

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100918\
 Data File : VF060500.D
 Acq On : 9 Oct 2018 20:31
 Operator : VA/AP
 Sample : VF1009SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

Manual Integrations
 APPROVED

apatel
 10/10/2018 12:34:16 PM

Quant Time: Oct 10 02:53:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 02:28:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	262562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	421442	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	369658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	202407	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	209462	52.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.20%	
35) Dibromofluoromethane	4.26	113	217631	56.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.20%	
50) Toluene-d8	7.67	98	461221	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.49	95	221858	54.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	123148	24.364	ug/l	100
3) Chloromethane	1.13	50	66535	20.845	ug/l #	87
4) Vinyl Chloride	1.18	62	75577	21.829	ug/l	96
5) Bromomethane	1.36	94	62077	22.799	ug/l	84
6) Chloroethane	1.42	64	41077	22.444	ug/l	93
7) Trichlorofluoromethane	1.53	101	162416	20.929	ug/l	89
8) Diethyl Ether	1.69	74	24123	21.725	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.88	101	85520	22.030	ug/l	95
10) Methyl Iodide	1.95	142	136400	22.162	ug/l #	97
11) Tert butyl alcohol	2.68	59	24456	117.214	ug/l	94
12) 1,1-Dichloroethene	1.85	96	68802	21.218	ug/l	96
13) Acrolein	2.07	56	12643m	110.511	ug/l	
14) Allyl chloride	2.17	41	106841	22.353	ug/l #	97
15) Acrylonitrile	3.06	53	46382	105.594	ug/l	94
16) Acetone	2.33	43	91232	105.806	ug/l	97
17) Carbon Disulfide	1.90	76	198245	21.984	ug/l #	93
18) Methyl Acetate	2.44	43	34009m	21.441	ug/l	
19) Methyl tert-butyl Ether	2.52	73	165346	22.652	ug/l	98
20) Methylene Chloride	2.30	84	65903m	21.758	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67313	22.241	ug/l	95
22) Diisopropyl ether	2.90	45	210224	21.396	ug/l #	98
23) Vinyl Acetate	3.31	43	374558	108.900	ug/l	96
24) 1,1-Dichloroethane	2.98	63	140797	21.353	ug/l	99
25) 2-Butanone	4.48	43	106350	111.972	ug/l	96
26) 2,2-Dichloropropane	3.72	77	69398	20.186	ug/l	99
27) cis-1,2-Dichloroethene	3.60	96	76092	21.538	ug/l	97
28) Bromochloromethane	3.85	49	46420	20.269	ug/l #	97
29) Tetrahydrofuran	4.22	42	45367	113.310	ug/l	94
30) Chloroform	4.00	83	165771	21.725	ug/l	100
31) Cyclohexane	3.83	56	89696	21.264	ug/l	88
32) 1,1,1-Trichloroethane	4.23	97	132869	22.104	ug/l	96
36) 1,1-Dichloropropene	4.42	75	106628	21.751	ug/l	97
37) Ethyl Acetate	4.26	43	43866	25.333	ug/l #	70
38) Carbon Tetrachloride	4.13	117	120041	24.378	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	101479	21.986	ug/l	96
40) Benzene	4.78	78	217437	21.603	ug/l	99
41) Methacrylonitrile	4.89	41	20510	20.847	ug/l #	91
42) 1,2-Dichloroethane	5.08	62	97042	21.253	ug/l	99
43) Isopropyl Acetate	7.08	43	49618	22.991	ug/l #	90
44) Trichloroethene	5.64	130	69769	22.252	ug/l	95
45) 1,2-Dichloropropane	6.36	63	55916	22.694	ug/l	98
46) Dibromomethane	6.22	93	41238	20.866	ug/l	94
47) Bromodichloromethane	6.51	83	110566	22.151	ug/l #	97
48) Methyl methacrylate	6.85	41	33863	23.164	ug/l	86
49) 1,4-Dioxane	6.84	88	5775	419.495	ug/l #	81
51) 4-Methyl-2-Pentanone	8.37	43	179209	119.040	ug/l	95
52) Toluene	7.74	92	135951	21.447	ug/l	95
53) t-1,3-Dichloropropene	8.40	75	84613	21.826	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	97539	21.603	ug/l	93
55) 1,1,2-Trichloroethane	8.61	97	40479	20.778	ug/l	93
56) Ethyl methacrylate	8.73	69	52110	23.118	ug/l	96
57) 1,3-Dichloropropane	8.97	76	75148	22.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.74	63	25115	109.647	ug/l #	100
59) 2-Hexanone	9.61	43	131709	120.950	ug/l	95
60) Dibromochloromethane	8.84	129	62627	20.480	ug/l	94
61) 1,2-Dibromoethane	9.10	107	48284	21.935	ug/l	91
64) Tetrachloroethene	8.27	164	66336	22.641	ug/l	90
65) Chlorobenzene	9.91	112	151861	21.154	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.04	131	66458	20.552	ug/l	94
67) Ethyl Benzene	10.01	91	296057	21.858	ug/l	96
68) m/p-Xylenes	10.24	106	202252	43.743	ug/l	94
69) o-Xylene	10.81	106	107659	21.411	ug/l	99
70) Styrene	10.88	104	164794	22.769	ug/l	96
71) Bromoform	10.87	173	33777	20.603	ug/l #	95
73) Isopropylbenzene	11.20	105	345959	22.994	ug/l	97
74) N-amyl acetate	11.44	43	77536	23.676	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	57205	22.621	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	43381	22.190	ug/l	97
77) Bromobenzene	11.58	156	71779	21.468	ug/l	90
78) n-propylbenzene	11.67	91	398418	22.234	ug/l	95
79) 2-Chlorotoluene	11.79	91	239911	22.870	ug/l	93
80) 1,3,5-Trimethylbenzene	11.89	105	279300	22.128	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	17493m	20.523	ug/l	
82) 4-Chlorotoluene	11.97	91	238718	22.056	ug/l	97
83) tert-Butylbenzene	12.20	119	283423	22.337	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	291205	22.724	ug/l	98
85) sec-Butylbenzene	12.37	105	377953	21.963	ug/l	96
86) p-Isopropyltoluene	12.52	119	319123	22.589	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	137908	21.654	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	134601	21.793	ug/l	94
89) n-Butylbenzene	12.90	91	344968	23.336	ug/l	95
90) Hexachloroethane	12.98	117	74820	22.148	ug/l	84
91) 1,2-Dichlorobenzene	13.01	146	130391	21.268	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11138	20.751	ug/l	93

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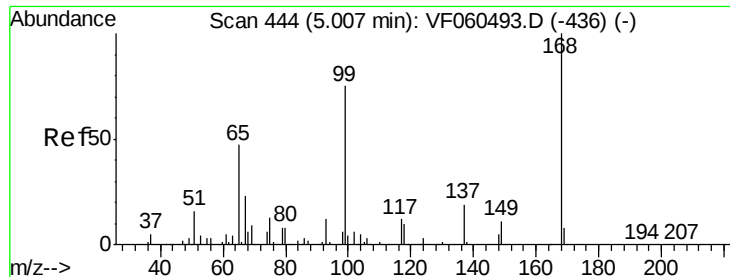
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	100568	21.241	ug/l	97
94) Hexachlorobutadiene	14.24	225	69492	21.589	ug/l	95
95) Naphthalene	14.50	128	180757	22.209	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	94662	21.461	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion:168 Resp: 262562

Ion Ratio Lower Upper

168 100

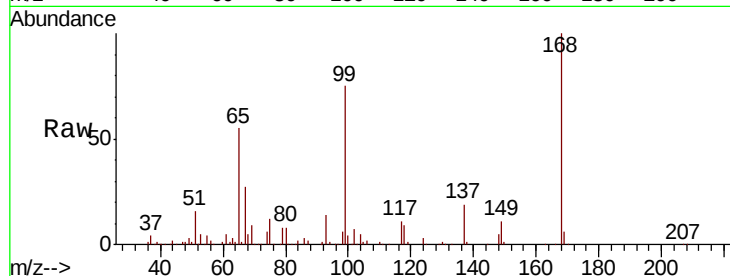
99 75.2 60.3 90.5

Manual Integrations

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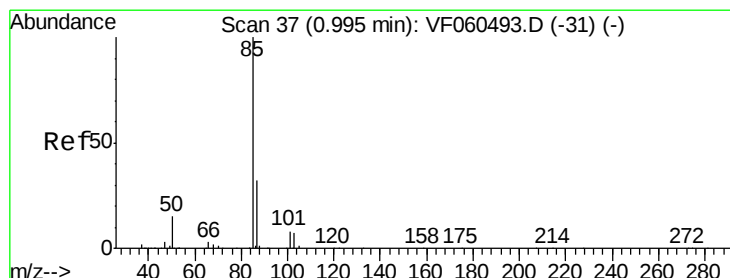
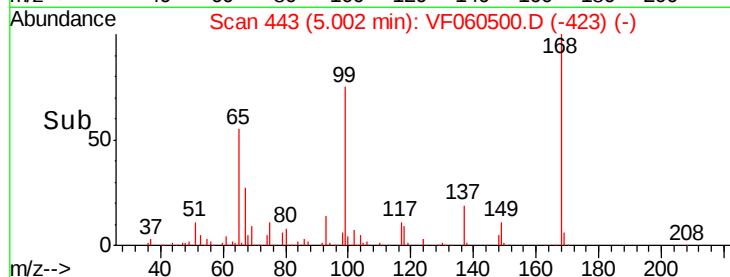
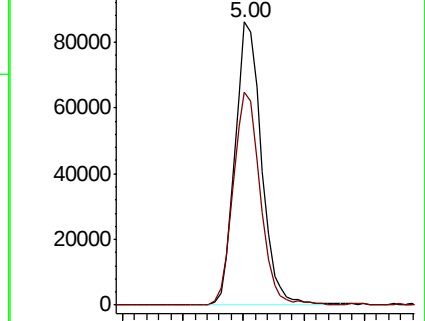
apatel

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 24.364 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060500.D

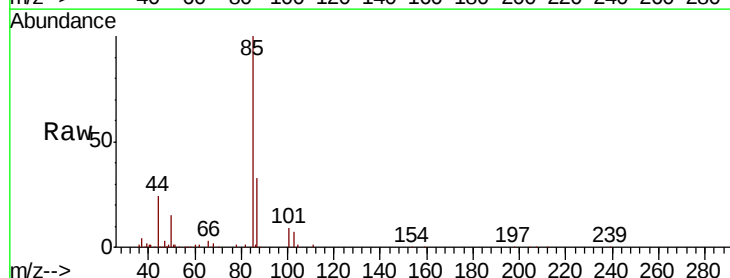
Acq: 9 Oct 2018 20:31

Tgt Ion: 85 Resp: 123148

Ion Ratio Lower Upper

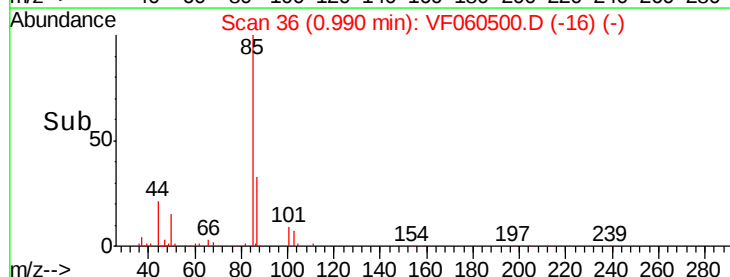
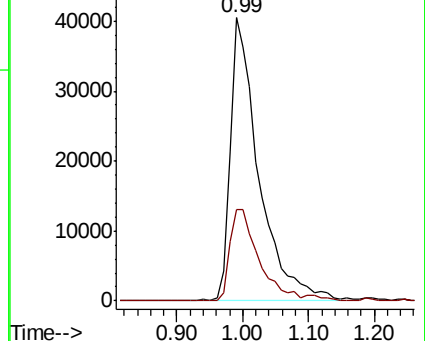
85 100

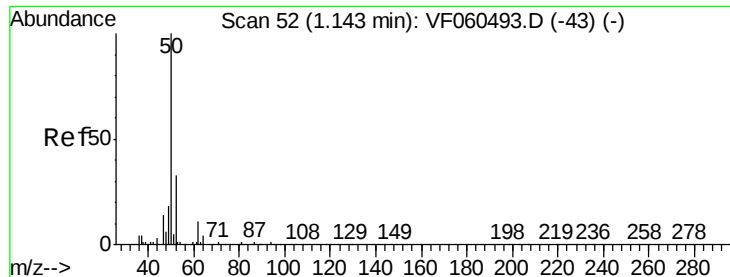
87 32.5 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 20.845 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion: 50 Resp: 66535

Ion Ratio Lower Upper

50 100

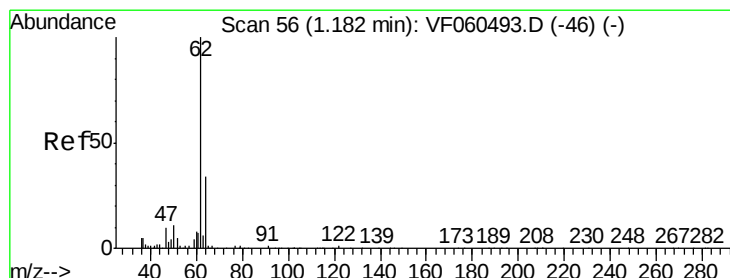
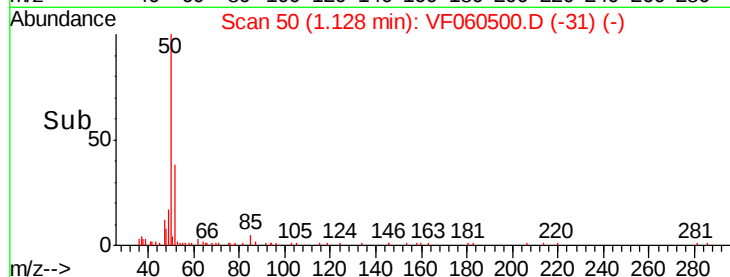
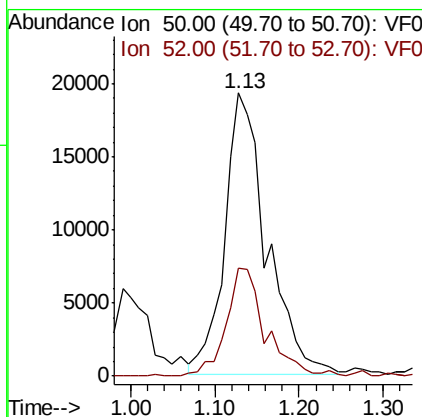
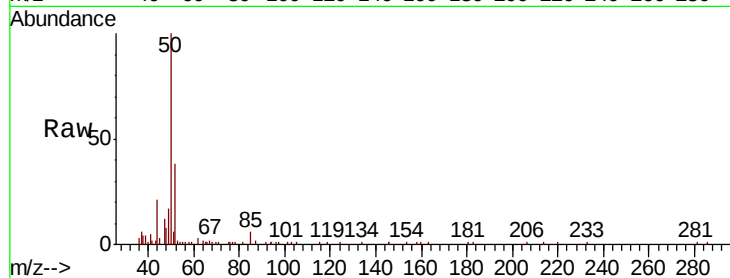
52 38.2 25.0 37.4#

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#4

Vinyl Chloride

Concen: 21.829 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060500.D

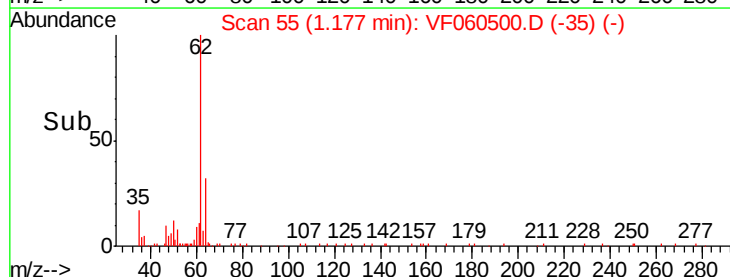
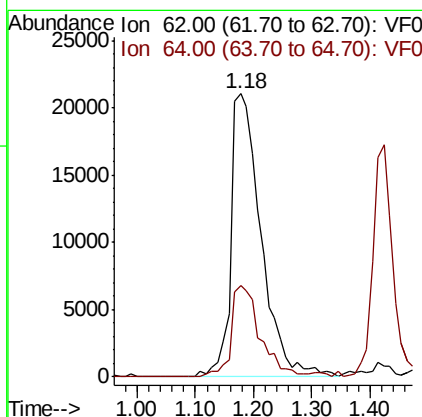
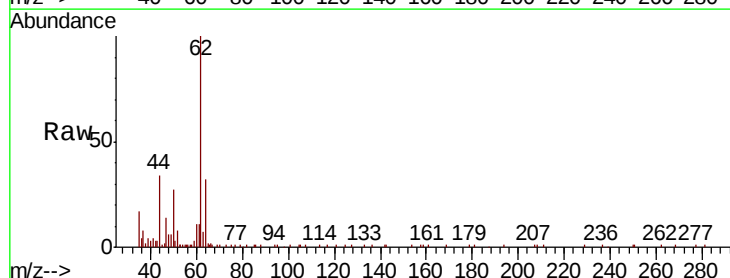
Acq: 9 Oct 2018 20:31

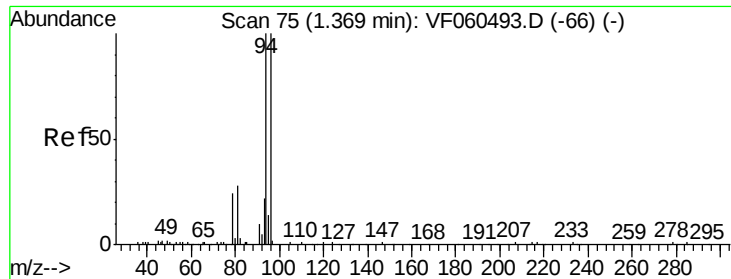
Tgt Ion: 62 Resp: 75577

Ion Ratio Lower Upper

62 100

64 32.2 27.5 41.3





#5

Bromomethane

Concen: 22.799 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion: 94 Resp: 62077

Ion Ratio Lower Upper

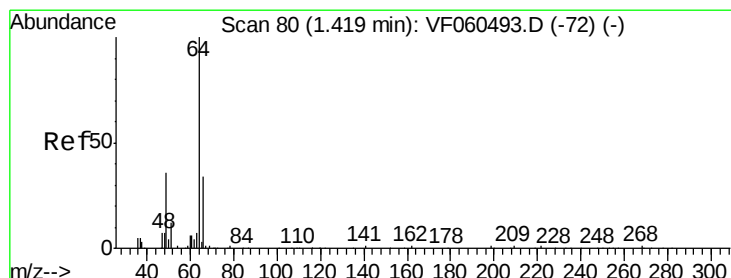
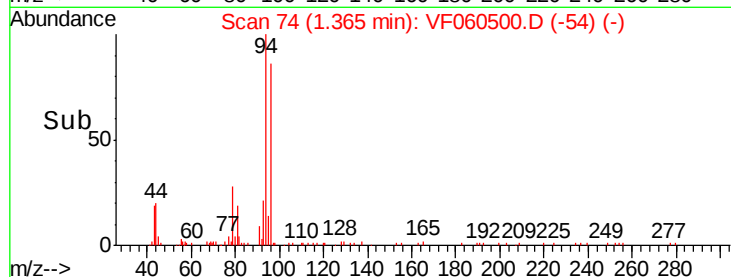
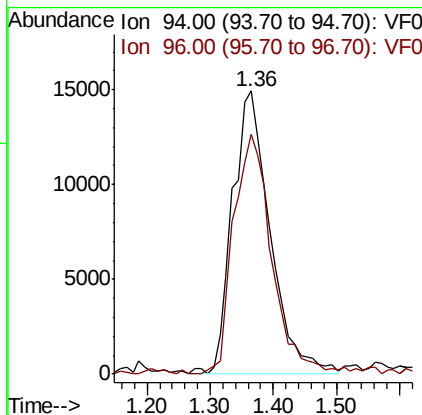
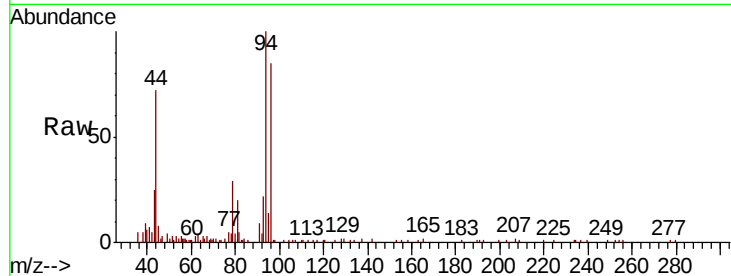
94 100

96 84.8 80.6 120.8

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10/10/2018 12:34:16 PM



#6

Chloroethane

Concen: 22.444 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.01 min

Lab File: VF060500.D

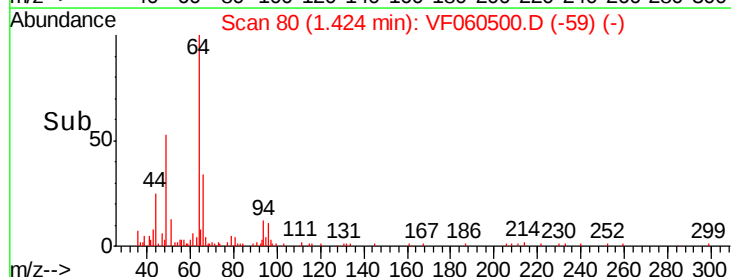
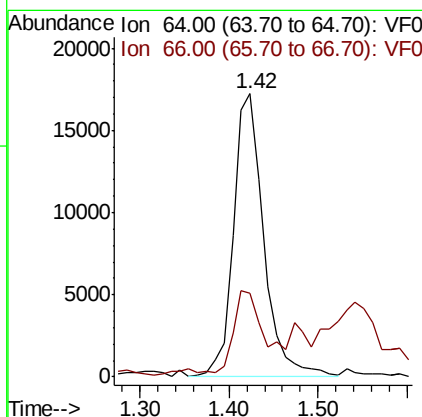
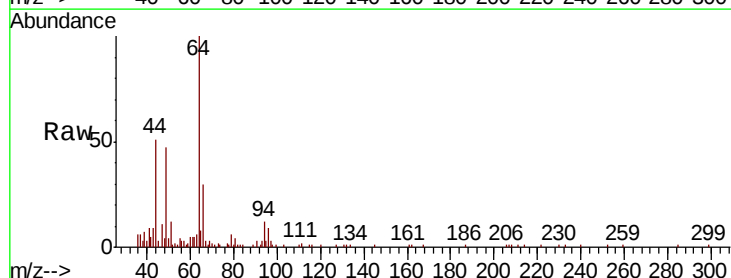
Acq: 9 Oct 2018 20:31

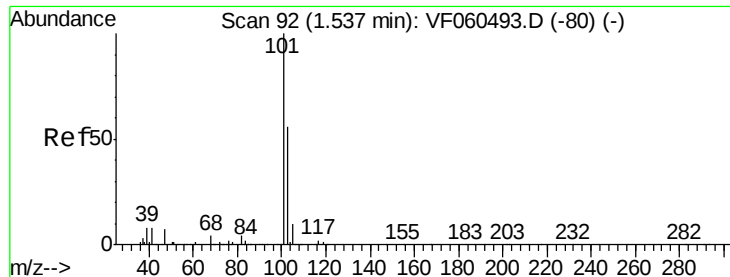
Tgt Ion: 64 Resp: 41077

Ion Ratio Lower Upper

64 100

66 29.7 27.0 40.6





#7

Trichlorofluoromethane

Concen: 20.929 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 162416

Ion Ratio Lower Upper

101 100

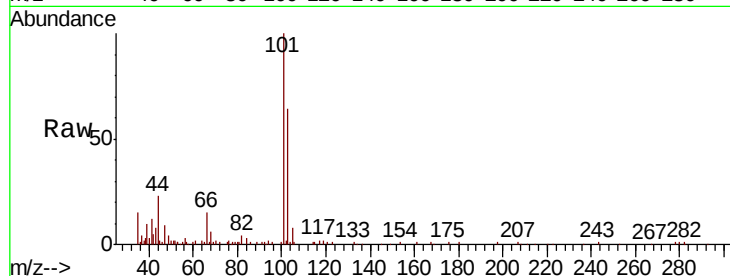
103 64.0 44.6 66.8

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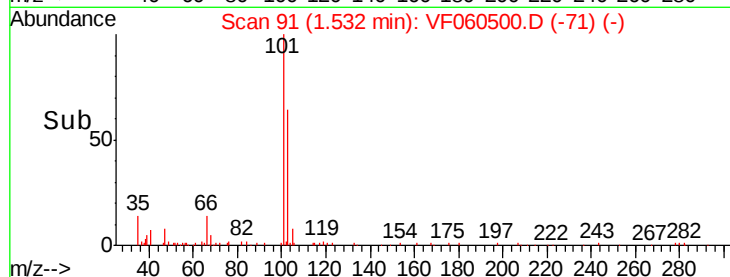


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.53

Time-->



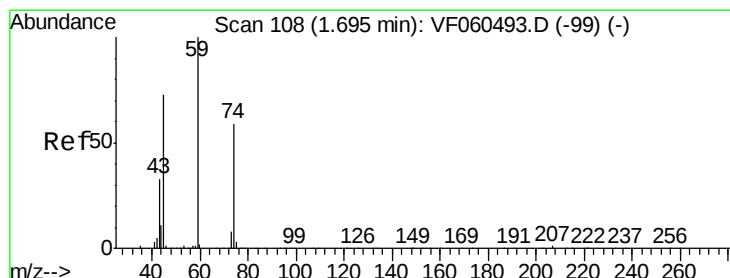
Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.53

Time-->



#8

Diethyl Ether

Concen: 21.725 ug/l

RT: 1.69 min Scan# 107

Delta R.T. -0.00 min

Lab File: VF060500.D

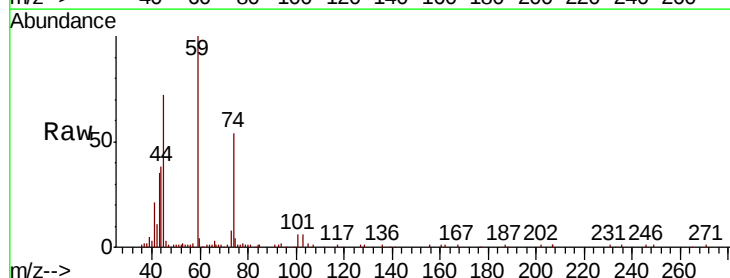
Acq: 9 Oct 2018 20:31

Tgt Ion: 74 Resp: 24123

Ion Ratio Lower Upper

74 100

45 132.0 62.7 188.1

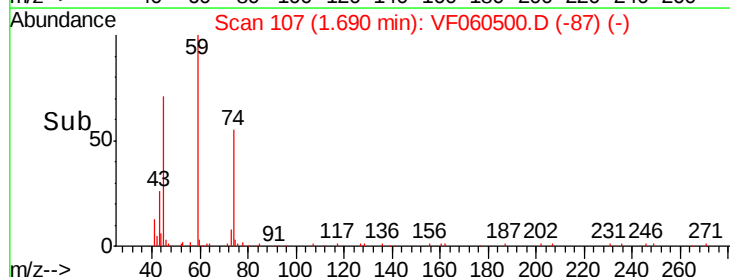


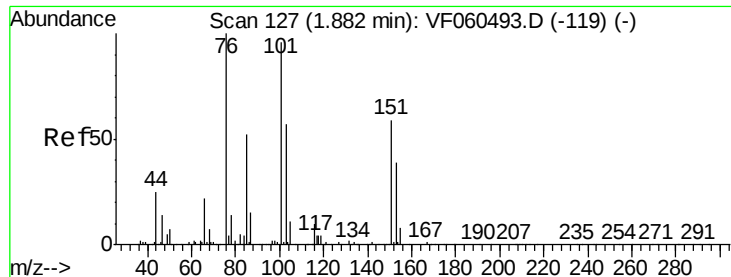
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.69

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.030 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

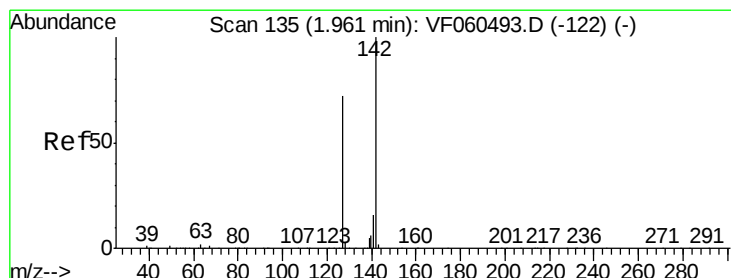
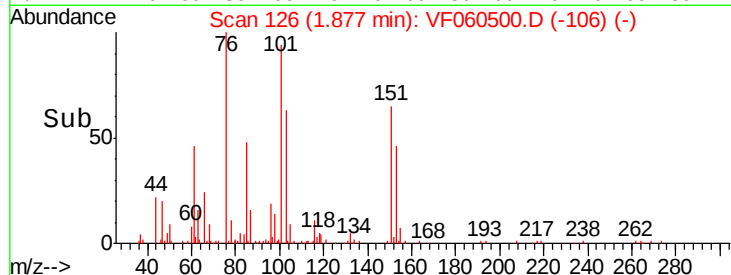
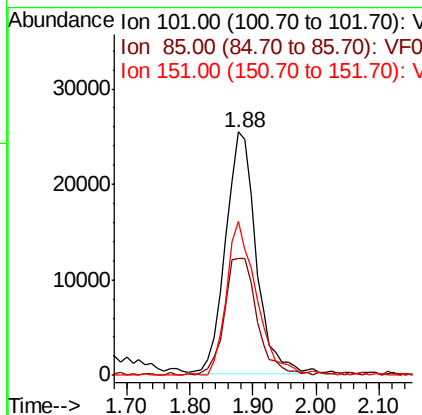
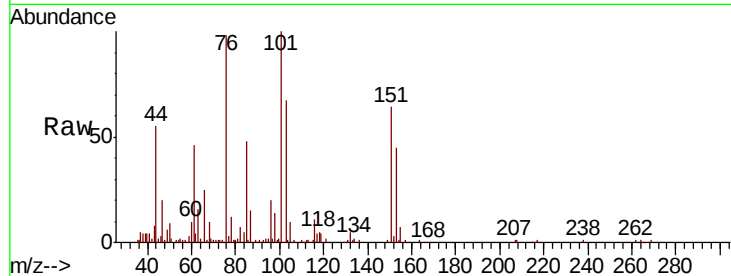
ClientSampleId :

VF1009SBSD01

Tot Ion:	101	Resp:	85520
Ion Ratio	Lower	Upper	
101	100		
85	48.9	41.8	62.6
151	63.5	47.4	71.0

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#10

Methyl Iodide

Concen: 22.162 ug/l

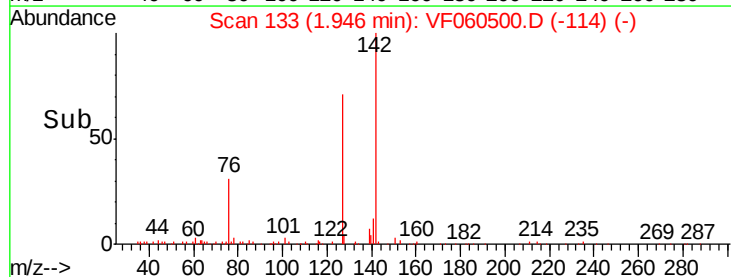
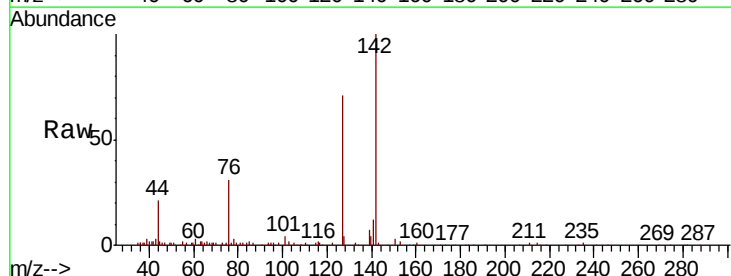
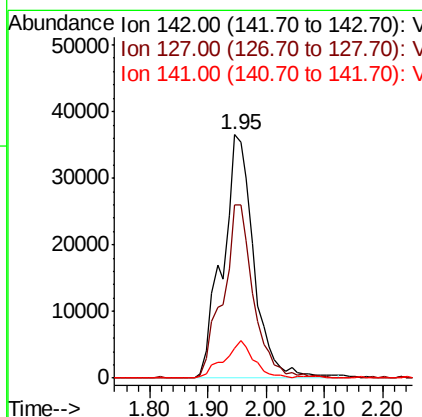
RT: 1.95 min Scan# 133

