

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056650.D
 Acq On : 23 Feb 2018 11:24
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 2/26/2018 10:57:54 AM

Quant Time: Feb 24 00:51:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.78	168	440798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.51	114	693326	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.68	117	658079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.47	152	336121	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.75	65	274846	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	4.02	113	266666	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	7.47	98	765947	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.33	95	347375	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.93	85	203485	45.77	ug/l	96
3) Chloromethane	1.02	50	219383	44.25	ug/l	99
4) Vinyl Chloride	1.09	62	180100	51.13	ug/l	95
5) Bromomethane	1.26	94	96163	48.82	ug/l	99
6) Chloroethane	1.33	64	63087	44.57	ug/l	99
7) Trichlorofluoromethane	1.39	101	217232m	59.15	ug/l	
8) Diethyl Ether	1.59	74	69649	52.86	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.78	101	164517	52.90	ug/l	95
10) Methyl Iodide	1.84	142	316833m	54.65	ug/l	
11) Tert butyl alcohol	2.50	59	96018	266.95	ug/l #	91
12) 1,1-Dichloroethene	1.71	96	147854	51.61	ug/l	98
13) Acrolein	1.95	56	84584	219.68	ug/l	90
14) Allyl chloride	2.04	41	255508	51.88	ug/l	93
15) Acrylonitrile	2.86	53	224561	247.75	ug/l	95
16) Acetone	2.18	43	456856	291.31	ug/l	97
17) Carbon Disulfide	1.72	76	410855	55.00	ug/l	96
18) Methyl Acetate	2.29	43	144961	46.48	ug/l	93
19) Methyl tert-butyl Ether	2.37	73	437398	51.63	ug/l	100
20) Methylene Chloride	2.13	84	157065	52.61	ug/l	92
21) trans-1,2-Dichloroethene	2.26	96	161109	53.38	ug/l	86
22) Diisopropyl ether	2.73	45	553980	50.18	ug/l	98
23) Vinyl Acetate	3.11	43	2170836	241.68	ug/l	98
24) 1,1-Dichloroethane	2.80	63	325260	53.34	ug/l	99
25) 2-Butanone	4.23	43	607461	217.82	ug/l	98
26) 2,2-Dichloropropane	3.52	77	198232	58.74	ug/l	97
27) cis-1,2-Dichloroethene	3.39	96	247262	48.76	ug/l	99
28) Bromochloromethane	3.63	49	150458	48.62	ug/l	93
29) Tetrahydrofuran	3.98	42	275951	213.70	ug/l	98
30) Chloroform	3.77	83	436822	50.05	ug/l	99
31) Cyclohexane	3.63	56	291415	44.49	ug/l	92
32) 1,1,1-Trichloroethane	4.02	97	289232	54.70	ug/l	98
36) 1,1-Dichloropropene	4.19	75	319435	48.93	ug/l	97
37) Ethyl Acetate	4.02	43	248847	42.63	ug/l #	95
38) Carbon Tetrachloride	3.91	117	289877	59.65	ug/l	97

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056650.D
 Acq On : 23 Feb 2018 11:24
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 2/26/2018 10:57:54 AM

Quant Time: Feb 24 00:51:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.38	83	333735	47.27	ug/l	98
40) Benzene	4.55	78	794860	48.01	ug/l	97
41) Methacrylonitrile	4.65	41	115004	40.59	ug/l	94
42) 1,2-Dichloroethane	4.85	62	324197	50.38	ug/l	96
43) Isopropyl Acetate	6.87	43	326870	45.68	ug/l	99
44) Trichloroethene	5.42	130	234241	48.22	ug/l	96
45) 1,2-Dichloropropane	6.14	63	225580	47.82	ug/l	98
46) Dibromomethane	6.00	93	182779	50.37	ug/l	94
47) Bromodichloromethane	6.29	83	354889	52.92	ug/l	97
48) Methyl methacrylate	6.63	41	200570	47.83	ug/l	92
49) 1,4-Dioxane	6.62	88	44490	1029.24	ug/l	98
51) 4-Methyl-2-Pentanone	8.17	43	1051553	214.82	ug/l	99
52) Toluene	7.53	92	523235	47.46	ug/l	98
53) t-1,3-Dichloropropene	8.18	75	335704	49.70	ug/l	99
54) cis-1,3-Dichloropropene	7.21	75	377448	48.02	ug/l	96
55) 1,1,2-Trichloroethane	8.39	97	208426	47.72	ug/l	96
56) Ethyl methacrylate	8.53	69	276595	48.49	ug/l	95
57) 1,3-Dichloropropane	8.76	76	352502	46.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.53	63	80470	103.77	ug/l	100
59) 2-Hexanone	9.40	43	888408	223.61	ug/l	99
60) Dibromochloromethane	8.62	129	277615	52.42	ug/l	97
61) 1,2-Dibromoethane	8.88	107	248556	49.14	ug/l	93
64) Tetrachloroethene	8.07	164	216432	45.70	ug/l	99
65) Chlorobenzene	9.70	112	628880	48.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.83	131	223751	50.34	ug/l	97
67) Ethyl Benzene	9.81	91	1036424	47.13	ug/l	98
68) m/p-Xylenes	10.04	106	746979	92.88	ug/l	97
69) o-Xylene	10.63	106	387880	46.46	ug/l	99
70) Styrene	10.70	104	632047	47.77	ug/l	98
71) Bromoform	10.68	173	176621	49.65	ug/l	100
73) Isopropylbenzene	11.04	105	1118317	50.51	ug/l	100
74) N-amyl acetate	11.30	43	446138	45.05	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.62	83	302499	45.16	ug/l	97
76) 1,2,3-Trichloropropane	11.71	75	234064	45.54	ug/l	100
77) Bromobenzene	11.42	156	304747	50.74	ug/l	97
78) n-propylbenzene	11.52	91	1324286	48.55	ug/l	100
79) 2-Chlorotoluene	11.64	91	771344	48.02	ug/l	98
80) 1,3,5-Trimethylbenzene	11.75	105	881479	48.05	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.79	75	140257	49.81	ug/l	97
82) 4-Chlorotoluene	11.82	91	858521	49.13	ug/l	97
83) tert-Butylbenzene	12.06	119	888955	50.04	ug/l	98
84) 1,2,4-Trimethylbenzene	12.13	105	946125	49.45	ug/l	99
85) sec-Butylbenzene	12.24	105	1202665	49.17	ug/l	94
86) p-Isopropyltoluene	12.38	119	950845	48.42	ug/l	98
87) 1,3-Dichlorobenzene	12.39	146	516304	46.75	ug/l	99
88) 1,4-Dichlorobenzene	12.48	146	514078	48.48	ug/l	99
89) n-Butylbenzene	12.77	91	1003652	55.22	ug/l	99
90) Hexachloroethane	12.84	117	206009	54.58	ug/l	94
91) 1,2-Dichlorobenzene	12.87	146	516170	48.71	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.56	75	59671	47.82	ug/l	97

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
Data File : VF056650.D
Acq On : 23 Feb 2018 11:24
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM

Quant Time: Feb 24 00:51:27 2018
Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 21 08:56:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	353191	49.10	ug/l	95
94) Hexachlorobutadiene	14.11	225	193629	47.20	ug/l	98
95) Naphthalene	14.37	128	853453	47.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.51	180	330689	47.58	ug/l	99

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

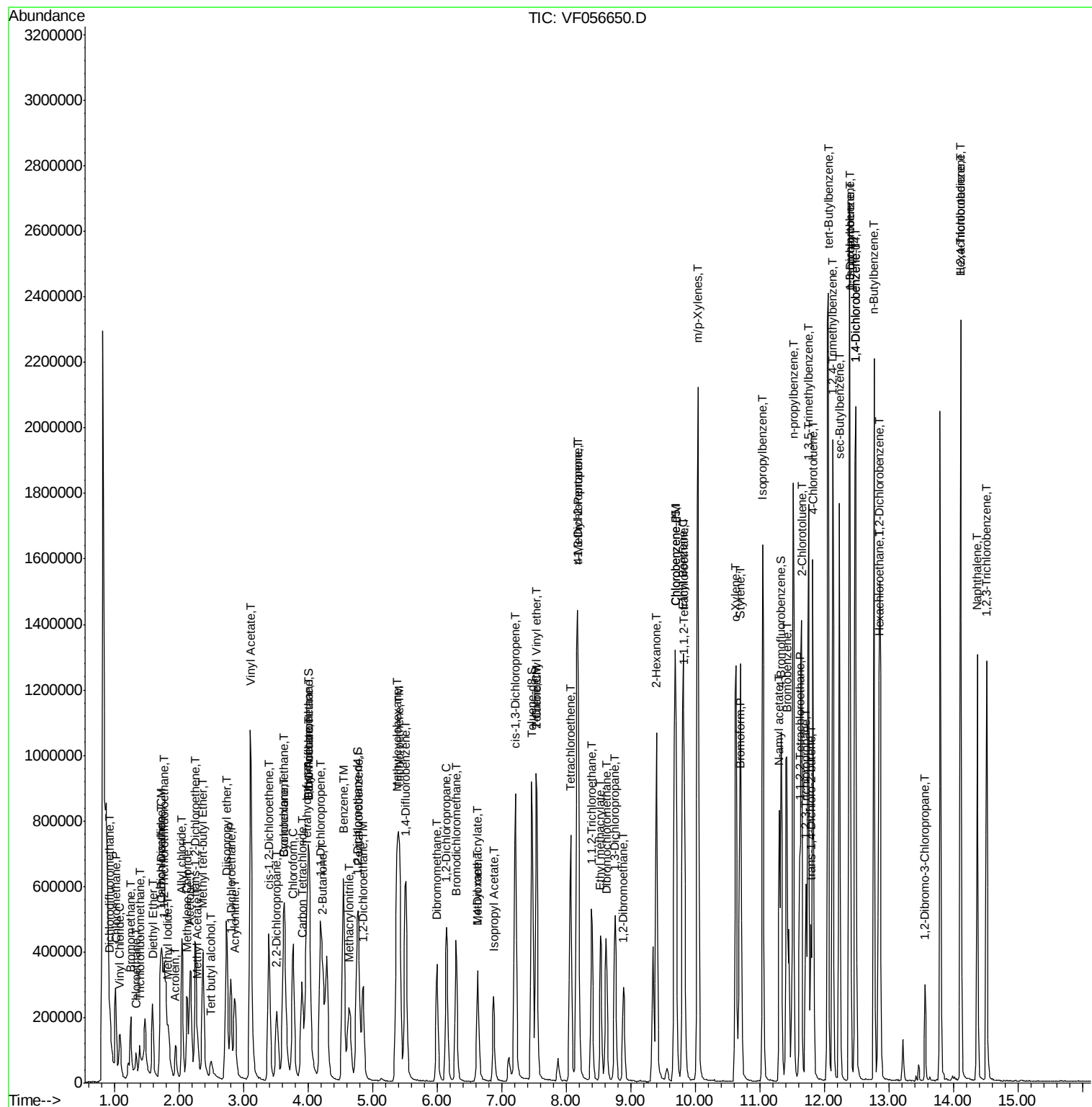
Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056650.D
 Acq On : 23 Feb 2018 11:24
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

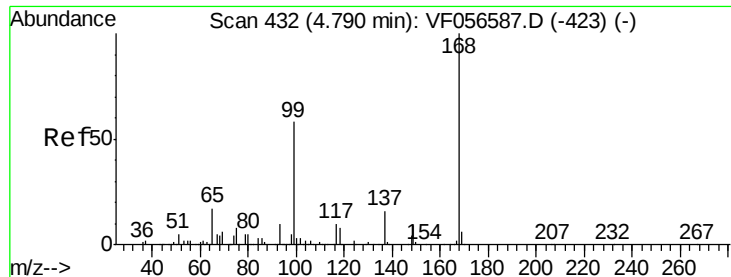
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 2/26/2018 10:57:54 AM

Quant Time: Feb 24 00:51:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.78 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 440798

Ion Ratio Lower Upper

168 100

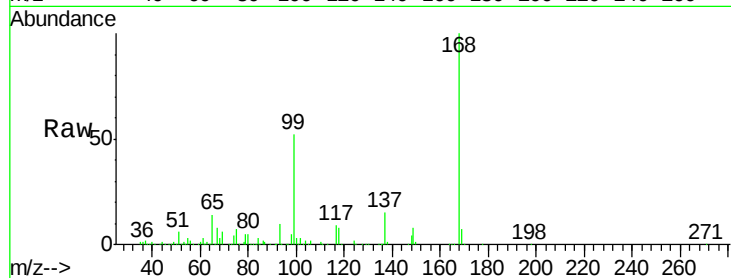
99 52.1 46.2 69.2

Manual Integrations

APPROVED

apatel

2/26/2018 10:57:54 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

150000

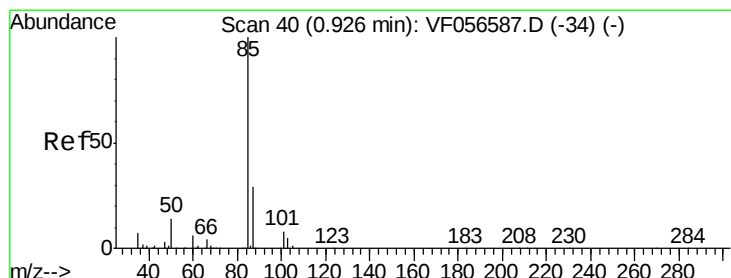
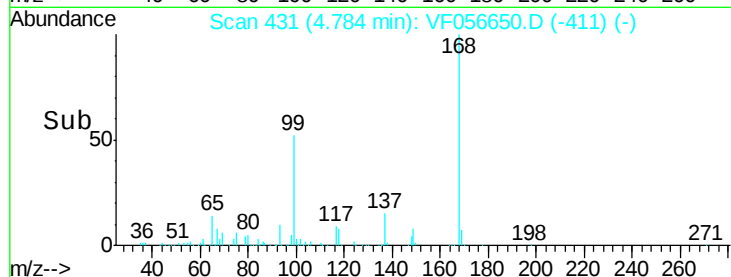
100000

50000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 45.77 ug/l

RT: 0.93 min Scan# 40

Delta R.T. 0.00 min

Lab File: VF056650.D

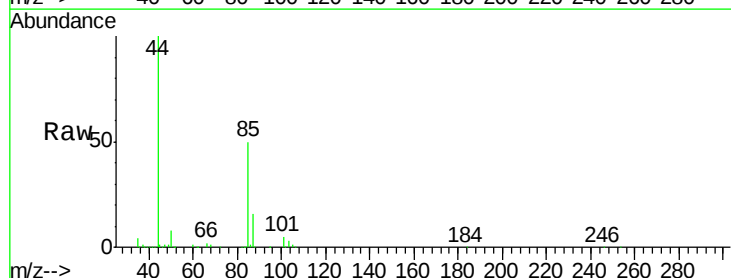
Acq: 23 Feb 2018 11:24

Tgt Ion: 85 Resp: 203485

Ion Ratio Lower Upper

85 100

87 31.8 14.7 44.1



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

50000

40000

30000

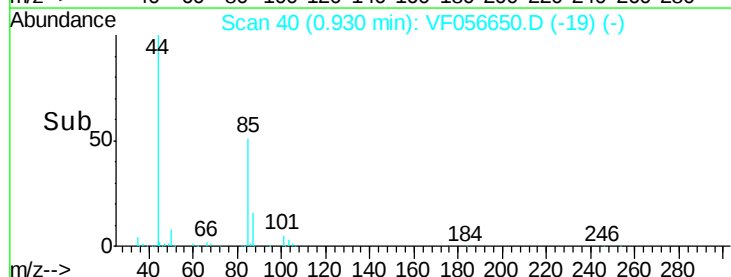
20000

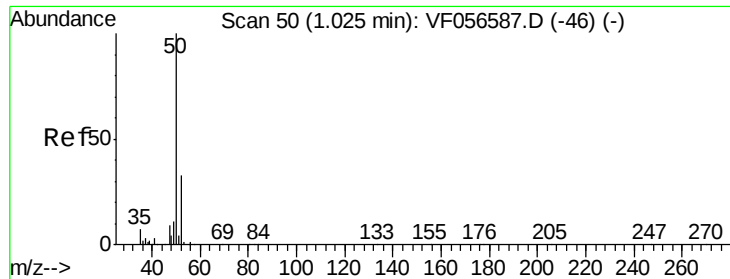
10000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 44.25 ug/l

RT: 1.02 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 219383

Ion Ratio Lower Upper

50 100

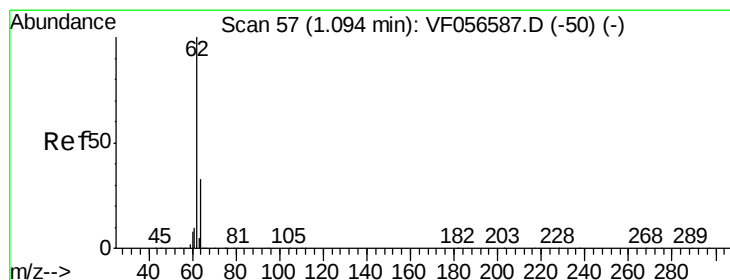
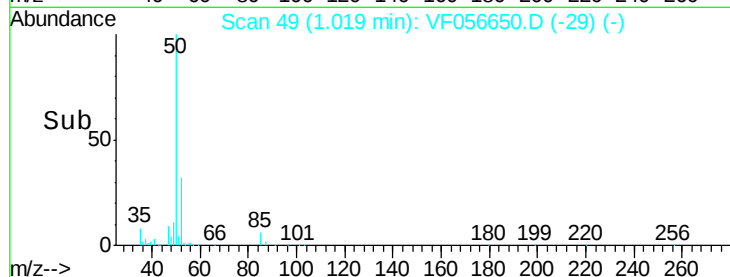
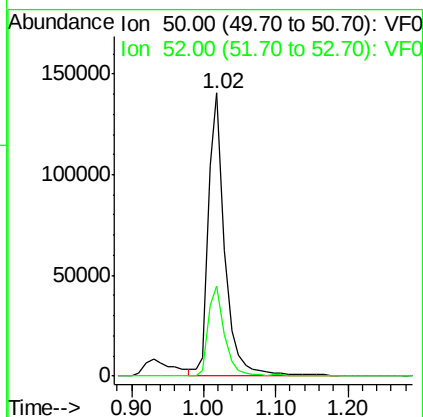
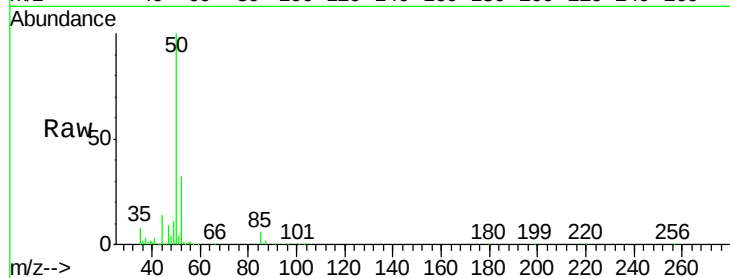
52 31.9 25.8 38.8

Manual Integrations

APPROVED

apatel

2/26/2018 10:57:54 AM



#4

Vinyl Chloride

Concen: 51.13 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF056650.D

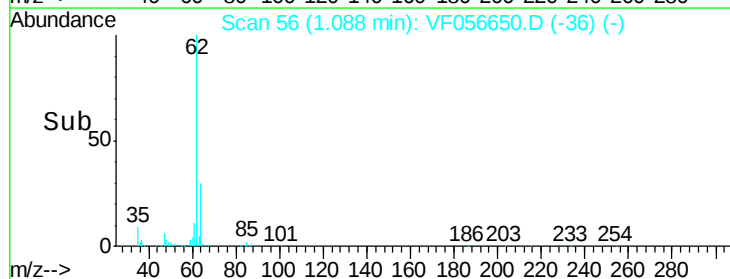
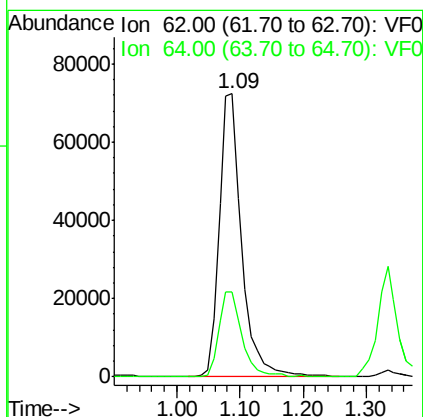
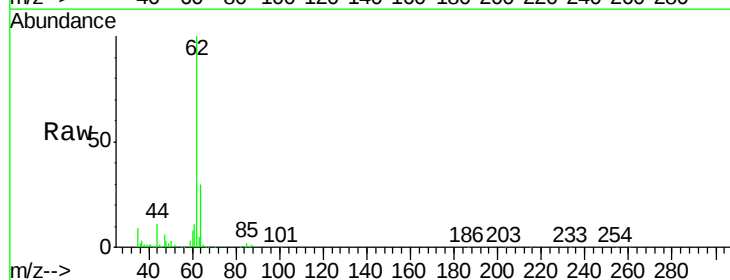
Acq: 23 Feb 2018 11:24

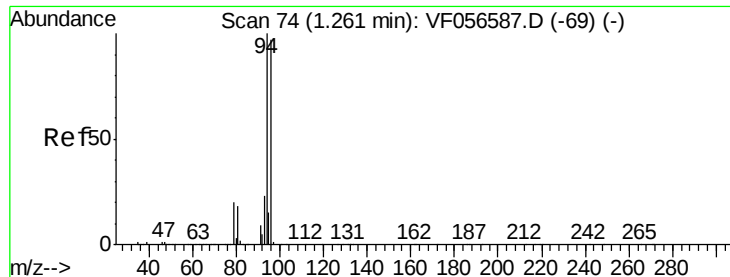
Tgt Ion: 62 Resp: 180100

Ion Ratio Lower Upper

62 100

64 30.1 26.4 39.6





#5

Bromomethane

Concen: 48.82 ug/l

RT: 1.26 min Scan# 73

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 96163

Ion Ratio Lower Upper

94 100

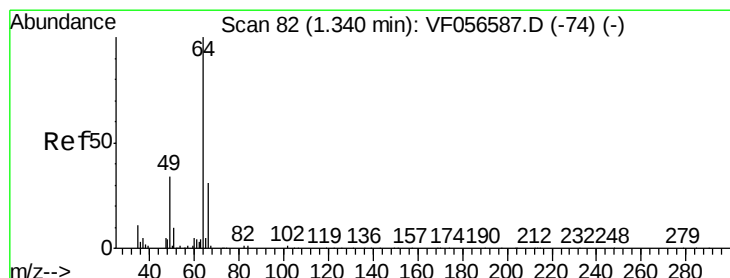
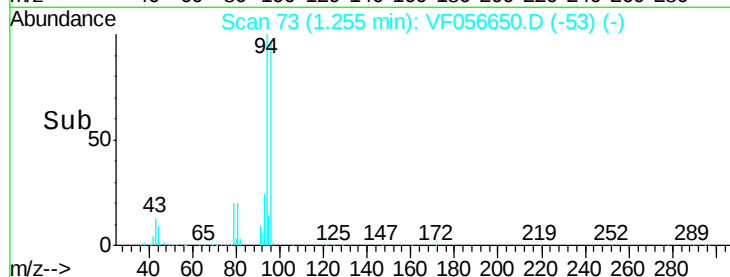
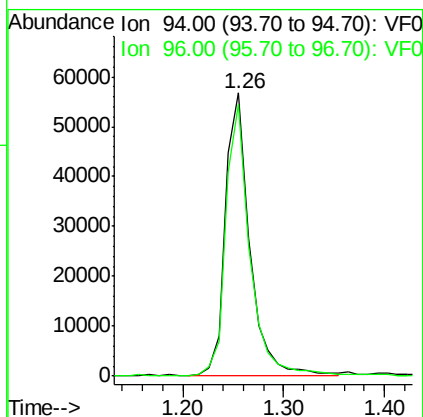
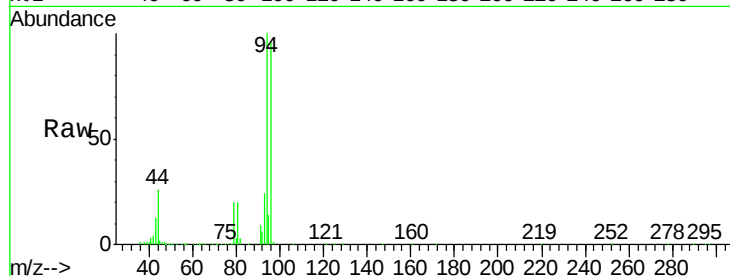
96 96.0 77.4 116.0

Manual Integrations

APPROVED

apatel

2/26/2018 10:57:54 AM



#6

Chloroethane

Concen: 44.57 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF056650.D

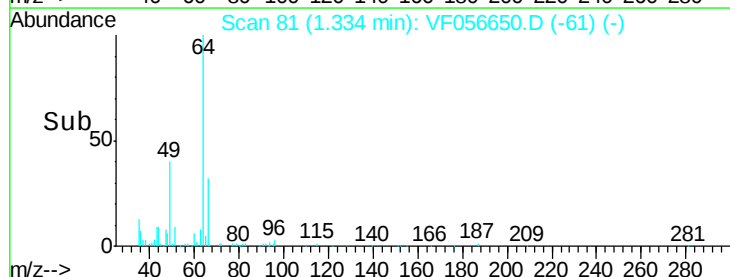
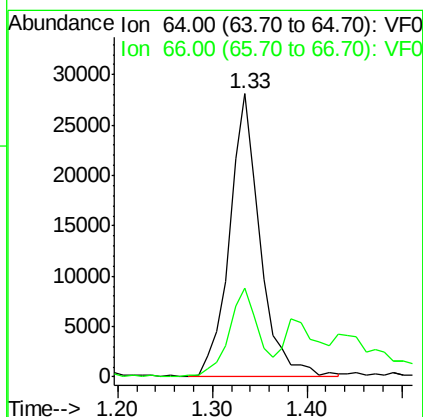
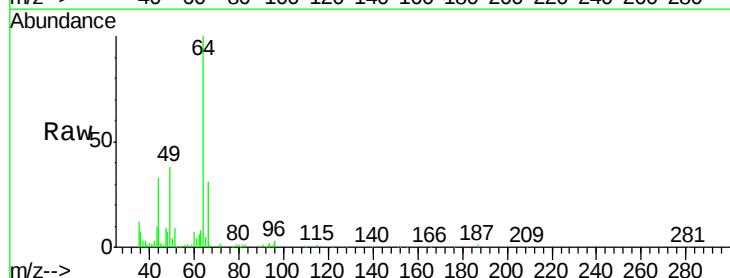
Acq: 23 Feb 2018 11:24

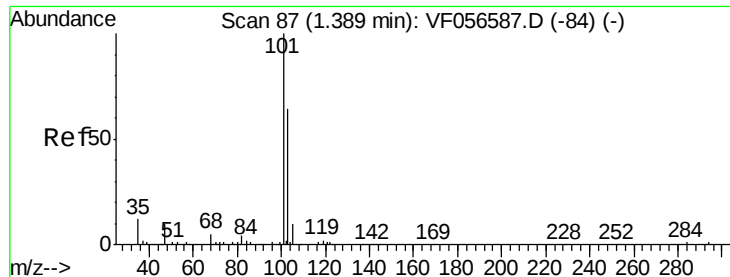
Tgt Ion: 64 Resp: 63087

Ion Ratio Lower Upper

64 100

66 31.2 25.4 38.2





#7

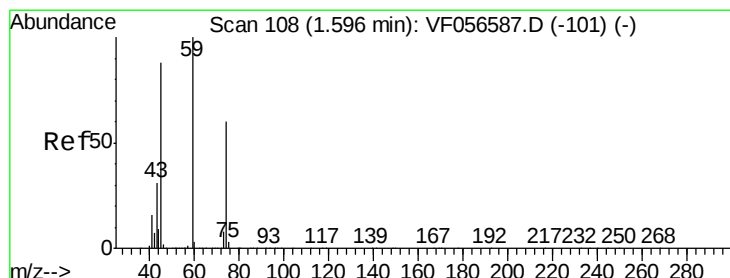
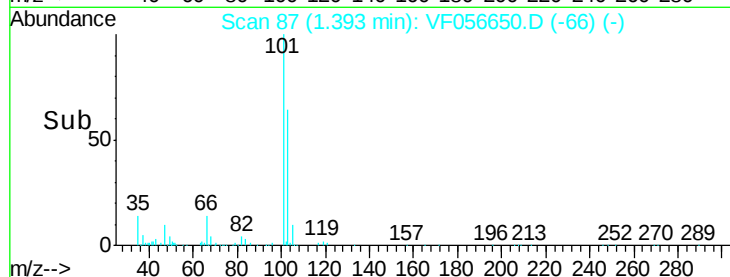
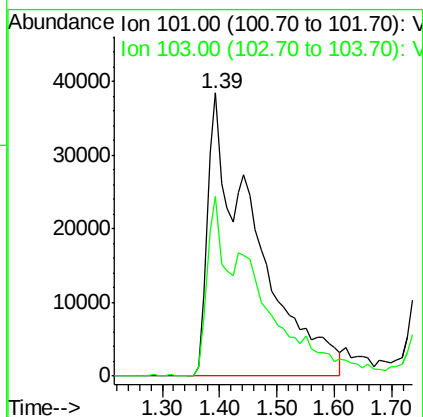
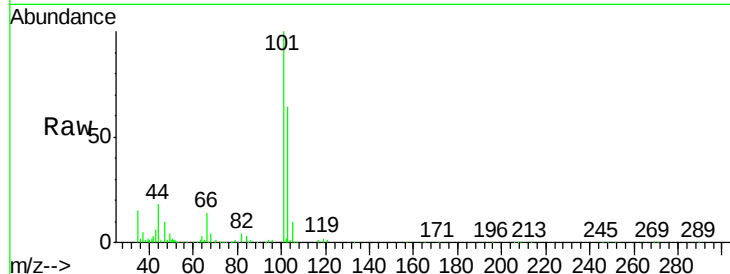
Trichlorofluoromethane
Concen: 59.15 ug/l m
RT: 1.39 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.4	77.0

Manual Integrations
APPROVED

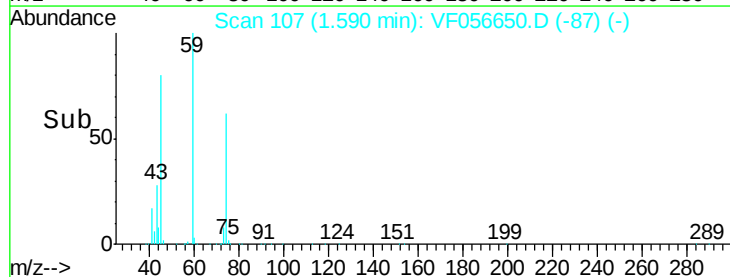
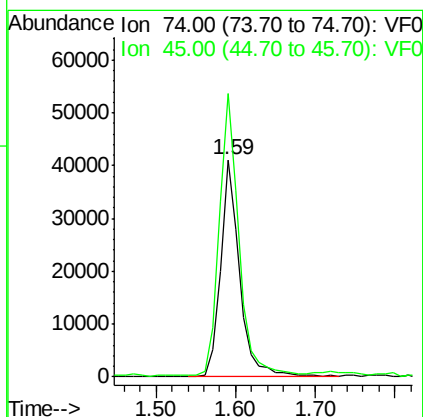
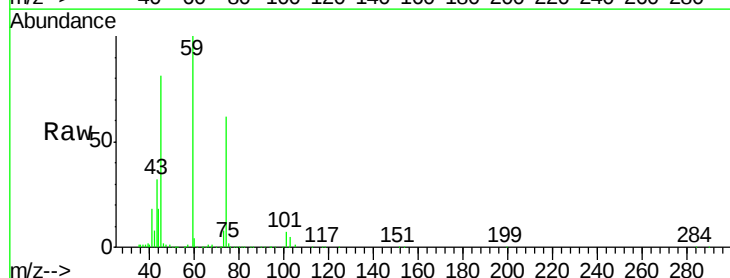
apatel
2/26/2018 10:57:54 AM

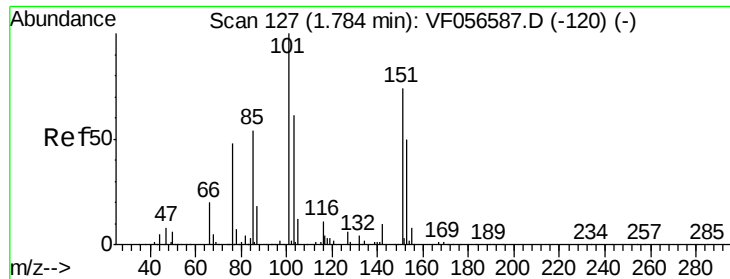


#8

Diethyl Ether
Concen: 52.86 ug/l
RT: 1.59 min Scan# 107
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.5	73.5	220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.90 ug/l

