

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060510.D
 Acq On : 25 Oct 2018 16:31
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:27:55 AM

Quant Time: Oct 26 00:52:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 00:30:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	179200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	270052	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	250888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	167412	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	335958	123.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	247.24%	
35) Dibromofluoromethane	4.30	113	285315	114.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.56%	
50) Toluene-d8	7.71	98	613387	102.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.32%	
62) 4-Bromofluorobenzene	11.51	95	314969	120.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	240.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	396242	112.529	ug/l	89
3) Chloromethane	1.15	50	210195	96.486	ug/l	95
4) Vinyl Chloride	1.19	62	239223	101.237	ug/l	98
5) Bromomethane	1.37	94	216483	116.494	ug/l	97
6) Chloroethane	1.43	64	147488	118.074	ug/l	99
7) Trichlorofluoromethane	1.55	101	712937	134.606	ug/l	97
8) Diethyl Ether	1.70	74	79708	105.176	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.90	101	319893	120.739	ug/l	90
10) Methyl Iodide	1.97	142	467520m	111.297	ug/l	
11) Tert butyl alcohol	2.69	59	81715	573.839	ug/l #	86
12) 1,1-Dichloroethene	1.86	96	241877	109.292	ug/l	77
13) Acrolein	2.09	56	81575	924.499	ug/l	92
14) Allyl chloride	2.19	41	380256	116.563	ug/l	98
15) Acrylonitrile	3.07	53	141044	470.475	ug/l	86
16) Acetone	2.33	43	333117	559.385	ug/l	96
17) Carbon Disulfide	1.88	76	621040m	100.908	ug/l	
18) Methyl Acetate	2.45	43	112703	99.855	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	594182	119.270	ug/l	99
20) Methylene Chloride	2.28	84	211064m	102.099	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	231660	112.150	ug/l	90
22) Diisopropyl ether	2.93	45	686036	102.305	ug/l	96
23) Vinyl Acetate	3.33	43	1089270	464.023	ug/l	98
24) 1,1-Dichloroethane	3.01	63	498603	110.796	ug/l	99
25) 2-Butanone	4.50	43	271067	418.159	ug/l	99
26) 2,2-Dichloropropane	3.76	77	309741	132.007	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	220893	91.611	ug/l	91
28) Bromochloromethane	3.88	49	140961	90.182	ug/l	96
29) Tetrahydrofuran	4.25	42	112269	410.847	ug/l	100
30) Chloroform	4.04	83	578190	111.026	ug/l	92
31) Cyclohexane	3.85	56	251607	87.397	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	509560	124.204	ug/l	96
36) 1,1-Dichloropropene	4.45	75	358979	114.282	ug/l	95
37) Ethyl Acetate	4.29	43	102895	92.736	ug/l #	89
38) Carbon Tetrachloride	4.17	117	491449m	155.752	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	292334	98.842	ug/l	87
40) Benzene	4.81	78	607038	94.122	ug/l	100
41) Methacrylonitrile	4.92	41	61098	96.916	ug/l #	89
42) 1,2-Dichloroethane	5.11	62	395555	135.192	ug/l	100
43) Isopropyl Acetate	7.11	43	123416	89.246	ug/l #	96
44) Trichloroethene	5.68	130	207956	103.505	ug/l	94
45) 1,2-Dichloropropane	6.41	63	152413	96.538	ug/l	98
46) Dibromomethane	6.25	93	144821	114.355	ug/l	93
47) Bromodichloromethane	6.54	83	410107	128.222	ug/l	98
48) Methyl methacrylate	6.87	41	100022	106.775	ug/l	99
49) 1,4-Dioxane	6.86	88	18425	2287.886	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	488866	506.771	ug/l	95
52) Toluene	7.78	92	382866	94.260	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	280622	112.968	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	309631	107.022	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	129038	103.368	ug/l	92
56) Ethyl methacrylate	8.76	69	143197	99.143	ug/l	89
57) 1,3-Dichloropropane	9.00	76	217085	100.993	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	87121	593.579	ug/l	100
59) 2-Hexanone	9.63	43	326771	468.300	ug/l	98
60) Dibromochloromethane	8.86	129	249624	127.390	ug/l	98
61) 1,2-Dibromoethane	9.14	107	151998	107.763	ug/l	97
64) Tetrachloroethene	8.31	164	185994	93.534	ug/l	95
65) Chlorobenzene	9.94	112	481870	98.898	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	257570	117.358	ug/l	96
67) Ethyl Benzene	10.03	91	947765	103.101	ug/l	98
68) m/p-Xylenes	10.27	106	615415	196.114	ug/l	94
69) o-Xylene	10.83	106	356708	104.526	ug/l	87
70) Styrene	10.90	104	479818	97.678	ug/l	99
71) Bromoform	10.89	173	134351	120.743	ug/l	99
73) Isopropylbenzene	11.23	105	1155695	92.870	ug/l	97
74) N-amyl acetate	11.46	43	218778	80.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	197893	94.612	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	159271	98.501	ug/l	98
77) Bromobenzene	11.59	156	264826	95.762	ug/l	95
78) n-propylbenzene	11.69	91	1390213	93.800	ug/l	97
79) 2-Chlorotoluene	11.82	91	868510	100.098	ug/l	93
80) 1,3,5-Trimethylbenzene	11.92	105	1053110	100.876	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.96	75	72928m	103.446	ug/l	
82) 4-Chlorotoluene	11.98	91	888244	99.225	ug/l	99
83) tert-Butylbenzene	12.21	119	1065666	101.542	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	1037341	97.870	ug/l	91
85) sec-Butylbenzene	12.39	105	1435009	100.818	ug/l	96
86) p-Isopropyltoluene	12.54	119	1177600	100.781	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	489459	92.920	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	505911	99.034	ug/l	99
89) n-Butylbenzene	12.92	91	1214709	99.346	ug/l	93
90) Hexachloroethane	12.99	117	329860	118.057	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	482417	95.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	49977	112.574	ug/l	98

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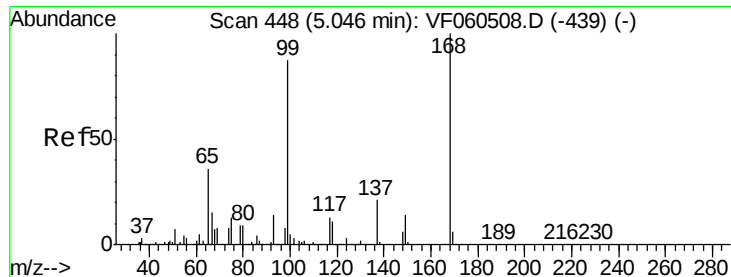
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	386522	98.705	ug/l	96
94) Hexachlorobutadiene	14.25	225	300349	112.815	ug/l	97
95) Naphthalene	14.52	128	744553	110.605	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	389056	106.640	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 448

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 179200

Ion Ratio Lower Upper

168 100

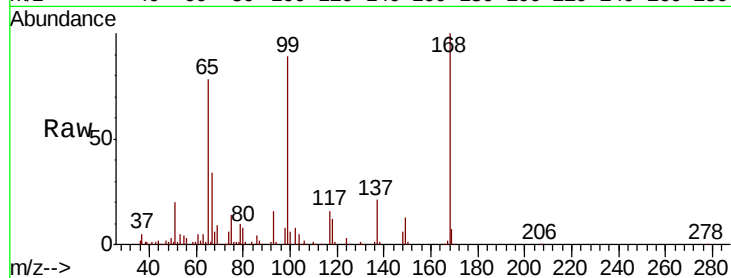
99 89.4 69.9 104.9

Manual Integrations

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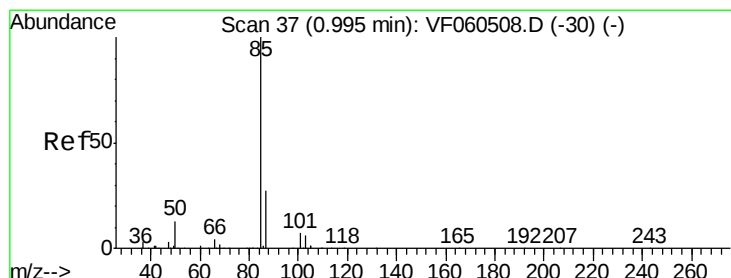
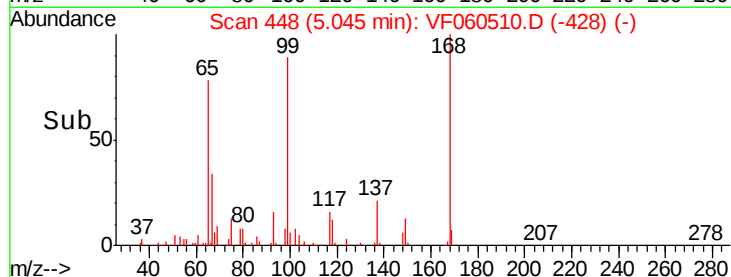
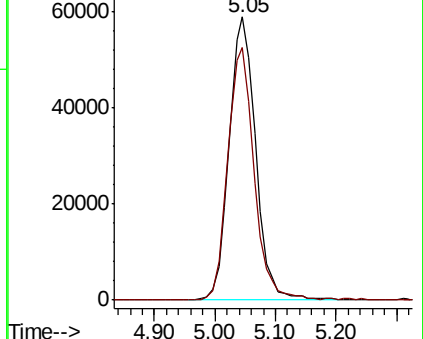
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 112.529 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060510.D

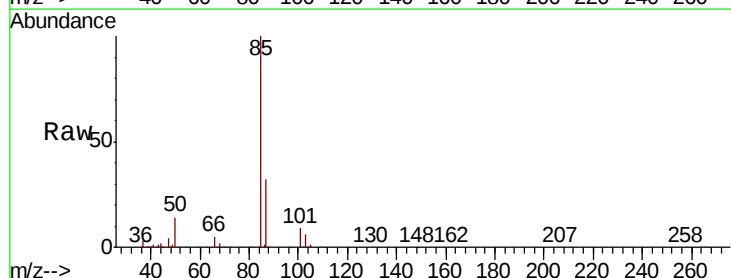
Acq: 25 Oct 2018 16:31

Tgt Ion: 85 Resp: 396242

Ion Ratio Lower Upper

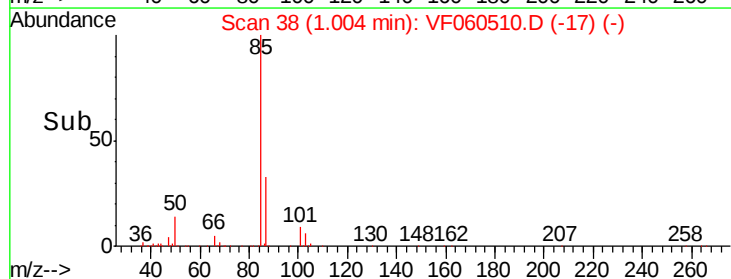
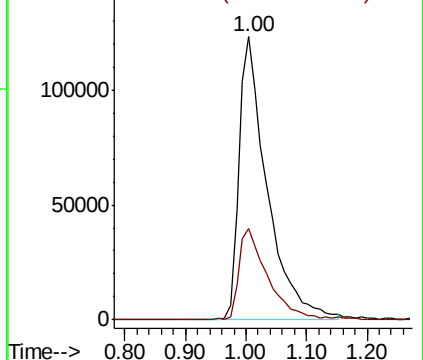
85 100

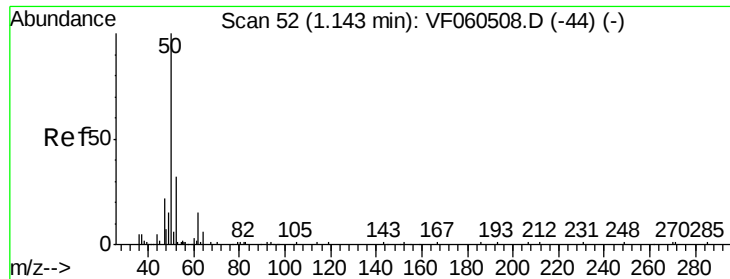
87 32.5 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 96.486 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 210195

Ion Ratio Lower Upper

50 100

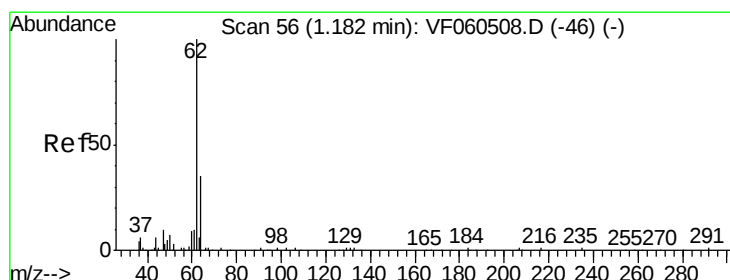
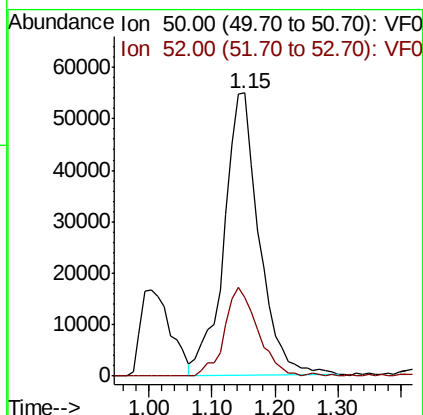
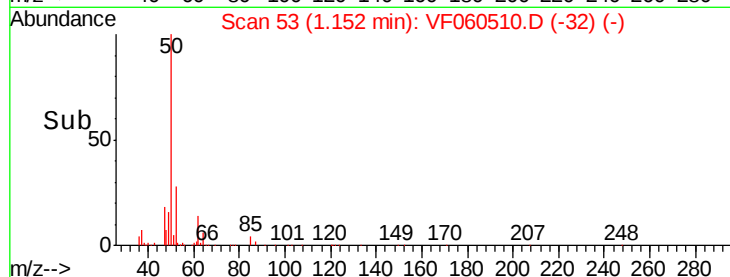
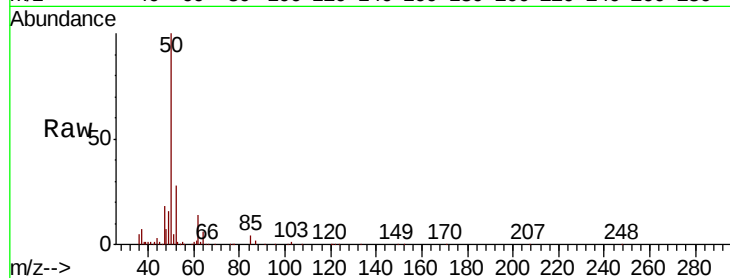
52 27.8 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 101.237 ug/l

RT: 1.19 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF060510.D

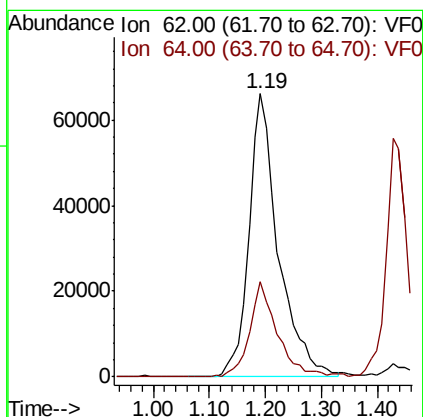
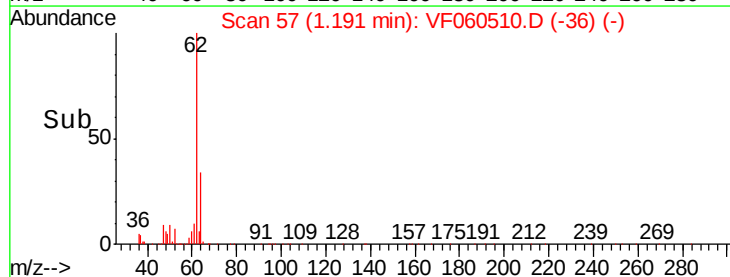
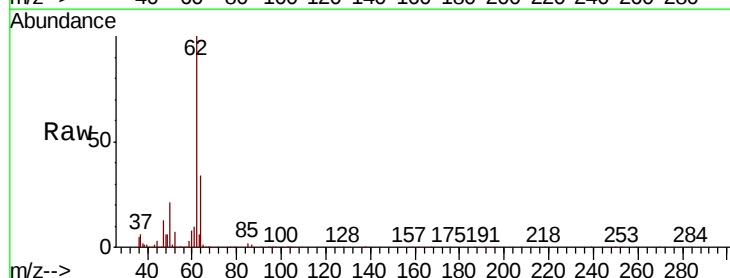
Acq: 25 Oct 2018 16:31

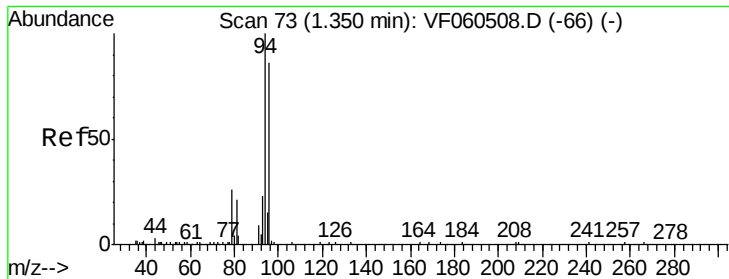
Tgt Ion: 62 Resp: 239223

Ion Ratio Lower Upper

62 100

64 33.7 27.8 41.8





#5

Bromomethane

Concen: 116.494 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.02 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tot Ion: 94 Resp: 216483

Ion Ratio Lower Upper

94 100

96 90.7 70.6 105.8

Instrument :

MSVOA_F

ClientSampleId :

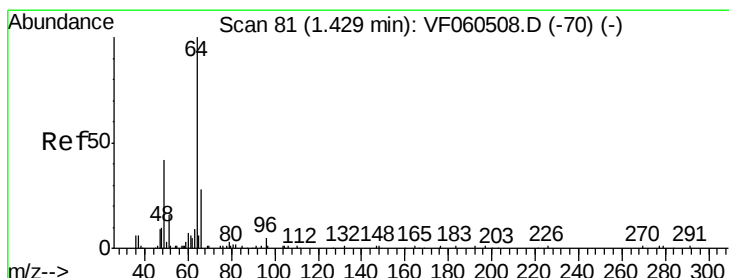
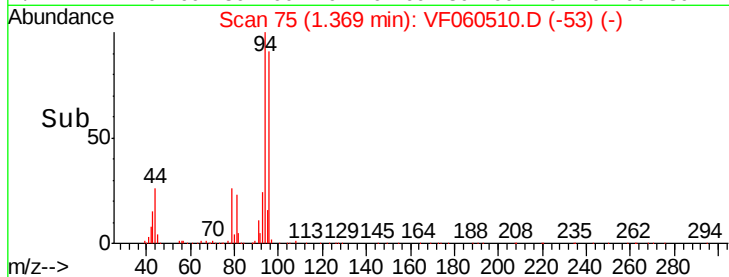
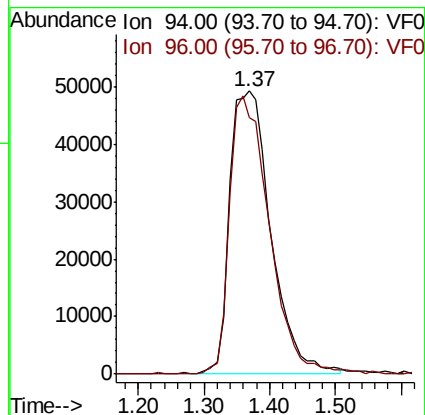
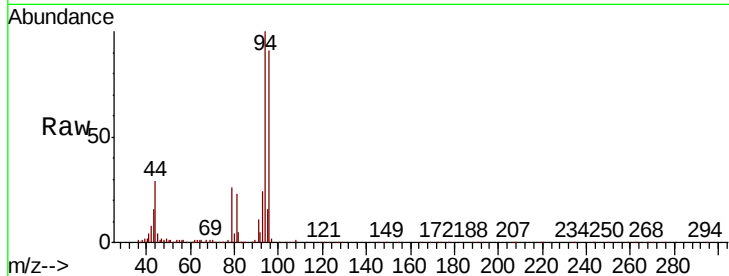
VSTDIC100

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#6

Chloroethane

Concen: 118.074 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF060510.D

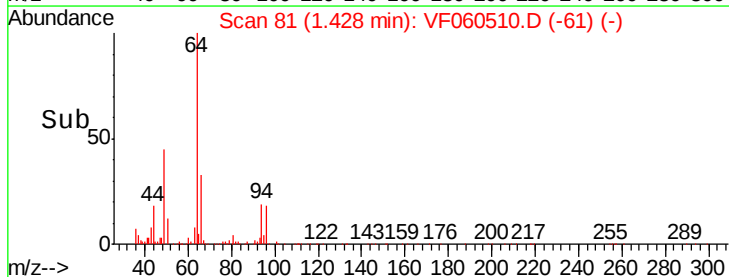
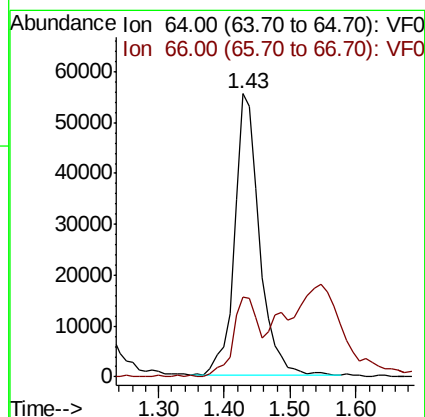
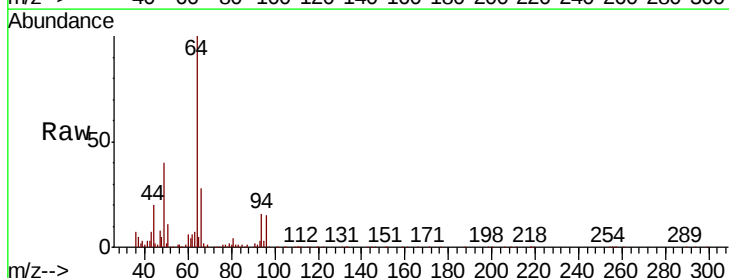
Acq: 25 Oct 2018 16:31

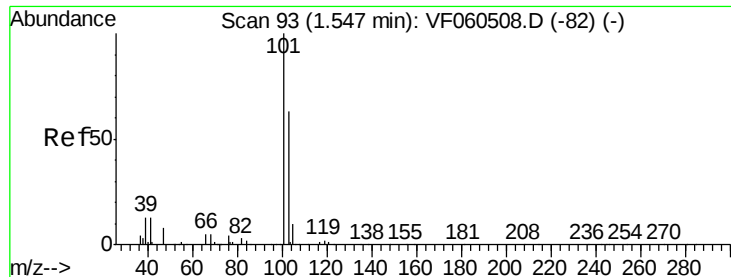
Tgt Ion: 64 Resp: 147488

Ion Ratio Lower Upper

64 100

66 28.4 22.4 33.6





#7

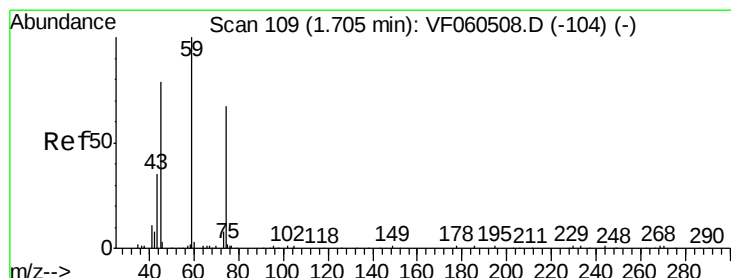
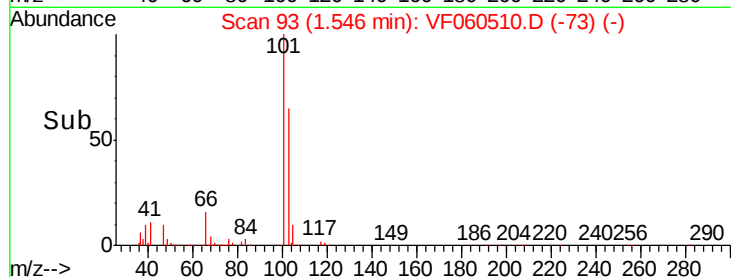
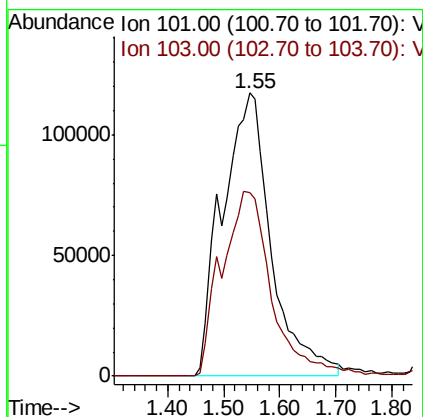
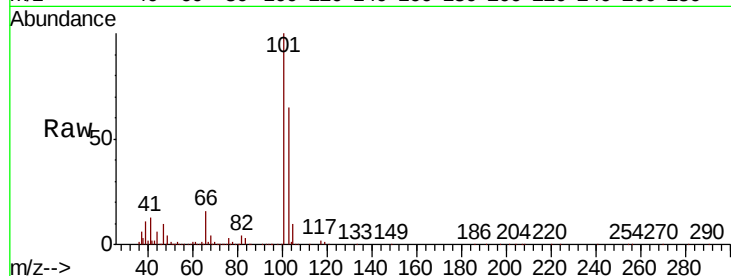
Trichlorofluoromethane
Concen: 134.606 ug/l
RT: 1.55 min Scan# 93
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.4	75.6

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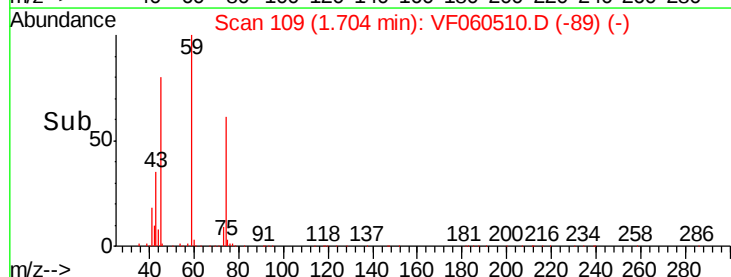
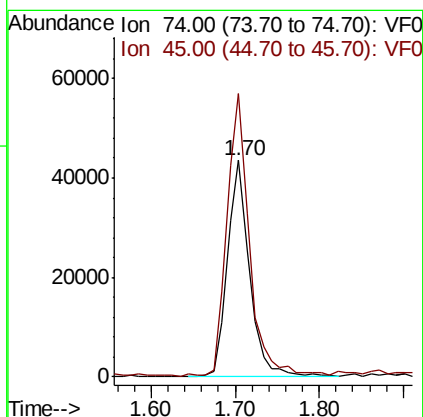
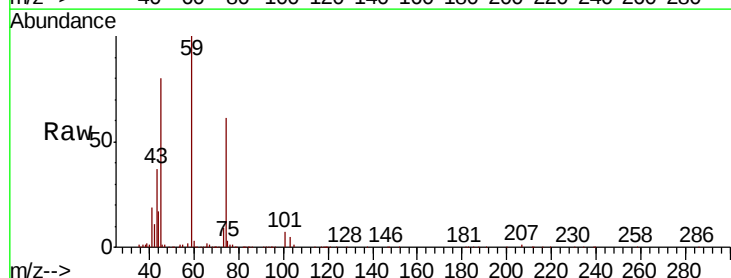
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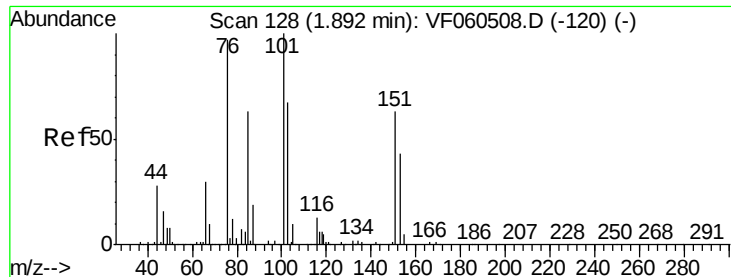


#8

Diethyl Ether
Concen: 105.176 ug/l
RT: 1.70 min Scan# 109
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.7	62.1	186.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 120.739 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

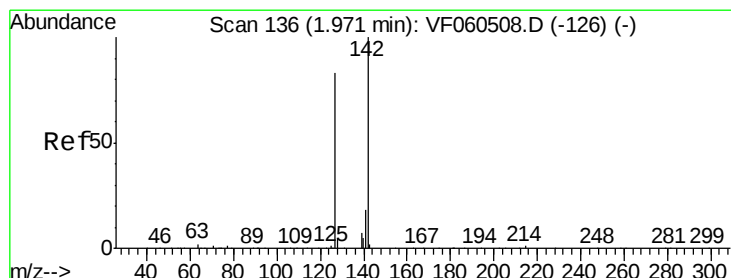
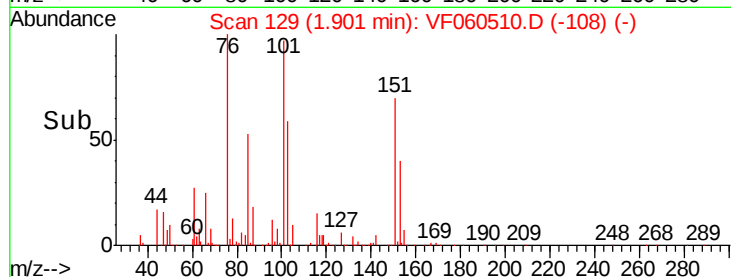
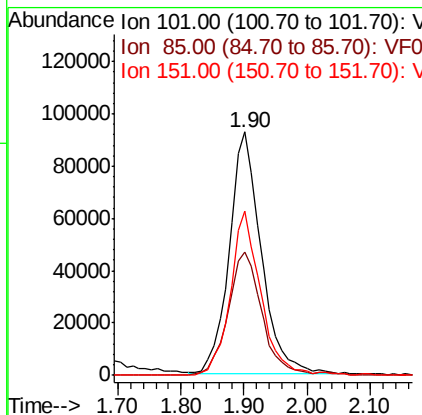
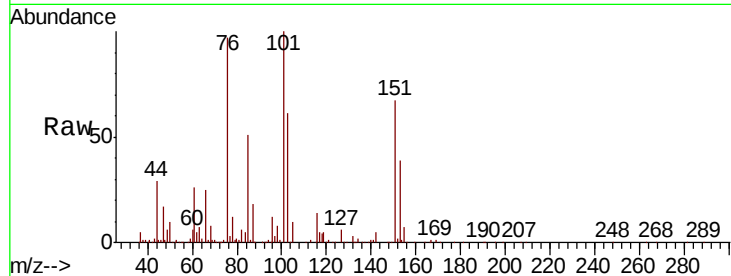
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	319893
Ion Ratio	Lower	Upper	
101	100		
85	50.9	49.9	74.9
151	67.4	50.6	76.0

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#10

Methyl Iodide

Concen: 111.297 ug/l m

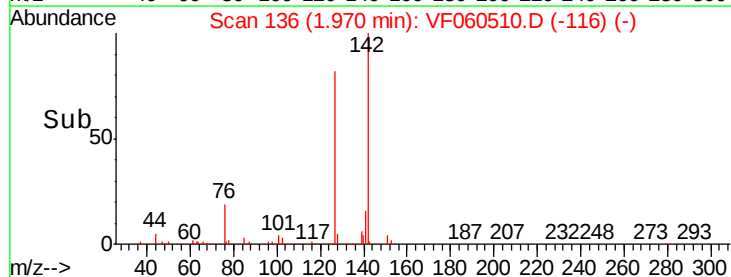
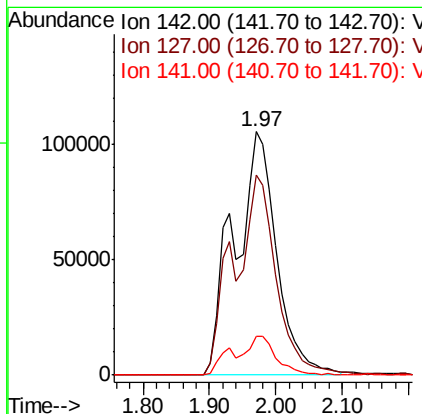
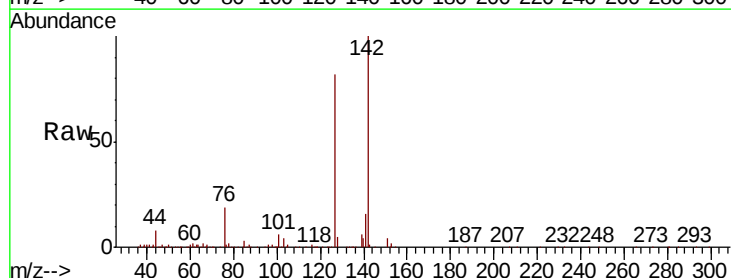
RT: 1.97 min Scan# 136

