

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059515.D
 Acq On : 17 Jul 2018 18:56
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:17 PM

Quant Time: Jul 18 02:28:07 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	5.06	168	272582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	395962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	378217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	228190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	390568	94.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.86%	
35) Dibromofluoromethane	4.30	113	323721	94.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.28%	
50) Toluene-d8	7.72	98	780666	91.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.58%	
62) 4-Bromofluorobenzene	11.52	95	413802	91.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	308239	99.35	ug/l	100
3) Chloromethane	1.09	50	175403	100.29	ug/l	96
4) Vinyl Chloride	1.14	62	180167	98.90	ug/l	97
5) Bromomethane	1.34	94	114355	90.13	ug/l	95
6) Chloroethane	1.43	64	87794	92.10	ug/l #	86
7) Trichlorofluoromethane	1.52	101	420967	100.68	ug/l	92
8) Diethyl Ether	1.70	74	80126	95.65	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.91	101	179402m	90.33	ug/l	
10) Methyl Iodide	1.96	142	321575	96.06	ug/l	99
11) Tert butyl alcohol	2.69	59	86410	452.82	ug/l	96
12) 1,1-Dichloroethene	1.86	96	183289	95.55	ug/l	98
13) Acrolein	2.09	56	34449	323.12	ug/l	97
14) Allyl chloride	2.19	41	231005	91.82	ug/l	99
15) Acrylonitrile	3.09	53	172913	491.02	ug/l	94
16) Acetone	2.34	43	312561	447.26	ug/l	99
17) Carbon Disulfide	1.87	76	472988	90.84	ug/l	95
18) Methyl Acetate	2.46	43	118442m	82.55	ug/l	
19) Methyl tert-butyl Ether	2.53	73	583275	92.96	ug/l	98
20) Methylene Chloride	2.33	84	170940m	68.32	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	179470	102.70	ug/l	93
22) Diisopropyl ether	2.93	45	672954	93.30	ug/l	99
23) Vinyl Acetate	3.34	43	1870767	446.34	ug/l	100
24) 1,1-Dichloroethane	3.01	63	403421	98.53	ug/l	99
25) 2-Butanone	4.53	43	419236	412.71	ug/l	97
26) 2,2-Dichloropropane	3.77	77	254355	92.56	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	203081	85.01	ug/l	94
28) Bromochloromethane	3.89	49	172499	90.85	ug/l #	91
29) Tetrahydrofuran	4.27	42	193933	444.45	ug/l	98
30) Chloroform	4.04	83	583629	94.90	ug/l	94
31) Cyclohexane	3.87	56	214803	92.88	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	380248	89.14	ug/l	99
36) 1,1-Dichloropropene	4.47	75	369921	91.74	ug/l	97
37) Ethyl Acetate	4.31	43	203389	82.41	ug/l #	85
38) Carbon Tetrachloride	4.17	117	419613	89.75	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059515.D
 Acq On : 17 Jul 2018 18:56
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:17 PM

Quant Time: Jul 18 02:28:07 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	5.63	83	275999	90.89	ug/l	95
40) Benzene	4.82	78	666635	85.09	ug/l	99
41) Methacrylonitrile	4.94	41	101143	85.01	ug/l #	88
42) 1,2-Dichloroethane	5.13	62	492823	98.26	ug/l	100
43) Isopropyl Acetate	7.13	43	269461	91.17	ug/l #	96
44) Trichloroethene	5.68	130	251310	88.97	ug/l	97
45) 1,2-Dichloropropane	6.41	63	201125	90.51	ug/l	92
46) Dibromomethane	6.26	93	182779	92.08	ug/l	98
47) Bromodichloromethane	6.56	83	481459	94.92	ug/l	99
48) Methyl methacrylate	6.89	41	201203	94.46	ug/l	98
49) 1,4-Dioxane	6.88	88	16027	1663.50	ug/l #	88
51) 4-Methyl-2-Pentanone	8.42	43	873884	421.46	ug/l	100
52) Toluene	7.79	92	516418	91.66	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	412754	92.07	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	446797	96.06	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	206456	92.00	ug/l	95
56) Ethyl methacrylate	8.77	69	265750	94.03	ug/l	96
57) 1,3-Dichloropropane	9.01	76	348119	91.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	101272	429.11	ug/l #	100
59) 2-Hexanone	9.64	43	701439	431.17	ug/l	100
60) Dibromochloromethane	8.87	129	352782	96.87	ug/l	98
61) 1,2-Dibromoethane	9.15	107	252716	93.05	ug/l	98
64) Tetrachloroethene	8.32	164	262727	88.11	ug/l	99
65) Chlorobenzene	9.96	112	663040	93.20	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.09	131	308329	95.74	ug/l	96
67) Ethyl Benzene	10.06	91	1159733	91.37	ug/l	99
68) m/p-Xylenes	10.28	106	810710	178.33	ug/l	91
69) o-Xylene	10.84	106	461640	97.72	ug/l	99
70) Styrene	10.91	104	690134	92.33	ug/l	98
71) Bromoform	10.90	173	226570	96.49	ug/l #	99
73) Isopropylbenzene	11.24	105	1296883	89.09	ug/l	96
74) N-amyl acetate	11.48	43	432037	83.63	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	277872	87.05	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	233603	88.76	ug/l	98
77) Bromobenzene	11.60	156	351912	85.79	ug/l	82
78) n-propylbenzene	11.70	91	1473007	87.40	ug/l	96
79) 2-Chlorotoluene	11.82	91	900895	88.45	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	1097921	87.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	113070m	90.61	ug/l	
82) 4-Chlorotoluene	12.00	91	1012428	85.79	ug/l	95
83) tert-Butylbenzene	12.22	119	1053584	89.94	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	1124991	89.98	ug/l	98
85) sec-Butylbenzene	12.40	105	1350660	91.28	ug/l	97
86) p-Isopropyltoluene	12.55	119	1136178	86.81	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	606265	86.32	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	620513	91.30	ug/l	96
89) n-Butylbenzene	12.92	91	1087998	90.54	ug/l	95
90) Hexachloroethane	13.00	117	266779	90.54	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	583705	89.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	71472	100.85	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
Data File : VF059515.D
Acq On : 17 Jul 2018 18:56
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM

Quant Time: Jul 18 02:28:07 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	371049	90.62	ug/l	98
94) Hexachlorobutadiene	14.26	225	198298	109.43	ug/l	95
95) Naphthalene	14.53	128	832673	95.57	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	351055	98.29	ug/l	98

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

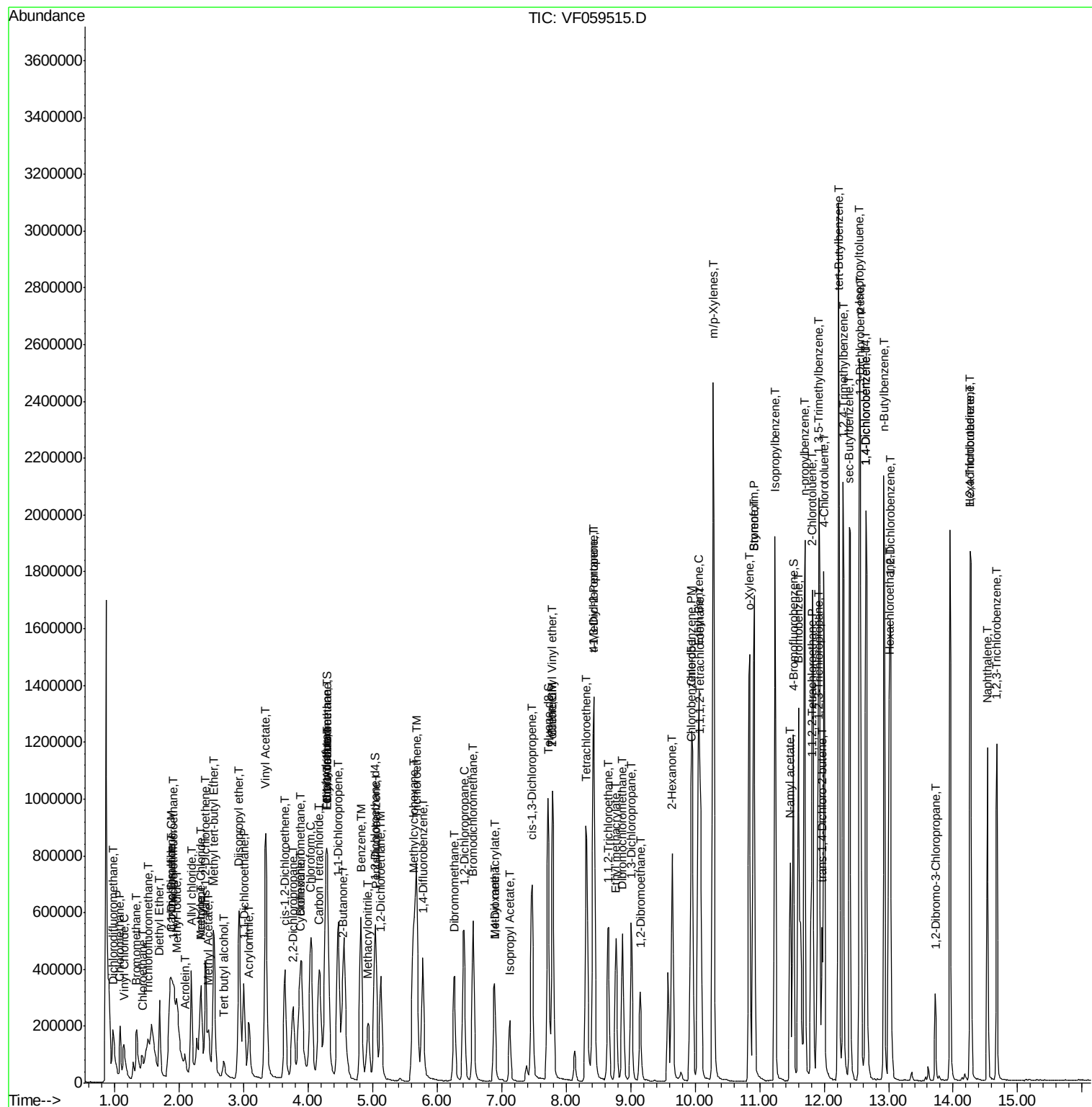
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071718\
Data File : VF059515.D
Acq On : 17 Jul 2018 18:56
Operator : VA/AP
Sample : VSTDICC100
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

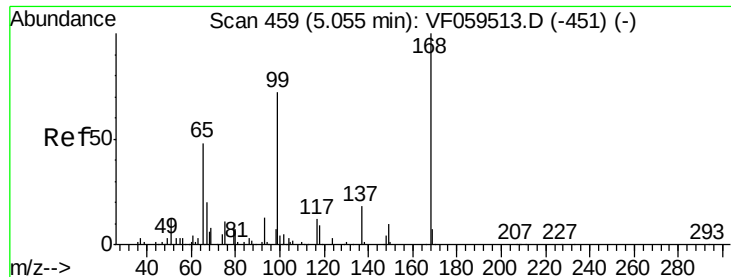
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM

Quant Time: Jul 18 02:28:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 01:41:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 272582

Ion Ratio Lower Upper

168 100

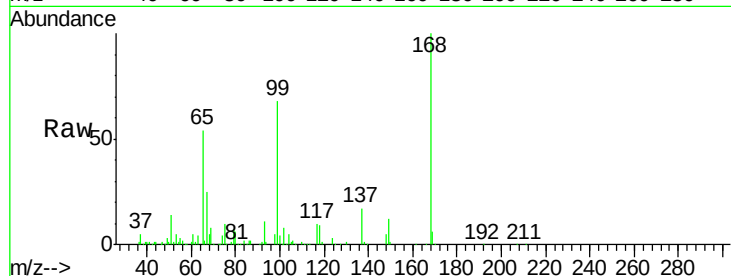
99 68.0 57.6 86.4

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:17 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

100000

80000

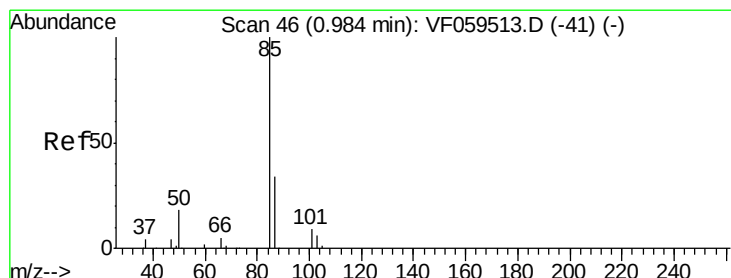
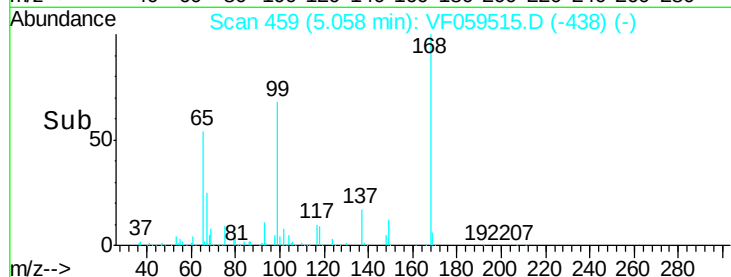
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 99.35 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059515.D

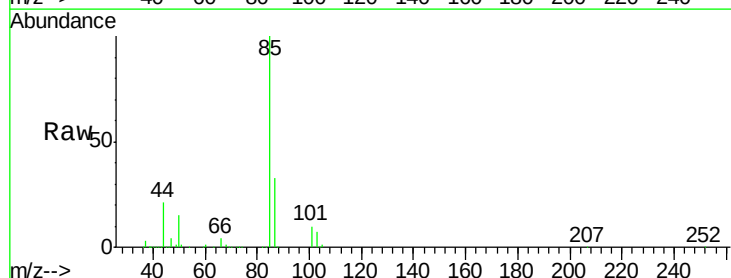
Acq: 17 Jul 2018 18:56

Tgt Ion: 85 Resp: 308239

Ion Ratio Lower Upper

85 100

87 33.5 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

100000

80000

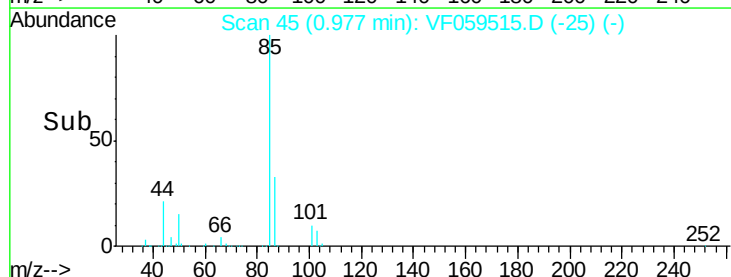
60000

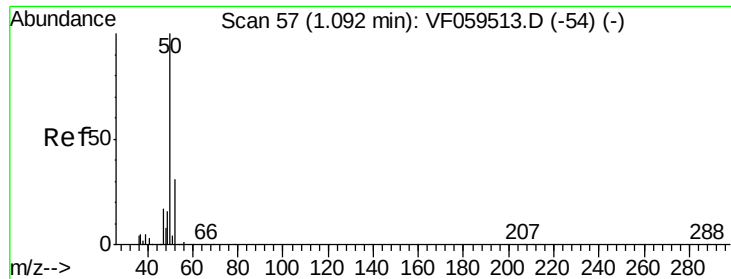
40000

20000

0

Time-->





#3

Chloromethane

Concen: 100.29 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 175403

Ion Ratio Lower Upper

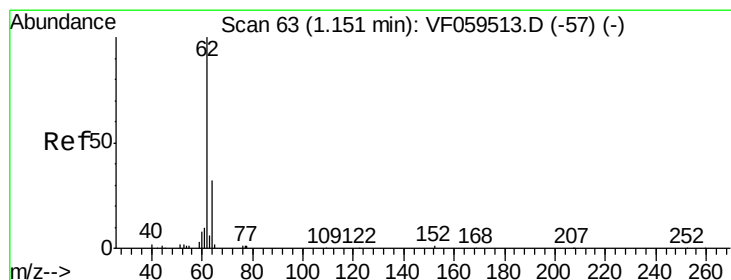
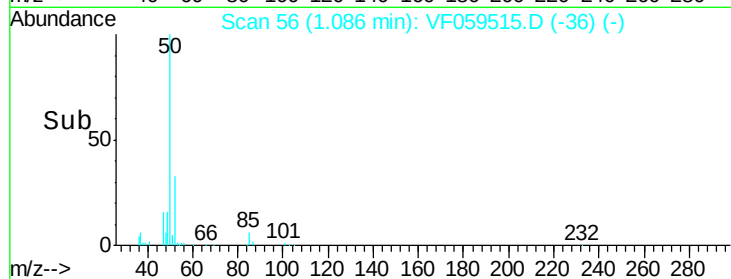
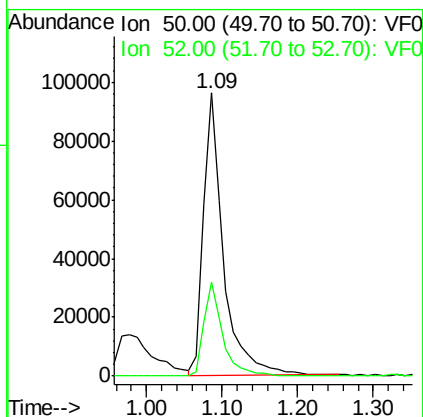
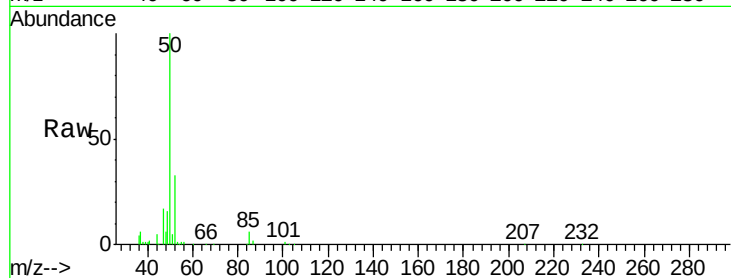
50 100

52 33.1 24.6 37.0

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:17 PM



#4

Vinyl Chloride

Concen: 98.90 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059515.D

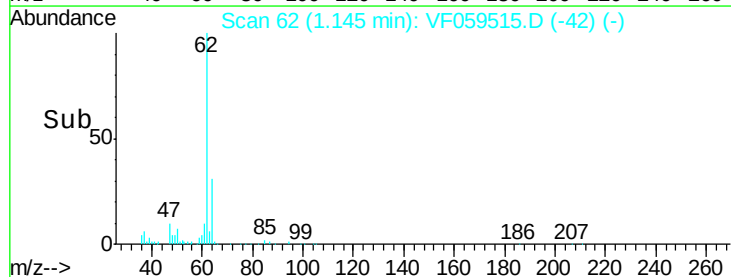
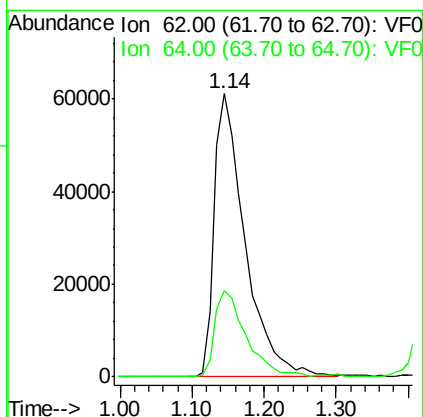
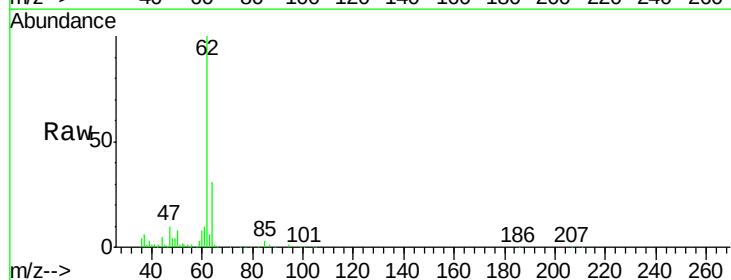
Acq: 17 Jul 2018 18:56

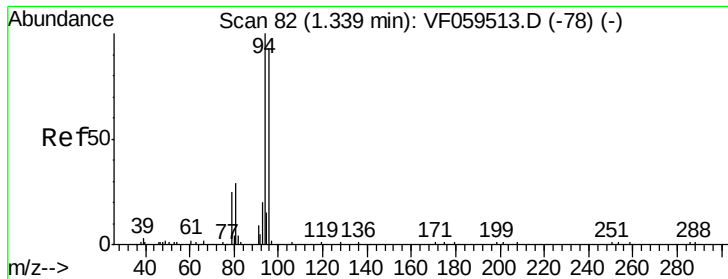
Tgt Ion: 62 Resp: 180167

Ion Ratio Lower Upper

62 100

64 30.6 25.7 38.5





#5

Bromomethane

Concen: 90.13 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 114355

Ion Ratio Lower Upper

94 100

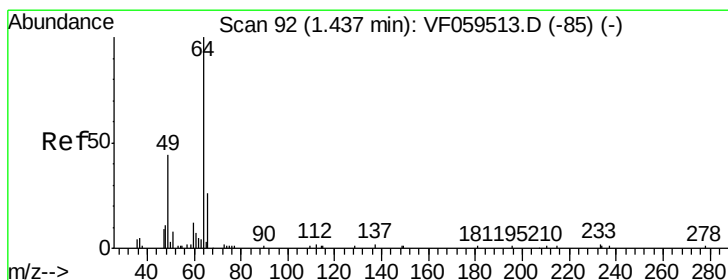
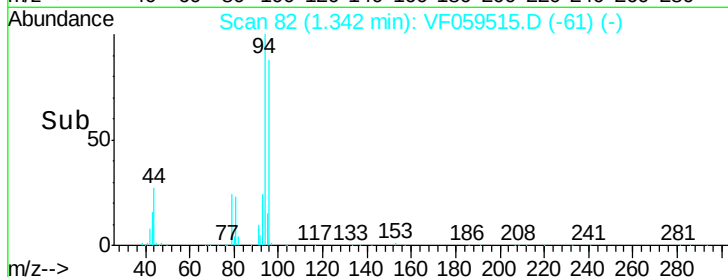
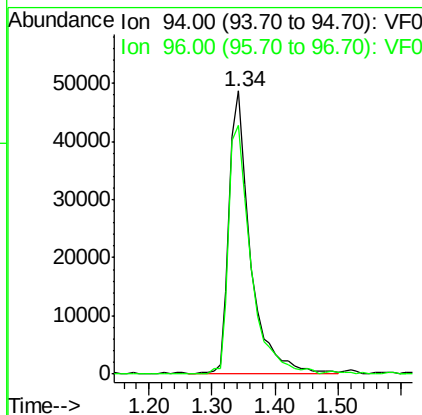
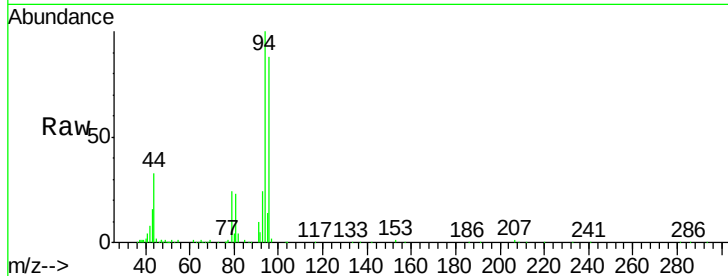
96 87.9 74.2 111.2

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:17 PM



#6

Chloroethane

Concen: 92.10 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059515.D

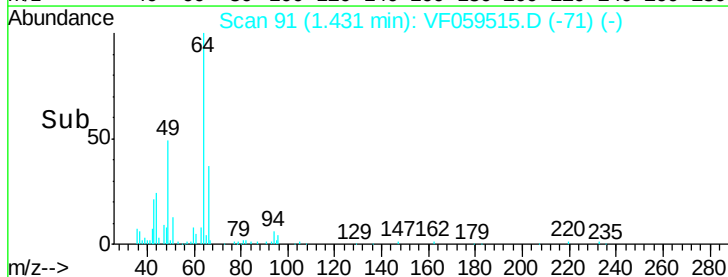
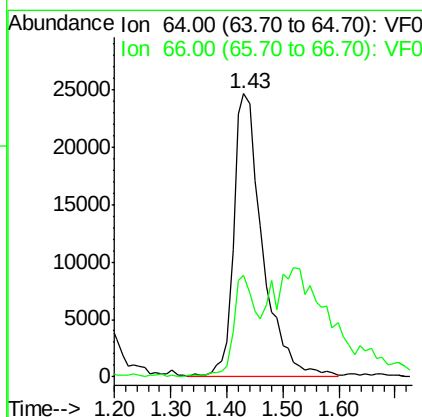
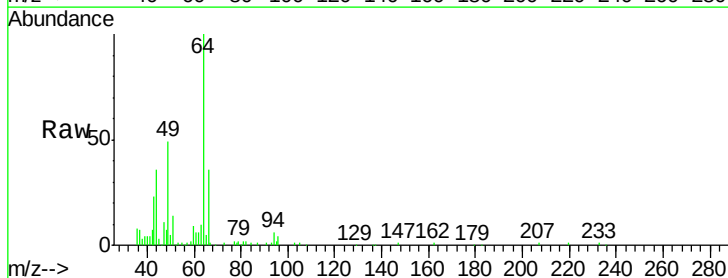
Acq: 17 Jul 2018 18:56

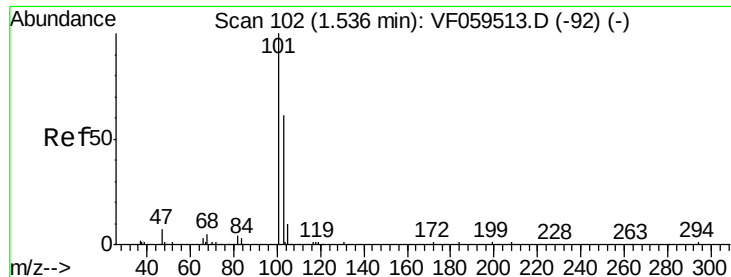
Tgt Ion: 64 Resp: 87794

Ion Ratio Lower Upper

64 100

66 36.0 22.9 34.3#





#7

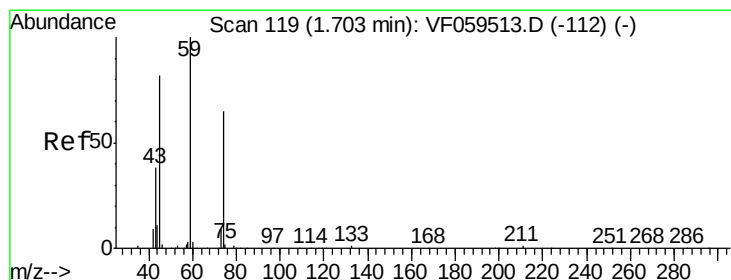
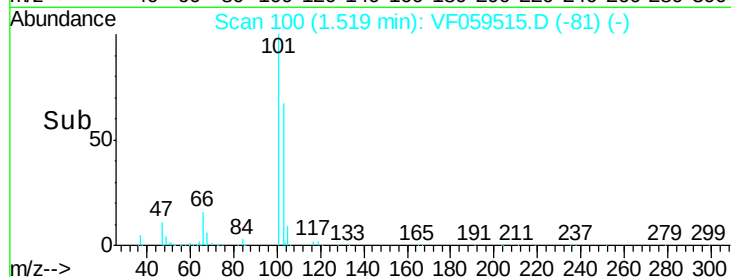
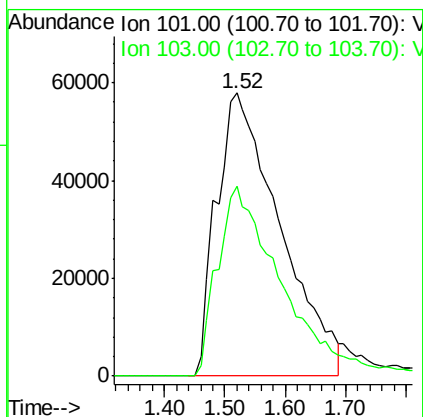
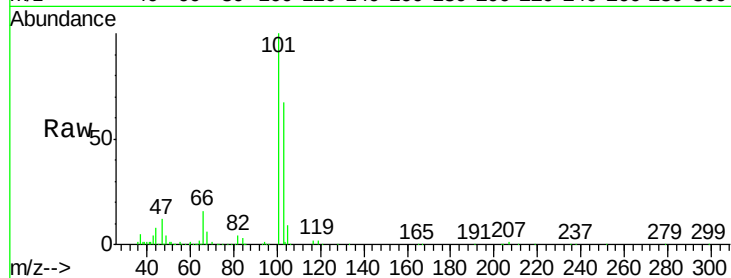
Trichlorofluoromethane
Concen: 100.68 ug/l
RT: 1.52 min Scan# 100
Delta R.T. -0.02 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	48.6	72.8

Manual Integrations
APPROVED

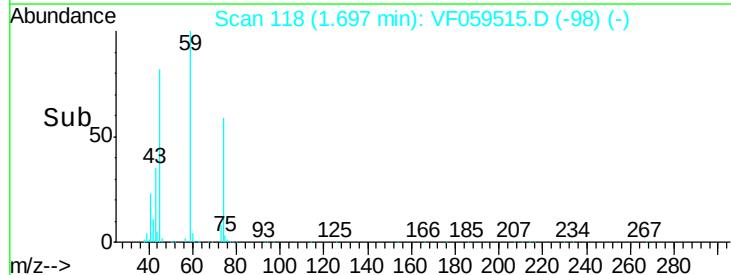
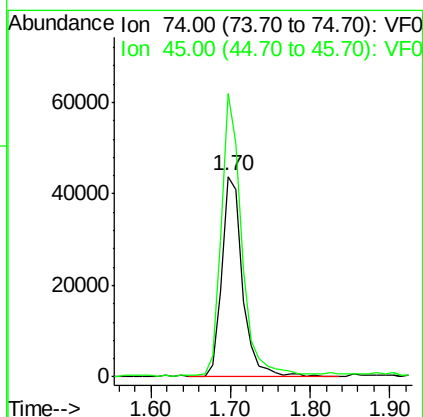
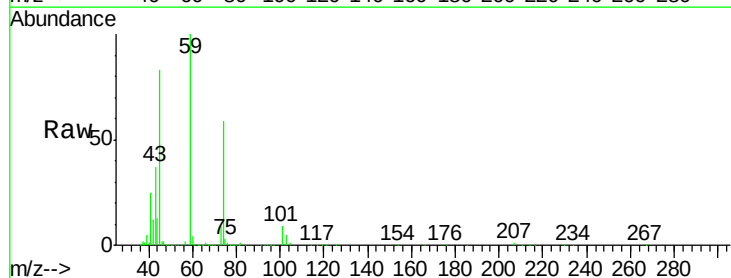
apatel
7/18/2018 3:16:17 PM

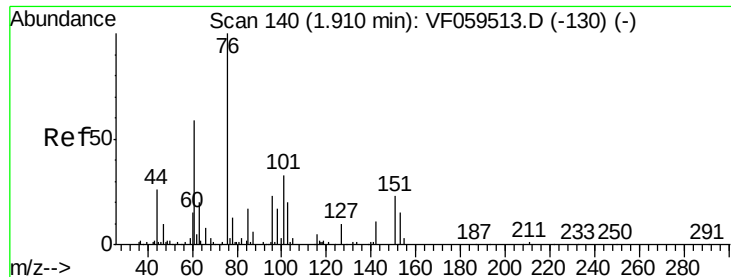


#8

Diethyl Ether
Concen: 95.65 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.3	63.6	190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.33 ug/l m

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

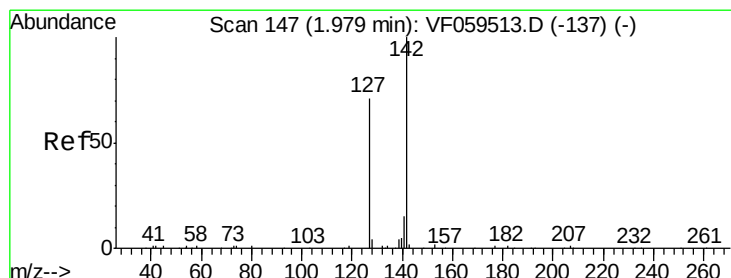
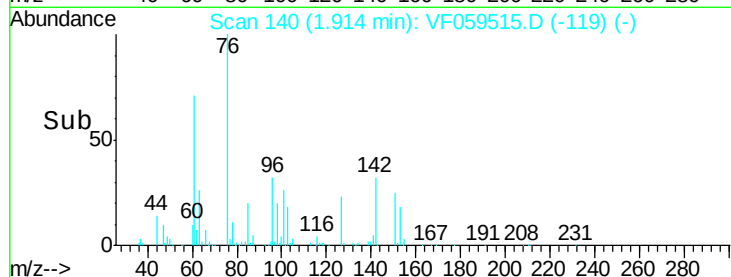
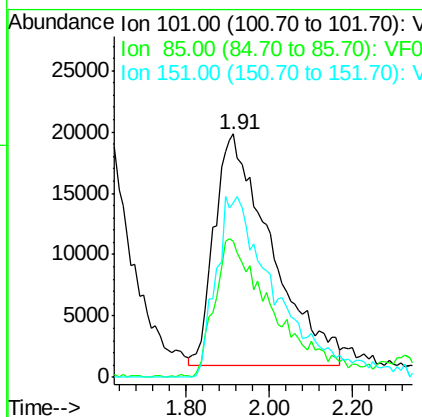
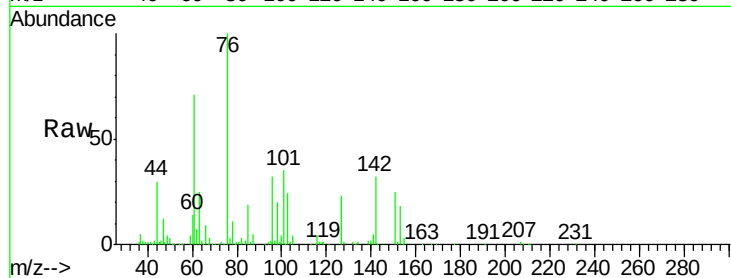
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	179402
Ion Ratio	Lower	Upper	
101	100		
85	55.8	39.8	59.6
151	71.9	54.2	81.2

