

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059513.D
 Acq On : 17 Jul 2018 18:01
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:08 PM

Quant Time: Jul 18 02:23:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	258284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	377722	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	379931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	223641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	201775	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	4.31	113	168303	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	7.73	98	424340	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.52	95	215715	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	138335	47.06	ug/l	100
3) Chloromethane	1.09	50	71937	43.41	ug/l	100
4) Vinyl Chloride	1.15	62	79114	45.83	ug/l	100
5) Bromomethane	1.34	94	52063	43.31	ug/l	100
6) Chloroethane	1.44	64	39671	43.92	ug/l	100
7) Trichlorofluoromethane	1.54	101	198173	50.02	ug/l	100
8) Diethyl Ether	1.70	74	40528	51.06	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	76551	40.68	ug/l	100
10) Methyl Iodide	1.98	142	141507	44.61	ug/l	100
11) Tert butyl alcohol	2.69	59	45777	253.17	ug/l	100
12) 1,1-Dichloroethene	1.86	96	80698	44.40	ug/l	100
13) Acrolein	2.10	56	19634	194.36	ug/l	100
14) Allyl chloride	2.20	41	106718	44.76	ug/l	100
15) Acrylonitrile	3.08	53	84203	252.35	ug/l	100
16) Acetone	2.34	43	172811	260.97	ug/l	100
17) Carbon Disulfide	1.88	76	216420	43.86	ug/l	100
18) Methyl Acetate	2.45	43	67934	49.97	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	307612	51.74	ug/l	100
20) Methylene Chloride	2.34	84	88413m	37.29	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	81659	49.32	ug/l	100
22) Diisopropyl ether	2.94	45	338392	49.51	ug/l	100
23) Vinyl Acetate	3.35	43	979357	246.59	ug/l	100
24) 1,1-Dichloroethane	3.01	63	197351	50.87	ug/l	100
25) 2-Butanone	4.53	43	237933	247.20	ug/l	100
26) 2,2-Dichloropropane	3.77	77	135381	51.99	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	103730	45.83	ug/l	100
28) Bromochloromethane	3.90	49	96952	53.89	ug/l	100
29) Tetrahydrofuran	4.28	42	102674	248.33	ug/l	100
30) Chloroform	4.05	83	293347	50.34	ug/l	100
31) Cyclohexane	3.87	56	96379	43.98	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	187952	46.50	ug/l	100
36) 1,1-Dichloropropene	4.47	75	179124	46.57	ug/l	100
37) Ethyl Acetate	4.32	43	113089	48.03	ug/l	100
38) Carbon Tetrachloride	4.18	117	197147	44.20	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059513.D
 Acq On : 17 Jul 2018 18:01
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:08 PM

Quant Time: Jul 18 02:23:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	130466	45.04	ug/l	100
40) Benzene	4.82	78	348165	46.58	ug/l	100
41) Methacrylonitrile	4.95	41	52249	46.03	ug/l	100
42) 1,2-Dichloroethane	5.13	62	234283	48.97	ug/l	100
43) Isopropyl Acetate	7.12	43	133545	47.36	ug/l	100
44) Trichloroethene	5.69	130	127361	47.27	ug/l	100
45) 1,2-Dichloropropane	6.42	63	100185	47.26	ug/l	100
46) Dibromomethane	6.27	93	91035	48.07	ug/l	100
47) Bromodichloromethane	6.56	83	236565	48.89	ug/l	100
48) Methyl methacrylate	6.89	41	97518	47.99	ug/l	100
49) 1,4-Dioxane	6.90	88	9008	980.12	ug/l	100
51) 4-Methyl-2-Pentanone	8.43	43	488053	246.74	ug/l	100
52) Toluene	7.80	92	245872	45.75	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	215454	50.38	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	219064	49.37	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	104092	48.63	ug/l	100
56) Ethyl methacrylate	8.77	69	129829	48.16	ug/l	100
57) 1,3-Dichloropropane	9.02	76	174215	47.84	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	53912	239.47	ug/l	100
59) 2-Hexanone	9.65	43	381798	246.02	ug/l	100
60) Dibromochloromethane	8.88	129	175730	50.58	ug/l	100
61) 1,2-Dibromoethane	9.16	107	122567	47.31	ug/l	100
64) Tetrachloroethene	8.32	164	129435	43.21	ug/l	100
65) Chlorobenzene	9.95	112	331441	46.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	151681	46.88	ug/l	100
67) Ethyl Benzene	10.05	91	578634	45.38	ug/l	100
68) m/p-Xylenes	10.28	106	409750	89.72	ug/l	100
69) o-Xylene	10.84	106	220330	46.43	ug/l	100
70) Styrene	10.91	104	338301	45.06	ug/l	100
71) Bromoform	10.90	173	112064	47.51	ug/l	100
73) Isopropylbenzene	11.24	105	669411	46.92	ug/l	100
74) N-amyl acetate	11.47	43	220224	43.50	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	149711	47.85	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	118951	46.11	ug/l	100
77) Bromobenzene	11.61	156	188157	46.80	ug/l	100
78) n-propylbenzene	11.70	91	751709	45.51	ug/l	100
79) 2-Chlorotoluene	11.83	91	461214	46.20	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	555638	45.30	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	53204m	43.50	ug/l	
82) 4-Chlorotoluene	11.99	91	526910	45.56	ug/l	100
83) tert-Butylbenzene	12.22	119	545779	47.54	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	570609	46.57	ug/l	100
85) sec-Butylbenzene	12.40	105	686525	47.34	ug/l	100
86) p-Isopropyltoluene	12.55	119	593801	46.29	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	318640	46.29	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	310487	46.61	ug/l	100
89) n-Butylbenzene	12.93	91	562040	47.72	ug/l	100
90) Hexachloroethane	13.00	117	128636	44.54	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	301848	47.04	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	33893	48.79	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
Data File : VF059513.D
Acq On : 17 Jul 2018 18:01
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

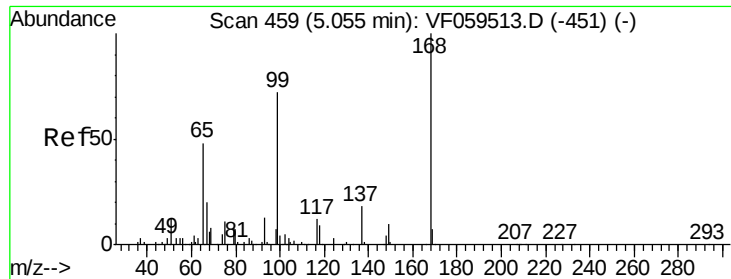
Manual Integrations
APPROVED

apatel
7/18/2018 3:16:08 PM

Quant Time: Jul 18 02:23:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 01:41:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	187681	46.77	ug/l	100
94) Hexachlorobutadiene	14.26	225	92224	51.93	ug/l	100
95) Naphthalene	14.53	128	400528	46.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	163972	46.84	ug/l	100

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



#1

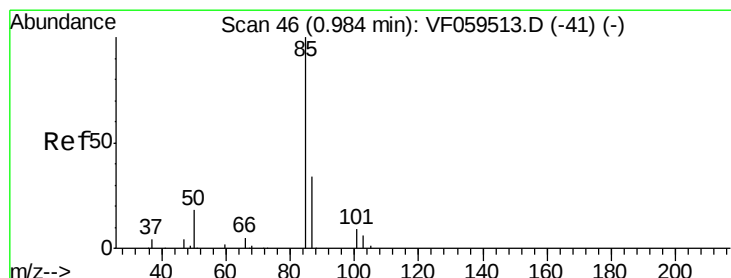
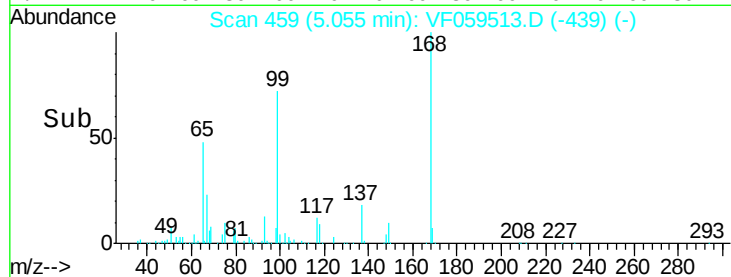
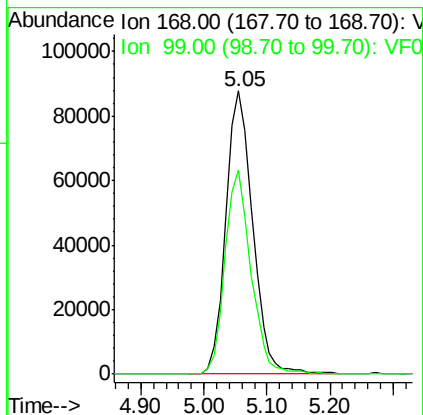
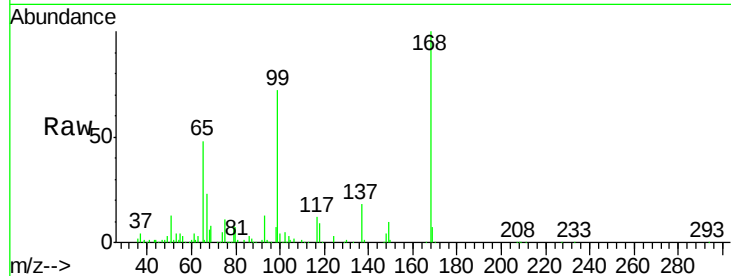
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.05 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	72.0	57.6	86.4

Manual Integrations
 APPROVED

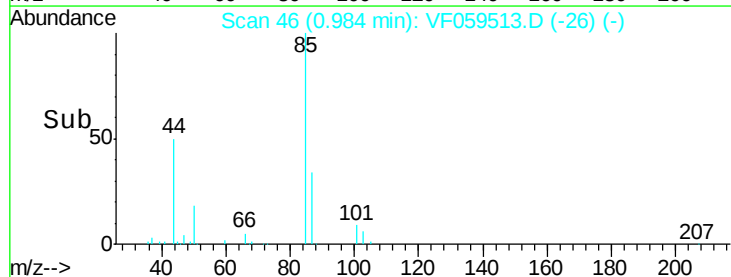
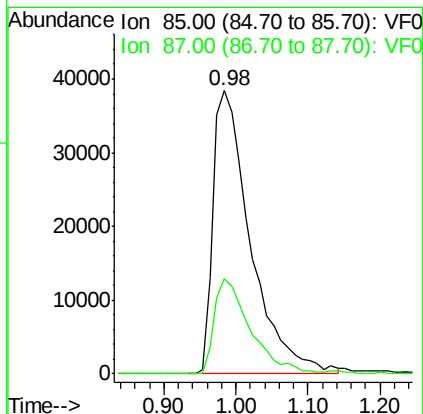
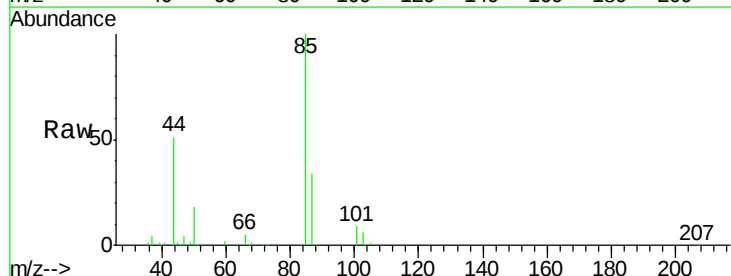
apatel
 7/18/2018 3:16:08 PM

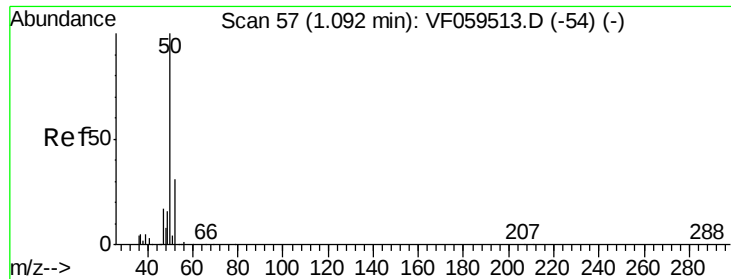


#2

Dichlorodifluoromethane
 Concen: 47.06 ug/l
 RT: 0.98 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.9	50.6





#3

Chloromethane

Concen: 43.41 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 71937

Ion Ratio Lower Upper

50 100

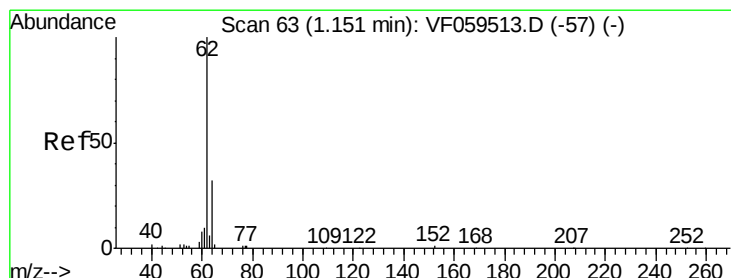
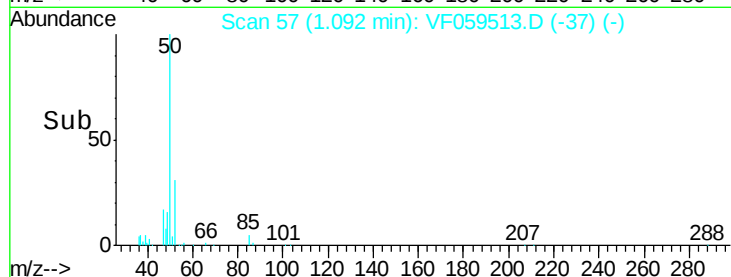
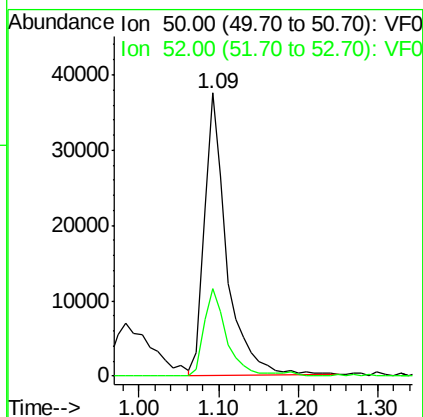
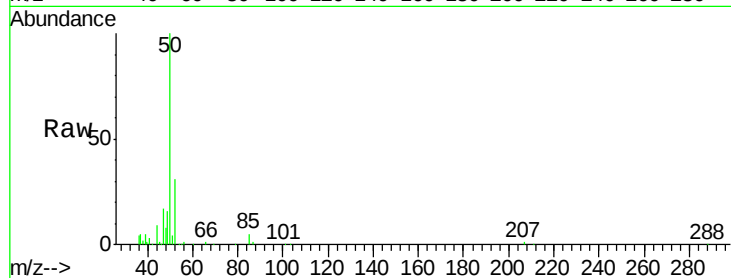
52 30.8 24.6 37.0

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:08 PM



#4

Vinyl Chloride

Concen: 45.83 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059513.D

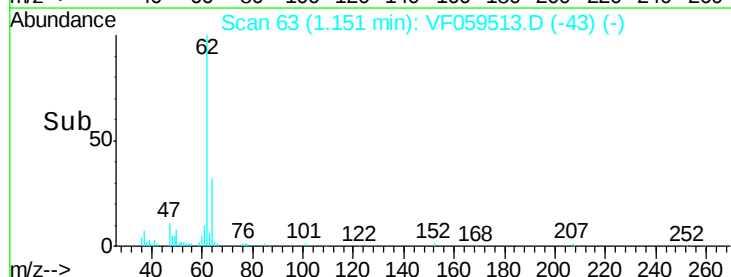
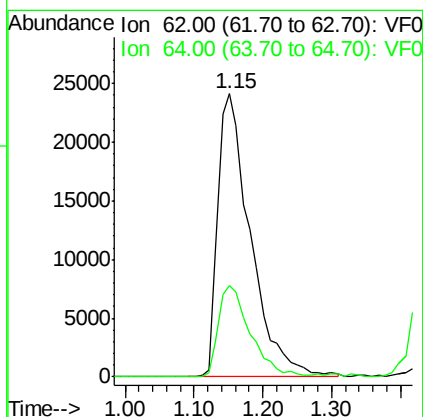
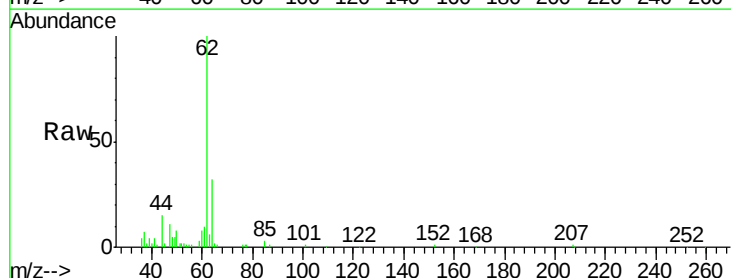
Acq: 17 Jul 2018 18:01

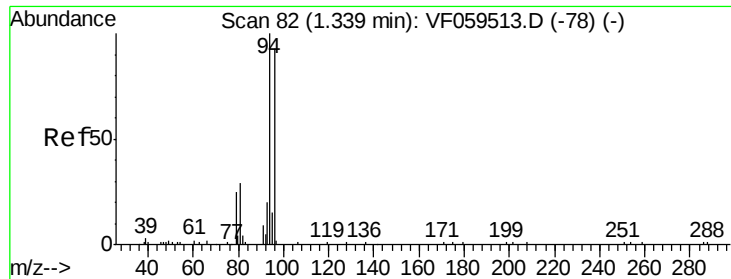
Tgt Ion: 62 Resp: 79114

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 43.31 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 52063

Ion Ratio Lower Upper

94 100

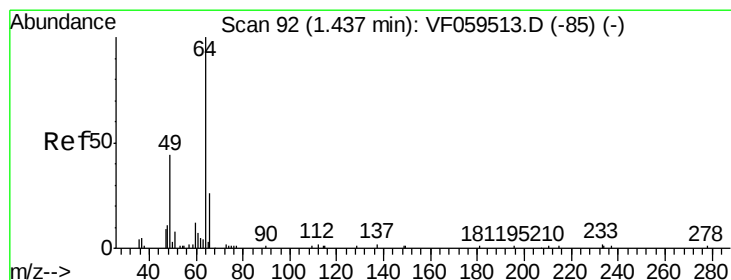
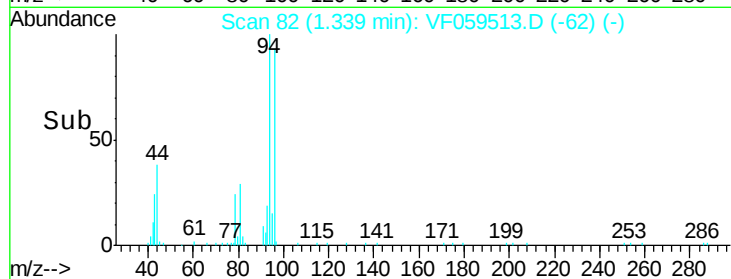
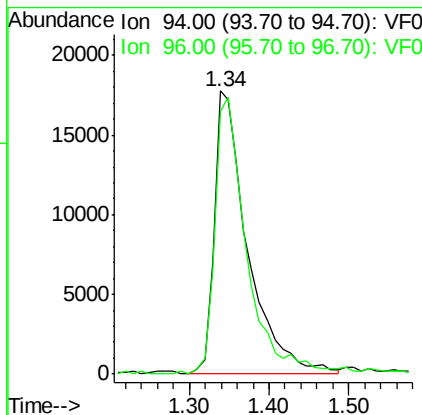
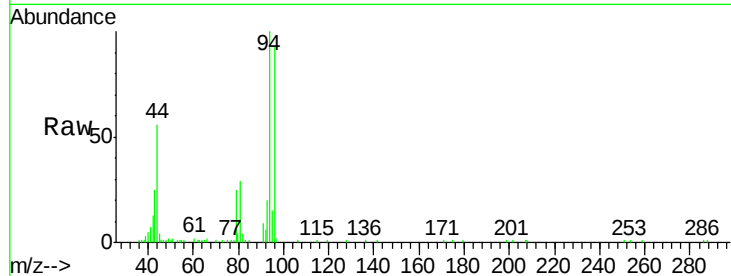
96 92.7 74.2 111.2

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:08 PM



#6

Chloroethane

Concen: 43.92 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF059513.D

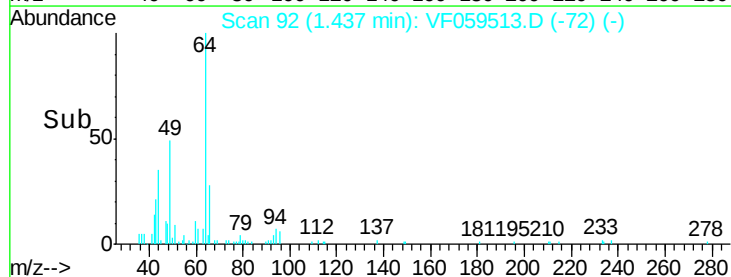
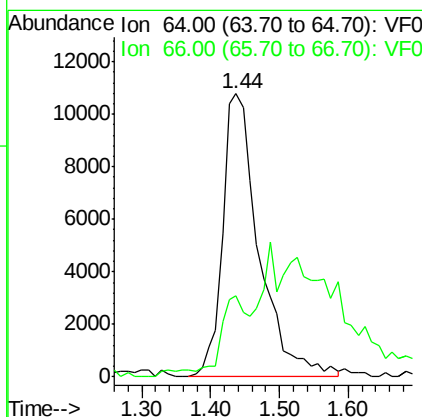
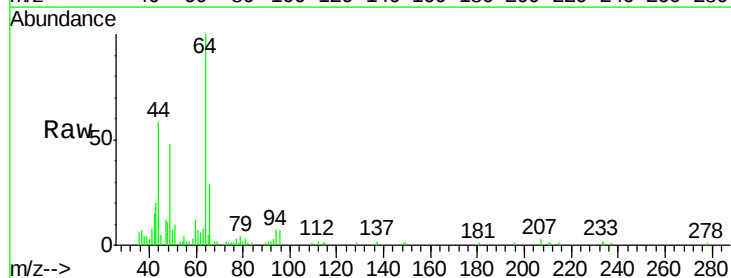
Acq: 17 Jul 2018 18:01

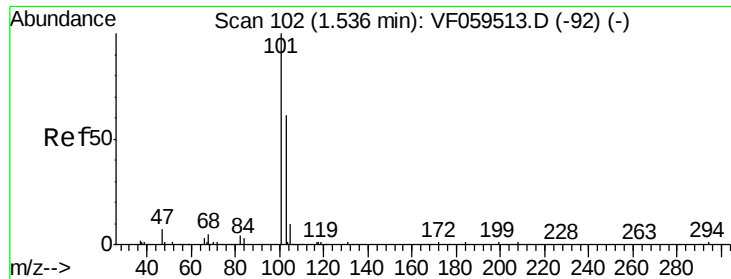
Tgt Ion: 64 Resp: 39671

Ion Ratio Lower Upper

64 100

66 28.6 22.9 34.3





#7

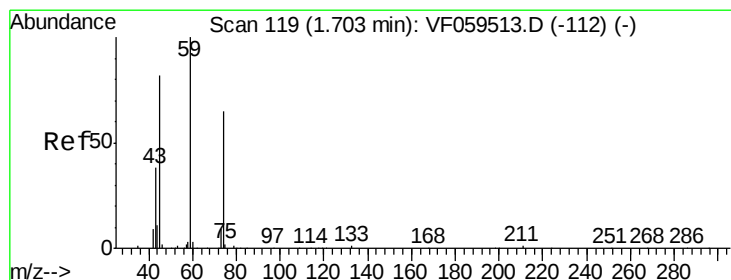
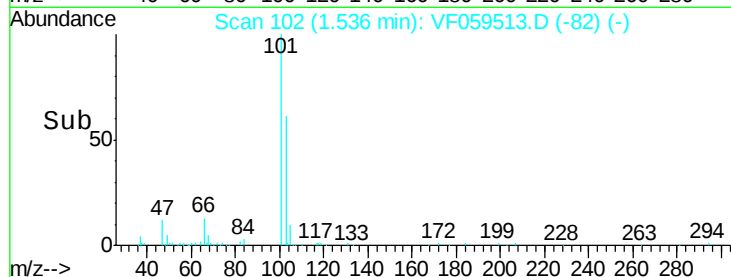
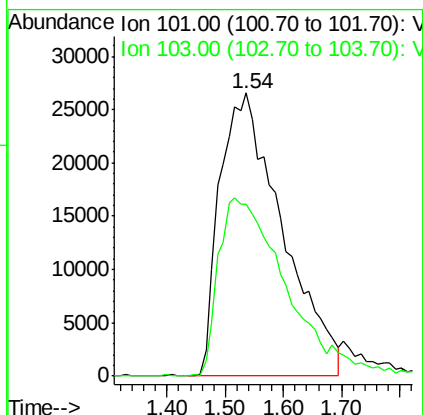
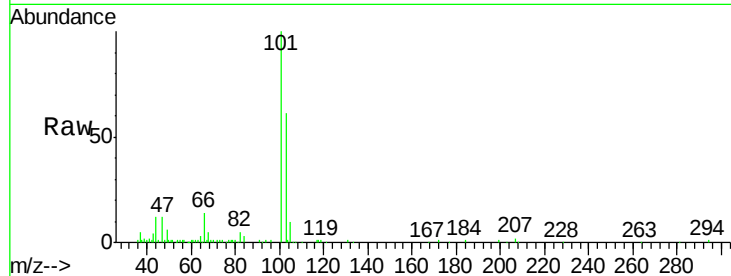
Trichlorofluoromethane
 Concen: 50.02 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	48.6	72.8

Manual Integrations
 APPROVED

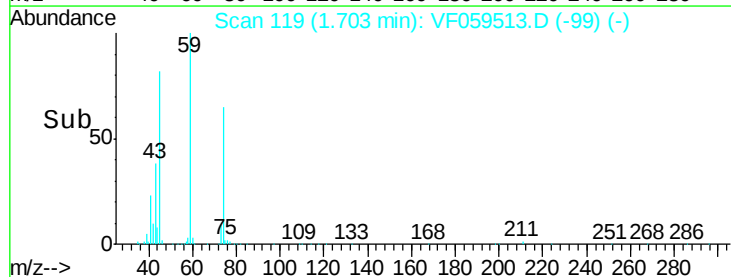
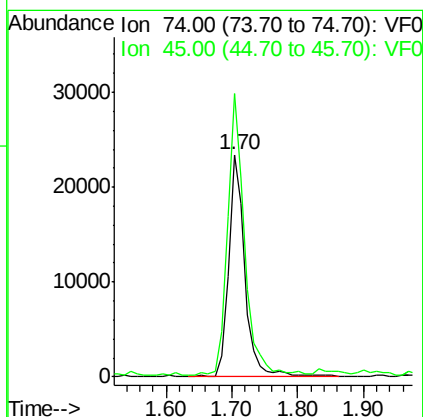
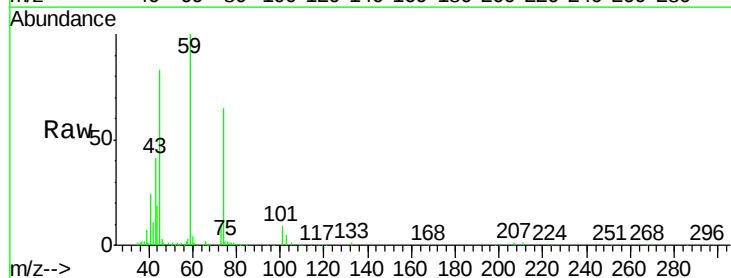
apatel
 7/18/2018 3:16:08 PM

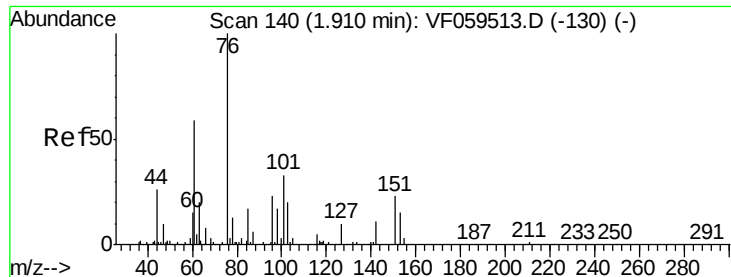


#8

Diethyl Ether
 Concen: 51.06 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	127.3	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.68 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

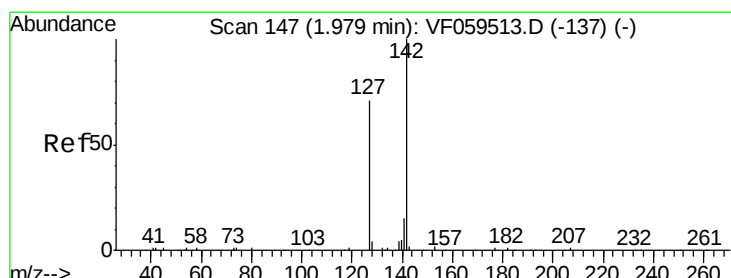
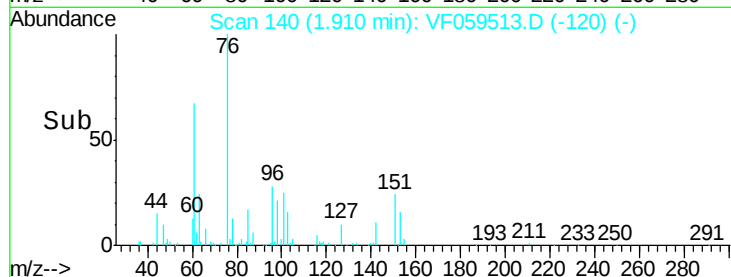
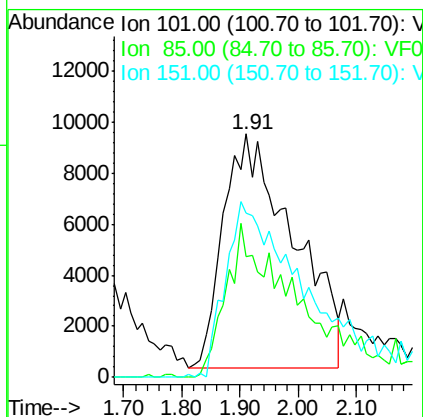
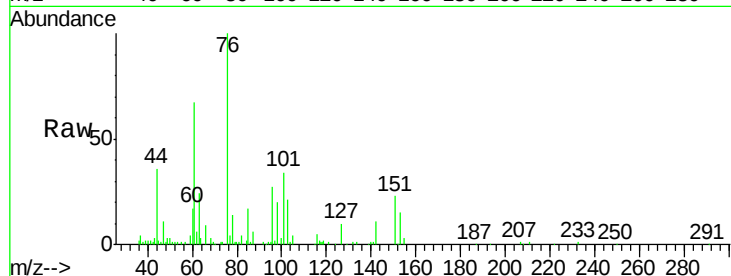
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	76551
Ion Ratio	Lower	Upper	
101	100		
85	49.7	39.8	59.6
151	67.7	54.2	81.2

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:08 PM



#10

Methyl Iodide

Concen: 44.61 ug/l

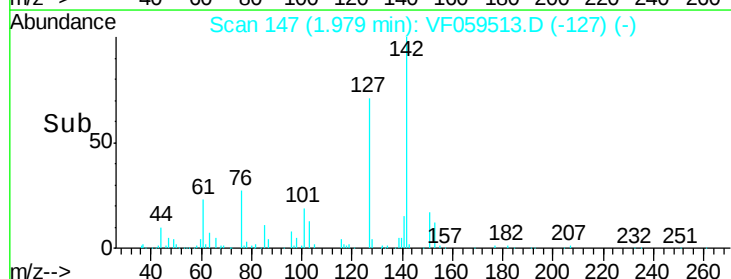
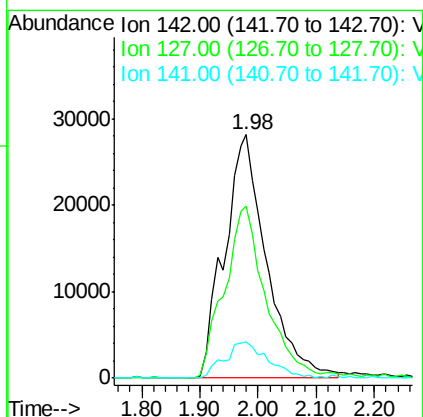
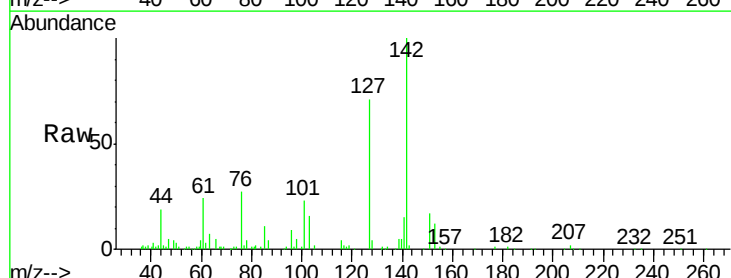
RT: 1.98 min Scan# 147

