

Data File : VF058112.D
Acq On : 6 Jun 2018 17:41
Operator : JC/SY
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM

Quant Time: Jun 07 06:54:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	342110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	528142	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	544945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	302506	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	208317	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	4.30	113	201721	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	7.71	98	596263	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.51	95	285459	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	0.98	85	188501	45.625	ug/l	100
3) Chloromethane	1.08	50	151746	46.358	ug/l	100
4) Vinyl Chloride	1.15	62	137367	50.265	ug/l	100
5) Bromomethane	1.34	94	76668	49.545	ug/l	100
6) Chloroethane	1.43	64	58871	50.570	ug/l	100
7) Trichlorofluoromethane	1.49	101	224775m	54.150	ug/l	
8) Diethyl Ether	1.70	74	53110	52.537	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	134792	52.685	ug/l	100
10) Methyl Iodide	1.96	142	240516m	52.876	ug/l	
11) Tert butyl alcohol	2.68	59	63014	259.180	ug/l	100
12) 1,1-Dichloroethene	1.85	96	117461	52.765	ug/l	100
13) Acrolein	2.09	56	49061	310.205	ug/l	100
14) Allyl chloride	2.19	41	216471	50.862	ug/l	100
15) Acrylonitrile	3.08	53	143417	255.164	ug/l	100
16) Acetone	2.33	43	245938	264.153	ug/l	100
17) Carbon Disulfide	1.84	76	326618	51.127	ug/l	100
18) Methyl Acetate	2.44	43	79807	45.963	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	350307	50.249	ug/l	100
20) Methylene Chloride	2.27	84	113318m	49.714	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	122271	50.881	ug/l	100
22) Diisopropyl ether	2.92	45	416432	49.984	ug/l	100
23) Vinyl Acetate	3.33	43	1452554	237.957	ug/l	100
24) 1,1-Dichloroethane	2.99	63	254621	49.338	ug/l	100
25) 2-Butanone	4.50	43	355144	235.149	ug/l	100
26) 2,2-Dichloropropane	3.75	77	189739	52.021	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	192167	48.089	ug/l	100
28) Bromochloromethane	3.89	49	110025	48.258	ug/l	100
29) Tetrahydrofuran	4.25	42	163731	234.862	ug/l	100
30) Chloroform	4.03	83	382062	49.350	ug/l	100
31) Cyclohexane	3.86	56	228847	47.117	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	283800	51.644	ug/l	100
36) 1,1-Dichloropropene	4.45	75	272514	51.018	ug/l	100
37) Ethyl Acetate	4.29	43	153921	48.869	ug/l	100
38) Carbon Tetrachloride	4.17	117	303546m	53.489	ug/l	

Data File : VF058112.D
Acq On : 6 Jun 2018 17:41
Operator : JC/SY
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleID :
VSTDICCC050

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM

Quant Time: Jun 07 06:54:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	282730	51.224	ug/l	100
40) Benzene	4.81	78	610506	48.817	ug/l	100
41) Methacrylonitrile	4.92	41	78632	49.298	ug/l	100
42) 1,2-Dichloroethane	5.11	62	283411	52.774	ug/l	100
43) Isopropyl Acetate	7.11	43	204359	47.857	ug/l	100
44) Trichloroethene	5.68	130	188808	48.472	ug/l	100
45) 1,2-Dichloropropane	6.39	63	176994	48.684	ug/l	100
46) Dibromomethane	6.25	93	138301	50.395	ug/l	100
47) Bromodichloromethane	6.54	83	312811	51.661	ug/l	100
48) Methyl methacrylate	6.87	41	136254	50.481	ug/l	100
49) 1,4-Dioxane	6.87	88	19514	1047.735	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	705541	238.014	ug/l	100
52) Toluene	7.77	92	438740	49.410	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	276197	47.744	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	338004	50.856	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	163011	50.494	ug/l	100
56) Ethyl methacrylate	8.76	69	195720	47.939	ug/l	100
57) 1,3-Dichloropropane	9.00	76	278607	49.569	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	68977	244.376	ug/l	100
59) 2-Hexanone	9.63	43	550913	237.344	ug/l	100
60) Dibromochloromethane	8.86	129	235535	51.310	ug/l	100
61) 1,2-Dibromoethane	9.14	107	186693	48.472	ug/l	100
64) Tetrachloroethene	8.31	164	202719	49.282	ug/l	100
65) Chlorobenzene	9.94	112	538148	48.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	211460	48.995	ug/l	100
67) Ethyl Benzene	10.04	91	952535	49.084	ug/l	100
68) m/p-Xylenes	10.27	106	649423	90.262	ug/l	100
69) o-Xylene	10.83	106	375611	47.932	ug/l	100
70) Styrene	10.90	104	567869	48.328	ug/l	100
71) Bromoform	10.89	173	145529	49.030	ug/l	100
73) Isopropylbenzene	11.22	105	1064618	49.557	ug/l	100
74) N-amyl acetate	11.46	43	358898	44.800	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	240997	46.833	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	176093	46.896	ug/l	100
77) Bromobenzene	11.59	156	264527	49.413	ug/l	100
78) n-propylbenzene	11.69	91	1254259	48.863	ug/l	100
79) 2-Chlorotoluene	11.82	91	727379	47.968	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	881504	49.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	112889	47.469	ug/l	100
82) 4-Chlorotoluene	11.99	91	772813	48.325	ug/l	100
83) tert-Butylbenzene	12.21	119	891563	50.055	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	945314	51.168	ug/l	100
85) sec-Butylbenzene	12.39	105	1188624	49.265	ug/l	100
86) p-Isopropyltoluene	12.54	119	1008707	50.150	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	480604	48.699	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	472459	49.865	ug/l	100
89) n-Butylbenzene	12.92	91	1044526	49.827	ug/l	100
90) Hexachloroethane	12.99	117	243482	50.194	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	461195	48.141	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	50338	51.287	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF060618\
Quantitation Report (QT Reviewed)

Data File : VF058112.D
Acq On : 6 Jun 2018 17:41
Operator : JC/SY
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM

Quant Time: Jun 07 06:54:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	332394	49.470	ug/l	100
94) Hexachlorobutadiene	14.25	225	199977	51.552	ug/l	100
95) Naphthalene	14.53	128	709546	49.468	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	321827	50.838	ug/l	100

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

Data File : VF058112.D

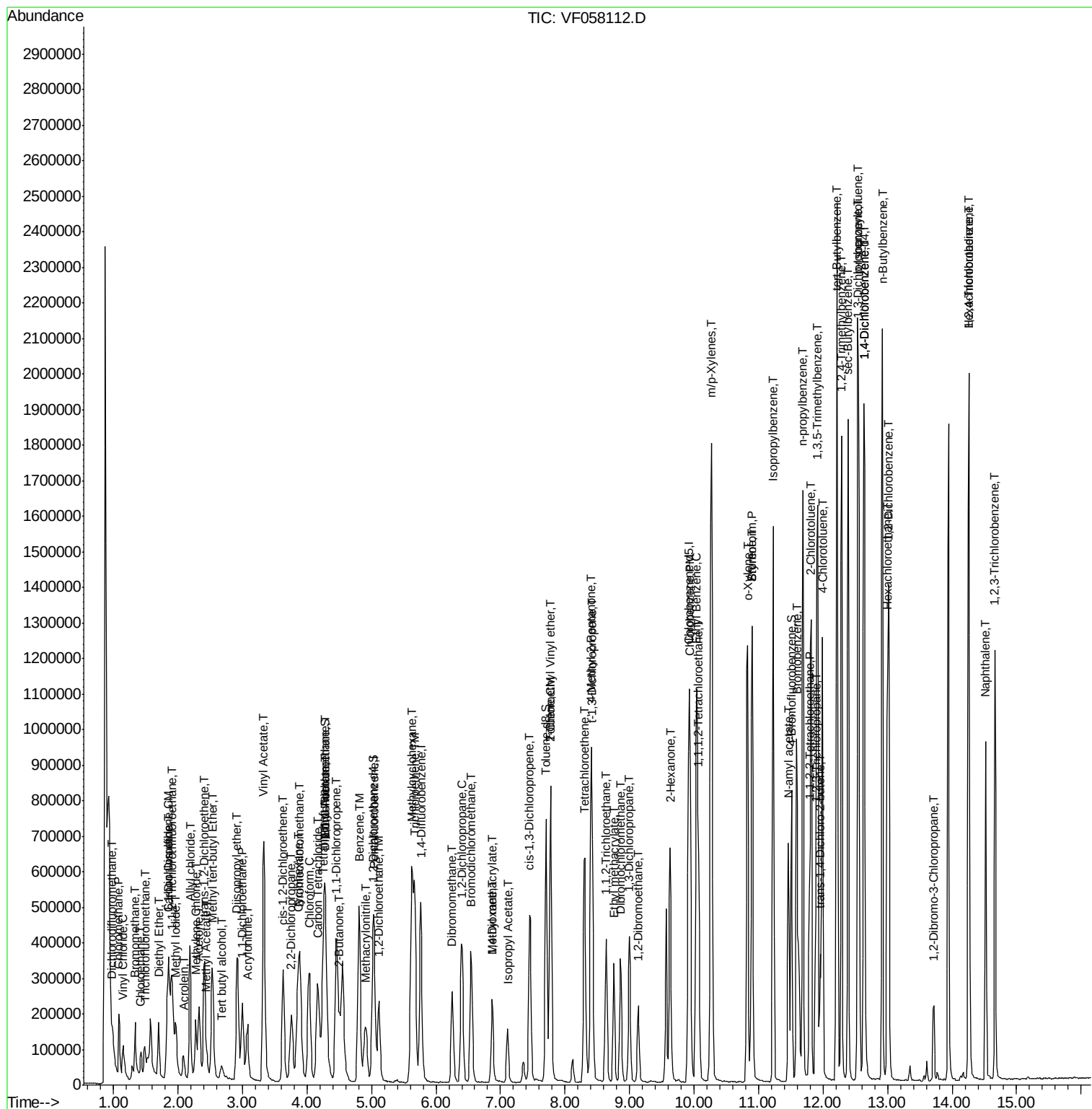
```
Acq On       : 6 Jun 2018 17:41
Operator    : JC/SY
Sample      : VSTDICCC050
Misc       : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial    : 6 Sample Multiplier: 1
```

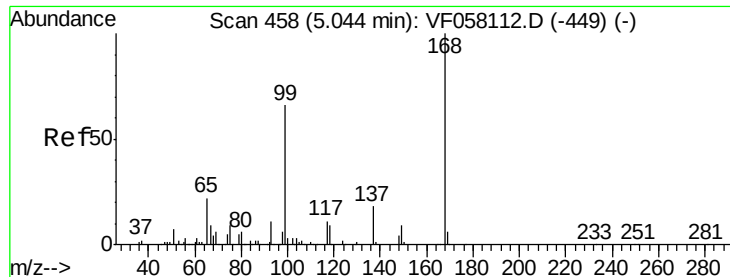
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM

Quant Time: Jun 07 06:54:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 168 Resp: 342110

Ion Ratio Lower Upper

168 100

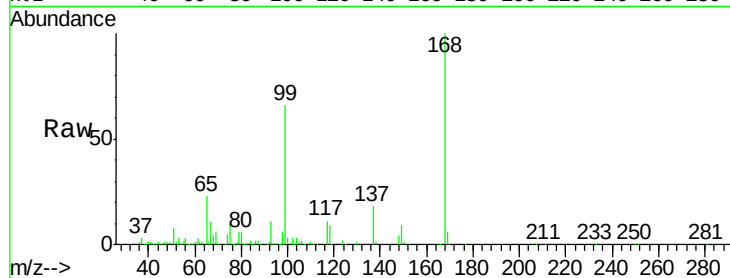
99 66.1 52.9 79.3

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:46 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

120000

100000

80000

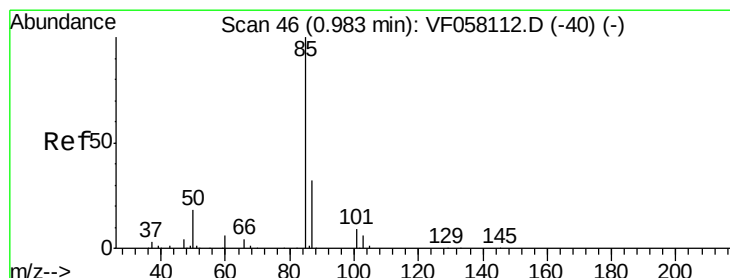
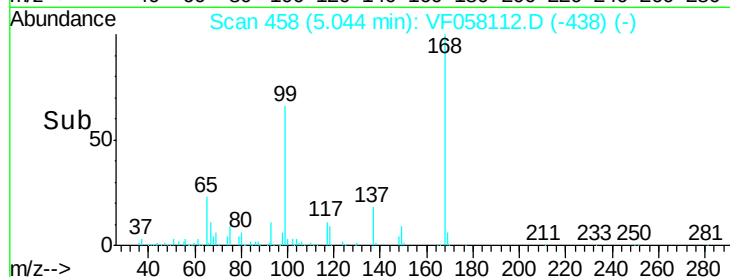
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.625 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF058112.D

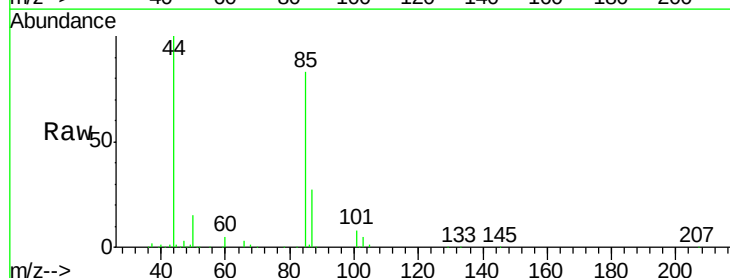
Acq: 6 Jun 2018 17:41

Tgt Ion: 85 Resp: 188501

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

50000

40000

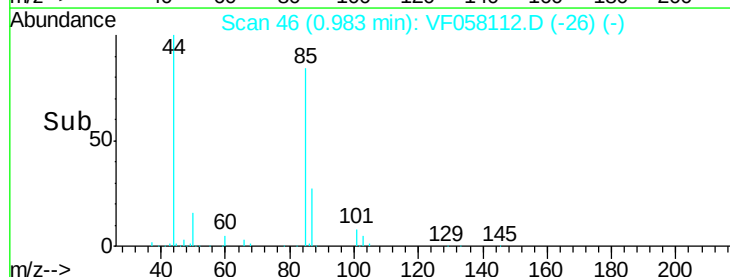
30000

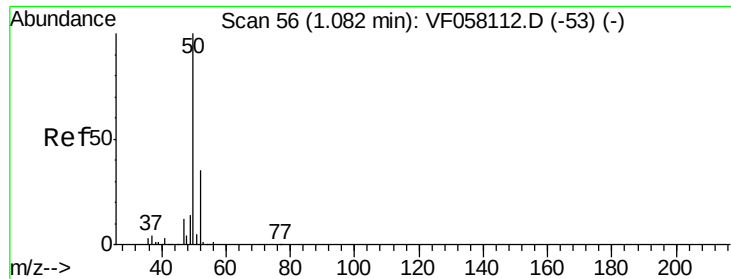
20000

10000

0

Time-->





#3

Chloromethane

Concen: 46.358 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 151746

Ion Ratio Lower Upper

50 100

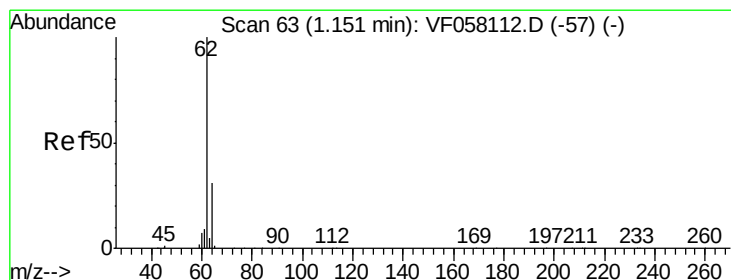
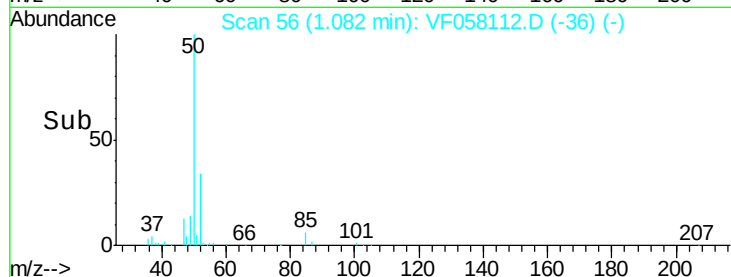
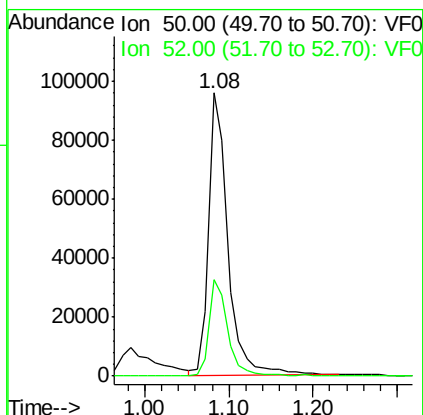
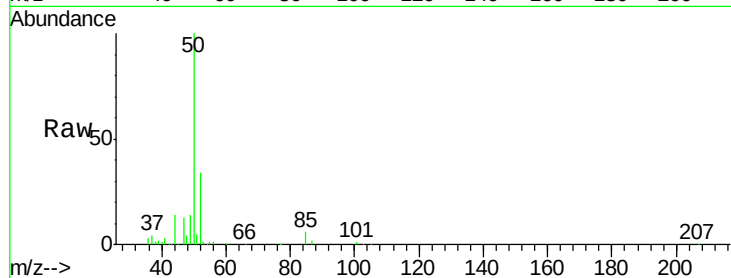
52 34.1 27.3 40.9

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:46 PM



#4

Vinyl Chloride

Concen: 50.265 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF058112.D

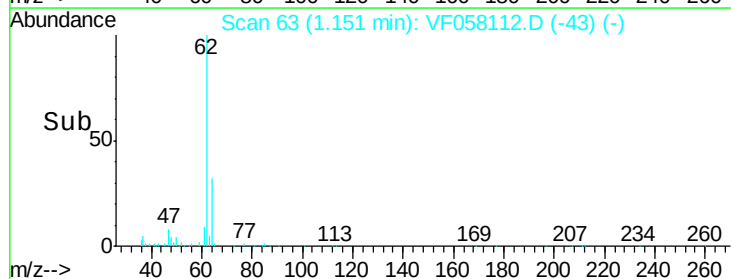
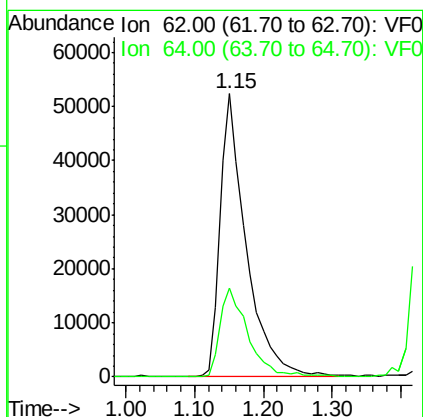
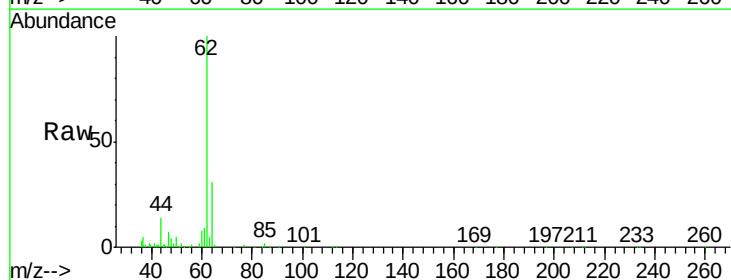
Acq: 6 Jun 2018 17:41

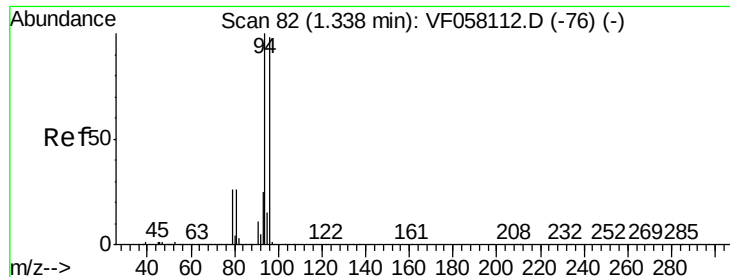
Tgt Ion: 62 Resp: 137367

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 49.545 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 76668

Ion Ratio Lower Upper

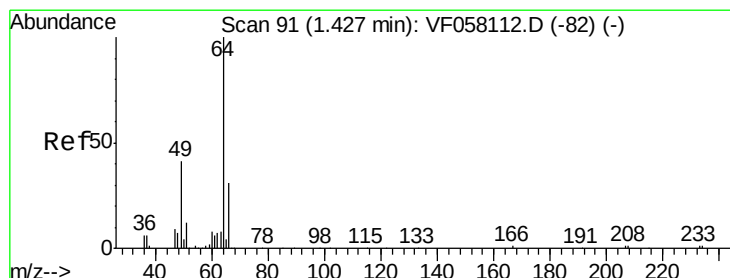
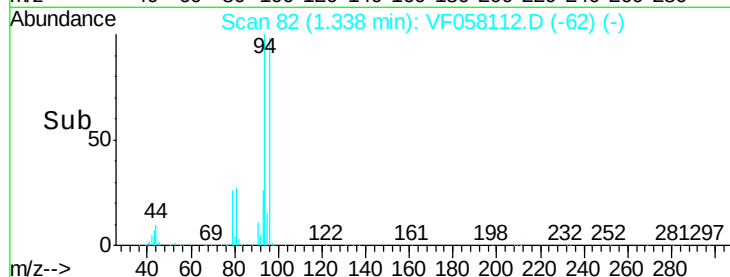
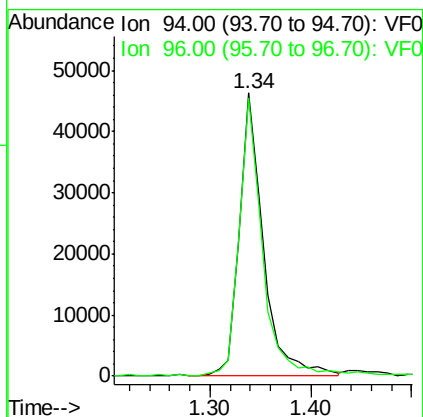
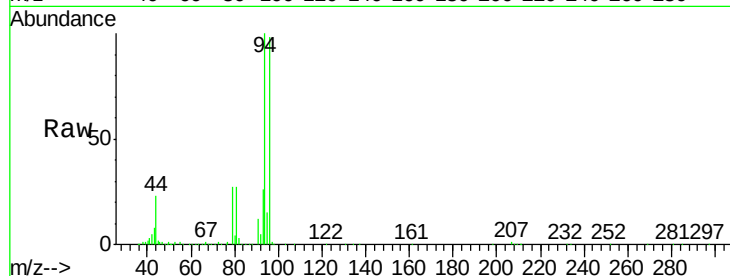
94 100

96 98.2 78.6 117.8

Manual Integrations
APPROVED

apatel

6/7/2018 12:37:46 PM



#6

Chloroethane

Concen: 50.570 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF058112.D

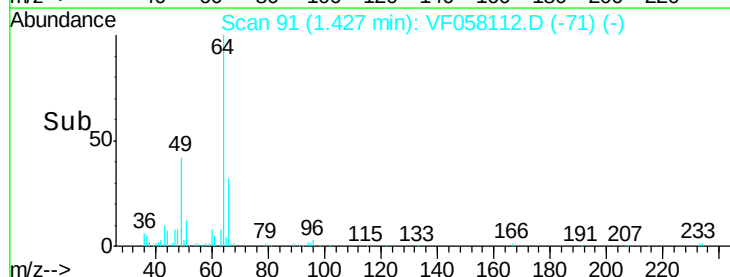
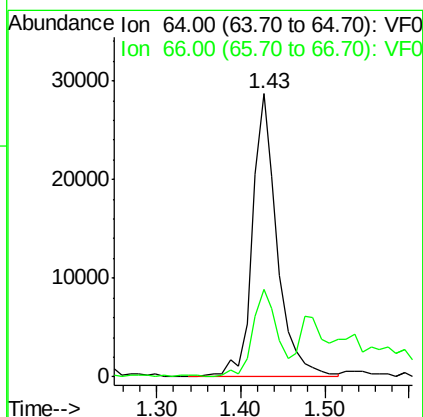
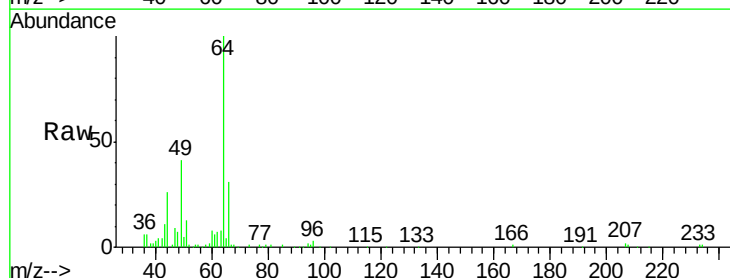
Acq: 6 Jun 2018 17:41

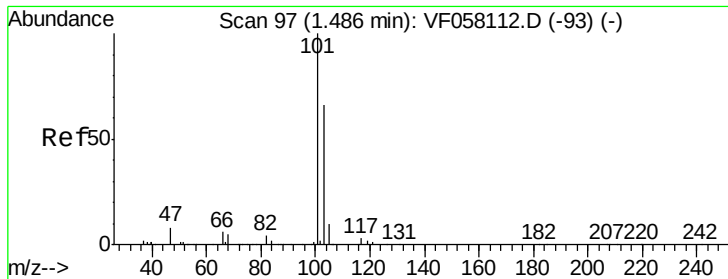
Tgt Ion: 64 Resp: 58871

Ion Ratio Lower Upper

64 100

66 31.1 24.9 37.3





#7

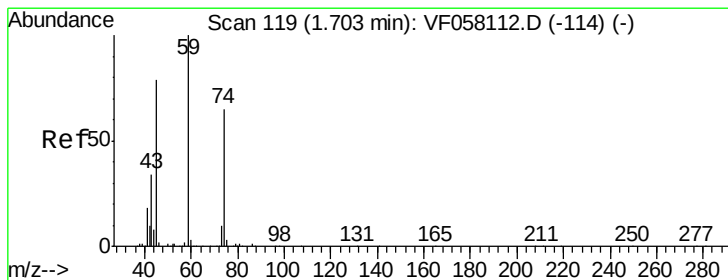
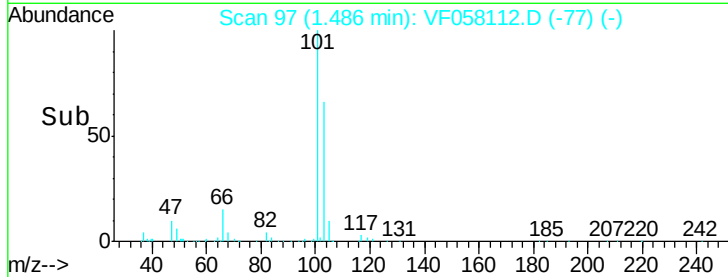
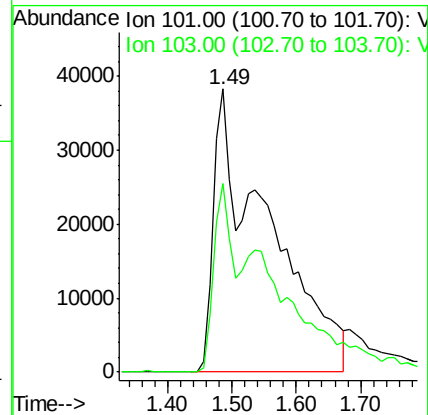
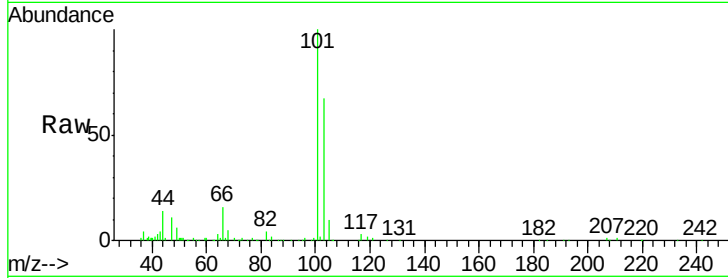
Trichlorofluoromethane
Concen: 54.150 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 101 Resp: 224775
Ion Ratio Lower Upper
101 100
103 66.8 53.4 80.2

Manual Integrations
APPROVED

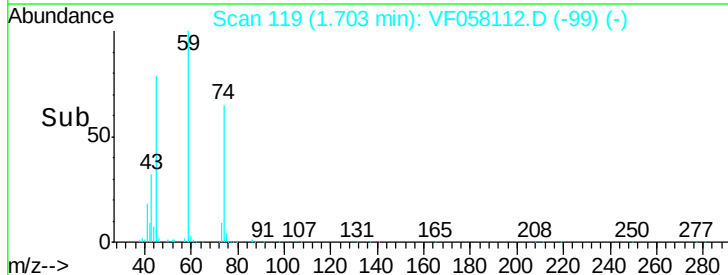
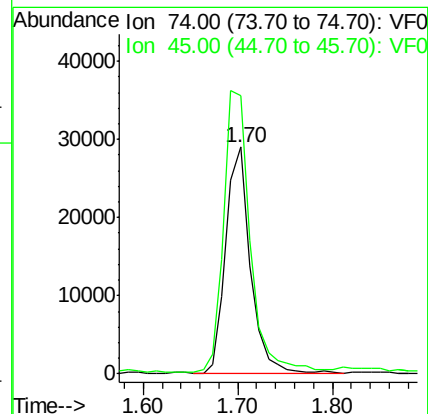
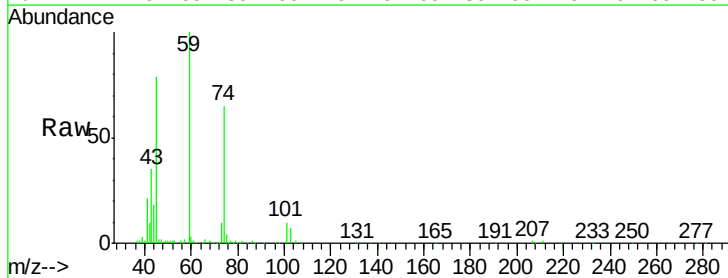
apatel
6/7/2018 12:37:46 PM

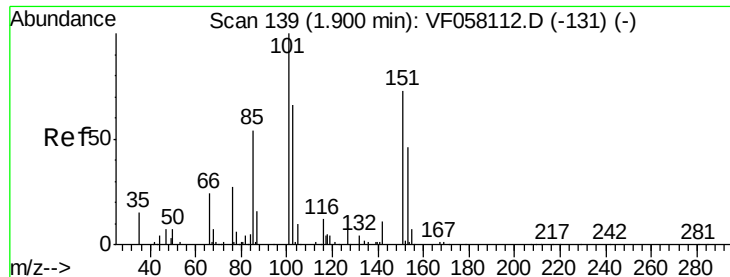


#8

Diethyl Ether
Concen: 52.537 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 74 Resp: 53110
Ion Ratio Lower Upper
74 100
45 122.9 61.5 184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.685 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

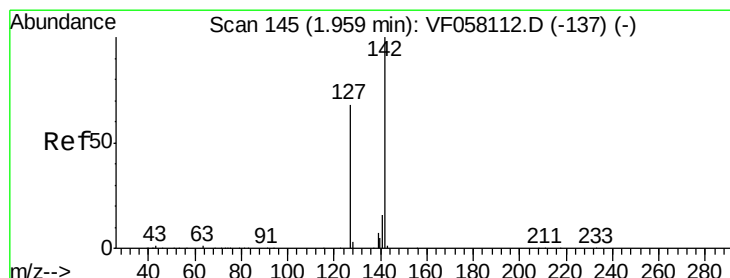
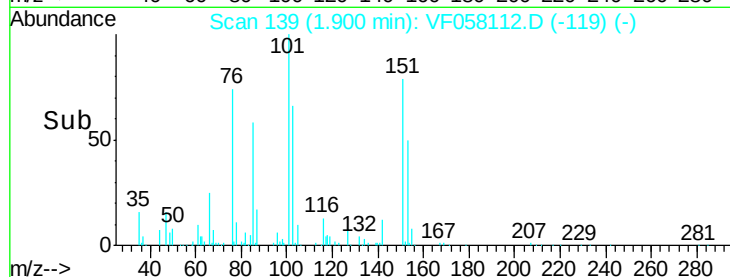
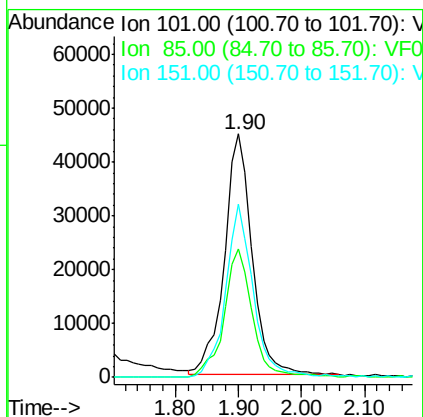
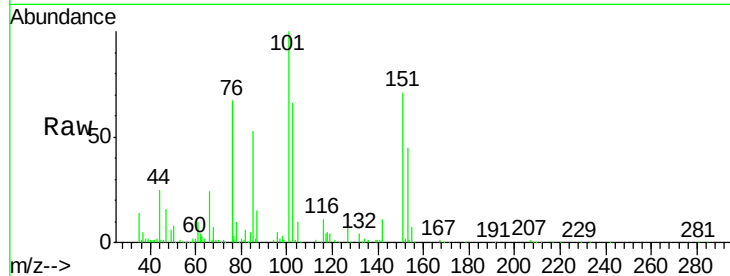
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	134792
Ion Ratio	Lower	Upper	
101	100		
85	52.8	42.2	63.4
151	71.0	56.8	85.2

