

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
 Data File : VF060481.D
 Acq On : 8 Oct 2018 12:57
 Operator : VA/AP
 Sample : VF1008SBSD01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Manual Integrations
 APPROVED

apatel
 10/9/2018 8:53:27 AM

Quant Time: Oct 09 01:50:13 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	4.99	168	252704	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.72	114	419762	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.88	117	377801	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	202984	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.97	65	208651	52.77	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.54%	
35) Dibromofluoromethane	4.24	113	214074	54.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.58%	
50) Toluene-d8	7.66	98	524252	53.98	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.96%	
62) 4-Bromofluorobenzene	11.48	95	223161	50.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	139738	22.632	ug/l	96
3) Chloromethane	1.12	50	78027	22.739	ug/l	90
4) Vinyl Chloride	1.17	62	80604	22.580	ug/l	98
5) Bromomethane	1.34	94	56734	20.519	ug/l	91
6) Chloroethane	1.41	64	37429	21.012	ug/l	90
7) Trichlorofluoromethane	1.53	101	173294	20.924	ug/l	92
8) Diethyl Ether	1.68	74	25900	22.819	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	83943	21.160	ug/l	96
10) Methyl Iodide	1.96	142	134005m	22.150	ug/l	
11) Tert butyl alcohol	2.66	59	26976	112.785	ug/l #	86
12) 1,1-Dichloroethene	1.84	96	71422	23.300	ug/l	88
13) Acrolein	2.06	56	17471m	90.829	ug/l	
14) Allyl chloride	2.16	41	97626	19.877	ug/l	95
15) Acrylonitrile	3.04	53	47804	116.642	ug/l	92
16) Acetone	2.31	43	114638	129.306	ug/l	98
17) Carbon Disulfide	1.89	76	202535	21.820	ug/l	98
18) Methyl Acetate	2.42	43	33556	21.569	ug/l #	90
19) Methyl tert-butyl Ether	2.51	73	167715	22.464	ug/l	93
20) Methylene Chloride	2.25	84	65172m	19.145	ug/l	
21) trans-1,2-Dichloroethene	2.38	96	72378	23.642	ug/l	96
22) Diisopropyl ether	2.89	45	217038	24.345	ug/l	95
23) Vinyl Acetate	3.29	43	388281	109.641	ug/l	100
24) 1,1-Dichloroethane	2.96	63	143392	23.784	ug/l	99
25) 2-Butanone	4.46	43	118927	116.153	ug/l	100
26) 2,2-Dichloropropane	3.71	77	79081	23.160	ug/l	93
27) cis-1,2-Dichloroethene	3.58	96	75923	22.181	ug/l	93
28) Bromochloromethane	3.84	49	46494	20.925	ug/l	92
29) Tetrahydrofuran	4.21	42	45121	114.501	ug/l	92
30) Chloroform	3.99	83	168232	22.614	ug/l	98
31) Cyclohexane	3.81	56	92556m	21.380	ug/l	
32) 1,1,1-Trichloroethane	4.22	97	136663	22.077	ug/l #	86
36) 1,1-Dichloropropene	4.41	75	114837	22.189	ug/l	98
37) Ethyl Acetate	4.24	43	41258	20.818	ug/l #	80
38) Carbon Tetrachloride	4.12	117	118561	18.820	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
 Data File : VF060481.D
 Acq On : 8 Oct 2018 12:57
 Operator : VA/AP
 Sample : VF1008SBSD01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Manual Integrations
 APPROVED

apatel
 10/9/2018 8:53:27 AM

Quant Time: Oct 09 01:50:13 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)
39) Methylcyclohexane	5.57	83	111155	21.908	ug/l	91
40) Benzene	4.75	78	234918	22.865	ug/l	99
41) Methacrylonitrile	4.87	41	21064	20.045	ug/l #	94
42) 1,2-Dichloroethane	5.07	62	98055	20.005	ug/l	95
43) Isopropyl Acetate	7.07	43	48657	20.316	ug/l #	92
44) Trichloroethene	5.62	130	78042	23.674	ug/l	90
45) 1,2-Dichloropropane	6.35	63	58128	21.245	ug/l	97
46) Dibromomethane	6.20	93	47371	21.534	ug/l	91
47) Bromodichloromethane	6.50	83	114153	20.952	ug/l	93
48) Methyl methacrylate	6.82	41	36512	21.238	ug/l	91
49) 1,4-Dioxane	6.82	88	5993	404.292	ug/l #	48
51) 4-Methyl-2-Pentanone	8.36	43	182621	107.117	ug/l	99
52) Toluene	7.73	92	154909	22.199	ug/l	97
53) t-1,3-Dichloropropene	8.38	75	91822	21.505	ug/l	91
54) cis-1,3-Dichloropropene	7.42	75	109691	21.982	ug/l	99
55) 1,1,2-Trichloroethane	8.60	97	45613	20.621	ug/l #	79
56) Ethyl methacrylate	8.72	69	54363	21.629	ug/l	94
57) 1,3-Dichloropropane	8.96	76	78670	21.023	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.73	63	28261	110.076	ug/l	100
59) 2-Hexanone	9.59	43	150209	120.119	ug/l	94
60) Dibromochloromethane	8.83	129	73857	22.177	ug/l	100
61) 1,2-Dibromoethane	9.09	107	52721	21.782	ug/l	87
64) Tetrachloroethene	8.26	164	63622	21.184	ug/l	93
65) Chlorobenzene	9.90	112	172874	22.275	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.03	131	74738	22.056	ug/l	92
67) Ethyl Benzene	10.00	91	327925	22.223	ug/l	99
68) m/p-Xylenes	10.23	106	226122	44.576	ug/l	91
69) o-Xylene	10.80	106	126101	22.806	ug/l	100
70) Styrene	10.87	104	174042	22.129	ug/l	99
71) Bromoform	10.86	173	34674	19.219	ug/l #	99
73) Isopropylbenzene	11.20	105	384469	24.056	ug/l	100
74) N-amyl acetate	11.44	43	85987	23.442	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	62734	21.530	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	45127	21.037	ug/l	98
77) Bromobenzene	11.57	156	76251	21.343	ug/l	95
78) n-propylbenzene	11.66	91	444224	22.927	ug/l	100
79) 2-Chlorotoluene	11.78	91	260350	22.971	ug/l	99
80) 1,3,5-Trimethylbenzene	11.88	105	320085	23.572	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	22011m	23.147	ug/l	
82) 4-Chlorotoluene	11.96	91	265248	22.873	ug/l	99
83) tert-Butylbenzene	12.19	119	313234	23.388	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	311548	23.135	ug/l	99
85) sec-Butylbenzene	12.36	105	413361	22.360	ug/l	97
86) p-Isopropyltoluene	12.51	119	343509	22.744	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	148109	22.031	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	140122	21.137	ug/l	97
89) n-Butylbenzene	12.90	91	387121	24.223	ug/l	95
90) Hexachloroethane	12.98	117	88851	22.762	ug/l	76
91) 1,2-Dichlorobenzene	13.00	146	150441	23.355	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11427	20.229	ug/l	74

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
Data File : VF060481.D
Acq On : 8 Oct 2018 12:57
Operator : VA/AP
Sample : VF1008SBSD01
Misc : 5.00/5mL/MSVOA_F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM

Quant Time: Oct 09 01:50:13 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)
93) 1,2,4-Trichlorobenzene	14.25	180	107708	22.371	ug/l	95
94) Hexachlorobutadiene	14.24	225	73258	21.801	ug/l	94
95) Naphthalene	14.50	128	185494	21.548	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	108034	23.938	ug/l	95

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

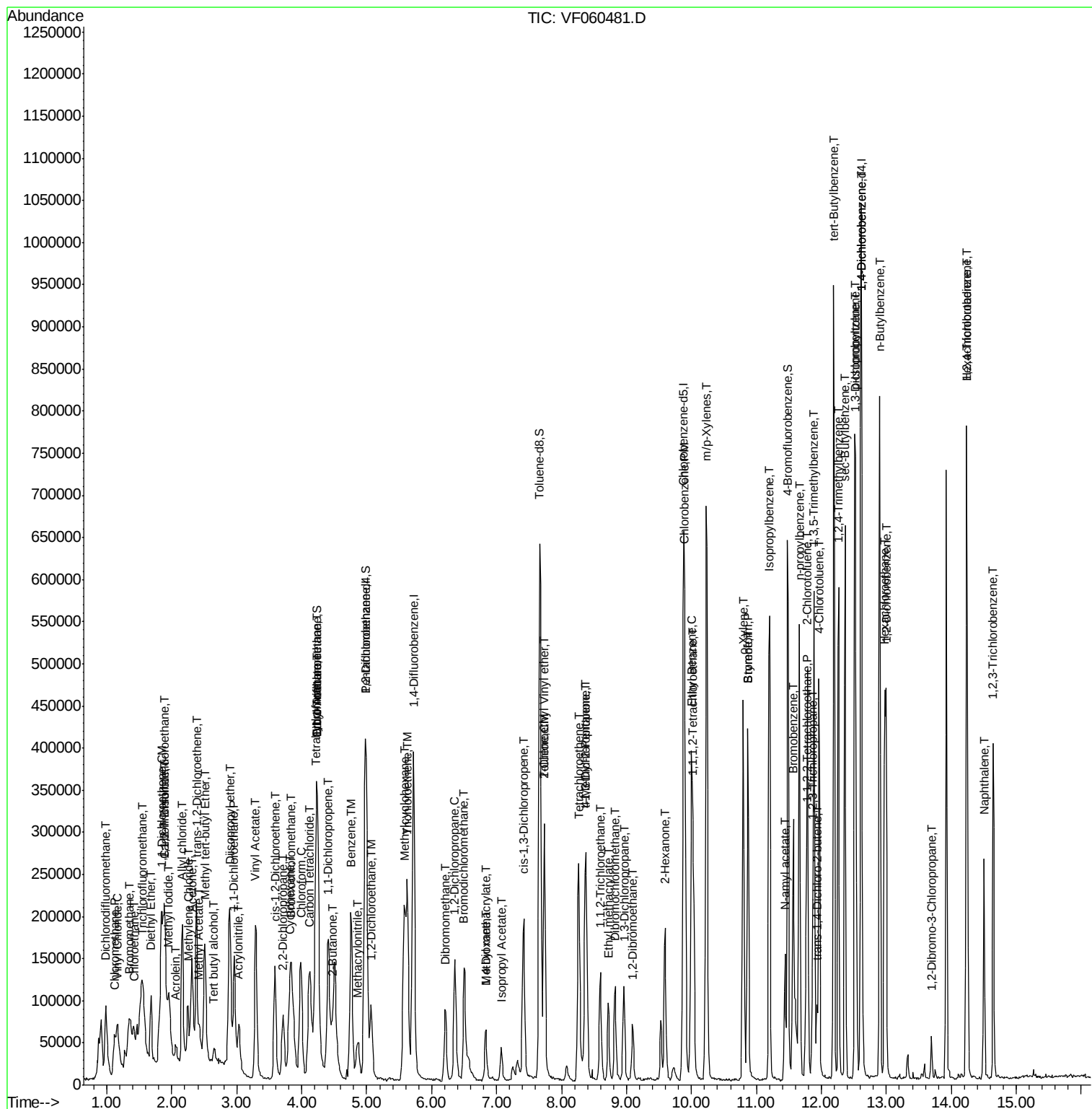
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF100818\
Data File : VF060481.D
Acq On : 8 Oct 2018 12:57
Operator : VA/AP
Sample : VF1008SBSD01
Misc : 5.00/5mL/MSVOA_F/SOIL
ALS Vial : 34 Sample Multiplier: 1

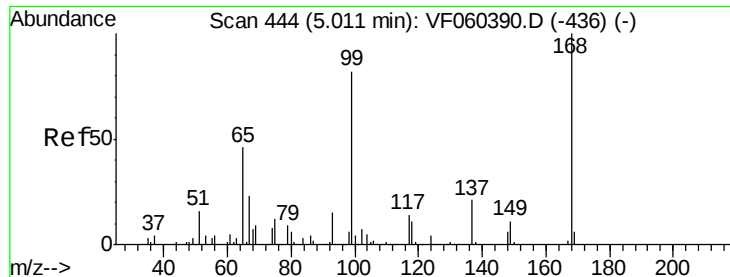
Instrument :
MSVOA_F
Client Sample ID :
VF1008SBSD01

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM

Quant Time: Oct 09 01:50:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 442

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion: 168 Resp: 252704

Ion Ratio Lower Upper

168 100

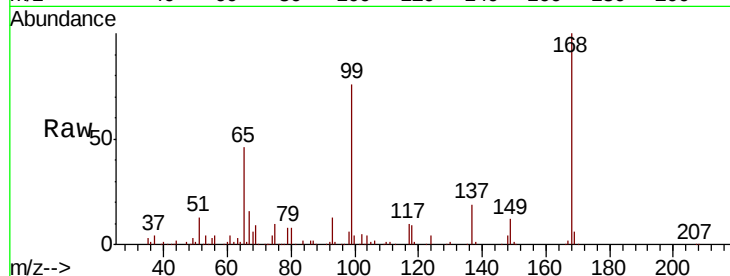
99 75.6 65.3 97.9

Manual Integrations

APPROVED

apatel

10/9/2018 8:53:27 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.99

80000

60000

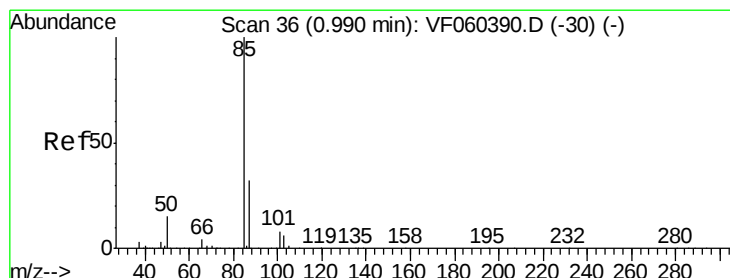
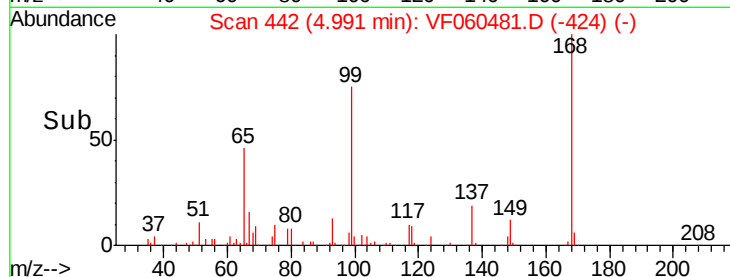
40000

20000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 22.632 ug/l

RT: 0.98 min Scan# 35

Delta R.T. -0.01 min

Lab File: VF060481.D

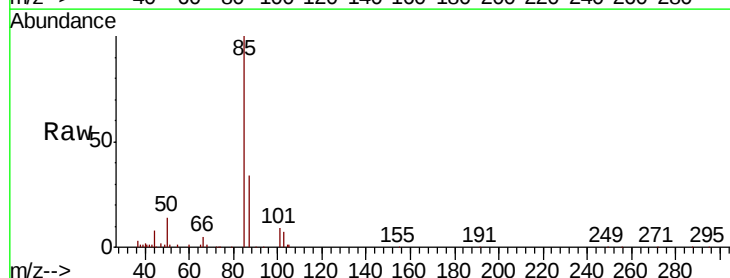
Acq: 8 Oct 2018 12:57

Tgt Ion: 85 Resp: 139738

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

50000

40000

30000

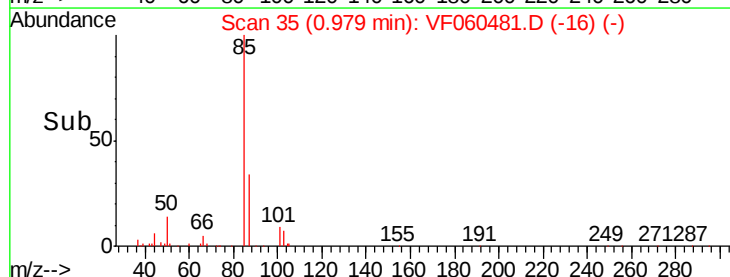
20000

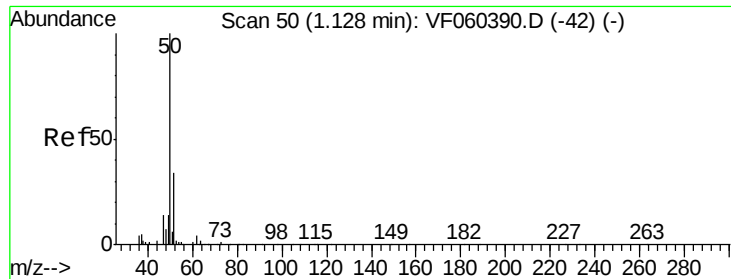
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.739 ug/l

RT: 1.12 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion: 50 Resp: 78027

Ion Ratio Lower Upper

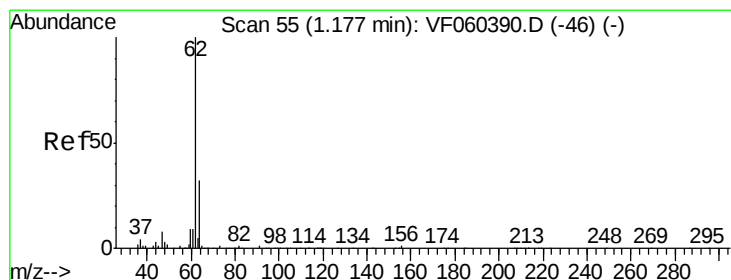
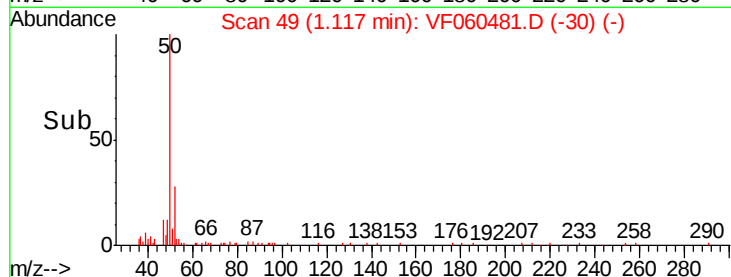
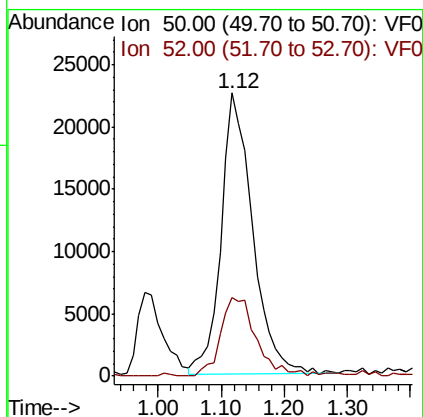
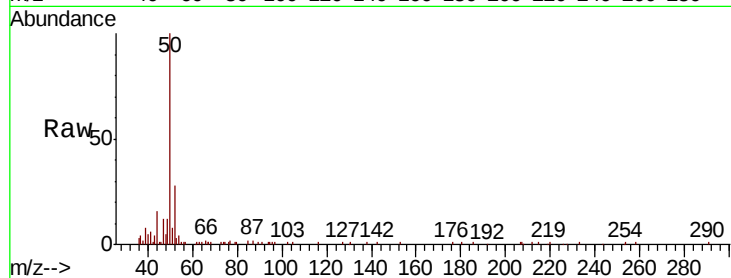
50 100

52 27.8 26.9 40.3

Manual Integrations
APPROVED

apatel

10/9/2018 8:53:27 AM



#4

Vinyl Chloride

Concen: 22.580 ug/l

RT: 1.17 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060481.D

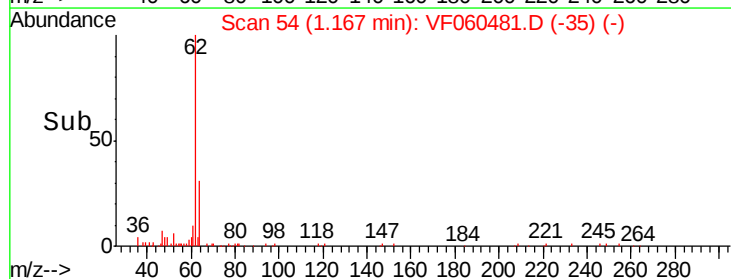
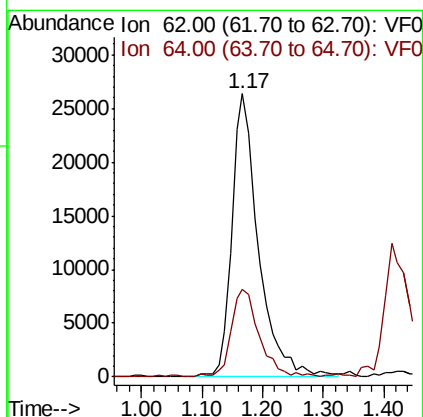
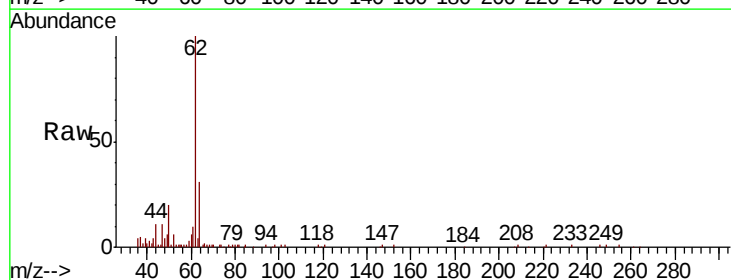
Acq: 8 Oct 2018 12:57

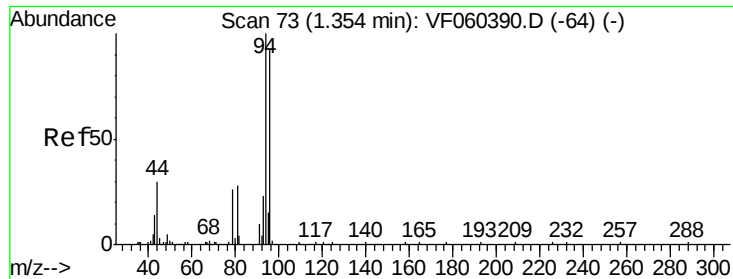
Tgt Ion: 62 Resp: 80604

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.6





#5

Bromomethane

Concen: 20.519 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion: 94 Resp: 56734

Ion Ratio Lower Upper

94 100

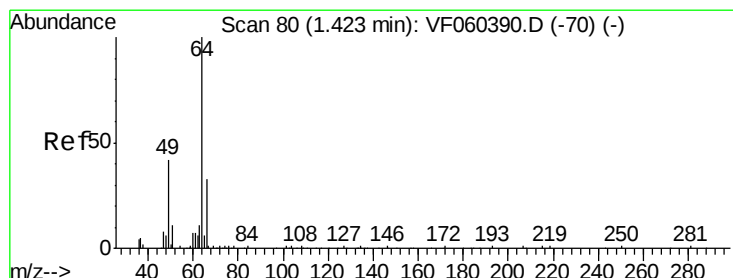
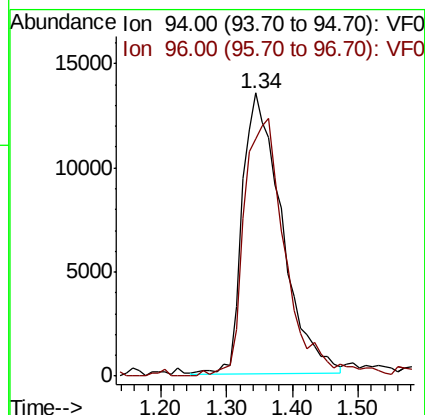
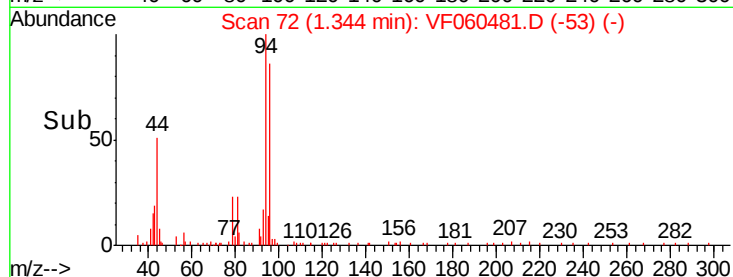
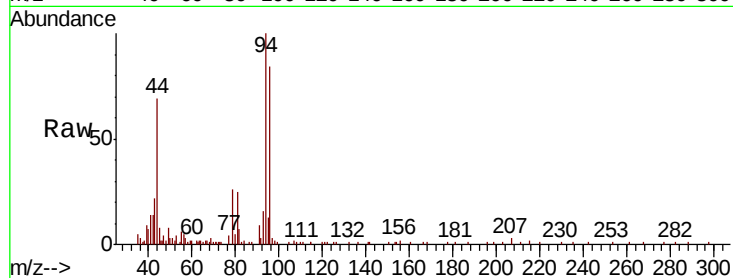
96 83.9 74.3 111.5

Manual Integrations

APPROVED

apatel

10/9/2018 8:53:27 AM



#6

Chloroethane

Concen: 21.012 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060481.D

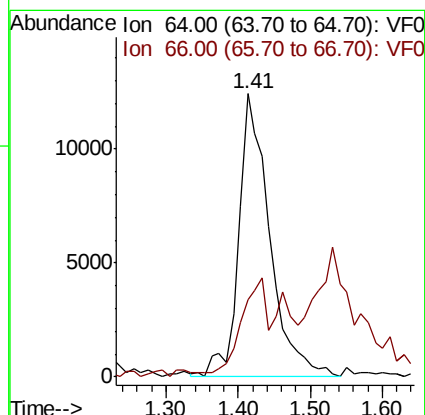
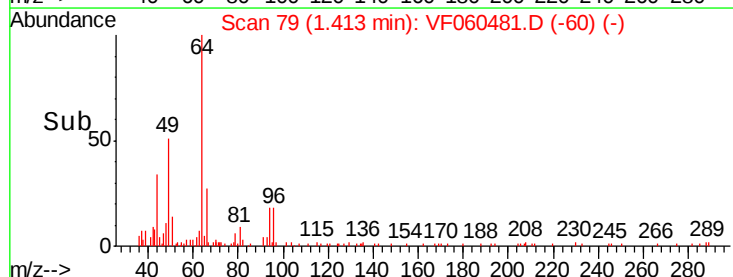
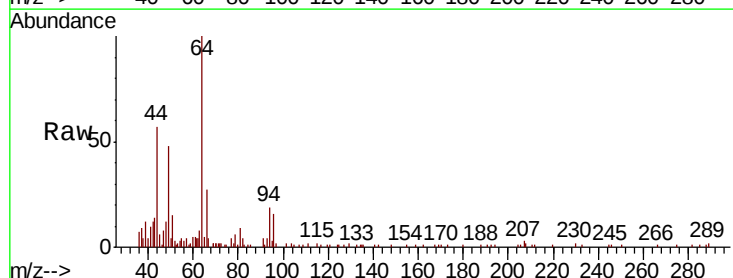
Acq: 8 Oct 2018 12:57

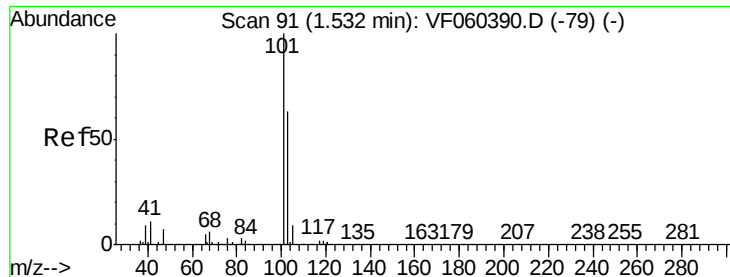
Tgt Ion: 64 Resp: 37429

Ion Ratio Lower Upper

64 100

66 27.3 26.3 39.5





#7

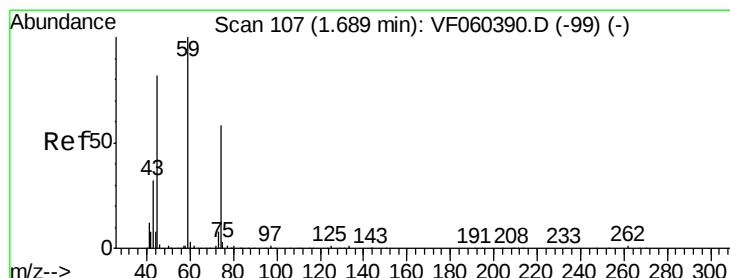
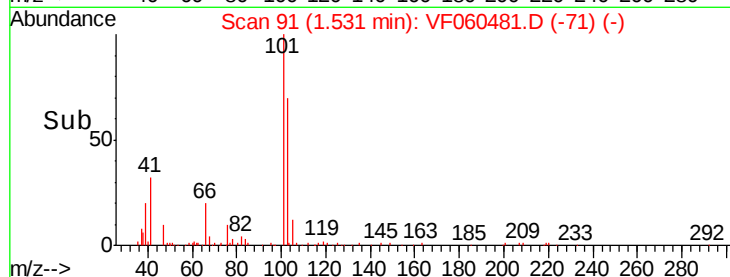
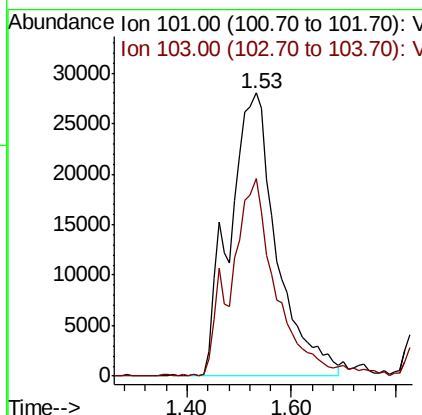
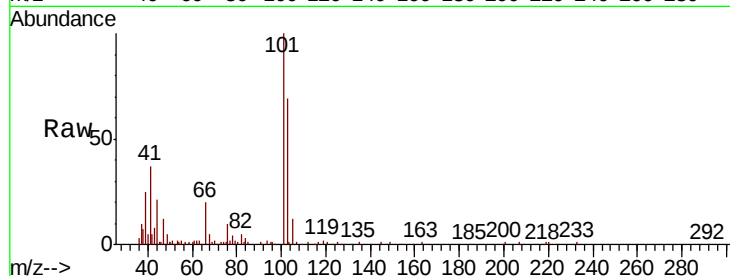
Trichlorofluoromethane
Concen: 20.924 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.00 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion: 101 Resp: 173294
Ion Ratio Lower Upper
101 100
103 70.0 51.0 76.4

Manual Integrations
APPROVED

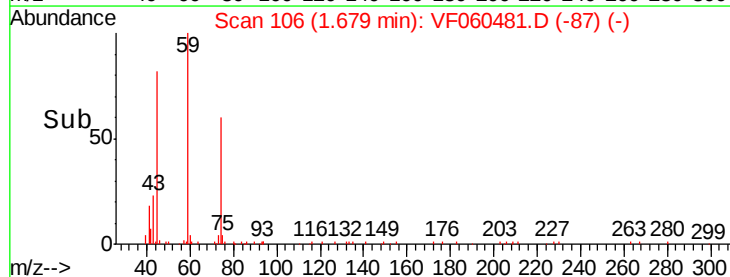
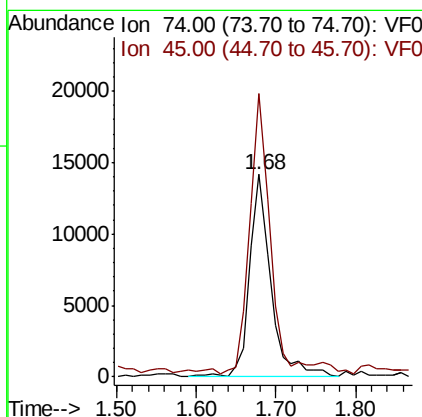
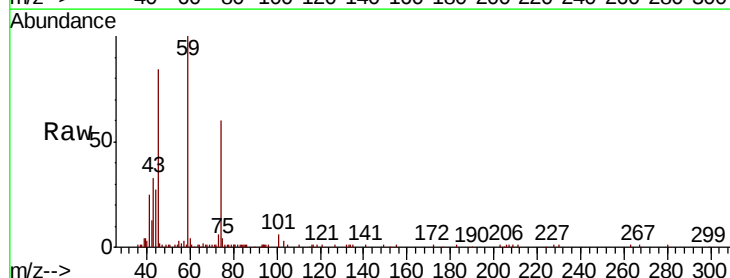
apatel
10/9/2018 8:53:27 AM

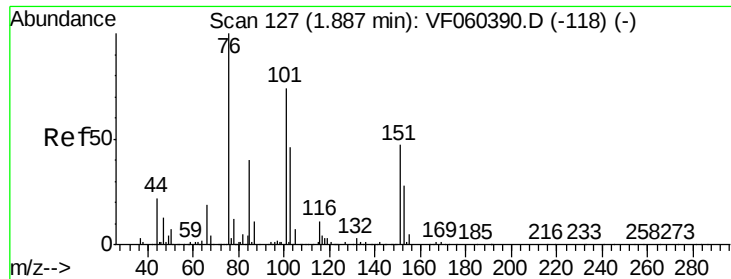


#8

Diethyl Ether
Concen: 22.819 ug/l
RT: 1.68 min Scan# 106
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion: 74 Resp: 25900
Ion Ratio Lower Upper
74 100
45 139.7 71.3 213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.160 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

