

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060415.D
 Acq On : 2 Oct 2018 21:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/3/2018 1:15:58 PM

Quant Time: Oct 03 04:30:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	354079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	563649	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	511120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	251787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	223066	40.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.52%	
35) Dibromofluoromethane	4.27	113	260918	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	7.69	98	653807	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.50	95	271095	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	301445	38.288	ug/l	96
3) Chloromethane	1.13	50	217350	45.205	ug/l	94
4) Vinyl Chloride	1.17	62	231281	46.241	ug/l	99
5) Bromomethane	1.36	94	158983	41.037	ug/l	100
6) Chloroethane	1.42	64	117485	47.070	ug/l	98
7) Trichlorofluoromethane	1.54	101	441964	38.086	ug/l	96
8) Diethyl Ether	1.70	74	71077	44.693	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.88	101	228164	41.047	ug/l	93
10) Methyl Iodide	1.96	142	385040	45.423	ug/l	88
11) Tert butyl alcohol	2.67	59	70551	210.518	ug/l #	85
12) 1,1-Dichloroethene	1.85	96	197411	45.964	ug/l	92
13) Acrolein	2.08	56	53275	197.670	ug/l	85
14) Allyl chloride	2.18	41	329133	47.826	ug/l	83
15) Acrylonitrile	3.06	53	138528	241.235	ug/l #	91
16) Acetone	2.33	43	214167	181.135	ug/l #	88
17) Carbon Disulfide	1.88	76	582440	44.784	ug/l	97
18) Methyl Acetate	2.44	43	107330	51.601	ug/l	92
19) Methyl tert-butyl Ether	2.53	73	477755	45.670	ug/l	95
20) Methylene Chloride	2.31	84	202047m	49.960	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	201650	47.011	ug/l	89
22) Diisopropyl ether	2.91	45	576830	46.178	ug/l #	92
23) Vinyl Acetate	3.31	43	1173698	236.534	ug/l	96
24) 1,1-Dichloroethane	2.98	63	372835	44.136	ug/l	98
25) 2-Butanone	4.49	43	369281	257.406	ug/l #	92
26) 2,2-Dichloropropane	3.74	77	197751	41.333	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	246579	51.414	ug/l	90
28) Bromochloromethane	3.87	49	165938	53.300	ug/l	96
29) Tetrahydrofuran	4.23	42	154287	286.156	ug/l	98
30) Chloroform	4.01	83	480307	46.080	ug/l	96
31) Cyclohexane	3.85	56	332651	54.841	ug/l	97
32) 1,1,1-Trichloroethane	4.25	97	387143	44.634	ug/l	97
36) 1,1-Dichloropropene	4.44	75	365884	52.650	ug/l	96
37) Ethyl Acetate	4.26	43	142993	53.733	ug/l	88
38) Carbon Tetrachloride	4.14	117	377843m	44.668	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060415.D
 Acq On : 2 Oct 2018 21:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/3/2018 1:15:58 PM

Quant Time: Oct 03 04:30:25 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	5.60	83	352895	51.799	ug/l	92
40) Benzene	4.78	78	749508	54.329	ug/l	98
41) Methacrylonitrile	4.90	41	69972	49.590	ug/l	92
42) 1,2-Dichloroethane	5.10	62	272316	41.375	ug/l	94
43) Isopropyl Acetate	7.09	43	179934	55.950	ug/l	100
44) Trichloroethene	5.65	130	220626	49.841	ug/l	96
45) 1,2-Dichloropropane	6.38	63	196264	53.420	ug/l	93
46) Dibromomethane	6.23	93	142127	48.115	ug/l	94
47) Bromodichloromethane	6.53	83	325432	44.484	ug/l	98
48) Methyl methacrylate	6.85	41	110278	47.770	ug/l	94
49) 1,4-Dioxane	6.84	88	22138	1112.201	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	607143	265.212	ug/l	98
52) Toluene	7.76	92	485306	51.791	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	257601	44.931	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	333164	49.721	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	146068	49.179	ug/l	91
56) Ethyl methacrylate	8.75	69	191881	56.853	ug/l #	91
57) 1,3-Dichloropropane	8.98	76	251660	50.084	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	77901	225.966	ug/l	100
59) 2-Hexanone	9.61	43	425956	253.673	ug/l	93
60) Dibromochloromethane	8.84	129	210065	46.973	ug/l	97
61) 1,2-Dibromoethane	9.12	107	162994	50.152	ug/l	99
64) Tetrachloroethene	8.28	164	205423	50.558	ug/l	97
65) Chlorobenzene	9.93	112	521625	49.681	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	214893	46.875	ug/l	97
67) Ethyl Benzene	10.03	91	972493	48.714	ug/l	97
68) m/p-Xylenes	10.25	106	674865	98.338	ug/l	86
69) o-Xylene	10.82	106	355568	47.533	ug/l	92
70) Styrene	10.88	104	514821	48.384	ug/l	97
71) Bromoform	10.87	173	114619	46.960	ug/l	92
73) Isopropylbenzene	11.22	105	1004698	50.678	ug/l	98
74) N-amyl acetate	11.45	43	266252	58.517	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	187473	51.868	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	125336	47.103	ug/l	98
77) Bromobenzene	11.58	156	225556	50.897	ug/l	94
78) n-propylbenzene	11.67	91	1192454	49.616	ug/l	98
79) 2-Chlorotoluene	11.80	91	682795	48.567	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	813442	48.294	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	64482m	54.668	ug/l	
82) 4-Chlorotoluene	11.98	91	707901	49.212	ug/l	99
83) tert-Butylbenzene	12.21	119	821646	49.457	ug/l	93
84) 1,2,4-Trimethylbenzene	12.27	105	832395	49.831	ug/l	98
85) sec-Butylbenzene	12.38	105	1132544	49.388	ug/l	97
86) p-Isopropyltoluene	12.53	119	903564	48.230	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	406789	48.780	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	385713	46.907	ug/l	97
89) n-Butylbenzene	12.91	91	934969	47.163	ug/l	97
90) Hexachloroethane	12.98	117	229810	47.461	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	386141	48.327	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	33169	47.337	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100218\
Data File : VF060415.D
Acq On : 2 Oct 2018 21:42
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

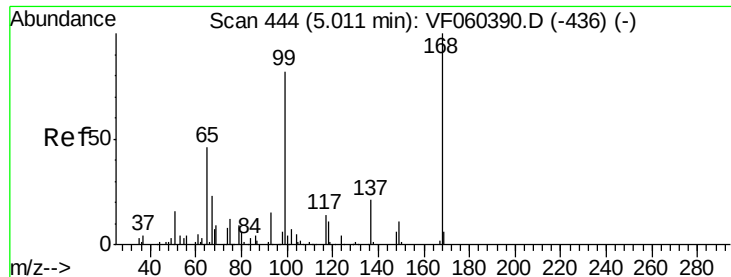
Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM

Quant Time: Oct 03 04:30:25 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	276760	46.342	ug/l	93
94) Hexachlorobutadiene	14.25	225	183824	44.102	ug/l	97
95) Naphthalene	14.51	128	541082	50.673	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	267128	47.716	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 354079

Ion Ratio Lower Upper

168 100

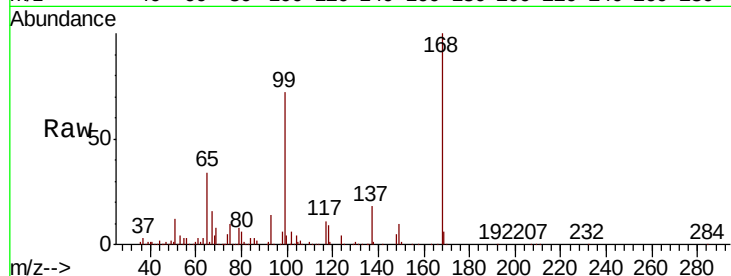
99 72.0 65.3 97.9

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

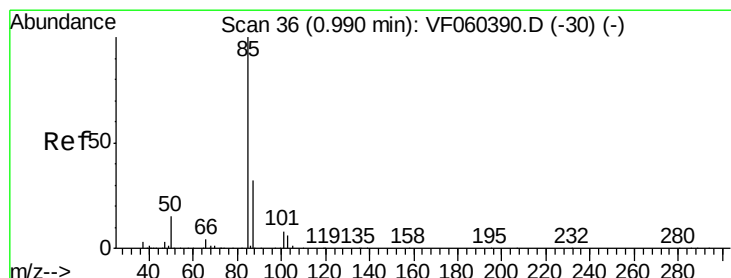
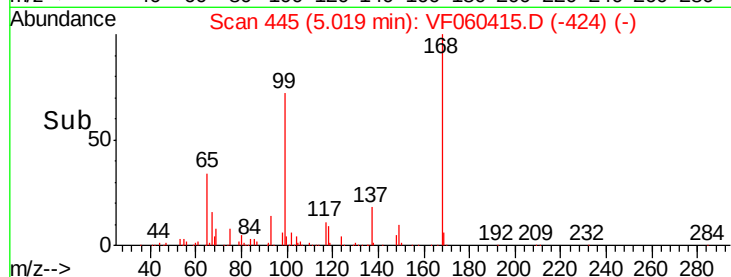
5.02

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 38.288 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060415.D

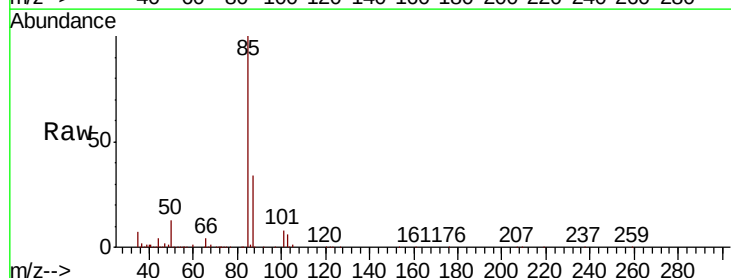
Acq: 2 Oct 2018 21:42

Tgt Ion: 85 Resp: 301445

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

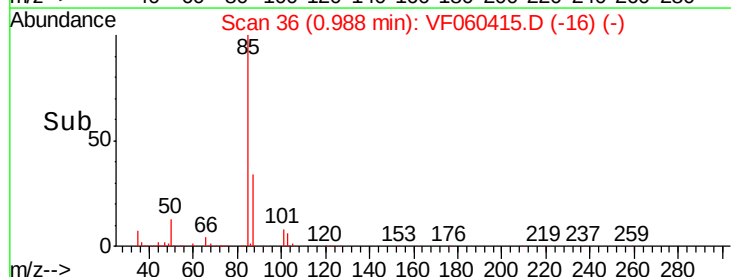
0.99

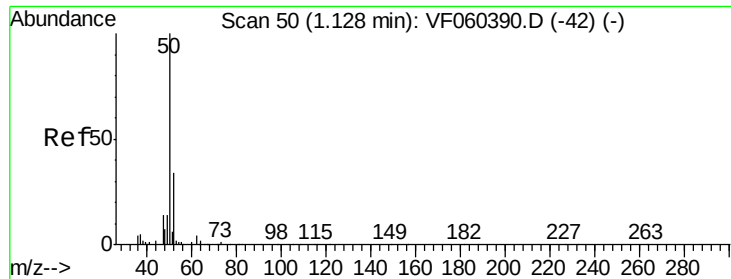
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.205 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 217350

Ion Ratio Lower Upper

50 100

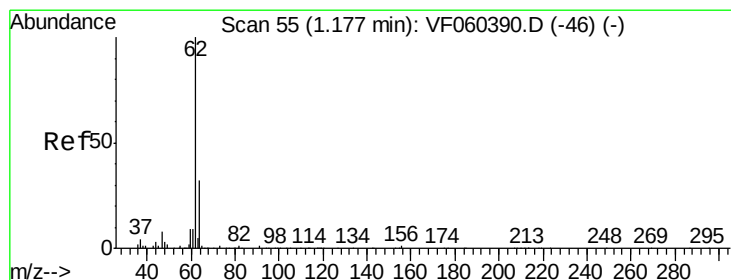
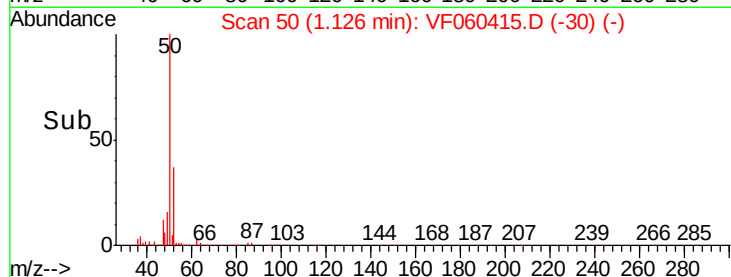
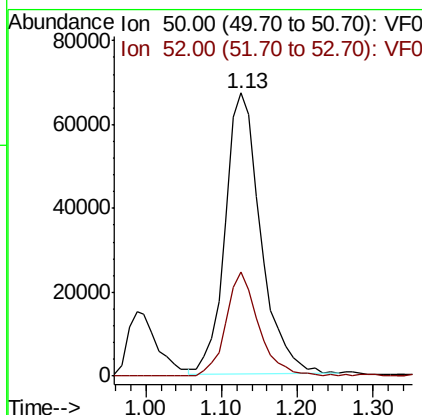
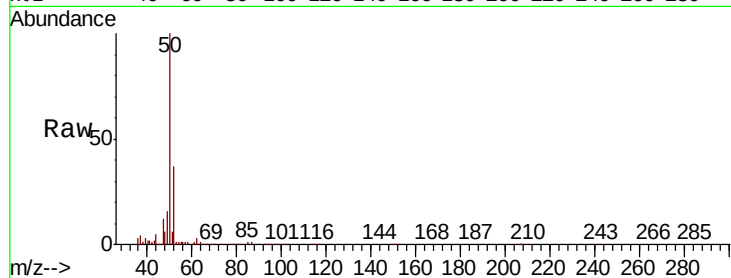
52 37.0 26.9 40.3

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



#4

Vinyl Chloride

Concen: 46.241 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060415.D

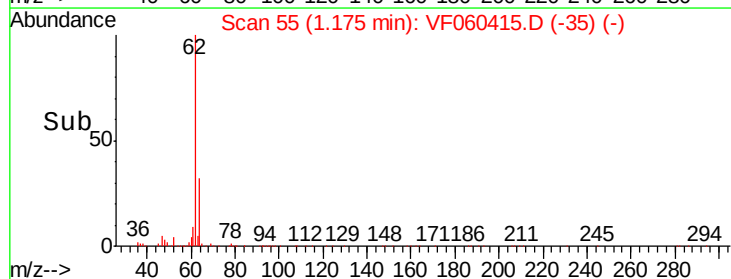
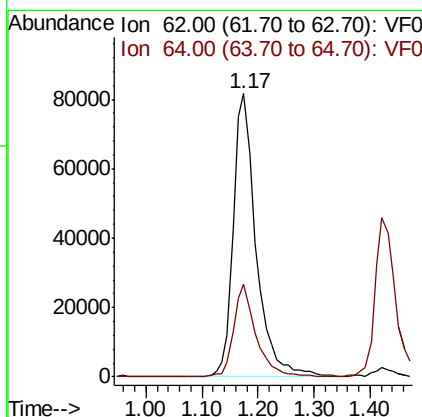
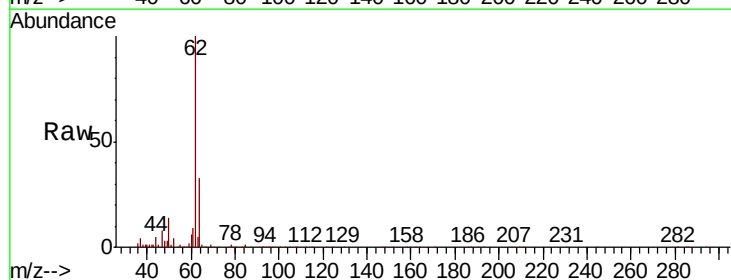
Acq: 2 Oct 2018 21:42

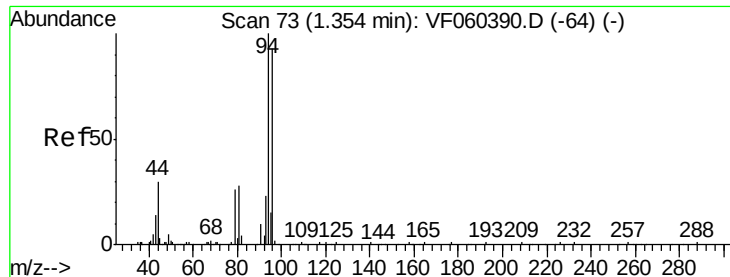
Tgt Ion: 62 Resp: 231281

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.6





#5

Bromomethane

Concen: 41.037 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tot Ion: 94 Resp: 158983

Ion Ratio Lower Upper

94 100

96 93.1 74.3 111.5

Instrument :

MSVOA_F

ClientSampleId :

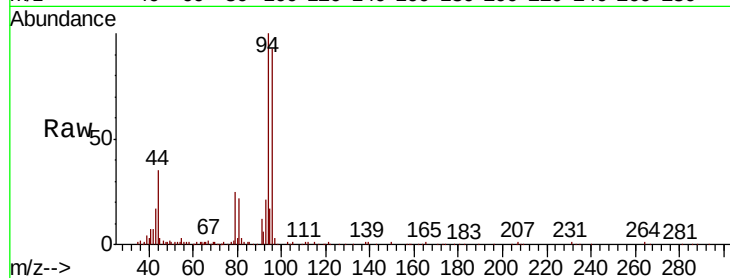
VSTDCCC050EC

Manual Integrations

APPROVED

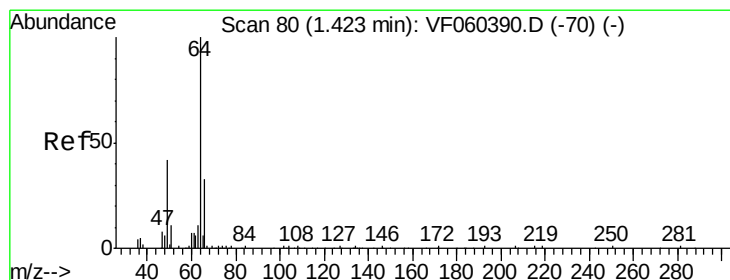
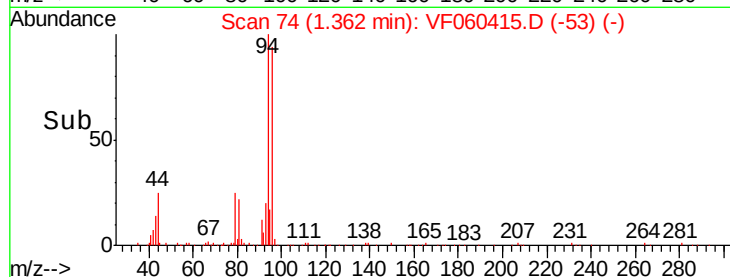
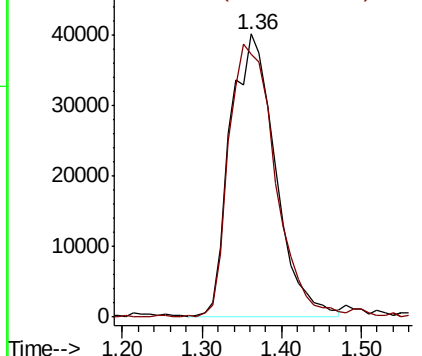
apatel

10/3/2018 1:15:58 PM



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 47.070 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060415.D

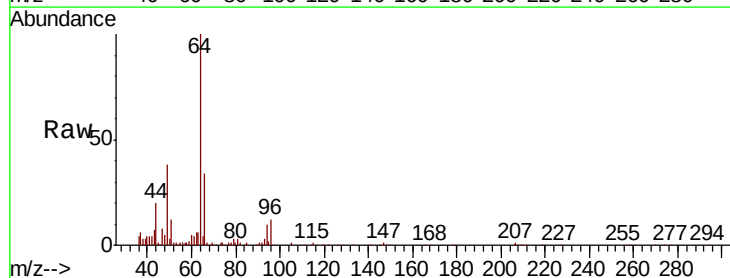
Acq: 2 Oct 2018 21:42

Tgt Ion: 64 Resp: 117485

Ion Ratio Lower Upper

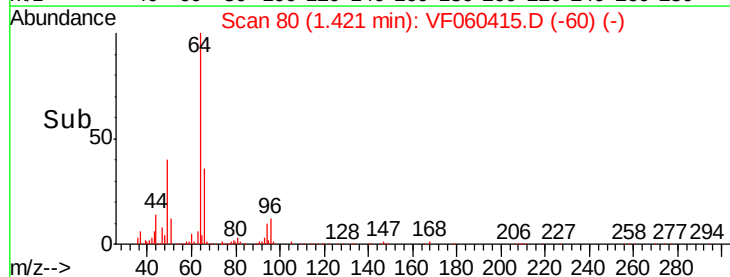
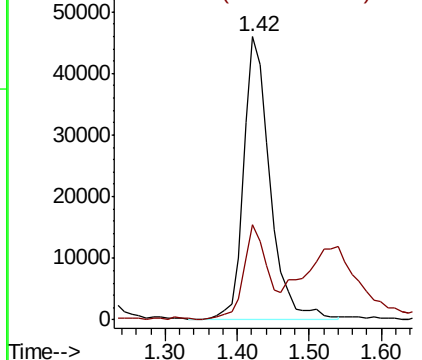
64 100

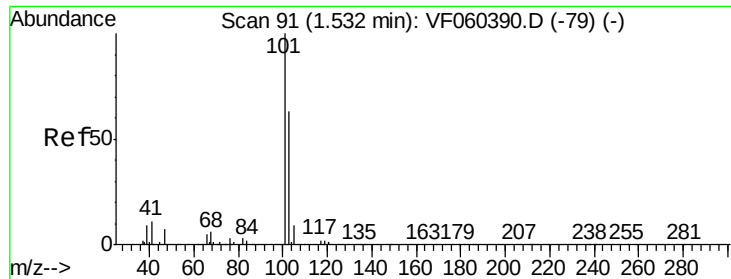
66 33.8 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

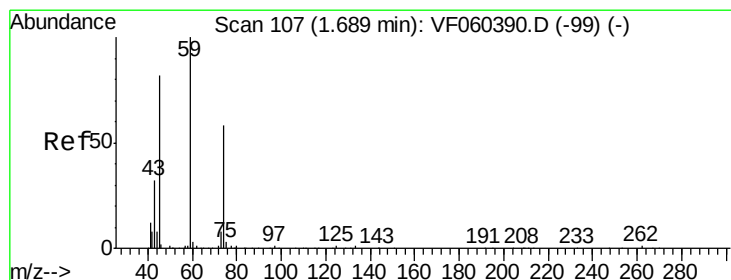
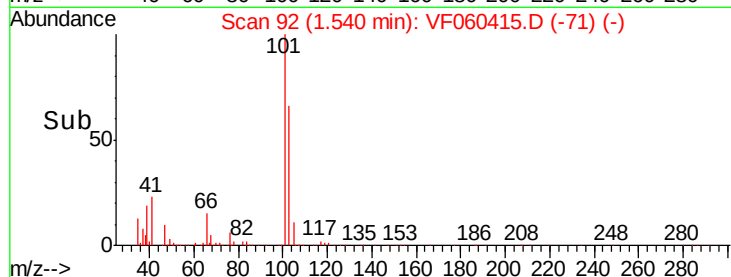
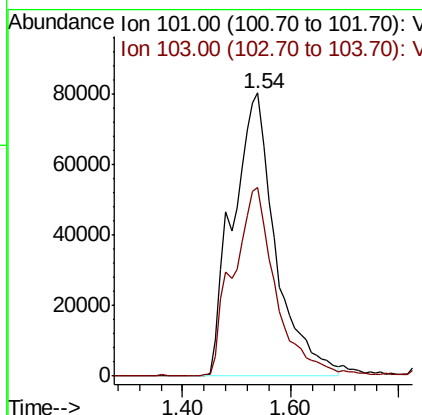
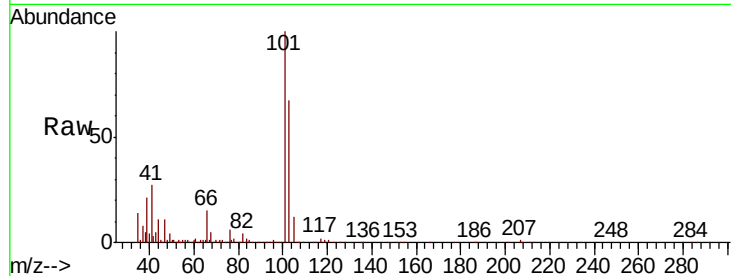
Trichlorofluoromethane
Concen: 38.086 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.0	76.4

Manual Integrations
APPROVED

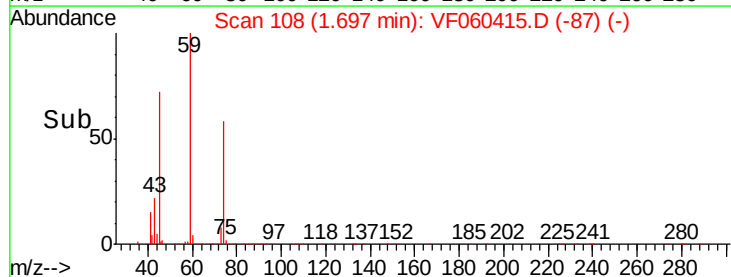
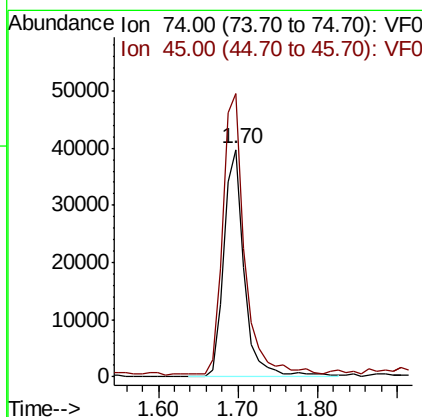
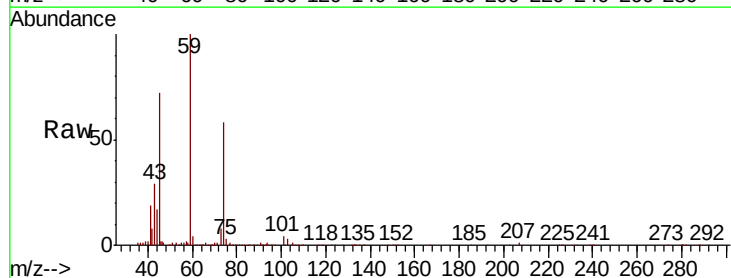
apatel
10/3/2018 1:15:58 PM

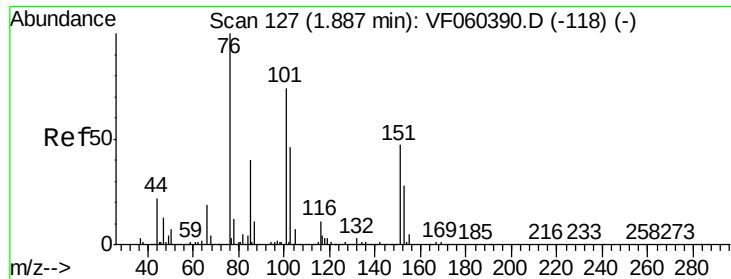


#8

Diethyl Ether
Concen: 44.693 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.3	71.3	213.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.047 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

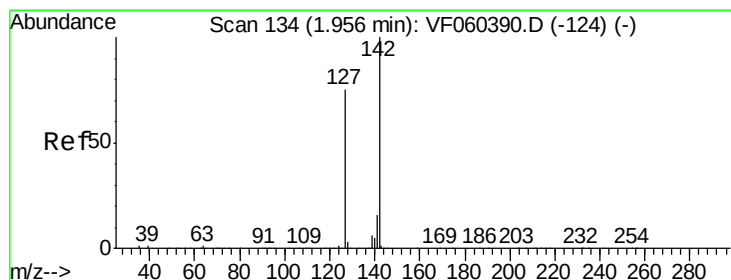
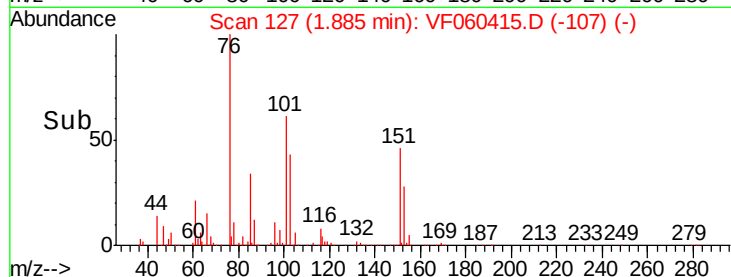
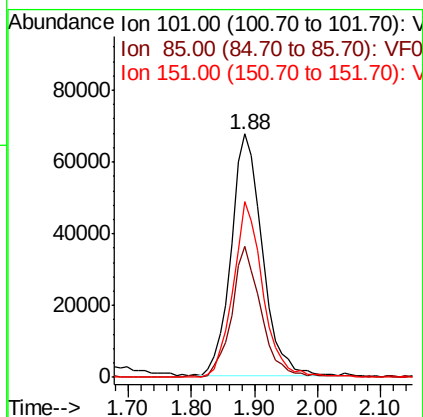
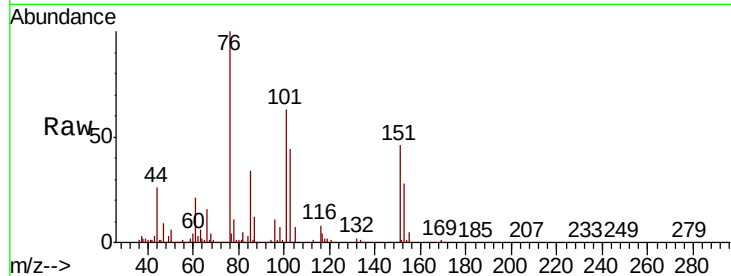
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	228164
Ion Ratio	Lower	Upper	
101	100		
85	53.6	42.5	63.7
151	72.0	49.8	74.8

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#10

Methyl Iodide

Concen: 45.423 ug/l

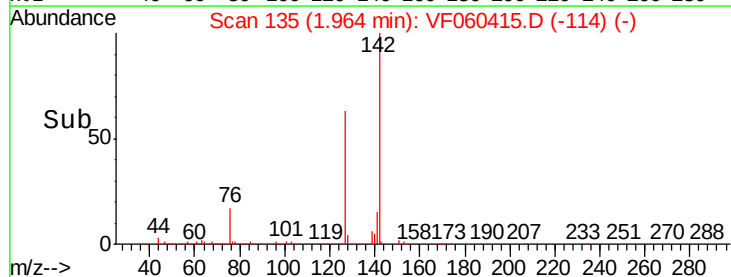
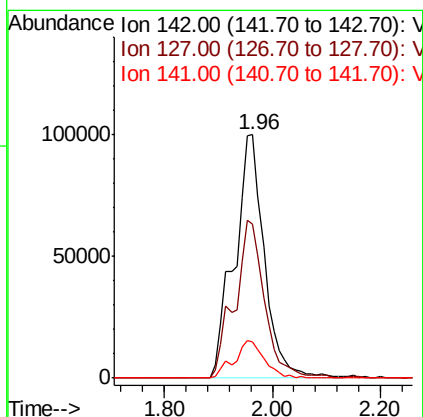
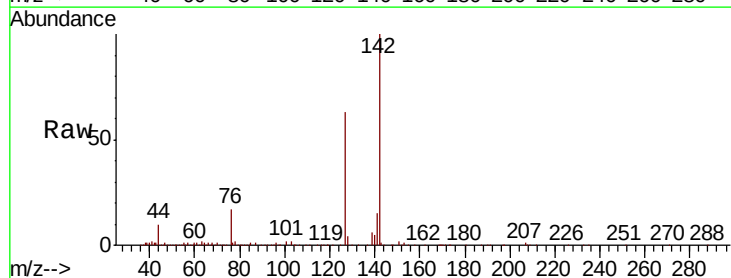
RT: 1.96 min Scan# 135

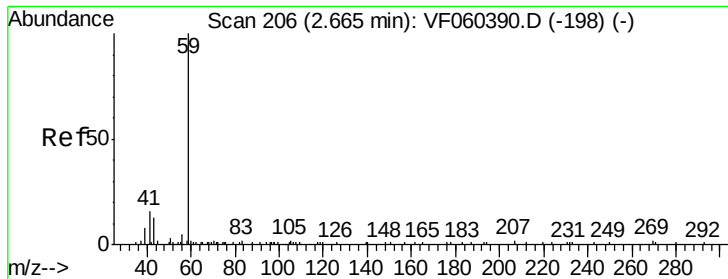
Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion:	142	Resp:	385040
Ion Ratio	Lower	Upper	
142	100		
127	63.2	60.2	90.2
141	14.7	13.1	19.7





