

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059510.D
 Acq On : 17 Jul 2018 16:38
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:15:57 PM

Quant Time: Jul 18 01:53:07 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	5.05	168	285488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	426945	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	404222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	237648	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	24237	5.62	ug/l	0.00
Spiked Amount			Recovery	=	11.24%	
35) Dibromofluoromethane	4.31	113	19415	5.24	ug/l	0.00
Spiked Amount			Recovery	=	10.48%	
50) Toluene-d8	7.72	98	50076	5.46	ug/l	0.00
Spiked Amount			Recovery	=	10.92%	
62) 4-Bromofluorobenzene	11.51	95	25340	5.20	ug/l	0.00
Spiked Amount			Recovery	=	10.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	20427	6.29	ug/l	86
3) Chloromethane	1.08	50	11946	6.52	ug/l	92
4) Vinyl Chloride	1.15	62	10283	5.39	ug/l	99
5) Bromomethane	1.34	94	7627	5.74	ug/l #	80
6) Chloroethane	1.44	64	4862	4.87	ug/l #	42
7) Trichlorofluoromethane	1.52	101	25236	5.76	ug/l	90
8) Diethyl Ether	1.71	74	5066	5.77	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	10996	5.29	ug/l #	78
10) Methyl Iodide	1.96	142	16994	4.85	ug/l	88
11) Tert butyl alcohol	2.69	59	6691	33.48	ug/l #	90
12) 1,1-Dichloroethene	1.88	96	12344	6.14	ug/l #	67
13) Acrolein	2.09	56	3845	34.43	ug/l	85
14) Allyl chloride	2.19	41	15603	5.92	ug/l #	97
15) Acrylonitrile	3.09	53	10466	28.38	ug/l	87
16) Acetone	2.34	43	22985m	31.40	ug/l	
17) Carbon Disulfide	1.89	76	29261	5.37	ug/l #	85
18) Methyl Acetate	2.45	43	11150	7.42	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	36072	5.49	ug/l #	92
20) Methylene Chloride	2.32	84	19136	7.30	ug/l #	81
21) trans-1,2-Dichloroethene	2.41	96	9934	5.43	ug/l	86
22) Diisopropyl ether	2.94	45	37298	4.94	ug/l #	98
23) Vinyl Acetate	3.34	43	109031	24.84	ug/l	99
24) 1,1-Dichloroethane	3.01	63	24379	5.68	ug/l	99
25) 2-Butanone	4.52	43	29738	27.95	ug/l #	88
26) 2,2-Dichloropropane	3.77	77	18639	6.48	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	11057	4.42	ug/l	94
28) Bromochloromethane	3.89	49	11124	5.59	ug/l	100
29) Tetrahydrofuran	4.27	42	14827	32.44	ug/l	91
30) Chloroform	4.04	83	35025	5.44	ug/l	98
31) Cyclohexane	3.86	56	10632	4.39	ug/l #	84
32) 1,1,1-Trichloroethane	4.28	97	21841	4.89	ug/l #	86
36) 1,1-Dichloropropene	4.47	75	22290	5.13	ug/l #	93
37) Ethyl Acetate	4.30	43	13865	5.21	ug/l #	61
38) Carbon Tetrachloride	4.18	117	25025	4.96	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059510.D
 Acq On : 17 Jul 2018 16:38
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:15:57 PM

Quant Time: Jul 18 01:53:07 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	15367	4.69	ug/l	89
40) Benzene	4.82	78	42558	5.04	ug/l	94
41) Methacrylonitrile	4.94	41	6990	5.45	ug/l #	85
42) 1,2-Dichloroethane	5.13	62	26870	4.97	ug/l	96
43) Isopropyl Acetate	7.13	43	15835	4.97	ug/l #	99
44) Trichloroethene	5.68	130	16096	5.29	ug/l	96
45) 1,2-Dichloropropane	6.41	63	11237	4.69	ug/l	91
46) Dibromomethane	6.26	93	10830	5.06	ug/l	85
47) Bromodichloromethane	6.56	83	25863	4.73	ug/l	97
48) Methyl methacrylate	6.89	41	11676	5.08	ug/l	95
49) 1,4-Dioxane	6.89	88	705	67.86	ug/l #	40
51) 4-Methyl-2-Pentanone	8.42	43	59044	26.41	ug/l	97
52) Toluene	7.79	92	31381	5.17	ug/l	84
53) t-1,3-Dichloropropene	8.44	75	24935	5.16	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	23958	4.78	ug/l #	84
55) 1,1,2-Trichloroethane	8.64	97	11058	4.57	ug/l	95
56) Ethyl methacrylate	8.77	69	14025	4.60	ug/l	88
57) 1,3-Dichloropropane	9.02	76	20493	4.98	ug/l	88
58) 2-Chloroethyl Vinyl ether	7.79	63	7057	27.73	ug/l	100
59) 2-Hexanone	9.65	43	41881	23.88	ug/l	99
60) Dibromochloromethane	8.87	129	19555	4.98	ug/l	90
61) 1,2-Dibromoethane	9.15	107	14970	5.11	ug/l	97
64) Tetrachloroethene	8.31	164	16248	5.10	ug/l	94
65) Chlorobenzene	9.96	112	38636	5.08	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	18254	5.30	ug/l	86
67) Ethyl Benzene	10.05	91	72317	5.33	ug/l	100
68) m/p-Xylenes	10.28	106	52157	10.73	ug/l	100
69) o-Xylene	10.84	106	24885	4.93	ug/l	85
70) Styrene	10.91	104	42499	5.32	ug/l	98
71) Bromoform	10.90	173	11741	4.68	ug/l	96
73) Isopropylbenzene	11.24	105	78559	5.18	ug/l	100
74) N-amyl acetate	11.47	43	24425	4.54	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.80	83	18621	5.60	ug/l	91
76) 1,2,3-Trichloropropane	11.90	75	14390	5.25	ug/l	98
77) Bromobenzene	11.60	156	22353	5.23	ug/l	96
78) n-propylbenzene	11.70	91	92327	5.26	ug/l	99
79) 2-Chlorotoluene	11.82	91	58909	5.55	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	68816	5.28	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	6767m	5.21	ug/l	
82) 4-Chlorotoluene	12.00	91	64479	5.25	ug/l	97
83) tert-Butylbenzene	12.22	119	63390	5.20	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	69744	5.36	ug/l	94
85) sec-Butylbenzene	12.40	105	82433	5.35	ug/l	100
86) p-Isopropyltoluene	12.55	119	69632	5.11	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	39463	5.40	ug/l	95
88) 1,4-Dichlorobenzene	12.66	146	38523	5.44	ug/l	98
89) n-Butylbenzene	12.92	91	64109	5.12	ug/l	89
90) Hexachloroethane	13.00	117	16250	5.30	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	38262	5.61	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	3182	4.31	ug/l	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
Data File : VF059510.D
Acq On : 17 Jul 2018 16:38
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

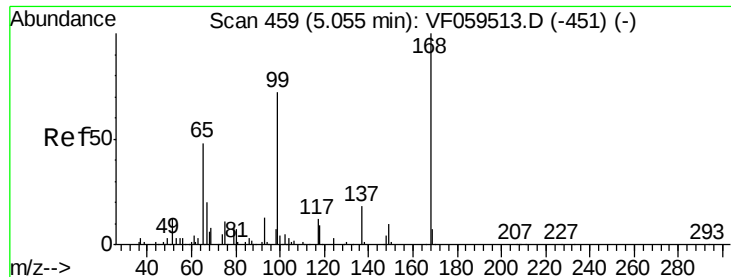
Manual Integrations
APPROVED

apatel
7/18/2018 3:15:57 PM

Quant Time: Jul 18 01:53:07 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	20544	4.82	ug/l	95
94) Hexachlorobutadiene	14.26	225	10030	5.31	ug/l	98
95) Naphthalene	14.53	128	43197	4.76	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	18766	5.05	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 285488

Ion Ratio Lower Upper

168 100

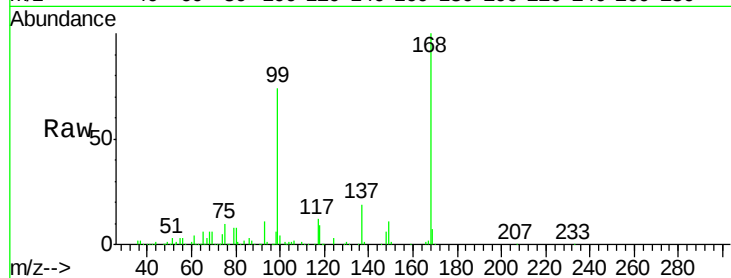
99 74.2 57.6 86.4

Manual Integrations

APPROVED

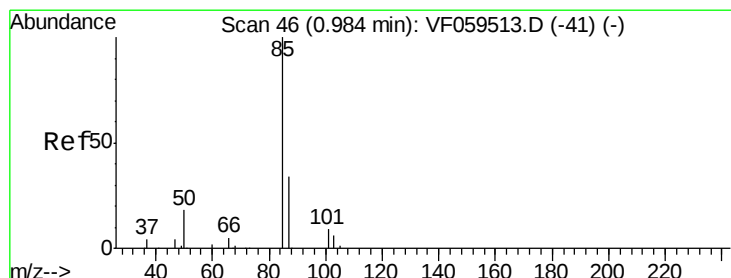
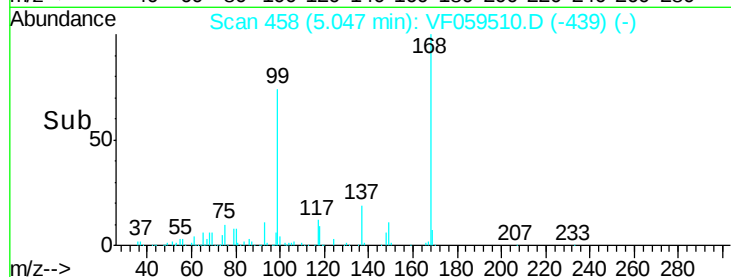
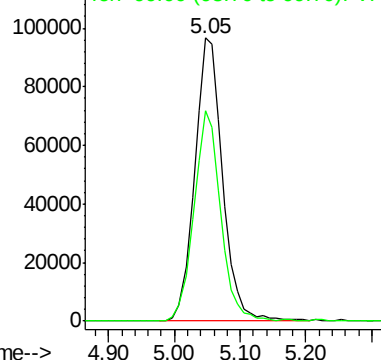
apatel

7/18/2018 3:15:57 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 6.29 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059510.D

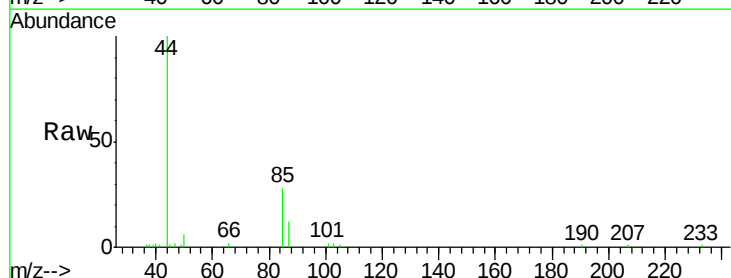
Acq: 17 Jul 2018 16:38

Tgt Ion: 85 Resp: 20427

Ion Ratio Lower Upper

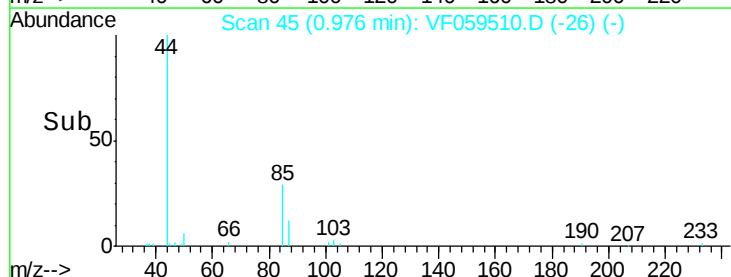
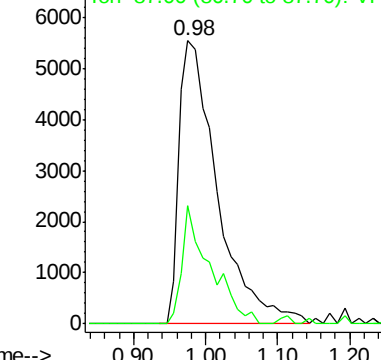
85 100

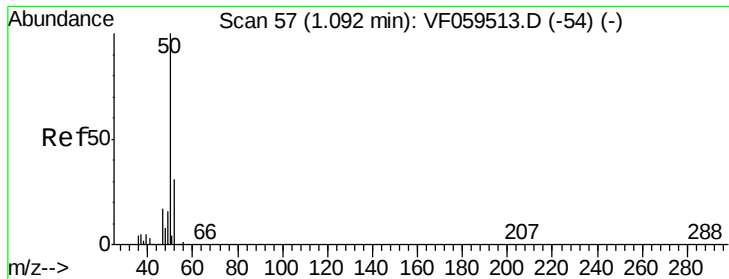
87 41.8 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 6.52 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11946

Ion Ratio Lower Upper

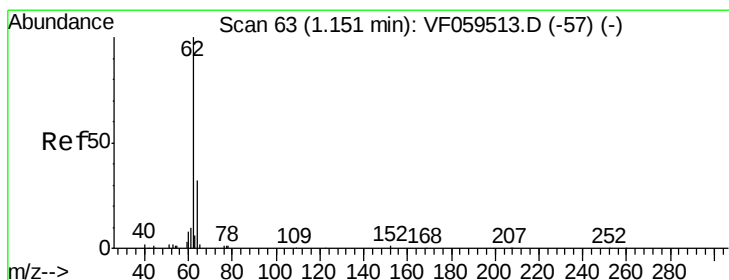
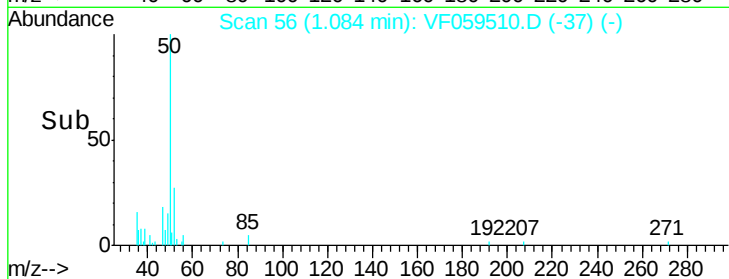
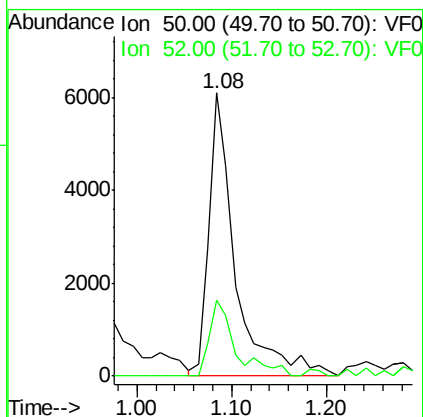
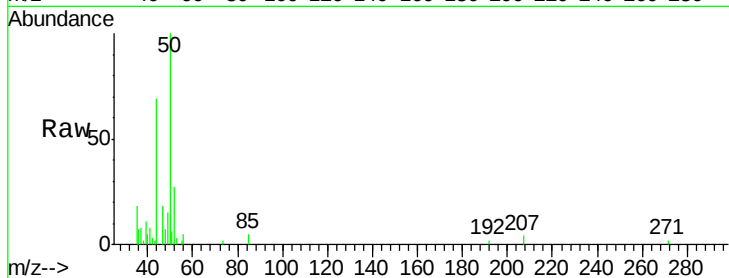
50 100

52 26.7 24.6 37.0

Manual Integrations
APPROVED

apatel

7/18/2018 3:15:57 PM



#4

Vinyl Chloride

Concen: 5.39 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059510.D

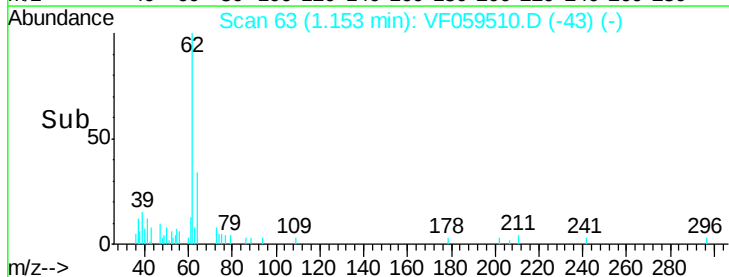
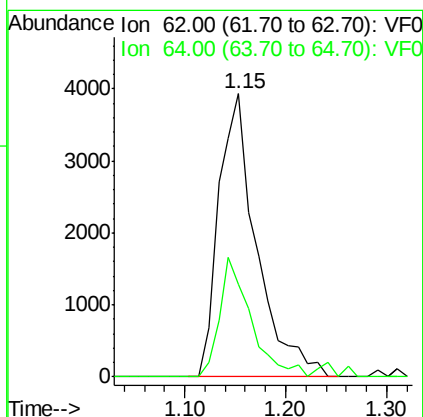
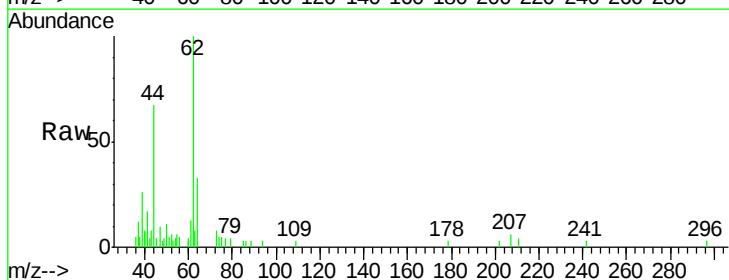
Acq: 17 Jul 2018 16:38