RT: 1.78 min Scan# 126

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

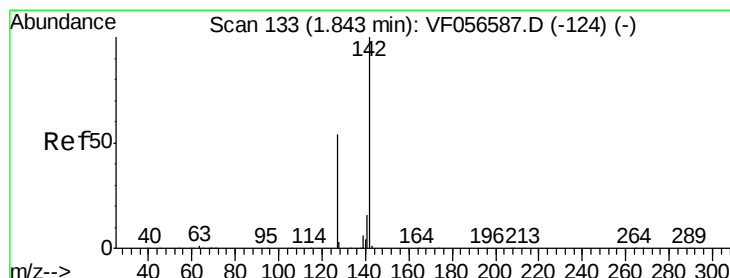
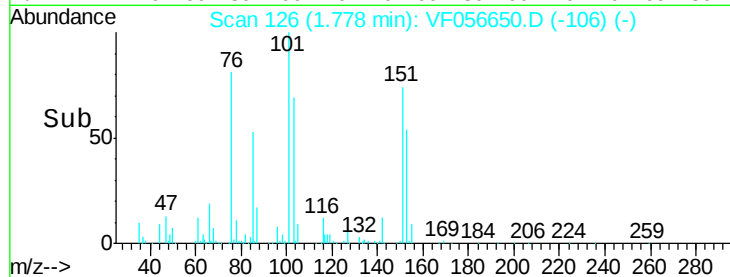
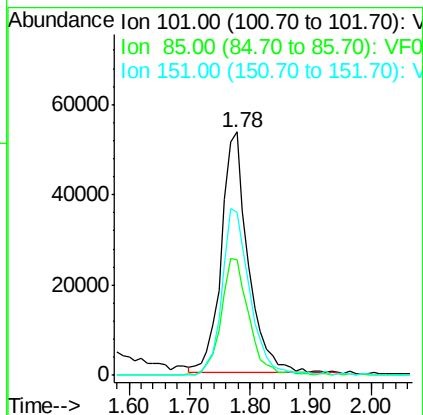
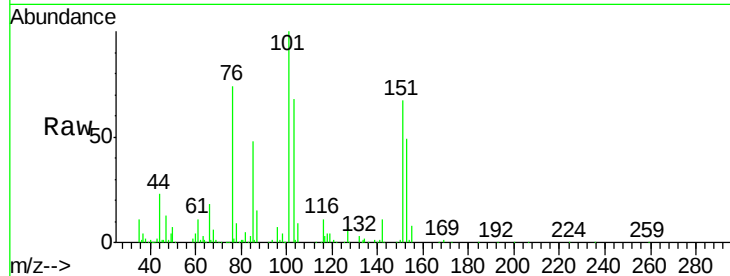
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	164517
Ion Ratio	Lower	Upper	
101	100		
85	47.6	41.7	62.5
151	66.8	56.6	85.0

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#10

Methyl Iodide

Concen: 54.65 ug/l m

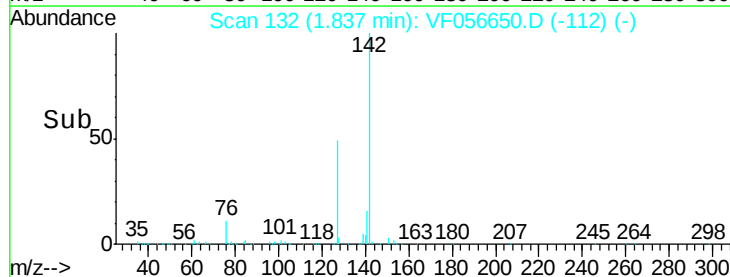
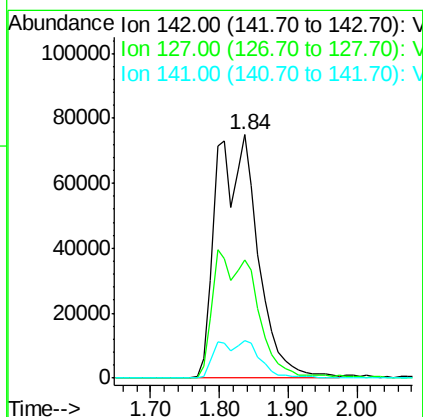
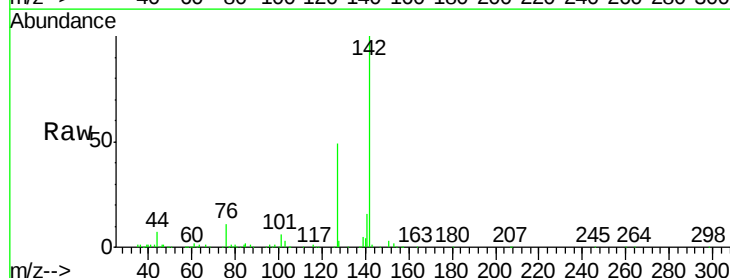
RT: 1.84 min Scan# 132

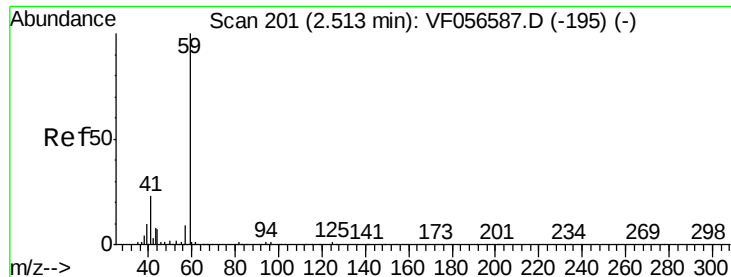
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	142	Resp:	316833
Ion Ratio	Lower	Upper	
142	100		
127	48.7	43.4	65.0
141	15.5	13.0	19.4





#11

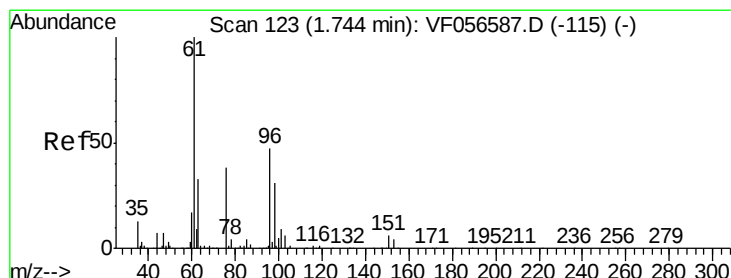
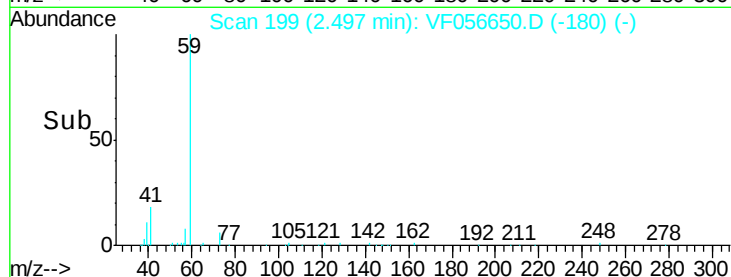
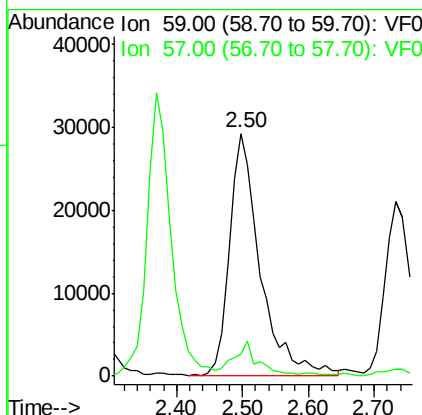
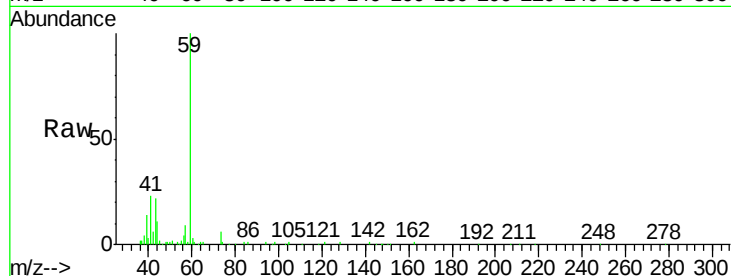
Tert butyl alcohol
Concen: 266.95 ug/l
RT: 2.50 min Scan# 199
Delta R.T. -0.02 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.2	10.3	15.5#

Manual Integrations
APPROVED

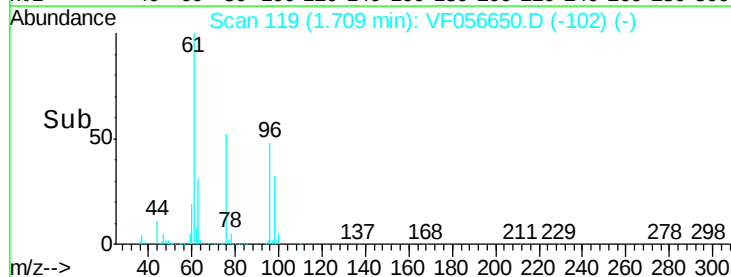
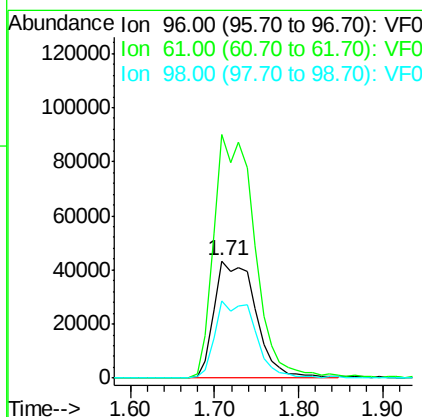
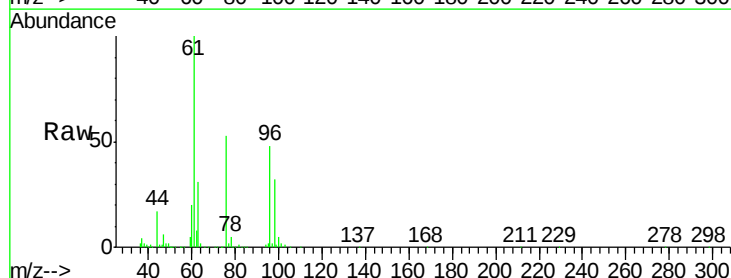
apatel
2/26/2018 10:57:54 AM

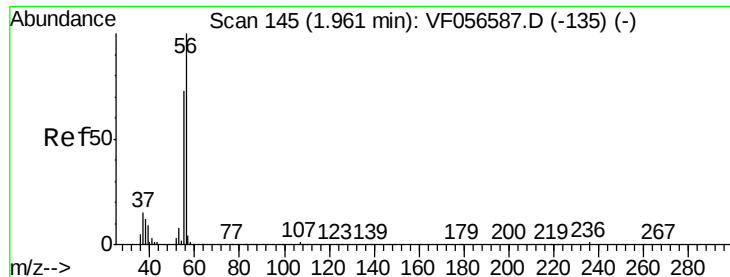


#12

1,1-Dichloroethene
Concen: 51.61 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.04 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	208.0	168.8	253.2
98	66.5	52.2	78.4





#13

Acrolein

Concen: 219.68 ug/l

RT: 1.95 min Scan# 143

Delta R.T. -0.02 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 84584

Ion Ratio Lower Upper

56 100

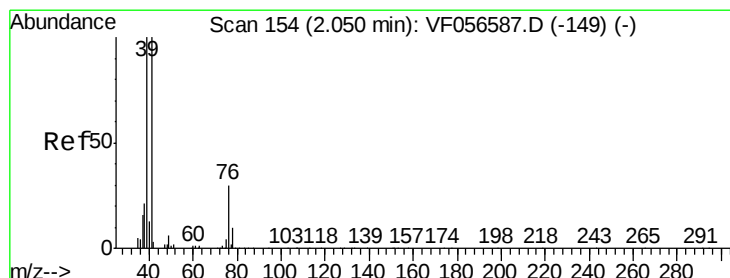
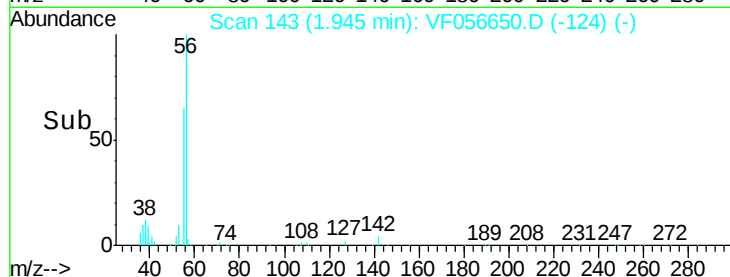
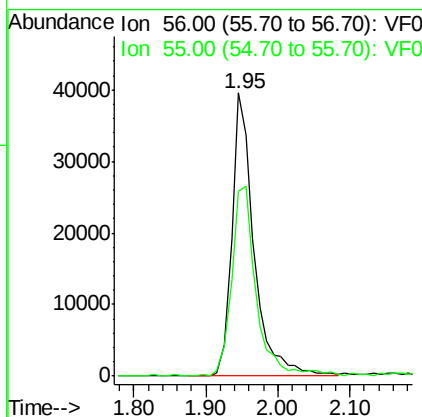
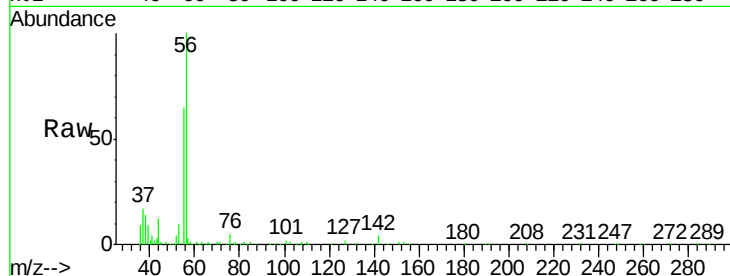
55 65.2 58.6 88.0

Manual Integrations

APPROVED

apatel

2/26/2018 10:57:54 AM



#14

Allyl chloride

Concen: 51.88 ug/l

RT: 2.04 min Scan# 153

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

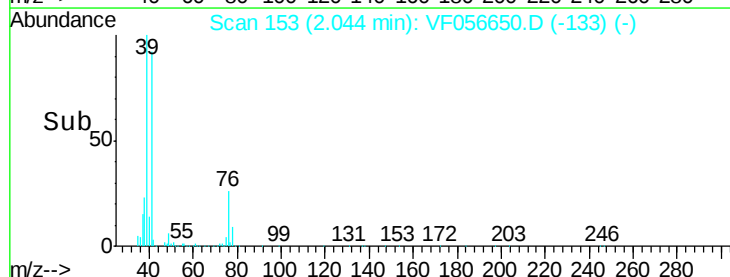
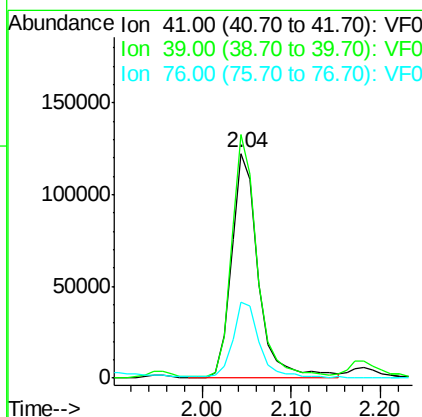
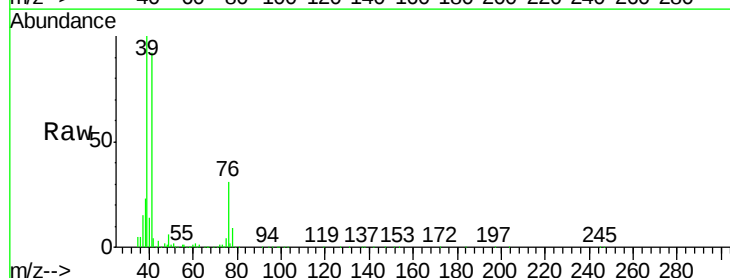
Tgt Ion: 41 Resp: 255508

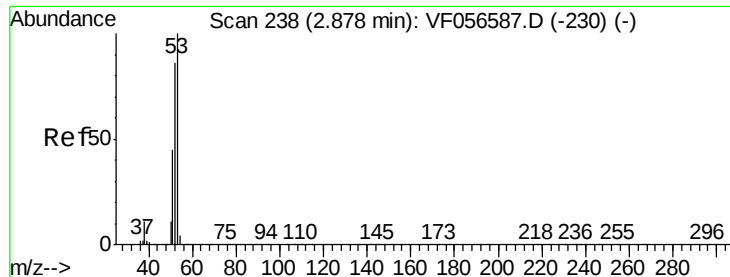
Ion Ratio Lower Upper

41 100

39 108.2 79.8 119.6

76 34.0 25.4 38.2





#15

Acrylonitrile

Concen: 247.75 ug/l

RT: 2.86 min Scan# 236

Delta R.T. -0.02 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

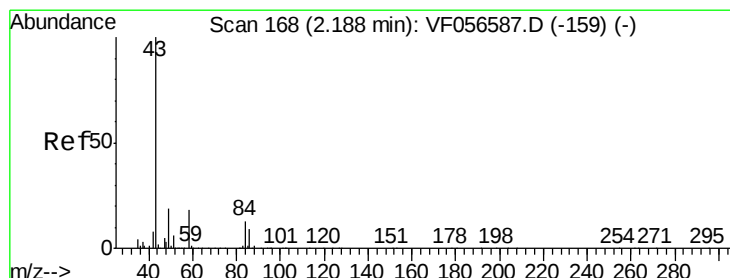
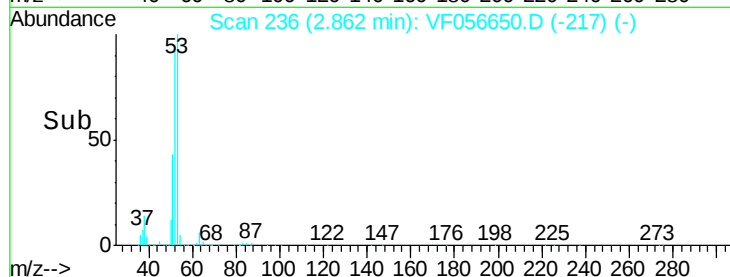
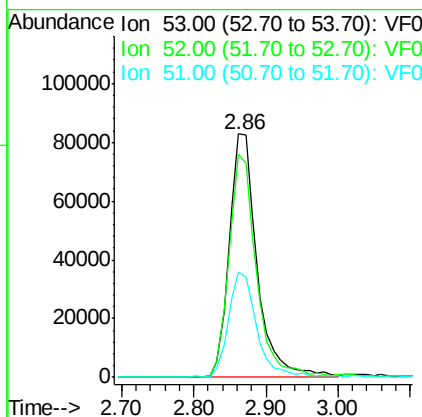
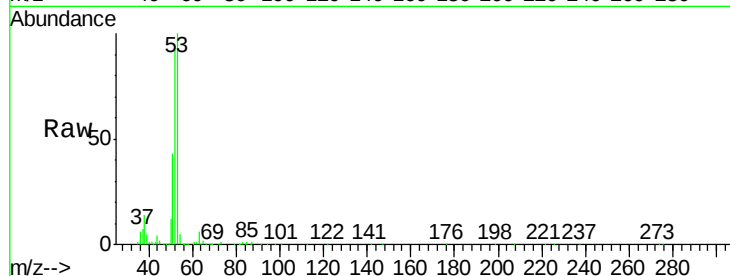
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	224561
Ion	Ratio	Lower	Upper
53	100		
52	91.7	68.4	102.6
51	43.4	35.8	53.6

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#16

Acetone

Concen: 291.31 ug/l

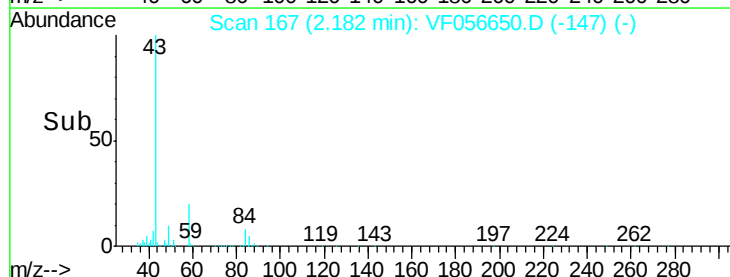
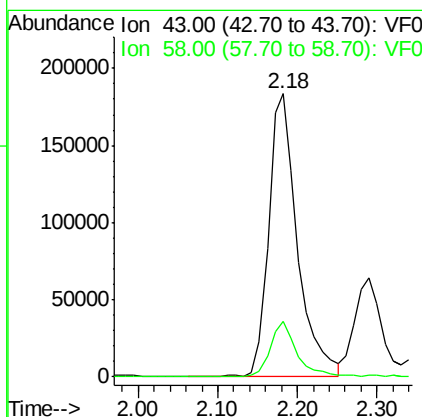
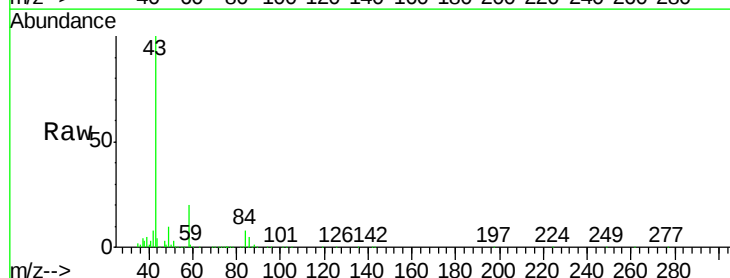
RT: 2.18 min Scan# 167

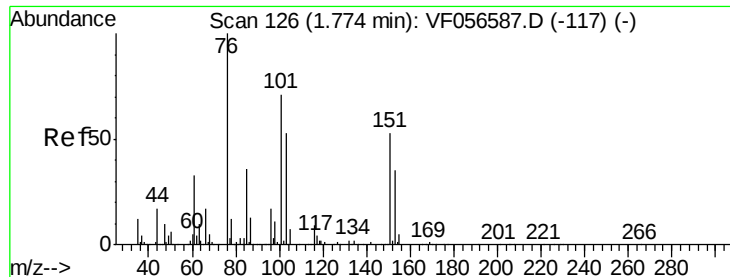
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	43	Resp:	456856
Ion	Ratio	Lower	Upper
43	100		
58	19.5	14.7	22.1





#17

Carbon Disulfide

Concen: 55.00 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.06 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 410855

Ion Ratio Lower Upper

76 100

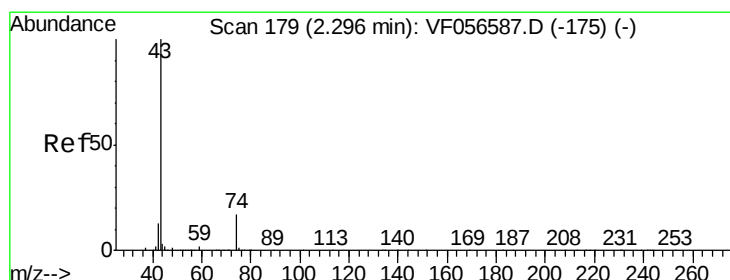
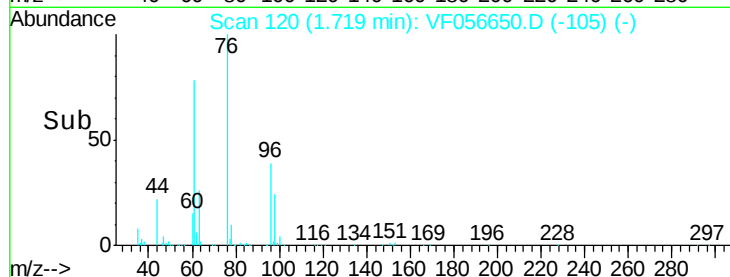
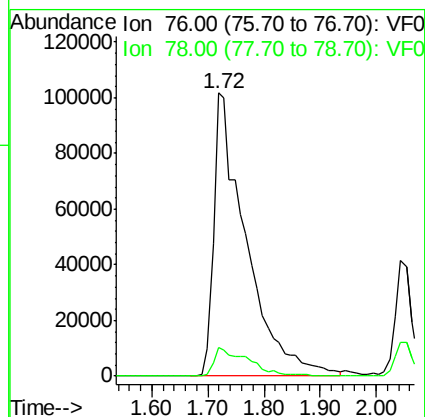
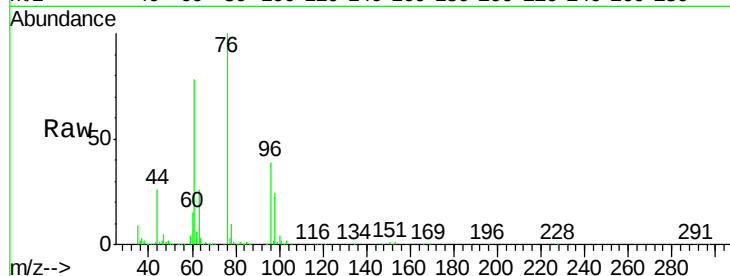
78 10.3 9.5 14.3

Manual Integrations

APPROVED

apatel

2/26/2018 10:57:54 AM



#18

Methyl Acetate

Concen: 46.48 ug/l

RT: 2.29 min Scan# 178

Delta R.T. -0.01 min

Lab File: VF056650.D

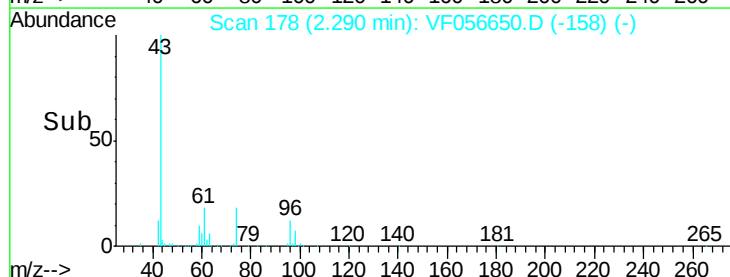
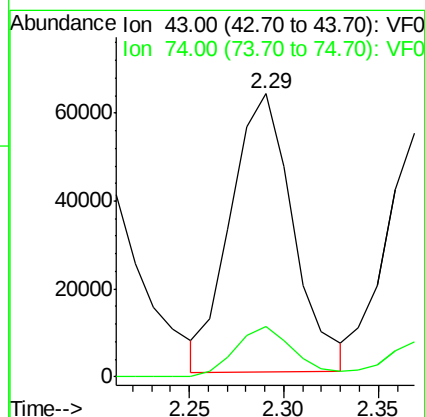
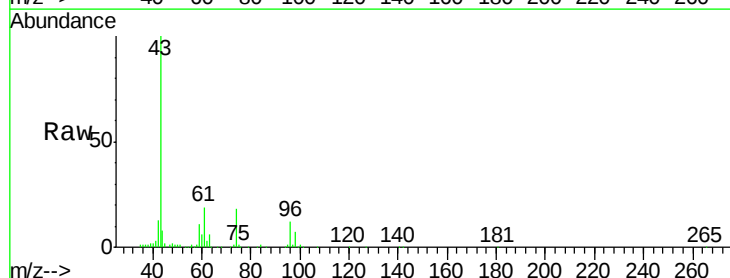
Acq: 23 Feb 2018 11:24

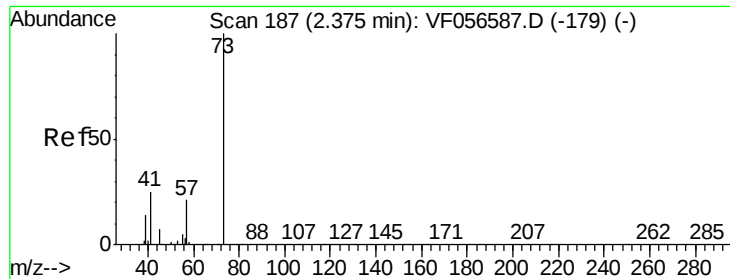
Tgt Ion: 43 Resp: 144961

Ion Ratio Lower Upper

43 100

74 17.8 12.0 18.0





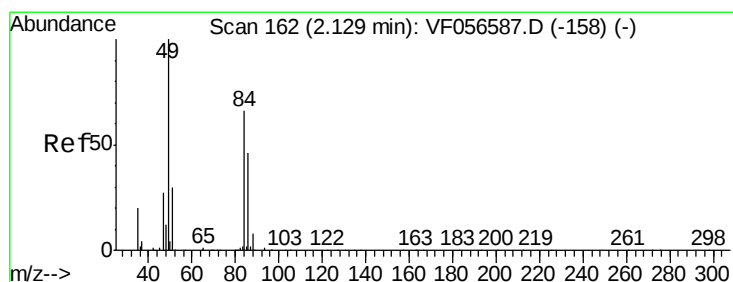
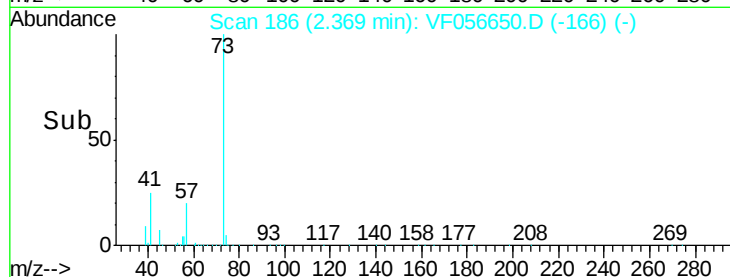
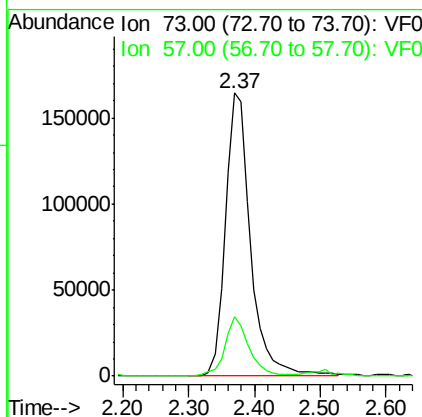
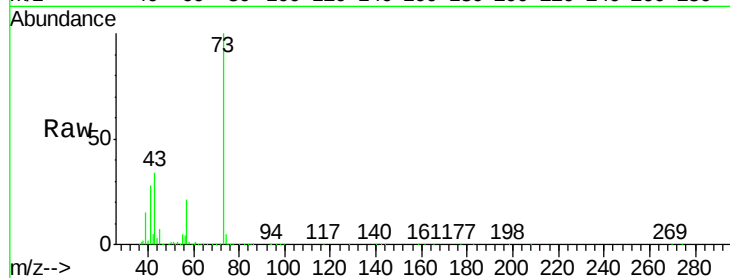
#19
Methyl tert-butyl Ether
Concen: 51.63 ug/l
RT: 2.37 min Scan# 186
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 437398
Ion Ratio Lower Upper
73 100
57 20.8 16.7 25.1

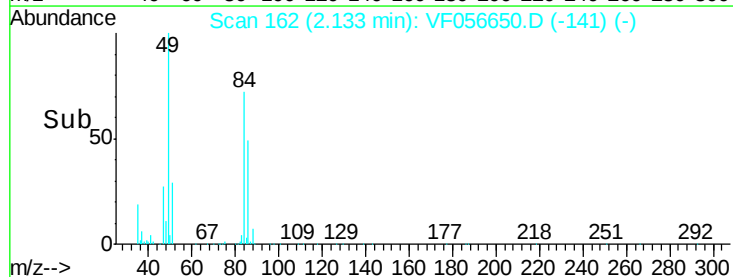
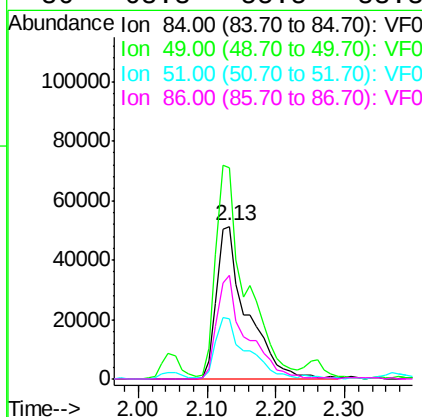
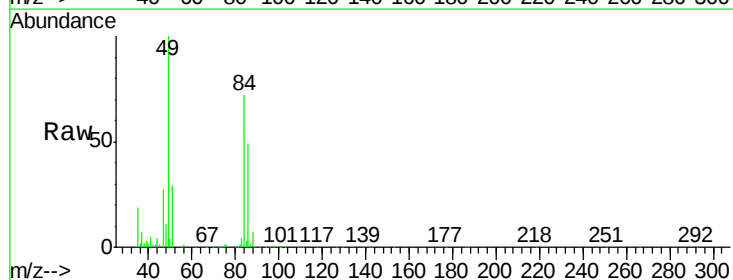
Manual Integrations
APPROVED

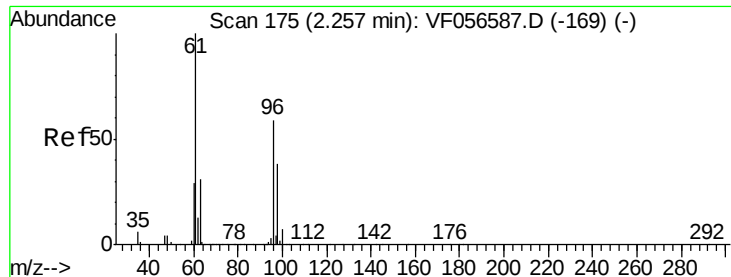
apatel
2/26/2018 10:57:54 AM



#20
Methylene Chloride
Concen: 52.61 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.00 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 84 Resp: 157065
Ion Ratio Lower Upper
84 100
49 138.0 121.4 182.0
51 39.4 37.1 55.7
86 68.3 55.5 83.3





#21

trans-1,2-Dichloroethene

Concen: 53.38 ug/l

RT: 2.26 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

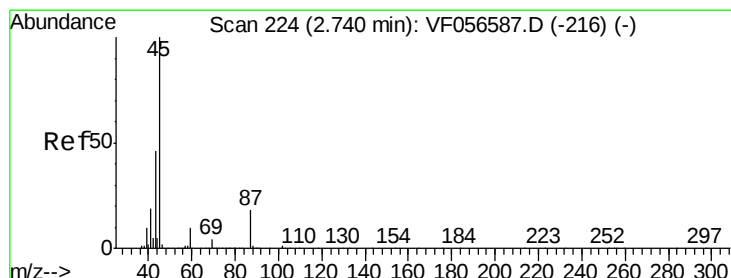
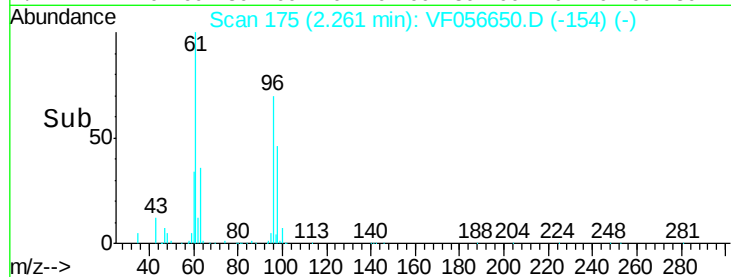
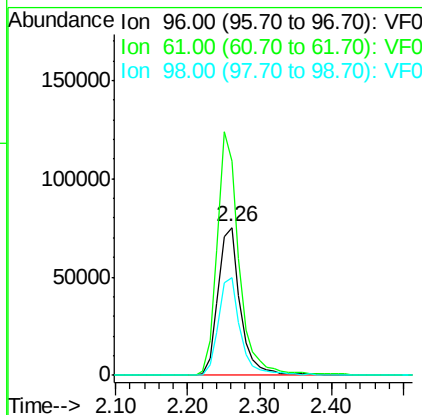
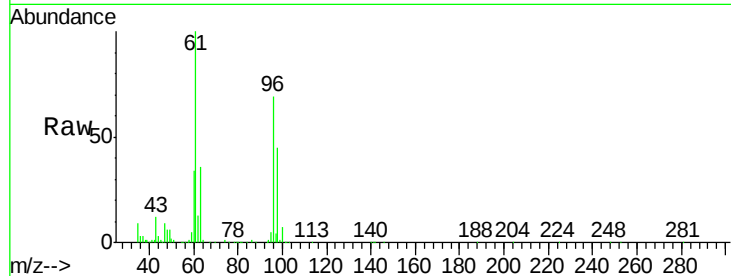
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	161109
Ion	Ratio	Lower	Upper
96	100		
61	144.9	136.4	204.6
98	65.9	51.4	77.0