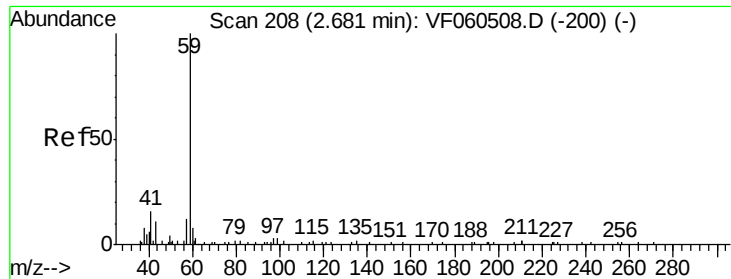
Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion:	142	Resp:	467520
Ion Ratio	Lower	Upper	
142	100		
127	82.0	66.5	99.7
141	16.1	14.2	21.4





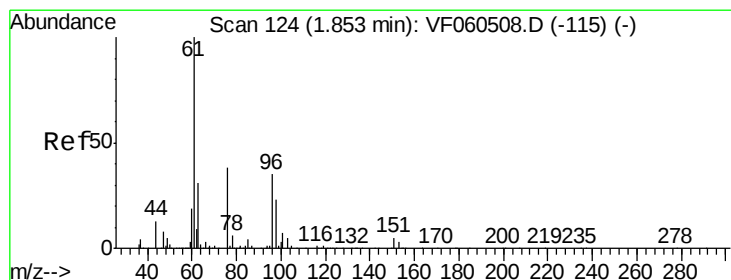
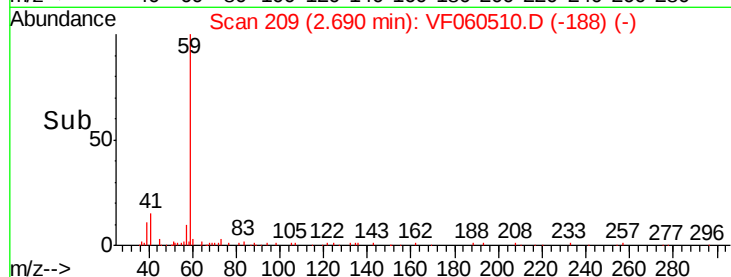
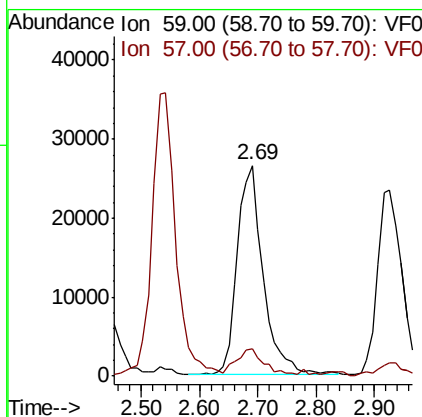
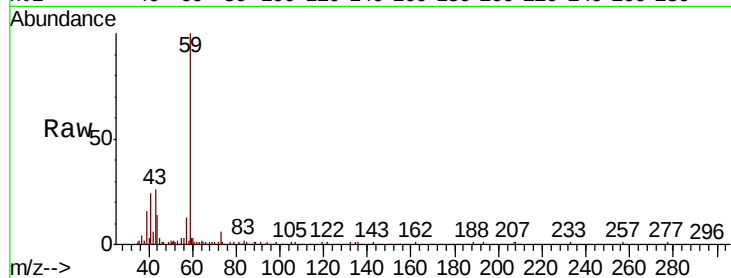
#11
Tert butyl alcohol
Concen: 573.839 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 81715
Ion Ratio Lower Upper
59 100
57 13.2 15.8 23.8#

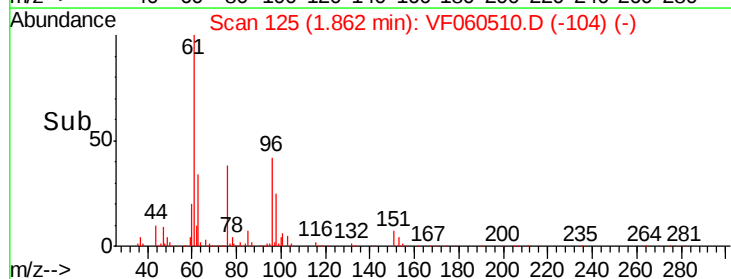
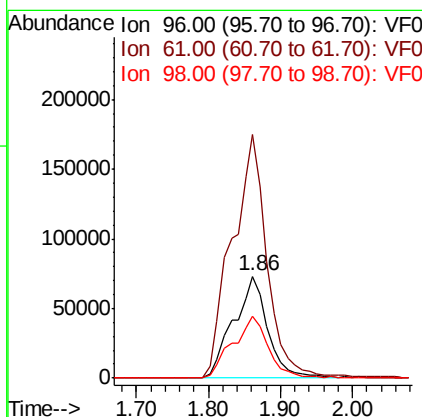
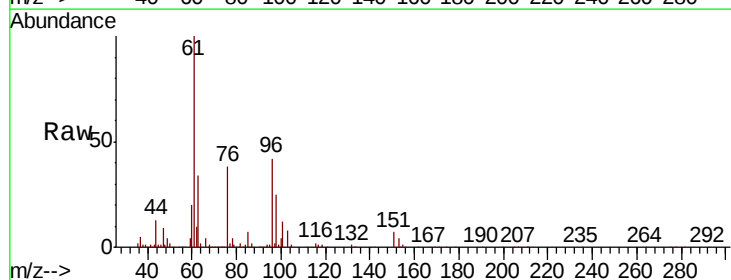
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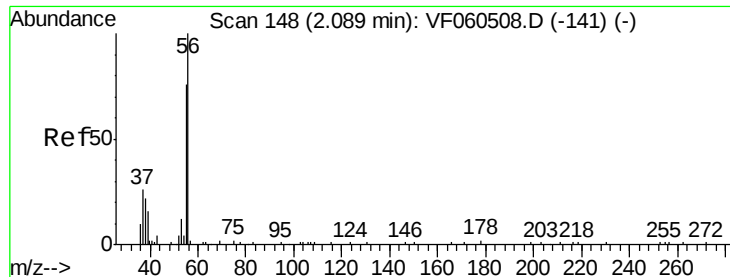
apatel
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#12
1,1-Dichloroethene
Concen: 109.292 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion: 96 Resp: 241877
Ion Ratio Lower Upper
96 100
61 238.6 231.4 347.0
98 60.6 53.3 79.9





#13

Acrolein

Concen: 924.499 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 81575

Ion Ratio Lower Upper

56 100

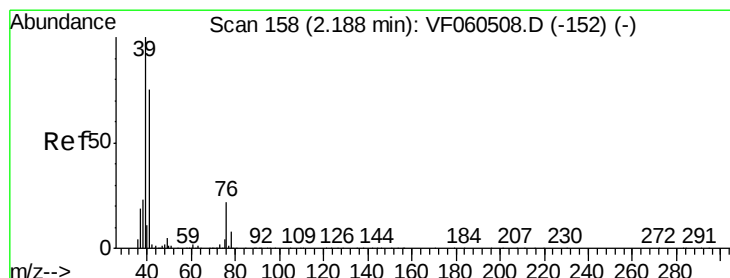
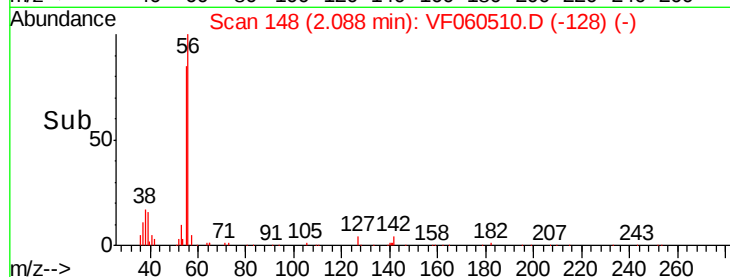
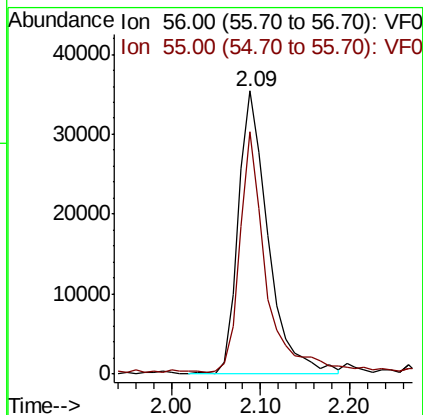
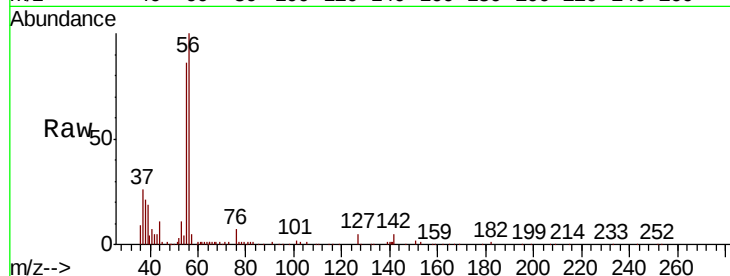
55 85.6 63.0 94.4

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#14

Allyl chloride

Concen: 116.563 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

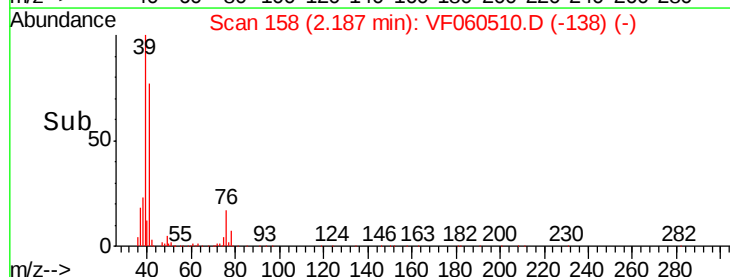
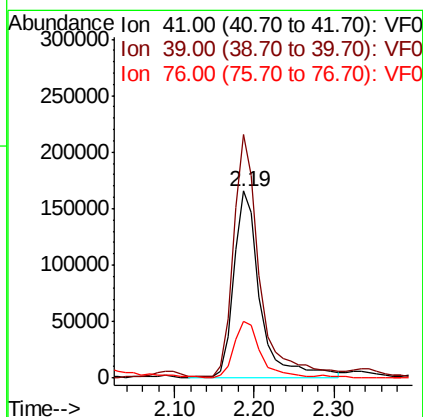
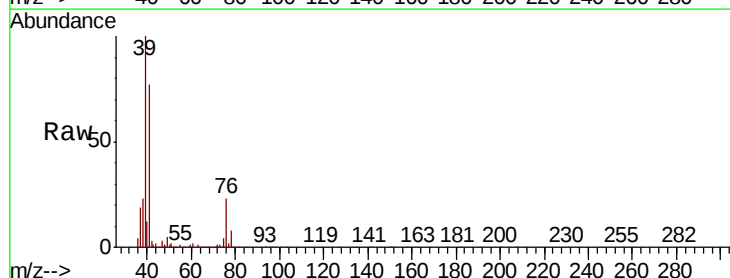
Tgt Ion: 41 Resp: 380256

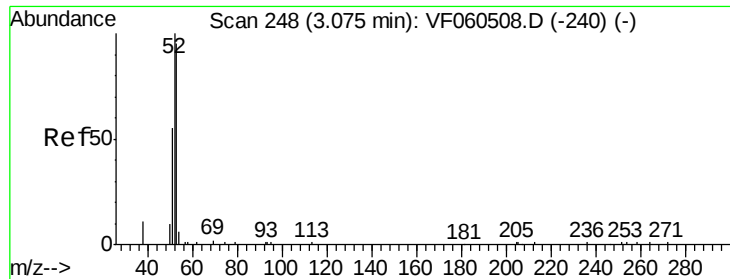
Ion Ratio Lower Upper

41 100

39 130.1 106.0 159.0

76 30.4 24.1 36.1





#15

Acrylonitrile

Concen: 470.475 ug/l

RT: 3.07 min Scan# 248

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

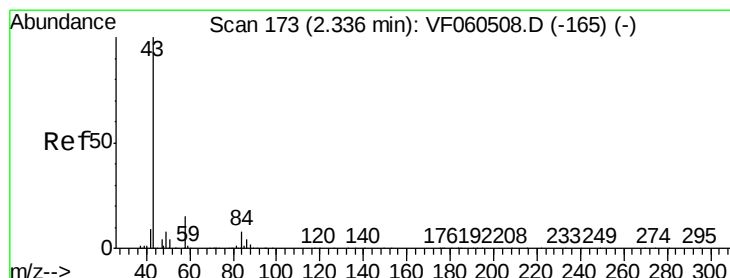
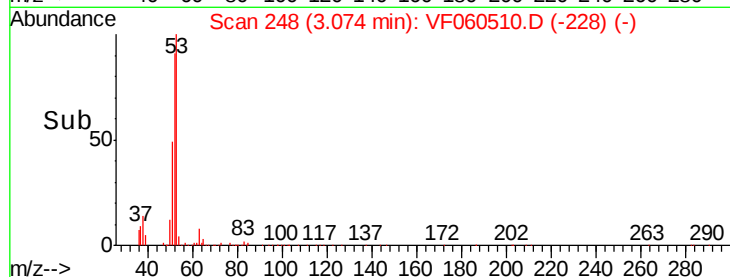
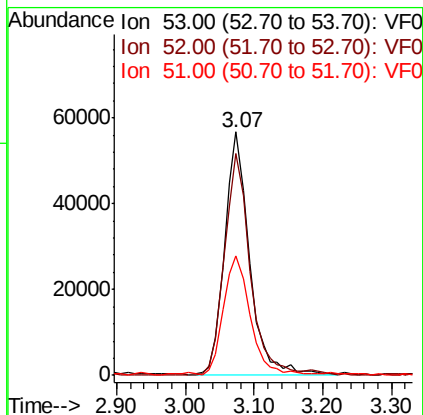
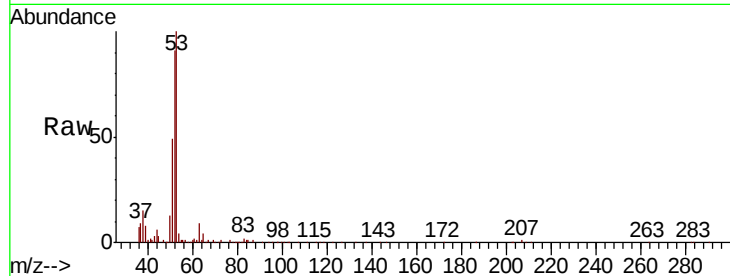
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	141044
Ion	Ratio	Lower	Upper
53	100		
52	91.4	84.0	126.0
51	49.3	48.6	73.0

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#16

Acetone

Concen: 559.385 ug/l

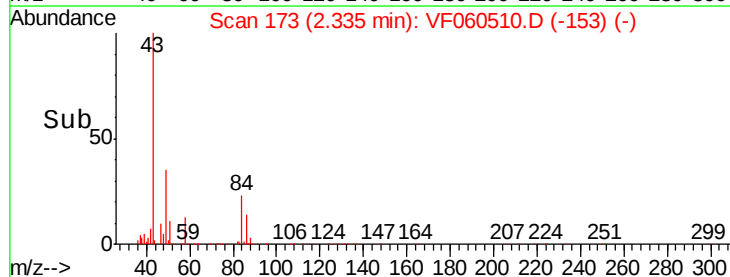
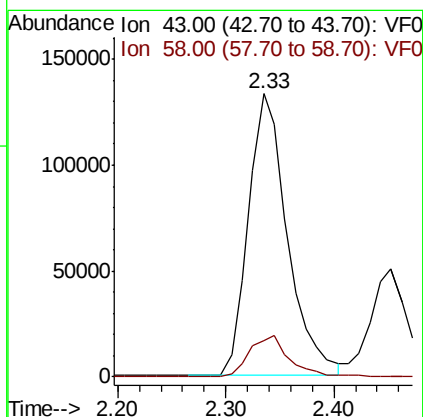
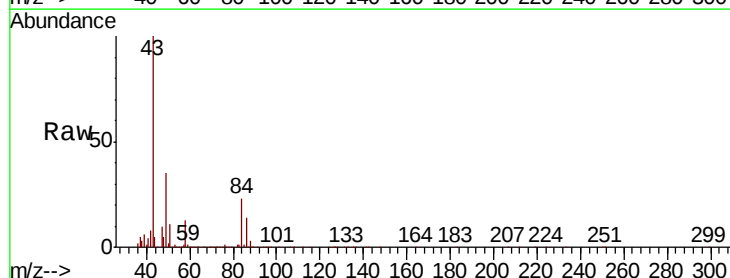
RT: 2.33 min Scan# 173

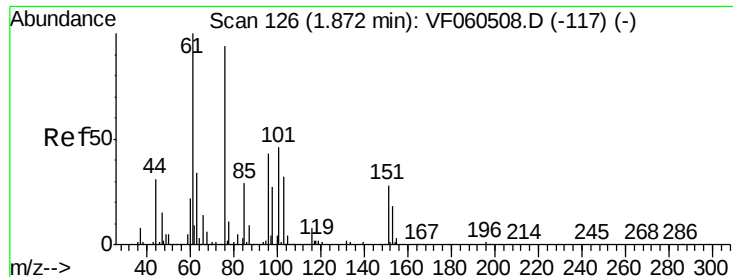
Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion:	43	Resp:	333117
Ion	Ratio	Lower	Upper
43	100		
58	12.8	11.7	17.5





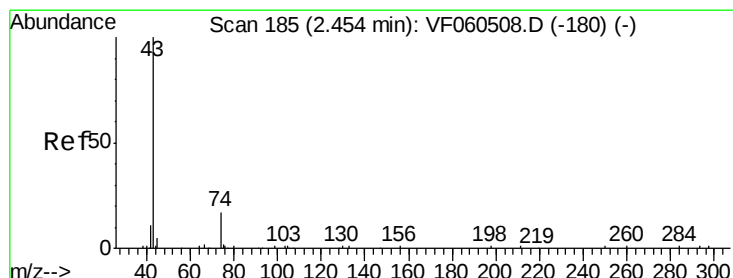
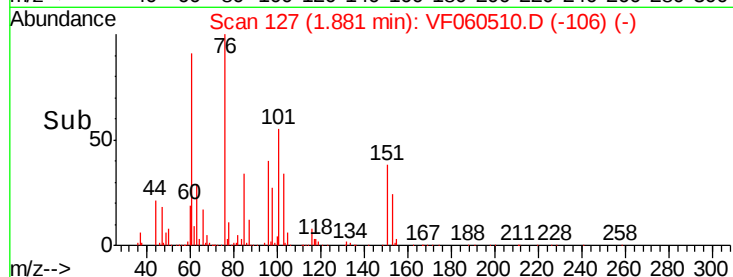
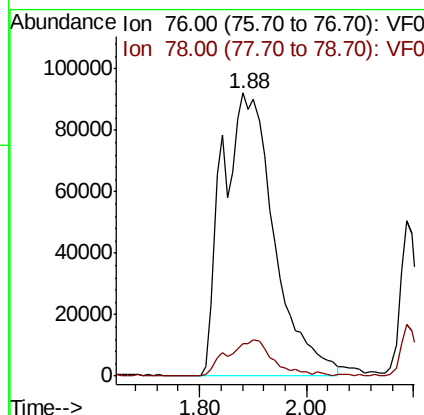
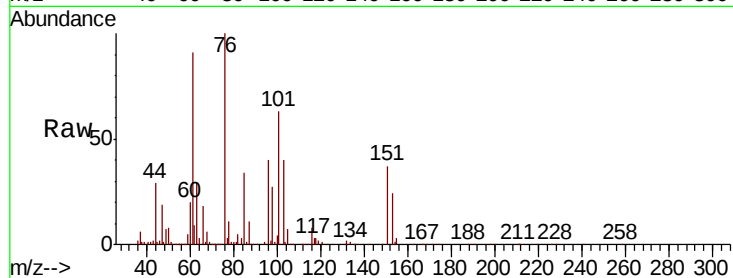
#17
Carbon Disulfide
Concen: 100.908 ug/l m
RT: 1.88 min Scan# 127
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 621040
Ion Ratio Lower Upper
76 100
78 11.4 9.2 13.8

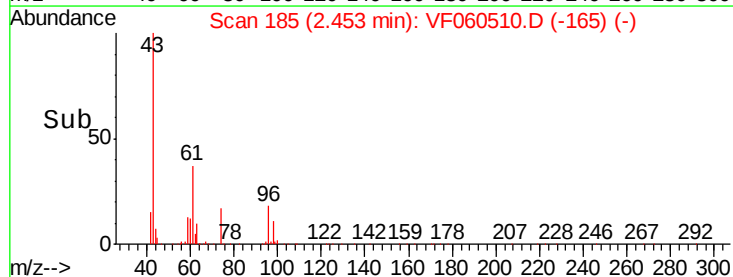
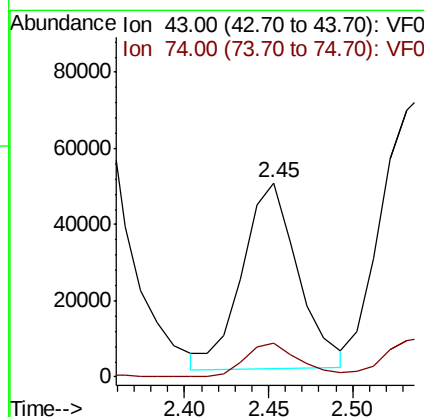
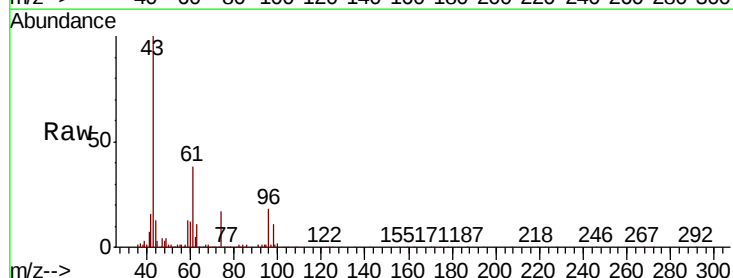
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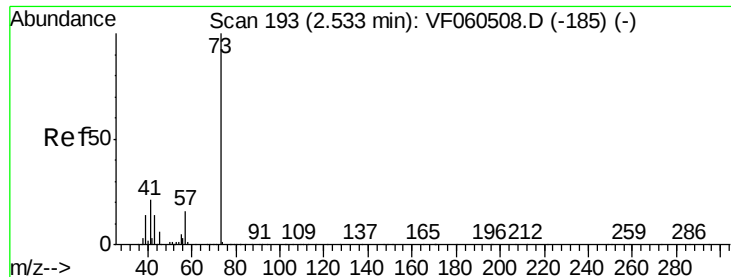
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#18
Methyl Acetate
Concen: 99.855 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion: 43 Resp: 112703
Ion Ratio Lower Upper
43 100
74 17.1 12.1 18.1





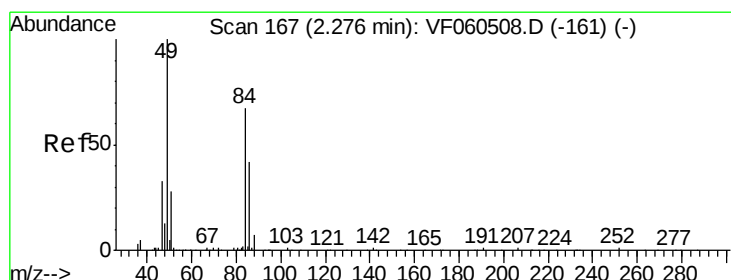
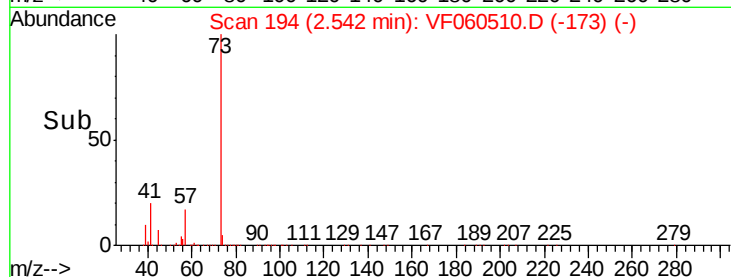
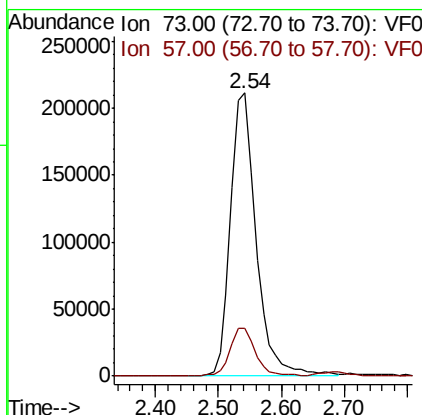
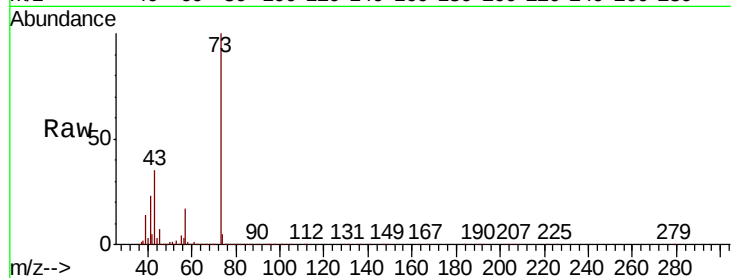
#19
Methvl tert-butvl Ether
Concen: 119.270 ug/l
RT: 2.54 min Scan# 194
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.9	13.3	19.9

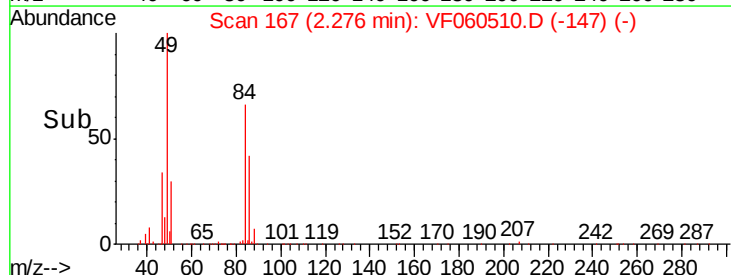
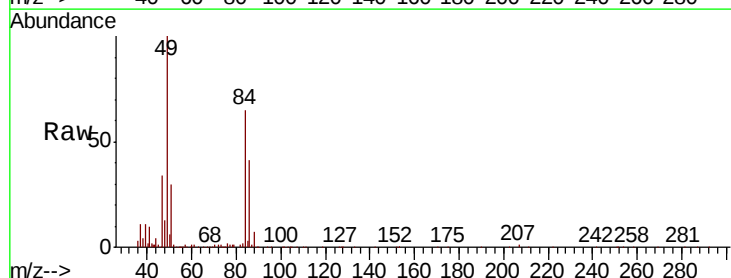
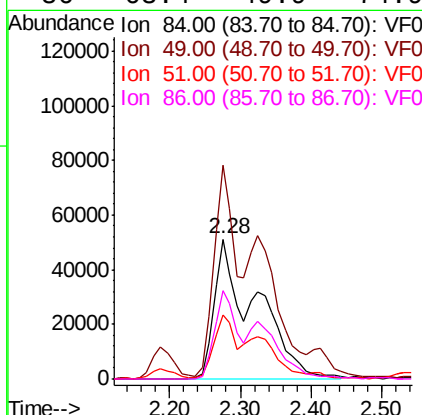
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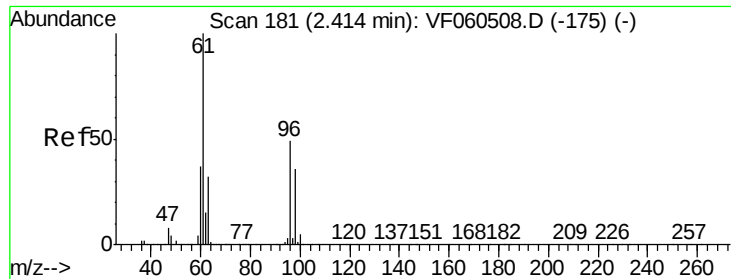
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#20
Methylene Chloride
Concen: 102.099 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.7	123.1	184.7
51	45.6	35.3	52.9
86	63.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 112.150 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

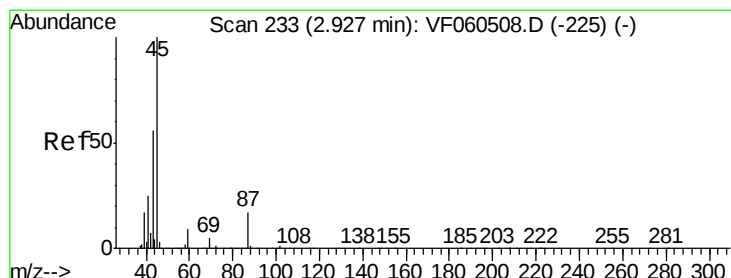
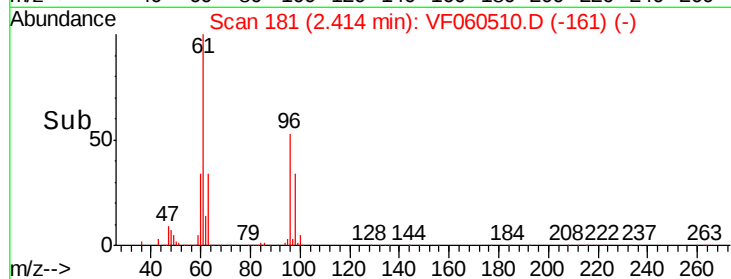
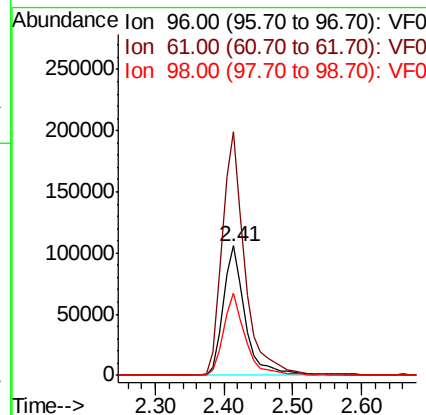
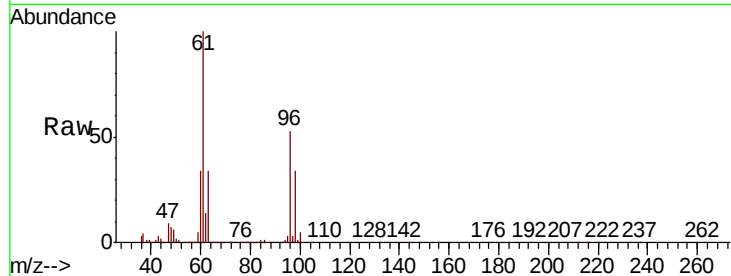
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	231660
Ion Ratio	Lower	Upper	
96	100		
61	188.6	162.5	243.7
98	63.9	58.5	87.7

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#22

Diisopropyl ether

Concen: 102.305 ug/l

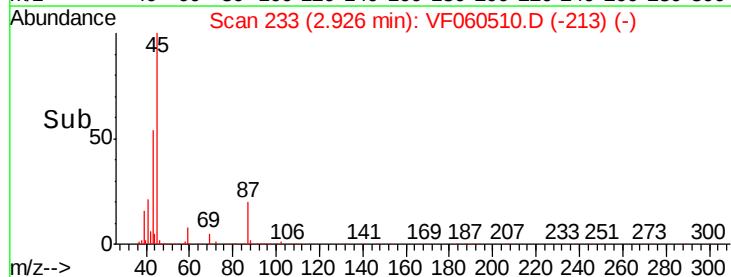
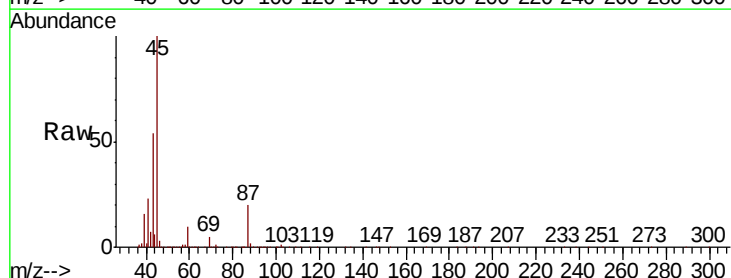
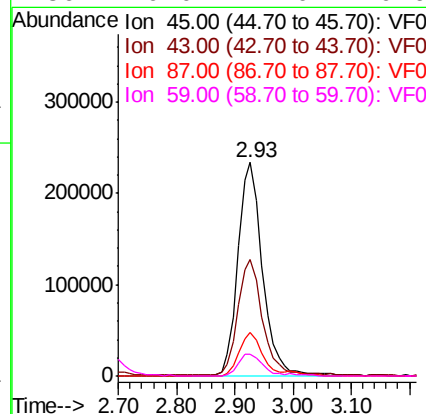
RT: 2.93 min Scan# 233