#11

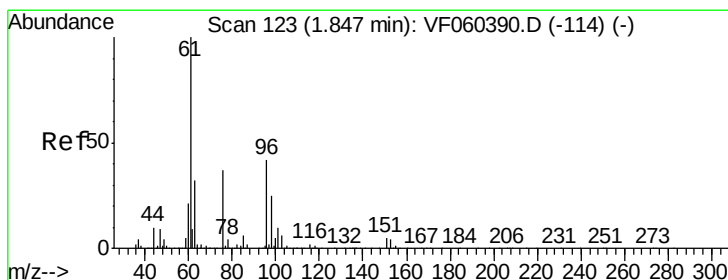
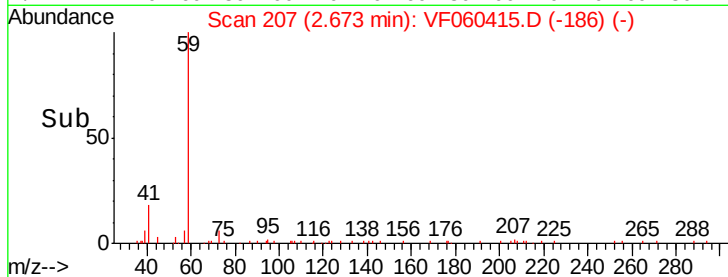
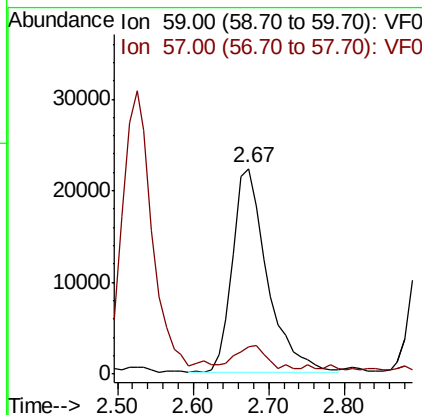
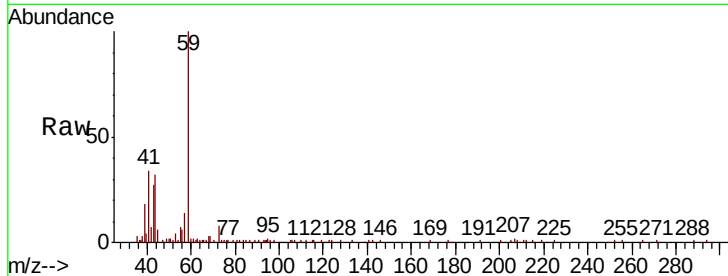
Tert butyl alcohol
Concen: 210.518 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.5	6.5	9.7#

Manual Integrations
APPROVED

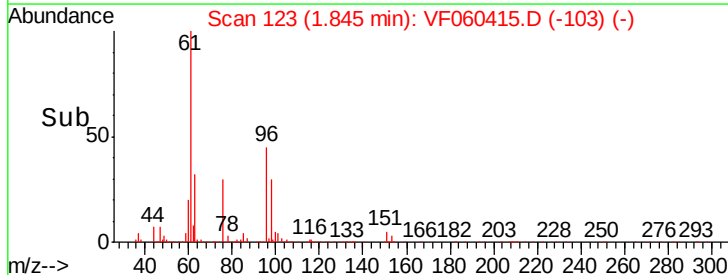
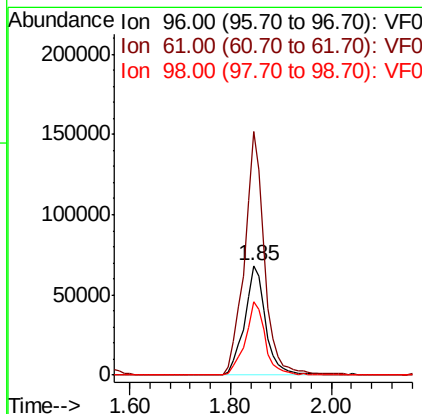
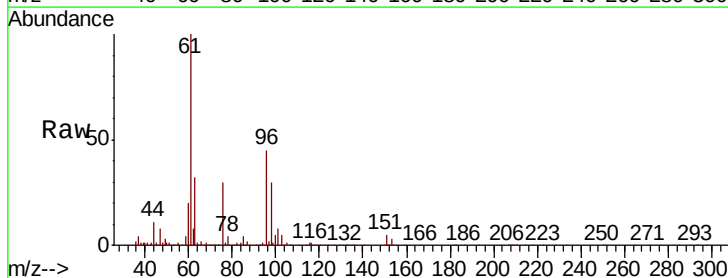
apatel
10/3/2018 1:15:58 PM

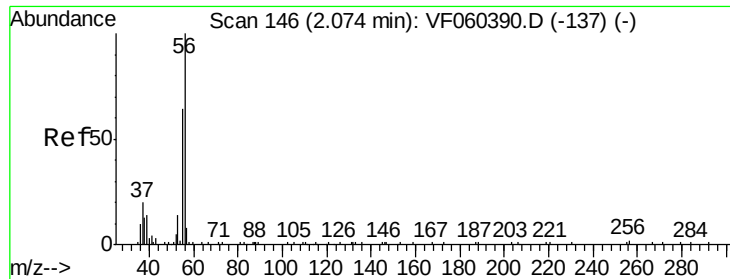


#12

1,1-Dichloroethene
Concen: 45.964 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	223.0	189.4	284.0
98	67.0	47.8	71.6





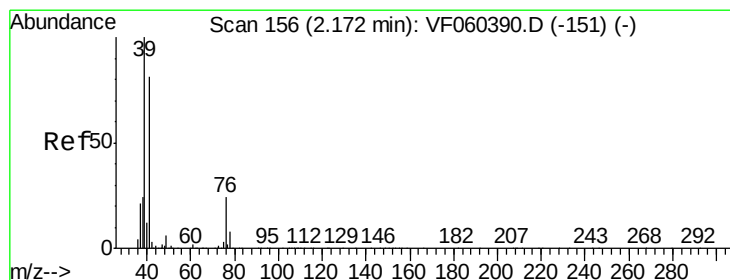
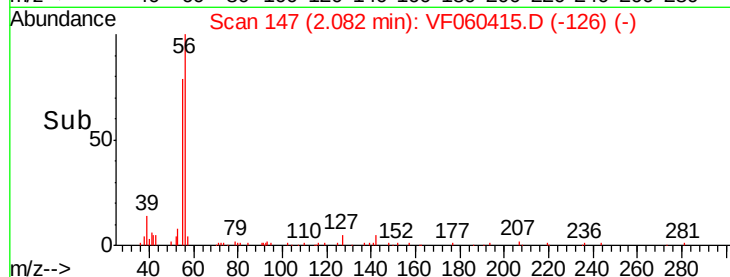
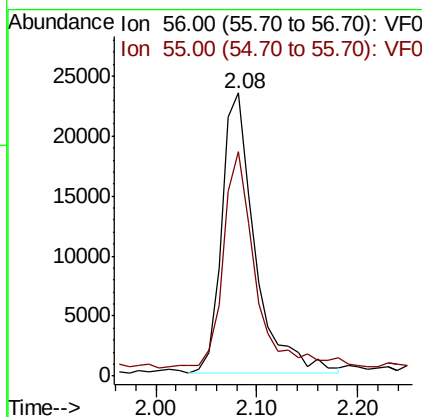
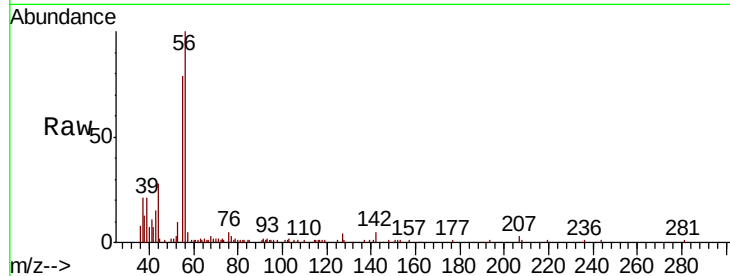
#13
Acrolein
Concen: 197.670 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	79.2	53.9	80.9

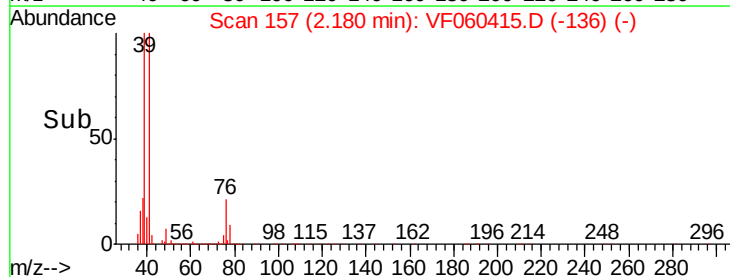
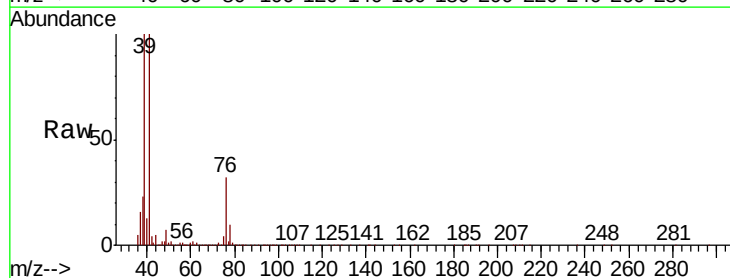
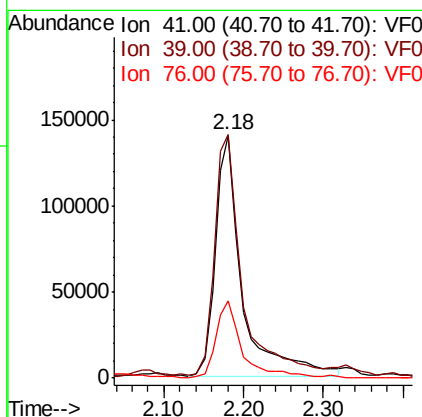
Manual Integrations
APPROVED

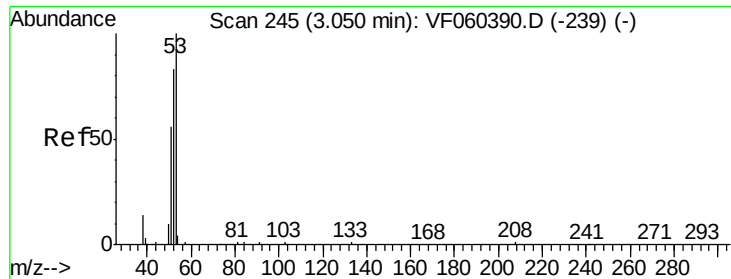
apatel
10/3/2018 1:15:58 PM



#14
Allyl chloride
Concen: 47.826 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	100.2	98.3	147.5
76	31.8	23.9	35.9





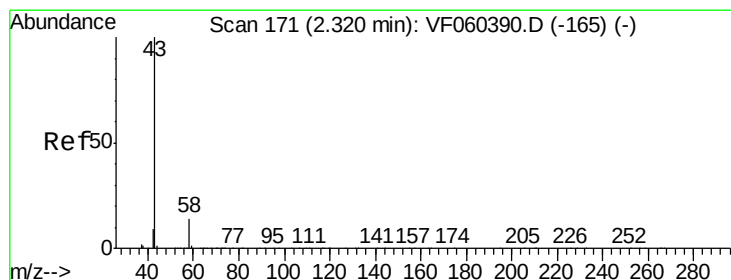
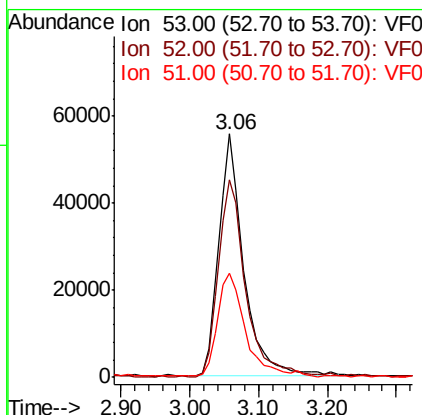
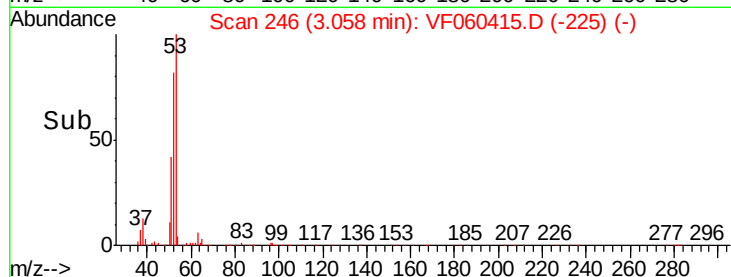
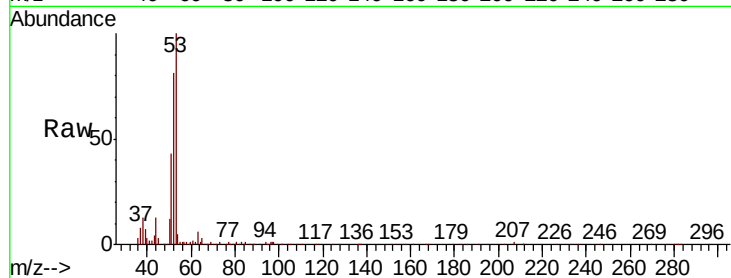
#15
 Acrylonitrile
 Concen: 241.235 ug/l
 RT: 3.06 min Scan# 246
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.0	99.0
51	43.0	45.6	68.4#

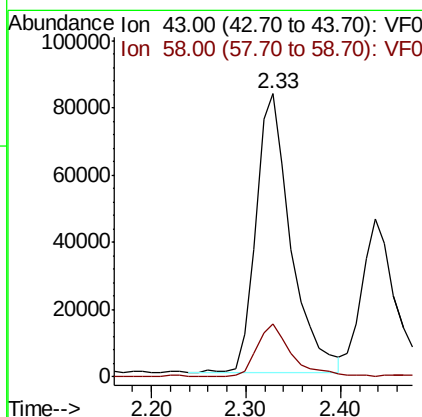
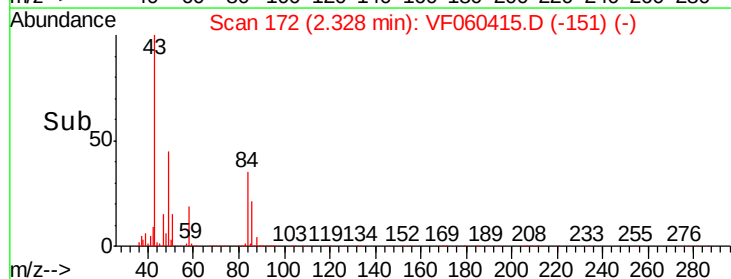
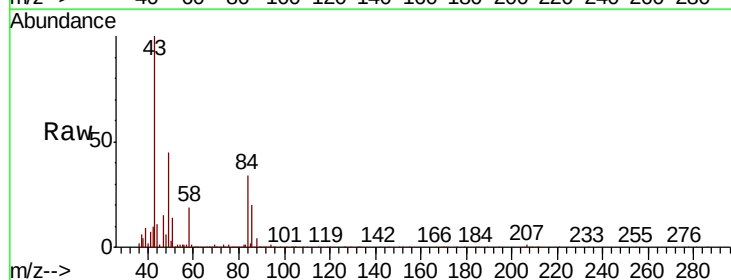
Manual Integrations
 APPROVED

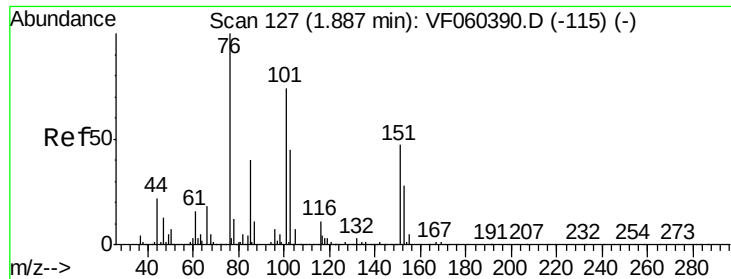
apatel
 10/3/2018 1:15:58 PM



#16
 Acetone
 Concen: 181.135 ug/l
 RT: 2.33 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	18.8	11.2	16.8#





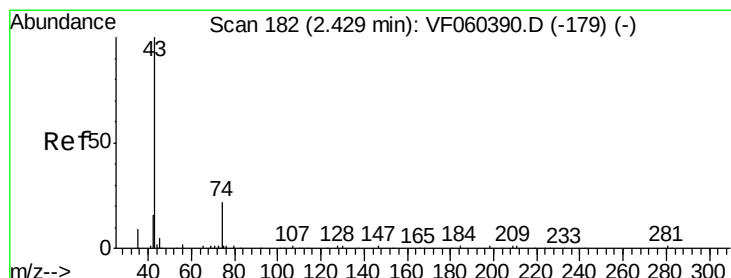
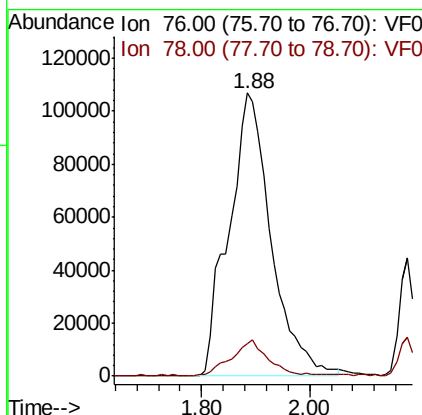
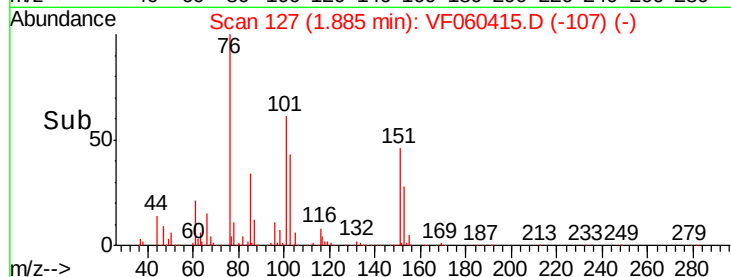
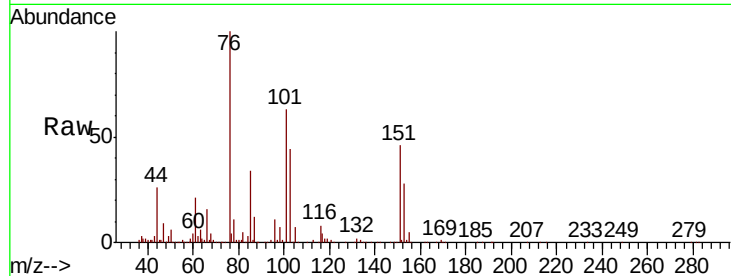
#17
Carbon Disulfide
Concen: 44.784 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 582440
Ion Ratio Lower Upper
76 100
78 11.5 10.1 15.1

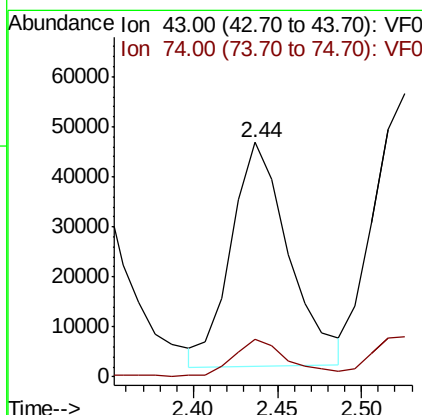
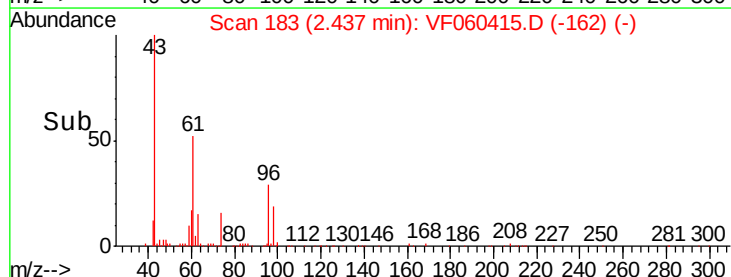
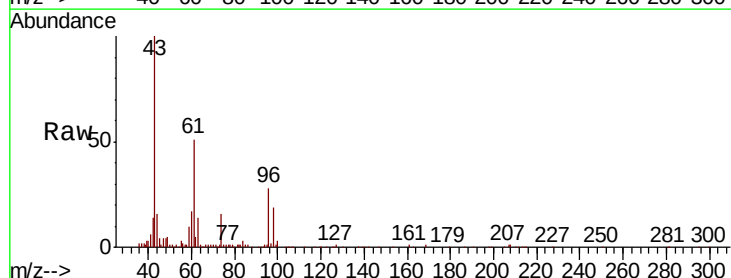
Manual Integrations
APPROVED

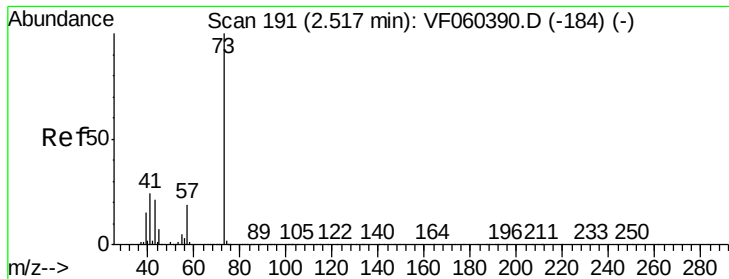
apatel
10/3/2018 1:15:58 PM



#18
Methyl Acetate
Concen: 51.601 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 43 Resp: 107330
Ion Ratio Lower Upper
43 100
74 16.0 15.8 23.8





#19

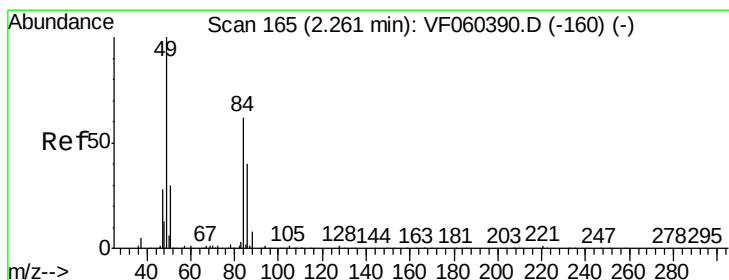
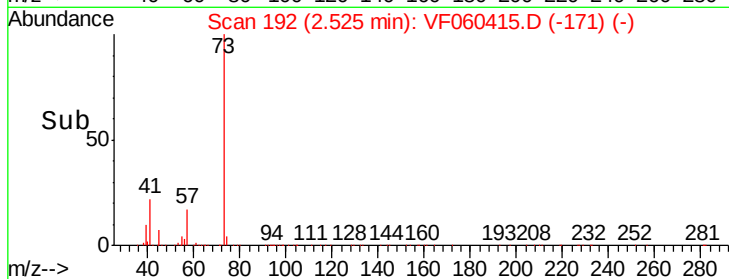
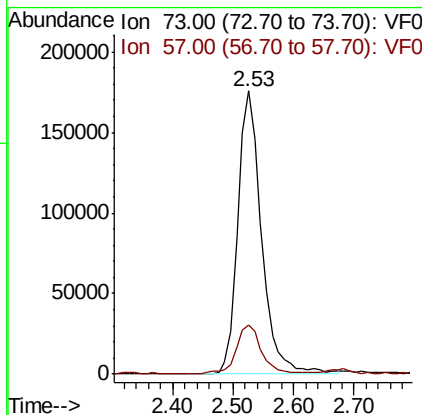
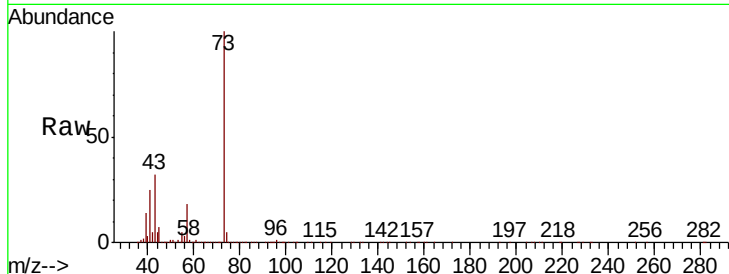
Methyl tert-butyl Ether
 Concen: 45.670 ug/l
 RT: 2.53 min Scan# 192
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	15.9	23.9

Manual Integrations
 APPROVED

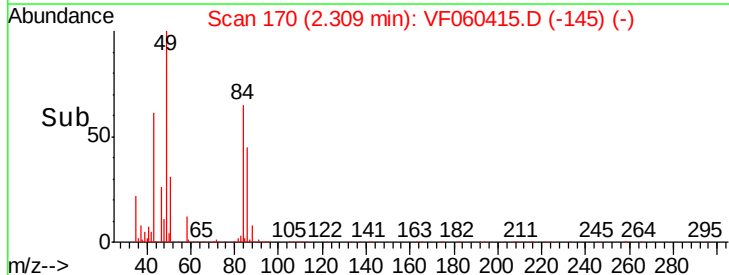
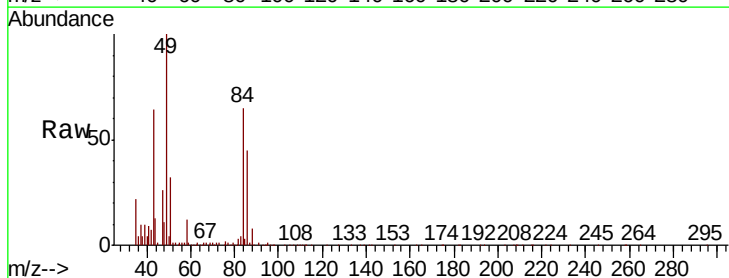
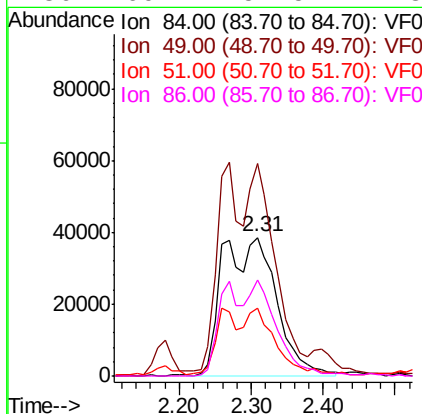
apatel
 10/3/2018 1:15:58 PM

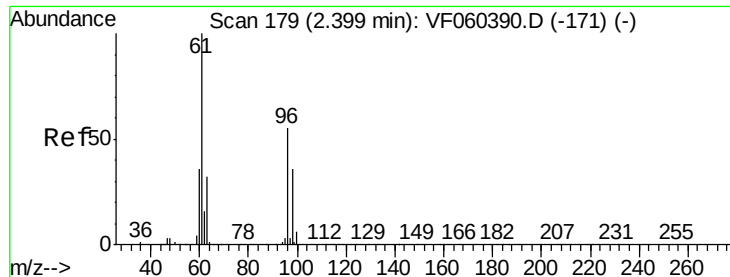


#20

Methylene Chloride
 Concen: 49.960 ug/l m
 RT: 2.31 min Scan# 170
 Delta R.T. 0.05 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.3	130.2	195.2
51	48.7	41.0	61.6
86	69.7	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 47.011 ug/l

RT: 2.40 min Scan# 179

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

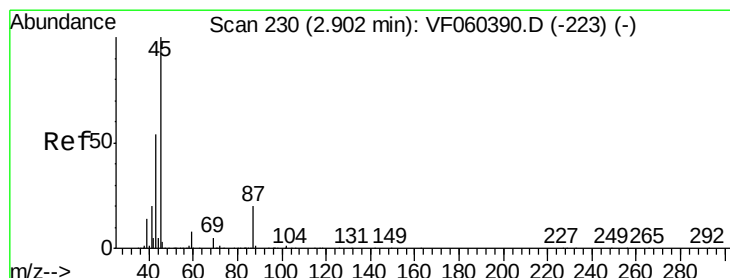
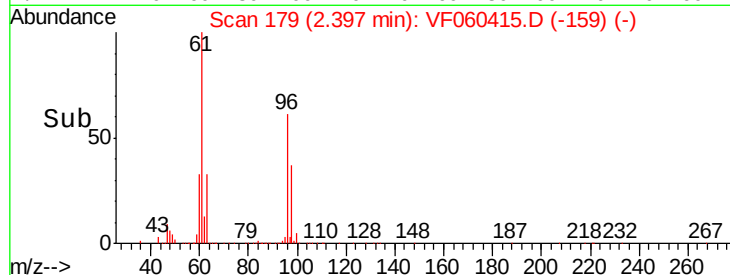
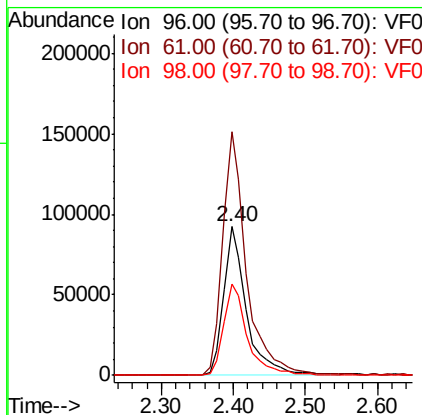
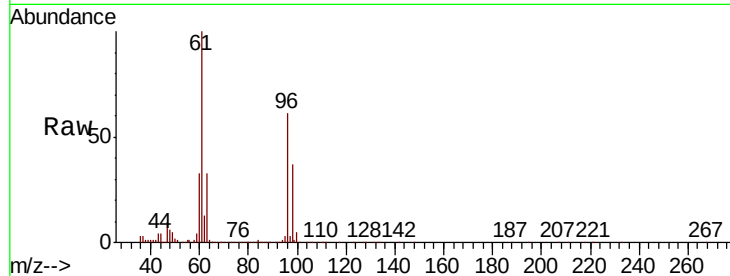
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	201650
Ion	Ratio	Lower	Upper
96	100		
61	164.1	146.2	219.2
98	61.2	52.6	78.8

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#22

Diisopropyl ether

Concen: 46.178 ug/l

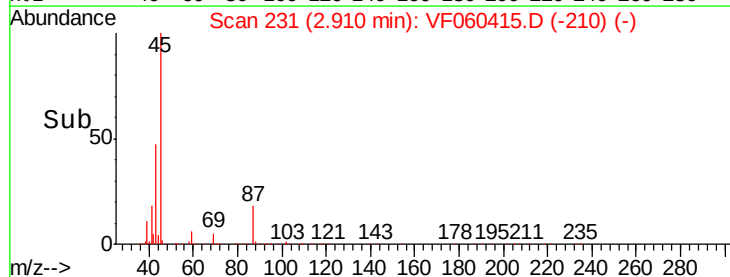
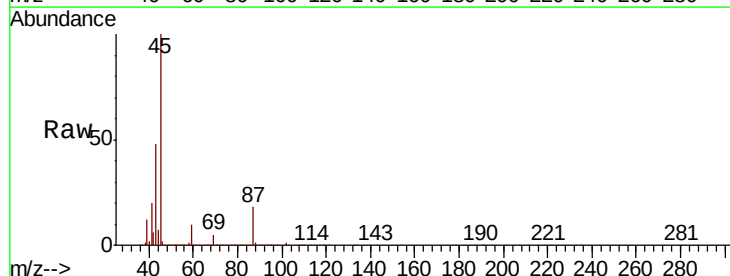
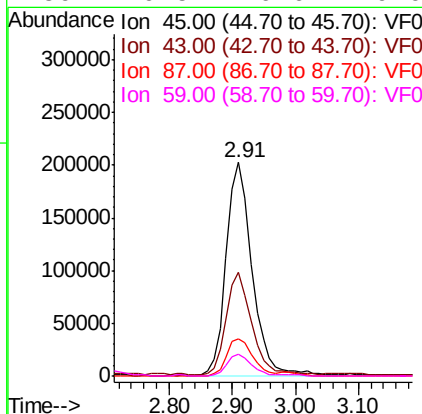
RT: 2.91 min Scan# 231

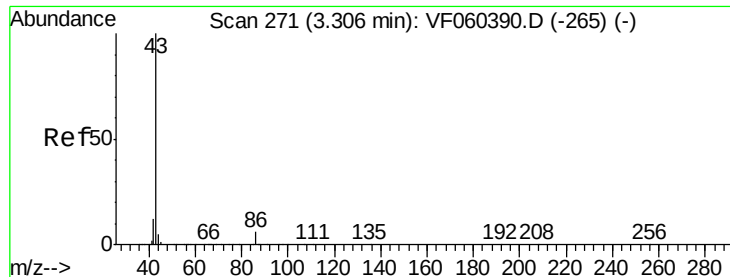
Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion:	45	Resp:	576830
Ion	Ratio	Lower	Upper
45	100		
43	48.4	43.8	65.8
87	17.5	16.3	24.5
59	10.5	6.6	10.0#





#23

Vinyl Acetate

Concen: 236.534 ug/l

RT: 3.31 min Scan# 272

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tot Ion: 43 Resp: 1173698

Ion Ratio Lower Upper

43 100

86 7.6 5.1 7.7

Instrument :

