

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
 Data File : VF060419.D
 Acq On : 3 Oct 2018 17:23
 Operator : VA/AP
 Sample : VF1003SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Manual Integrations
 APPROVED

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 10/4/2018 2:05:13 PM

Quant Time: Oct 04 05:43:19 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	5.02	168	292227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	469597	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	424315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	231508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	212528	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	4.27	113	220567	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	7.69	98	547382	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.49	95	251466	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	130432	17.037	ug/l	95
3) Chloromethane	1.12	50	76147	19.189	ug/l	95
4) Vinyl Chloride	1.17	62	78896	19.113	ug/l	99
5) Bromomethane	1.35	94	56122	17.552	ug/l	95
6) Chloroethane	1.43	64	36695	17.813	ug/l	89
7) Trichlorofluoromethane	1.54	101	168410	17.584	ug/l	91
8) Diethyl Ether	1.70	74	21493	16.375	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	87953	19.172	ug/l	93
10) Methyl Iodide	1.96	142	129111	18.455	ug/l	94
11) Tert butyl alcohol	2.68	59	22153	80.094	ug/l #	78
12) 1,1-Dichloroethene	1.85	96	65424	18.457	ug/l	97
13) Acrolein	2.08	56	18208	81.858	ug/l	90
14) Allyl chloride	2.18	41	97547	17.174	ug/l	97
15) Acrylonitrile	3.06	53	43020	90.772	ug/l	92
16) Acetone	2.33	43	113060	106.425	ug/l #	93
17) Carbon Disulfide	1.88	76	203718	18.979	ug/l	96
18) Methyl Acetate	2.45	43	32721	17.898	ug/l #	91
19) Methyl tert-butyl Ether	2.52	73	153550	17.785	ug/l	93
20) Methylene Chloride	2.27	84	71541m	17.856	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	65290	18.443	ug/l	95
22) Diisopropyl ether	2.91	45	205811	19.963	ug/l #	96
23) Vinyl Acetate	3.31	43	395220	96.506	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	135671	19.460	ug/l	99
25) 2-Butanone	4.49	43	116606	98.483	ug/l #	90
26) 2,2-Dichloropropane	3.75	77	75981	19.243	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	77557	19.594	ug/l	96
28) Bromochloromethane	3.87	49	52009	20.242	ug/l	84
29) Tetrahydrofuran	4.24	42	42748	92.964	ug/l	99
30) Chloroform	4.01	83	168666	19.606	ug/l	94
31) Cyclohexane	3.84	56	100012	19.978	ug/l	92
32) 1,1,1-Trichloroethane	4.25	97	138867	19.399	ug/l	99
36) 1,1-Dichloropropene	4.44	75	113957	19.683	ug/l	96
37) Ethyl Acetate	4.28	43	40254	18.156	ug/l #	56
38) Carbon Tetrachloride	4.15	117	133039	18.877	ug/l	98

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 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	5.60	83	123193	21.704	ug/l	95
40) Benzene	4.79	78	253647	22.068	ug/l	96
41) Methacrylonitrile	4.90	41	23429	19.930	ug/l	91
42) 1,2-Dichloroethane	5.10	62	105759	19.287	ug/l	98
43) Isopropyl Acetate	7.10	43	53995	20.152	ug/l #	90
44) Trichloroethene	5.65	130	76884	20.847	ug/l	98
45) 1,2-Dichloropropane	6.38	63	64850	21.187	ug/l	97
46) Dibromomethane	6.23	93	47505	19.303	ug/l	93
47) Bromodichloromethane	6.53	83	120225	19.725	ug/l	99
48) Methyl methacrylate	6.85	41	31896	16.584	ug/l #	87
49) 1,4-Dioxane	6.84	88	7039	424.462	ug/l	91
51) 4-Methyl-2-Pentanone	8.39	43	193129	101.259	ug/l	99
52) Toluene	7.76	92	159550	20.437	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	97745	20.463	ug/l	95
54) cis-1,3-Dichloropropene	7.43	75	123994	22.211	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	50518	20.415	ug/l #	91
56) Ethyl methacrylate	8.74	69	56504	20.095	ug/l	88
57) 1,3-Dichloropropane	8.98	76	87319	20.858	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	27442	95.543	ug/l	100
59) 2-Hexanone	9.61	43	135188	96.634	ug/l	100
60) Dibromochloromethane	8.84	129	68029	18.259	ug/l	95
61) 1,2-Dibromoethane	9.12	107	54730	20.213	ug/l	96
64) Tetrachloroethene	8.28	164	68404	20.280	ug/l	94
65) Chlorobenzene	9.92	112	183077	21.004	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.05	131	79006	20.759	ug/l	93
67) Ethyl Benzene	10.03	91	352931	21.296	ug/l	97
68) m/p-Xylenes	10.25	106	242353	42.539	ug/l	99
69) o-Xylene	10.81	106	135804	21.868	ug/l	100
70) Styrene	10.88	104	194419	22.010	ug/l	96
71) Bromoform	10.87	173	41199	20.333	ug/l #	98
73) Isopropylbenzene	11.22	105	419306	23.003	ug/l	98
74) N-amyl acetate	11.46	43	74317	17.764	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	71433	21.495	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	52620	21.507	ug/l	95
77) Bromobenzene	11.58	156	82711	20.299	ug/l	94
78) n-propylbenzene	11.67	91	484514	21.926	ug/l	93
79) 2-Chlorotoluene	11.80	91	283220	21.910	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	352038	22.731	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	23165m	21.359	ug/l	
82) 4-Chlorotoluene	11.98	91	285194	21.563	ug/l	100
83) tert-Butylbenzene	12.20	119	335793	21.983	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	332488	21.648	ug/l	94
85) sec-Butylbenzene	12.38	105	472626	22.416	ug/l	100
86) p-Isopropyltoluene	12.53	119	367141	21.314	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	165183	21.543	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	152337	20.148	ug/l	97
89) n-Butylbenzene	12.90	91	393151	21.569	ug/l	89
90) Hexachloroethane	12.98	117	87013	19.544	ug/l	82
91) 1,2-Dichlorobenzene	13.01	146	148658	20.235	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	12637	19.615	ug/l	84

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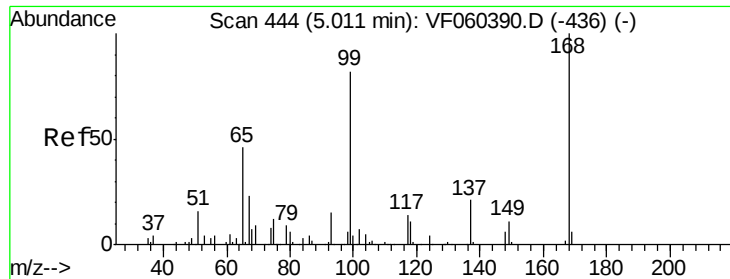
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	116096	21.142	ug/l	97
94) Hexachlorobutadiene	14.24	225	78841	20.572	ug/l	92
95) Naphthalene	14.51	128	182675	18.606	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	107615	20.907	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion:168 Resp: 292227

Ion Ratio Lower Upper

168 100

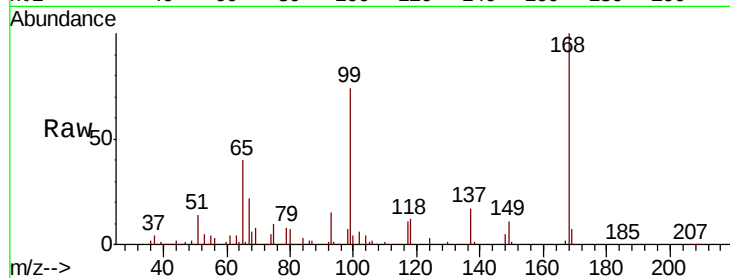
99 73.8 65.3 97.9

Manual Integrations

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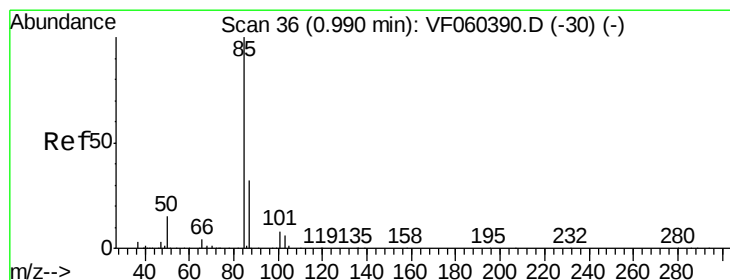
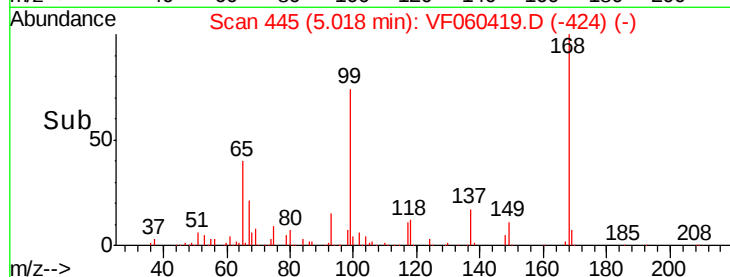
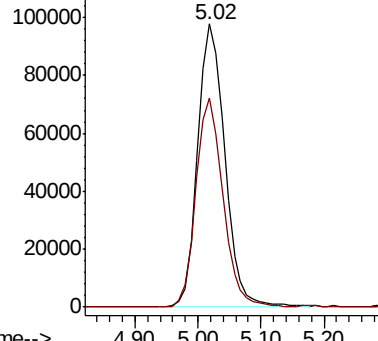
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 17.037 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060419.D

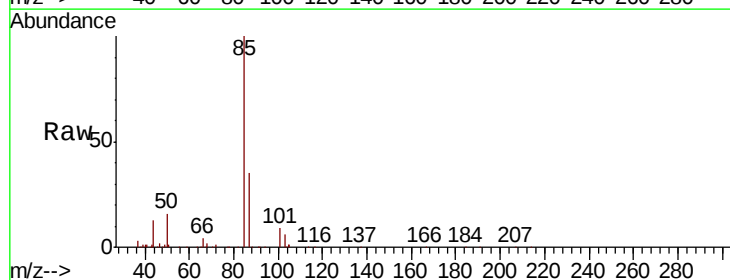
Acq: 3 Oct 2018 17:23

Tgt Ion: 85 Resp: 130432

Ion Ratio Lower Upper

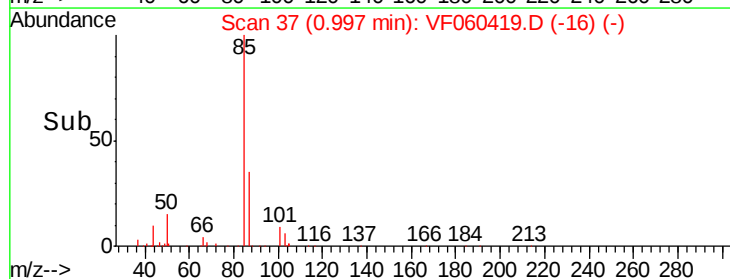
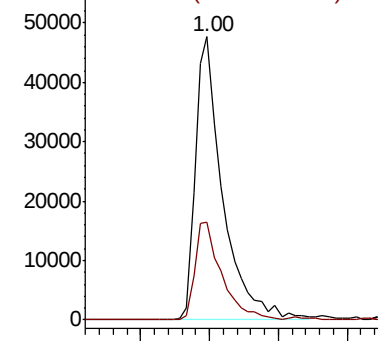
85 100

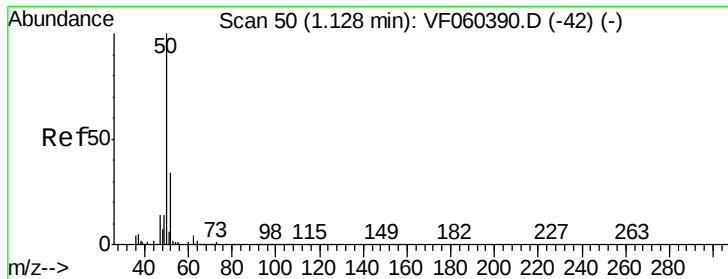
87 34.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 19.189 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 50 Resp: 76147

Ion Ratio Lower Upper

50 100

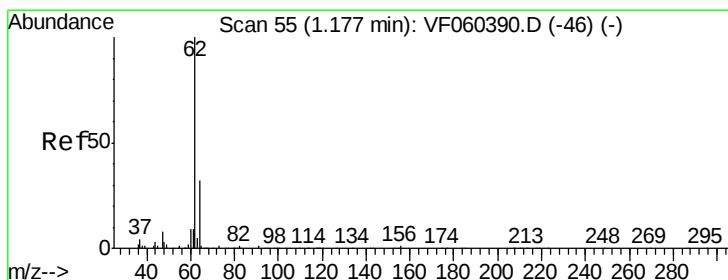
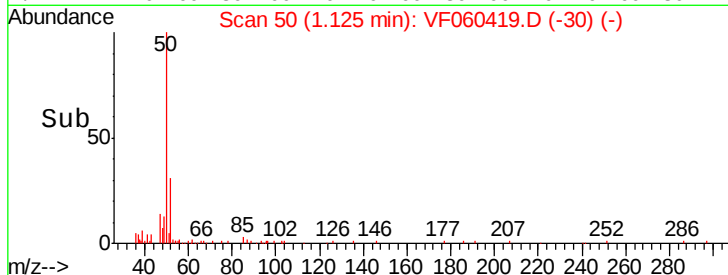
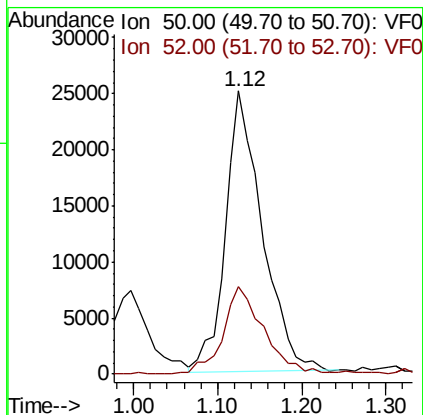
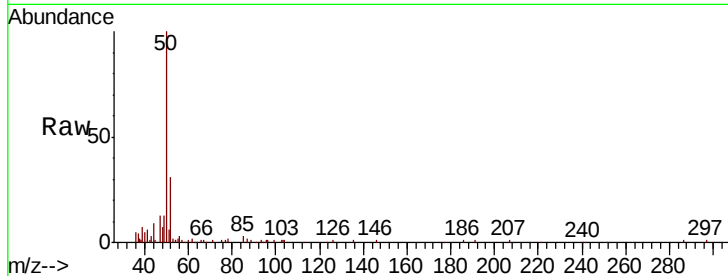
52 30.8 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.113 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060419.D

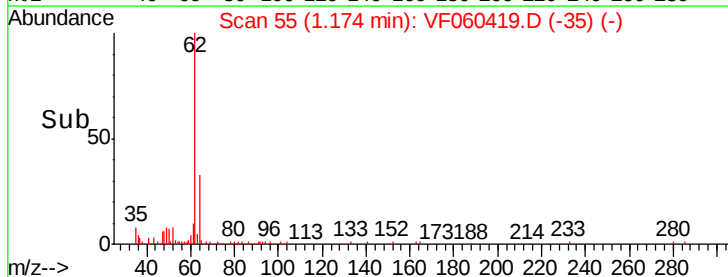
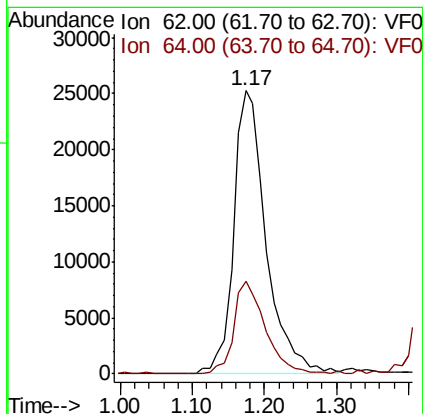
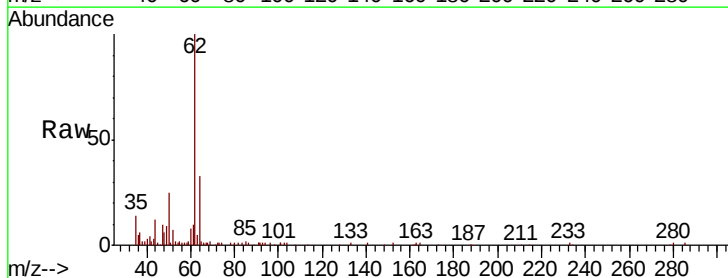
Acq: 3 Oct 2018 17:23

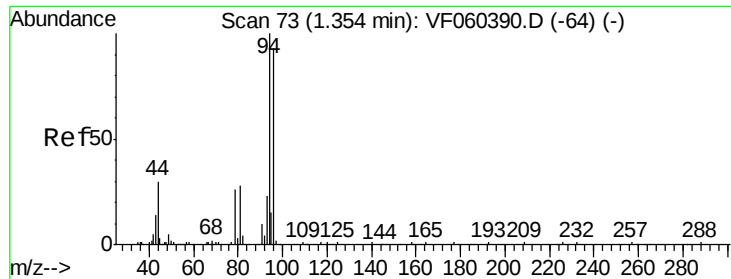
Tgt Ion: 62 Resp: 78896

Ion Ratio Lower Upper

62 100

64 32.9 25.8 38.6





#5

Bromomethane

Concen: 17.552 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 94 Resp: 56122

Ion Ratio Lower Upper

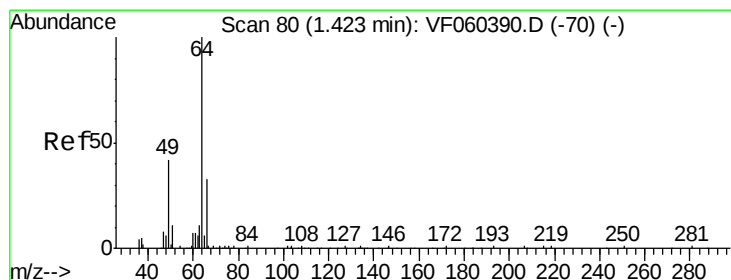
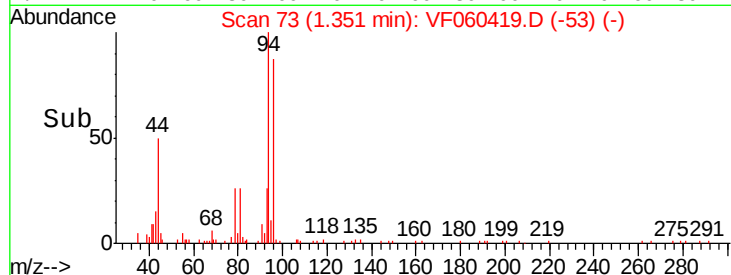
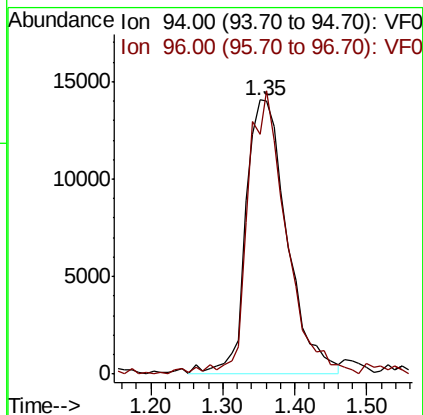
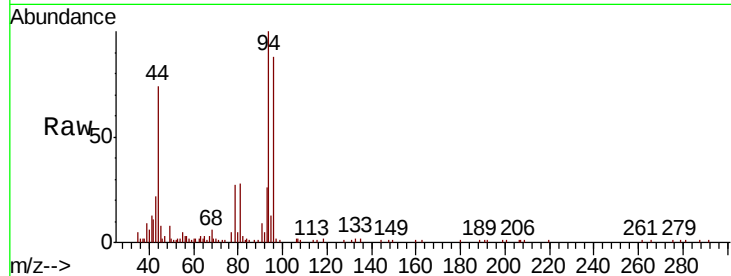
94 100

96 87.7 74.3 111.5

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#6

Chloroethane

Concen: 17.813 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060419.D

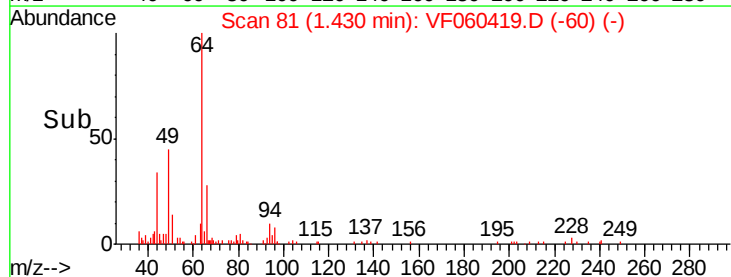
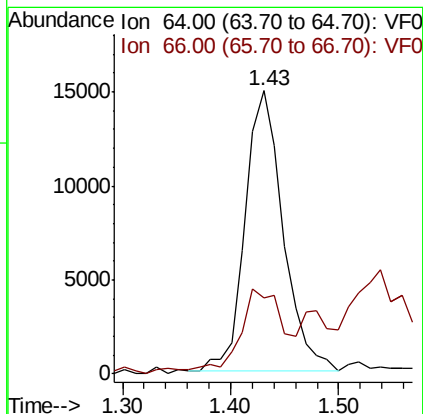
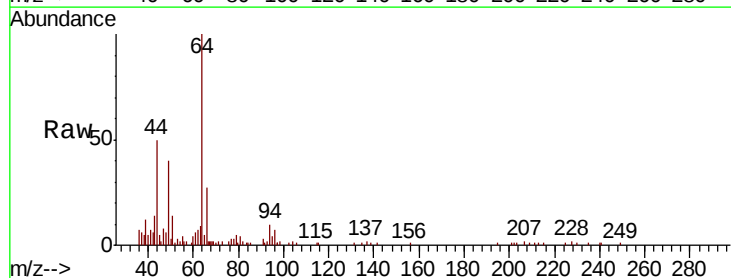
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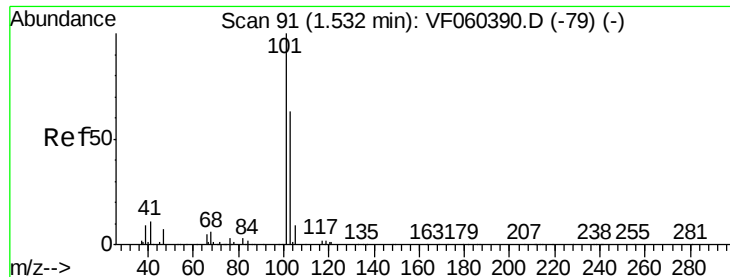
Tgt Ion: 64 Resp: 36695

Ion Ratio Lower Upper

64 100

66 26.7 26.3 39.5





#7

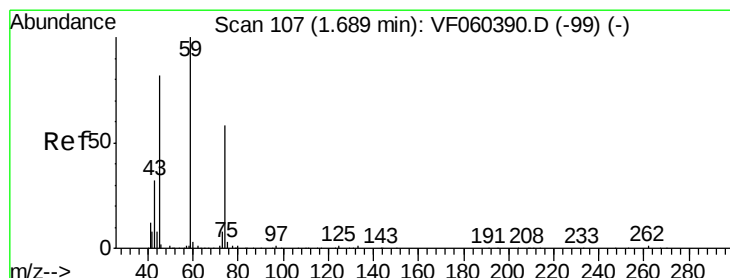
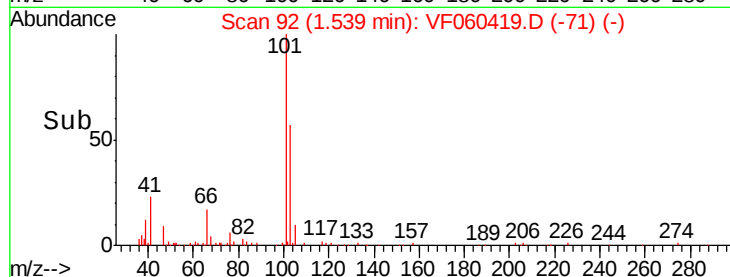
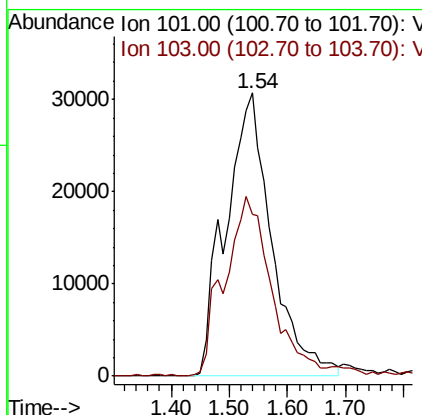
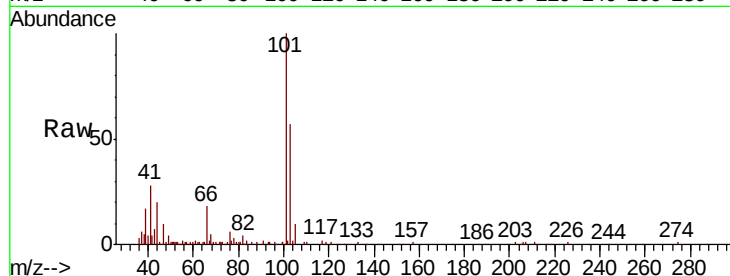
Trichlorofluoromethane
Concen: 17.584 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

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VF1003SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.0	51.0	76.4

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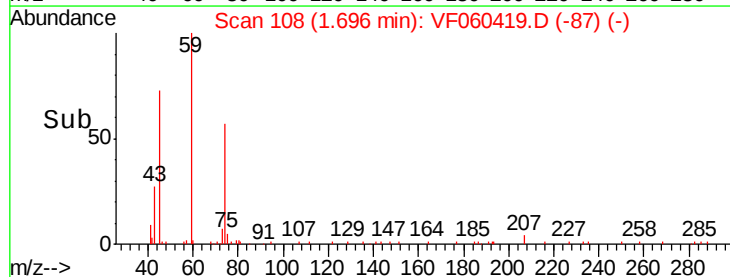
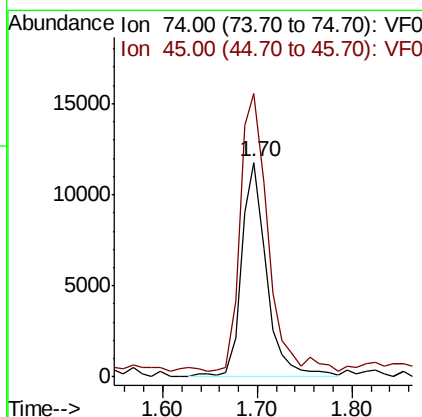
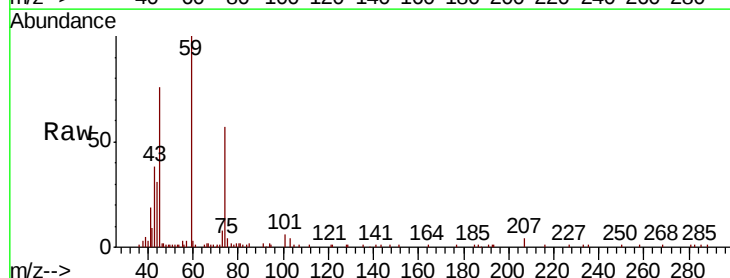
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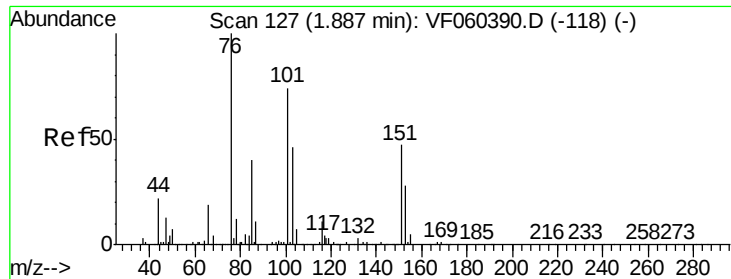


#8

Diethyl Ether
Concen: 16.375 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.1	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.172 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

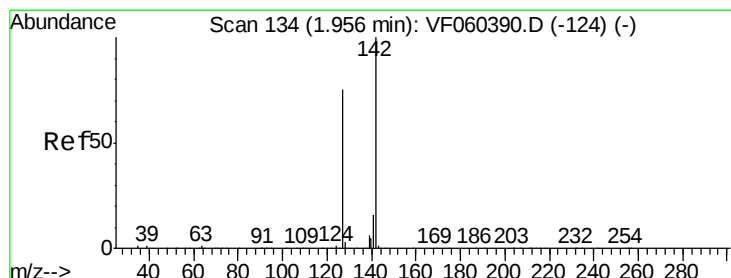
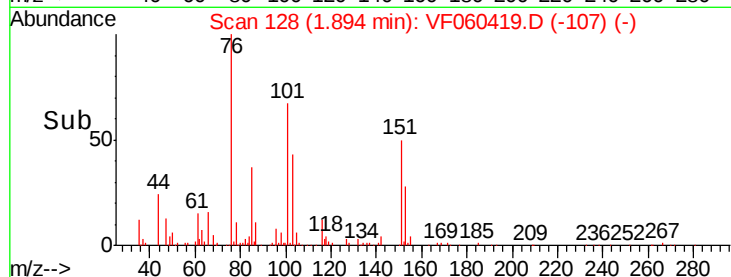
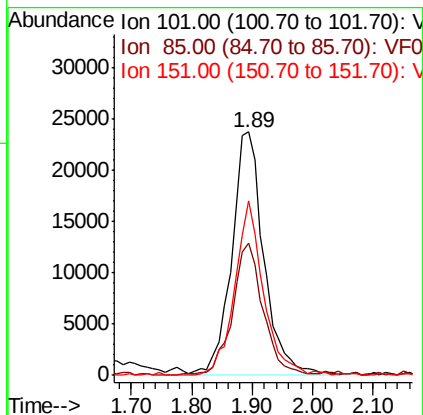
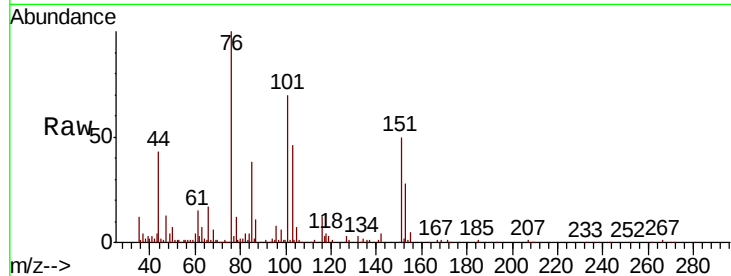
ClientSampleId :

VF1003SBS01

Tot Ion:	101	Resp:	87953
Ion Ratio	Lower	Upper	
101	100		
85	54.2	42.5	63.7
151	71.4	49.8	74.8

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#10

Methyl Iodide

Concen: 18.455 ug/l

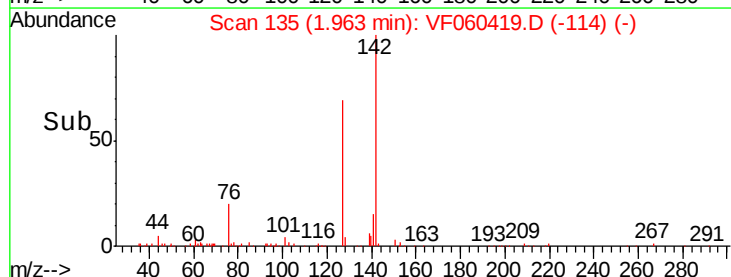
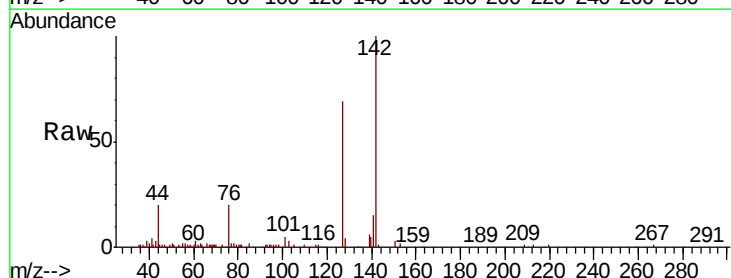
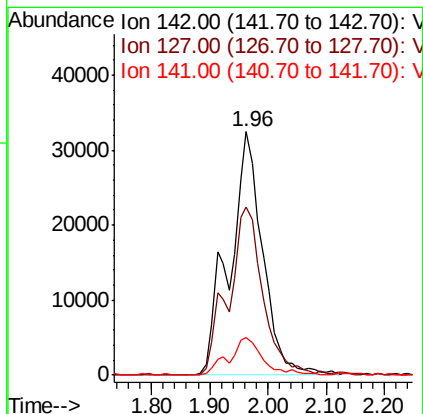
RT: 1.96 min Scan# 135