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#22

Diisopropyl ether

Concen: 50.18 ug/l

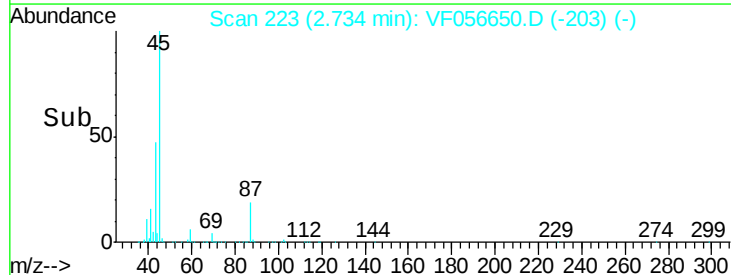
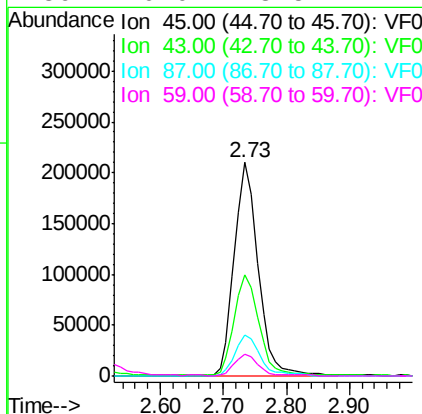
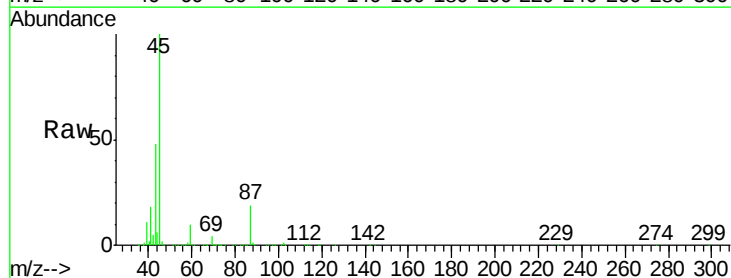
RT: 2.73 min Scan# 223

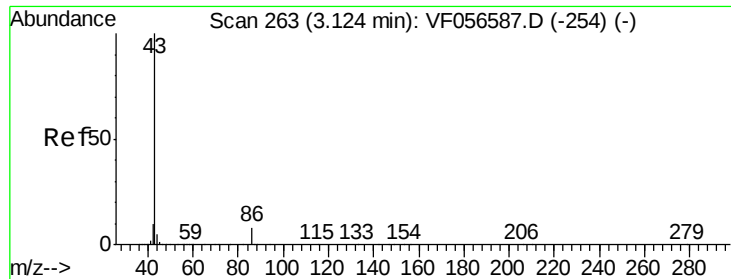
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	45	Resp:	553980
Ion	Ratio	Lower	Upper
45	100		
43	47.6	37.4	56.0
87	19.3	14.6	22.0
59	10.0	8.5	12.7





#23

Vinyl Acetate

Concen: 241.68 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.02 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2170836

Ion Ratio Lower Upper

43 100

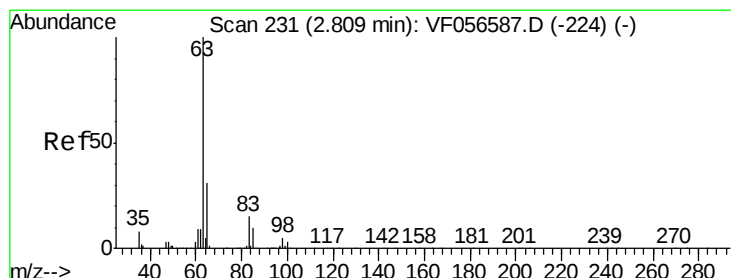
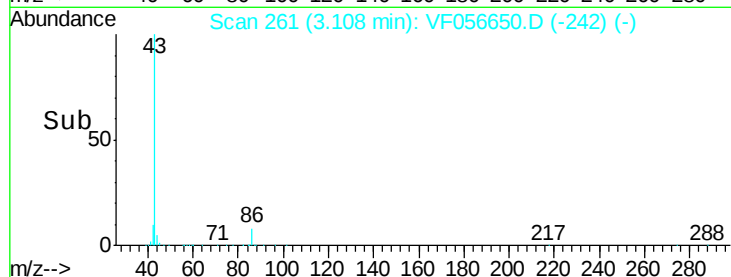
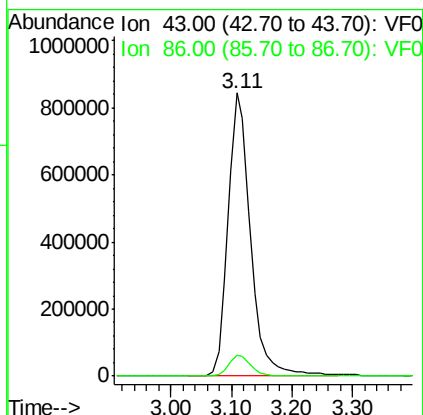
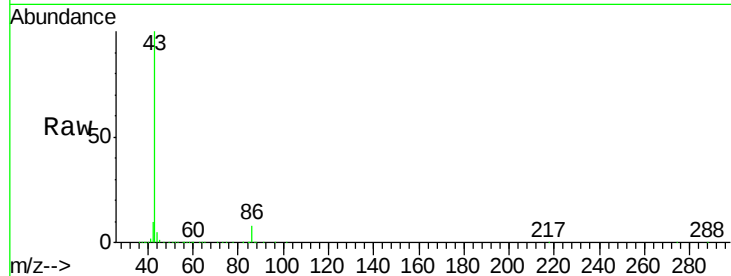
86 7.6 6.6 10.0

Manual Integrations

APPROVED

apatel

2/26/2018 10:57:54 AM



#24

1,1-Dichloroethane

Concen: 53.34 ug/l

RT: 2.80 min Scan# 230

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

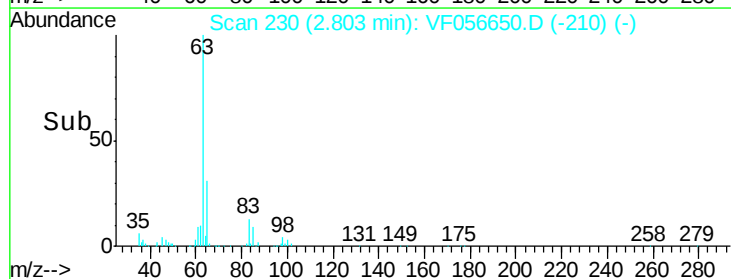
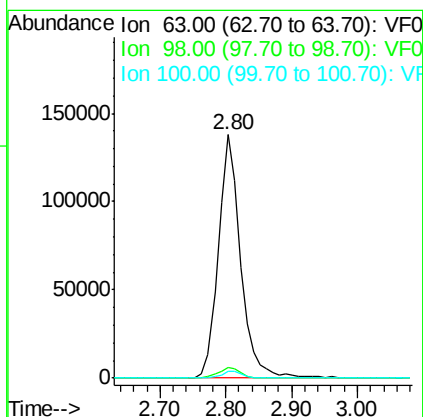
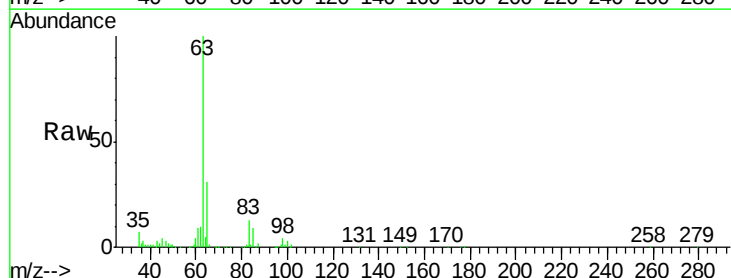
Tgt Ion: 63 Resp: 325260

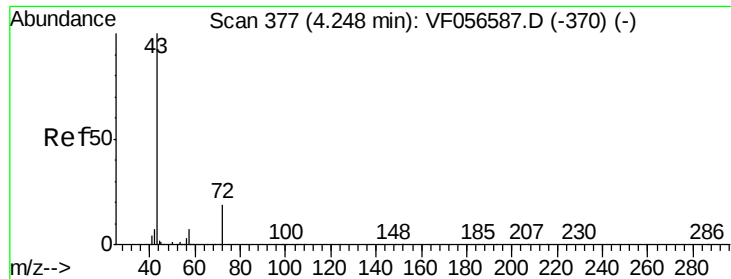
Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

100 2.7 1.6 4.7





#25

2-Butanone

Concen: 217.82 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

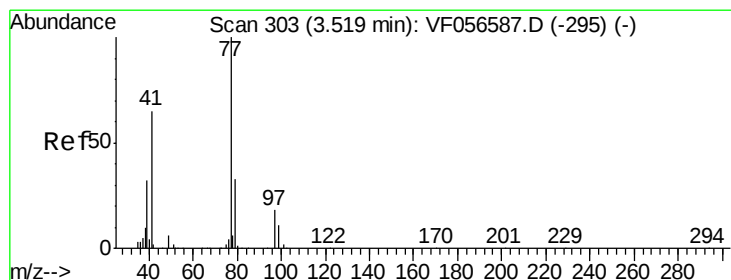
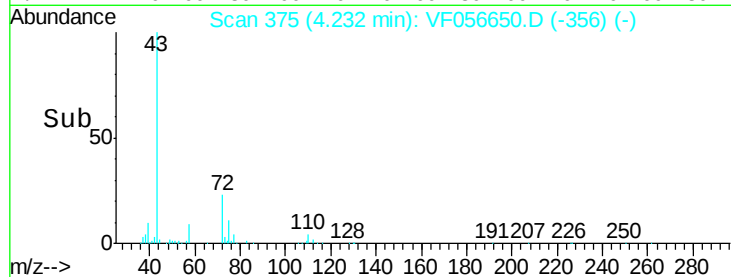
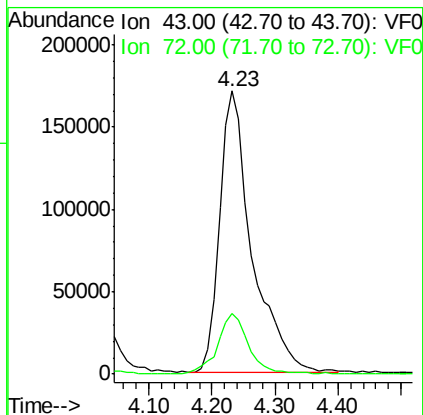
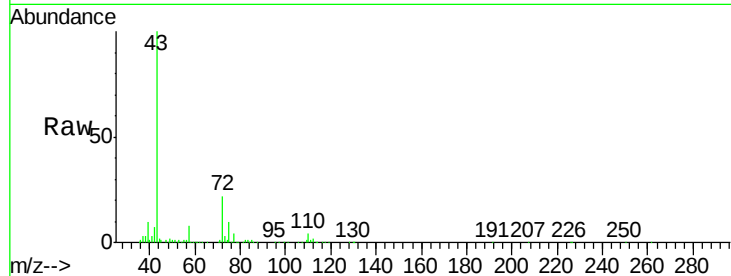
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	16.5	24.7

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#26

2,2-Dichloropropane

Concen: 58.74 ug/l

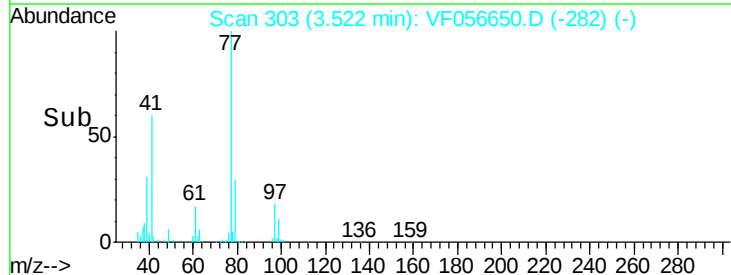
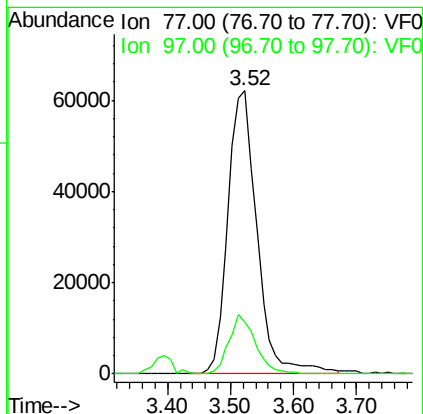
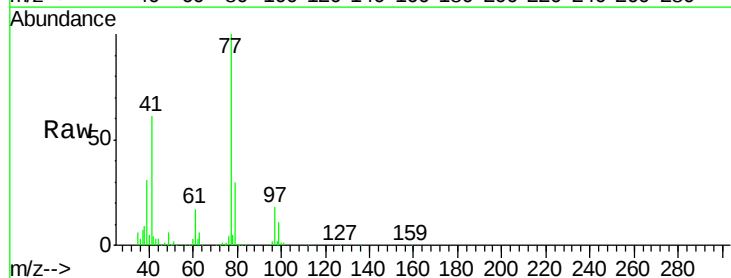
RT: 3.52 min Scan# 303

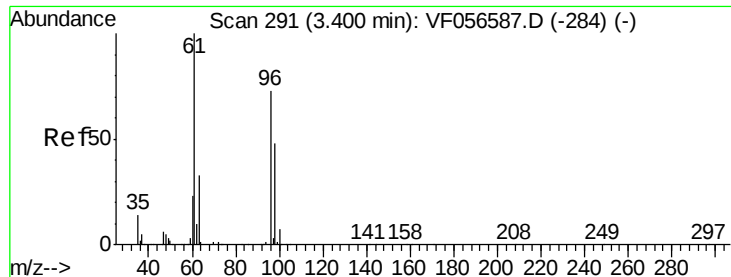
Delta R.T. 0.00 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
77	100		
97	18.4	9.8	29.5





#27

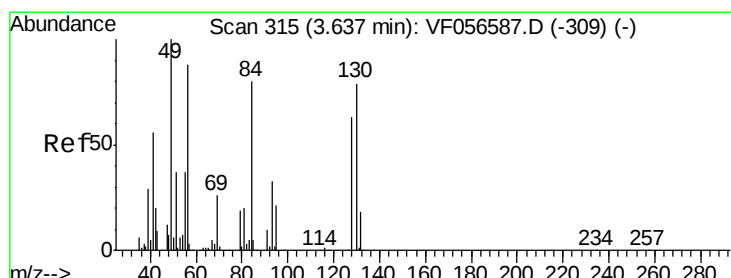
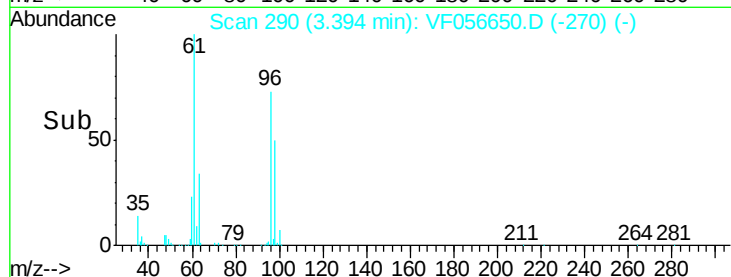
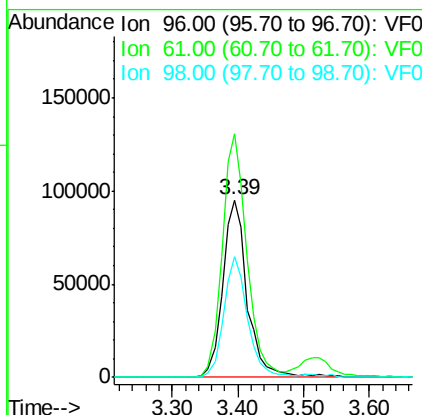
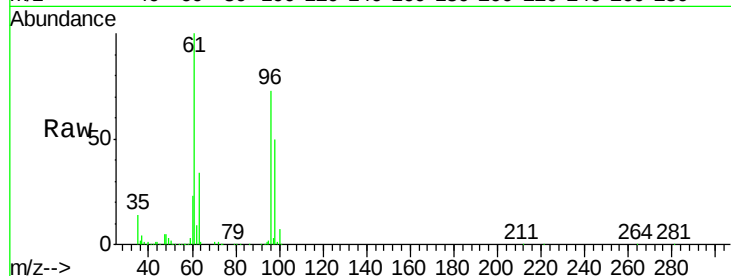
cis-1,2-Dichloroethene
Concen: 48.76 ug/l
RT: 3.39 min Scan# 290
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	247262		
61	137.1	0.0	272.6	
98	68.3	0.0	131.6	

Manual Integrations
APPROVED

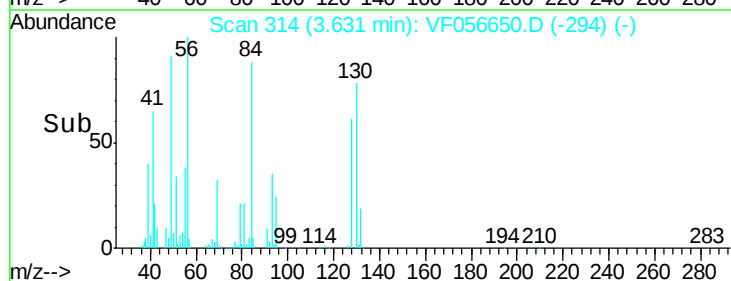
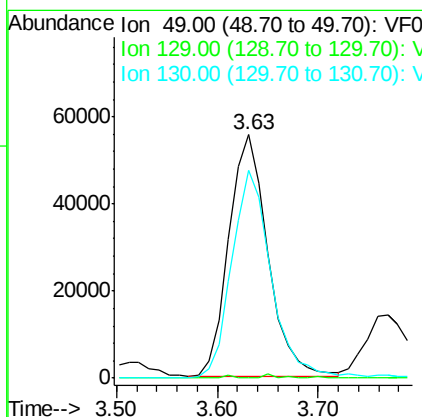
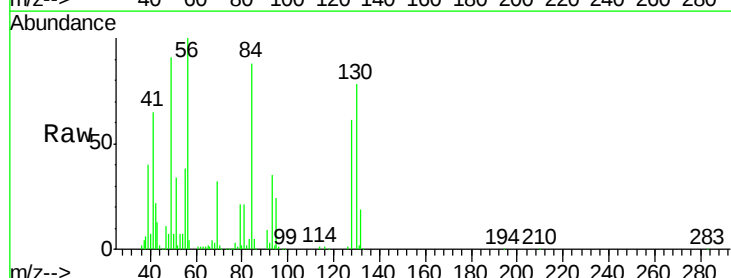
apatel
2/26/2018 10:57:54 AM

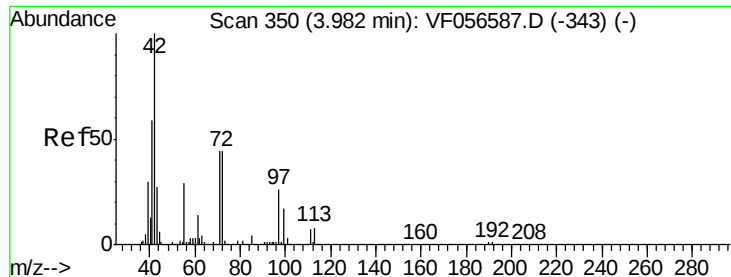


#28

Bromochloromethane
Concen: 48.62 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	150458		
129	0.0	0.0	0.0	
130	85.4	63.4	95.0	





#29

Tetrahydrofuran

Concen: 213.70 ug/l

RT: 3.98 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

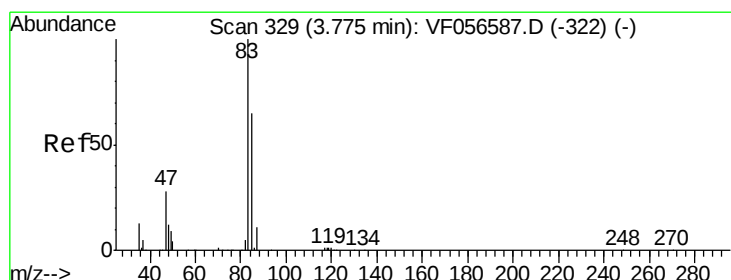
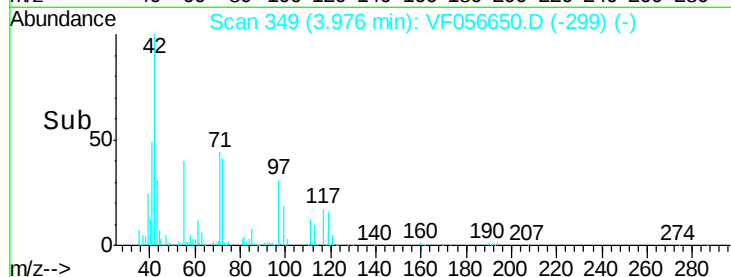
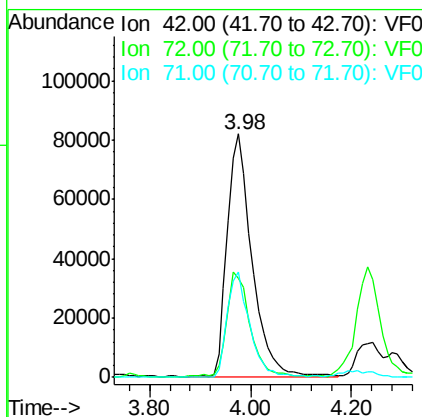
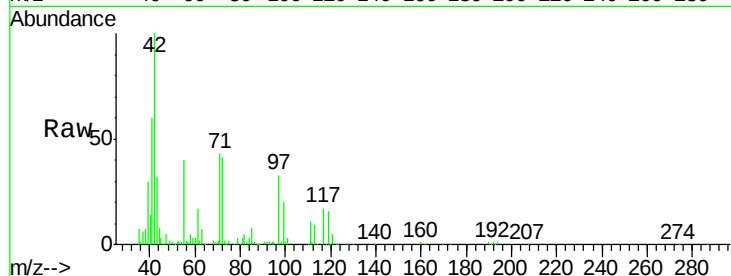
ClientSampleId :

VSTDCCC050

Tgt Ion:	42	Resp:	275951
Ion Ratio		Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.5	32.8	49.2

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#30

Chloroform

Concen: 50.05 ug/l

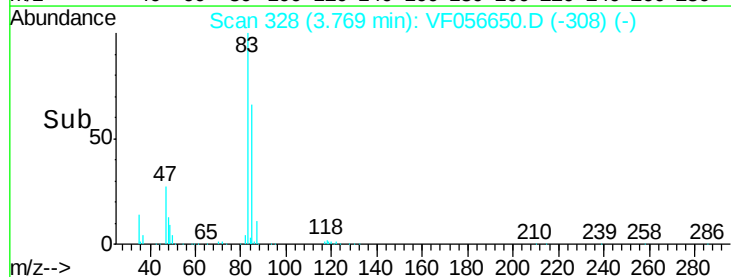
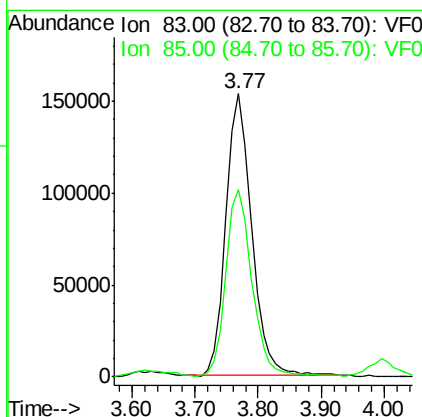
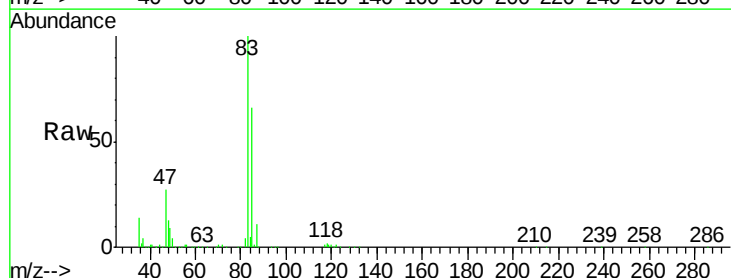
RT: 3.77 min Scan# 328

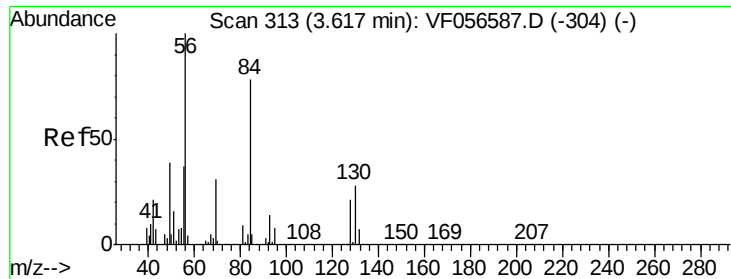
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	83	Resp:	436822
Ion Ratio		Lower	Upper
83	100		
85	66.0	52.1	78.1





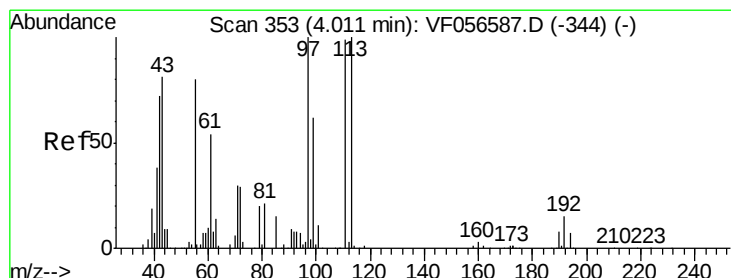
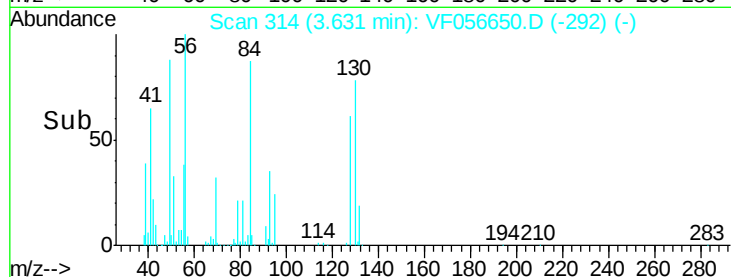
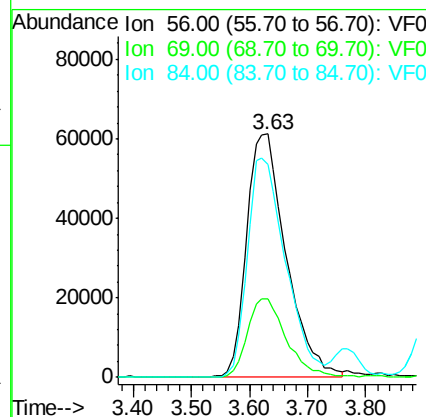
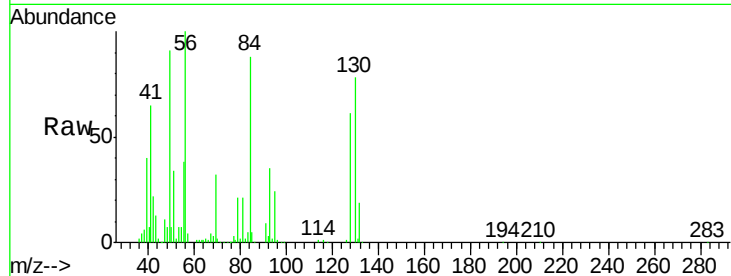
#31
Cyclohexane
Concen: 44.49 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.7	37.1
84	87.6	62.9	94.3

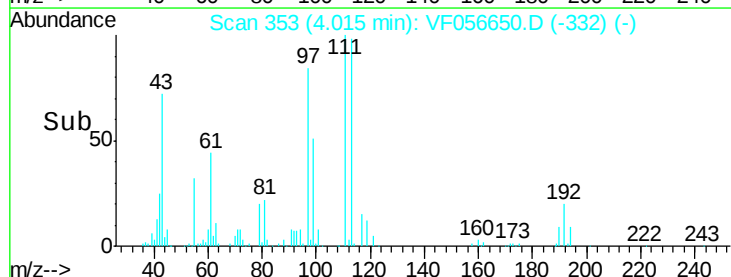
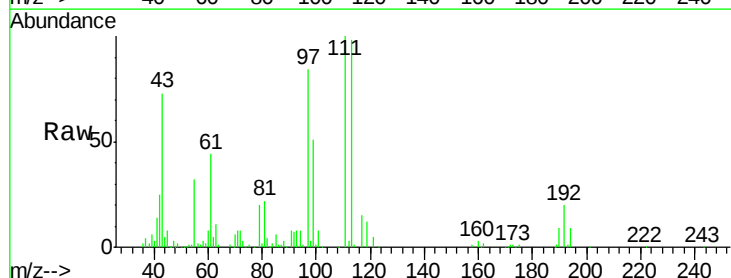
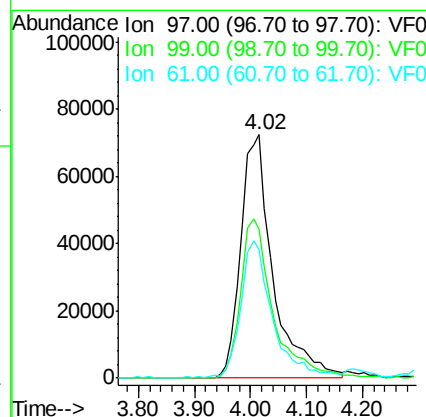
Manual Integrations
APPROVED

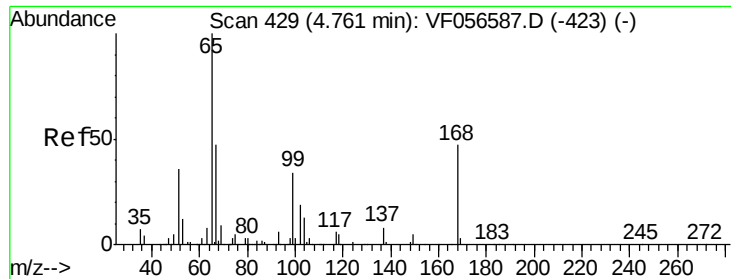
apatel
2/26/2018 10:57:54 AM



#32
1,1,1-Trichloroethane
Concen: 54.70 ug/l
RT: 4.02 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.0	49.4	74.2
61	52.5	43.9	65.9





#33

1,2-Dichloroethane-d4

Concen: 51.58 ug/l

RT: 4.75 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 274846

Ion Ratio Lower Upper

65 100

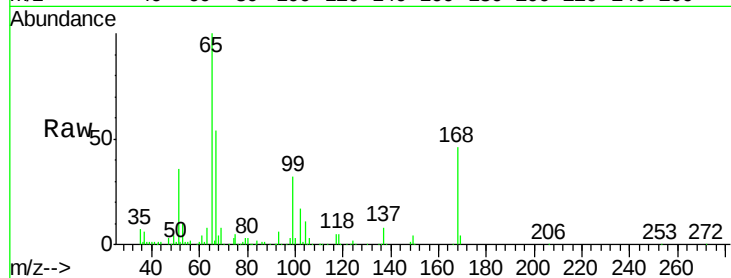
67 53.5 0.0 103.0

Manual Integrations

APPROVED

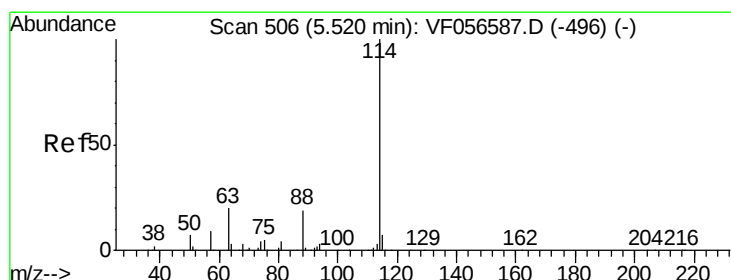
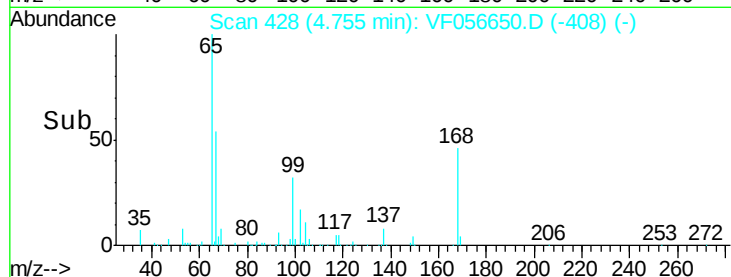
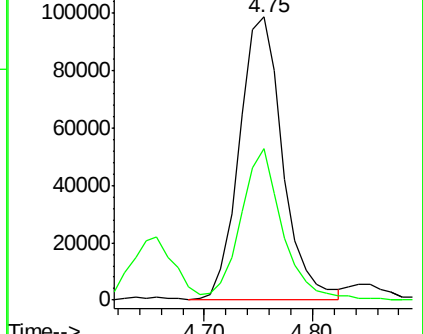
apatel

2/26/2018 10:57:54 AM



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.51 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

