

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060399.D
 Acq On : 2 Oct 2018 13:49
 Operator : VA/AP
 Sample : VF1002SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Manual Integrations
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 10/3/2018 1:02:07 PM

Quant Time: Oct 02 14:33:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	258821	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	433136	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	370997	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	210257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	198134	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	4.28	113	202223	49.70	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	7.69	98	496192	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.50	95	213871	46.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	148983	23.821	ug/l	99
3) Chloromethane	1.13	50	85691	24.382	ug/l	99
4) Vinyl Chloride	1.18	62	87093	23.822	ug/l	94
5) Bromomethane	1.35	94	61793	21.820	ug/l	95
6) Chloroethane	1.43	64	40019	21.935	ug/l	91
7) Trichlorofluoromethane	1.54	101	180385	21.266	ug/l	97
8) Diethyl Ether	1.69	74	23669	20.361	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	91539	22.529	ug/l	92
10) Methyl Iodide	1.97	142	127778m	20.622	ug/l	
11) Tert butyl alcohol	2.67	59	26468	108.046	ug/l #	77
12) 1,1-Dichloroethene	1.86	96	76160	24.259	ug/l	98
13) Acrolein	2.08	56	19059	96.743	ug/l	87
14) Allyl chloride	2.18	41	108051	21.479	ug/l	93
15) Acrylonitrile	3.05	53	44154	105.190	ug/l #	88
16) Acetone	2.32	43	112279	122.507	ug/l	94
17) Carbon Disulfide	1.90	76	218421	22.976	ug/l	94
18) Methyl Acetate	2.44	43	29445	18.215	ug/l #	85
19) Methyl tert-butyl Ether	2.53	73	163430	21.373	ug/l	97
20) Methylene Chloride	2.27	84	74424m	22.067	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	67086	21.396	ug/l	97
22) Diisopropyl ether	2.92	45	191618	20.986	ug/l	98
23) Vinyl Acetate	3.32	43	402666	111.015	ug/l	98
24) 1,1-Dichloroethane	2.98	63	136274	22.070	ug/l	99
25) 2-Butanone	4.49	43	121020	115.404	ug/l	93
26) 2,2-Dichloropropane	3.74	77	80266	22.951	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	76123	21.714	ug/l	89
28) Bromochloromethane	3.87	49	50572	22.223	ug/l	97
29) Tetrahydrofuran	4.24	42	41693	102.845	ug/l	96
30) Chloroform	4.02	83	159548	20.940	ug/l	93
31) Cyclohexane	3.85	56	103643	23.375	ug/l	99
32) 1,1,1-Trichloroethane	4.25	97	135672	21.398	ug/l	93
36) 1,1-Dichloropropene	4.44	75	109939	20.587	ug/l	96
37) Ethyl Acetate	4.27	43	41246	20.169	ug/l	86
38) Carbon Tetrachloride	4.15	117	127166m	19.563	ug/l	

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	115006	21.968	ug/l	93
40) Benzene	4.79	78	232968	21.975	ug/l	96
41) Methacrylonitrile	4.91	41	21444	19.777	ug/l	92
42) 1,2-Dichloroethane	5.09	62	103569	20.478	ug/l	91
43) Isopropyl Acetate	7.10	43	50698	20.515	ug/l #	94
44) Trichloroethene	5.66	130	72524	21.321	ug/l	99
45) 1,2-Dichloropropane	6.39	63	60362	21.380	ug/l #	89
46) Dibromomethane	6.24	93	41876	18.448	ug/l	89
47) Bromodichloromethane	6.52	83	117087	20.827	ug/l	98
48) Methyl methacrylate	6.86	41	32382	18.254	ug/l	91
49) 1,4-Dioxane	6.85	88	6641	434.173	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	195739	111.266	ug/l	99
52) Toluene	7.77	92	144117	20.014	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	91181	20.696	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	100362	19.491	ug/l	93
55) 1,1,2-Trichloroethane	8.61	97	43271	18.958	ug/l	92
56) Ethyl methacrylate	8.74	69	53071	20.463	ug/l	96
57) 1,3-Dichloropropane	8.98	76	76091	19.706	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	24833	93.738	ug/l	100
59) 2-Hexanone	9.61	43	158122	122.543	ug/l	91
60) Dibromochloromethane	8.84	129	63331	18.429	ug/l	94
61) 1,2-Dibromoethane	9.12	107	48408	19.383	ug/l	91
64) Tetrachloroethene	8.29	164	63275	21.455	ug/l	96
65) Chlorobenzene	9.92	112	159285	20.901	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	72024	21.645	ug/l	99
67) Ethyl Benzene	10.02	91	321733	22.203	ug/l	99
68) m/p-Xylenes	10.25	106	214526	43.066	ug/l	96
69) o-Xylene	10.81	106	121846	22.441	ug/l	99
70) Styrene	10.89	104	168125	21.769	ug/l	97
71) Bromoform	10.87	173	35135	19.832	ug/l #	93
73) Isopropylbenzene	11.22	105	361042	21.809	ug/l	100
74) N-amyl acetate	11.45	43	84976	22.365	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	61700	20.442	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	43123	19.407	ug/l	97
77) Bromobenzene	11.58	156	75678	20.450	ug/l	95
78) n-propylbenzene	11.68	91	444226	22.134	ug/l	99
79) 2-Chlorotoluene	11.80	91	256070	21.812	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	309534	22.007	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	21005m	21.325	ug/l	
82) 4-Chlorotoluene	11.97	91	245455	20.434	ug/l	92
83) tert-Butylbenzene	12.20	119	318173	22.935	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	304279	21.814	ug/l	95
85) sec-Butylbenzene	12.38	105	406543	21.230	ug/l	100
86) p-Isopropyltoluene	12.53	119	329597	21.068	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	141953	20.385	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	139763	20.354	ug/l	99
89) n-Butylbenzene	12.91	91	372926	22.527	ug/l	92
90) Hexachloroethane	12.99	117	83086	20.549	ug/l	71
91) 1,2-Dichlorobenzene	13.01	146	133346	19.985	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10381	17.742	ug/l	87

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ClientSampleId :
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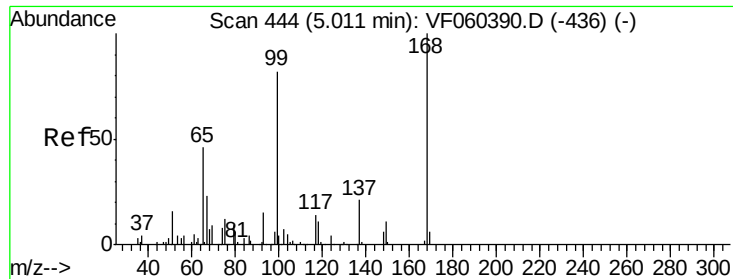
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	105103	21.075	ug/l	97
94) Hexachlorobutadiene	14.25	225	76472	21.970	ug/l	95
95) Naphthalene	14.52	128	187285	21.004	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	96355	20.611	ug/l	98

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



#1

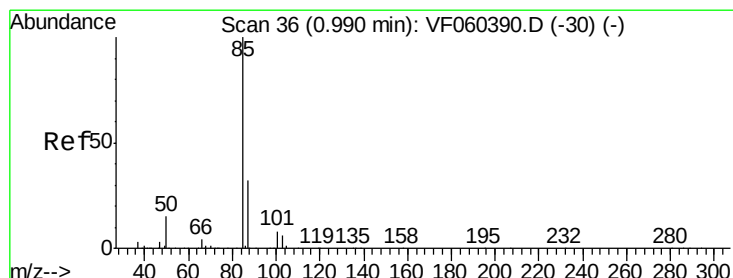
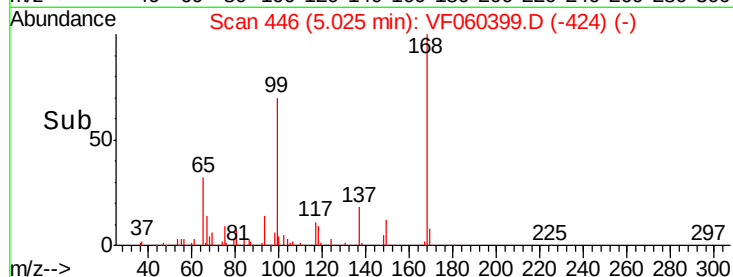
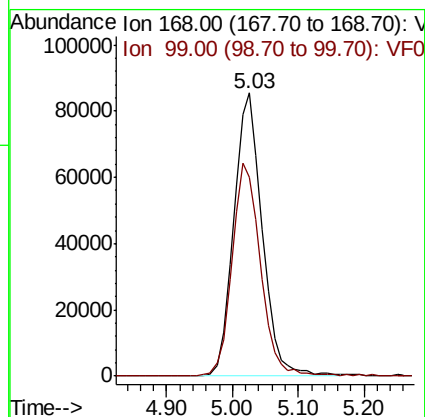
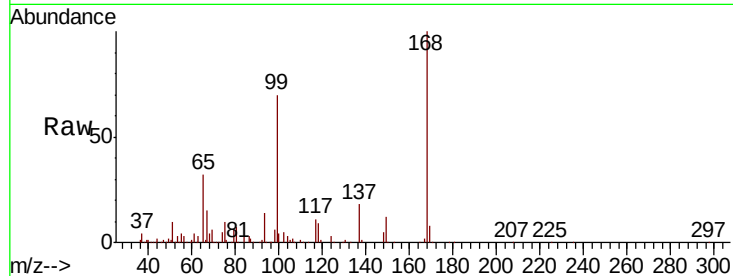
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
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 ClientSampleId :
 VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	70.2	65.3	97.9

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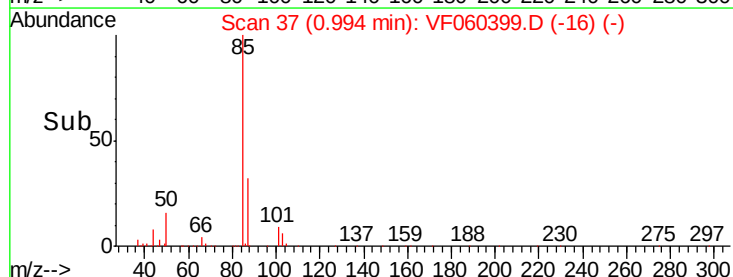
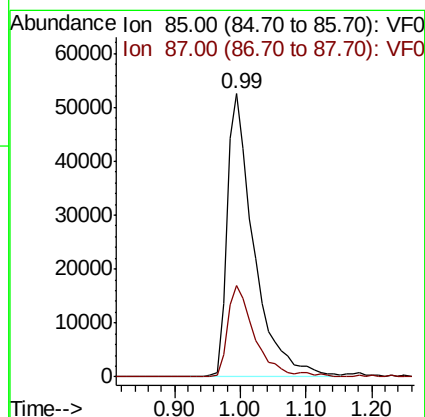
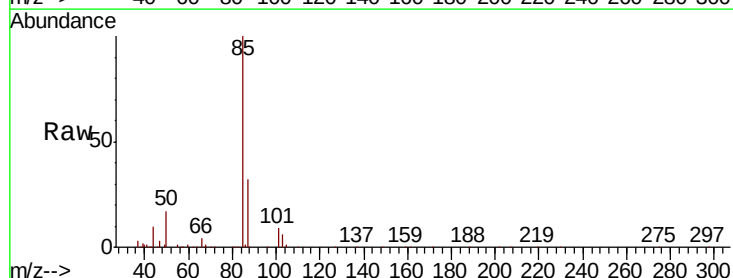
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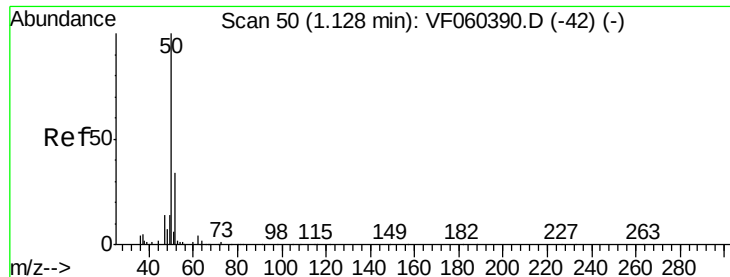


#2

Dichlorodifluoromethane
 Concen: 23.821 ug/l
 RT: 0.99 min Scan# 37
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.9	47.6





#3

Chloromethane

Concen: 24.382 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 50 Resp: 85691

Ion Ratio Lower Upper

50 100

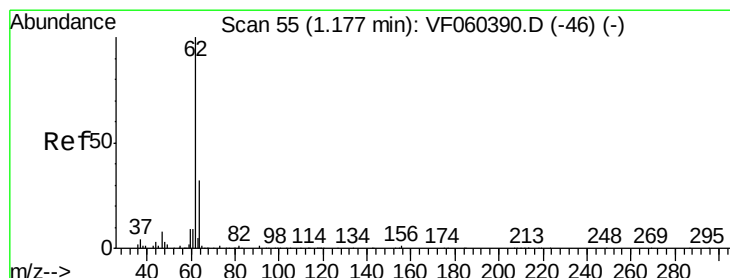
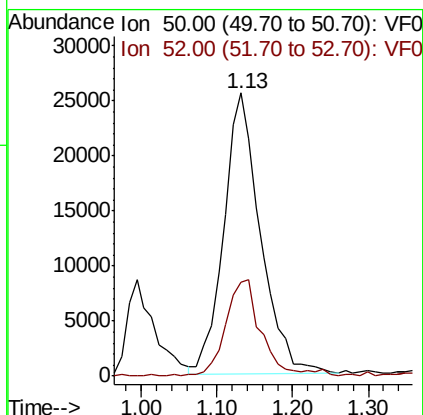
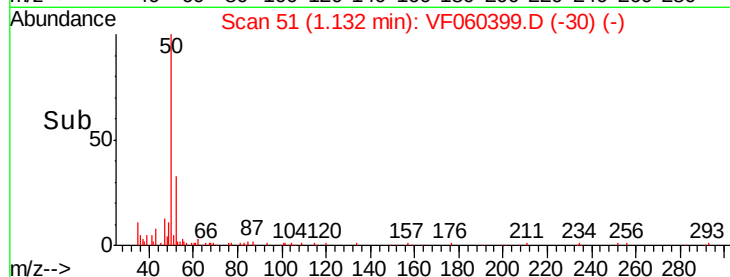
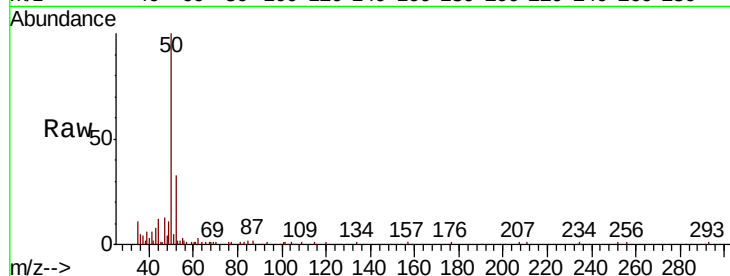
52 33.1 26.9 40.3

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#4

Vinyl Chloride

Concen: 23.822 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060399.D

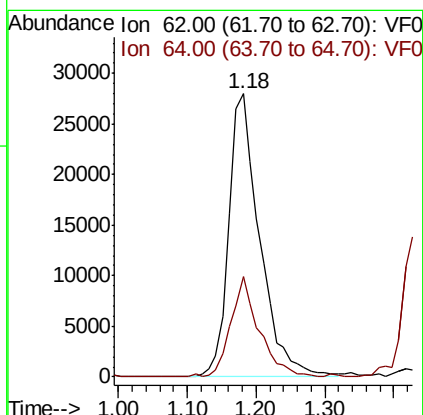
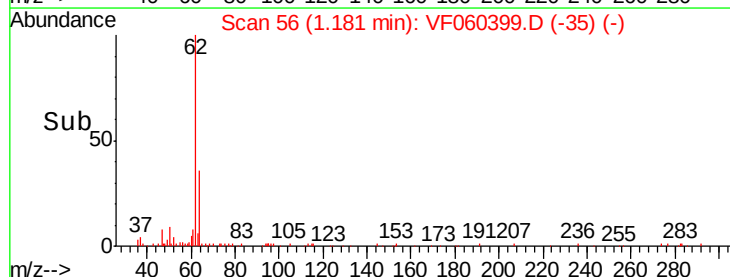
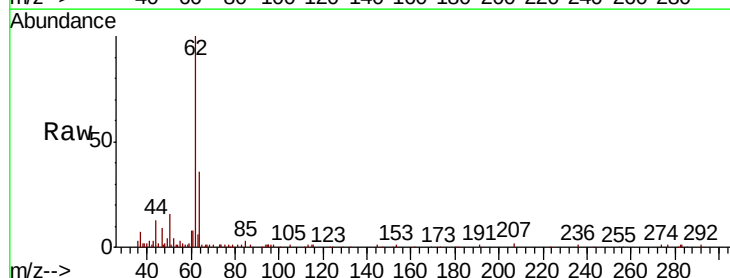
Acq: 2 Oct 2018 13:49

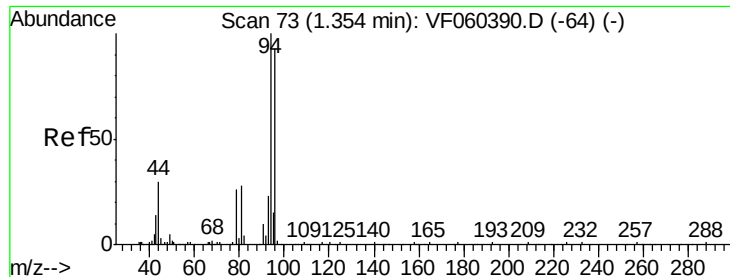
Tgt Ion: 62 Resp: 87093

Ion Ratio Lower Upper

62 100

64 35.6 25.8 38.6





#5

Bromomethane

Concen: 21.820 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tot Ion: 94 Resp: 61793

Ion Ratio Lower Upper

94 100

96 97.8 74.3 111.5

Instrument :

MSVOA_F

ClientSampleId :

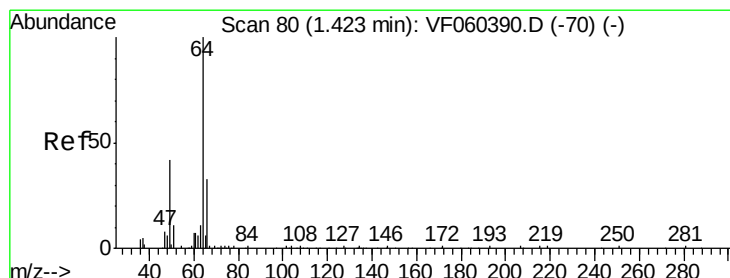
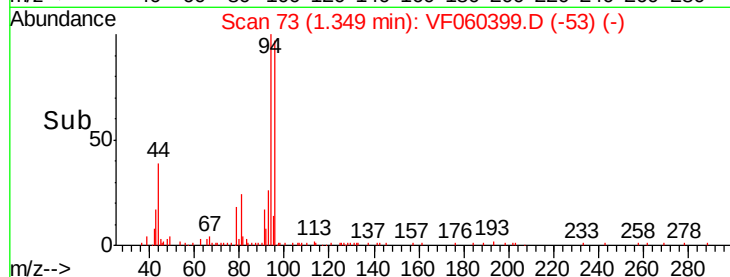
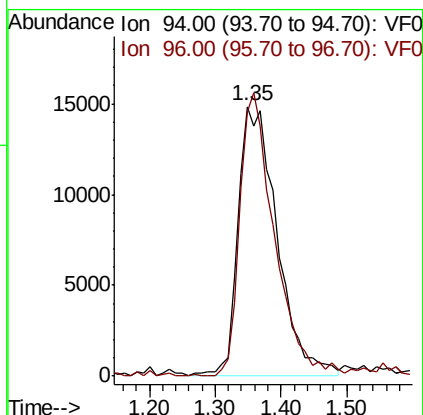
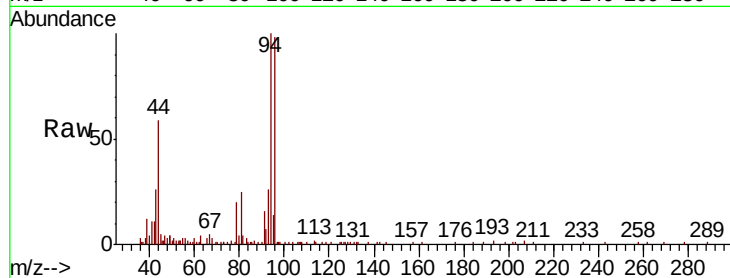
VF1002SBSD01

Manual Integrations

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#6

Chloroethane

Concen: 21.935 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060399.D

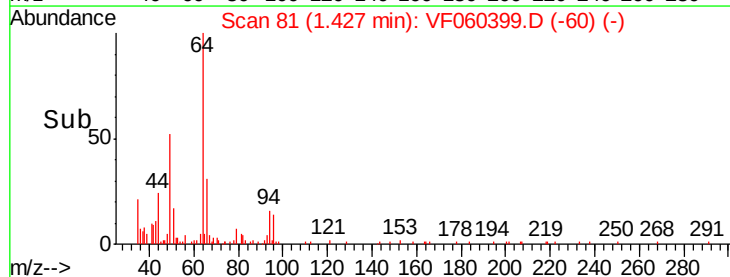
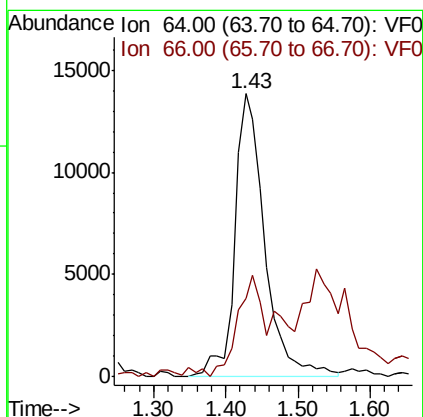
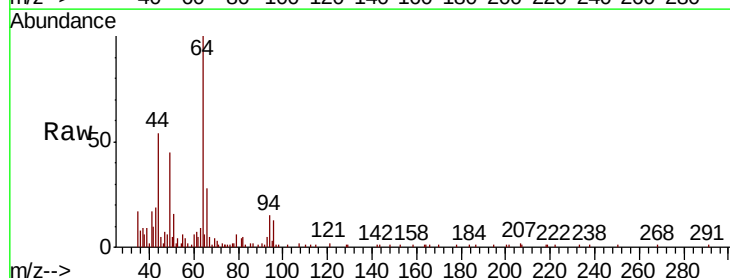
Acq: 2 Oct 2018 13:49

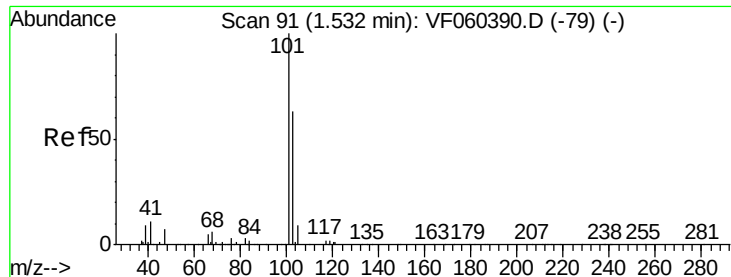
Tgt Ion: 64 Resp: 40019

Ion Ratio Lower Upper

64 100

66 27.5 26.3 39.5





#7

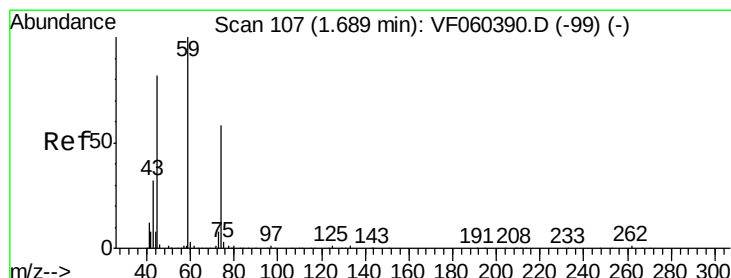
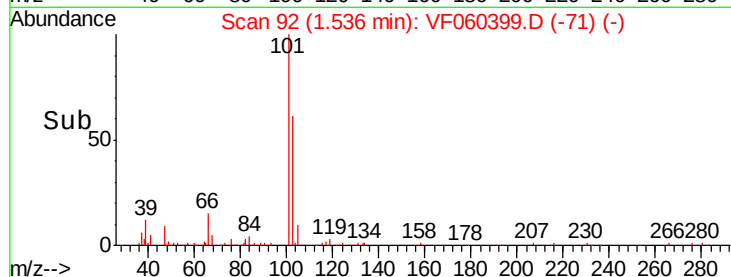
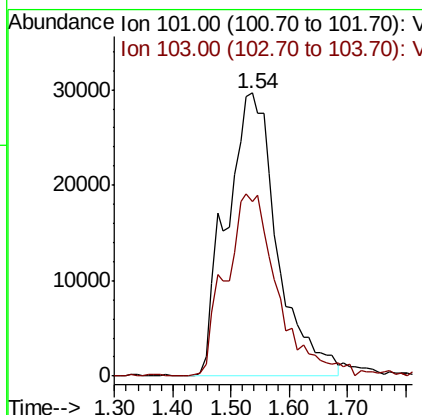
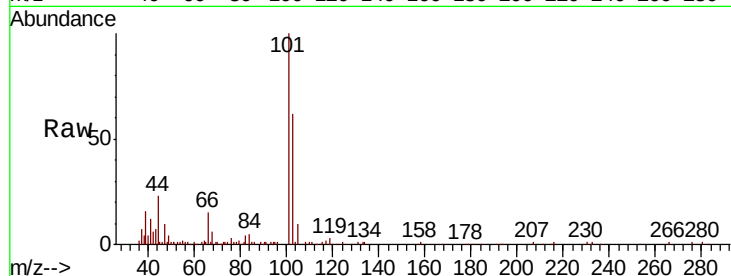
Trichlorofluoromethane
Concen: 21.266 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.0	76.4

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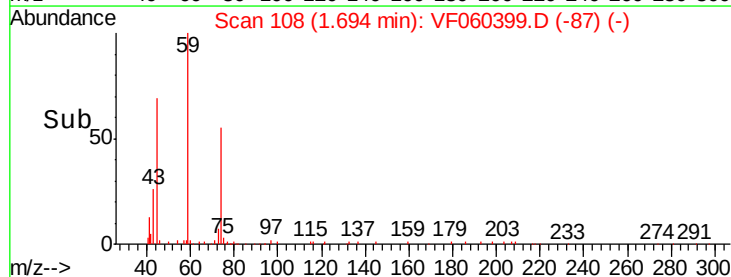
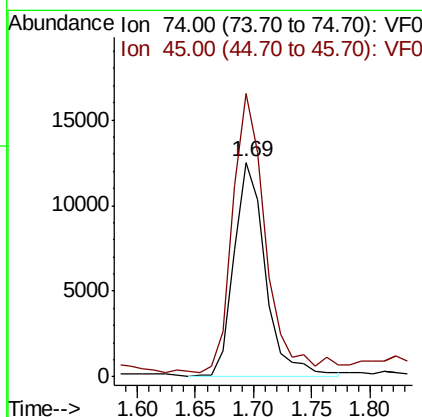
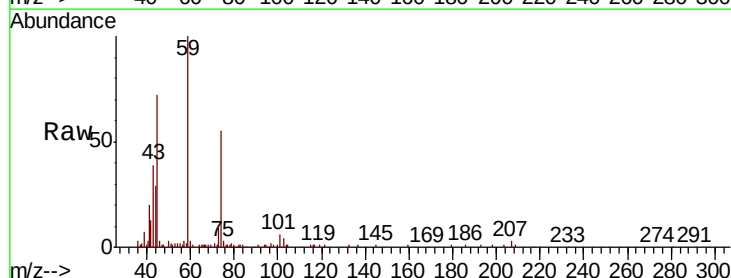
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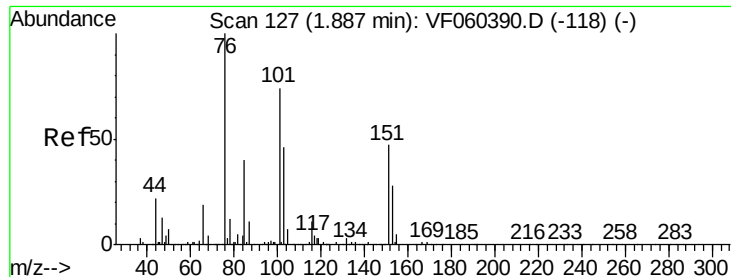


#8

Diethyl Ether
Concen: 20.361 ug/l
RT: 1.69 min Scan# 108
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.0	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.529 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

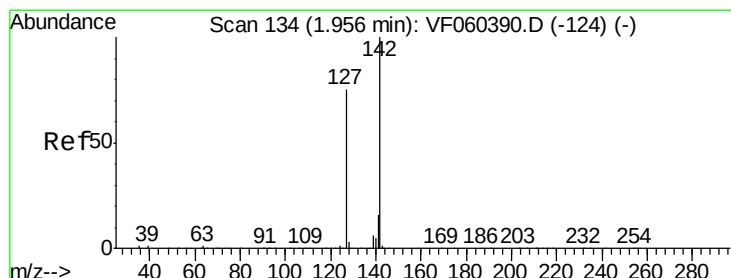
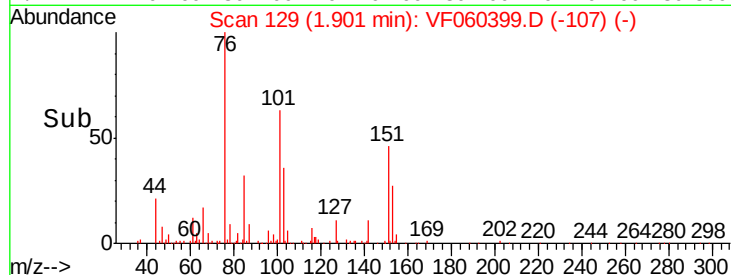
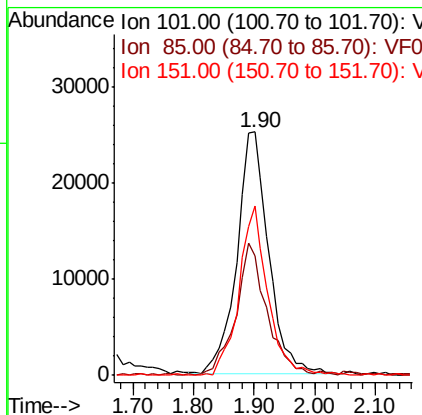
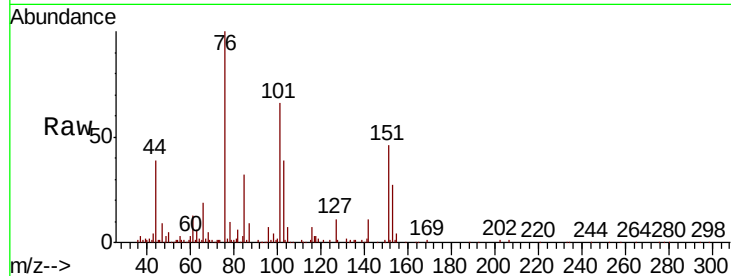
ClientSampleId :

VF1002SBSD01

Tot Ion:	101	Resp:	91539
Ion Ratio	Lower	Upper	
101	100		
85	49.3	42.5	63.7
151	69.5	49.8	74.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.622 ug/l m

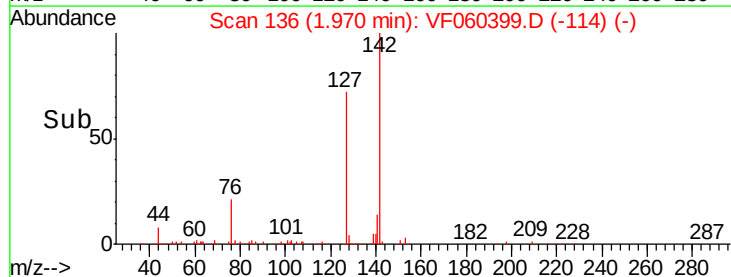
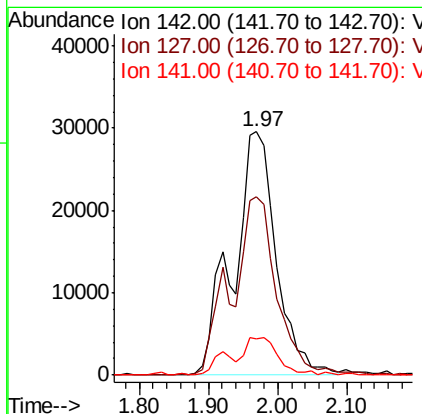
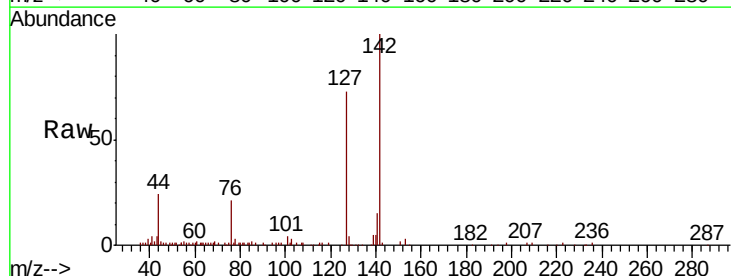
RT: 1.97 min Scan# 136