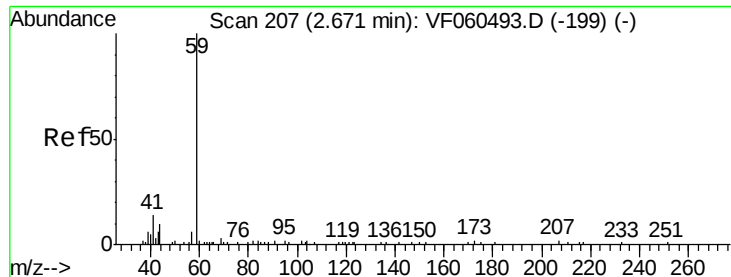
Delta R.T. -0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion:	142	Resp:	136400
Ion Ratio	Lower	Upper	
142	100		
127	71.0	57.9	86.9
141	12.2	12.7	19.1#





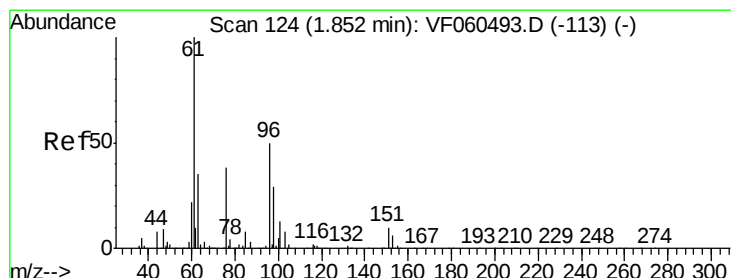
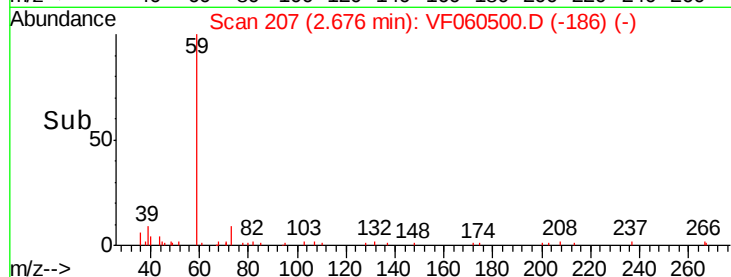
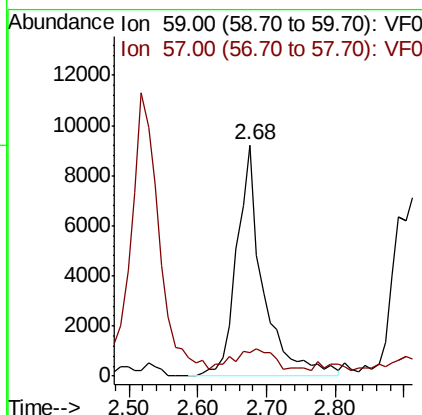
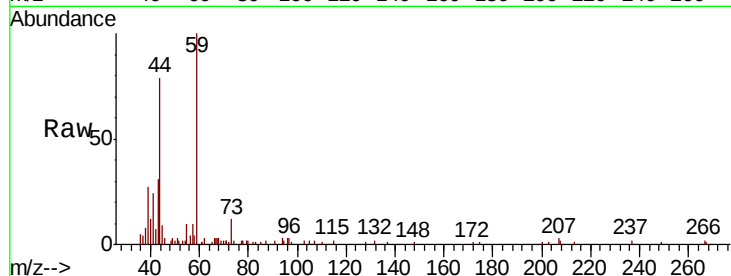
#11
Tert butyl alcohol
Concen: 117.214 ug/l
RT: 2.68 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	59	Resp	24456
Ion Ratio	100	Lower	Upper
57	10.2	10.2	15.2

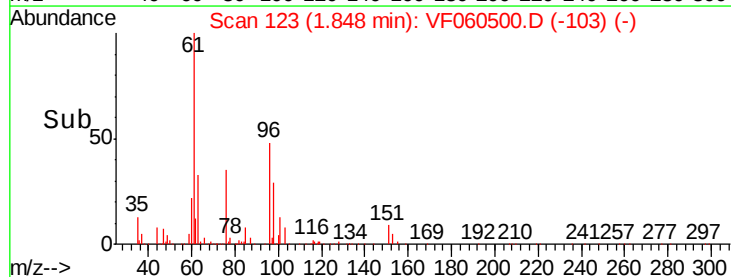
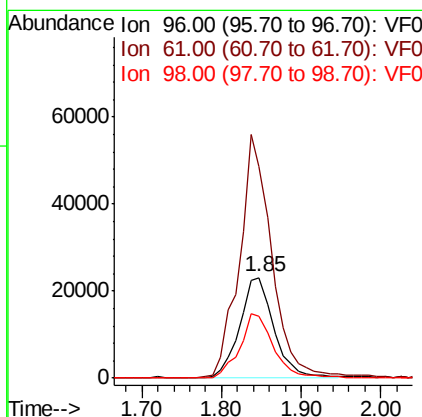
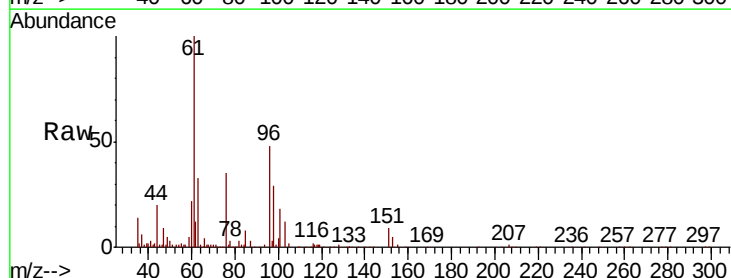
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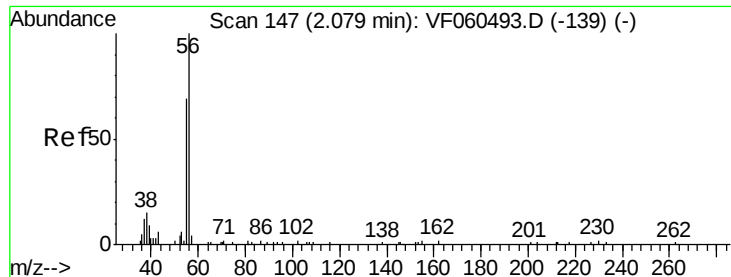
apatel
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#12
1,1-Dichloroethene
Concen: 21.218 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	96	Resp	68802
Ion Ratio	100	Lower	Upper
61	210.0	161.9	242.9
98	61.4	47.4	71.2





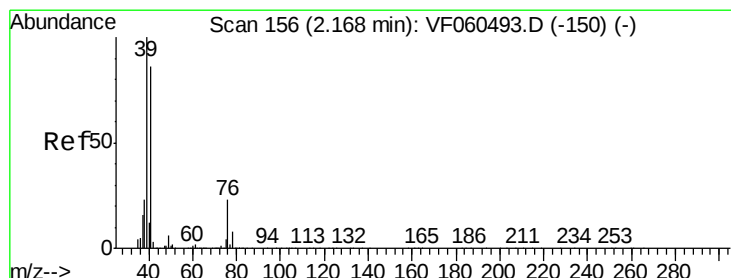
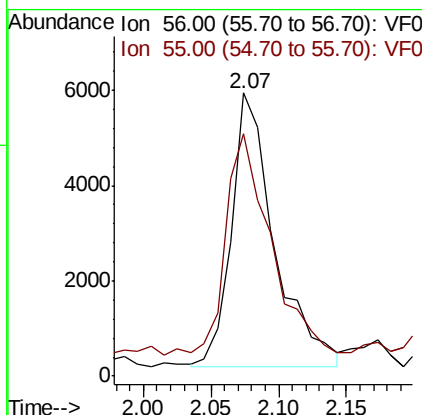
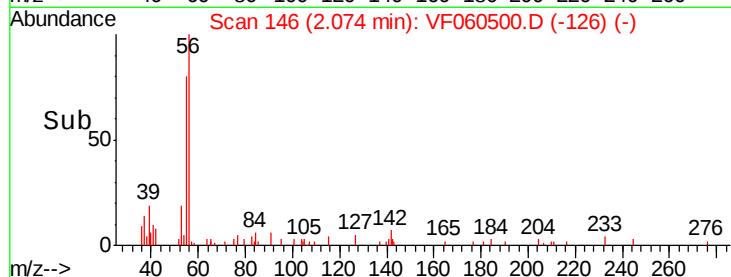
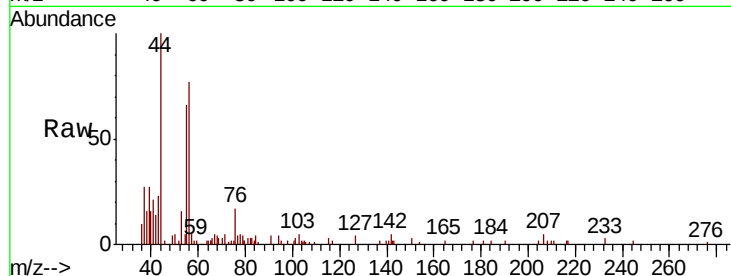
#13
Acrolein
Concen: 110.511 ug/l m
RT: 2.07 min Scan# 146
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	85.6	55.3	82.9#

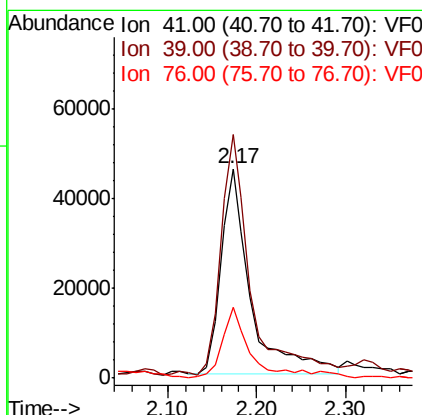
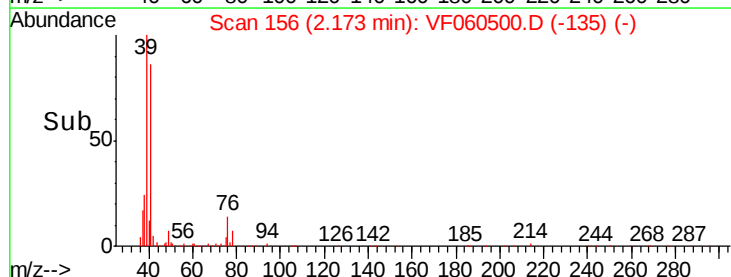
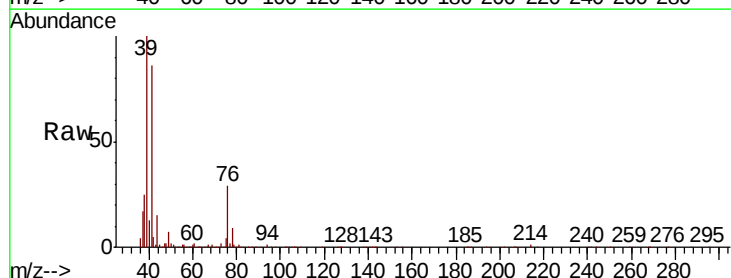
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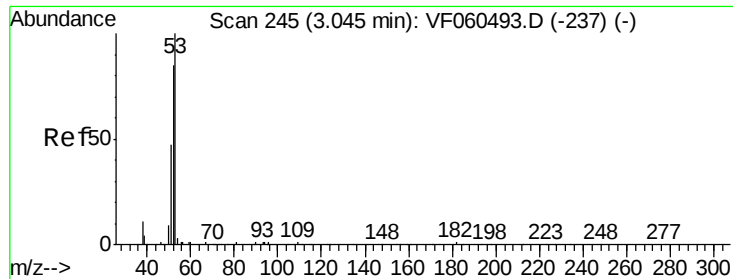
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#14
Allyl chloride
Concen: 22.353 ug/l
RT: 2.17 min Scan# 156
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
41	100		
39	116.2	93.1	139.7
76	34.1	21.6	32.4#





#15

Acrylonitrile

Concen: 105.594 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

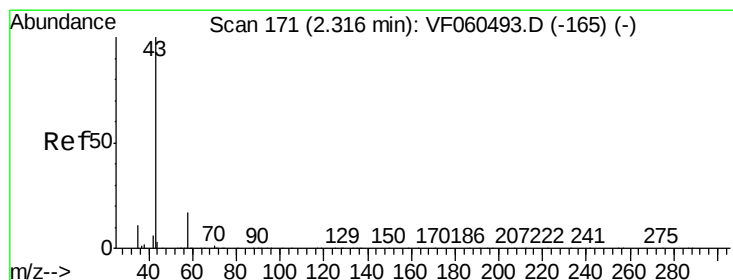
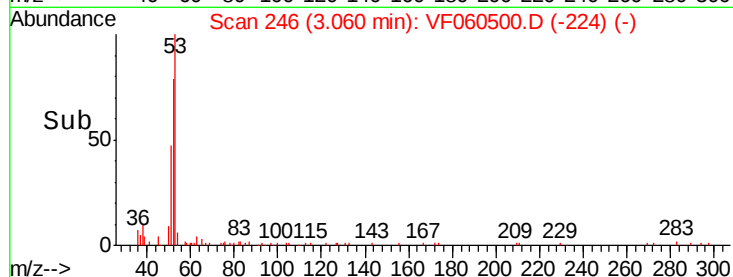
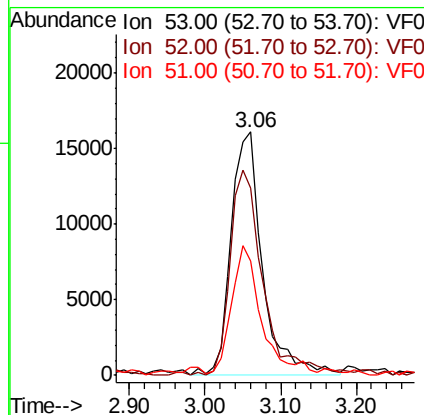
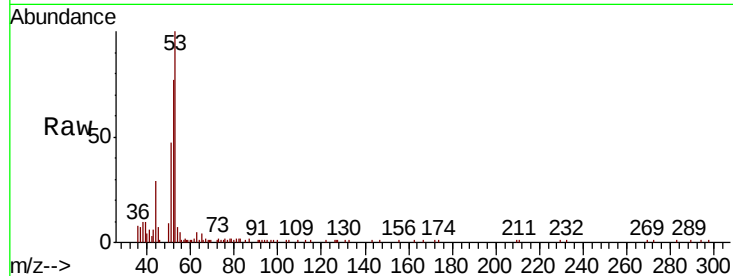
ClientSampleId :

VF1009SBSD01

Tot Ion:	53	Resp:	46382
Ion	Ratio	Lower	Upper
53	100		
52	77.1	67.5	101.3
51	46.7	38.2	57.4

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#16

Acetone

Concen: 105.806 ug/l

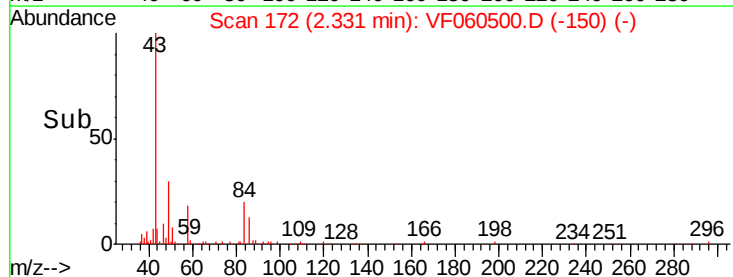
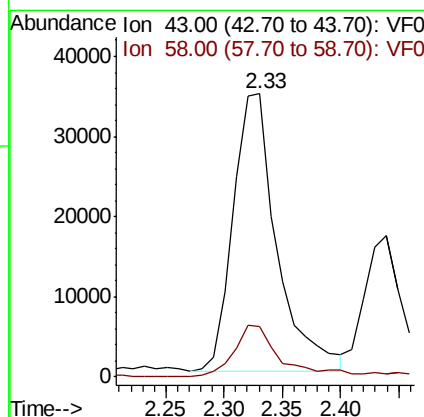
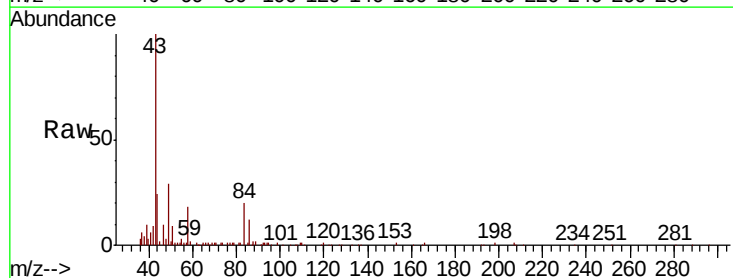
RT: 2.33 min Scan# 172

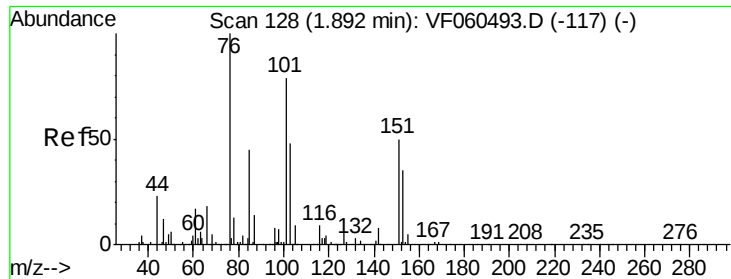
Delta R.T. 0.02 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion:	43	Resp:	91232
Ion	Ratio	Lower	Upper
43	100		
58	17.8	13.2	19.8





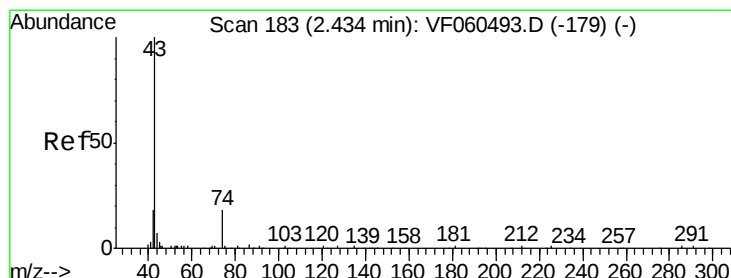
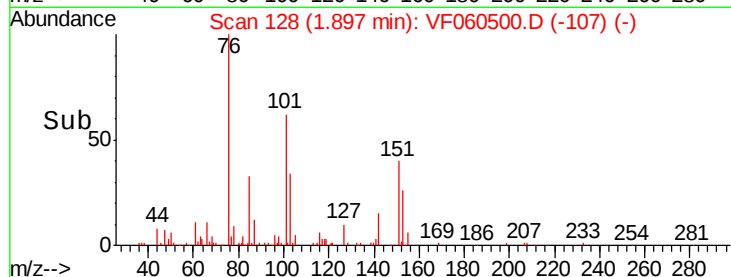
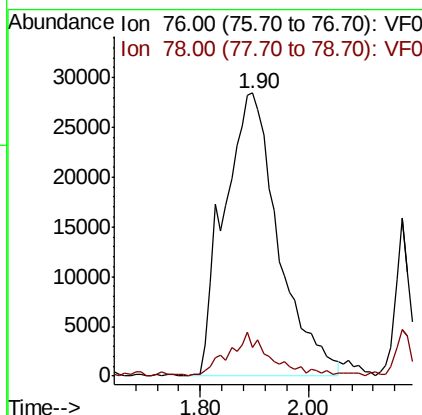
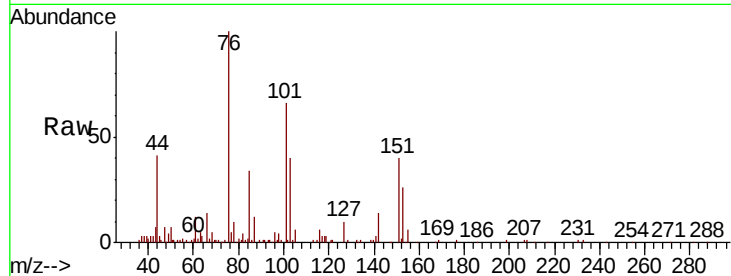
#17
Carbon Disulfide
Concen: 21.984 ug/l
RT: 1.90 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion: 76 Resp: 198245
Ion Ratio Lower Upper
76 100
78 10.2 10.5 15.7#

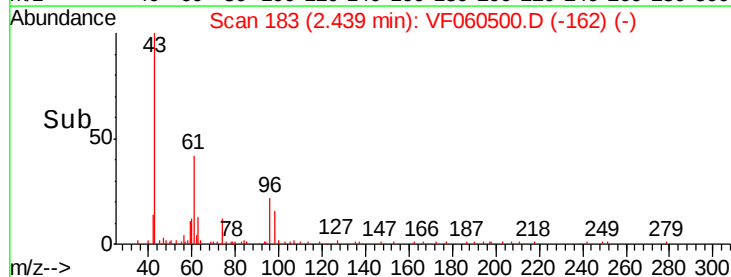
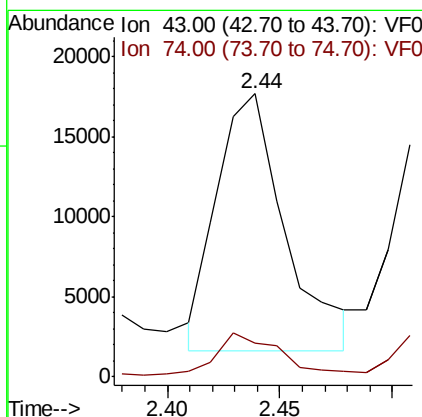
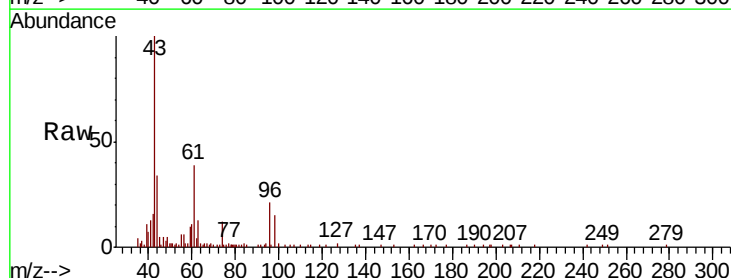
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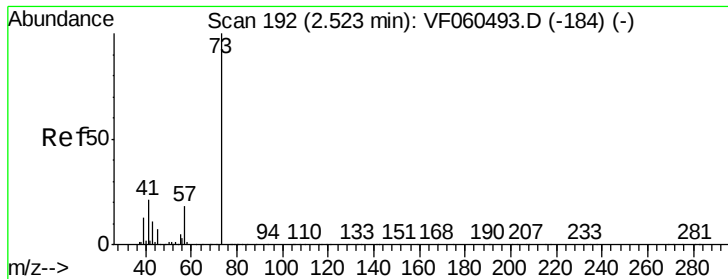
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#18
Methyl Acetate
Concen: 21.441 ug/l m
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 43 Resp: 34009
Ion Ratio Lower Upper
43 100
74 12.1 12.9 19.3#





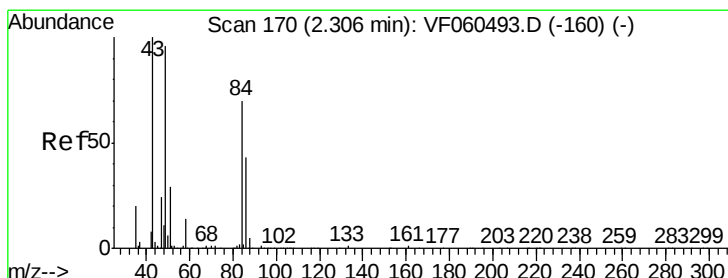
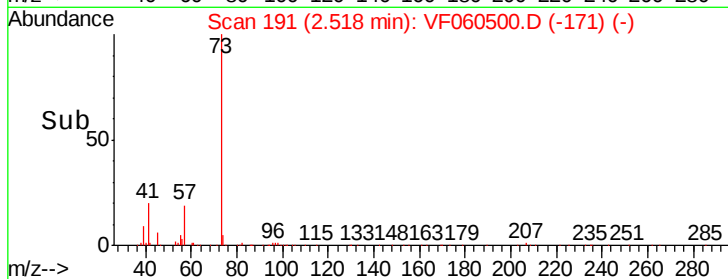
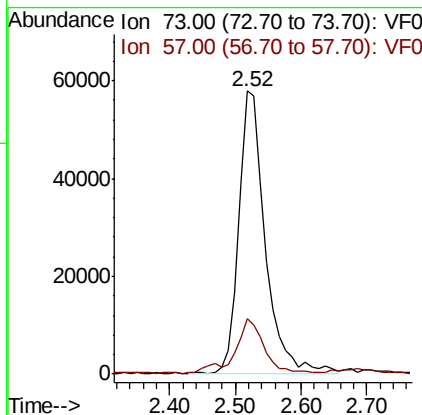
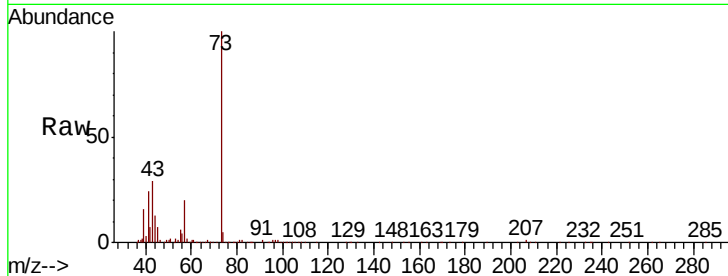
#19
Methvl tert-butvl Ether
Concen: 22.652 ug/l
RT: 2.52 min Scan# 191
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.0	22.6

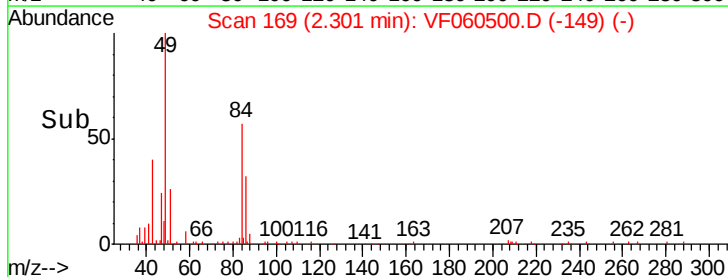
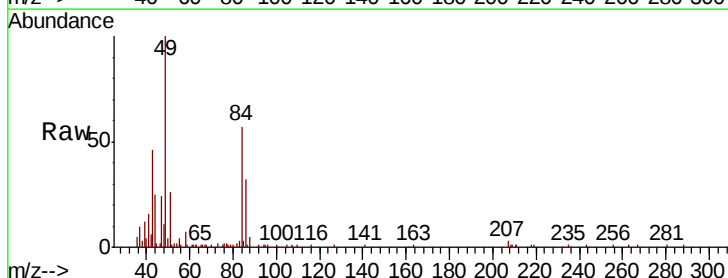
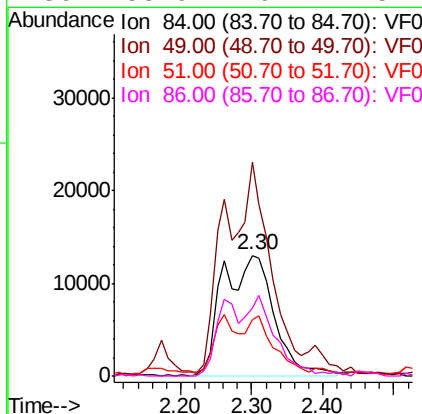
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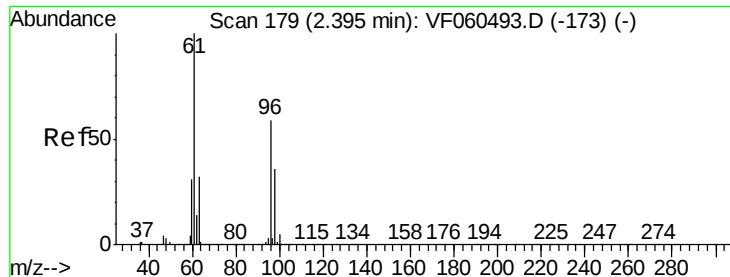
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#20
Methylene Chloride
Concen: 21.758 ug/l m
RT: 2.30 min Scan# 169
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	176.9	111.5	167.3#
51	46.7	34.6	52.0
86	55.9	49.1	73.7





#21

trans-1,2-Dichloroethene

Concen: 22.241 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

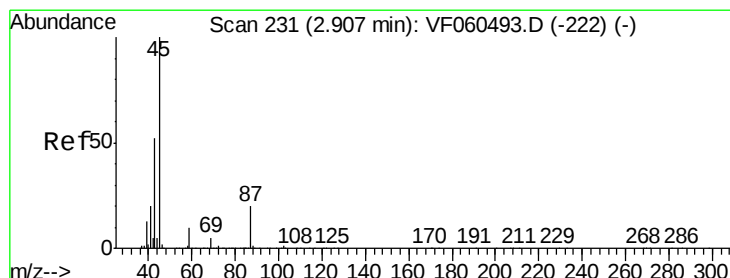
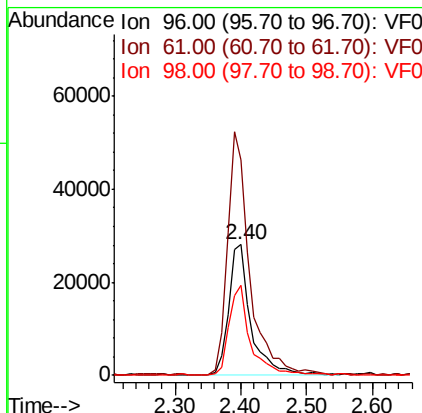
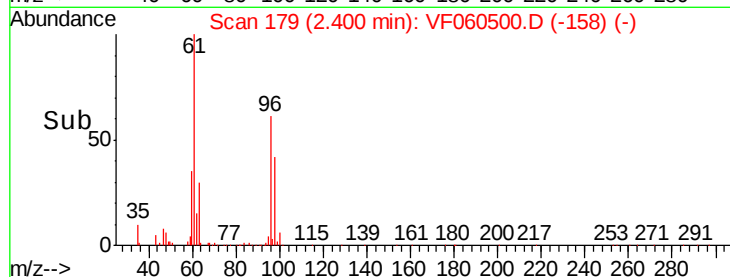
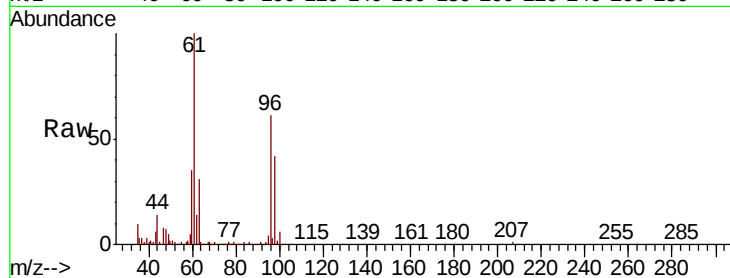
ClientSampleId :

VF1009SBSD01

Tot Ion:	96	Resp:	67313
Ion	Ratio	Lower	Upper
96	100		
61	165.0	136.2	204.4
98	69.0	49.7	74.5

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#22

Diisopropyl ether

Concen: 21.396 ug/l

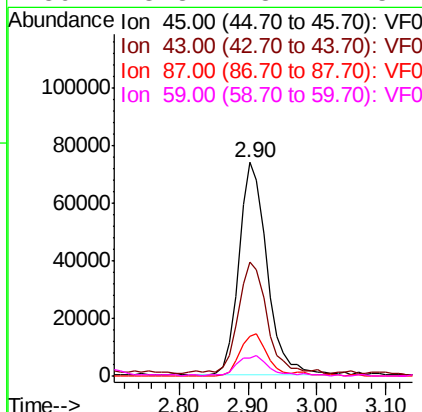
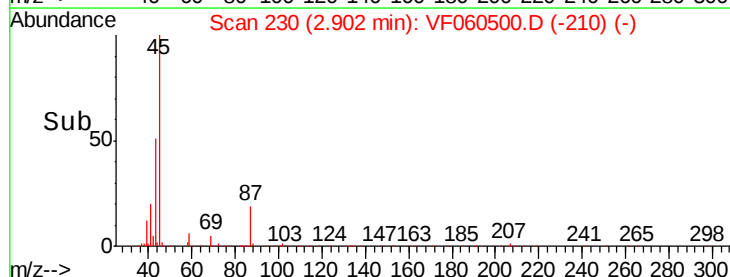
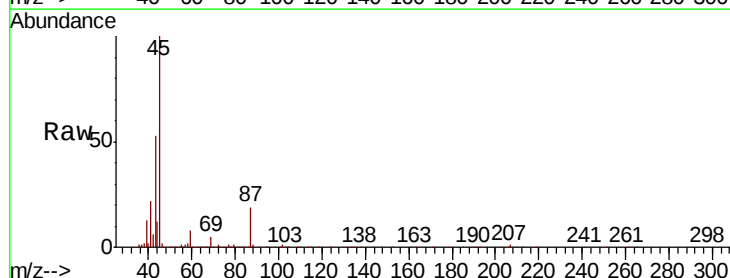
RT: 2.90 min Scan# 230