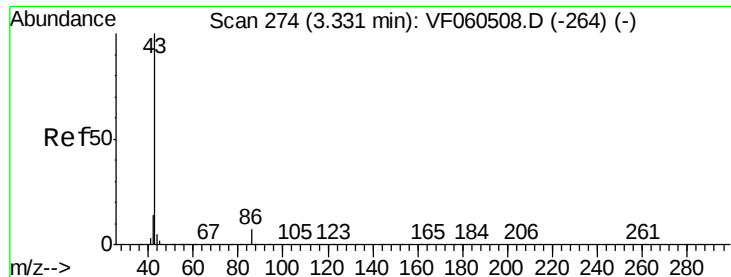
Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion:	45	Resp:	686036
Ion Ratio	Lower	Upper	
45	100		
43	54.4	45.2	67.8
87	20.1	13.4	20.2
59	10.0	7.0	10.6





#23

Vinyl Acetate

Concen: 464.023 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1089270

Ion Ratio Lower Upper

43 100

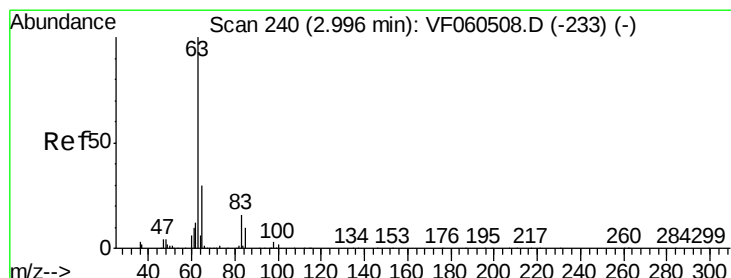
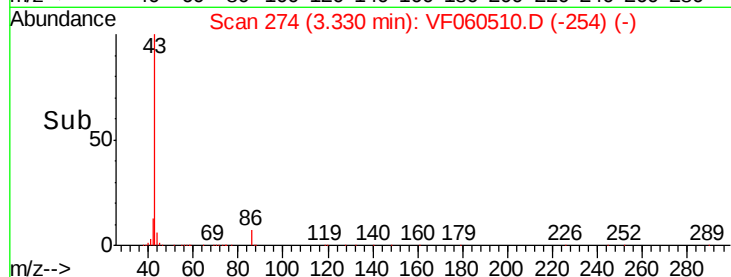
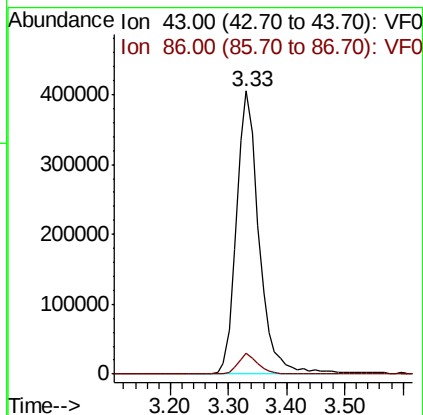
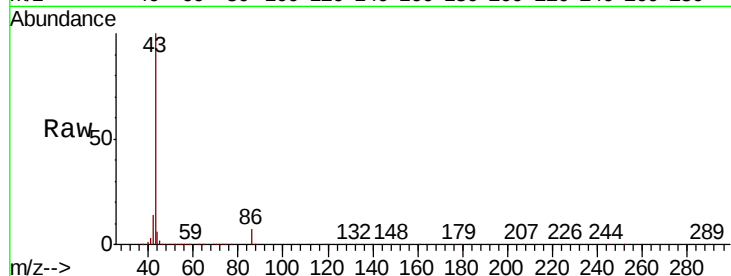
86 7.2 5.3 7.9

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#24

1,1-Dichloroethane

Concen: 110.796 ug/l

RT: 3.01 min Scan# 241

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

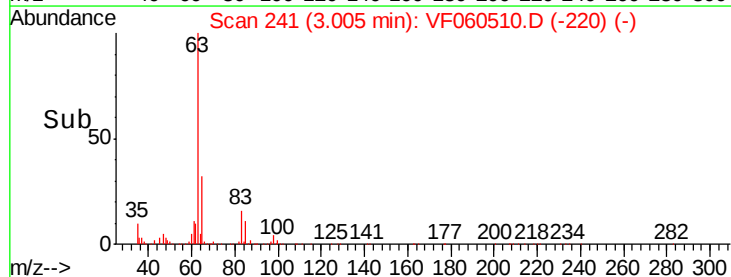
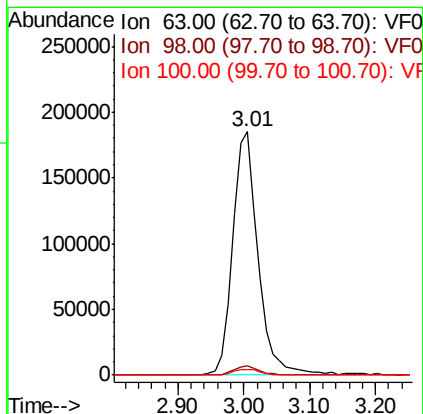
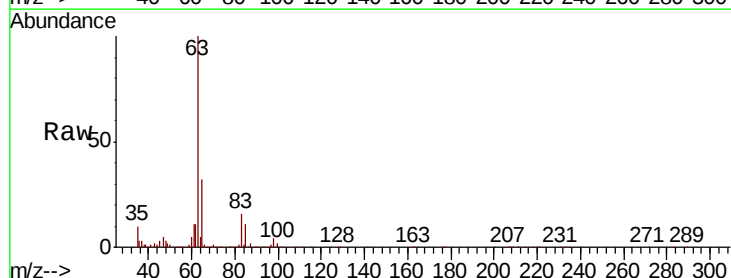
Tgt Ion: 63 Resp: 498603

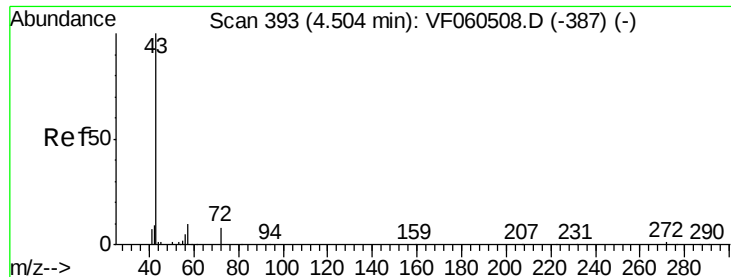
Ion Ratio Lower Upper

63 100

98 3.9 1.7 5.0

100 2.5 1.1 3.3





#25

2-Butanone

Concen: 418.159 ug/l

RT: 4.50 min Scan# 393

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 271067

Ion Ratio Lower Upper

43 100

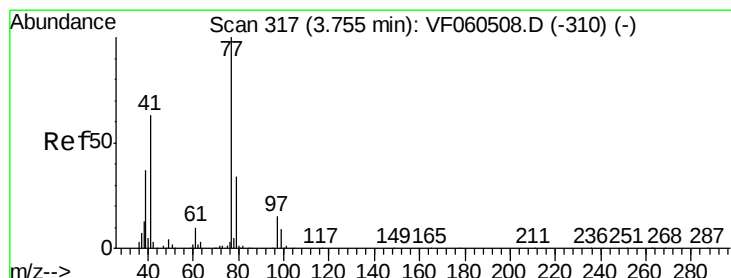
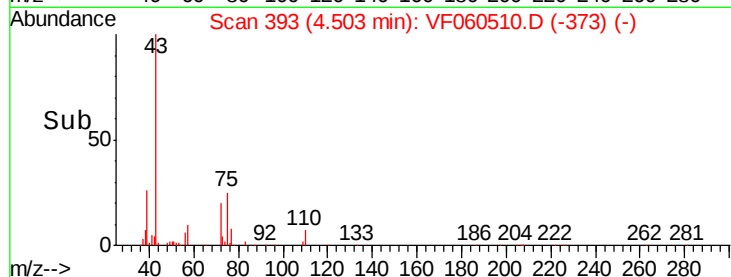
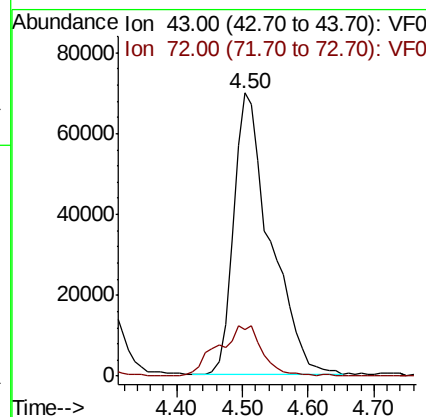
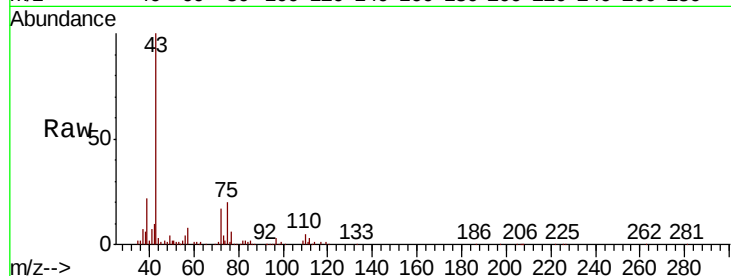
72 16.6 13.0 19.6

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#26

2,2-Dichloropropane

Concen: 132.007 ug/l

RT: 3.76 min Scan# 318

Delta R.T. 0.01 min

Lab File: VF060510.D

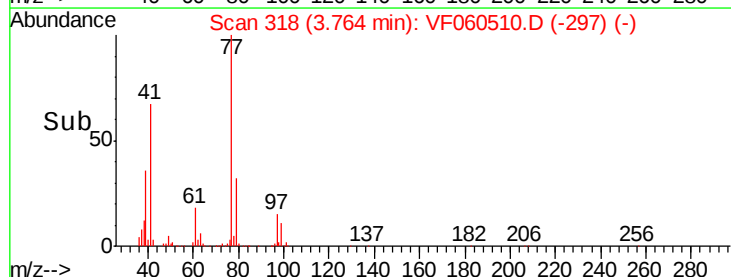
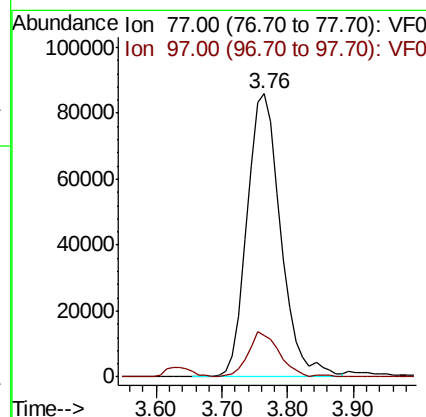
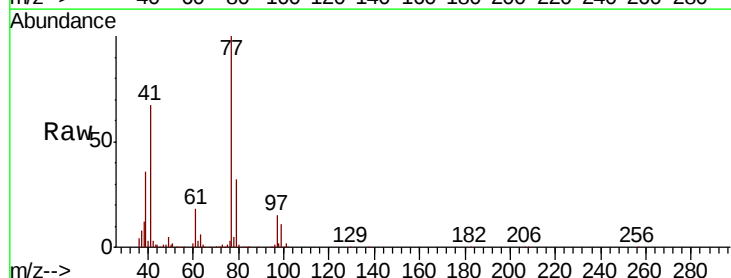
Acq: 25 Oct 2018 16:31

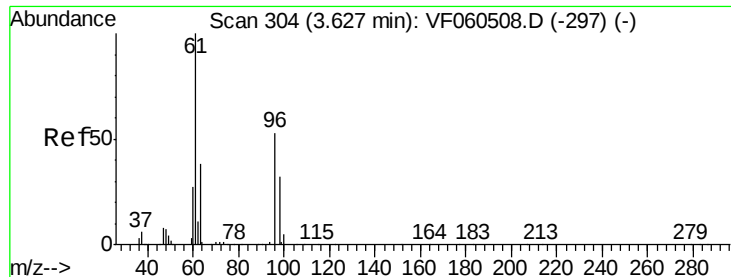
Tgt Ion: 77 Resp: 309741

Ion Ratio Lower Upper

77 100

97 14.8 7.9 23.7





#27

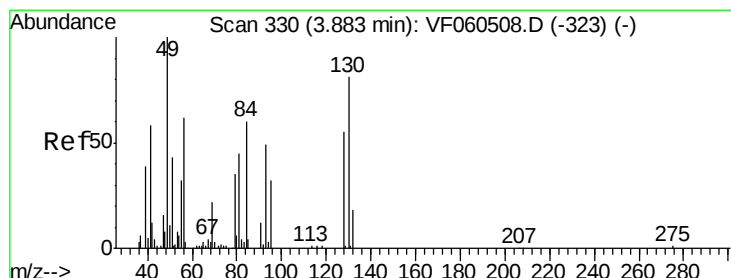
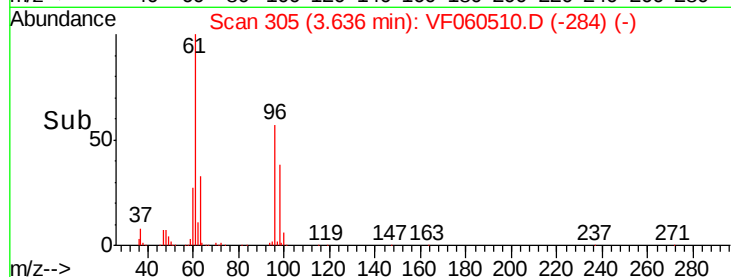
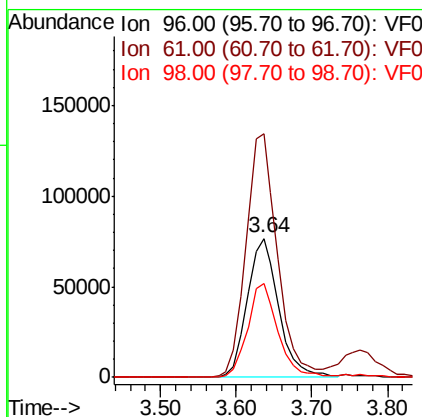
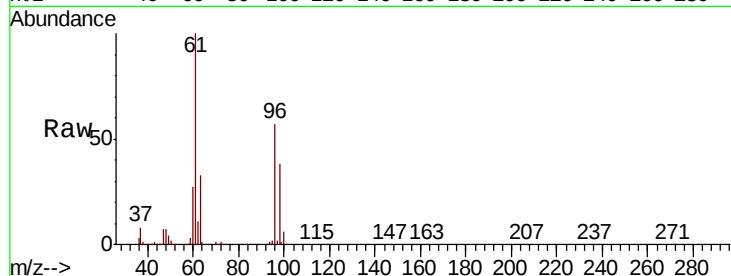
cis-1,2-Dichloroethene
 Concen: 91.611 ug/l
 RT: 3.64 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	220893		
61	175.3	0.0	377.0	
98	67.2	0.0	122.4	

Manual Integrations
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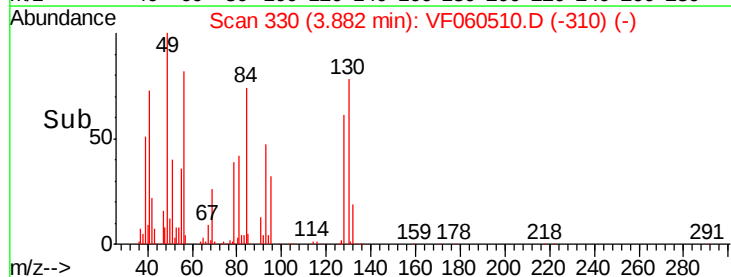
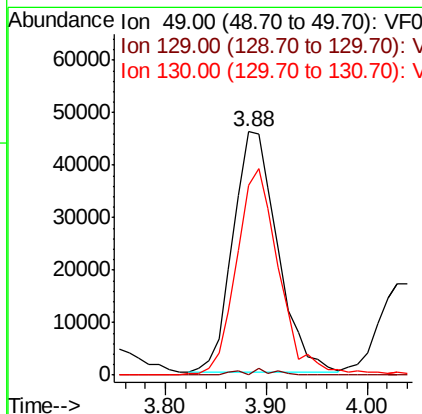
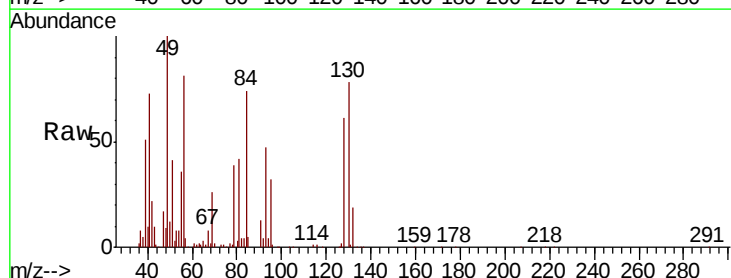
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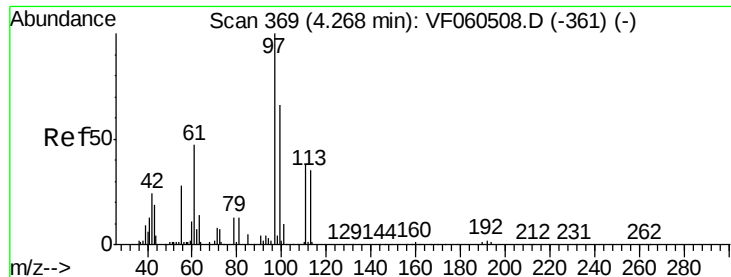


#28

Bromochloromethane
 Concen: 90.182 ug/l
 RT: 3.88 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	140961		
129	0.0	0.0	2.0	
130	77.8	65.0	97.4	





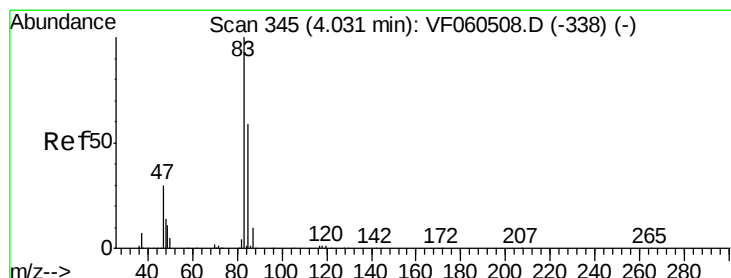
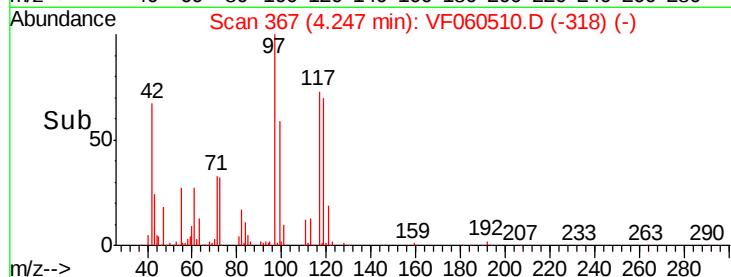
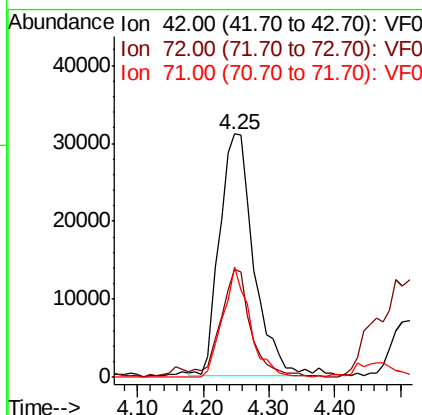
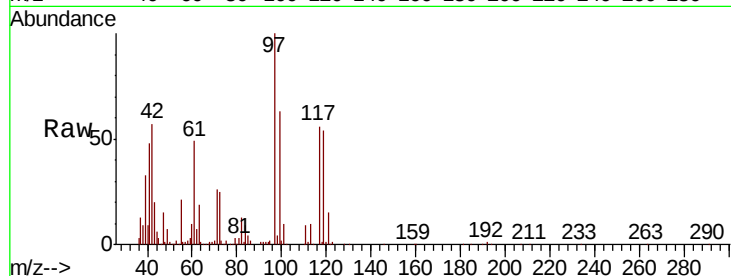
#29
Tetrahydrofuran
Concen: 410.847 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.1	48.1
71	36.8	29.7	44.5

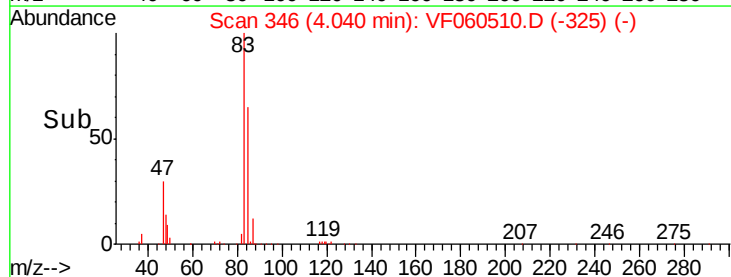
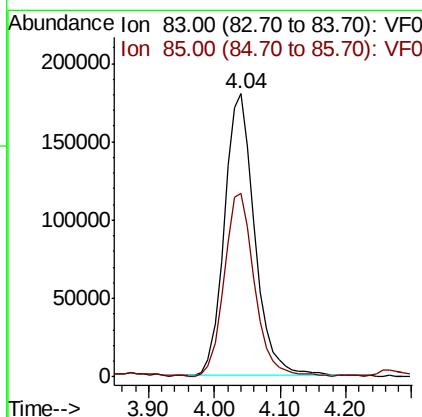
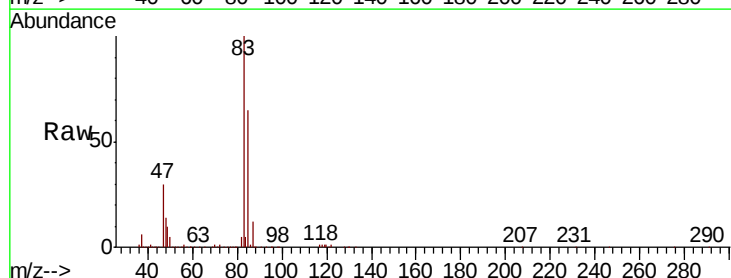
Manual Integrations
APPROVED

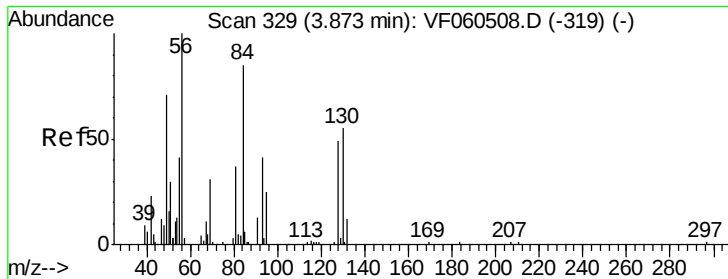
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#30
Chloroform
Concen: 111.026 ug/l
RT: 4.04 min Scan# 346
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	47.4	71.2





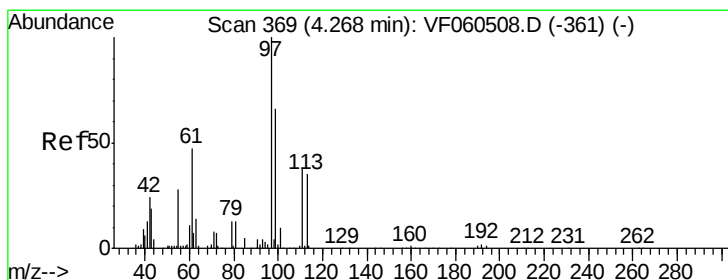
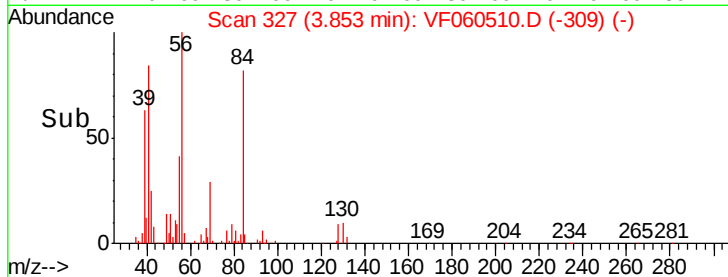
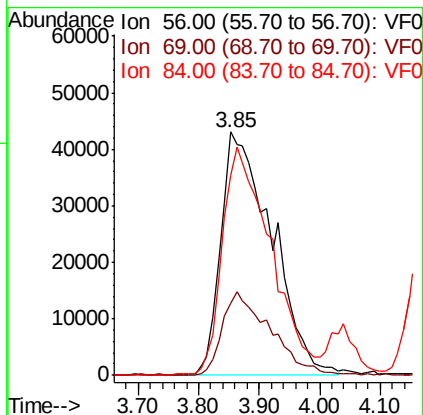
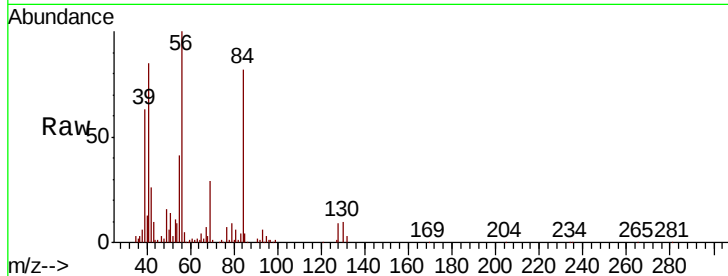
#31
Cyclohexane
Concen: 87.397 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.6	37.0
84	82.0	68.2	102.2

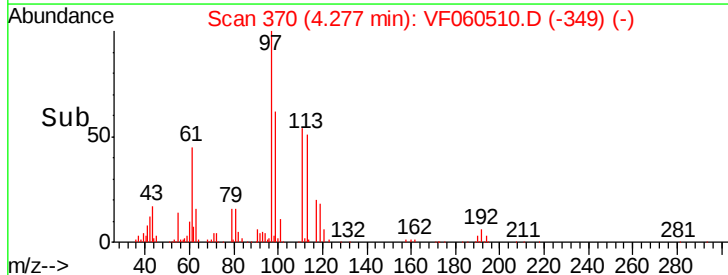
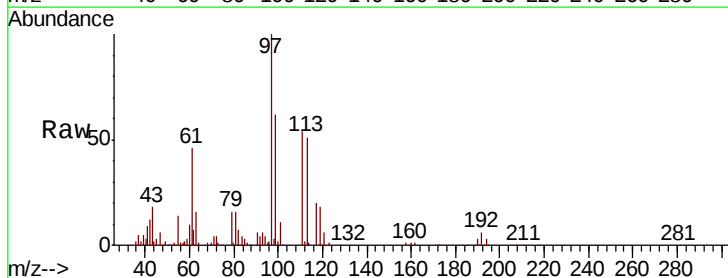
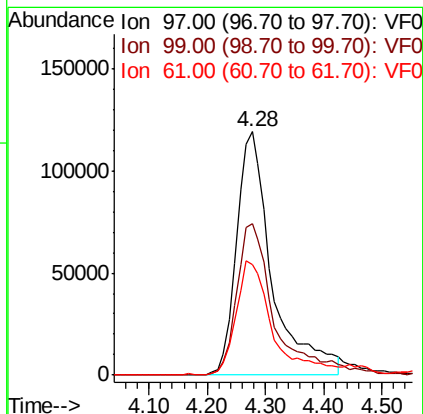
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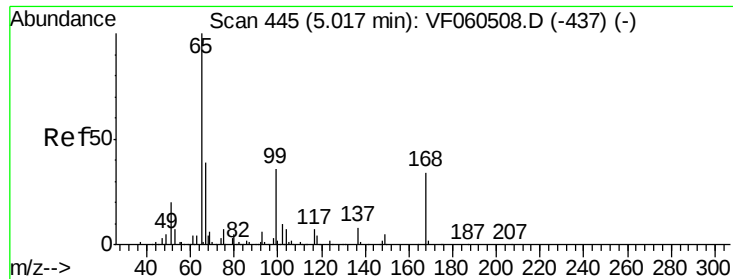
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#32
1,1,1-Trichloroethane
Concen: 124.204 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	53.0	79.6
61	45.6	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 123.620 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 335958

Ion Ratio Lower Upper

65 100

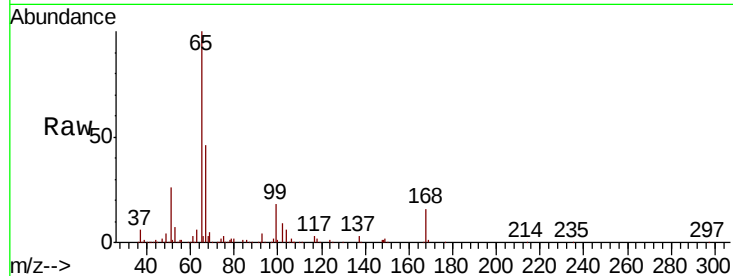
67 45.8 0.0 85.8

Manual Integrations

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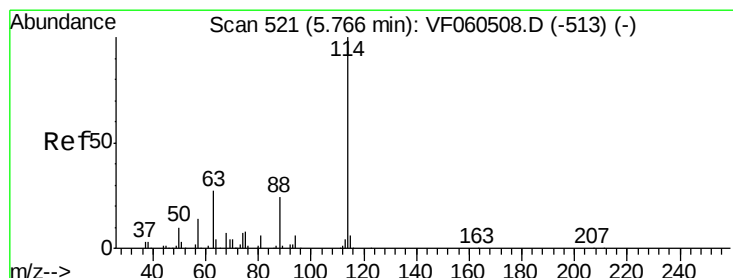
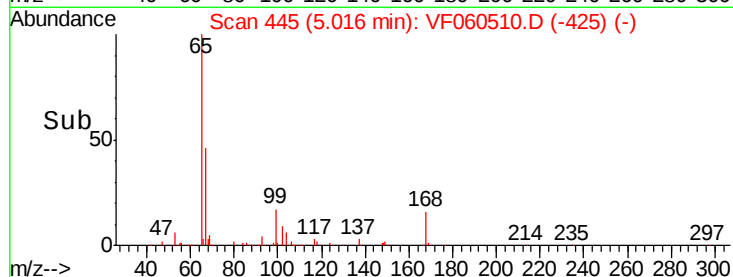
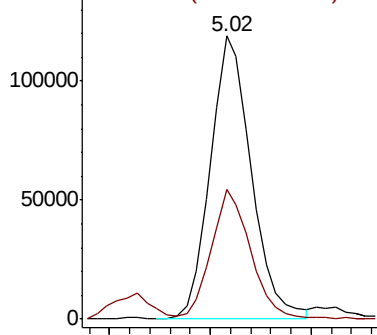
apatel

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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: 5.77 min Scan# 521

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

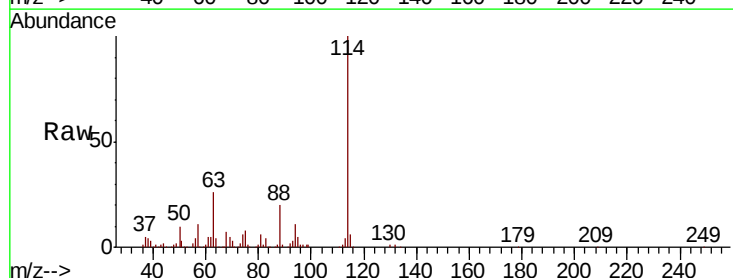
Tgt Ion: 114 Resp: 270052

Ion Ratio Lower Upper

114 100

63 26.3 0.0 54.4

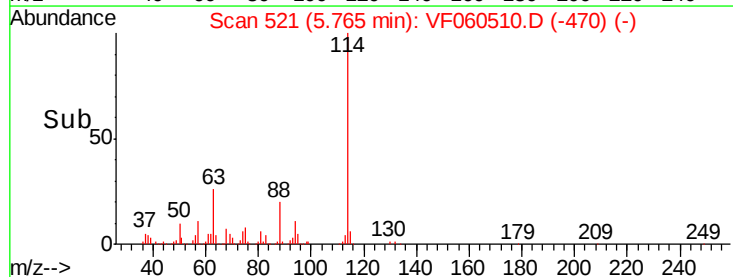
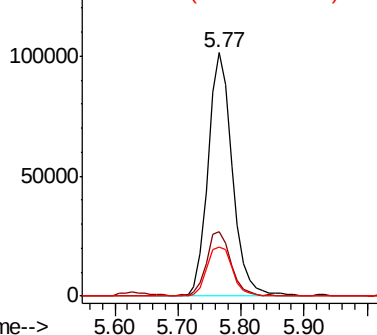
88 20.1 0.0 47.2

