

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100118\
 Data File : VF060392.D
 Acq On : 1 Oct 2018 19:37
 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
 10/2/2018 12:29:42 PM

Quant Time: Oct 02 00:35:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 00:00:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	266940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	433766	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	399712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	209955	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	393455	105.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.14%	
35) Dibromofluoromethane	4.27	113	394620	100.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.20%	
50) Toluene-d8	7.69	98	958908	94.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.48%	
62) 4-Bromofluorobenzene	11.49	95	431677	97.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	546281	106.846	ug/l	99
3) Chloromethane	1.12	50	346045	93.171	ug/l	100
4) Vinyl Chloride	1.17	62	361225	94.977	ug/l	98
5) Bromomethane	1.35	94	273548	103.703	ug/l	99
6) Chloroethane	1.42	64	178667	98.044	ug/l	99
7) Trichlorofluoromethane	1.53	101	823532	111.514	ug/l	99
8) Diethyl Ether	1.69	74	116217	99.473	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.88	101	384529	100.690	ug/l	97
10) Methyl Iodide	1.95	142	625887	102.638	ug/l	95
11) Tert butyl alcohol	2.67	59	126233	526.815	ug/l #	88
12) 1,1-Dichloroethene	1.84	96	304866	98.489	ug/l	95
13) Acrolein	2.08	56	97560	711.340	ug/l	92
14) Allyl chloride	2.18	41	548456	102.515	ug/l	93
15) Acrylonitrile	3.05	53	208049	414.364	ug/l	92
16) Acetone	2.33	43	402280	400.340	ug/l	94
17) Carbon Disulfide	1.88	76	938831	98.627	ug/l	99
18) Methyl Acetate	2.43	43	150796	87.556	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	751893	96.756	ug/l	96
20) Methylene Chloride	2.31	84	302010m	83.344	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	314335	97.810	ug/l	97
22) Diisopropyl ether	2.91	45	892017	89.117	ug/l #	93
23) Vinyl Acetate	3.31	43	1729817	437.852	ug/l #	96
24) 1,1-Dichloroethane	2.98	63	599994	90.881	ug/l	98
25) 2-Butanone	4.47	43	485076	371.042	ug/l	94
26) 2,2-Dichloropropane	3.73	77	325722	87.466	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	337965	82.607	ug/l	97
28) Bromochloromethane	3.86	49	213325	83.013	ug/l	99
29) Tetrahydrofuran	4.23	42	199519	406.029	ug/l	99
30) Chloroform	4.01	83	729781	92.141	ug/l	98
31) Cyclohexane	3.83	56	410944	75.413	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	618847	97.514	ug/l	100
36) 1,1-Dichloropropene	4.43	75	513512	94.135	ug/l	98
37) Ethyl Acetate	4.26	43	204149	90.570	ug/l #	95
38) Carbon Tetrachloride	4.14	117	641539m	104.473	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	491890	85.813	ug/l	97
40) Benzene	4.78	78	989333	82.459	ug/l	99
41) Methacrylonitrile	4.89	41	104916	86.769	ug/l	92
42) 1,2-Dichloroethane	5.09	62	494909	106.547	ug/l	98
43) Isopropyl Acetate	7.09	43	257052	94.632	ug/l	100
44) Trichloroethene	5.65	130	316306	88.003	ug/l	95
45) 1,2-Dichloropropane	6.38	63	270511	86.543	ug/l	93
46) Dibromomethane	6.23	93	219452	96.110	ug/l	91
47) Bromodichloromethane	6.52	83	545772	98.982	ug/l	99
48) Methyl methacrylate	6.85	41	179409	92.861	ug/l	97
49) 1,4-Dioxane	6.84	88	31056	1816.349	ug/l #	81
51) 4-Methyl-2-Pentanone	8.38	43	826751	405.444	ug/l	96
52) Toluene	7.76	92	671653	87.725	ug/l	94
53) t-1,3-Dichloropropene	8.41	75	417864	95.066	ug/l	100
54) cis-1,3-Dichloropropene	7.43	75	486337	88.178	ug/l	96
55) 1,1,2-Trichloroethane	8.61	97	226498	97.501	ug/l	93
56) Ethyl methacrylate	8.73	69	261222	93.004	ug/l	97
57) 1,3-Dichloropropane	8.98	76	381468	98.748	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	123548	485.305	ug/l	100
59) 2-Hexanone	9.61	43	598896	415.367	ug/l	97
60) Dibromochloromethane	8.84	129	353125	100.864	ug/l	98
61) 1,2-Dibromoethane	9.11	107	248637	95.050	ug/l	96
64) Tetrachloroethene	8.28	164	293145	82.153	ug/l	96
65) Chlorobenzene	9.92	112	792584	88.478	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.04	131	330346	87.574	ug/l	99
67) Ethyl Benzene	10.01	91	1392814	83.713	ug/l	96
68) m/p-Xylenes	10.25	106	966362	168.268	ug/l	90
69) o-Xylene	10.81	106	546357	85.006	ug/l	92
70) Styrene	10.88	104	750519	83.022	ug/l	100
71) Bromoform	10.87	173	190282	92.496	ug/l #	93
73) Isopropylbenzene	11.21	105	1512971	81.625	ug/l	96
74) N-amyl acetate	11.44	43	390894	97.345	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	292212	88.811	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	219629	92.264	ug/l	91
77) Bromobenzene	11.58	156	343979	85.900	ug/l	94
78) n-propylbenzene	11.67	91	1818192	82.603	ug/l	97
79) 2-Chlorotoluene	11.80	91	1077963	84.922	ug/l	91
80) 1,3,5-Trimethylbenzene	11.90	105	1259166	83.993	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.95	75	96449m	77.651	ug/l	
82) 4-Chlorotoluene	11.98	91	1124565	88.562	ug/l	95
83) tert-Butylbenzene	12.20	119	1270278	83.346	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	1290299	84.297	ug/l	99
85) sec-Butylbenzene	12.37	105	1742164	83.011	ug/l	99
86) p-Isopropyltoluene	12.53	119	1370529	82.053	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	638184	84.878	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	620458	83.838	ug/l	95
89) n-Butylbenzene	12.90	91	1484028	83.424	ug/l	96
90) Hexachloroethane	12.98	117	386219	90.036	ug/l	75
91) 1,2-Dichlorobenzene	13.01	146	624722	86.800	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	63571	102.044	ug/l	97

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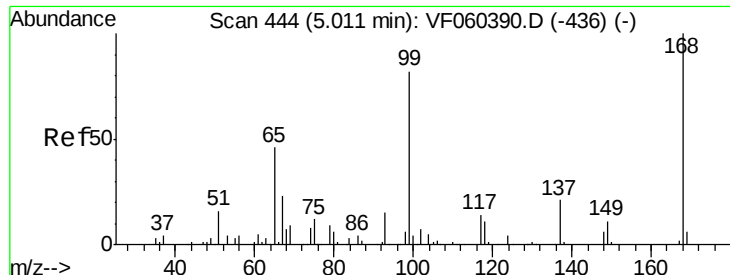
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	474845	90.374	ug/l	96
94) Hexachlorobutadiene	14.24	225	331621	93.456	ug/l	95
95) Naphthalene	14.51	128	943596	101.687	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	461072	95.165	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

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Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 266940

Ion Ratio Lower Upper

168 100

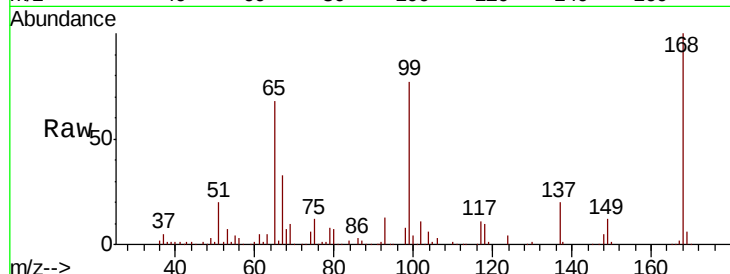
99 76.8 65.3 97.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

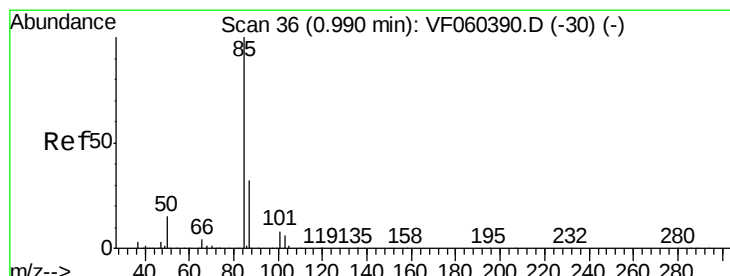
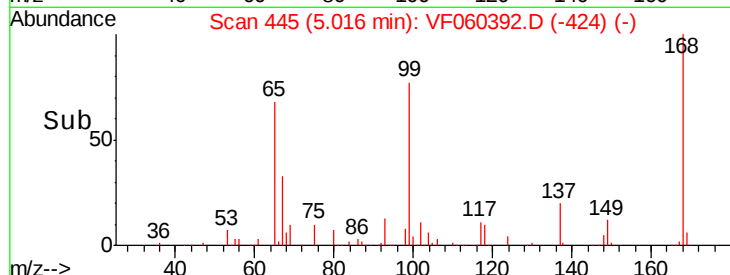
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 106.846 ug/l

RT: 0.98 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060392.D

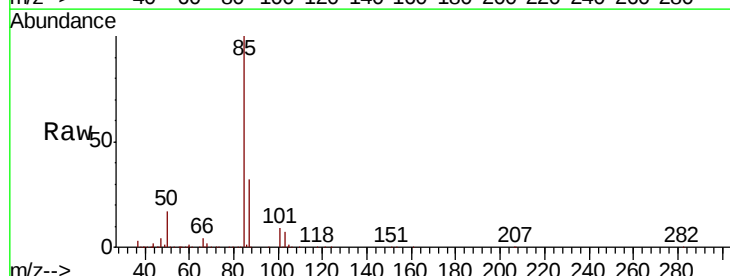
Acq: 1 Oct 2018 19:37

Tgt Ion: 85 Resp: 546281

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

200000

150000

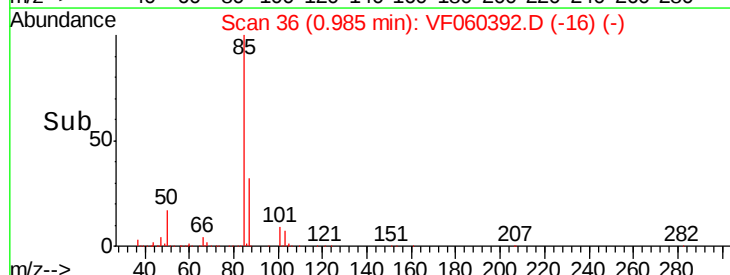
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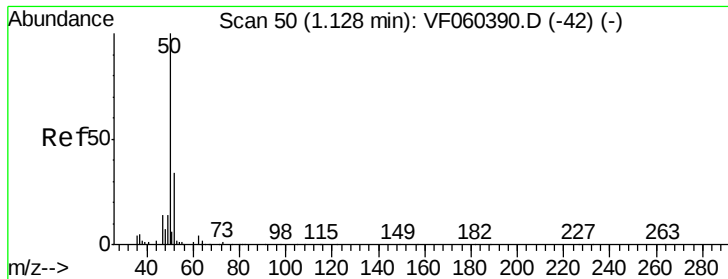
50000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 93.171 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 346045

Ion Ratio Lower Upper

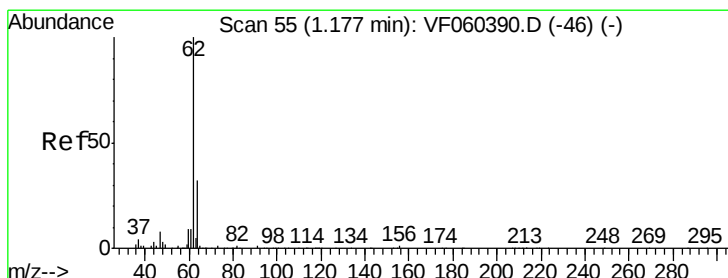
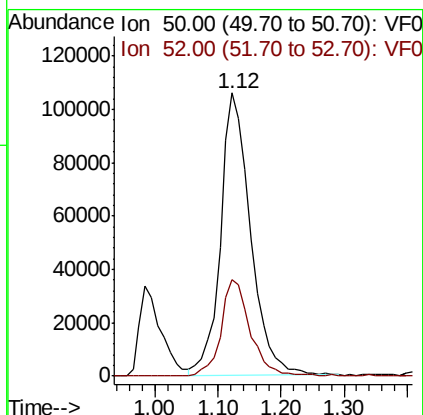
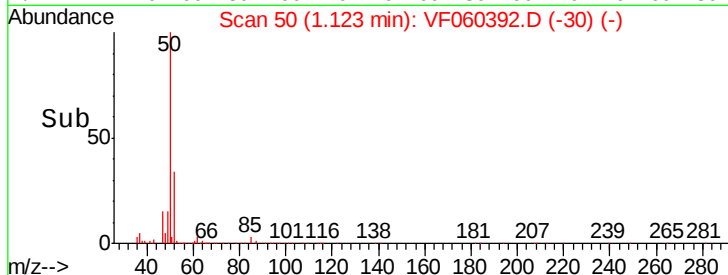
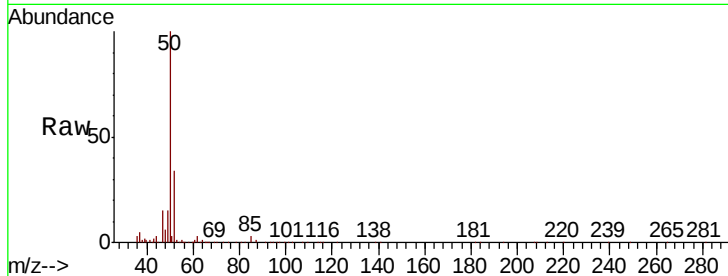
50 100

52 33.9 26.9 40.3

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#4

Vinyl Chloride

Concen: 94.977 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060392.D

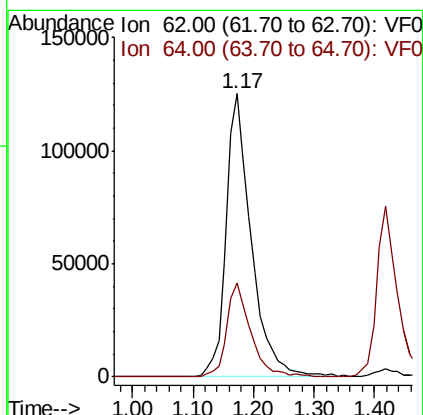
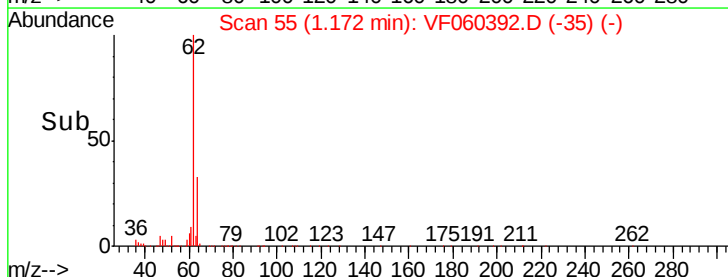
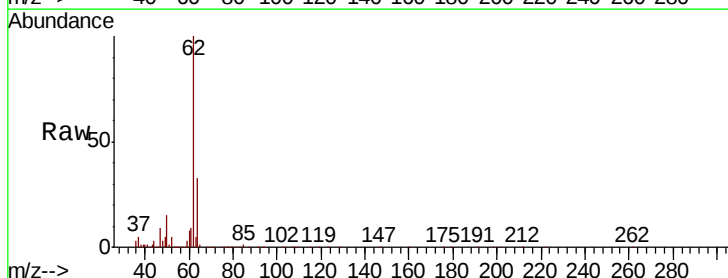
Acq: 1 Oct 2018 19:37

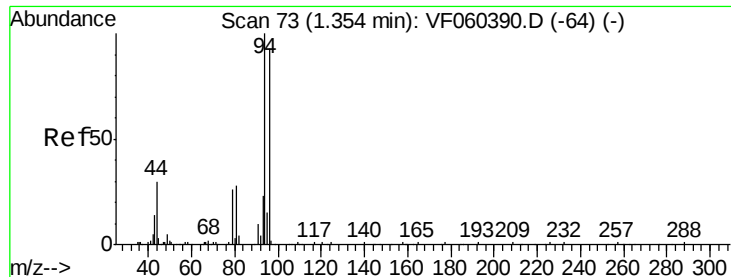
Tgt Ion: 62 Resp: 361225

Ion Ratio Lower Upper

62 100

64 33.3 25.8 38.6





#5

Bromomethane

Concen: 103.703 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 273548

Ion Ratio Lower Upper

94 100

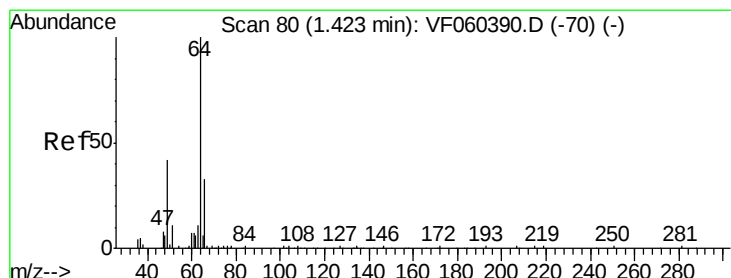
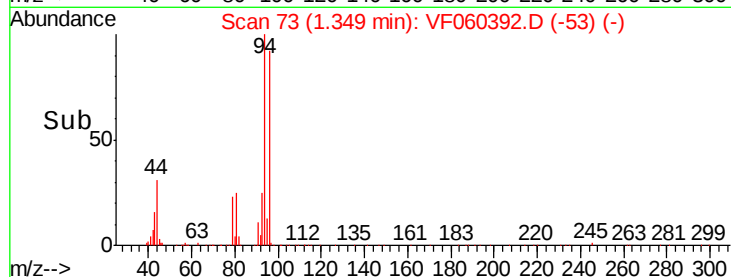
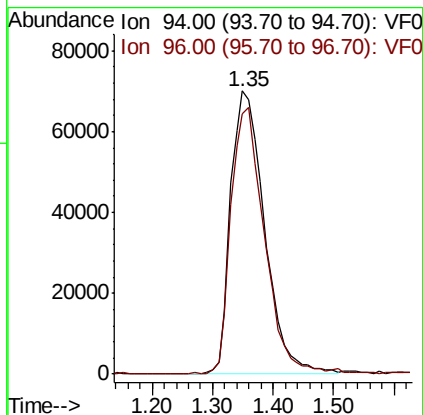
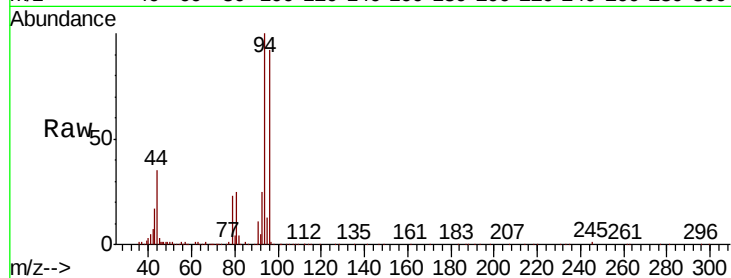
96 92.1 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 98.044 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060392.D

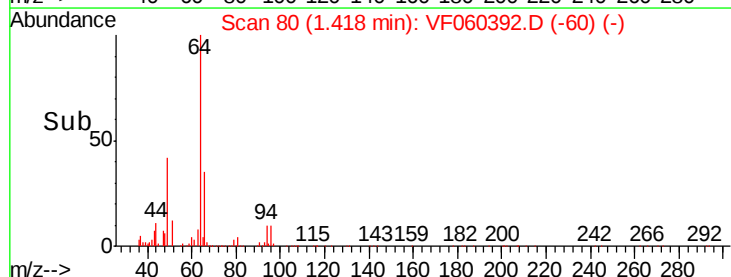
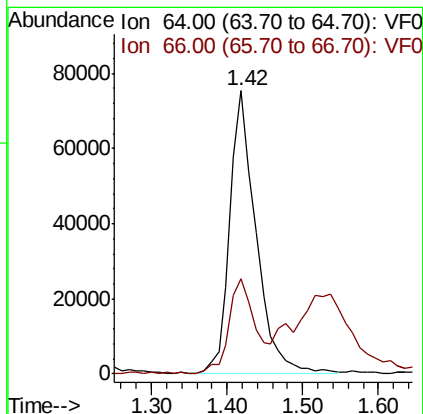
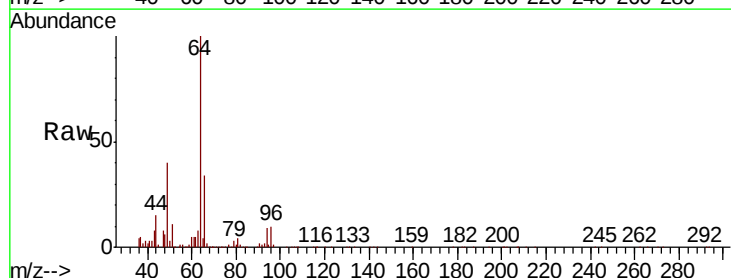
Acq: 1 Oct 2018 19:37

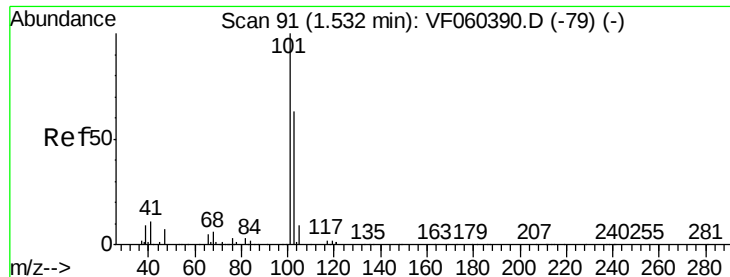
Tgt Ion: 64 Resp: 178667

Ion Ratio Lower Upper

64 100

66 33.7 26.3 39.5





#7

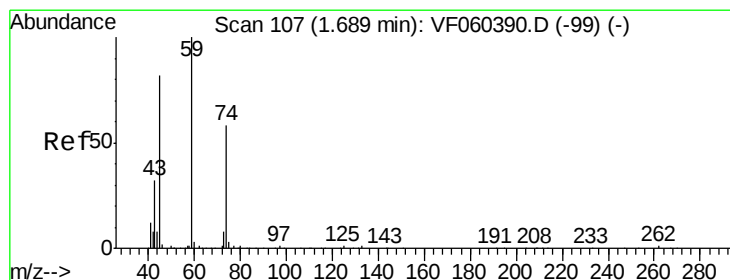
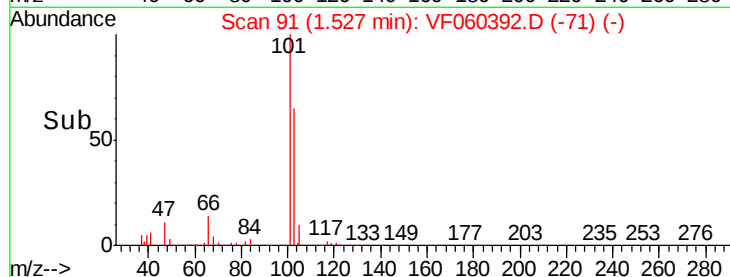
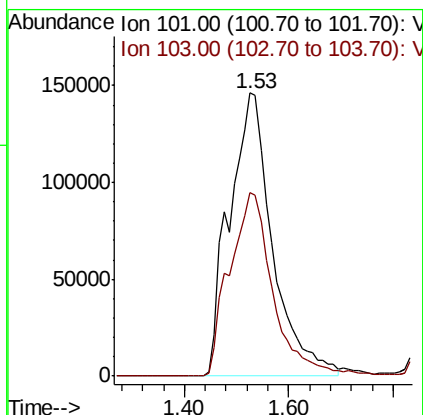
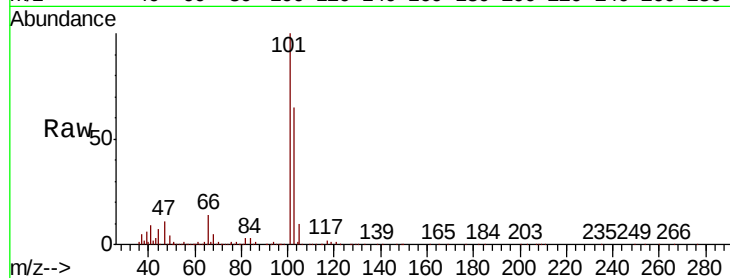
Trichlorofluoromethane
Concen: 111.514 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	823532		
103	103	64.8	51.0	76.4	

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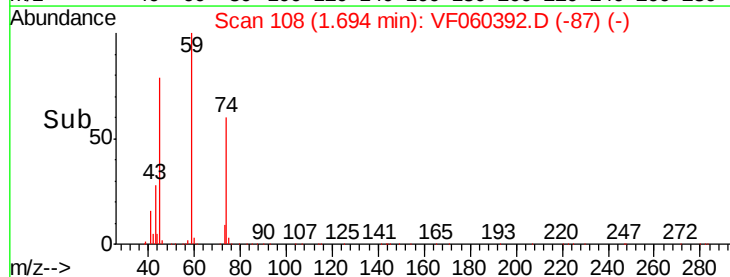
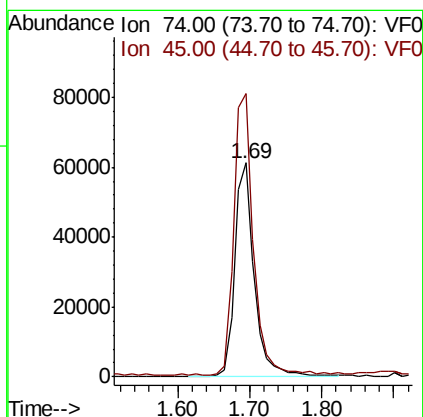
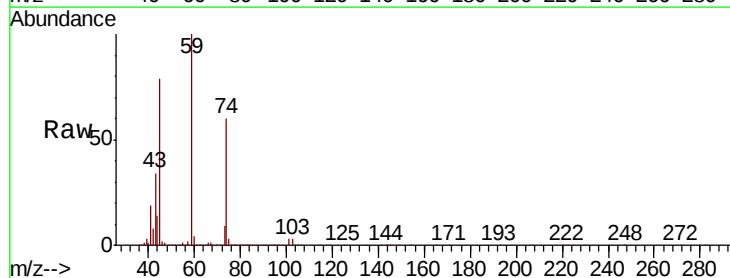
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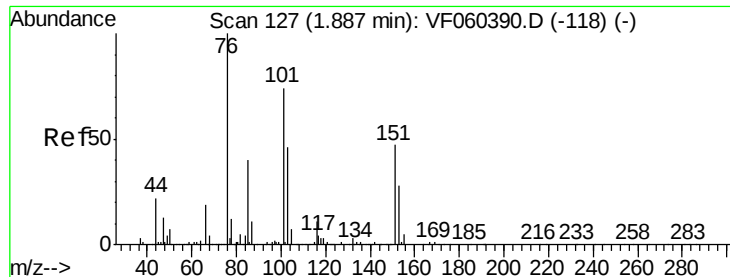


#8

Diethyl Ether
Concen: 99.473 ug/l
RT: 1.69 min Scan# 108
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	116217		
45	45	132.3	71.3	213.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.690 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.00 min

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Instrument :

MSVOA_F

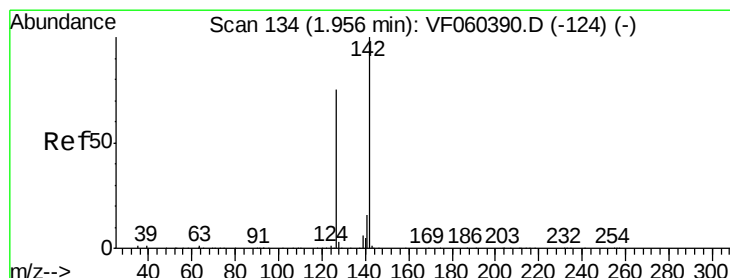
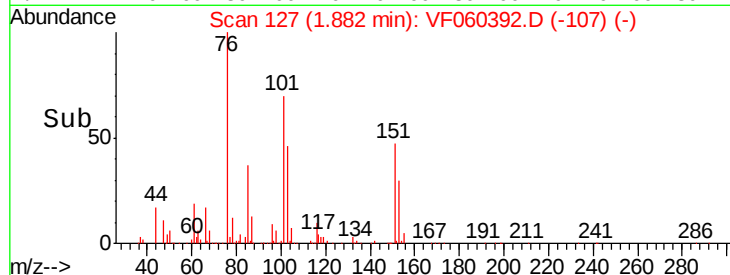
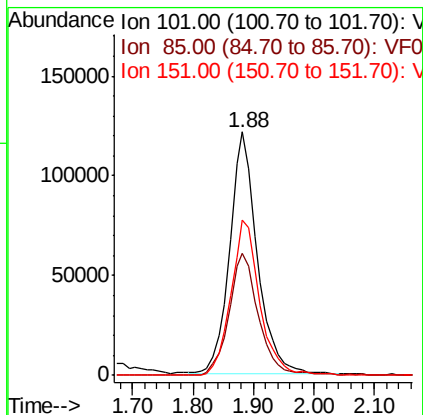
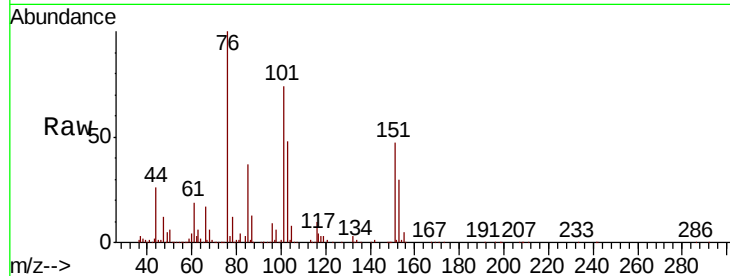
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	384529
Ion Ratio	Lower	Upper	
101	100		
85	50.3	42.5	63.7
151	64.0	49.8	74.8

Manual Integrations
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#10

Methyl Iodide

Concen: 102.638 ug/l

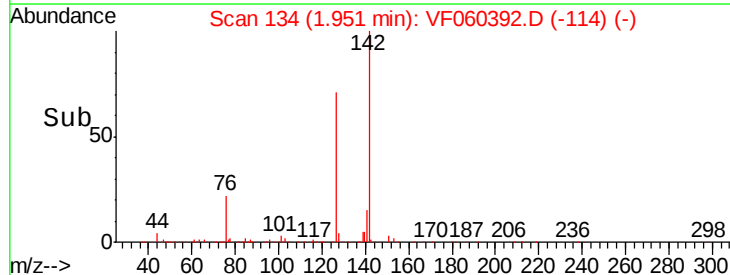
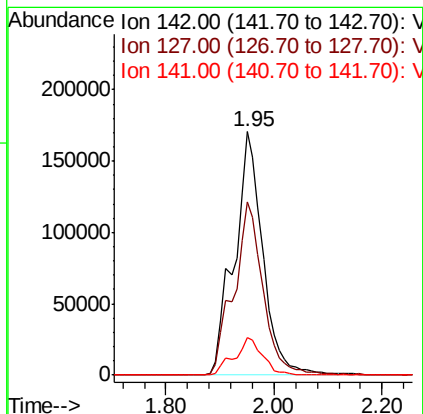
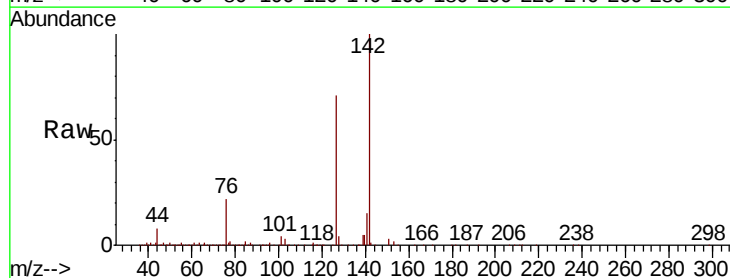
RT: 1.95 min Scan# 134