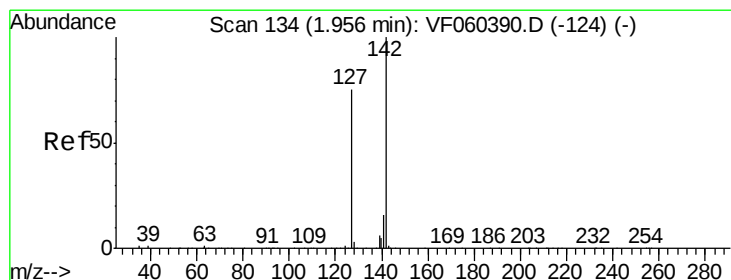
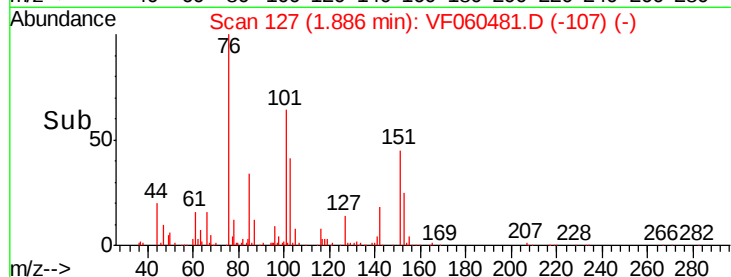
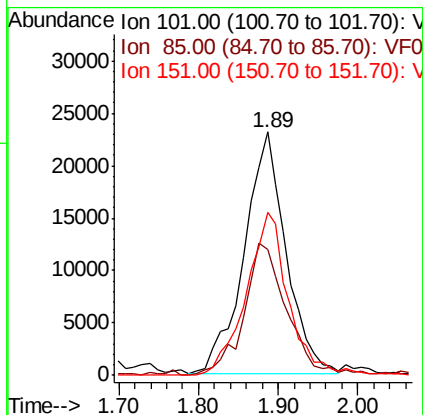
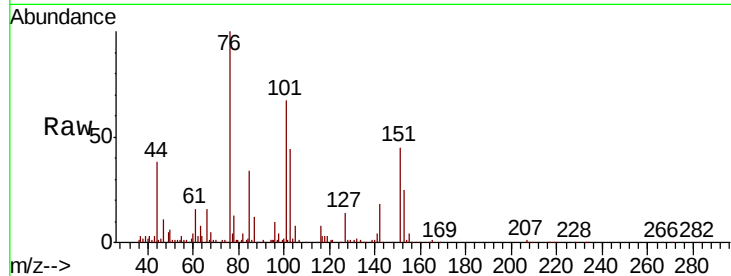
ClientSampleId :

VF1008SBSD01

Tgt Ion:	101	Resp:	83943
Ion Ratio	Lower	Upper	
101	100		
85	51.4	42.5	63.7
151	67.1	49.8	74.8

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#10

Methyl Iodide

Concen: 22.150 ug/l m

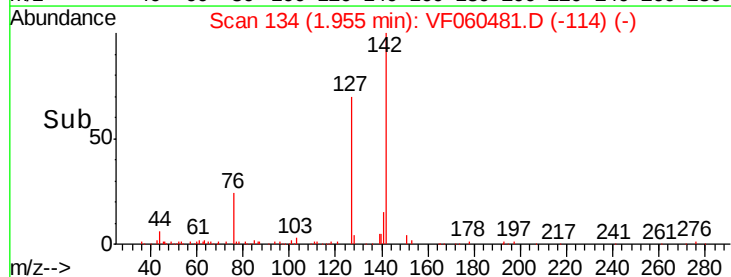
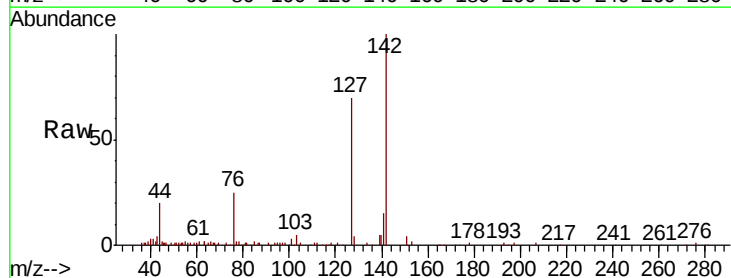
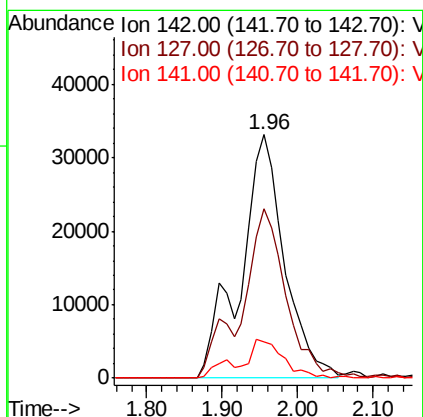
RT: 1.96 min Scan# 134

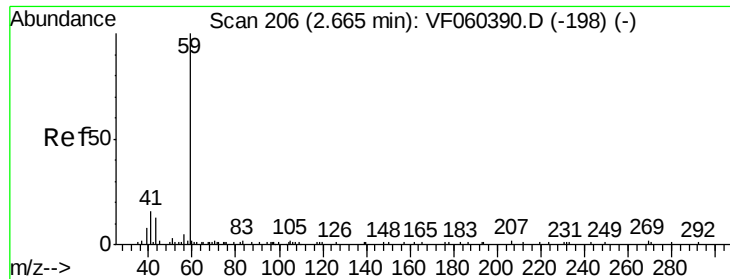
Delta R.T. -0.00 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	142	Resp:	134005
Ion Ratio	Lower	Upper	
142	100		
127	69.8	60.2	90.2
141	14.9	13.1	19.7





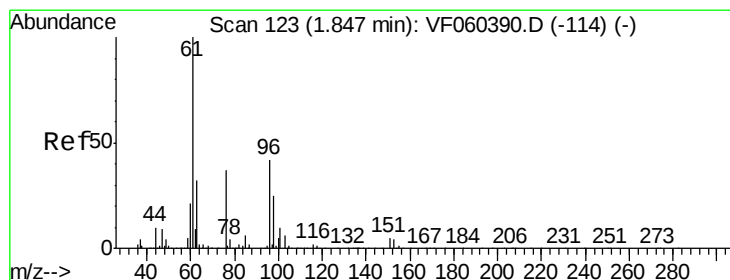
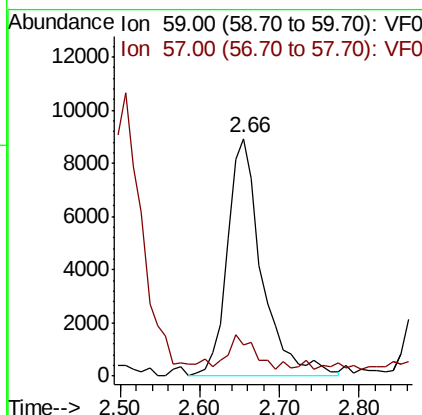
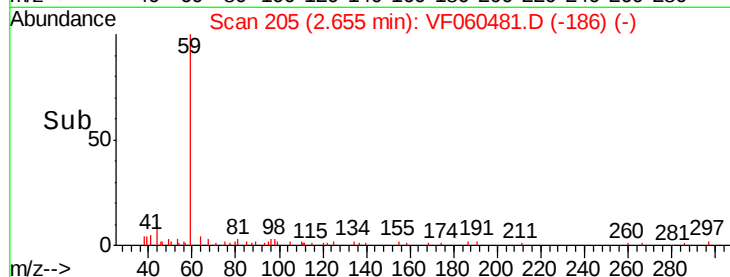
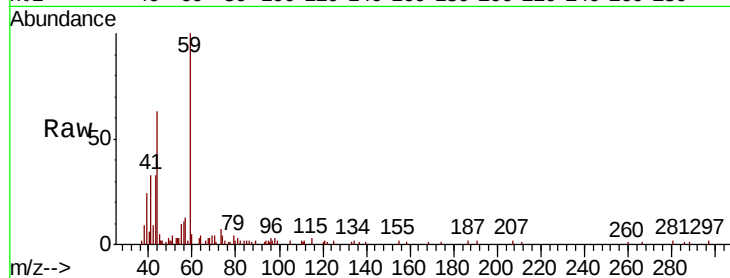
#11
Tert butyl alcohol
Concen: 112.785 ug/l
RT: 2.66 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion: 59 Resp: 26976
Ion Ratio Lower Upper
59 100
57 12.9 6.5 9.7#

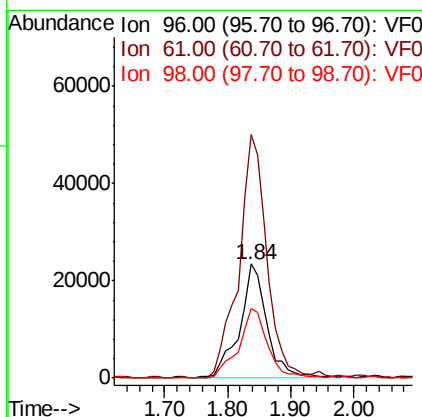
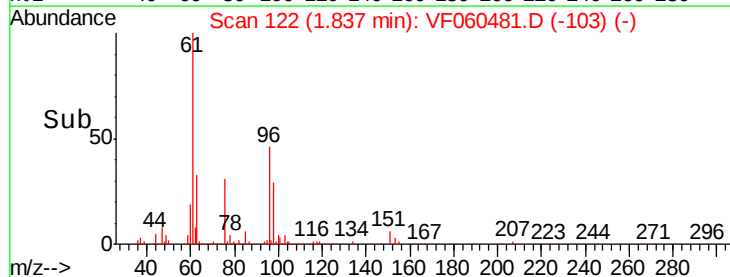
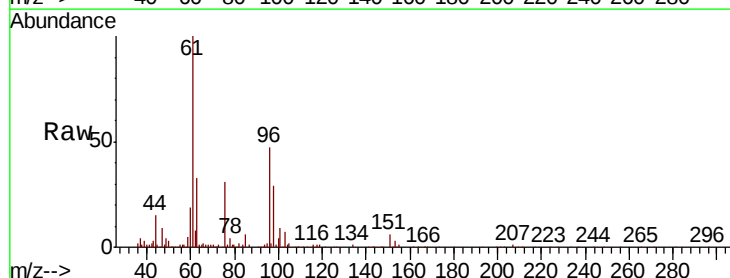
Manual Integrations
APPROVED

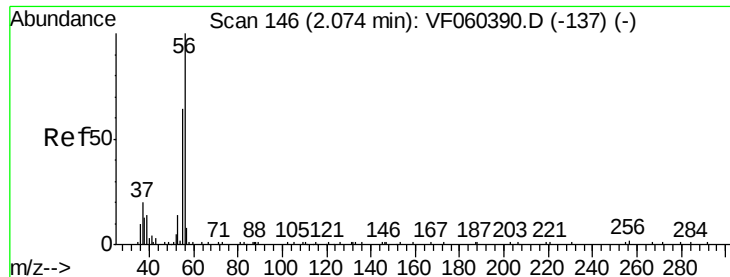
apatel
10/9/2018 8:53:27 AM



#12
1,1-Dichloroethene
Concen: 23.300 ug/l
RT: 1.84 min Scan# 122
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion: 96 Resp: 71422
Ion Ratio Lower Upper
96 100
61 213.1 189.4 284.0
98 61.1 47.8 71.6





#13

Acrolein

Concen: 90.829 ug/l m

RT: 2.06 min Scan# 145

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion: 56 Resp: 17471

Ion Ratio Lower Upper

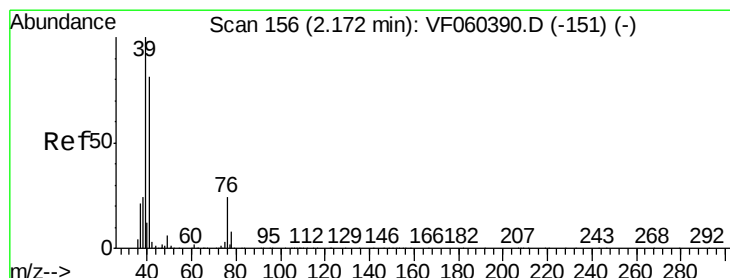
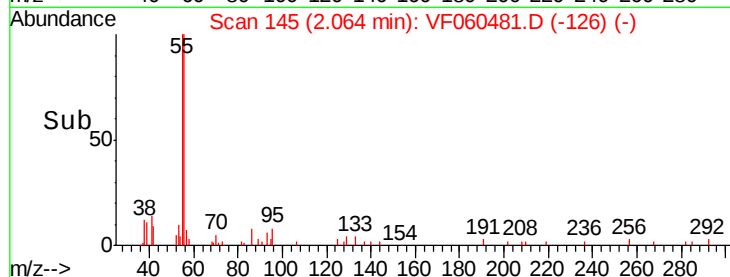
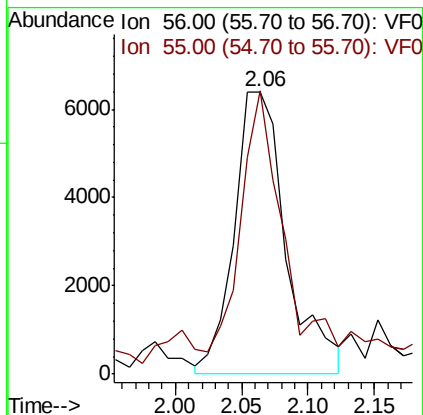
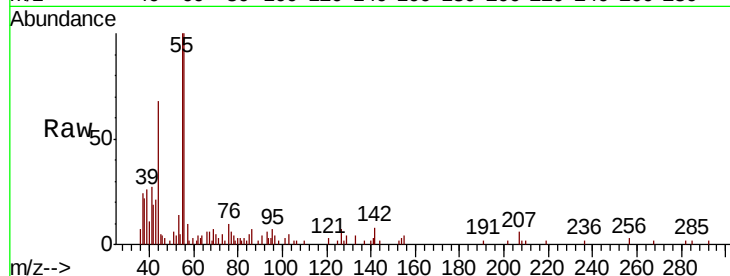
56 100

55 100.2 53.9 80.9#

Manual Integrations
APPROVED

apatel

10/9/2018 8:53:27 AM



#14

Allyl chloride

Concen: 19.877 ug/l

RT: 2.16 min Scan# 155

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

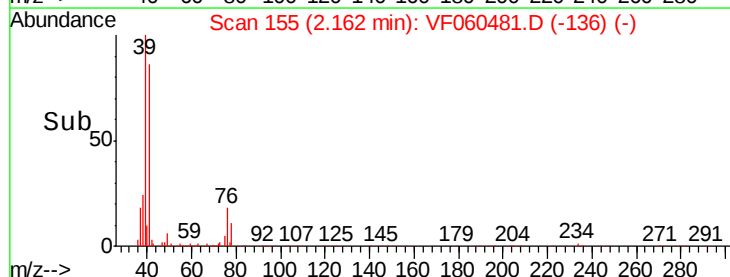
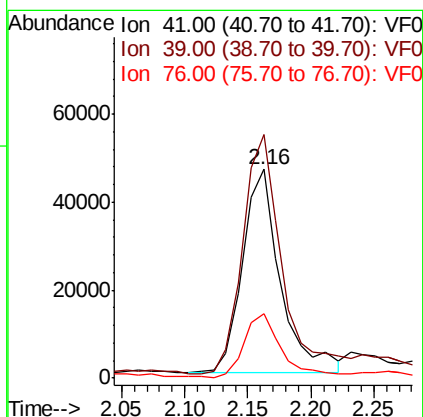
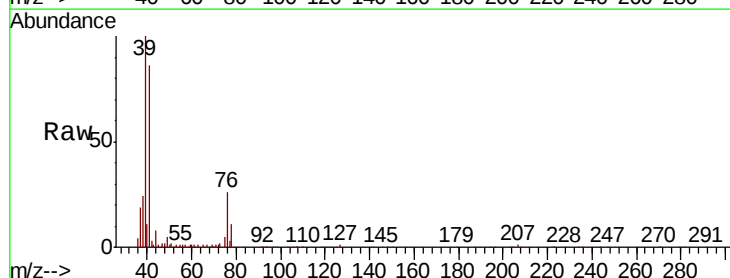
Tgt Ion: 41 Resp: 97626

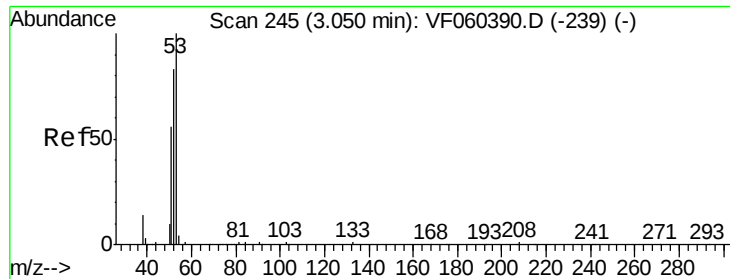
Ion Ratio Lower Upper

41 100

39 116.5 98.3 147.5

76 30.8 23.9 35.9





#15

Acrylonitrile

Concen: 116.642 ug/l

RT: 3.04 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

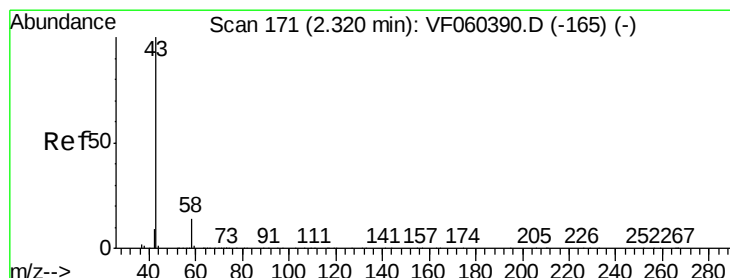
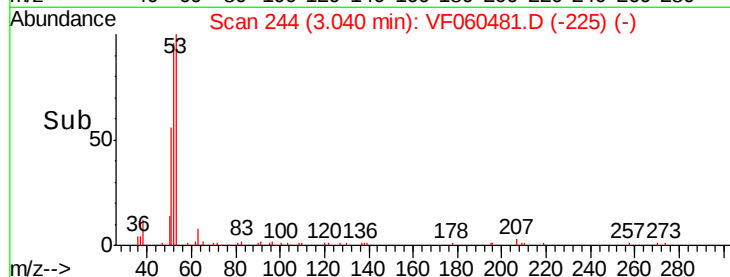
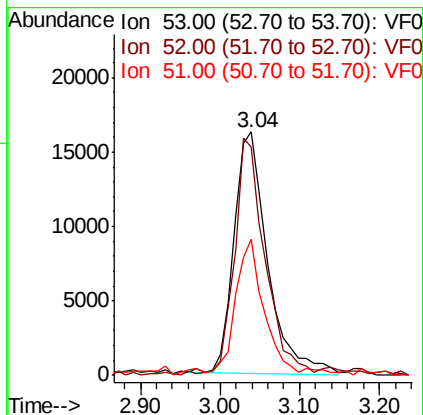
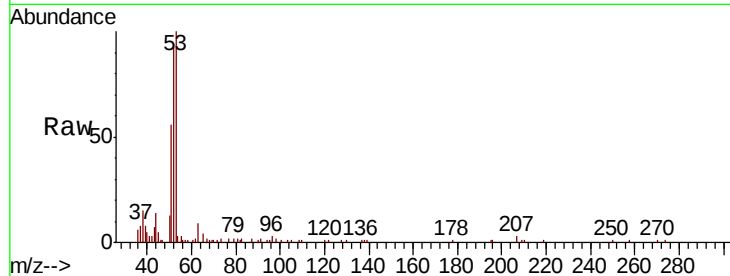
ClientSampleId :

VF1008SBSD01

Tgt Ion:	53	Resp:	47804
Ion Ratio	Lower	Upper	
53	100		
52	93.8	66.0	99.0
51	56.0	45.6	68.4

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#16

Acetone

Concen: 129.306 ug/l

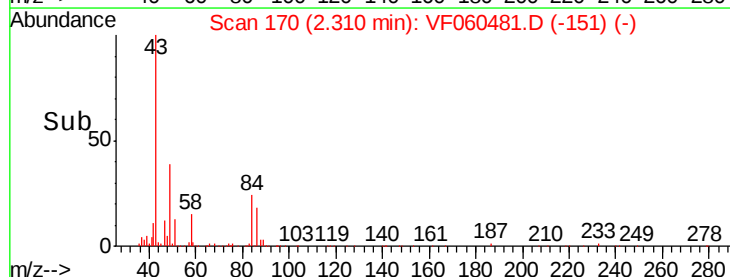
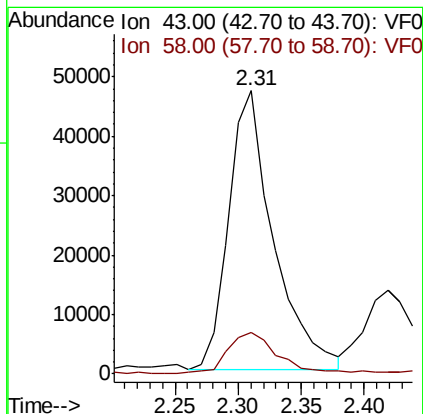
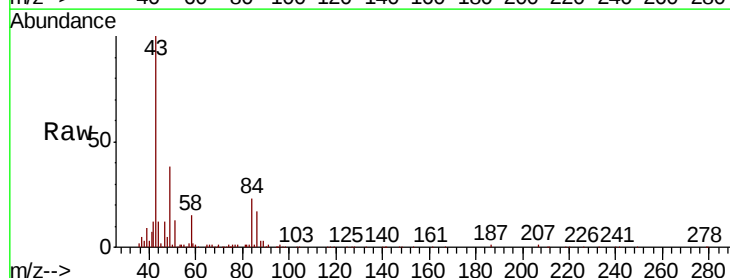
RT: 2.31 min Scan# 170

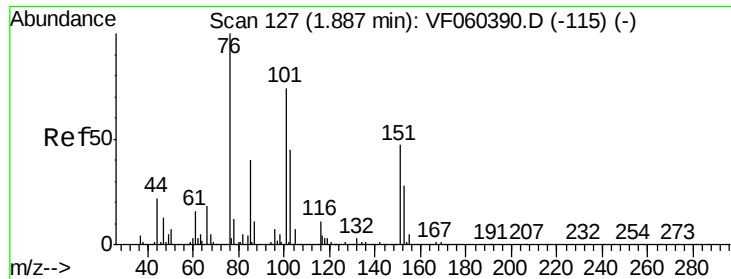
Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	43	Resp:	114638
Ion Ratio	Lower	Upper	
43	100		
58	14.7	11.2	16.8





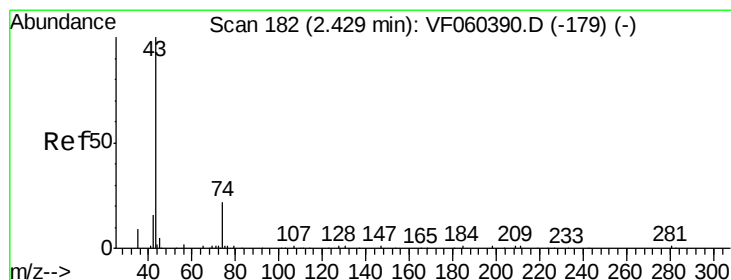
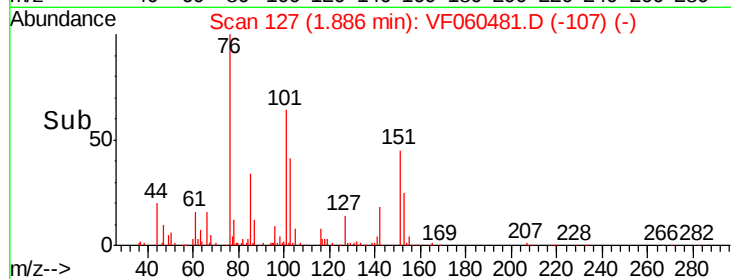
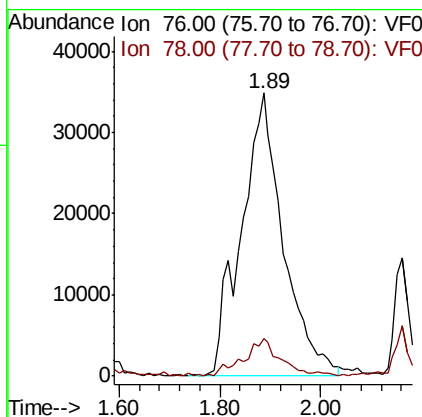
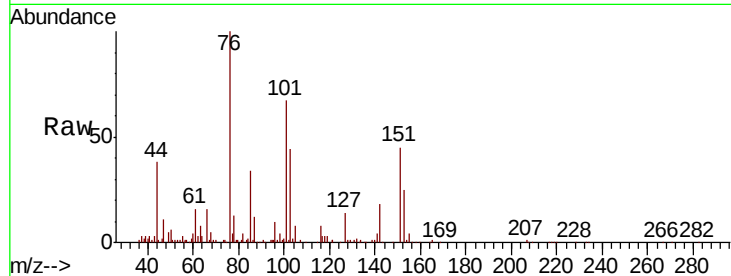
#17
Carbon Disulfide
Concen: 21.820 ug/l
RT: 1.89 min Scan# 127
Delta R.T. -0.00 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion: 76 Resp: 202535
Ion Ratio Lower Upper
76 100
78 13.2 10.1 15.1

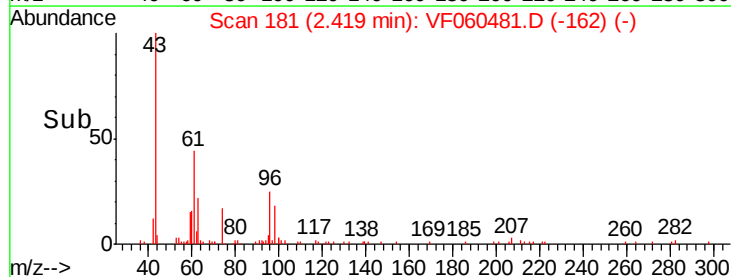
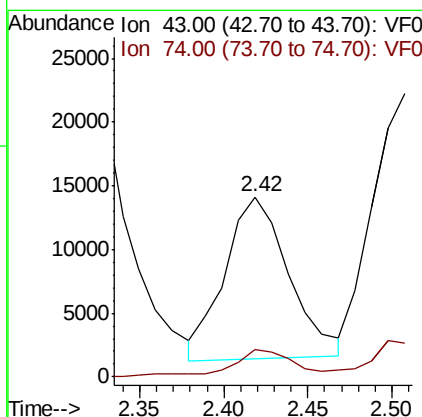
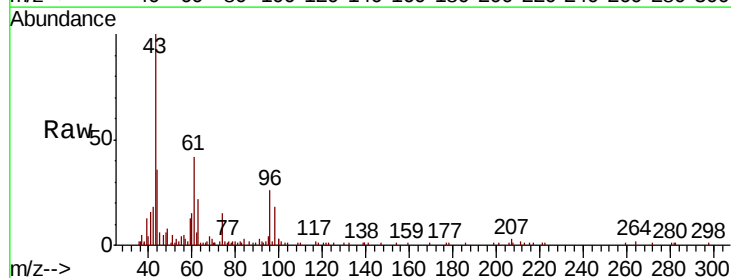
Manual Integrations
APPROVED

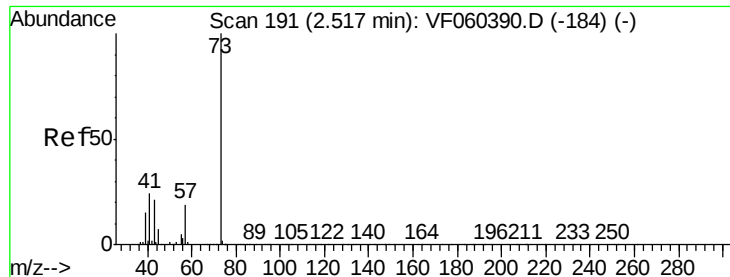
apatel
10/9/2018 8:53:27 AM



#18
Methyl Acetate
Concen: 21.569 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion: 43 Resp: 33556
Ion Ratio Lower Upper
43 100
74 15.3 15.8 23.8#





#19

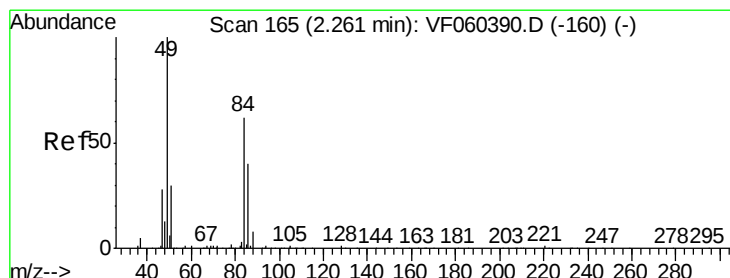
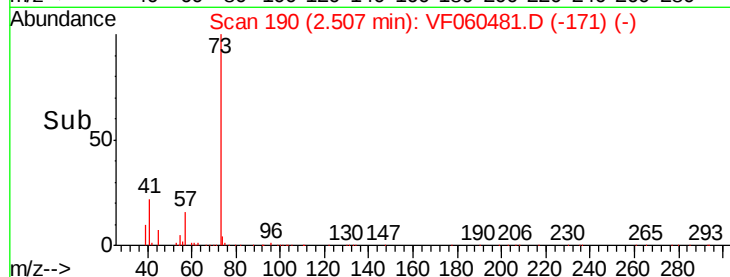
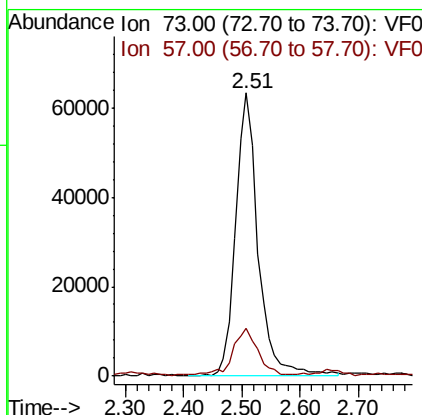
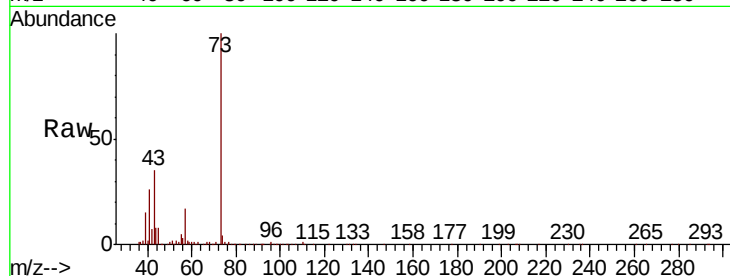
Methyl tert-butyl Ether
 Concen: 22.464 ug/l
 RT: 2.51 min Scan# 190
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	16.8	15.9	23.9

Manual Integrations
 APPROVED

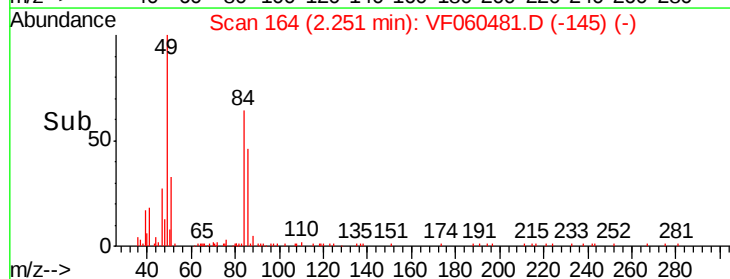
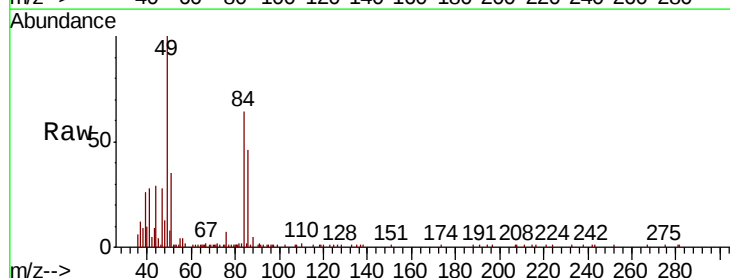
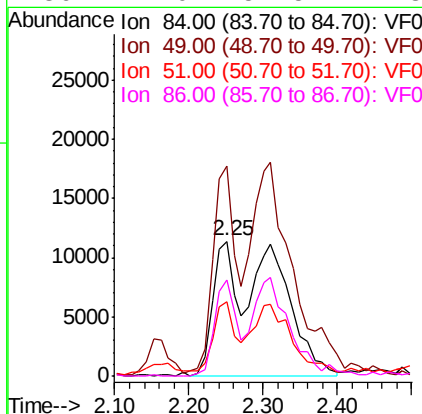
apatel
 10/9/2018 8:53:27 AM

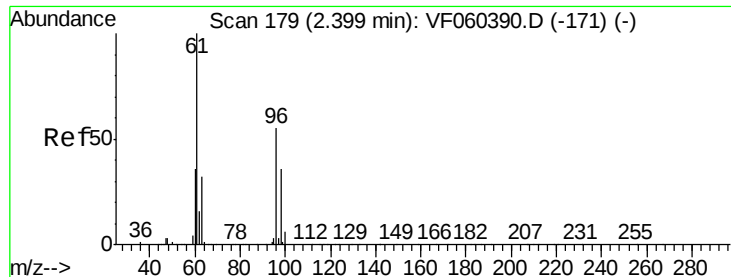


#20

Methylene Chloride
 Concen: 19.145 ug/l m
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.6	130.2	195.2
51	54.7	41.0	61.6
86	71.0	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 23.642 ug/l

RT: 2.38 min Scan# 177

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

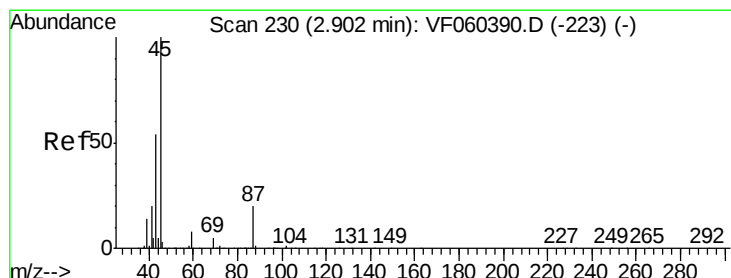
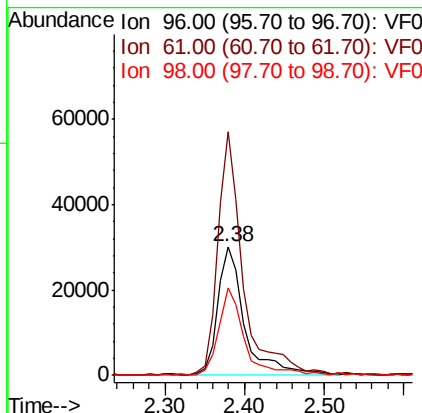
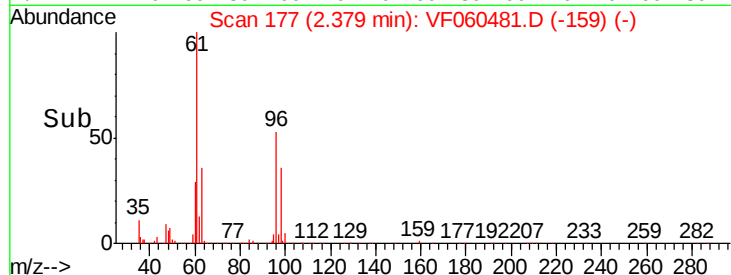
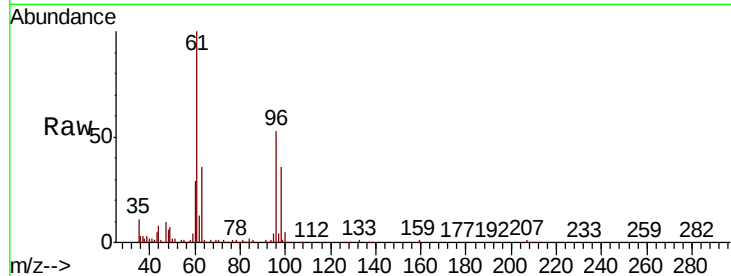
ClientSampleId :

