

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059517.D
 Acq On : 17 Jul 2018 20:18
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF071718

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:24 PM

Quant Time: Jul 18 04:23:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 02:57:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	270874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	397698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	380863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	221806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	206693	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	4.31	113	169978	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	7.73	98	437550	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.52	95	221550	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	151364	45.61	ug/l	95
3) Chloromethane	1.08	50	95108	52.08	ug/l	96
4) Vinyl Chloride	1.14	62	88285	47.92	ug/l	95
5) Bromomethane	1.34	94	61172	47.91	ug/l	90
6) Chloroethane	1.43	64	47726	51.37	ug/l	95
7) Trichlorofluoromethane	1.52	101	214172	47.49	ug/l	88
8) Diethyl Ether	1.71	74	39562	45.59	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.90	101	90338	47.44	ug/l	98
10) Methyl Iodide	1.96	142	183215	54.96	ug/l	99
11) Tert butyl alcohol	2.69	59	46733	263.82	ug/l	95
12) 1,1-Dichloroethene	1.86	96	94886	46.85	ug/l	99
13) Acrolein	2.10	56	17948	236.76	ug/l	97
14) Allyl chloride	2.20	41	133182	52.70	ug/l	97
15) Acrylonitrile	3.09	53	92286	261.10	ug/l	89
16) Acetone	2.35	43	159179	253.35	ug/l	96
17) Carbon Disulfide	1.89	76	247187	47.63	ug/l	95
18) Methyl Acetate	2.45	43	62413m	48.41	ug/l	
19) Methyl tert-butyl Ether	2.54	73	308710	48.59	ug/l	99
20) Methylene Chloride	2.33	84	98696	52.12	ug/l	89
21) trans-1,2-Dichloroethene	2.42	96	92582	49.44	ug/l	99
22) Diisopropyl ether	2.94	45	341173	48.03	ug/l	96
23) Vinyl Acetate	3.34	43	1012952	244.04	ug/l	100
24) 1,1-Dichloroethane	3.01	63	214804	48.97	ug/l	99
25) 2-Butanone	4.53	43	225696	230.75	ug/l	98
26) 2,2-Dichloropropane	3.78	77	128696	44.35	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	104709	48.05	ug/l	98
28) Bromochloromethane	3.90	49	94644	49.02	ug/l #	96
29) Tetrahydrofuran	4.28	42	105758	267.18	ug/l	97
30) Chloroform	4.05	83	305709	48.24	ug/l	99
31) Cyclohexane	3.87	56	127986	56.33	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	210750	51.18	ug/l	96
36) 1,1-Dichloropropene	4.47	75	183883	46.19	ug/l	94
37) Ethyl Acetate	4.32	43	113929	53.54	ug/l #	88
38) Carbon Tetrachloride	4.18	117	231443	50.74	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059517.D
 Acq On : 17 Jul 2018 20:18
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV071718

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:24 PM

Quant Time: Jul 18 04:23:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 02:57:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.64	83	152012	50.32	ug/l	93
40) Benzene	4.82	78	386666	50.07	ug/l	100
41) Methacrylonitrile	4.94	41	52967	46.40	ug/l #	76
42) 1,2-Dichloroethane	5.14	62	241649	47.64	ug/l	98
43) Isopropyl Acetate	7.13	43	142511	49.82	ug/l #	99
44) Trichloroethene	5.69	130	129813	45.41	ug/l	96
45) 1,2-Dichloropropane	6.42	63	104690	48.84	ug/l	95
46) Dibromomethane	6.27	93	93032	47.66	ug/l	98
47) Bromodichloromethane	6.57	83	246380	49.03	ug/l	99
48) Methyl methacrylate	6.89	41	98710	48.32	ug/l	98
49) 1,4-Dioxane	6.89	88	10610	1165.01	ug/l #	71
51) 4-Methyl-2-Pentanone	8.43	43	484390	238.90	ug/l	96
52) Toluene	7.80	92	271036	48.39	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	214781	46.47	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	228069	49.56	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	105207	48.48	ug/l	98
56) Ethyl methacrylate	8.77	69	137476	51.08	ug/l	96
57) 1,3-Dichloropropane	9.02	76	183270	47.76	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.80	63	57272	241.05	ug/l	100
59) 2-Hexanone	9.65	43	391680	255.60	ug/l	99
60) Dibromochloromethane	8.88	129	179094	48.97	ug/l	99
61) 1,2-Dibromoethane	9.16	107	130561	48.49	ug/l	98
64) Tetrachloroethene	8.32	164	143656	50.65	ug/l	95
65) Chlorobenzene	9.96	112	348253	48.76	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	153321	47.13	ug/l	96
67) Ethyl Benzene	10.05	91	605902	47.66	ug/l	99
68) m/p-Xylenes	10.28	106	425704	94.86	ug/l	98
69) o-Xylene	10.84	106	239432	50.11	ug/l	97
70) Styrene	10.91	104	355169	48.36	ug/l	98
71) Bromoform	10.90	173	114427	50.63	ug/l	92
73) Isopropylbenzene	11.24	105	694888	49.65	ug/l	99
74) N-amyl acetate	11.47	43	225368	50.28	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	145607	47.70	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	118945	47.71	ug/l	97
77) Bromobenzene	11.61	156	187690	47.84	ug/l	98
78) n-propylbenzene	11.70	91	772744	48.13	ug/l	99
79) 2-Chlorotoluene	11.83	91	463345	46.85	ug/l	94
80) 1,3,5-Trimethylbenzene	11.93	105	568074	48.44	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	52631m	46.22	ug/l	
82) 4-Chlorotoluene	12.00	91	529667	47.80	ug/l	96
83) tert-Butylbenzene	12.22	119	544969	48.42	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	566854	46.98	ug/l	100
85) sec-Butylbenzene	12.40	105	674855	47.14	ug/l	99
86) p-Isopropyltoluene	12.55	119	604142	48.51	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	324596	48.23	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	322168	48.58	ug/l	97
89) n-Butylbenzene	12.93	91	569986	48.90	ug/l	98
90) Hexachloroethane	13.00	117	135979	48.06	ug/l	97
91) 1,2-Dichlorobenzene	13.03	146	299829	46.58	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	32259	46.64	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071718\
Data File : VF059517.D
Acq On : 17 Jul 2018 20:18
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM

Quant Time: Jul 18 04:23:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 02:57:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	196530	50.25	ug/l	98
94) Hexachlorobutadiene	14.26	225	97092	48.46	ug/l	98
95) Naphthalene	14.53	128	422696	52.02	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	177646	50.27	ug/l	98

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

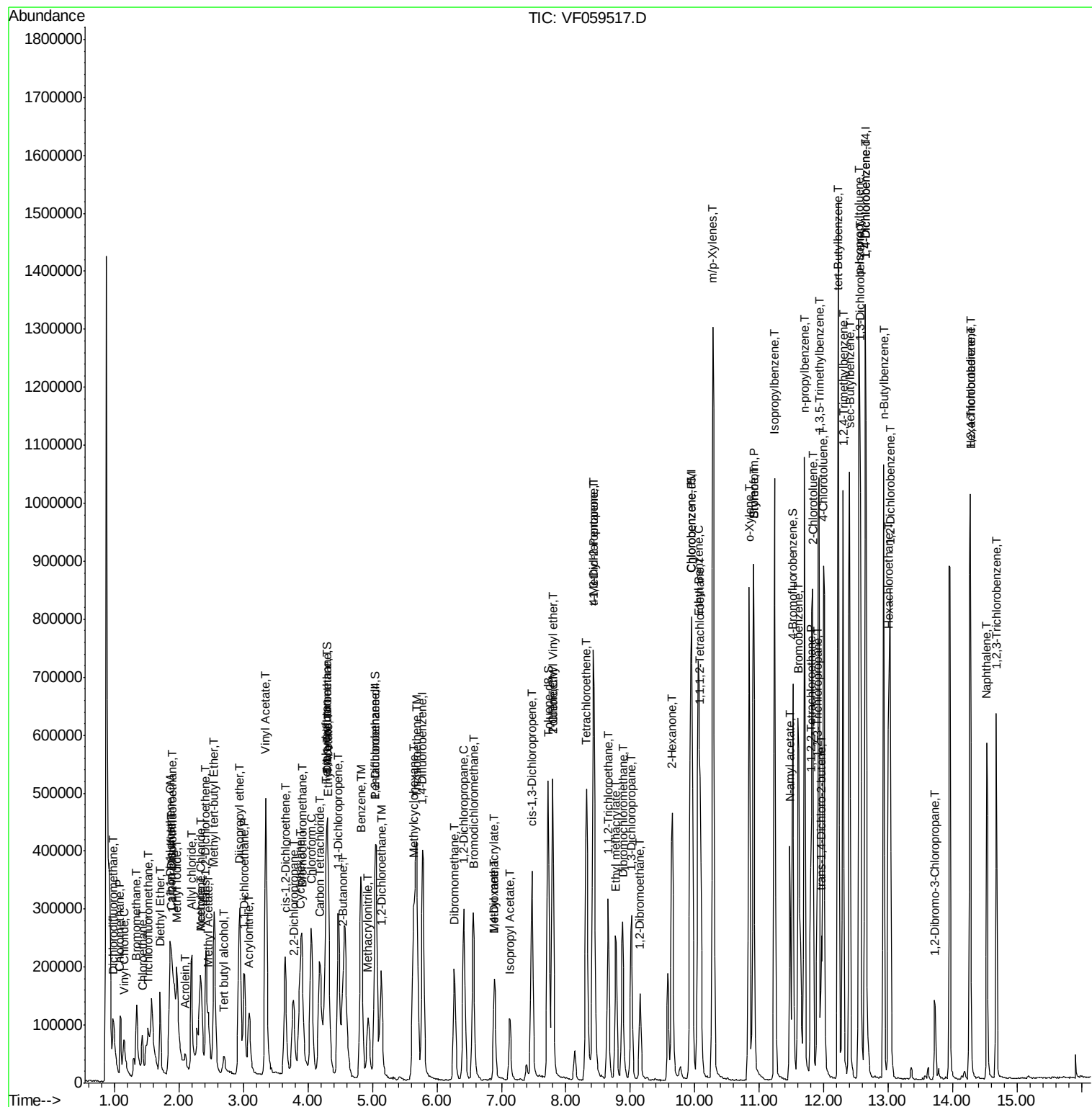
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059517.D
 Acq On : 17 Jul 2018 20:18
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

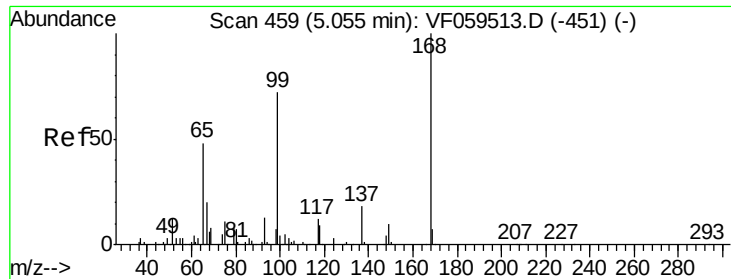
Instrument :
 MSVOA_F
 Client Sample Id :
 ICVV071718

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:24 PM

Quant Time: Jul 18 04:23:39 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 02:57:41 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion:168 Resp: 270874

Ion Ratio Lower Upper

168 100

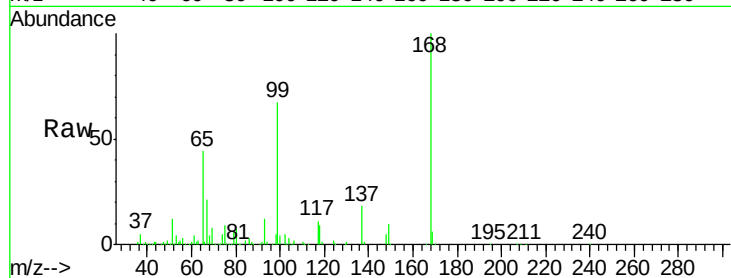
99 67.3 57.6 86.4

Manual Integrations

APPROVED

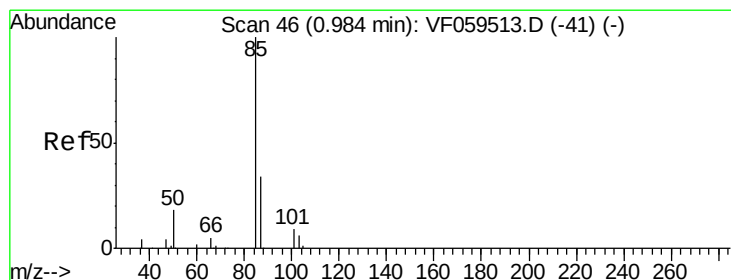
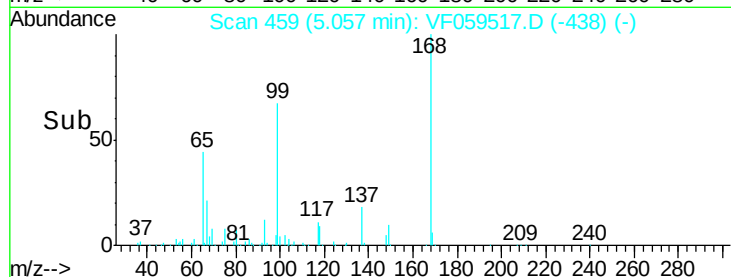
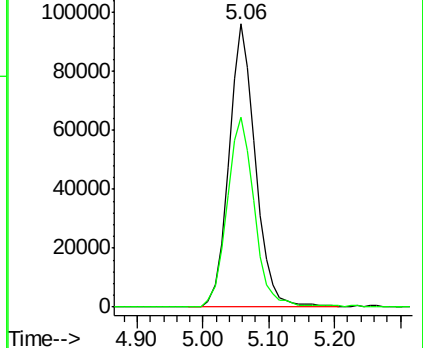
apatel

7/18/2018 3:16:24 PM



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 45.61 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059517.D

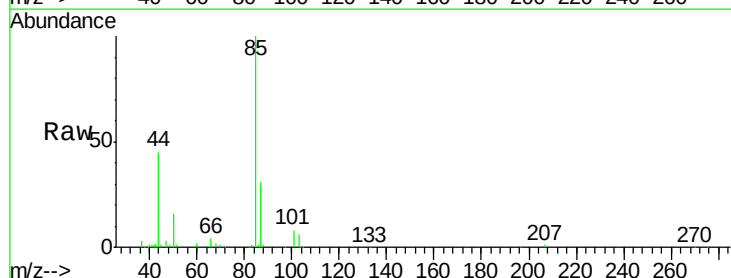
Acq: 17 Jul 2018 20:18

Tgt Ion: 85 Resp: 151364

Ion Ratio Lower Upper

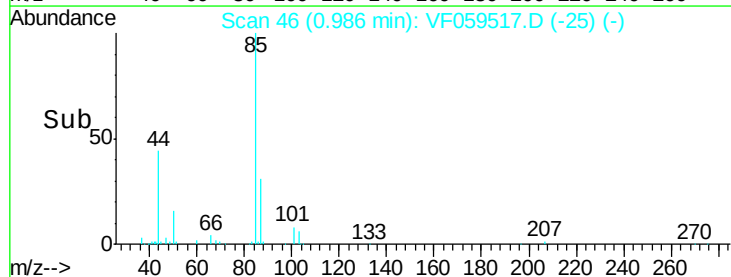
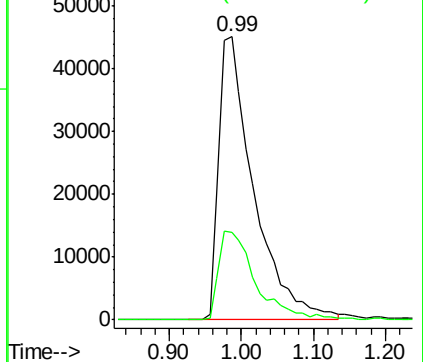
85 100

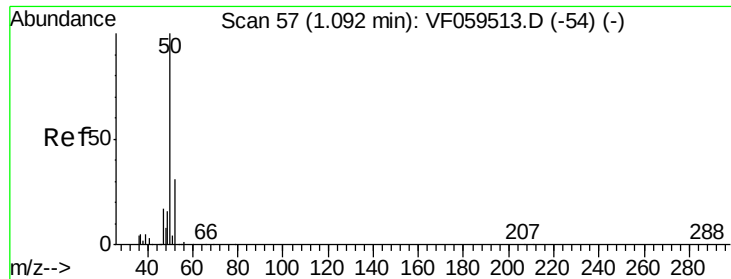
87 31.1 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 52.08 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion: 50 Resp: 95108

Ion Ratio Lower Upper

50 100

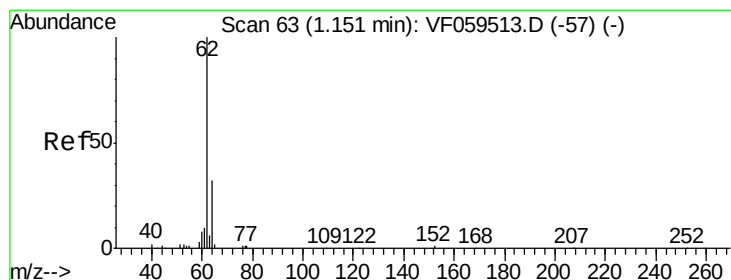
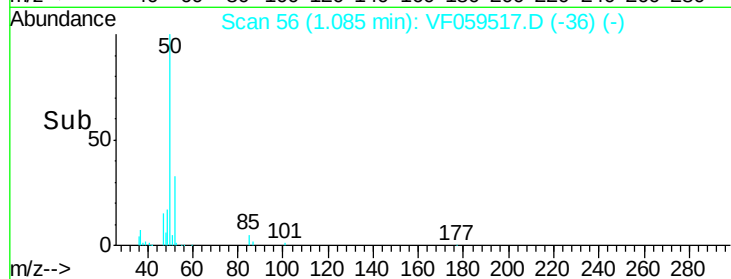
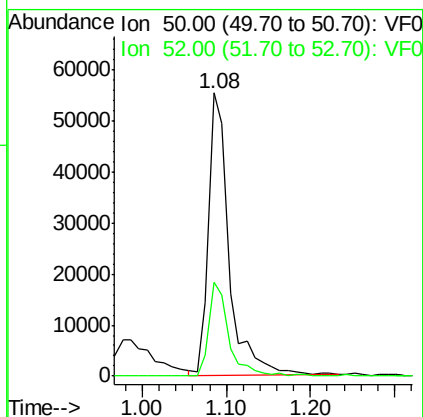
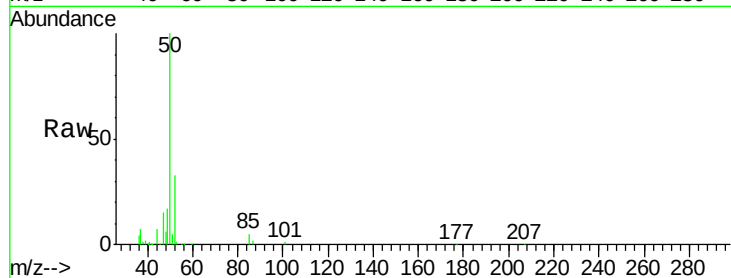
52 33.1 24.6 37.0

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:24 PM



#4

Vinyl Chloride

Concen: 47.92 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059517.D

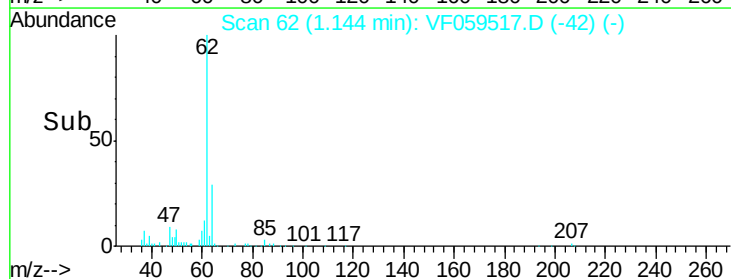
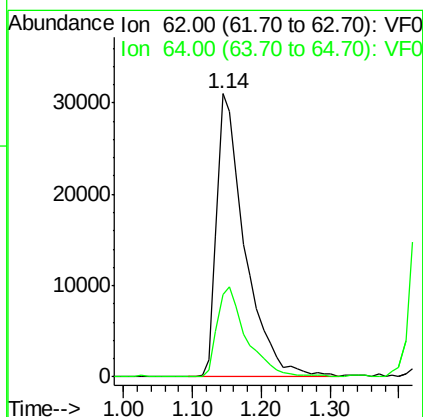
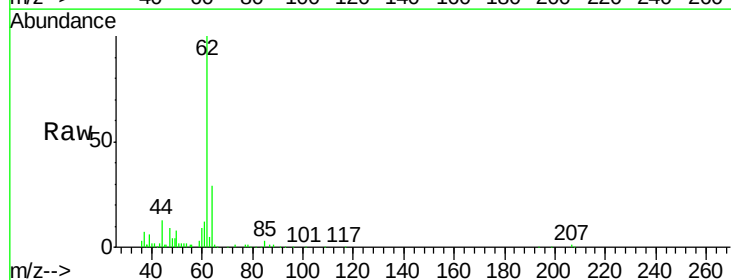
Acq: 17 Jul 2018 20:18

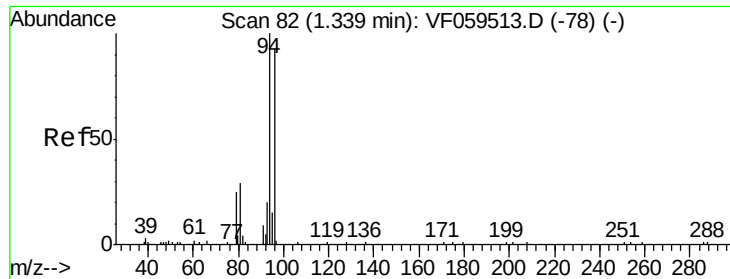
Tgt Ion: 62 Resp: 88285

Ion Ratio Lower Upper

62 100

64 29.1 25.7 38.5





#5

Bromomethane

Concen: 47.91 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion: 94 Resp: 61172

Ion Ratio Lower Upper

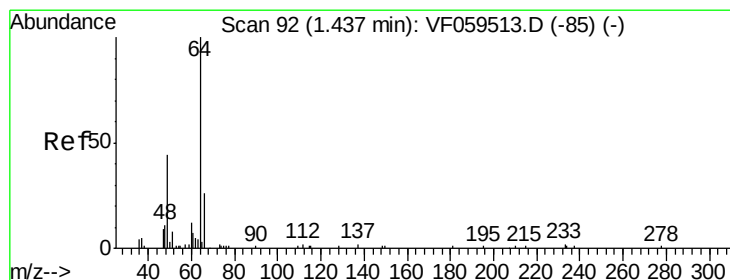
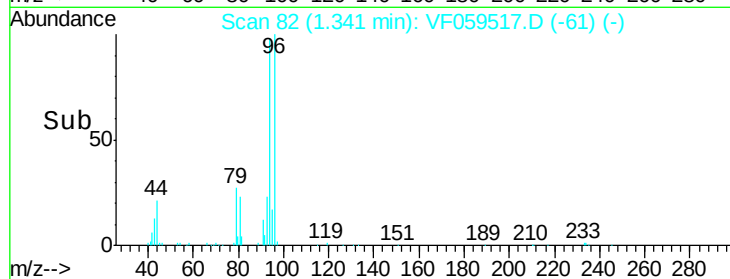
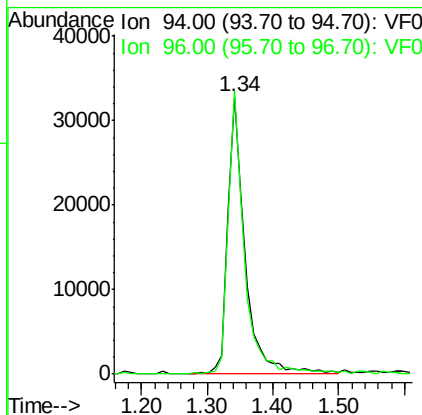
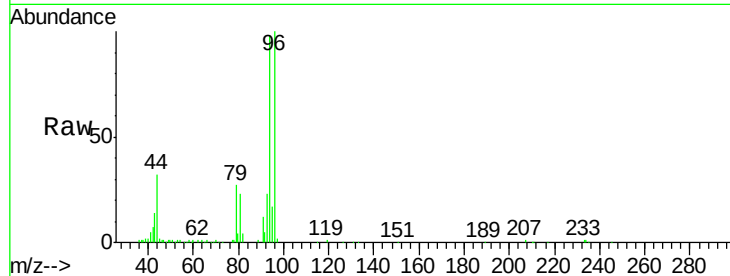
94 100

96 102.1 74.2 111.2

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:24 PM



#6

Chloroethane

Concen: 51.37 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059517.D

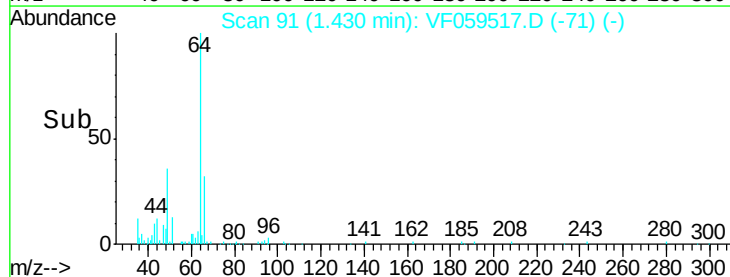
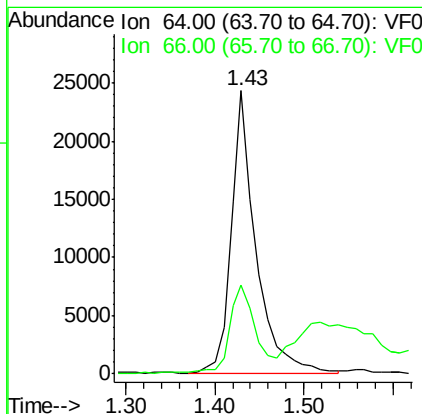
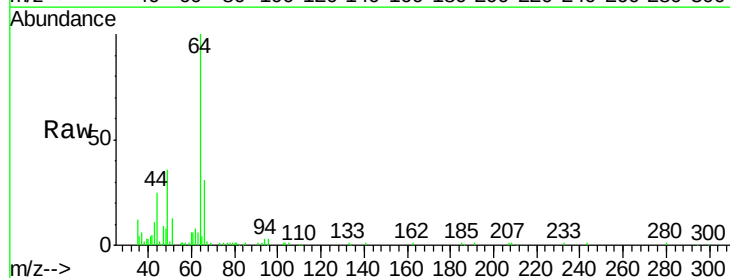
Acq: 17 Jul 2018 20:18

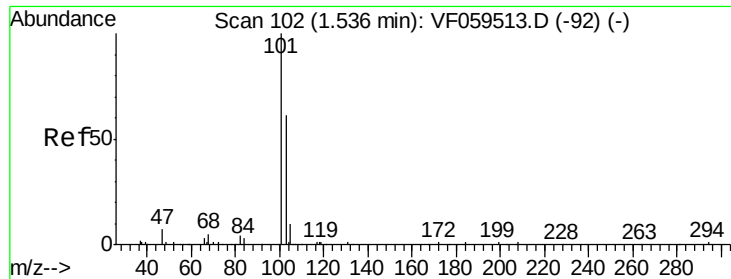
Tgt Ion: 64 Resp: 47726

Ion Ratio Lower Upper

64 100

66 31.4 22.9 34.3





#7

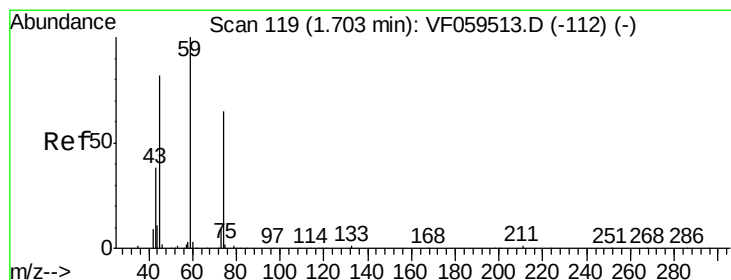
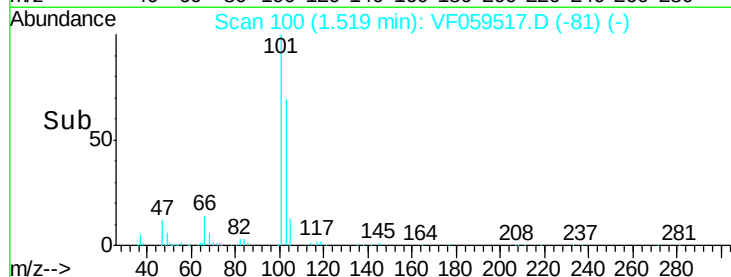
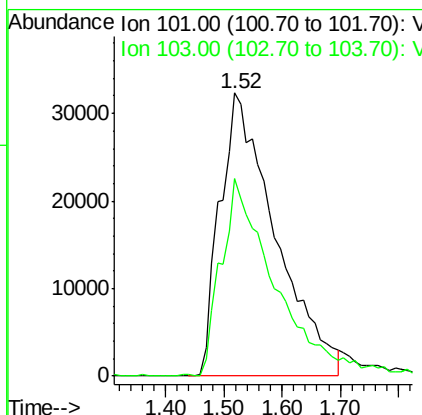
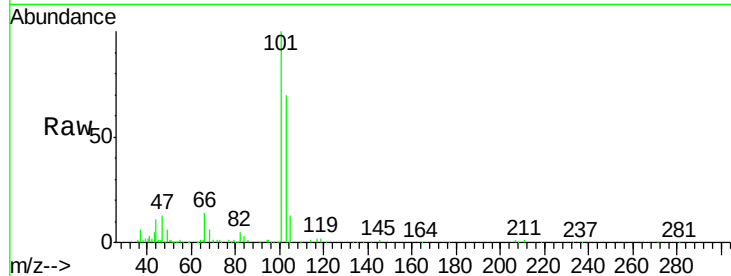
Trichlorofluoromethane
Concen: 47.49 ug/l
RT: 1.52 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.7	48.6	72.8

Manual Integrations
APPROVED

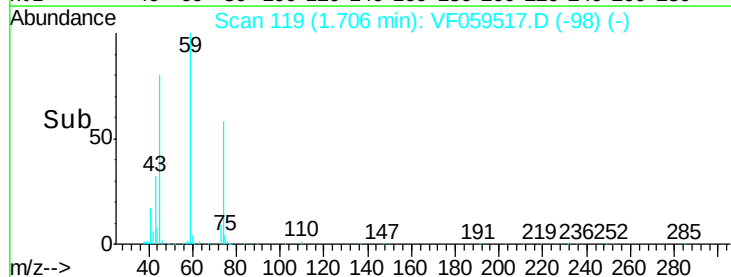
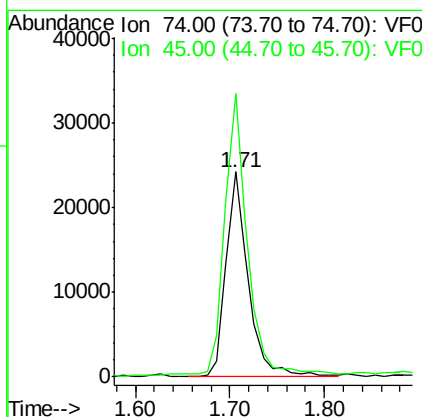
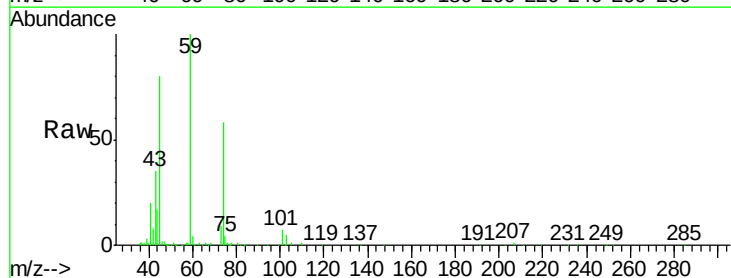
apatel
7/18/2018 3:16:24 PM

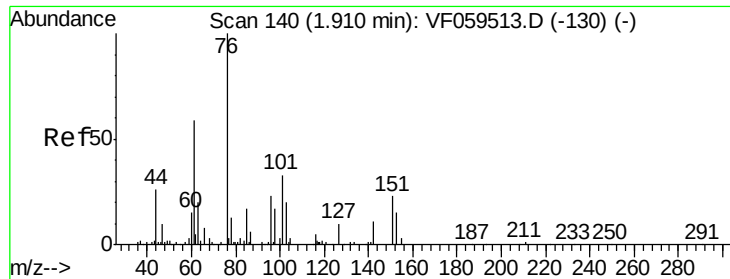


#8

Diethyl Ether
Concen: 45.59 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.3	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.44 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