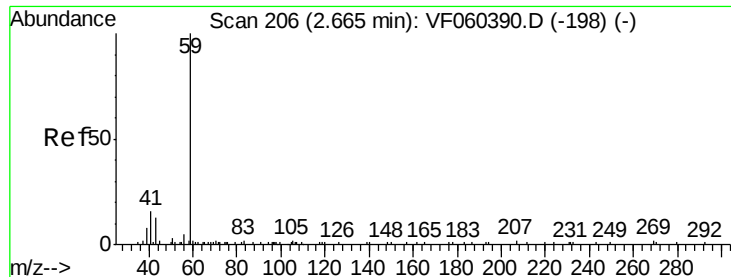
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	142	Resp:	129111
Ion Ratio	Lower	Upper	
142	100		
127	69.0	60.2	90.2
141	15.3	13.1	19.7





#11

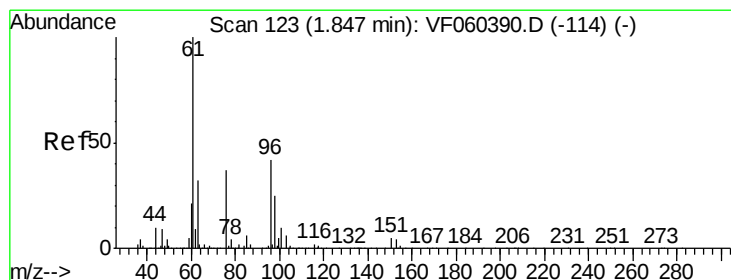
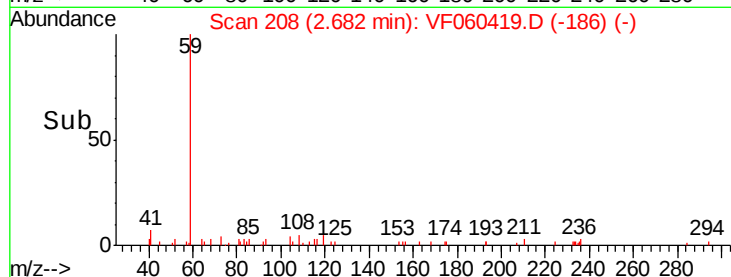
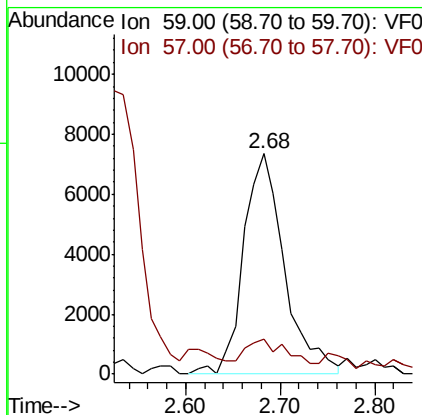
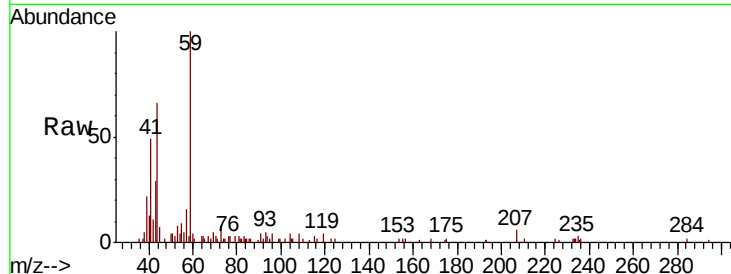
Tert butyl alcohol
Concen: 80.094 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.02 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.9	6.5	9.7#

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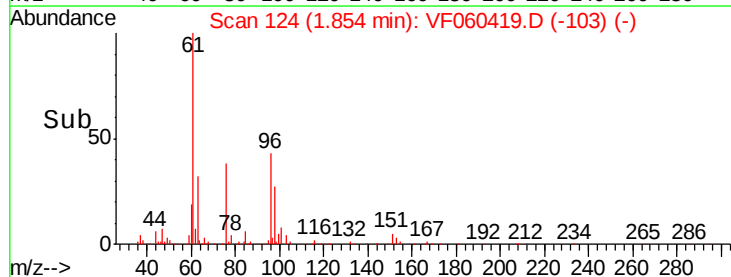
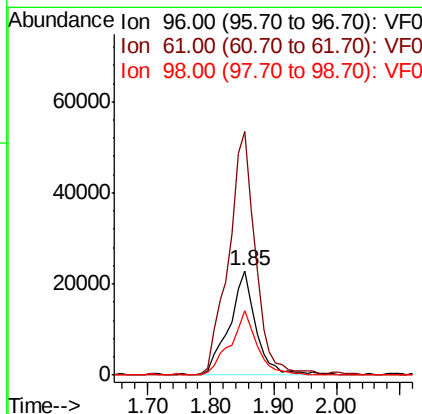
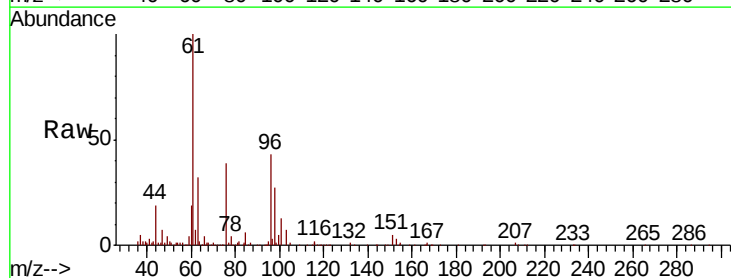
apatel
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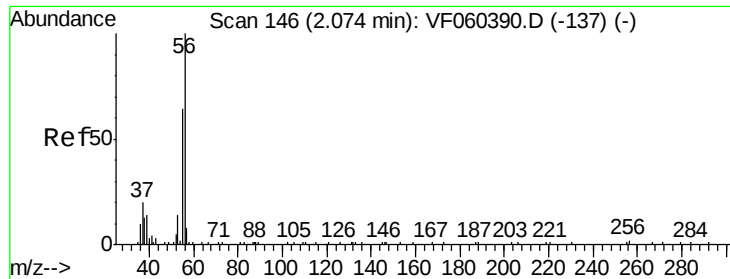


#12

1,1-Dichloroethene
Concen: 18.457 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	233.6	189.4	284.0
98	64.3	47.8	71.6





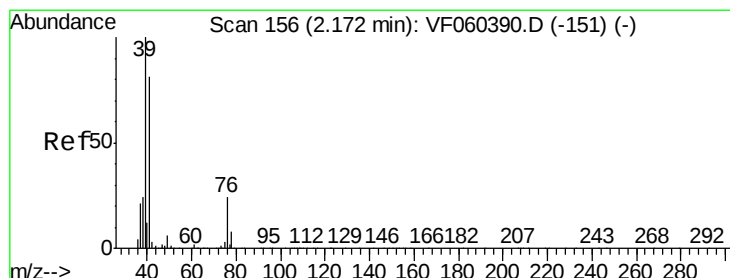
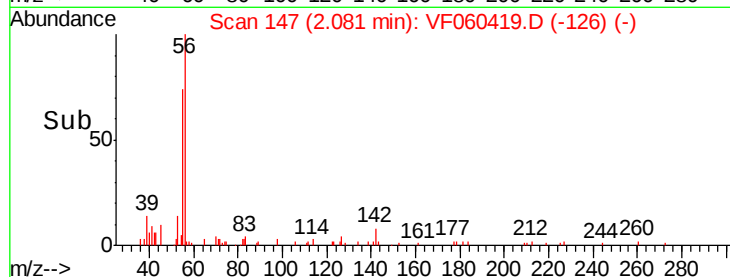
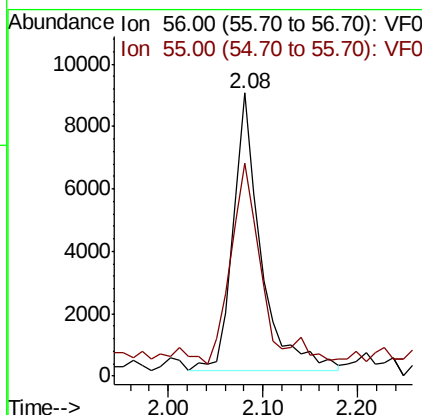
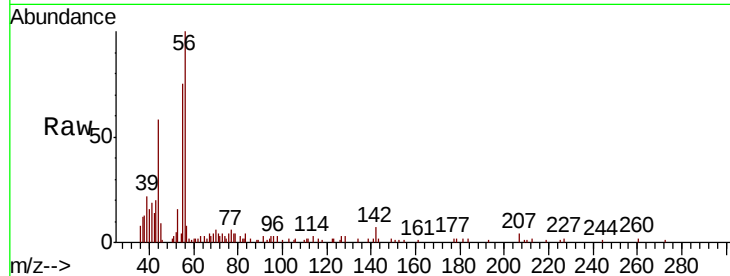
#13
Acrolein
Concen: 81.858 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion: 56 Resp: 18208
Ion Ratio Lower Upper
56 100
55 75.3 53.9 80.9

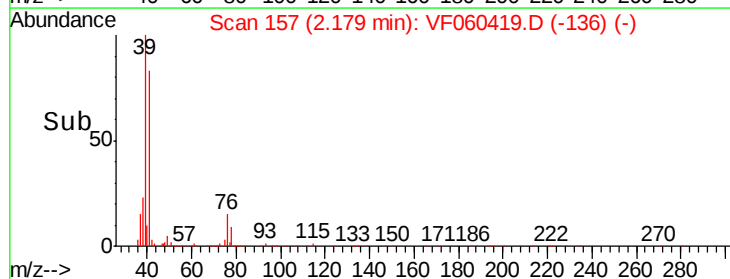
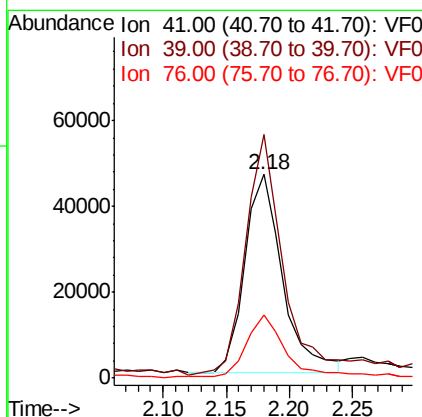
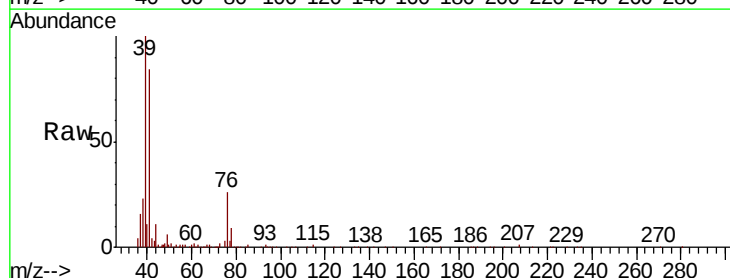
Manual Integrations
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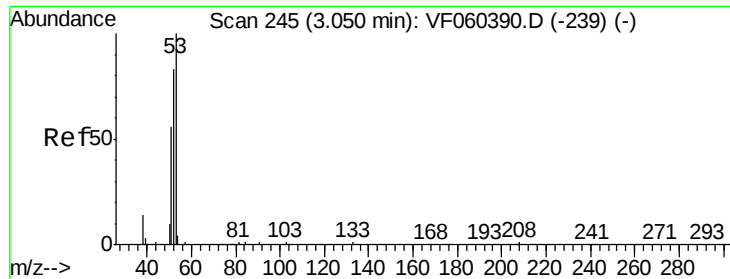
apatel
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#14
Allyl chloride
Concen: 17.174 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion: 41 Resp: 97547
Ion Ratio Lower Upper
41 100
39 119.5 98.3 147.5
76 31.3 23.9 35.9





#15

Acrylonitrile

Concen: 90.772 ug/l

RT: 3.06 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

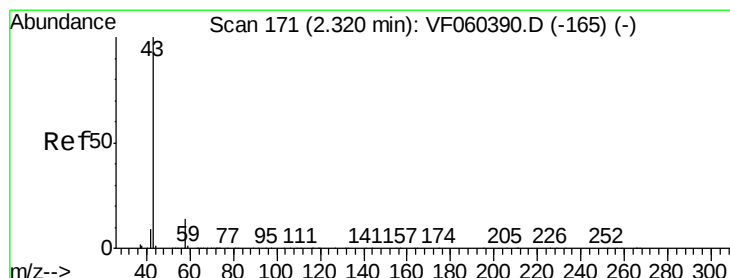
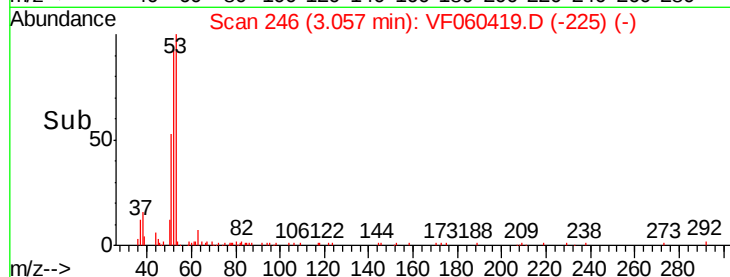
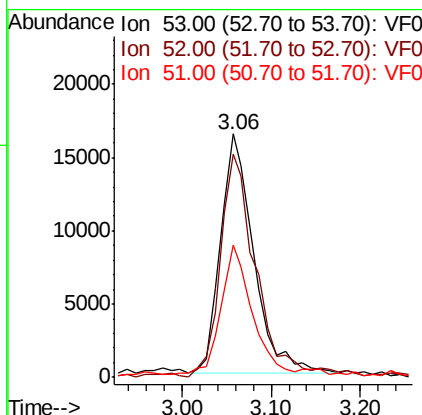
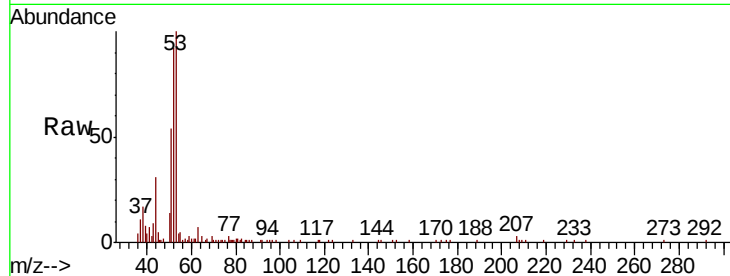
ClientSampleId :

VF1003SBS01

Tot Ion:	53	Resp:	43020
Ion	Ratio	Lower	Upper
53	100		
52	91.6	66.0	99.0
51	54.3	45.6	68.4

Manual Integrations
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#16

Acetone

Concen: 106.425 ug/l

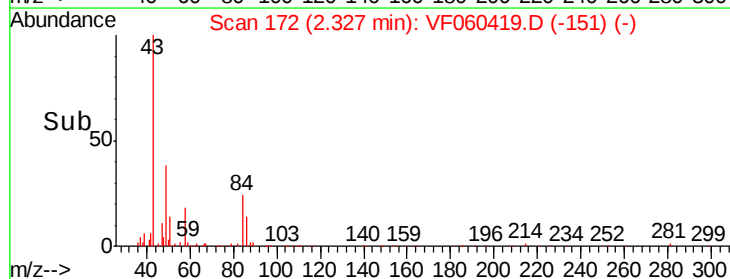
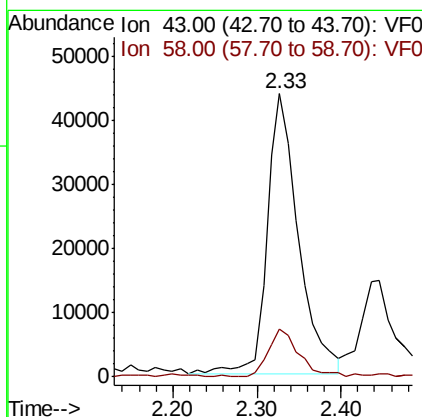
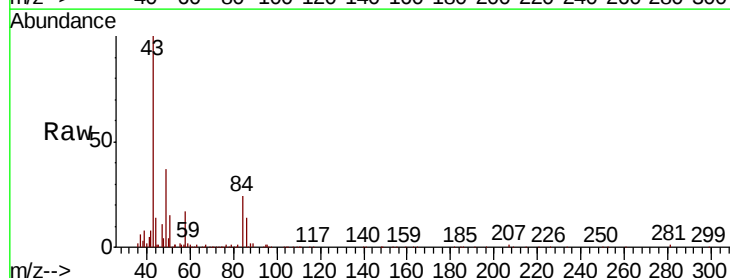
RT: 2.33 min Scan# 172

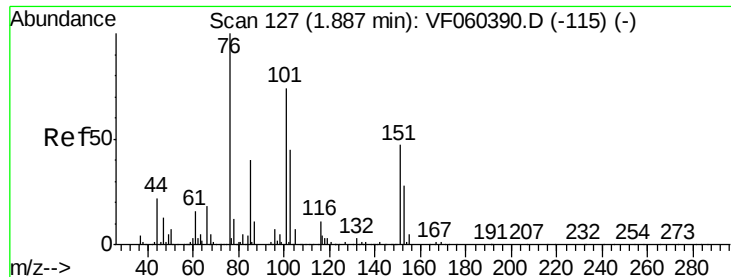
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	43	Resp:	113060
Ion	Ratio	Lower	Upper
43	100		
58	16.9	11.2	16.8#





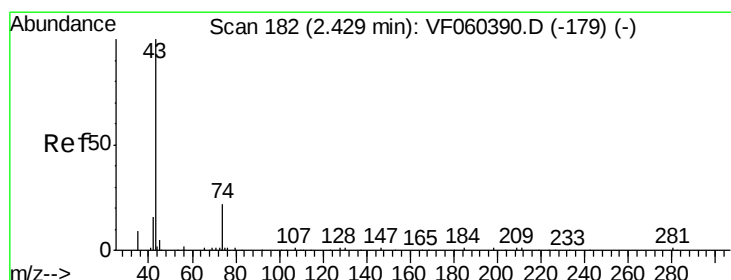
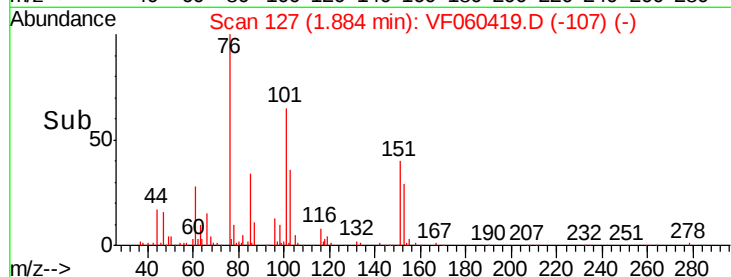
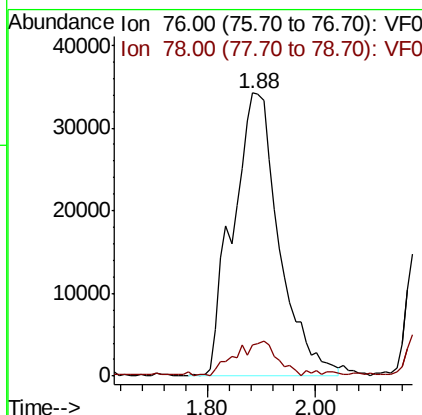
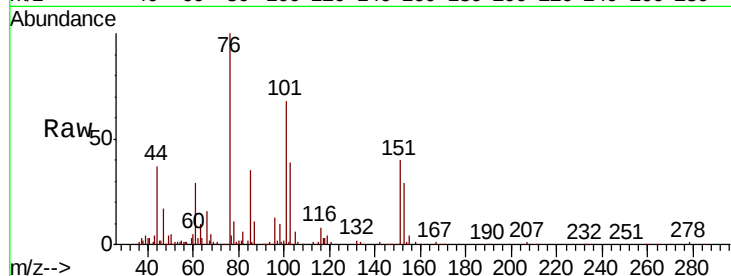
#17
Carbon Disulfide
Concen: 18.979 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.00 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.9	10.1	15.1

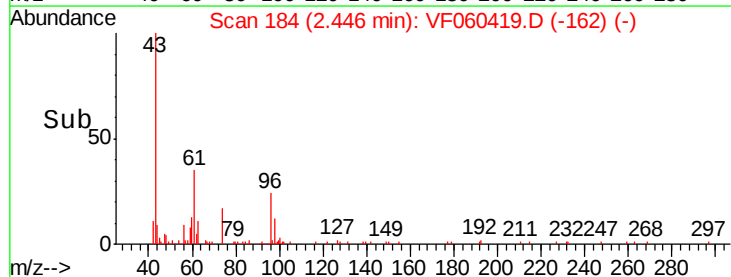
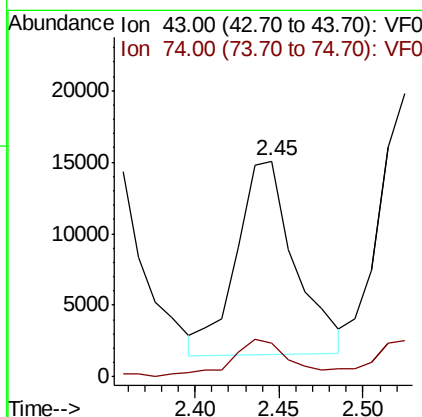
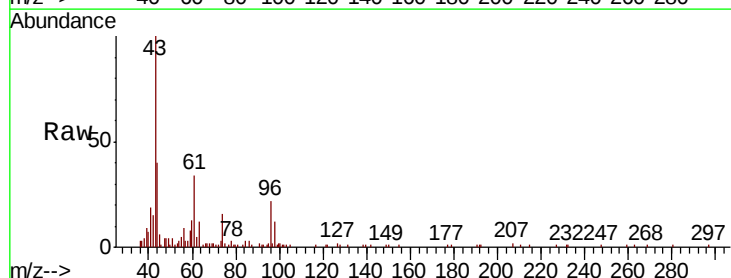
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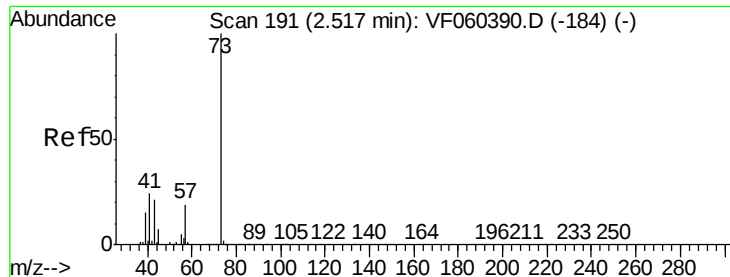
apatel
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#18
Methyl Acetate
Concen: 17.898 ug/l
RT: 2.45 min Scan# 184
Delta R.T. 0.02 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.8	15.8	23.8#





#19

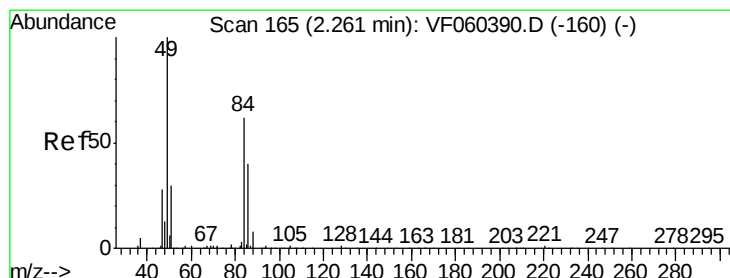
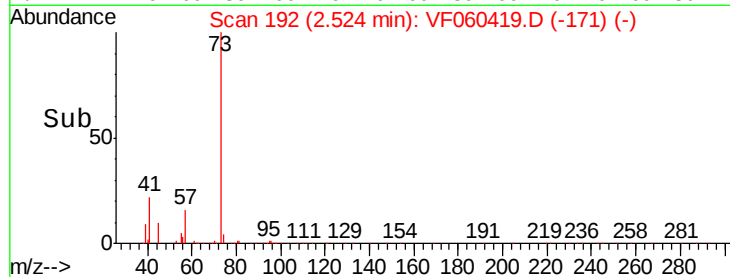
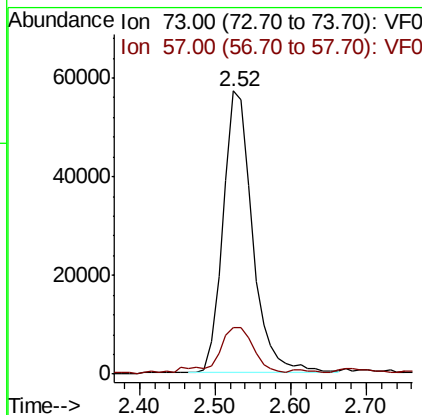
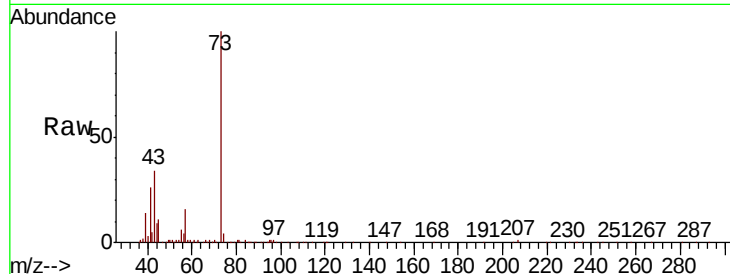
Methyl tert-butyl Ether
 Concen: 17.785 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	15.9	23.9

Manual Integrations
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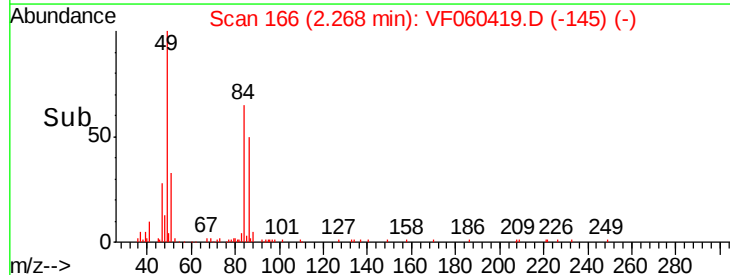
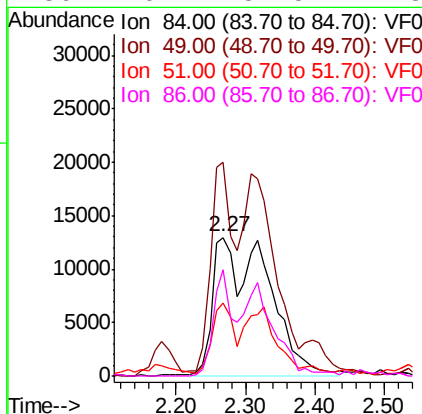
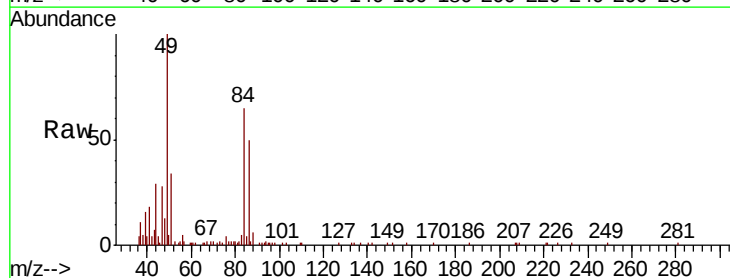
apatel
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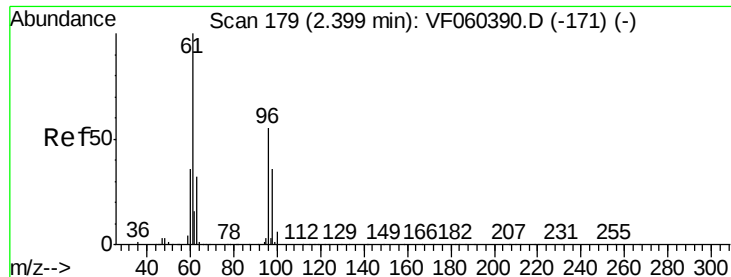


#20

Methylene Chloride
 Concen: 17.856 ug/l m
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.1	130.2	195.2
51	52.7	41.0	61.6
86	76.7	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 18.443 ug/l

RT: 2.40 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

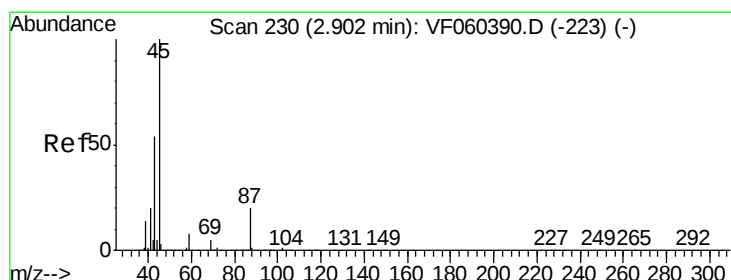
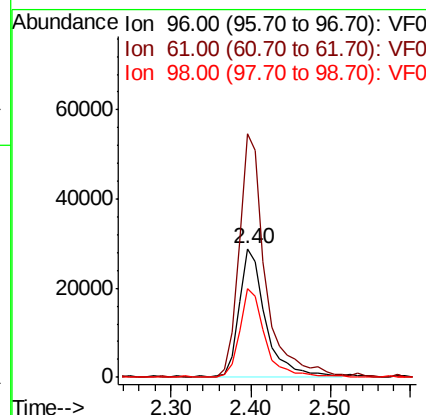
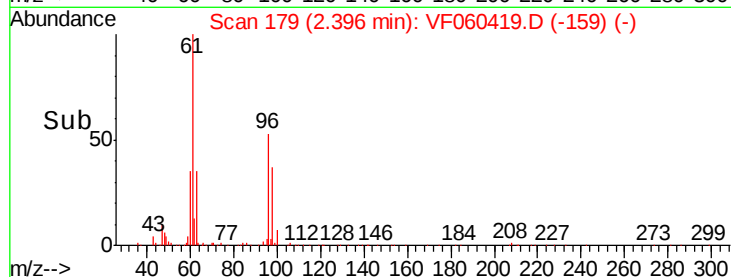
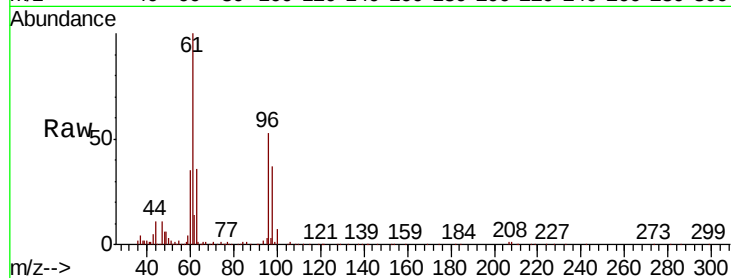
ClientSampleId :

VF1003SBS01

Tot Ion:	96	Resp:	65290
Ion	Ratio	Lower	Upper
96	100		
61	189.3	146.2	219.2
98	69.2	52.6	78.8

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#22

Diisopropyl ether

Concen: 19.963 ug/l

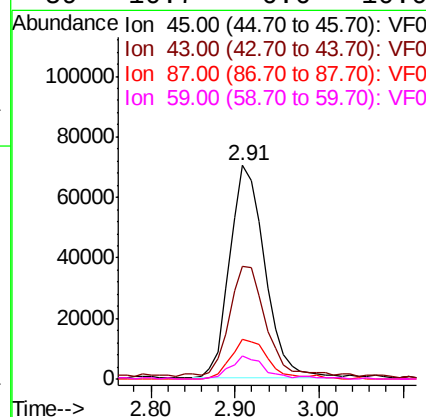
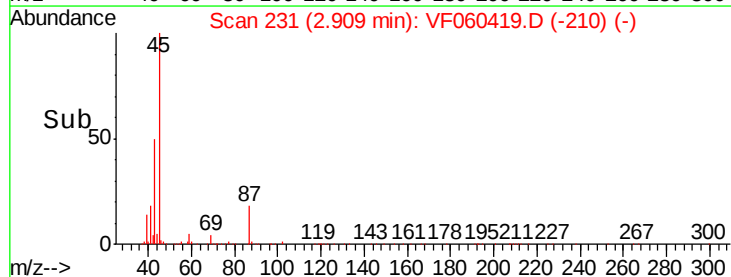
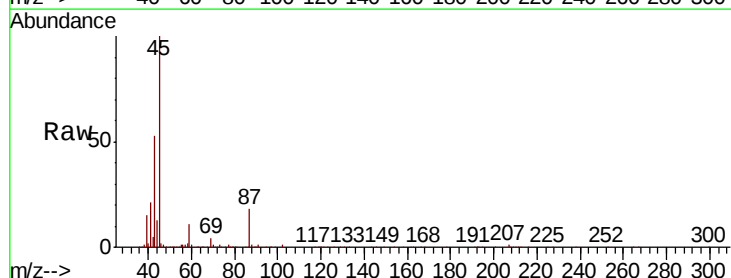
RT: 2.91 min Scan# 231