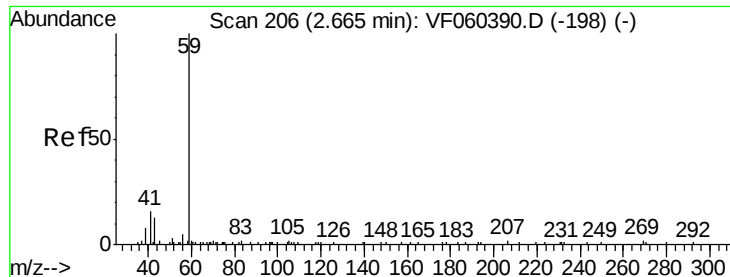
Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion:	142	Resp:	625887
Ion Ratio	Lower	Upper	
142	100		
127	70.3	60.2	90.2
141	15.0	13.1	19.7





#11

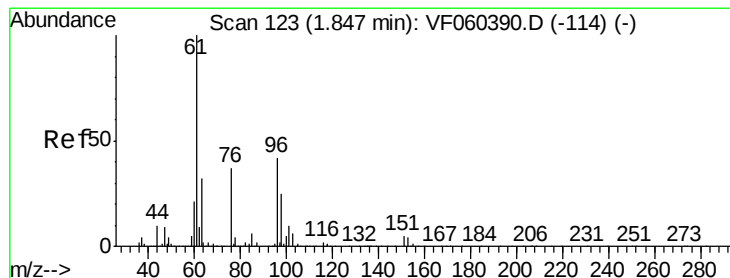
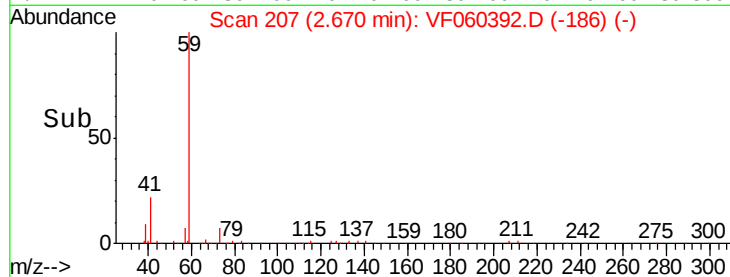
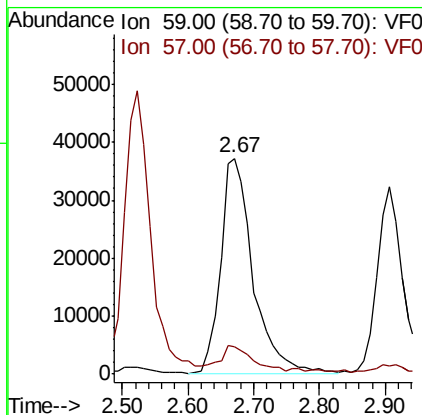
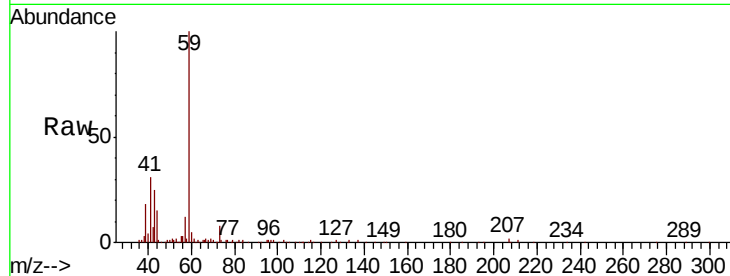
Tert butyl alcohol
Concen: 526.815 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	6.5	9.7#

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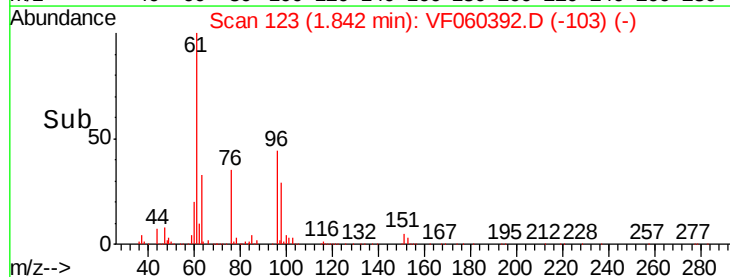
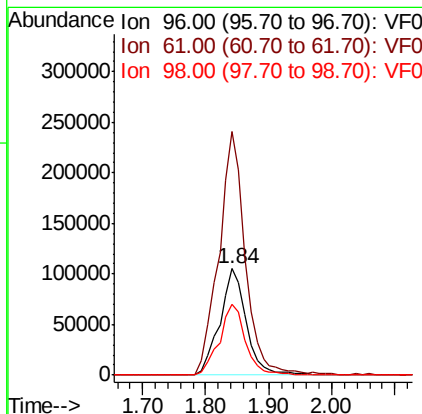
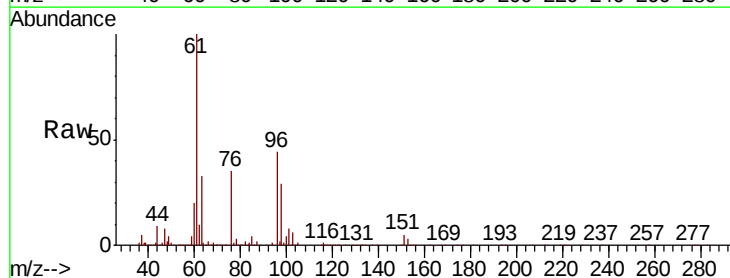
apatel
10/2/2018 12:29:42 PM

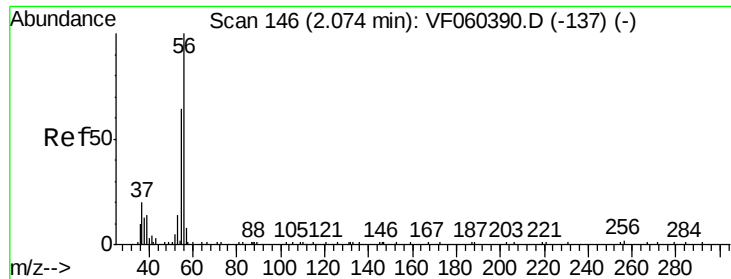


#12

1,1-Dichloroethene
Concen: 98.489 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	229.0	189.4	284.0
98	66.2	47.8	71.6





#13

Acrolein

Concen: 711.340 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 97560

Ion Ratio Lower Upper

56 100

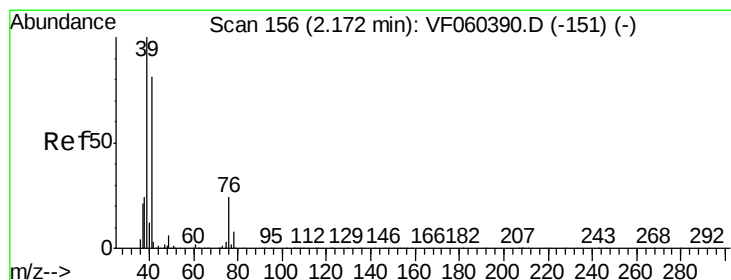
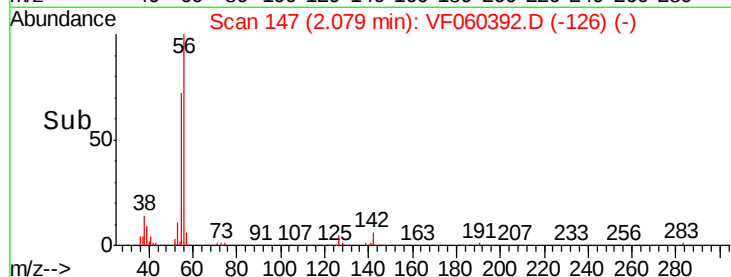
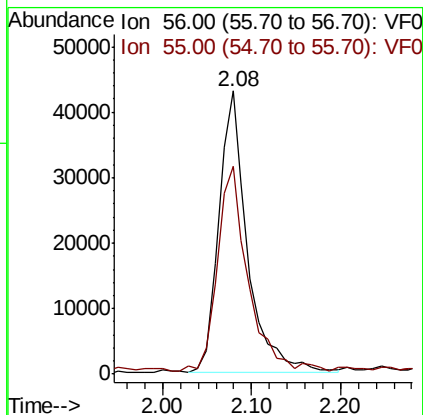
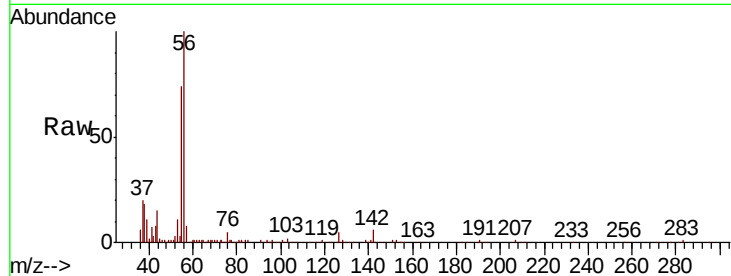
55 73.6 53.9 80.9

Manual Integrations

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#14

Allyl chloride

Concen: 102.515 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

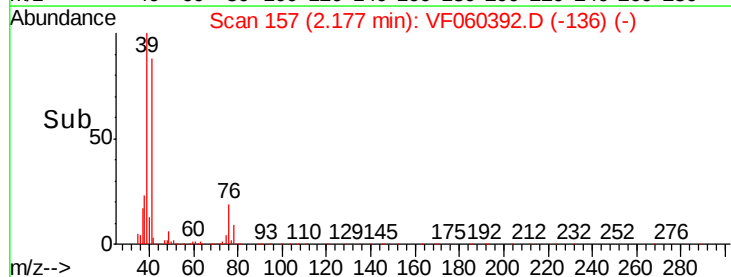
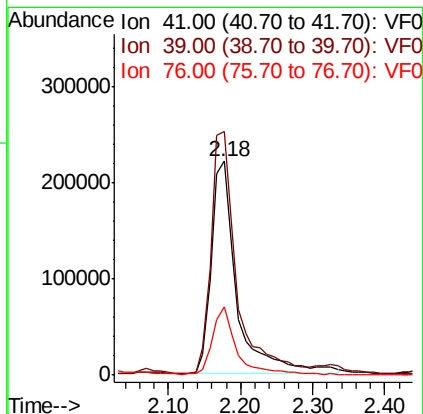
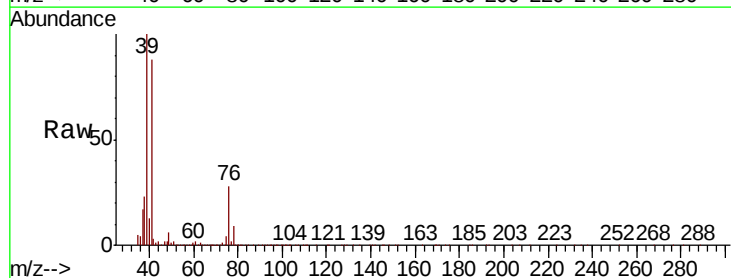
Tgt Ion: 41 Resp: 548456

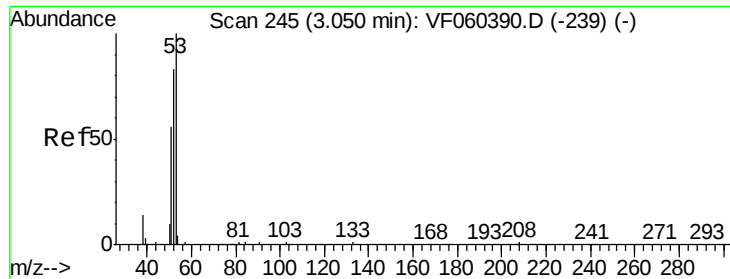
Ion Ratio Lower Upper

41 100

39 113.8 98.3 147.5

76 32.1 23.9 35.9





#15

Acrylonitrile

Concen: 414.364 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

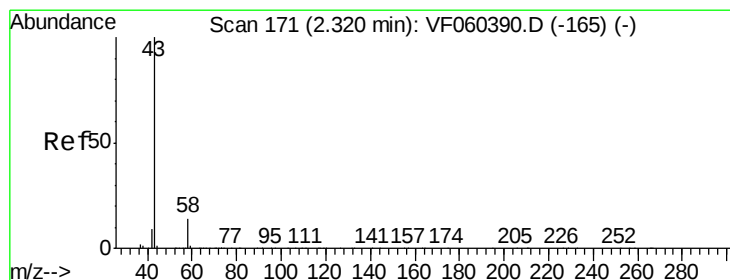
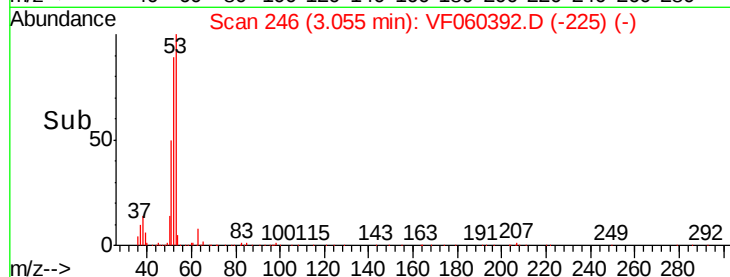
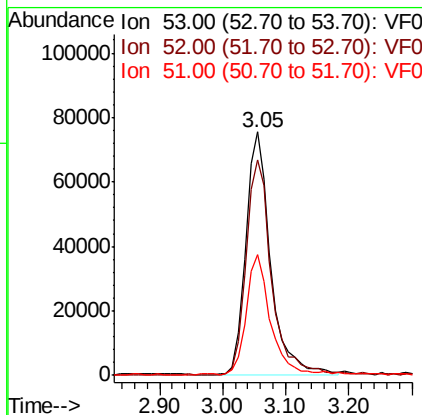
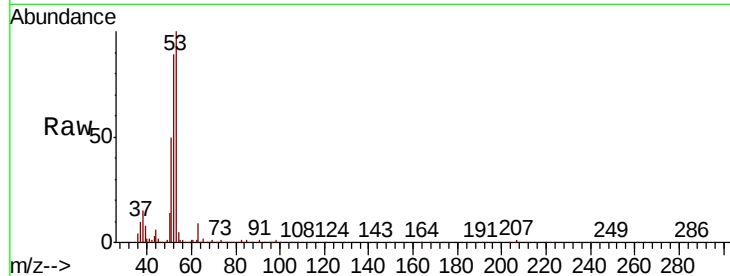
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	208049
Ion	Ratio	Lower	Upper
53	100		
52	88.5	66.0	99.0
51	49.6	45.6	68.4

Manual Integrations
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#16

Acetone

Concen: 400.340 ug/l

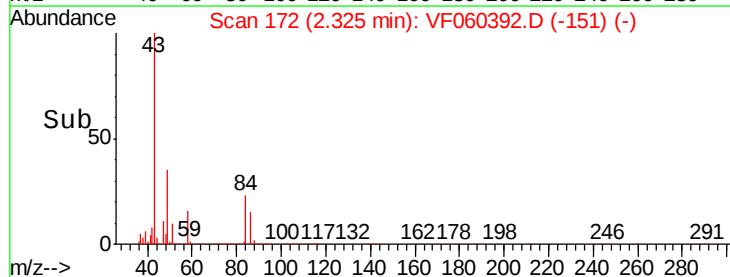
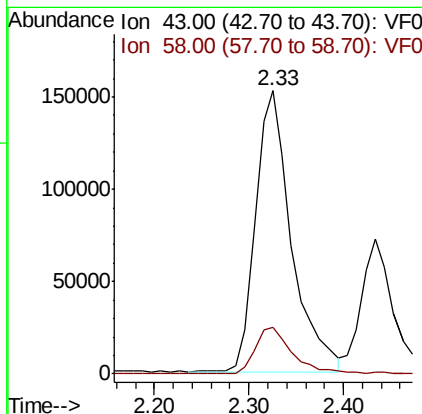
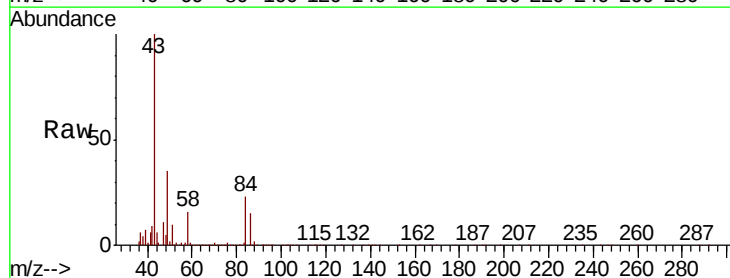
RT: 2.33 min Scan# 172

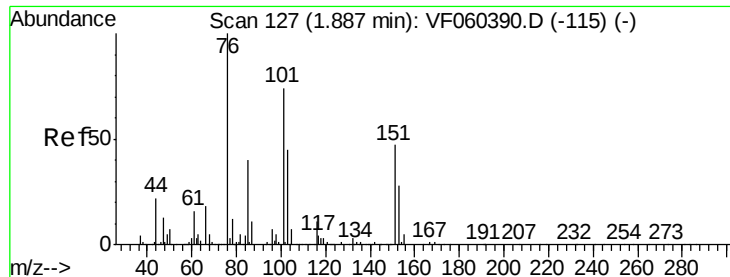
Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion:	43	Resp:	402280
Ion	Ratio	Lower	Upper
43	100		
58	16.4	11.2	16.8





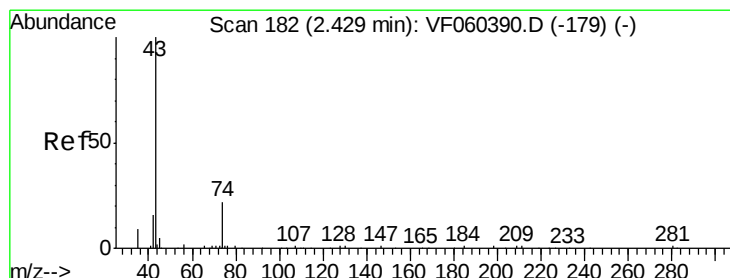
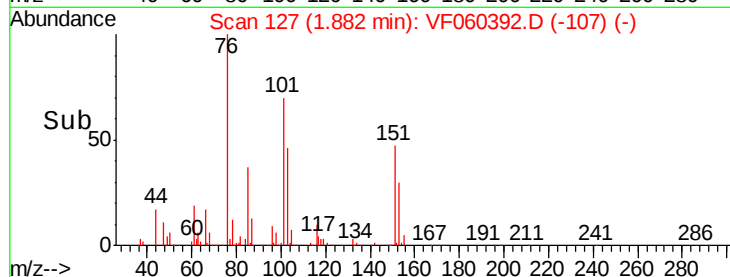
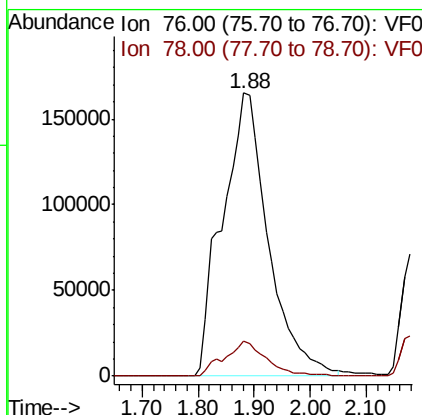
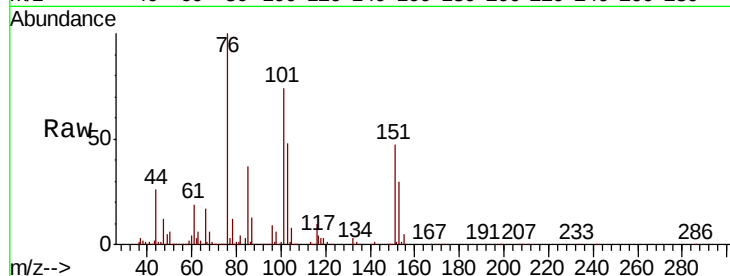
#17
Carbon Disulfide
Concen: 98.627 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.3	10.1	15.1

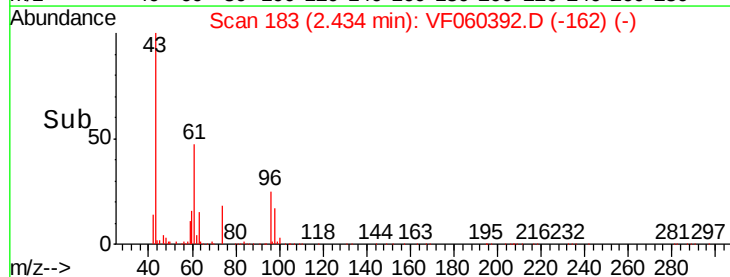
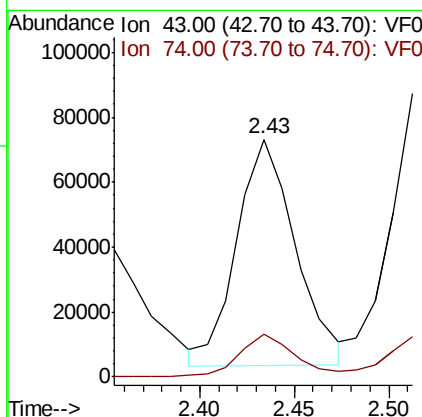
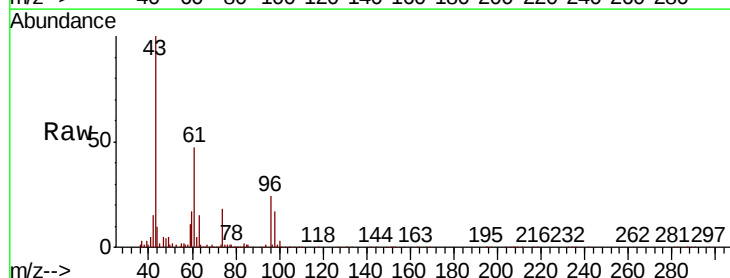
Manual Integrations
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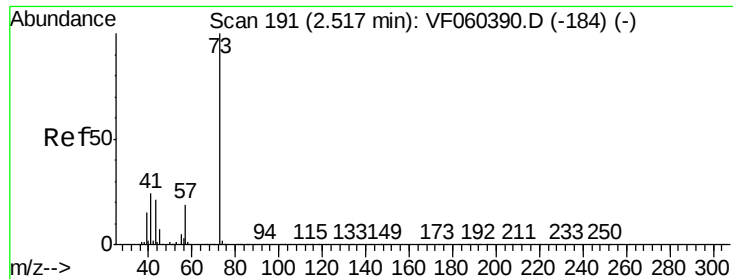
apatel
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#18
Methyl Acetate
Concen: 87.556 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.8	15.8	23.8





#19

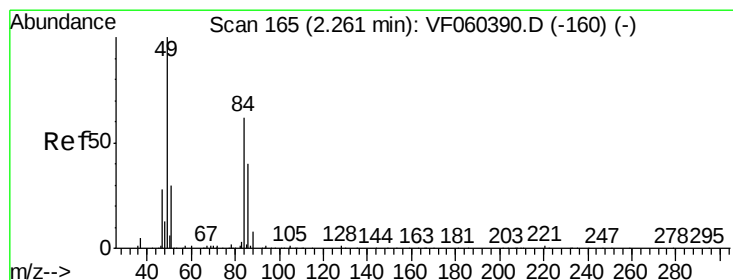
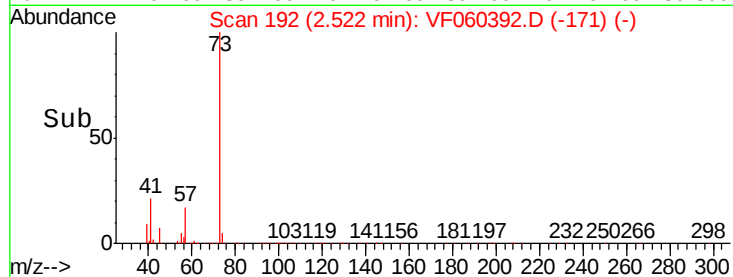
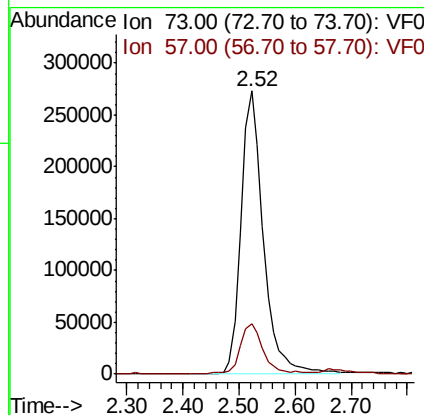
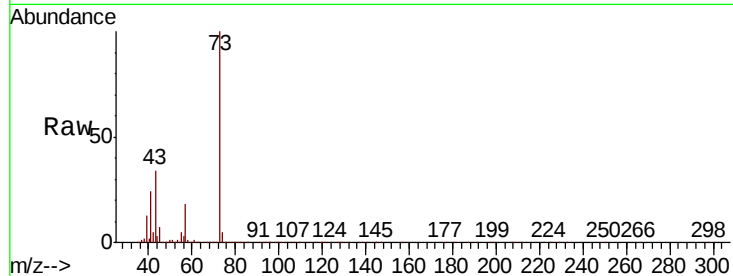
Methyl tert-butyl Ether
 Concen: 96.756 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. 0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	15.9	23.9

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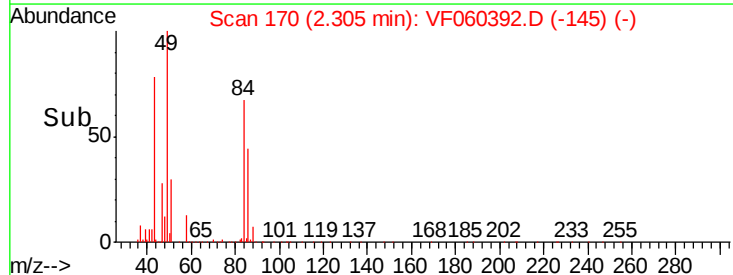
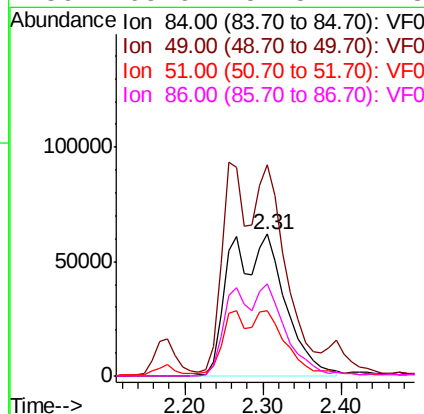
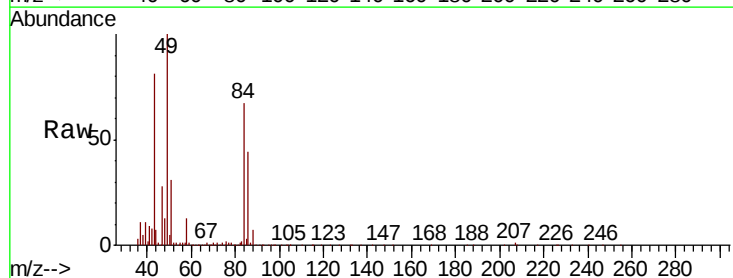
apatel
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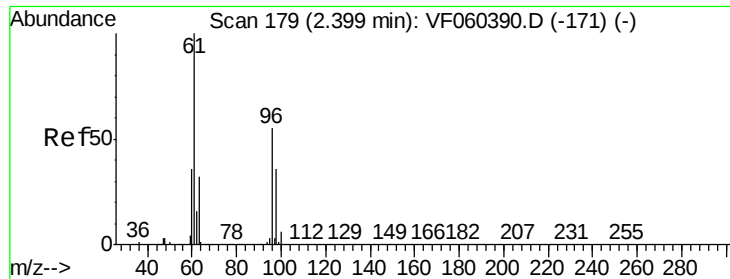


#20

Methylene Chloride
 Concen: 83.344 ug/l m
 RT: 2.31 min Scan# 170
 Delta R.T. 0.04 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.6	130.2	195.2
51	46.1	41.0	61.6
86	65.6	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 97.810 ug/l

RT: 2.39 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

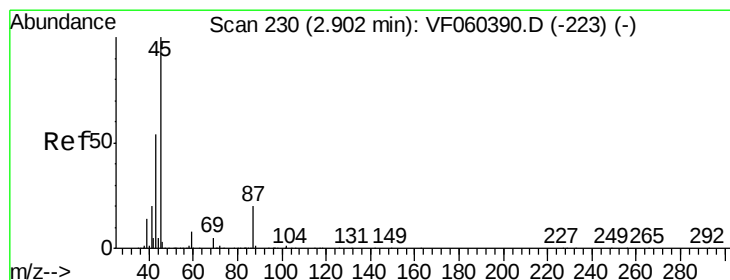
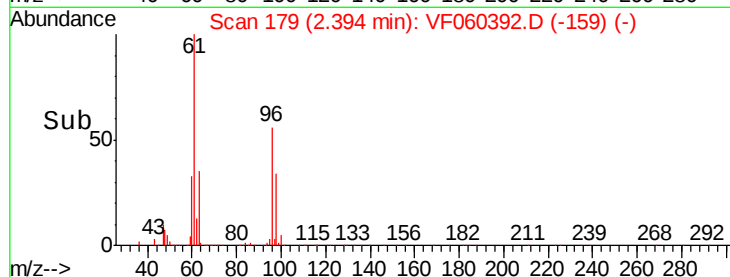
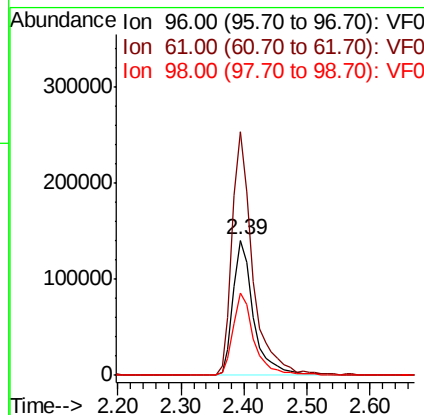
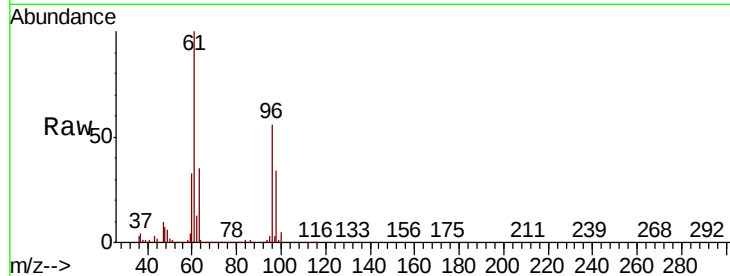
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	314335
Ion	Ratio	Lower	Upper
96	100		
61	179.8	146.2	219.2
98	61.2	52.6	78.8

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#22

Diisopropyl ether

Concen: 89.117 ug/l

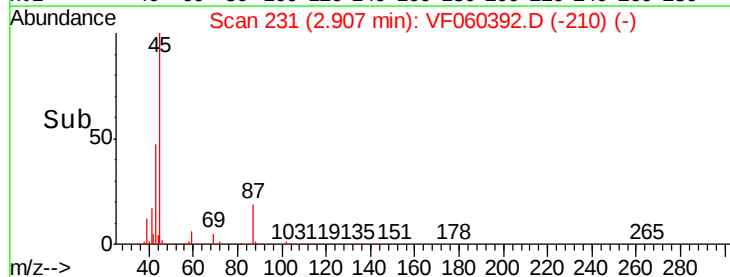
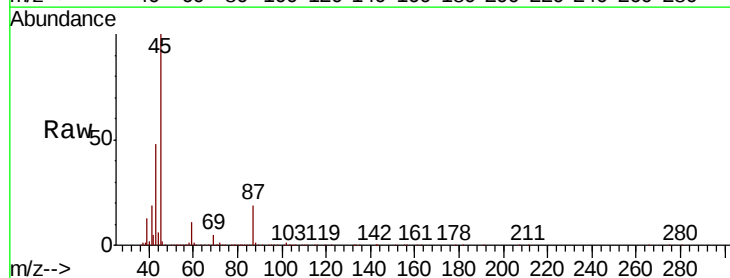
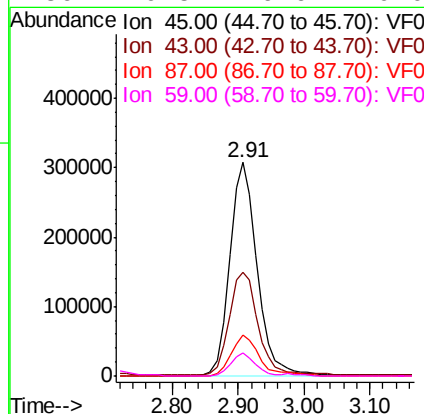
RT: 2.91 min Scan# 231