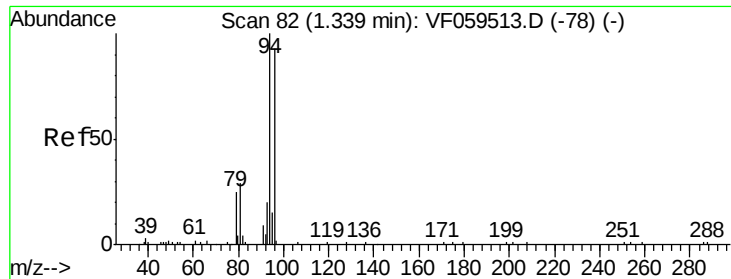
Tgt Ion: 62 Resp: 10283

Ion Ratio Lower Upper

62 100

64 32.8 25.7 38.5





#5

Bromomethane

Concen: 5.74 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7627

Ion Ratio Lower Upper

94 100

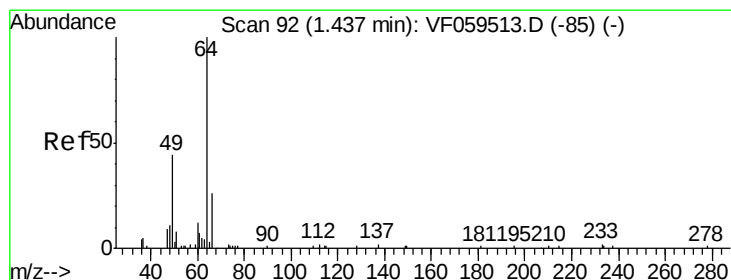
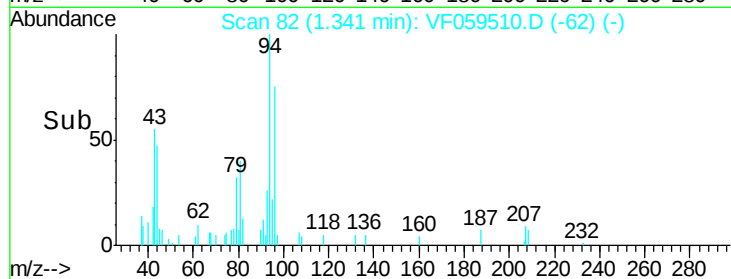
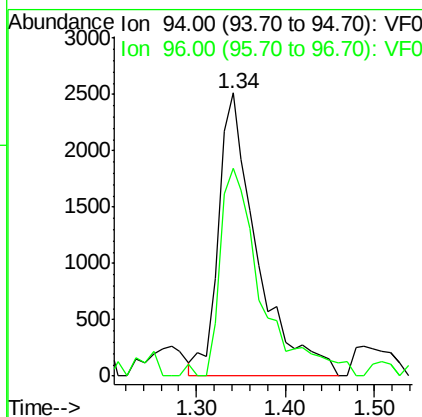
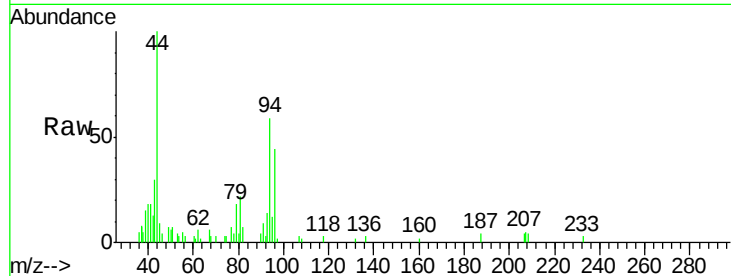
96 73.6 74.2 111.2#

Manual Integrations

APPROVED

apatel

7/18/2018 3:15:57 PM



#6

Chloroethane

Concen: 4.87 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF059510.D

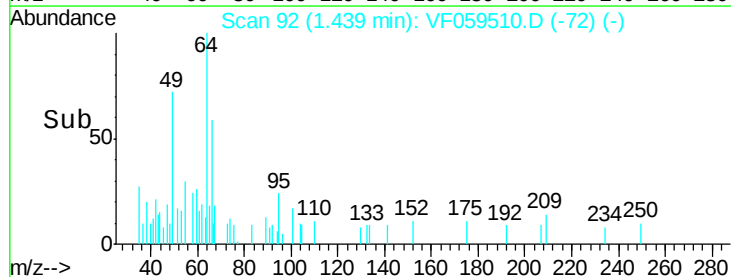
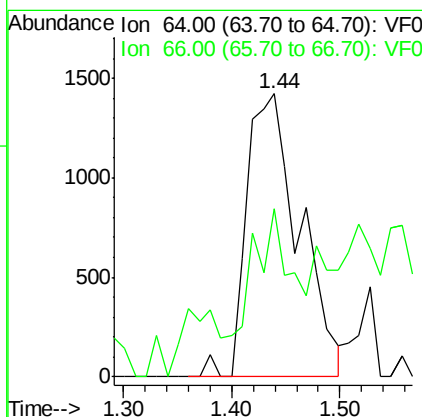
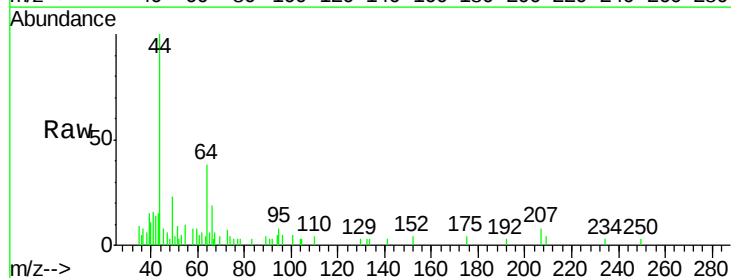
Acq: 17 Jul 2018 16:38

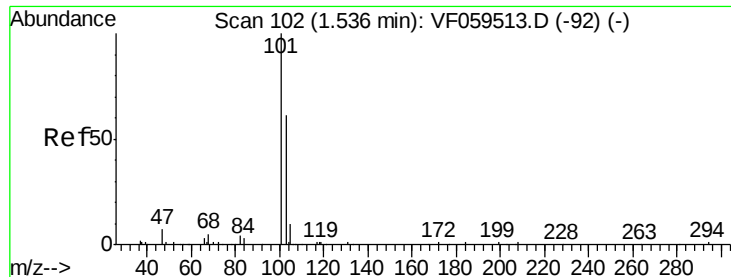
Tgt Ion: 64 Resp: 4862

Ion Ratio Lower Upper

64 100

66 59.4 22.9 34.3#





#7

Trichlorofluoromethane

Concen: 5.76 ug/l

RT: 1.52 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 25236

Ion Ratio Lower Upper

101 100

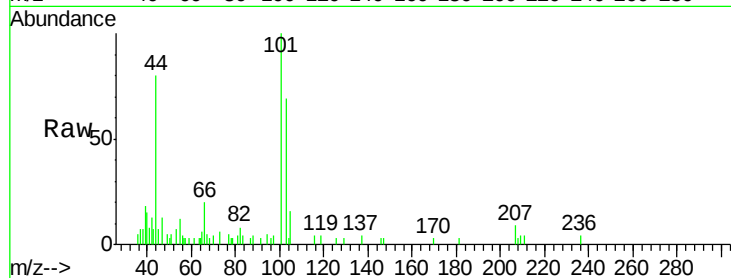
103 68.6 48.6 72.8

Manual Integrations

APPROVED

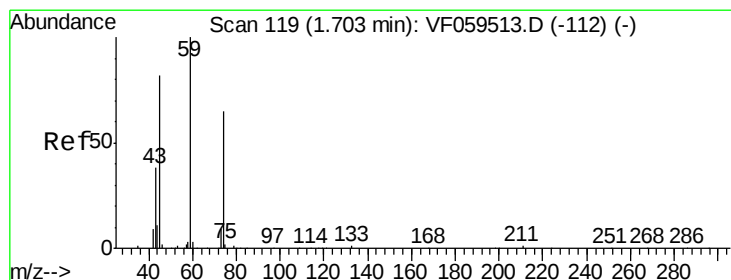
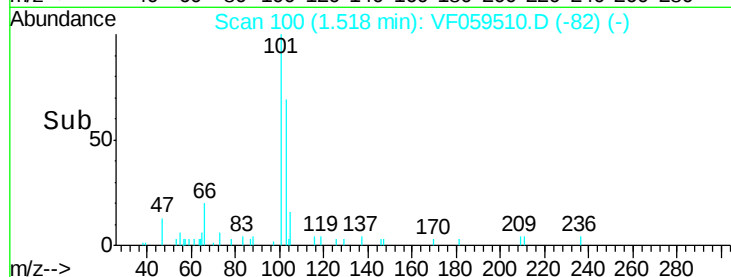
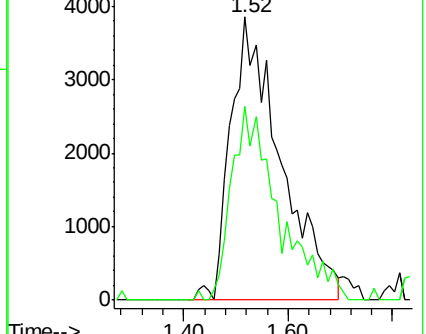
apatel

7/18/2018 3:15:57 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.77 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059510.D

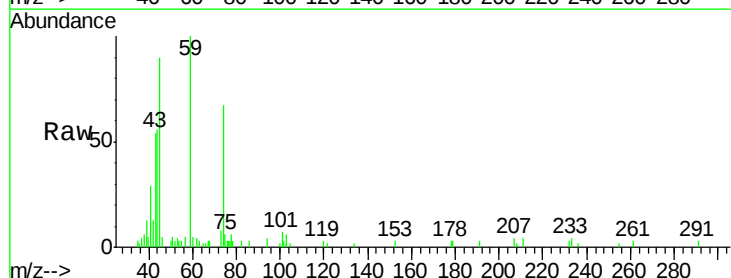
Acq: 17 Jul 2018 16:38

Tgt Ion: 74 Resp: 5066

Ion Ratio Lower Upper

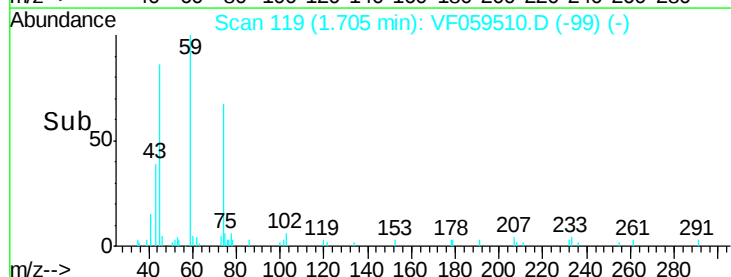
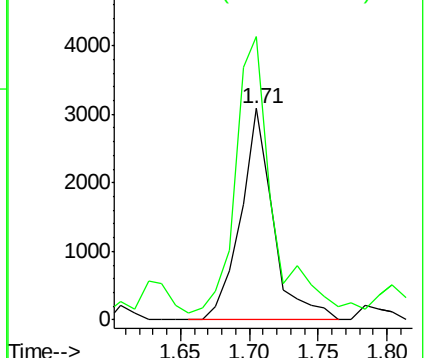
74 100

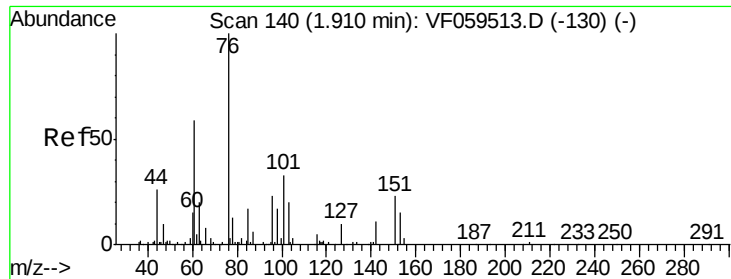
45 134.0 63.6 190.9



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.29 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

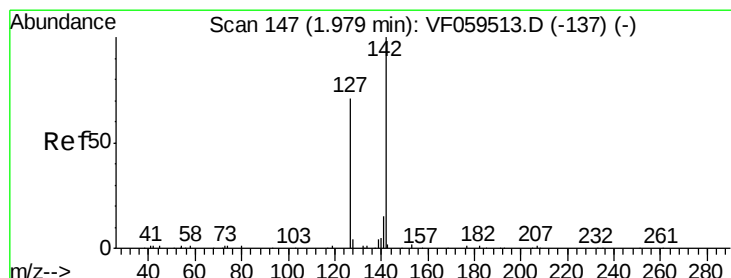
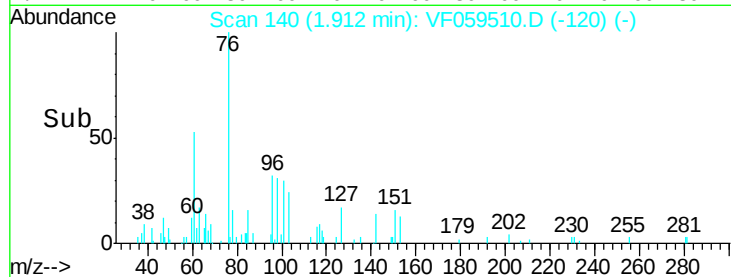
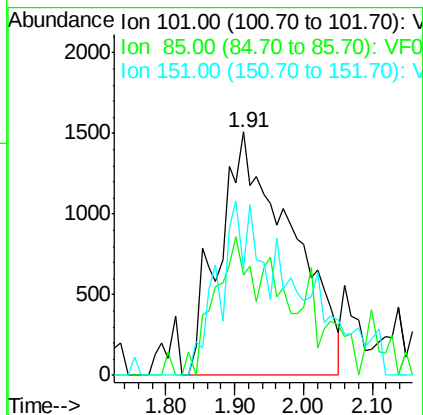
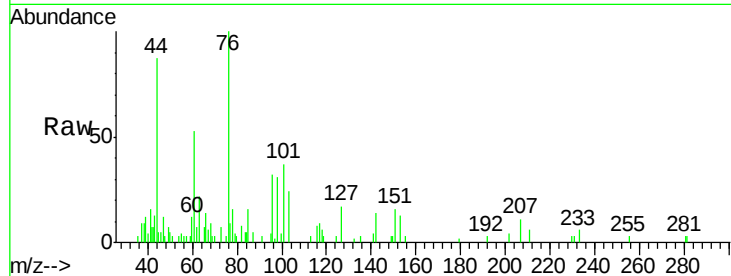
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.4	39.8	59.6
151	43.8	54.2	81.2#

Manual Integrations
APPROVED

apatel
7/18/2018 3:15:57 PM



#10

Methyl Iodide

Concen: 4.85 ug/l

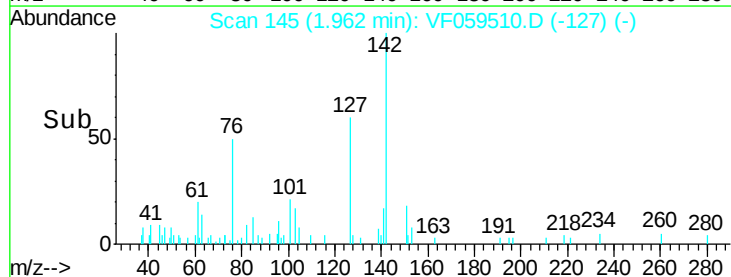
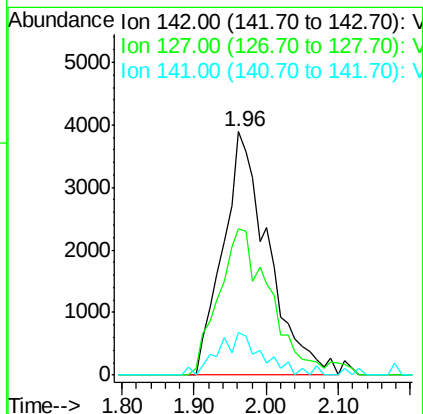
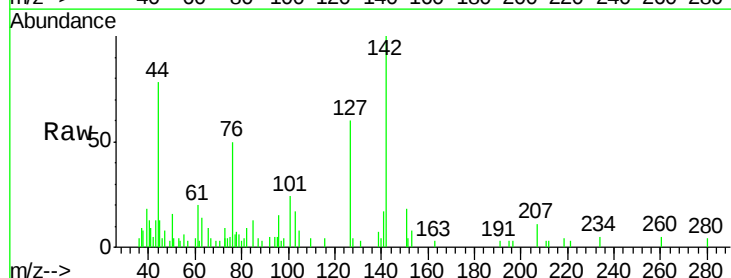
RT: 1.96 min Scan# 145