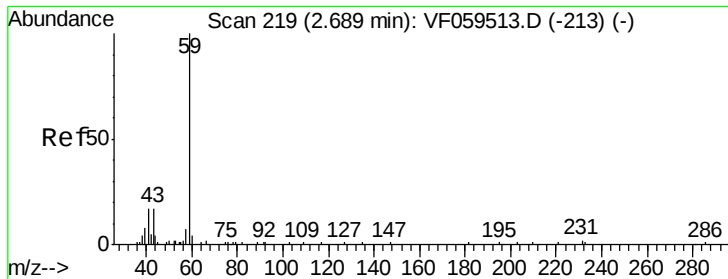
Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion:	142	Resp:	141507
Ion Ratio	Lower	Upper	
142	100		
127	70.5	56.4	84.6
141	15.0	12.0	18.0





#11

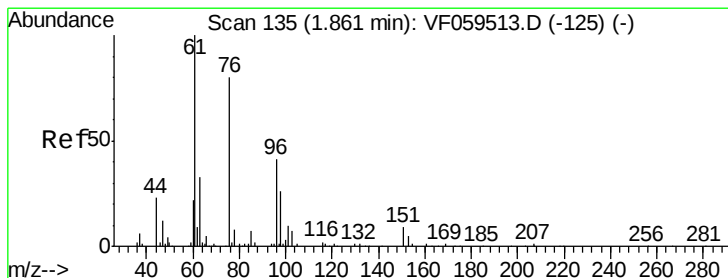
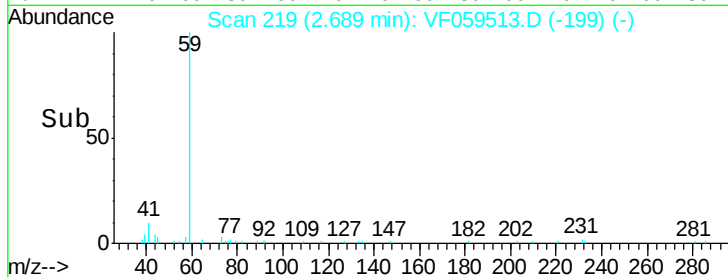
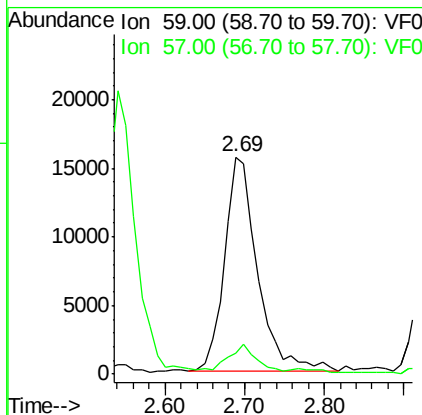
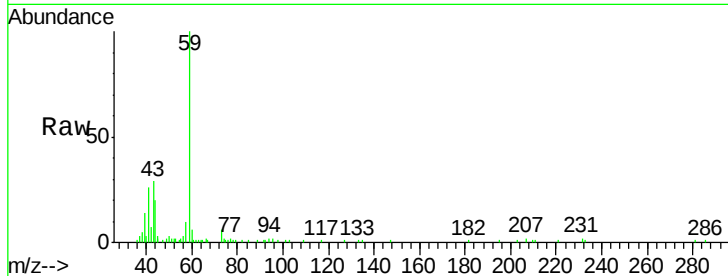
Tert butyl alcohol
Concen: 253.17 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.7	11.5

Manual Integrations
APPROVED

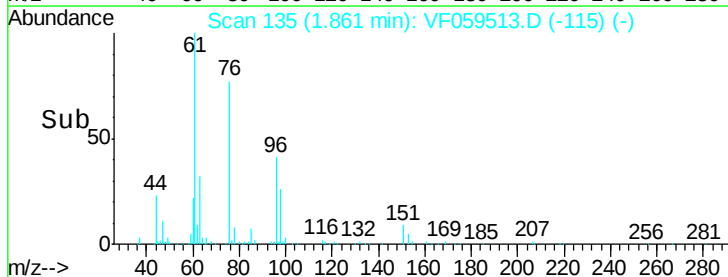
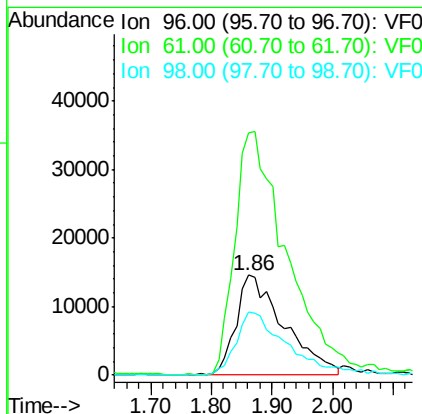
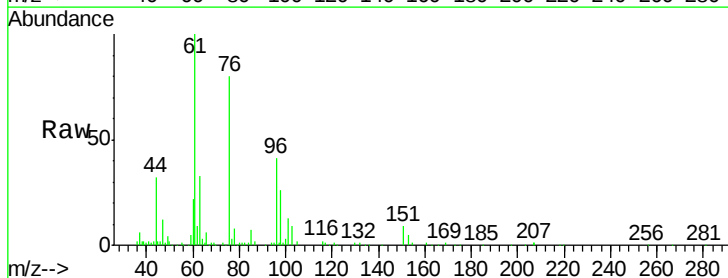
apatel
7/18/2018 3:16:08 PM

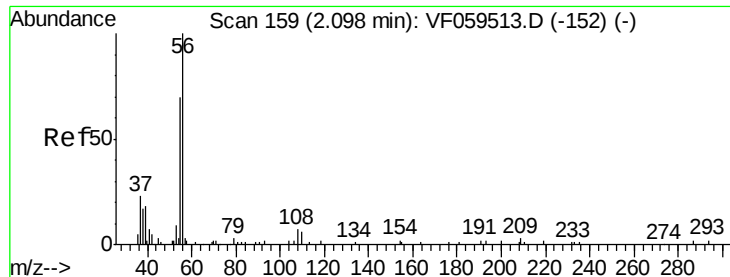


#12

1,1-Dichloroethene
Concen: 44.40 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	242.9	194.3	291.5
98	62.9	50.3	75.5





#13

Acrolein

Concen: 194.36 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 19634

Ion Ratio Lower Upper

56 100

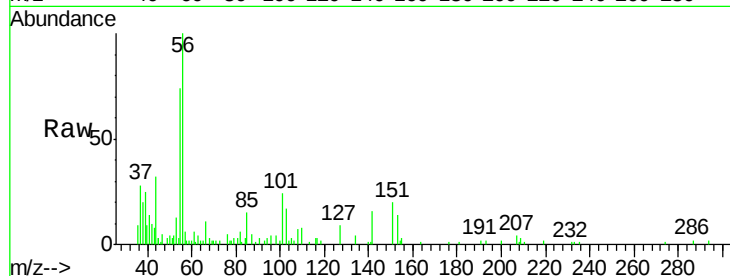
55 74.3 59.4 89.2

Manual Integrations

APPROVED

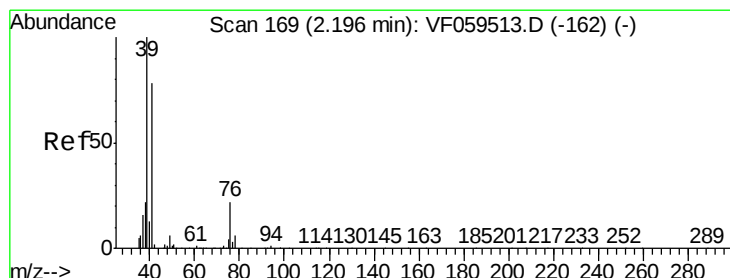
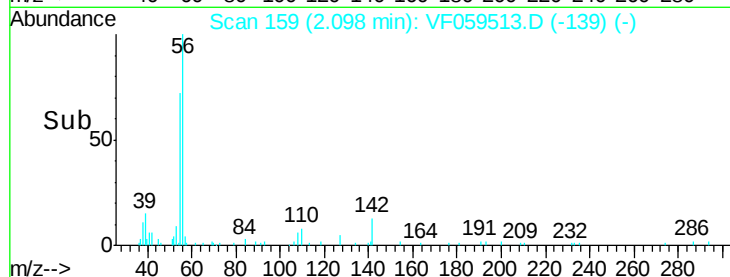
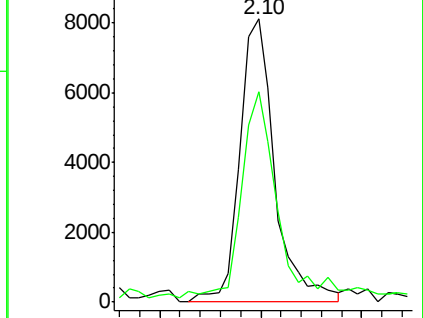
apatel

7/18/2018 3:16:08 PM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 44.76 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

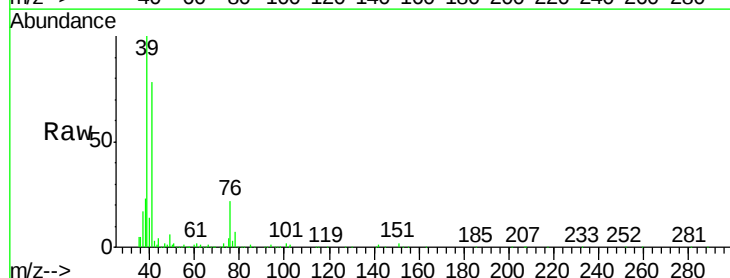
Tgt Ion: 41 Resp: 106718

Ion Ratio Lower Upper

41 100

39 128.7 103.0 154.4

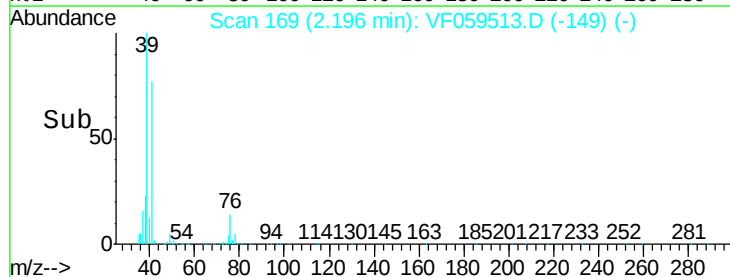
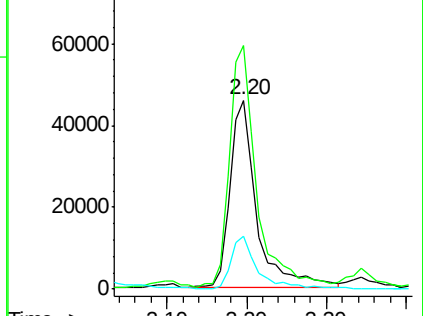
76 28.3 22.6 34.0

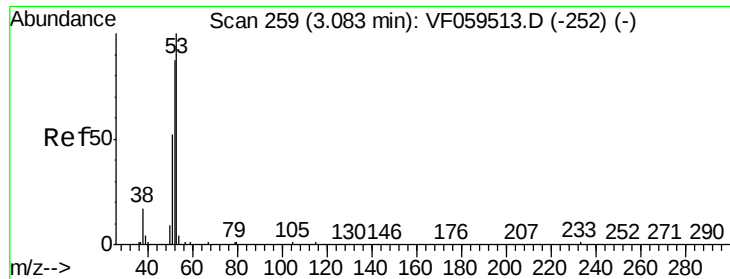


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 252.35 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

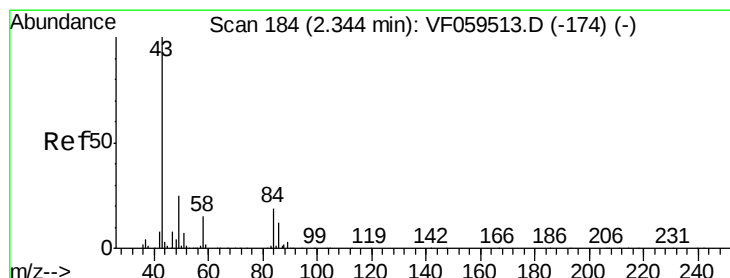
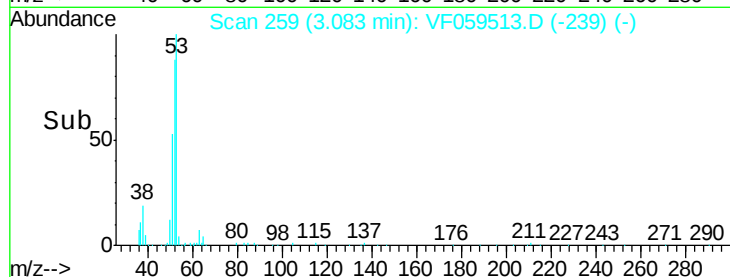
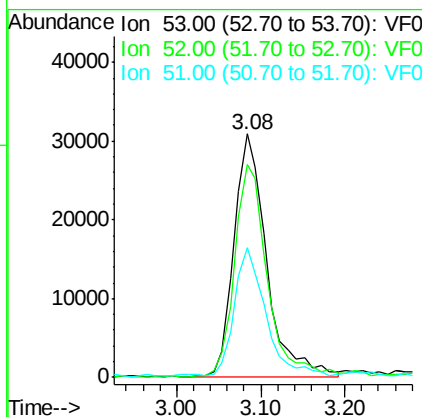
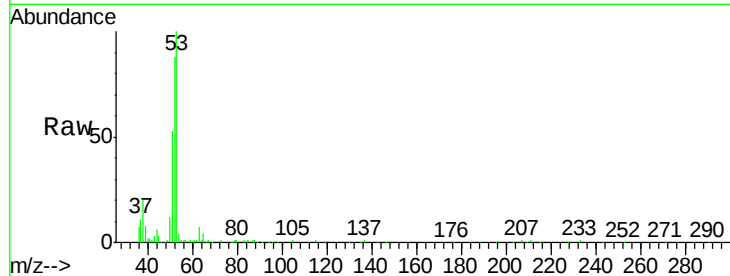
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	84203
Ion	Ratio	Lower	Upper
53	100		
52	87.6	70.1	105.1
51	53.1	42.5	63.7

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:08 PM



#16

Acetone

Concen: 260.97 ug/l

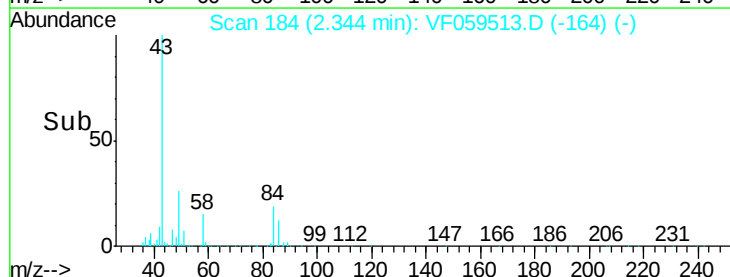
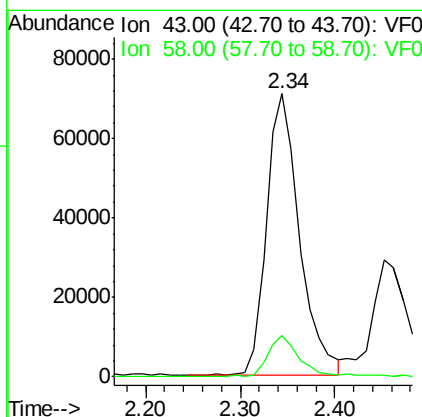
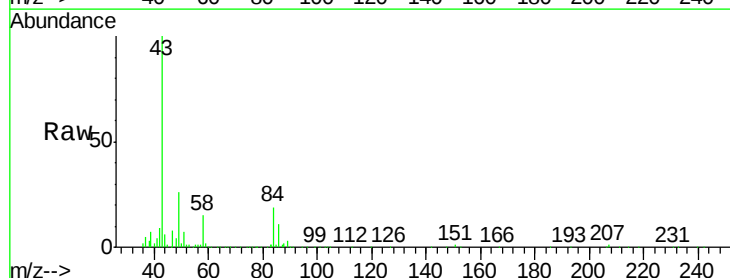
RT: 2.34 min Scan# 184

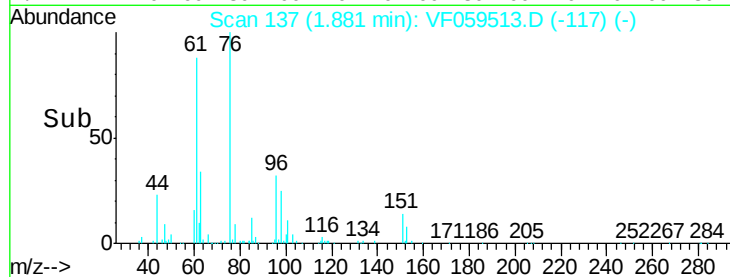
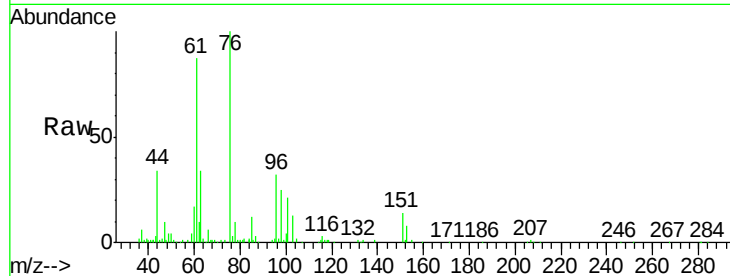
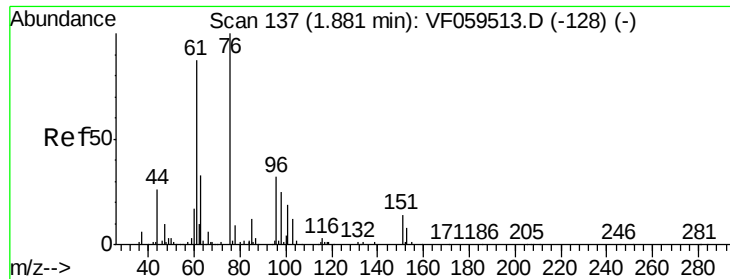
Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion:	43	Resp:	172811
Ion	Ratio	Lower	Upper
43	100		
58	14.7	11.8	17.6





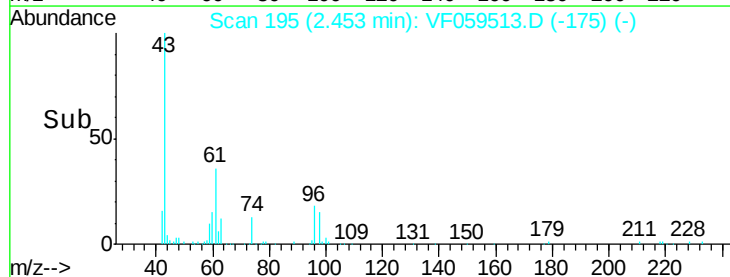
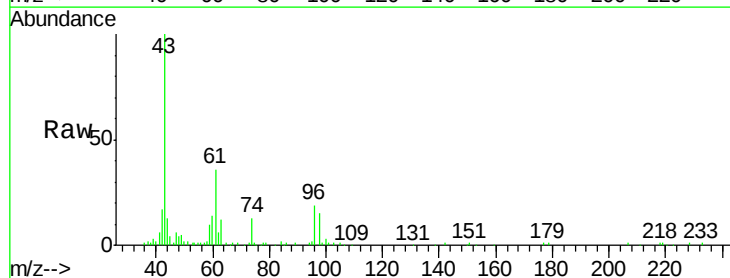
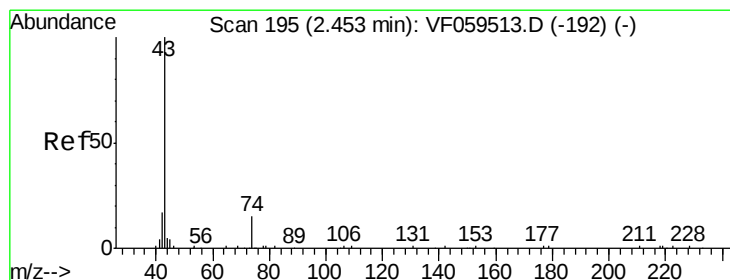
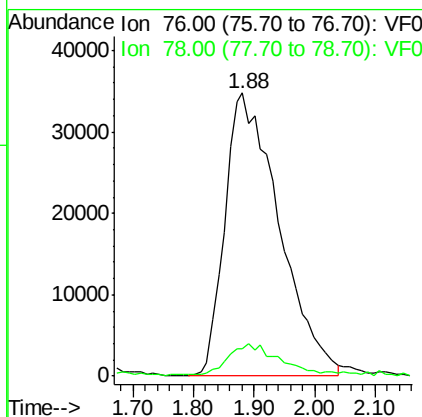
#17
Carbon Disulfide
Concen: 43.86 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.8	11.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

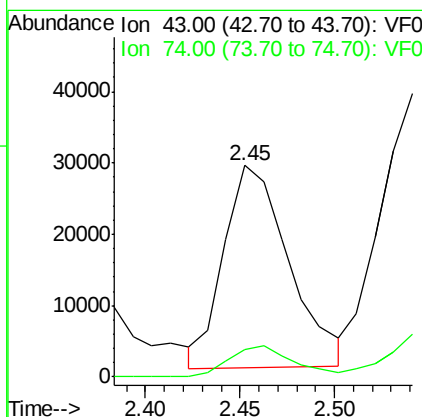
Manual Integrations
APPROVED

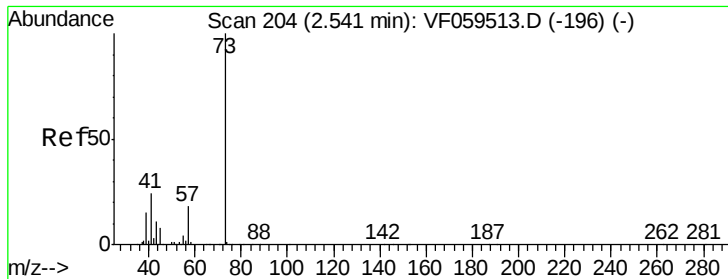
apatel
7/18/2018 3:16:08 PM



#18
Methyl Acetate
Concen: 49.97 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.2	10.6	15.8





#19

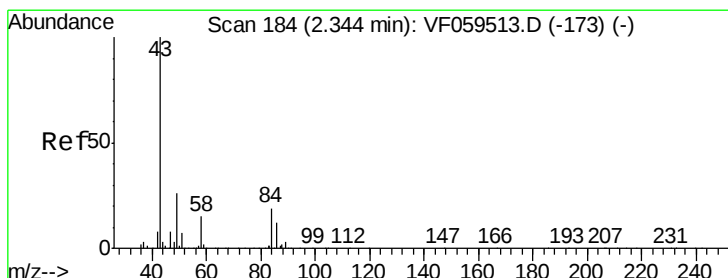
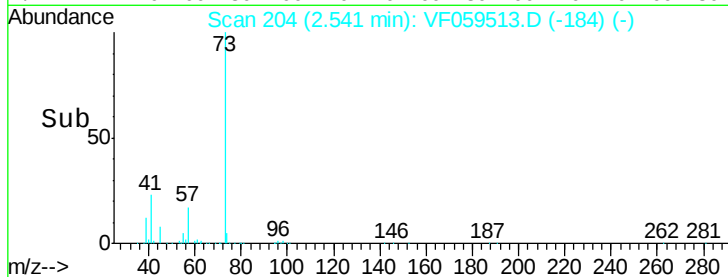
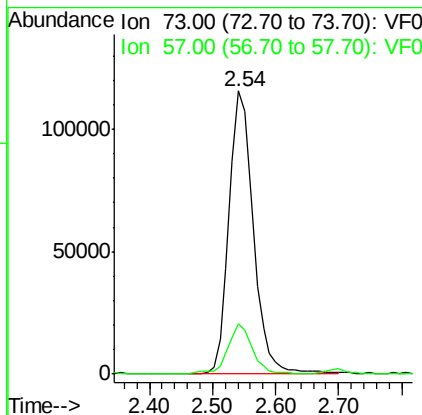
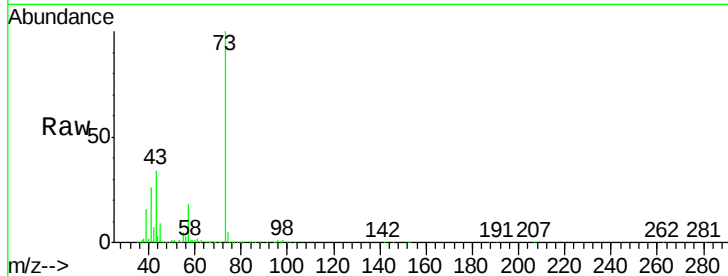
Methyl tert-butyl Ether
 Concen: 51.74 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	14.3	21.5

Manual Integrations
 APPROVED

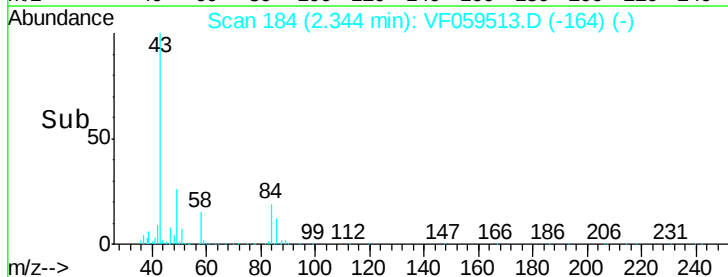
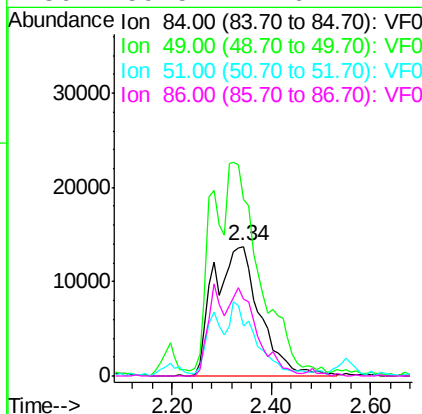
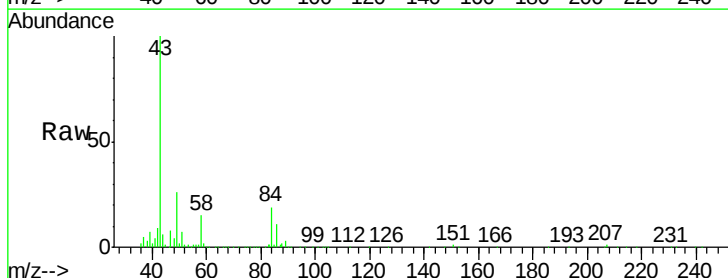
apatel
 7/18/2018 3:16:08 PM

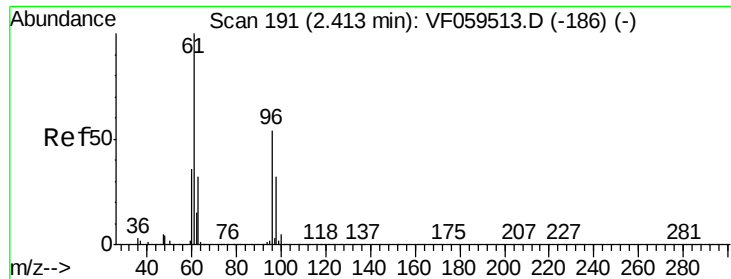


#20

Methylene Chloride
 Concen: 37.29 ug/l m
 RT: 2.34 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.8	109.4	164.2
51	38.1	30.5	45.7
86	59.5	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 49.32 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

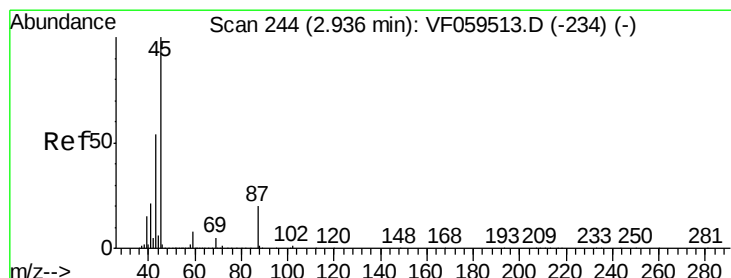
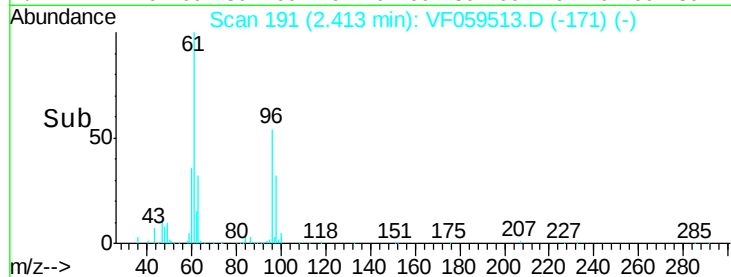
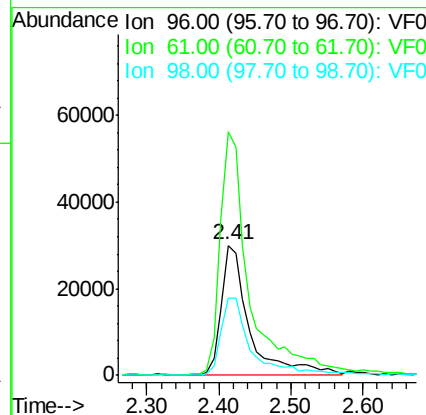
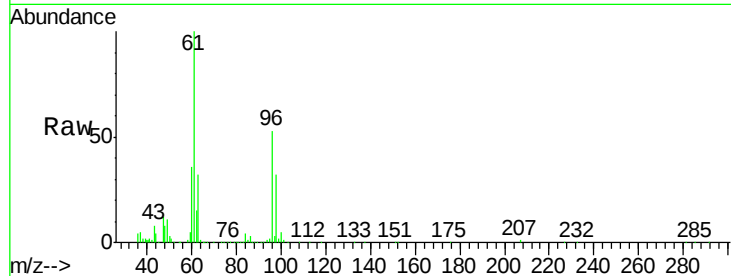
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	81659
Ion	Ratio	Lower	Upper
96	100		
61	187.3	149.8	224.8
98	59.8	47.8	71.8

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:08 PM



#22

Diisopropyl ether

Concen: 49.51 ug/l

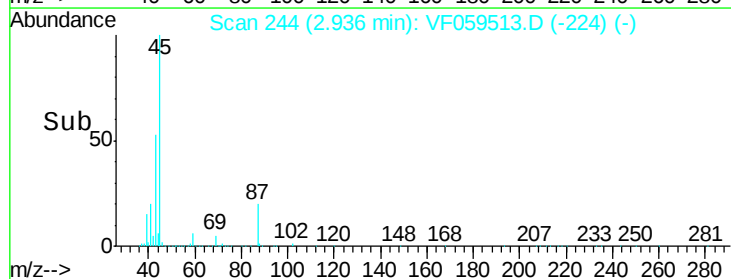
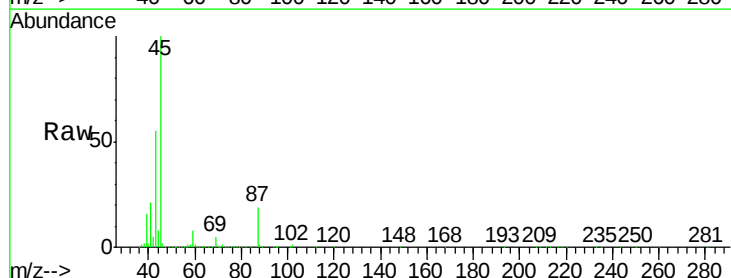
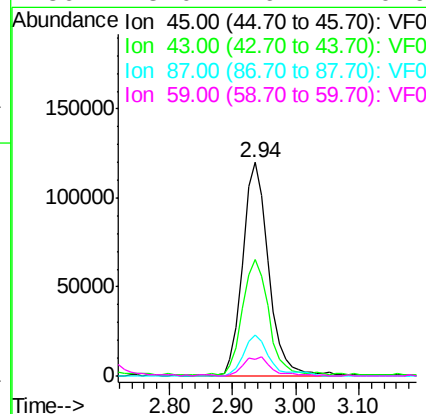
RT: 2.94 min Scan# 244

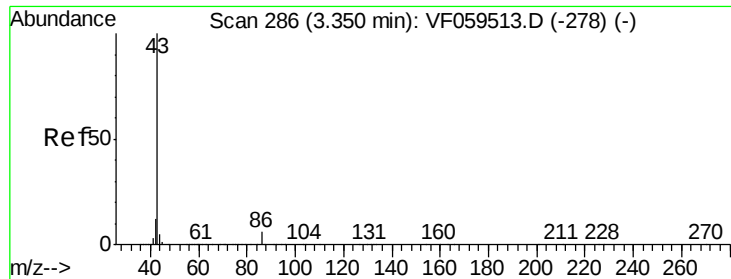
Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion:	45	Resp:	338392
Ion	Ratio	Lower	Upper
45	100		
43	54.5	43.6	65.4
87	19.5	15.6	23.4
59	8.0	6.4	9.6