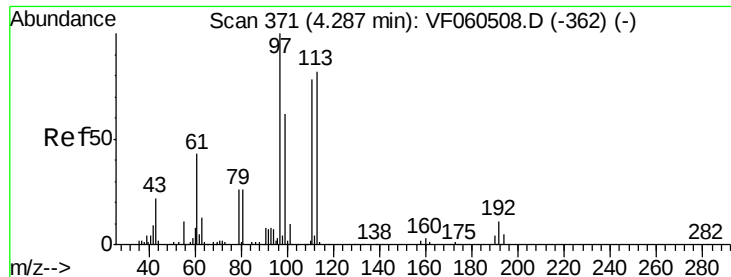


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 114.778 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

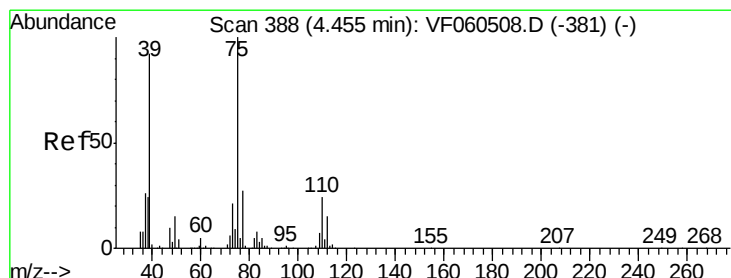
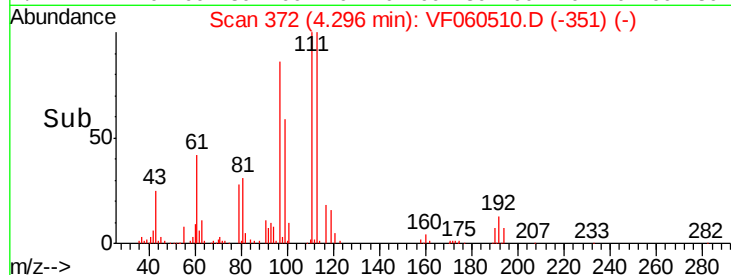
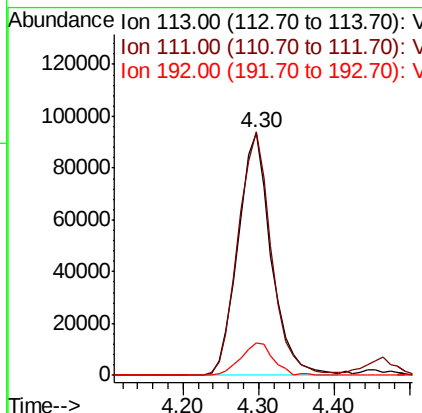
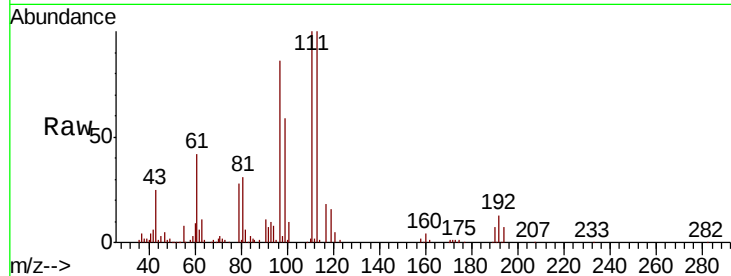
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	285315
Ion Ratio	Lower	Upper	
113	100		
111	100.4	75.9	113.9
192	13.5	10.6	15.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 114.282 ug/l

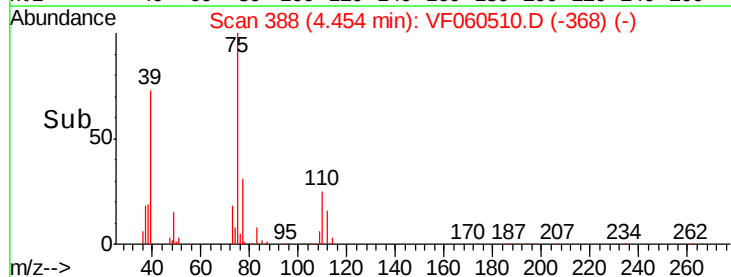
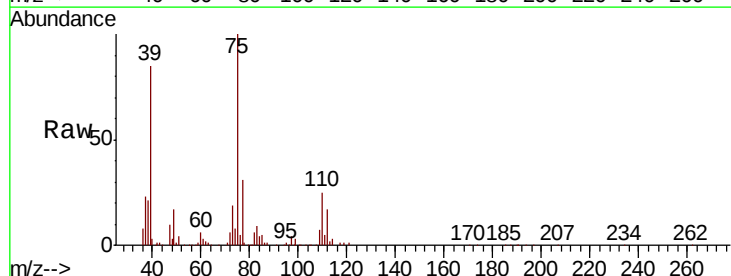
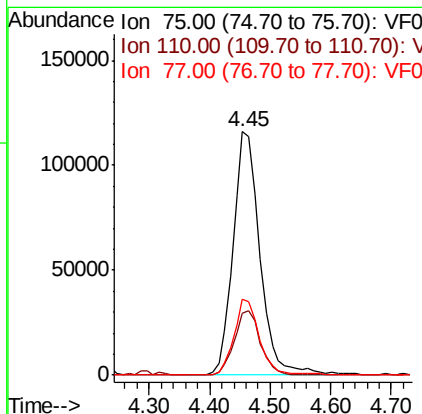
RT: 4.45 min Scan# 388

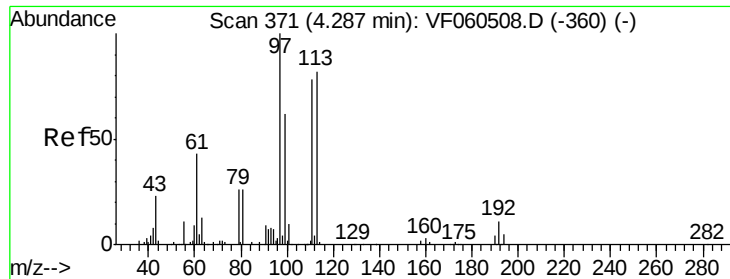
Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion:	75	Resp:	358979
Ion Ratio	Lower	Upper	
75	100		
110	25.3	12.1	36.3
77	31.2	21.8	32.6





#37

Ethyl Acetate

Concen: 92.736 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

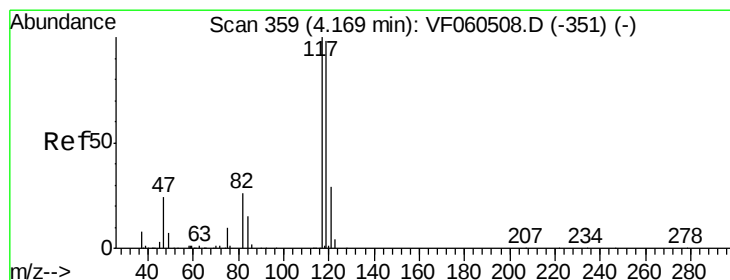
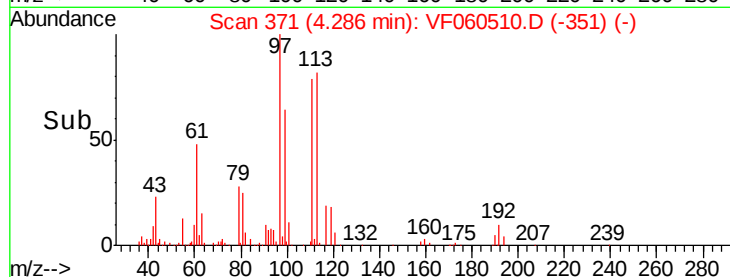
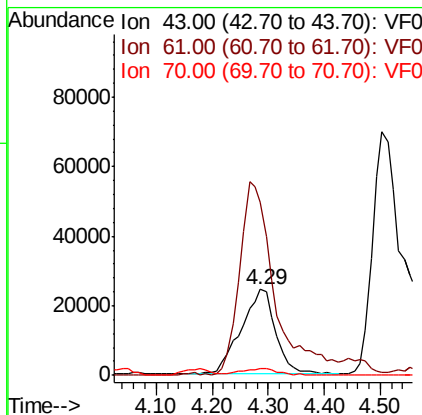
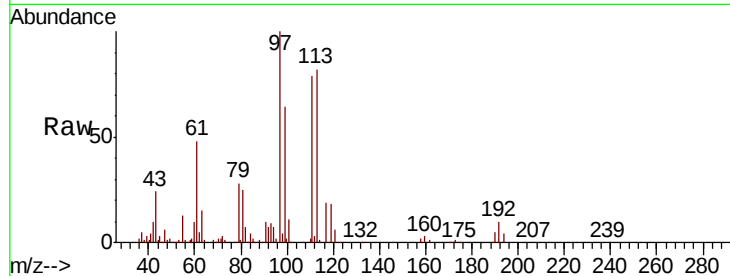
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	102895
Ion	Ratio	Lower	Upper
43	100		
61	202.3	148.5	222.7
70	7.8	4.7	7.1#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 155.752 ug/l m

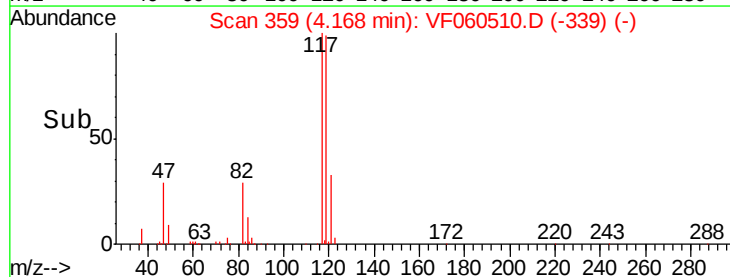
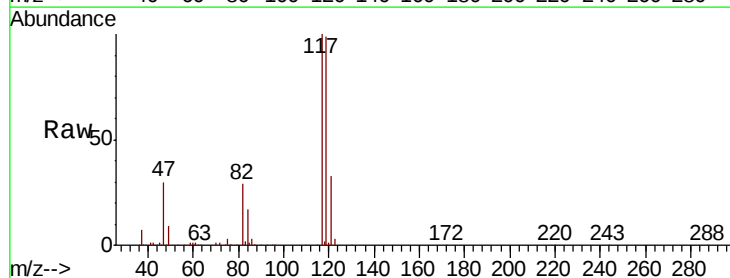
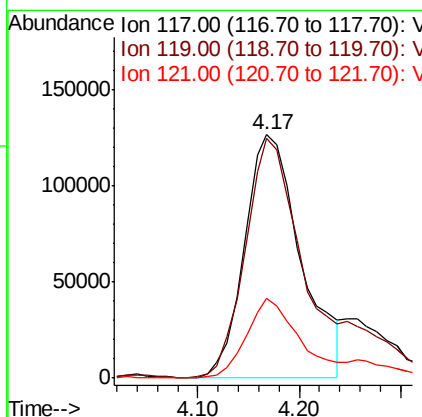
RT: 4.17 min Scan# 359

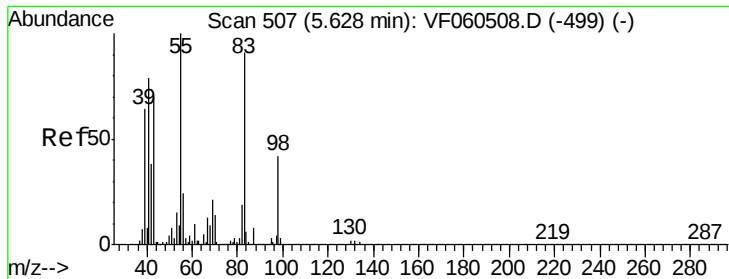
Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion:	117	Resp:	491449
Ion	Ratio	Lower	Upper
117	100		
119	98.7	78.3	117.5
121	32.7	23.3	34.9





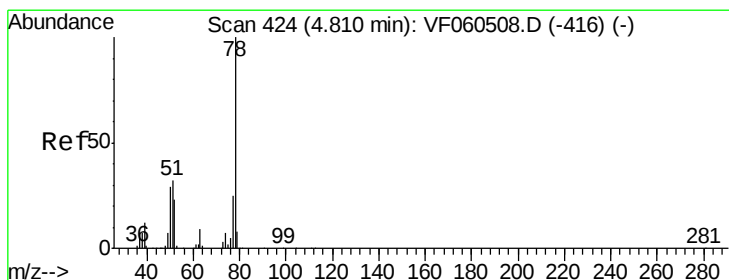
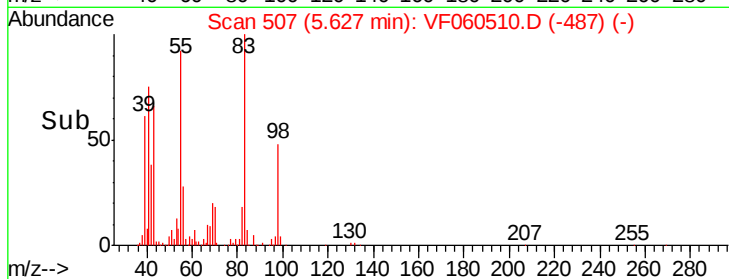
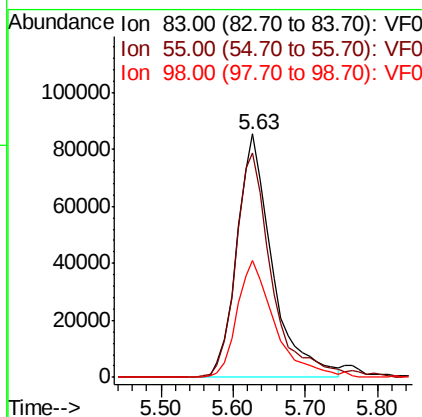
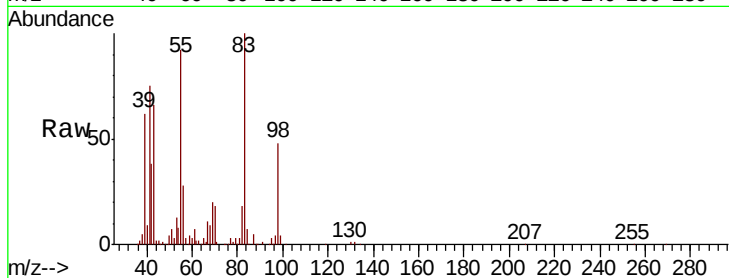
#39
Methvlcvclohexane
Concen: 98.842 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.3	87.9	131.9
98	48.2	37.0	55.6

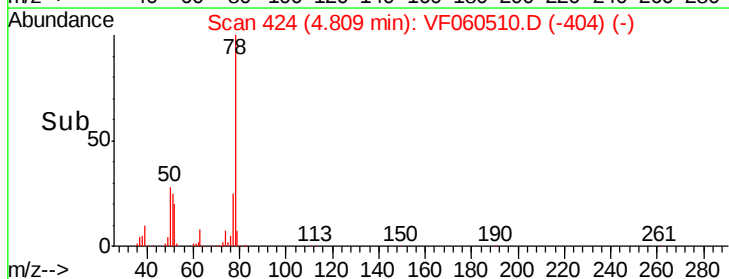
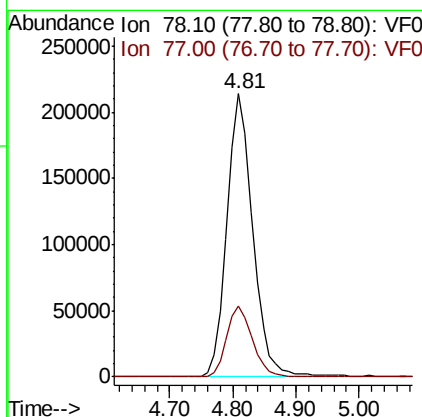
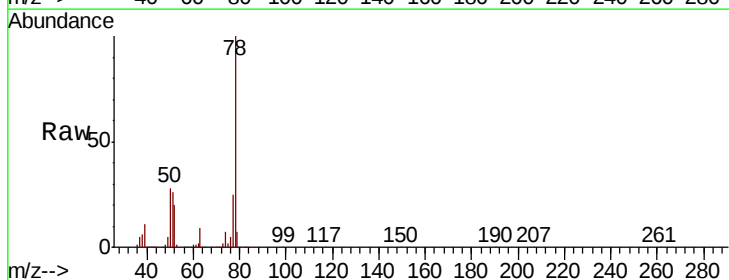
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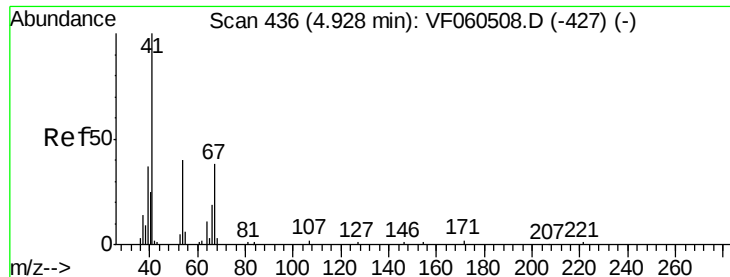
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#40
Benzene
Concen: 94.122 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.2	30.4





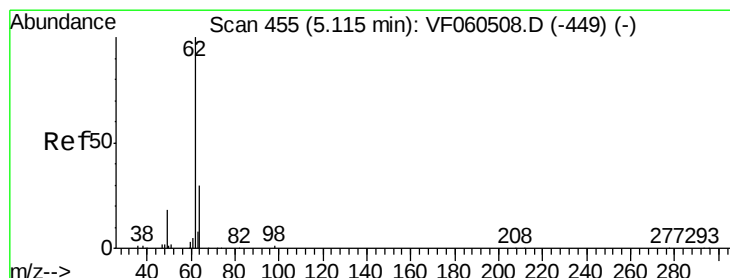
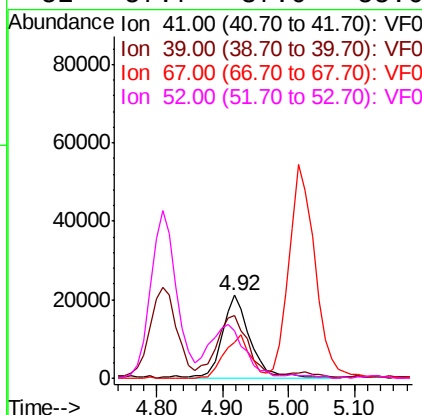
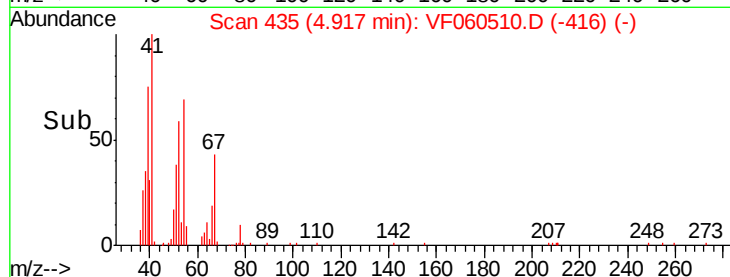
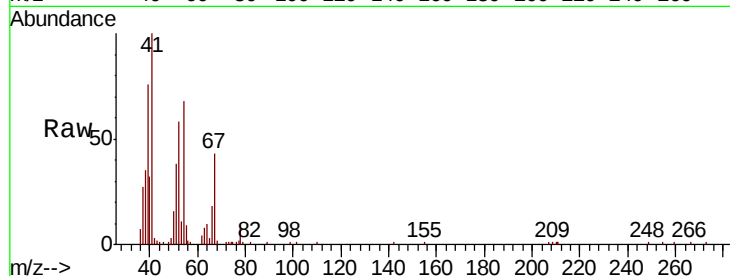
#41
Methacrylonitrile
Concen: 96.916 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	75.8	55.2	82.8	
67	42.8	29.8	44.8	
52	57.7	37.0	55.6	

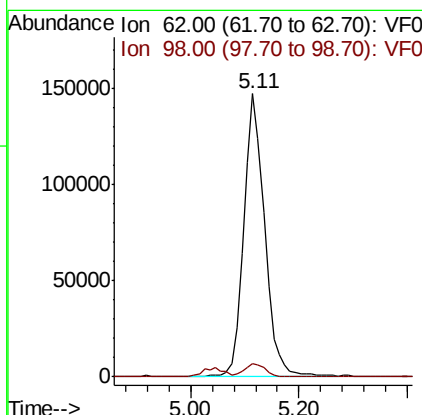
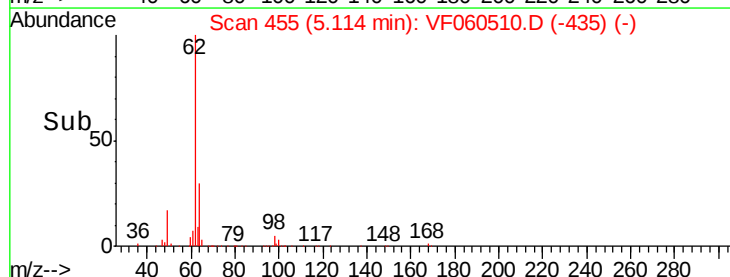
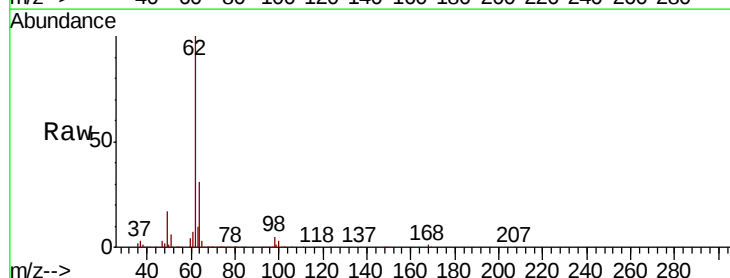
Manual Integrations
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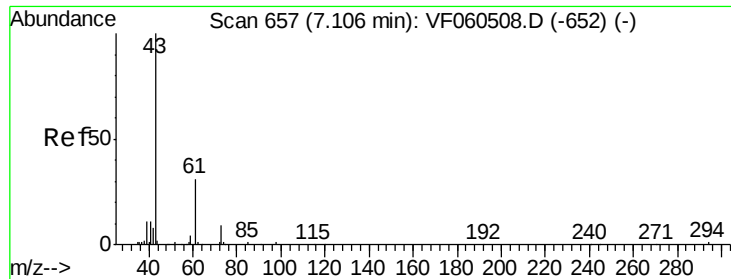
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#42
1,2-Dichloroethane
Concen: 135.192 ug/l
RT: 5.11 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.8	0.0	9.4	





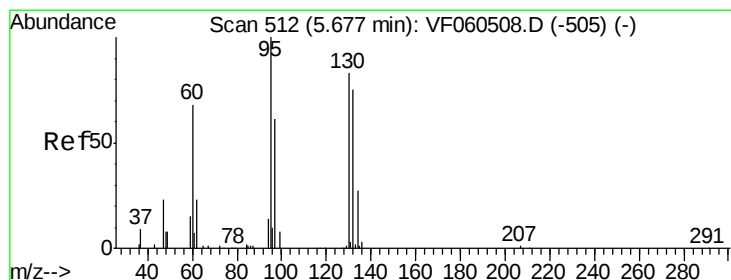
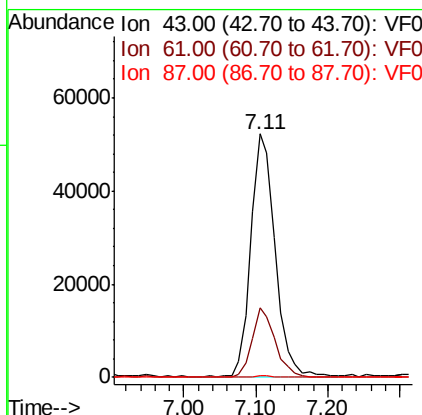
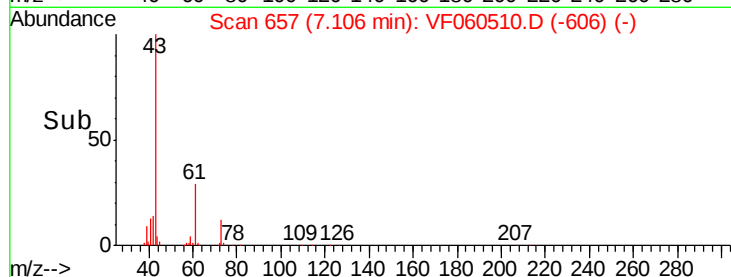
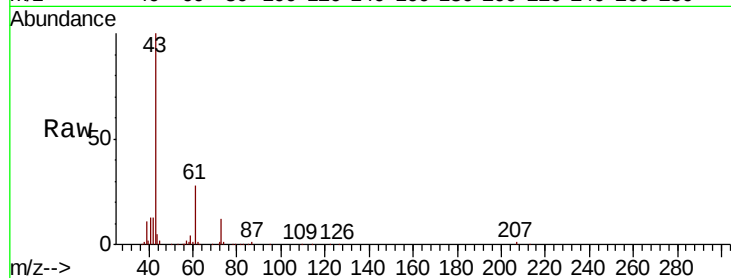
#43
Isopropyl Acetate
Concen: 89.246 ug/l
RT: 7.11 min Scan# 657
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	24.4	36.6
87	0.8	0.0	0.0#

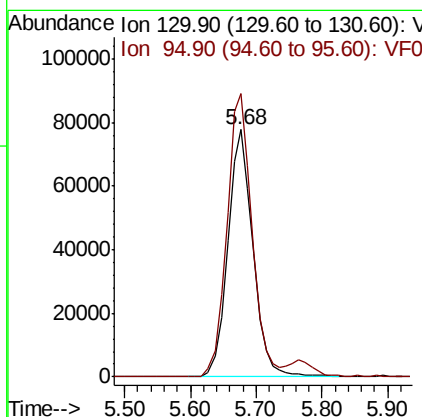
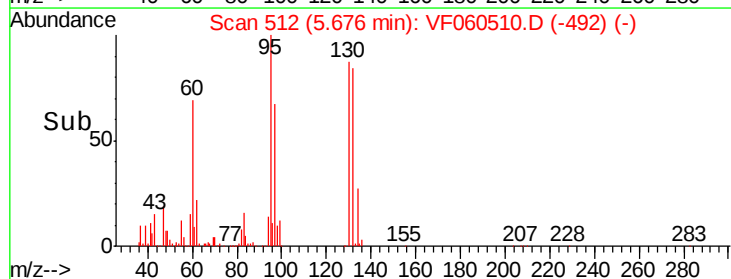
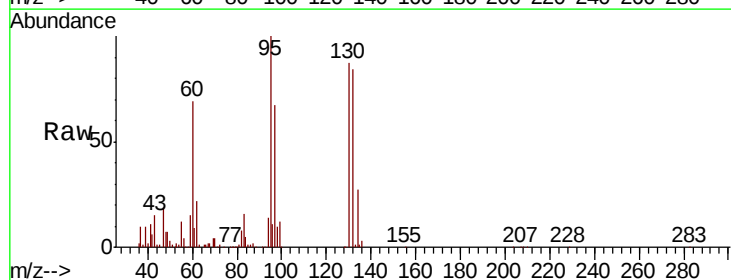
Manual Integrations
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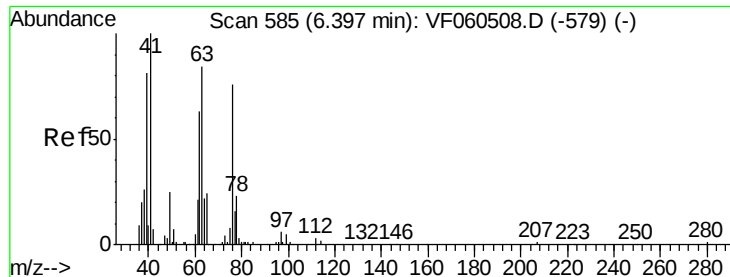
apatel
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#44
Trichloroethene
Concen: 103.505 ug/l
RT: 5.68 min Scan# 512
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.4	0.0	242.8





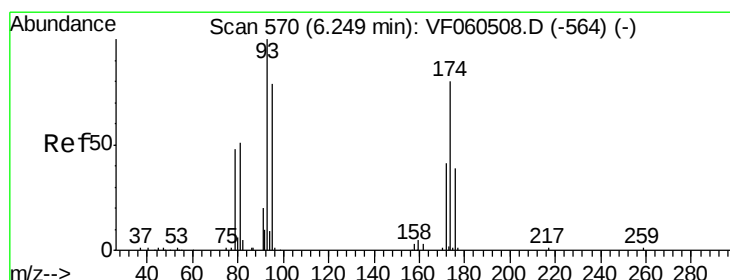
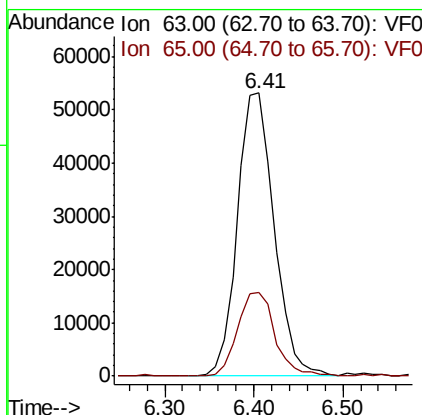
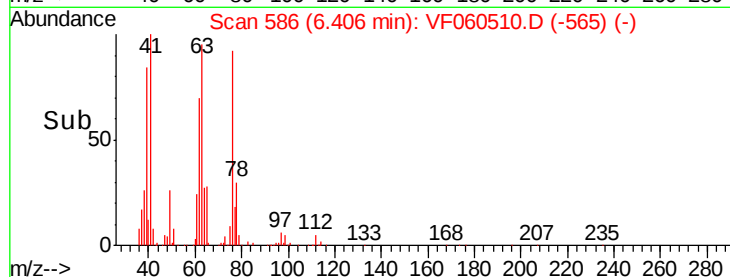
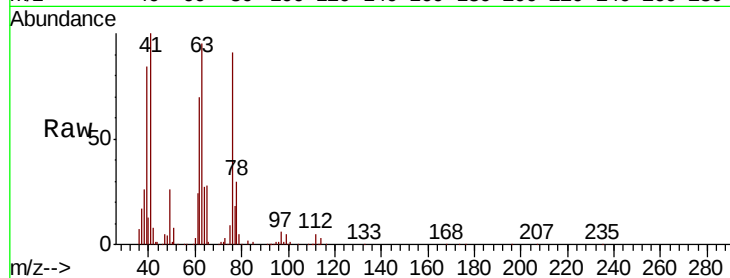
#45
 1,2-Dichloropropane
 Concen: 96.538 ug/l
 RT: 6.41 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 152413
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.7 34.1

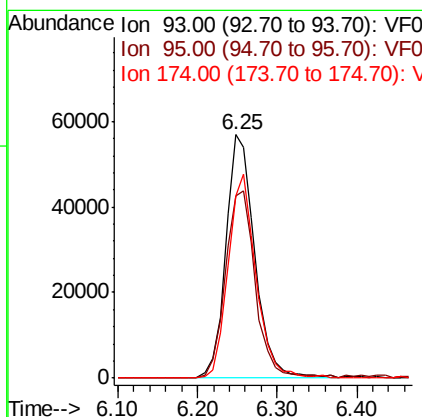
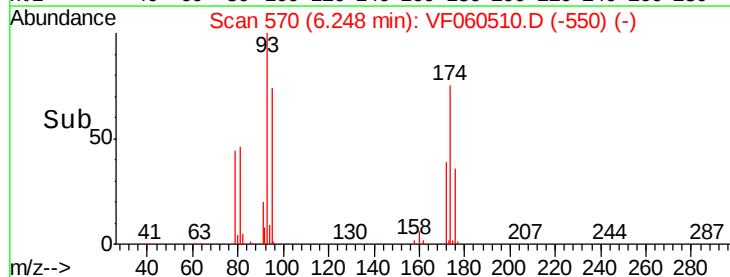
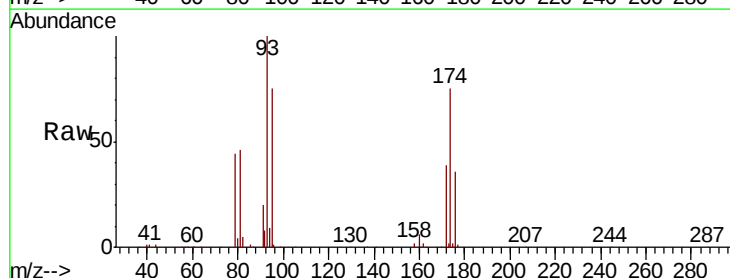
Manual Integrations
 APPROVED