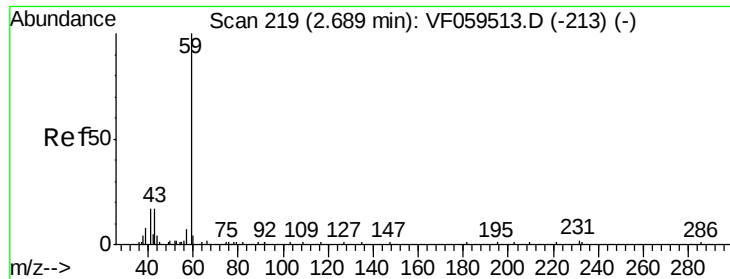
Delta R.T. -0.02 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
142	100		
127	59.9	56.4	84.6
141	17.3	12.0	18.0





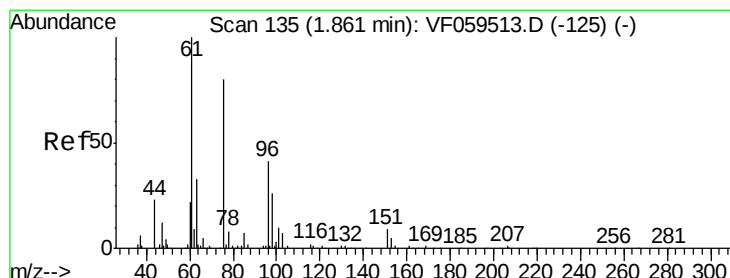
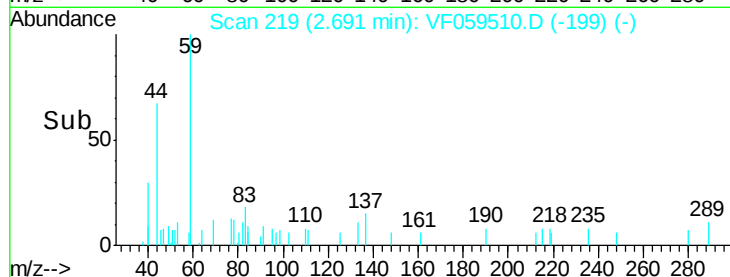
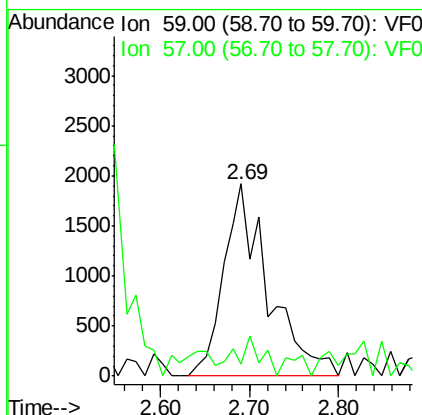
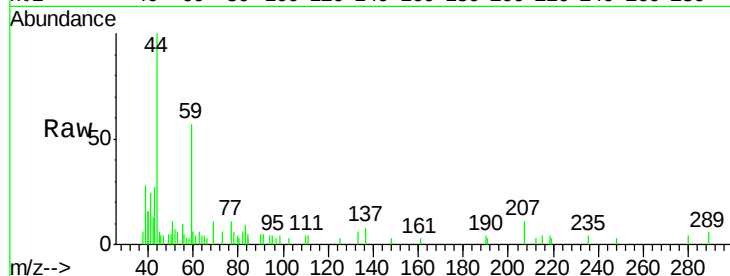
#11
Tert butyl alcohol
Concen: 33.48 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	7.7	11.5#

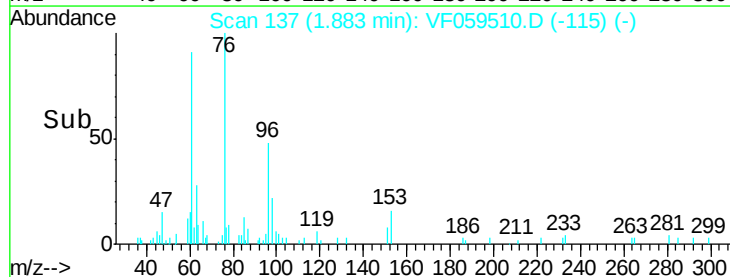
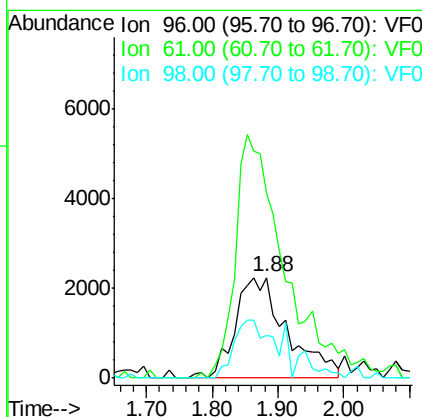
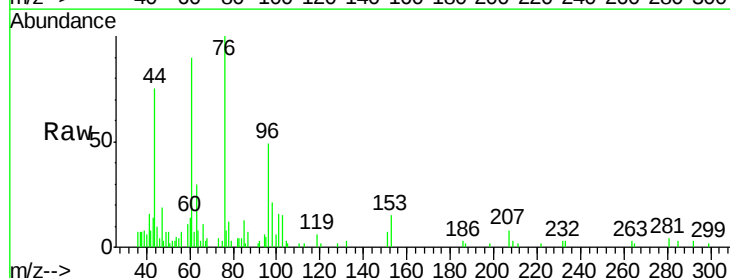
Manual Integrations
APPROVED

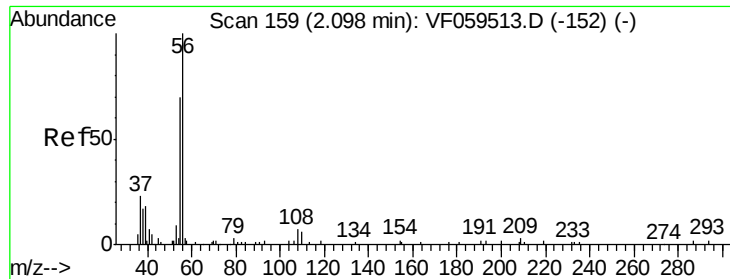
apatel
7/18/2018 3:15:57 PM



#12
1,1-Dichloroethene
Concen: 6.14 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.02 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.1	194.3	291.5#
98	42.2	50.3	75.5#





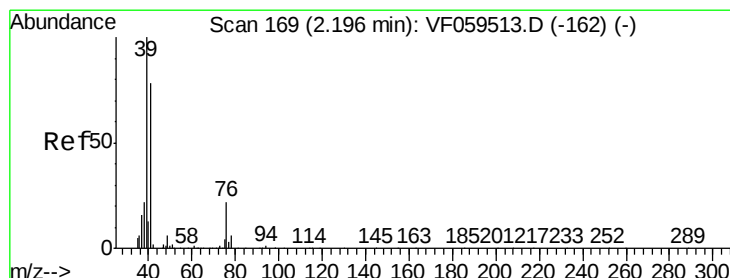
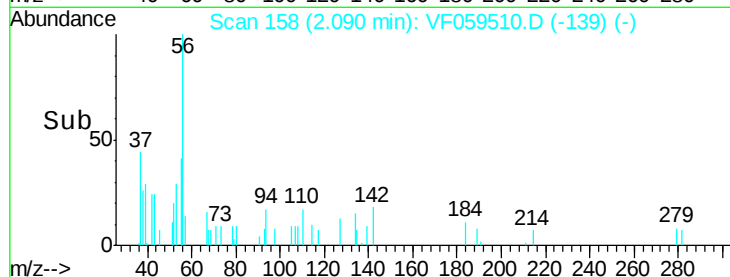
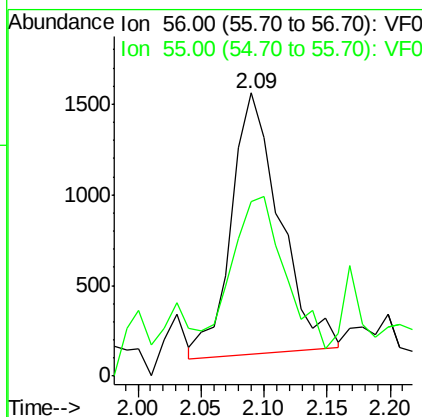
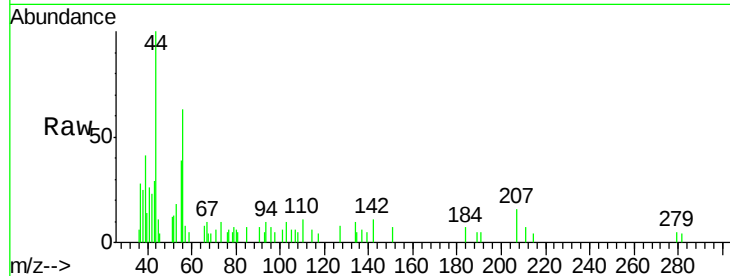
#13
Acrolein
Concen: 34.43 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	61.7	59.4	89.2

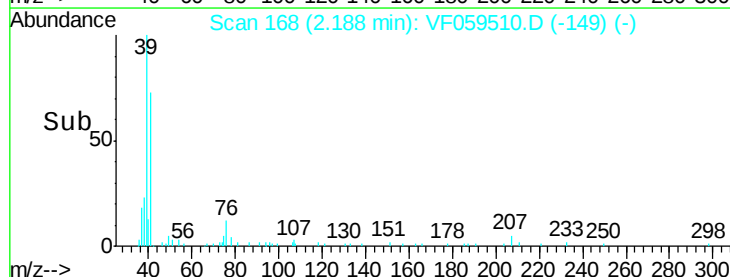
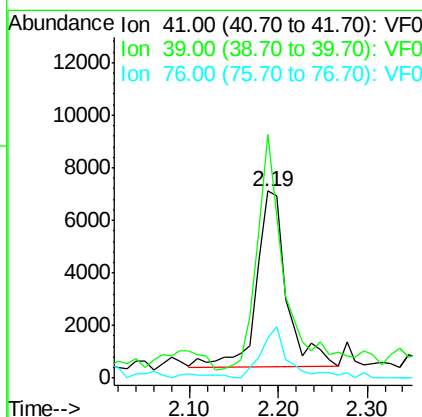
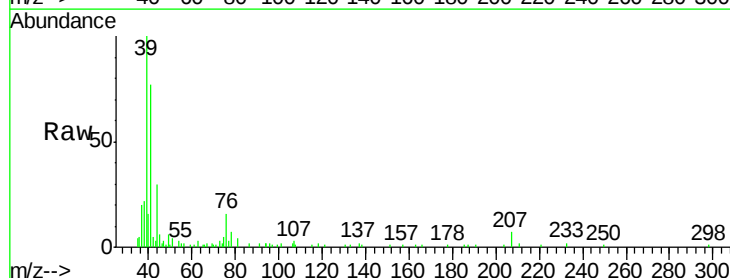
Manual Integrations
APPROVED

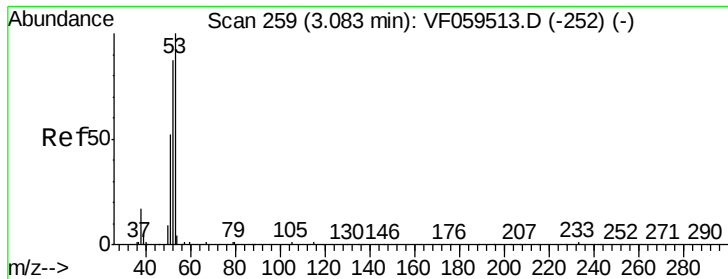
apatel
7/18/2018 3:15:57 PM



#14
Allyl chloride
Concen: 5.92 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
41	100		
39	130.0	103.0	154.4
76	21.4	22.6	34.0#





#15

Acrylonitrile

Concen: 28.38 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

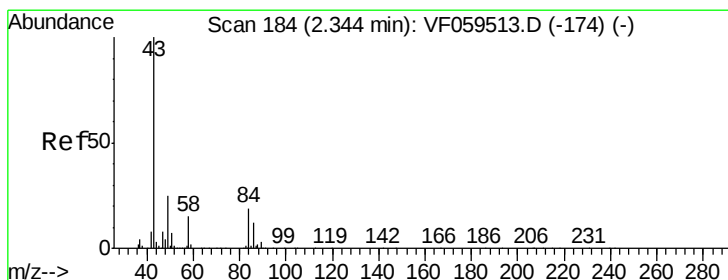
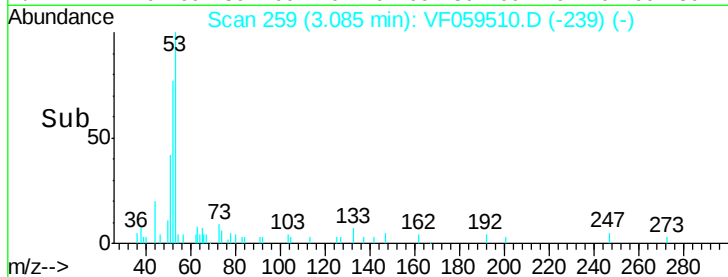
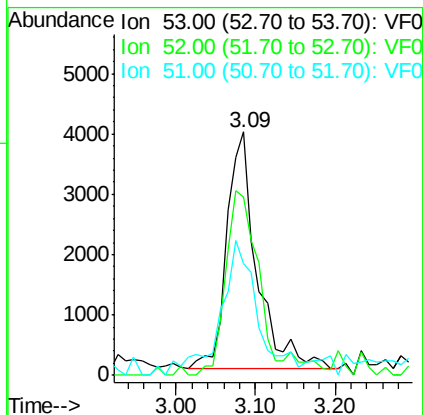
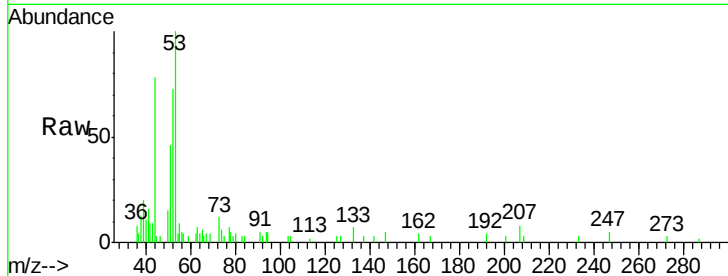
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10466
Ion Ratio	Lower	Upper	
53	100		
52	73.2	70.1	105.1
51	45.9	42.5	63.7

Manual Integrations
APPROVED

apatel
7/18/2018 3:15:57 PM



#16

Acetone

Concen: 31.40 ug/l m

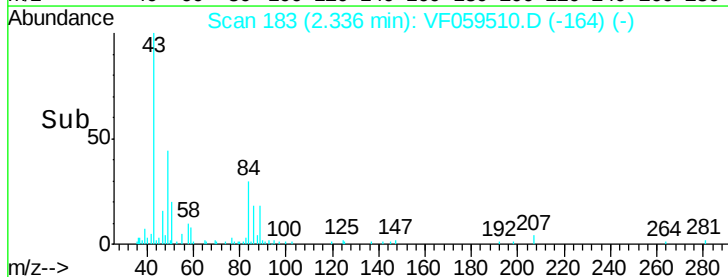
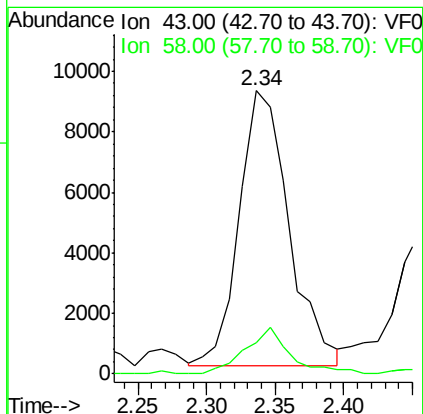
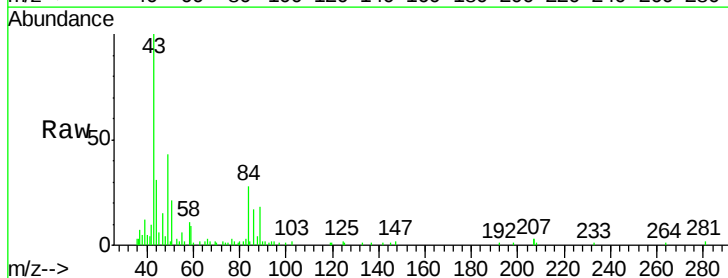
RT: 2.34 min Scan# 183

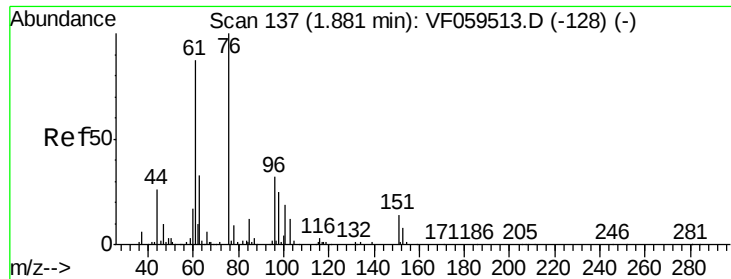
Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion:	43	Resp:	22985
Ion Ratio	Lower	Upper	
43	100		
58	11.2	11.8	17.6#