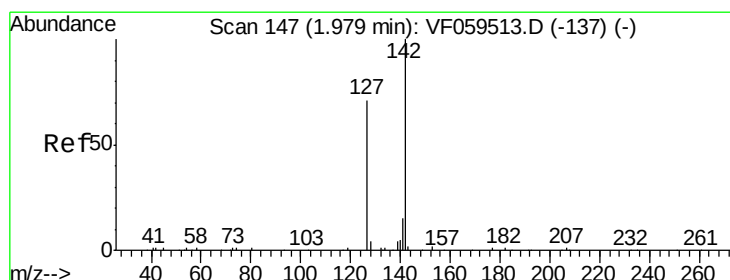
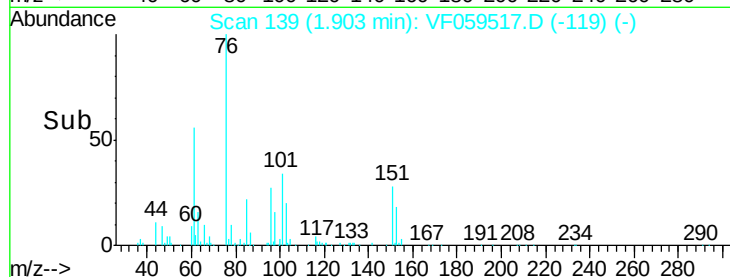
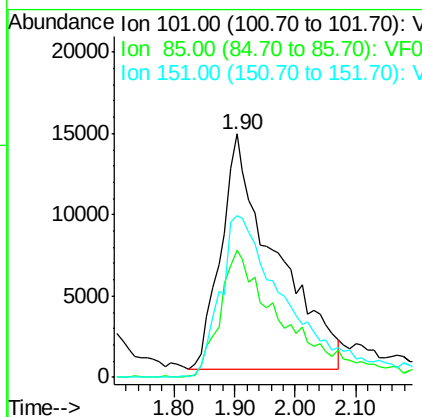
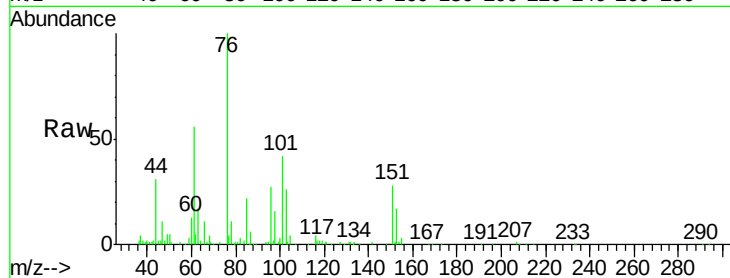
ClientSampleId :

ICVVF071718

Tot Ion:	101	Resp:	90338
Ion Ratio	Lower	Upper	
101	100		
85	52.2	39.8	59.6
151	66.4	54.2	81.2

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#10

Methyl Iodide

Concen: 54.96 ug/l

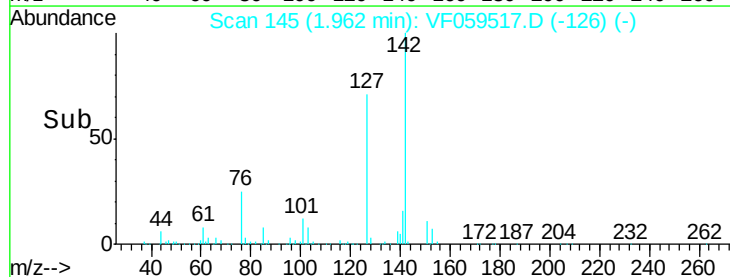
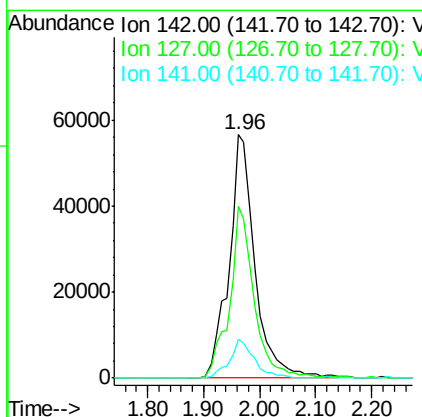
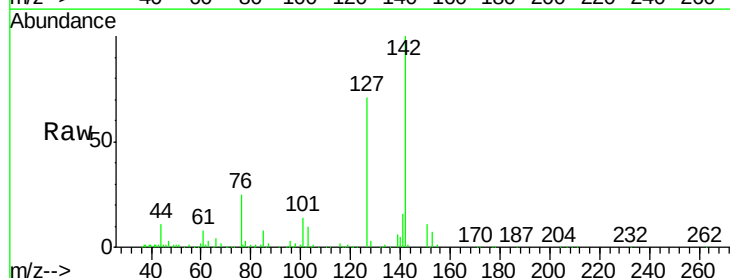
RT: 1.96 min Scan# 145

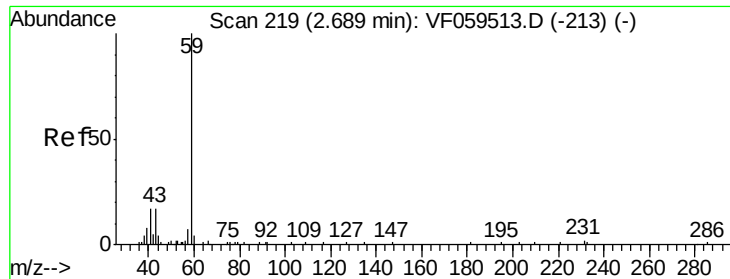
Delta R.T. -0.02 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	142	Resp:	183215
Ion Ratio	Lower	Upper	
142	100		
127	70.9	56.4	84.6
141	16.0	12.0	18.0





#11

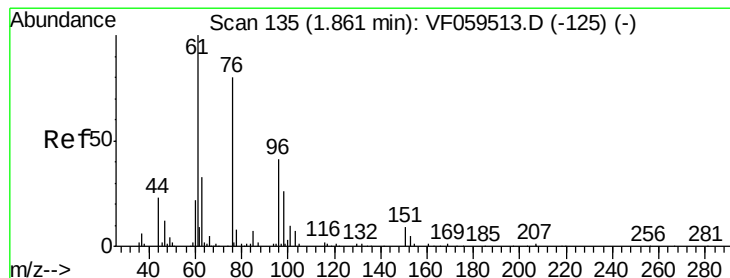
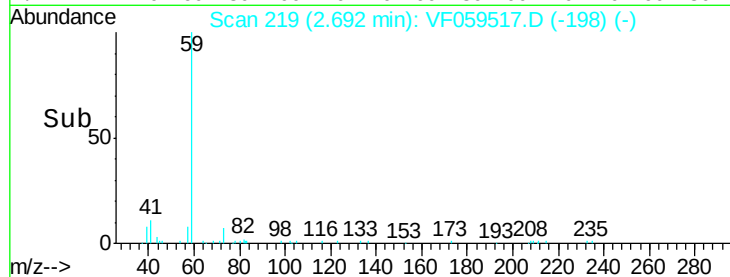
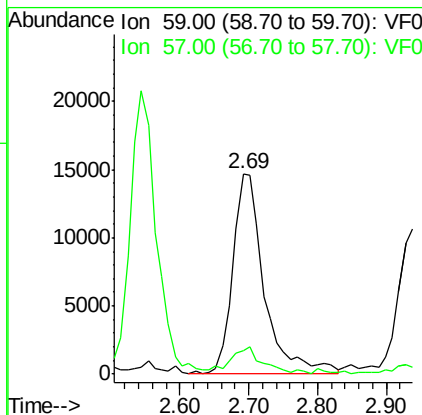
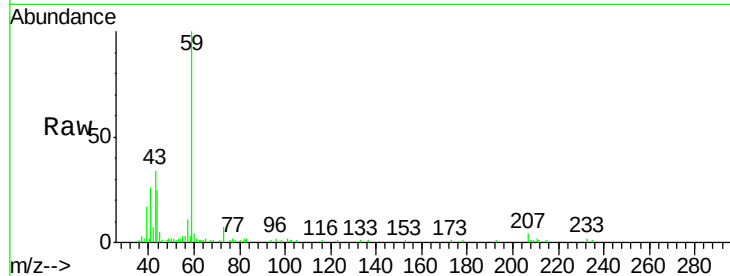
Tert butyl alcohol
Concen: 263.82 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	59	Resp	46733
Ion Ratio	100	Lower	Upper
57	11.4	7.7	11.5

Manual Integrations
APPROVED

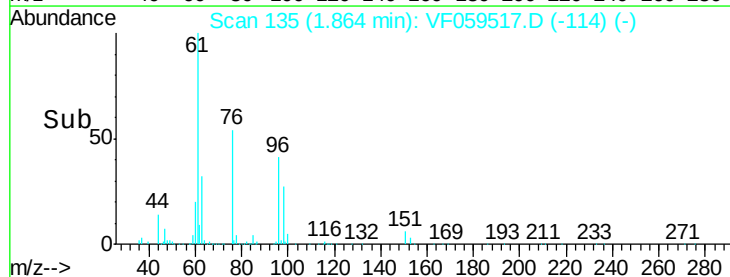
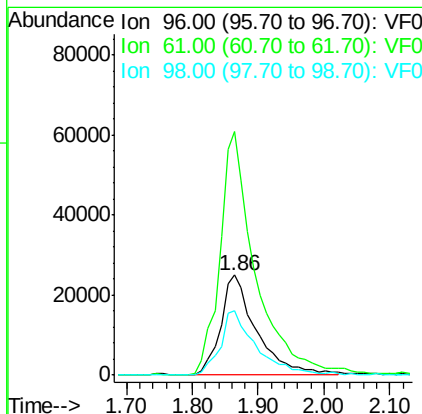
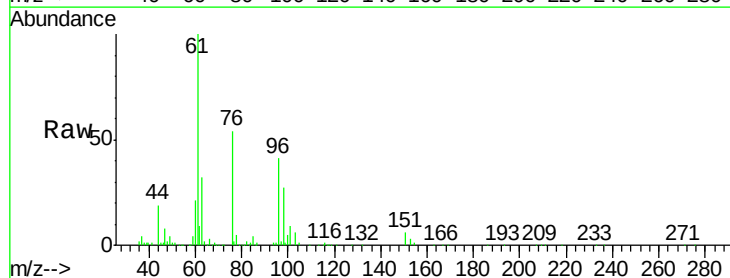
apatel
7/18/2018 3:16:24 PM

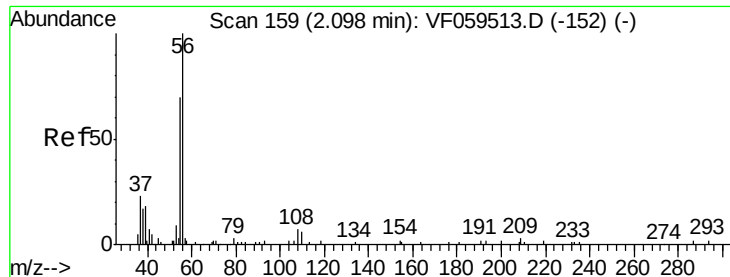


#12

1,1-Dichloroethene
Concen: 46.85 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	96	Resp	94886
Ion Ratio	100	Lower	Upper
61	243.3	194.3	291.5
98	64.9	50.3	75.5





#13

Acrolein

Concen: 236.76 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion: 56 Resp: 17948

Ion Ratio Lower Upper

56 100

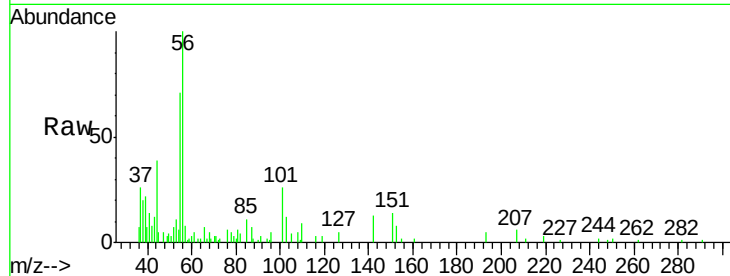
55 71.4 59.4 89.2

Manual Integrations

APPROVED

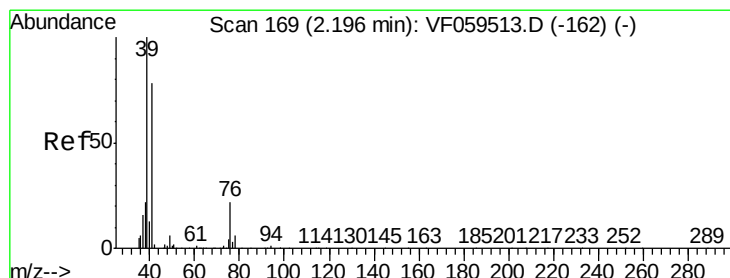
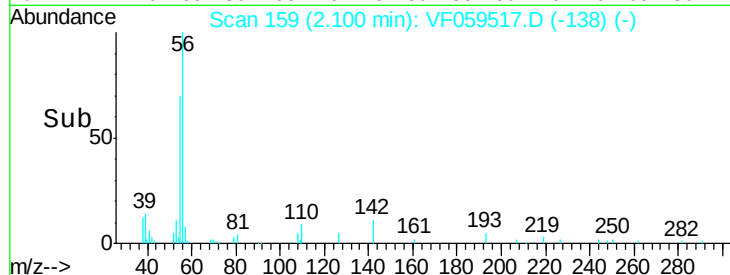
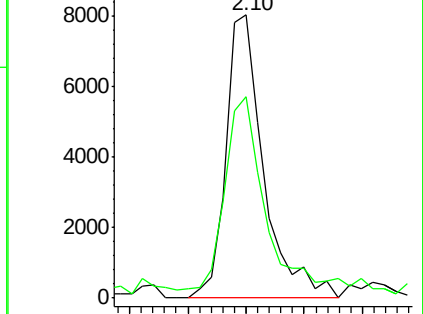
apatel

7/18/2018 3:16:24 PM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 52.70 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

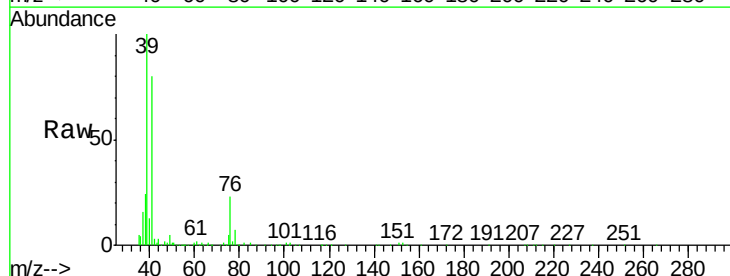
Tgt Ion: 41 Resp: 133182

Ion Ratio Lower Upper

41 100

39 124.8 103.0 154.4

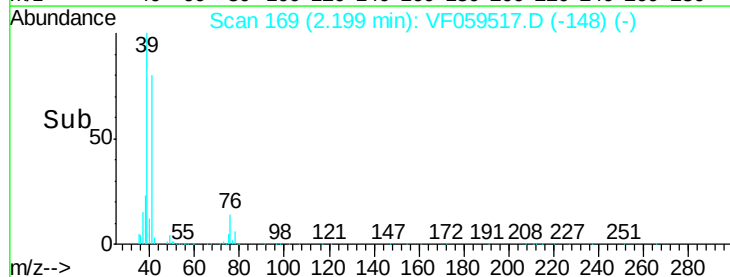
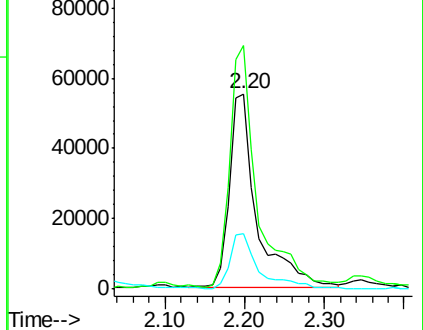
76 28.7 22.6 34.0

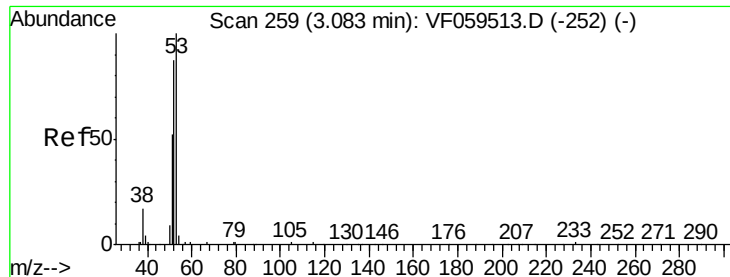


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





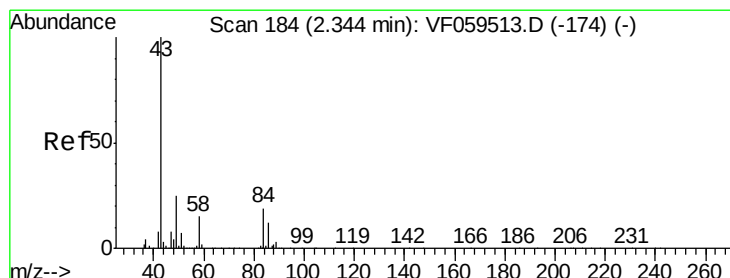
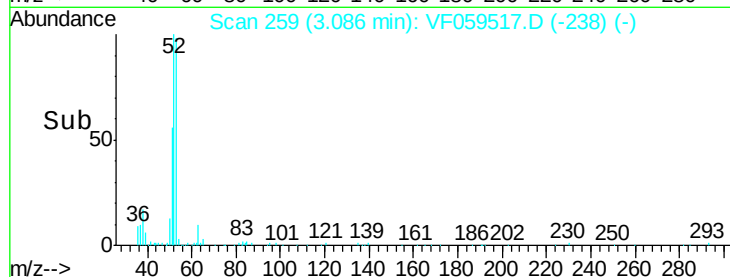
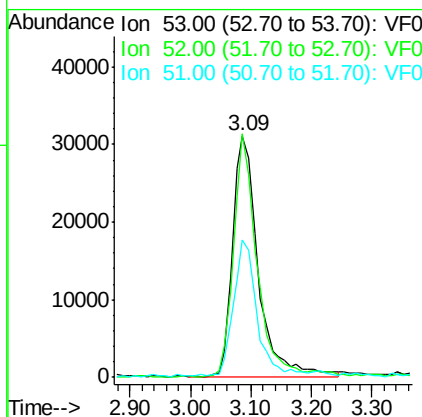
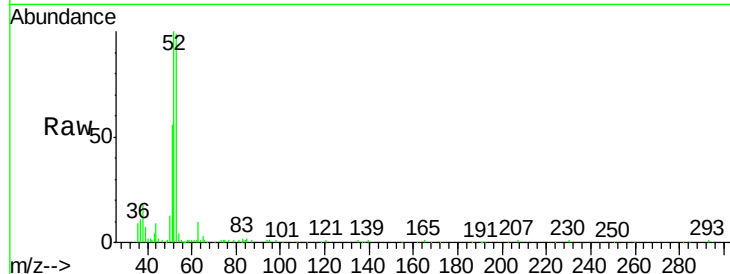
#15
 Acrylonitrile
 Concen: 261.10 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF071718

Tot Ion	Ratio	Lower	Upper
53	100		
52	100.9	70.1	105.1
51	56.8	42.5	63.7

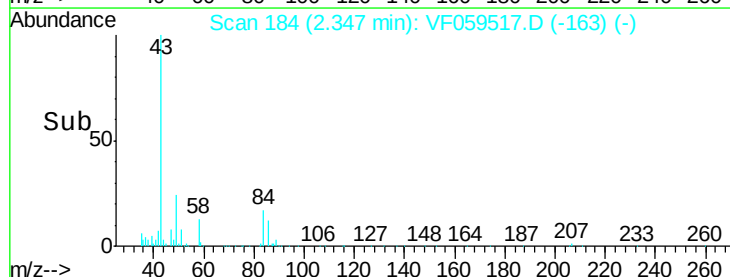
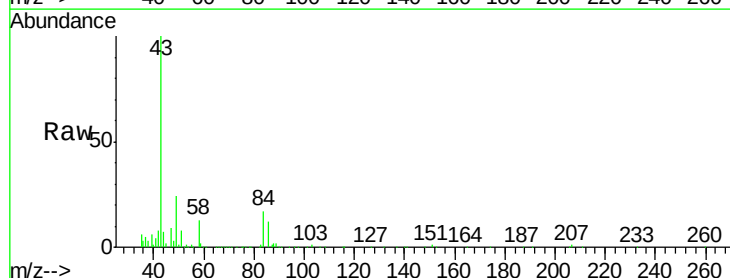
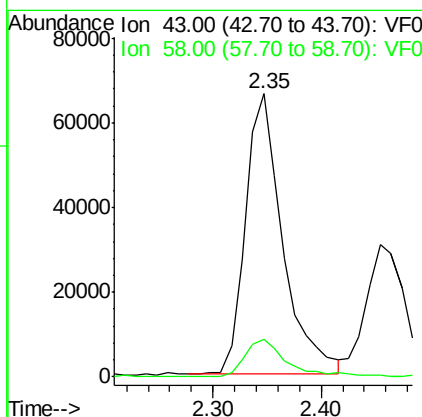
Manual Integrations
 APPROVED

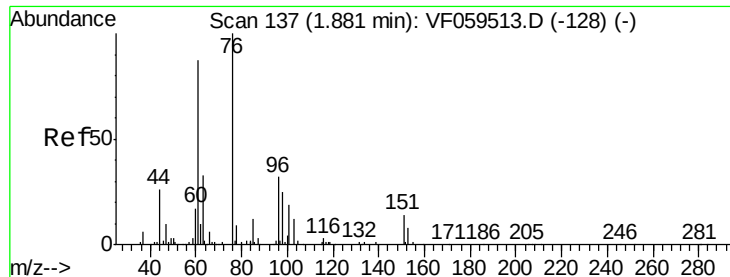
apatel
 7/18/2018 3:16:24 PM



#16
 Acetone
 Concen: 253.35 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	13.2	11.8	17.6





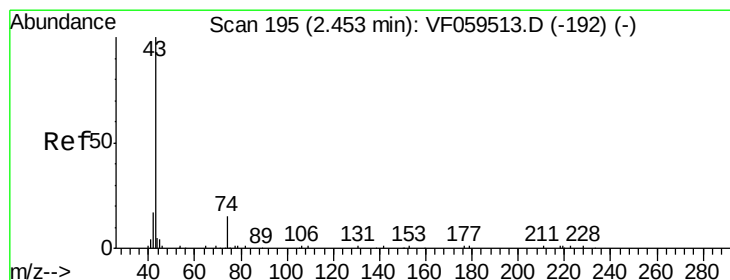
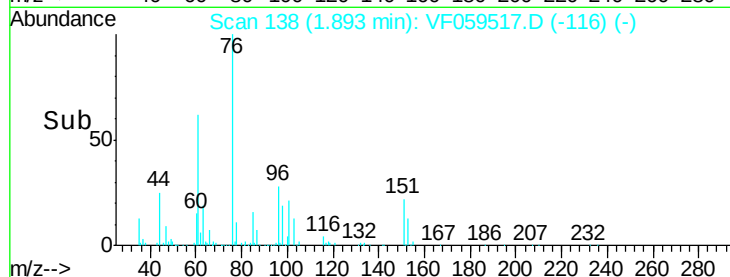
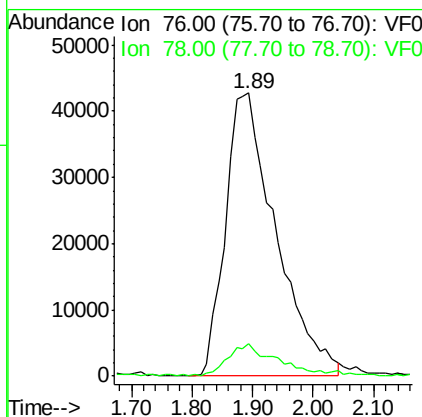
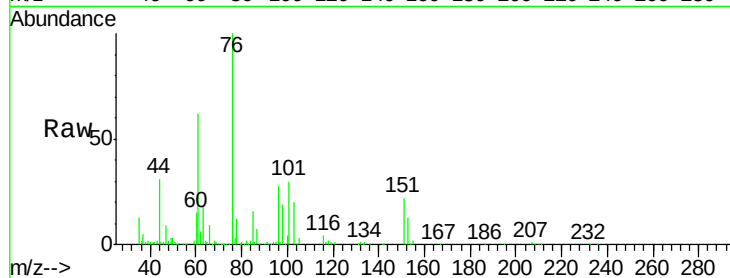
#17
Carbon Disulfide
Concen: 47.63 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.5	7.8	11.6

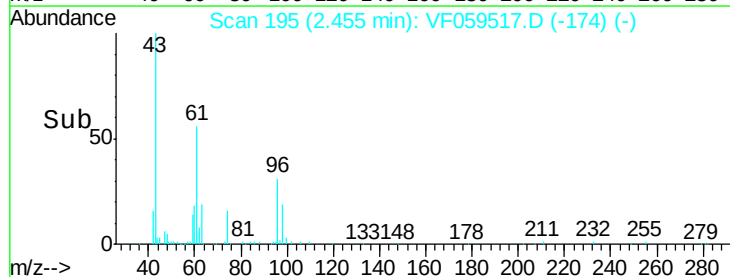
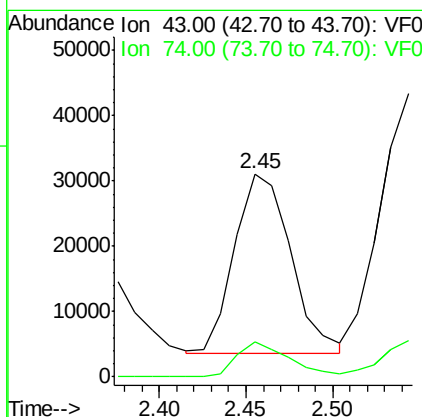
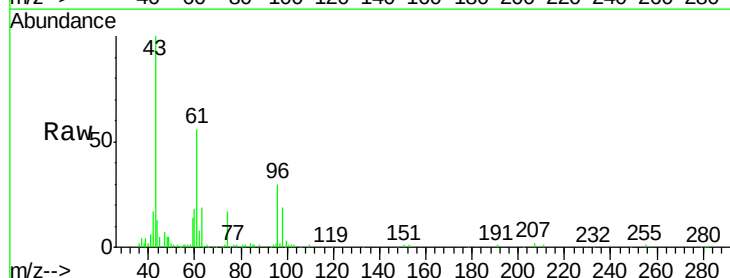
Manual Integrations
APPROVED

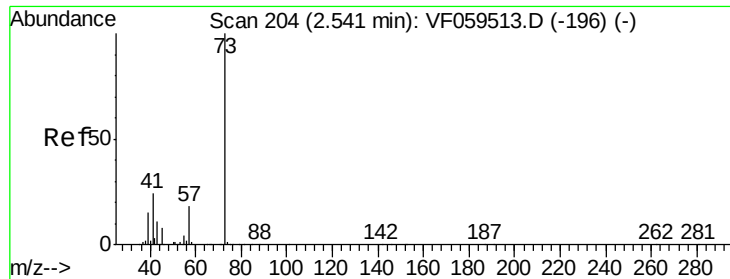
apatel
7/18/2018 3:16:24 PM



#18
Methyl Acetate
Concen: 48.41 ug/l m
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.2	10.6	15.8#





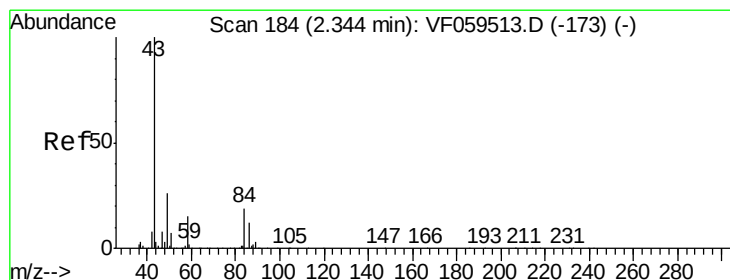
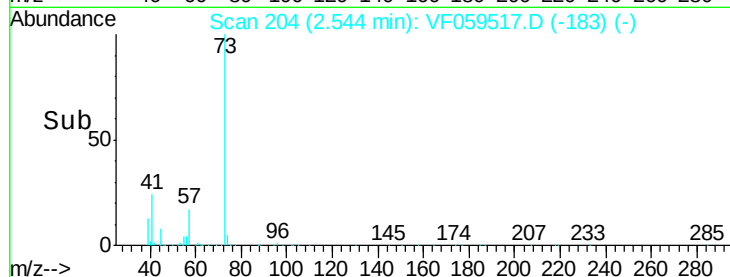
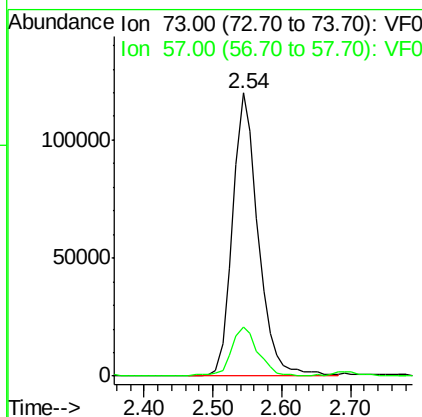
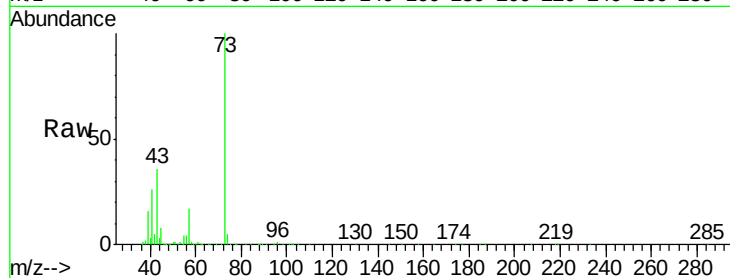
#19
Methyl tert-butyl Ether
Concen: 48.59 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.3	14.3	21.5

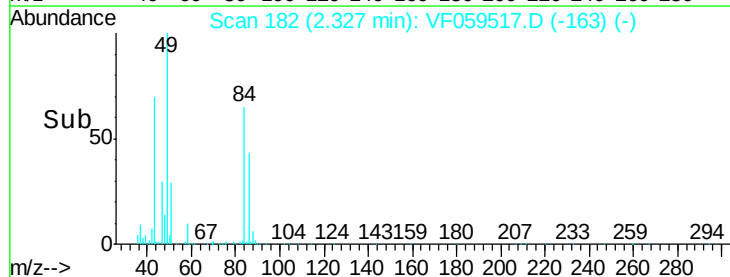
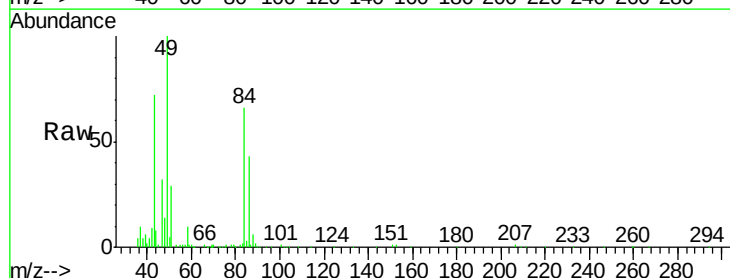
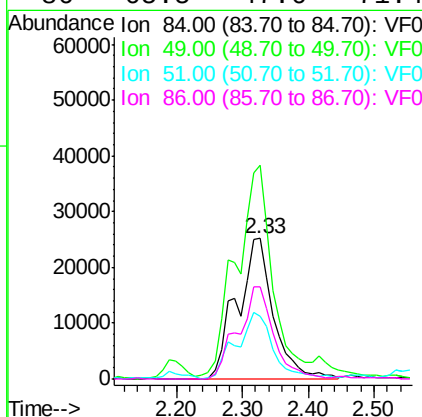
Manual Integrations
APPROVED

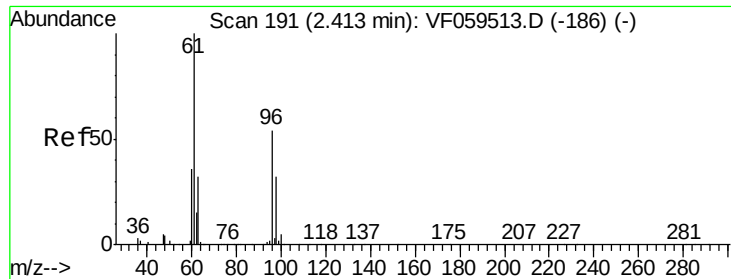
apatel
7/18/2018 3:16:24 PM



#20
Methylene Chloride
Concen: 52.12 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.3	109.4	164.2
51	44.8	30.5	45.7
86	65.5	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 49.44 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

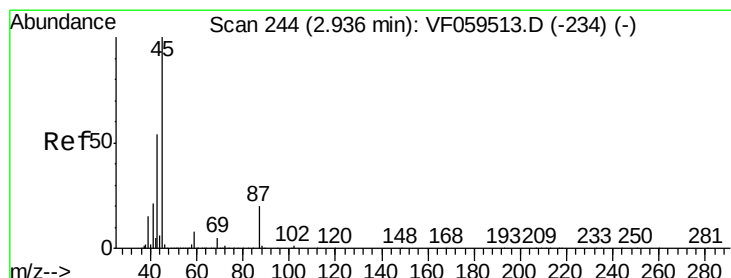
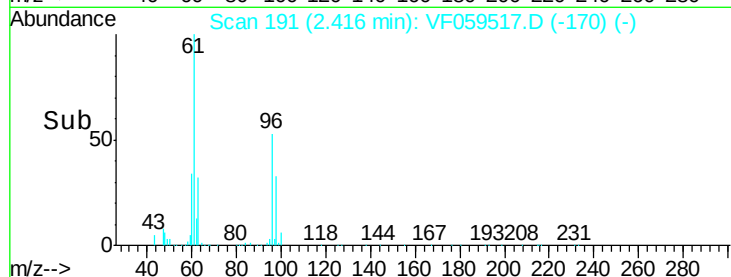
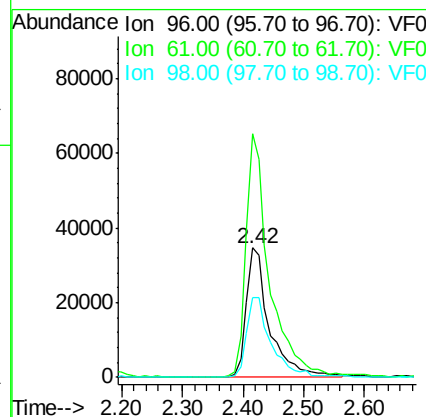
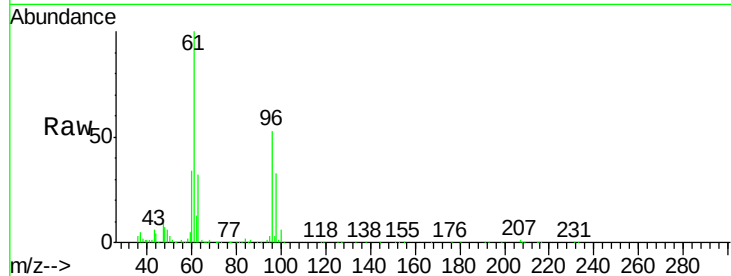
ClientSampleId :