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#10

Methyl Iodide

Concen: 52.876 ug/l m

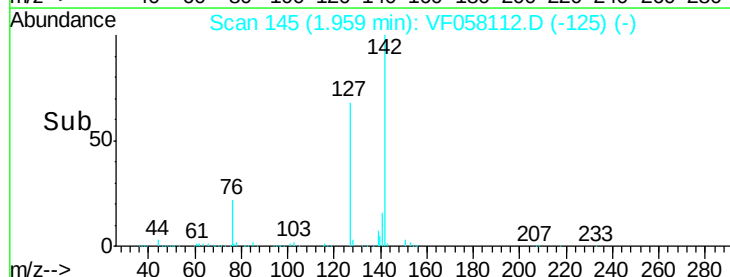
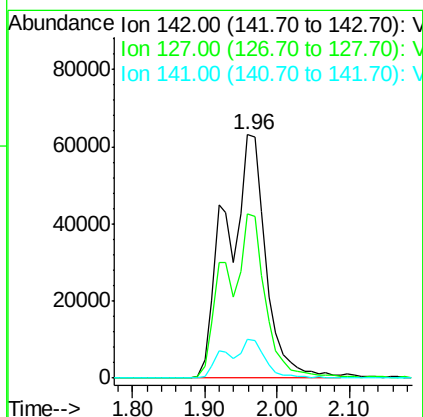
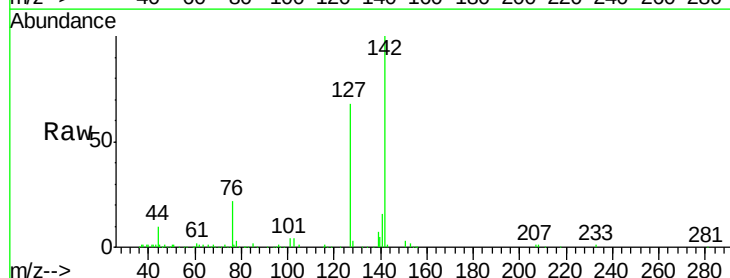
RT: 1.96 min Scan# 145

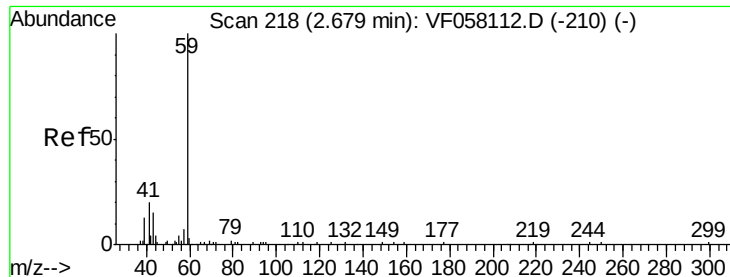
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion:	142	Resp:	240516
Ion Ratio	Lower	Upper	
142	100		
127	67.6	54.1	81.1
141	16.2	13.0	19.4





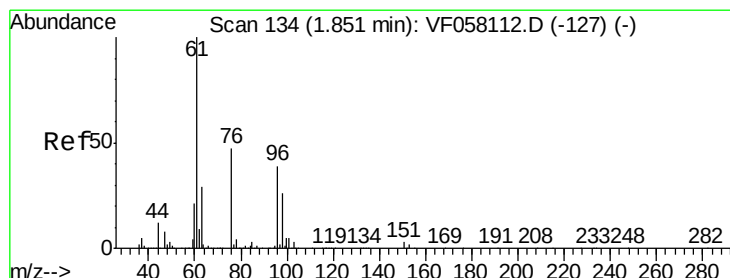
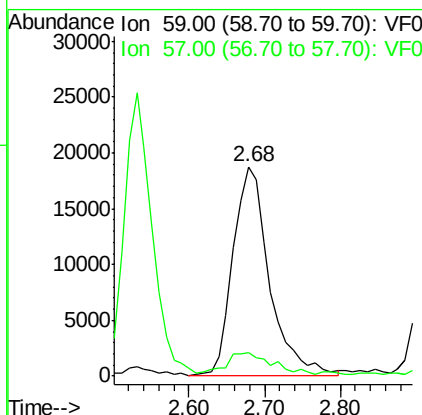
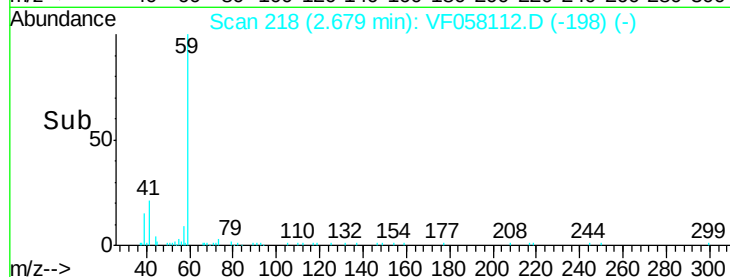
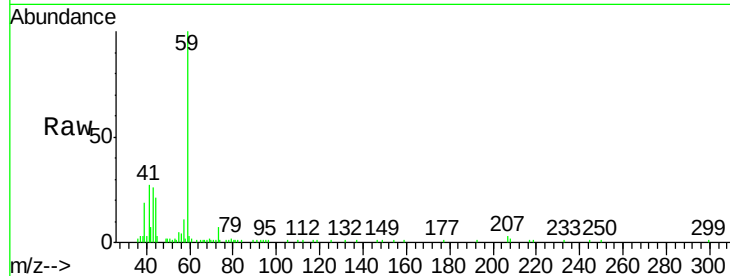
#11
Tert butyl alcohol
Concen: 259.180 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 63014
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

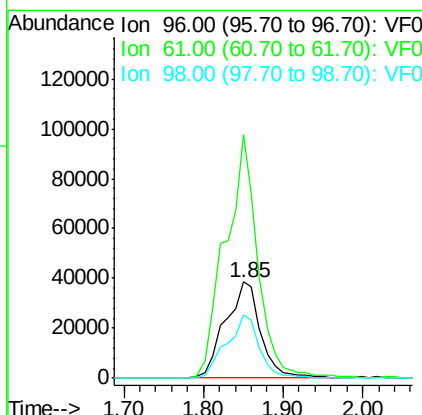
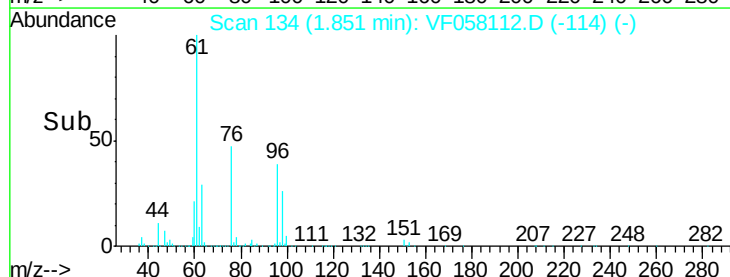
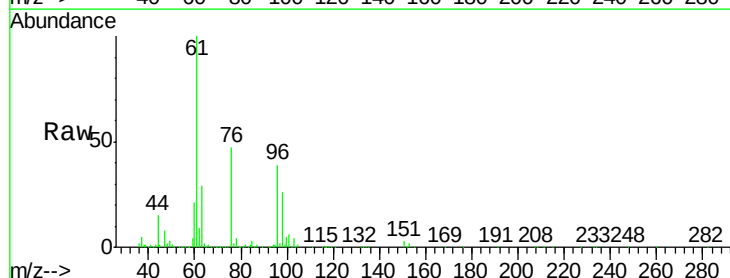
Manual Integrations
APPROVED

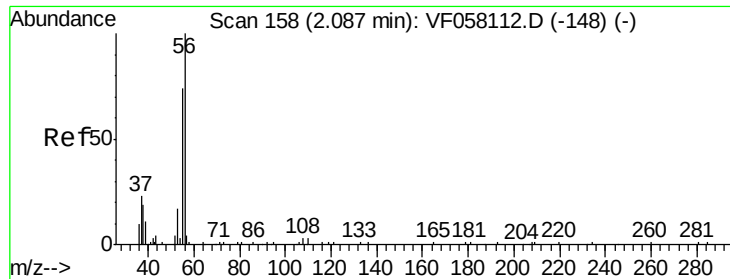
apatel
6/7/2018 12:37:46 PM



#12
1,1-Dichloroethene
Concen: 52.765 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 96 Resp: 117461
Ion Ratio Lower Upper
96 100
61 253.7 203.0 304.4
98 65.9 52.7 79.1





#13

Acrolein

Concen: 310.205 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 49061

Ion Ratio Lower Upper

56 100

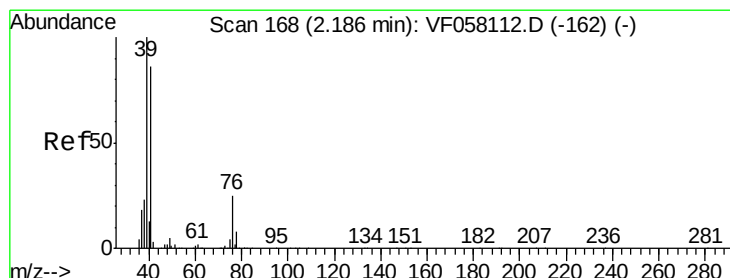
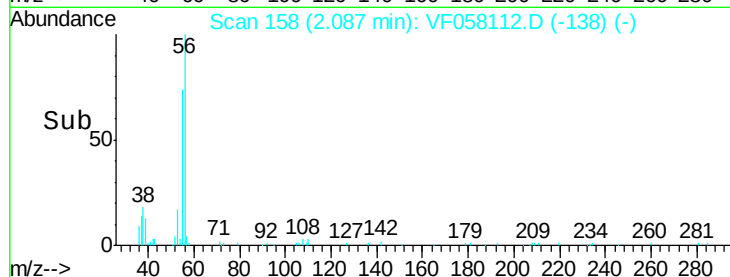
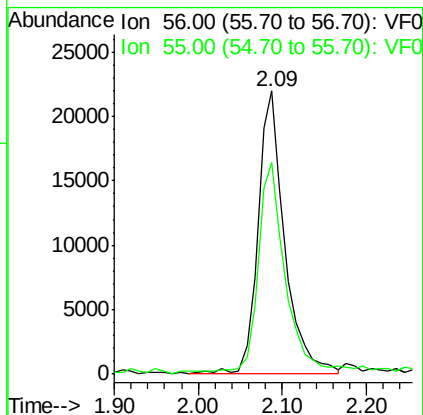
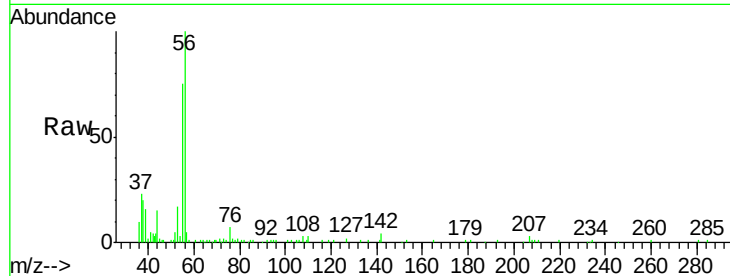
55 75.0 60.0 90.0

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:46 PM



#14

Allyl chloride

Concen: 50.862 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

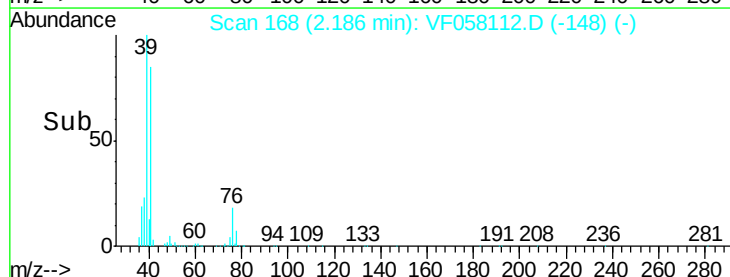
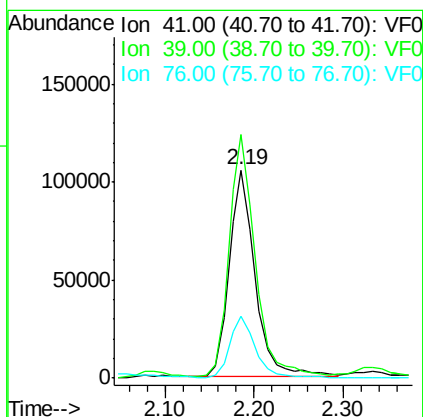
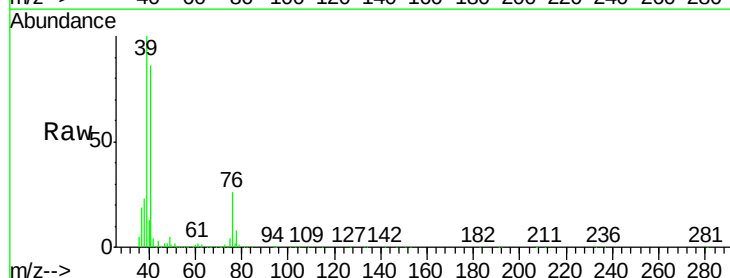
Tgt Ion: 41 Resp: 216471

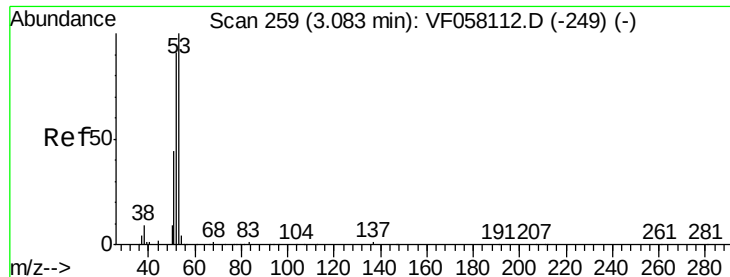
Ion Ratio Lower Upper

41 100

39 116.9 93.5 140.3

76 29.9 23.9 35.9





#15

Acrylonitrile

Concen: 255.164 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

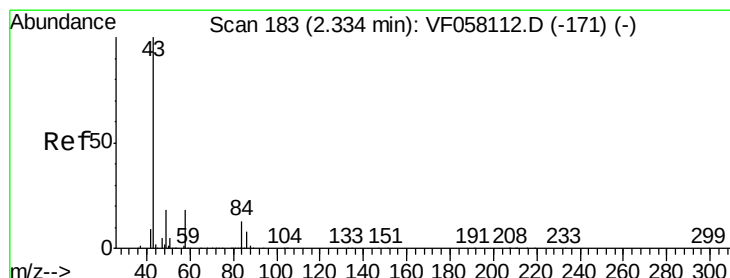
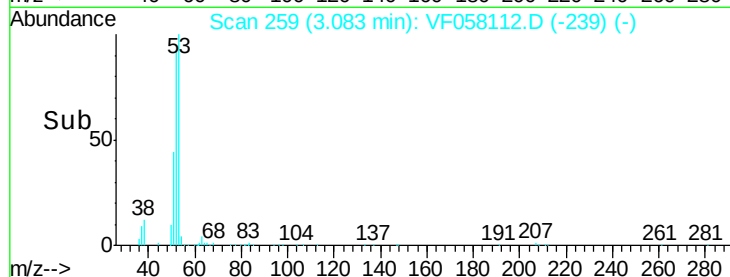
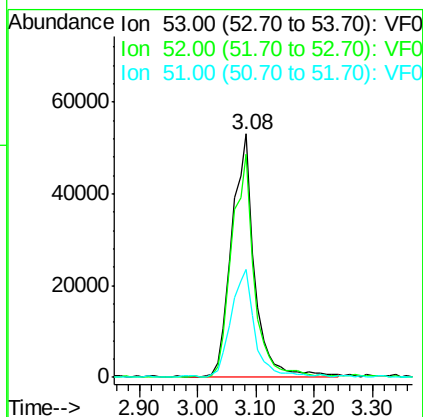
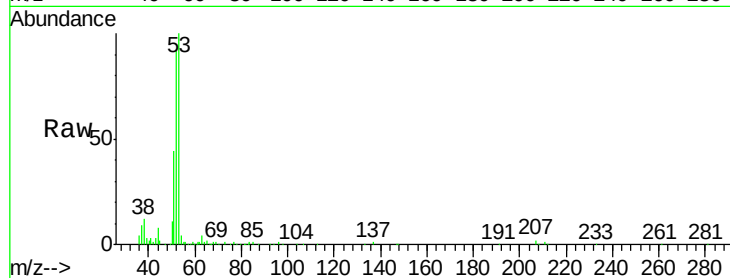
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	143417
Ion	Ratio	Lower	Upper
53	100		
52	91.5	73.2	109.8
51	44.5	35.6	53.4

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#16

Acetone

Concen: 264.153 ug/l

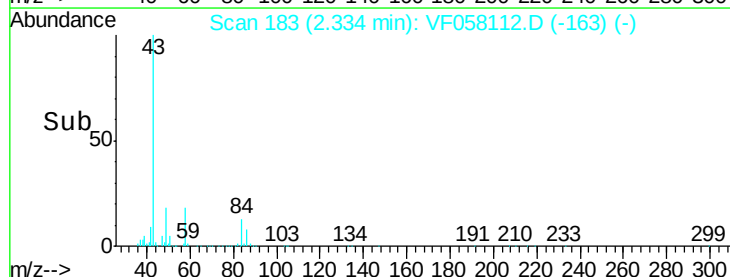
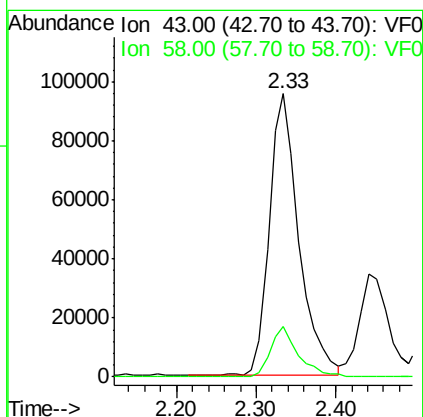
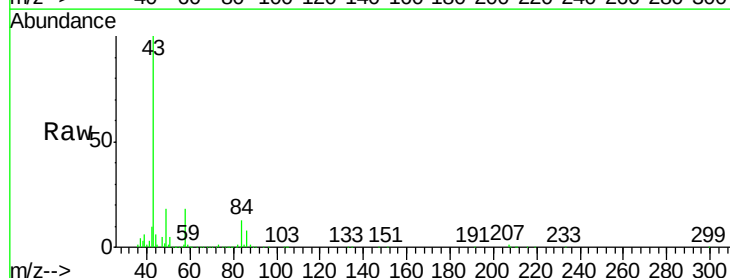
RT: 2.33 min Scan# 183

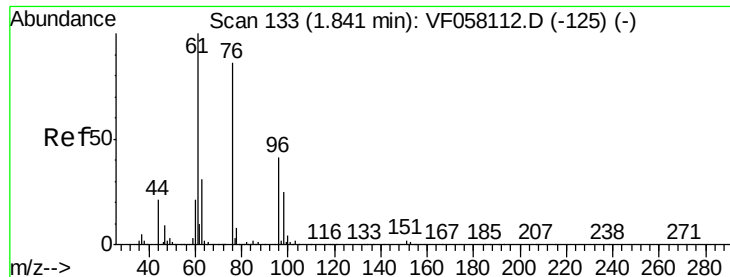
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion:	43	Resp:	245938
Ion	Ratio	Lower	Upper
43	100		
58	18.0	14.4	21.6





#17

Carbon Disulfide

Concen: 51.127 ug/l

RT: 1.84 min Scan# 133

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 326618

Ion Ratio Lower Upper

76 100

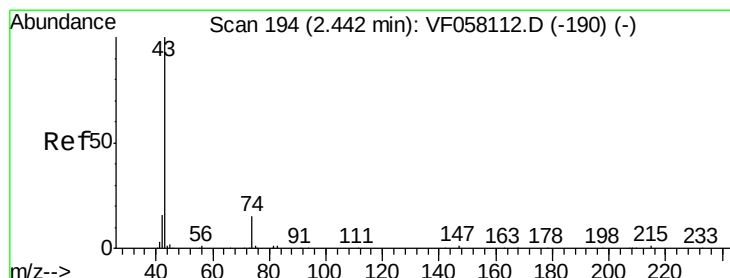
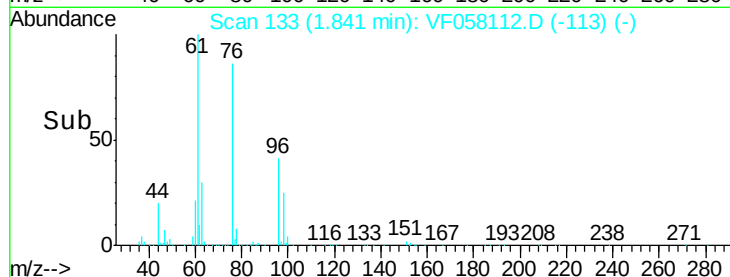
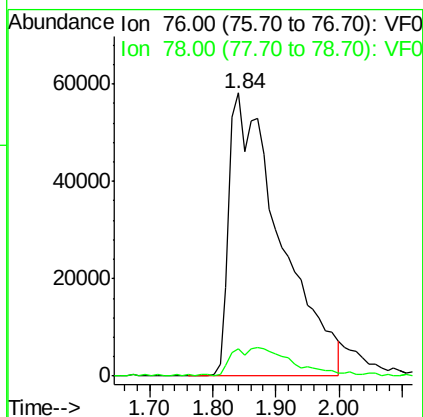
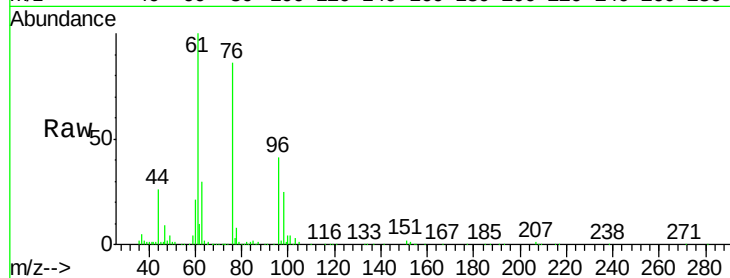
78 9.8 7.8 11.8

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:46 PM



#18

Methyl Acetate

Concen: 45.963 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF058112.D

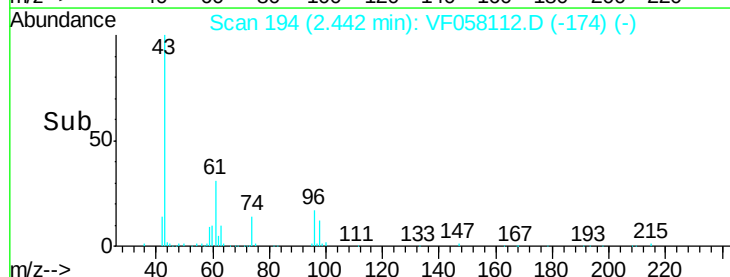
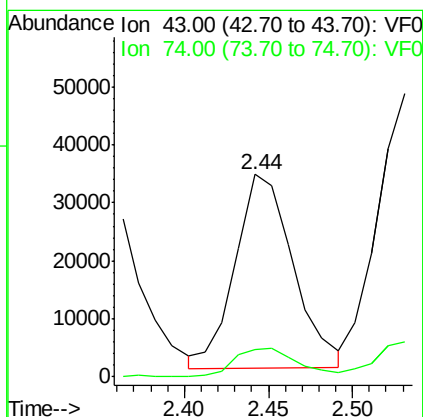
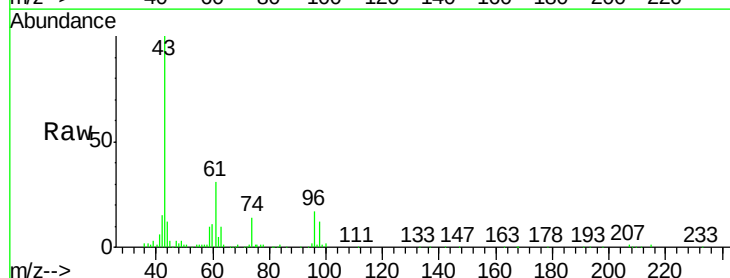
Acq: 6 Jun 2018 17:41

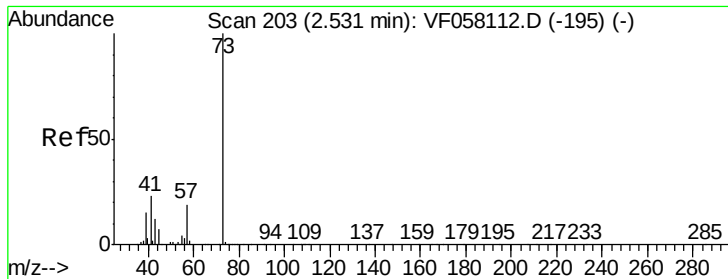
Tgt Ion: 43 Resp: 79807

Ion Ratio Lower Upper

43 100

74 13.6 10.9 16.3





#19

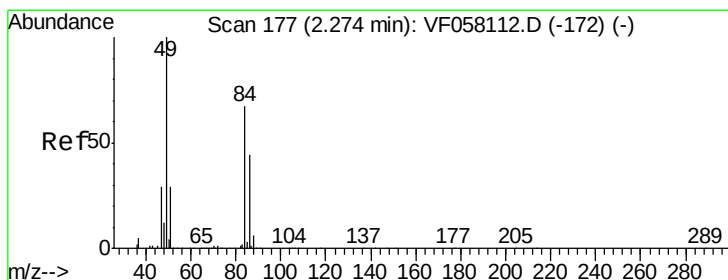
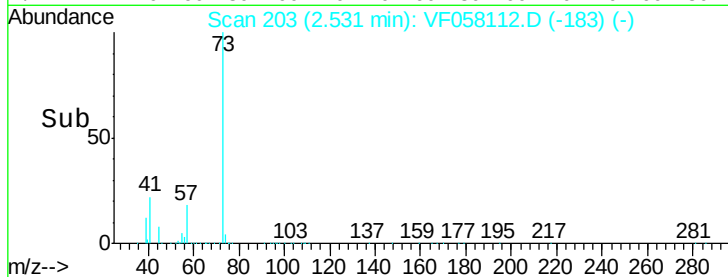
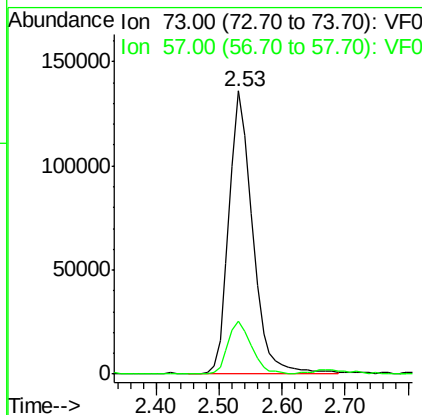
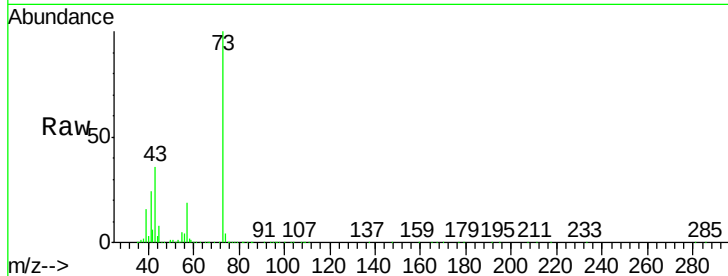
Methyl tert-butyl Ether
 Concen: 50.249 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.7	15.0	22.4

Manual Integrations
 APPROVED

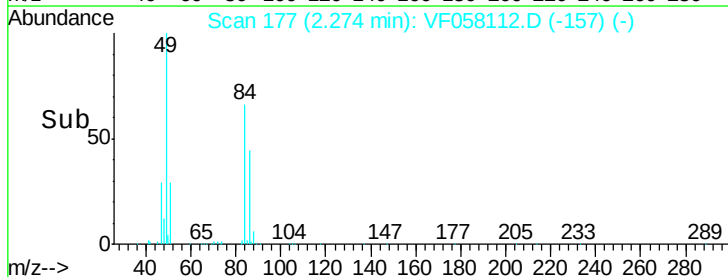
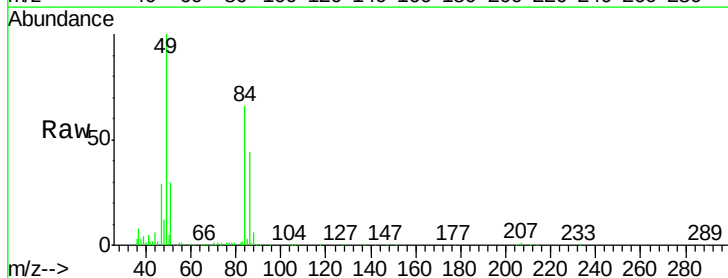
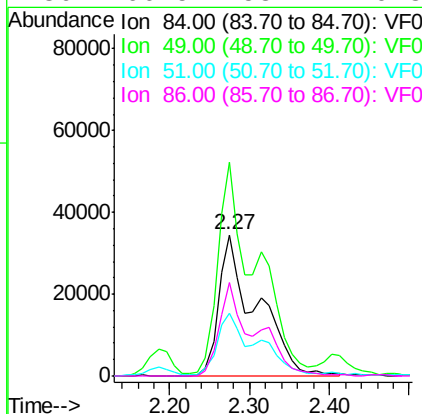
apatel
 6/7/2018 12:37:46 PM

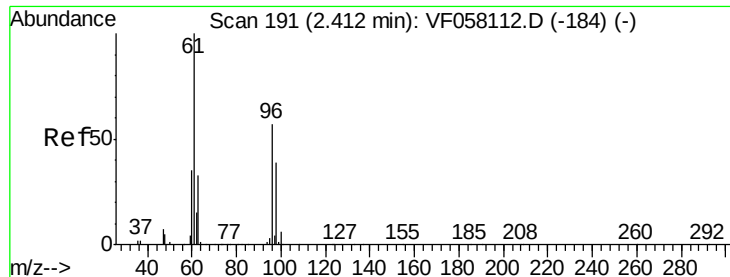


#20

Methylene Chloride
 Concen: 49.714 ug/l m
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.2	121.0	181.4
51	44.7	35.8	53.6
86	66.5	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 50.881 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

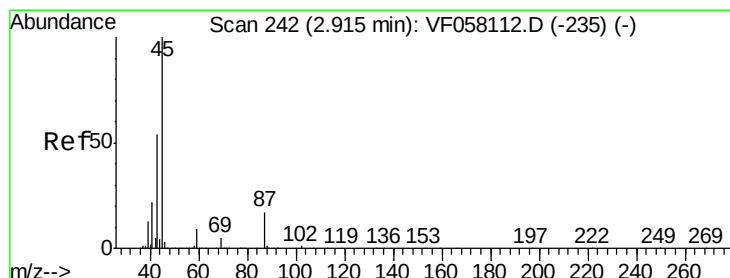
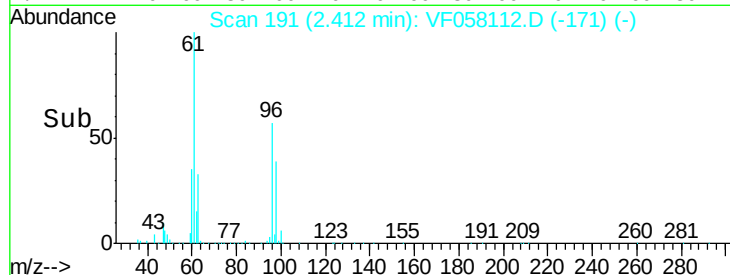
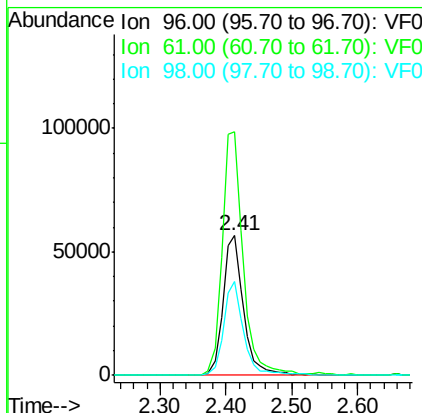
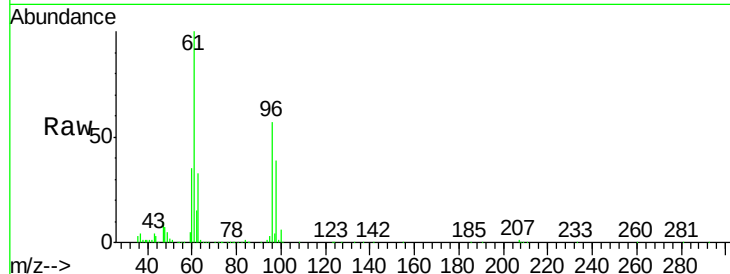
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	122271
Ion	Ratio	Lower	Upper
96	100		
61	174.3	139.4	209.2
98	67.5	54.0	81.0