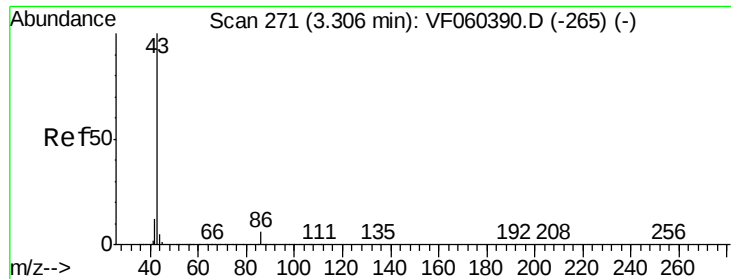
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	45	Resp:	205811
Ion	Ratio	Lower	Upper
45	100		
43	52.5	43.8	65.8
87	18.3	16.3	24.5
59	10.7	6.6	10.0#





#23

Vinyl Acetate

Concen: 96.506 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 43 Resp: 395220

Ion Ratio Lower Upper

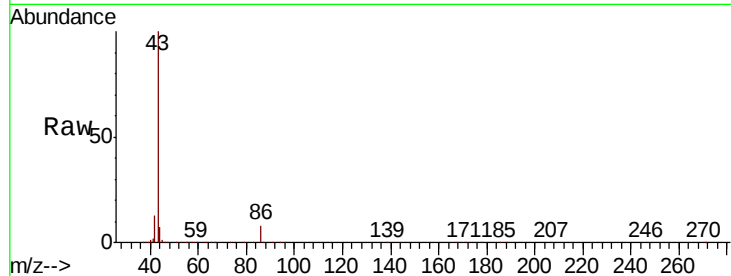
43 100

86 7.8 5.1 7.7#

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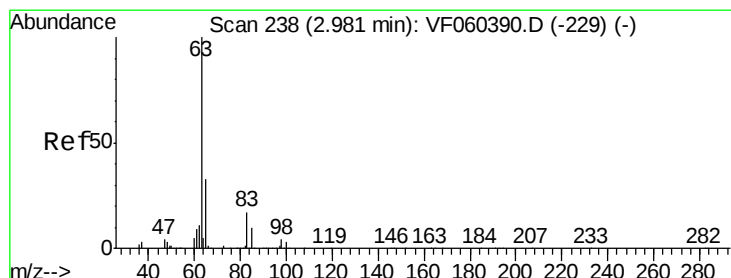
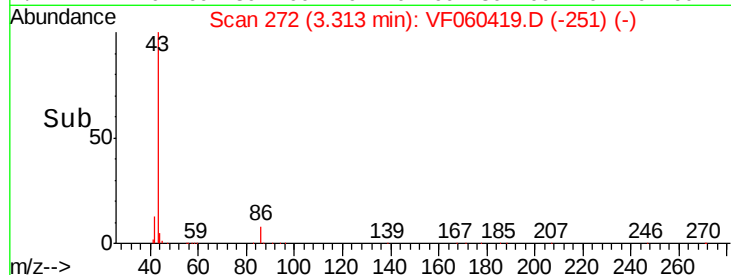
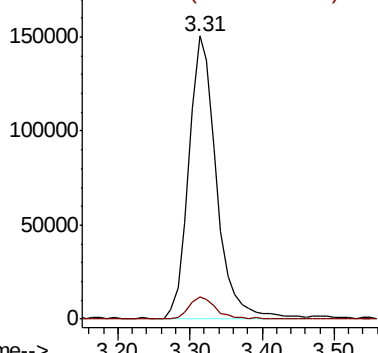
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 19.460 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

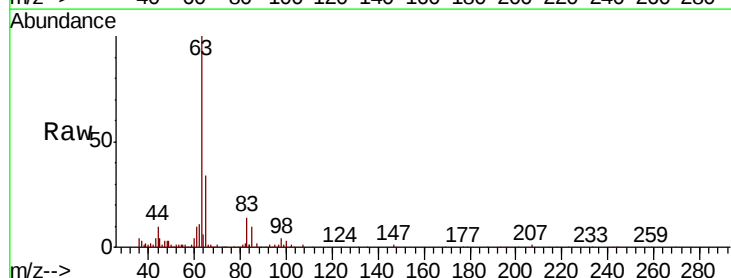
Tgt Ion: 63 Resp: 135671

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

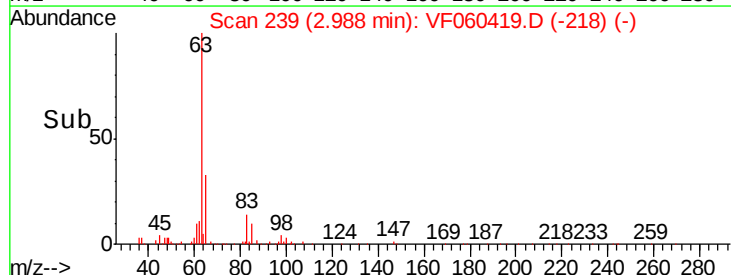
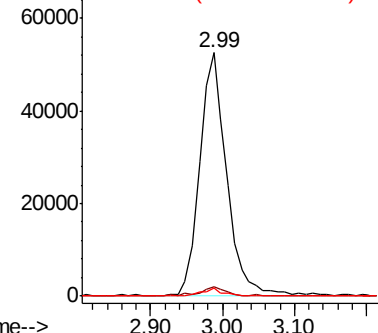
100 3.4 1.4 4.2

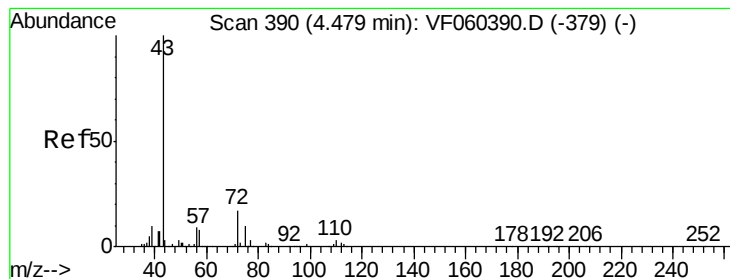


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 98.483 ug/l

RT: 4.49 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 43 Resp: 116606

Ion Ratio Lower Upper

43 100

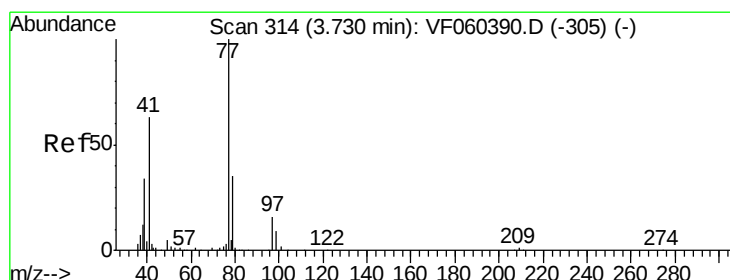
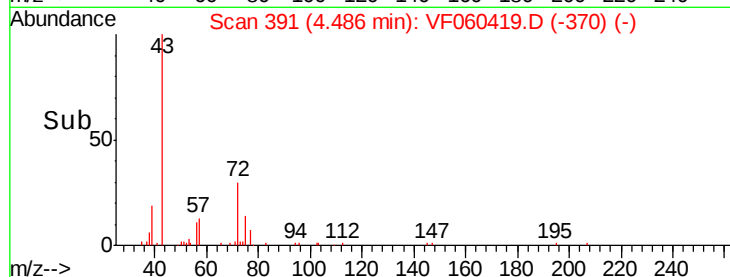
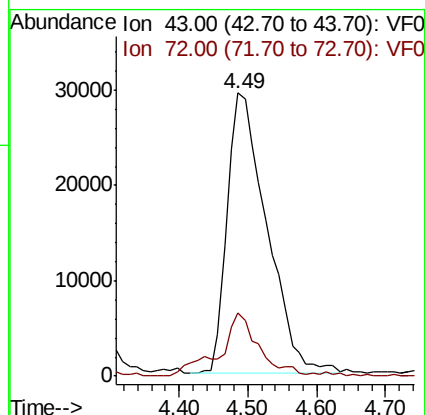
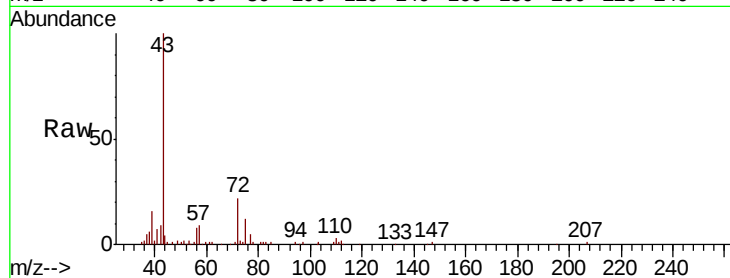
72 22.2 14.1 21.1#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.243 ug/l

RT: 3.75 min Scan# 316

Delta R.T. 0.02 min

Lab File: VF060419.D

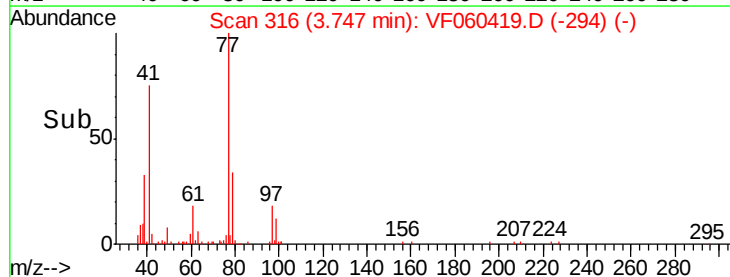
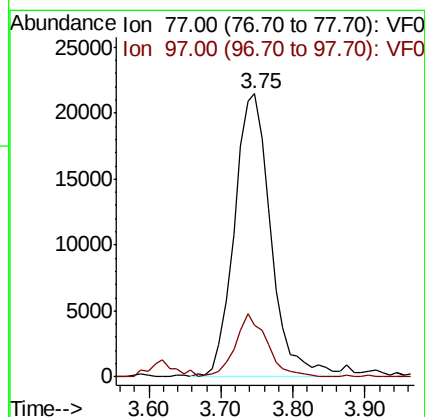
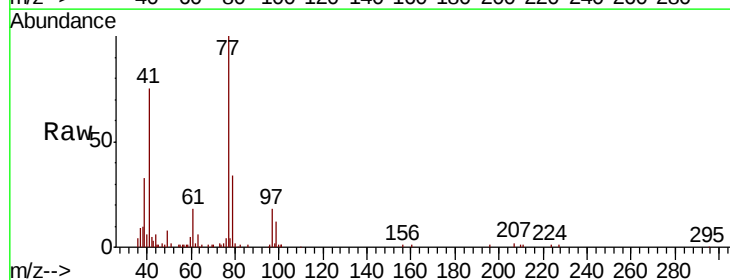
Acq: 3 Oct 2018 17:23

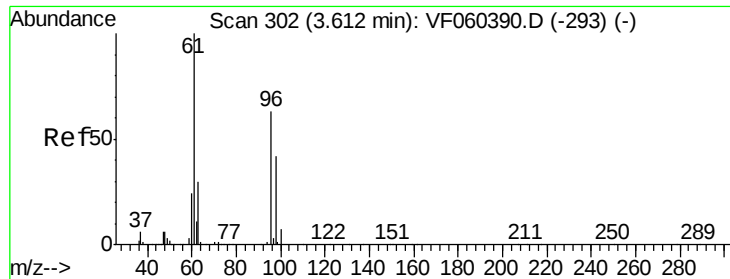
Tgt Ion: 77 Resp: 75981

Ion Ratio Lower Upper

77 100

97 18.2 8.3 25.1





#27

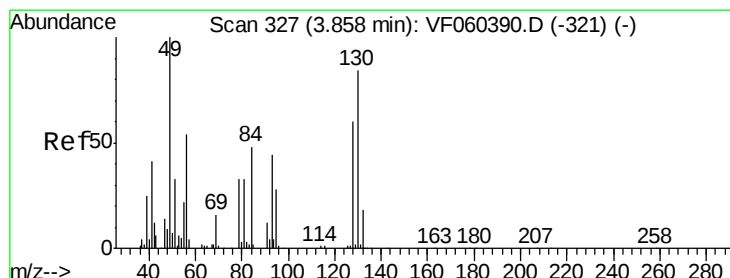
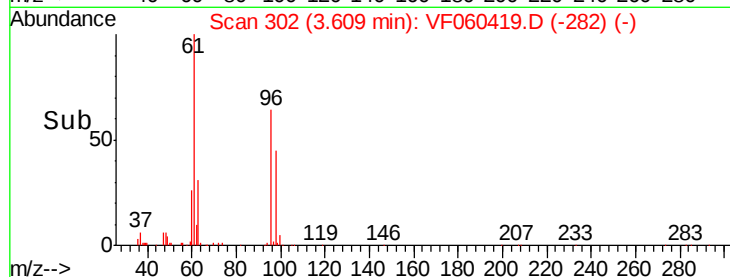
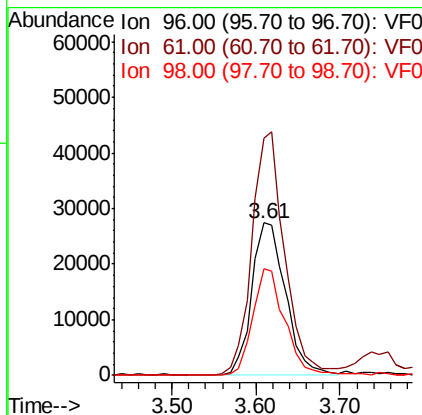
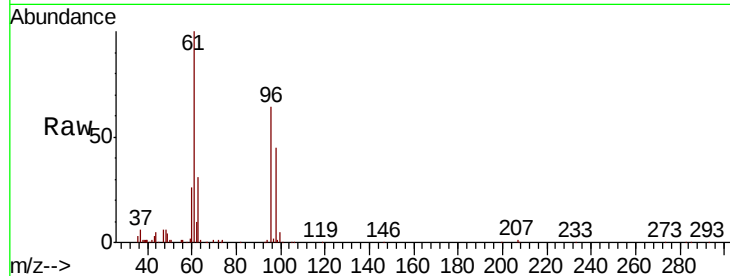
cis-1,2-Dichloroethene
Concen: 19.594 ug/l
RT: 3.61 min Scan# 302
Delta R.T. -0.00 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	318.2
98	72.0	0.0	134.0

Manual Integrations
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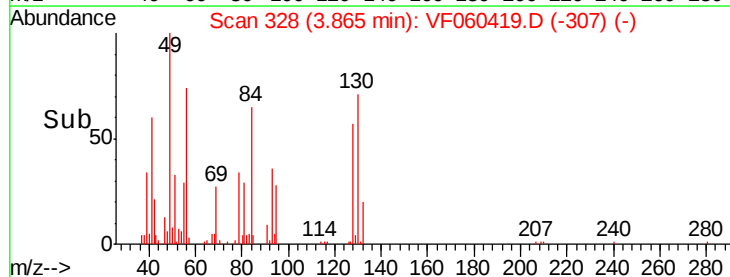
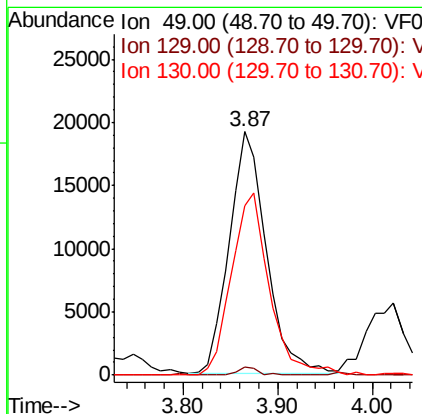
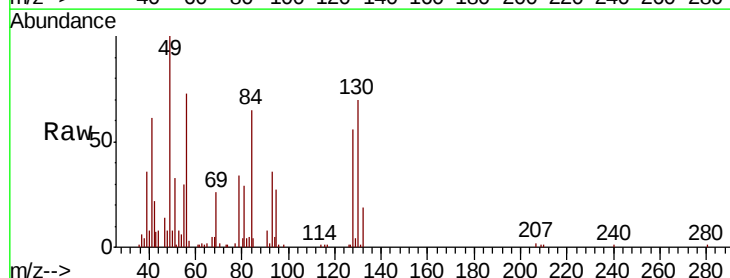
apatel
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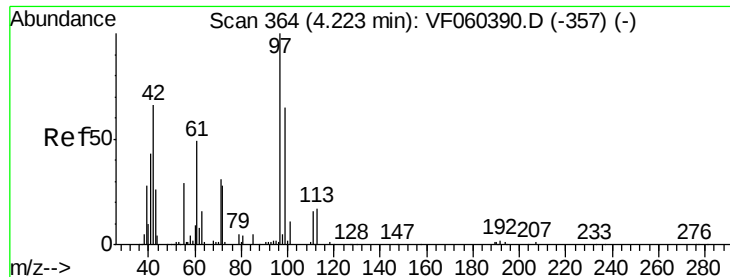


#28

Bromochloromethane
Concen: 20.242 ug/l
RT: 3.87 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	4.6
130	69.7	67.3	100.9





#29

Tetrahydrofuran

Concen: 92.964 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.02 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

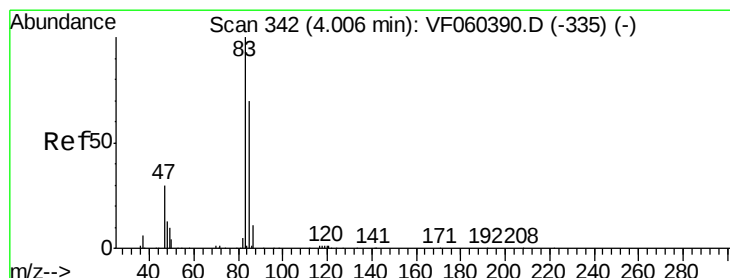
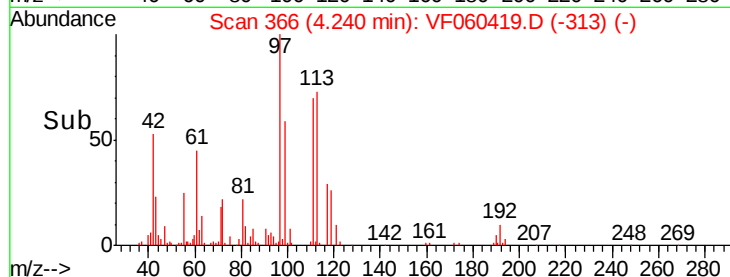
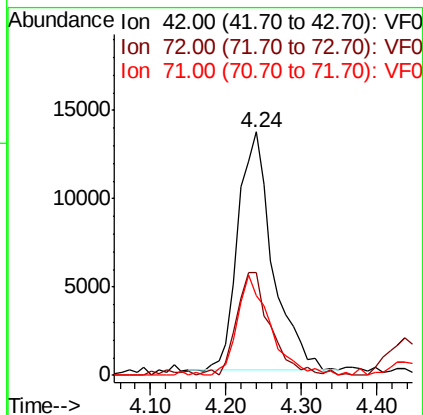
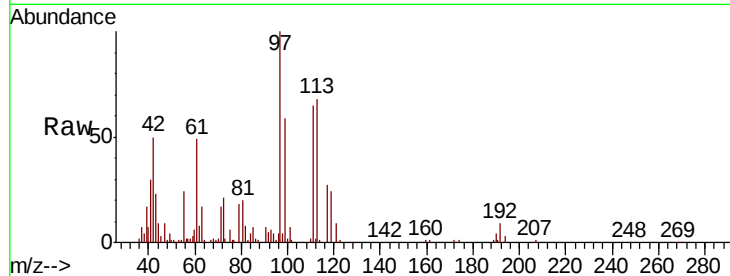
ClientSampleId :

VF1003SBS01

Tot Ion:	42	Resp:	42748
Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.6	50.4
71	40.1	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 19.606 ug/l

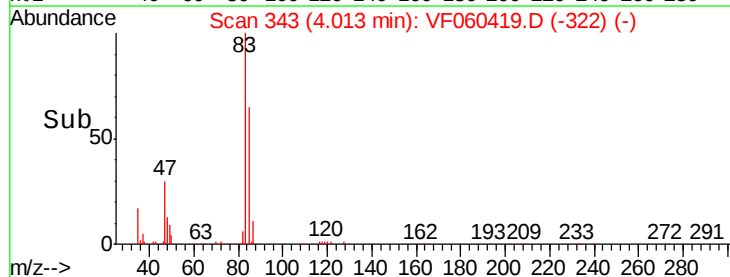
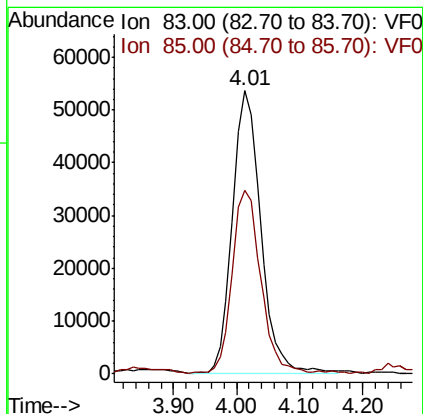
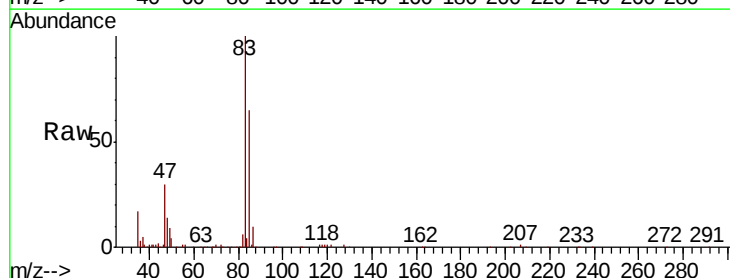
RT: 4.01 min Scan# 343

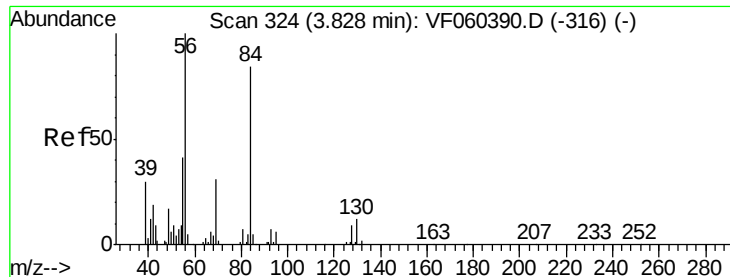
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	83	Resp:	168666
Ion	Ratio	Lower	Upper
83	100		
85	65.0	55.9	83.9





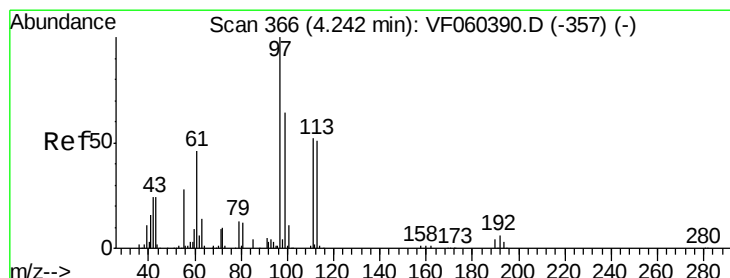
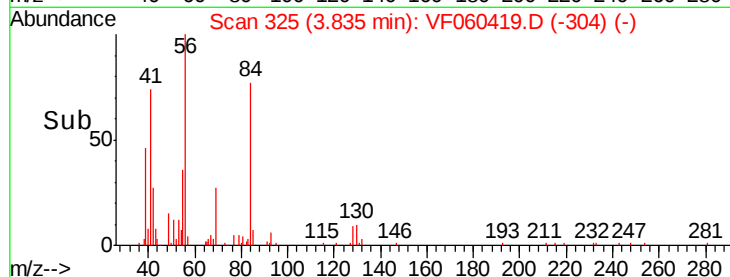
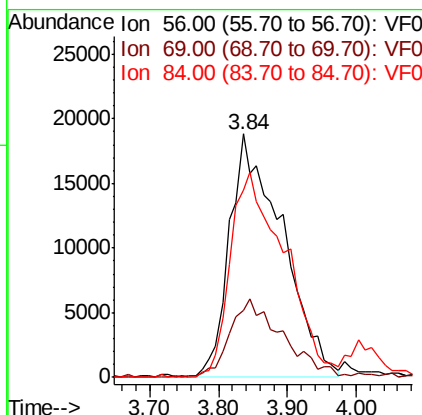
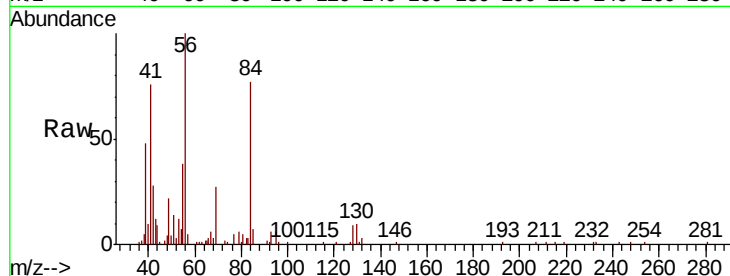
#31
Cyclohexane
Concen: 19.978 ug/l
RT: 3.84 min Scan# 325
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.3	25.5	38.3
84	76.9	67.4	101.0

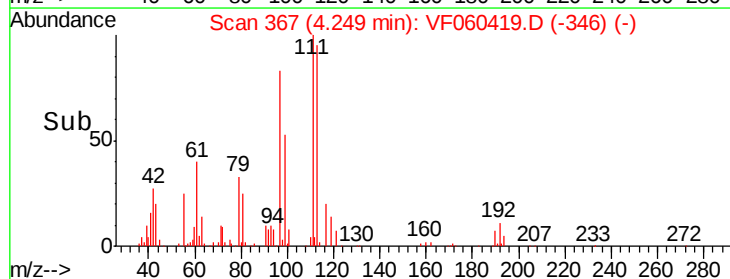
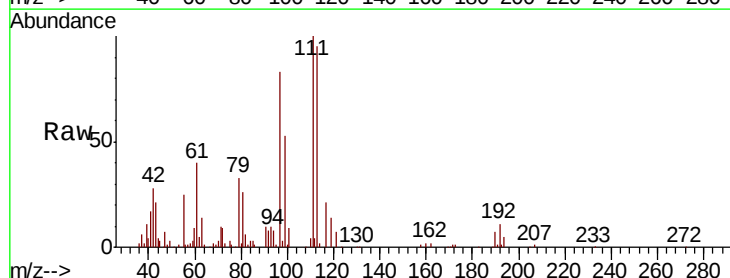
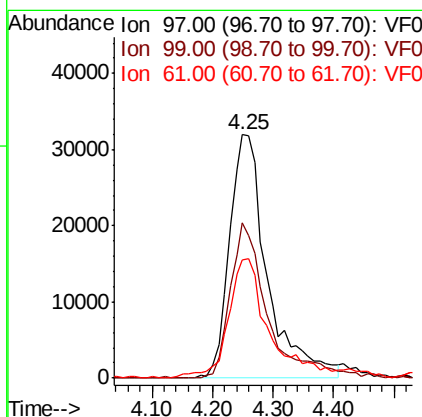
Manual Integrations
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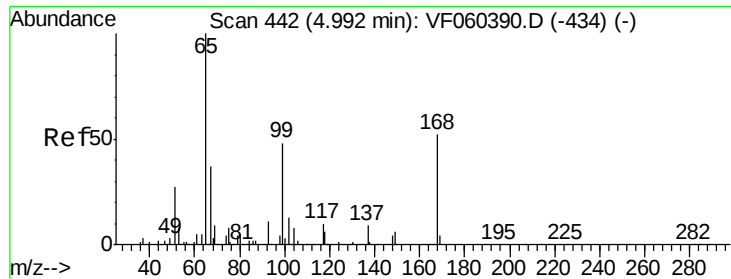
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#32
1,1,1-Trichloroethane
Concen: 19.399 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	48.7	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 46.478 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 65 Resp: 212528

Ion Ratio Lower Upper

65 100

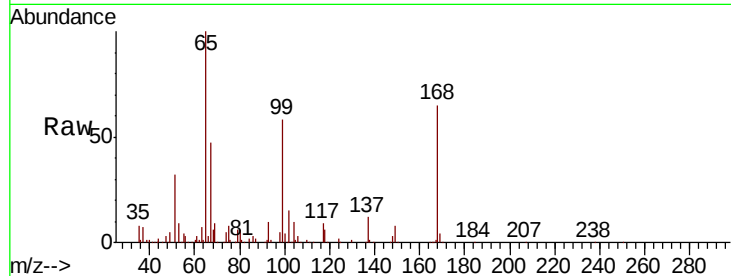
67 46.9 0.0 89.4

Manual Integrations

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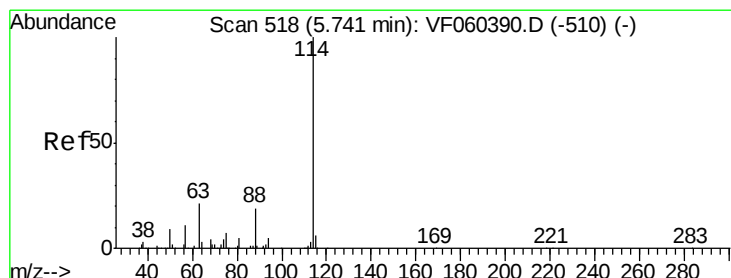
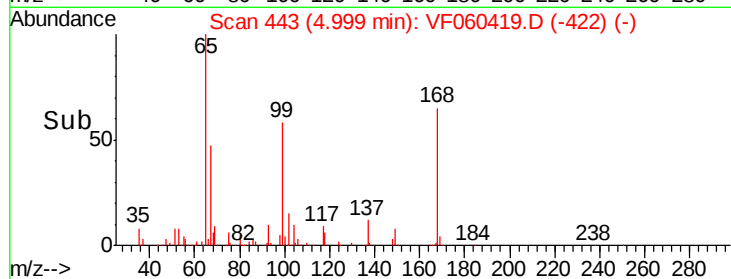
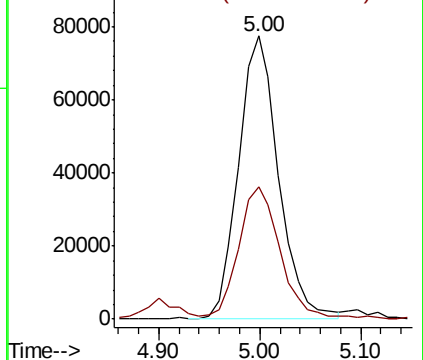
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

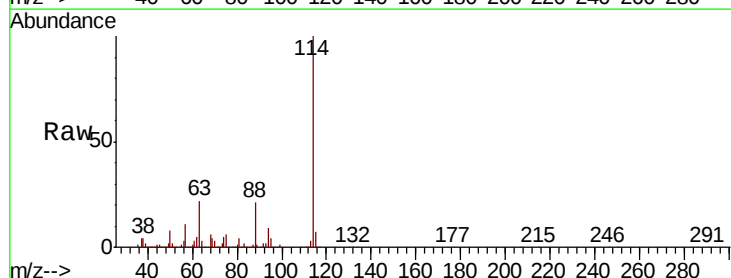
Tgt Ion:114 Resp: 469597

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.2

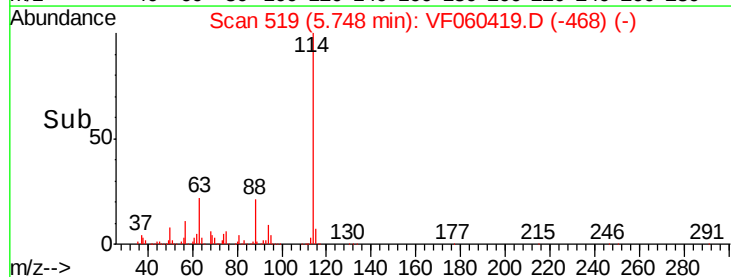
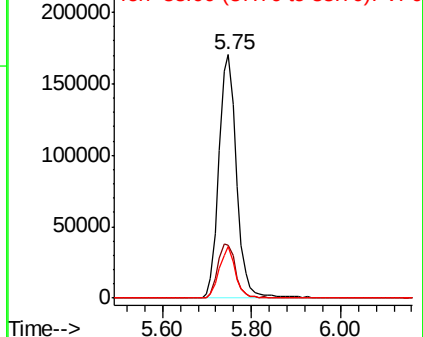
88 21.2 0.0 38.8