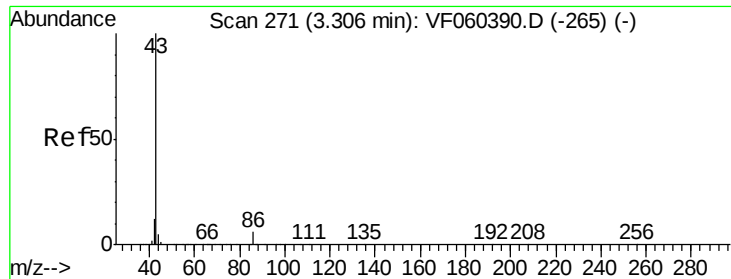
Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion:	45	Resp:	892017
Ion	Ratio	Lower	Upper
45	100		
43	48.5	43.8	65.8
87	19.4	16.3	24.5
59	10.5	6.6	10.0#





#23

Vinyl Acetate

Concen: 437.852 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1729817

Ion Ratio Lower Upper

43 100

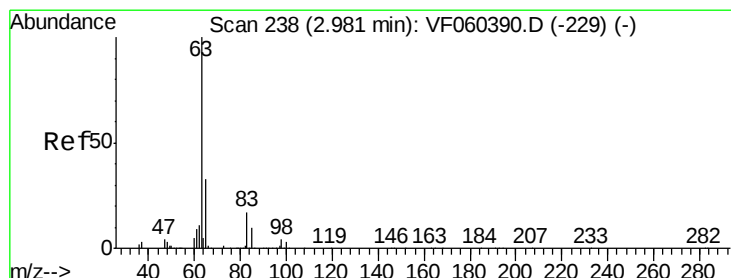
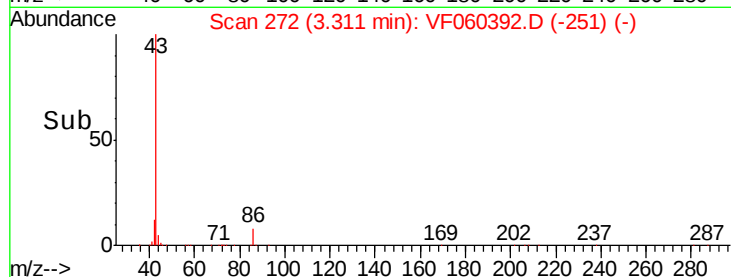
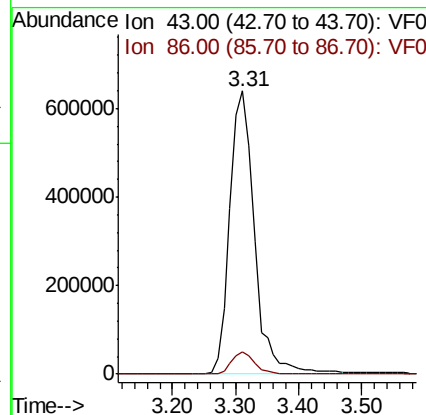
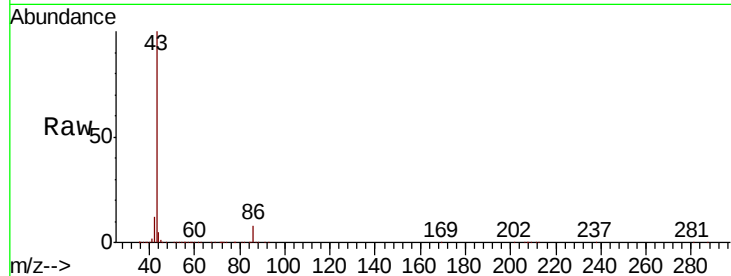
86 7.9 5.1 7.7#

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#24

1,1-Dichloroethane

Concen: 90.881 ug/l

RT: 2.98 min Scan# 238

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

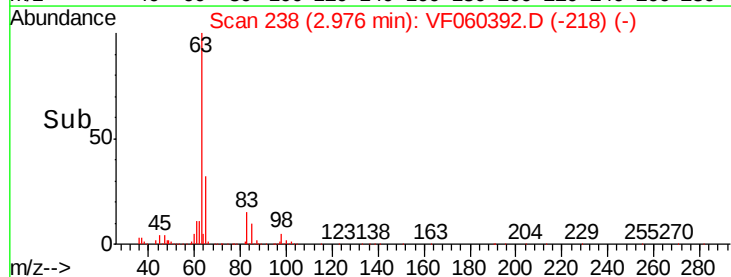
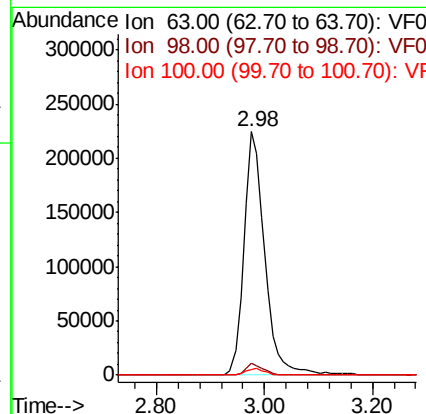
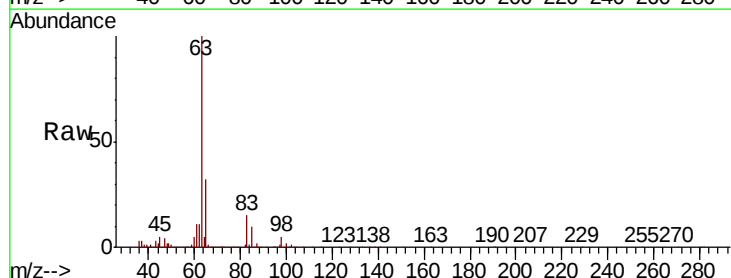
Tgt Ion: 63 Resp: 599994

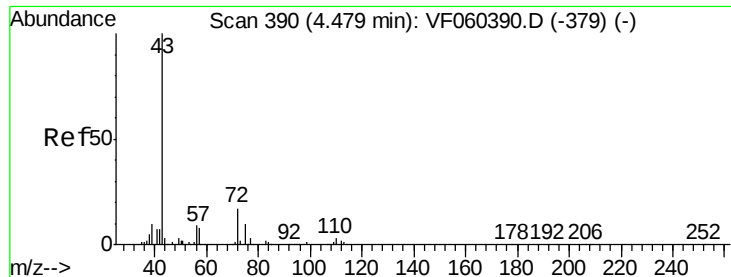
Ion Ratio Lower Upper

63 100

98 4.7 2.0 5.8

100 2.5 1.4 4.2





#25

2-Butanone

Concen: 371.042 ug/l

RT: 4.47 min Scan# 390

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 485076

Ion Ratio Lower Upper

43 100

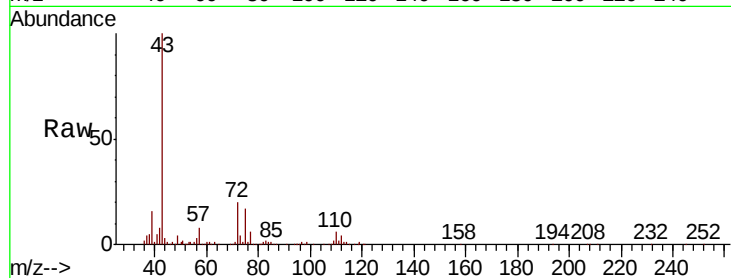
72 20.1 14.1 21.1

Manual Integrations

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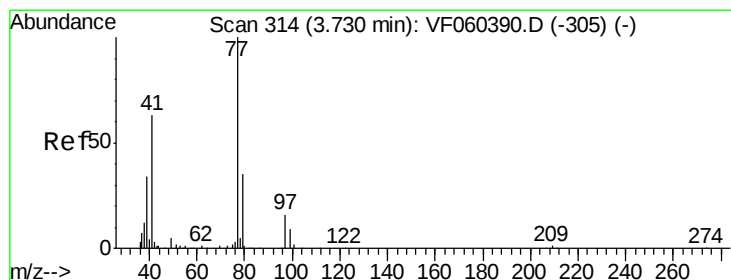
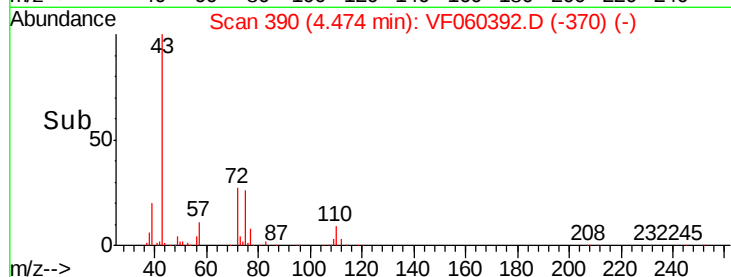
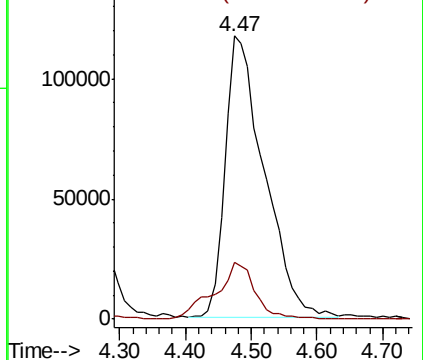
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 87.466 ug/l

RT: 3.73 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060392.D

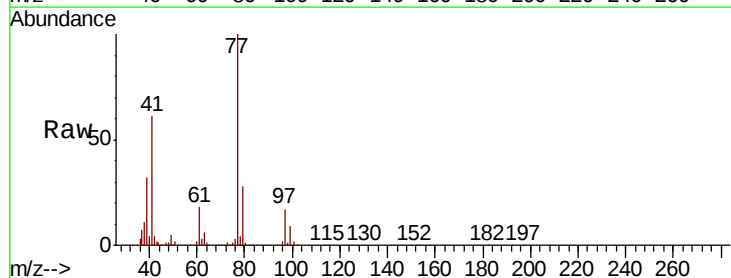
Acq: 1 Oct 2018 19:37

Tgt Ion: 77 Resp: 325722

Ion Ratio Lower Upper

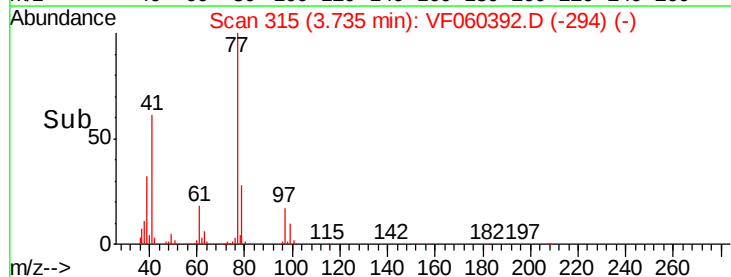
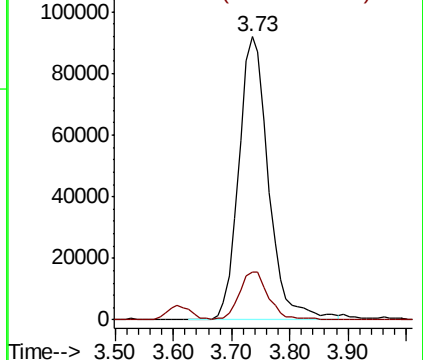
77 100

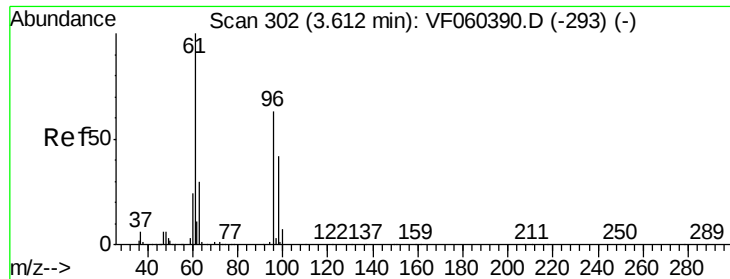
97 16.8 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

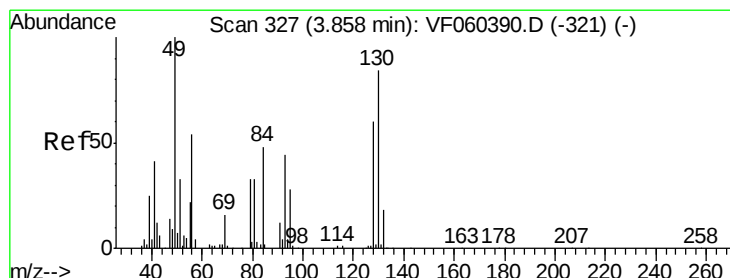
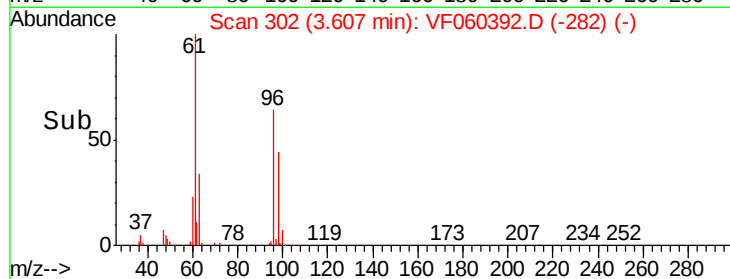
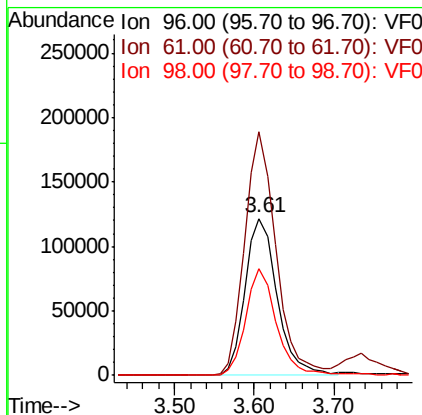
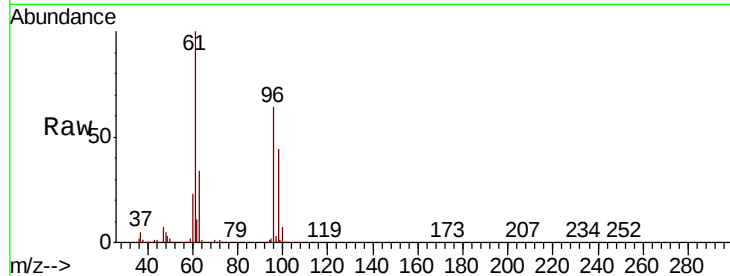
cis-1,2-Dichloroethene
Concen: 82.607 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	337965		
61	155.2	0.0	318.2	
98	68.3	0.0	134.0	

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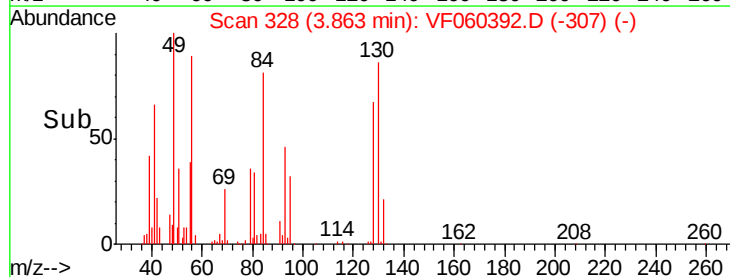
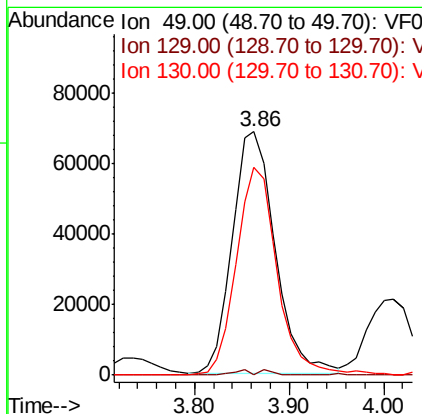
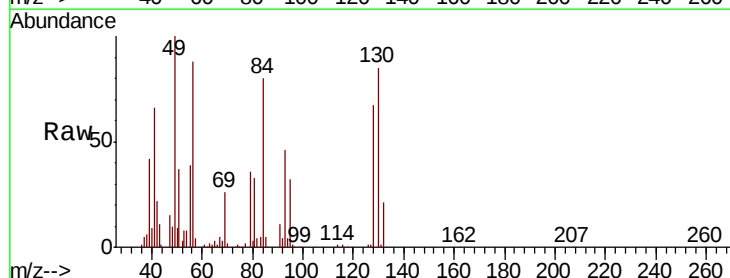
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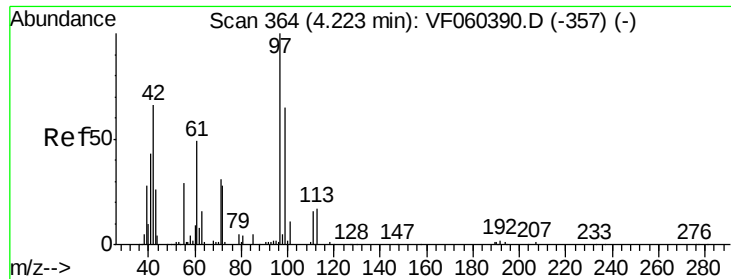


#28

Bromochloromethane
Concen: 83.013 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	213325		
129	0.0	0.0	4.6	
130	85.2	67.3	100.9	





#29

Tetrahydrofuran

Concen: 406.029 ug/l

RT: 4.23 min Scan# 365

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

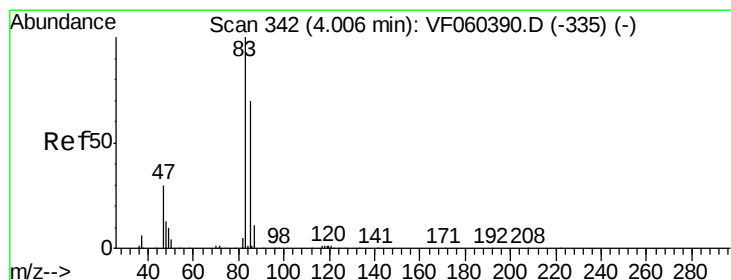
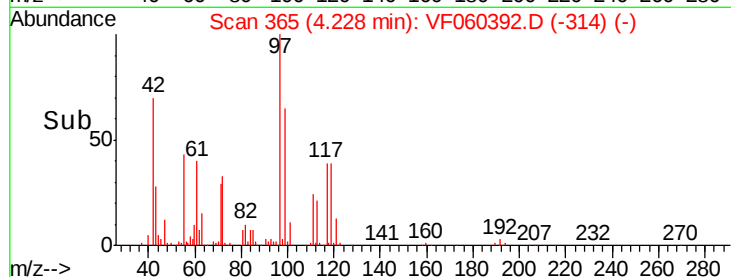
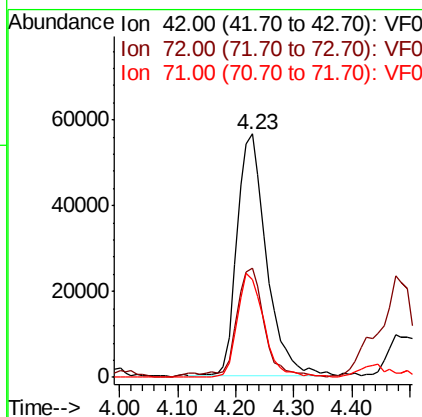
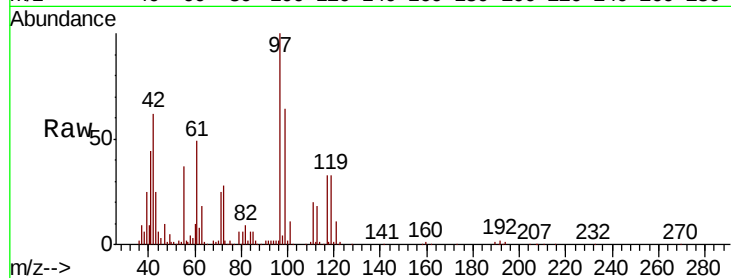
ClientSampleId :

VSTDIC100

Tot Ion	42	Resp	199519
Ion Ratio	Lower	Upper	
42	100		
72	42.1	33.6	50.4
71	39.1	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 92.141 ug/l

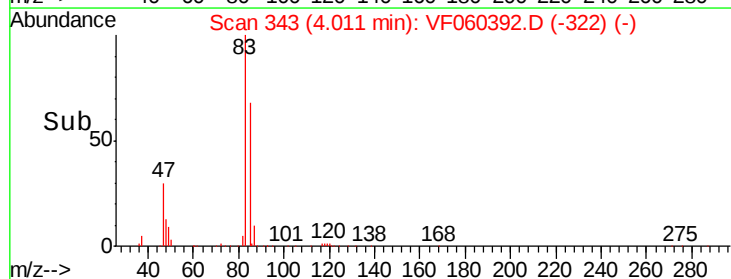
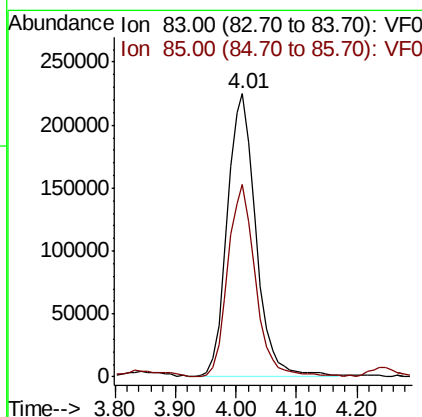
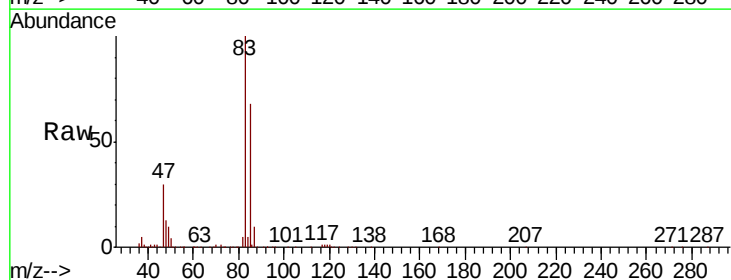
RT: 4.01 min Scan# 343

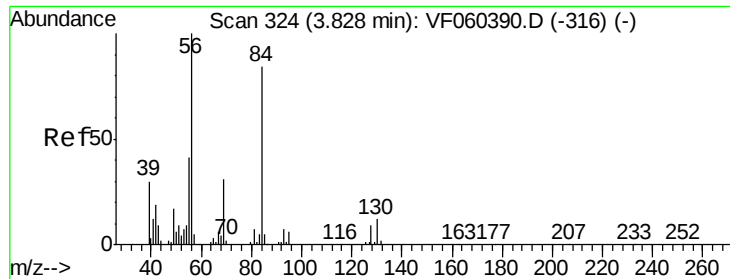
Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion	83	Resp	729781
Ion Ratio	Lower	Upper	
83	100		
85	67.9	55.9	83.9





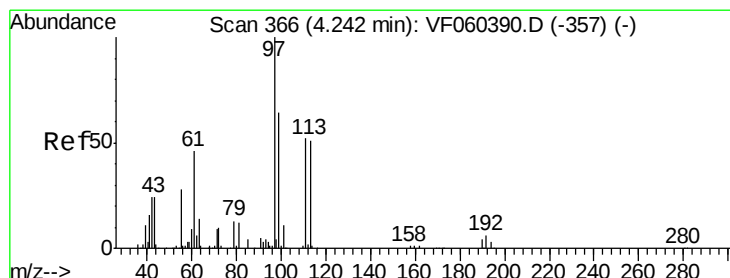
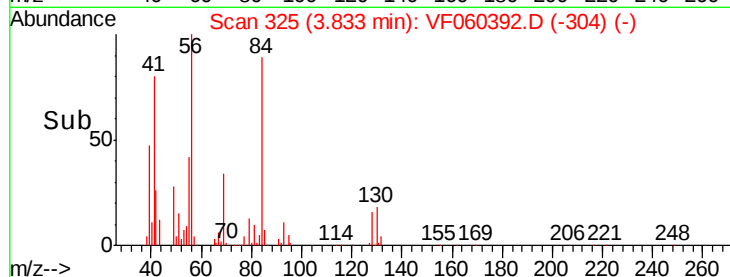
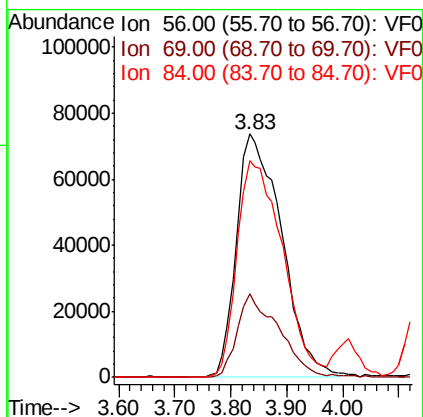
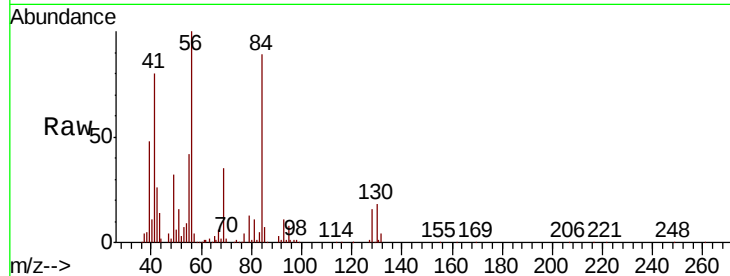
#31
Cyclohexane
Concen: 75.413 ug/l
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.5	38.3
84	89.3	67.4	101.0

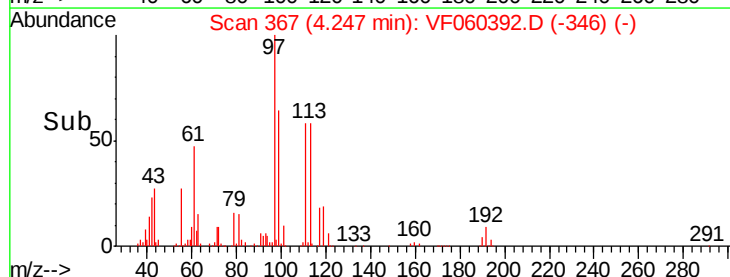
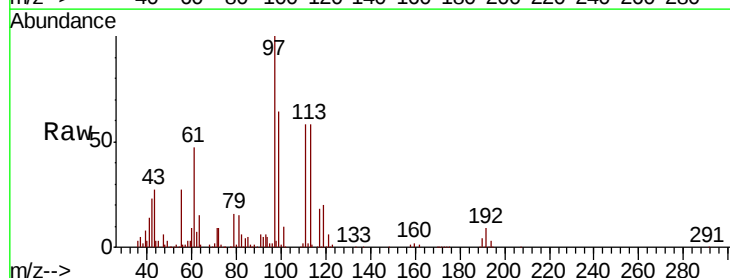
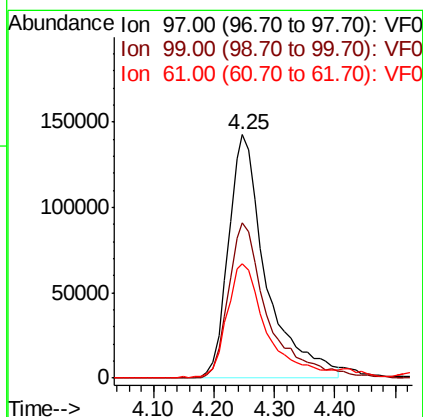
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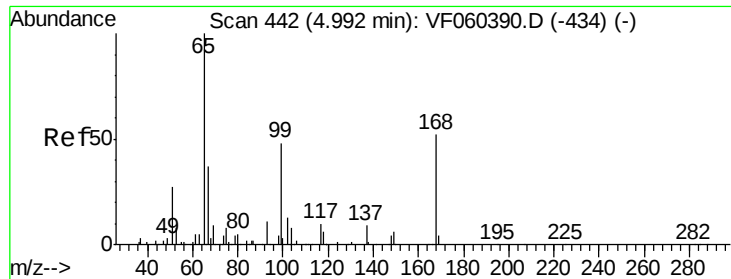
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#32
1,1,1-Trichloroethane
Concen: 97.514 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	46.7	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 105.069 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 393455

Ion Ratio Lower Upper

65 100

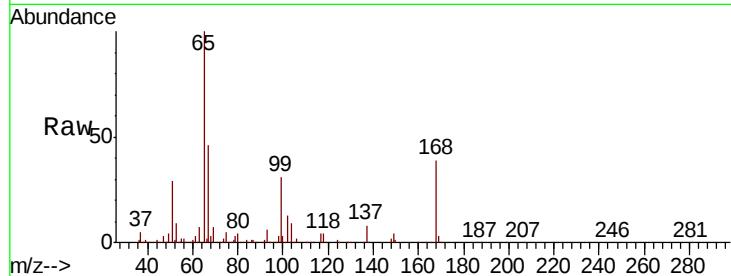
67 46.5 0.0 89.4

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

150000

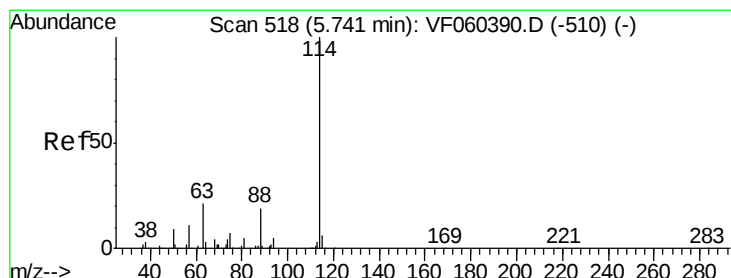
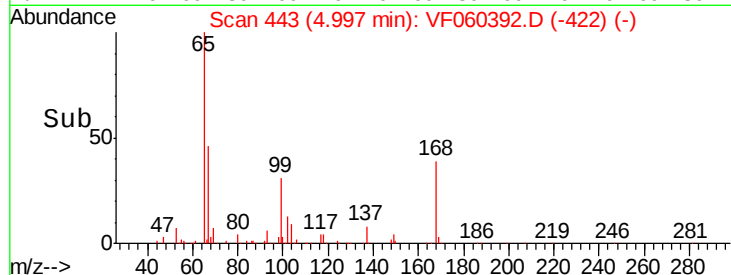
100000