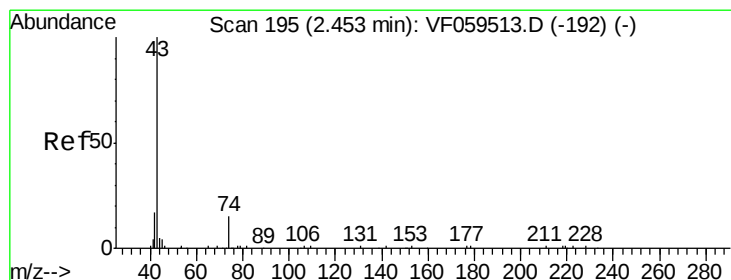
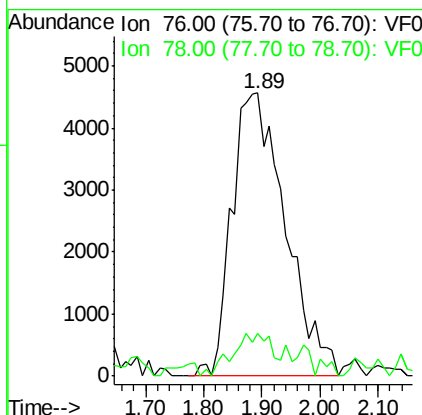
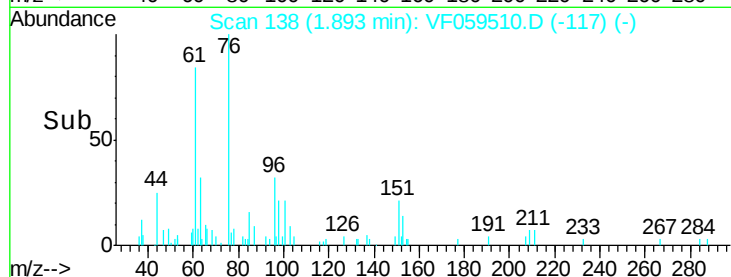
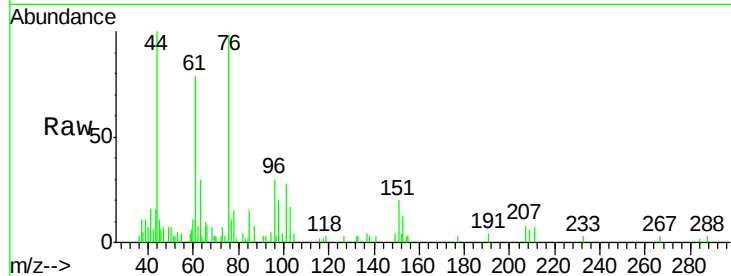
#17
Carbon Disulfide
Concen: 5.37 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 29261
Ion Ratio Lower Upper
76 100
78 15.3 7.8 11.6#

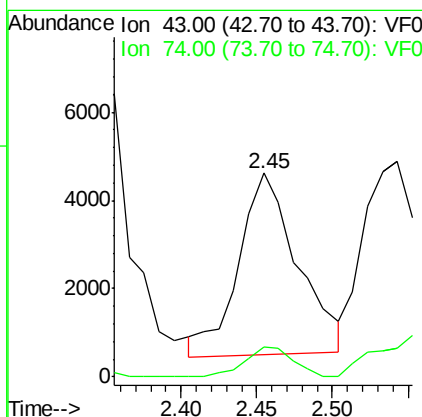
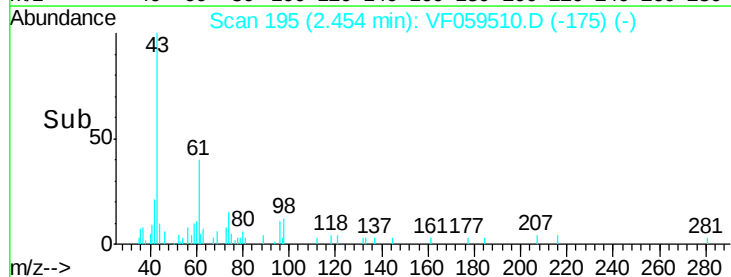
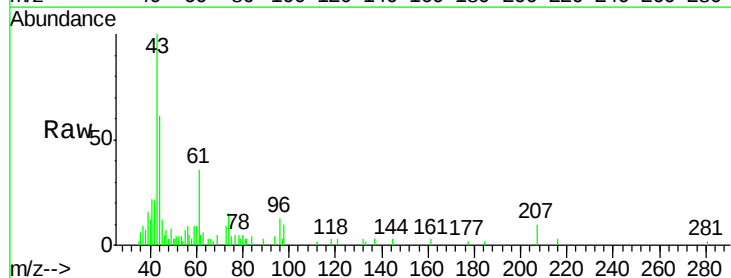
Manual Integrations
APPROVED

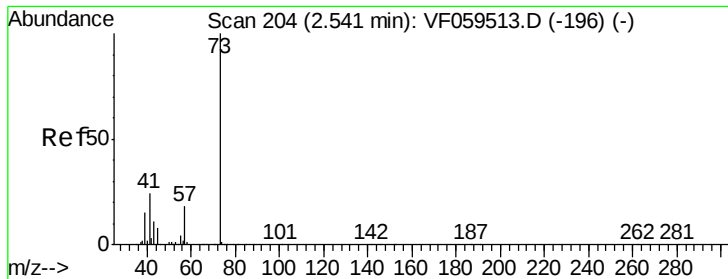
apatel
7/18/2018 3:15:57 PM



#18
Methyl Acetate
Concen: 7.42 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion: 43 Resp: 11150
Ion Ratio Lower Upper
43 100
74 14.5 10.6 15.8





#19

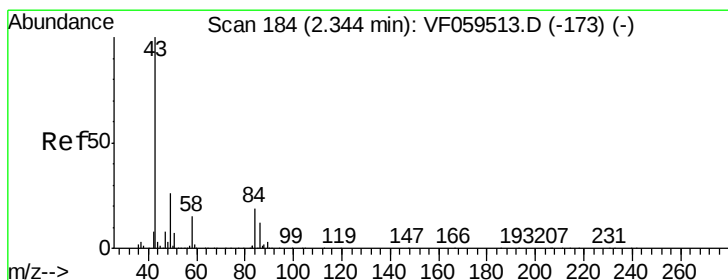
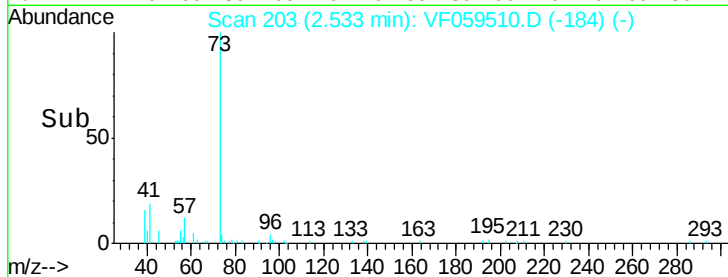
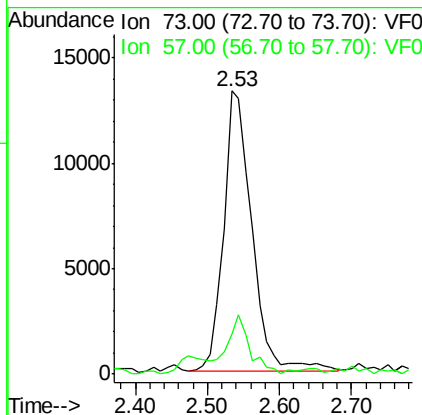
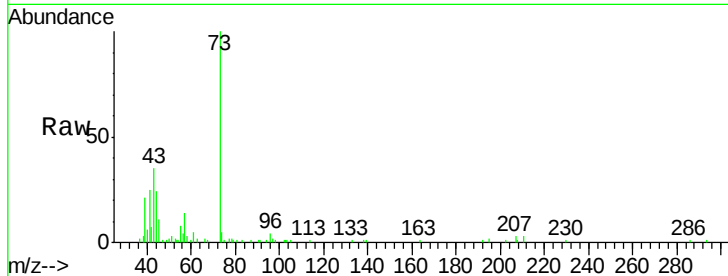
Methyl tert-butyl Ether
 Concen: 5.49 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	14.3	14.3	21.5#

Manual Integrations
 APPROVED

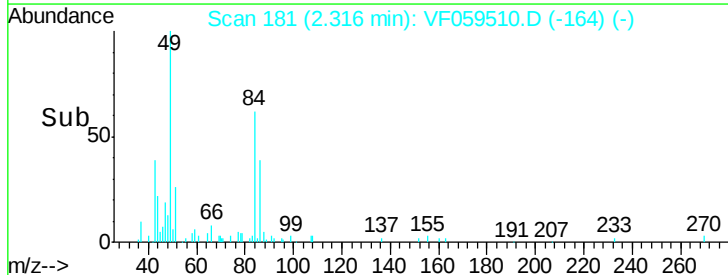
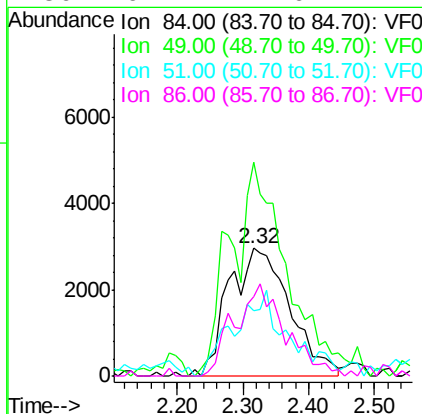
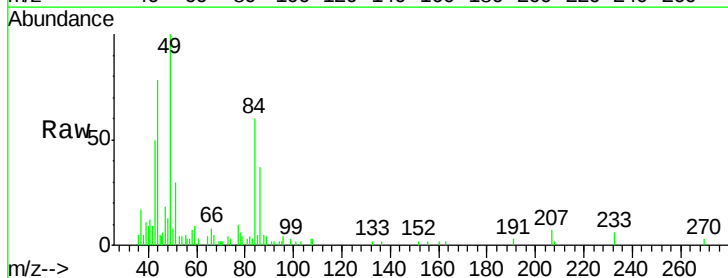
apatel
 7/18/2018 3:15:57 PM

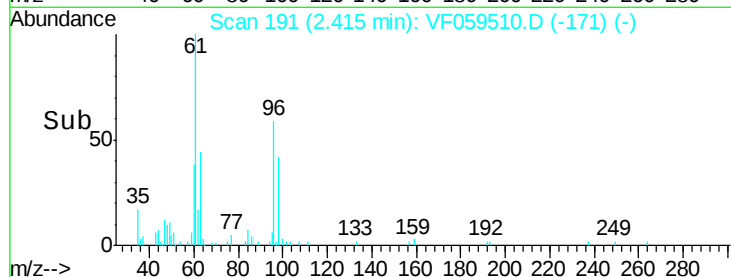
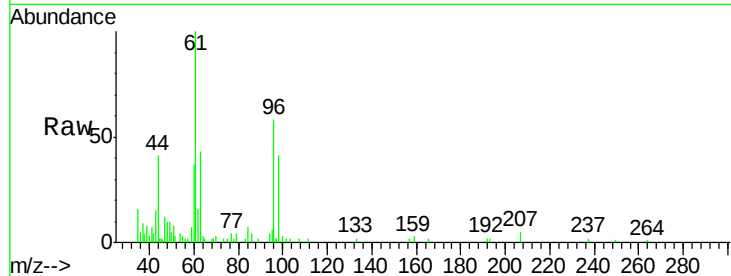
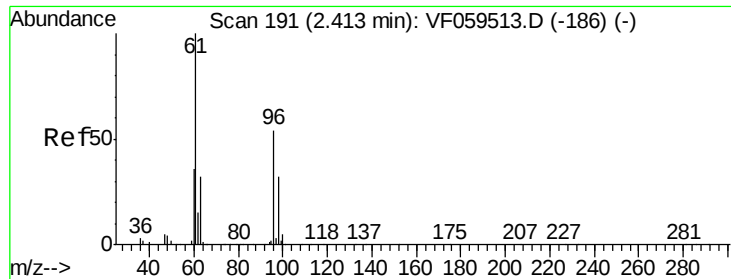


#20

Methylene Chloride
 Concen: 7.30 ug/l
 RT: 2.32 min Scan# 181
 Delta R.T. -0.03 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	167.4	109.4	164.2#
51	50.8	30.5	45.7#
86	62.4	47.6	71.4





#21

trans-1,2-Dichloroethene

Concen: 5.43 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059510.D

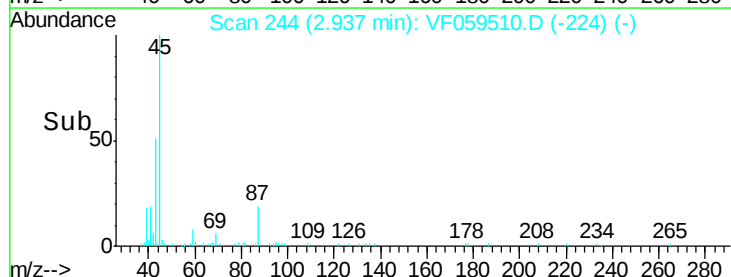
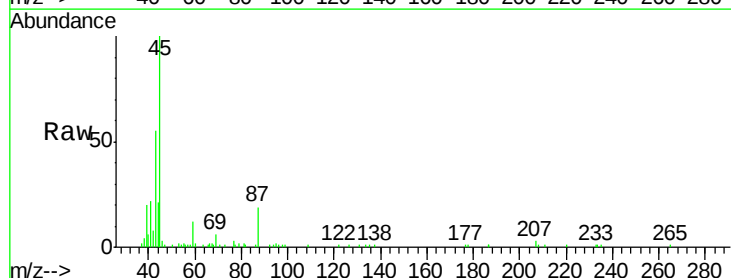
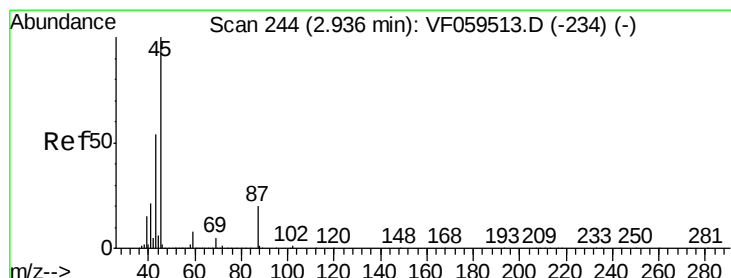
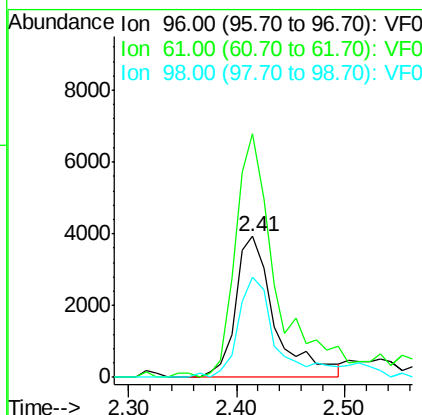
Acq: 17 Jul 2018 16:38

Tot Ion:	96	Resp:	9934
Ion	Ratio	Lower	Upper
96	100		
61	166.7	149.8	224.8
98	68.5	47.8	71.8

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

apatel
7/18/2018 3:15:57 PM



#22

Diisopropyl ether

Concen: 4.94 ug/l

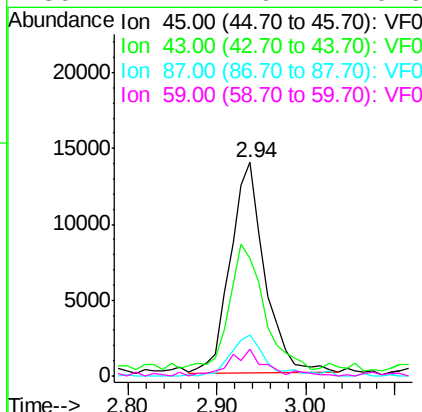
RT: 2.94 min Scan# 244

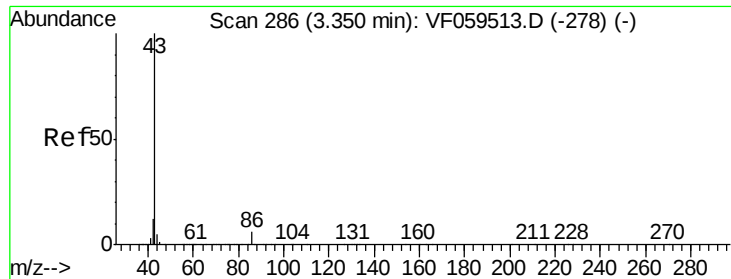
Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion:	45	Resp:	37298
Ion	Ratio	Lower	Upper
45	100		
43	55.1	43.6	65.4
87	19.0	15.6	23.4
59	12.4	6.4	9.6#