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#22

Diisopropyl ether

Concen: 49.984 ug/l

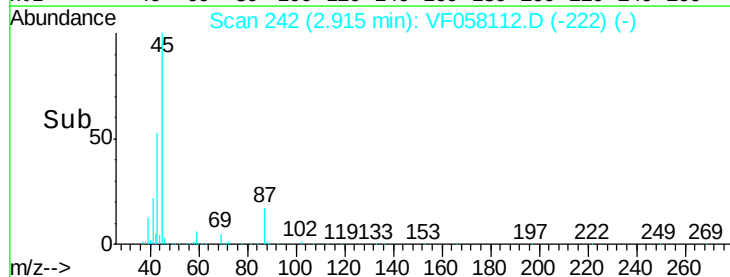
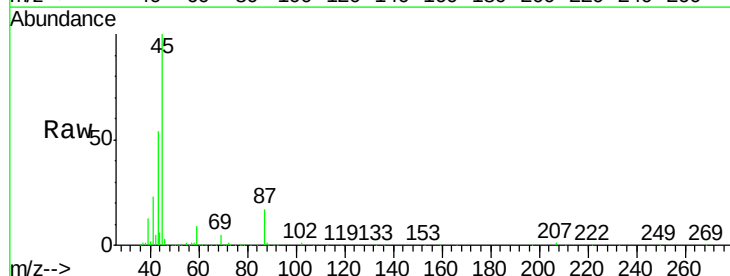
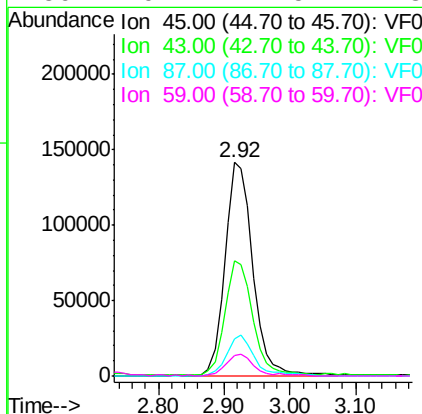
RT: 2.92 min Scan# 242

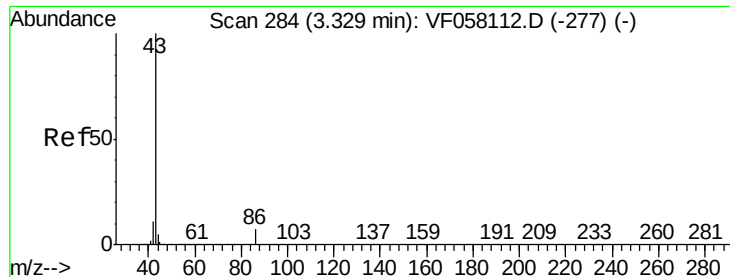
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion:	45	Resp:	416432
Ion	Ratio	Lower	Upper
45	100		
43	54.0	43.2	64.8
87	17.2	13.8	20.6
59	9.4	7.5	11.3





#23

Vinyl Acetate

Concen: 237.957 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1452554

Ion Ratio Lower Upper

43 100

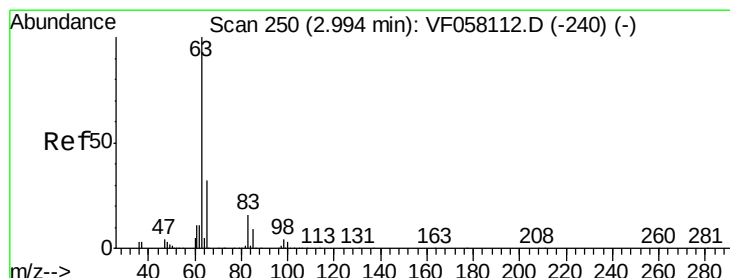
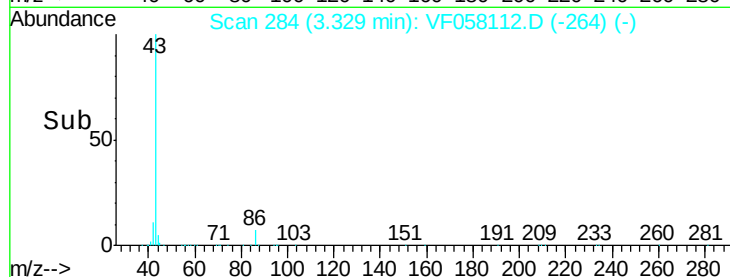
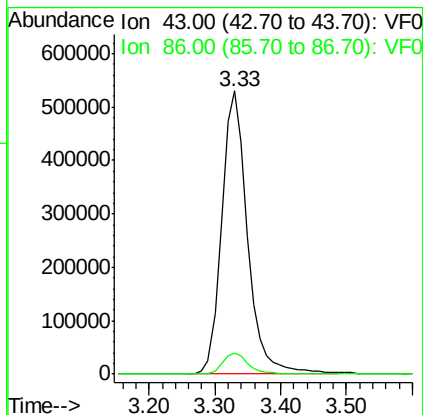
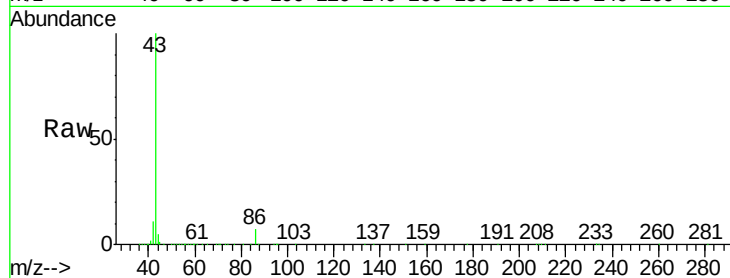
86 7.5 6.0 9.0

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:46 PM



#24

1,1-Dichloroethane

Concen: 49.338 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

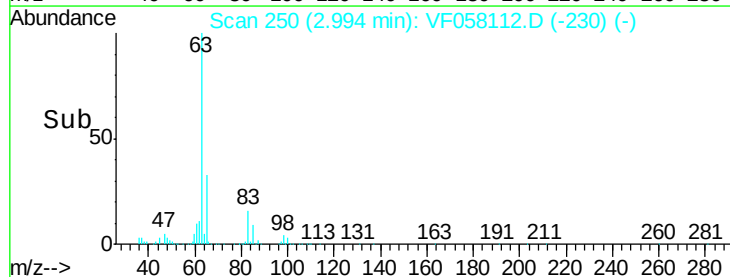
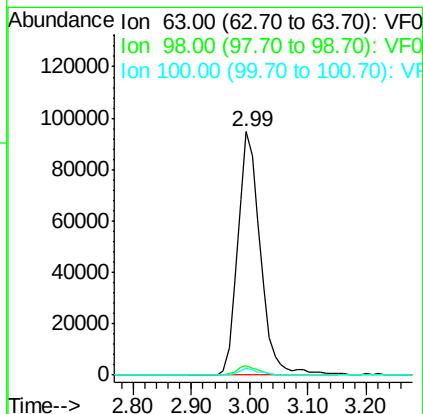
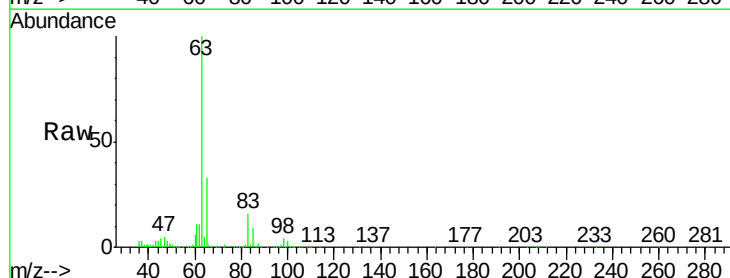
Tgt Ion: 63 Resp: 254621

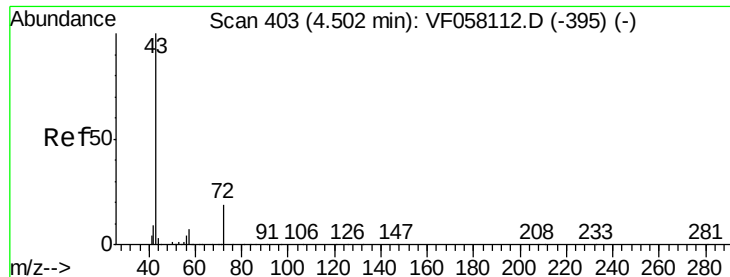
Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

100 2.7 1.4 4.0





#25

2-Butanone

Concen: 235.149 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 355144

Ion Ratio Lower Upper

43 100

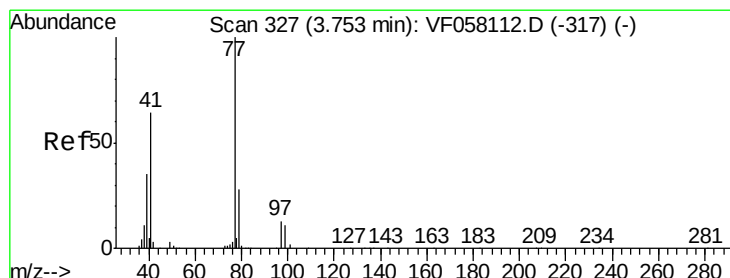
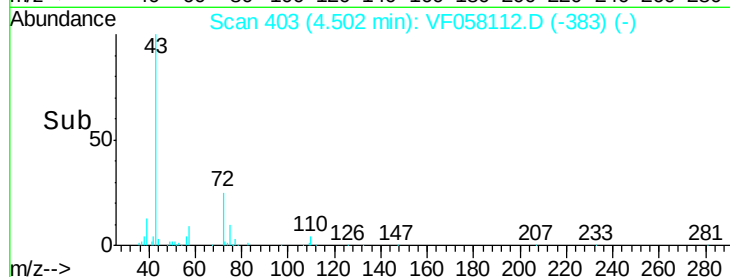
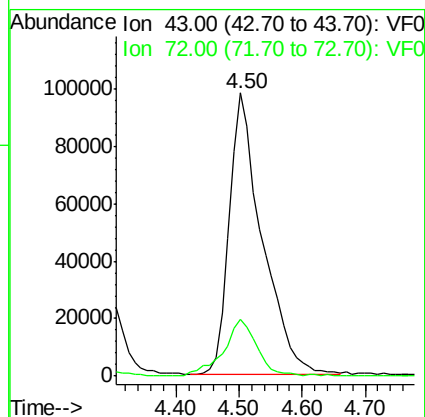
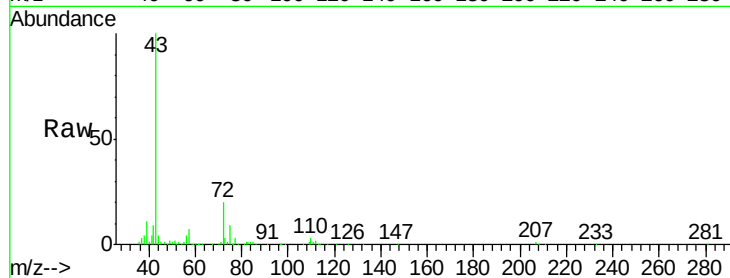
72 20.1 16.1 24.1

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:46 PM



#26

2,2-Dichloropropane

Concen: 52.021 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF058112.D

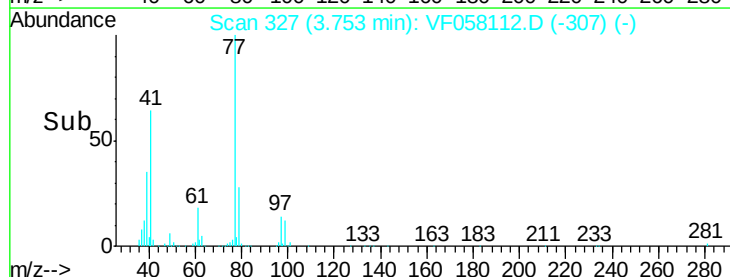
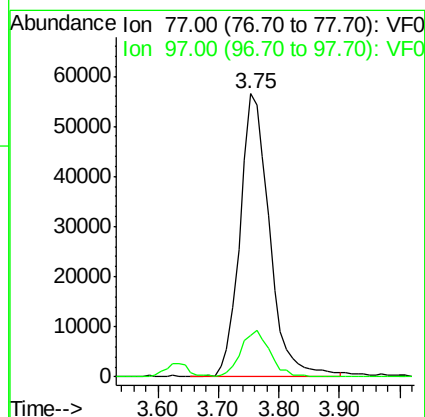
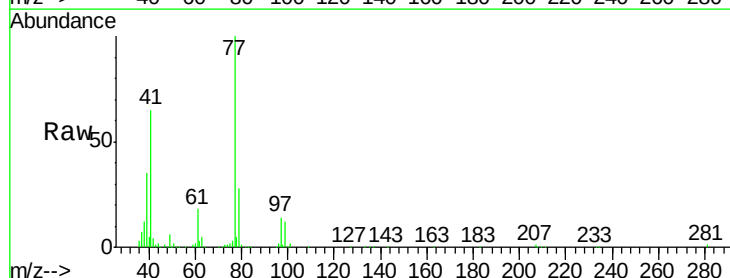
Acq: 6 Jun 2018 17:41

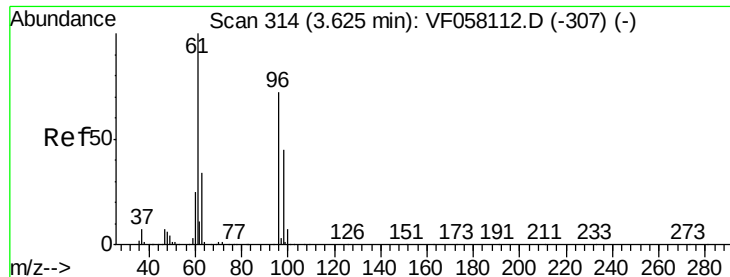
Tgt Ion: 77 Resp: 189739

Ion Ratio Lower Upper

77 100

97 14.4 7.2 21.6





#27

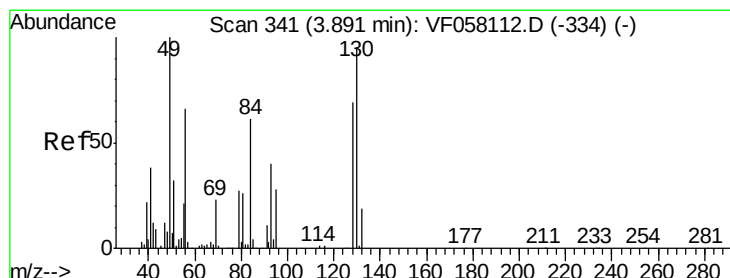
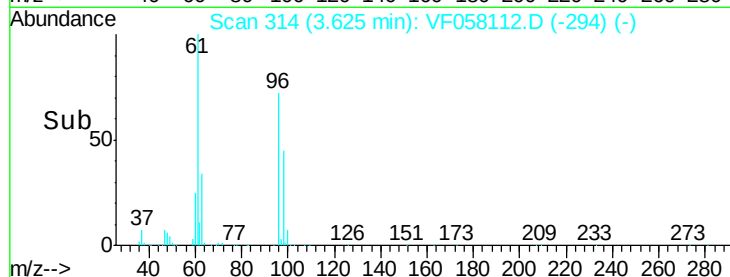
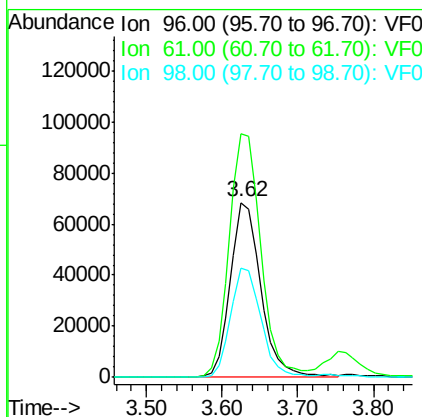
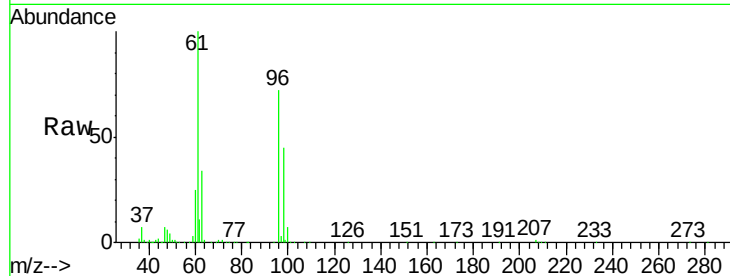
cis-1,2-Dichloroethene
Concen: 48.089 ug/l
RT: 3.62 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	192167		
61	139.3	0.0	278.6	
98	62.6	0.0	125.2	

Manual Integrations
APPROVED

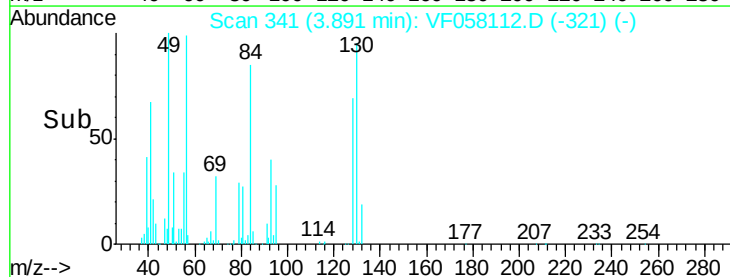
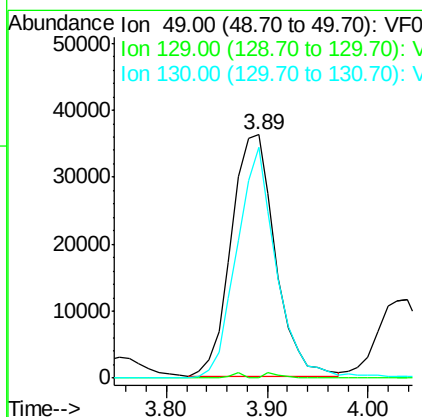
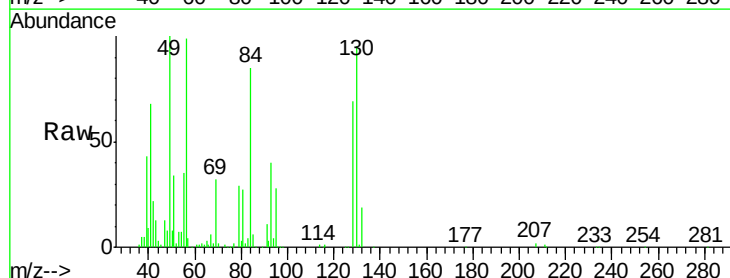
apatel
6/7/2018 12:37:46 PM

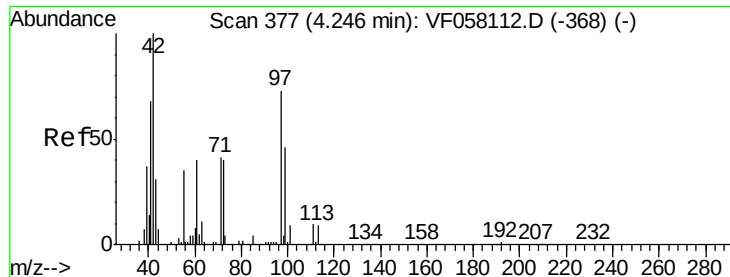


#28

Bromochloromethane
Concen: 48.258 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110025		
129	0.0	0.0	0.0	
130	94.8	75.8	113.8	





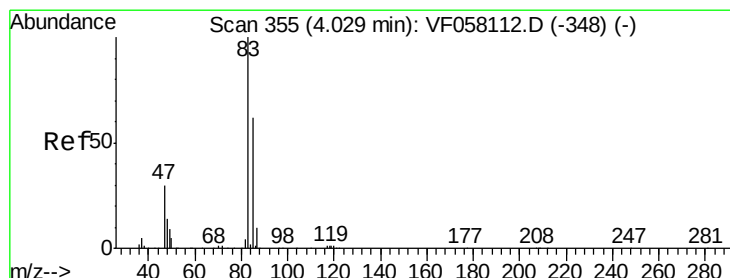
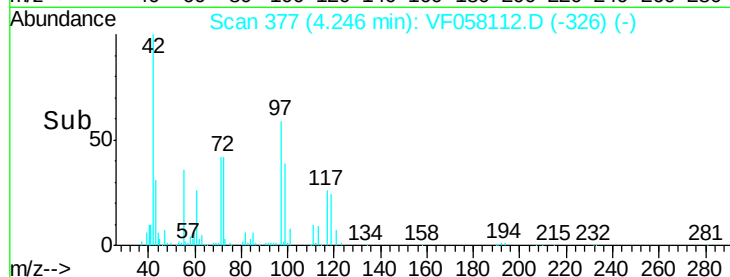
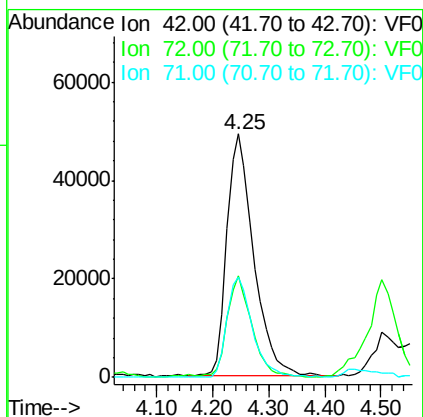
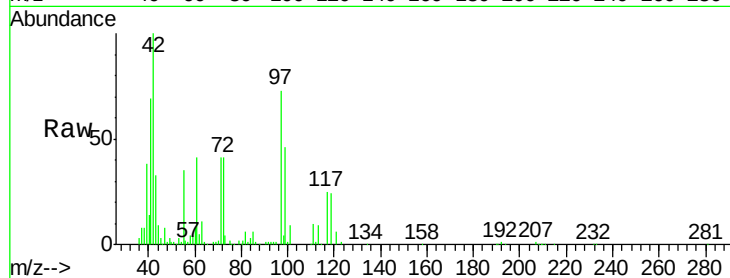
#29
Tetrahydrofuran
Concen: 234.862 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.5	45.7
71	39.4	31.5	47.3

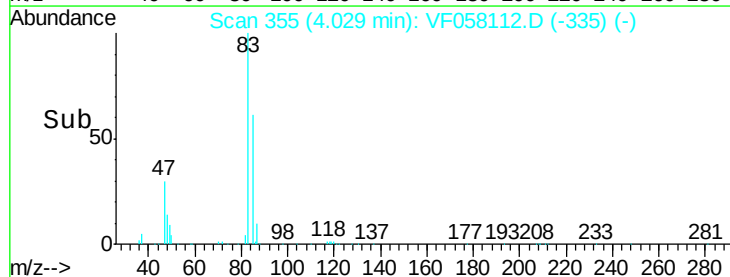
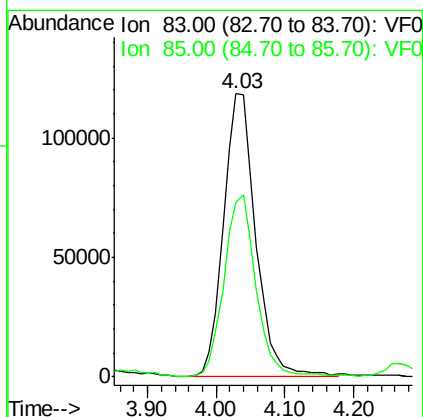
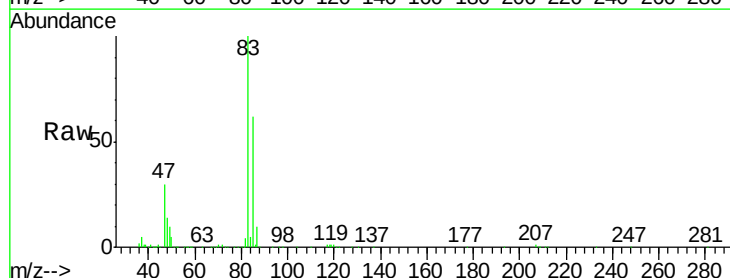
Manual Integrations
APPROVED

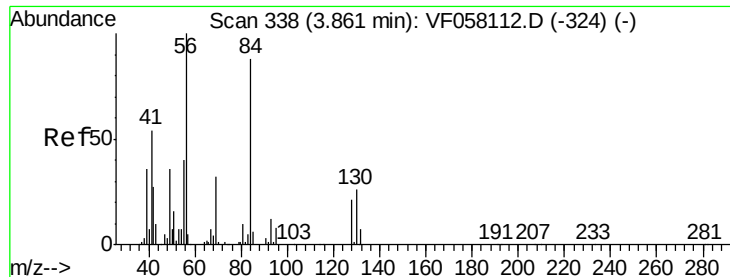
apatel
6/7/2018 12:37:46 PM



#30
Chloroform
Concen: 49.350 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.5	74.3





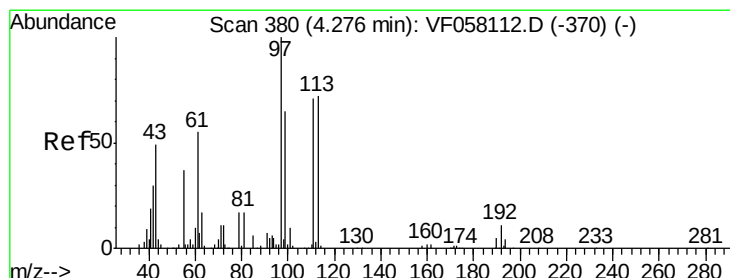
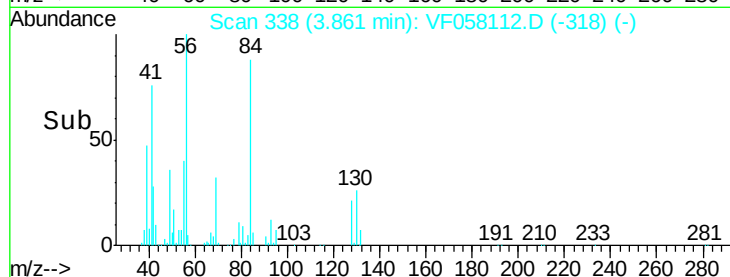
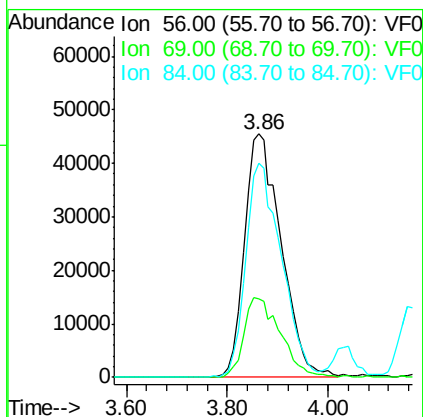
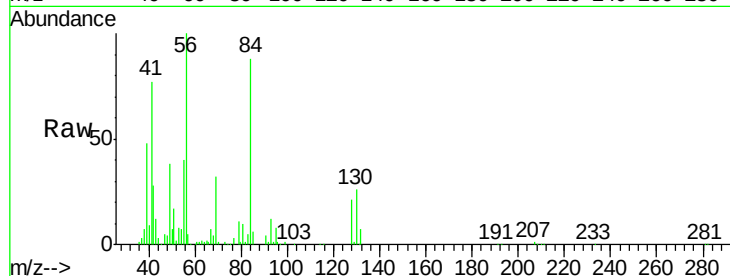
#31
Cyclohexane
Concen: 47.117 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.9	38.9
84	87.9	70.3	105.5

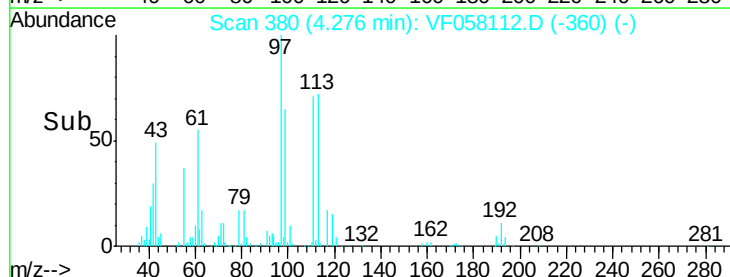
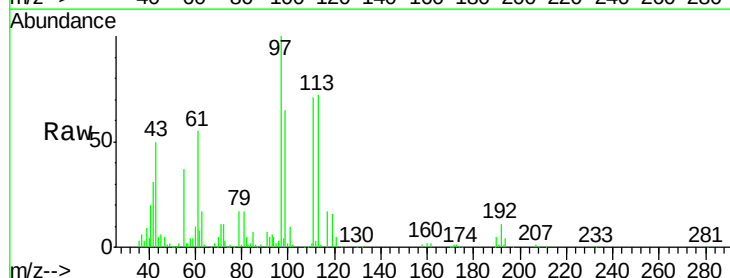
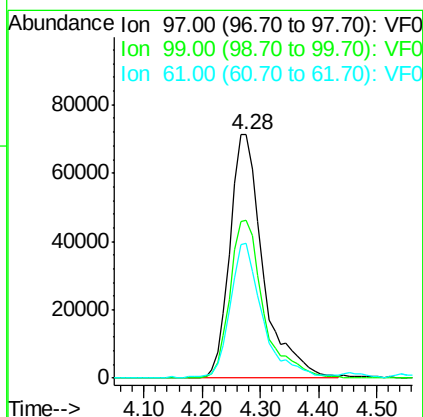
Manual Integrations
APPROVED

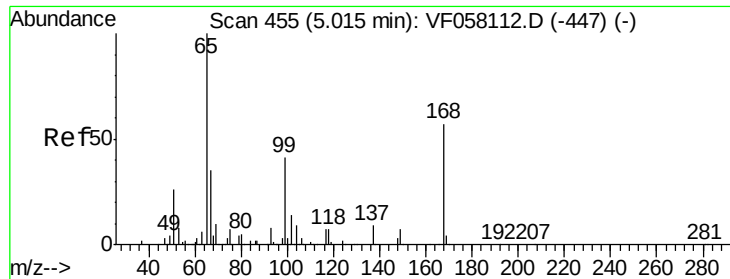
apatel
6/7/2018 12:37:46 PM



#32
1,1,1-Trichloroethane
Concen: 51.644 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	55.4	44.3	66.5





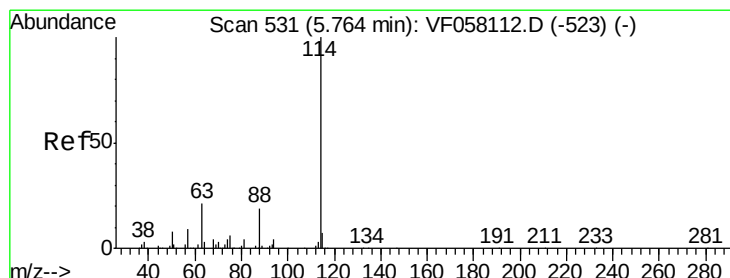
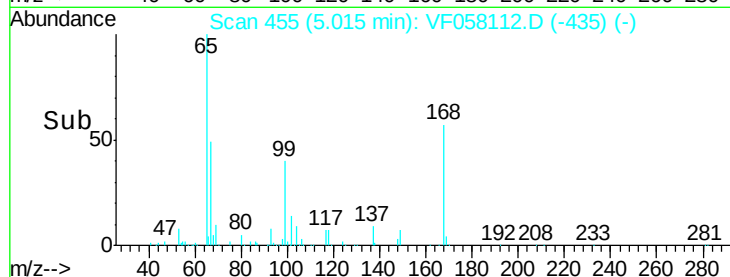
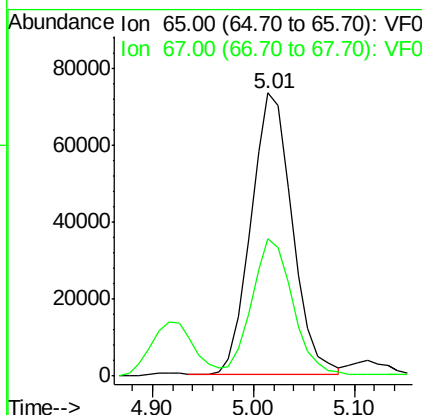
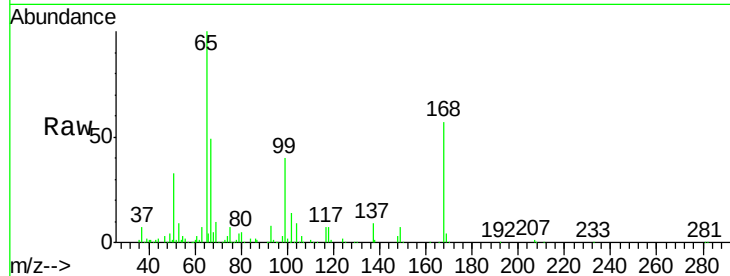
#33
 1,2-Dichloroethane-d4
 Concen: 48.984 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 208317
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 97.0

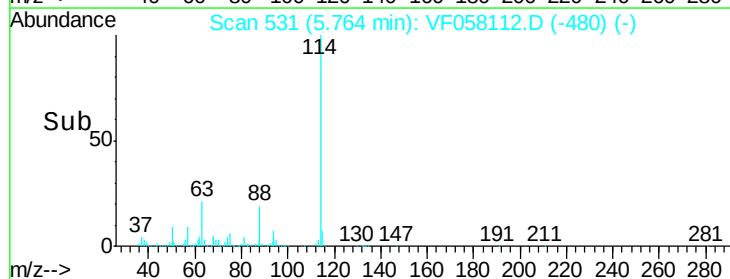
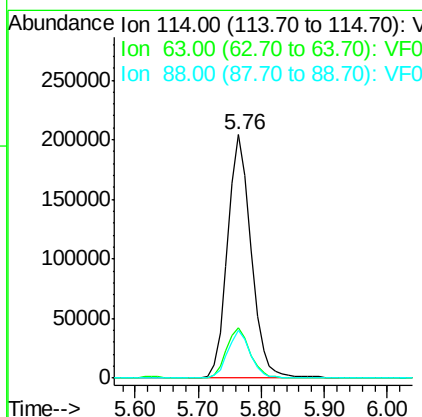
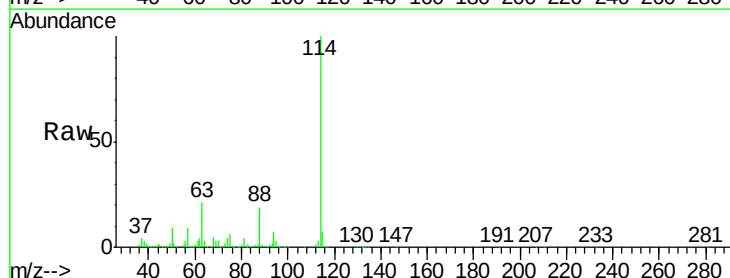
Manual Integrations
 APPROVED