50000

0

4.90 5.00 5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 518

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

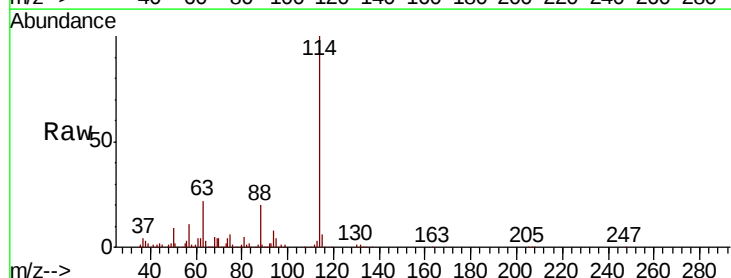
Tgt Ion:114 Resp: 433766

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.2

88 19.6 0.0 38.8



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

200000

150000

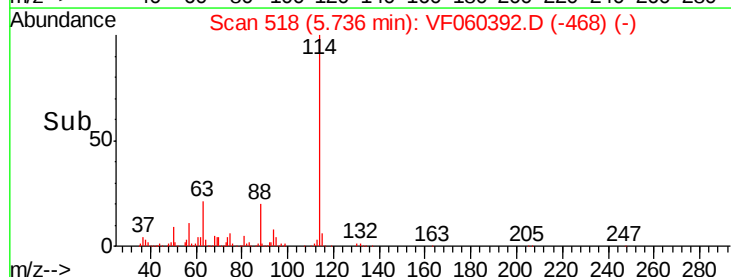
100000

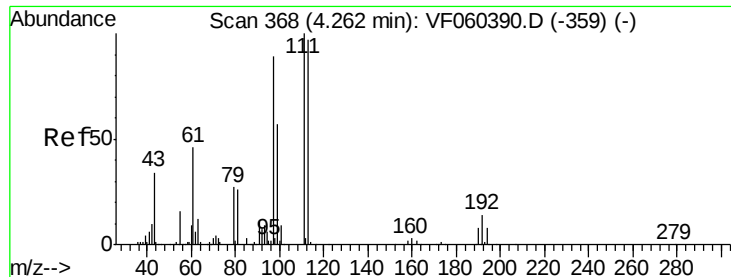
50000

0

5.60 5.70 5.80 5.90

Time-->





#35

Dibromofluoromethane

Concen: 100.101 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

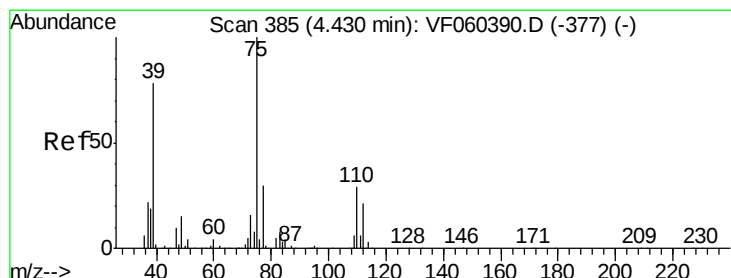
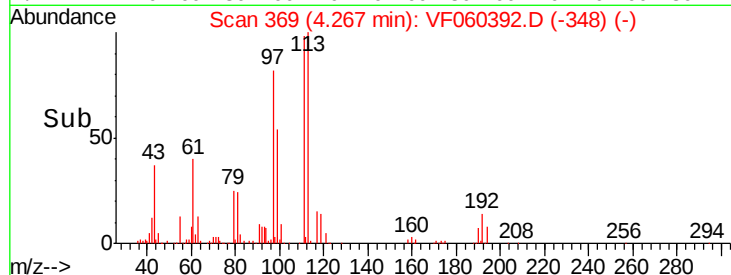
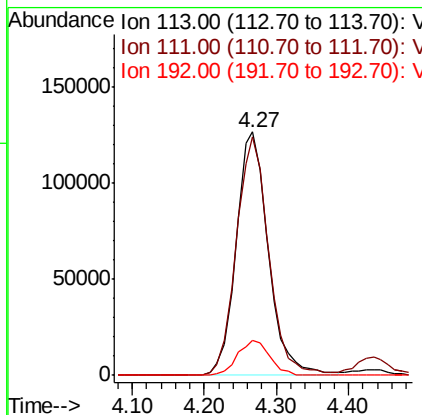
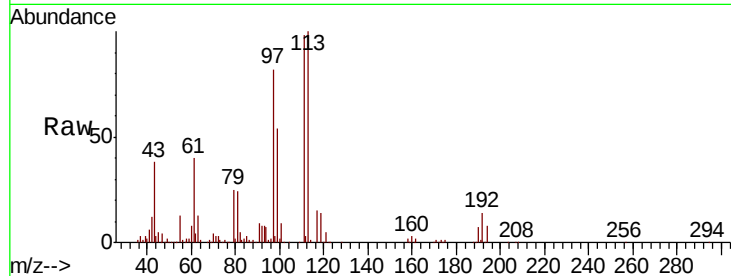
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	394620
Ion Ratio	Lower	Upper	
113	100		
111	97.7	82.3	123.5
192	14.5	11.8	17.6

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#36

1,1-Dichloropropene

Concen: 94.135 ug/l

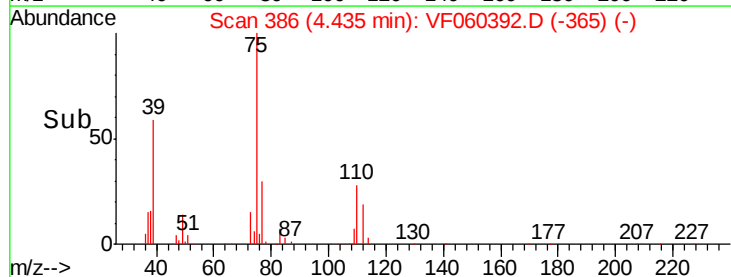
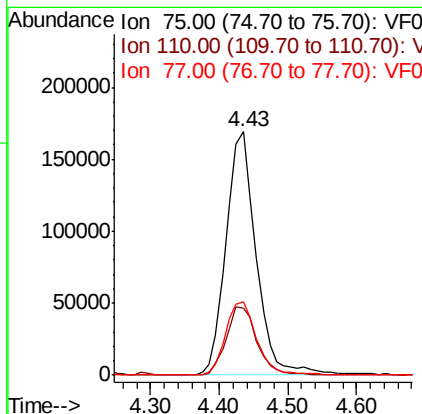
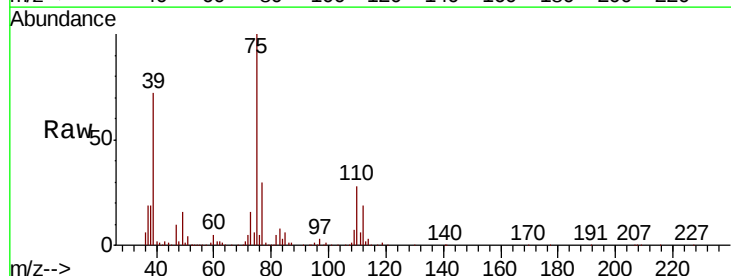
RT: 4.43 min Scan# 386

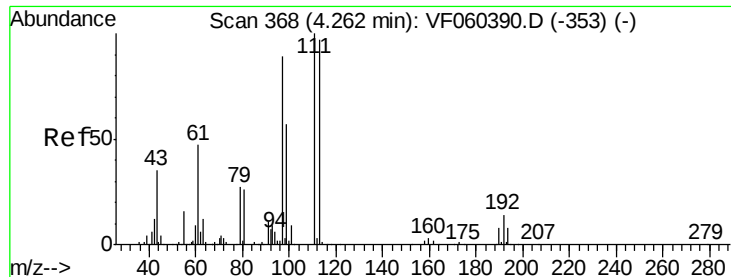
Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion:	75	Resp:	513512
Ion Ratio	Lower	Upper	
75	100		
110	27.7	14.5	43.6
77	30.0	24.3	36.5





#37

Ethyl Acetate

Concen: 90.570 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

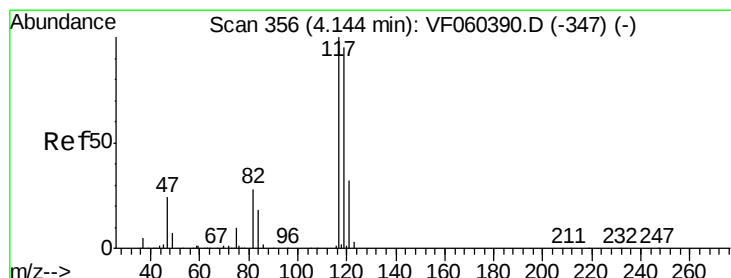
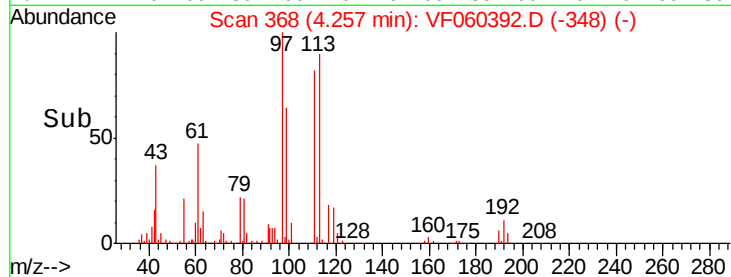
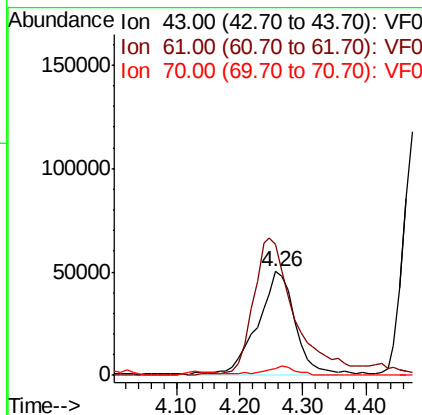
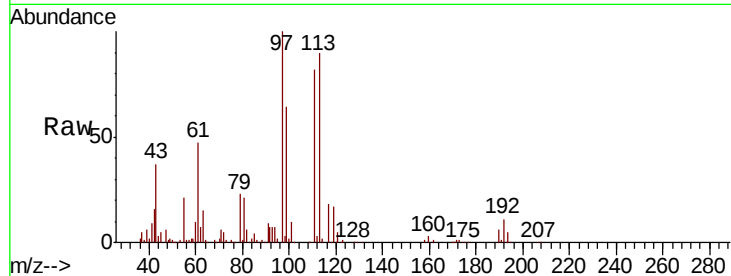
ClientSampleId :

VSTDIC100

Tot Ion	43	61	70	Ratio	Lower	Upper
204149	100	126.2	6.4			
		105.1	8.0			
		157.7	12.0			

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#38

Carbon Tetrachloride

Concen: 104.473 ug/l m

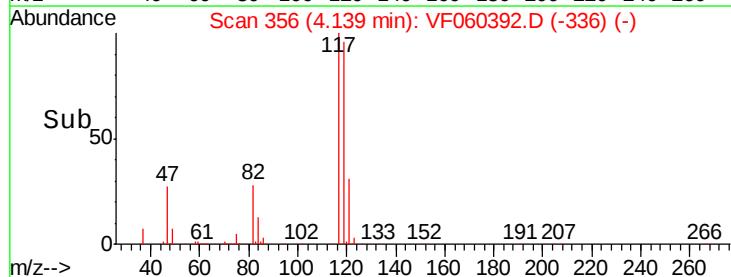
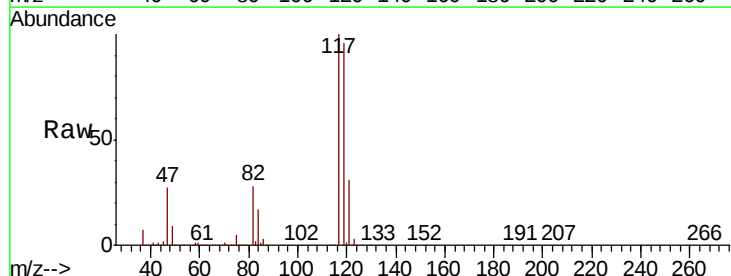
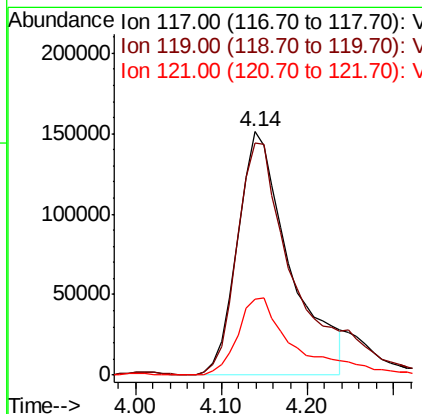
RT: 4.14 min Scan# 356

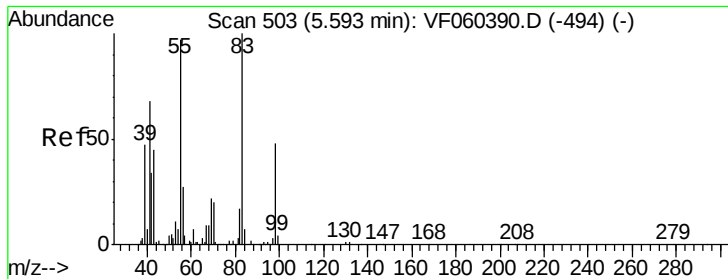
Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion	117	119	121	Ratio	Lower	Upper
641539	100	95.6	31.2			
		75.5	25.4			
		113.3	38.0			





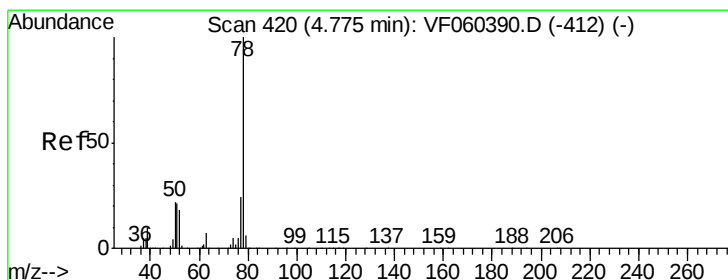
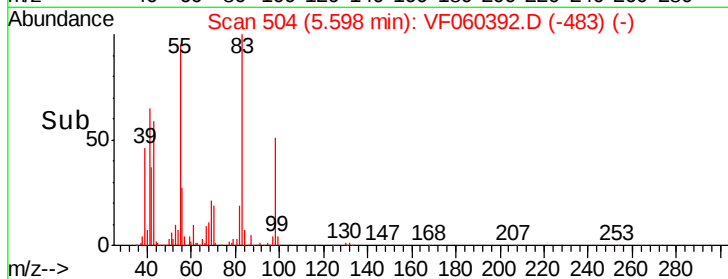
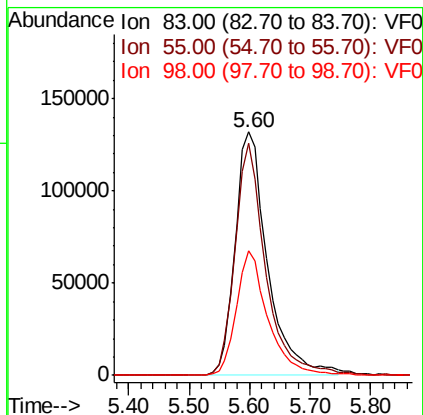
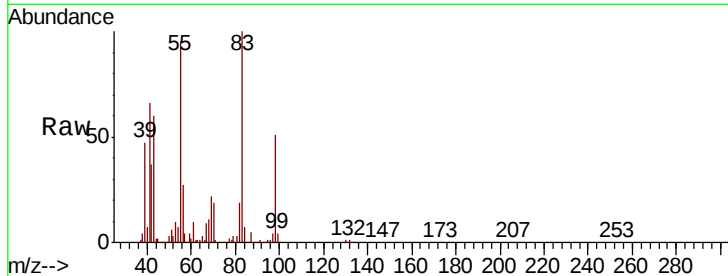
#39
Methylcyclohexane
Concen: 85.813 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.1	77.5	116.3
98	51.2	38.7	58.1

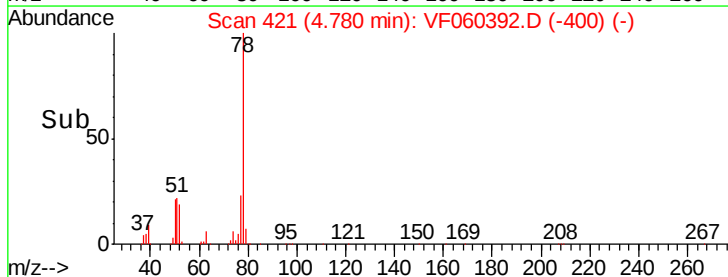
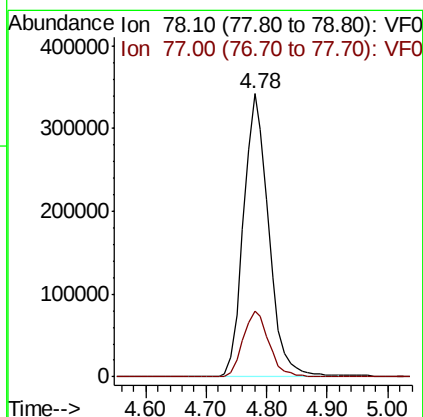
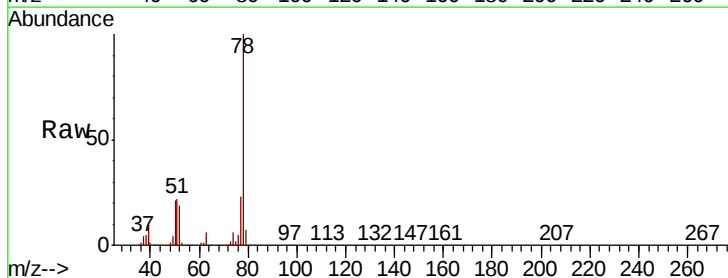
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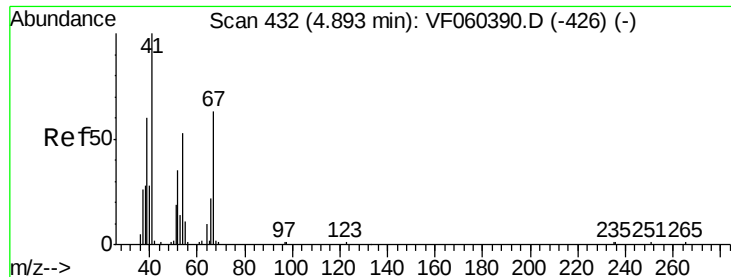
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#40
Benzene
Concen: 82.459 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





#41

Methacrylonitrile

Concen: 86.769 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

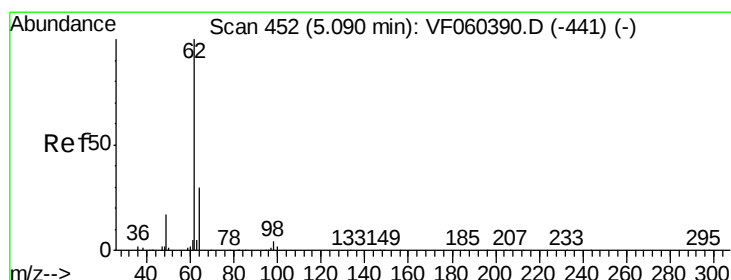
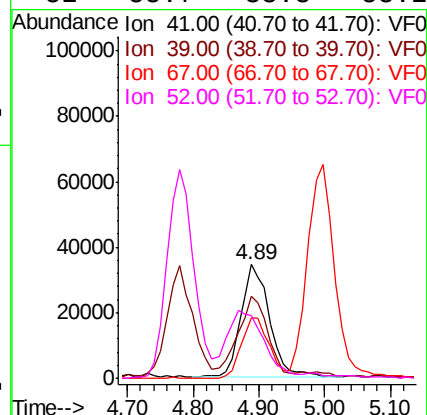
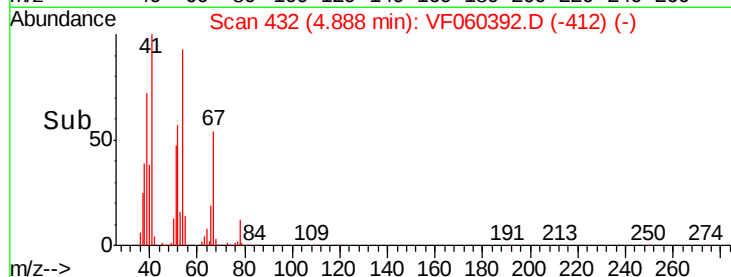
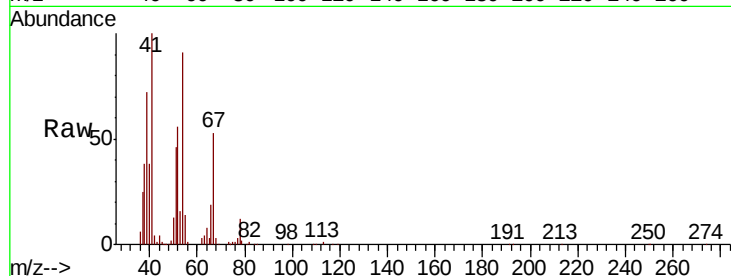
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.9	55.0	82.4	
67	52.8	49.6	74.4	
52	55.7	38.8	58.2	

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#42

1,2-Dichloroethane

Concen: 106.547 ug/l

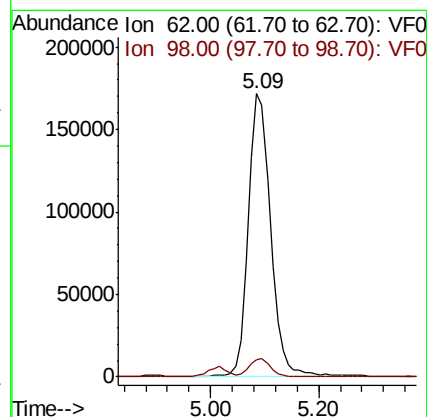
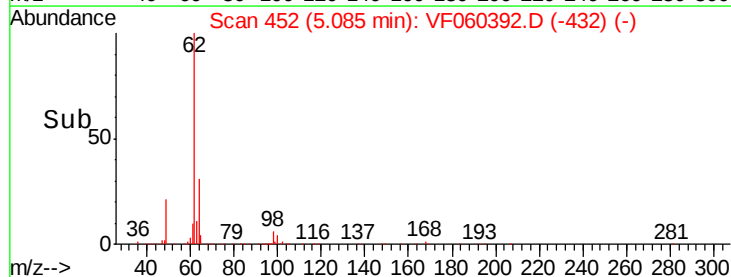
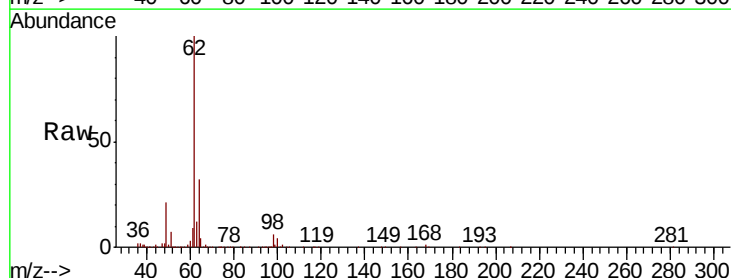
RT: 5.09 min Scan# 452

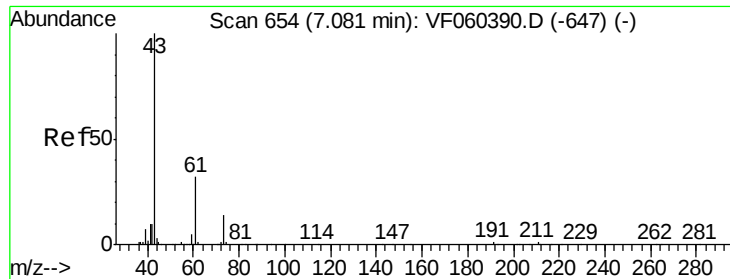
Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.2	0.0	11.2	





#43

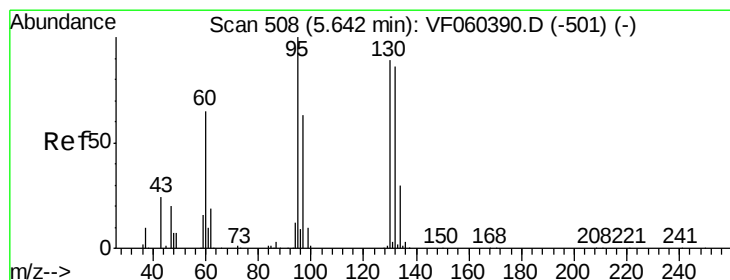
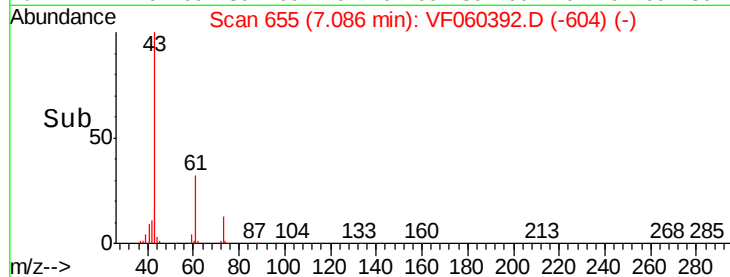
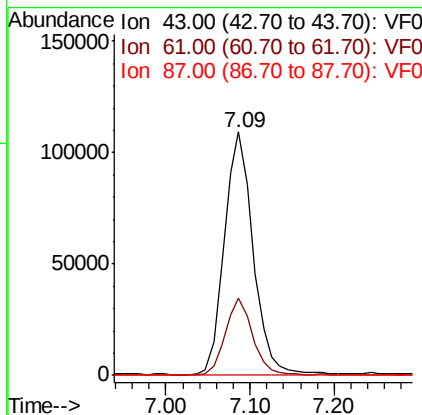
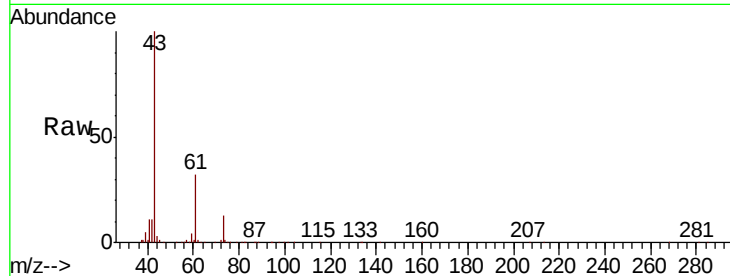
Isopropyl Acetate
 Concen: 94.632 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.8	25.4	38.2
87	0.4	0.3	0.5

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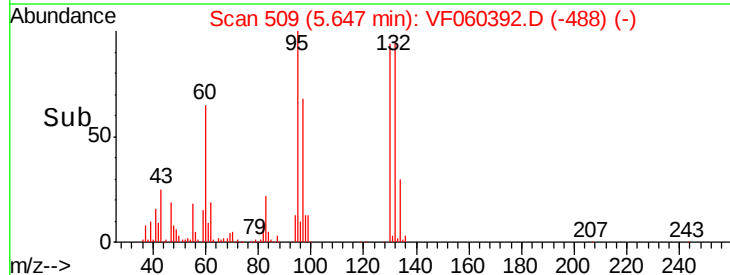
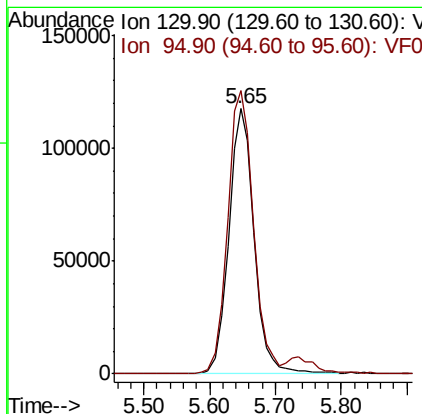
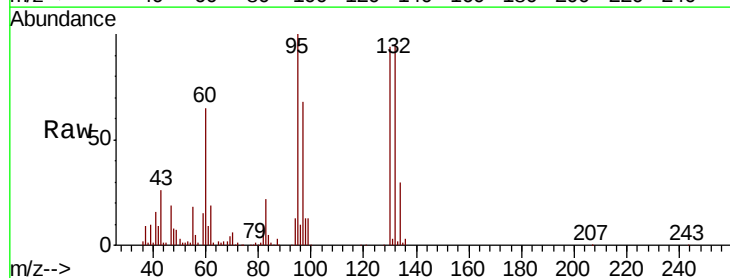
apatel
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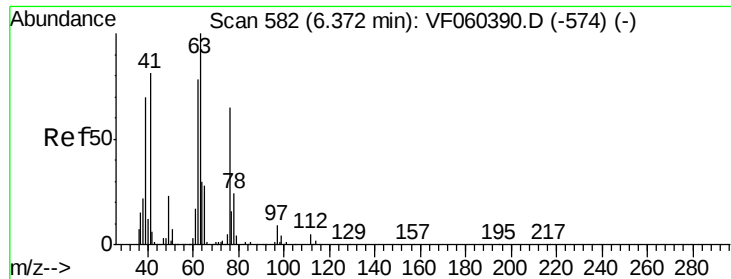


#44

Trichloroethene
 Concen: 88.003 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	224.4





#45

1,2-Dichloropropane

Concen: 86.543 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 270511

Ion Ratio Lower Upper

63 100

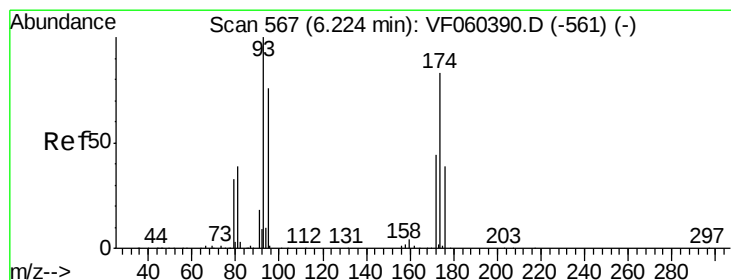
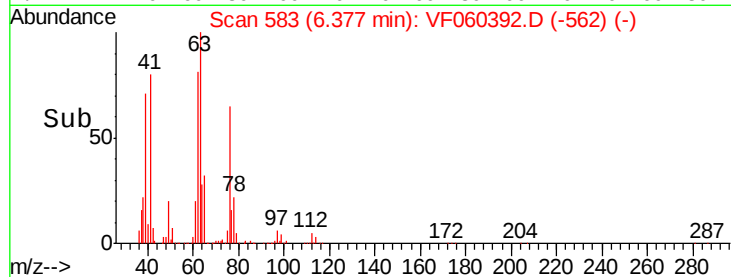
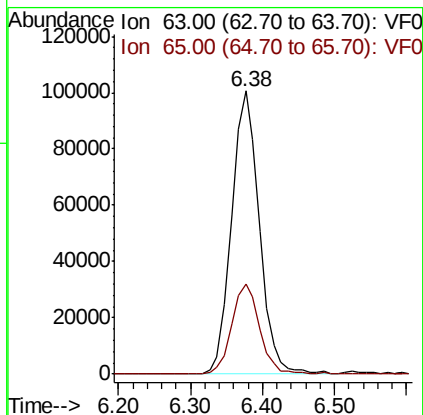
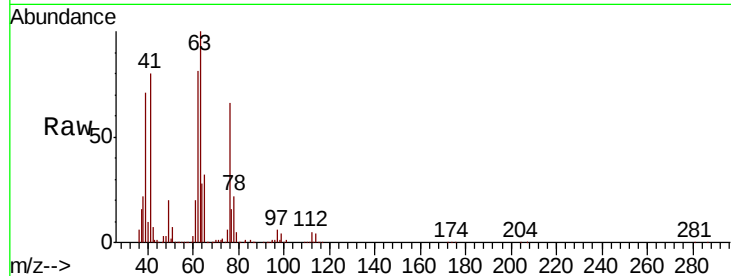
65 32.0 22.7 34.1

Manual Integrations

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#46

Dibromomethane

Concen: 96.110 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

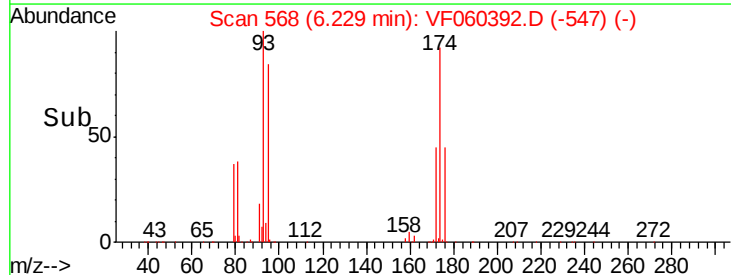
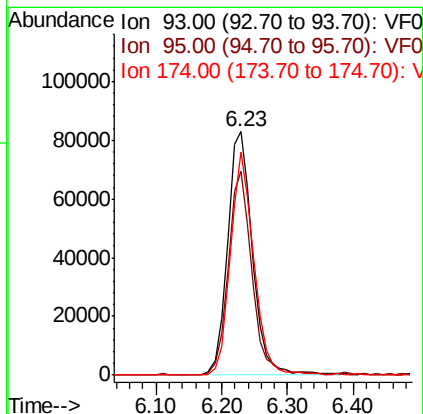
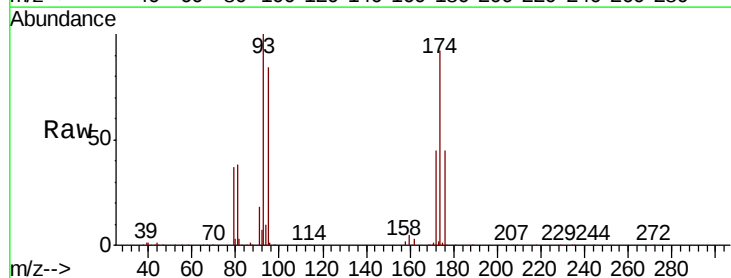
Tgt Ion: 93 Resp: 219452