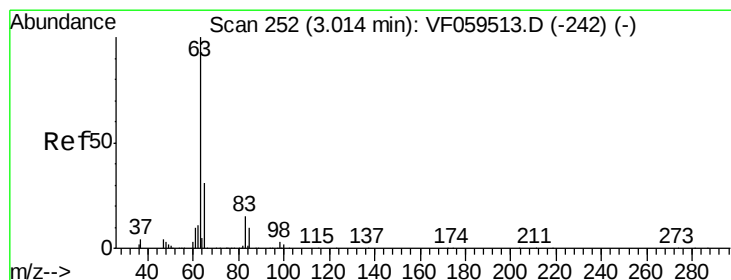
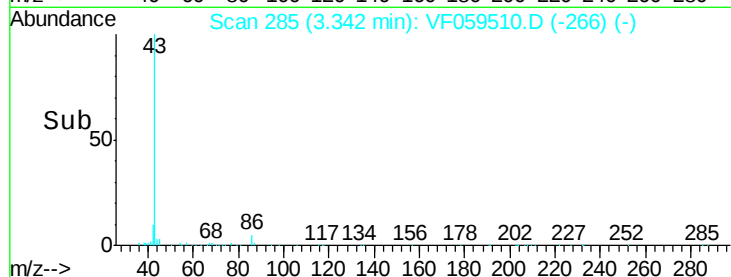
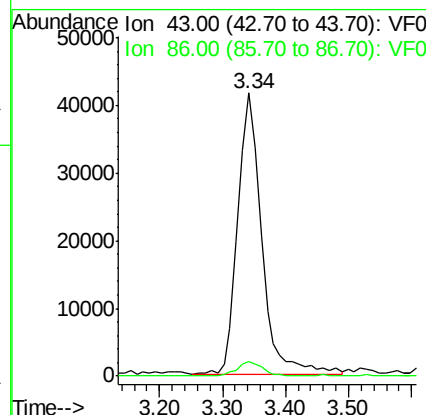
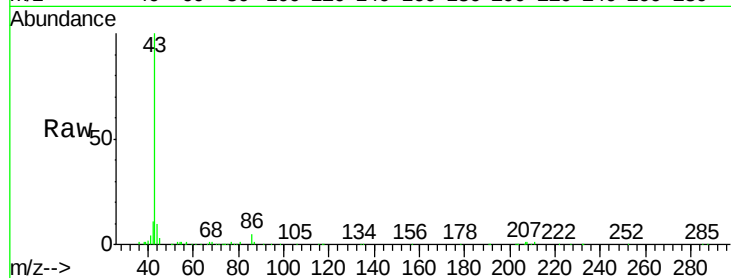
#23
 Vinyl Acetate
 Concen: 24.84 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.2	4.4	6.6

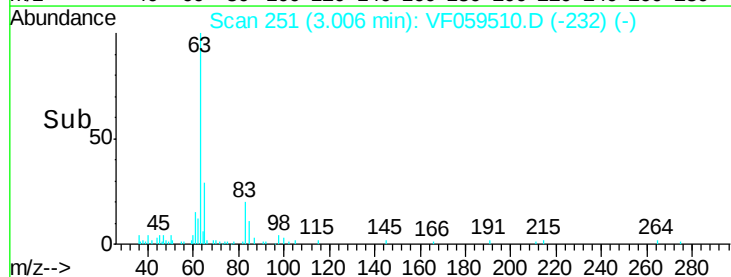
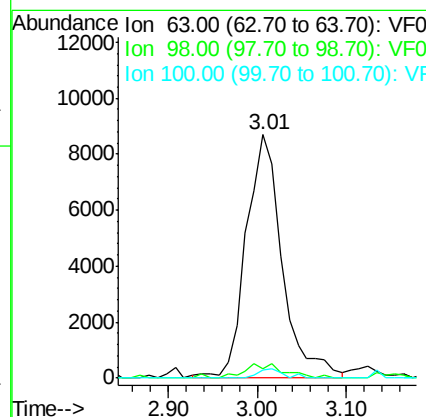
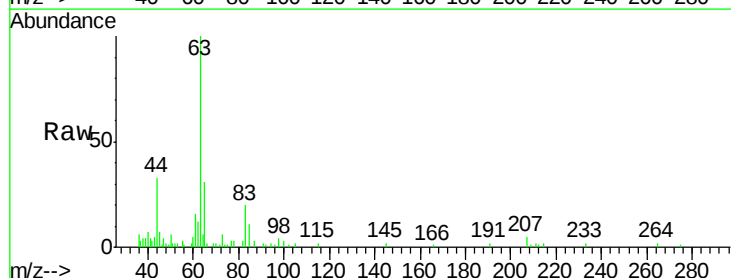
Manual Integrations
 APPROVED

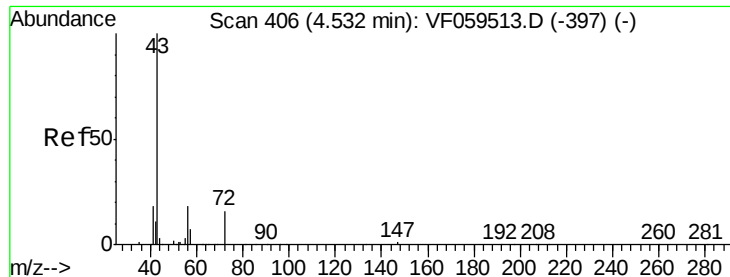
apatel
 7/18/2018 3:15:57 PM



#24
 1,1-Dichloroethane
 Concen: 5.68 ug/l
 RT: 3.01 min Scan# 251
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.4
100	3.4	1.3	3.8





#25

2-Butanone

Concen: 27.95 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 29738

Ion Ratio Lower Upper

43 100

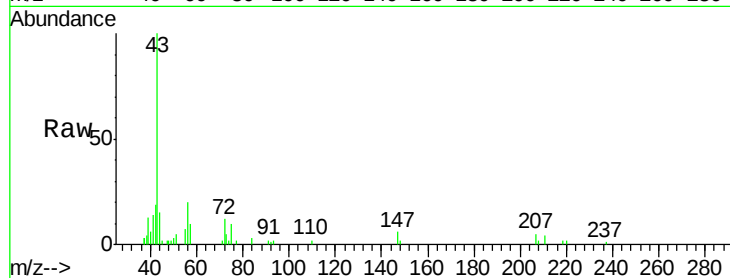
72 12.4 14.2 21.4#

Manual Integrations

APPROVED

apatel

7/18/2018 3:15:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.52

8000

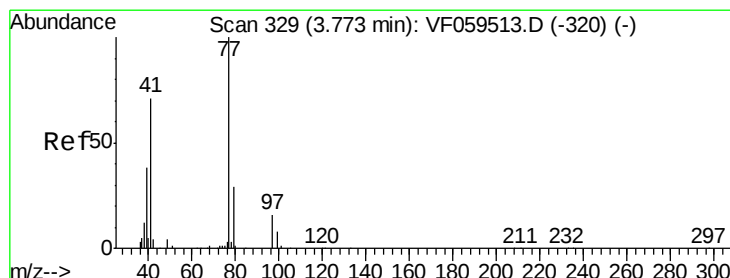
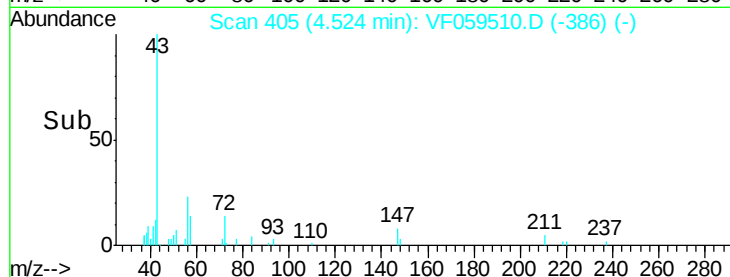
6000

4000

2000

0

Time-->



#26

2,2-Dichloropropane

Concen: 6.48 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059510.D

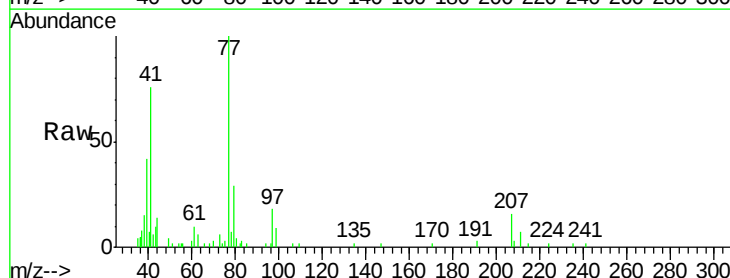
Acq: 17 Jul 2018 16:38

Tgt Ion: 77 Resp: 18639

Ion Ratio Lower Upper

77 100

97 18.4 8.1 24.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.77

6000

5000

4000

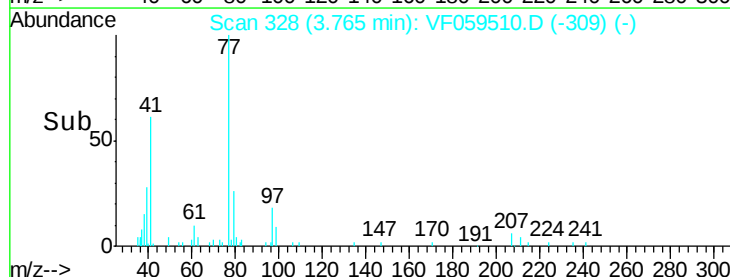
3000

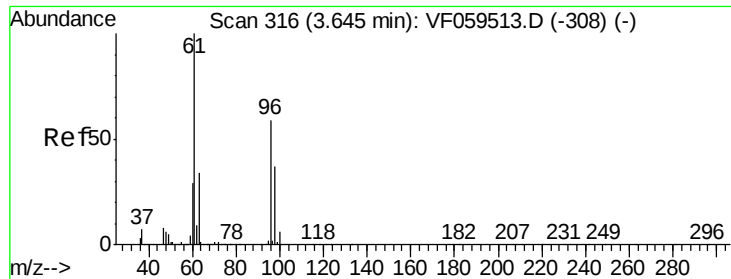
2000

1000

0

Time-->





#27

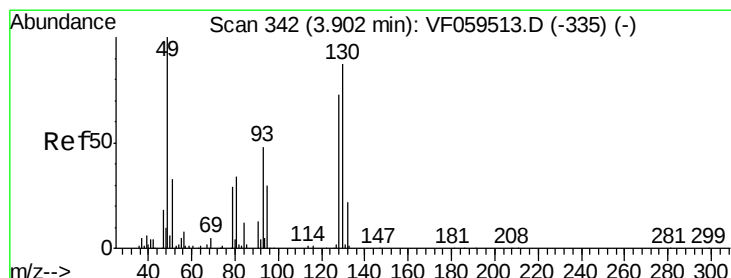
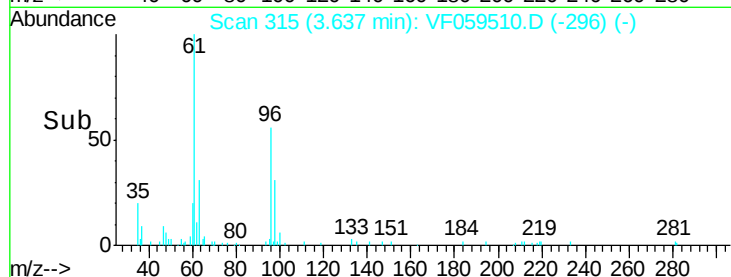
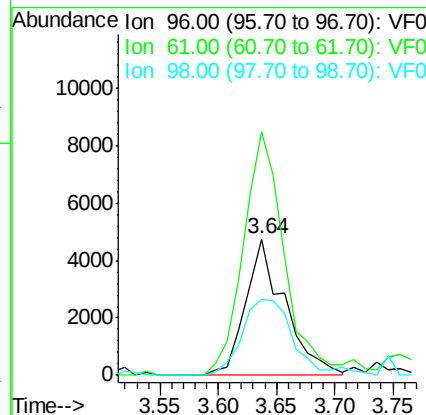
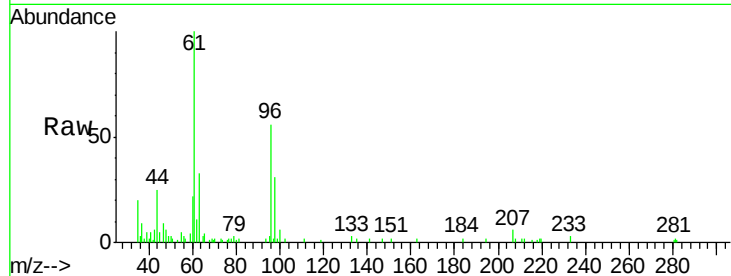
cis-1,2-Dichloroethene
Concen: 4.42 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	178.7	0.0	339.0
98	59.4	0.0	125.4

Manual Integrations
APPROVED

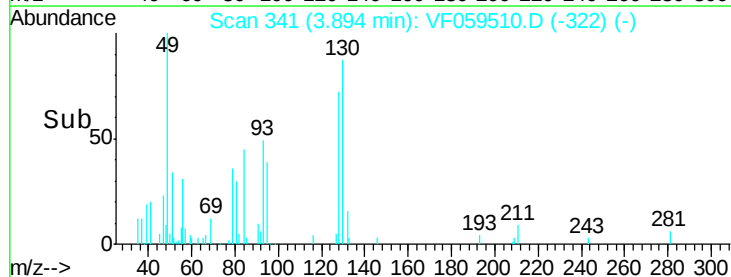
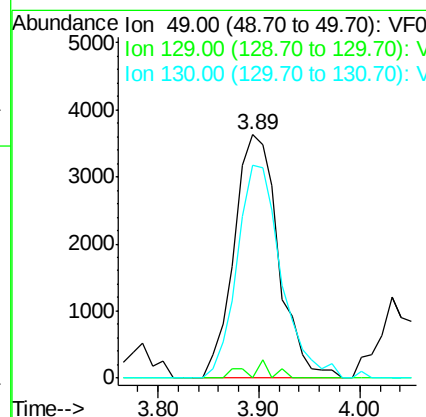
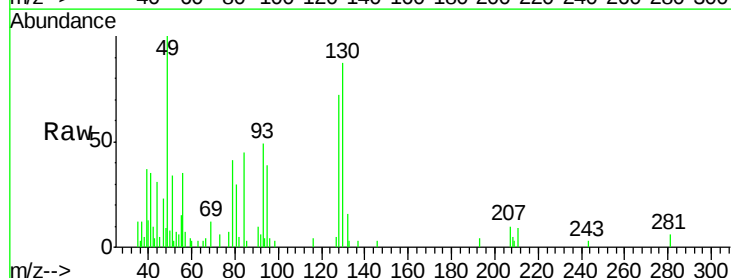
apatel
7/18/2018 3:15:57 PM

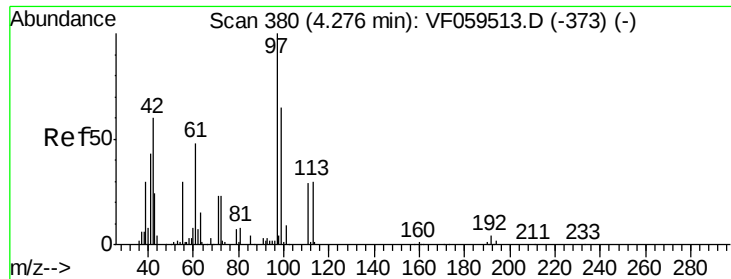


#28

Bromochloromethane
Concen: 5.59 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	87.4	69.8	104.6





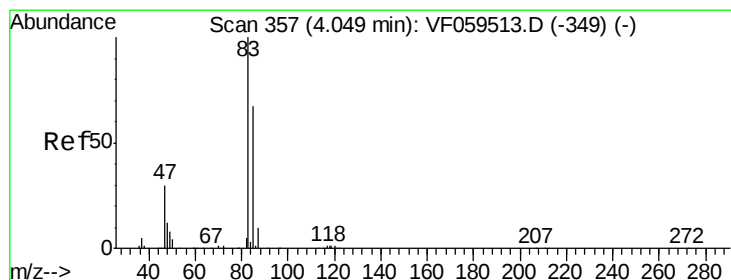
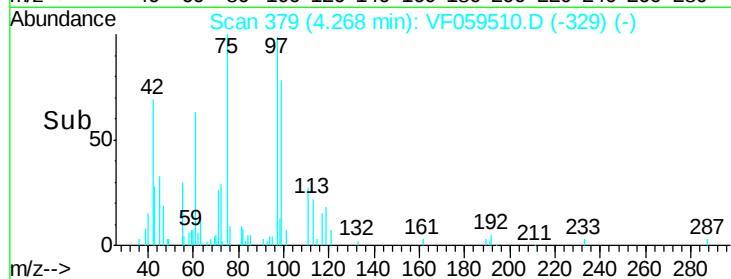
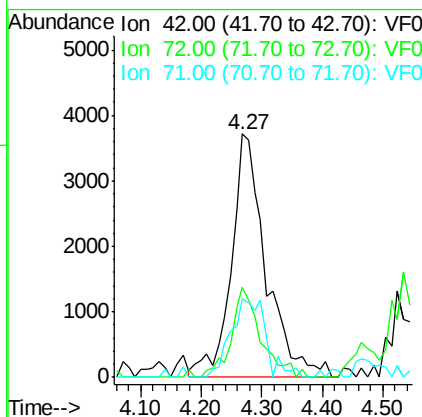
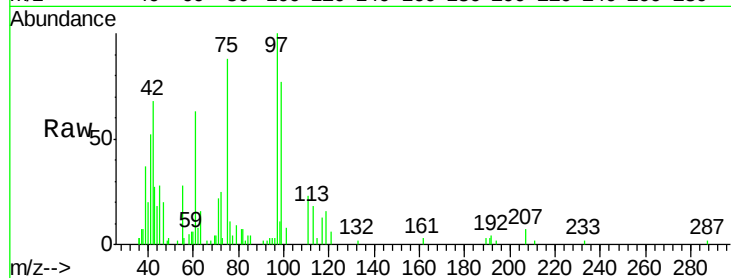
#29
Tetrahydrofuran
Concen: 32.44 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.4	28.7	43.1
71	32.3	30.8	46.2