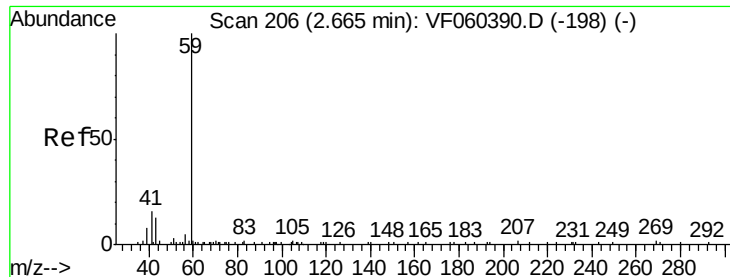
Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:	142	Resp:	127778
Ion Ratio	Lower	Upper	
142	100		
127	73.0	60.2	90.2
141	14.7	13.1	19.7





#11

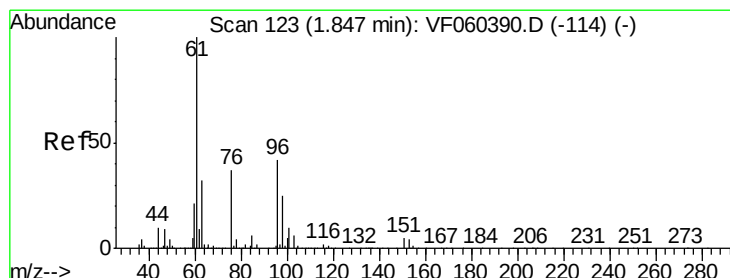
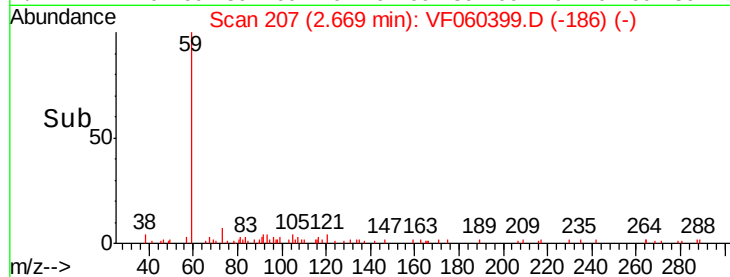
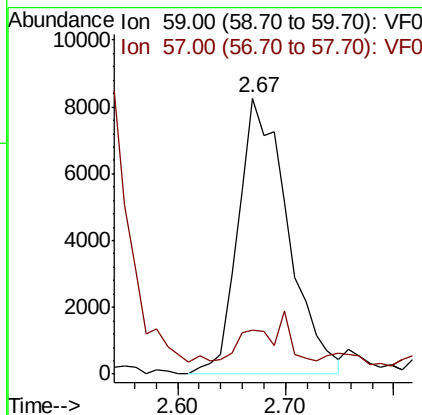
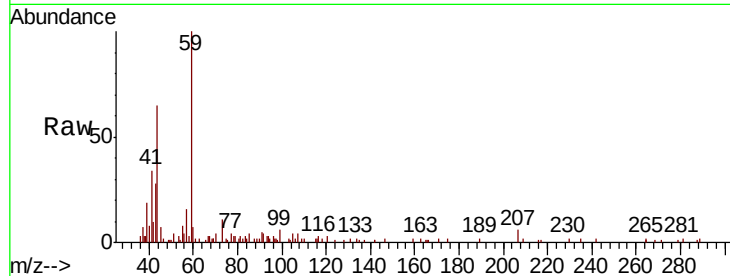
Tert butyl alcohol
Concen: 108.046 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	59	Resp	26468
Ion Ratio	100	Lower	Upper
57	16.1	6.5	9.7#

Manual Integrations
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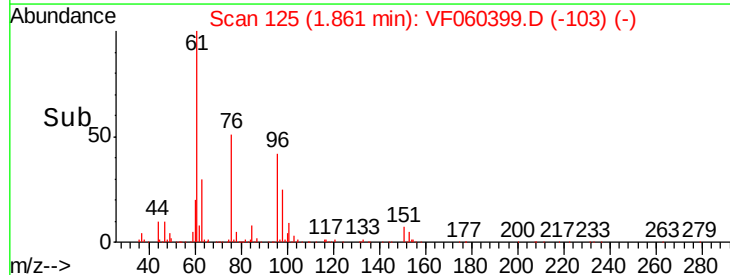
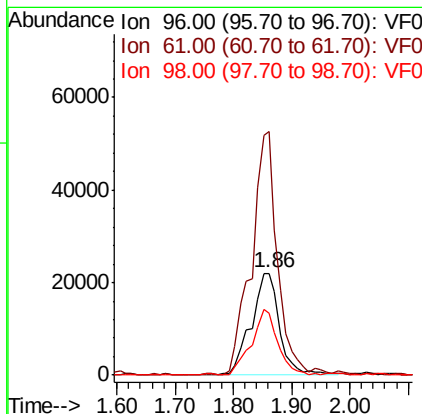
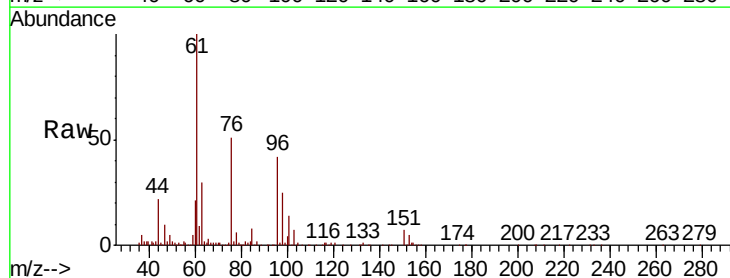
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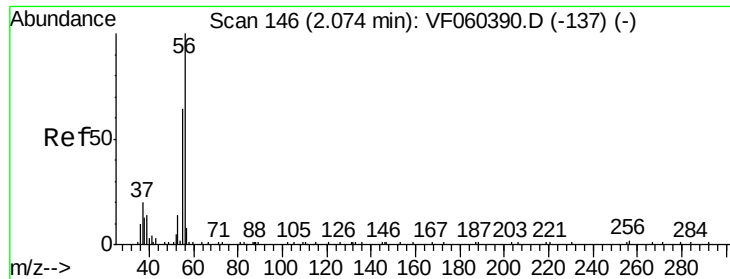


#12

1,1-Dichloroethene
Concen: 24.259 ug/l
RT: 1.86 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	96	Resp	76160
Ion Ratio	100	Lower	Upper
61	239.4	189.4	284.0
98	60.6	47.8	71.6





#13

Acrolein

Concen: 96.743 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 56 Resp: 19059

Ion Ratio Lower Upper

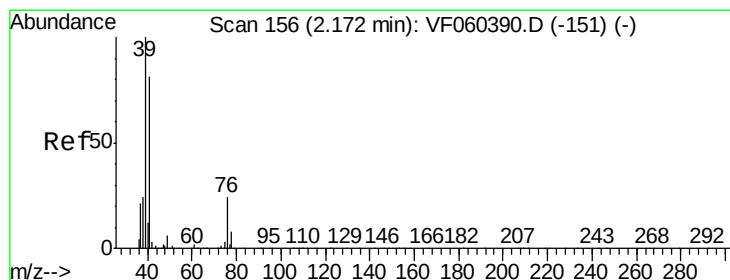
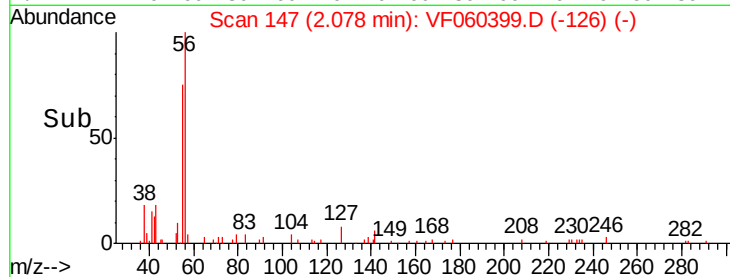
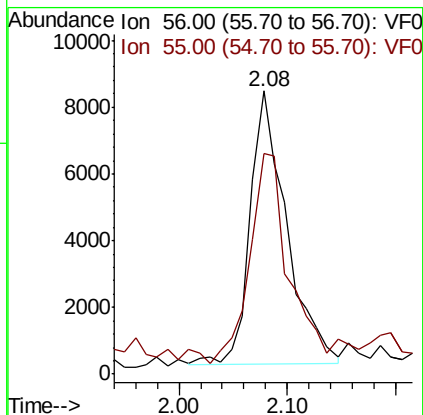
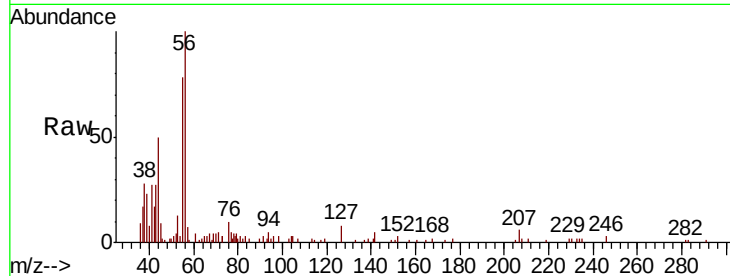
56 100

55 77.9 53.9 80.9

Manual Integrations
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#14

Allyl chloride

Concen: 21.479 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

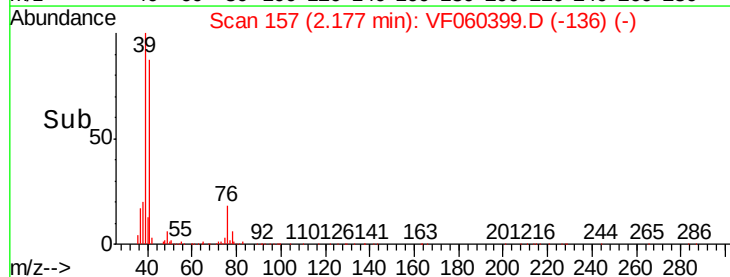
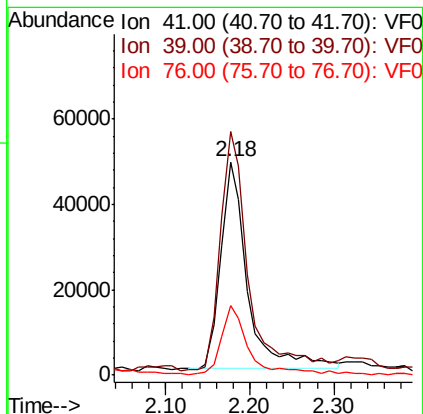
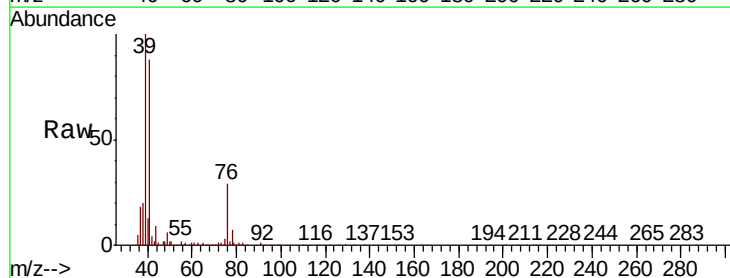
Tgt Ion: 41 Resp: 108051

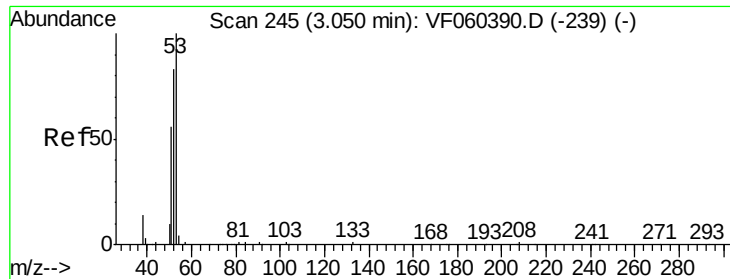
Ion Ratio Lower Upper

41 100

39 114.0 98.3 147.5

76 32.7 23.9 35.9





#15

Acrylonitrile

Concen: 105.190 ug/l

RT: 3.05 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

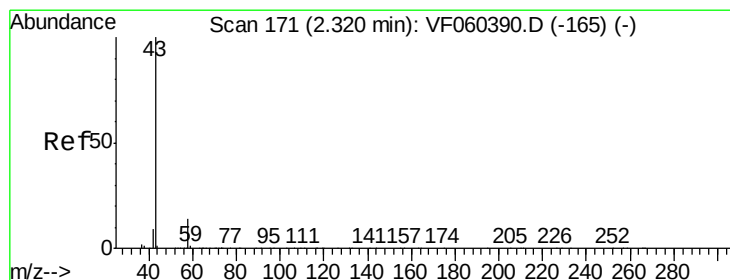
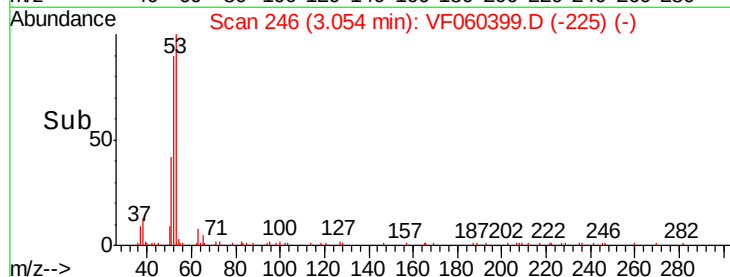
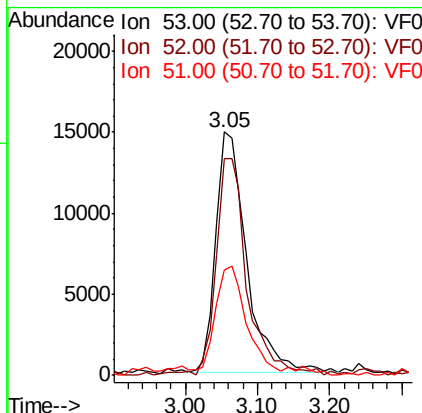
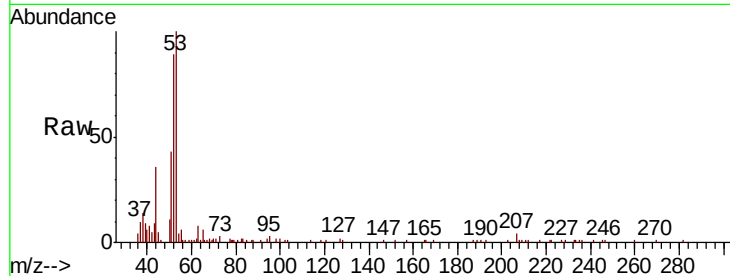
ClientSampleId :

VF1002SBSD01

Tot Ion:	53	Resp:	44154
Ion Ratio	Lower	Upper	
53	100		
52	89.2	66.0	99.0
51	43.4	45.6	68.4#

Manual Integrations
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#16

Acetone

Concen: 122.507 ug/l

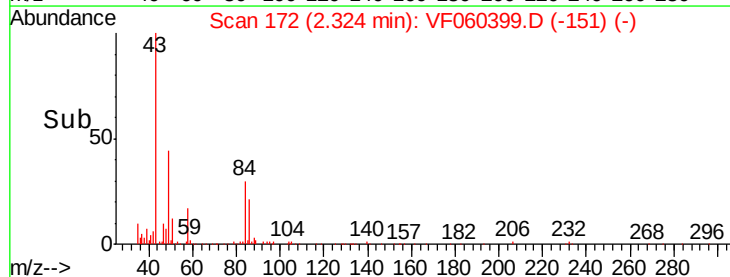
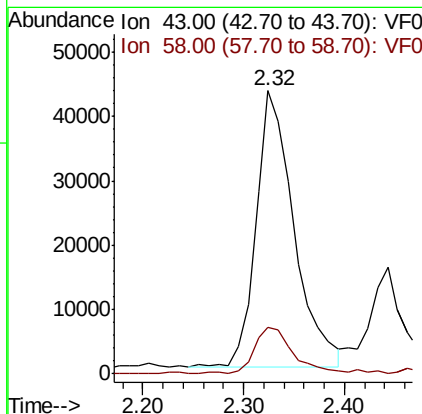
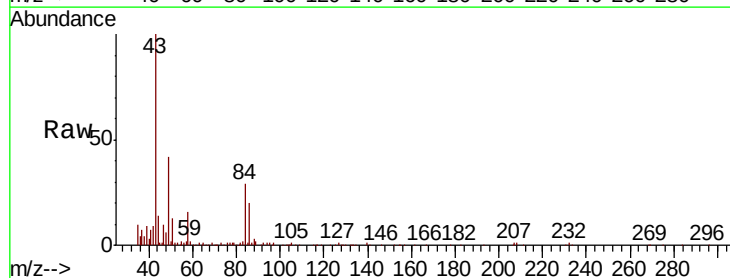
RT: 2.32 min Scan# 172

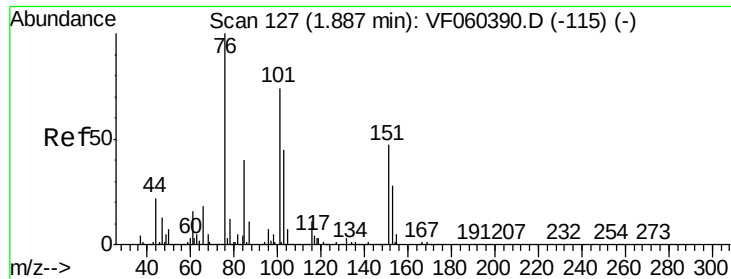
Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:	43	Resp:	112279
Ion Ratio	Lower	Upper	
43	100		
58	16.5	11.2	16.8





#17

Carbon Disulfide

Concen: 22.976 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 76 Resp: 218421

Ion Ratio Lower Upper

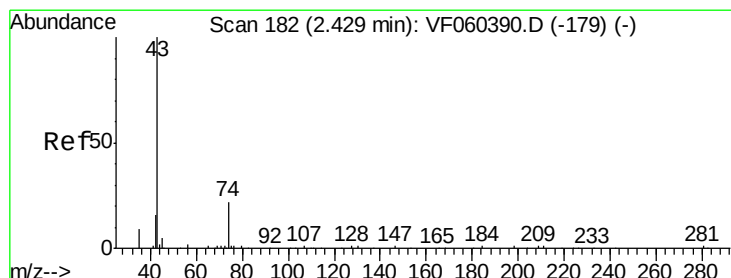
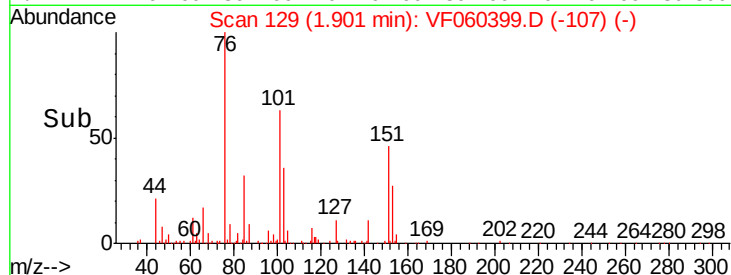
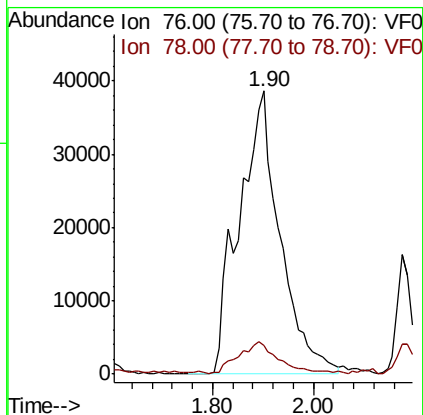
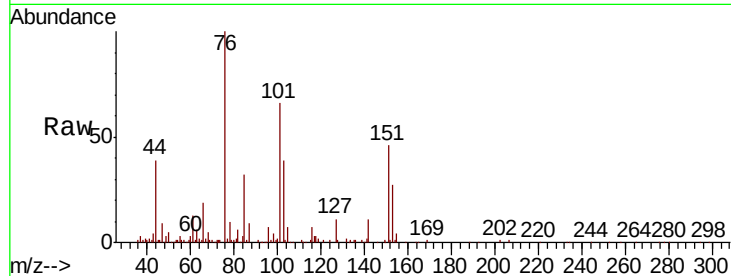
76 100

78 10.2 10.1 15.1

Manual Integrations
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#18

Methyl Acetate

Concen: 18.215 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060399.D

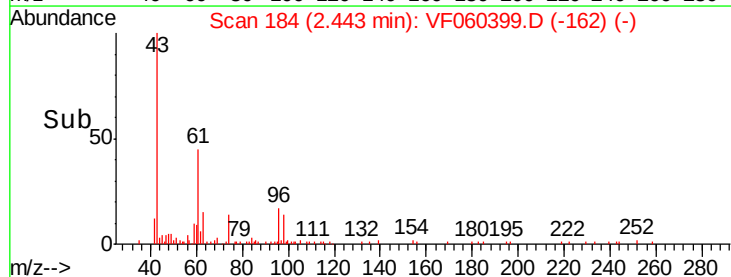
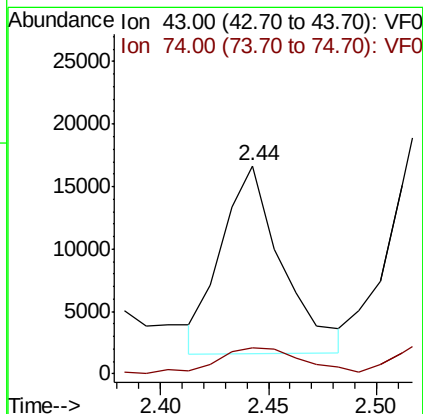
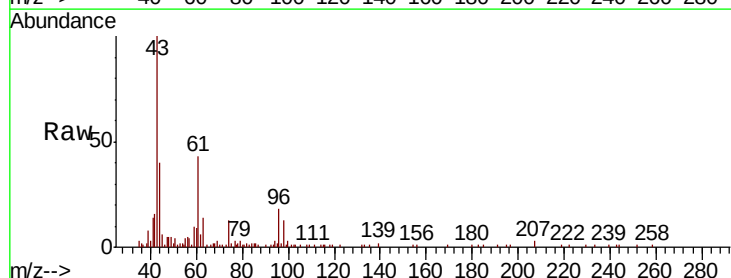
Acq: 2 Oct 2018 13:49

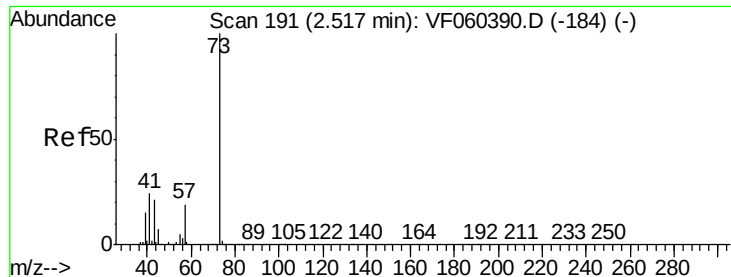
Tgt Ion: 43 Resp: 29445

Ion Ratio Lower Upper

43 100

74 12.8 15.8 23.8#





#19

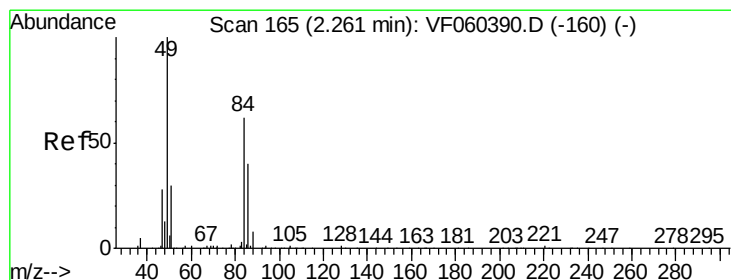
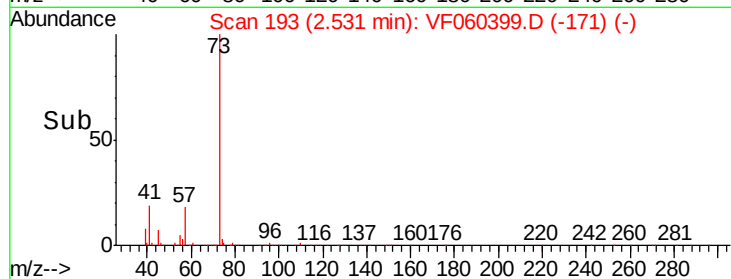
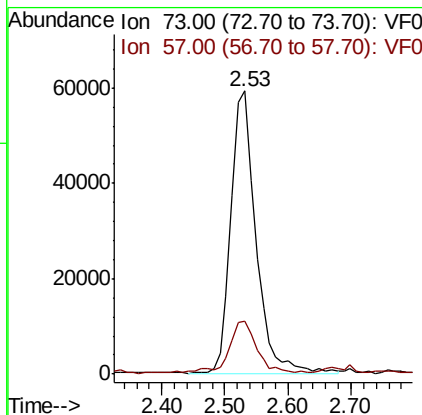
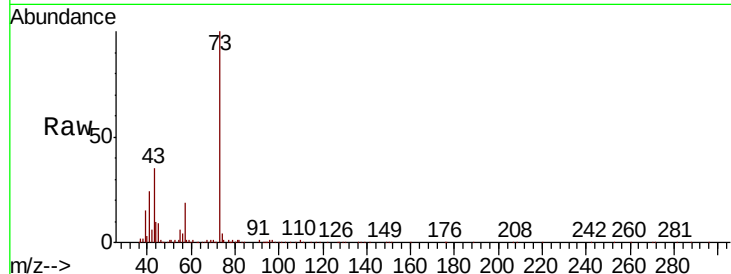
Methyl tert-butyl Ether
 Concen: 21.373 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	15.9	23.9

Manual Integrations
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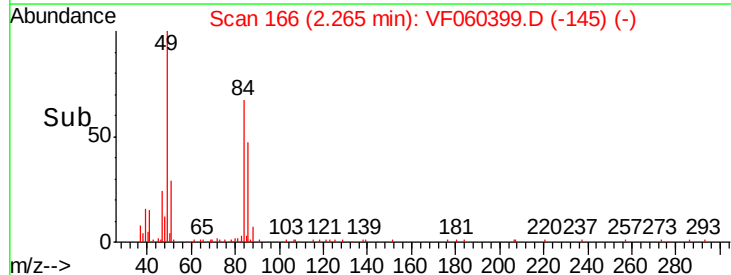
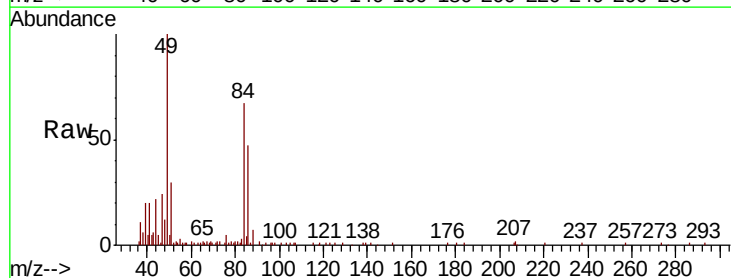
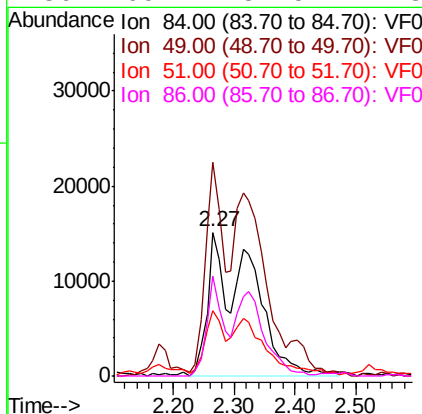
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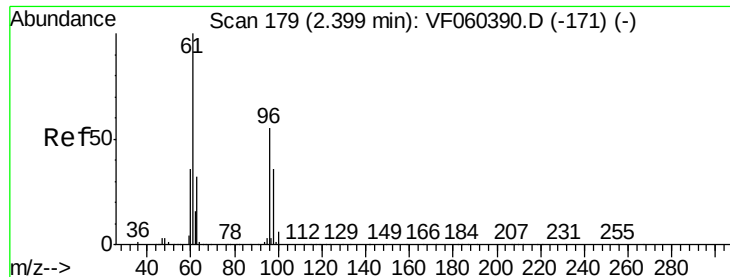


#20

Methylene Chloride
 Concen: 22.067 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.3	130.2	195.2
51	45.0	41.0	61.6
86	69.2	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 21.396 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

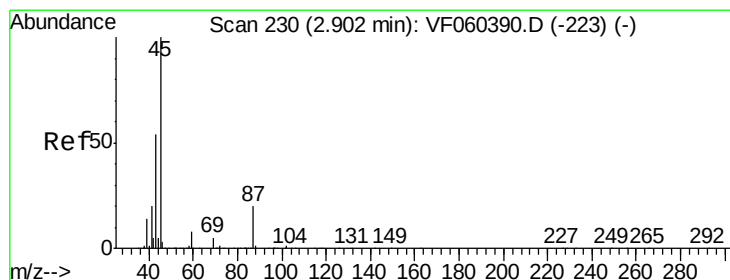
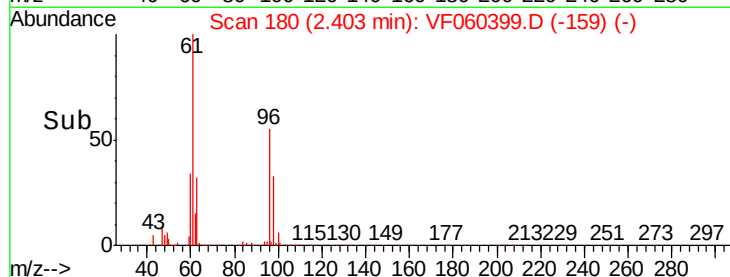
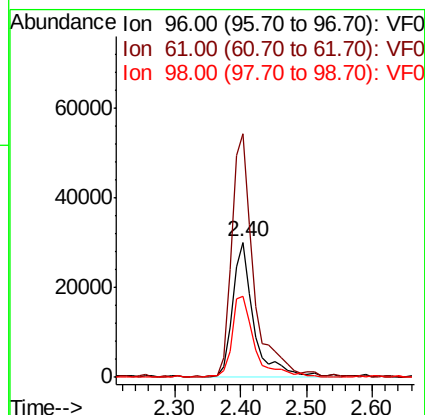
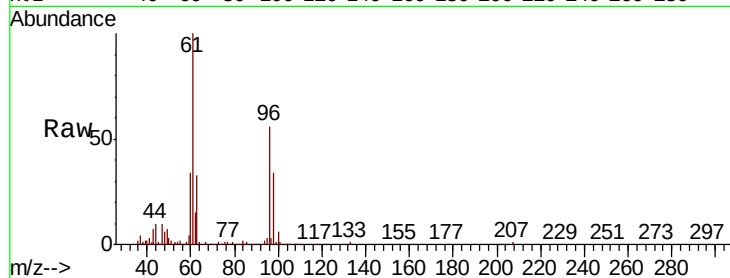
ClientSampleId :

VF1002SBSD01

Tot Ion:	96	Resp:	67086
Ion	Ratio	Lower	Upper
96	100		
61	179.8	146.2	219.2
98	60.2	52.6	78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.986 ug/l

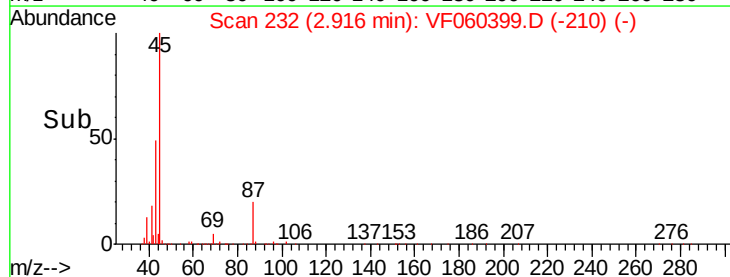
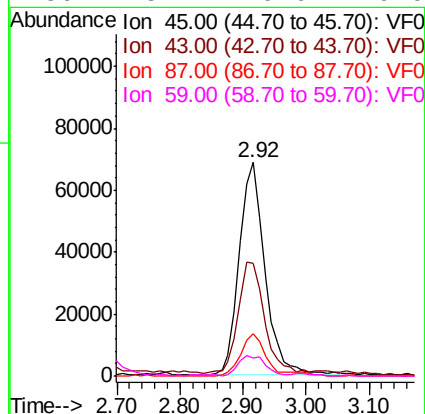
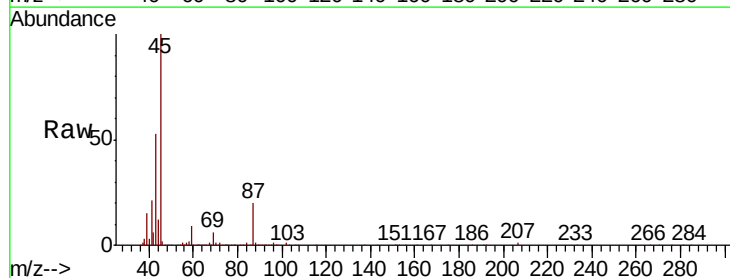
RT: 2.92 min Scan# 232

