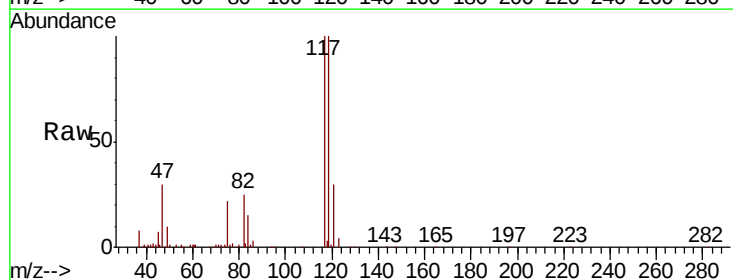
Manual Integrations
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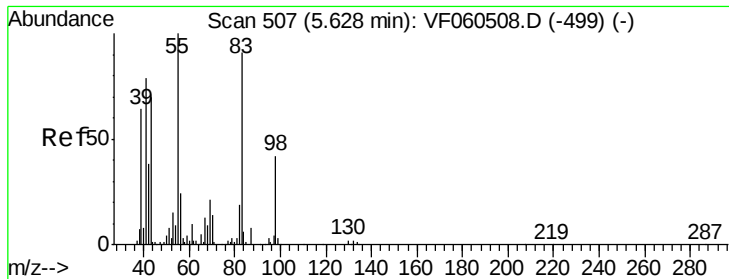
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#38
Carbon Tetrachloride
Concen: 21.516 ug/l
RT: 4.16 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.2	78.3	117.5
121	30.1	23.3	34.9





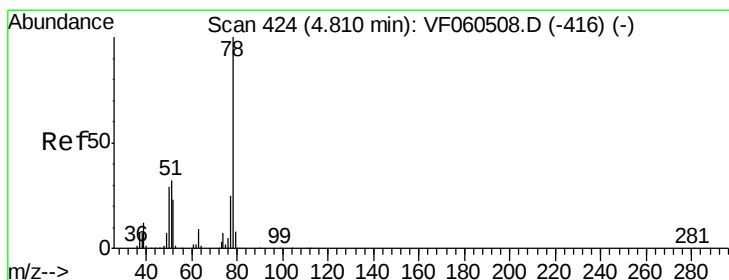
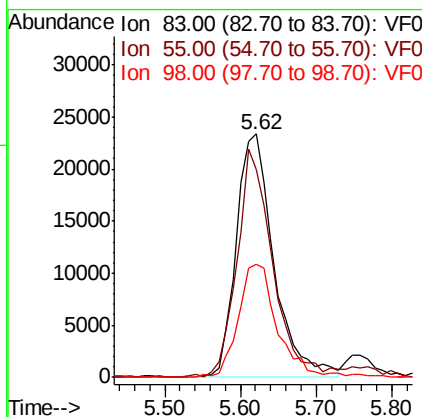
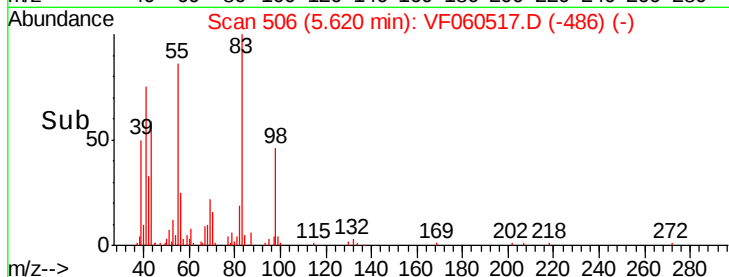
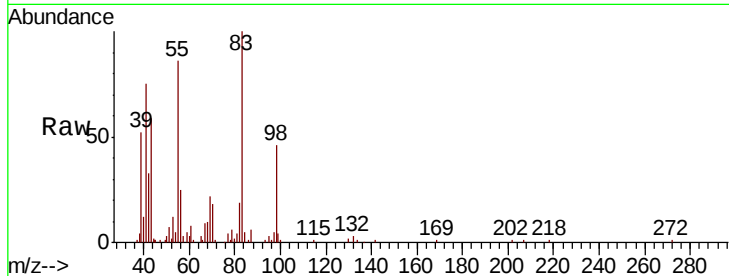
#39
Methvlcvclohexane
Concen: 21.619 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	87.9	131.9#
98	46.4	37.0	55.6

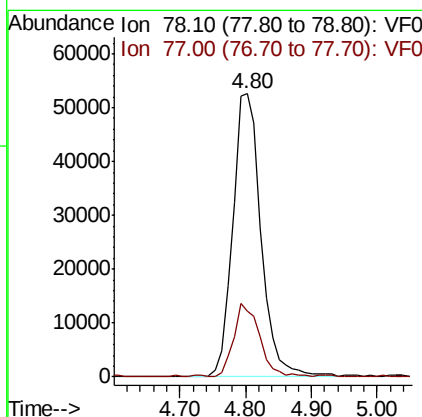
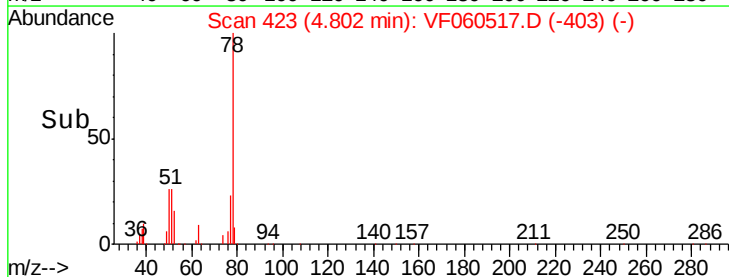
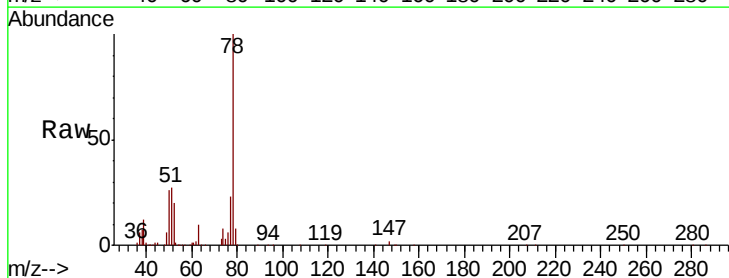
Manual Integrations
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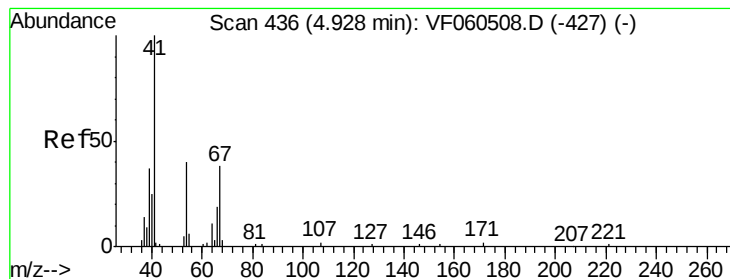
apatel
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#40
Benzene
Concen: 21.150 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.2	30.4





#41

Methacrylonitrile

Concen: 19.643 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.02 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

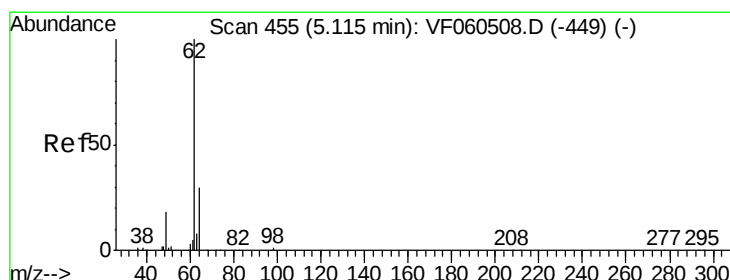
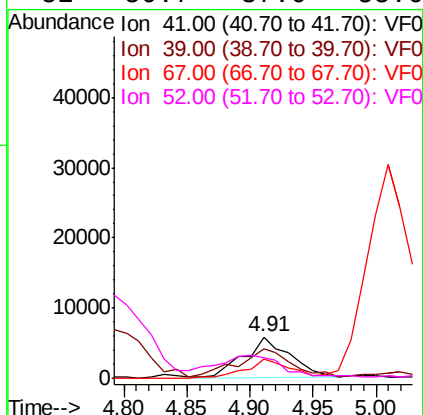
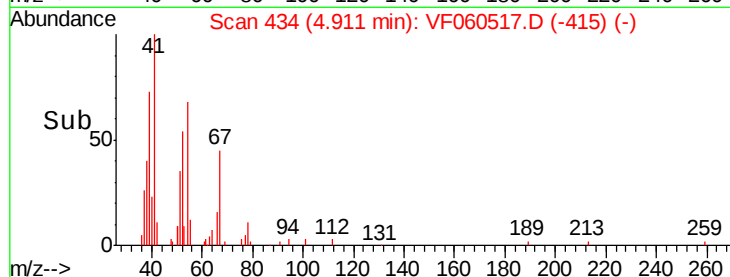
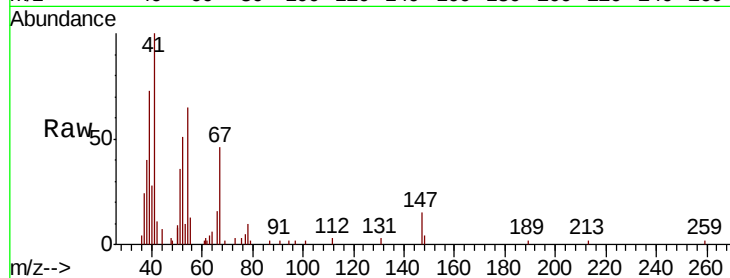
ClientSampleId :

VF1026SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.8	55.2	82.8
67	46.0	29.8	44.8#
52	50.7	37.0	55.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.320 ug/l

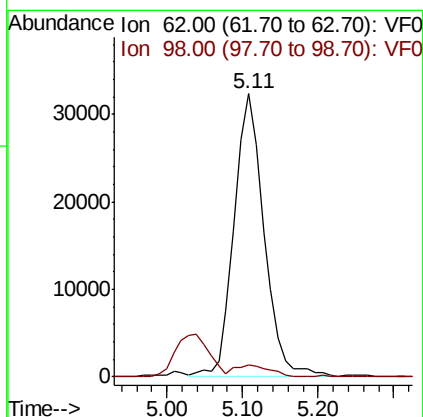
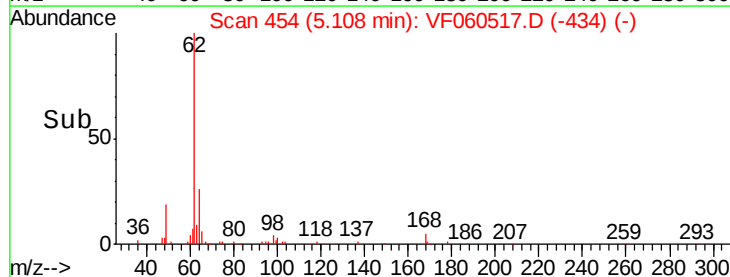
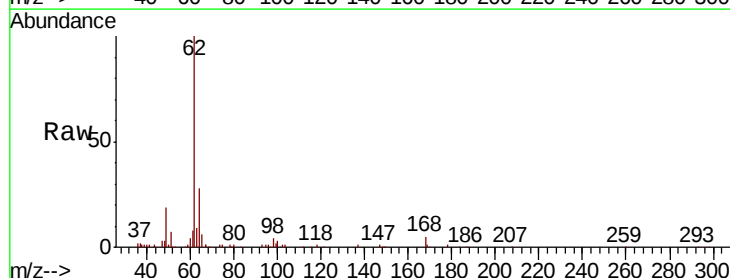
RT: 5.11 min Scan# 454

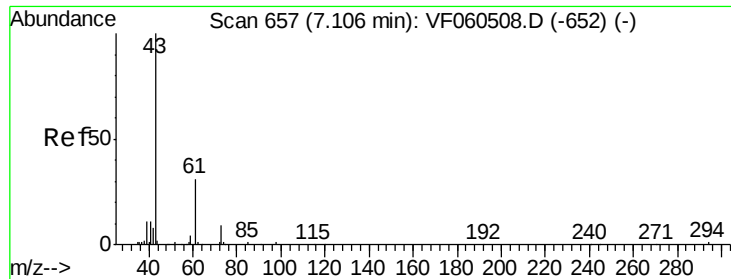
Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.2	0.0	9.4





#43

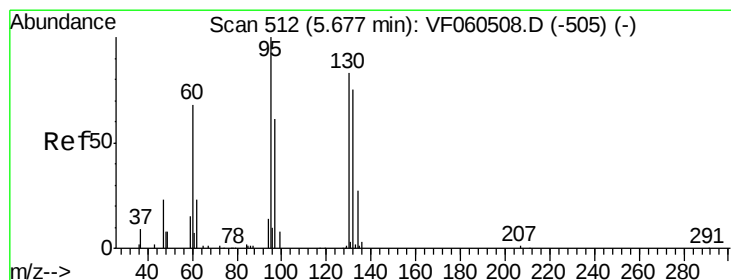
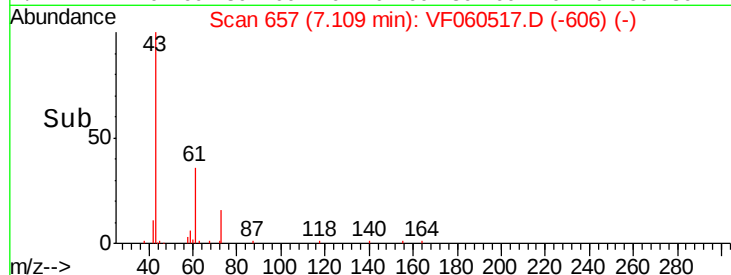
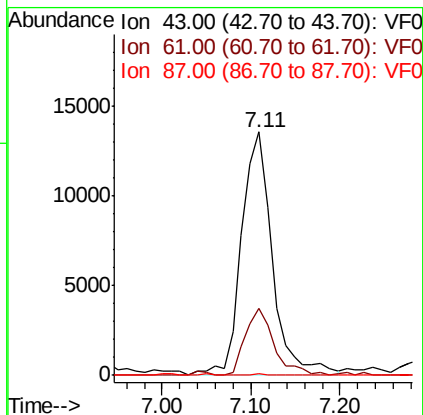
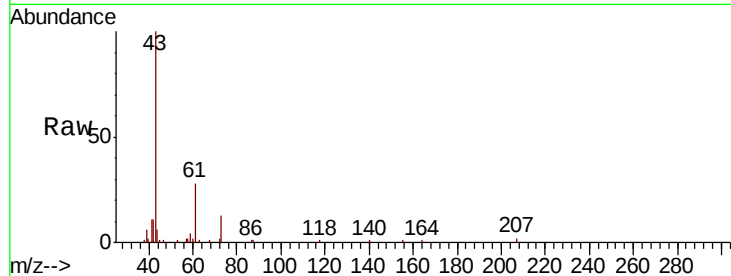
Isopropyl Acetate
 Concen: 20.804 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	24.4	36.6
87	0.8	0.0	0.0#

Manual Integrations
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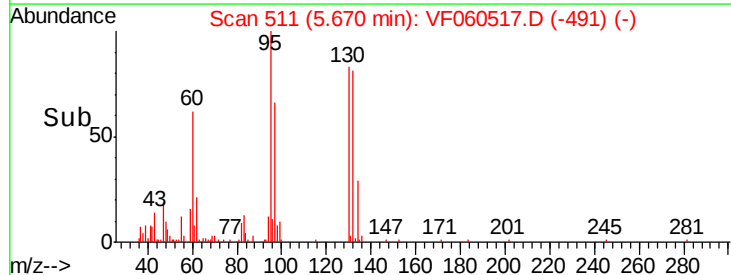
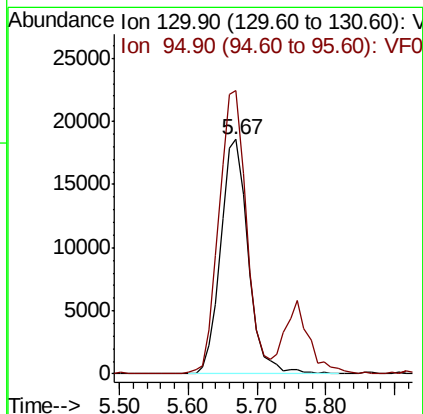
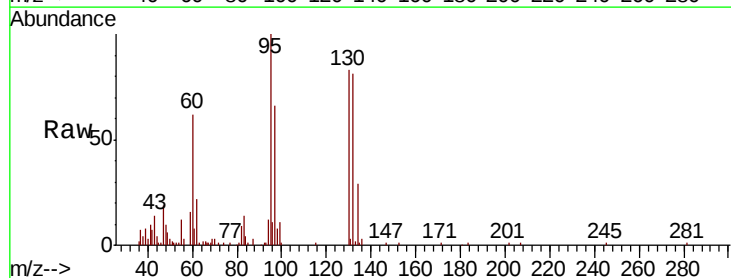
apatel
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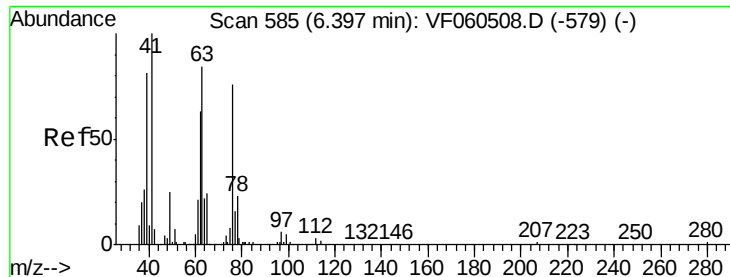


#44

Trichloroethene
 Concen: 19.757 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.6	0.0	242.8





#45

1,2-Dichloropropane

Concen: 20.431 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 63 Resp: 38846

Ion Ratio Lower Upper

63 100

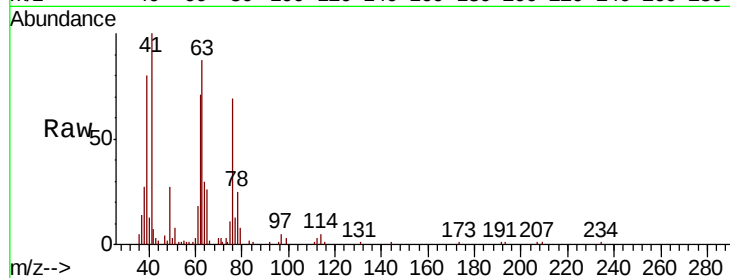
65 29.9 22.7 34.1

Manual Integrations

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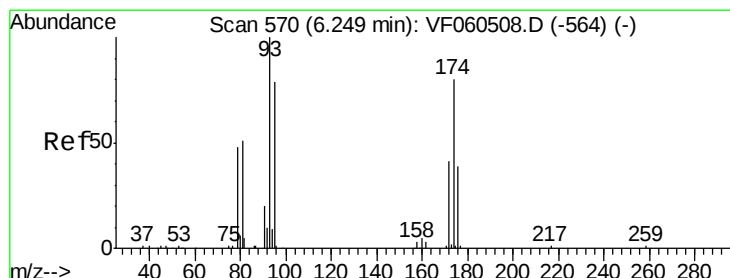
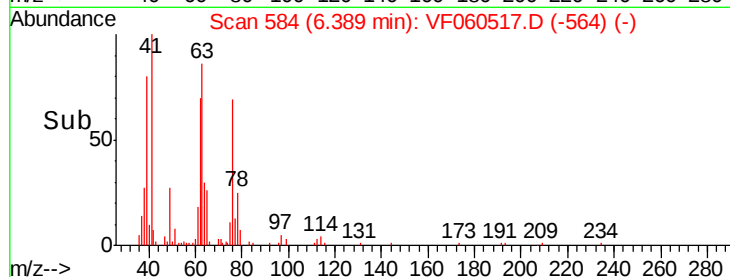
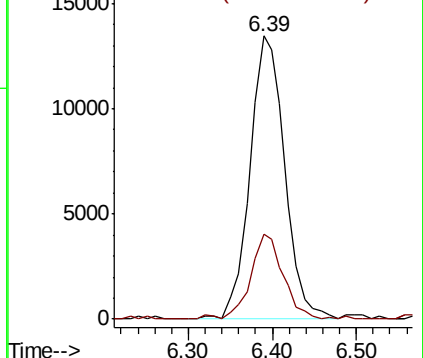
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.468 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