ICVVF071718

Tot Ion:	96	Resp:	92582
Ion	Ratio	Lower	Upper
96	100		
61	188.1	149.8	224.8
98	61.9	47.8	71.8

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#22

Diisopropyl ether

Concen: 48.03 ug/l

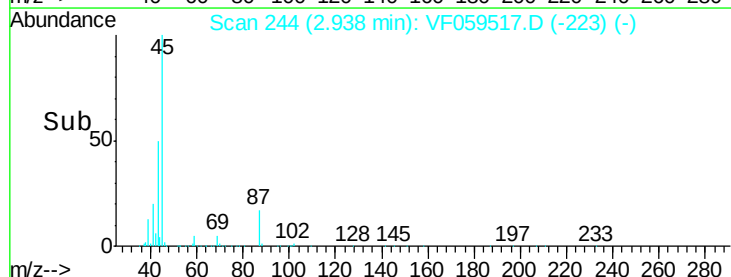
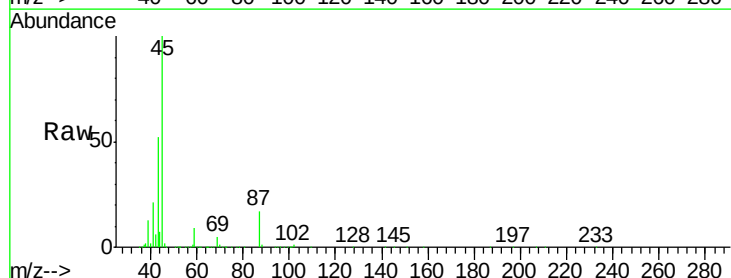
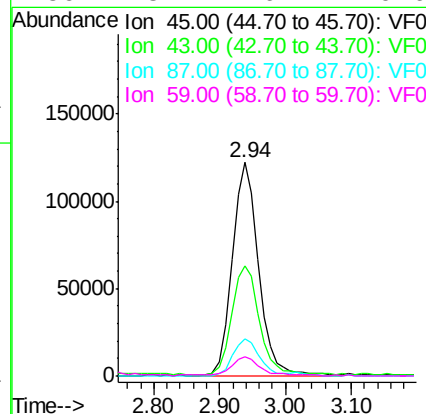
RT: 2.94 min Scan# 244

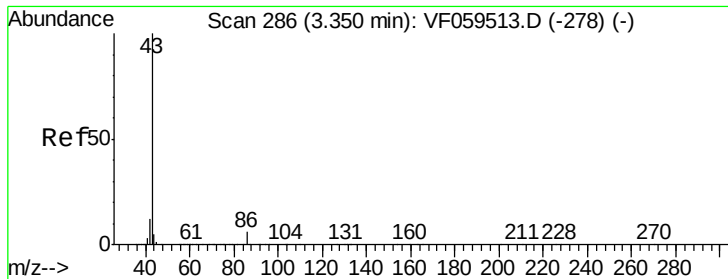
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	45	Resp:	341173
Ion	Ratio	Lower	Upper
45	100		
43	51.6	43.6	65.4
87	17.3	15.6	23.4
59	8.7	6.4	9.6





#23

Vinyl Acetate

Concen: 244.04 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion: 43 Resp: 1012952

Ion Ratio Lower Upper

43 100

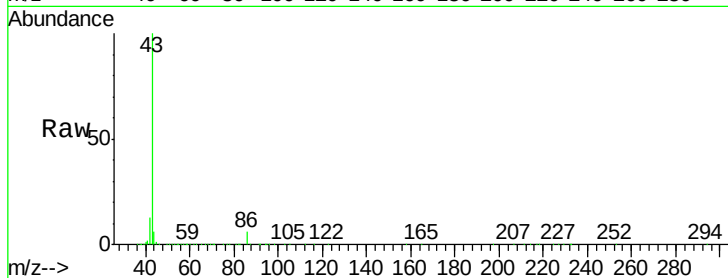
86 5.6 4.4 6.6

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

400000

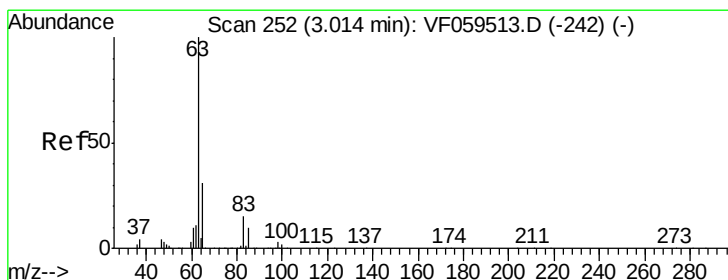
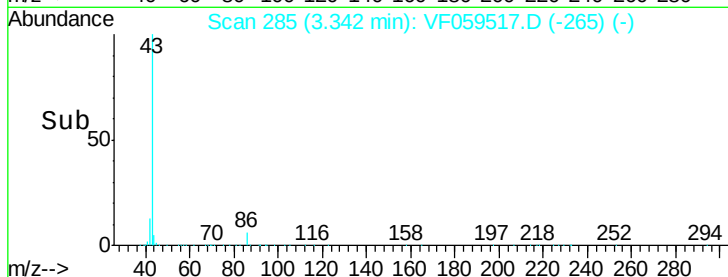
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.97 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

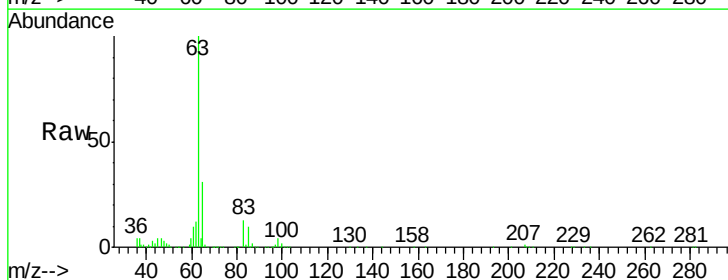
Tgt Ion: 63 Resp: 214804

Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.4

100 2.1 1.3 3.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

100000

80000

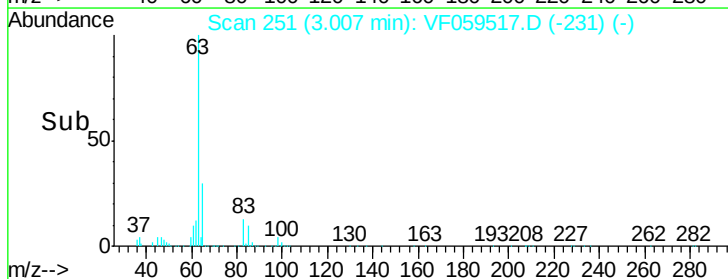
60000

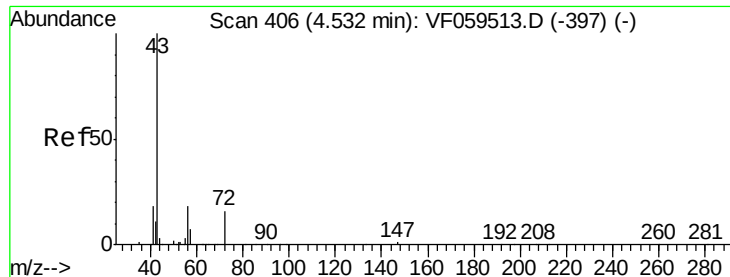
40000

20000

0

Time-->





#25

2-Butanone

Concen: 230.75 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF059517.D

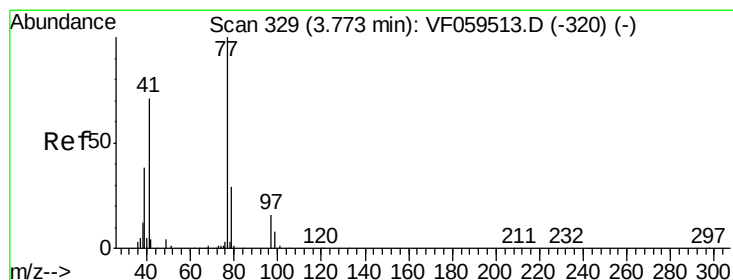
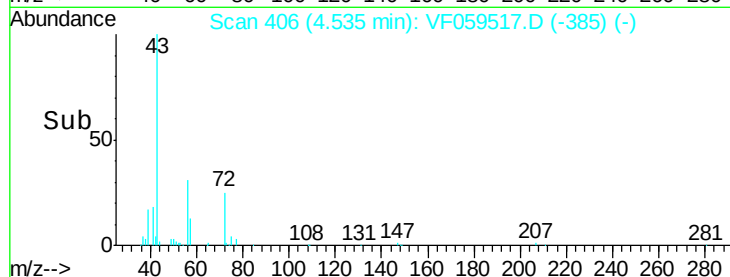
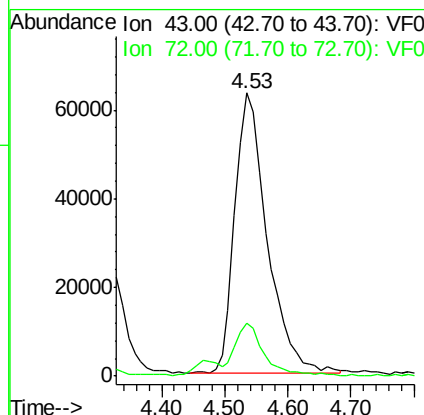
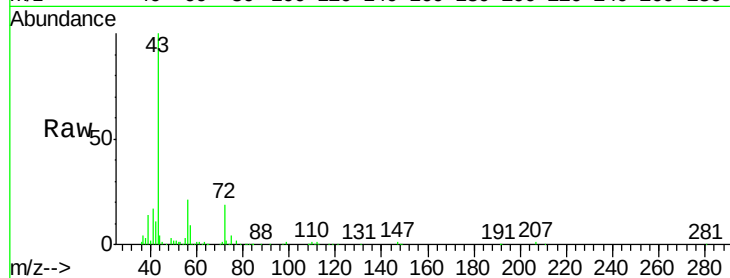
Acq: 17 Jul 2018 20:18

Tot Ion:	43	Resp:	225696
Ion	Ratio	Lower	Upper
43	100		
72	18.6	14.2	21.4

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#26

2,2-Dichloropropane

Concen: 44.35 ug/l

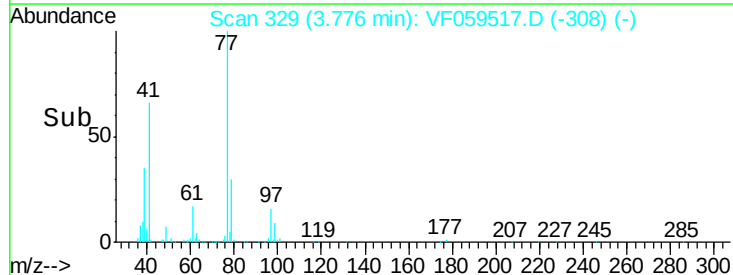
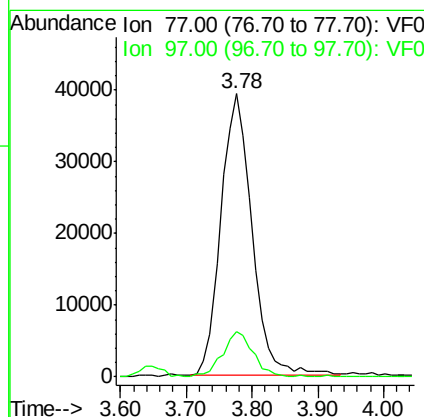
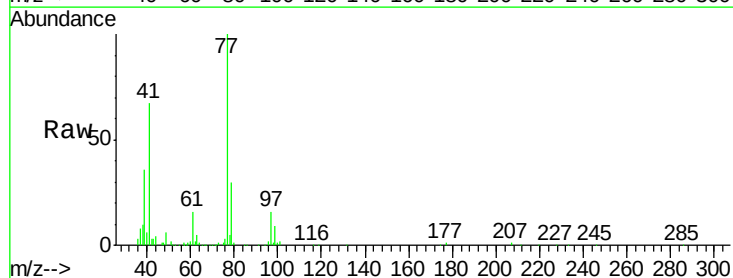
RT: 3.78 min Scan# 329

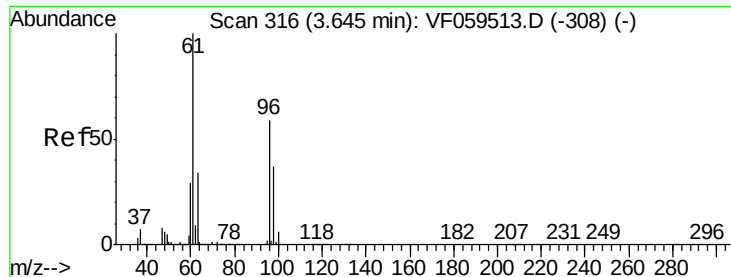
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	77	Resp:	128696
Ion	Ratio	Lower	Upper
77	100		
97	16.1	8.1	24.3





#27

cis-1,2-Dichloroethene

Concen: 48.05 ug/l

RT: 3.65 min Scan# 316

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

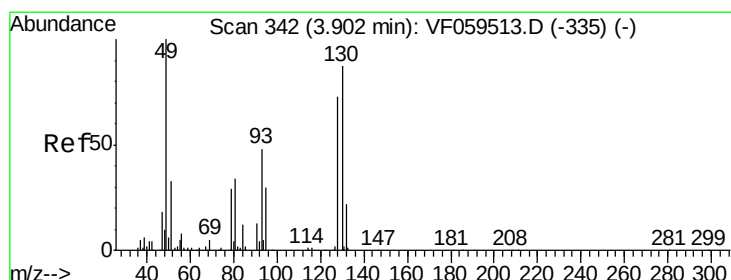
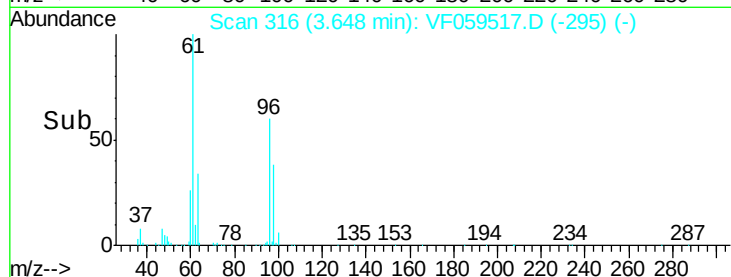
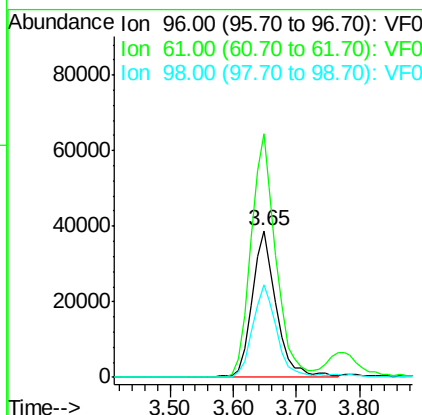
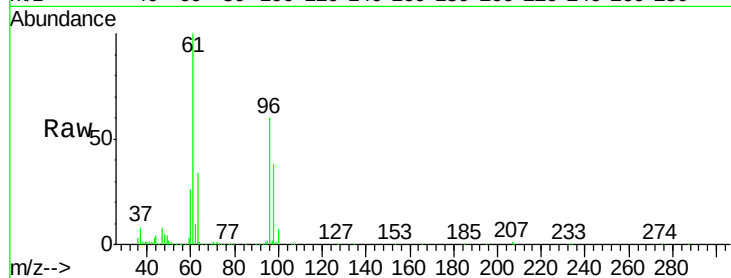
ClientSampleId :

ICVVF071718

Tot Ion:	96	Resp:	104709
Ion Ratio	Lower	Upper	
96	100		
61	166.3	0.0	339.0
98	63.3	0.0	125.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#28

Bromochloromethane

Concen: 49.02 ug/l

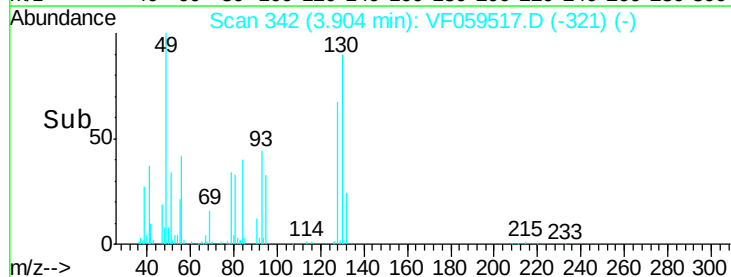
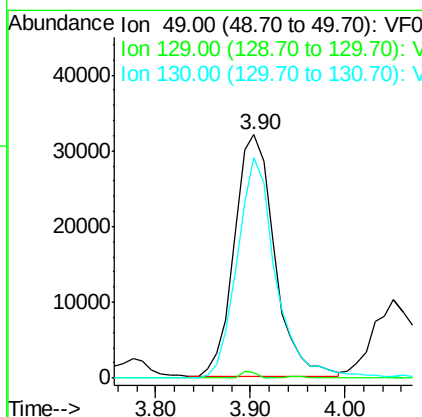
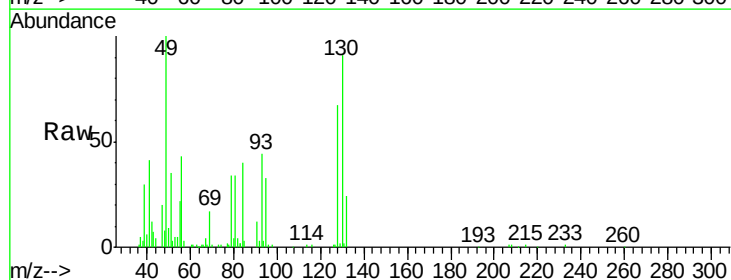
RT: 3.90 min Scan# 342

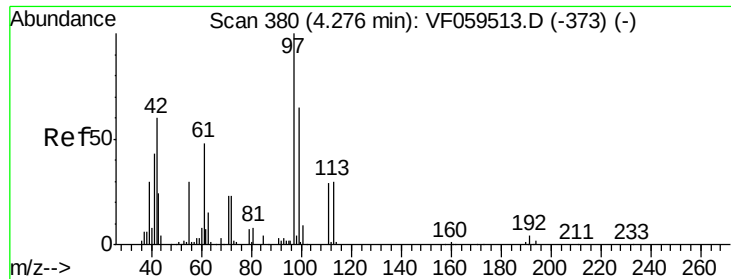
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	49	Resp:	94644
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	0.0#
130	90.8	69.8	104.6





#29

Tetrahydrofuran

Concen: 267.18 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

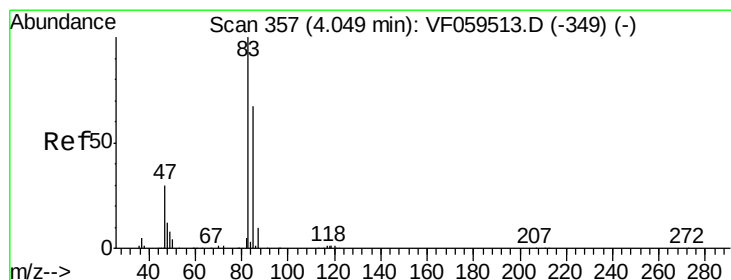
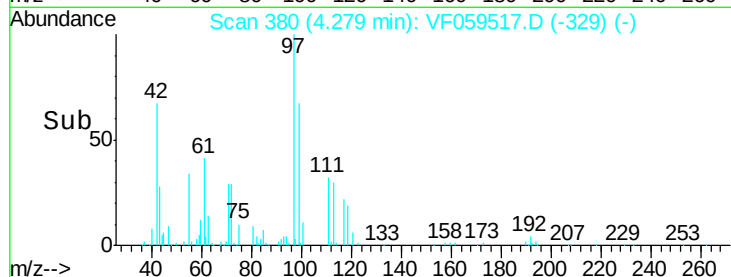
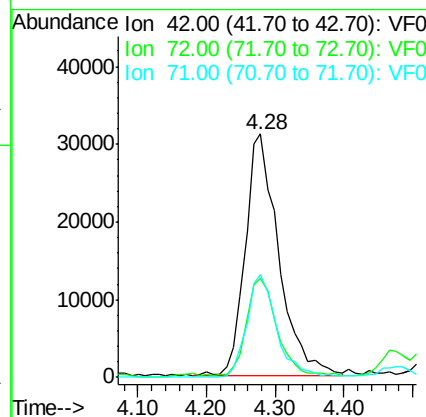
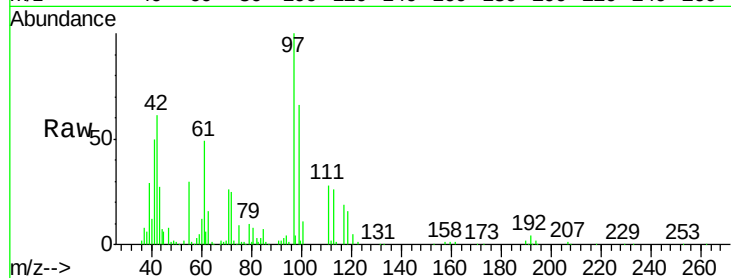
ClientSampleId :

ICVVF071718

Tot Ion	42	Resp	105758
Ion	Ratio	Lower	Upper
42	100		
72	38.7	28.7	43.1
71	38.1	30.8	46.2

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#30

Chloroform

Concen: 48.24 ug/l

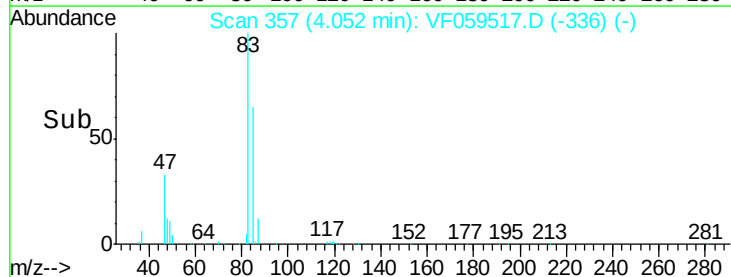
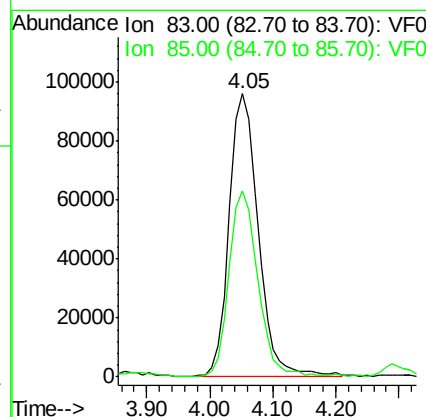
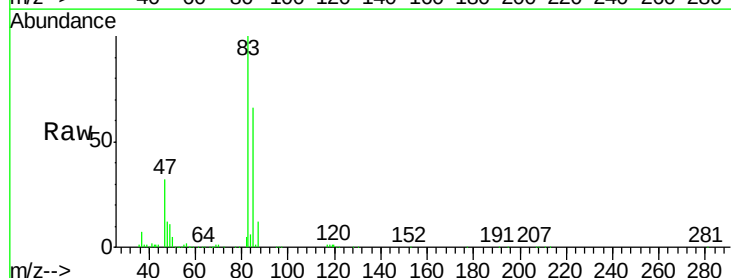
RT: 4.05 min Scan# 357

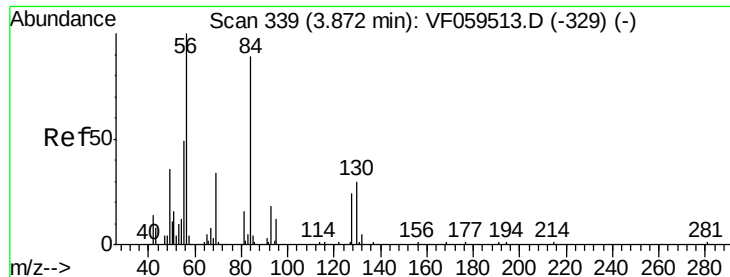
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion	83	Resp	305709
Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.2	79.8





#31

Cyclohexane

Concen: 56.33 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

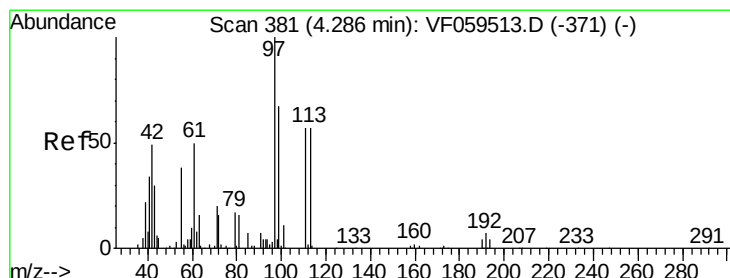
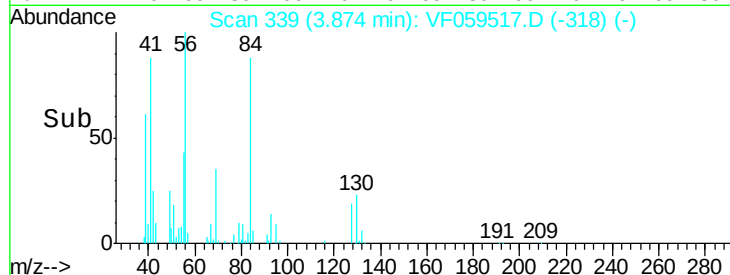
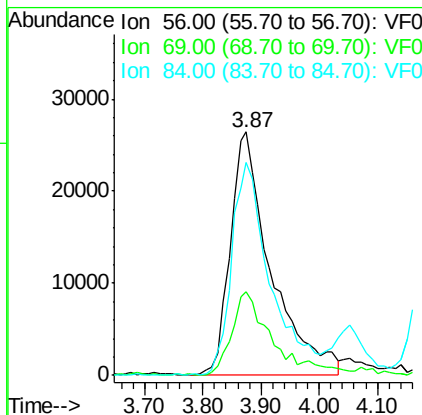
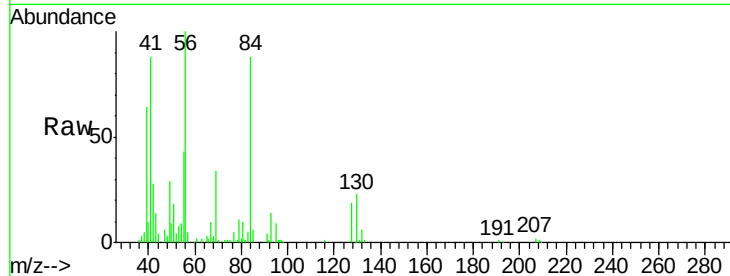
ICVVF071718

Tot Ion:	56	Resp:	127986
Ion Ratio	Lower	Upper	
56	100		
69	34.3	27.6	41.4
84	87.6	71.4	107.2

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:24 PM



#32

1,1,1-Trichloroethane

Concen: 51.18 ug/l

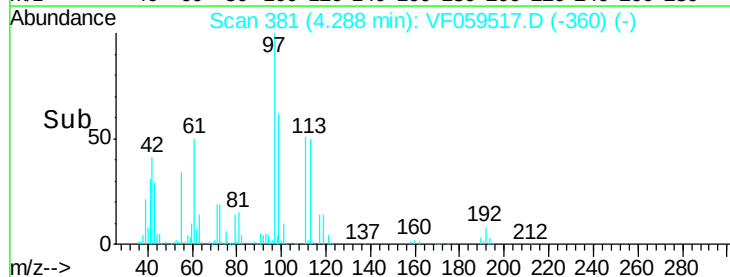
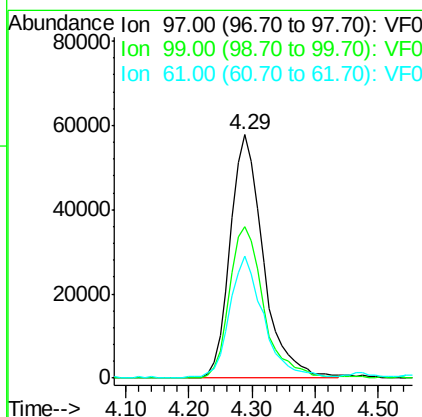
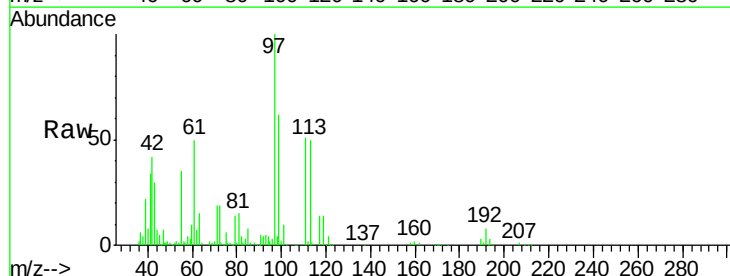
RT: 4.29 min Scan# 381

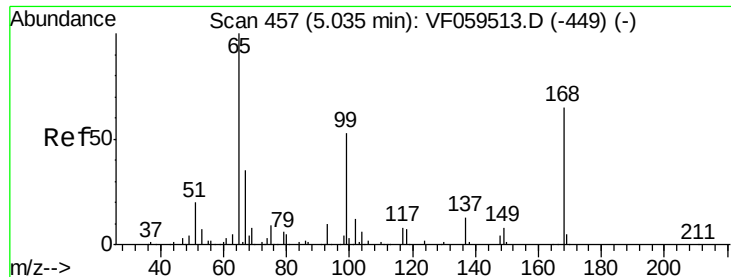
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	97	Resp:	210750
Ion Ratio	Lower	Upper	
97	100		
99	62.0	53.5	80.3
61	50.0	39.7	59.5





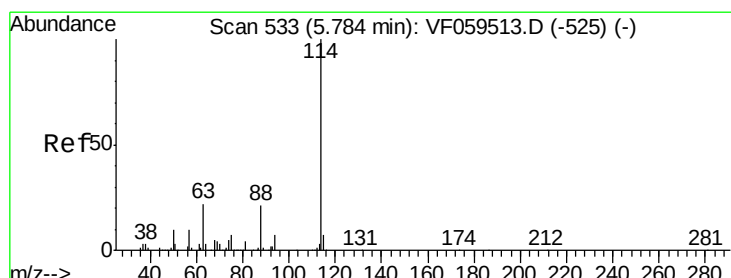
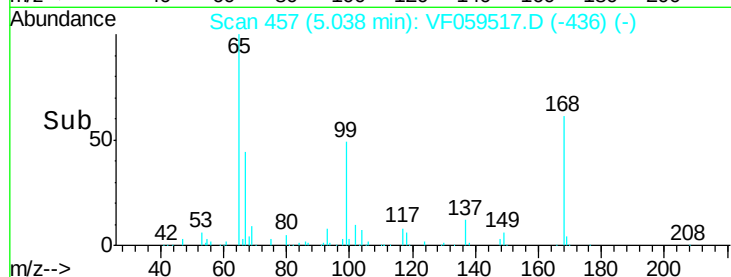
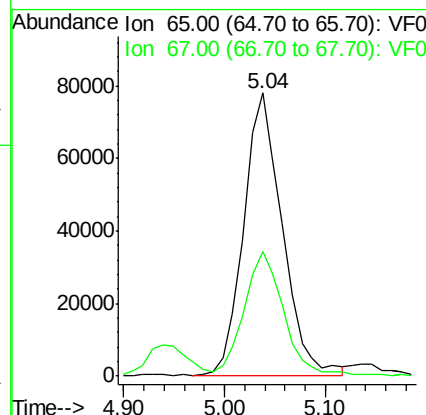
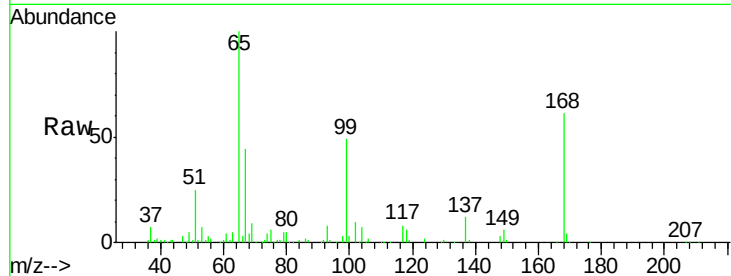
#33
 1,2-Dichloroethane-d4
 Concen: 49.06 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF071718