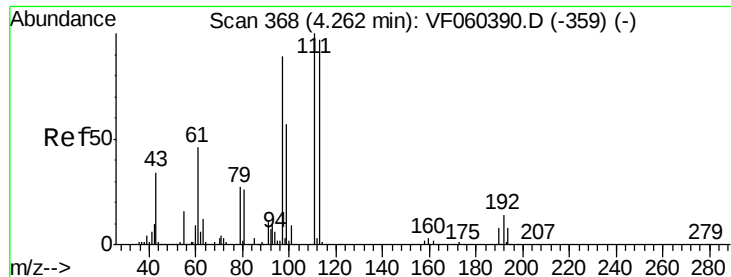


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 49.997 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

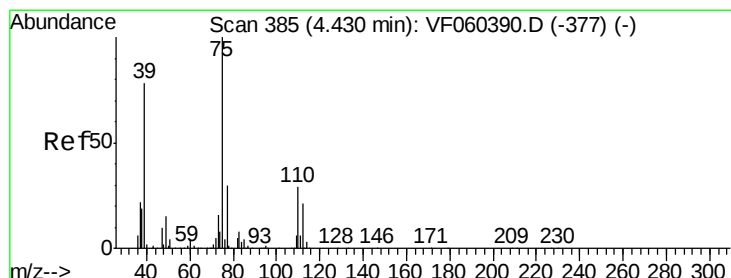
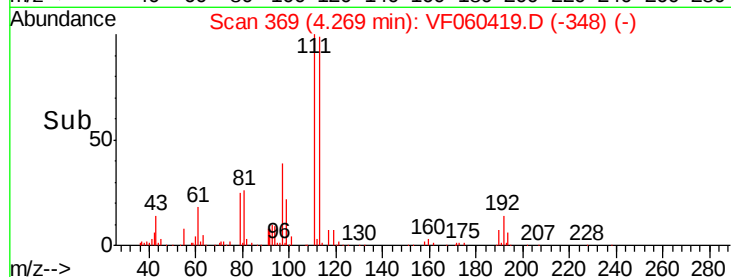
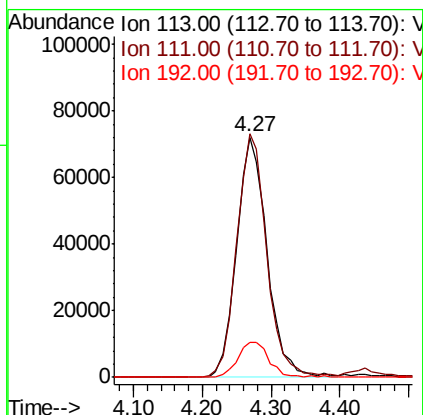
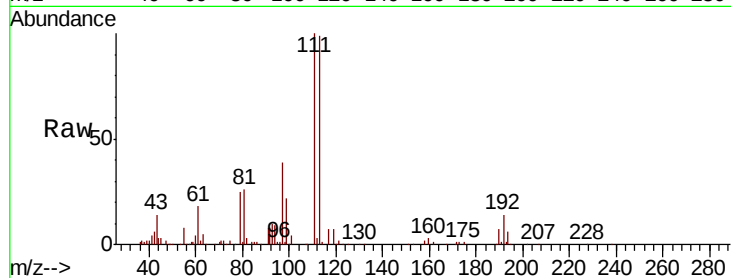
ClientSampleId :

VF1003SBS01

Tot Ion:	113	Resp:	220567
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.3	123.5
192	14.6	11.8	17.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.683 ug/l

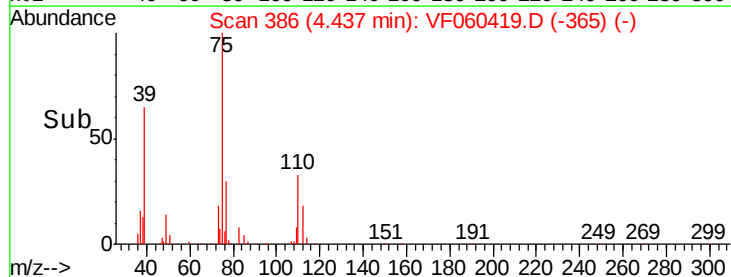
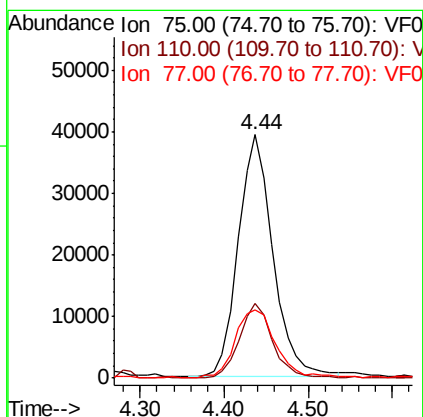
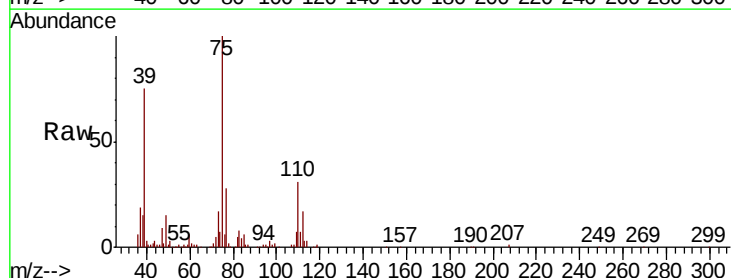
RT: 4.44 min Scan# 386

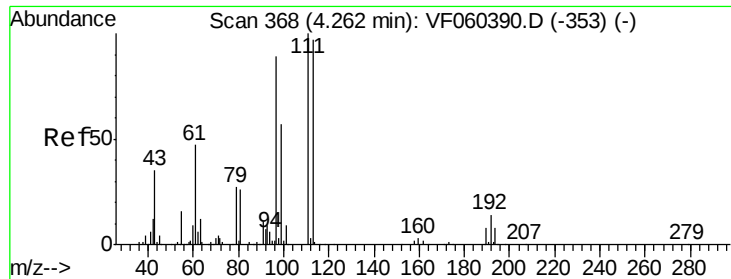
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	75	Resp:	113957
Ion Ratio	Lower	Upper	
75	100		
110	30.6	14.5	43.6
77	28.2	24.3	36.5





#37

Ethyl Acetate

Concen: 18.156 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

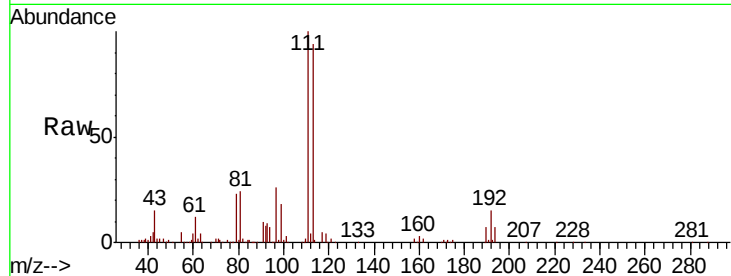
ClientSampleId :

VF1003SBS01

Tot Ion:	43	Resp:	40254
Ion	Ratio	Lower	Upper
43	100		
61	76.5	105.1	157.7#
70	10.5	8.0	12.0

Manual Integrations
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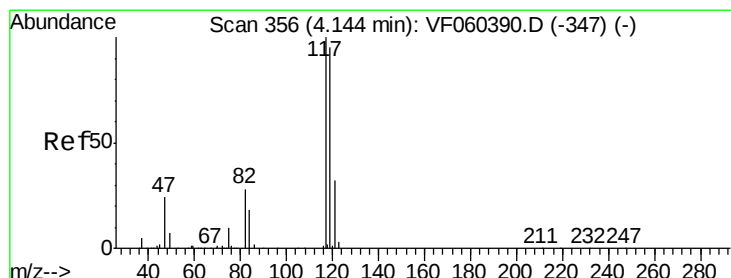
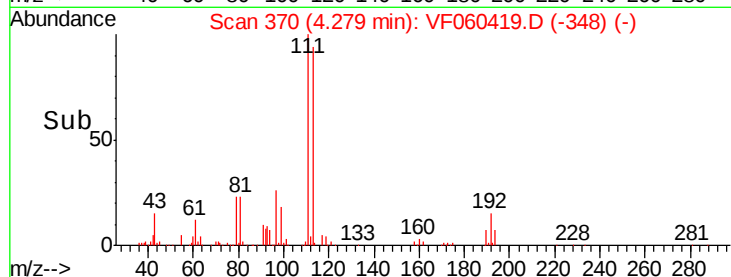
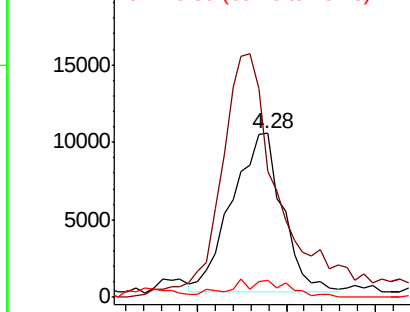


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 18.877 ug/l

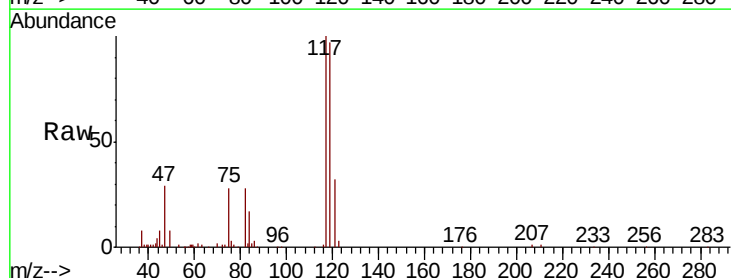
RT: 4.15 min Scan# 357

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	117	Resp:	133039
Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.5	113.3
121	31.5	25.4	38.0

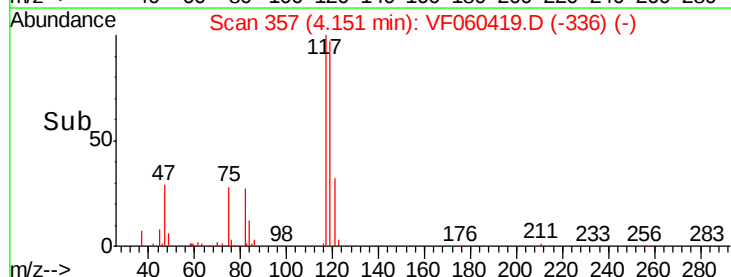
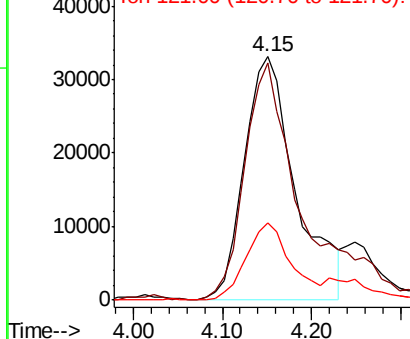


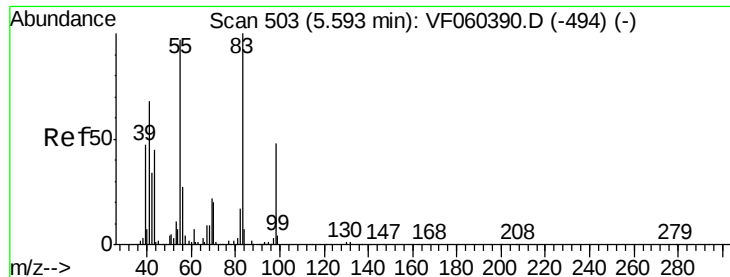
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





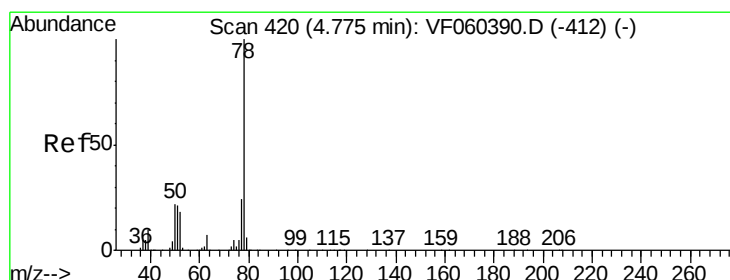
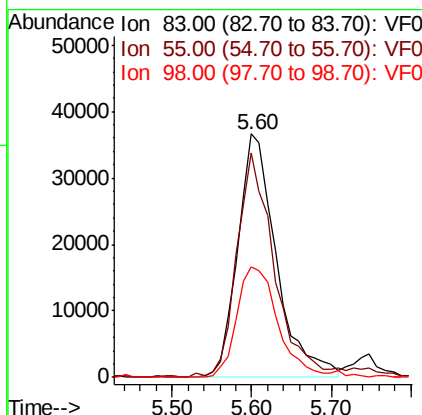
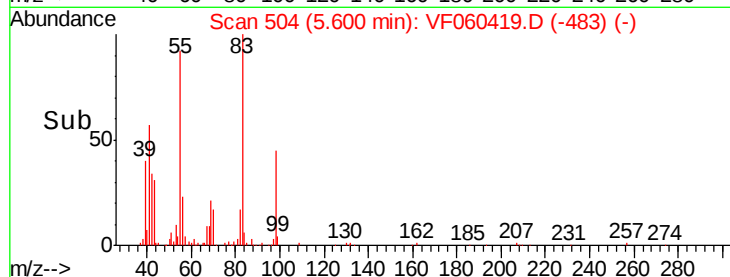
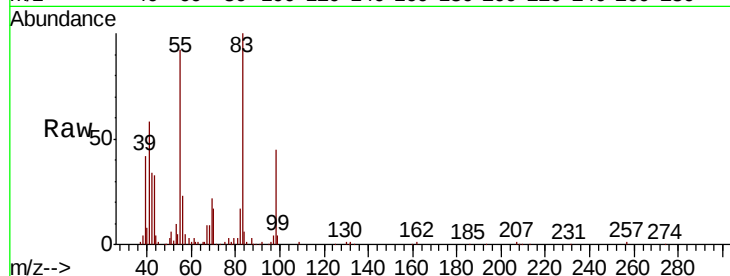
#39
Methvlcvclohexane
Concen: 21.704 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.2	77.5	116.3
98	45.4	38.7	58.1

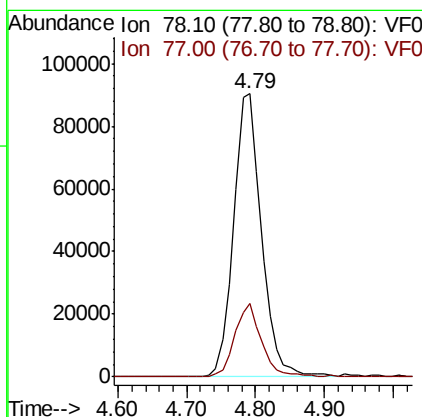
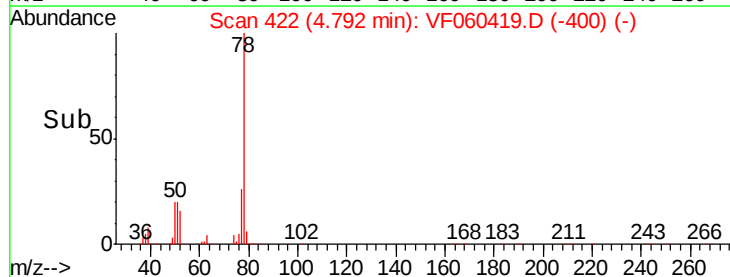
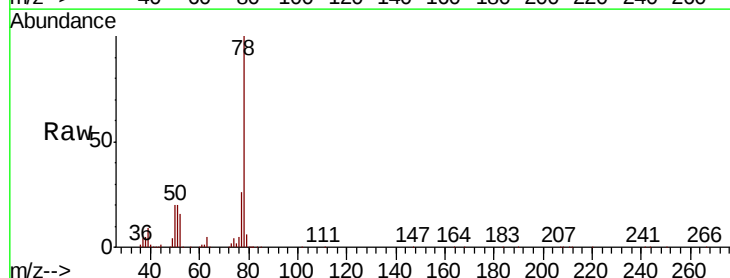
Manual Integrations
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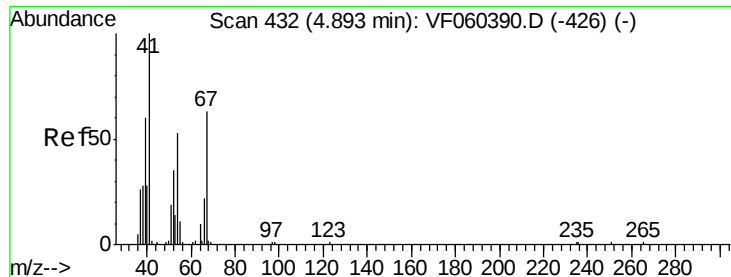
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#40
Benzene
Concen: 22.068 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.02 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.2	28.8





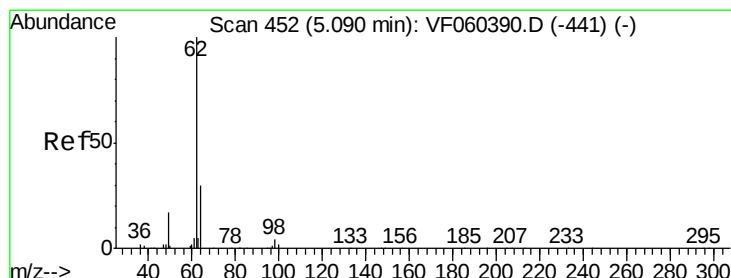
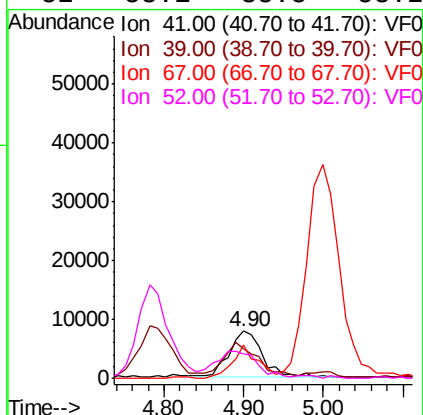
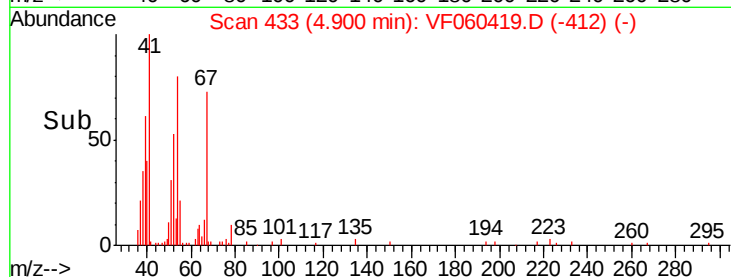
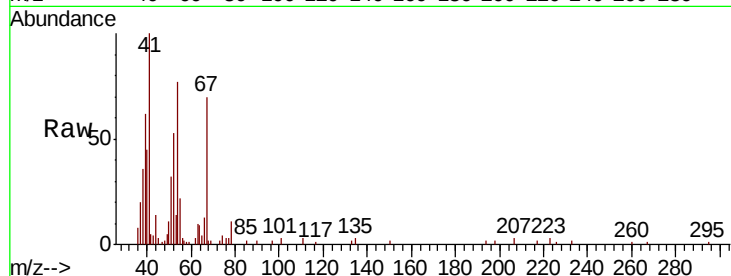
#41
Methacrylonitrile
Concen: 19.930 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.2	55.0	82.4
67	70.1	49.6	74.4
52	53.1	38.8	58.2

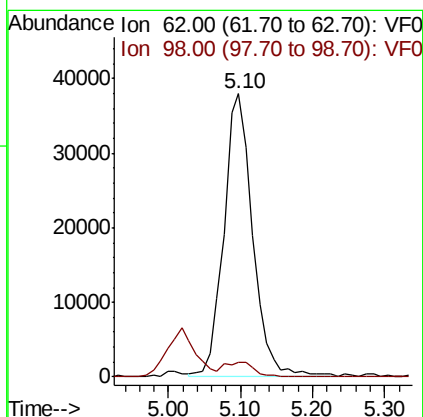
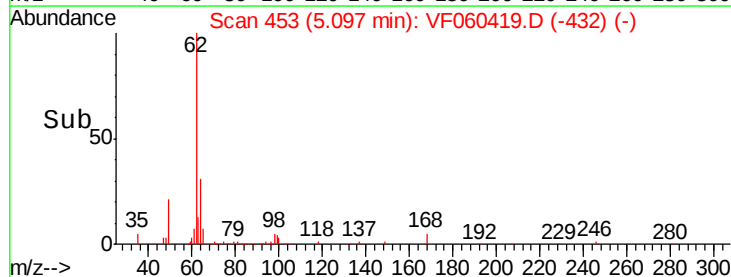
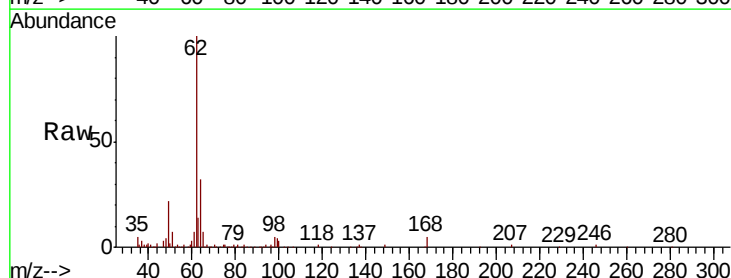
Manual Integrations
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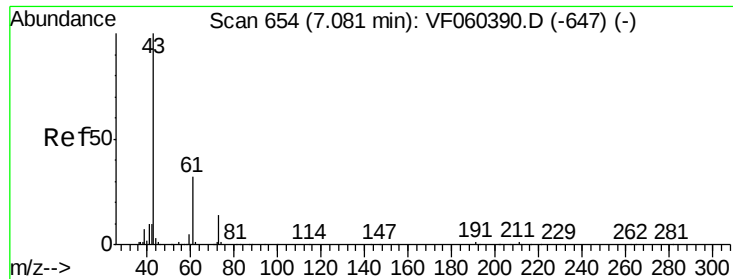
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#42
1,2-Dichloroethane
Concen: 19.287 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	11.2





#43

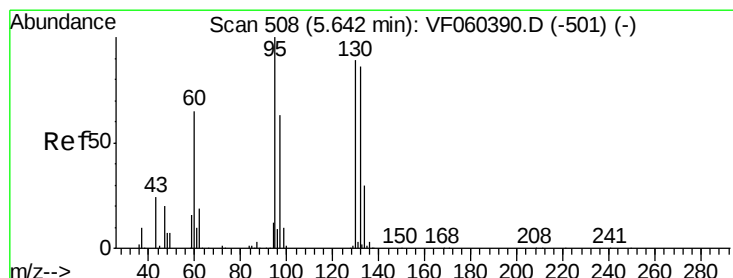
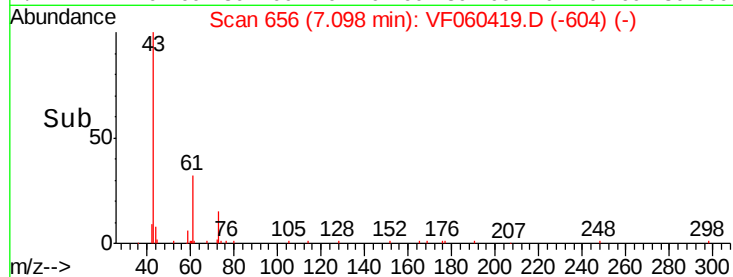
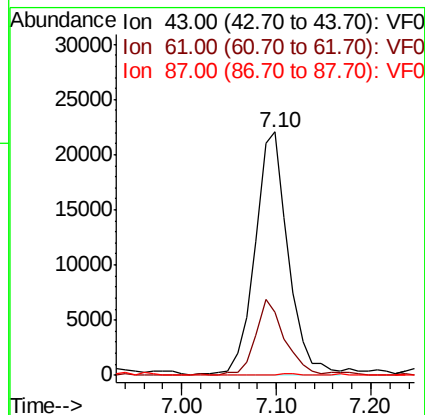
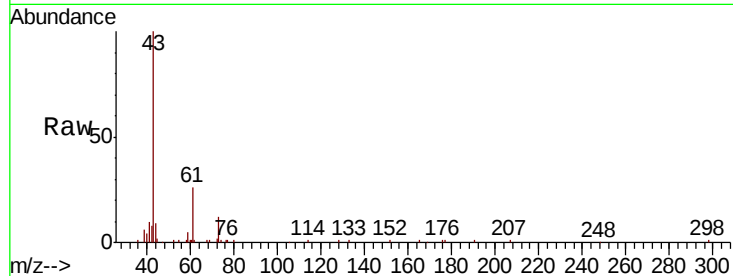
Isopropyl Acetate
 Concen: 20.152 ug/l
 RT: 7.10 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	25.4	38.2
87	0.0	0.3	0.5

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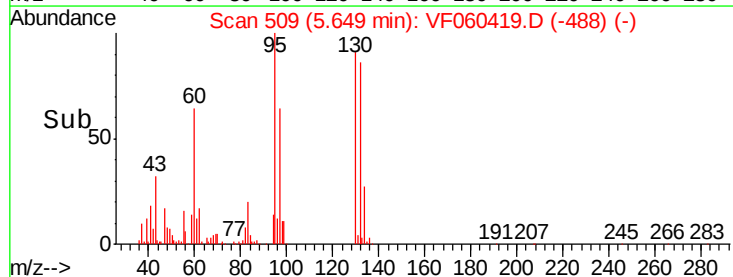
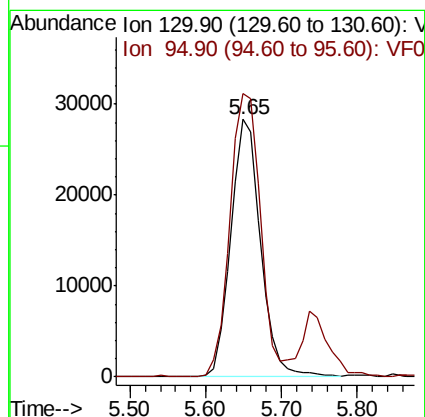
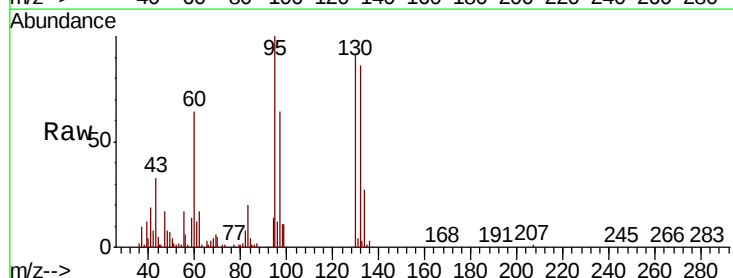
apatel
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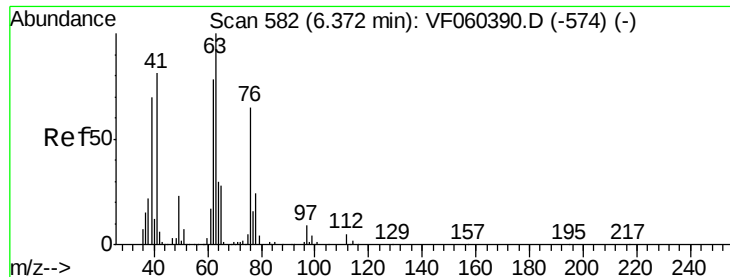


#44

Trichloroethene
 Concen: 20.847 ug/l
 RT: 5.65 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	224.4





#45

1,2-Dichloropropane

Concen: 21.187 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 63 Resp: 64850

Ion Ratio Lower Upper

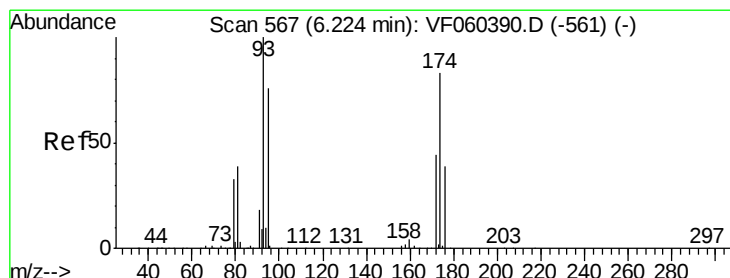
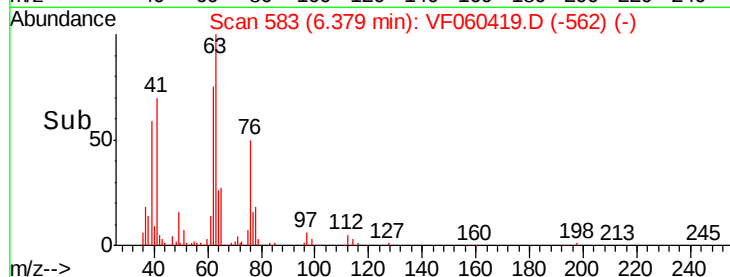
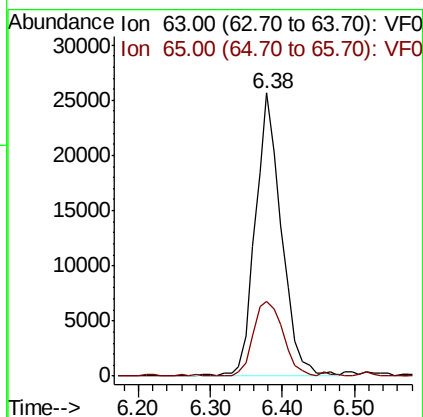
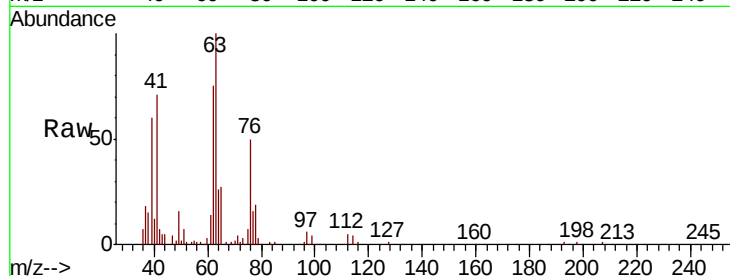
63 100

65 26.6 22.7 34.1

Manual Integrations
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#46

Dibromomethane

Concen: 19.303 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

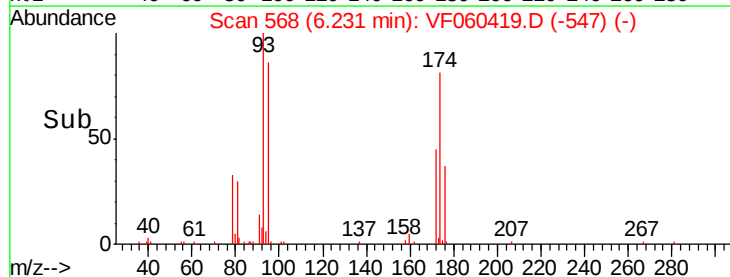
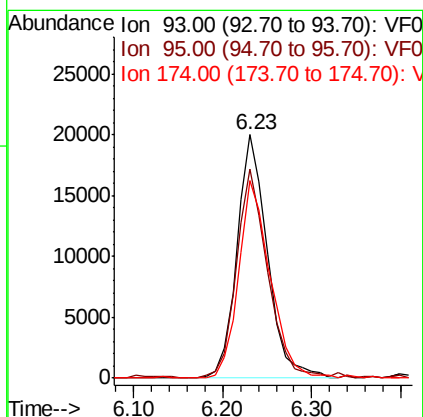
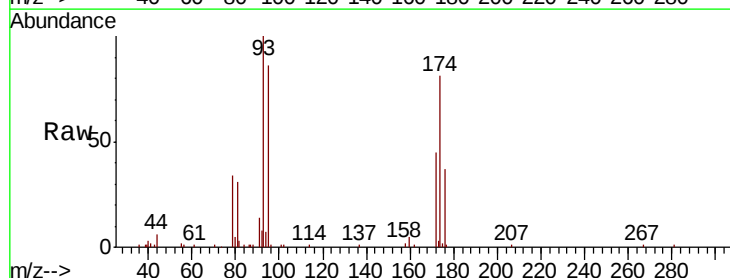
Tgt Ion: 93 Resp: 47505