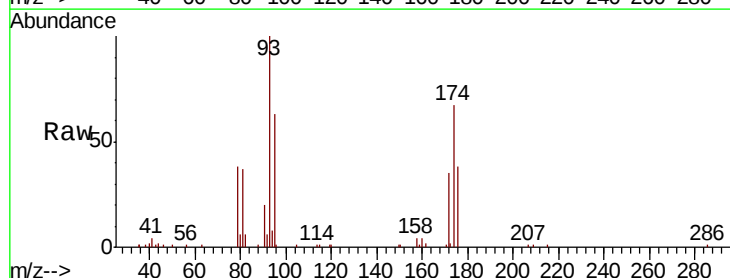
Tgt Ion: 93 Resp: 34736

Ion Ratio Lower Upper

93 100

95 62.5 63.8 95.8#

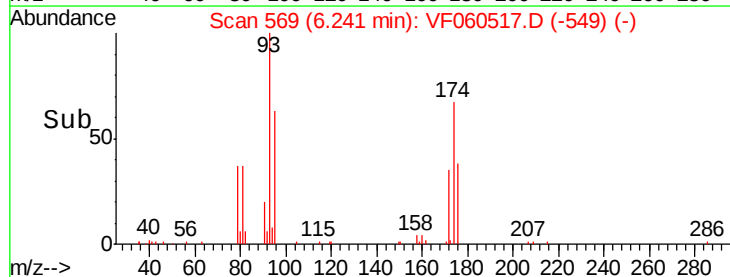
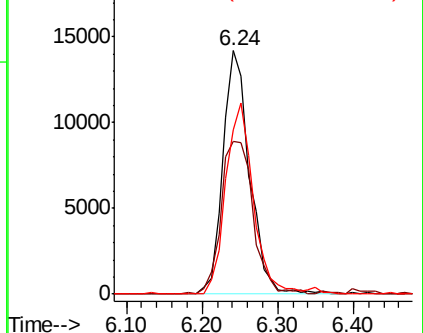
174 67.5 64.9 97.3

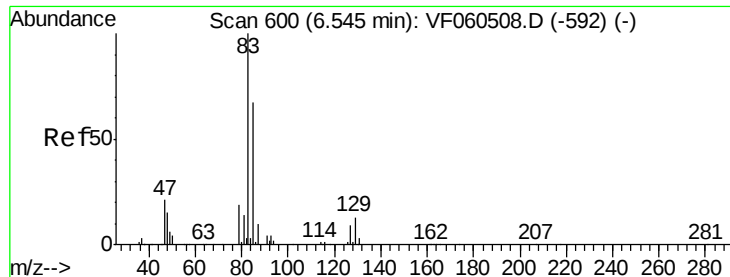


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.177 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

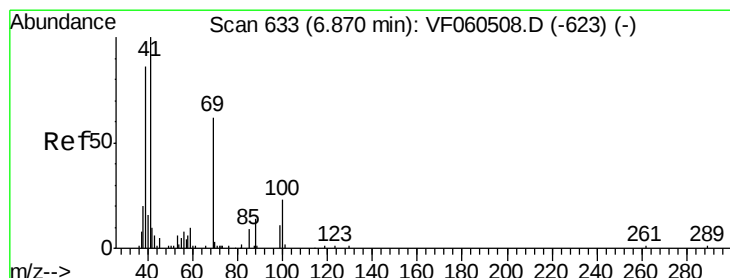
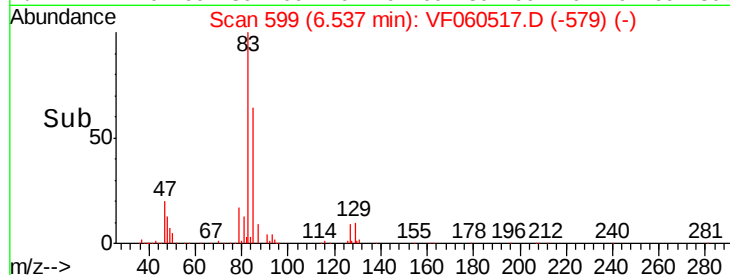
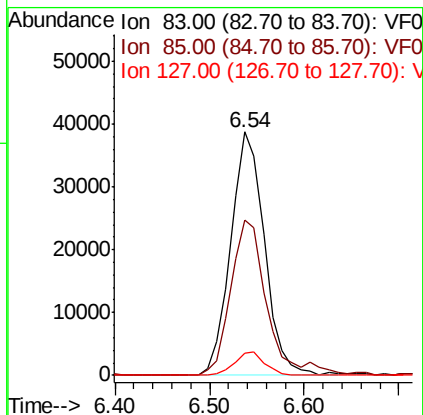
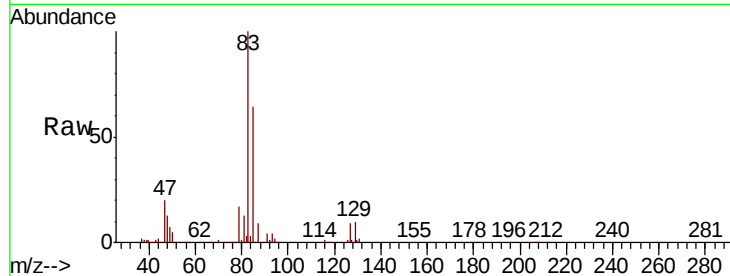
ClientSampleId :

VF1026SBS01

Tot Ion:	83	Resp:	95991
Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.4	80.0
127	9.2	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.367 ug/l

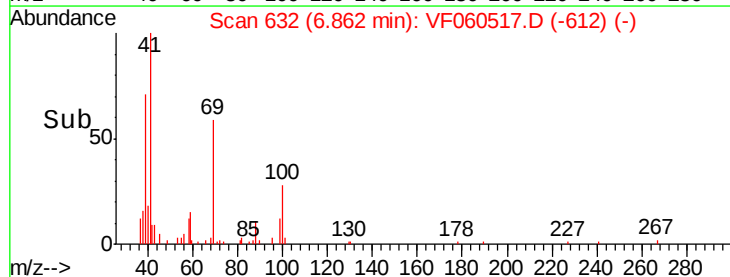
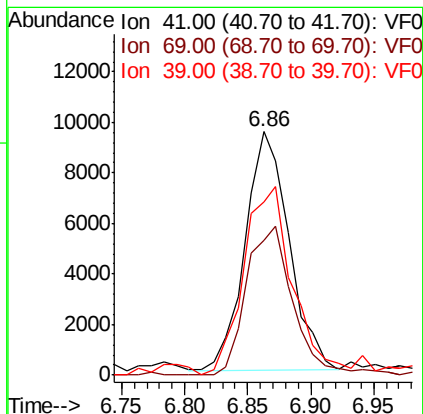
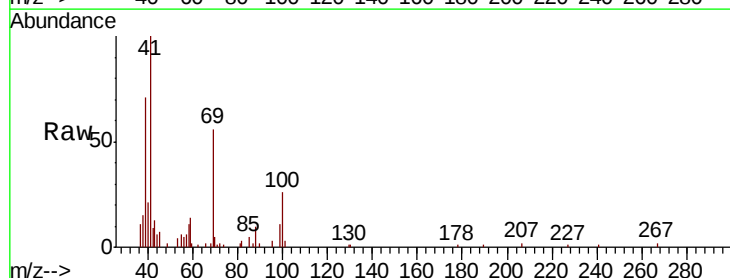
RT: 6.86 min Scan# 632

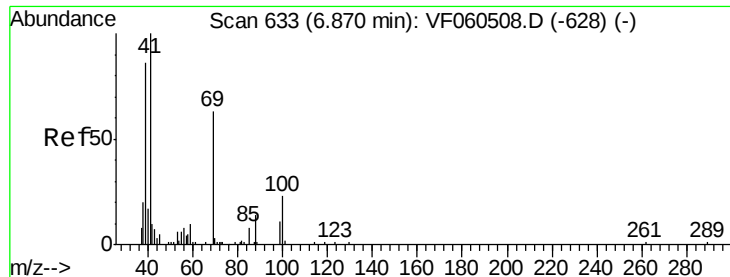
Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion:	41	Resp:	22962
Ion	Ratio	Lower	Upper
41	100		
69	55.5	49.6	74.4
39	71.2	69.4	104.2





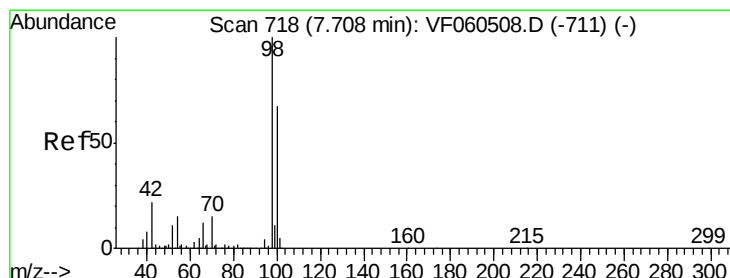
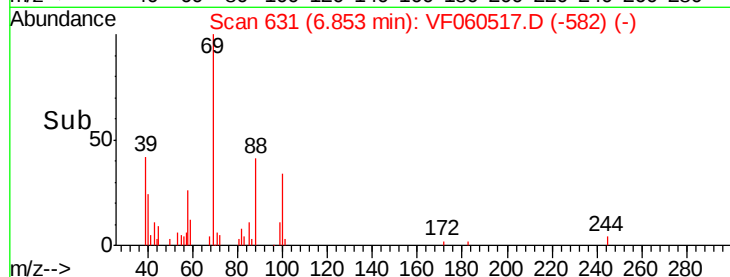
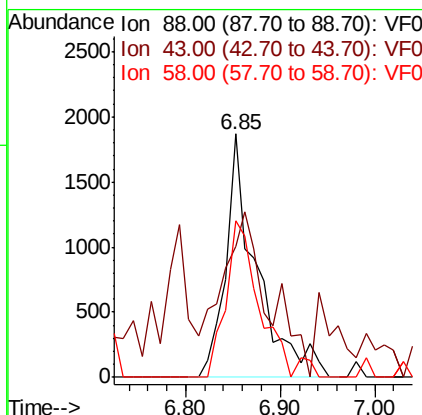
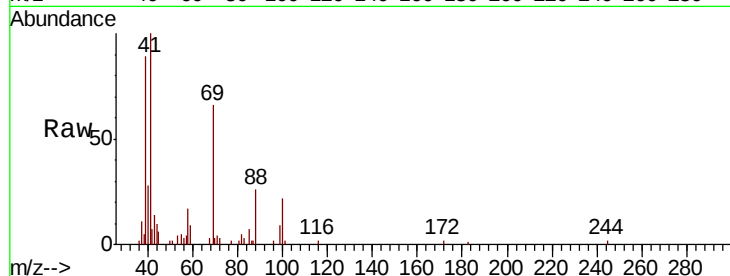
#49
1,4-Dioxane
Concen: 412.319 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.02 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	53.8	39.3	58.9
58	64.3	35.0	52.6

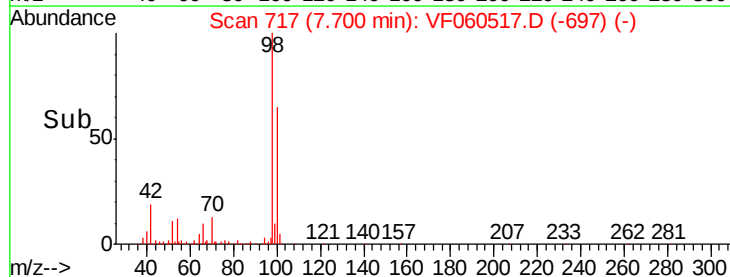
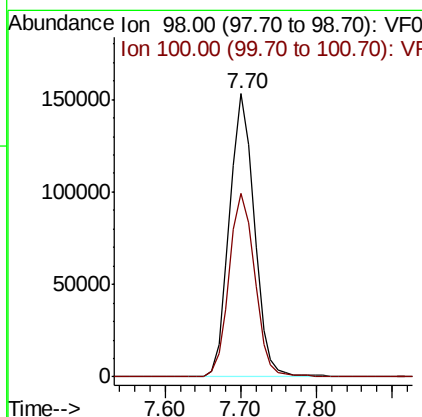
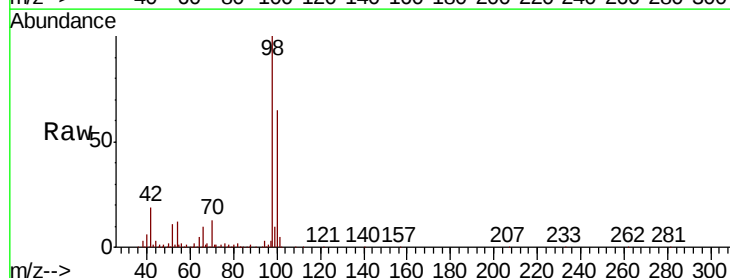
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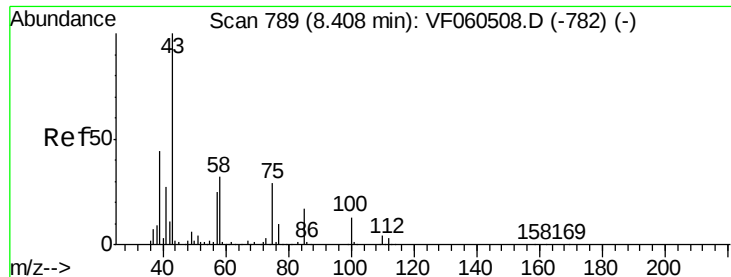
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#50
Toluene-d8
Concen: 47.209 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 97.619 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 43 Resp: 119942

Ion Ratio Lower Upper

43 100

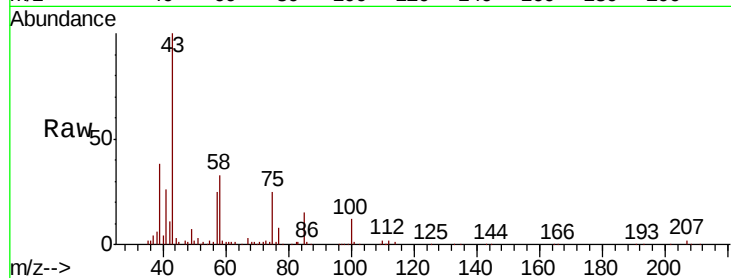
58 33.1 25.4 38.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

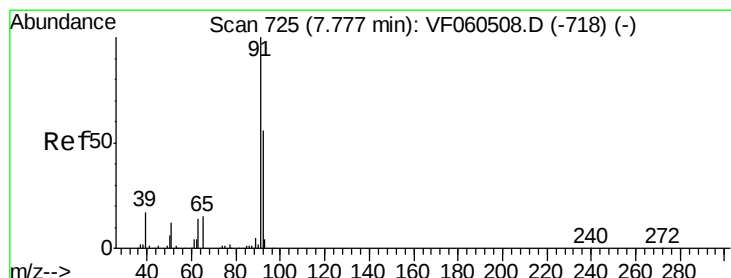
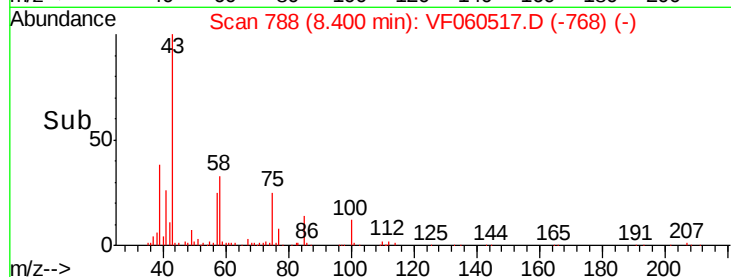
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 20.595 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060517.D

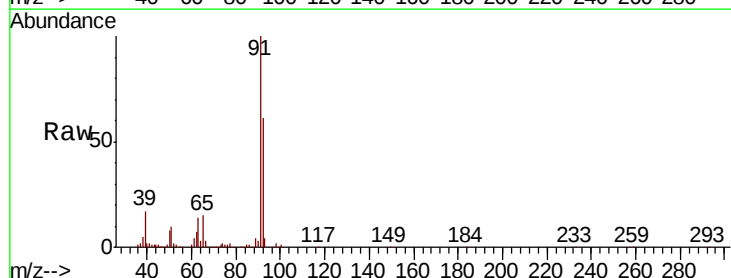
Acq: 26 Oct 2018 15:35

Tgt Ion: 92 Resp: 101684

Ion Ratio Lower Upper

92 100

91 165.0 143.8 215.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

80000

60000

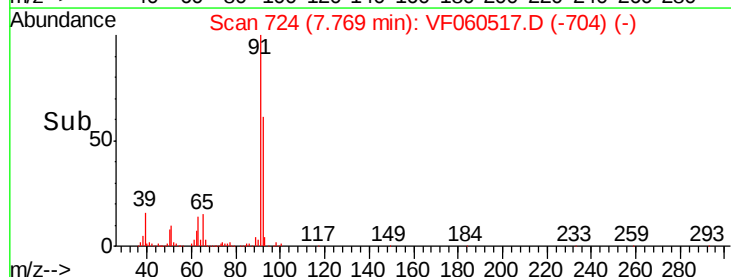
40000

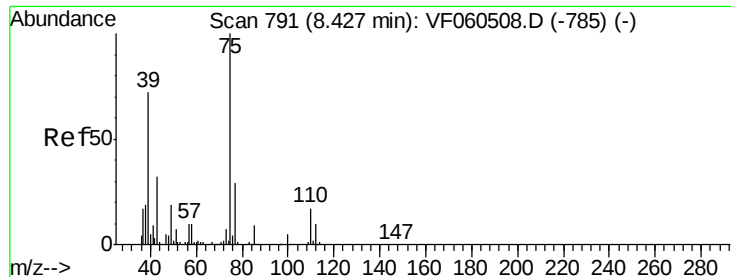
20000

0

7.70 7.77 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.570 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 75 Resp: 68829