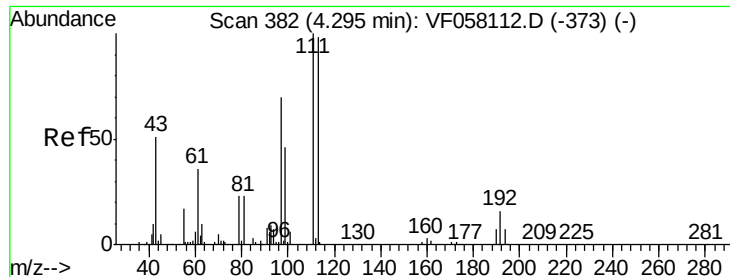
apatel
 6/7/2018 12:37:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion: 114 Resp: 528142
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.6
 88 19.4 0.0 38.8





#35

Dibromofluoromethane

Concen: 51.497 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

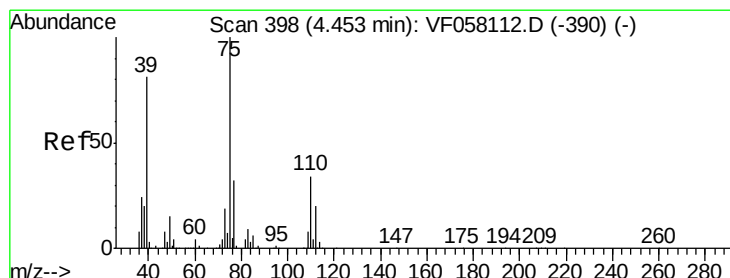
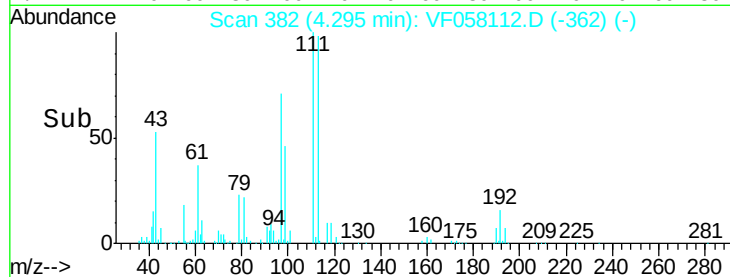
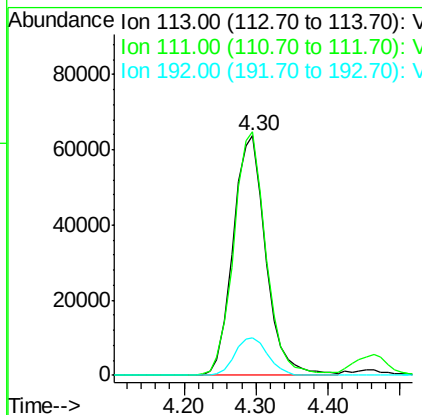
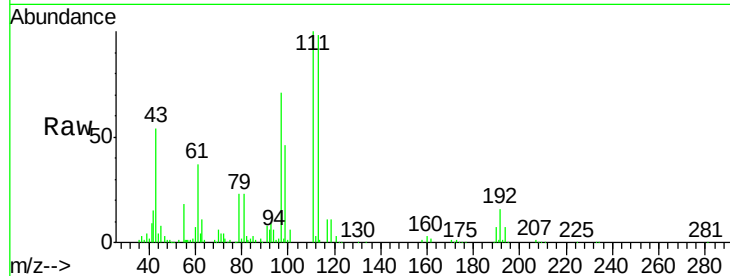
ClientSampleId :

VSTDICCC050

Tgt Ion:	113	Resp:	201721
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.3	121.9
192	15.9	12.7	19.1

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#36

1,1-Dichloropropene

Concen: 51.018 ug/l

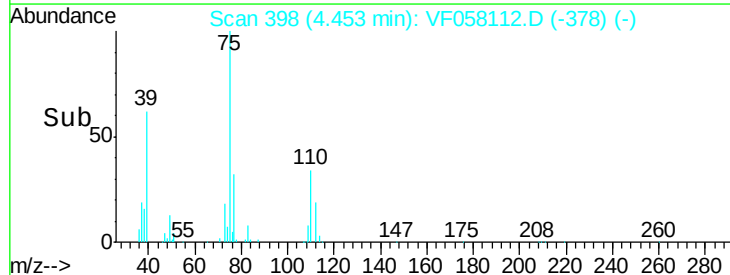
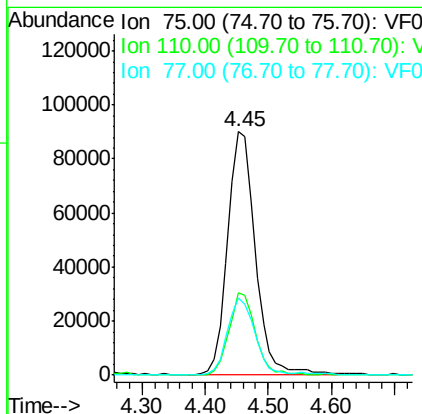
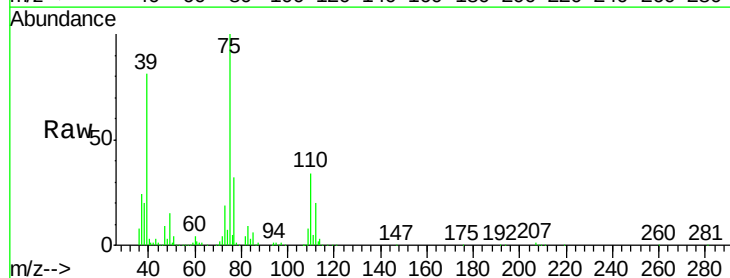
RT: 4.45 min Scan# 398

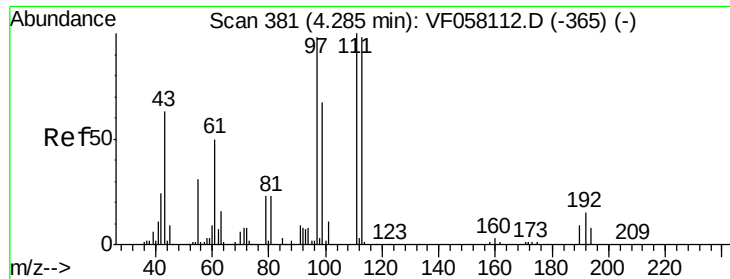
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion:	75	Resp:	272514
Ion Ratio	Lower	Upper	
75	100		
110	33.9	17.0	50.9
77	31.6	25.3	37.9





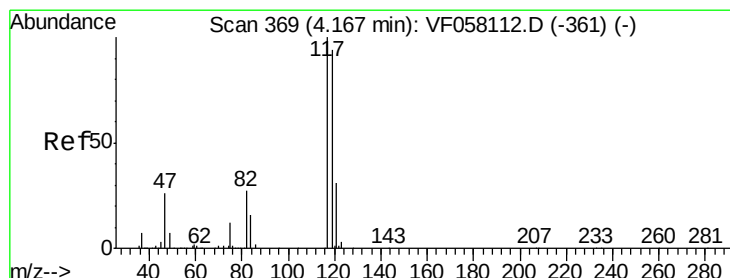
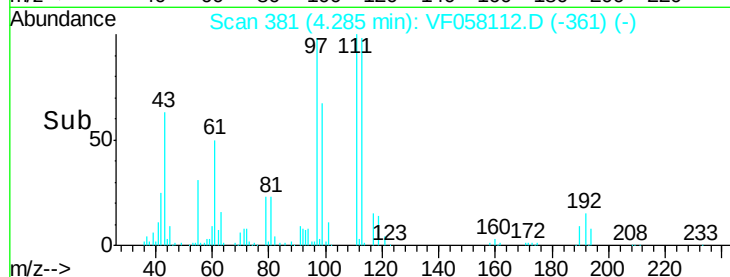
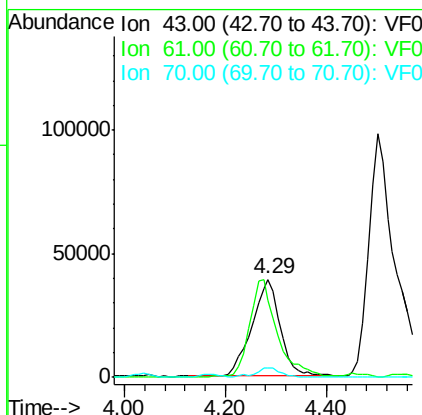
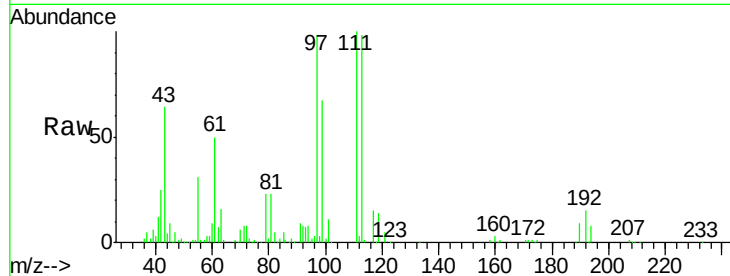
#37
Ethyl Acetate
Concen: 48.869 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	78.7	63.0	94.4
70	9.4	7.5	11.3

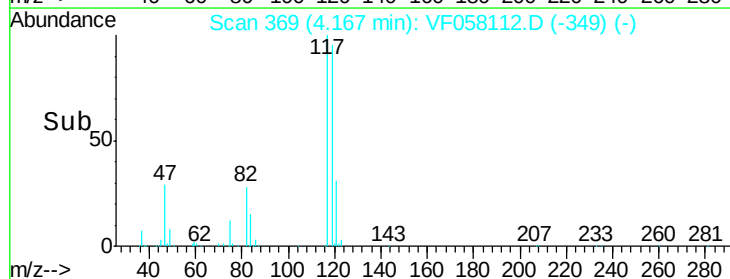
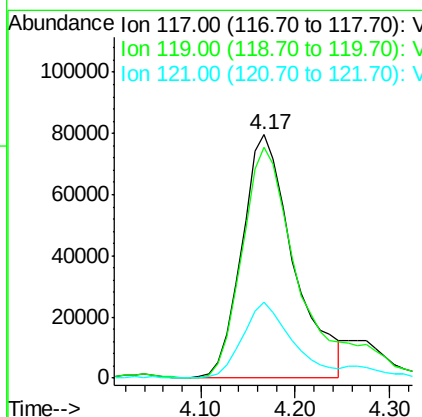
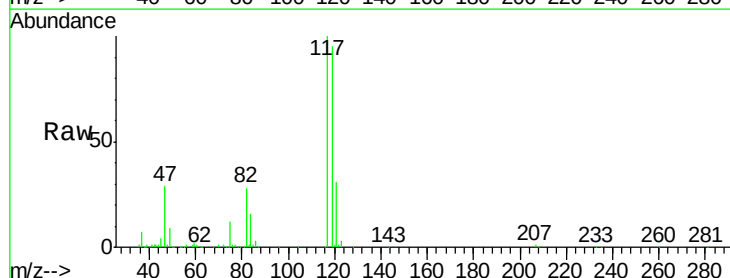
Manual Integrations
APPROVED

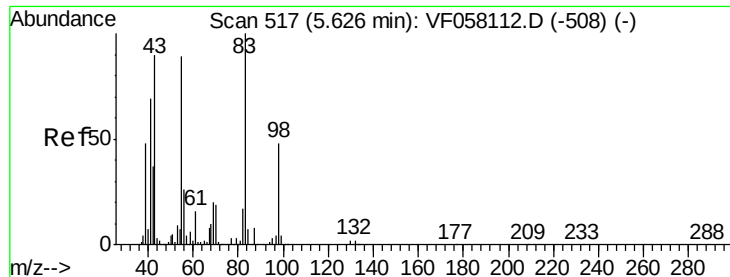
apatel
6/7/2018 12:37:46 PM



#38
Carbon Tetrachloride
Concen: 53.489 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.7	113.5
121	31.0	24.8	37.2





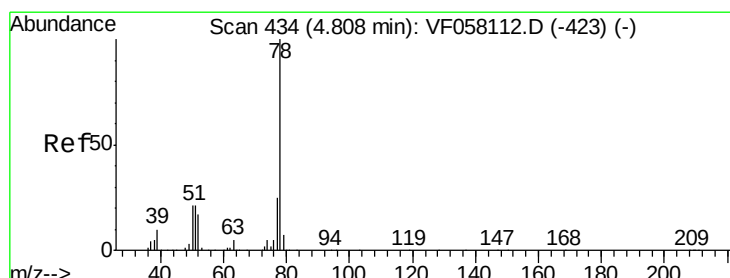
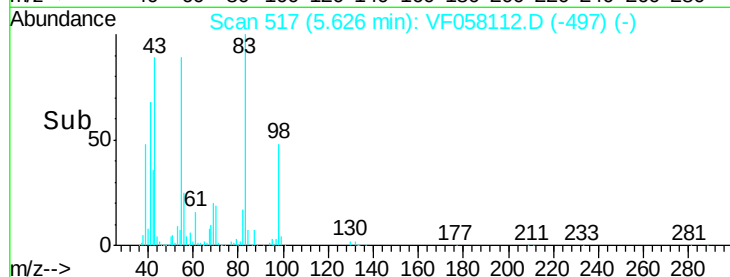
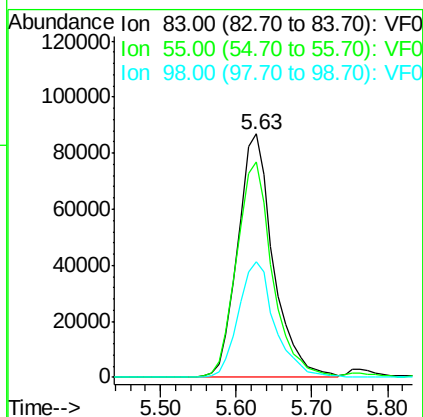
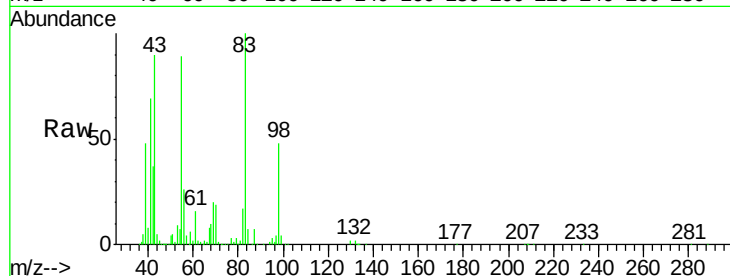
#39
Methylcyclohexane
Concen: 51.224 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.7	71.0	106.4
98	47.6	38.1	57.1

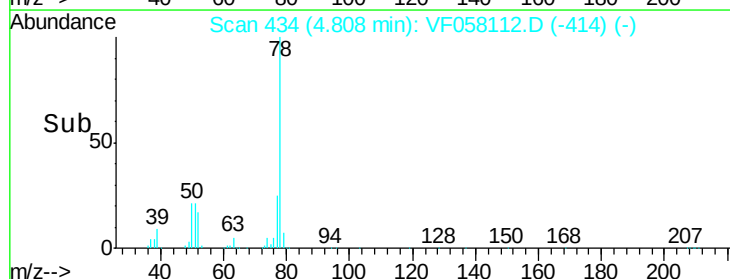
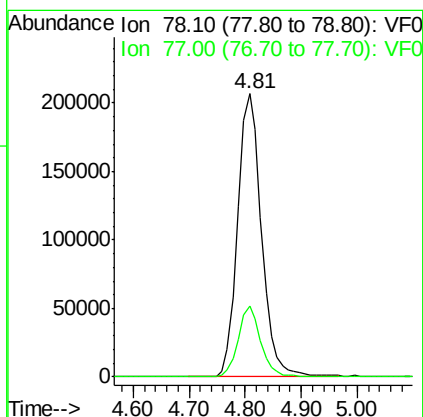
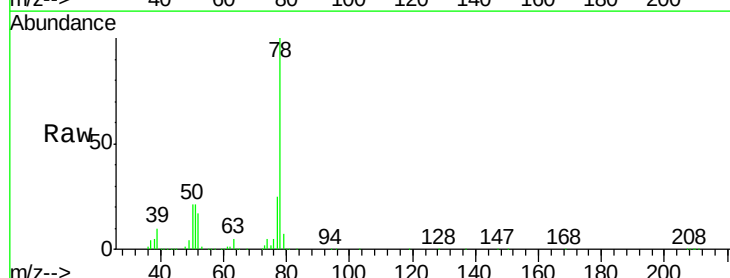
Manual Integrations
APPROVED

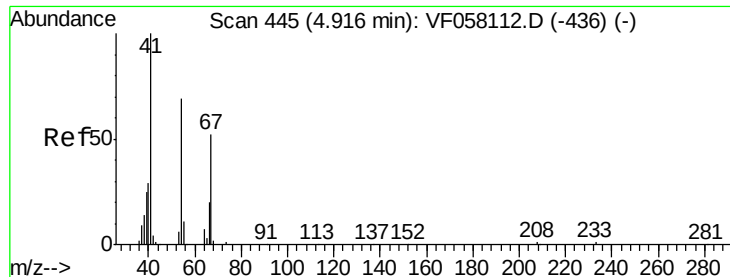
apatel
6/7/2018 12:37:46 PM



#40
Benzene
Concen: 48.817 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	20.2	30.2





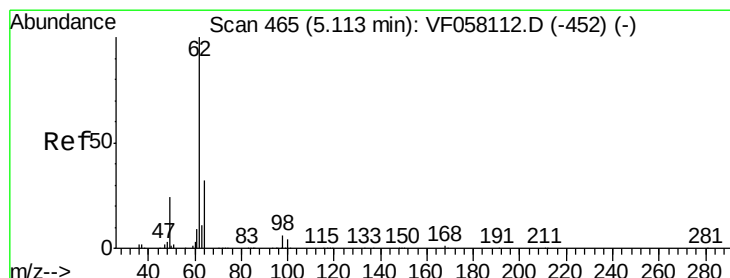
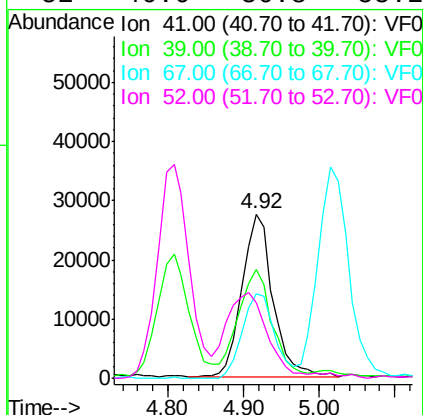
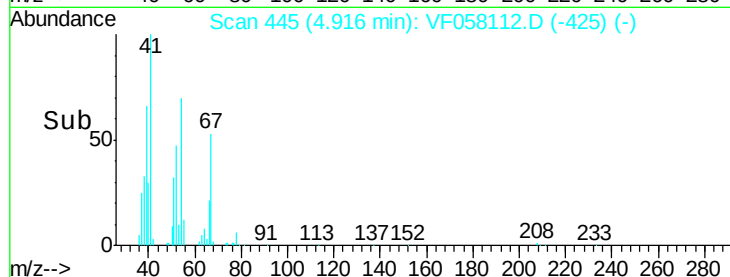
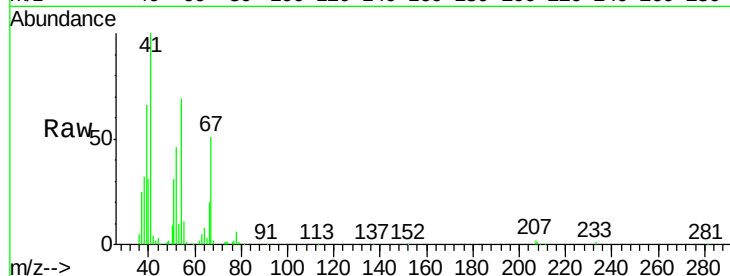
#41
Methacrylonitrile
Concen: 49.298 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.2	53.0	79.4
67	51.3	41.0	61.6
52	46.0	36.8	55.2

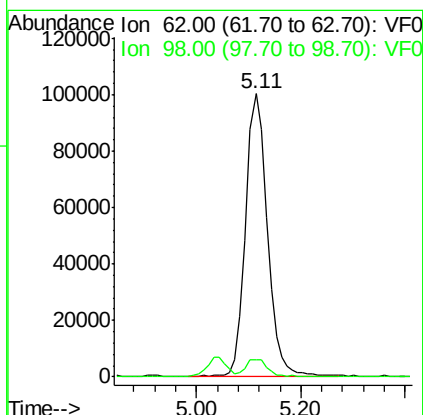
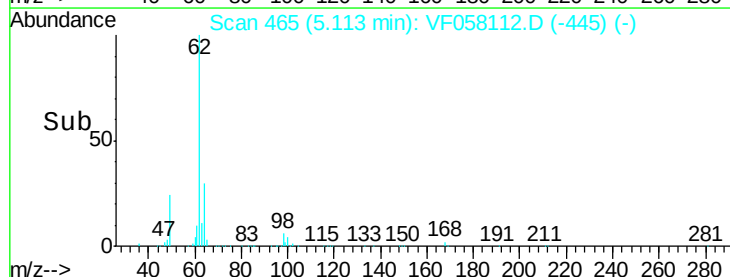
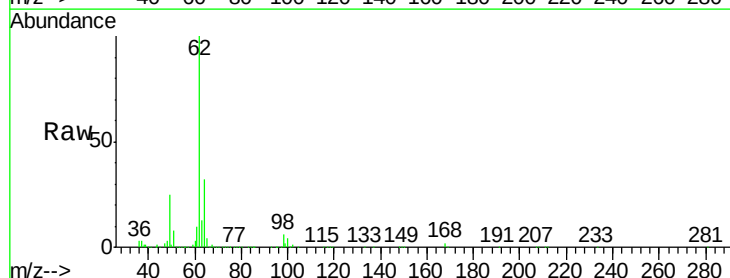
Manual Integrations
APPROVED

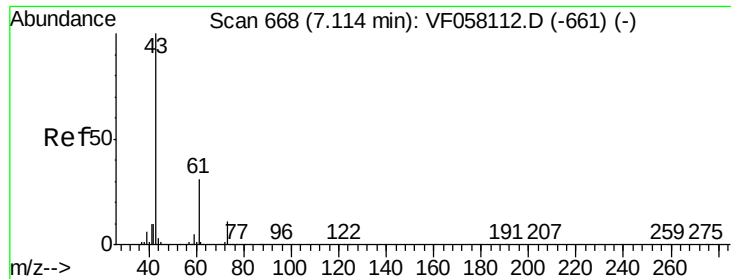
apatel
6/7/2018 12:37:46 PM



#42
1,2-Dichloroethane
Concen: 52.774 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	11.8





#43

Isopropyl Acetate

Concen: 47.857 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

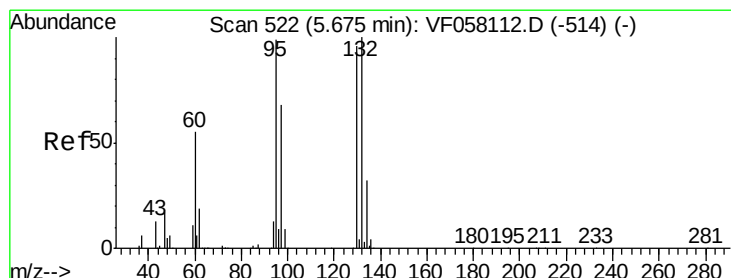
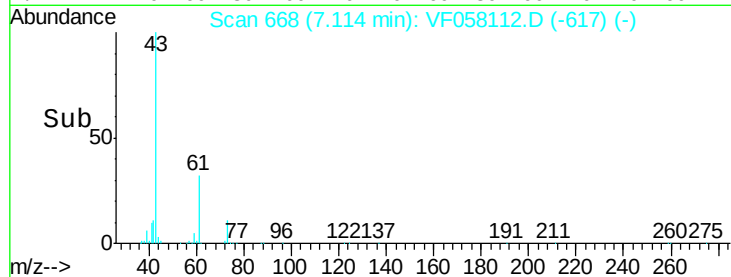
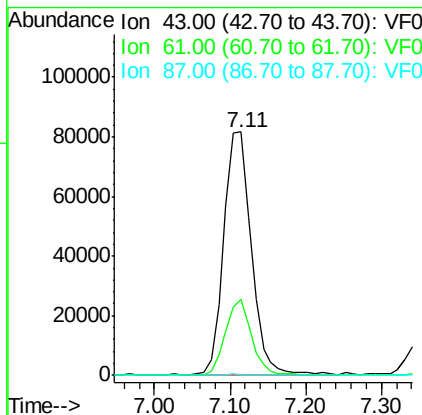
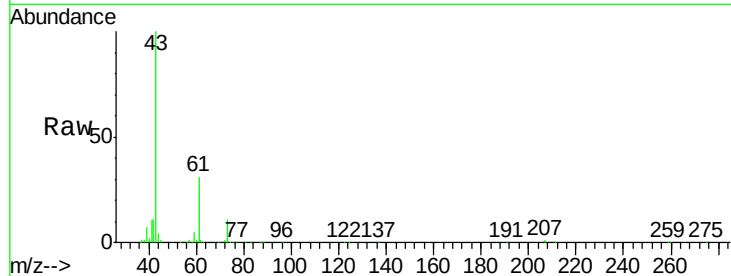
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	204359
Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.1	37.7
87	0.3	0.2	0.4

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#44

Trichloroethene

Concen: 48.472 ug/l

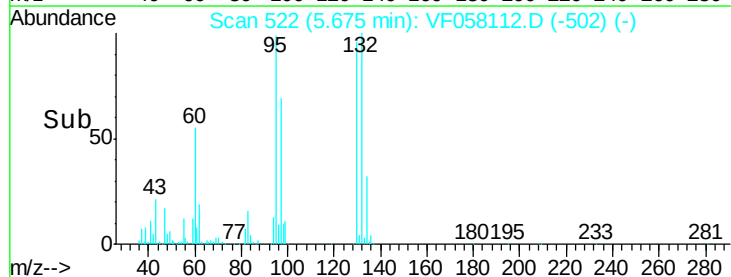
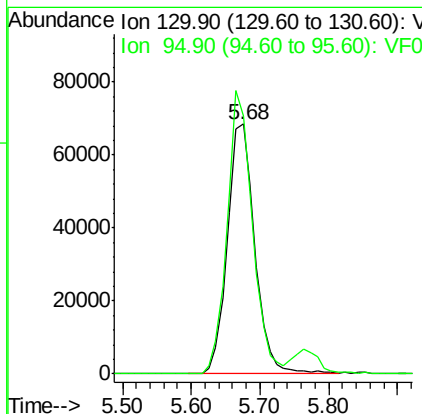
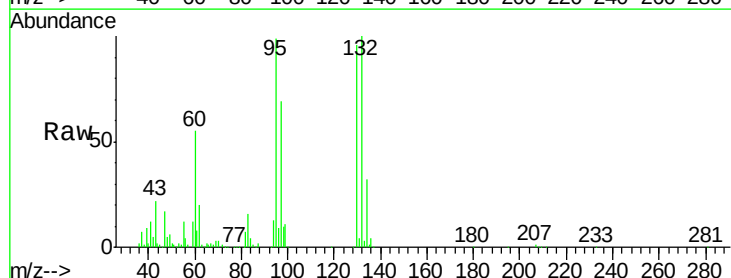
RT: 5.68 min Scan# 522

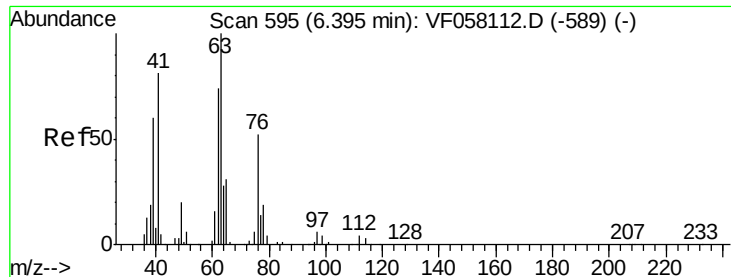
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion:	130	Resp:	188808
Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	206.8





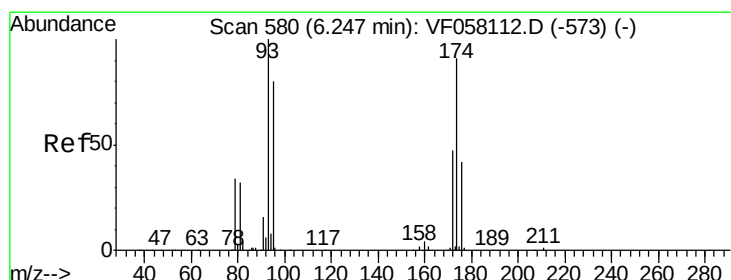
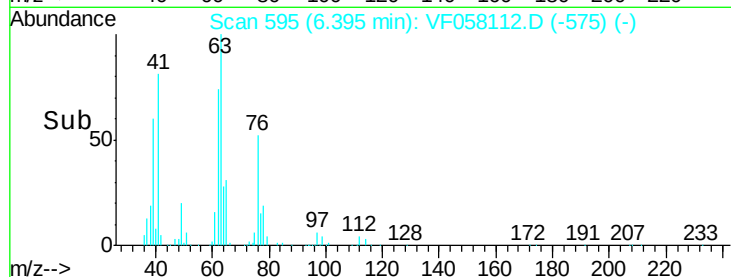
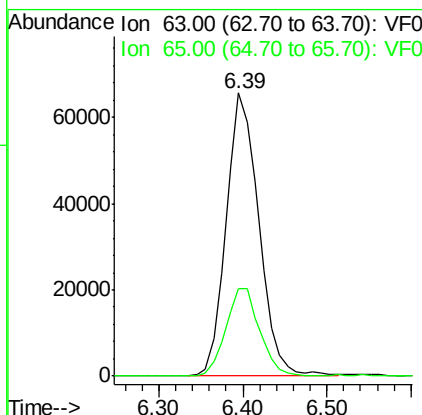
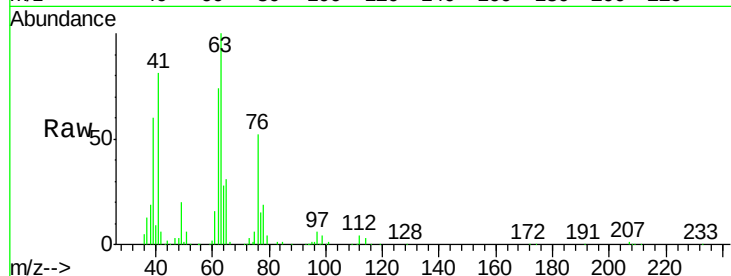
#45
 1,2-Dichloropropane
 Concen: 48.684 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 176994
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0

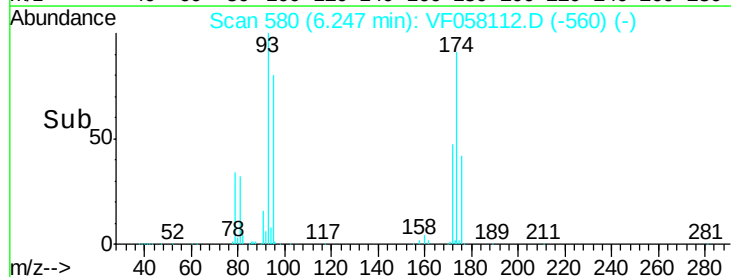
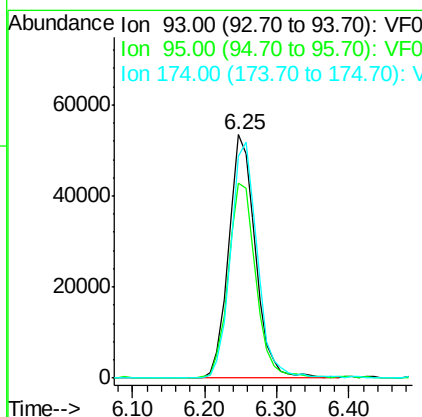
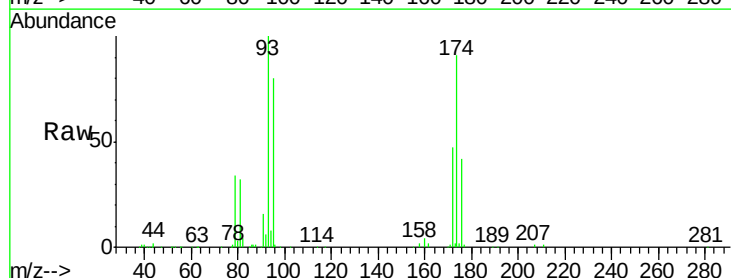
Manual Integrations
 APPROVED