MSVOA_F

ClientSampleId :

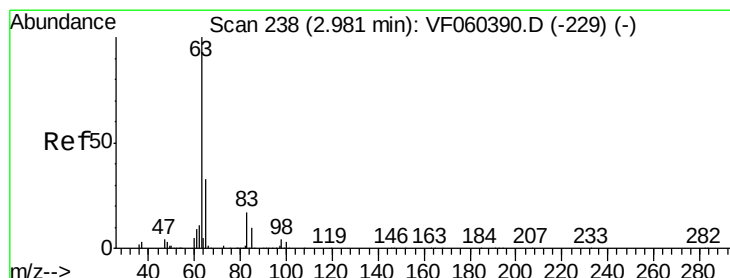
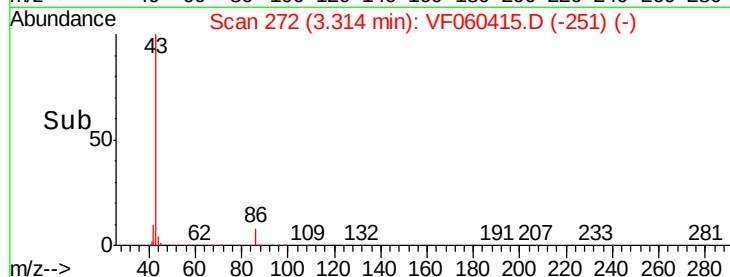
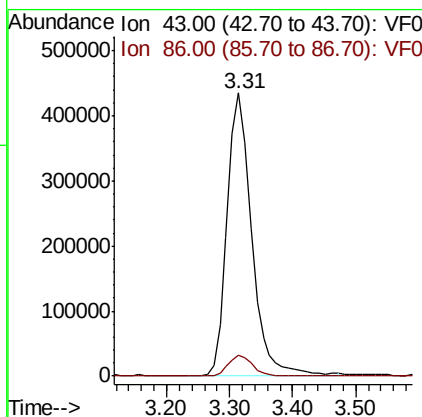
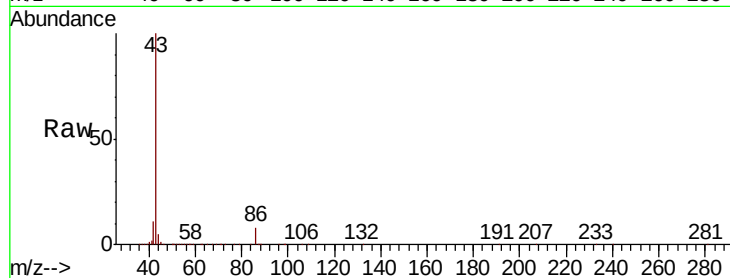
VSTDCCC050EC

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



#24

1,1-Dichloroethane

Concen: 44.136 ug/l

RT: 2.98 min Scan# 238

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

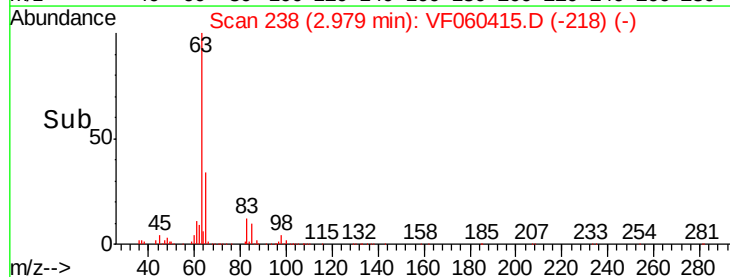
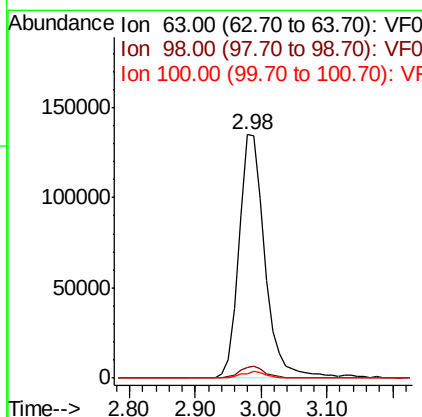
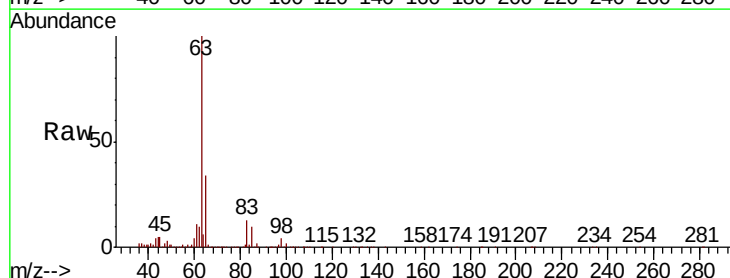
Tgt Ion: 63 Resp: 372835

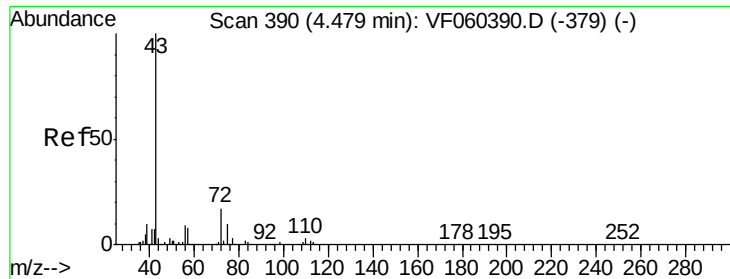
Ion Ratio Lower Upper

63 100

98 4.3 2.0 5.8

100 1.8 1.4 4.2





#25

2-Butanone

Concen: 257.406 ug/l

RT: 4.49 min Scan# 391

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 369281

Ion Ratio Lower Upper

43 100

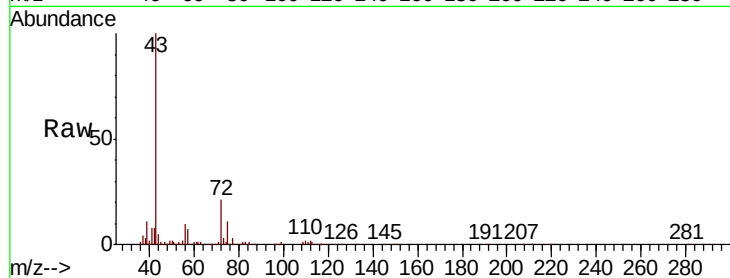
72 21.2 14.1 21.1#

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.49

100000

80000

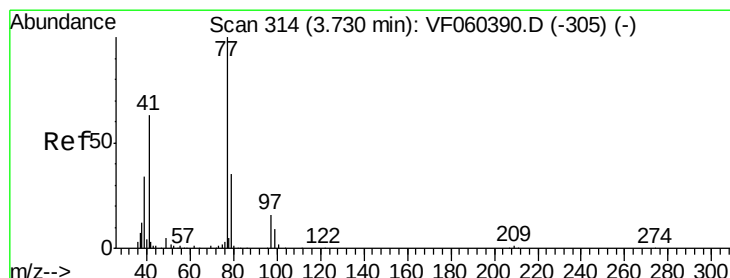
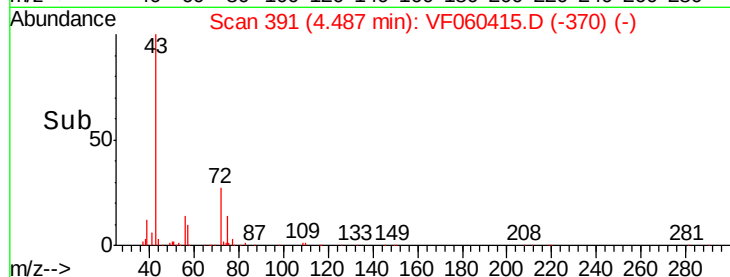
60000

40000

20000

0

Time--> 4.30 4.40 4.50 4.60 4.70



#26

2,2-Dichloropropane

Concen: 41.333 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060415.D

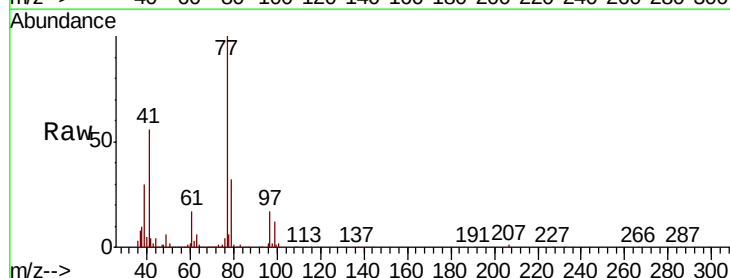
Acq: 2 Oct 2018 21:42

Tgt Ion: 77 Resp: 197751

Ion Ratio Lower Upper

77 100

97 16.7 8.3 25.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.74

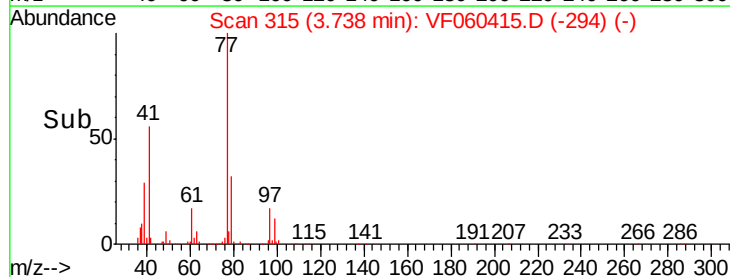
60000

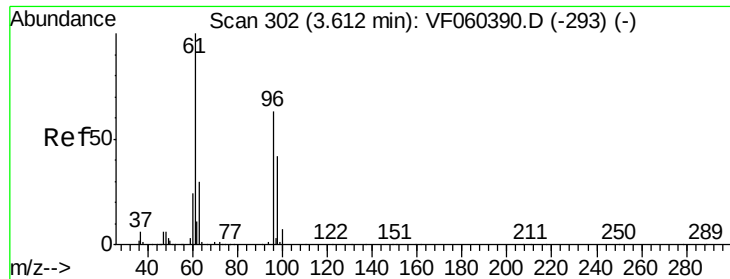
40000

20000

0

Time--> 3.60 3.70 3.80 3.90





#27

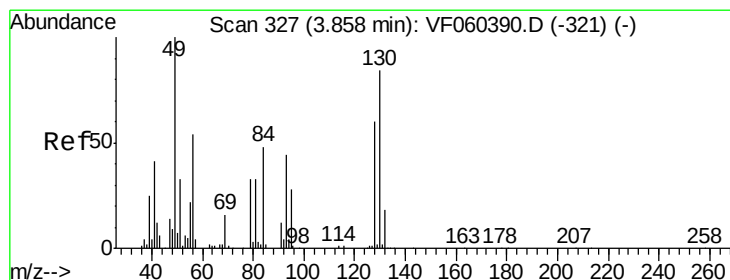
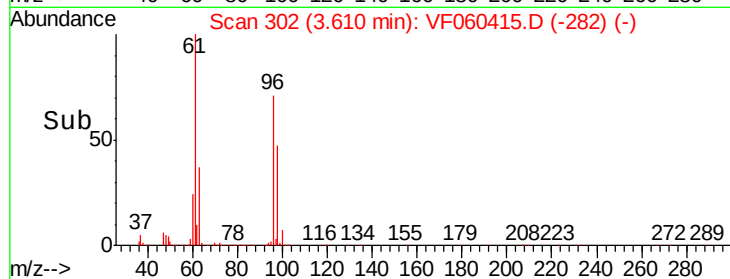
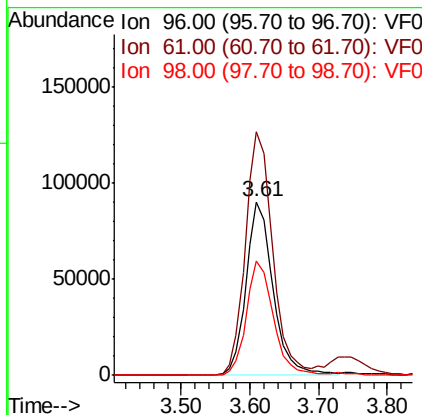
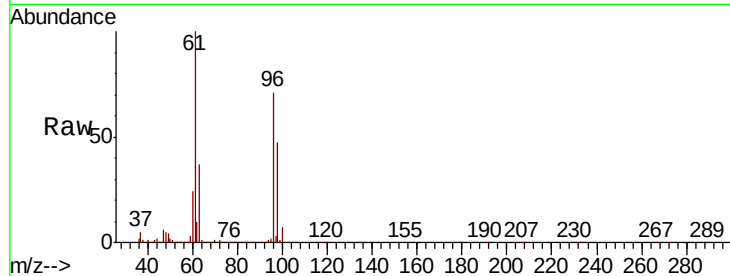
cis-1,2-Dichloroethene
 Concen: 51.414 ug/l
 RT: 3.61 min Scan# 302
 Delta R.T. -0.00 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	318.2
98	65.7	0.0	134.0

Manual Integrations
 APPROVED

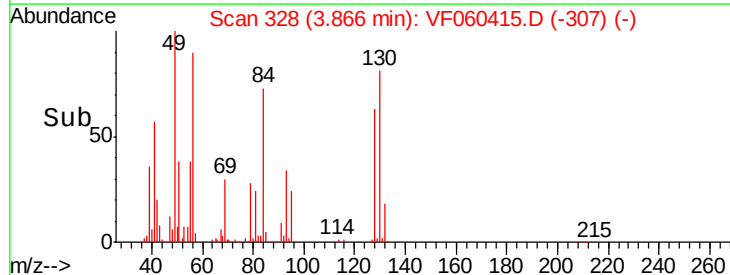
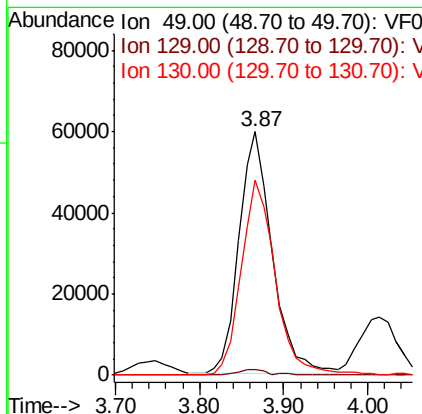
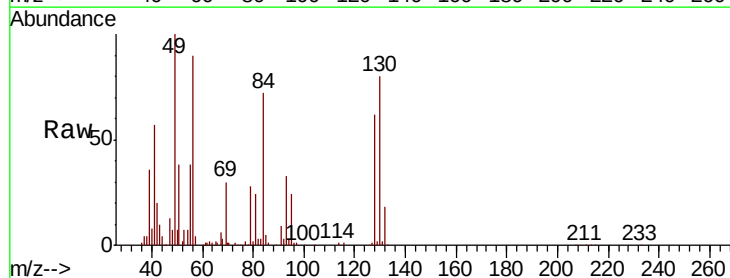
apatel
 10/3/2018 1:15:58 PM

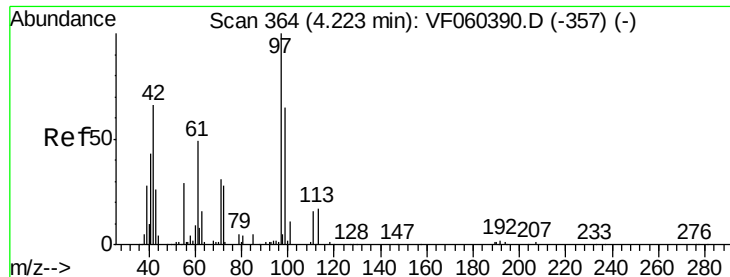


#28

Bromochloromethane
 Concen: 53.300 ug/l
 RT: 3.87 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	80.2	67.3	100.9





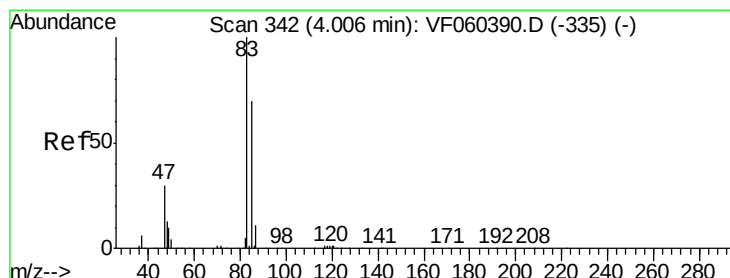
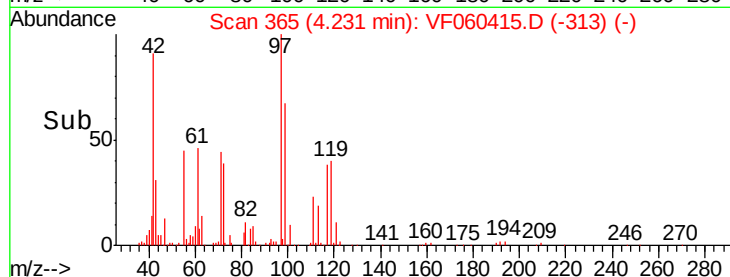
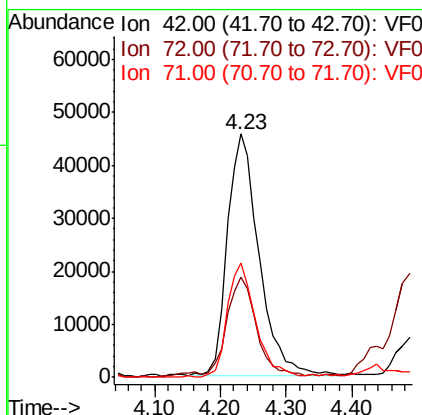
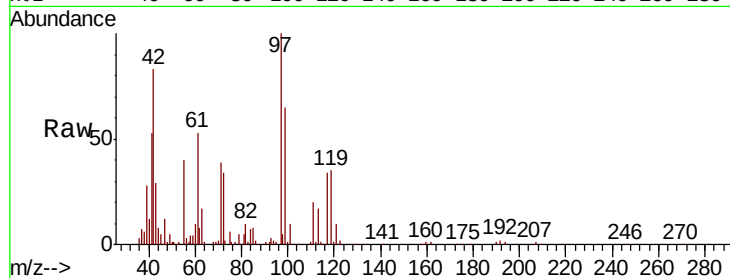
#29
Tetrahydrofuran
Concen: 286.156 ug/l
RT: 4.23 min Scan# 365
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.6	50.4
71	42.4	32.7	49.1

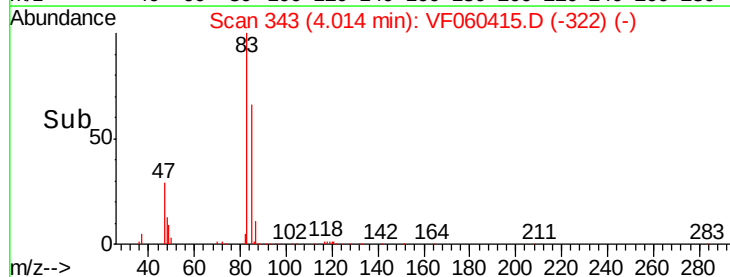
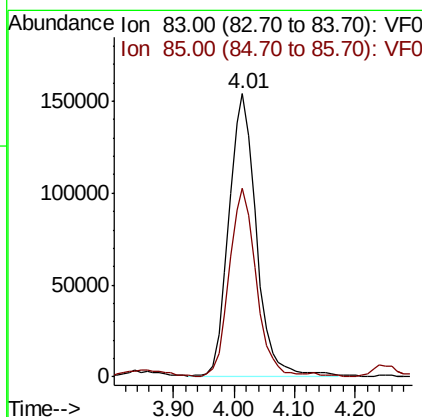
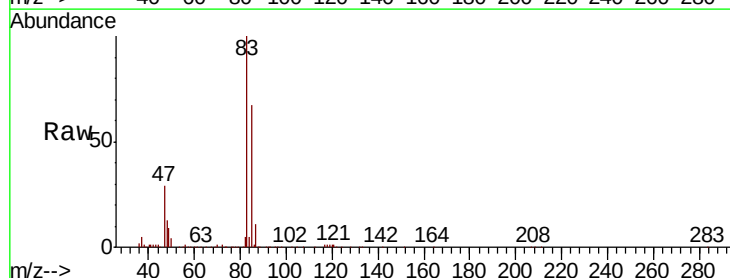
Manual Integrations
APPROVED

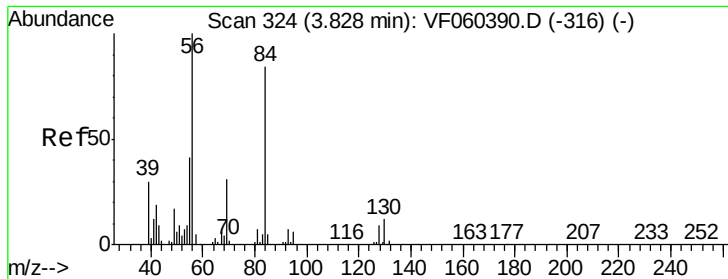
apatel
10/3/2018 1:15:58 PM



#30
Chloroform
Concen: 46.080 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	55.9	83.9





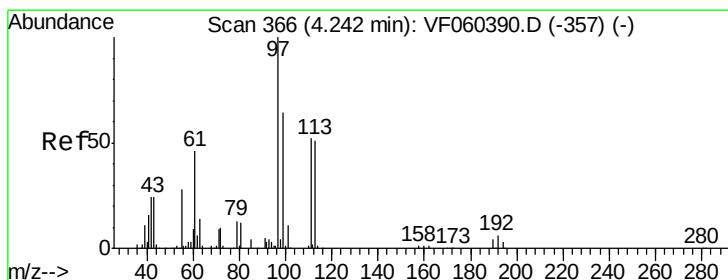
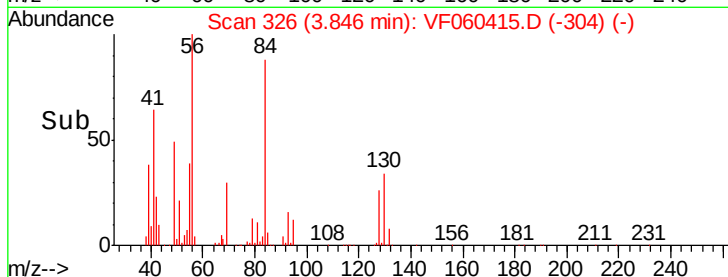
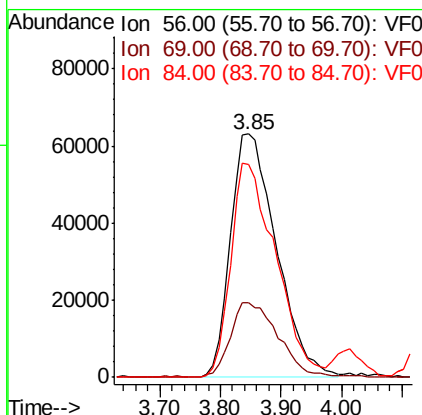
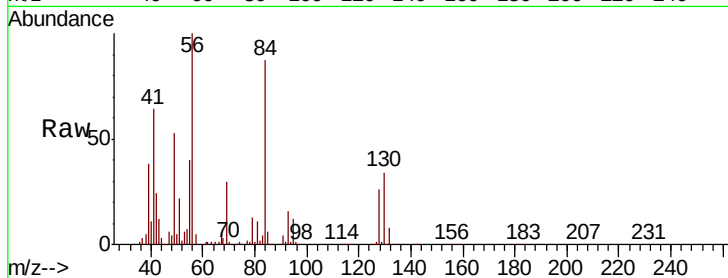
#31
Cyclohexane
Concen: 54.841 ug/l
RT: 3.85 min Scan# 326
Delta R.T. 0.02 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.5	38.3
84	87.5	67.4	101.0

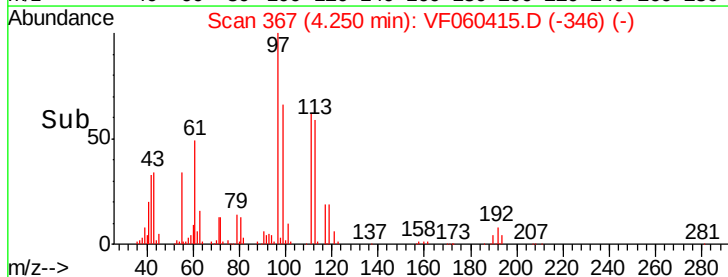
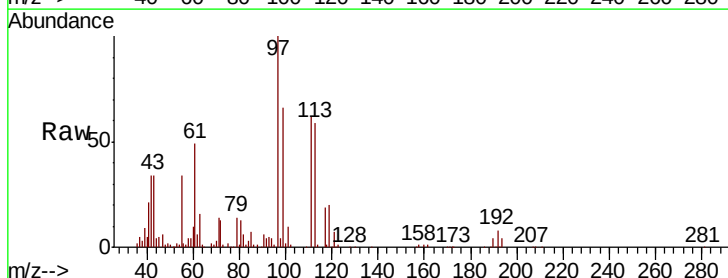
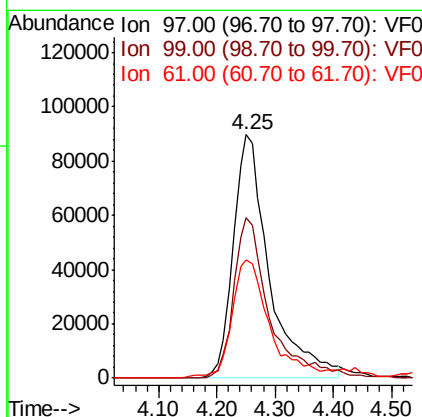
Manual Integrations
APPROVED

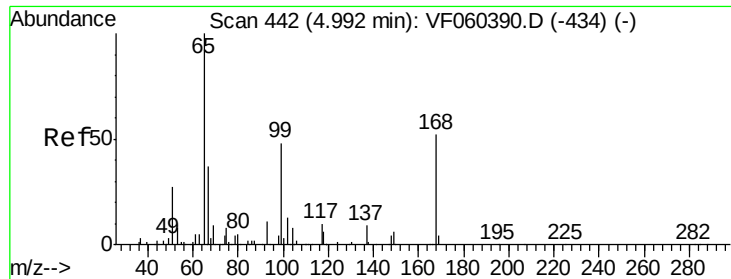
apatel
10/3/2018 1:15:58 PM



#32
1,1,1-Trichloroethane
Concen: 44.634 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.4
61	48.7	37.5	56.3





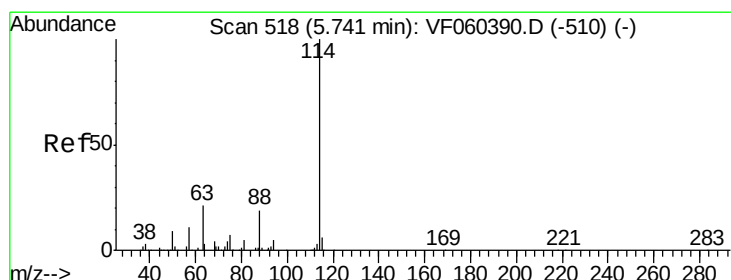
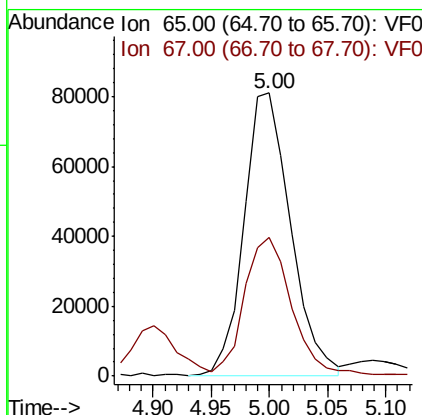
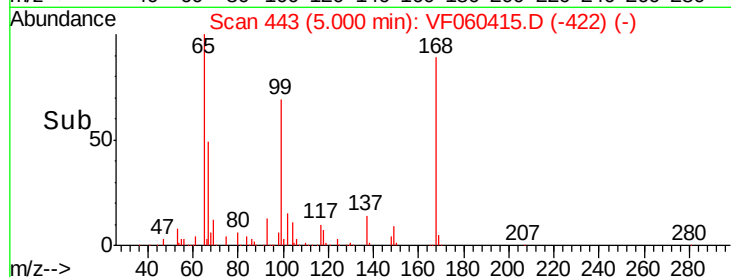
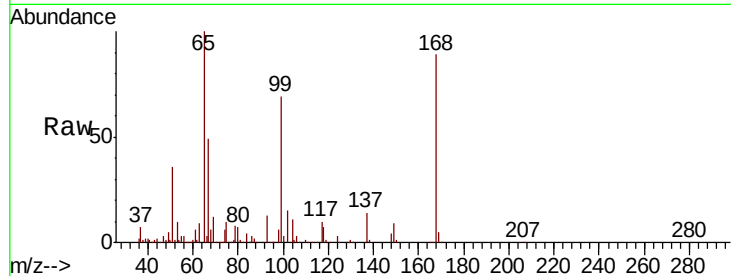
#33
 1,2-Dichloroethane-d4
 Concen: 40.261 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	223066		
67	48.8	0.0	89.4	

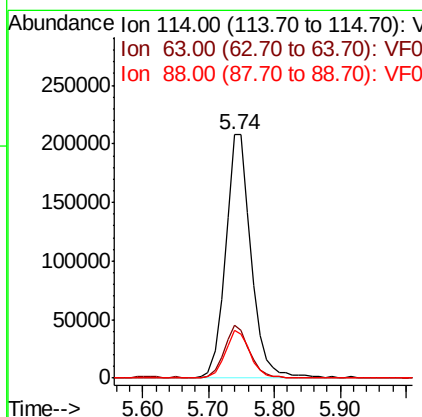
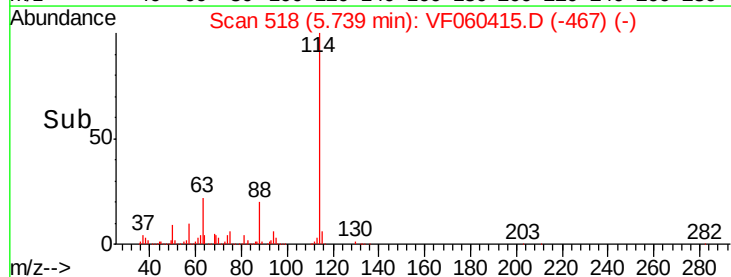
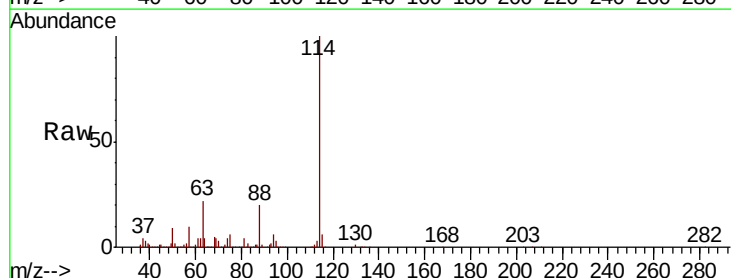
Manual Integrations
 APPROVED

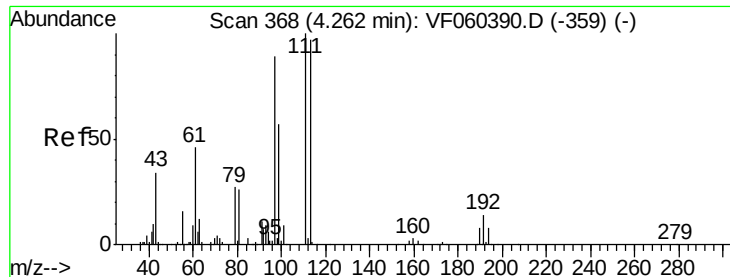
apatel
 10/3/2018 1:15:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	563649		
63	21.9	0.0	42.2	
88	19.7	0.0	38.8	