VF1008SBSD01

Tgt Ion:	96	Resp:	72378
Ion	Ratio	Lower	Upper
96	100		
61	188.8	146.2	219.2
98	67.8	52.6	78.8

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#22

Diisopropyl ether

Concen: 24.345 ug/l

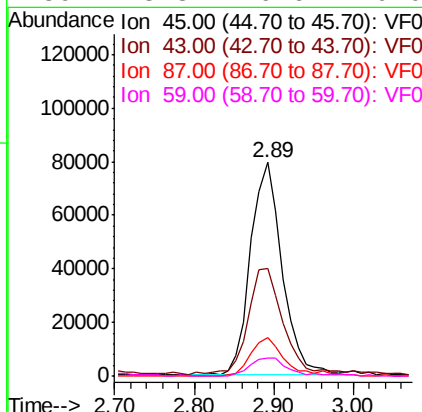
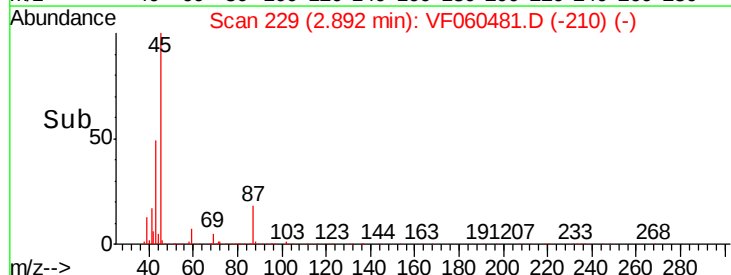
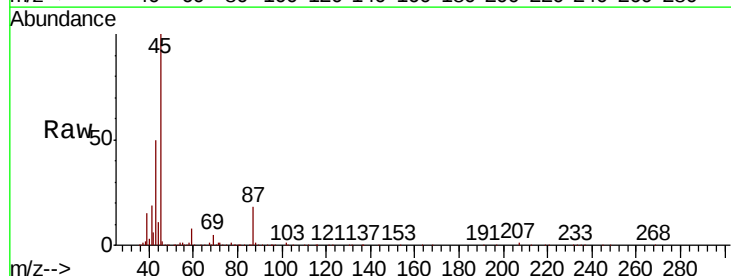
RT: 2.89 min Scan# 229

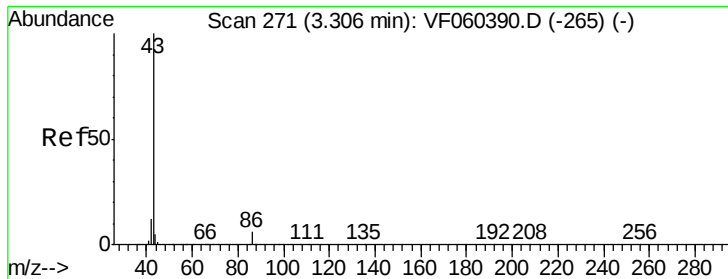
Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	45	Resp:	217038
Ion	Ratio	Lower	Upper
45	100		
43	50.3	43.8	65.8
87	18.1	16.3	24.5
59	8.3	6.6	10.0





#23

Vinyl Acetate

Concen: 109.641 ug/l

RT: 3.29 min Scan# 269

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

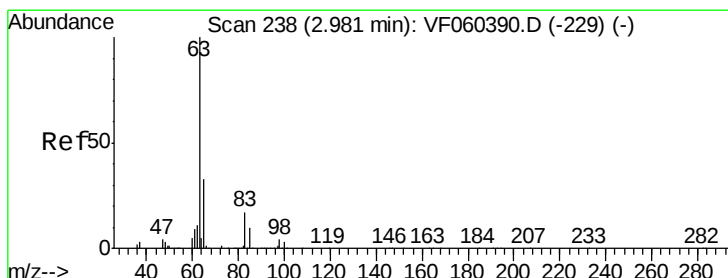
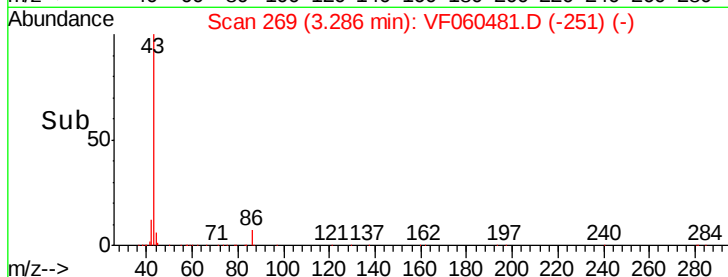
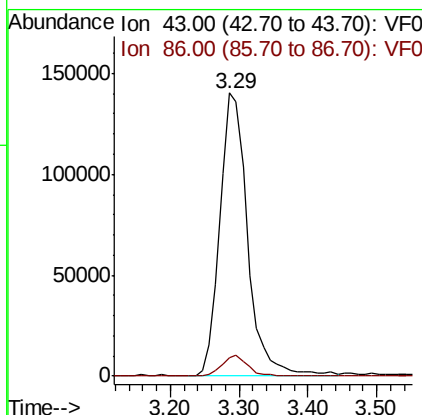
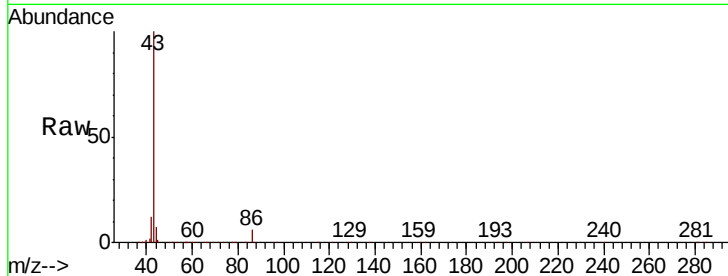
ClientSampleId :

VF1008SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.1	7.7

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#24

1,1-Dichloroethane

Concen: 23.784 ug/l

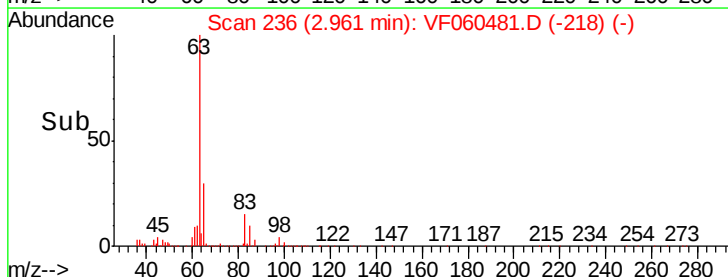
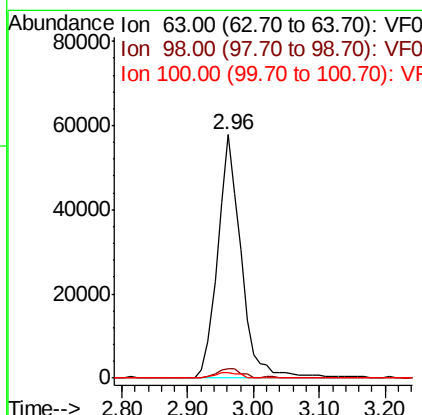
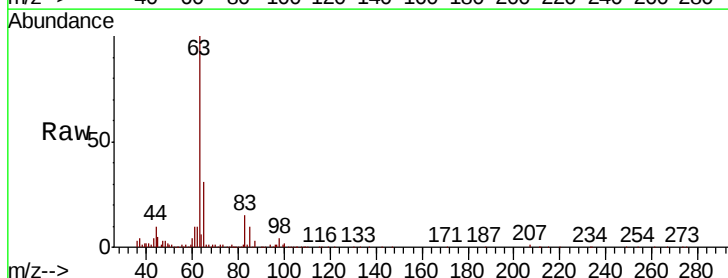
RT: 2.96 min Scan# 236

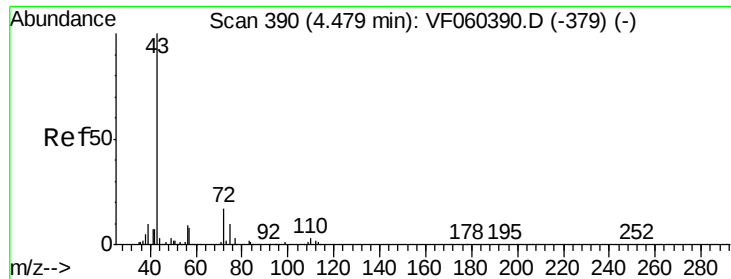
Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.0	5.8
100	2.4	1.4	4.2





#25

2-Butanone

Concen: 116.153 ug/l

RT: 4.46 min Scan# 388

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion: 43 Resp: 118927

Ion Ratio Lower Upper

43 100

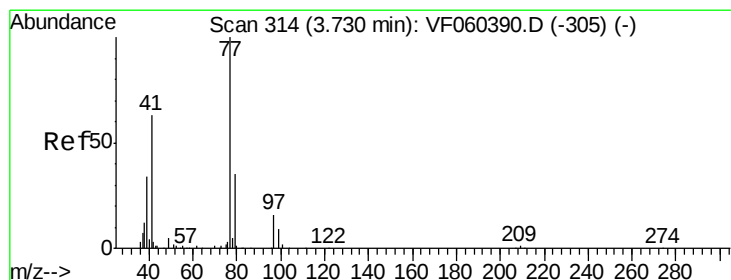
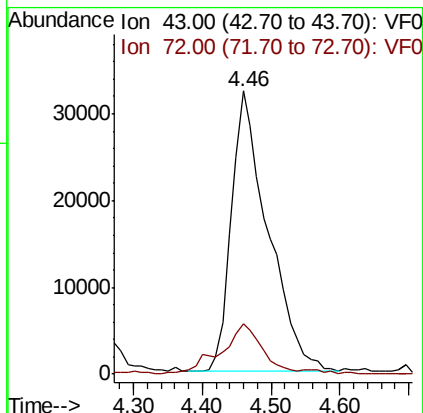
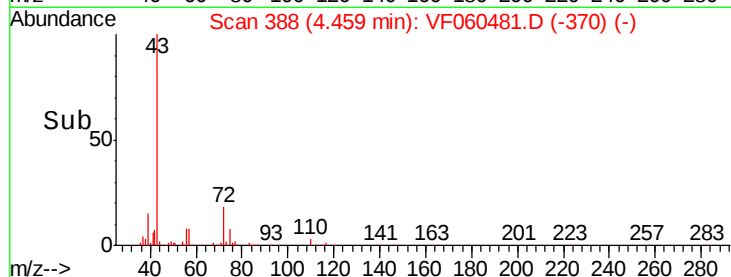
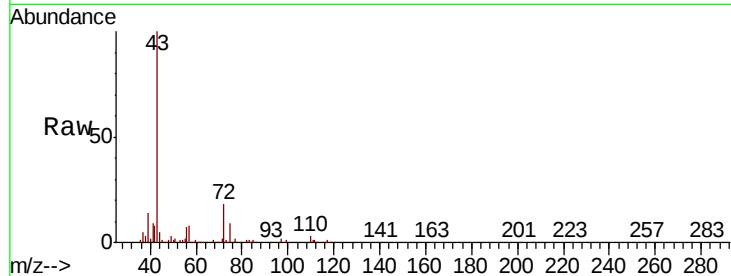
72 17.8 14.1 21.1

Manual Integrations

APPROVED

apatel

10/9/2018 8:53:27 AM



#26

2,2-Dichloropropane

Concen: 23.160 ug/l

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060481.D

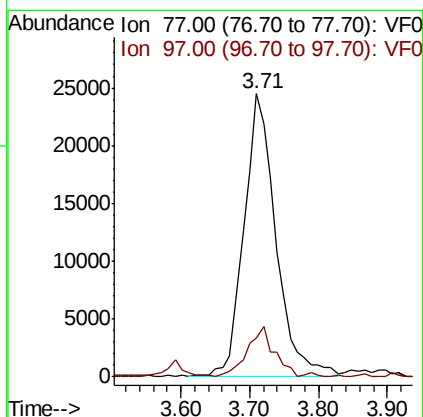
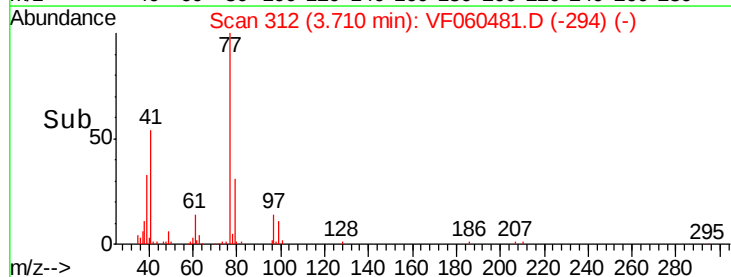
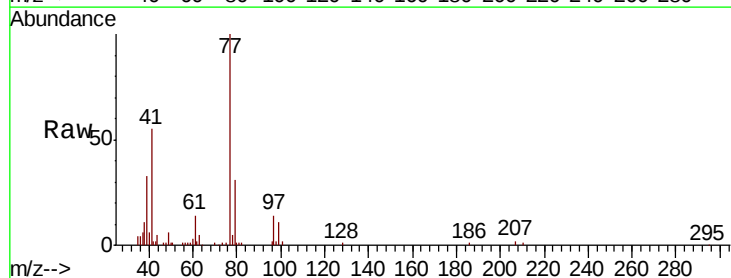
Acq: 8 Oct 2018 12:57

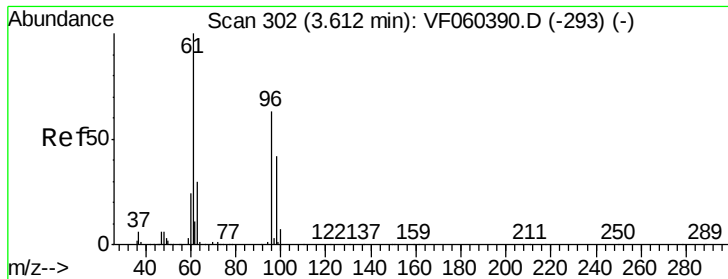
Tgt Ion: 77 Resp: 79081

Ion Ratio Lower Upper

77 100

97 13.9 8.3 25.1





#27

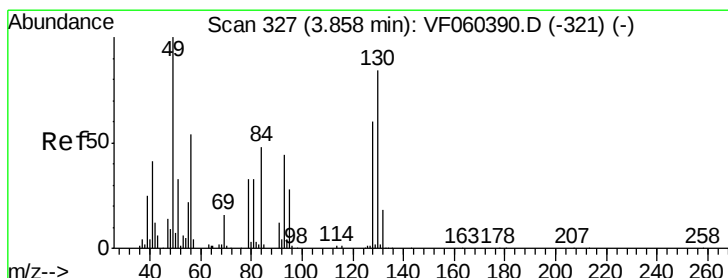
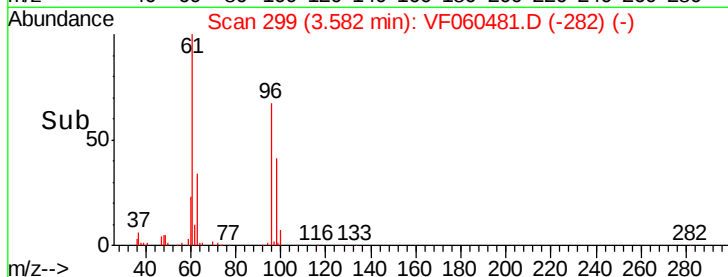
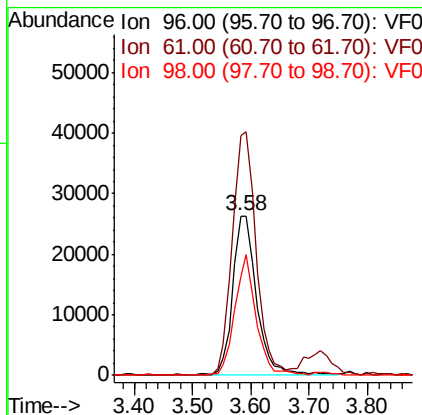
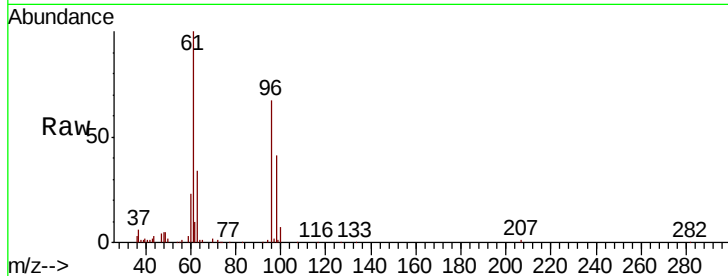
cis-1,2-Dichloroethene
Concen: 22.181 ug/l
RT: 3.58 min Scan# 299
Delta R.T. -0.03 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	75923		
61	150.0	0.0	318.2	
98	61.8	0.0	134.0	

Manual Integrations
APPROVED

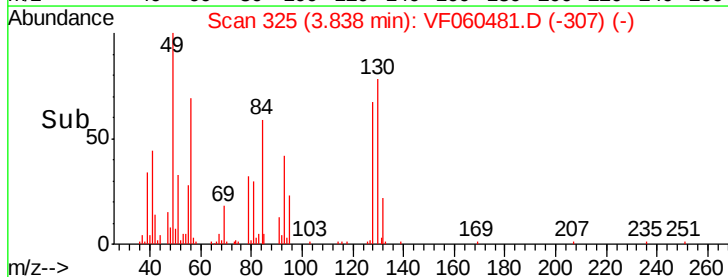
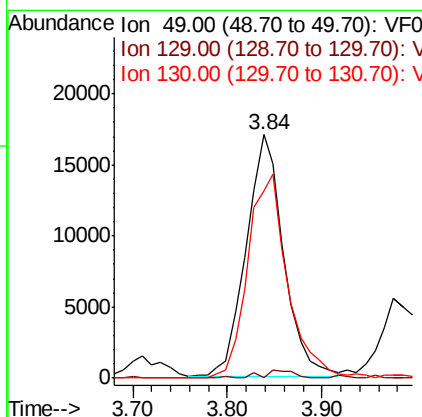
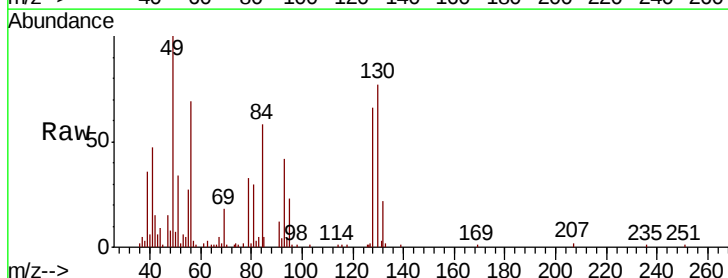
apatel
10/9/2018 8:53:27 AM

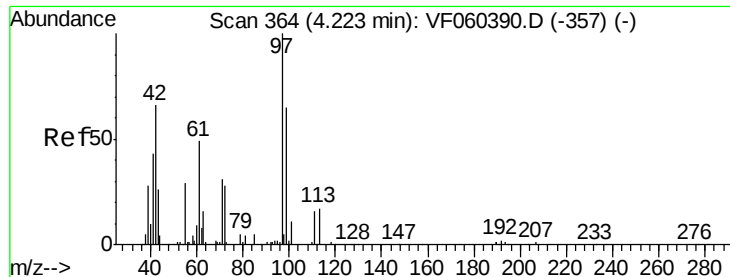


#28

Bromochloromethane
Concen: 20.925 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46494		
129	0.0	0.0	4.6	
130	77.1	67.3	100.9	





#29

Tetrahydrofuran

Concen: 114.501 ug/l

RT: 4.21 min Scan# 363

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

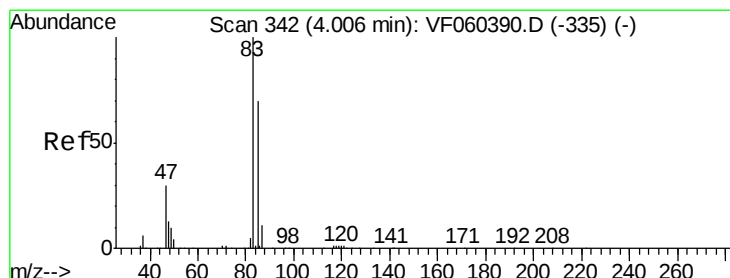
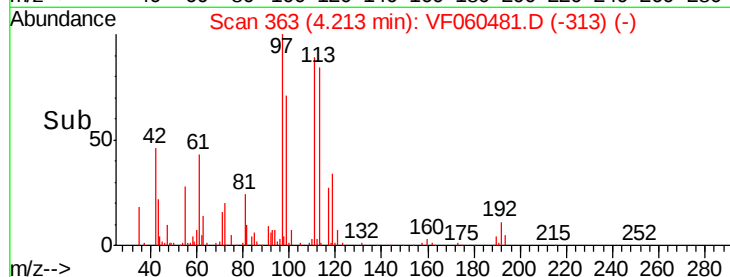
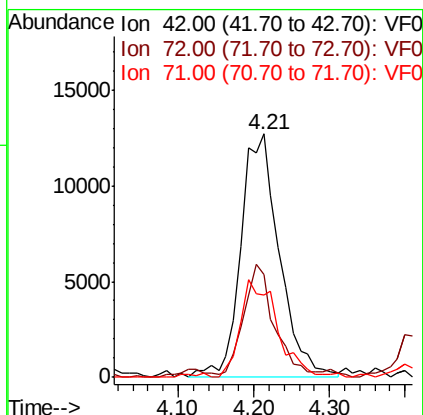
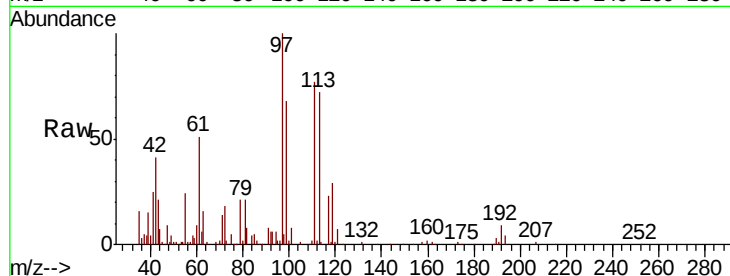
ClientSampleId :

VF1008SBSD01

Tgt Ion:	42	Resp:	45121
Ion Ratio		Lower	Upper
42	100		
72	34.6	33.6	50.4
71	38.1	32.7	49.1

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#30

Chloroform

Concen: 22.614 ug/l

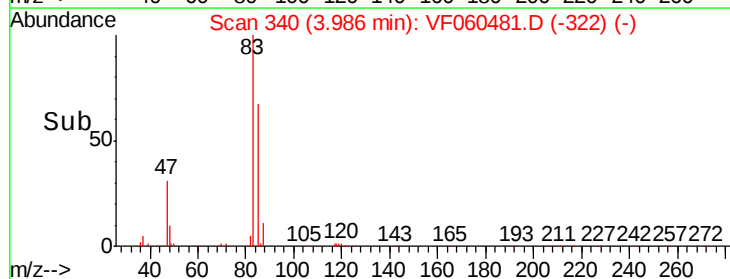
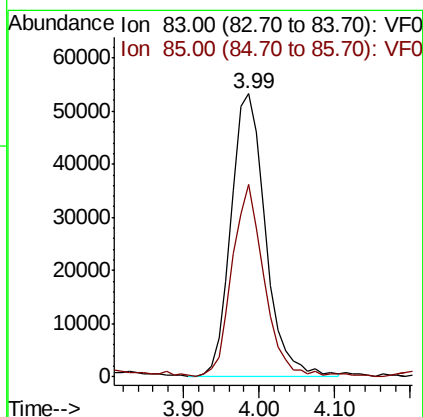
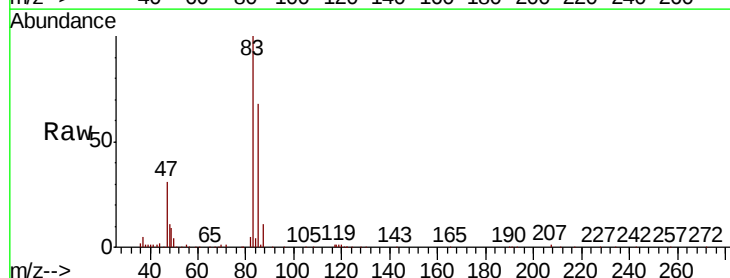
RT: 3.99 min Scan# 340

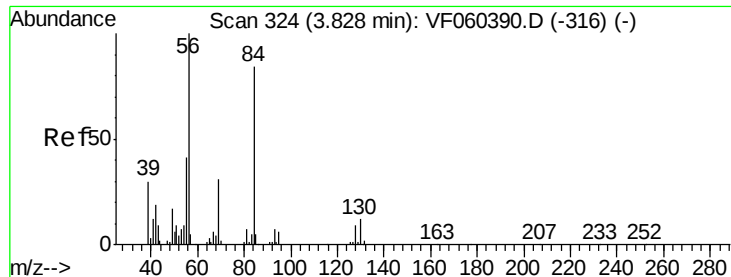
Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	83	Resp:	168232
Ion Ratio		Lower	Upper
83	100		
85	68.1	55.9	83.9





#31

Cyclohexane

Concen: 21.380 ug/l m

RT: 3.81 min Scan# 322

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

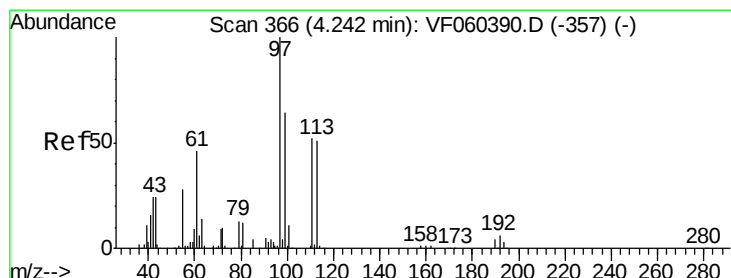
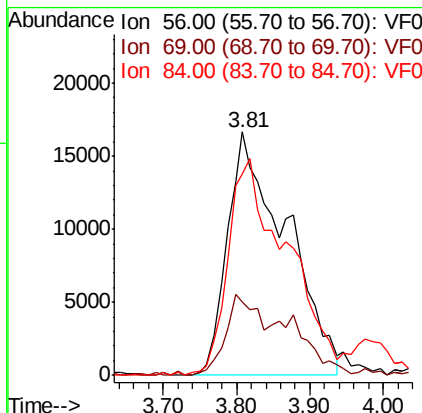
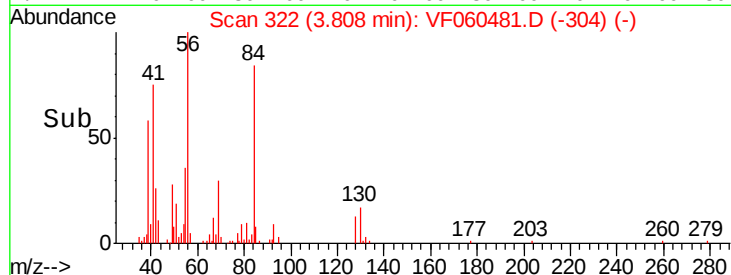
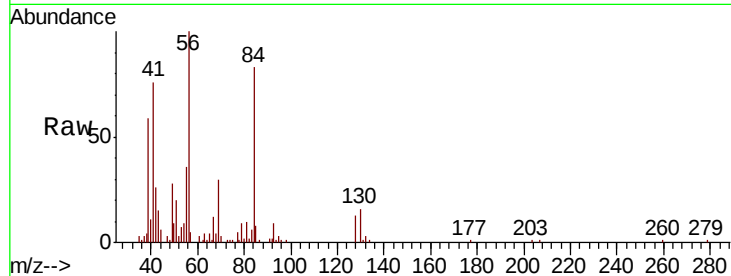
ClientSampleId :

VF1008SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.5	38.3
84	82.8	67.4	101.0

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#32

1,1,1-Trichloroethane

Concen: 22.077 ug/l

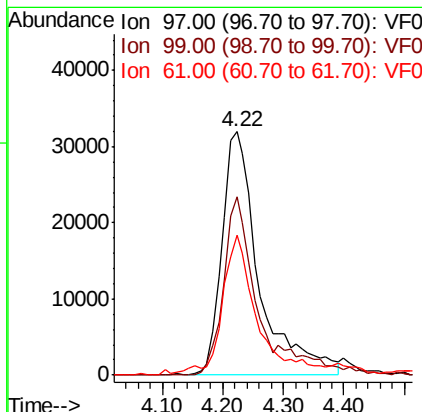
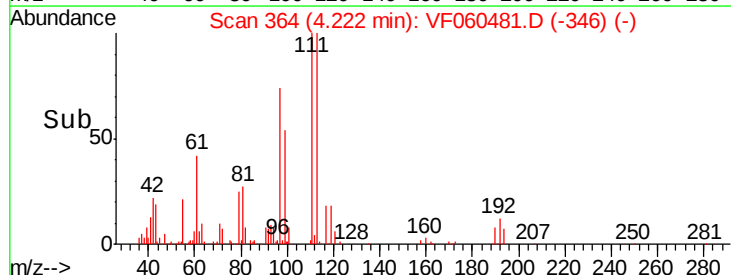
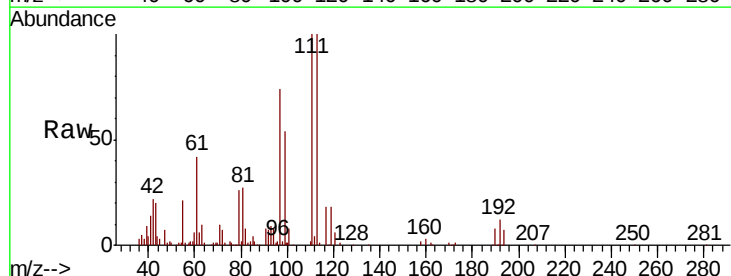
RT: 4.22 min Scan# 364

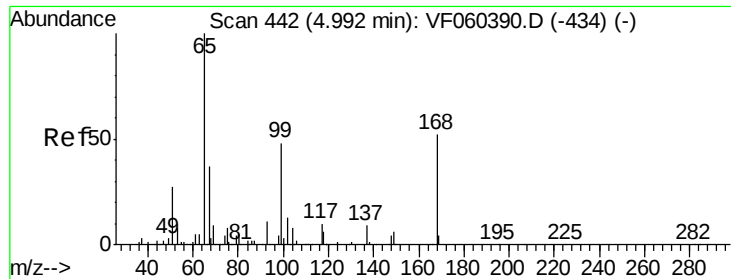
Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	73.3	51.0	76.4
61	57.4	37.5	56.3





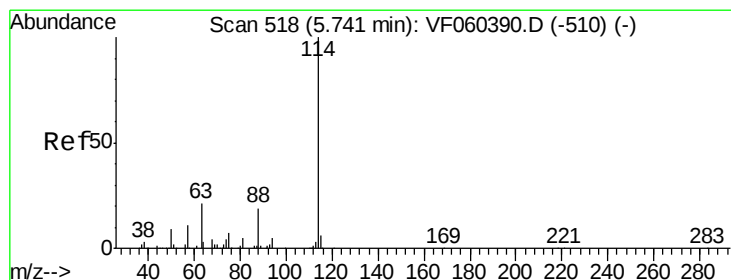
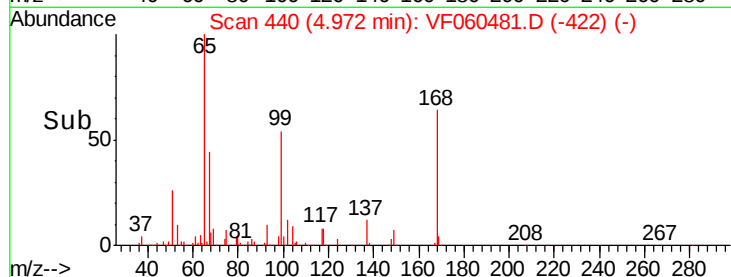
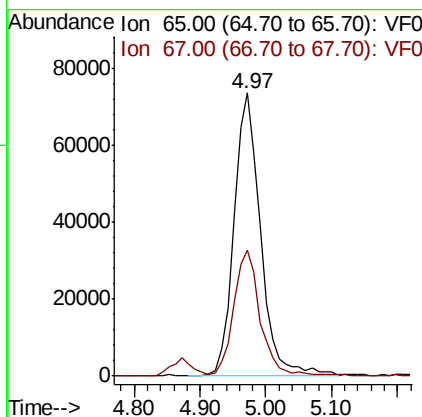
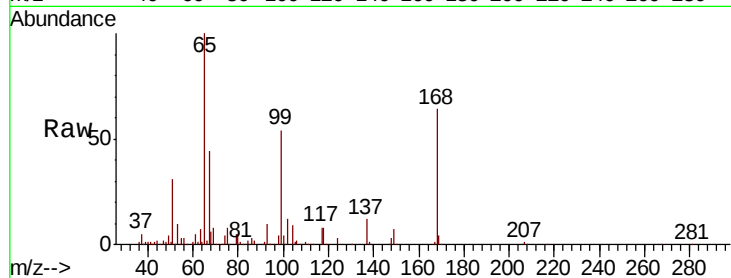
#33
 1,2-Dichloroethane-d4
 Concen: 52.767 ug/l
 RT: 4.97 min Scan# 440
 Delta R.T. -0.02 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	208651		
67	44.3	0.0	89.4	