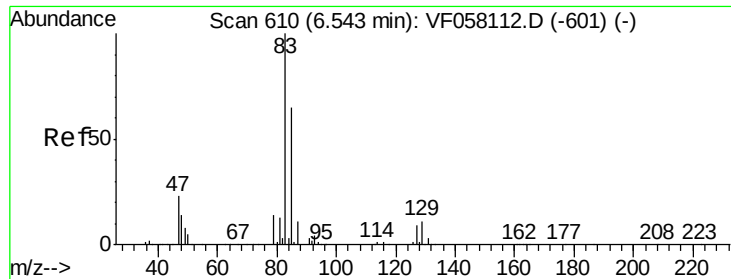
apatel
 6/7/2018 12:37:46 PM



#46
 Dibromomethane
 Concen: 50.395 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion: 93 Resp: 138301
 Ion Ratio Lower Upper
 93 100
 95 80.3 64.2 96.4
 174 90.9 72.7 109.1





#47

Bromodichloromethane

Concen: 51.661 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

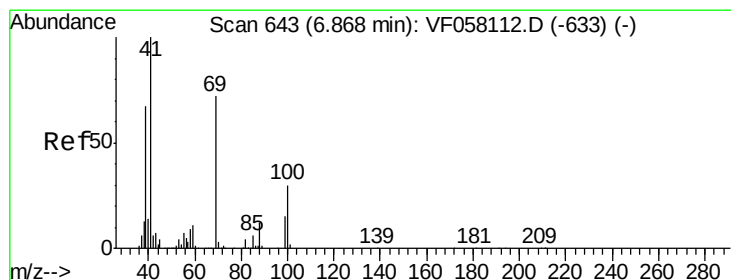
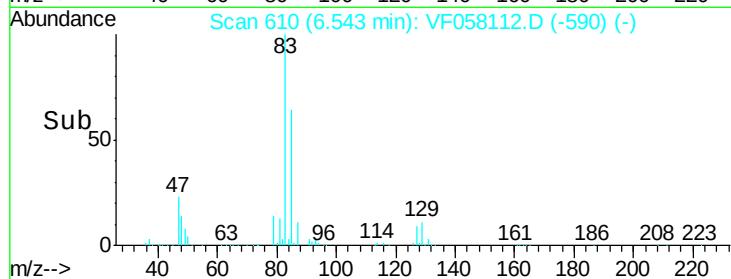
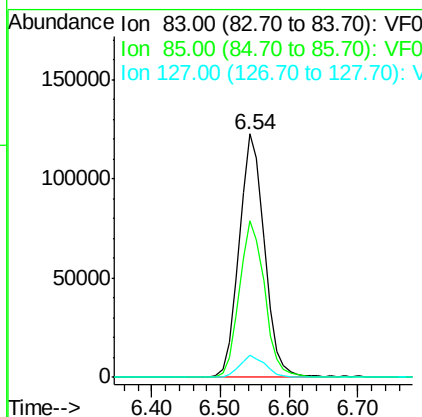
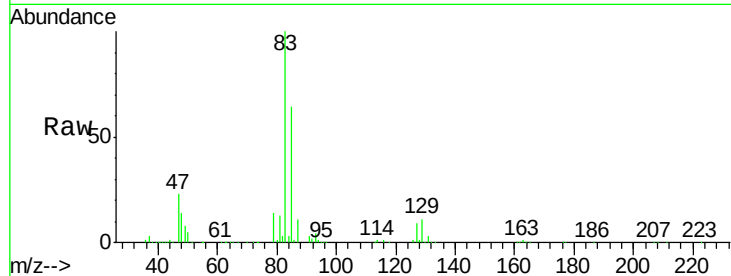
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	312811
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	9.0	7.2	10.8

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#48

Methyl methacrylate

Concen: 50.481 ug/l

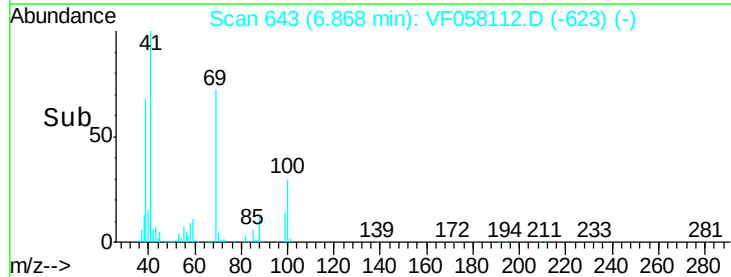
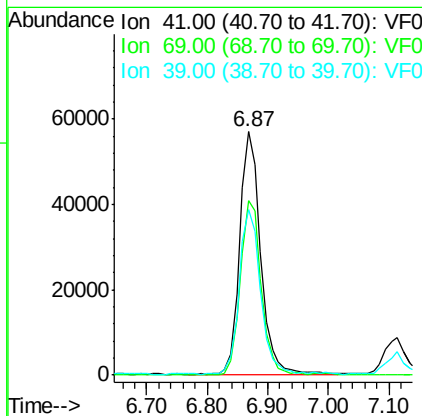
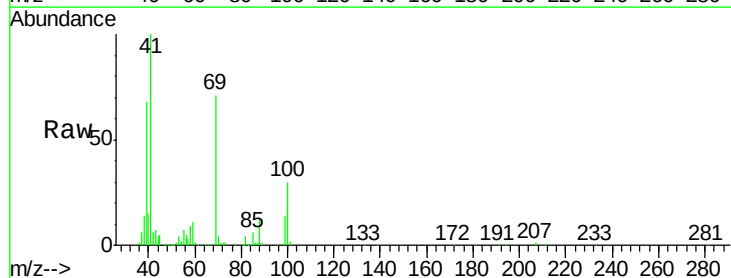
RT: 6.87 min Scan# 643

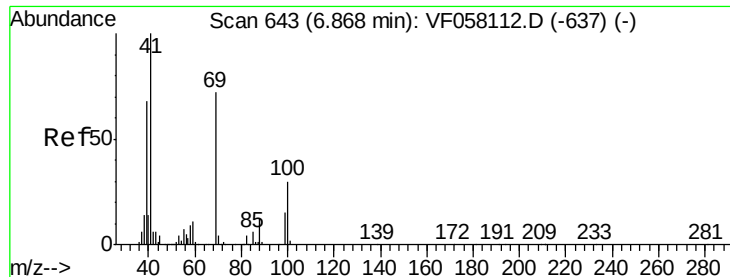
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion:	41	Resp:	136254
Ion	Ratio	Lower	Upper
41	100		
69	71.5	57.2	85.8
39	67.9	54.3	81.5





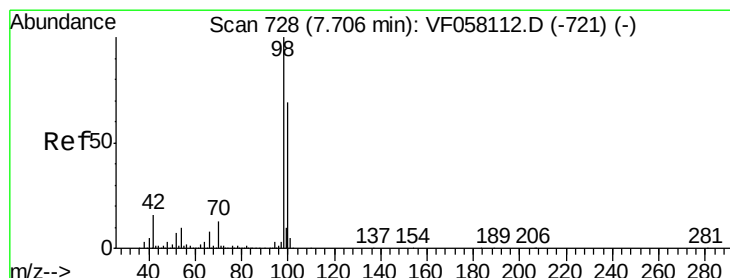
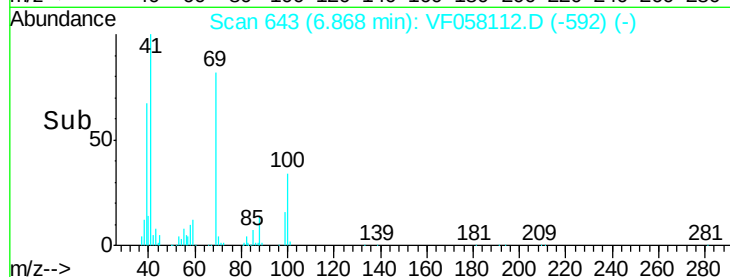
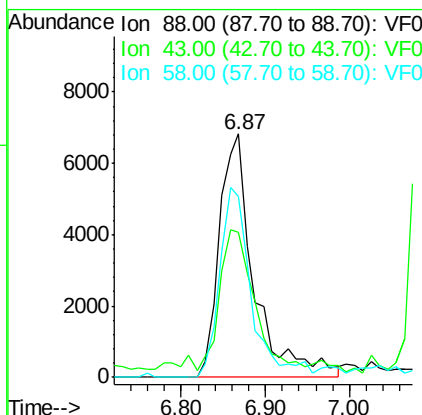
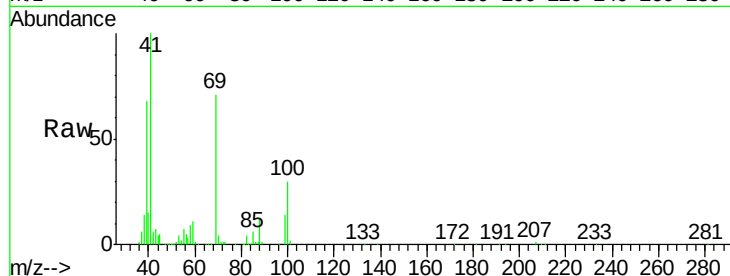
#49
1,4-Dioxane
Concen: 1047.735 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	59.8	47.8	71.8
58	74.2	59.4	89.0

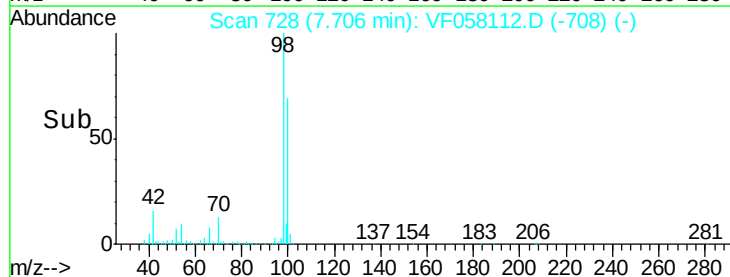
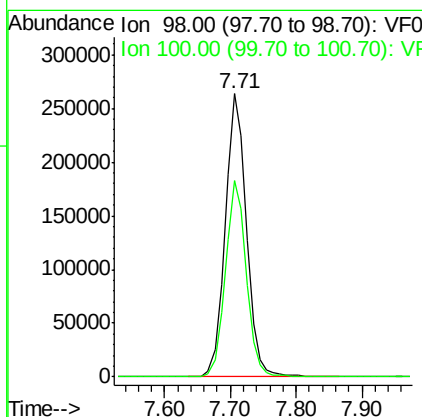
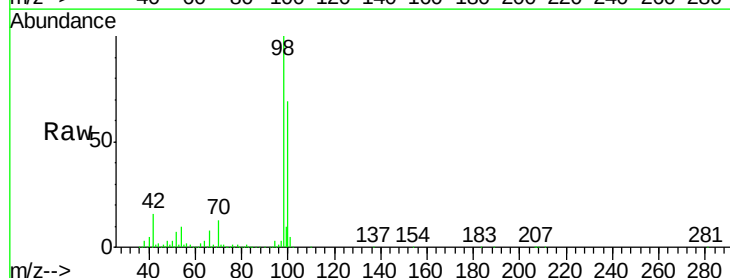
Manual Integrations
APPROVED

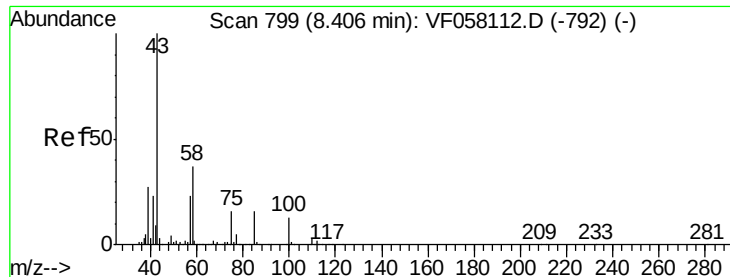
apatel
6/7/2018 12:37:46 PM



#50
Toluene-d8
Concen: 51.363 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.5	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 238.014 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 705541

Ion Ratio Lower Upper

43 100

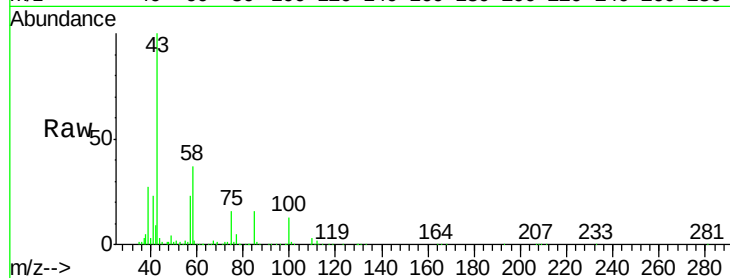
58 36.7 29.4 44.0

Manual Integrations

APPROVED

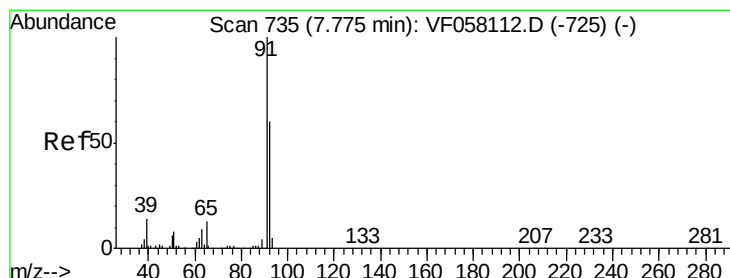
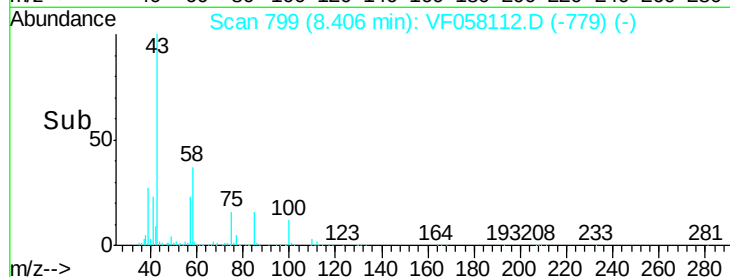
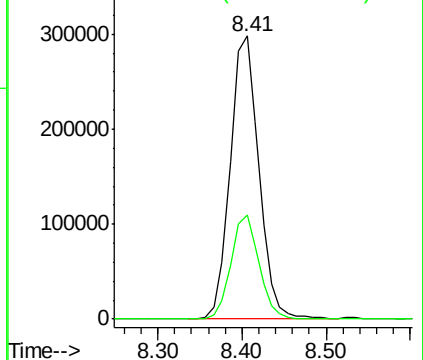
apatel

6/7/2018 12:37:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.410 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF058112.D

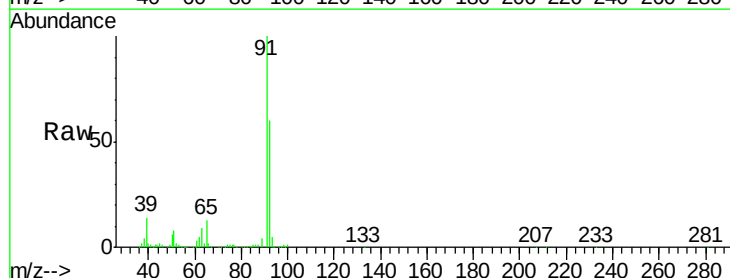
Acq: 6 Jun 2018 17:41

Tgt Ion: 92 Resp: 438740

Ion Ratio Lower Upper

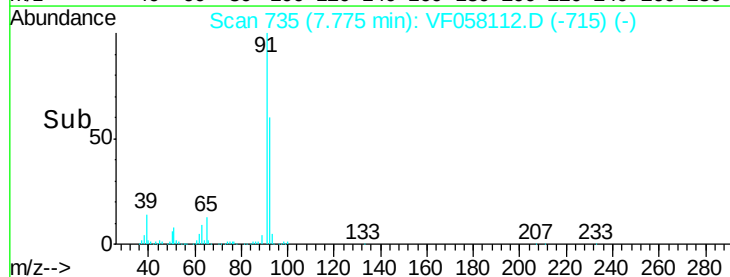
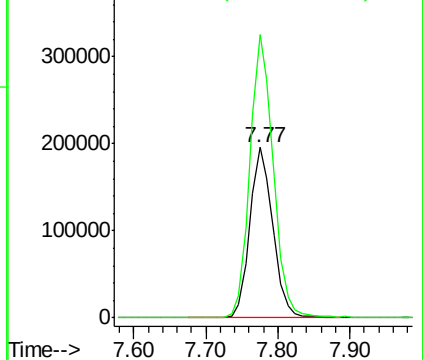
92 100

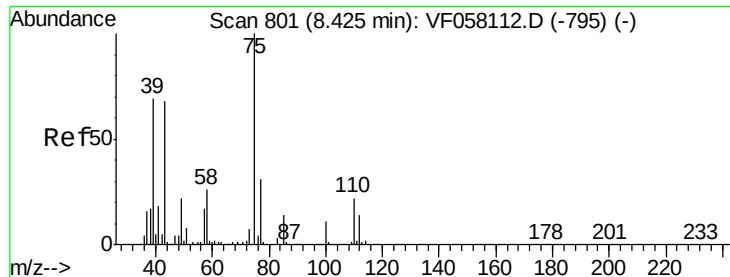
91 166.1 132.9 199.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.744 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 276197

Ion Ratio Lower Upper

75 100

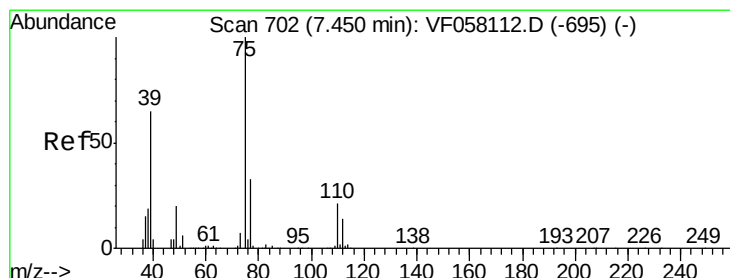
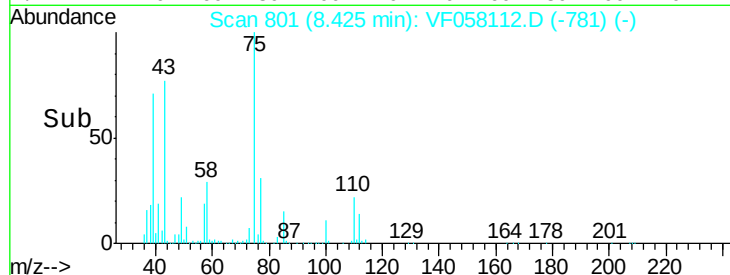
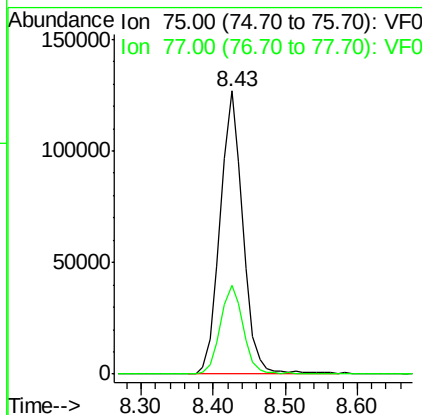
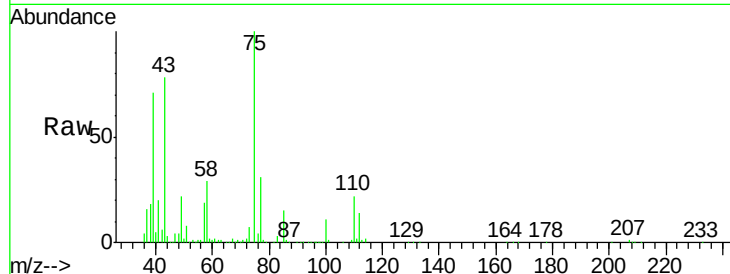
77 31.4 25.1 37.7

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:46 PM



#54

cis-1,3-Dichloropropene

Concen: 50.856 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

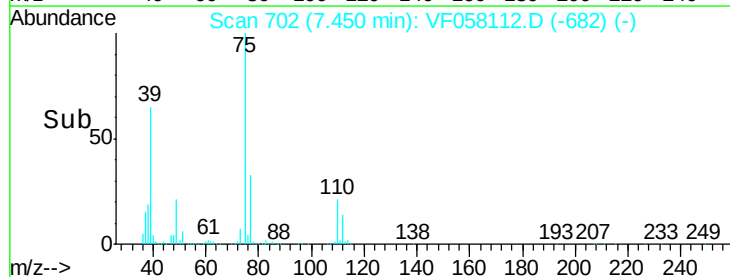
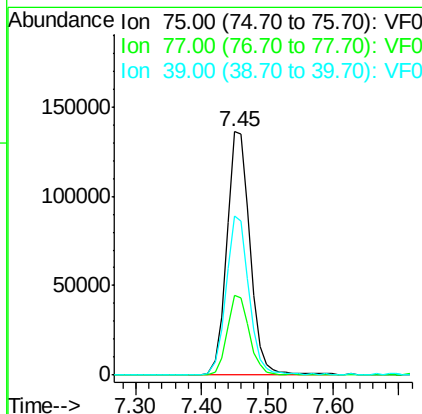
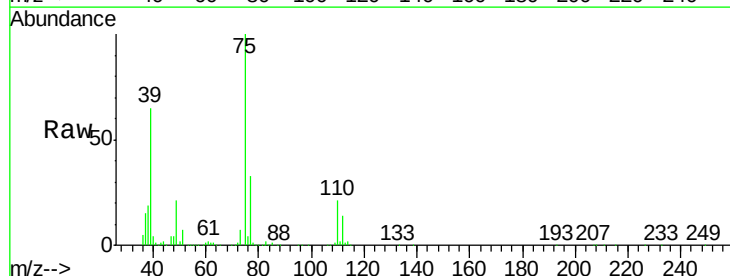
Tgt Ion: 75 Resp: 338004

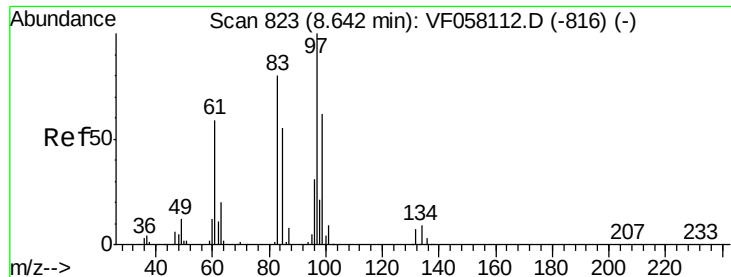
Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5

39 65.1 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 50.494 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

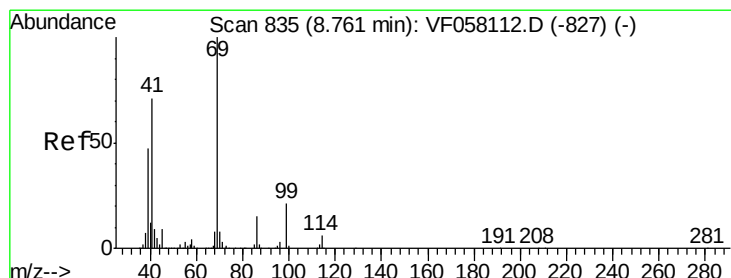
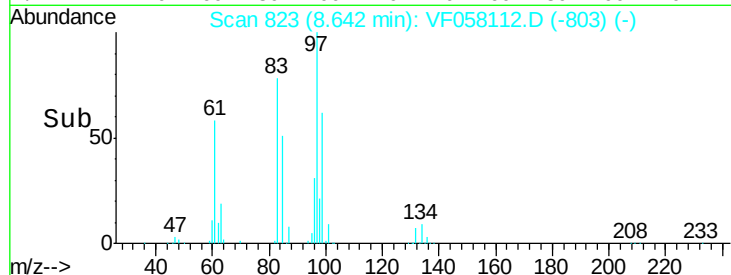
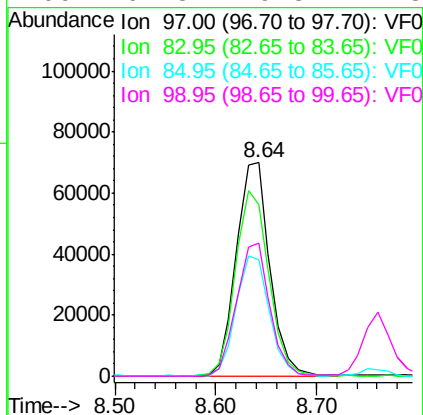
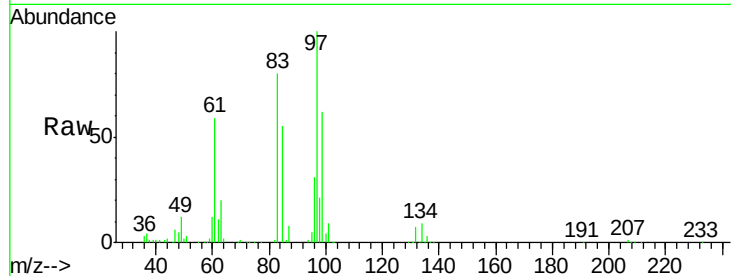
ClientSampleId :

VSTDICCC050

Tgt Ion:	97	Resp:	163011
Ion	Ratio	Lower	Upper
97	100		
83	80.4	64.3	96.5
85	54.8	43.8	65.8
99	62.3	49.8	74.8

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#56

Ethyl methacrylate

Concen: 47.939 ug/l

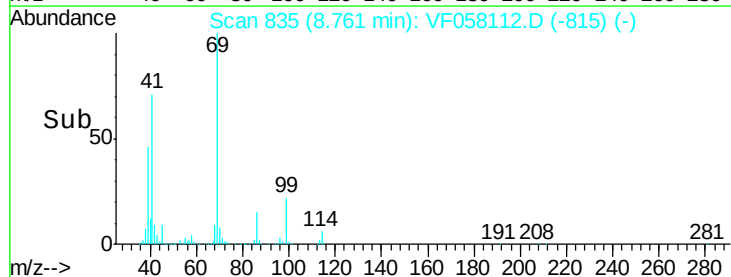
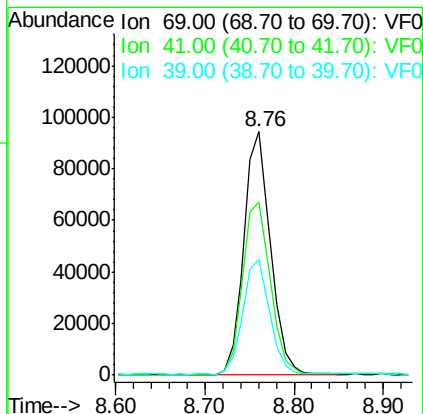
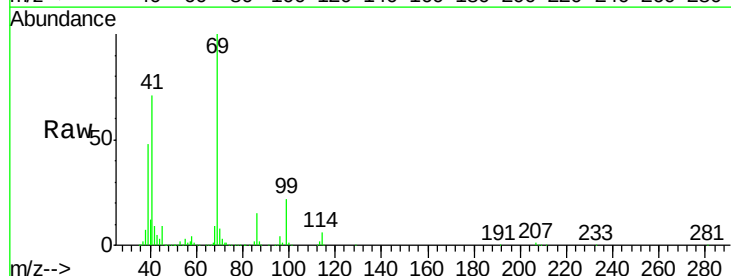
RT: 8.76 min Scan# 835

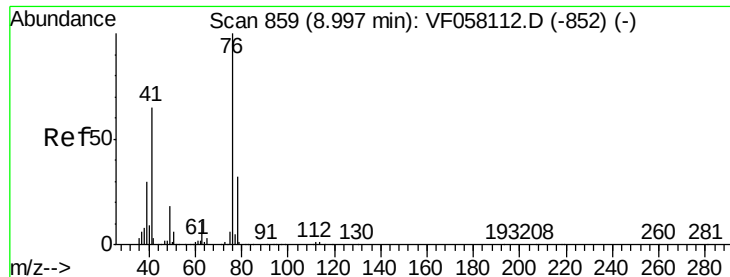
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion:	69	Resp:	195720
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.9	85.3
39	47.5	38.0	57.0





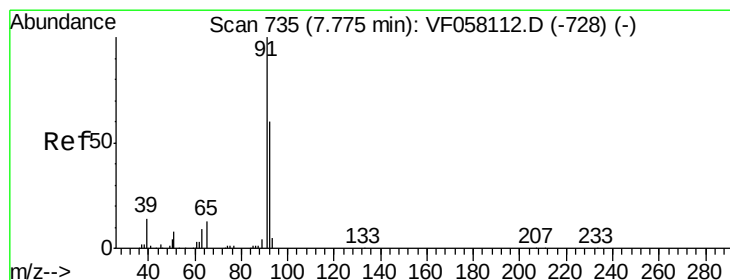
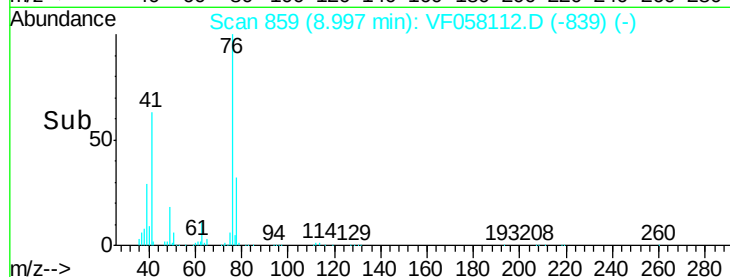
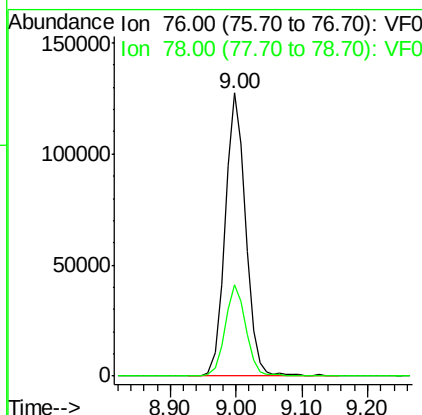
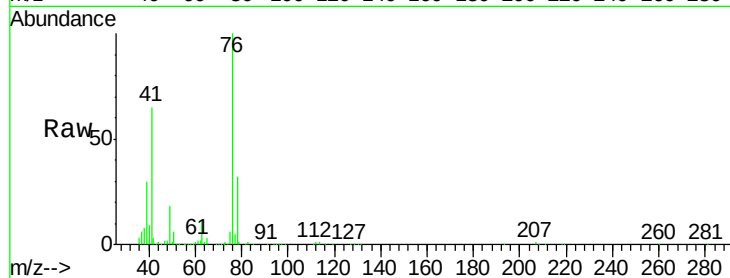
#57
 1,3-Dichloropropane
 Concen: 49.569 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

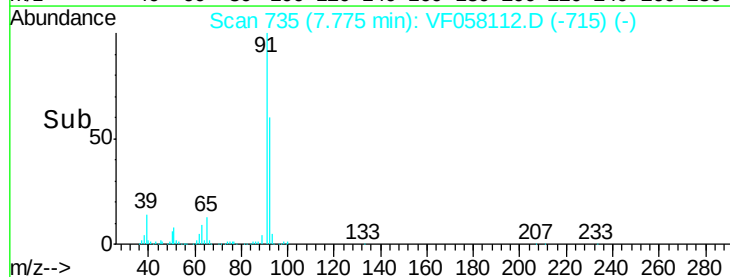
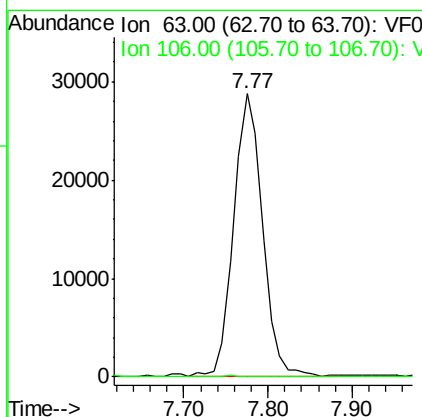
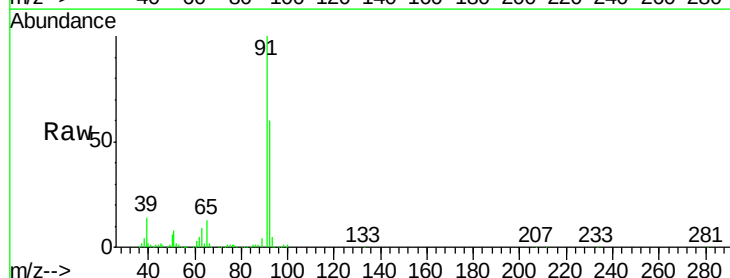
Manual Integrations
 APPROVED

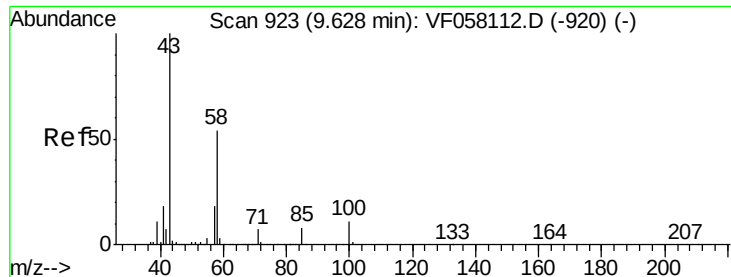
apatel
 6/7/2018 12:37:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.376 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