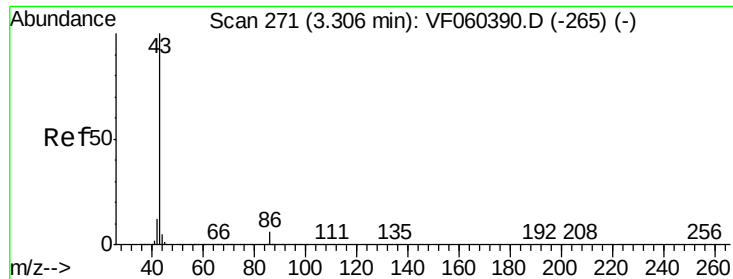
Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:	45	Resp:	191618
Ion	Ratio	Lower	Upper
45	100		
43	52.7	43.8	65.8
87	19.6	16.3	24.5
59	8.7	6.6	10.0





#23

Vinyl Acetate

Concen: 111.015 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 43 Resp: 402666

Ion Ratio Lower Upper

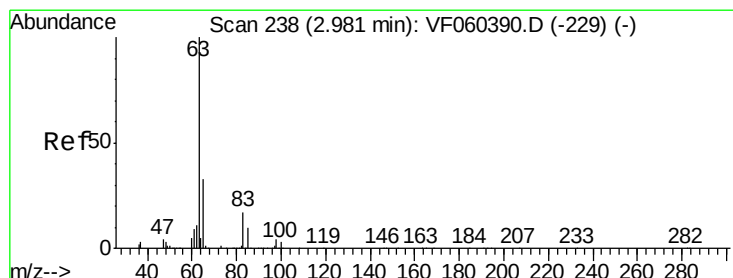
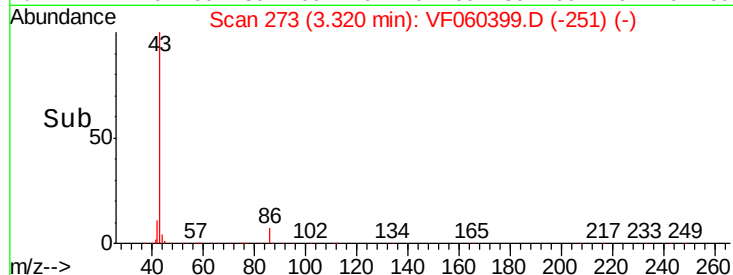
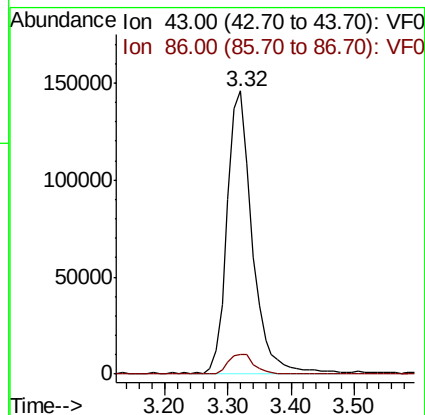
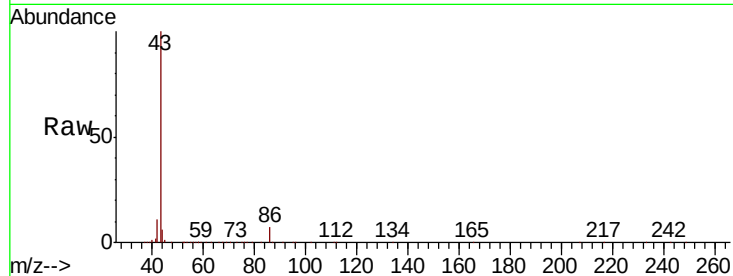
43 100

86 6.9 5.1 7.7

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 22.070 ug/l

RT: 2.98 min Scan# 239

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

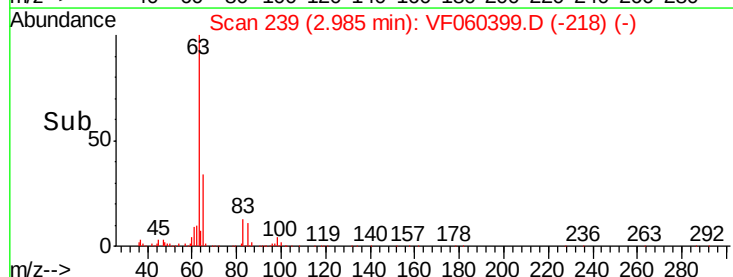
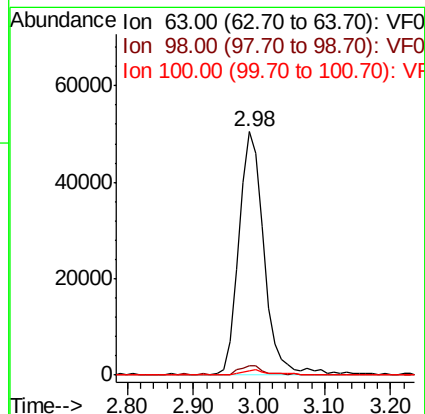
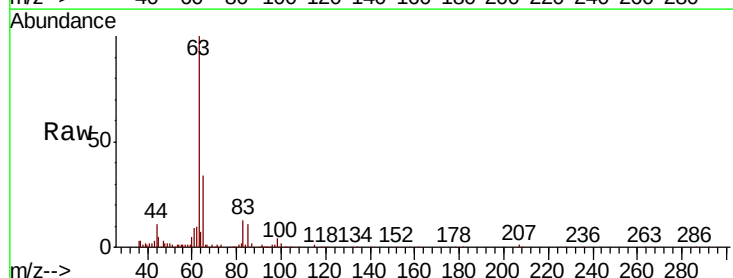
Tgt Ion: 63 Resp: 136274

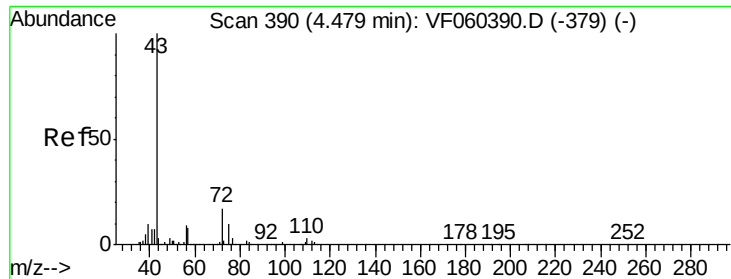
Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 2.0 1.4 4.2





#25

2-Butanone

Concen: 115.404 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 43 Resp: 121020

Ion Ratio Lower Upper

43 100

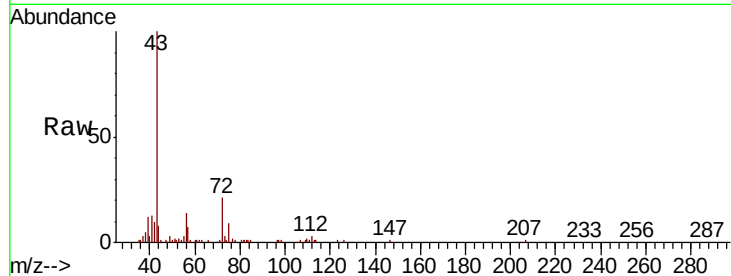
72 20.8 14.1 21.1

Manual Integrations

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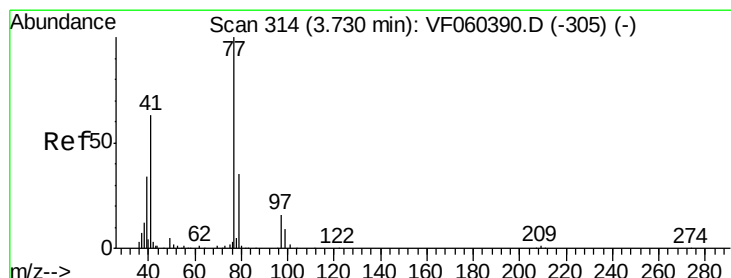
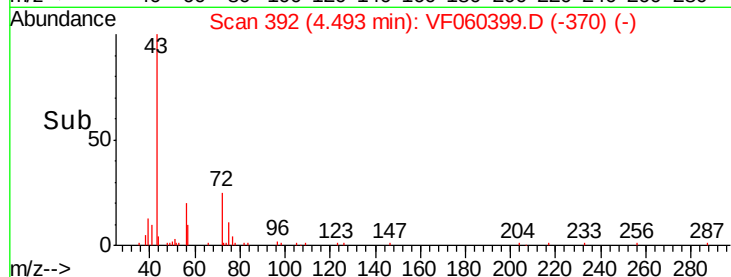
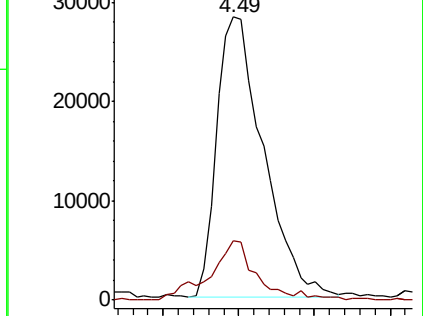
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 22.951 ug/l

RT: 3.74 min Scan# 316

Delta R.T. 0.01 min

Lab File: VF060399.D

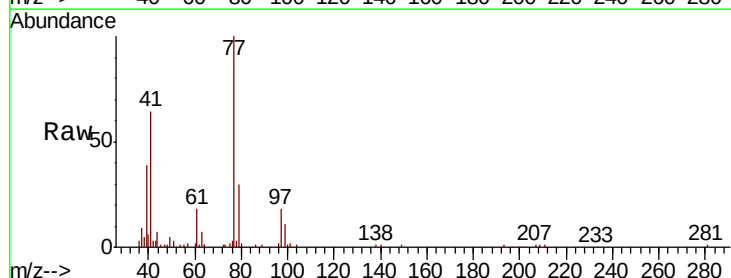
Acq: 2 Oct 2018 13:49

Tgt Ion: 77 Resp: 80266

Ion Ratio Lower Upper

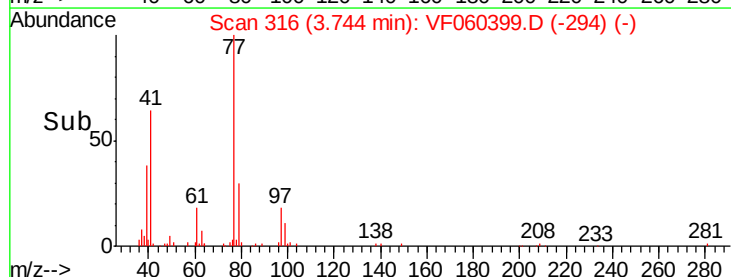
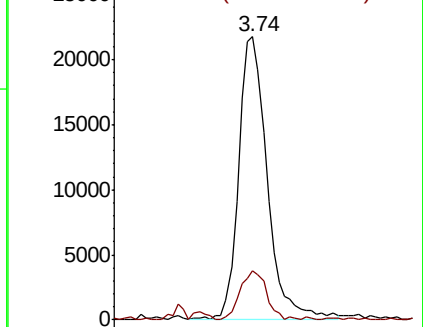
77 100

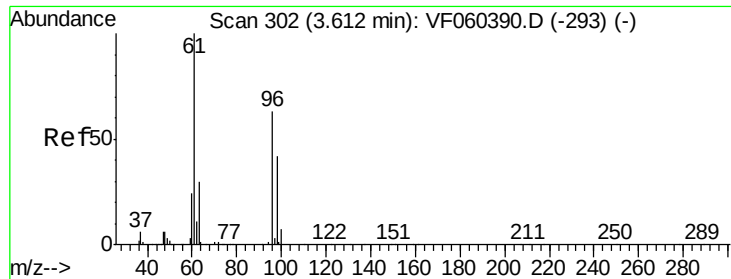
97 17.6 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

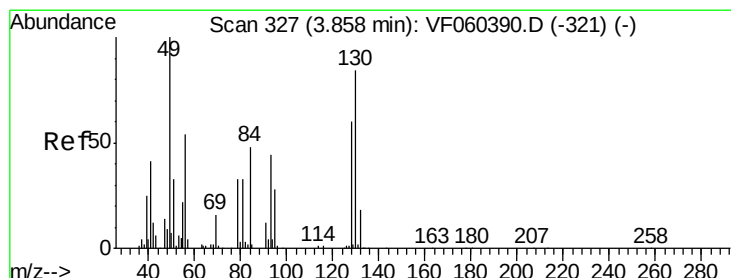
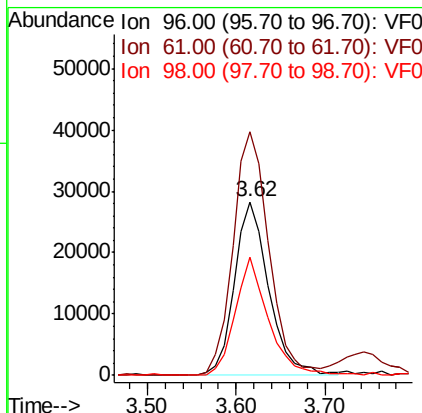
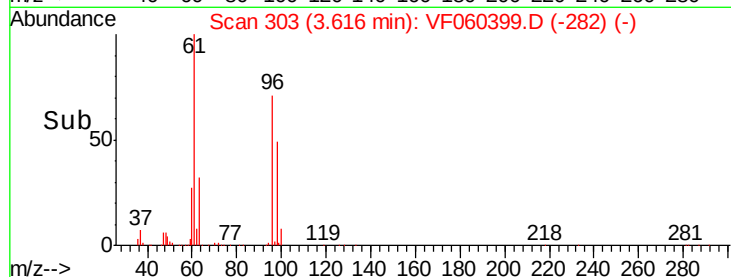
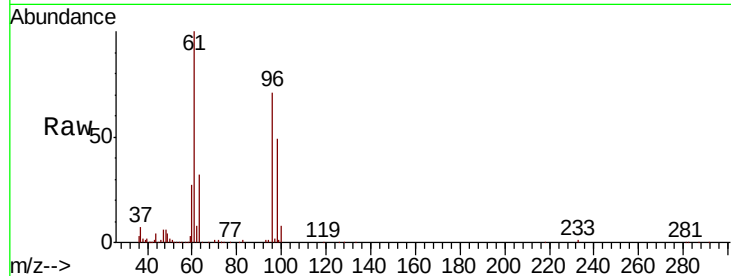
cis-1,2-Dichloroethene
Concen: 21.714 ug/l
RT: 3.62 min Scan# 303
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	76123		
61	140.1	0.0	318.2	
98	68.0	0.0	134.0	

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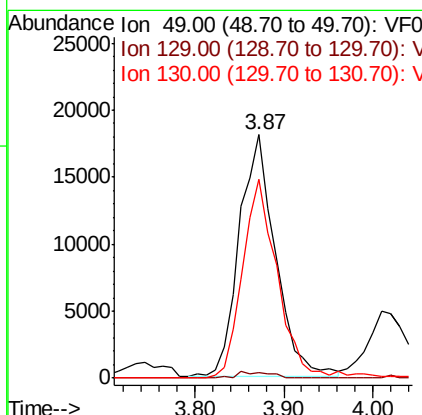
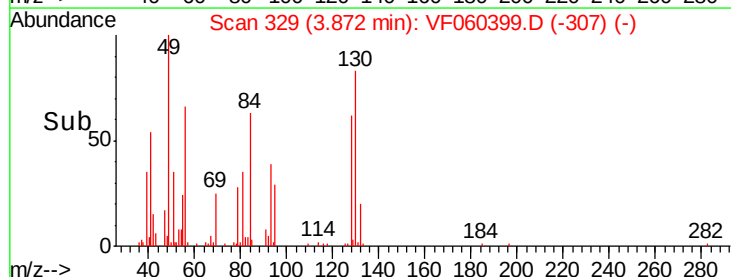
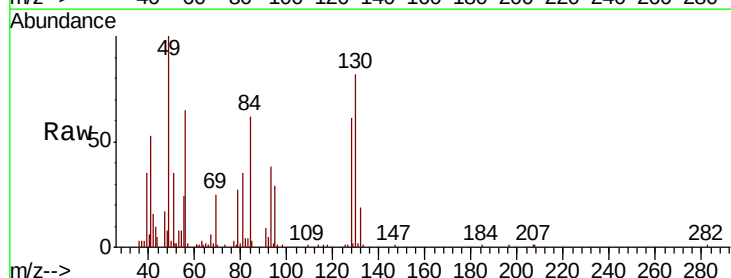
apatel
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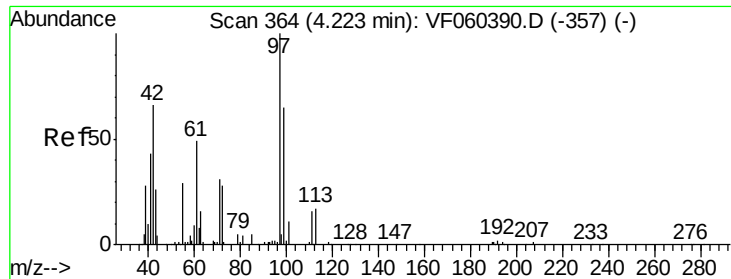


#28

Bromochloromethane
Concen: 22.223 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	50572		
129	2.5	0.0	4.6	
130	81.7	67.3	100.9	





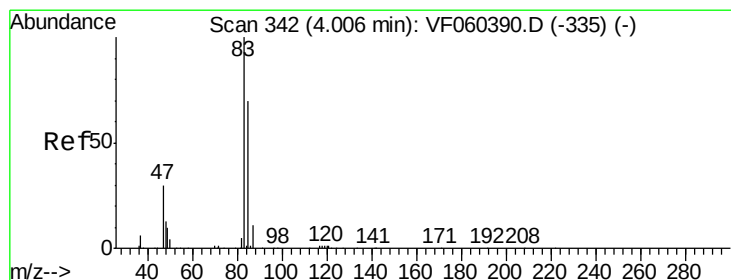
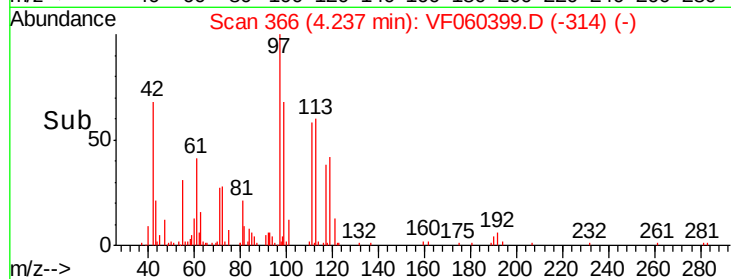
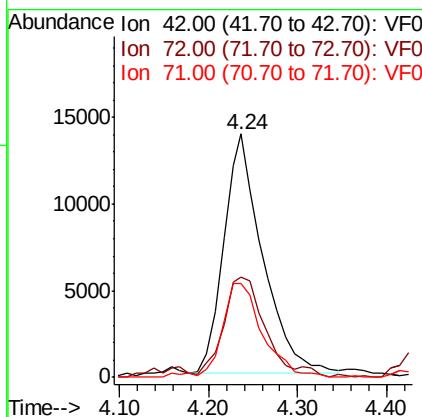
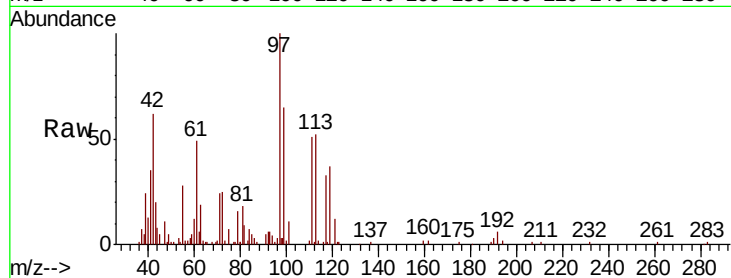
#29
Tetrahydrofuran
Concen: 102.845 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	33.6	50.4
71	41.7	32.7	49.1

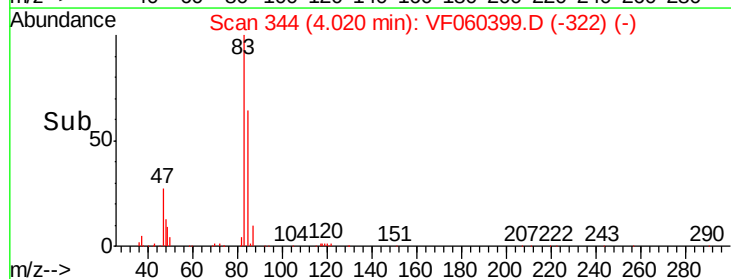
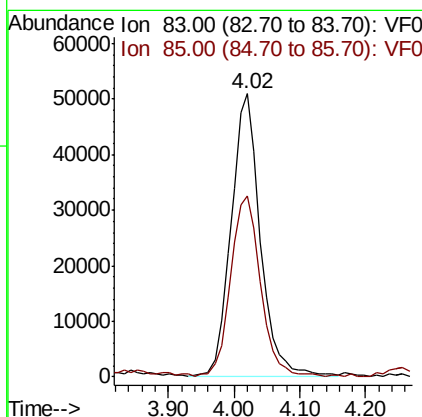
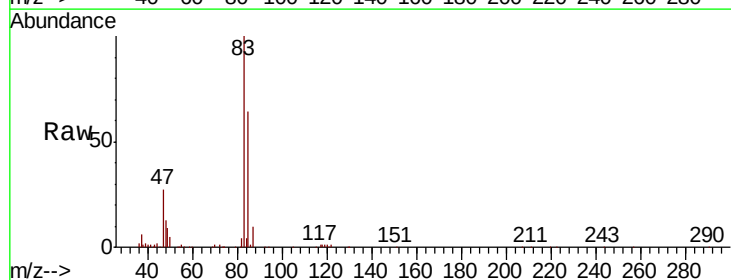
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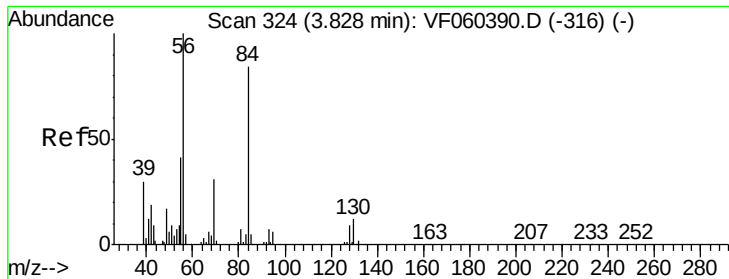
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#30
Chloroform
Concen: 20.940 ug/l
RT: 4.02 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	55.9	83.9





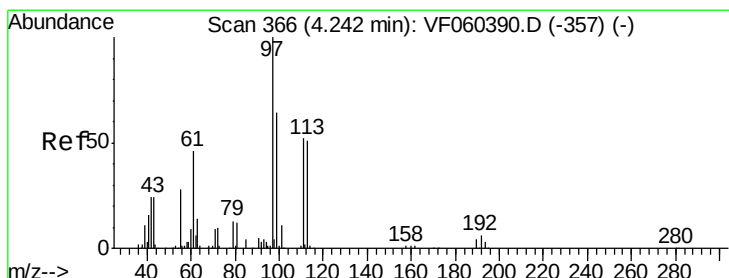
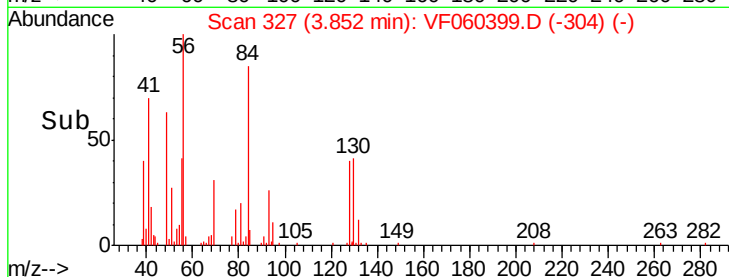
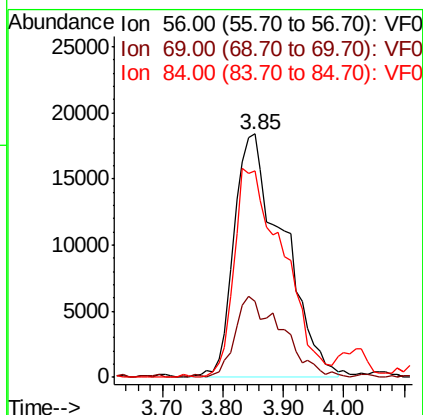
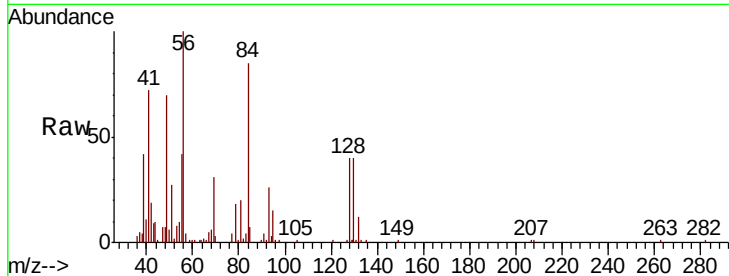
#31
Cyclohexane
Concen: 23.375 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.02 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.5	38.3
84	84.9	67.4	101.0

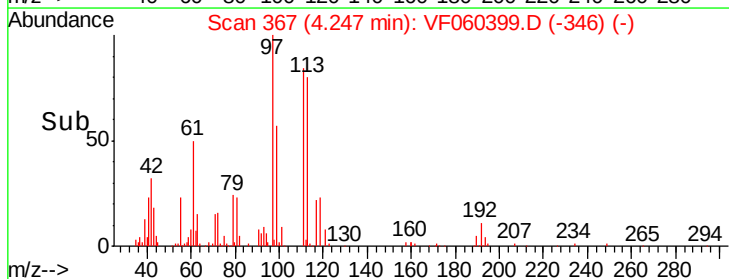
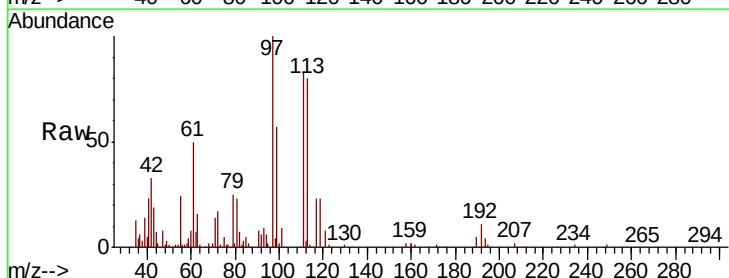
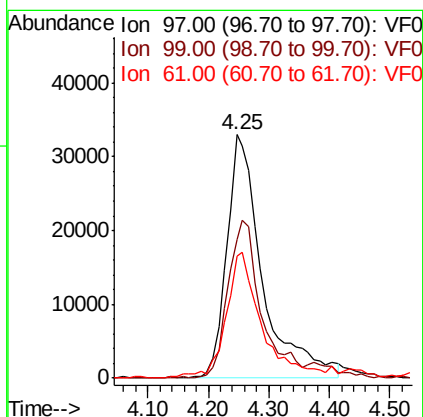
Manual Integrations
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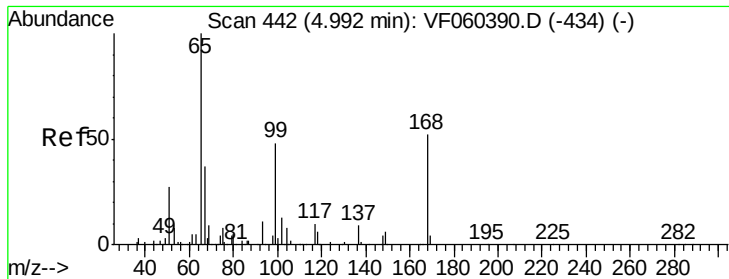
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#32
1,1,1-Trichloroethane
Concen: 21.398 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.1	51.0	76.4
61	50.2	37.5	56.3





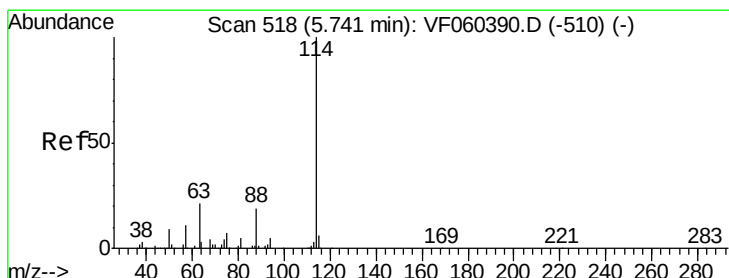
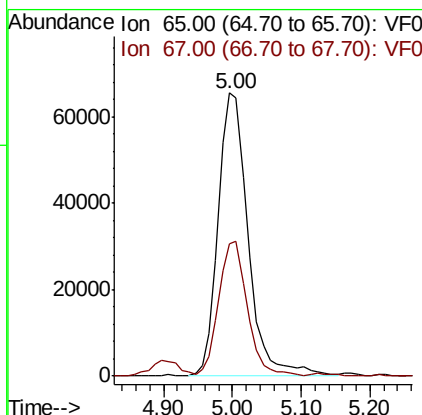
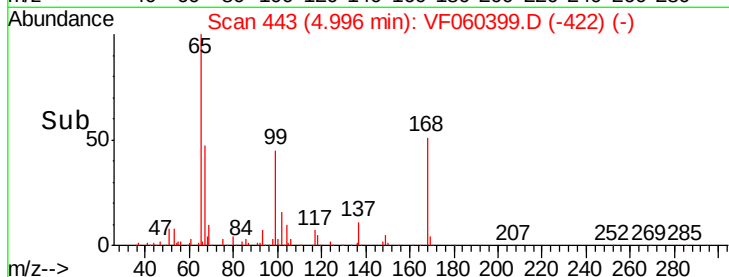
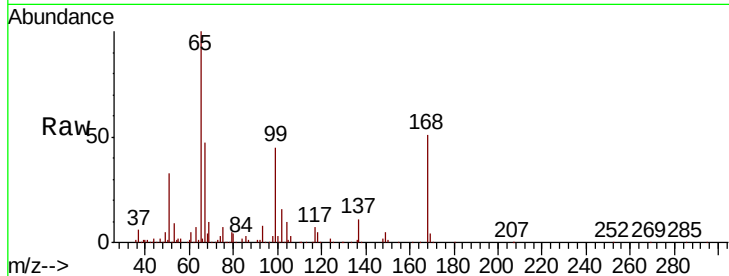
#33
 1,2-Dichloroethane-d4
 Concen: 48.923 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198134		
67	47.0	0.0	89.4	

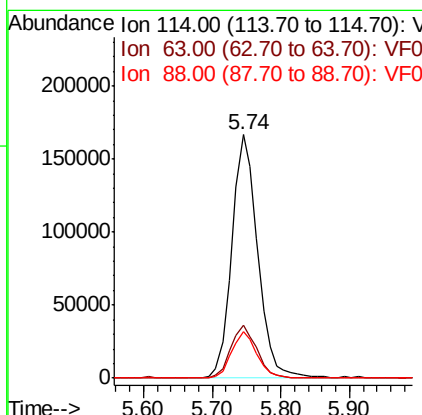
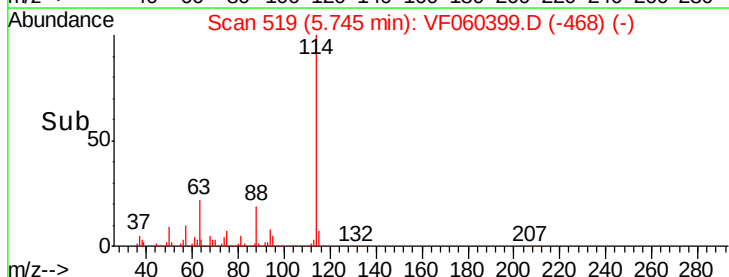
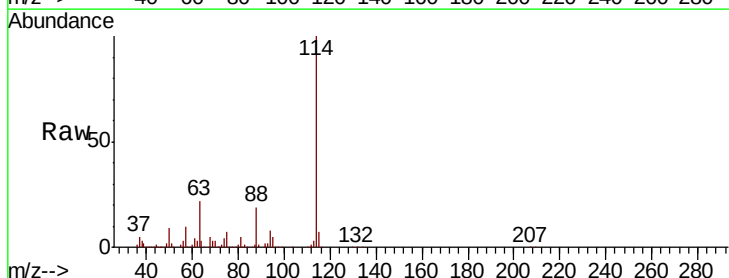
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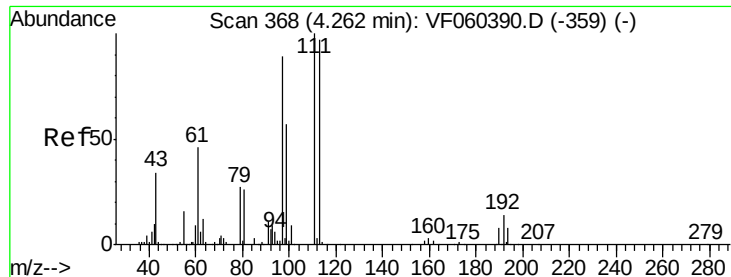
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	433136		
63	21.5	0.0	42.2	
88	19.3	0.0	38.8	