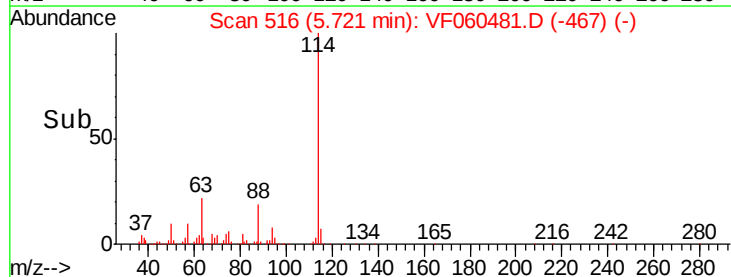
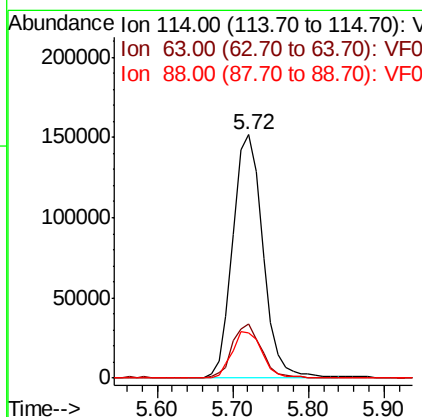
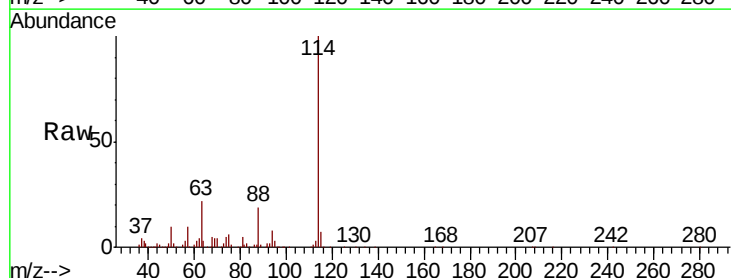
Manual Integrations
 APPROVED

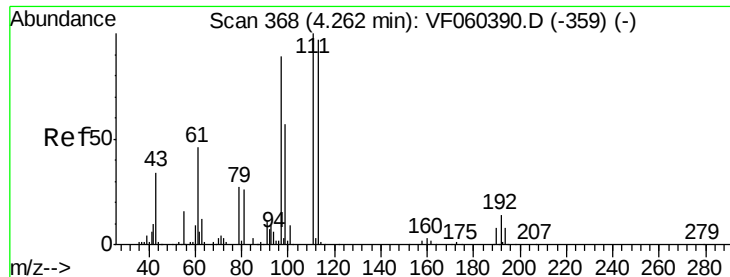
apatel
 10/9/2018 8:53:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.72 min Scan# 516
 Delta R.T. -0.02 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419762		
63	22.0	0.0	42.2	
88	18.8	0.0	38.8	





#35

Dibromofluoromethane

Concen: 54.287 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

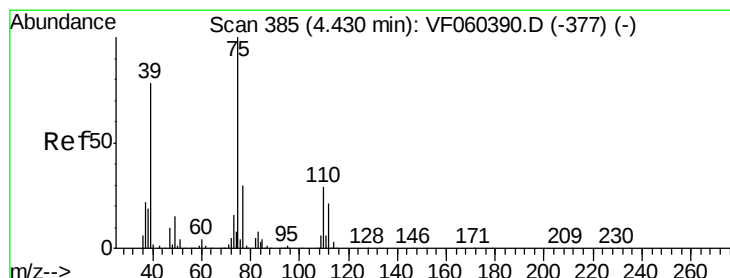
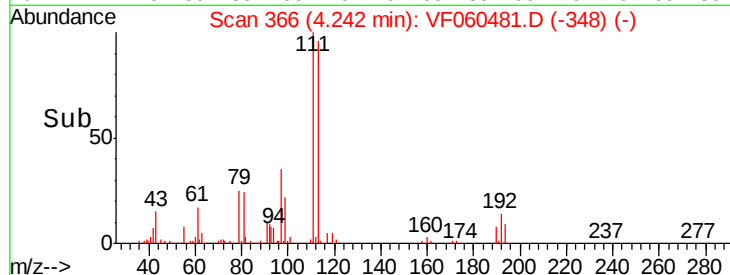
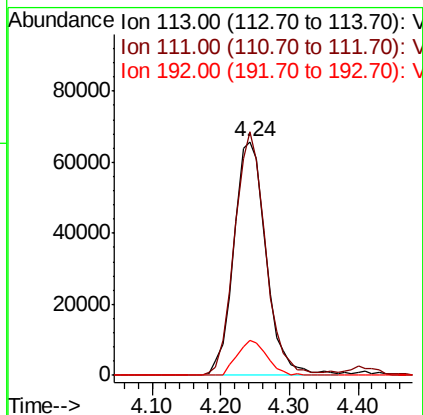
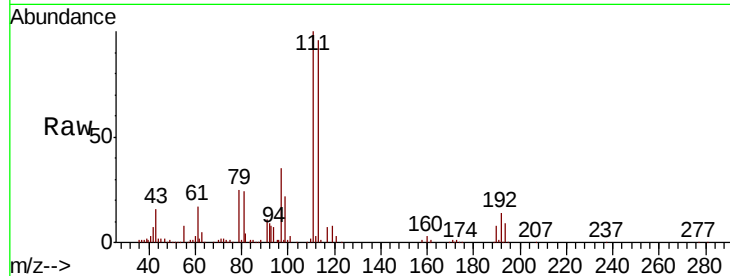
ClientSampleId :

VF1008SBSD01

Tgt Ion:	113	Resp:	214074
Ion Ratio	Lower	Upper	
113	100		
111	104.3	82.3	123.5
192	14.8	11.8	17.6

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#36

1,1-Dichloropropene

Concen: 22.189 ug/l

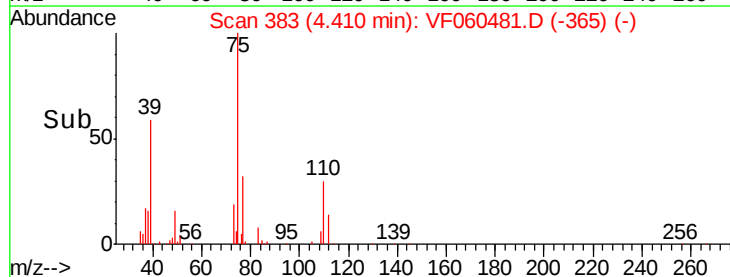
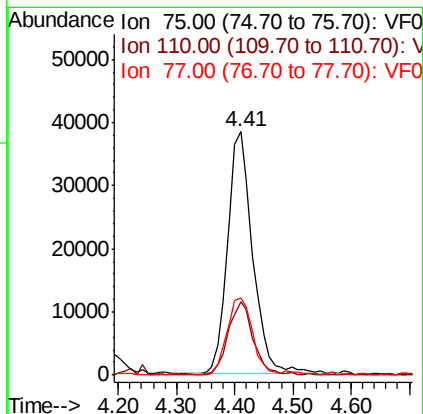
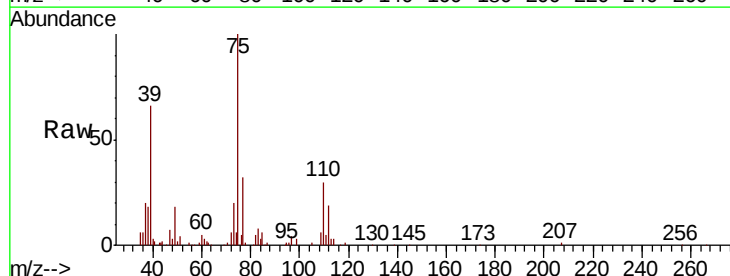
RT: 4.41 min Scan# 383

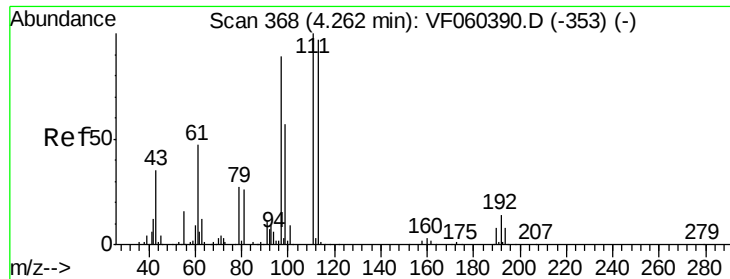
Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	75	Resp:	114837
Ion Ratio	Lower	Upper	
75	100		
110	30.0	14.5	43.6
77	31.6	24.3	36.5





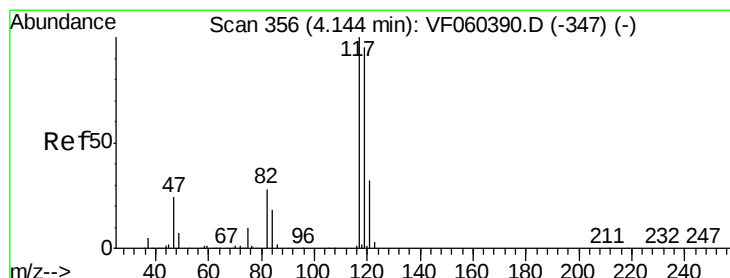
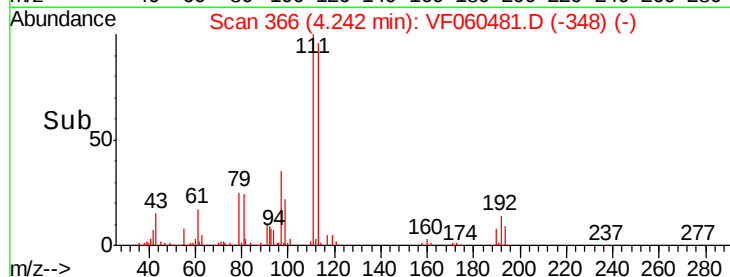
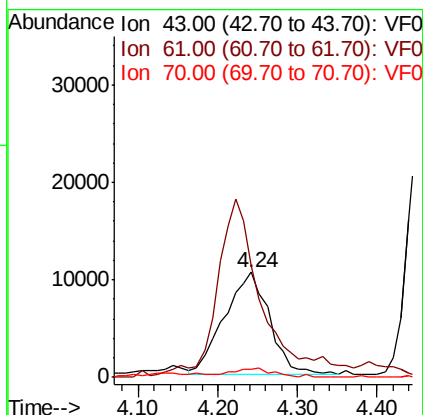
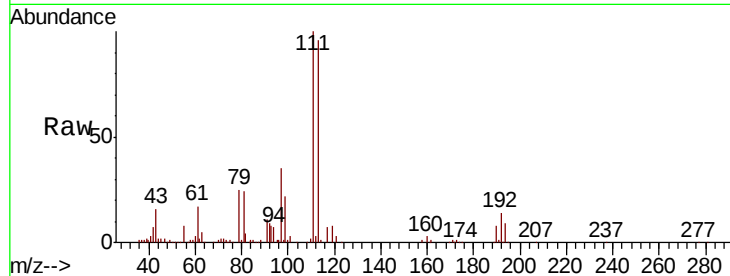
#37
Ethyl Acetate
Concen: 20.818 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	106.9	105.1	157.7
70	7.7	8.0	12.0

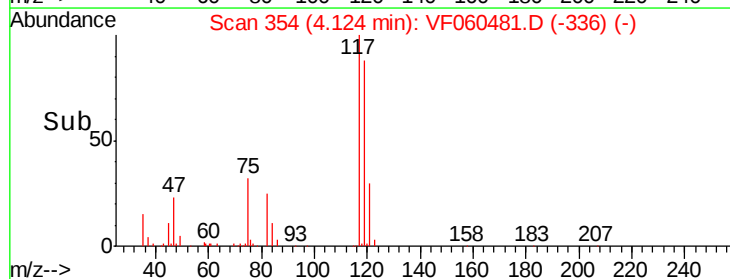
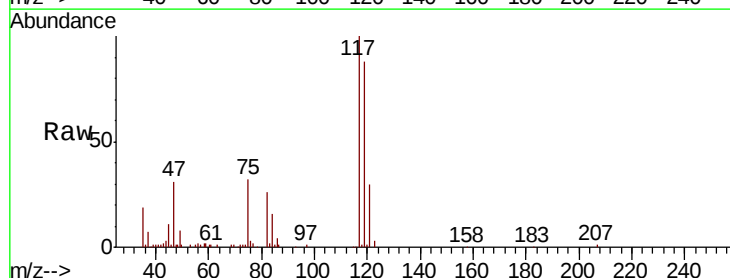
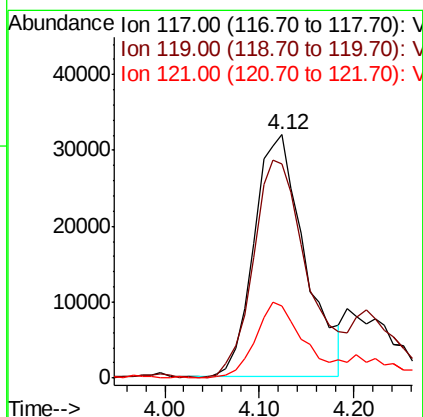
Manual Integrations
APPROVED

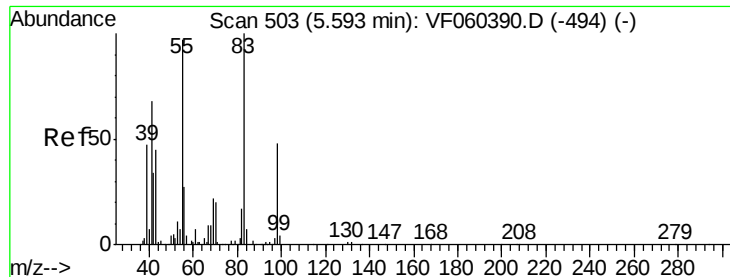
apatel
10/9/2018 8:53:27 AM



#38
Carbon Tetrachloride
Concen: 18.820 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.2	75.5	113.3
121	29.7	25.4	38.0





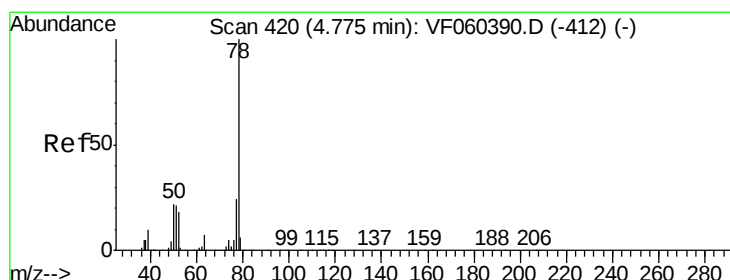
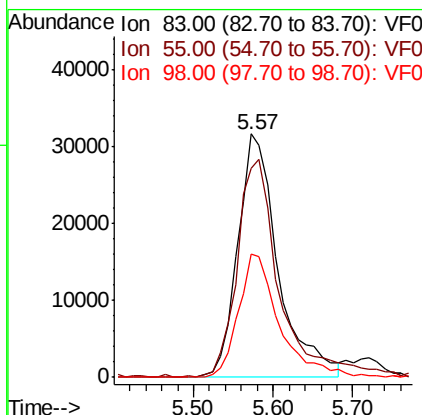
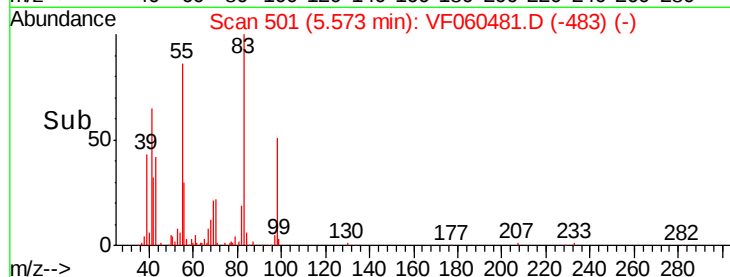
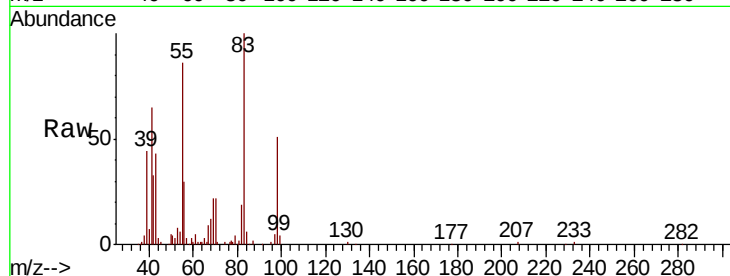
#39
Methylcyclohexane
Concen: 21.908 ug/l
RT: 5.57 min Scan# 501
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.6	77.5	116.3
98	50.9	38.7	58.1

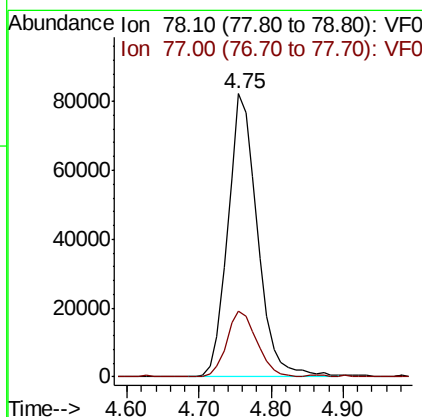
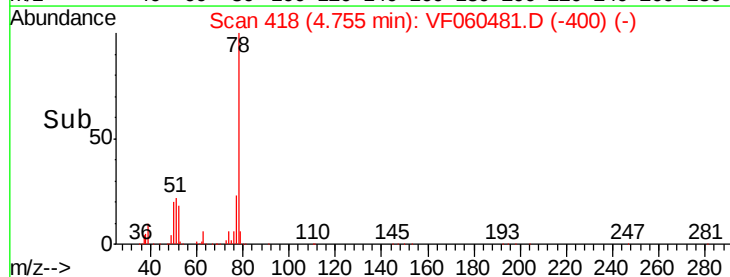
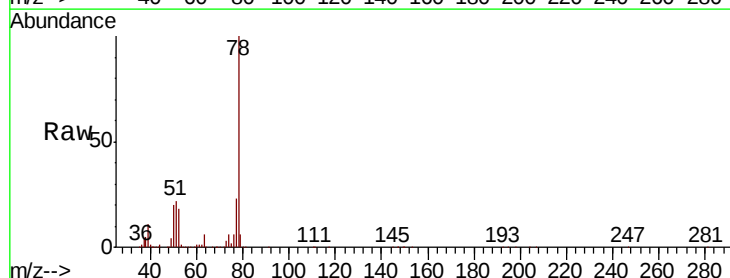
Manual Integrations
APPROVED

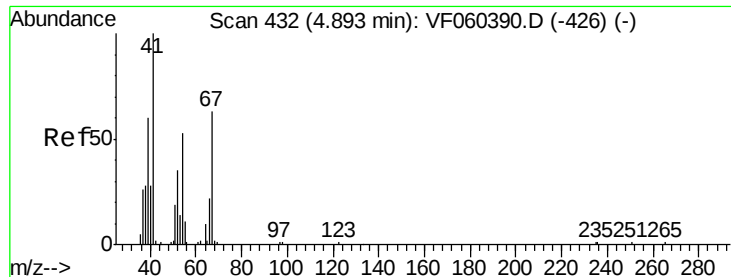
apatel
10/9/2018 8:53:27 AM



#40
Benzene
Concen: 22.865 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 20.045 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

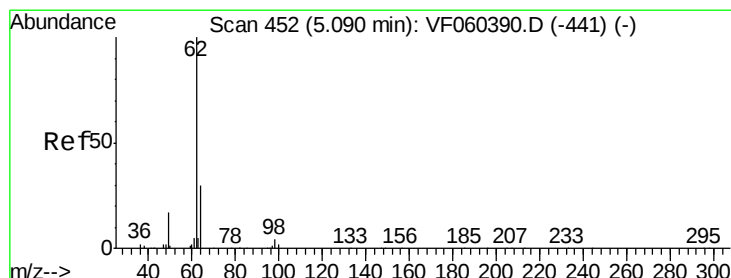
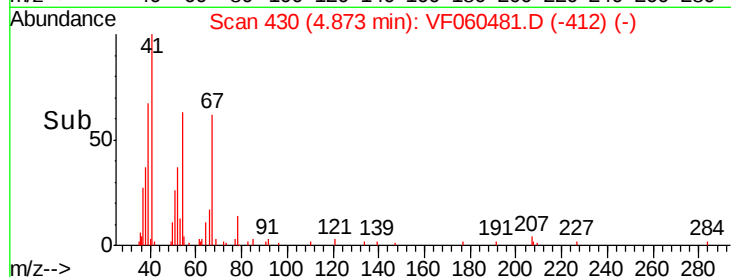
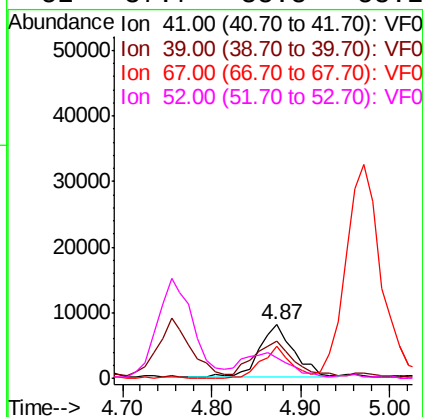
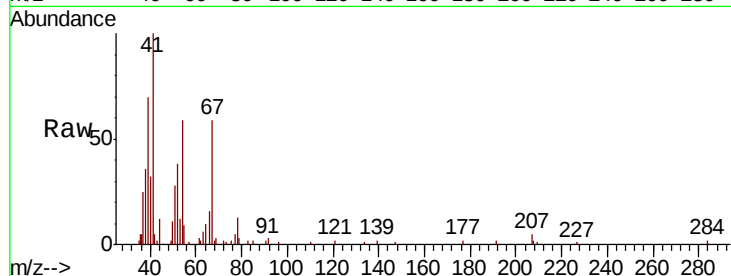
VF1008SBSD01

Manual Integrations
APPROVED

apatel

10/9/2018 8:53:27 AM

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.1	55.0	82.4
67	59.3	49.6	74.4
52	37.7	38.8	58.2#



#42

1,2-Dichloroethane

Concen: 20.005 ug/l

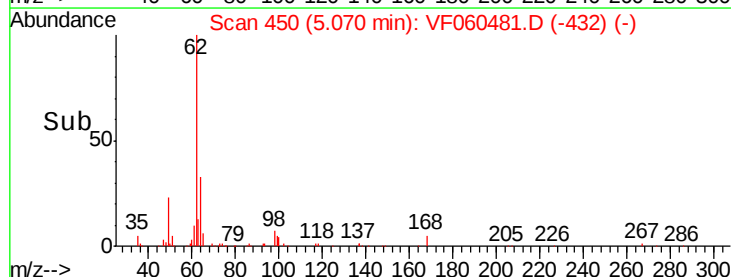
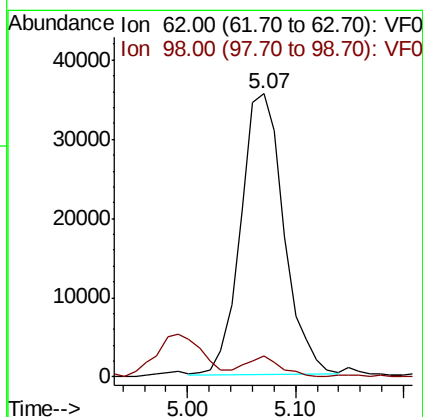
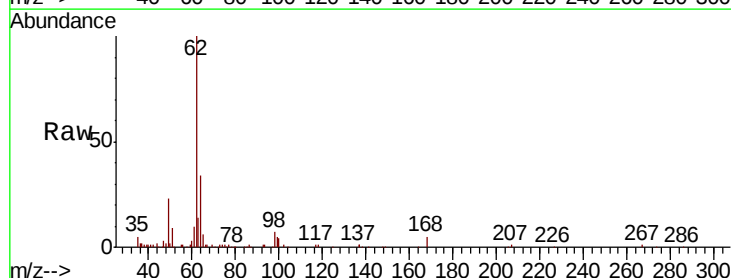
RT: 5.07 min Scan# 450

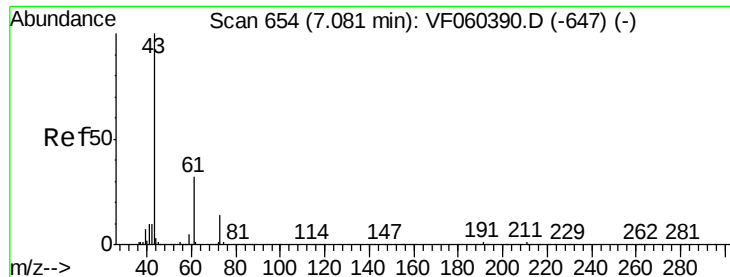
Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	11.2





#43

Isopropyl Acetate

Concen: 20.316 ug/l

RT: 7.07 min Scan# 653

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

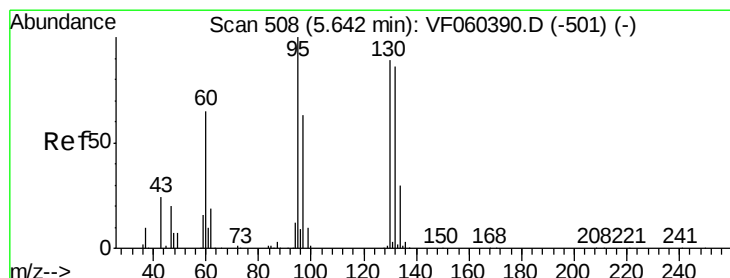
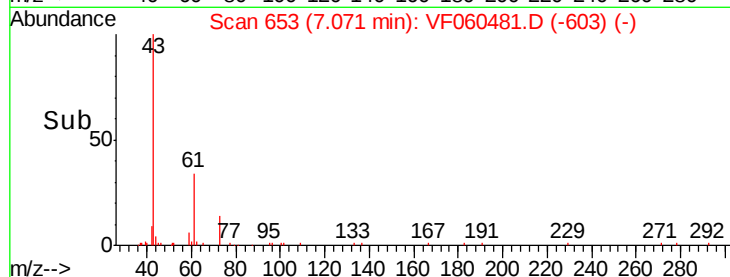
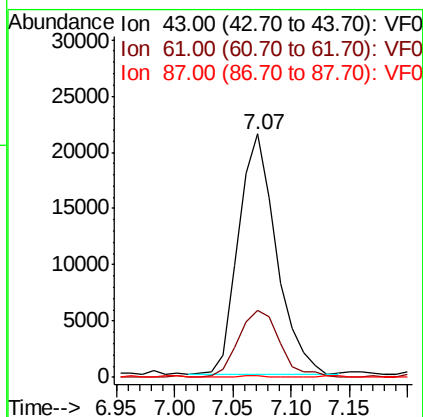
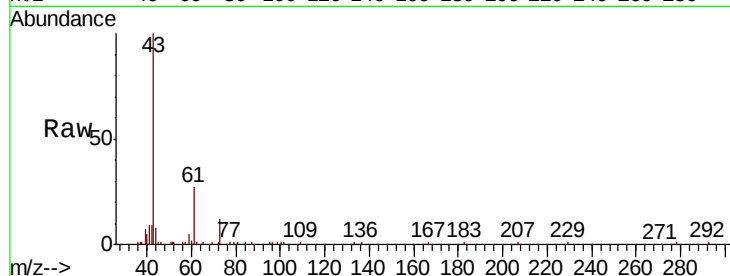
ClientSampleId :

VF1008SBSD01

Tgt Ion:	43	Resp:	48657
Ion Ratio	Lower	Upper	
43	100		
61	27.5	25.4	38.2
87	0.9	0.3	0.5#

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#44

Trichloroethene

Concen: 23.674 ug/l

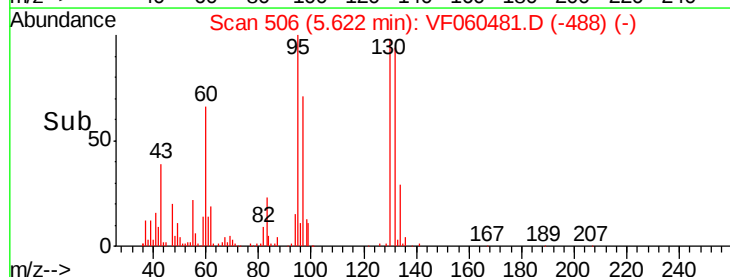
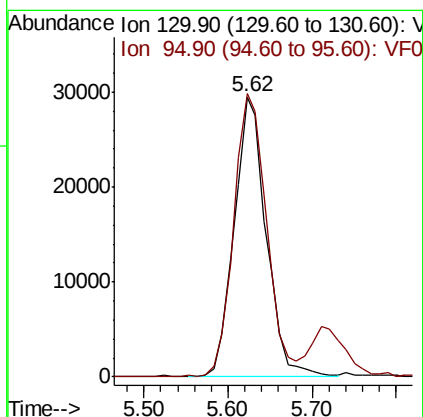
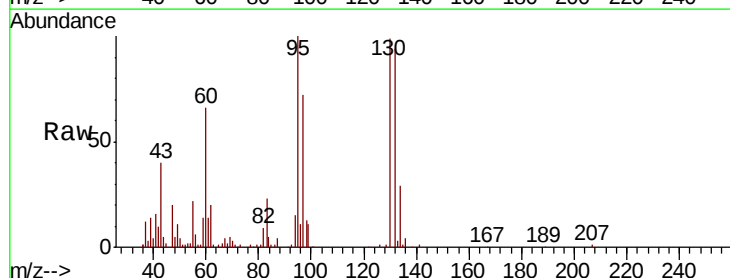
RT: 5.62 min Scan# 506

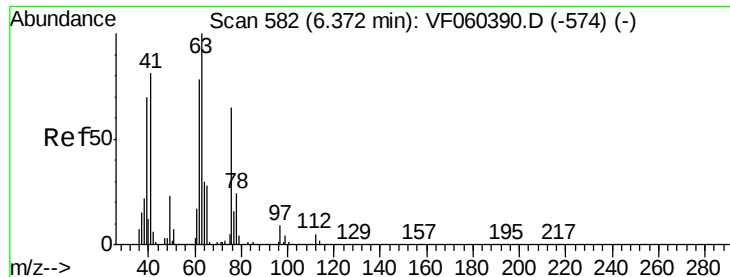
Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	130	Resp:	78042
Ion Ratio	Lower	Upper	
130	100		
95	101.2	0.0	224.4





#45

1,2-Dichloropropane

Concen: 21.245 ug/l

RT: 6.35 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion: 63 Resp: 58128

Ion Ratio Lower Upper

63 100

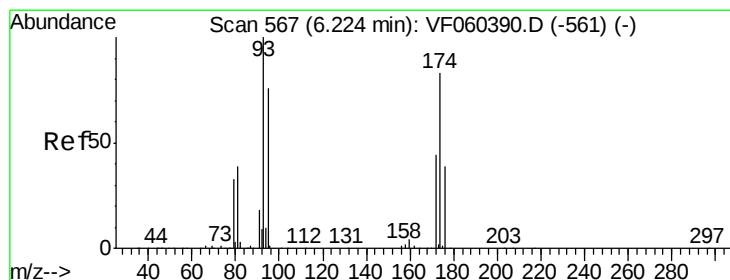
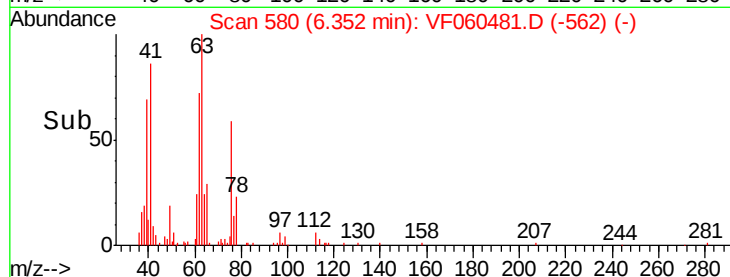
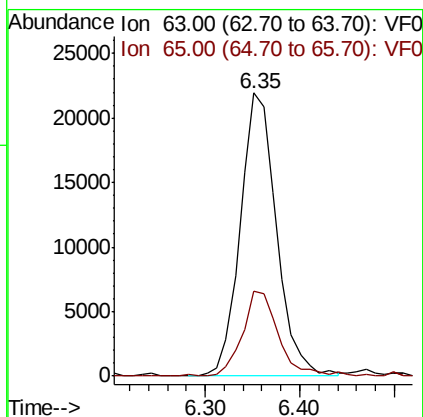
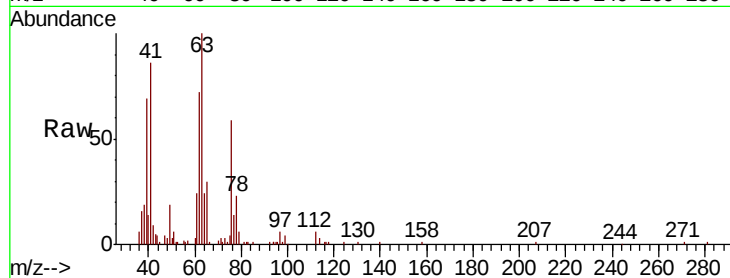
65 30.1 22.7 34.1

Manual Integrations

APPROVED

apatel

10/9/2018 8:53:27 AM



#46

Dibromomethane

Concen: 21.534 ug/l

RT: 6.20 min Scan# 565

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

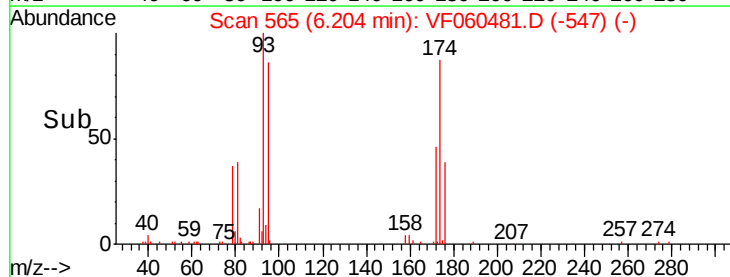
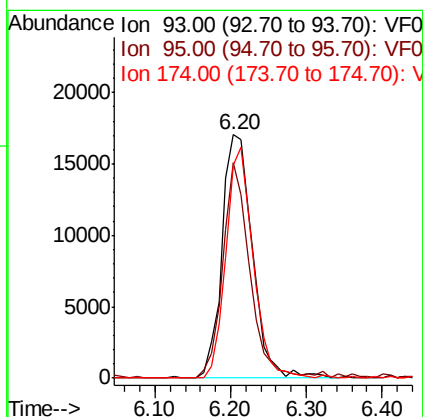
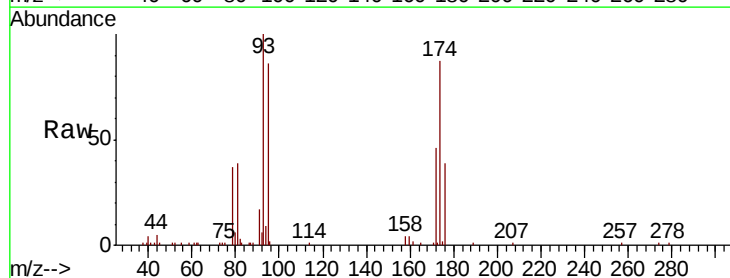
Tgt Ion: 93 Resp: 47371