#23

Vinyl Acetate

Concen: 246.59 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 979357

Ion Ratio Lower Upper

43 100

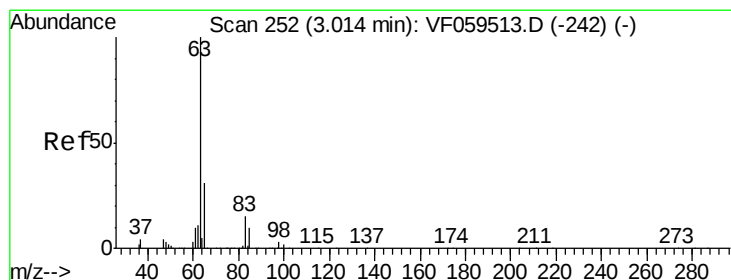
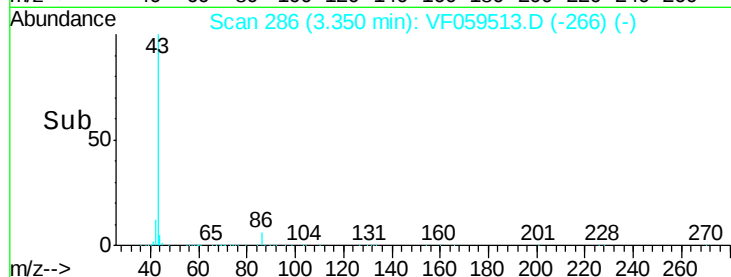
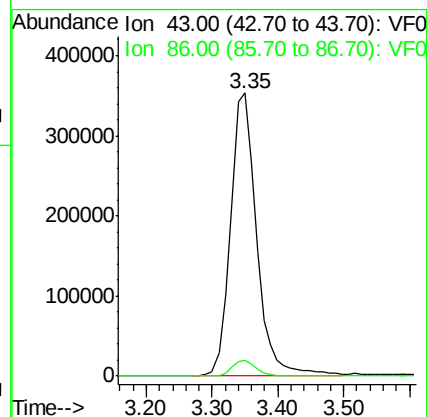
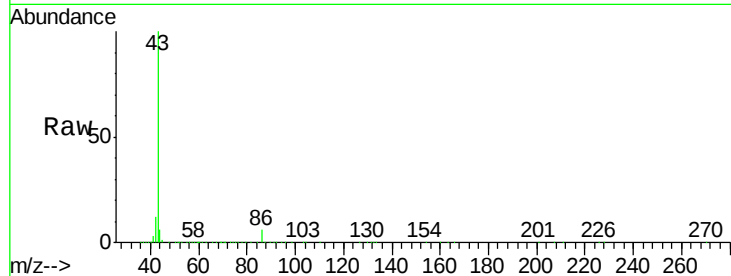
86 5.5 4.4 6.6

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:08 PM



#24

1,1-Dichloroethane

Concen: 50.87 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

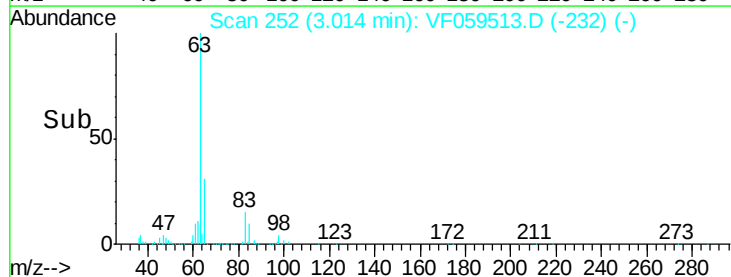
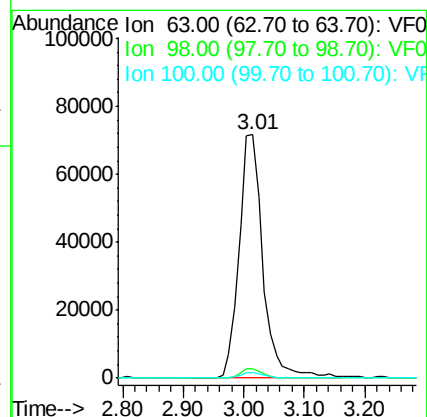
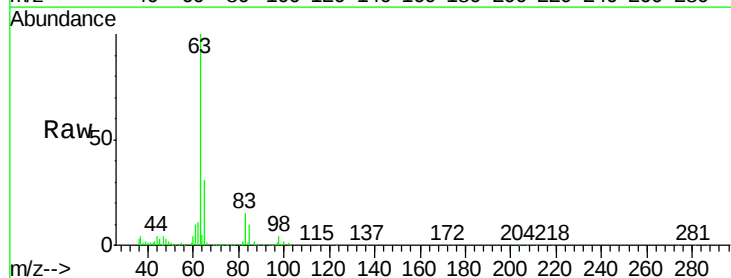
Tgt Ion: 63 Resp: 197351

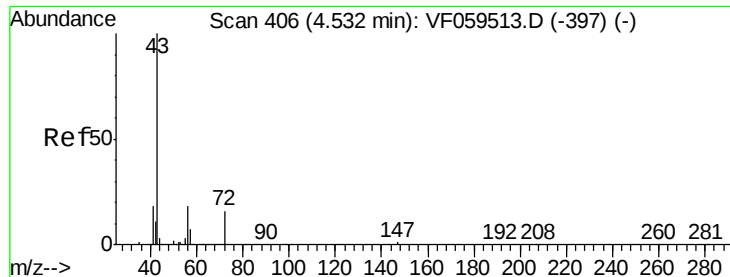
Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

100 2.5 1.3 3.8





#25

2-Butanone

Concen: 247.20 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 237933

Ion Ratio Lower Upper

43 100

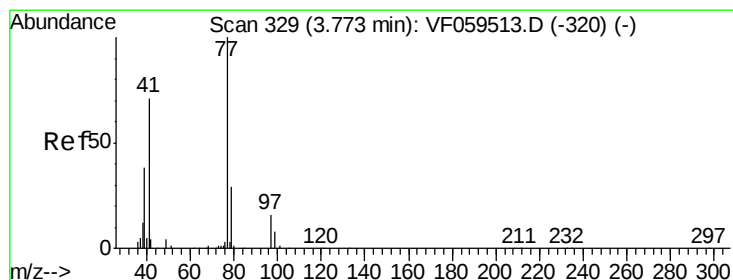
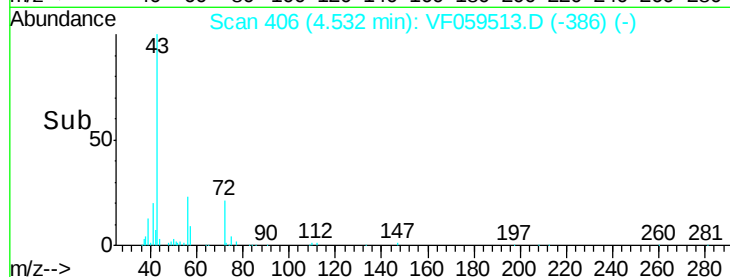
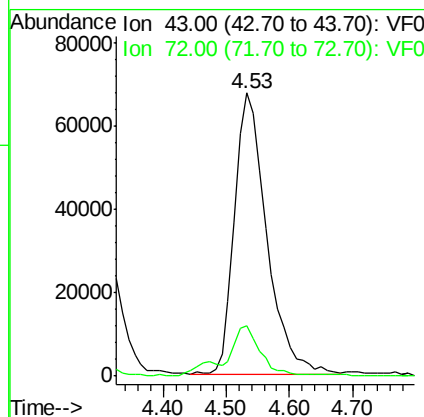
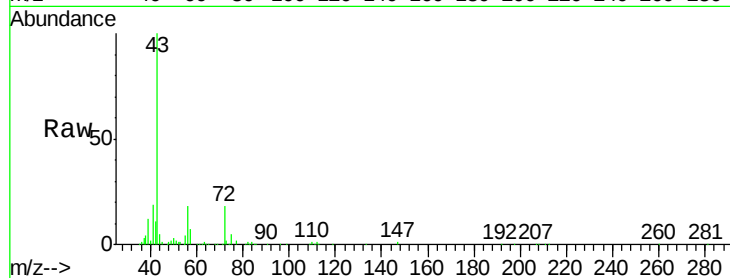
72 17.8 14.2 21.4

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:08 PM



#26

2,2-Dichloropropane

Concen: 51.99 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059513.D

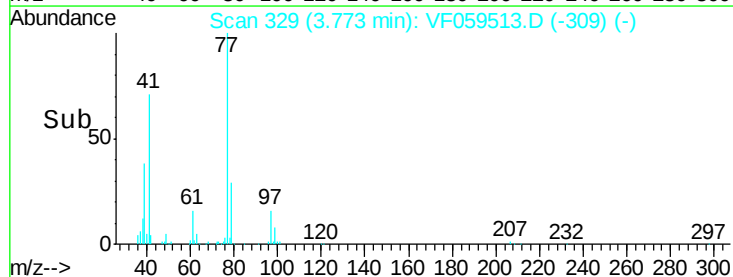
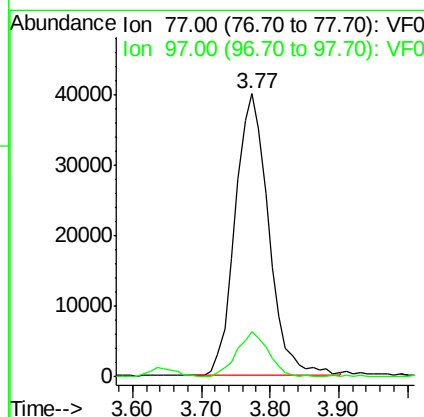
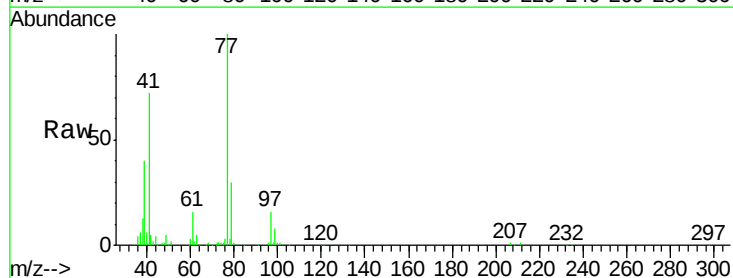
Acq: 17 Jul 2018 18:01

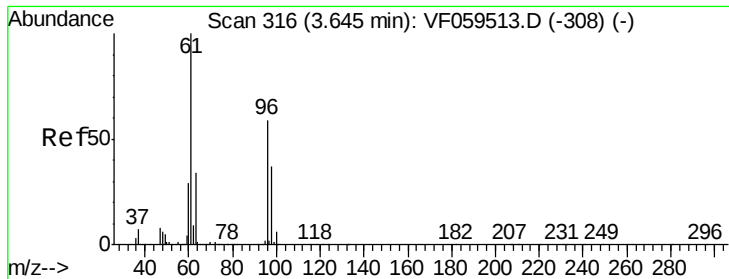
Tgt Ion: 77 Resp: 135381

Ion Ratio Lower Upper

77 100

97 16.2 8.1 24.3





#27

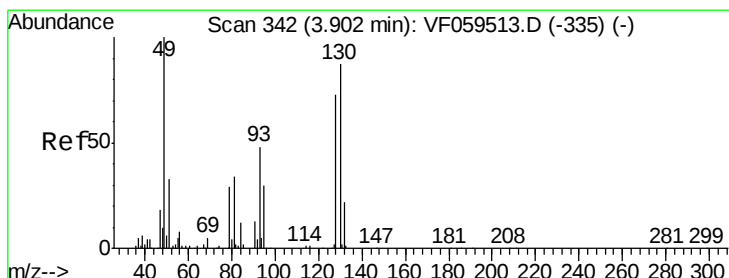
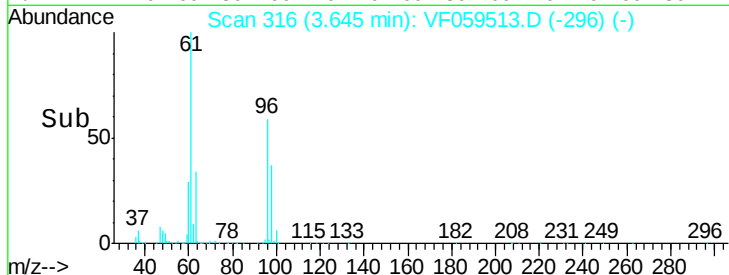
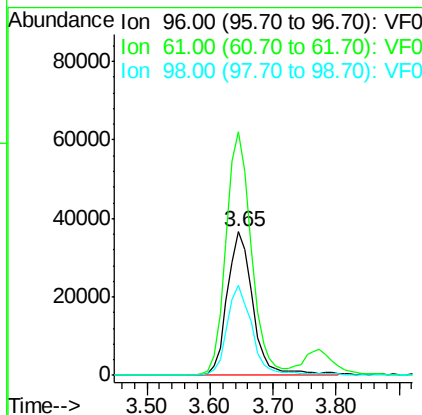
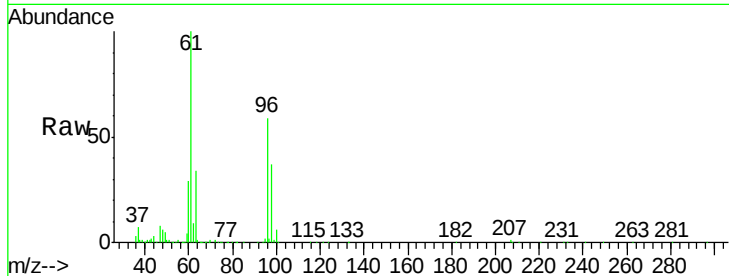
cis-1,2-Dichloroethene
 Concen: 45.83 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.5	0.0	339.0
98	62.7	0.0	125.4

Manual Integrations
 APPROVED

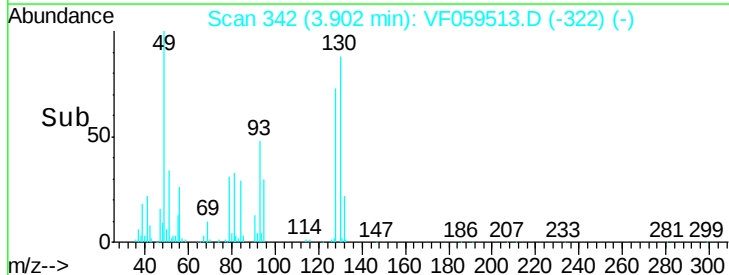
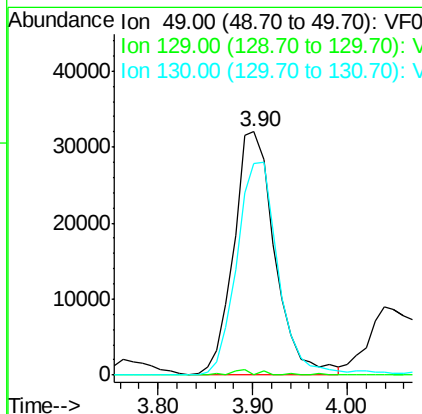
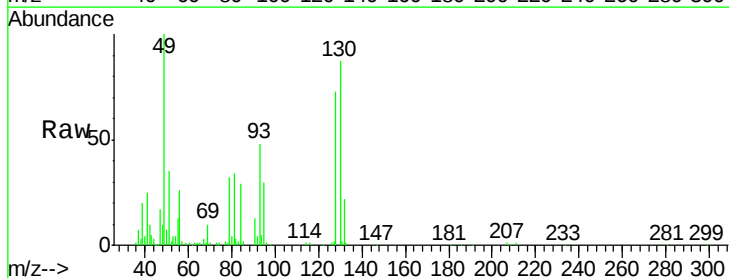
apatel
 7/18/2018 3:16:08 PM

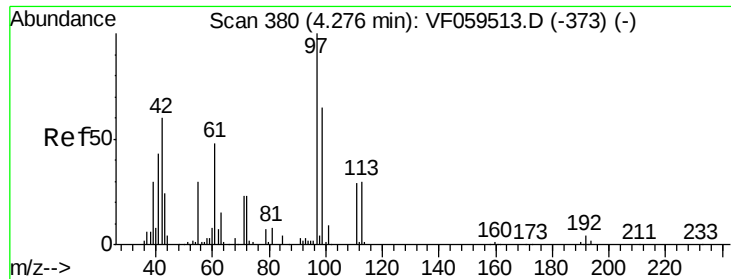


#28

Bromochloromethane
 Concen: 53.89 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	87.2	69.8	104.6





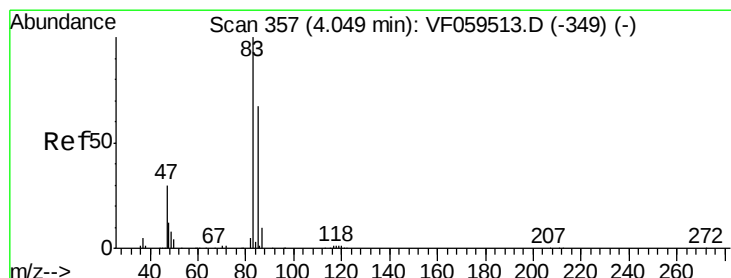
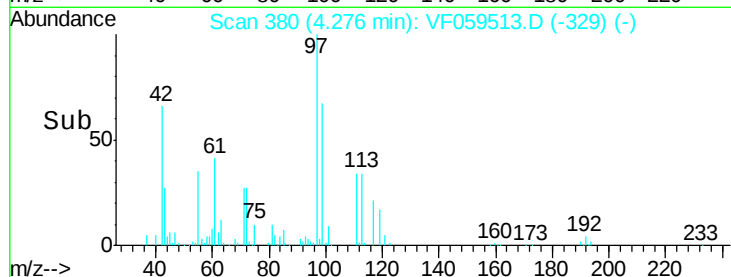
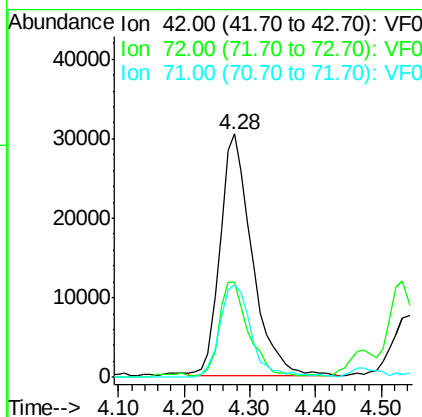
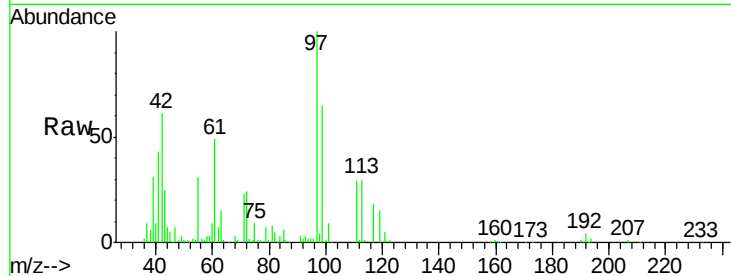
#29
Tetrahydrofuran
Concen: 248.33 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	28.7	43.1
71	38.5	30.8	46.2

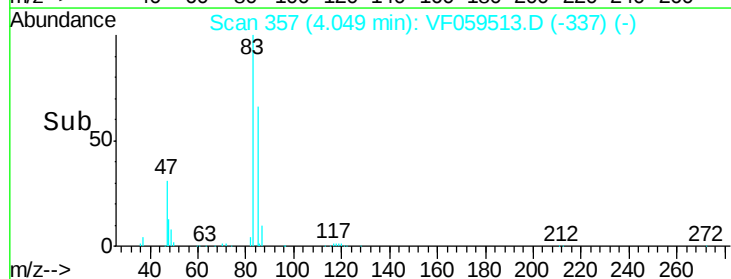
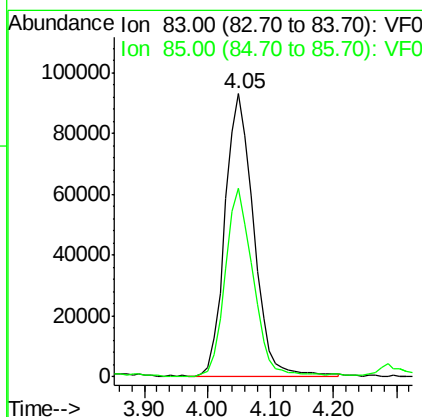
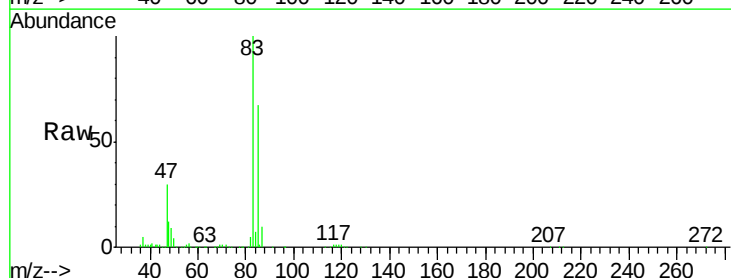
Manual Integrations
APPROVED

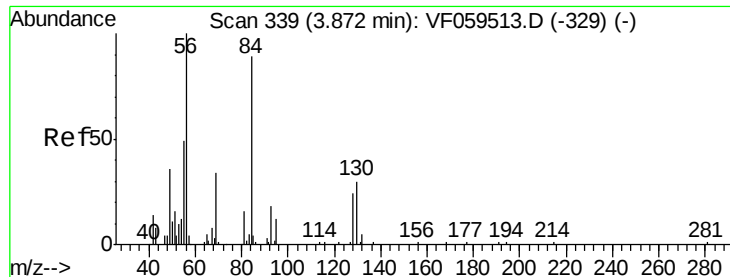
apatel
7/18/2018 3:16:08 PM



#30
Chloroform
Concen: 50.34 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.2	79.8





#31

Cyclohexane

Concen: 43.98 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

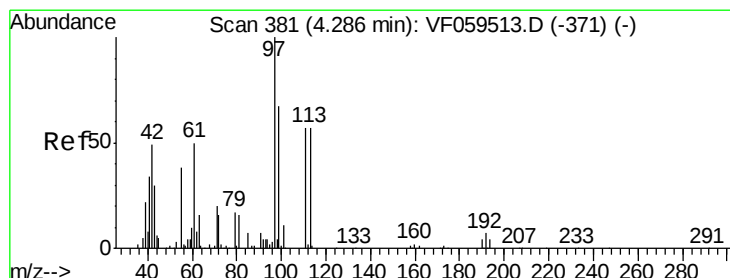
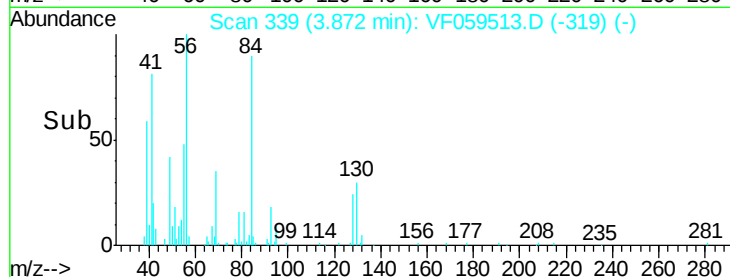
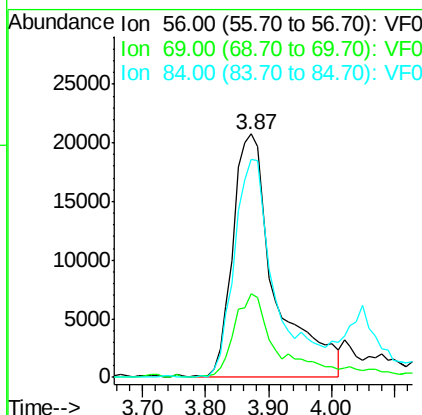
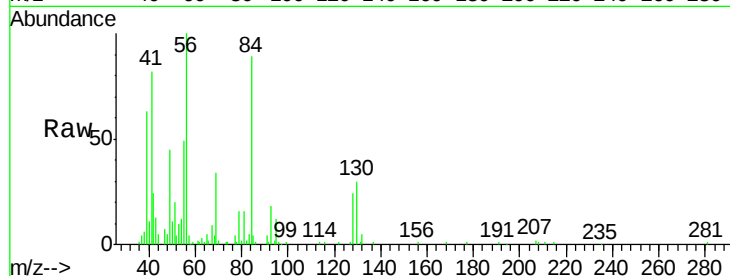
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	96379
Ion Ratio	Lower	Upper	
56	100		
69	34.5	27.6	41.4
84	89.3	71.4	107.2

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:08 PM



#32

1,1,1-Trichloroethane

Concen: 46.50 ug/l

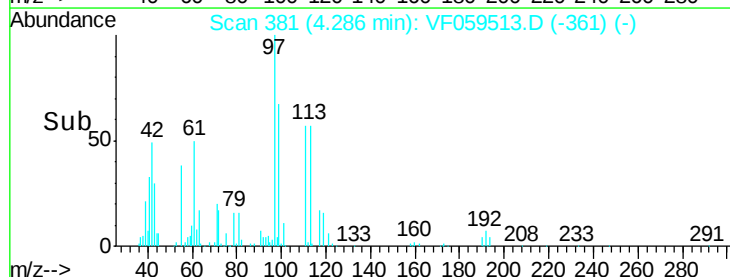
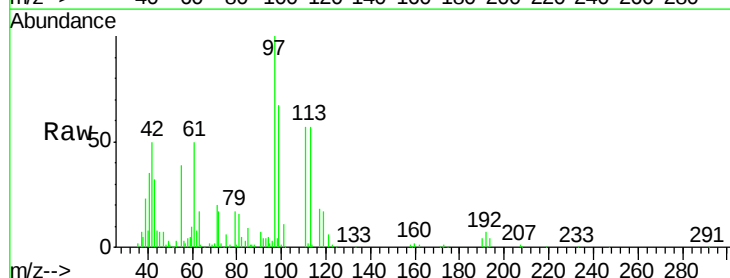
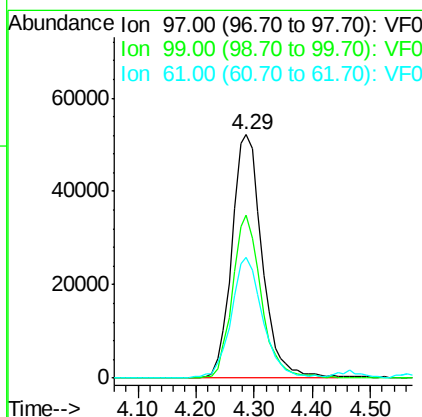
RT: 4.29 min Scan# 381

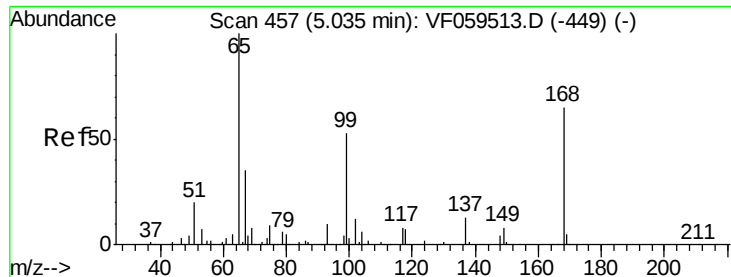
Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion:	97	Resp:	187952
Ion Ratio	Lower	Upper	
97	100		
99	66.9	53.5	80.3
61	49.6	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 51.76 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 201775

Ion Ratio Lower Upper

65 100

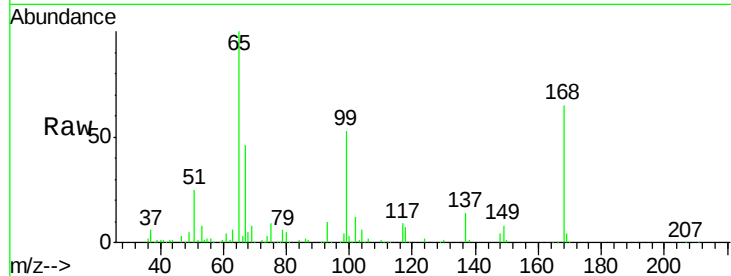
67 45.6 0.0 91.2

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:08 PM

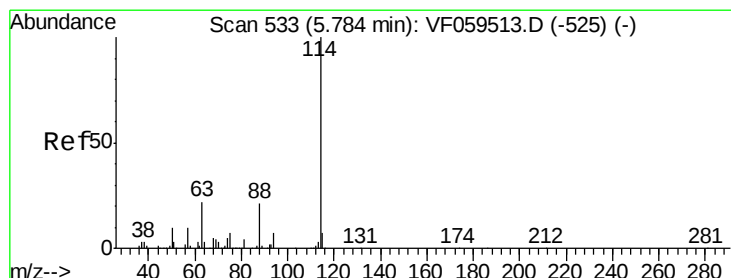
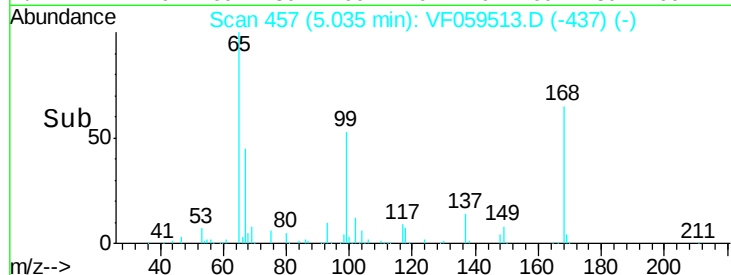


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.04

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

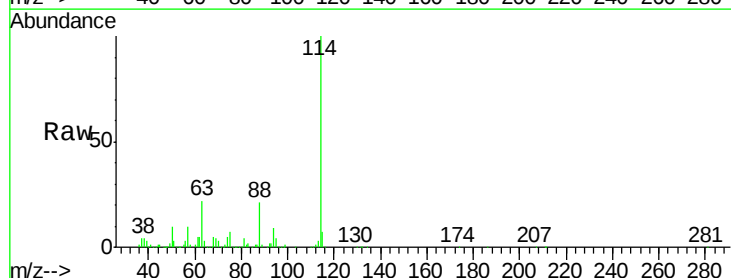
Tgt Ion: 114 Resp: 377722

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.8

88 21.3 0.0 42.6



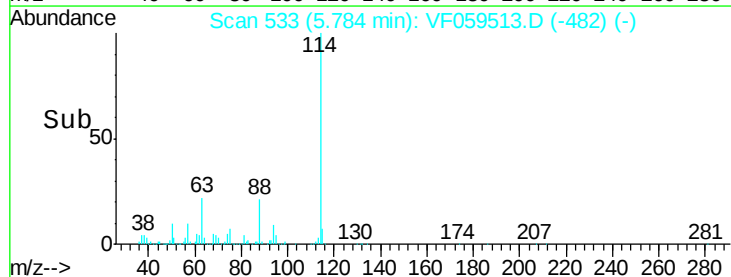
Abundance Ion 114.00 (113.70 to 114.70): V

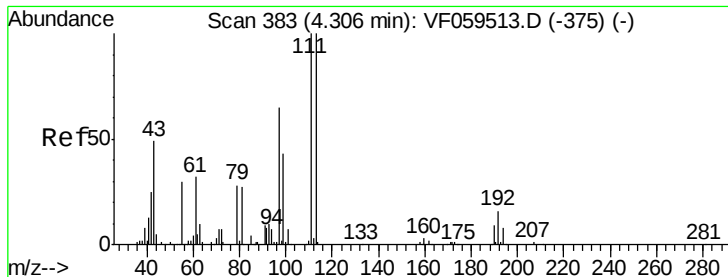
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.78