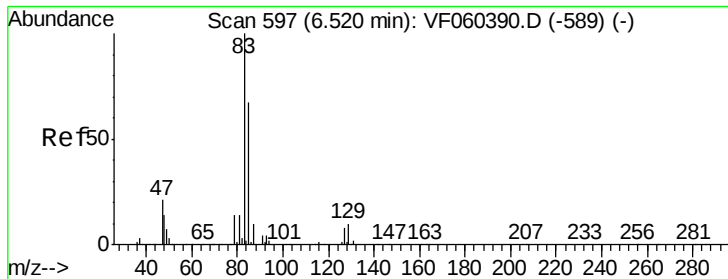
Ion Ratio Lower Upper

93 100

95 83.8 61.1 91.7

174 91.6 66.7 100.1





#47

Bromodichloromethane

Concen: 98.982 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

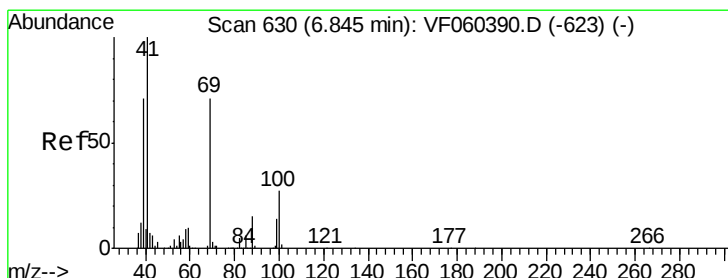
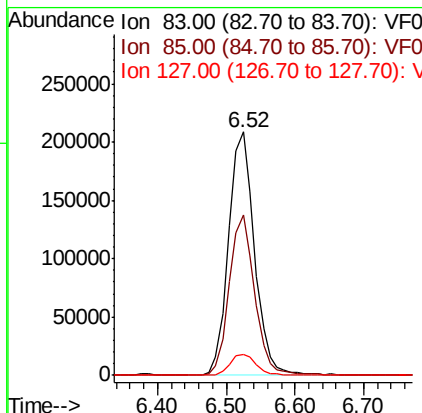
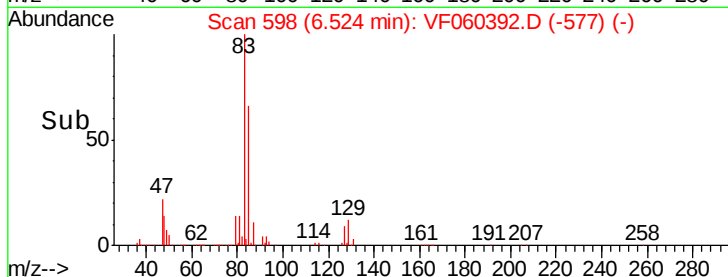
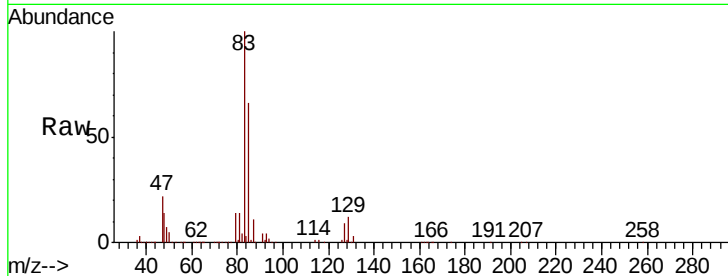
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	545772
Ion Ratio	Lower	Upper	
83	100		
85	66.1	53.2	79.8
127	8.6	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 92.861 ug/l

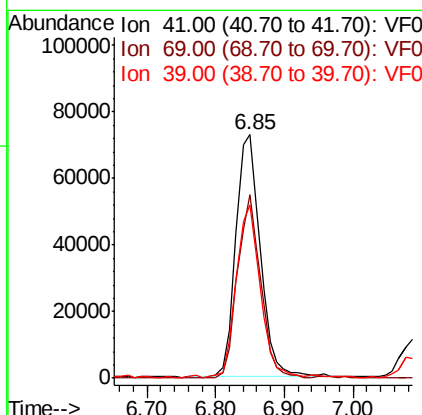
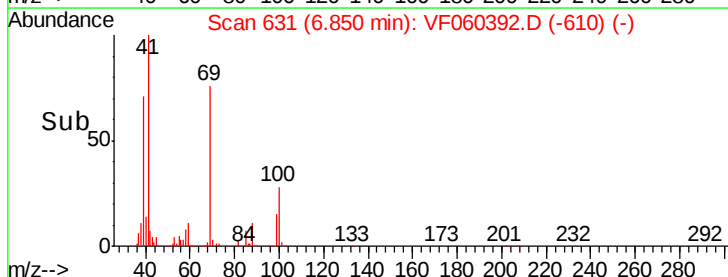
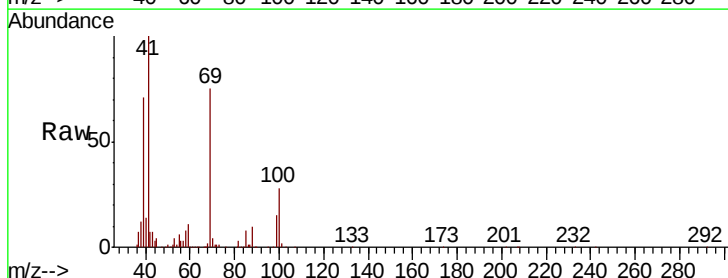
RT: 6.85 min Scan# 631

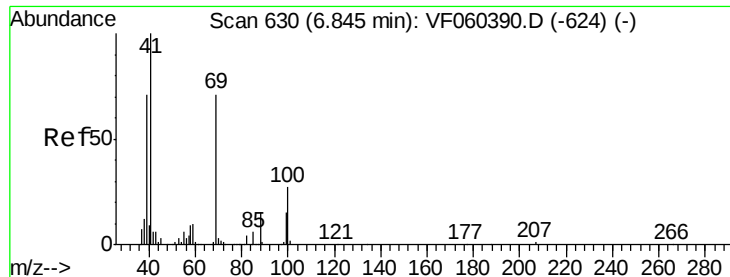
Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion:	41	Resp:	179409
Ion Ratio	Lower	Upper	
41	100		
69	75.2	56.3	84.5
39	71.2	56.9	85.3





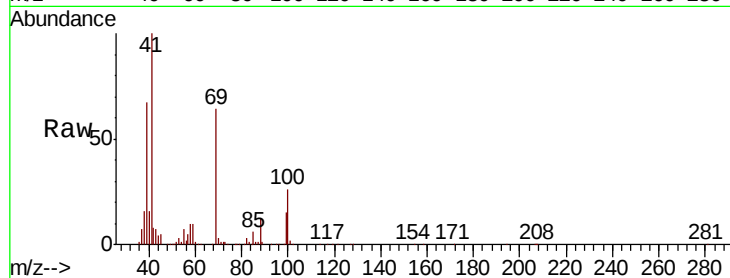
#49
1,4-Dioxane
Concen: 1816.349 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

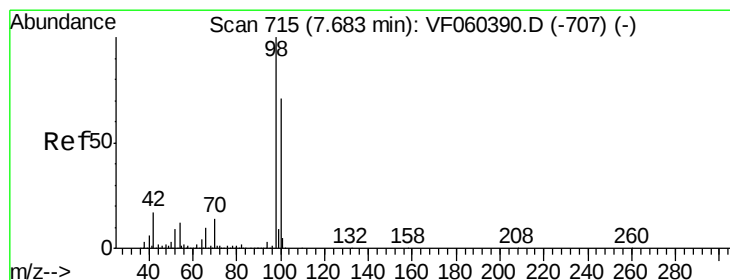
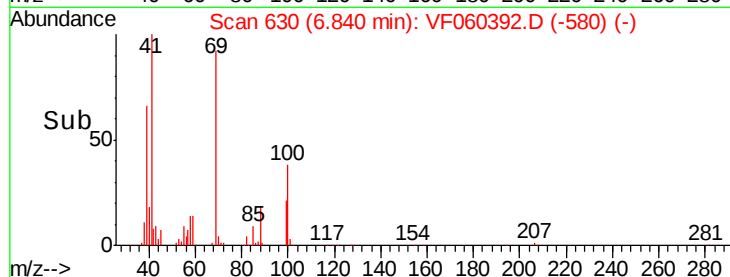
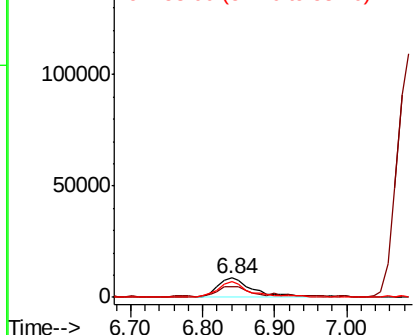
Tot Ion	Ratio	Lower	Upper
88	100		
43	54.2	38.3	57.5
58	79.6	47.4	71.2

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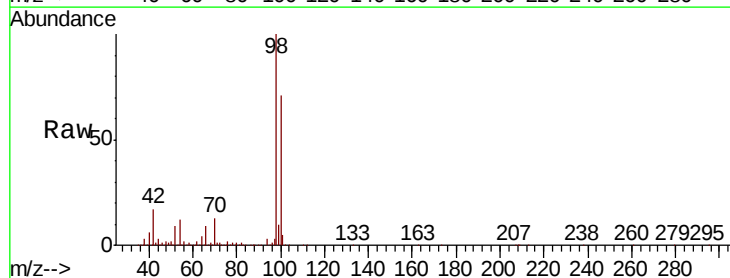


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

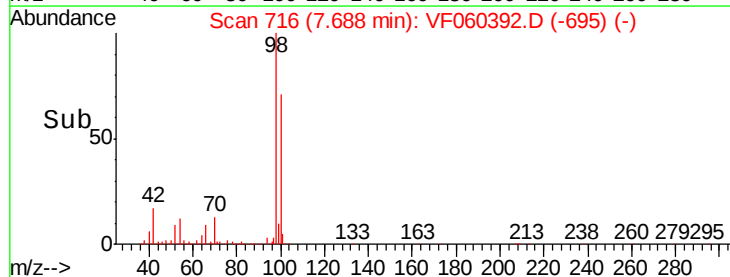
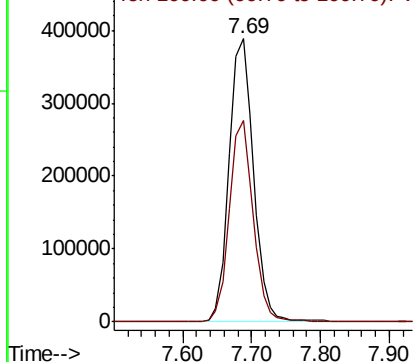


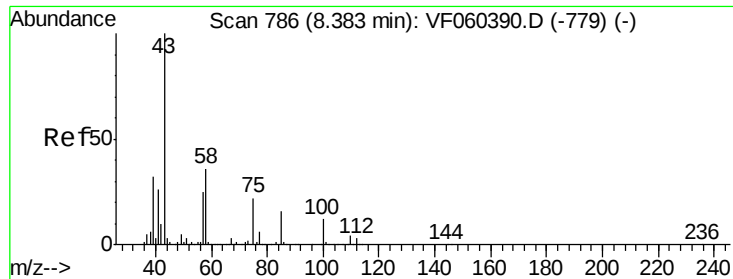
#50
Toluene-d8
Concen: 94.743 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.4	56.5	84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 405.444 ug/l

RT: 8.38 min Scan# 786

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 826751

Ion Ratio Lower Upper

43 100

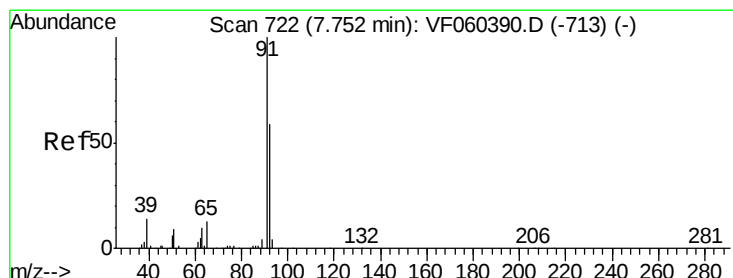
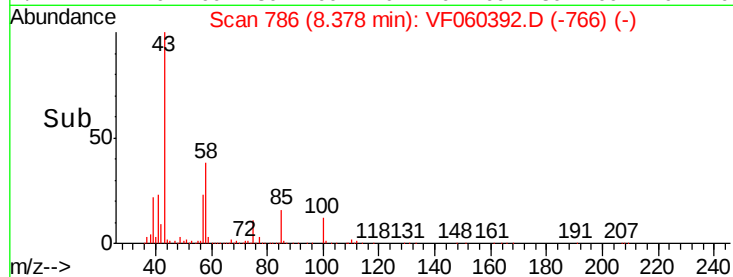
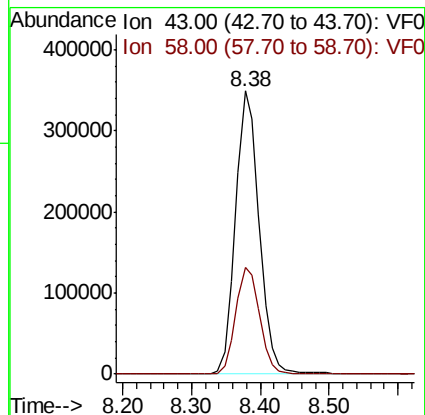
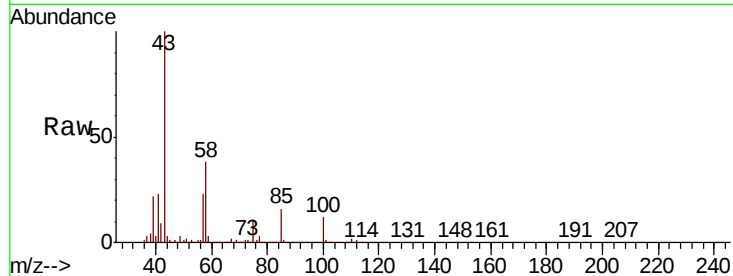
58 37.9 28.5 42.7

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#52

Toluene

Concen: 87.725 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060392.D

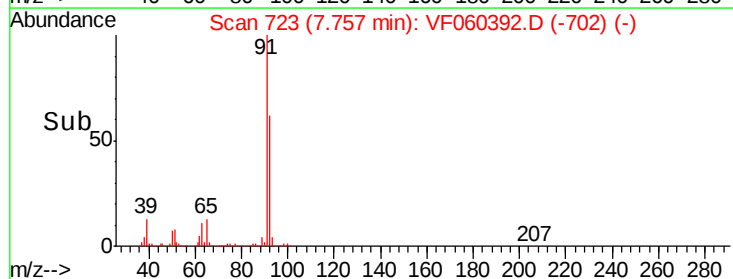
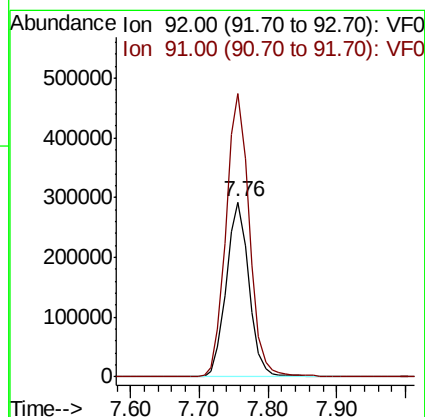
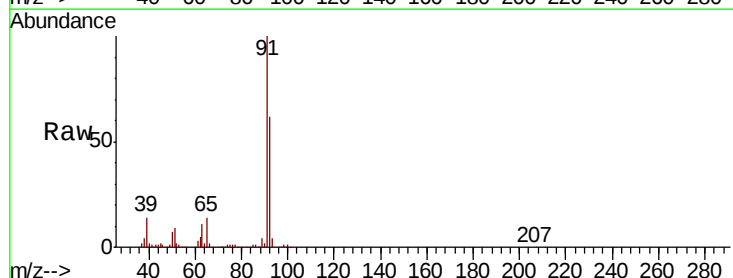
Acq: 1 Oct 2018 19:37

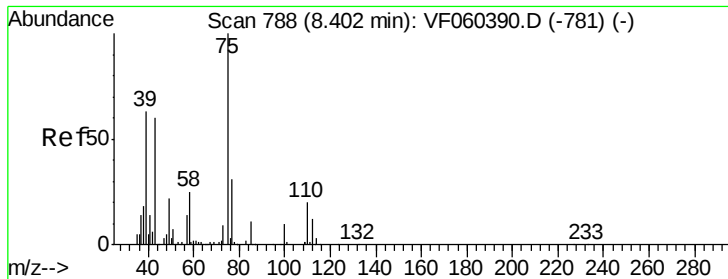
Tgt Ion: 92 Resp: 671653

Ion Ratio Lower Upper

92 100

91 161.6 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 95.066 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 417864

Ion Ratio Lower Upper

75 100

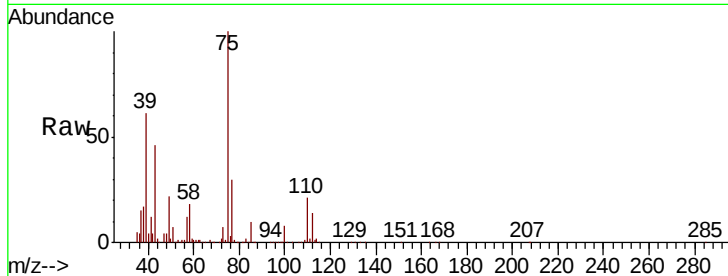
77 30.4 24.6 36.8

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

200000

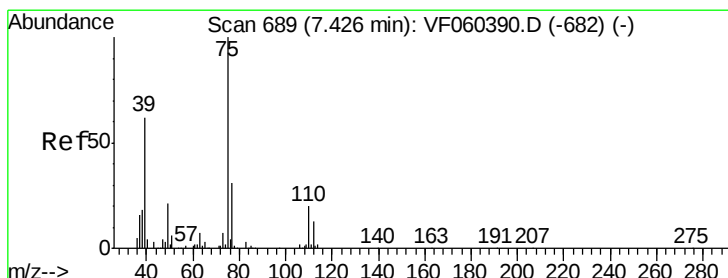
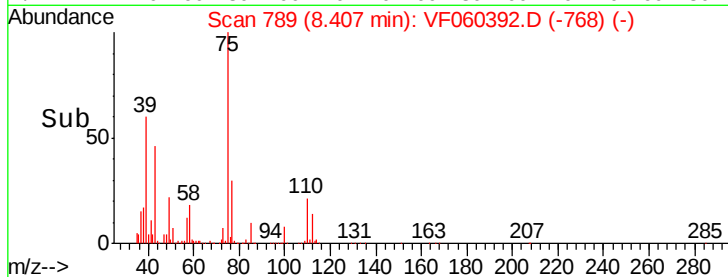
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 88.178 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

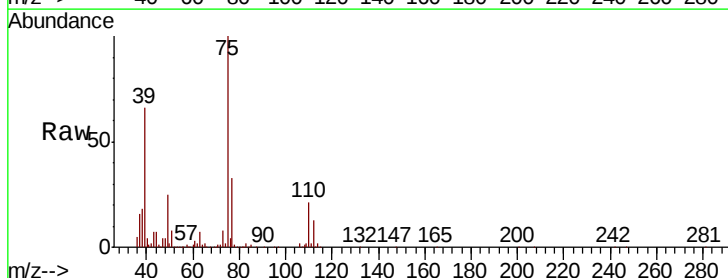
Tgt Ion: 75 Resp: 486337

Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

39 65.6 49.7 74.5



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

250000

200000

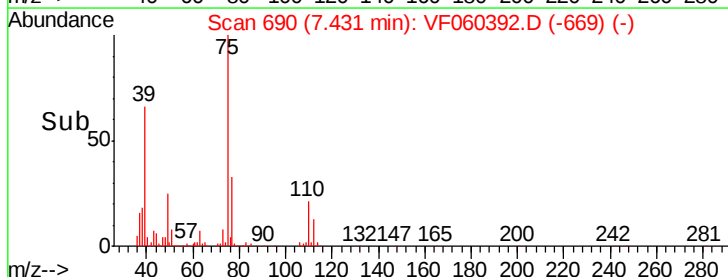
150000

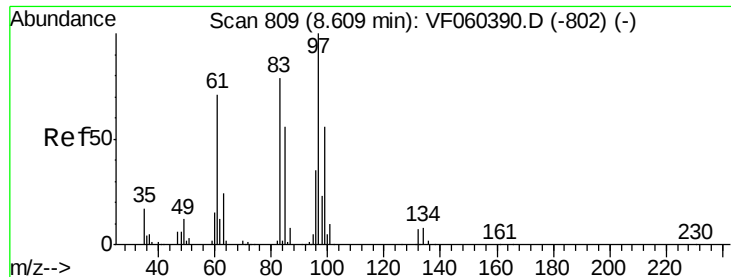
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 97.501 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

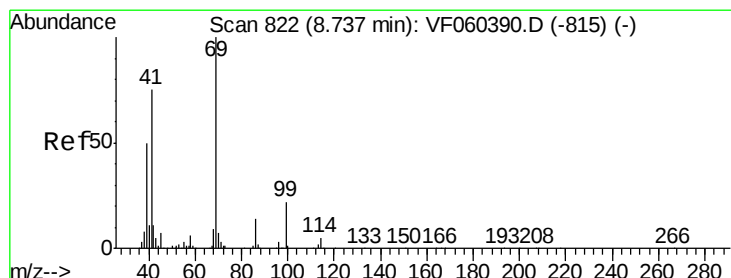
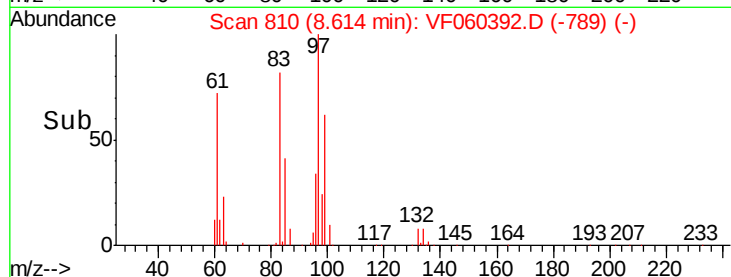
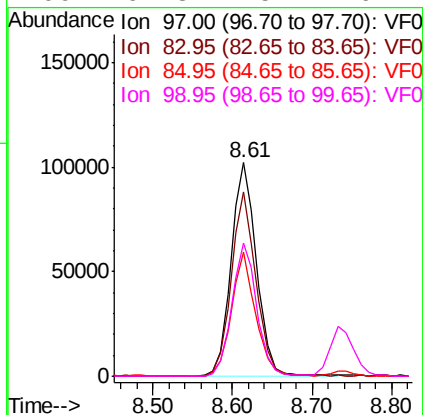
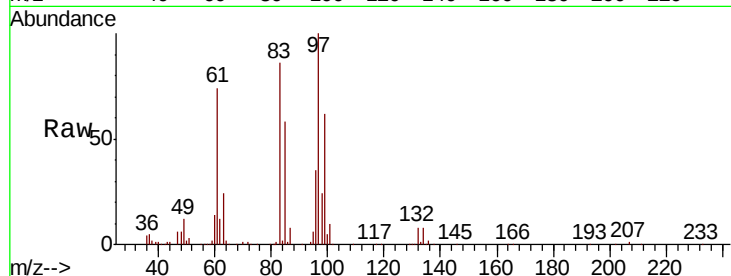
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		226498		
83	86.3	63.4	95.0		
85	58.1	44.5	66.7		
99	62.3	45.1	67.7		

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#56

Ethyl methacrylate

Concen: 93.004 ug/l

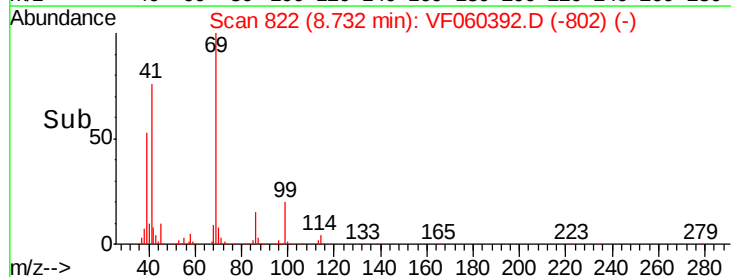
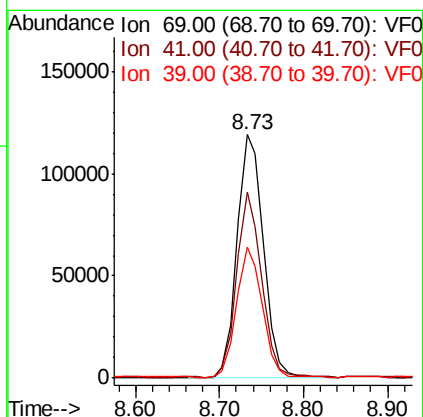
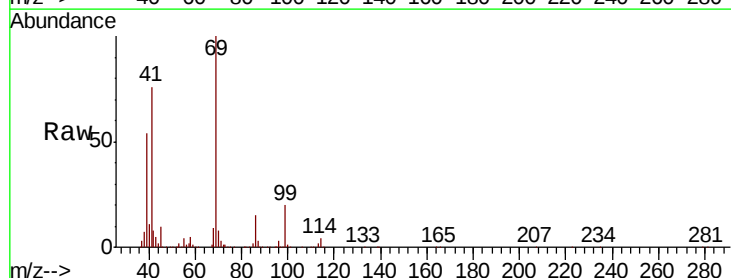
RT: 8.73 min Scan# 822

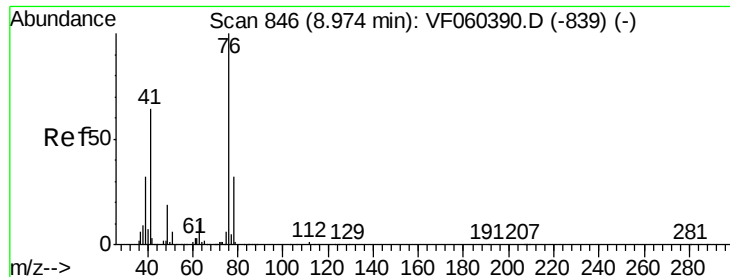
Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		261222		
41	76.2	60.2	90.4		
39	53.8	40.2	60.2		





#57

1,3-Dichloropropane

Concen: 98.748 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 381468

Ion Ratio Lower Upper

76 100

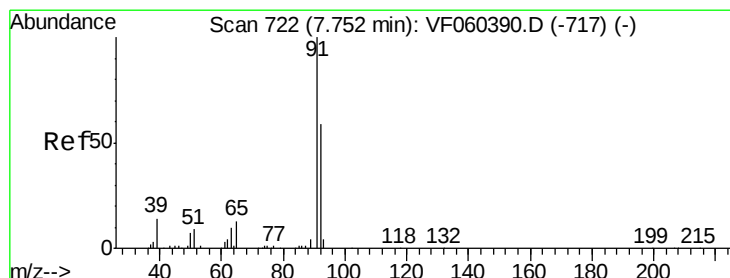
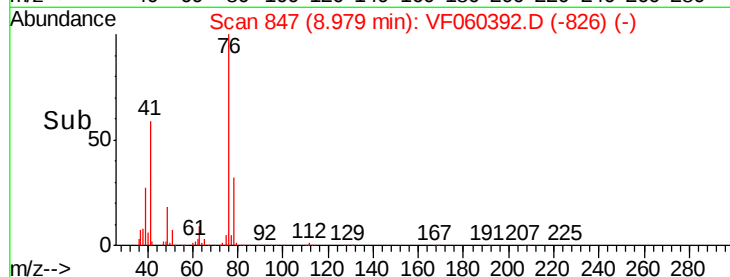
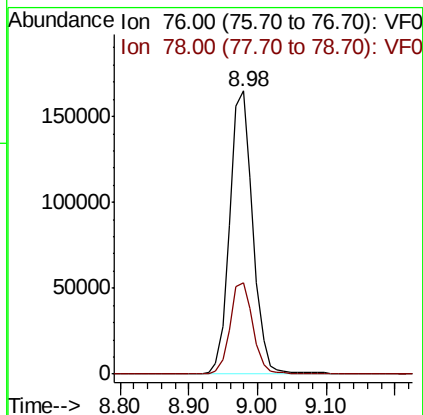
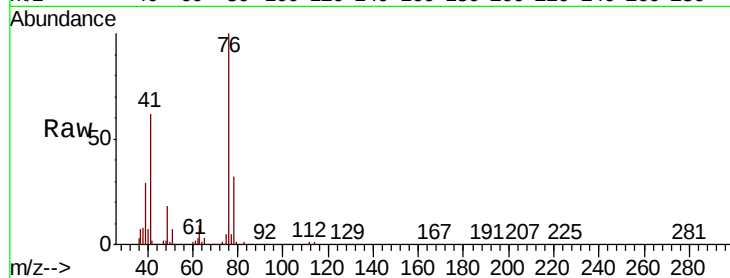
78 32.3 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 485.305 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060392.D

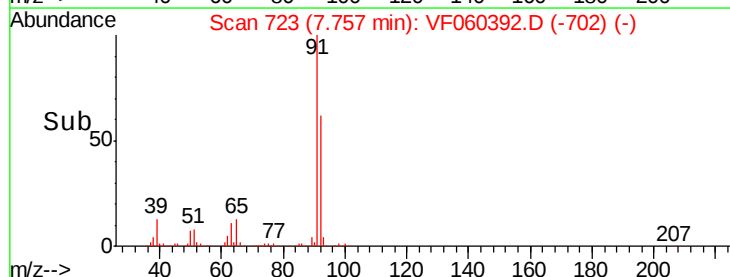
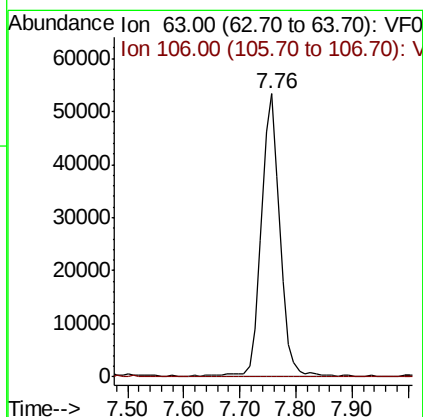
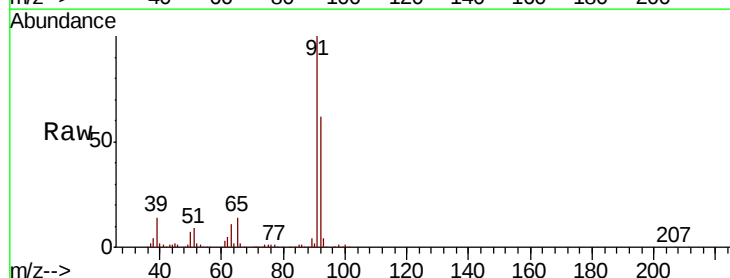
Acq: 1 Oct 2018 19:37

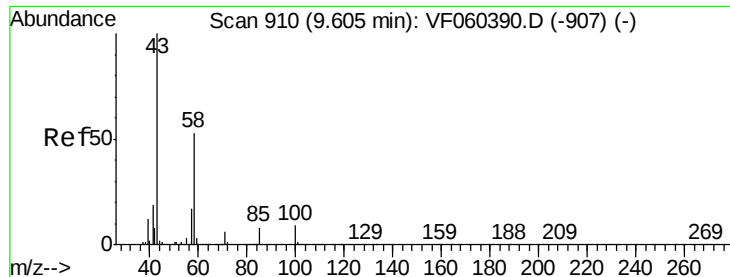
Tgt Ion: 63 Resp: 123548

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





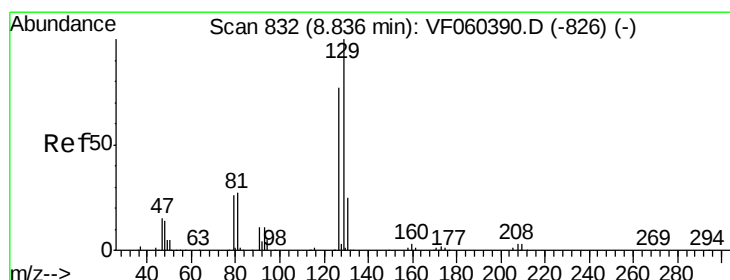
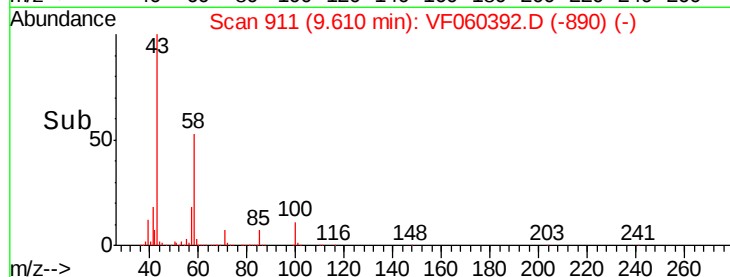
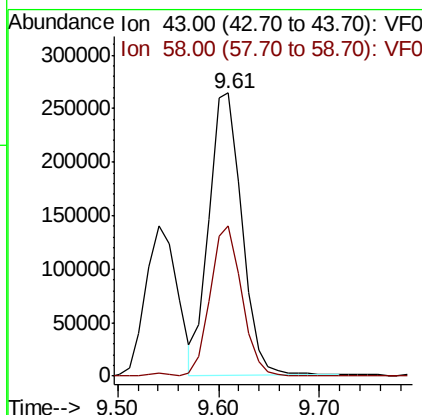
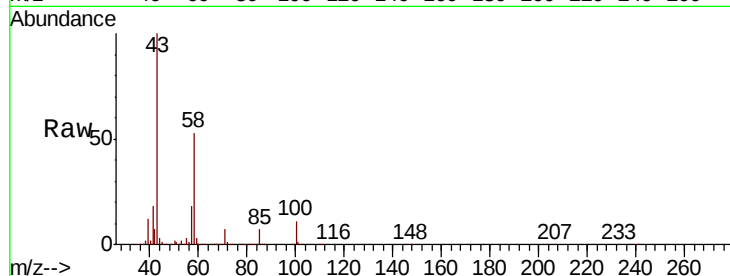
#59
2-Hexanone
Concen: 415.367 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	25.6	76.6