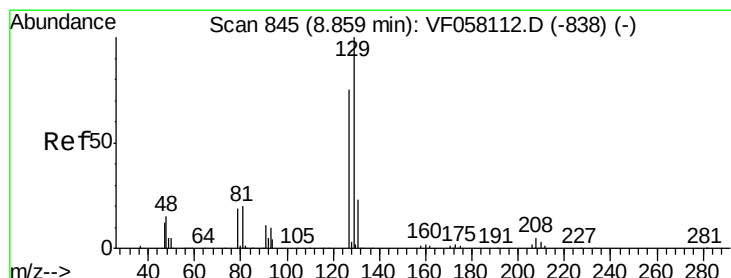
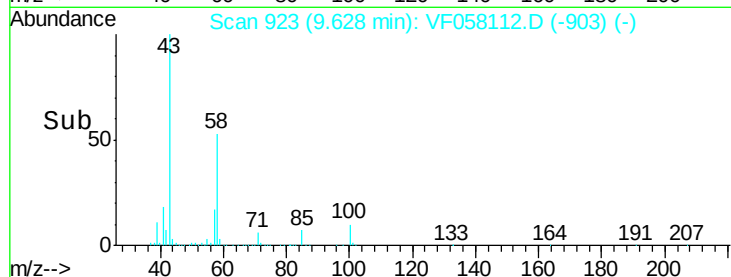
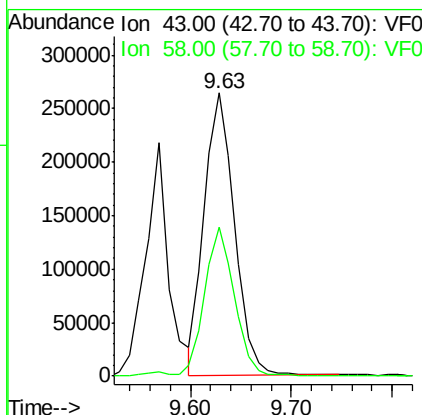
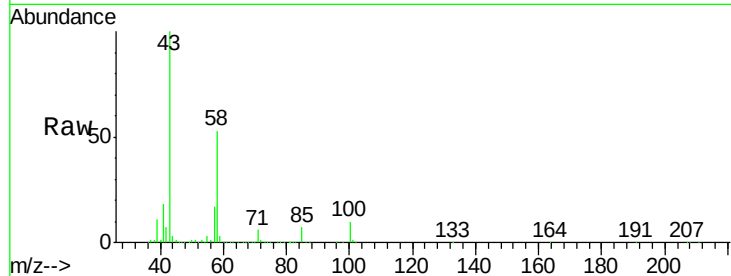
#59
2-Hexanone
Concen: 237.344 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 550913
Ion Ratio Lower Upper
43 100
58 52.5 26.3 78.8

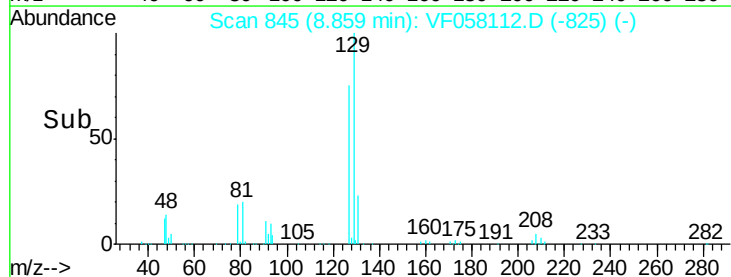
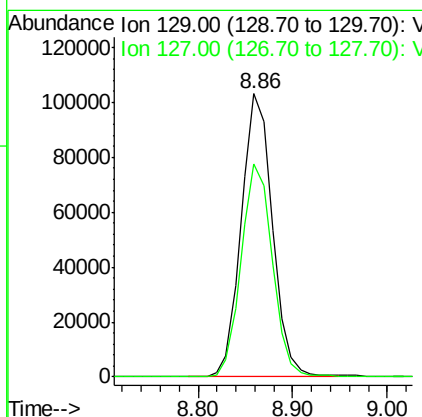
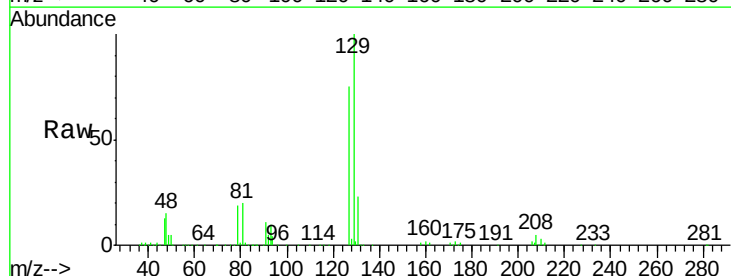
Manual Integrations
APPROVED

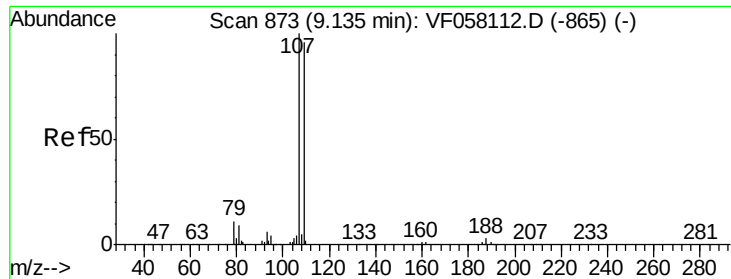
apatel
6/7/2018 12:37:46 PM



#60
Dibromochloromethane
Concen: 51.310 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 129 Resp: 235535
Ion Ratio Lower Upper
129 100
127 75.3 37.6 112.9





#61

1,2-Dibromoethane

Concen: 48.472 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 107 Resp: 186693

Ion Ratio Lower Upper

107 100

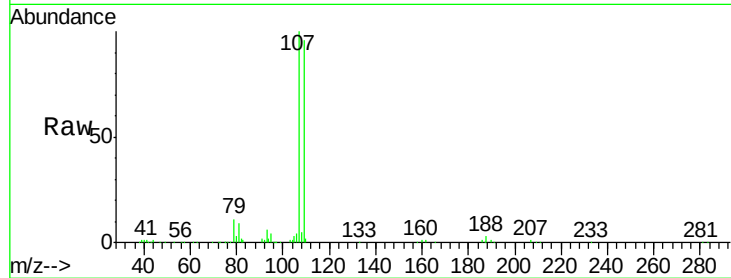
109 95.8 76.6 115.0

Manual Integrations

APPROVED

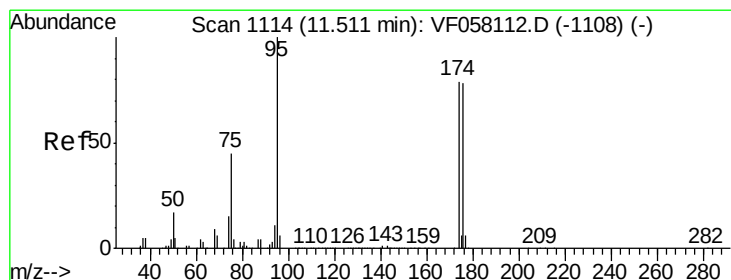
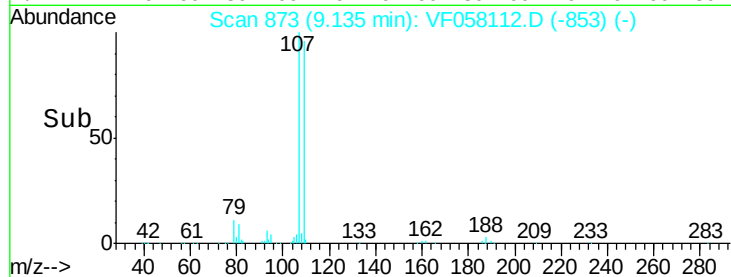
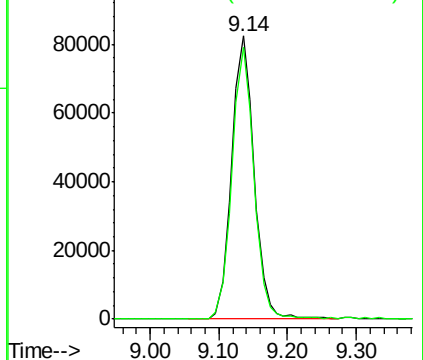
apatel

6/7/2018 12:37:46 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.148 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

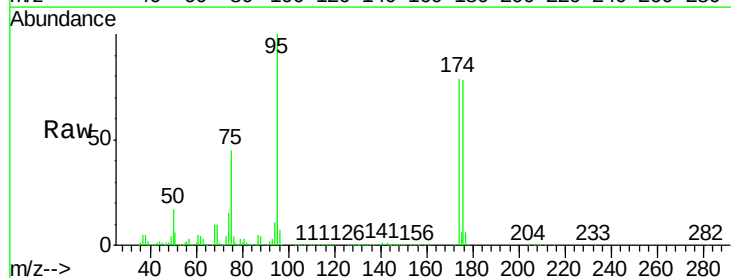
Tgt Ion: 95 Resp: 285459

Ion Ratio Lower Upper

95 100

174 78.9 0.0 157.8

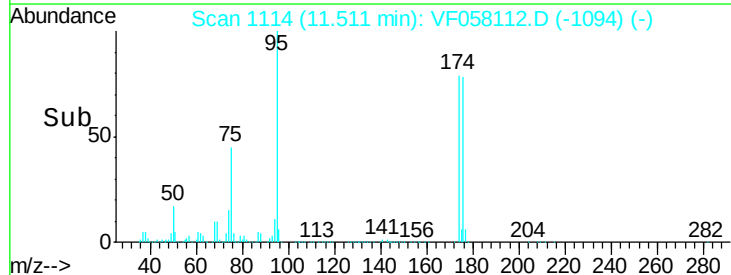
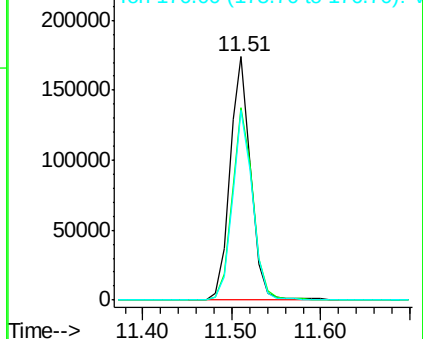
176 77.9 0.0 155.8

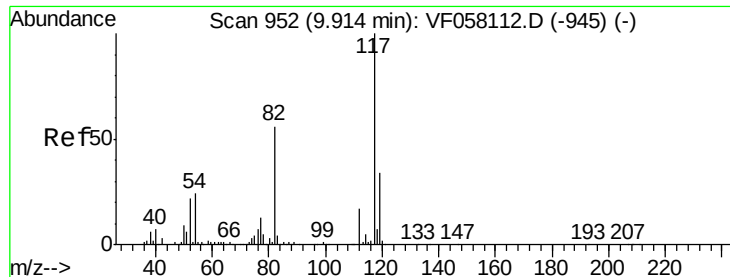


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





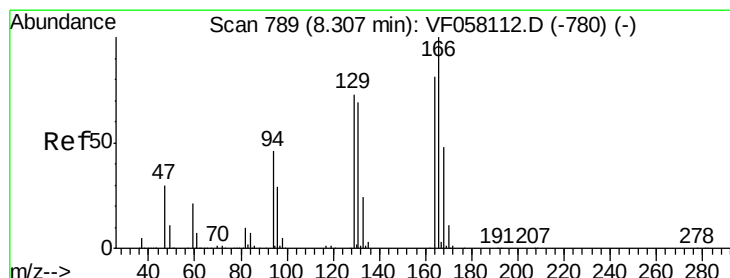
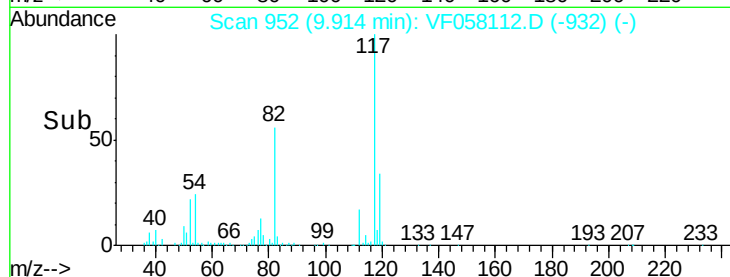
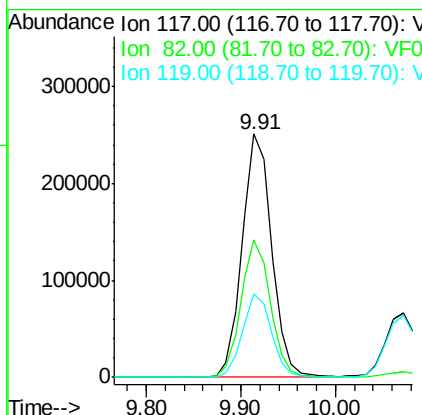
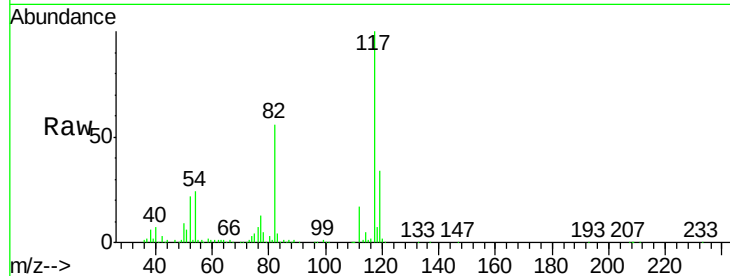
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	544945		
82	56.5	45.2	67.8	
119	34.4	27.5	41.3	

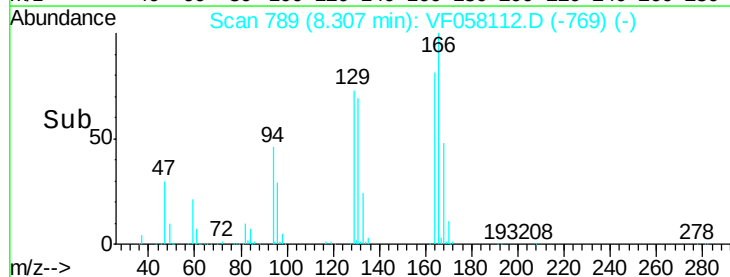
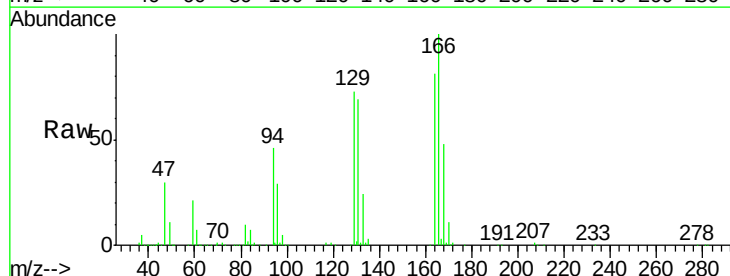
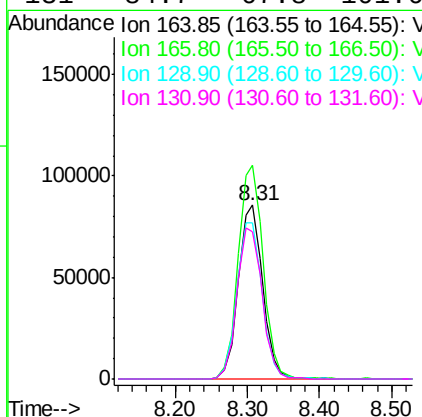
Manual Integrations
APPROVED

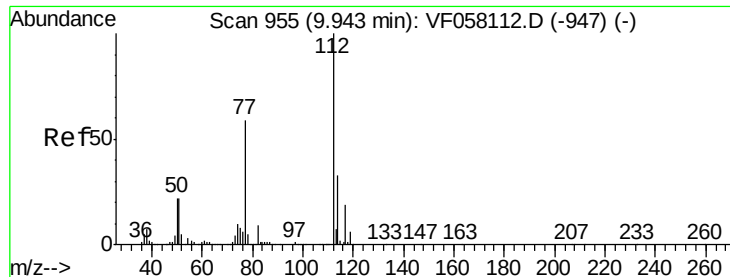
apatel
6/7/2018 12:37:46 PM



#64
Tetrachloroethene
Concen: 49.282 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	202719		
166	122.8	98.2	147.4	
129	89.5	71.6	107.4	
131	84.7	67.8	101.6	





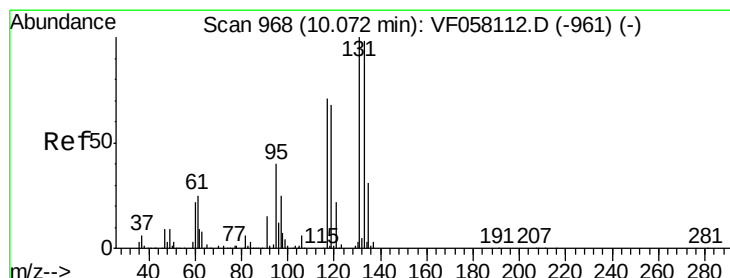
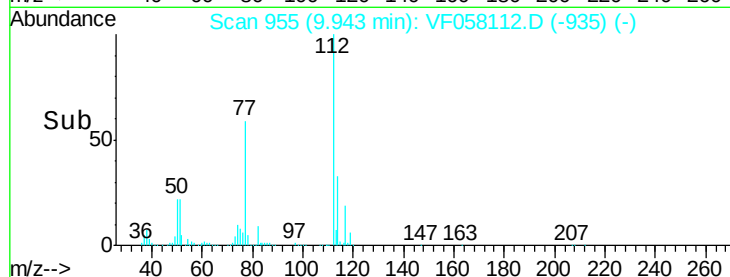
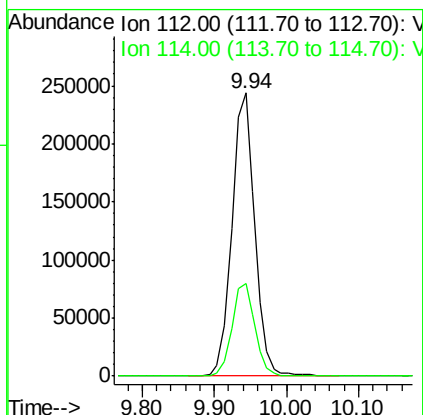
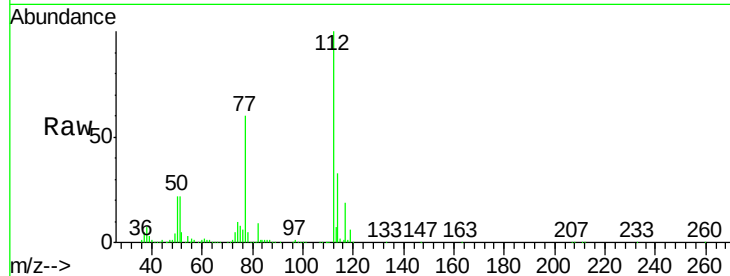
#65
Chlorobenzene
Concen: 48.739 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 538148
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

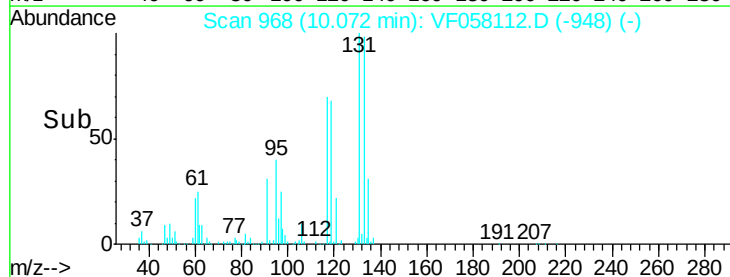
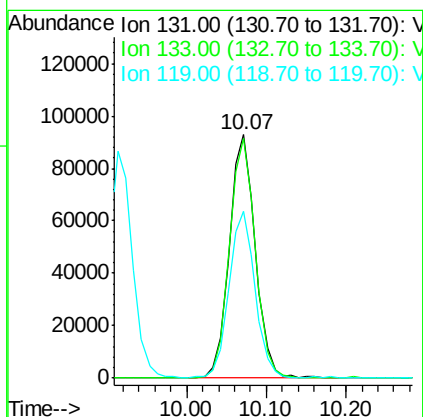
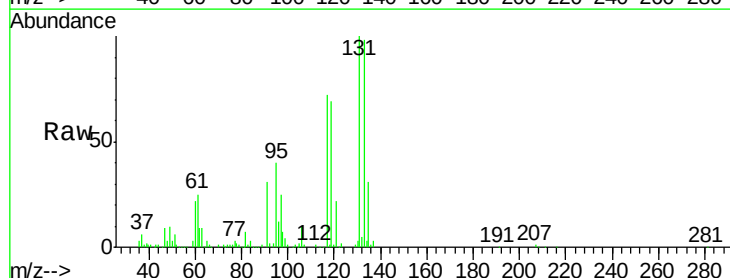
Manual Integrations
APPROVED

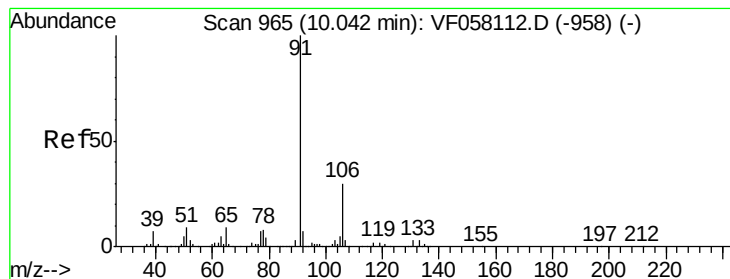
apatel
6/7/2018 12:37:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.995 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion:131 Resp: 211460
Ion Ratio Lower Upper
131 100
133 98.3 49.1 147.4
119 68.5 34.3 102.8





#67

Ethyl Benzene

Concen: 49.084 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 952535

Ion Ratio Lower Upper

91 100

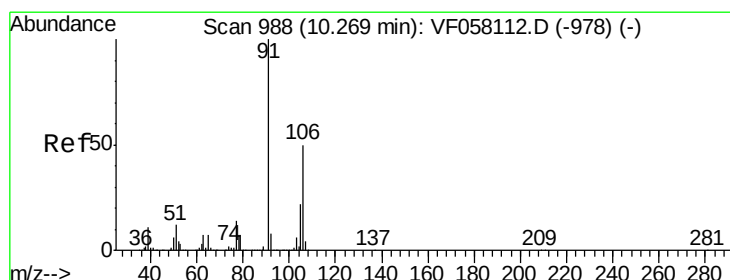
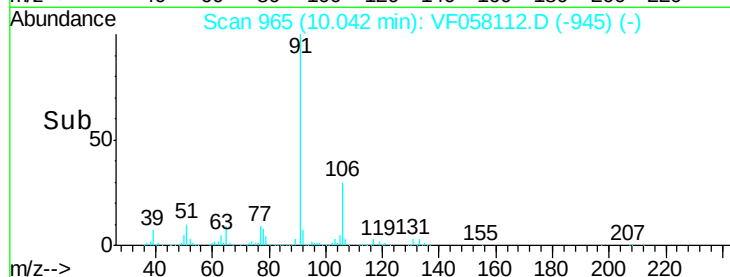
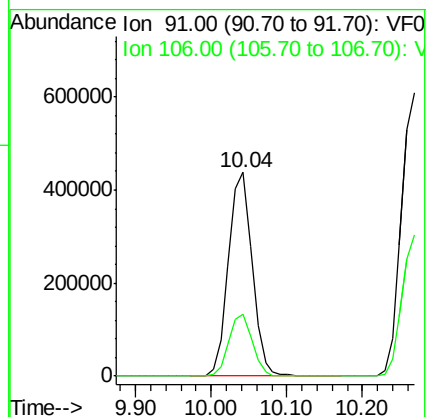
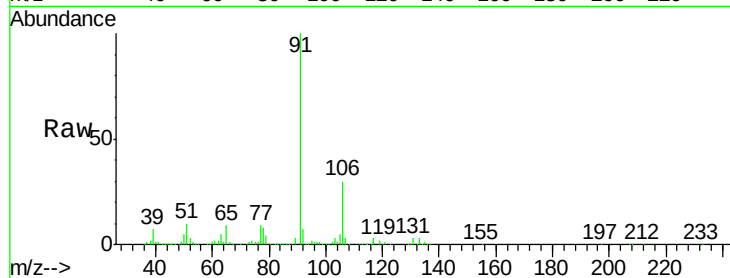
106 30.3 24.2 36.4

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:46 PM



#68

m/p-Xylenes

Concen: 90.262 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF058112.D

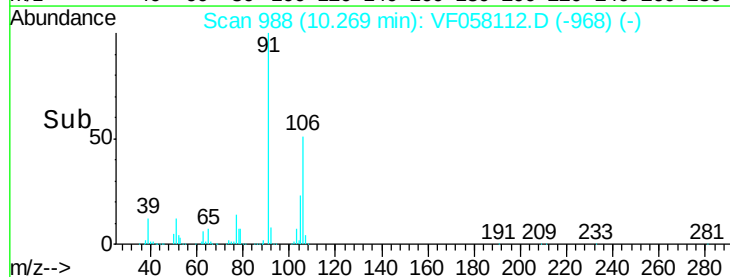
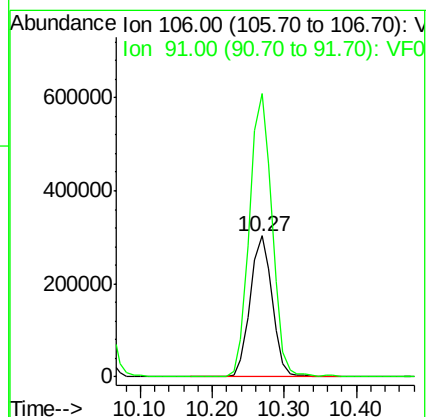
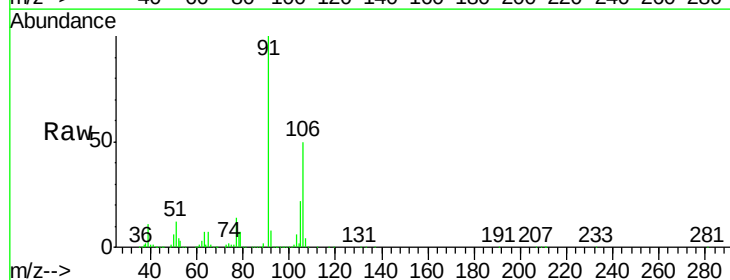
Acq: 6 Jun 2018 17:41

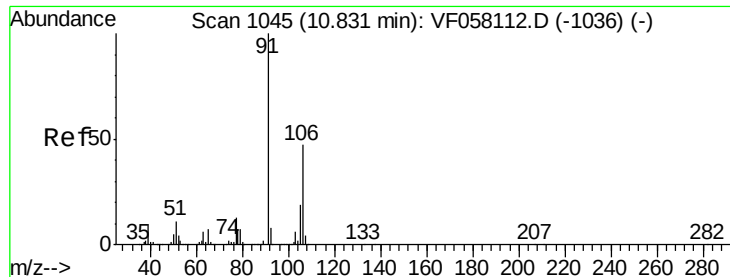
Tgt Ion: 106 Resp: 649423

Ion Ratio Lower Upper

106 100

91 200.9 160.7 241.1





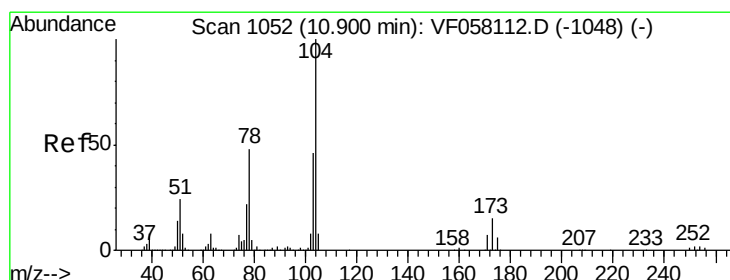
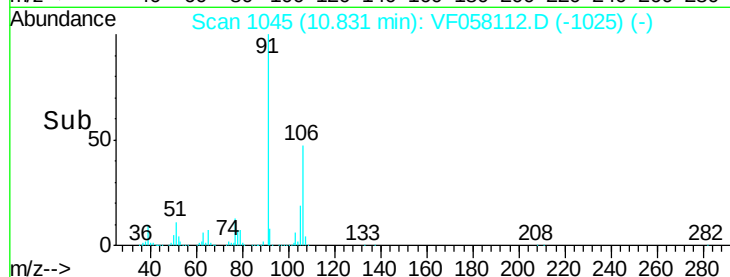
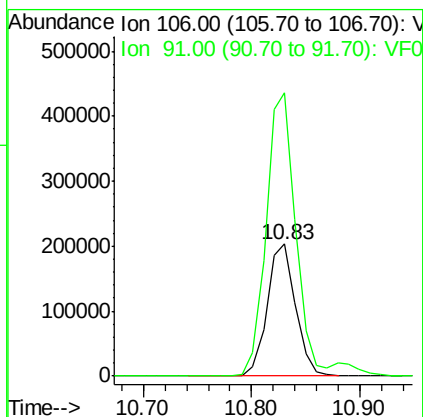
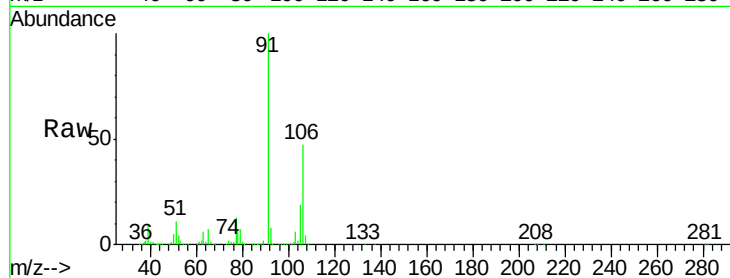
#69
o-Xylene
Concen: 47.932 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 375611
Ion Ratio Lower Upper
106 100
91 214.0 107.0 321.0

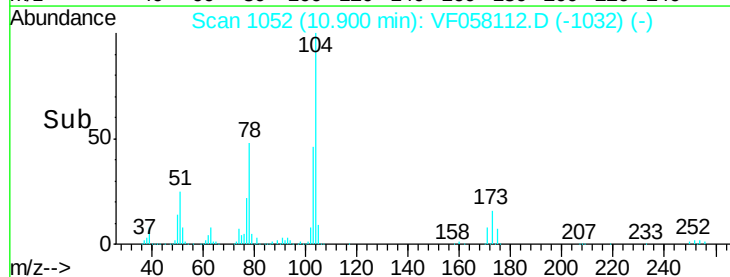
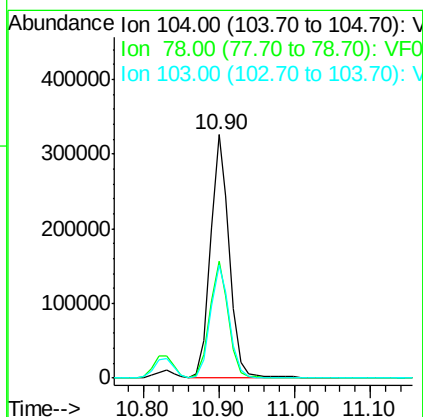
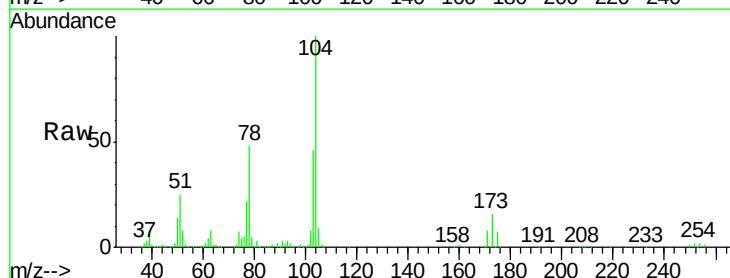
Manual Integrations
APPROVED

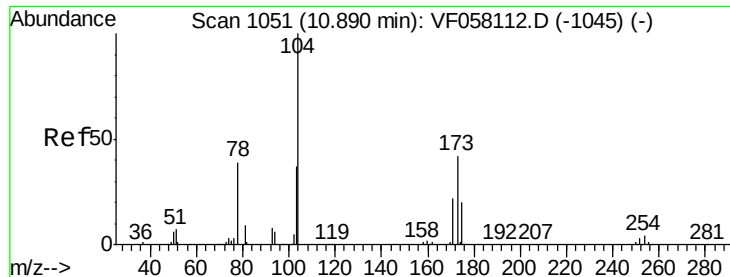
apatel
6/7/2018 12:37:46 PM



#70
Styrene
Concen: 48.328 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion:104 Resp: 567869
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 46.3 37.0 55.6





#71

Bromoform

Concen: 49.030 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

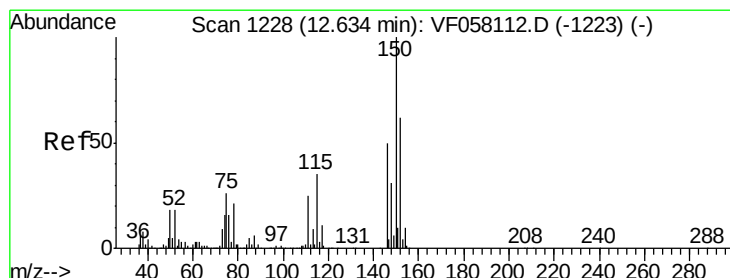
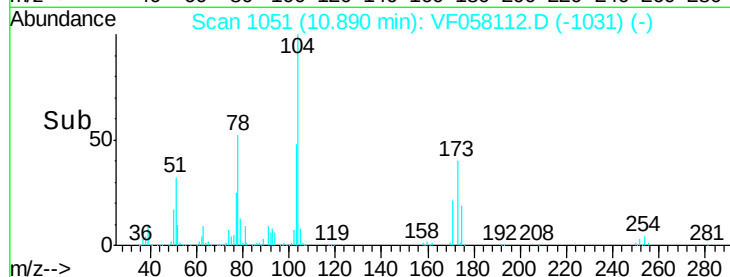
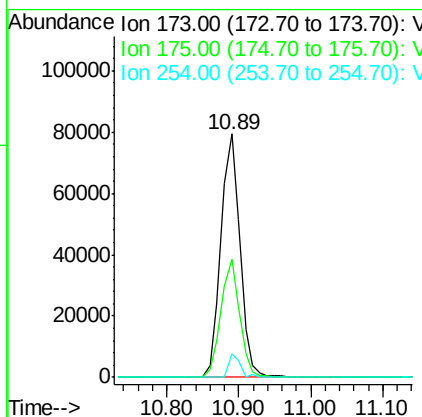
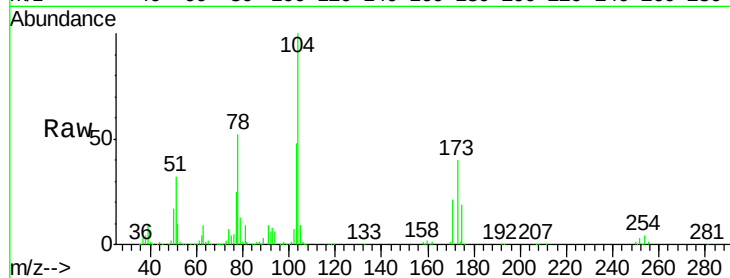
ClientSampleId :

VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	145529		
175	49.3	24.6	74.0	
254	9.8	7.8	11.8	

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

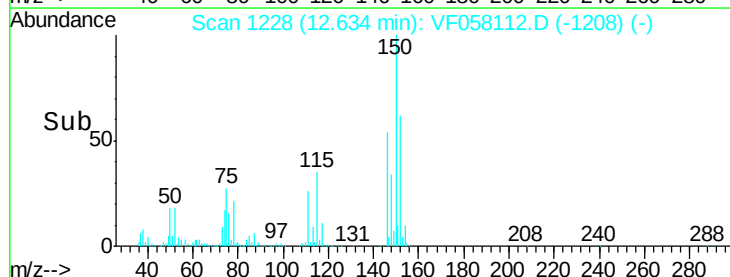
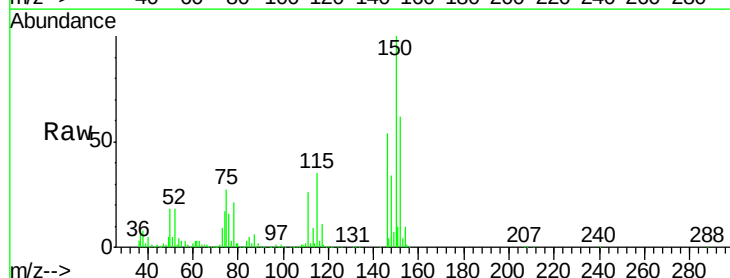
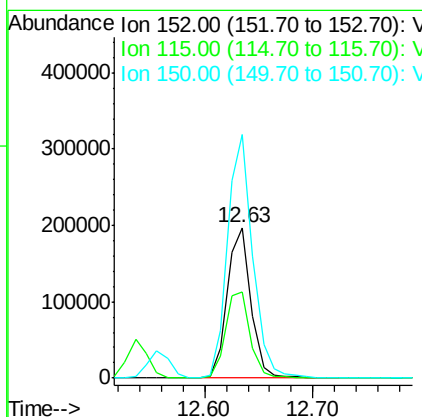
RT: 12.63 min Scan# 1228

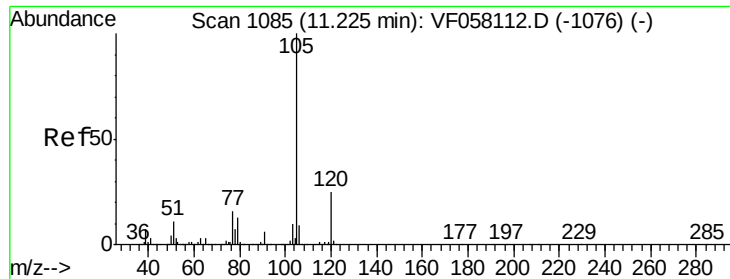
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	302506		
115	57.0	28.5	85.5	
150	161.9	0.0	323.8	





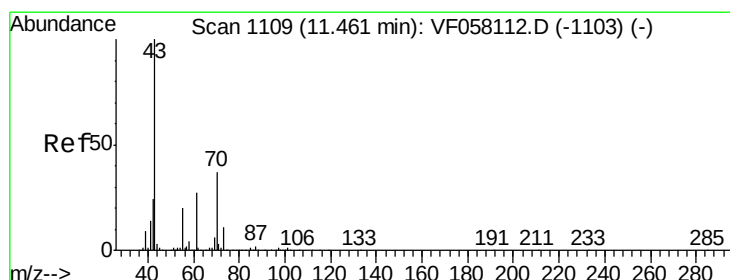
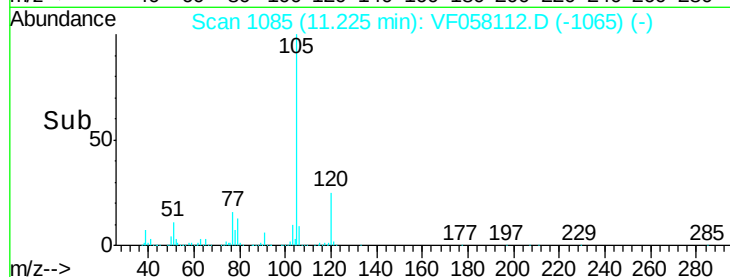
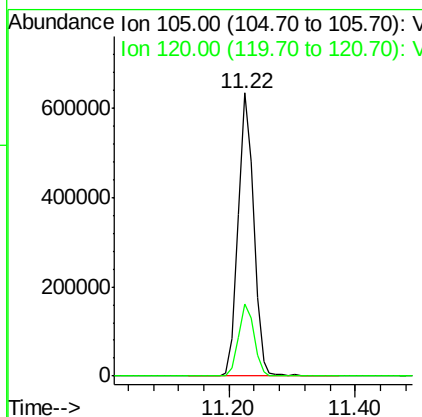
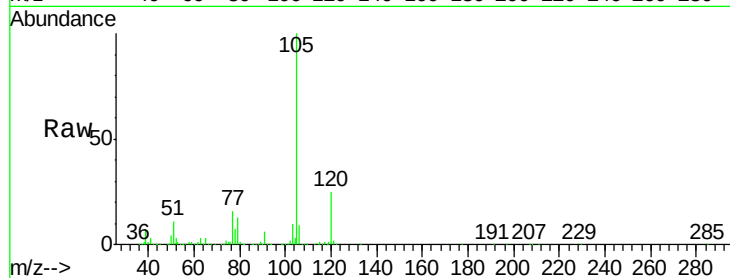
#73
Isopropylbenzene
Concen: 49.557 ug/l
RT: 11.22 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 105 Resp: 1064618
Ion Ratio Lower Upper
105 100
120 25.4 12.7 38.1

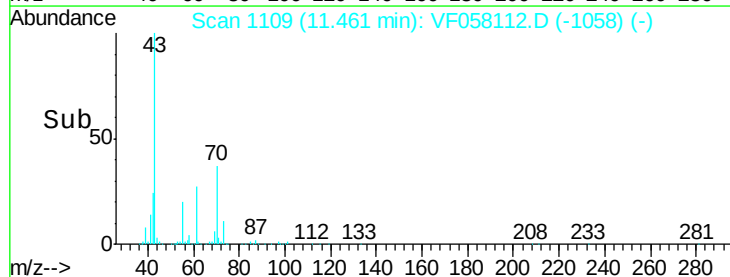
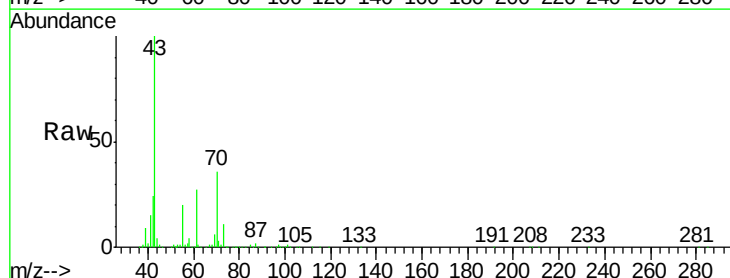
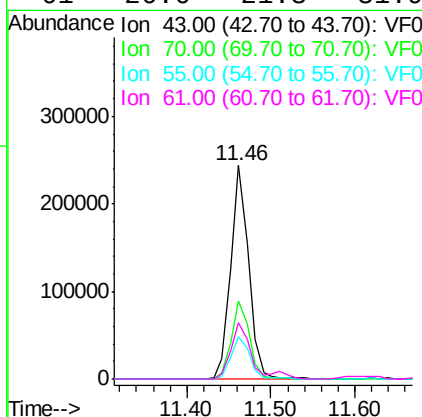
Manual Integrations
APPROVED

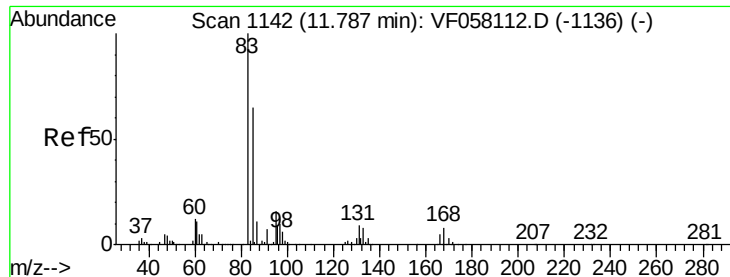
apatel
6/7/2018 12:37:46 PM



#74
N-ethyl acetate
Concen: 44.800 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 43 Resp: 358898
Ion Ratio Lower Upper
43 100
70 36.5 29.2 43.8
55 19.7 15.8 23.6
61 26.6 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 46.833 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

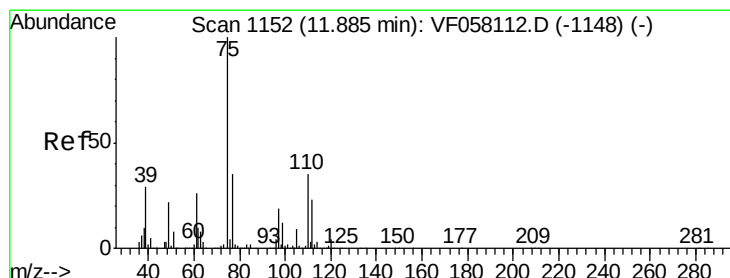
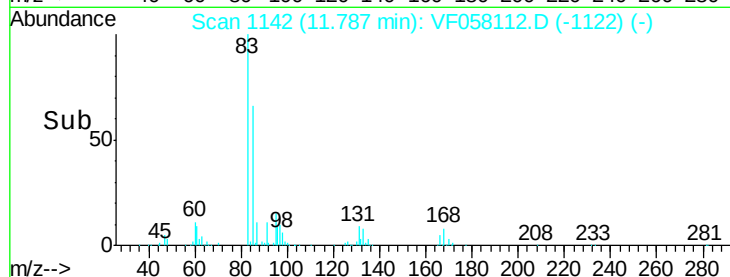
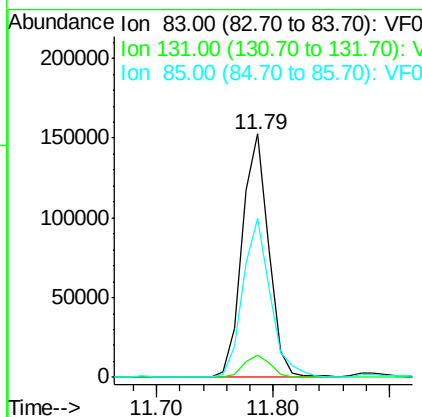
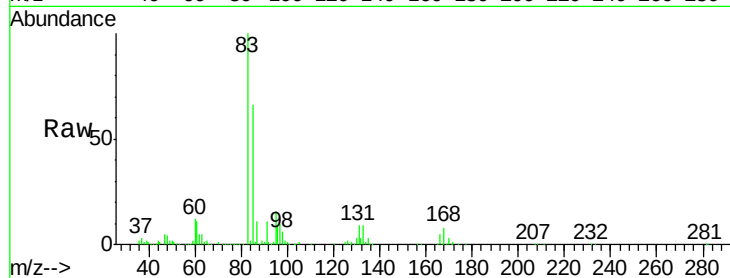
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	240997
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.7
85	65.5	32.8	98.3

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#76

1,2,3-Trichloropropane

Concen: 46.896 ug/l

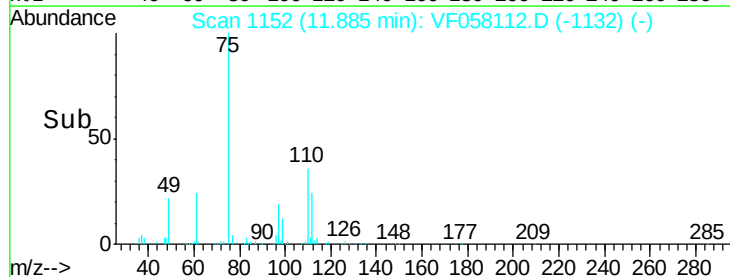
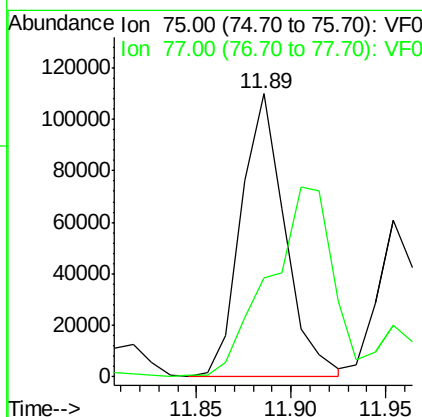
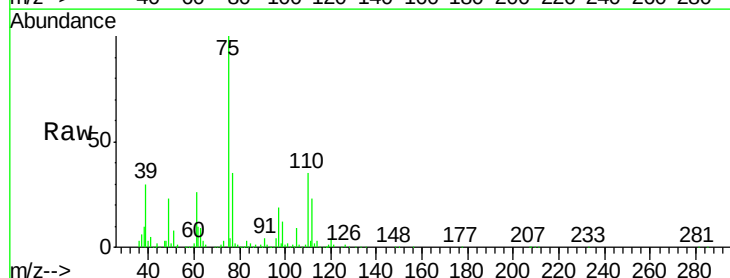
RT: 11.89 min Scan# 1152

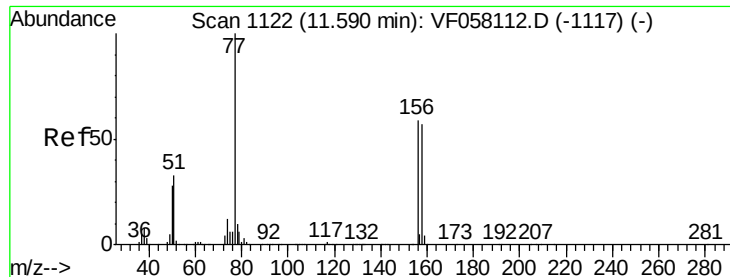
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion:	75	Resp:	176093
Ion Ratio	Lower	Upper	
75	100		
77	35.0	17.5	52.5





#77

Bromobenzene

Concen: 49.413 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

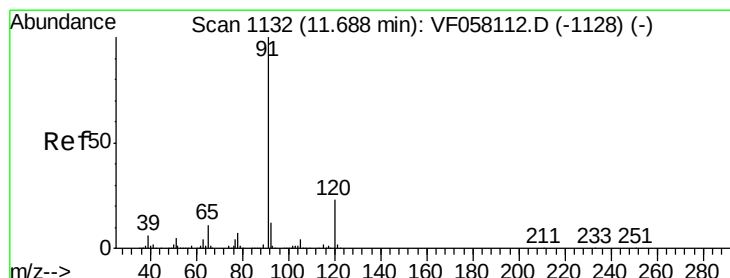
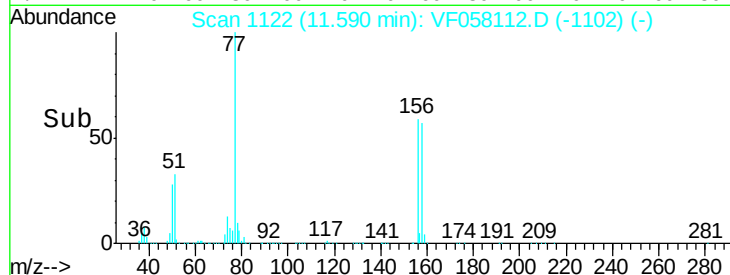
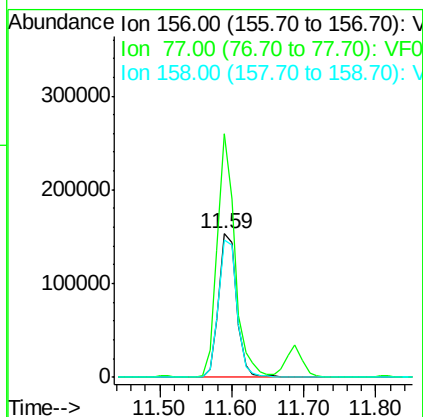
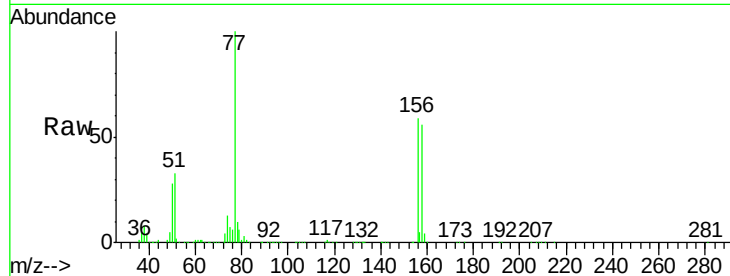
ClientSampleId :

VSTDICCC050

Tgt	Ion	Ratio	Resp	Lower	Upper
156	100		264527		
77	169.6	84.8	254.4		
158	95.8	47.9	143.7		

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#78

n-propylbenzene

Concen: 48.863 ug/l

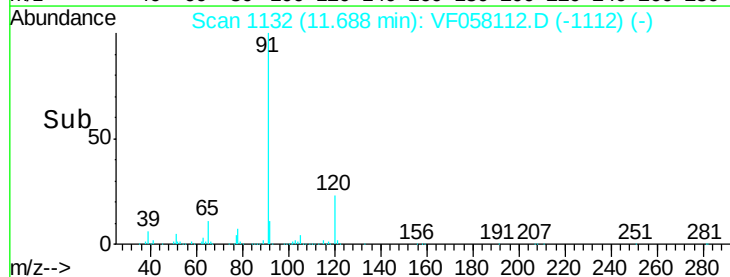
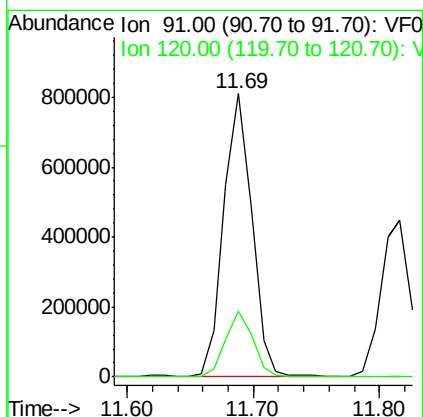
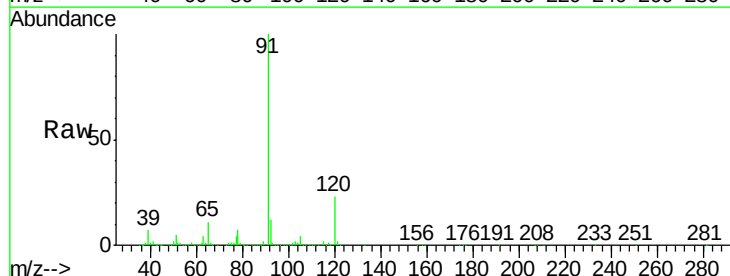
RT: 11.69 min Scan# 1132

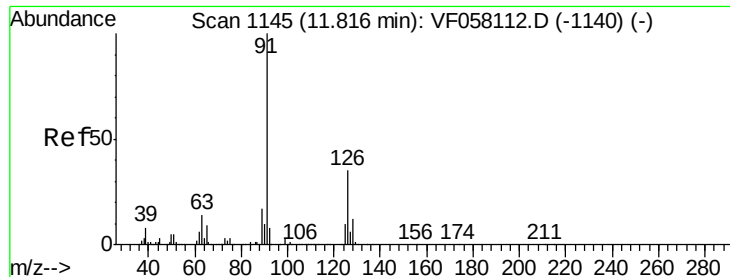
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt	Ion	Ratio	Resp	Lower	Upper
91	100		1254259		
120	23.0	11.5	34.5		





#79

2-Chlorotoluene

Concen: 47.968 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 727379

Ion Ratio Lower Upper

91 100

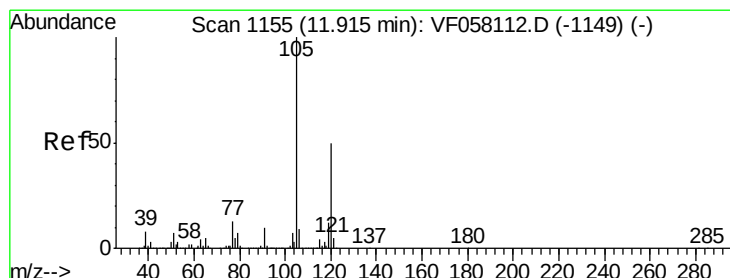
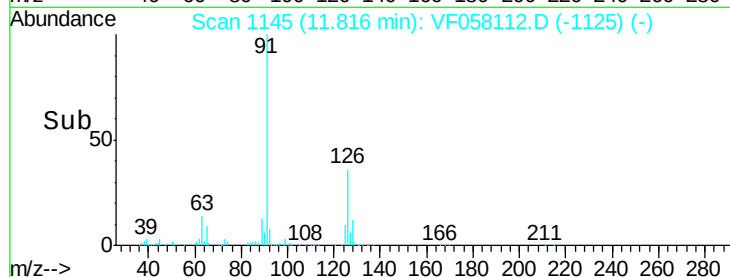
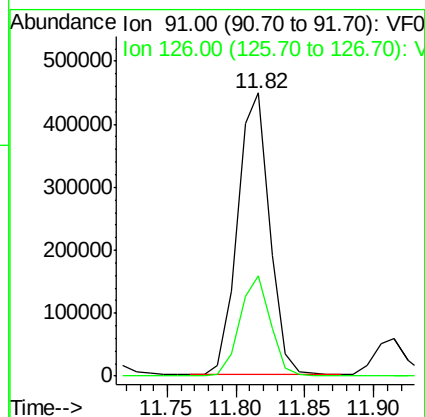
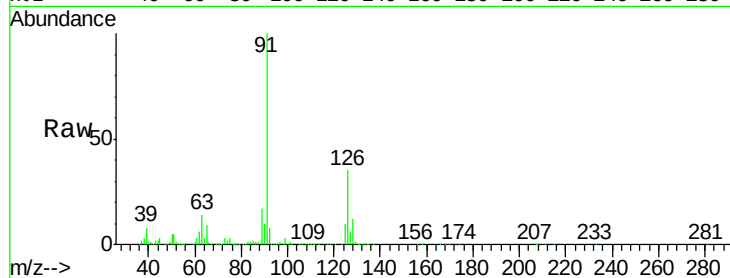
126 35.3 17.6 52.9

Manual Integrations

APPROVED

apatel

6/7/2018 12:37:46 PM



#80

1,3,5-Trimethylbenzene

Concen: 49.497 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF058112.D

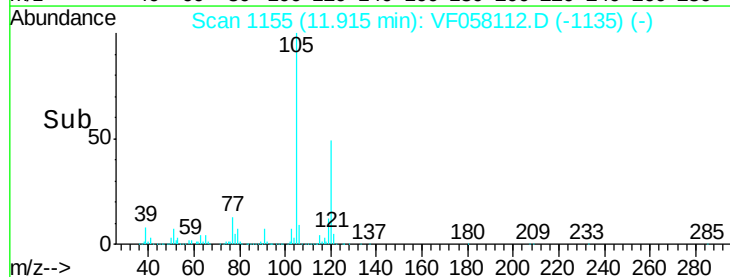
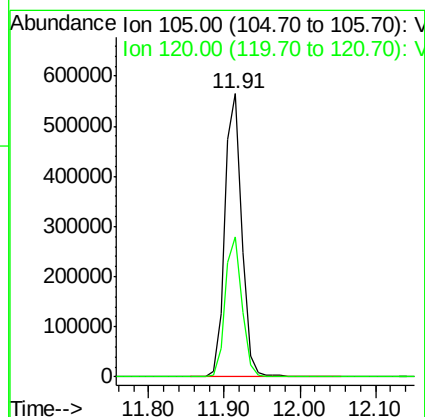
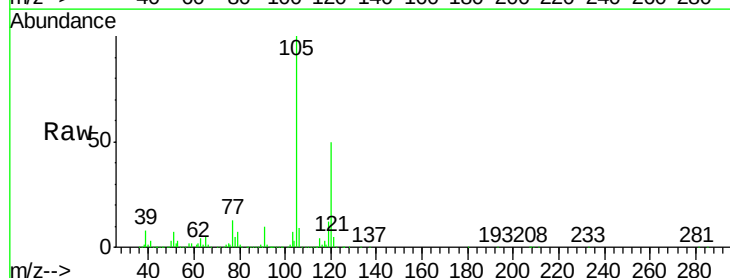
Acq: 6 Jun 2018 17:41

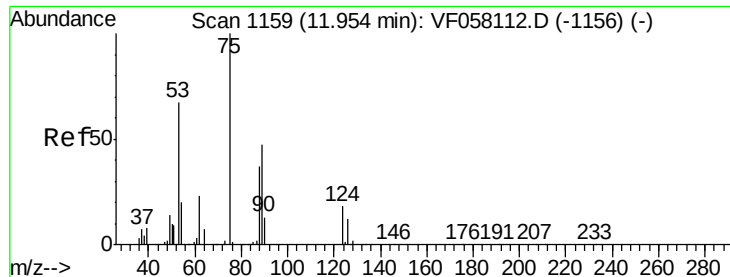
Tgt Ion: 105 Resp: 881504

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.469 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Instrument :

MSVOA_F

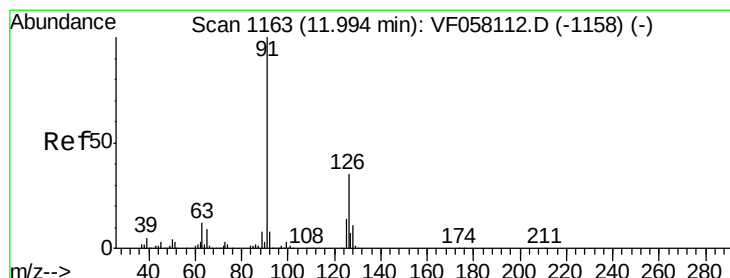
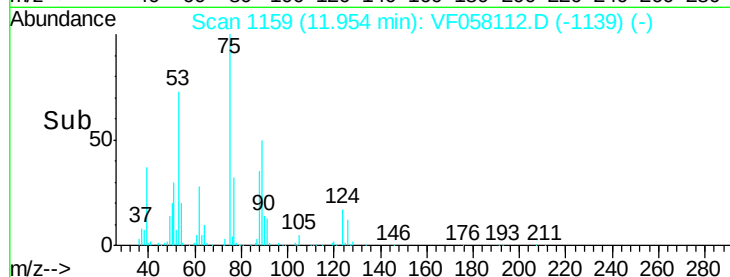
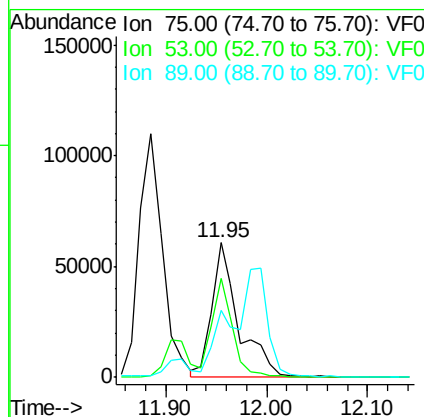
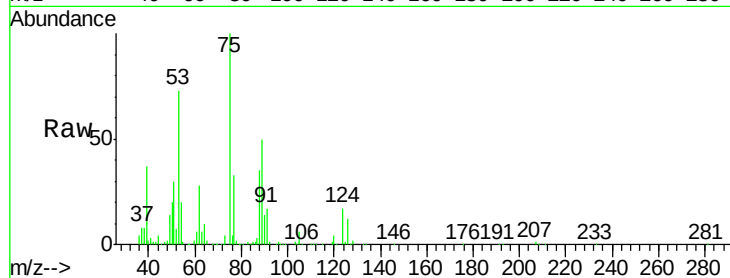
ClientSampleId :

VSTDICCC050

Tgt Ion:	75	Resp:	112889
Ion	Ratio	Lower	Upper
75	100		
53	73.4	58.7	88.1
89	49.7	39.8	59.6

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#82

4-Chlorotoluene

Concen: 48.325 ug/l

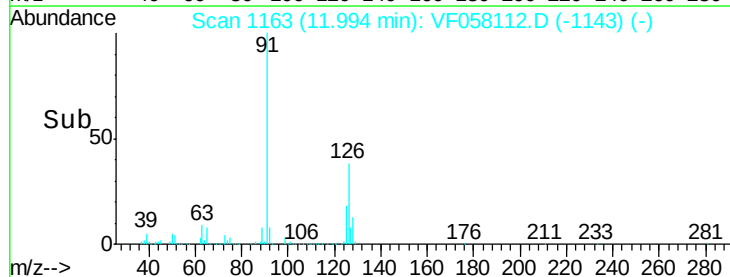
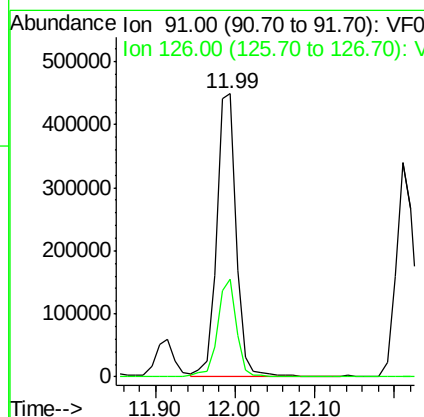
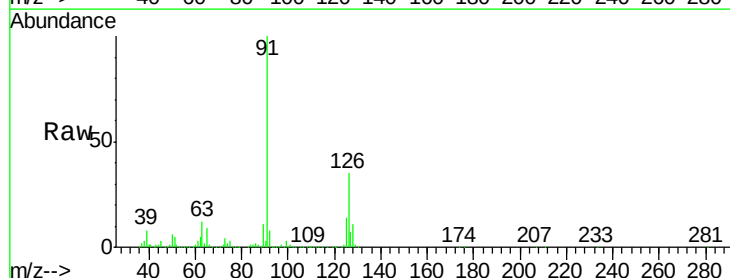
RT: 11.99 min Scan# 1163

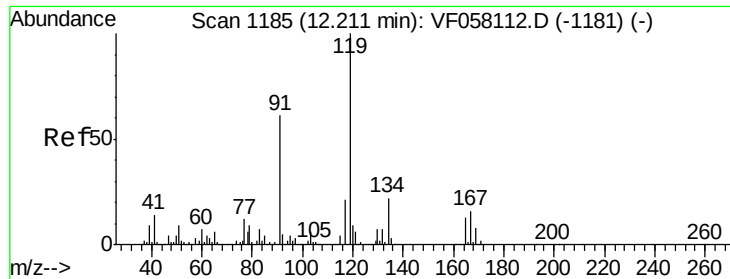
Delta R.T. 0.00 min

Lab File: VF058112.D

Acq: 6 Jun 2018 17:41

Tgt Ion:	91	Resp:	772813
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.2





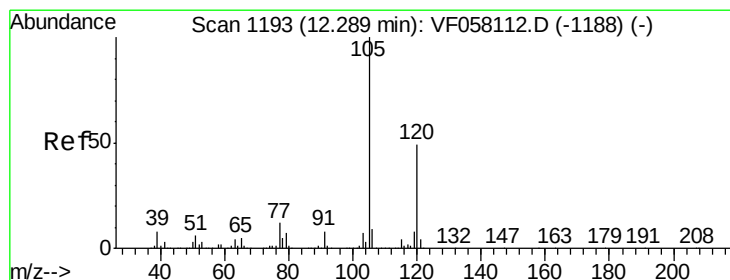
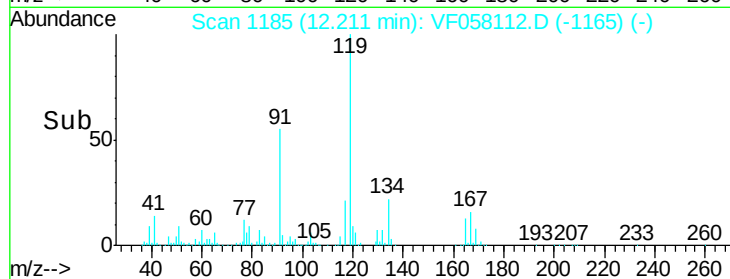
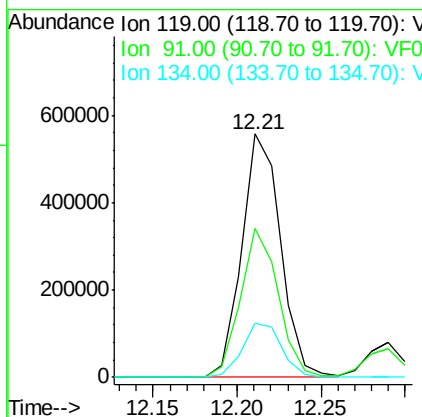
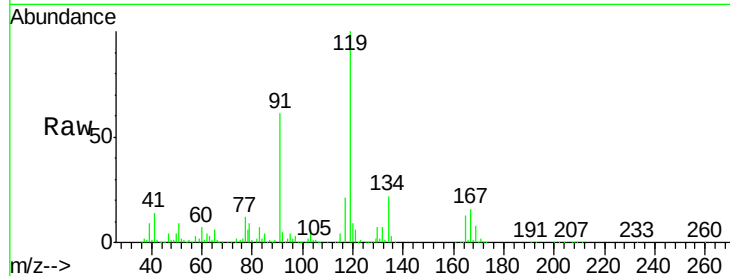
#83
 tert-Butylbenzene
 Concen: 50.055 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	891563		
91	60.9	30.4	91.3	
134	22.3	11.2	33.5	