Time-->





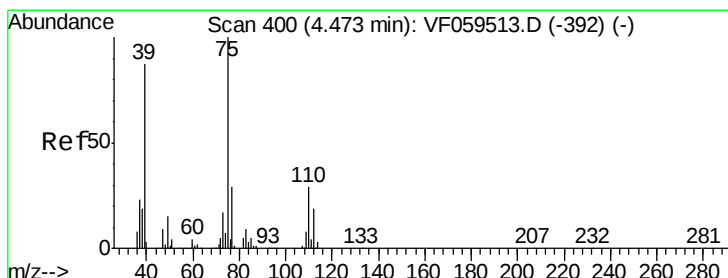
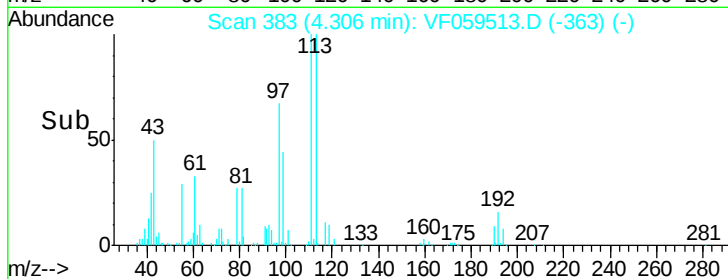
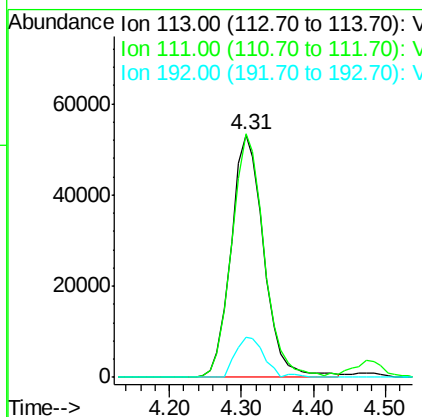
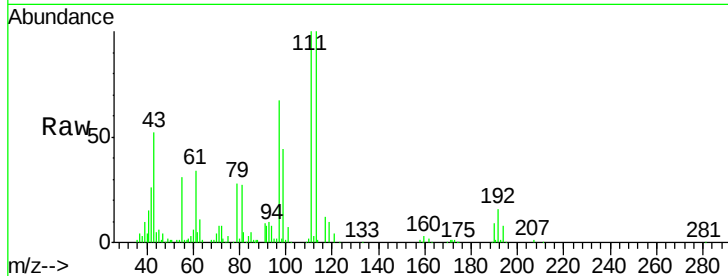
#35
 Dibromofluoromethane
 Concen: 51.31 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168303		
111	100.4	80.3	120.5	
192	16.4	13.1	19.7	

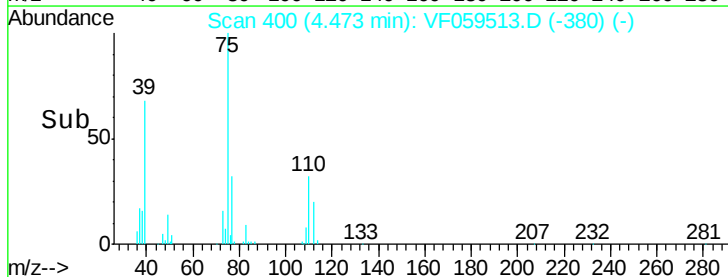
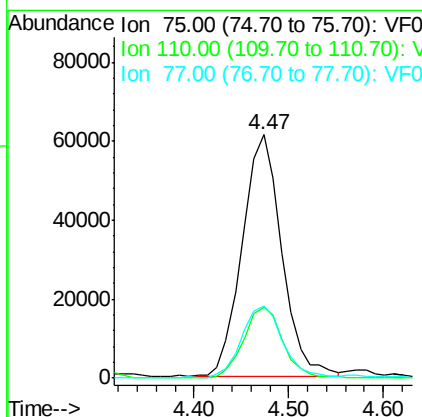
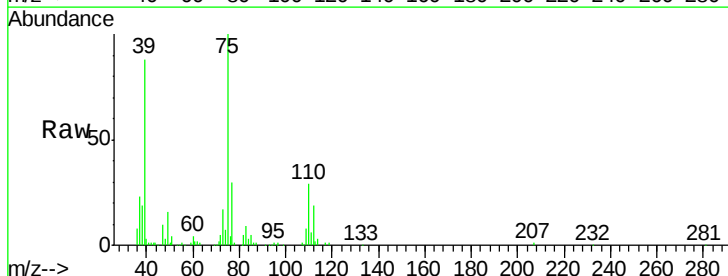
Manual Integrations
 APPROVED

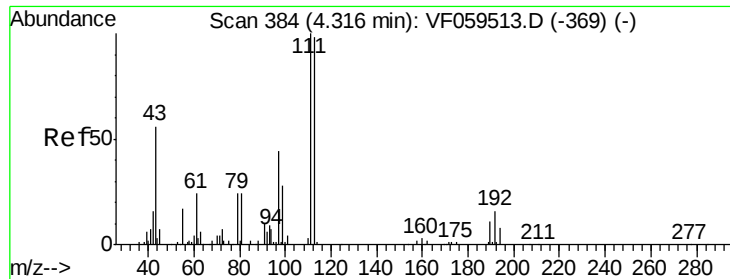
apatel
 7/18/2018 3:16:08 PM



#36
 1,1-Dichloropropene
 Concen: 46.57 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	179124		
110	29.2	14.6	43.8	
77	29.6	23.7	35.5	





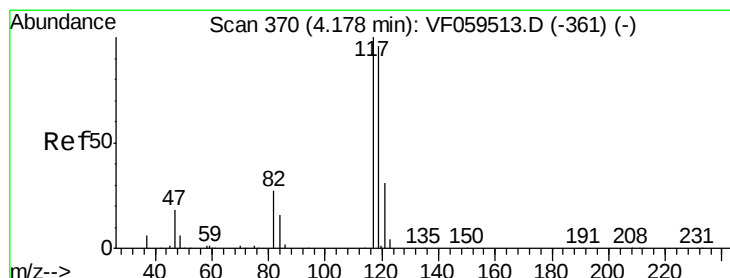
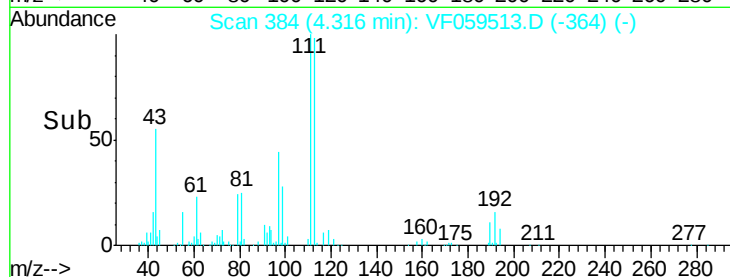
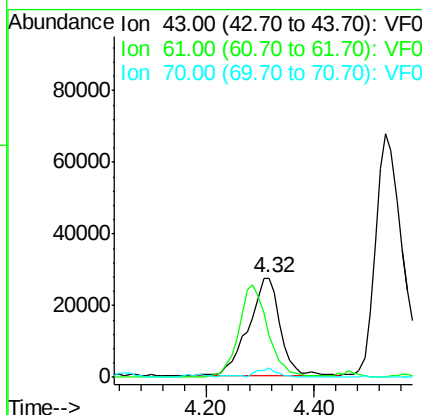
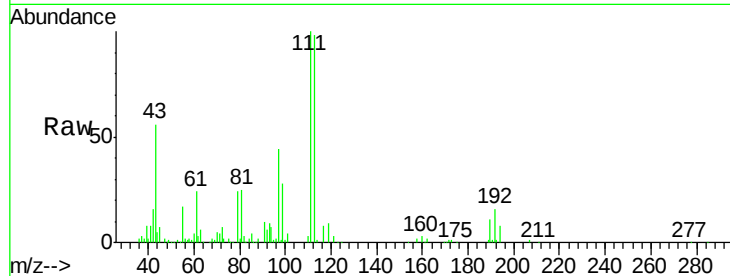
#37
Ethyl Acetate
Concen: 48.03 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
113089	100	42.1	9.2		33.7	50.5
					7.4	11.0

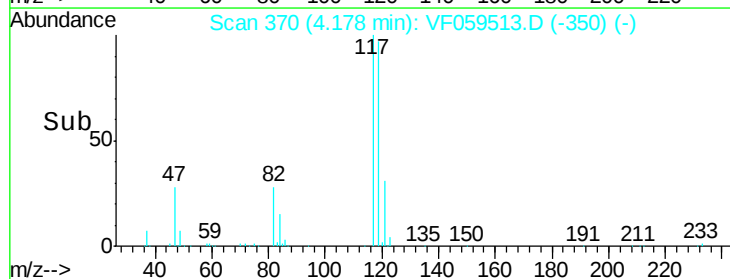
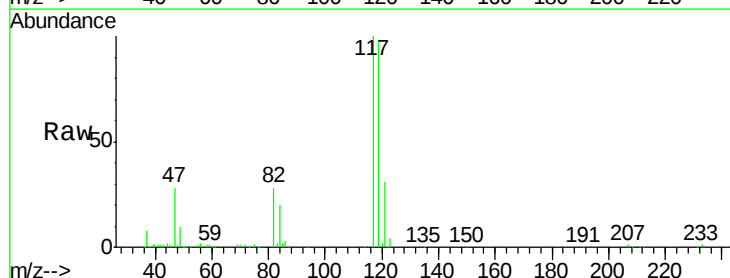
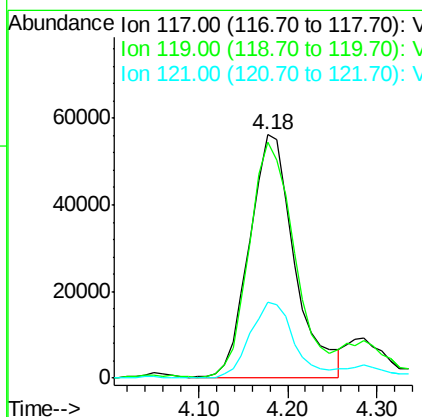
Manual Integrations
APPROVED

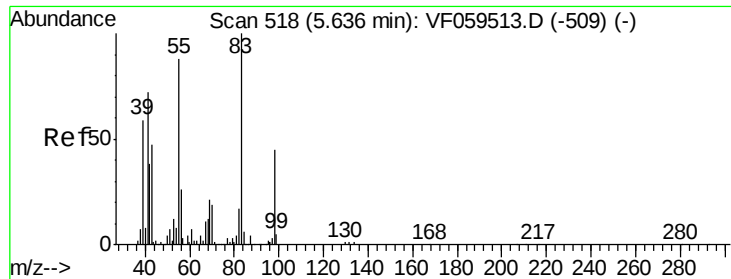
apatel
7/18/2018 3:16:08 PM



#38
Carbon Tetrachloride
Concen: 44.20 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	117	119	121	Ratio	Lower	Upper
197147	100	97.0	31.1		77.6	116.4
					24.9	37.3





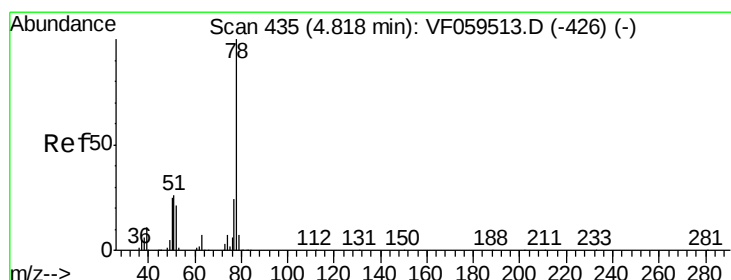
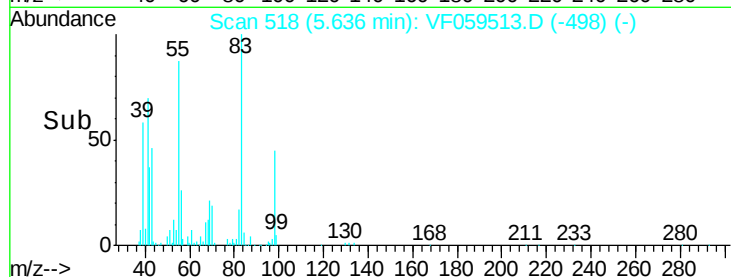
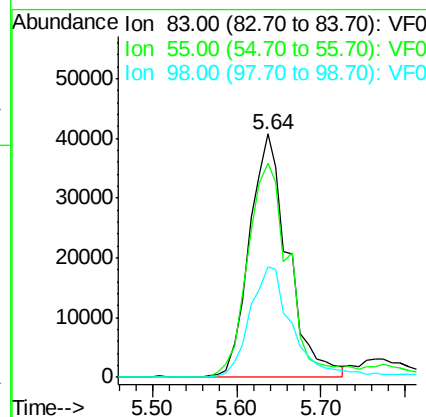
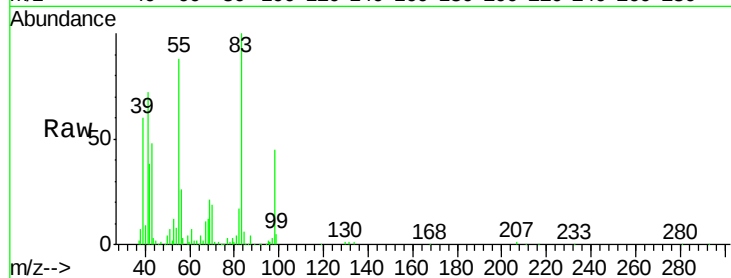
#39
Methvlcvclohexane
Concen: 45.04 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	130466
Ion Ratio	Lower	Upper	
83	100		
55	87.8	70.2	105.4
98	45.2	36.2	54.2

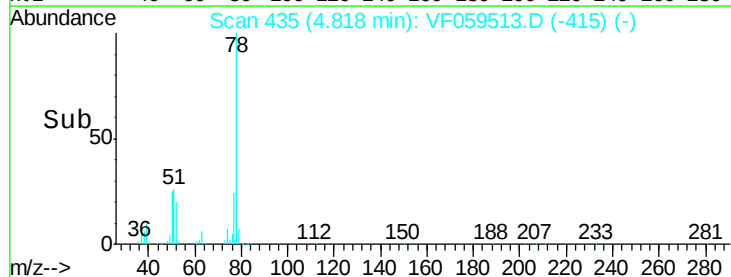
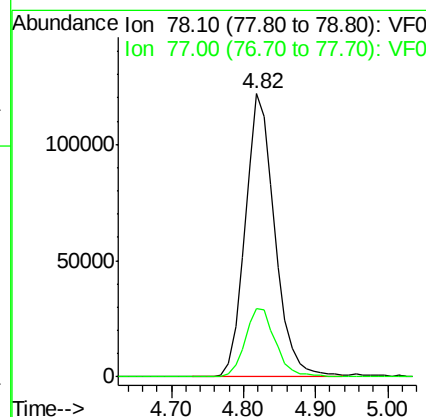
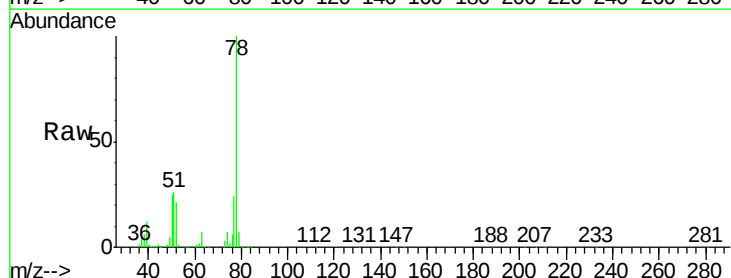
Manual Integrations
APPROVED

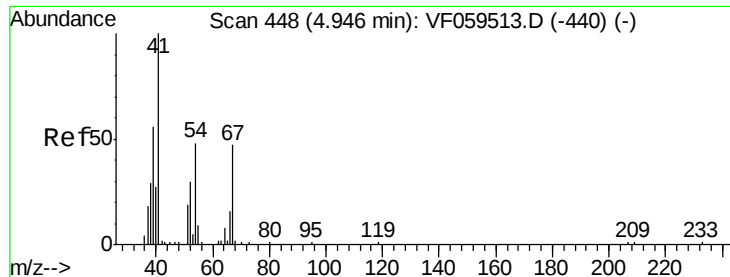
apatel
7/18/2018 3:16:08 PM



#40
Benzene
Concen: 46.58 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	78	Resp	348165
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.4	29.0





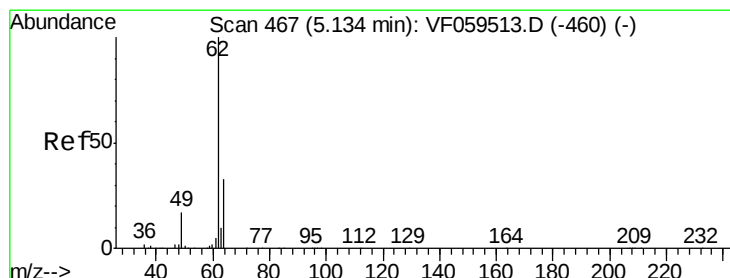
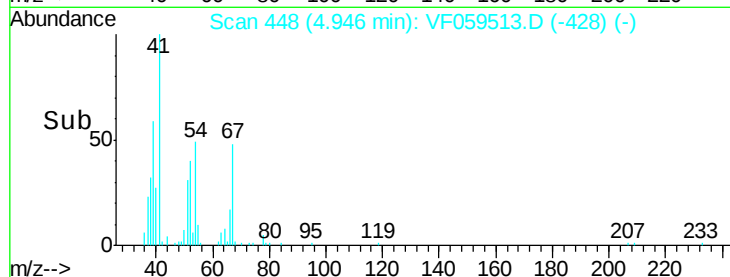
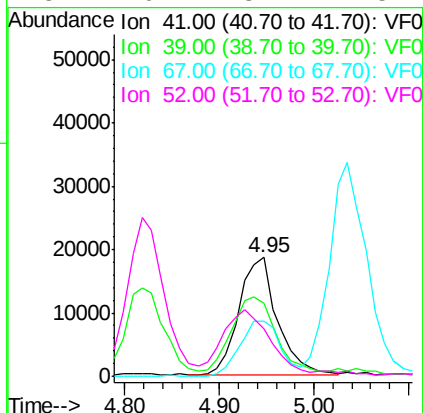
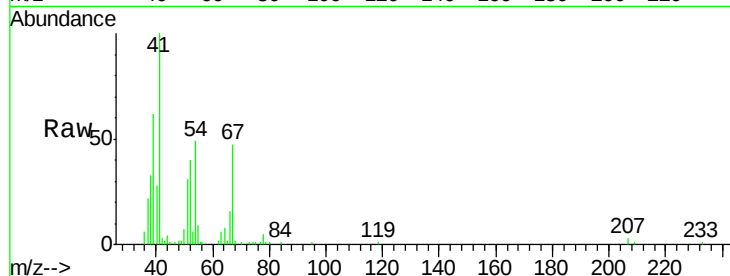
#41
Methacrylonitrile
Concen: 46.03 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	52249
Ion	Ratio	Lower	Upper
41	100		
39	61.7	49.4	74.0
67	46.8	37.4	56.2
52	40.1	32.1	48.1

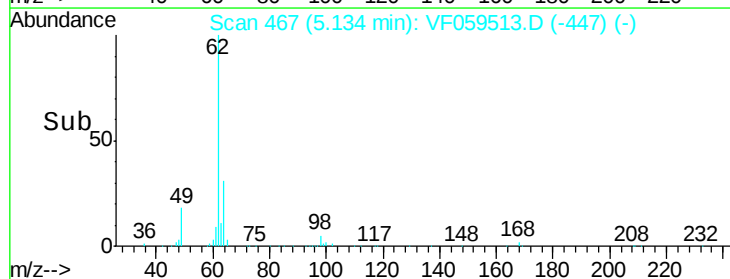
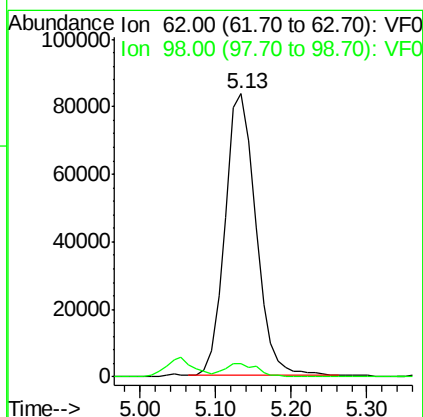
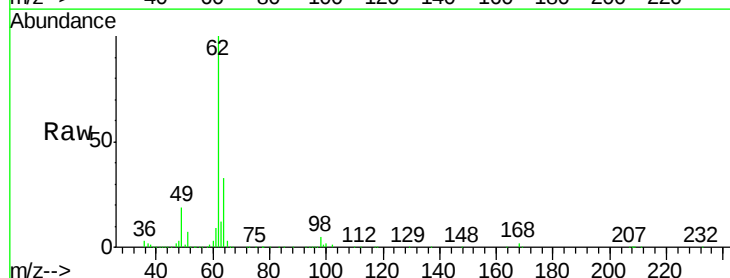
Manual Integrations
APPROVED

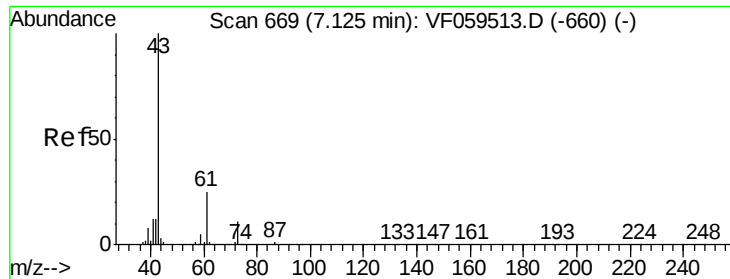
apatel
7/18/2018 3:16:08 PM



#42
1,2-Dichloroethane
Concen: 48.97 ug/l
RT: 5.13 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	62	Resp	234283
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.6





#43

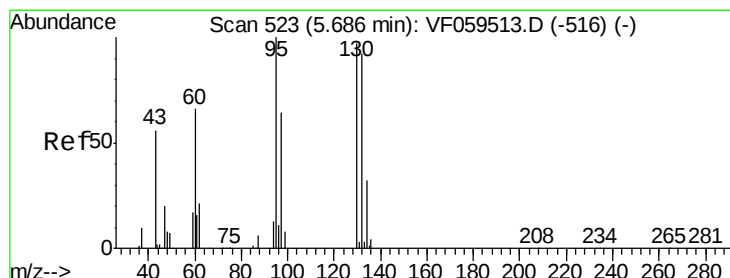
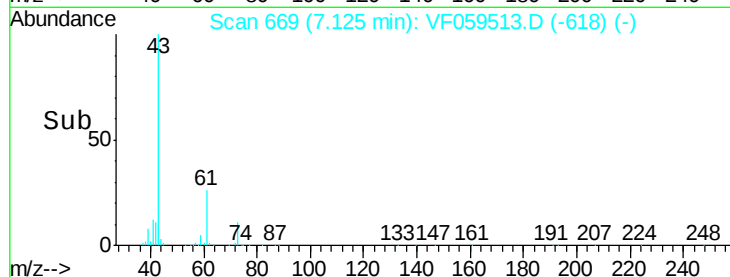
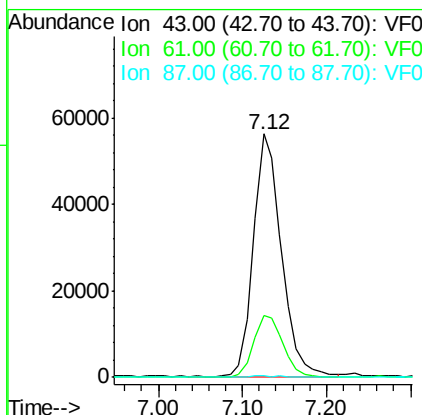
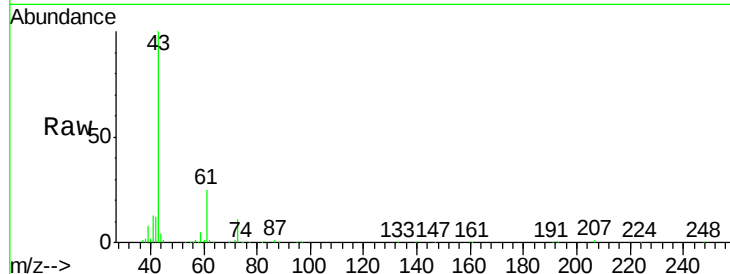
Isopropyl Acetate
 Concen: 47.36 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	43	Resp	133545
Ion Ratio	Lower	Upper	
43	100		
61	25.4	20.3	30.5
87	0.5	0.4	0.6

Manual Integrations
 APPROVED

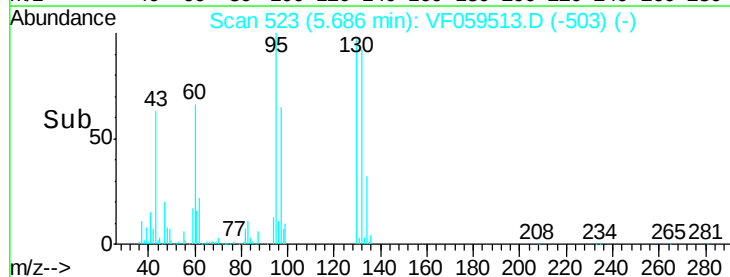
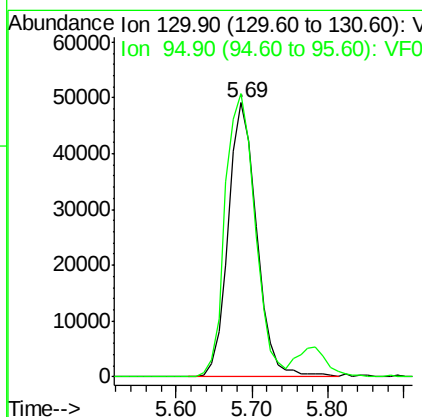
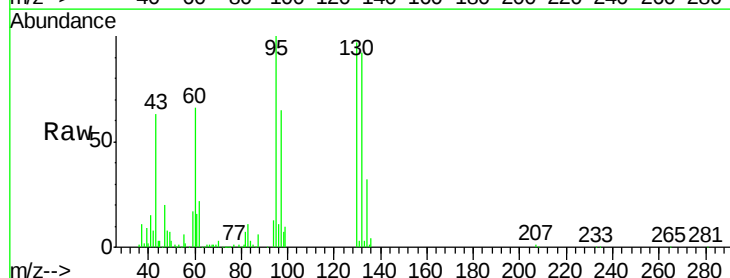
apatel
 7/18/2018 3:16:08 PM

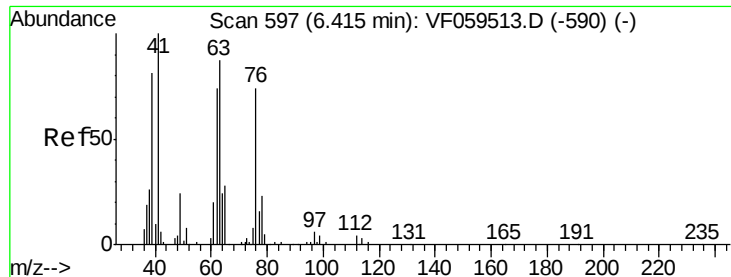


#44

Trichloroethene
 Concen: 47.27 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	130	Resp	127361
Ion Ratio	Lower	Upper	
130	100		
95	103.3	0.0	206.6





#45

1,2-Dichloropropane

Concen: 47.26 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 100185

Ion Ratio Lower Upper

63 100

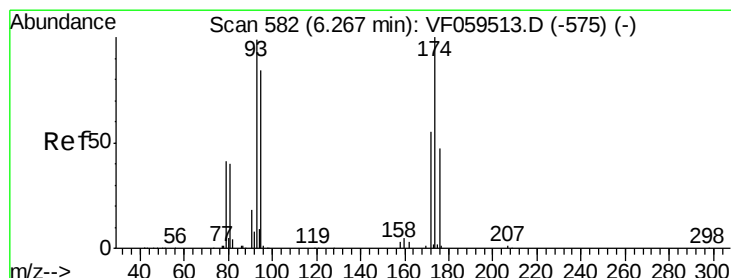
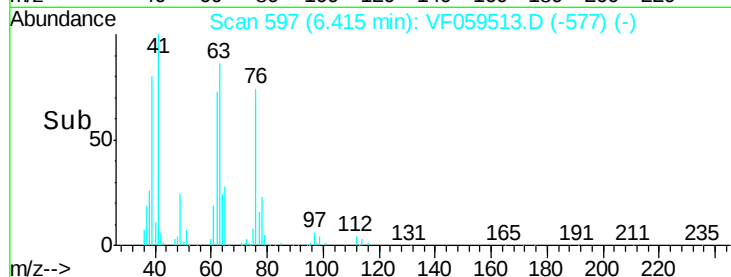
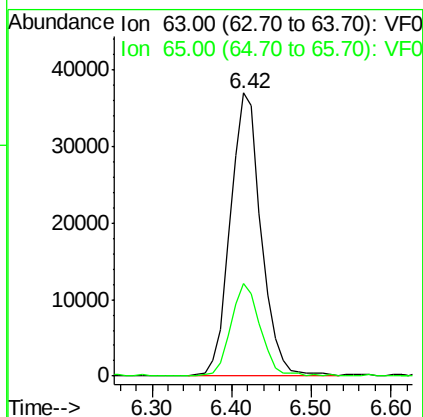
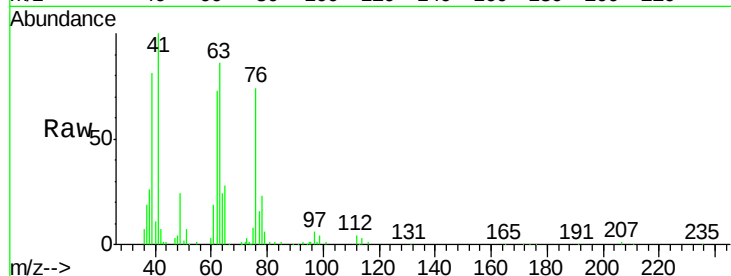
65 32.6 26.1 39.1

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:08 PM



#46

Dibromomethane

Concen: 48.07 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

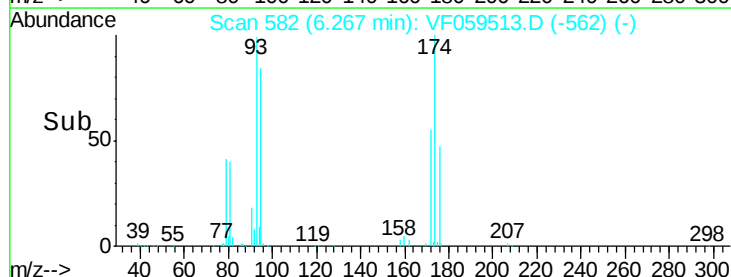
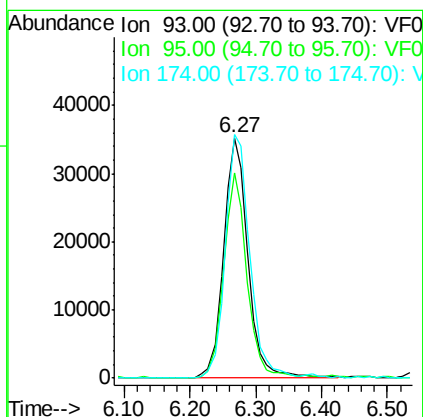
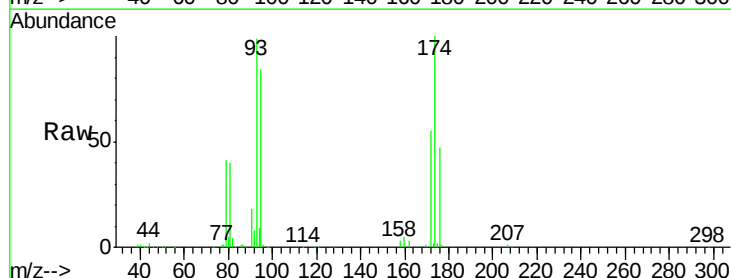
Tgt Ion: 93 Resp: 91035

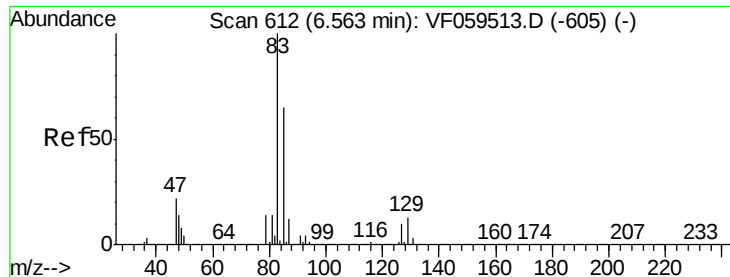
Ion Ratio Lower Upper

93 100

95 85.4 68.3 102.5

174 101.5 81.2 121.8





#47

Bromodichloromethane

Concen: 48.89 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

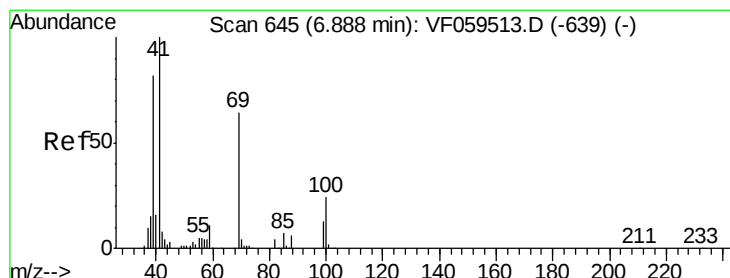
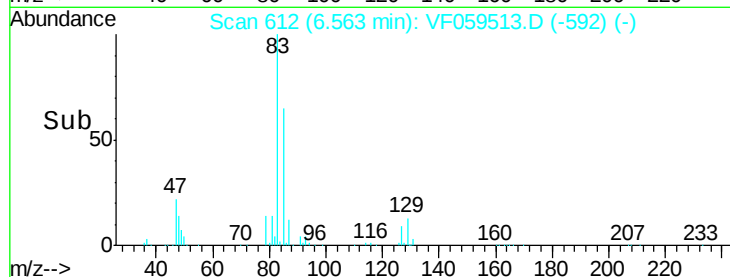
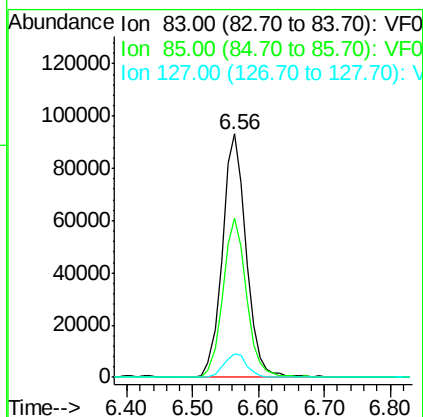
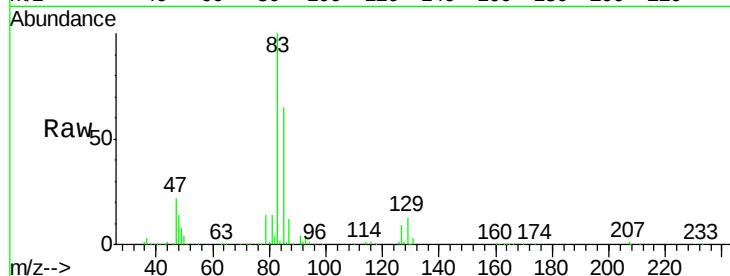
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	236565
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.4	78.6
127	10.3	8.2	12.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:08 PM