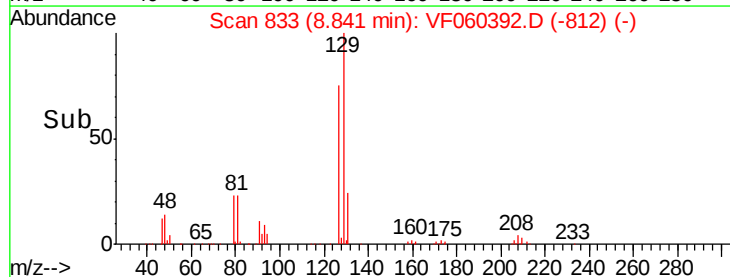
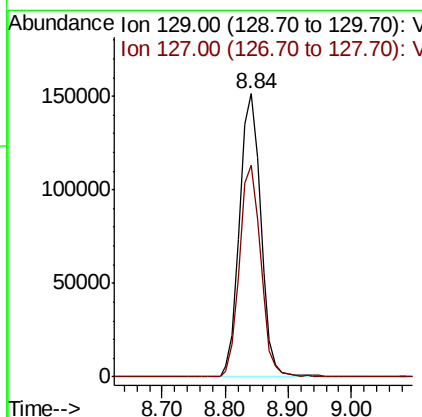
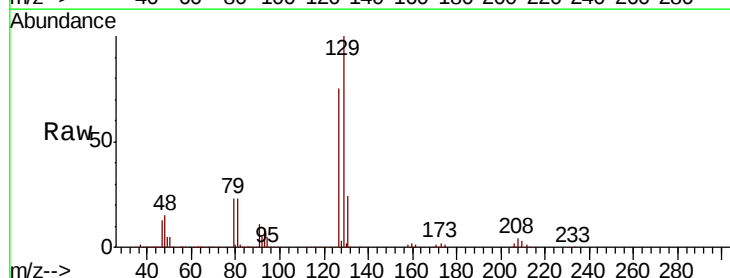
Manual Integrations
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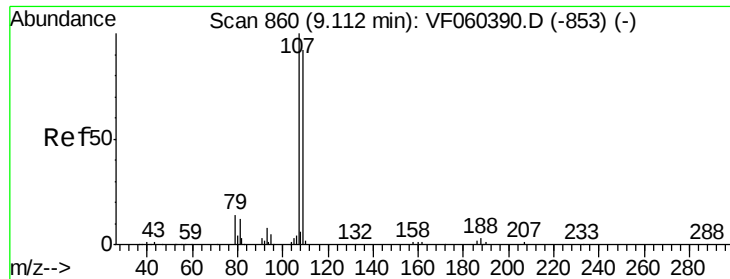
apatel
10/2/2018 12:29:42 PM



#60
Dibromochloromethane
Concen: 100.864 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.0	38.3	114.8





#61

1,2-Dibromoethane

Concen: 95.050 ug/l

RT: 9.11 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 248637

Ion Ratio Lower Upper

107 100

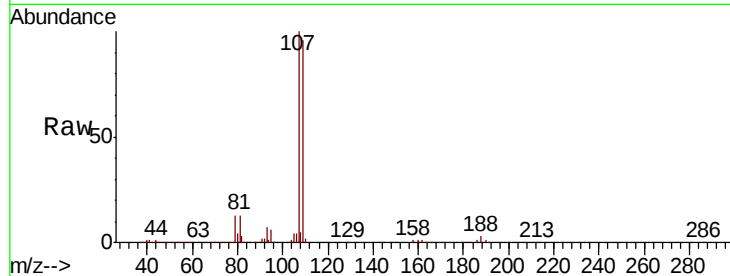
109 96.1 73.7 110.5

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

120000

100000

80000

60000

40000

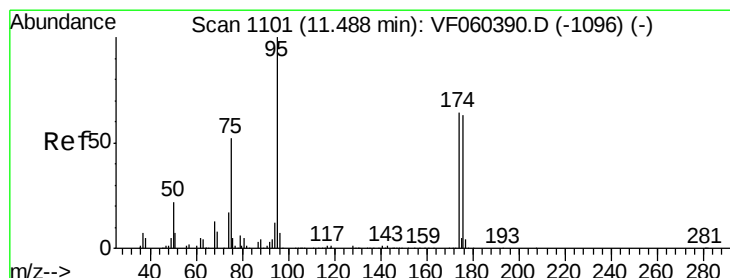
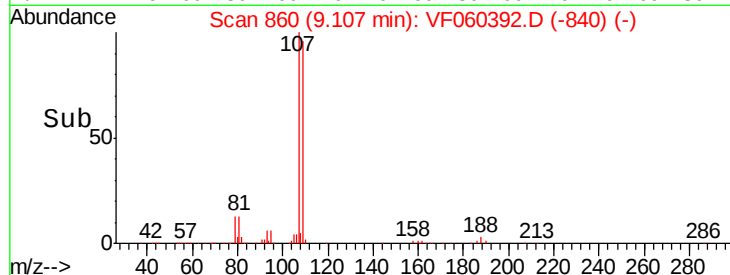
20000

0

9.11

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 97.844 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

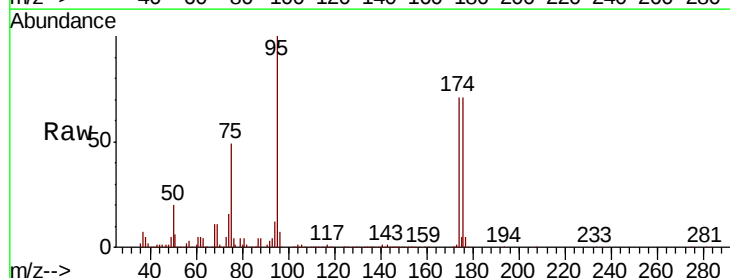
Tgt Ion: 95 Resp: 431677

Ion Ratio Lower Upper

95 100

174 71.1 0.0 129.0

176 70.7 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

300000

200000

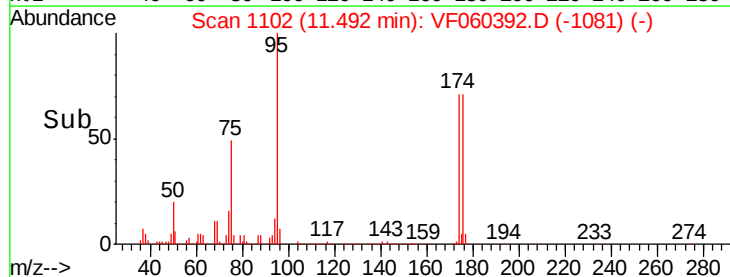
100000

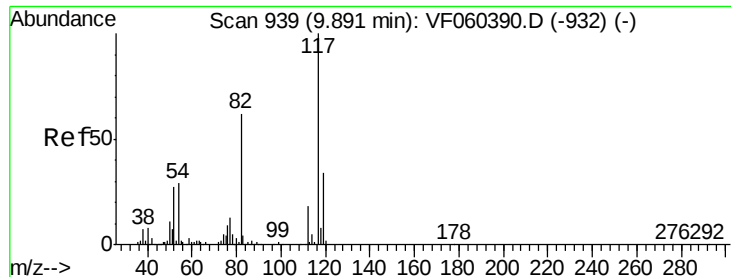
0

11.49

11.40 11.50 11.60

Time-->





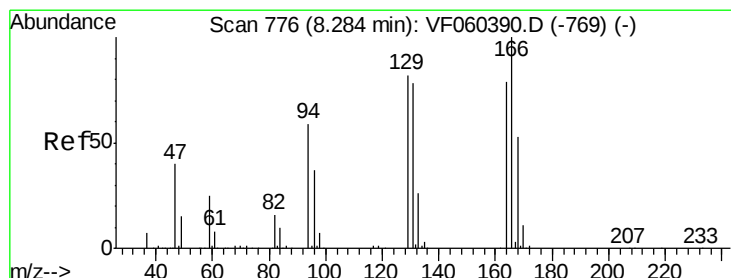
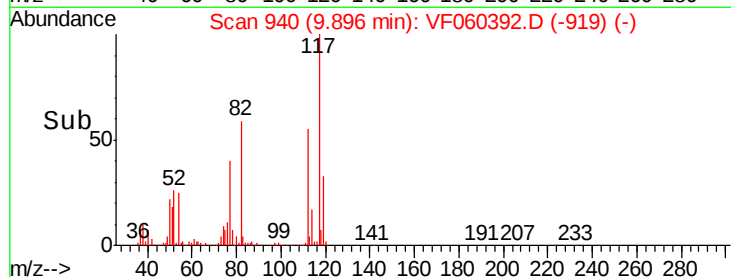
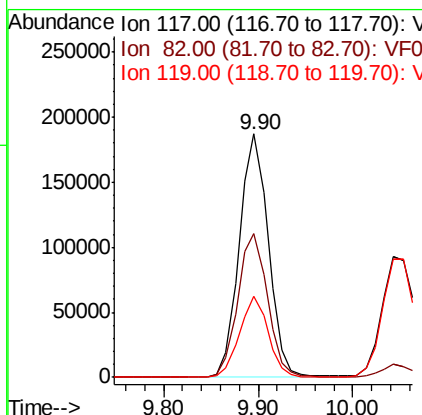
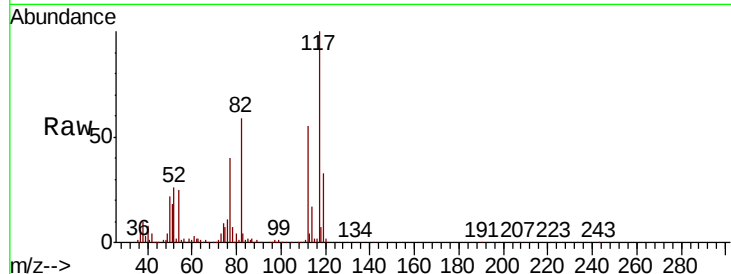
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	399712		
82	59.2		49.5	74.3
119	33.1		27.0	40.6

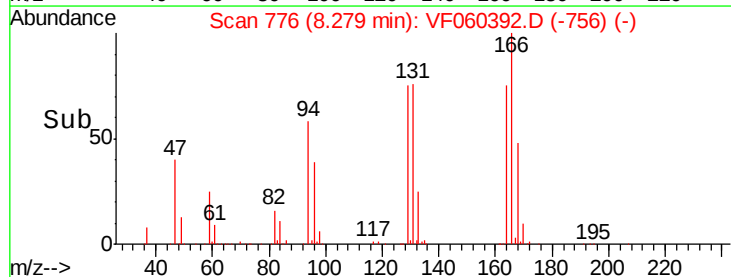
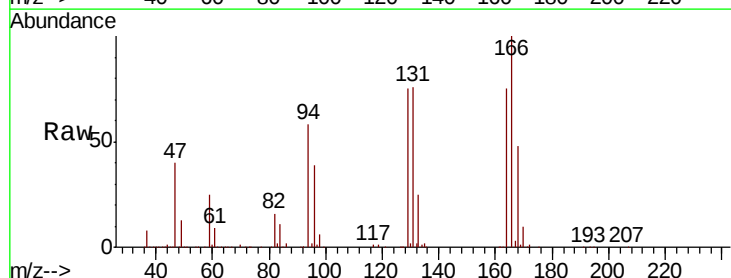
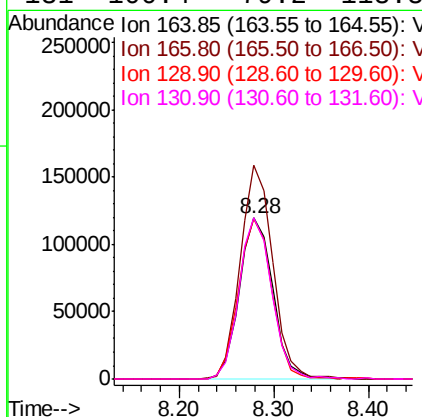
Manual Integrations
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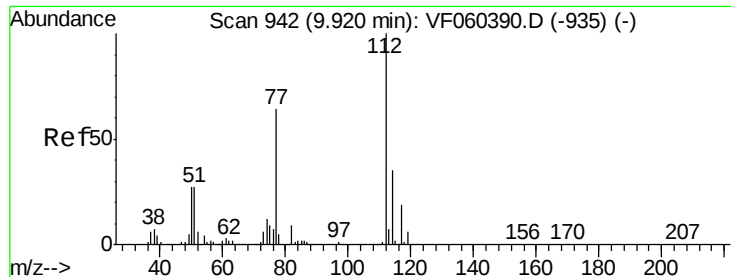
apatel
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#64
Tetrachloroethene
Concen: 82.153 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	293145		
166	132.5		101.0	151.6
129	99.2		82.5	123.7
131	100.4		79.2	118.8





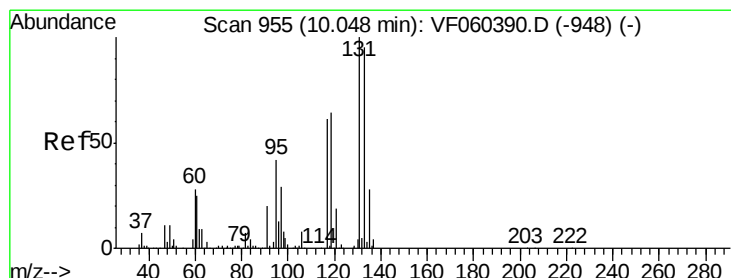
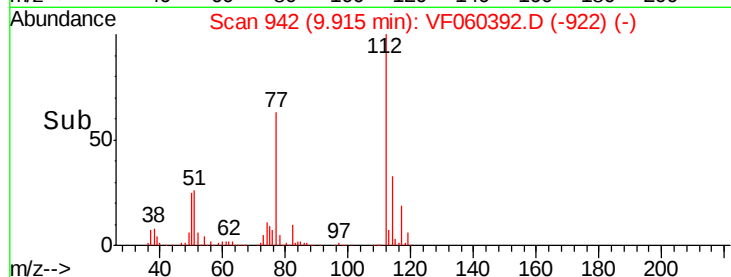
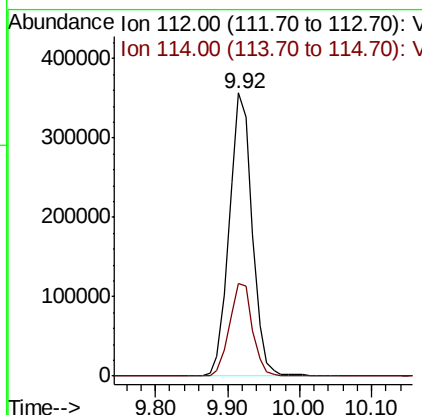
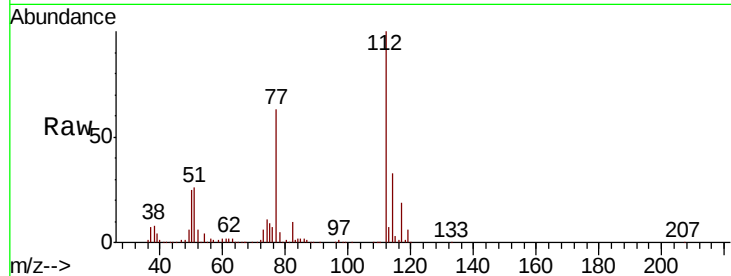
#65
Chlorobenzene
Concen: 88.478 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.7	41.5

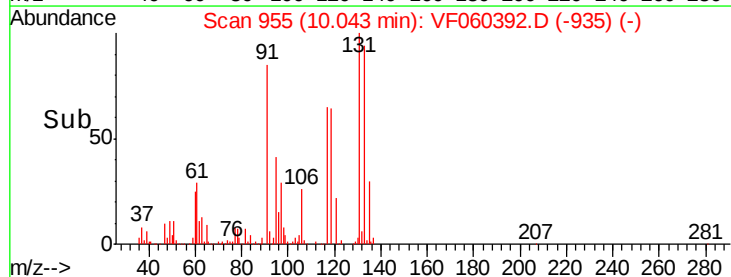
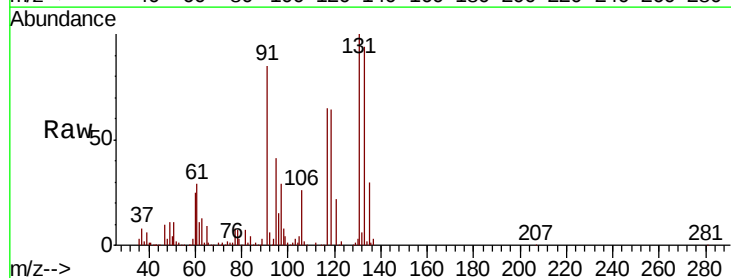
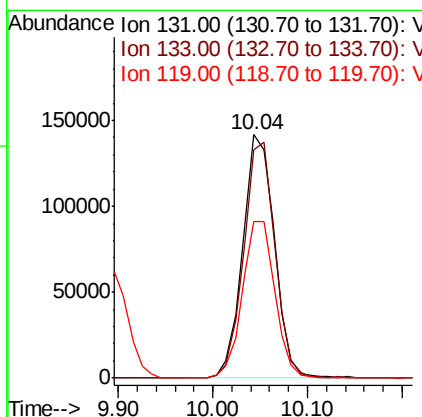
Manual Integrations
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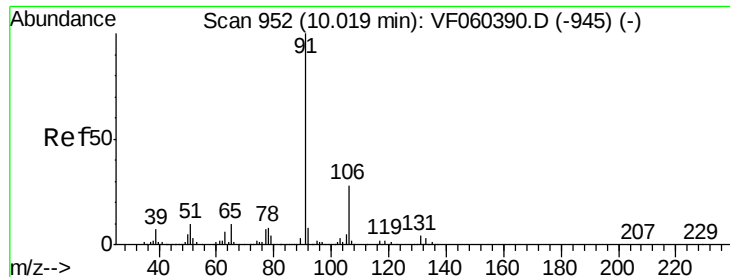
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 87.574 ug/l
RT: 10.04 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	141.8
119	64.1	32.3	96.9





#67

Ethyl Benzene

Concen: 83.713 ug/l

RT: 10.01 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1392814

Ion Ratio Lower Upper

91 100

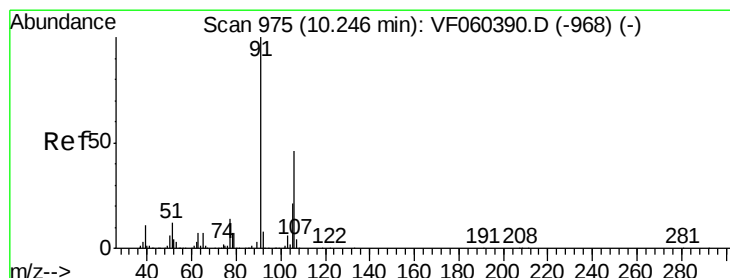
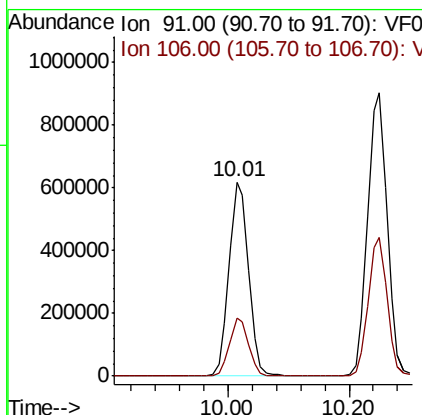
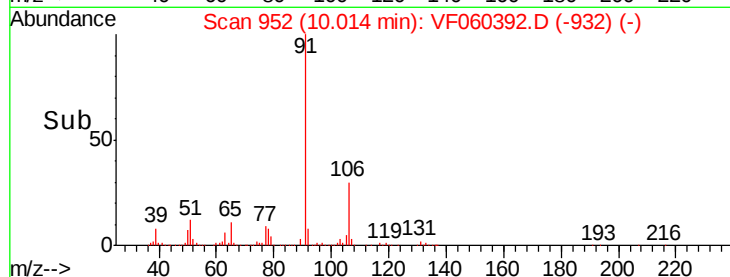
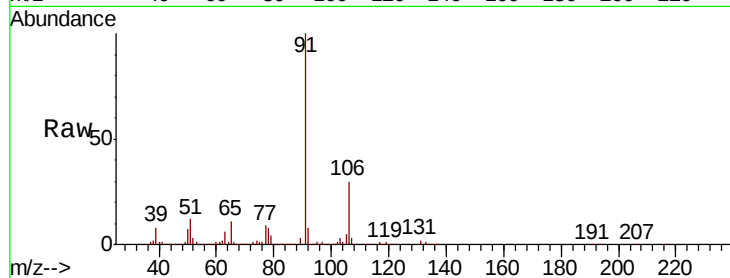
106 30.2 22.5 33.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 168.268 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.00 min

Lab File: VF060392.D

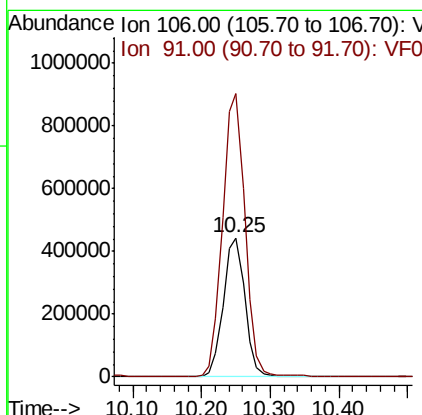
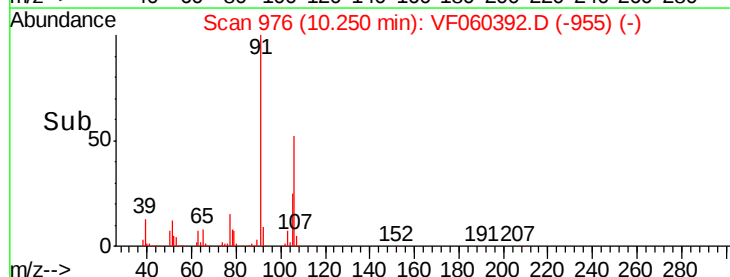
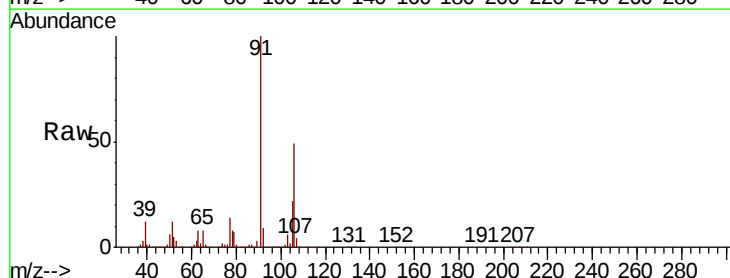
Acq: 1 Oct 2018 19:37

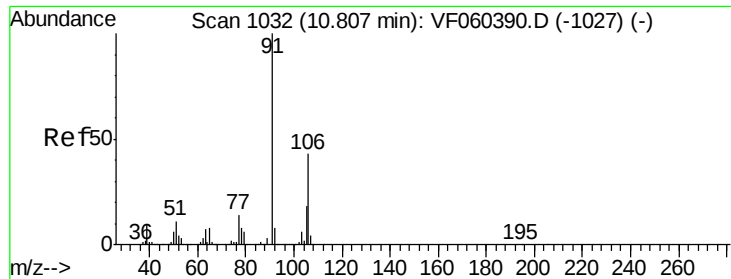
Tgt Ion: 106 Resp: 966362

Ion Ratio Lower Upper

106 100

91 203.2 175.0 262.6





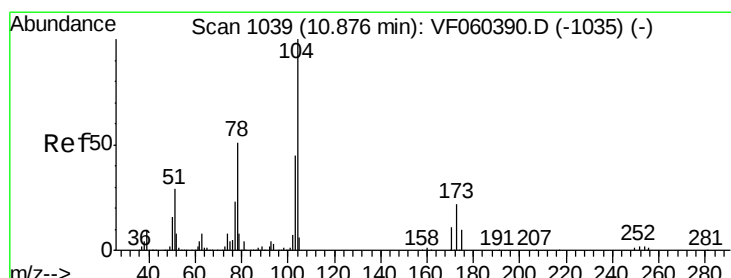
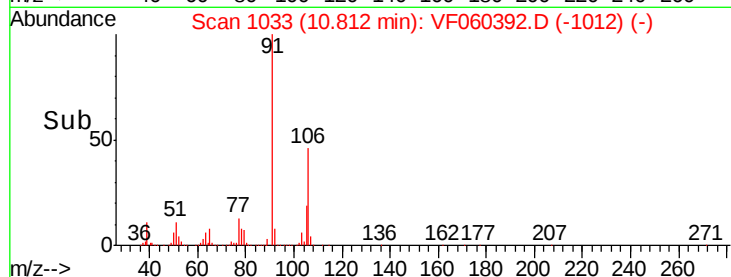
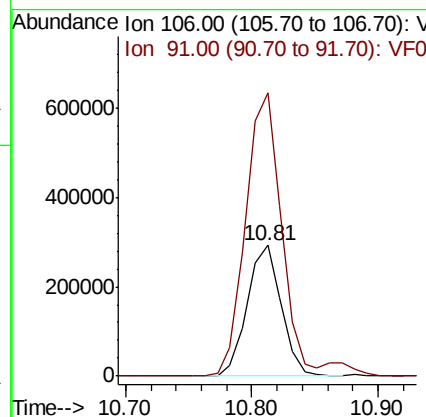
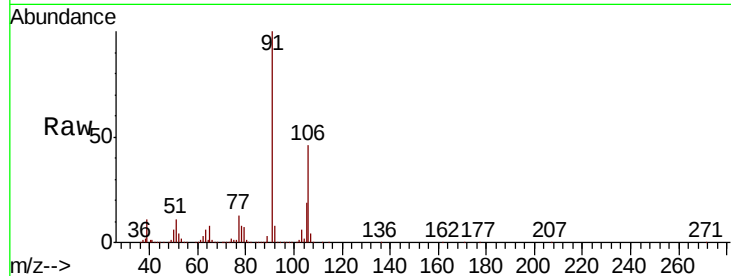
#69
o-Xylene
Concen: 85.006 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	546357		
91	91	216.4	115.1	345.2	

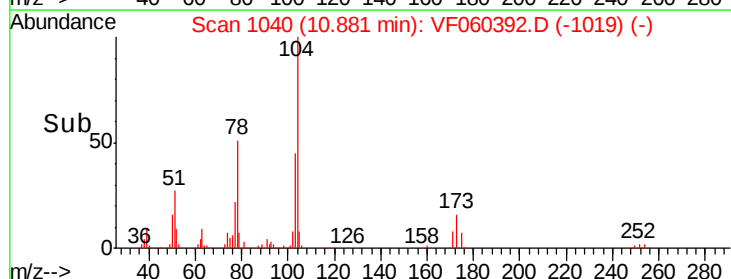
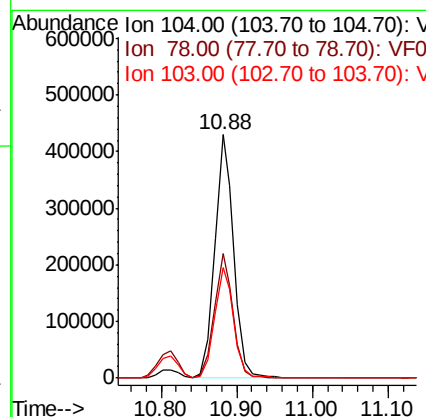
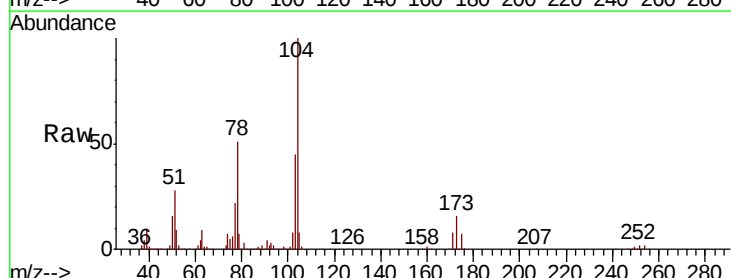
Manual Integrations
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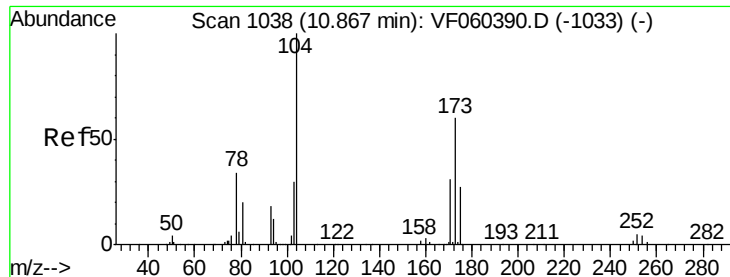
apatel
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#70
Styrene
Concen: 83.022 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	750519		
78	78	51.2	41.0	61.4	
103	103	45.3	36.4	54.6	





#71

Bromoform

Concen: 92.496 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

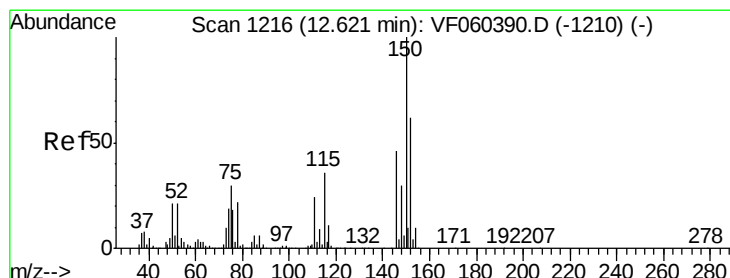
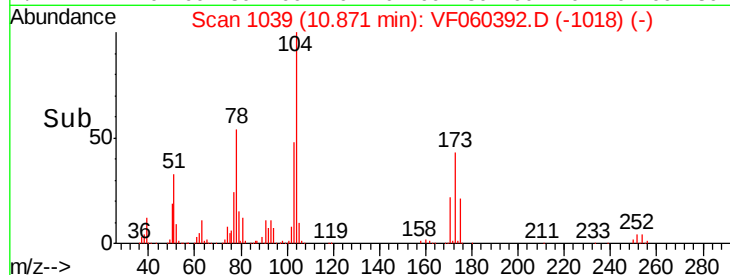
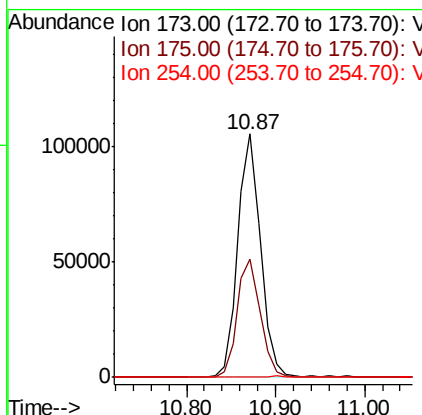
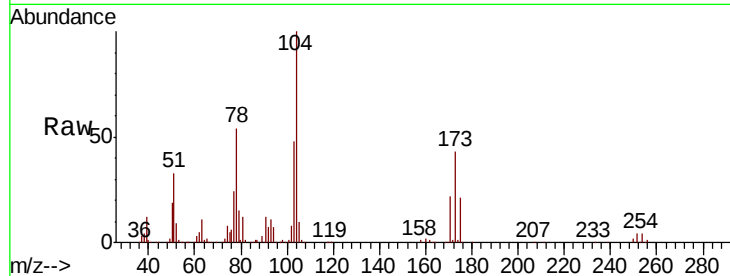
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	22.1	66.1
254	0.2	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