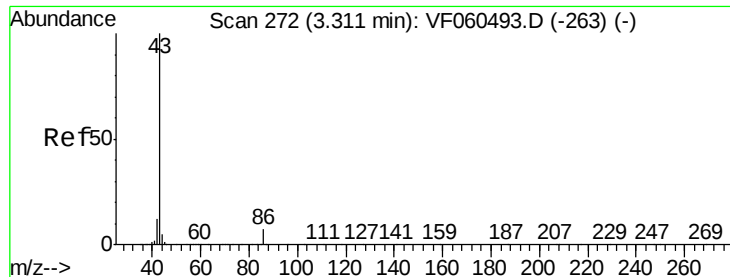
Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion:	45	Resp:	210224
Ion	Ratio	Lower	Upper
45	100		
43	53.3	41.8	62.8
87	18.7	15.7	23.5
59	8.3	8.7	13.1#





#23

Vinyl Acetate

Concen: 108.900 ug/l

RT: 3.31 min Scan# 271

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion: 43 Resp: 374558

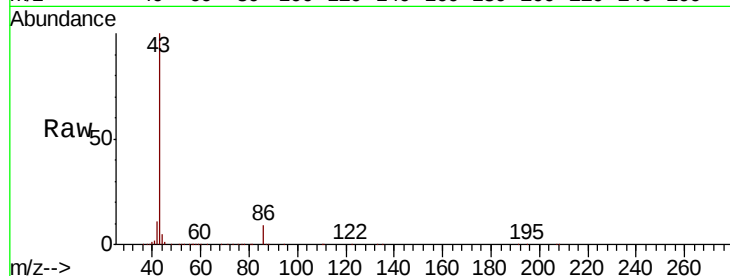
Ion Ratio Lower Upper

43 100

86 8.6 5.8 8.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150000

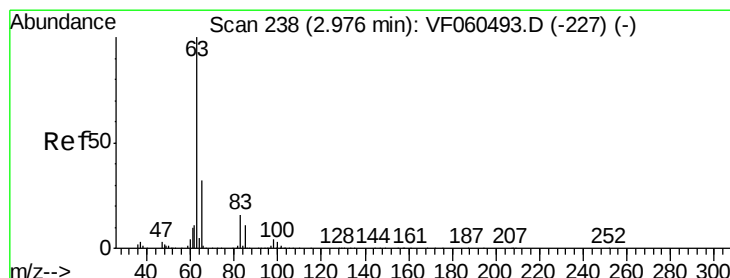
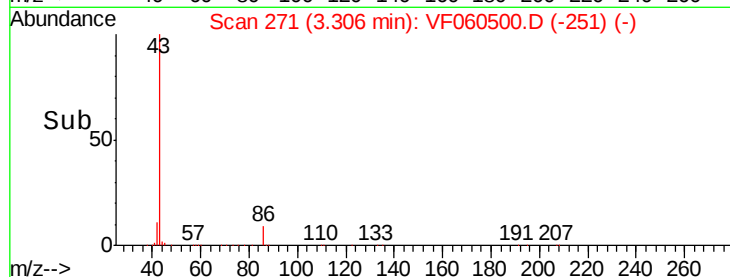
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 21.353 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

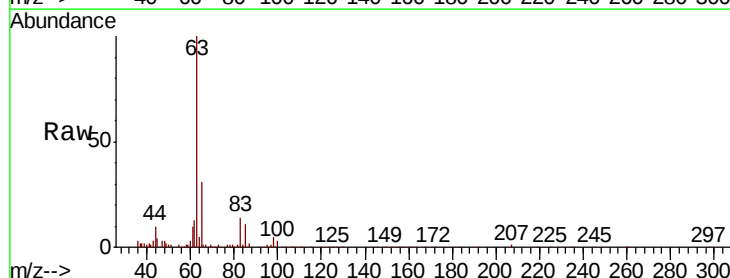
Tgt Ion: 63 Resp: 140797

Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

100 3.3 1.5 4.4



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

60000

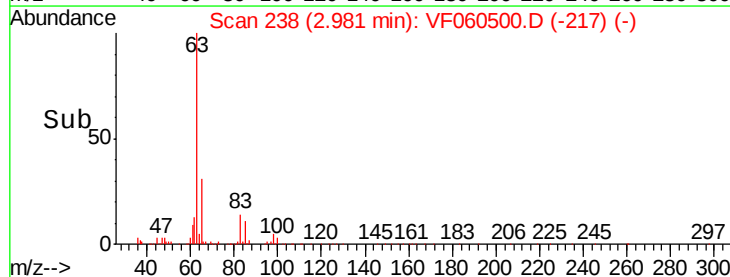
40000

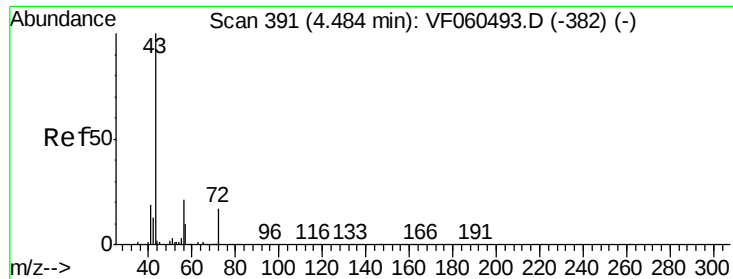
20000

0

2.80 2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 111.972 ug/l

RT: 4.48 min Scan# 390

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion: 43 Resp: 106350

Ion Ratio Lower Upper

43 100

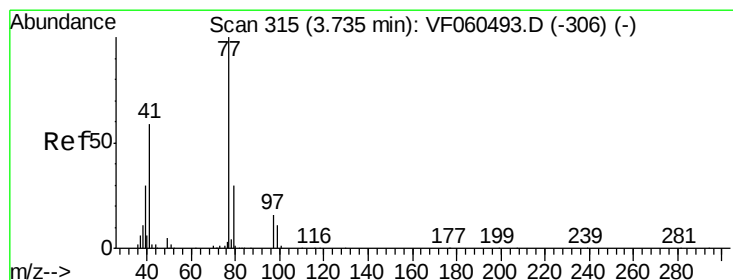
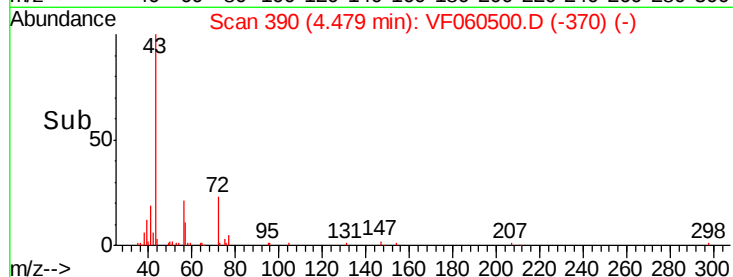
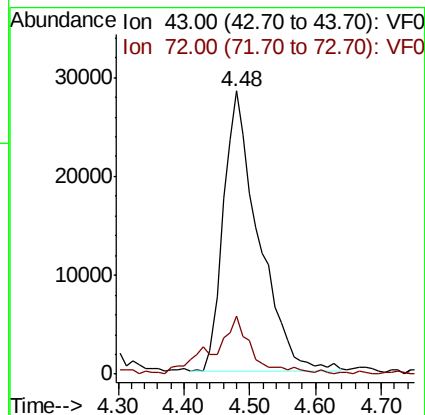
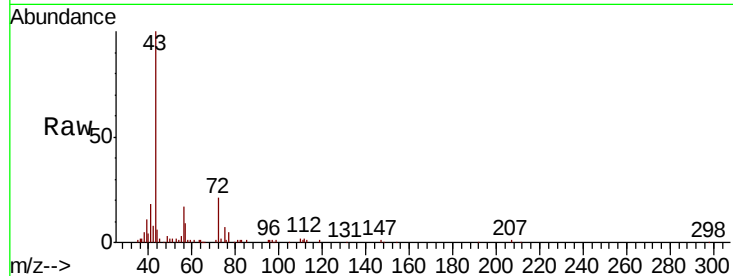
72 20.5 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.186 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.01 min

Lab File: VF060500.D

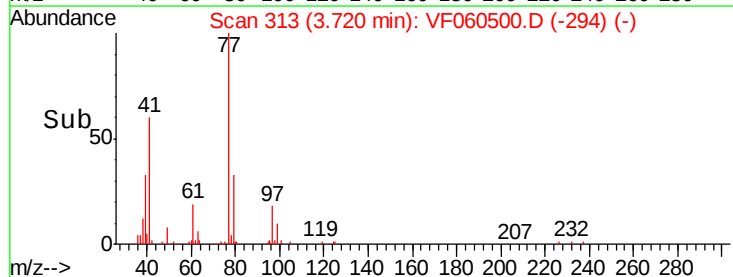
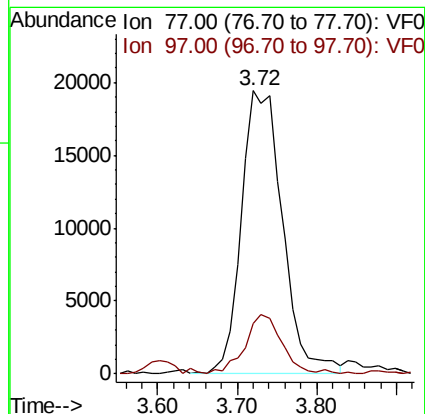
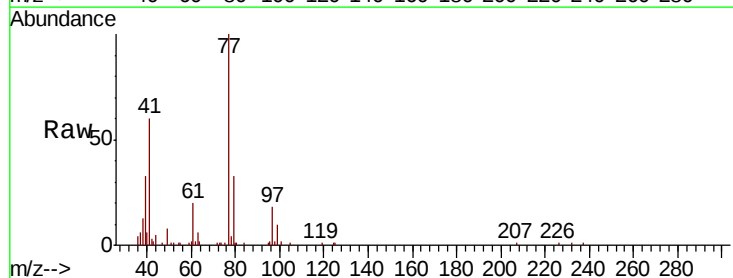
Acq: 9 Oct 2018 20:31

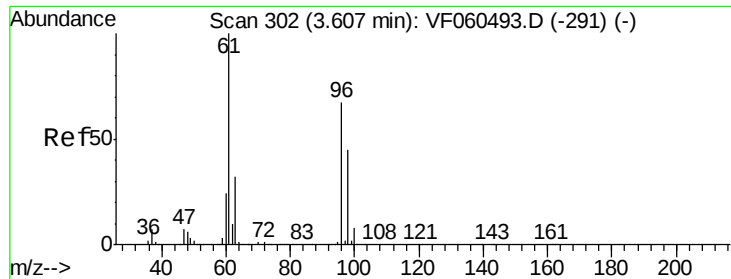
Tgt Ion: 77 Resp: 69398

Ion Ratio Lower Upper

77 100

97 17.7 8.6 25.7





#27

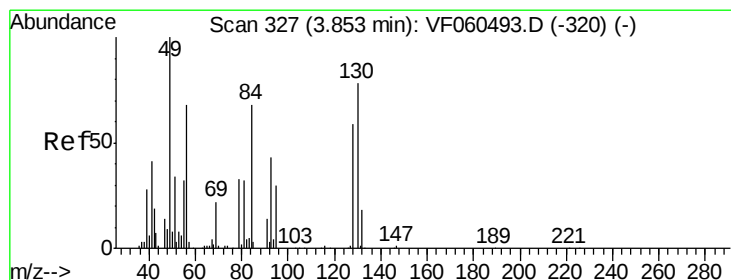
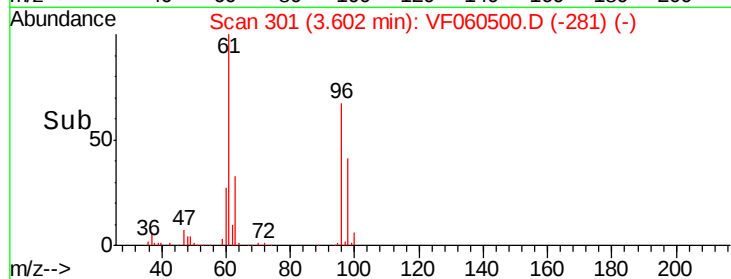
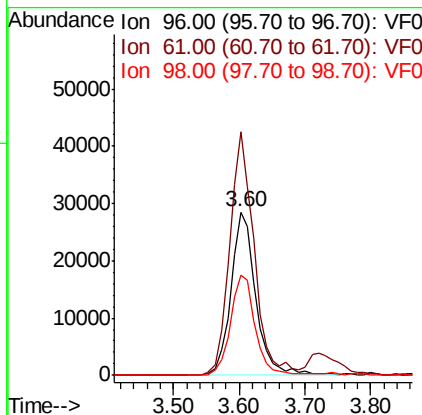
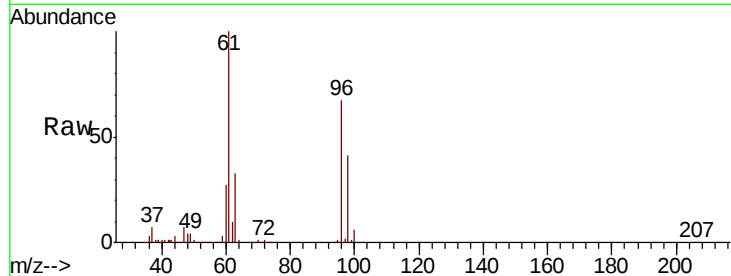
cis-1,2-Dichloroethene
 Concen: 21.538 ug/l
 RT: 3.60 min Scan# 301
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	149.2		0.0	298.0	
98	61.2		0.0	135.0	

Manual Integrations
 APPROVED

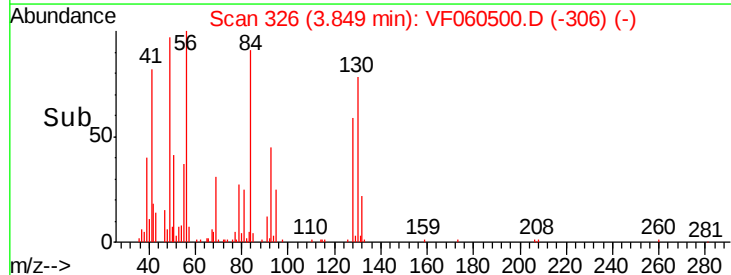
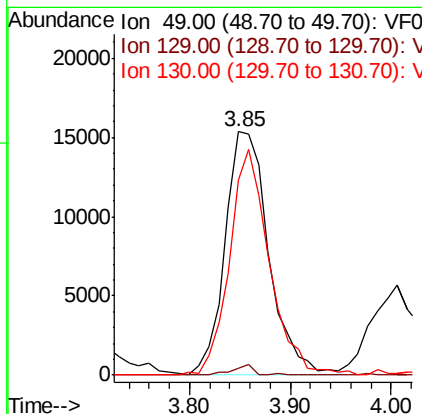
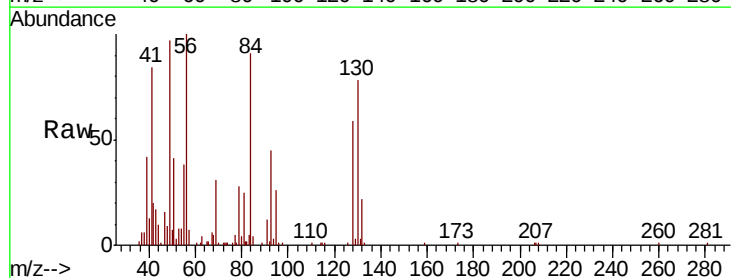
apatel
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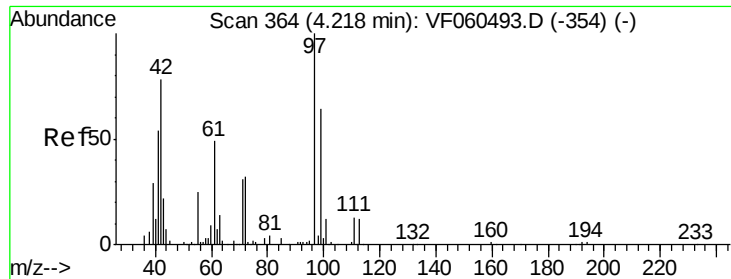


#28

Bromochloromethane
 Concen: 20.269 ug/l
 RT: 3.85 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	3.1		0.0	0.0#	
130	80.0		62.2	93.2	





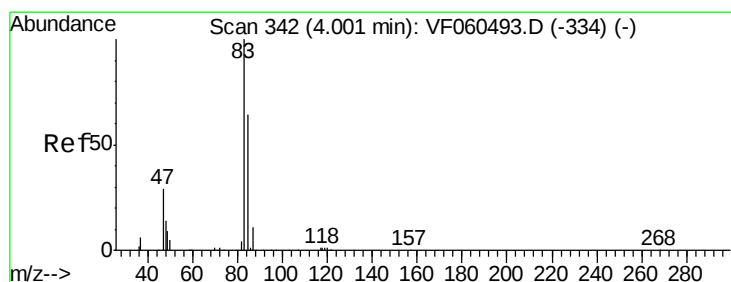
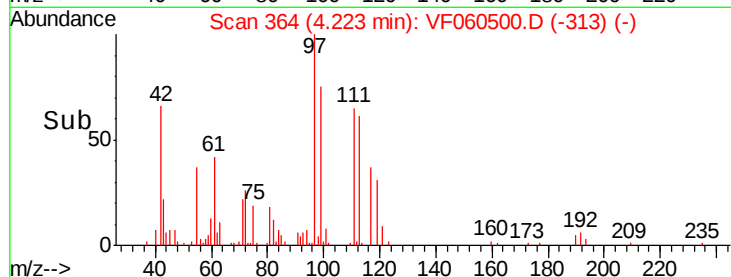
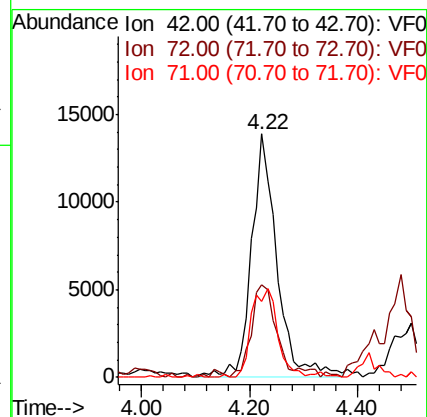
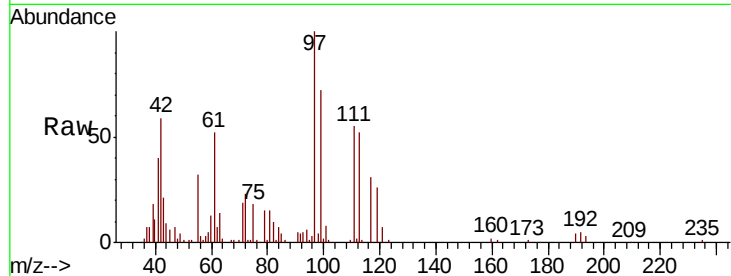
#29
Tetrahydrofuran
Concen: 113.310 ug/l
RT: 4.22 min Scan# 364
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	31.9	47.9
71	37.4	33.4	50.0

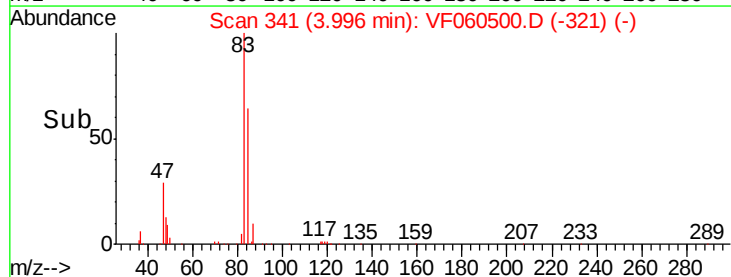
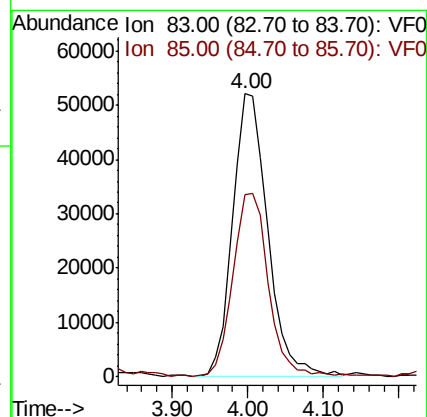
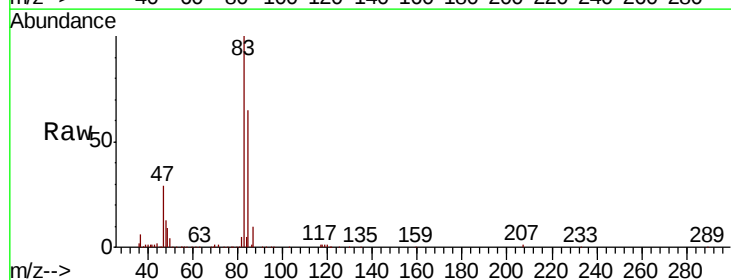
Manual Integrations
APPROVED

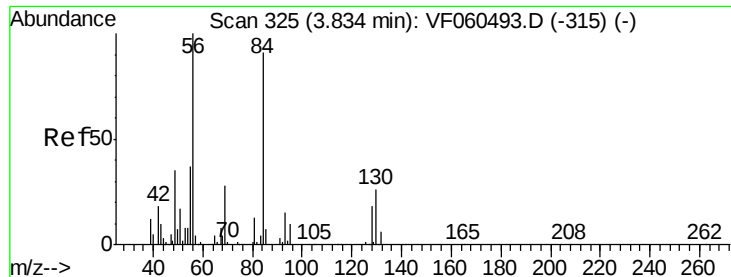
apatel
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#30
Chloroform
Concen: 21.725 ug/l
RT: 4.00 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5





#31

Cyclohexane

Concen: 21.264 ug/l

RT: 3.83 min Scan# 324

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

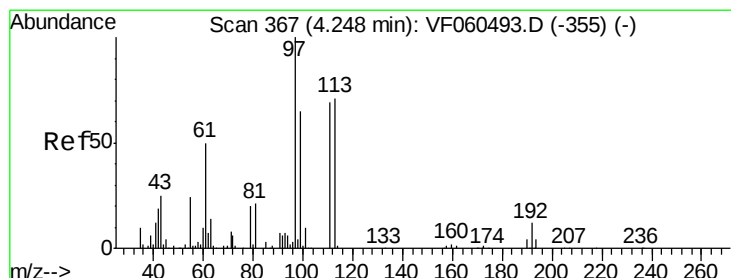
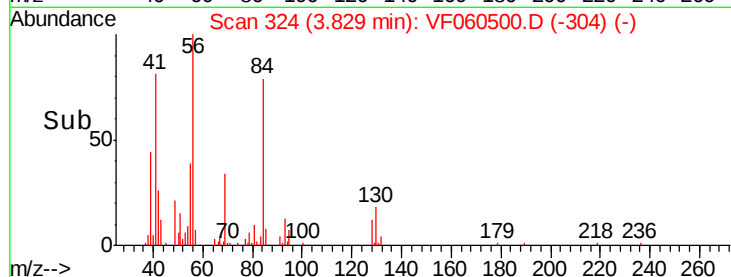
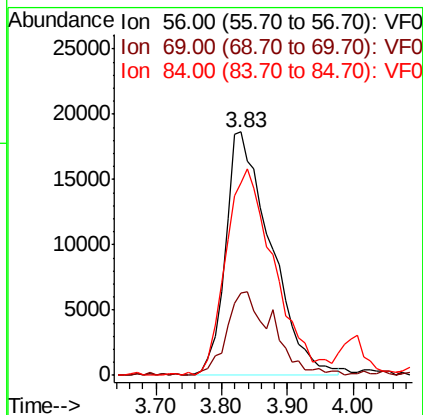
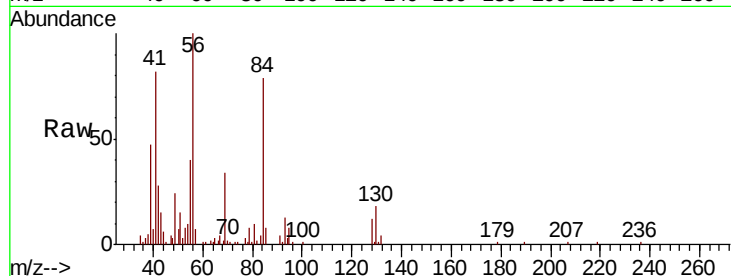
ClientSampleId :

VF1009SBSD01

Tot Ion:	56	Resp:	89696
Ion	Ratio	Lower	Upper
56	100		
69	33.7	22.7	34.1
84	78.9	73.1	109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.104 ug/l

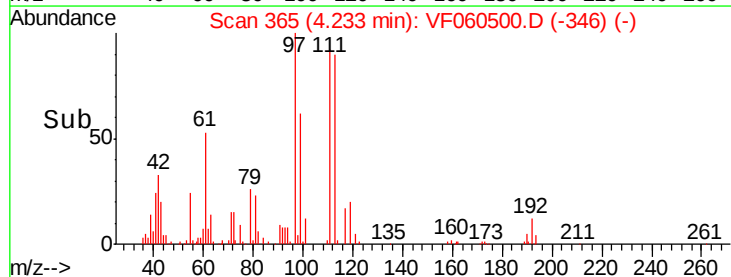
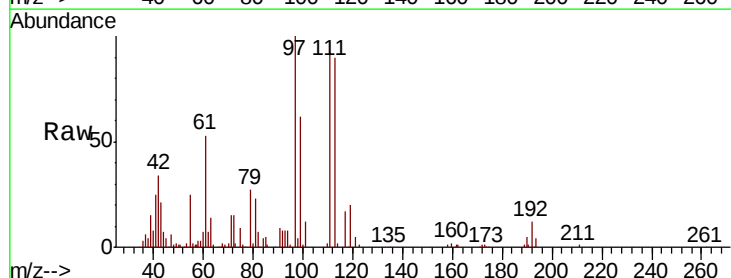
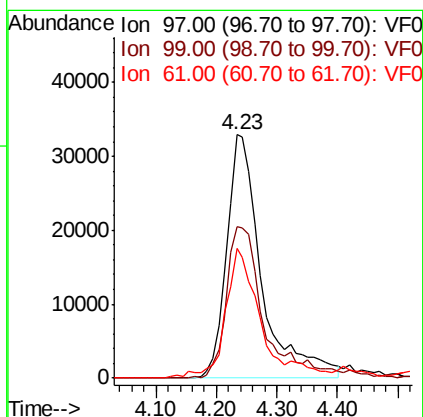
RT: 4.23 min Scan# 365

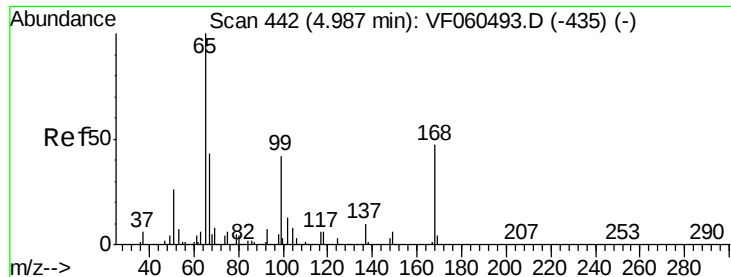
Delta R.T. -0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion:	97	Resp:	132869
Ion	Ratio	Lower	Upper
97	100		
99	62.2	52.3	78.5
61	53.3	39.8	59.8





#33

1,2-Dichloroethane-d4

Concen: 52.604 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion: 65 Resp: 209462

Ion Ratio Lower Upper

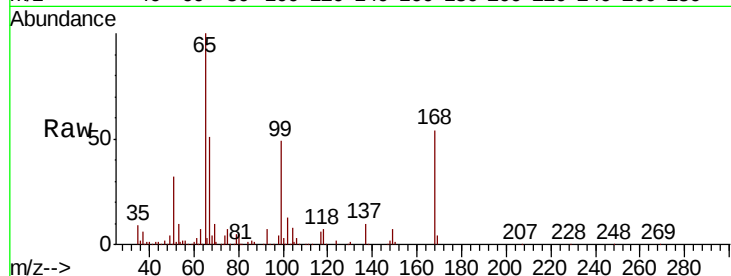
65 100

67 51.1 0.0 94.6

Manual Integrations
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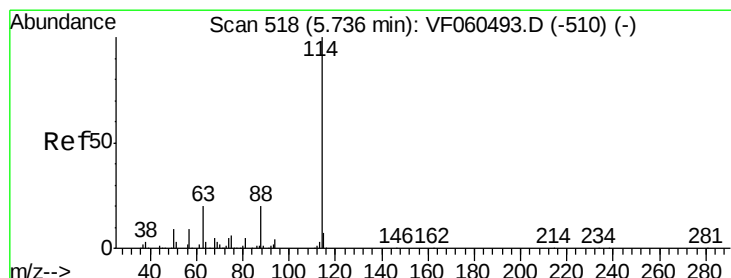
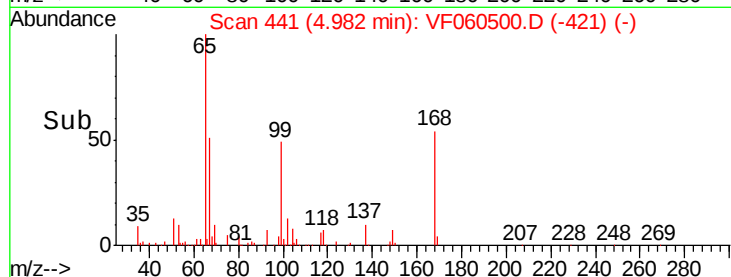
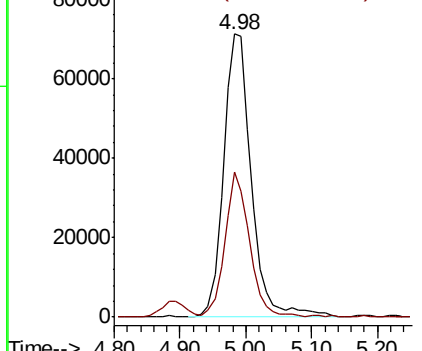
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 517

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

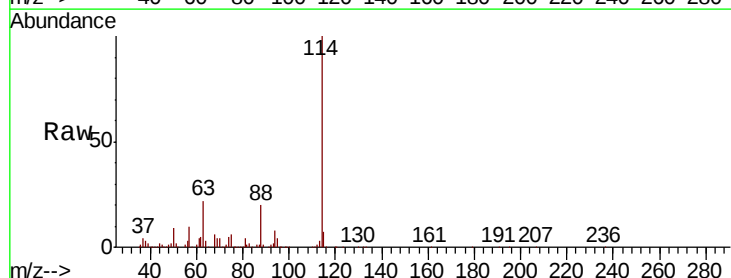
Tgt Ion: 114 Resp: 421442

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.2

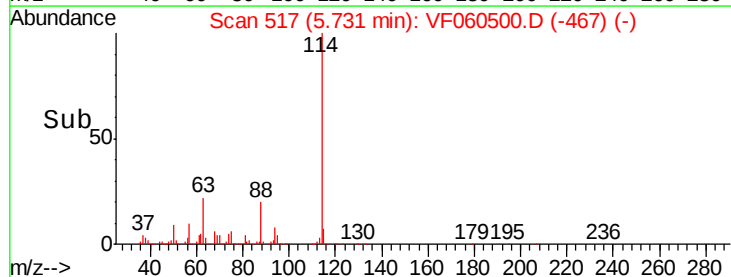
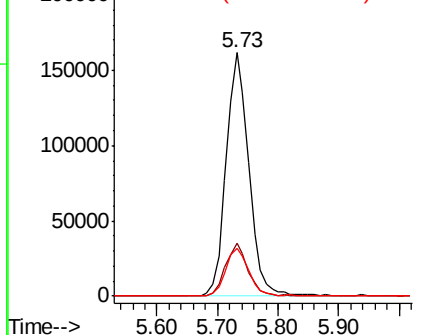
88 19.8 0.0 40.2

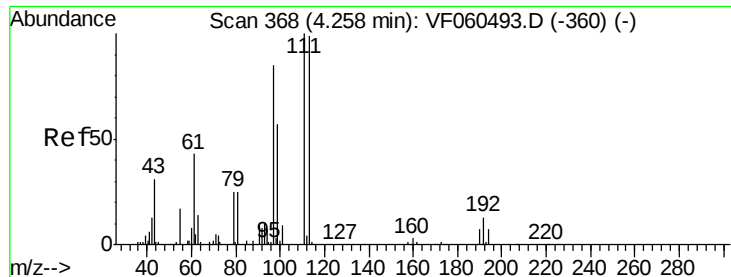


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 56.100 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