#35

Dibromofluoromethane

Concen: 49.698 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

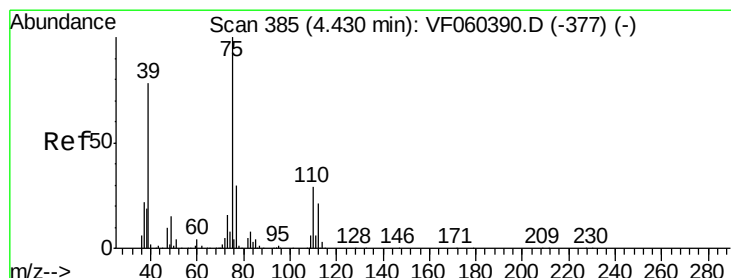
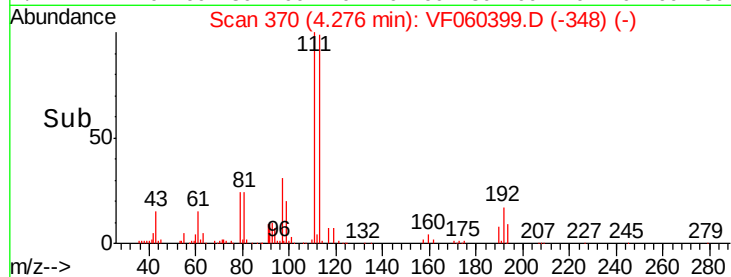
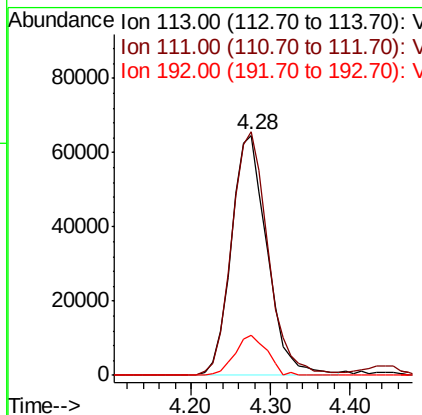
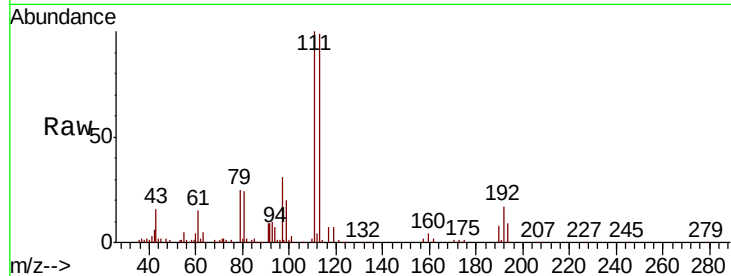
ClientSampleId :

VF1002SBSD01

Tot Ion:	113	Resp:	202223
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.3	123.5
192	16.8	11.8	17.6

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#36

1,1-Dichloropropene

Concen: 20.587 ug/l

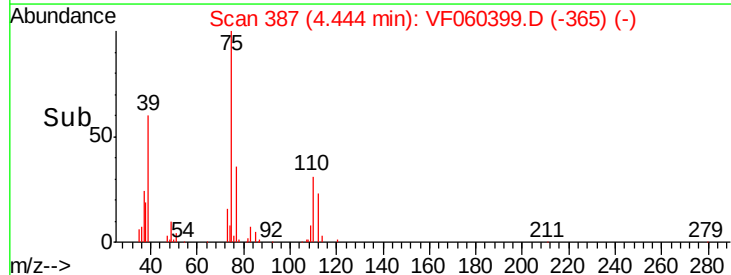
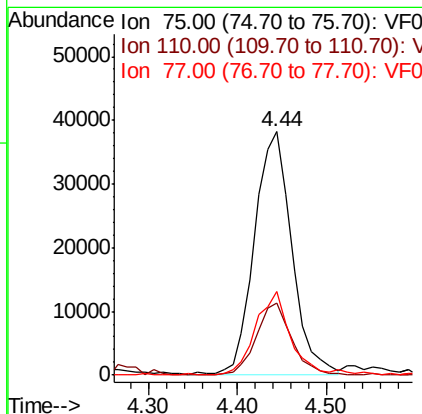
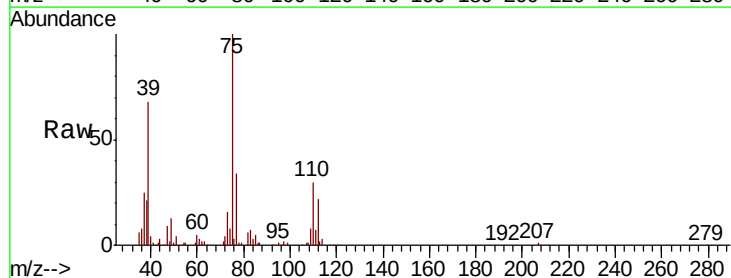
RT: 4.44 min Scan# 387

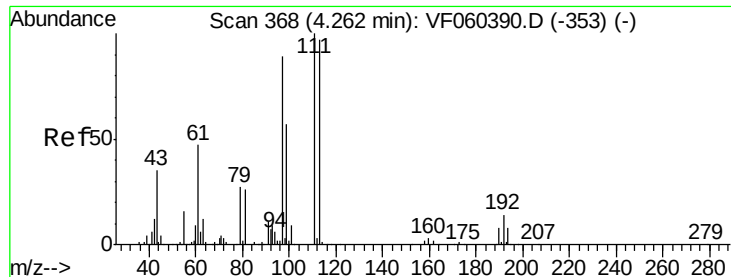
Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:	75	Resp:	109939
Ion Ratio	Lower	Upper	
75	100		
110	29.6	14.5	43.6
77	34.2	24.3	36.5





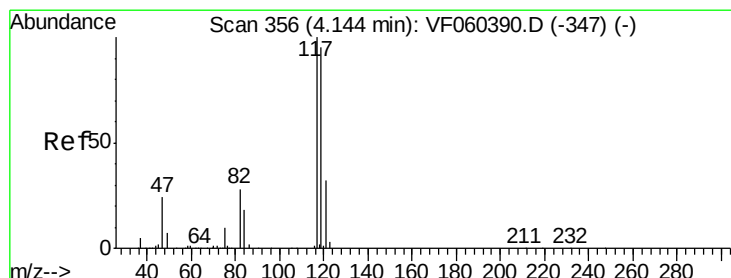
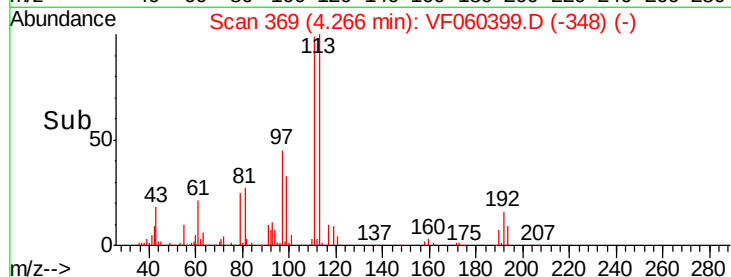
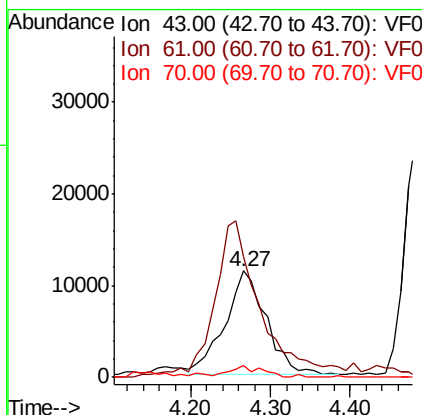
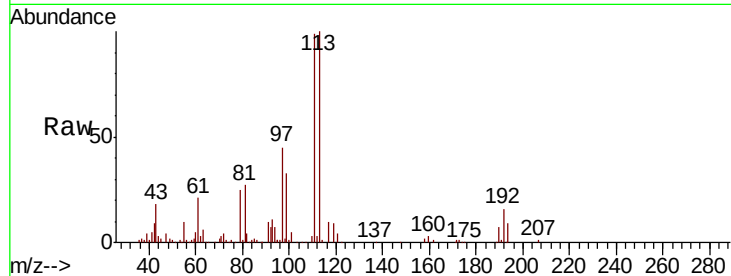
#37
Ethyl Acetate
Concen: 20.169 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	43	61	70
Resp	41246		
Ratio	100	114.2	11.2
Lower		105.1	8.0
Upper		157.7	12.0

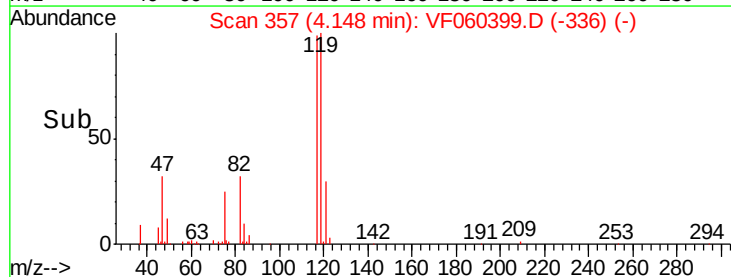
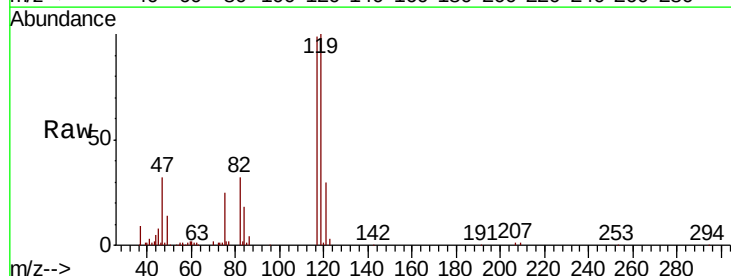
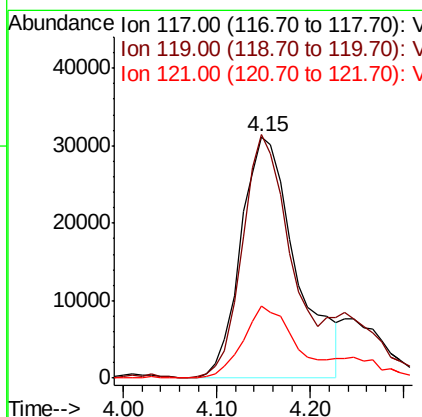
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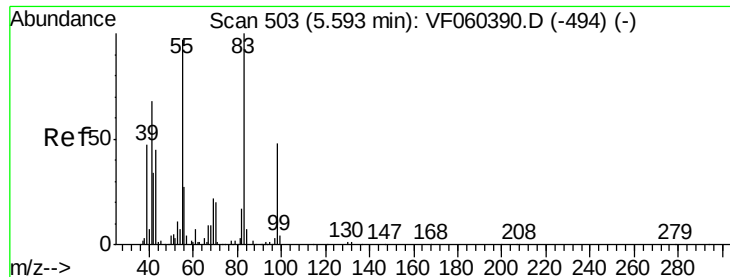
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#38
Carbon Tetrachloride
Concen: 19.563 ug/l m
RT: 4.15 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	117	119	121
Resp	127166		
Ratio	100	100.8	30.0
Lower		75.5	25.4
Upper		113.3	38.0





#39

Methylvlcyclohexane

Concen: 21.968 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

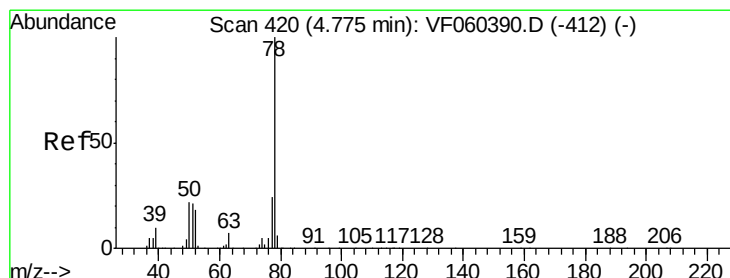
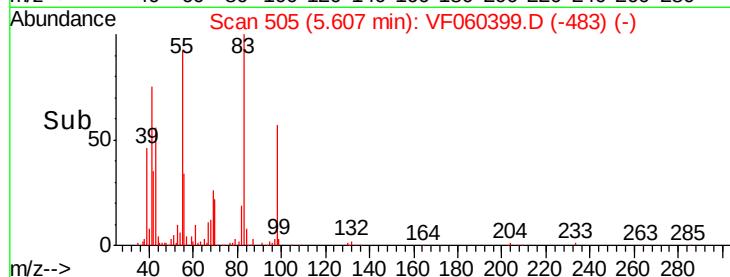
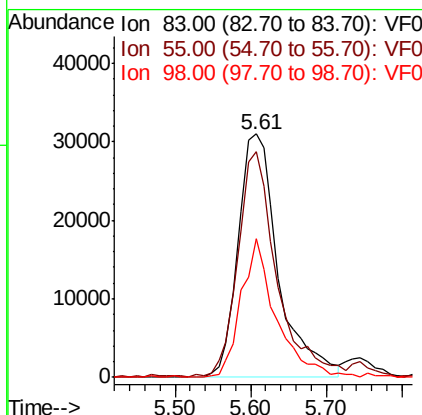
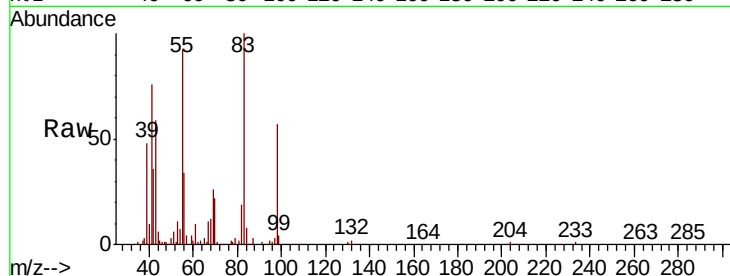
ClientSampleId :

VF1002SBSD01

Tot Ion:	83	Resp:	115006
Ion	Ratio	Lower	Upper
83	100		
55	92.4	77.5	116.3
98	56.9	38.7	58.1

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#40

Benzene

Concen: 21.975 ug/l

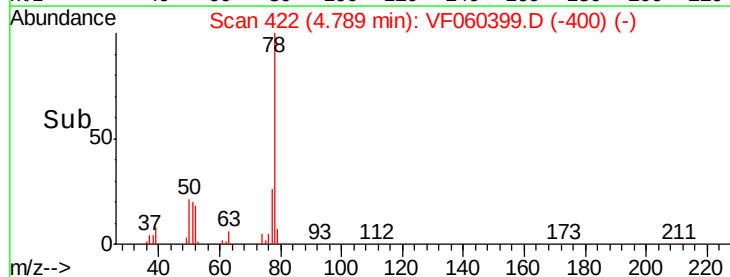
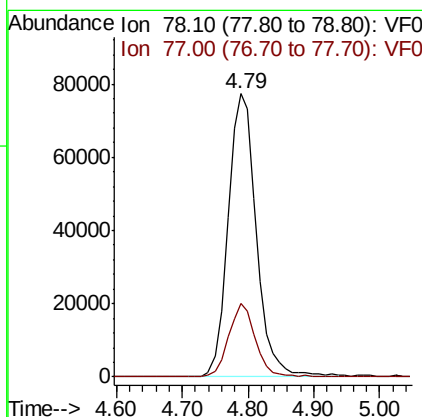
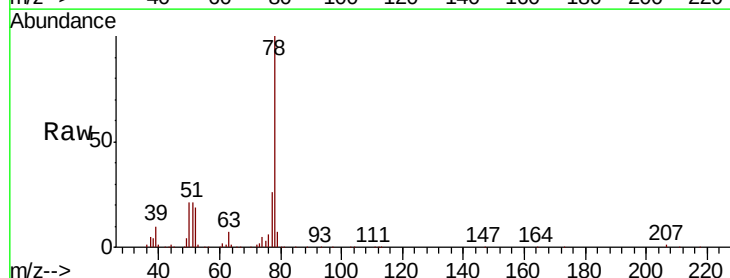
RT: 4.79 min Scan# 422

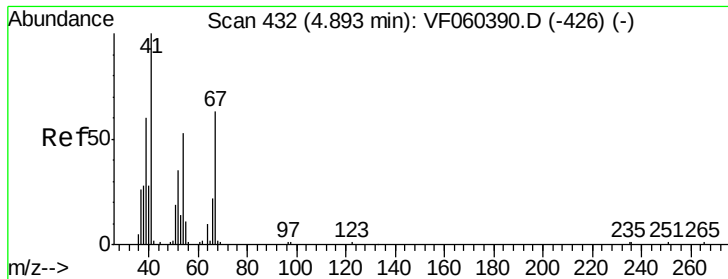
Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:	78	Resp:	232968
Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.2	28.8





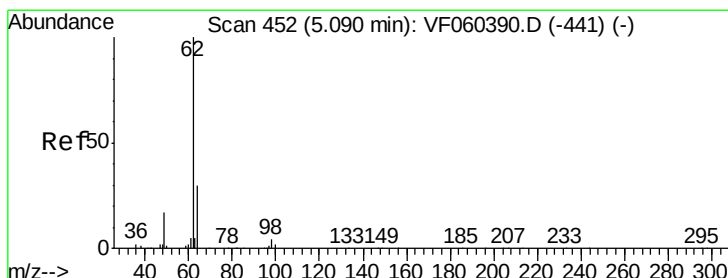
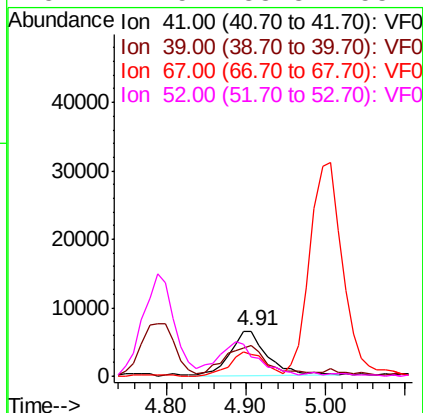
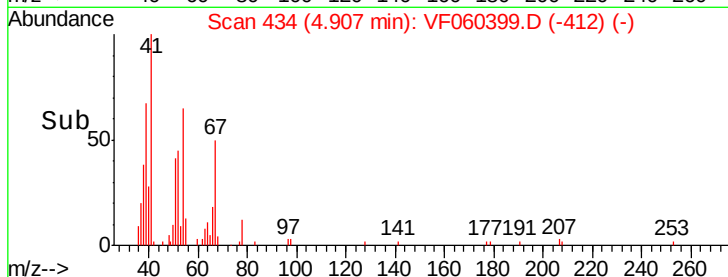
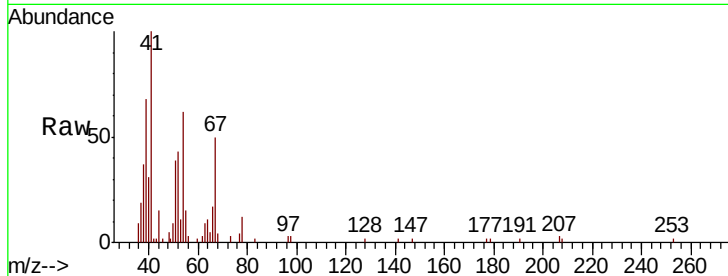
#41
Methacrylonitrile
Concen: 19.777 ug/l
RT: 4.91 min Scan# 434
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.0	55.0	82.4
67	49.6	49.6	74.4
52	42.5	38.8	58.2

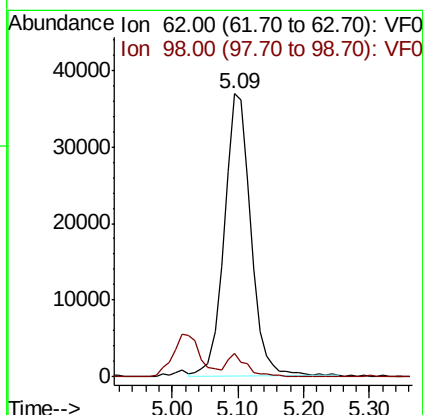
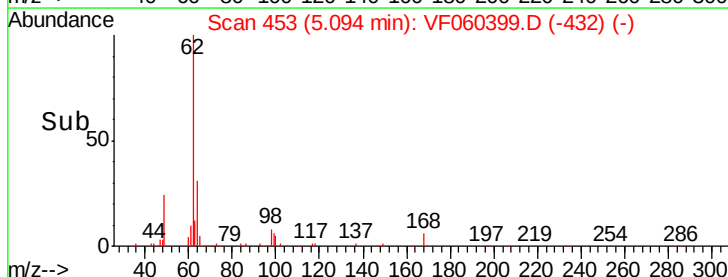
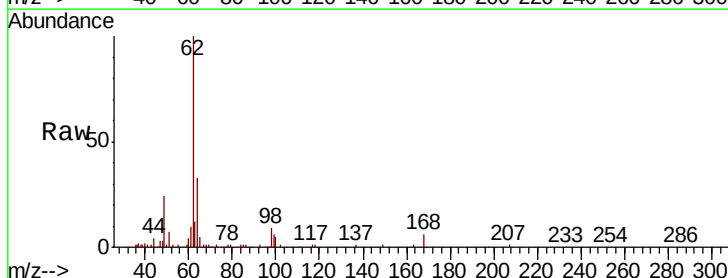
Manual Integrations
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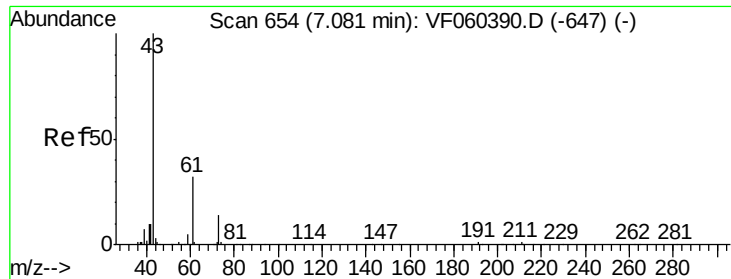
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#42
1,2-Dichloroethane
Concen: 20.478 ug/l
RT: 5.09 min Scan# 453
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	11.2





#43

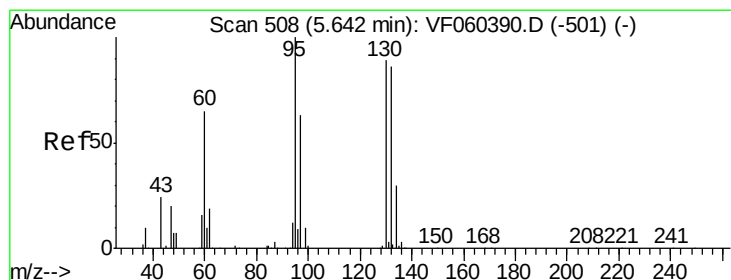
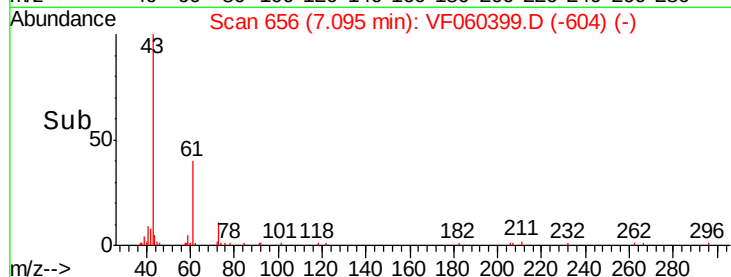
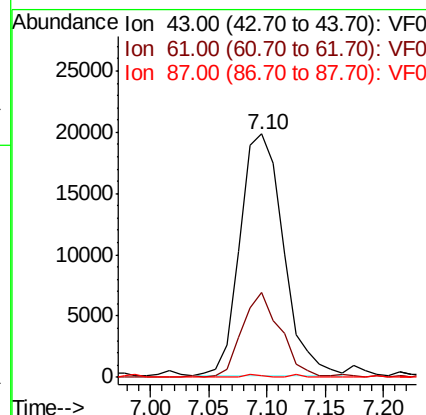
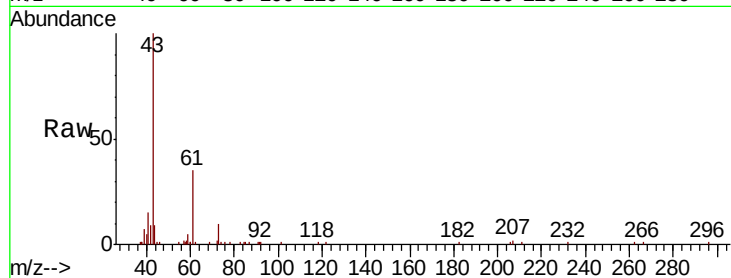
Isopropyl Acetate
 Concen: 20.515 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.9	25.4	38.2
87	0.9	0.3	0.5

Manual Integrations
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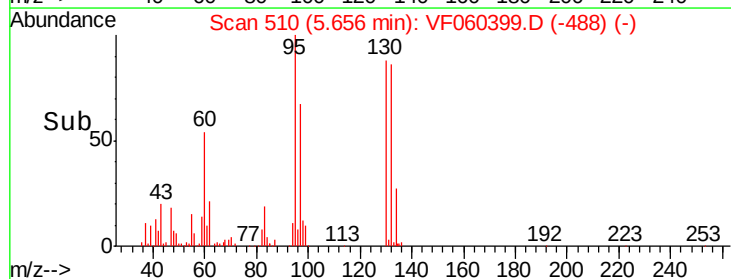
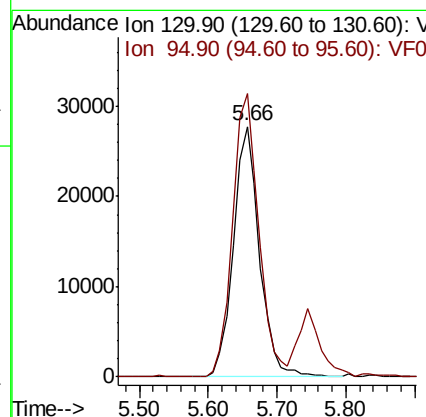
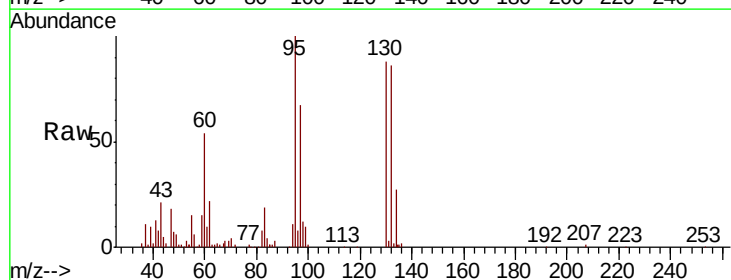
apatel
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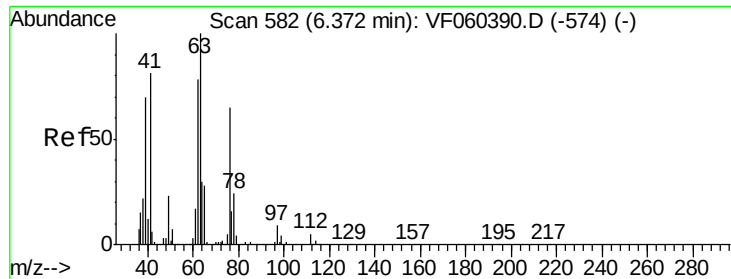


#44

Trichloroethene
 Concen: 21.321 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.0	0.0	224.4





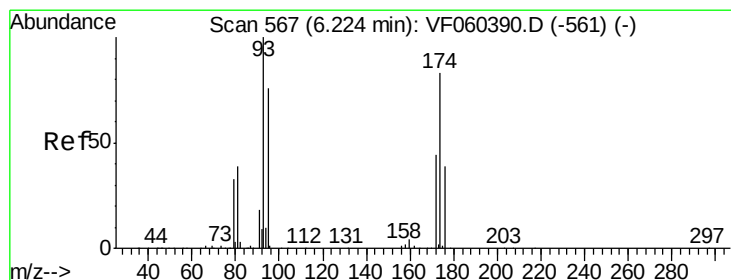
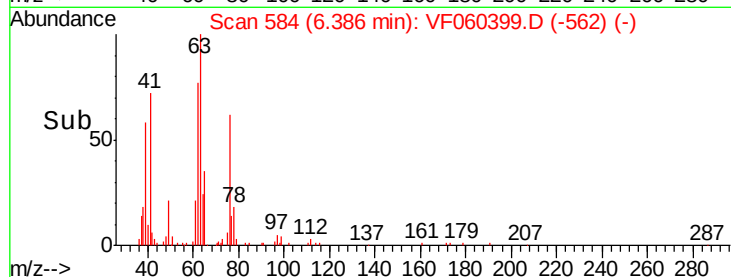
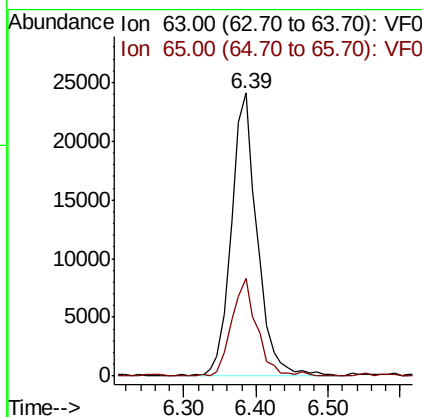
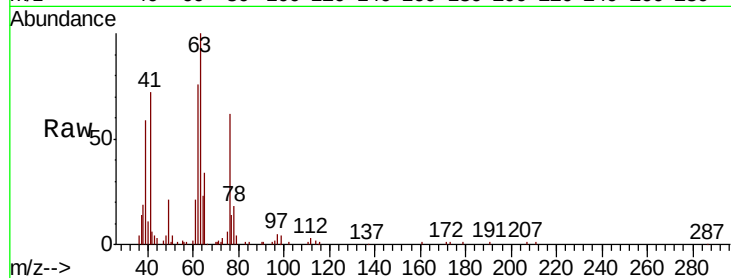
#45
 1,2-Dichloropropane
 Concen: 21.380 ug/l
 RT: 6.39 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Tot Ion: 63 Resp: 60362
 Ion Ratio Lower Upper
 63 100
 65 34.4 22.7 34.1#

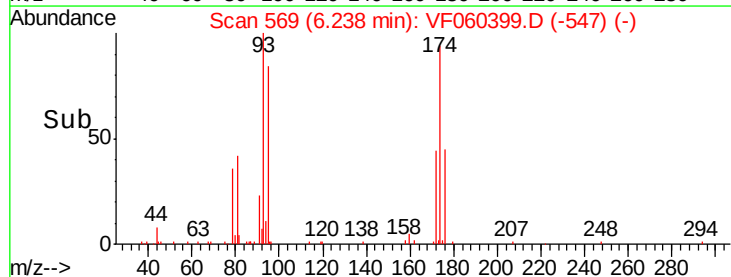
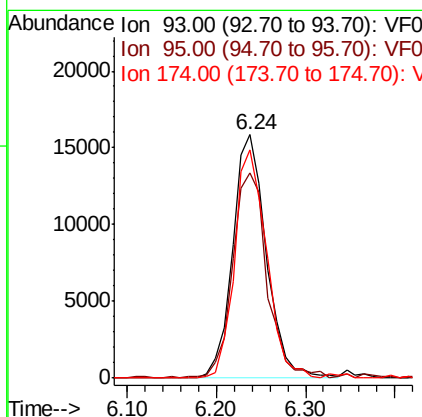
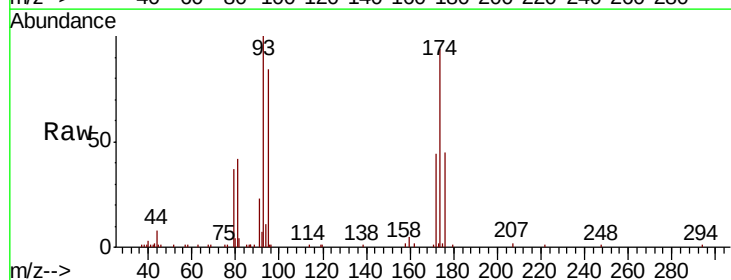
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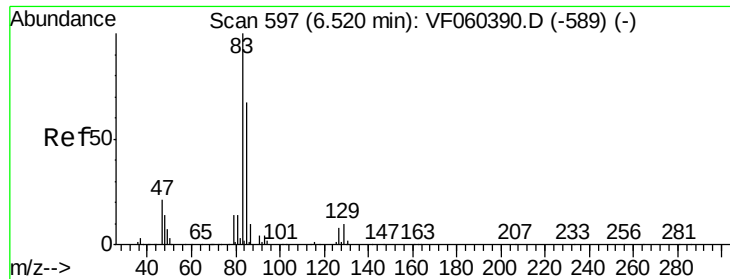
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#46
 Dibromomethane
 Concen: 18.448 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion: 93 Resp: 41876
 Ion Ratio Lower Upper
 93 100
 95 85.5 61.1 91.7
 174 93.6 66.7 100.1