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206693		
67	43.9	0.0	91.2	

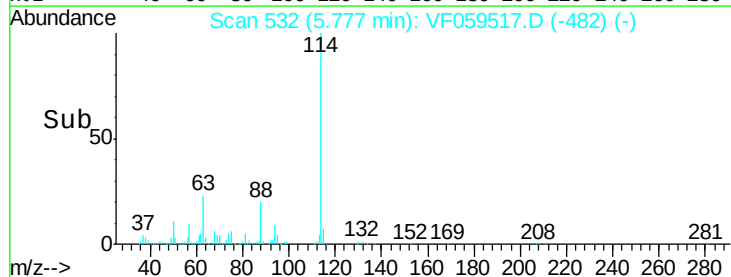
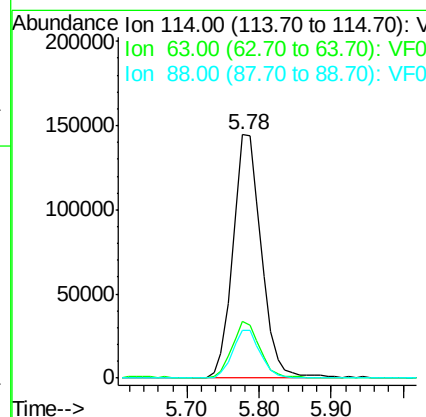
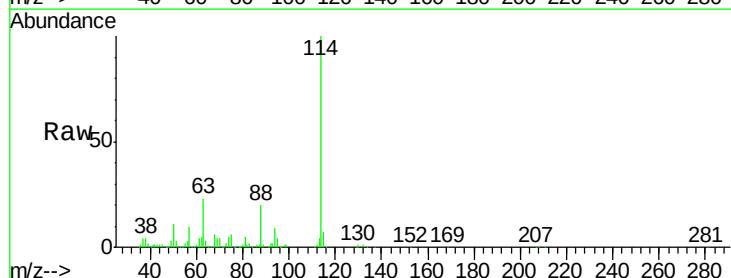
Manual Integrations
 APPROVED

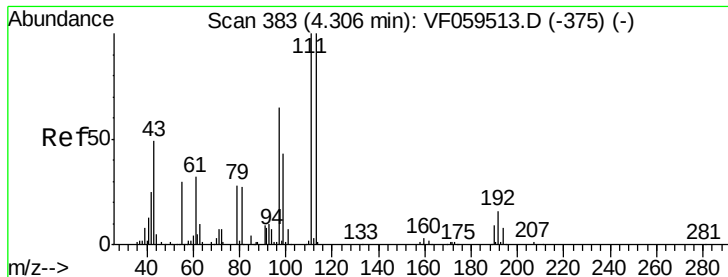
apatel
 7/18/2018 3:16:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	397698		
63	23.3	0.0	44.8	
88	19.8	0.0	42.6	





#35

Dibromofluoromethane

Concen: 49.35 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

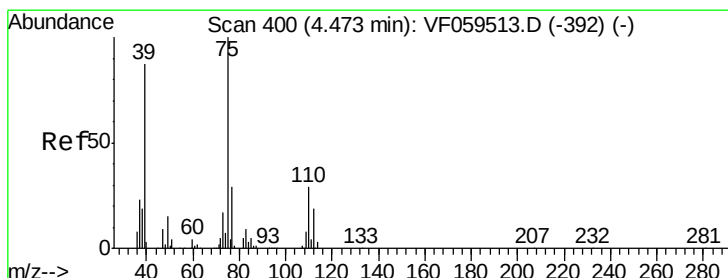
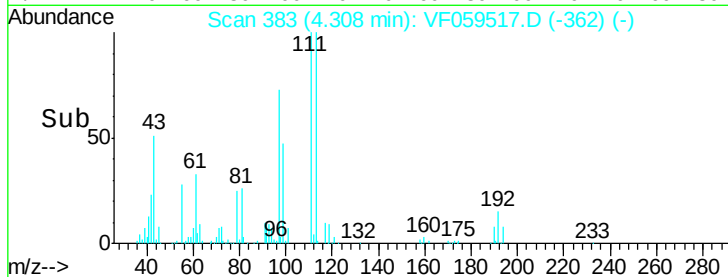
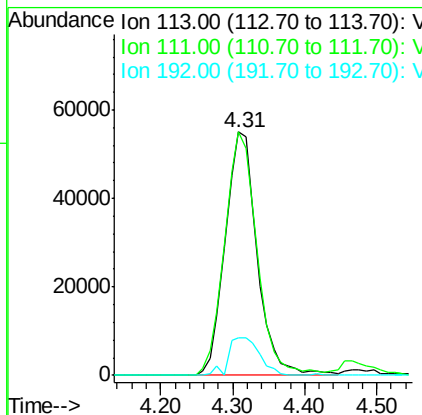
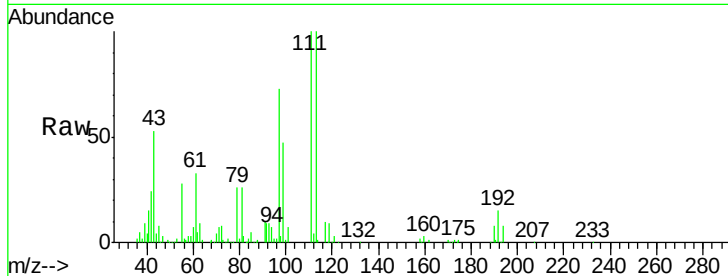
ClientSampleId :

ICVVF071718

Tot Ion:	113	Resp:	169978
Ion Ratio	Lower	Upper	
113	100		
111	99.9	80.3	120.5
192	15.2	13.1	19.7

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#36

1,1-Dichloropropene

Concen: 46.19 ug/l

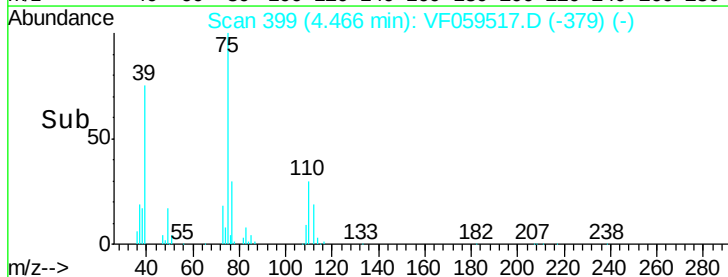
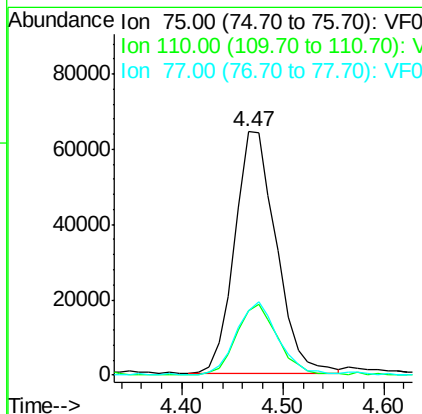
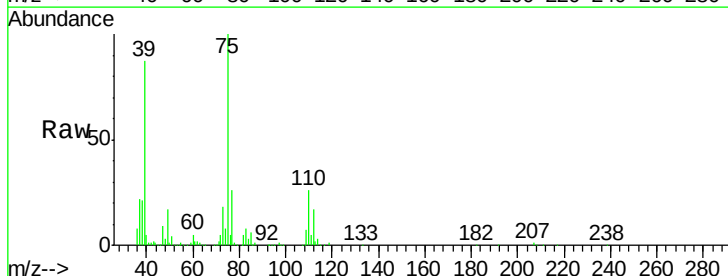
RT: 4.47 min Scan# 399

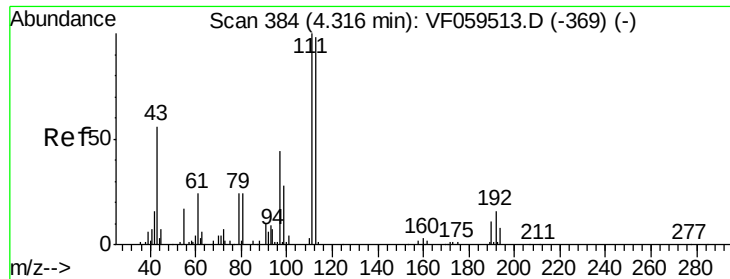
Delta R.T. -0.01 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	75	Resp:	183883
Ion Ratio	Lower	Upper	
75	100		
110	26.4	14.6	43.8
77	26.4	23.7	35.5





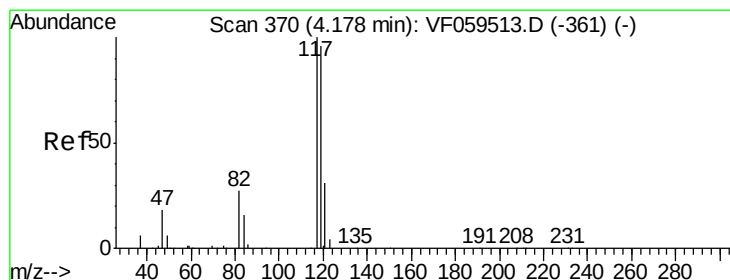
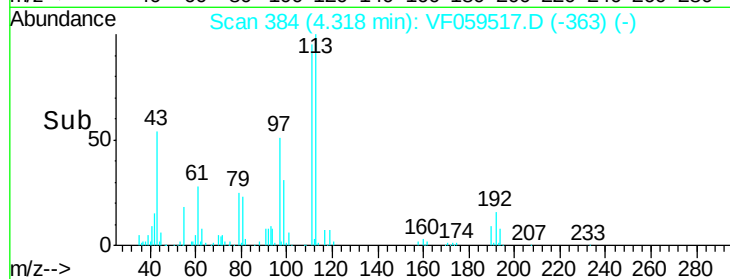
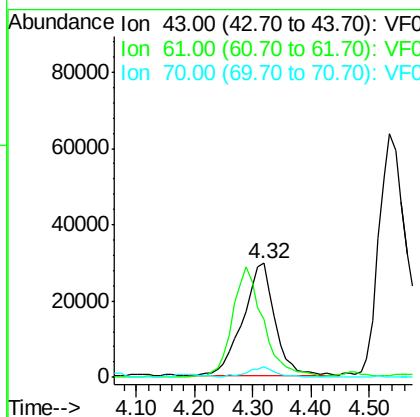
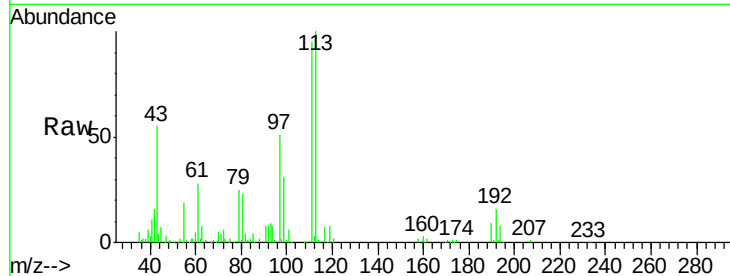
#37
Ethyl Acetate
Concen: 53.54 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	43	61	70	Ratio	Lower	Upper
113929	100	51.2	9.5		33.7	50.5#
					7.4	11.0

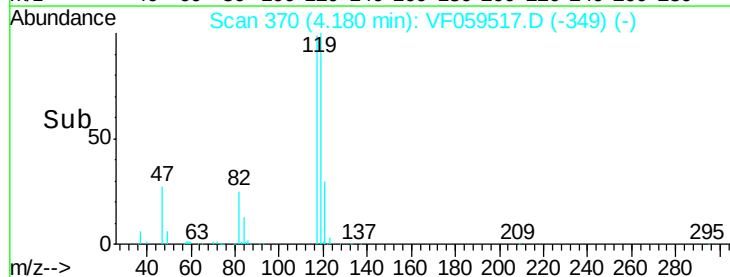
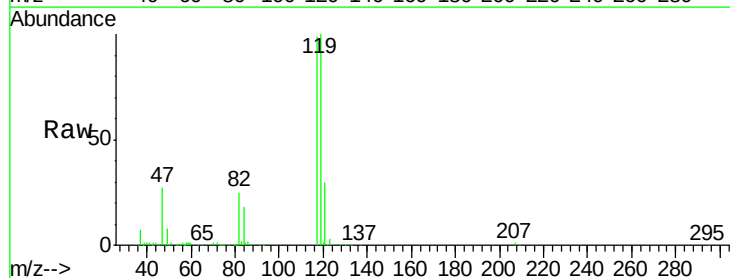
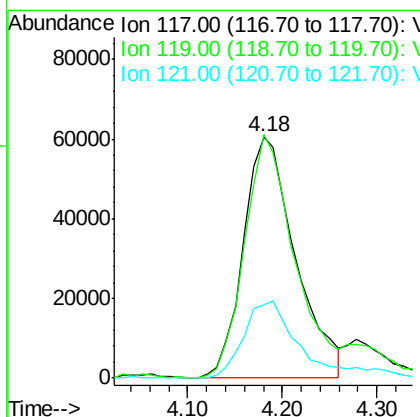
Manual Integrations
APPROVED

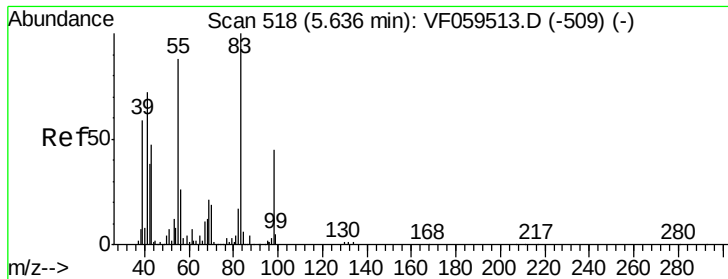
apatel
7/18/2018 3:16:24 PM



#38
Carbon Tetrachloride
Concen: 50.74 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	117	119	121	Ratio	Lower	Upper
231443	100	100.8	30.2		77.6	116.4
					24.9	37.3





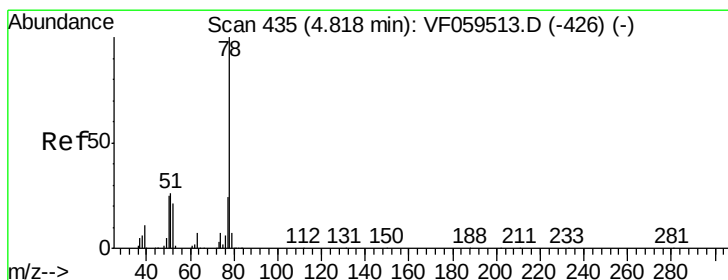
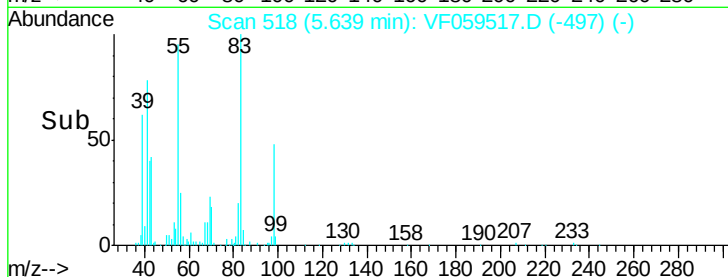
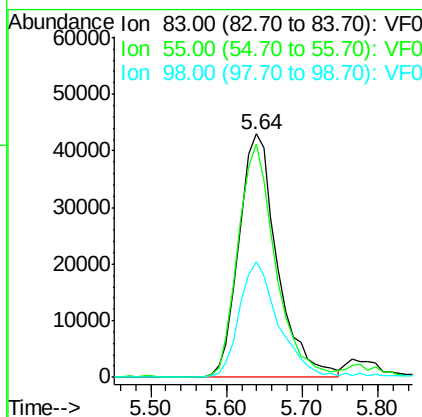
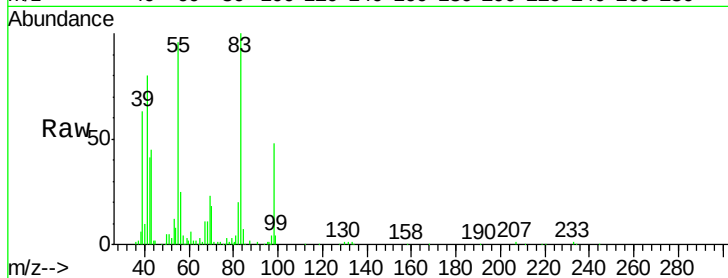
#39
Methylvlcyclohexane
Concen: 50.32 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.6	70.2	105.4
98	47.7	36.2	54.2

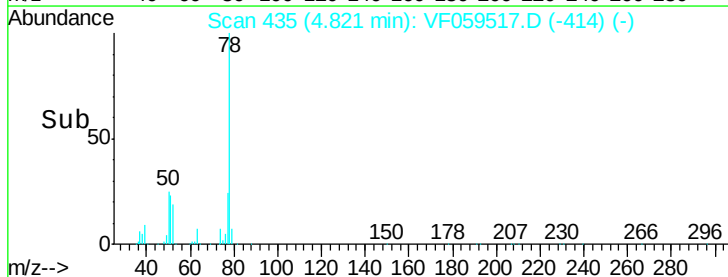
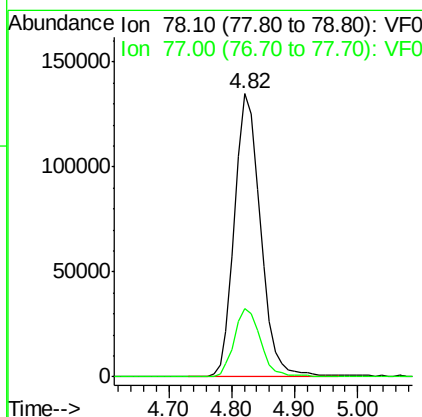
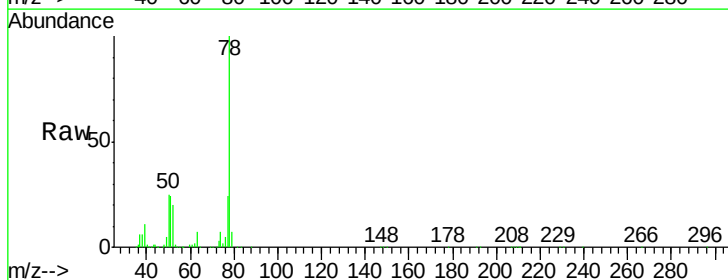
Manual Integrations
APPROVED

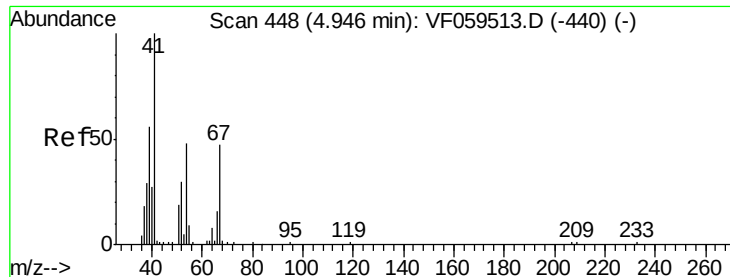
apatel
7/18/2018 3:16:24 PM



#40
Benzene
Concen: 50.07 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





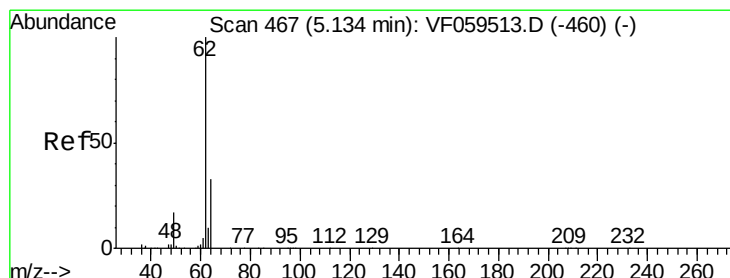
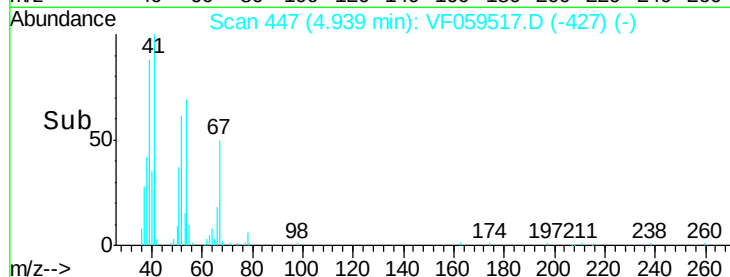
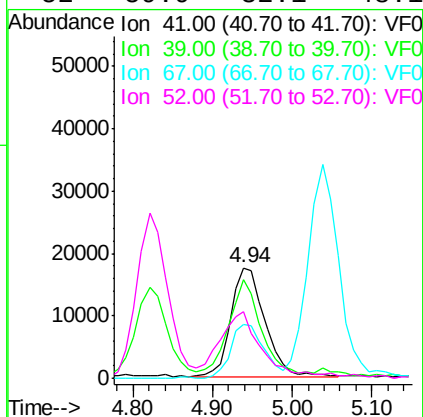
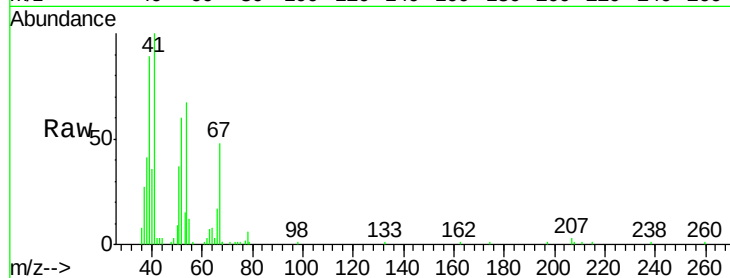
#41
Methacrylonitrile
Concen: 46.40 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
41	100		
39	88.7	49.4	74.0#
67	48.2	37.4	56.2
52	59.9	32.1	48.1#

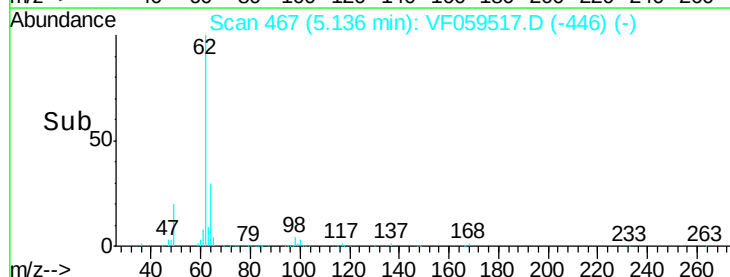
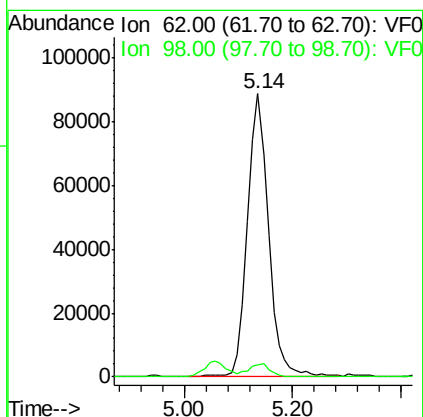
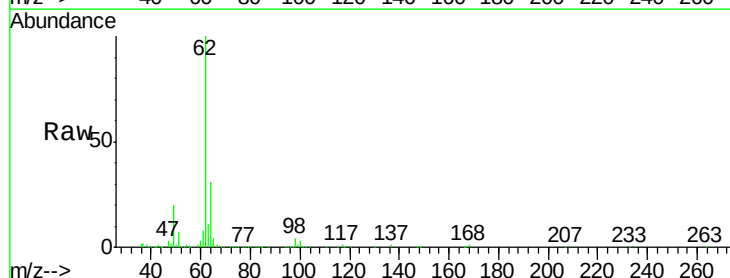
Manual Integrations
APPROVED

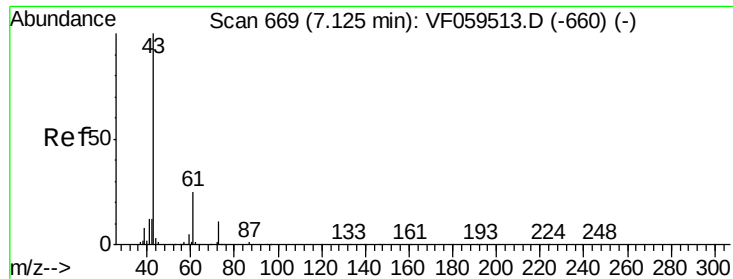
apatel
7/18/2018 3:16:24 PM



#42
1,2-Dichloroethane
Concen: 47.64 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	9.6





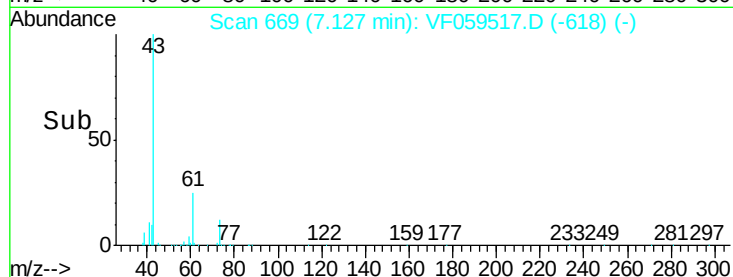
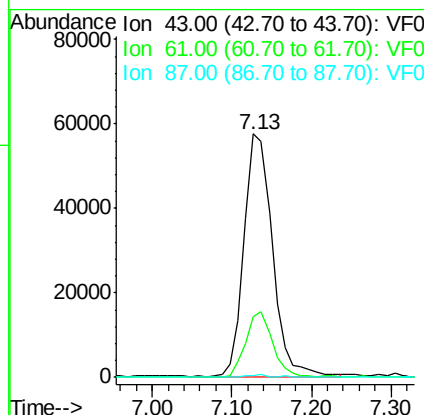
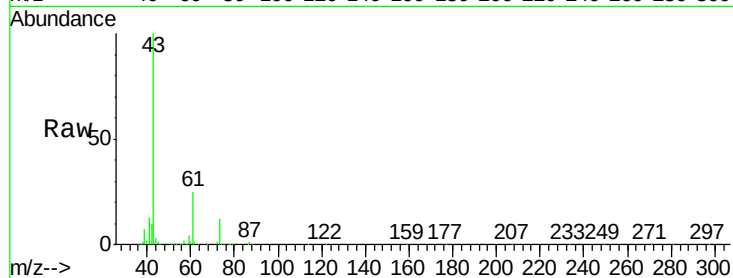
#43
Isopropyl Acetate
Concen: 49.82 ug/l
RT: 7.13 min Scan# 669
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.3	30.5
87	0.6	0.4	0.6#

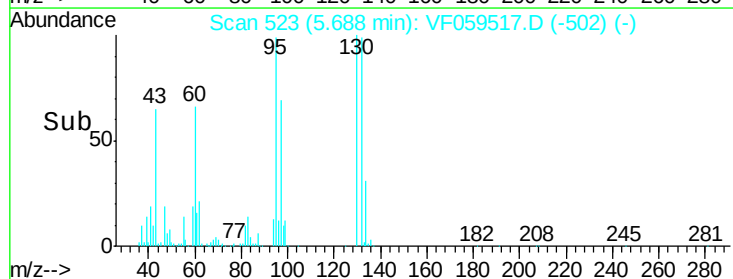
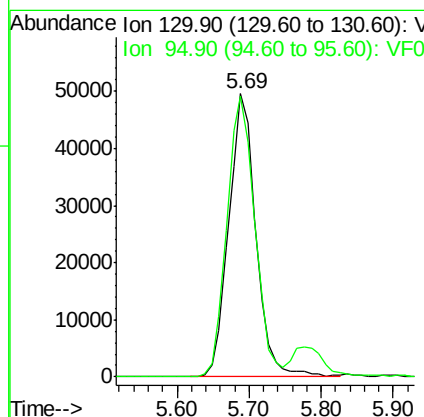
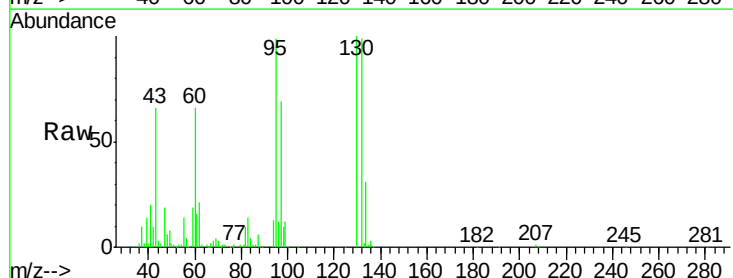
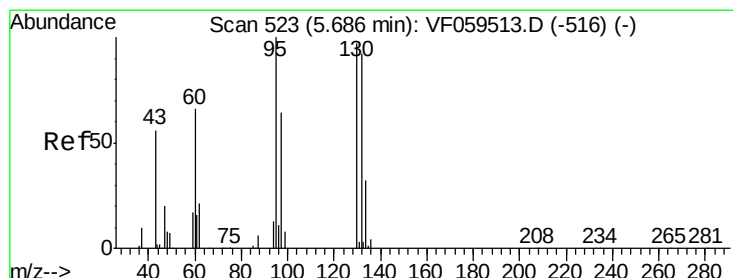
Manual Integrations
APPROVED

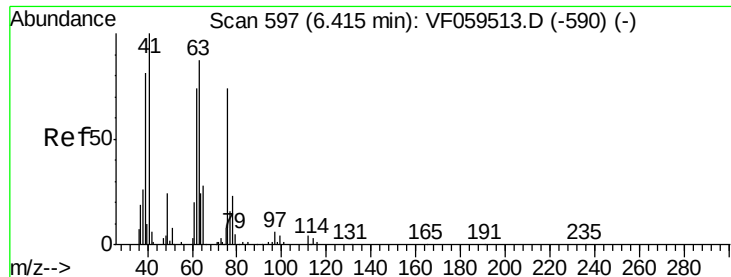
apatel
7/18/2018 3:16:24 PM



#44
Trichloroethene
Concen: 45.41 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	206.6





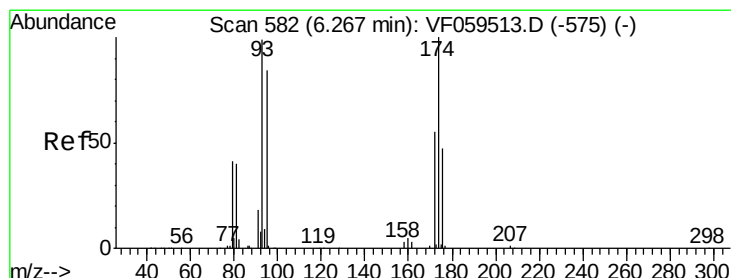
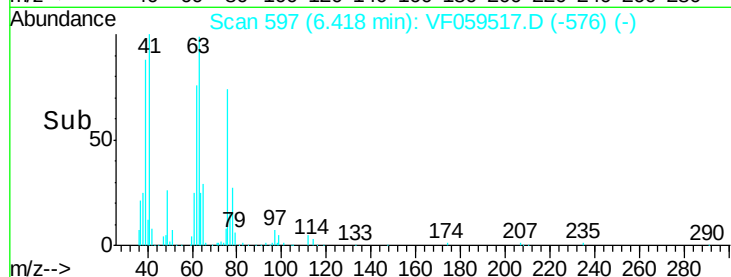
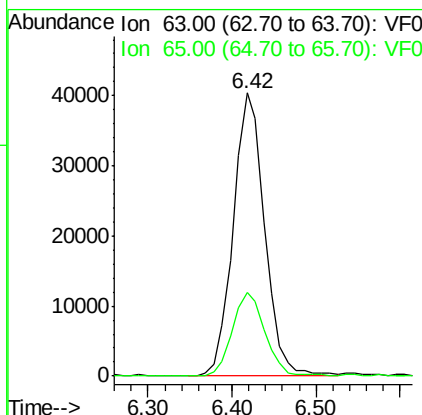
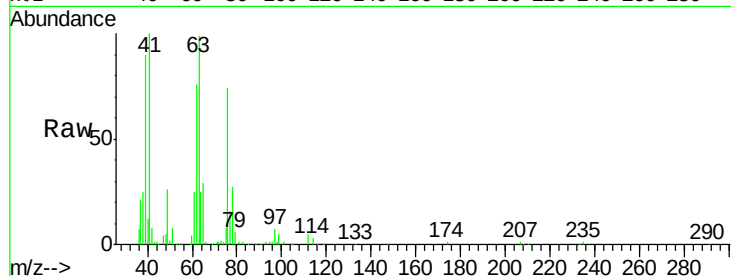
#45
 1,2-Dichloropropane
 Concen: 48.84 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF071718

Tot Ion	63	Resp	104690
Ion Ratio	Lower	Upper	
63	100		
65	29.6	26.1	39.1

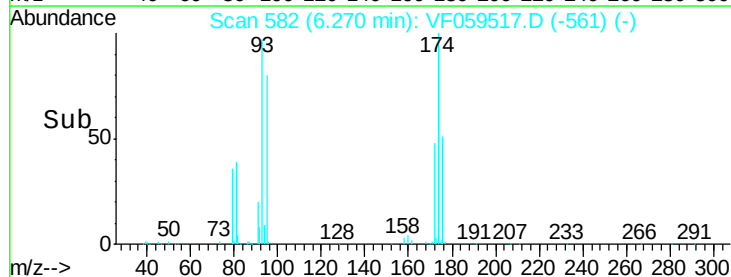
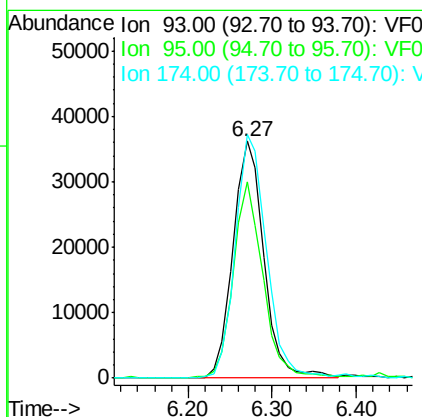
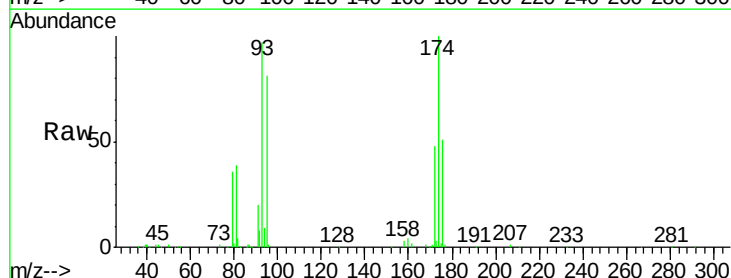
Manual Integrations
 APPROVED