#35

Dibromofluoromethane

Concen: 49.275 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

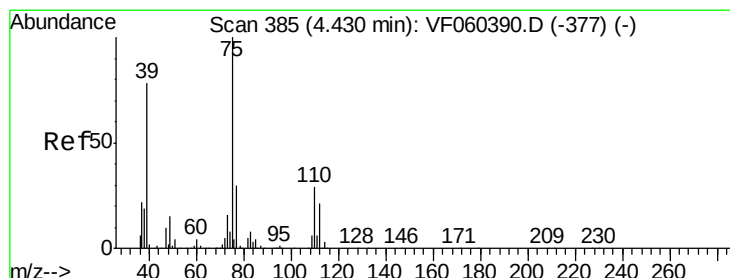
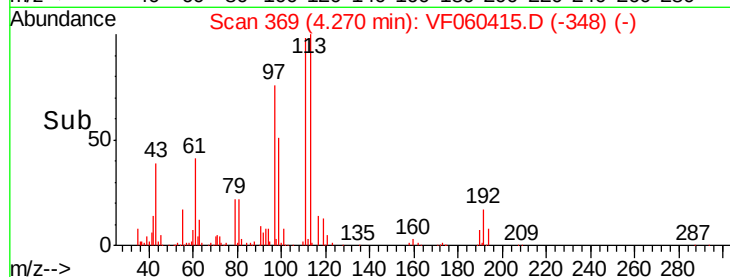
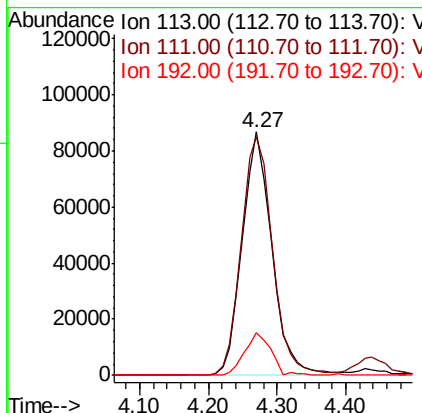
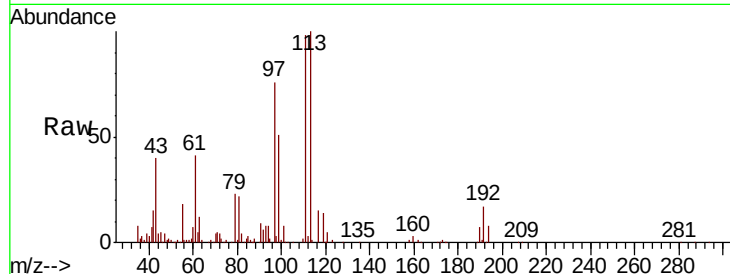
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	260918
Ion Ratio	Lower	Upper	
113	100		
111	97.8	82.3	123.5
192	17.4	11.8	17.6

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#36

1,1-Dichloropropene

Concen: 52.650 ug/l

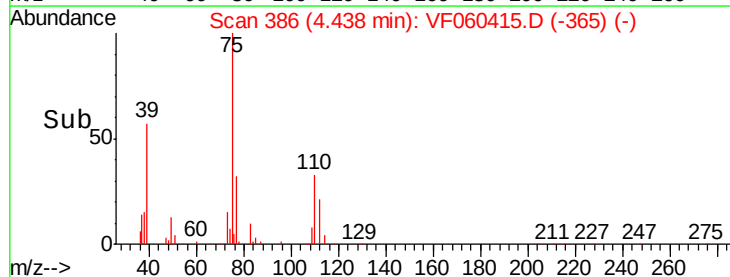
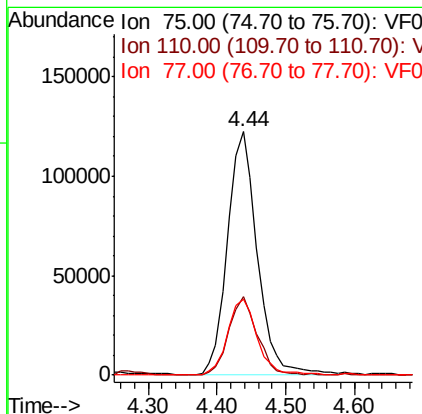
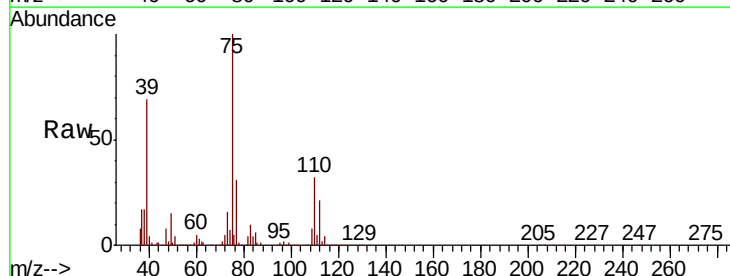
RT: 4.44 min Scan# 386

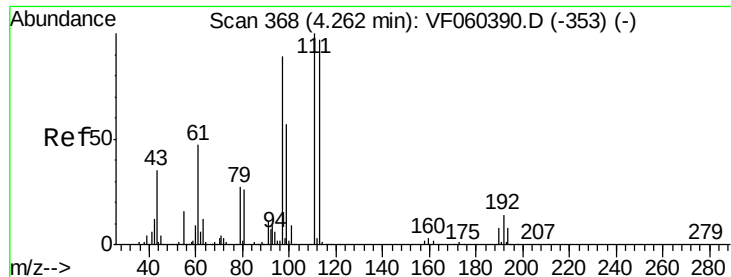
Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion:	75	Resp:	365884
Ion Ratio	Lower	Upper	
75	100		
110	32.2	14.5	43.6
77	31.2	24.3	36.5





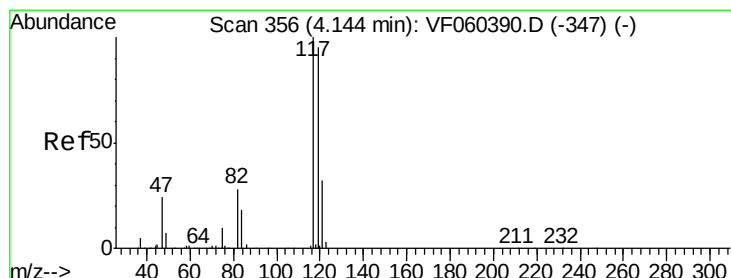
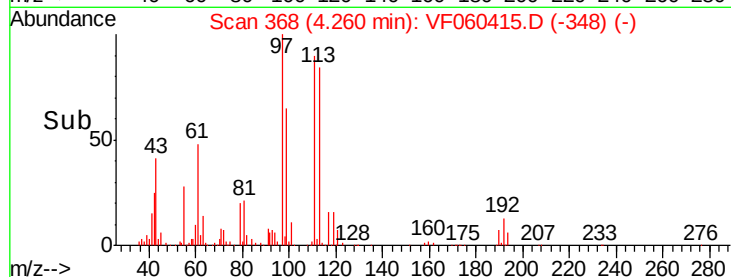
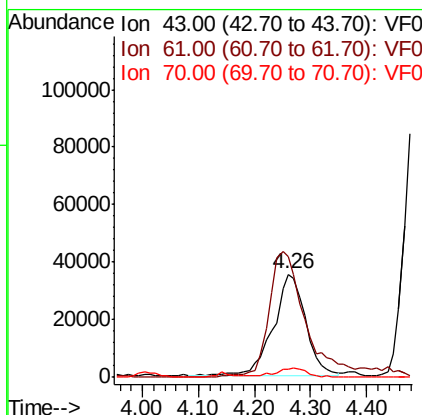
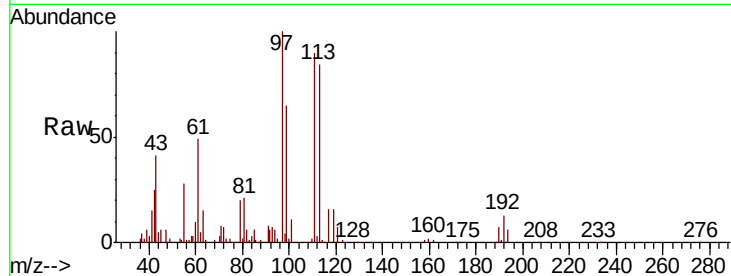
#37
Ethyl Acetate
Concen: 53.733 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	142993					
Ion	43	61	70	100	117.1	8.1
Ratio					105.1	8.0
Lower					157.7	12.0
Upper						

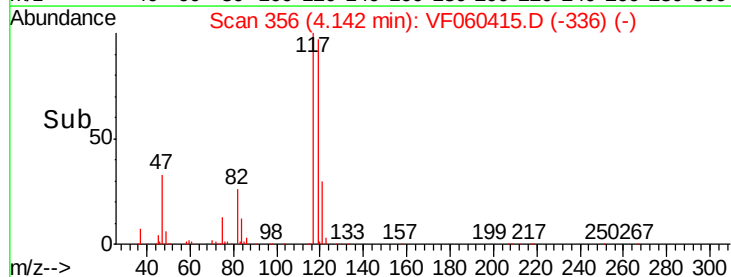
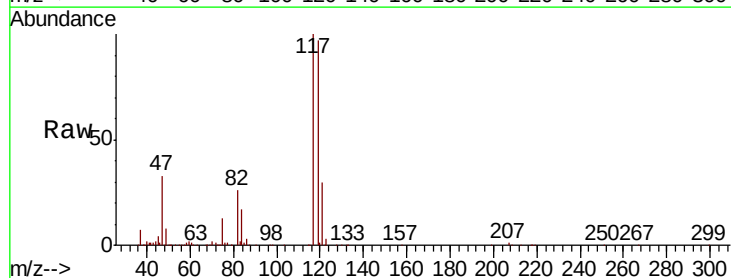
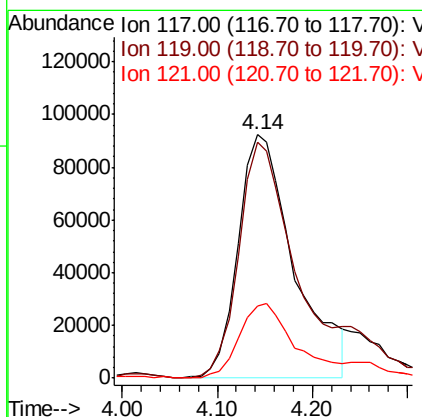
Manual Integrations
APPROVED

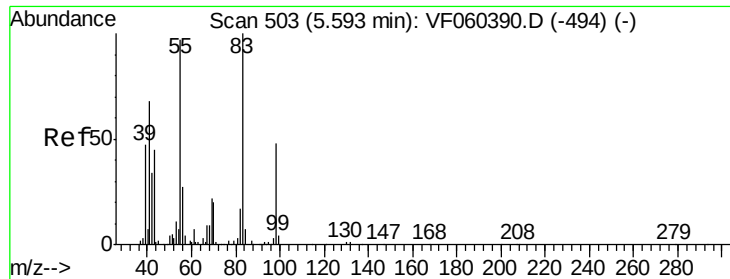
apatel
10/3/2018 1:15:58 PM



#38
Carbon Tetrachloride
Concen: 44.668 ug/l m
RT: 4.14 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	377843					
Ion	117	119	121	100	97.1	29.6
Ratio					75.5	25.4
Lower					113.3	38.0
Upper						





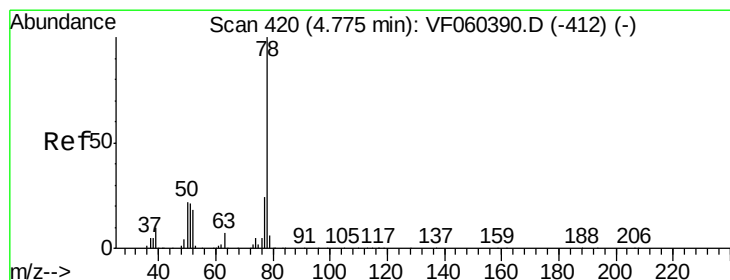
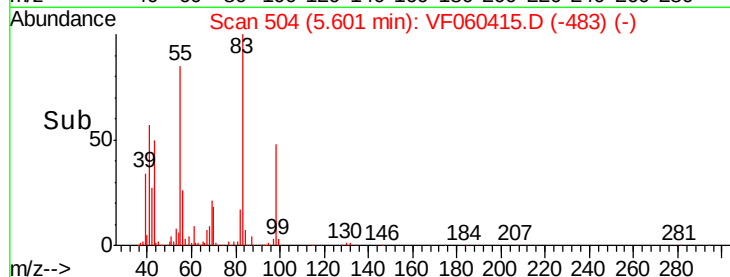
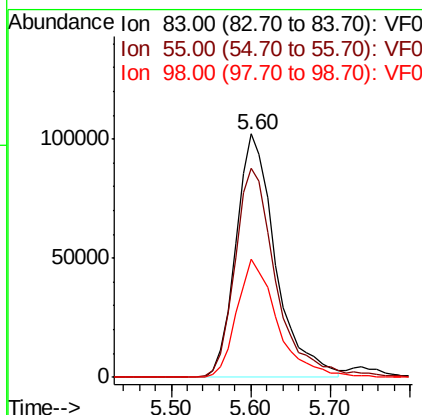
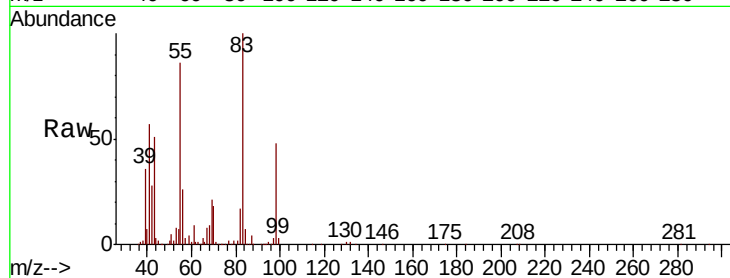
#39
Methylcyclohexane
Concen: 51.799 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.8	77.5	116.3
98	48.5	38.7	58.1

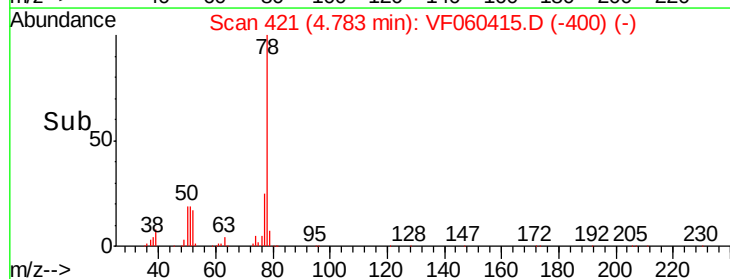
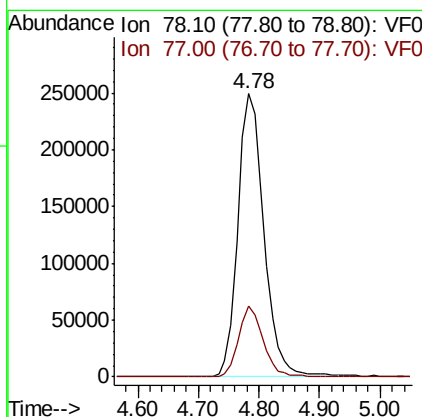
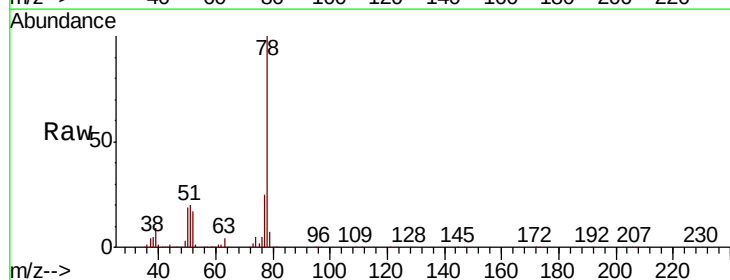
Manual Integrations
APPROVED

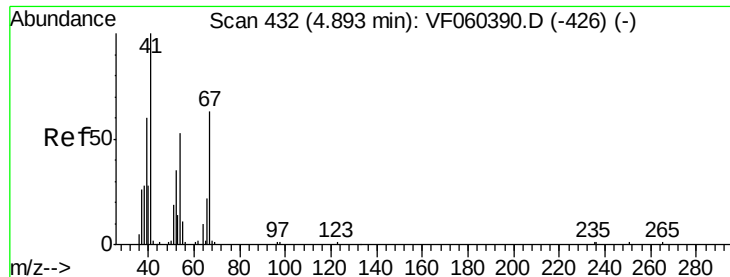
apatel
10/3/2018 1:15:58 PM



#40
Benzene
Concen: 54.329 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8





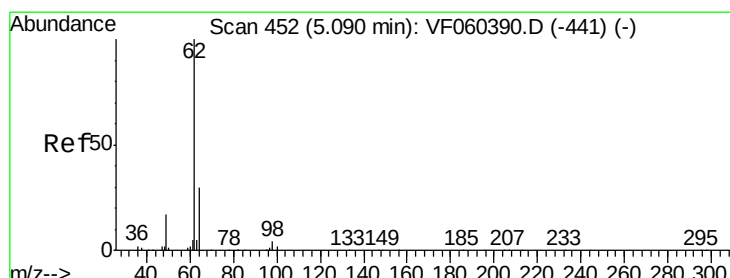
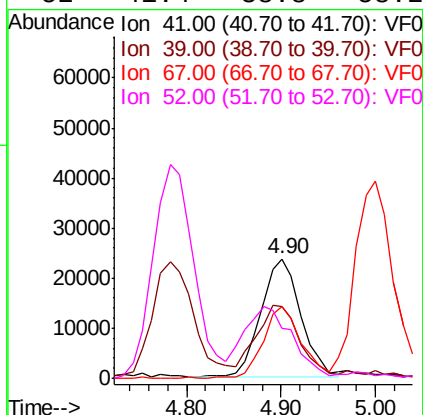
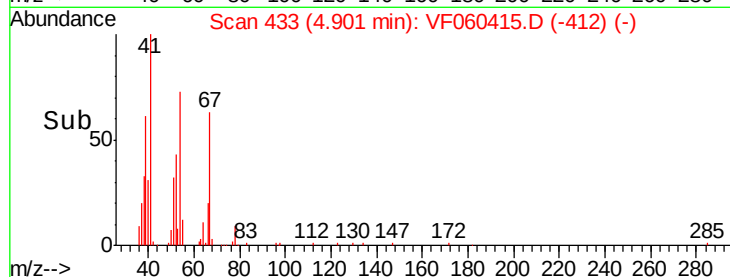
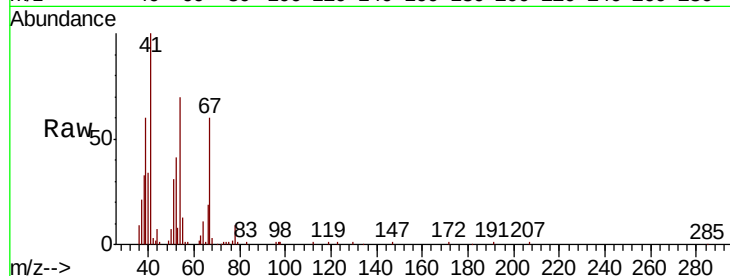
#41
Methacrylonitrile
Concen: 49.590 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.9	55.0	82.4	
67	60.4	49.6	74.4	
52	41.4	38.8	58.2	

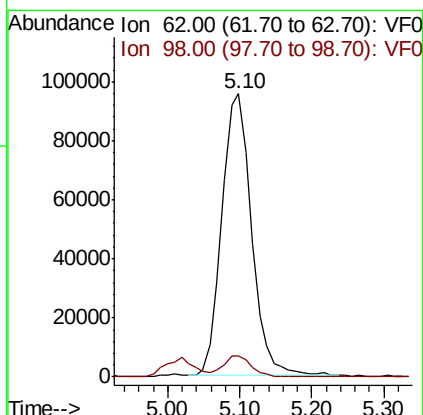
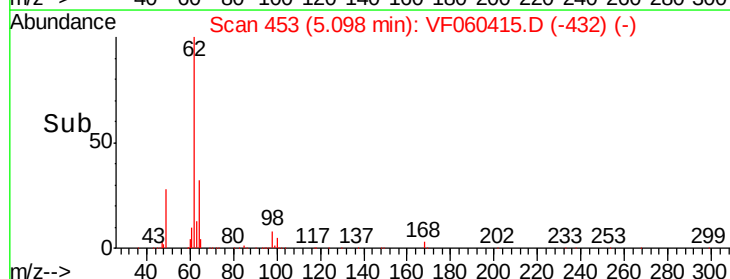
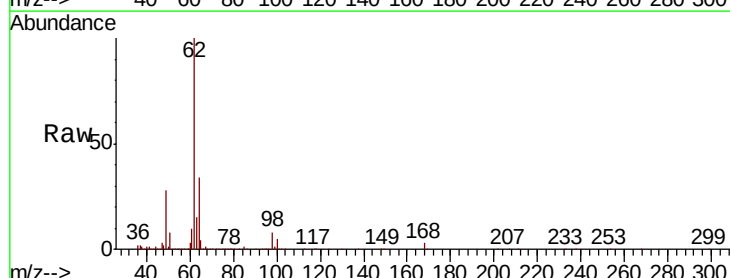
Manual Integrations
APPROVED

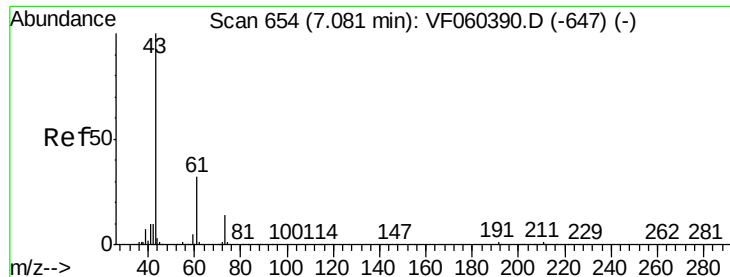
apatel
10/3/2018 1:15:58 PM



#42
1,2-Dichloroethane
Concen: 41.375 ug/l
RT: 5.10 min Scan# 453
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	0.0	11.2	





#43

Isopropyl Acetate

Concen: 55.950 ug/l

RT: 7.09 min Scan# 655

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

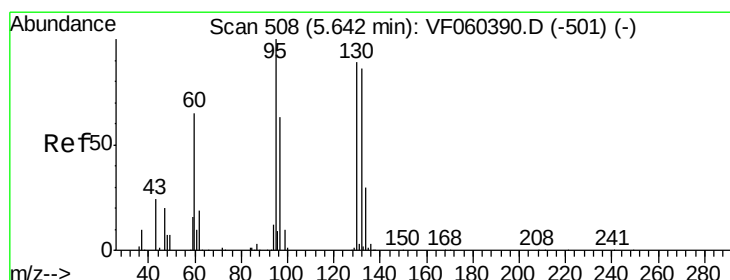
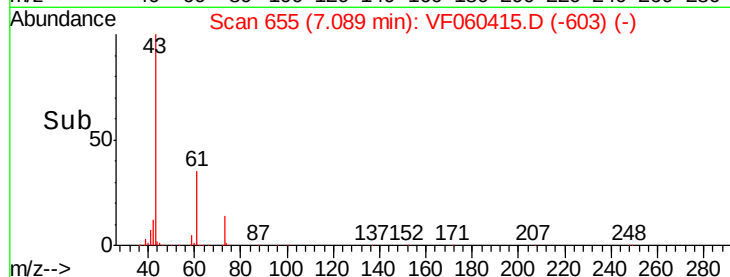
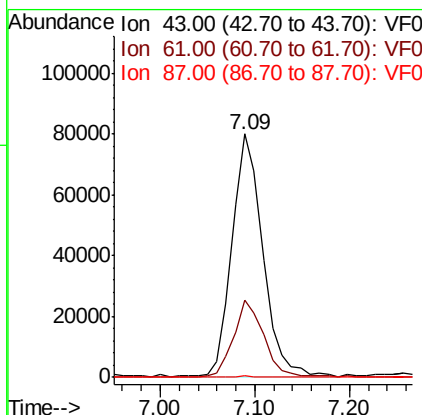
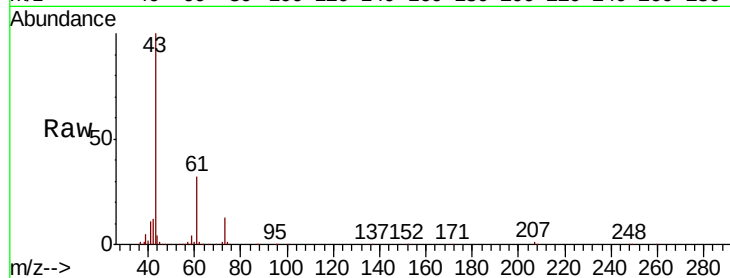
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	179934
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.4	38.2
87	0.5	0.3	0.5

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#44

Trichloroethene

Concen: 49.841 ug/l

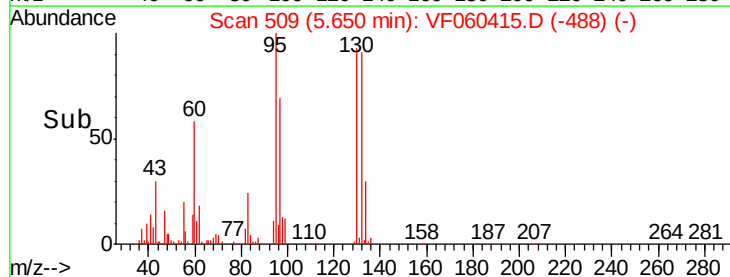
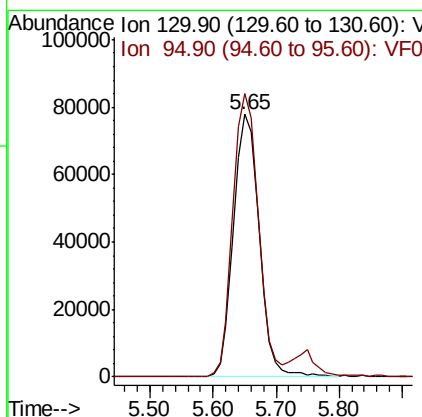
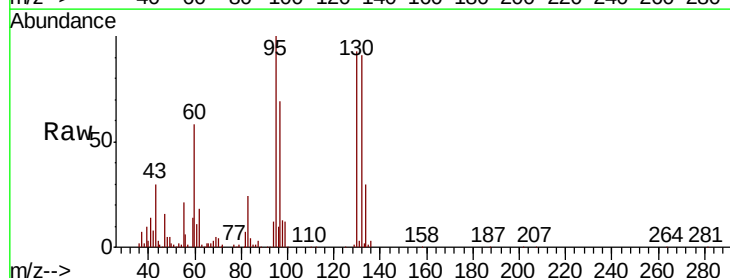
RT: 5.65 min Scan# 509

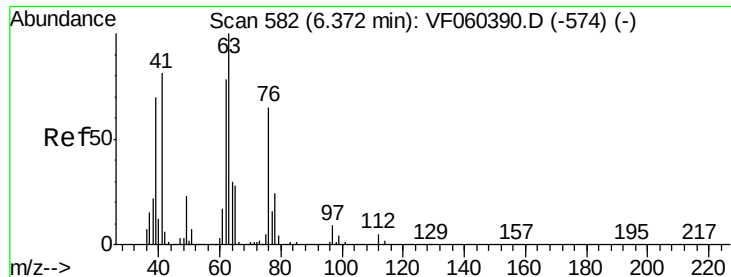
Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion:	130	Resp:	220626
Ion	Ratio	Lower	Upper
130	100		
95	107.9	0.0	224.4





#45

1,2-Dichloropropane

Concen: 53.420 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 196264

Ion Ratio Lower Upper

63 100

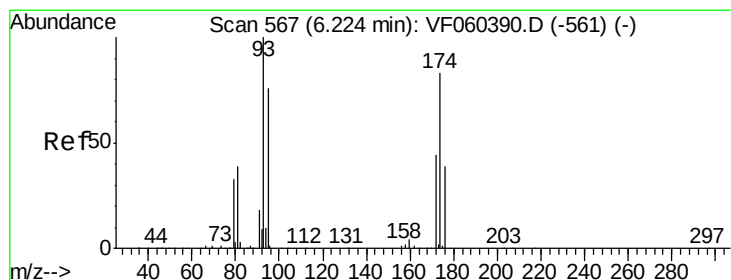
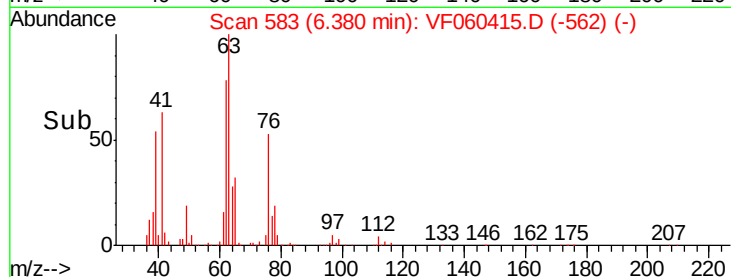
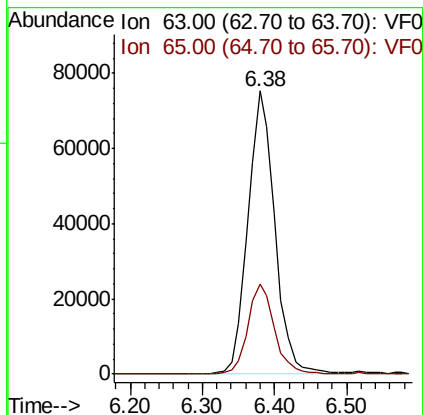
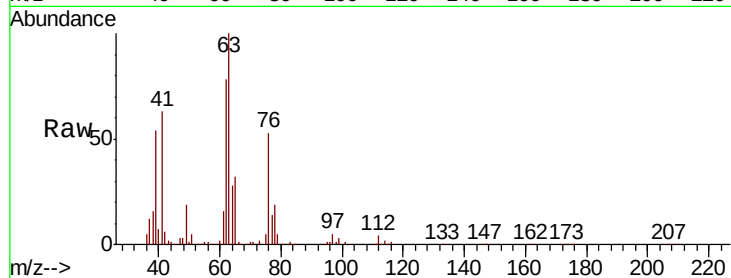
65 31.9 22.7 34.1

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



#46

Dibromomethane

Concen: 48.115 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

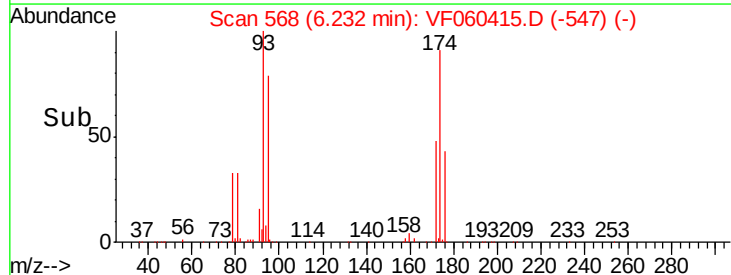
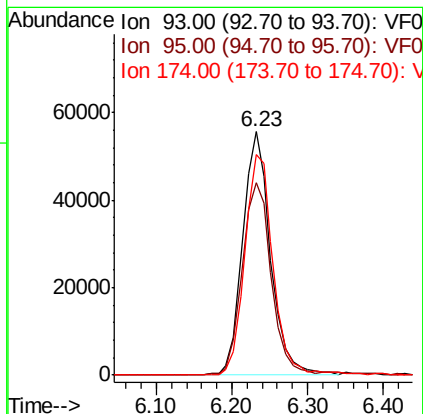
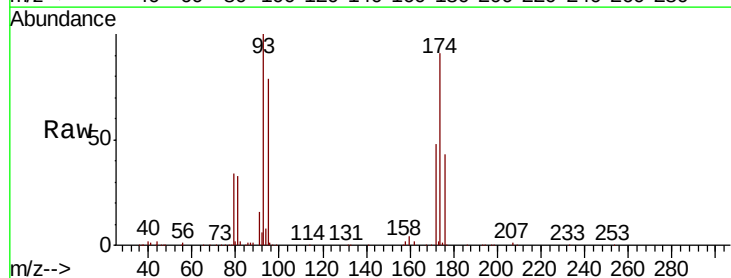
Tgt Ion: 93 Resp: 142127

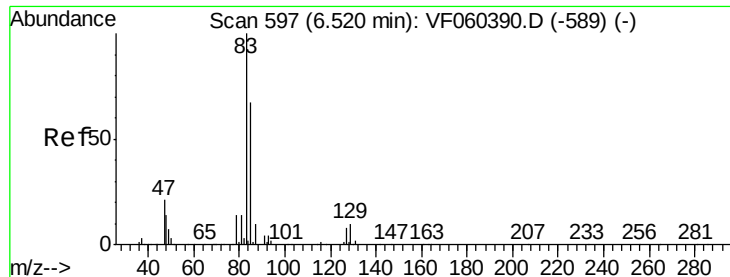
Ion Ratio Lower Upper

93 100

95 79.2 61.1 91.7

174 91.9 66.7 100.1





#47

Bromodichloromethane

Concen: 44.484 ug/l

RT: 6.53 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

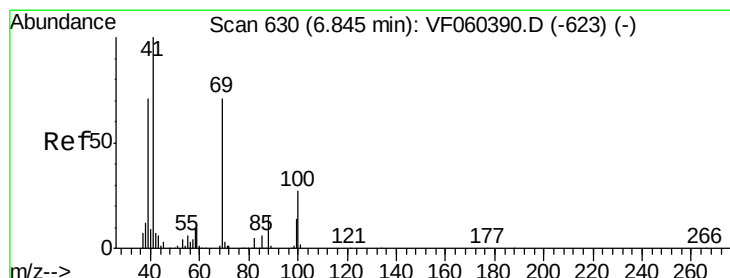
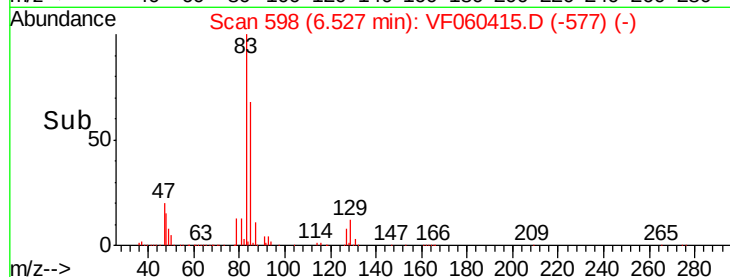
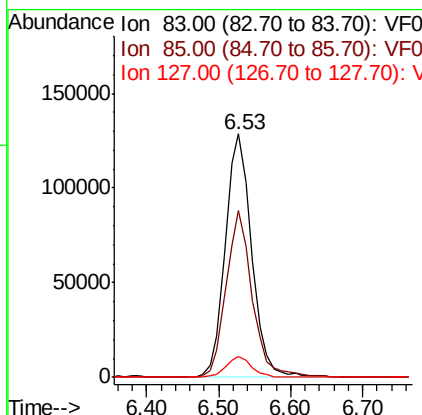
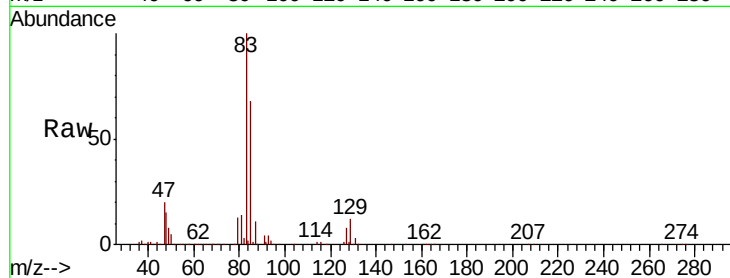
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	325432
Ion Ratio	Lower	Upper	
83	100		
85	68.4	53.2	79.8
127	8.3	6.6	9.8