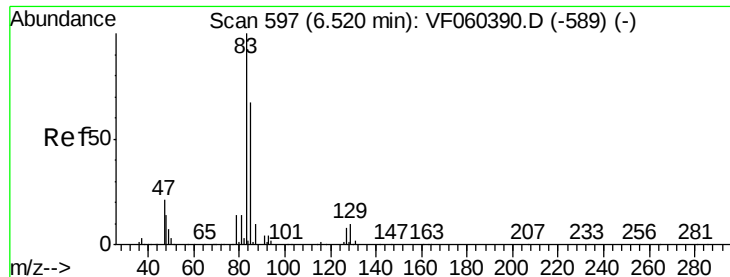
Ion Ratio Lower Upper

93 100

95 88.4 61.1 91.7

174 87.3 66.7 100.1





#47

Bromodichloromethane

Concen: 20.952 ug/l

RT: 6.50 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

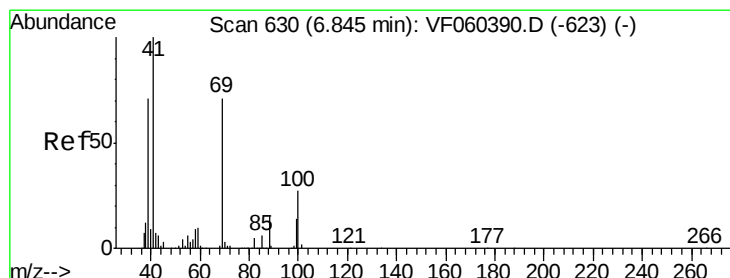
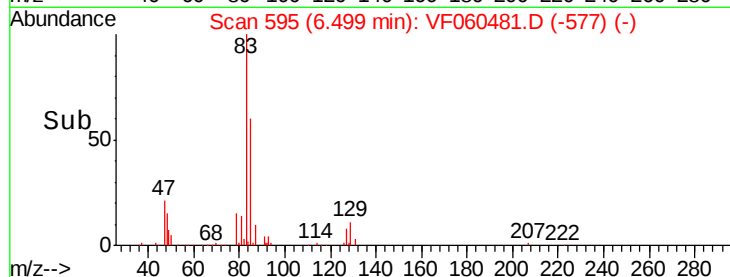
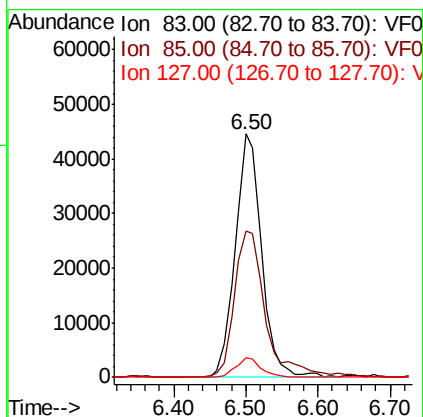
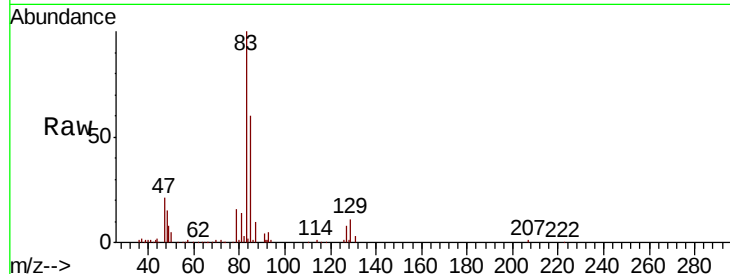
ClientSampleId :

VF1008SBSD01

Tgt Ion:	83	Resp:	114153
Ion Ratio	Lower	Upper	
83	100		
85	60.1	53.2	79.8
127	8.2	6.6	9.8

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#48

Methyl methacrylate

Concen: 21.238 ug/l

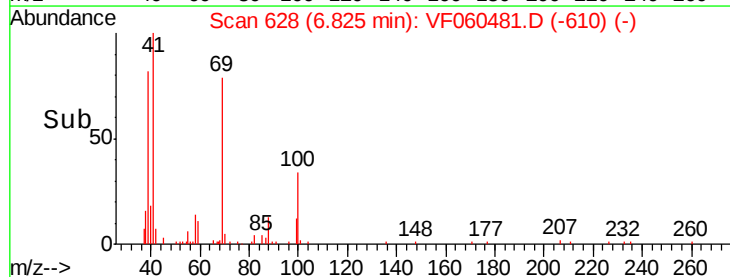
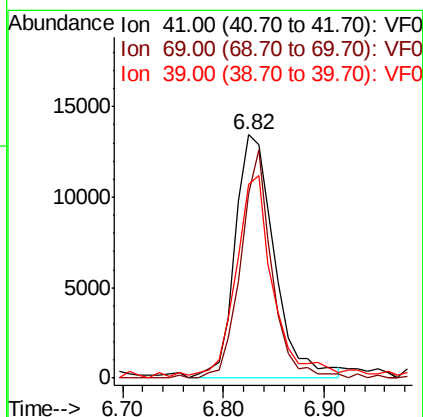
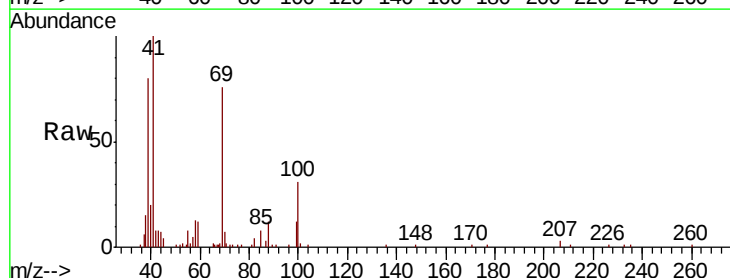
RT: 6.82 min Scan# 628

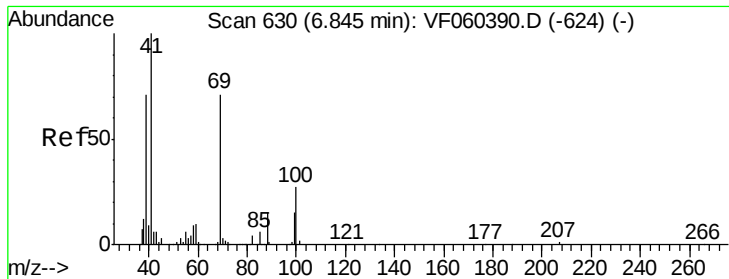
Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	41	Resp:	36512
Ion Ratio	Lower	Upper	
41	100		
69	76.1	56.3	84.5
39	79.6	56.9	85.3





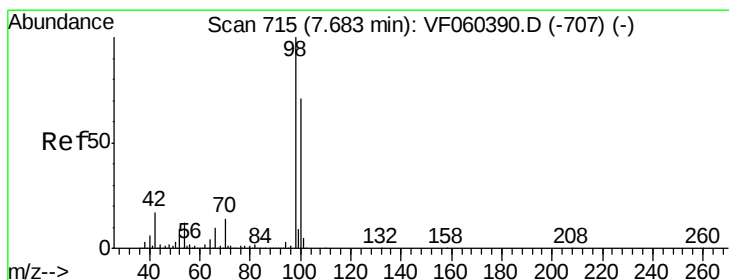
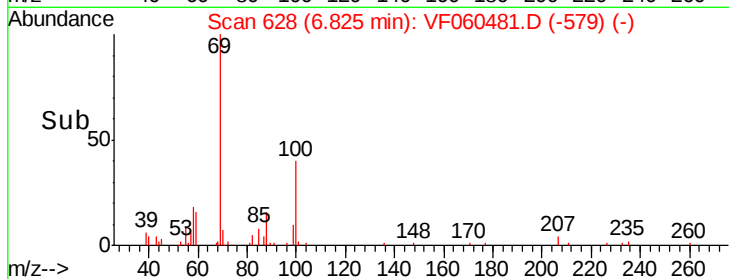
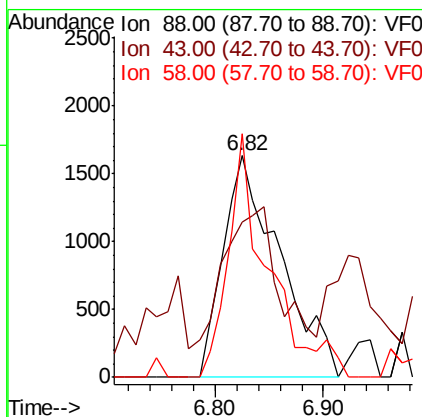
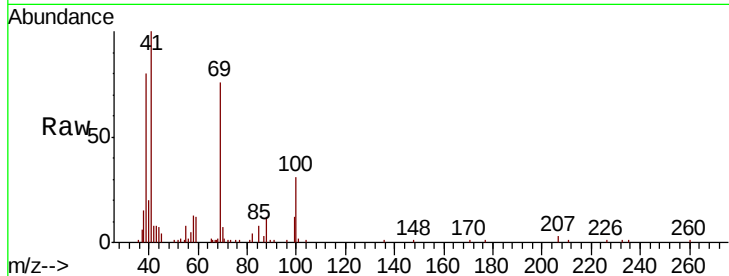
#49
1,4-Dioxane
Concen: 404.292 ug/l
RT: 6.82 min Scan# 628
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	5993		
43	69.9	38.3	57.5#	
58	109.9	47.4	71.2#	

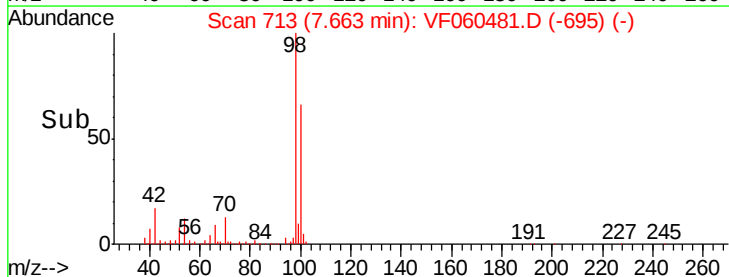
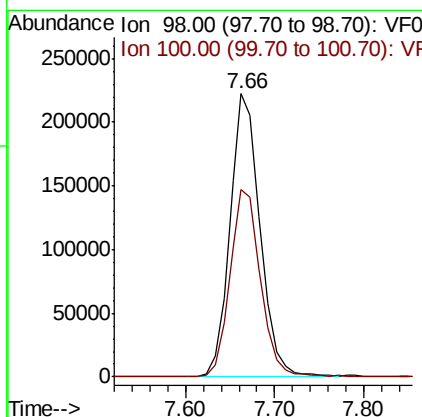
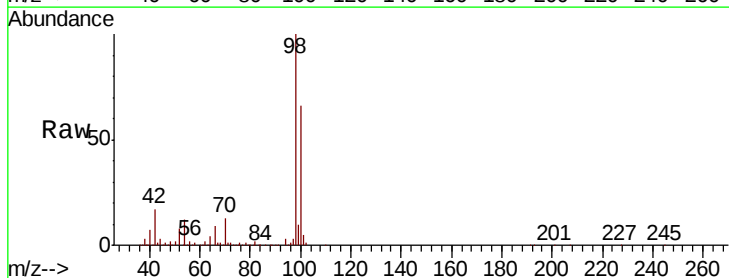
Manual Integrations
APPROVED

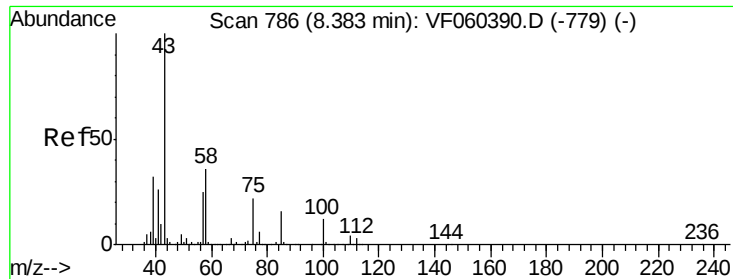
apatel
10/9/2018 8:53:27 AM



#50
Toluene-d8
Concen: 53.981 ug/l
RT: 7.66 min Scan# 713
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	524252		
100	66.4	56.5	84.7	





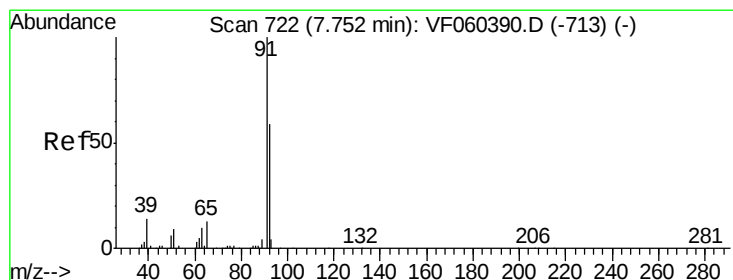
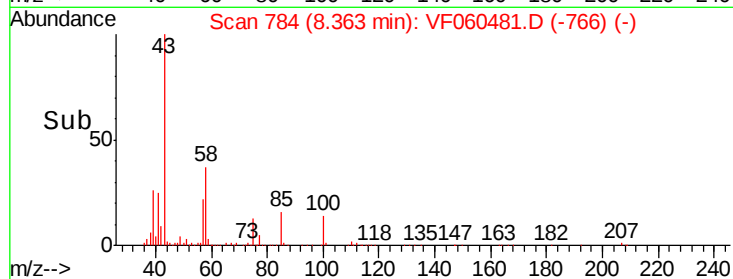
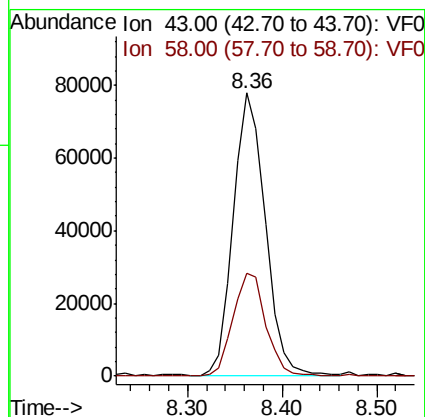
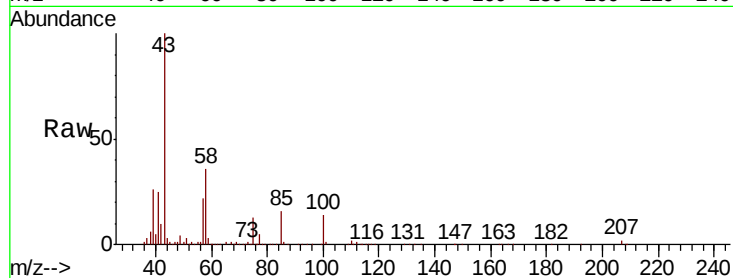
#51
4-Methyl-2-Pentanone
Concen: 107.117 ug/l
RT: 8.36 min Scan# 784
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion: 43 Resp: 182621
Ion Ratio Lower Upper
43 100
58 36.4 28.5 42.7

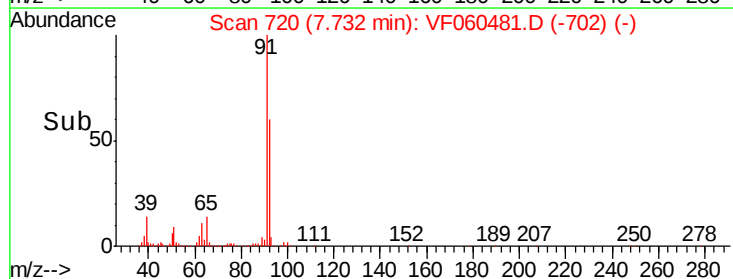
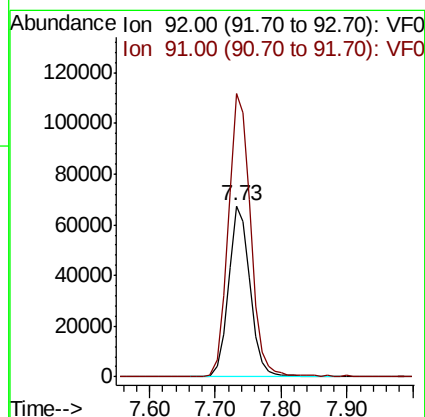
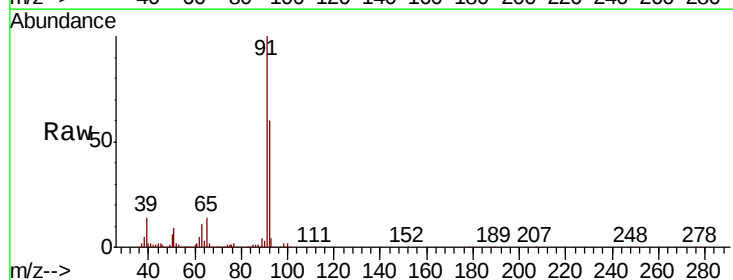
Manual Integrations
APPROVED

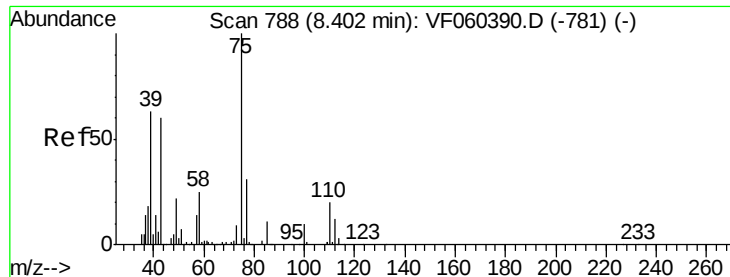
apatel
10/9/2018 8:53:27 AM



#52
Toluene
Concen: 22.199 ug/l
RT: 7.73 min Scan# 720
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion: 92 Resp: 154909
Ion Ratio Lower Upper
92 100
91 165.4 135.4 203.0





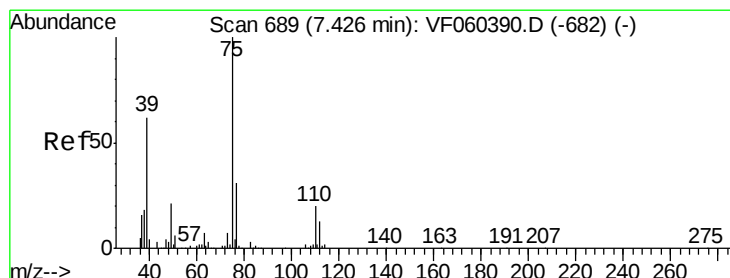
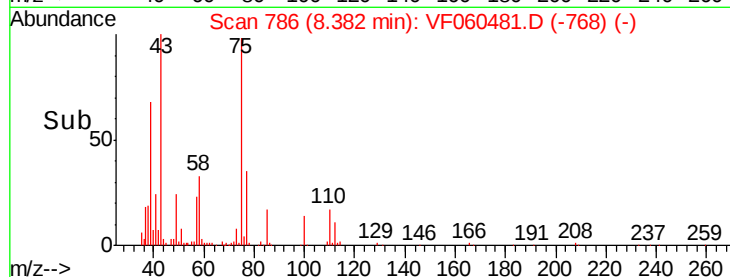
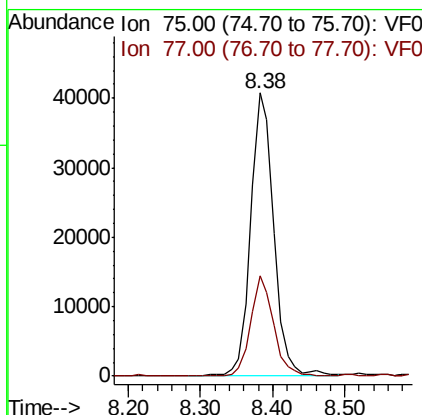
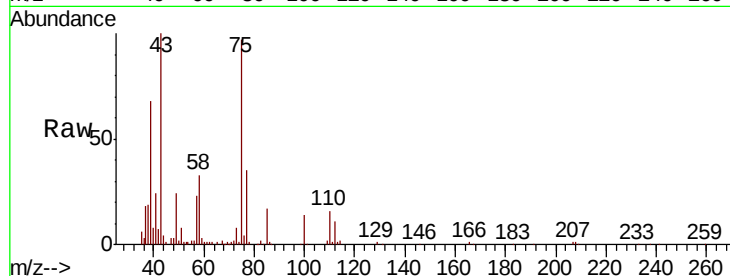
#53
t-1,3-Dichloropropene
Concen: 21.505 ug/l
RT: 8.38 min Scan# 786
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion: 75 Resp: 91822
Ion Ratio Lower Upper
75 100
77 35.4 24.6 36.8

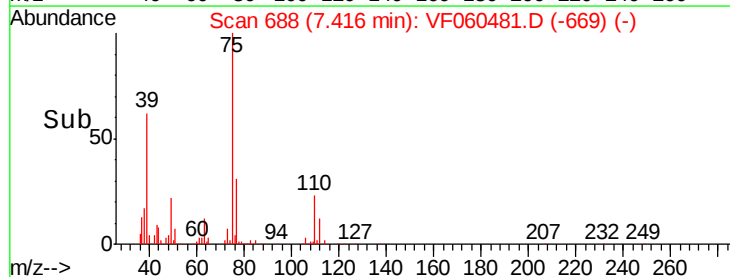
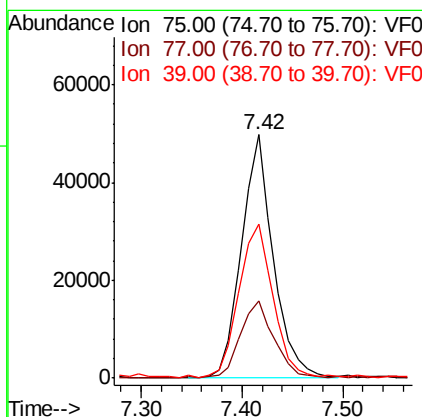
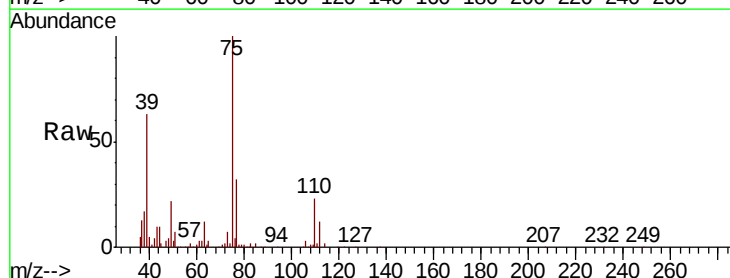
Manual Integrations
APPROVED

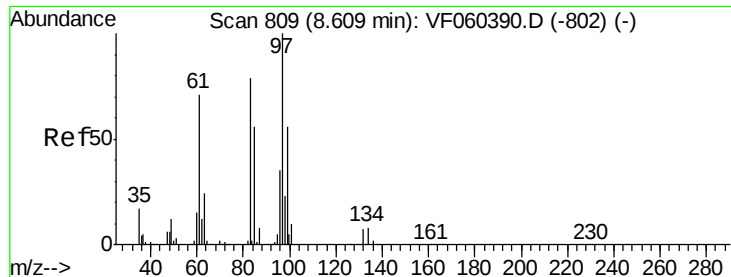
apatel
10/9/2018 8:53:27 AM



#54
cis-1,3-Dichloropropene
Concen: 21.982 ug/l
RT: 7.42 min Scan# 688
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion: 75 Resp: 109691
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 63.3 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 20.621 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

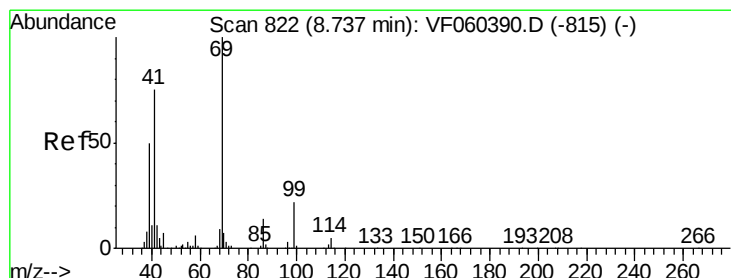
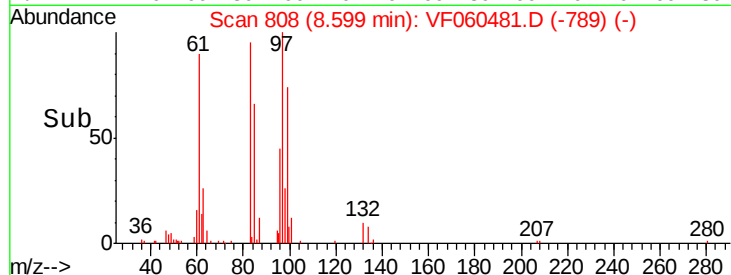
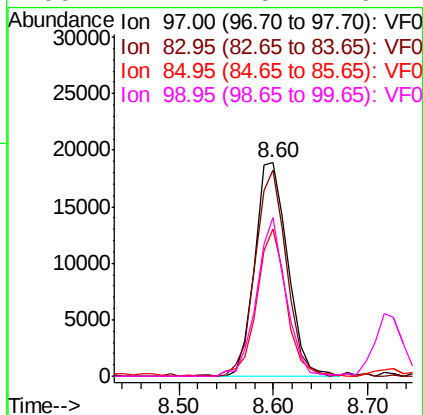
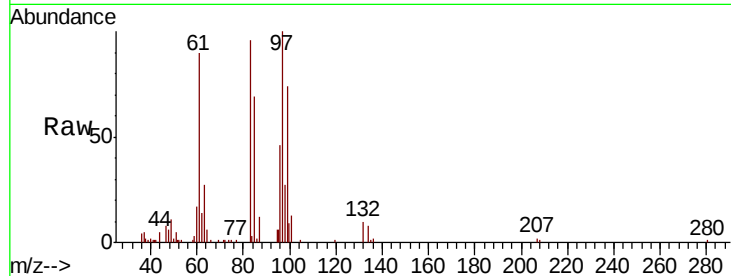
ClientSampleId :

VF1008SBSD01

Tgt Ion:	97	Resp:	45613
Ion Ratio	Lower	Upper	
97	100		
83	96.4	63.4	95.0#
85	69.0	44.5	66.7#
99	74.1	45.1	67.7#

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#56

Ethyl methacrylate

Concen: 21.629 ug/l

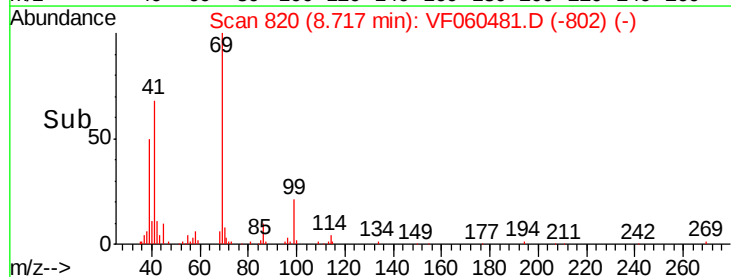
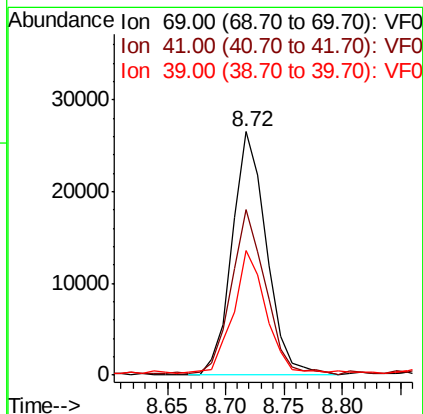
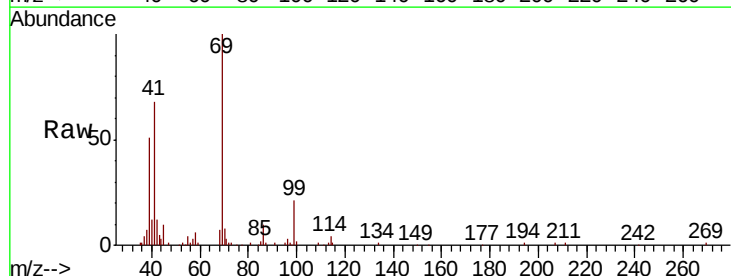
RT: 8.72 min Scan# 820

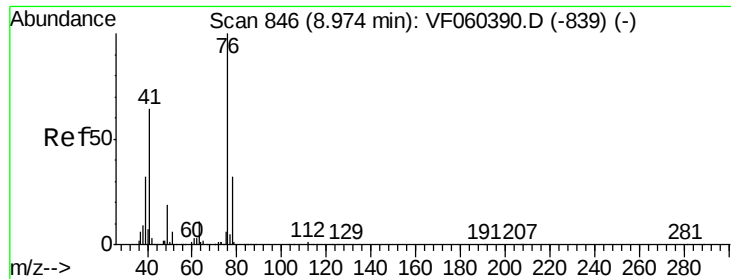
Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	69	Resp:	54363
Ion Ratio	Lower	Upper	
69	100		
41	68.2	60.2	90.4
39	51.4	40.2	60.2





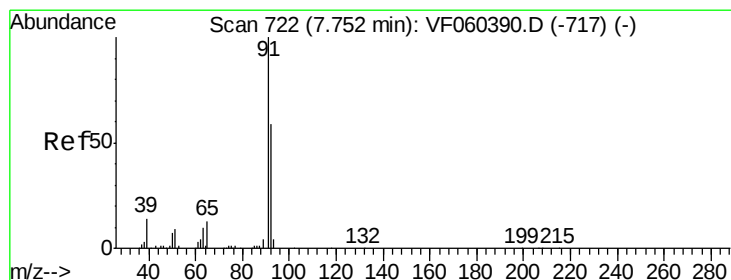
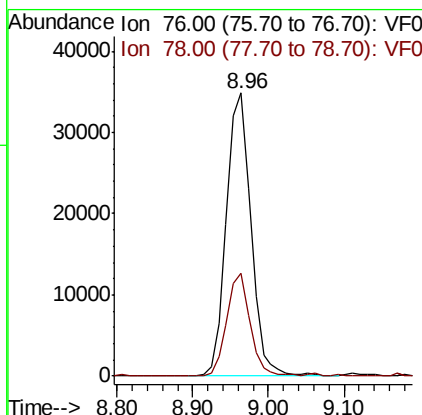
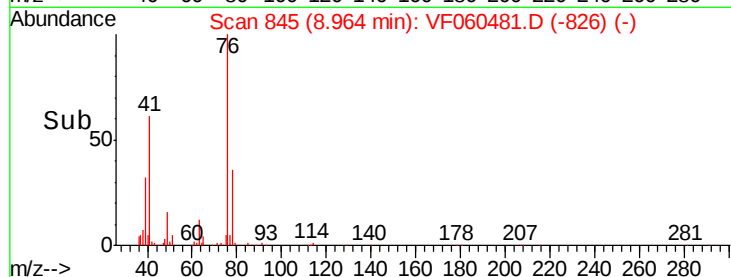
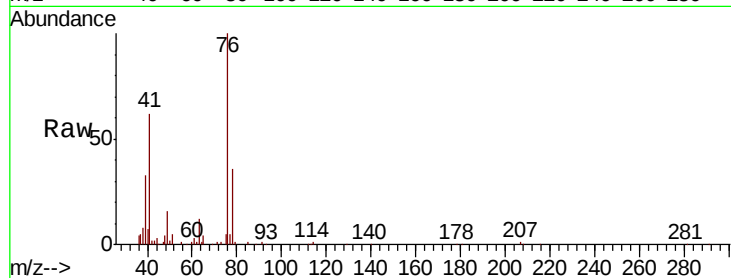
#57
 1,3-Dichloropropane
 Concen: 21.023 ug/l
 RT: 8.96 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Tgt Ion: 76 Resp: 78670
 Ion Ratio Lower Upper
 76 100
 78 36.5 25.3 37.9

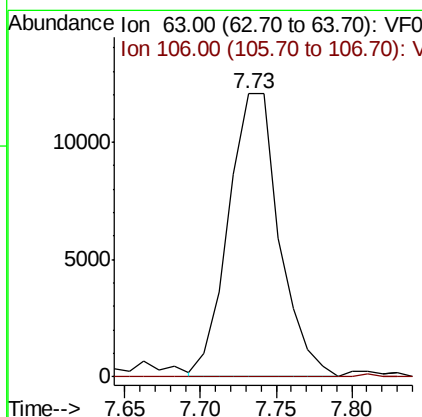
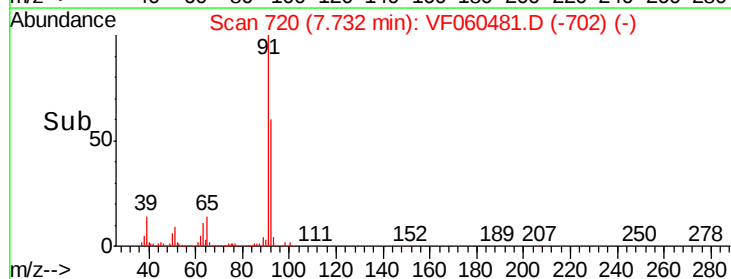
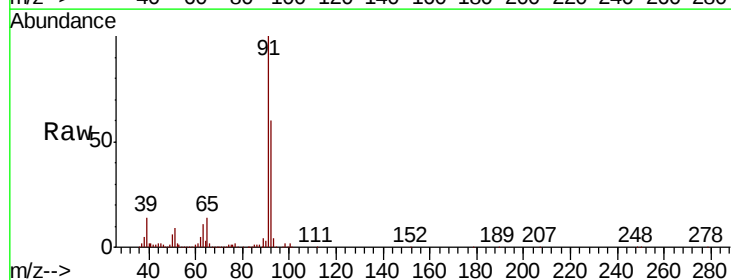
Manual Integrations
 APPROVED