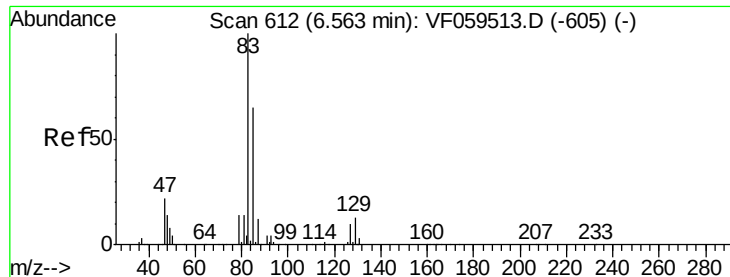
apatel
 7/18/2018 3:16:24 PM



#46
 Dibromomethane
 Concen: 47.66 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion	93	Resp	93032
Ion Ratio	Lower	Upper	
93	100		
95	82.9	68.3	102.5
174	102.7	81.2	121.8





#47

Bromodichloromethane

Concen: 49.03 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

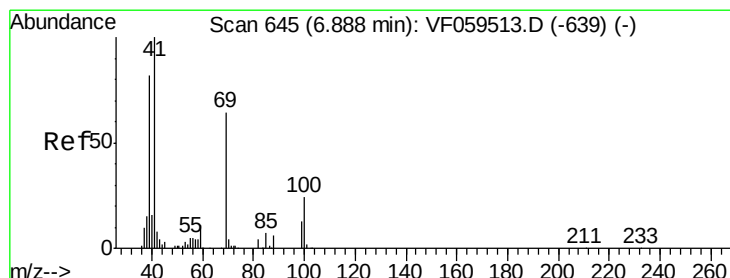
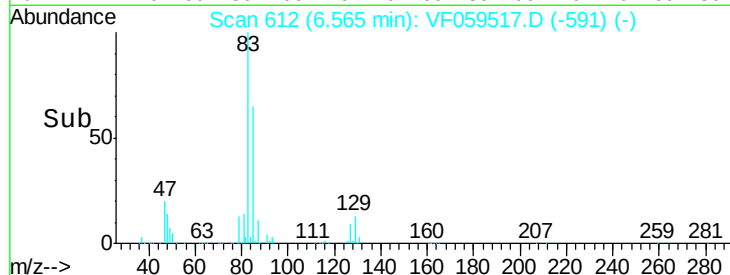
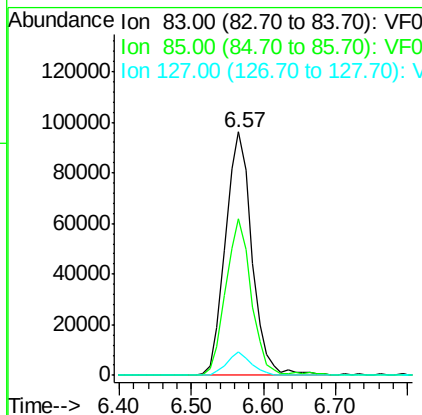
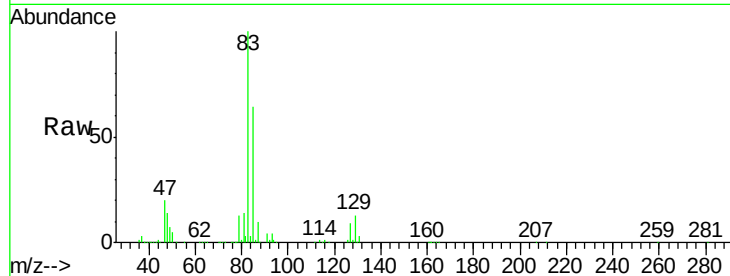
ClientSampleId :

ICVVF071718

Tot Ion:	83	Resp:	246380
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6
127	9.4	8.2	12.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#48

Methyl methacrylate

Concen: 48.32 ug/l

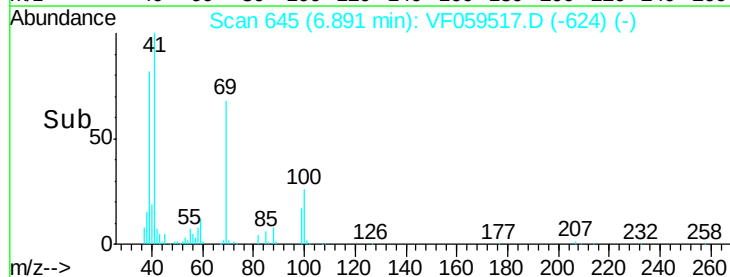
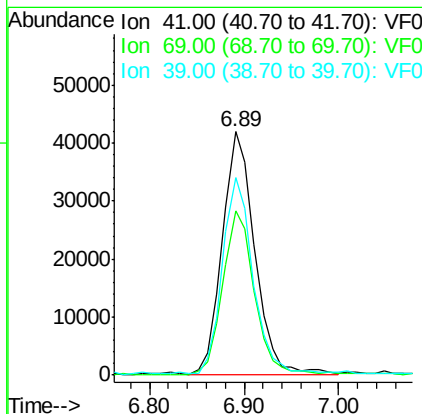
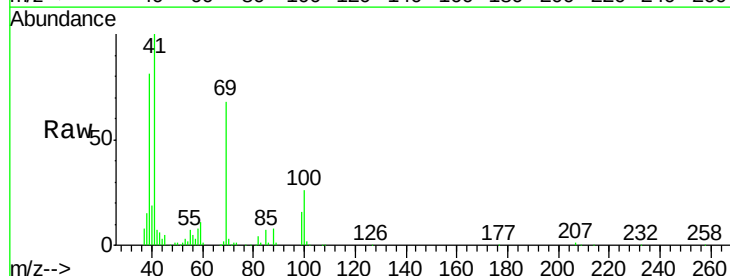
RT: 6.89 min Scan# 645

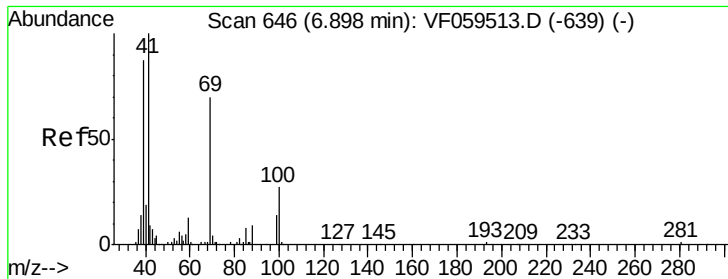
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	41	Resp:	98710
Ion	Ratio	Lower	Upper
41	100		
69	67.7	51.3	76.9
39	81.2	65.3	97.9





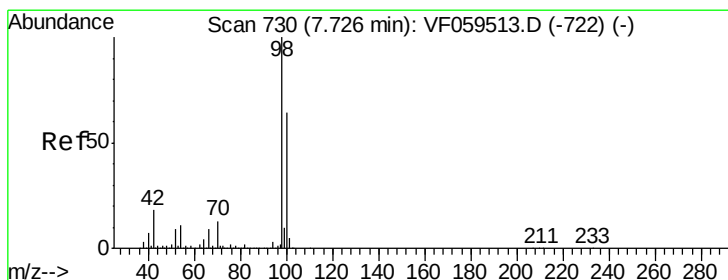
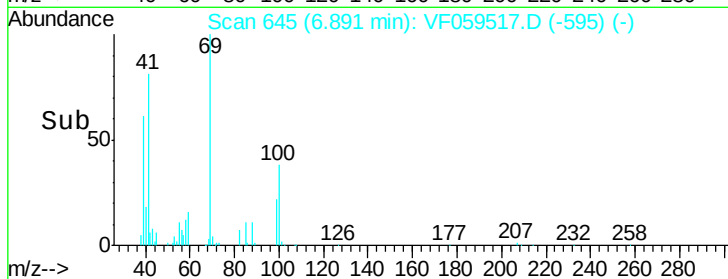
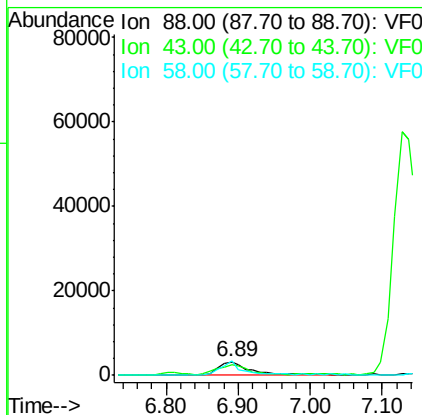
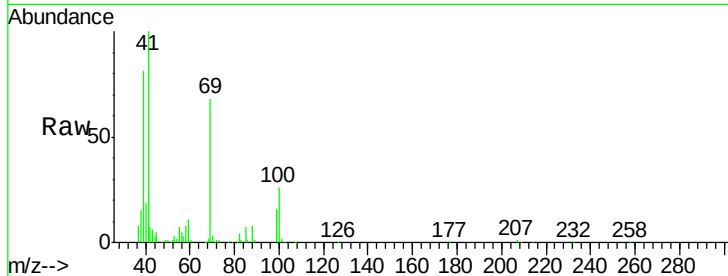
#49
1,4-Dioxane
Concen: 1165.01 ug/l
RT: 6.89 min Scan# 645
Delta R.T. -0.01 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
88	100		
43	78.0	64.8	97.2
58	102.5	44.1	66.1#

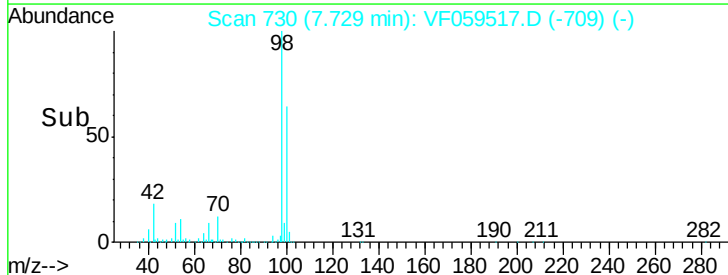
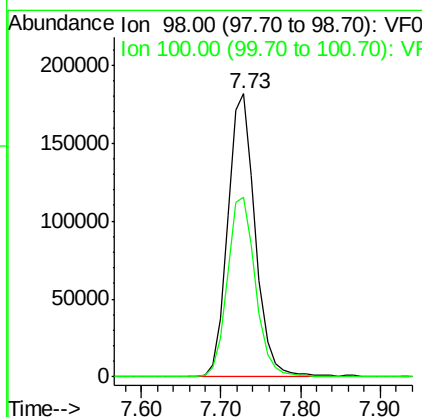
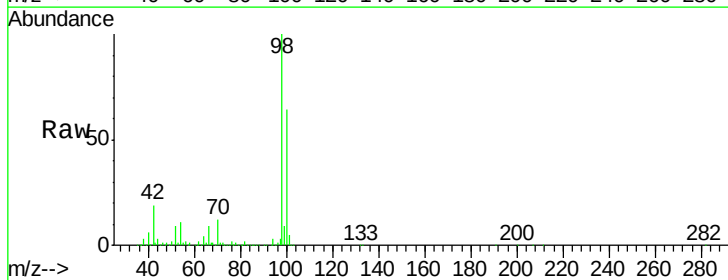
Manual Integrations
APPROVED

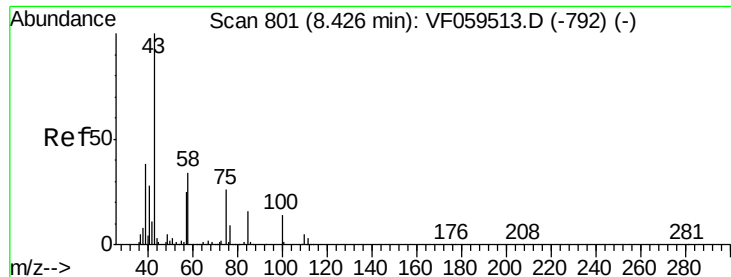
apatel
7/18/2018 3:16:24 PM



#50
Toluene-d8
Concen: 50.43 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 238.90 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion: 43 Resp: 484390

Ion Ratio Lower Upper

43 100

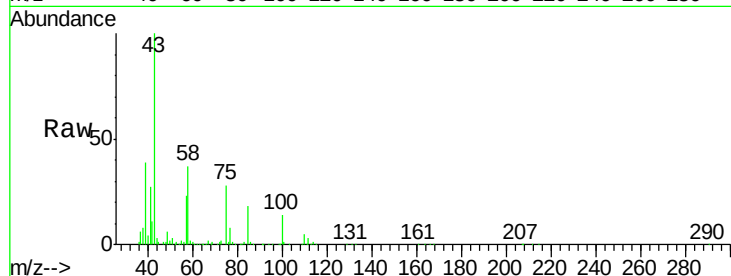
58 36.7 27.4 41.2

Manual Integrations

APPROVED

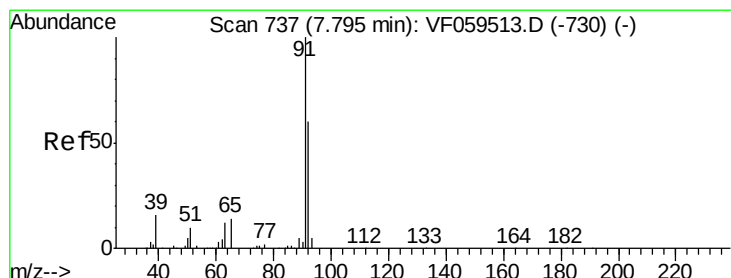
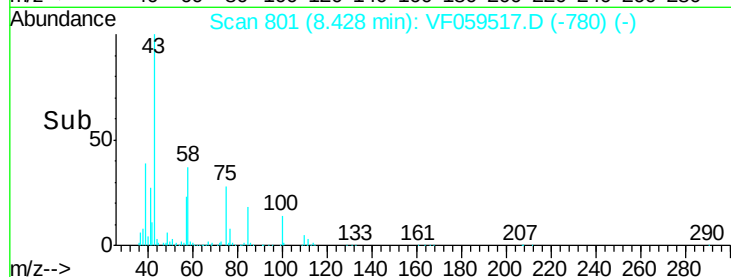
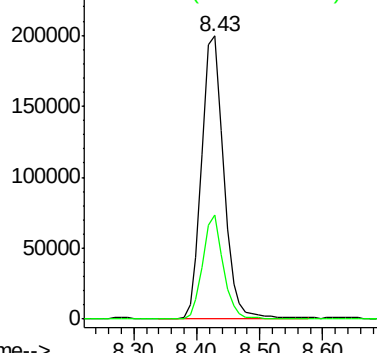
apatel

7/18/2018 3:16:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 48.39 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059517.D

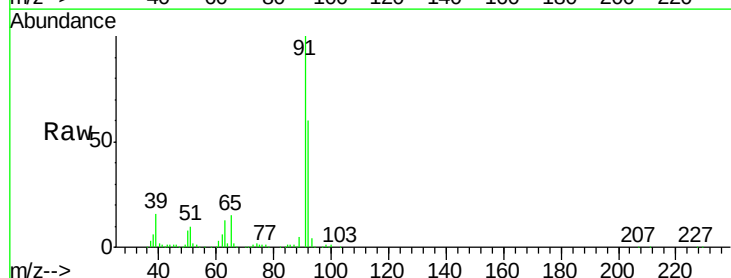
Acq: 17 Jul 2018 20:18

Tgt Ion: 92 Resp: 271036

Ion Ratio Lower Upper

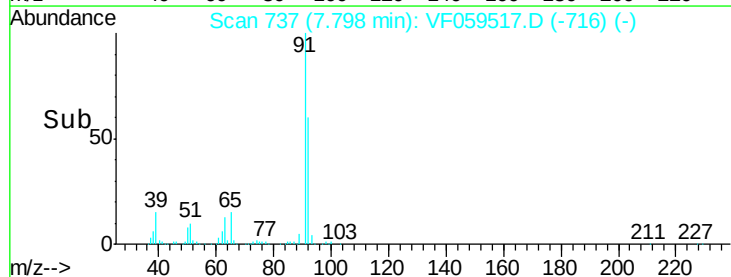
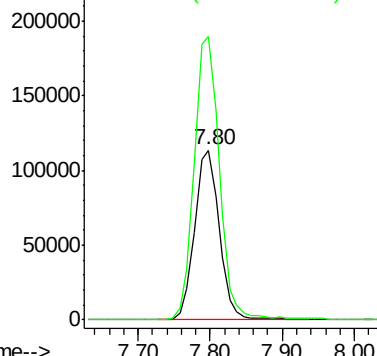
92 100

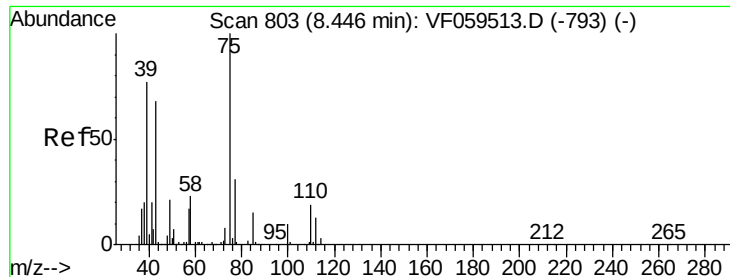
91 166.6 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 46.47 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion: 75 Resp: 214781

Ion Ratio Lower Upper

75 100

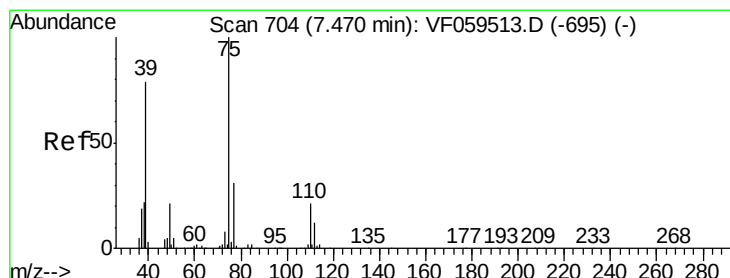
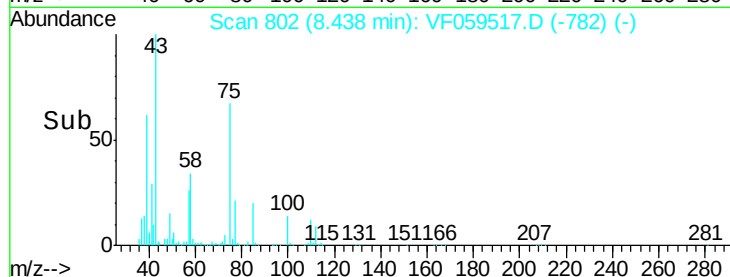
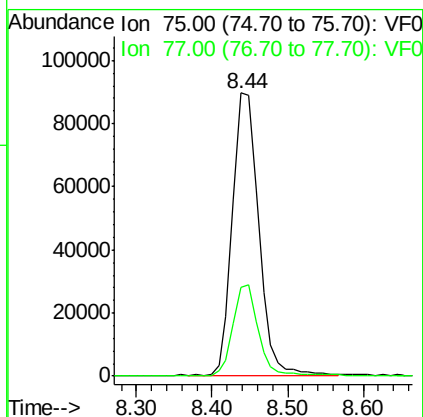
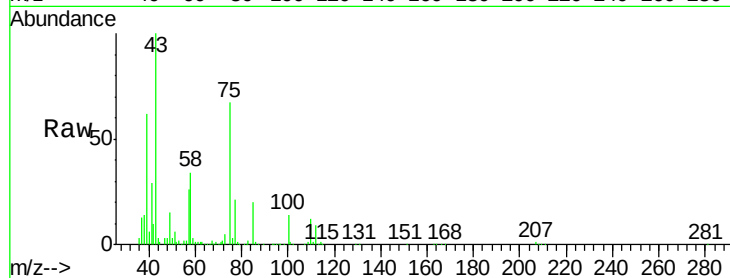
77 31.5 25.3 37.9

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:24 PM



#54

cis-1,3-Dichloropropene

Concen: 49.56 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

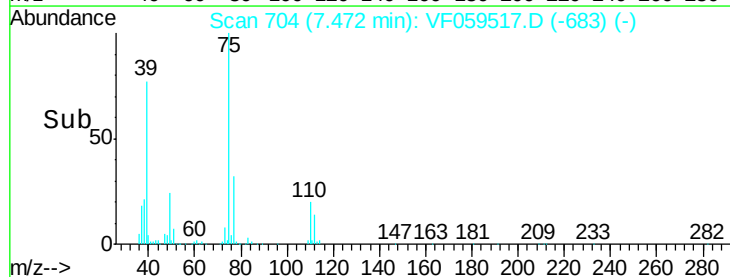
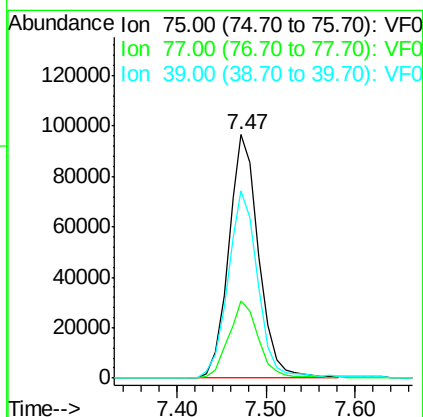
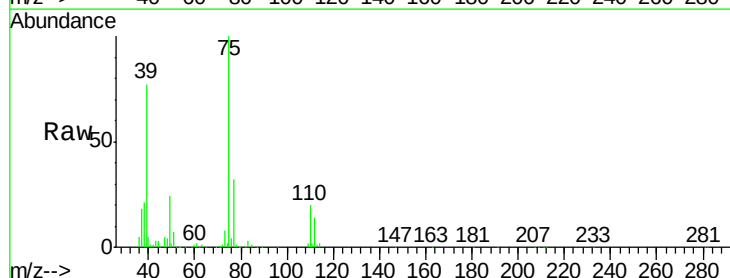
Tgt Ion: 75 Resp: 228069

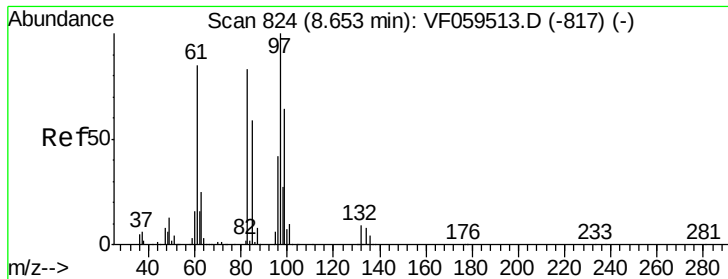
Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6

39 77.1 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 48.48 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

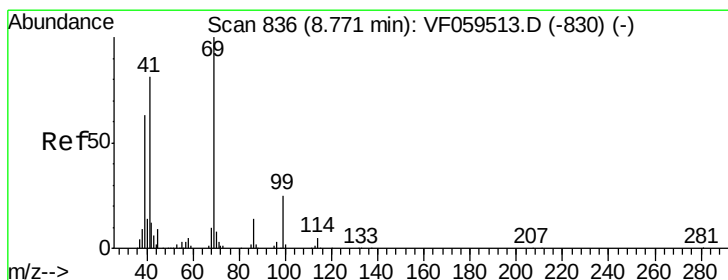
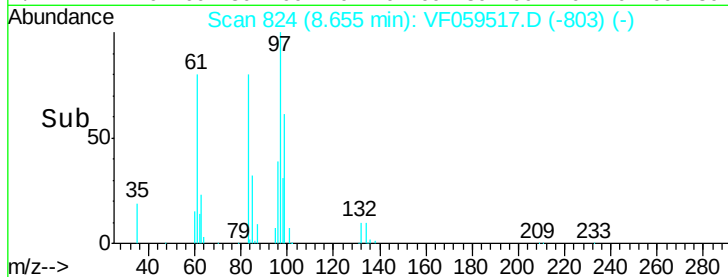
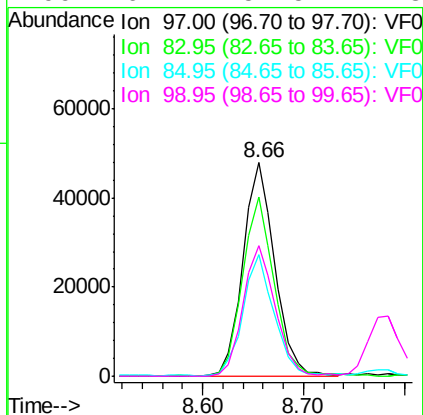
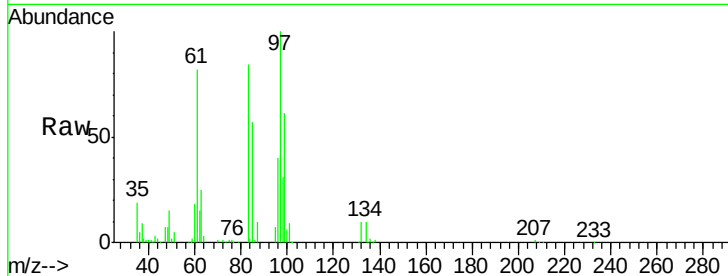
ICVVF071718

Tot Ion:	97	Resp:	105207
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.9	100.3
85	56.9	46.9	70.3
99	61.1	51.5	77.3

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:24 PM



#56

Ethyl methacrylate

Concen: 51.08 ug/l

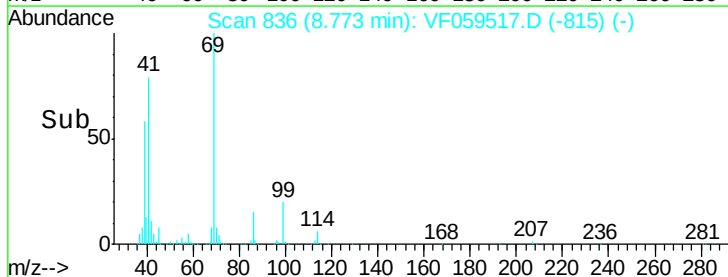
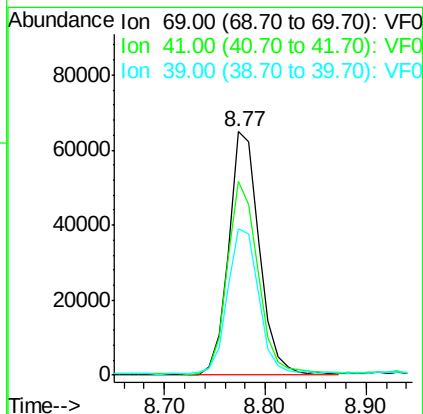
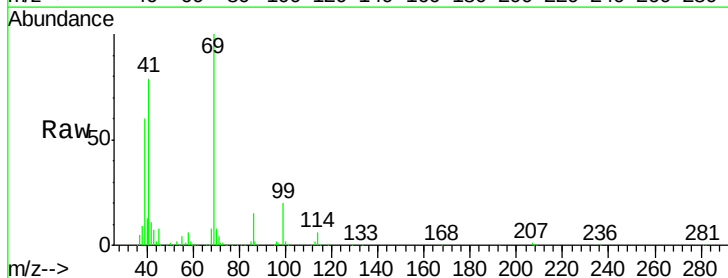
RT: 8.77 min Scan# 836

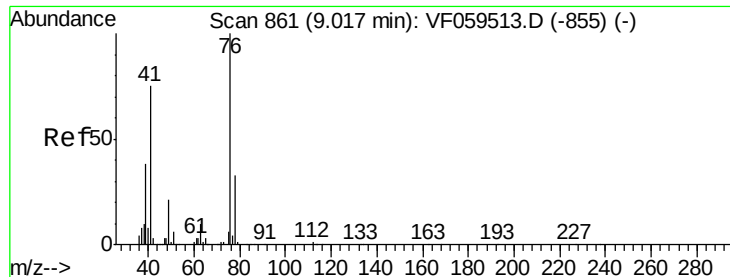
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	69	Resp:	137476
Ion	Ratio	Lower	Upper
69	100		
41	79.5	65.4	98.2
39	59.9	51.0	76.4





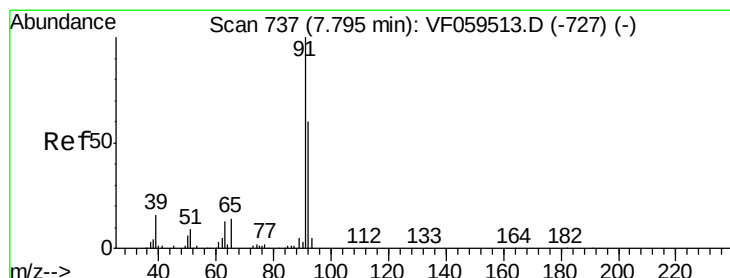
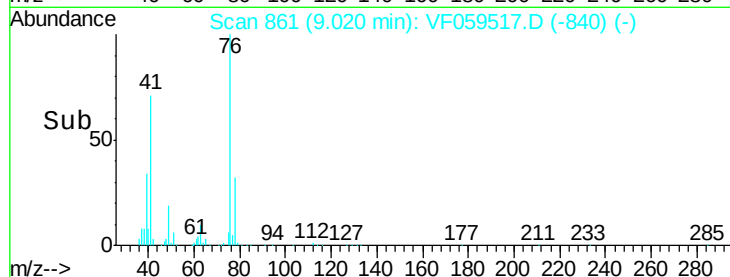
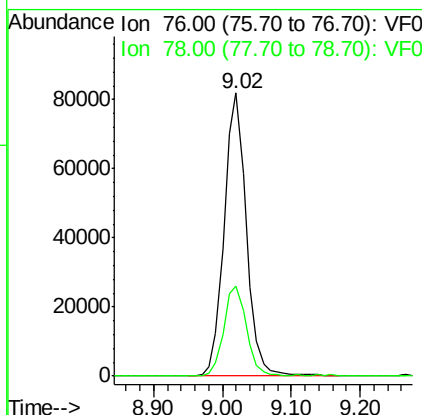
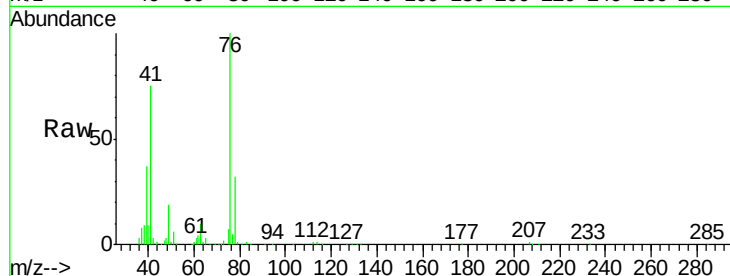
#57
 1,3-Dichloropropane
 Concen: 47.76 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF071718

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.4	39.6

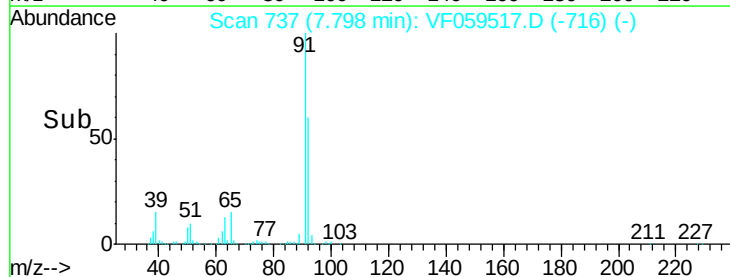
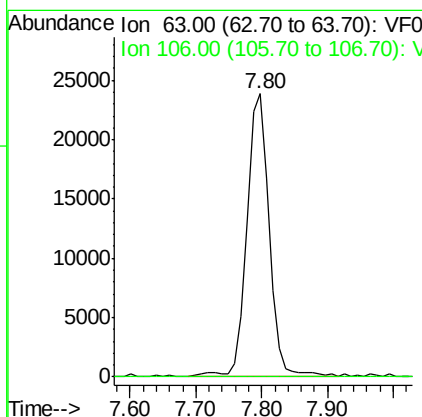
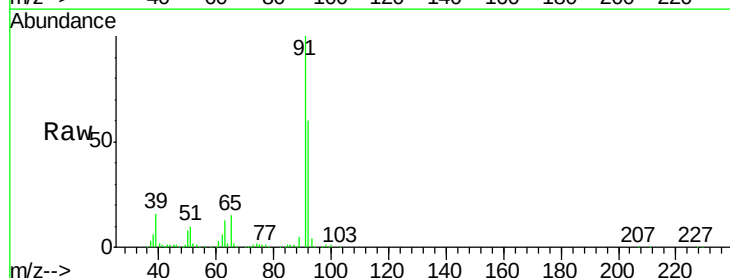
Manual Integrations
 APPROVED

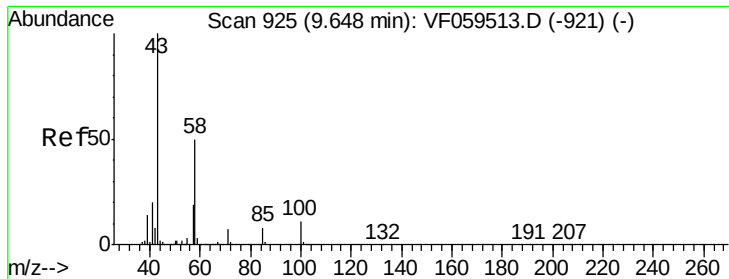
apatel
 7/18/2018 3:16:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.05 ug/l
 RT: 7.80 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