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#48

Methyl methacrylate

Concen: 47.770 ug/l

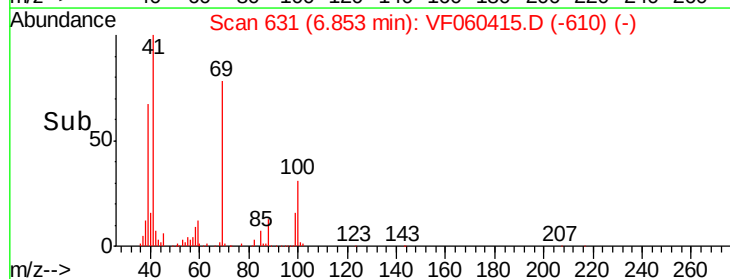
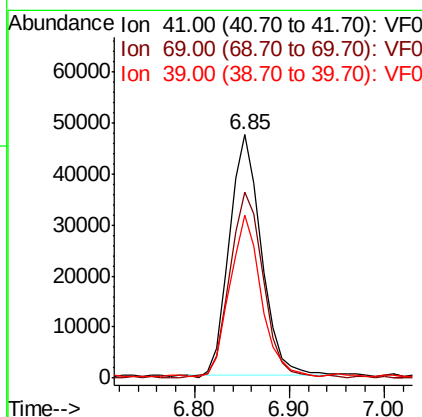
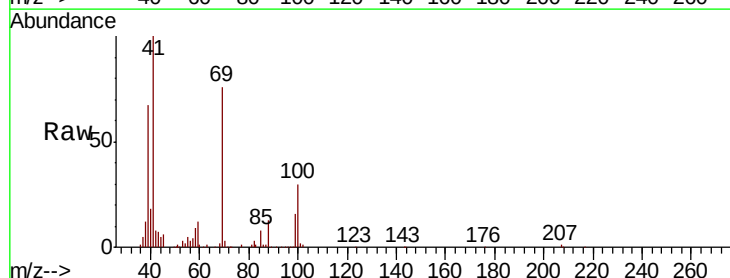
RT: 6.85 min Scan# 631

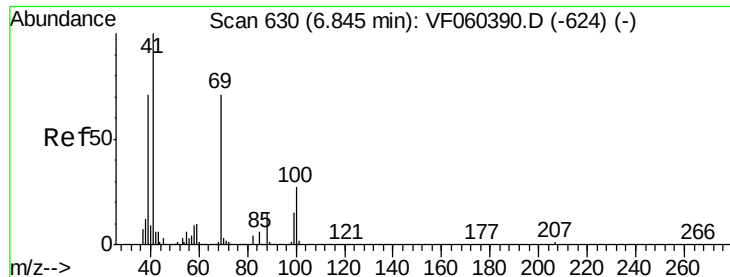
Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion:	41	Resp:	110278
Ion Ratio	Lower	Upper	
41	100		
69	76.3	56.3	84.5
39	67.1	56.9	85.3





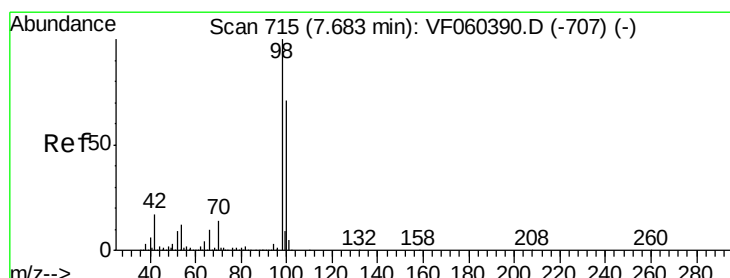
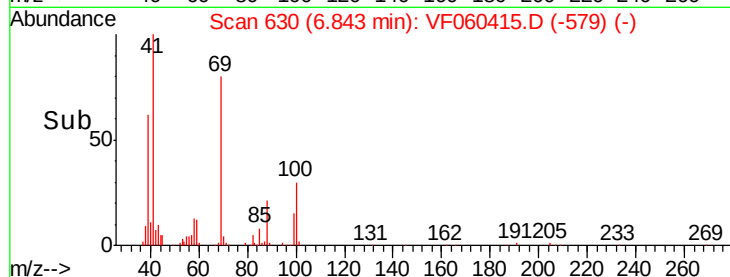
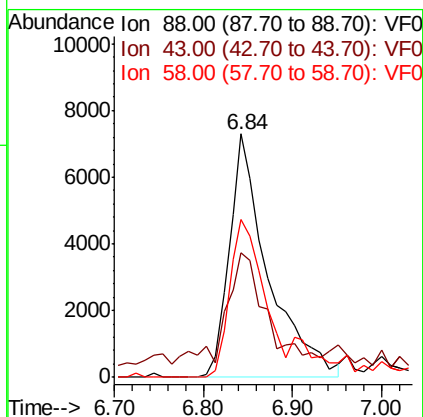
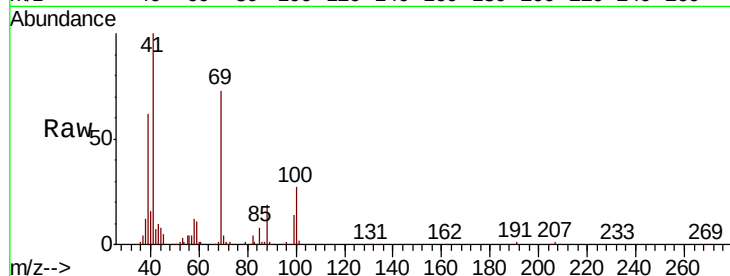
#49
1,4-Dioxane
Concen: 1112.201 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.9	38.3	57.5
58	64.8	47.4	71.2

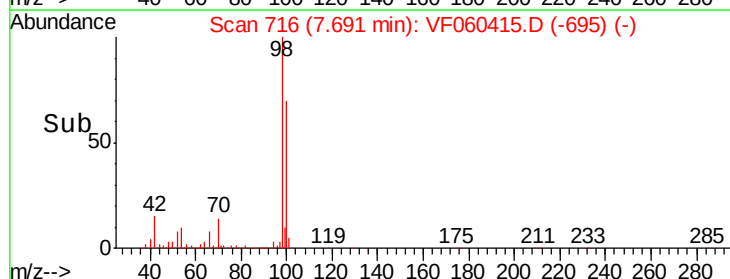
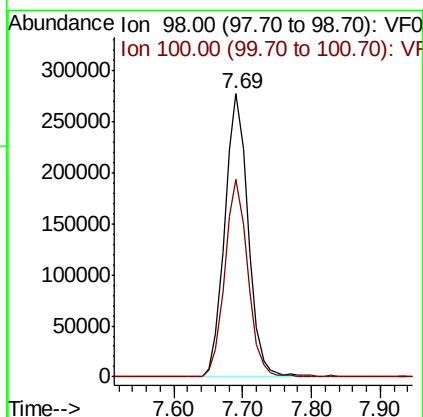
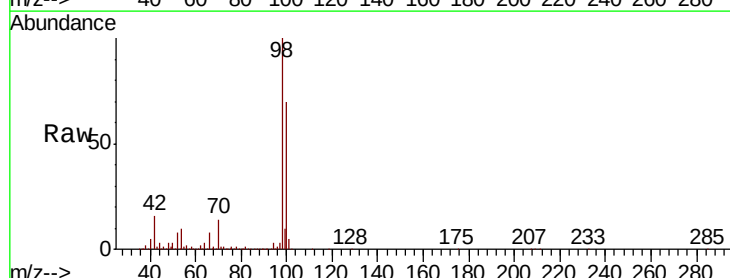
Manual Integrations
APPROVED

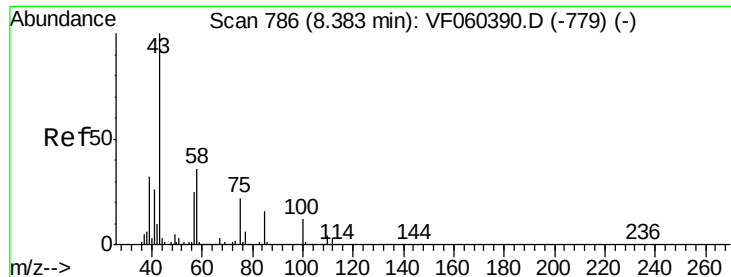
apatel
10/3/2018 1:15:58 PM



#50
Toluene-d8
Concen: 50.135 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.9	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 265.212 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 607143

Ion Ratio Lower Upper

43 100

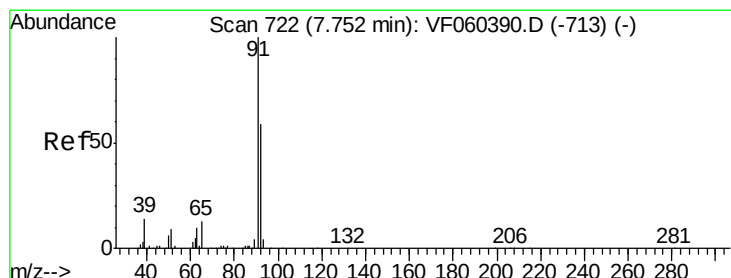
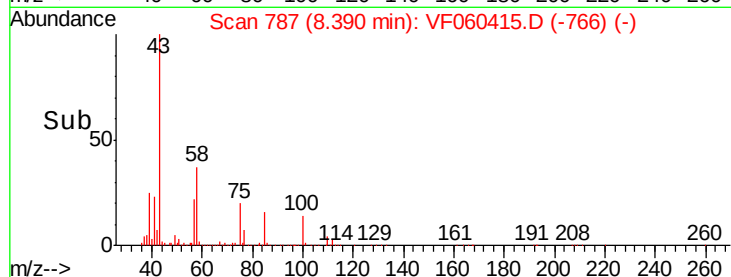
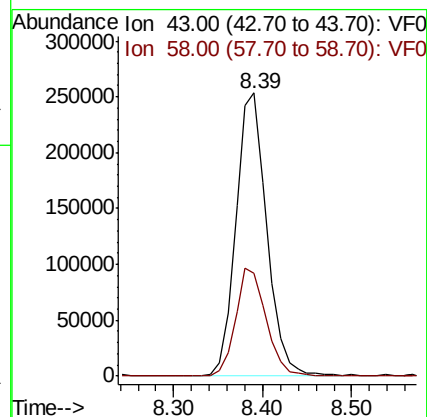
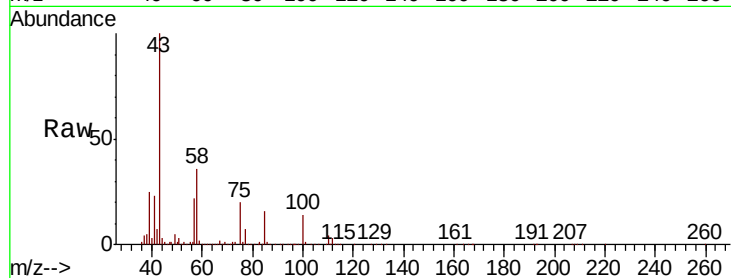
58 36.5 28.5 42.7

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



#52

Toluene

Concen: 51.791 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060415.D

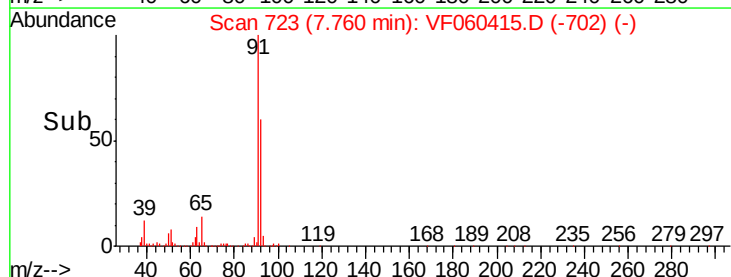
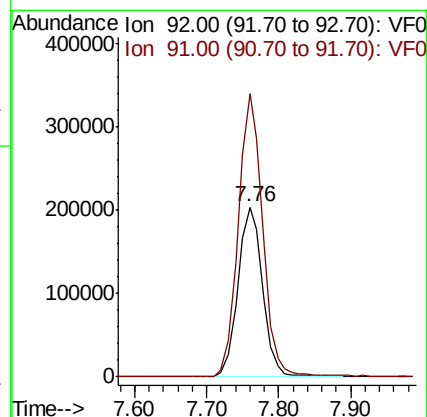
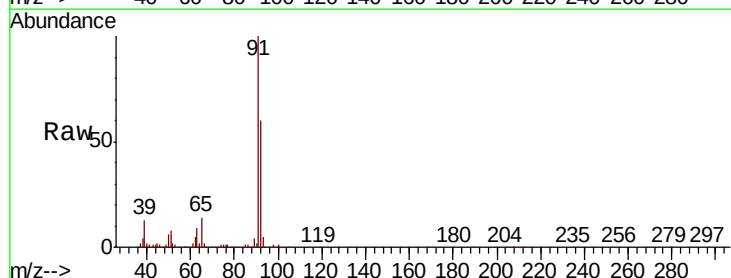
Acq: 2 Oct 2018 21:42

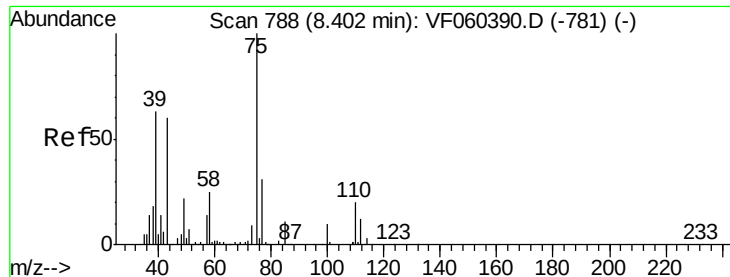
Tgt Ion: 92 Resp: 485306

Ion Ratio Lower Upper

92 100

91 166.7 135.4 203.0





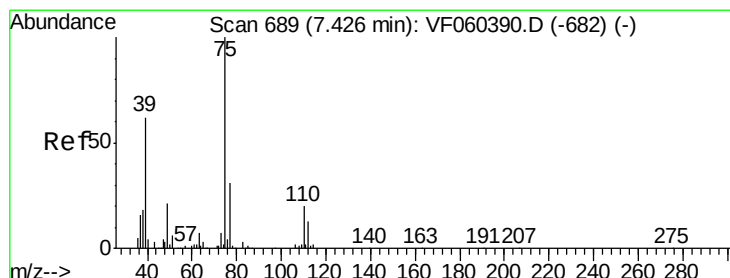
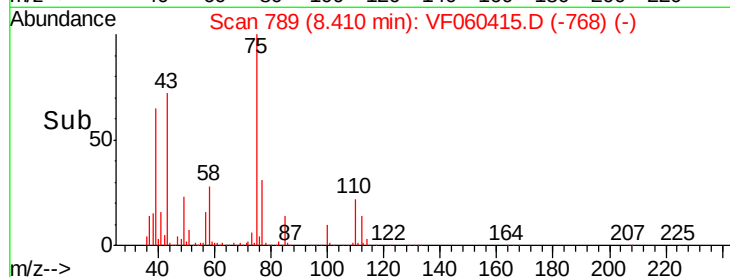
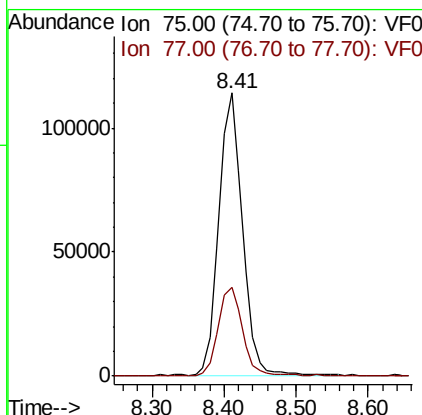
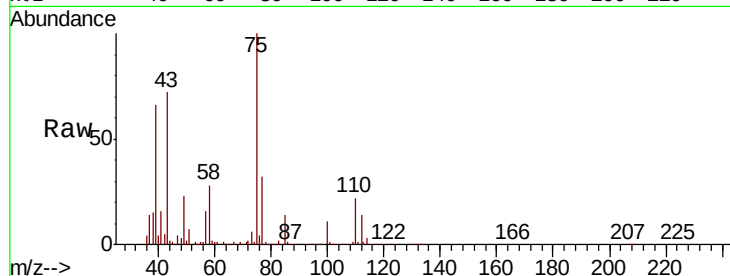
#53
 t-1,3-Dichloropropene
 Concen: 44.931 ug/l
 RT: 8.41 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 257601
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 36.8

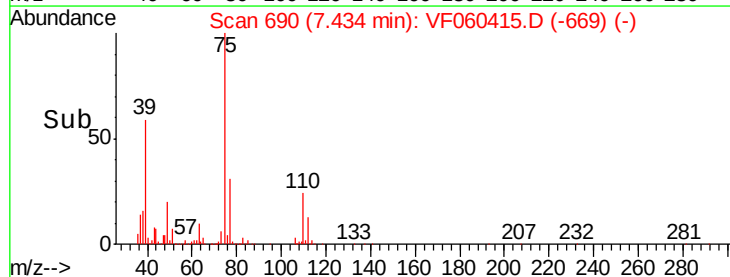
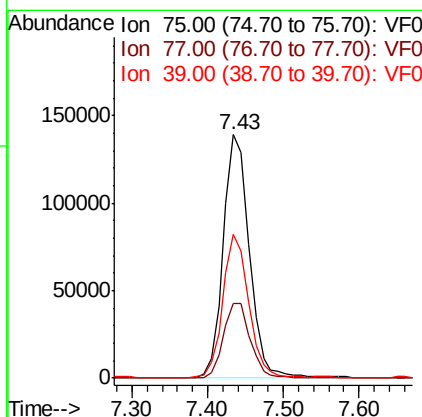
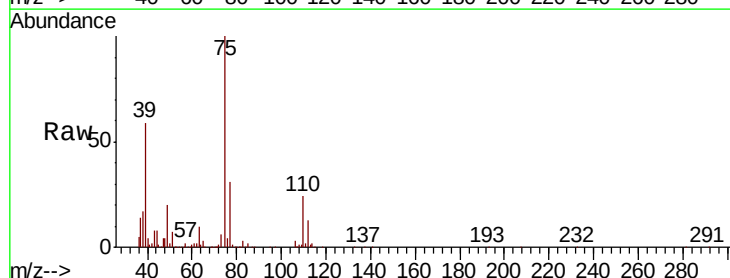
Manual Integrations
 APPROVED

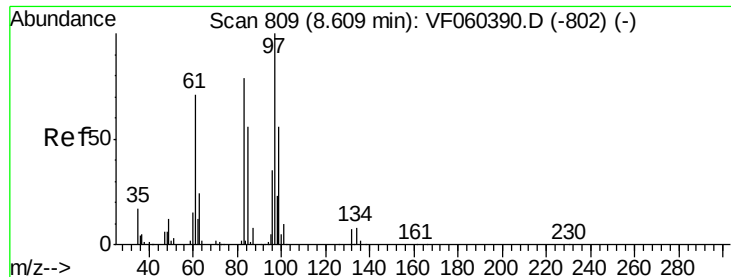
apatel
 10/3/2018 1:15:58 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.721 ug/l
 RT: 7.43 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion: 75 Resp: 333164
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8
 39 59.2 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 49.179 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

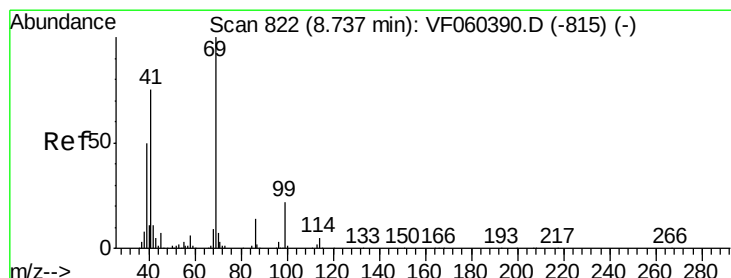
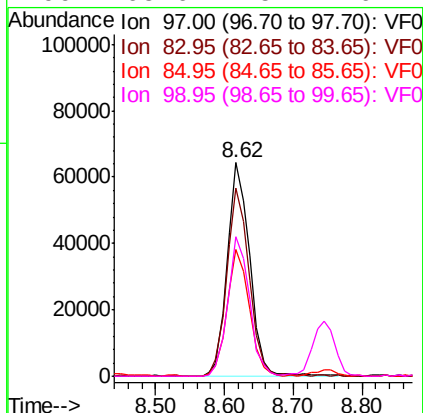
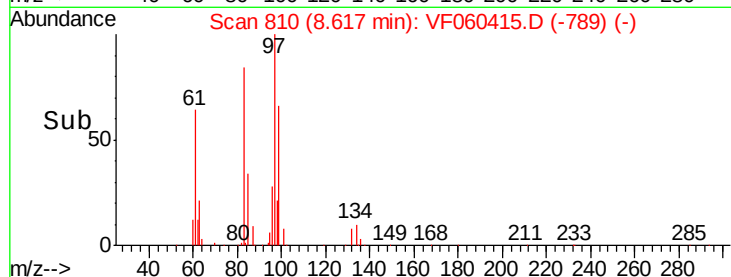
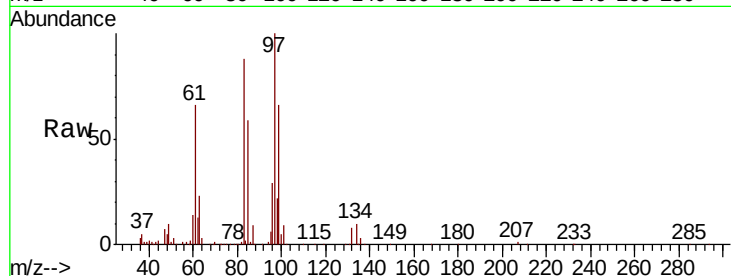
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146068		
83	88.2	63.4	95.0		
85	59.0	44.5	66.7		
99	65.6	45.1	67.7		

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#56

Ethyl methacrylate

Concen: 56.853 ug/l

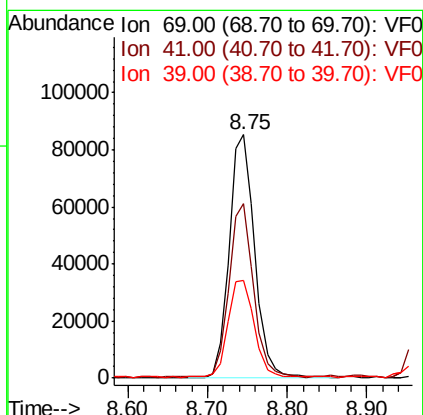
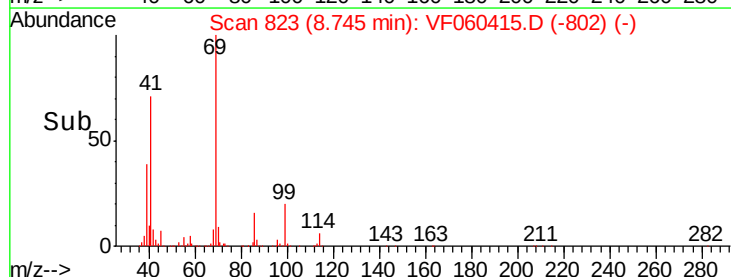
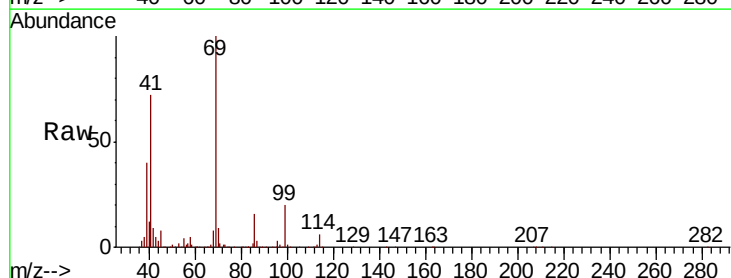
RT: 8.75 min Scan# 823

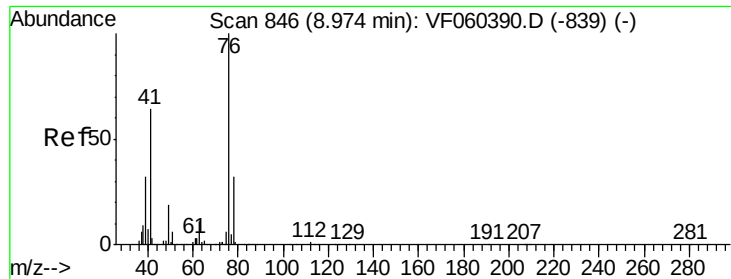
Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		191881		
41	71.5	60.2	90.4		
39	39.9	40.2	60.2#		





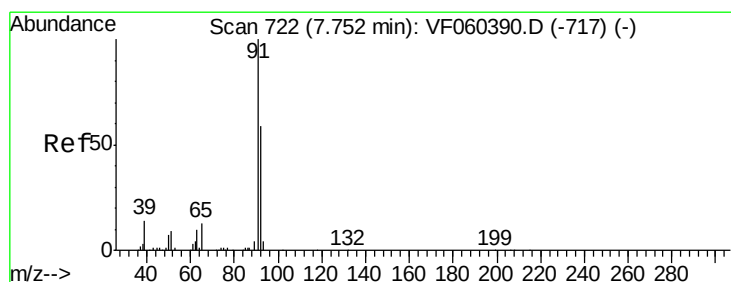
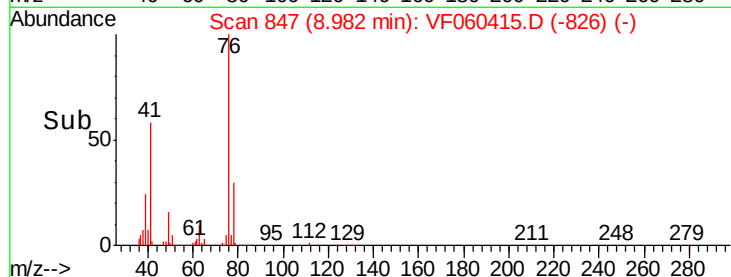
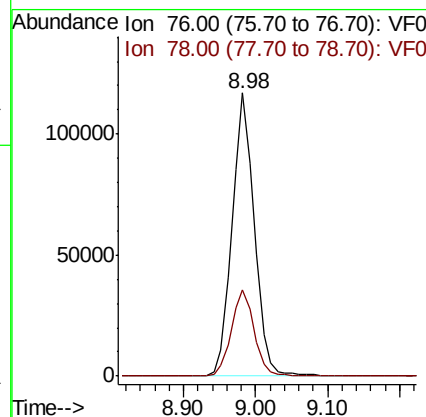
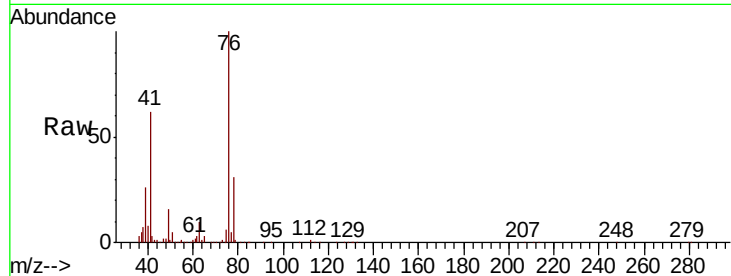
#57
 1,3-Dichloropropane
 Concen: 50.084 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.6	25.3	37.9

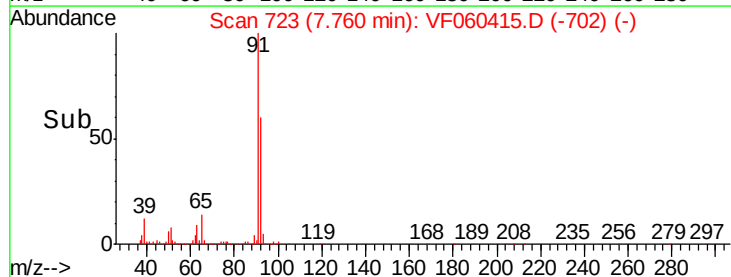
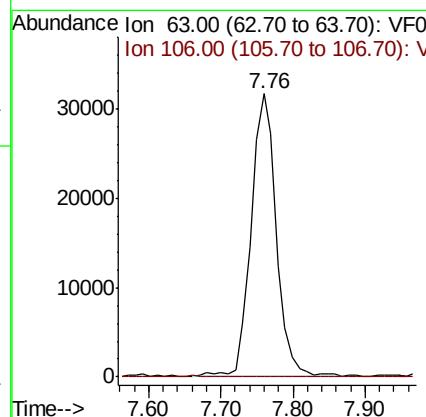
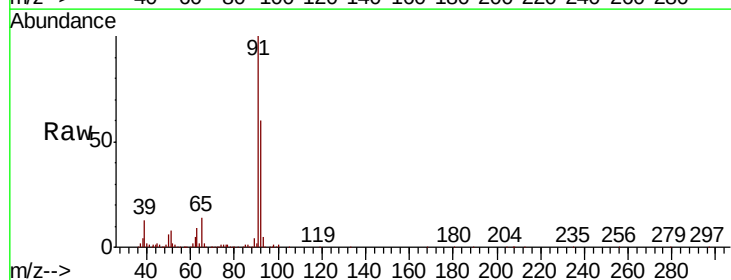
Manual Integrations
 APPROVED

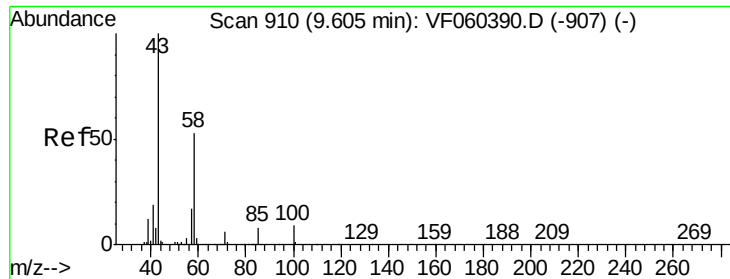
apatel
 10/3/2018 1:15:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.966 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





#59

2-Hexanone

Concen: 253.673 ug/l

RT: 9.61 min Scan# 911

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tot Ion: 43 Resp: 425956

Ion Ratio Lower Upper

43 100

58 56.3 25.6 76.6

Instrument :

MSVOA_F

ClientSampleId :