Ion Ratio Lower Upper

75 100

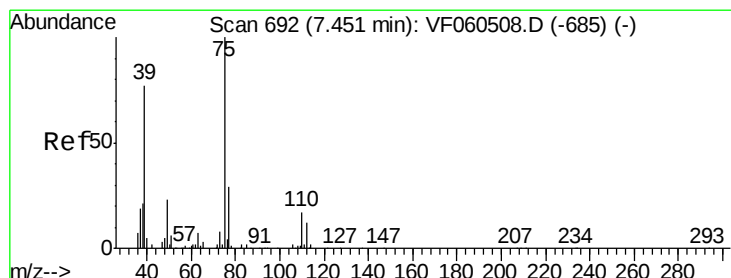
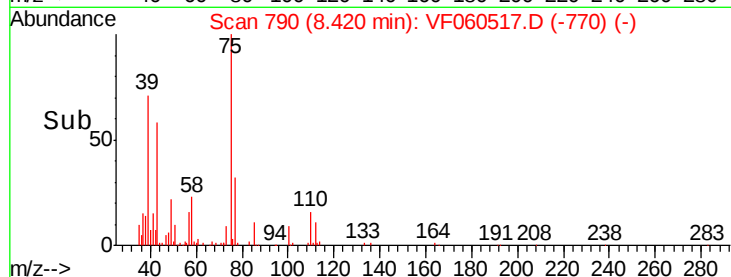
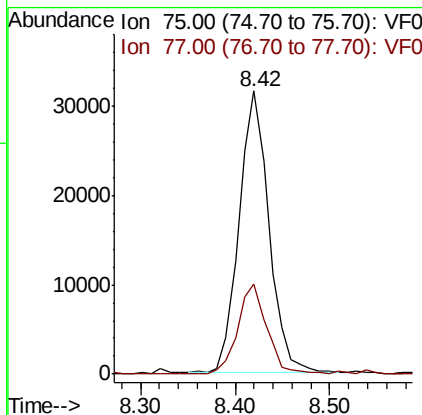
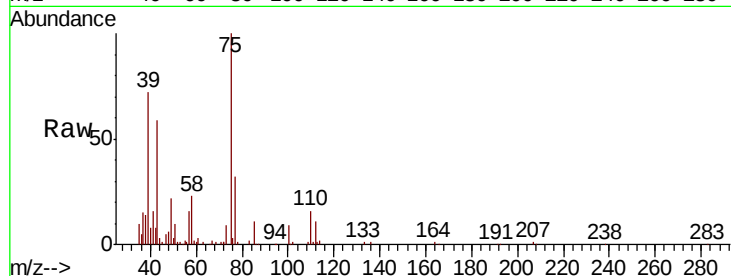
77 31.8 23.7 35.5

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#54

cis-1,3-Dichloropropene

Concen: 19.479 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

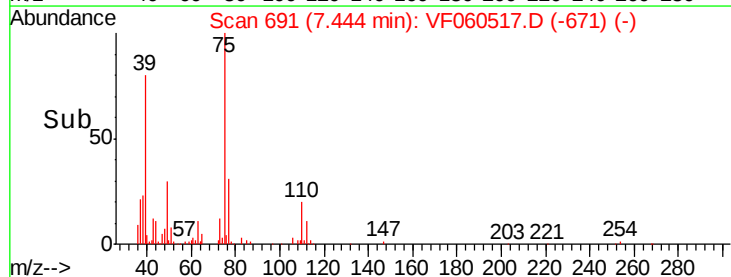
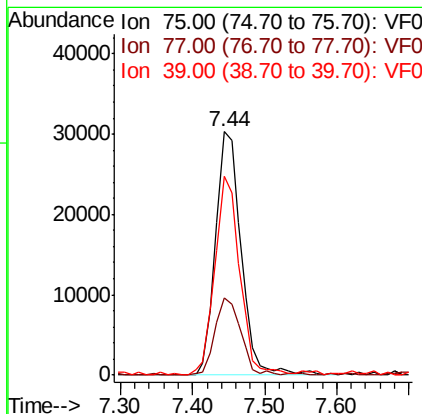
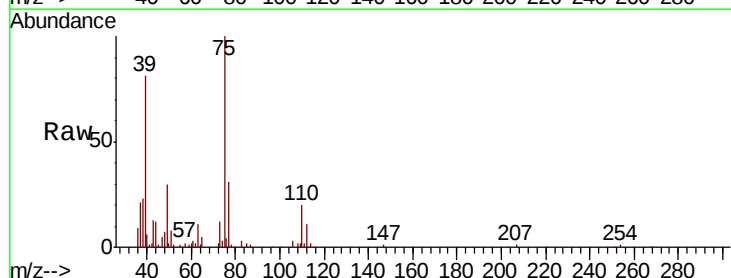
Tgt Ion: 75 Resp: 74373

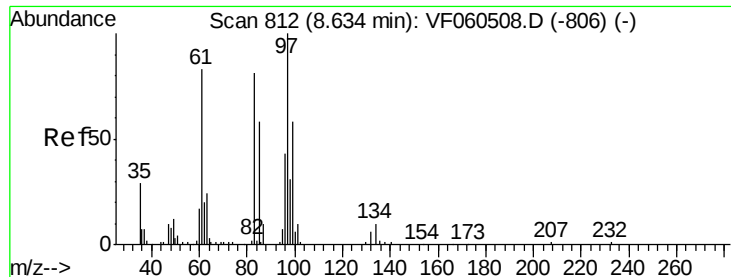
Ion Ratio Lower Upper

75 100

77 31.5 23.6 35.4

39 81.4 61.6 92.4





#55

1,1,2-Trichloroethane

Concen: 19.284 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

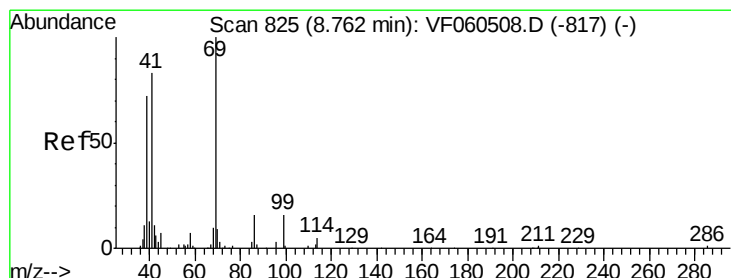
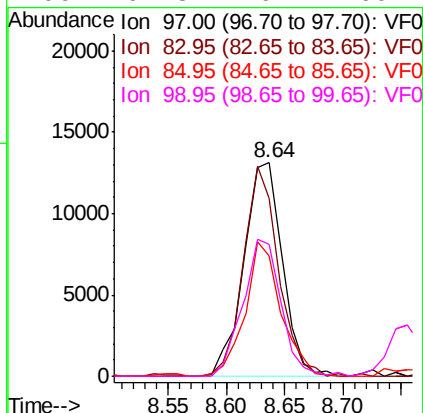
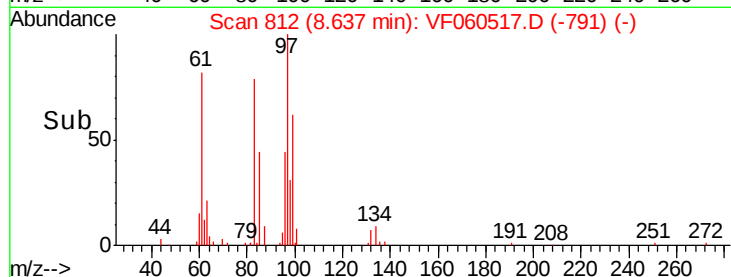
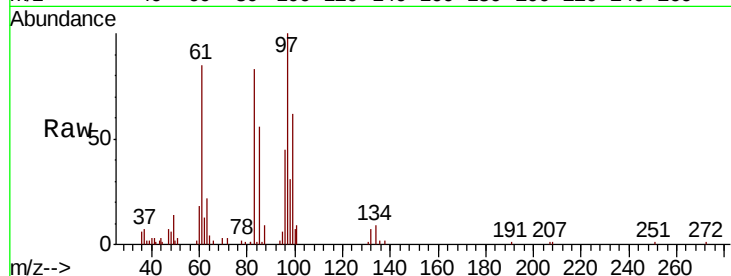
ClientSampleId :

VF1026SBS01

Tot Ion:	97	Resp:	30142
Ion Ratio	Lower	Upper	
97	100		
83	83.3	65.0	97.4
85	56.2	47.0	70.6
99	61.8	46.2	69.4

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#56

Ethyl methacrylate

Concen: 22.388 ug/l

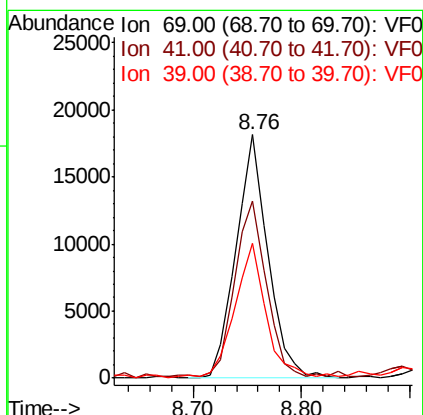
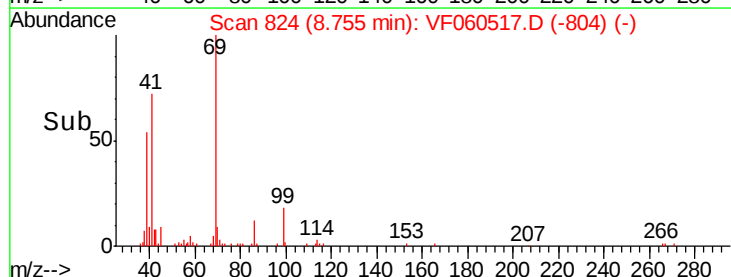
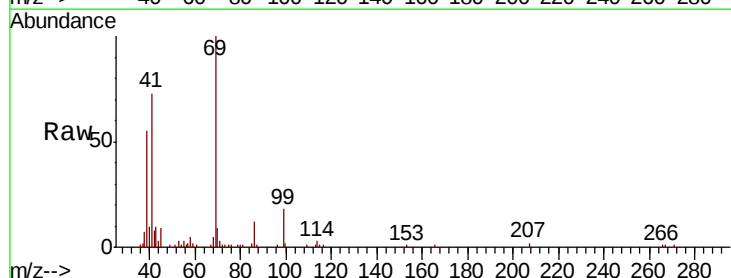
RT: 8.76 min Scan# 824

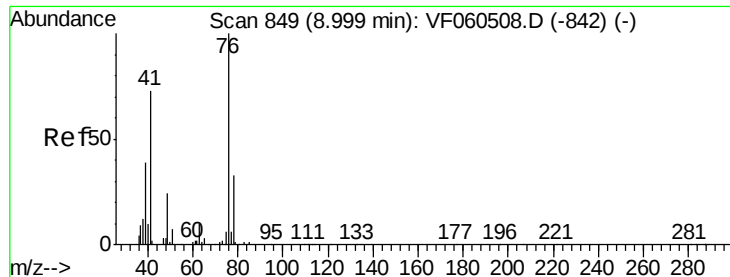
Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion:	69	Resp:	37325
Ion Ratio	Lower	Upper	
69	100		
41	72.7	67.2	100.8
39	55.2	58.4	87.6#





#57

1,3-Dichloropropane

Concen: 19.242 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 76 Resp: 52671

Ion Ratio Lower Upper

76 100

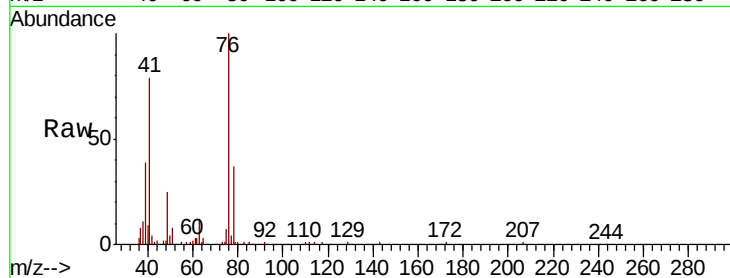
78 37.5 26.6 40.0

Manual Integrations

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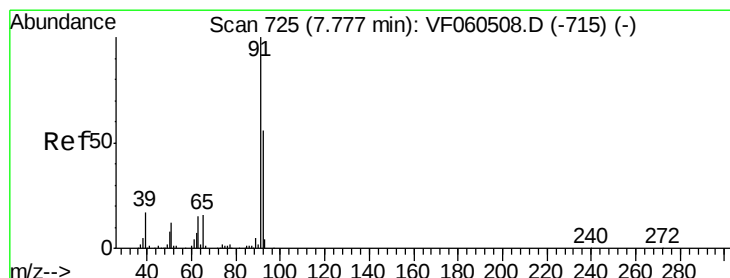
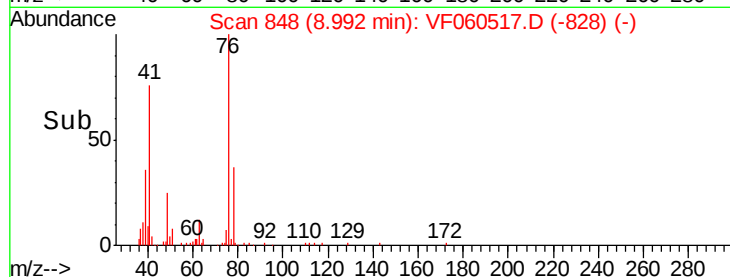
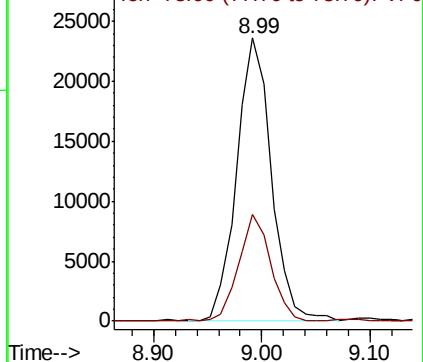
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 102.392 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060517.D

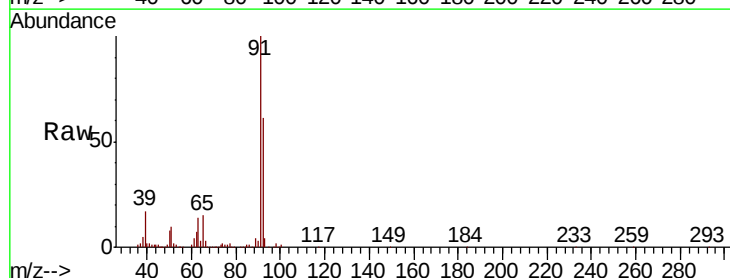
Acq: 26 Oct 2018 15:35

Tgt Ion: 63 Resp: 23605

Ion Ratio Lower Upper

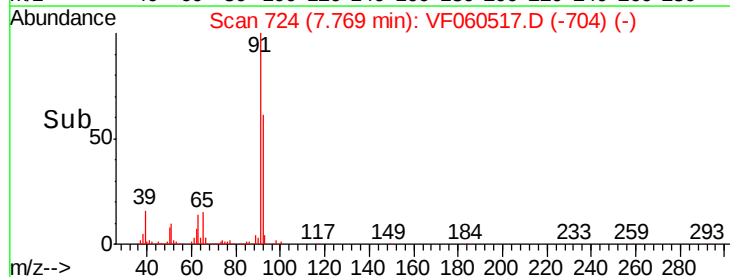
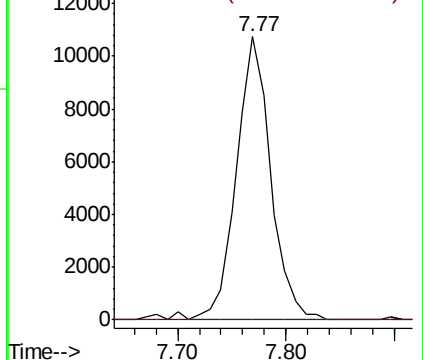
63 100

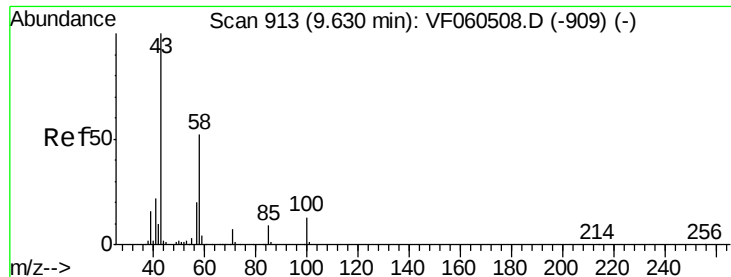
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





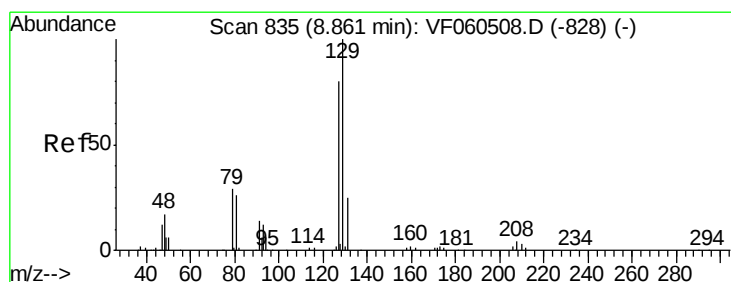
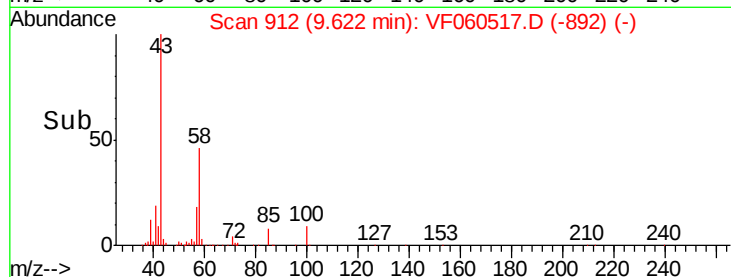
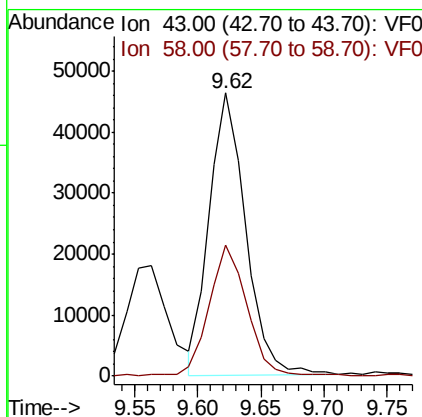
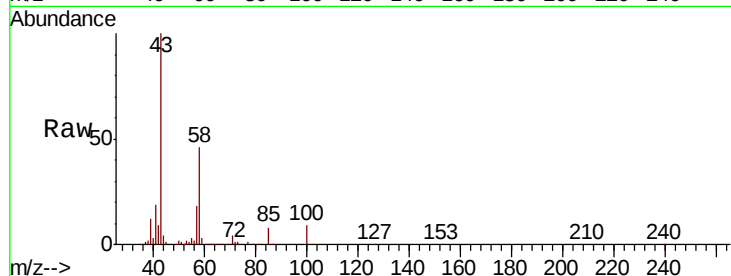
#59
2-Hexanone
Concen: 102.298 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion: 43 Resp: 92470
Ion Ratio Lower Upper
43 100
58 46.3 23.5 70.5