#48

Methyl methacrylate

Concen: 47.99 ug/l

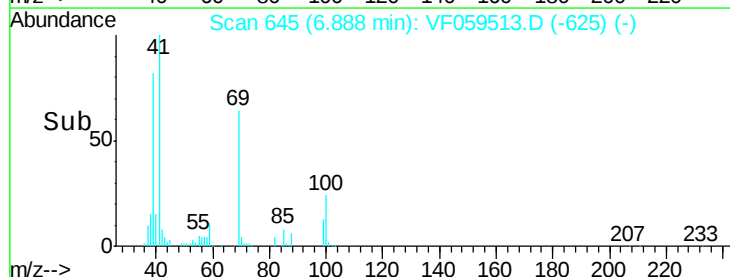
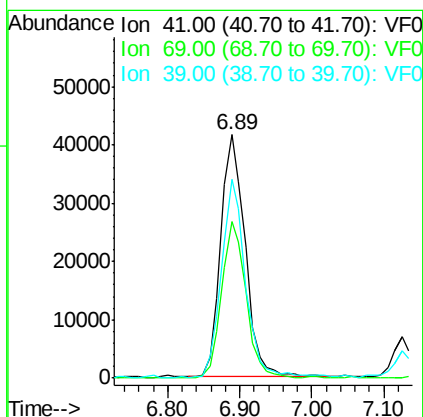
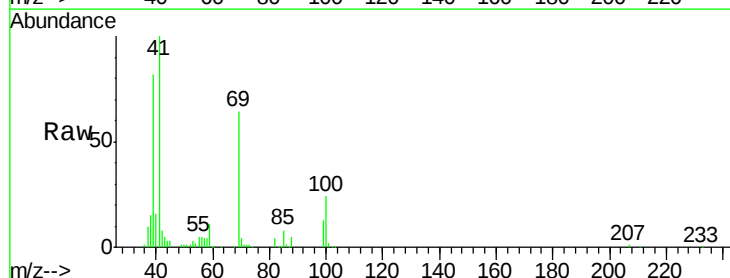
RT: 6.89 min Scan# 645

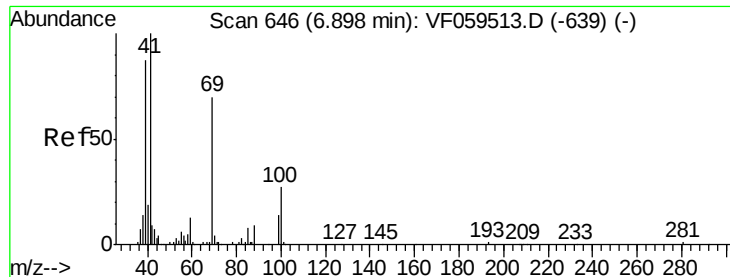
Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion:	41	Resp:	97518
Ion Ratio	Lower	Upper	
41	100		
69	64.1	51.3	76.9
39	81.6	65.3	97.9





#49

1,4-Dioxane

Concen: 980.12 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

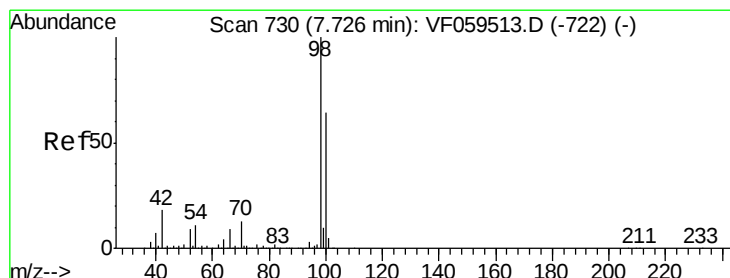
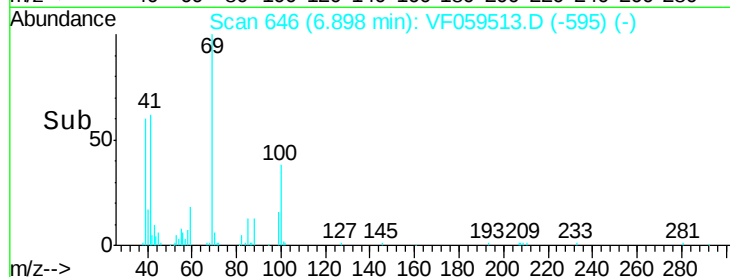
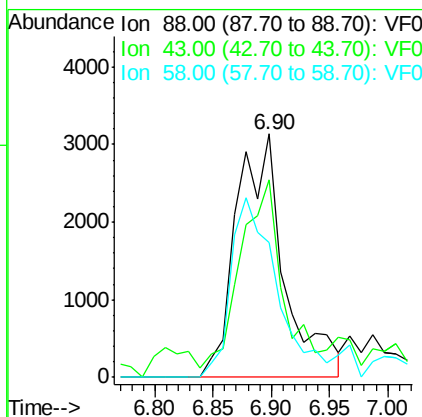
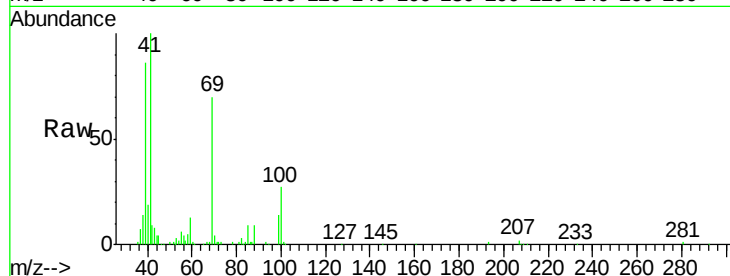
ClientSampleId :

VSTDICCC050

Tot Ion:	88	Resp:	9008
Ion	Ratio	Lower	Upper
88	100		
43	81.0	64.8	97.2
58	55.1	44.1	66.1

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:08 PM



#50

Toluene-d8

Concen: 52.30 ug/l

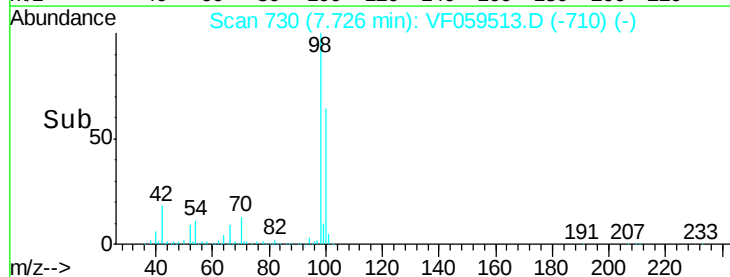
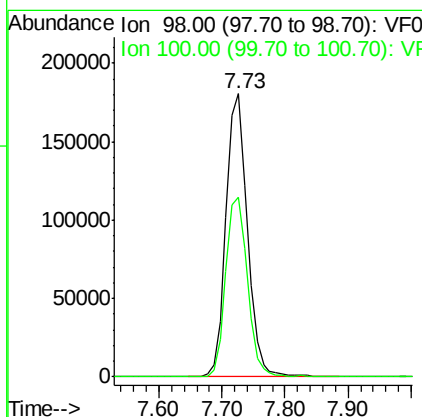
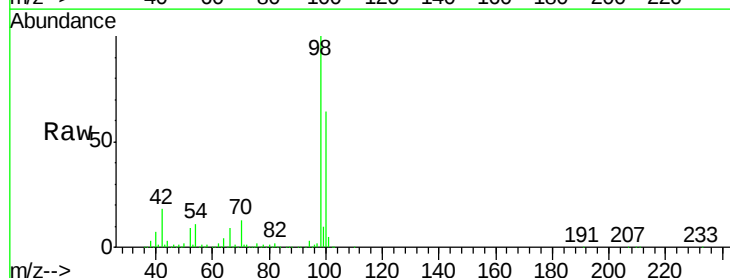
RT: 7.73 min Scan# 730

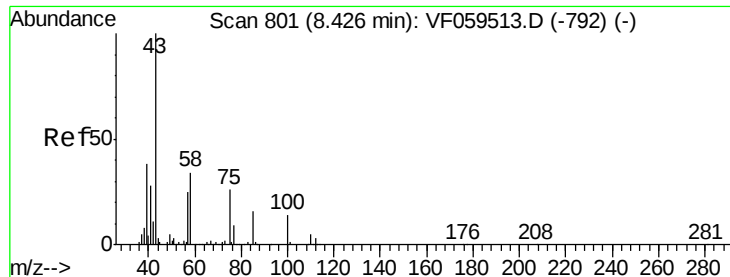
Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion:	98	Resp:	424340
Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 246.74 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 488053

Ion Ratio Lower Upper

43 100

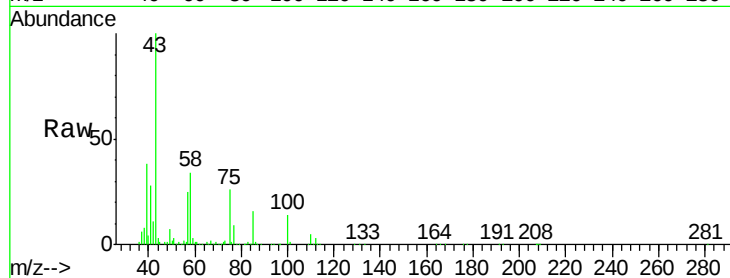
58 34.3 27.4 41.2

Manual Integrations

APPROVED

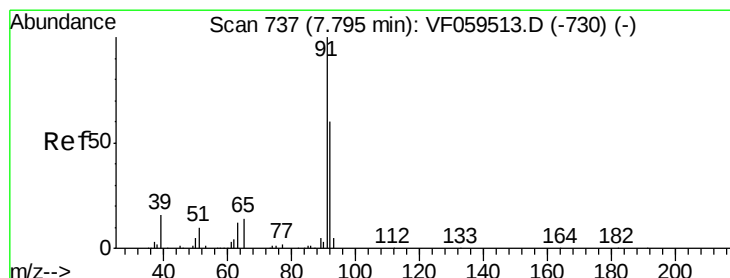
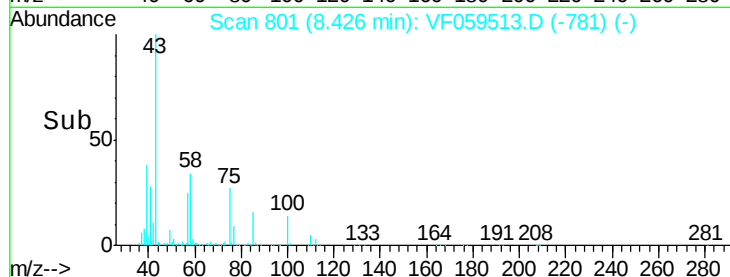
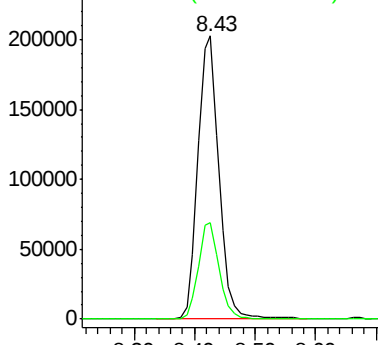
apatel

7/18/2018 3:16:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.75 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059513.D

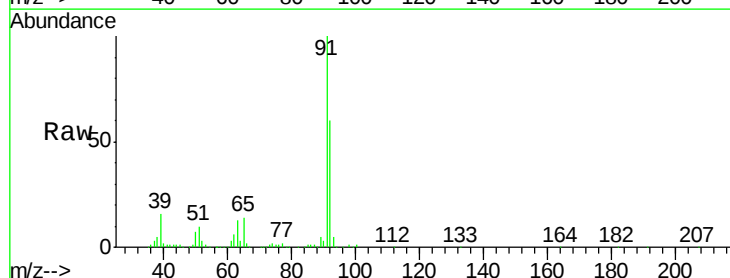
Acq: 17 Jul 2018 18:01

Tgt Ion: 92 Resp: 245872

Ion Ratio Lower Upper

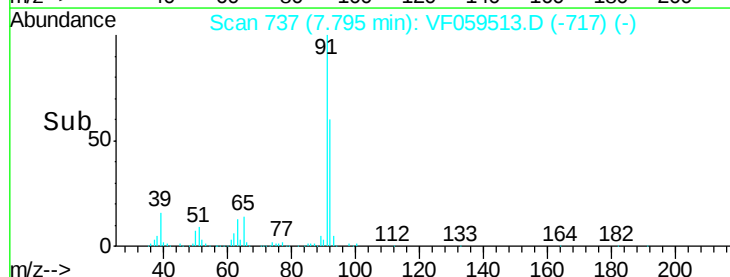
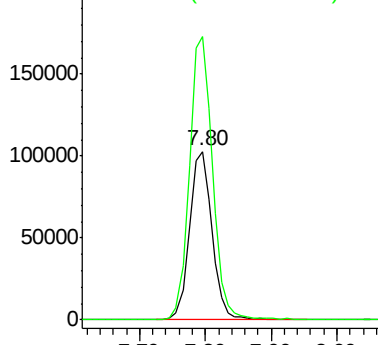
92 100

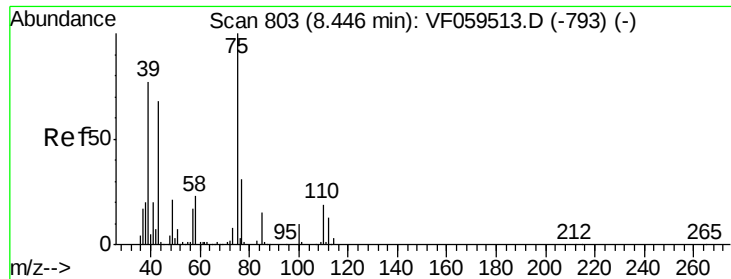
91 167.8 134.2 201.4



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: 50.38 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 215454

Ion Ratio Lower Upper

75 100

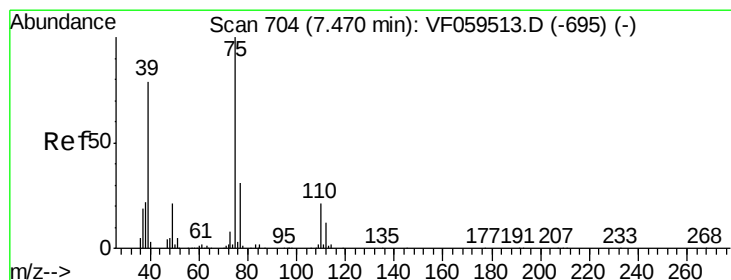
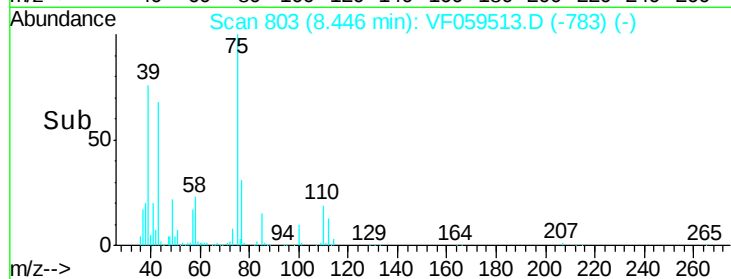
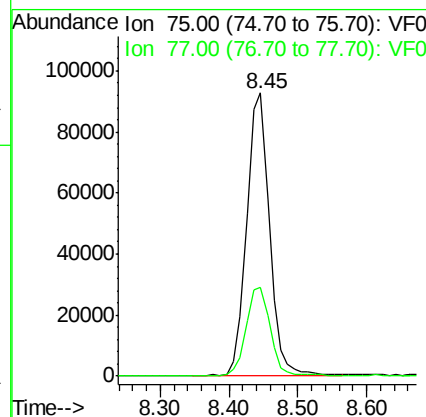
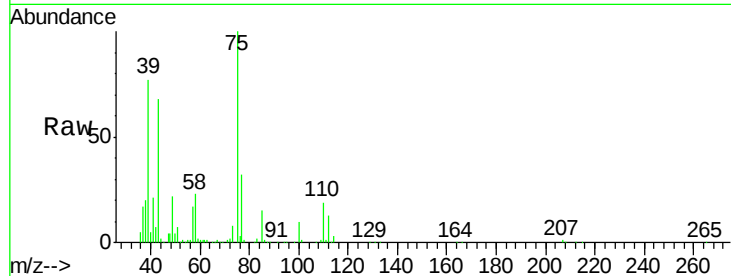
77 31.6 25.3 37.9

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:08 PM



#54

cis-1,3-Dichloropropene

Concen: 49.37 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

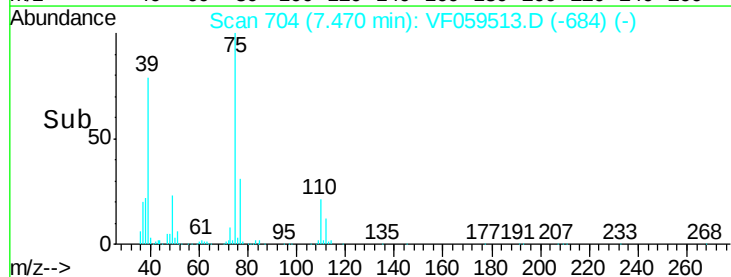
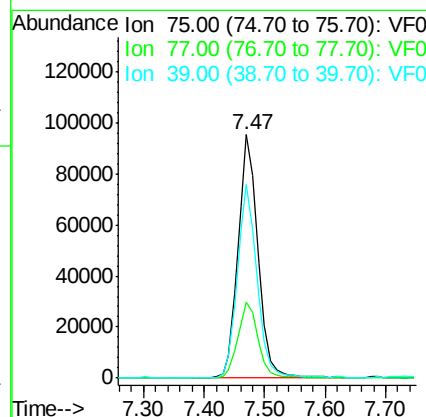
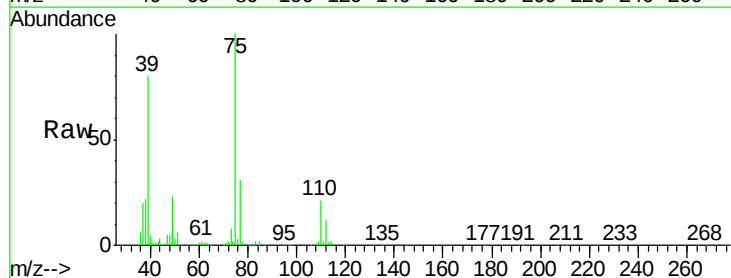
Tgt Ion: 75 Resp: 219064

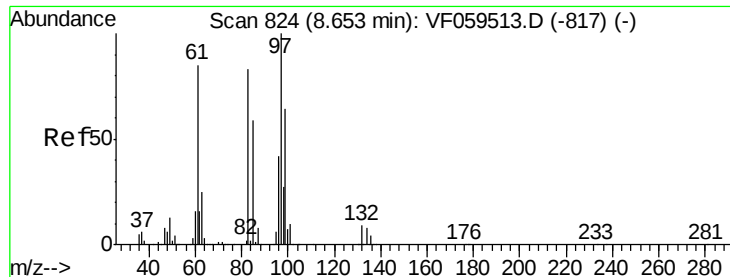
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 79.7 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 48.63 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

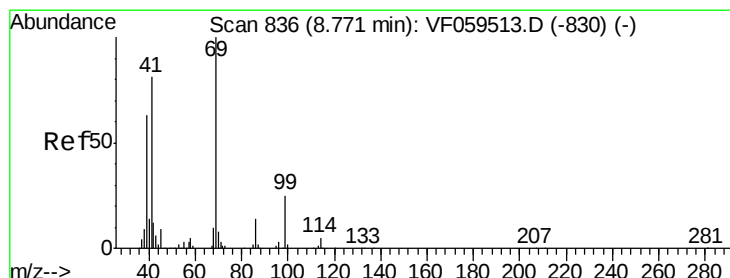
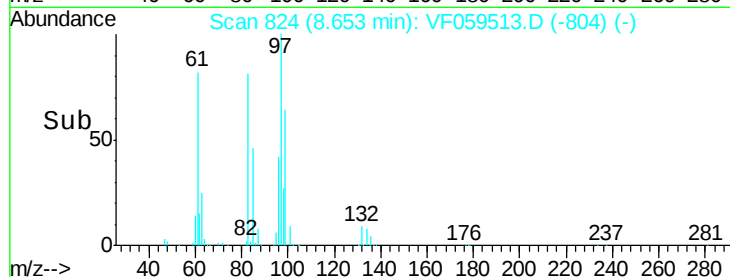
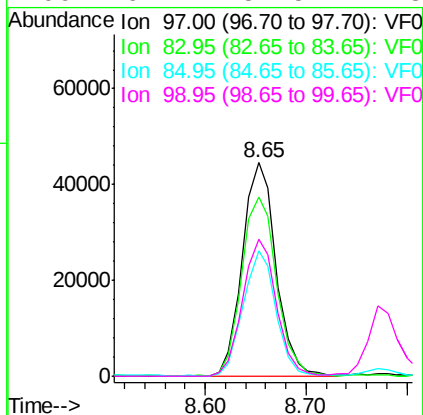
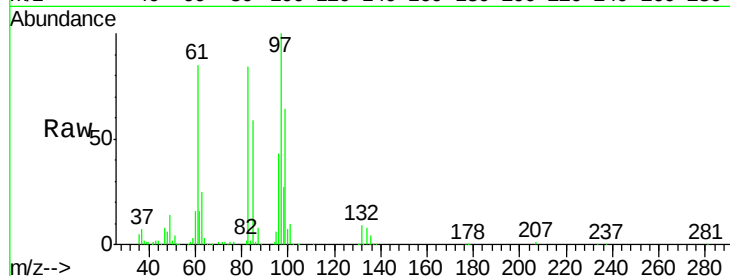
VSTDICCC050

Tot Ion:	97	Resp:	104092
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.9	100.3
85	58.6	46.9	70.3
99	64.4	51.5	77.3

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:08 PM



#56

Ethyl methacrylate

Concen: 48.16 ug/l

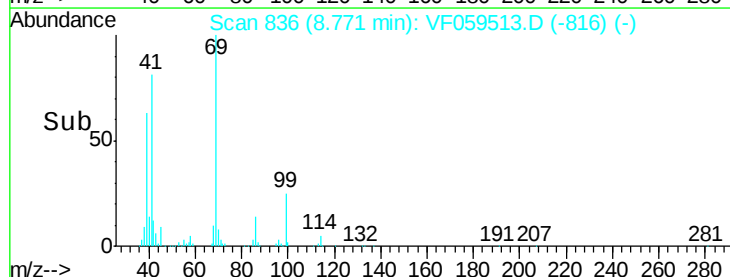
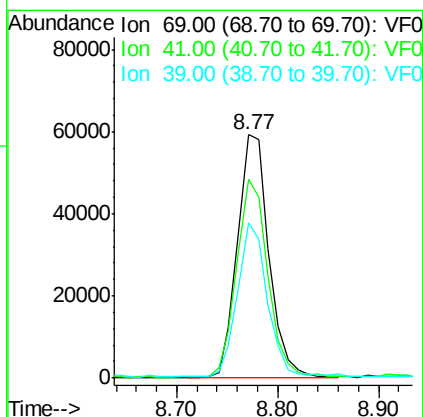
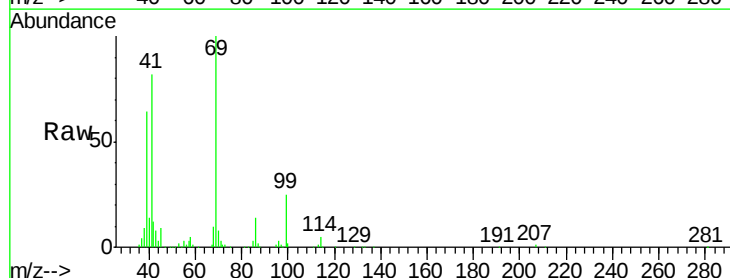
RT: 8.77 min Scan# 836

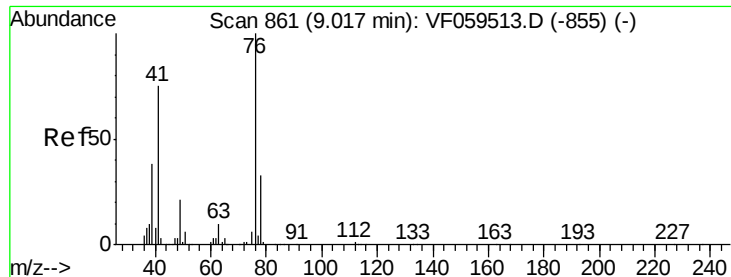
Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion:	69	Resp:	129829
Ion	Ratio	Lower	Upper
69	100		
41	81.8	65.4	98.2
39	63.7	51.0	76.4





#57

1,3-Dichloropropane

Concen: 47.84 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 174215

Ion Ratio Lower Upper

76 100

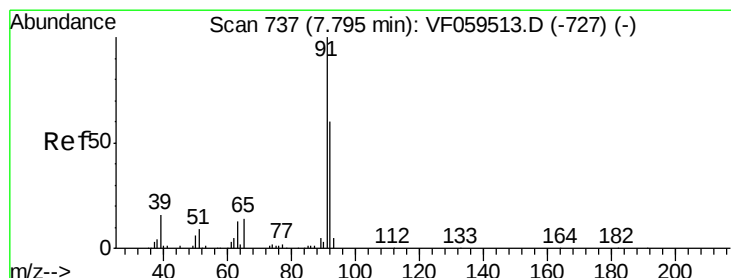
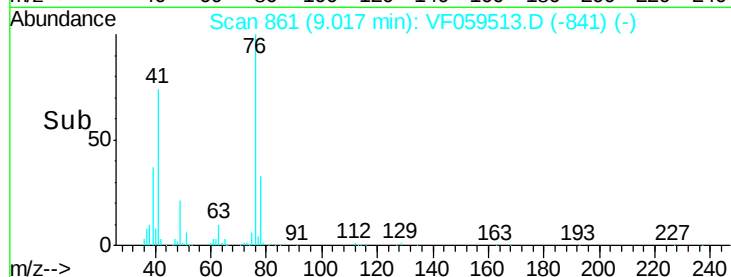
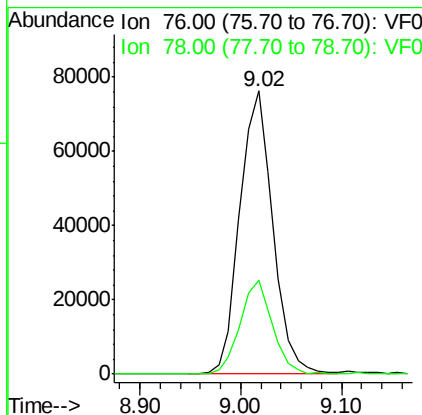
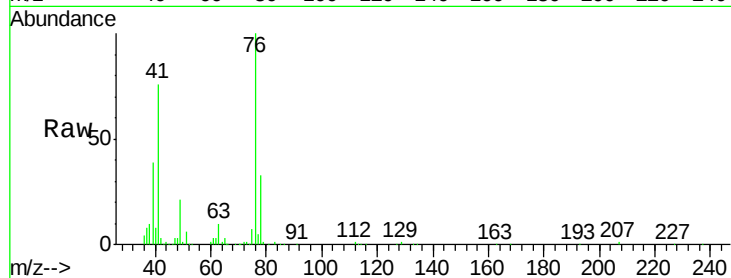
78 33.0 26.4 39.6

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:08 PM



#58

2-Chloroethyl Vinyl ether

Concen: 239.47 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF059513.D

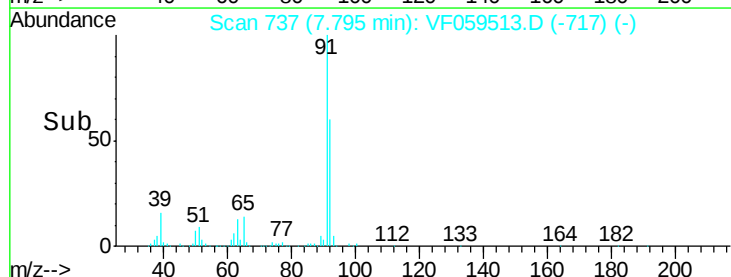
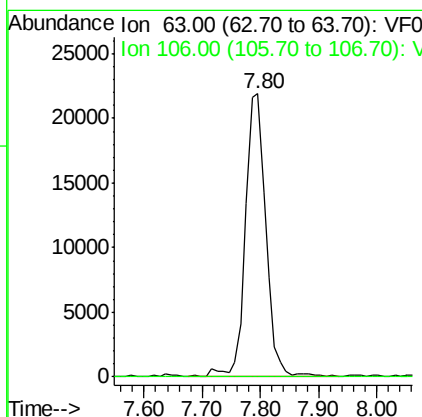
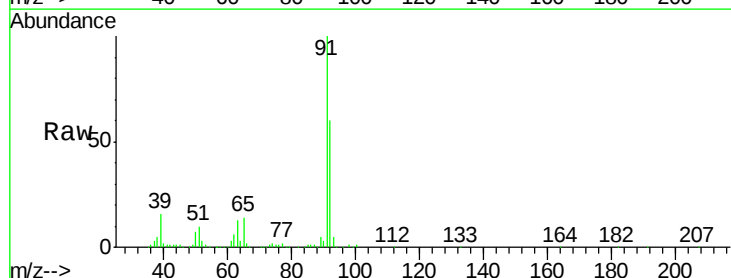
Acq: 17 Jul 2018 18:01

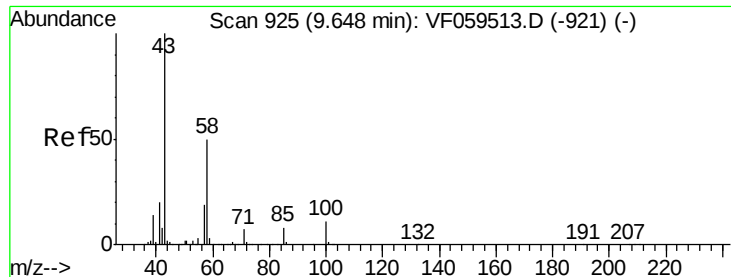
Tgt Ion: 63 Resp: 53912

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





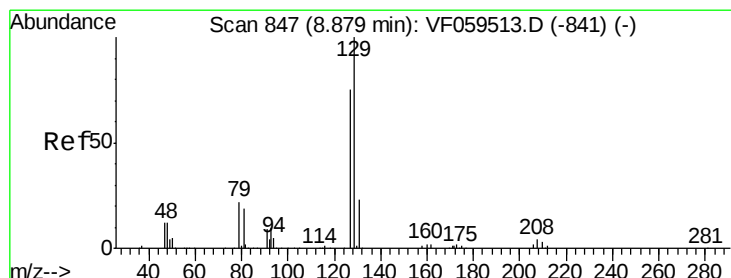
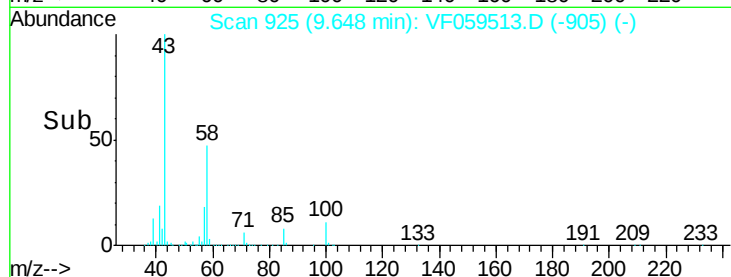
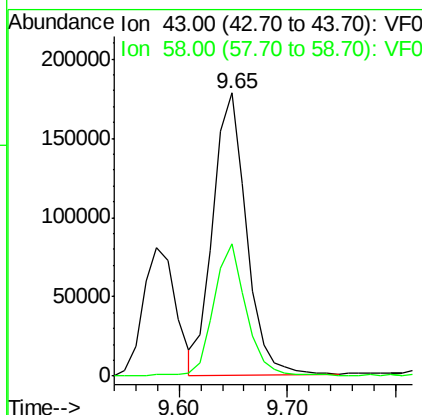
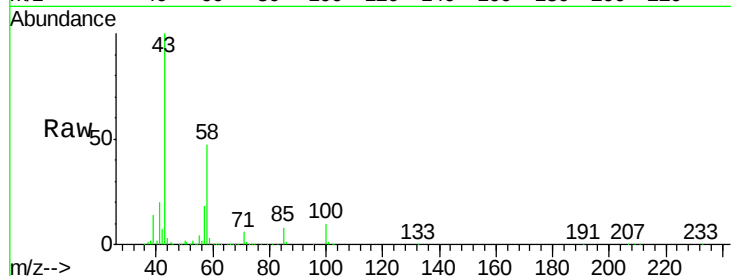
#59
2-Hexanone
Concen: 246.02 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 381798
Ion Ratio Lower Upper
43 100
58 46.6 23.3 69.9