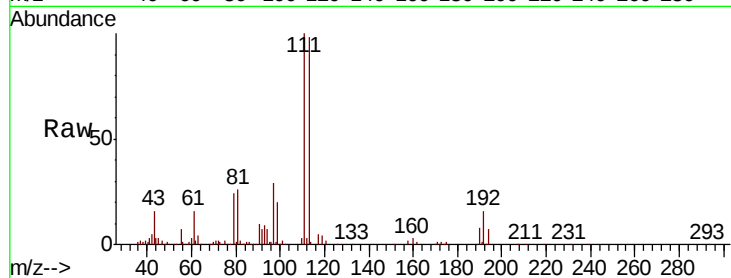
ClientSampleId :

VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.0	121.6
192	16.6	10.7	16.1

Manual Integrations
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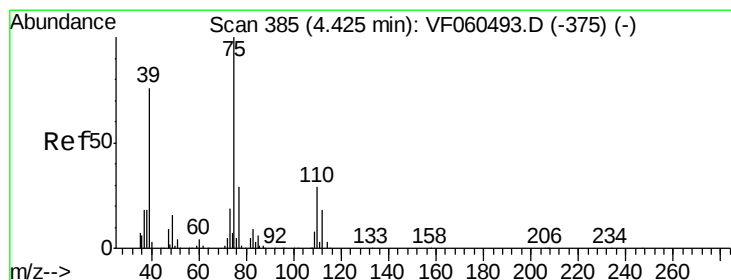
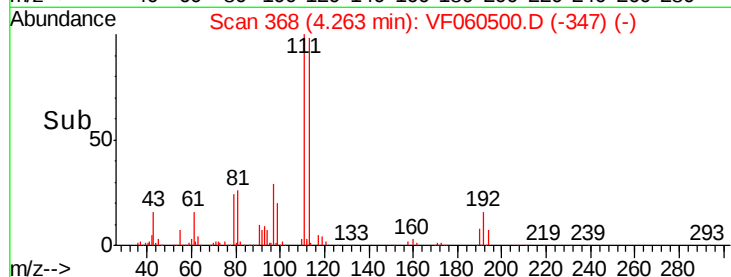
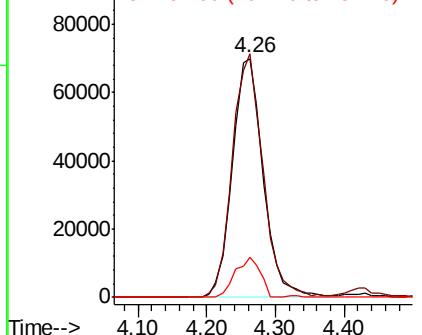
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.751 ug/l

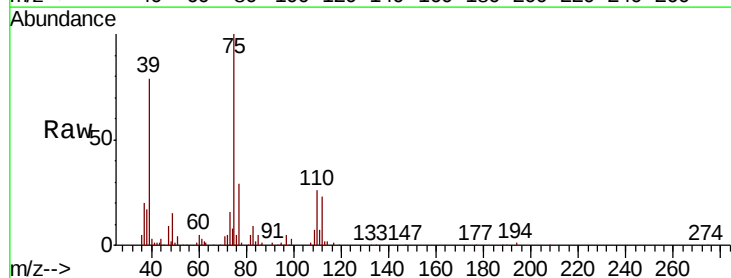
RT: 4.42 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

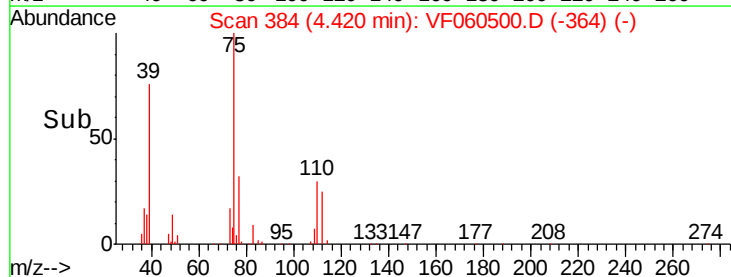
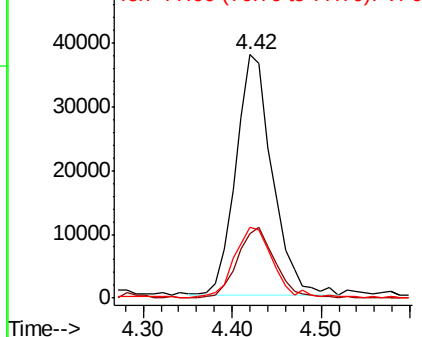
Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.4	14.4	43.2
77	29.1	23.5	35.3

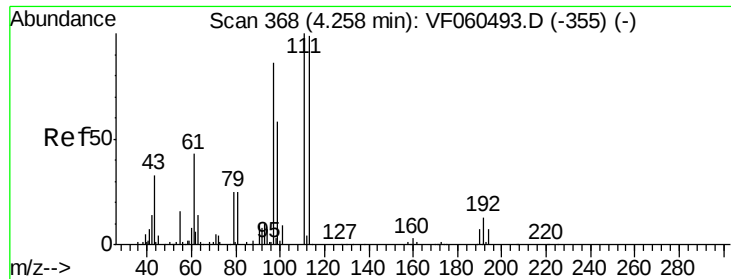


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





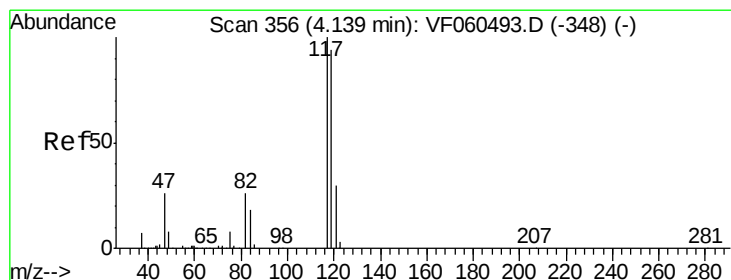
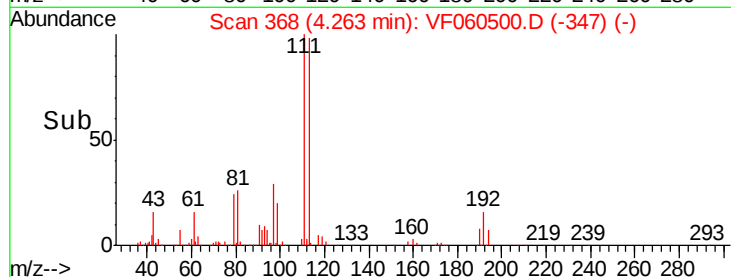
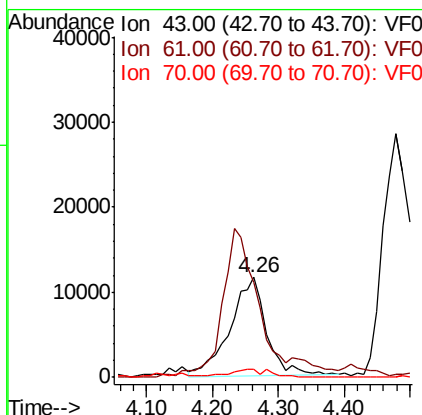
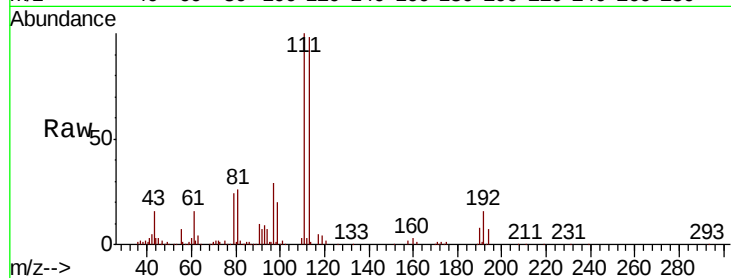
#37
Ethyl Acetate
Concen: 25.333 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	43	61	70	Ratio	Lower	Upper
43866	100	95.2	8.0		106.5	159.7#
					6.5	9.7

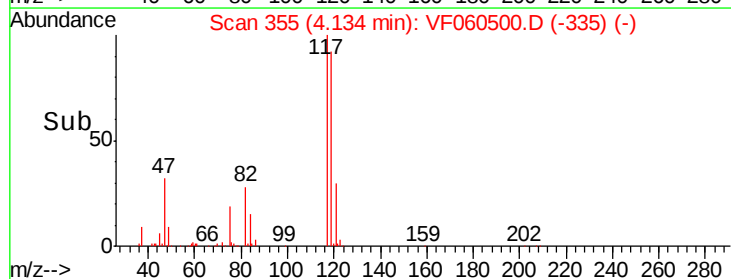
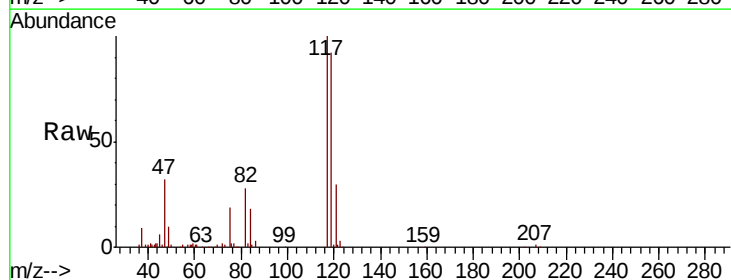
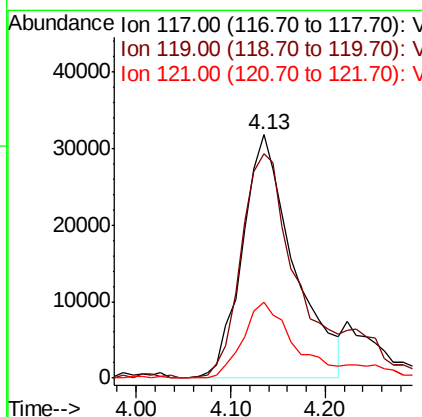
Manual Integrations
APPROVED

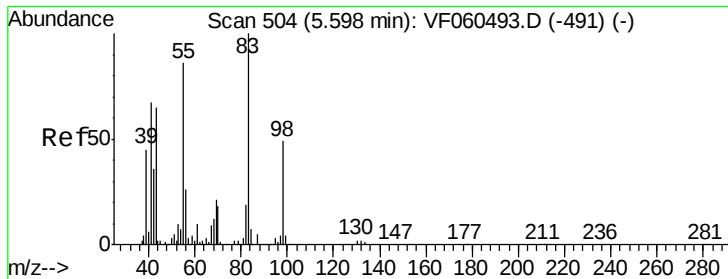
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#38
Carbon Tetrachloride
Concen: 24.378 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	117	119	121	Ratio	Lower	Upper
120041	100	92.0	31.0		75.0	112.4
					23.8	35.6





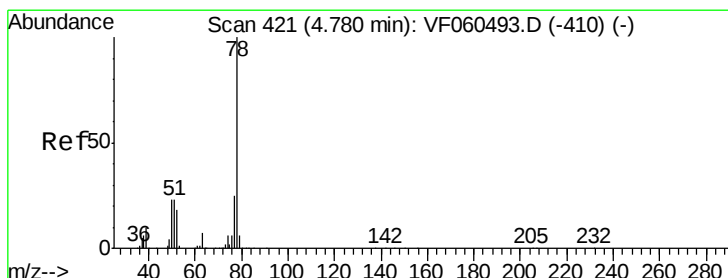
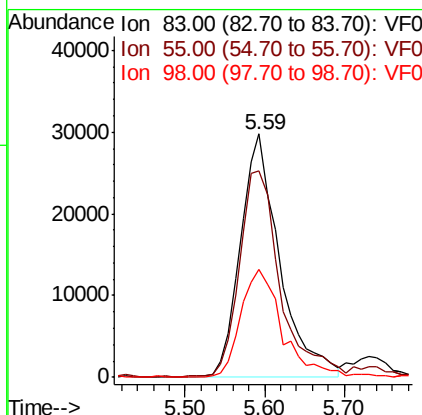
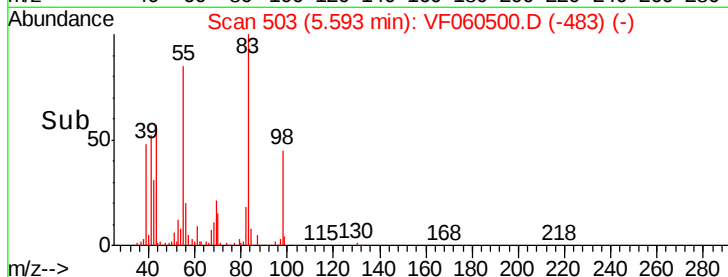
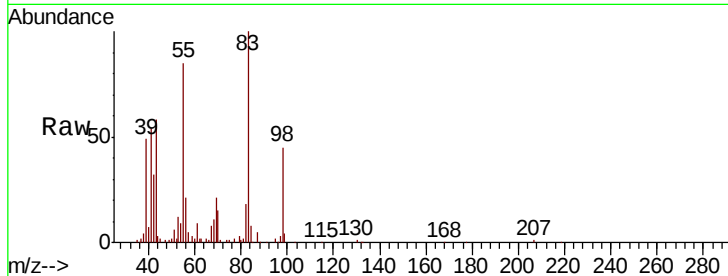
#39
Methylvlcvclohexane
Concen: 21.986 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	69.2	103.8
98	44.5	39.6	59.4

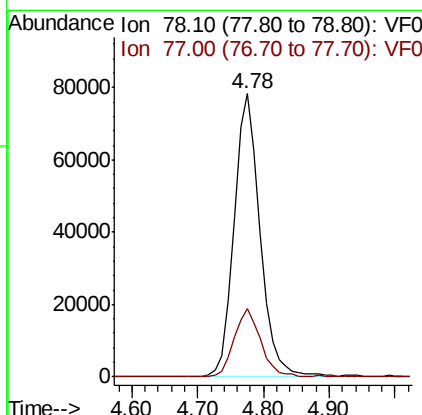
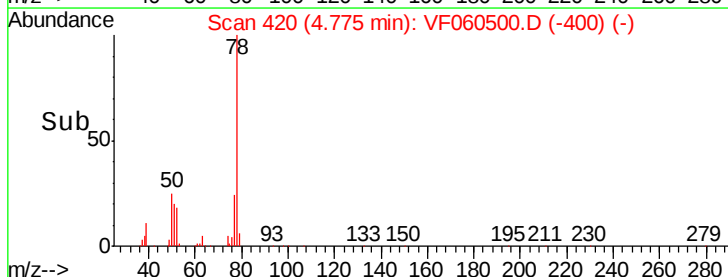
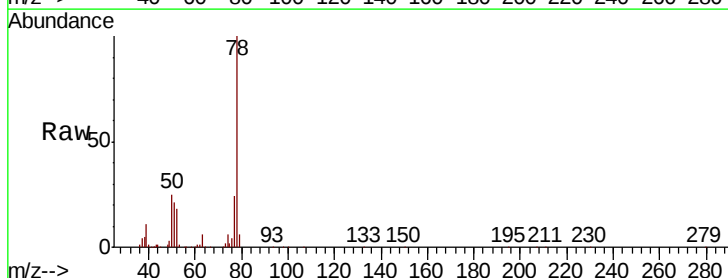
Manual Integrations
APPROVED

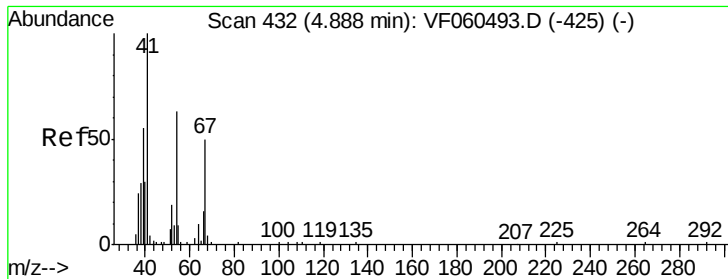
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#40
Benzene
Concen: 21.603 ug/l
RT: 4.78 min Scan# 420
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.8	29.8





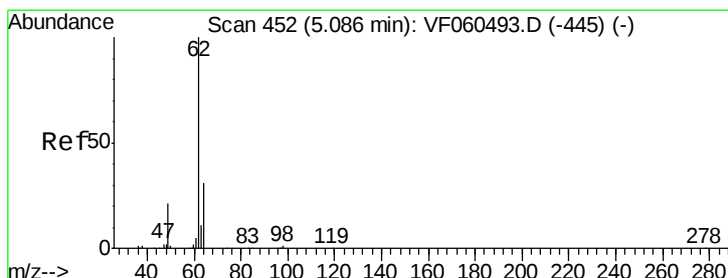
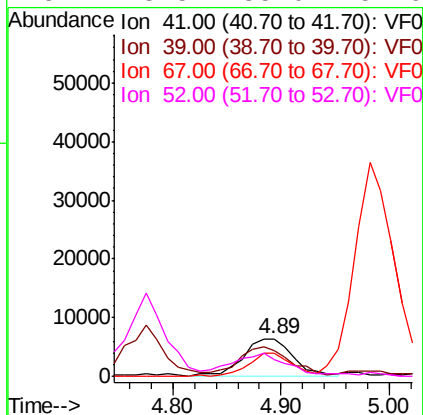
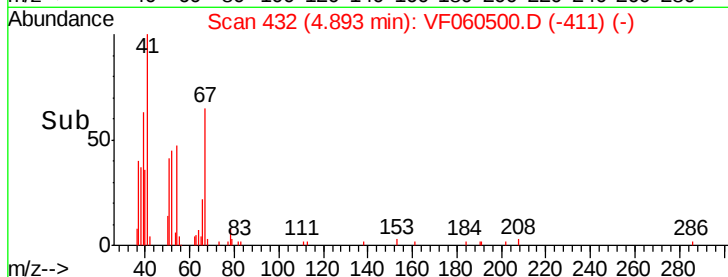
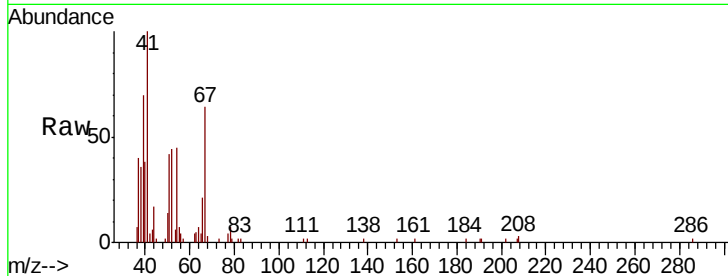
#41
Methacrylonitrile
Concen: 20.847 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.5	53.1	79.7
67	63.6	39.4	59.0
52	43.5	35.0	52.6

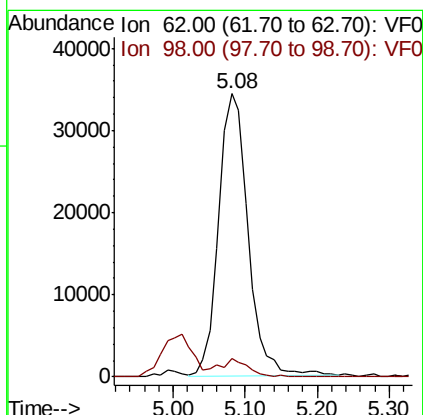
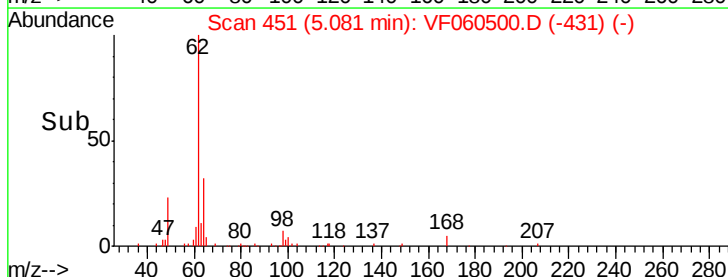
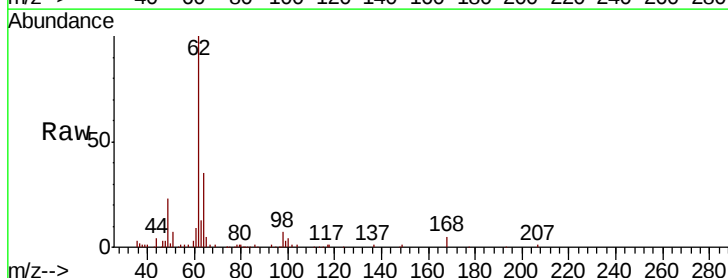
Manual Integrations
APPROVED

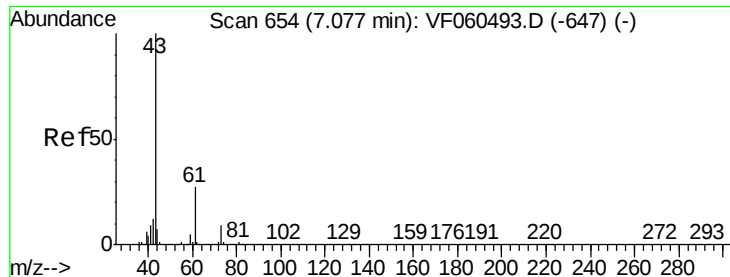
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#42
1,2-Dichloroethane
Concen: 21.253 ug/l
RT: 5.08 min Scan# 451
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	12.8





#43

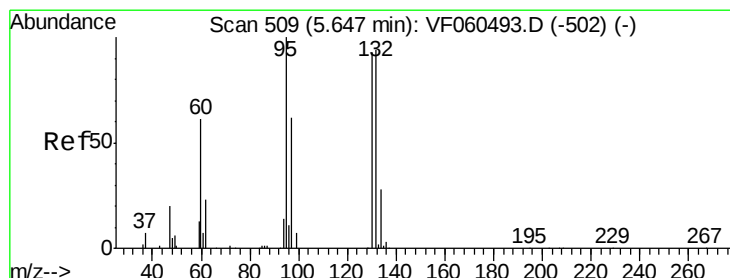
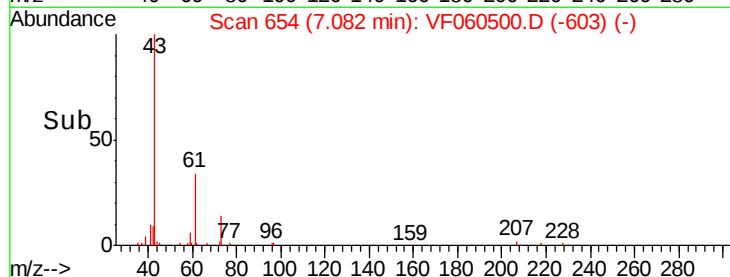
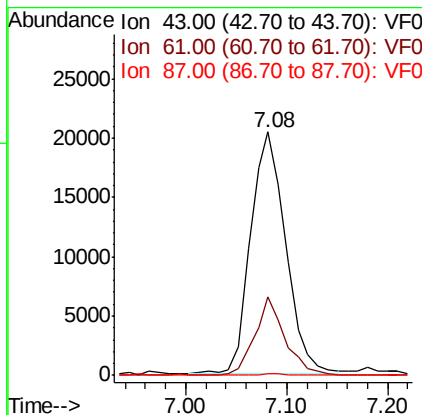
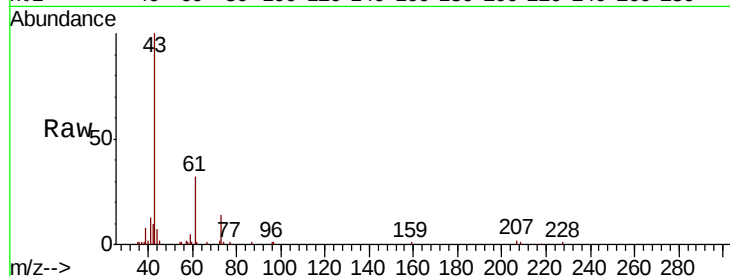
Isopropyl Acetate
 Concen: 22.991 ug/l
 RT: 7.08 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.2	21.6	32.4
87	0.5	0.6	0.8

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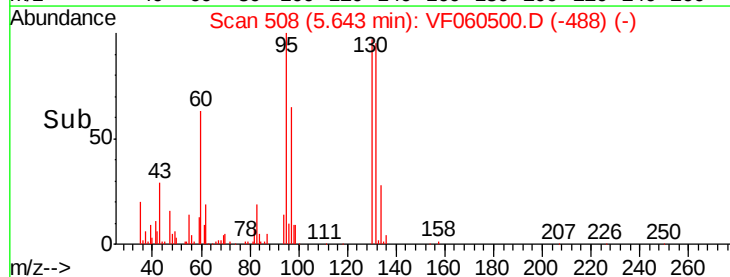
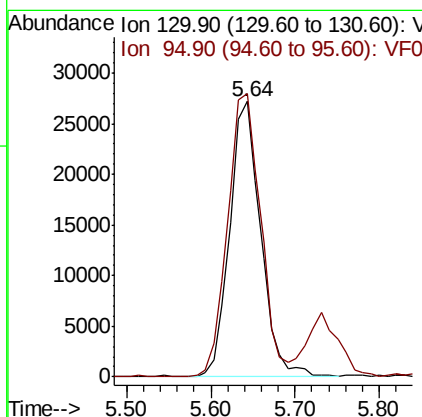
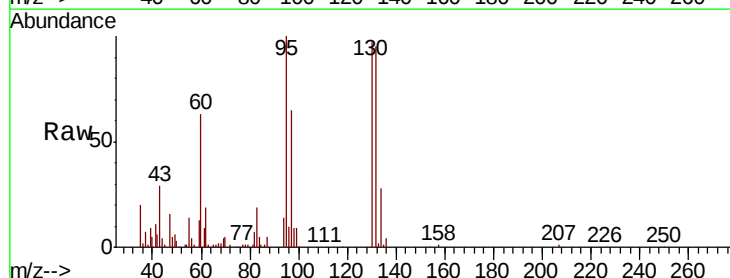
apatel
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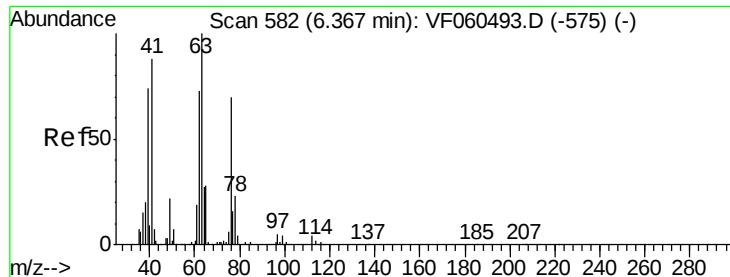


#44

Trichloroethene
 Concen: 22.252 ug/l
 RT: 5.64 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	216.0





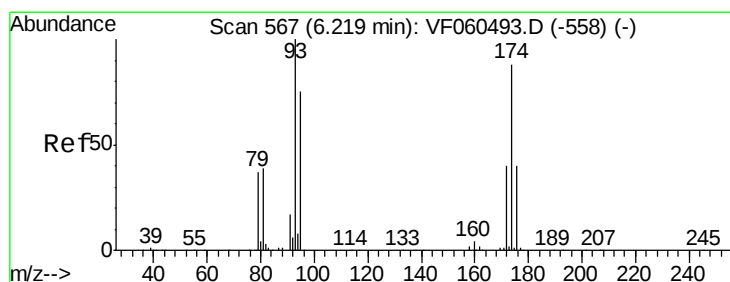
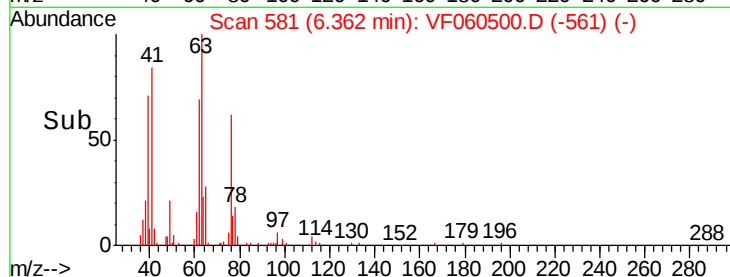
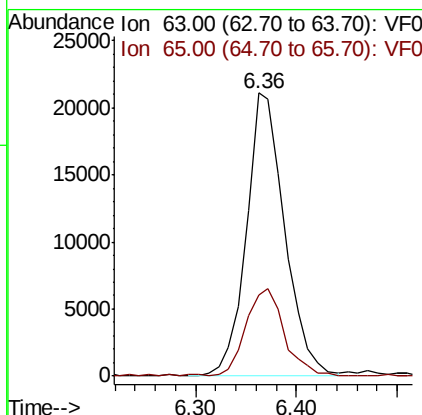
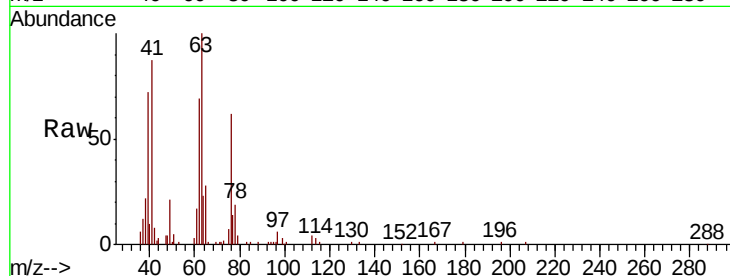
#45
 1,2-Dichloropropane
 Concen: 22.694 ug/l
 RT: 6.36 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

Tot Ion: 63 Resp: 55916
 Ion Ratio Lower Upper
 63 100
 65 28.5 22.2 33.2

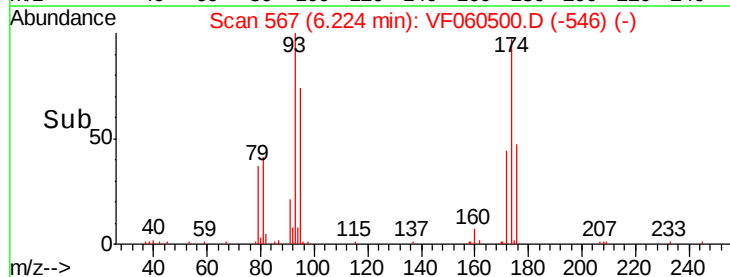
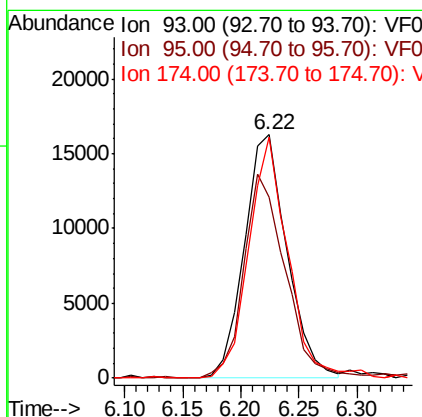
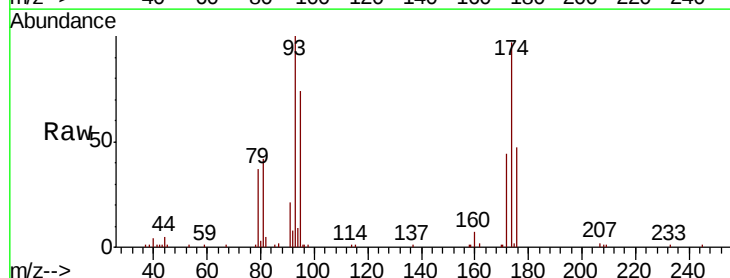
Manual Integrations
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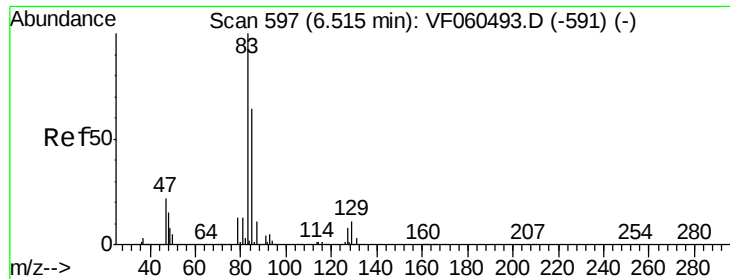
apatel
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#46
 Dibromomethane
 Concen: 20.866 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion: 93 Resp: 41238
 Ion Ratio Lower Upper
 93 100
 95 75.2 60.0 90.0
 174 99.1 71.0 106.6