#47

Bromodichloromethane

Concen: 20.827 ug/l

RT: 6.52 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

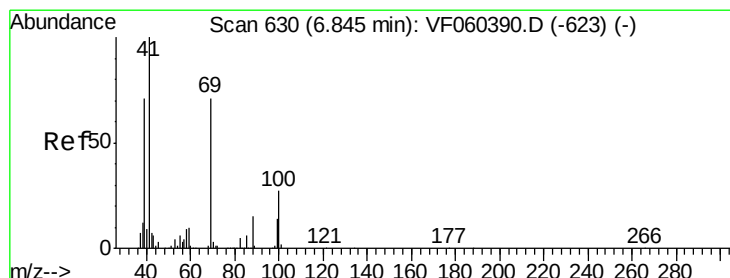
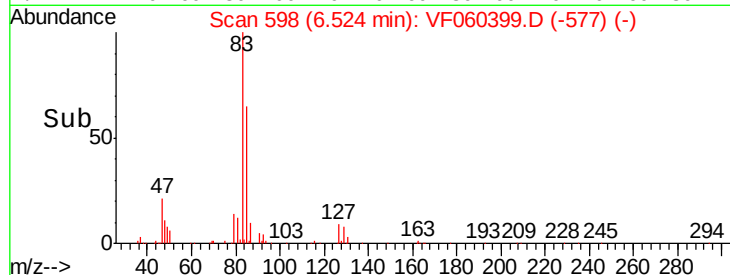
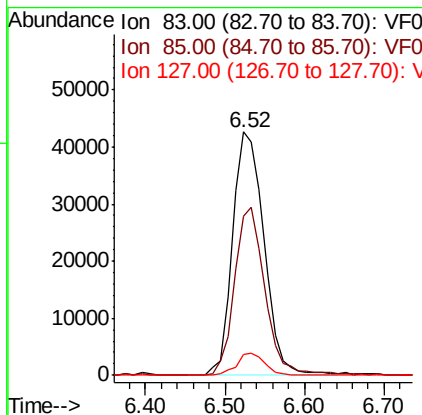
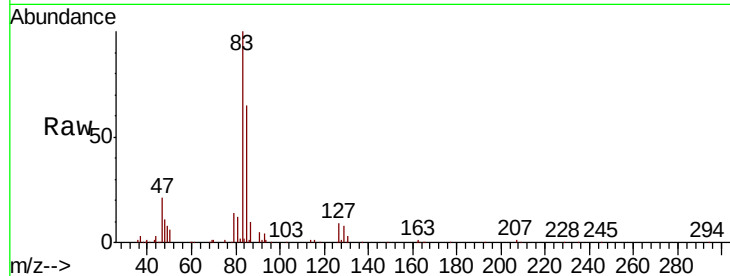
ClientSampleId :

VF1002SBSD01

Tot Ion:	83	Resp:	117087
Ion Ratio	Lower	Upper	
83	100		
85	65.4	53.2	79.8
127	9.4	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.254 ug/l

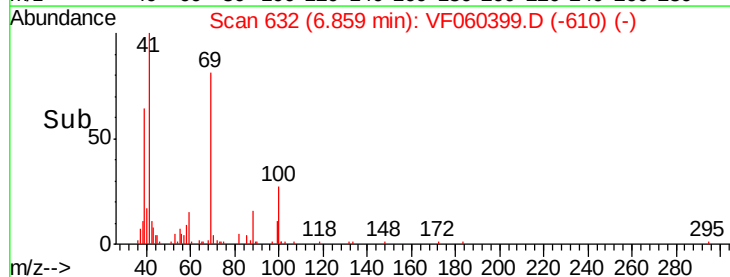
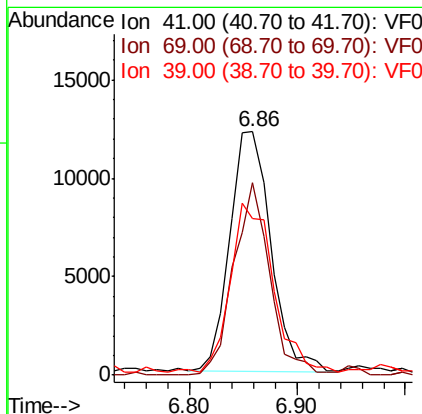
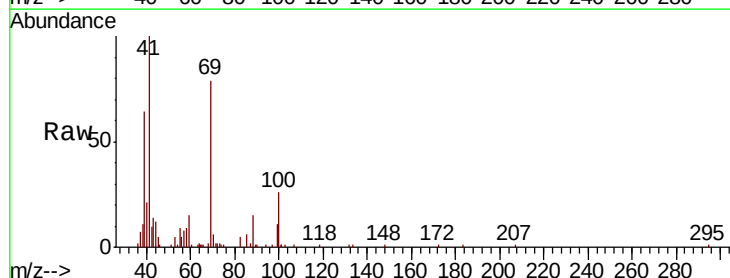
RT: 6.86 min Scan# 632

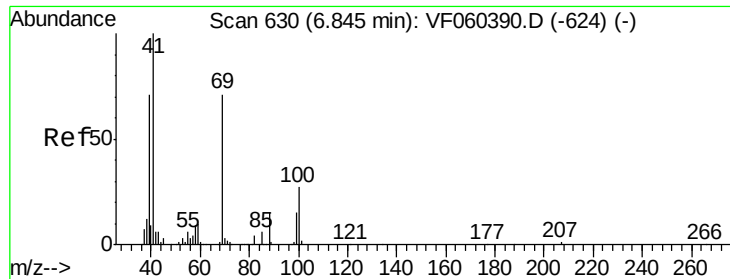
Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:	41	Resp:	32382
Ion Ratio	Lower	Upper	
41	100		
69	79.2	56.3	84.5
39	64.4	56.9	85.3





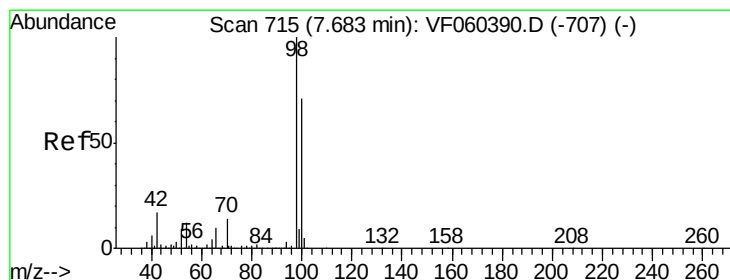
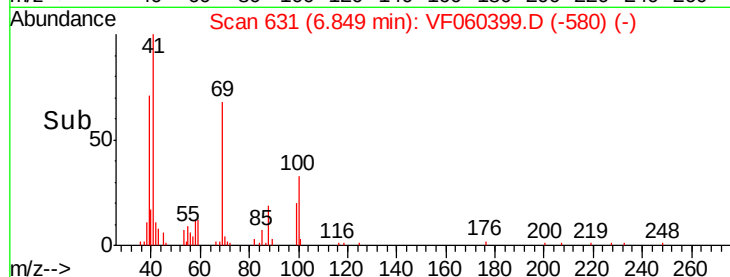
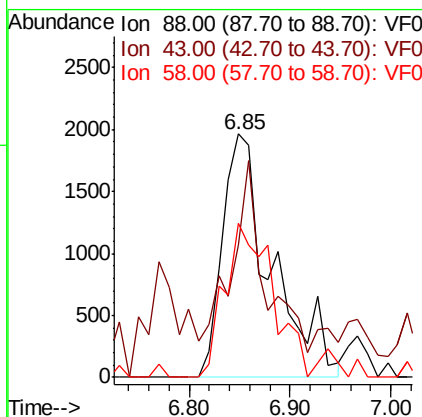
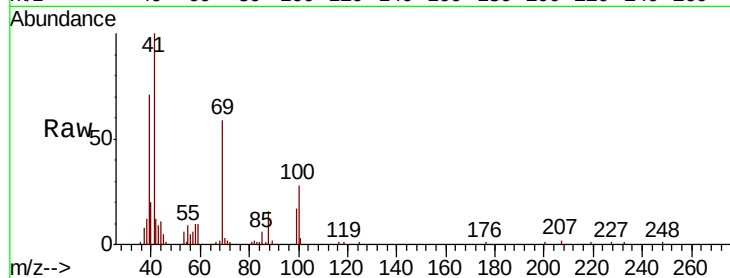
#49
1,4-Dioxane
Concen: 434.173 ug/l
RT: 6.85 min Scan# 631
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	54.1	38.3	57.5
58	63.1	47.4	71.2

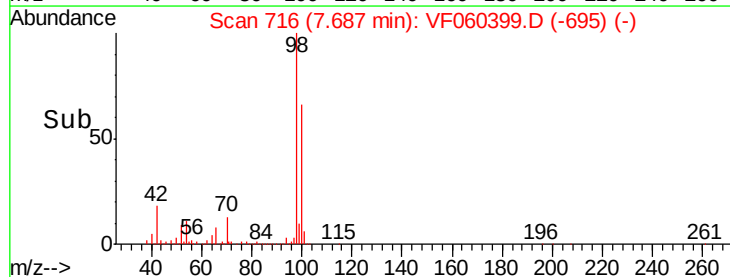
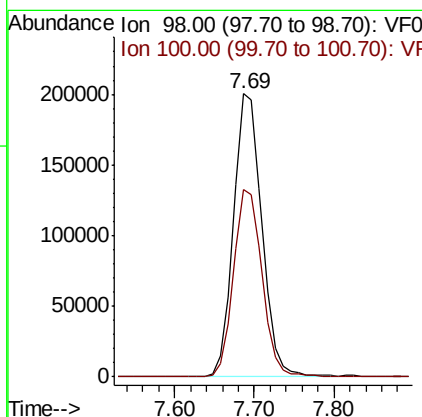
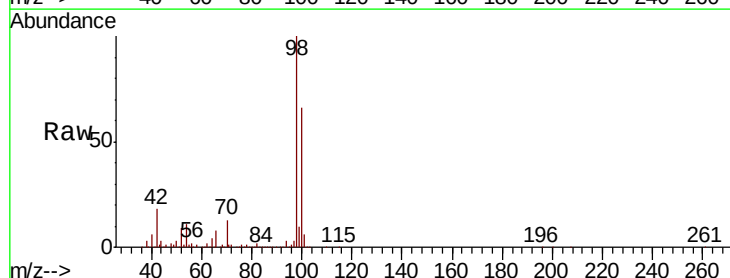
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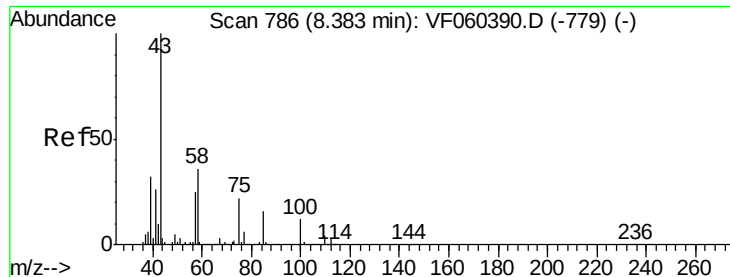
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#50
Toluene-d8
Concen: 49.514 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 111.266 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 43 Resp: 195739

Ion Ratio Lower Upper

43 100

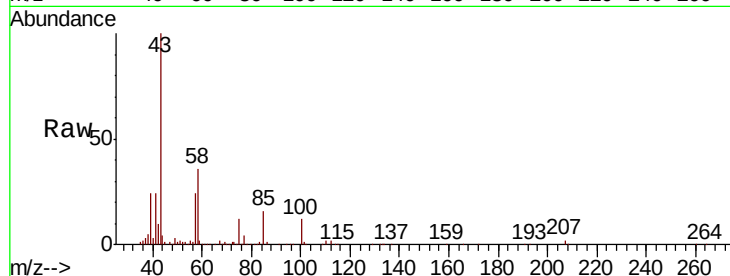
58 36.0 28.5 42.7

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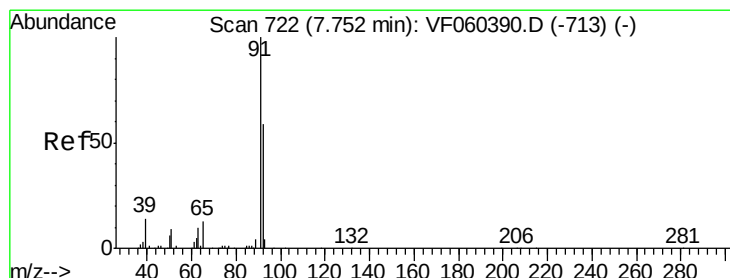
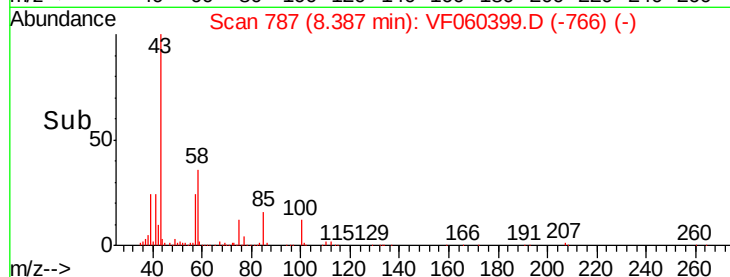
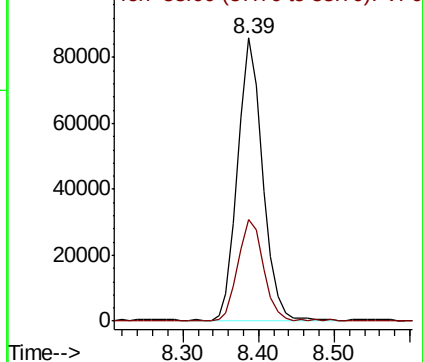
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.014 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.01 min

Lab File: VF060399.D

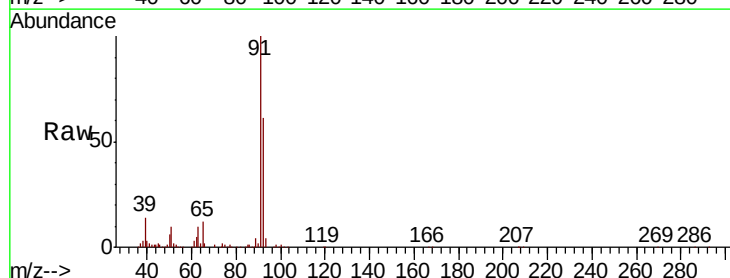
Acq: 2 Oct 2018 13:49

Tgt Ion: 92 Resp: 144117

Ion Ratio Lower Upper

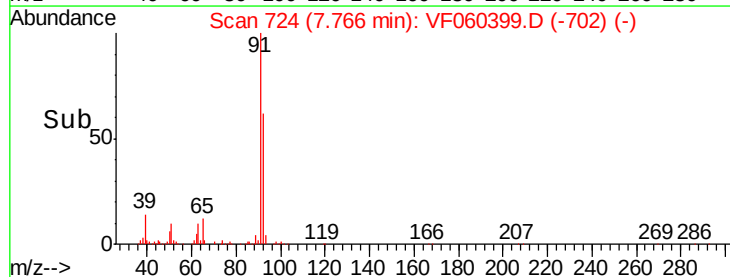
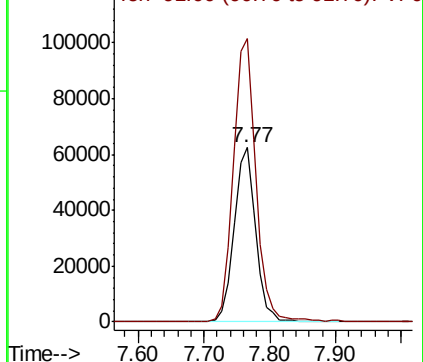
92 100

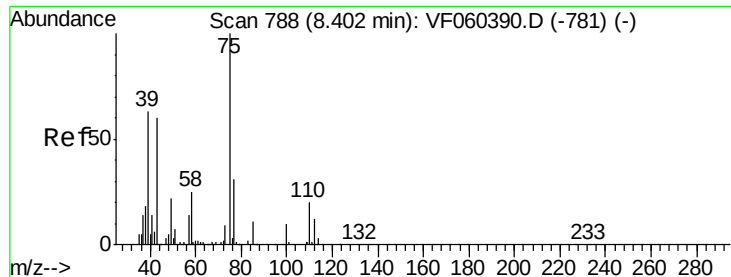
91 162.6 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.696 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tot Ion: 75 Resp: 91181

Ion Ratio Lower Upper

75 100

77 30.0 24.6 36.8

Instrument :

MSVOA_F

ClientSampleId :

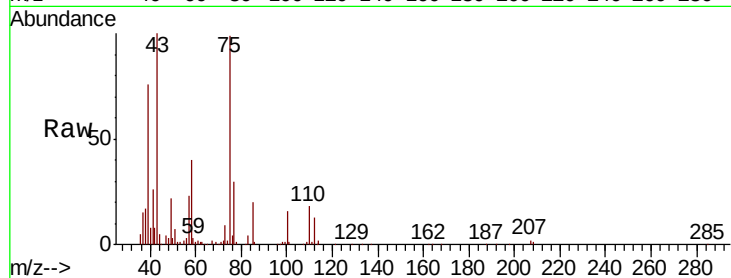
VF1002SBSD01

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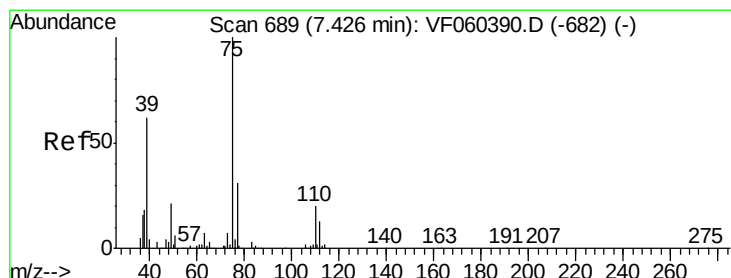
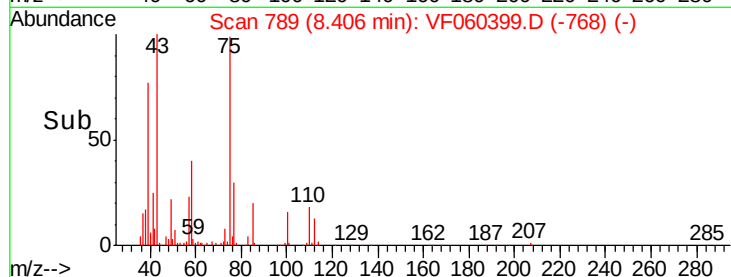
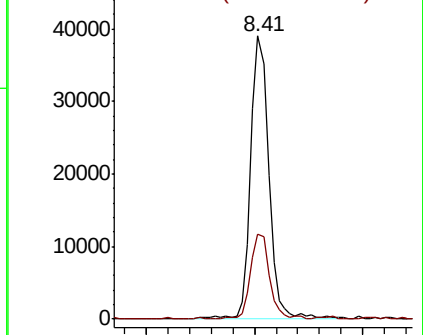
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 19.491 ug/l

RT: 7.44 min Scan# 691

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

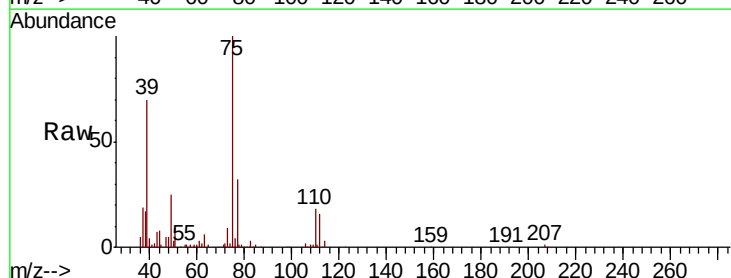
Tgt Ion: 75 Resp: 100362

Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

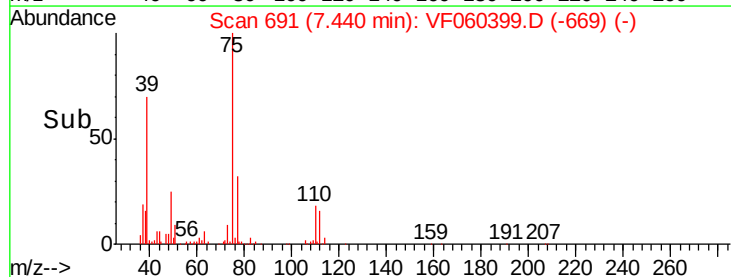
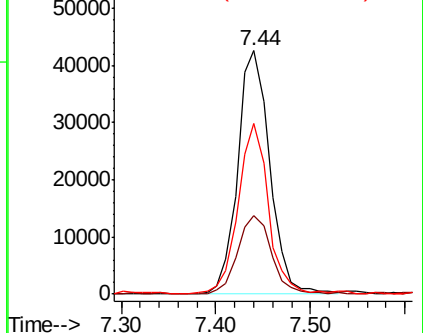
39 69.9 49.7 74.5

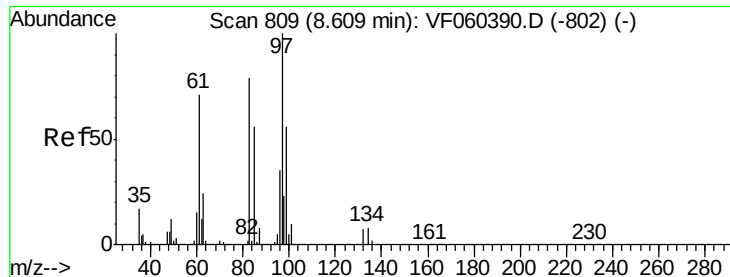


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 18.958 ug/l

RT: 8.61 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

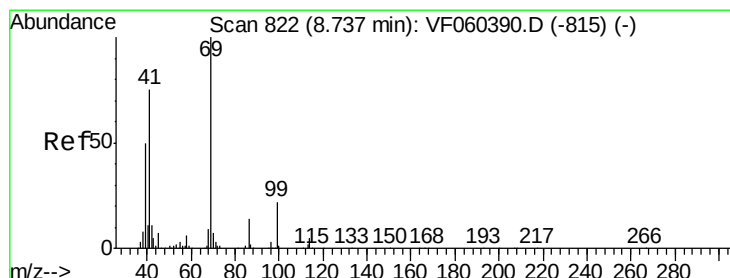
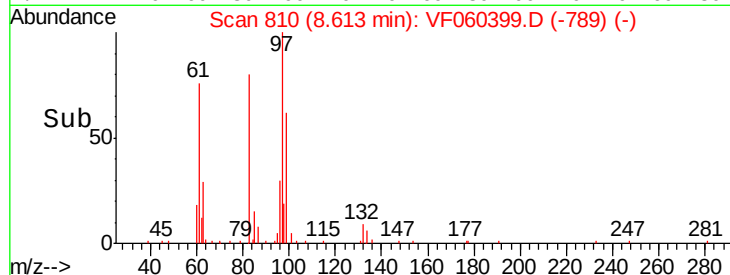
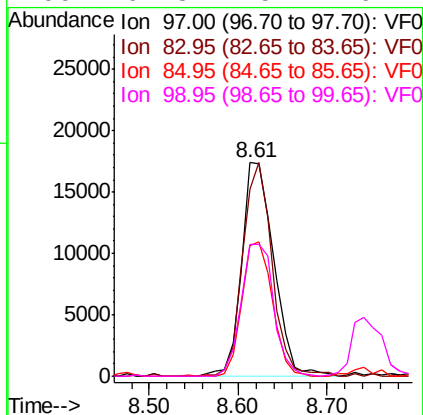
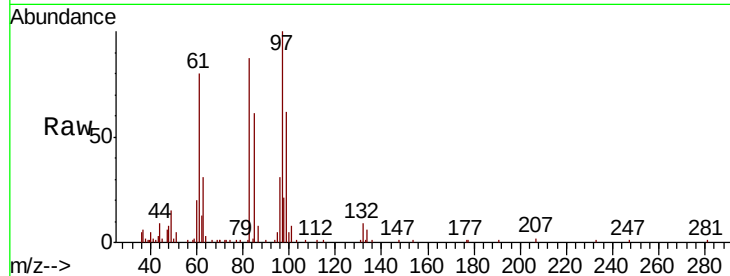
ClientSampleId :

VF1002SBSD01

Tot Ion:	97	Resp:	43271
Ion Ratio	Lower	Upper	
97	100		
83	87.4	63.4	95.0
85	60.9	44.5	66.7
99	61.8	45.1	67.7

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#56

Ethyl methacrylate

Concen: 20.463 ug/l

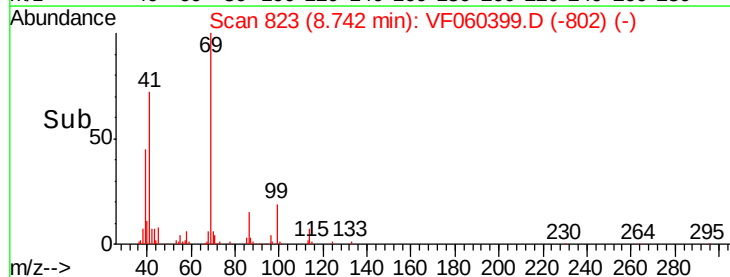
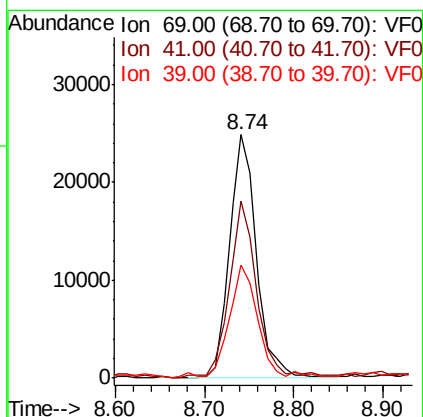
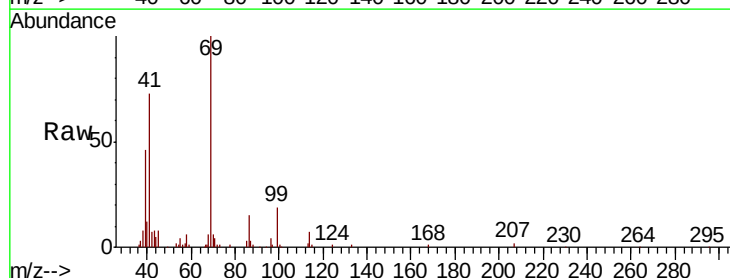
RT: 8.74 min Scan# 823

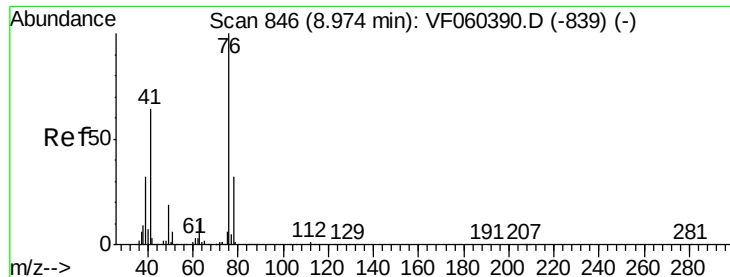
Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:	69	Resp:	53071
Ion Ratio	Lower	Upper	
69	100		
41	72.5	60.2	90.4
39	46.3	40.2	60.2





#57

1,3-Dichloropropane

Concen: 19.706 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 76 Resp: 76091

Ion Ratio Lower Upper

76 100

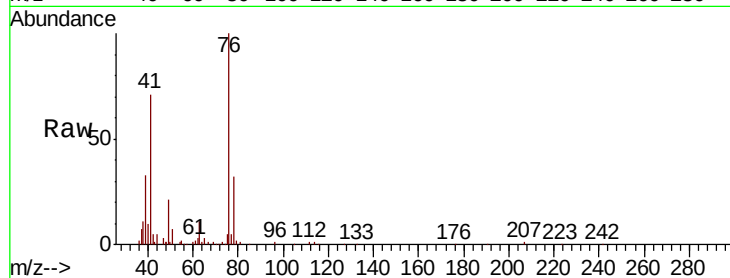
78 32.4 25.3 37.9

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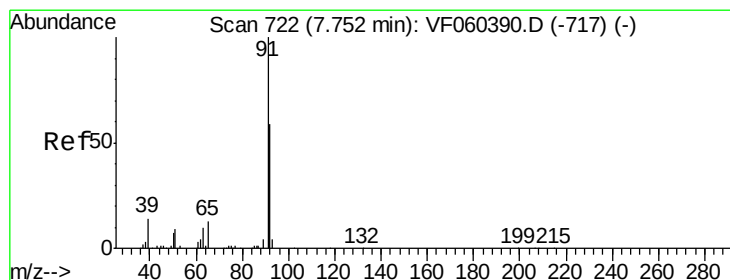
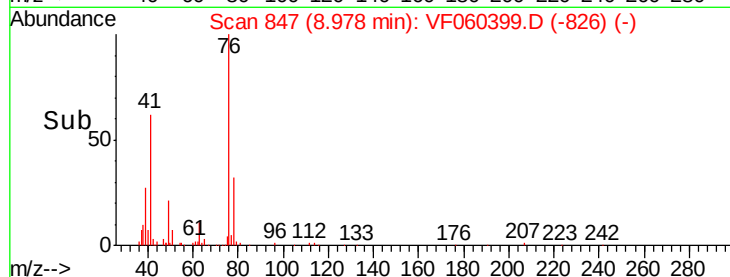
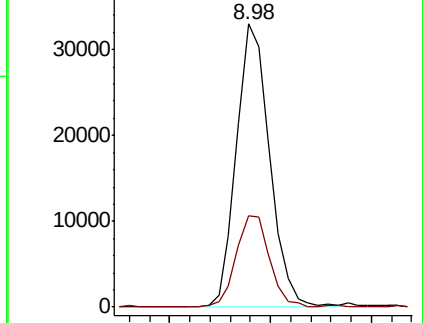
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 93.738 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060399.D

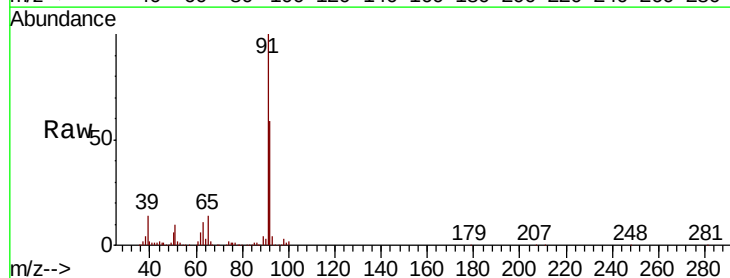
Acq: 2 Oct 2018 13:49

Tgt Ion: 63 Resp: 24833

Ion Ratio Lower Upper

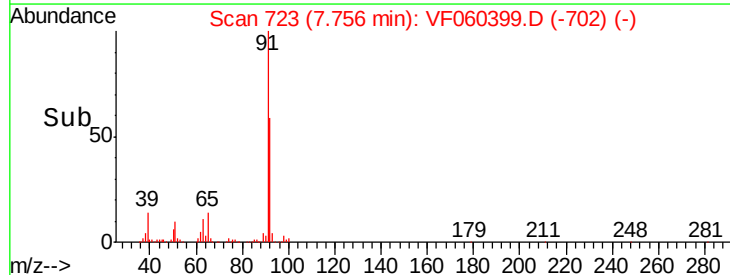
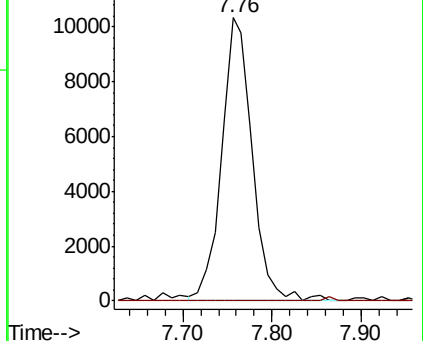
63 100

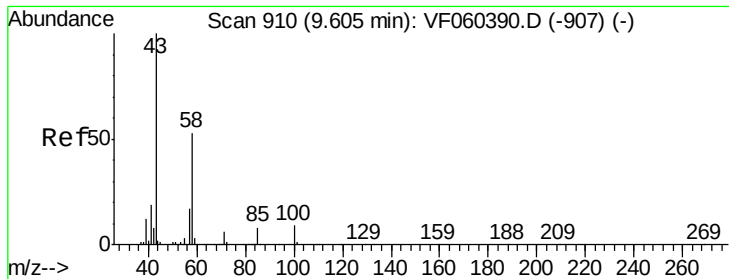
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 122.543 ug/l