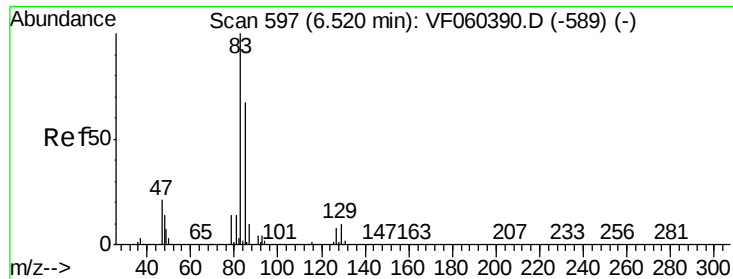
Ion Ratio Lower Upper

93 100

95 86.0 61.1 91.7

174 80.9 66.7 100.1





#47

Bromodichloromethane

Concen: 19.725 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

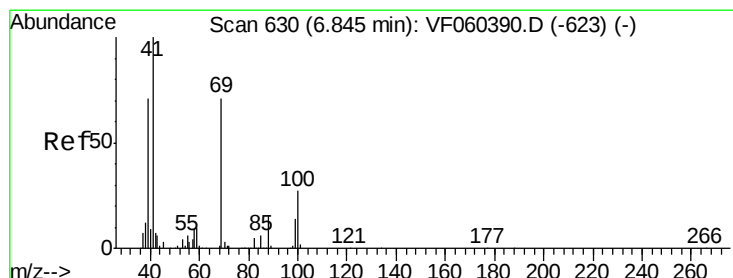
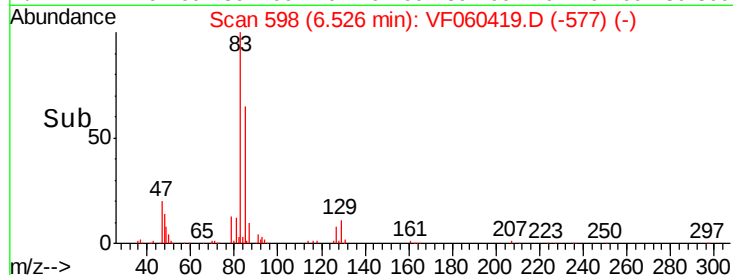
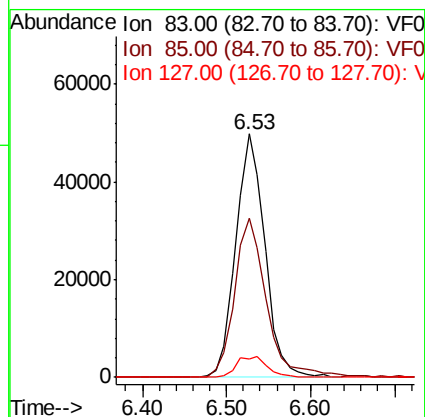
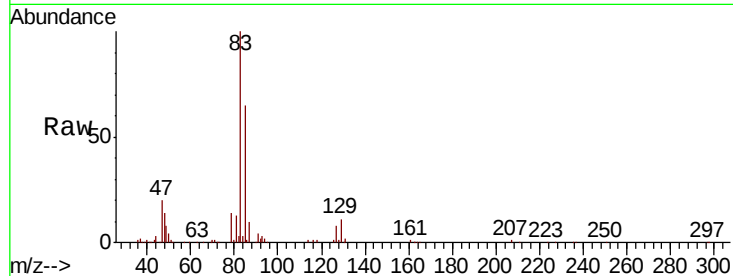
ClientSampleId :

VF1003SBS01

Tot Ion:	83	Resp:	120225
Ion Ratio	Lower	Upper	
83	100		
85	65.4	53.2	79.8
127	7.6	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.584 ug/l

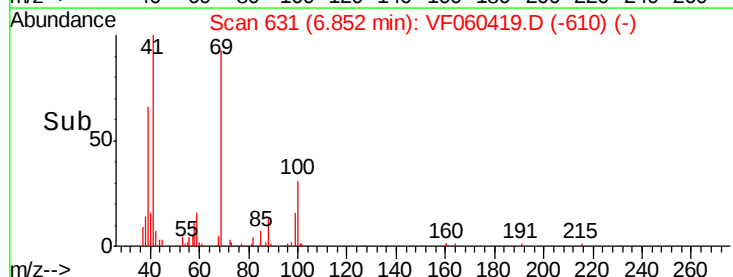
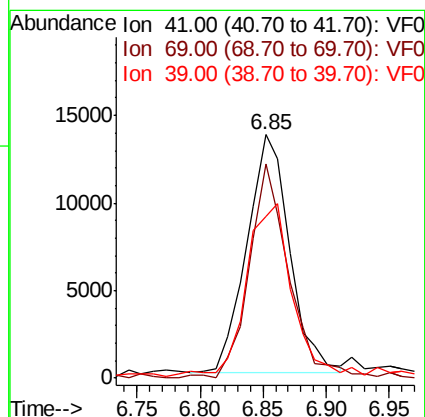
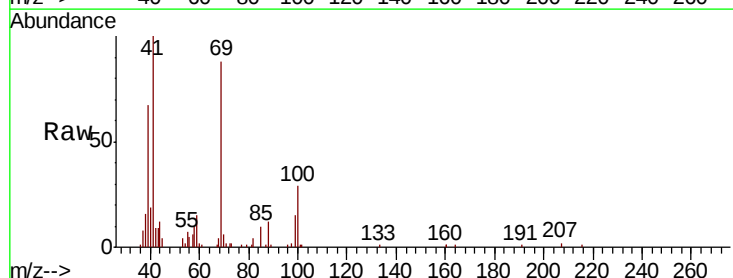
RT: 6.85 min Scan# 631

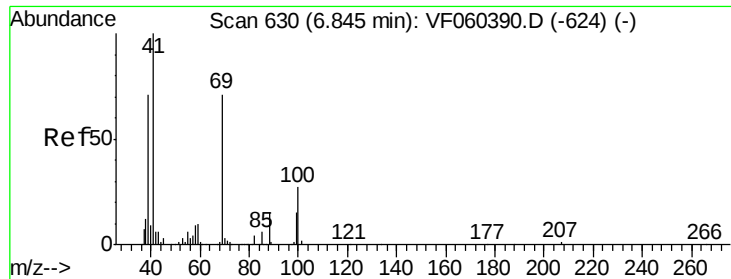
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	41	Resp:	31896
Ion Ratio	Lower	Upper	
41	100		
69	87.8	56.3	84.5#
39	66.6	56.9	85.3





#49

1,4-Dioxane

Concen: 424.462 ug/l

RT: 6.84 min Scan# 630

Delta R.T. -0.00 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

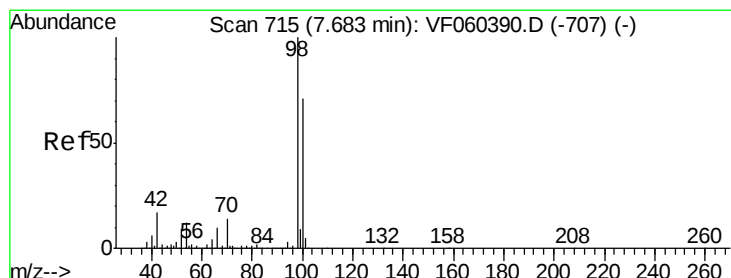
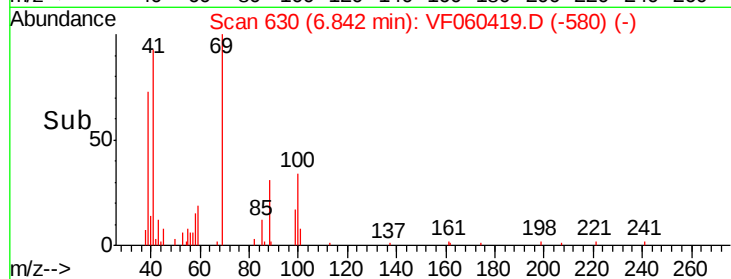
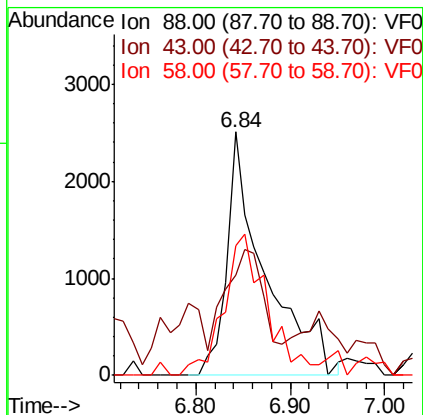
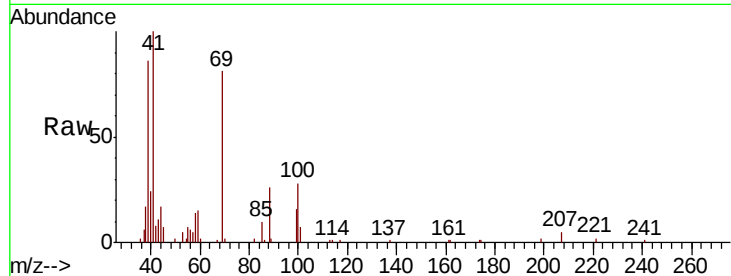
ClientSampleId :

VF1003SBS01

Tot Ion	88	Resp	7039
Ion	Ratio	Lower	Upper
88	100		
43	41.1	38.3	57.5
58	53.1	47.4	71.2

Manual Integrations
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#50

Toluene-d8

Concen: 50.381 ug/l

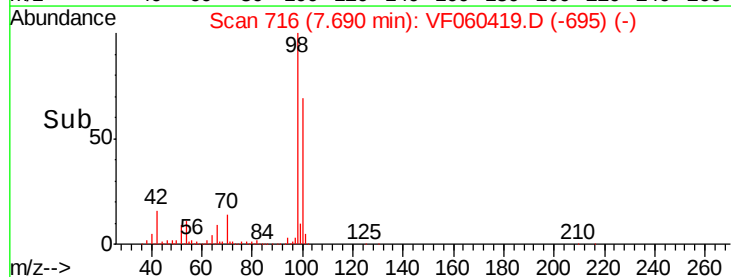
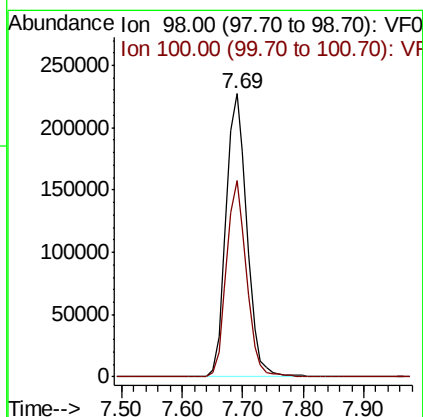
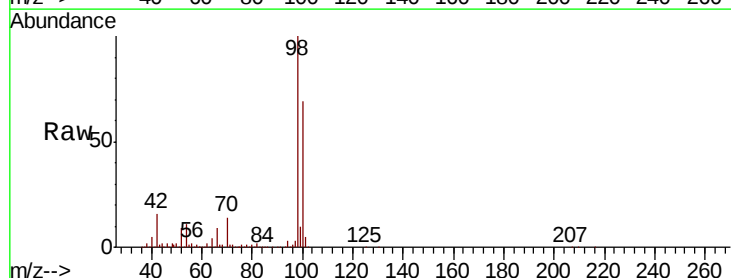
RT: 7.69 min Scan# 716

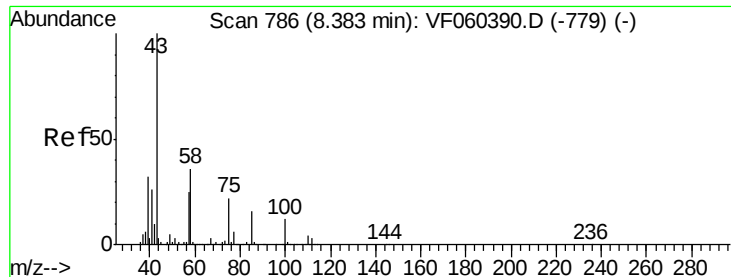
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion	98	Resp	547382
Ion	Ratio	Lower	Upper
98	100		
100	69.2	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 101.259 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 43 Resp: 193129

Ion Ratio Lower Upper

43 100

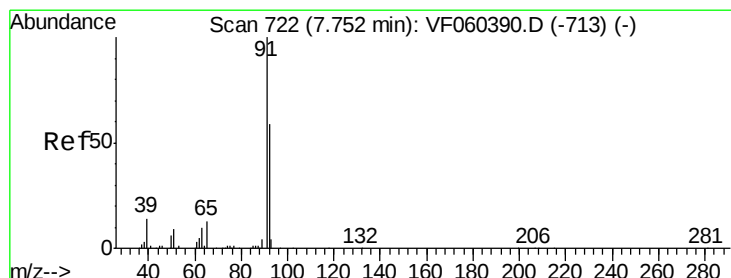
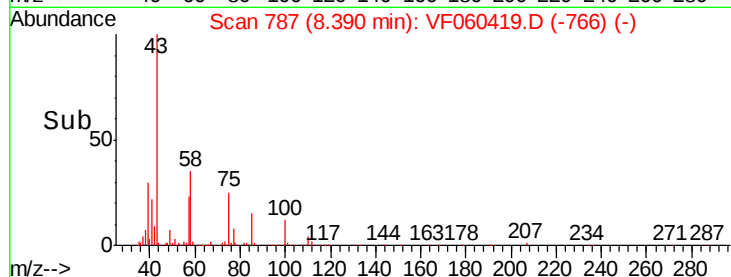
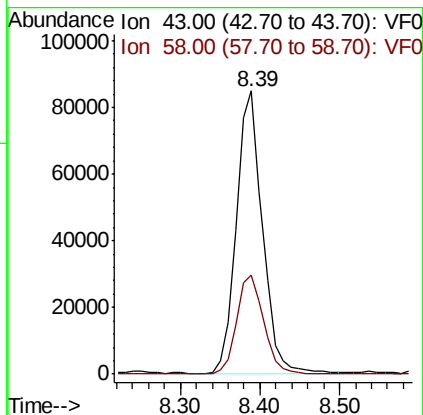
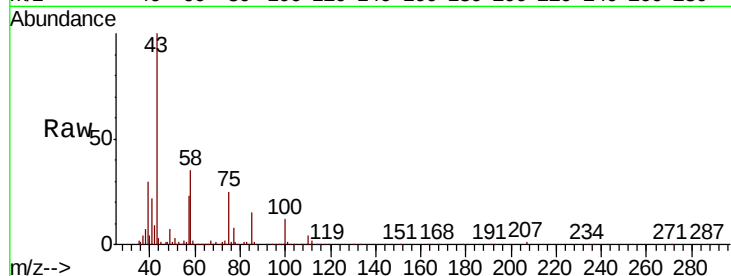
58 35.2 28.5 42.7

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#52

Toluene

Concen: 20.437 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060419.D

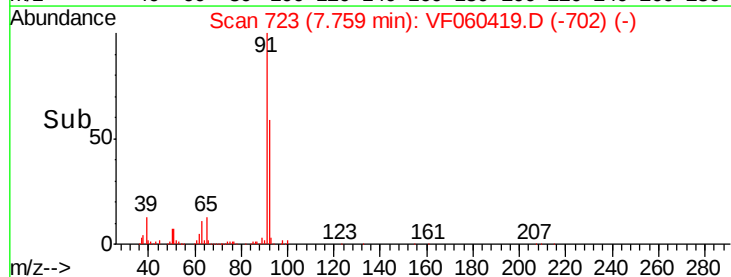
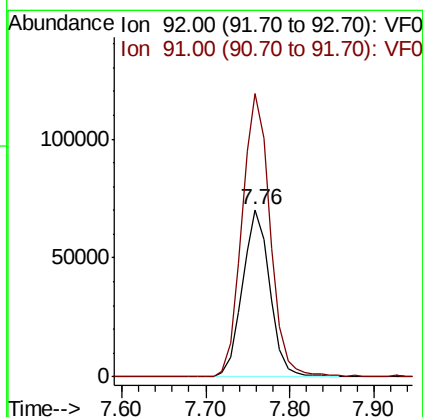
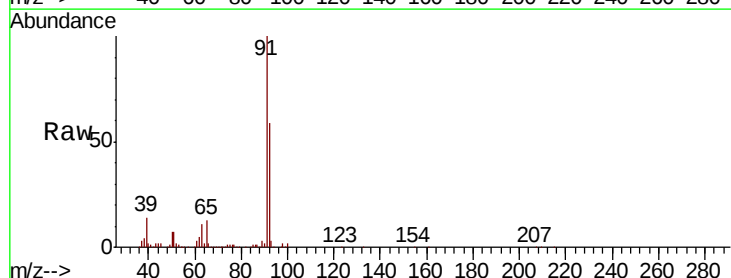
Acq: 3 Oct 2018 17:23

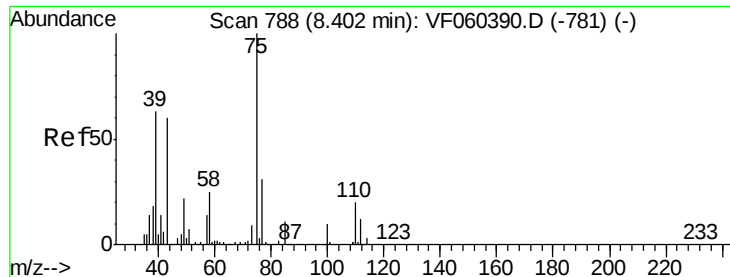
Tgt Ion: 92 Resp: 159550

Ion Ratio Lower Upper

92 100

91 169.6 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 20.463 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 75 Resp: 97745

Ion Ratio Lower Upper

75 100

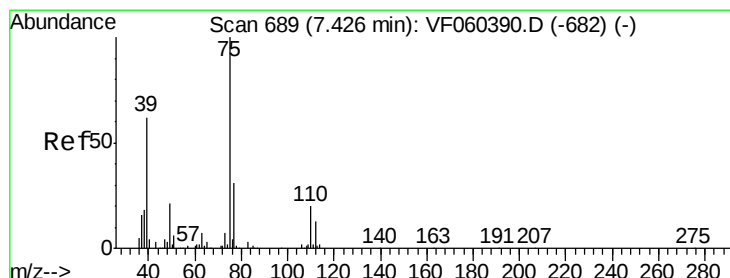
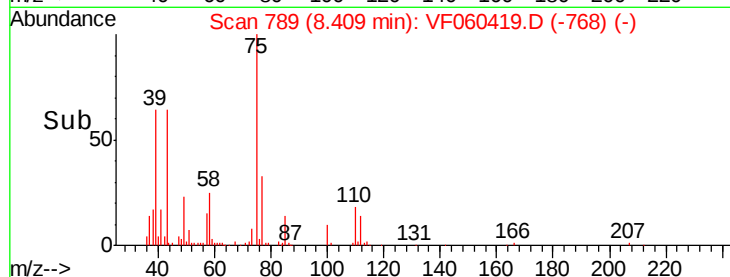
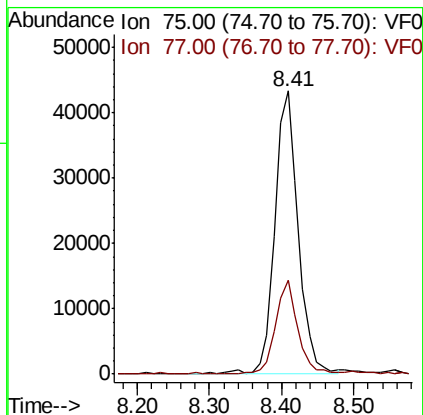
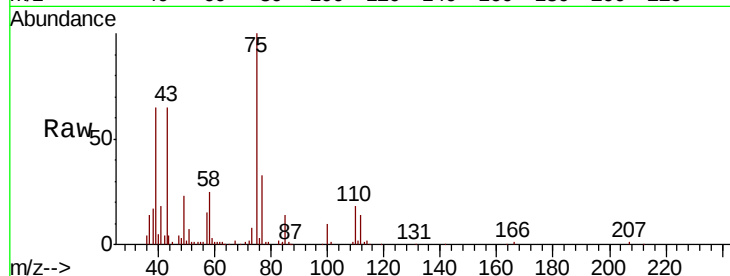
77 33.3 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 22.211 ug/l

RT: 7.43 min Scan# 690

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

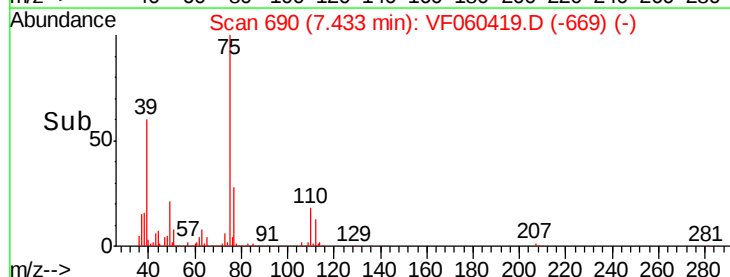
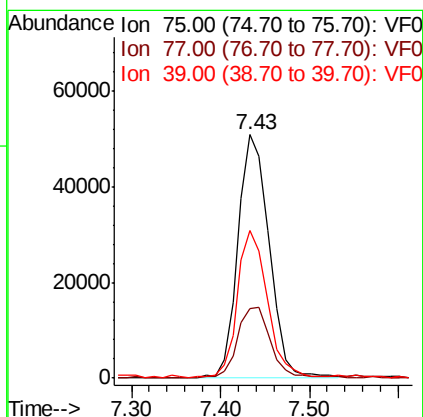
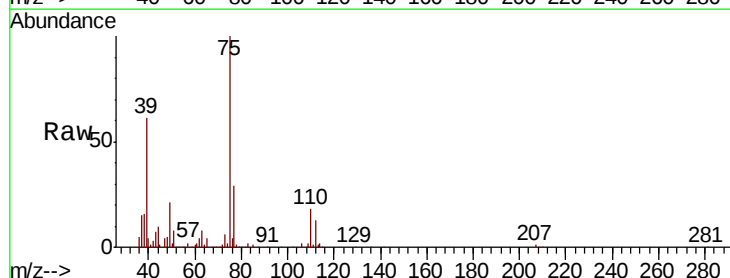
Tgt Ion: 75 Resp: 123994

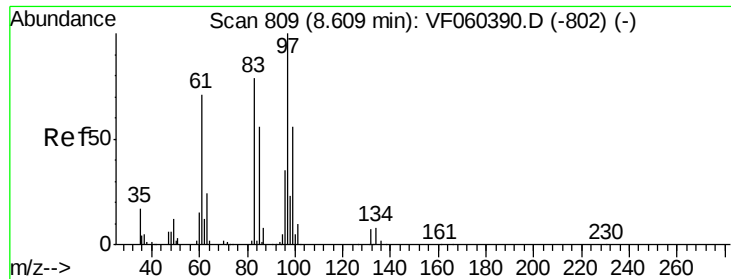
Ion Ratio Lower Upper

75 100

77 28.6 25.2 37.8

39 60.7 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 20.415 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

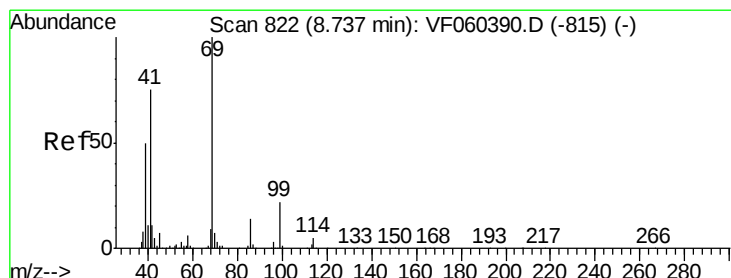
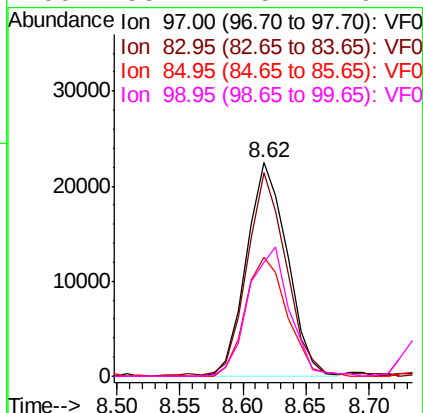
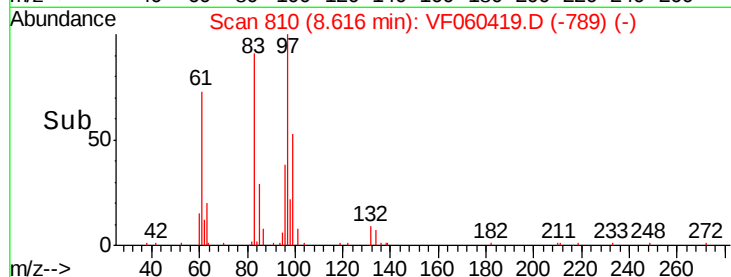
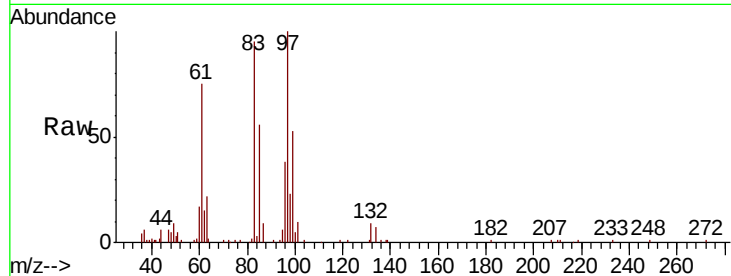
ClientSampleId :

VF1003SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	95.4	63.4	95.0#
85	55.7	44.5	66.7
99	53.4	45.1	67.7

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#56

Ethyl methacrylate

Concen: 20.095 ug/l

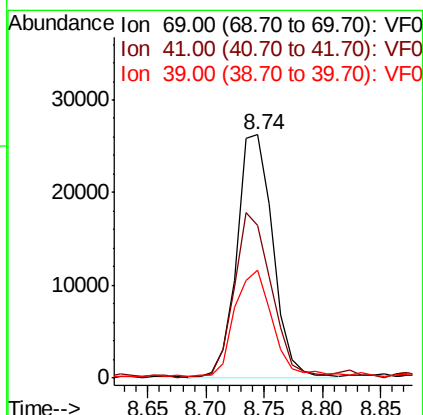
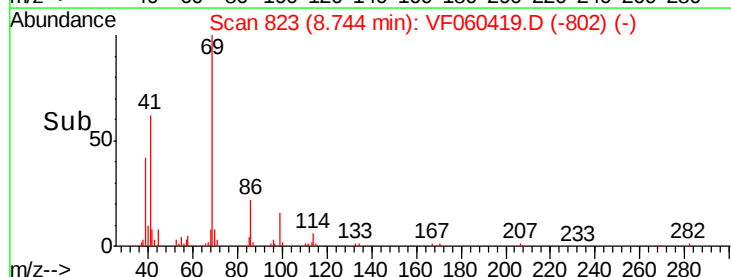
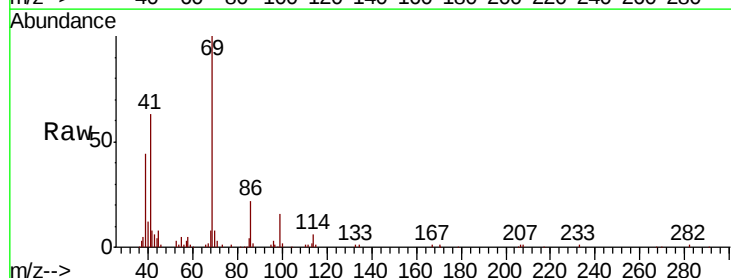
RT: 8.74 min Scan# 823

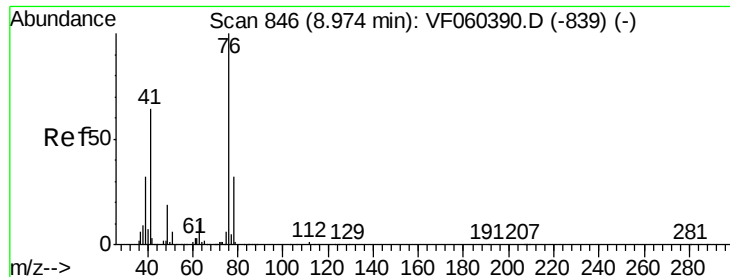
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	60.2	90.4
39	44.4	40.2	60.2





#57

1,3-Dichloropropane

Concen: 20.858 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 76 Resp: 87319

Ion Ratio Lower Upper

76 100

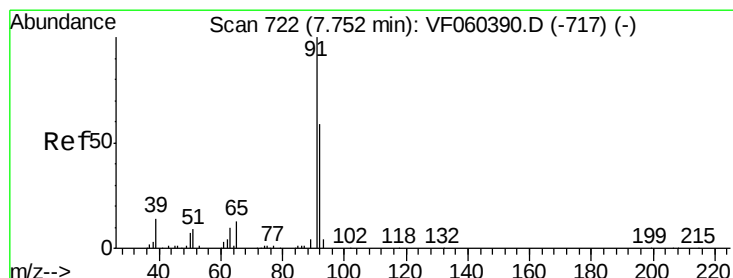
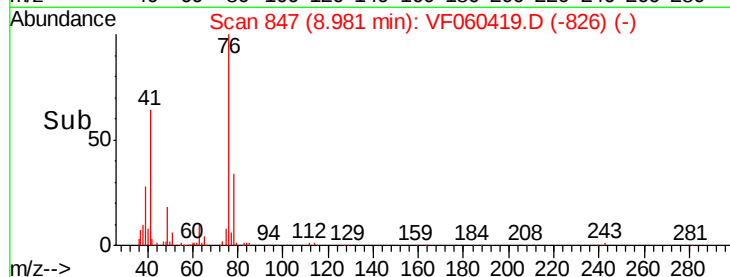
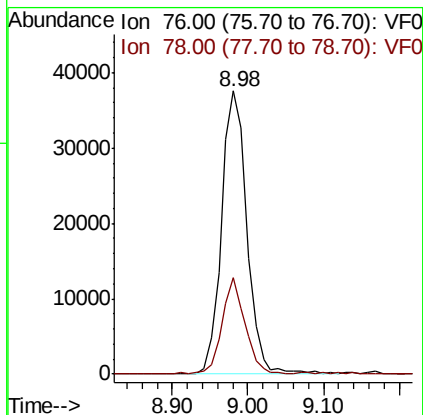
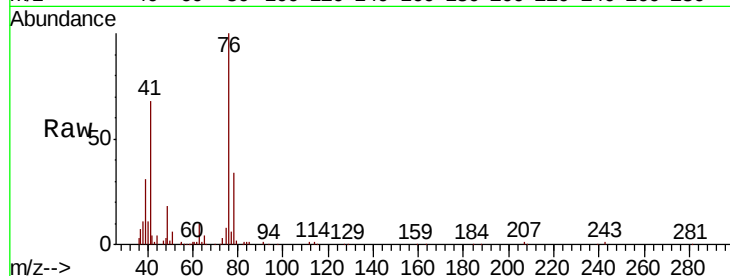
78 34.1 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 95.543 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060419.D

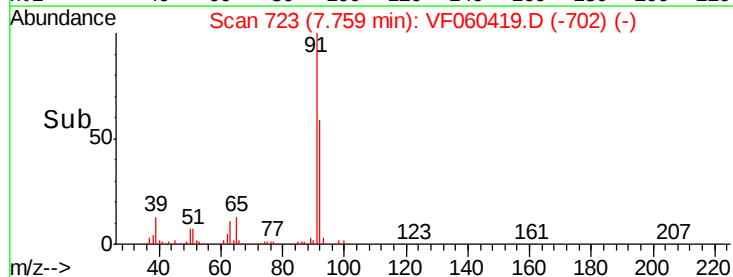
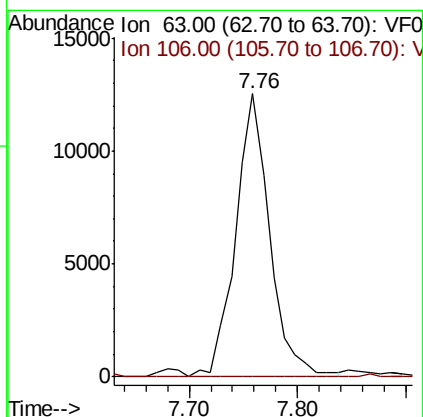
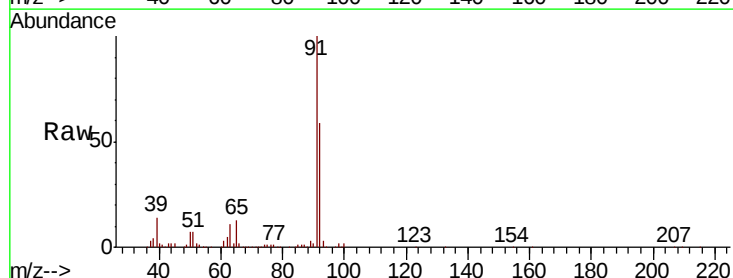
Acq: 3 Oct 2018 17:23