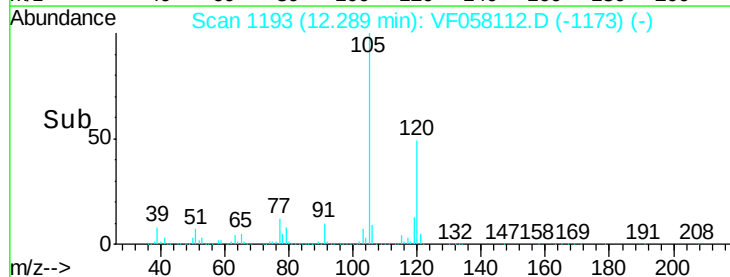
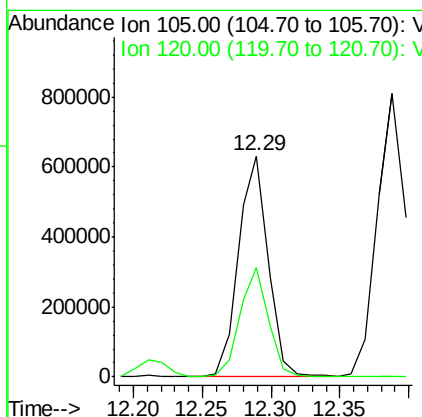
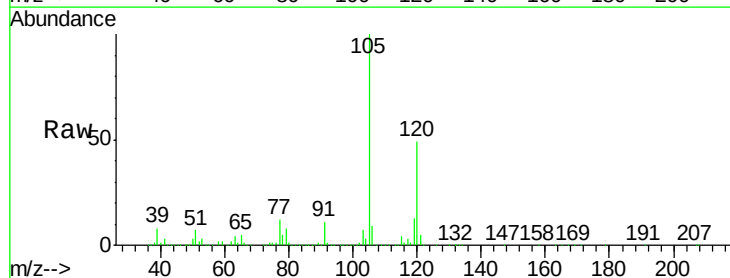
Manual Integrations
 APPROVED

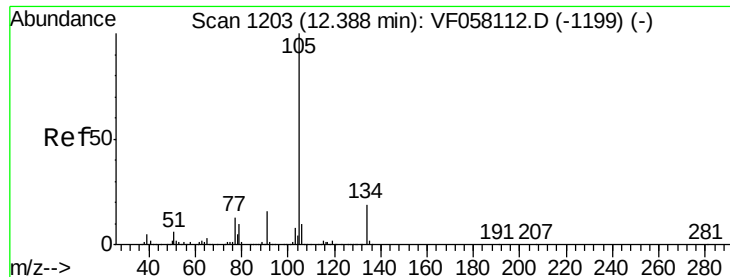
apatel
 6/7/2018 12:37:46 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.168 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	945314		
120	49.4	24.7	74.1	





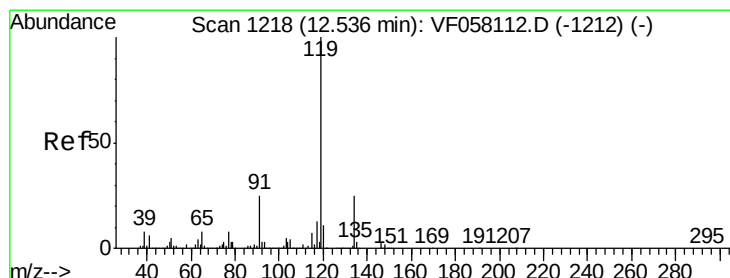
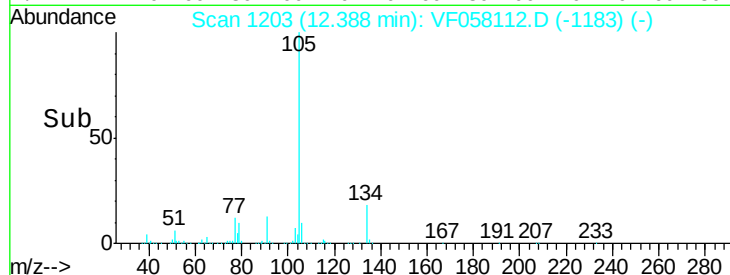
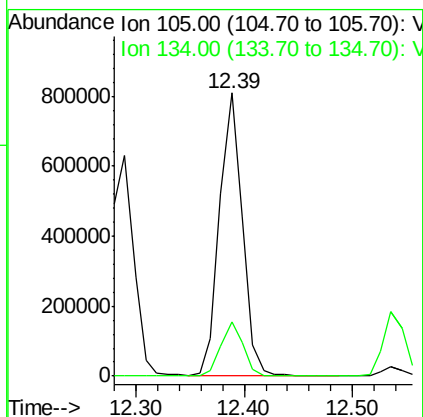
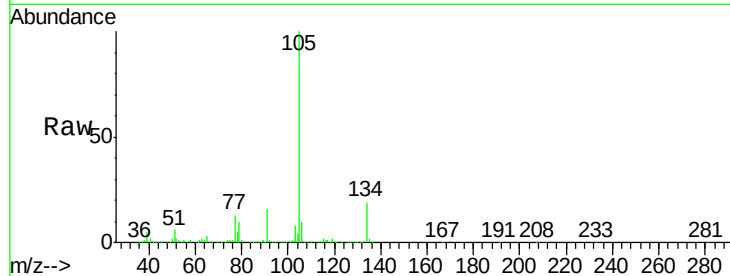
#85
 sec-Butylbenzene
 Concen: 49.265 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 1188624
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.6

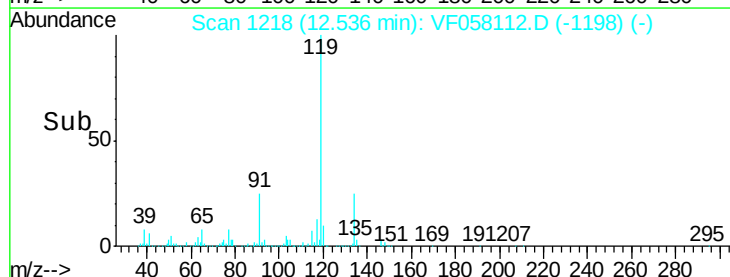
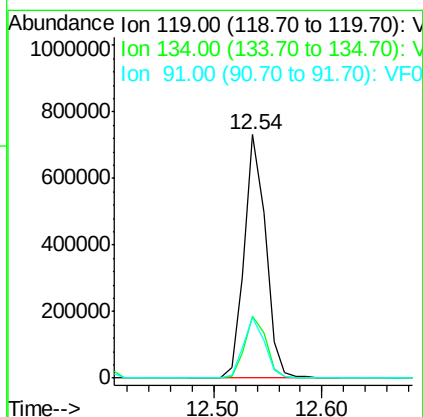
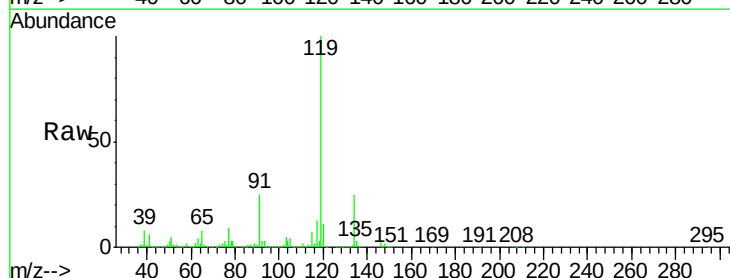
Manual Integrations
 APPROVED

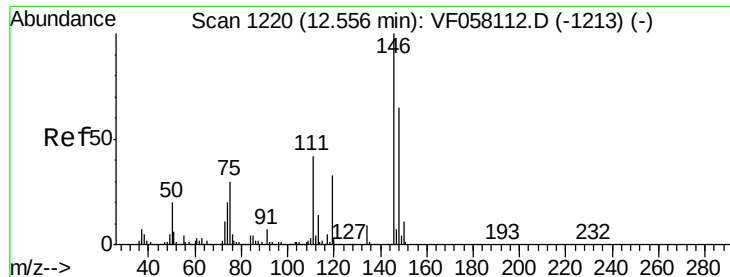
apatel
 6/7/2018 12:37:46 PM



#86
 p-Isopropyltoluene
 Concen: 50.150 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion:119 Resp: 1008707
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.0
 91 25.1 12.6 37.6





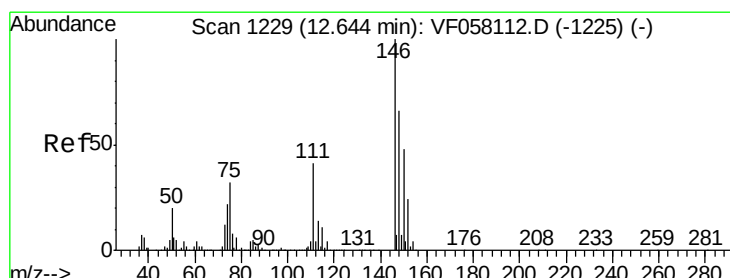
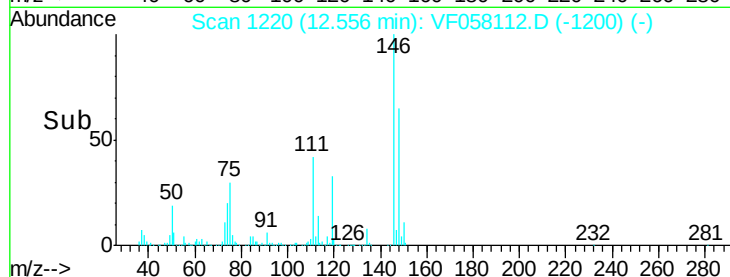
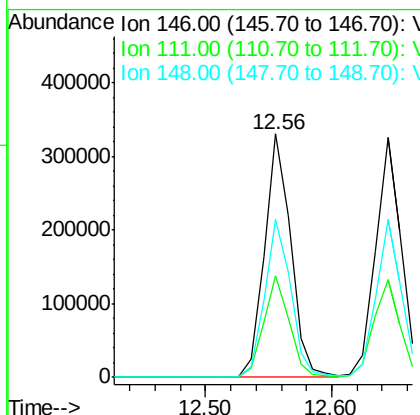
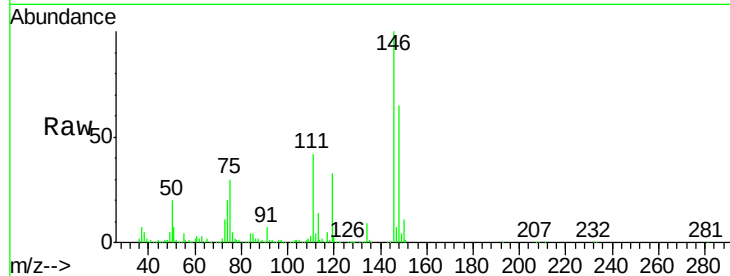
#87
 1,3-Dichlorobenzene
 Concen: 48.699 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	480604		
111	41.7	20.8	62.5	
148	64.6	32.3	96.9	

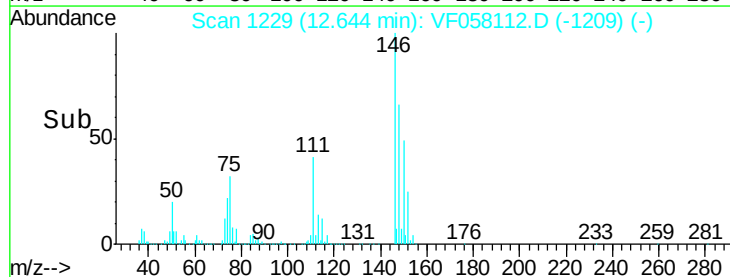
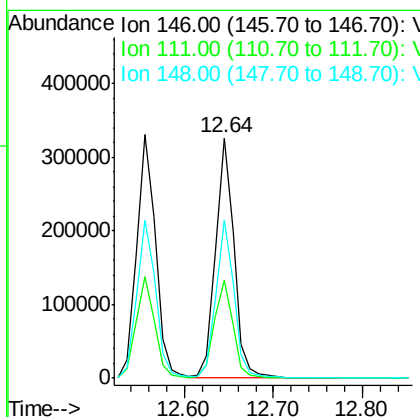
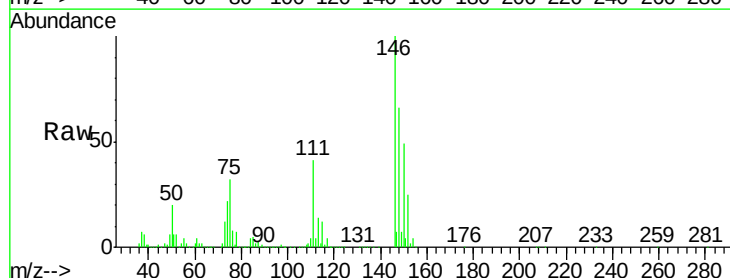
Manual Integrations
 APPROVED

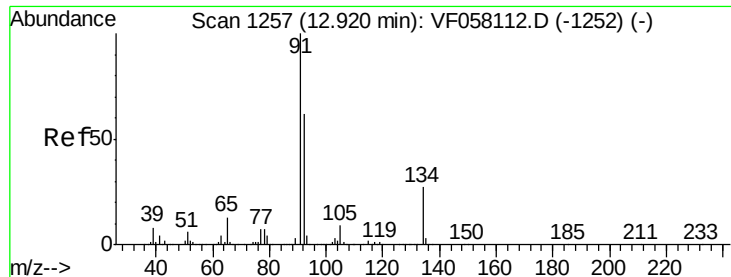
apatel
 6/7/2018 12:37:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.865 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	472459		
111	40.8	20.4	61.2	
148	66.0	33.0	99.0	





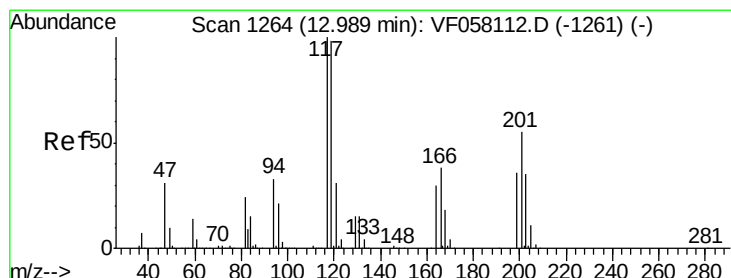
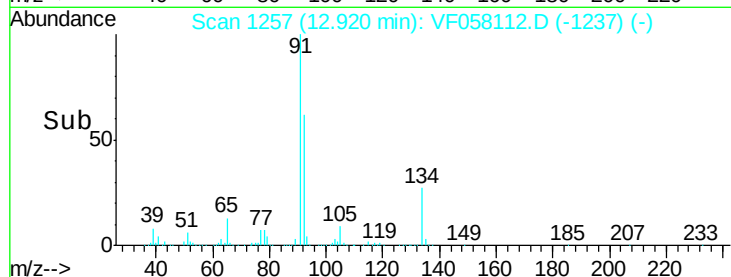
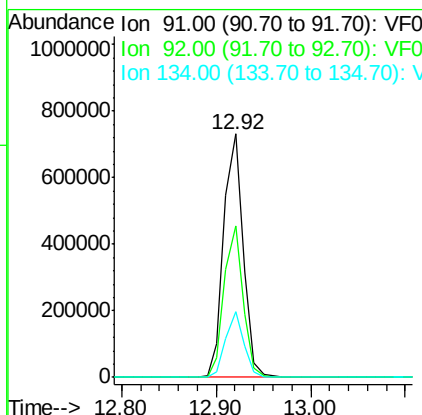
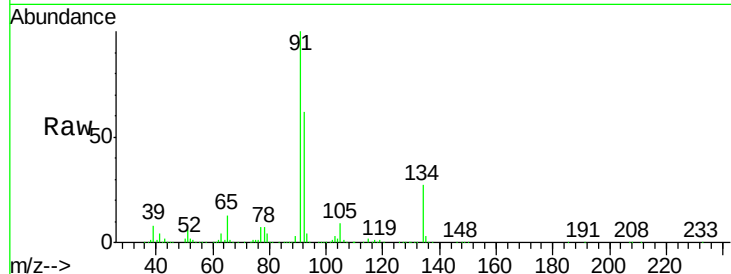
#89
n-Butylbenzene
Concen: 49.827 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1044526
Ion Ratio Lower Upper
91 100
92 62.3 31.1 93.5
134 27.2 13.6 40.8

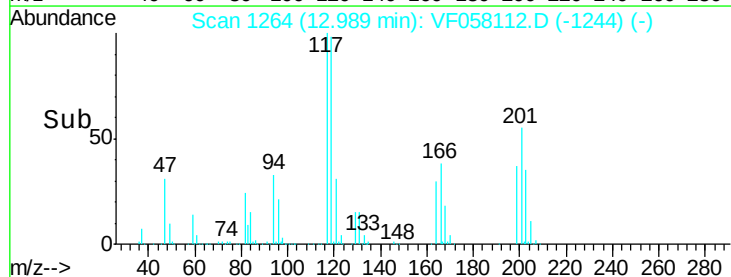
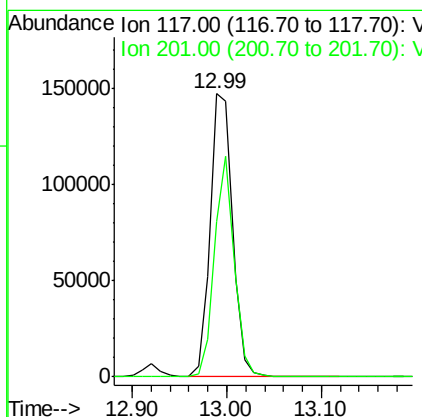
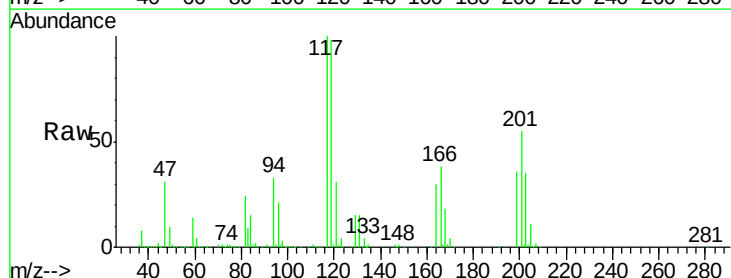
Manual Integrations
APPROVED

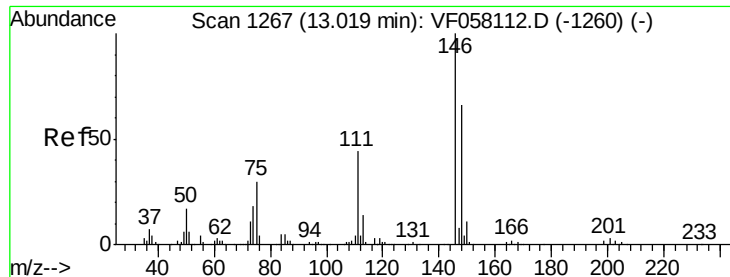
apatel
6/7/2018 12:37:46 PM



#90
Hexachloroethane
Concen: 50.194 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion: 117 Resp: 243482
Ion Ratio Lower Upper
117 100
201 54.9 27.5 82.4





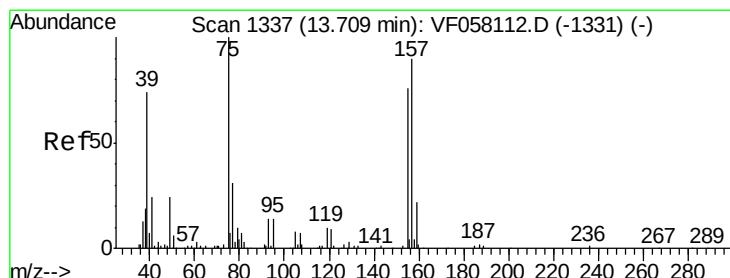
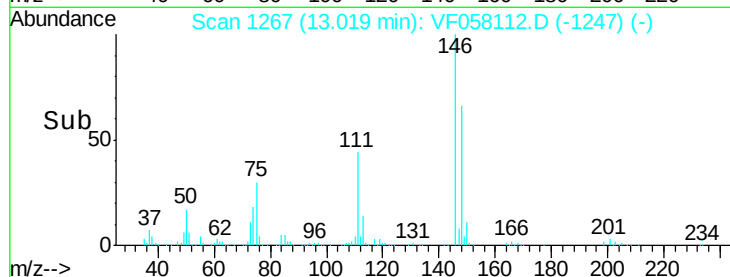
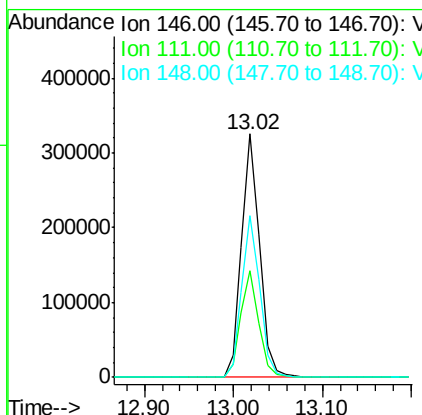
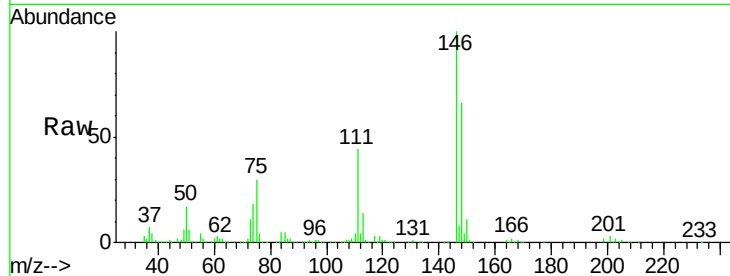
#91
 1,2-Dichlorobenzene
 Concen: 48.141 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	461195		
111	44.0	22.0	66.0	
148	66.2	33.1	99.3	

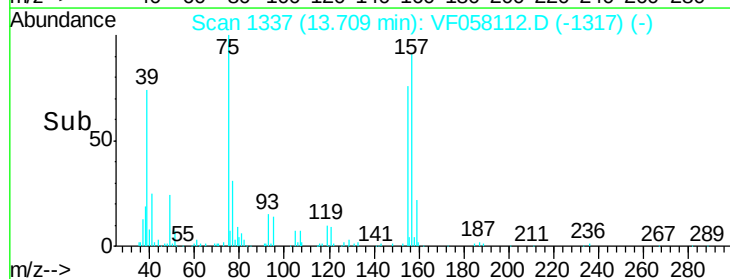
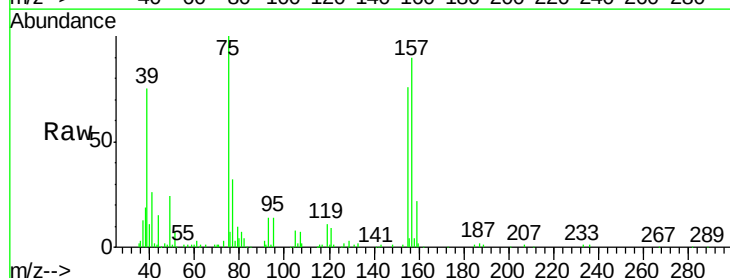
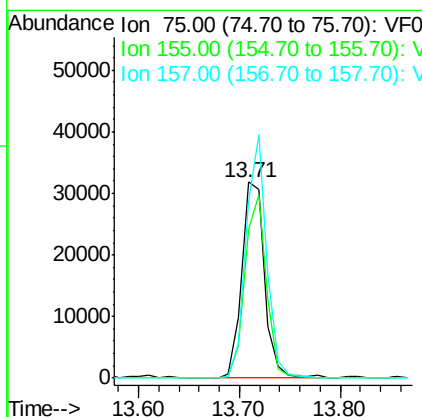
Manual Integrations
 APPROVED

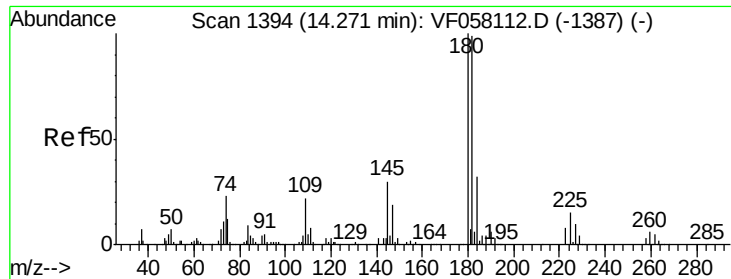
apatel
 6/7/2018 12:37:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.287 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50338		
155	76.0	38.0	114.0	
157	90.3	45.1	135.5	





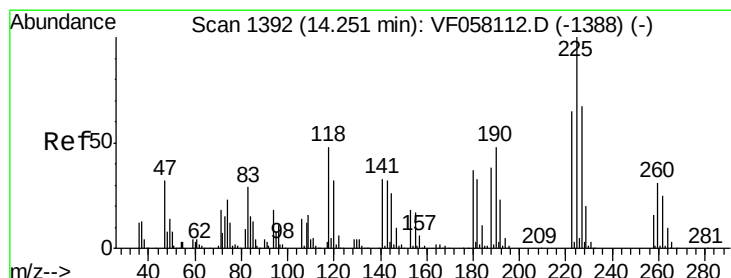
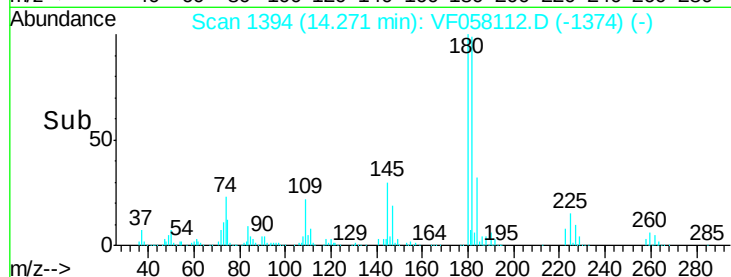
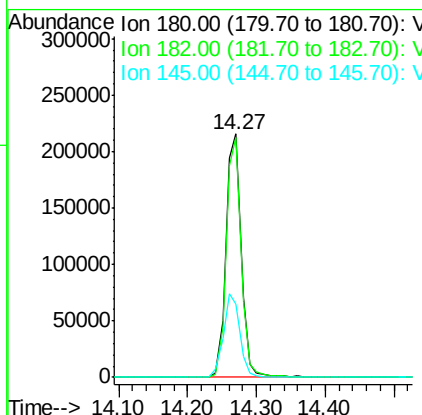
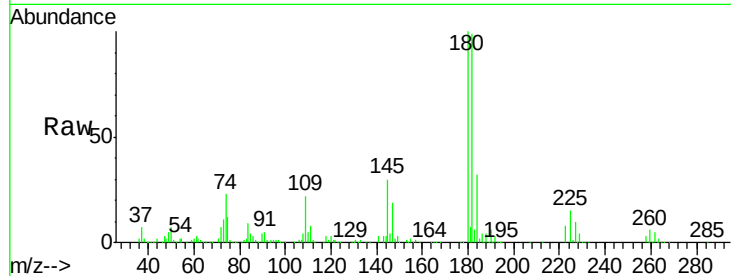
#93
 1,2,4-Trichlorobenzene
 Concen: 49.470 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	332394		
182	98.6	49.3	147.9	
145	29.9	14.9	44.9	

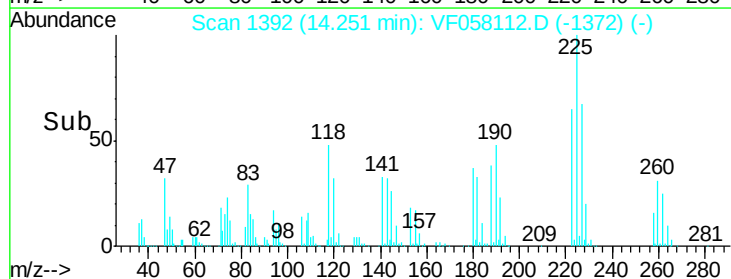
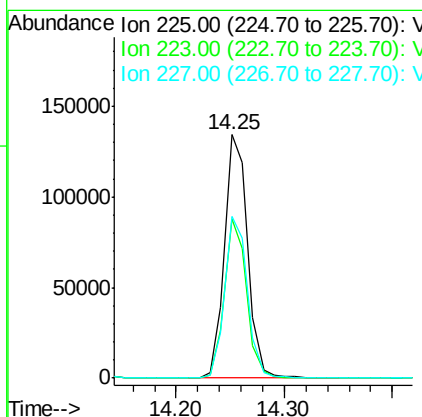
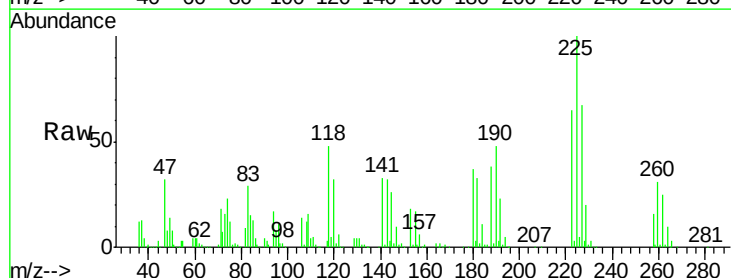
Manual Integrations
 APPROVED

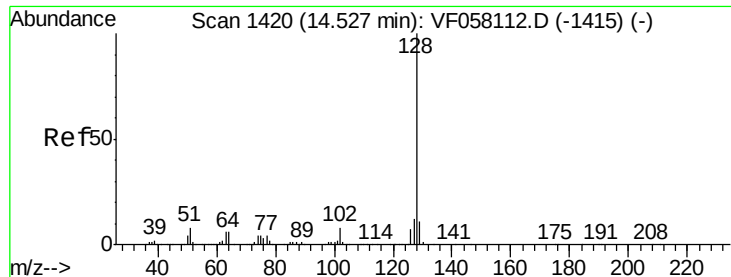
apatel
 6/7/2018 12:37:46 PM



#94
 Hexachlorobutadiene
 Concen: 51.552 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF058112.D
 Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	199977		
223	65.5	32.8	98.3	
227	66.6	33.3	99.9	





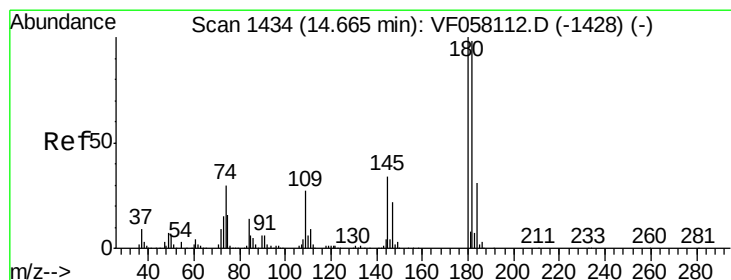
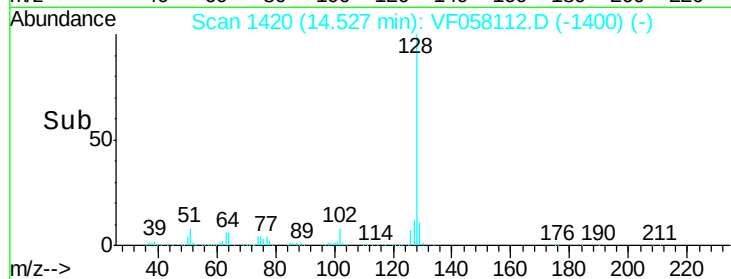
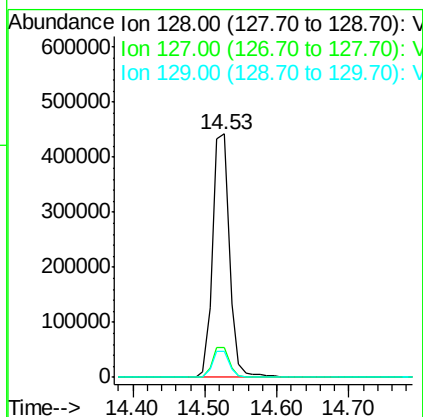
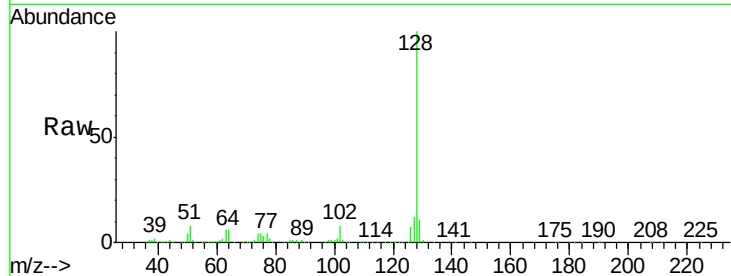
#95
Naphthalene
Concen: 49.468 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	709546		
127	12.4	9.9	14.9	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.838 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF058112.D
Acq: 6 Jun 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	321827		
182	97.7	48.9	146.6	
145	34.5	17.3	51.7	