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#10

Methyl Iodide

Concen: 96.06 ug/l

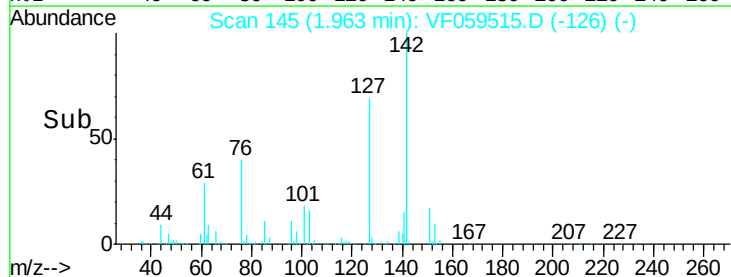
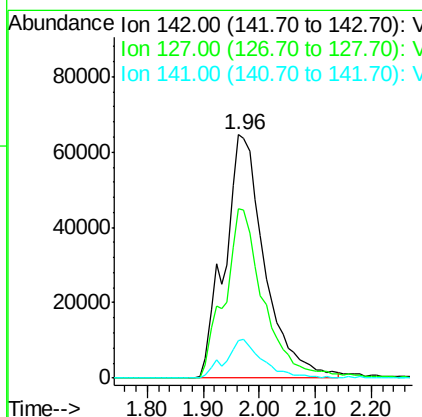
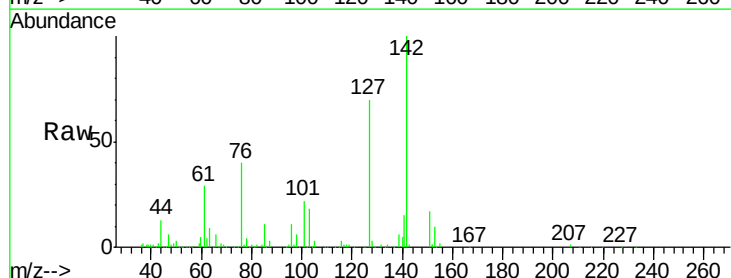
RT: 1.96 min Scan# 145

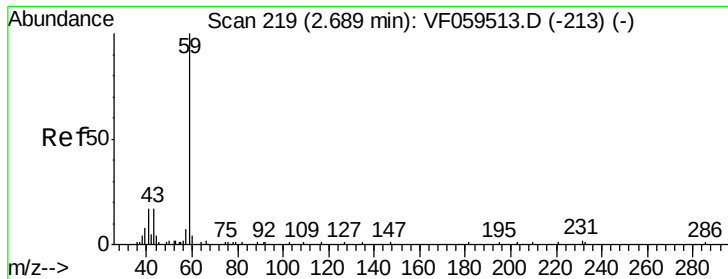
Delta R.T. -0.02 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion:	142	Resp:	321575
Ion Ratio	Lower	Upper	
142	100		
127	69.5	56.4	84.6
141	15.4	12.0	18.0





#11

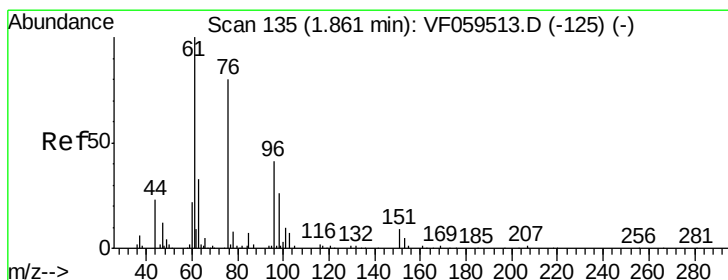
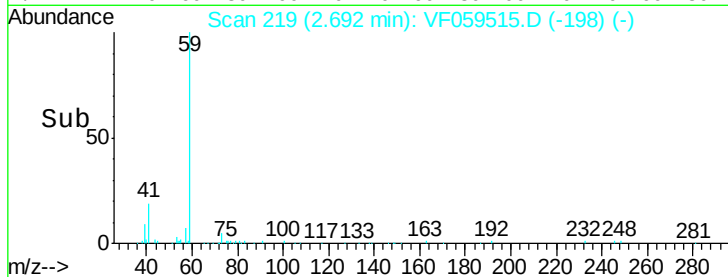
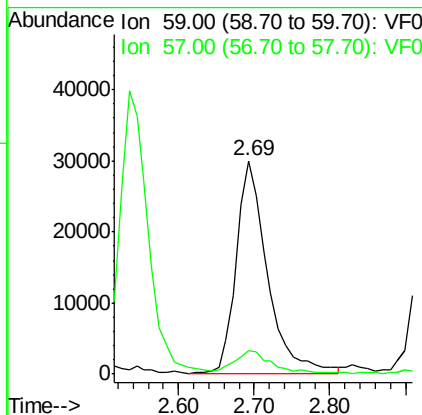
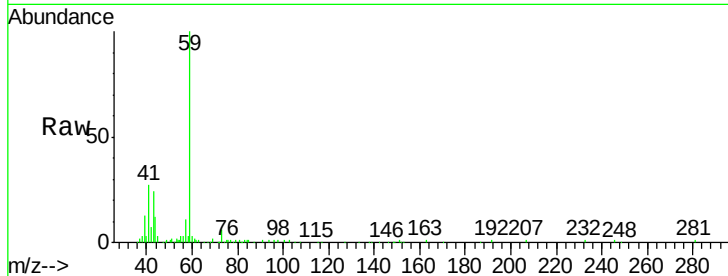
Tert butyl alcohol
Concen: 452.82 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.7	11.5

Manual Integrations
APPROVED

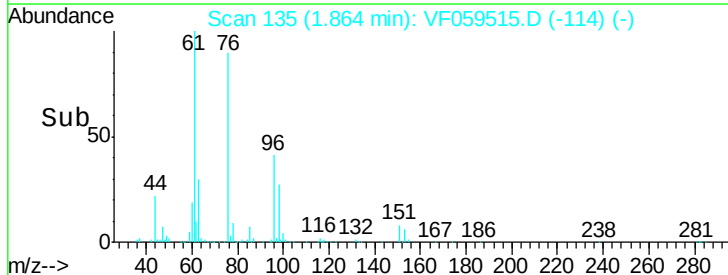
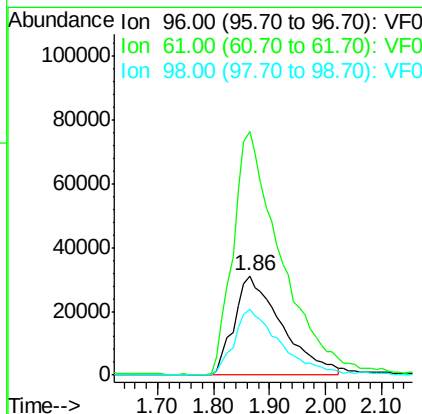
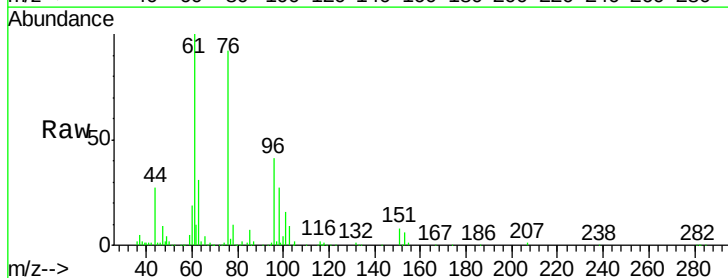
apatel
7/18/2018 3:16:17 PM

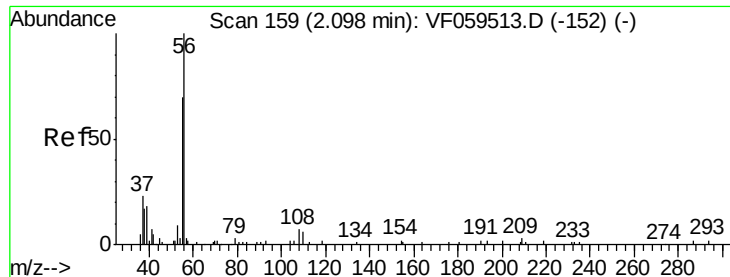


#12

1,1-Dichloroethene
Concen: 95.55 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	244.7	194.3	291.5
98	66.5	50.3	75.5





#13

Acrolein

Concen: 323.12 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 34449

Ion Ratio Lower Upper

56 100

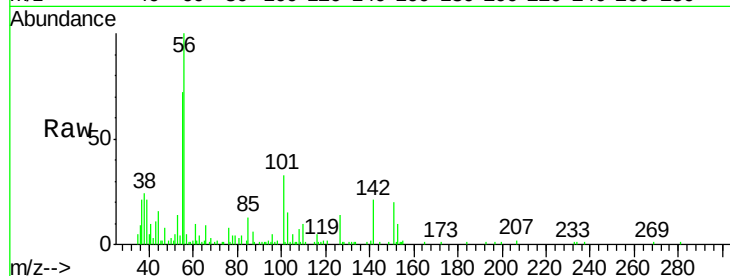
55 71.7 59.4 89.2

Manual Integrations

APPROVED

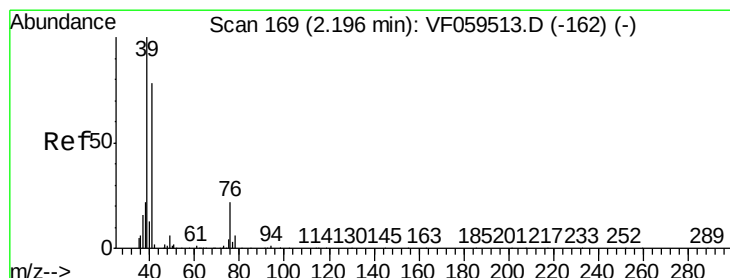
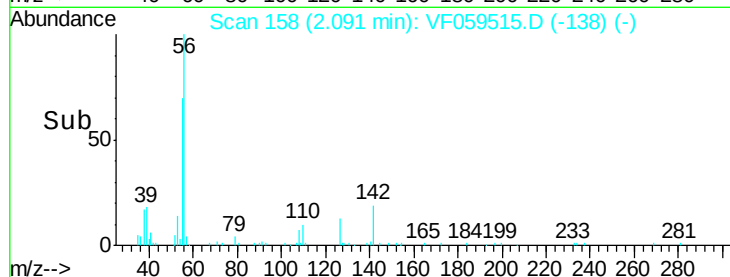
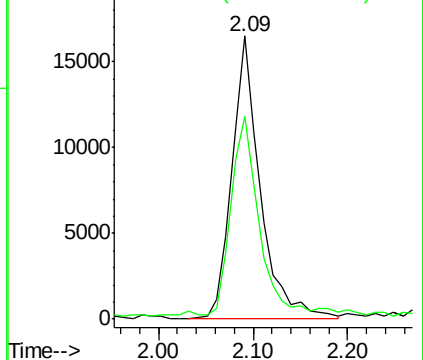
apatel

7/18/2018 3:16:17 PM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 91.82 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

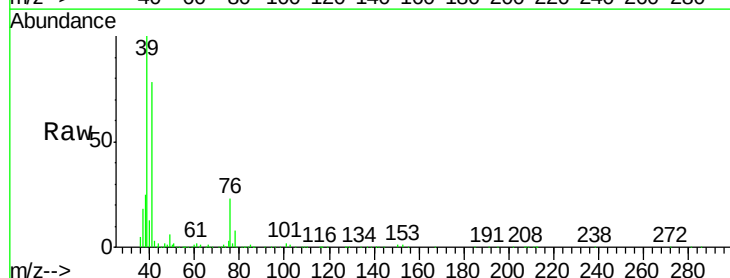
Tgt Ion: 41 Resp: 231005

Ion Ratio Lower Upper

41 100

39 127.7 103.0 154.4

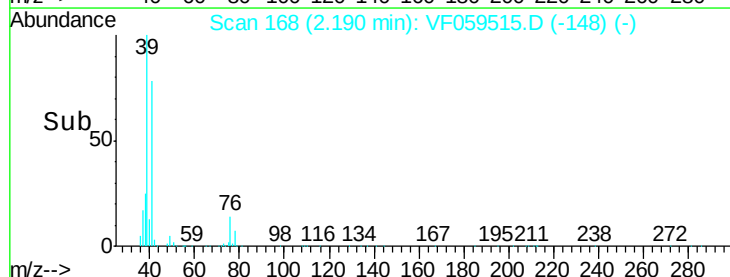
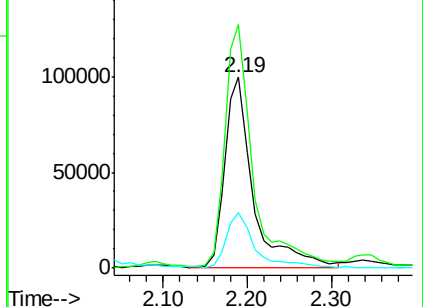
76 29.0 22.6 34.0

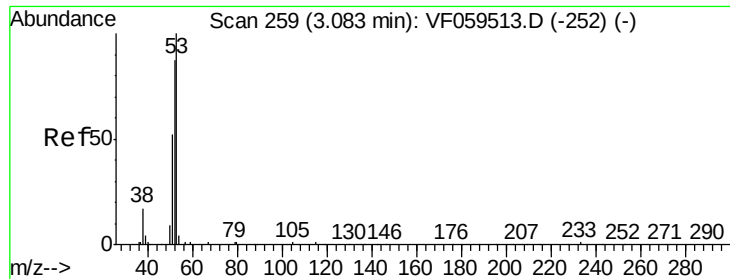


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 491.02 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

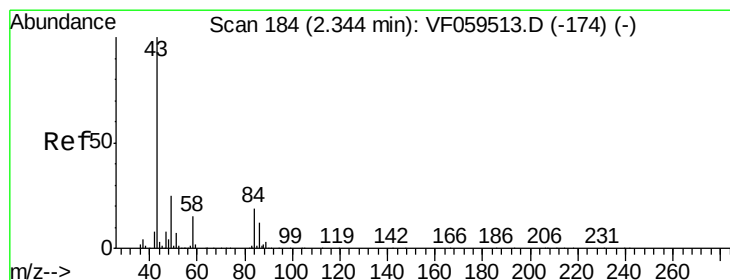
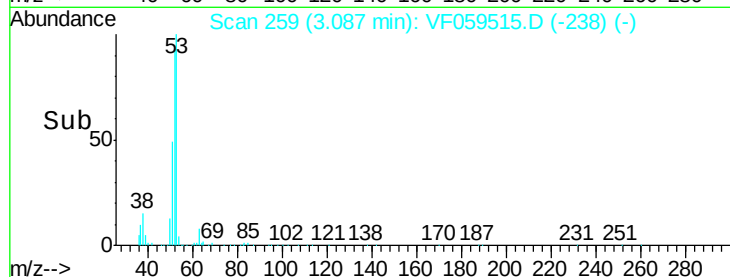
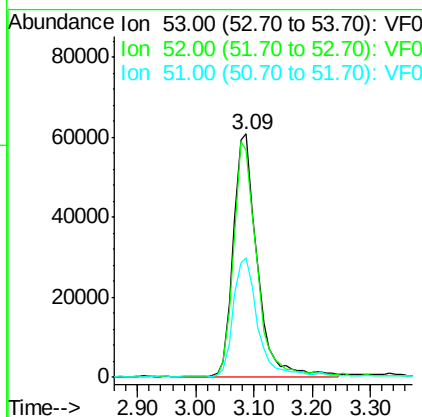
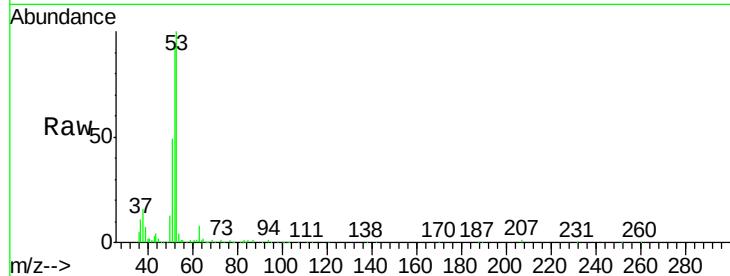
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	172913
Ion	Ratio	Lower	Upper
53	100		
52	93.3	70.1	105.1
51	49.2	42.5	63.7

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#16

Acetone

Concen: 447.26 ug/l

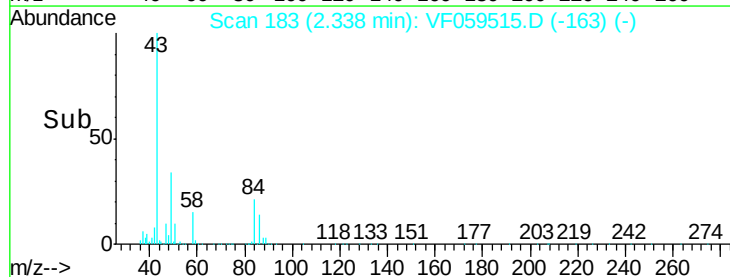
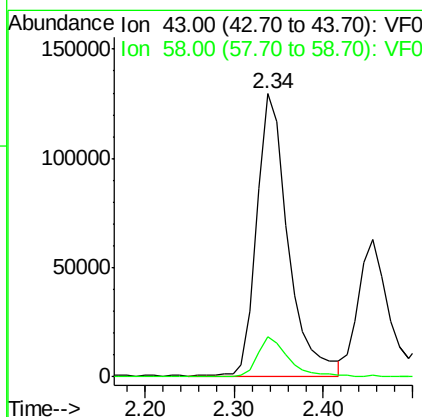
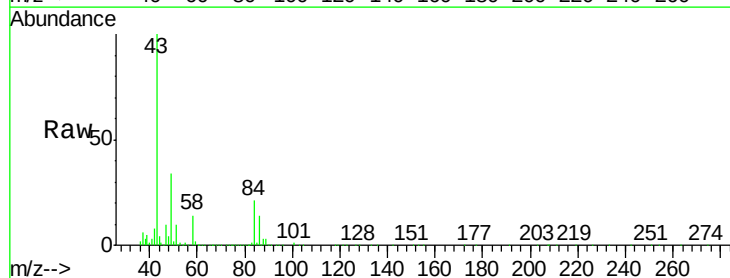
RT: 2.34 min Scan# 183

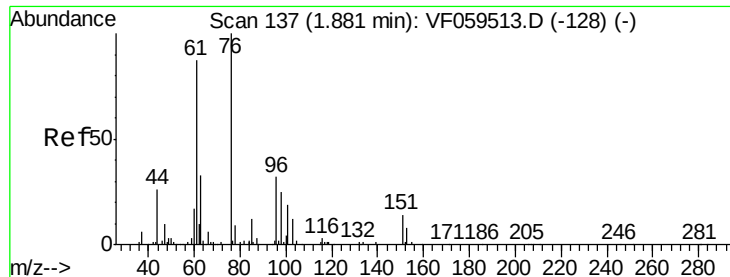
Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion:	43	Resp:	312561
Ion	Ratio	Lower	Upper
43	100		
58	14.4	11.8	17.6





#17

Carbon Disulfide

Concen: 90.84 ug/l

RT: 1.87 min Scan# 136

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tot Ion: 76 Resp: 472988

Ion Ratio Lower Upper

76 100

78 11.4 7.8 11.6

Instrument :

MSVOA_F

ClientSampleId :

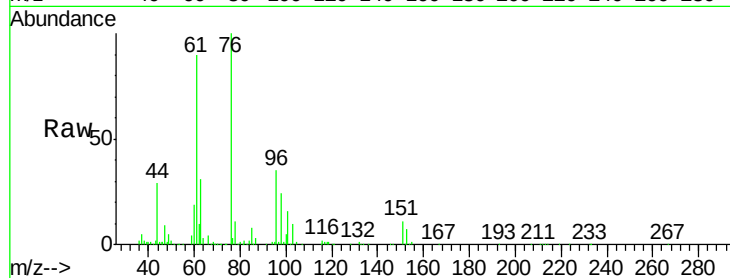
VSTDIC100

Manual Integrations

APPROVED

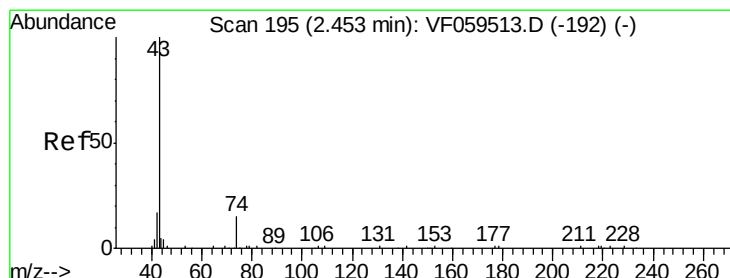
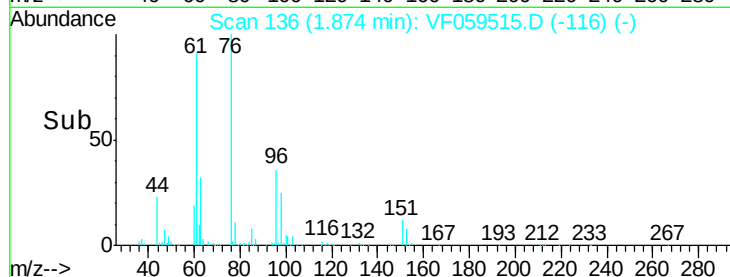
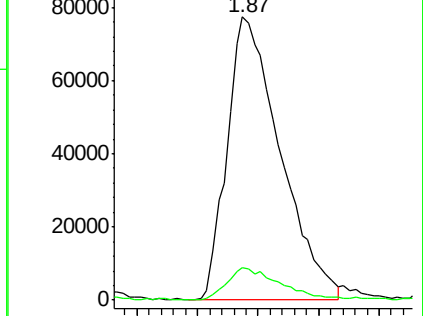
apatel

7/18/2018 3:16:17 PM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 82.55 ug/l m

RT: 2.46 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059515.D

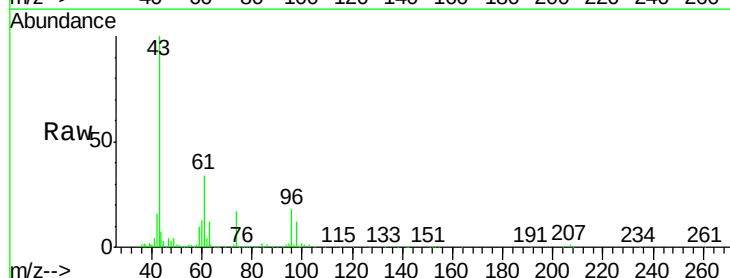
Acq: 17 Jul 2018 18:56

Tgt Ion: 43 Resp: 118442

Ion Ratio Lower Upper

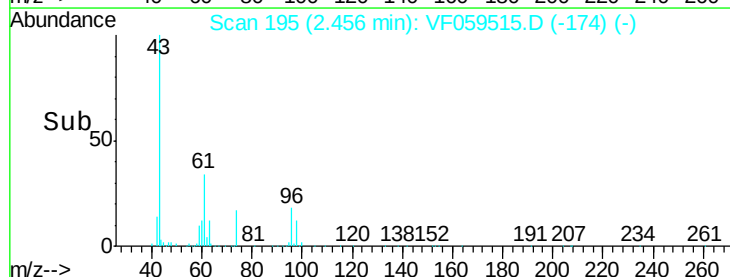
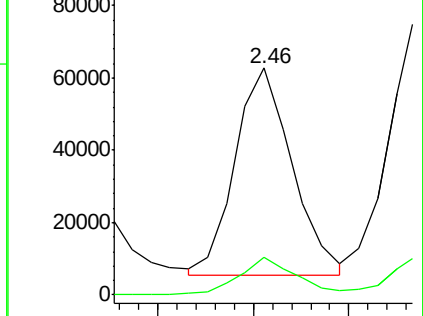
43 100

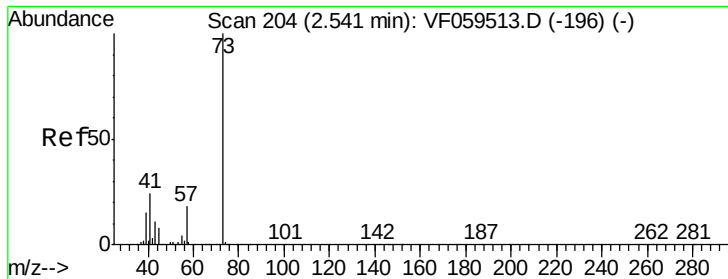
74 16.6 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





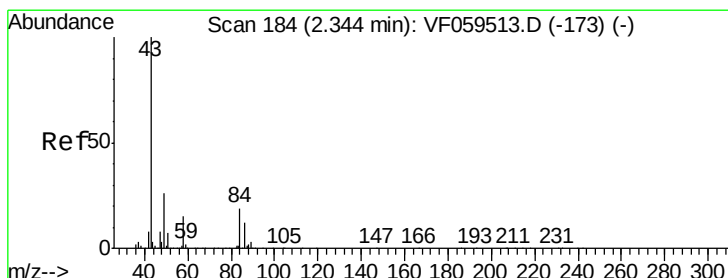
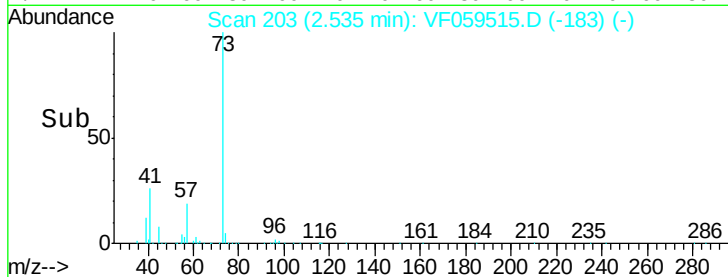
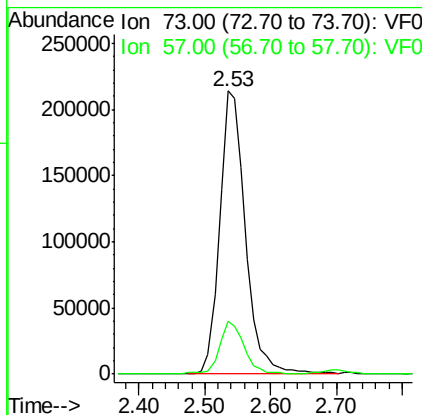
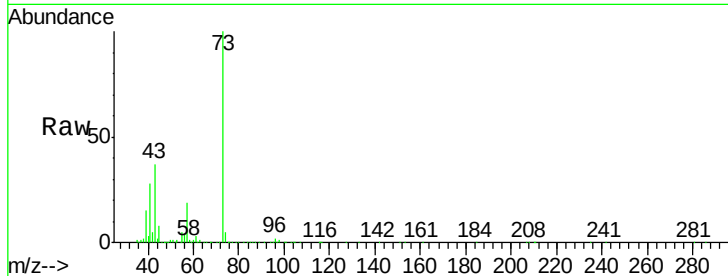
#19
Methyl tert-butyl Ether
Concen: 92.96 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	14.3	21.5

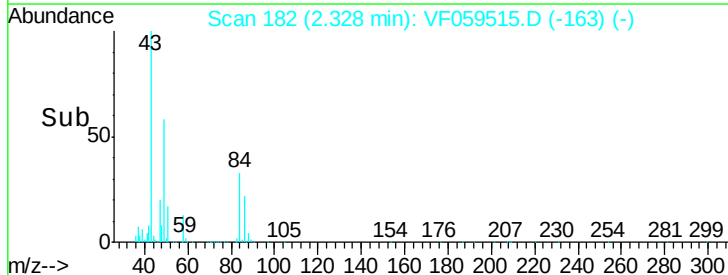
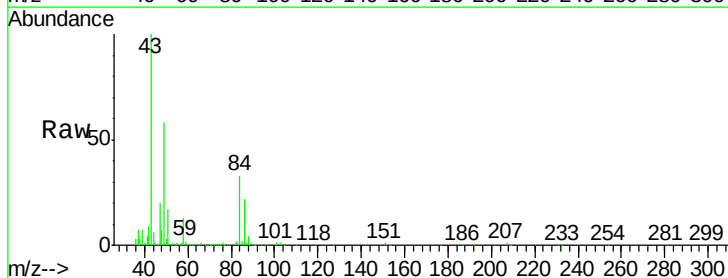
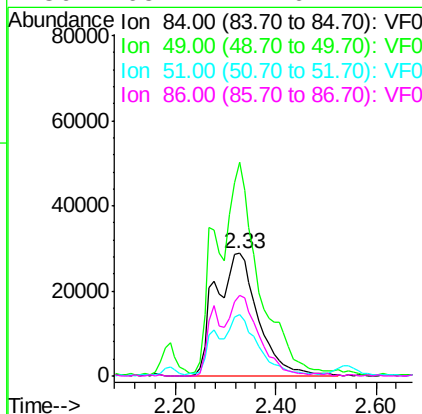
Manual Integrations
APPROVED

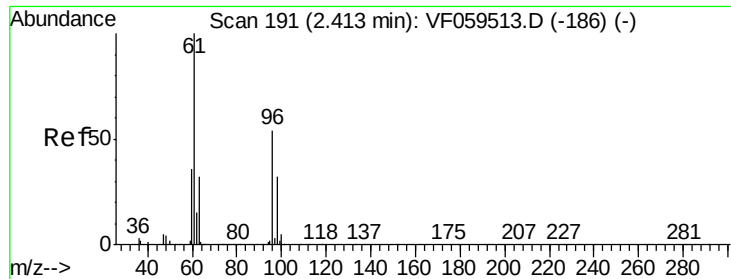
apatel
7/18/2018 3:16:17 PM



#20
Methylene Chloride
Concen: 68.32 ug/l m
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	174.3	109.4	164.2#
51	50.7	30.5	45.7#
86	65.4	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 102.70 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

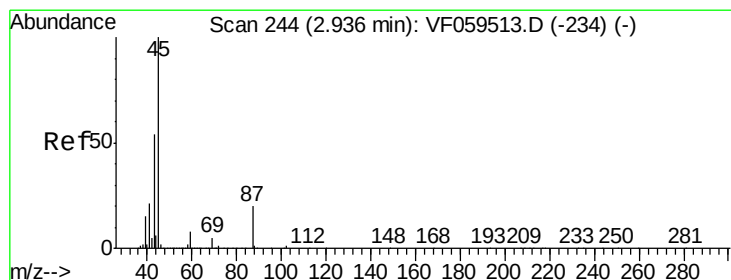
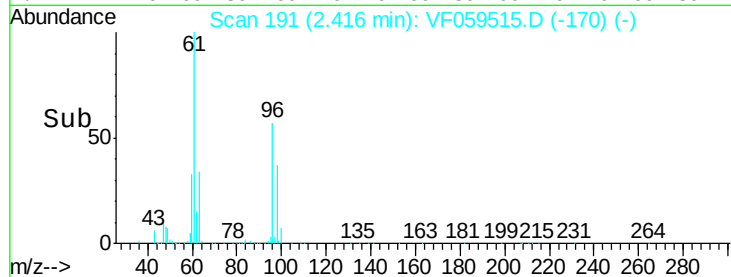
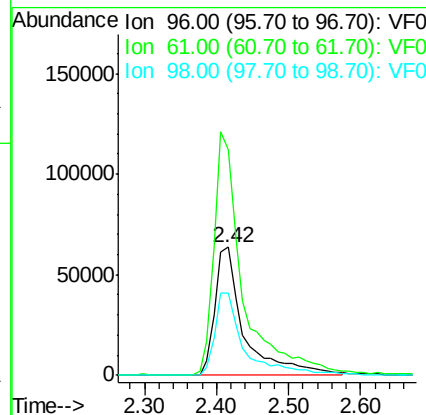
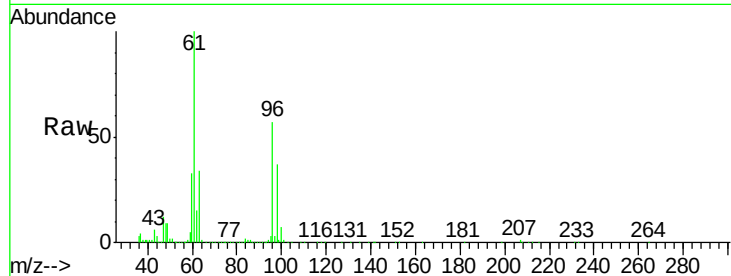
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	179470
Ion	Ratio	Lower	Upper
96	100		
61	176.6	149.8	224.8
98	64.6	47.8	71.8