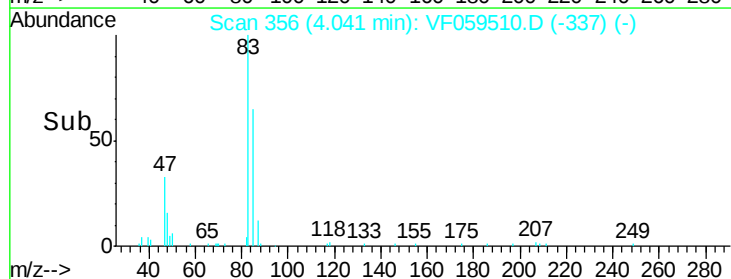
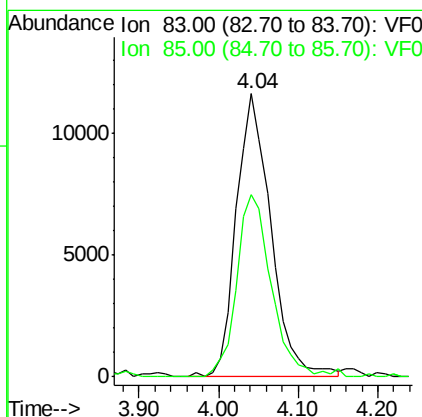
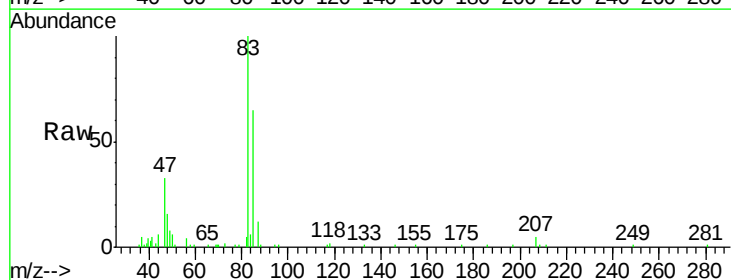
Manual Integrations
APPROVED

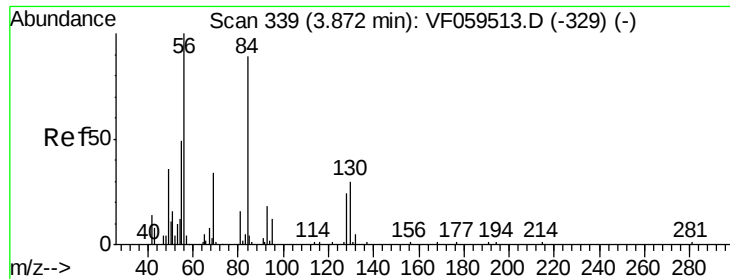
apatel
7/18/2018 3:15:57 PM



#30
Chloroform
Concen: 5.44 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.2	79.8





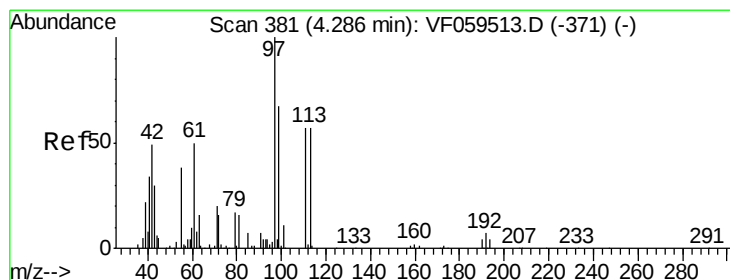
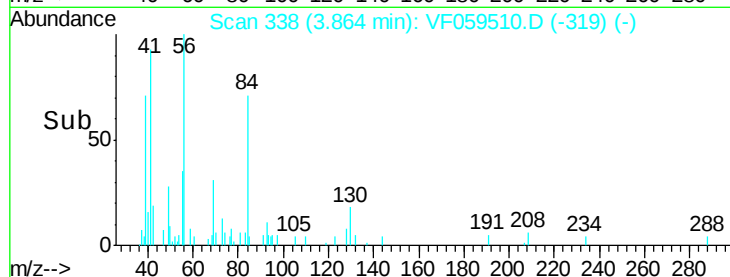
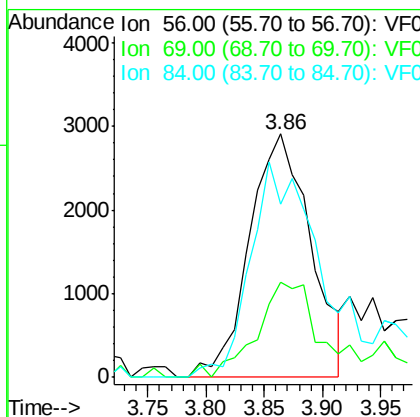
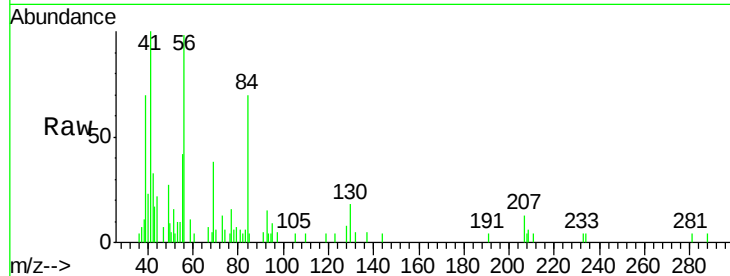
#31
Cyclohexane
Concen: 4.39 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	27.6	41.4
84	71.2	71.4	107.2#

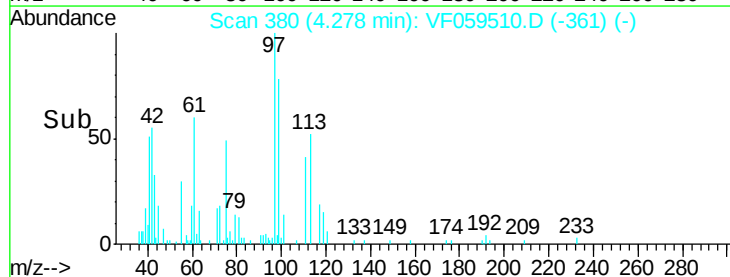
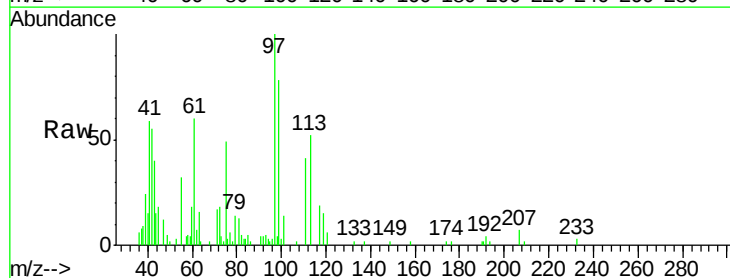
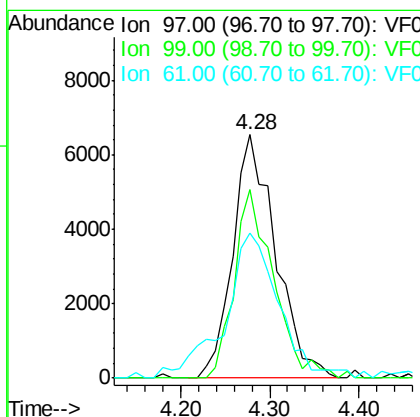
Manual Integrations
APPROVED

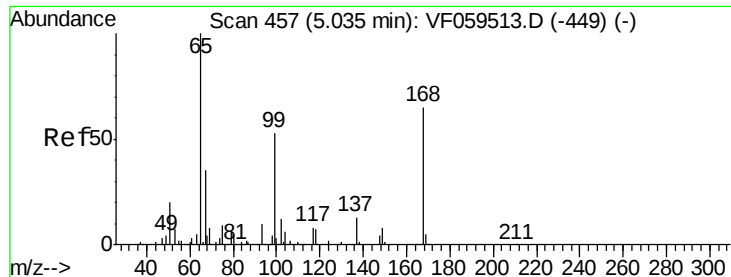
apatel
7/18/2018 3:15:57 PM



#32
1,1,1-Trichloroethane
Concen: 4.89 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	77.7	53.5	80.3
61	59.6	39.7	59.5#





#33

1,2-Dichloroethane-d4

Concen: 5.62 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 24237

Ion Ratio Lower Upper

65 100

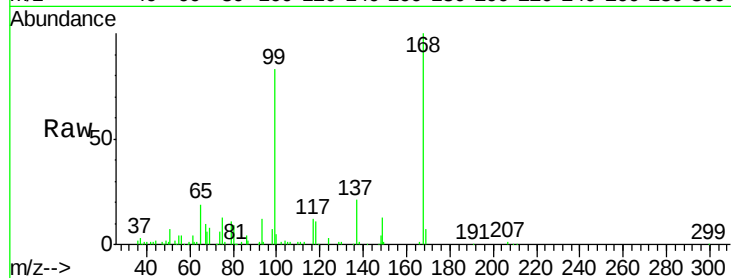
67 52.5 0.0 91.2

Manual Integrations

APPROVED

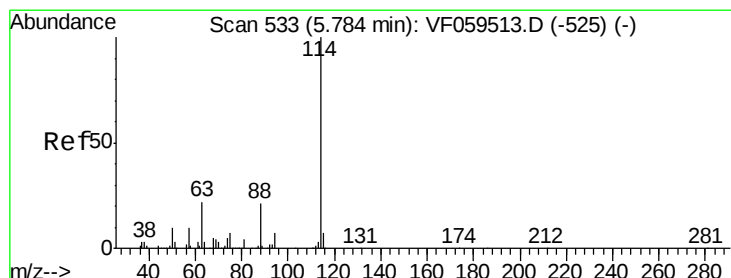
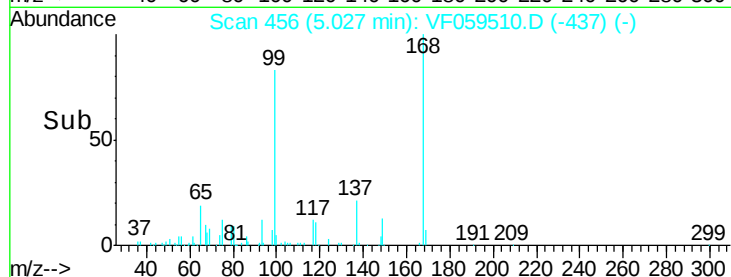
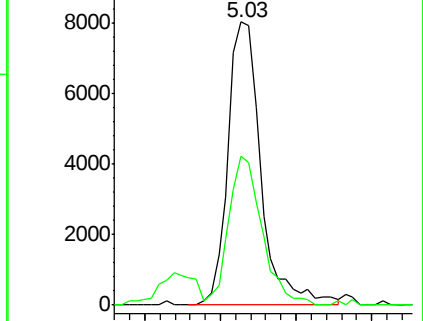
apatel

7/18/2018 3:15:57 PM



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

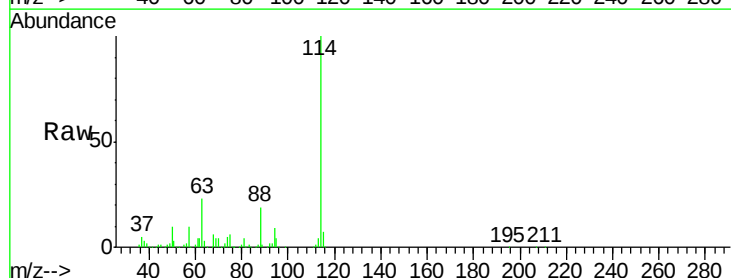
Tgt Ion: 114 Resp: 426945

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.8

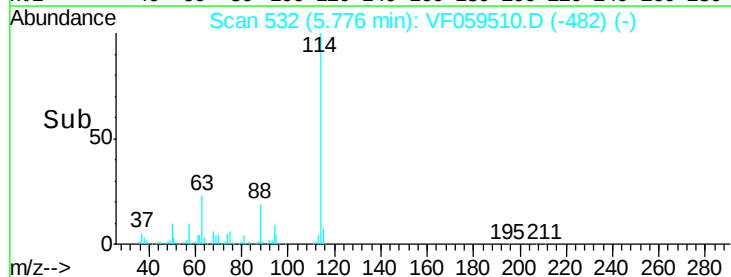
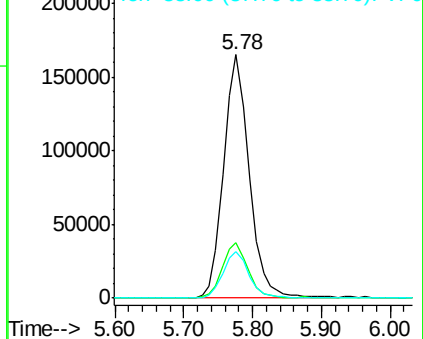
88 18.9 0.0 42.6

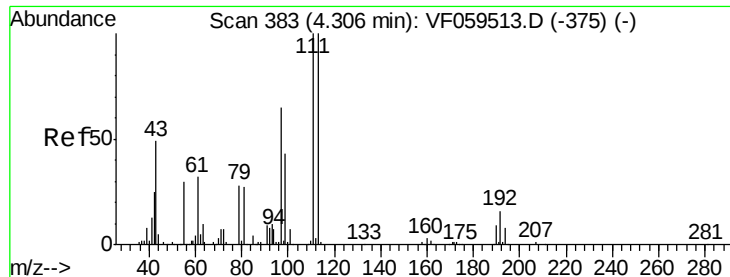


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 5.24 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

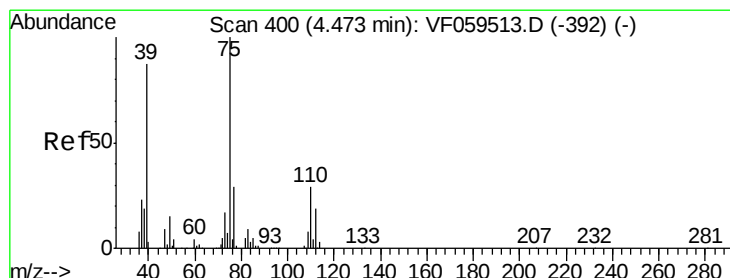
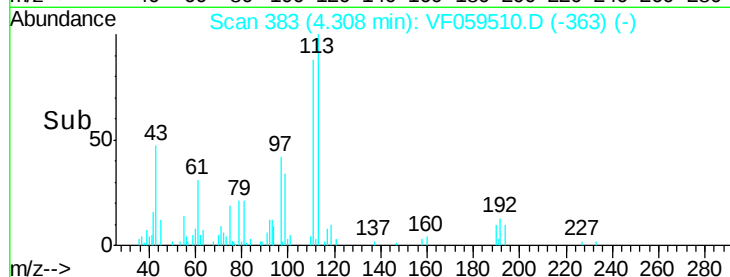
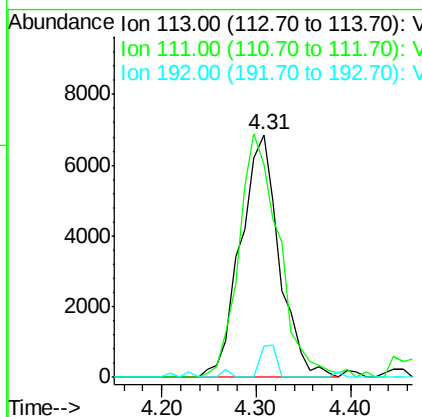
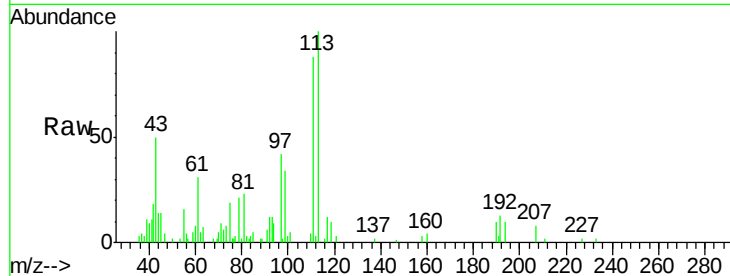
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	19415
Ion Ratio	Lower	Upper	
113	100		
111	90.1	80.3	120.5
192	13.0	13.1	19.7#