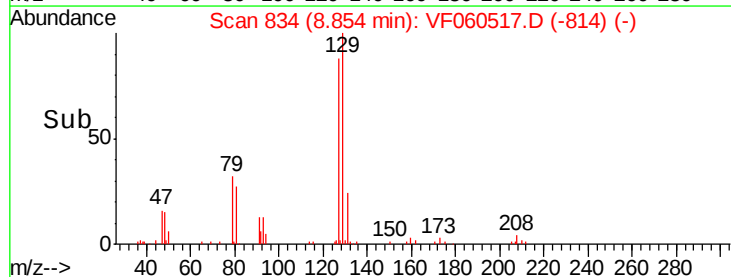
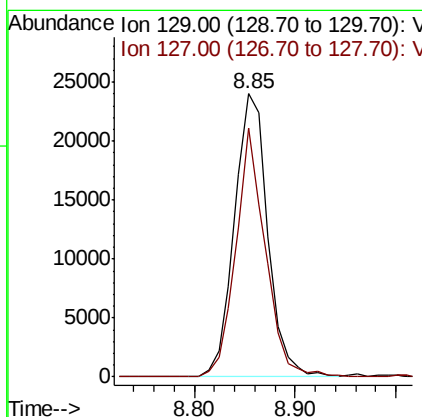
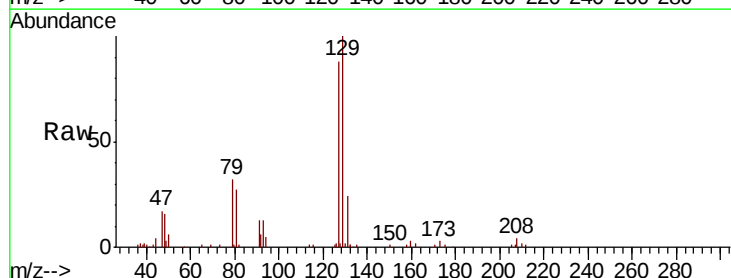
Manual Integrations
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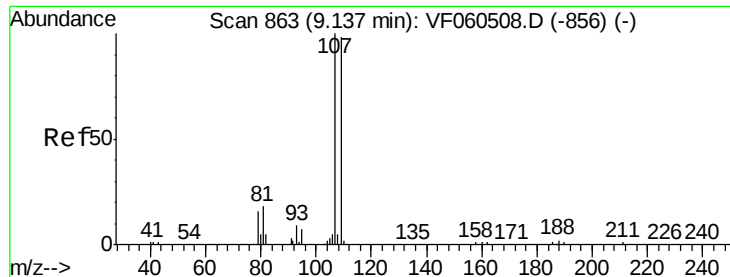
apatel
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#60
Dibromochloromethane
Concen: 18.635 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion: 129 Resp: 55316
Ion Ratio Lower Upper
129 100
127 87.9 40.2 120.5





#61

1,2-Dibromoethane

Concen: 18.689 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion:107 Resp: 34731

Ion Ratio Lower Upper

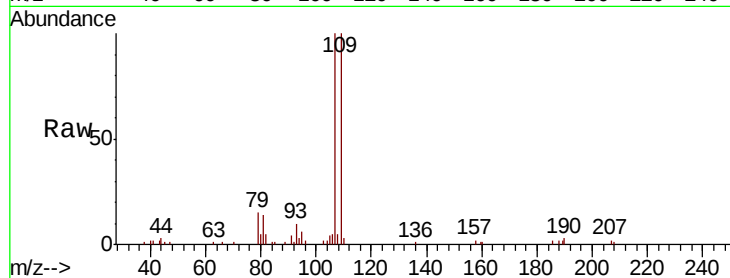
107 100

109 100.0 78.6 118.0

Manual Integrations
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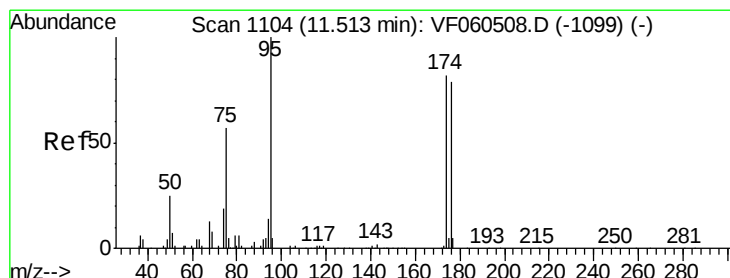
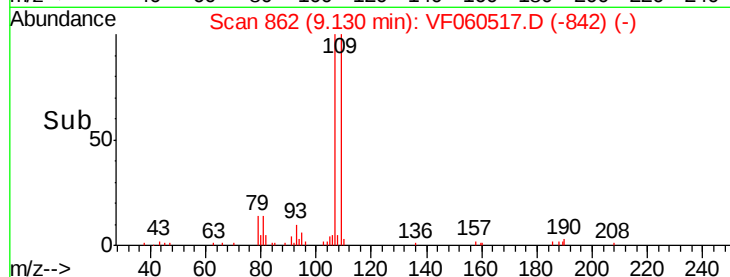
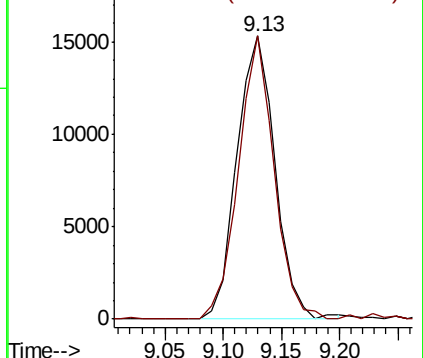
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.331 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

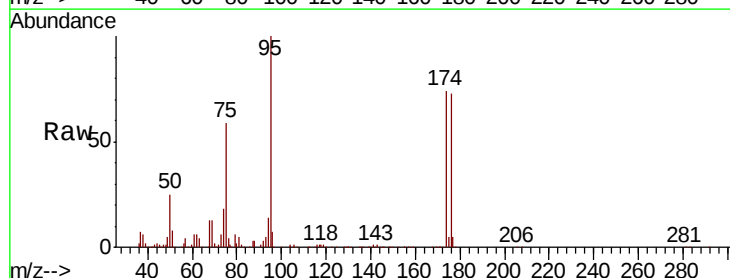
Tgt Ion: 95 Resp: 179017

Ion Ratio Lower Upper

95 100

174 73.9 0.0 164.2

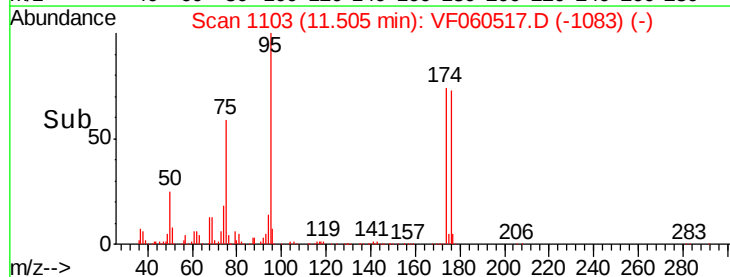
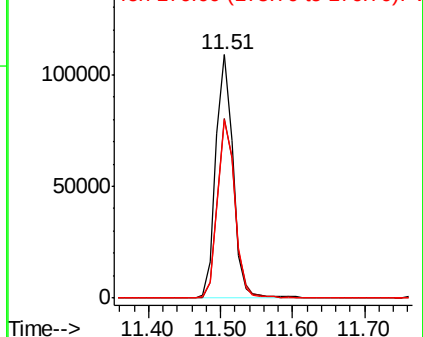
176 73.4 0.0 158.4

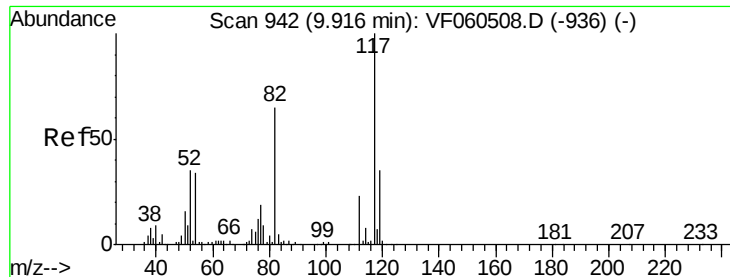


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





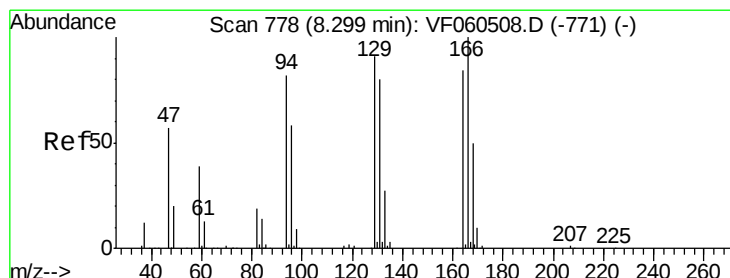
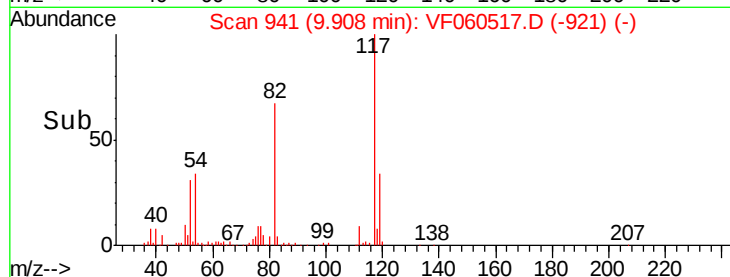
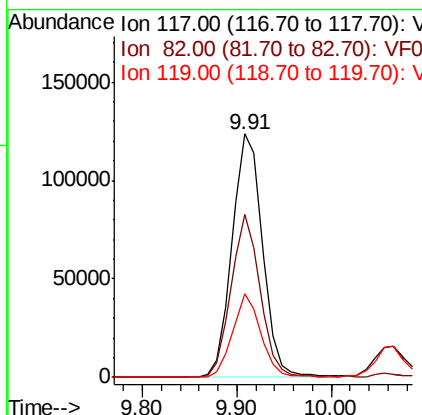
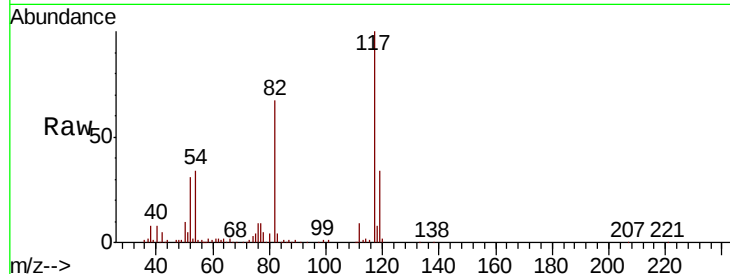
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.8	51.7	77.5
119	34.3	28.3	42.5

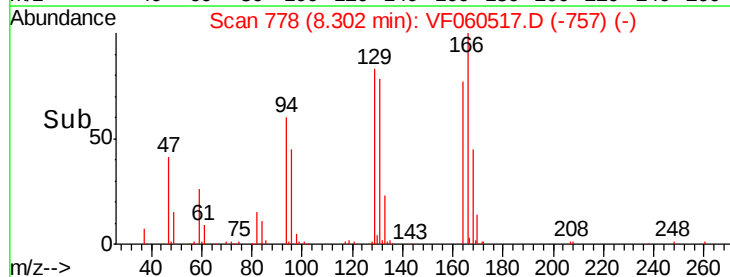
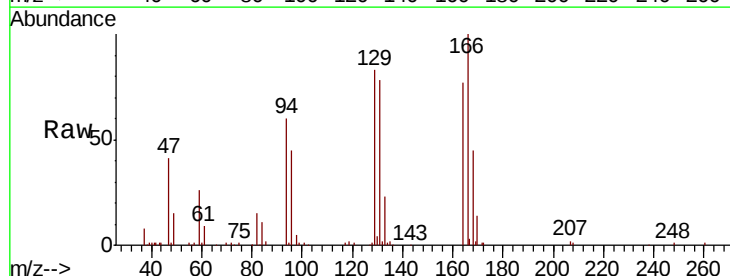
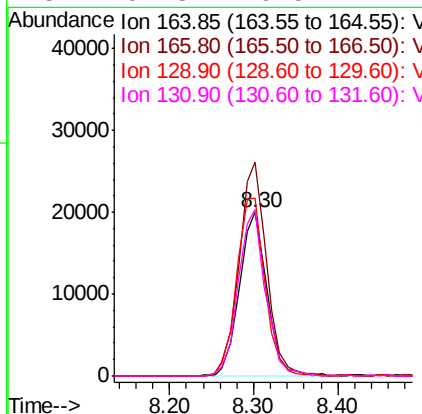
Manual Integrations
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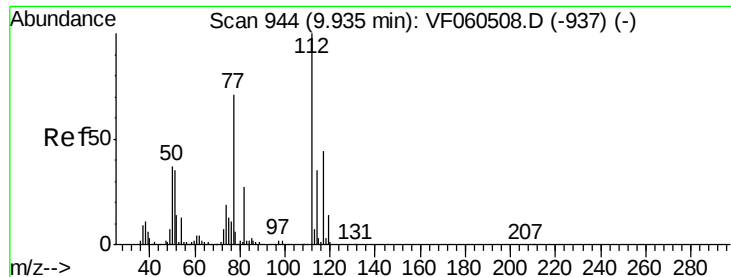
apatel
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#64
Tetrachloroethene
Concen: 19.505 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	95.1	142.7
129	108.5	86.3	129.5
131	101.8	76.5	114.7





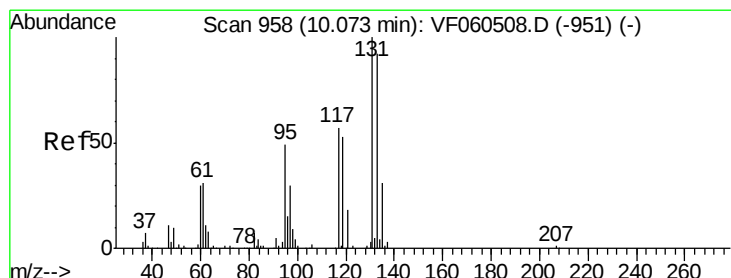
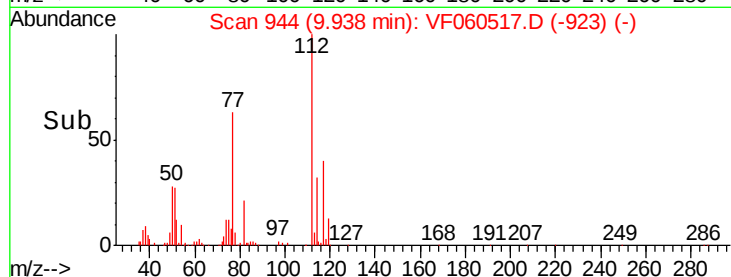
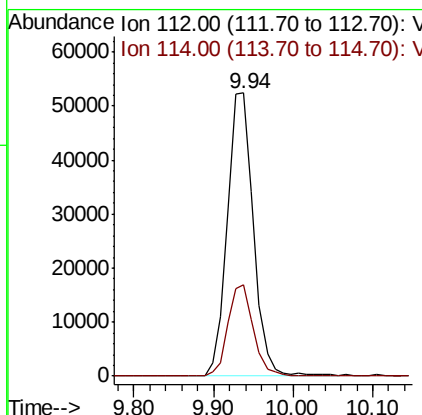
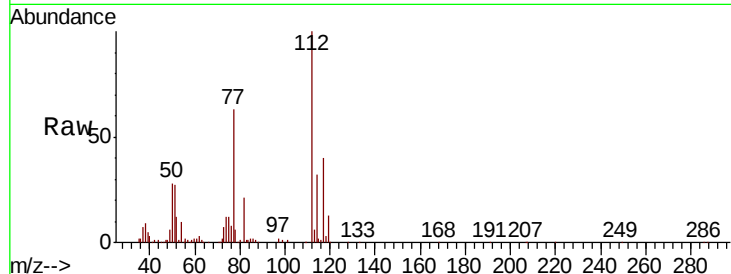
#65
Chlorobenzene
Concen: 20.916 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	27.7	41.5

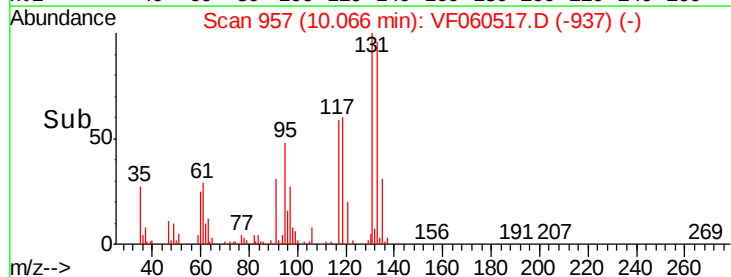
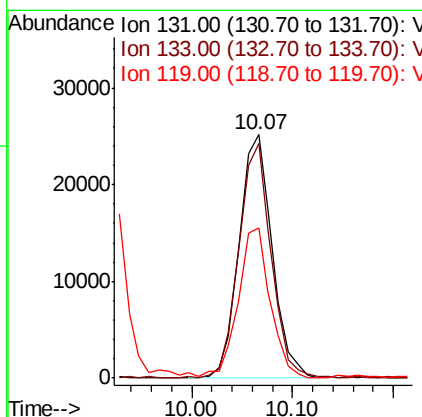
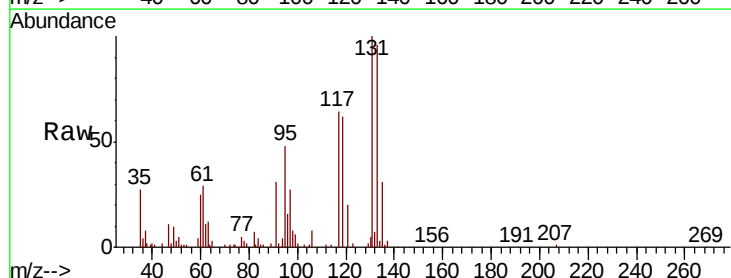
Manual Integrations
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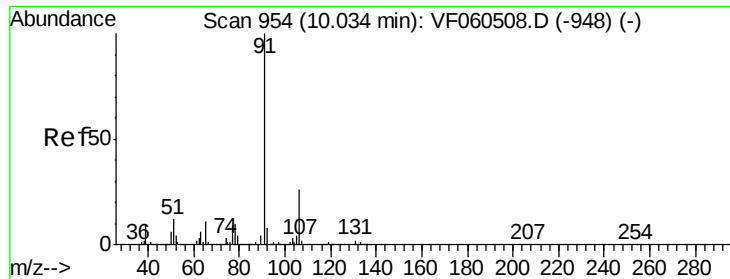
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.108 ug/l
RT: 10.07 min Scan# 957
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	46.1	138.2
119	61.6	27.0	80.8





#67

Ethyl Benzene

Concen: 21.315 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion: 91 Resp: 252664

Ion Ratio Lower Upper

91 100

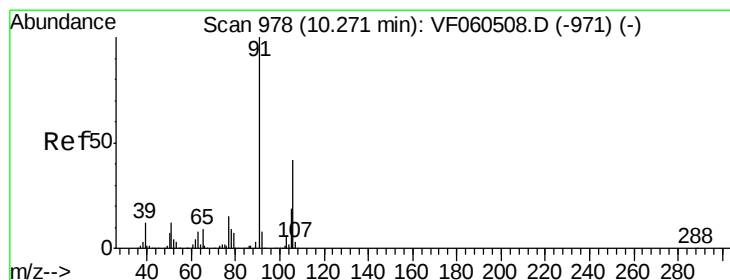
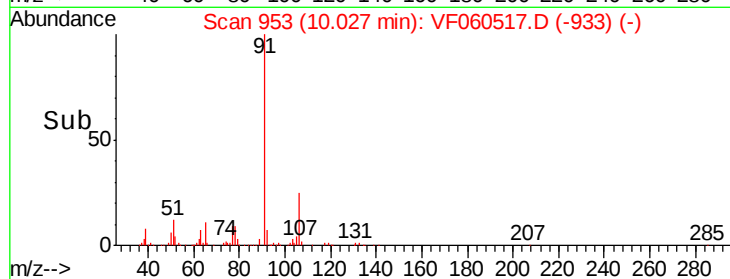
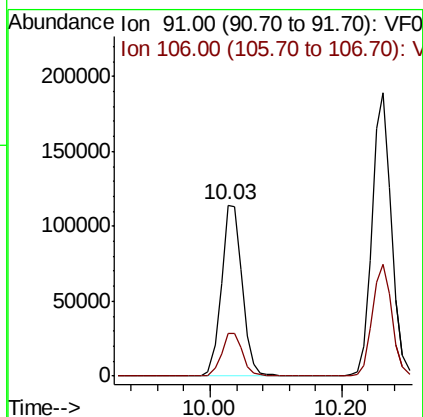
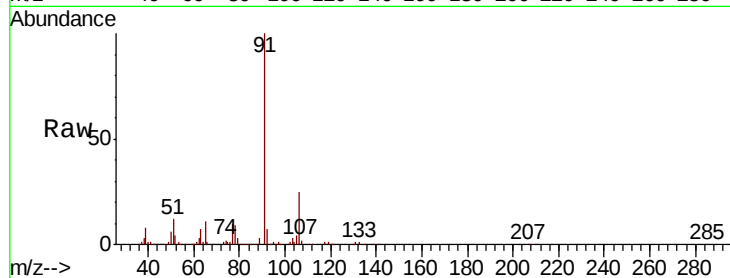
106 24.9 20.7 31.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.056 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.01 min