RT: 9.61 min Scan# 911

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 43 Resp: 158122

Ion Ratio Lower Upper

43 100

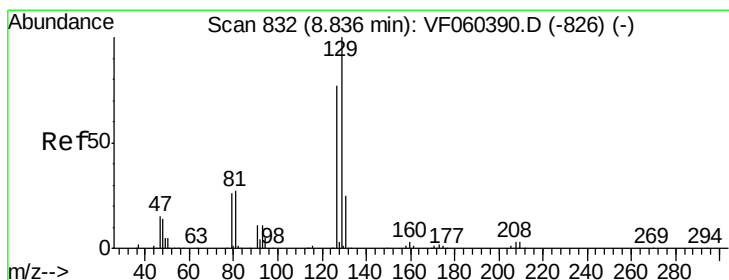
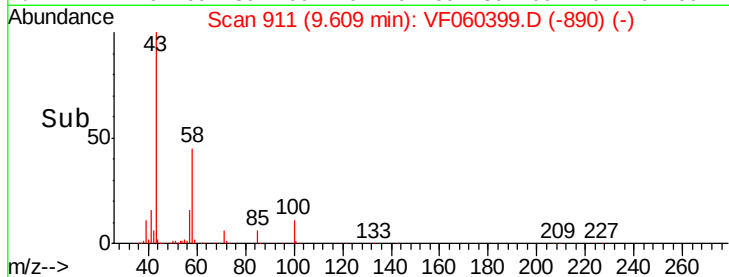
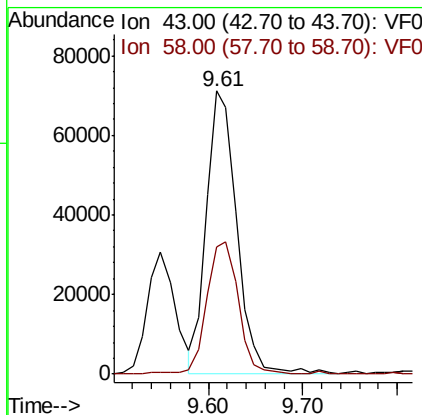
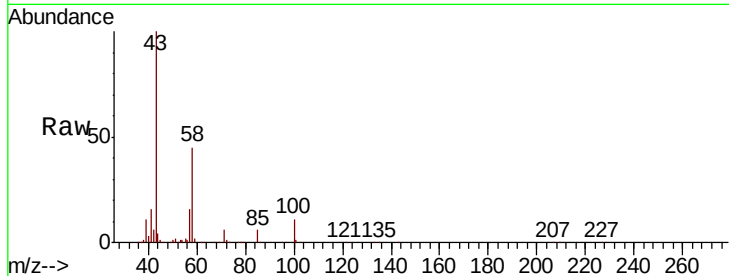
58 44.8 25.6 76.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 18.429 ug/l

RT: 8.84 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF060399.D

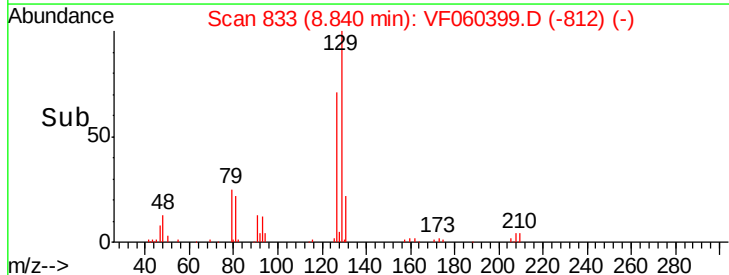
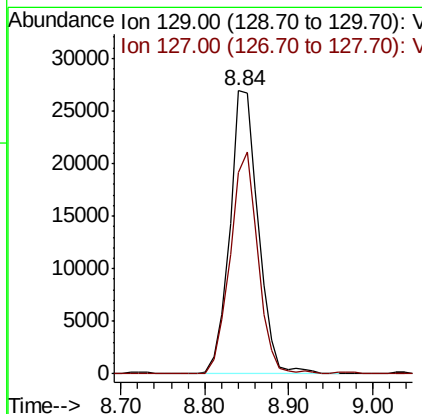
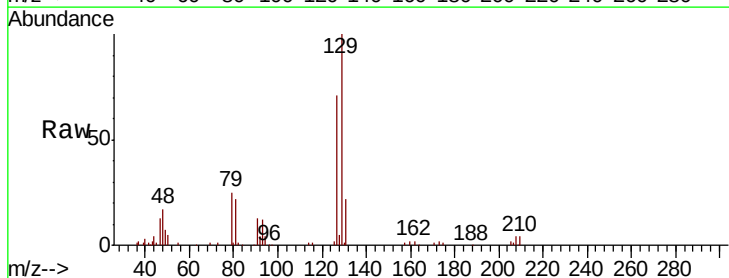
Acq: 2 Oct 2018 13:49

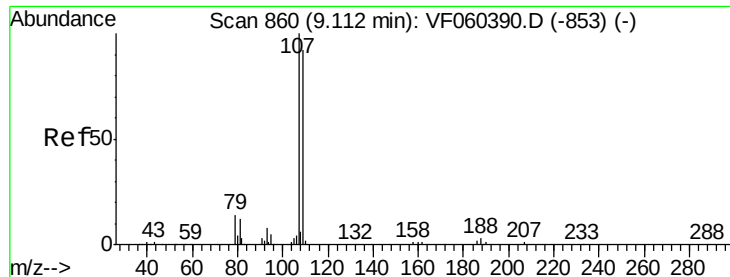
Tgt Ion: 129 Resp: 63331

Ion Ratio Lower Upper

129 100

127 71.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.383 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 107 Resp: 48408

Ion Ratio Lower Upper

107 100

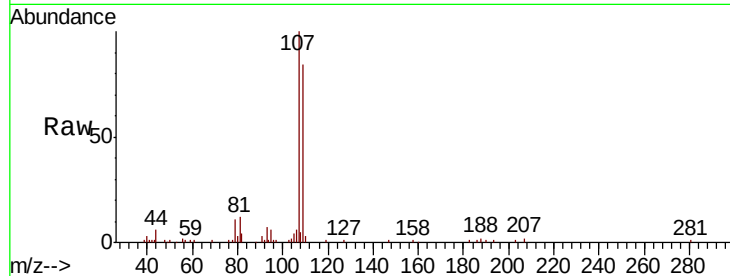
109 83.9 73.7 110.5

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

9.12

25000

20000

15000

10000

5000

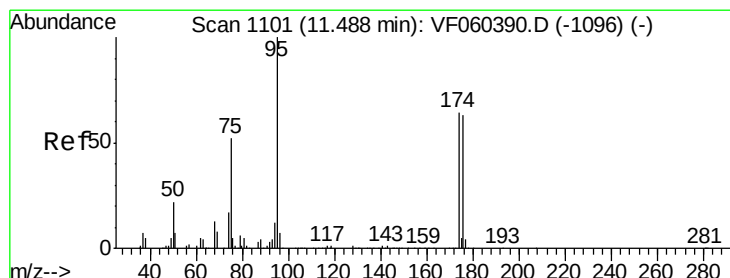
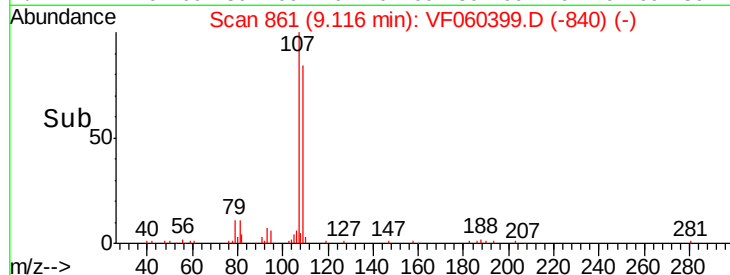
0

Time-->

9.00

9.10

9.20



#62

4-Bromofluorobenzene

Concen: 46.741 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

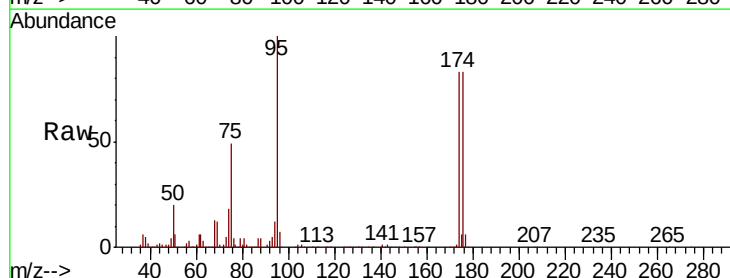
Tgt Ion: 95 Resp: 213871

Ion Ratio Lower Upper

95 100

174 83.5 0.0 129.0

176 82.8 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

150000

100000

50000

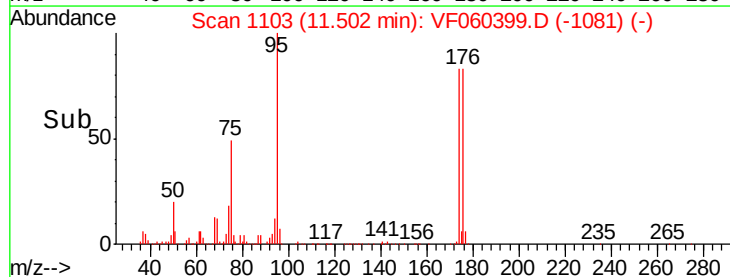
0

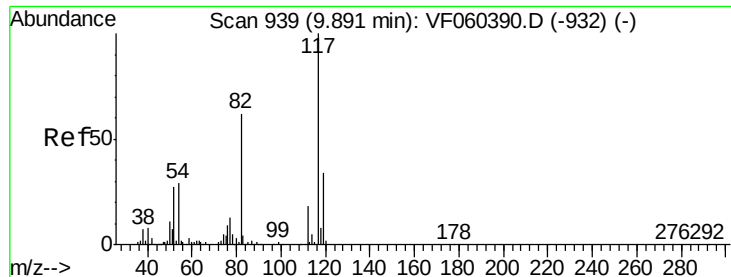
Time-->

11.40

11.50

11.60





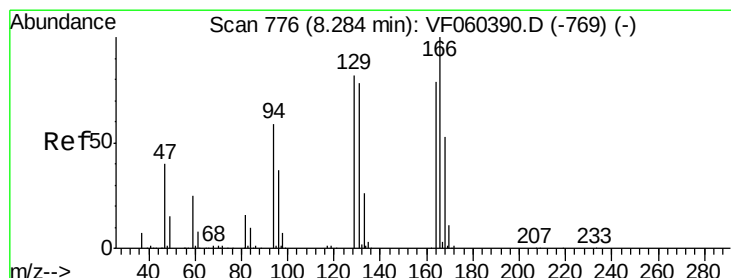
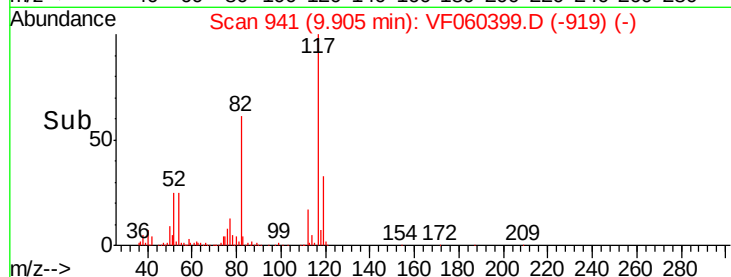
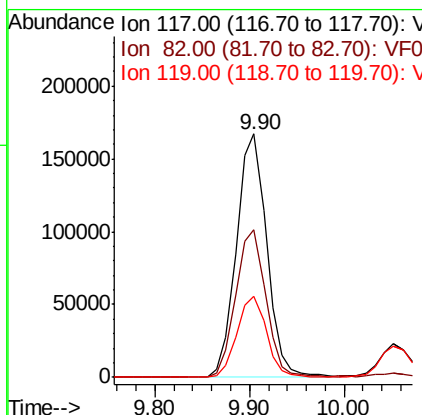
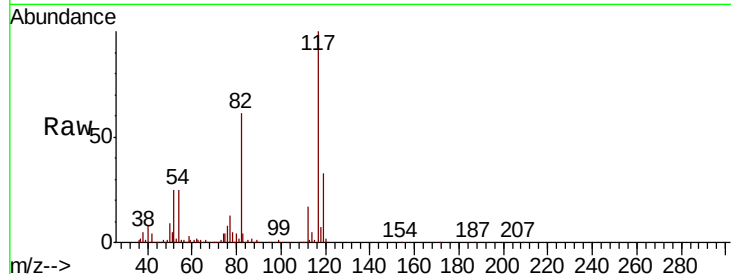
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	49.5	74.3
119	33.1	27.0	40.6

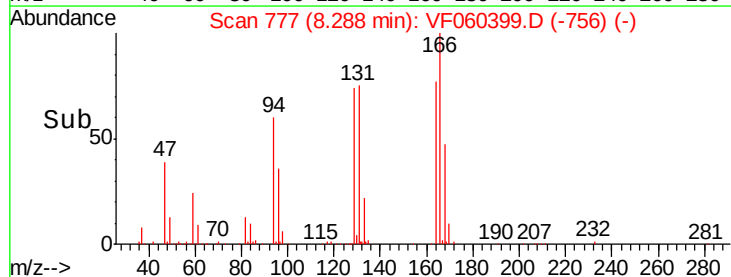
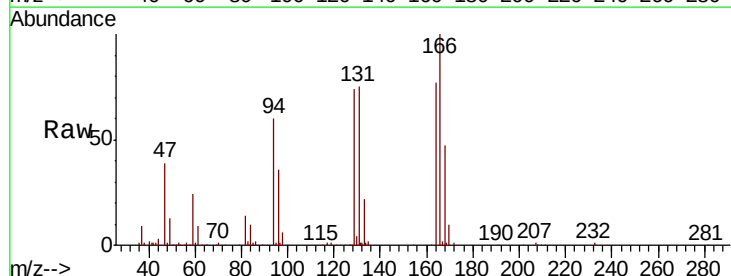
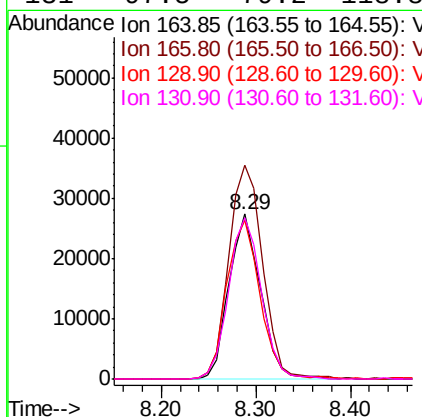
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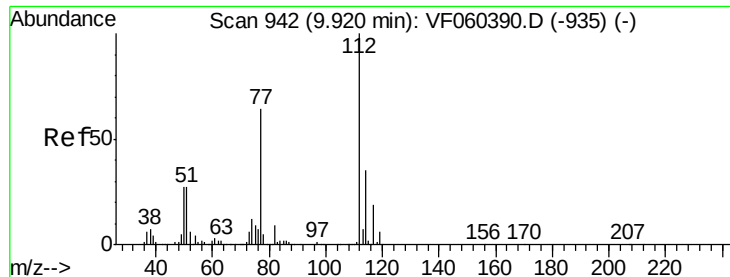
apatel
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#64
Tetrachloroethene
Concen: 21.455 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.0	151.6
129	96.4	82.5	123.7
131	97.5	79.2	118.8





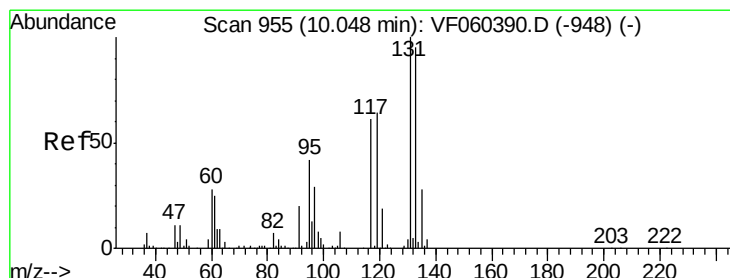
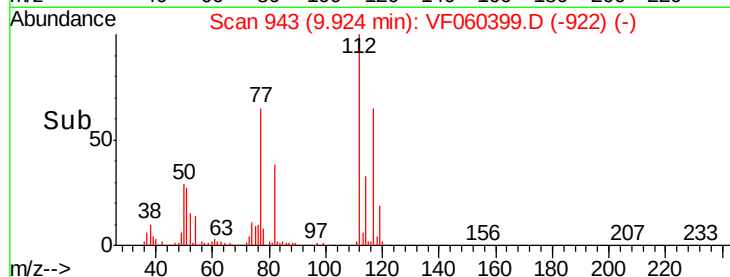
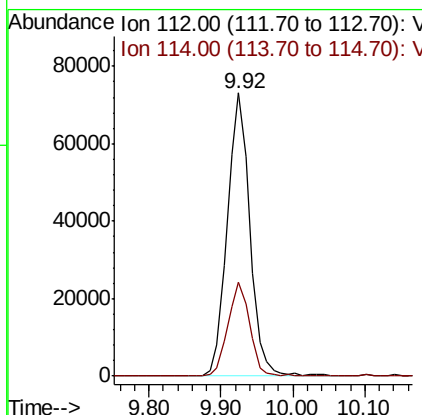
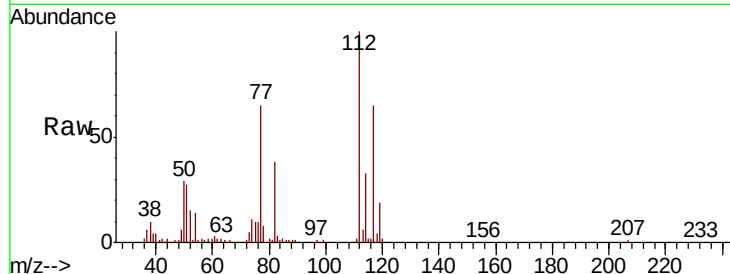
#65
Chlorobenzene
Concen: 20.901 ug/l
RT: 9.92 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	27.7	41.5

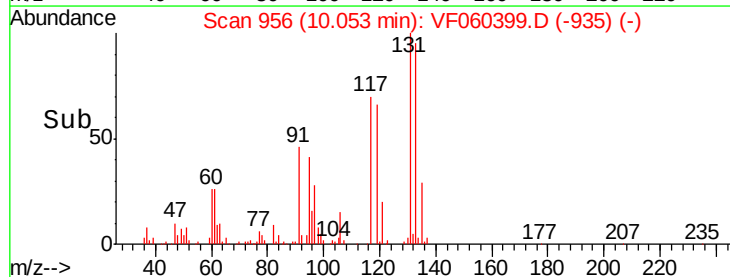
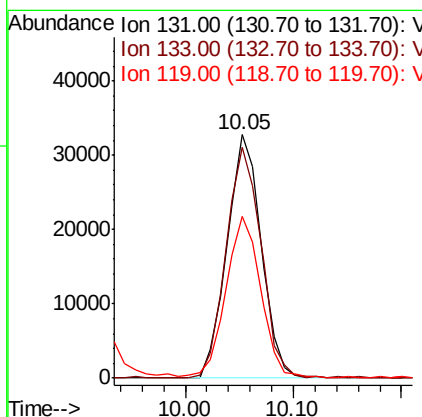
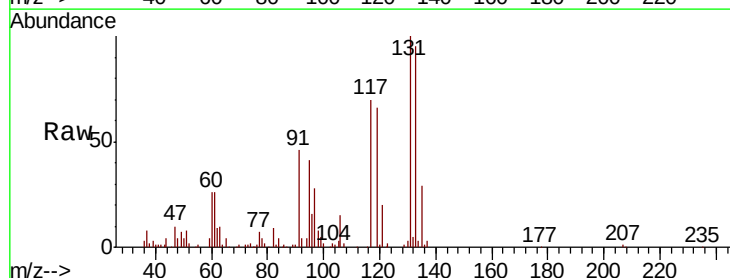
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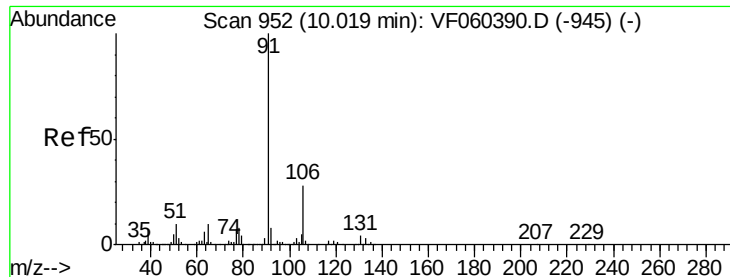
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.645 ug/l
RT: 10.05 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.3	141.8
119	66.2	32.3	96.9





#67

Ethyl Benzene

Concen: 22.203 ug/l

RT: 10.02 min Scan# 953

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 91 Resp: 321733

Ion Ratio Lower Upper

91 100

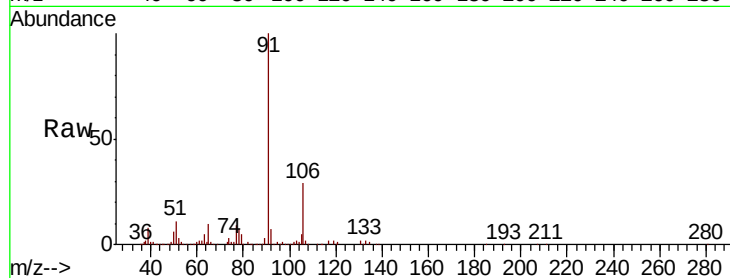
106 28.6 22.5 33.7

Manual Integrations

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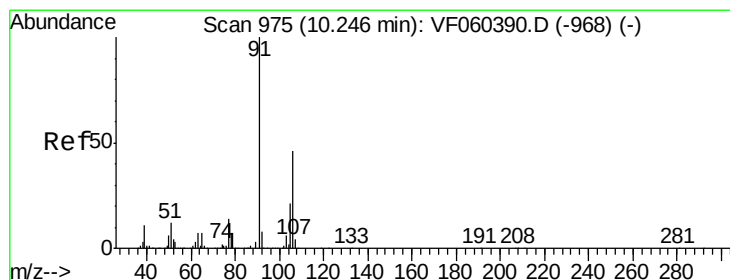
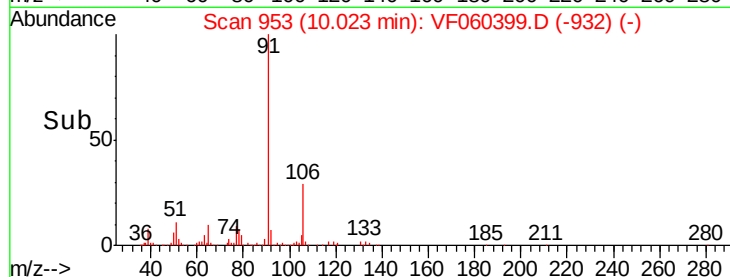
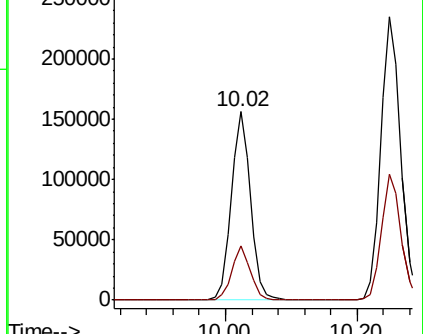
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.066 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.00 min

Lab File: VF060399.D

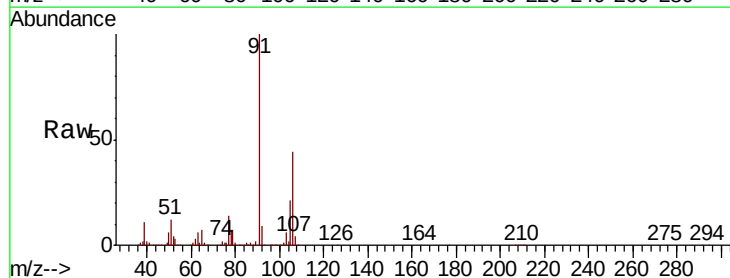
Acq: 2 Oct 2018 13:49

Tgt Ion: 106 Resp: 214526

Ion Ratio Lower Upper

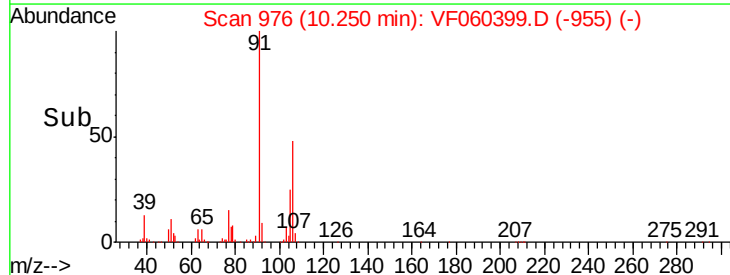
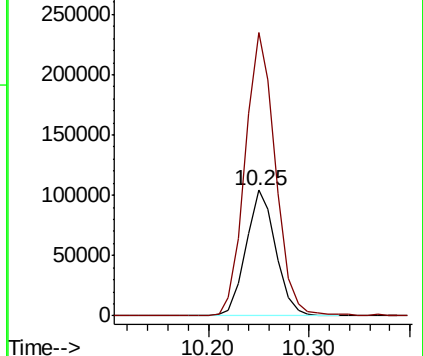
106 100

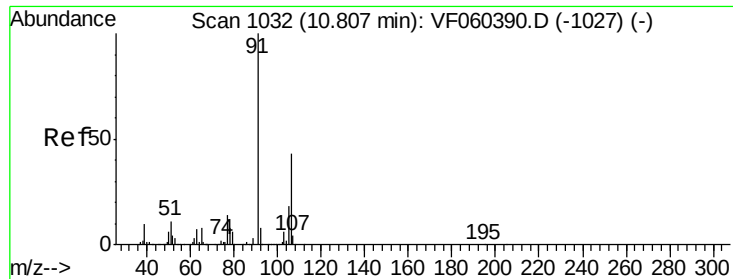
91 225.5 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





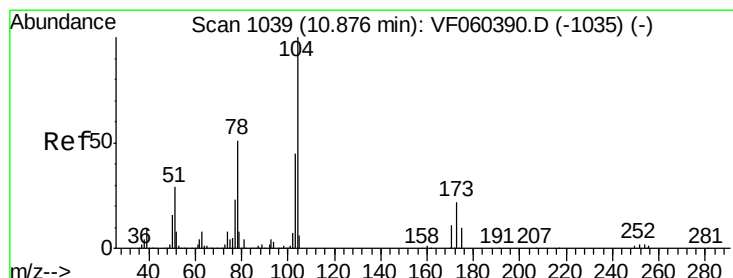
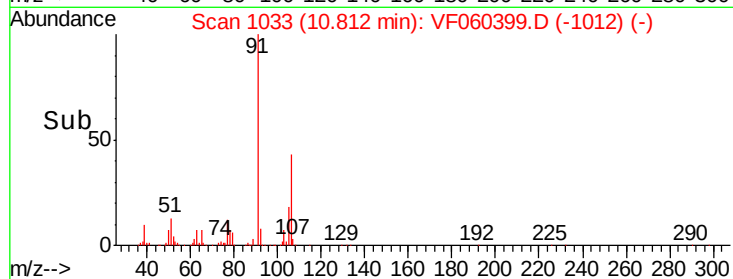
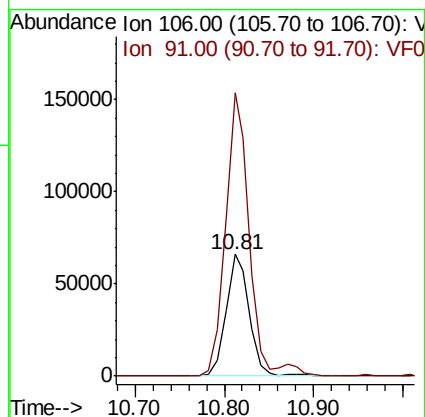
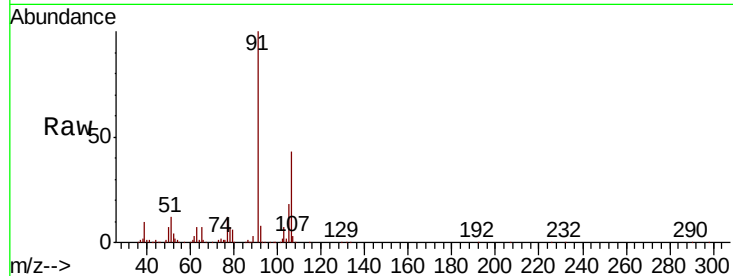
#69
o-Xylene
Concen: 22.441 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion:106 Resp: 121846
Ion Ratio Lower Upper
106 100
91 232.1 115.1 345.2

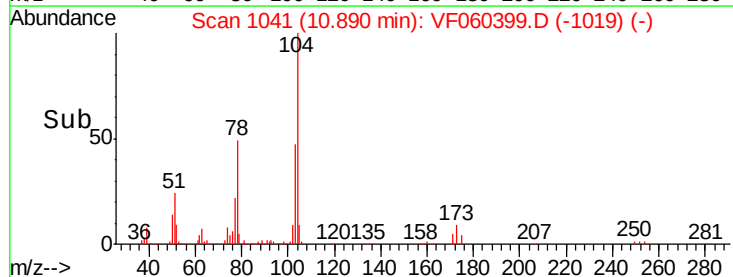
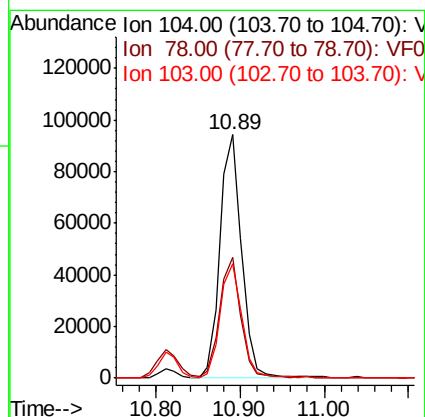
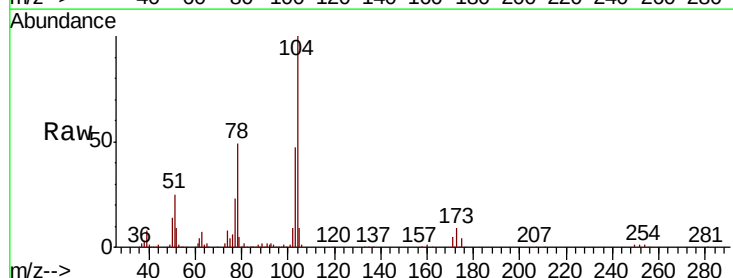
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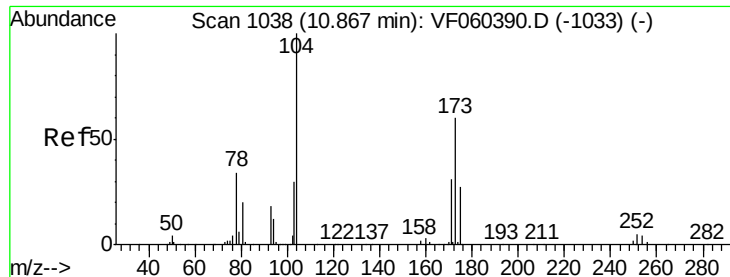
apatel
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#70
Styrene
Concen: 21.769 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion:104 Resp: 168125
Ion Ratio Lower Upper
104 100
78 49.4 41.0 61.4
103 47.1 36.4 54.6





#71

Bromoform

Concen: 19.832 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

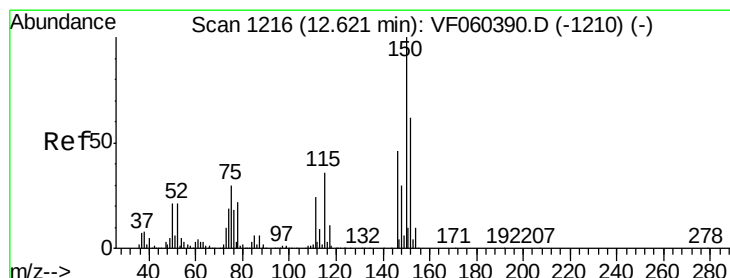
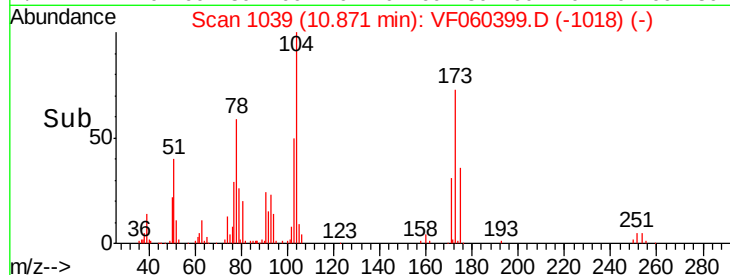
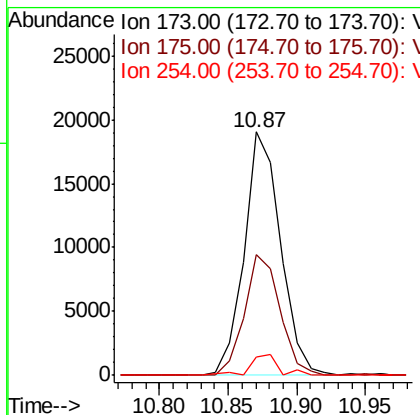
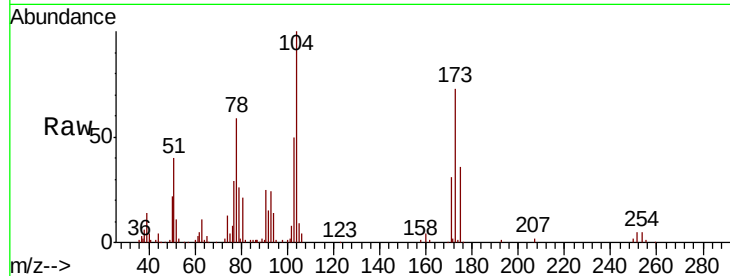
ClientSampleId :

VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	22.1	66.1
254	7.4	0.0	0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

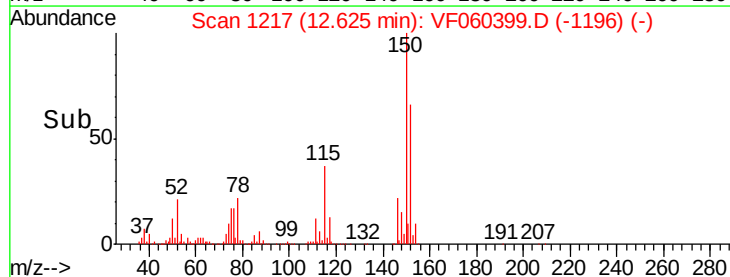
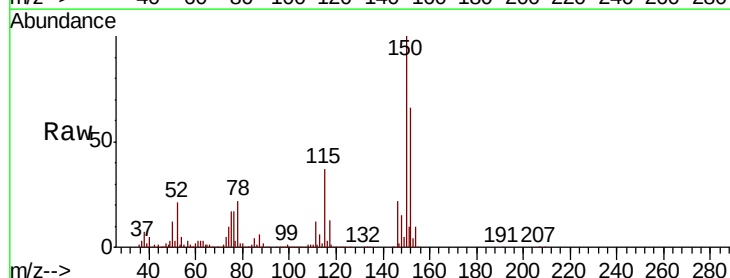
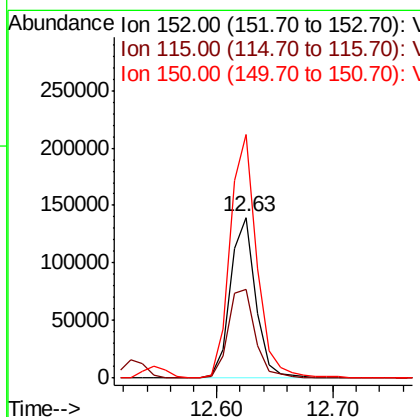
RT: 12.63 min Scan# 1217

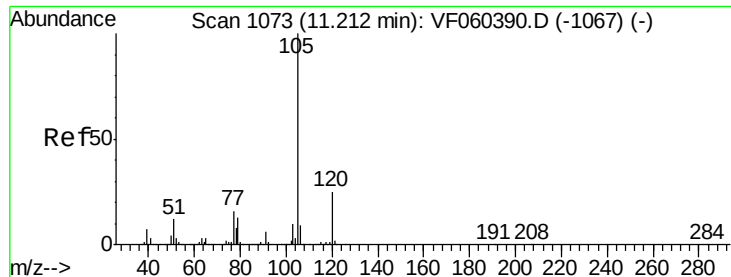
Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.6	85.8
150	151.5	0.0	324.6





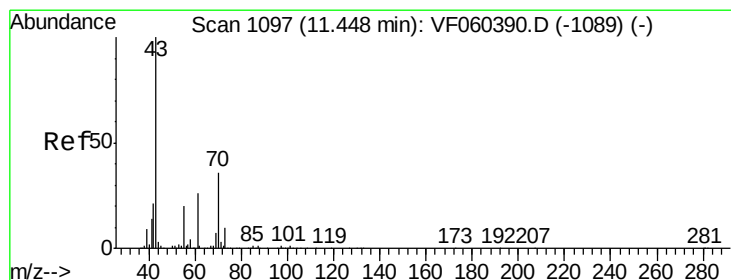
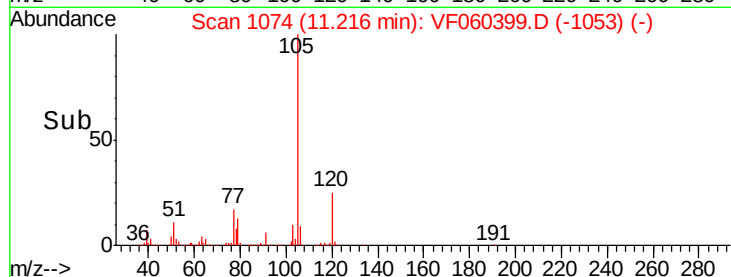
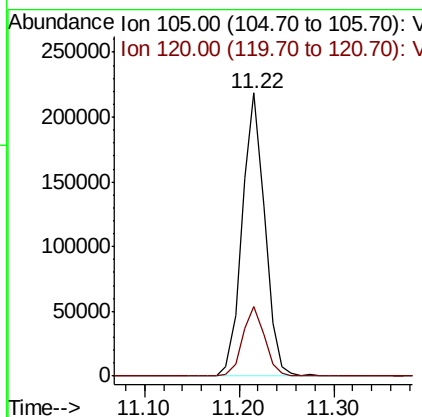
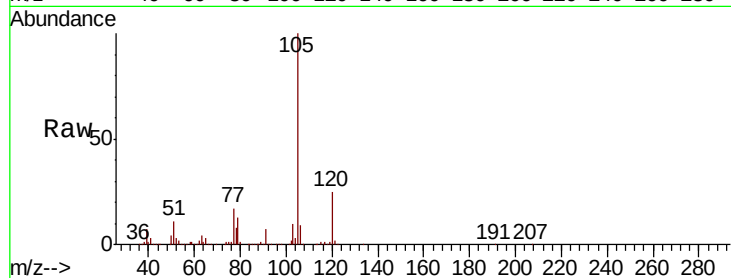
#73
Isopropylbenzene
Concen: 21.809 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.5	12.3	36.9

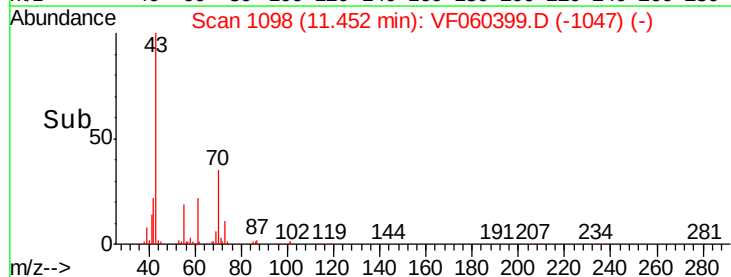
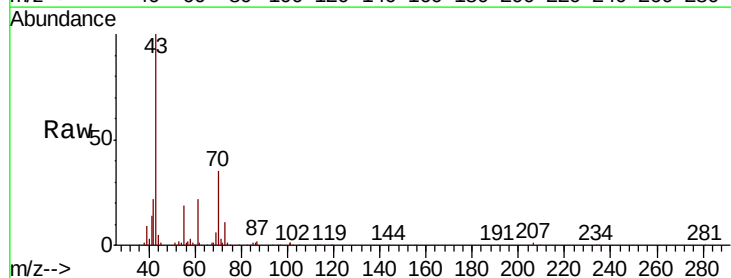
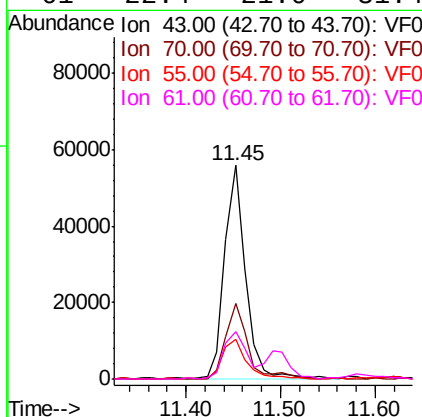
Manual Integrations
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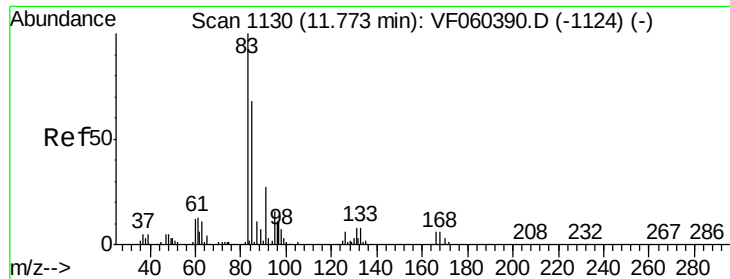
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#74
N-ethyl acetate
Concen: 22.365 ug/l
RT: 11.45 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.3	29.1	43.7
55	18.5	16.3	24.5
61	22.4	21.0	31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.442 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

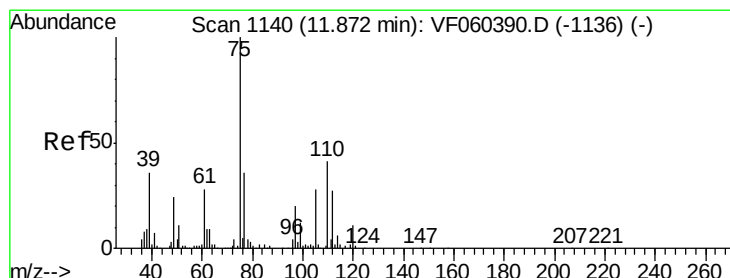
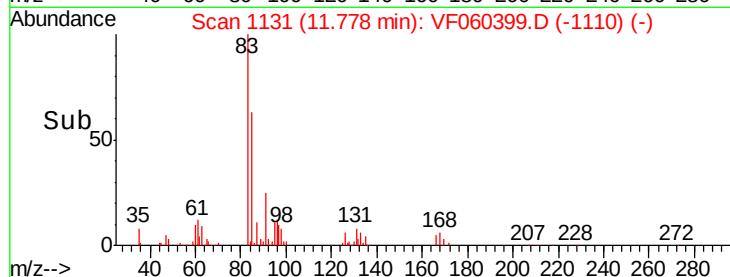
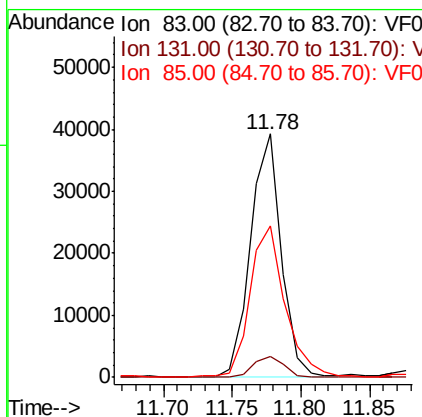
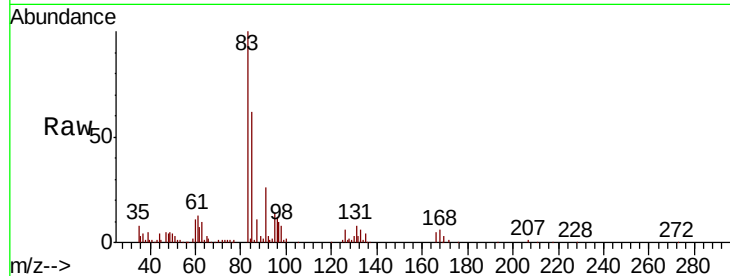
ClientSampleId :

VF1002SBSD01

Tot Ion:	83	Resp:	61700
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.0	12.0
85	62.4	34.0	102.0

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#76

1,2,3-Trichloropropane

Concen: 19.407 ug/l

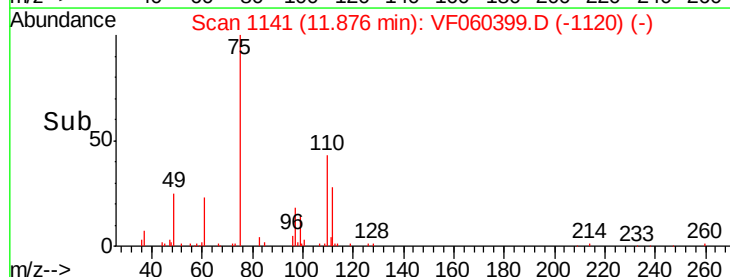
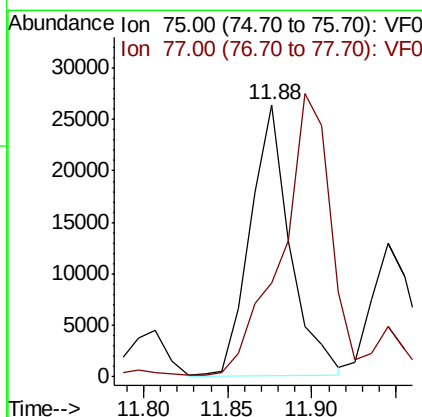
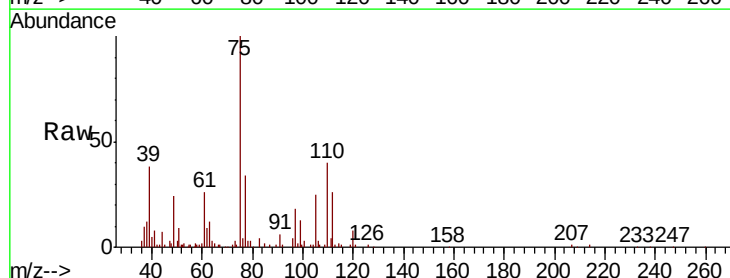
RT: 11.88 min Scan# 1141

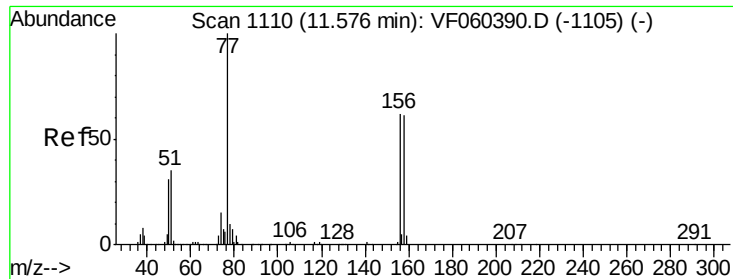
Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:	75	Resp:	43123
Ion Ratio	Lower	Upper	
75	100		
77	34.5	18.1	54.4





#77

Bromobenzene

Concen: 20.450 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

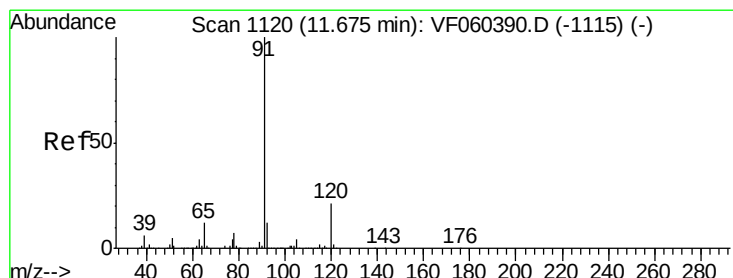
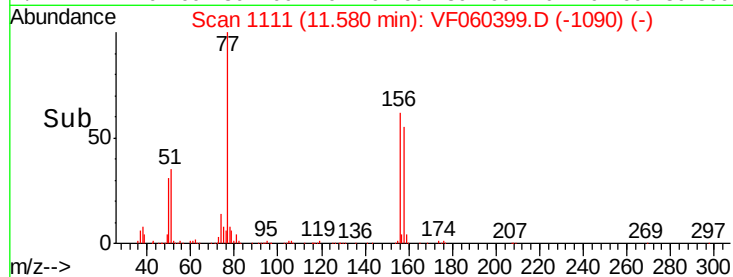
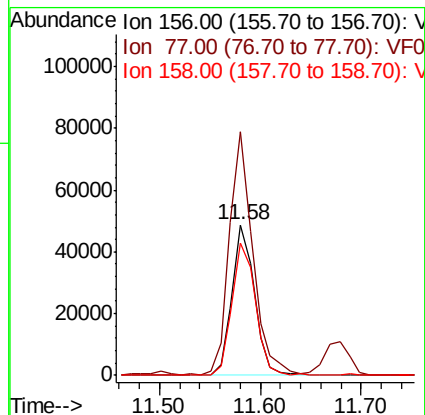
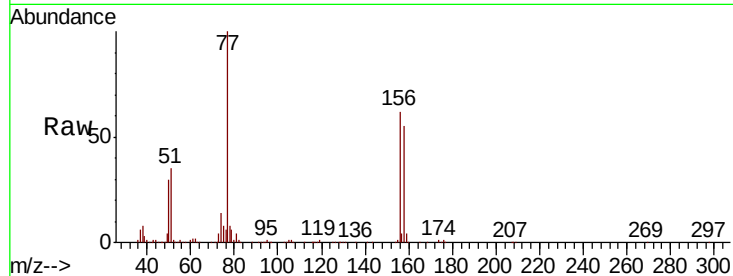
ClientSampleId :

VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.5	81.3	243.9
158	88.1	49.6	149.0

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#78

n-propylbenzene

Concen: 22.134 ug/l

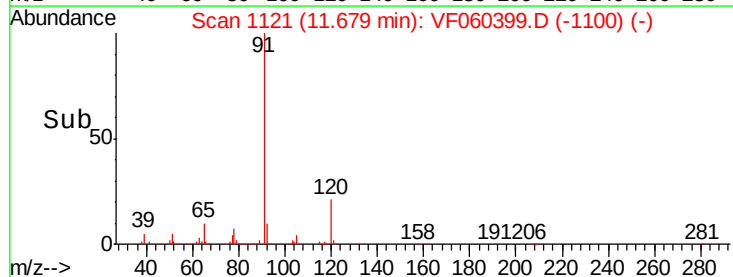
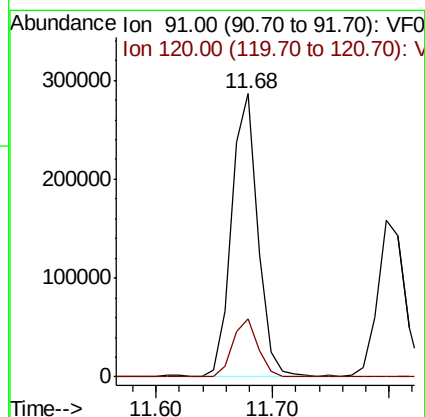
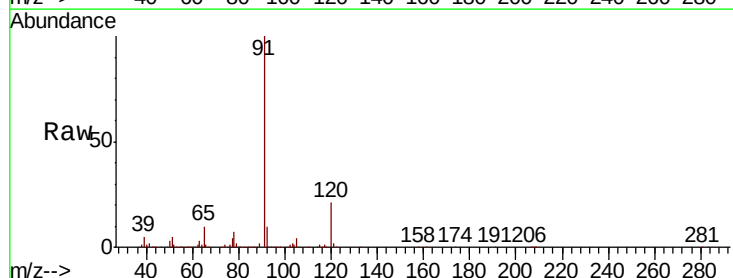
RT: 11.68 min Scan# 1121

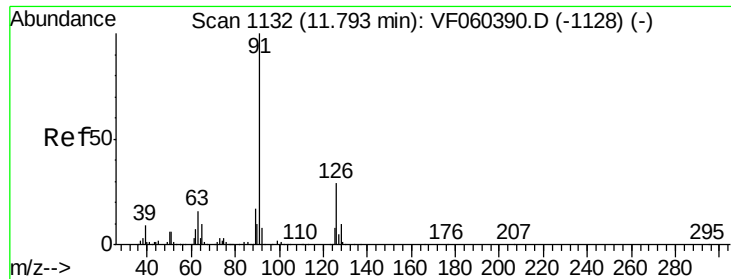
Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.5	31.6





#79

2-Chlorotoluene

Concen: 21.812 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion: 91 Resp: 256070

Ion Ratio Lower Upper

91 100

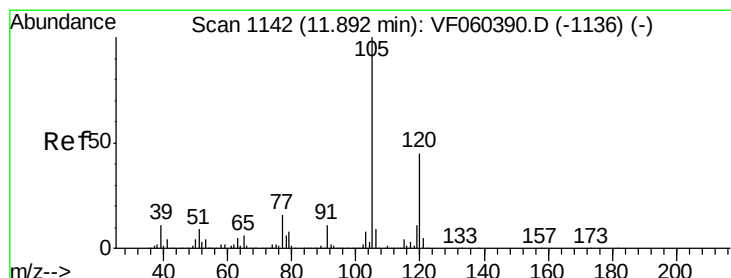
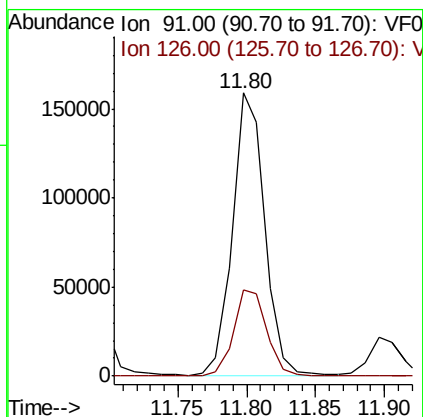
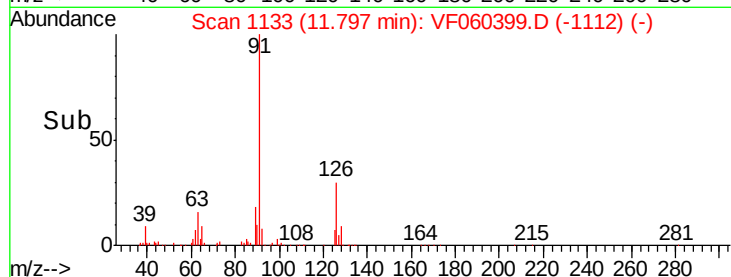
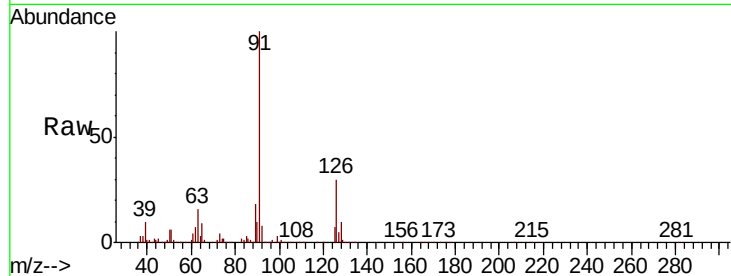
126 30.3 14.4 43.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.007 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF060399.D

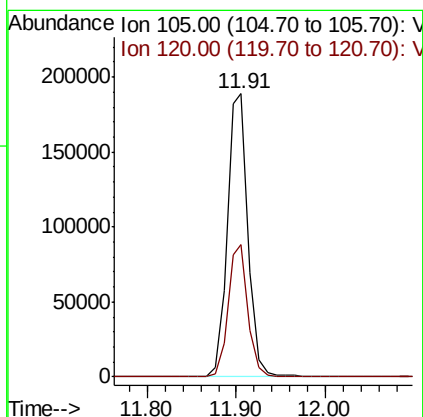
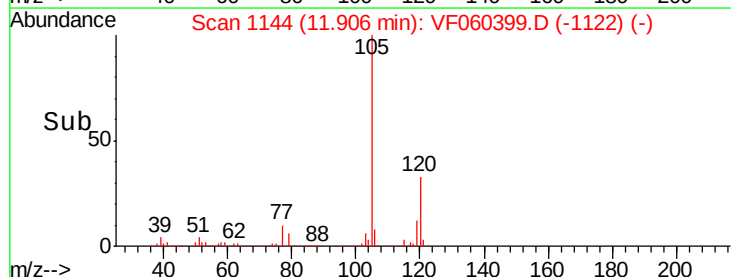
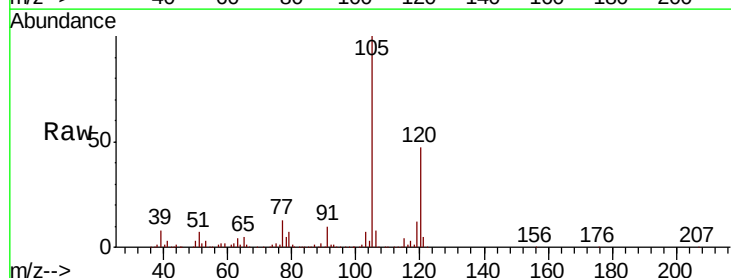
Acq: 2 Oct 2018 13:49

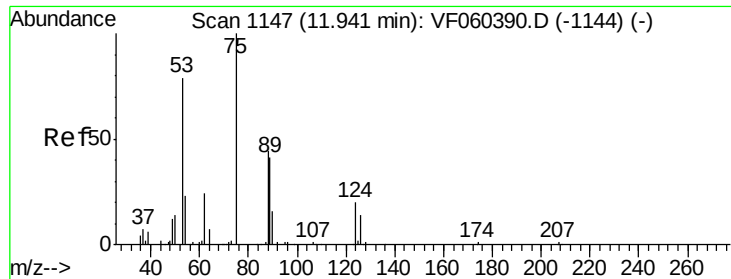
Tgt Ion: 105 Resp: 309534

Ion Ratio Lower Upper

105 100

120 46.7 22.3 66.9





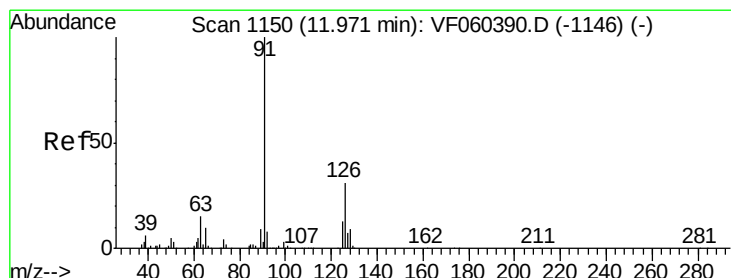
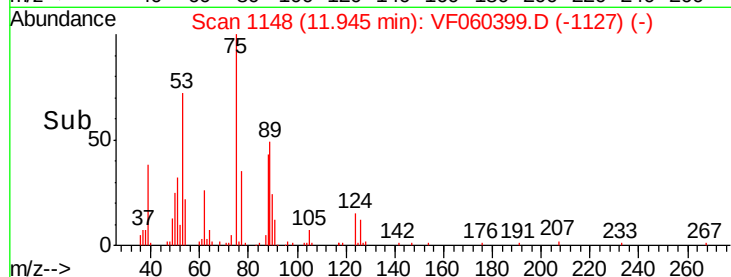
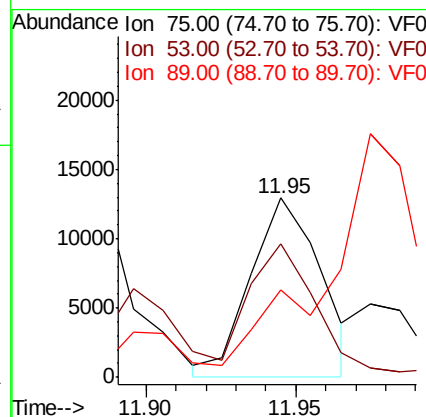
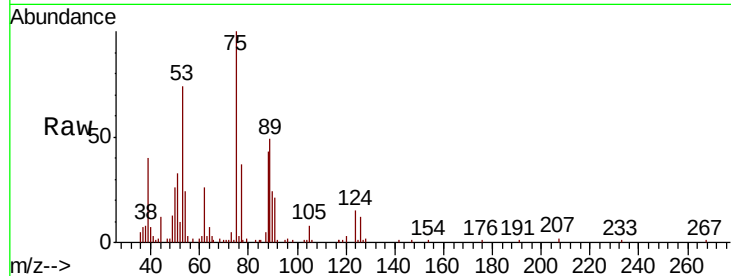
#81
trans-1,4-Dichloro-2-butene
Concen: 21.325 ug/l m
RT: 11.95 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion: 75 Resp: 21005
Ion Ratio Lower Upper
75 100
53 74.2 67.8 101.8
89 49.0 36.7 55.1

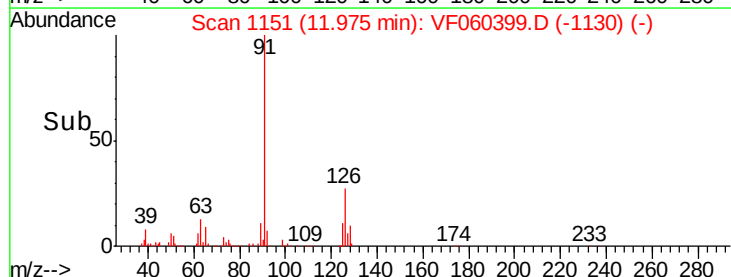
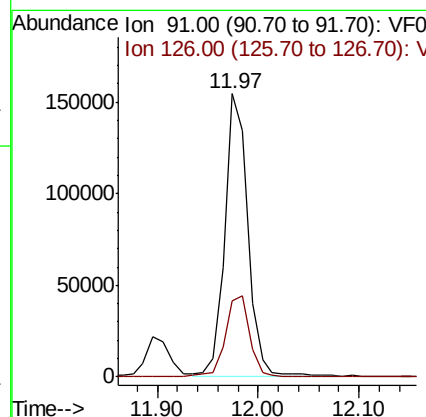
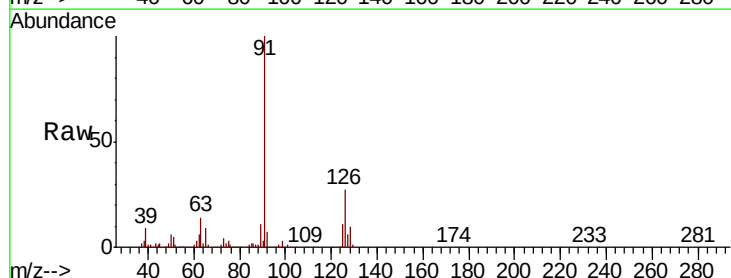
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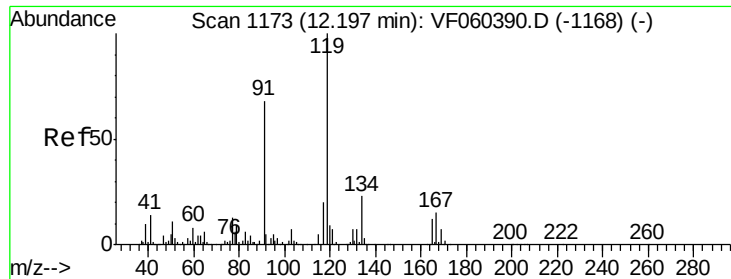
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#82
4-Chlorotoluene
Concen: 20.434 ug/l
RT: 11.97 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion: 91 Resp: 245455
Ion Ratio Lower Upper
91 100
126 26.8 15.7 47.0





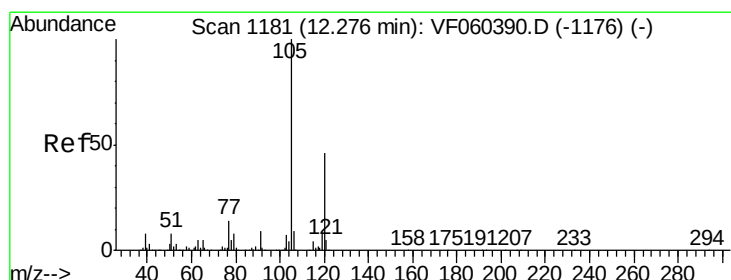
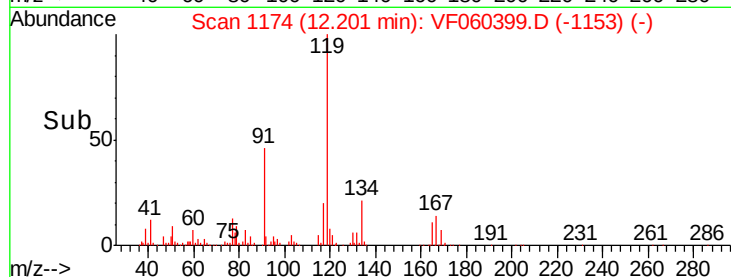
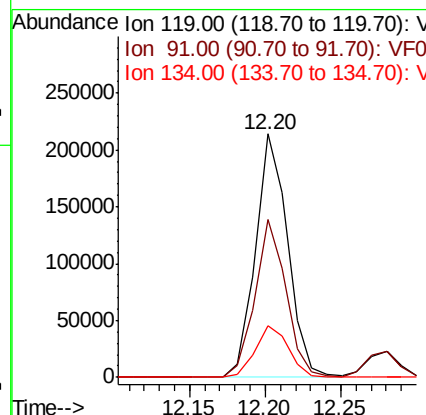
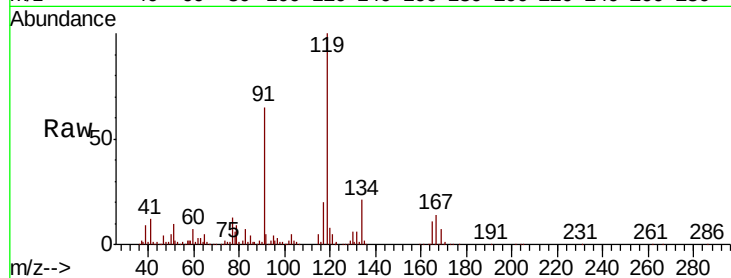
#83
tert-Butylbenzene
Concen: 22.935 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	318173		
91	64.7	34.0	102.0	
134	21.0	11.7	35.0	