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#22

Diisopropyl ether

Concen: 93.30 ug/l

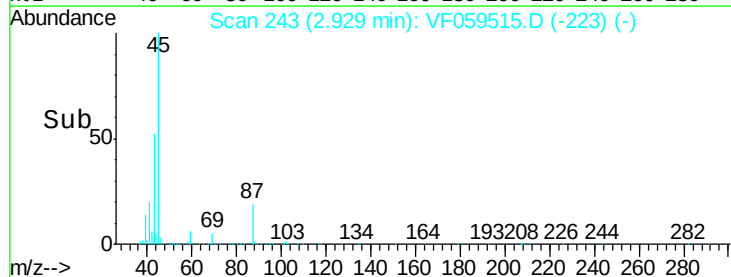
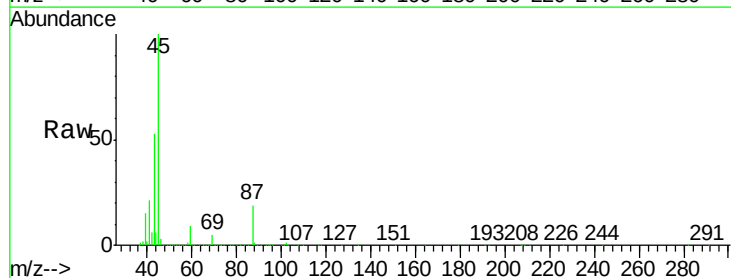
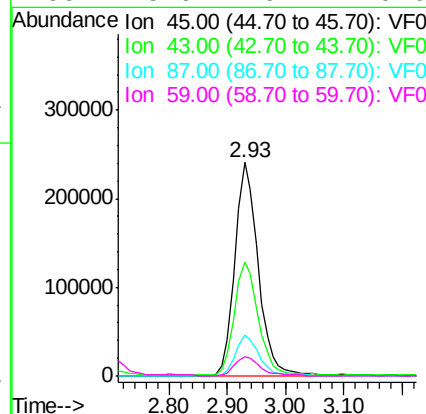
RT: 2.93 min Scan# 243

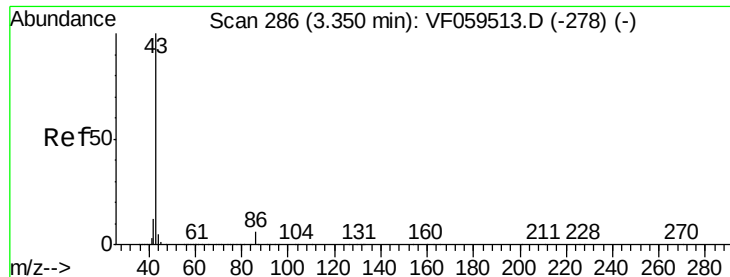
Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion:	45	Resp:	672954
Ion	Ratio	Lower	Upper
45	100		
43	53.3	43.6	65.4
87	19.3	15.6	23.4
59	8.9	6.4	9.6





#23

Vinyl Acetate

Concen: 446.34 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1870767

Ion Ratio Lower Upper

43 100

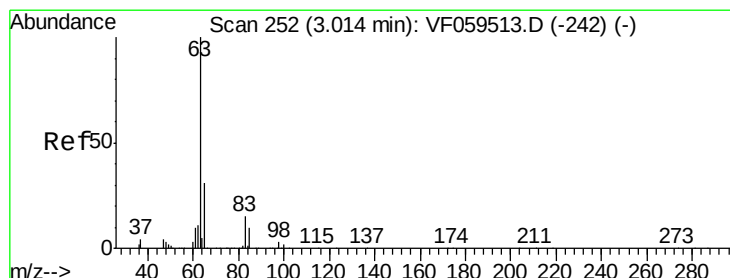
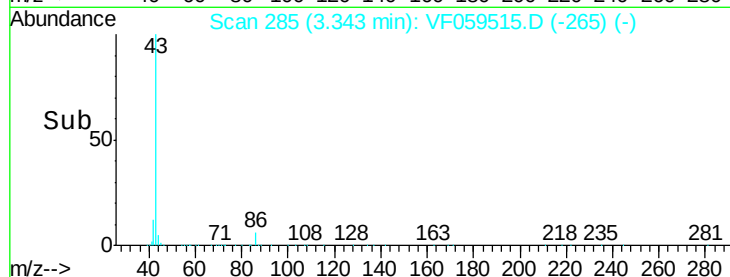
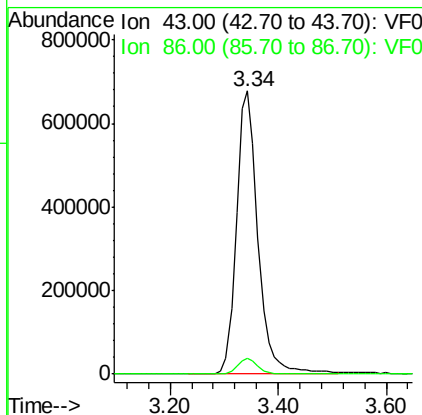
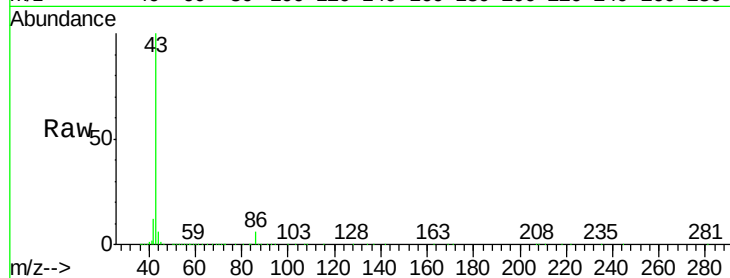
86 5.6 4.4 6.6

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:17 PM



#24

1,1-Dichloroethane

Concen: 98.53 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

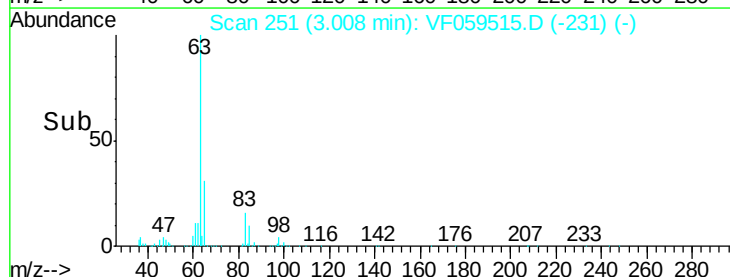
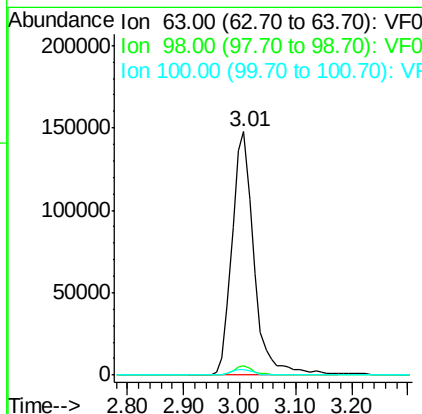
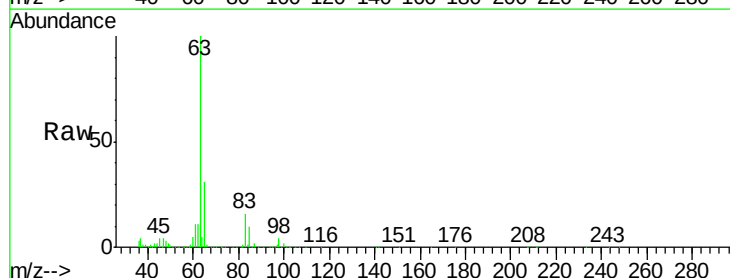
Tgt Ion: 63 Resp: 403421

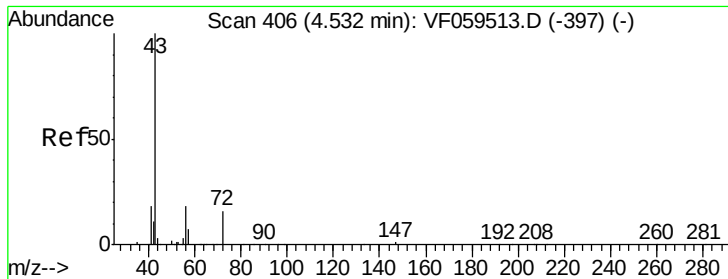
Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.4

100 2.4 1.3 3.8





#25

2-Butanone

Concen: 412.71 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tot Ion	Ratio	Lower	Upper
43	100		
72	19.3	14.2	21.4

Instrument :

MSVOA_F

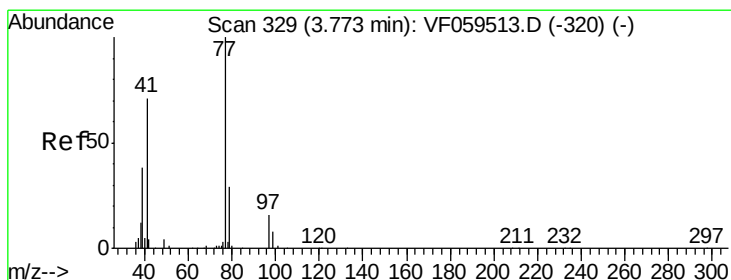
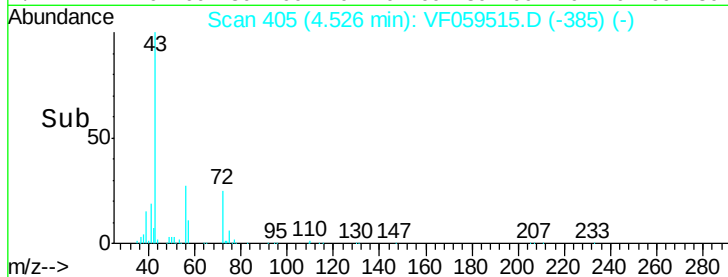
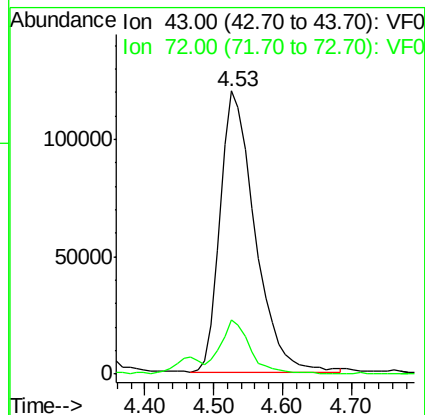
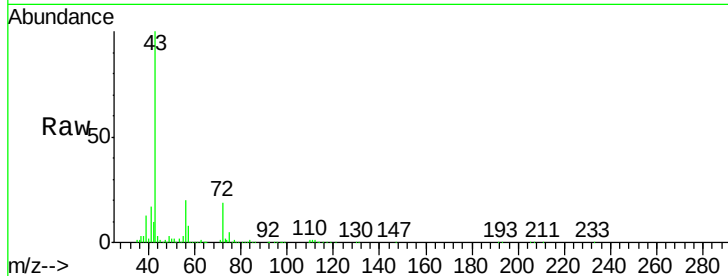
ClientSampleId :

VSTDIC100

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:17 PM



#26

2,2-Dichloropropane

Concen: 92.56 ug/l

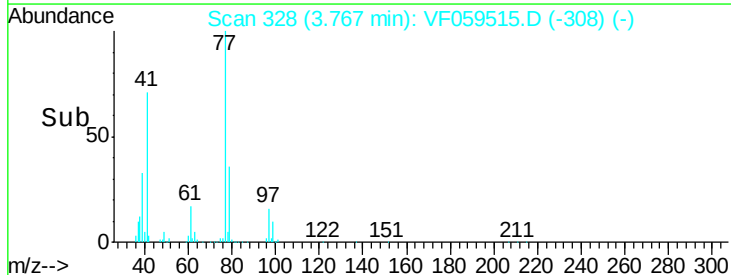
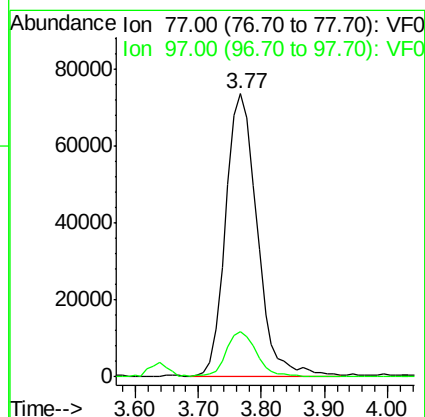
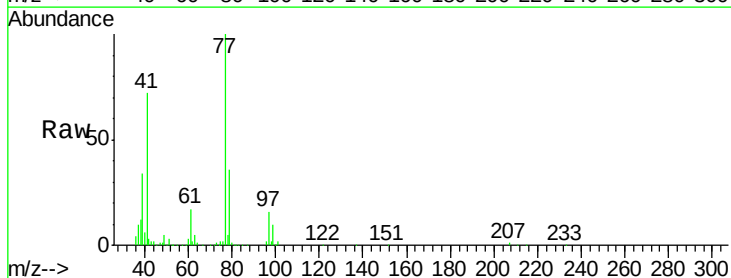
RT: 3.77 min Scan# 328

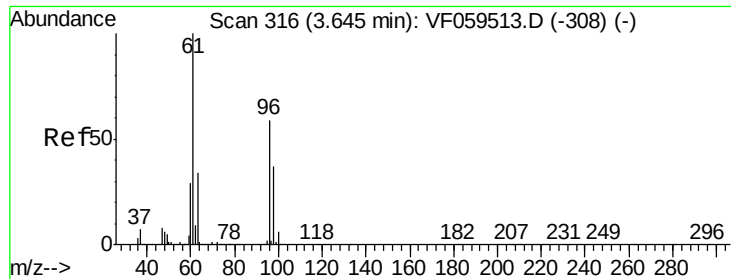
Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
77	100		
97	15.8	8.1	24.3





#27

cis-1,2-Dichloroethene

Concen: 85.01 ug/l

RT: 3.64 min Scan# 315

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

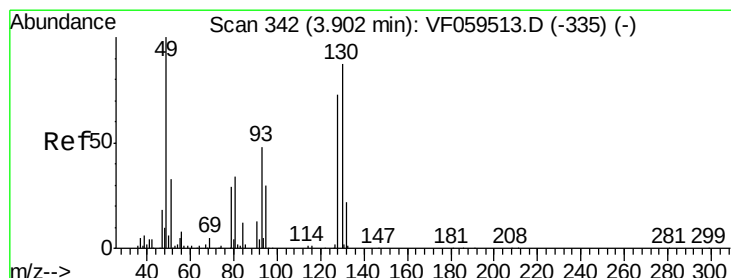
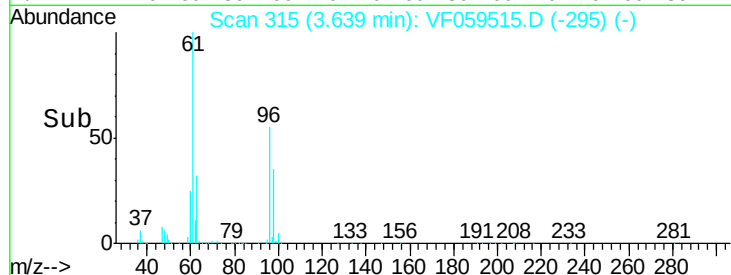
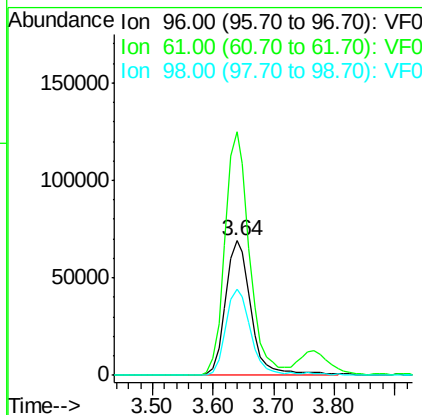
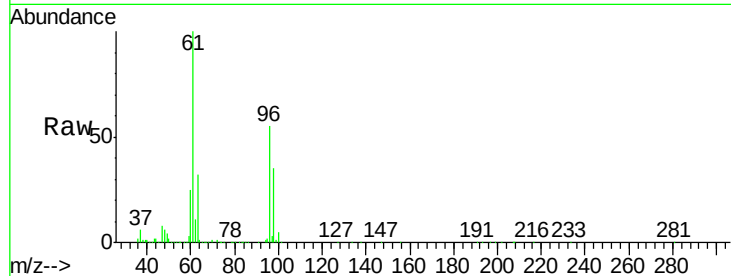
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	203081
Ion Ratio	Lower	Upper	
96	100		
61	180.7	0.0	339.0
98	64.0	0.0	125.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#28

Bromochloromethane

Concen: 90.85 ug/l

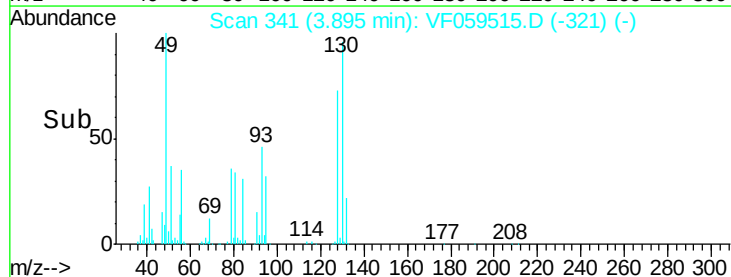
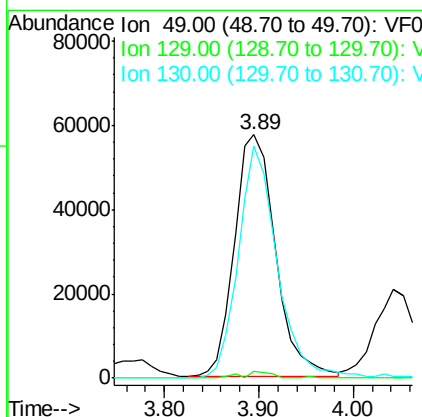
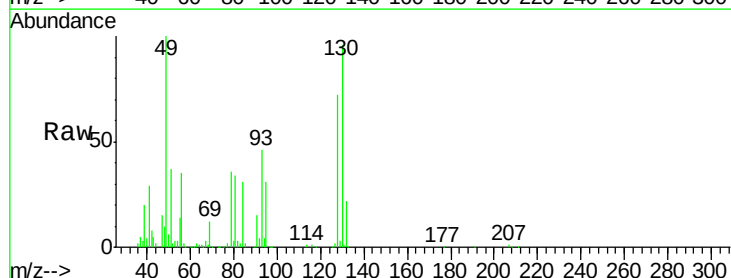
RT: 3.89 min Scan# 341

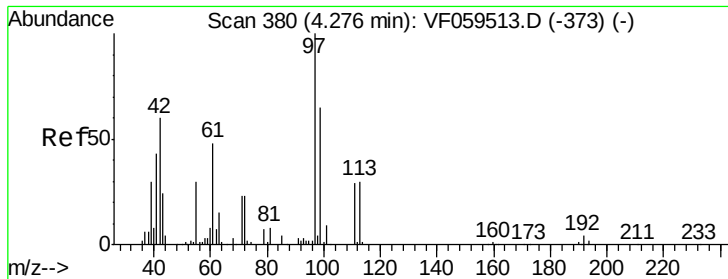
Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion:	49	Resp:	172499
Ion Ratio	Lower	Upper	
49	100		
129	2.8	0.0	0.0#
130	95.6	69.8	104.6





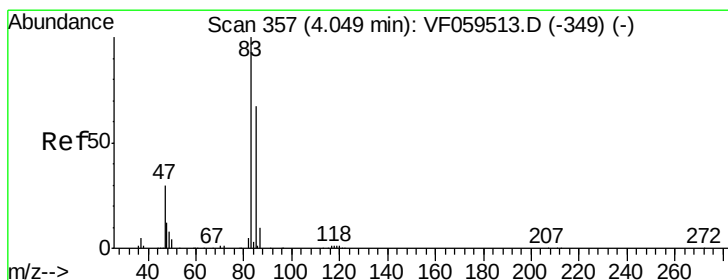
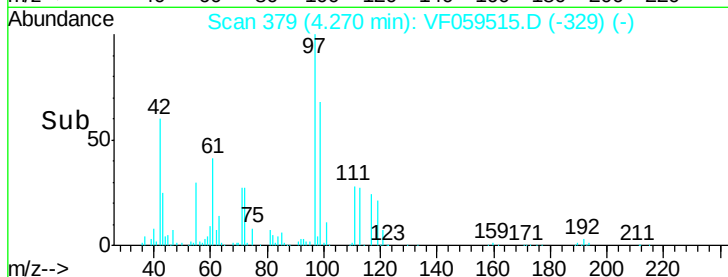
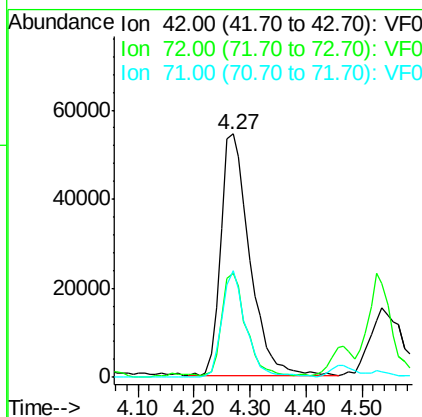
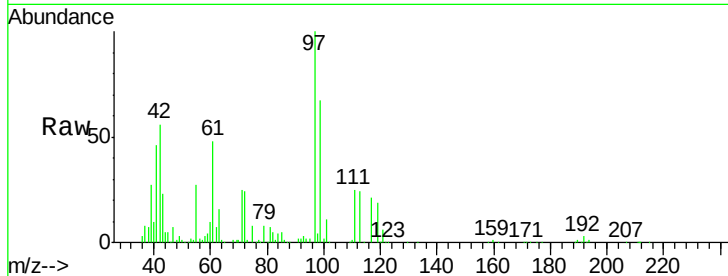
#29
Tetrahydrofuran
Concen: 444.45 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	28.7	43.1
71	36.8	30.8	46.2

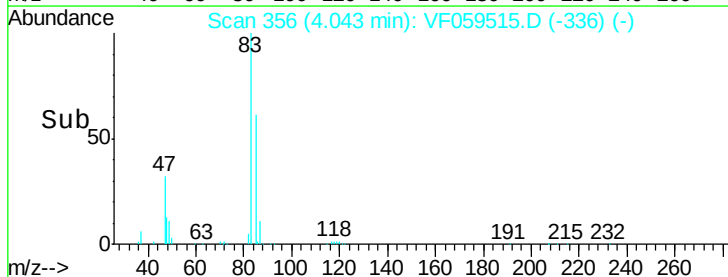
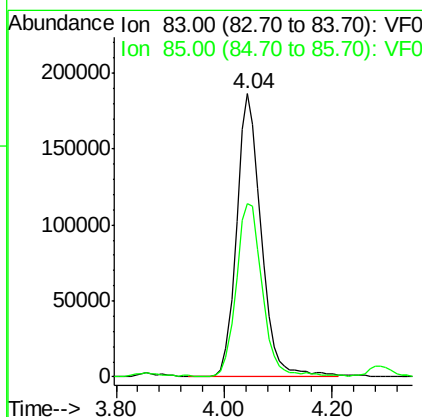
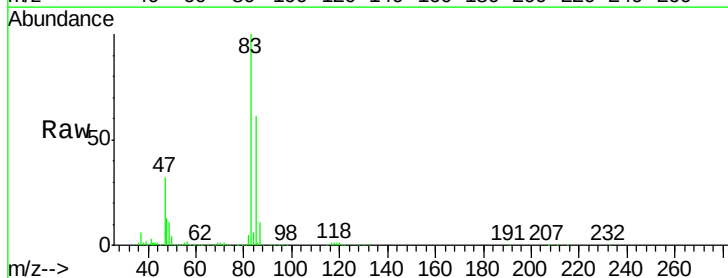
Manual Integrations
APPROVED

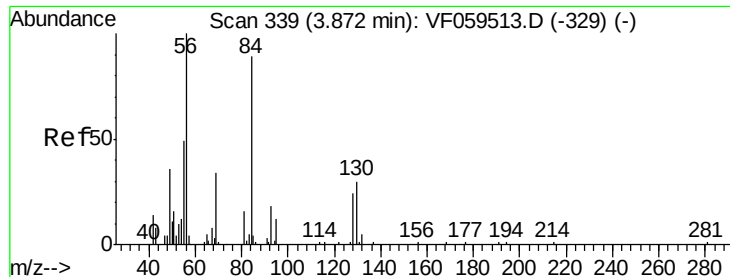
apatel
7/18/2018 3:16:17 PM



#30
Chloroform
Concen: 94.90 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	53.2	79.8





#31

Cyclohexane

Concen: 92.88 ug/l

RT: 3.87 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

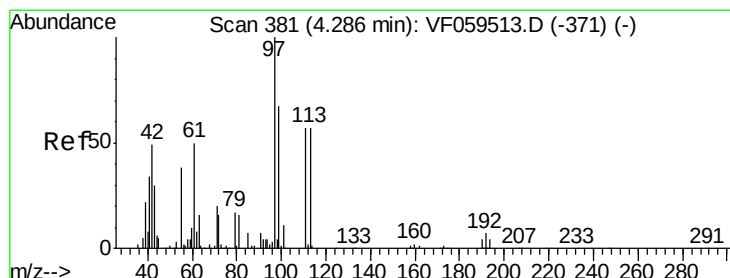
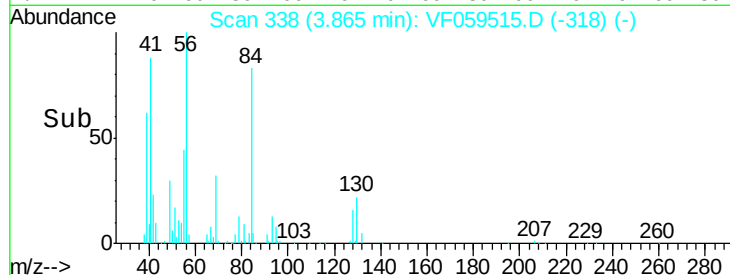
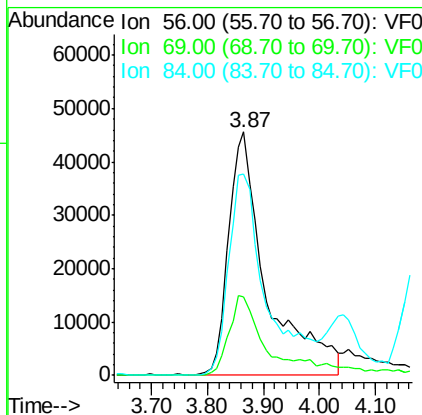
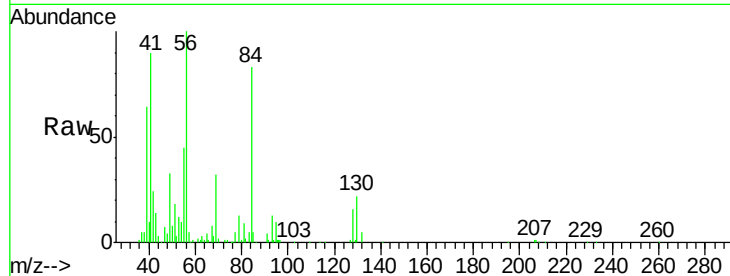
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	214803
Ion	Ratio	Lower	Upper
56	100		
69	32.1	27.6	41.4
84	82.7	71.4	107.2

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#32

1,1,1-Trichloroethane

Concen: 89.14 ug/l

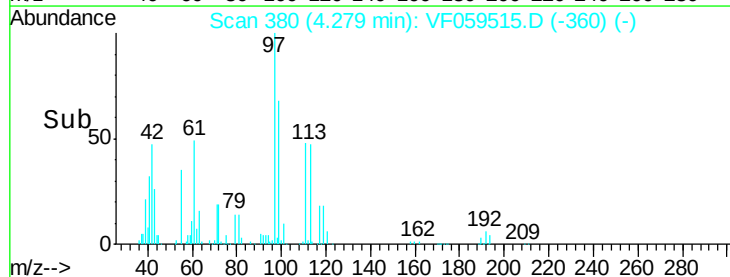
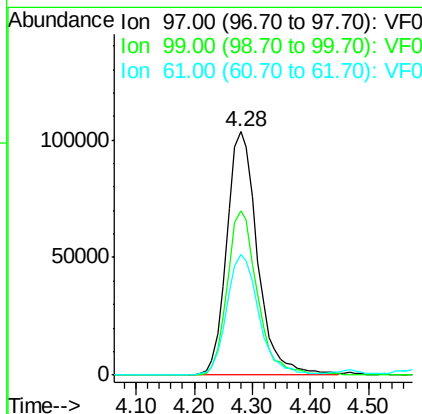
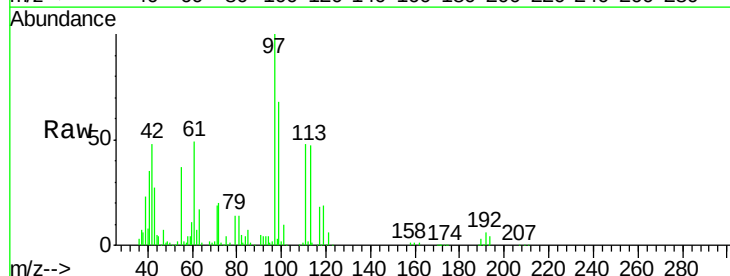
RT: 4.28 min Scan# 380

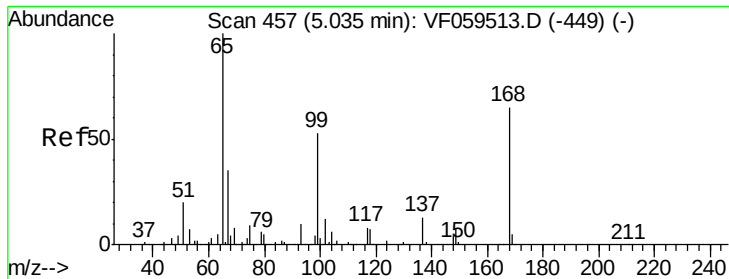
Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion:	97	Resp:	380248
Ion	Ratio	Lower	Upper
97	100		
99	67.7	53.5	80.3
61	49.4	39.7	59.5





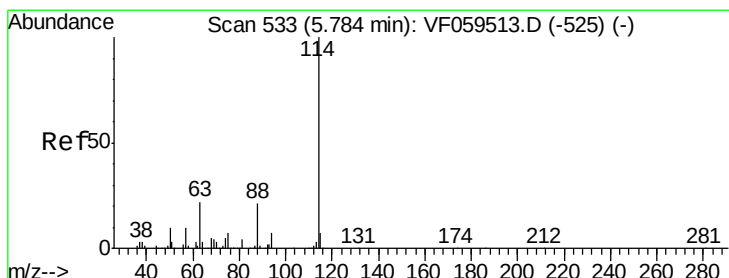
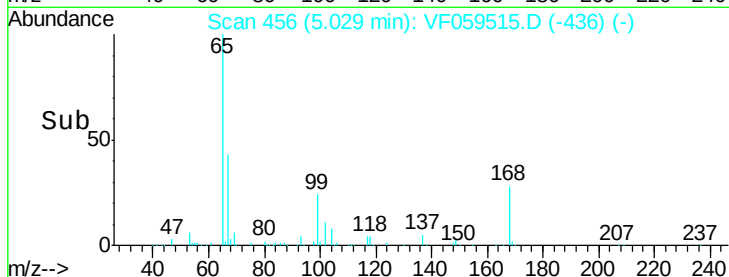
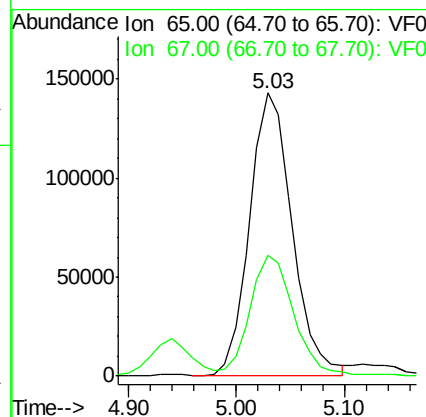
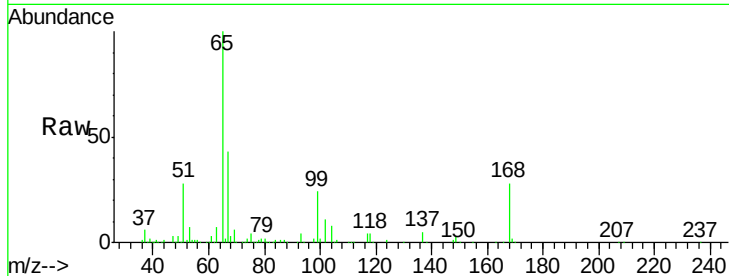
#33
 1,2-Dichloroethane-d4
 Concen: 94.93 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	390568		
67	42.8	0.0	91.2	