#47

Bromodichloromethane

Concen: 22.151 ug/l

RT: 6.51 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

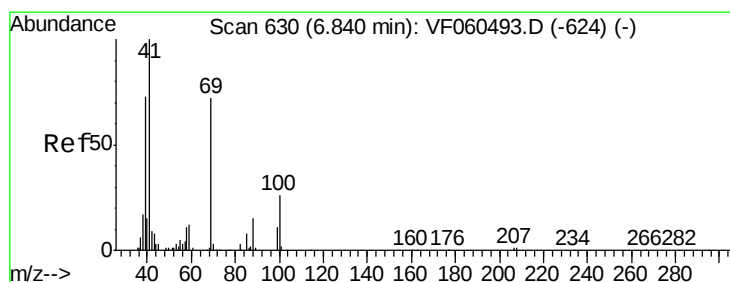
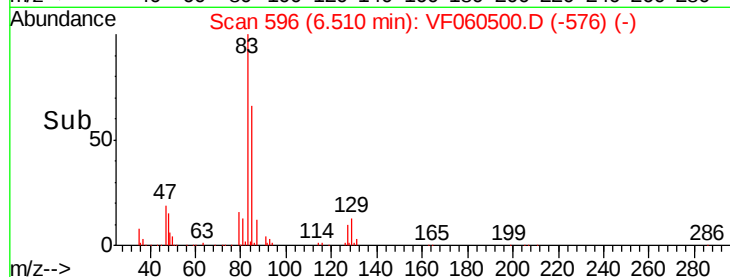
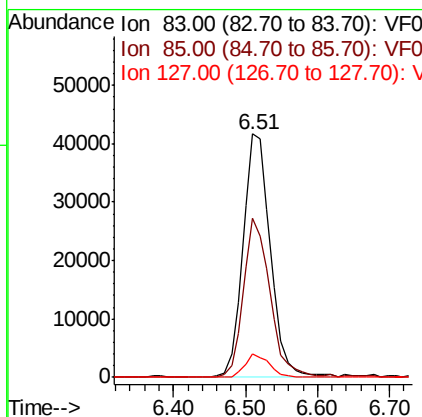
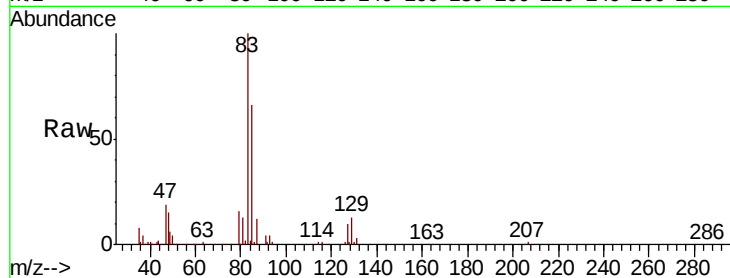
ClientSampleId :

VF1009SBSD01

Tot Ion:	83	Resp:	110566
Ion Ratio	Lower	Upper	
83	100		
85	65.6	51.2	76.8
127	10.9	6.5	9.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.164 ug/l

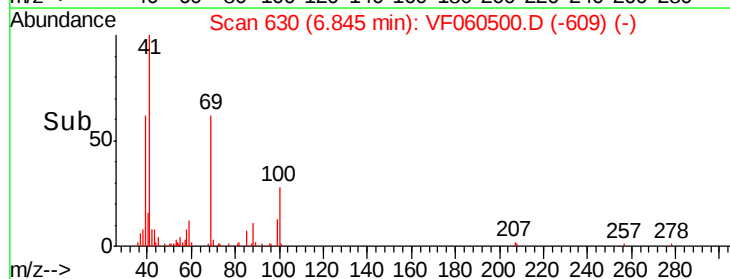
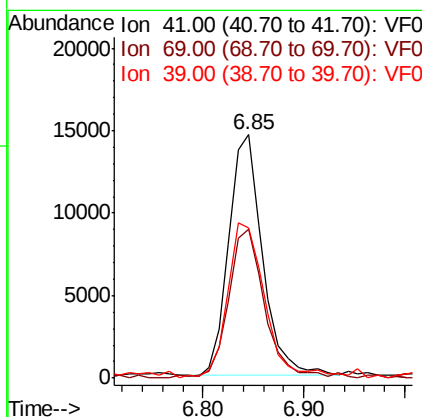
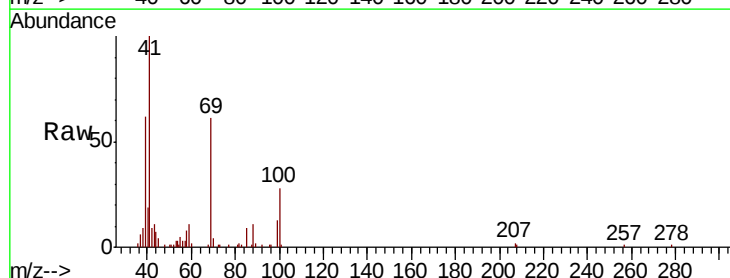
RT: 6.85 min Scan# 630

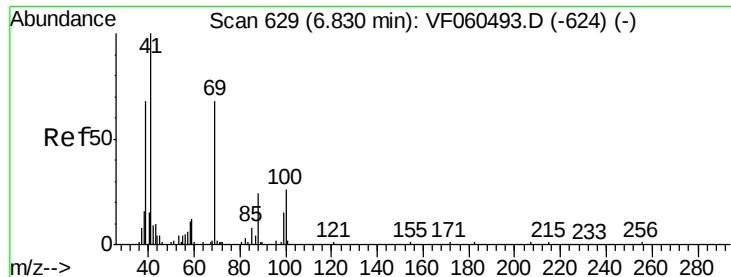
Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion:	41	Resp:	33863
Ion Ratio	Lower	Upper	
41	100		
69	61.0	57.8	86.8
39	61.8	59.1	88.7





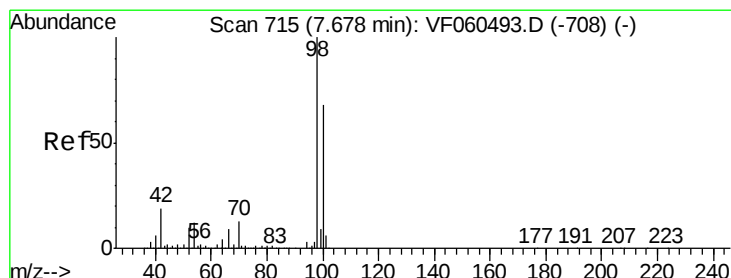
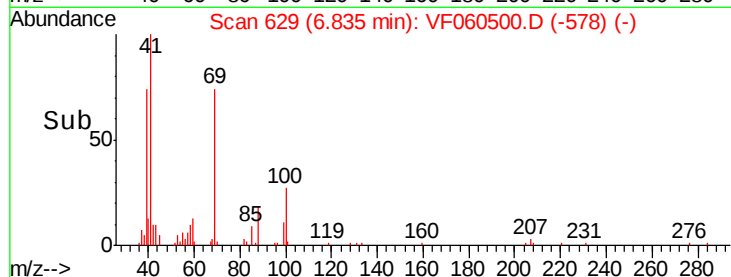
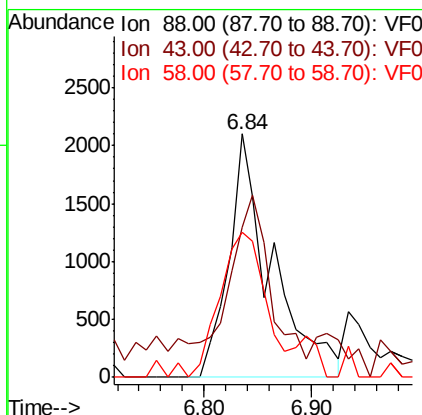
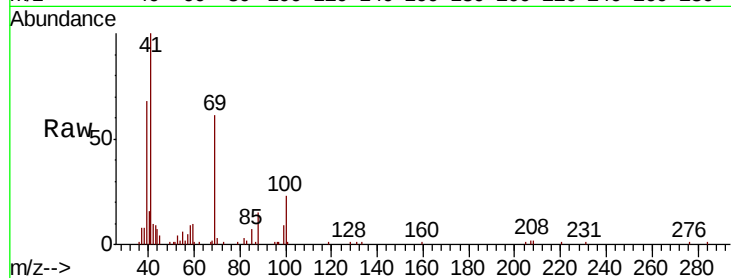
#49
1,4-Dioxane
Concen: 419.495 ug/l
RT: 6.84 min Scan# 629
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	61.7	40.2	60.2#
58	59.8	36.3	54.5#

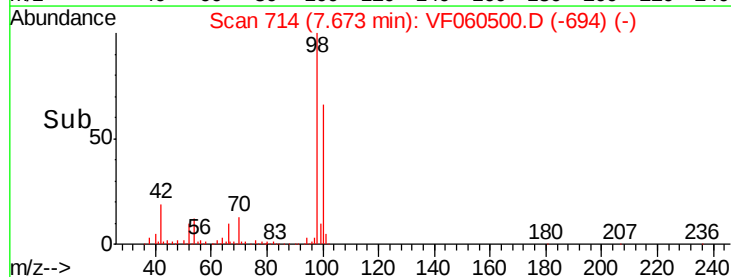
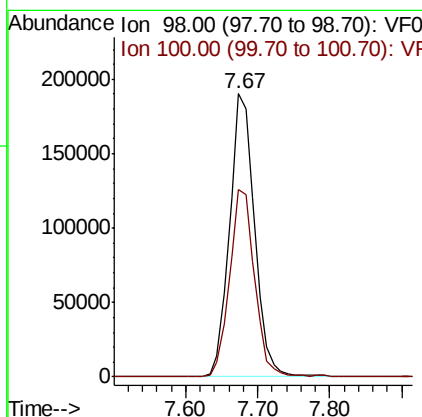
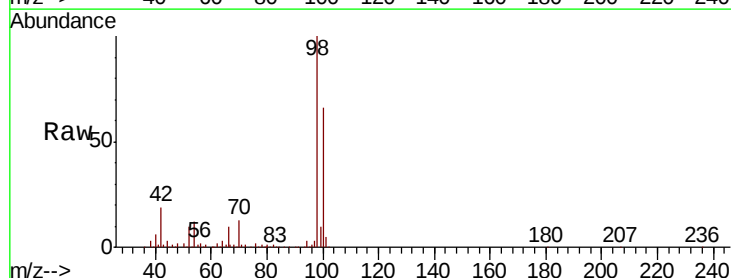
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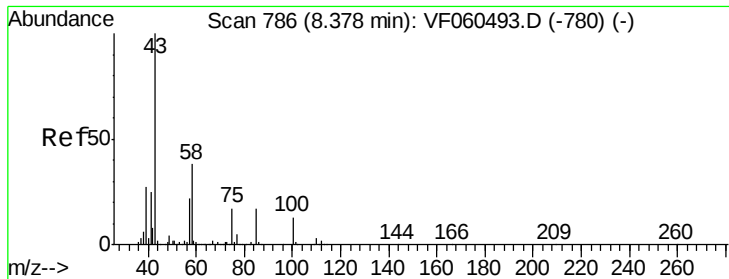
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#50
Toluene-d8
Concen: 49.464 ug/l
RT: 7.67 min Scan# 714
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 119.040 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion: 43 Resp: 179209

Ion Ratio Lower Upper

43 100

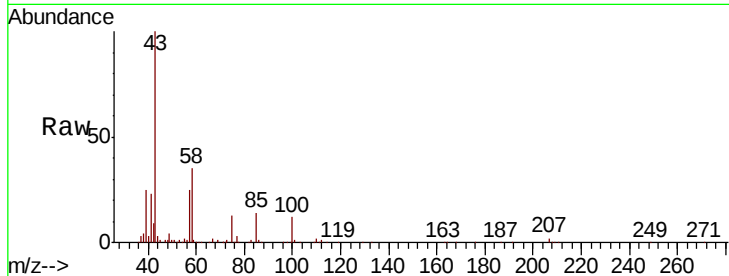
58 35.0 30.4 45.6

Manual Integrations

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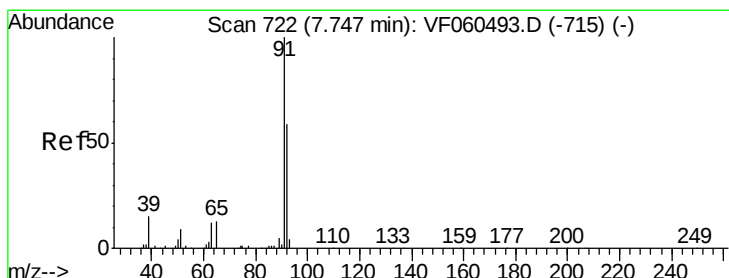
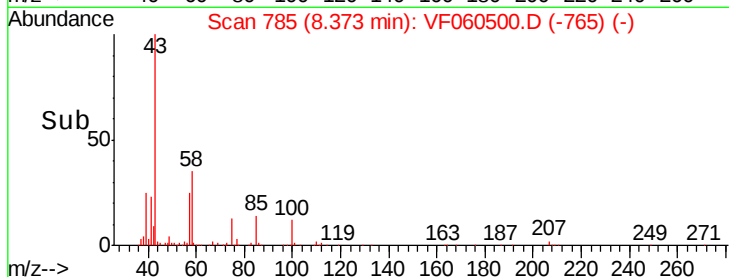
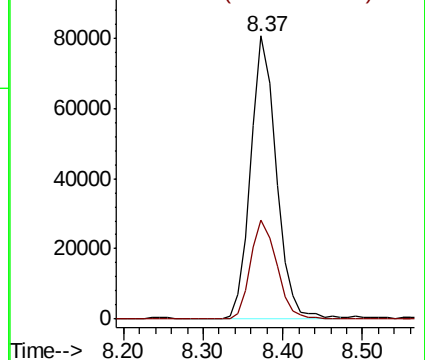
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.447 ug/l

RT: 7.74 min Scan# 721

Delta R.T. -0.00 min

Lab File: VF060500.D

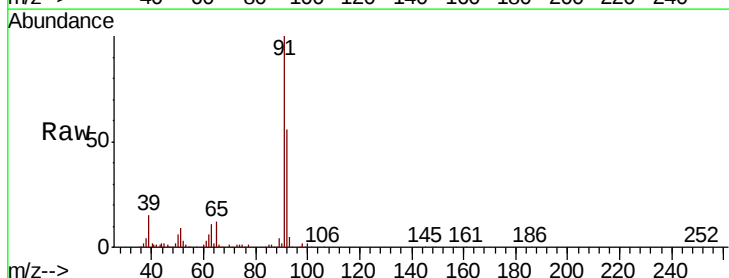
Acq: 9 Oct 2018 20:31

Tgt Ion: 92 Resp: 135951

Ion Ratio Lower Upper

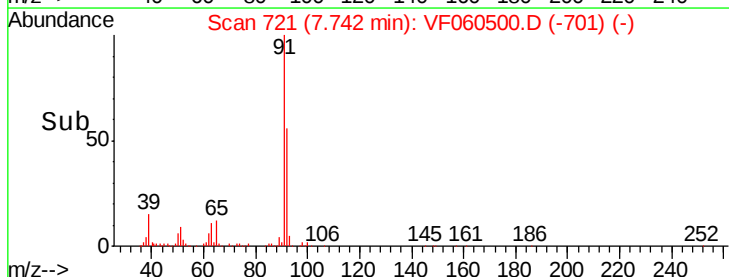
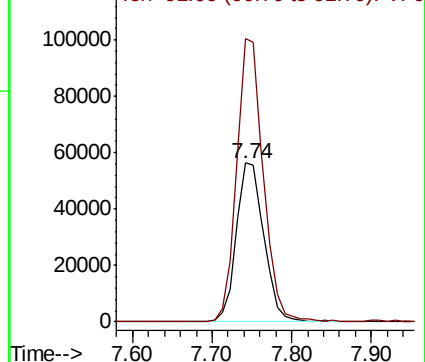
92 100

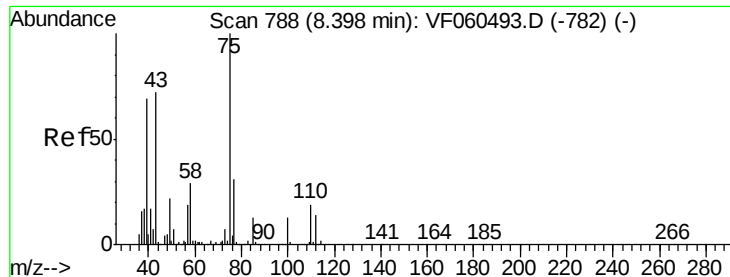
91 178.3 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.826 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion: 75 Resp: 84613

Ion Ratio Lower Upper

75 100

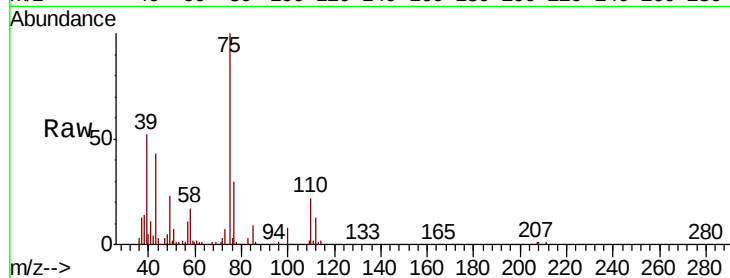
77 29.5 25.2 37.8

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

40000

30000

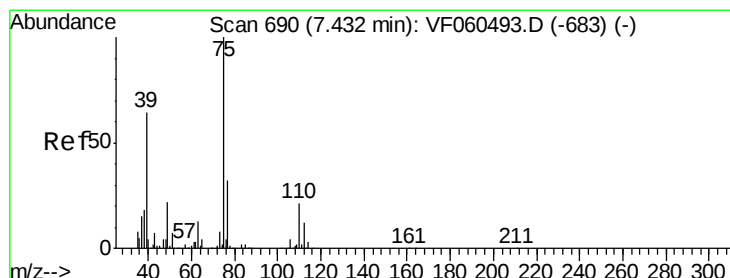
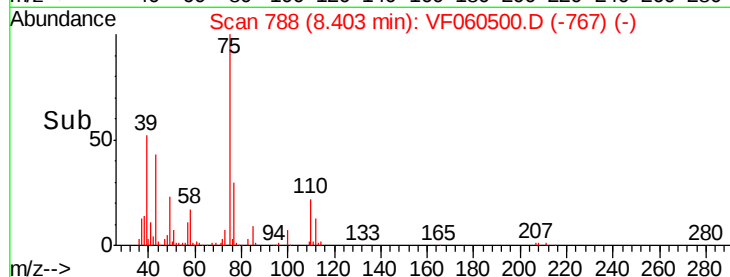
20000

10000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.603 ug/l

RT: 7.43 min Scan# 689

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

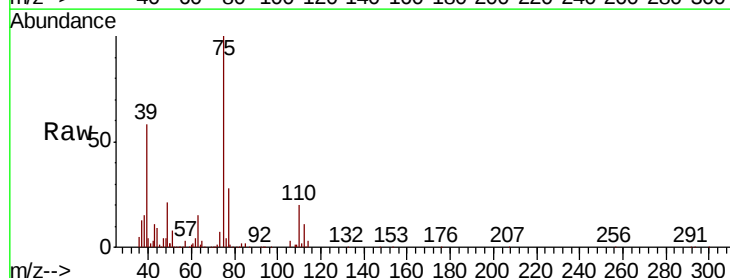
Tgt Ion: 75 Resp: 97539

Ion Ratio Lower Upper

75 100

77 28.3 26.0 39.0

39 58.1 51.2 76.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

60000

50000

40000

30000

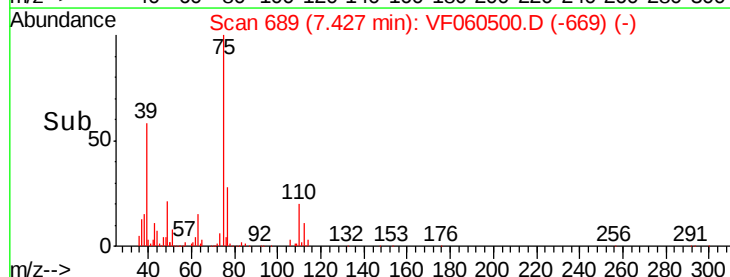
20000

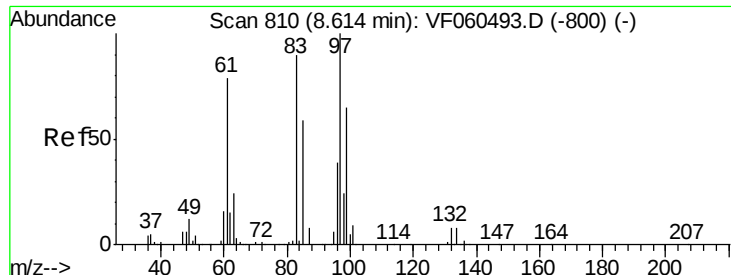
10000

0

7.30 7.40 7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.778 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

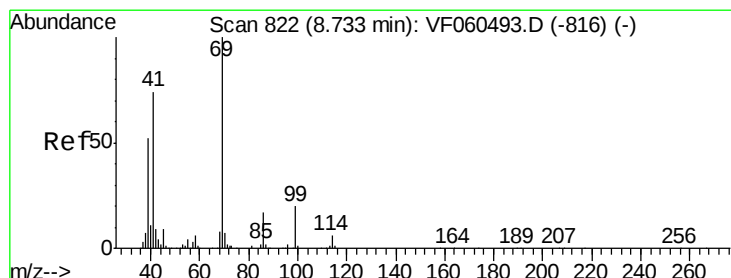
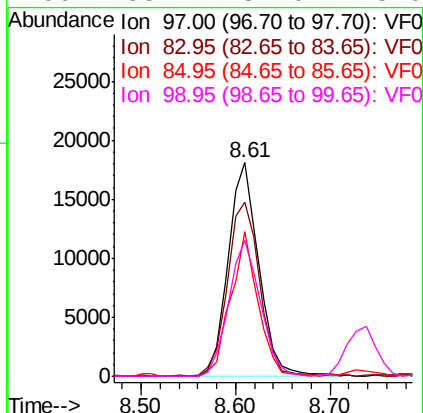
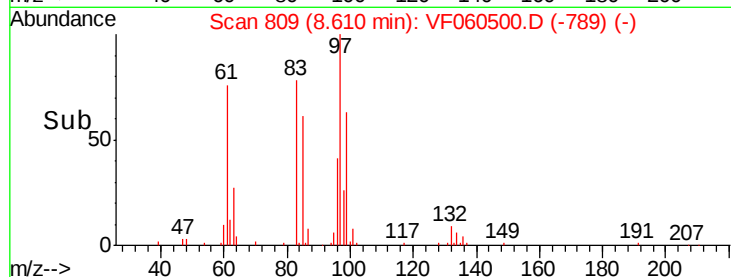
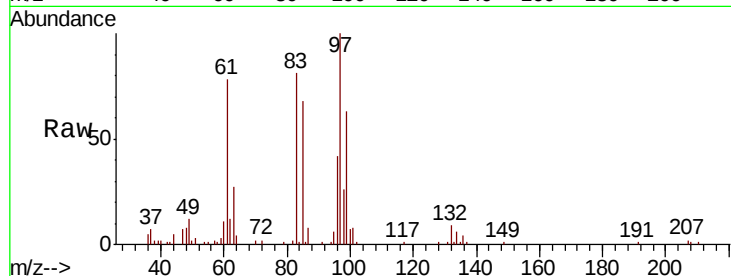
ClientSampleId :

VF1009SBS01

Tot Ion:	97	Resp:	40479
Ion	Ratio	Lower	Upper
97	100		
83	81.5	71.9	107.9
85	68.0	47.8	71.8
99	63.4	52.0	78.0

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#56

Ethyl methacrylate

Concen: 23.118 ug/l

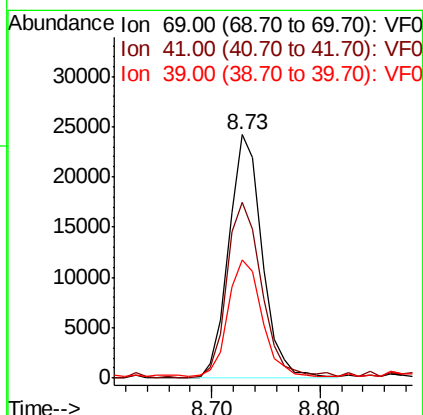
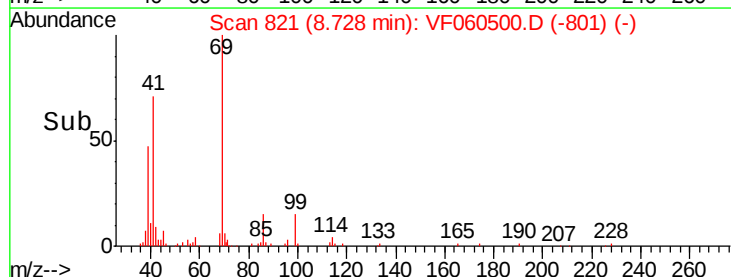
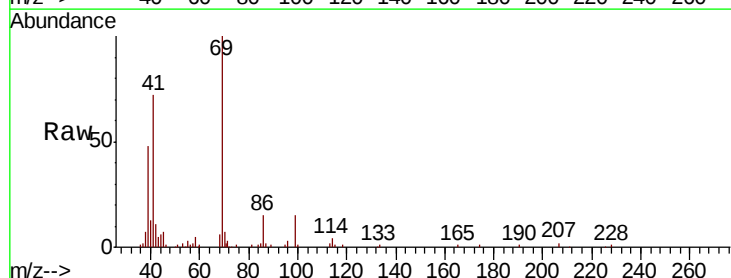
RT: 8.73 min Scan# 821

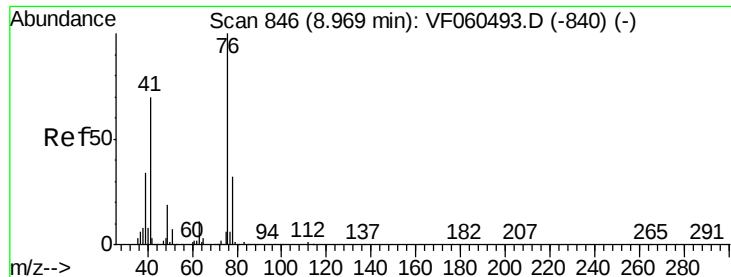
Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion:	69	Resp:	52110
Ion	Ratio	Lower	Upper
69	100		
41	72.3	59.3	88.9
39	48.4	41.8	62.6





#57

1,3-Dichloropropane

Concen: 22.402 ug/l

RT: 8.97 min Scan# 846

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion: 76 Resp: 75148

Ion Ratio Lower Upper

76 100

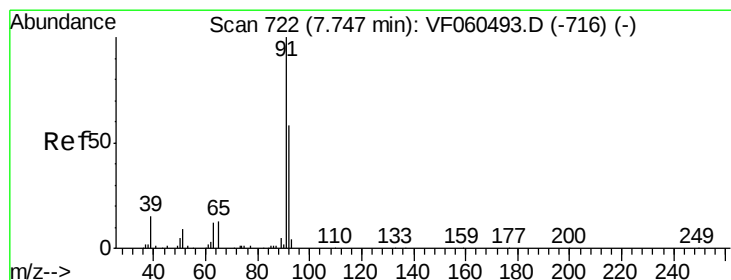
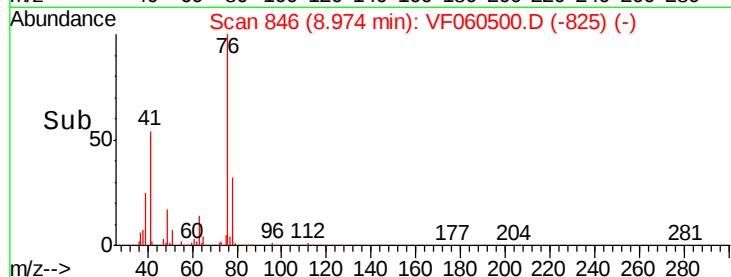
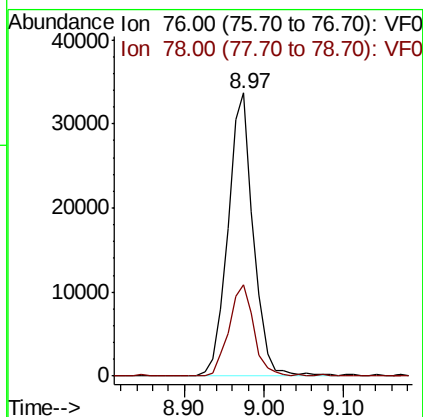
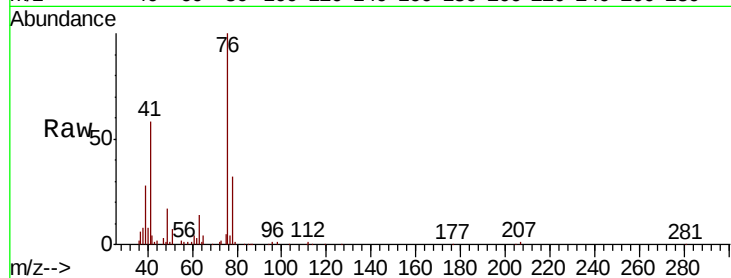
78 32.2 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 109.647 ug/l

RT: 7.74 min Scan# 721

Delta R.T. -0.00 min

Lab File: VF060500.D

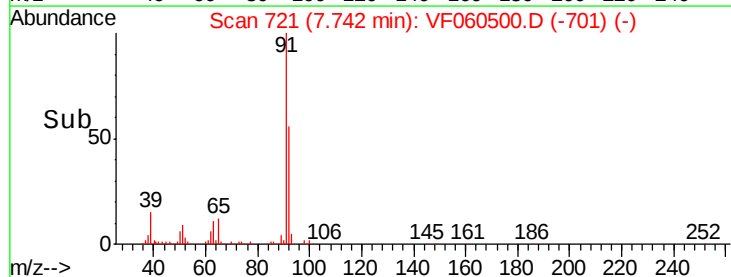
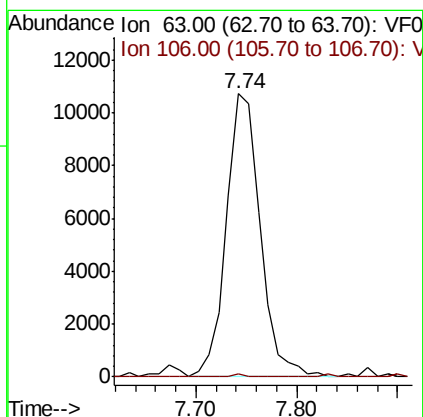
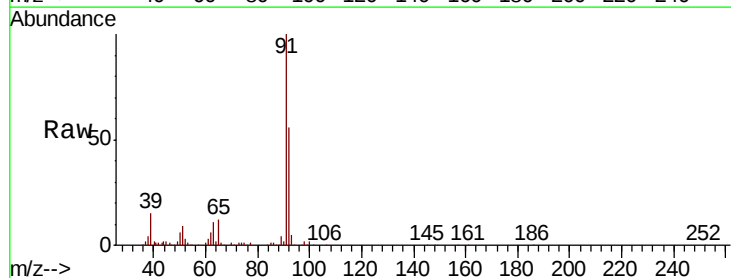
Acq: 9 Oct 2018 20:31

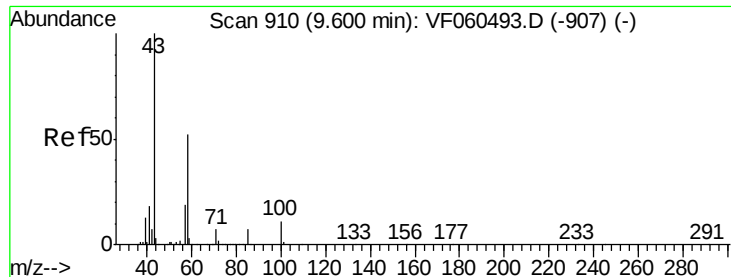
Tgt Ion: 63 Resp: 25115

Ion Ratio Lower Upper

63 100

106 1.0 0.0 0.0#





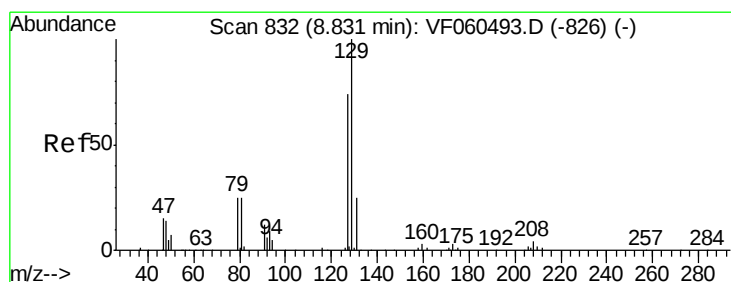
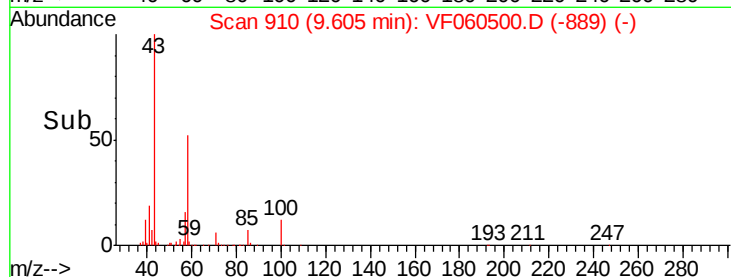
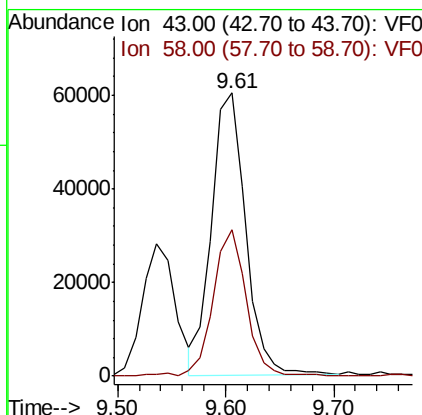
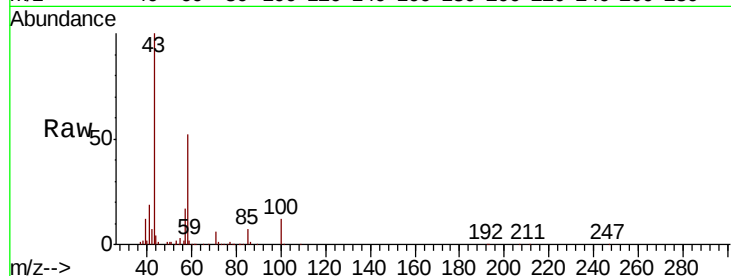
#59
2-Hexanone
Concen: 120.950 ug/l
RT: 9.61 min Scan# 910
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion: 43 Resp: 131709
Ion Ratio Lower Upper
43 100
58 51.7 24.2 72.6