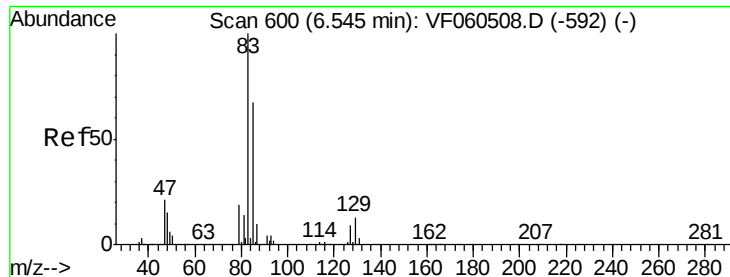
apatel
 10/26/2018 10:27:55 AM



#46
 Dibromomethane
 Concen: 114.355 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion: 93 Resp: 144821
 Ion Ratio Lower Upper
 93 100
 95 74.7 63.8 95.8
 174 74.6 64.9 97.3





#47

Bromodichloromethane

Concen: 128.222 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

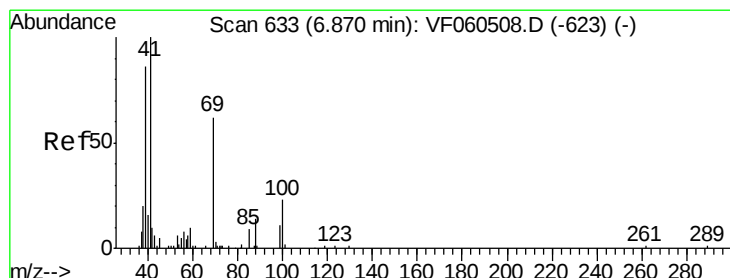
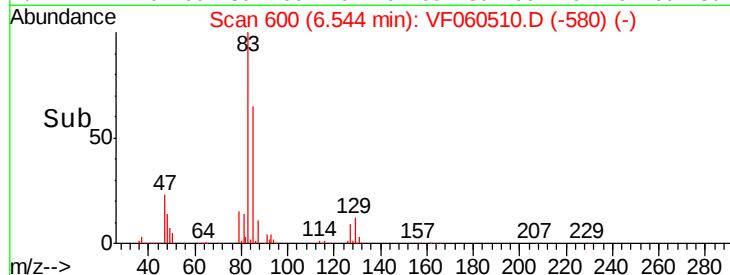
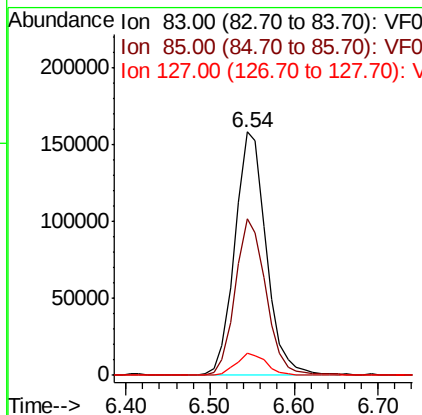
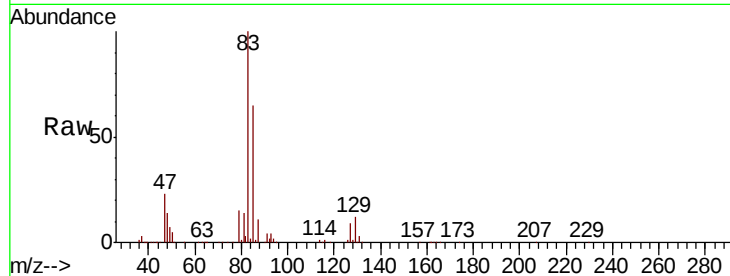
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	410107
Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.4	80.0
127	8.9	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 106.775 ug/l

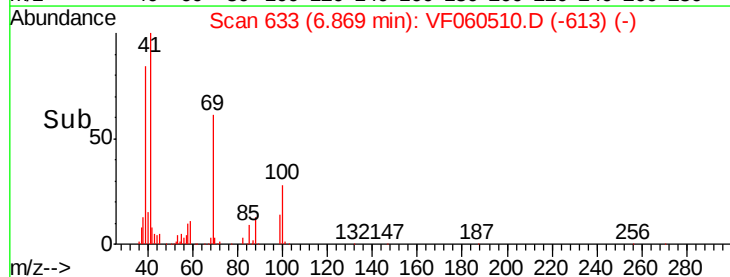
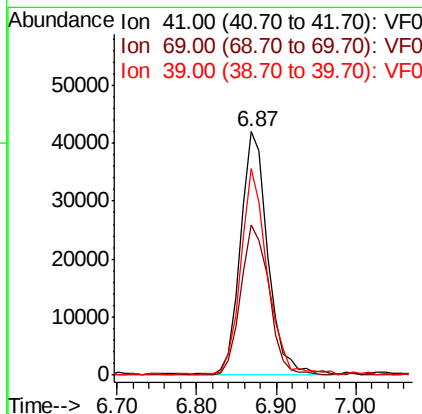
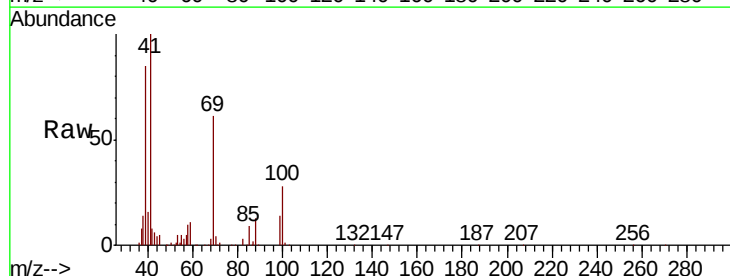
RT: 6.87 min Scan# 633

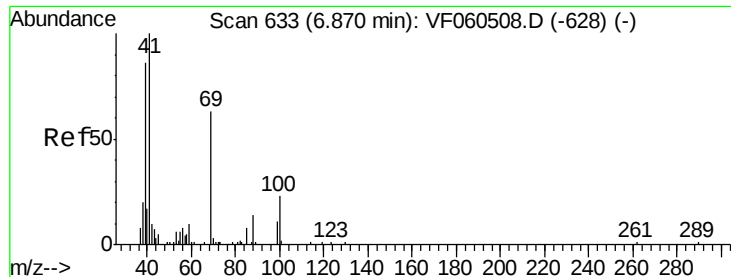
Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion:	41	Resp:	100022
Ion	Ratio	Lower	Upper
41	100		
69	61.5	49.6	74.4
39	85.0	69.4	104.2





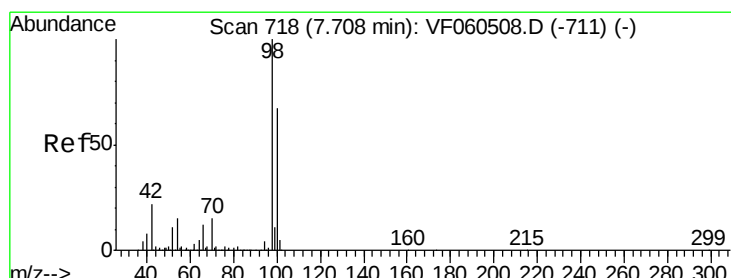
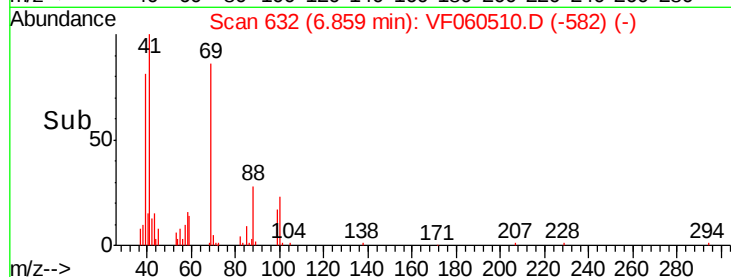
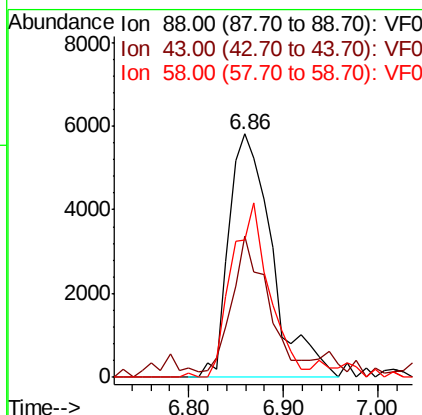
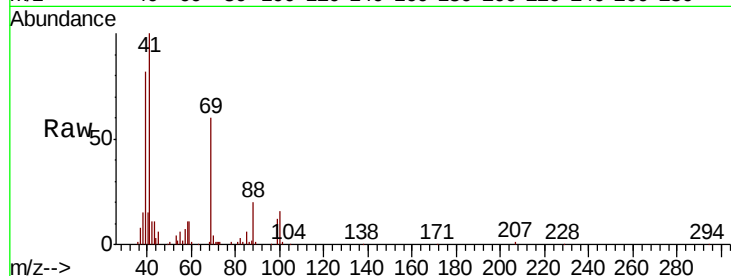
#49
1,4-Dioxane
Concen: 2287.886 ug/l
RT: 6.86 min Scan# 632
Delta R.T. -0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.0	39.3	58.9
58	56.4	35.0	52.6

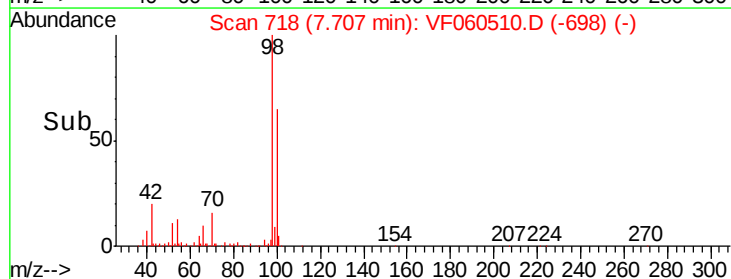
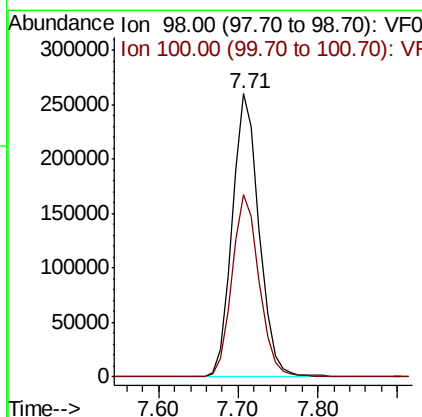
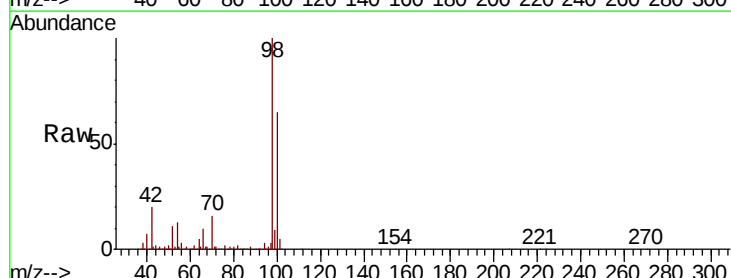
Manual Integrations
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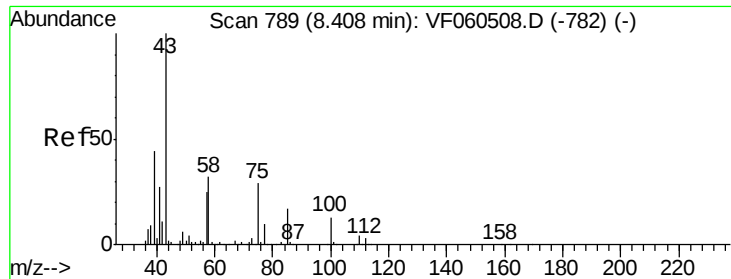
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#50
Toluene-d8
Concen: 102.662 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 506.771 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 488866

Ion Ratio Lower Upper

43 100

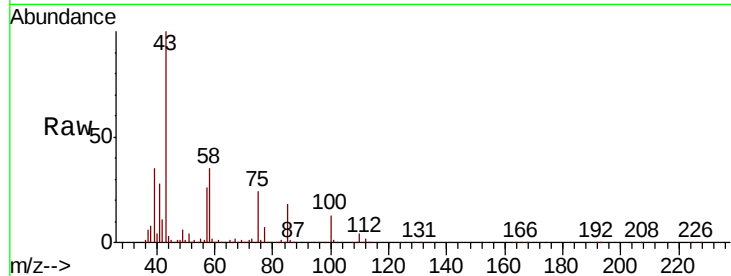
58 34.5 25.4 38.2

Manual Integrations

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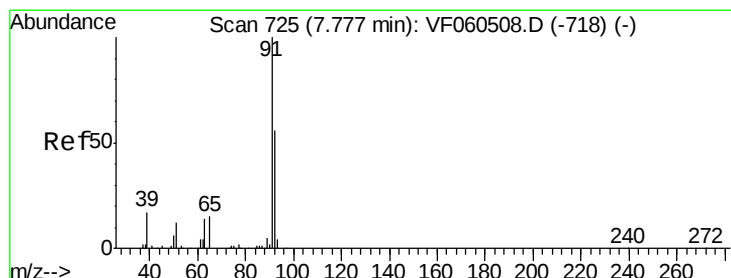
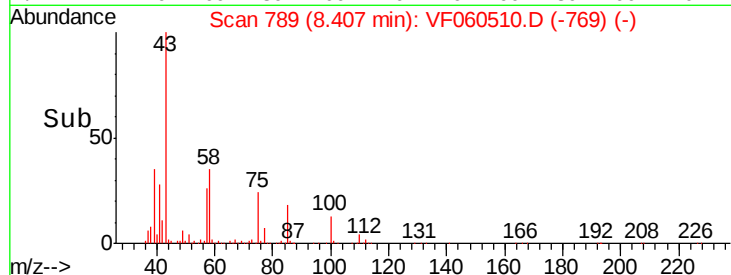
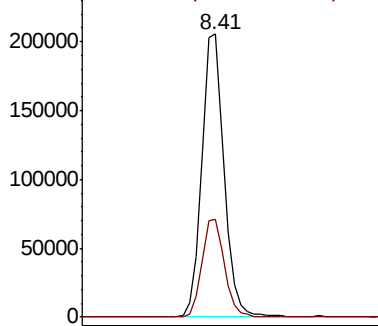
apatel

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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: 94.260 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060510.D

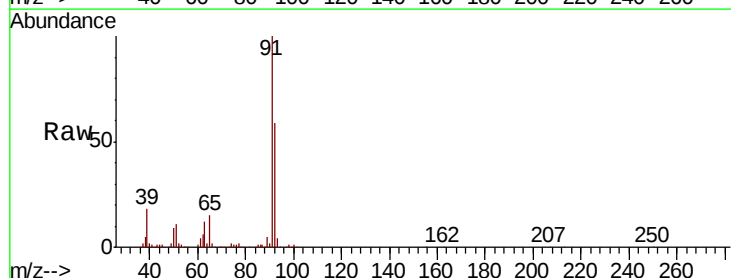
Acq: 25 Oct 2018 16:31

Tgt Ion: 92 Resp: 382866

Ion Ratio Lower Upper

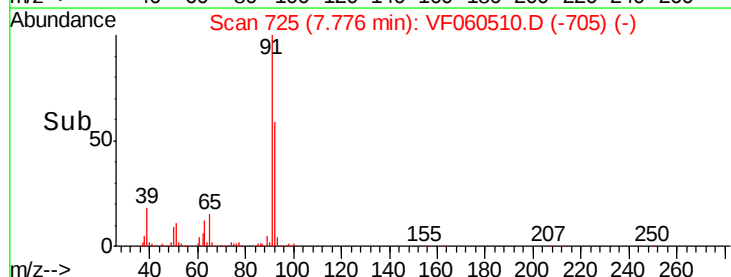
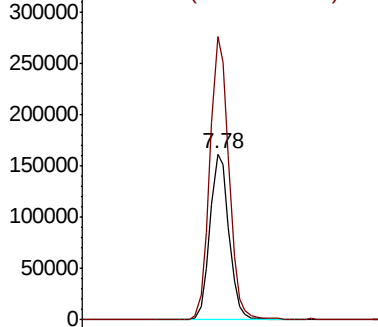
92 100

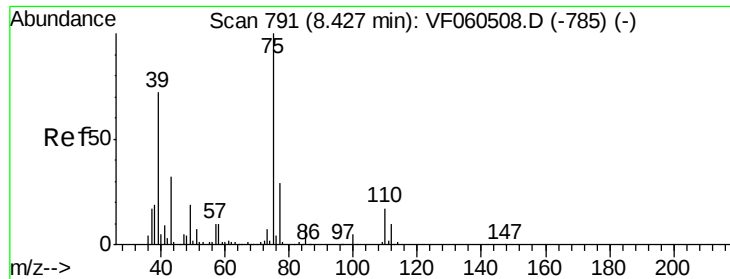
91 170.9 143.8 215.8



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: 112.968 ug/l

RT: 8.43 min Scan# 791

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 280622

Ion Ratio Lower Upper

75 100

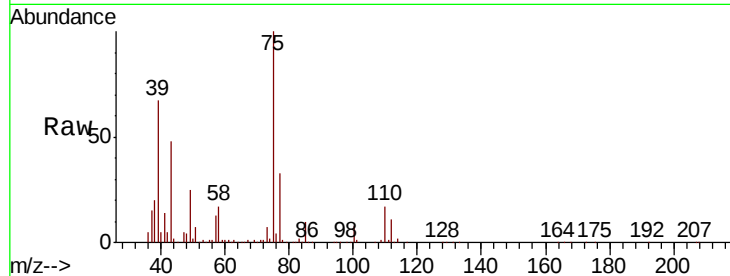
77 32.9 23.7 35.5

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

150000

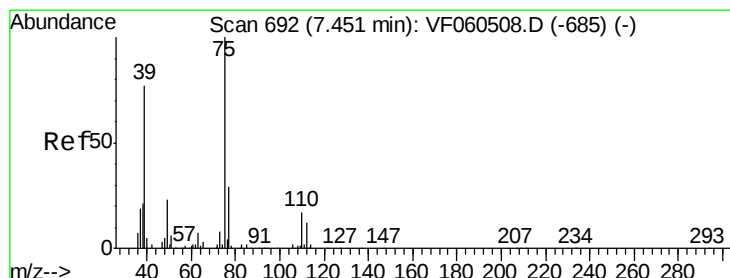
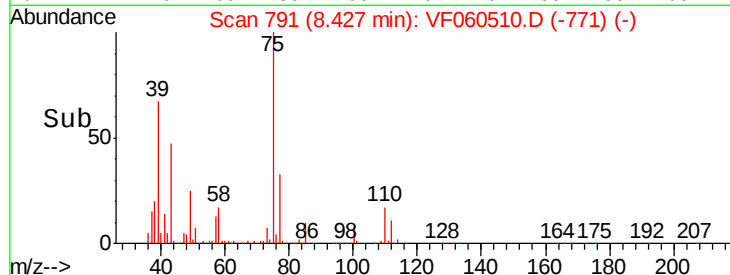
100000

50000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 107.022 ug/l

RT: 7.46 min Scan# 693

Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

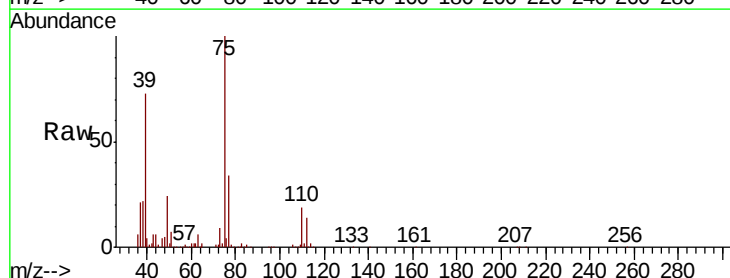
Tgt Ion: 75 Resp: 309631

Ion Ratio Lower Upper

75 100

77 33.7 23.6 35.4

39 73.0 61.6 92.4



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

150000

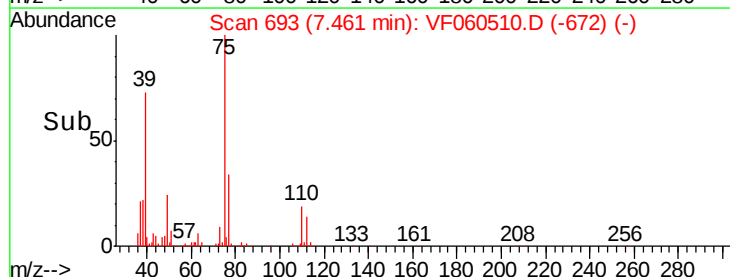
100000

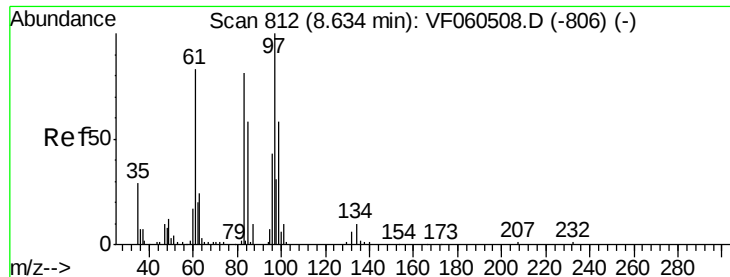
50000

0

7.30 7.40 7.50 7.60

Time-->





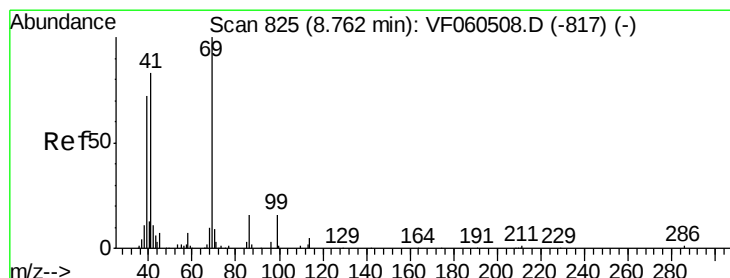
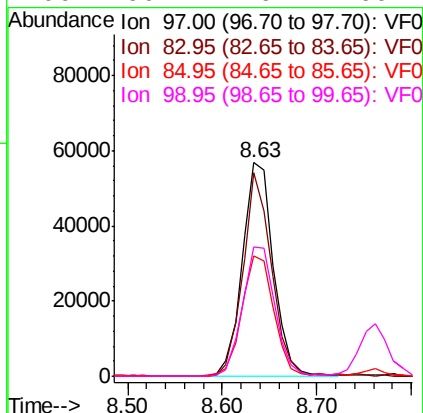
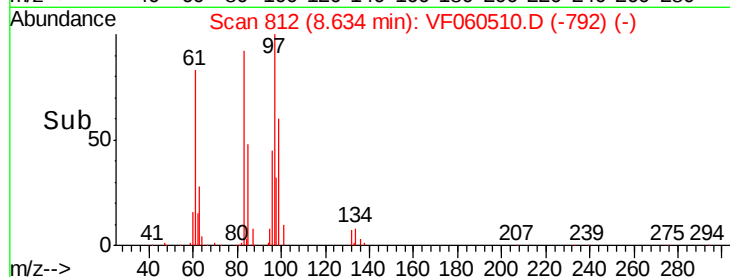
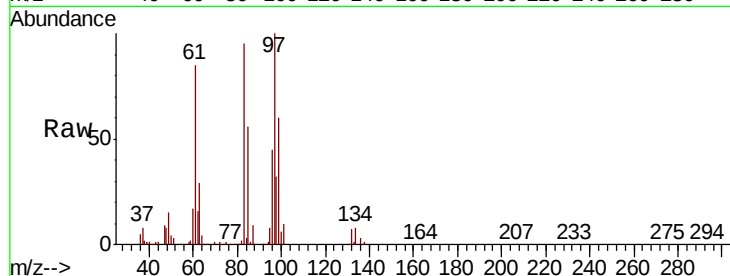
#55
 1,1,2-Trichloroethane
 Concen: 103.368 ug/l
 RT: 8.63 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		129038		
83	95.4	65.0	97.4		
85	56.3	47.0	70.6		
99	60.2	46.2	69.4		

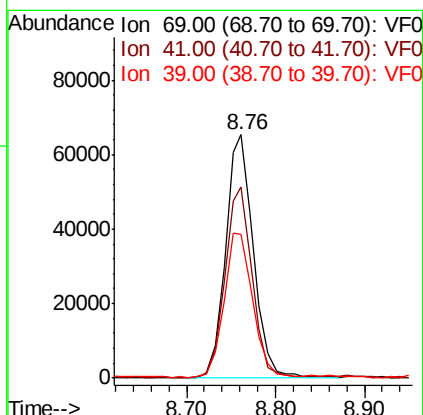
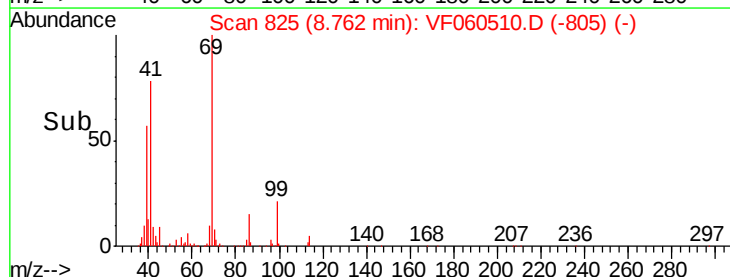
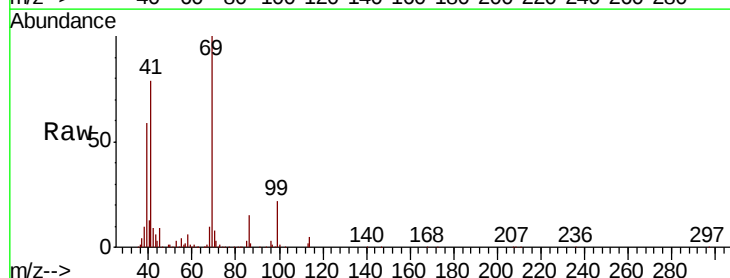
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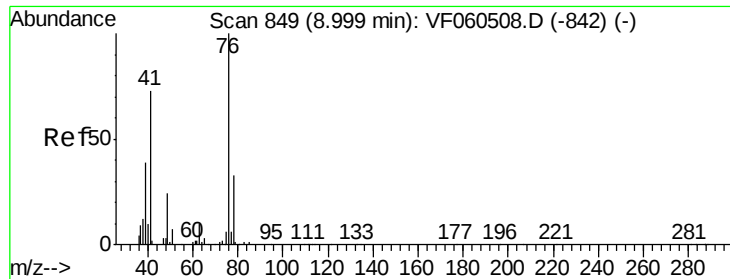
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#56
 Ethyl methacrylate
 Concen: 99.143 ug/l
 RT: 8.76 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		143197		
41	78.5	67.2	100.8		
39	58.8	58.4	87.6		





#57

1,3-Dichloropropane

Concen: 100.993 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 217085

Ion Ratio Lower Upper

76 100

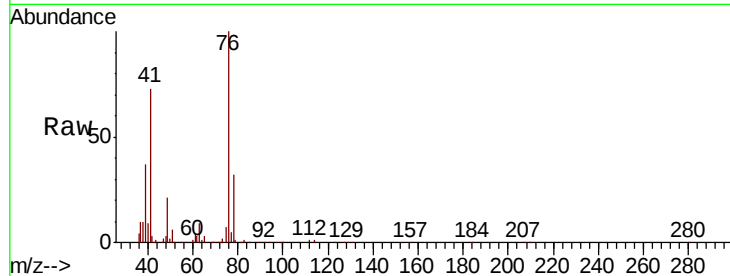
78 32.2 26.6 40.0

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.00

100000

80000

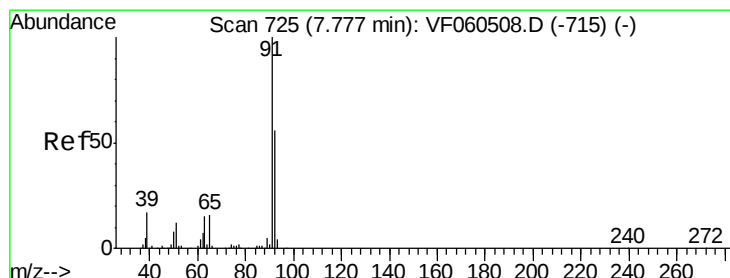
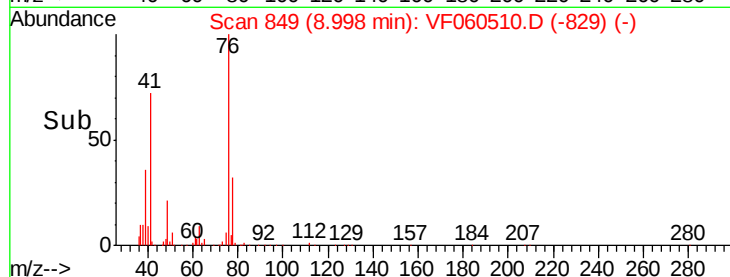
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 593.579 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060510.D

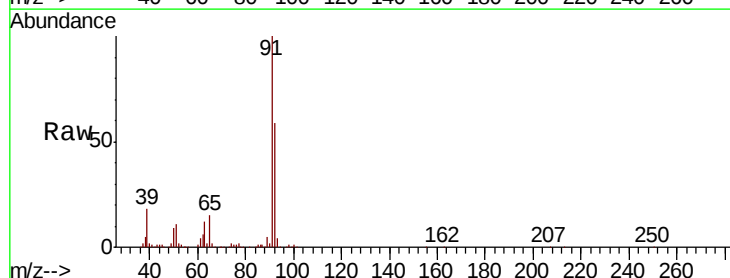
Acq: 25 Oct 2018 16:31

Tgt Ion: 63 Resp: 87121

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

40000

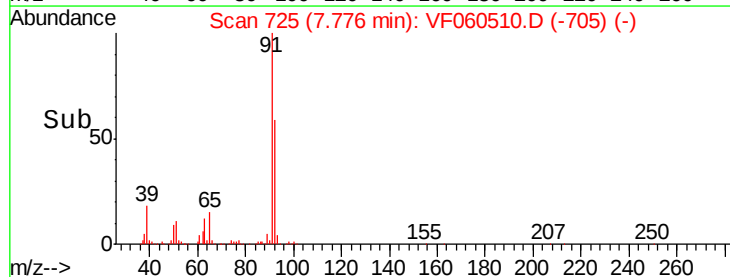
30000

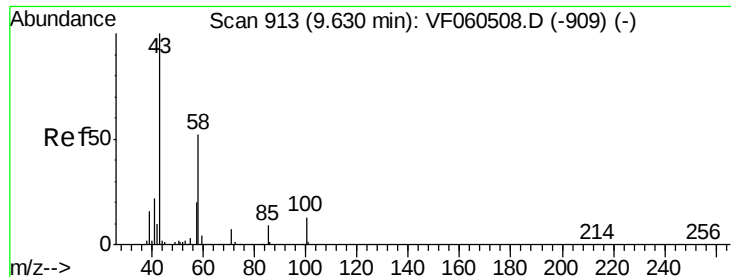
20000

10000

0

Time-->





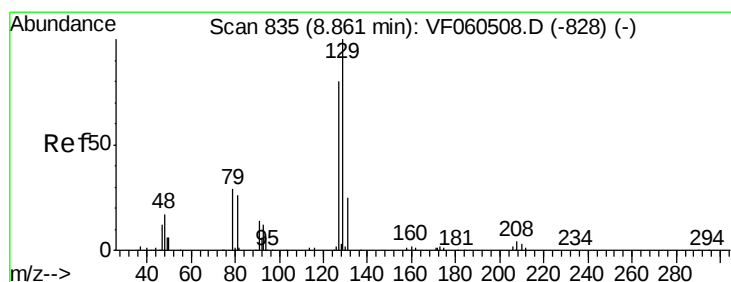
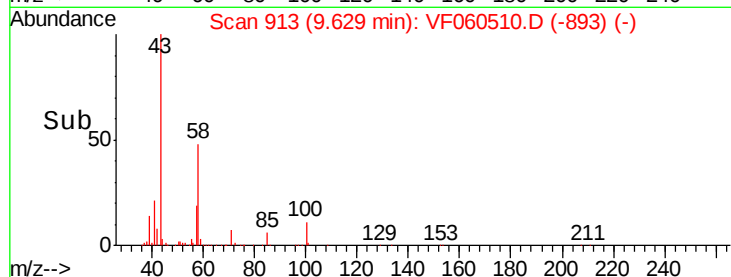
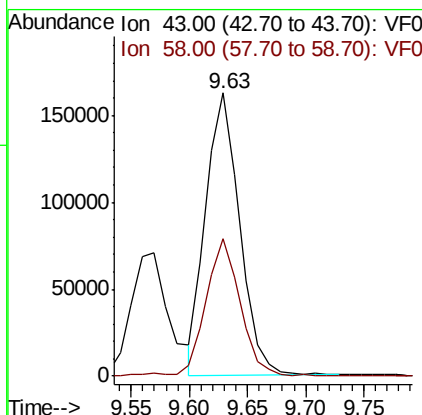
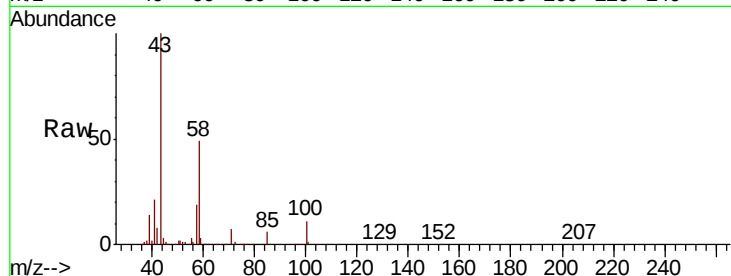
#59
2-Hexanone
Concen: 468.300 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	23.5	70.5