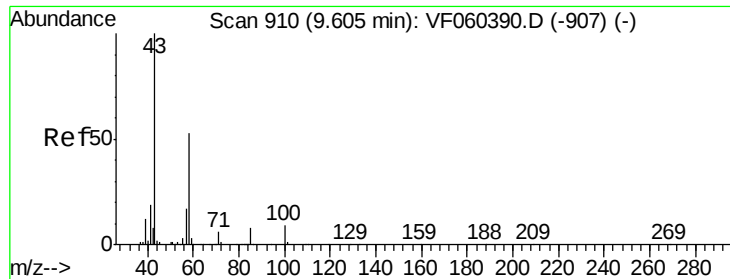
apatel
 10/9/2018 8:53:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.076 ug/l
 RT: 7.73 min Scan# 720
 Delta R.T. -0.02 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Tgt Ion: 63 Resp: 28261
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 120.119 ug/l

RT: 9.59 min Scan# 909

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion: 43 Resp: 150209

Ion Ratio Lower Upper

43 100

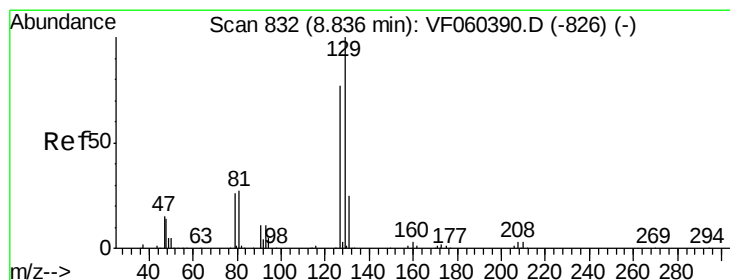
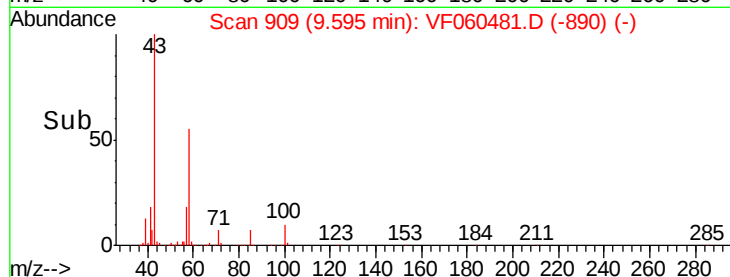
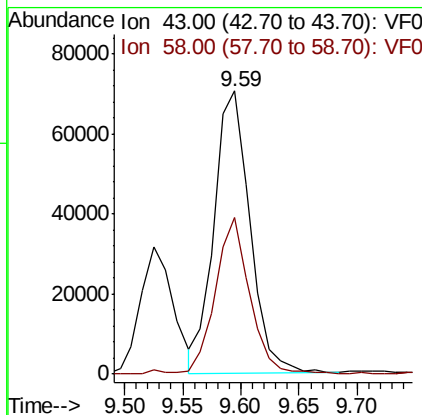
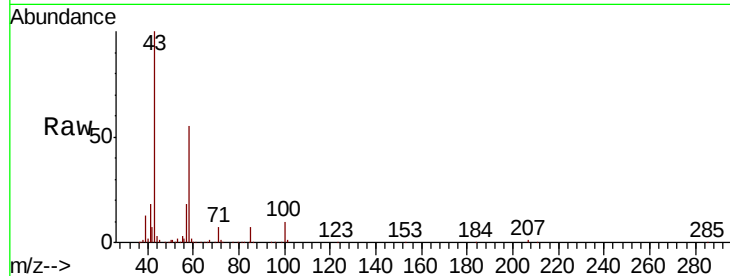
58 55.2 25.6 76.6

Manual Integrations

APPROVED

apatel

10/9/2018 8:53:27 AM



#60

Dibromochloromethane

Concen: 22.177 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.01 min

Lab File: VF060481.D

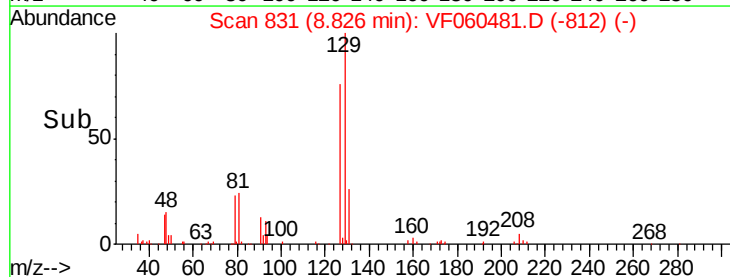
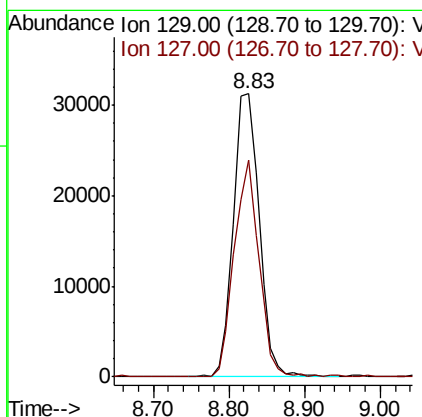
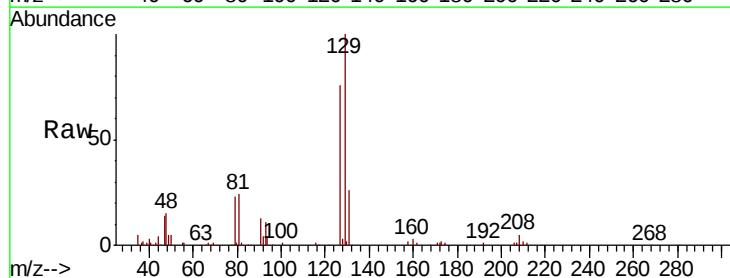
Acq: 8 Oct 2018 12:57

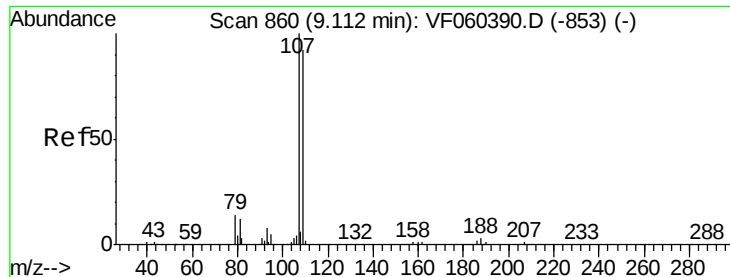
Tgt Ion: 129 Resp: 73857

Ion Ratio Lower Upper

129 100

127 76.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.782 ug/l

RT: 9.09 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion: 107 Resp: 52721

Ion Ratio Lower Upper

107 100

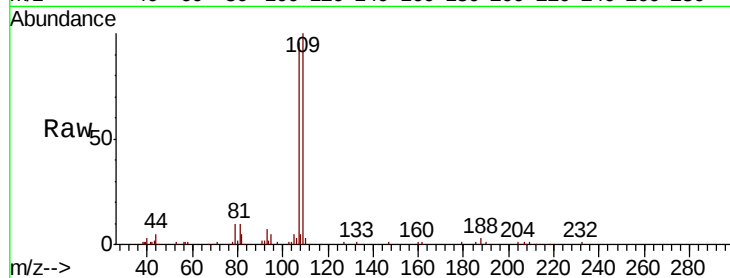
109 104.1 73.7 110.5

Manual Integrations

APPROVED

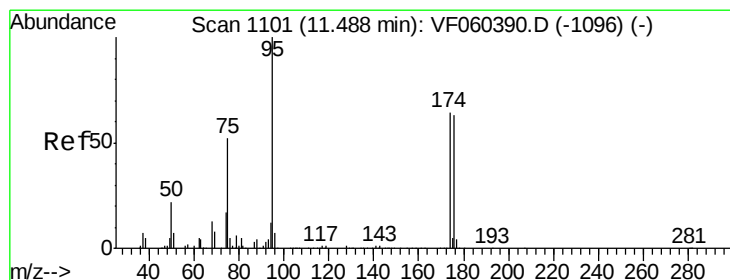
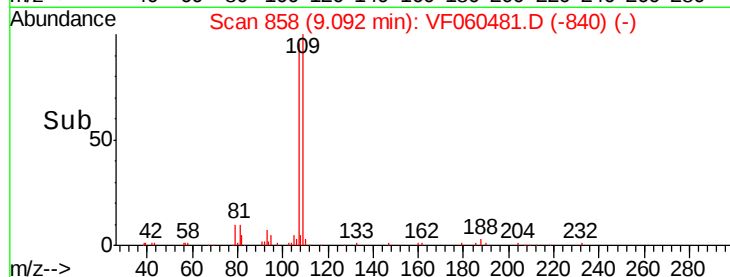
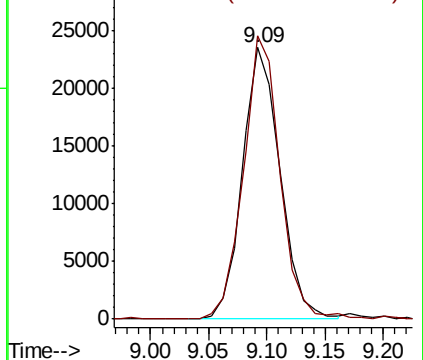
apatel

10/9/2018 8:53:27 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.325 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

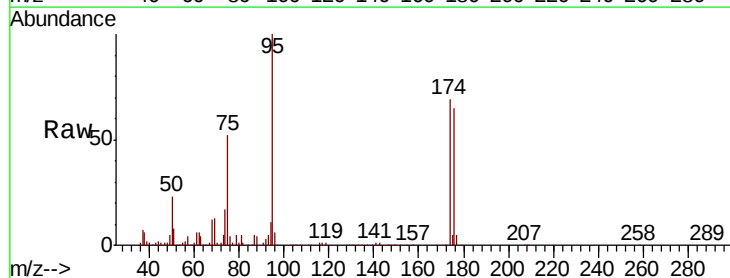
Tgt Ion: 95 Resp: 223161

Ion Ratio Lower Upper

95 100

174 69.2 0.0 129.0

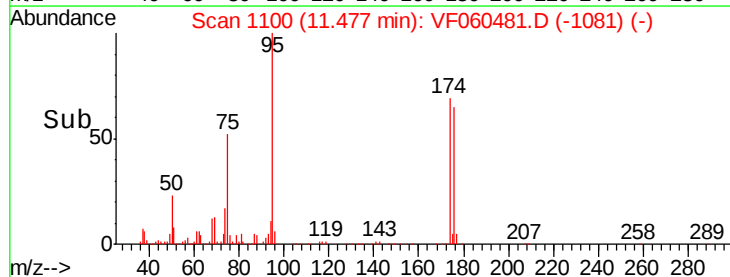
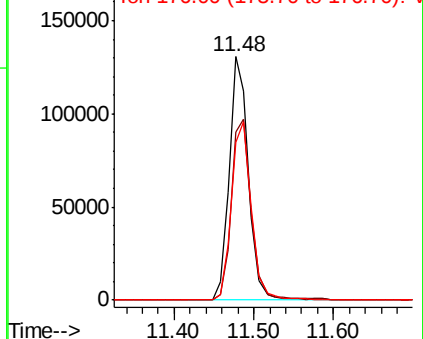
176 65.0 0.0 125.6

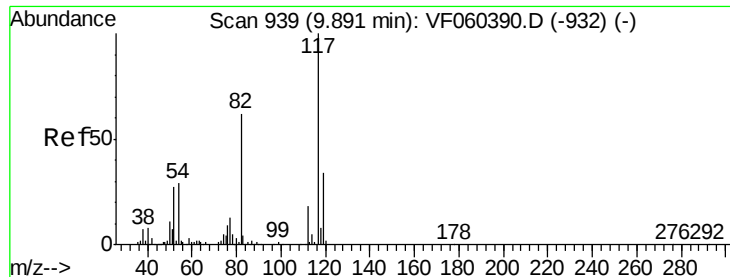


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





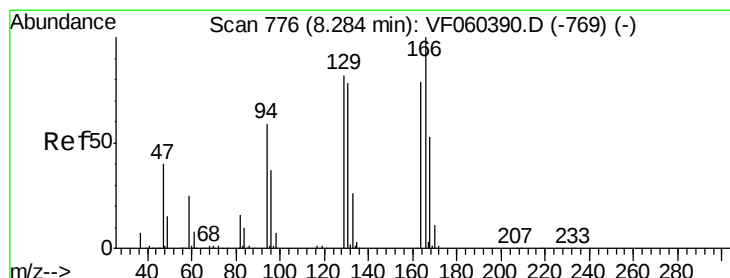
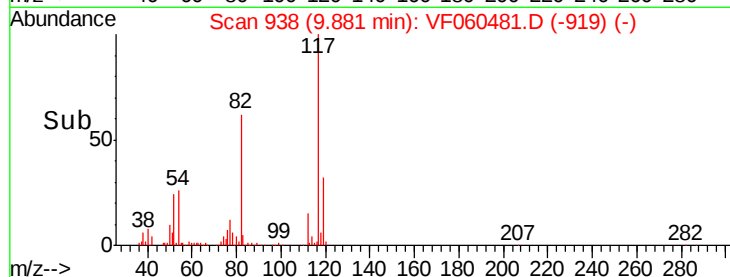
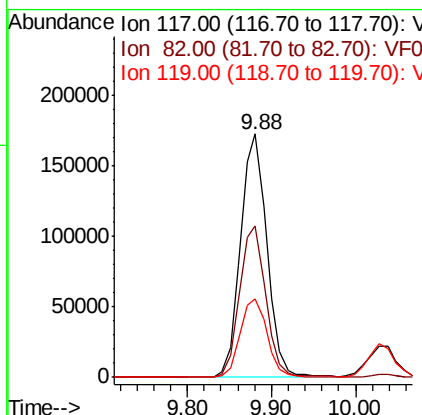
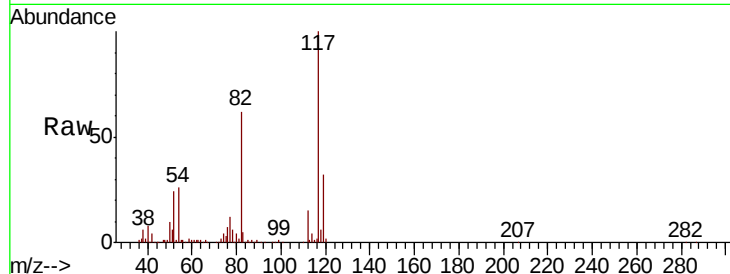
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	377801		
82	62.2	49.5	74.3	
119	32.5	27.0	40.6	

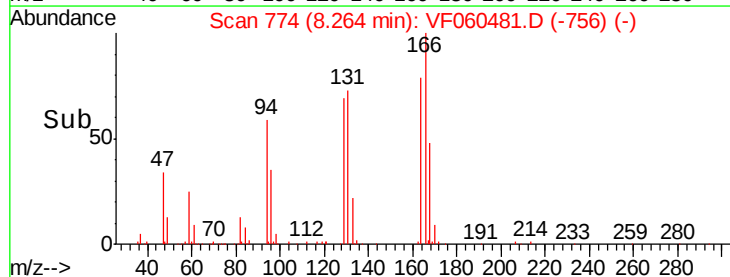
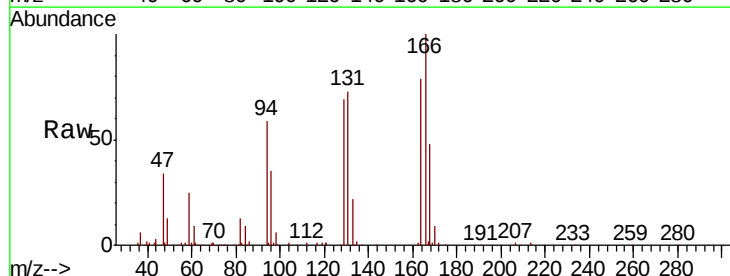
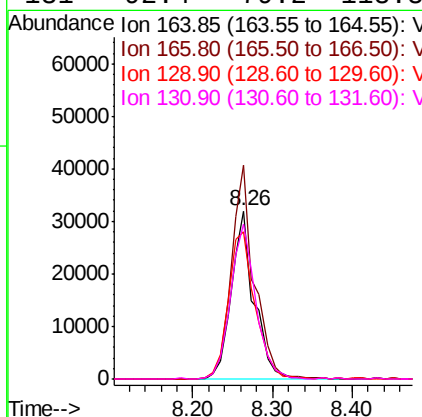
Manual Integrations
APPROVED

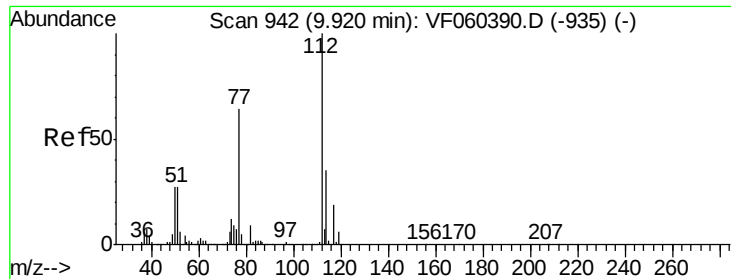
apatel
10/9/2018 8:53:27 AM



#64
Tetrachloroethene
Concen: 21.184 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	63622		
166	127.0	101.0	151.6	
129	87.5	82.5	123.7	
131	92.4	79.2	118.8	





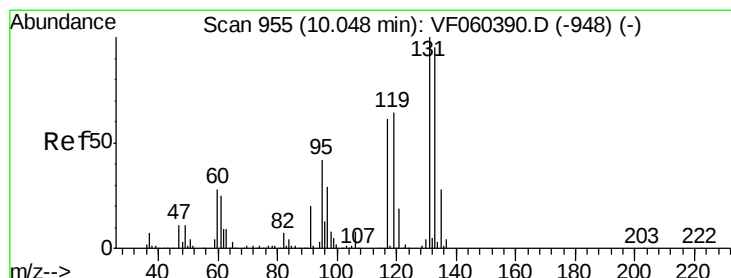
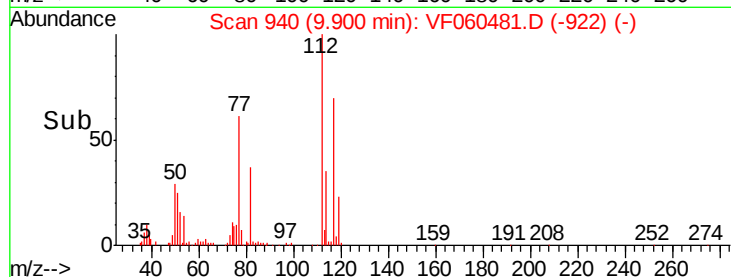
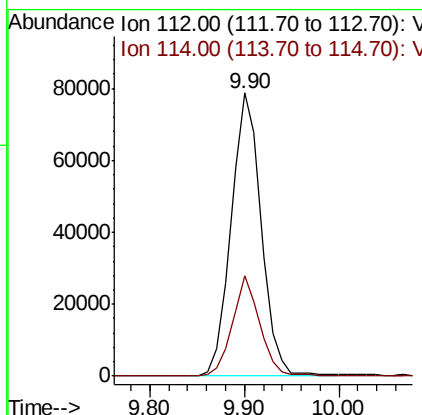
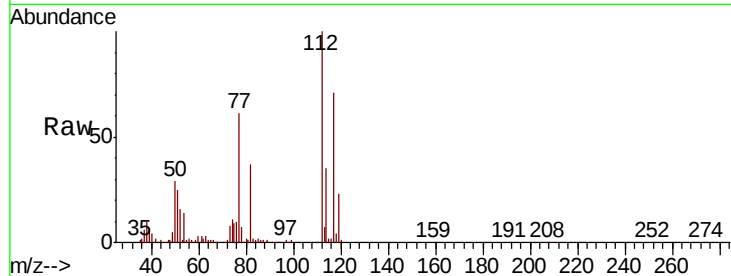
#65
Chlorobenzene
Concen: 22.275 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion:112 Resp: 172874
Ion Ratio Lower Upper
112 100
114 35.2 27.7 41.5

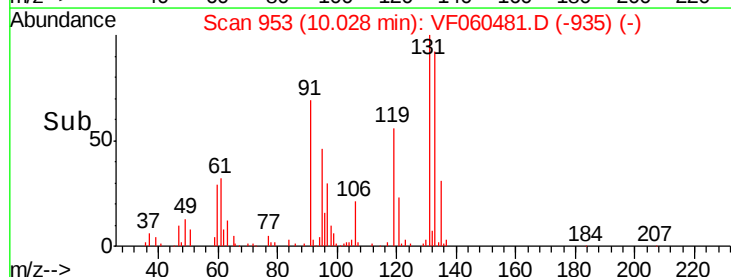
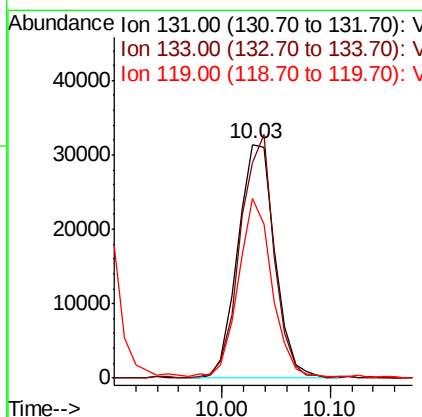
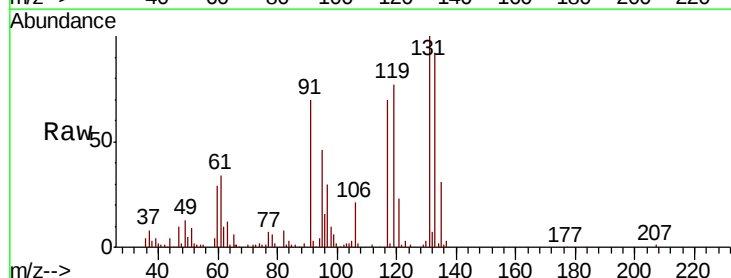
Manual Integrations
APPROVED

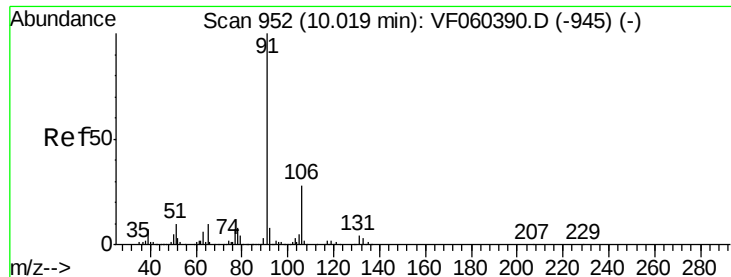
apatel
10/9/2018 8:53:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.056 ug/l
RT: 10.03 min Scan# 953
Delta R.T. -0.02 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion:131 Resp: 74738
Ion Ratio Lower Upper
131 100
133 92.0 47.3 141.8
119 76.7 32.3 96.9





#67

Ethyl Benzene

Concen: 22.223 ug/l

RT: 10.00 min Scan# 950

Delta R.T. -0.02 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBS01

Tgt Ion: 91 Resp: 327925

Ion Ratio Lower Upper

91 100

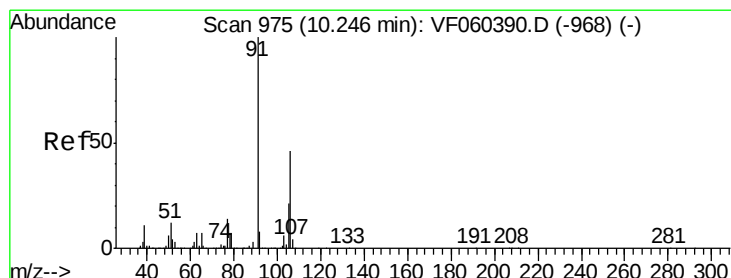
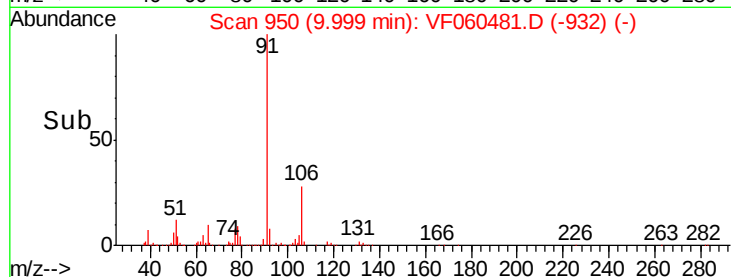
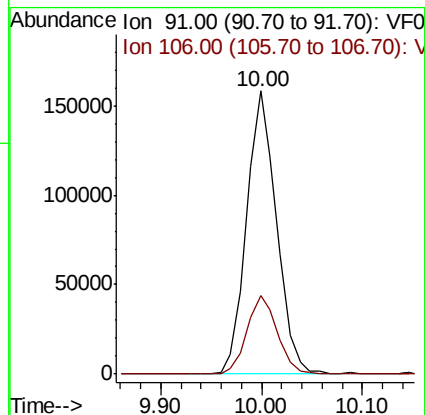
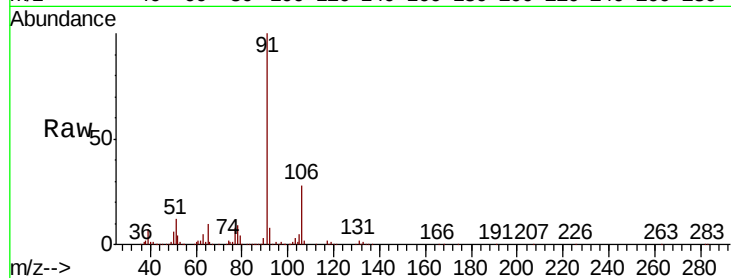
106 27.6 22.5 33.7

Manual Integrations

APPROVED

apatel

10/9/2018 8:53:27 AM



#68

m/p-Xylenes

Concen: 44.576 ug/l

RT: 10.23 min Scan# 973

Delta R.T. -0.02 min

Lab File: VF060481.D

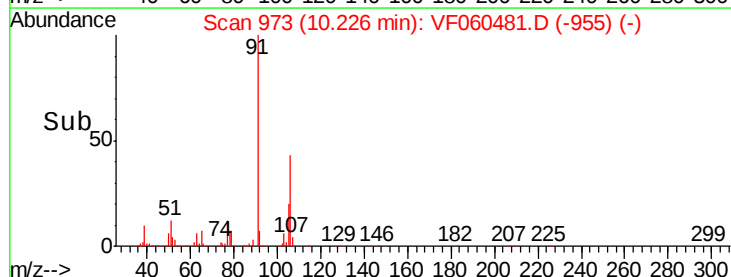
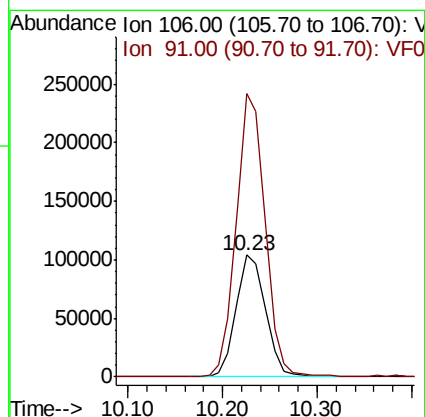
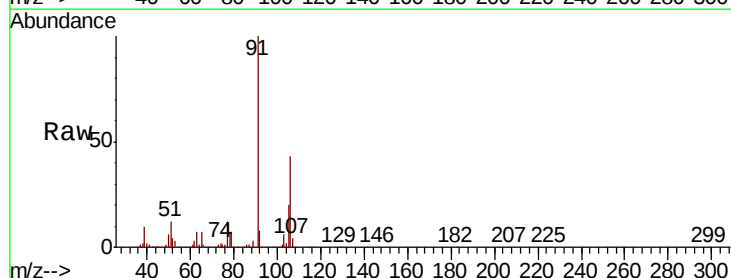
Acq: 8 Oct 2018 12:57

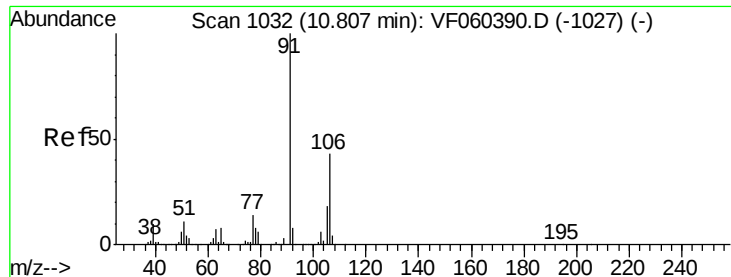
Tgt Ion: 106 Resp: 226122

Ion Ratio Lower Upper

106 100

91 232.5 175.0 262.6





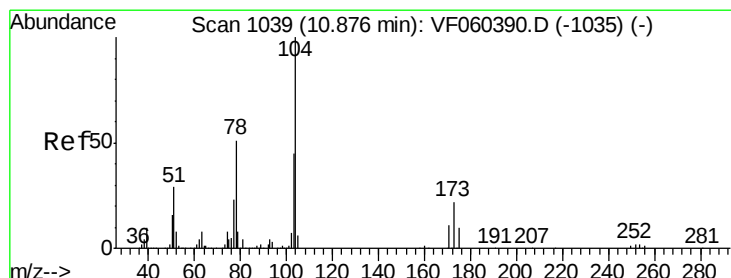
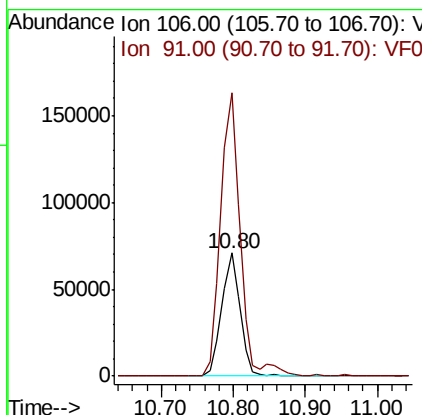
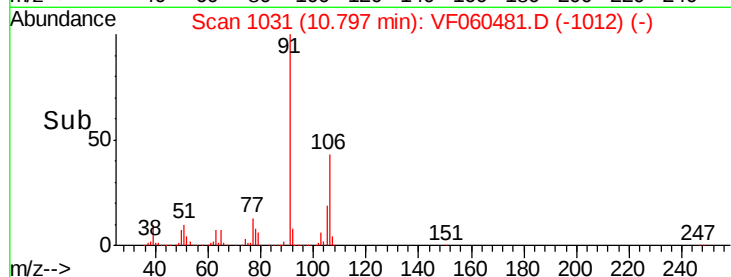
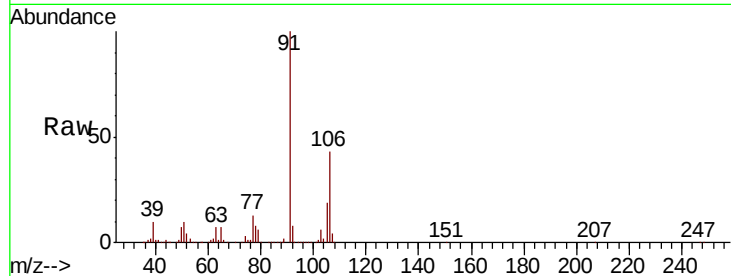
#69
o-Xylene
Concen: 22.806 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion:106 Resp: 126101
Ion Ratio Lower Upper
106 100
91 230.2 115.1 345.2

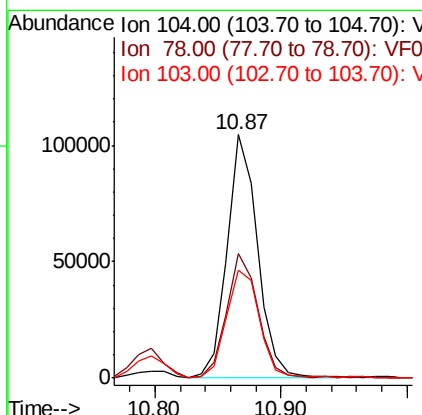
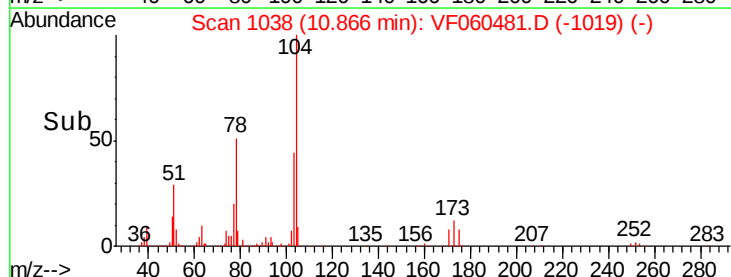
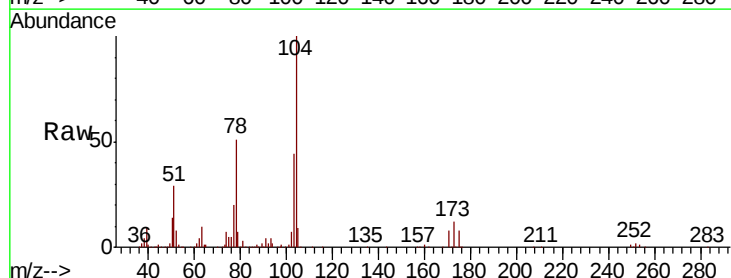
Manual Integrations
APPROVED

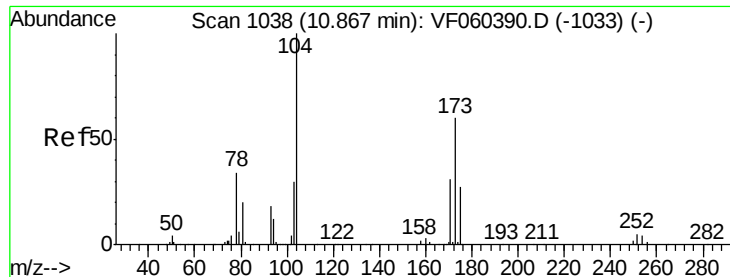
apatel
10/9/2018 8:53:27 AM



#70
Styrene
Concen: 22.129 ug/l
RT: 10.87 min Scan# 1038
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion:104 Resp: 174042
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 44.3 36.4 54.6