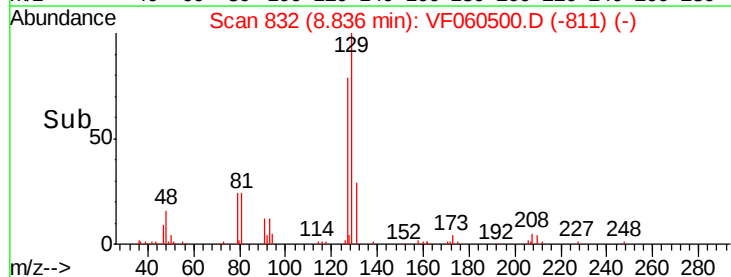
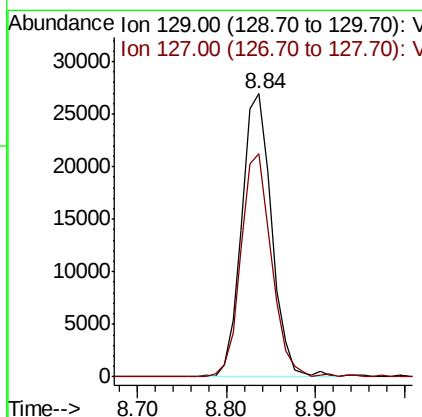
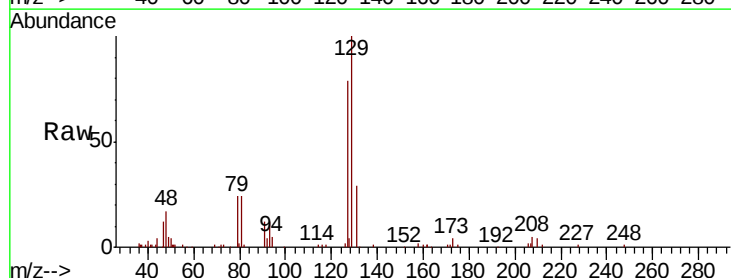
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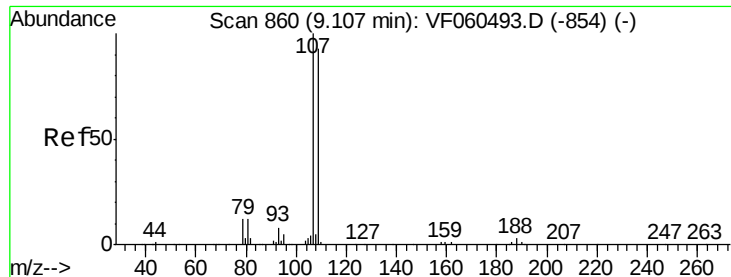
apatel
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#60
Dibromochloromethane
Concen: 20.480 ug/l
RT: 8.84 min Scan# 832
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 129 Resp: 62627
Ion Ratio Lower Upper
129 100
127 79.0 37.0 110.9





#61

1,2-Dibromoethane

Concen: 21.935 ug/l

RT: 9.10 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBS01

Tot Ion:107 Resp: 48284

Ion Ratio Lower Upper

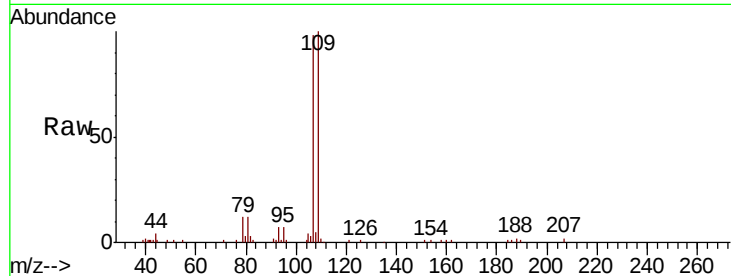
107 100

109 101.7 74.6 112.0

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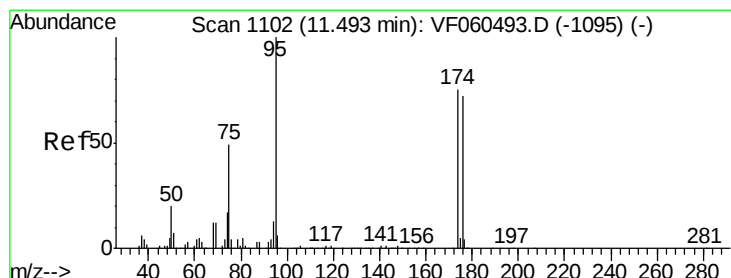
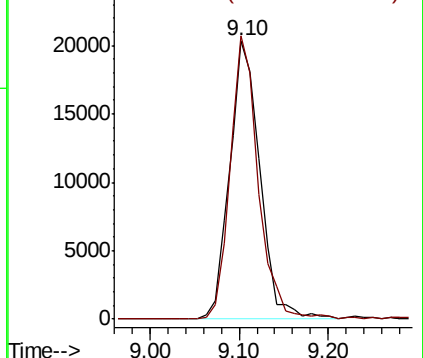
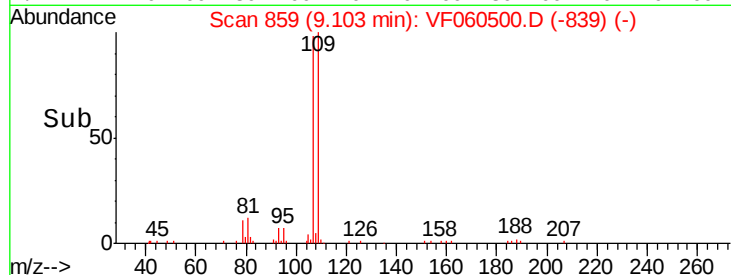
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.230 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

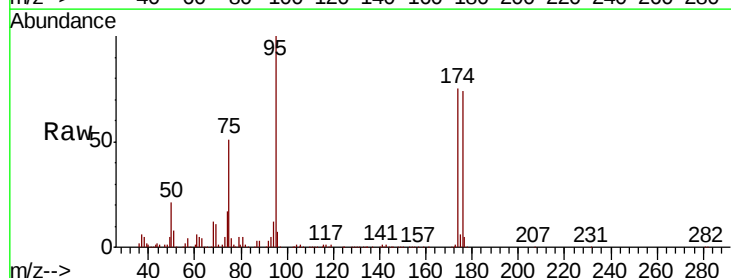
Tgt Ion: 95 Resp: 221858

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.4

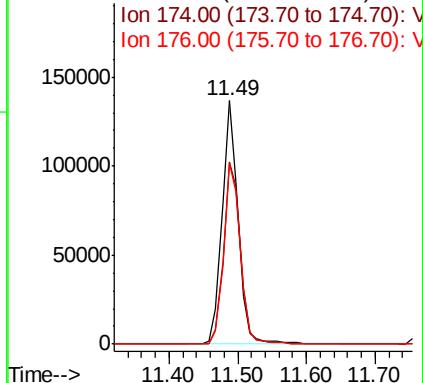
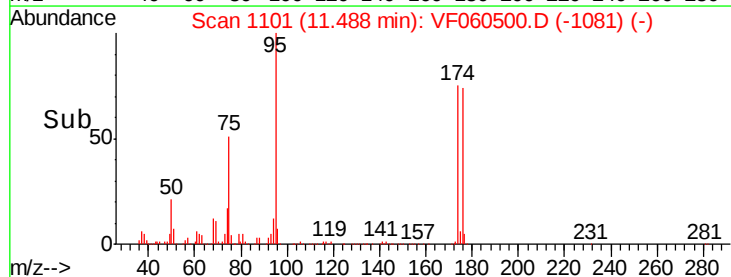
176 74.5 0.0 144.6

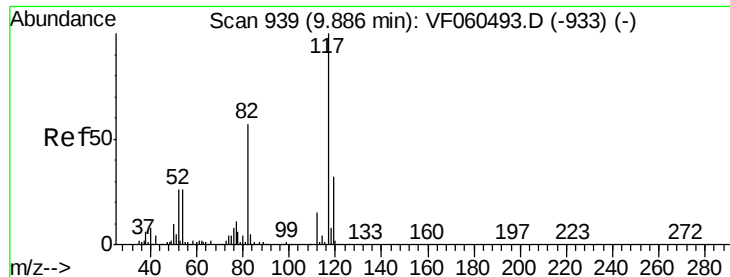


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





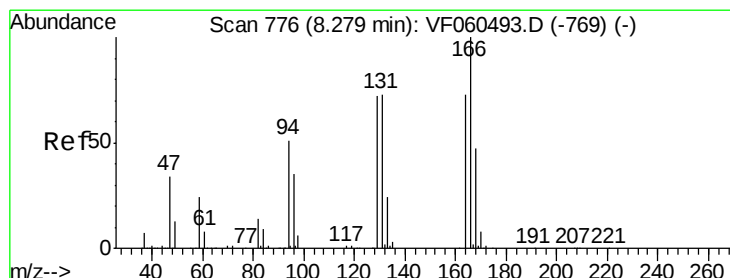
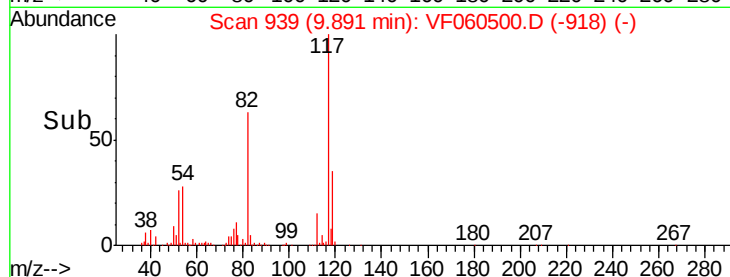
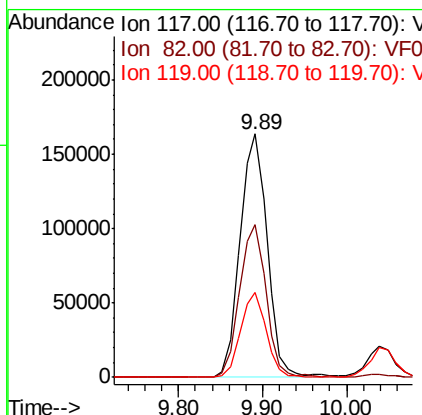
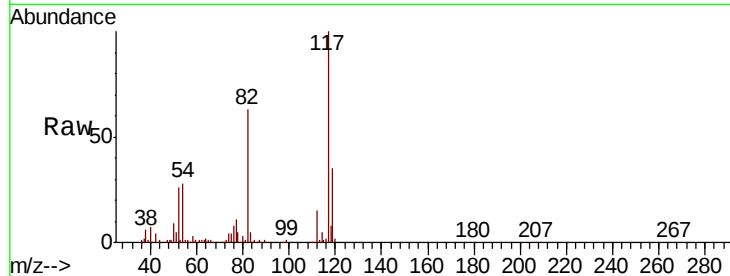
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369658		
82	63.0	45.6	68.4	
119	35.0	25.3	37.9	

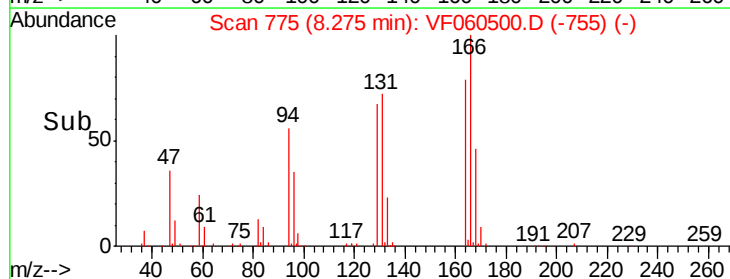
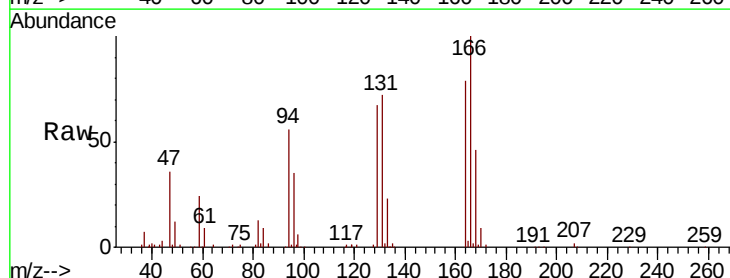
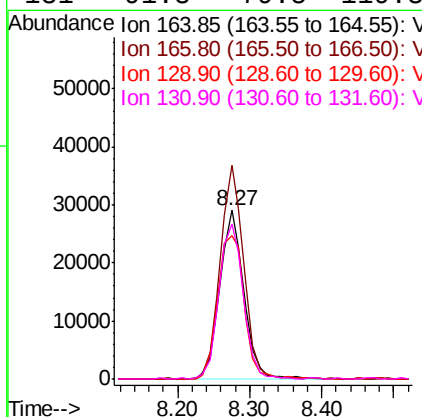
Manual Integrations
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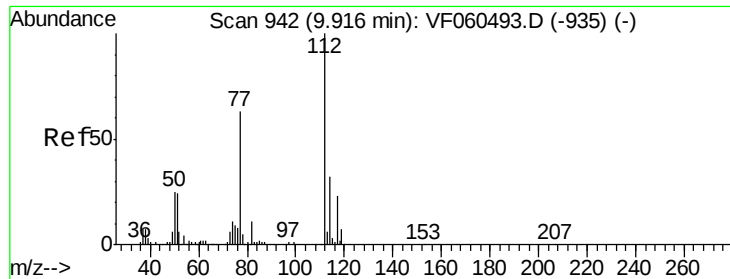
apatel
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#64
Tetrachloroethene
Concen: 22.641 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	66336		
166	126.8	109.4	164.0	
129	85.2	78.9	118.3	
131	91.8	79.5	119.3	





#65

Chlorobenzene

Concen: 21.154 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion:112 Resp: 151861

Ion Ratio Lower Upper

112 100

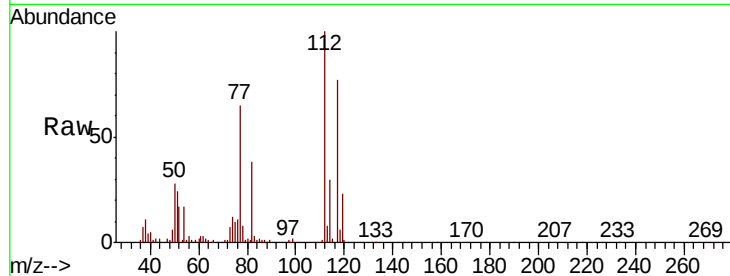
114 29.8 25.9 38.9

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

80000

60000

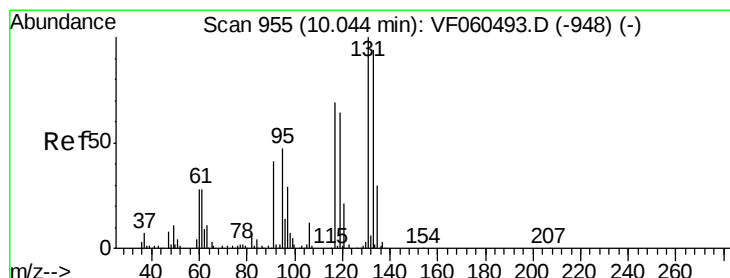
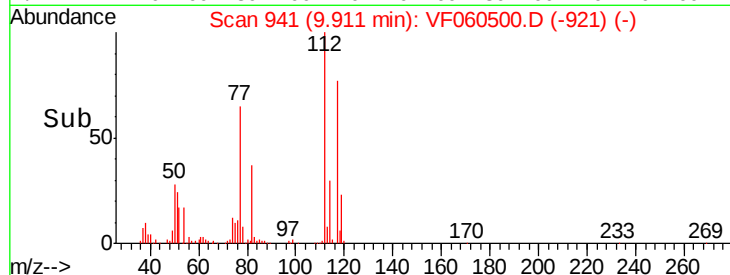
40000

20000

0

9.80 9.90 10.00 10.10

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.552 ug/l

RT: 10.04 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

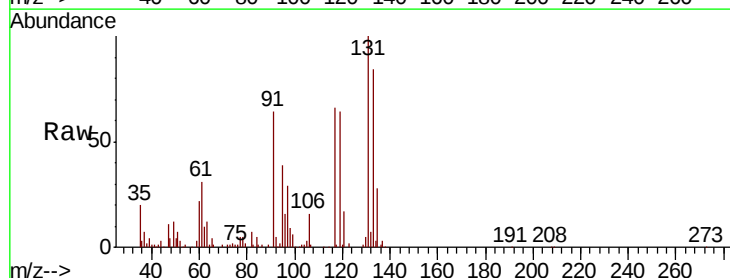
Tgt Ion:131 Resp: 66458

Ion Ratio Lower Upper

131 100

133 84.4 47.1 141.4

119 63.7 32.0 96.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

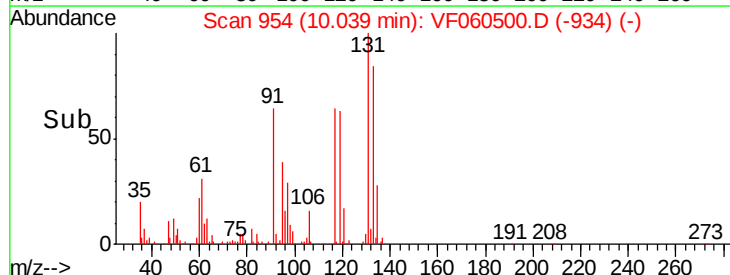
40000

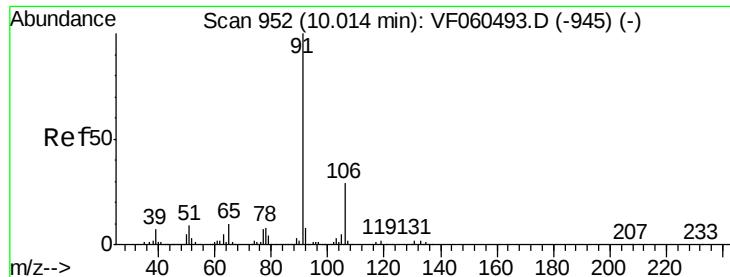
20000

0

9.90 10.00 10.10 10.20

Time-->





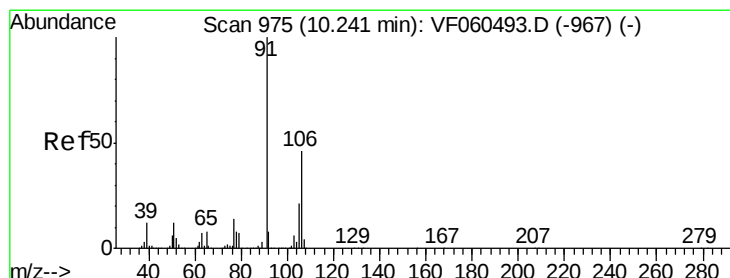
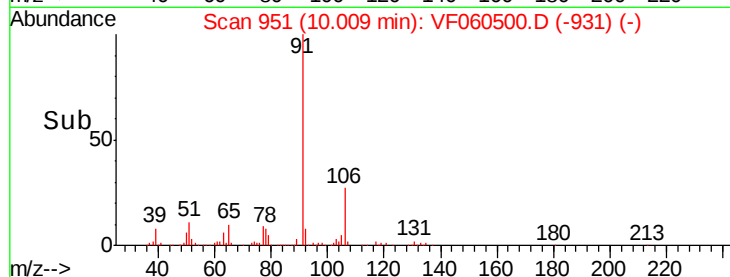
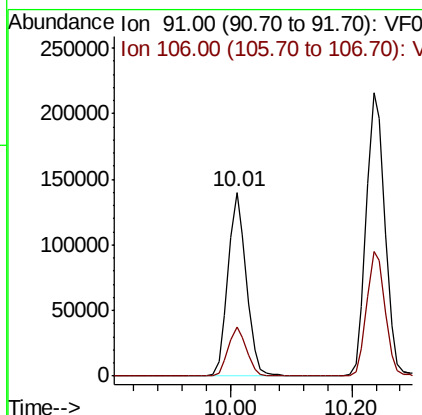
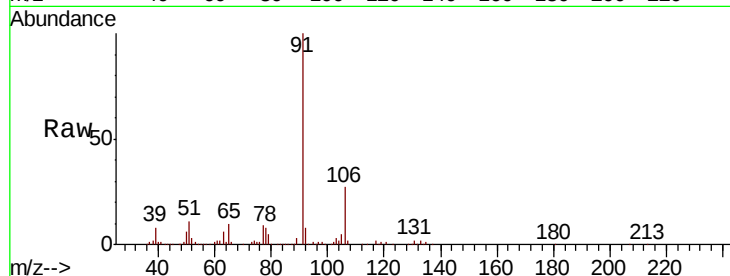
#67
Ethyl Benzene
Concen: 21.858 ug/l
RT: 10.01 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion: 91 Resp: 296057
Ion Ratio Lower Upper
91 100
106 26.7 23.3 34.9

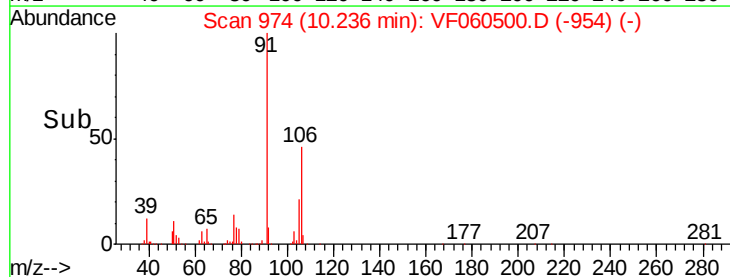
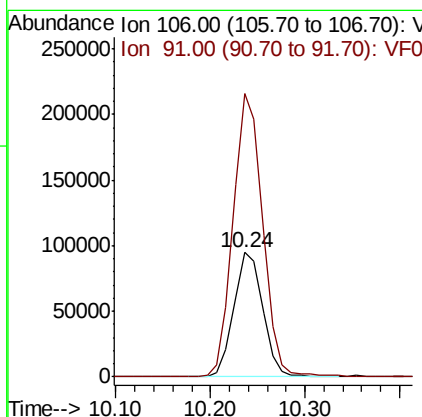
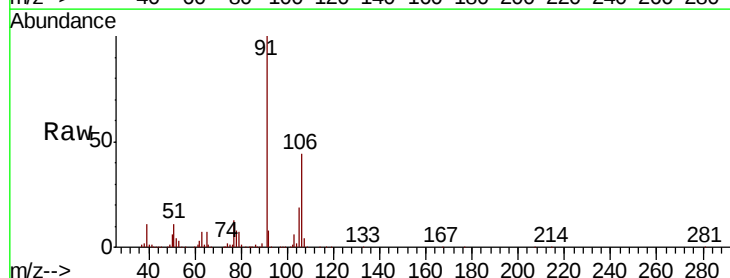
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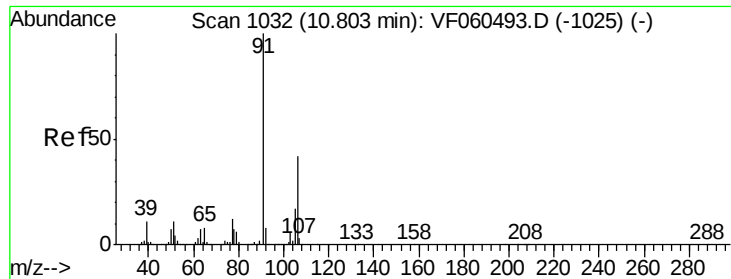
apatel
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#68
m/p-Xylenes
Concen: 43.743 ug/l
RT: 10.24 min Scan# 974
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion: 106 Resp: 202252
Ion Ratio Lower Upper
106 100
91 227.9 174.6 262.0





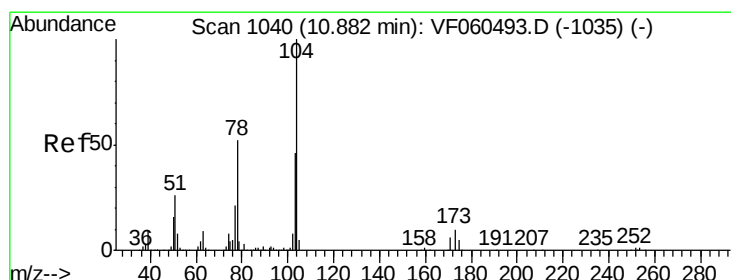
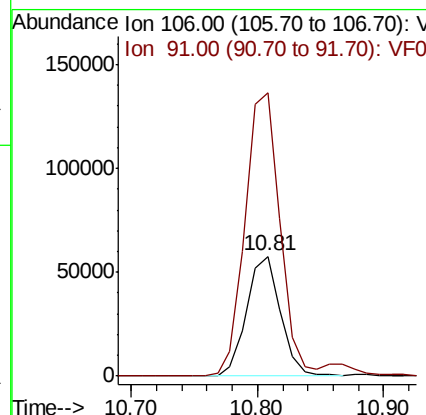
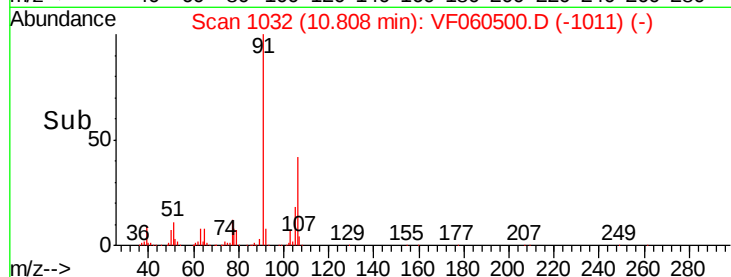
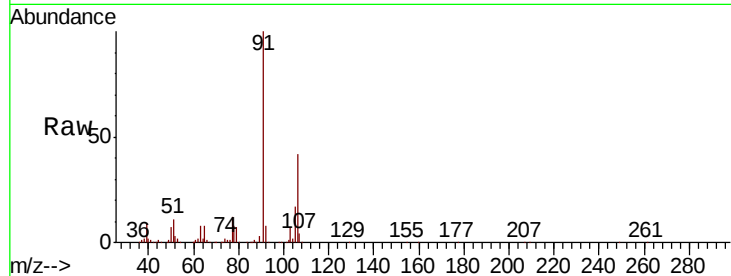
#69
o-Xylene
Concen: 21.411 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	235.9	118.8	356.3

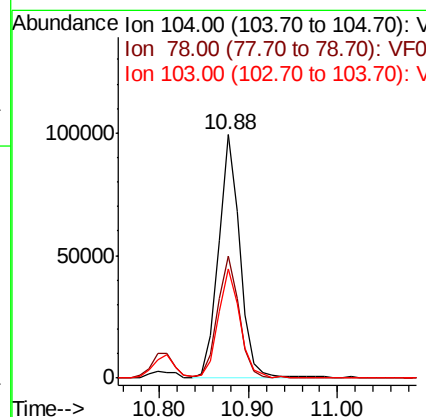
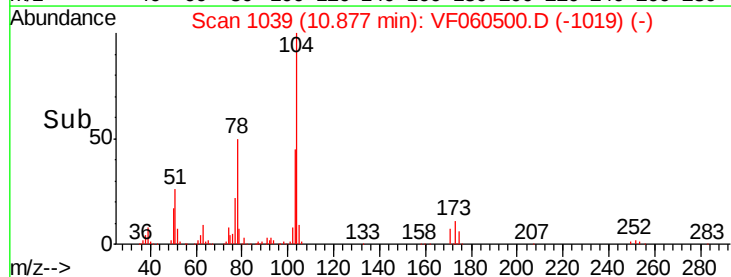
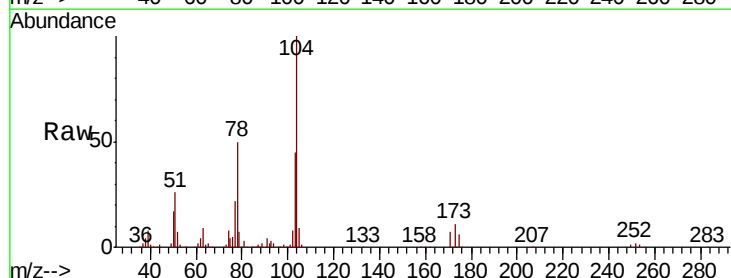
Manual Integrations
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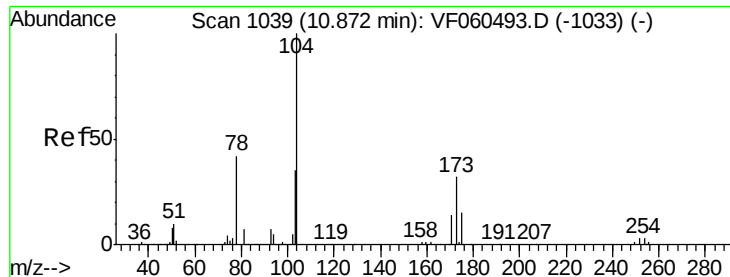
apatel
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#70
Styrene
Concen: 22.769 ug/l
RT: 10.88 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.2	42.7	64.1
103	45.1	37.6	56.4





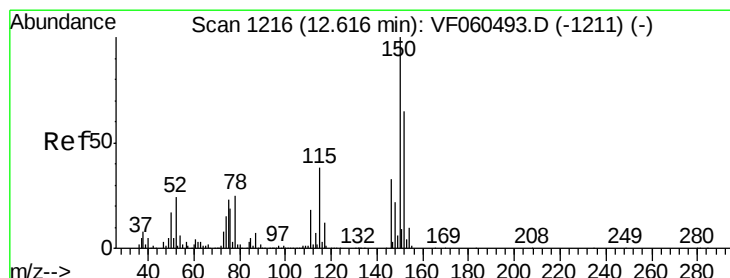
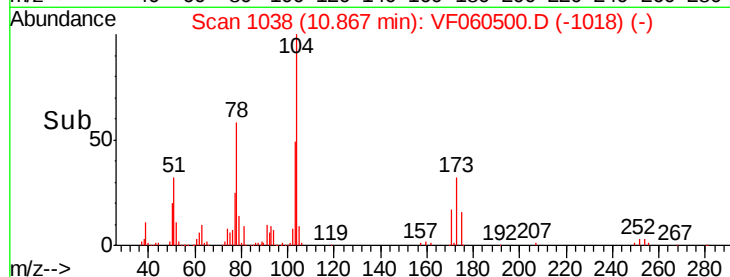
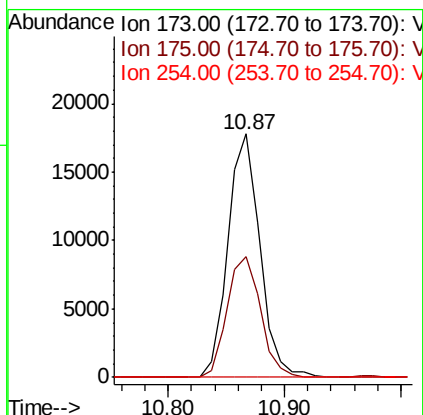
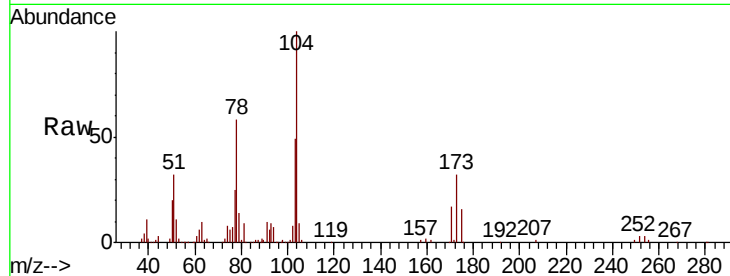
#71
Bromoform
Concen: 20.603 ug/l
RT: 10.87 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.2	69.6
254	0.0	0.2	0.2