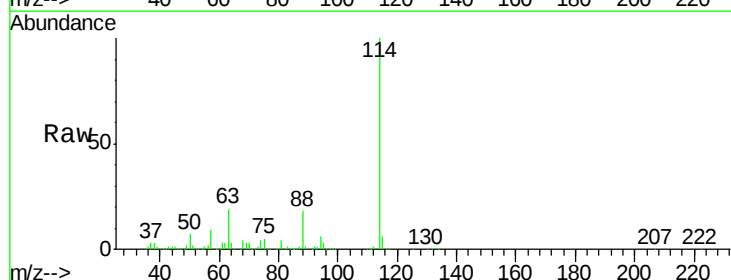
Tgt Ion: 114 Resp: 693326

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.6

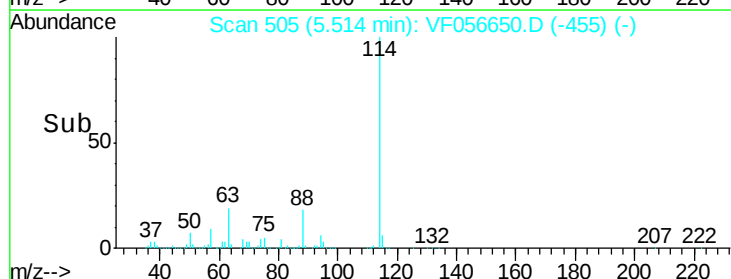
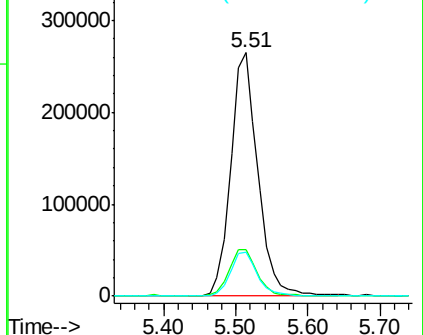
88 18.3 0.0 37.8

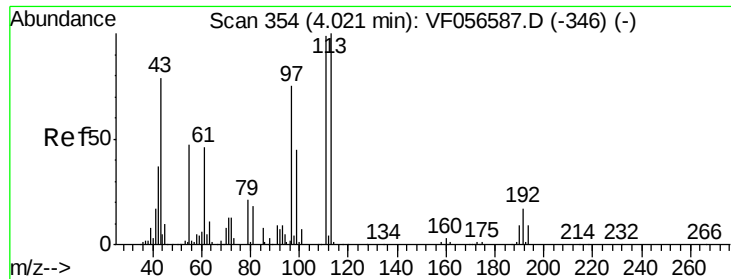


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.14 ug/l

RT: 4.02 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

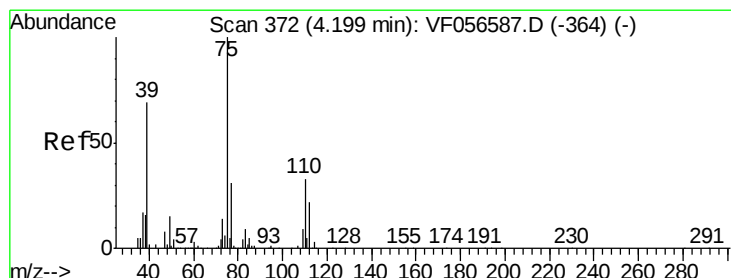
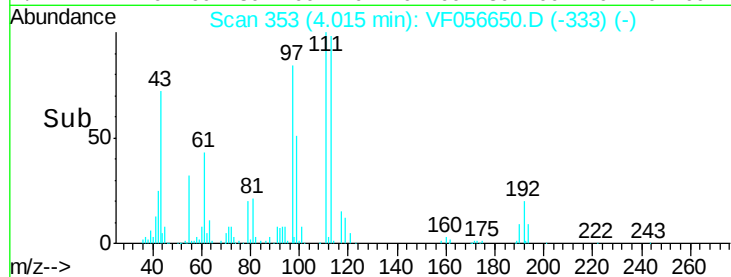
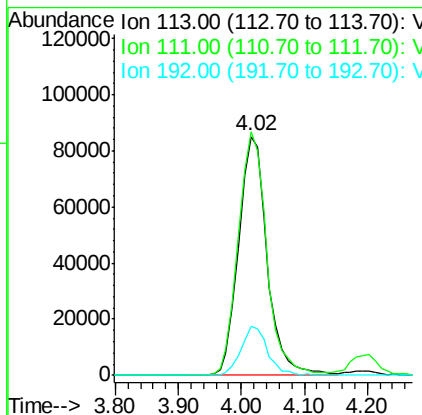
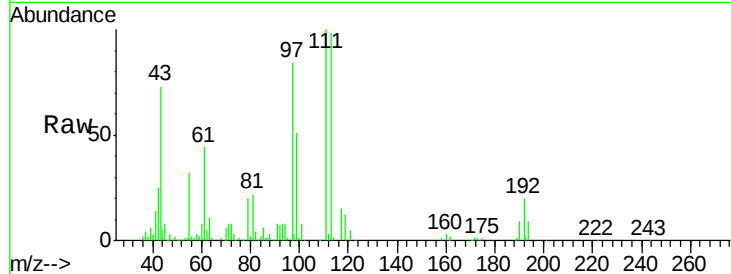
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	266666
Ion Ratio	Lower	Upper	
113	100		
111	101.9	79.1	118.7
192	20.5	13.9	20.9

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#36

1,1-Dichloropropene

Concen: 48.93 ug/l

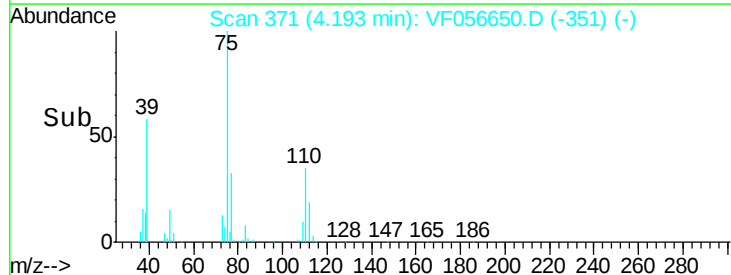
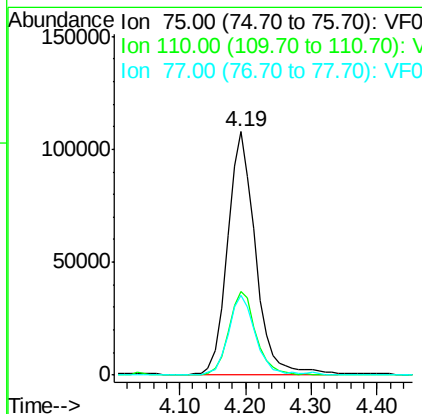
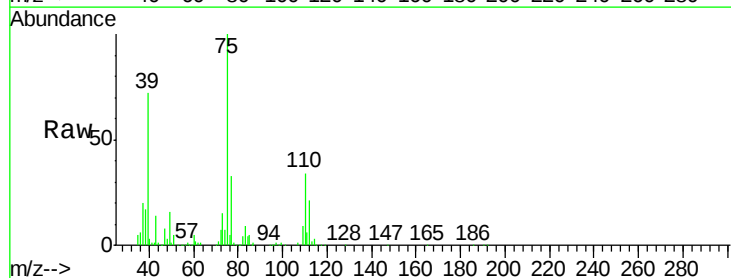
RT: 4.19 min Scan# 371

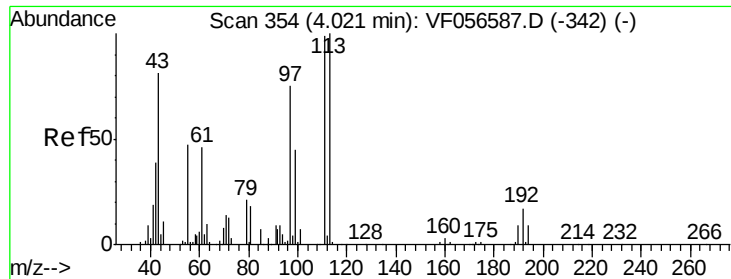
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	75	Resp:	319435
Ion Ratio	Lower	Upper	
75	100		
110	34.3	16.6	49.7
77	32.7	24.5	36.7





#37

Ethyl Acetate

Concen: 42.63 ug/l

RT: 4.02 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

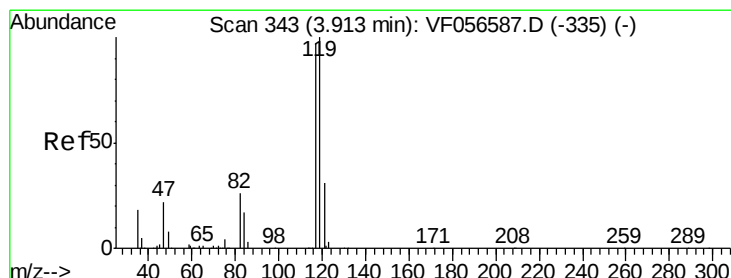
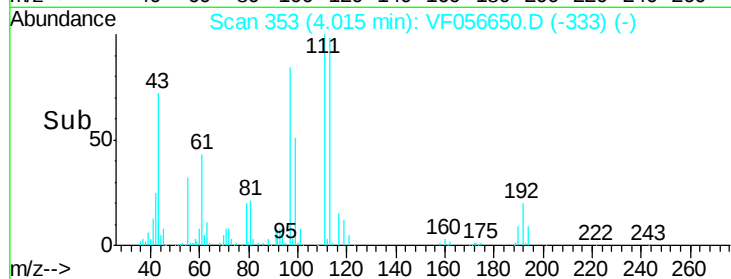
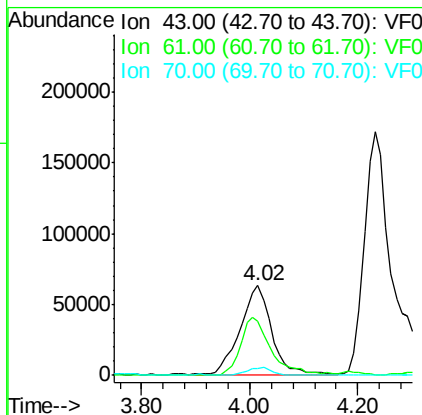
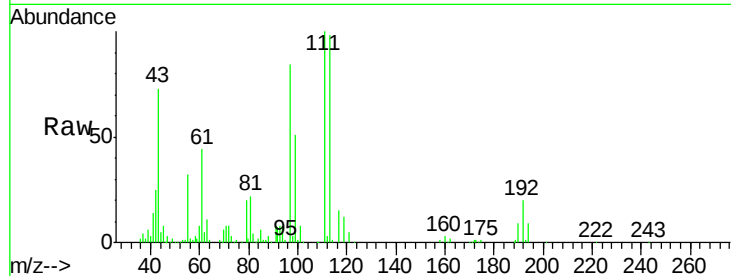
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	248847
Ion Ratio	Lower	Upper	
43	100		
61	60.3	45.4	68.2
70	7.6	8.8	13.2#

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#38

Carbon Tetrachloride

Concen: 59.65 ug/l

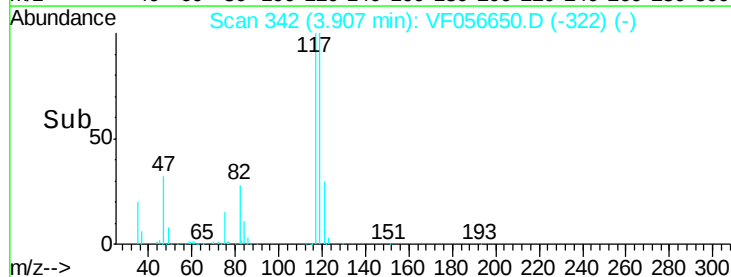
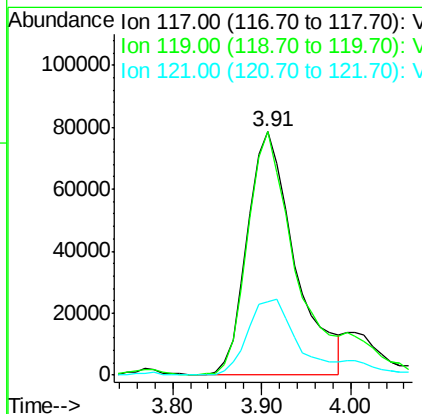
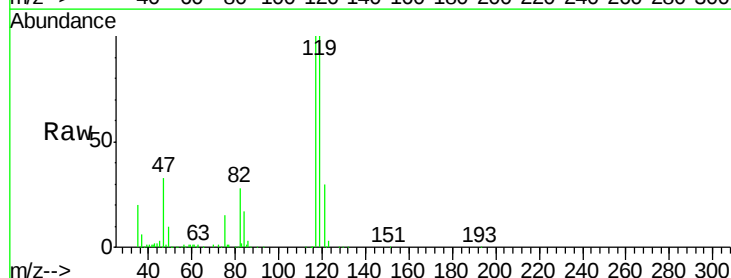
RT: 3.91 min Scan# 342

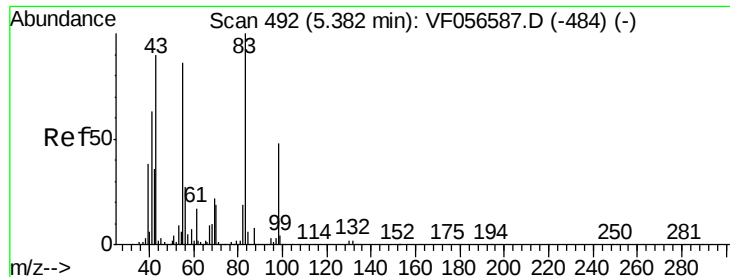
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	117	Resp:	289877
Ion Ratio	Lower	Upper	
117	100		
119	99.9	82.2	123.4
121	30.1	25.8	38.6





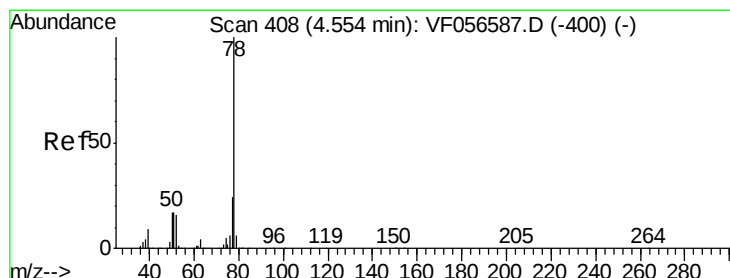
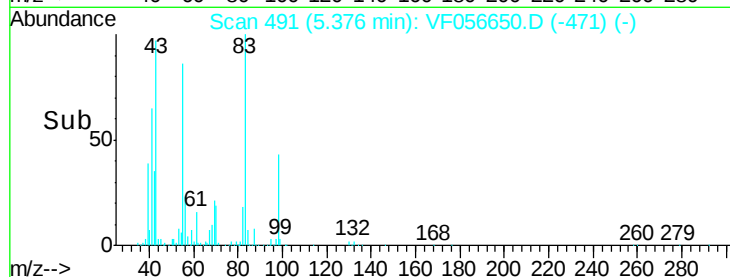
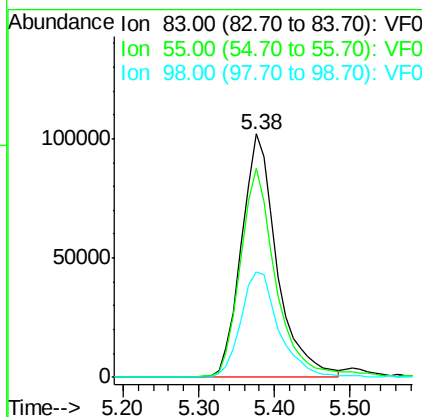
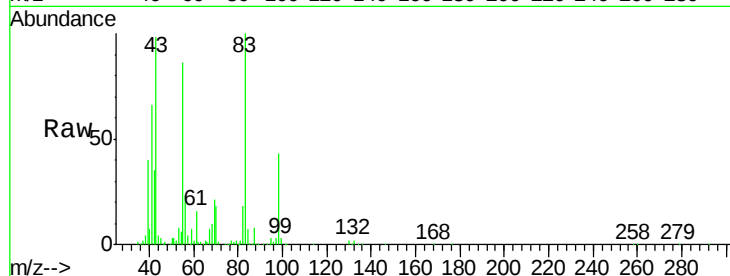
#39
Methylcyclohexane
Concen: 47.27 ug/l
RT: 5.38 min Scan# 491
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.0	68.7	103.1
98	43.1	38.0	57.0

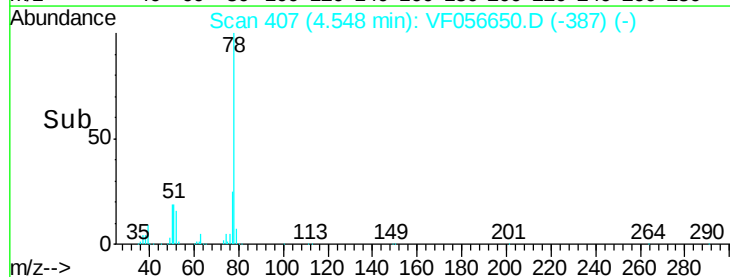
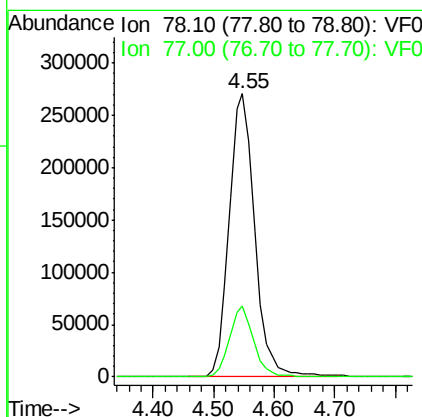
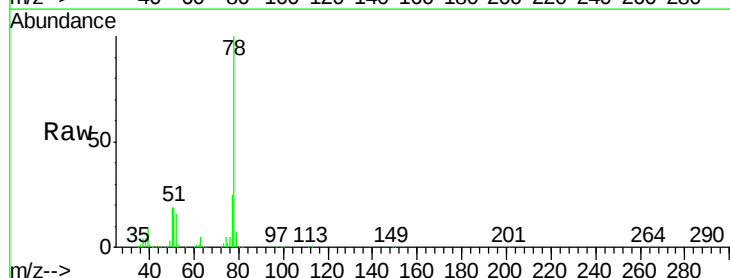
Manual Integrations
APPROVED

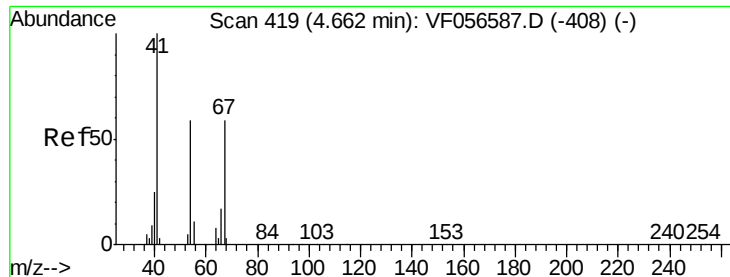
apatel
2/26/2018 10:57:54 AM



#40
Benzene
Concen: 48.01 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.6





#41

Methacrylonitrile

Concen: 40.59 ug/l

RT: 4.65 min Scan# 417

Delta R.T. -0.02 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

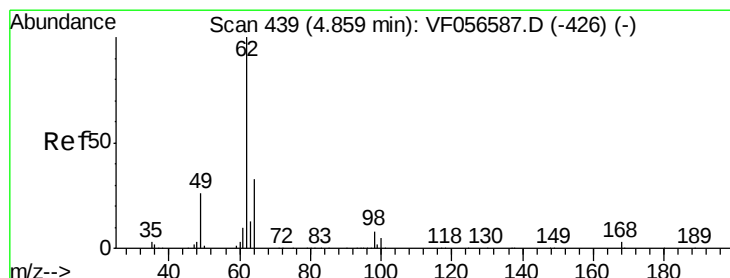
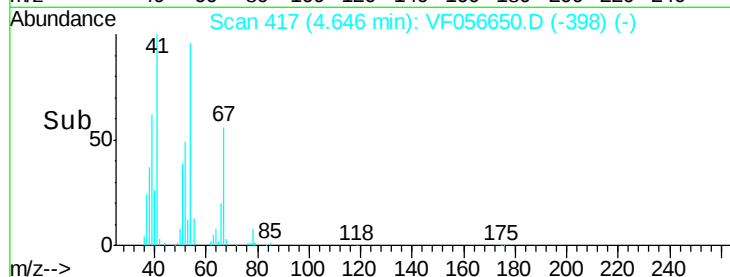
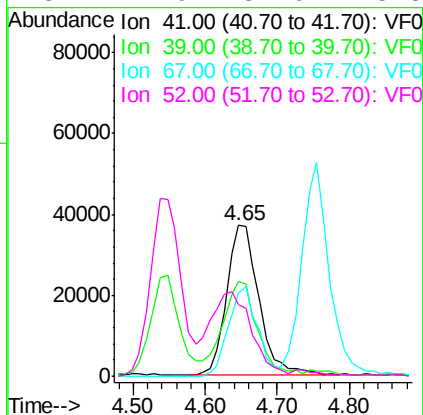
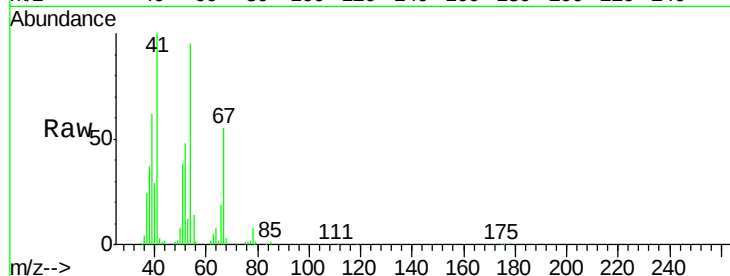
ClientSampleId :

VSTDCCC050

Tgt Ion:	41	Resp:	115004
Ion	Ratio	Lower	Upper
41	100		
39	62.4	48.2	72.4
67	55.3	46.9	70.3
52	47.9	32.6	48.8

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#42

1,2-Dichloroethane

Concen: 50.38 ug/l

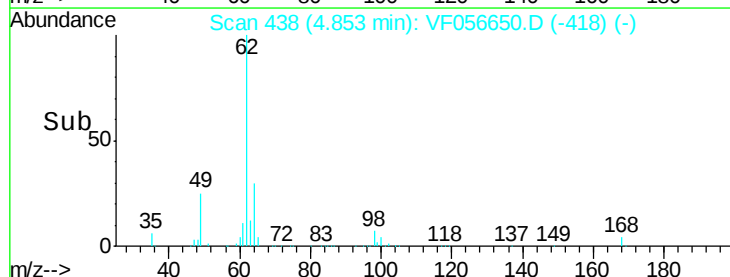
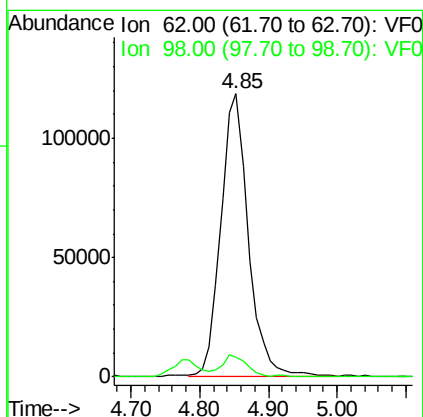
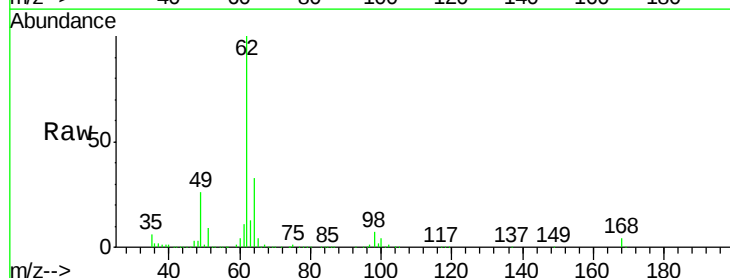
RT: 4.85 min Scan# 438

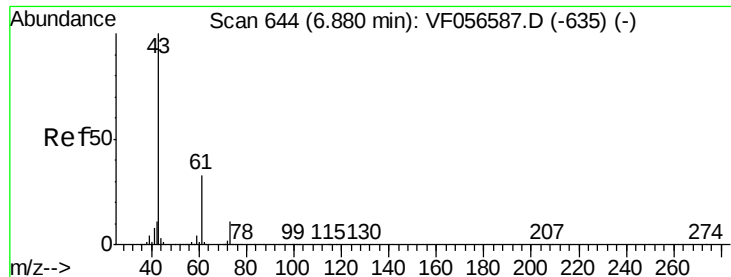
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	62	Resp:	324197
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	17.0





#43

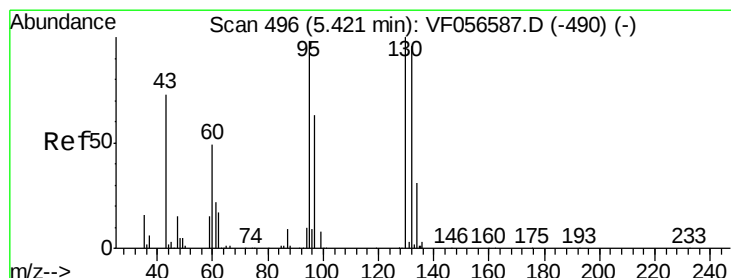
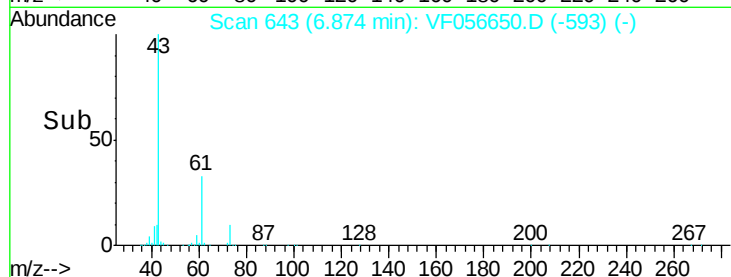
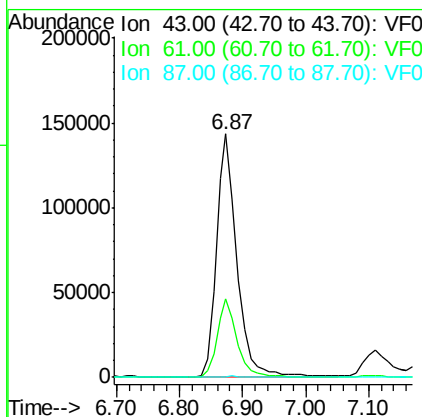
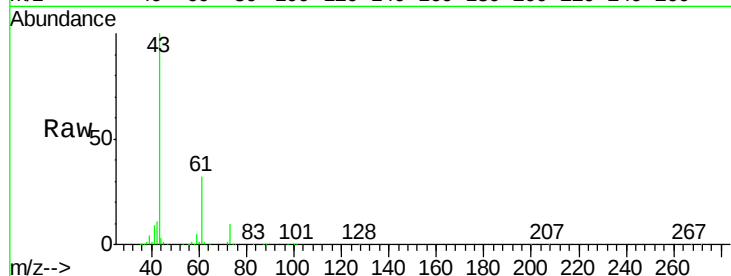
Isopropyl Acetate
 Concen: 45.68 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.5	26.5	39.7
87	0.2	0.2	0.4

Manual Integrations
 APPROVED

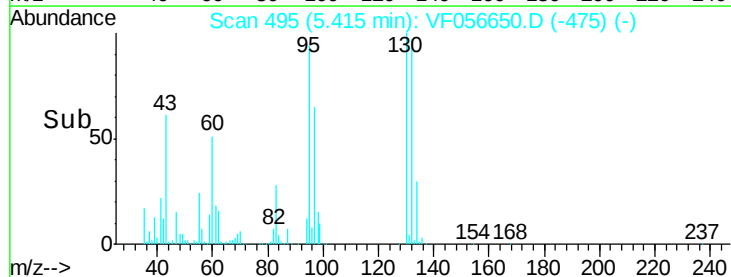
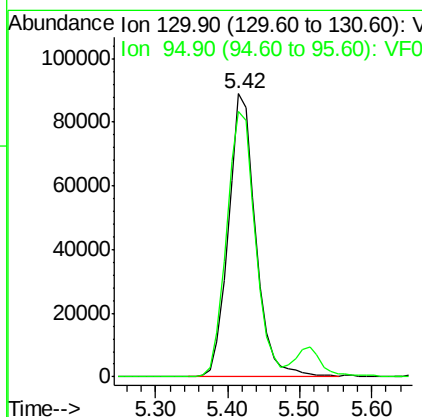
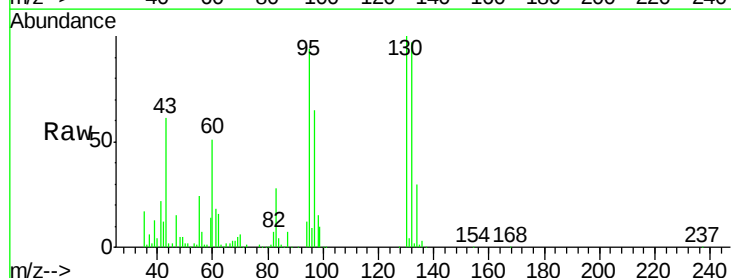
apatel
 2/26/2018 10:57:54 AM

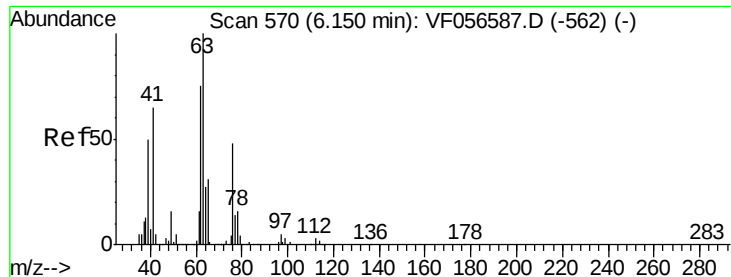


#44

Trichloroethene
 Concen: 48.22 ug/l
 RT: 5.42 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	195.8





#45

1,2-Dichloropropane

Concen: 47.82 ug/l

RT: 6.14 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.2	37.8

Instrument :

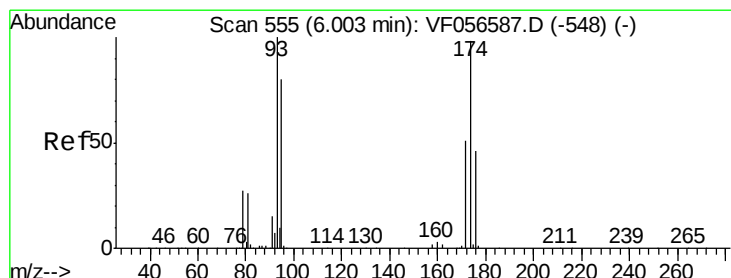
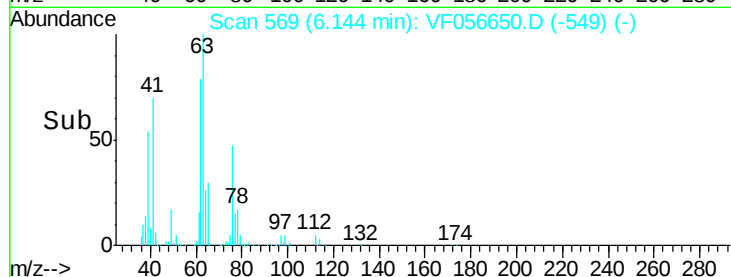
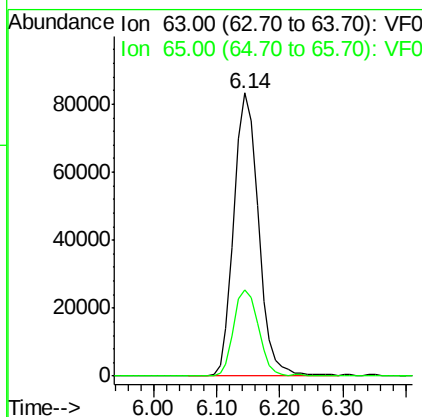
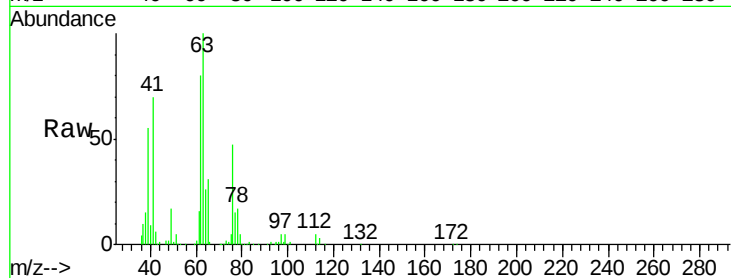
MSVOA_F

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#46

Dibromomethane

Concen: 50.37 ug/l

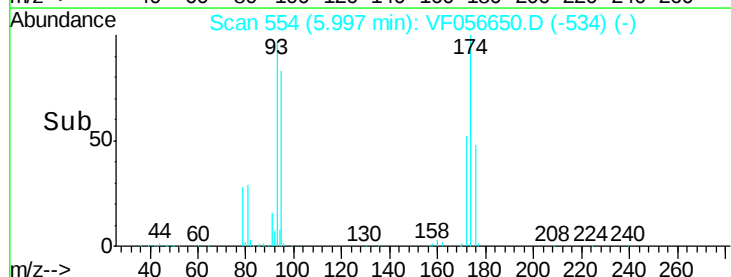
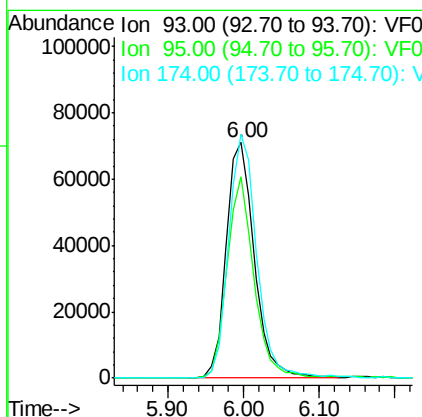
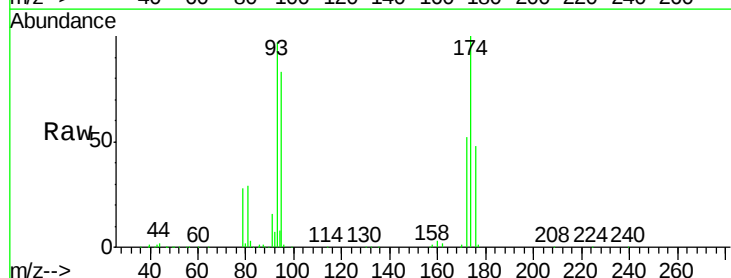
RT: 6.00 min Scan# 554