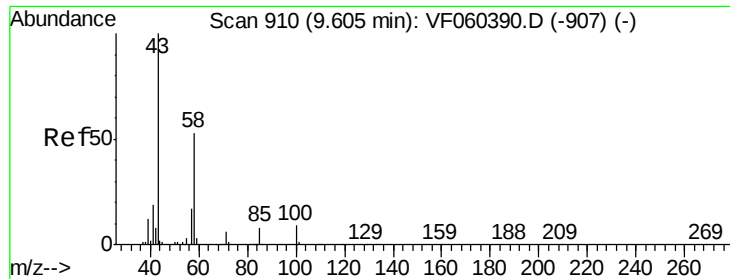
Tgt Ion: 63 Resp: 27442

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





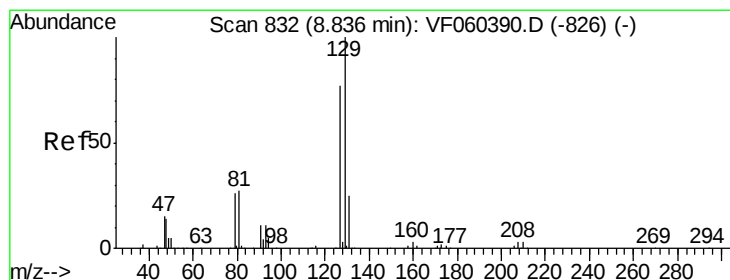
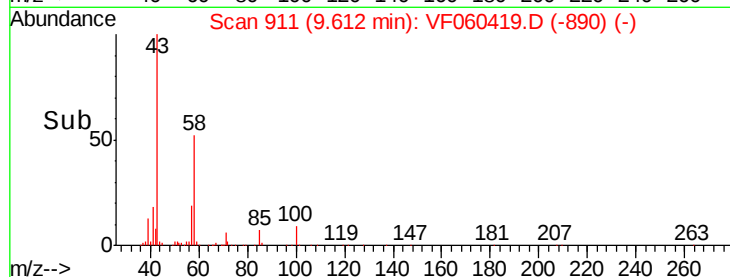
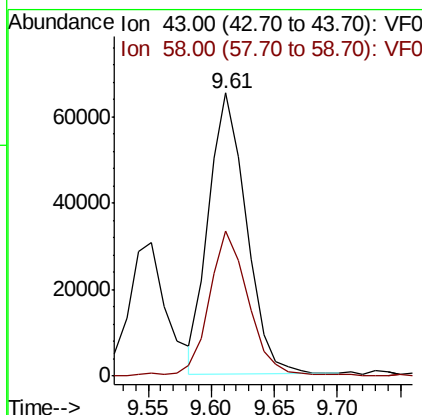
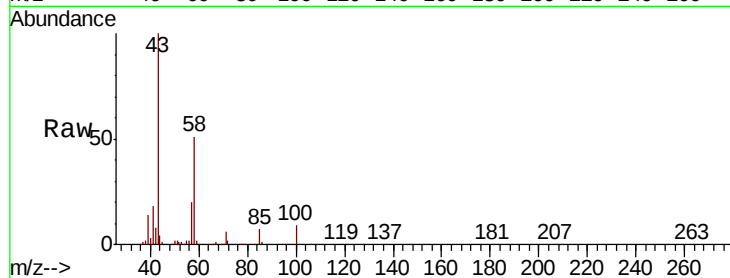
#59
2-Hexanone
Concen: 96.634 ug/l
RT: 9.61 min Scan# 911
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.6	76.6

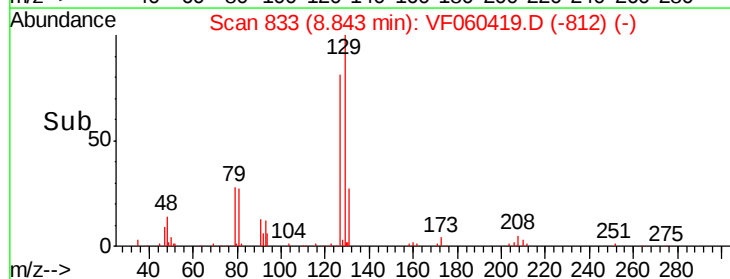
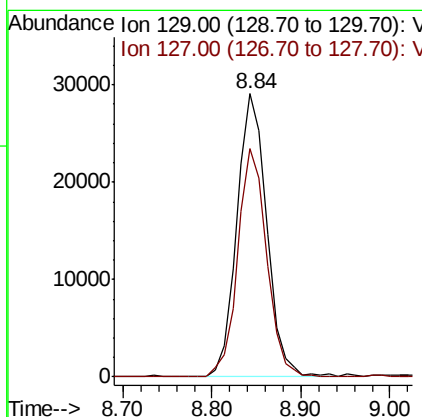
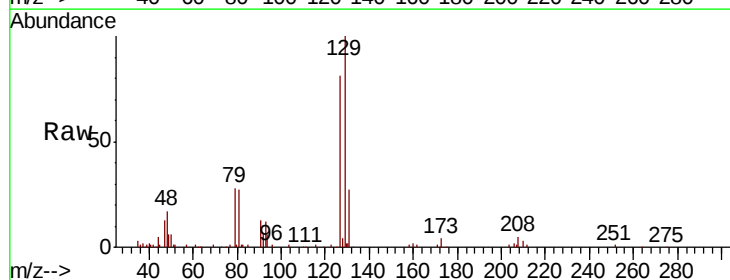
Manual Integrations
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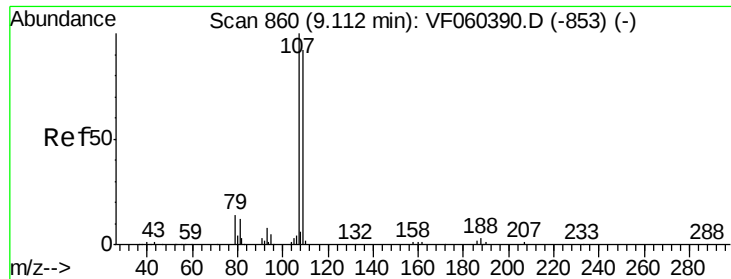
apatel
10/4/2018 2:05:13 PM



#60
Dibromochloromethane
Concen: 18.259 ug/l
RT: 8.84 min Scan# 833
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.6	38.3	114.8





#61

1,2-Dibromoethane

Concen: 20.213 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion:107 Resp: 54730

Ion Ratio Lower Upper

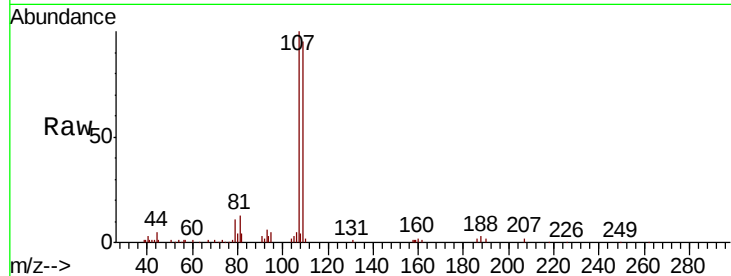
107 100

109 95.5 73.7 110.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

25000

20000

15000

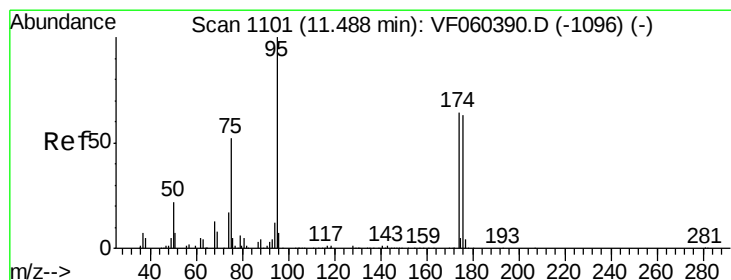
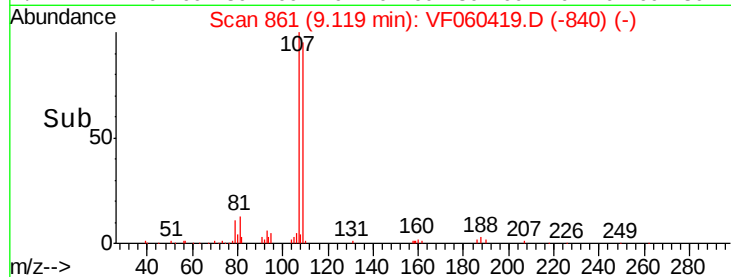
10000

5000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 50.690 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

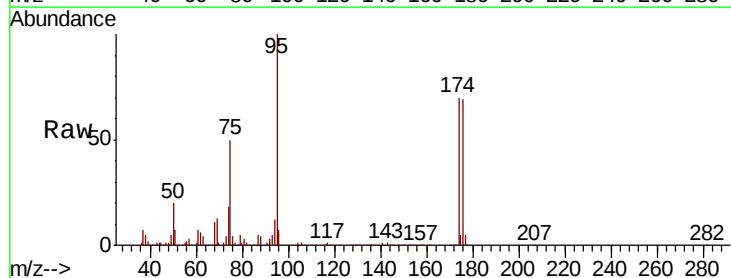
Tgt Ion: 95 Resp: 251466

Ion Ratio Lower Upper

95 100

174 70.0 0.0 129.0

176 69.4 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

200000

150000

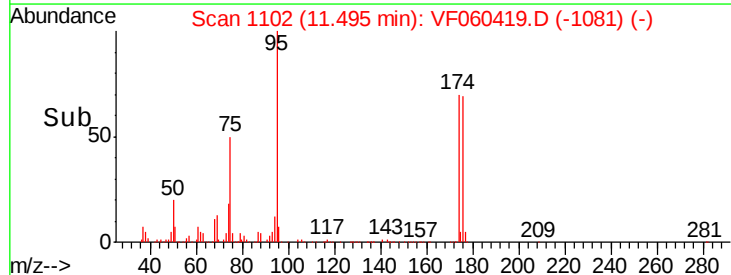
100000

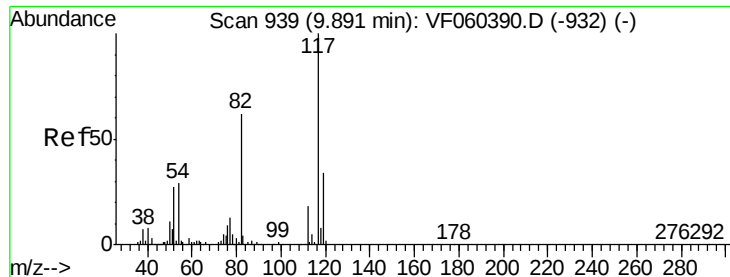
50000

0

11.40 11.50 11.60 11.70

Time-->





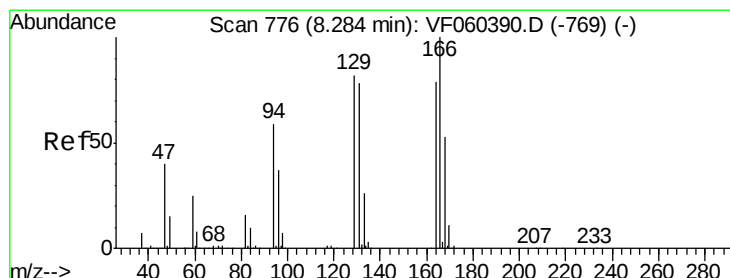
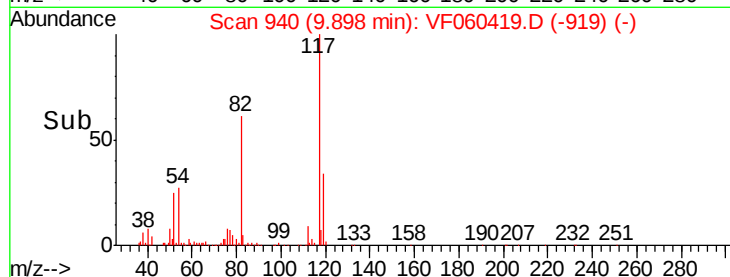
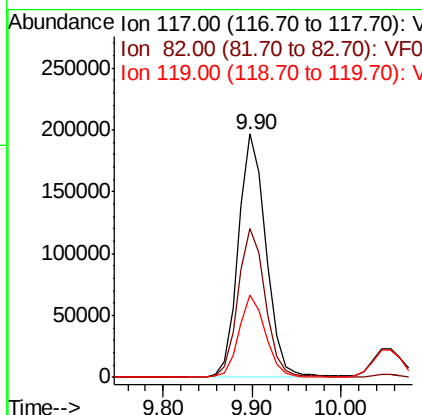
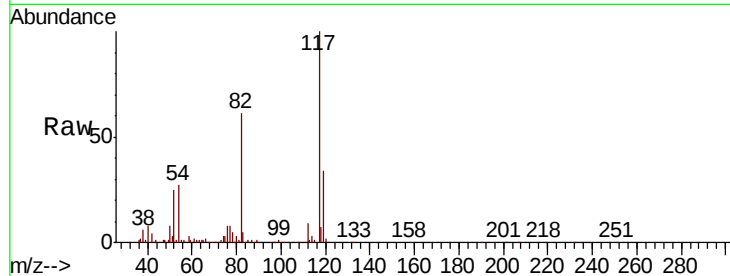
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	424315		
82	61.3	49.5	74.3	
119	33.7	27.0	40.6	

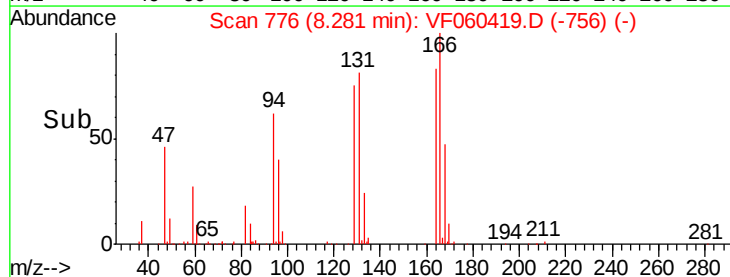
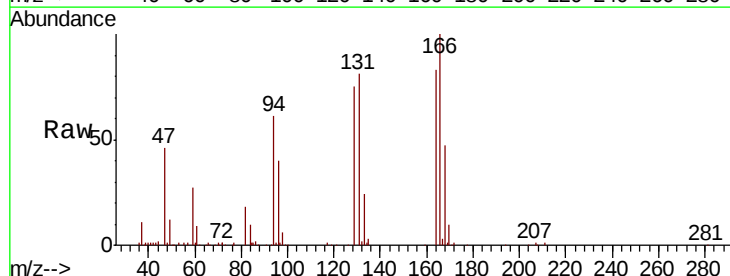
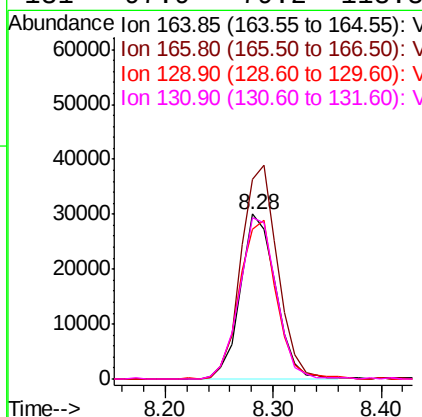
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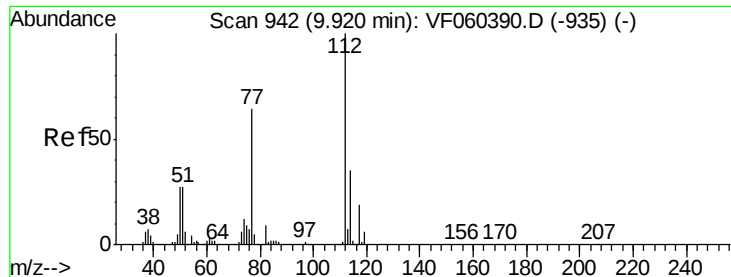
apatel
10/4/2018 2:05:13 PM



#64
Tetrachloroethene
Concen: 20.280 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68404		
166	121.1	101.0	151.6	
129	91.0	82.5	123.7	
131	97.9	79.2	118.8	





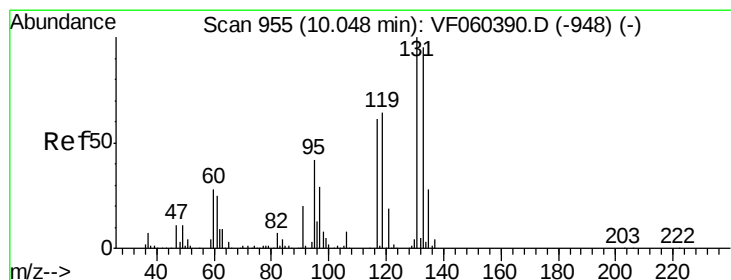
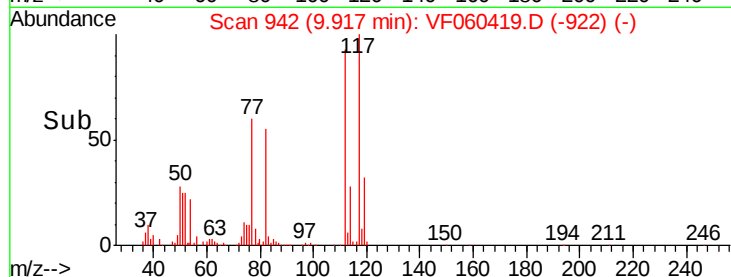
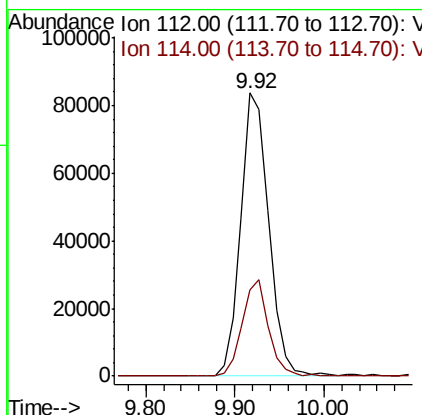
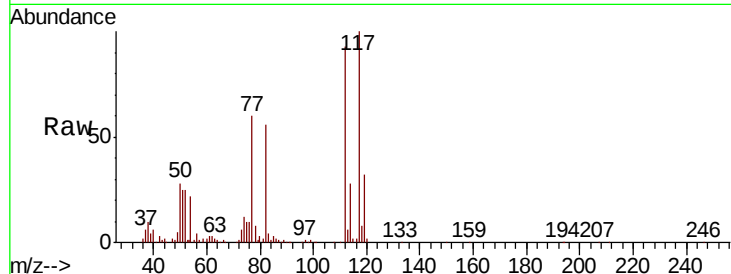
#65
Chlorobenzene
Concen: 21.004 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion:112 Resp: 183077
Ion Ratio Lower Upper
112 100
114 30.4 27.7 41.5

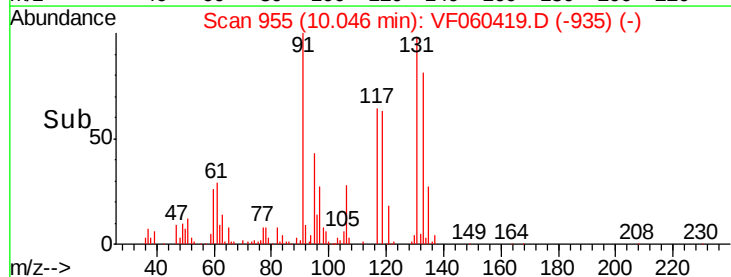
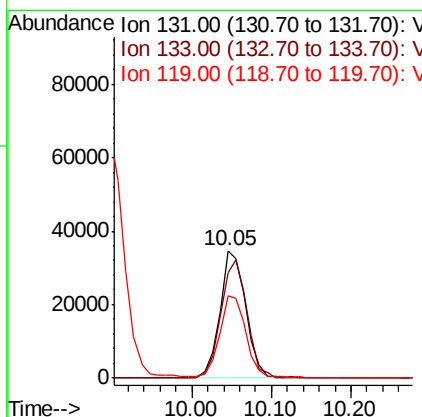
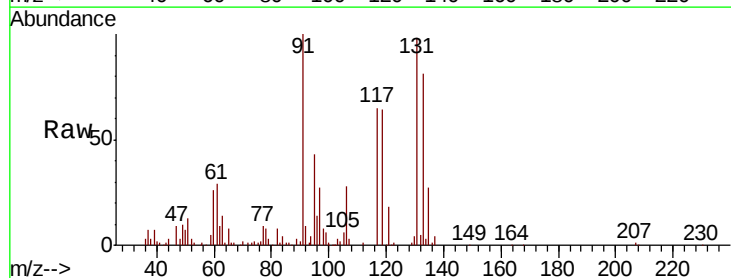
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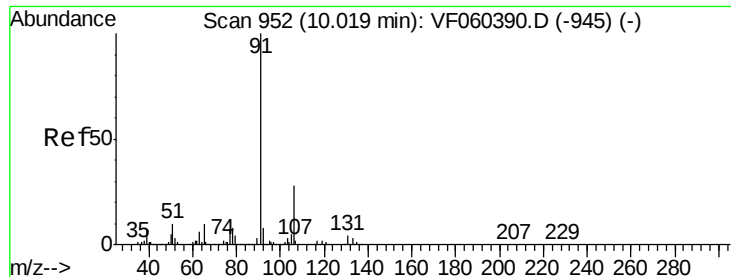
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.759 ug/l
RT: 10.05 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion:131 Resp: 79006
Ion Ratio Lower Upper
131 100
133 83.2 47.3 141.8
119 65.2 32.3 96.9





#67

Ethyl Benzene

Concen: 21.296 ug/l

RT: 10.03 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 91 Resp: 352931

Ion Ratio Lower Upper

91 100

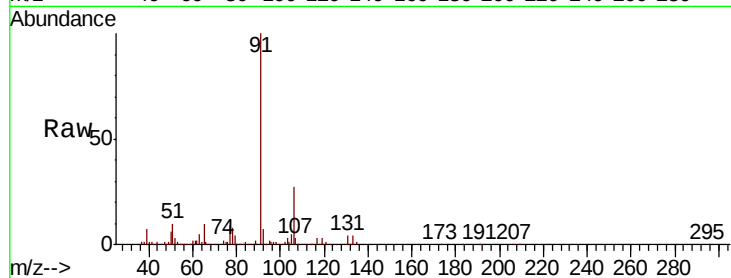
106 26.5 22.5 33.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

100000

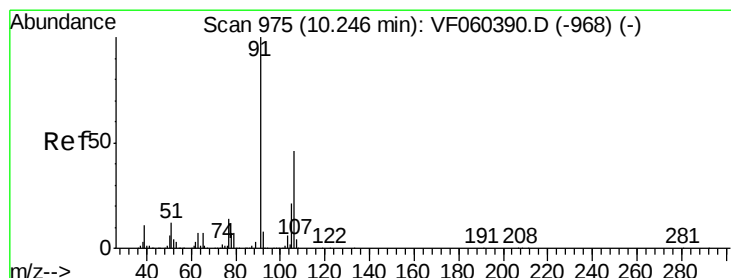
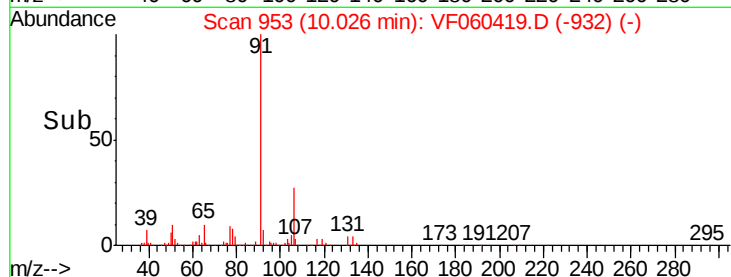
50000

0

10.00

10.20

Time-->



#68

m/p-Xylenes

Concen: 42.539 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.01 min

Lab File: VF060419.D

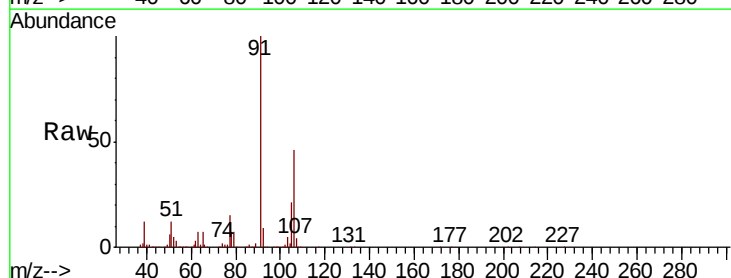
Acq: 3 Oct 2018 17:23

Tgt Ion: 106 Resp: 242353

Ion Ratio Lower Upper

106 100

91 217.9 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

100000

50000

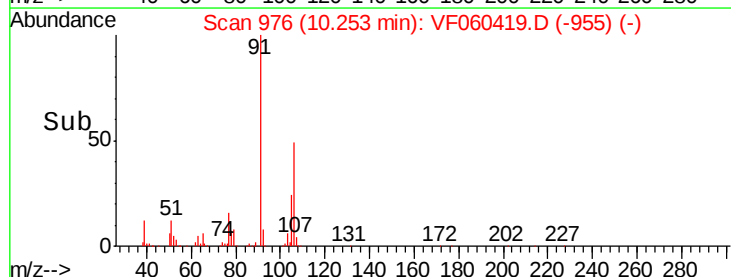
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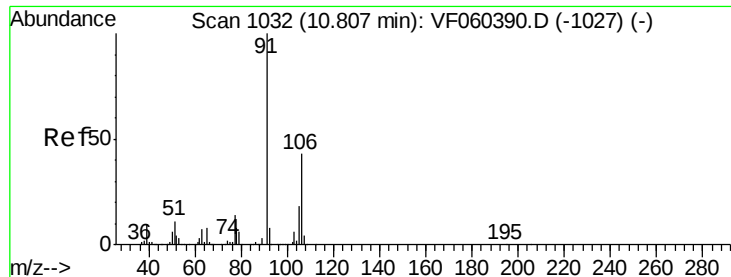
10.10

10.20

10.30

Time-->





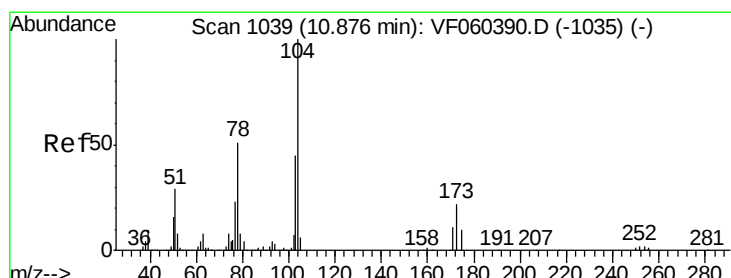
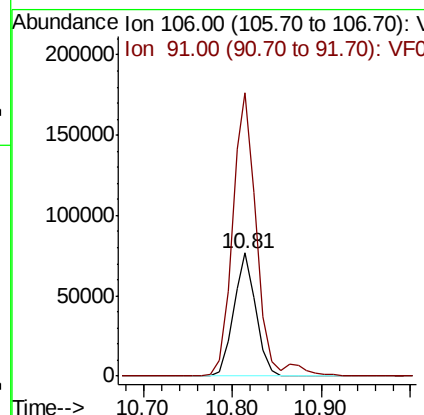
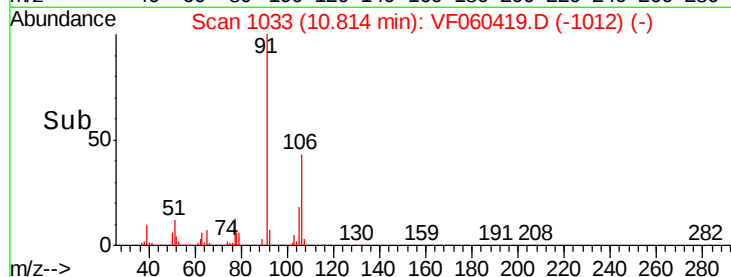
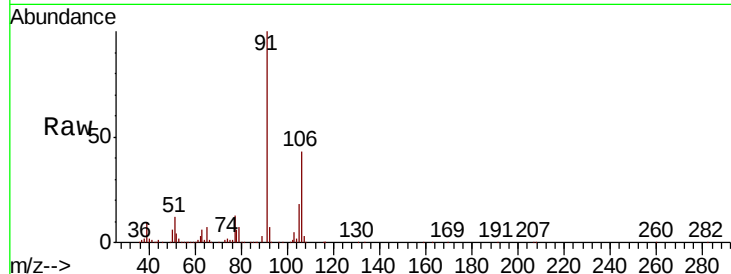
#69
o-Xylene
Concen: 21.868 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	135804		
91	91	230.2	115.1	345.2	

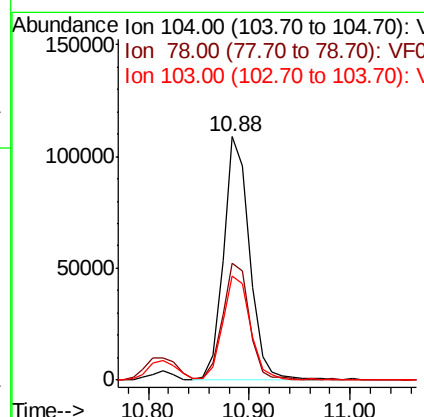
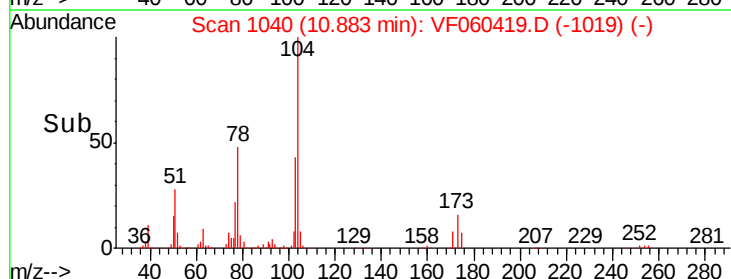
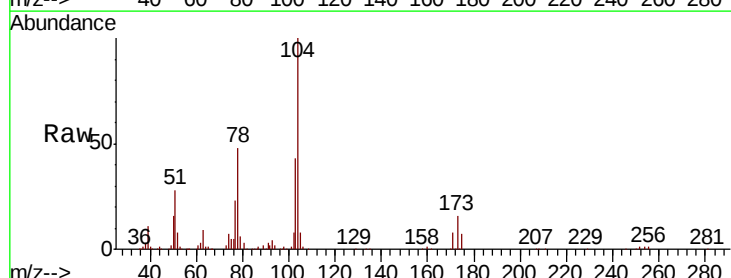
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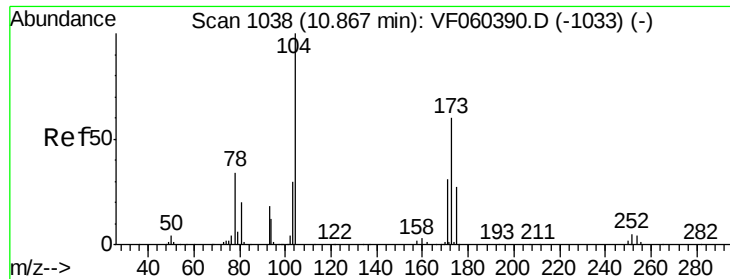
apatel
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#70
Styrene
Concen: 22.010 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	194419		
78	78	48.1	41.0	61.4	
103	103	42.8	36.4	54.6	





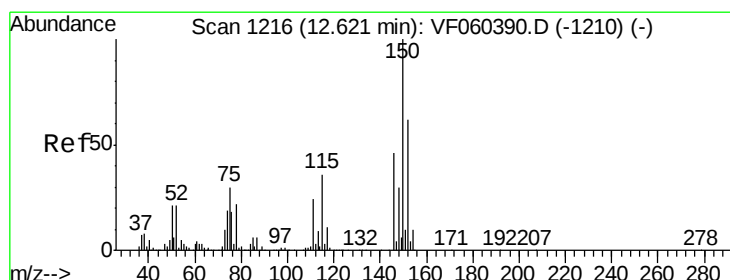
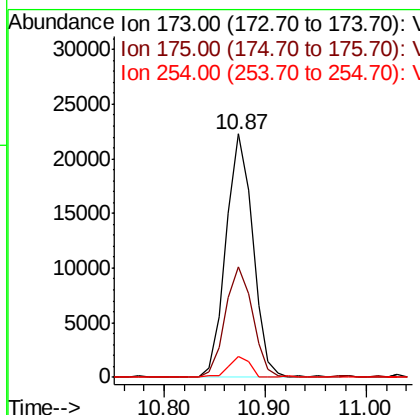
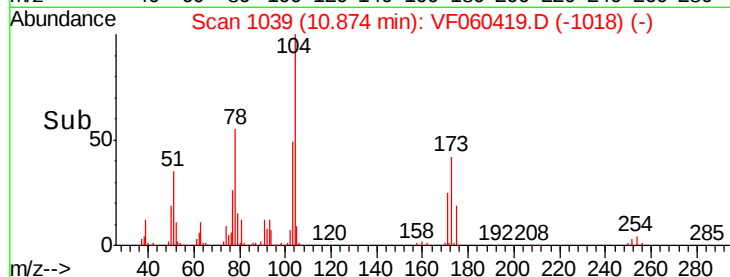
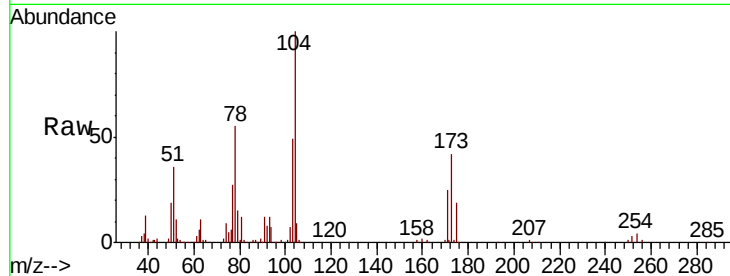
#71
Bromoform
Concen: 20.333 ug/l
RT: 10.87 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.2	22.1	66.1
254	8.8	0.0	0.0#