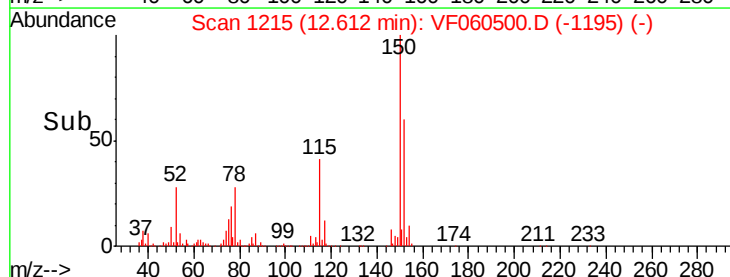
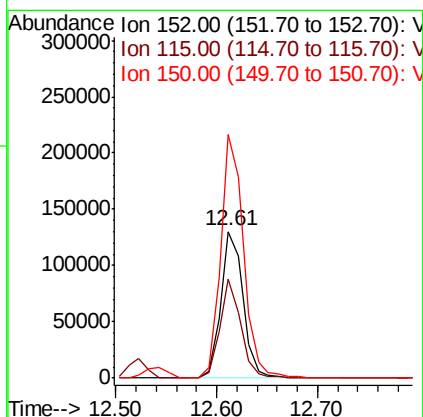
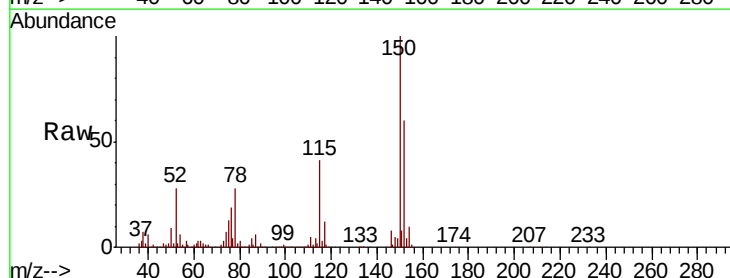
Manual Integrations
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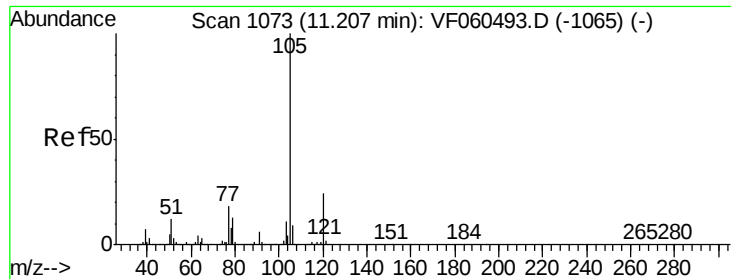
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.4	29.5	88.5
150	166.0	0.0	310.0





#73

Isopropylbenzene

Concen: 22.994 ug/l

RT: 11.20 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion: 105 Resp: 345959

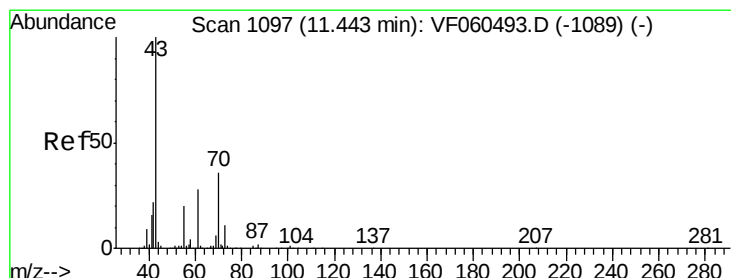
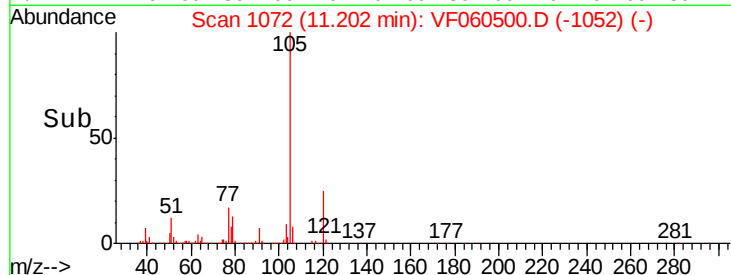
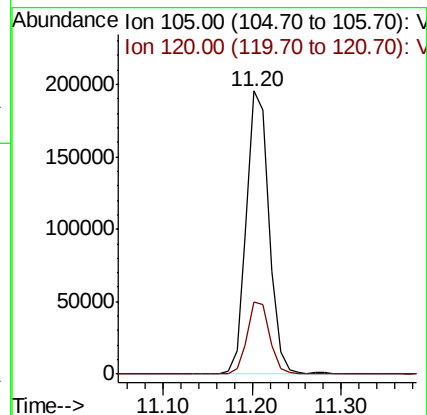
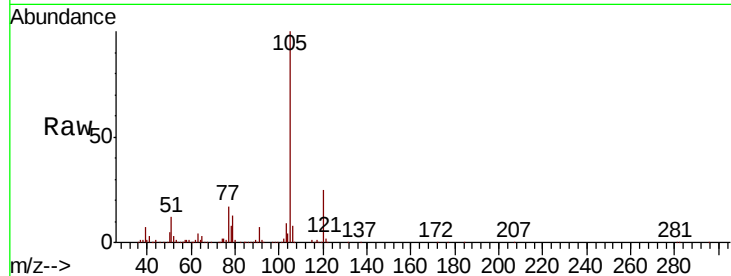
Ion Ratio Lower Upper

105 100

120 25.4 11.9 35.9

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#74

N-ethyl acetate

Concen: 23.676 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion: 43 Resp: 77536

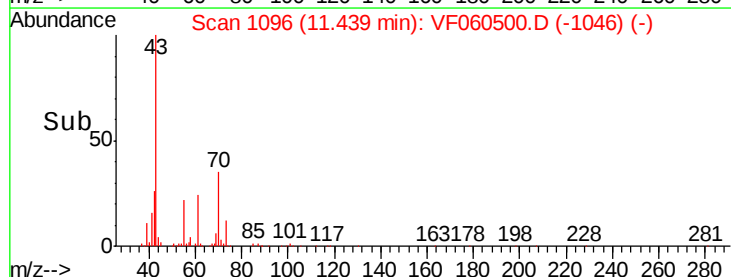
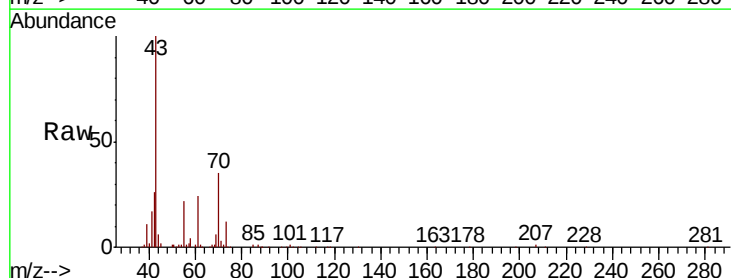
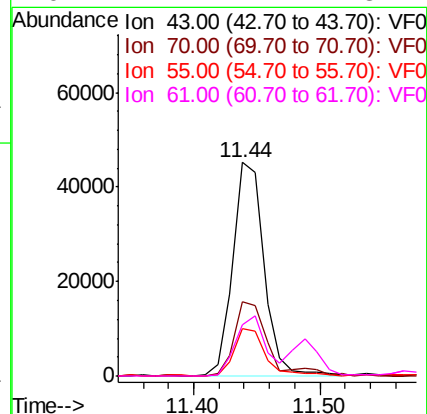
Ion Ratio Lower Upper

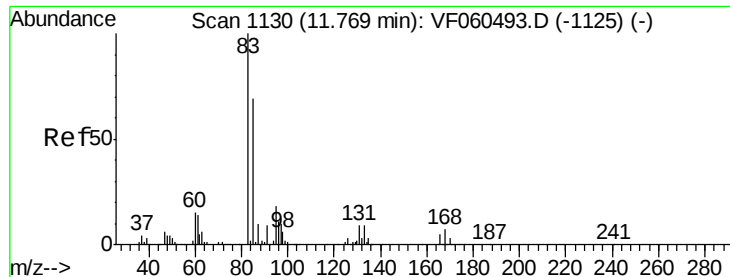
43 100

70 35.0 28.7 43.1

55 22.3 16.1 24.1

61 24.2 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.621 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

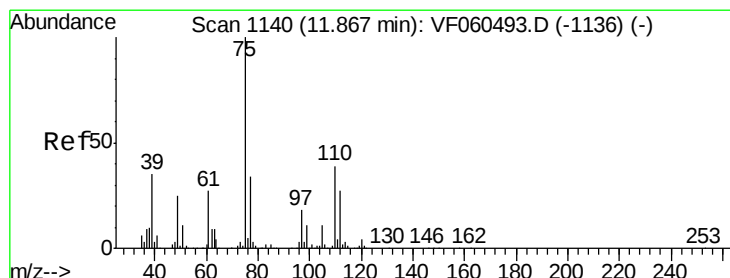
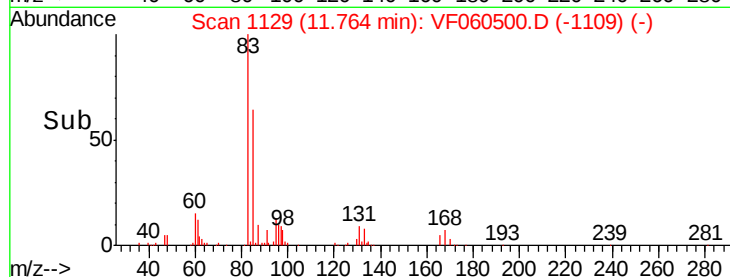
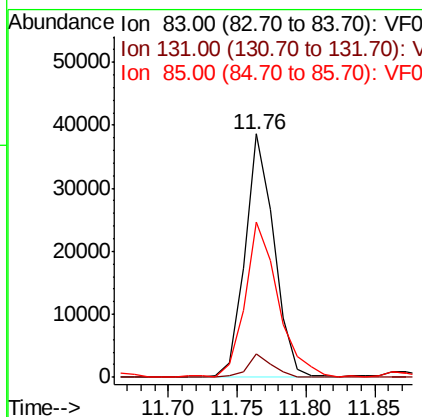
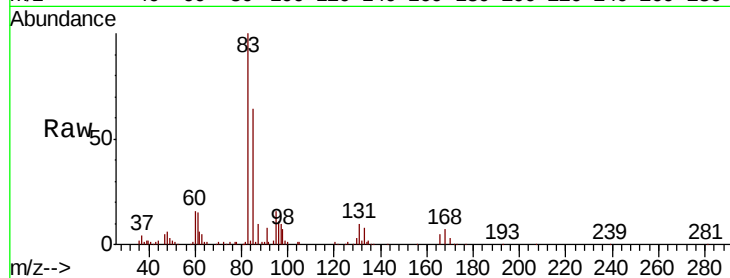
ClientSampleId :

VF1009SBSD01

Tot Ion:	83	Resp:	57205
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.5	13.4
85	63.6	34.8	104.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.190 ug/l

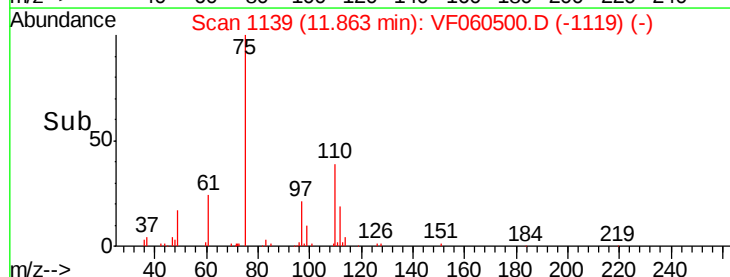
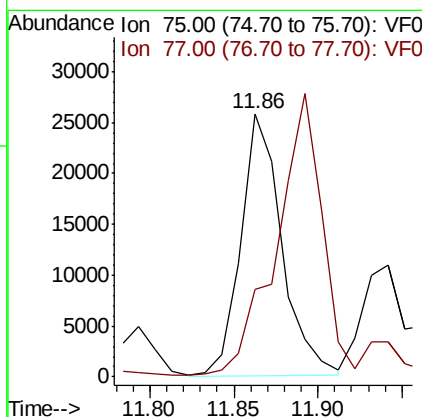
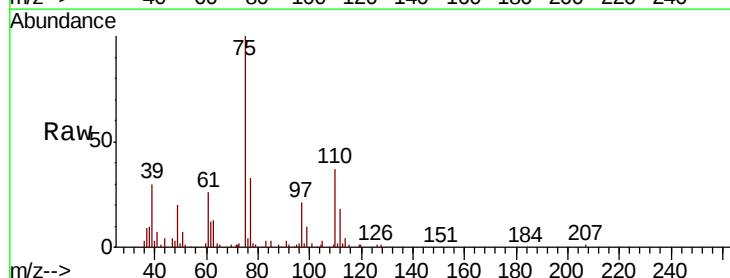
RT: 11.86 min Scan# 1139

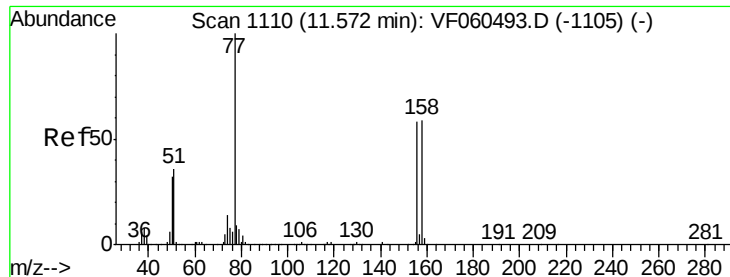
Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion:	75	Resp:	43381
Ion Ratio	Lower	Upper	
75	100		
77	33.1	17.4	52.2





#77

Bromobenzene

Concen: 21.468 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion:156 Resp: 71779

Ion Ratio Lower Upper

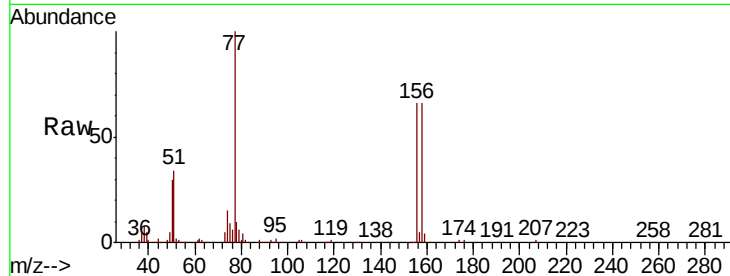
156 100

77 152.5 86.3 258.8

158 101.1 51.1 153.3

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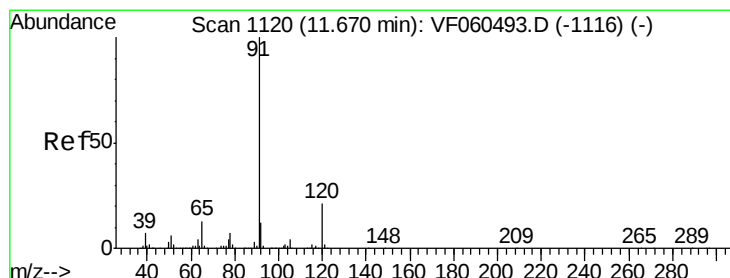
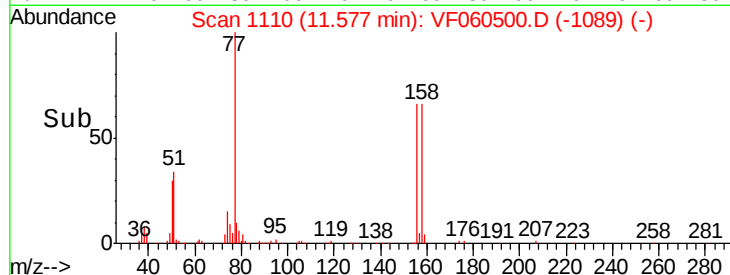
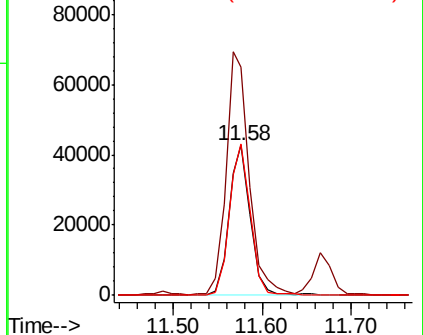
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.234 ug/l

RT: 11.67 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VF060500.D

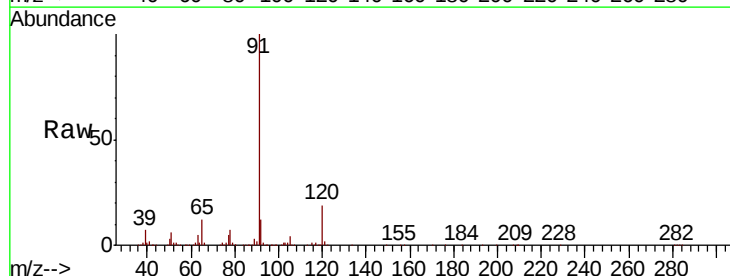
Acq: 9 Oct 2018 20:31

Tgt Ion: 91 Resp: 398418

Ion Ratio Lower Upper

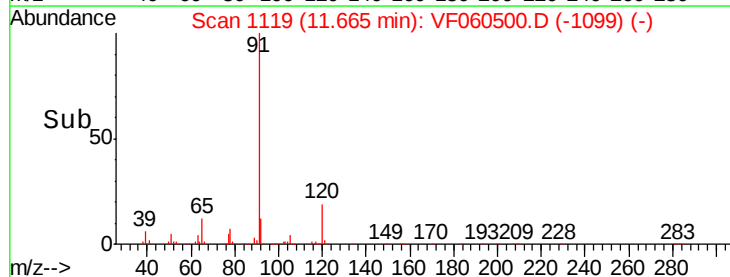
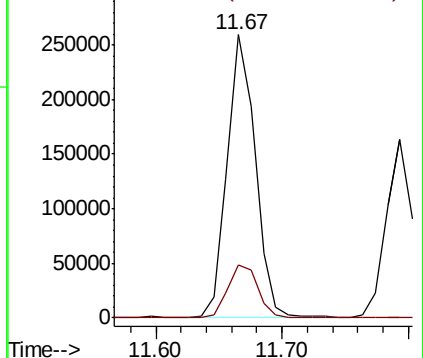
91 100

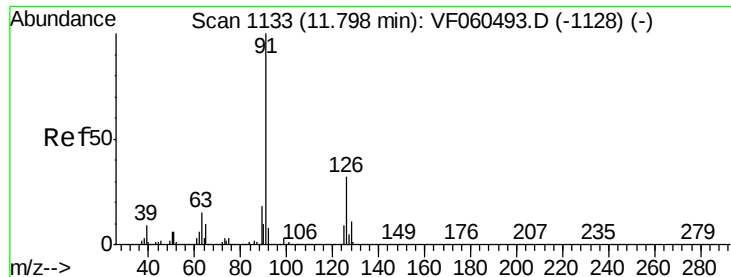
120 18.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.870 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

VF1009SBSD01

Tot Ion: 91 Resp: 239911

Ion Ratio Lower Upper

91 100

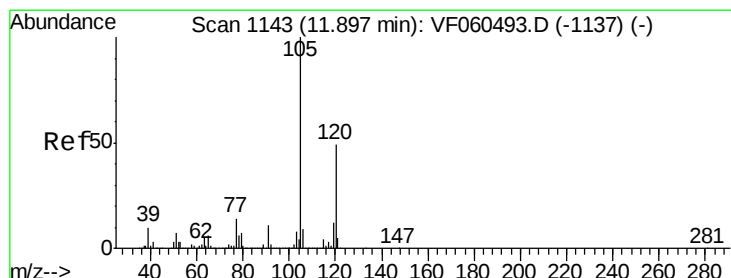
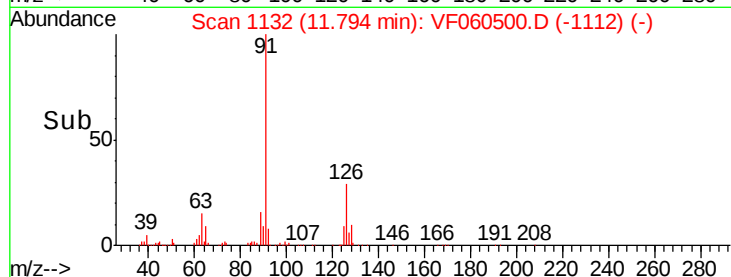
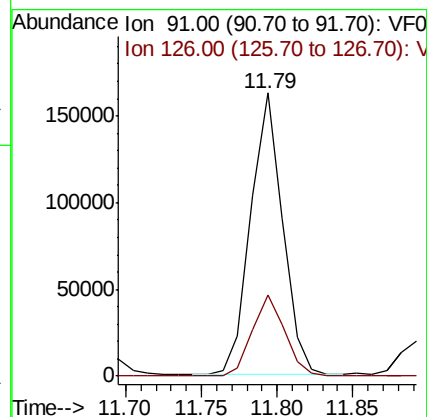
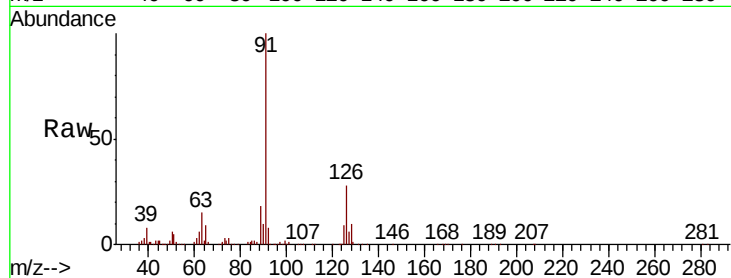
126 28.4 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 22.128 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060500.D

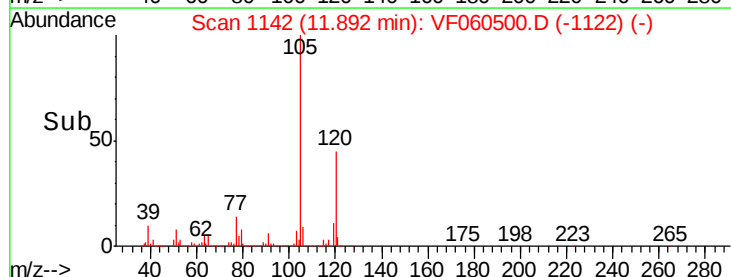
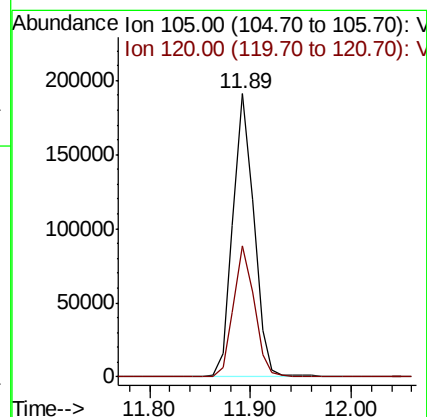
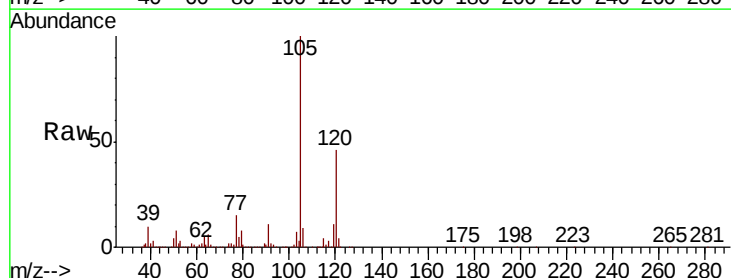
Acq: 9 Oct 2018 20:31

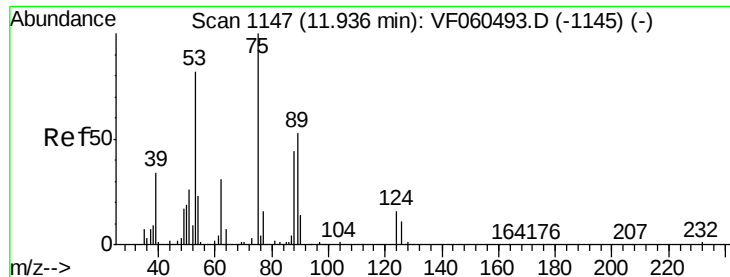
Tgt Ion: 105 Resp: 279300

Ion Ratio Lower Upper

105 100

120 46.1 24.4 73.2





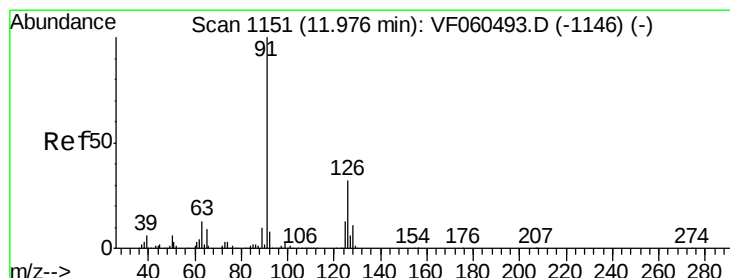
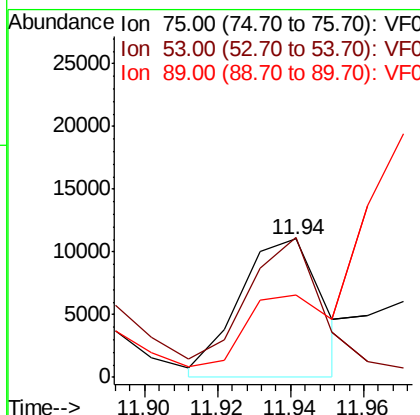
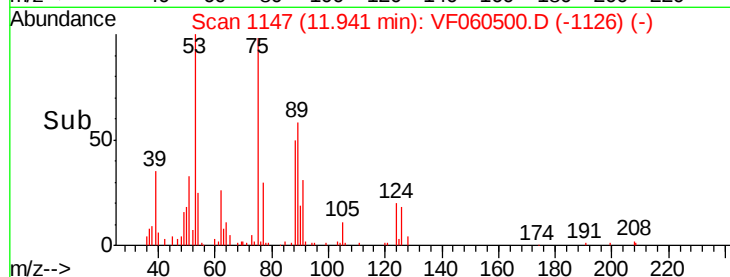
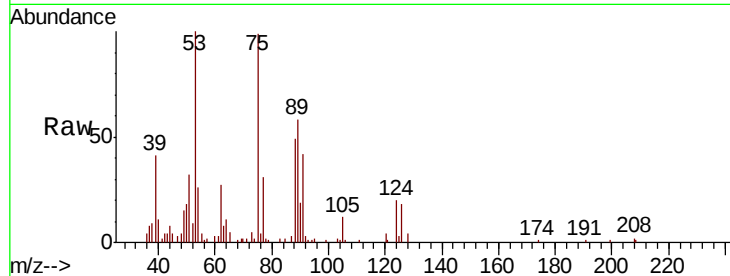
#81
trans-1,4-Dichloro-2-butene
Concen: 20.523 ug/l m
RT: 11.94 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.5	71.0	106.6
89	59.2	43.1	64.7

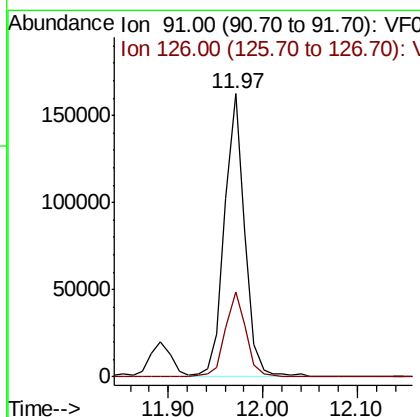
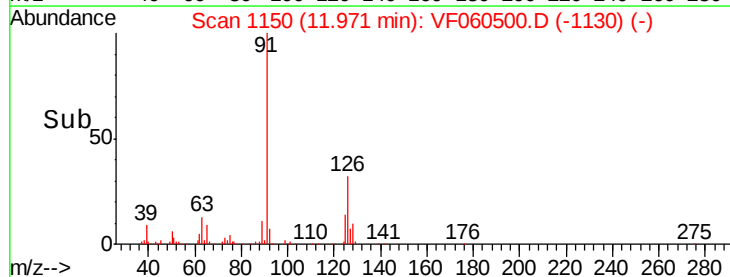
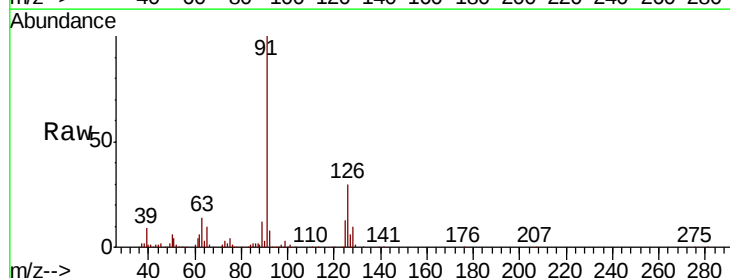
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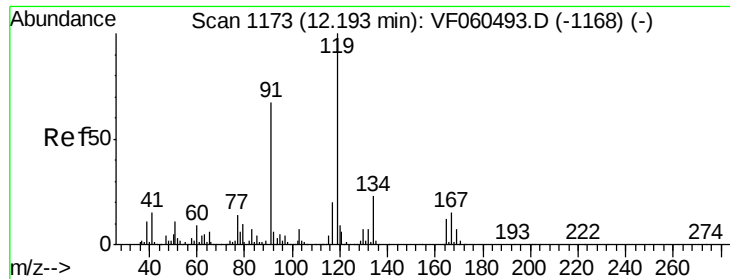
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#82
4-Chlorotoluene
Concen: 22.056 ug/l
RT: 11.97 min Scan# 1150
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	16.0	47.9





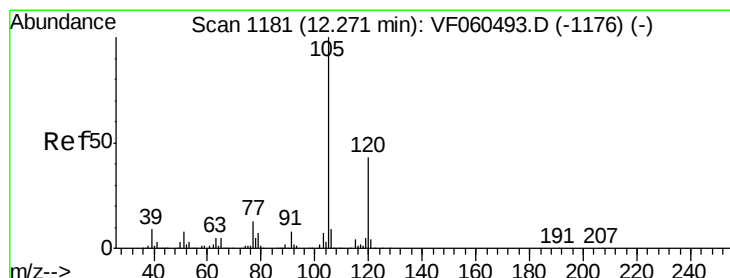
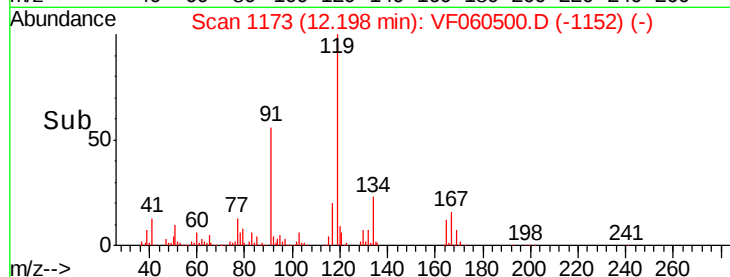
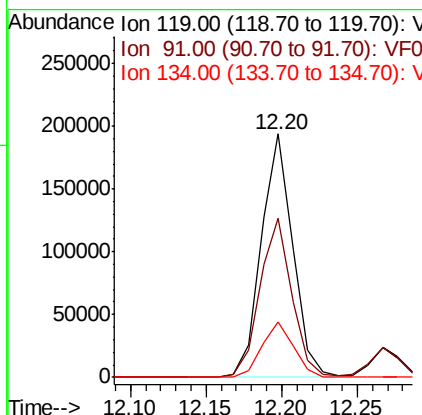
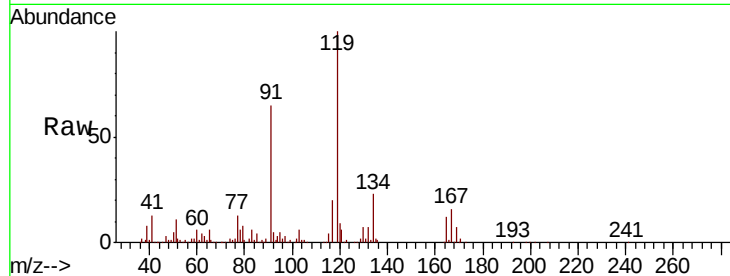
#83
tert-Butylbenzene
Concen: 22.337 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	33.6	100.8
134	22.8	11.5	34.5