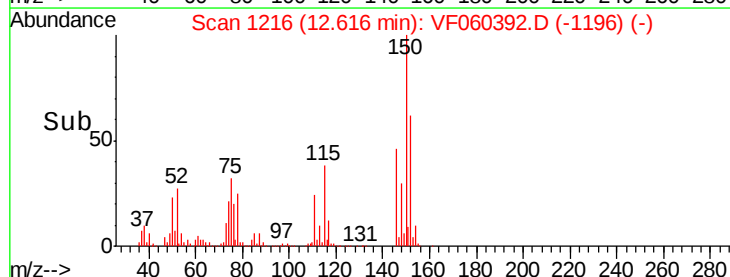
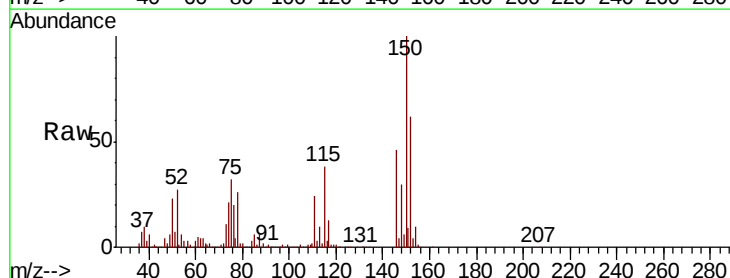
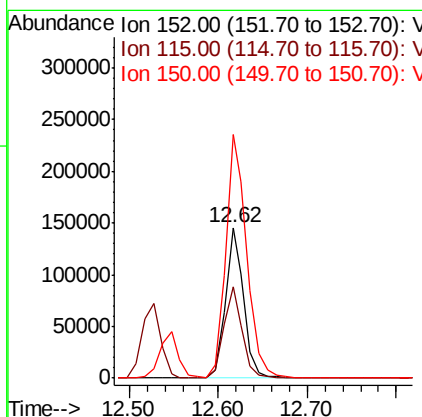
RT: 12.62 min Scan# 1216

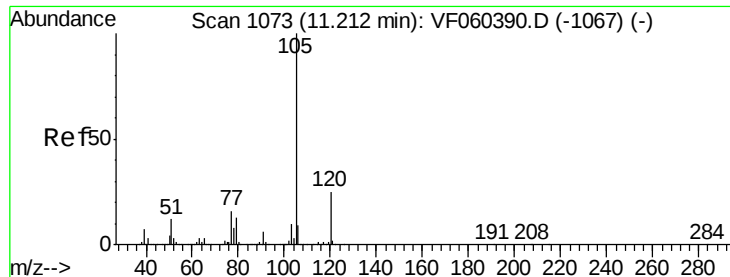
Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	28.6	85.8
150	162.0	0.0	324.6





#73

Isopropylbenzene

Concen: 81.625 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 1512971

Ion Ratio Lower Upper

105 100

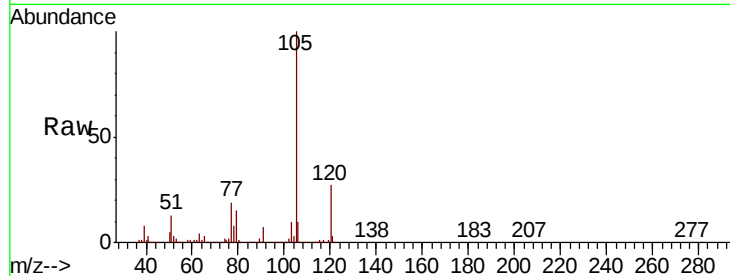
120 26.8 12.3 36.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

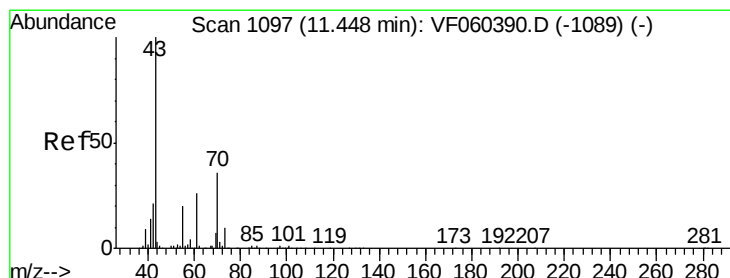
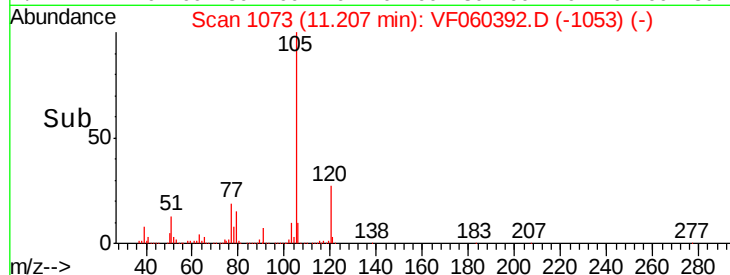
0

11.21

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 97.345 ug/l

RT: 11.44 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion: 43 Resp: 390894

Ion Ratio Lower Upper

43 100

70 35.6 29.1 43.7

55 19.9 16.3 24.5

61 26.9 21.0 31.4

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

300000

200000

100000

0

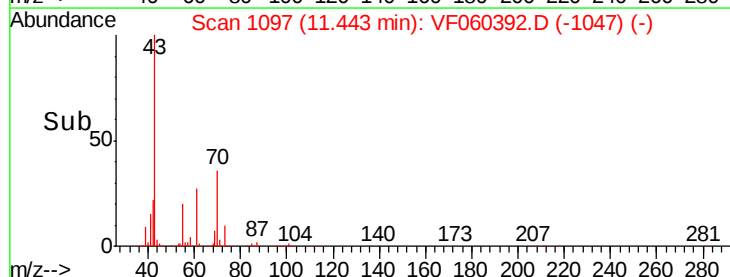
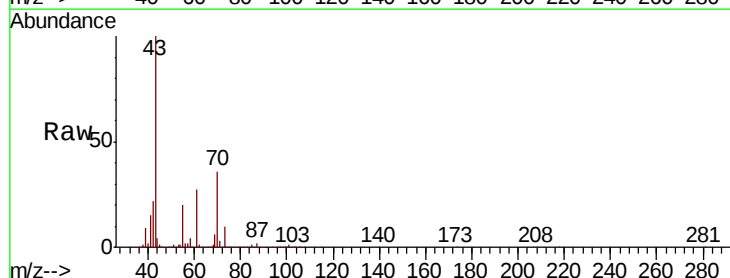
11.44

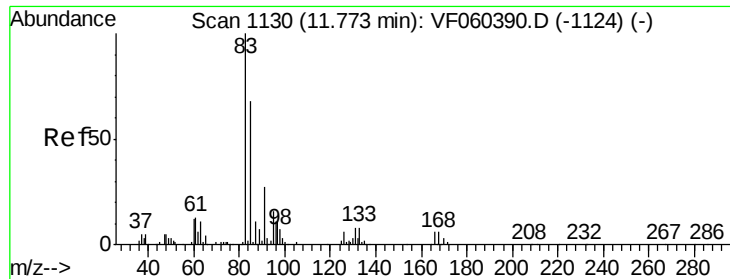
11.30

11.50

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 88.811 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

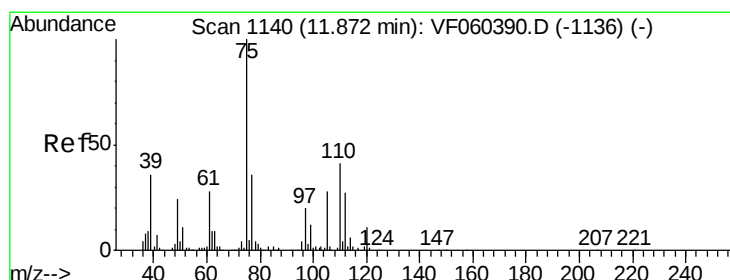
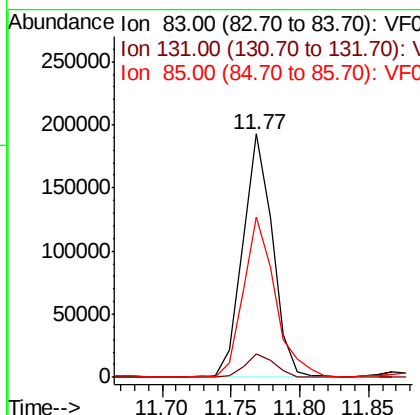
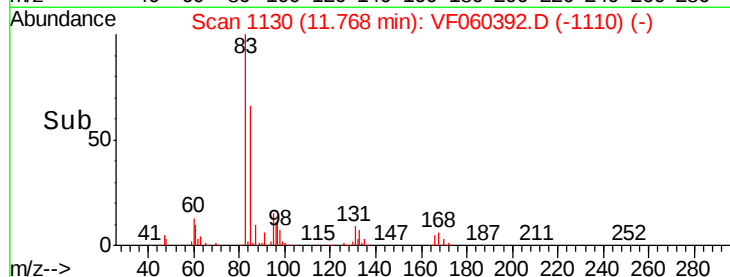
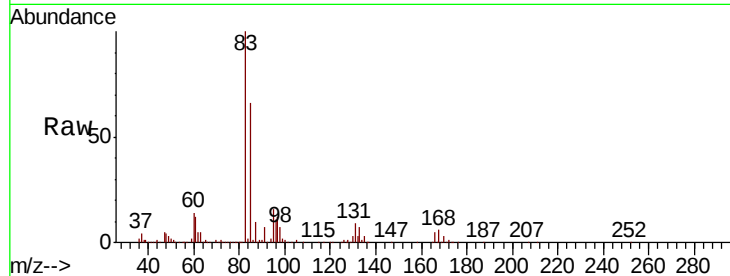
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.0	12.0
85	66.0	34.0	102.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 92.264 ug/l

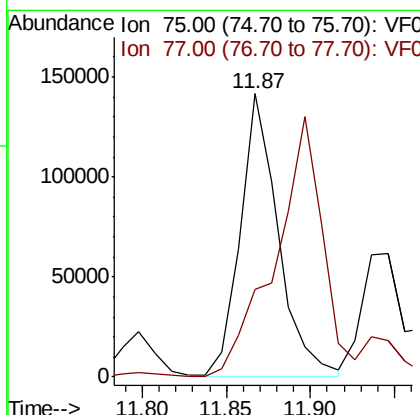
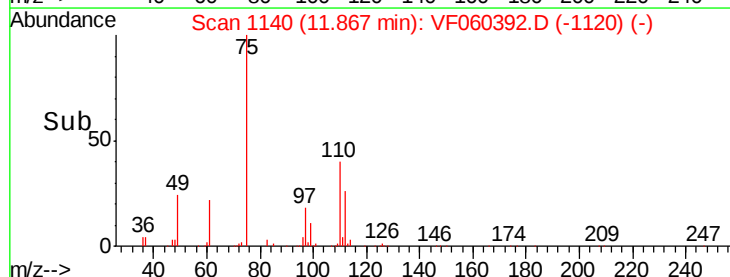
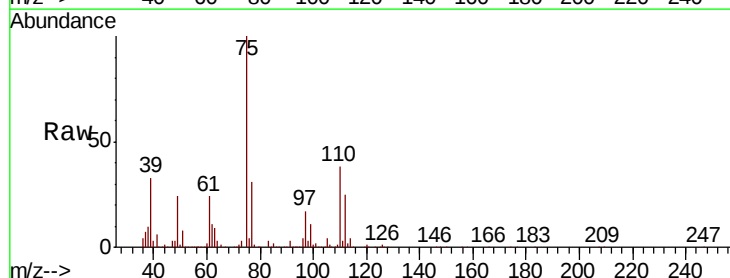
RT: 11.87 min Scan# 1140

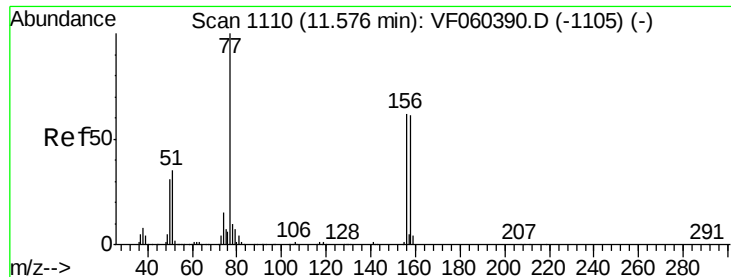
Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	18.1	54.4





#77

Bromobenzene

Concen: 85.900 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

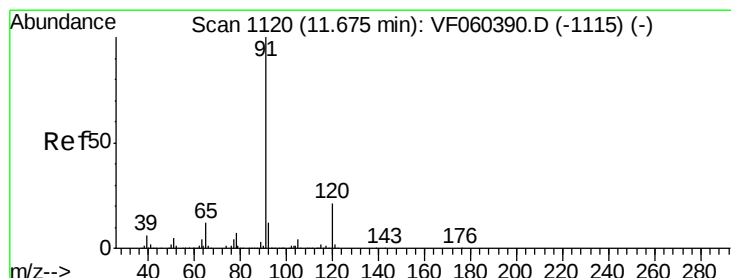
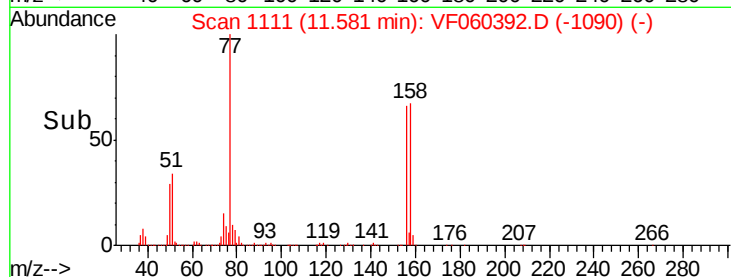
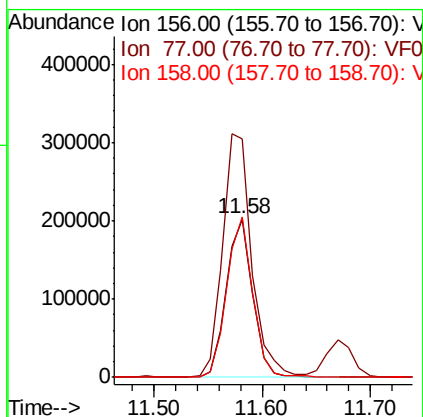
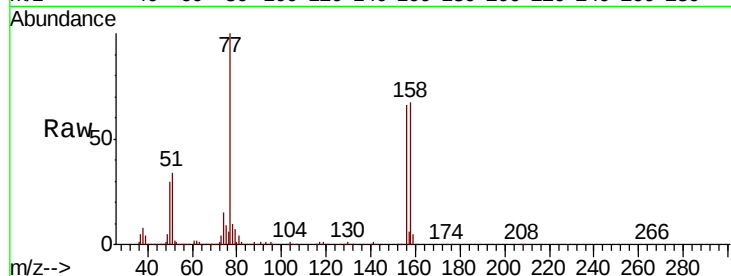
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	151.3	81.3	243.9	
158	101.3	49.6	149.0	

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#78

n-propylbenzene

Concen: 82.603 ug/l

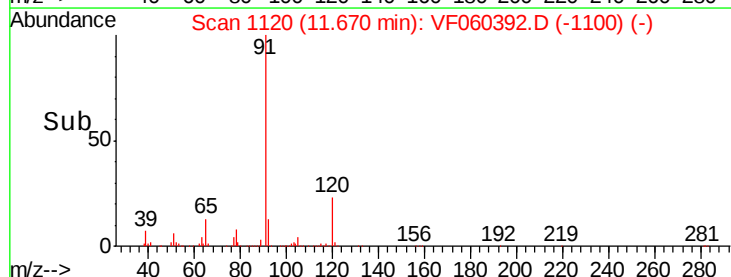
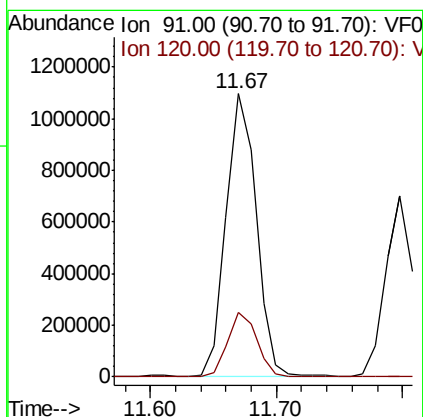
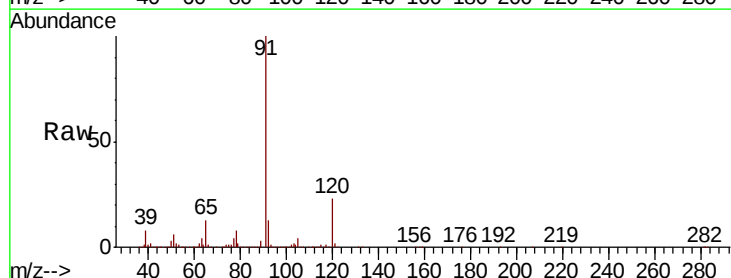
RT: 11.67 min Scan# 1120

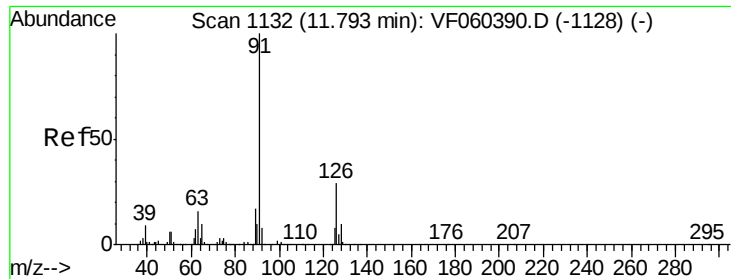
Delta R.T. -0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.7	10.5	31.6	





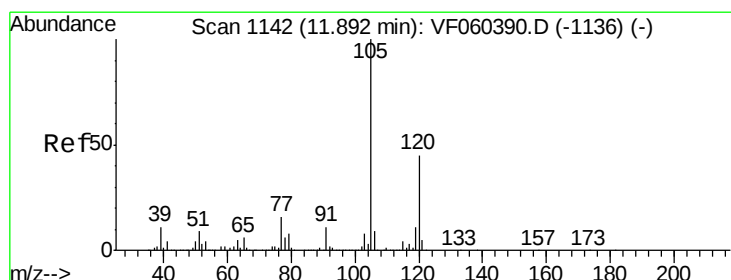
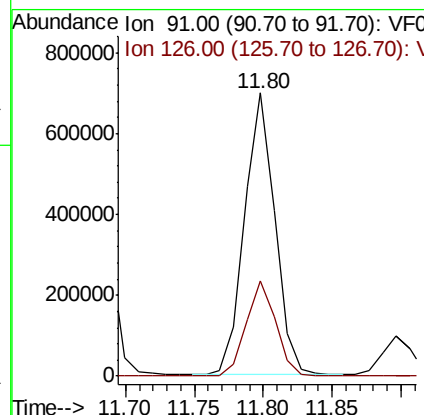
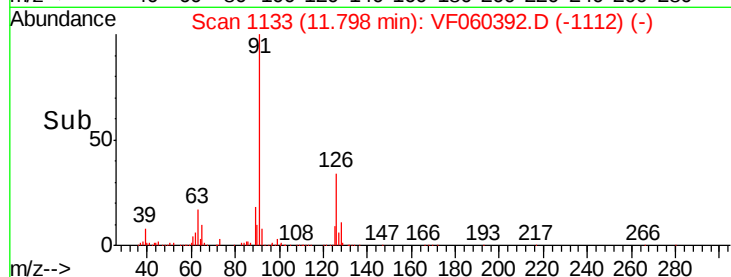
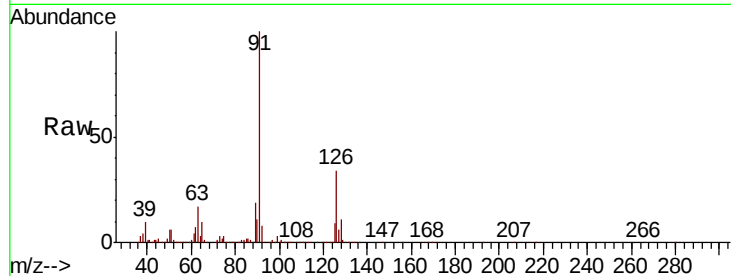
#79
 2-Chlorotoluene
 Concen: 84.922 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1077963
 Ion Ratio Lower Upper
 91 100
 126 33.6 14.4 43.4

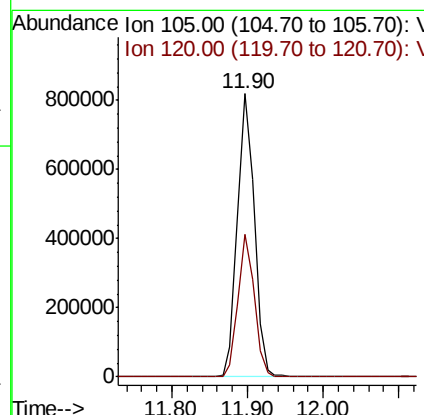
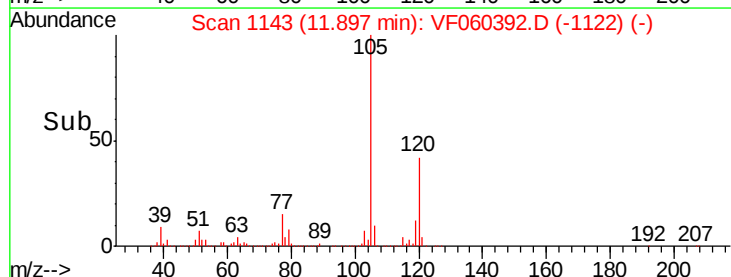
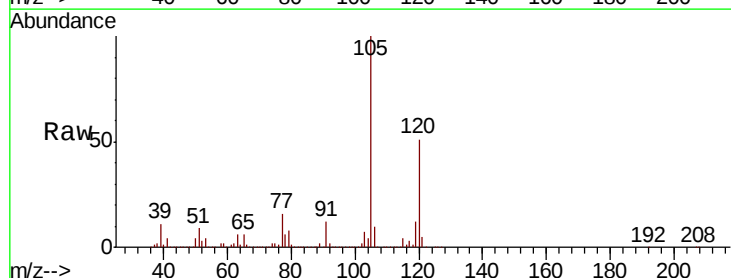
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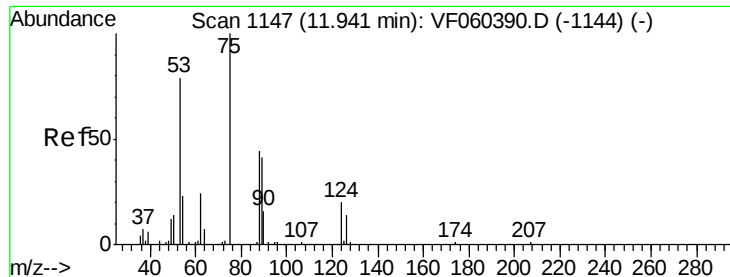
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#80
 1,3,5-Trimethylbenzene
 Concen: 83.993 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Tgt Ion: 105 Resp: 1259166
 Ion Ratio Lower Upper
 105 100
 120 50.6 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 77.651 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 96449

Ion Ratio Lower Upper

75 100

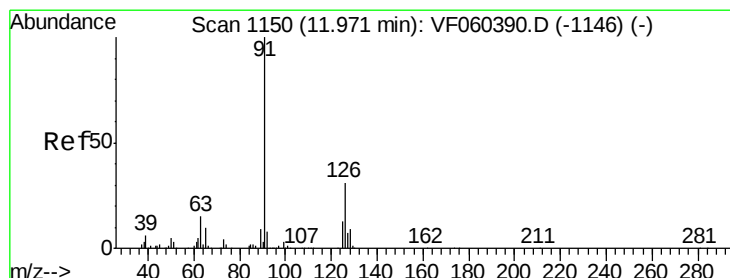
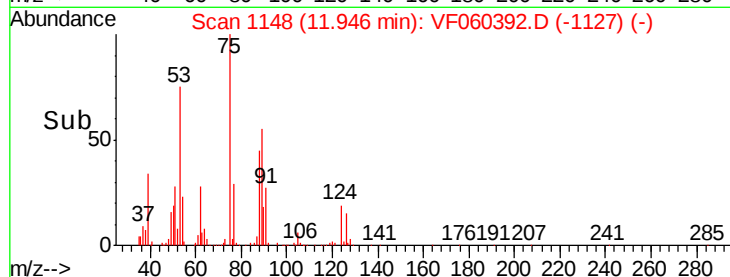
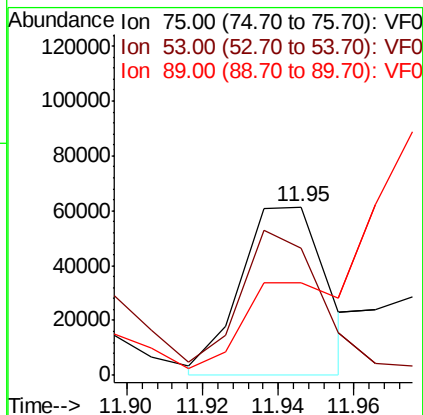
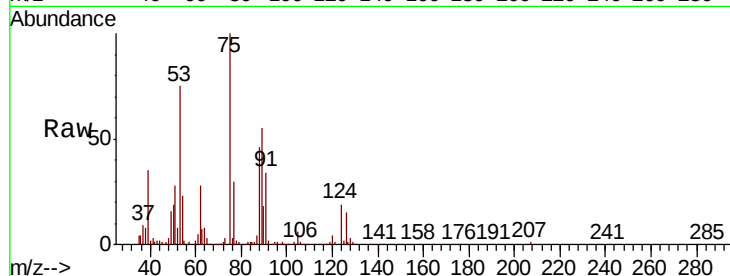
53 75.3 67.8 101.8

89 54.8 36.7 55.1

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#82

4-Chlorotoluene

Concen: 88.562 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF060392.D

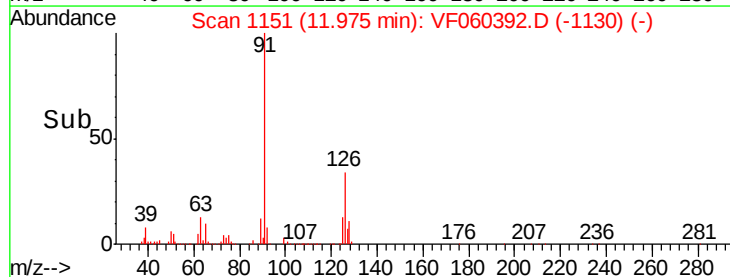
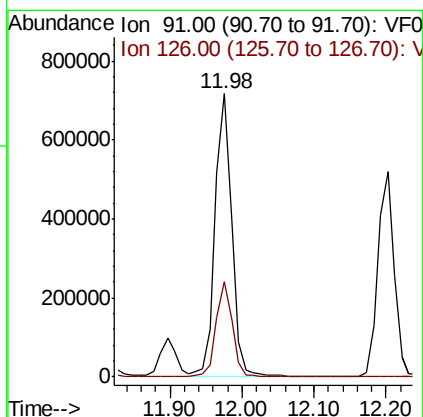
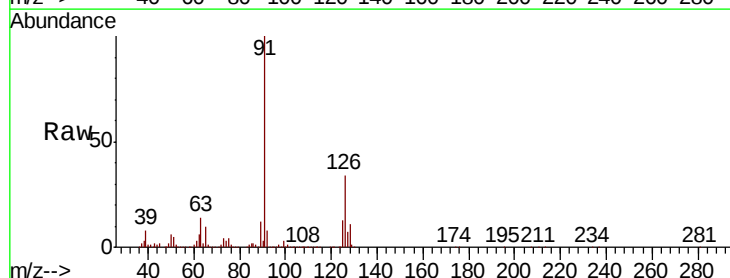
Acq: 1 Oct 2018 19:37

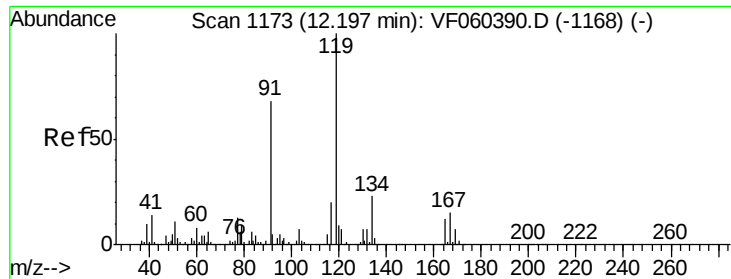
Tgt Ion: 91 Resp: 1124565

Ion Ratio Lower Upper

91 100

126 33.8 15.7 47.0





#83

tert-Butylbenzene

Concen: 83.346 ug/l

RT: 12.20 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1270278

Ion Ratio Lower Upper

119 100

91 65.0 34.0 102.0

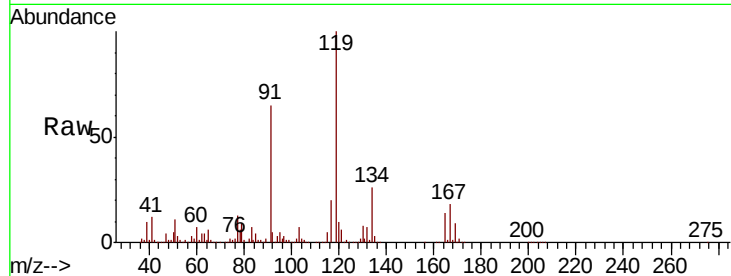
134 25.6 11.7 35.0

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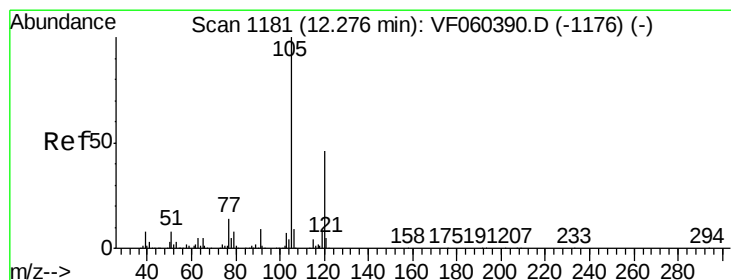
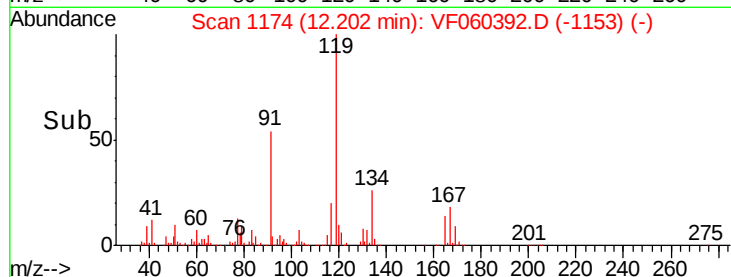
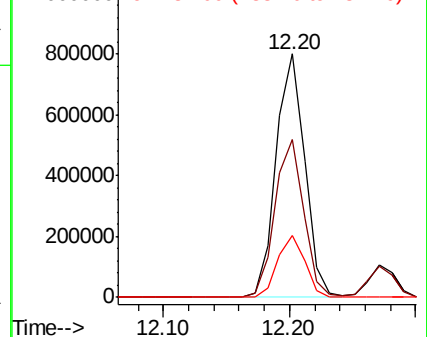
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 84.297 ug/l