Manual Integrations
APPROVED

apatel
7/18/2018 3:15:57 PM



#36

1,1-Dichloropropene

Concen: 5.13 ug/l

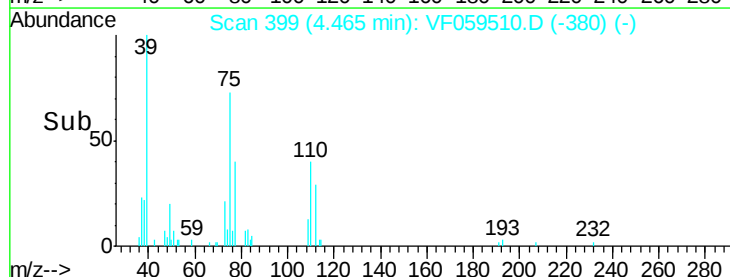
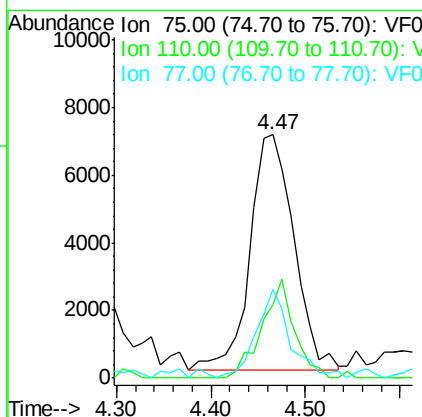
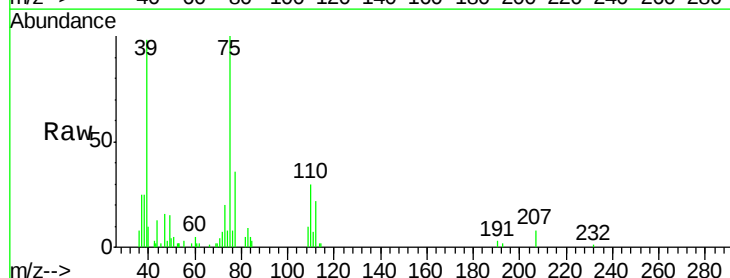
RT: 4.47 min Scan# 399

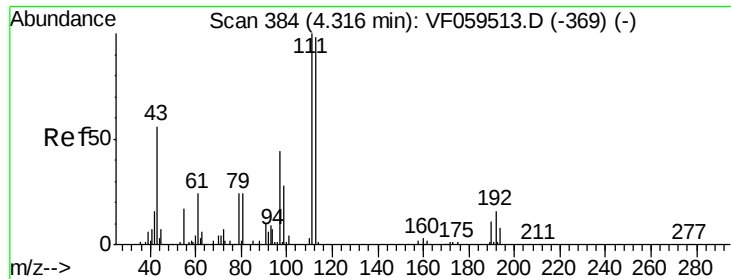
Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion:	75	Resp:	22290
Ion Ratio	Lower	Upper	
75	100		
110	30.1	14.6	43.8
77	36.3	23.7	35.5#





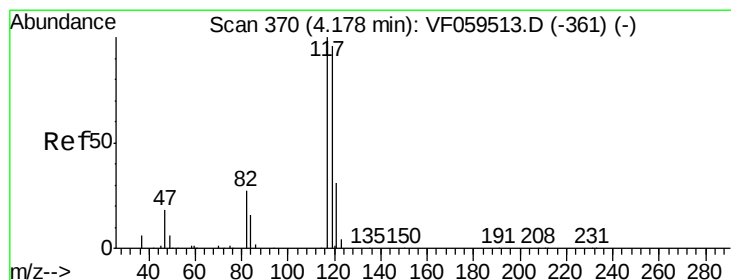
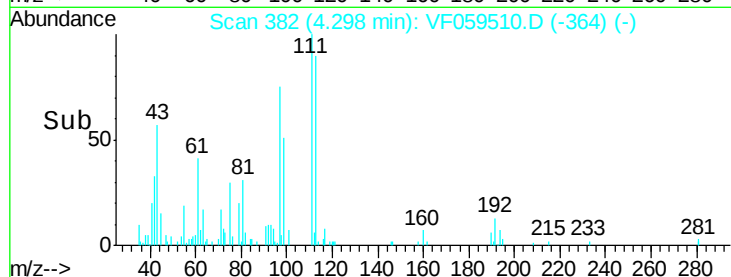
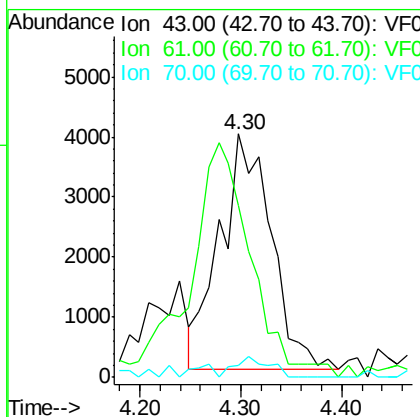
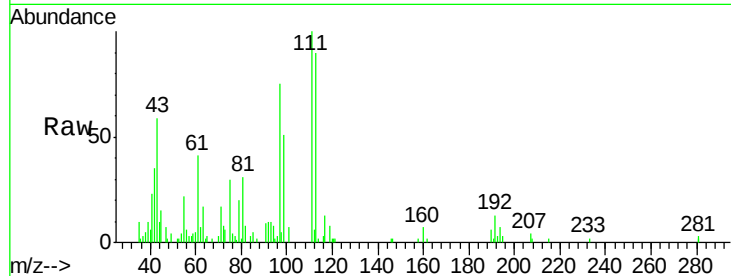
#37
Ethyl Acetate
Concen: 5.21 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
13865	100	70.4	5.0		33.7	7.4	
							11.0#

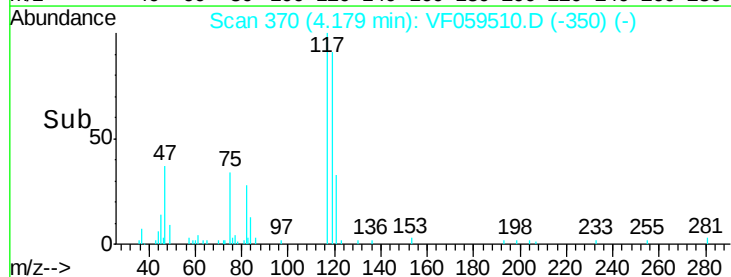
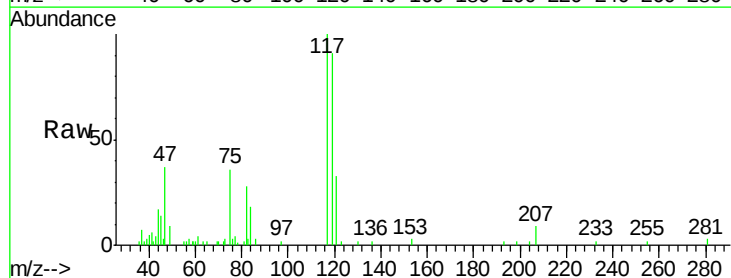
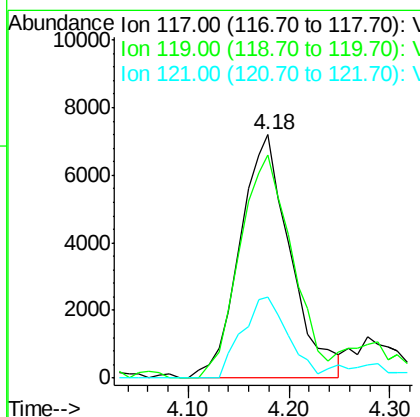
Manual Integrations
APPROVED

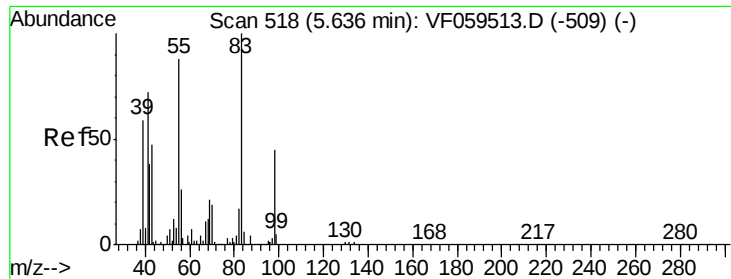
apatel
7/18/2018 3:15:57 PM



#38
Carbon Tetrachloride
Concen: 4.96 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
25025	100	91.5	33.3		77.6	24.9	
							37.3





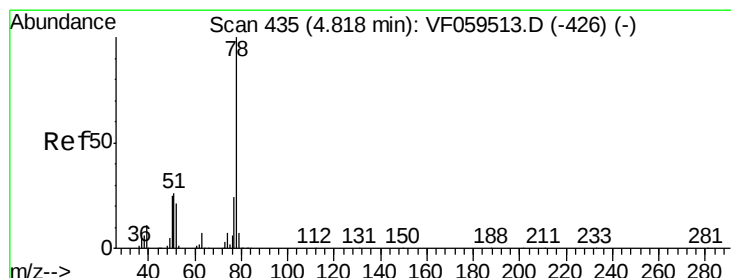
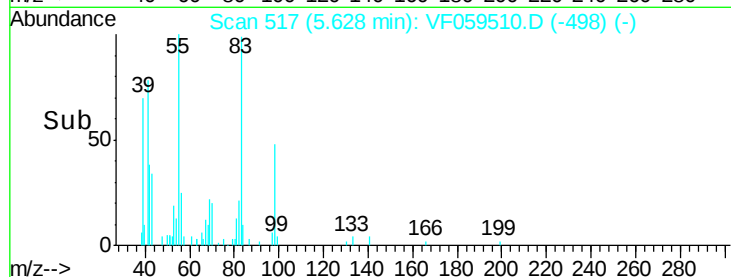
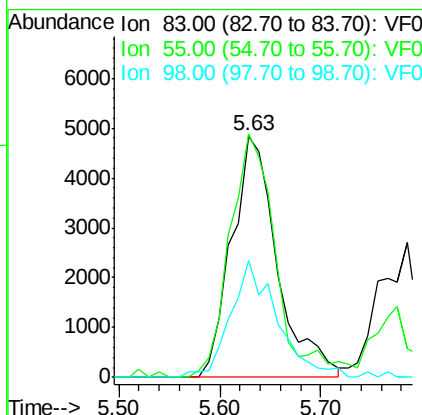
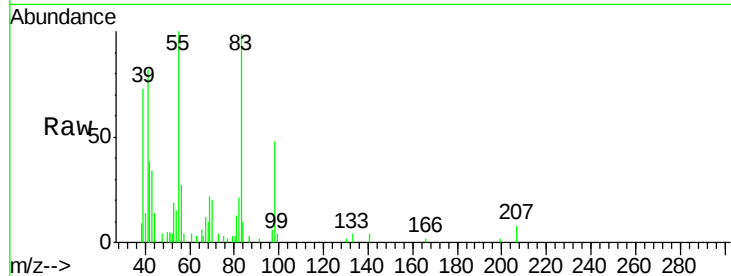
#39
Methvlcvclohexane
Concen: 4.69 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	100.8	70.2	105.4
98	48.2	36.2	54.2

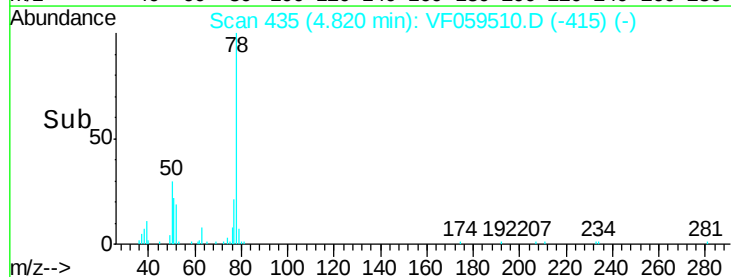
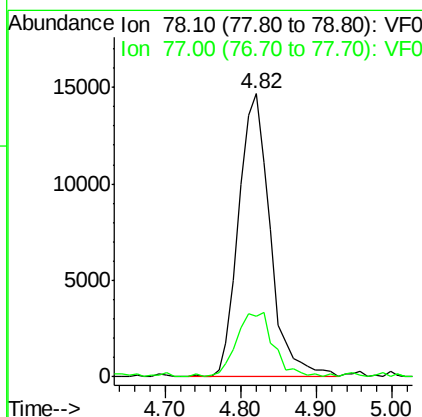
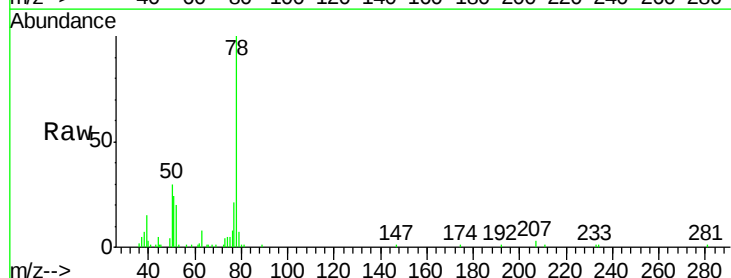
Manual Integrations
APPROVED

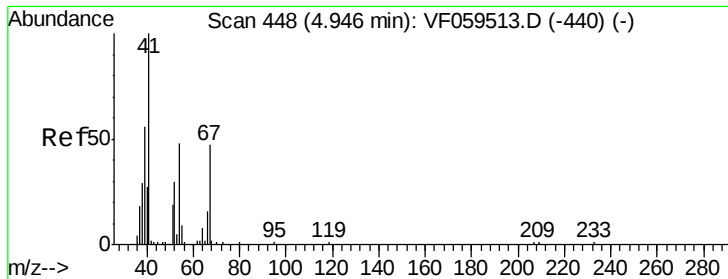
apatel
7/18/2018 3:15:57 PM



#40
Benzene
Concen: 5.04 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.4	29.0





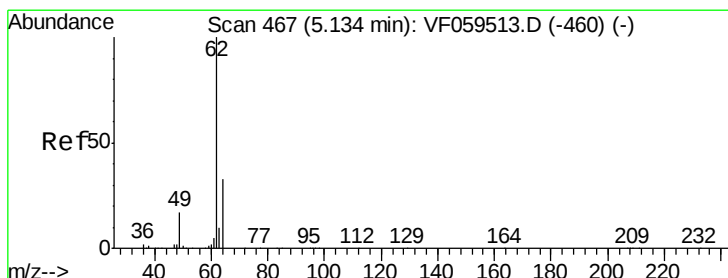
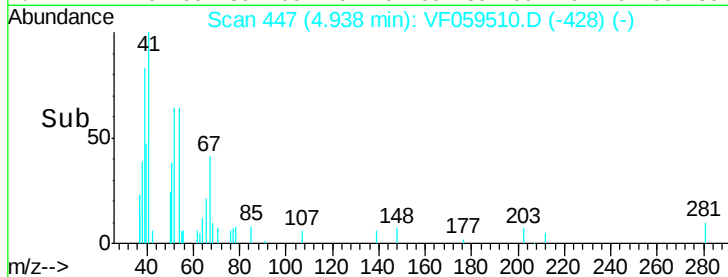
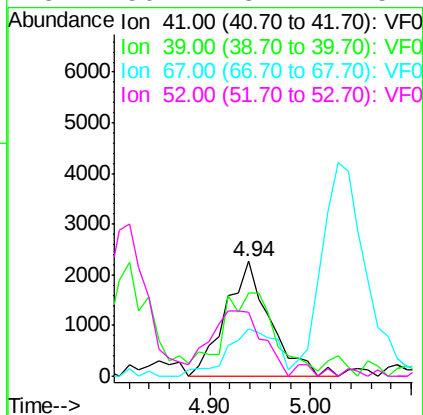
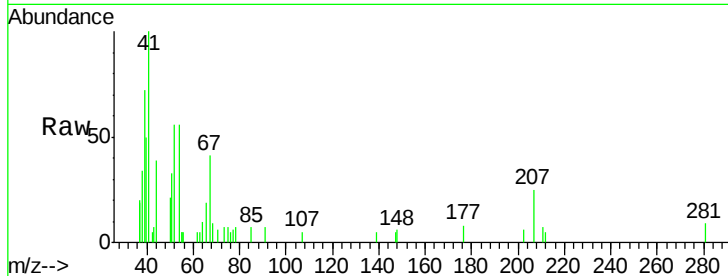
#41
Methacrylonitrile
Concen: 5.45 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	6990
Ion	Ratio	Lower	Upper
41	100		
39	71.9	49.4	74.0
67	41.1	37.4	56.2
52	56.1	32.1	48.1#

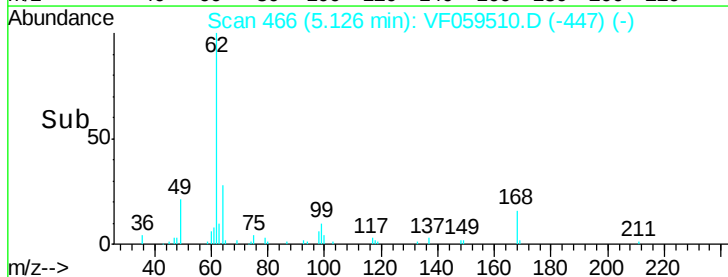
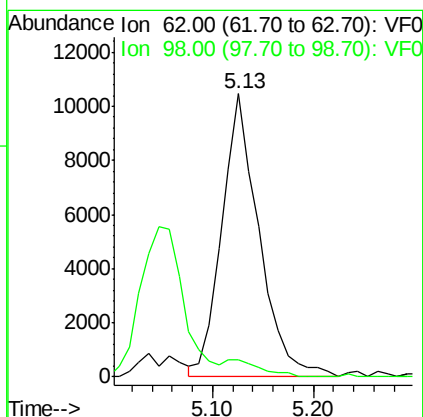
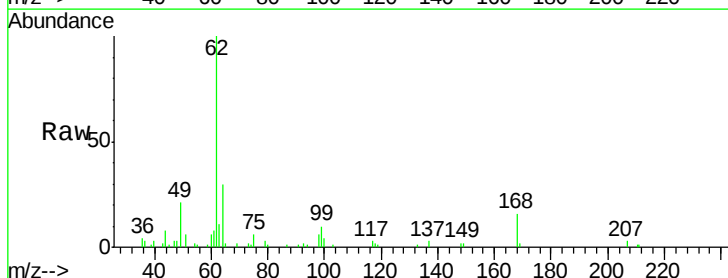
Manual Integrations
APPROVED