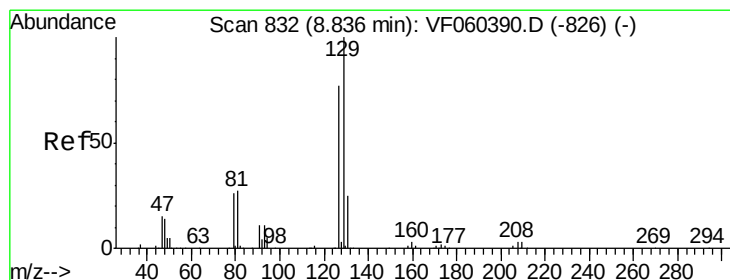
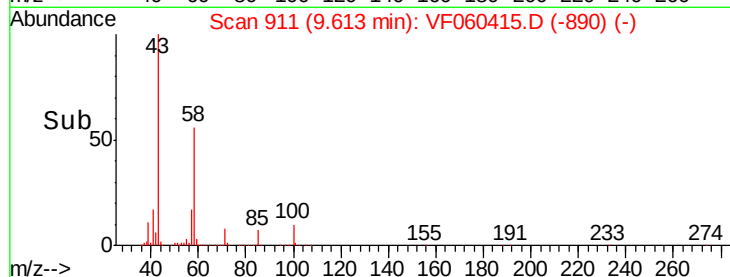
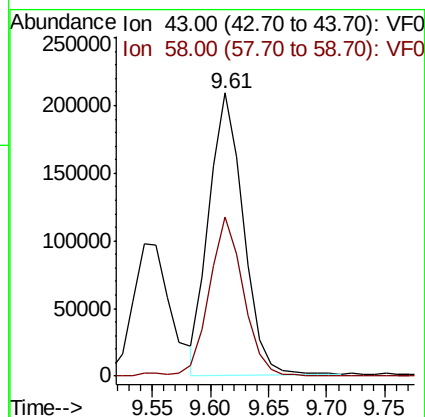
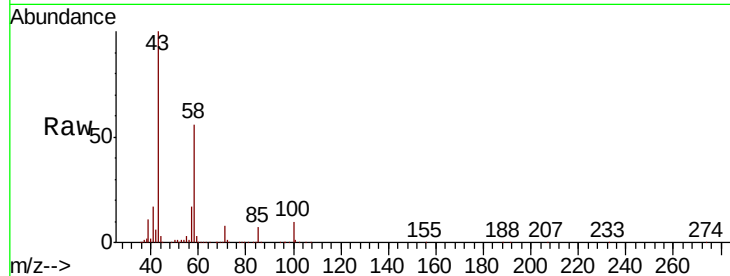
VSTDCCC050EC

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



#60

Dibromochloromethane

Concen: 46.973 ug/l

RT: 8.84 min Scan# 833

Delta R.T. 0.01 min

Lab File: VF060415.D

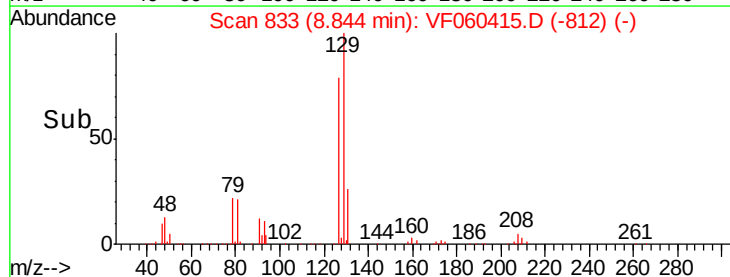
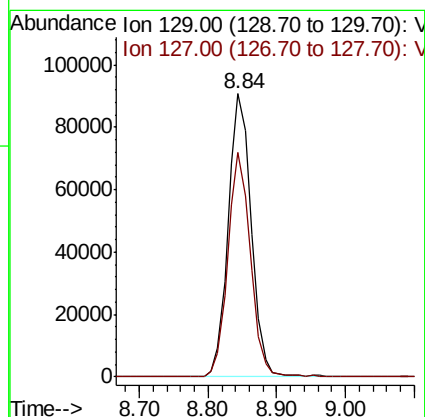
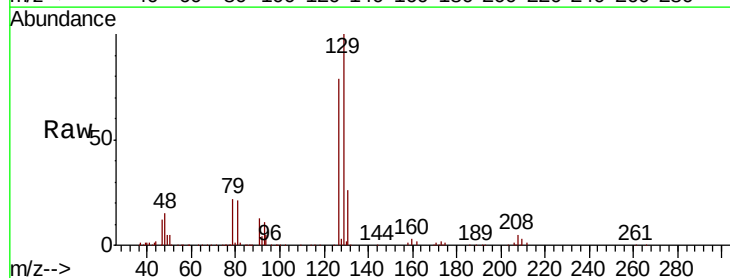
Acq: 2 Oct 2018 21:42

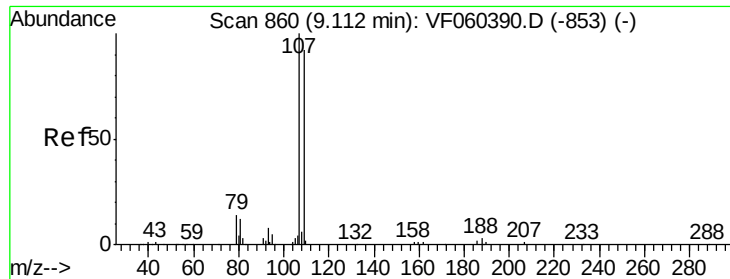
Tgt Ion: 129 Resp: 210065

Ion Ratio Lower Upper

129 100

127 79.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.152 ug/l

RT: 9.12 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 162994

Ion Ratio Lower Upper

107 100

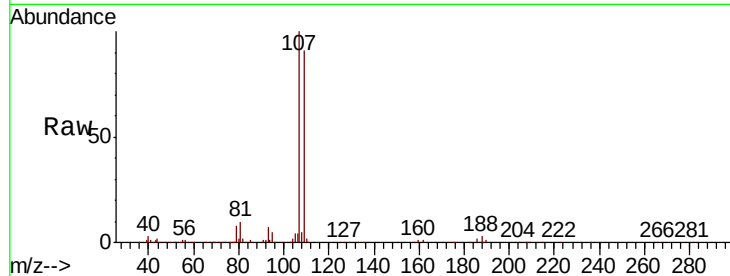
109 91.1 73.7 110.5

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

80000

60000

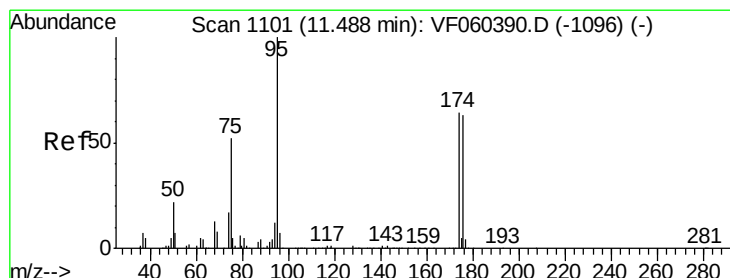
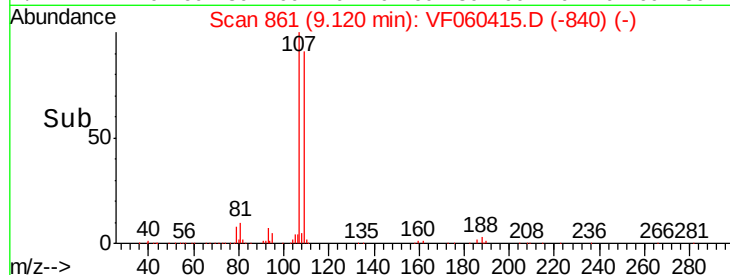
40000

20000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 45.529 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

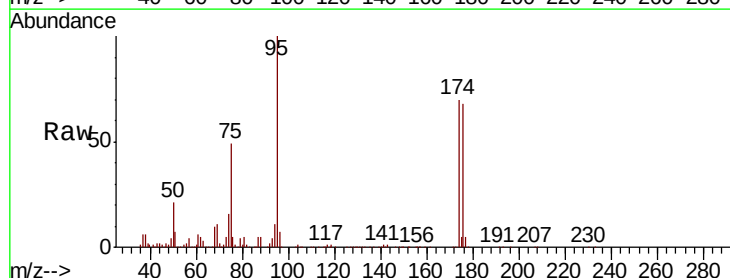
Tgt Ion: 95 Resp: 271095

Ion Ratio Lower Upper

95 100

174 69.7 0.0 129.0

176 67.5 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

200000

150000

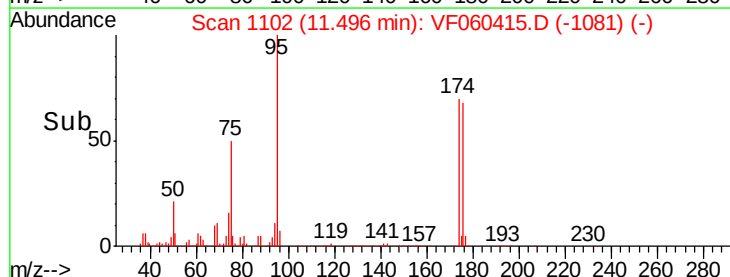
100000

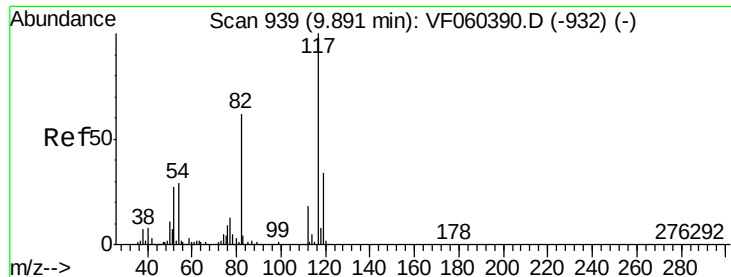
50000

0

11.40 11.50 11.60

Time-->





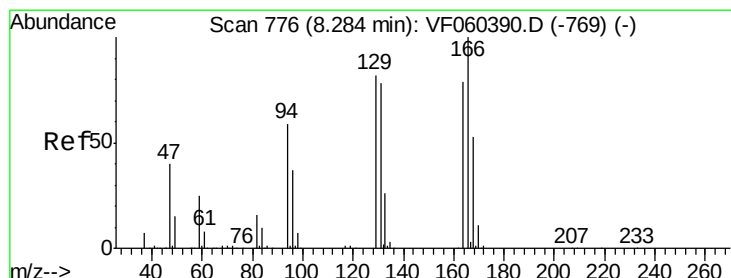
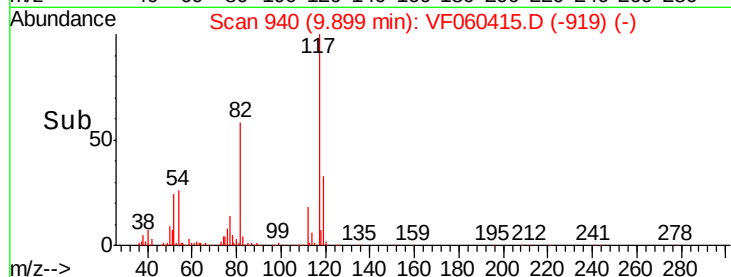
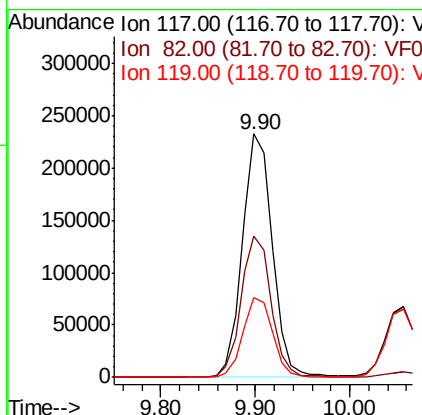
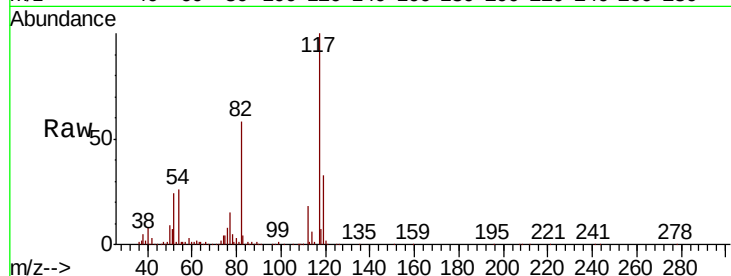
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	49.5	74.3
119	32.7	27.0	40.6

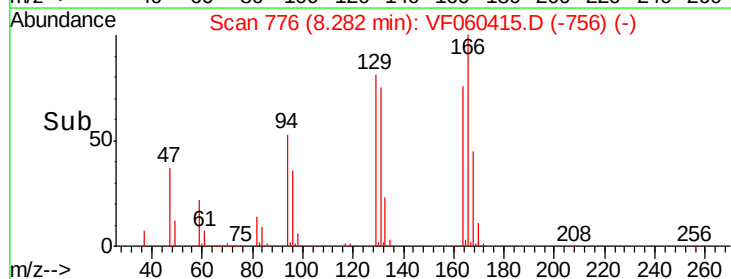
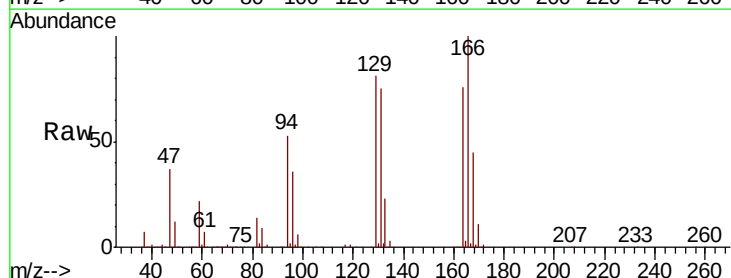
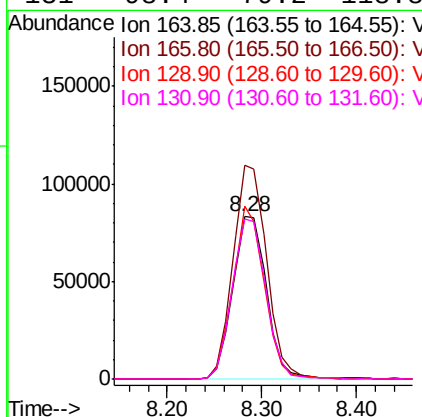
Manual Integrations
APPROVED

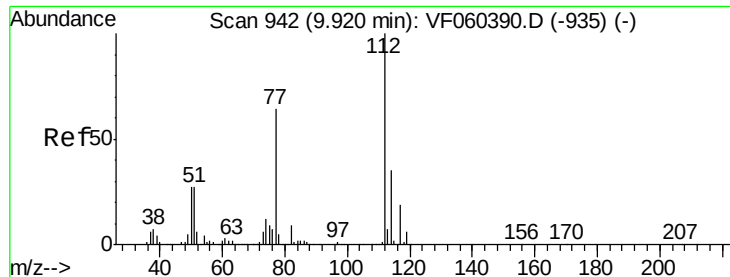
apatel
10/3/2018 1:15:58 PM



#64
Tetrachloroethene
Concen: 50.558 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	101.0	151.6
129	106.8	82.5	123.7
131	98.4	79.2	118.8





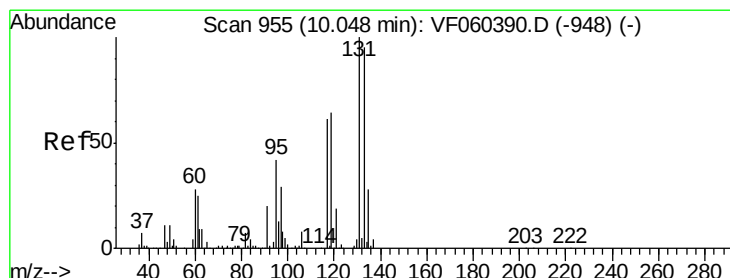
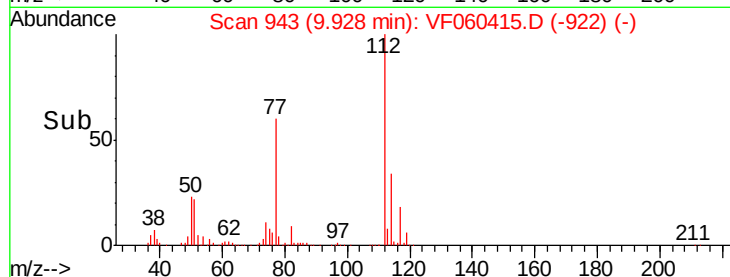
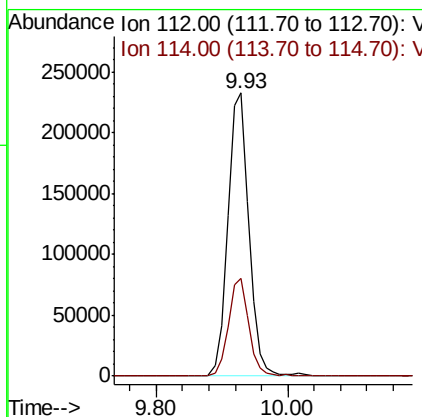
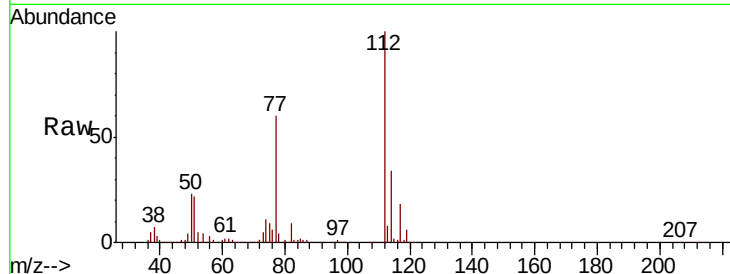
#65
Chlorobenzene
Concen: 49.681 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.5	27.7	41.5

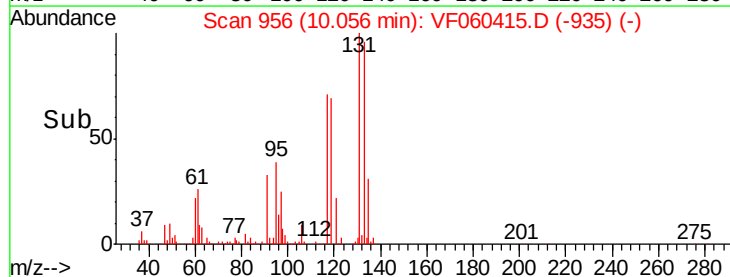
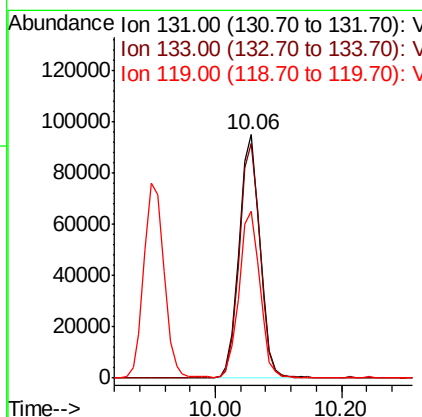
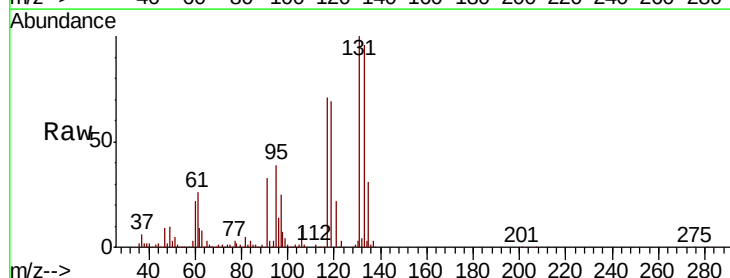
Manual Integrations
APPROVED

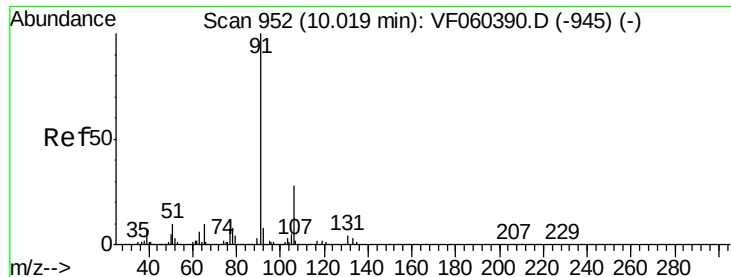
apatel
10/3/2018 1:15:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.875 ug/l
RT: 10.06 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.3	141.8
119	68.6	32.3	96.9





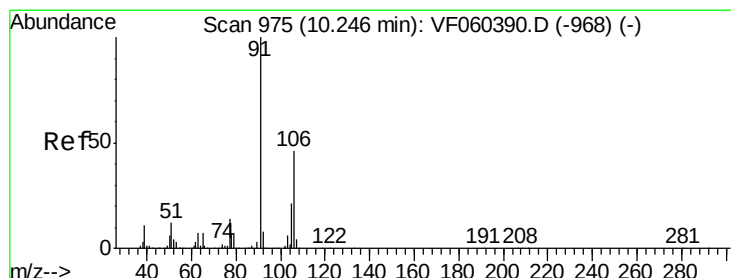
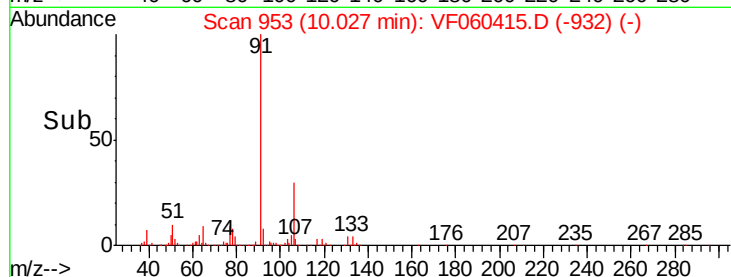
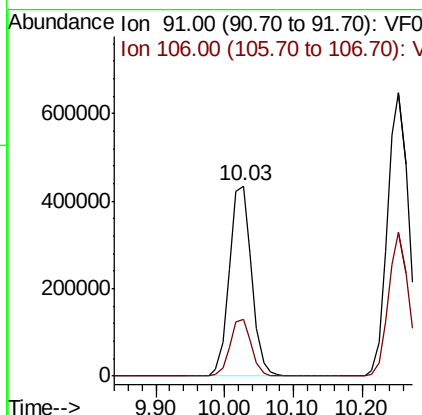
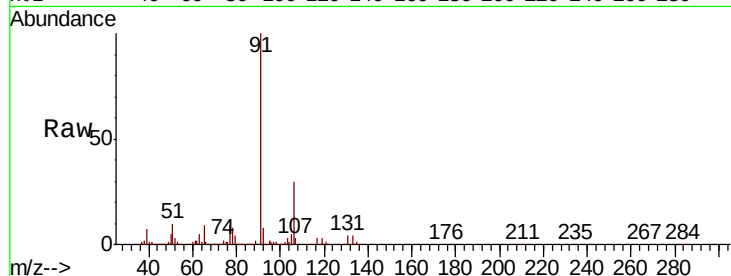
#67
Ethyl Benzene
Concen: 48.714 ug/l
RT: 10.03 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 972493
Ion Ratio Lower Upper
91 100
106 29.6 22.5 33.7

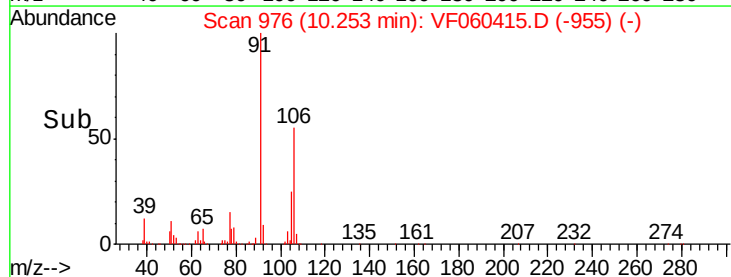
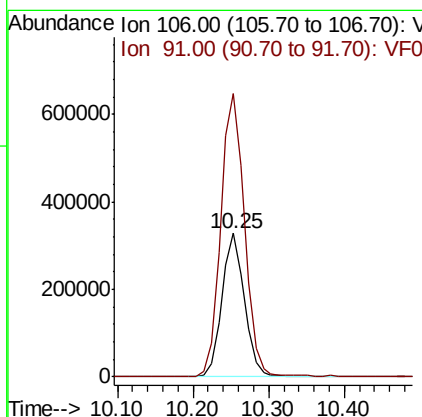
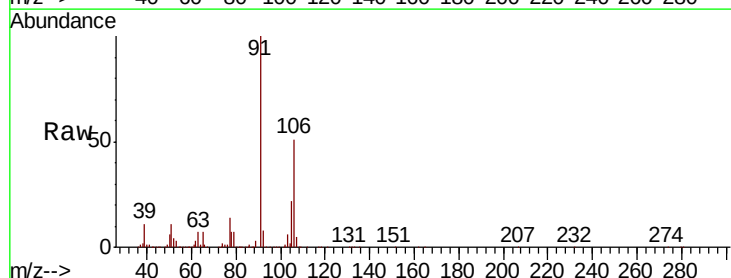
Manual Integrations
APPROVED

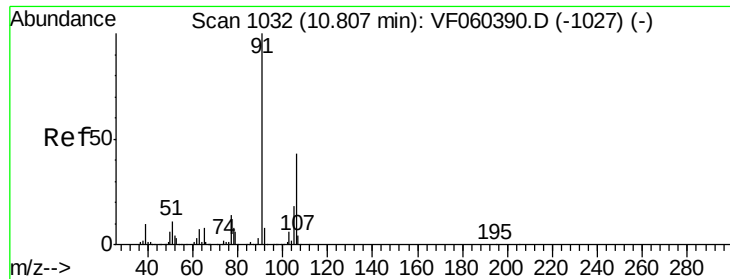
apatel
10/3/2018 1:15:58 PM



#68
m/p-Xylenes
Concen: 98.338 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 106 Resp: 674865
Ion Ratio Lower Upper
106 100
91 196.9 175.0 262.6





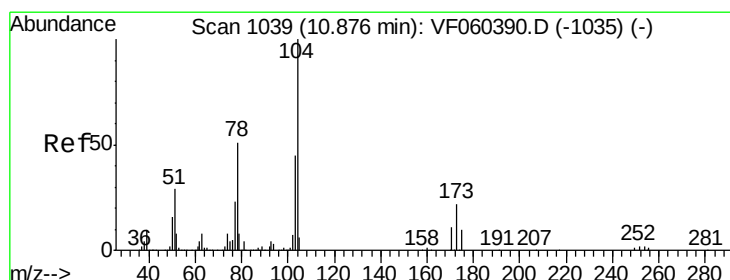
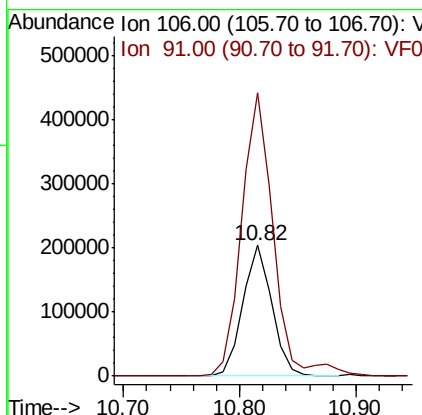
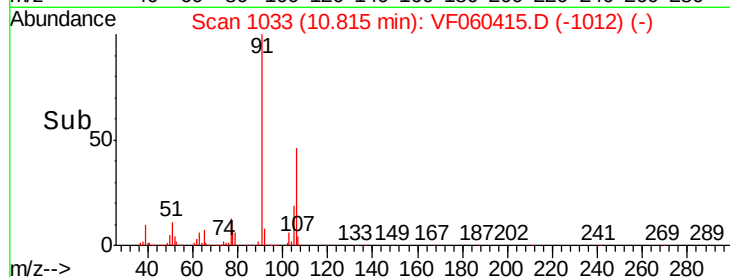
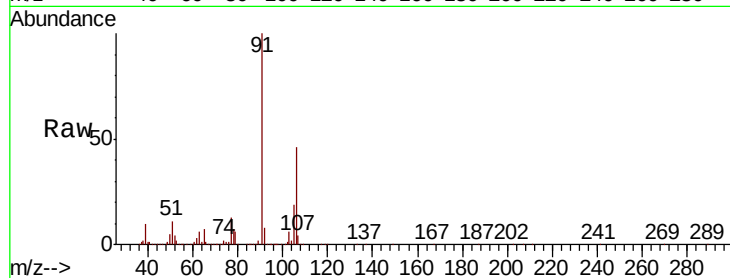
#69
o-Xylene
Concen: 47.533 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.3	115.1	345.2

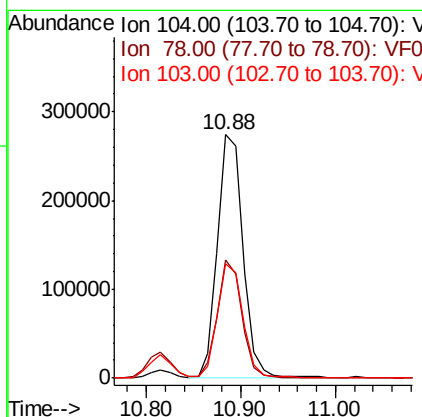
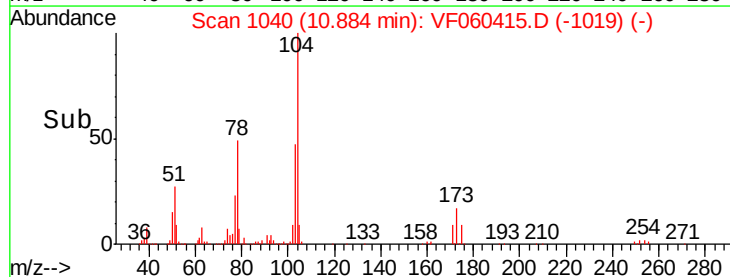
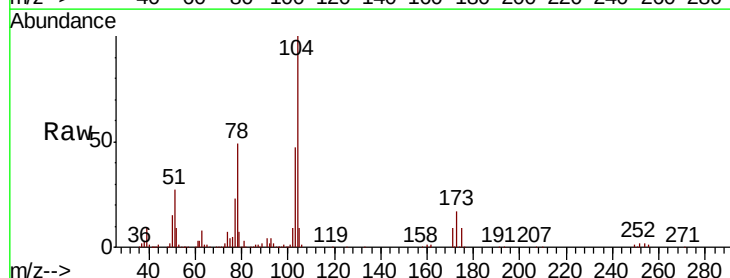
Manual Integrations
APPROVED

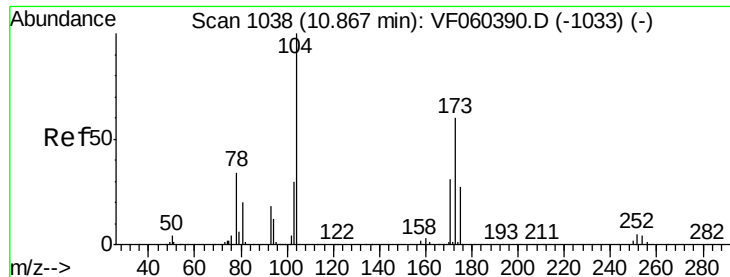
apatel
10/3/2018 1:15:58 PM



#70
Styrene
Concen: 48.384 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	41.0	61.4
103	46.9	36.4	54.6





#71

Bromoform

Concen: 46.960 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

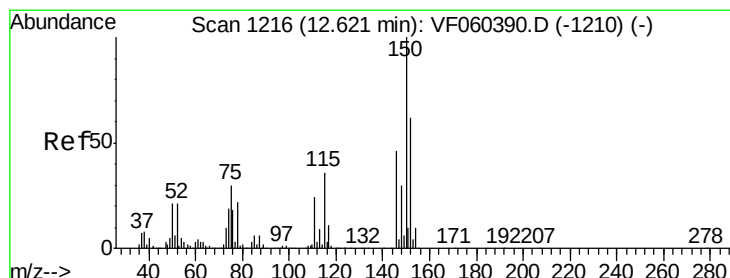
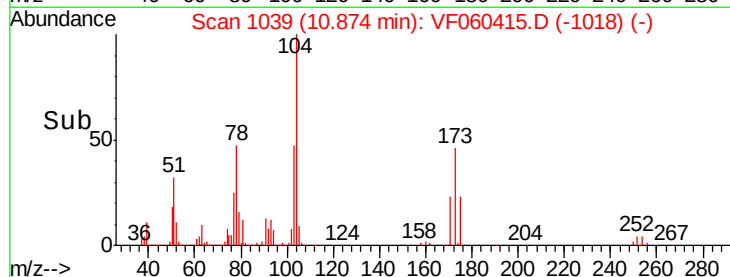
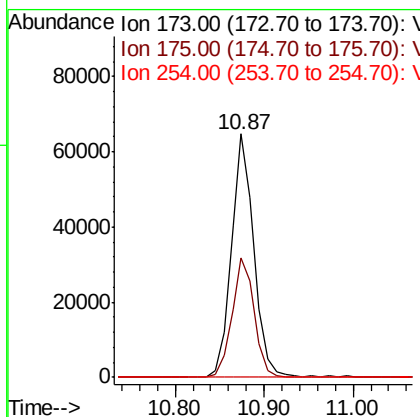
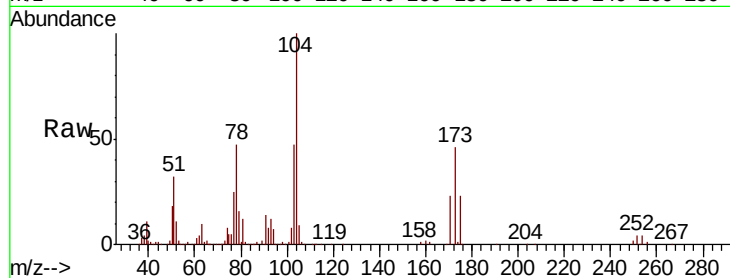
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	22.1	66.1
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