RT: 12.27 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VF060392.D

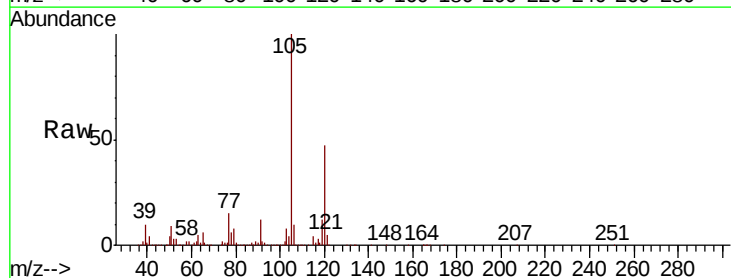
Acq: 1 Oct 2018 19:37

Tgt Ion:105 Resp: 1290299

Ion Ratio Lower Upper

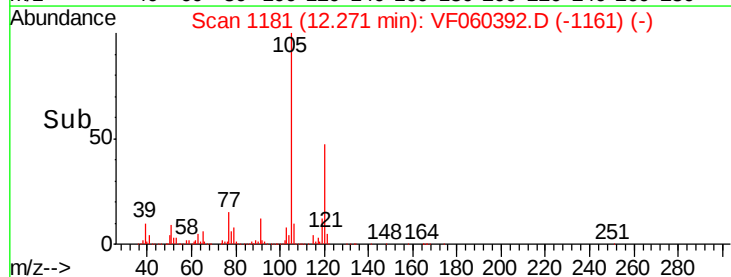
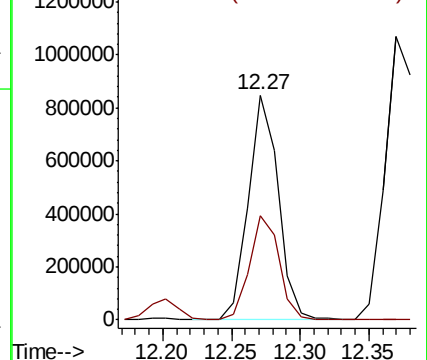
105 100

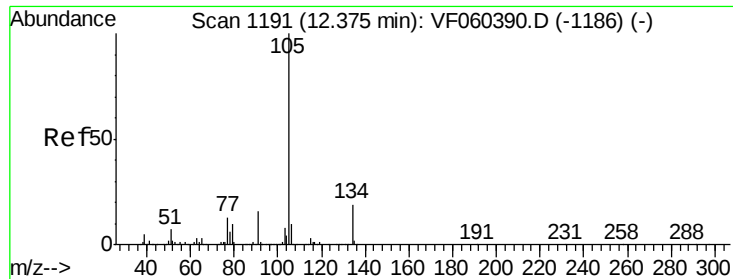
120 46.5 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





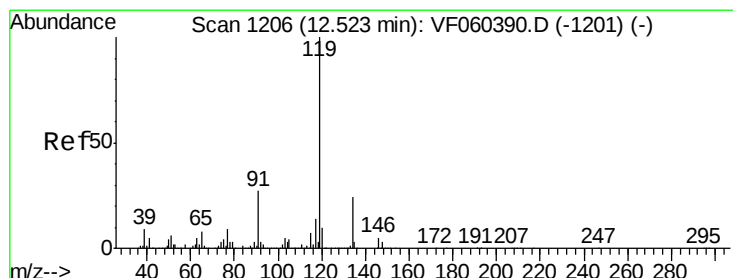
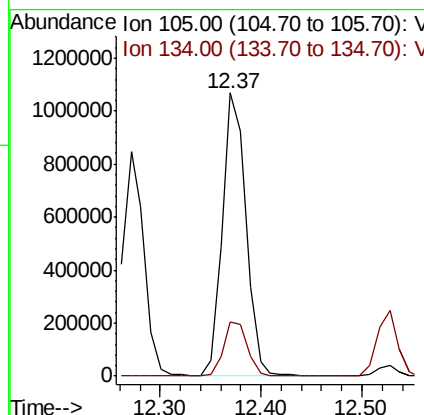
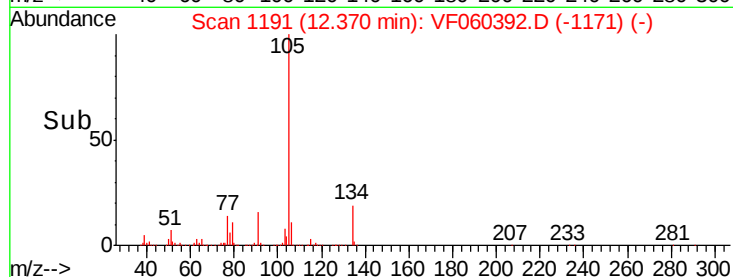
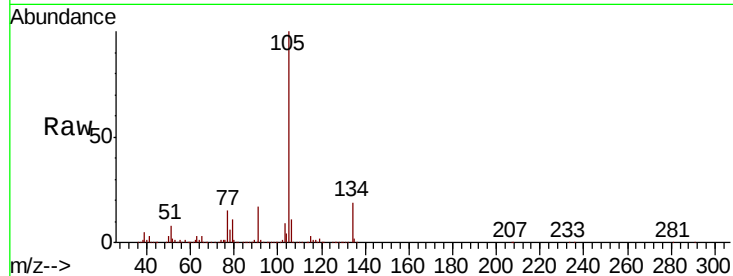
#85
 sec-Butylbenzene
 Concen: 83.011 ug/l
 RT: 12.37 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1742164
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.4 28.3

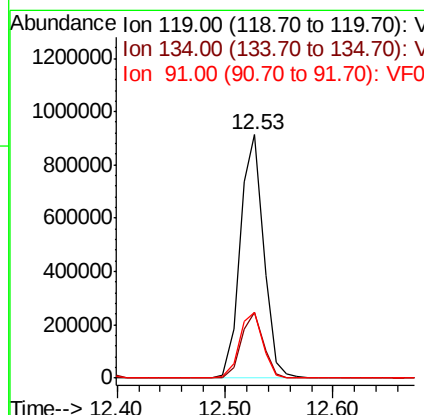
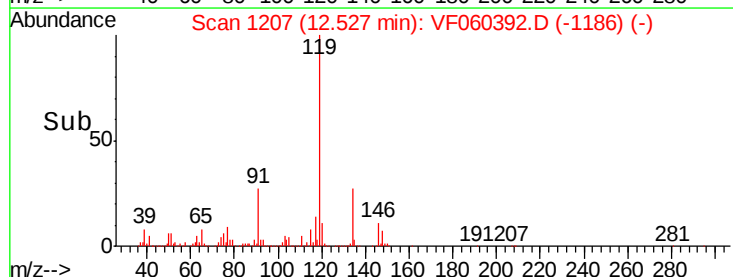
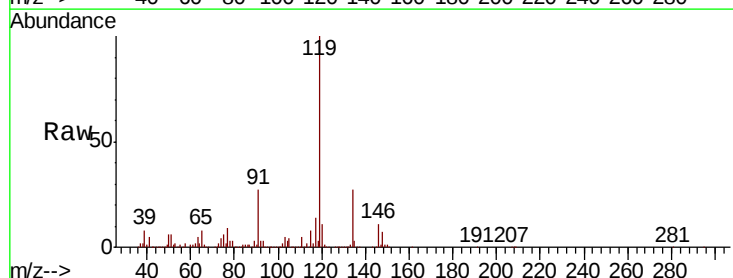
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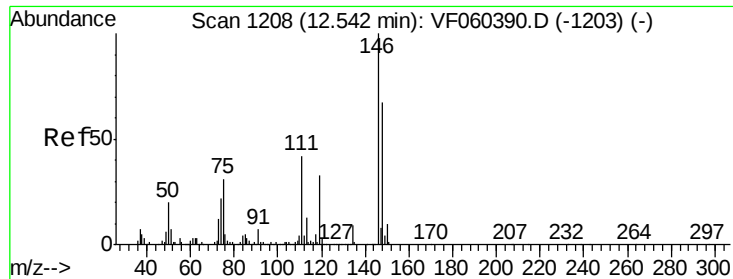
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#86
 p-Isopropyltoluene
 Concen: 82.053 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Tgt Ion:119 Resp: 1370529
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.3 36.8
 91 27.1 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 84.878 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

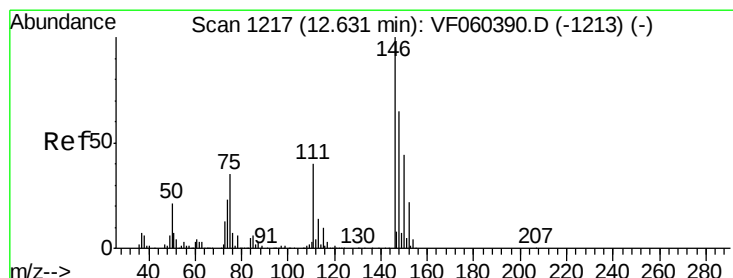
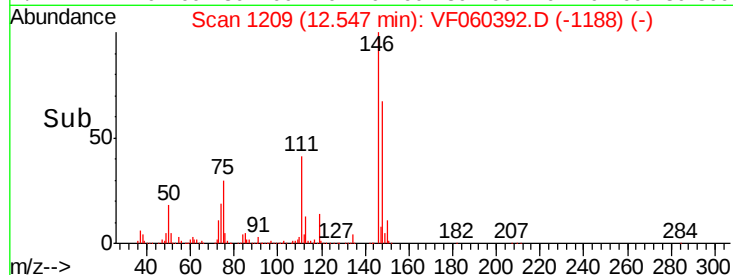
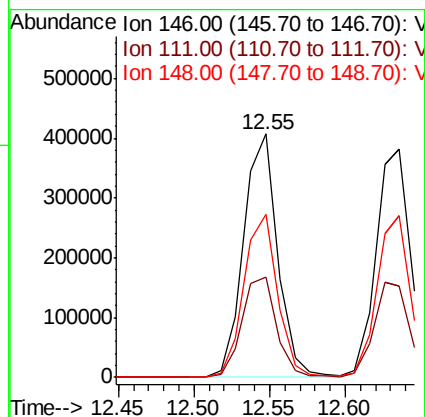
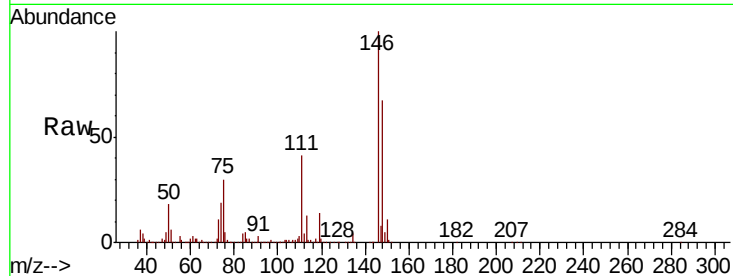
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	638184
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.9	62.7
148	66.8	33.6	100.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 83.838 ug/l

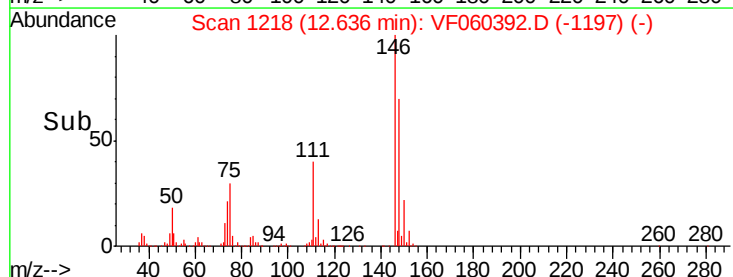
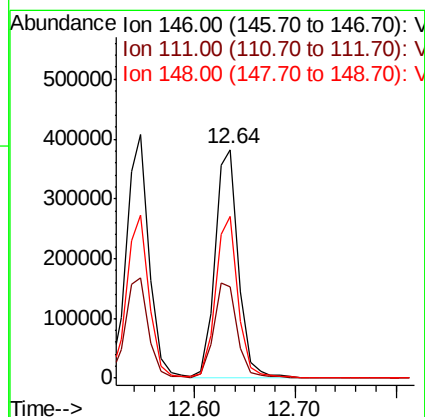
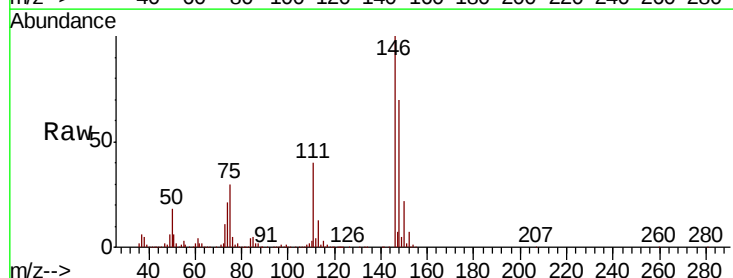
RT: 12.64 min Scan# 1218

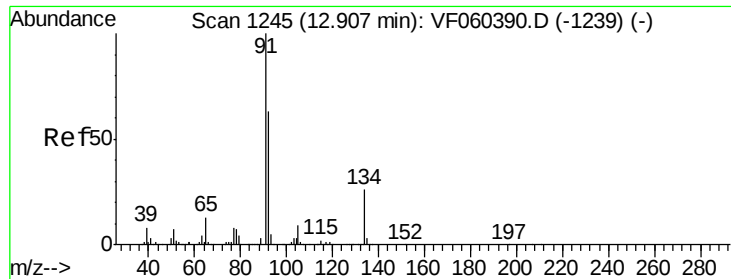
Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion:	146	Resp:	620458
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.2	60.6
148	70.5	32.6	97.8





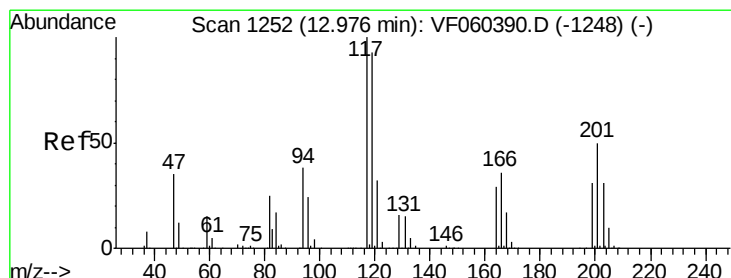
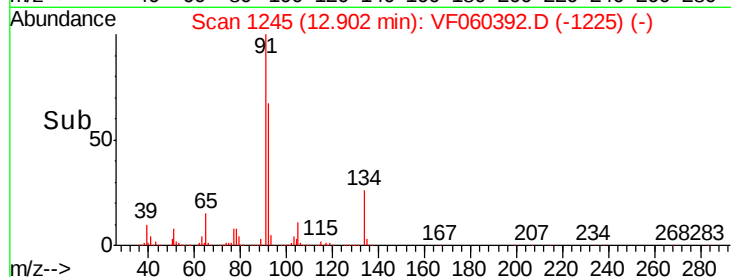
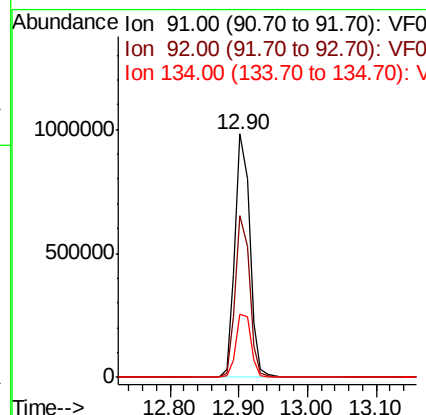
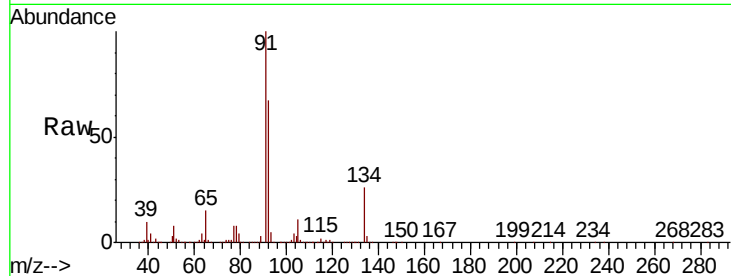
#89
n-Butylbenzene
Concen: 83.424 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.6	31.3	93.9
134	25.7	13.0	38.9

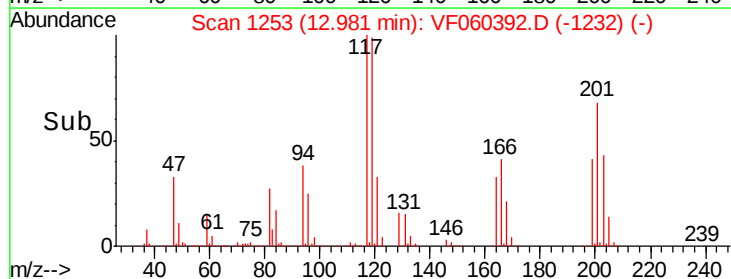
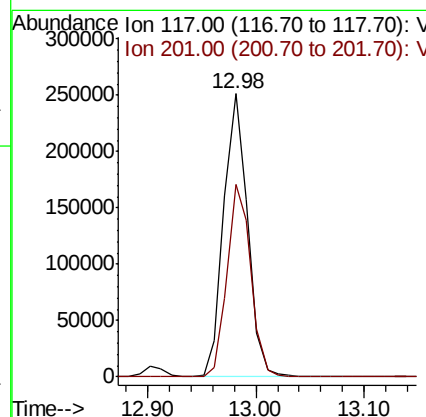
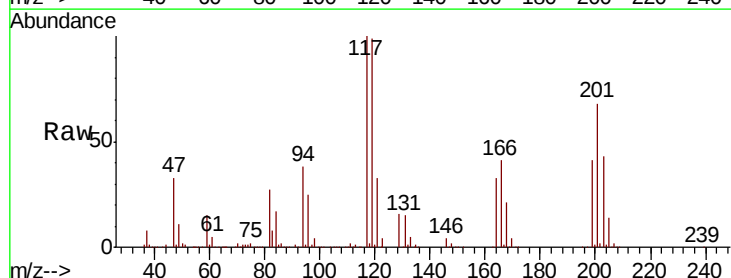
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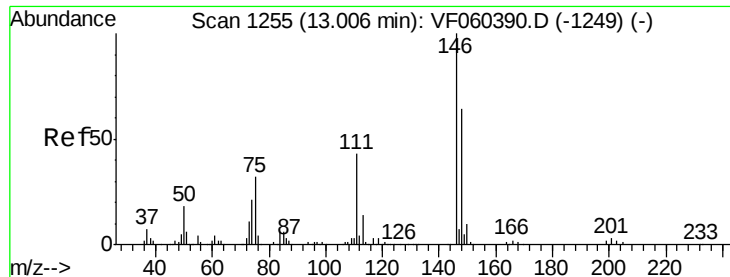
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#90
Hexachloroethane
Concen: 90.036 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VF060392.D
Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.1	25.5	76.5





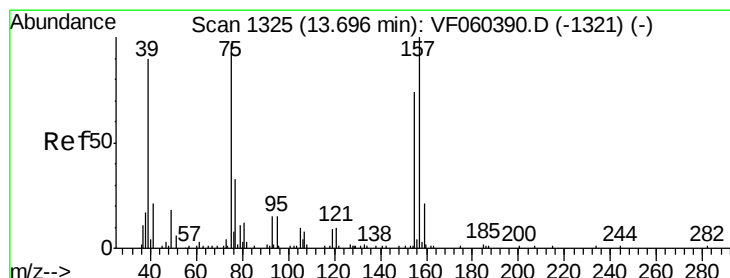
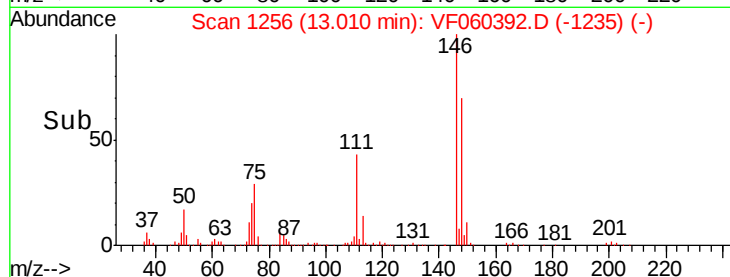
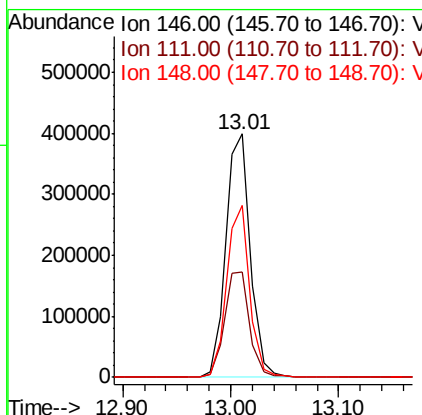
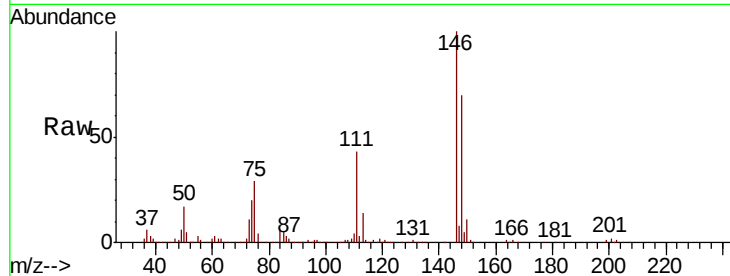
#91
 1,2-Dichlorobenzene
 Concen: 86.800 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	64.0
148	70.5	32.2	96.6

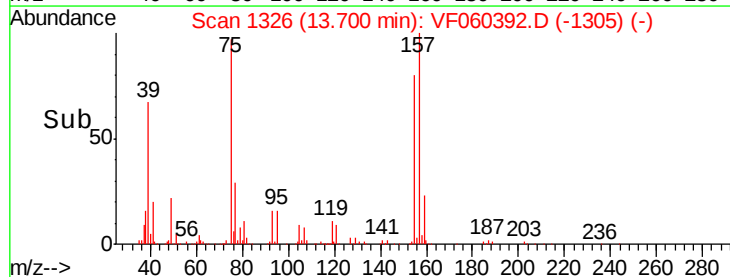
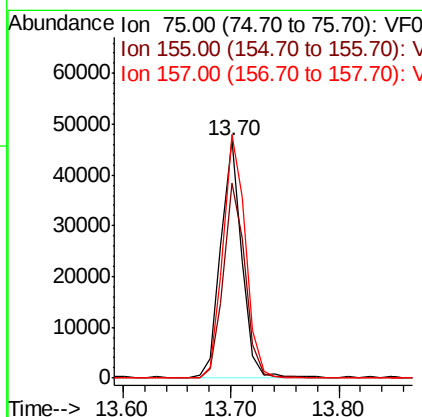
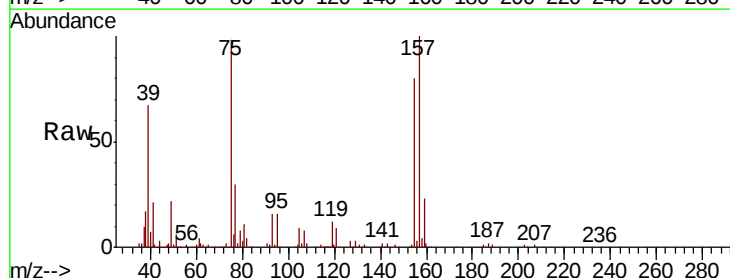
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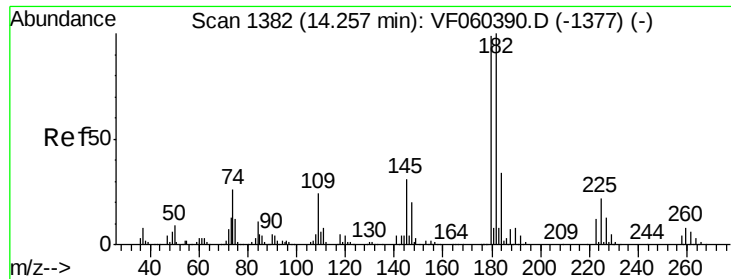
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.044 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	37.9	113.6
157	102.3	51.3	154.0





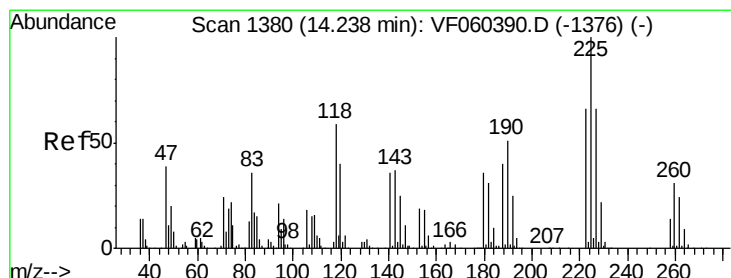
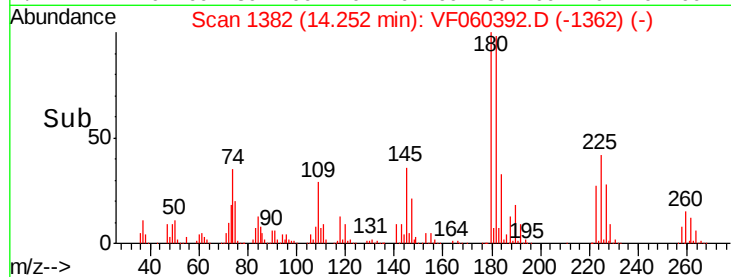
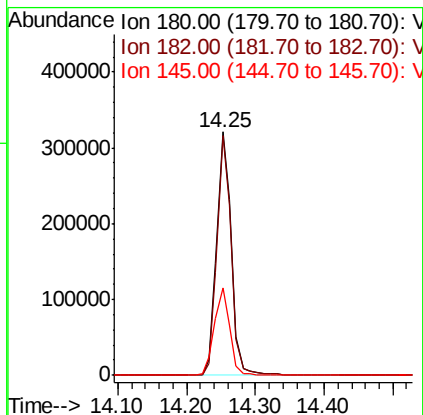
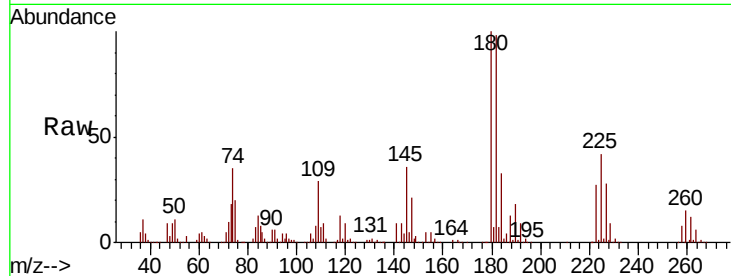
#93
 1,2,4-Trichlorobenzene
 Concen: 90.374 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	474845		
182	98.4	50.3	150.9	
145	35.9	15.5	46.5	

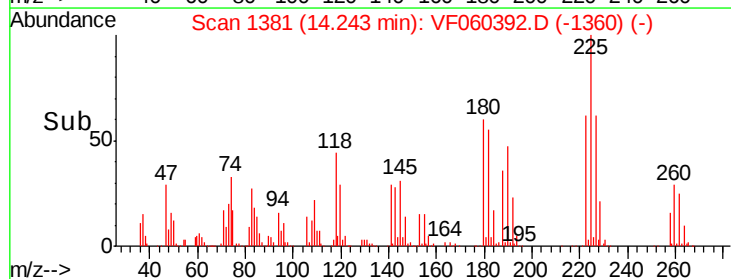
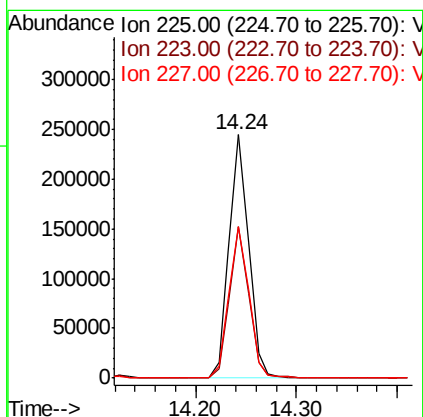
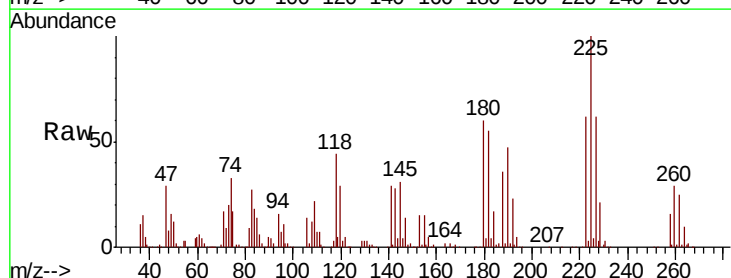
Manual Integrations
 APPROVED

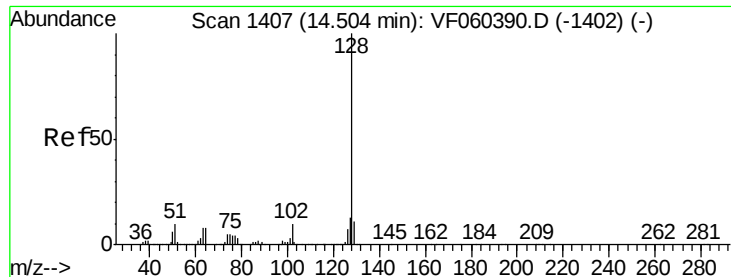
apatel
 10/2/2018 12:29:42 PM



#94
 Hexachlorobutadiene
 Concen: 93.456 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VF060392.D
 Acq: 1 Oct 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	331621		
223	62.1	32.8	98.4	
227	62.4	33.0	99.0	





#95

Naphthalene

Concen: 101.687 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Instrument :

MSVOA_F

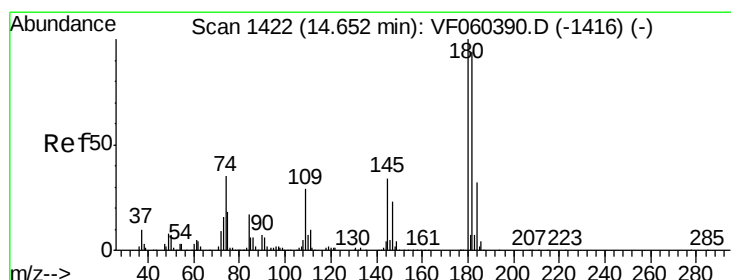
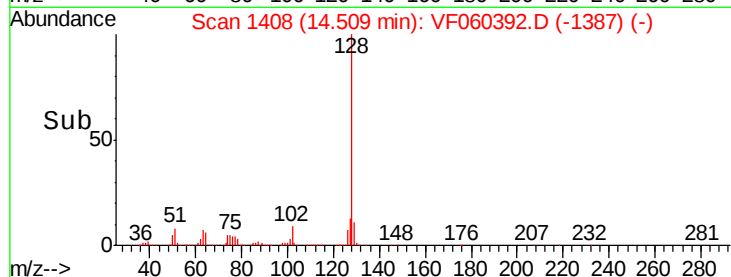
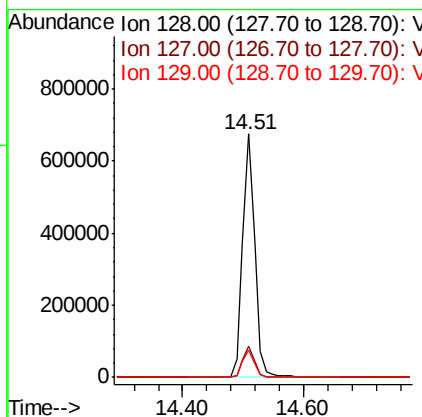
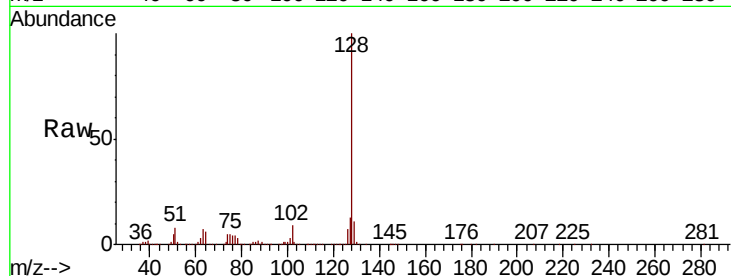
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	943596
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.0	15.0
129	11.3	8.7	13.1

Manual Integrations
APPROVED

apatel
10/2/2018 12:29:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 95.165 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. 0.00 min

Lab File: VF060392.D

Acq: 1 Oct 2018 19:37

Tgt Ion:	180	Resp:	461072
Ion Ratio	Lower	Upper	
180	100		
182	96.9	46.8	140.3
145	31.2	16.9	50.6