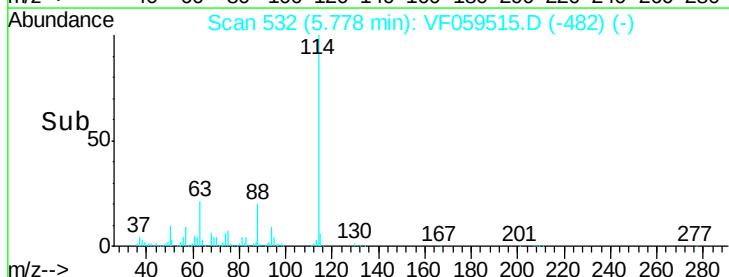
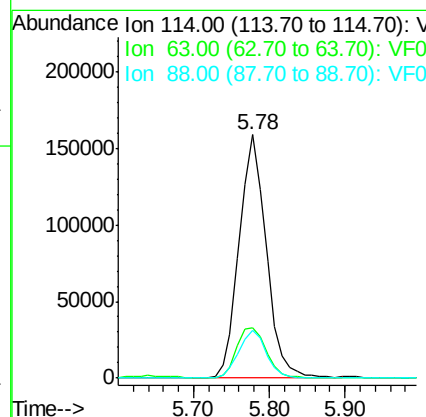
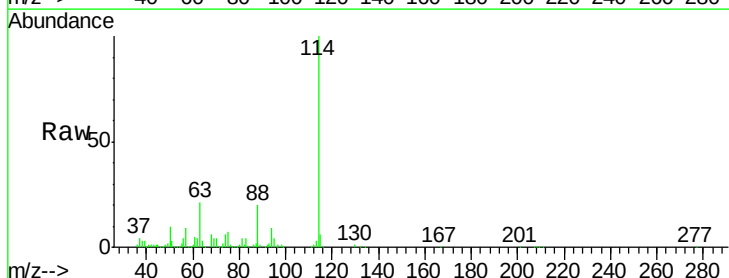
Manual Integrations
 APPROVED

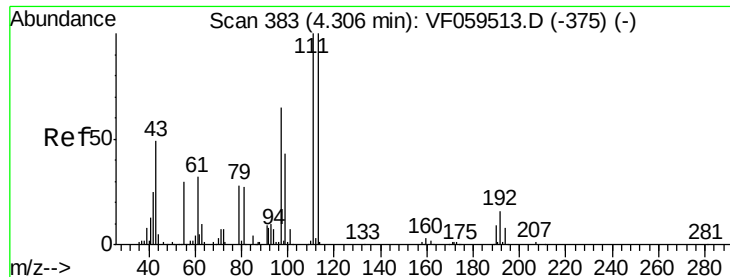
apatel
 7/18/2018 3:16:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	395962		
63	20.9	0.0	44.8	
88	19.5	0.0	42.6	





#35

Dibromofluoromethane

Concen: 94.14 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

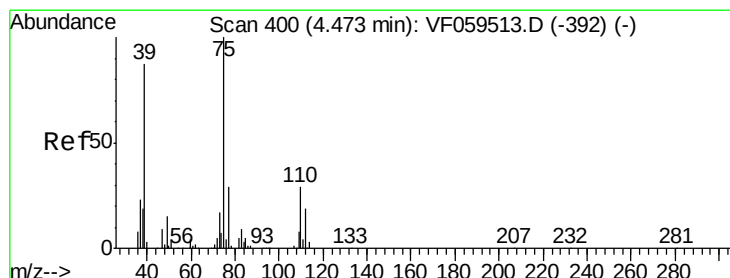
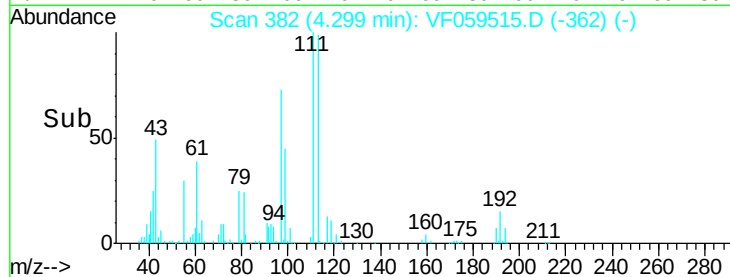
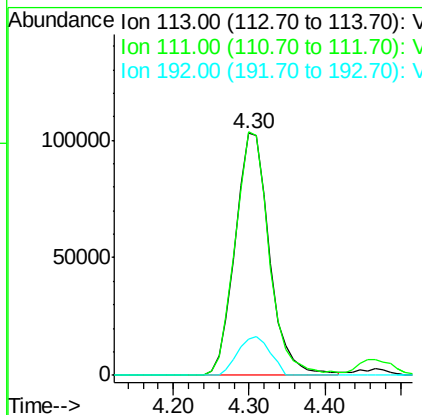
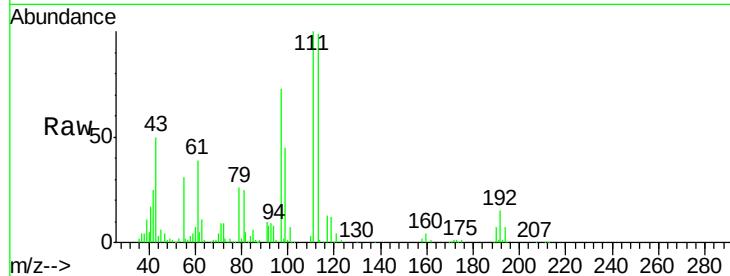
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	323721
Ion Ratio	Lower	Upper	
113	100		
111	100.5	80.3	120.5
192	14.9	13.1	19.7

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#36

1,1-Dichloropropene

Concen: 91.74 ug/l

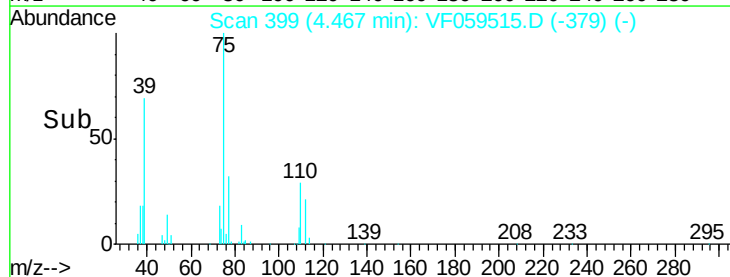
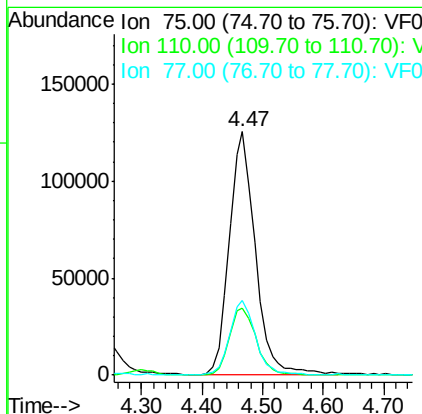
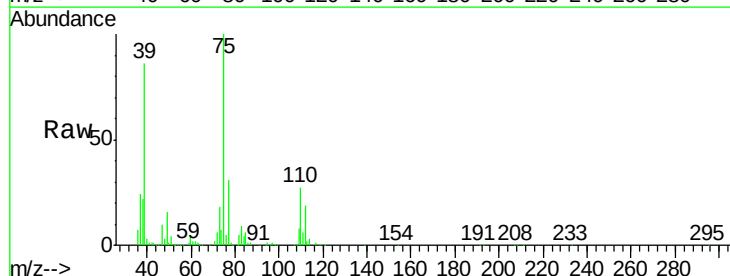
RT: 4.47 min Scan# 399

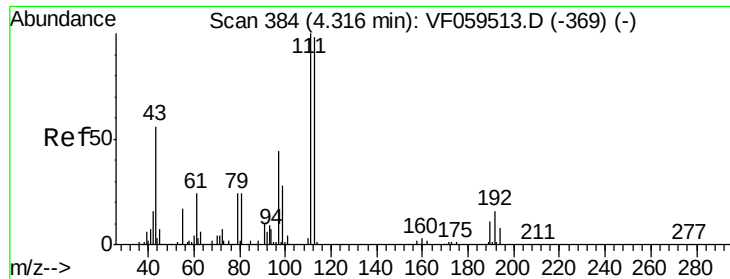
Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion:	75	Resp:	369921
Ion Ratio	Lower	Upper	
75	100		
110	27.4	14.6	43.8
77	30.8	23.7	35.5





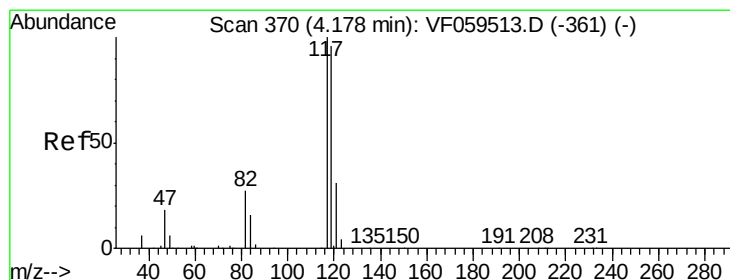
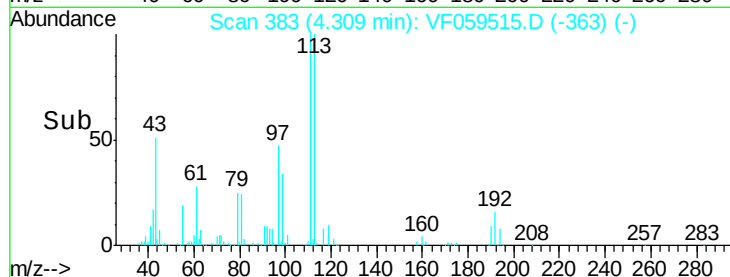
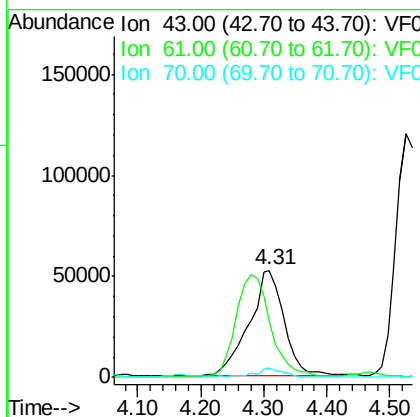
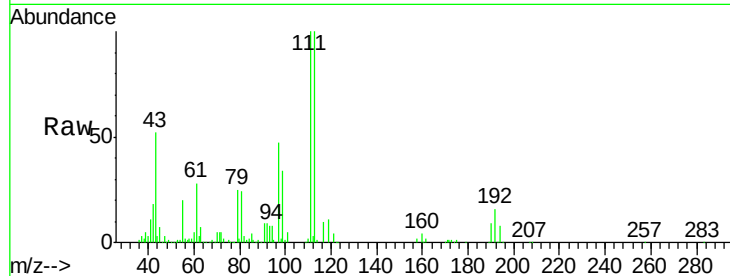
#37
Ethyl Acetate
Concen: 82.41 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	43	61	70	Ratio	Lower	Upper
203389	100	53.6	8.8		33.7	11.0

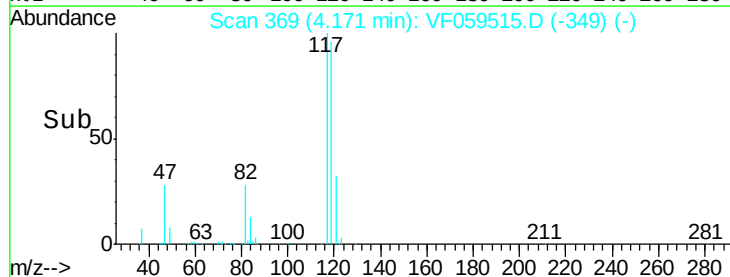
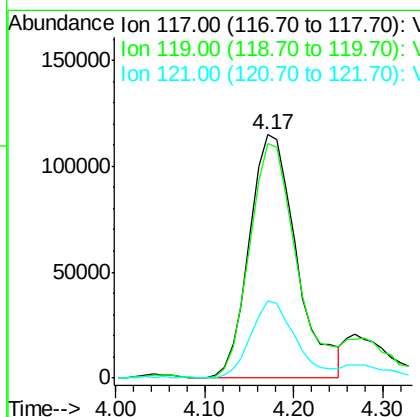
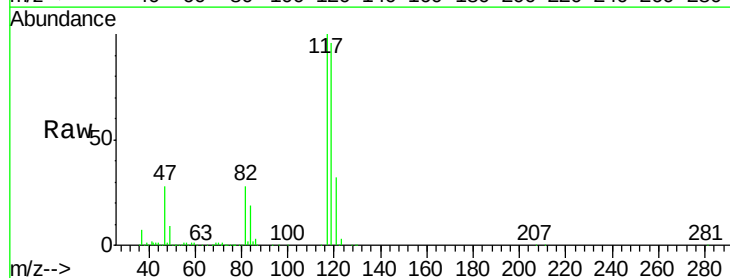
Manual Integrations
APPROVED

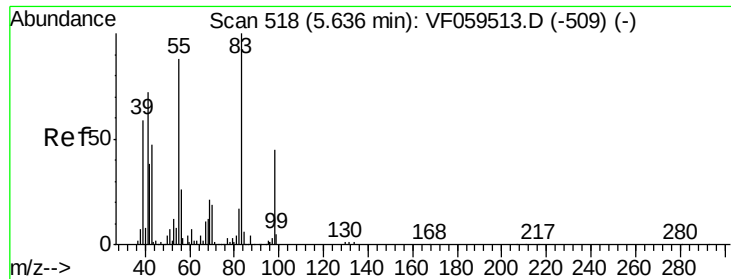
apatel
7/18/2018 3:16:17 PM



#38
Carbon Tetrachloride
Concen: 89.75 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	117	119	121	Ratio	Lower	Upper
419613	100	96.2	31.8		77.6	37.3





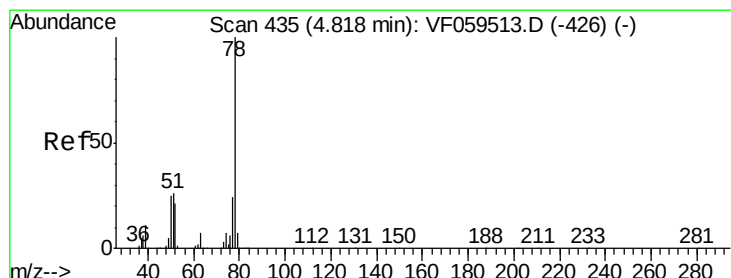
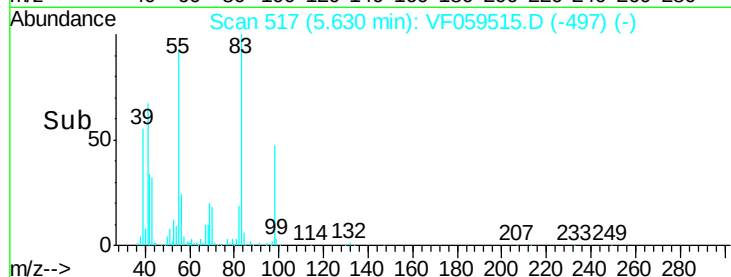
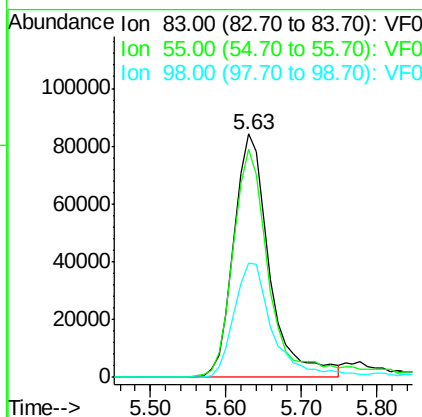
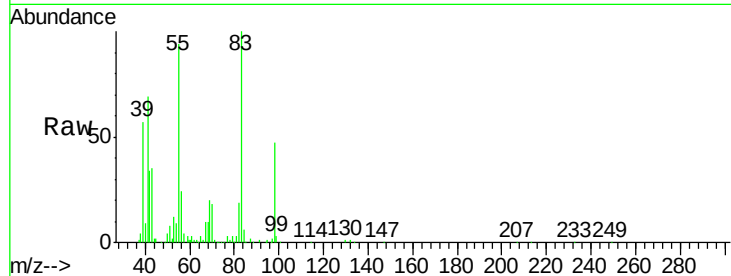
#39
Methylvlcyclohexane
Concen: 90.89 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	275999
Ion Ratio	Lower	Upper	
83	100		
55	93.6	70.2	105.4
98	47.1	36.2	54.2

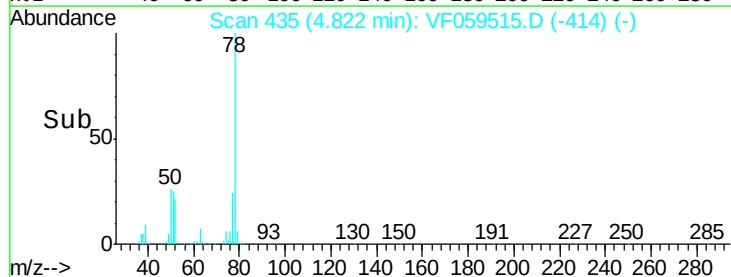
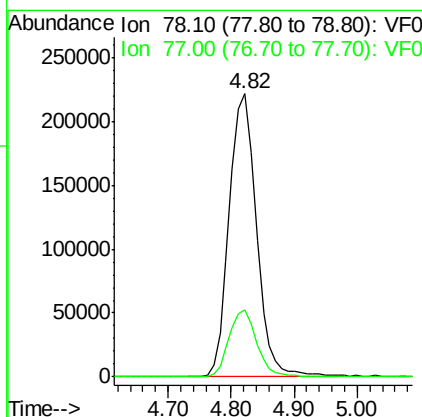
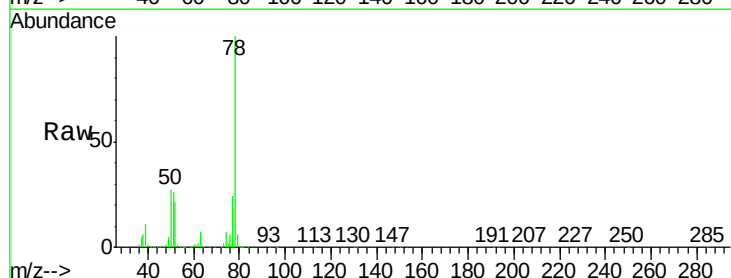
Manual Integrations
APPROVED

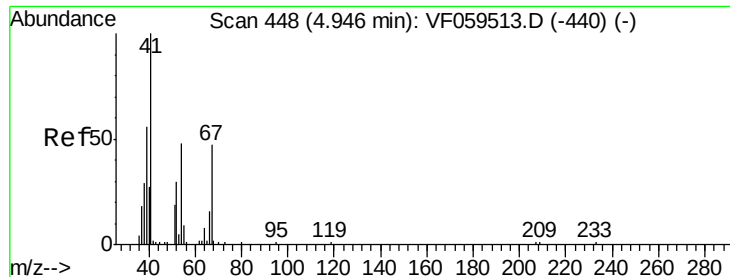
apatel
7/18/2018 3:16:17 PM



#40
Benzene
Concen: 85.09 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	78	Resp	666635
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.4	29.0





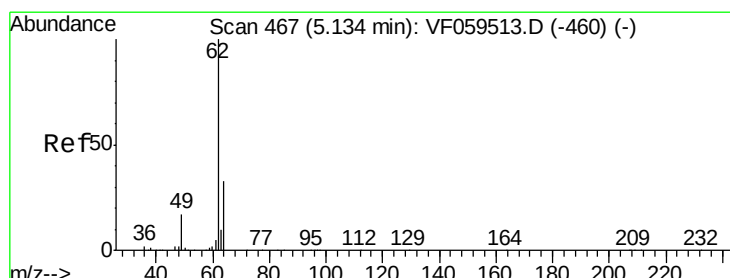
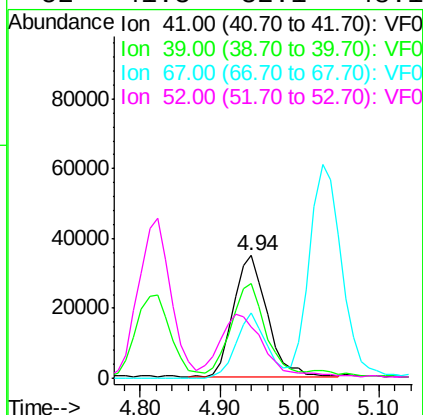
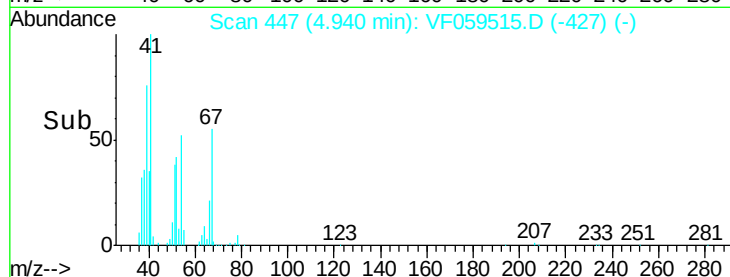
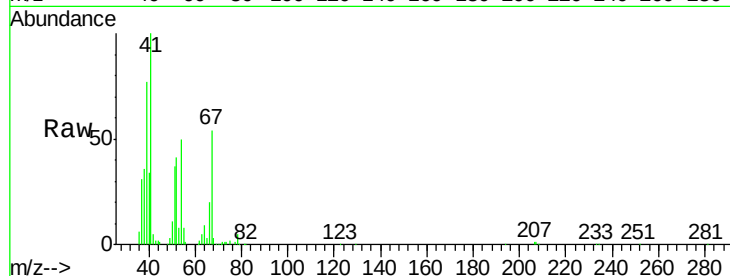
#41
Methacrylonitrile
Concen: 85.01 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.1	49.4	74.0#
67	53.6	37.4	56.2
52	41.3	32.1	48.1

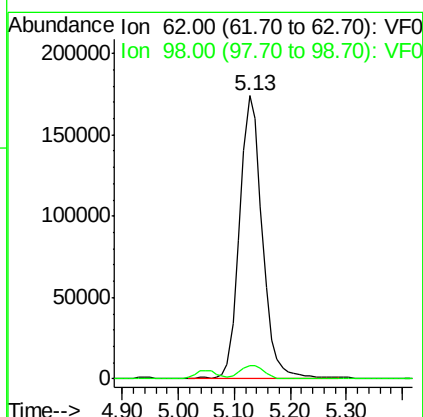
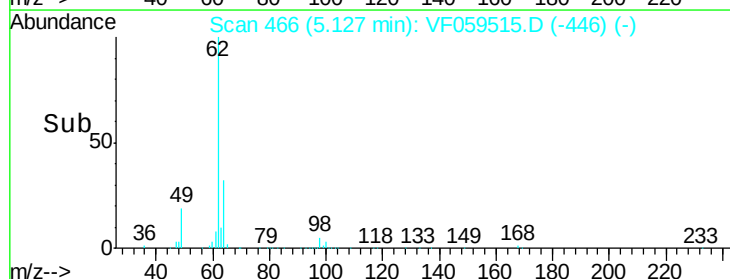
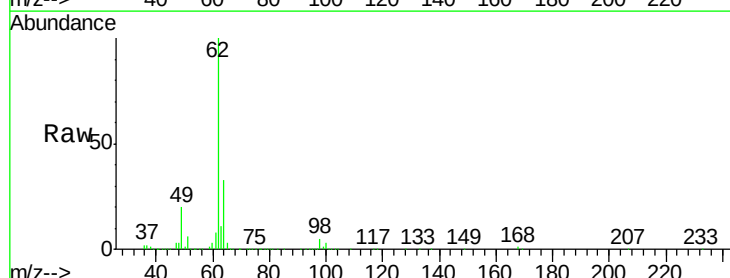
Manual Integrations
APPROVED

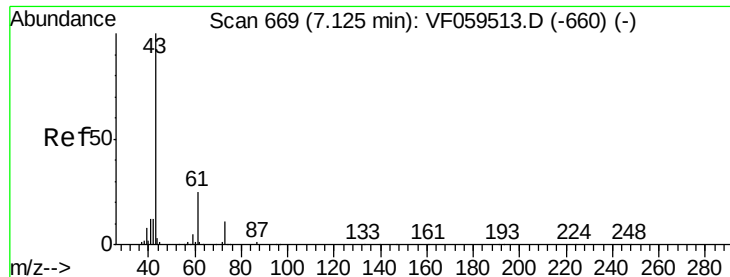
apatel
7/18/2018 3:16:17 PM



#42
1,2-Dichloroethane
Concen: 98.26 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.6





#43

Isopropyl Acetate

Concen: 91.17 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

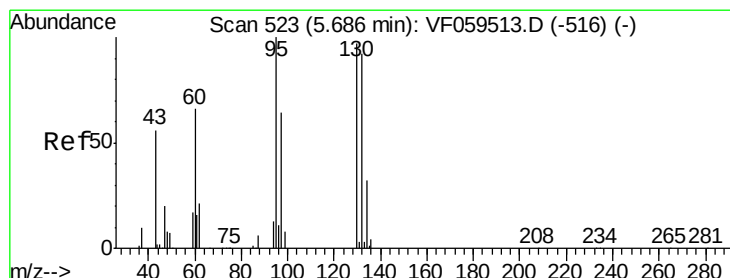
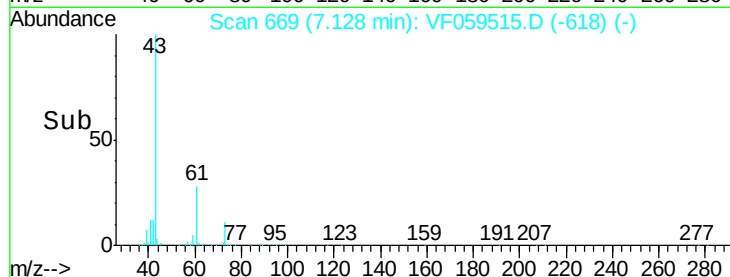
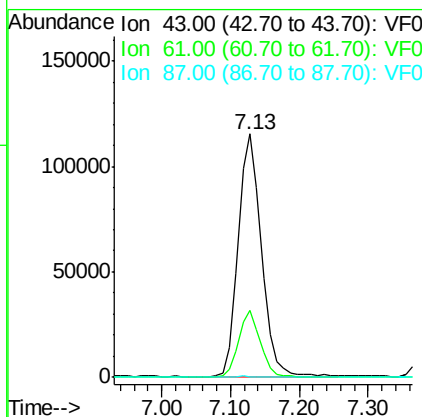
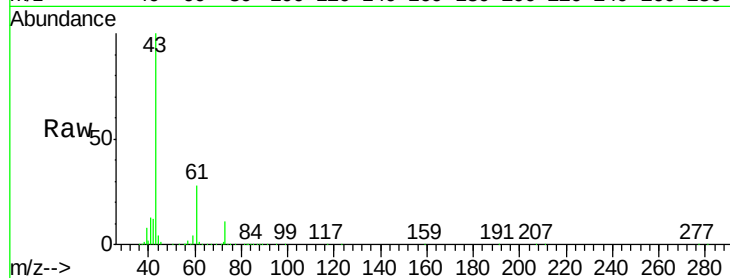
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	269461
Ion Ratio	Lower	Upper	
43	100		
61	27.6	20.3	30.5
87	0.2	0.4	0.6

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#44

Trichloroethene

Concen: 88.97 ug/l

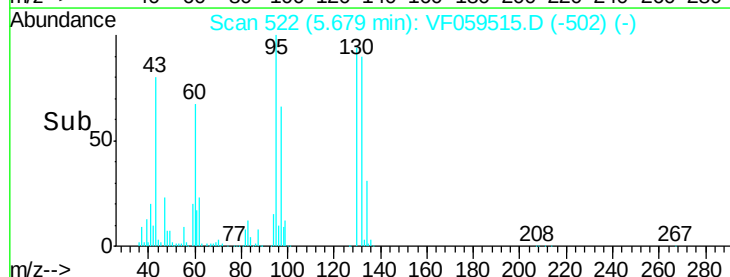
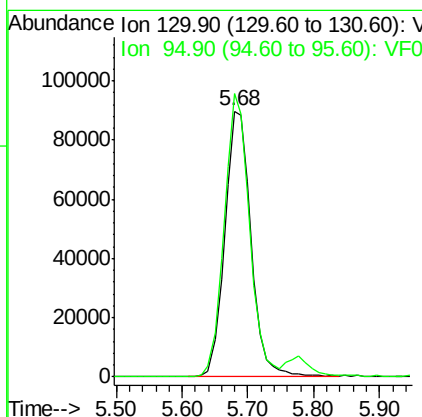
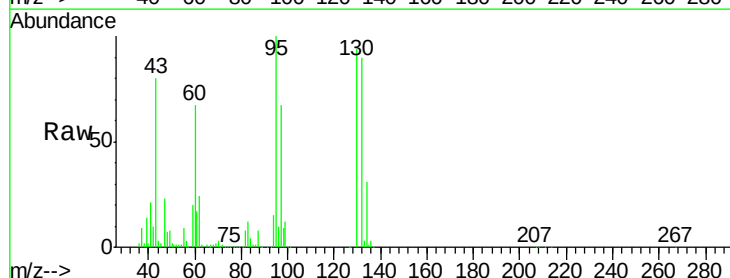
RT: 5.68 min Scan# 522

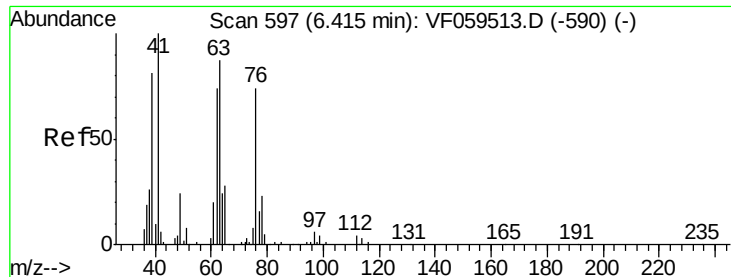
Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion:	130	Resp:	251310
Ion Ratio	Lower	Upper	
130	100		
95	106.4	0.0	206.6





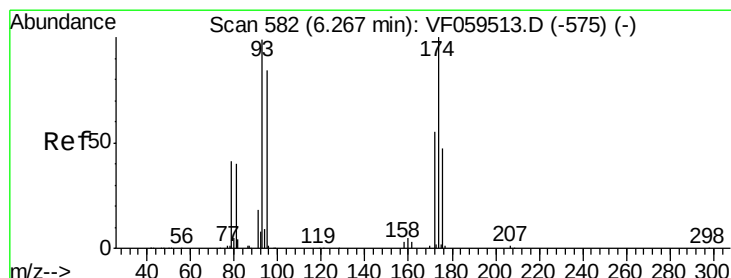
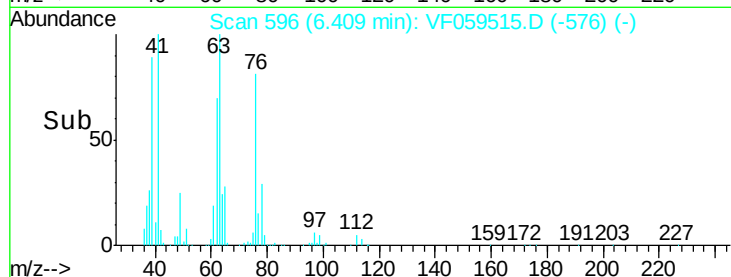
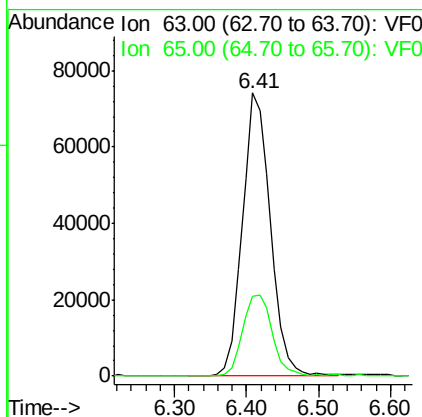
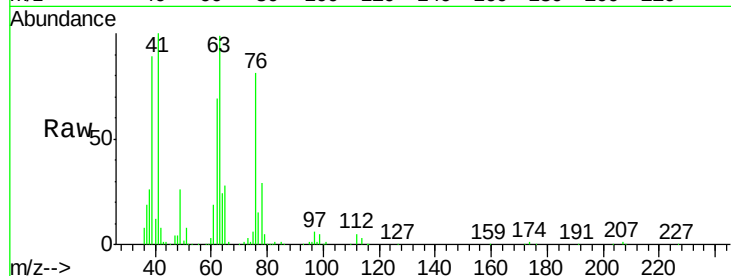
#45
1,2-Dichloropropane
Concen: 90.51 ug/l
RT: 6.41 min Scan# 596
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.3	26.1	39.1