Lab File: VF060517.D

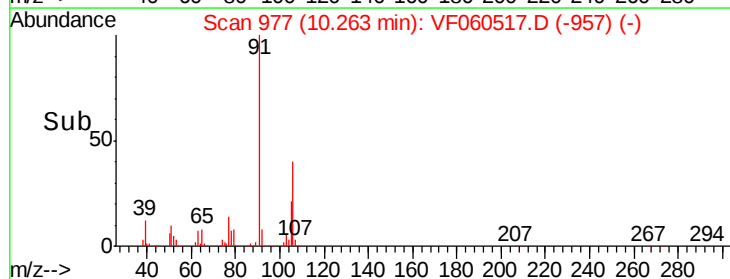
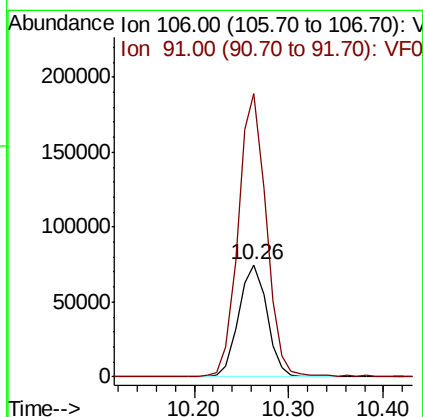
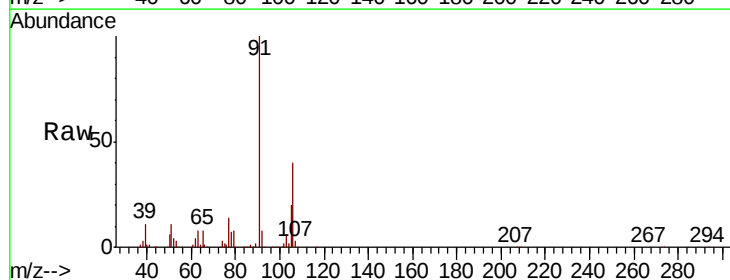
Acq: 26 Oct 2018 15:35

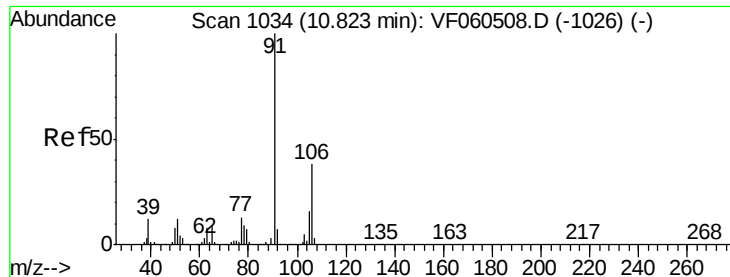
Tgt Ion:106 Resp: 156507

Ion Ratio Lower Upper

106 100

91 251.7 192.5 288.7





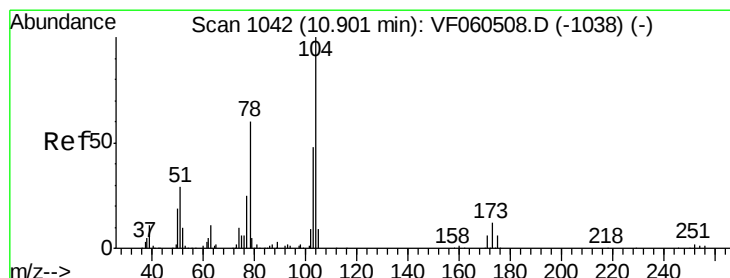
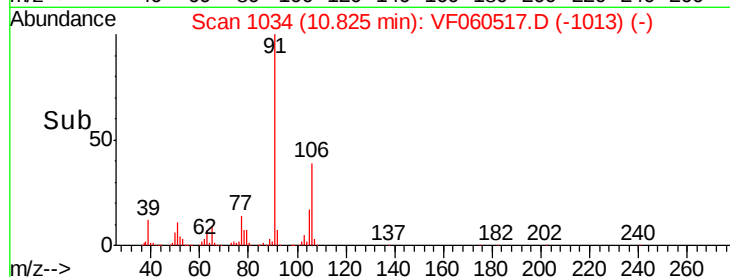
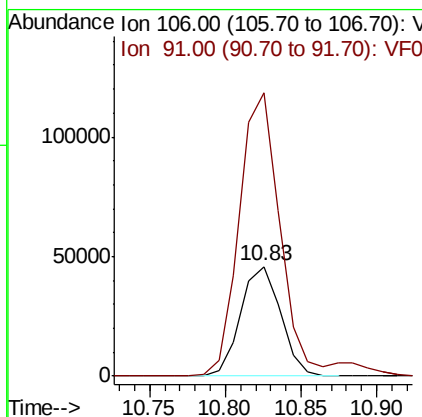
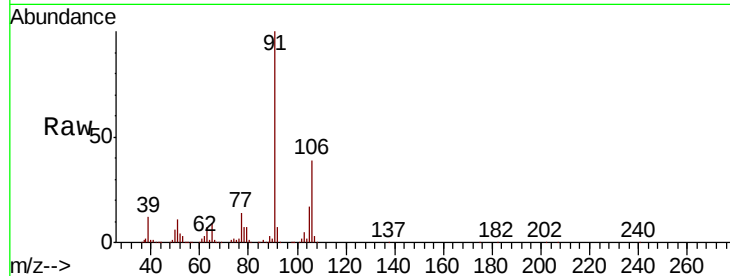
#69
o-Xylene
Concen: 20.363 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion:106 Resp: 85006
Ion Ratio Lower Upper
106 100
91 257.4 130.9 392.7

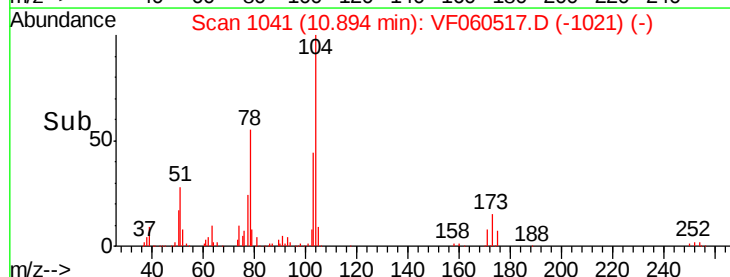
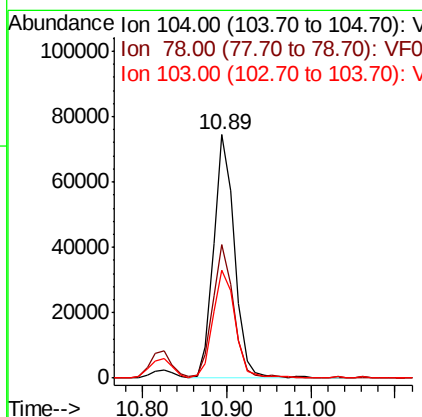
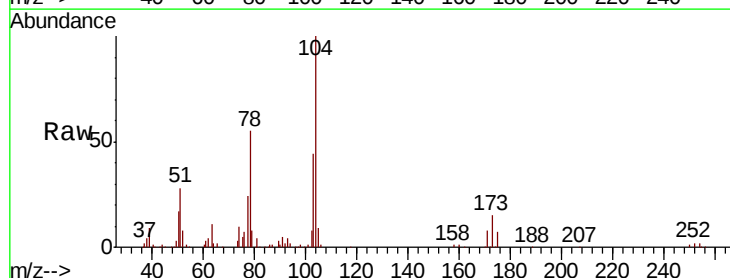
Manual Integrations
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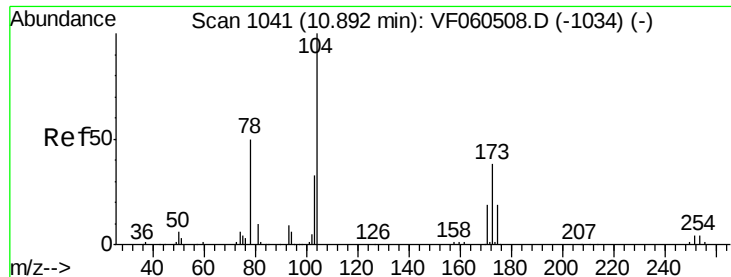
apatel
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#70
Styrene
Concen: 22.048 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion:104 Resp: 128495
Ion Ratio Lower Upper
104 100
78 54.8 48.7 73.1
103 44.2 38.8 58.2





#71

Bromoform

Concen: 19.098 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion:173 Resp: 30535

Ion Ratio Lower Upper

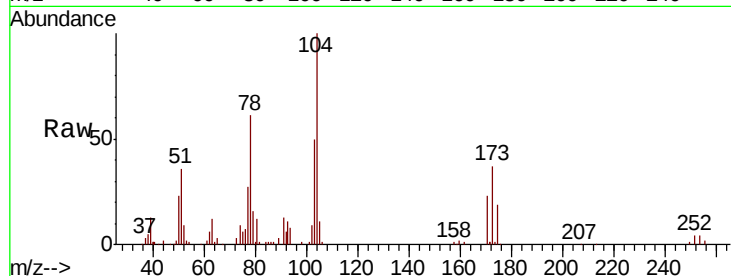
173 100

175 52.5 25.5 76.5

254 0.0 0.0 0.0

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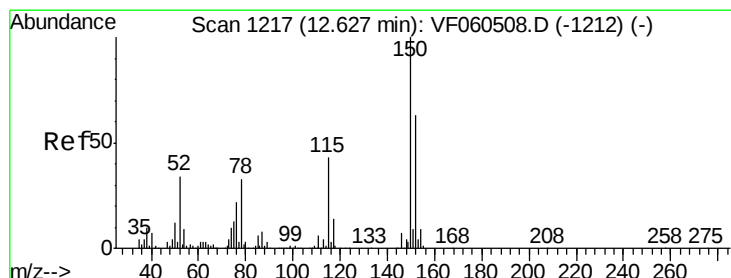
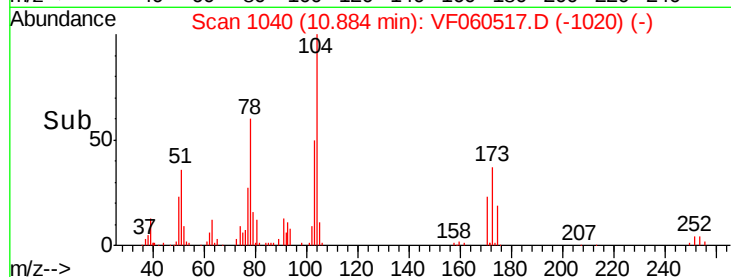
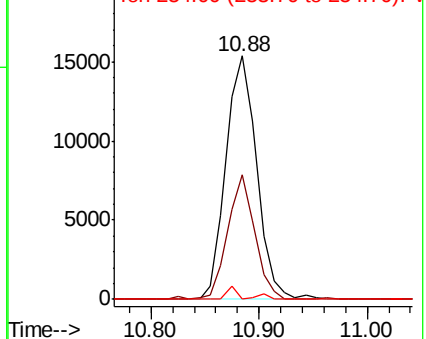


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

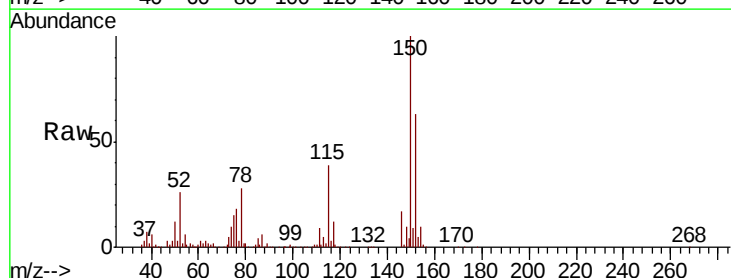
Tgt Ion:152 Resp: 172468

Ion Ratio Lower Upper

152 100

115 61.3 34.6 103.9

150 157.9 0.0 319.8

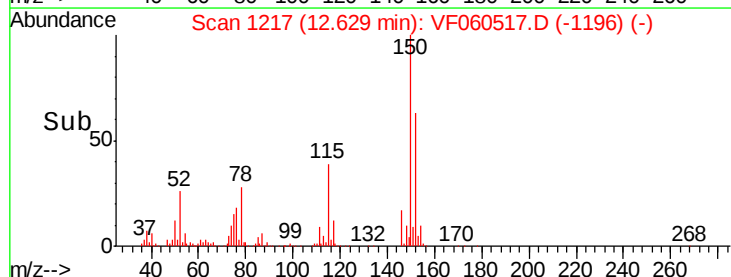
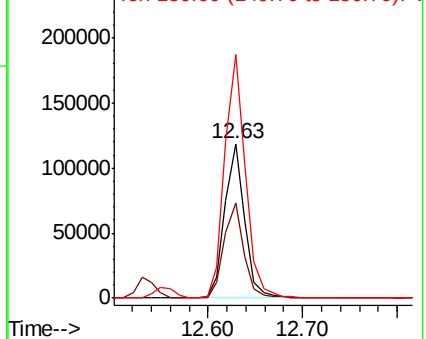


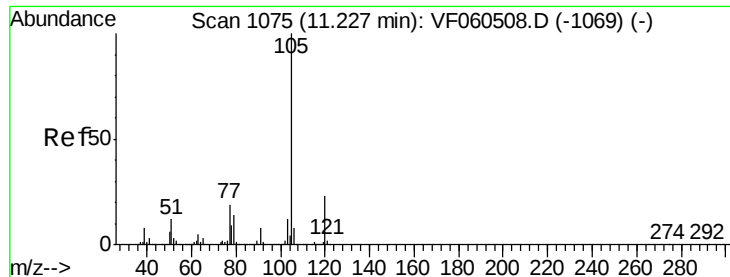
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.190 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

ClientSampleId :

VF1026SBS01

Tot Ion:105 Resp: 290323

Ion Ratio Lower Upper

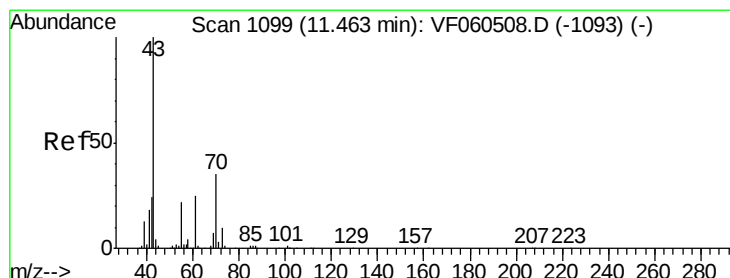
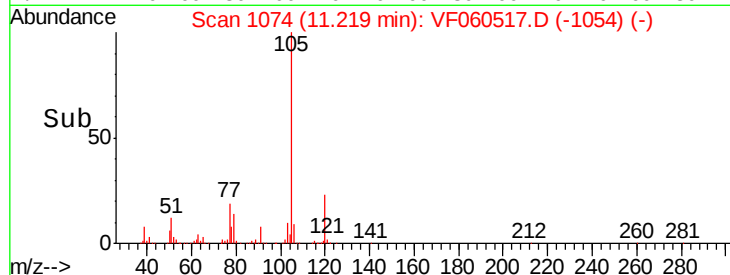
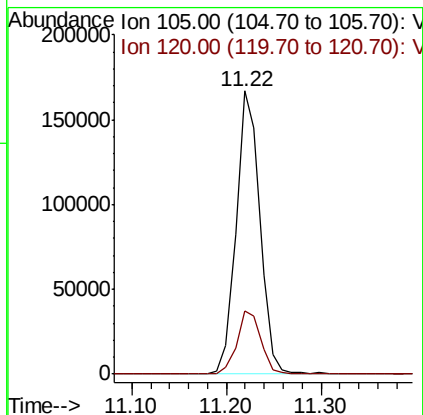
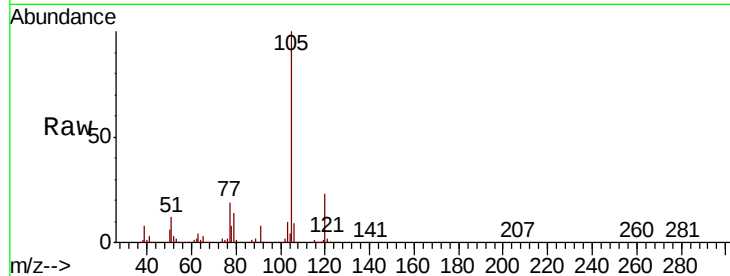
105 100

120 22.6 11.6 34.7

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#74

N-ethyl acetate

Concen: 19.759 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion: 43 Resp: 48074

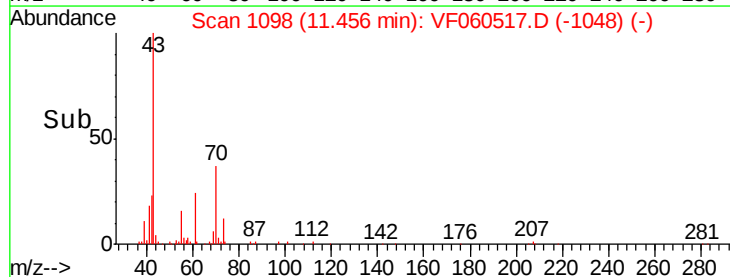
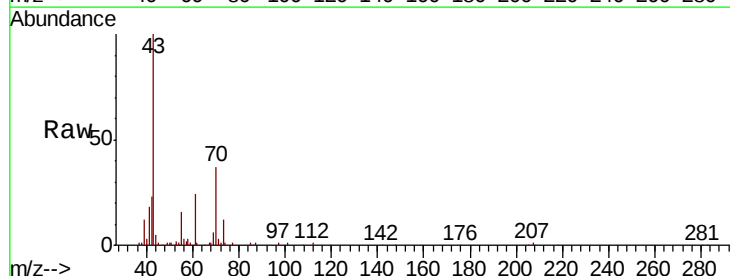
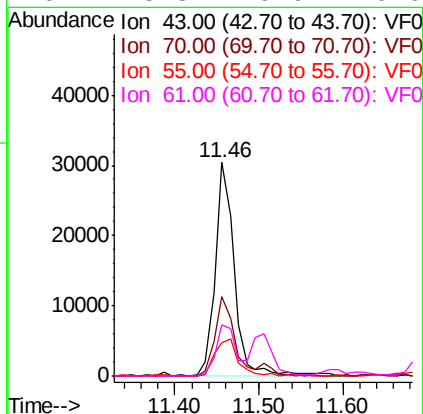
Ion Ratio Lower Upper