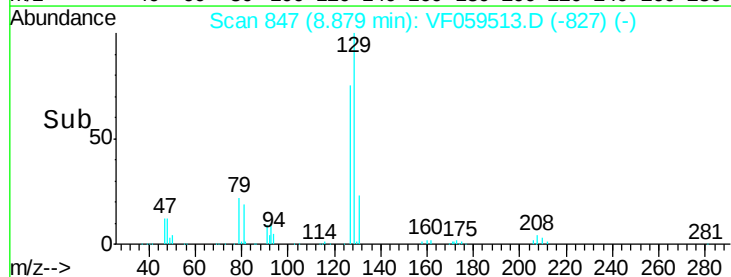
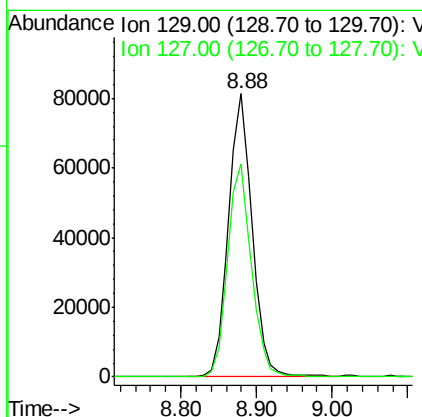
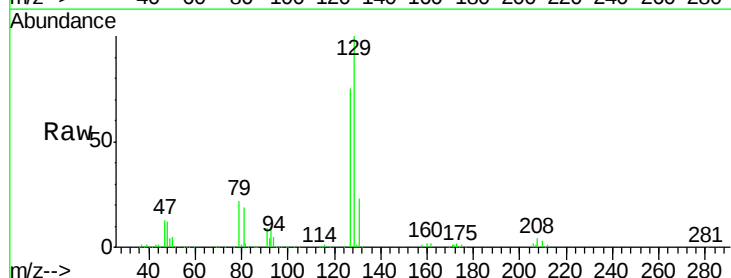
Manual Integrations
APPROVED

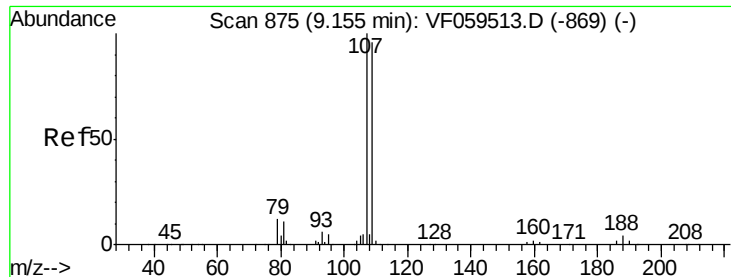
apatel
7/18/2018 3:16:08 PM



#60
Dibromochloromethane
Concen: 50.58 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion: 129 Resp: 175730
Ion Ratio Lower Upper
129 100
127 75.2 37.6 112.8





#61

1,2-Dibromoethane

Concen: 47.31 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 122567

Ion Ratio Lower Upper

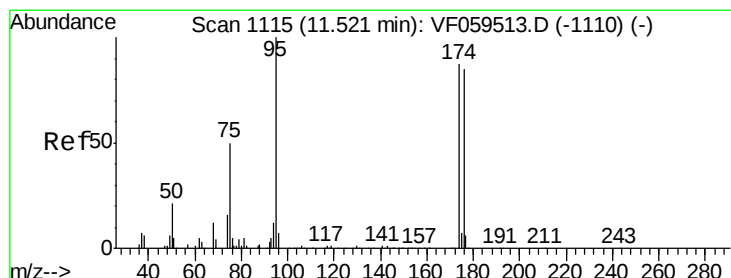
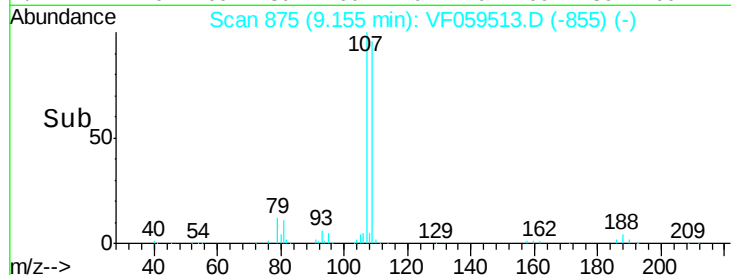
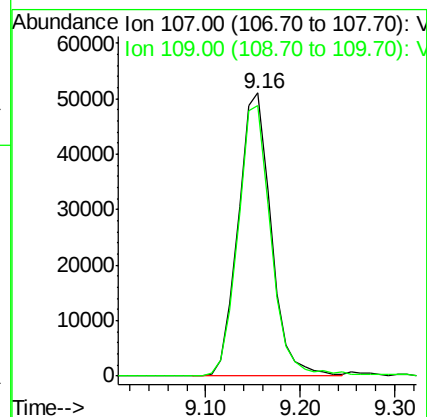
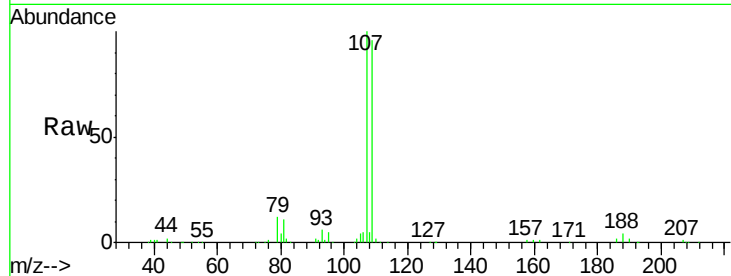
107 100

109 95.6 76.5 114.7

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:08 PM



#62

4-Bromofluorobenzene

Concen: 50.04 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

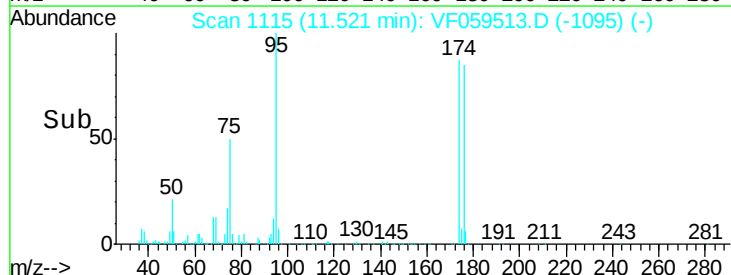
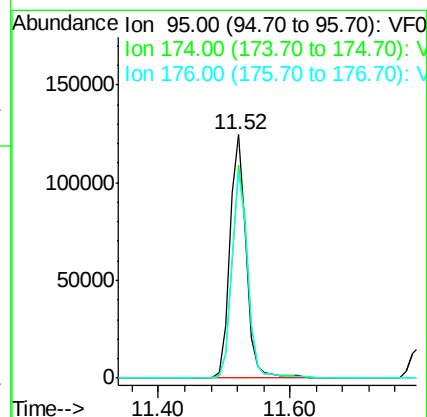
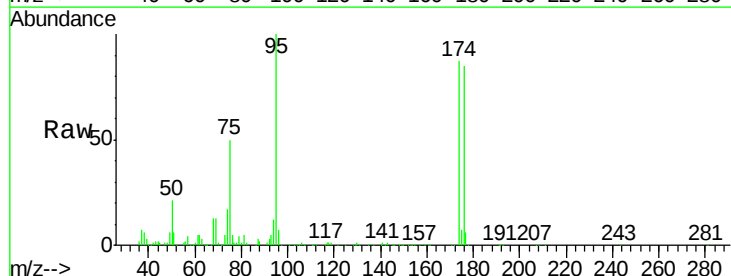
Tgt Ion: 95 Resp: 215715

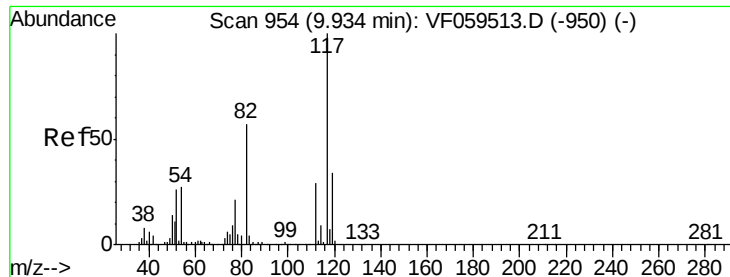
Ion Ratio Lower Upper

95 100

174 87.2 0.0 174.4

176 84.7 0.0 169.4





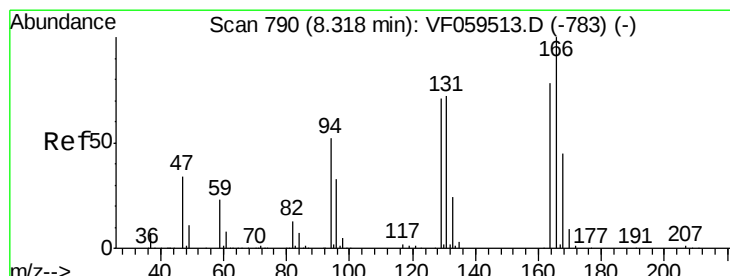
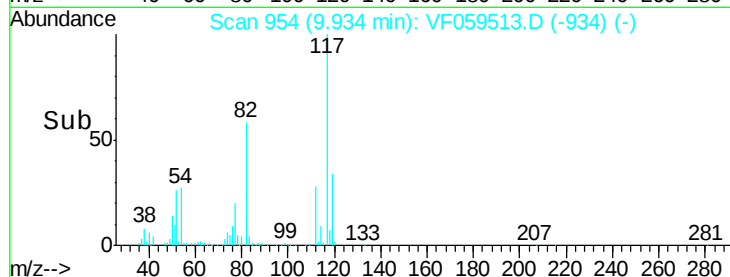
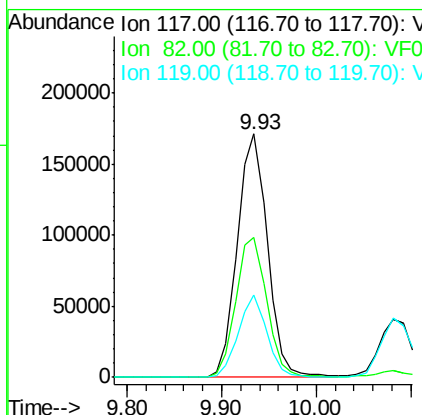
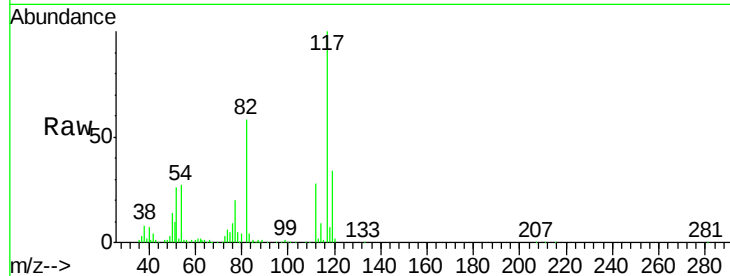
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.1	69.1
119	34.0	27.2	40.8

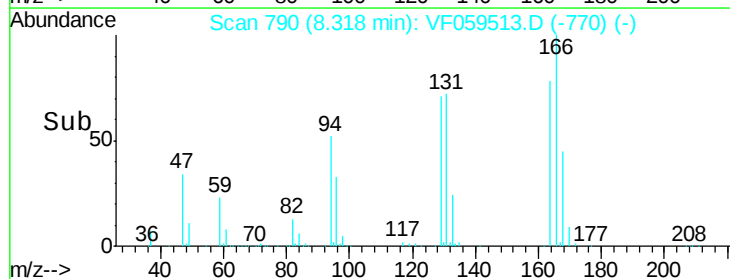
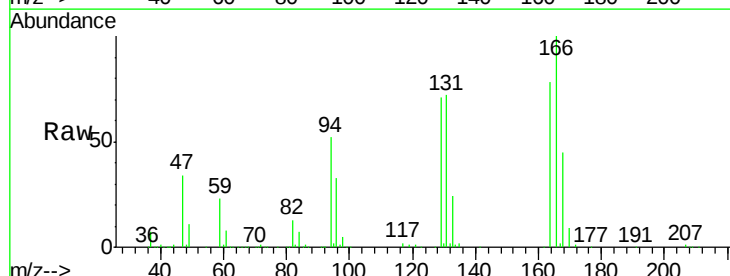
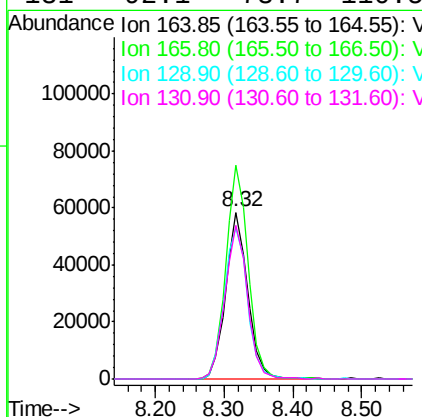
Manual Integrations
APPROVED

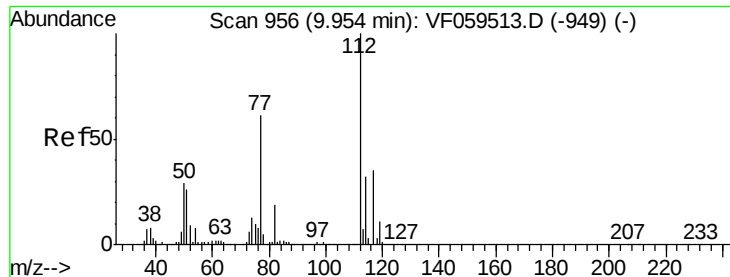
apatel
7/18/2018 3:16:08 PM



#64
Tetrachloroethene
Concen: 43.21 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.3	153.5
129	90.5	72.4	108.6
131	92.1	73.7	110.5





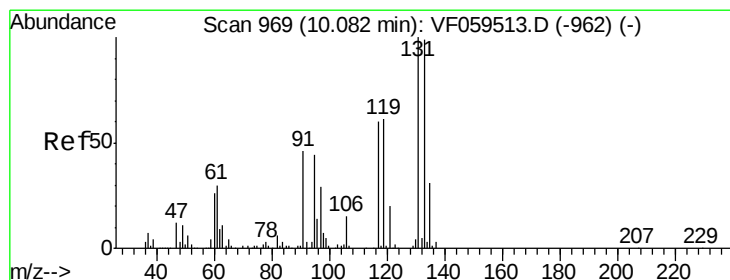
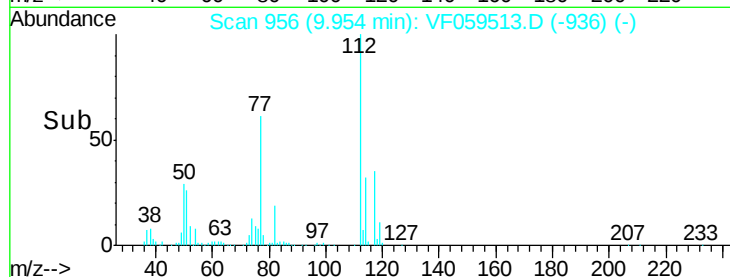
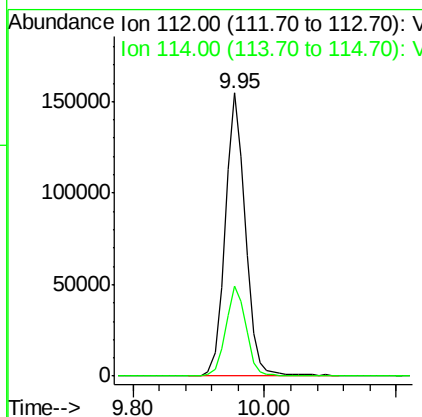
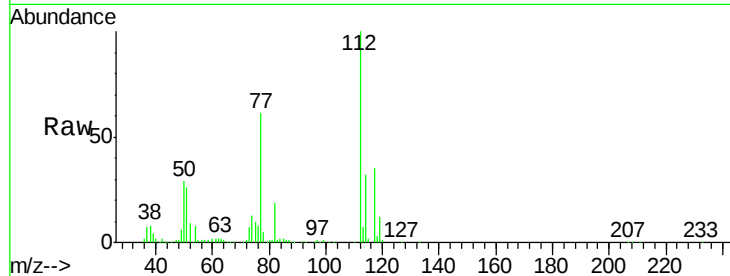
#65
Chlorobenzene
Concen: 46.38 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

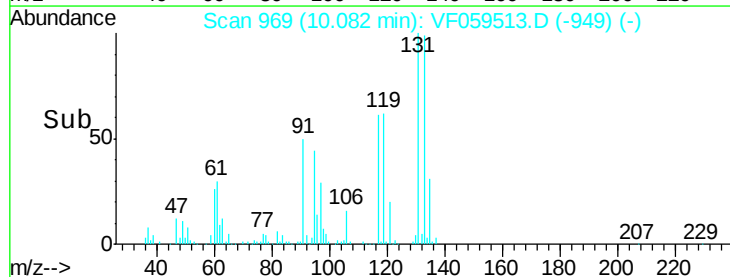
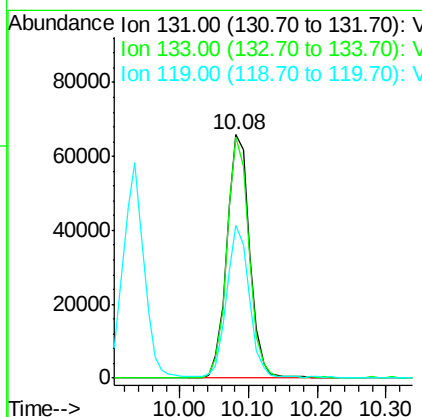
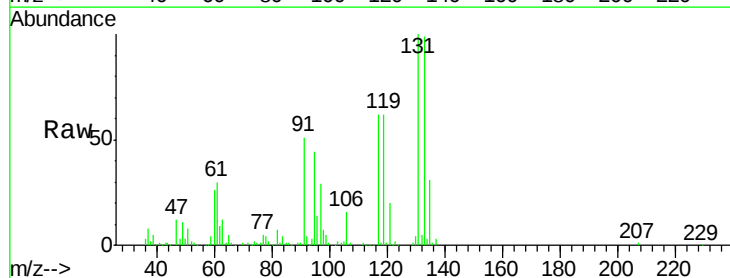
Manual Integrations
APPROVED

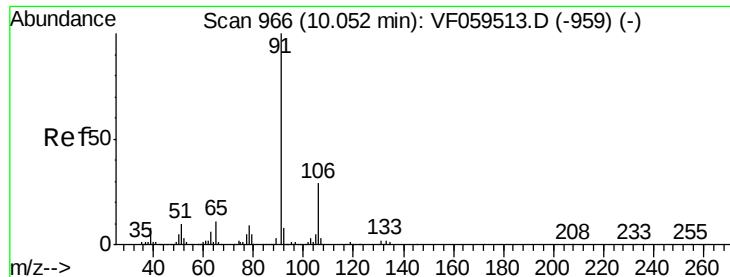
apatel
7/18/2018 3:16:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.88 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.2	49.6	148.8
119	62.9	31.4	94.3





#67

Ethyl Benzene

Concen: 45.38 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 578634

Ion Ratio Lower Upper

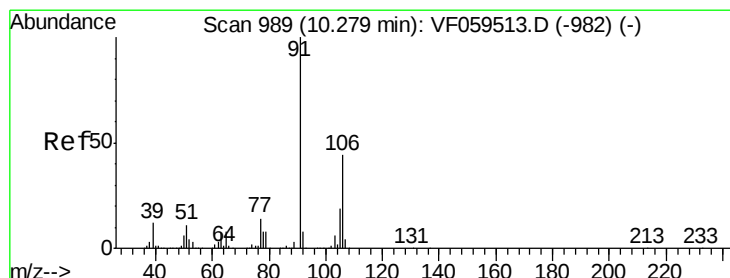
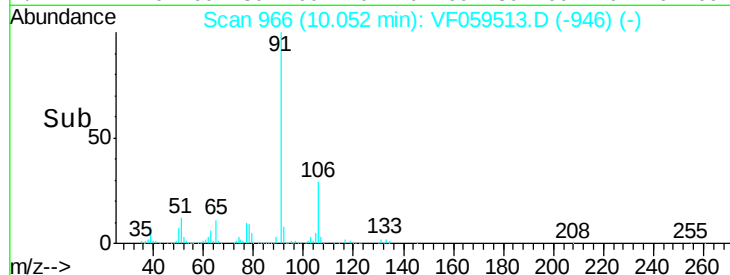
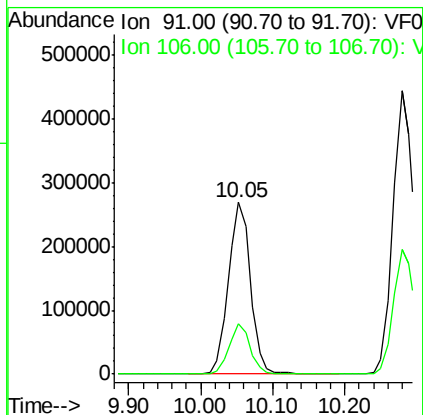
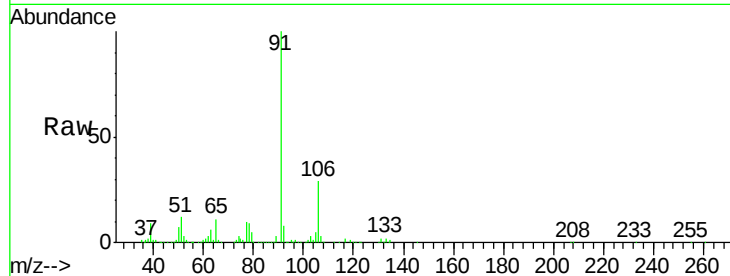
91 100

106 29.3 23.4 35.2

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:08 PM



#68

m/p-Xylenes

Concen: 89.72 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059513.D

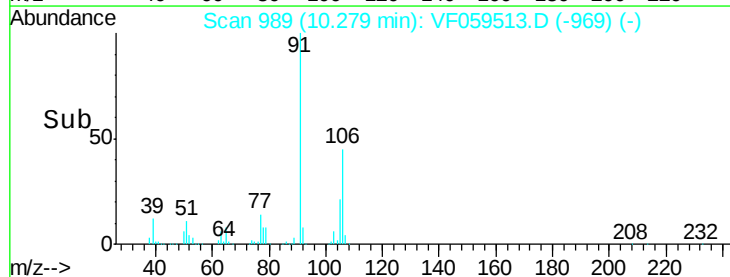
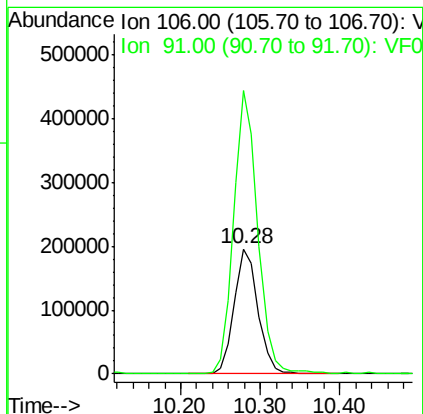
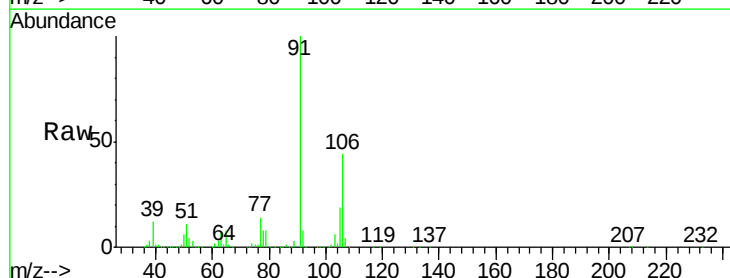
Acq: 17 Jul 2018 18:01

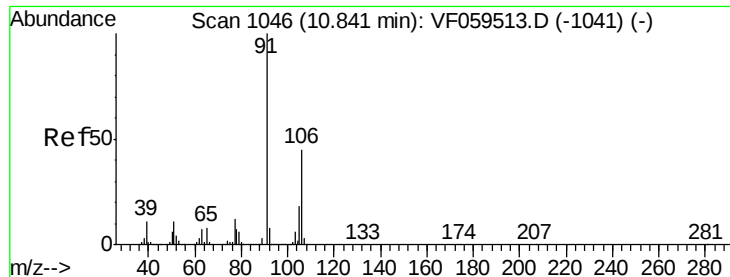
Tgt Ion: 106 Resp: 409750

Ion Ratio Lower Upper

106 100

91 226.2 181.0 271.4





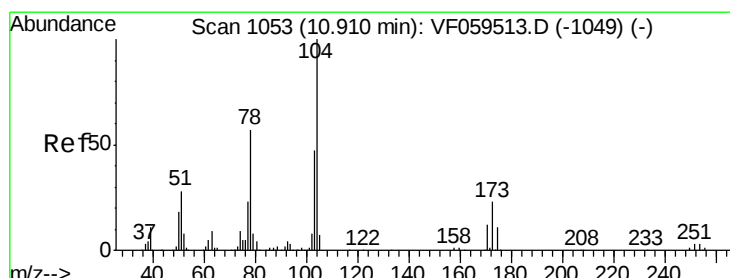
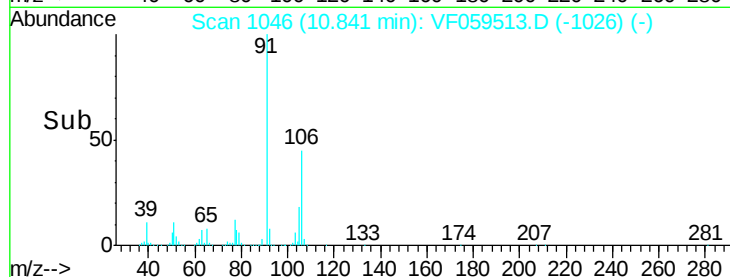
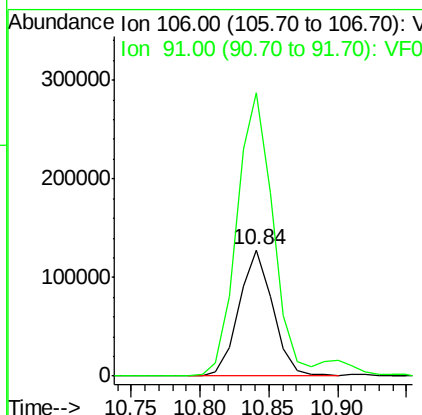
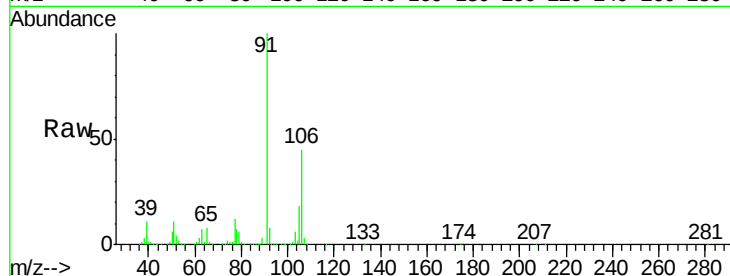
#69
o-Xylene
Concen: 46.43 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	220330		
91	91	224.6	112.3	336.9	

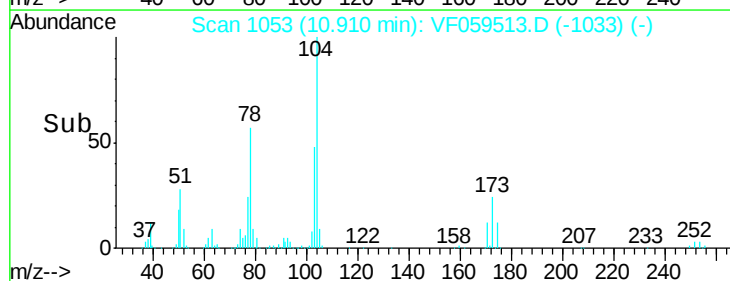
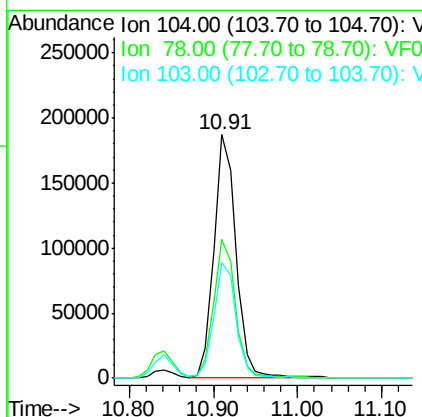
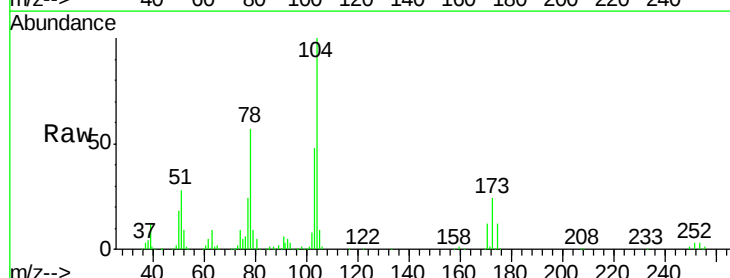
Manual Integrations
APPROVED

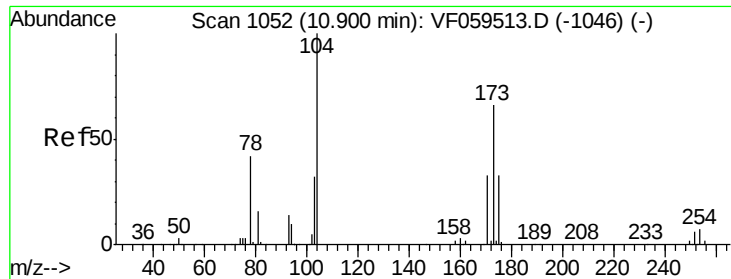
apatel
7/18/2018 3:16:08 PM



#70
Styrene
Concen: 45.06 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	338301		
78	78	57.1	45.7	68.5	
103	103	47.6	38.1	57.1	





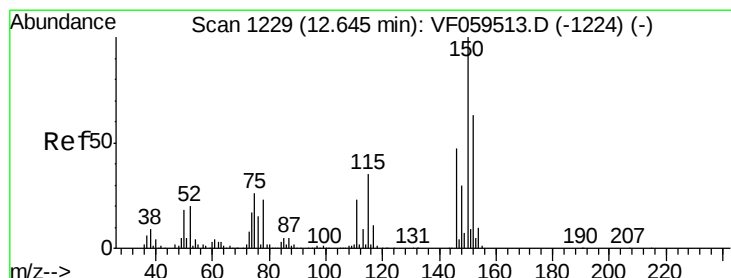
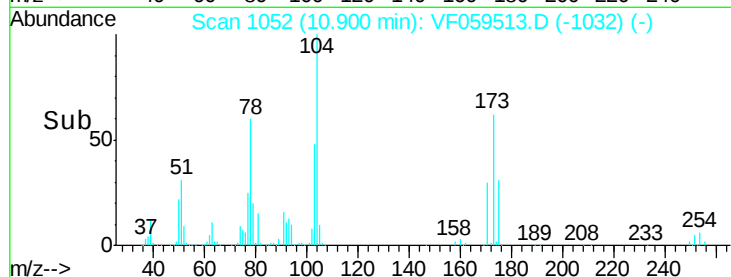
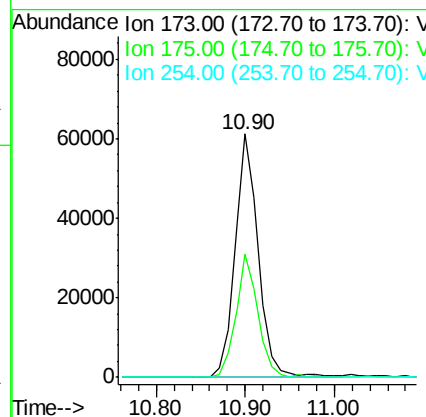
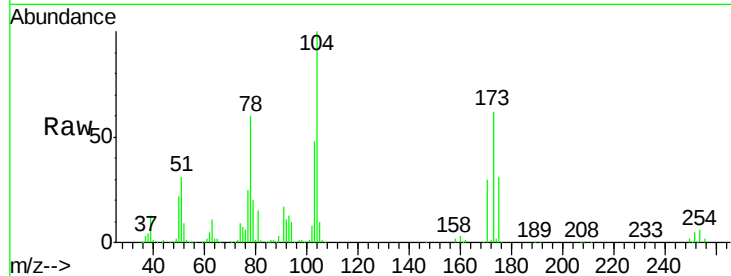
#71
Bromoform
Concen: 47.51 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	25.3	75.8
254	0.0	0.0	0.0