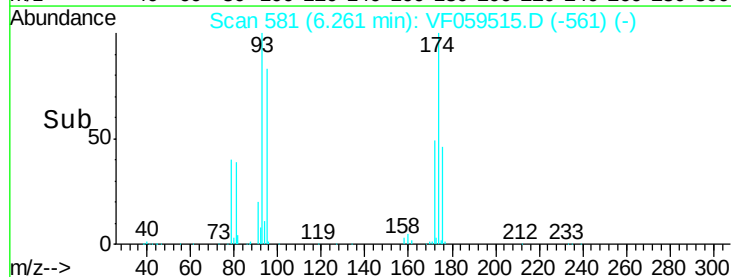
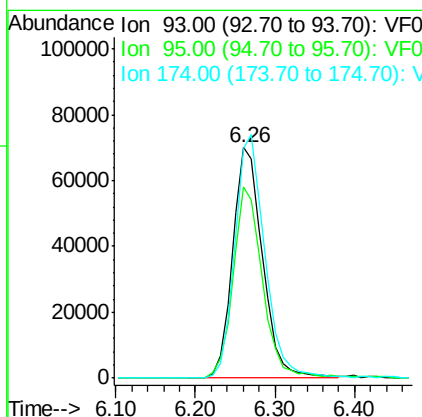
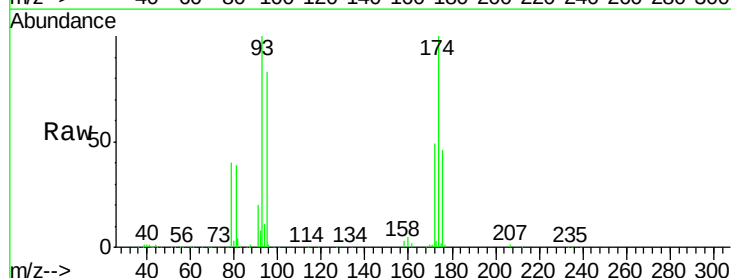
Manual Integrations
APPROVED

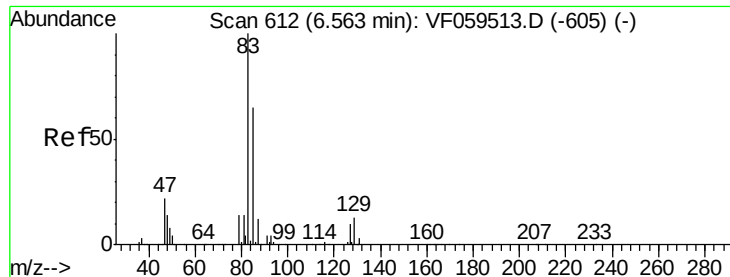
apatel
7/18/2018 3:16:17 PM



#46
Dibromomethane
Concen: 92.08 ug/l
RT: 6.26 min Scan# 581
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	68.3	102.5
174	99.8	81.2	121.8





#47

Bromodichloromethane

Concen: 94.92 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

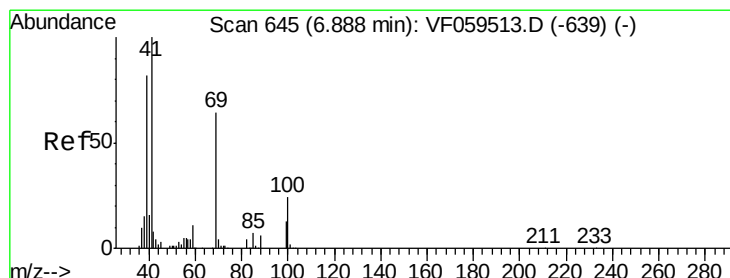
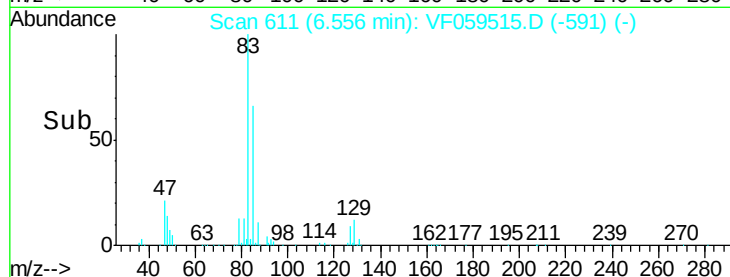
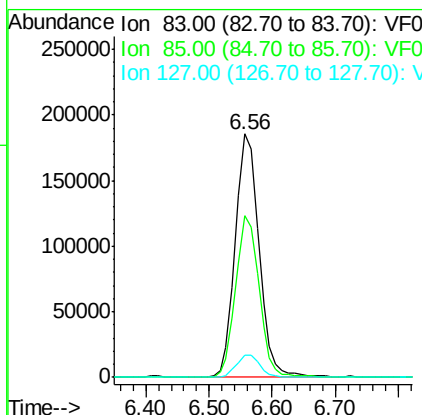
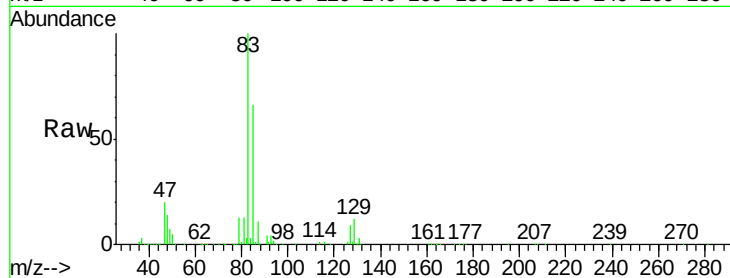
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	481459
Ion Ratio	Lower	Upper	
83	100		
85	66.2	52.4	78.6
127	9.1	8.2	12.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#48

Methyl methacrylate

Concen: 94.46 ug/l

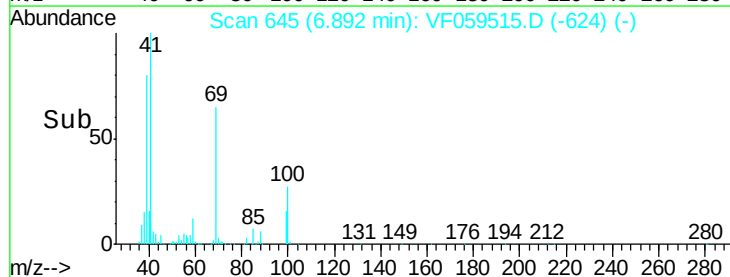
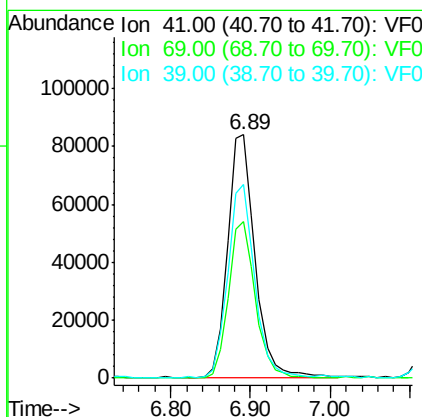
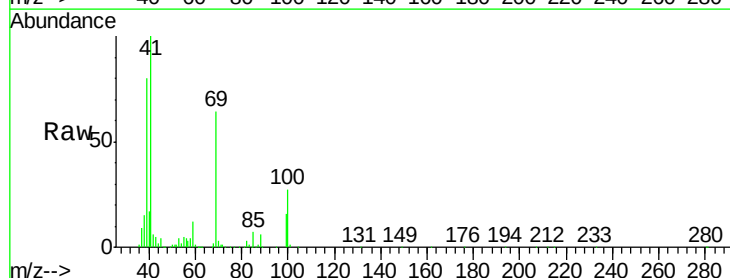
RT: 6.89 min Scan# 645

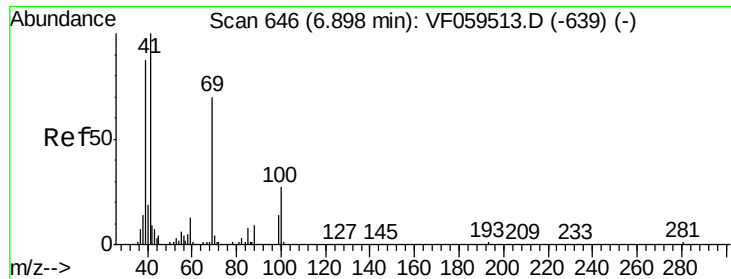
Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion:	41	Resp:	201203
Ion Ratio	Lower	Upper	
41	100		
69	64.5	51.3	76.9
39	79.6	65.3	97.9





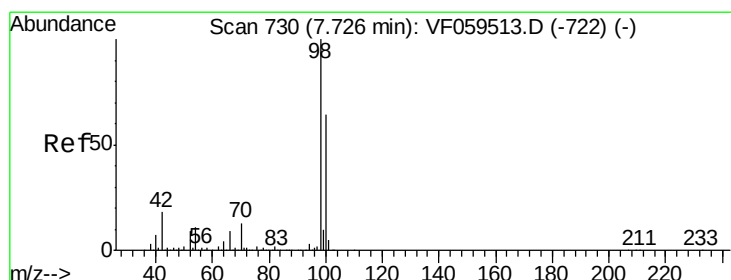
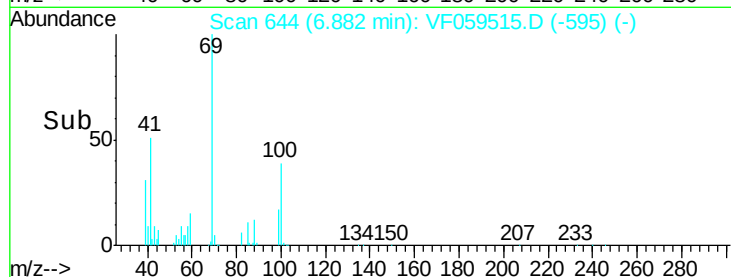
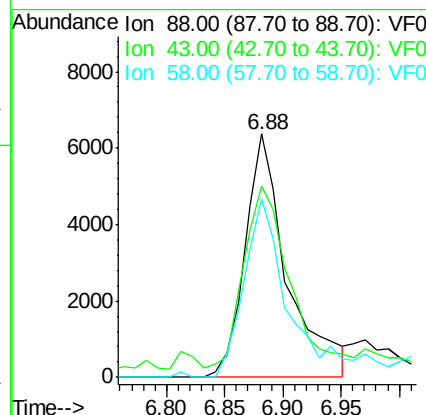
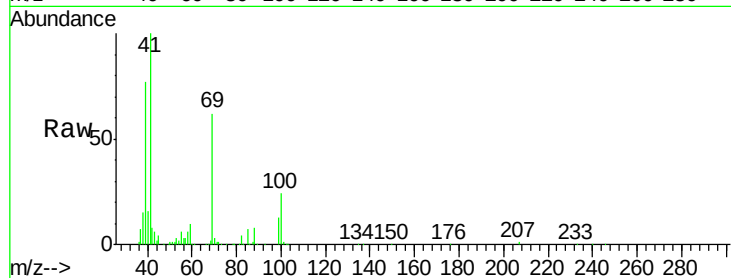
#49
1,4-Dioxane
Concen: 1663.50 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.02 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	16027
Ion	Ratio	Lower	Upper
88	100		
43	78.5	64.8	97.2
58	73.2	44.1	66.1#

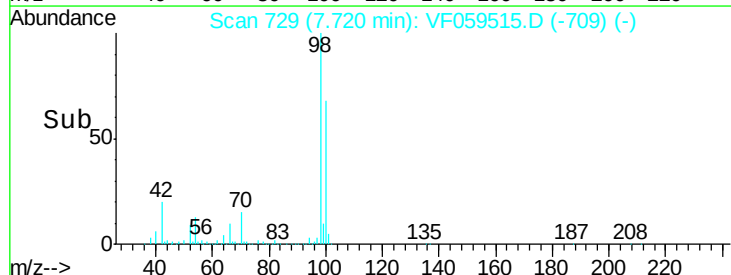
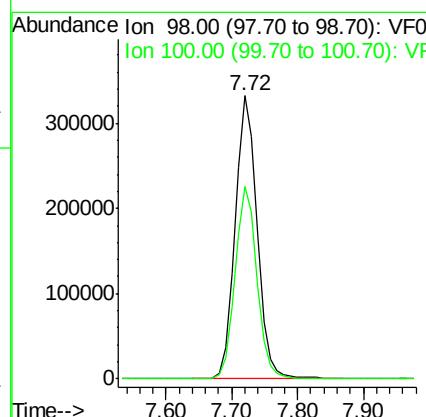
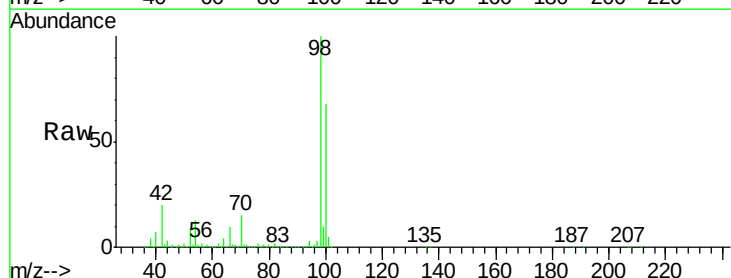
Manual Integrations
APPROVED

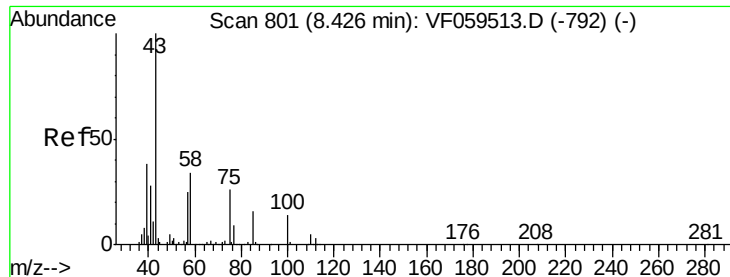
apatel
7/18/2018 3:16:17 PM



#50
Toluene-d8
Concen: 91.79 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	98	Resp	780666
Ion	Ratio	Lower	Upper
98	100		
100	68.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 421.46 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 873884

Ion Ratio Lower Upper

43 100

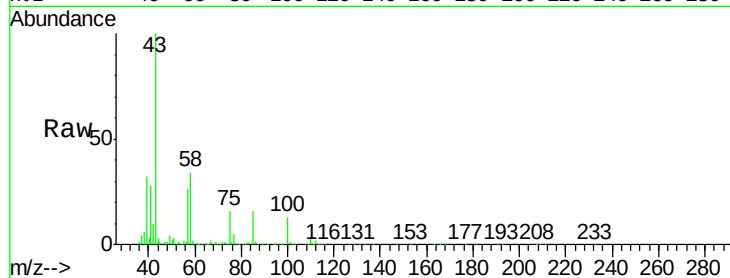
58 34.1 27.4 41.2

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

400000

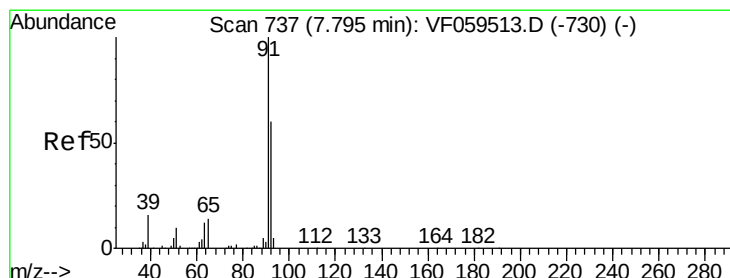
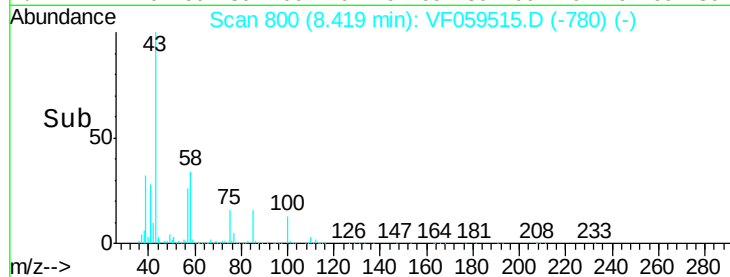
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 91.66 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059515.D

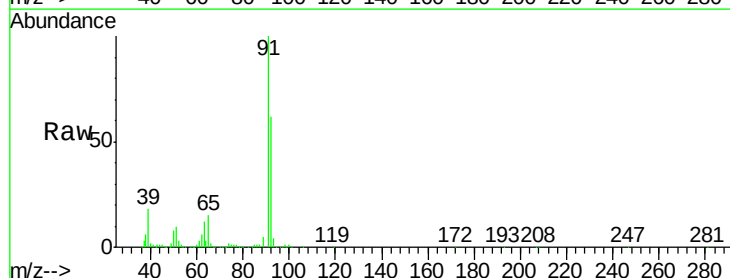
Acq: 17 Jul 2018 18:56

Tgt Ion: 92 Resp: 516418

Ion Ratio Lower Upper

92 100

91 162.4 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

400000

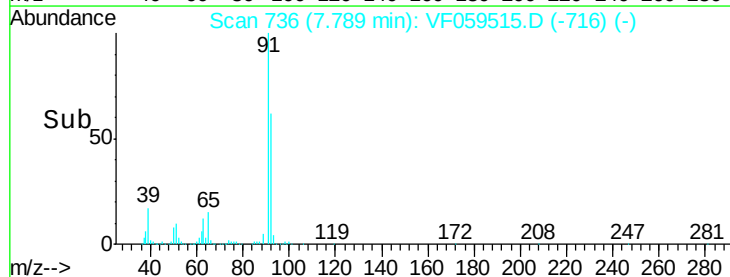
300000

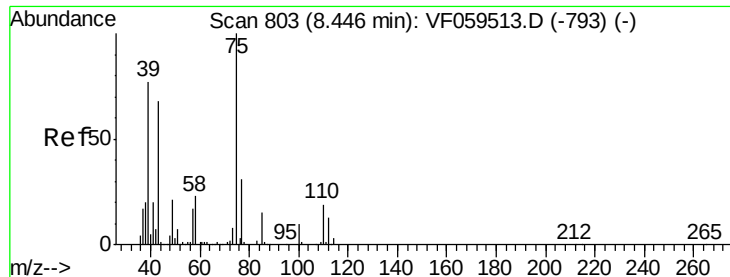
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 92.07 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 412754

Ion Ratio Lower Upper

75 100

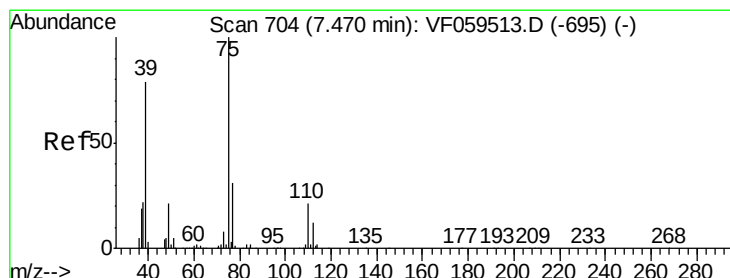
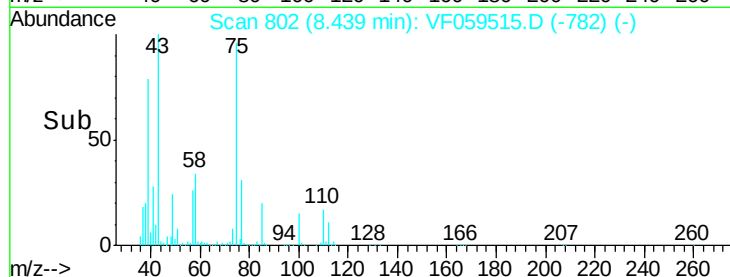
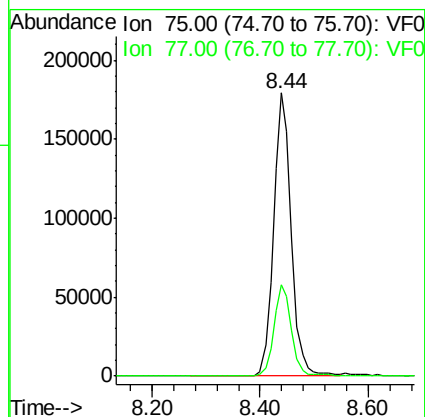
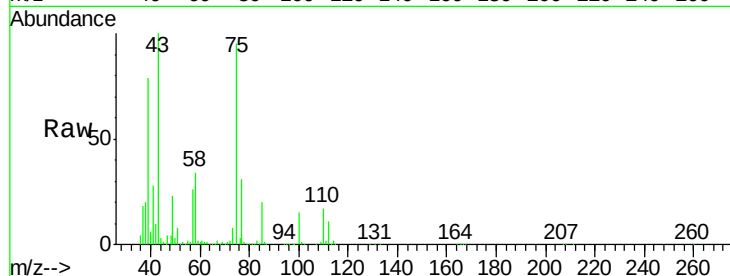
77 32.2 25.3 37.9

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:17 PM



#54

cis-1,3-Dichloropropene

Concen: 96.06 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

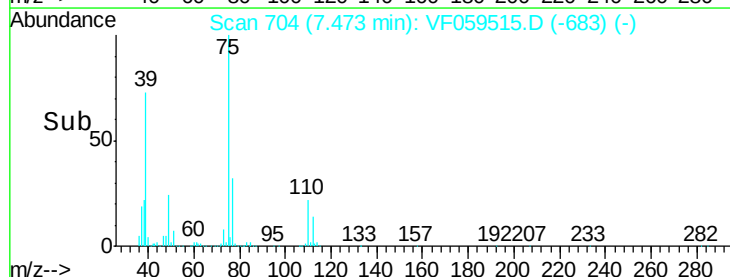
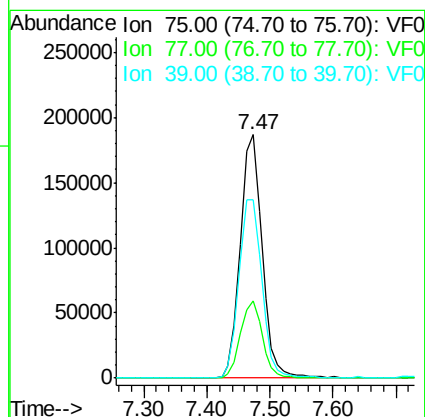
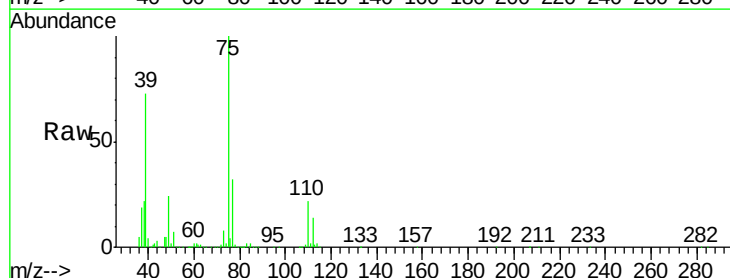
Tgt Ion: 75 Resp: 446797

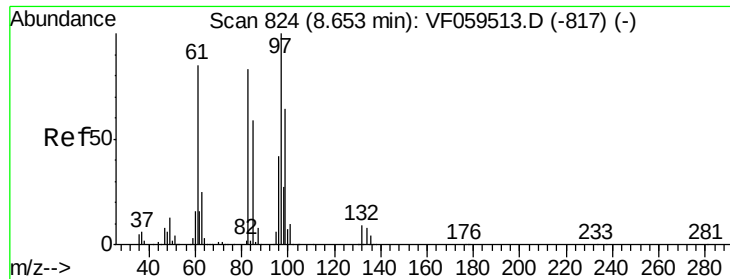
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6

39 73.5 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 92.00 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

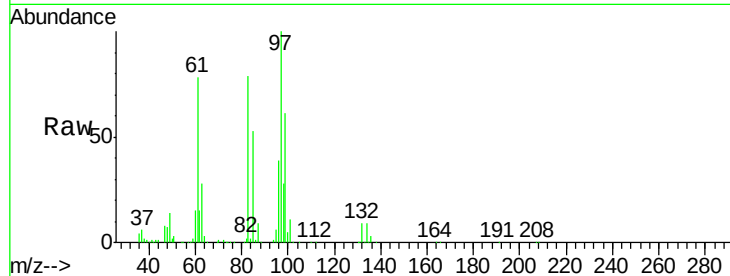
VSTDIC100

Tot Ion:	97	Resp:	206456
Ion	Ratio	Lower	Upper
97	100		
83	79.2	66.9	100.3
85	52.7	46.9	70.3
99	61.2	51.5	77.3

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:17 PM

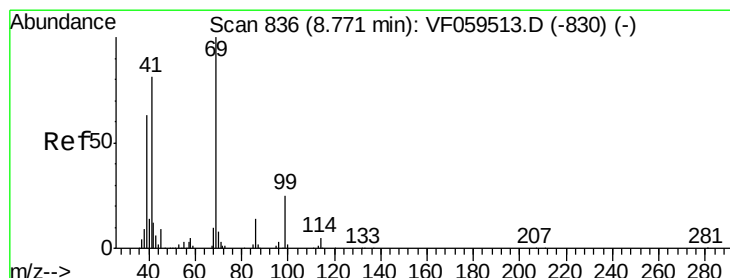
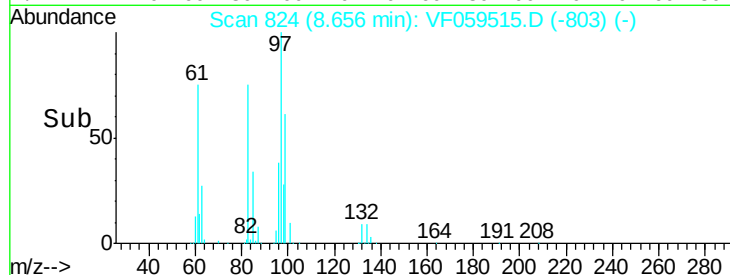
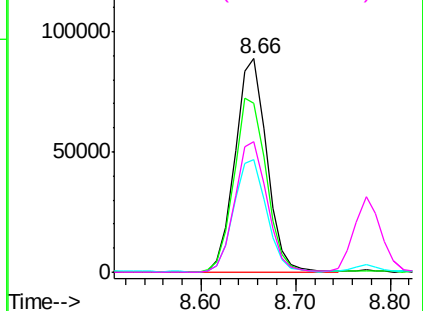


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 94.03 ug/l

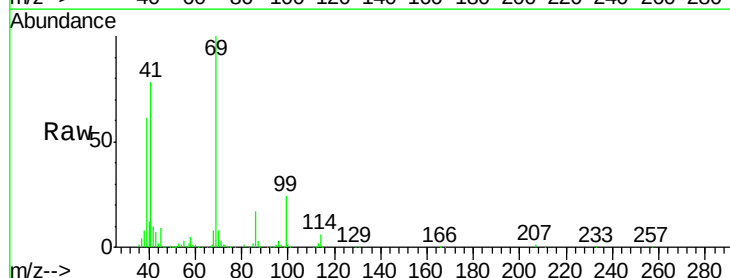
RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

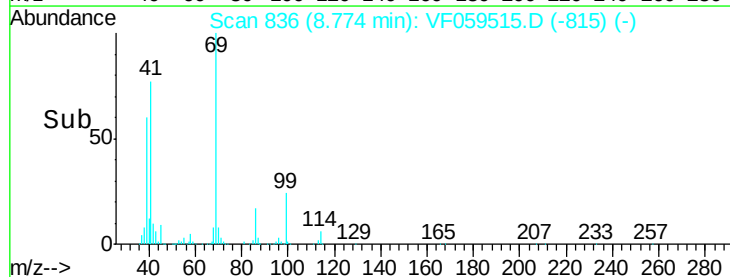
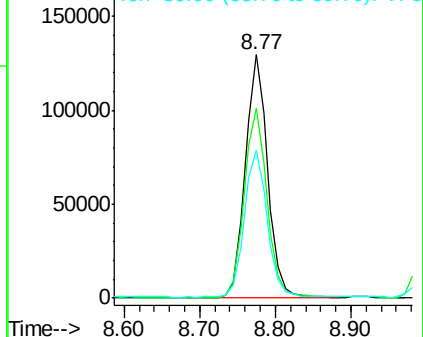
Tgt Ion:	69	Resp:	265750
Ion	Ratio	Lower	Upper
69	100		
41	78.0	65.4	98.2
39	60.7	51.0	76.4

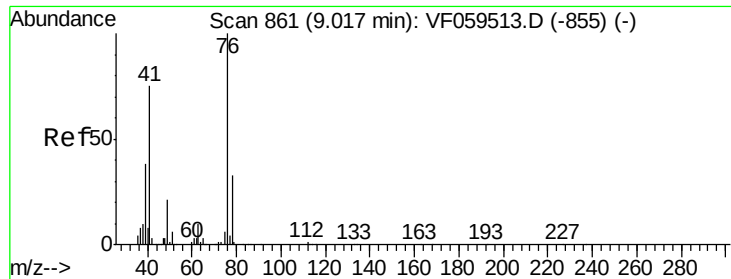


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 91.18 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 348119

Ion Ratio Lower Upper

76 100

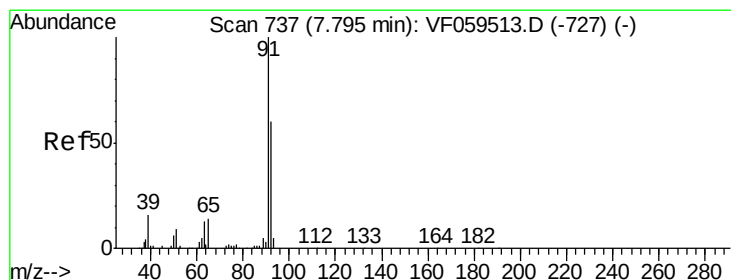
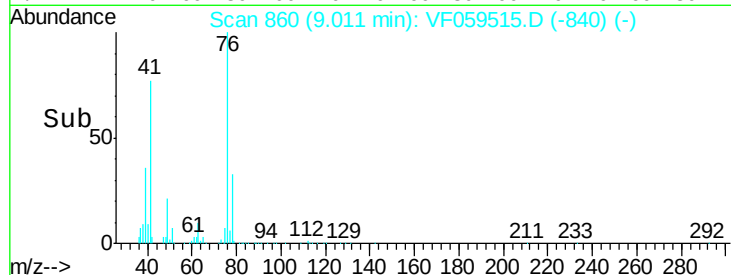
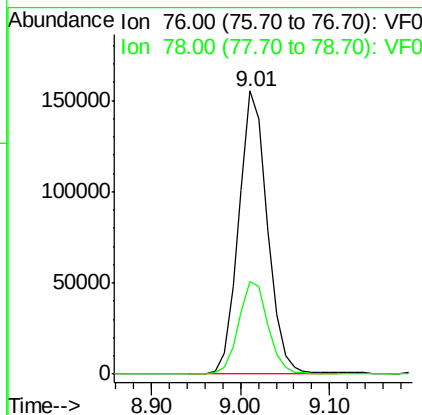
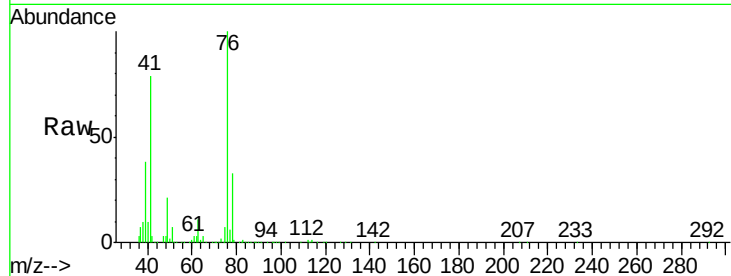
78 32.6 26.4 39.6

Manual Integrations

APPROVED

apatel

7/18/2018 3:16:17 PM



#58

2-Chloroethyl Vinyl ether

Concen: 429.11 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059515.D

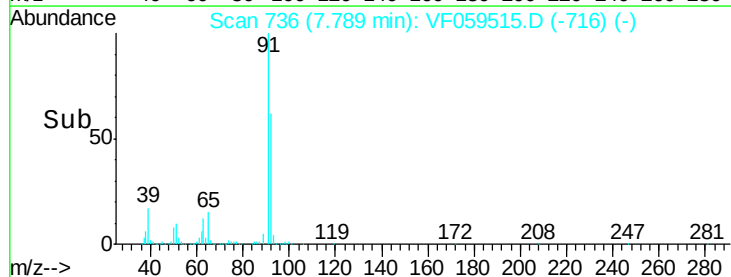
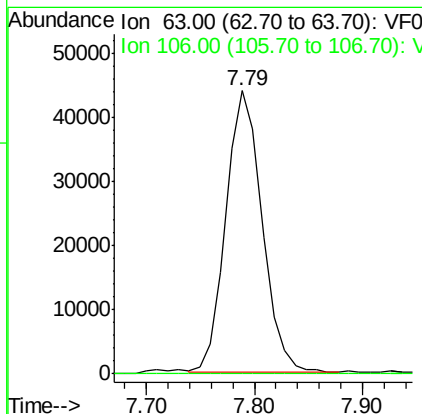
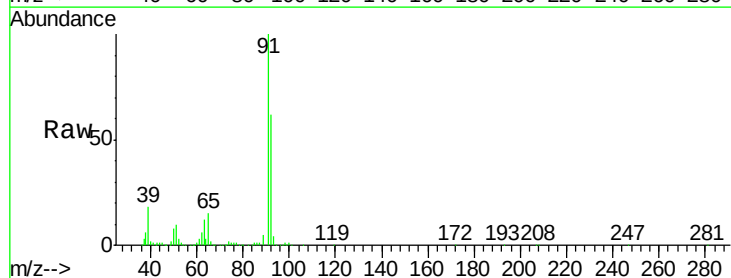
Acq: 17 Jul 2018 18:56