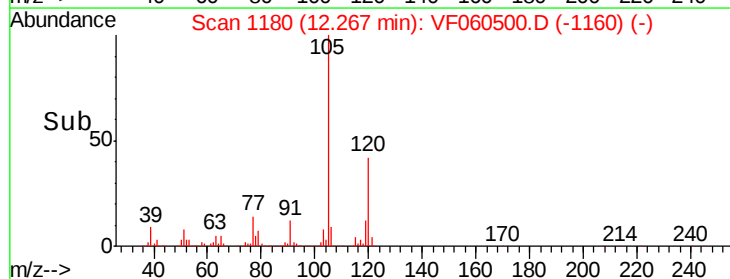
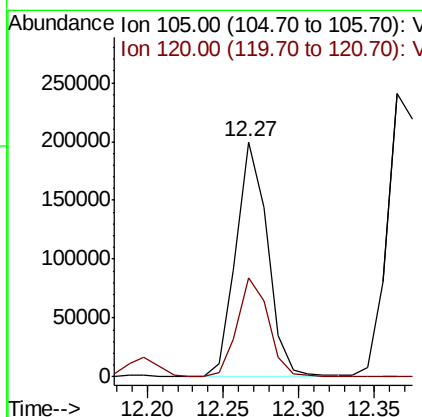
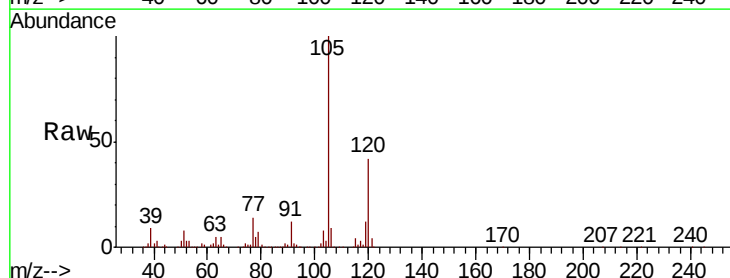
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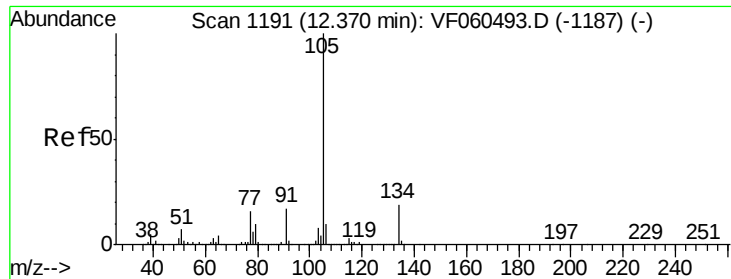
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#84
1,2,4-Trimethylbenzene
Concen: 22.724 ug/l
RT: 12.27 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.7	65.1





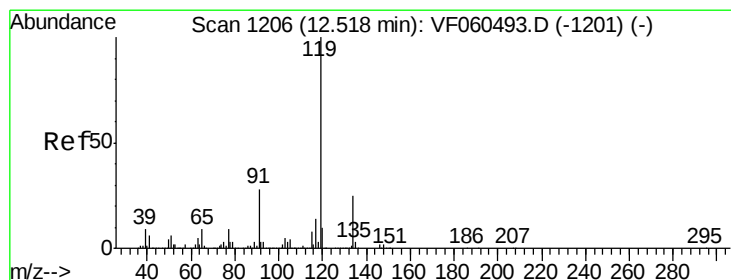
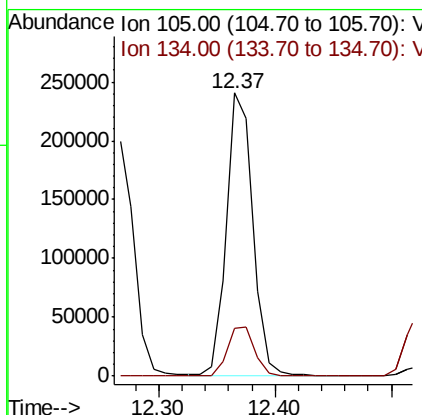
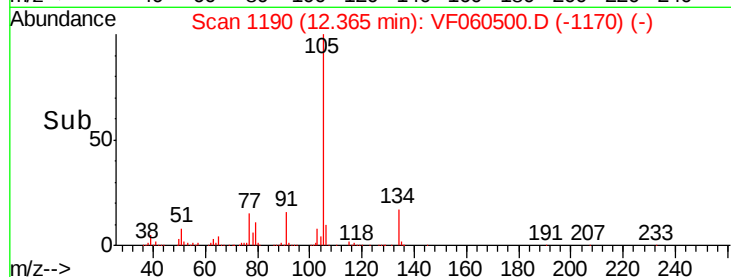
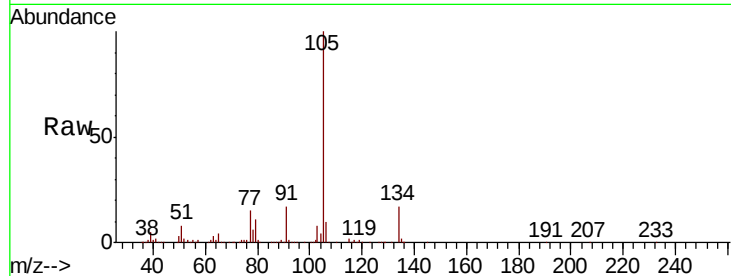
#85
 sec-Butylbenzene
 Concen: 21.963 ug/l
 RT: 12.37 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.7	9.3	27.9

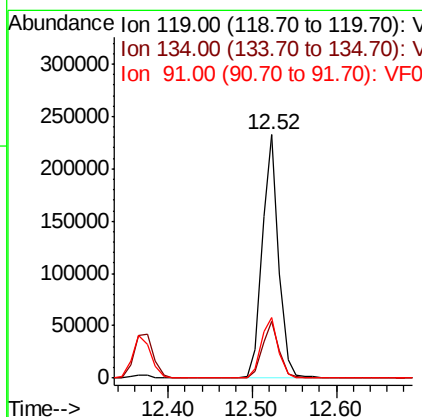
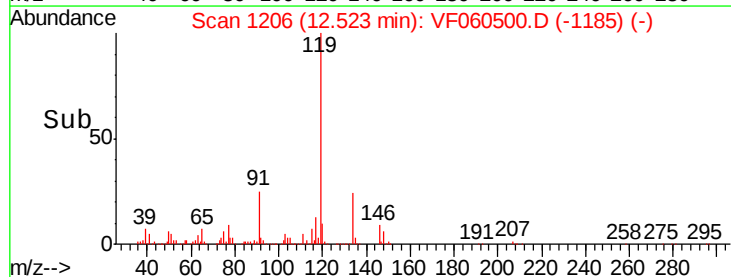
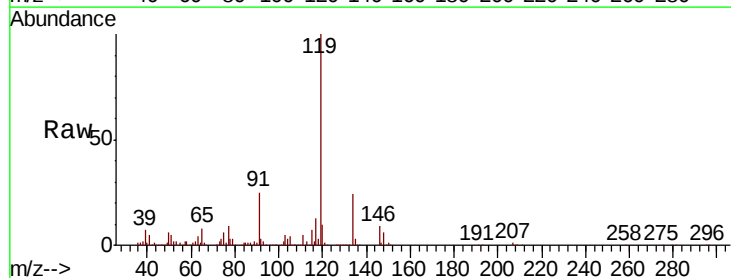
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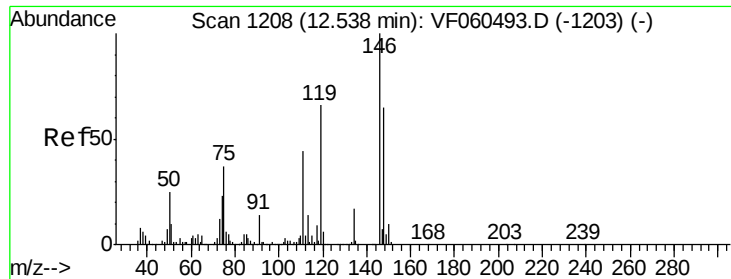
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#86
 p-Isopropyltoluene
 Concen: 22.589 ug/l
 RT: 12.52 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.5	12.6	37.6
91	24.7	14.1	42.4





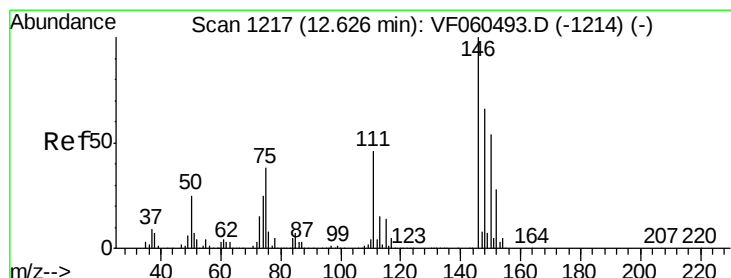
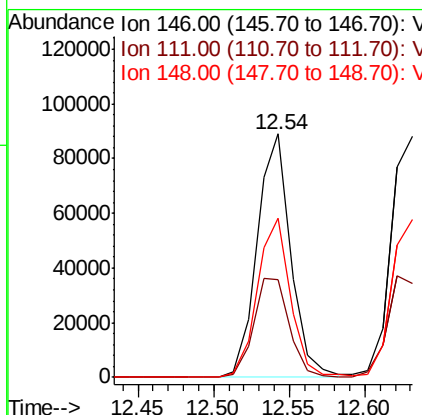
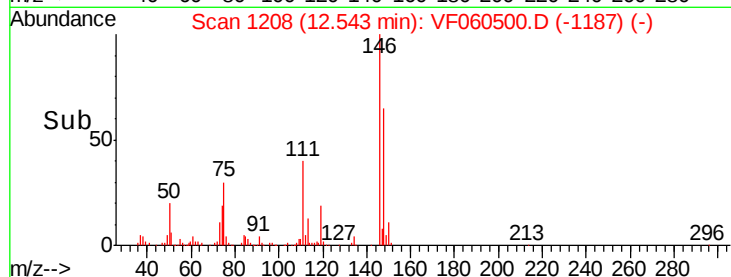
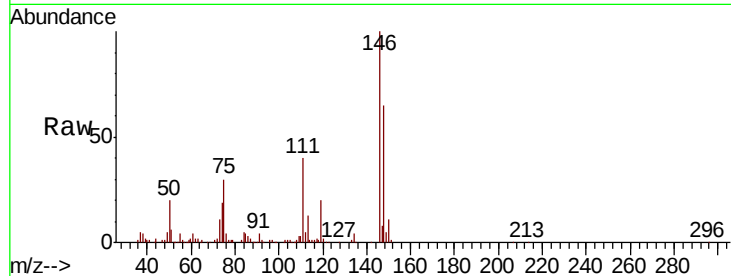
#87
 1,3-Dichlorobenzene
 Concen: 21.654 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	22.2	66.6
148	65.5	32.7	98.1

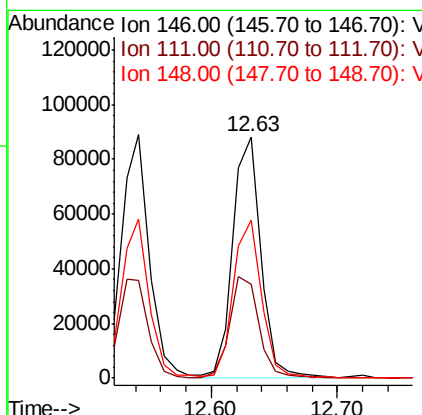
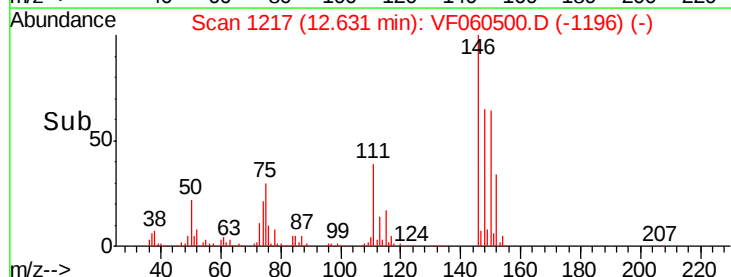
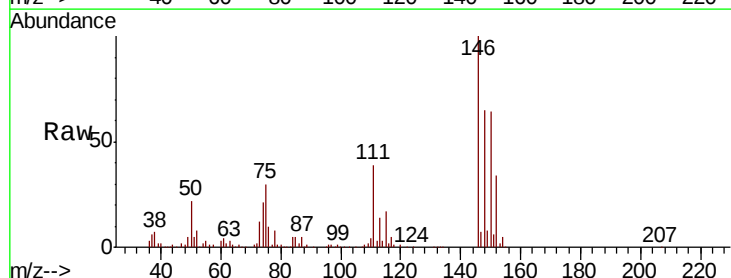
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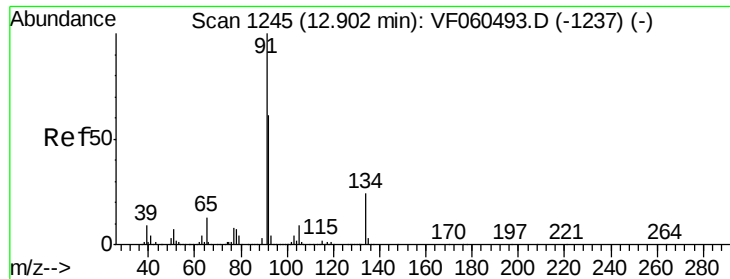
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#88
 1,4-Dichlorobenzene
 Concen: 21.793 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	23.2	69.6
148	65.4	33.3	99.9





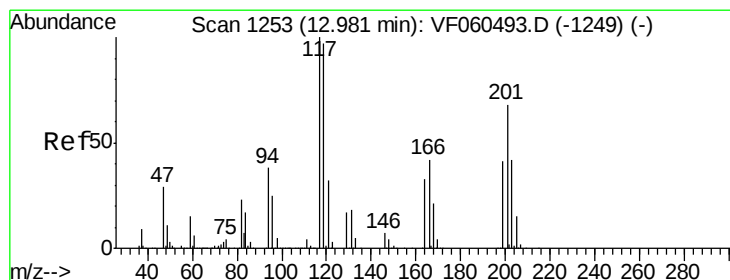
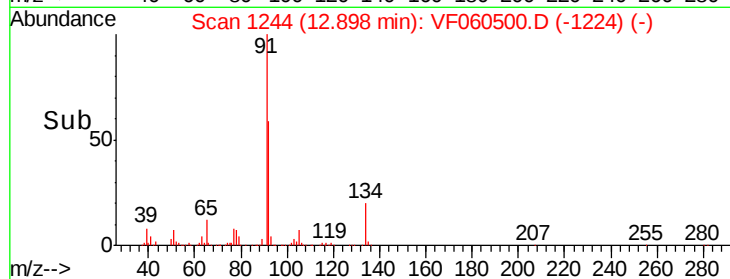
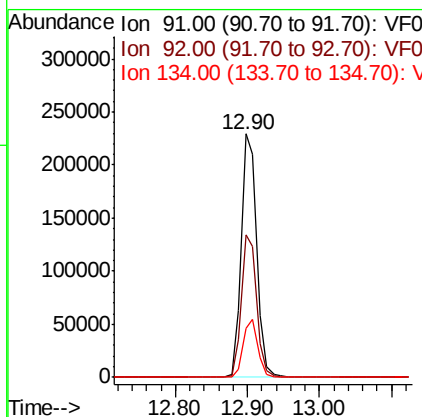
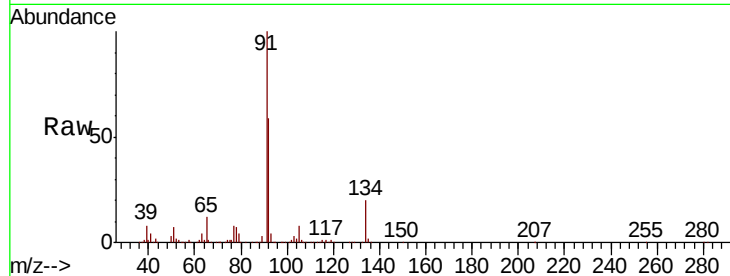
#89
n-Butylbenzene
Concen: 23.336 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.6	30.8	92.3
134	19.9	12.1	36.3

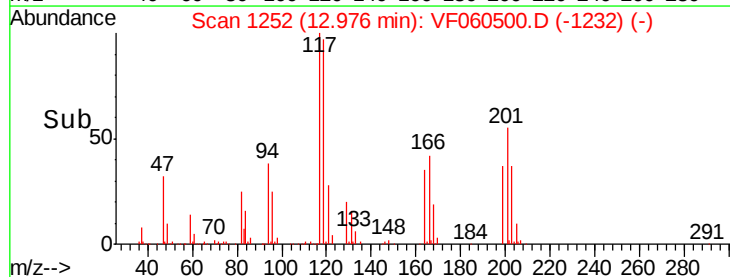
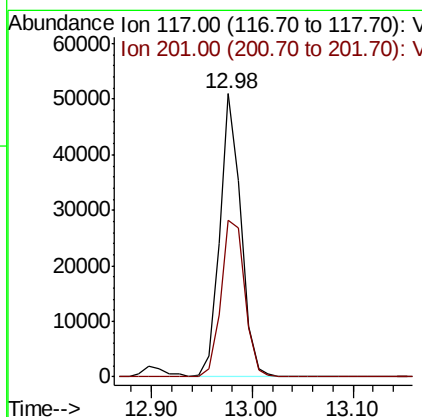
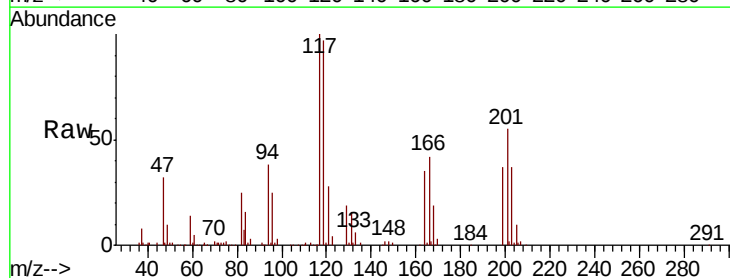
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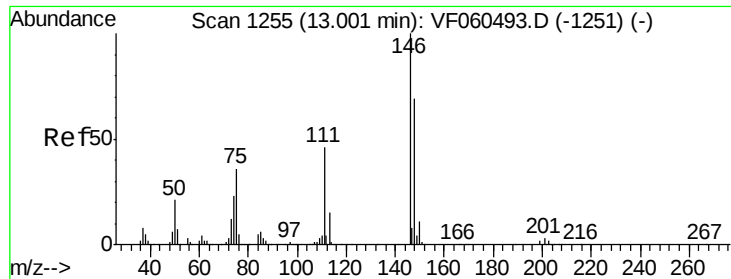
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#90
Hexachloroethane
Concen: 22.148 ug/l
RT: 12.98 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VF060500.D
Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.2	34.0	102.0





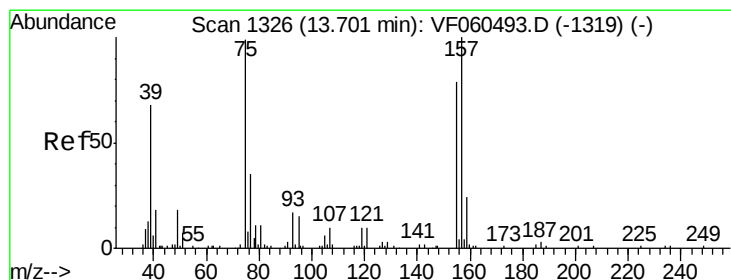
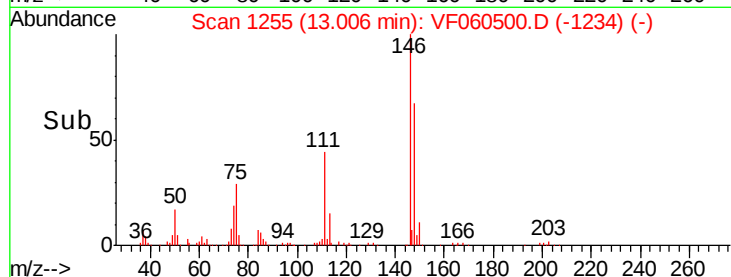
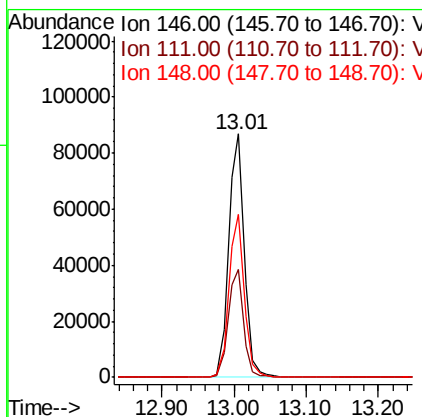
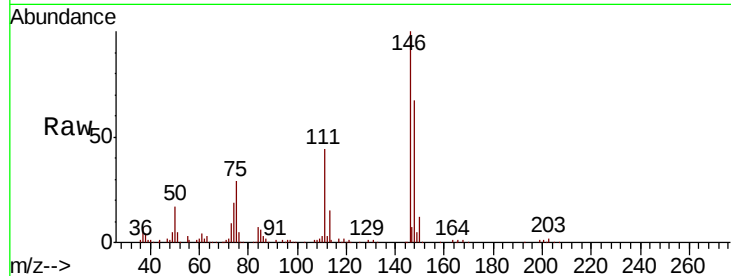
#91
 1,2-Dichlorobenzene
 Concen: 21.268 ug/l
 RT: 13.01 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.9	68.7
148	67.0	34.5	103.5

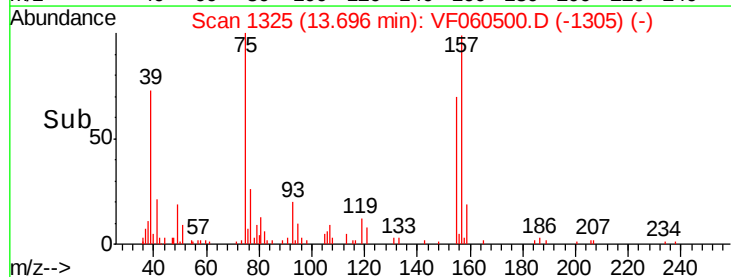
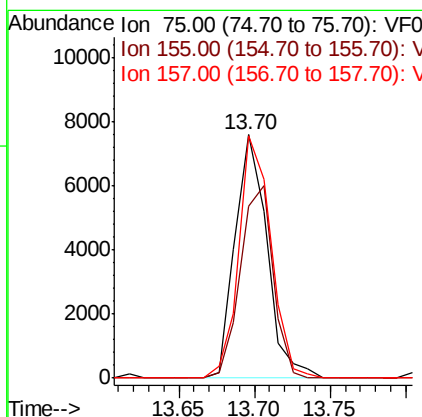
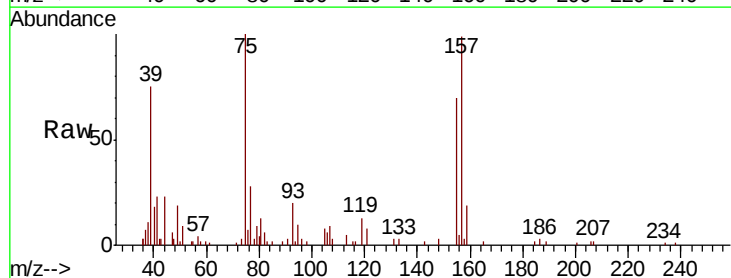
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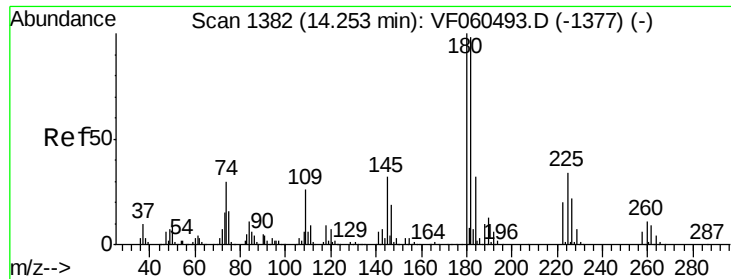
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.751 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.5	40.6	121.7
157	99.3	50.8	152.5





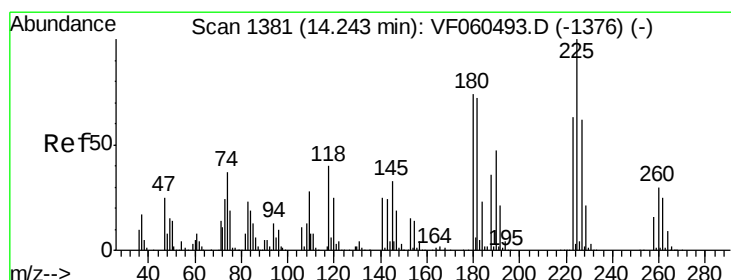
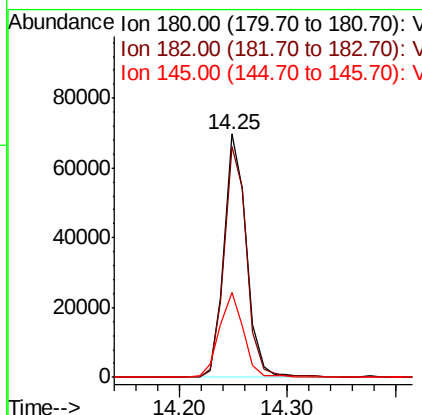
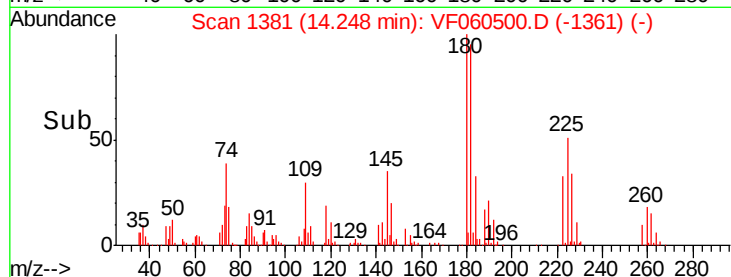
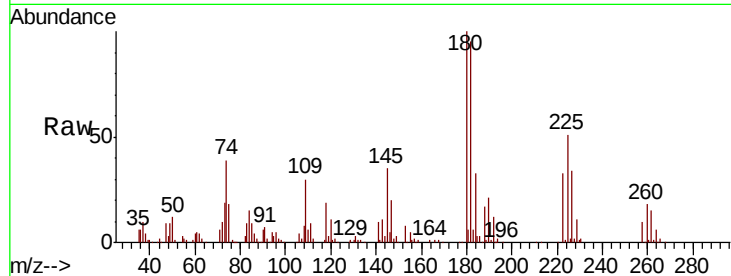
#93
 1,2,4-Trichlorobenzene
 Concen: 21.241 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1009SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	48.9	146.8	
145	34.6	16.2	48.5	

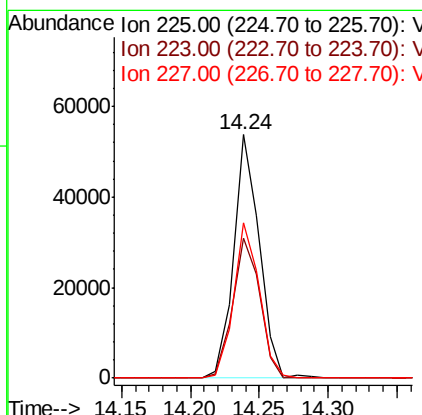
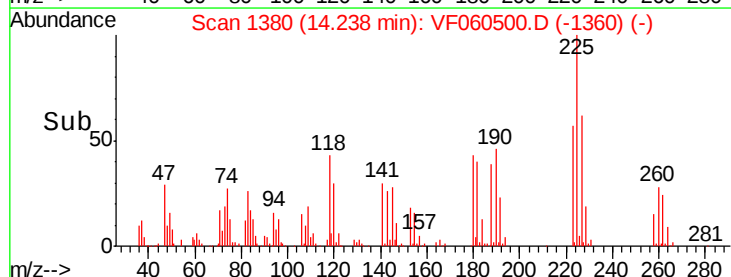
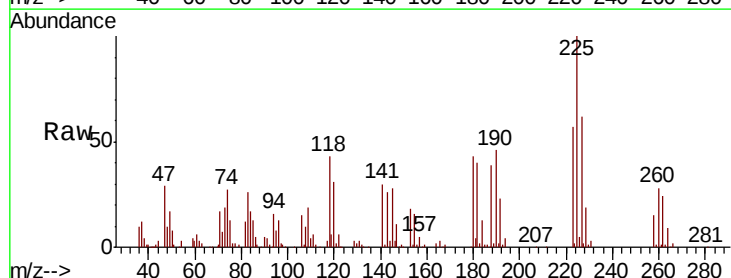
Manual Integrations
 APPROVED

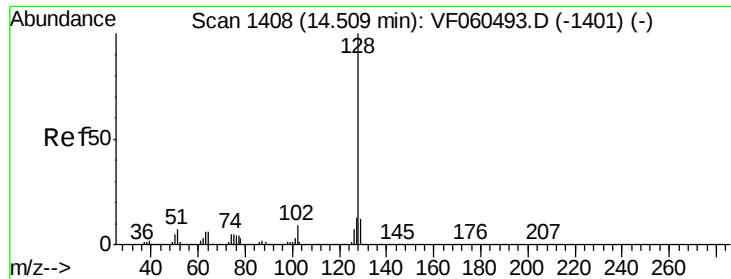
apatel
 10/10/2018 12:34:16 PM



#94
 Hexachlorobutadiene
 Concen: 21.589 ug/l
 RT: 14.24 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF060500.D
 Acq: 9 Oct 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	57.4	31.4	94.2	
227	64.0	30.9	92.7	





#95

Naphthalene

Concen: 22.209 ug/l

RT: 14.50 min Scan# 1407

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Instrument :

MSVOA_F

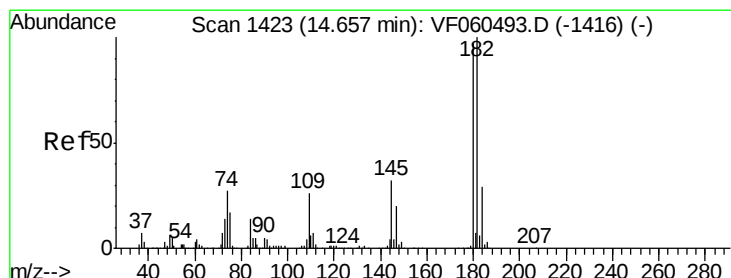
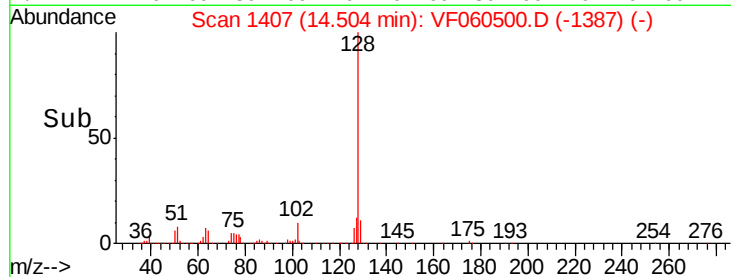
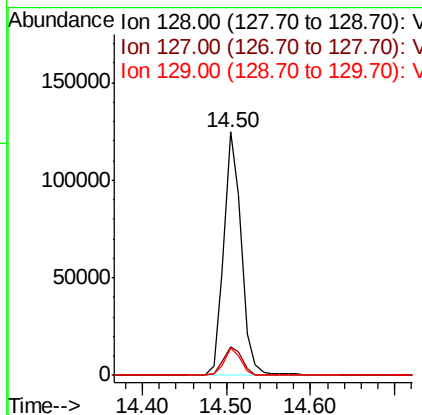
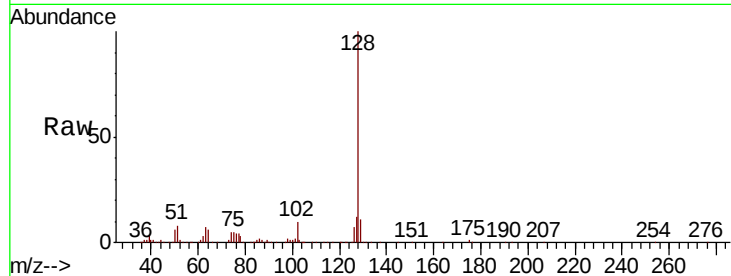
ClientSampleId :

VF1009SBSD01

Tot Ion:	128	Resp:	180757
Ion Ratio	Lower	Upper	
128	100		
127	11.5	10.2	15.2
129	11.3	9.2	13.8

Manual Integrations
APPROVED

apatel
10/10/2018 12:34:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.461 ug/l

RT: 14.65 min Scan# 1422

Delta R.T. -0.00 min

Lab File: VF060500.D

Acq: 9 Oct 2018 20:31

Tgt Ion:	180	Resp:	94662
Ion Ratio	Lower	Upper	
180	100		
182	89.4	51.3	153.9
145	30.9	16.4	49.2