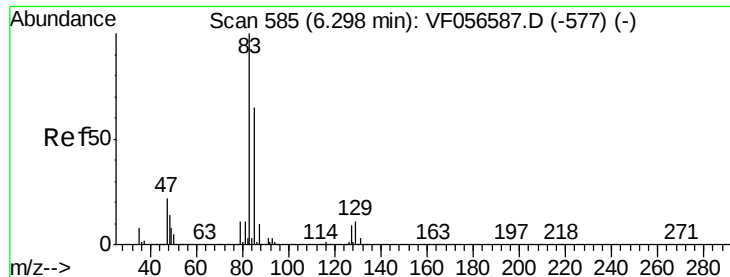
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	63.9	95.9
174	103.4	78.6	118.0





#47

Bromodichloromethane

Concen: 52.92 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

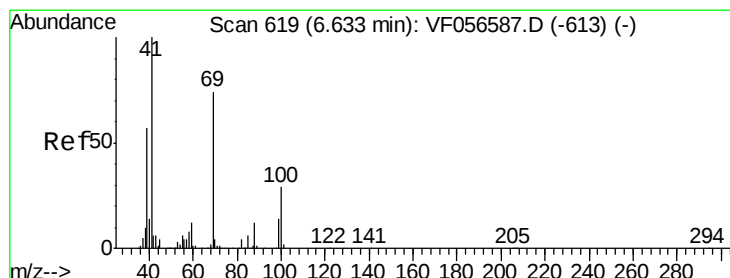
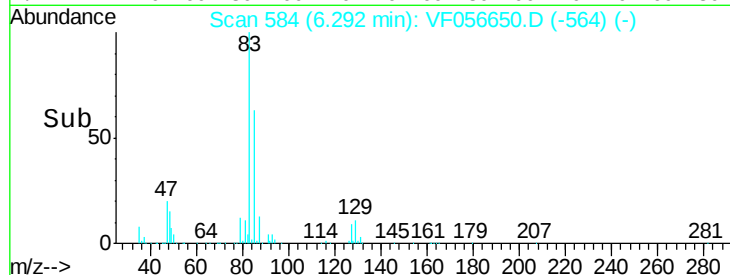
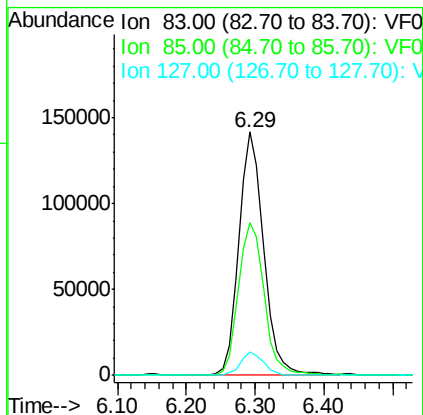
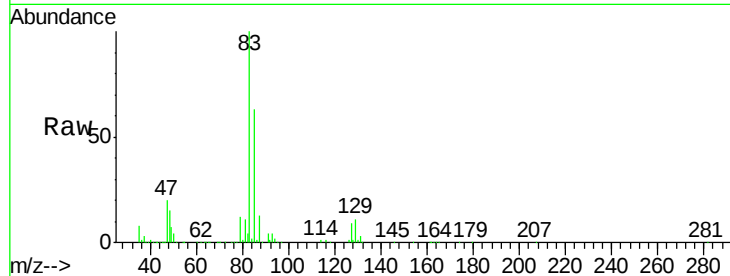
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	354889
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.1	78.1
127	9.4	7.0	10.4

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#48

Methyl methacrylate

Concen: 47.83 ug/l

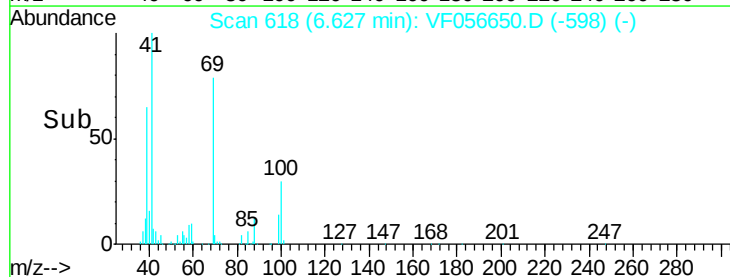
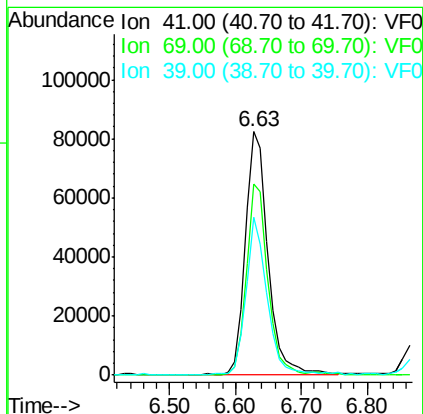
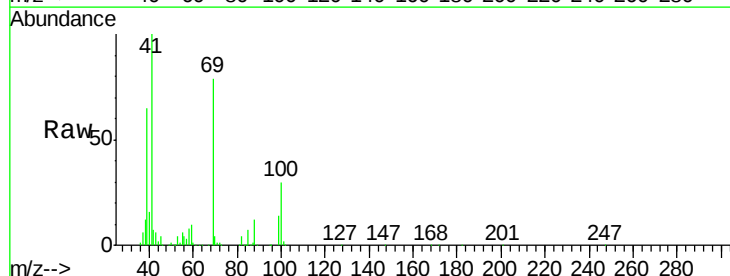
RT: 6.63 min Scan# 618

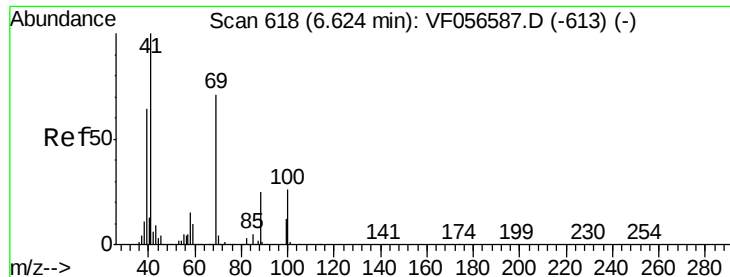
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	41	Resp:	200570
Ion Ratio	Lower	Upper	
41	100		
69	78.7	58.8	88.2
39	65.0	46.1	69.1





#49

1,4-Dioxane

Concen: 1029.24 ug/l

RT: 6.62 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

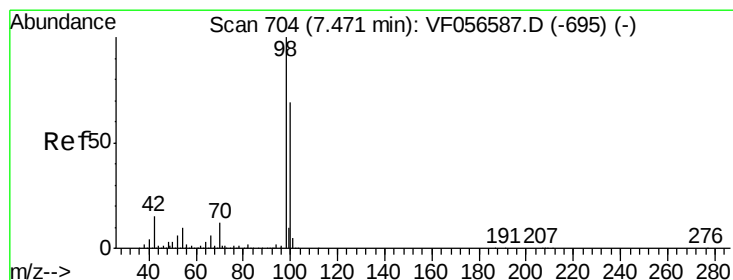
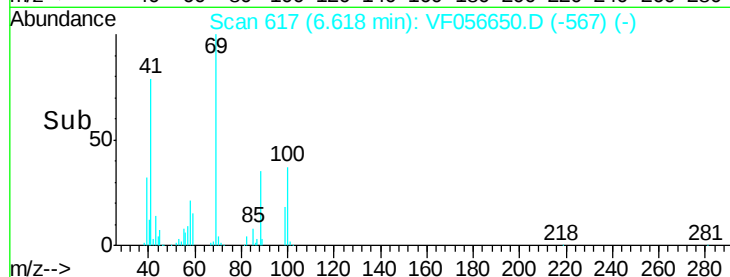
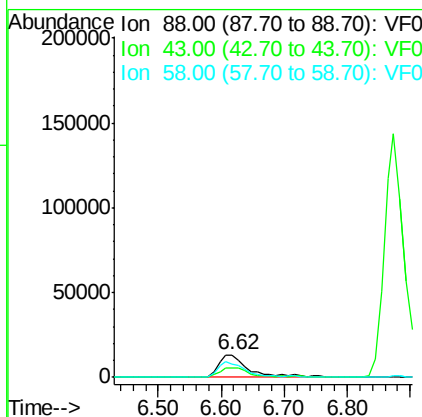
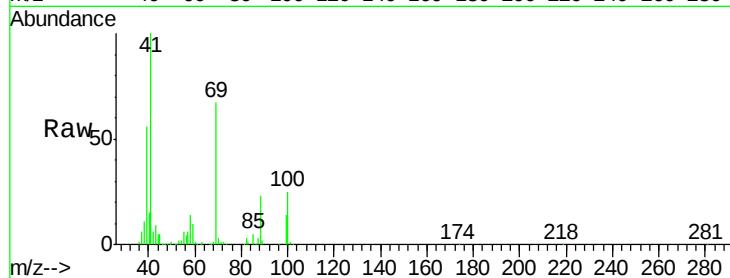
ClientSampleId :

VSTDCCC050

Tgt Ion:	88	Resp:	44490
Ion	Ratio	Lower	Upper
88	100		
43	40.3	30.8	46.2
58	60.9	49.8	74.6

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#50

Toluene-d8

Concen: 49.00 ug/l

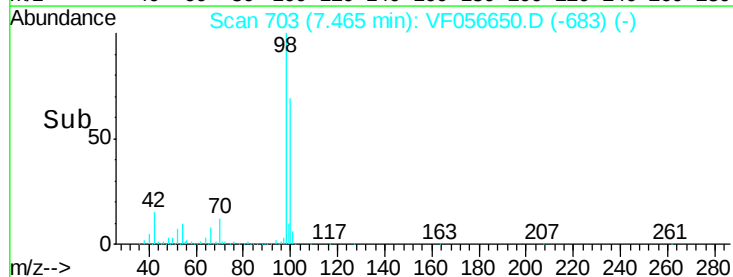
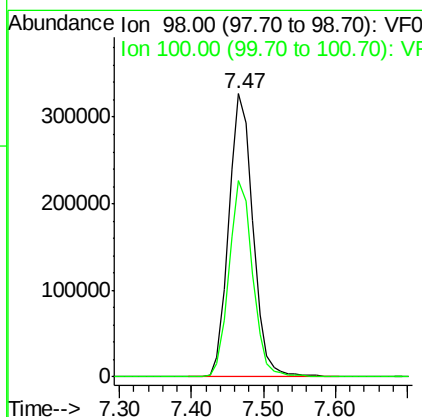
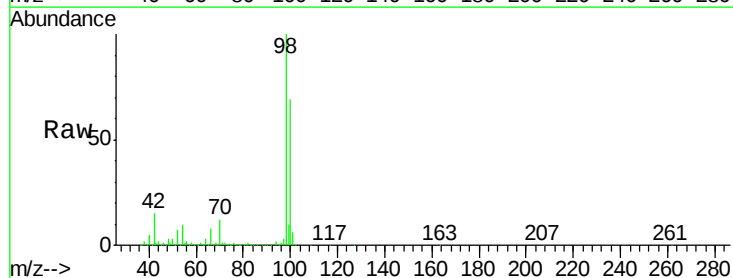
RT: 7.47 min Scan# 703

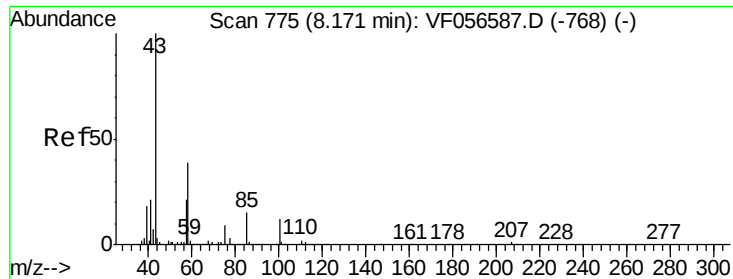
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	98	Resp:	765947
Ion	Ratio	Lower	Upper
98	100		
100	69.2	55.4	83.0





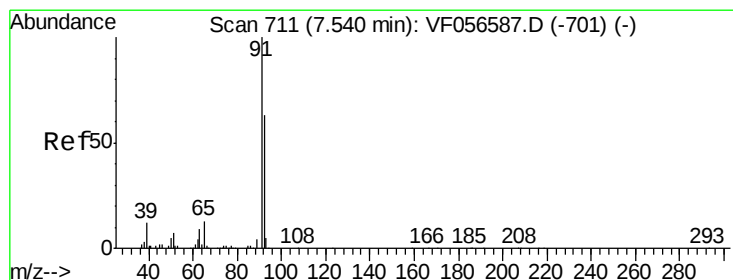
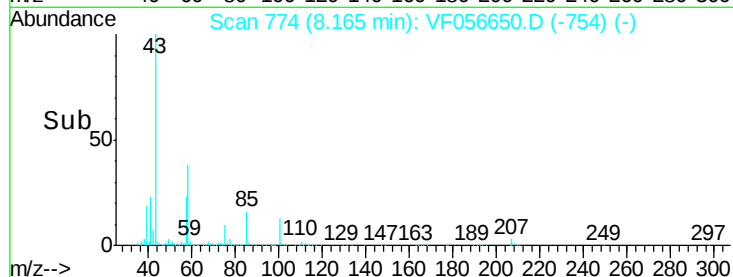
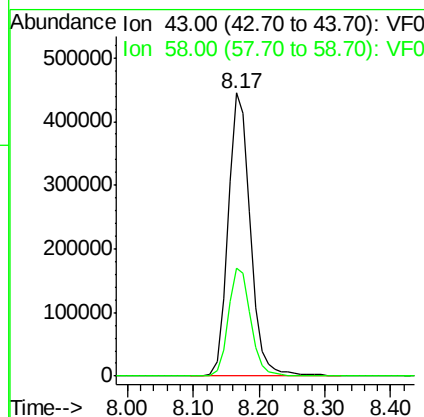
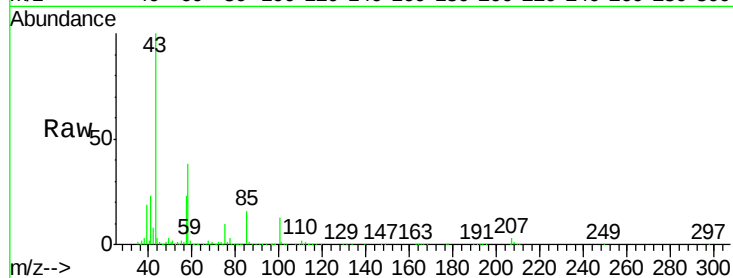
#51
 4-Methyl-2-Pentanone
 Concen: 214.82 ug/l
 RT: 8.17 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1051553
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.9 46.3

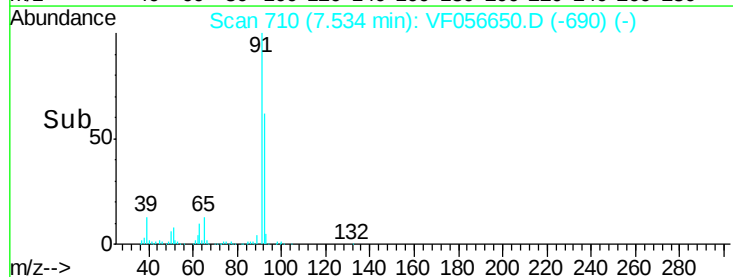
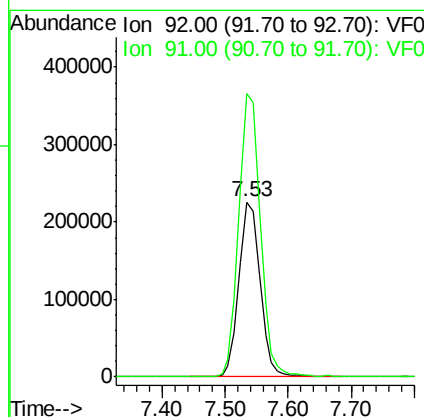
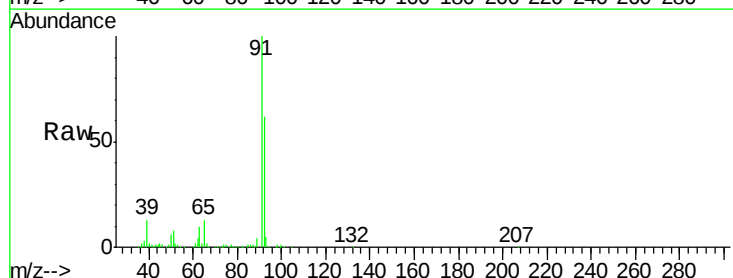
Manual Integrations
 APPROVED

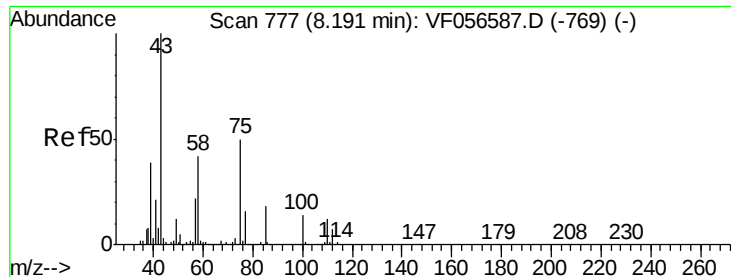
apatel
 2/26/2018 10:57:54 AM



#52
 Toluene
 Concen: 47.46 ug/l
 RT: 7.53 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Tgt Ion: 92 Resp: 523235
 Ion Ratio Lower Upper
 92 100
 91 162.0 127.2 190.8





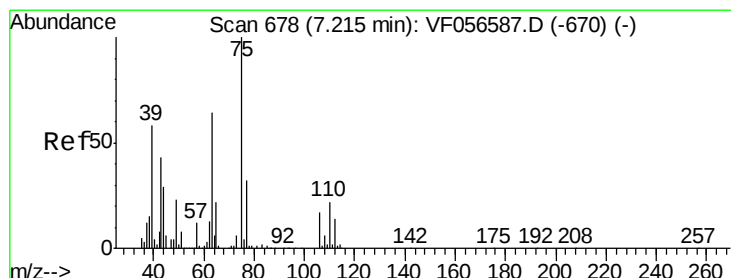
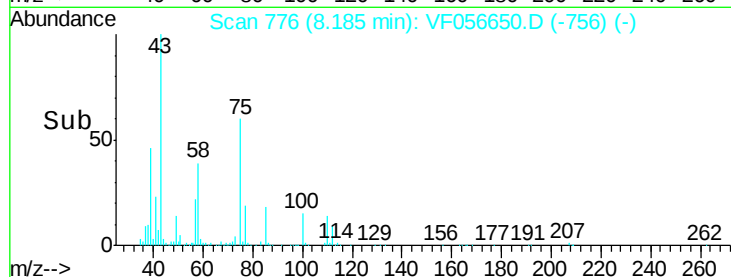
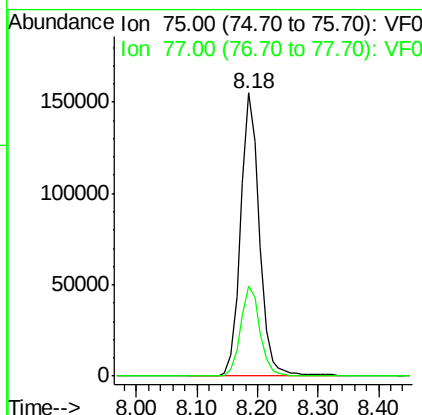
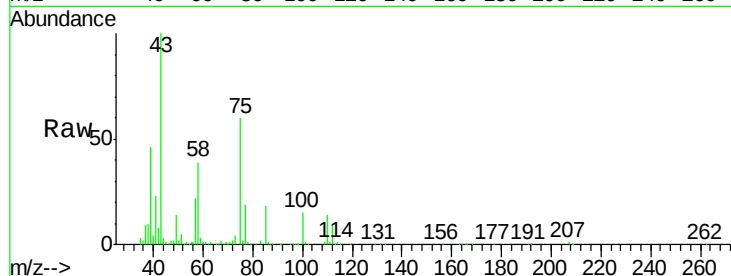
#53
t-1,3-Dichloropropene
Concen: 49.70 ug/l
RT: 8.18 min Scan# 776
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 335704
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4

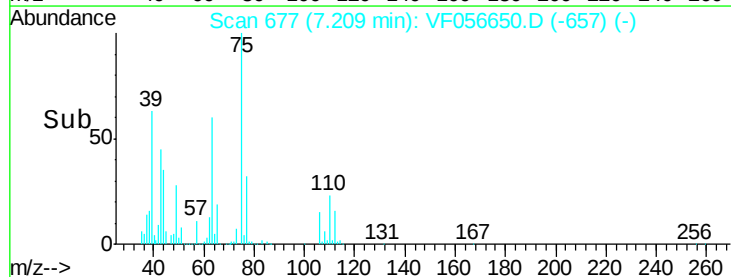
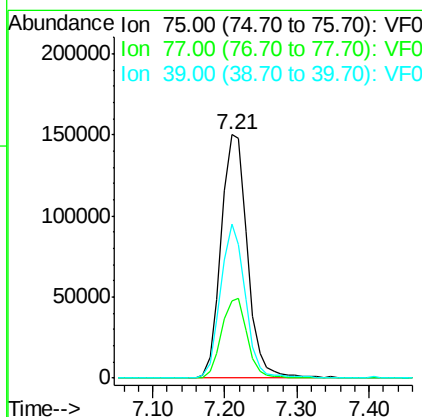
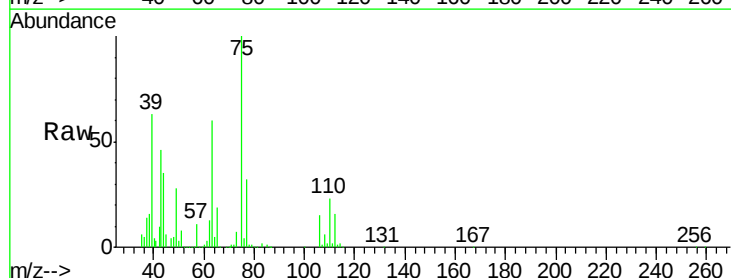
Manual Integrations
APPROVED

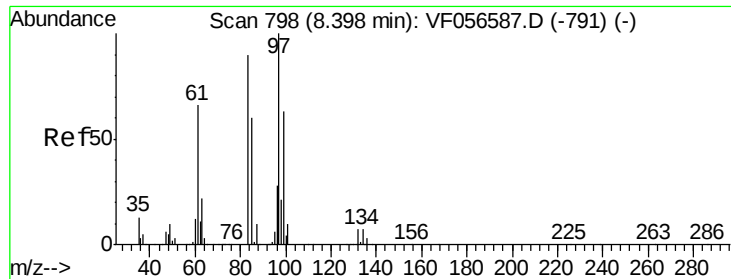
apatel
2/26/2018 10:57:54 AM



#54
cis-1,3-Dichloropropene
Concen: 48.02 ug/l
RT: 7.21 min Scan# 677
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 75 Resp: 377448
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 63.4 47.0 70.6





#55

1,1,2-Trichloroethane

Concen: 47.72 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

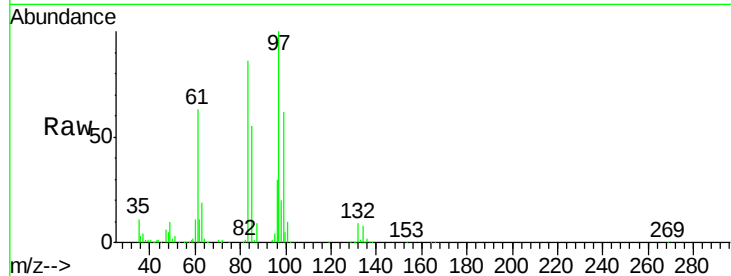
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	208426
Ion Ratio	Lower	Upper	
97	100		
83	86.1	71.8	107.8
85	55.2	48.0	72.0
99	61.5	50.2	75.2

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM

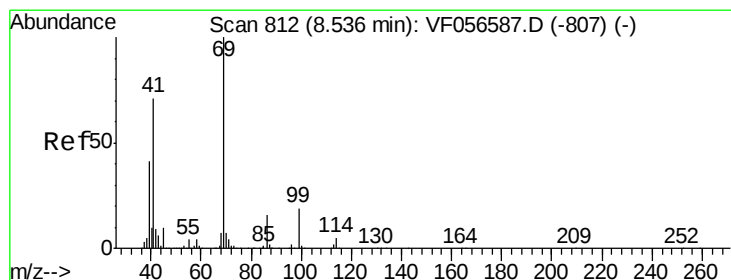
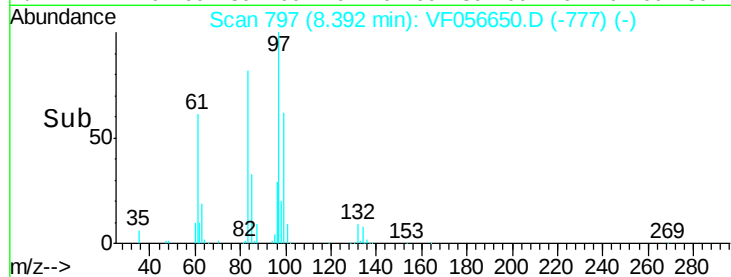
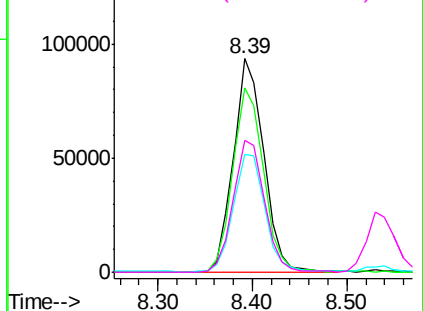


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 48.49 ug/l

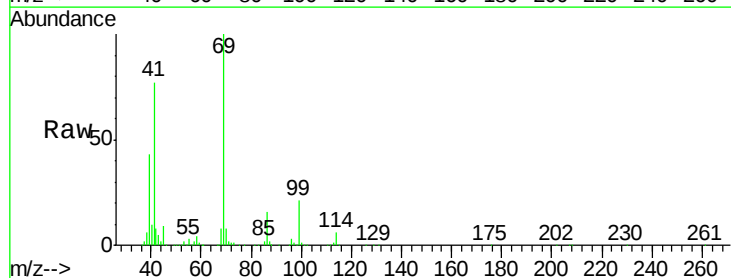
RT: 8.53 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

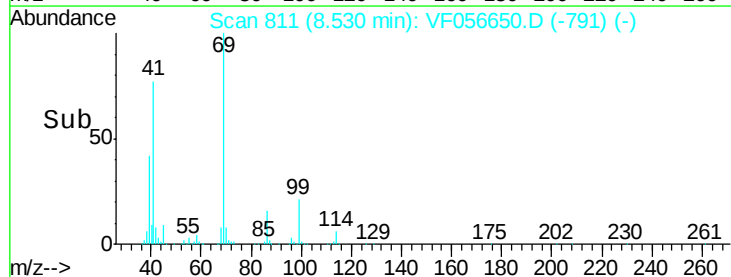
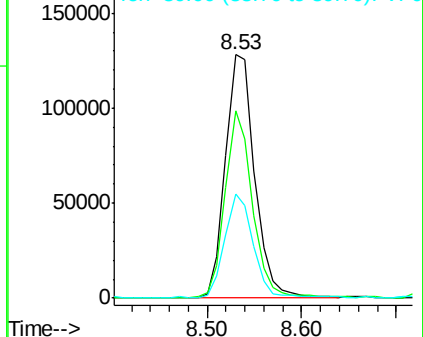
Tgt Ion:	69	Resp:	276595
Ion Ratio	Lower	Upper	
69	100		
41	77.2	57.2	85.8
39	42.7	33.0	49.6

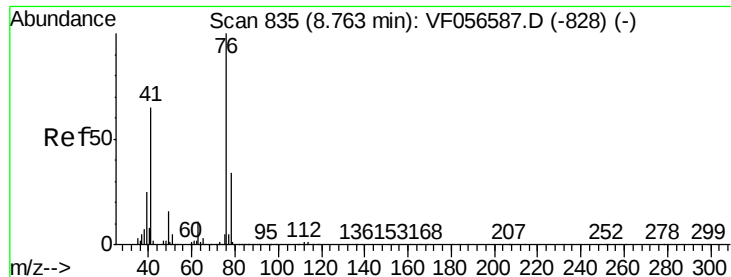


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





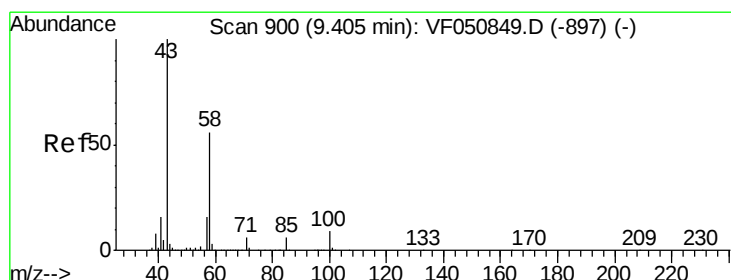
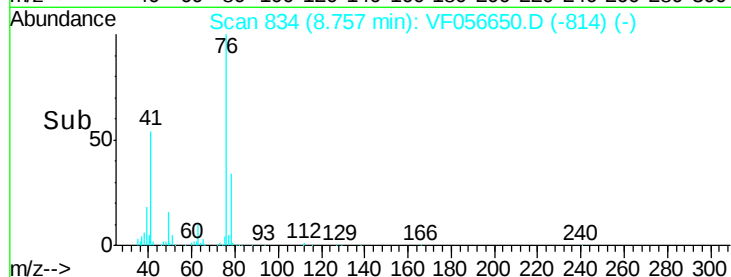
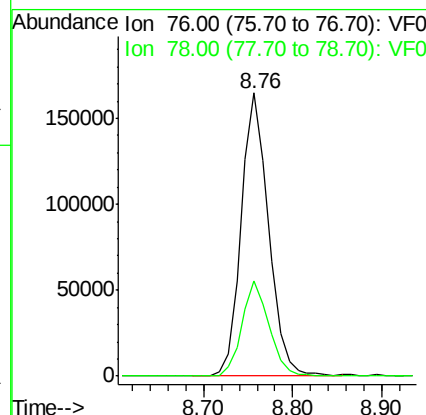
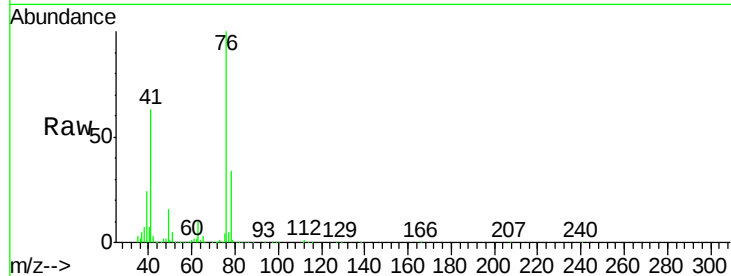
#57
 1,3-Dichloropropane
 Concen: 46.41 ug/l
 RT: 8.76 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 352502
 Ion Ratio Lower Upper
 76 100
 78 33.8 27.0 40.6

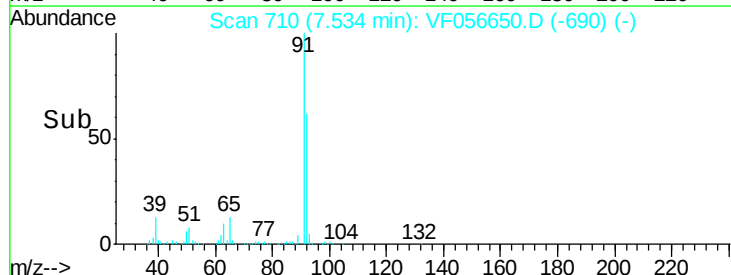
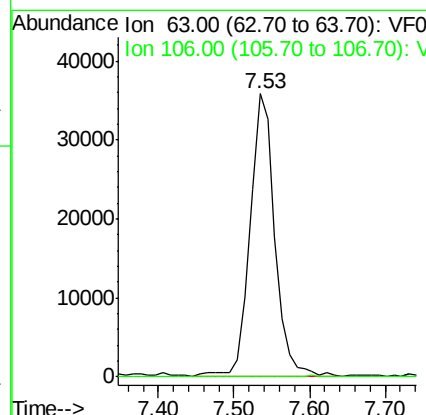
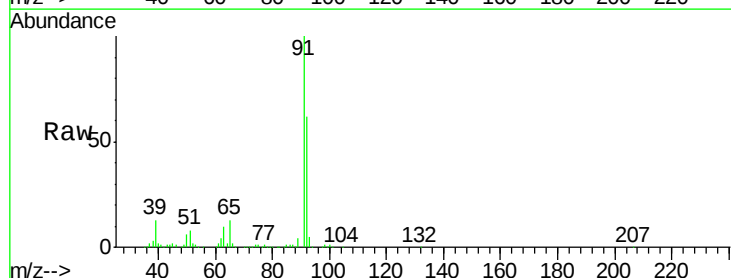
Manual Integrations
 APPROVED

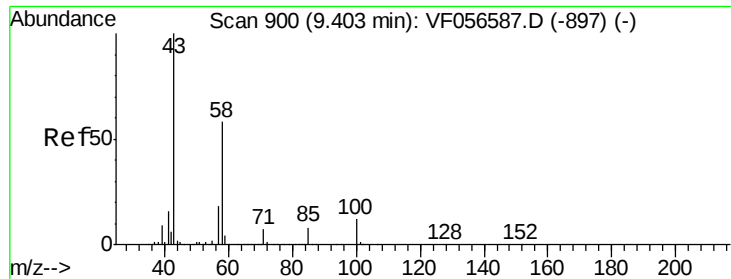
apatel
 2/26/2018 10:57:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.77 ug/l
 RT: 7.53 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Tgt Ion: 63 Resp: 80470
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 223.61 ug/l