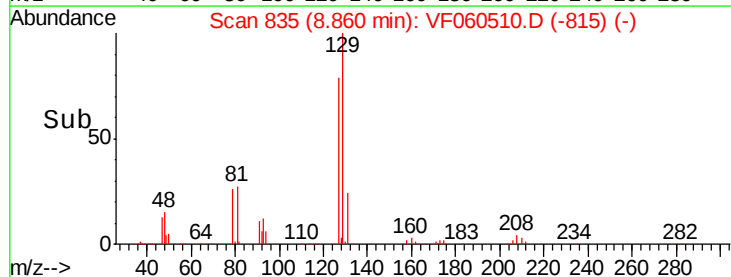
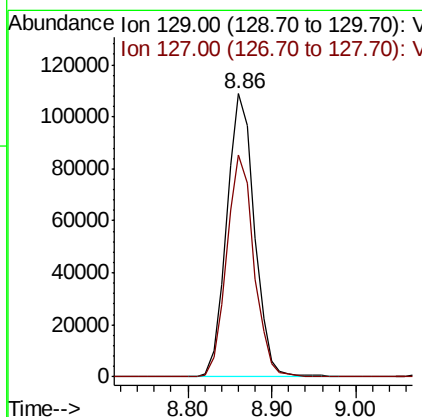
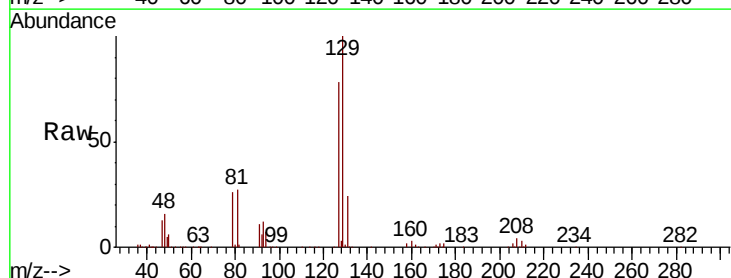
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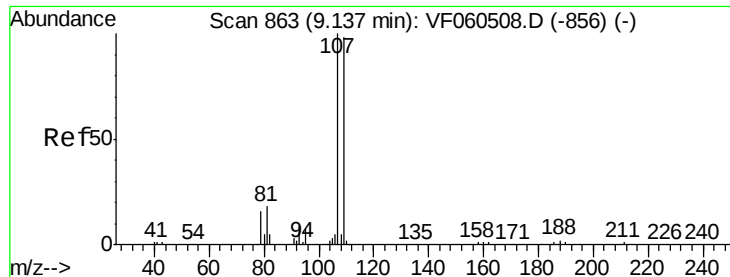
apatel
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#60
Dibromochloromethane
Concen: 127.390 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	40.2	120.5





#61

1,2-Dibromoethane

Concen: 107.763 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 151998

Ion Ratio Lower Upper

107 100

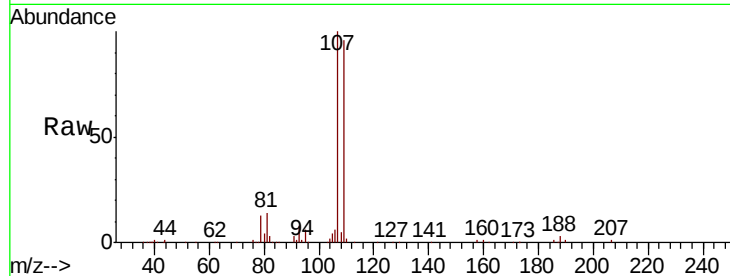
109 95.7 78.6 118.0

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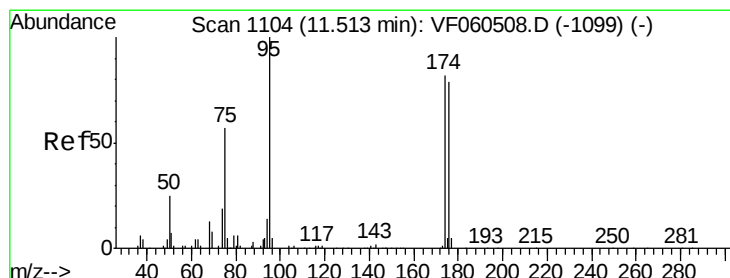
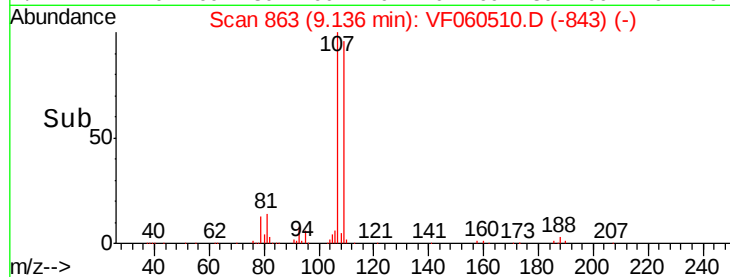
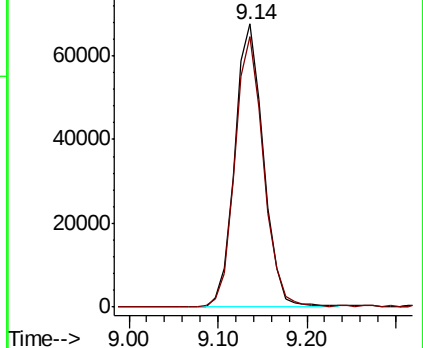
apatel

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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: 120.150 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

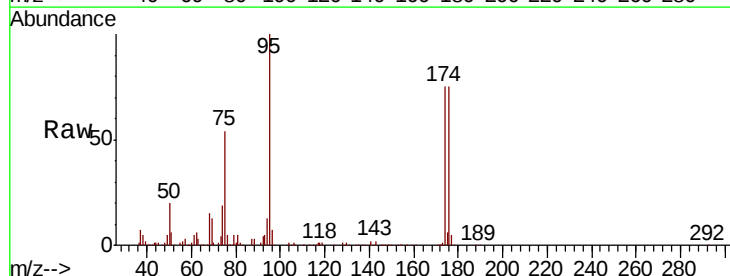
Tgt Ion: 95 Resp: 314969

Ion Ratio Lower Upper

95 100

174 75.4 0.0 164.2

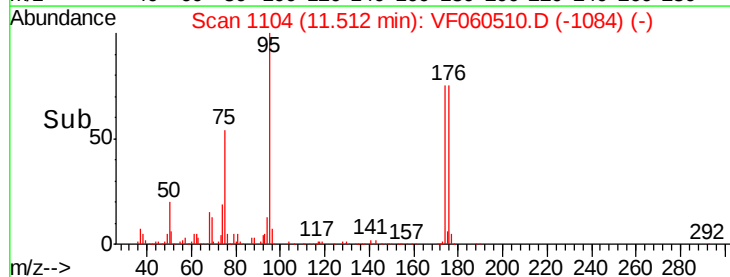
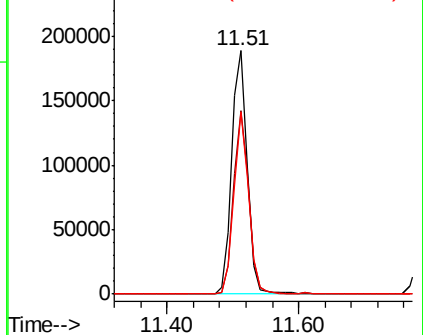
176 74.7 0.0 158.4

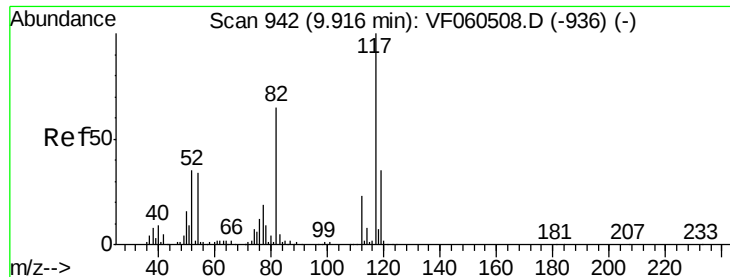


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





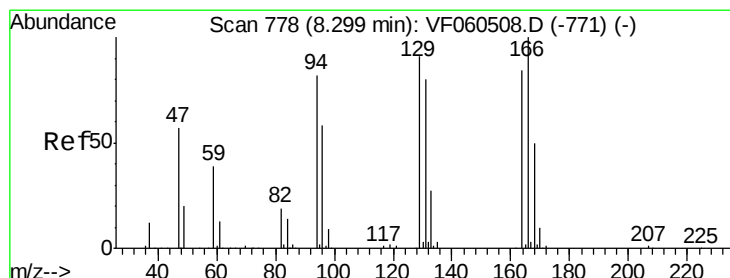
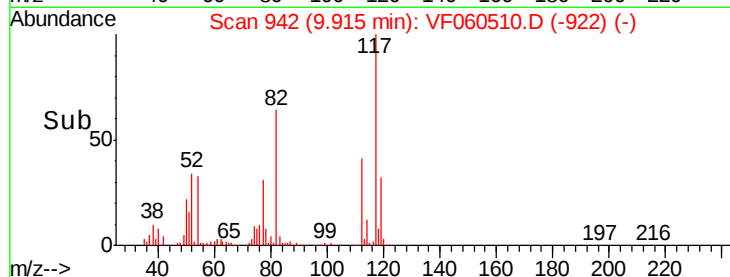
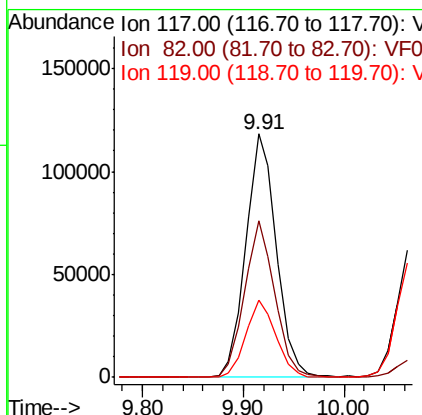
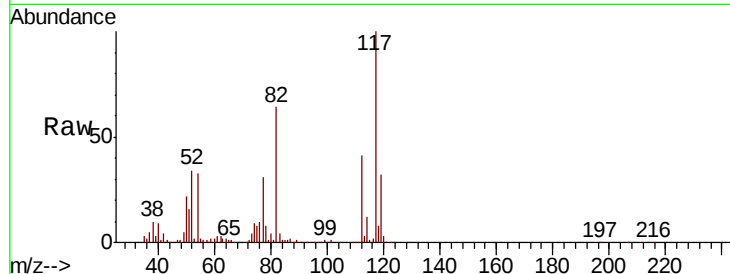
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.5	51.7	77.5
119	31.5	28.3	42.5

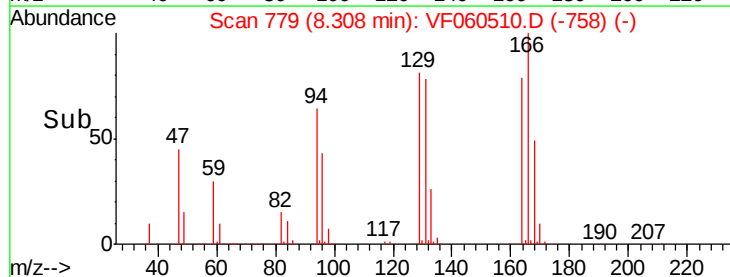
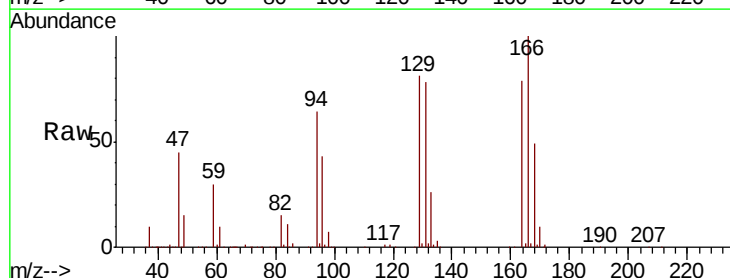
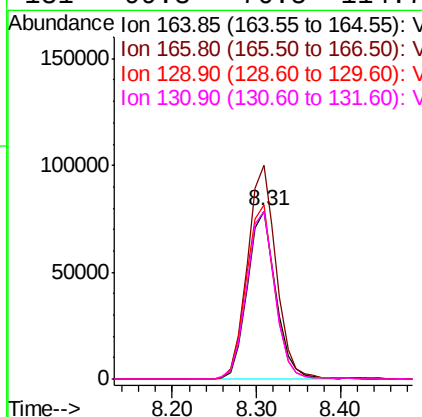
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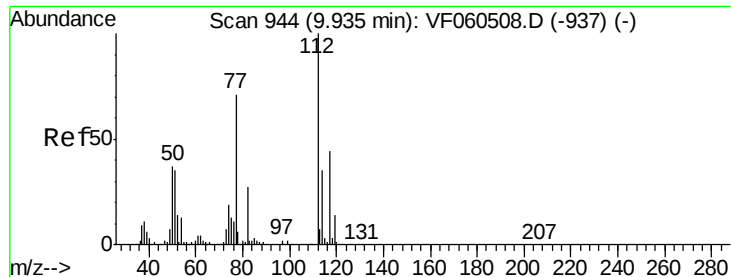
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#64
Tetrachloroethene
Concen: 93.534 ug/l
RT: 8.31 min Scan# 779
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	95.1	142.7
129	103.3	86.3	129.5
131	99.3	76.5	114.7





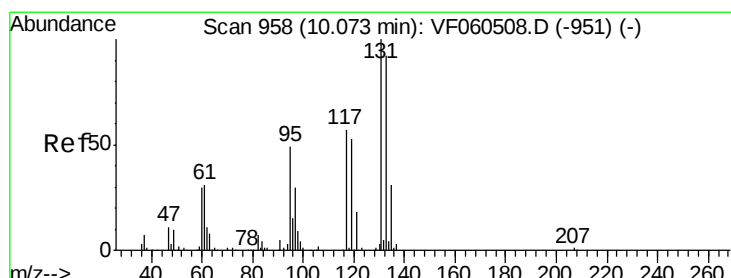
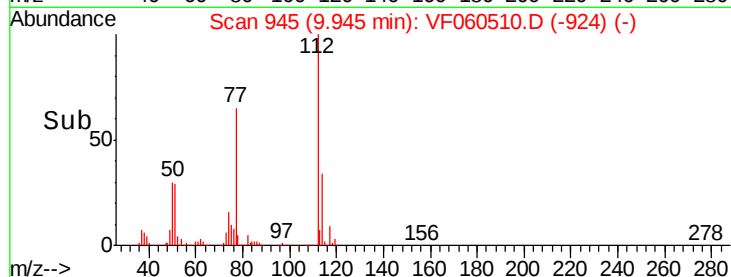
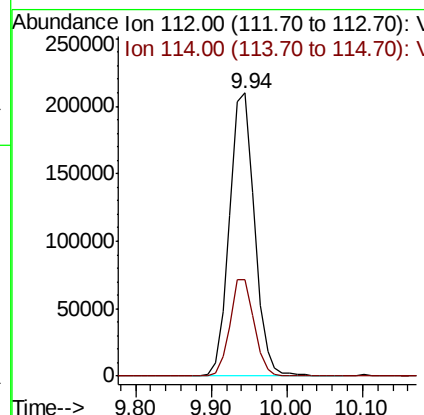
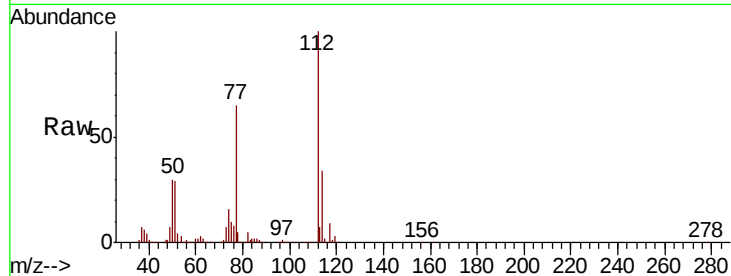
#65
Chlorobenzene
Concen: 98.898 ug/l
RT: 9.94 min Scan# 945
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 481870
Ion Ratio Lower Upper
112 100
114 34.0 27.7 41.5

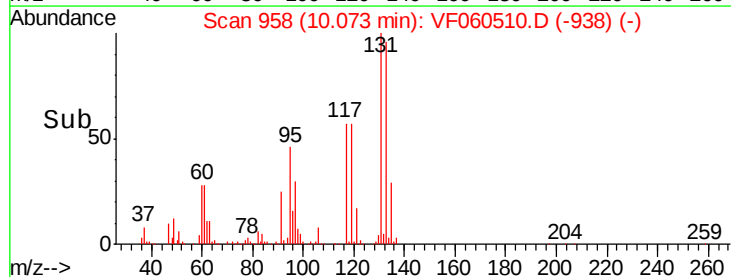
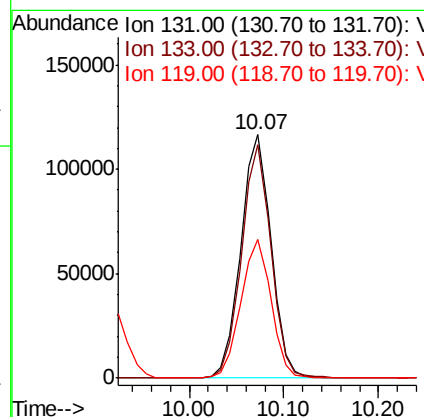
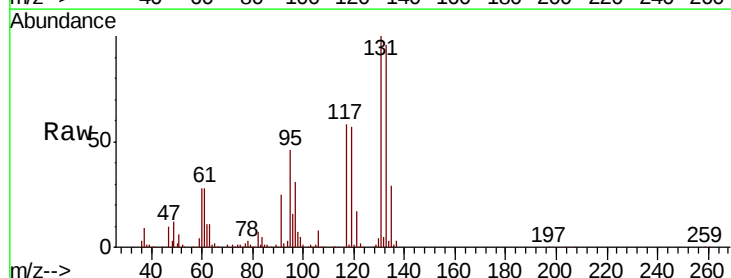
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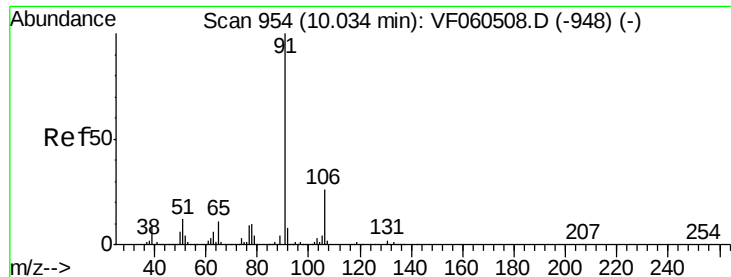
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#66
1,1,1,2-Tetrachloroethane
Concen: 117.358 ug/l
RT: 10.07 min Scan# 958
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion:131 Resp: 257570
Ion Ratio Lower Upper
131 100
133 95.9 46.1 138.2
119 57.2 27.0 80.8





#67

Ethyl Benzene

Concen: 103.101 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 947765

Ion Ratio Lower Upper

91 100

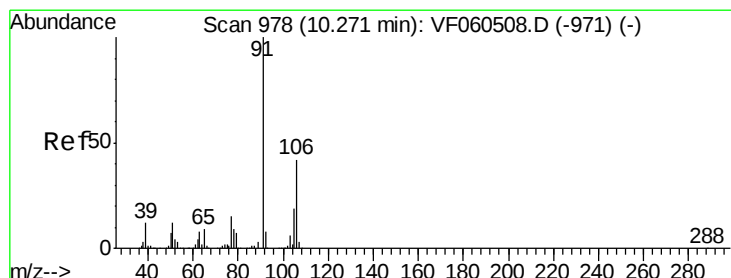
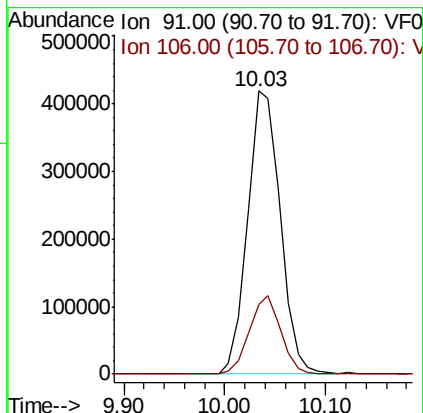
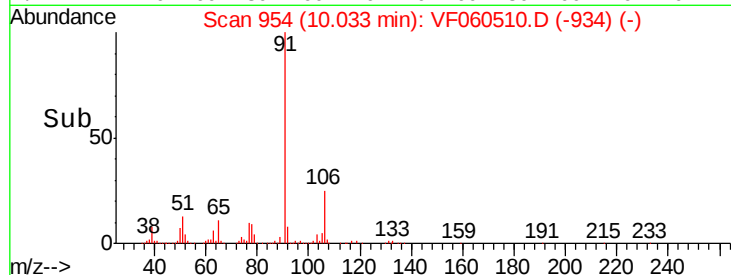
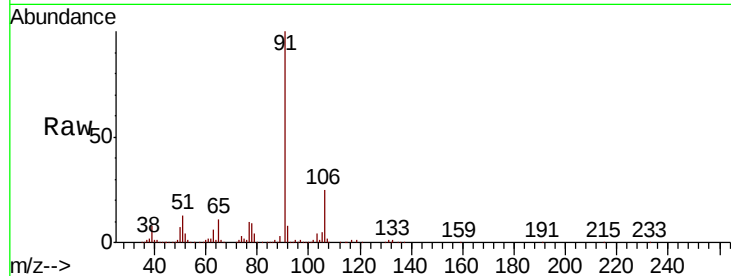
106 24.7 20.7 31.1

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#68

m/p-Xylenes

Concen: 196.114 ug/l

RT: 10.27 min Scan# 978

Delta R.T. -0.00 min

Lab File: VF060510.D

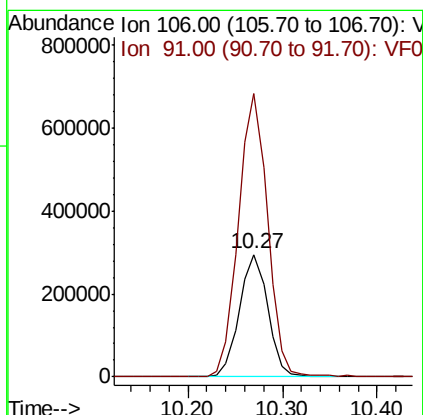
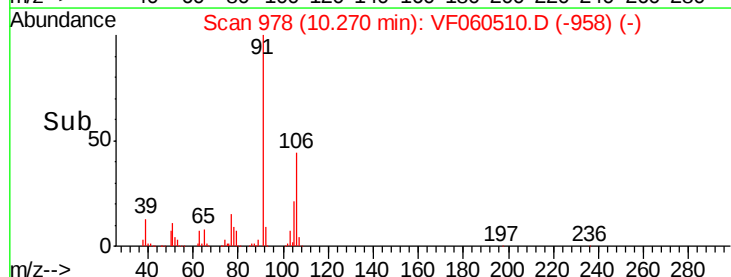
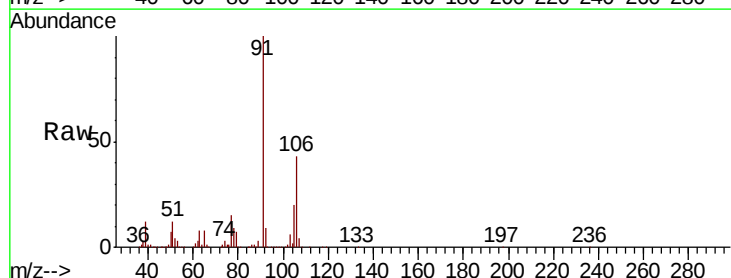
Acq: 25 Oct 2018 16:31

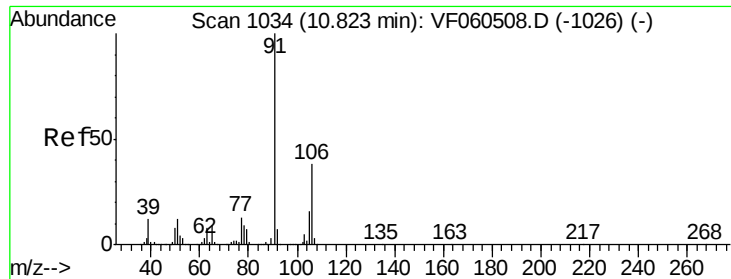
Tgt Ion: 106 Resp: 615415

Ion Ratio Lower Upper

106 100

91 231.0 192.5 288.7





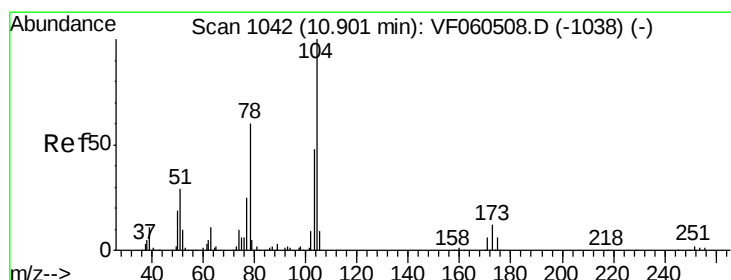
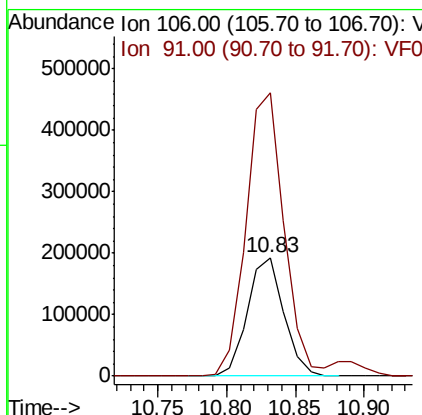
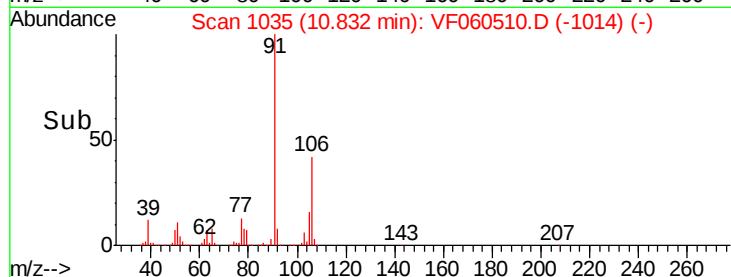
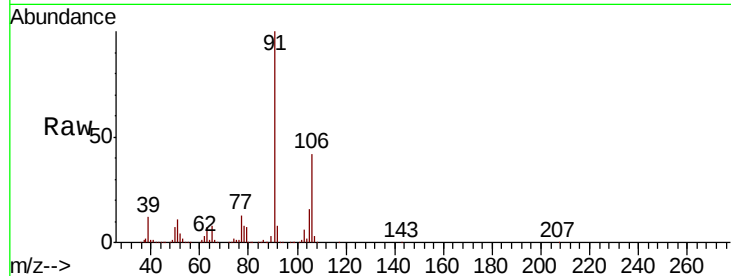
#69
o-Xylene
Concen: 104.526 ug/l
RT: 10.83 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 356708
Ion Ratio Lower Upper
106 100
91 238.3 130.9 392.7

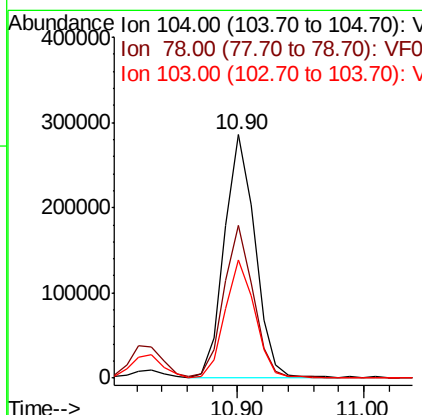
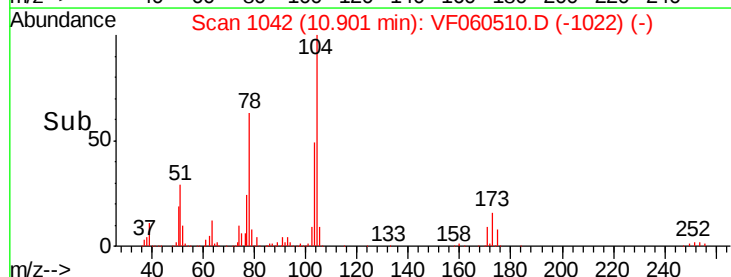
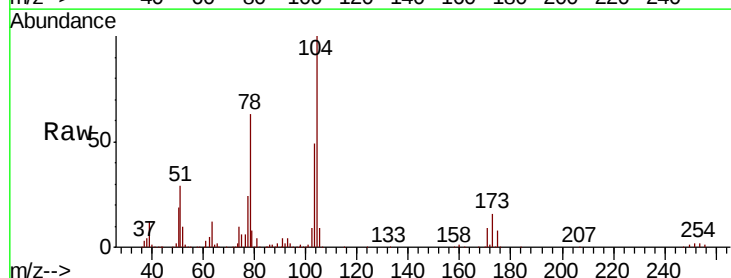
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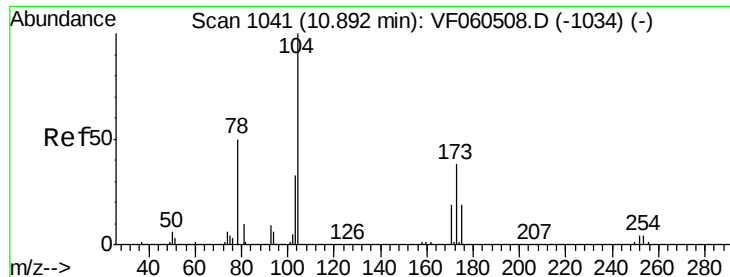
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#70
Styrene
Concen: 97.678 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion:104 Resp: 479818
Ion Ratio Lower Upper
104 100
78 62.6 48.7 73.1
103 48.7 38.8 58.2





#71

Bromoform

Concen: 120.743 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

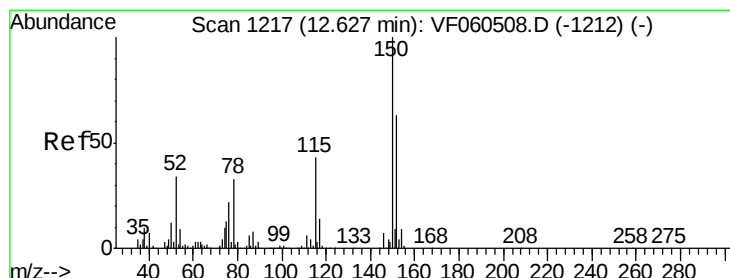
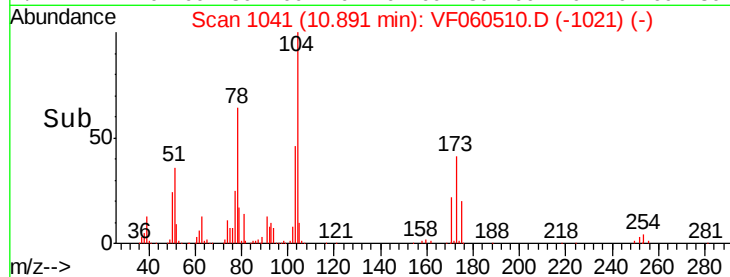
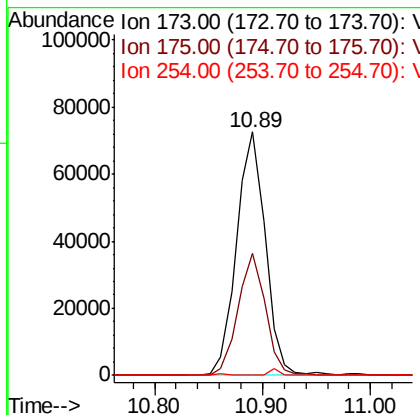
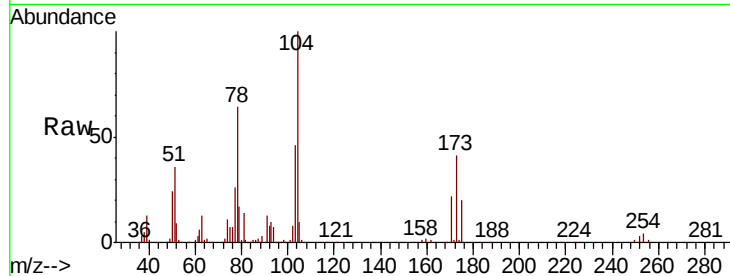
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	134351
Ion Ratio	Lower	Upper	
173	100		
175	50.3	25.5	76.5
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