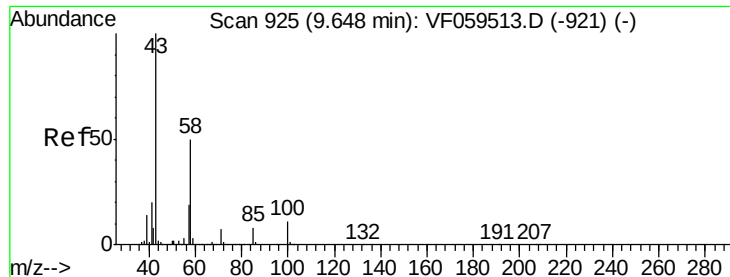
Tgt Ion: 63 Resp: 101272

Ion Ratio Lower Upper

63 100

106 0.2 0.0 0.0#





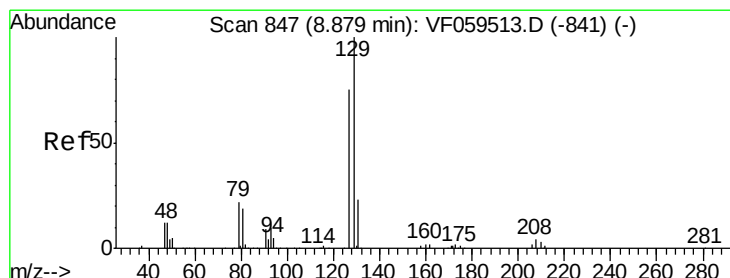
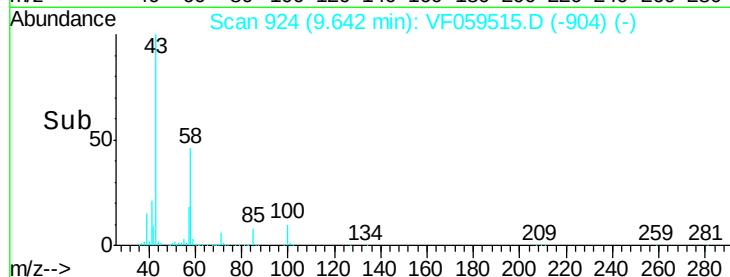
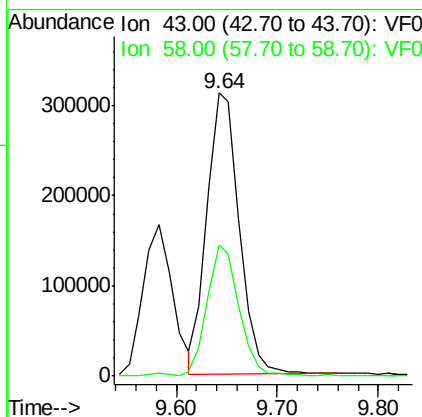
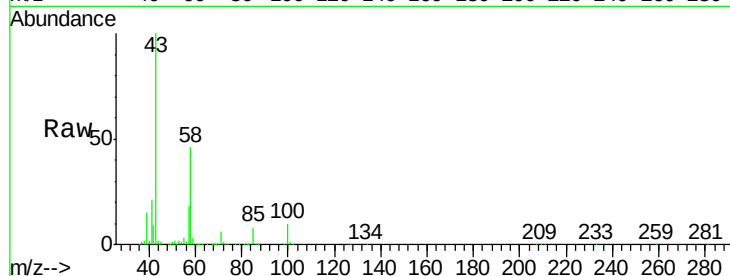
#59
2-Hexanone
Concen: 431.17 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 701439
Ion Ratio Lower Upper
43 100
58 46.3 23.3 69.9

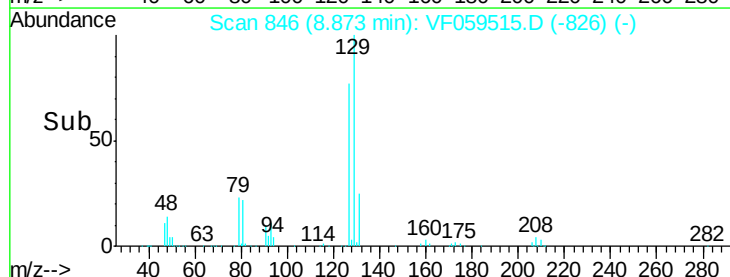
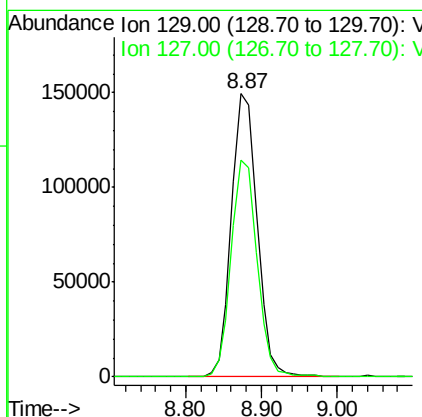
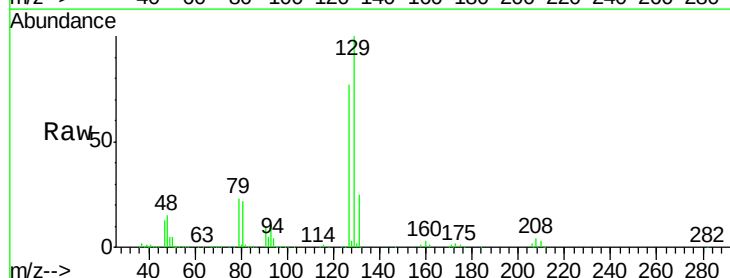
Manual Integrations
APPROVED

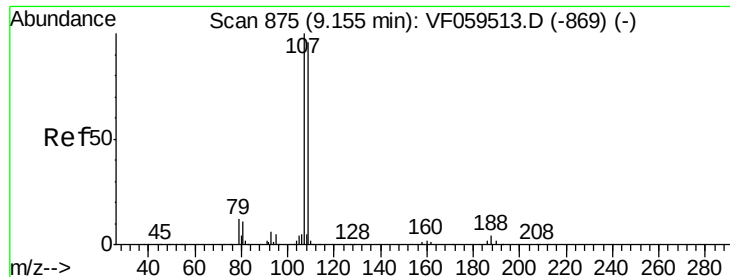
apatel
7/18/2018 3:16:17 PM



#60
Dibromochloromethane
Concen: 96.87 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion: 129 Resp: 352782
Ion Ratio Lower Upper
129 100
127 76.7 37.6 112.8





#61

1,2-Dibromoethane

Concen: 93.05 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 252716

Ion Ratio Lower Upper

107 100

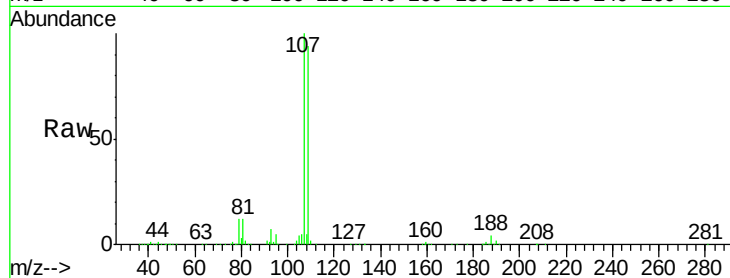
109 93.6 76.5 114.7

Manual Integrations

APPROVED

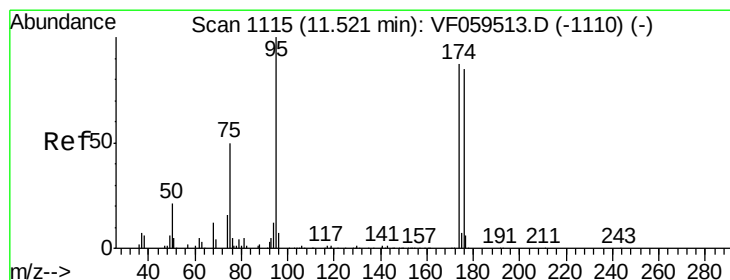
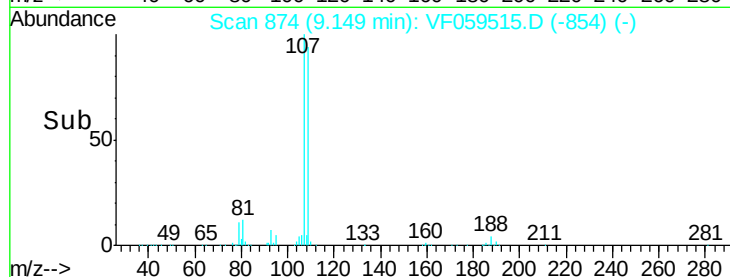
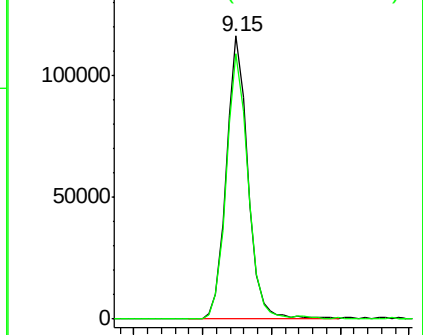
apatel

7/18/2018 3:16:17 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 91.58 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

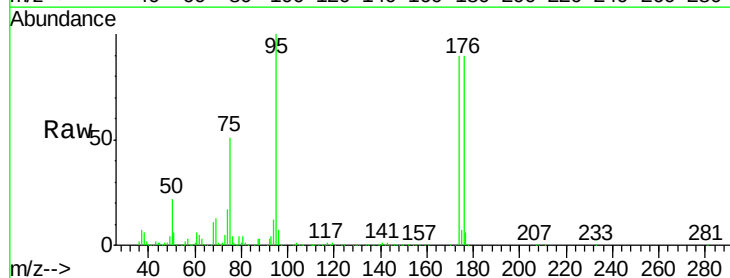
Tgt Ion: 95 Resp: 413802

Ion Ratio Lower Upper

95 100

174 90.4 0.0 174.4

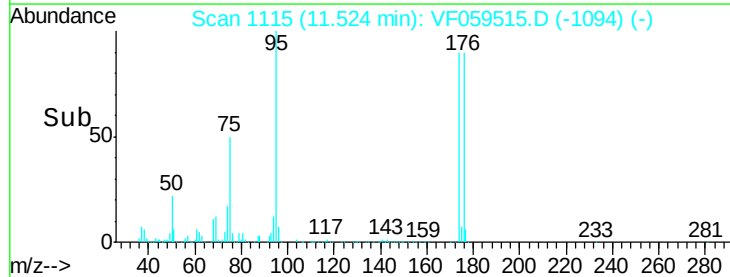
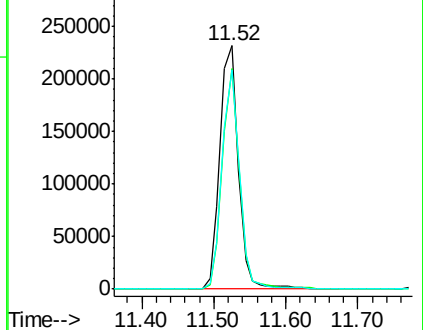
176 90.2 0.0 169.4

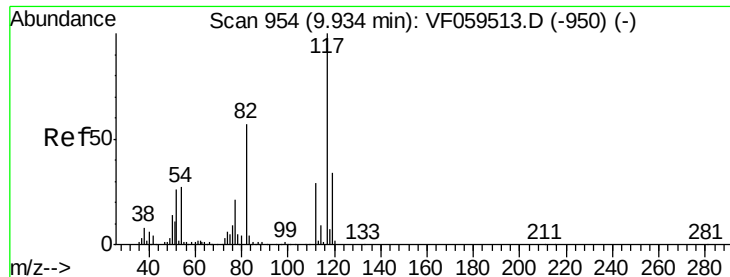


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





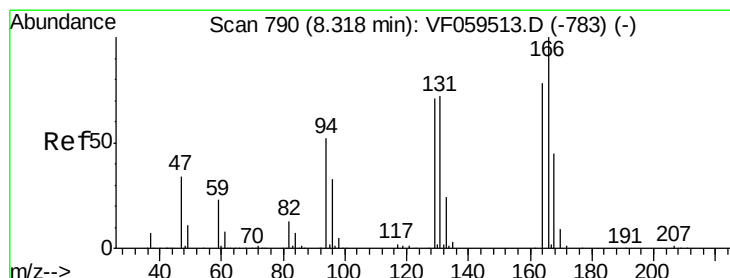
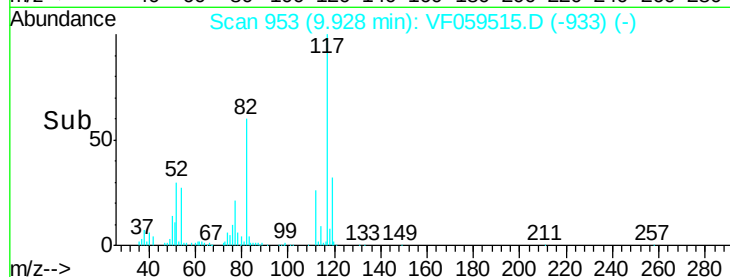
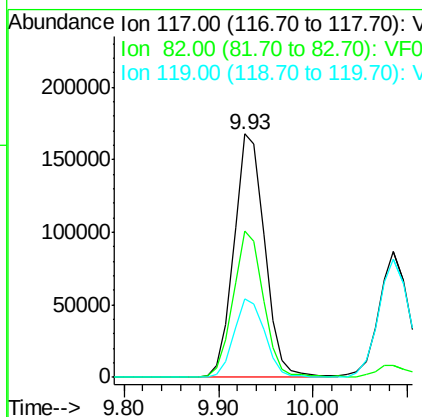
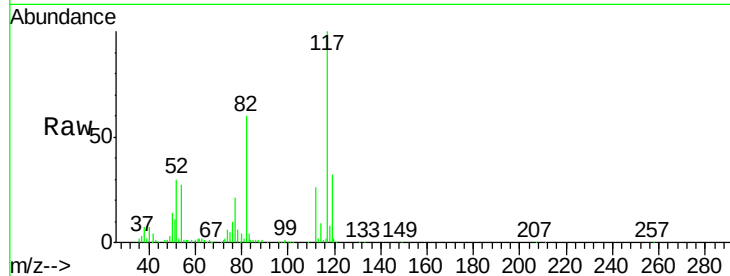
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378217		
82	60.3		46.1	69.1
119	32.5		27.2	40.8

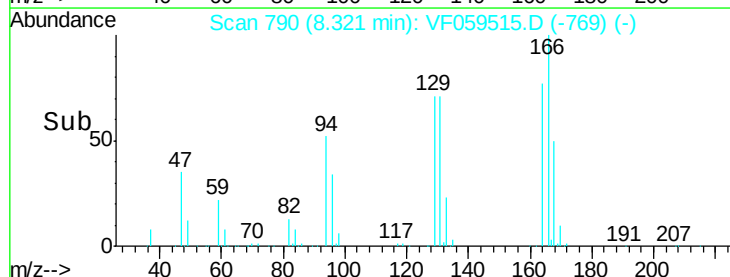
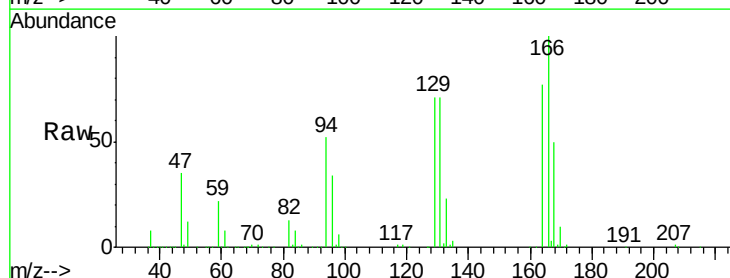
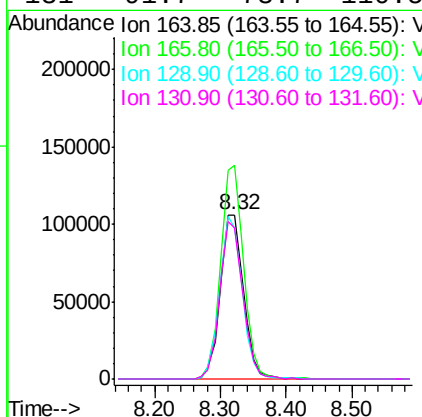
Manual Integrations
APPROVED

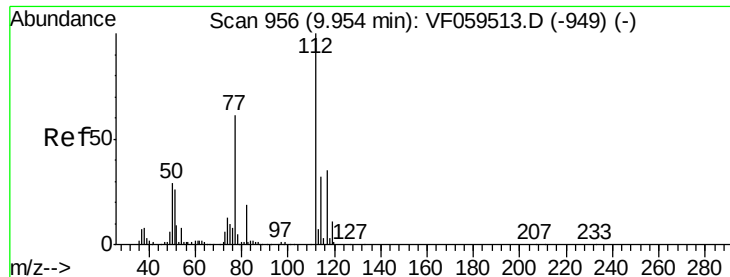
apatel
7/18/2018 3:16:17 PM



#64
Tetrachloroethene
Concen: 88.11 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	262727		
166	129.9		102.3	153.5
129	91.9		72.4	108.6
131	91.7		73.7	110.5





#65

Chlorobenzene

Concen: 93.20 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 663040

Ion Ratio Lower Upper

112 100

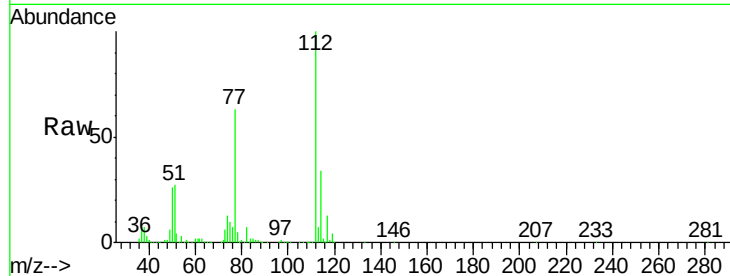
114 34.0 25.4 38.2

Manual Integrations

APPROVED

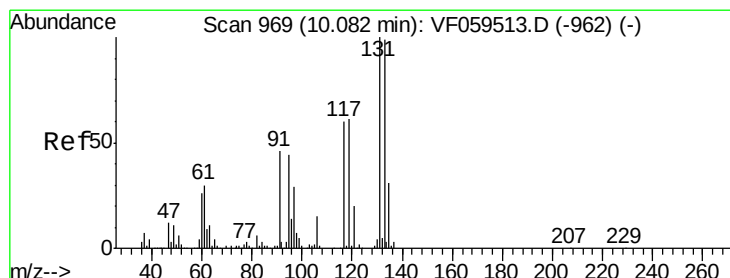
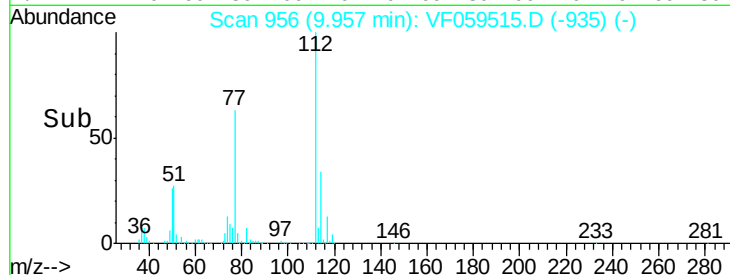
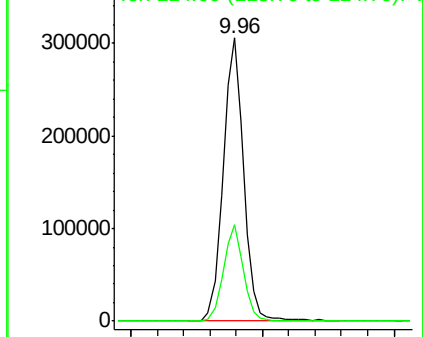
apatel

7/18/2018 3:16:17 PM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 95.74 ug/l

RT: 10.09 min Scan# 969

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

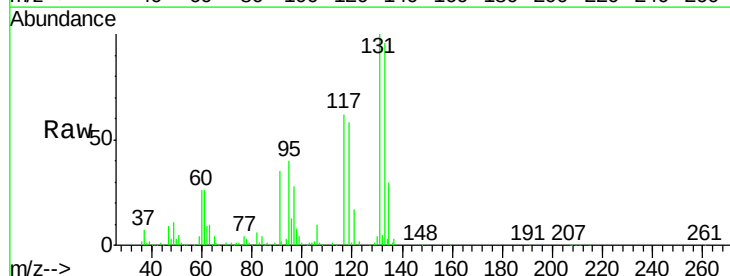
Tgt Ion:131 Resp: 308329

Ion Ratio Lower Upper

131 100

133 96.0 49.6 148.8

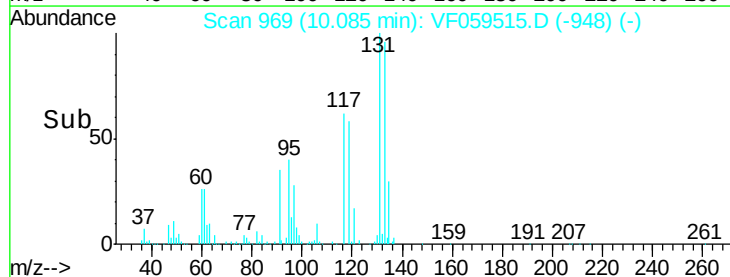
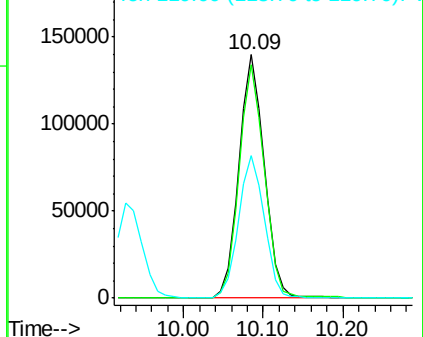
119 58.5 31.4 94.3

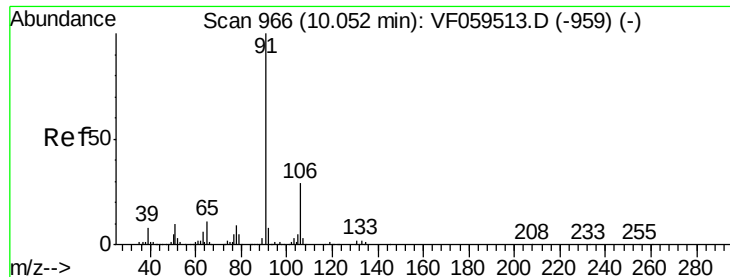


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 91.37 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1159733

Ion Ratio Lower Upper

91 100

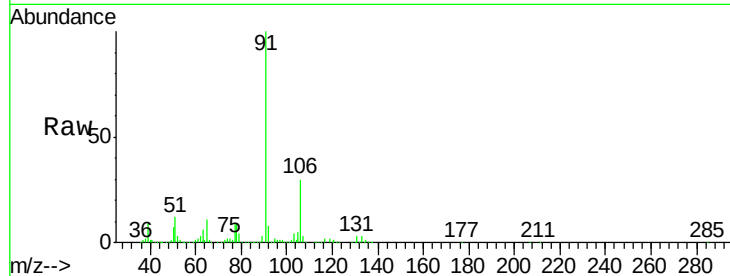
106 29.8 23.4 35.2

Manual Integrations

APPROVED

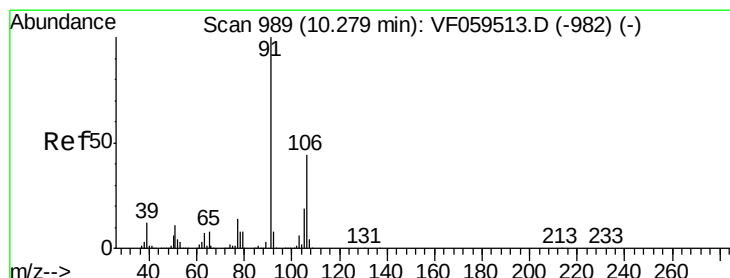
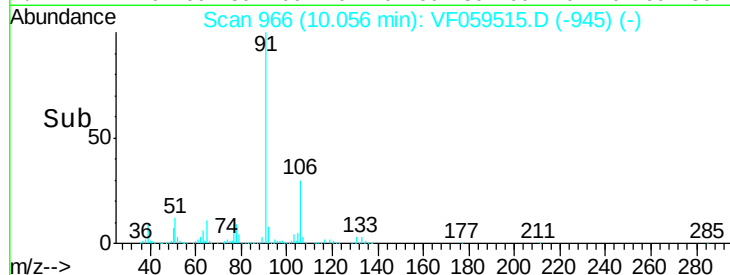
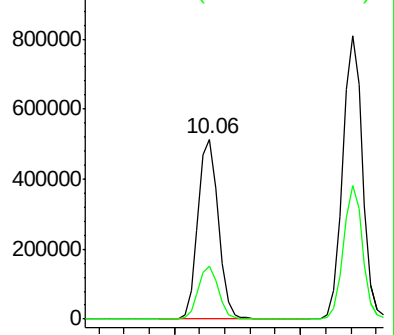
apatel

7/18/2018 3:16:17 PM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 178.33 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059515.D

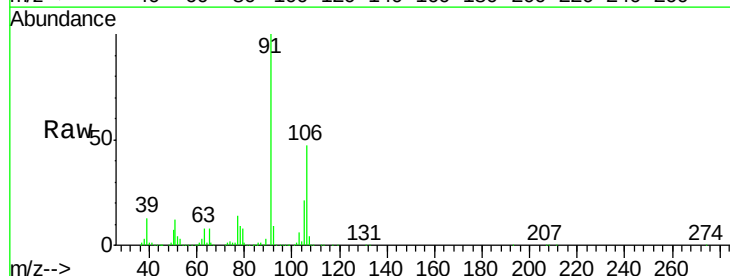
Acq: 17 Jul 2018 18:56

Tgt Ion: 106 Resp: 810710

Ion Ratio Lower Upper

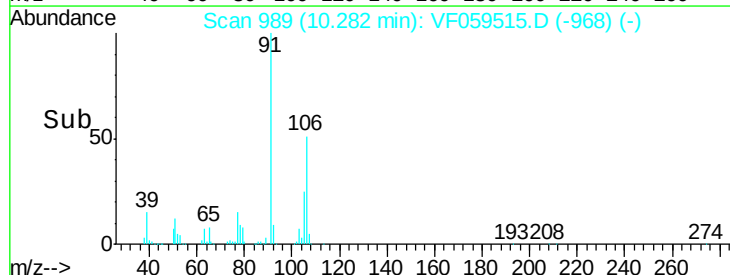
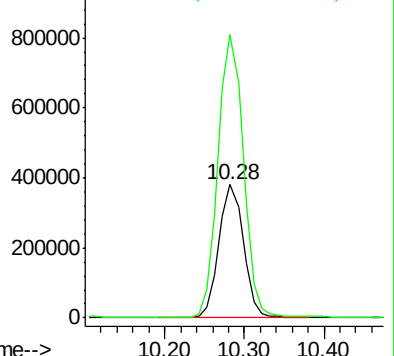
106 100

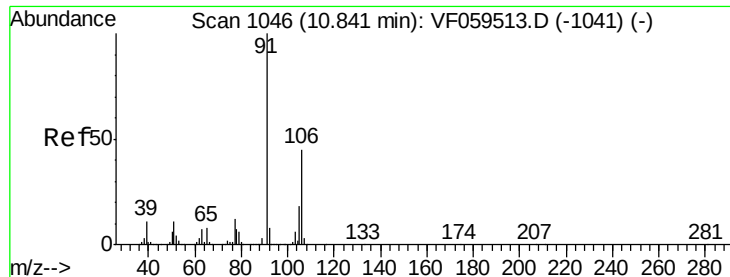
91 212.2 181.0 271.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





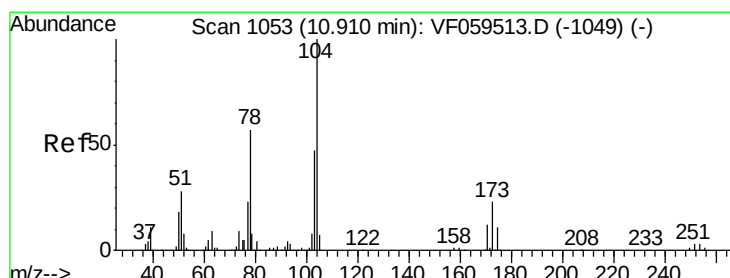
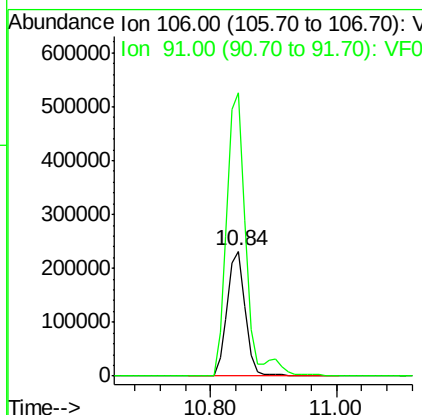
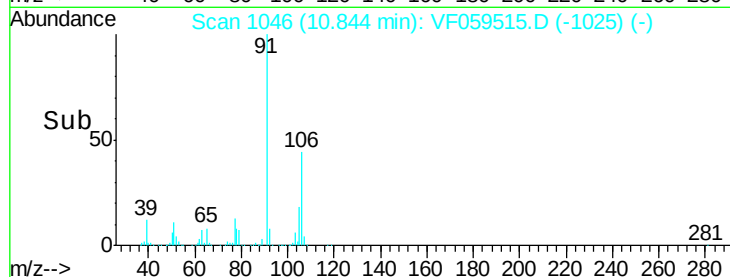
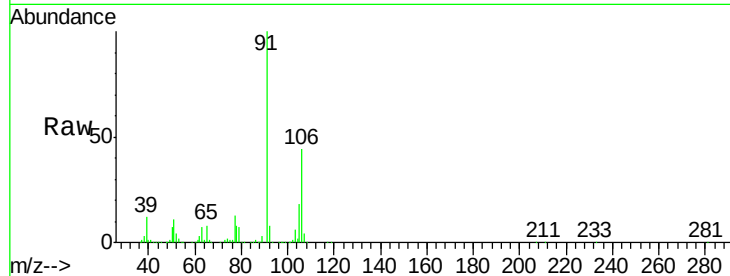
#69
o-Xylene
Concen: 97.72 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 461640
Ion Ratio Lower Upper
106 100
91 226.3 112.3 336.9

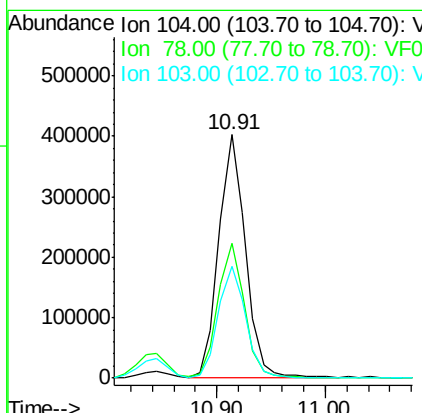
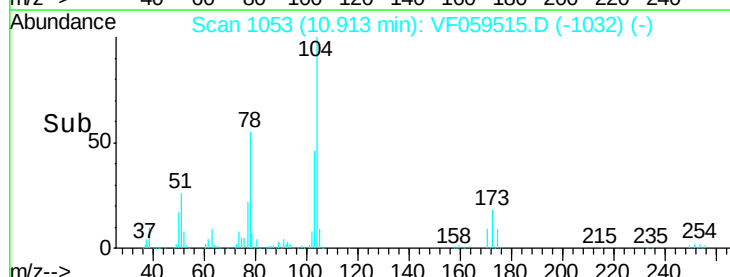
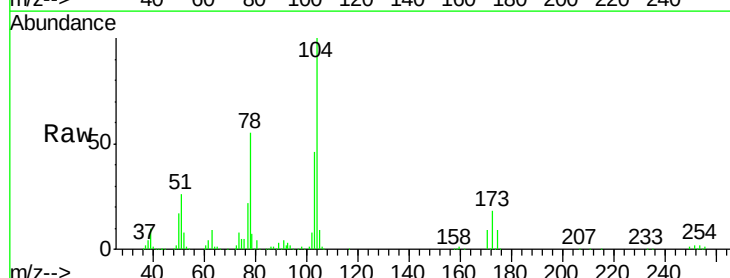
Manual Integrations
APPROVED

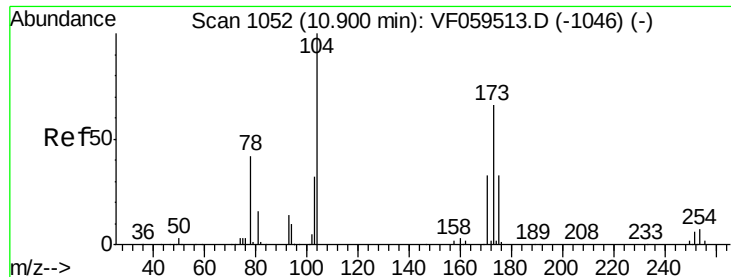
apatel
7/18/2018 3:16:17 PM



#70
Styrene
Concen: 92.33 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion:104 Resp: 690134
Ion Ratio Lower Upper
104 100
78 55.3 45.7 68.5
103 46.0 38.1 57.1