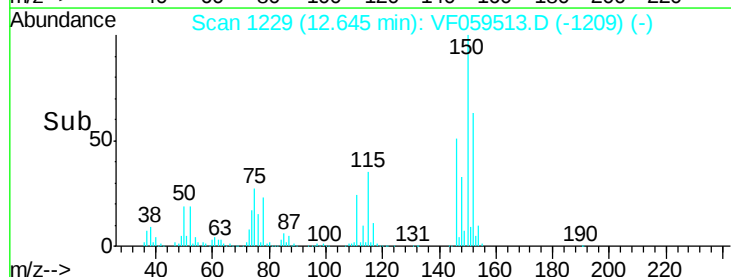
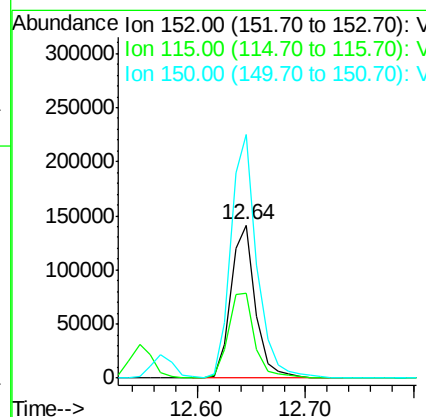
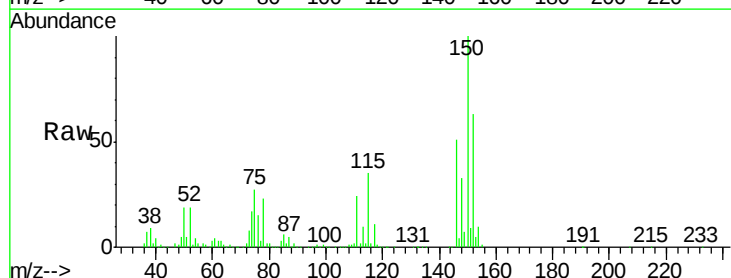
Manual Integrations
APPROVED

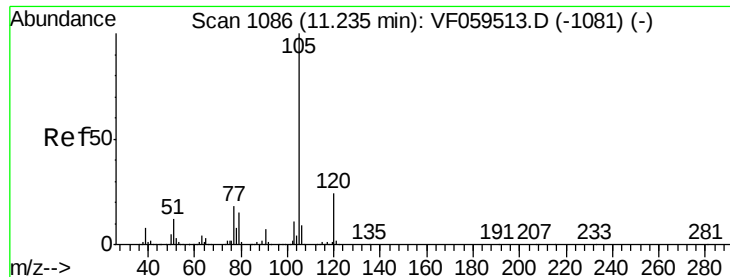
apatel
7/18/2018 3:16:08 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.3
150	159.2	0.0	318.4





#73

Isopropylbenzene

Concen: 46.92 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 669411

Ion Ratio Lower Upper

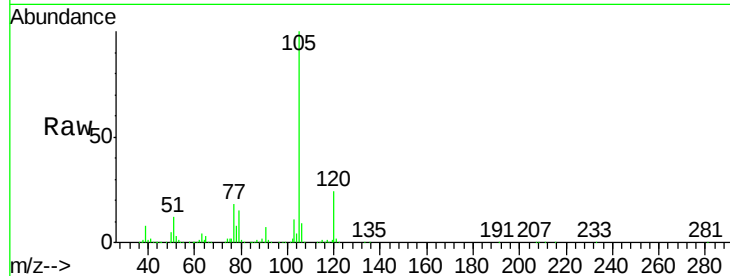
105 100

120 24.0 12.0 36.0

Manual Integrations
APPROVED

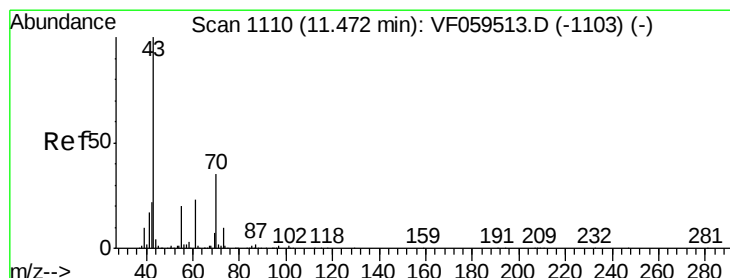
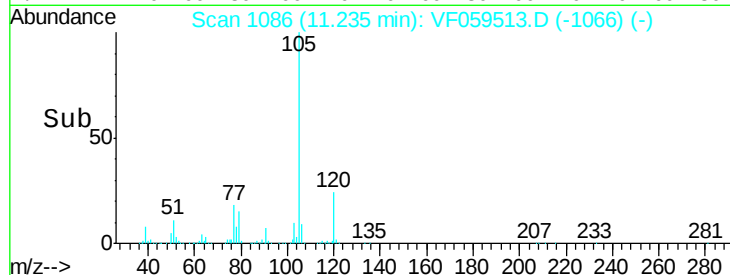
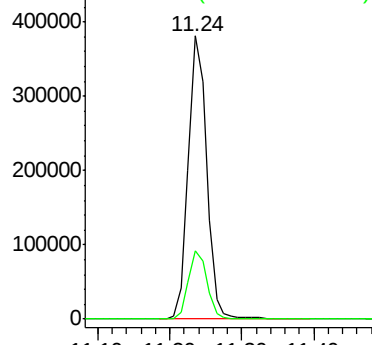
apatel

7/18/2018 3:16:08 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: 43.50 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion: 43 Resp: 220224

Ion Ratio Lower Upper

43 100

70 34.9 27.9 41.9

55 20.2 16.2 24.2

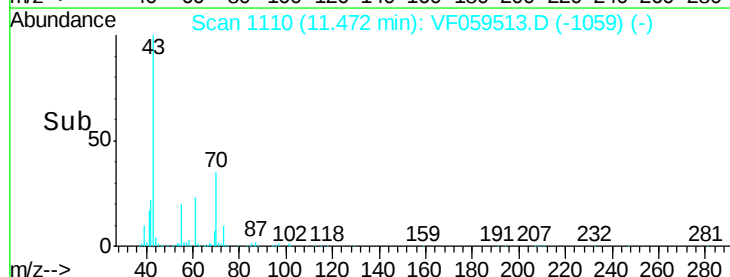
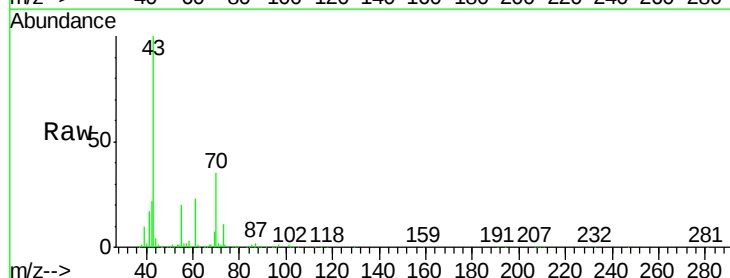
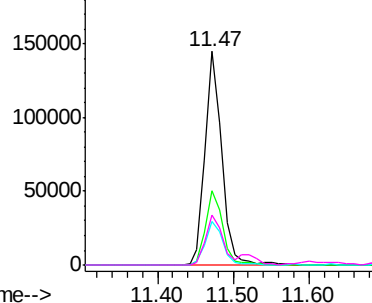
61 23.2 18.6 27.8

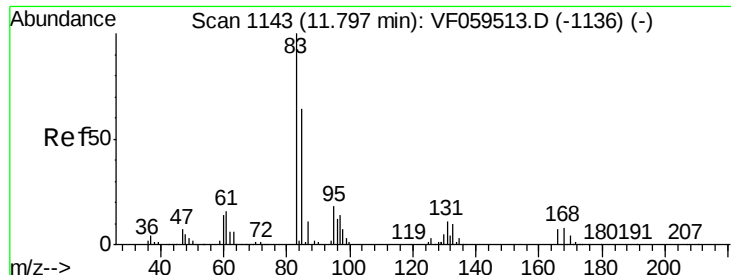
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 47.85 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

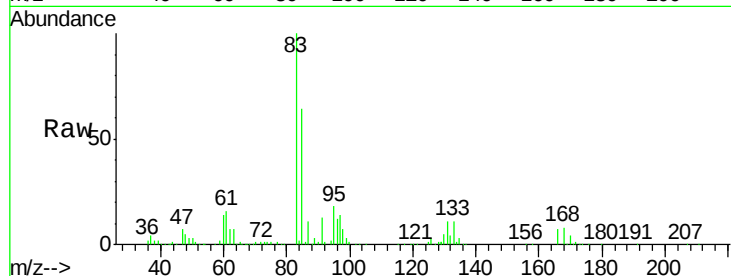
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	149711
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	63.9	31.9	95.9

Manual Integrations
APPROVED

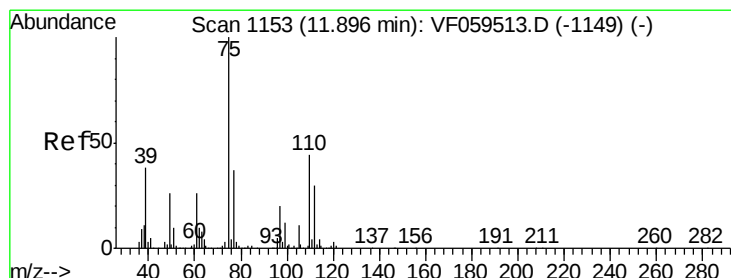
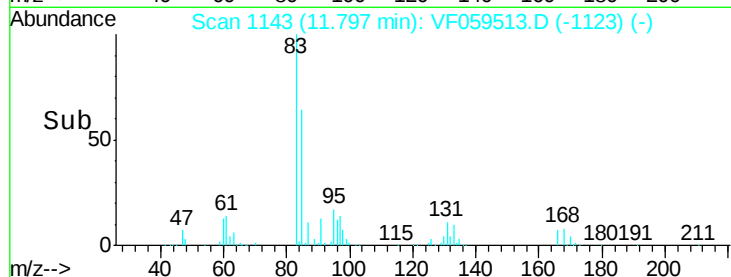
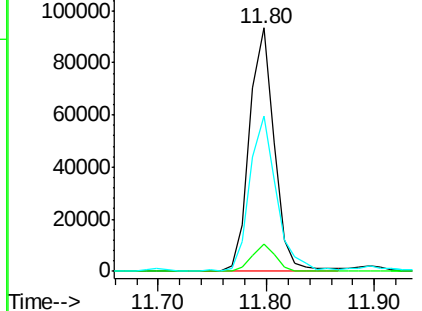
apatel
7/18/2018 3:16:08 PM



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 46.11 ug/l

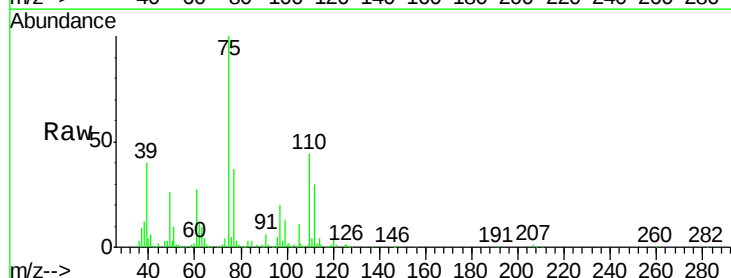
RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059513.D

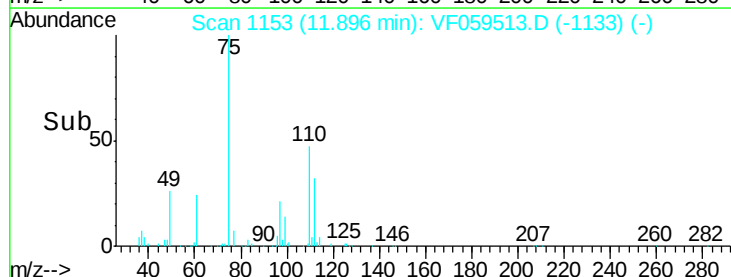
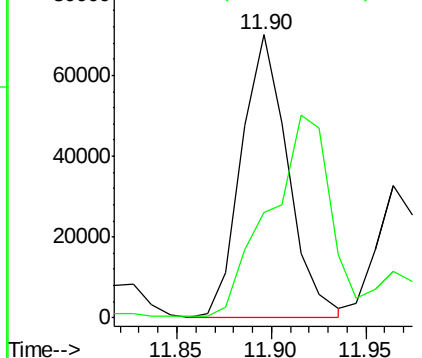
Acq: 17 Jul 2018 18:01

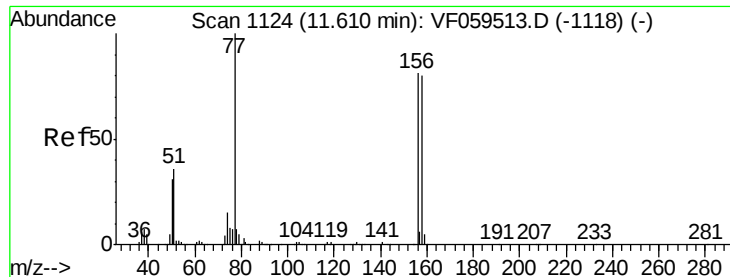
Tgt Ion:	75	Resp:	118951
Ion Ratio	Lower	Upper	
75	100		
77	37.4	18.7	56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 46.80 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

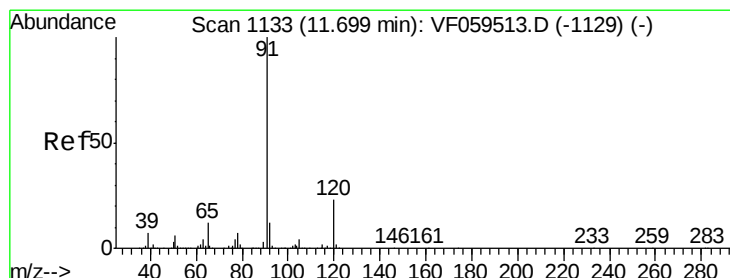
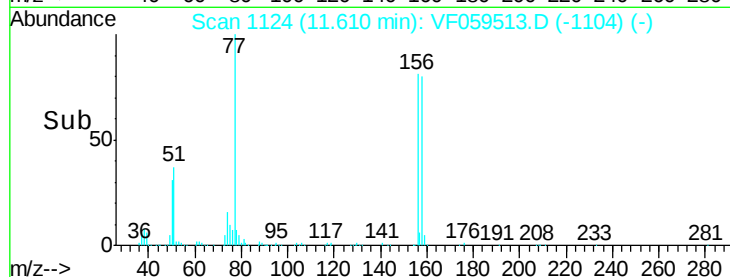
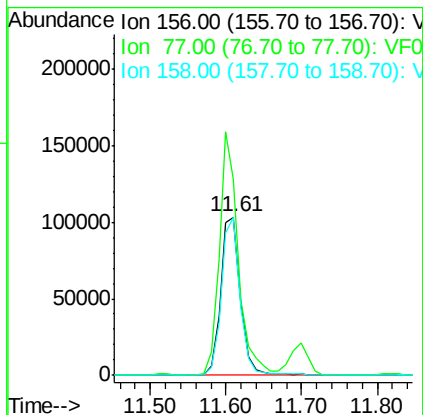
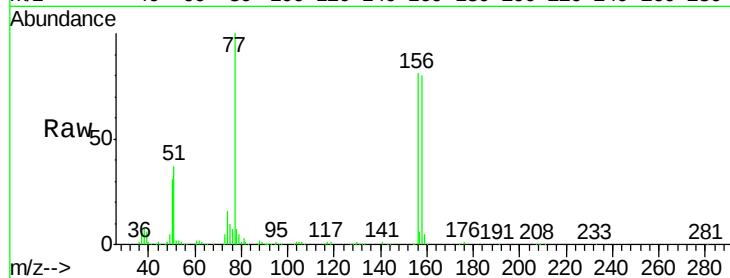
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	188157
Ion Ratio	Lower	Upper	
156	100		
77	124.0	62.0	186.0
158	99.5	49.8	149.3

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:08 PM



#78

n-propylbenzene

Concen: 45.51 ug/l

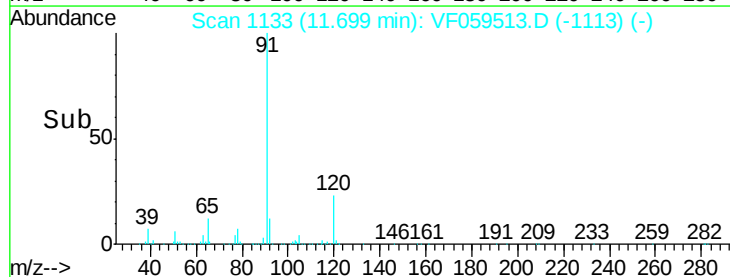
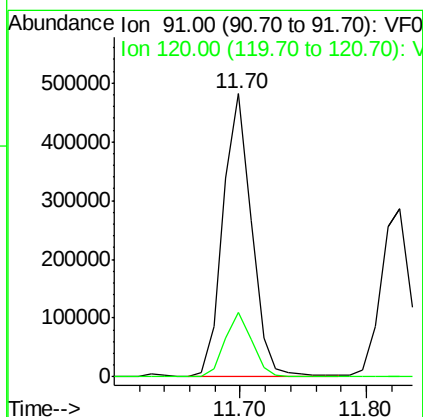
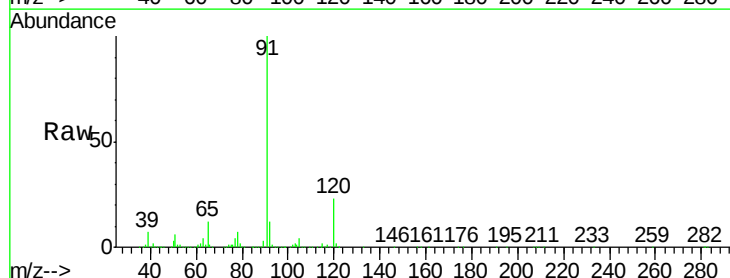
RT: 11.70 min Scan# 1133

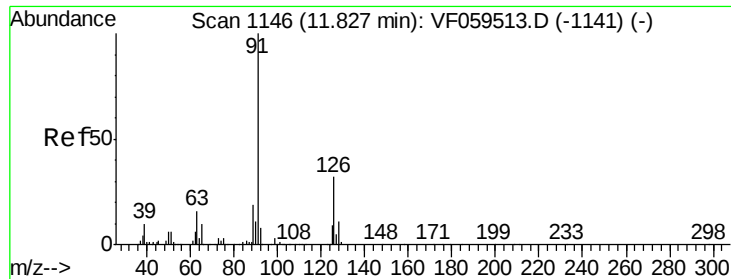
Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Tgt Ion:	91	Resp:	751709
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





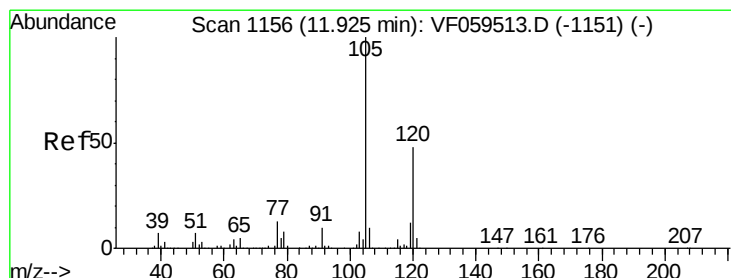
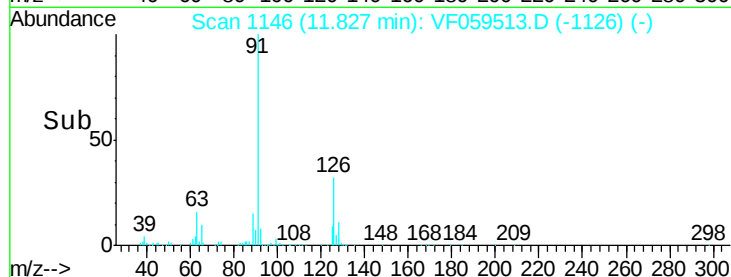
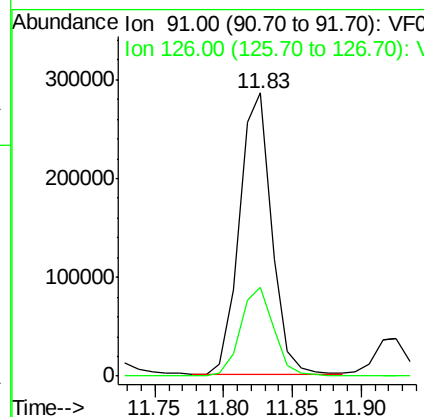
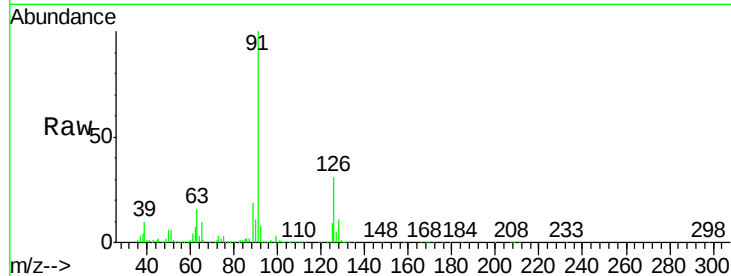
#79
 2-Chlorotoluene
 Concen: 46.20 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1

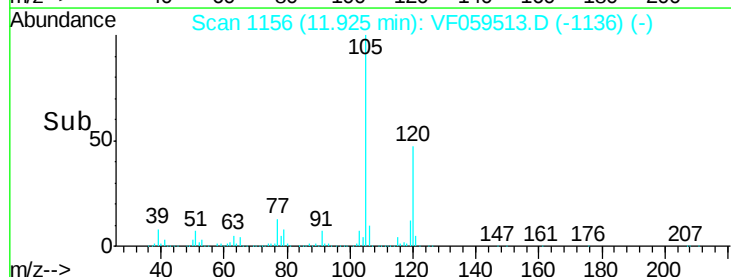
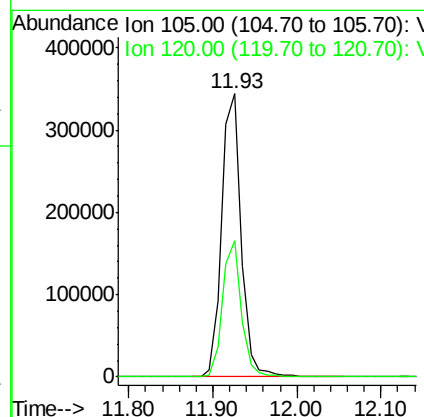
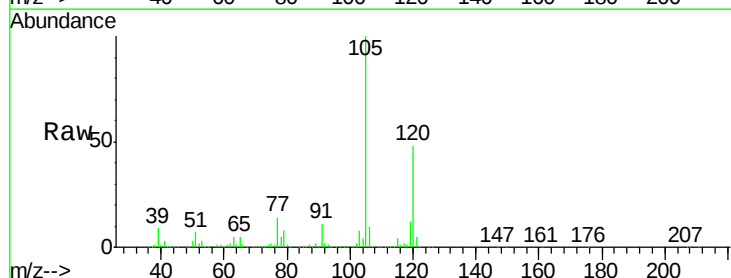
Manual Integrations
 APPROVED

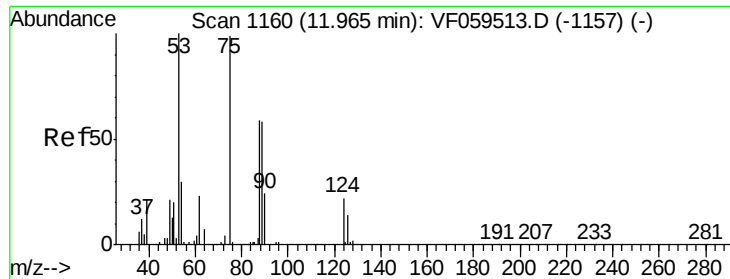
apatel
 7/18/2018 3:16:08 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 45.30 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 43.50 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059513.D

Acq: 17 Jul 2018 18:01

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 53204

Ion Ratio Lower Upper

75 100

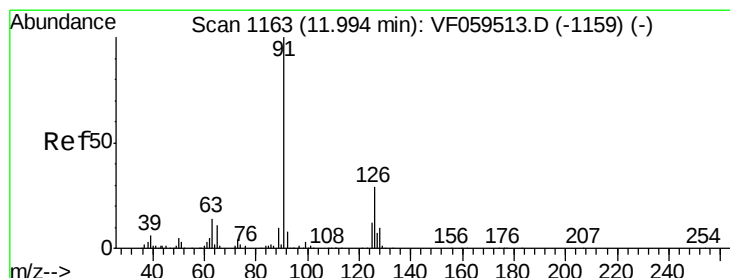
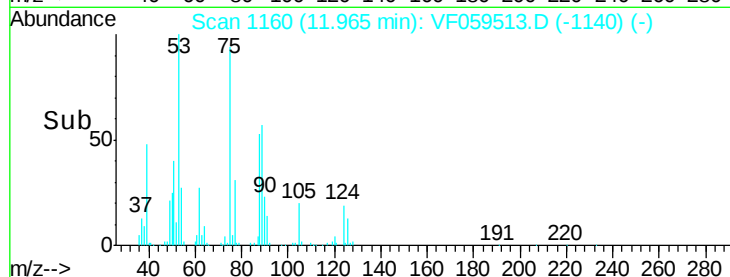
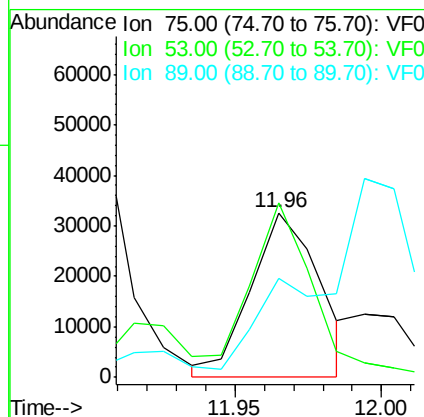
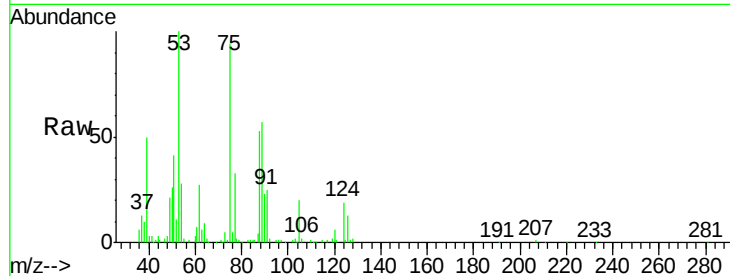
53 105.8 84.6 127.0

89 60.3 48.2 72.4

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:08 PM



#82

4-Chlorotoluene

Concen: 45.56 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059513.D

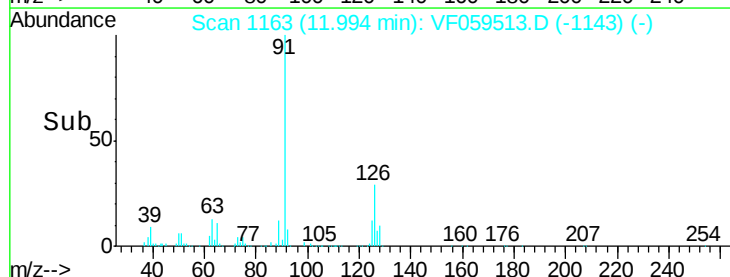
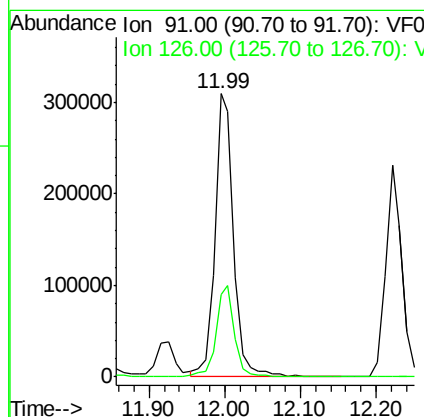
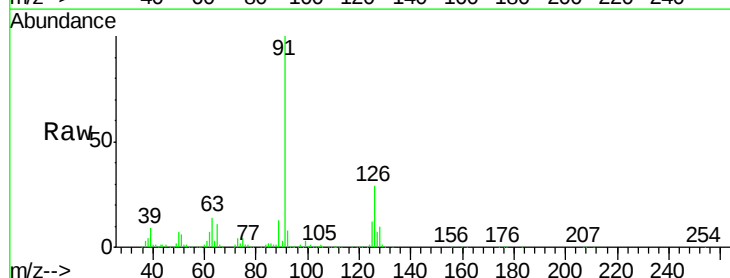
Acq: 17 Jul 2018 18:01

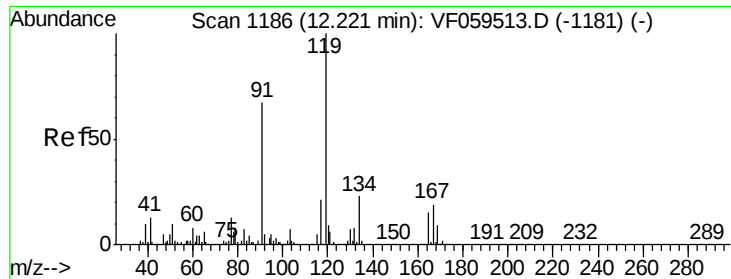
Tgt Ion: 91 Resp: 526910

Ion Ratio Lower Upper

91 100

126 28.9 14.4 43.4





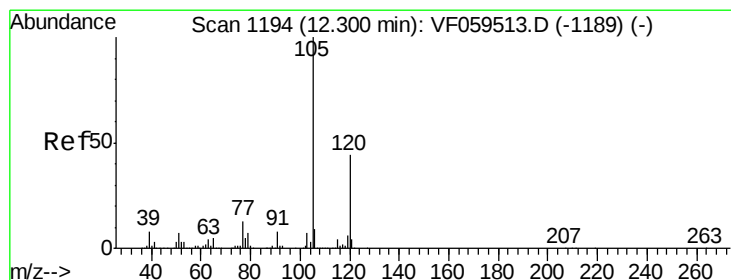
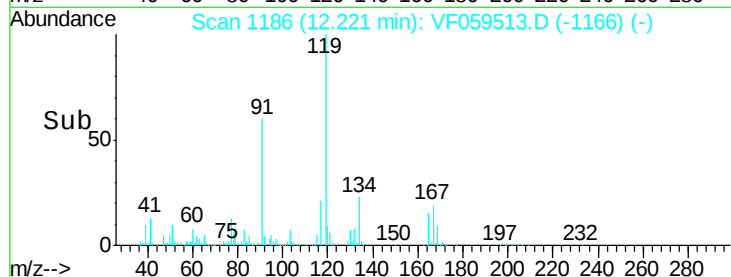
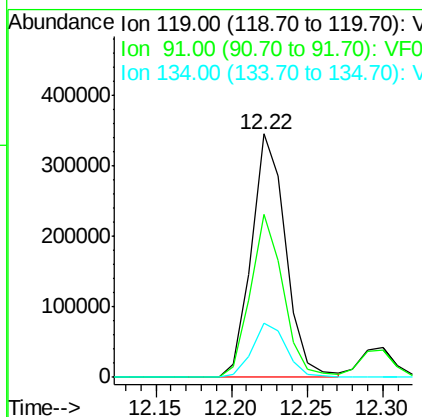
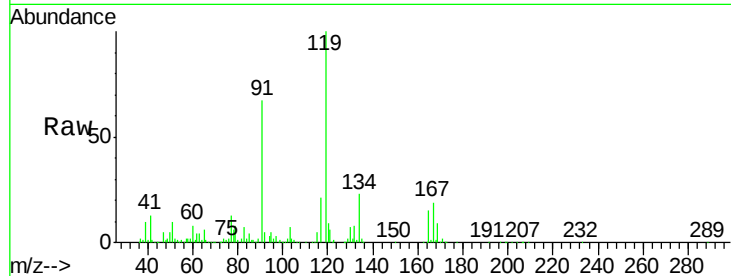
#83
tert-Butylbenzene
Concen: 47.54 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.5	100.5
134	22.5	11.3	33.8