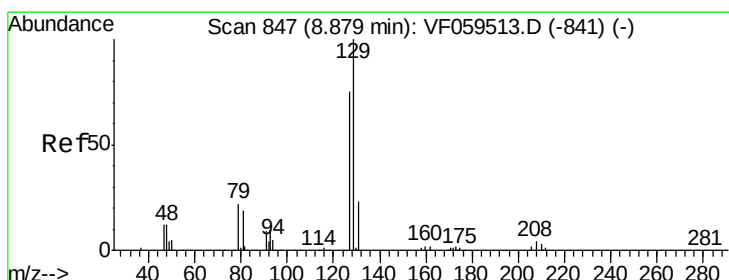
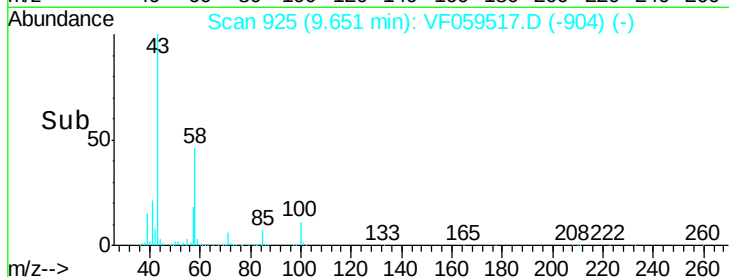
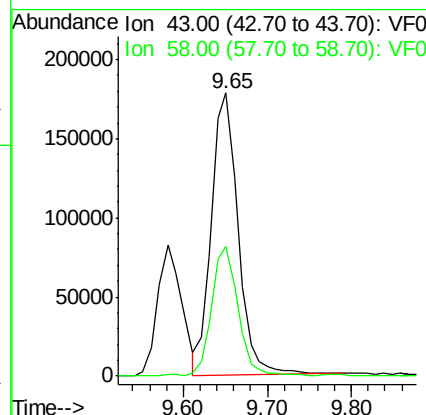
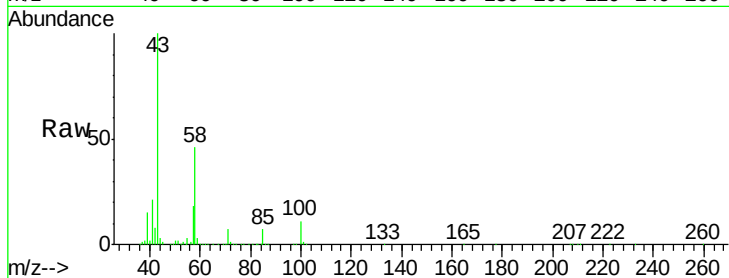
#59
2-Hexanone
Concen: 255.60 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion: 43 Resp: 391680
Ion Ratio Lower Upper
43 100
58 46.0 23.3 69.9

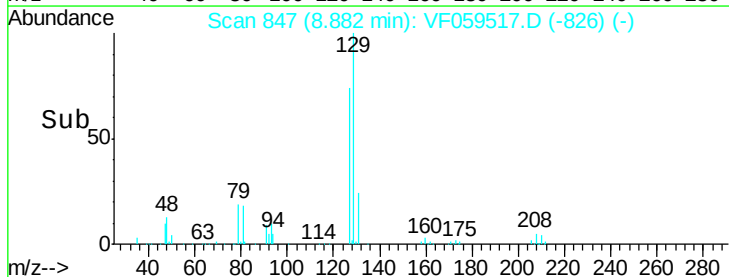
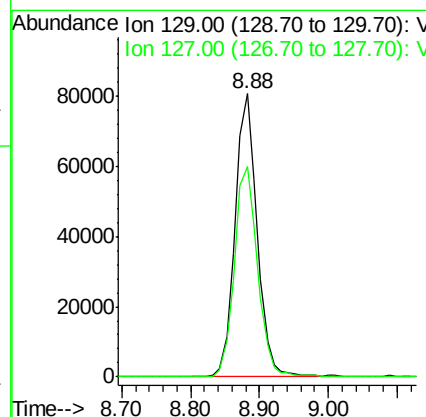
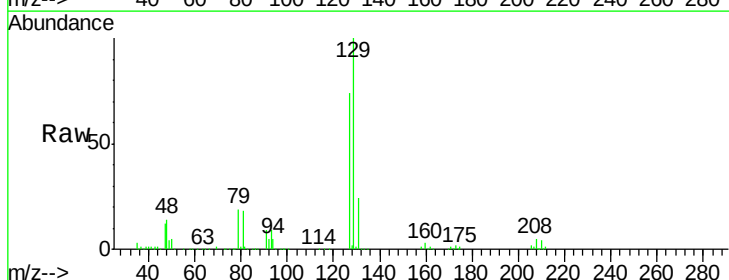
Manual Integrations
APPROVED

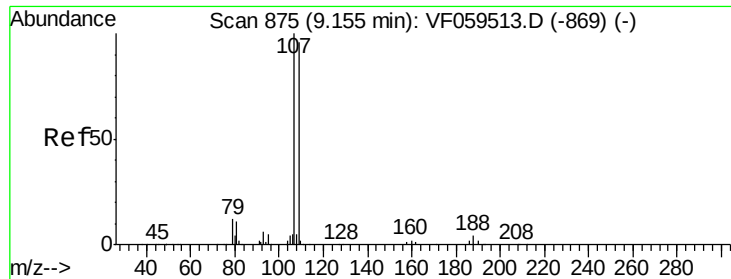
apatel
7/18/2018 3:16:24 PM



#60
Dibromochloromethane
Concen: 48.97 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion: 129 Resp: 179094
Ion Ratio Lower Upper
129 100
127 74.3 37.6 112.8





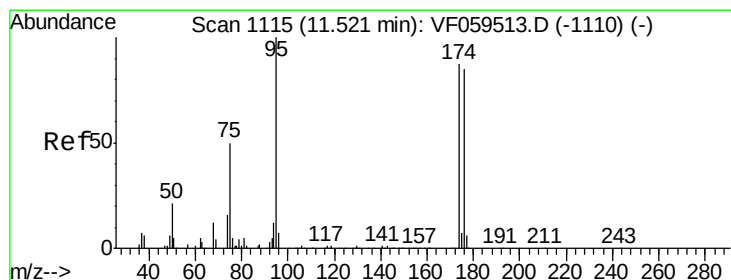
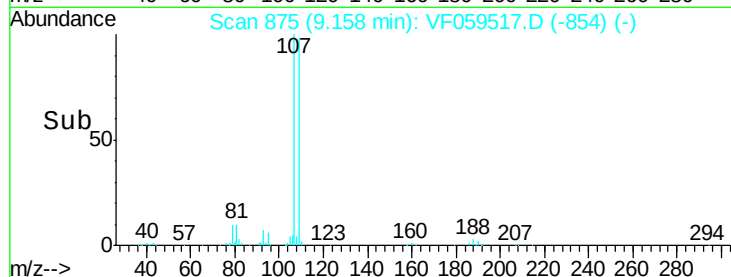
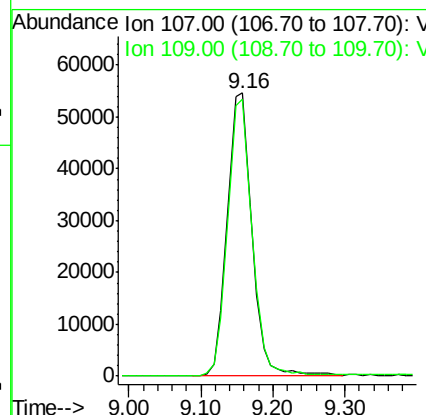
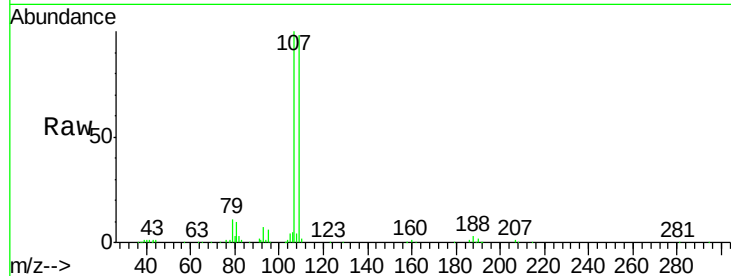
#61
 1,2-Dibromoethane
 Concen: 48.49 ug/l
 RT: 9.16 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF071718

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.9	76.5	114.7

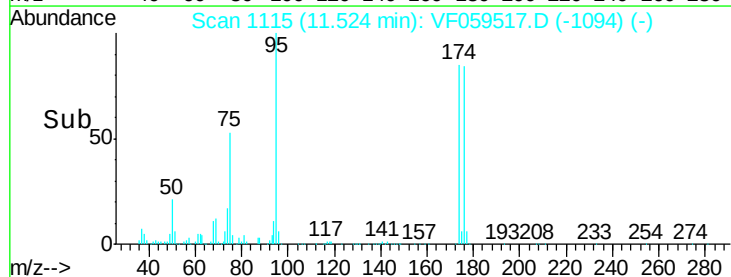
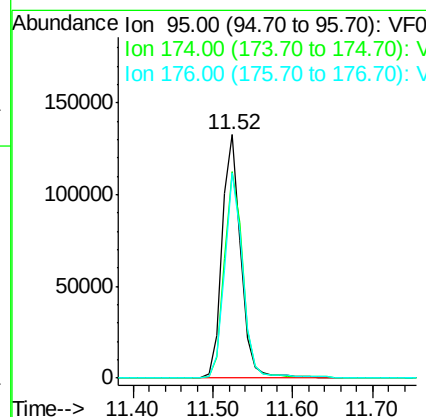
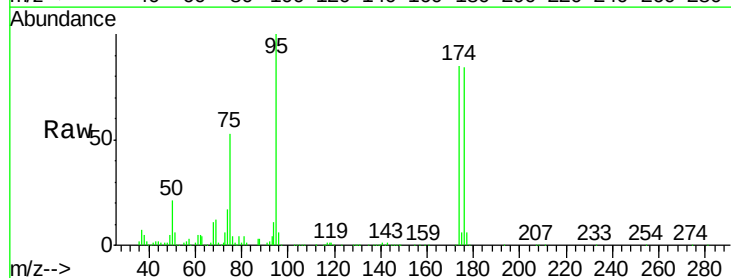
Manual Integrations
 APPROVED

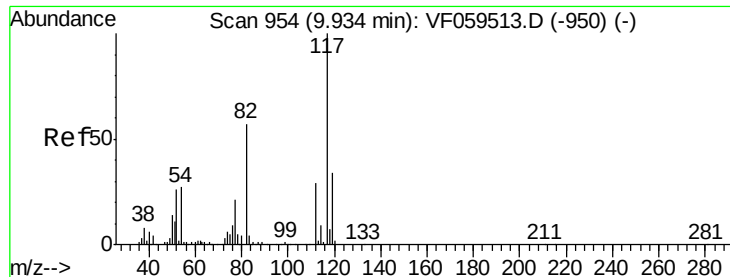
apatel
 7/18/2018 3:16:24 PM



#62
 4-Bromofluorobenzene
 Concen: 48.68 ug/l
 RT: 11.52 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	174.4
176	84.2	0.0	169.4





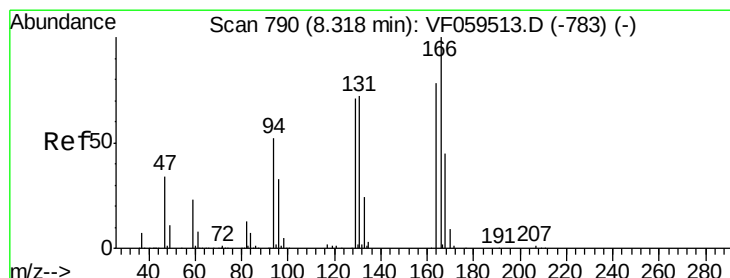
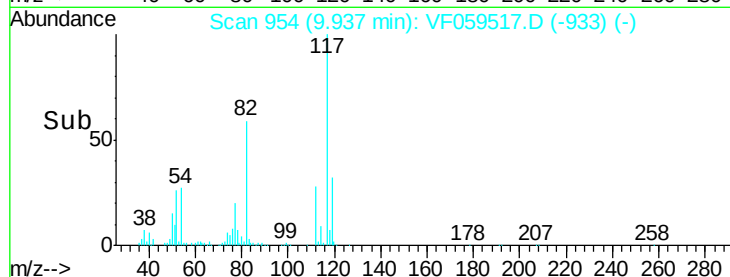
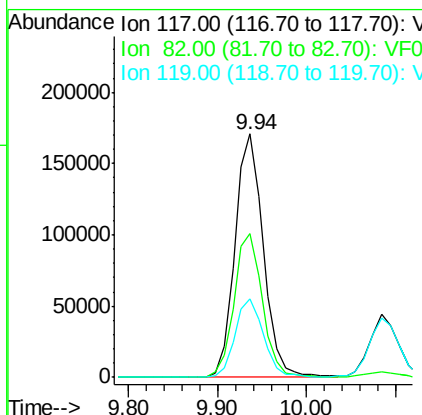
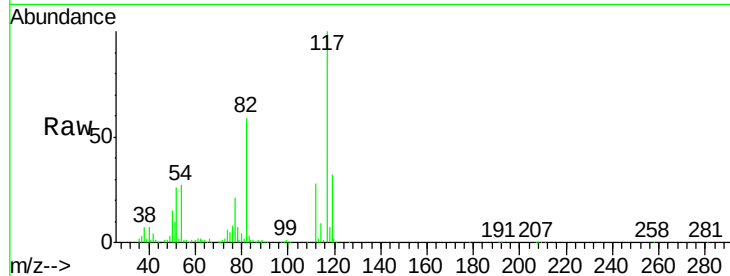
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	58.9	46.1	69.1
119	32.5	27.2	40.8

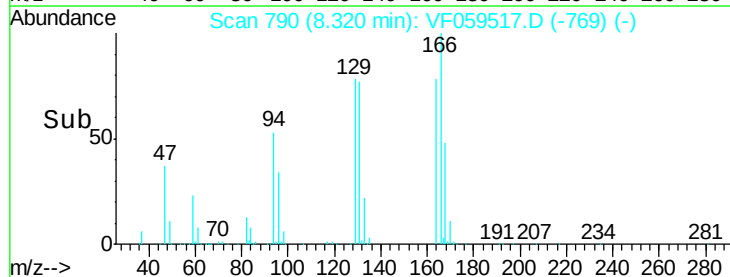
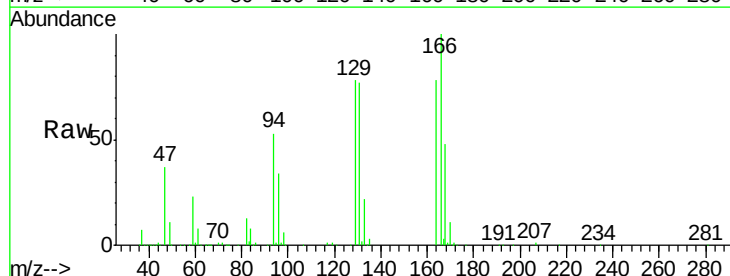
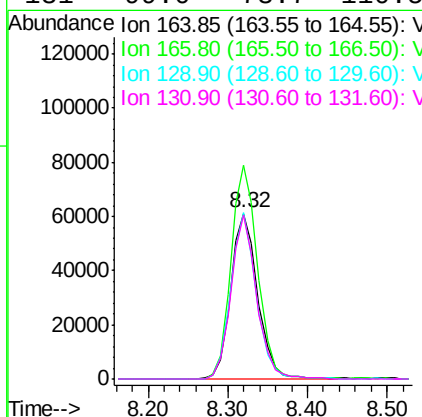
Manual Integrations
APPROVED

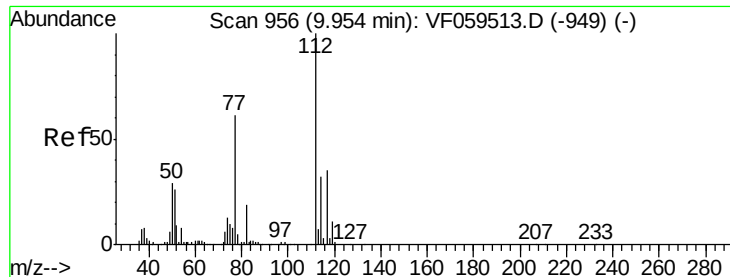
apatel
7/18/2018 3:16:24 PM



#64
Tetrachloroethene
Concen: 50.65 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	128.9	102.3	153.5
129	100.2	72.4	108.6
131	99.0	73.7	110.5





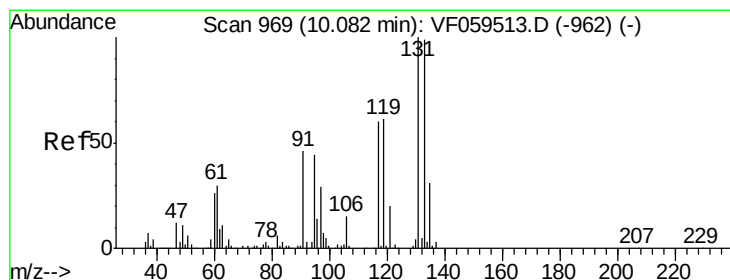
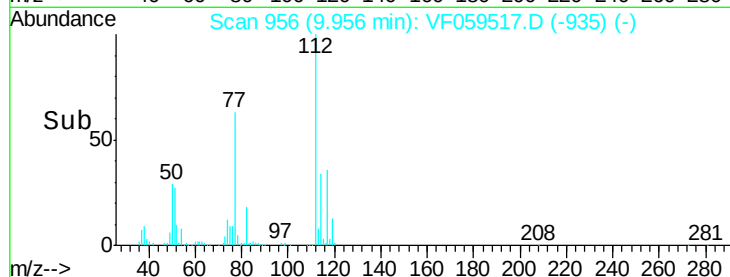
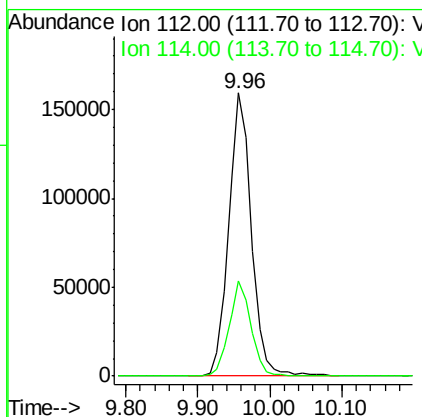
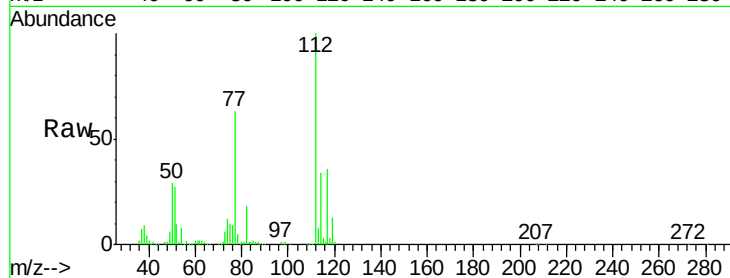
#65
Chlorobenzene
Concen: 48.76 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.4	38.2

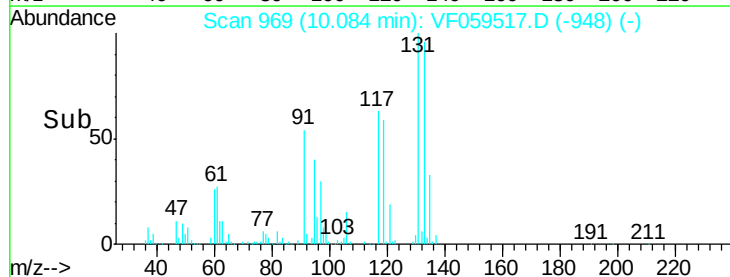
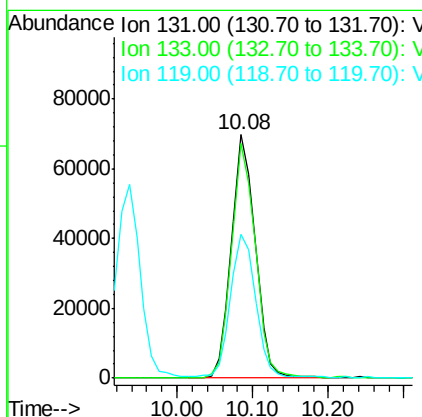
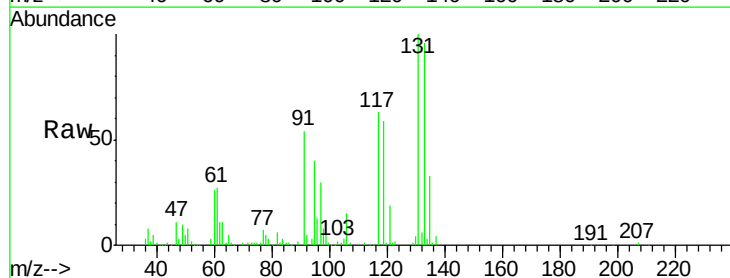
Manual Integrations
APPROVED

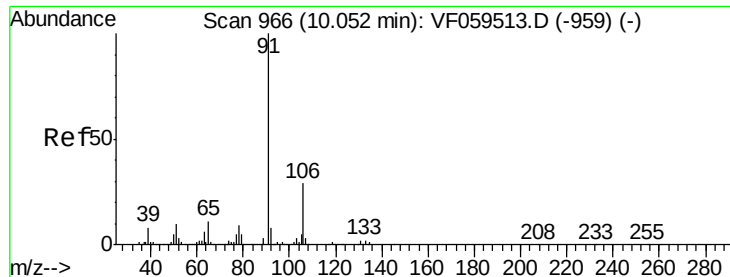
apatel
7/18/2018 3:16:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.13 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	49.6	148.8
119	59.1	31.4	94.3





#67

Ethyl Benzene

Concen: 47.66 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion: 91 Resp: 605902

Ion Ratio Lower Upper

91 100

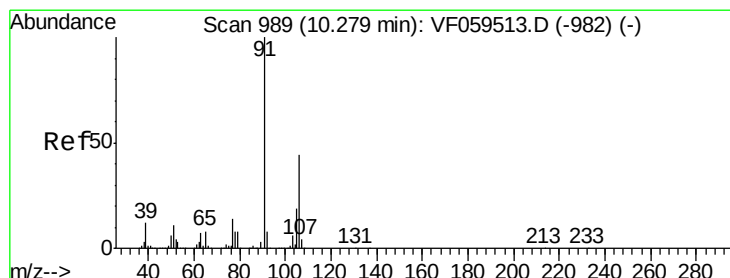
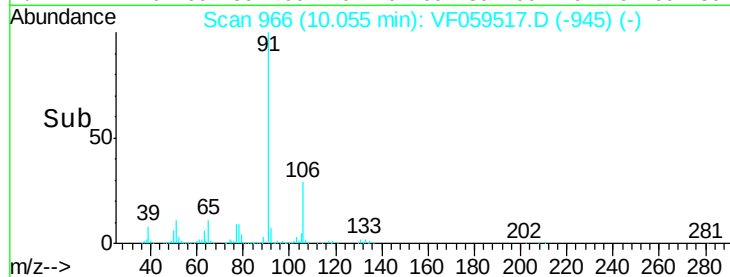
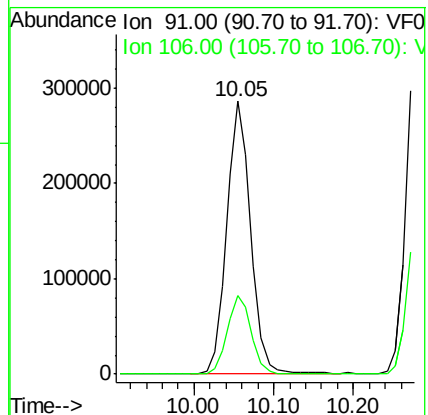
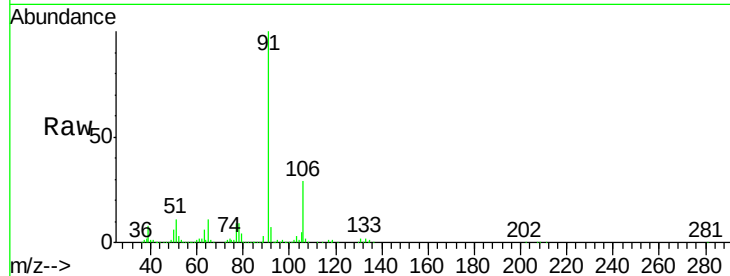
106 28.8 23.4 35.2

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:24 PM



#68

m/p-Xylenes

Concen: 94.86 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059517.D

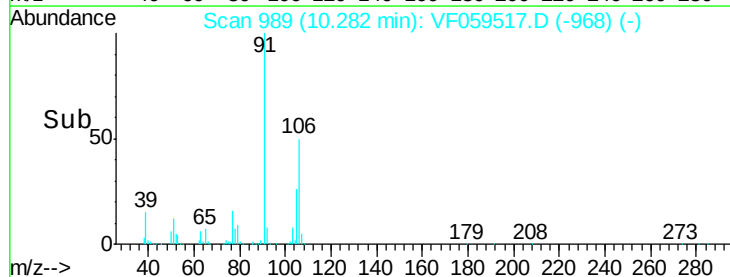
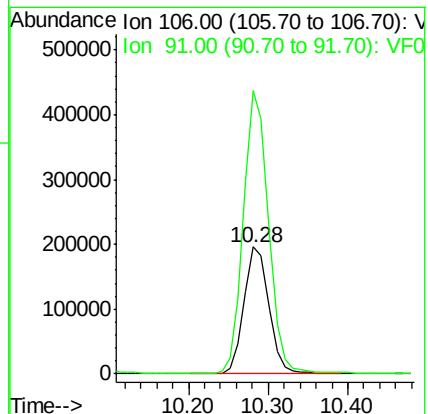
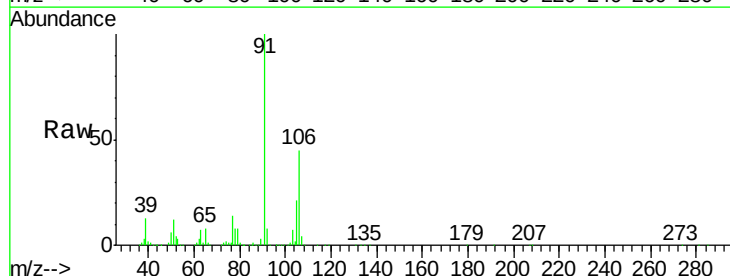
Acq: 17 Jul 2018 20:18

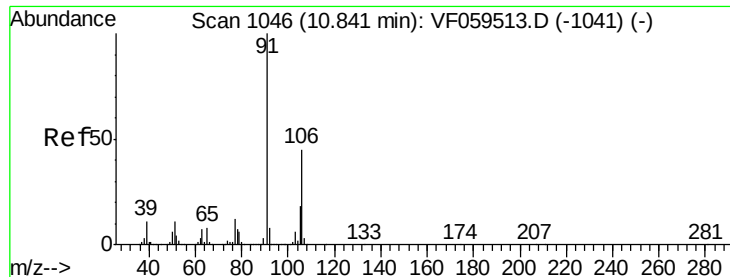
Tgt Ion: 106 Resp: 425704

Ion Ratio Lower Upper

106 100

91 222.8 181.0 271.4





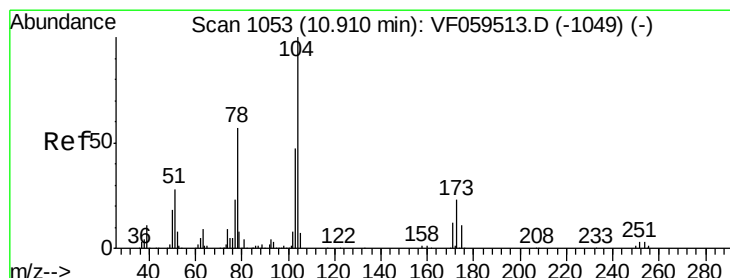
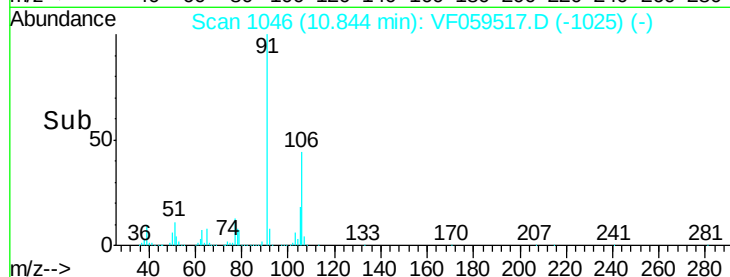
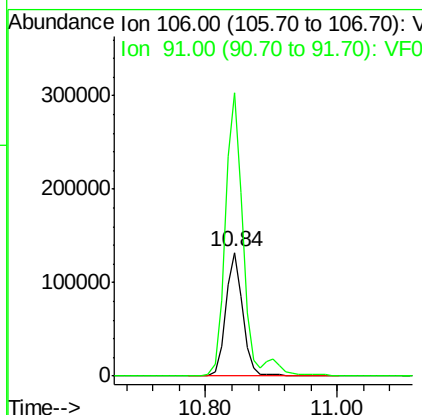
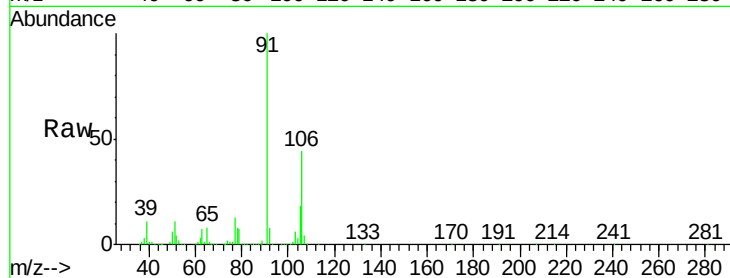
#69
o-Xylene
Concen: 50.11 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	229.3	112.3	239432	336.9	

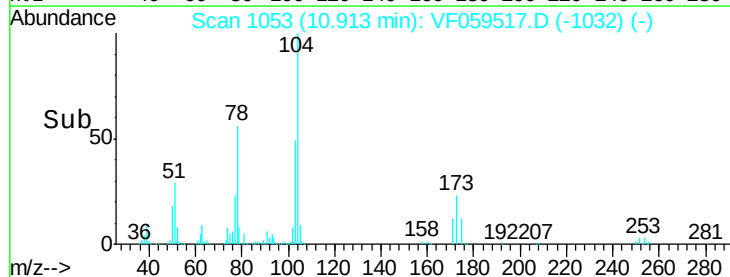
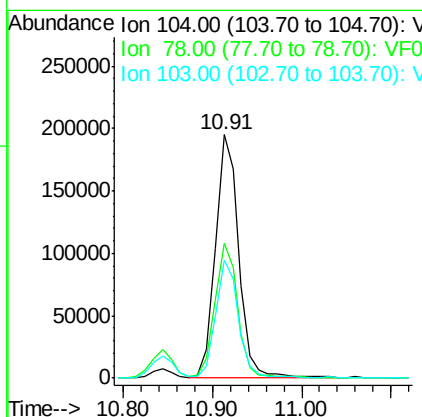
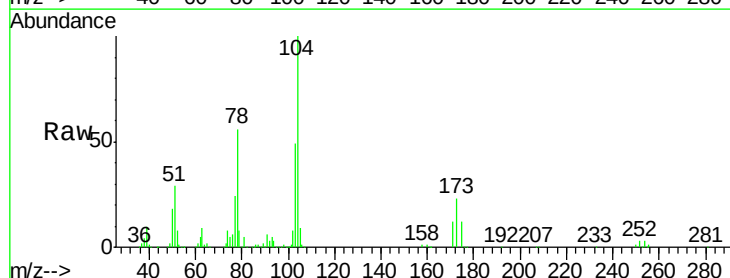
Manual Integrations
APPROVED

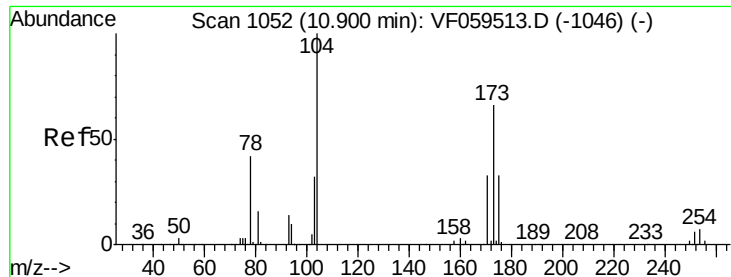
apatel
7/18/2018 3:16:24 PM



#70
Styrene
Concen: 48.36 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	55.5	45.7	355169	68.5	
103	48.5	38.1		57.1	