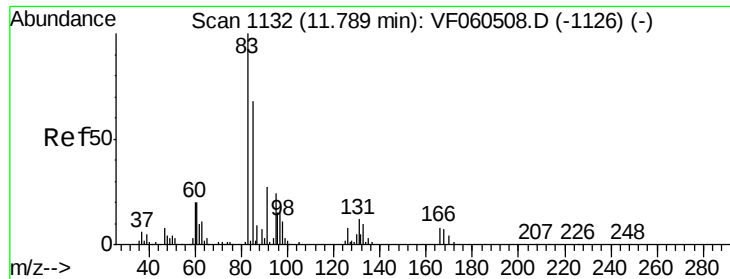
43 100

70 37.0 28.2 42.2

55 15.7 17.9 26.9#

61 23.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.429 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

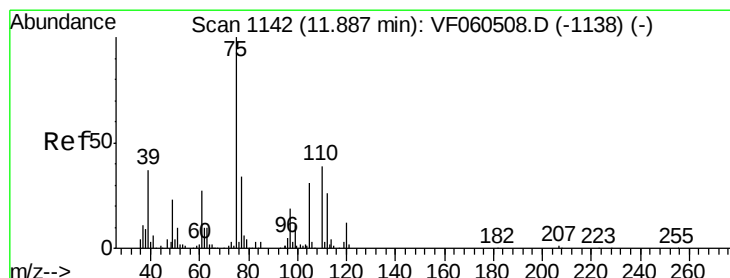
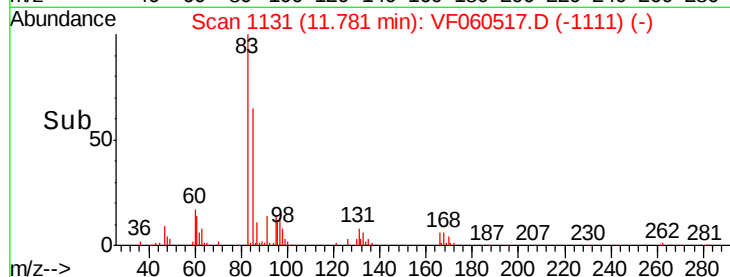
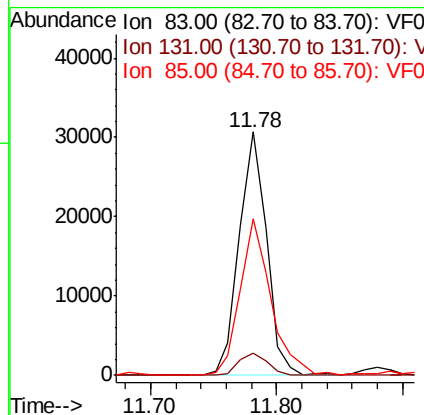
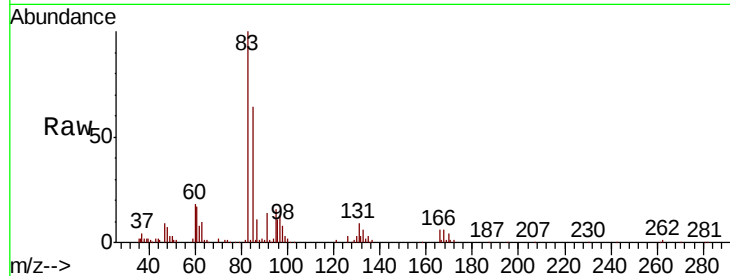
ClientSampleId :

VF1026SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.0	5.8	17.4
85	64.5	34.2	102.6

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#76

1,2,3-Trichloropropane

Concen: 20.750 ug/l

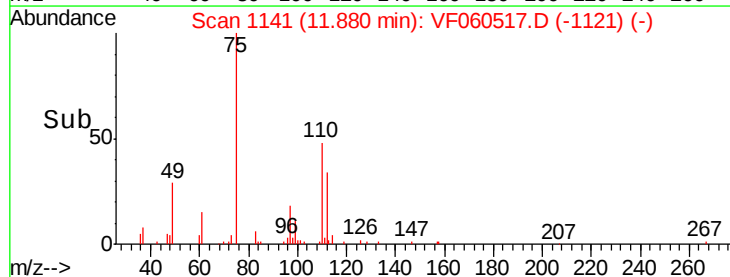
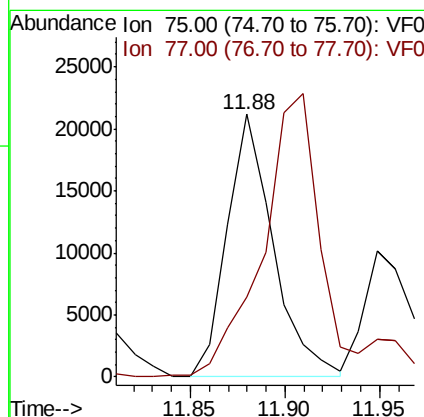
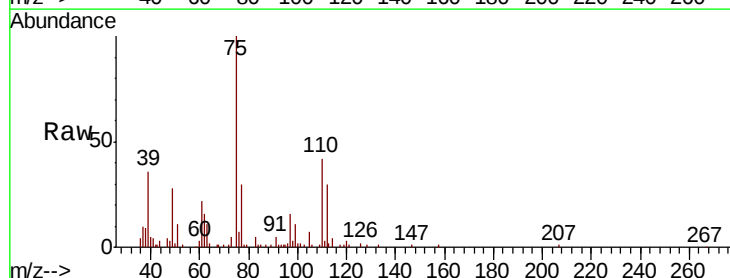
RT: 11.88 min Scan# 1141

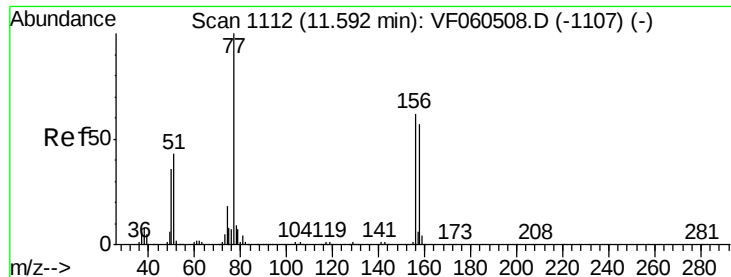
Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	17.2	51.5





#77

Bromobenzene

Concen: 21.501 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

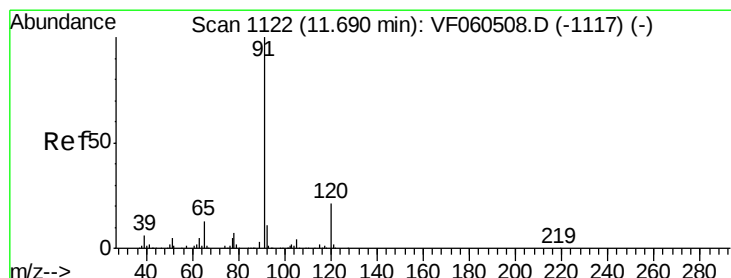
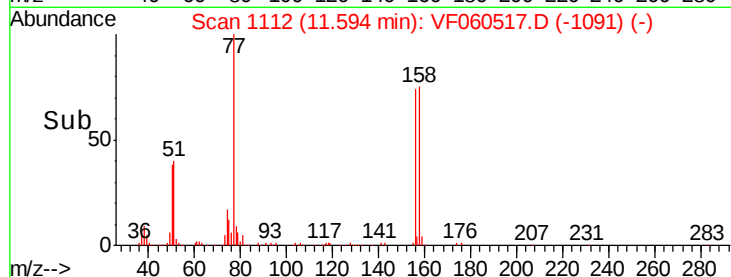
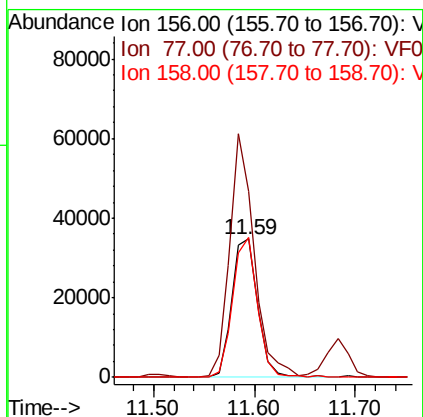
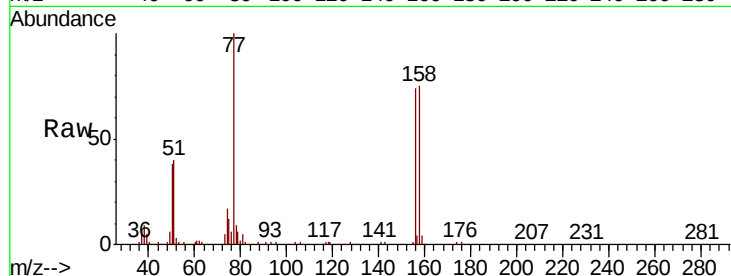
ClientSampleId :

VF1026SBS01

Tot Ion:	156	Resp:	61416
Ion	Ratio	Lower	Upper
156	100		
77	134.5	80.1	240.3
158	101.1	45.9	137.6

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#78

n-propylbenzene

Concen: 21.783 ug/l

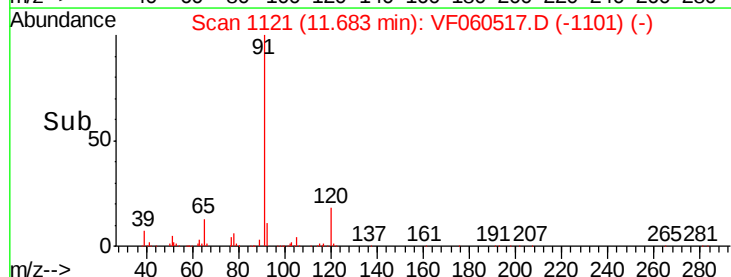
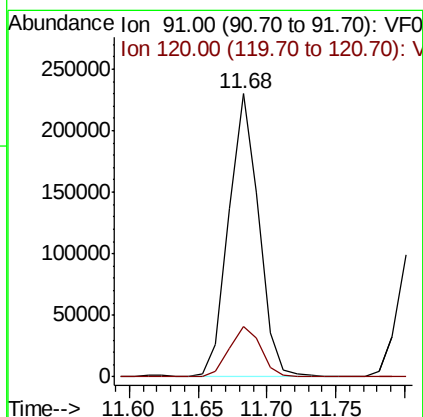
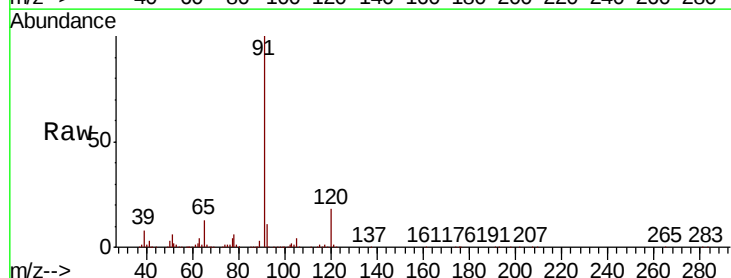
RT: 11.68 min Scan# 1121

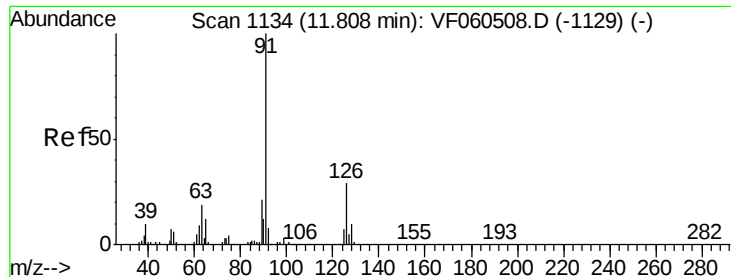
Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion:	91	Resp:	348902
Ion	Ratio	Lower	Upper
91	100		
120	17.9	10.3	30.9





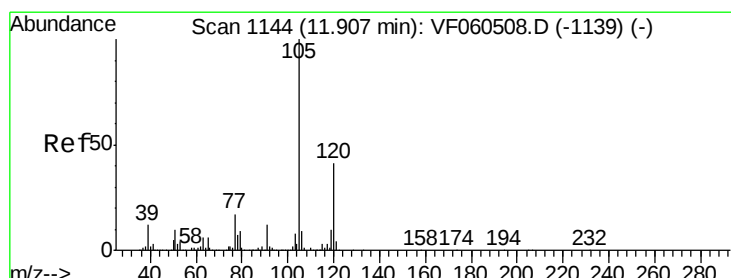
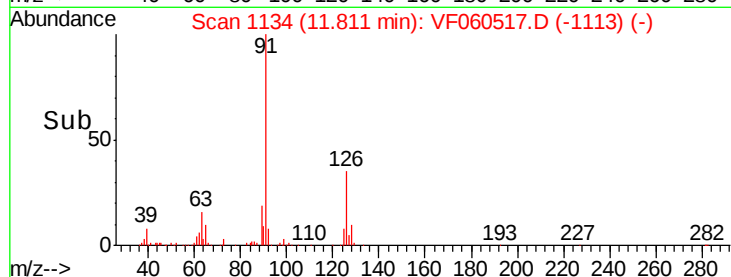
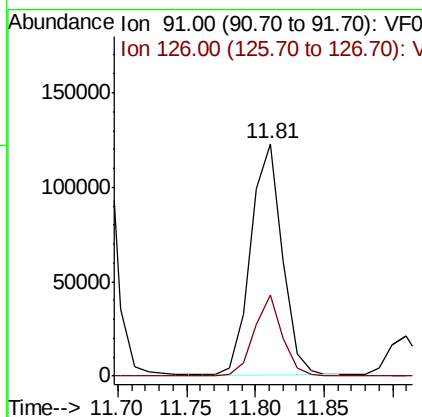
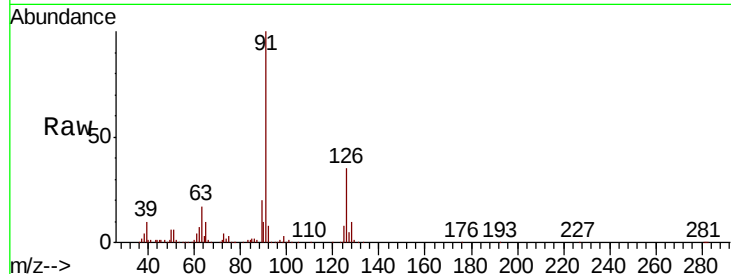
#79
2-Chlorotoluene
Concen: 20.194 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.7	14.4	43.2

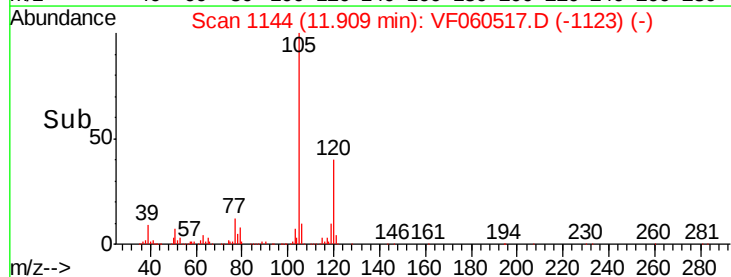
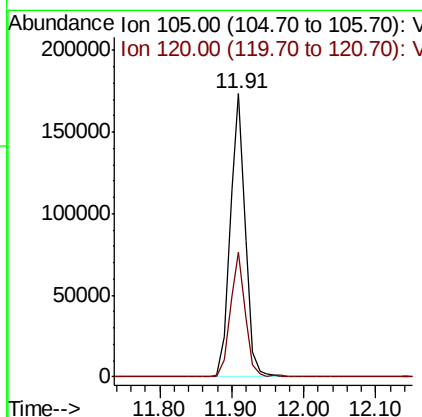
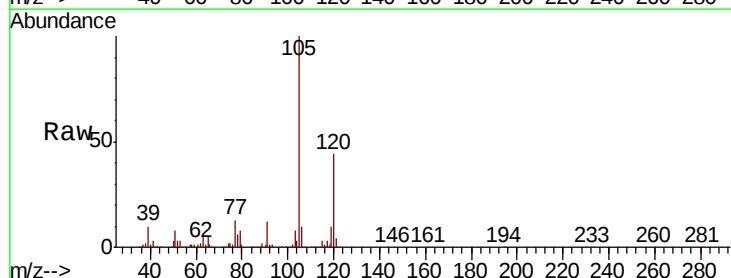
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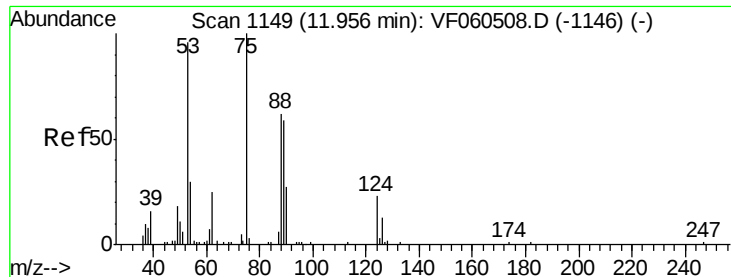
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#80
1,3,5-Trimethylbenzene
Concen: 20.800 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	20.6	61.9





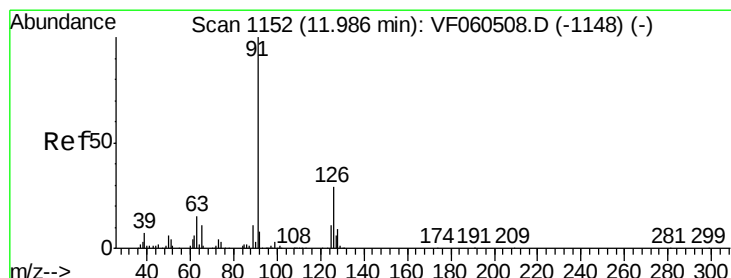
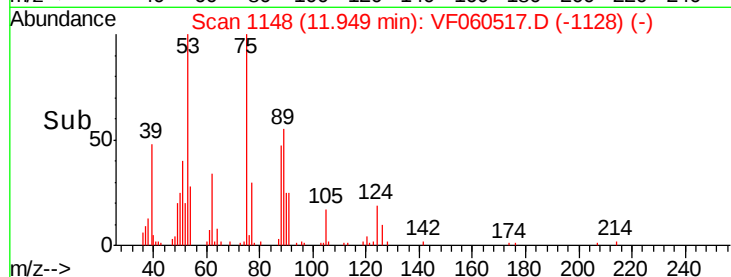
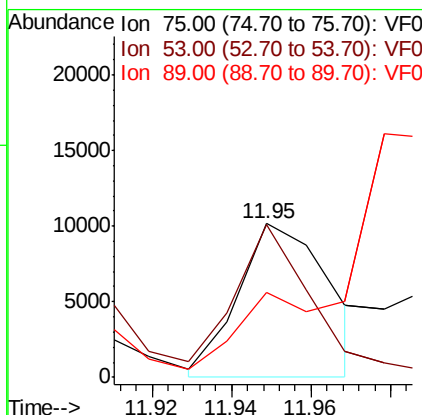
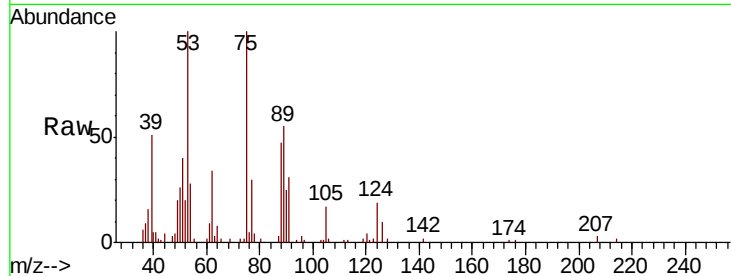
#81
trans-1,4-Dichloro-2-butene
Concen: 22.222 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.7	85.0	127.6
89	55.3	50.2	75.4