RT: 9.40 min Scan# 899

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 888408

Ion Ratio Lower Upper

43 100

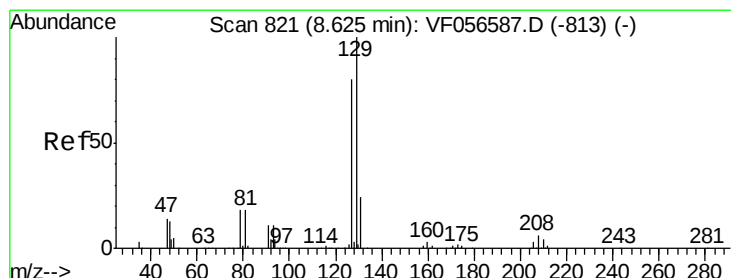
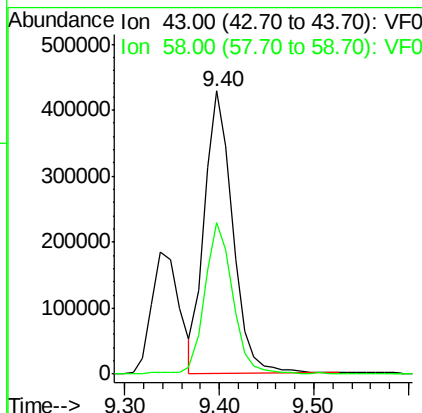
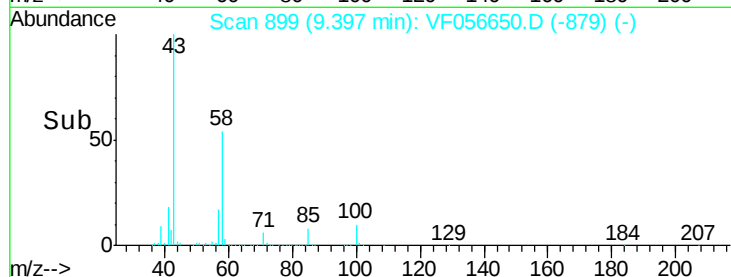
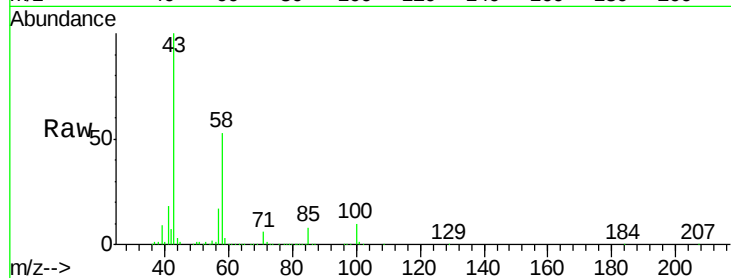
58 53.5 26.6 79.7

Manual Integrations

APPROVED

apatel

2/26/2018 10:57:54 AM



#60

Dibromochloromethane

Concen: 52.42 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF056650.D

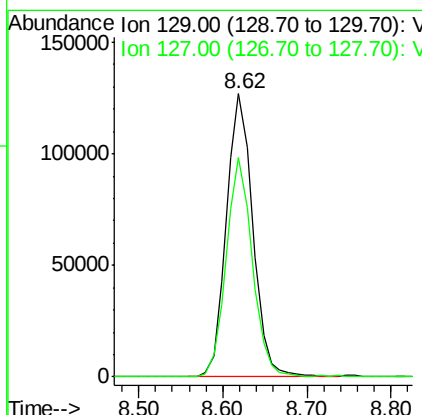
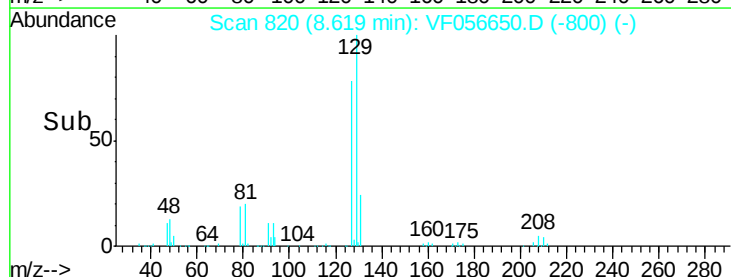
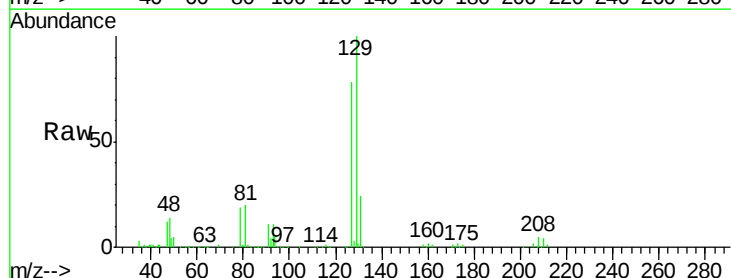
Acq: 23 Feb 2018 11:24

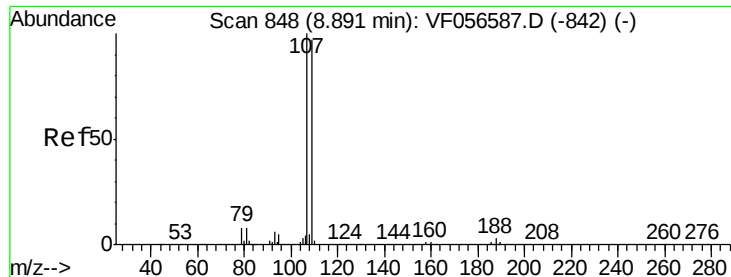
Tgt Ion: 129 Resp: 277615

Ion Ratio Lower Upper

129 100

127 77.7 40.2 120.5





#61

1,2-Dibromoethane

Concen: 49.14 ug/l

RT: 8.88 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 248556

Ion Ratio Lower Upper

107 100

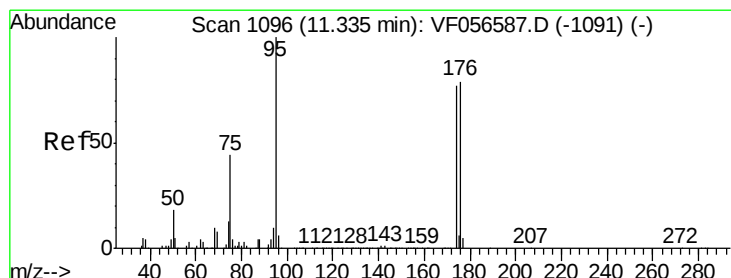
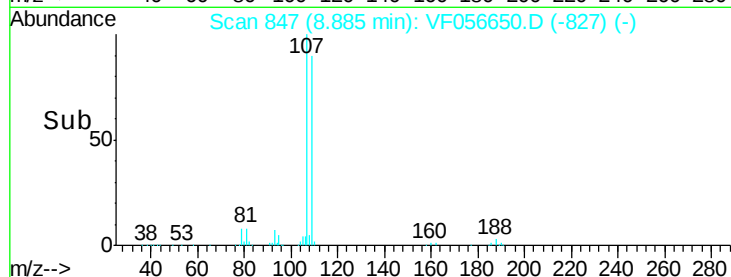
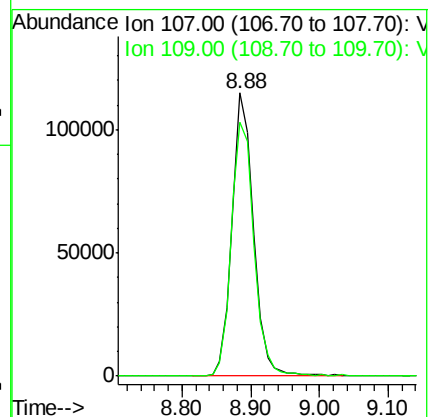
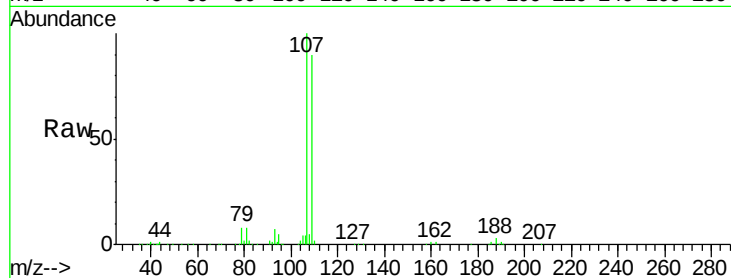
109 89.7 77.4 116.0

Manual Integrations

APPROVED

apatel

2/26/2018 10:57:54 AM



#62

4-Bromofluorobenzene

Concen: 48.86 ug/l

RT: 11.33 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

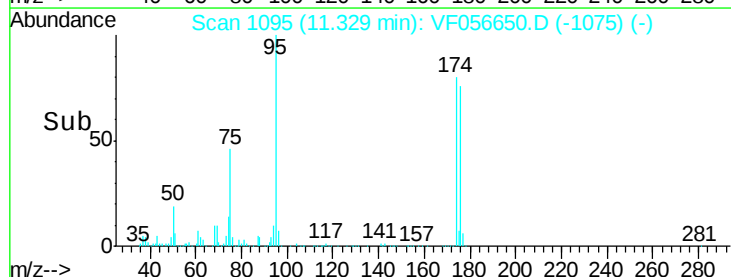
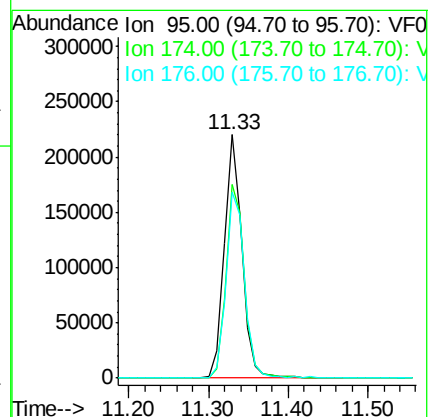
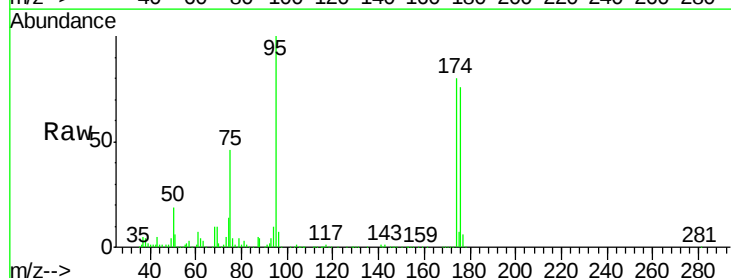
Tgt Ion: 95 Resp: 347375

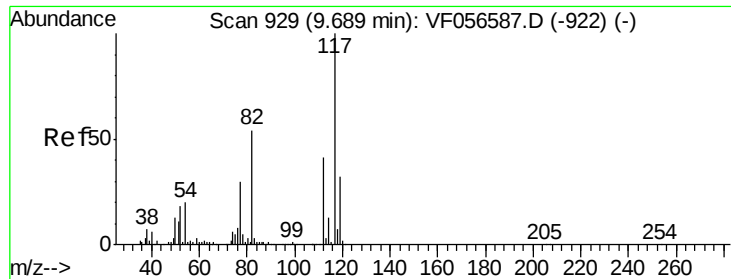
Ion Ratio Lower Upper

95 100

174 79.5 0.0 154.2

176 76.3 0.0 157.2





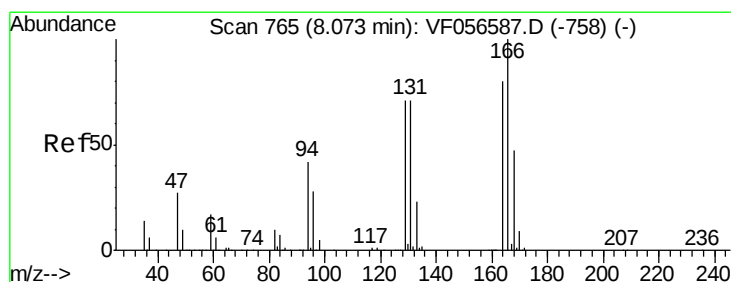
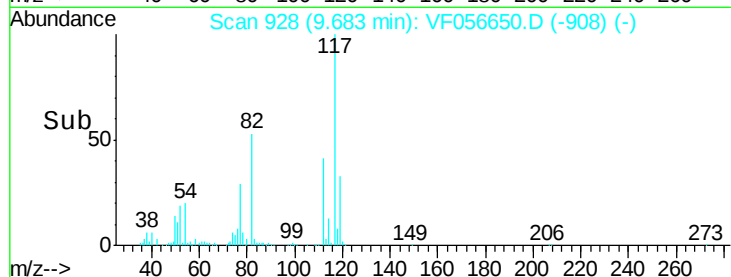
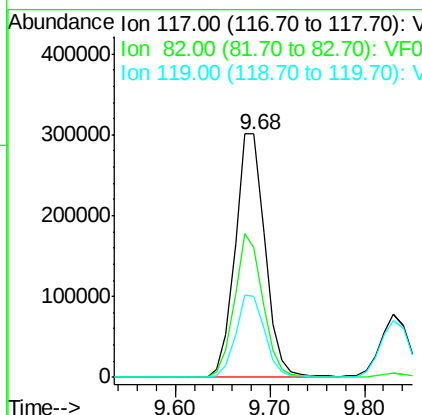
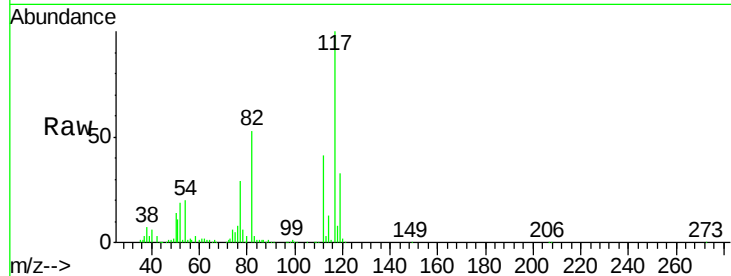
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.68 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	658079		
82	53.5	43.0	64.6	
119	33.1	25.5	38.3	

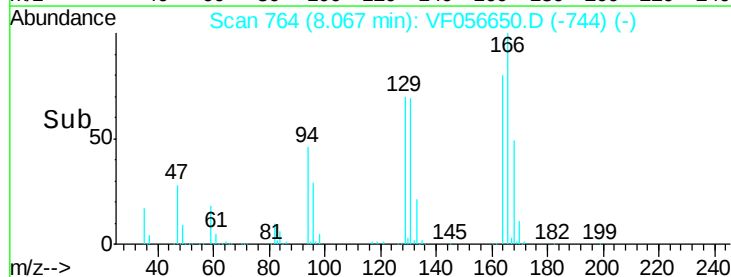
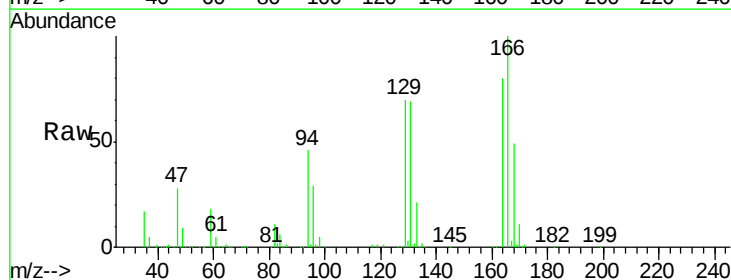
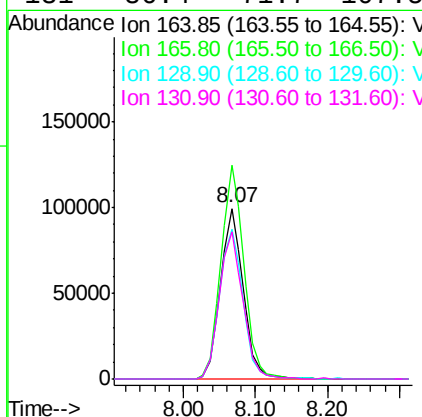
Manual Integrations
APPROVED

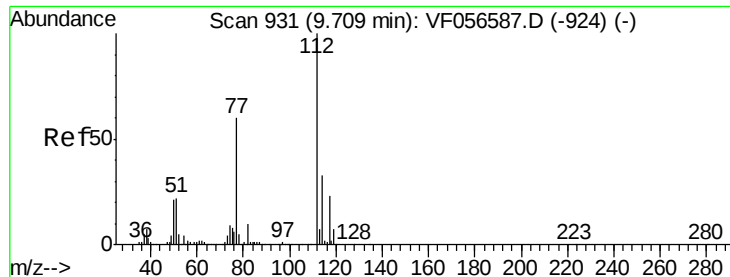
apatel
2/26/2018 10:57:54 AM



#64
Tetrachloroethene
Concen: 45.70 ug/l
RT: 8.07 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	216432		
166	125.4	100.3	150.5	
129	87.8	71.4	107.0	
131	86.4	71.7	107.5	





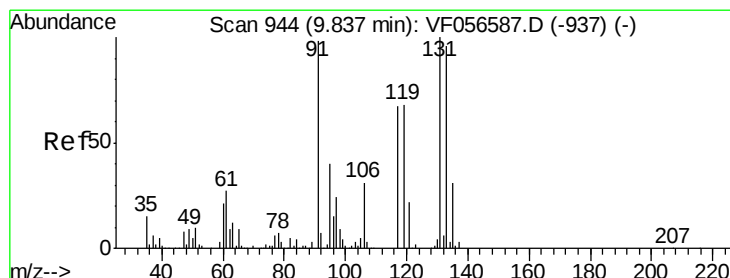
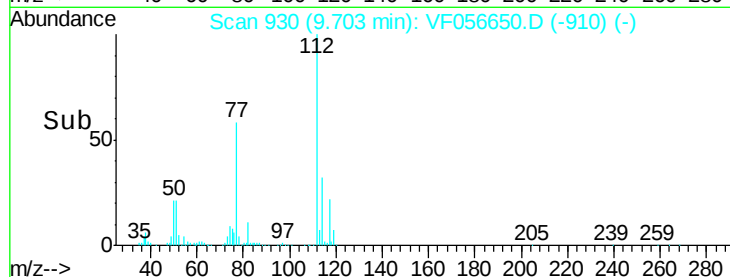
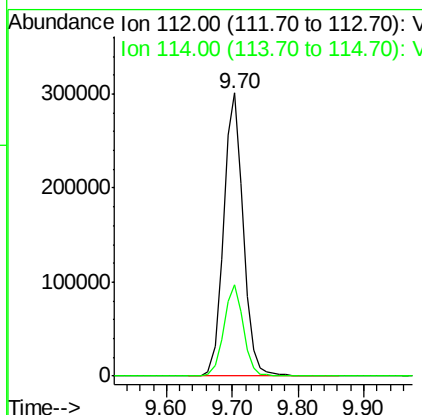
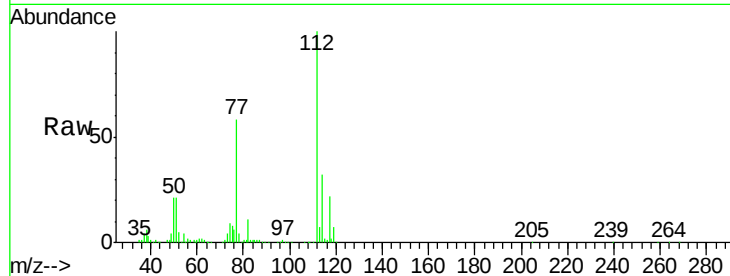
#65
Chlorobenzene
Concen: 48.77 ug/l
RT: 9.70 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	628880		
114	32.4	26.6	40.0	

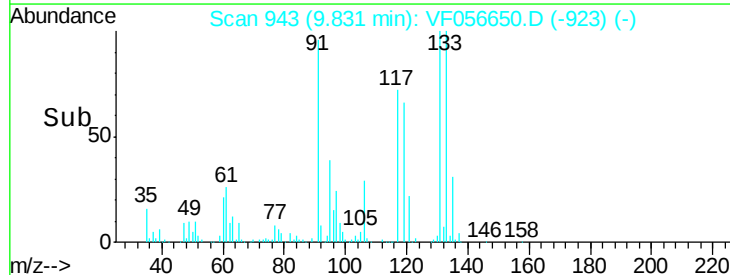
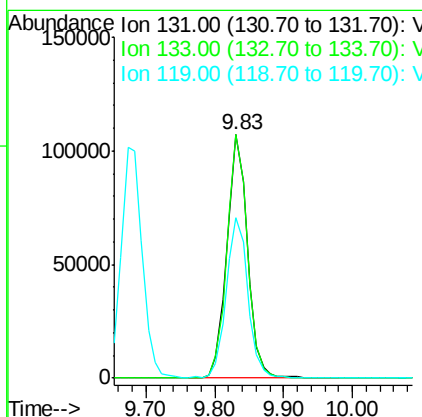
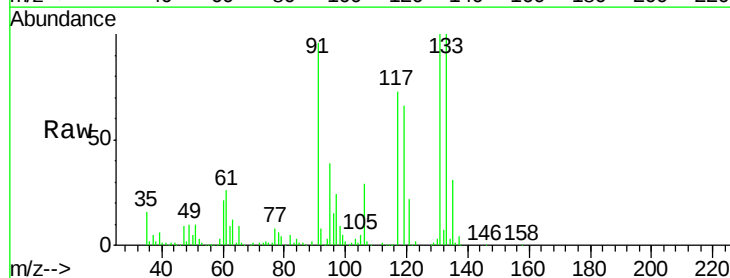
Manual Integrations
APPROVED

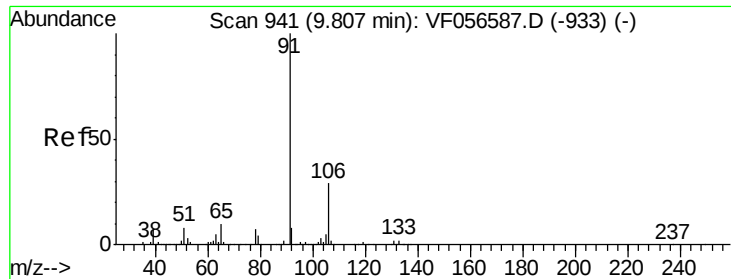
apatel
2/26/2018 10:57:54 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.34 ug/l
RT: 9.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	223751		
133	99.9	48.2	144.6	
119	66.0	34.0	101.8	





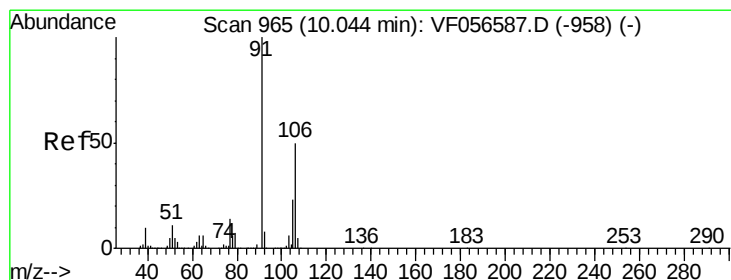
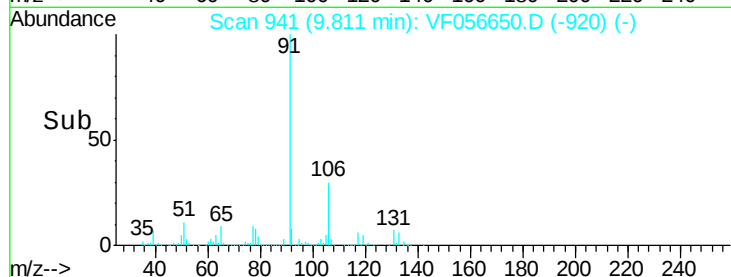
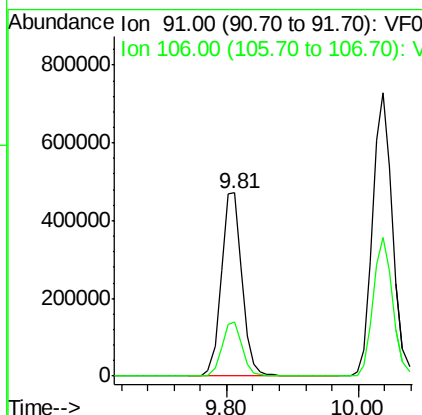
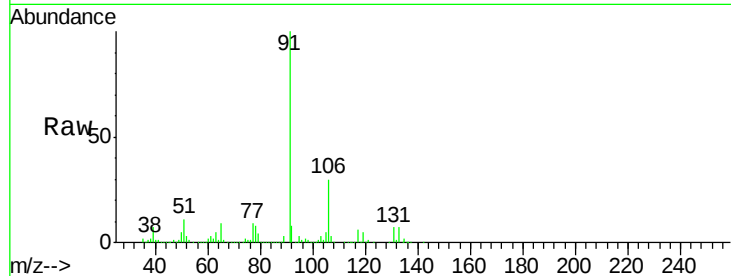
#67
Ethyl Benzene
Concen: 47.13 ug/l
RT: 9.81 min Scan# 941
Delta R.T. 0.00 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1036424
Ion Ratio Lower Upper
91 100
106 29.8 23.2 34.8

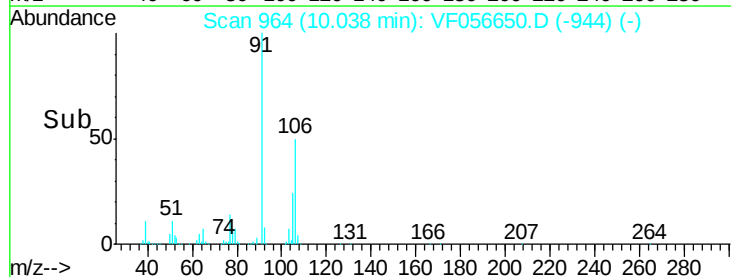
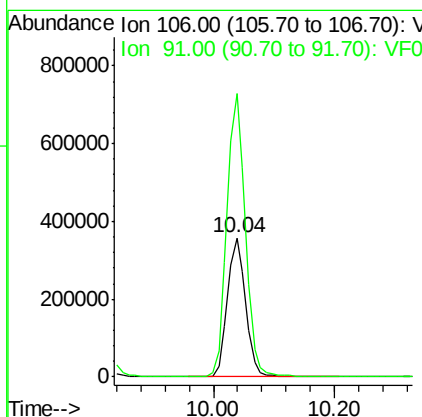
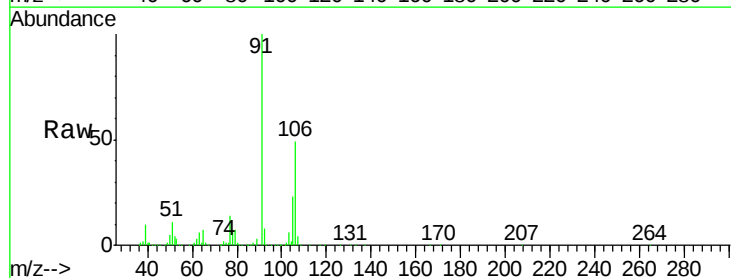
Manual Integrations
APPROVED

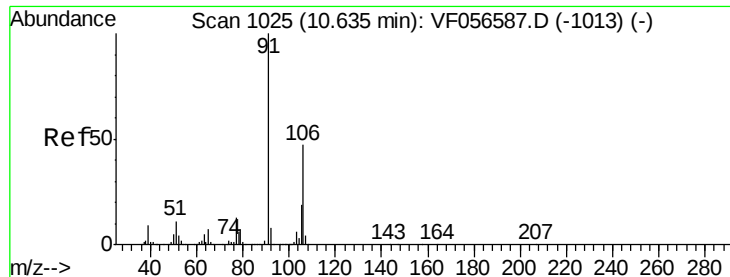
apatel
2/26/2018 10:57:54 AM



#68
m/p-Xylenes
Concen: 92.88 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 106 Resp: 746979
Ion Ratio Lower Upper
106 100
91 203.3 159.2 238.8





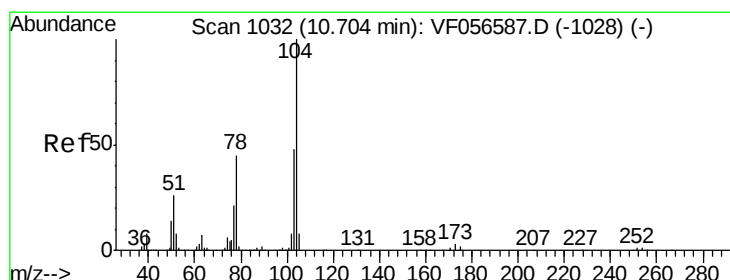
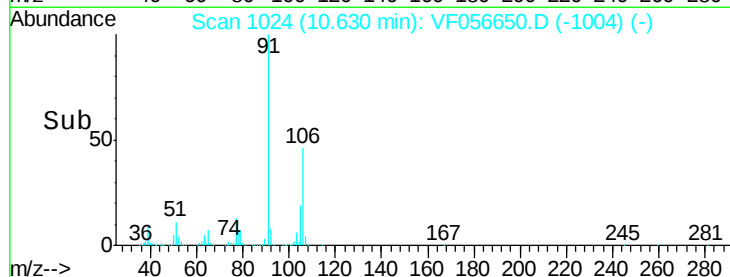
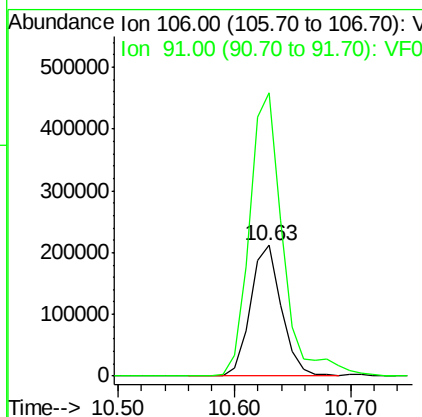
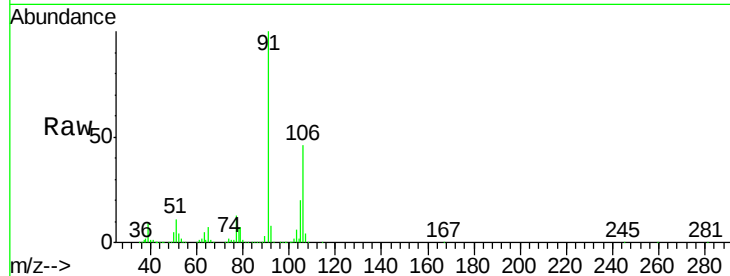
#69
o-Xylene
Concen: 46.46 ug/l
RT: 10.63 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 387880
Ion Ratio Lower Upper
106 100
91 216.9 107.6 322.8

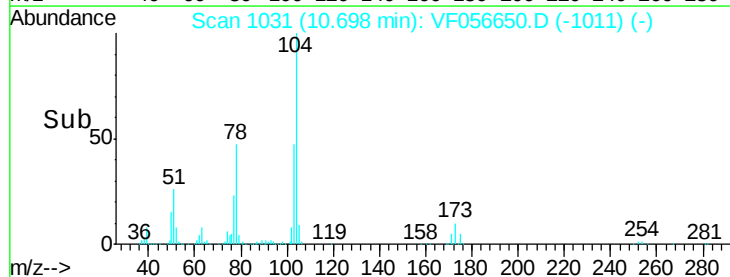
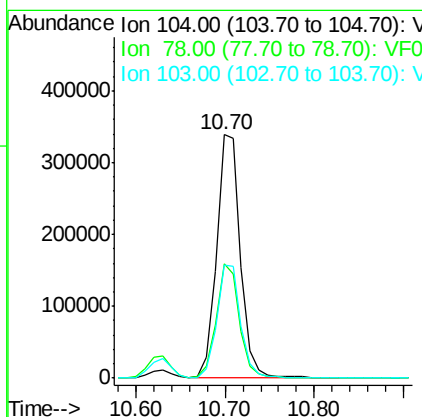
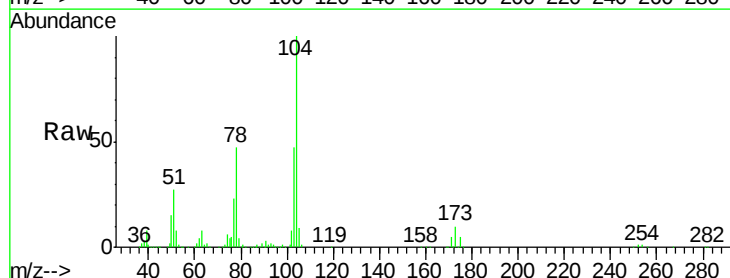
Manual Integrations
APPROVED

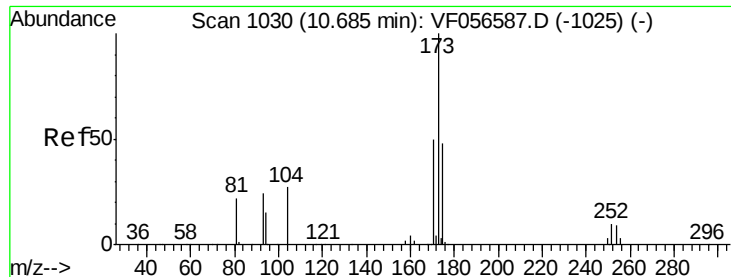
apatel
2/26/2018 10:57:54 AM



#70
Styrene
Concen: 47.77 ug/l
RT: 10.70 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion:104 Resp: 632047
Ion Ratio Lower Upper
104 100
78 47.0 36.4 54.6
103 46.6 38.7 58.1