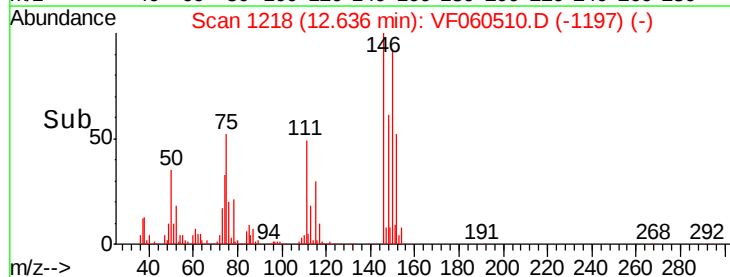
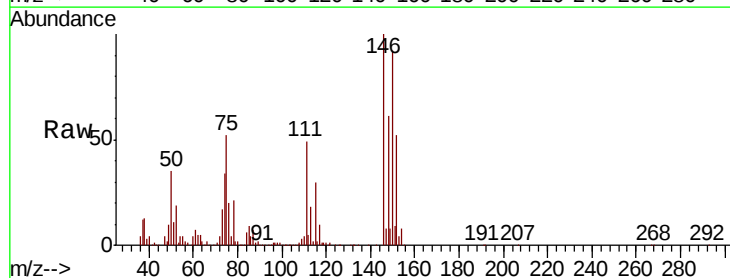
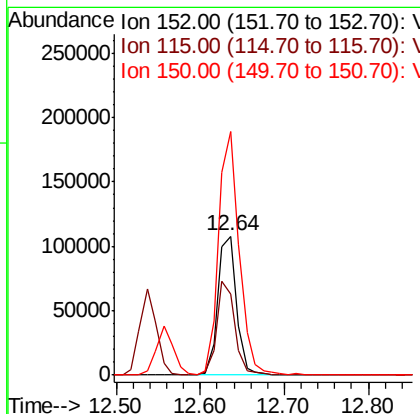
RT: 12.64 min Scan# 1218

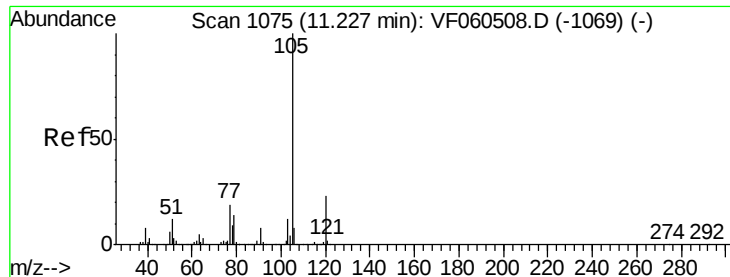
Delta R.T. 0.01 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion:	152	Resp:	167412
Ion Ratio	Lower	Upper	
152	100		
115	57.9	34.6	103.9
150	174.8	0.0	319.8





#73

Isopropylbenzene

Concen: 92.870 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1155695

Ion Ratio Lower Upper

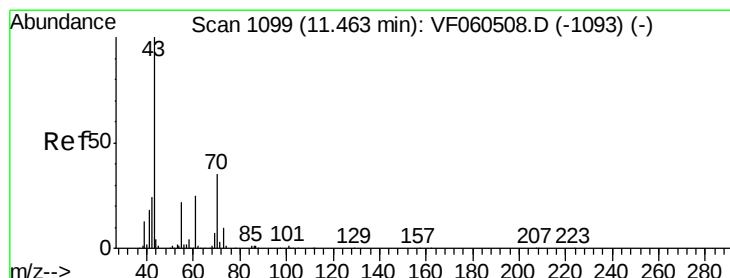
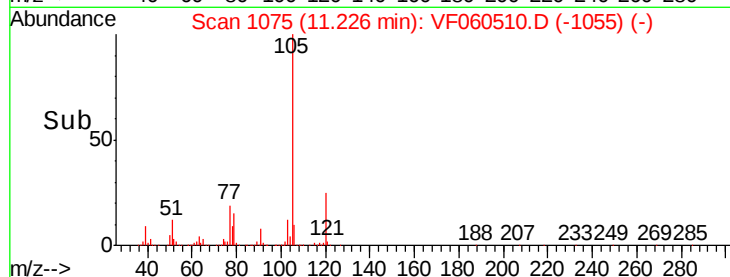
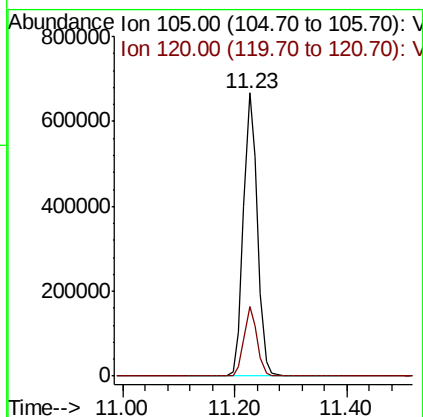
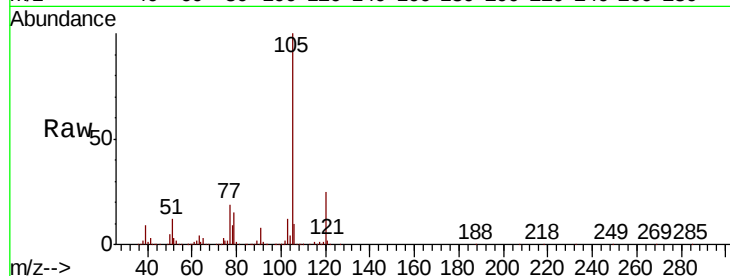
105 100

120 24.6 11.6 34.7

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#74

N-ethyl acetate

Concen: 80.771 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion: 43 Resp: 218778

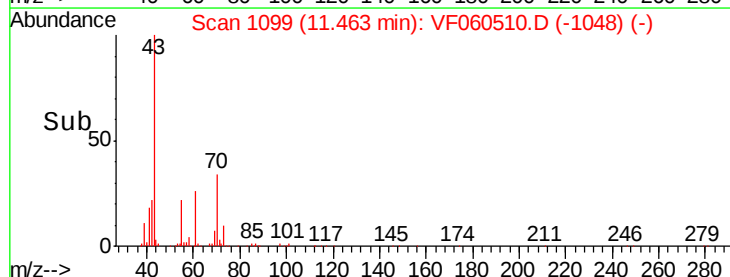
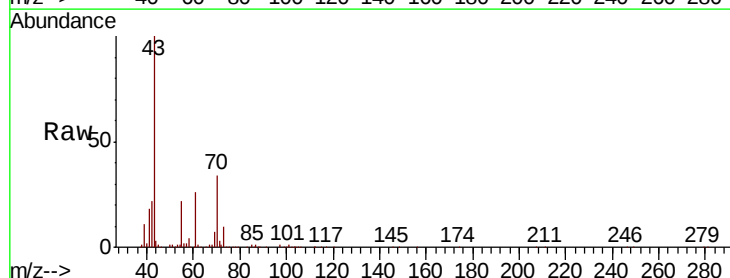
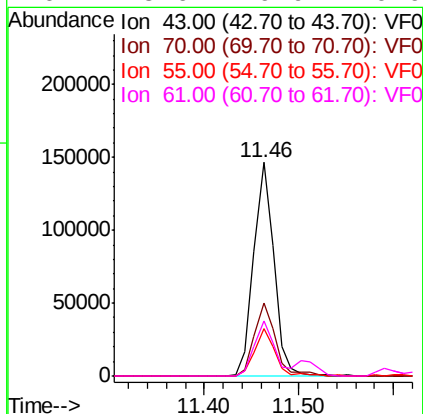
Ion Ratio Lower Upper

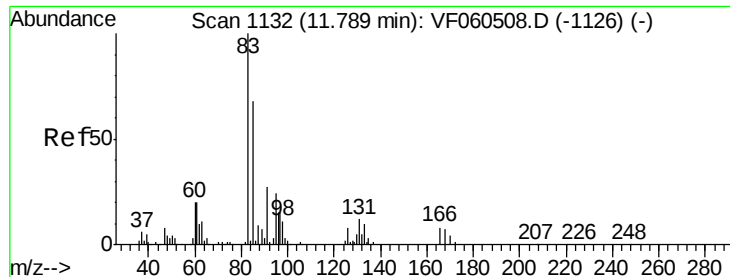
43 100

70 34.1 28.2 42.2

55 22.2 17.9 26.9

61 25.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 94.612 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

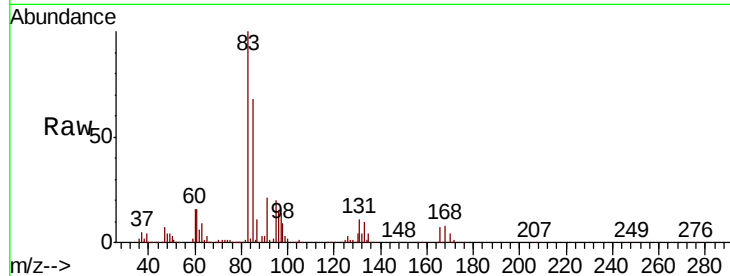
ClientSampleId :

VSTDIC100

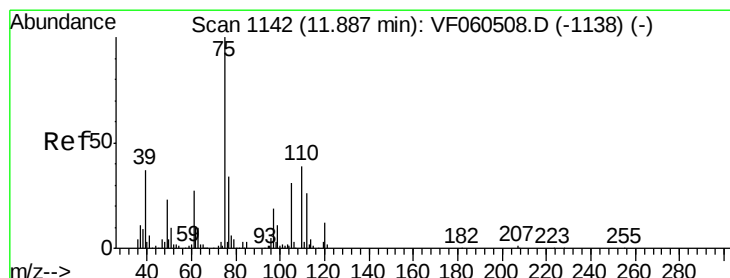
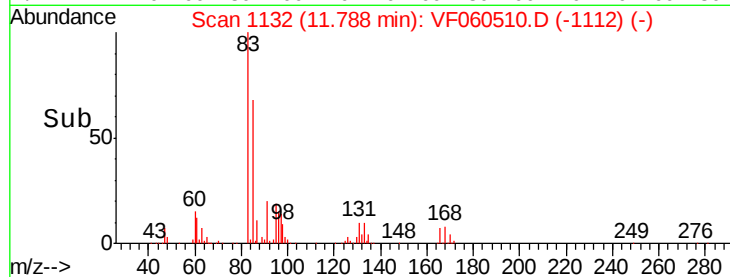
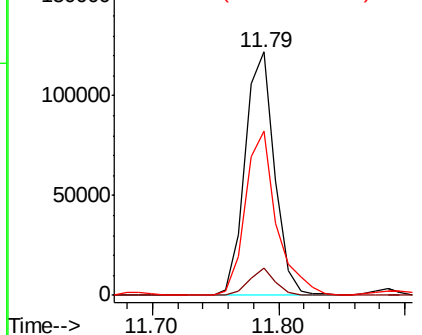
Tot Ion:	83	Resp:	197893
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.8	17.4
85	67.6	34.2	102.6

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



#76

1,2,3-Trichloropropane

Concen: 98.501 ug/l

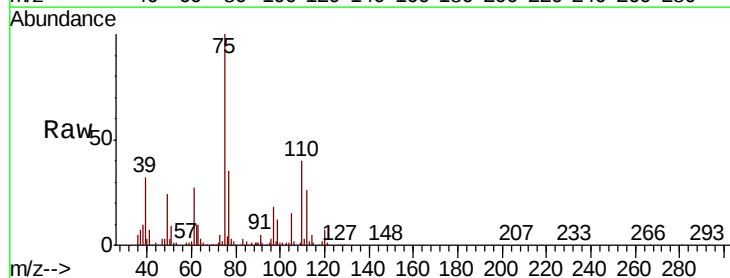
RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

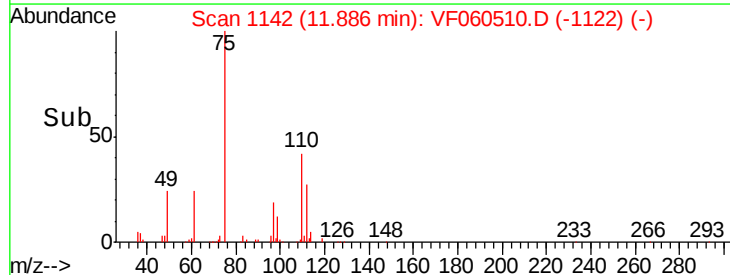
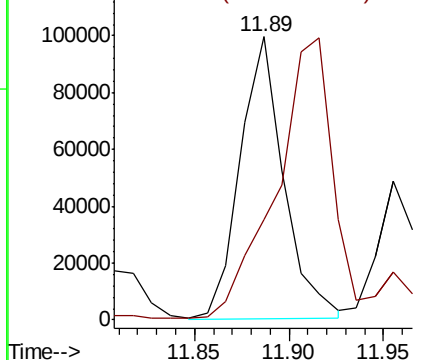
Lab File: VF060510.D

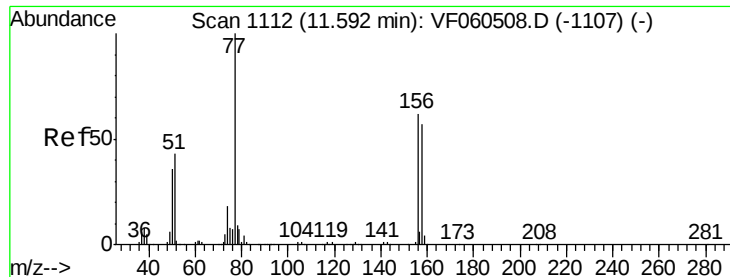
Acq: 25 Oct 2018 16:31

Tgt Ion:	75	Resp:	159271
Ion Ratio	Lower	Upper	
75	100		
77	35.2	17.2	51.5



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





#77

Bromobenzene

Concen: 95.762 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

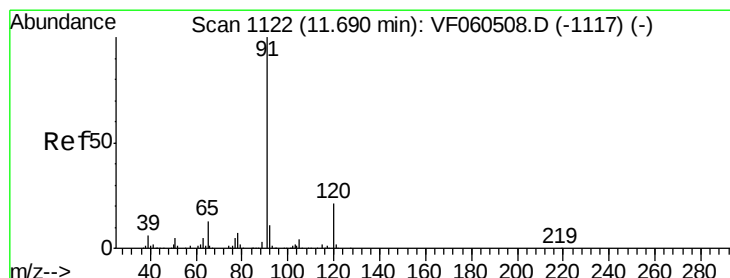
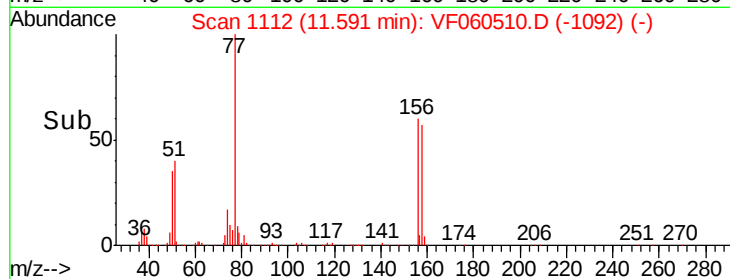
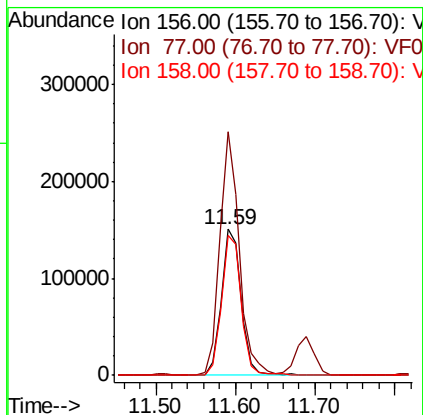
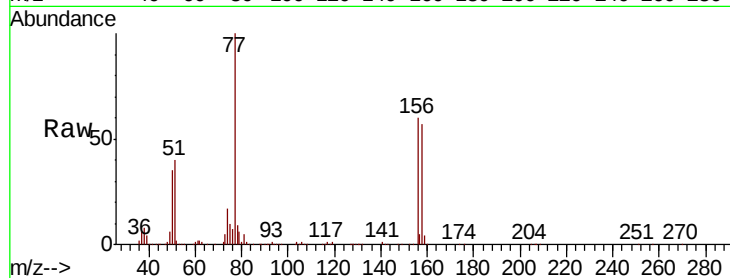
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.6	80.1	240.3
158	95.6	45.9	137.6

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#78

n-propylbenzene

Concen: 93.800 ug/l

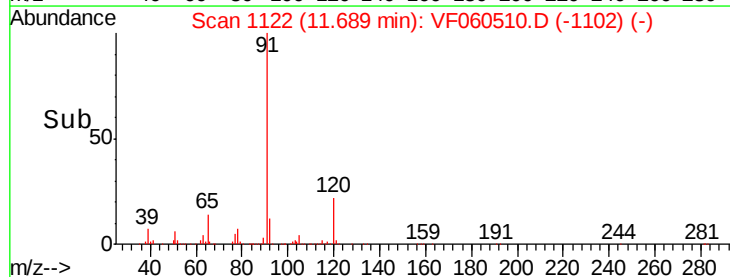
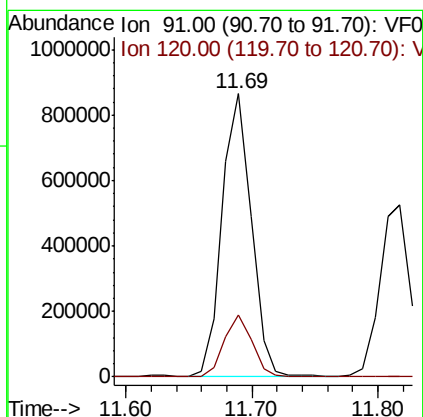
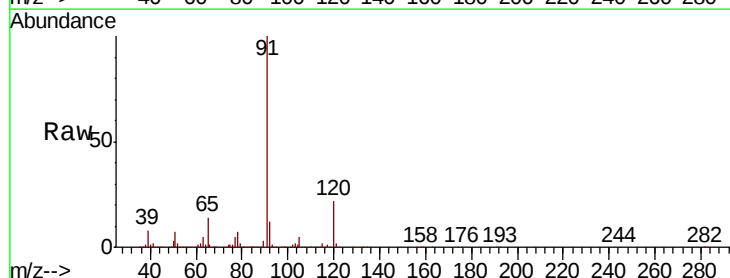
RT: 11.69 min Scan# 1122

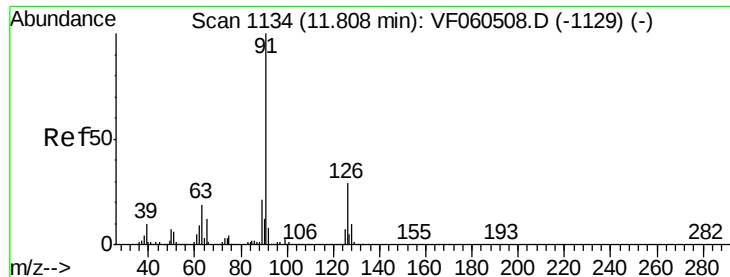
Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.3	30.9





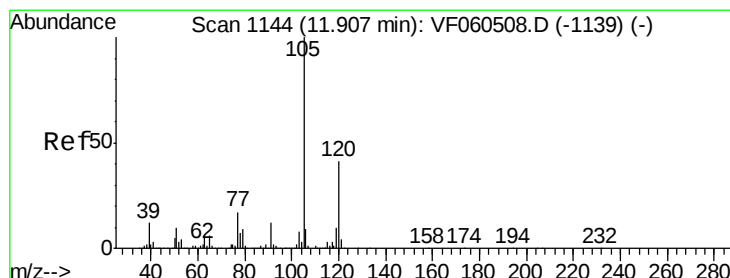
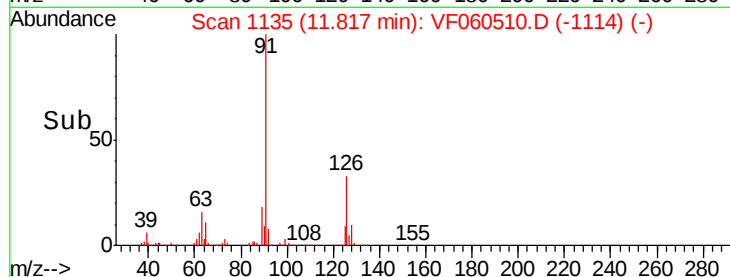
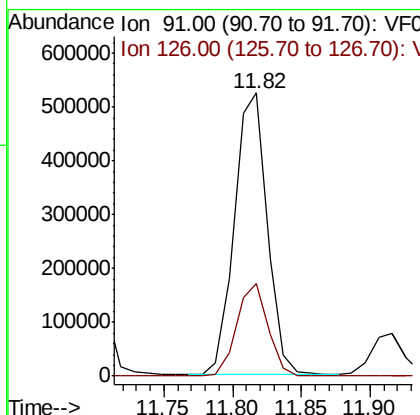
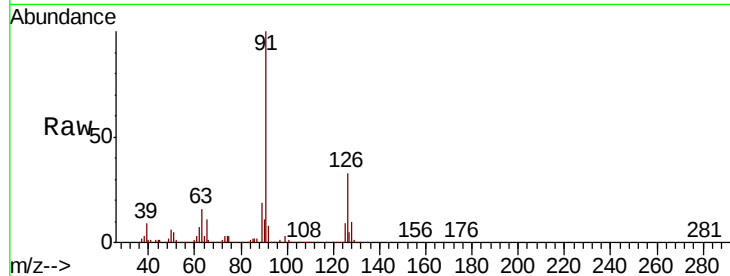
#79
2-Chlorotoluene
Concen: 100.098 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.8	14.4	43.2

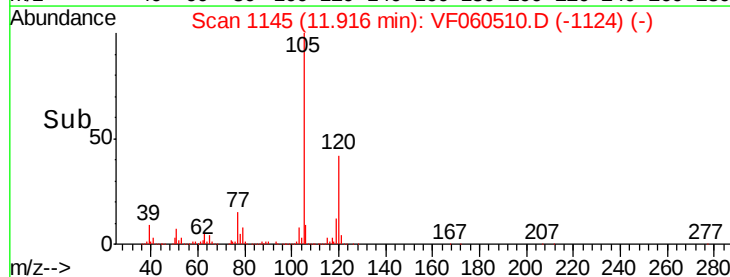
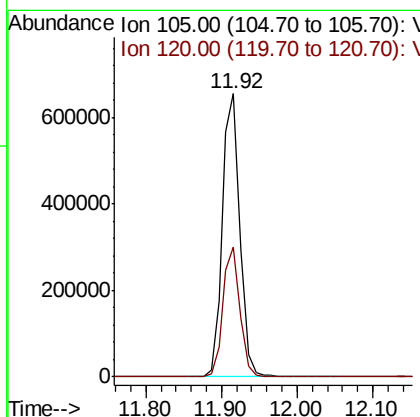
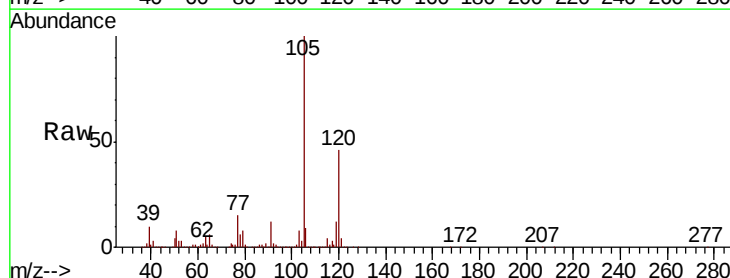
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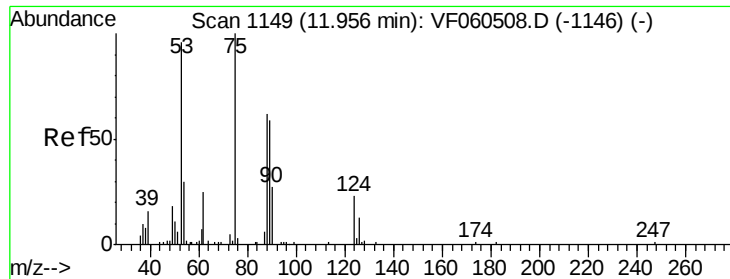
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#80
1,3,5-Trimethylbenzene
Concen: 100.876 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	20.6	61.9





#81

trans-1,4-Dichloro-2-butene

Concen: 103.446 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 72928

Ion Ratio Lower Upper

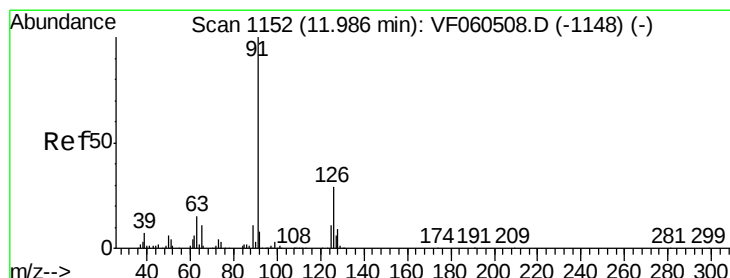
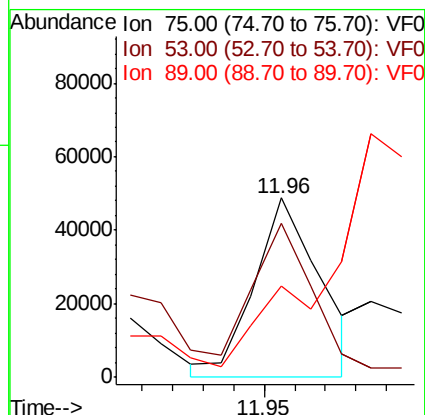
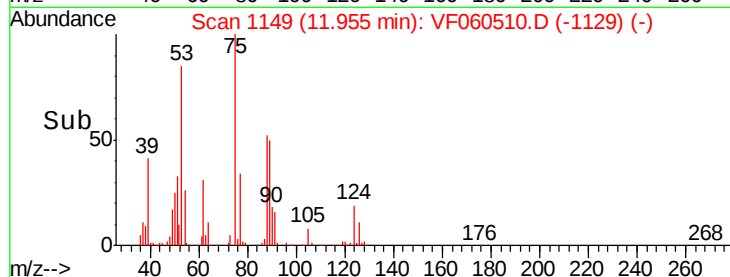
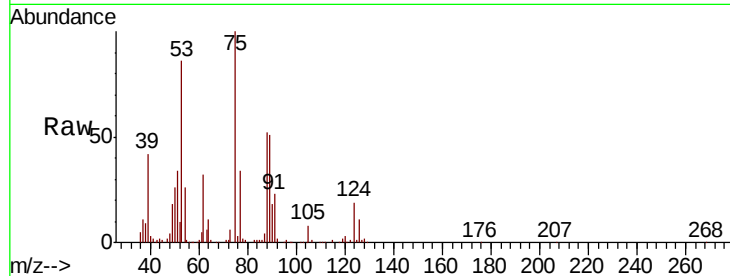
75 100

53 85.6 85.0 127.6

89 50.8 50.2 75.4

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#82

4-Chlorotoluene

Concen: 99.225 ug/l

RT: 11.98 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060510.D

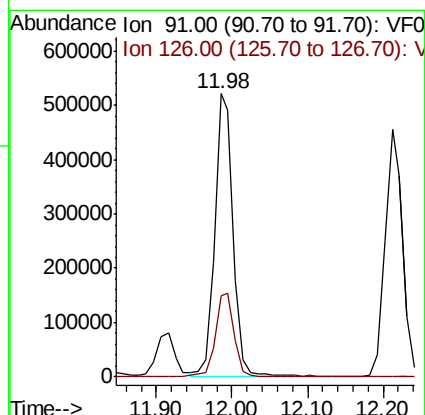
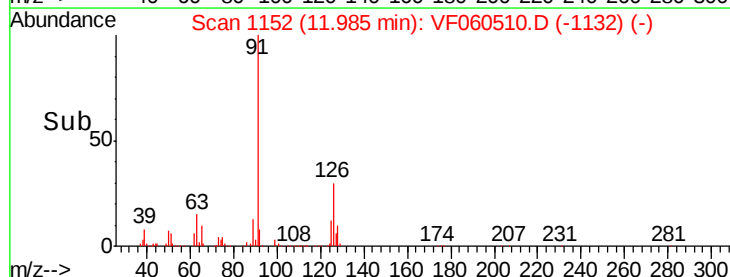
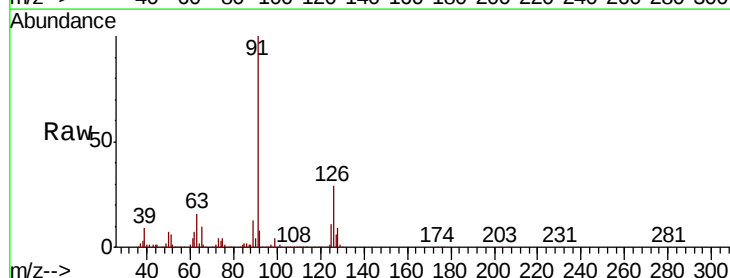
Acq: 25 Oct 2018 16:31

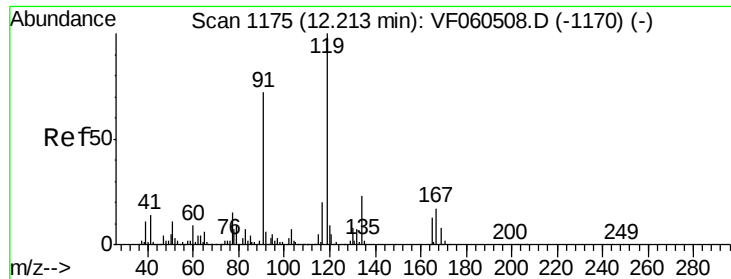
Tgt Ion: 91 Resp: 888244

Ion Ratio Lower Upper

91 100

126 28.9 14.8 44.4





#83

tert-Butylbenzene

Concen: 101.542 ug/l

RT: 12.21 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1065666

Ion Ratio Lower Upper

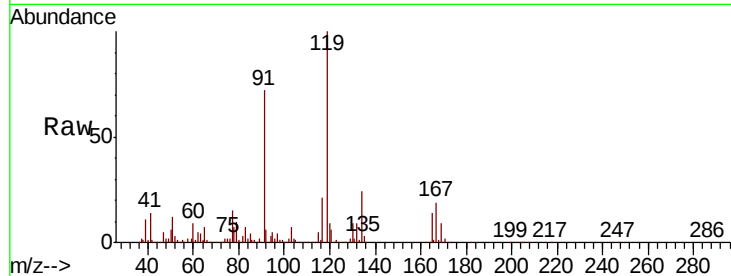
119 100

91 71.9 36.3 108.9

134 23.9 11.4 34.2

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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

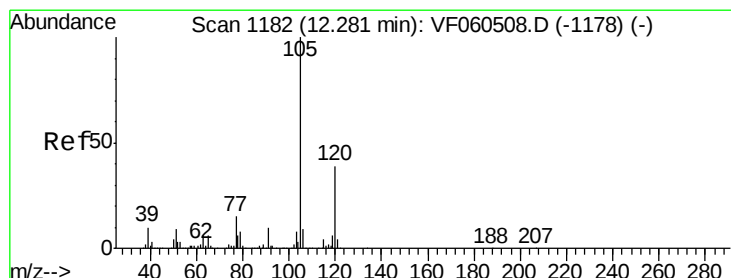
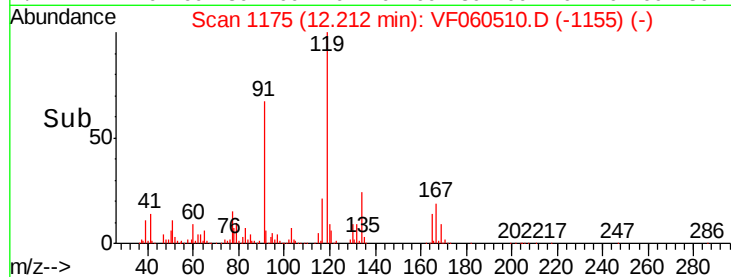
0