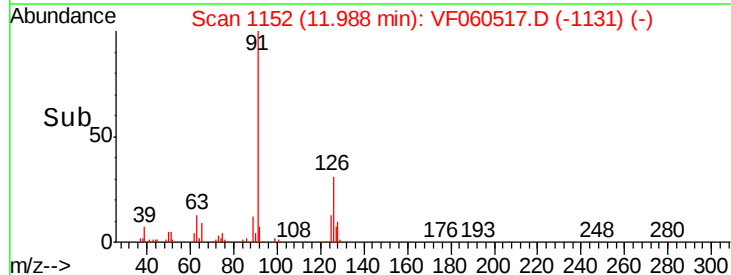
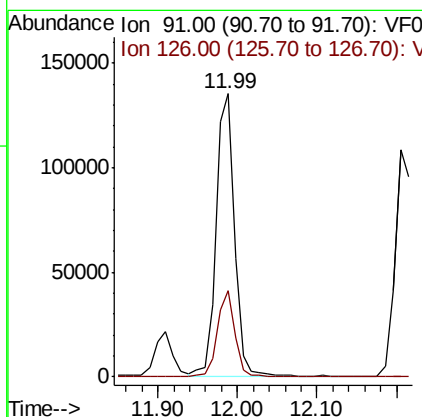
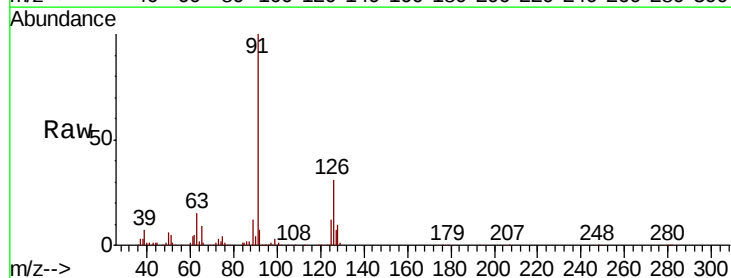
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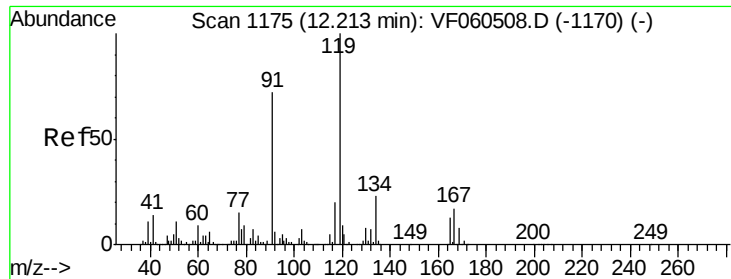
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#82
4-Chlorotoluene
Concen: 21.731 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.8	44.4





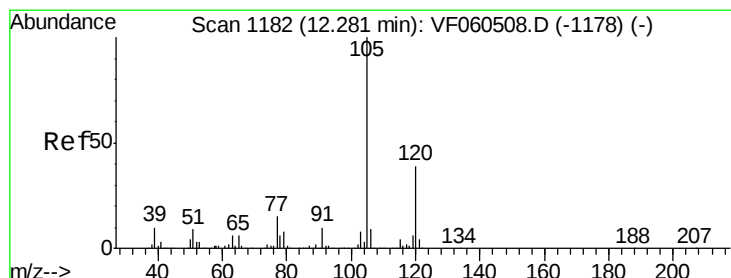
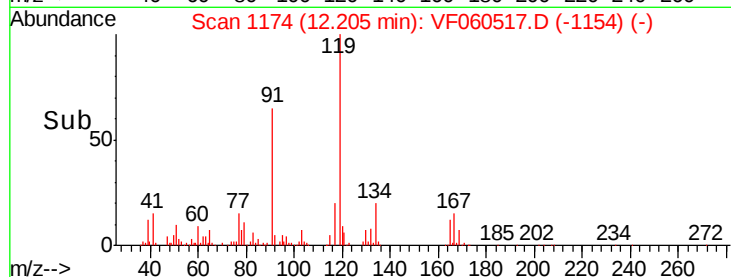
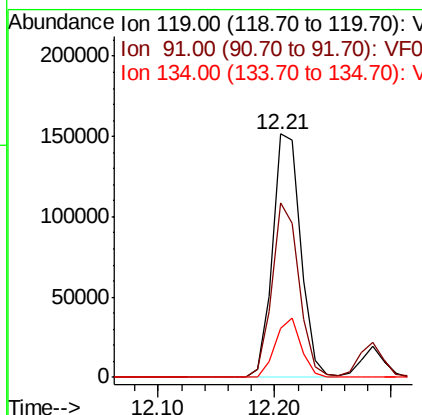
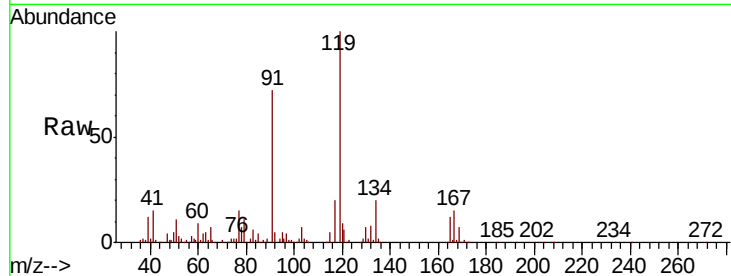
#83
 tert-Butylbenzene
 Concen: 20.892 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.8	36.3	108.9
134	20.3	11.4	34.2

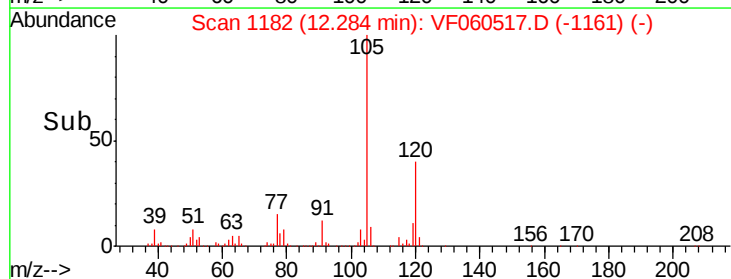
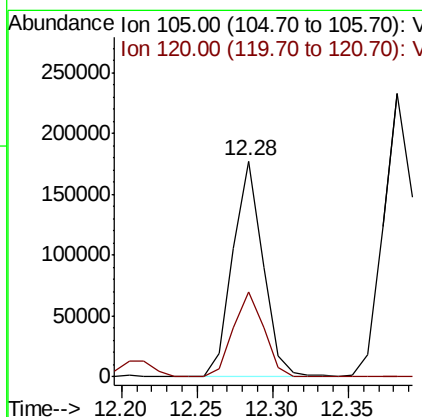
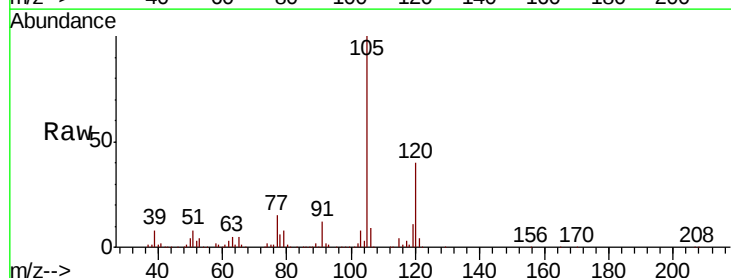
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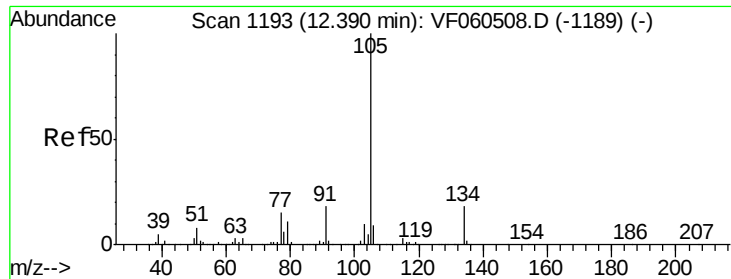
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.669 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.7	19.4	58.1





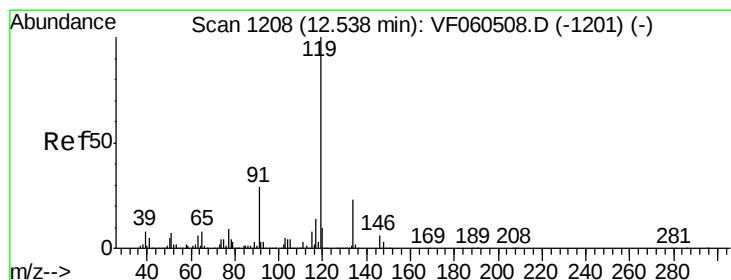
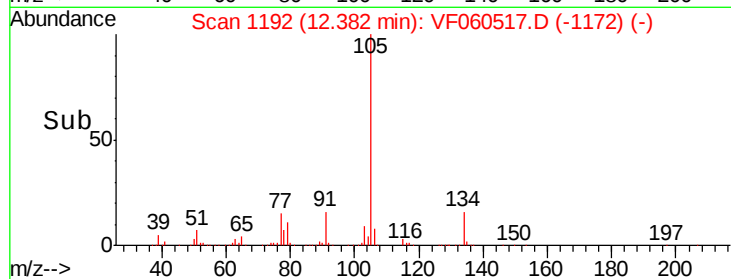
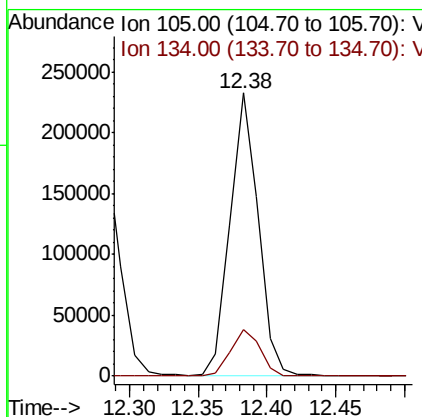
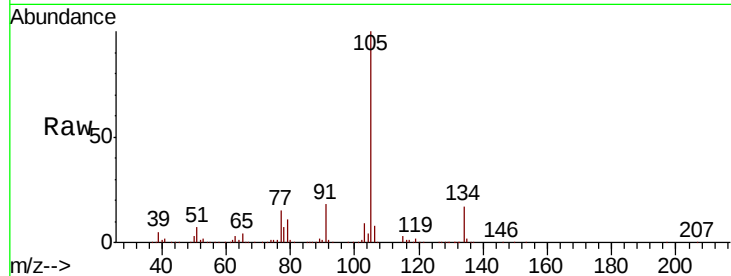
#85
 sec-Butylbenzene
 Concen: 20.362 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	332125		
134	16.5	9.2	27.4	

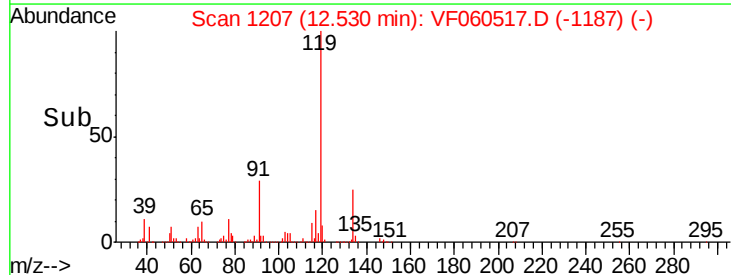
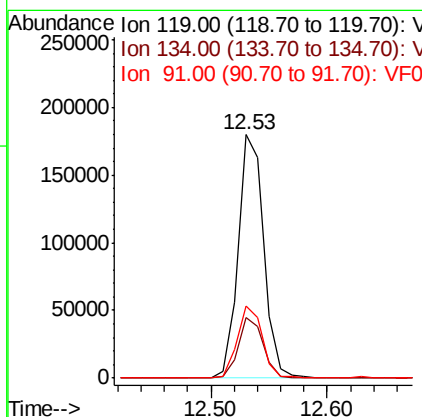
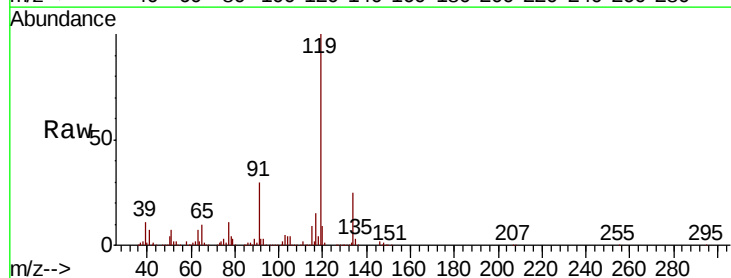
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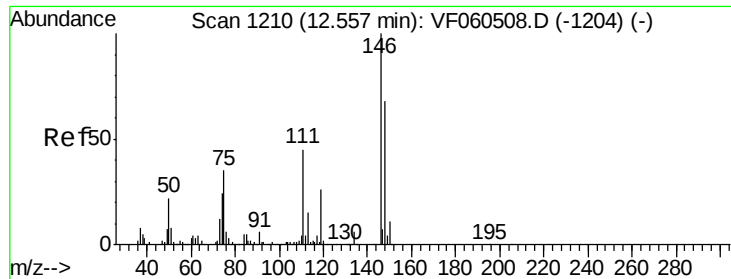
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#86
 p-Isopropyltoluene
 Concen: 19.711 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	273146		
134	24.7	11.7	35.0	
91	29.5	14.4	43.4	





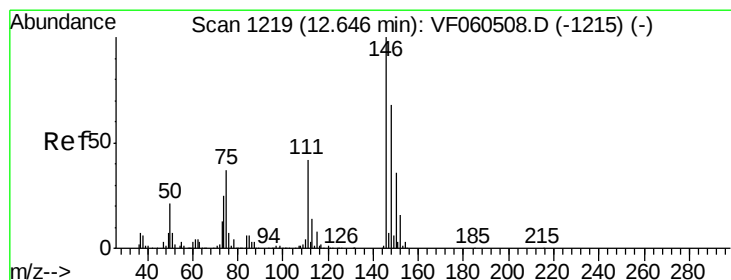
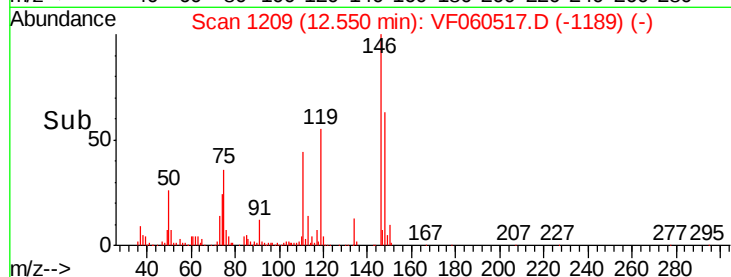
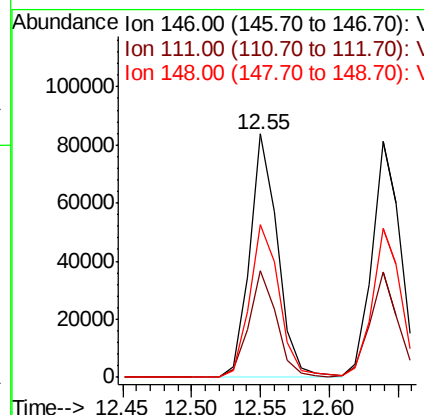
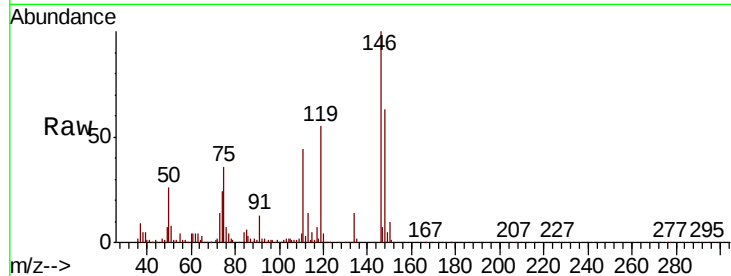
#87
 1,3-Dichlorobenzene
 Concen: 20.556 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.3	66.8
148	62.6	34.1	102.3

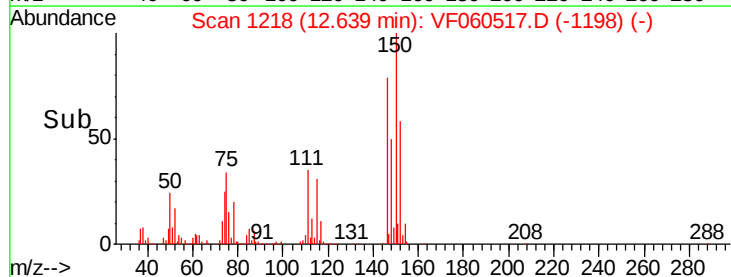
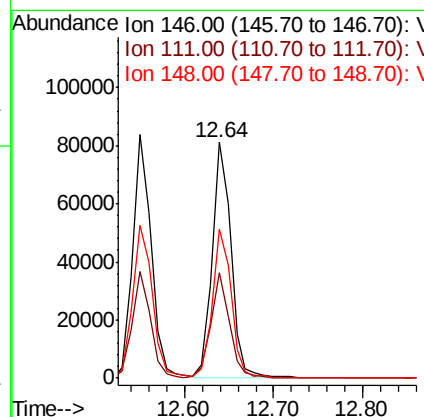
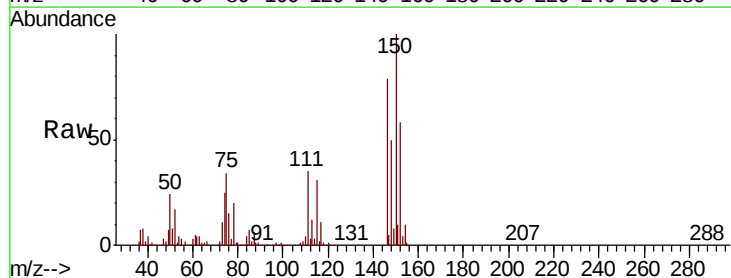
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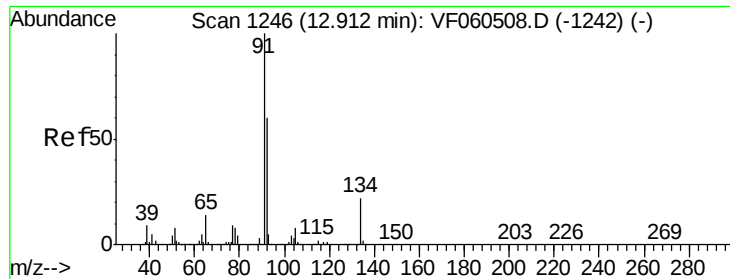
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#88
 1,4-Dichlorobenzene
 Concen: 21.244 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.1	63.3
148	63.4	33.9	101.7