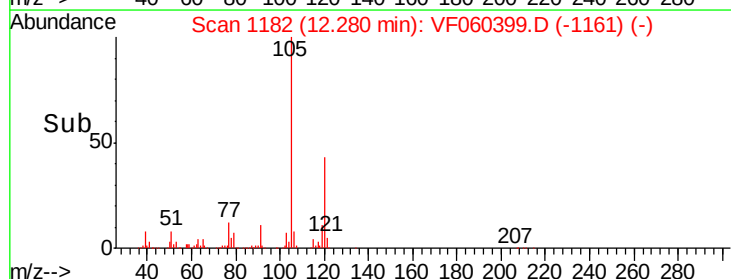
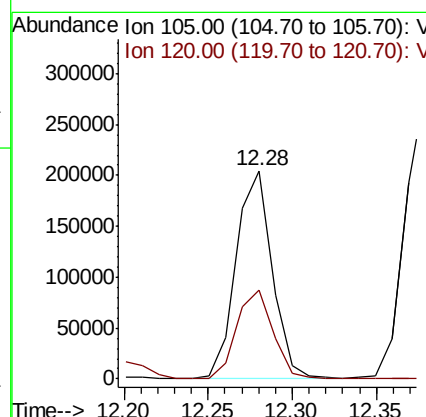
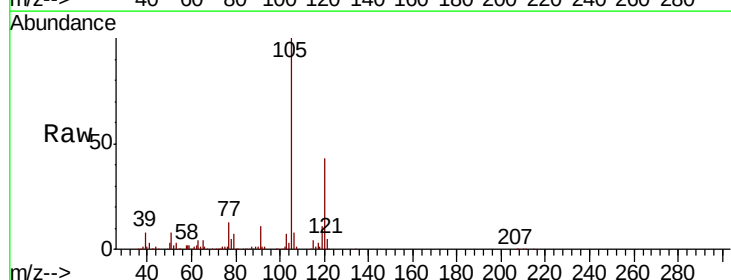
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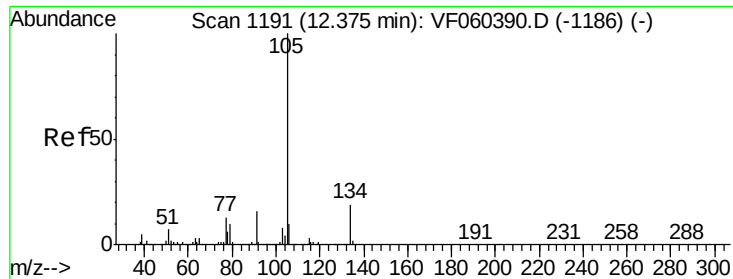
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#84
1,2,4-Trimethylbenzene
Concen: 21.814 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	304279		
120	43.0	23.1	69.2	





#85

sec-Butylbenzene

Concen: 21.230 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

ClientSampleId :

VF1002SBSD01

Tot Ion:105 Resp: 406543

Ion Ratio Lower Upper

105 100

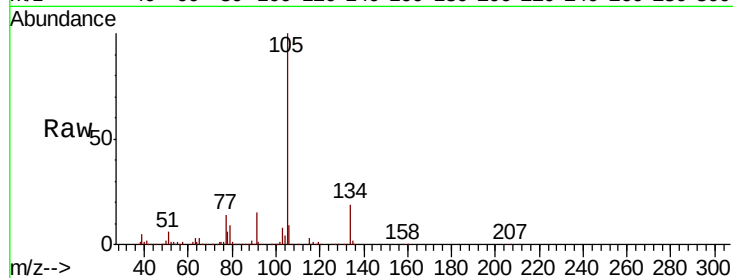
134 18.7 9.4 28.3

Manual Integrations

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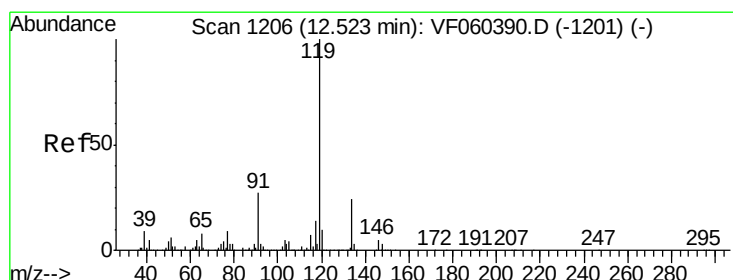
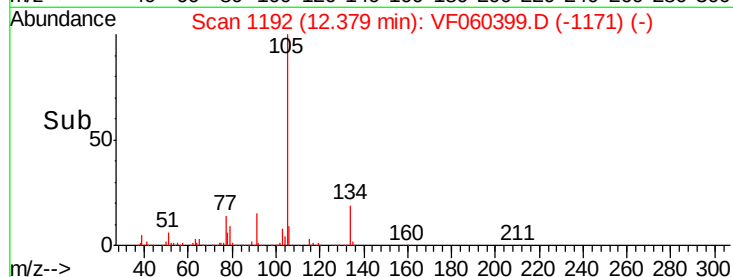
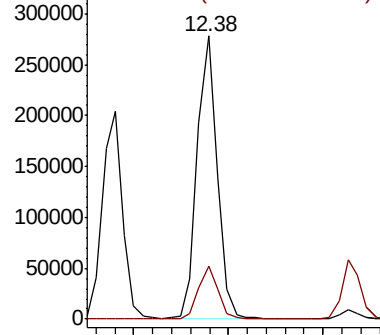
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.068 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

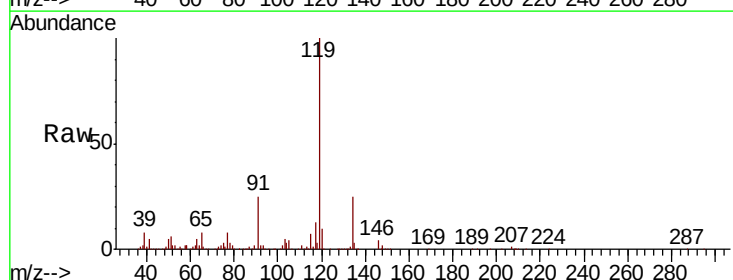
Tgt Ion:119 Resp: 329597

Ion Ratio Lower Upper

119 100

134 24.5 12.3 36.8

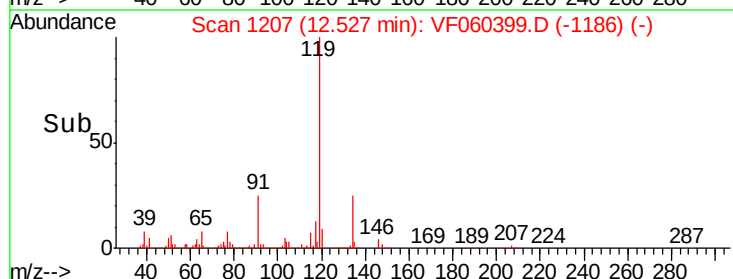
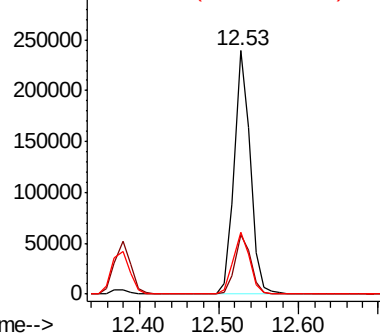
91 25.4 13.5 40.4

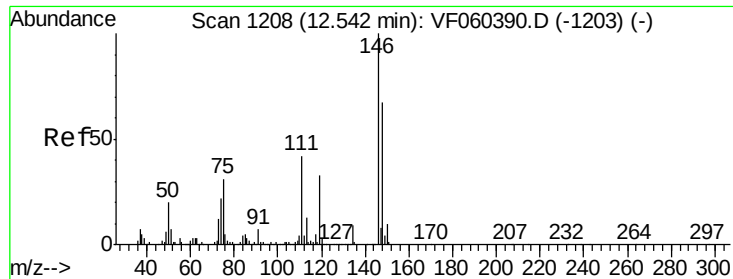


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





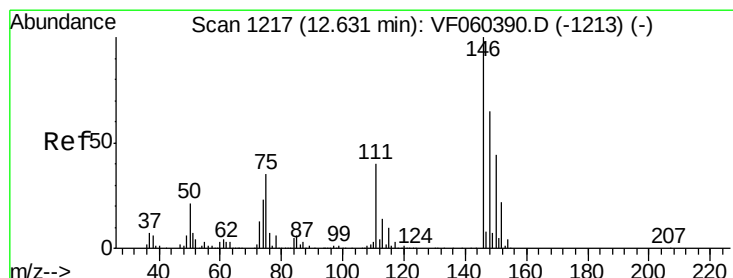
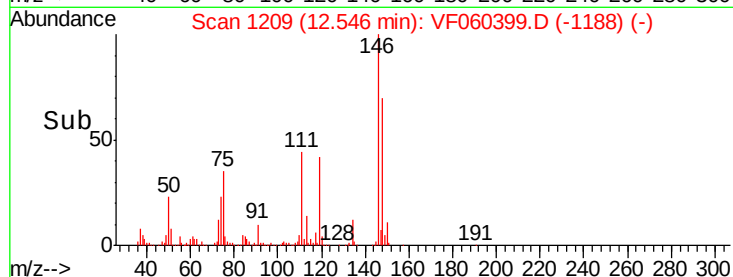
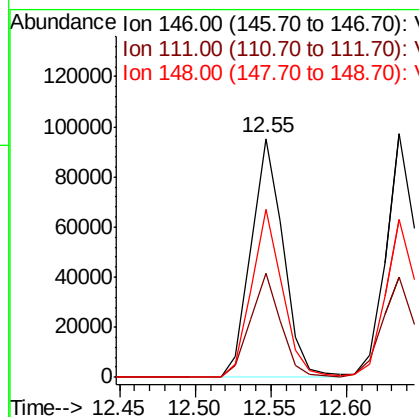
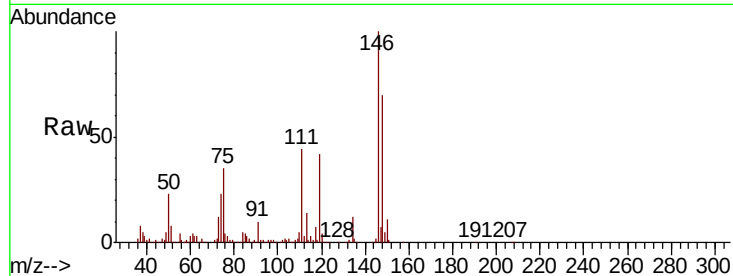
#87
 1,3-Dichlorobenzene
 Concen: 20.385 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.9	62.7
148	70.1	33.6	100.8

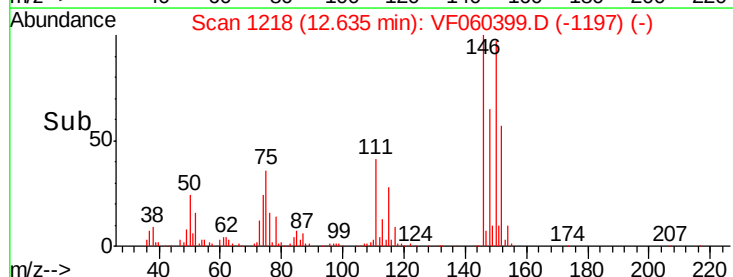
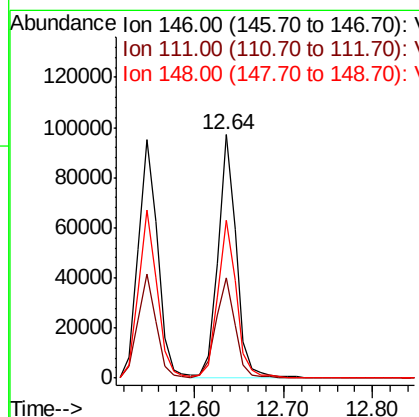
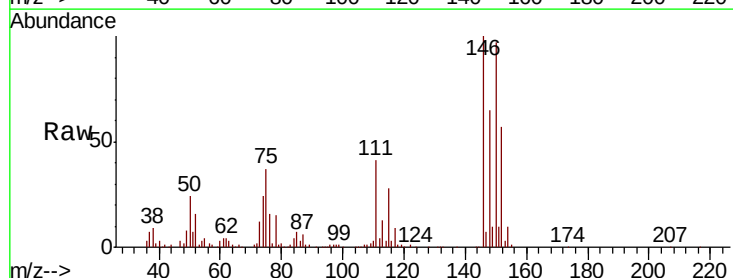
Manual Integrations
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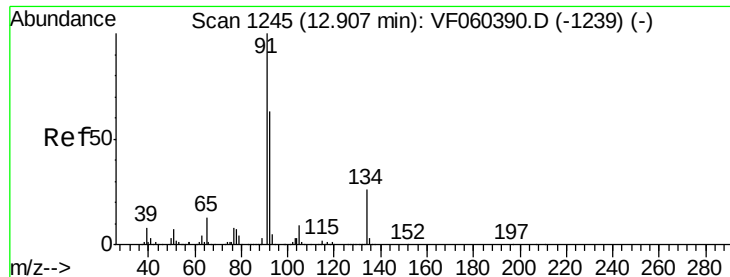
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#88
 1,4-Dichlorobenzene
 Concen: 20.354 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.6
148	64.8	32.6	97.8





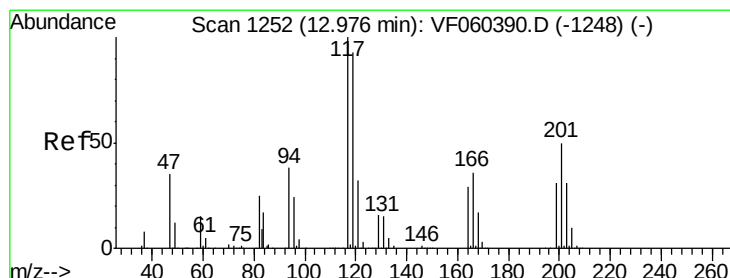
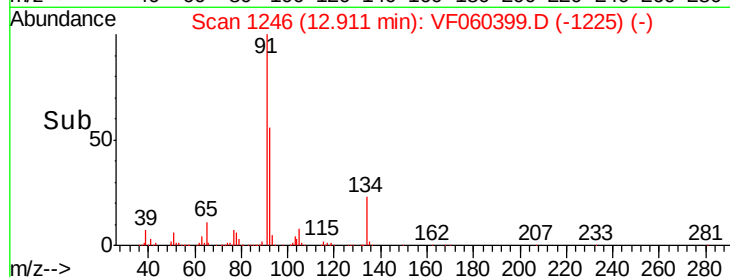
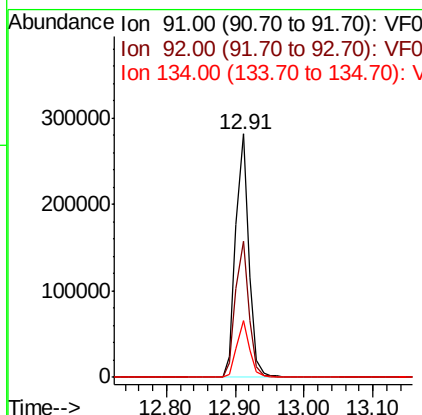
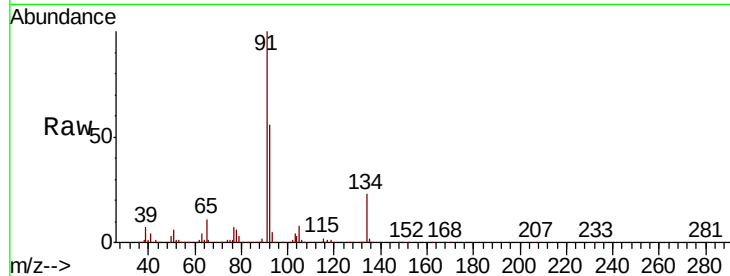
#89
n-Butylbenzene
Concen: 22.527 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.9	31.3	93.9
134	23.3	13.0	38.9

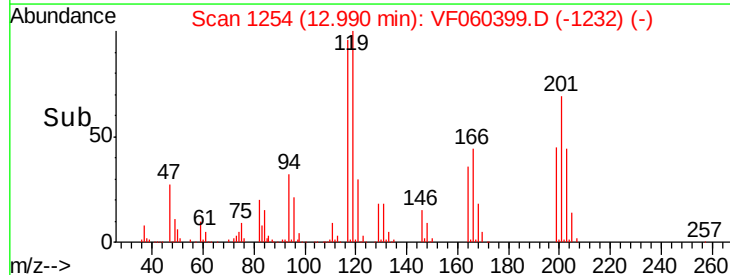
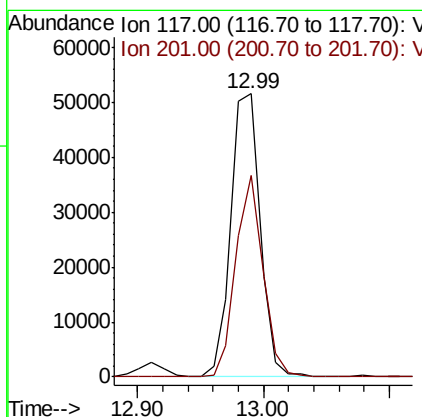
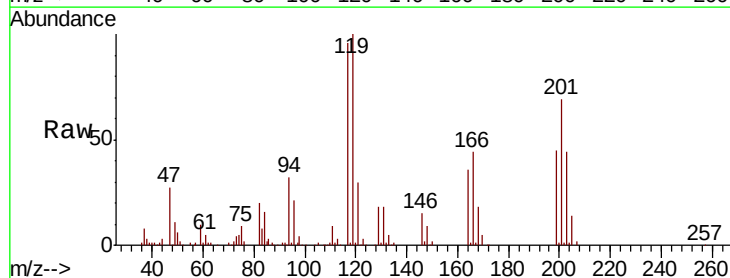
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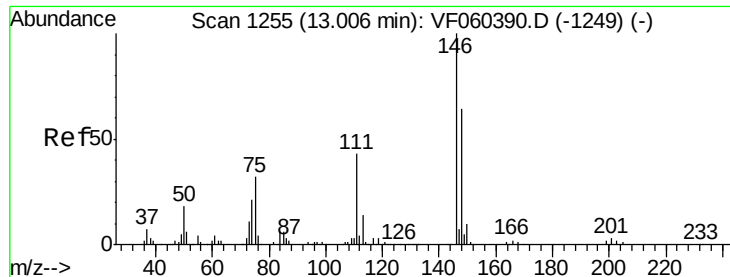
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#90
Hexachloroethane
Concen: 20.549 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.4	25.5	76.5





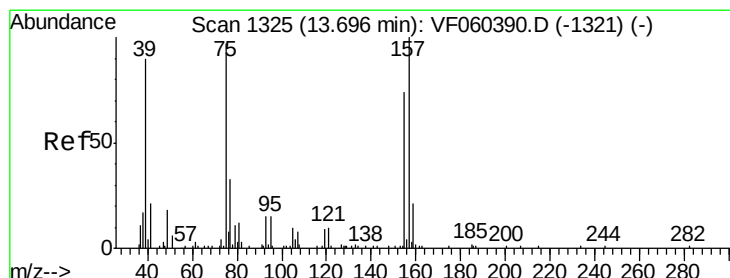
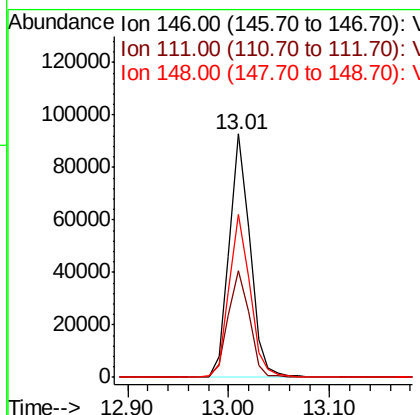
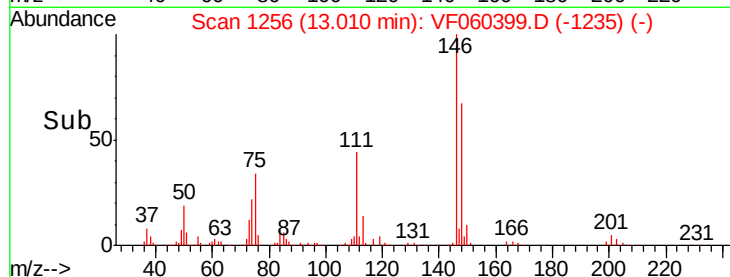
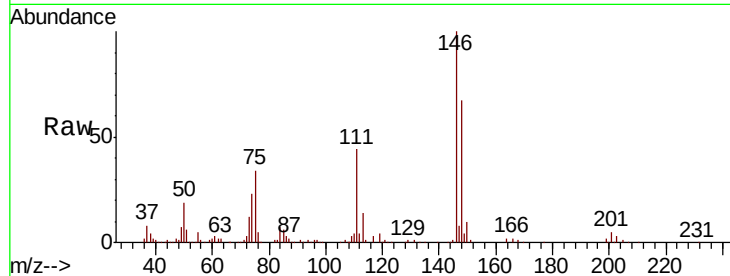
#91
 1,2-Dichlorobenzene
 Concen: 19.985 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1002SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	64.0
148	66.7	32.2	96.6

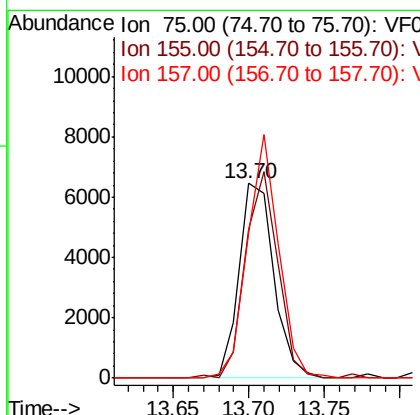
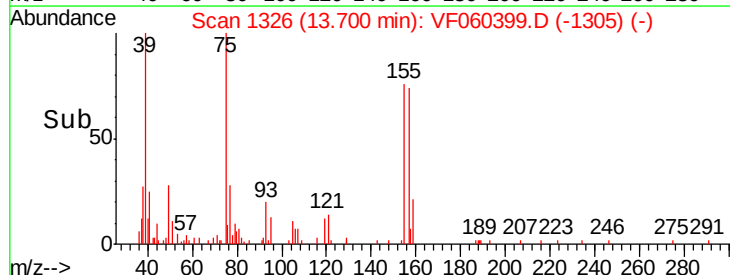
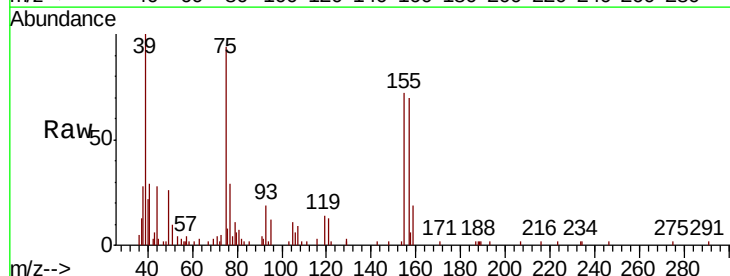
Manual Integrations
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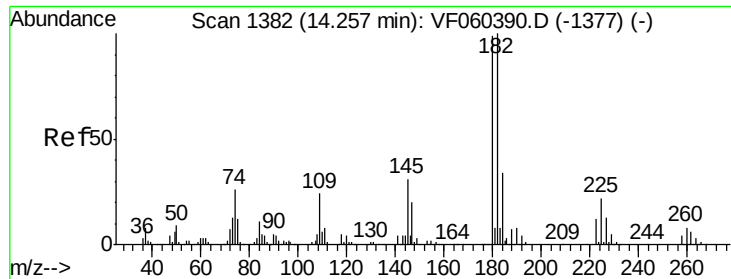
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.742 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VF060399.D
 Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	37.9	113.6
157	81.5	51.3	154.0





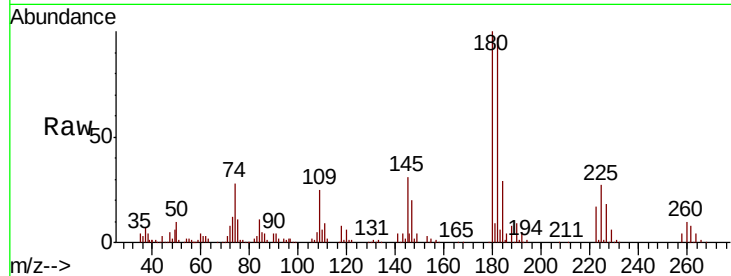
#93
1,2,4-Trichlorobenzene
Concen: 21.075 ug/l
RT: 14.26 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Instrument :
MSVOA_F
ClientSampleId :
VF1002SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105103		
182	97.0	50.3	150.9	
145	31.2	15.5	46.5	

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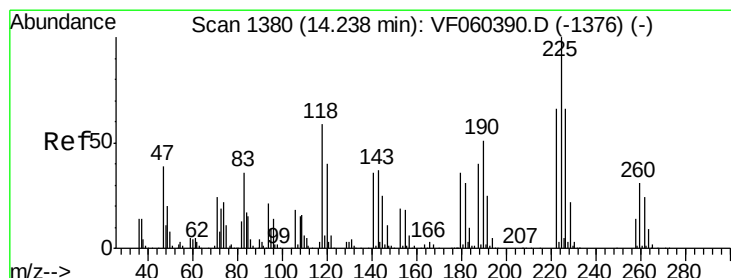
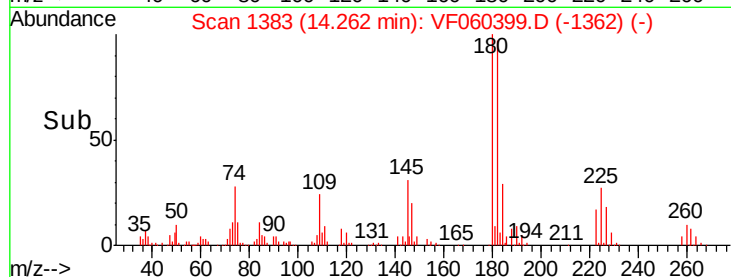
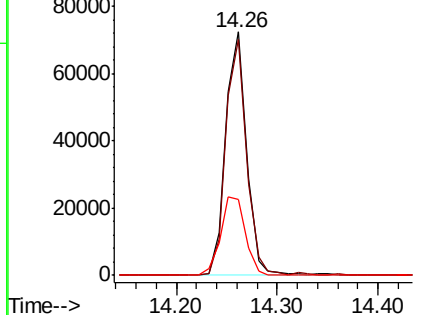


Abundance

Ion 180.00 (179.70 to 180.70): V

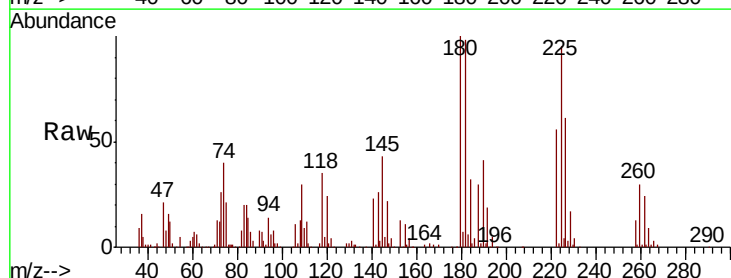
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 21.970 ug/l
RT: 14.25 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VF060399.D
Acq: 2 Oct 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76472		
223	58.7	32.8	98.4	
227	66.9	33.0	99.0	

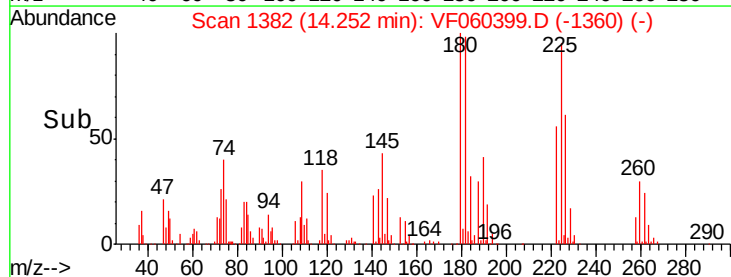
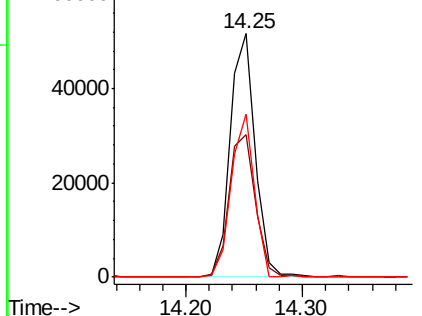


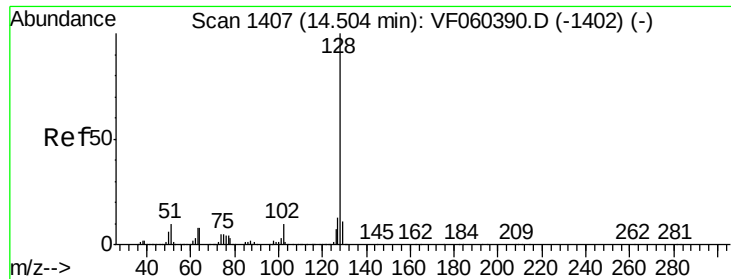
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 21.004 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.01 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Instrument :

MSVOA_F

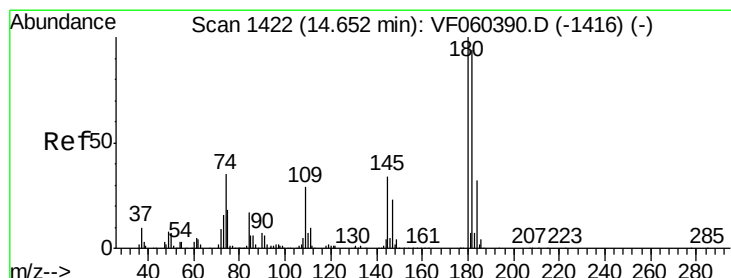
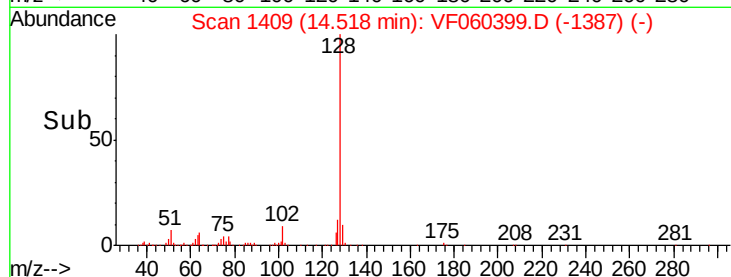
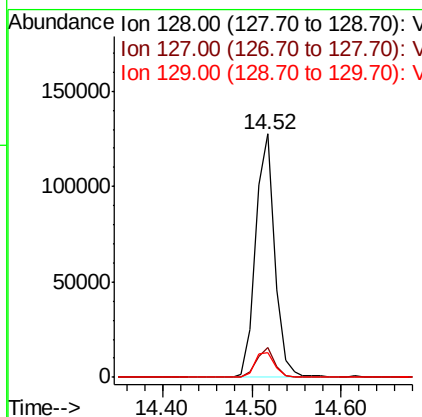
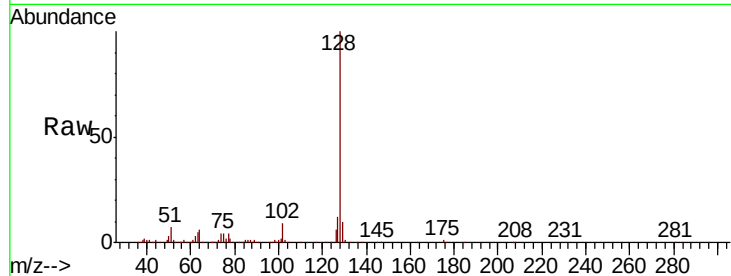
ClientSampleId :

VF1002SBSD01

Tot Ion:	128	Resp:	187285
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.0	15.0
129	10.2	8.7	13.1

Manual Integrations
APPROVED

apatel
10/3/2018 1:02:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.611 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. 0.00 min

Lab File: VF060399.D

Acq: 2 Oct 2018 13:49

Tgt Ion:	180	Resp:	96355
Ion Ratio	Lower	Upper	
180	100		
182	93.8	46.8	140.3
145	38.1	16.9	50.6