#71

Bromoform

Concen: 50.63 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

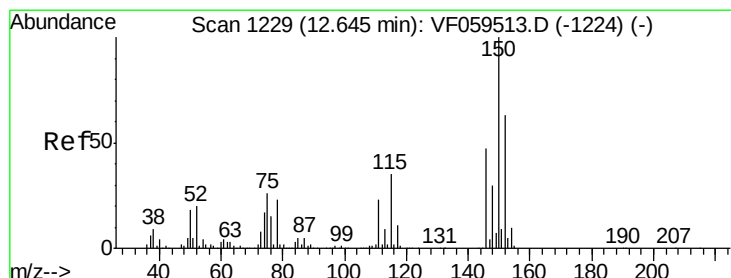
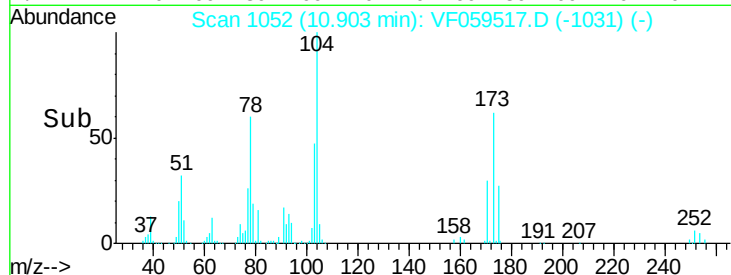
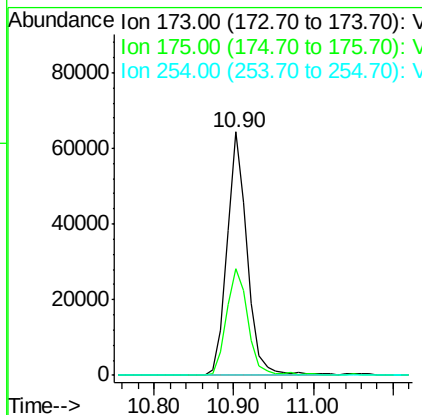
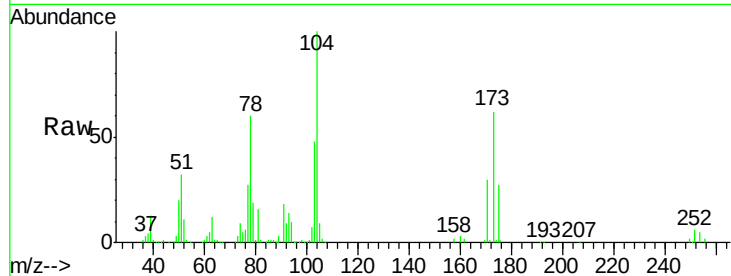
ClientSampleId :

ICVVF071718

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.7	25.3	75.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

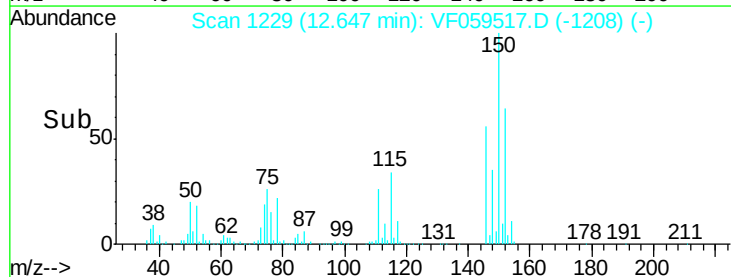
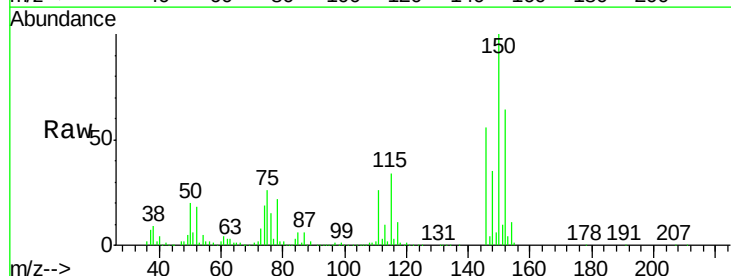
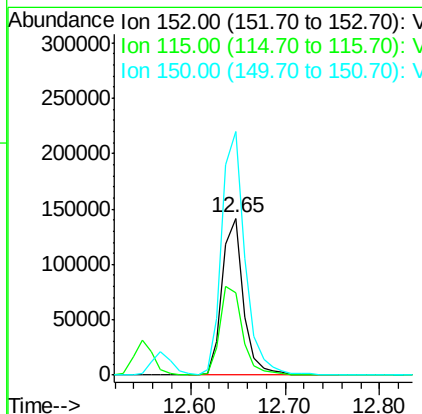
RT: 12.65 min Scan# 1229

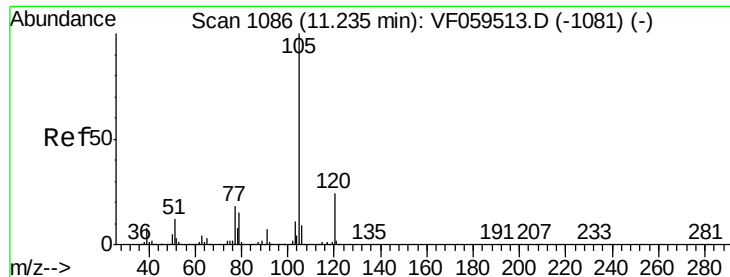
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	27.8	83.3
150	155.3	0.0	318.4





#73

Isopropylbenzene

Concen: 49.65 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion:105 Resp: 694888

Ion Ratio Lower Upper

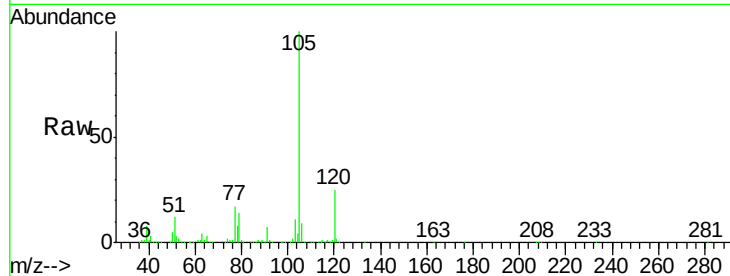
105 100

120 24.7 12.0 36.0

Manual Integrations
APPROVED

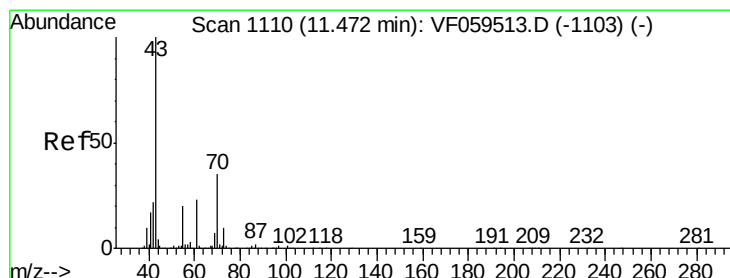
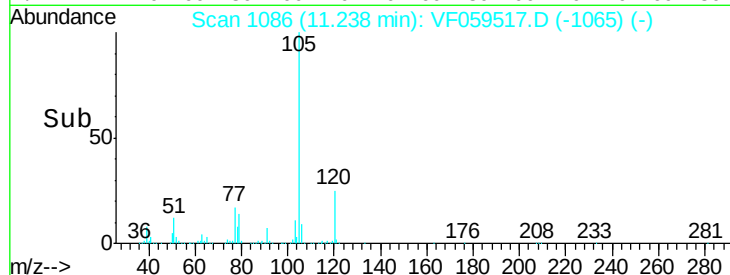
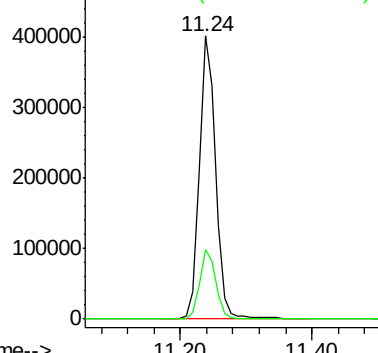
apatel

7/18/2018 3:16:24 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.28 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion: 43 Resp: 225368

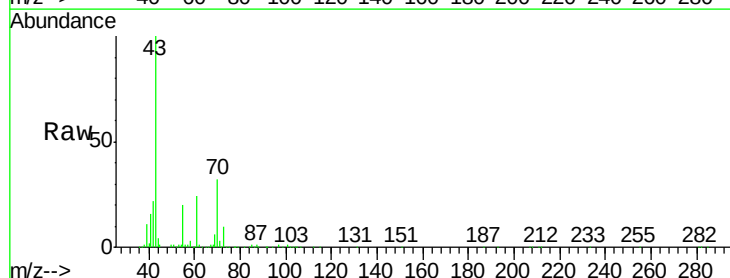
Ion Ratio Lower Upper

43 100

70 32.5 27.9 41.9

55 20.1 16.2 24.2

61 24.0 18.6 27.8

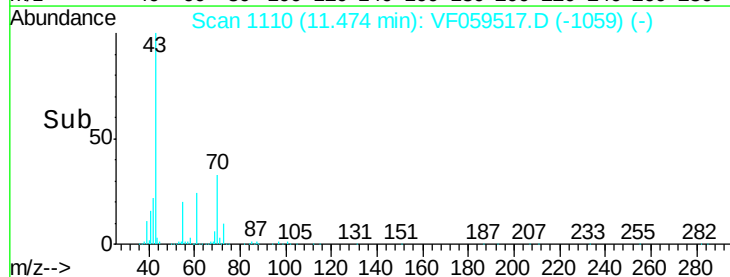
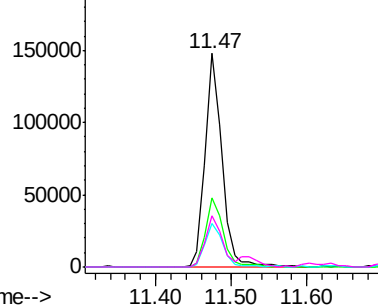


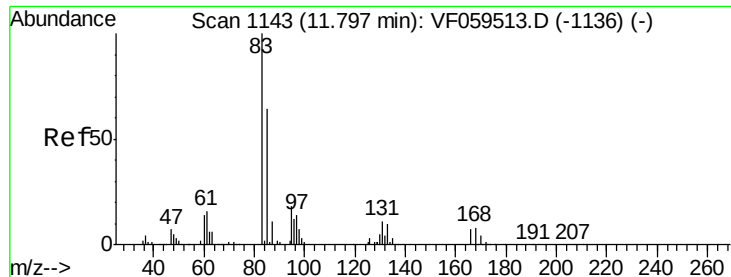
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.70 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

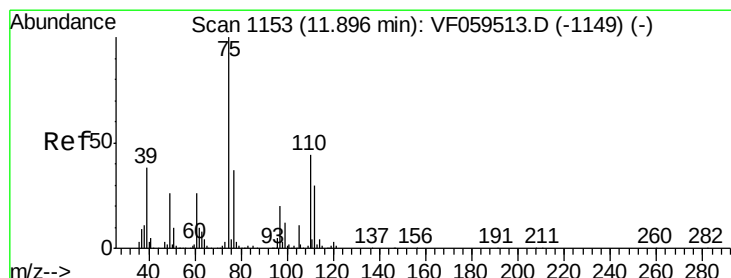
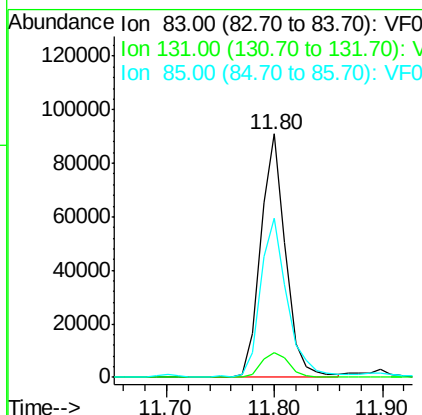
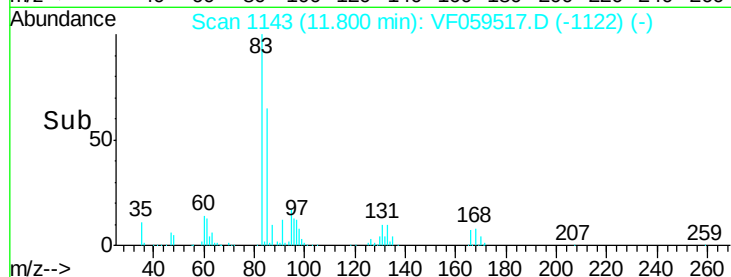
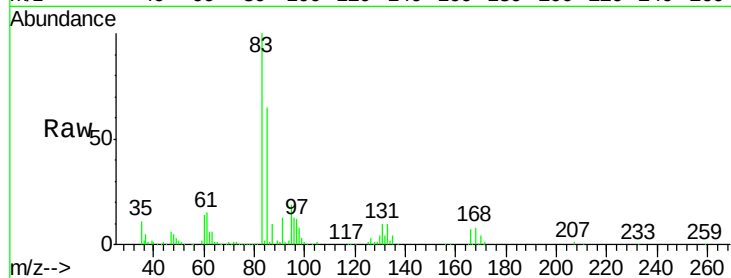
ClientSampleId :

ICVVF071718

Tot Ion:	83	Resp:	145607
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.7	17.1
85	65.2	31.9	95.9

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#76

1,2,3-Trichloropropane

Concen: 47.71 ug/l

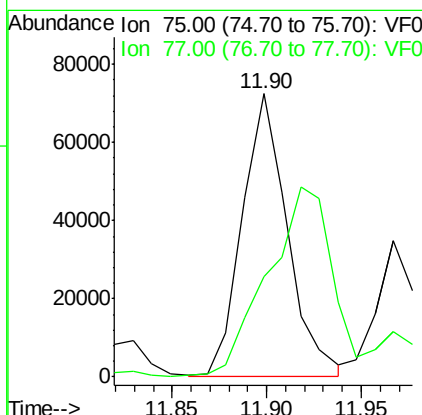
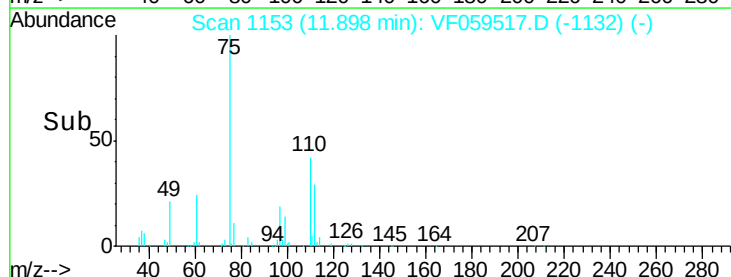
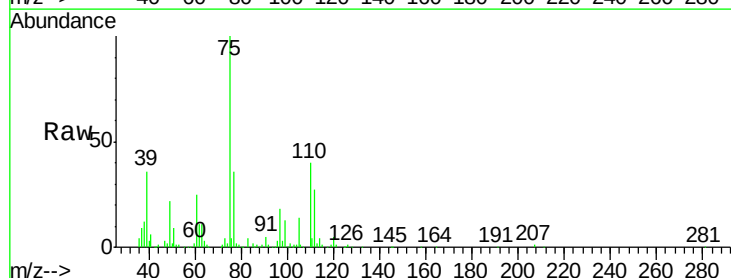
RT: 11.90 min Scan# 1153

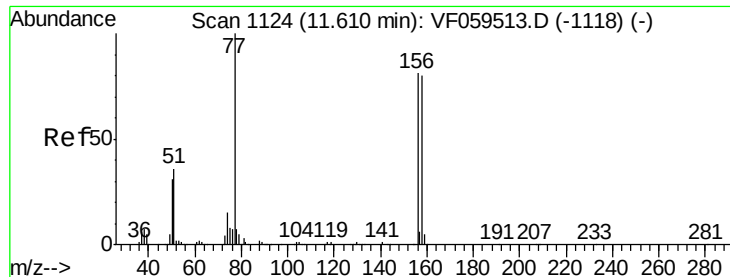
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	75	Resp:	118945
Ion Ratio	Lower	Upper	
75	100		
77	35.6	18.7	56.1





#77

Bromobenzene

Concen: 47.84 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

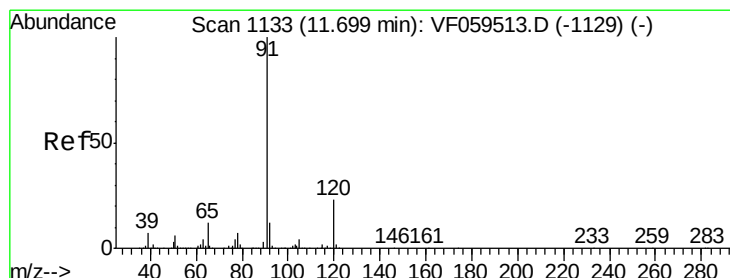
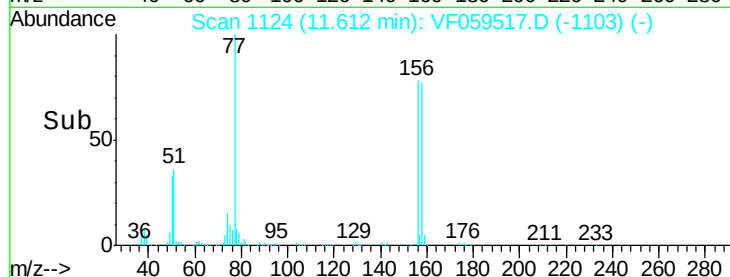
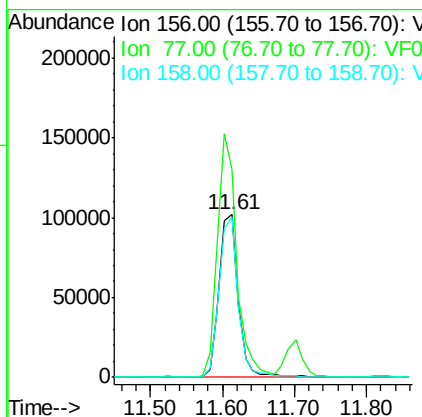
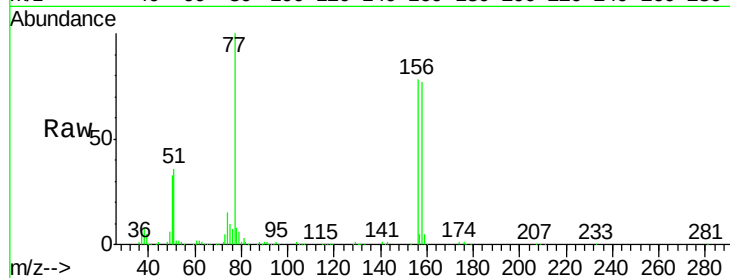
ClientSampleId :

ICVVF071718

Tot Ion	Ratio	Lower	Upper
156	100		
77	127.7	62.0	186.0
158	98.4	49.8	149.3

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#78

n-propylbenzene

Concen: 48.13 ug/l

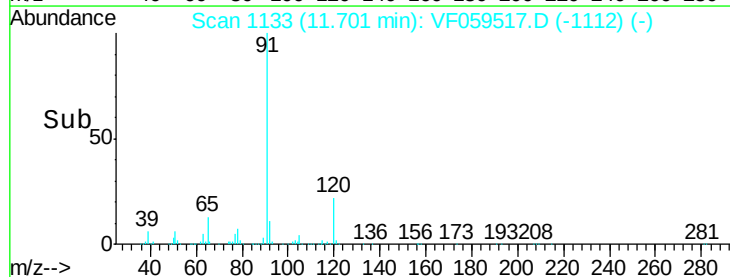
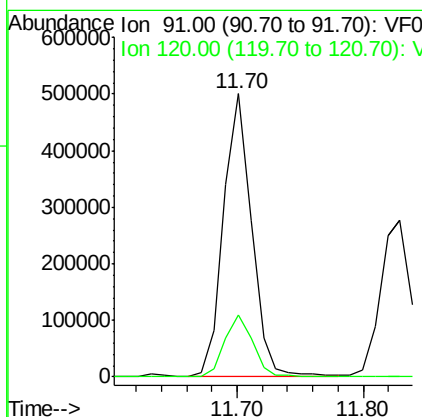
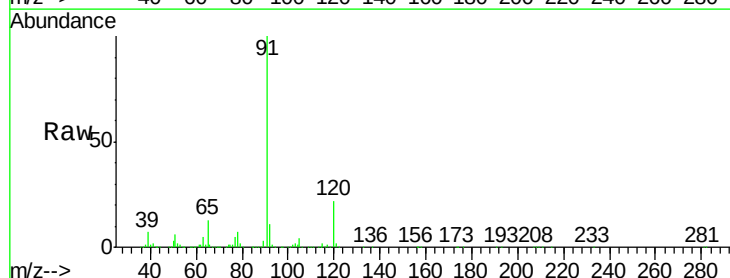
RT: 11.70 min Scan# 1133

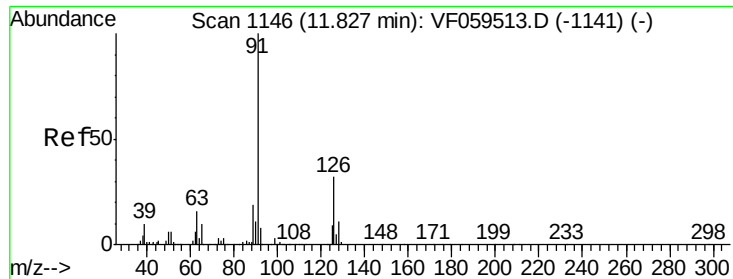
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.9





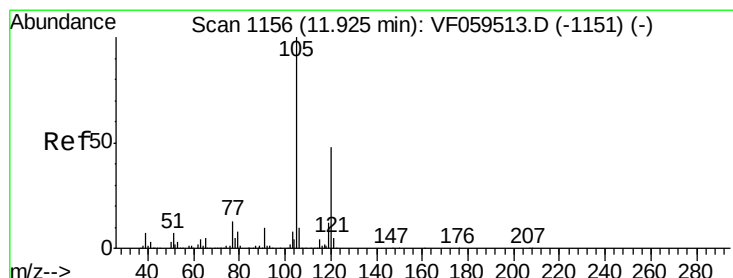
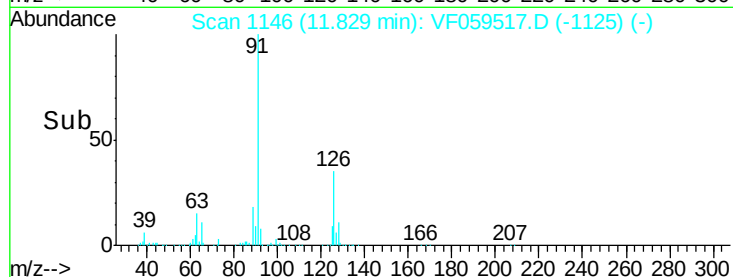
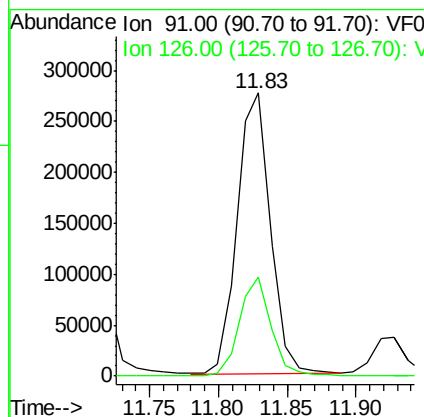
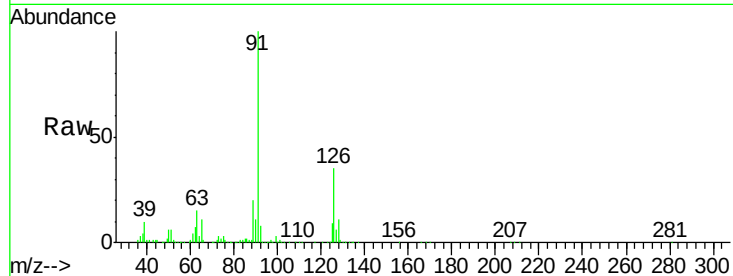
#79
 2-Chlorotoluene
 Concen: 46.85 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF071718

Tot Ion: 91 Resp: 463345
 Ion Ratio Lower Upper
 91 100
 126 34.8 15.7 47.1

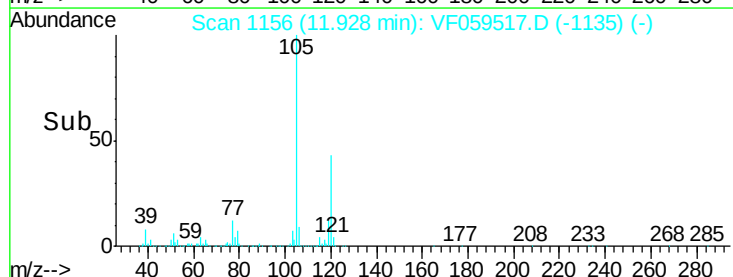
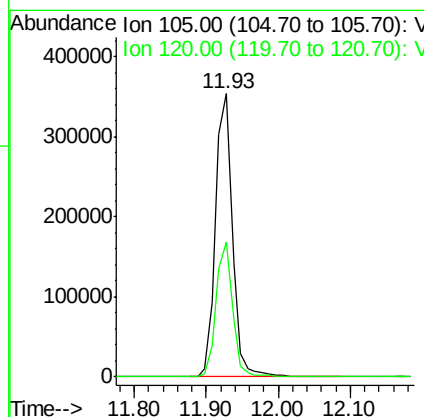
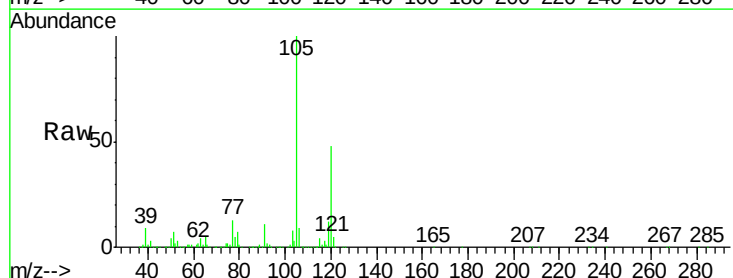
Manual Integrations
 APPROVED

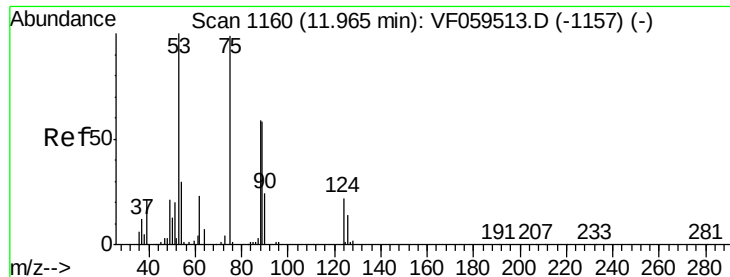
apatel
 7/18/2018 3:16:24 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.44 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion: 105 Resp: 568074
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 46.22 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

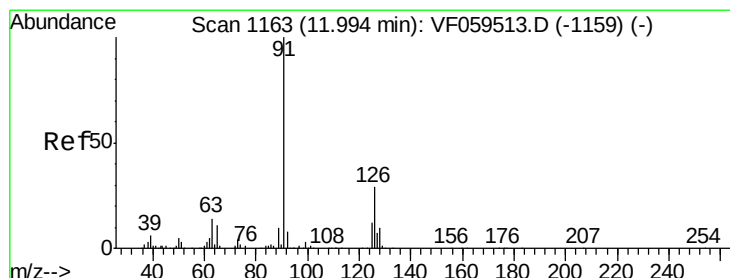
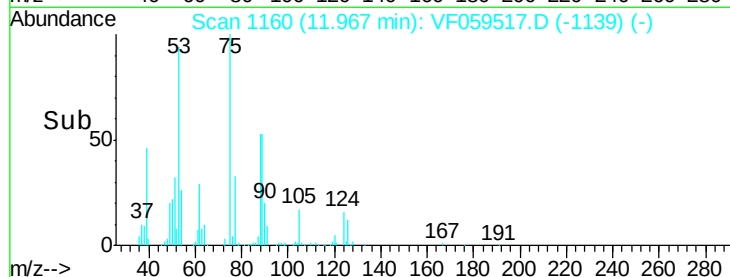
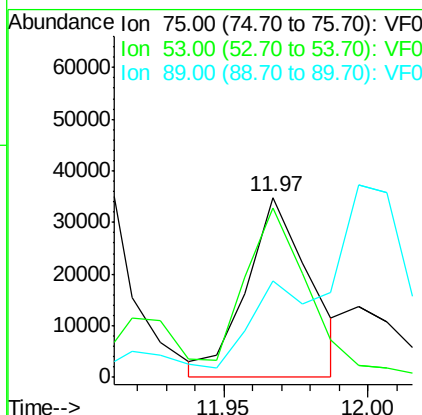
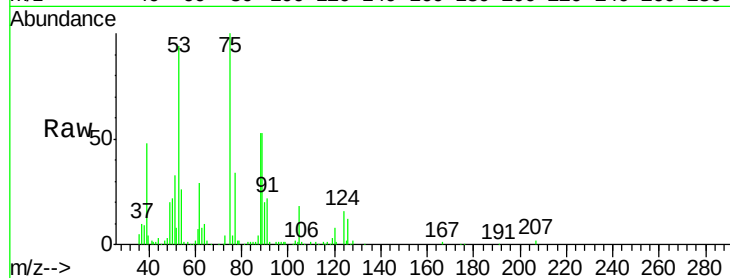
ClientSampleId :

ICVVF071718

Tot Ion:	75	Resp:	52631
Ion Ratio	Lower	Upper	
75	100		
53	94.3	84.6	127.0
89	53.5	48.2	72.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#82

4-Chlorotoluene

Concen: 47.80 ug/l

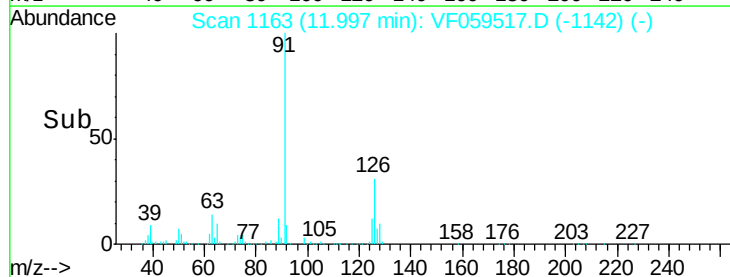
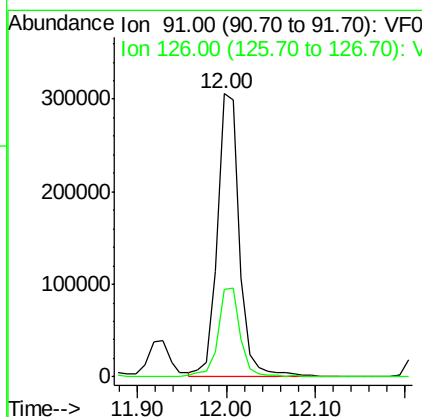
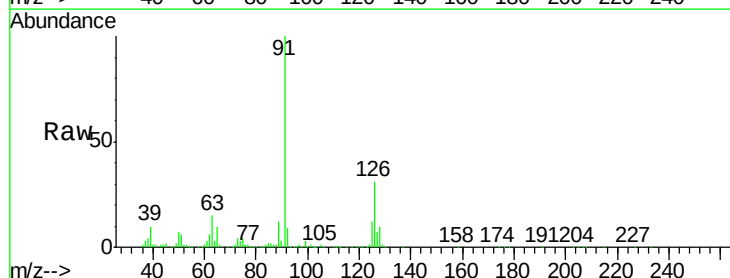
RT: 12.00 min Scan# 1163

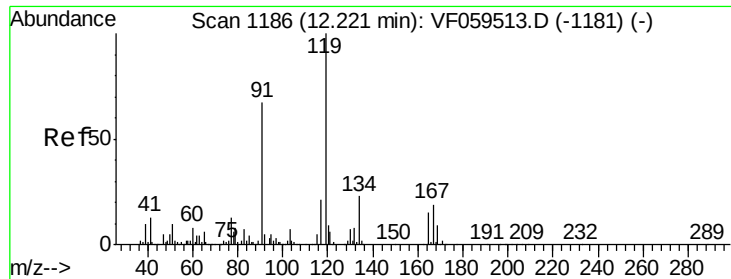
Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Tgt Ion:	91	Resp:	529667
Ion Ratio	Lower	Upper	
91	100		
126	31.0	14.4	43.4





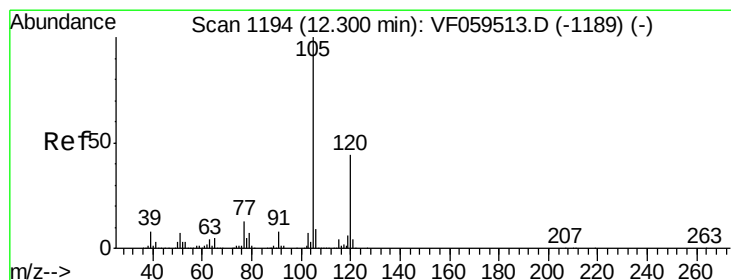
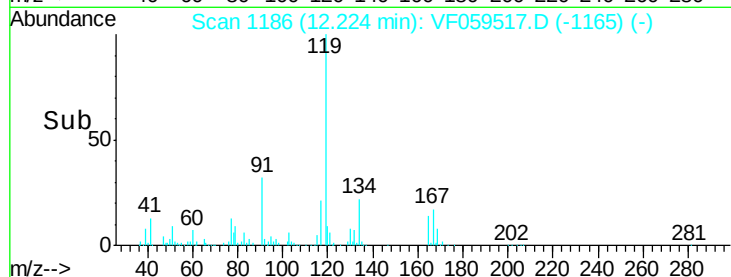
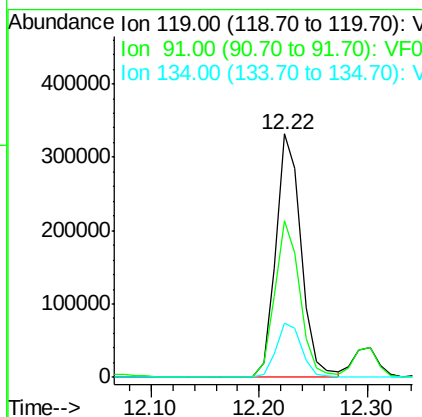
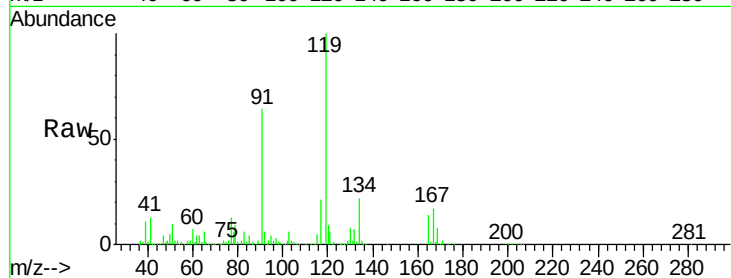
#83
 tert-Butylbenzene
 Concen: 48.42 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF071718