#71

Bromoform

Concen: 19.219 ug/l

RT: 10.86 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

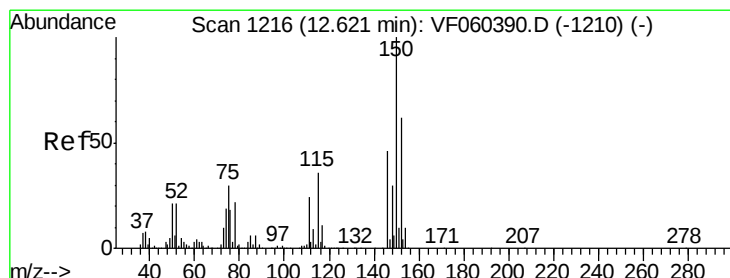
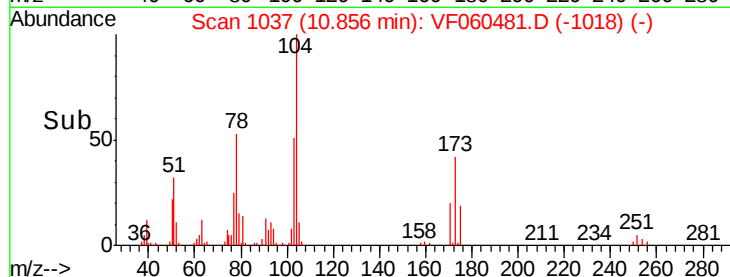
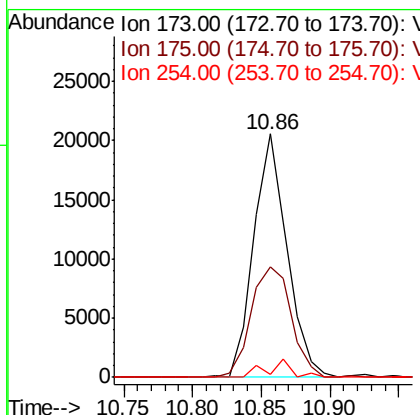
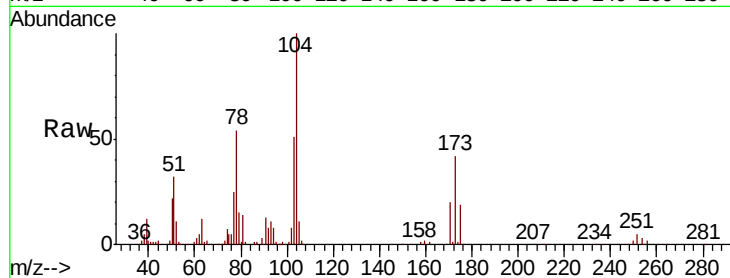
ClientSampleId :

VF1008SBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.7	22.1	66.1
254	1.0	0.0	0.0

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

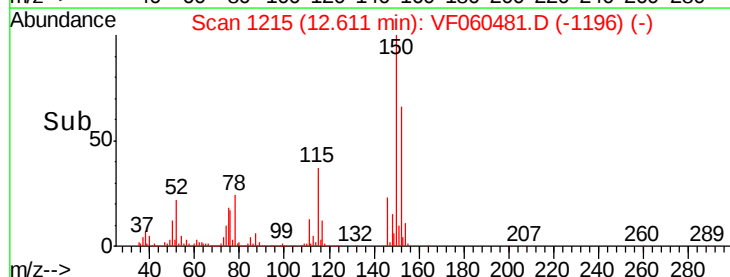
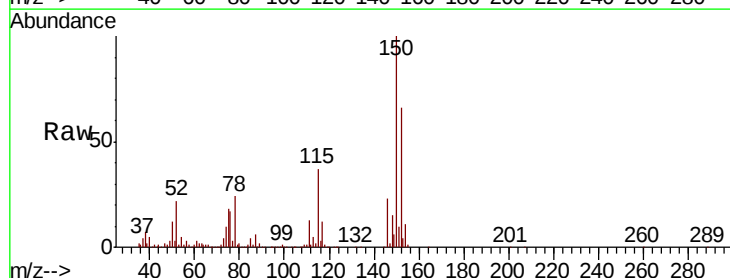
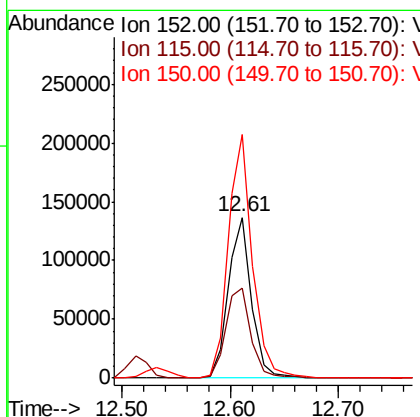
RT: 12.61 min Scan# 1215

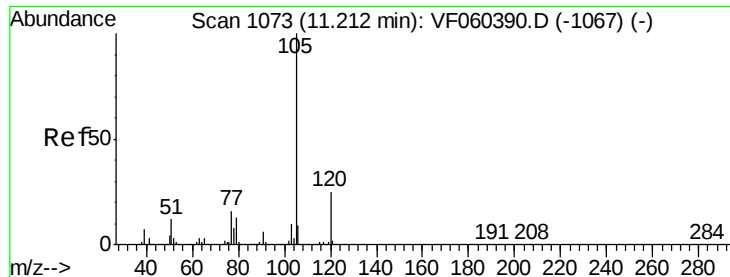
Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.6	85.8
150	151.3	0.0	324.6





#73

Isopropylbenzene

Concen: 24.056 ug/l

RT: 11.20 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion: 105 Resp: 384469

Ion Ratio Lower Upper

105 100

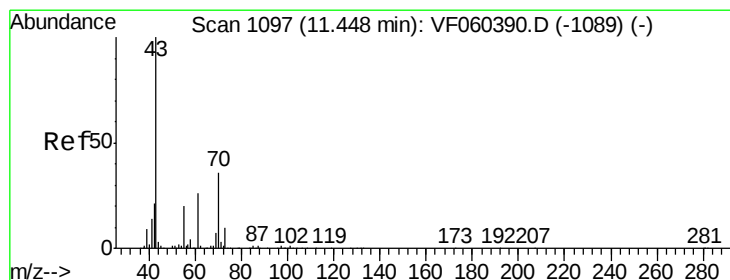
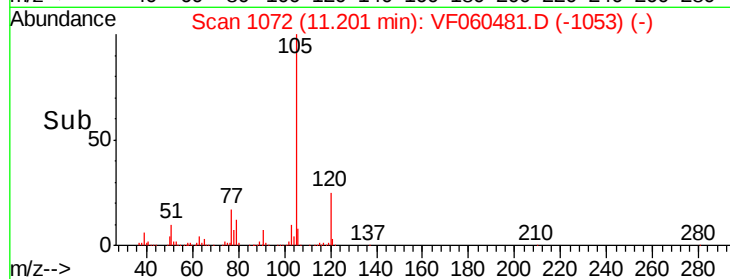
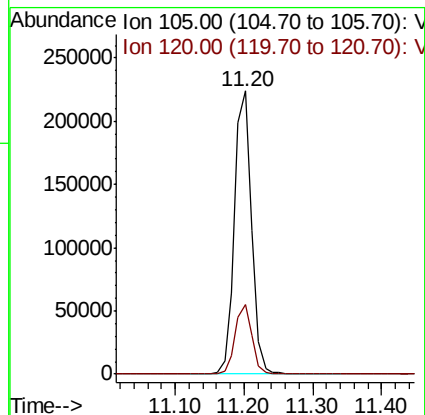
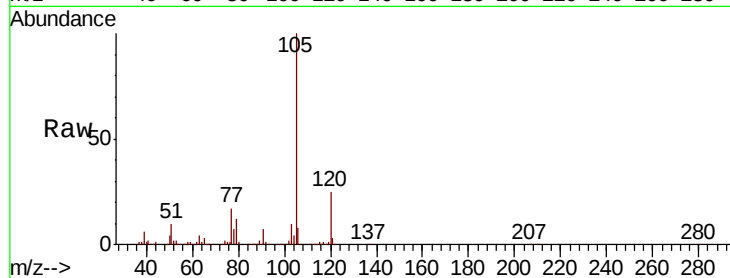
120 24.5 12.3 36.9

Manual Integrations

APPROVED

apatel

10/9/2018 8:53:27 AM



#74

N-ethyl acetate

Concen: 23.442 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion: 43 Resp: 85987

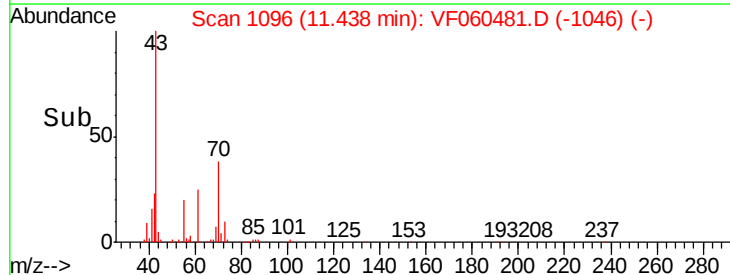
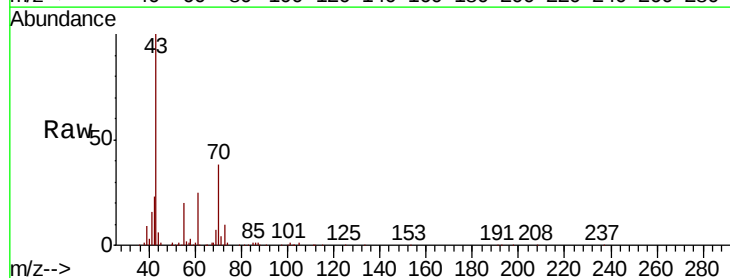
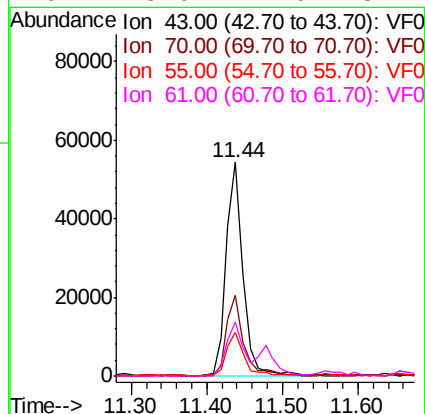
Ion Ratio Lower Upper

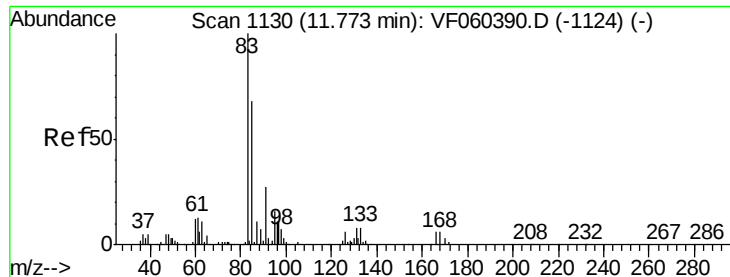
43 100

70 37.6 29.1 43.7

55 20.3 16.3 24.5

61 25.0 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.530 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

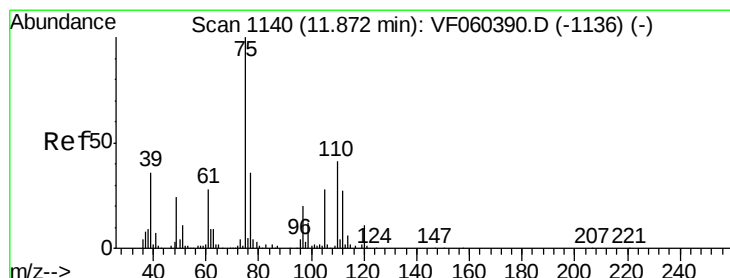
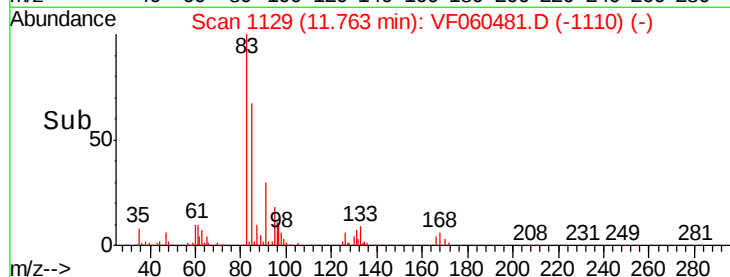
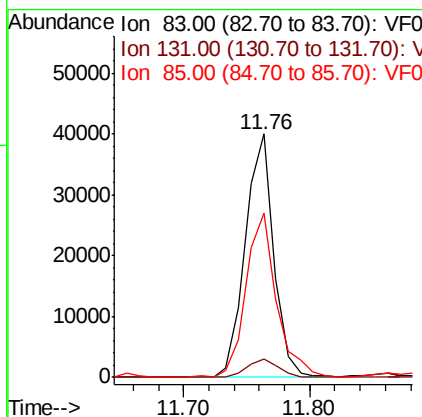
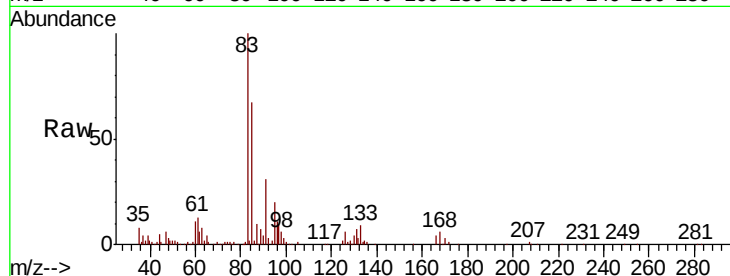
ClientSampleId :

VF1008SBSD01

Tgt Ion:	83	Resp:	62734
Ion Ratio	Lower	Upper	
83	100		
131	7.3	4.0	12.0
85	67.4	34.0	102.0

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#76

1,2,3-Trichloropropane

Concen: 21.037 ug/l

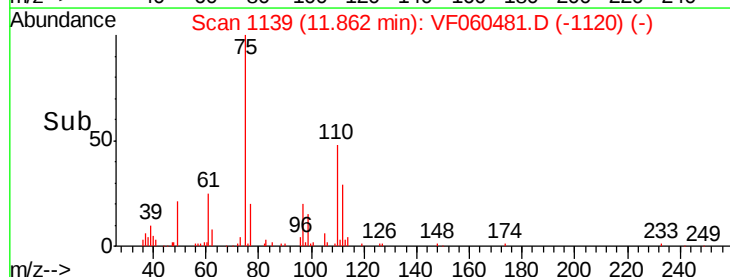
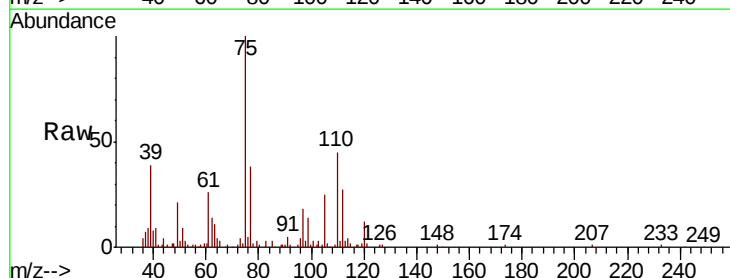
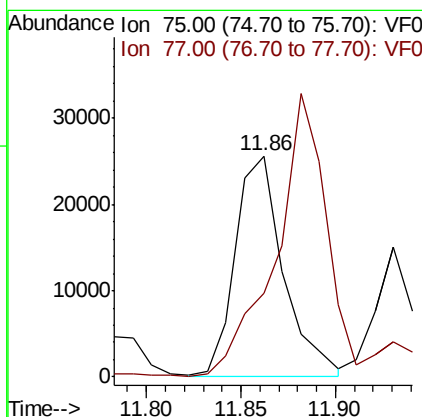
RT: 11.86 min Scan# 1139

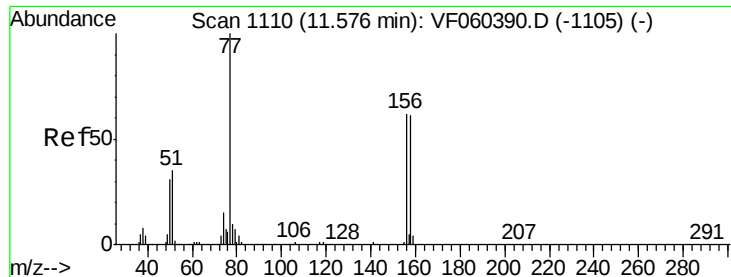
Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	75	Resp:	45127
Ion Ratio	Lower	Upper	
75	100		
77	37.6	18.1	54.4





#77

Bromobenzene

Concen: 21.343 ug/l

RT: 11.57 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

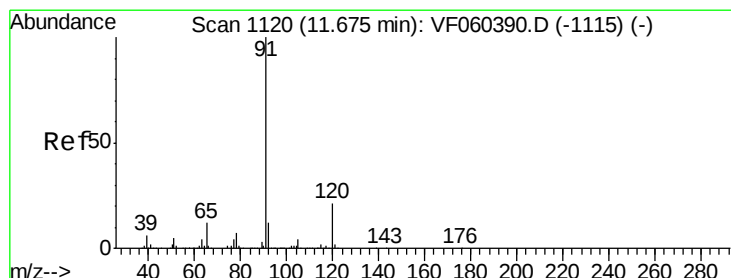
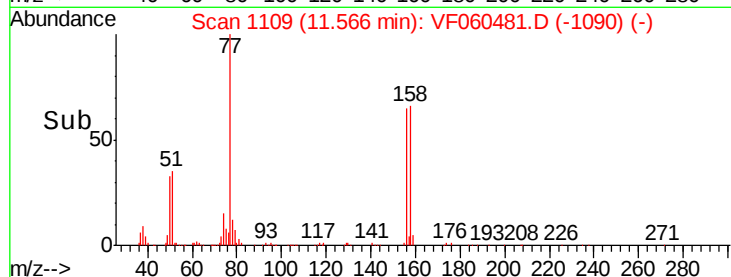
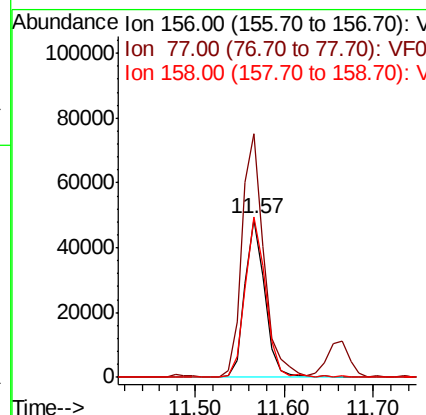
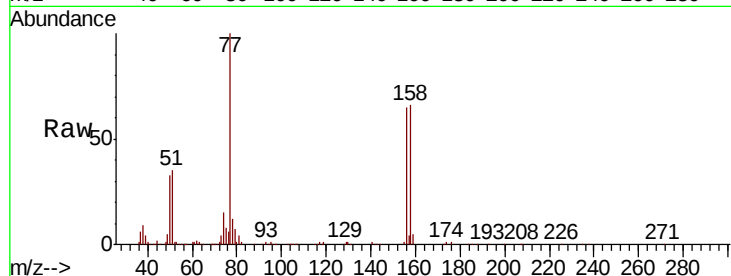
ClientSampleId :

VF1008SBSD01

Tgt Ion:	156	Resp:	76251
Ion Ratio	Lower	Upper	
156	100		
77	153.8	81.3	243.9
158	101.2	49.6	149.0

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#78

n-propylbenzene

Concen: 22.927 ug/l

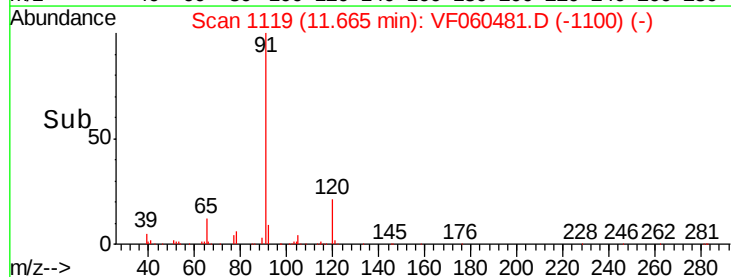
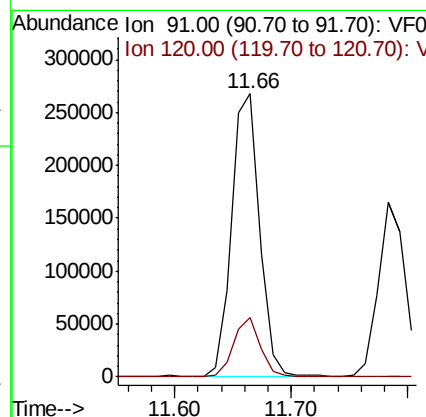
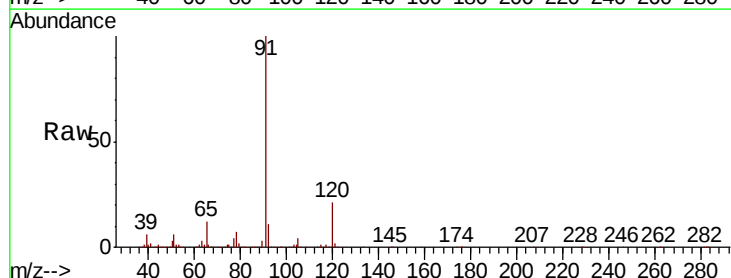
RT: 11.66 min Scan# 1119

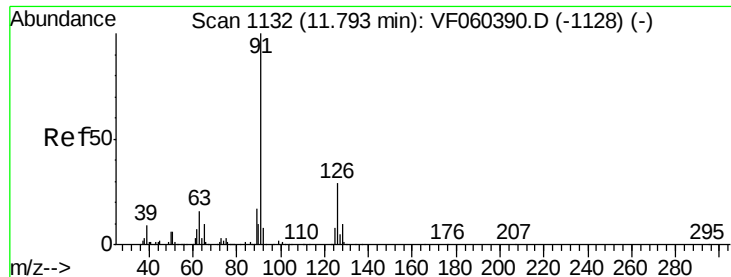
Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	91	Resp:	444224
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.5	31.6





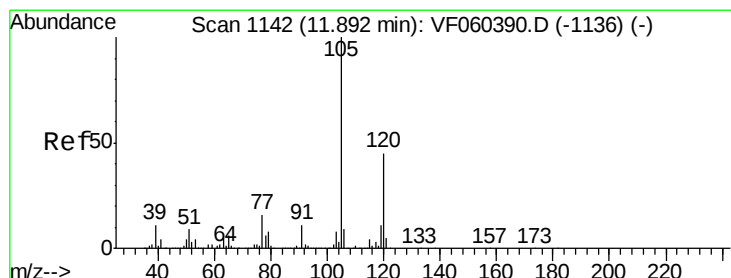
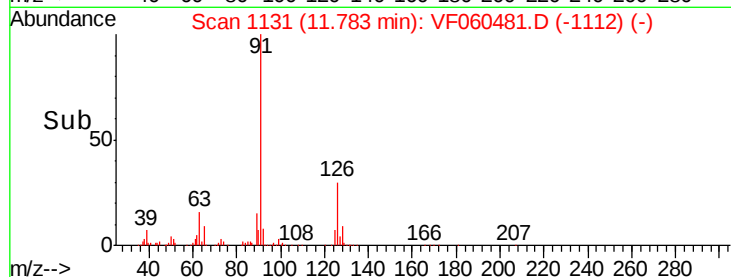
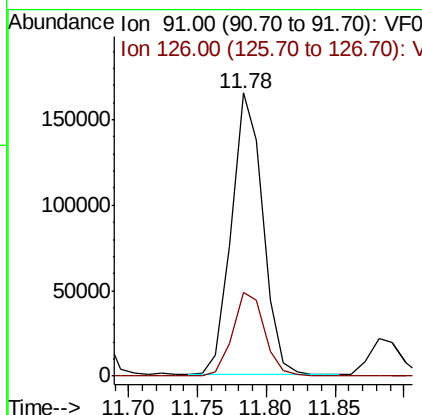
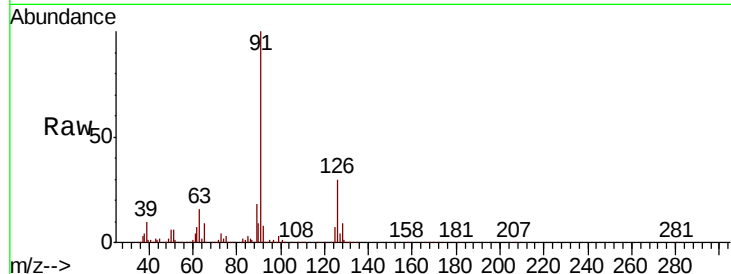
#79
 2-Chlorotoluene
 Concen: 22.971 ug/l
 RT: 11.78 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Tgt Ion: 91 Resp: 260350
 Ion Ratio Lower Upper
 91 100
 126 29.5 14.4 43.4

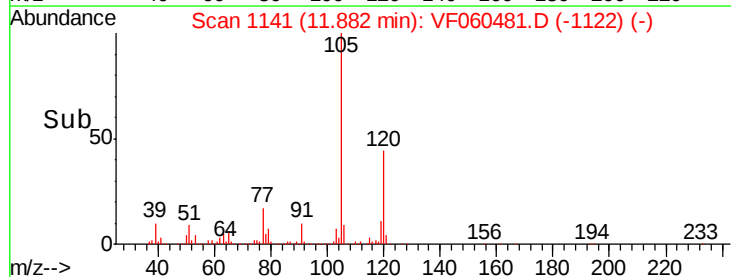
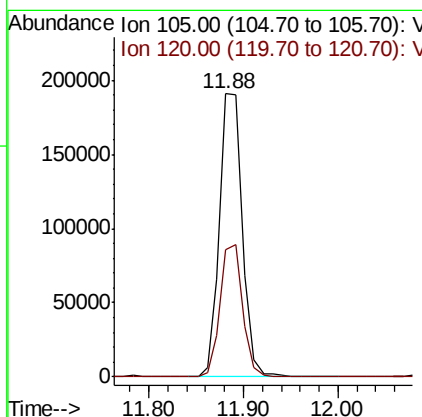
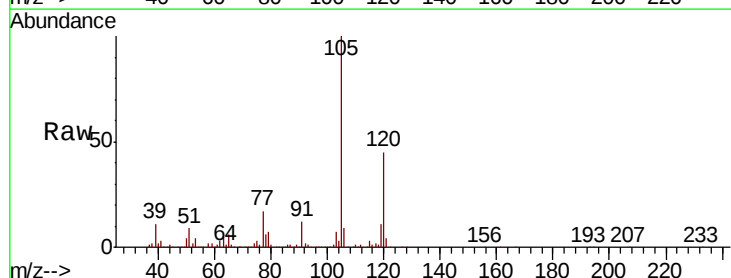
Manual Integrations
 APPROVED

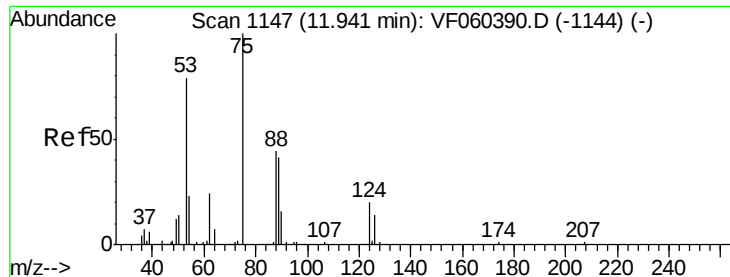
apatel
 10/9/2018 8:53:27 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 23.572 ug/l
 RT: 11.88 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Tgt Ion: 105 Resp: 320085
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 23.147 ug/l m

RT: 11.93 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

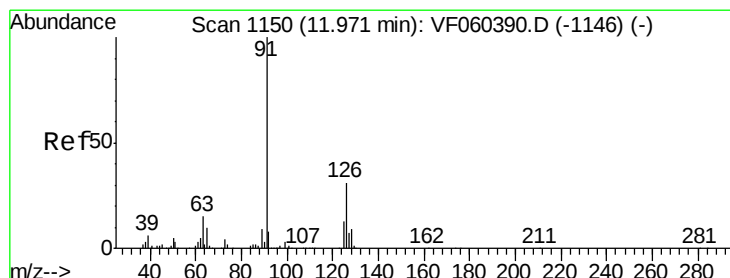
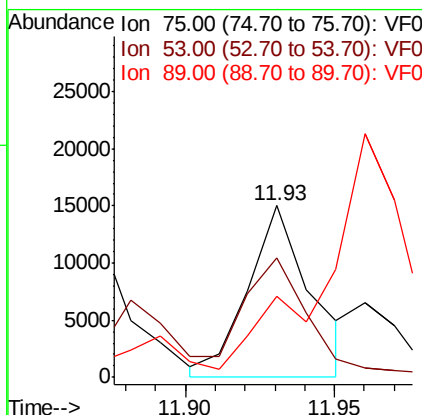
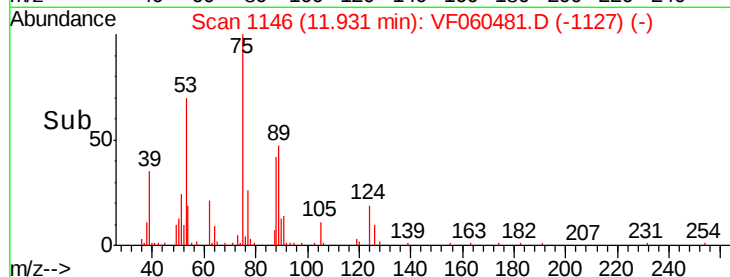
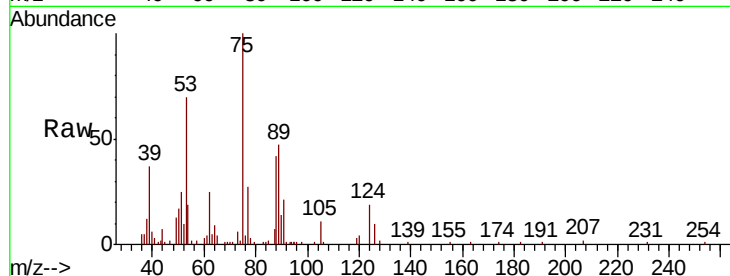
ClientSampleId :

VF1008SBSD01

Tgt Ion:	75	Resp:	22011
Ion	Ratio	Lower	Upper
75	100		
53	69.9	67.8	101.8
89	47.1	36.7	55.1

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#82

4-Chlorotoluene

Concen: 22.873 ug/l

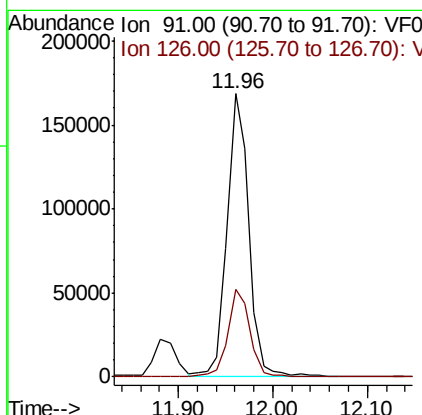
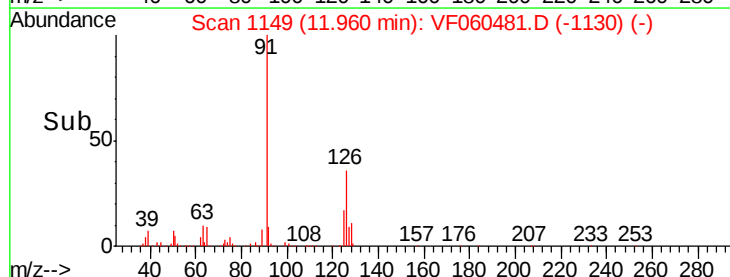
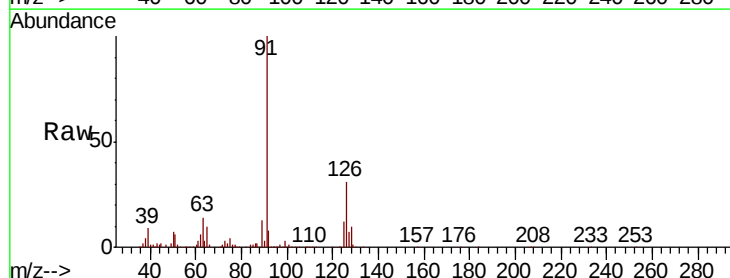
RT: 11.96 min Scan# 1149

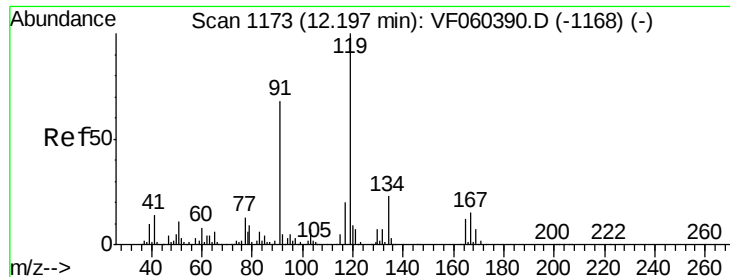
Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Tgt Ion:	91	Resp:	265248
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.7	47.0





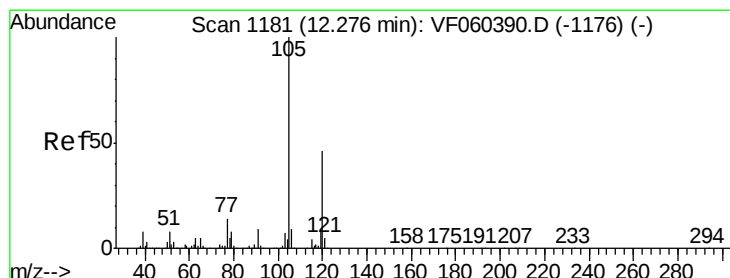
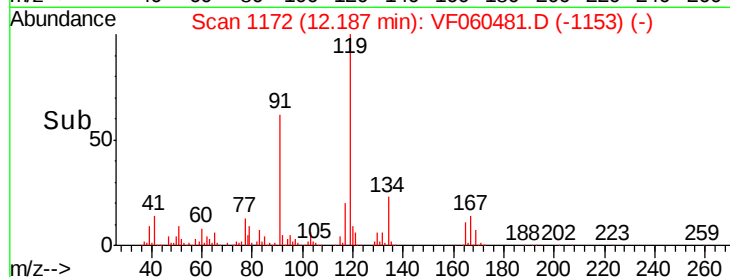
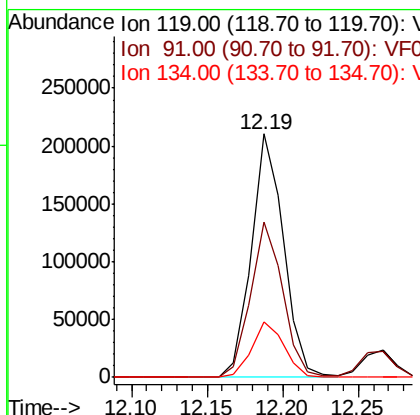
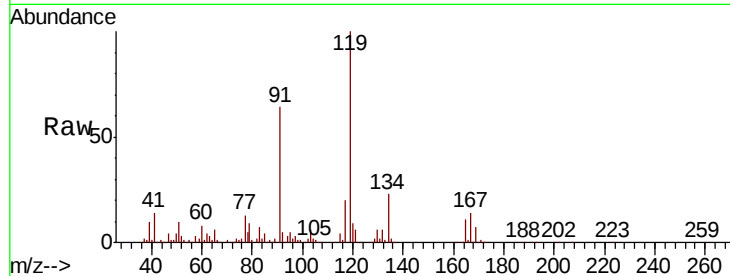
#83
 tert-Butylbenzene
 Concen: 23.388 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	313234		
91	63.8	34.0	102.0	
134	23.0	11.7	35.0	