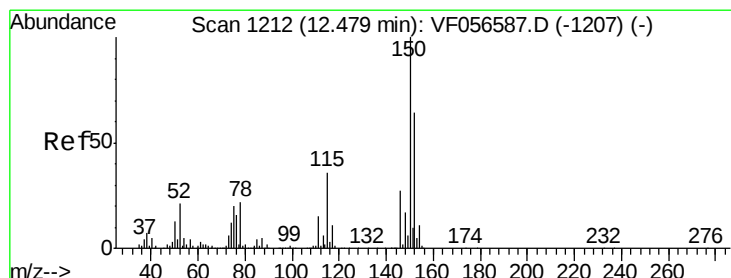
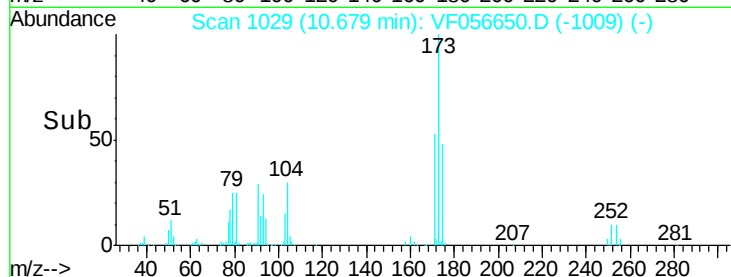
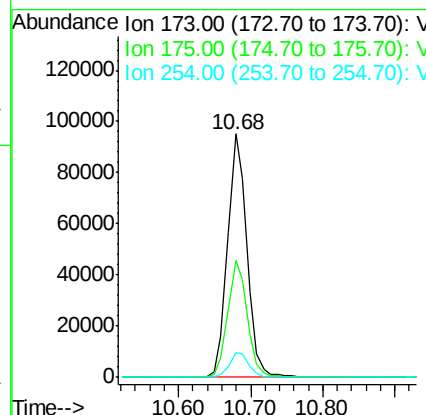
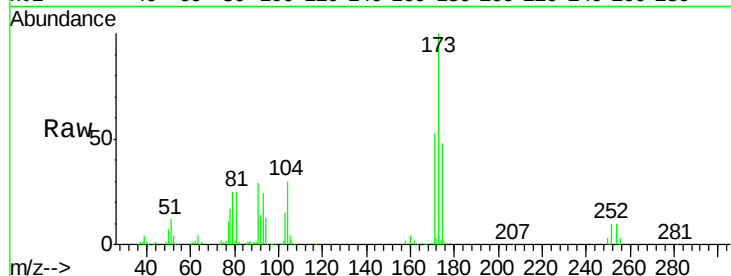
#71
Bromoform
Concen: 49.65 ug/l
RT: 10.68 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.0	72.0
254	10.3	7.5	11.3

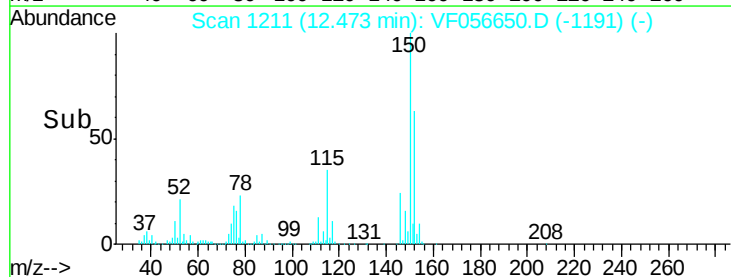
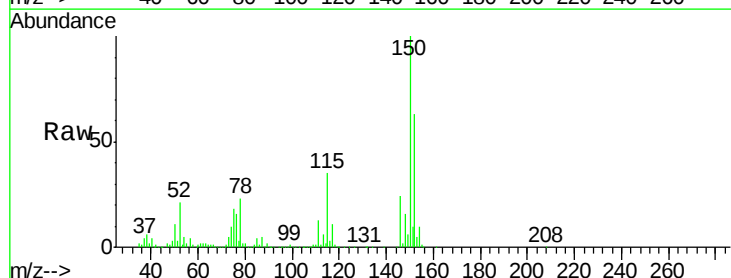
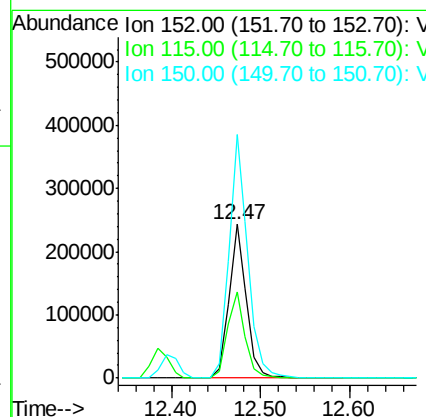
Manual Integrations
APPROVED

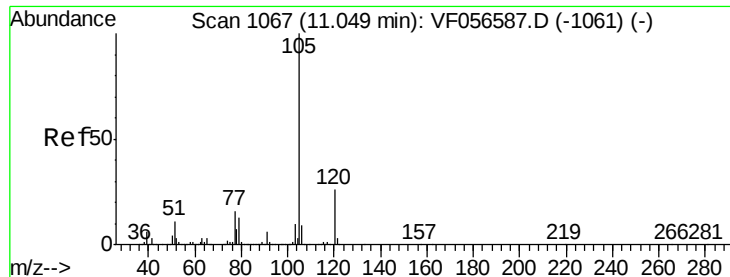
apatel
2/26/2018 10:57:54 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.47 min Scan# 1211
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.1	84.3
150	158.5	0.0	315.6





#73

Isopropylbenzene

Concen: 50.51 ug/l

RT: 11.04 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1118317

Ion Ratio Lower Upper

105 100

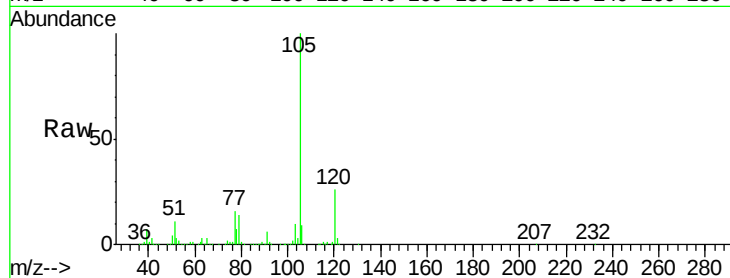
120 26.2 13.2 39.6

Manual Integrations

APPROVED

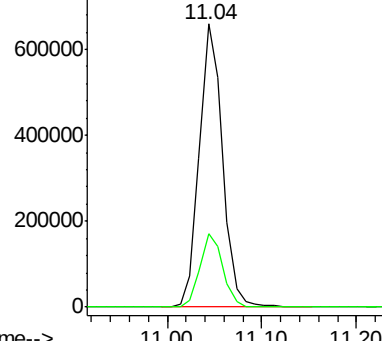
apatel

2/26/2018 10:57:54 AM

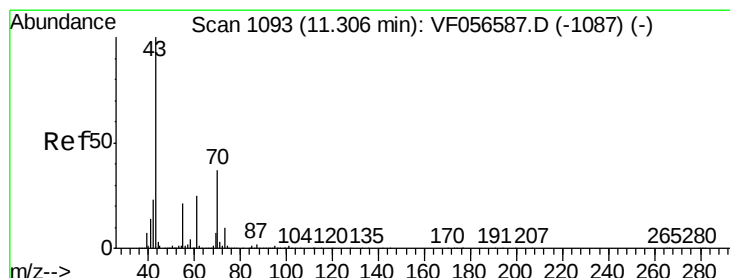
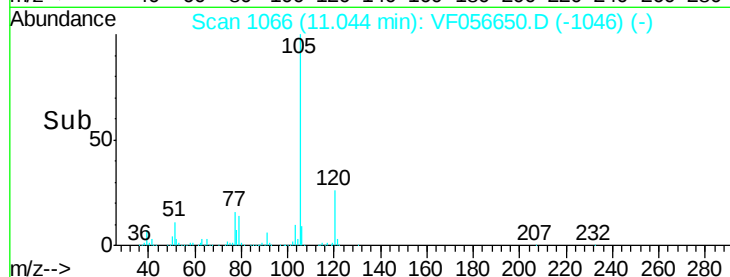


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 45.05 ug/l

RT: 11.30 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion: 43 Resp: 446138

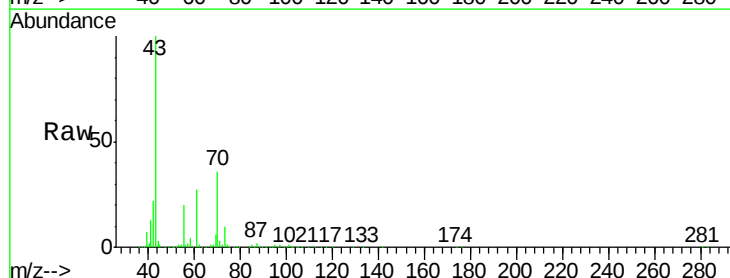
Ion Ratio Lower Upper

43 100

70 36.0 29.5 44.3

55 20.2 17.0 25.4

61 27.3 20.0 30.0

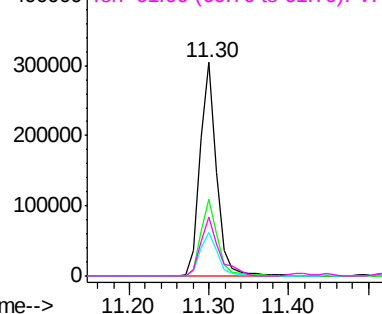


Abundance Ion 43.00 (42.70 to 43.70): VF0

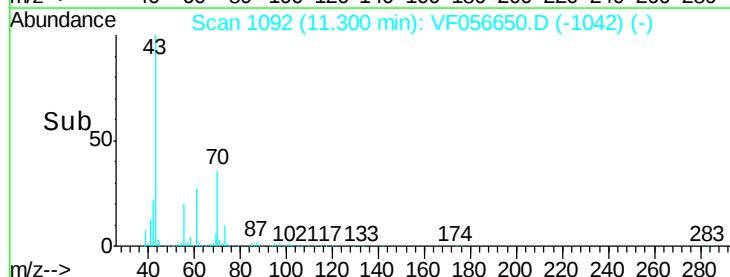
Ion 70.00 (69.70 to 70.70): VF0

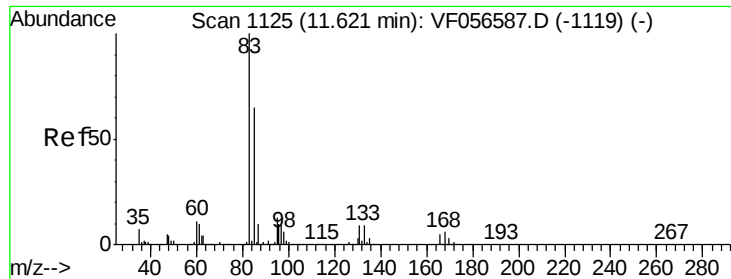
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.16 ug/l

RT: 11.62 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

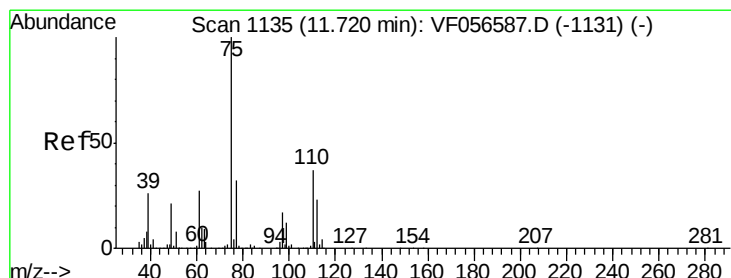
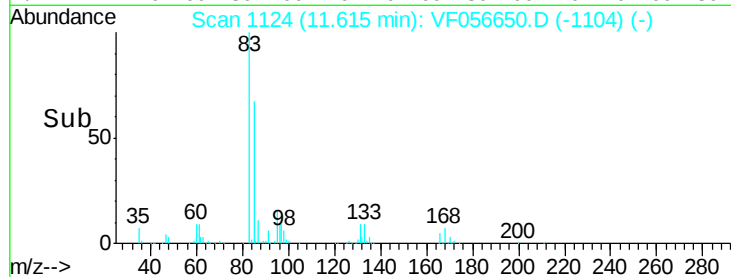
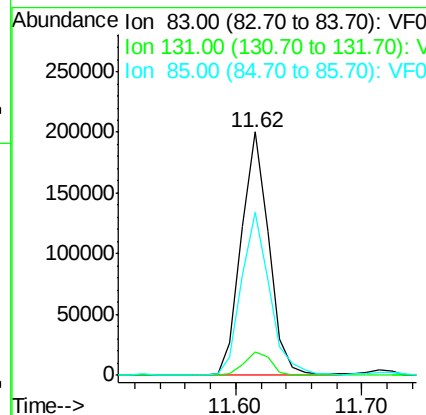
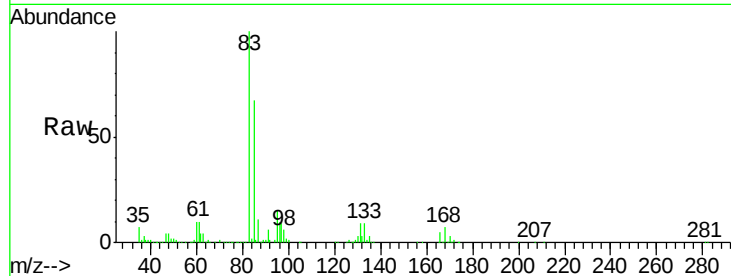
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	302499
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.5	13.4
85	66.9	32.4	97.2

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#76

1,2,3-Trichloropropane

Concen: 45.54 ug/l

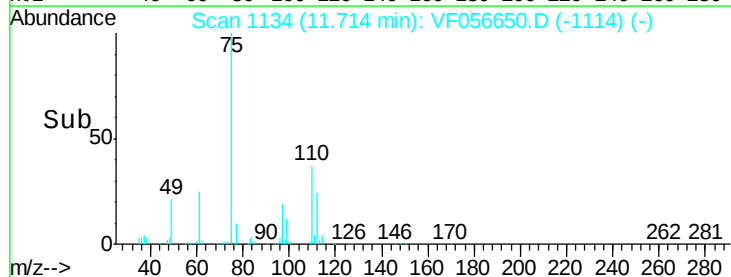
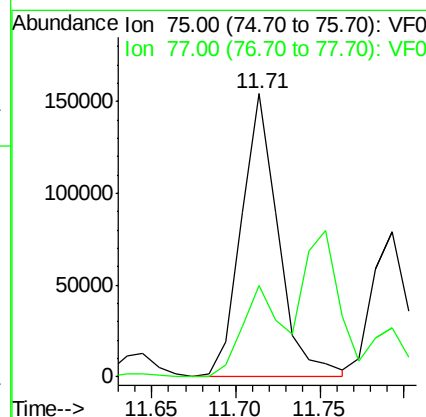
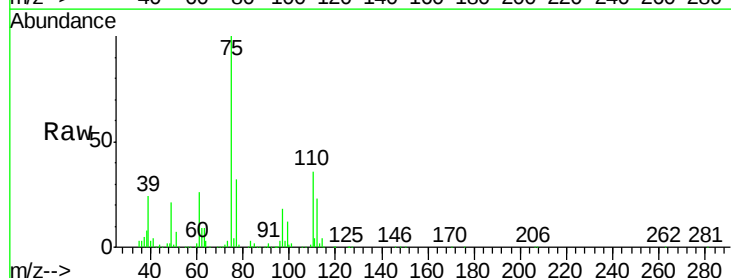
RT: 11.71 min Scan# 1134

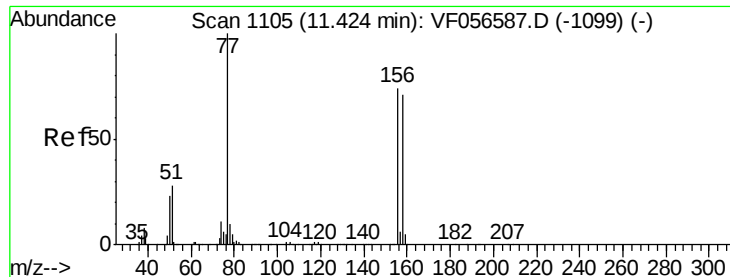
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	75	Resp:	234064
Ion Ratio	Lower	Upper	
75	100		
77	32.3	16.0	48.0





#77

Bromobenzene

Concen: 50.74 ug/l

RT: 11.42 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

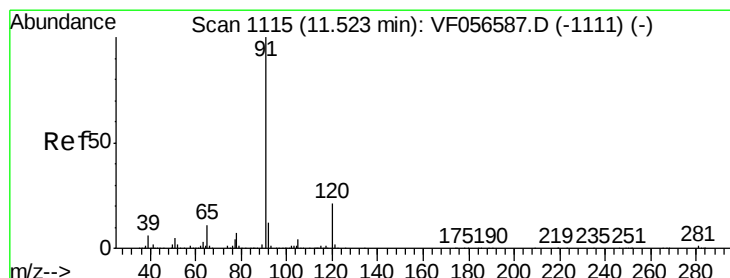
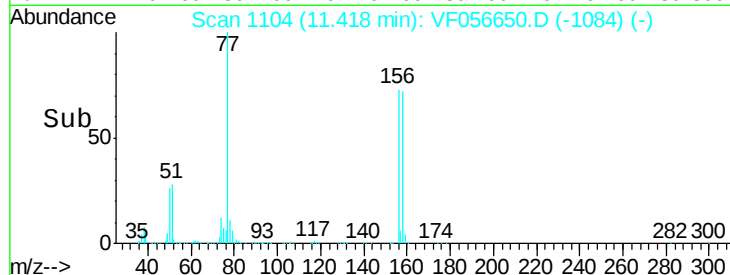
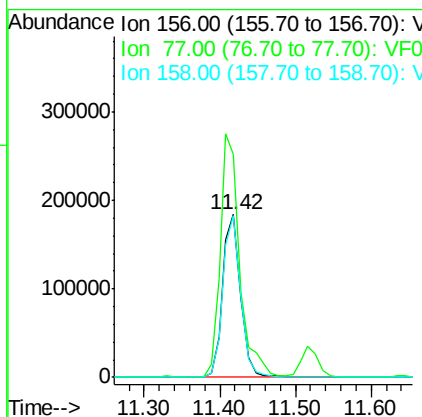
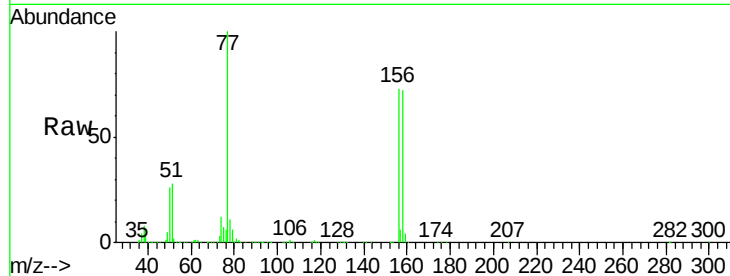
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	137.2	67.3	201.8
158	99.2	48.0	144.2

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#78

n-propylbenzene

Concen: 48.55 ug/l

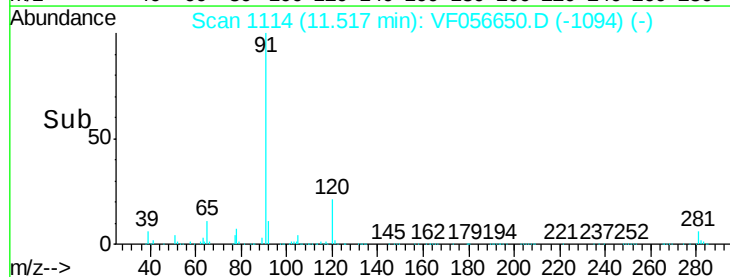
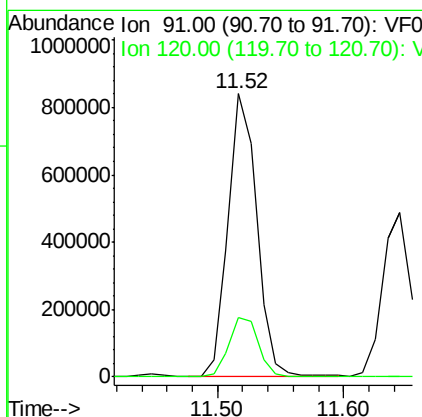
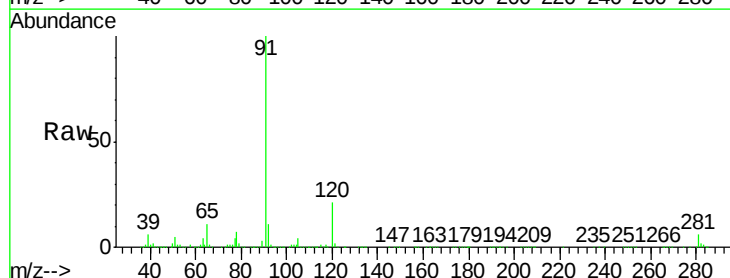
RT: 11.52 min Scan# 1114

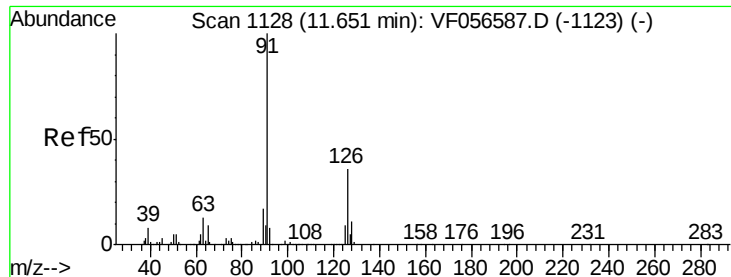
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.7	31.9





#79

2-Chlorotoluene

Concen: 48.02 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 771344

Ion Ratio Lower Upper

91 100

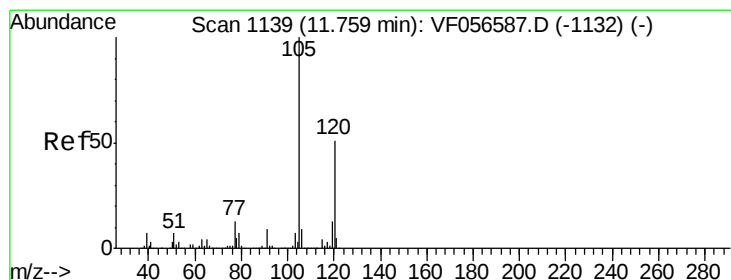
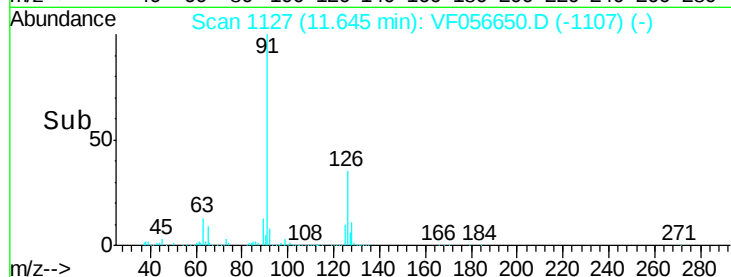
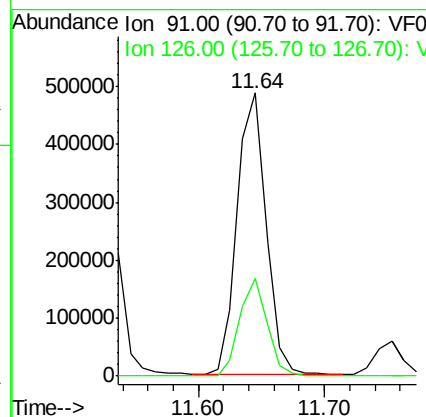
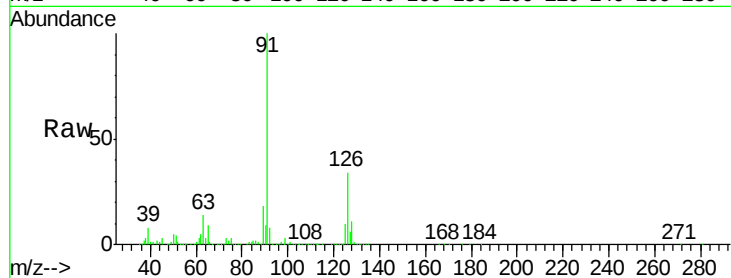
126 34.3 17.8 53.3

Manual Integrations

APPROVED

apatel

2/26/2018 10:57:54 AM



#80

1,3,5-Trimethylbenzene

Concen: 48.05 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF056650.D

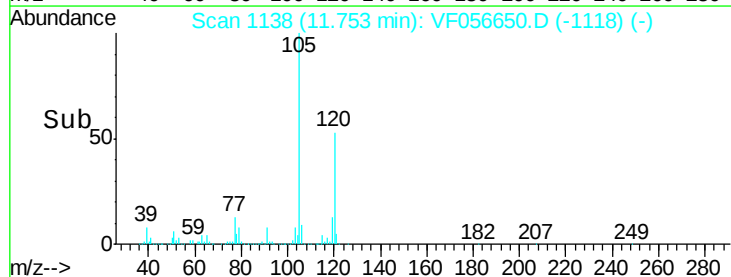
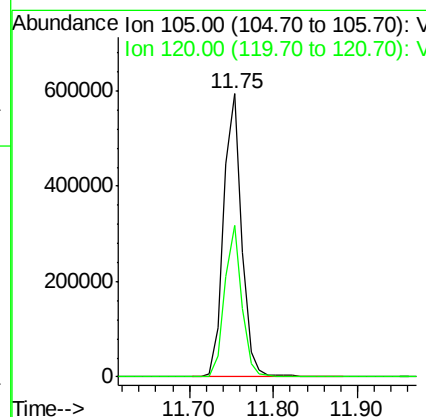
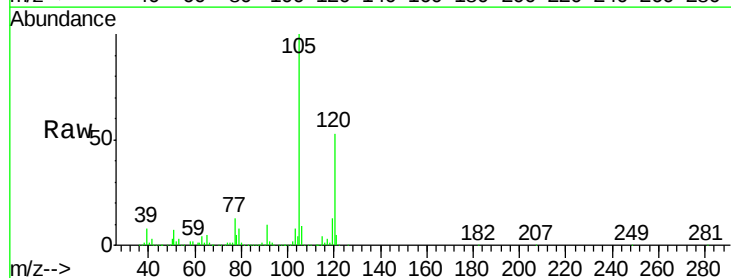
Acq: 23 Feb 2018 11:24

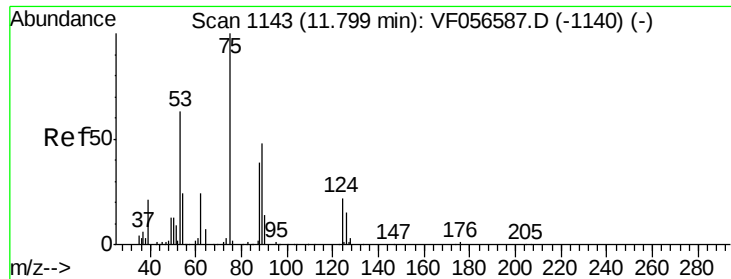
Tgt Ion: 105 Resp: 881479

Ion Ratio Lower Upper

105 100

120 53.5 25.4 76.0





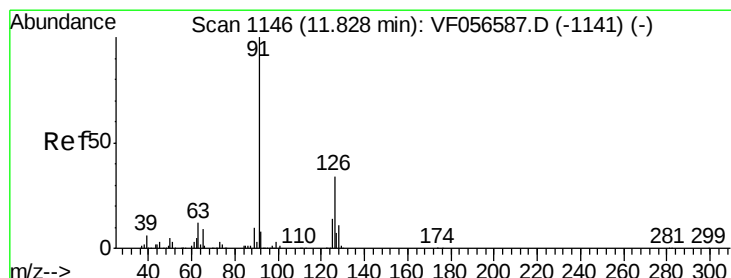
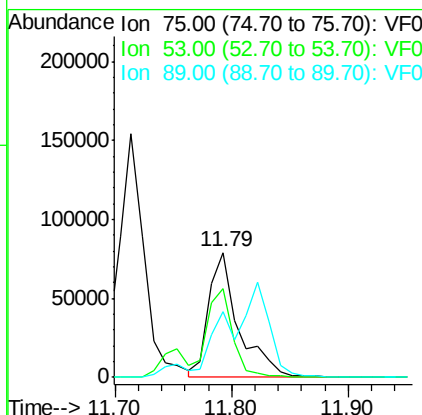
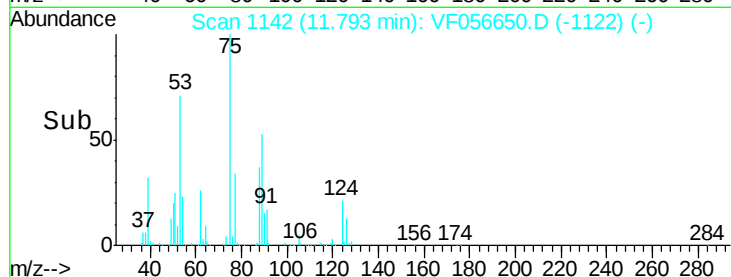
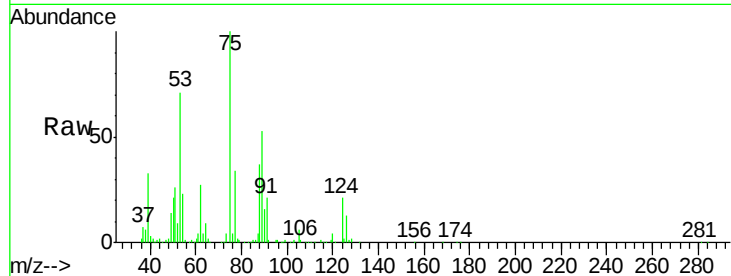
#81
trans-1,4-Dichloro-2-butene
Concen: 49.81 ug/l
RT: 11.79 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	70.9	55.4	83.0
89	52.8	40.4	60.6

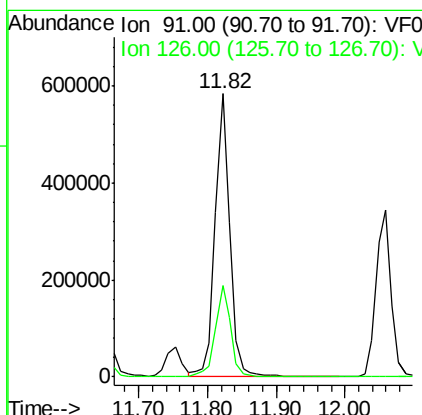
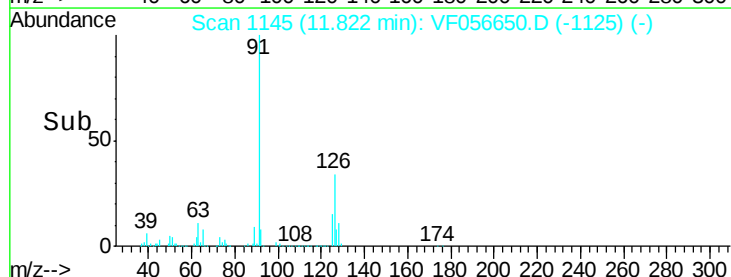
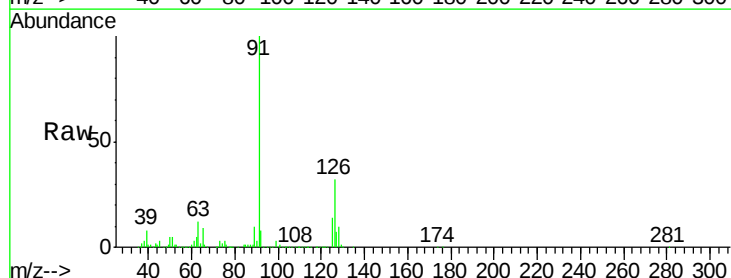
Manual Integrations
APPROVED

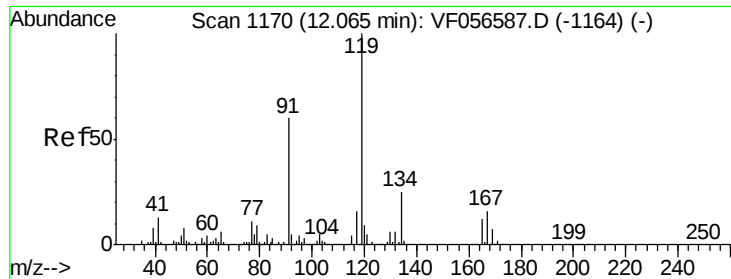
apatel
2/26/2018 10:57:54 AM



#82
4-Chlorotoluene
Concen: 49.13 ug/l
RT: 11.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	17.1	51.3





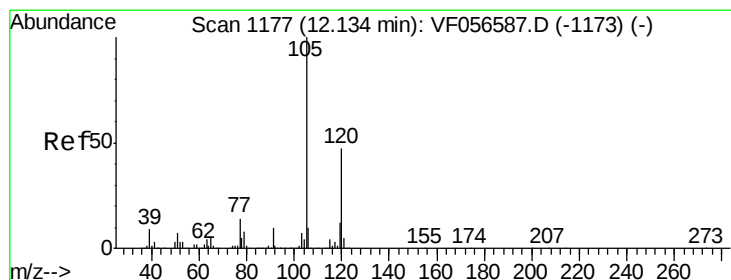
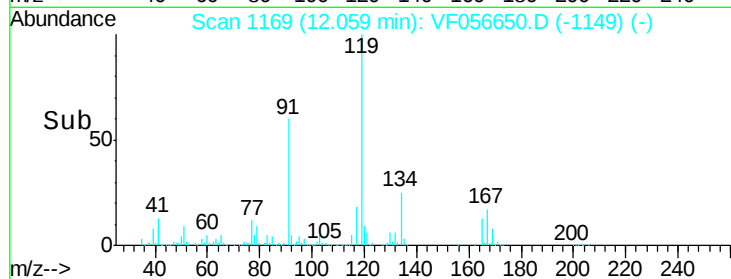
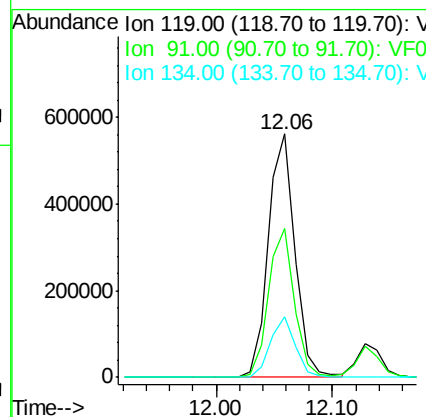
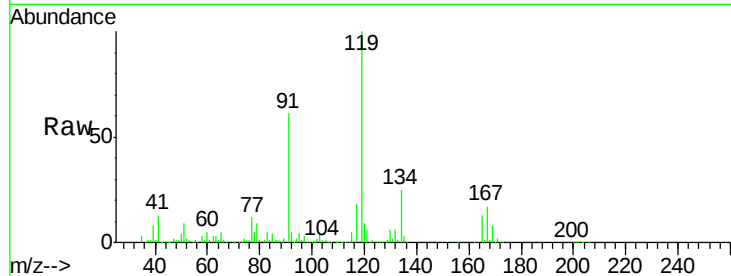
#83
tert-Butylbenzene
Concen: 50.04 ug/l
RT: 12.06 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	888955		
91	61.2	29.8	89.4	
134	25.0	12.4	37.4	