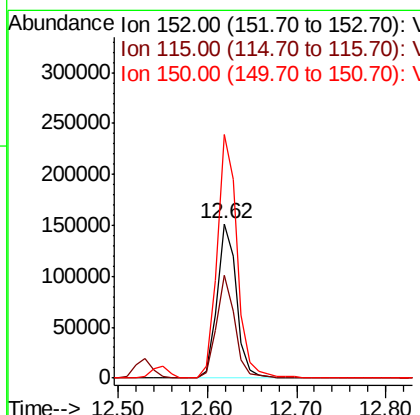
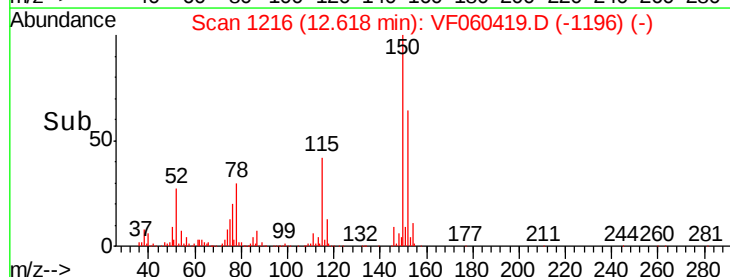
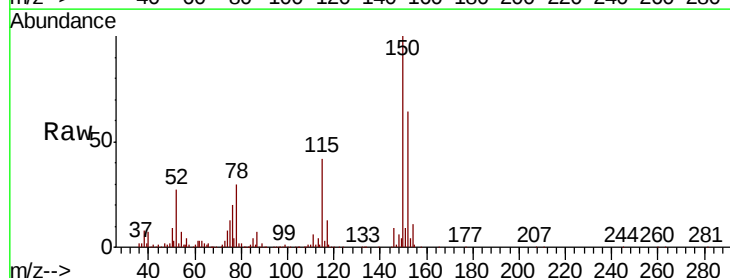
Manual Integrations
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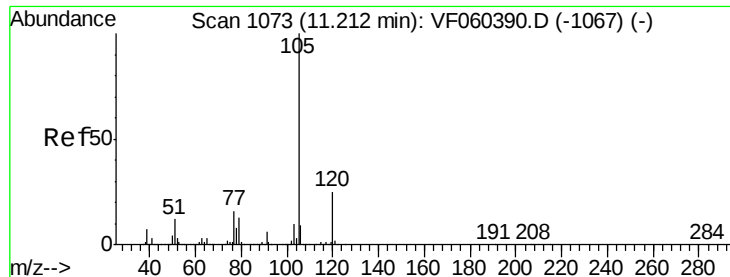
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.1	28.6	85.8
150	157.4	0.0	324.6





#73

Isopropylbenzene

Concen: 23.003 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleID :

VF1003SBS01

Tot Ion: 105 Resp: 419306

Ion Ratio Lower Upper

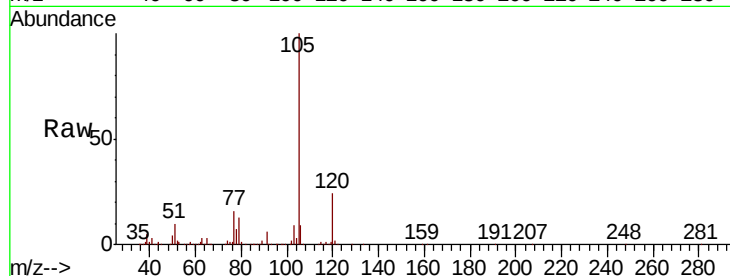
105 100

120 23.6 12.3 36.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

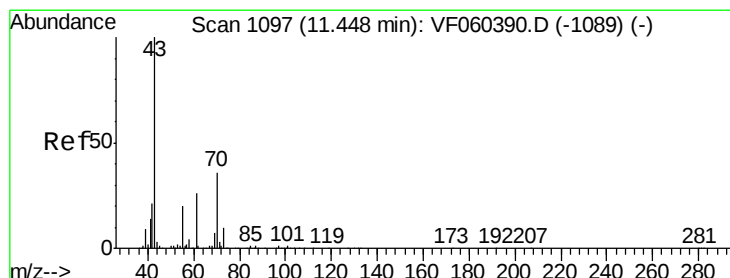
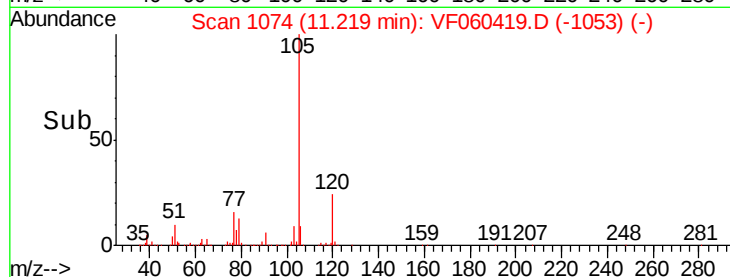
100000

50000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 17.764 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion: 43 Resp: 74317

Ion Ratio Lower Upper

43 100

70 35.8 29.1 43.7

55 20.0 16.3 24.5

61 23.3 21.0 31.4

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

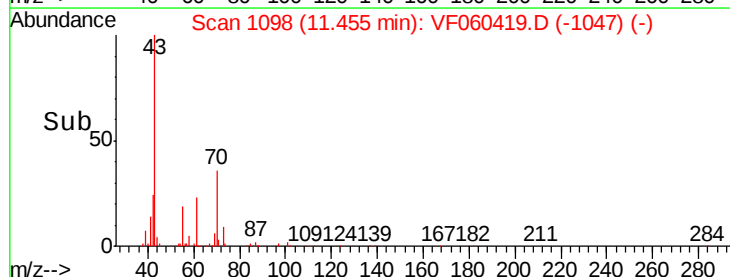
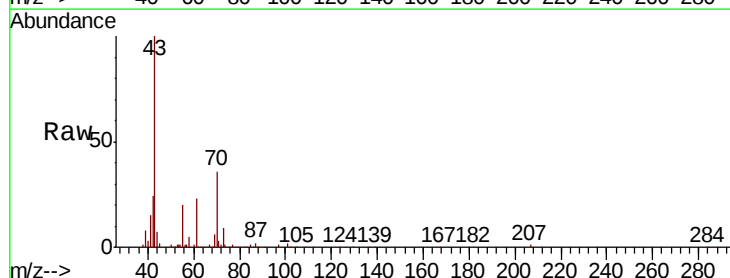
40000

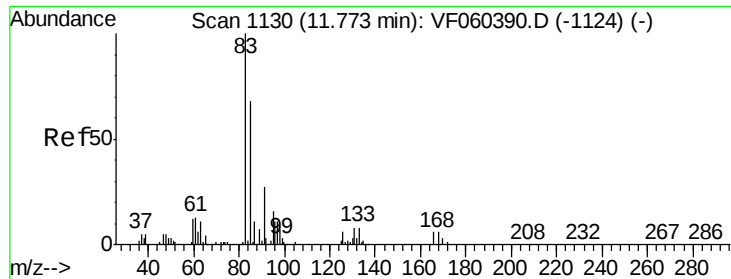
20000

0

11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.495 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

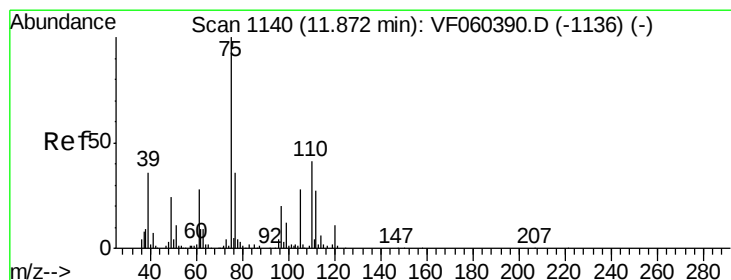
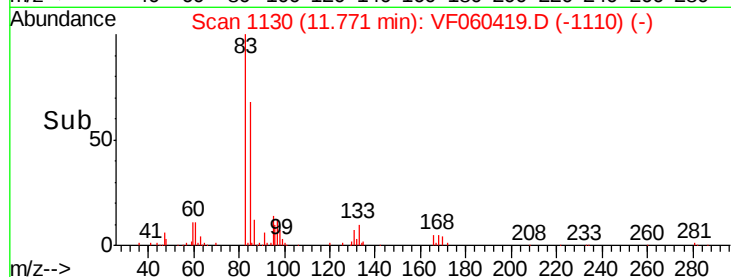
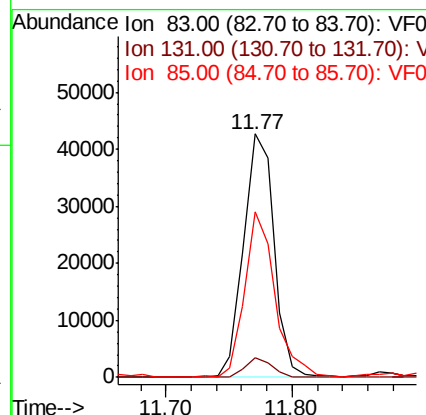
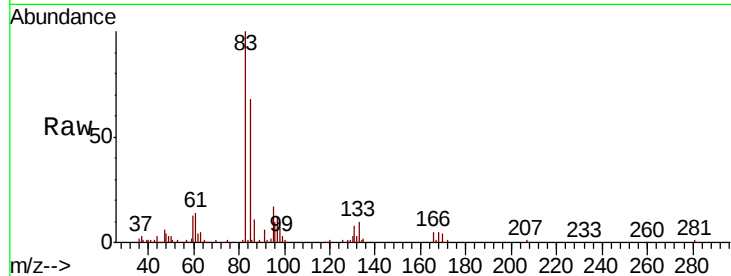
ClientSampleId :

VF1003SBS01

Tot Ion	83	Resp	71433
Ion	Ratio	Lower	Upper
83	100		
131	8.0	4.0	12.0
85	67.9	34.0	102.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.507 ug/l

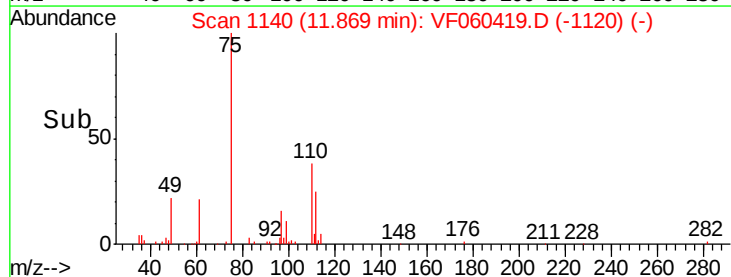
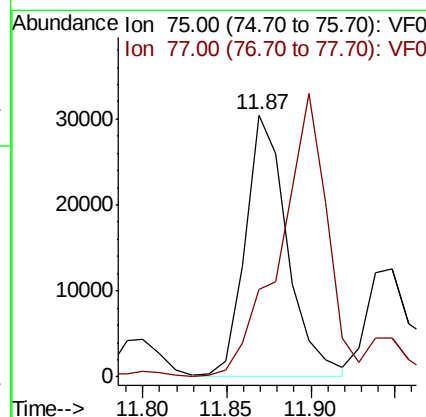
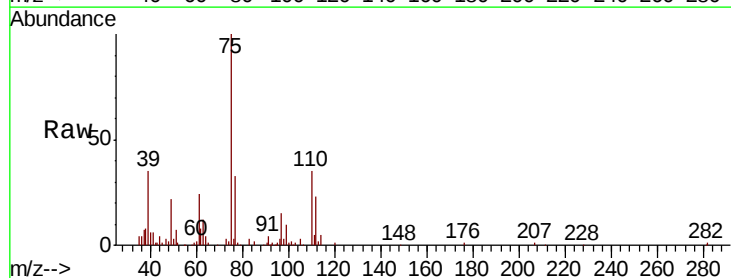
RT: 11.87 min Scan# 1140

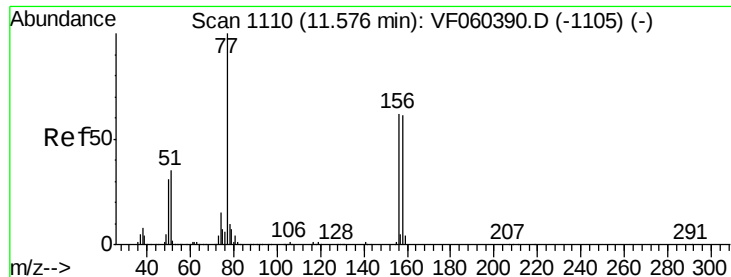
Delta R.T. -0.00 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion	75	Resp	52620
Ion	Ratio	Lower	Upper
75	100		
77	33.4	18.1	54.4





#77

Bromobenzene

Concen: 20.299 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

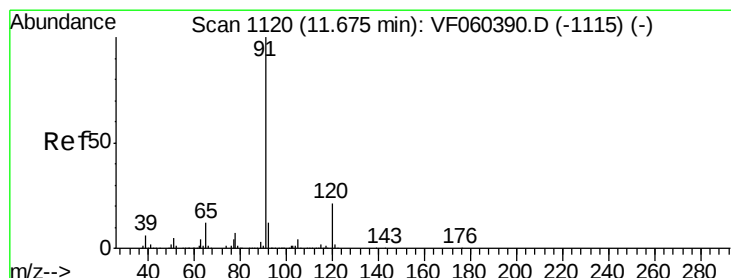
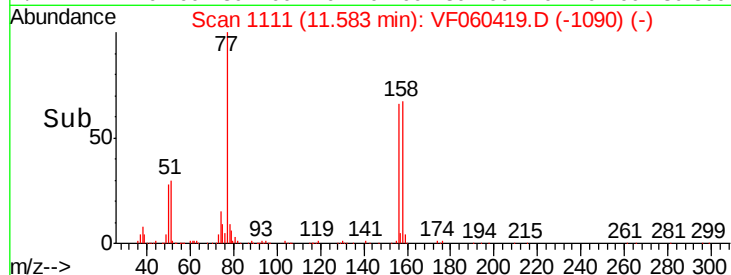
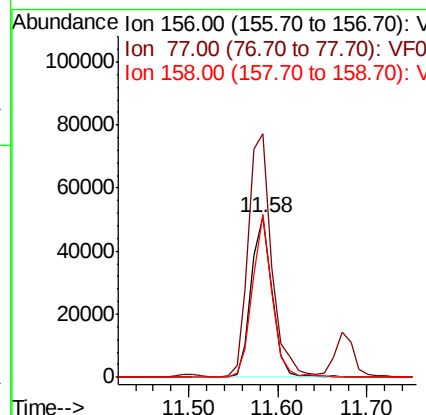
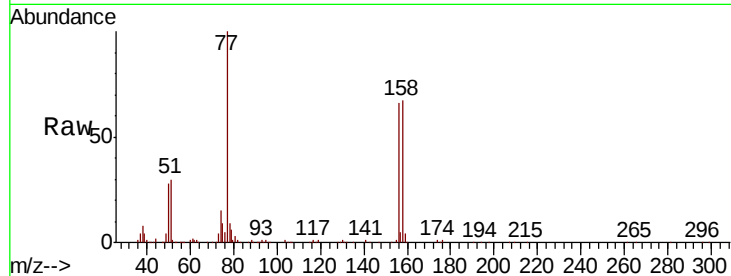
ClientSampleId :

VF1003SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	152.0	81.3	243.9	
158	102.1	49.6	149.0	

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#78

n-propylbenzene

Concen: 21.926 ug/l

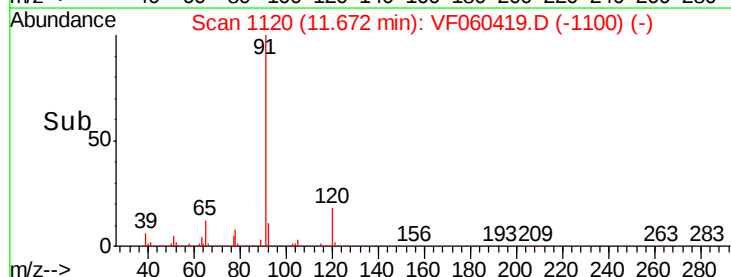
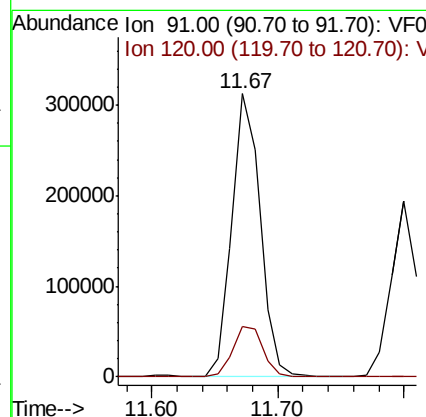
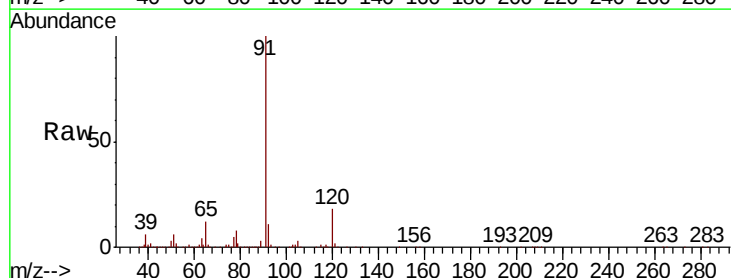
RT: 11.67 min Scan# 1120

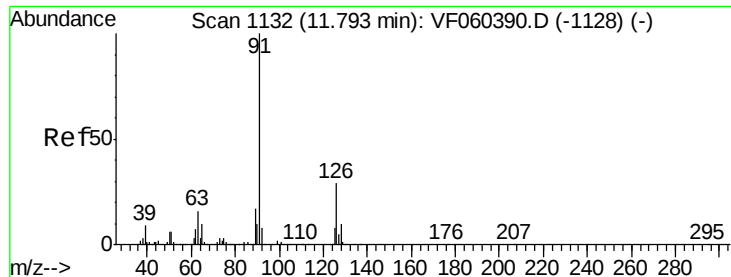
Delta R.T. -0.00 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	17.7	10.5	31.6	





#79

2-Chlorotoluene

Concen: 21.910 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

VF1003SBS01

Tot Ion: 91 Resp: 283220

Ion Ratio Lower Upper

91 100

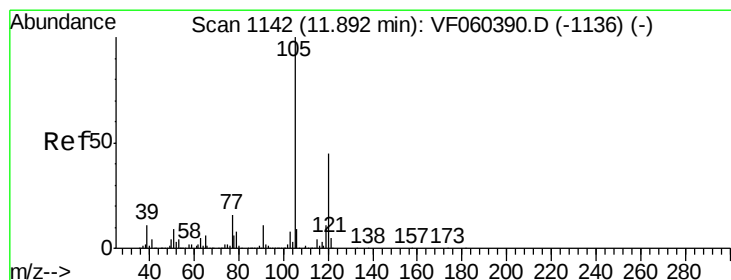
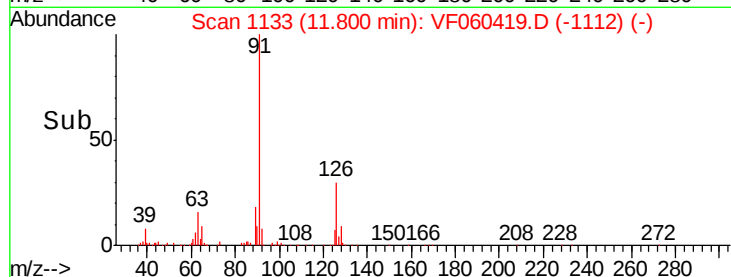
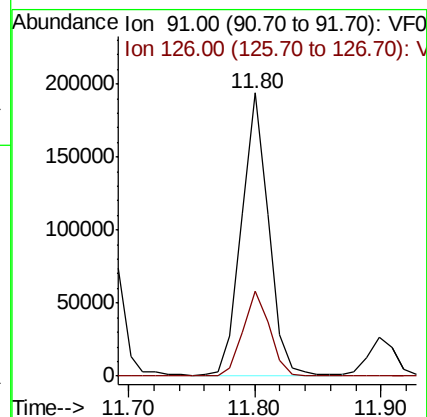
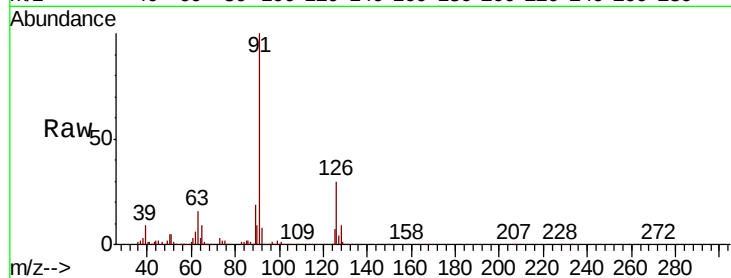
126 30.0 14.4 43.4

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#80

1,3,5-Trimethylbenzene

Concen: 22.731 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060419.D

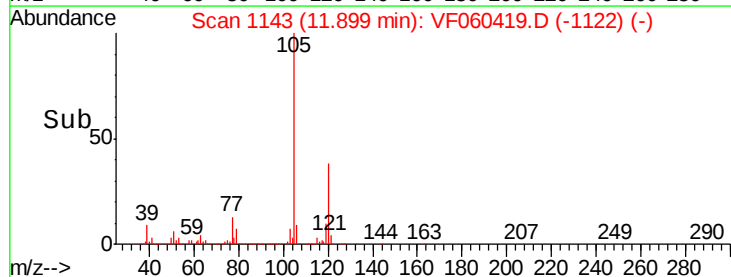
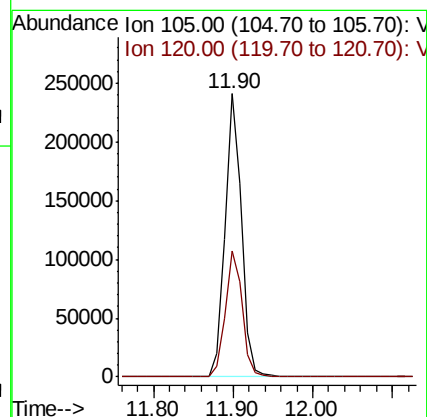
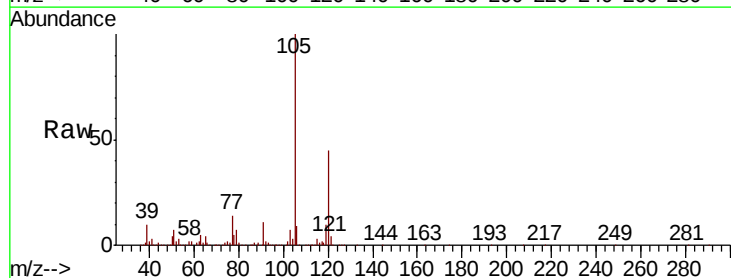
Acq: 3 Oct 2018 17:23

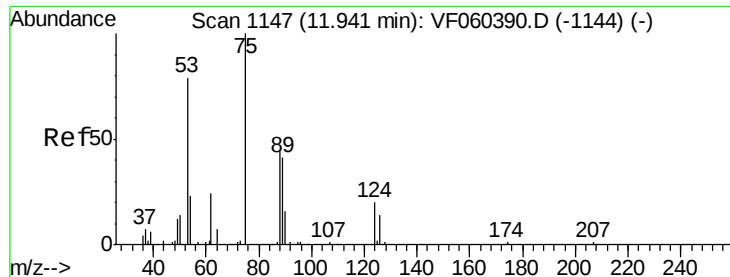
Tgt Ion:105 Resp: 352038

Ion Ratio Lower Upper

105 100

120 44.7 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 21.359 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

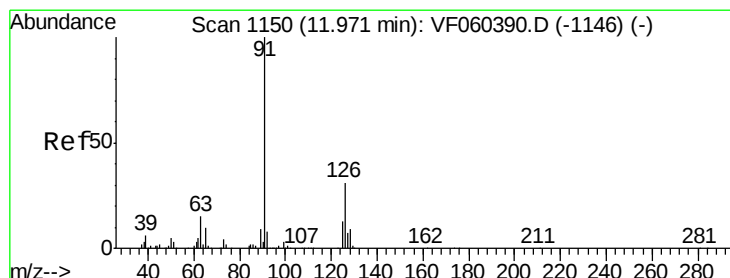
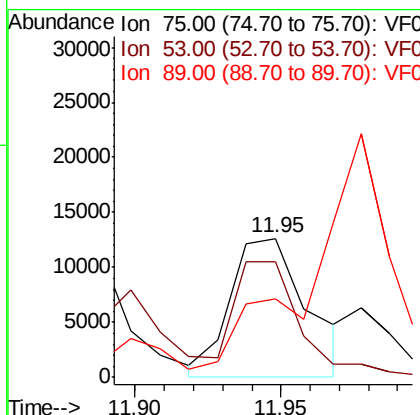
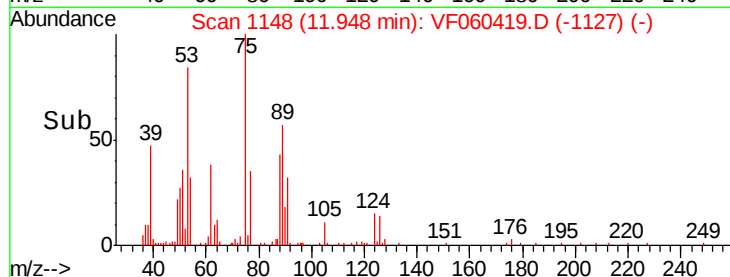
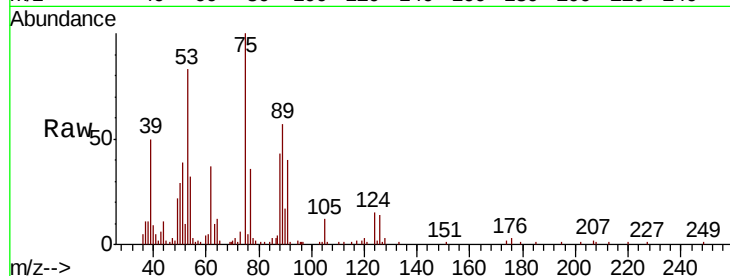
ClientSampleId :

VF1003SBS01

Tot Ion:	75	Resp:	23165
Ion Ratio	Lower	Upper	
75	100		
53	83.4	67.8	101.8
89	56.6	36.7	55.1#

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#82

4-Chlorotoluene

Concen: 21.563 ug/l

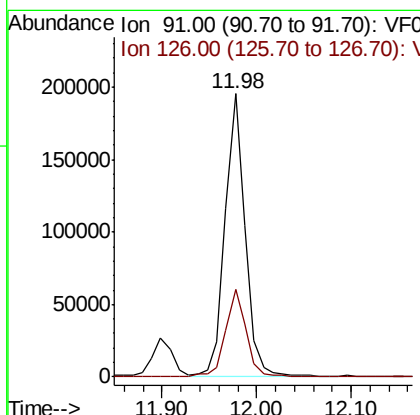
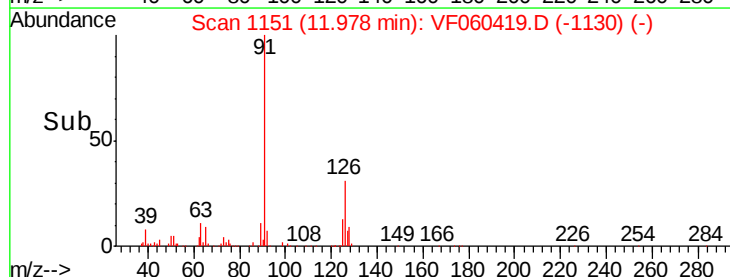
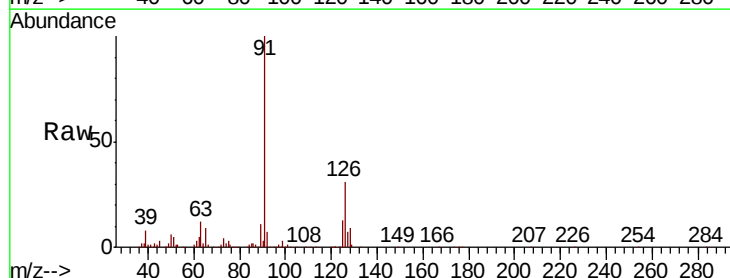
RT: 11.98 min Scan# 1151

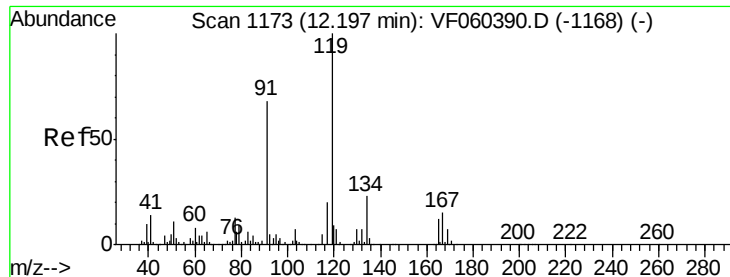
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	91	Resp:	285194
Ion Ratio	Lower	Upper	
91	100		
126	31.1	15.7	47.0





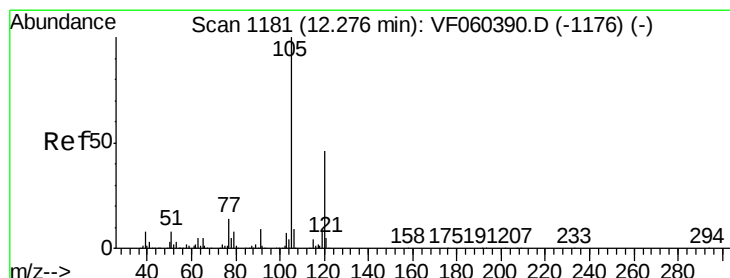
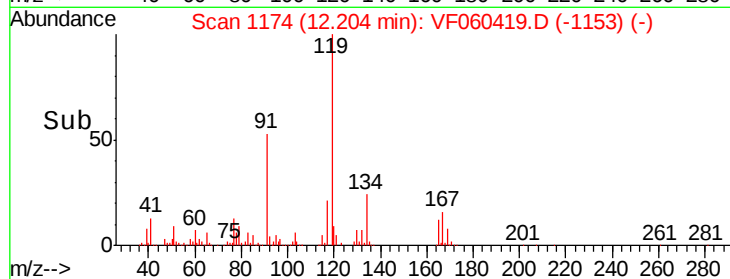
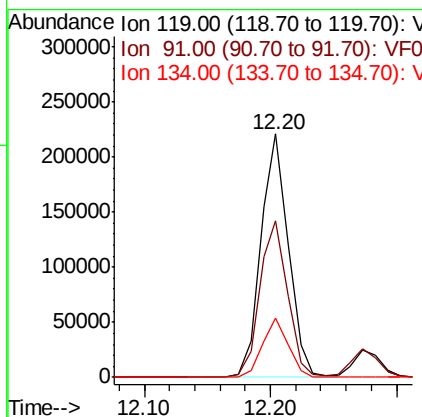
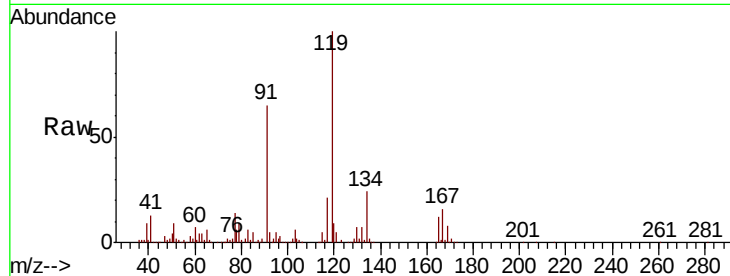
#83
 tert-Butylbenzene
 Concen: 21.983 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	34.0	102.0
134	24.4	11.7	35.0