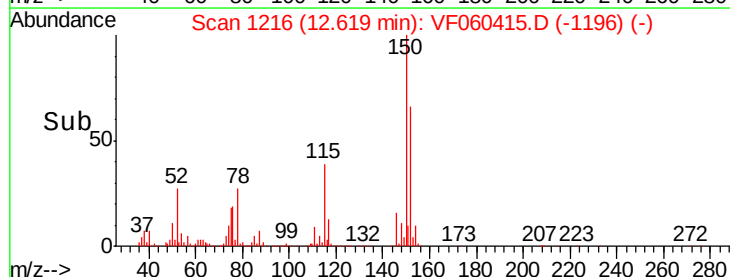
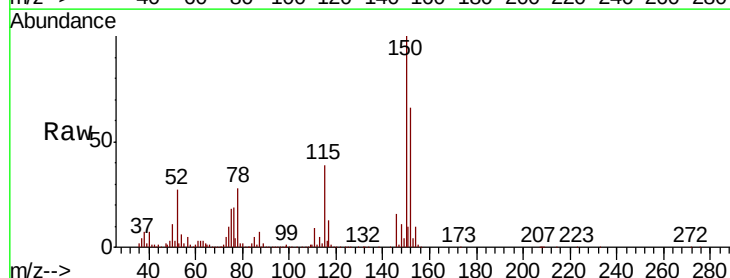
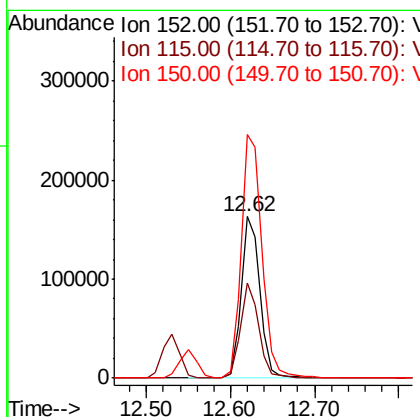
RT: 12.62 min Scan# 1216

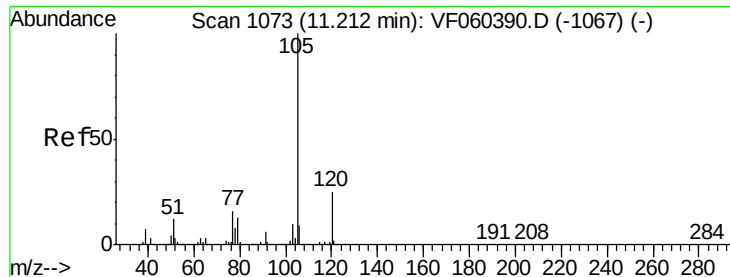
Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.6	85.8
150	151.1	0.0	324.6





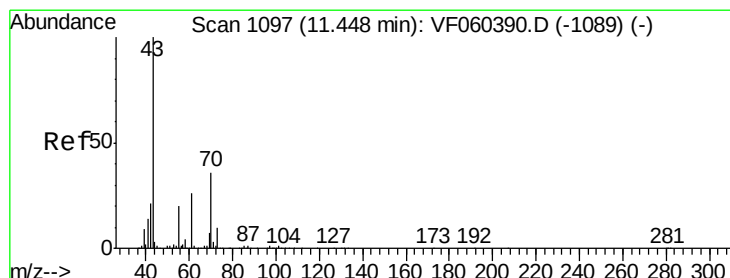
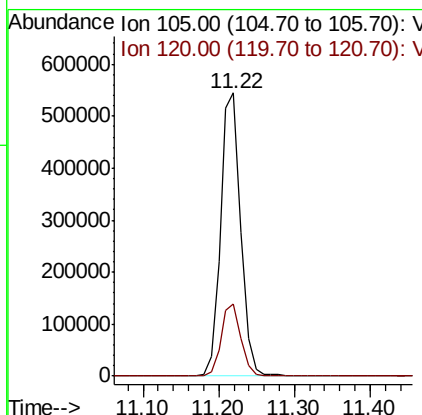
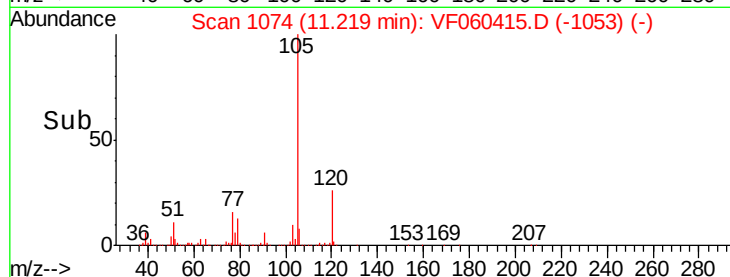
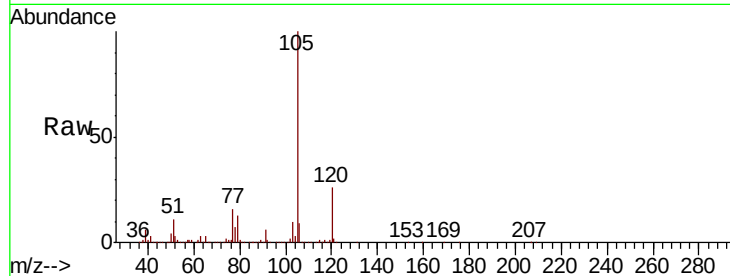
#73
Isopropylbenzene
Concen: 50.678 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1004698
Ion Ratio Lower Upper
105 100
120 25.6 12.3 36.9

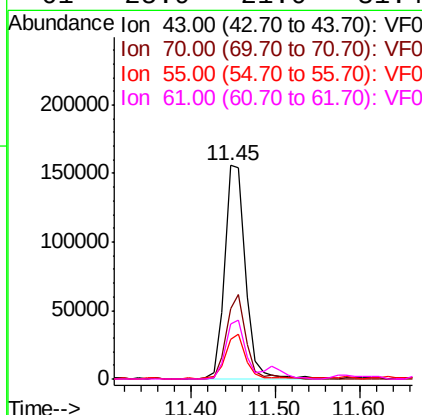
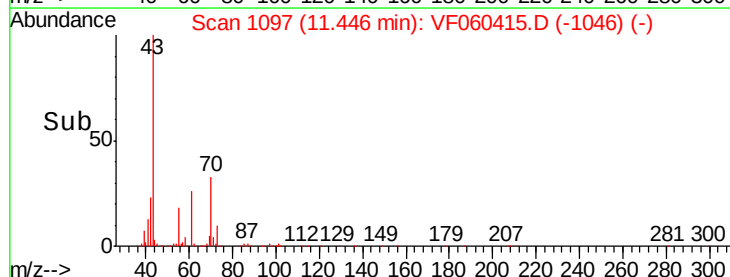
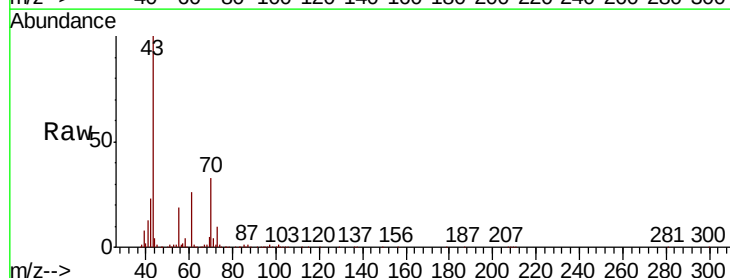
Manual Integrations
APPROVED

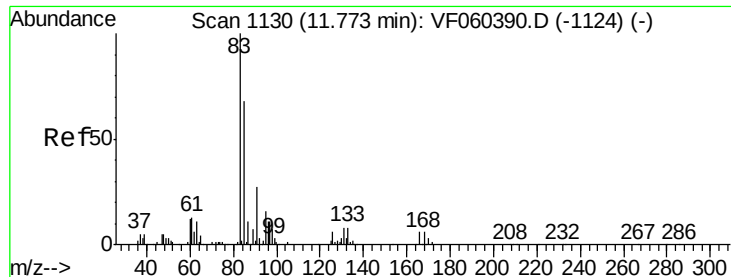
apatel
10/3/2018 1:15:58 PM



#74
N-ethyl acetate
Concen: 58.517 ug/l
RT: 11.45 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion: 43 Resp: 266252
Ion Ratio Lower Upper
43 100
70 32.8 29.1 43.7
55 18.5 16.3 24.5
61 25.9 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.868 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

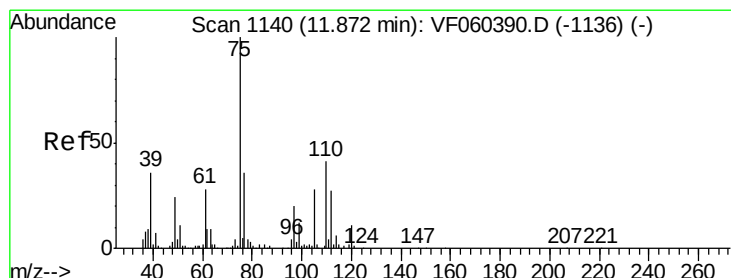
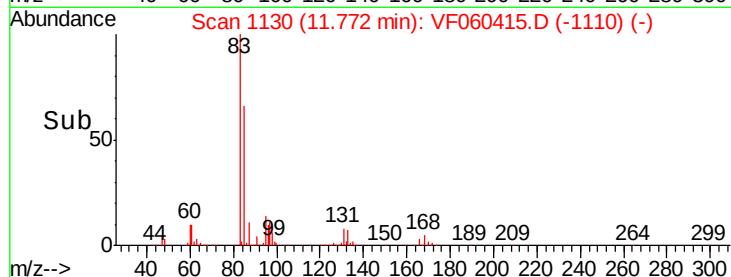
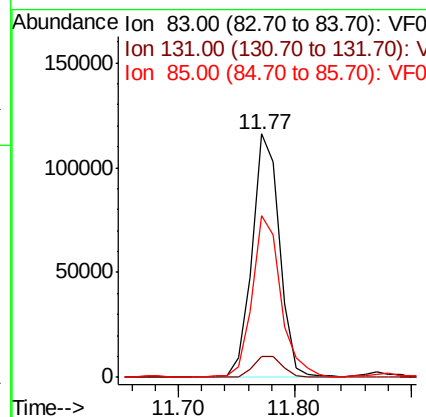
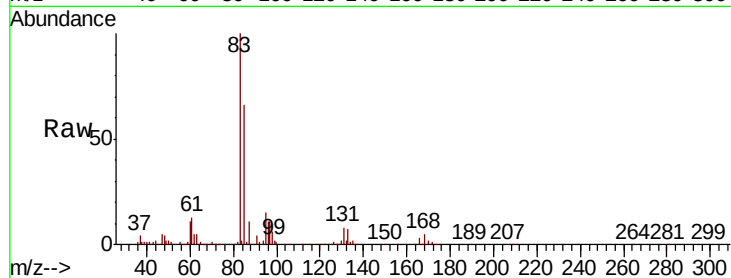
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	187473
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.0	12.0
85	66.3	34.0	102.0

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#76

1,2,3-Trichloropropane

Concen: 47.103 ug/l

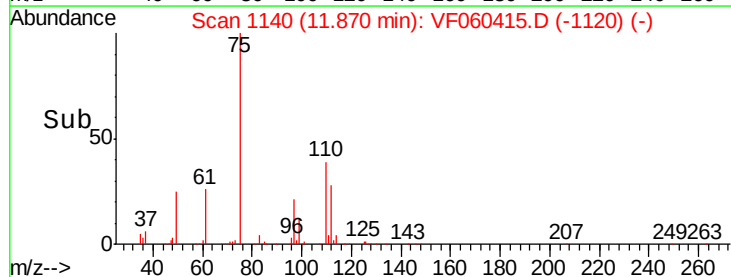
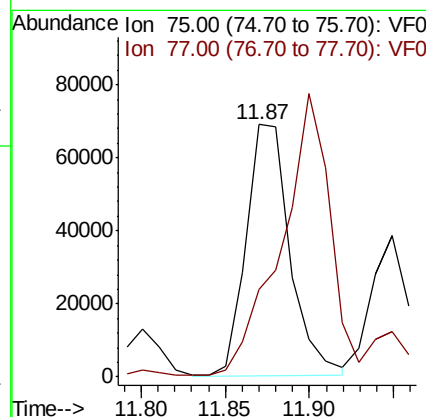
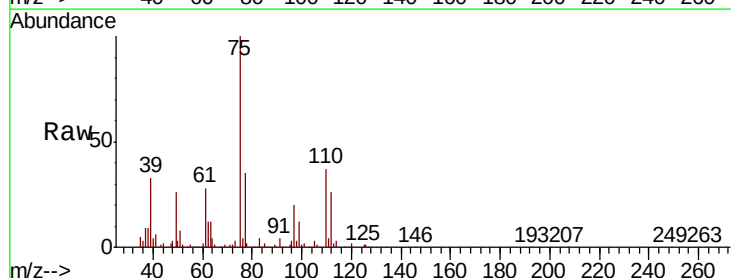
RT: 11.87 min Scan# 1140

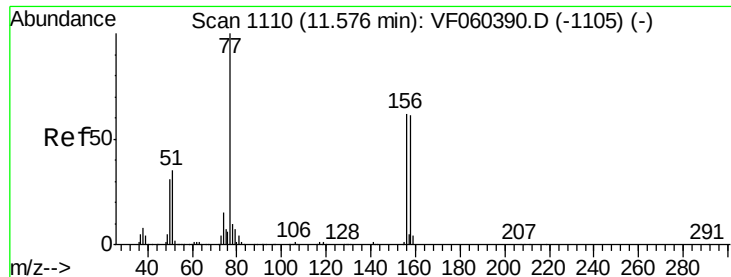
Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion:	75	Resp:	125336
Ion Ratio	Lower	Upper	
75	100		
77	34.8	18.1	54.4





#77

Bromobenzene

Concen: 50.897 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

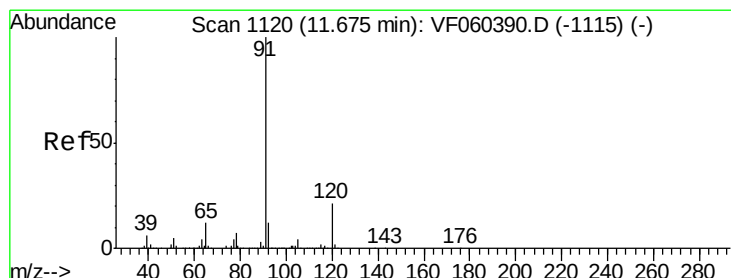
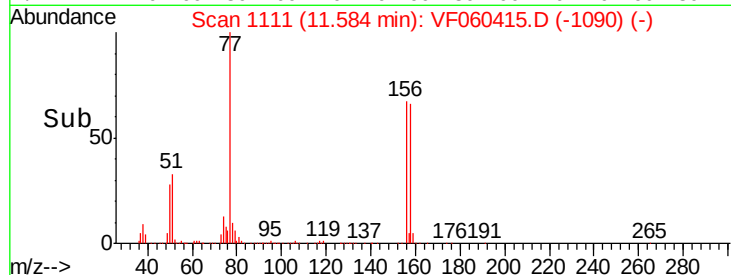
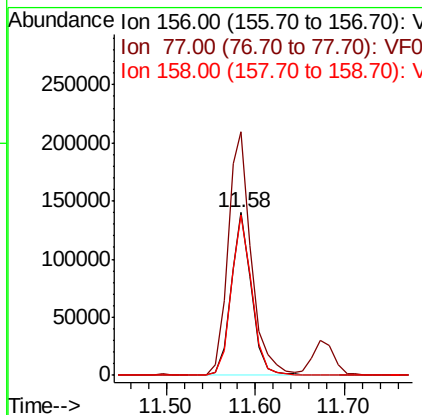
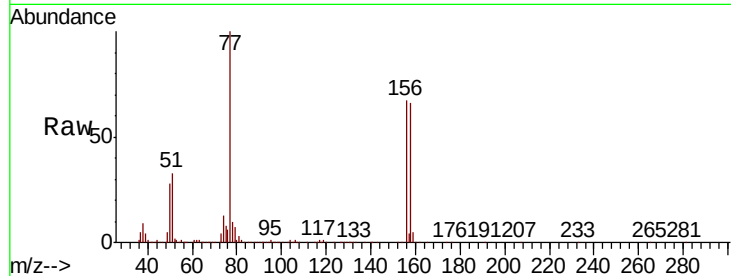
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.6	81.3	243.9
158	98.4	49.6	149.0

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#78

n-propylbenzene

Concen: 49.616 ug/l

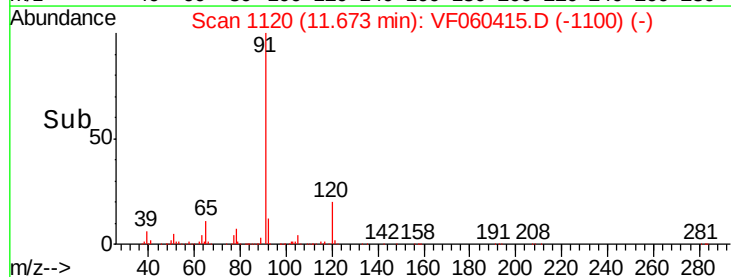
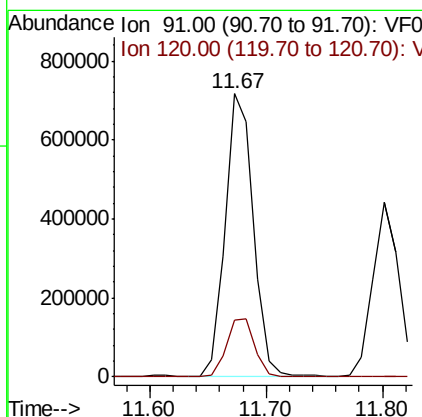
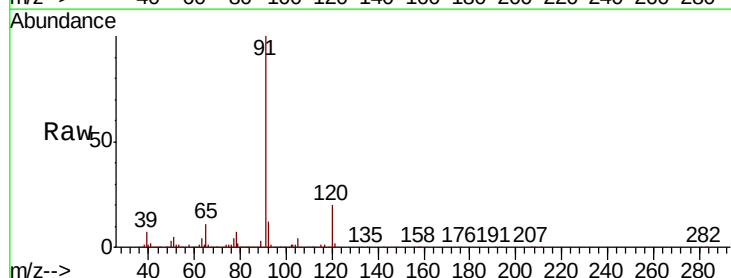
RT: 11.67 min Scan# 1120

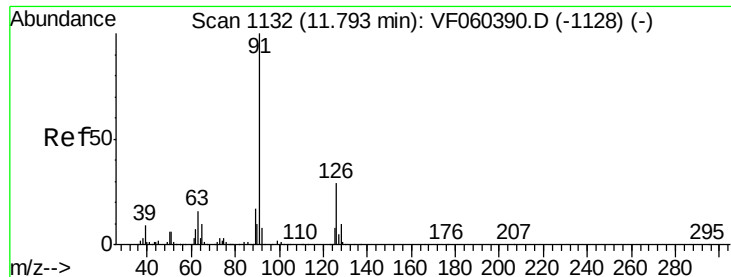
Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.5	31.6





#79

2-Chlorotoluene

Concen: 48.567 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 682795

Ion Ratio Lower Upper

91 100

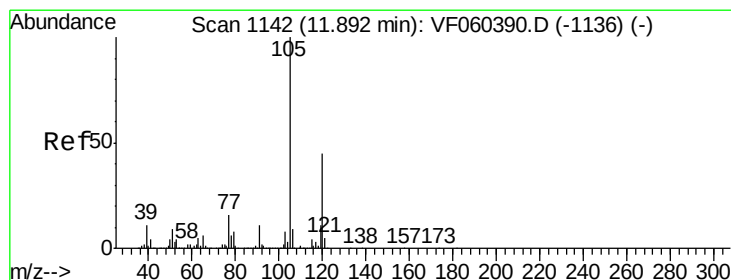
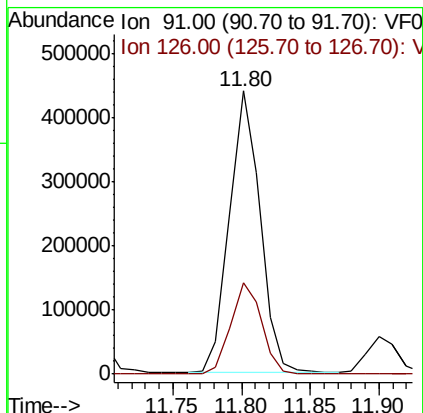
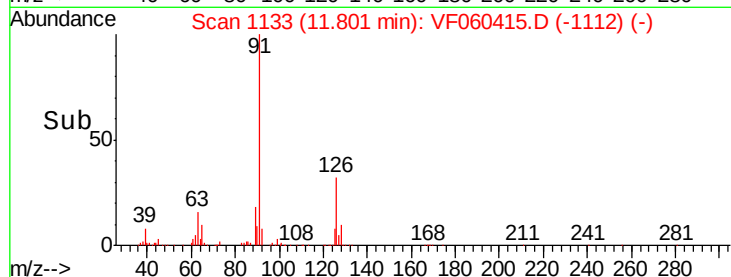
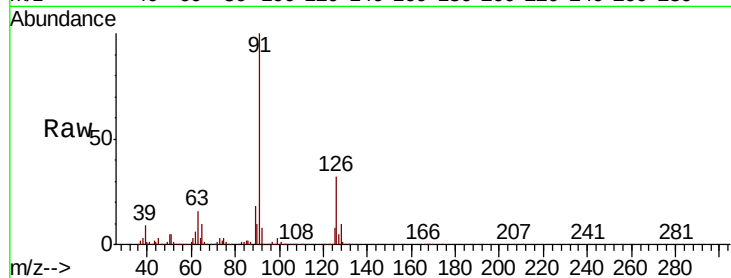
126 32.4 14.4 43.4

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



#80

1,3,5-Trimethylbenzene

Concen: 48.294 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060415.D

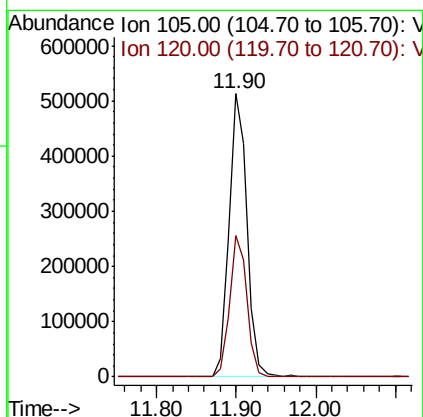
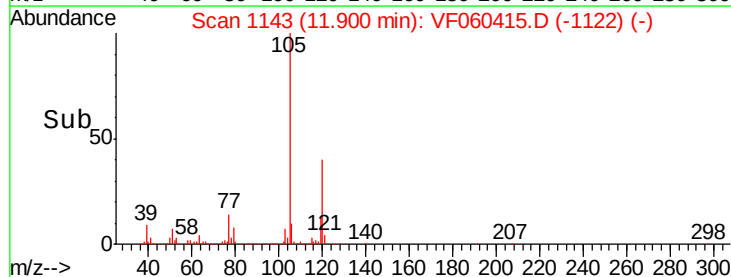
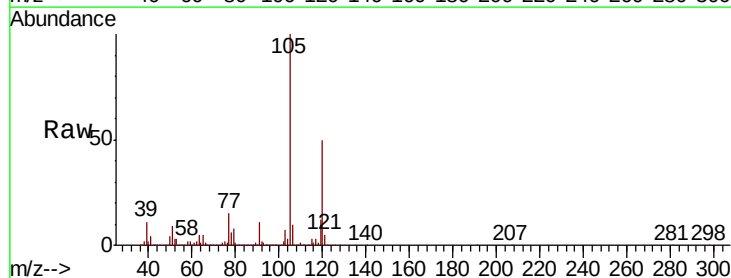
Acq: 2 Oct 2018 21:42

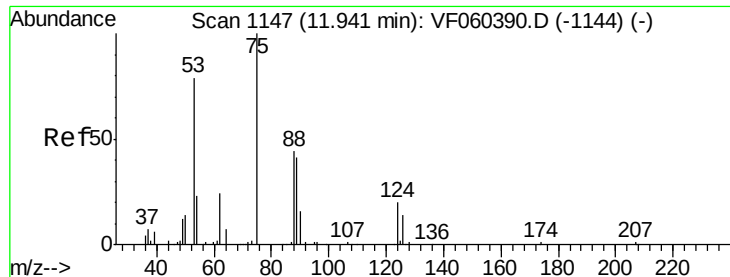
Tgt Ion: 105 Resp: 813442

Ion Ratio Lower Upper

105 100

120 49.8 22.3 66.9





#81

trans-1,4-Dichloro-2-butene

Concen: 54.668 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 64482

Ion Ratio Lower Upper

75 100

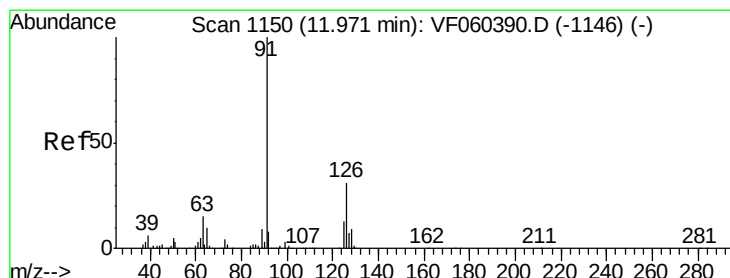
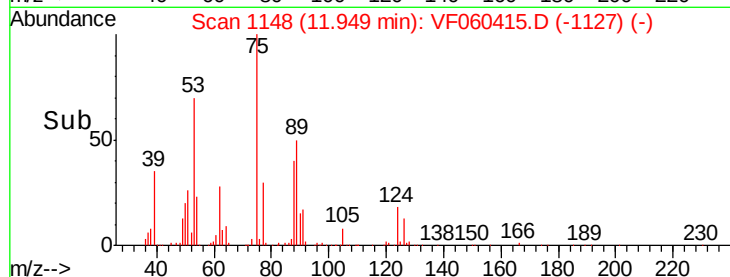
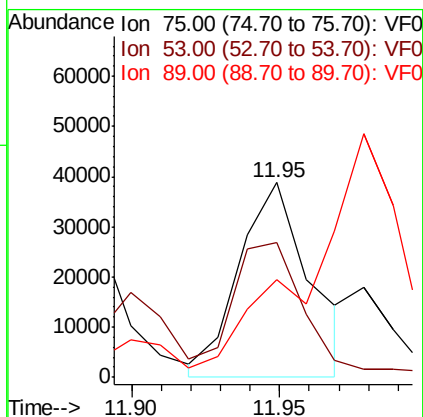
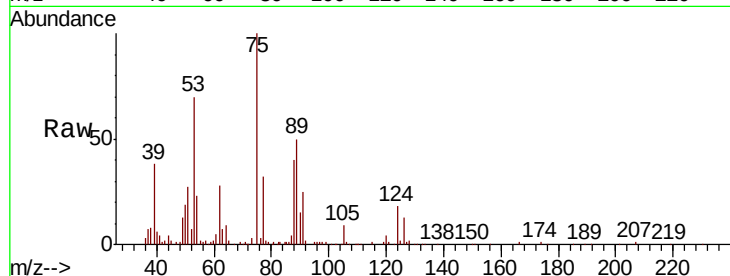
53 69.6 67.8 101.8

89 50.1 36.7 55.1

Manual Integrations
APPROVED

apatel

10/3/2018 1:15:58 PM



#82

4-Chlorotoluene

Concen: 49.212 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF060415.D

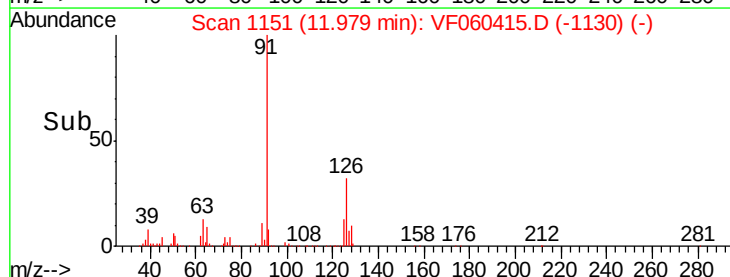
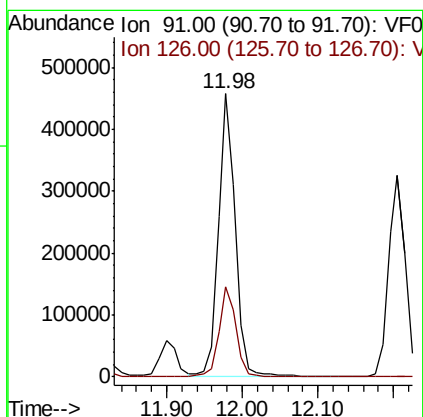
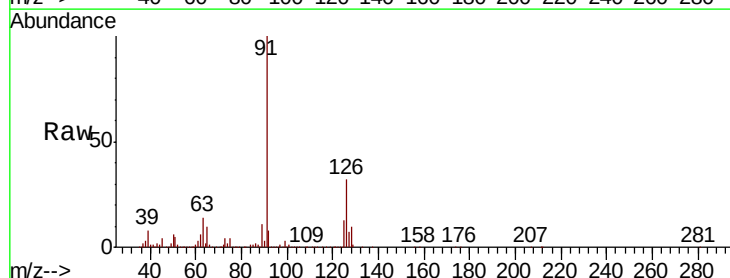
Acq: 2 Oct 2018 21:42

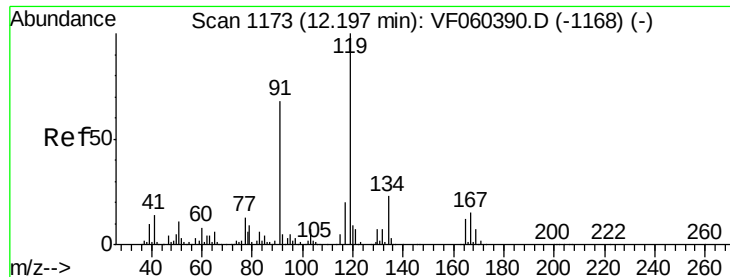
Tgt Ion: 91 Resp: 707901

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.0





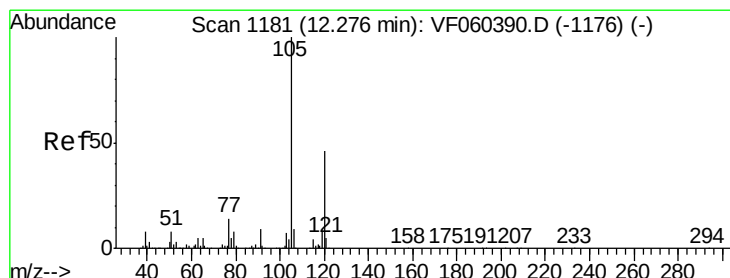
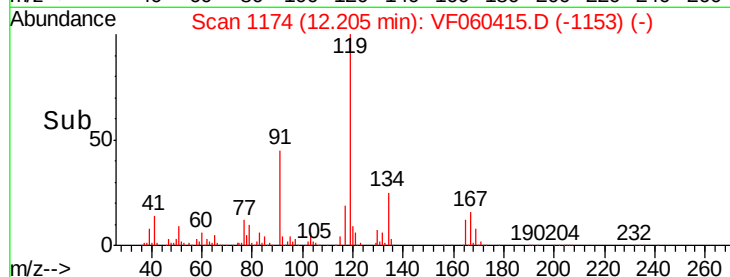
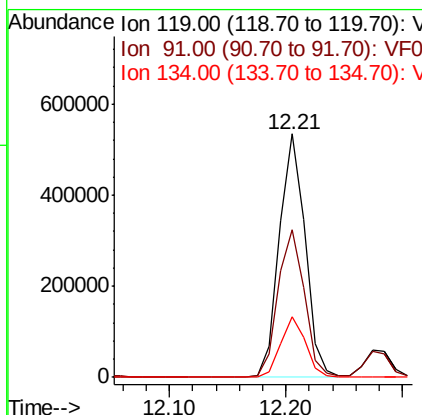
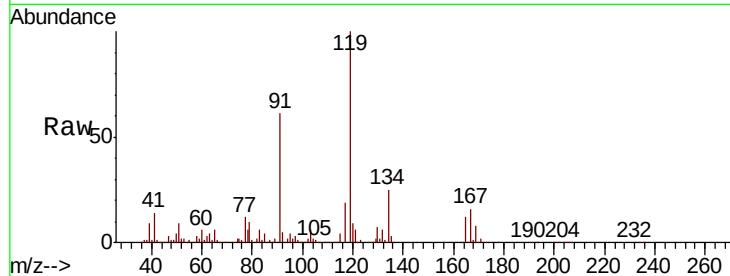
#83
 tert-Butylbenzene
 Concen: 49.457 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	34.0	102.0
134	24.6	11.7	35.0