#71

Bromoform

Concen: 96.49 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 226570

Ion Ratio Lower Upper

173 100

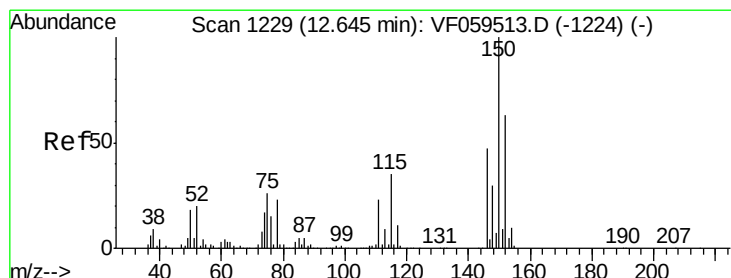
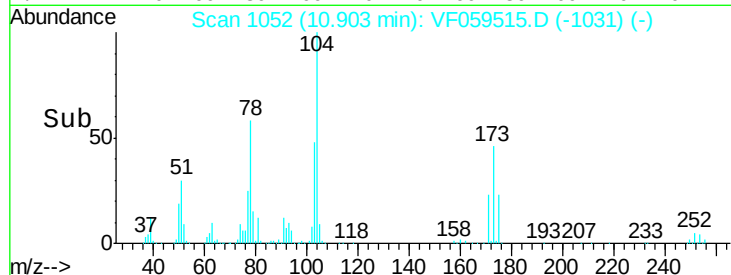
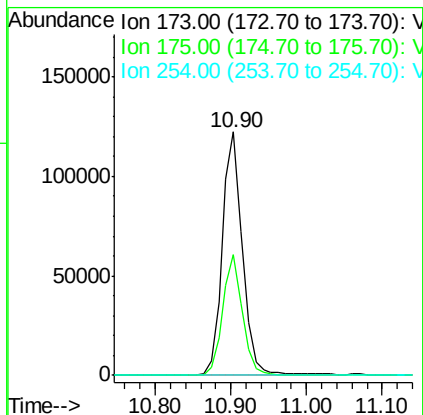
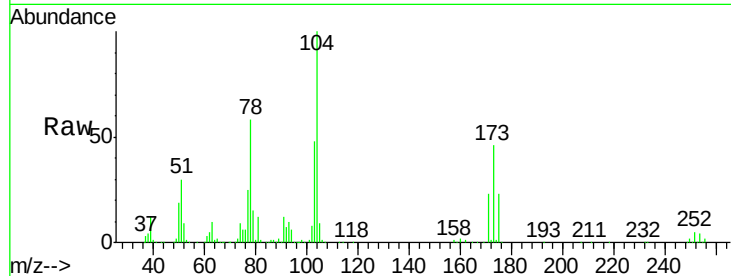
175 49.6 25.3 75.8

254 0.2 0.0 0.0#

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:17 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

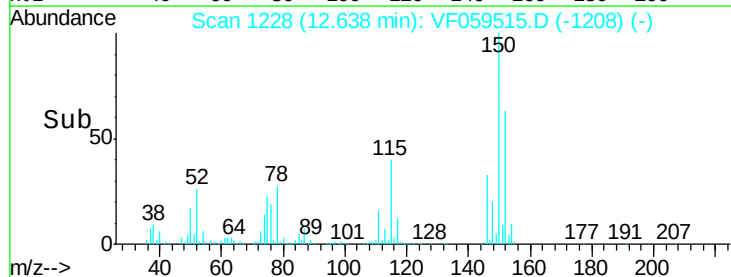
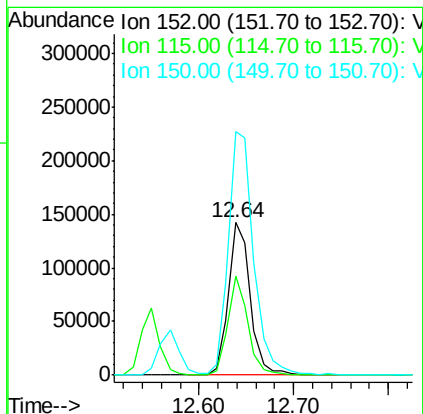
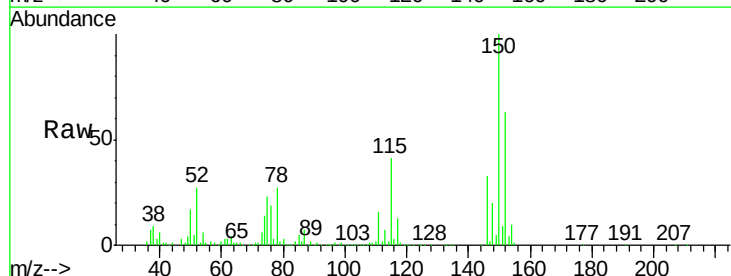
Tgt Ion:152 Resp: 228190

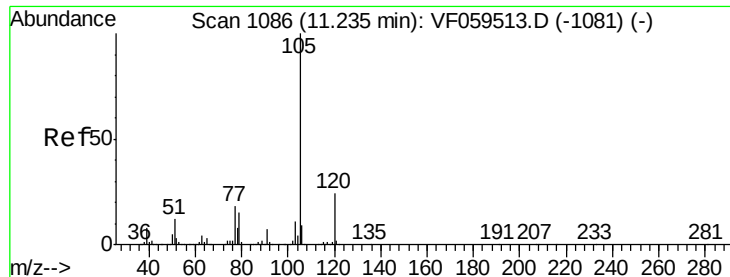
Ion Ratio Lower Upper

152 100

115 64.6 27.8 83.3

150 159.5 0.0 318.4





#73

Isopropylbenzene

Concen: 89.09 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1296883

Ion Ratio Lower Upper

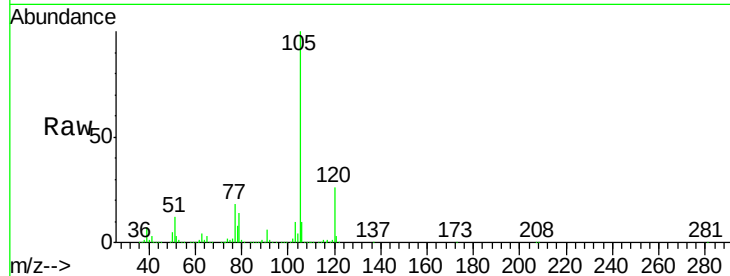
105 100

120 26.2 12.0 36.0

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

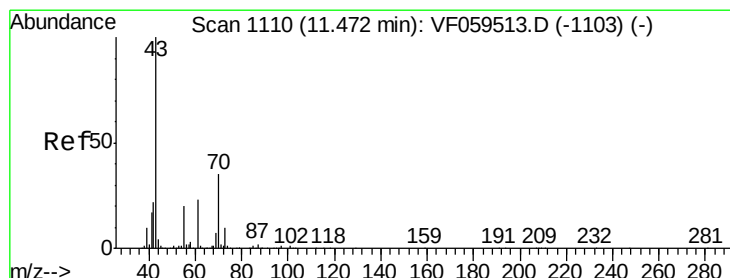
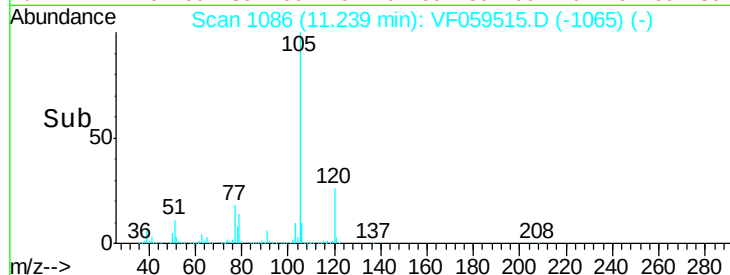
400000

200000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 83.63 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion: 43 Resp: 432037

Ion Ratio Lower Upper

43 100

70 34.4 27.9 41.9

55 20.4 16.2 24.2

61 24.2 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

400000

300000

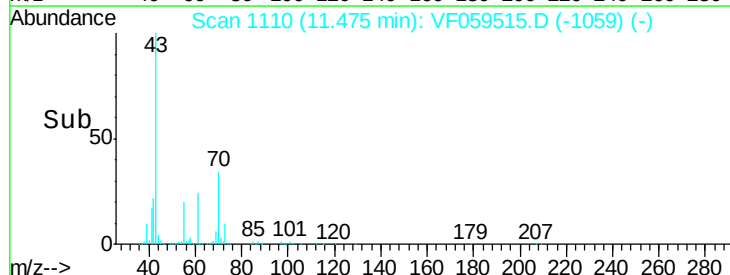
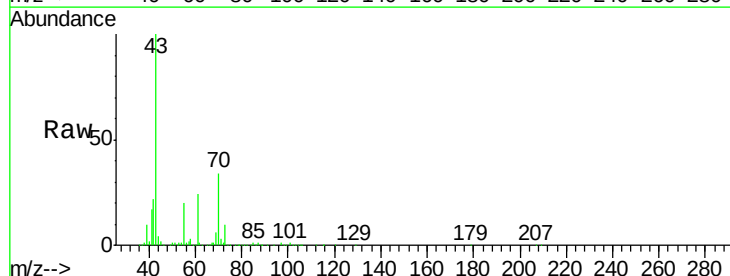
200000

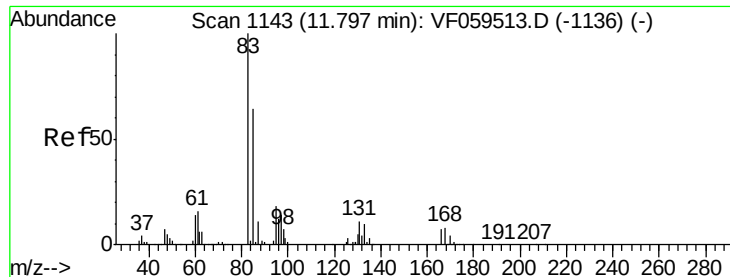
100000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 87.05 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 277872

Ion Ratio Lower Upper

83 100

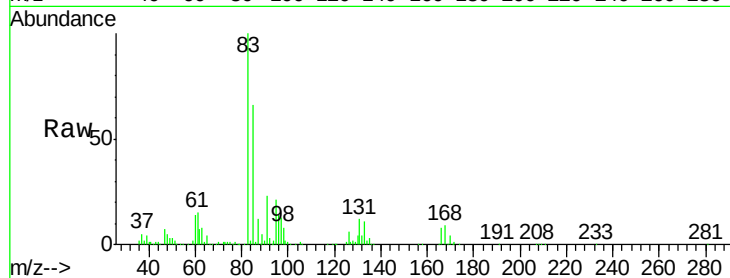
131 12.5 5.7 17.1

85 66.2 31.9 95.9

Manual Integrations
APPROVED

apatel

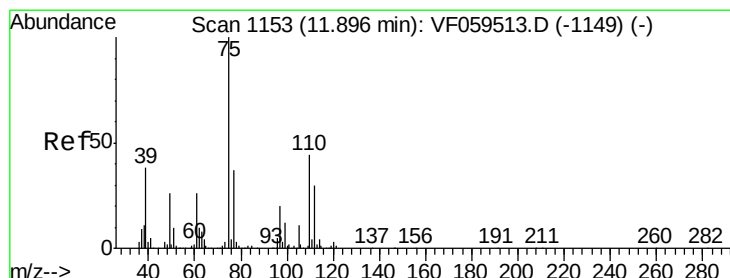
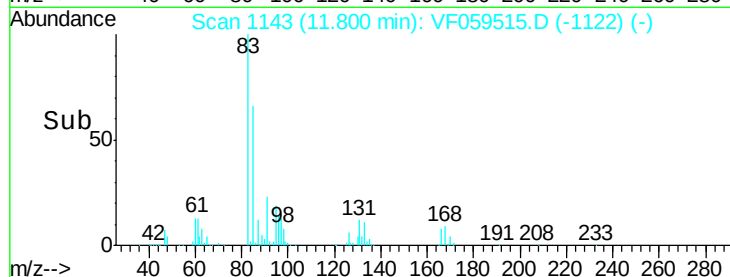
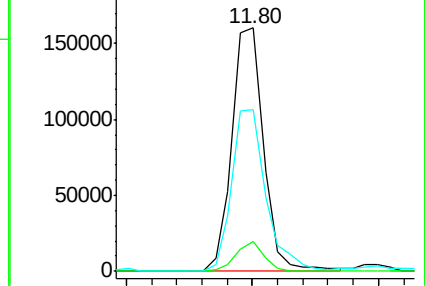
7/18/2018 3:16:17 PM



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: 88.76 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059515.D

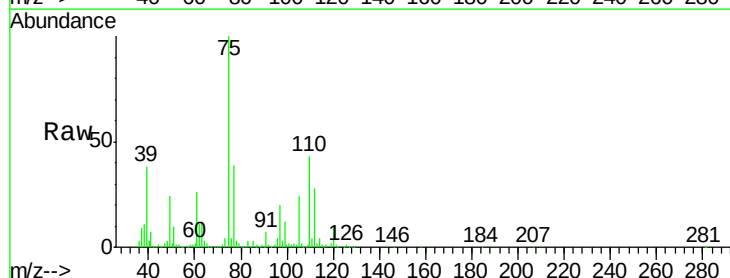
Acq: 17 Jul 2018 18:56

Tgt Ion: 75 Resp: 233603

Ion Ratio Lower Upper

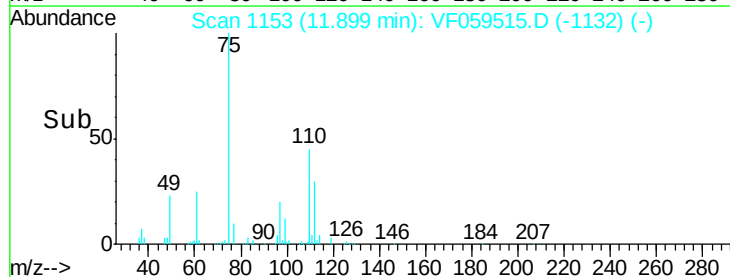
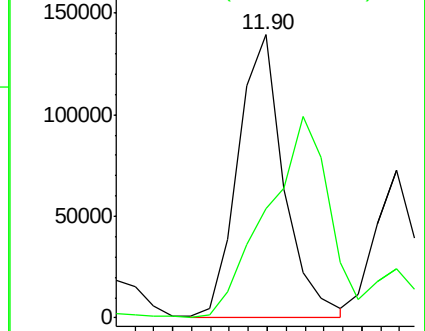
75 100

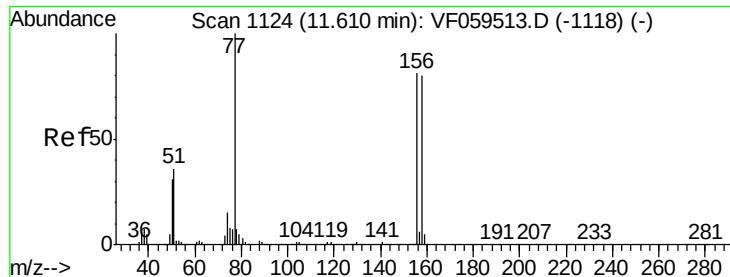
77 38.7 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 85.79 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

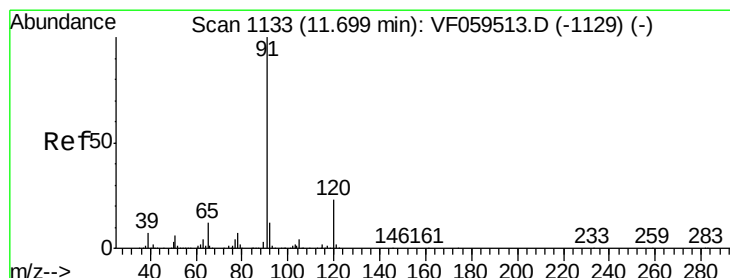
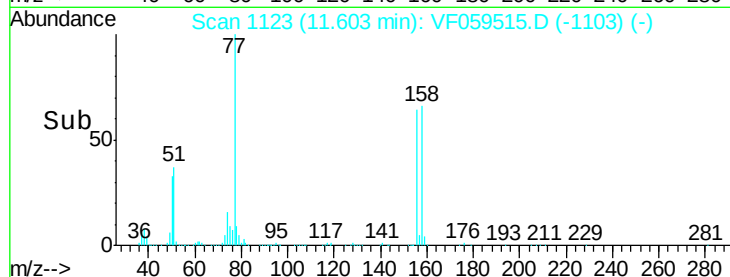
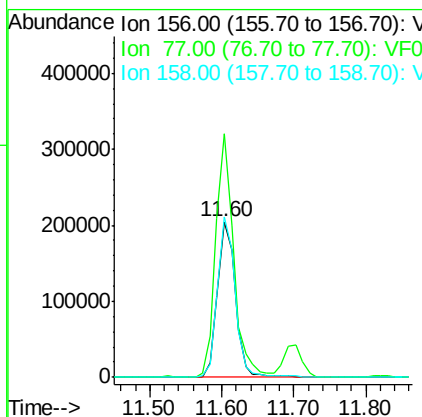
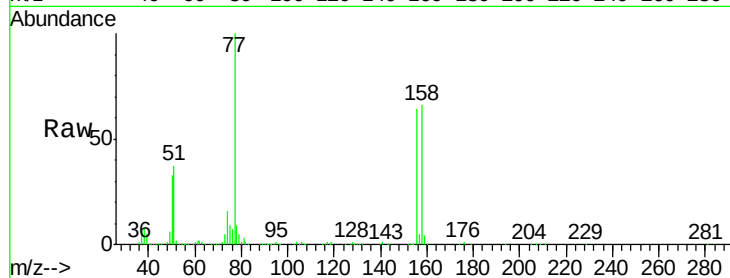
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	156.7	62.0	186.0	
158	103.5	49.8	149.3	

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#78

n-propylbenzene

Concen: 87.40 ug/l

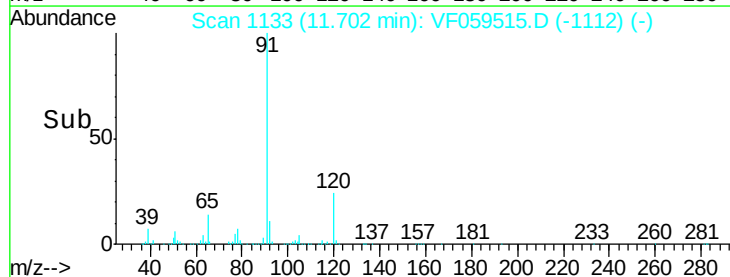
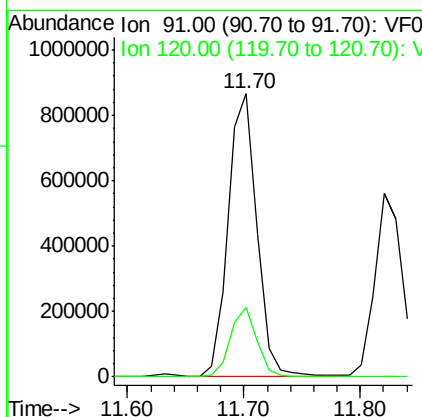
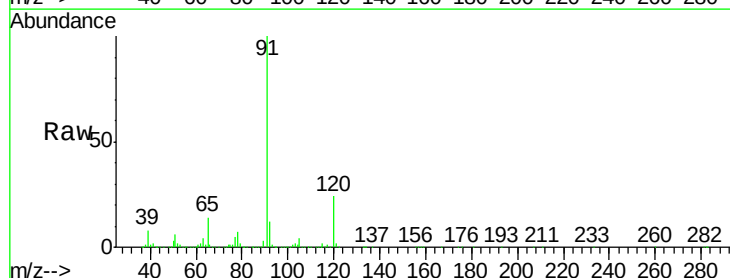
RT: 11.70 min Scan# 1133

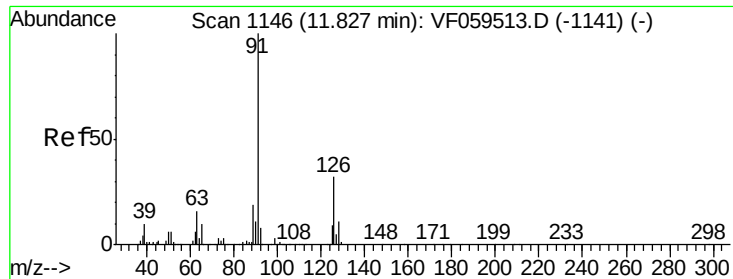
Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.5	11.3	33.9	





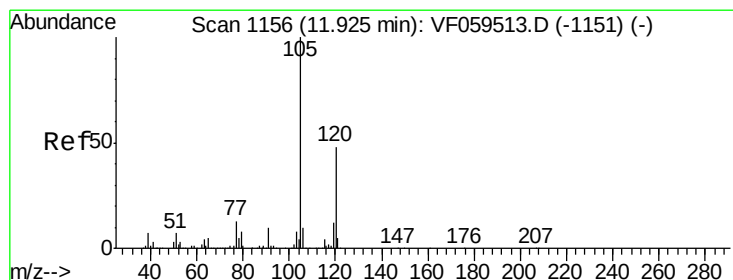
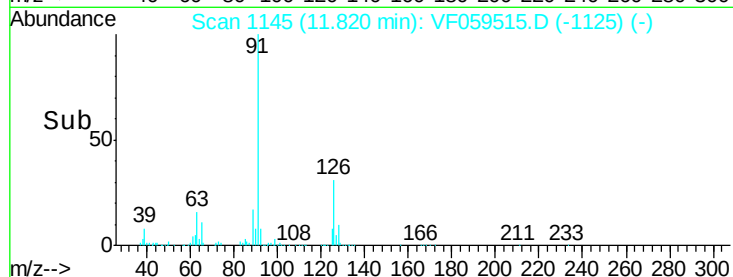
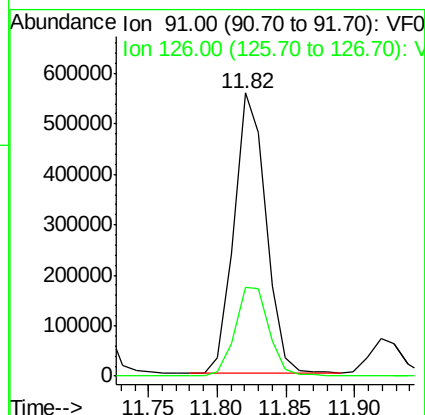
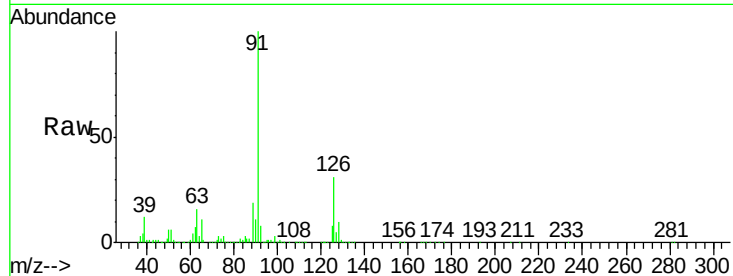
#79
 2-Chlorotoluene
 Concen: 88.45 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 900895
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1

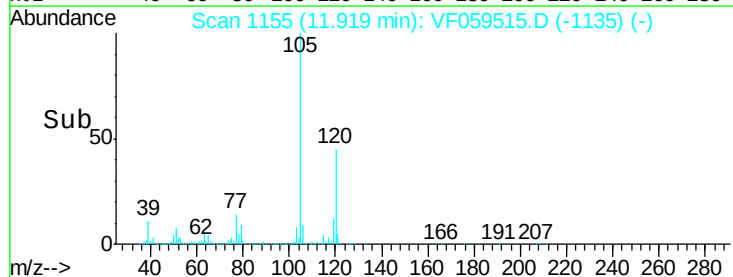
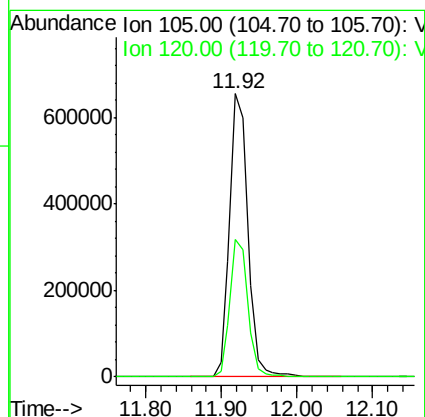
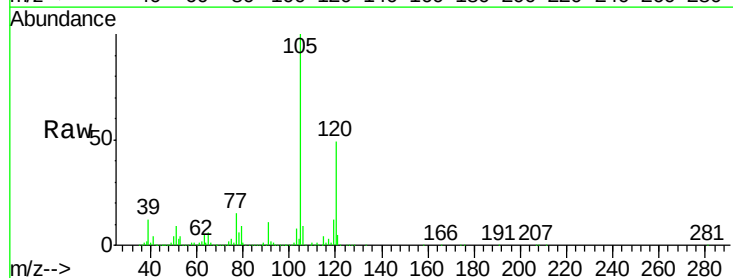
Manual Integrations
 APPROVED

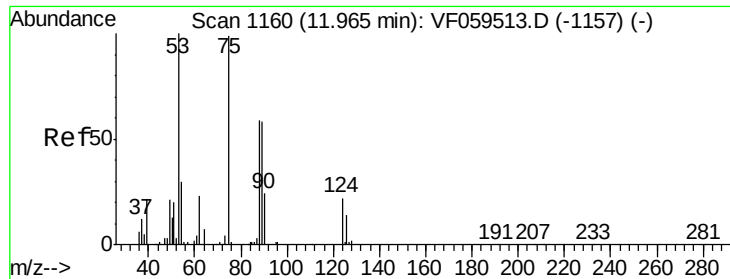
apatel
 7/18/2018 3:16:17 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 87.73 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Tgt Ion:105 Resp: 1097921
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 90.61 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 113070

Ion Ratio Lower Upper

75 100

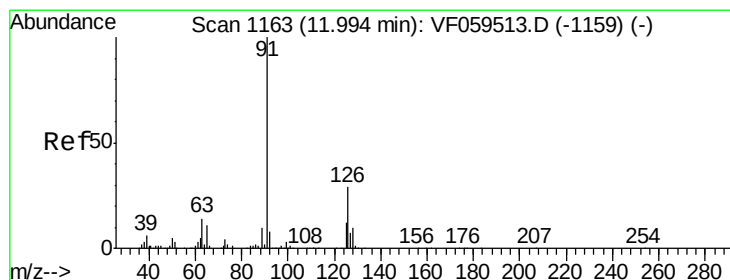
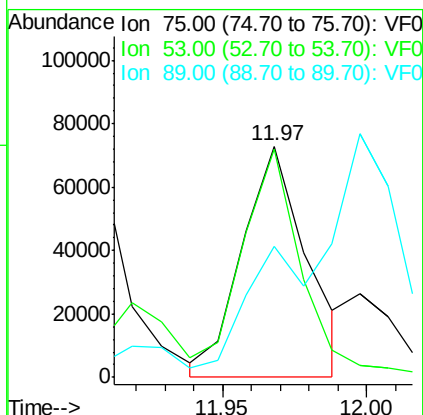
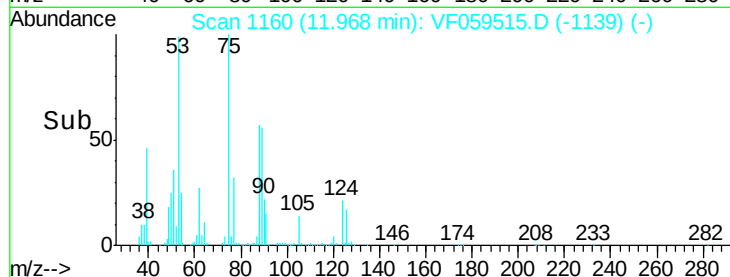
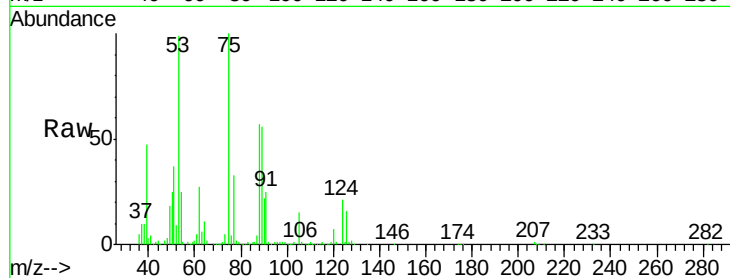
53 98.7 84.6 127.0

89 56.4 48.2 72.4

Manual Integrations
APPROVED

apatel

7/18/2018 3:16:17 PM



#82

4-Chlorotoluene

Concen: 85.79 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059515.D

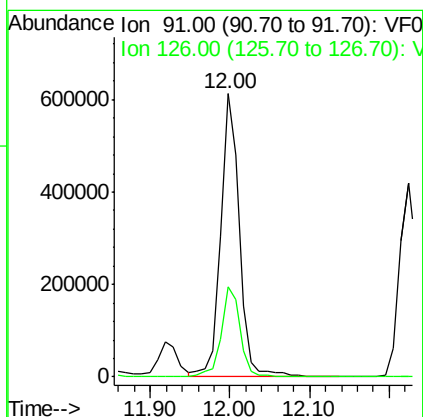
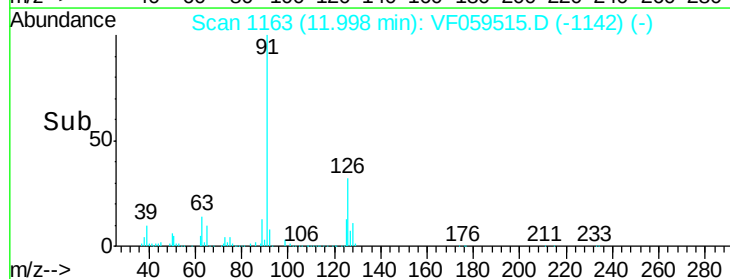
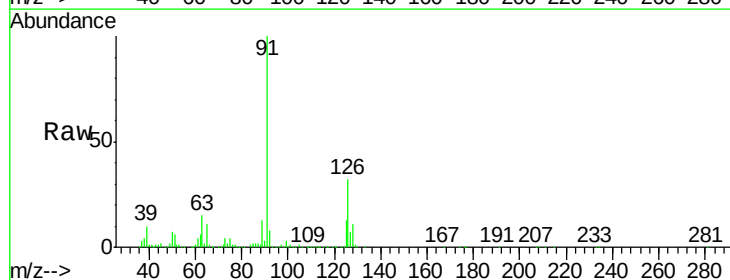
Acq: 17 Jul 2018 18:56

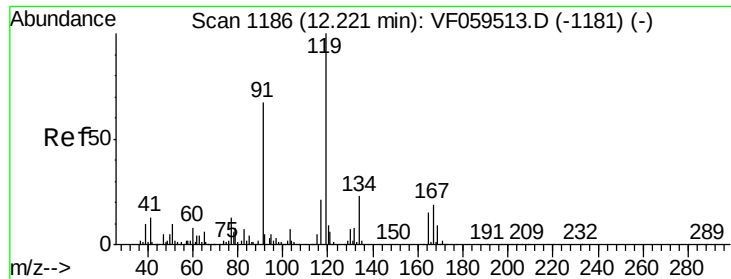
Tgt Ion: 91 Resp: 1012428

Ion Ratio Lower Upper

91 100

126 31.8 14.4 43.4





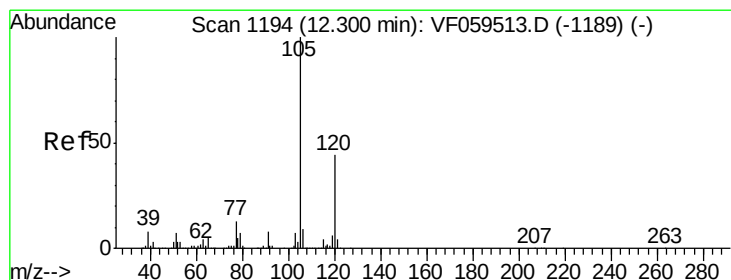
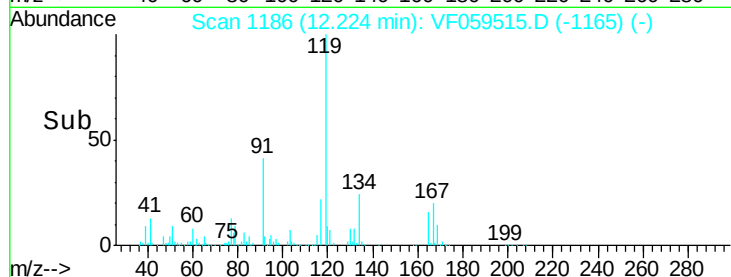
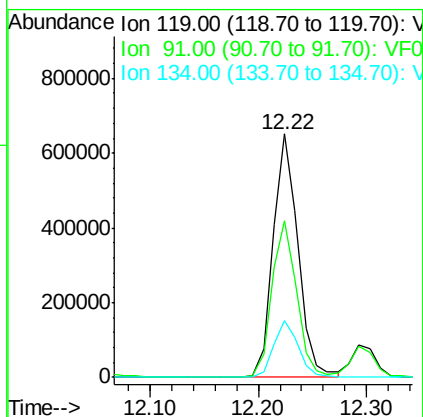
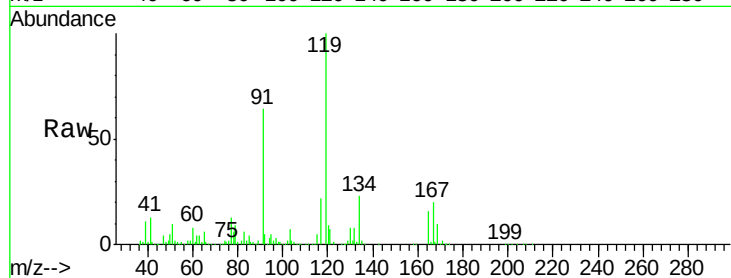
#83
 tert-Butylbenzene
 Concen: 89.94 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1053584
 Ion Ratio Lower Upper
 119 100
 91 64.2 33.5 100.5
 134 23.5 11.3 33.8