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	33.5	100.5
134	22.0	11.3	33.8

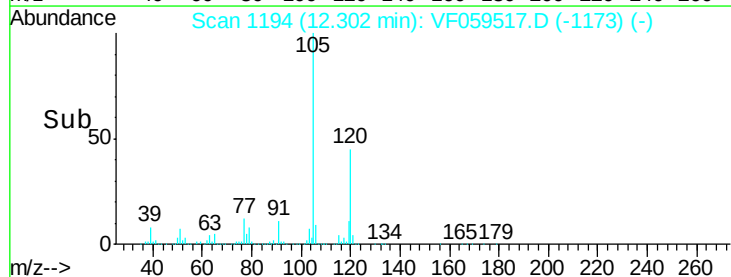
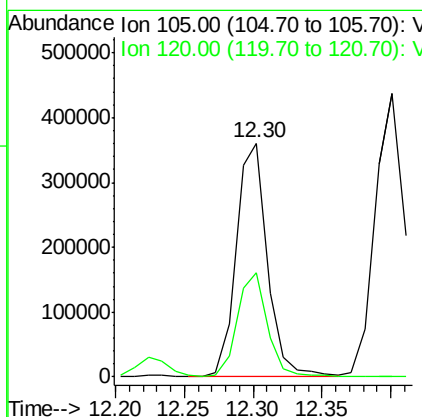
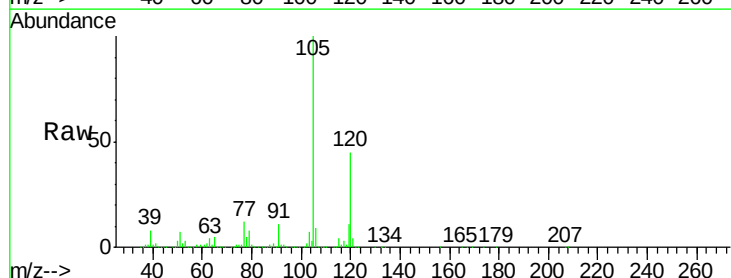
Manual Integrations
 APPROVED

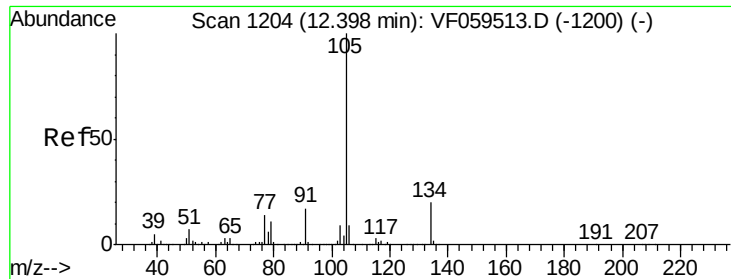
apatel
 7/18/2018 3:16:24 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.98 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.5	67.5





#85

sec-Butylbenzene

Concen: 47.14 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

Instrument :

MSVOA_F

ClientSampleId :

ICVVF071718

Tot Ion:105 Resp: 674855

Ion Ratio Lower Upper

105 100

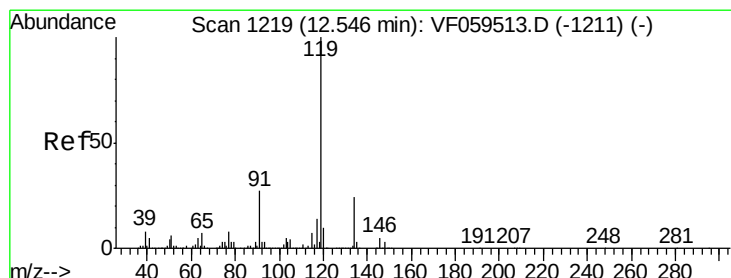
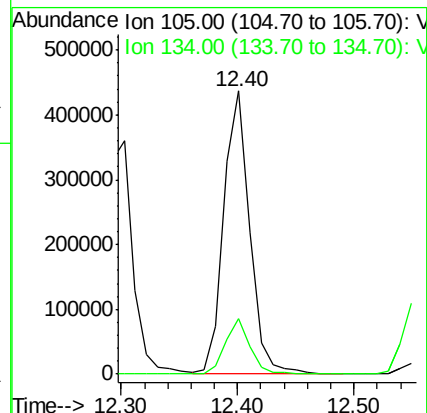
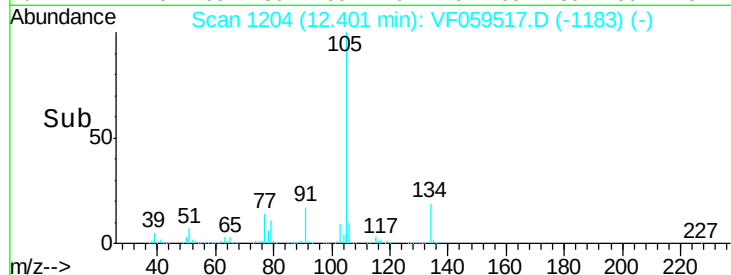
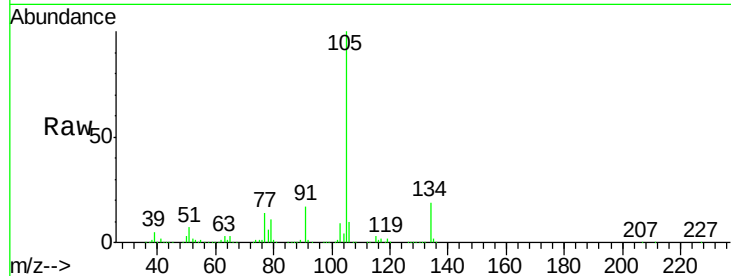
134 19.5 10.1 30.1

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:24 PM



#86

p-Isopropyltoluene

Concen: 48.51 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059517.D

Acq: 17 Jul 2018 20:18

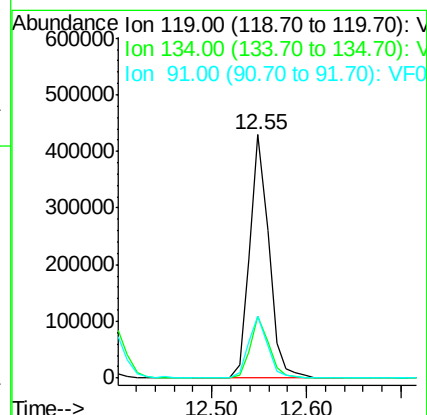
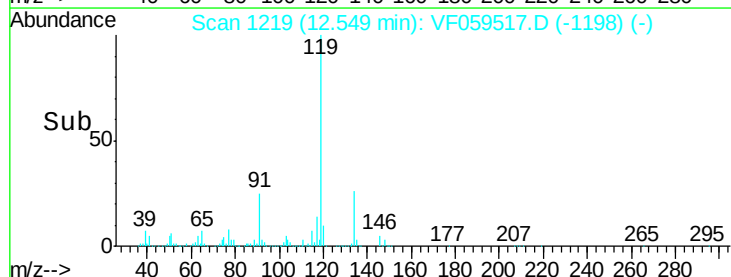
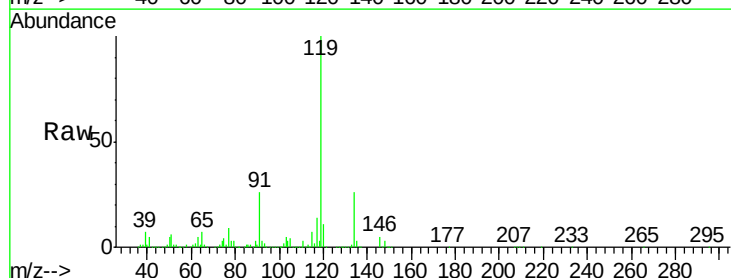
Tgt Ion:119 Resp: 604142

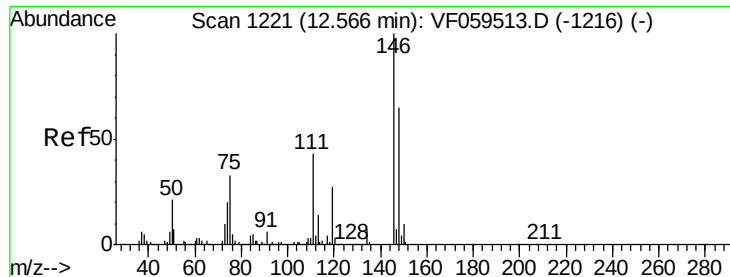
Ion Ratio Lower Upper

119 100

134 25.5 12.0 36.0

91 25.6 13.5 40.4





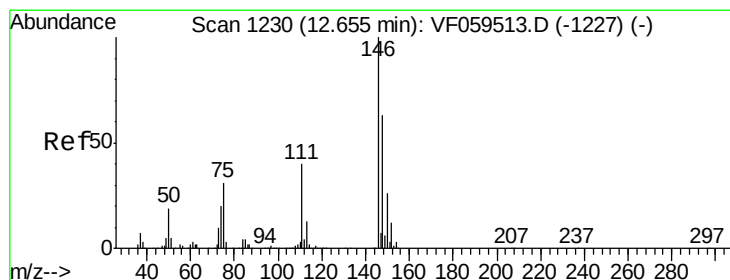
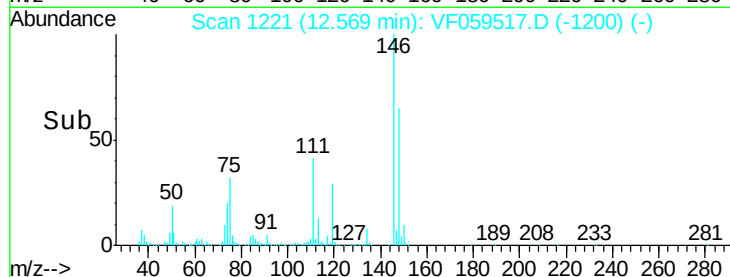
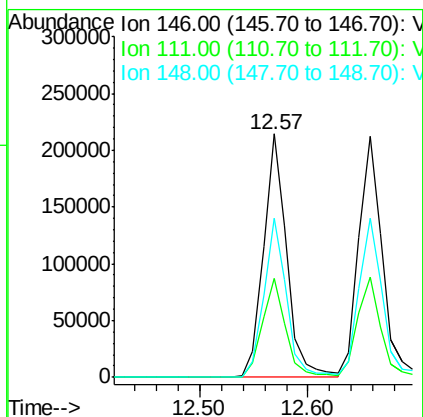
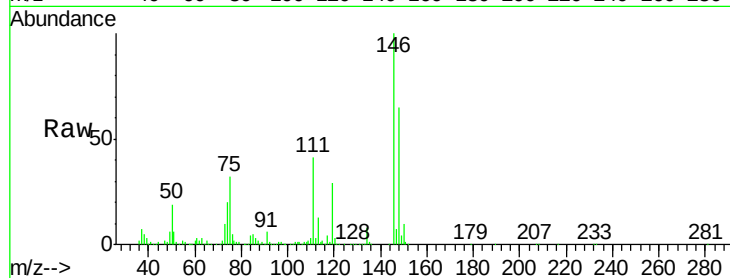
#87
 1,3-Dichlorobenzene
 Concen: 48.23 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF071718

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.4	64.3
148	65.1	32.7	98.1

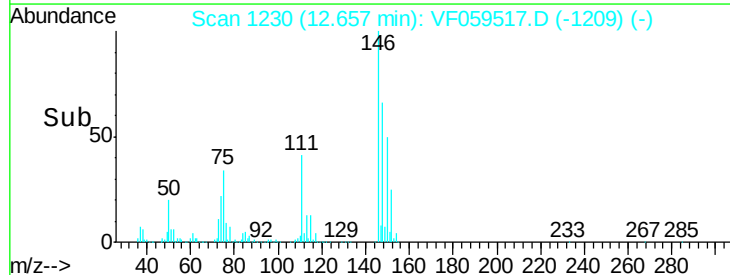
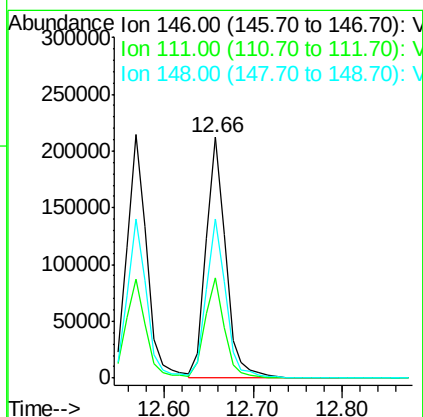
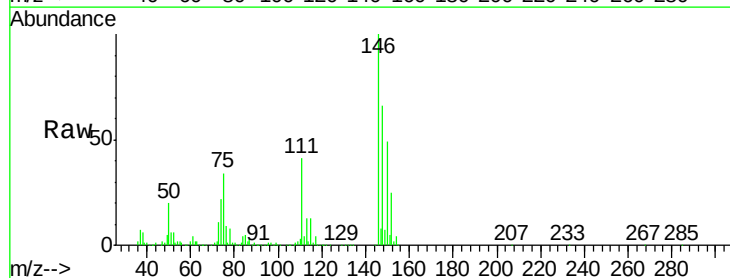
Manual Integrations
 APPROVED

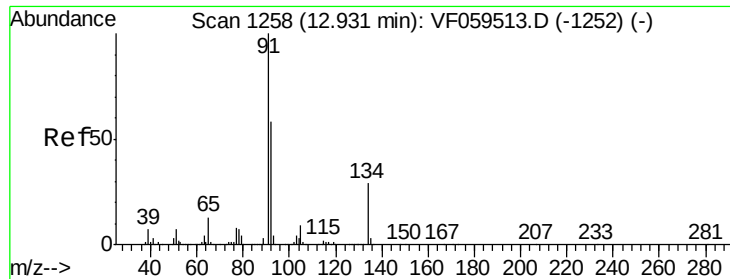
apatel
 7/18/2018 3:16:24 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.58 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	59.9
148	65.8	31.5	94.5





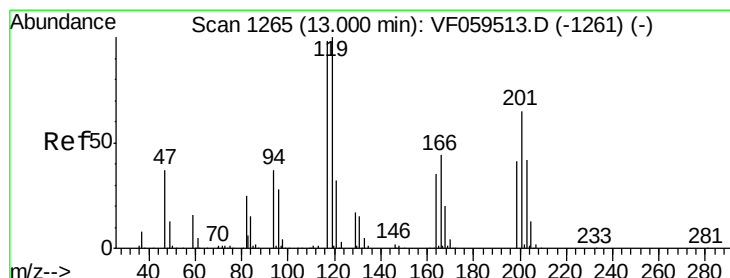
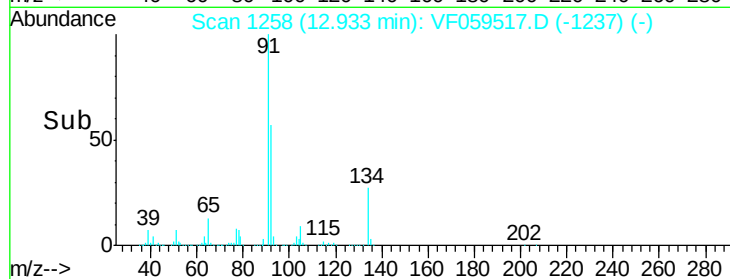
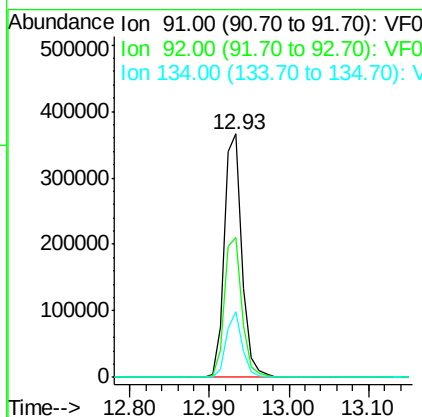
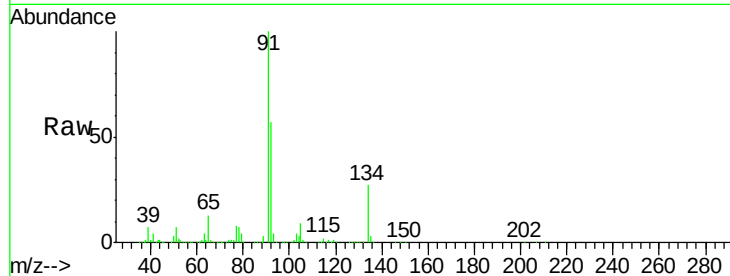
#89
n-Butylbenzene
Concen: 48.90 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.3	29.1	87.3
134	26.8	14.3	42.9

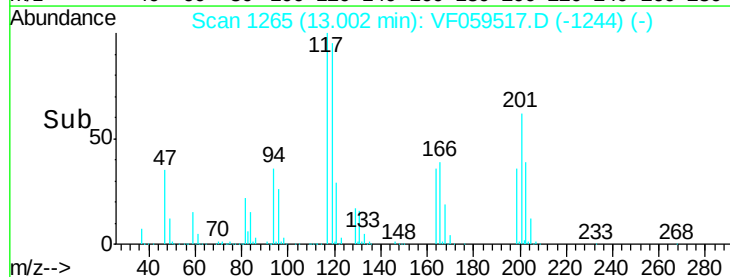
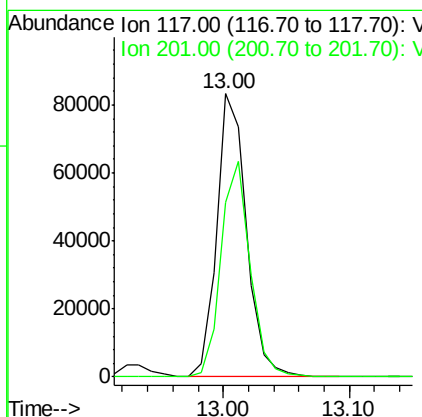
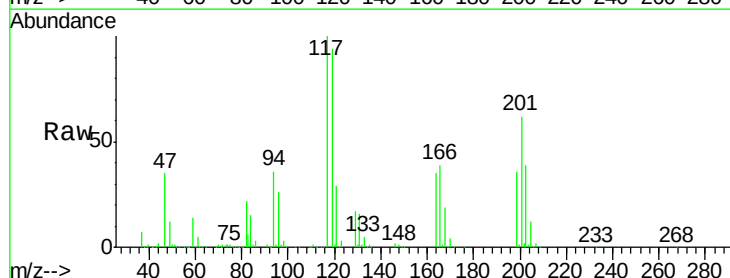
Manual Integrations
APPROVED

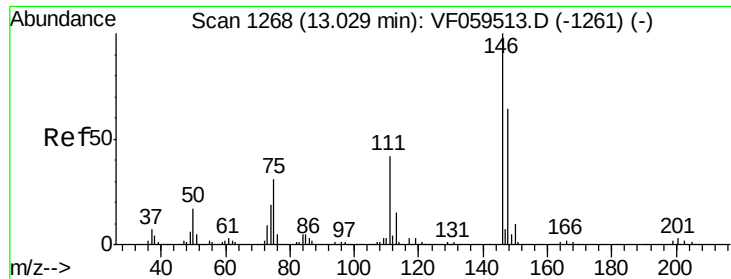
apatel
7/18/2018 3:16:24 PM



#90
Hexachloroethane
Concen: 48.06 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.3	32.6	98.0





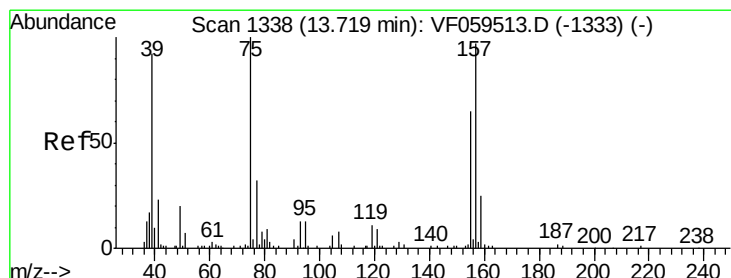
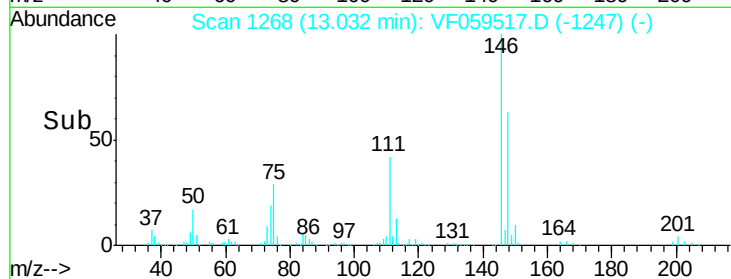
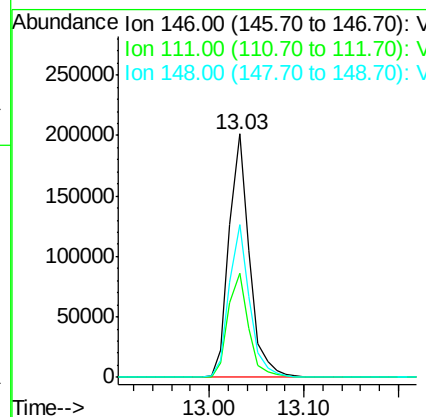
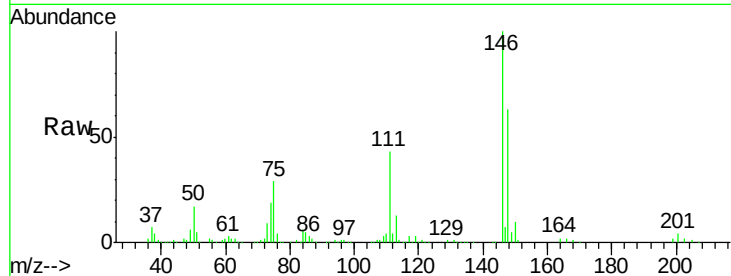
#91
 1,2-Dichlorobenzene
 Concen: 46.58 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF071718

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.1
148	62.6	32.3	96.8

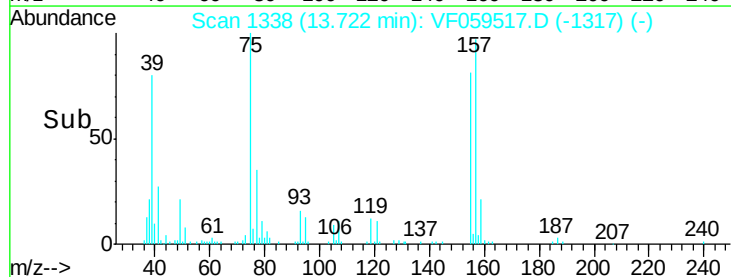
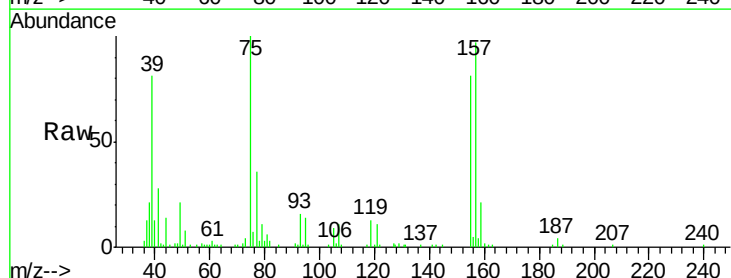
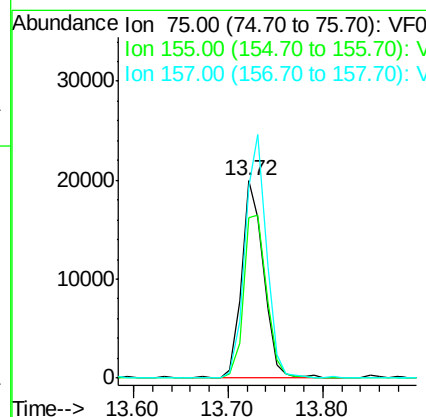
Manual Integrations
 APPROVED

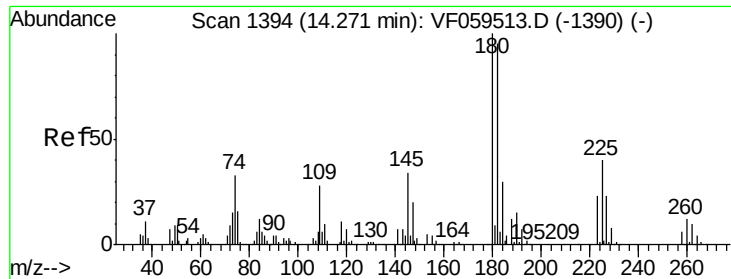
apatel
 7/18/2018 3:16:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.64 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	32.8	98.3
157	97.1	48.5	145.5





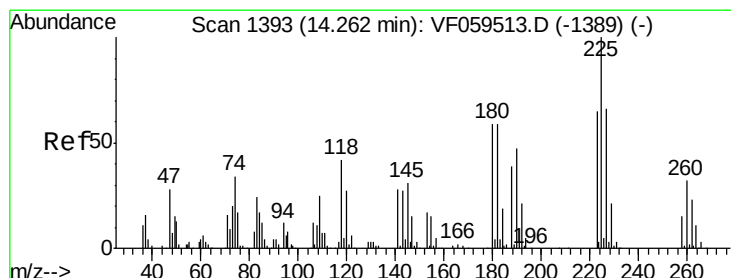
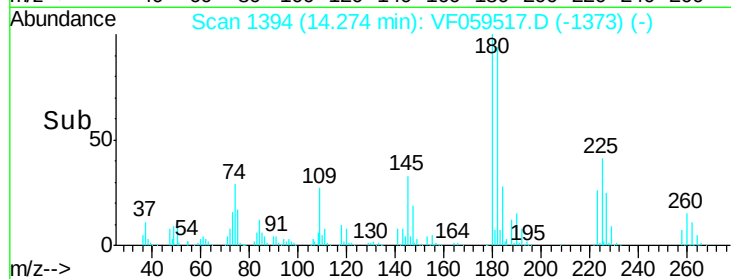
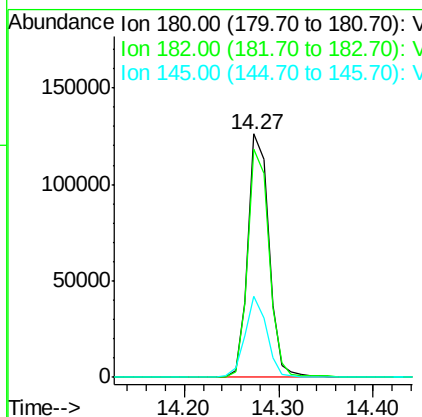
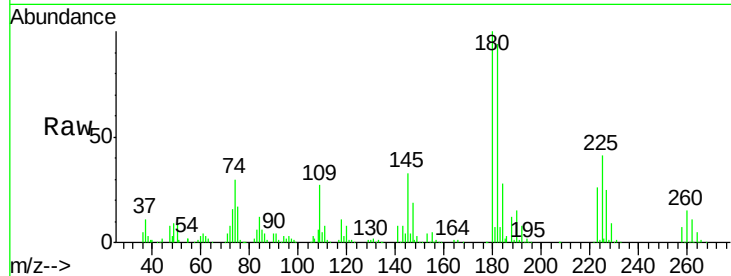
#93
 1,2,4-Trichlorobenzene
 Concen: 50.25 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV071718

Tot Ion	Ratio	Resp	Lower	Upper
180	100	196530		
182	93.7	47.5	142.5	
145	33.3	17.3	51.7	

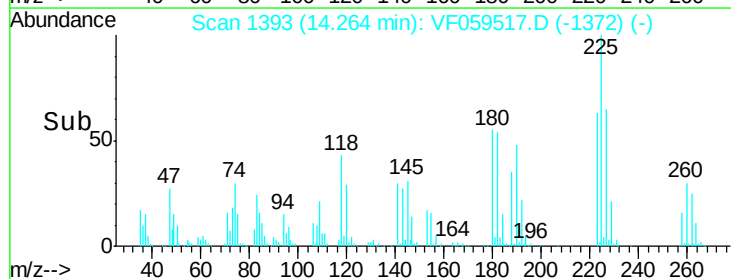
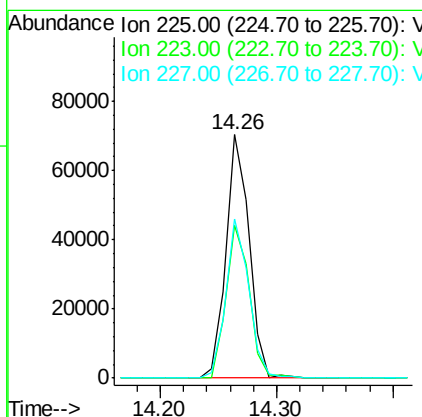
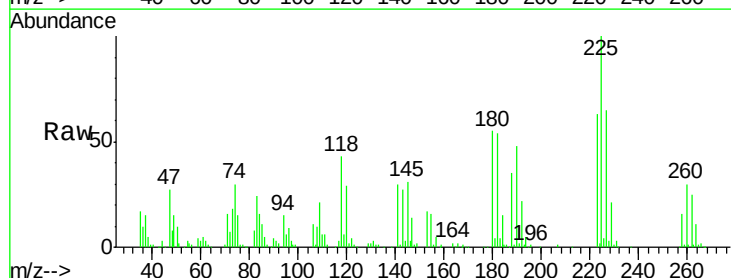
Manual Integrations
 APPROVED

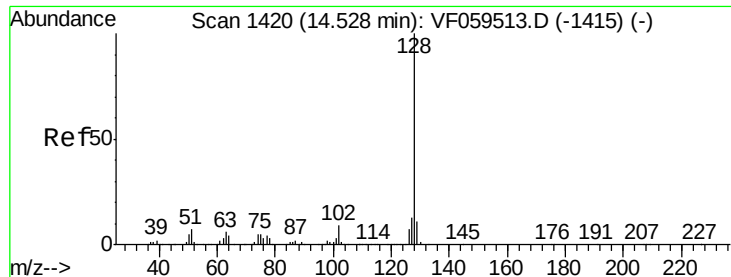
apatel
 7/18/2018 3:16:24 PM



#94
 Hexachlorobutadiene
 Concen: 48.46 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059517.D
 Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97092		
223	62.6	32.3	96.8	
227	65.4	33.2	99.6	





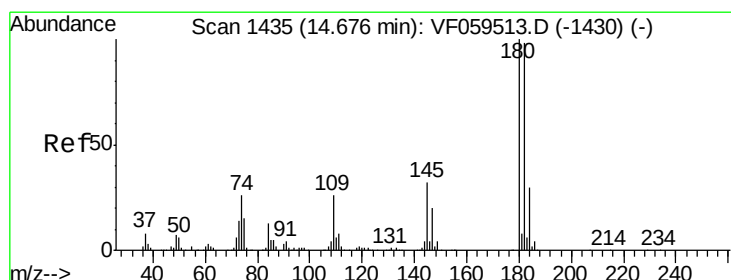
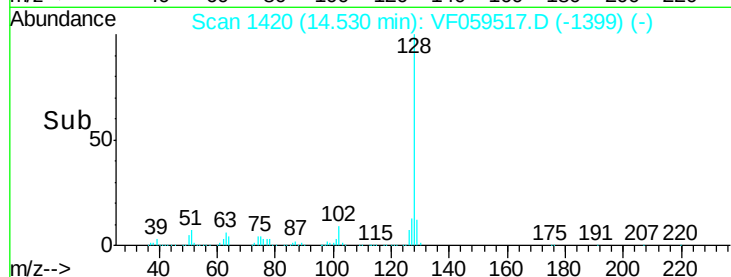
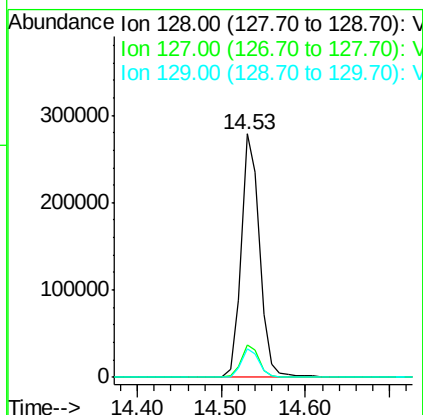
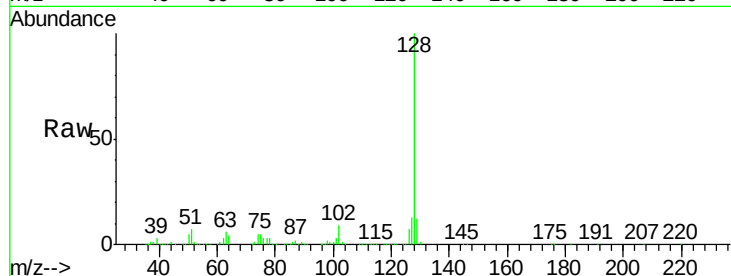
#95
Naphthalene
Concen: 52.02 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Instrument :
MSVOA_F
ClientSampleId :
ICVVF071718

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.7	9.0	13.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.27 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059517.D
Acq: 17 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.8	146.4
145	31.1	16.2	48.6