12.10

12.20

12.30

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 97.870 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VF060510.D

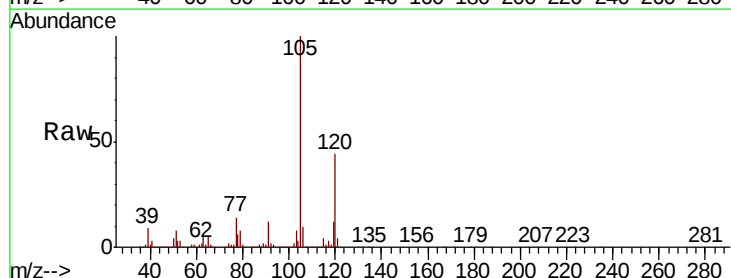
Acq: 25 Oct 2018 16:31

Tgt Ion:105 Resp: 1037341

Ion Ratio Lower Upper

105 100

120 44.1 19.4 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

200000

0

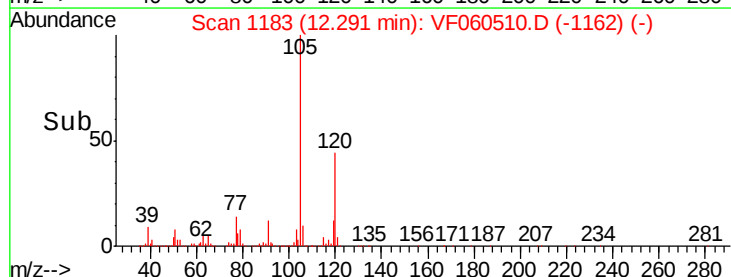
12.20

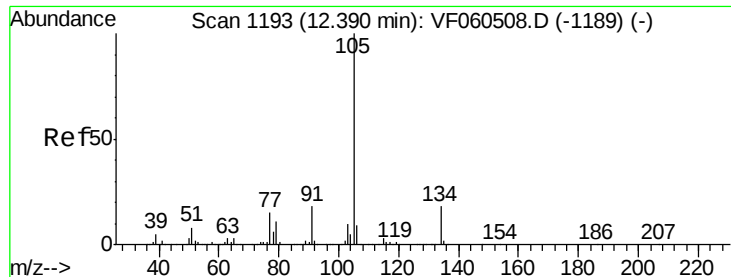
12.25

12.30

12.35

Time-->





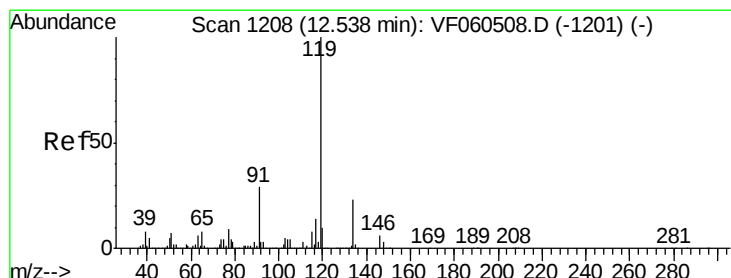
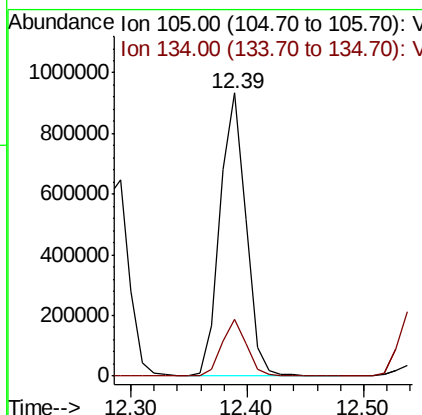
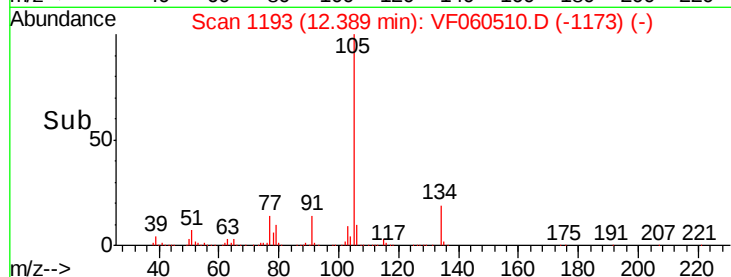
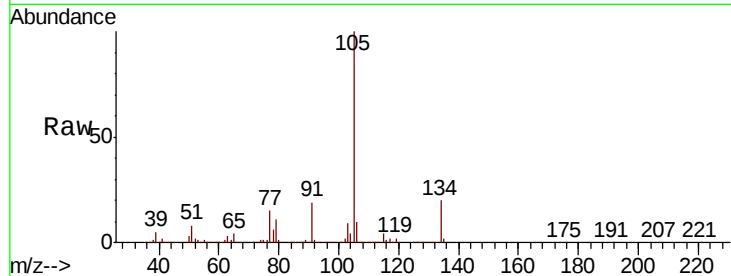
#85
 sec-Butylbenzene
 Concen: 100.818 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1435009
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.2 27.4

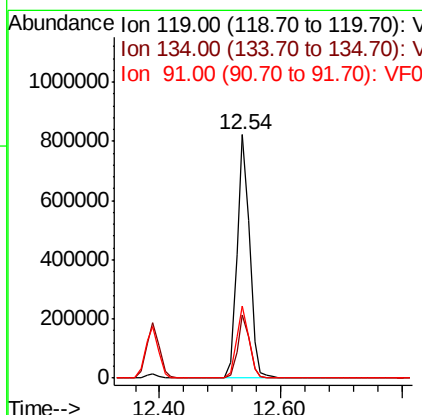
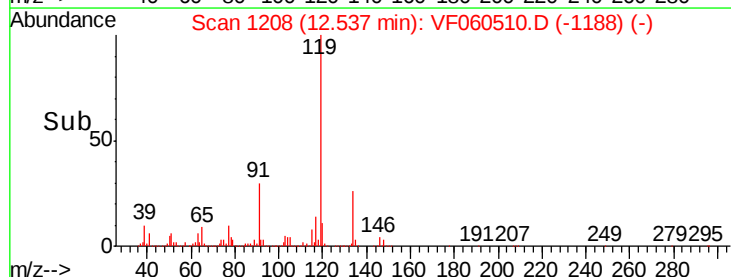
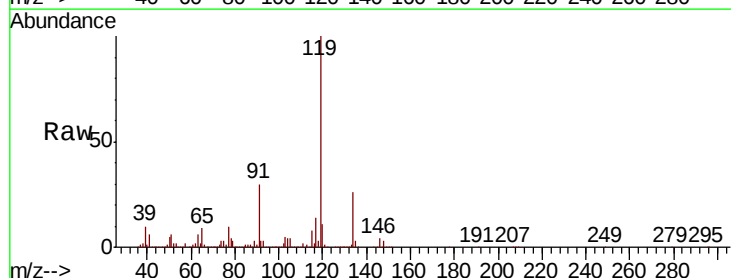
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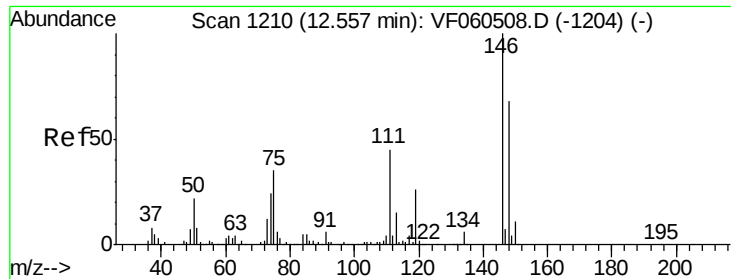
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#86
 p-Isopropyltoluene
 Concen: 100.781 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion:119 Resp: 1177600
 Ion Ratio Lower Upper
 119 100
 134 25.7 11.7 35.0
 91 29.7 14.4 43.4





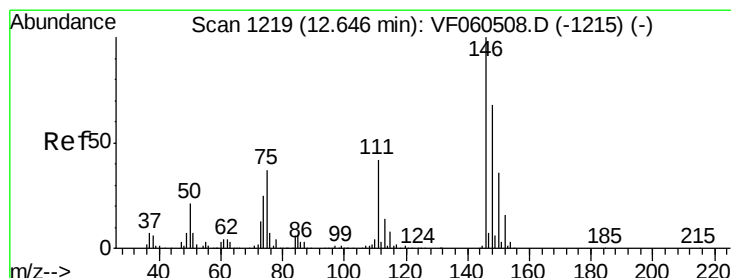
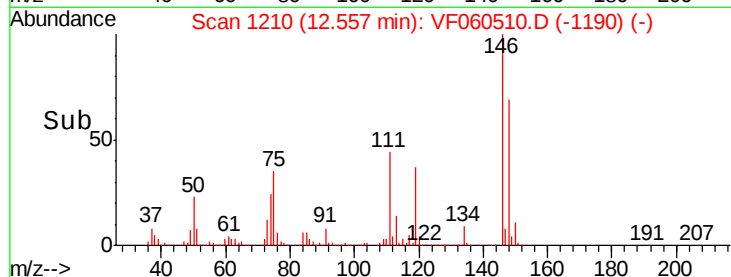
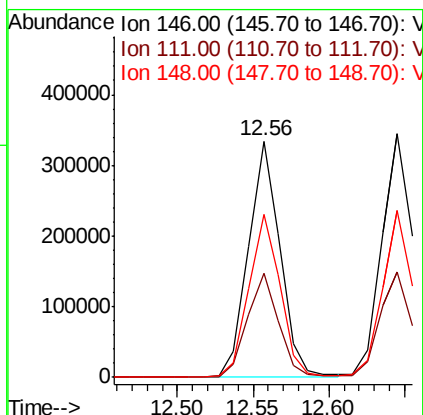
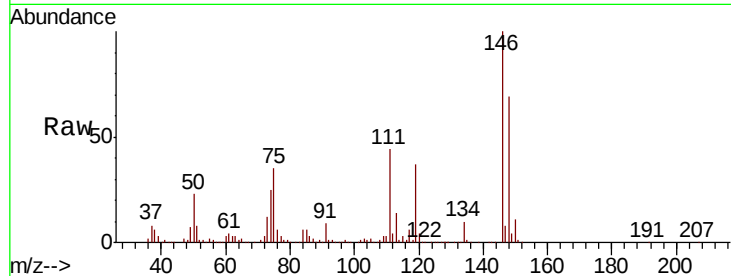
#87
 1,3-Dichlorobenzene
 Concen: 92.920 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.3	66.8
148	68.9	34.1	102.3

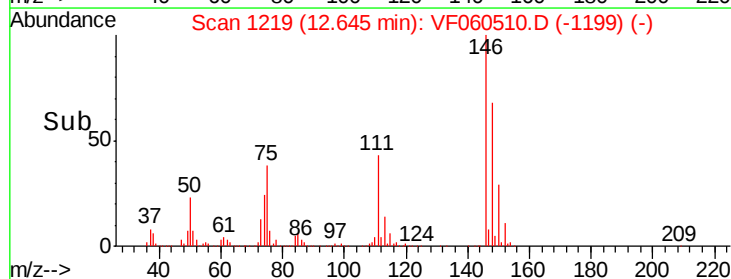
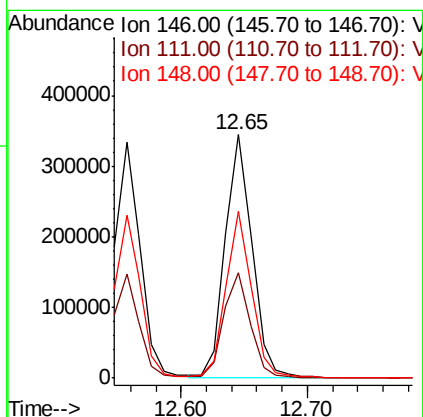
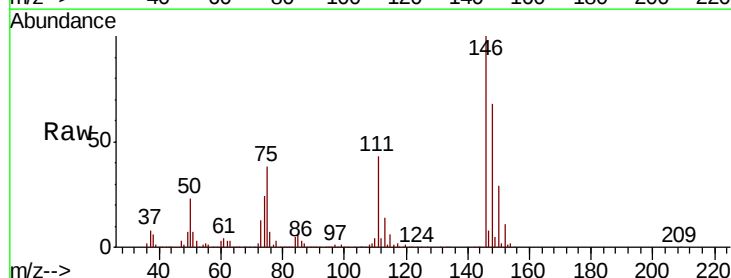
Manual Integrations
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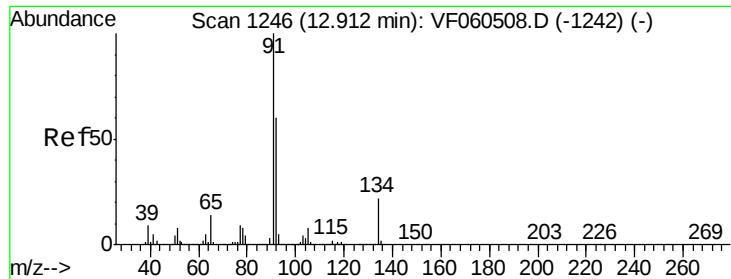
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#88
 1,4-Dichlorobenzene
 Concen: 99.034 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.3
148	68.3	33.9	101.7





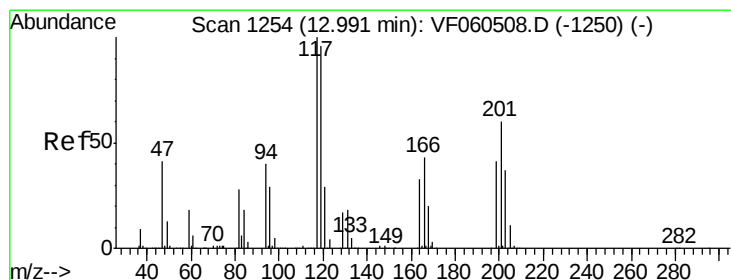
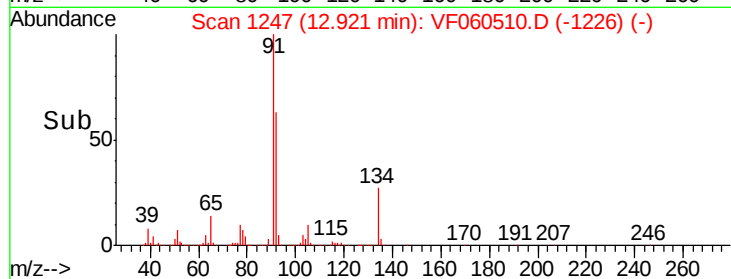
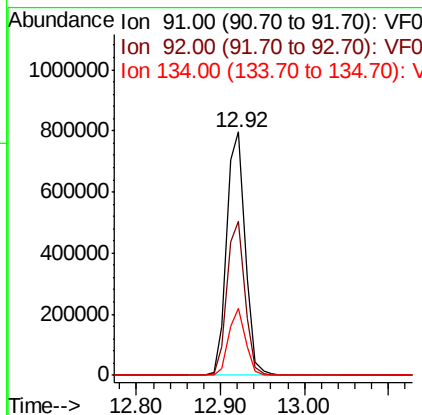
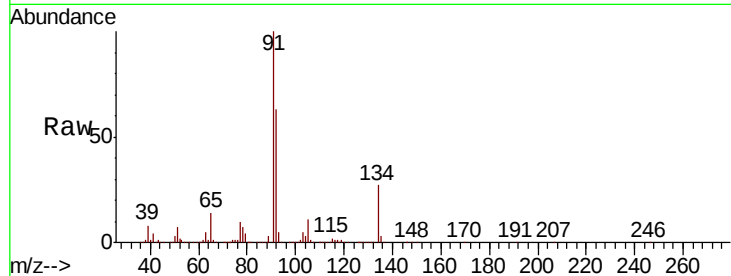
#89
n-Butylbenzene
Concen: 99.346 ug/l
RT: 12.92 min Scan# 1247
Delta R.T. 0.01 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.0	29.8	89.3
134	27.4	10.9	32.7

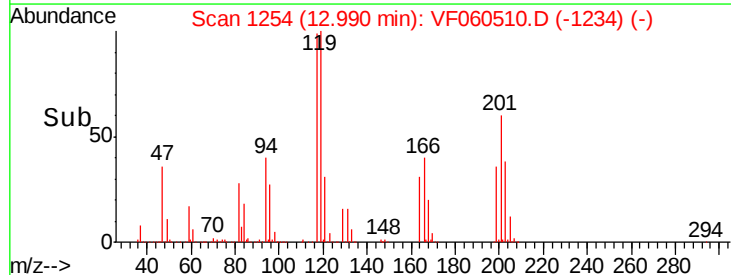
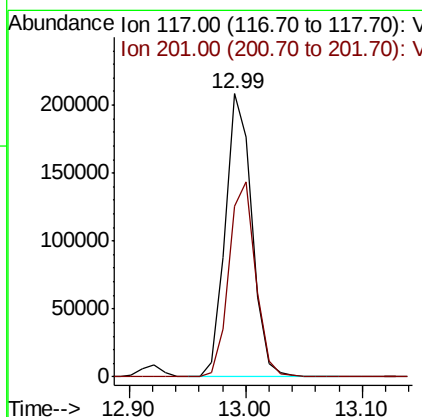
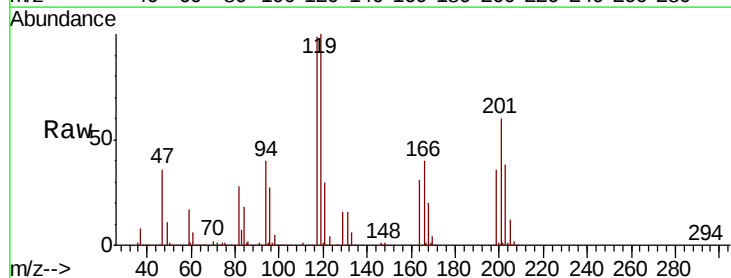
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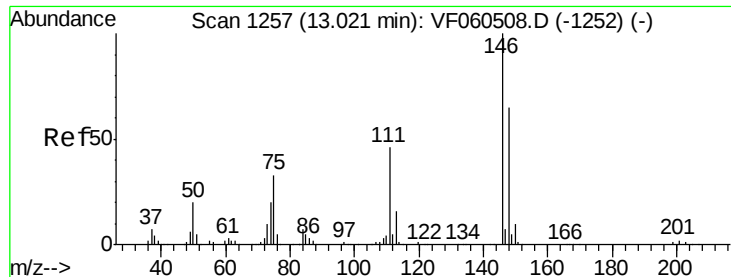
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#90
Hexachloroethane
Concen: 118.057 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.3	30.1	90.5





#91

1,2-Dichlorobenzene

Concen: 95.136 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Instrument :

MSVOA_F

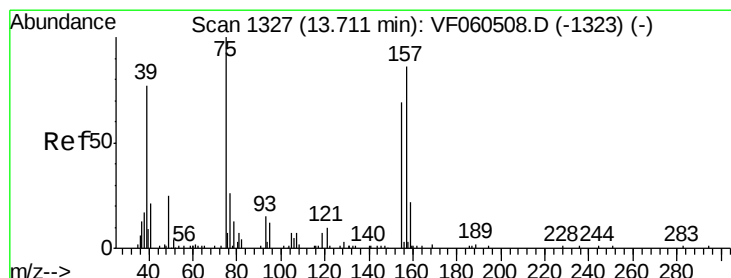
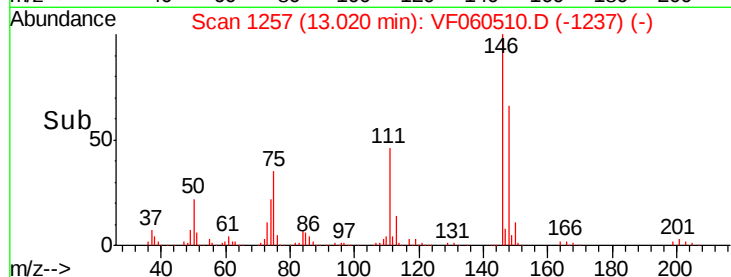
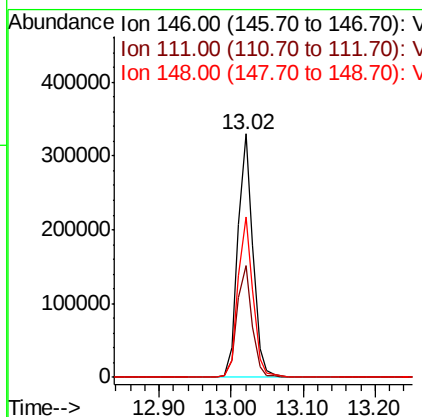
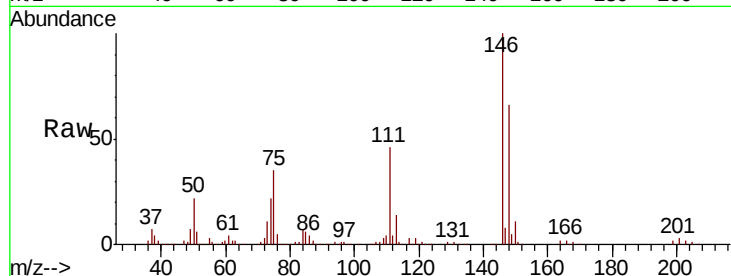
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	482417
Ion Ratio		Lower	Upper
146	100		
111	46.2	22.8	68.4
148	65.6	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 112.574 ug/l

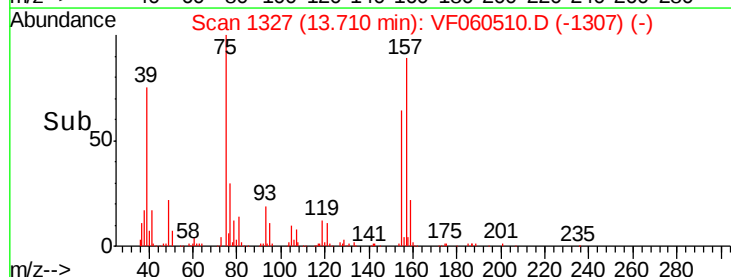
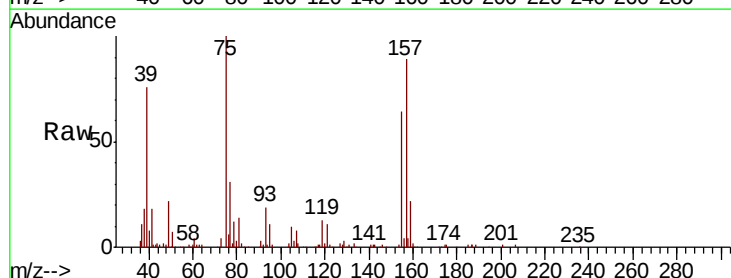
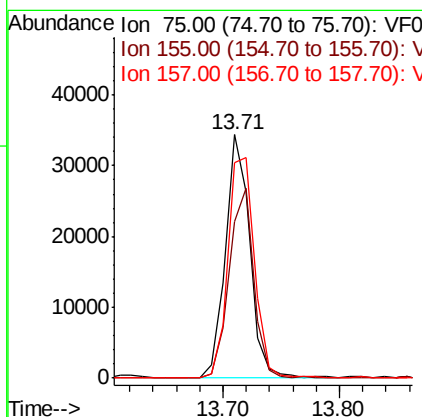
RT: 13.71 min Scan# 1327

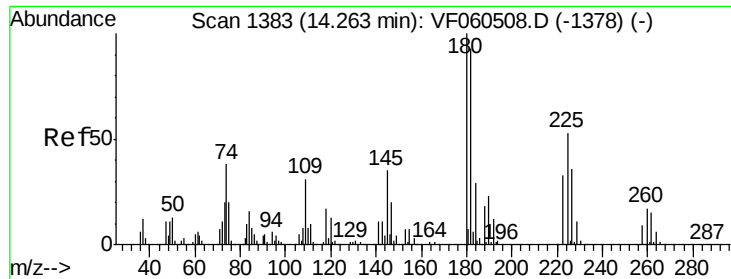
Delta R.T. -0.00 min

Lab File: VF060510.D

Acq: 25 Oct 2018 16:31

Tgt Ion:	75	Resp:	49977
Ion Ratio		Lower	Upper
75	100		
155	68.2	34.7	104.1
157	88.6	42.9	128.5





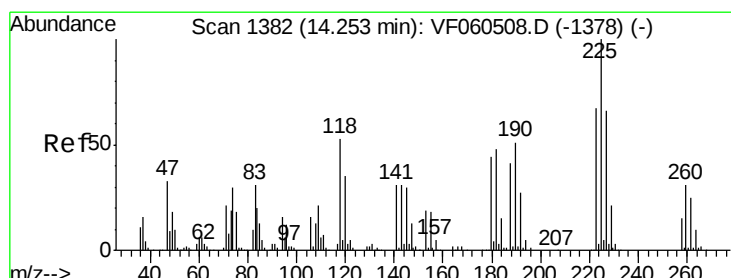
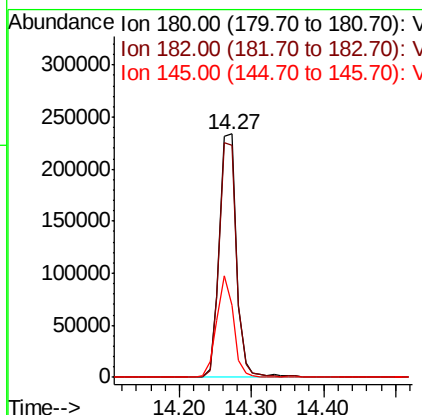
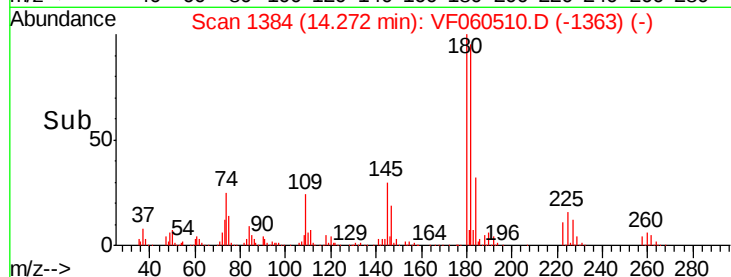
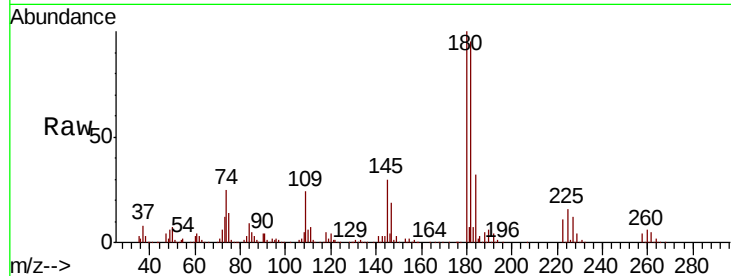
#93
 1,2,4-Trichlorobenzene
 Concen: 98.705 ug/l
 RT: 14.27 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	386522		
182	95.4	46.7	140.0	
145	29.8	17.3	52.0	

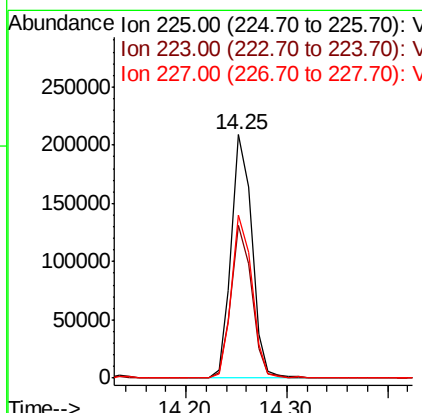
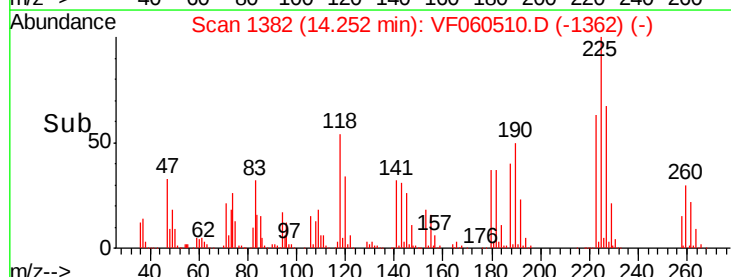
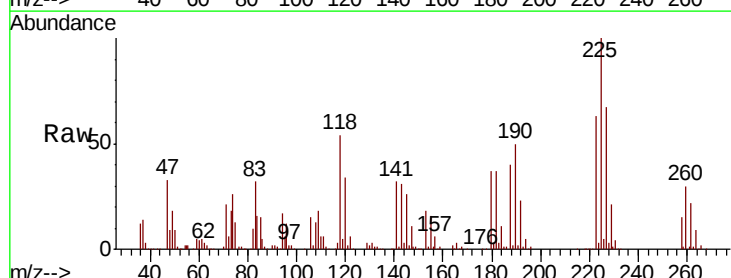
Manual Integrations
 APPROVED

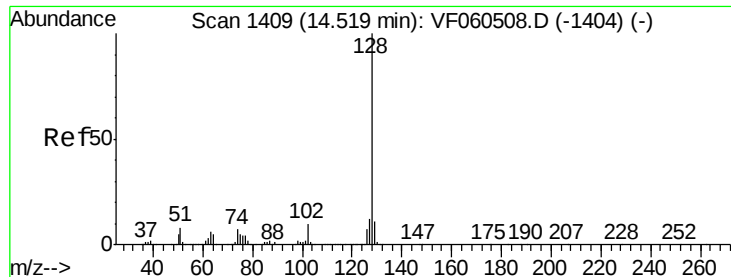
apatel
 10/26/2018 10:27:55 AM



#94
 Hexachlorobutadiene
 Concen: 112.815 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060510.D
 Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	300349		
223	62.9	33.4	100.2	
227	66.7	32.9	98.6	





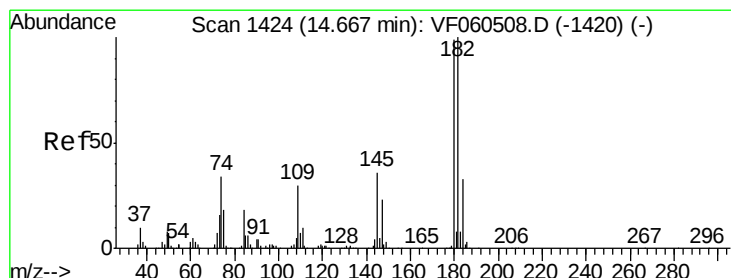
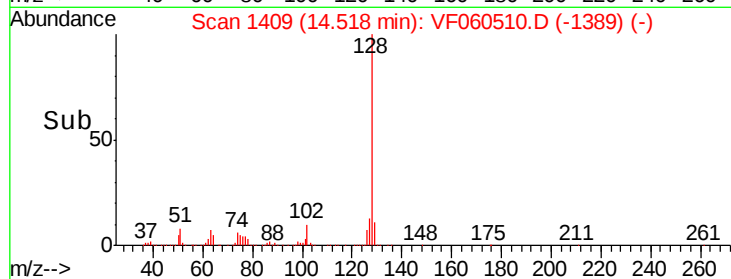
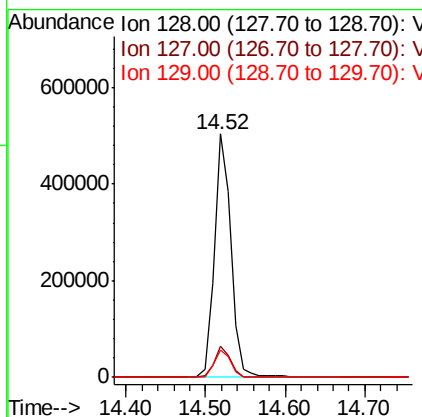
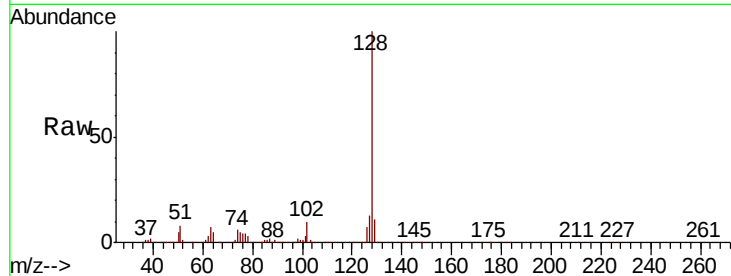
#95
Naphthalene
Concen: 110.605 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	744553		
127	12.7	10.0	15.0	
129	11.4	8.9	13.3	

Manual Integrations
APPROVED

apatel
10/26/2018 10:27:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 106.640 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060510.D
Acq: 25 Oct 2018 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	389056		
182	96.8	50.7	152.1	
145	33.1	18.1	54.4	