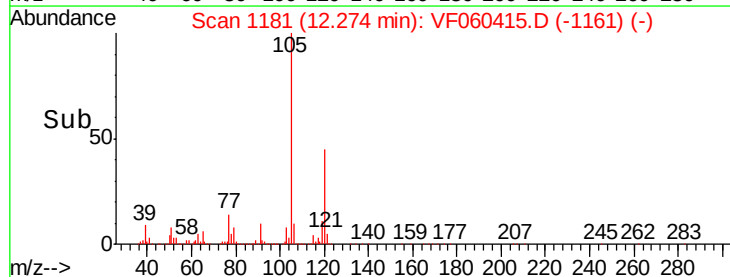
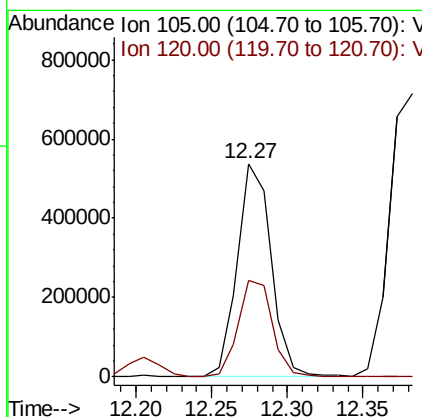
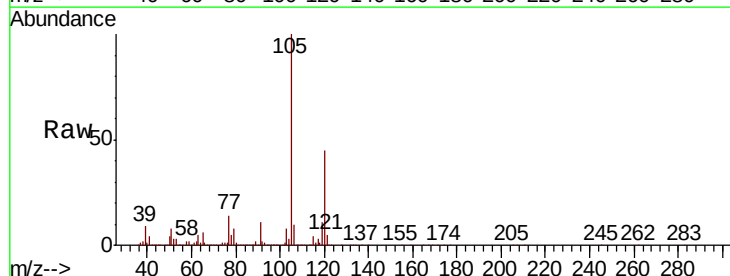
Manual Integrations
 APPROVED

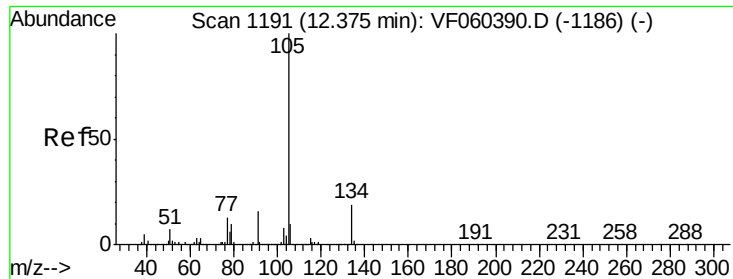
apatel
 10/3/2018 1:15:58 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.831 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 49.388 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1132544

Ion Ratio Lower Upper

105 100

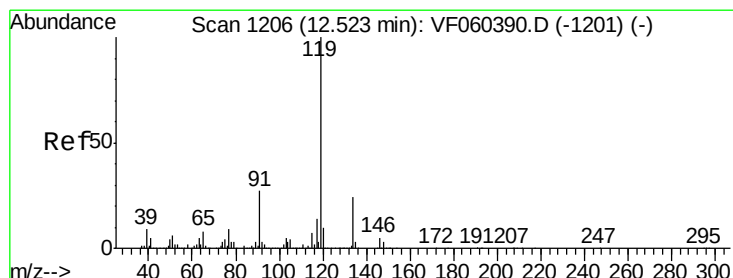
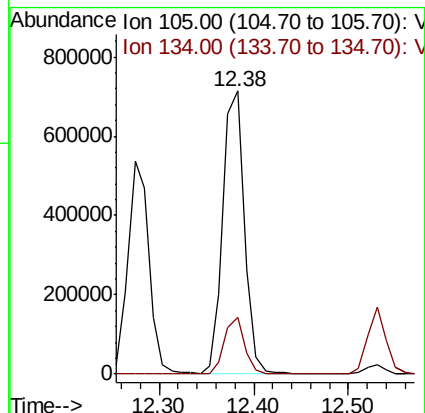
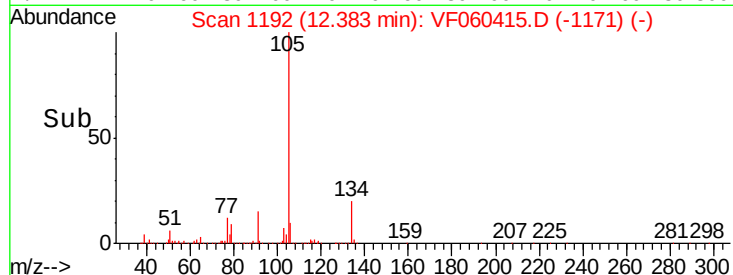
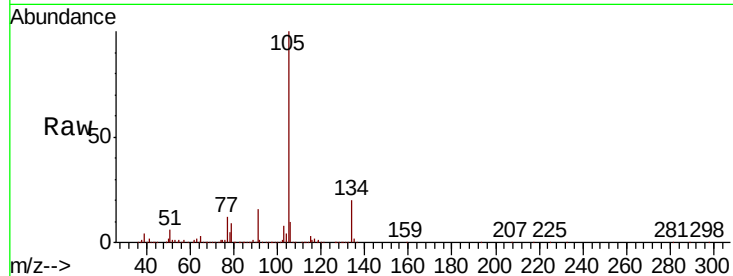
134 20.1 9.4 28.3

Manual Integrations

APPROVED

apatel

10/3/2018 1:15:58 PM



#86

p-Isopropyltoluene

Concen: 48.230 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

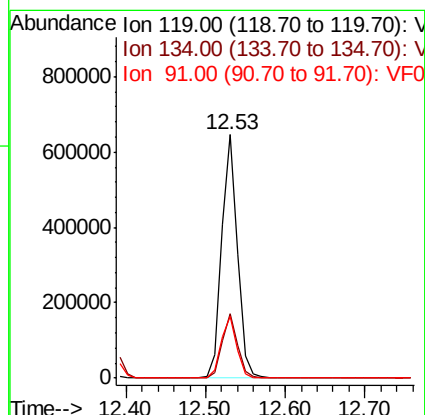
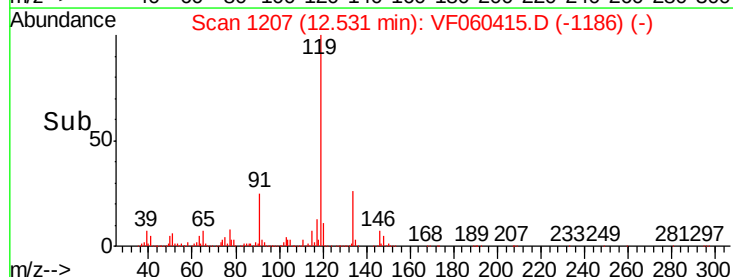
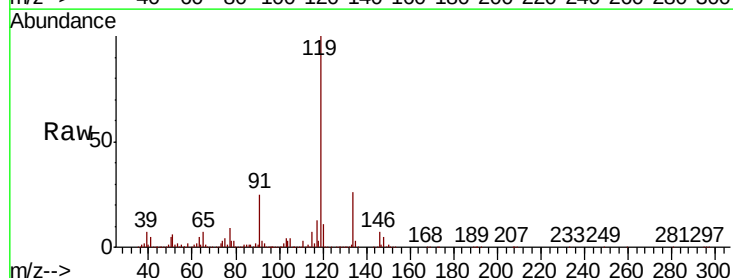
Tgt Ion:119 Resp: 903564

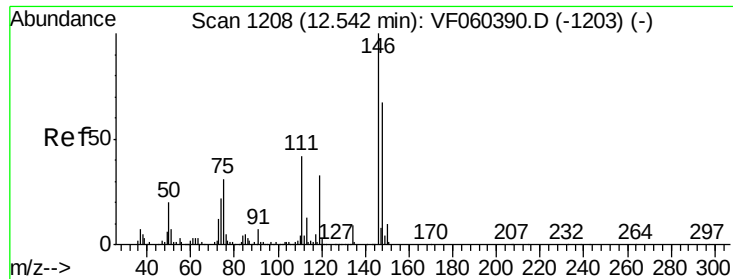
Ion Ratio Lower Upper

119 100

134 26.4 12.3 36.8

91 25.4 13.5 40.4





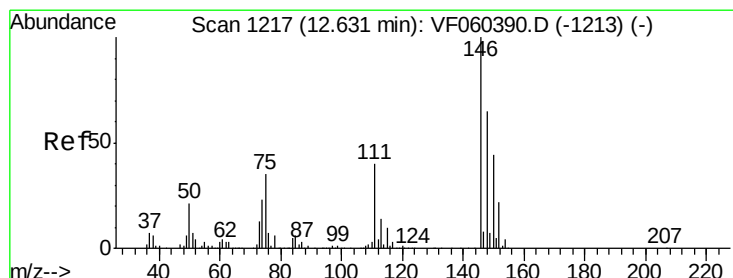
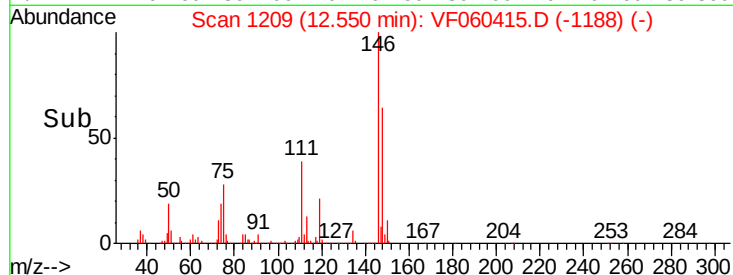
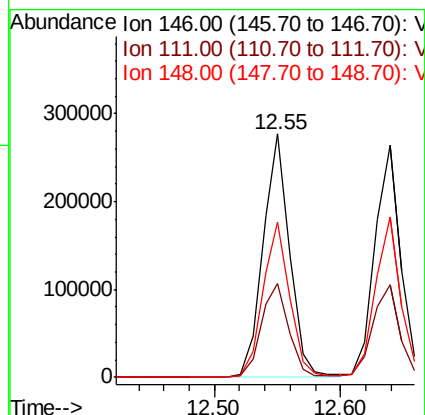
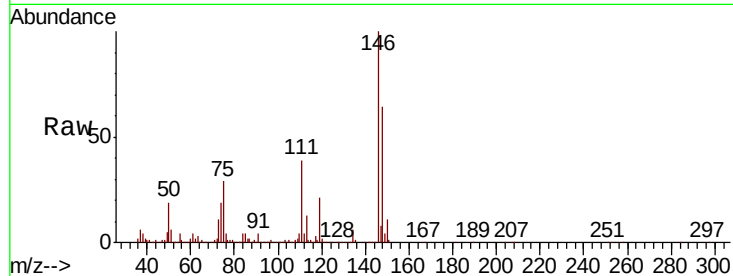
#87
 1,3-Dichlorobenzene
 Concen: 48.780 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.9	62.7
148	63.9	33.6	100.8

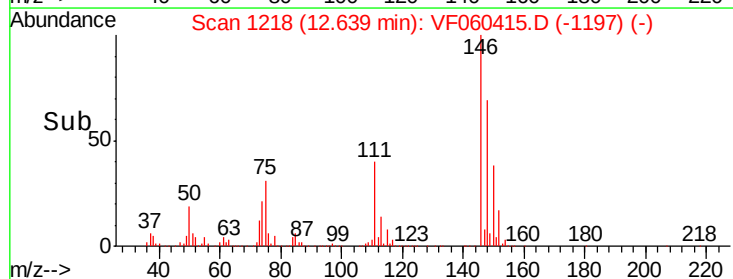
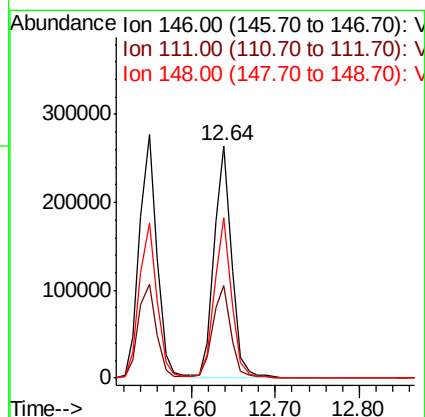
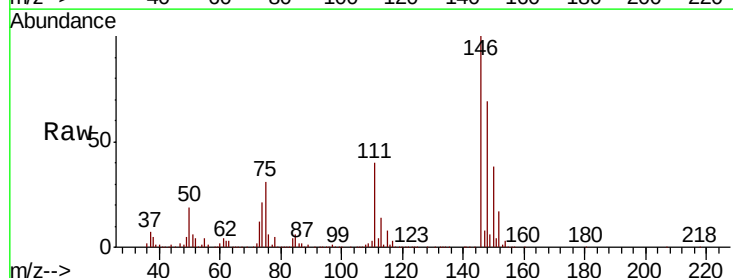
Manual Integrations
 APPROVED

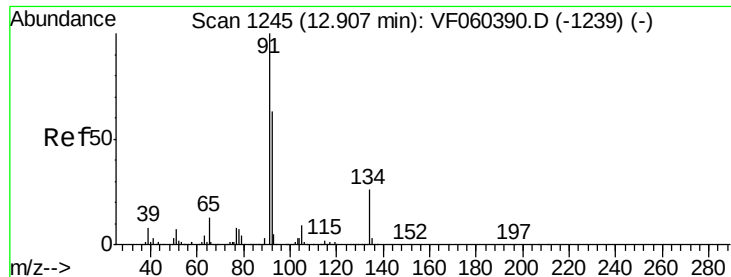
apatel
 10/3/2018 1:15:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.907 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.6
148	69.0	32.6	97.8





#89

n-Butylbenzene

Concen: 47.163 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Instrument :

MSVOA_F

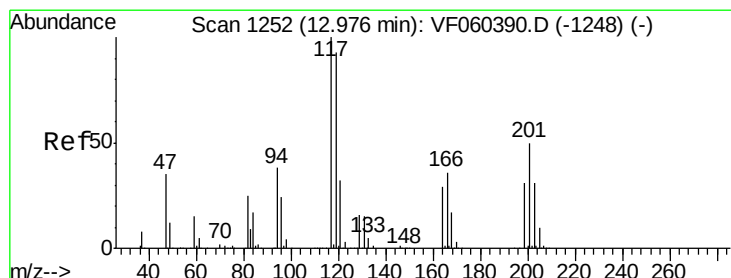
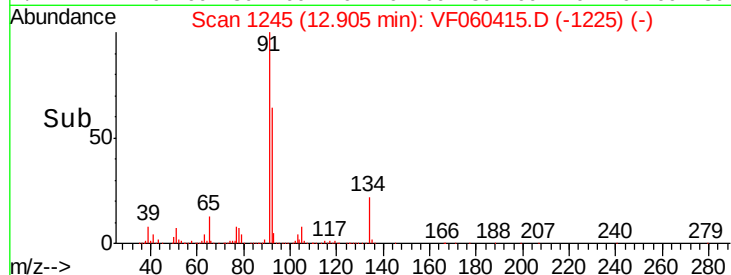
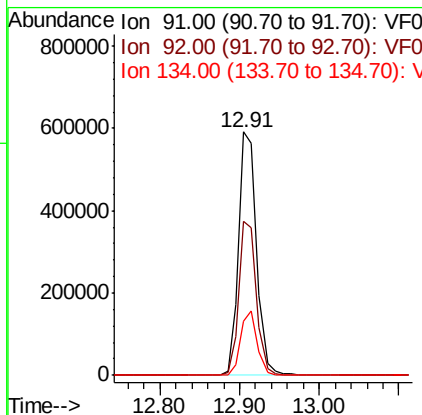
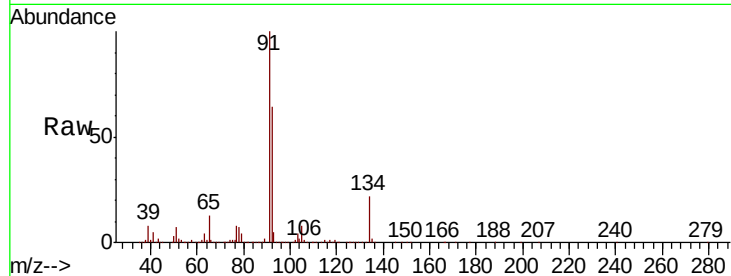
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	934969
Ion	Ratio	Lower	Upper
91	100		
92	63.5	31.3	93.9
134	22.4	13.0	38.9

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#90

Hexachloroethane

Concen: 47.461 ug/l

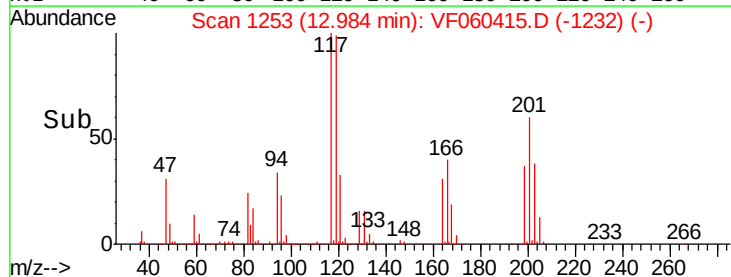
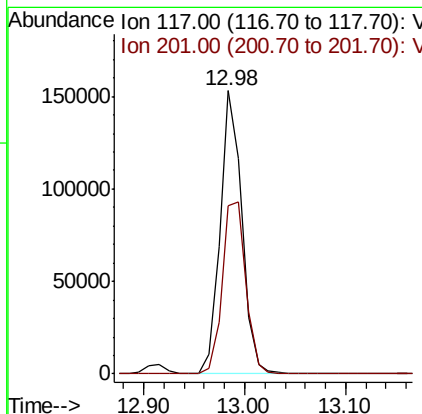
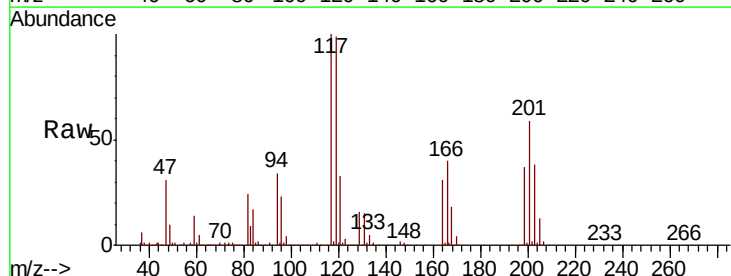
RT: 12.98 min Scan# 1253

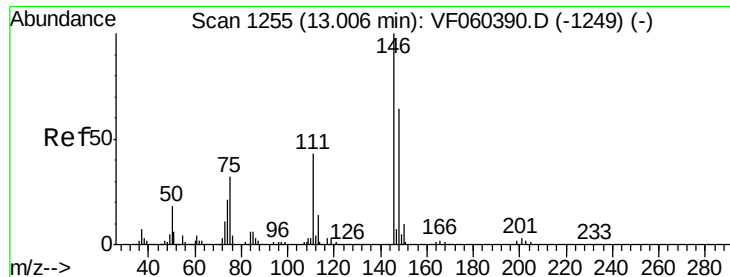
Delta R.T. 0.01 min

Lab File: VF060415.D

Acq: 2 Oct 2018 21:42

Tgt Ion:	117	Resp:	229810
Ion	Ratio	Lower	Upper
117	100		
201	59.3	25.5	76.5





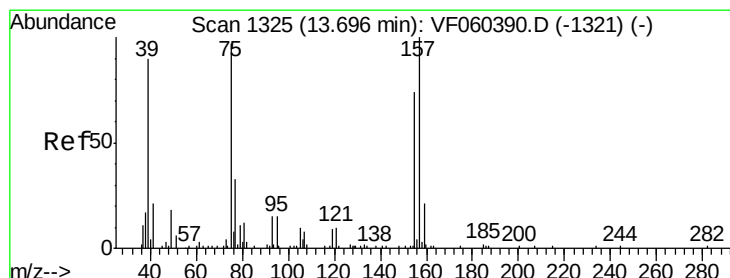
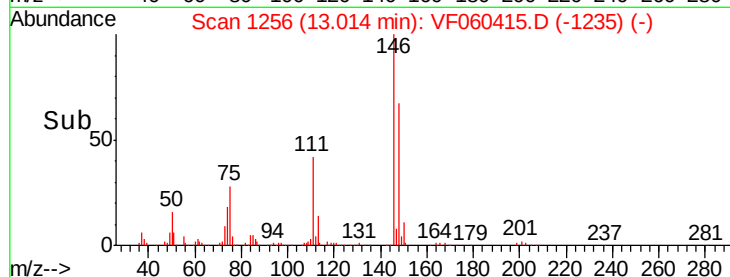
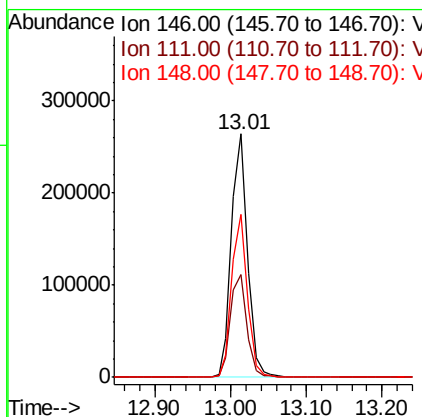
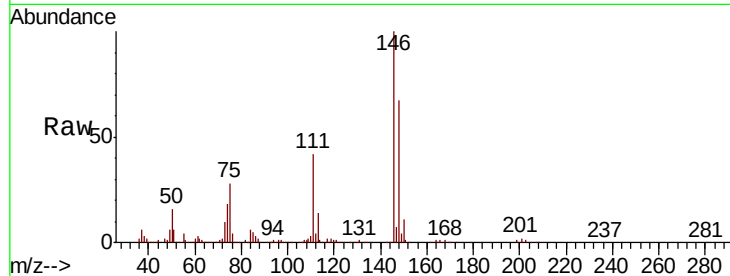
#91
 1,2-Dichlorobenzene
 Concen: 48.327 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	67.0	32.2	96.6

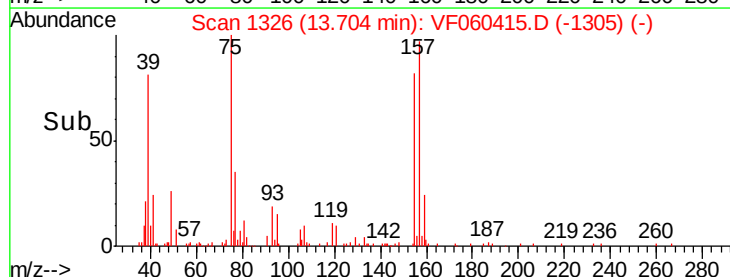
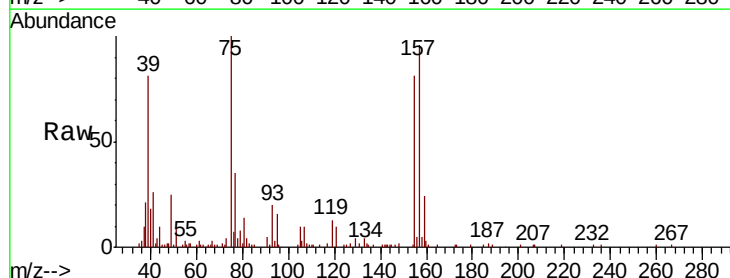
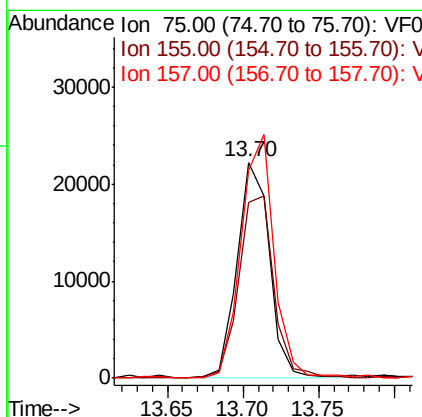
Manual Integrations
 APPROVED

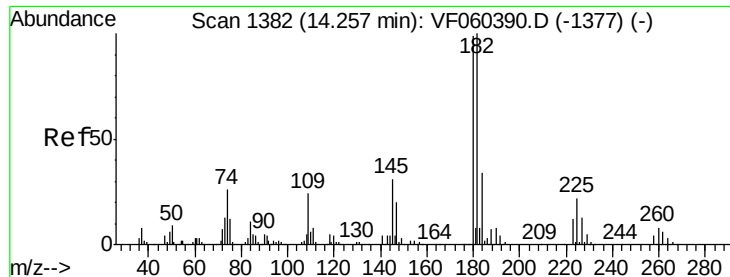
apatel
 10/3/2018 1:15:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.337 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	37.9	113.6
157	96.2	51.3	154.0





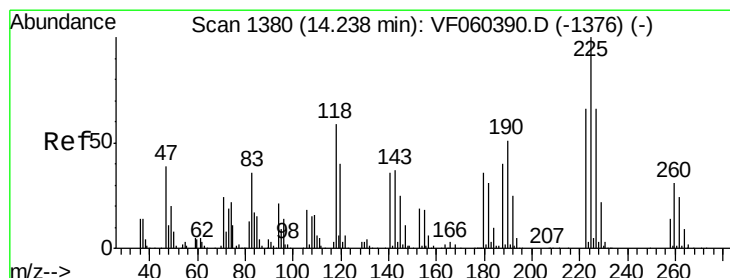
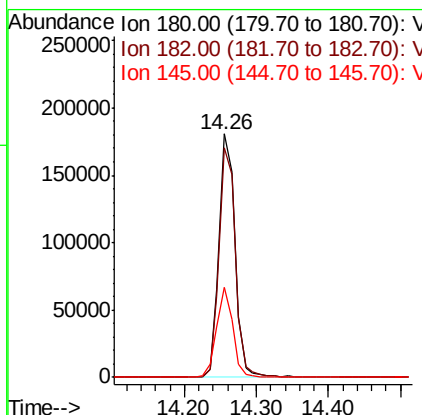
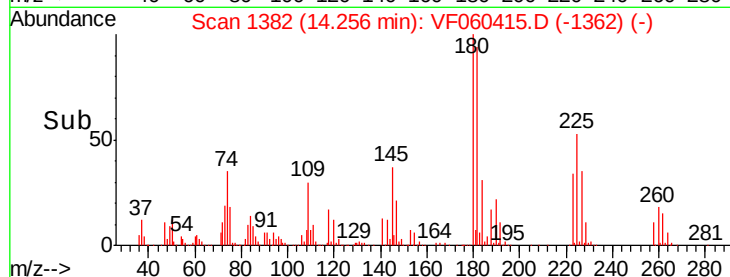
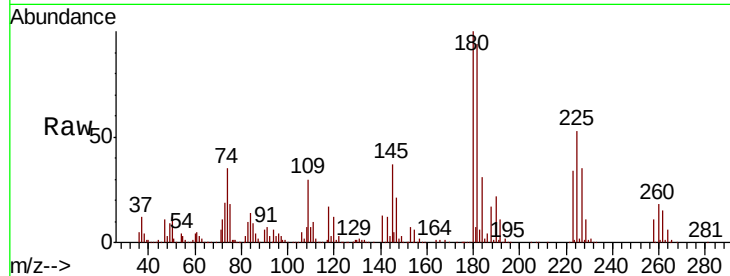
#93
 1,2,4-Trichlorobenzene
 Concen: 46.342 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	276760		
182	94.3	50.3	150.9	
145	36.8	15.5	46.5	

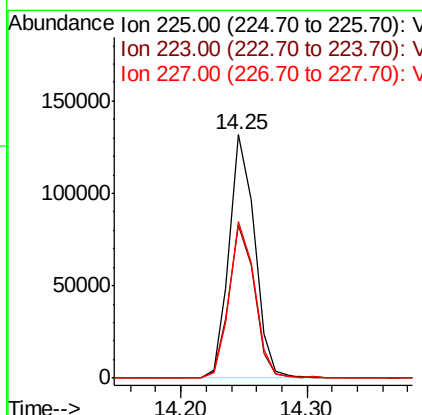
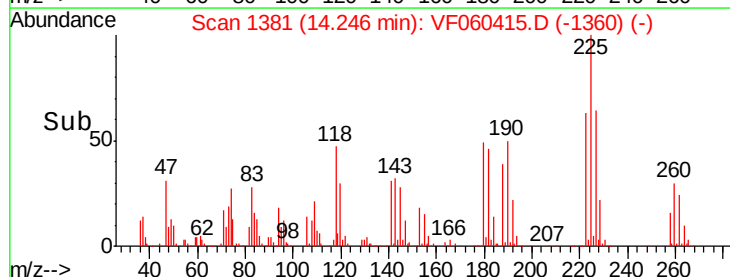
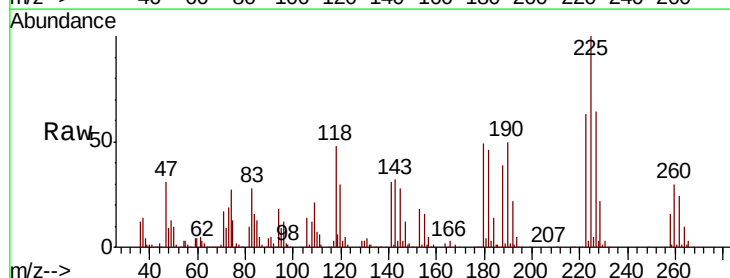
Manual Integrations
 APPROVED

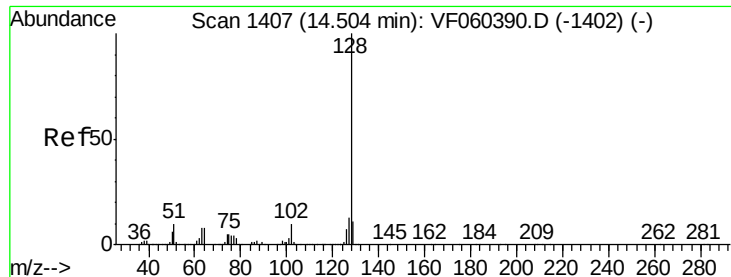
apatel
 10/3/2018 1:15:58 PM



#94
 Hexachlorobutadiene
 Concen: 44.102 ug/l
 RT: 14.25 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VF060415.D
 Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183824		
223	62.7	32.8	98.4	
227	64.4	33.0	99.0	





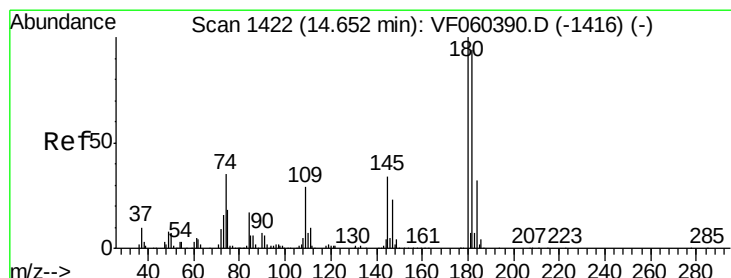
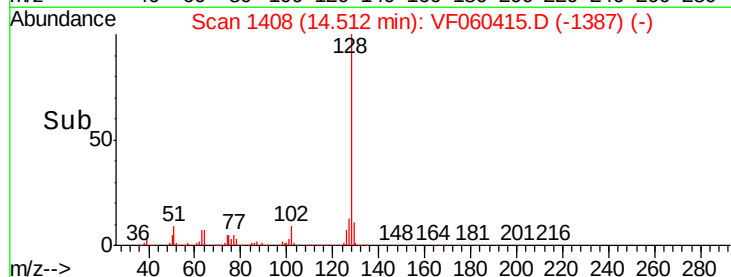
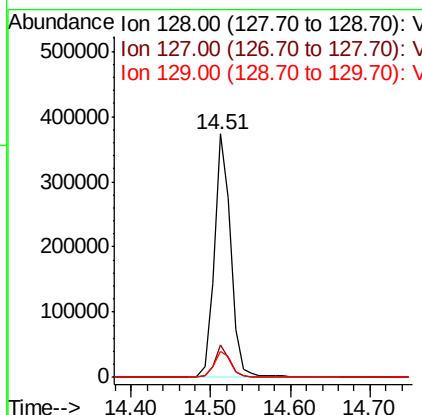
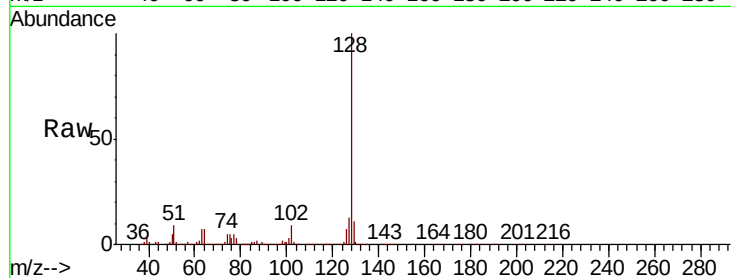
#95
Naphthalene
Concen: 50.673 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.0	15.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

apatel
10/3/2018 1:15:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.716 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. 0.01 min
Lab File: VF060415.D
Acq: 2 Oct 2018 21:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	46.8	140.3
145	31.7	16.9	50.6