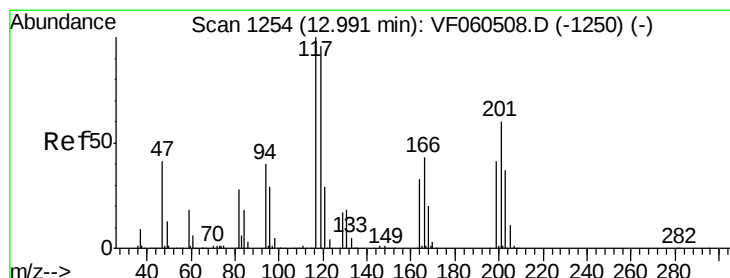
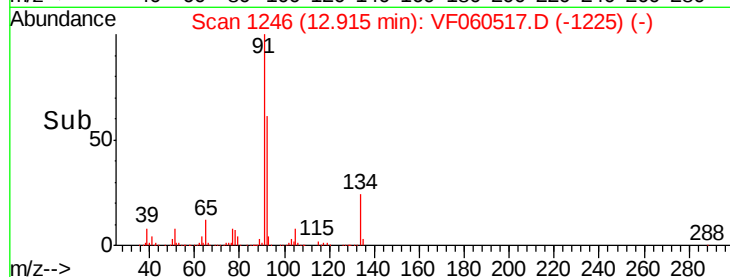
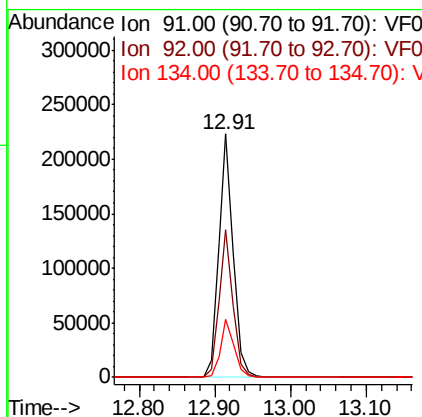
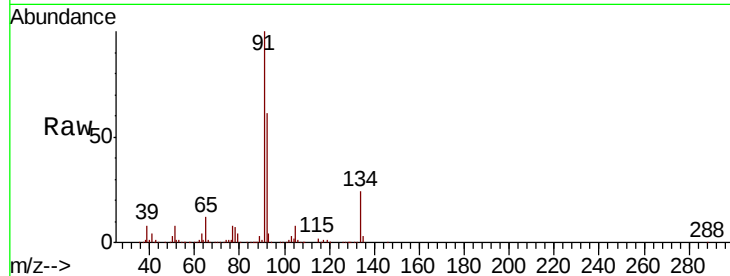
#89
n-Butylbenzene
Concen: 20.468 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Instrument :
MSVOA_F
ClientSampleId :
VF1026SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.8	29.8	89.3
134	24.0	10.9	32.7

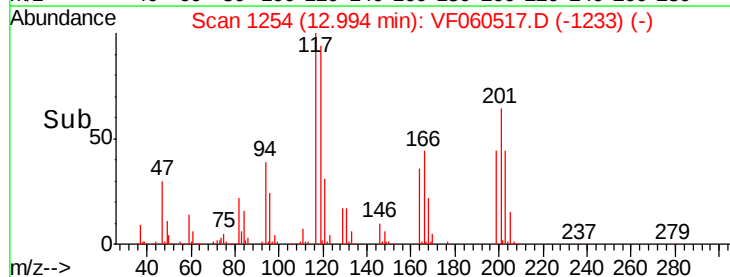
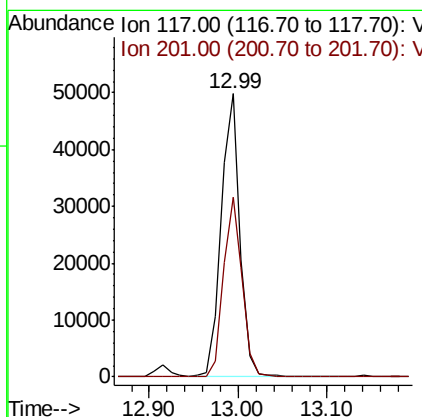
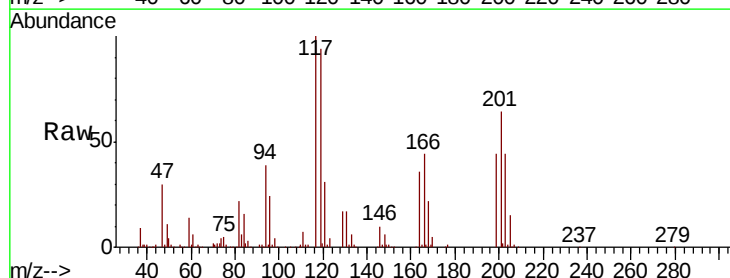
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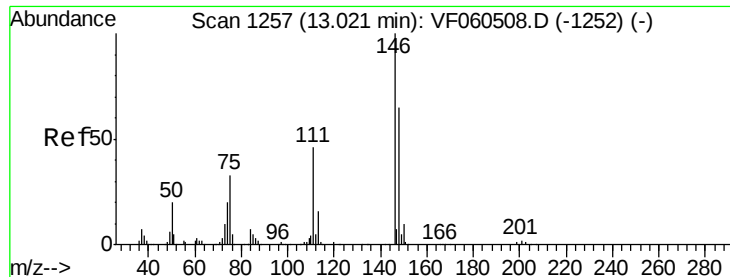
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#90
Hexachloroethane
Concen: 20.364 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060517.D
Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.4	30.1	90.5





#91

1,2-Dichlorobenzene

Concen: 20.857 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

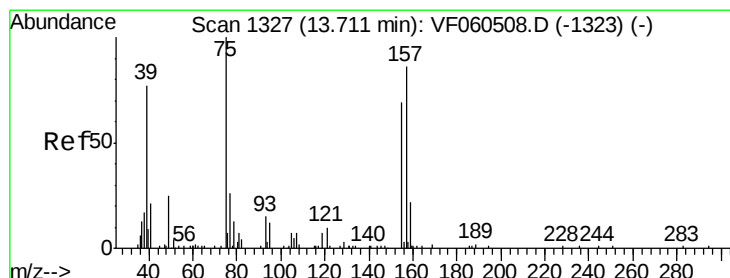
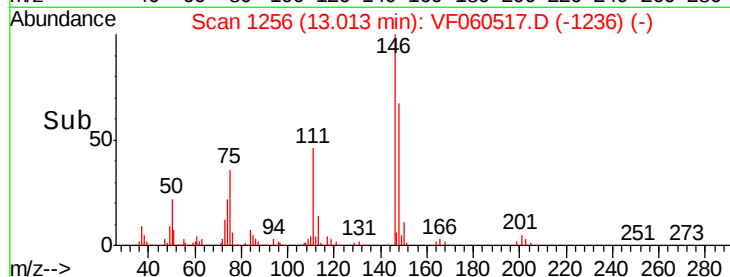
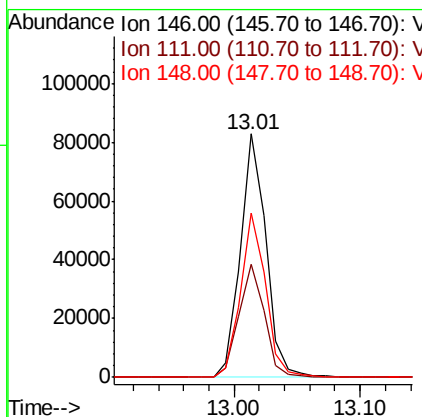
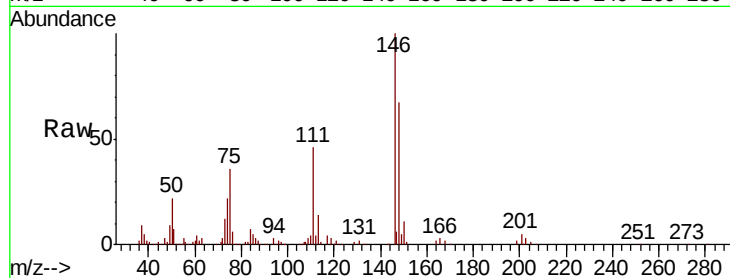
ClientSampleId :

VF1026SBS01

Tot Ion:	146	Resp:	116138
Ion Ratio	Lower	Upper	
146	100		
111	46.2	22.8	68.4
148	67.2	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.886 ug/l

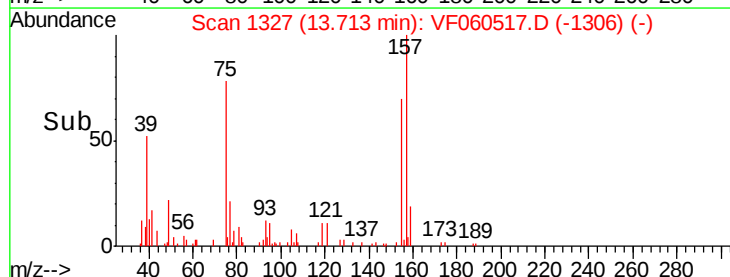
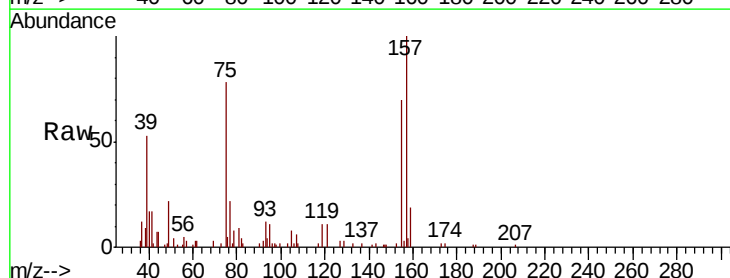
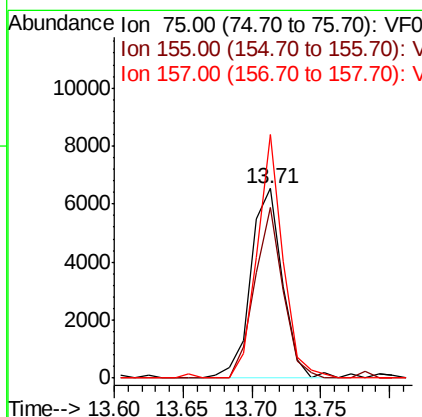
RT: 13.71 min Scan# 1327

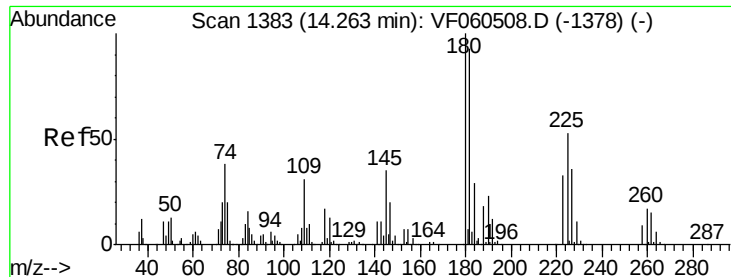
Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion:	75	Resp:	10511
Ion Ratio	Lower	Upper	
75	100		
155	94.0	34.7	104.1
157	133.4	42.9	128.5#





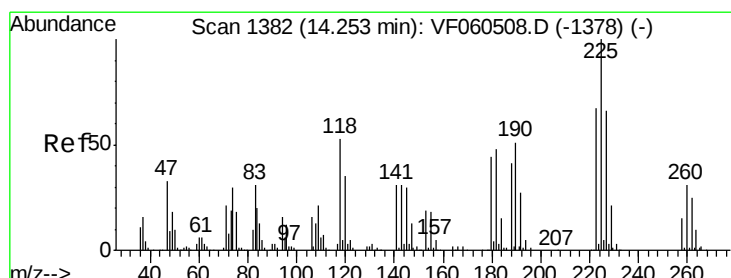
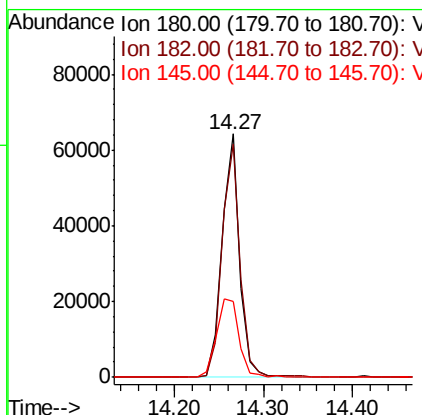
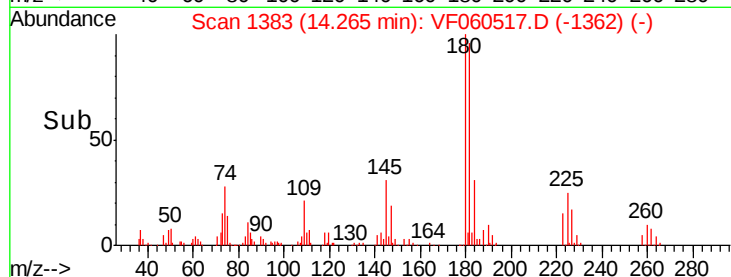
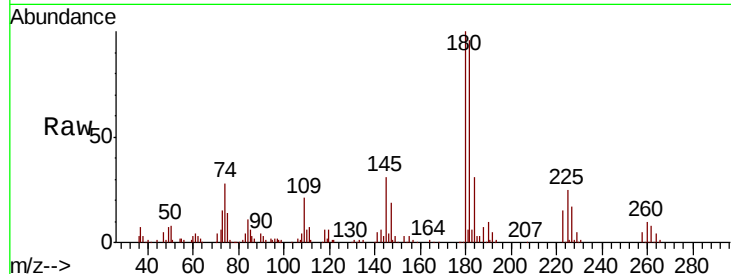
#93
 1,2,4-Trichlorobenzene
 Concen: 19.806 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1026SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.7	140.0
145	31.1	17.3	52.0

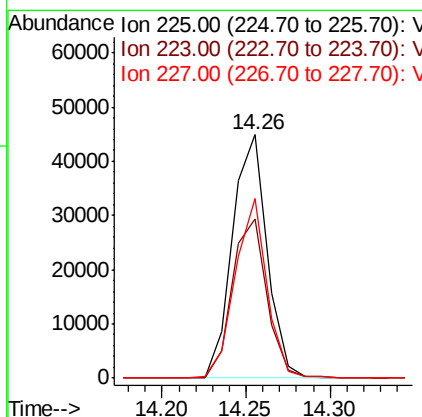
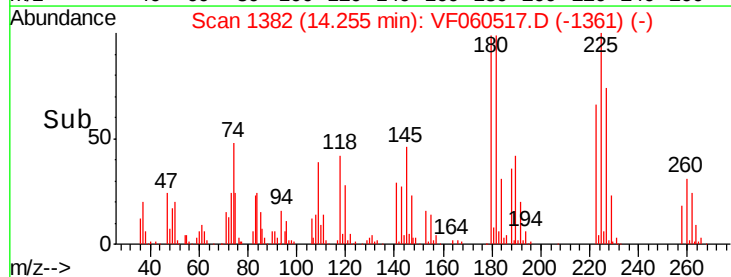
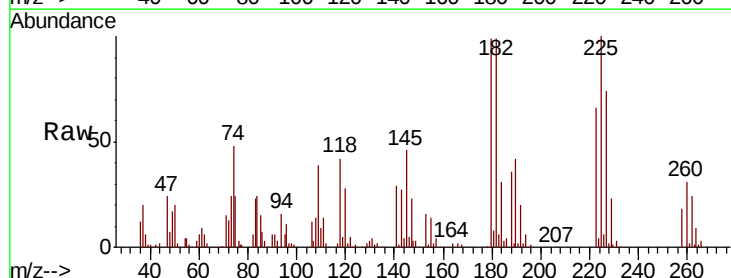
Manual Integrations
 APPROVED

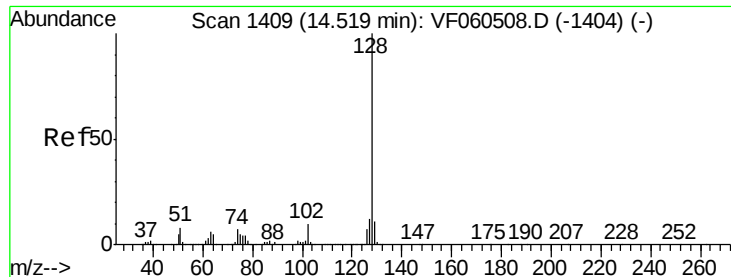
apatel
 10/29/2018 12:12:02 PM



#94
 Hexachlorobutadiene
 Concen: 18.905 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060517.D
 Acq: 26 Oct 2018 15:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	33.4	100.2
227	73.7	32.9	98.6





#95

Naphthalene

Concen: 19.026 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Instrument :

MSVOA_F

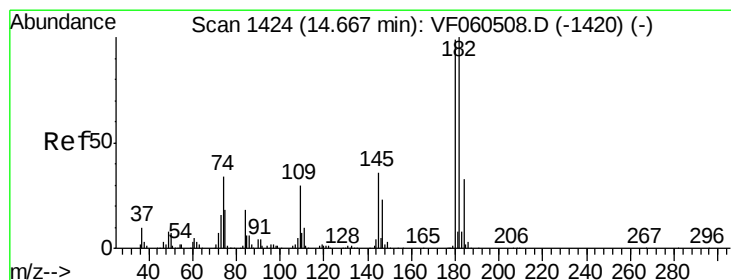
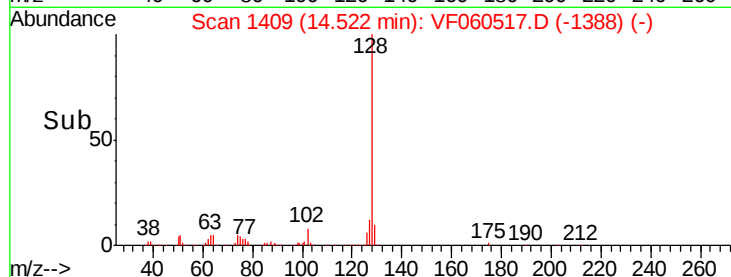
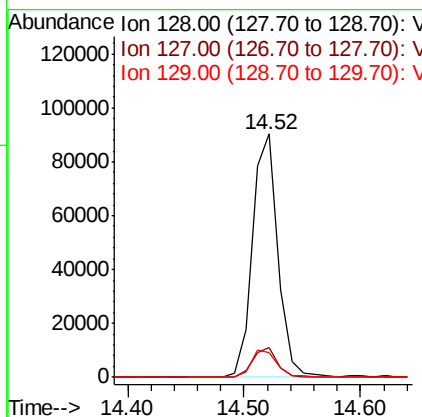
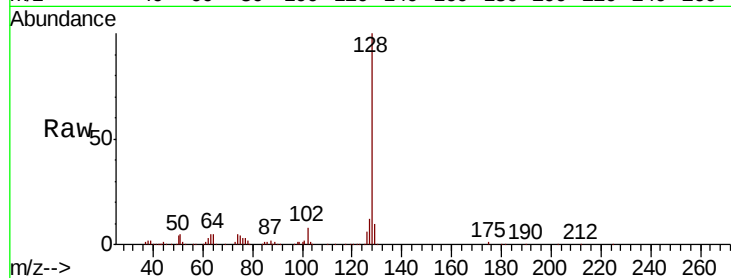
ClientSampleId :

VF1026SBS01

Tot Ion:	128	Resp:	136056
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.0	15.0
129	10.1	8.9	13.3

Manual Integrations
APPROVED

apatel
10/29/2018 12:12:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.419 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VF060517.D

Acq: 26 Oct 2018 15:35

Tgt Ion:	180	Resp:	85154
Ion Ratio	Lower	Upper	
180	100		
182	91.7	50.7	152.1
145	26.3	18.1	54.4