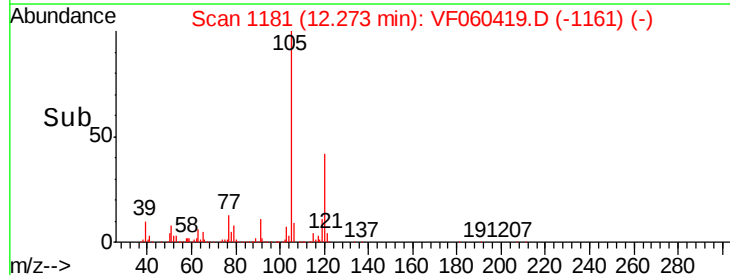
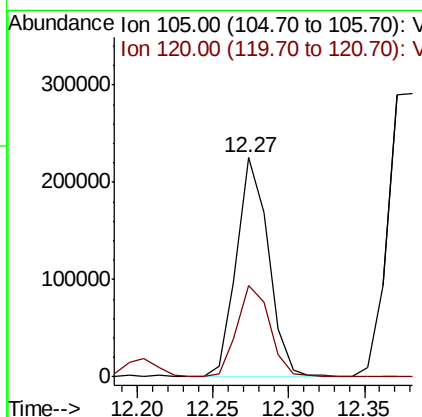
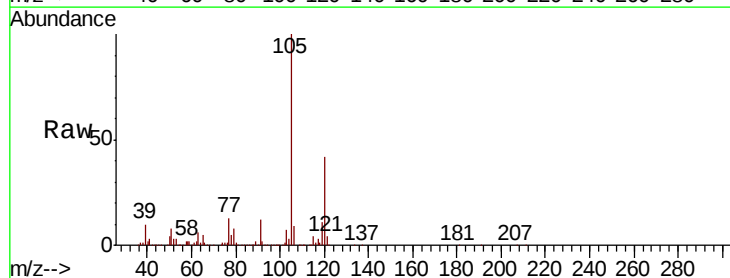
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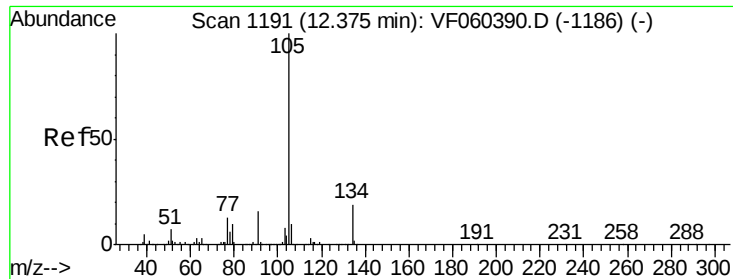
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.648 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.0	23.1	69.2





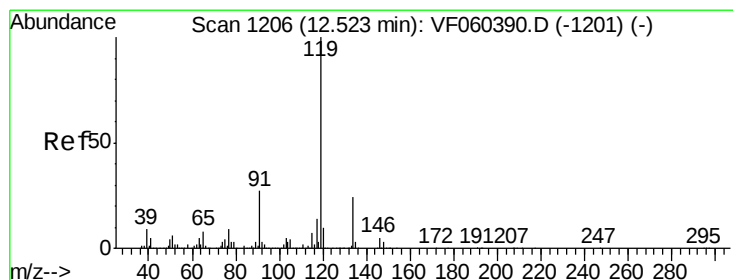
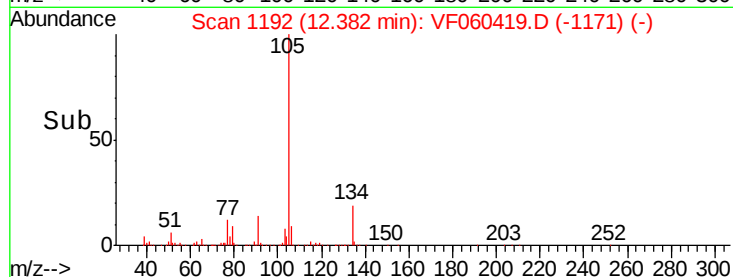
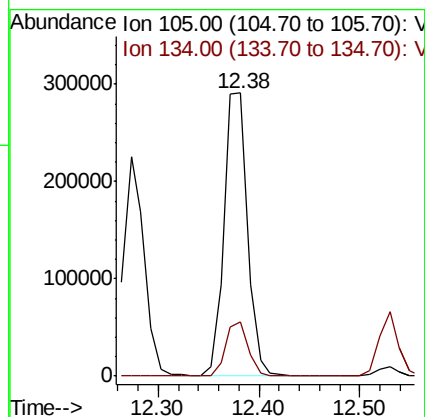
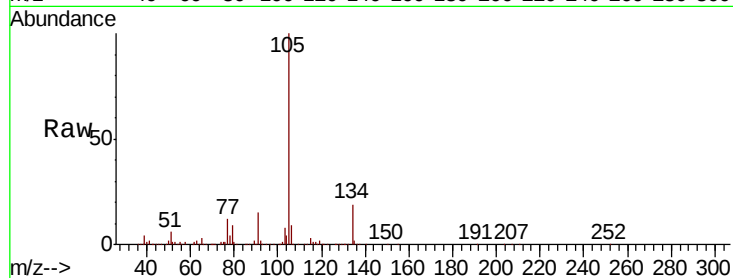
#85
 sec-Butylbenzene
 Concen: 22.416 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	472626		
134	19.1	9.4	28.3	

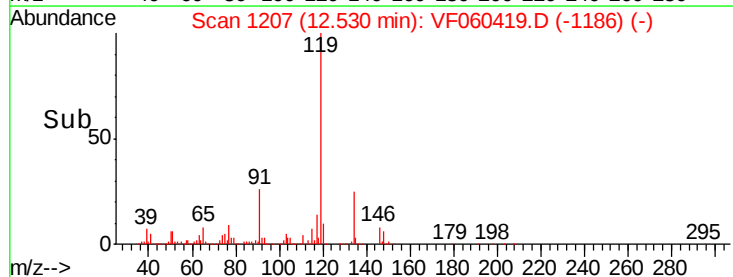
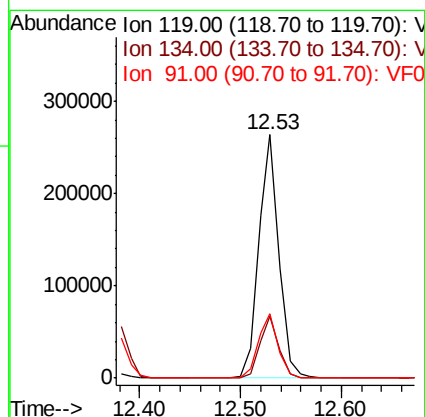
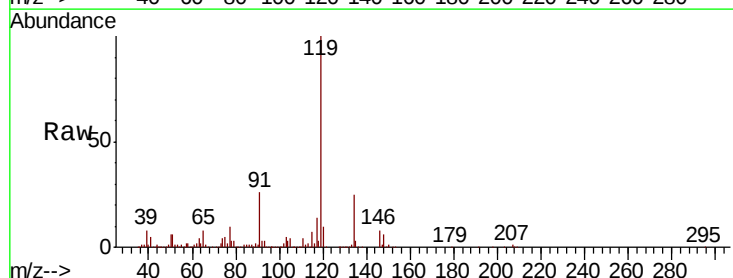
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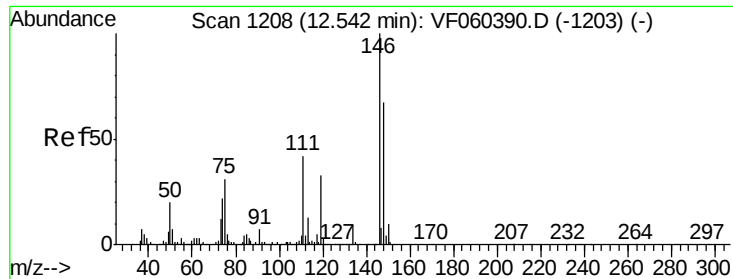
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#86
 p-Isopropyltoluene
 Concen: 21.314 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	367141		
134	25.2	12.3	36.8	
91	26.4	13.5	40.4	





#87

1,3-Dichlorobenzene

Concen: 21.543 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

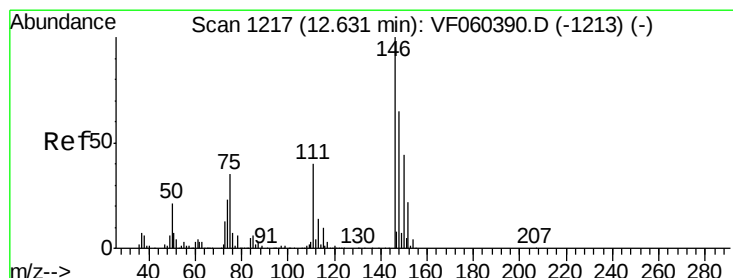
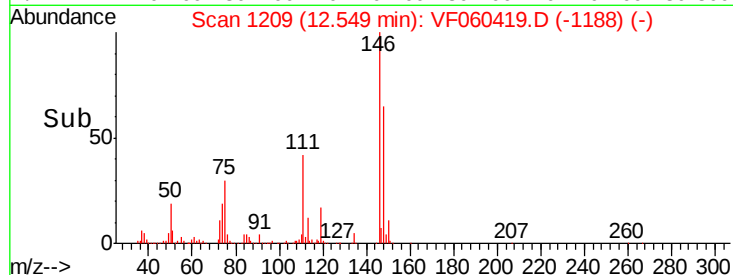
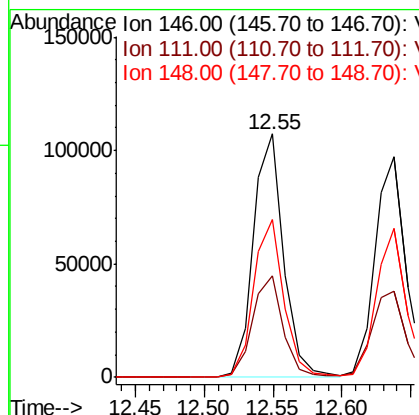
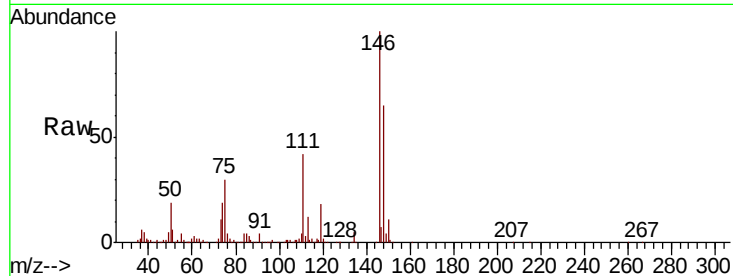
ClientSampleId :

VF1003SBS01

Tot Ion:	146	Resp:	165183
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.9	62.7
148	65.1	33.6	100.8

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#88

1,4-Dichlorobenzene

Concen: 20.148 ug/l

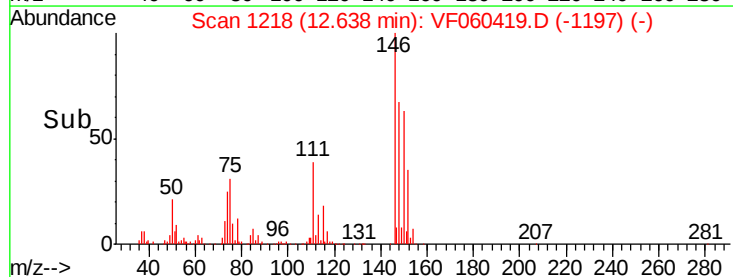
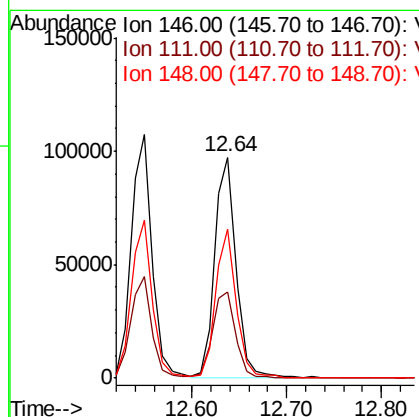
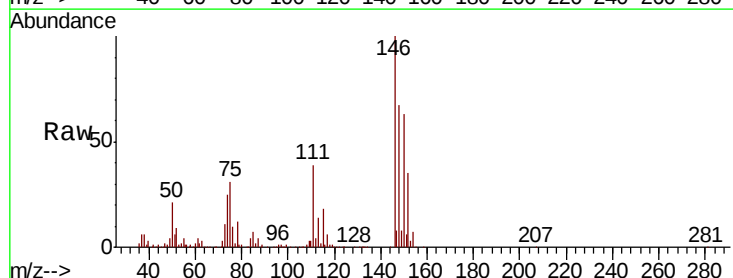
RT: 12.64 min Scan# 1218

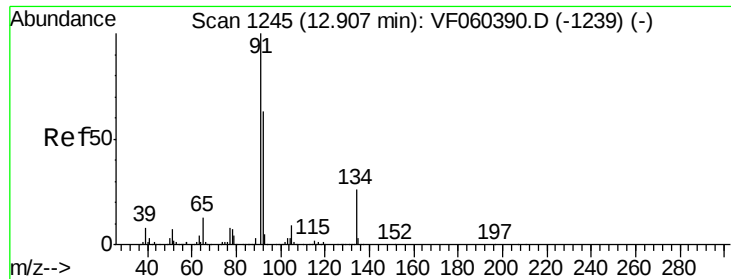
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	146	Resp:	152337
Ion Ratio	Lower	Upper	
146	100		
111	39.0	20.2	60.6
148	67.4	32.6	97.8





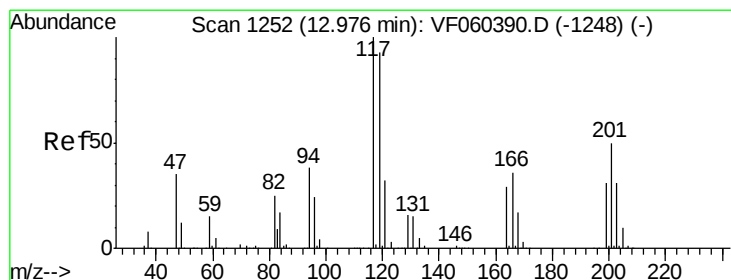
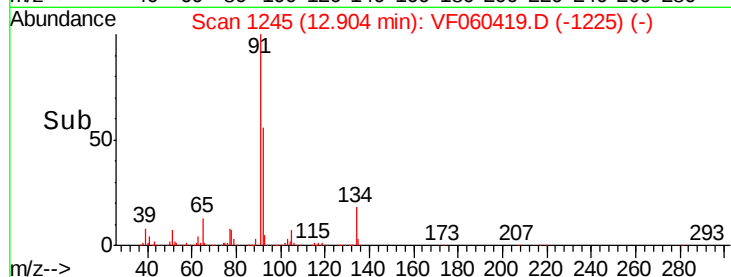
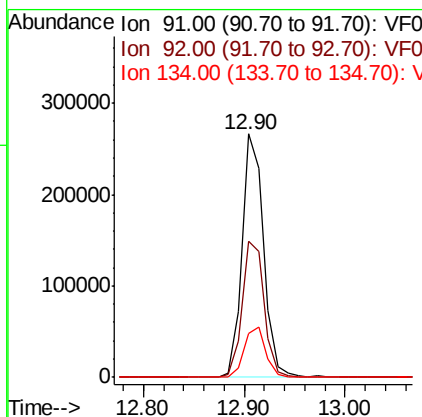
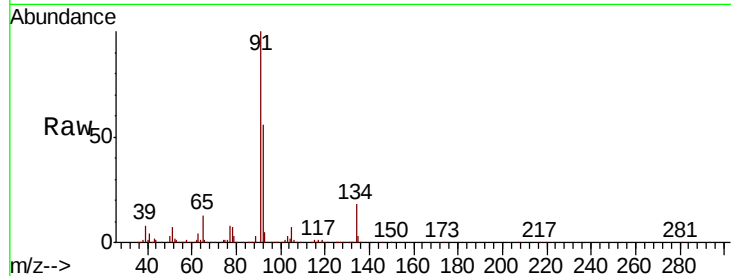
#89
n-Butylbenzene
Concen: 21.569 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.7	31.3	93.9
134	17.8	13.0	38.9

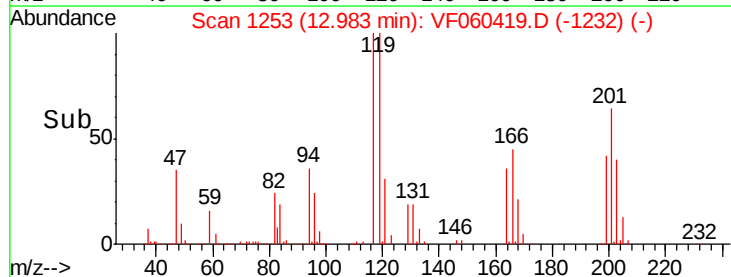
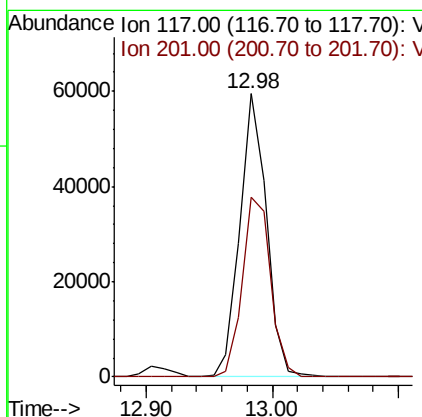
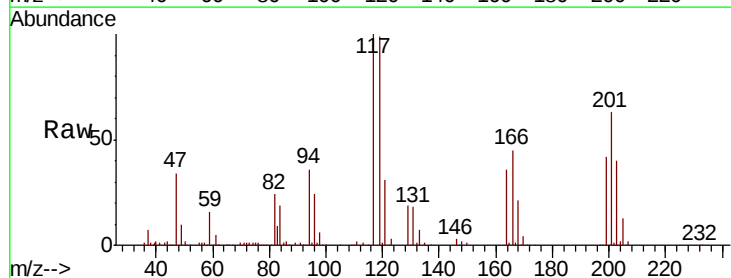
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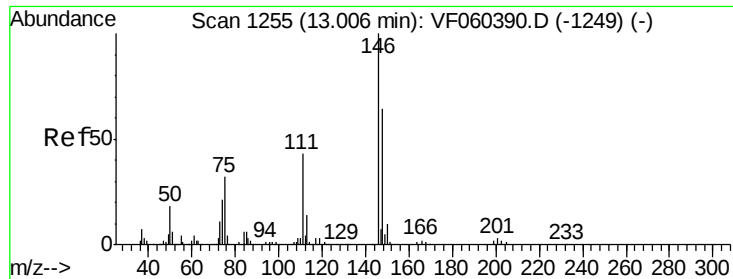
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#90
Hexachloroethane
Concen: 19.544 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.4	25.5	76.5





#91

1,2-Dichlorobenzene

Concen: 20.235 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Instrument :

MSVOA_F

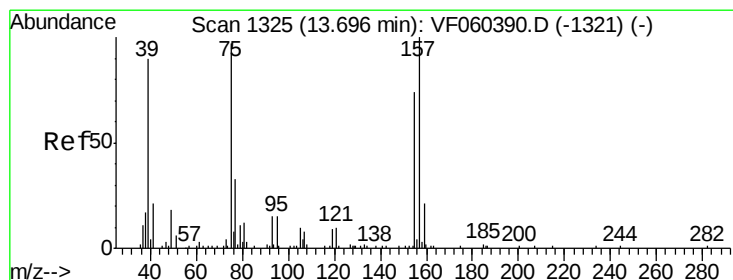
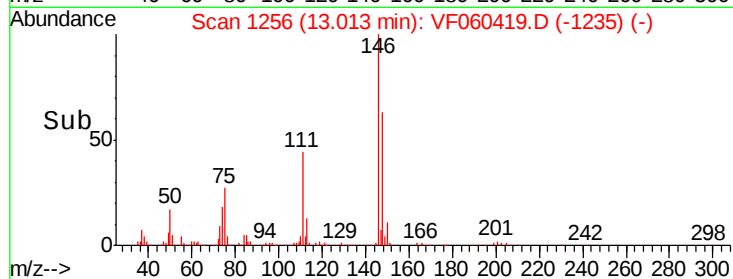
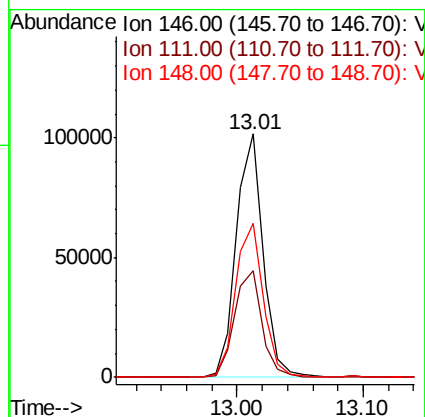
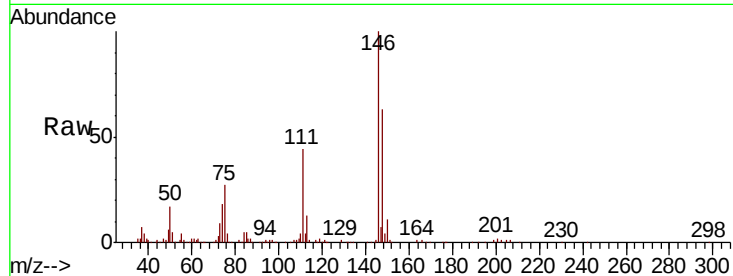
ClientSampleId :

VF1003SBS01

Tot Ion:	146	Resp:	148658
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.3	64.0
148	63.1	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.615 ug/l

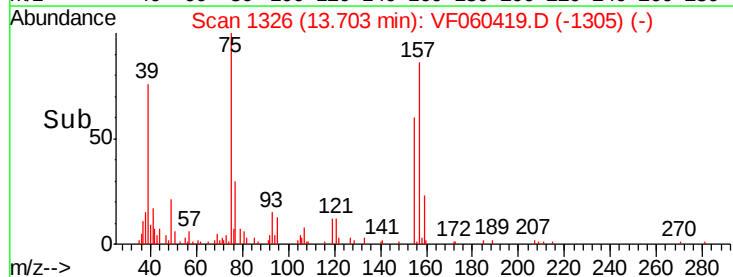
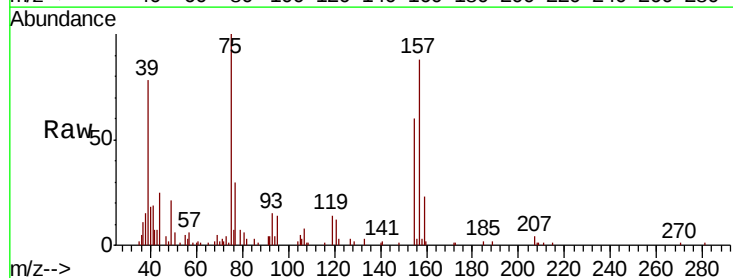
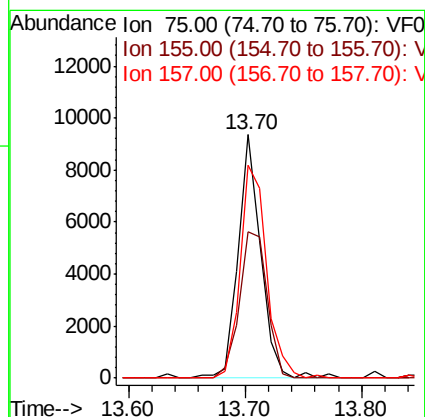
RT: 13.70 min Scan# 1326

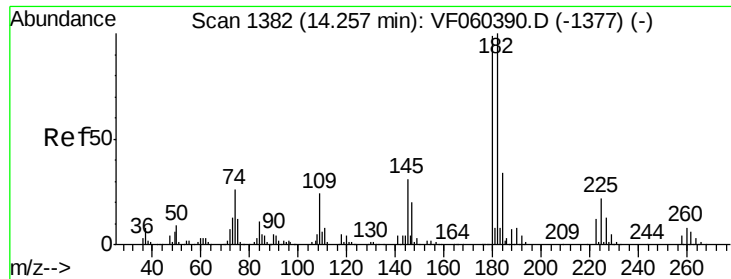
Delta R.T. 0.01 min

Lab File: VF060419.D

Acq: 3 Oct 2018 17:23

Tgt Ion:	75	Resp:	12637
Ion Ratio	Lower	Upper	
75	100		
155	60.4	37.9	113.6
157	87.6	51.3	154.0





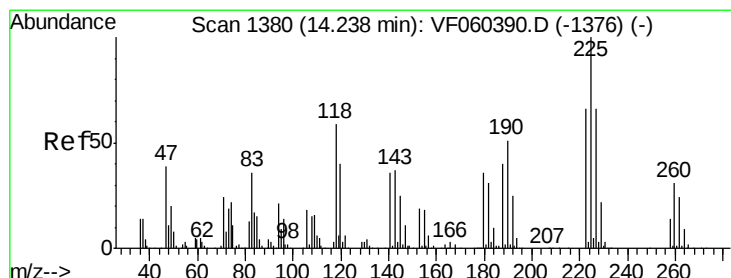
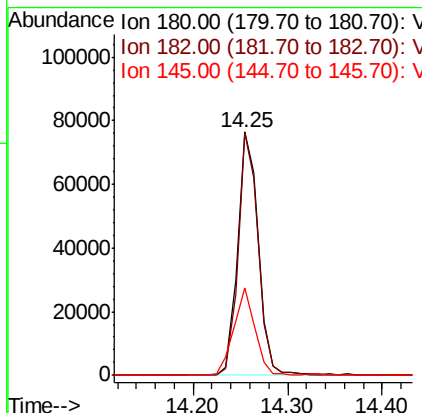
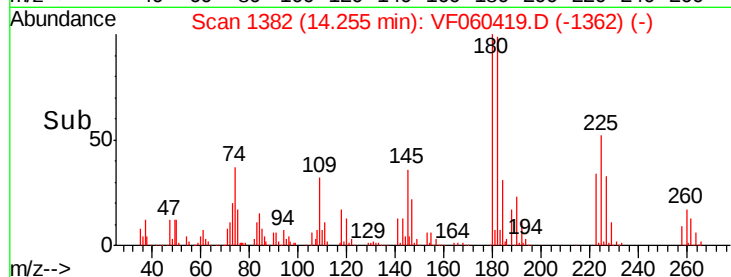
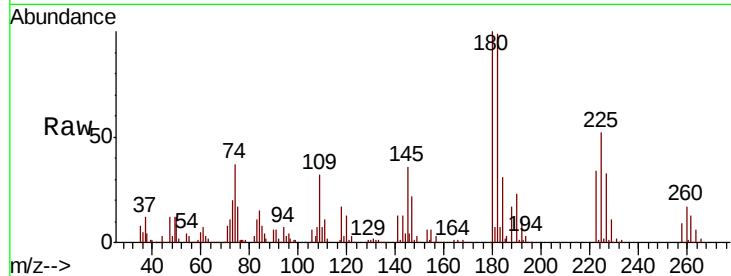
#93
 1,2,4-Trichlorobenzene
 Concen: 21.142 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116096		
182	99.3	50.3	150.9	
145	36.2	15.5	46.5	

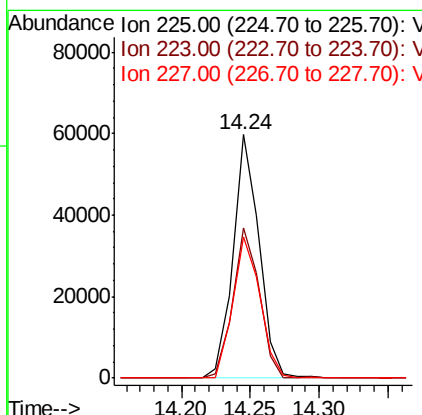
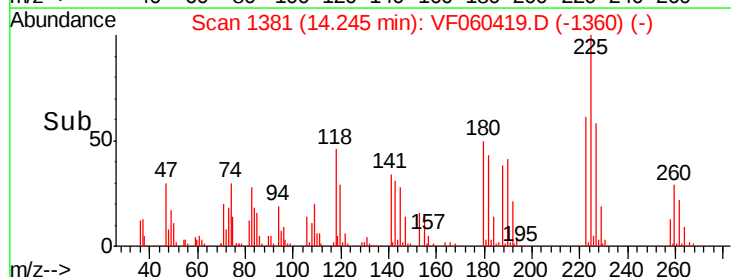
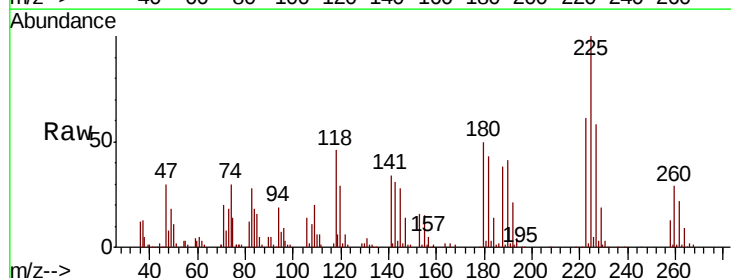
Manual Integrations
 APPROVED

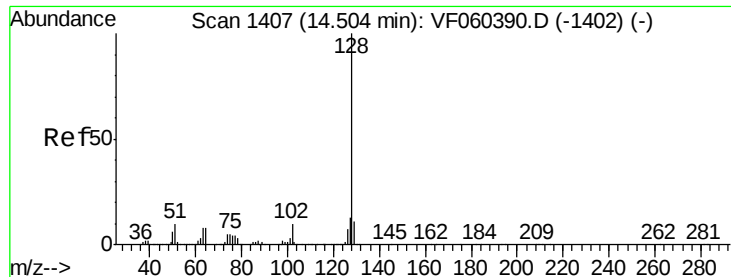
apatel
 10/4/2018 2:05:13 PM



#94
 Hexachlorobutadiene
 Concen: 20.572 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060419.D
 Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78841		
223	61.4	32.8	98.4	
227	58.0	33.0	99.0	





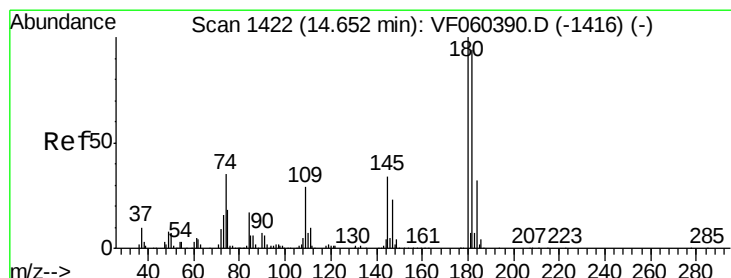
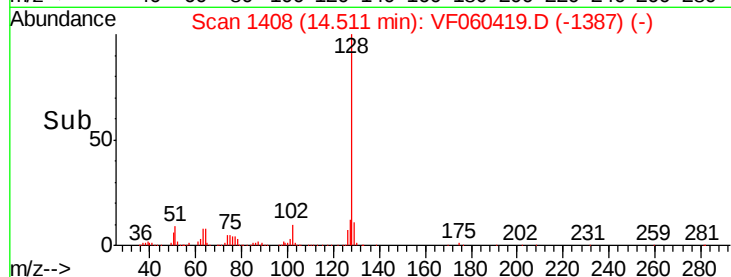
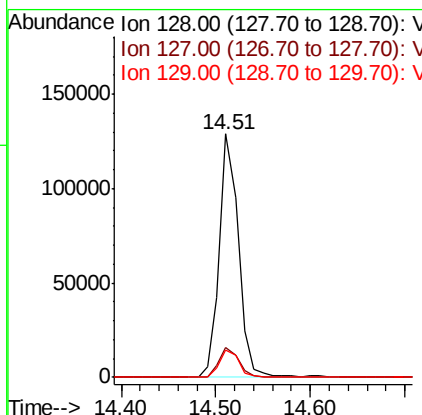
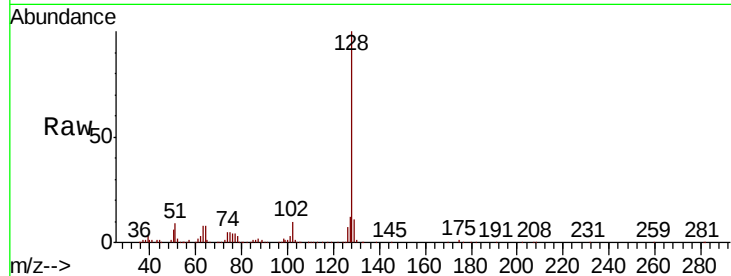
#95
Naphthalene
Concen: 18.606 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
VF1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	182675		
127	12.3		10.0	15.0
129	11.2		8.7	13.1

Manual Integrations
APPROVED

apatel
10/4/2018 2:05:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.907 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060419.D
Acq: 3 Oct 2018 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107615		
182	92.0		46.8	140.3
145	32.7		16.9	50.6