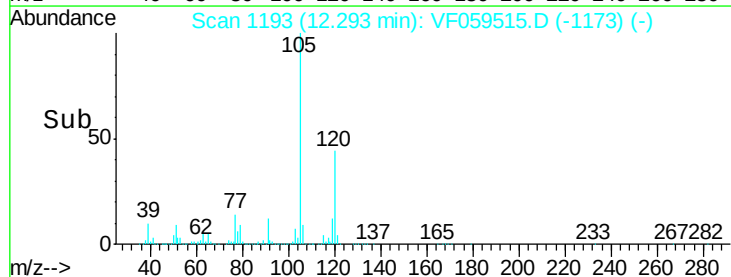
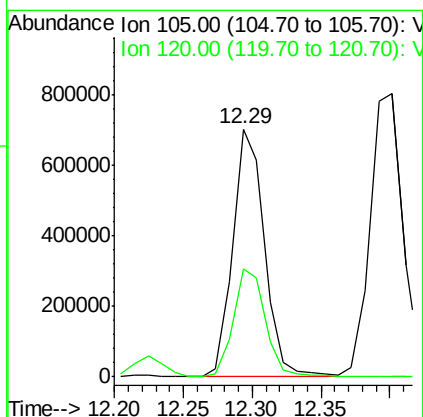
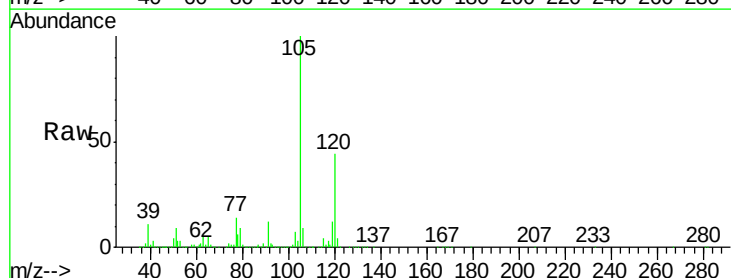
Manual Integrations
 APPROVED

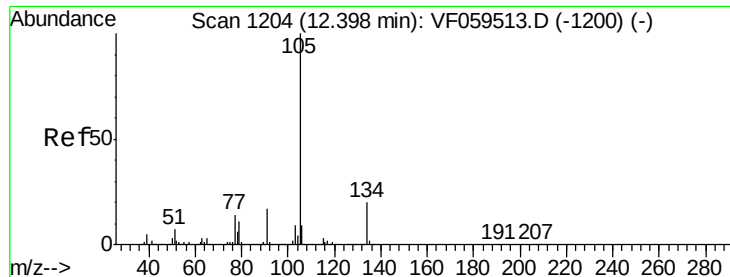
apatel
 7/18/2018 3:16:17 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 89.98 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Tgt Ion:105 Resp: 1124991
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.5 67.5





#85

sec-Butylbenzene

Concen: 91.28 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1350660

Ion Ratio Lower Upper

105 100

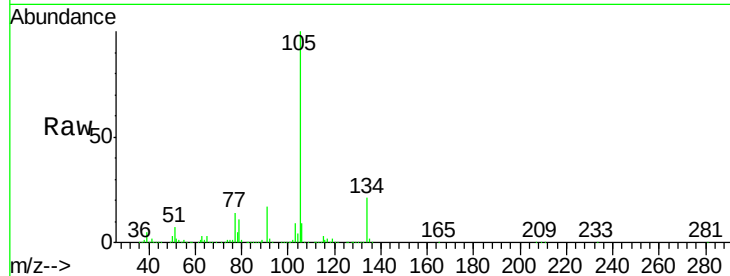
134 21.3 10.1 30.1

Manual Integrations

APPROVED

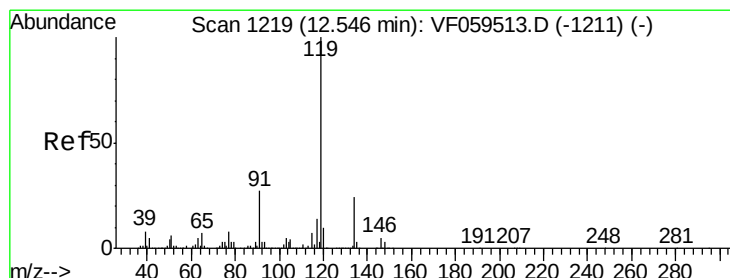
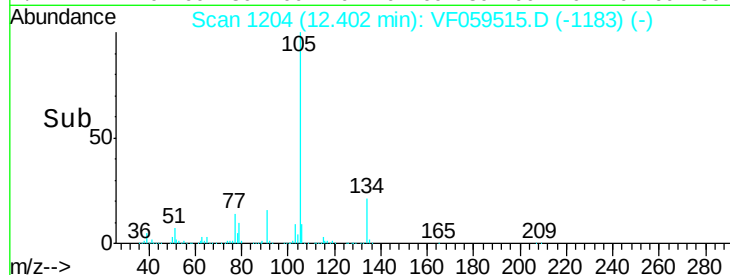
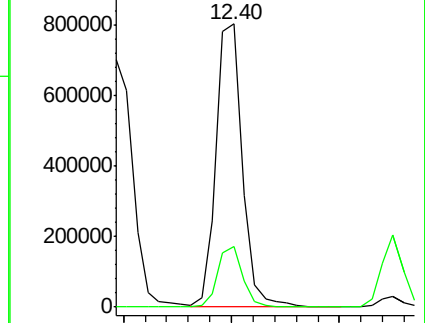
apatel

7/18/2018 3:16:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 86.81 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059515.D

Acq: 17 Jul 2018 18:56

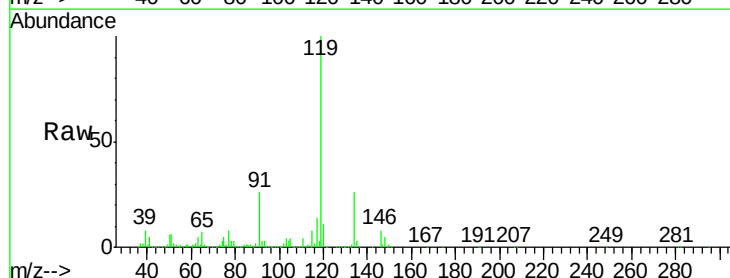
Tgt Ion:119 Resp: 1136178

Ion Ratio Lower Upper

119 100

134 26.2 12.0 36.0

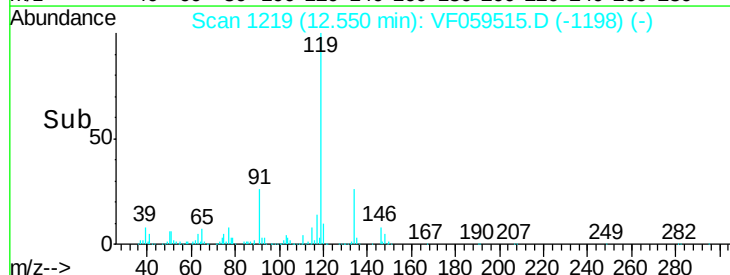
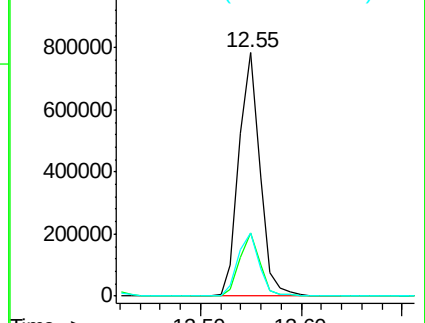
91 26.1 13.5 40.4

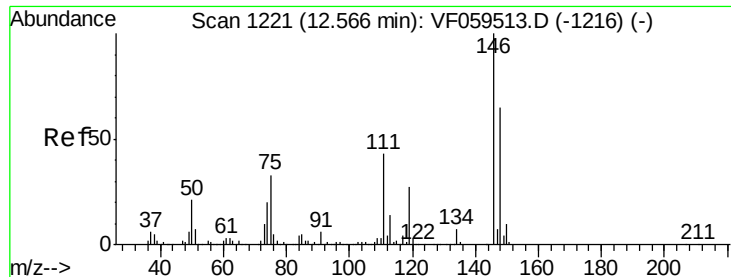


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





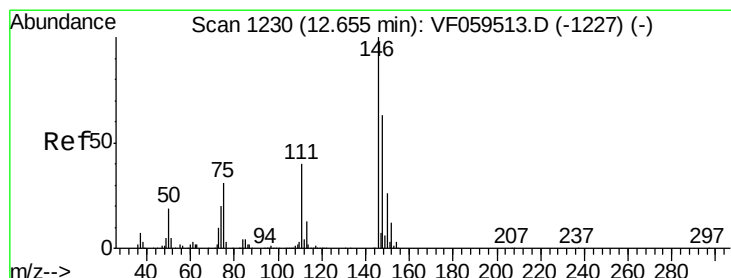
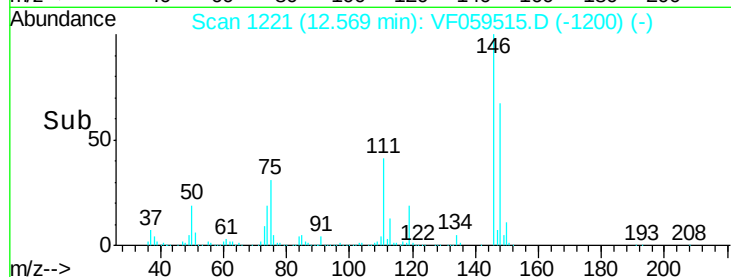
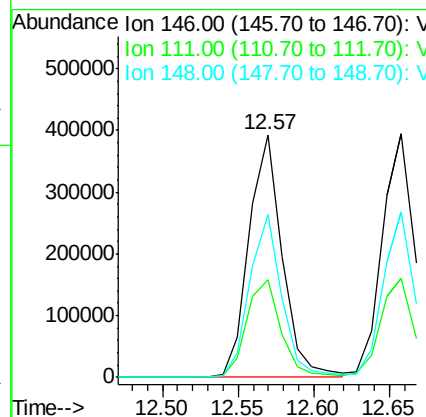
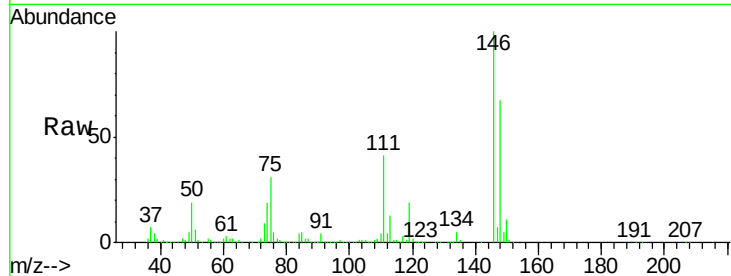
#87
 1,3-Dichlorobenzene
 Concen: 86.32 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.4	64.3
148	67.5	32.7	98.1

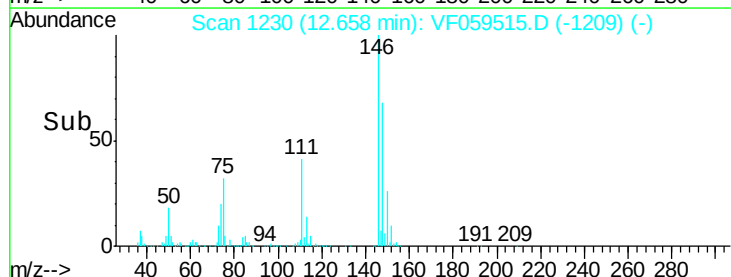
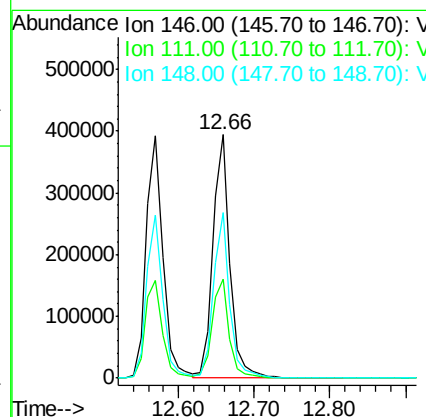
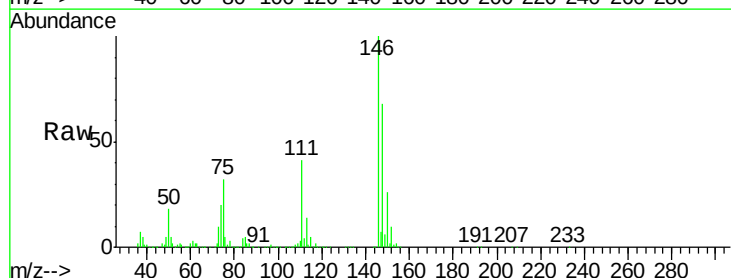
Manual Integrations
 APPROVED

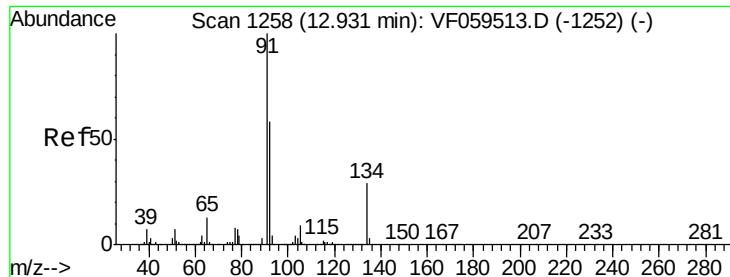
apatel
 7/18/2018 3:16:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 91.30 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	59.9
148	67.8	31.5	94.5





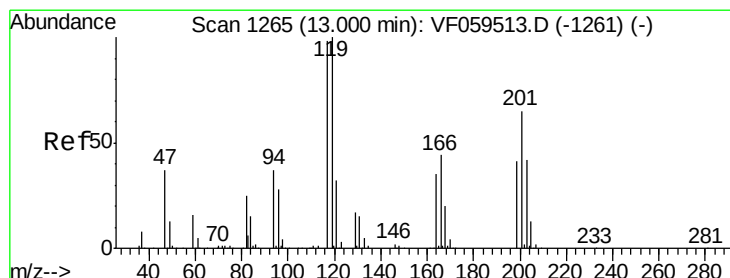
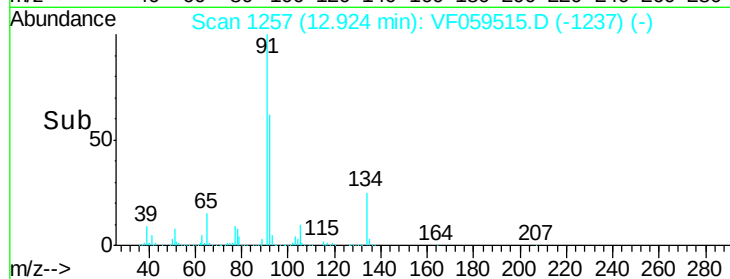
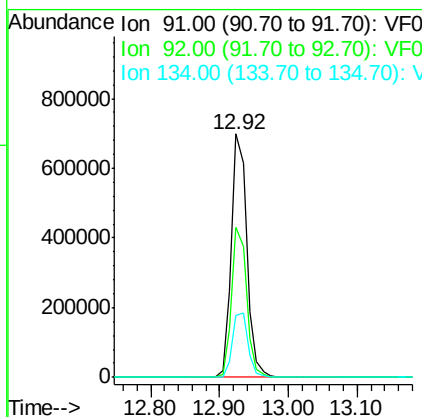
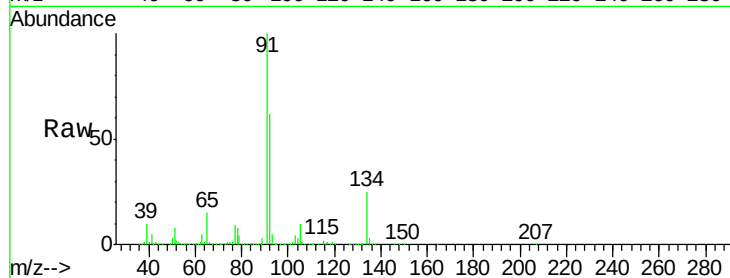
#89
n-Butylbenzene
Concen: 90.54 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.6	29.1	87.3
134	25.4	14.3	42.9

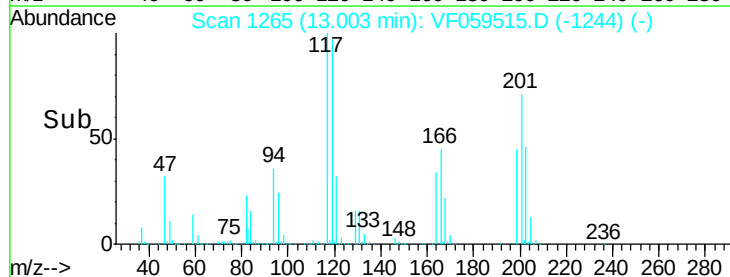
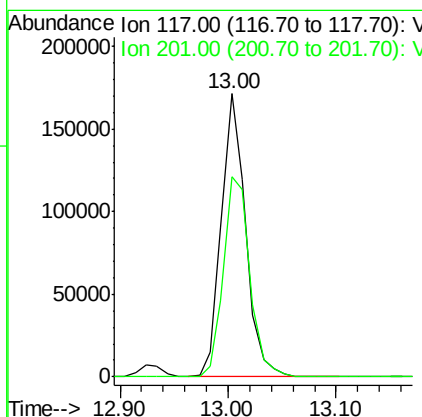
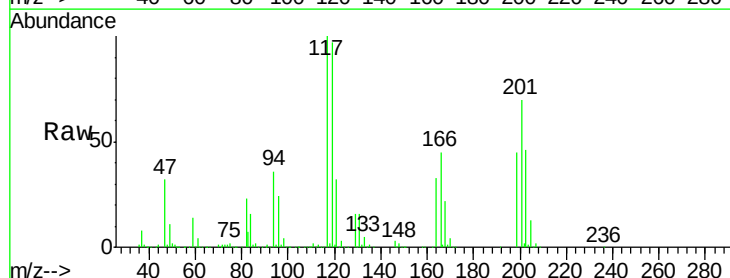
Manual Integrations
APPROVED

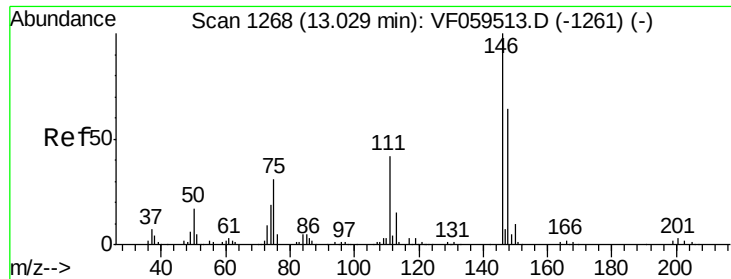
apatel
7/18/2018 3:16:17 PM



#90
Hexachloroethane
Concen: 90.54 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	32.6	98.0





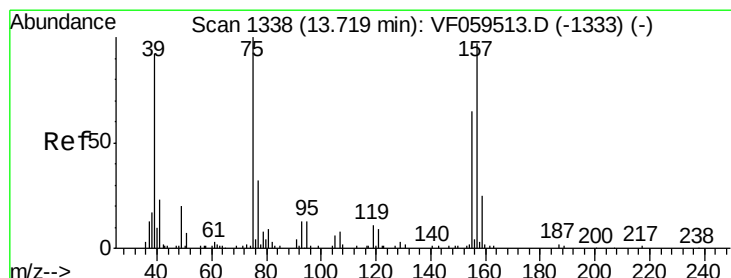
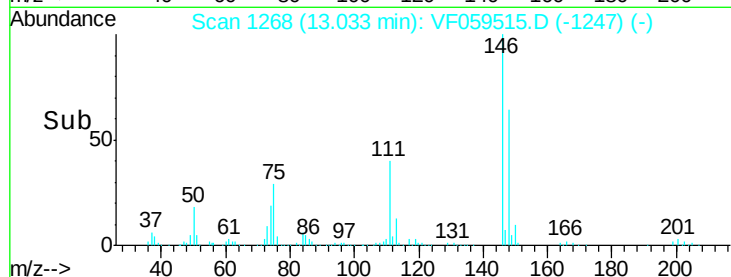
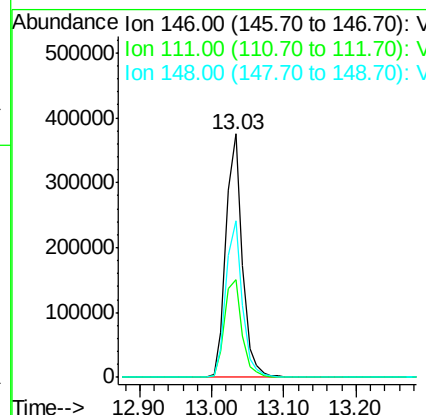
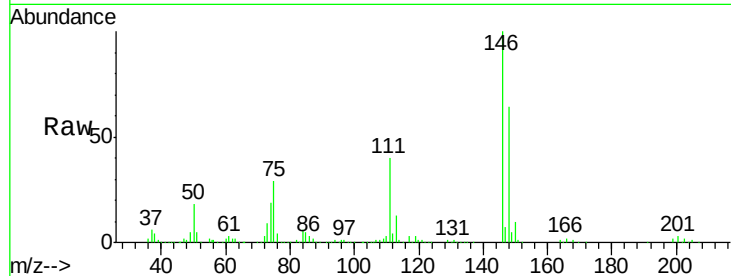
#91
 1,2-Dichlorobenzene
 Concen: 89.15 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	583705		
111	40.1		21.1	63.1
148	64.3		32.3	96.8

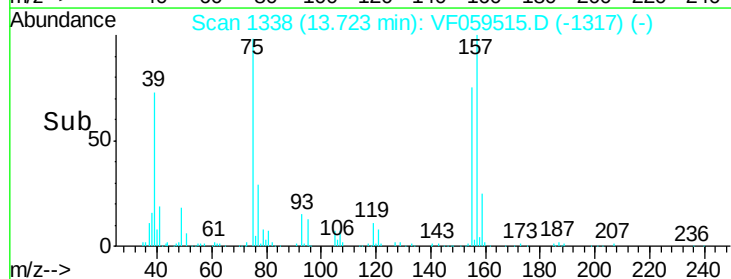
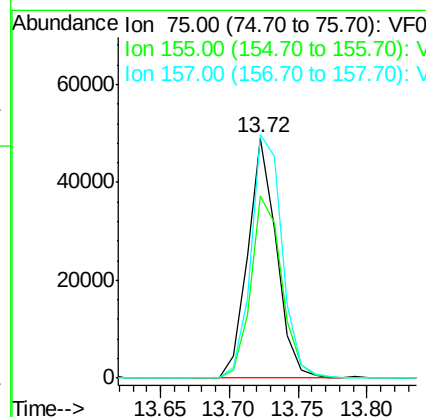
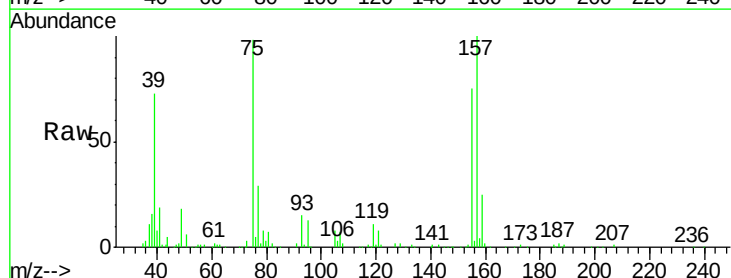
Manual Integrations
 APPROVED

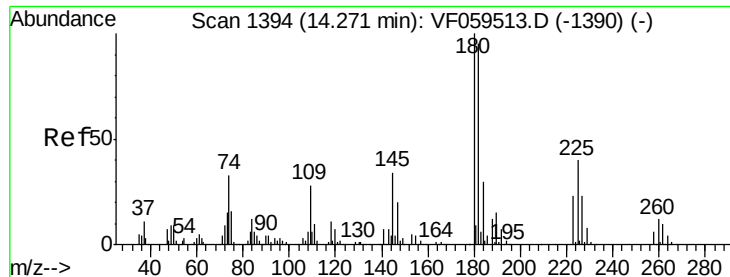
apatel
 7/18/2018 3:16:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.85 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71472		
155	76.0		32.8	98.3
157	101.5		48.5	145.5





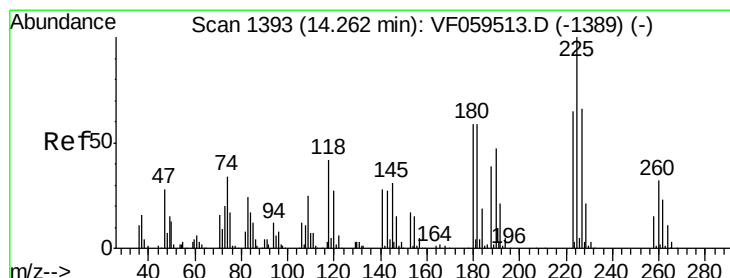
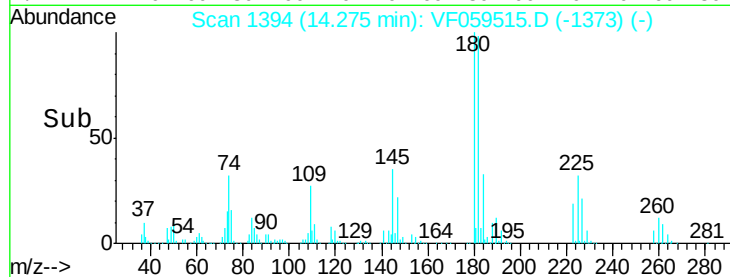
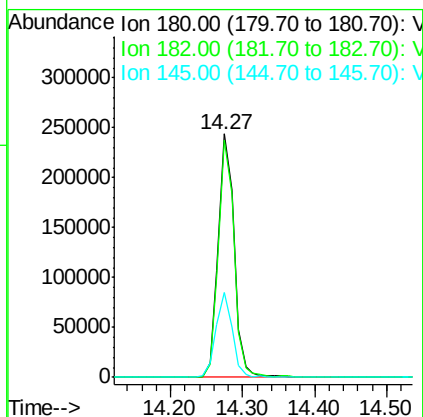
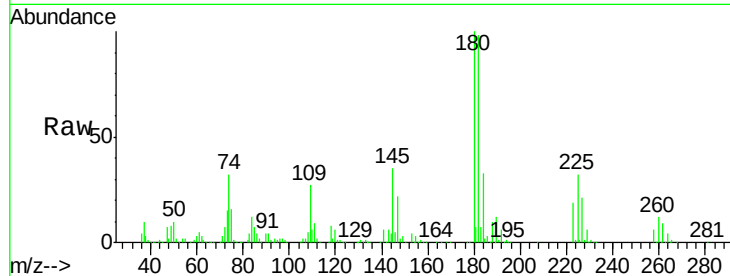
#93
 1,2,4-Trichlorobenzene
 Concen: 90.62 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.5	142.5
145	34.7	17.3	51.7

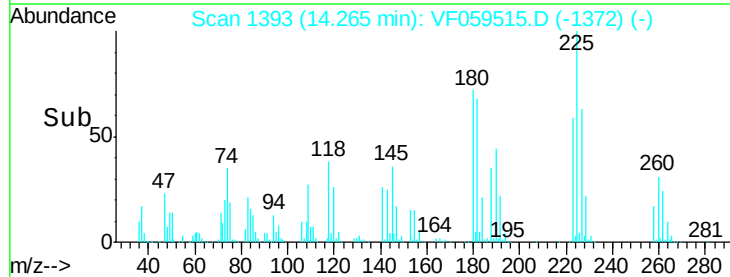
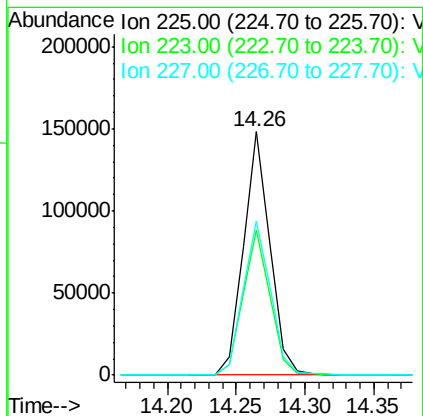
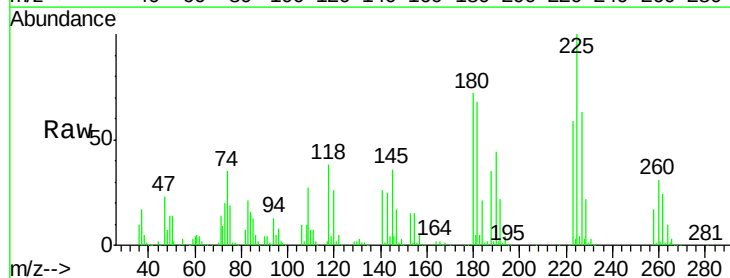
Manual Integrations
 APPROVED

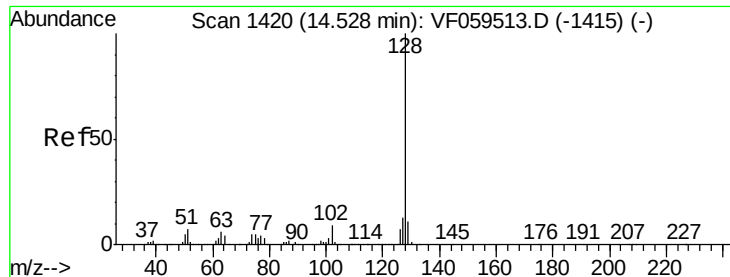
apatel
 7/18/2018 3:16:17 PM



#94
 Hexachlorobutadiene
 Concen: 109.43 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059515.D
 Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.3	32.3	96.8
227	63.3	33.2	99.6





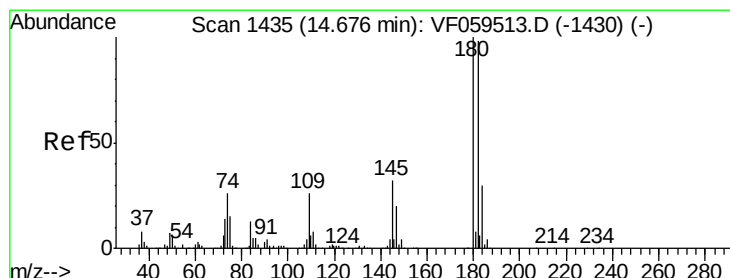
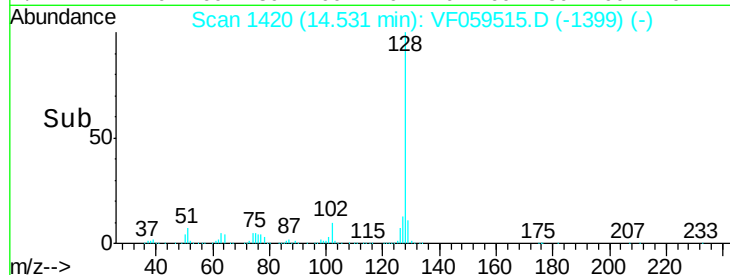
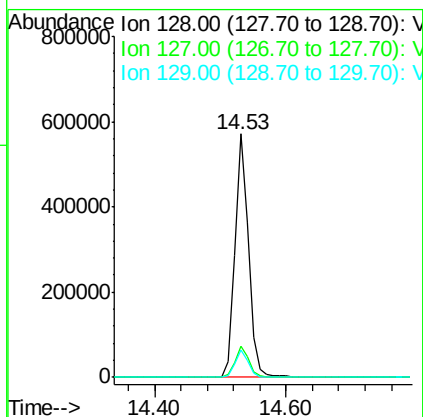
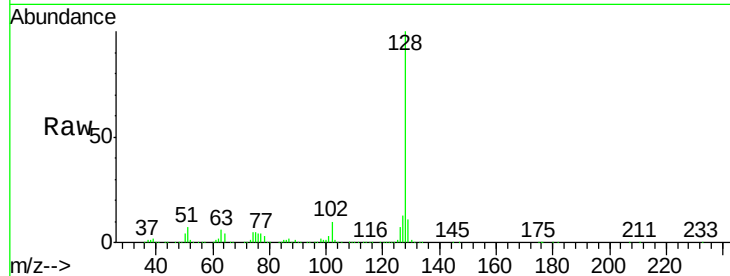
#95
Naphthalene
Concen: 95.57 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	832673		
127	12.6		10.2	15.2
129	11.3		9.0	13.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:16:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 98.29 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059515.D
Acq: 17 Jul 2018 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	351055		
182	96.2		48.8	146.4
145	30.0		16.2	48.6