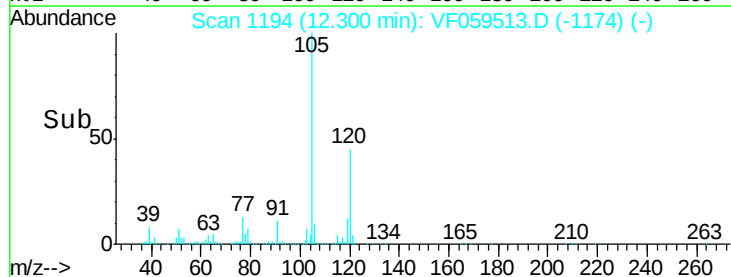
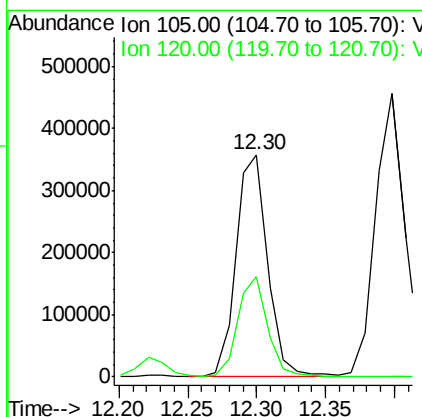
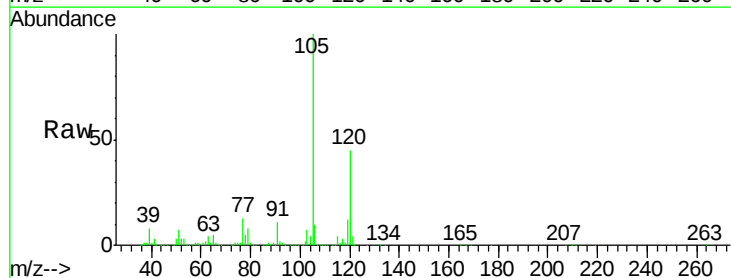
Manual Integrations
APPROVED

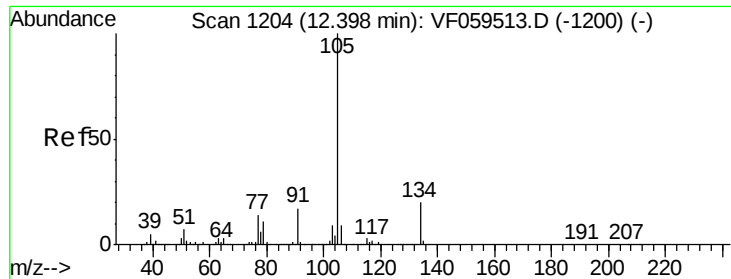
apatel
7/18/2018 3:16:08 PM



#84
1,2,4-Trimethylbenzene
Concen: 46.57 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.5	67.5





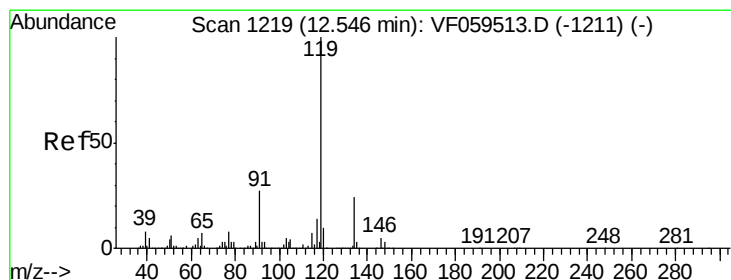
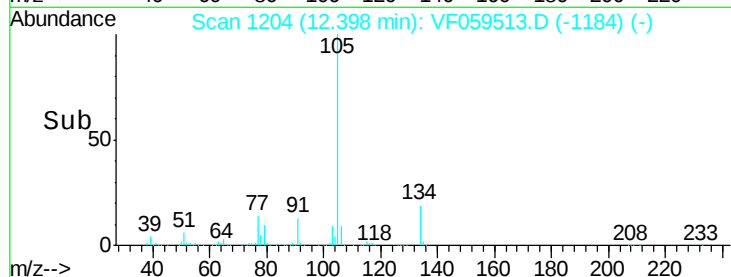
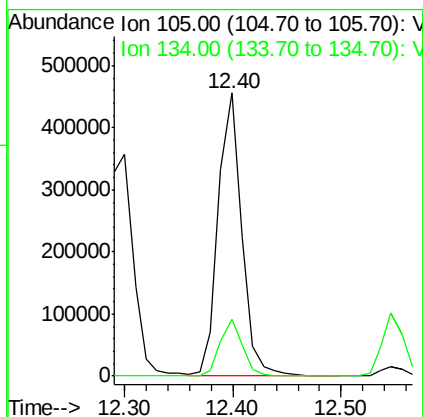
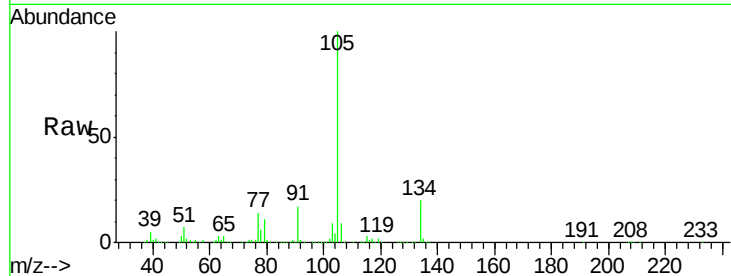
#85
 sec-Butylbenzene
 Concen: 47.34 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

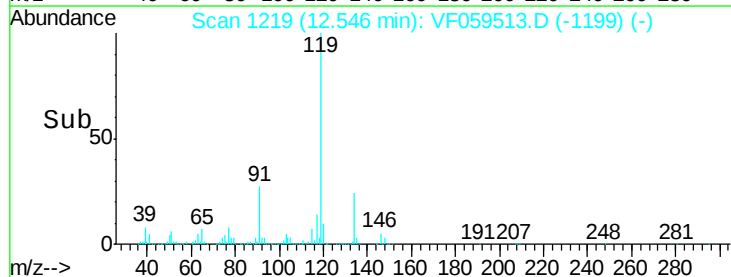
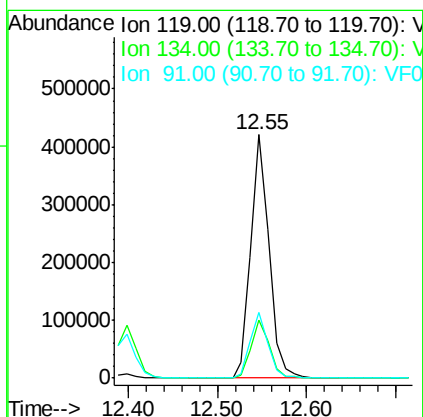
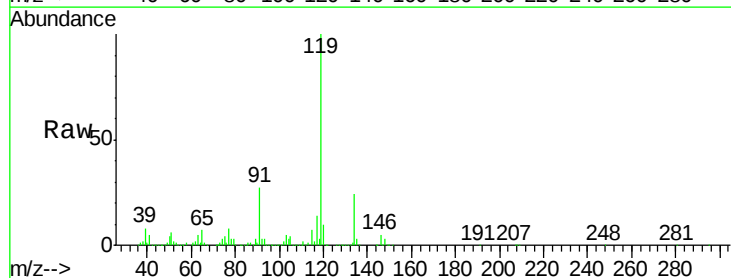
Manual Integrations
 APPROVED

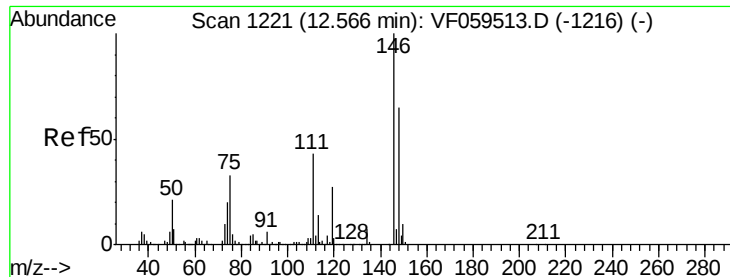
apatel
 7/18/2018 3:16:08 PM



#86
 p-Isopropyltoluene
 Concen: 46.29 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.0	12.0	36.0
91	26.9	13.5	40.4





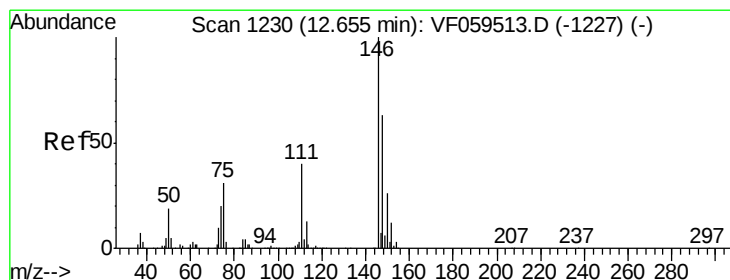
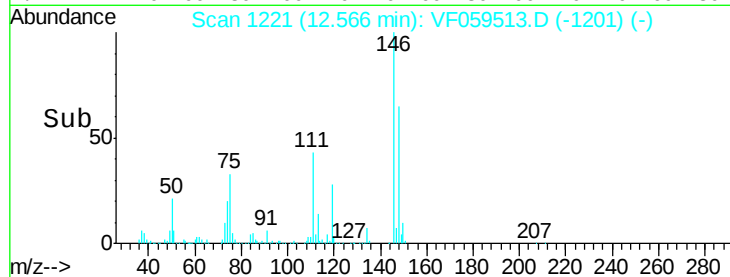
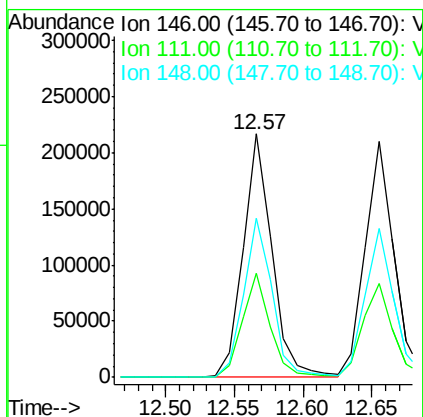
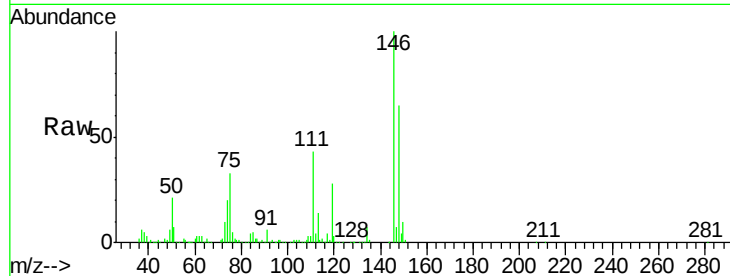
#87
 1,3-Dichlorobenzene
 Concen: 46.29 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		318640		
111	42.9	21.4	64.3		
148	65.4	32.7	98.1		

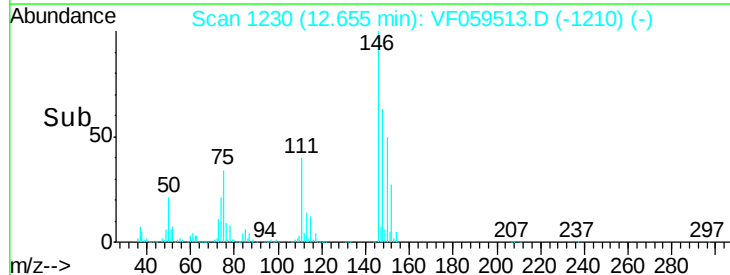
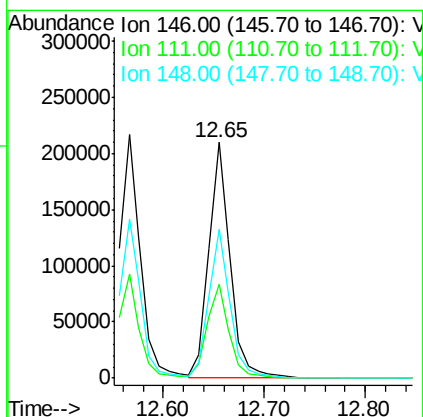
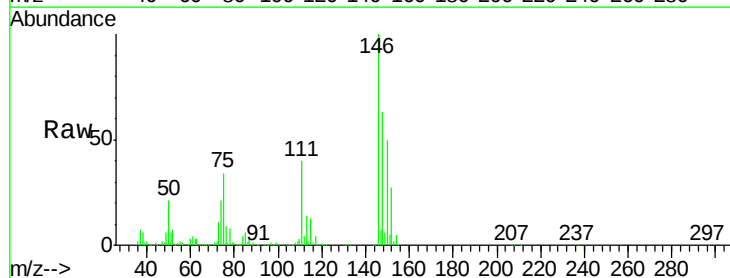
Manual Integrations
 APPROVED

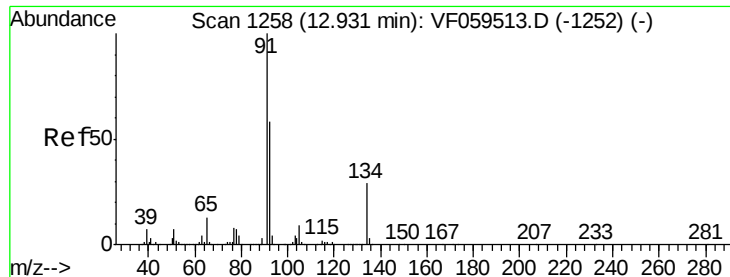
apatel
 7/18/2018 3:16:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.61 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		310487		
111	39.9	20.0	59.9		
148	63.0	31.5	94.5		





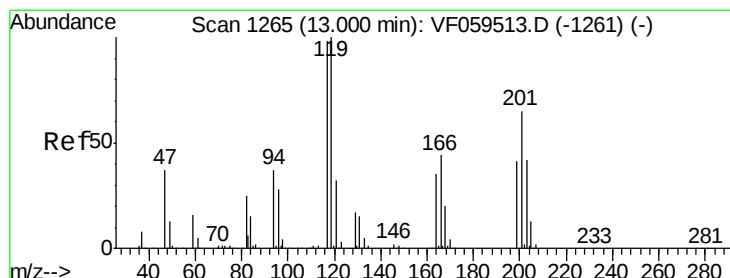
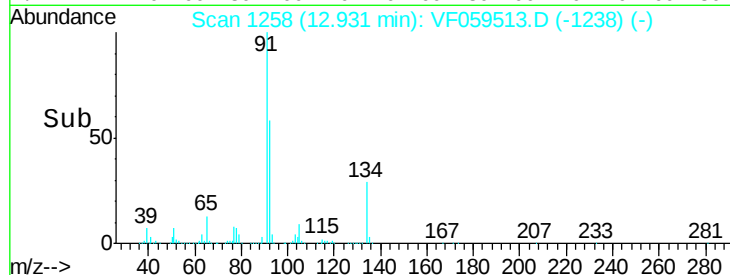
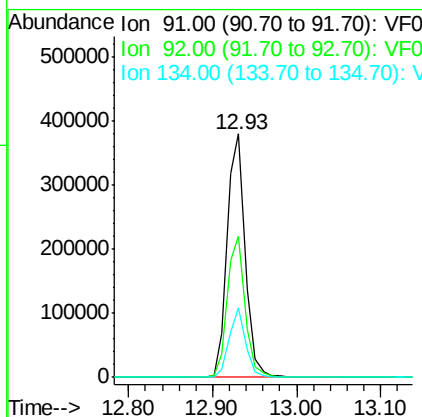
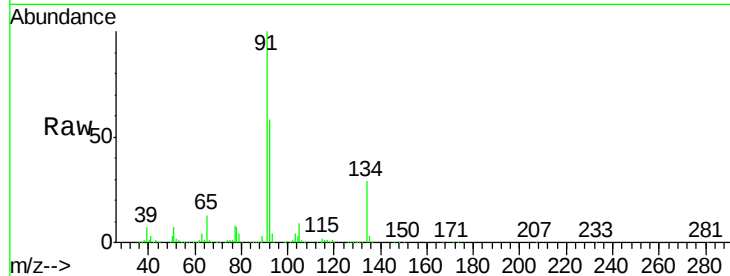
#89
n-Butylbenzene
Concen: 47.72 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.2	29.1	87.3
134	28.6	14.3	42.9

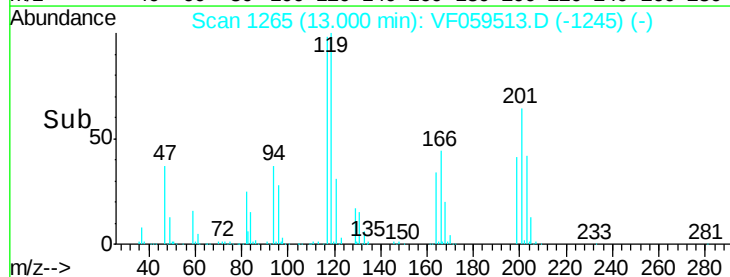
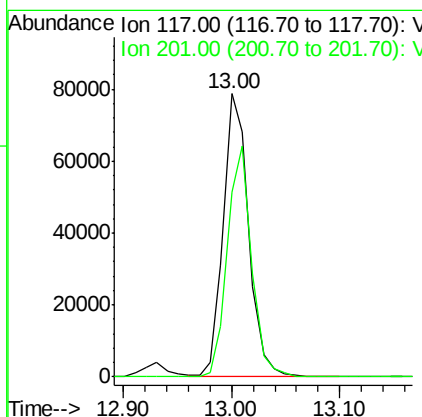
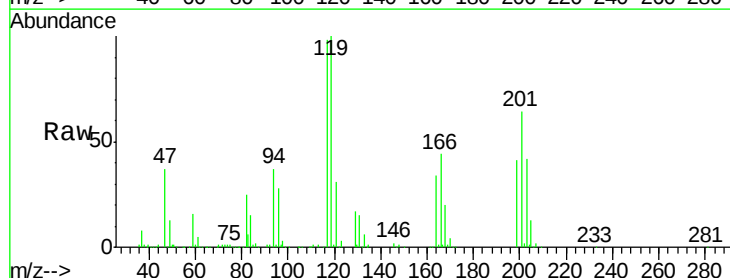
Manual Integrations
APPROVED

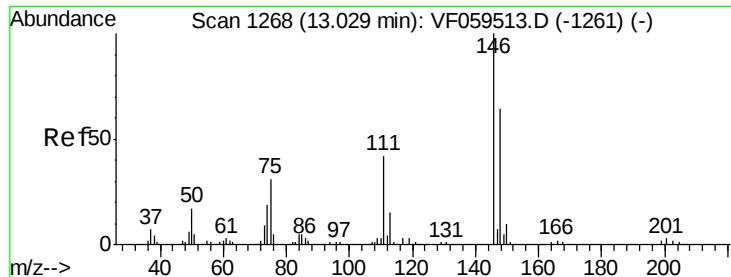
apatel
7/18/2018 3:16:08 PM



#90
Hexachloroethane
Concen: 44.54 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.3	32.6	98.0





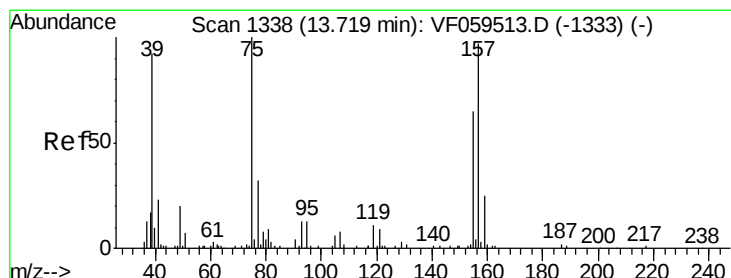
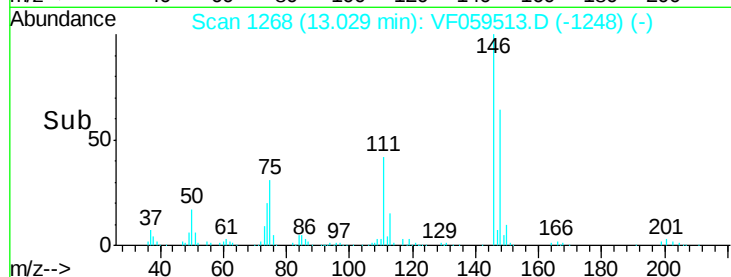
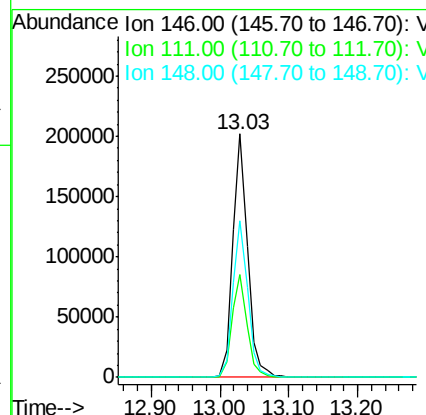
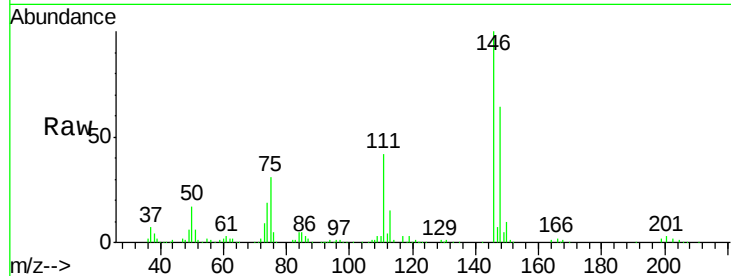
#91
 1,2-Dichlorobenzene
 Concen: 47.04 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	64.5	32.3	96.8

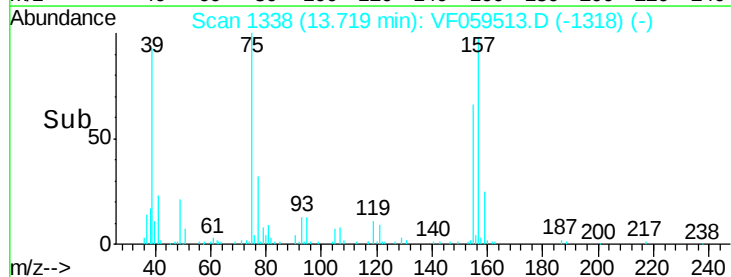
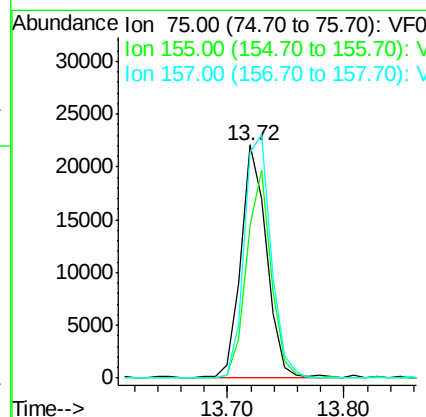
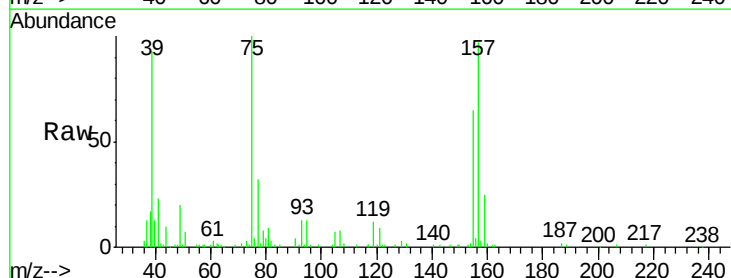
Manual Integrations
 APPROVED

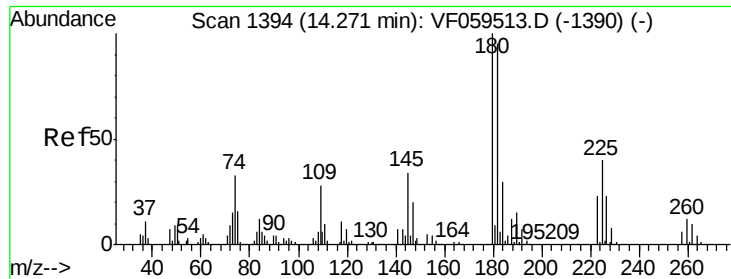
apatel
 7/18/2018 3:16:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.79 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.5	32.8	98.3
157	97.0	48.5	145.5





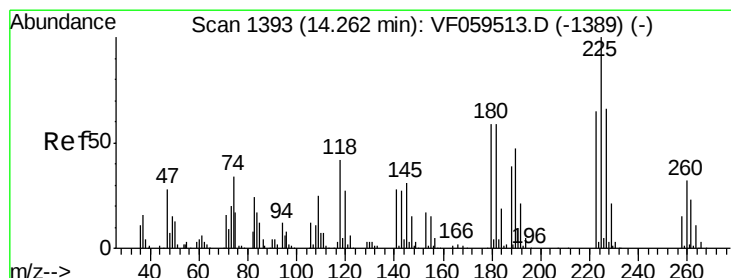
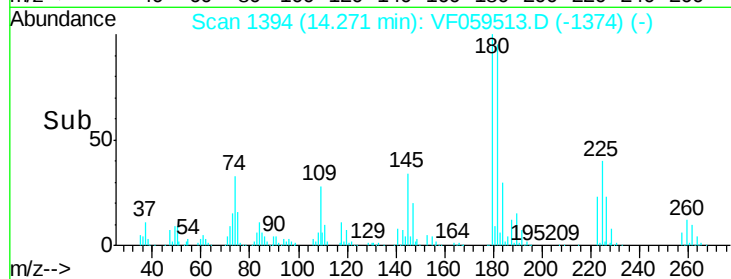
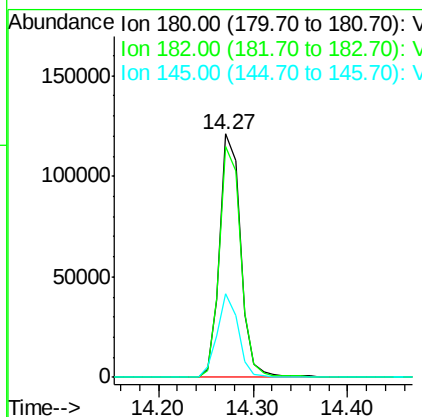
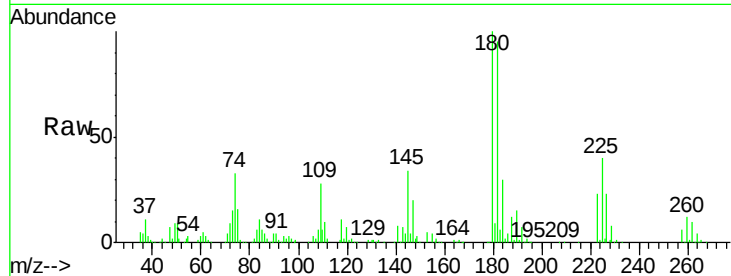
#93
 1,2,4-Trichlorobenzene
 Concen: 46.77 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	187681		
182	95.0	47.5	142.5	
145	34.5	17.3	51.7	

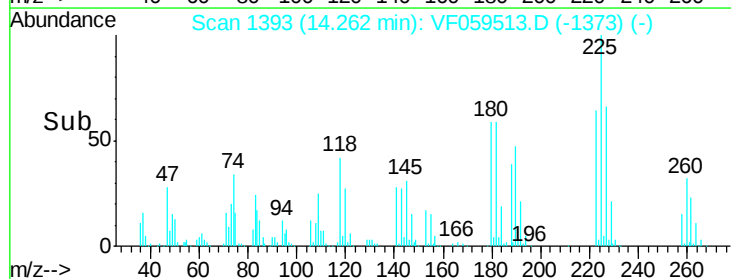
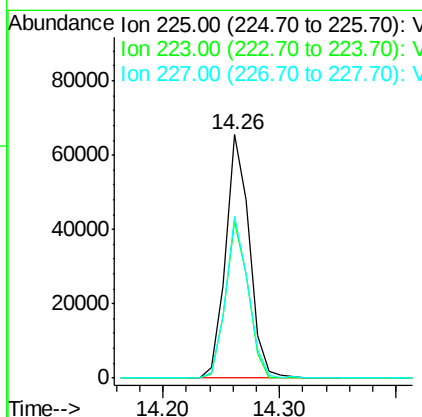
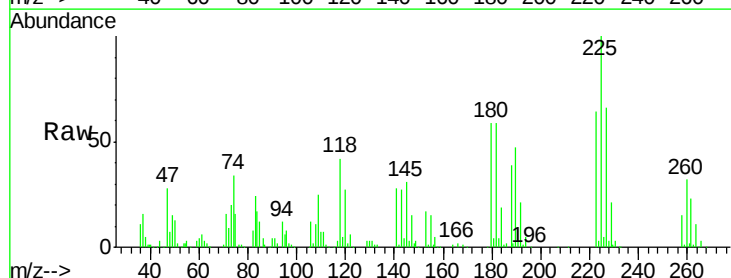
Manual Integrations
 APPROVED

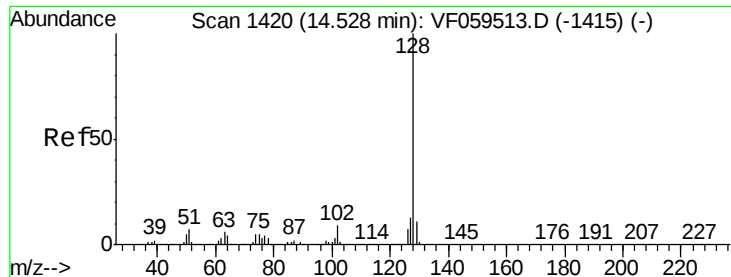
apatel
 7/18/2018 3:16:08 PM



#94
 Hexachlorobutadiene
 Concen: 51.93 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059513.D
 Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92224		
223	64.5	32.3	96.8	
227	66.4	33.2	99.6	





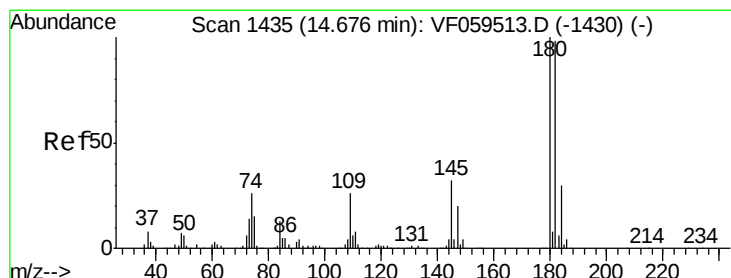
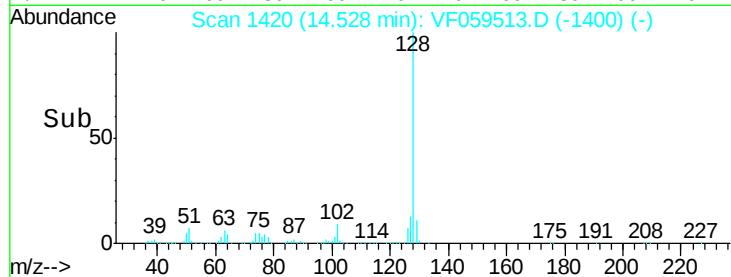
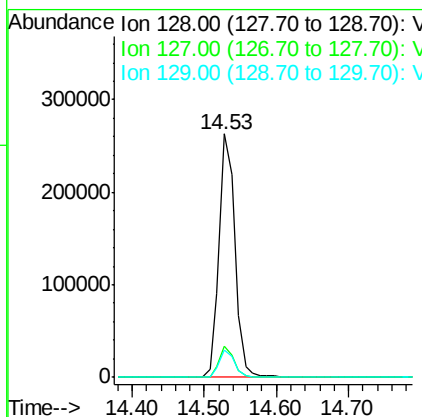
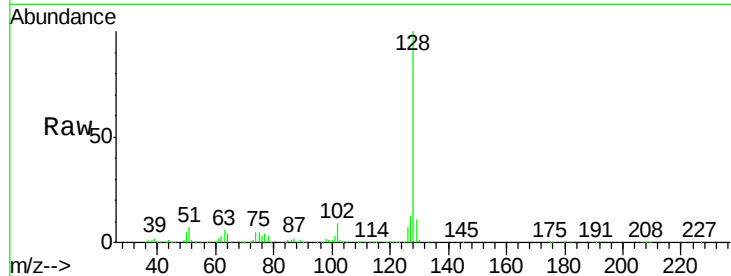
#95
Naphthalene
Concen: 46.91 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.2	9.0	13.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.84 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059513.D
Acq: 17 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.8	146.4
145	32.4	16.2	48.6