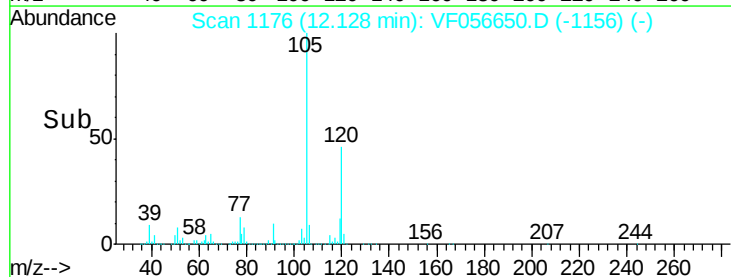
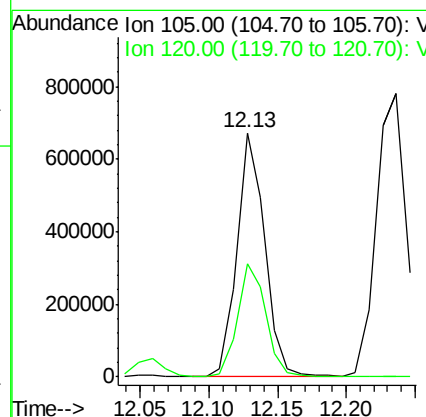
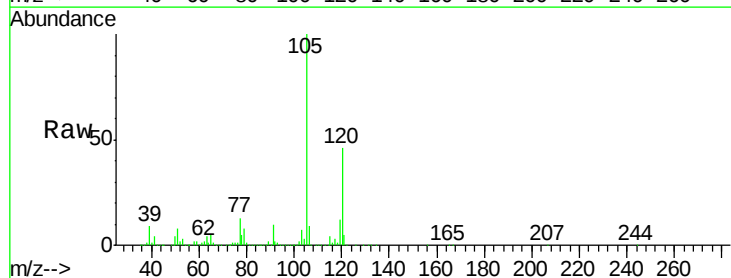
Manual Integrations
APPROVED

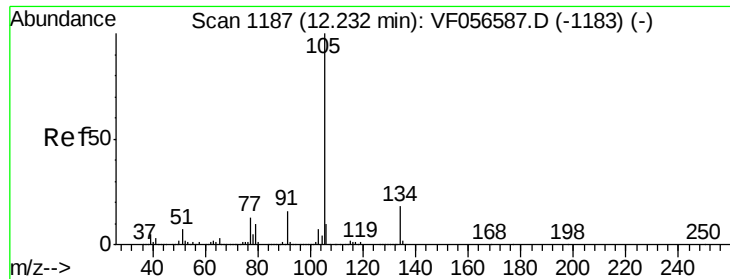
apatel
2/26/2018 10:57:54 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.45 ug/l
RT: 12.13 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	946125		
120	46.1	23.5	70.5	





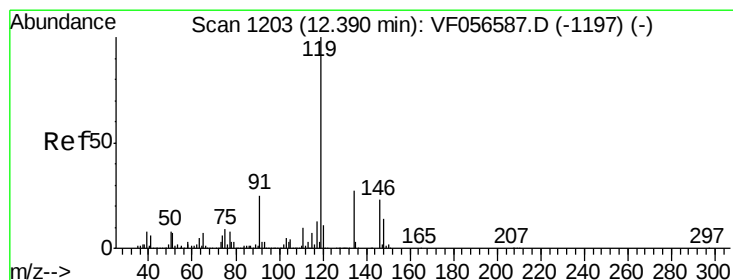
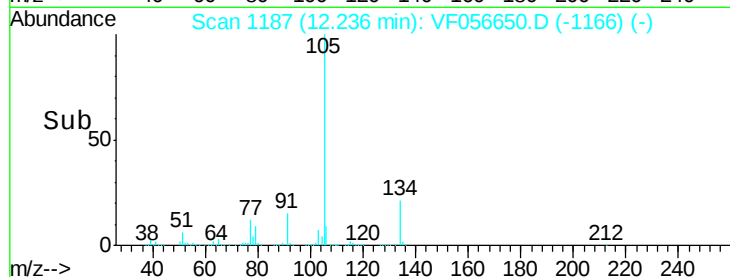
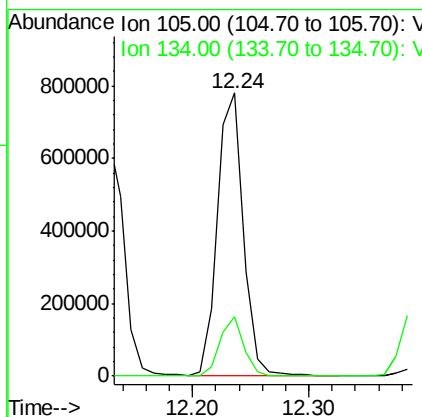
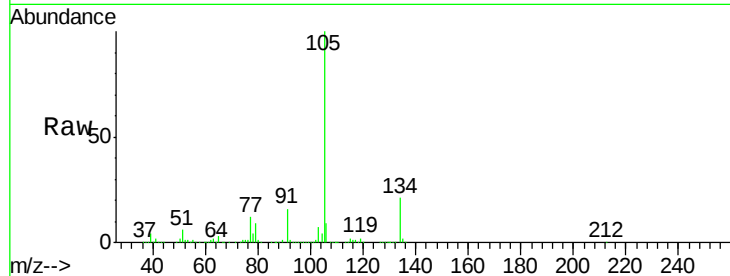
#85
 sec-Butylbenzene
 Concen: 49.17 ug/l
 RT: 12.24 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1202665
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.1 27.3

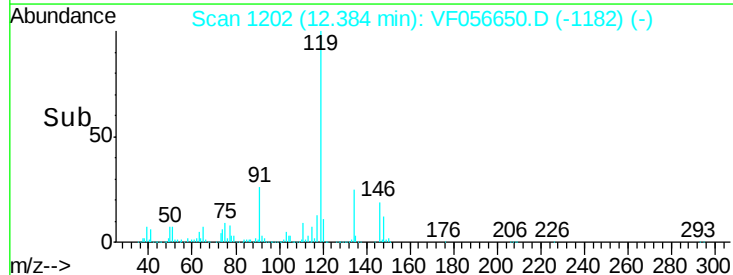
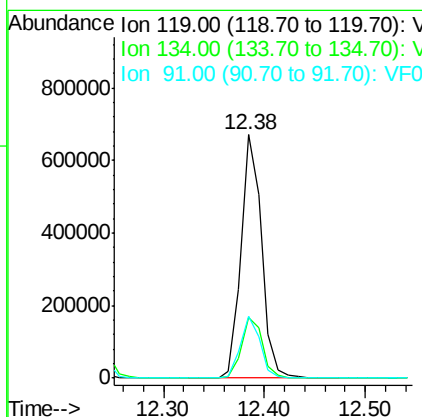
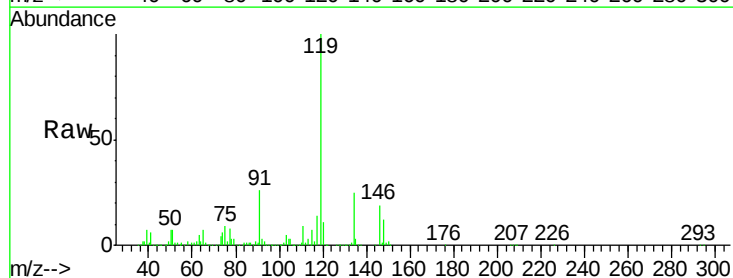
Manual Integrations
 APPROVED

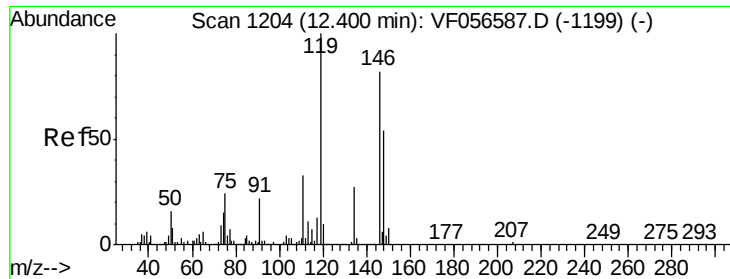
apatel
 2/26/2018 10:57:54 AM



#86
 p-Isopropyltoluene
 Concen: 48.42 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Tgt Ion:119 Resp: 950845
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.4 40.2
 91 25.6 12.7 38.0





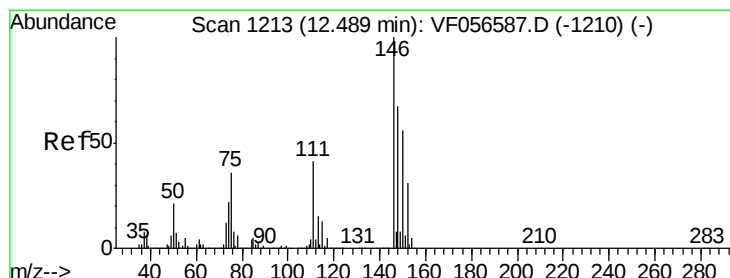
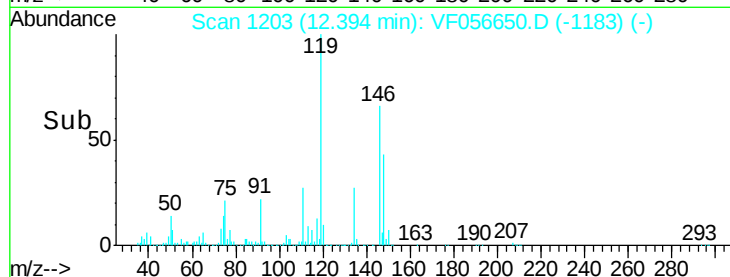
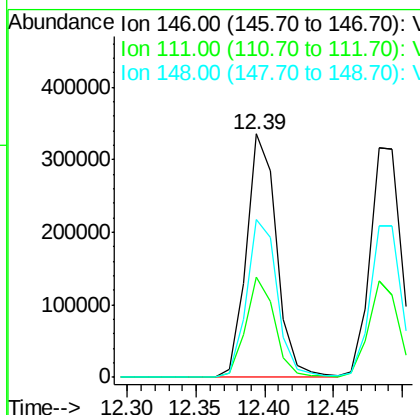
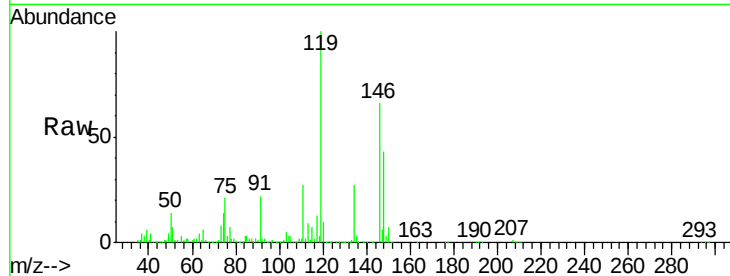
#87
 1,3-Dichlorobenzene
 Concen: 46.75 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	60.0
148	65.0	32.6	97.7

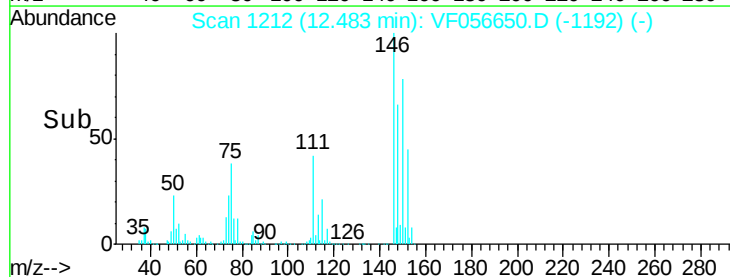
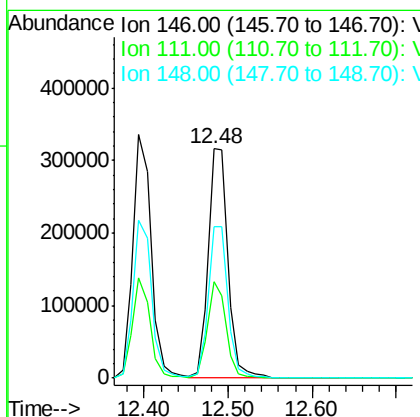
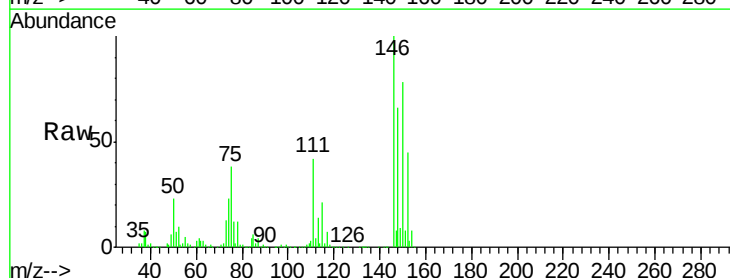
Manual Integrations
 APPROVED

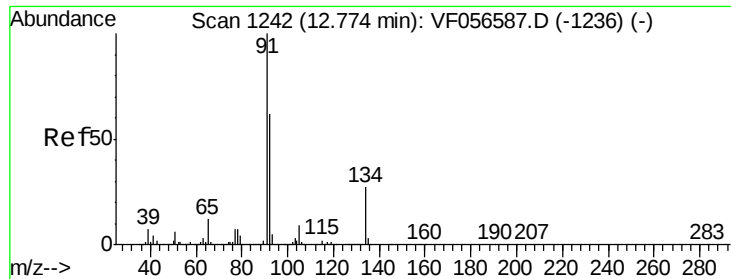
apatel
 2/26/2018 10:57:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.48 ug/l
 RT: 12.48 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.9
148	66.0	33.4	100.2





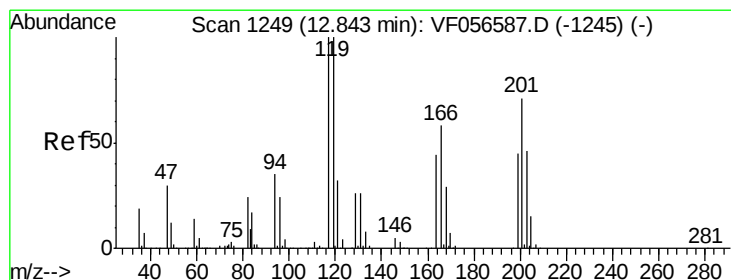
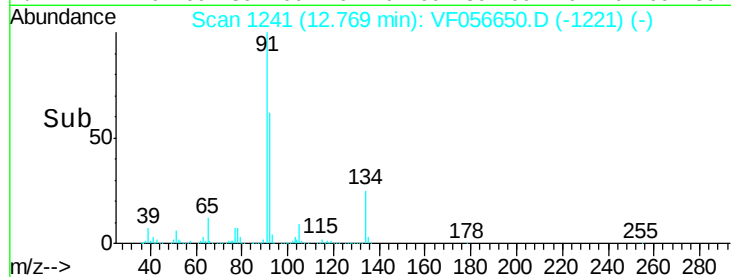
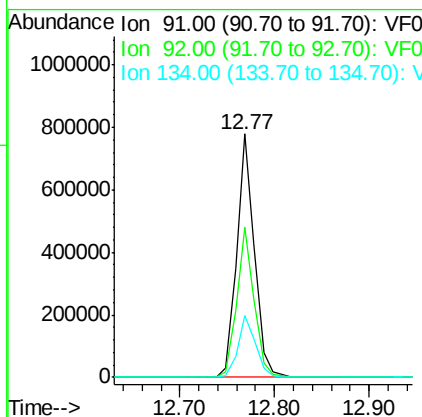
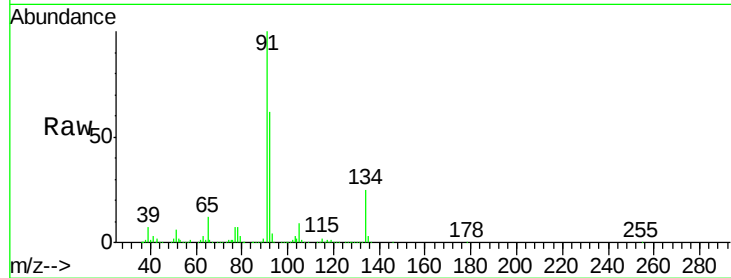
#89
n-Butylbenzene
Concen: 55.22 ug/l
RT: 12.77 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1003652
Ion Ratio Lower Upper
91 100
92 61.7 30.9 92.7
134 25.2 13.7 41.0

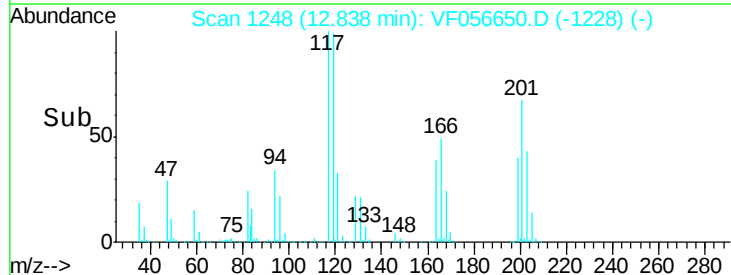
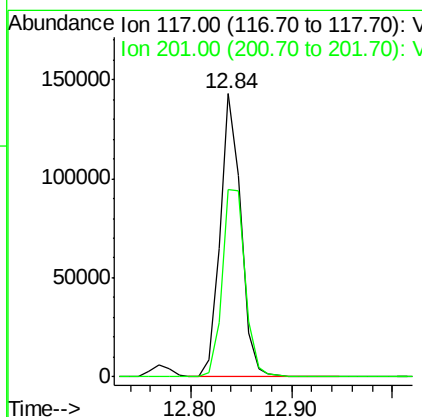
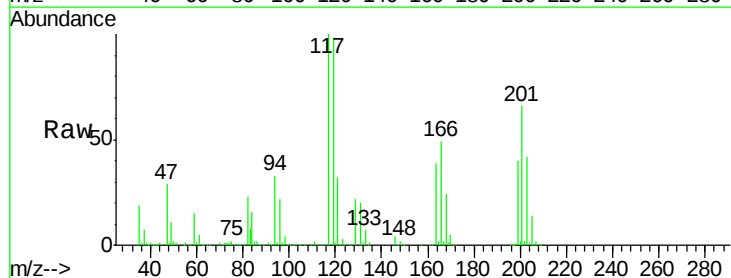
Manual Integrations
APPROVED

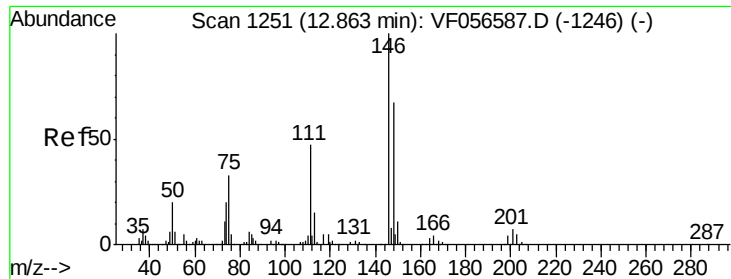
apatel
2/26/2018 10:57:54 AM



#90
Hexachloroethane
Concen: 54.58 ug/l
RT: 12.84 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion: 117 Resp: 206009
Ion Ratio Lower Upper
117 100
201 66.2 35.4 106.2





#91

1,2-Dichlorobenzene

Concen: 48.71 ug/l

RT: 12.87 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Instrument :

MSVOA_F

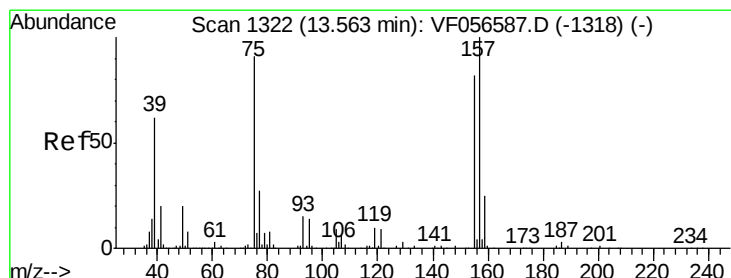
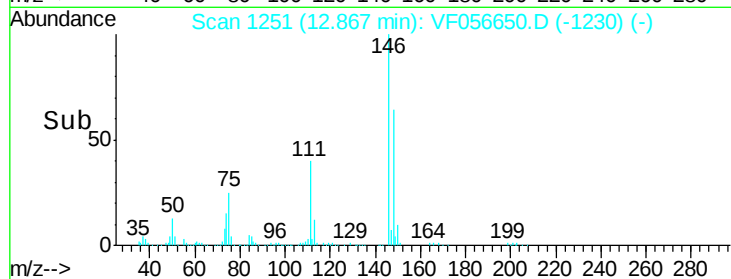
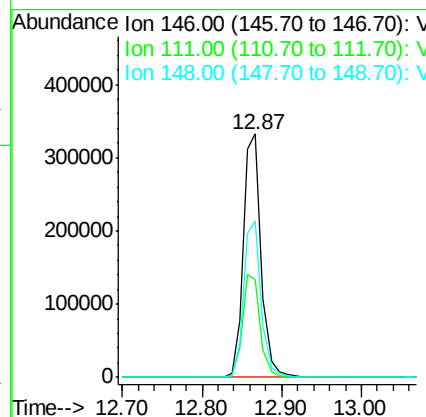
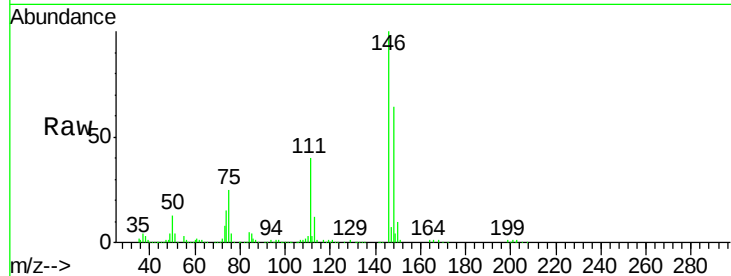
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	516170
Ion Ratio		Lower	Upper
146	100		
111	40.0	23.4	70.3
148	64.3	33.6	100.6

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.82 ug/l

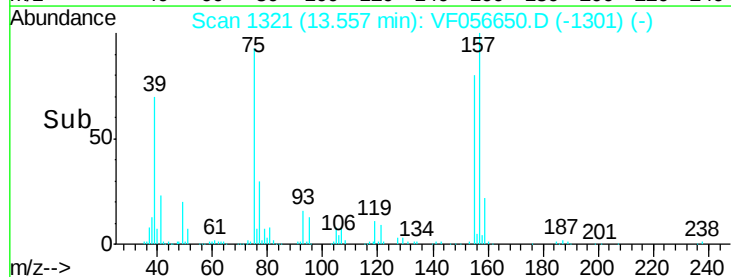
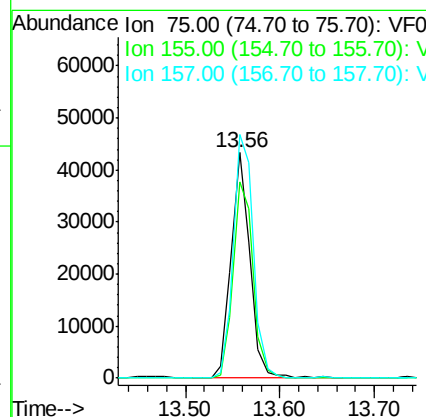
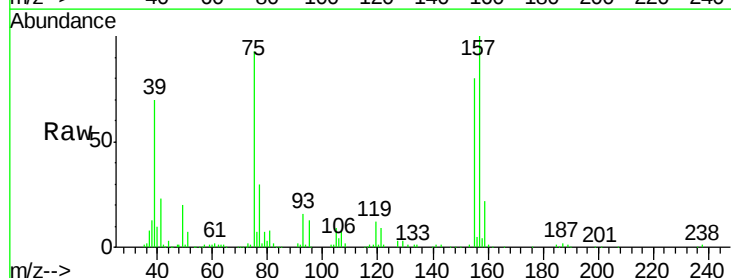
RT: 13.56 min Scan# 1321

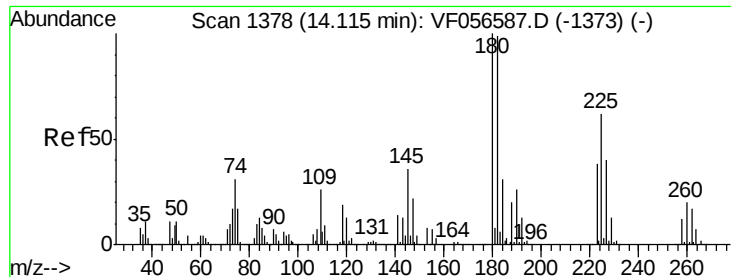
Delta R.T. -0.01 min

Lab File: VF056650.D

Acq: 23 Feb 2018 11:24

Tgt Ion:	75	Resp:	59671
Ion Ratio		Lower	Upper
75	100		
155	86.9	45.1	135.3
157	108.0	54.9	164.8





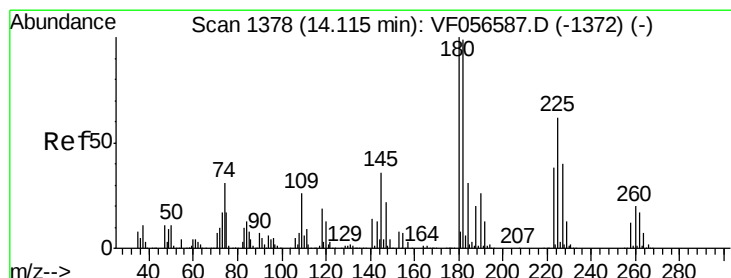
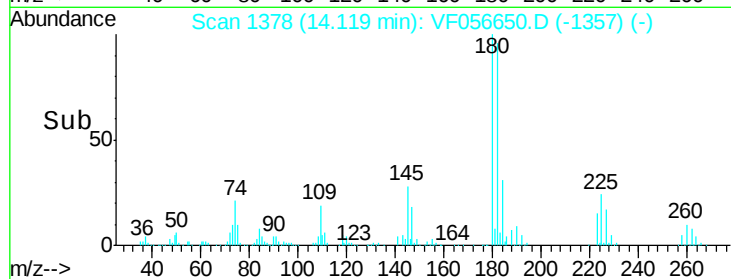
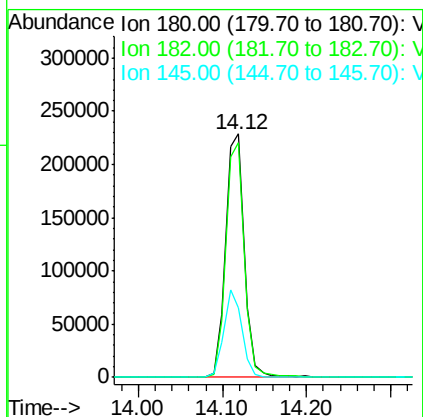
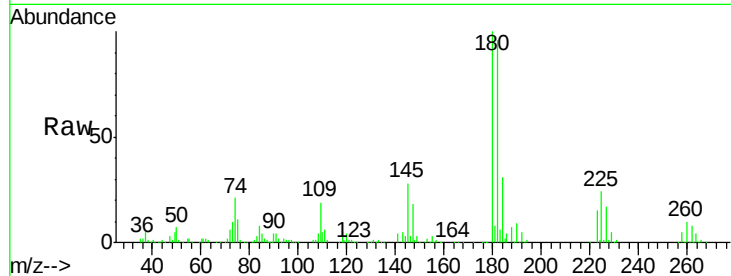
#93
 1,2,4-Trichlorobenzene
 Concen: 49.10 ug/l
 RT: 14.12 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	353191		
182	96.4	49.5	148.5	
145	28.3	17.8	53.5	

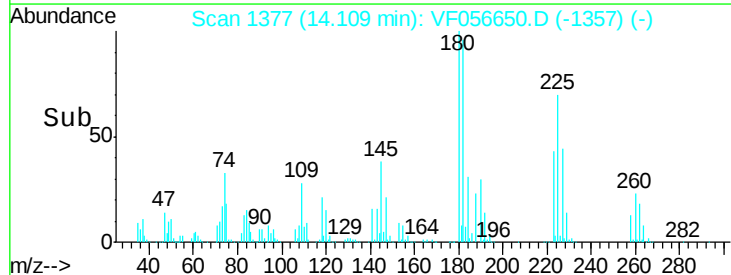
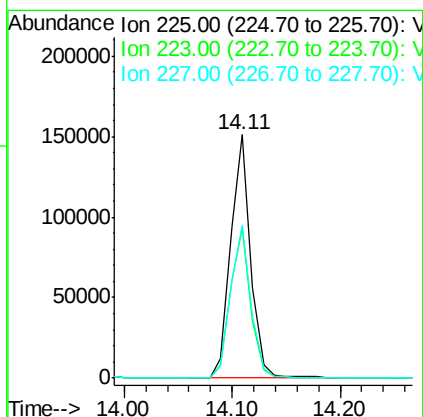
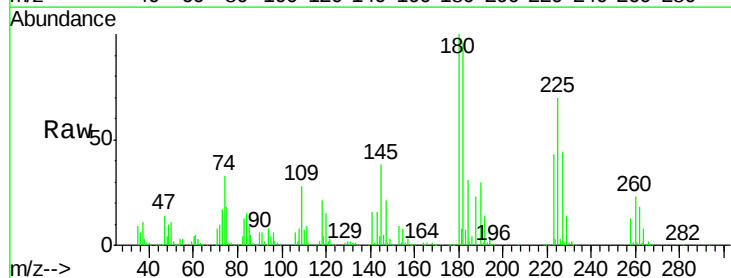
Manual Integrations
 APPROVED

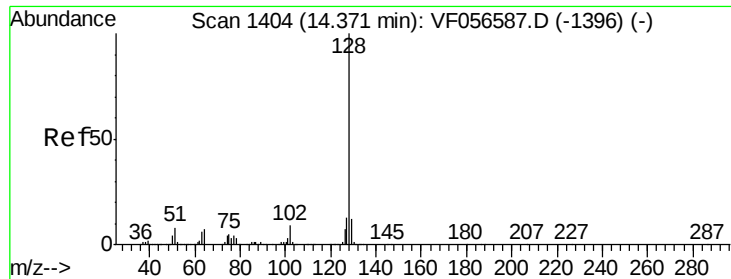
apatel
 2/26/2018 10:57:54 AM



#94
 Hexachlorobutadiene
 Concen: 47.20 ug/l
 RT: 14.11 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF056650.D
 Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	193629		
223	61.4	31.1	93.3	
227	62.6	32.1	96.3	





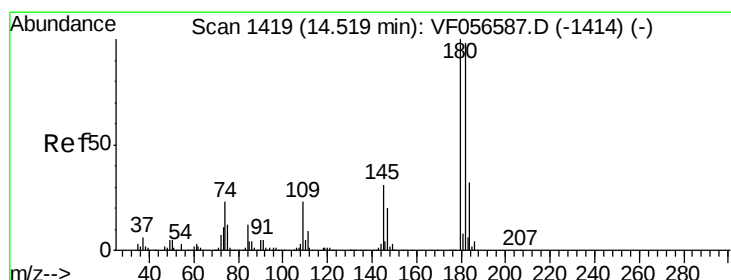
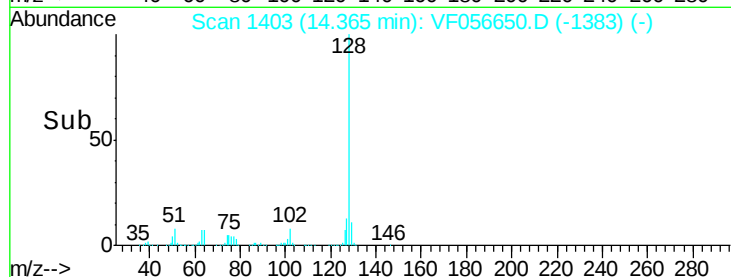
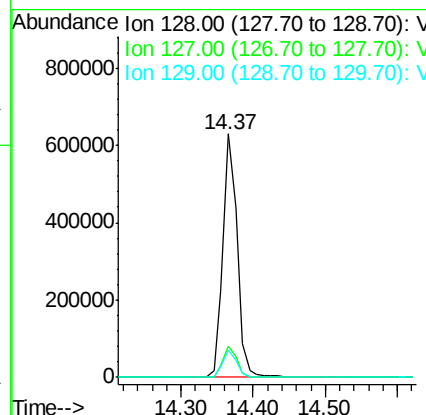
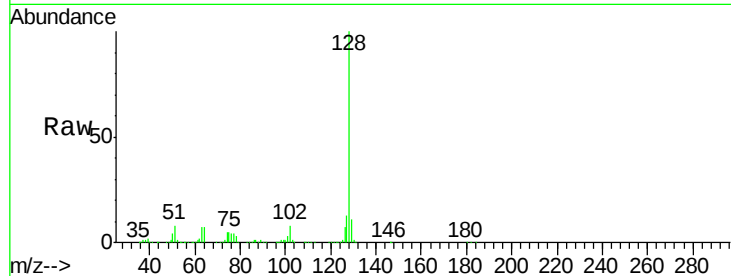
#95
Naphthalene
Concen: 47.16 ug/l
RT: 14.37 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	853453		
127	12.7	10.3	15.5	
129	11.1	9.4	14.0	

Manual Integrations
APPROVED

apatel
2/26/2018 10:57:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.58 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF056650.D
Acq: 23 Feb 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	330689		
182	97.1	49.0	147.2	
145	31.9	15.4	46.1	