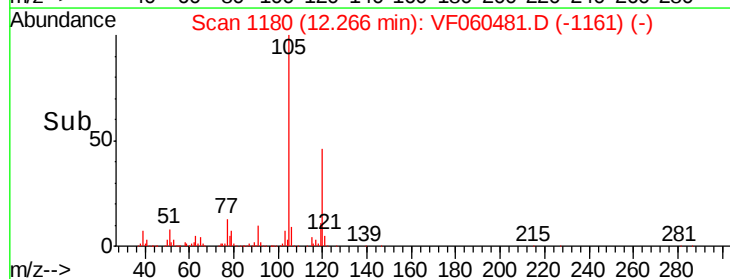
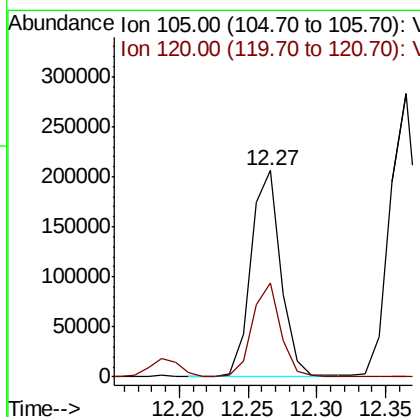
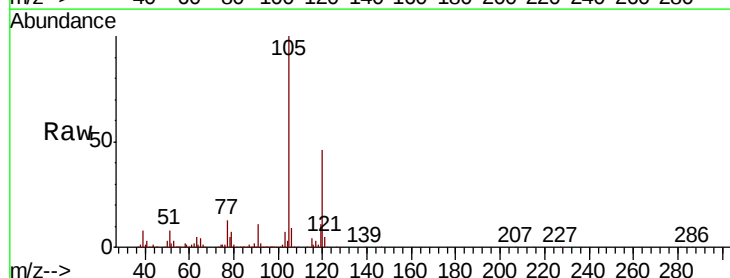
Manual Integrations
 APPROVED

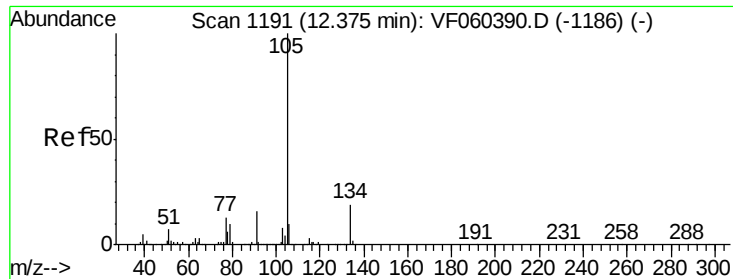
apatel
 10/9/2018 8:53:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.135 ug/l
 RT: 12.27 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	311548		
120	45.6	23.1	69.2	





#85

sec-Butylbenzene

Concen: 22.360 ug/l

RT: 12.36 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

Instrument :

MSVOA_F

ClientSampleId :

VF1008SBSD01

Tgt Ion:105 Resp: 413361

Ion Ratio Lower Upper

105 100

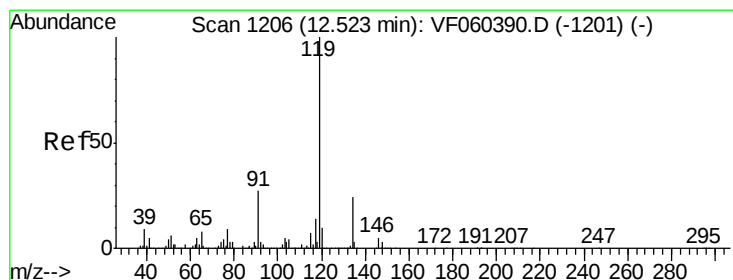
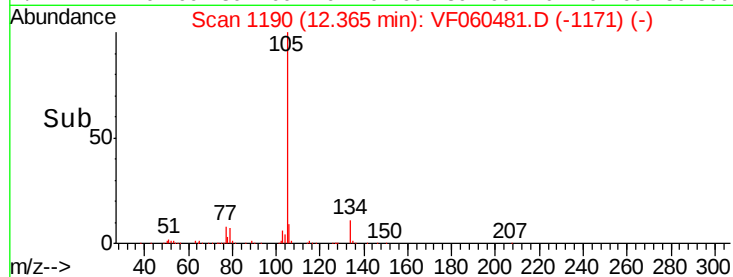
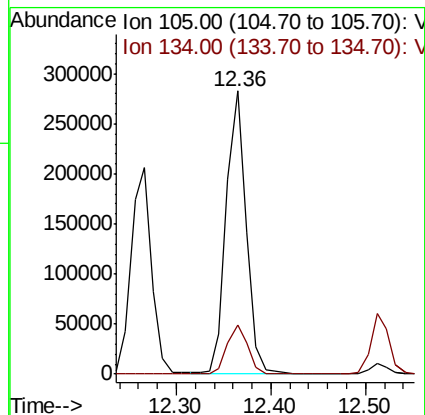
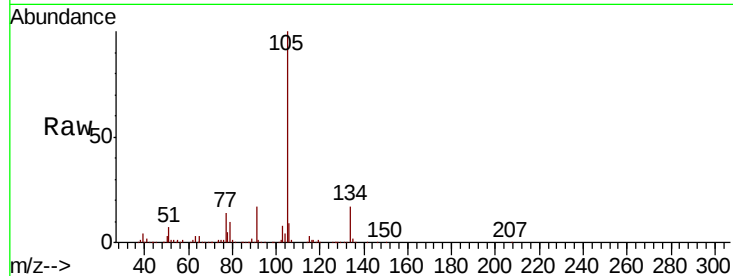
134 17.4 9.4 28.3

Manual Integrations

APPROVED

apatel

10/9/2018 8:53:27 AM



#86

p-Isopropyltoluene

Concen: 22.744 ug/l

RT: 12.51 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VF060481.D

Acq: 8 Oct 2018 12:57

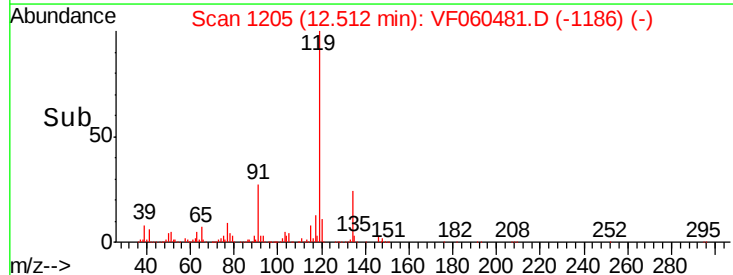
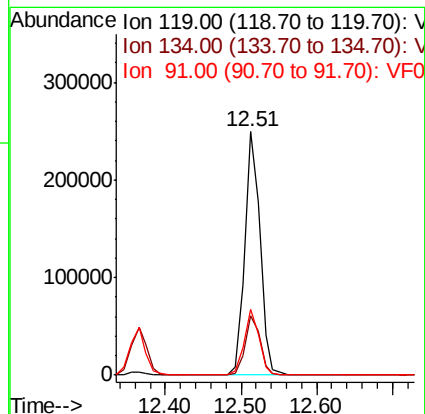
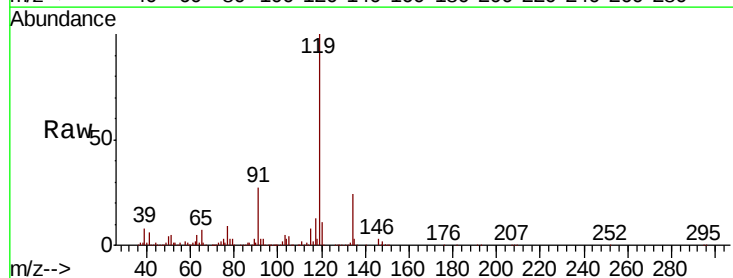
Tgt Ion:119 Resp: 343509

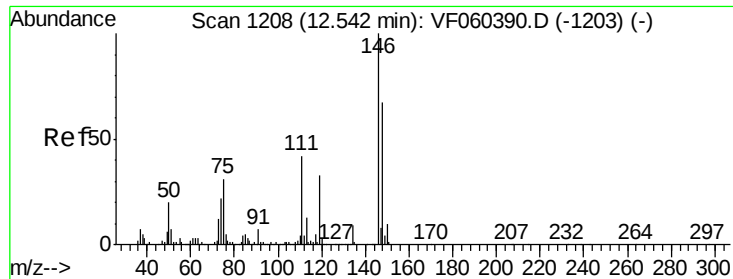
Ion Ratio Lower Upper

119 100

134 24.4 12.3 36.8

91 26.9 13.5 40.4





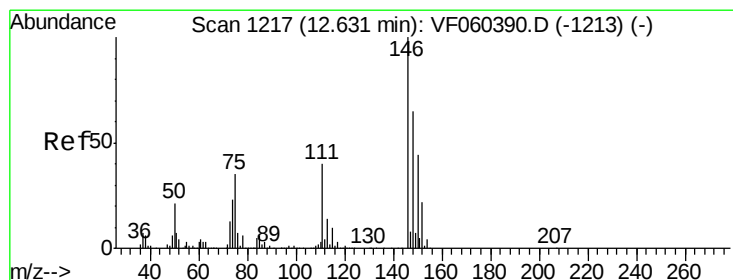
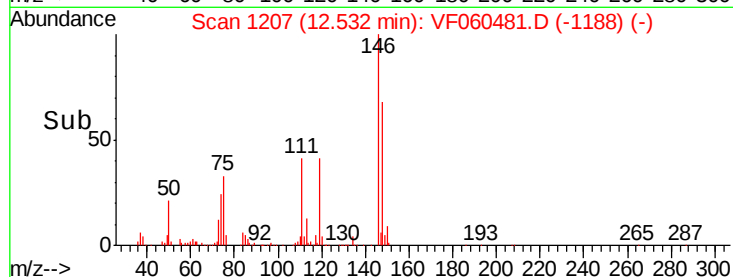
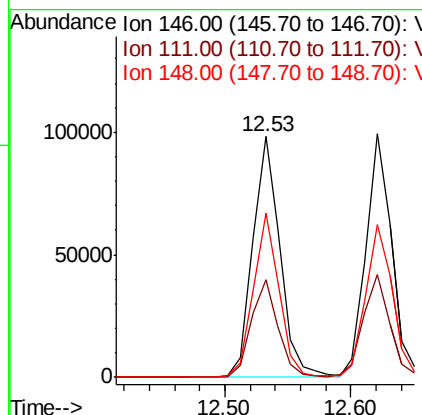
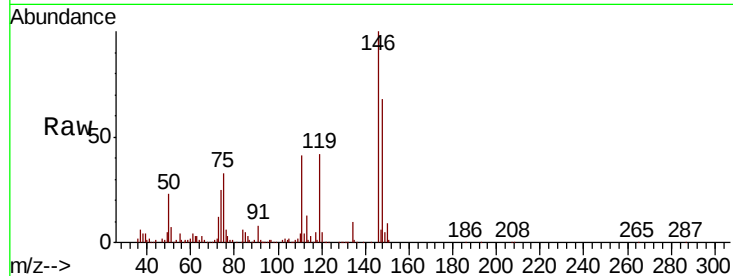
#87
 1,3-Dichlorobenzene
 Concen: 22.031 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	148109		
111	40.8	20.9	62.7	
148	68.1	33.6	100.8	

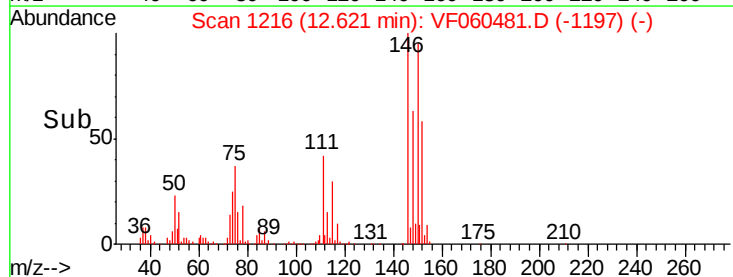
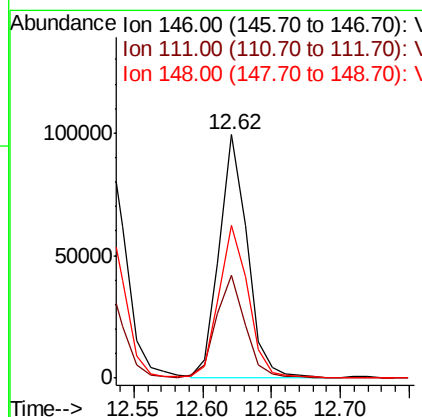
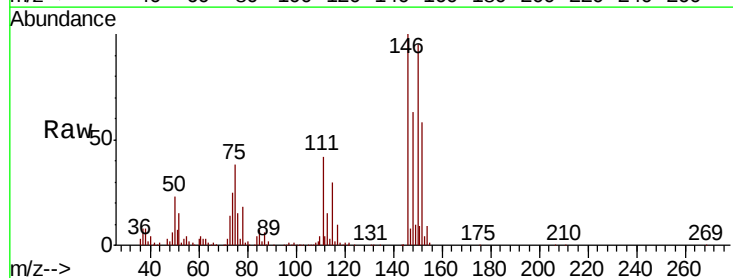
Manual Integrations
 APPROVED

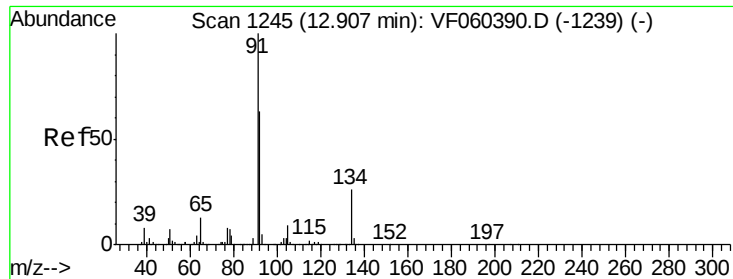
apatel
 10/9/2018 8:53:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.137 ug/l
 RT: 12.62 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	140122		
111	42.0	20.2	60.6	
148	62.5	32.6	97.8	





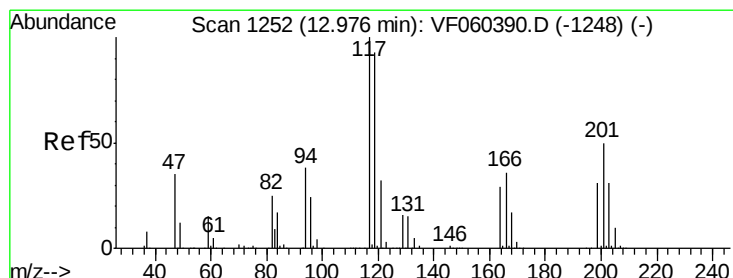
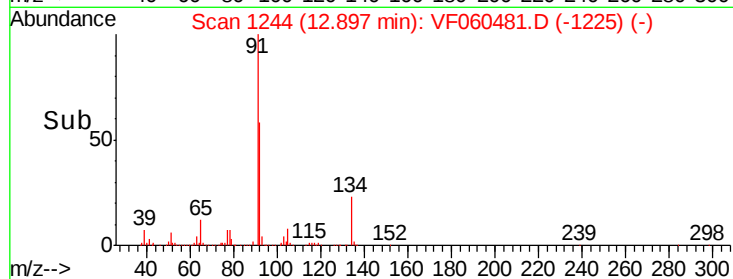
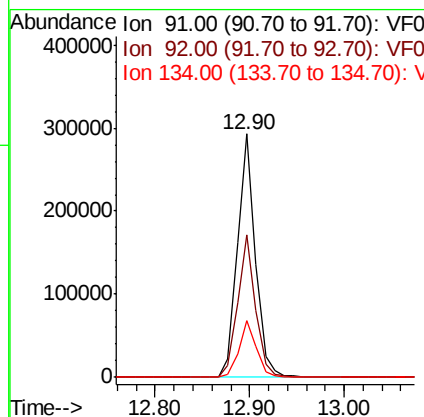
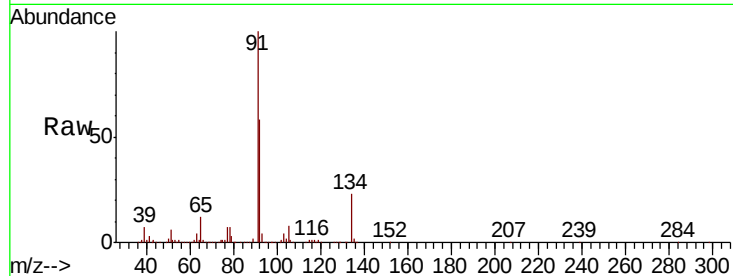
#89
n-Butylbenzene
Concen: 24.223 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	31.3	93.9
134	23.2	13.0	38.9

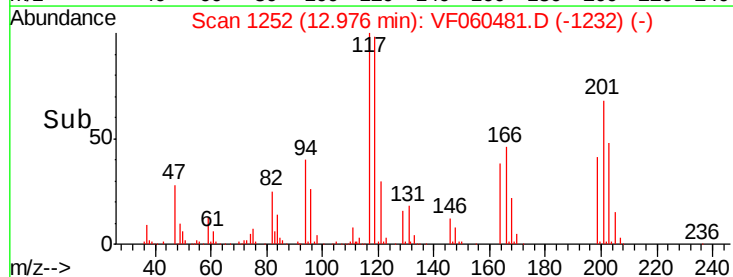
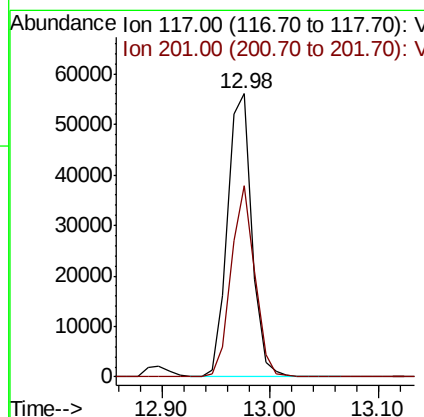
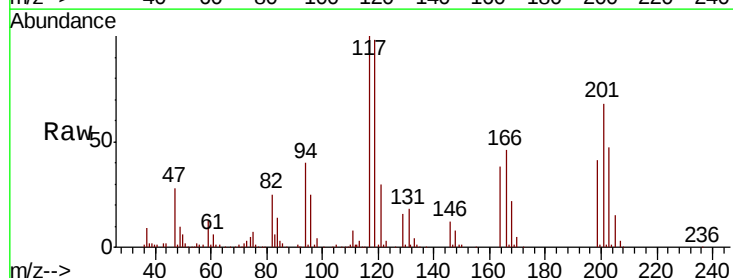
Manual Integrations
APPROVED

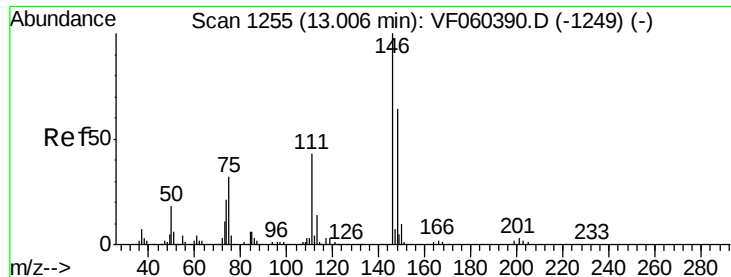
apatel
10/9/2018 8:53:27 AM



#90
Hexachloroethane
Concen: 22.762 ug/l
RT: 12.98 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	25.5	76.5





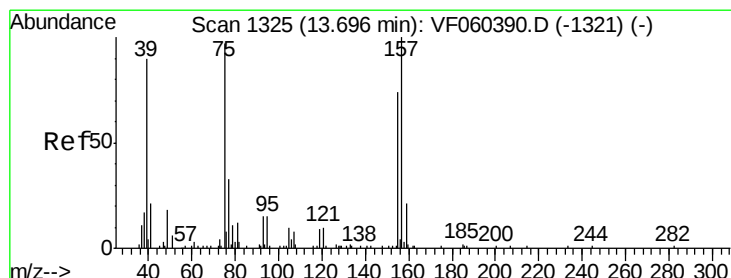
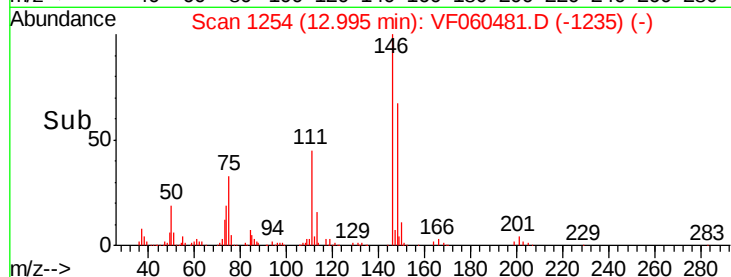
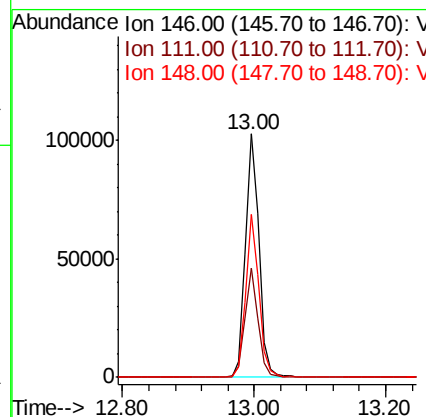
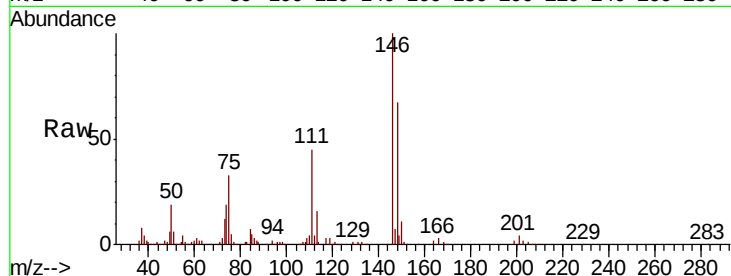
#91
 1,2-Dichlorobenzene
 Concen: 23.355 ug/l
 RT: 13.00 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.3	64.0
148	67.0	32.2	96.6

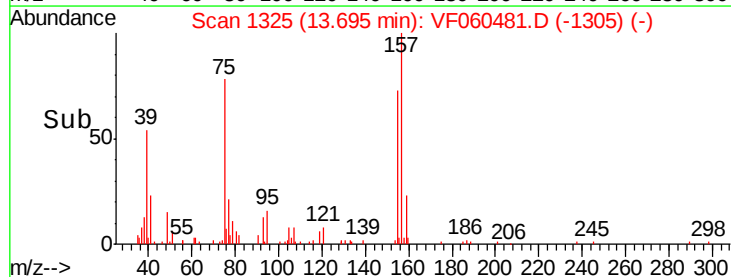
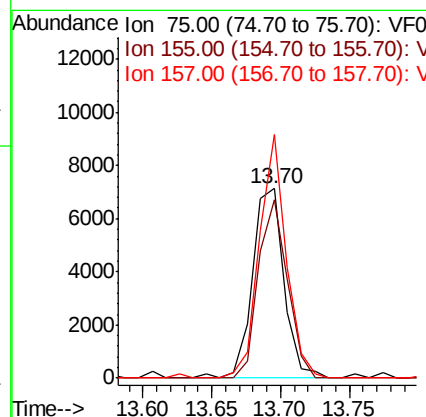
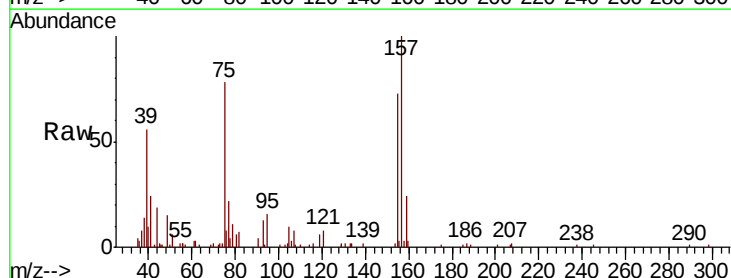
Manual Integrations
 APPROVED

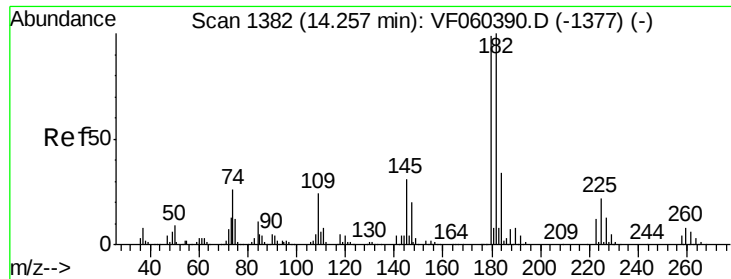
apatel
 10/9/2018 8:53:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.229 ug/l
 RT: 13.70 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	37.9	113.6
157	128.5	51.3	154.0





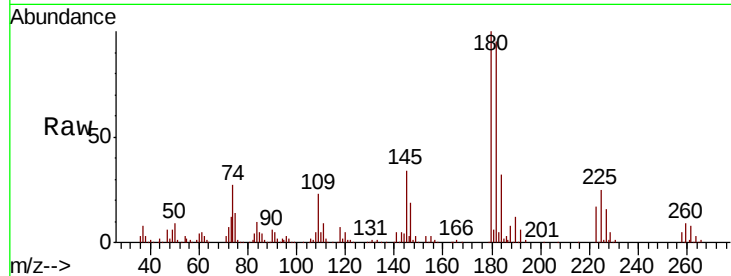
#93
 1,2,4-Trichlorobenzene
 Concen: 22.371 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1008SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107708		
182	95.4	50.3	150.9	
145	33.9	15.5	46.5	

Manual Integrations
 APPROVED

apatel
 10/9/2018 8:53:27 AM

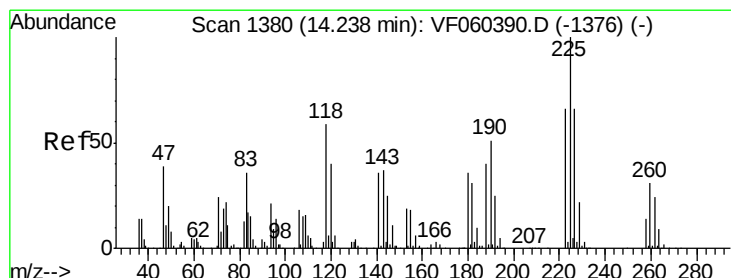
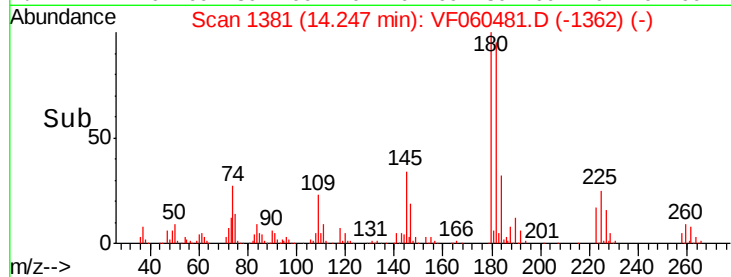
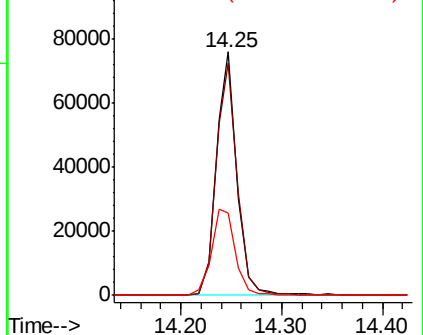


Abundance

Ion 180.00 (179.70 to 180.70): V

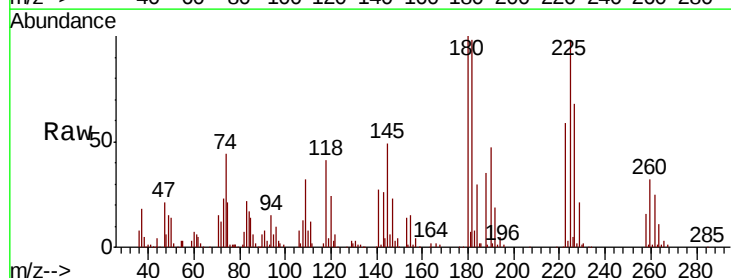
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 21.801 ug/l
 RT: 14.24 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VF060481.D
 Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73258		
223	59.7	32.8	98.4	
227	69.4	33.0	99.0	

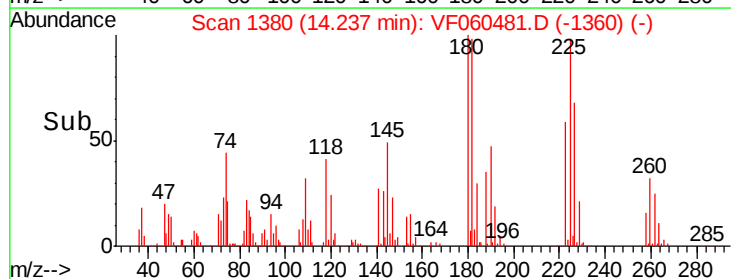
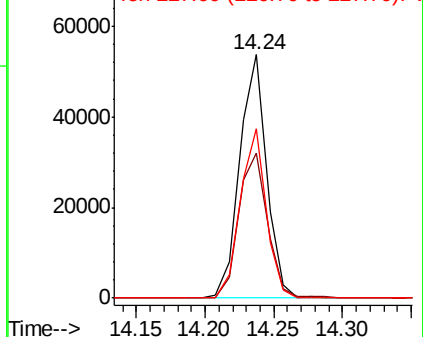


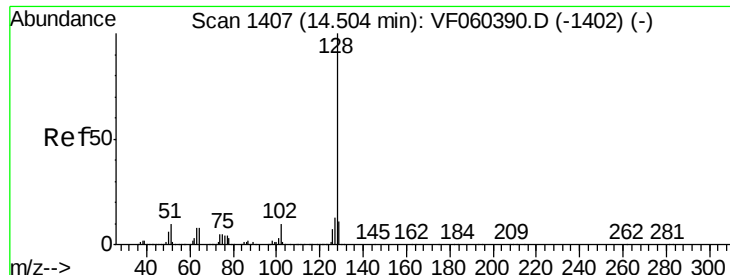
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





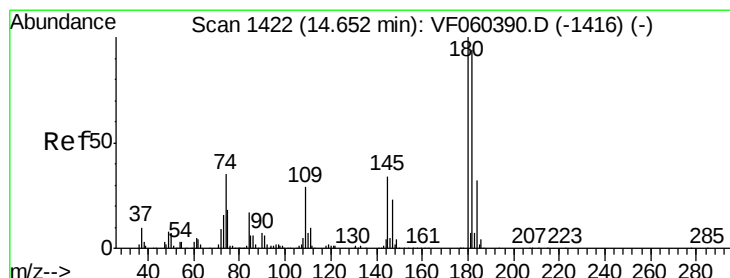
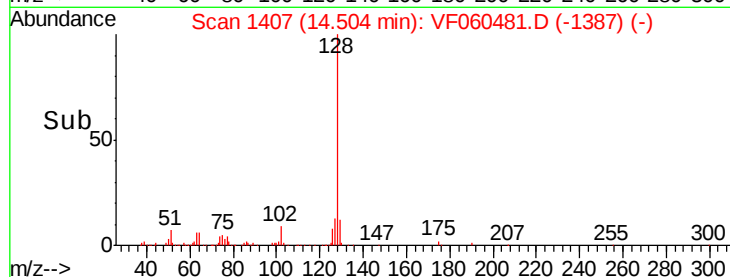
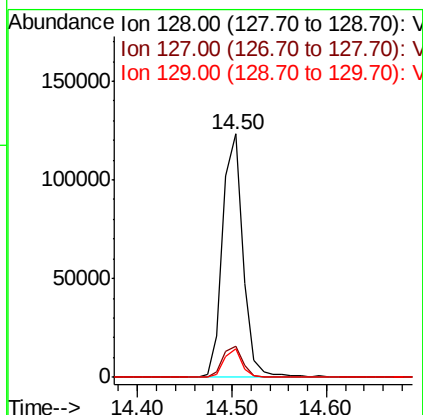
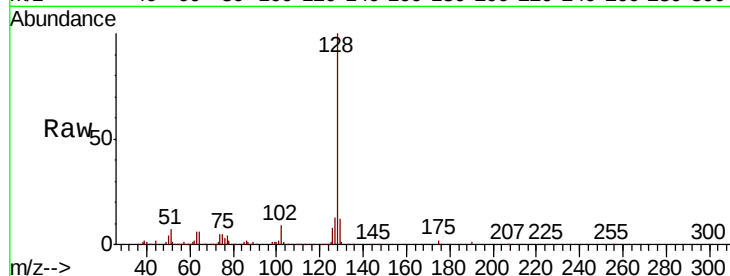
#95
Naphthalene
Concen: 21.548 ug/l
RT: 14.50 min Scan# 1407
Delta R.T. -0.00 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Instrument :
MSVOA_F
ClientSampleId :
VF1008SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	185494		
127	12.7	10.0	15.0	
129	11.9	8.7	13.1	

Manual Integrations
APPROVED

apatel
10/9/2018 8:53:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.938 ug/l
RT: 14.64 min Scan# 1421
Delta R.T. -0.01 min
Lab File: VF060481.D
Acq: 8 Oct 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108034		
182	88.9	46.8	140.3	
145	30.7	16.9	50.6	