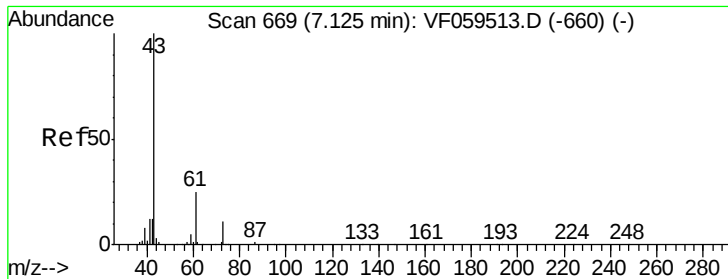
apatel
7/18/2018 3:15:57 PM



#42
1,2-Dichloroethane
Concen: 4.97 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion:	62	Resp:	26870
Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	9.6





#43

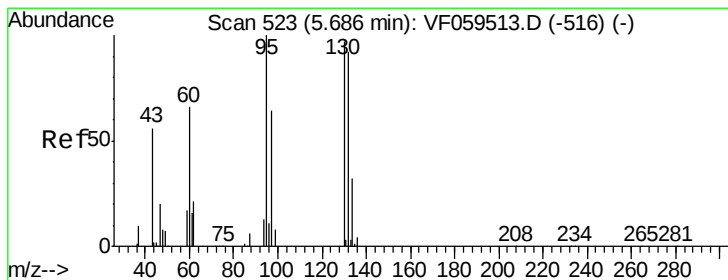
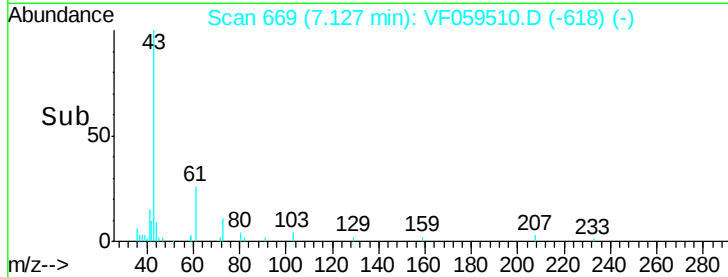
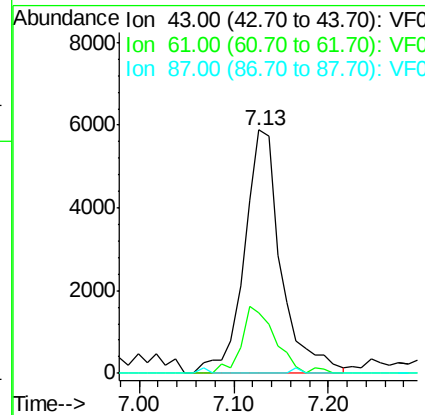
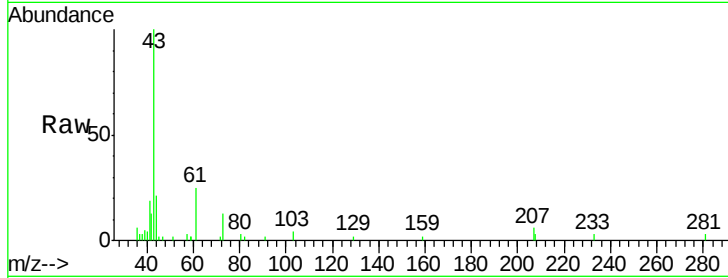
Isopropyl Acetate
 Concen: 4.97 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.3	30.5
87	0.0	0.4	0.6

Manual Integrations
 APPROVED

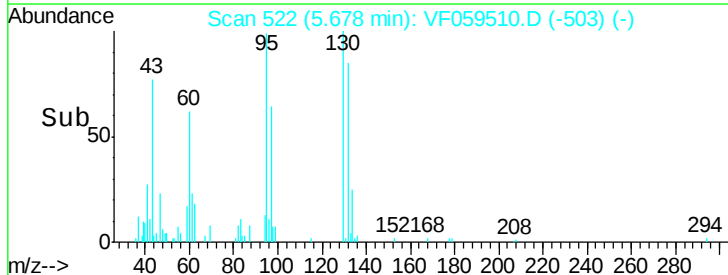
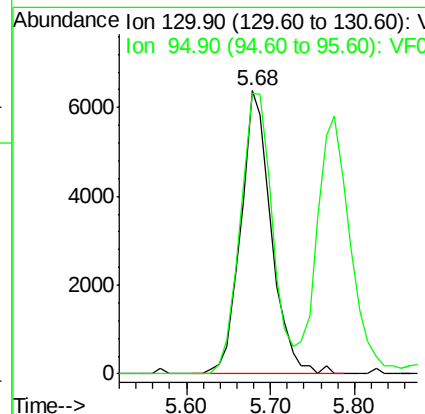
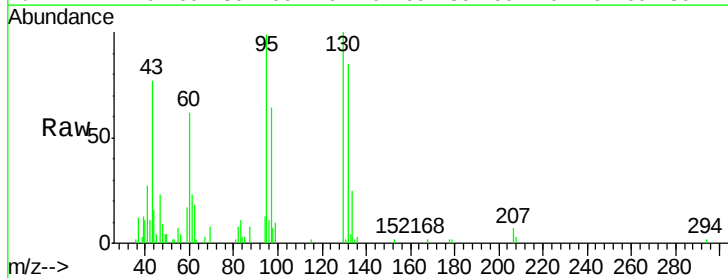
apatel
 7/18/2018 3:15:57 PM

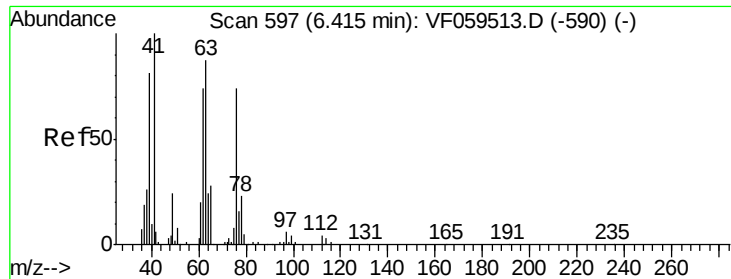


#44

Trichloroethene
 Concen: 5.29 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	206.6





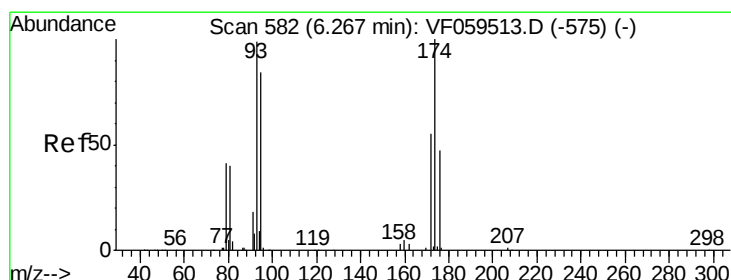
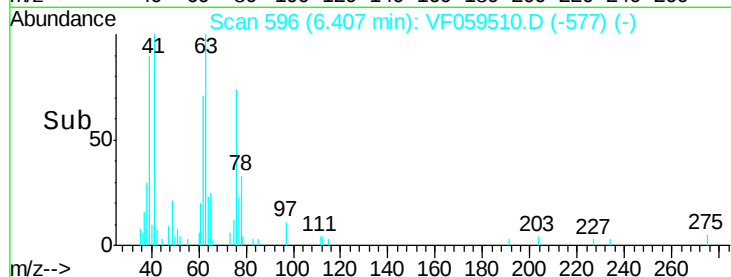
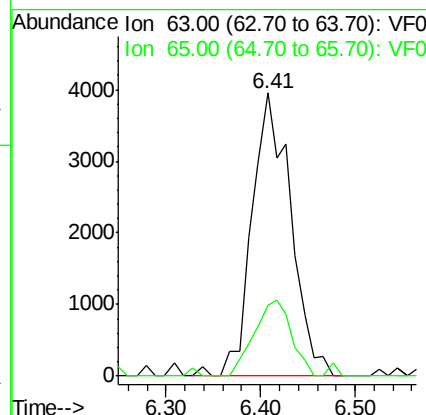
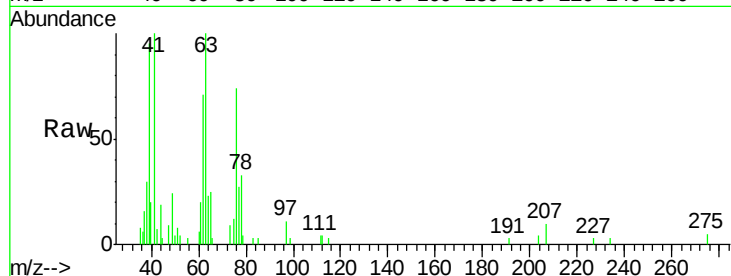
#45
 1,2-Dichloropropane
 Concen: 4.69 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11237
 Ion Ratio Lower Upper
 63 100
 65 27.8 26.1 39.1

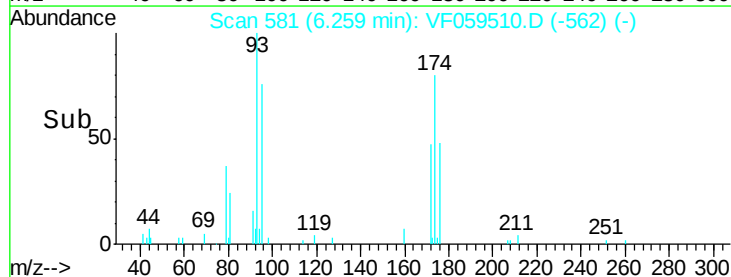
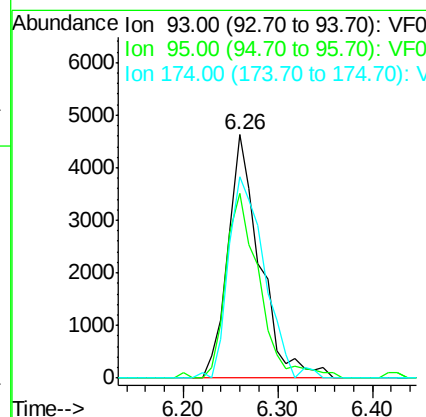
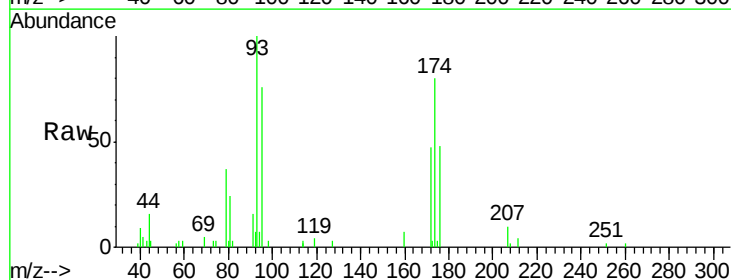
Manual Integrations
 APPROVED

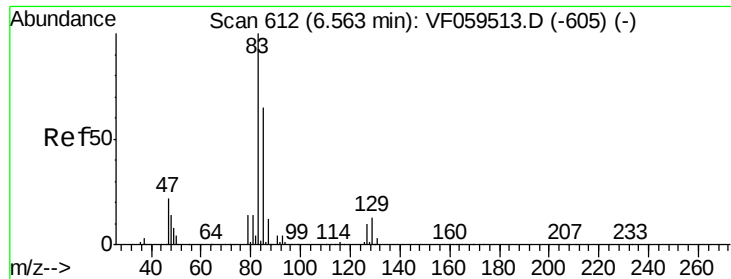
apatel
 7/18/2018 3:15:57 PM



#46
 Dibromomethane
 Concen: 5.06 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion: 93 Resp: 10830
 Ion Ratio Lower Upper
 93 100
 95 76.1 68.3 102.5
 174 82.9 81.2 121.8





#47

Bromodichloromethane

Concen: 4.73 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

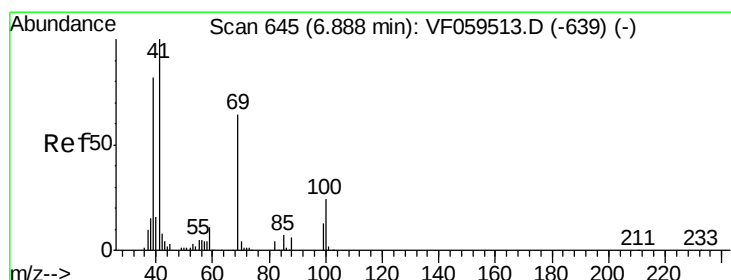
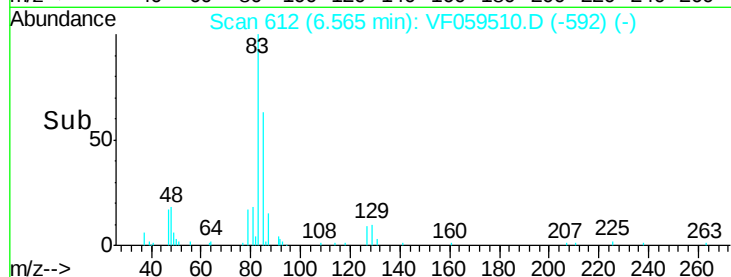
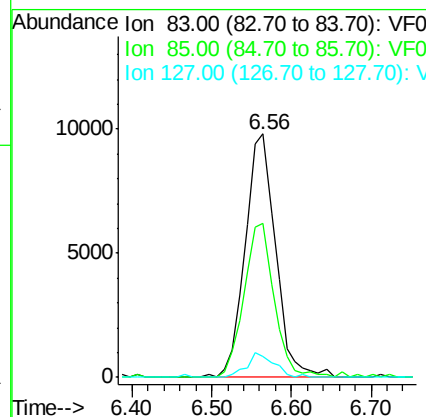
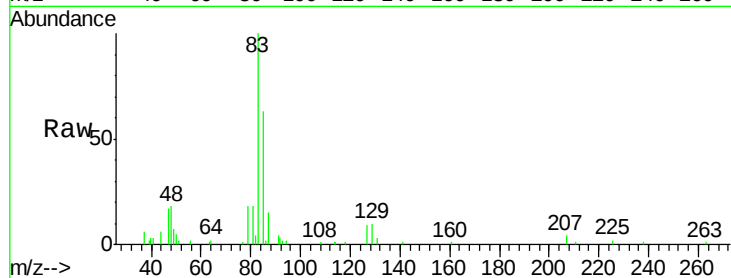
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	25863
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.4	78.6
127	8.7	8.2	12.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:15:57 PM



#48

Methyl methacrylate

Concen: 5.08 ug/l

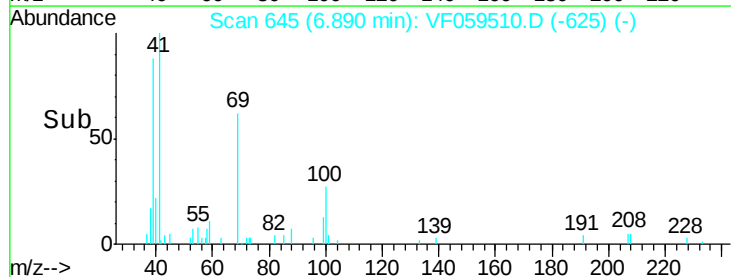
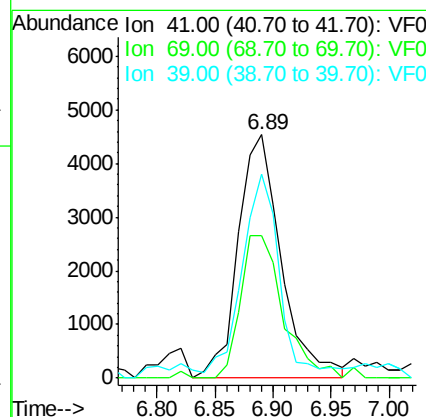
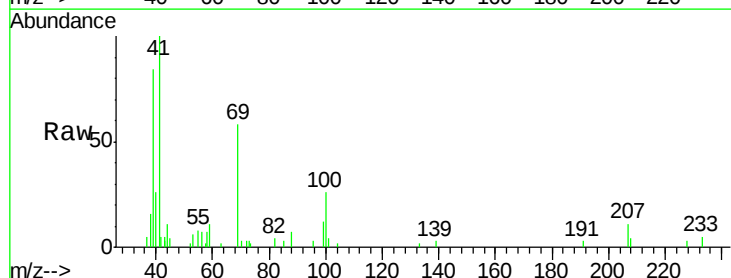
RT: 6.89 min Scan# 645

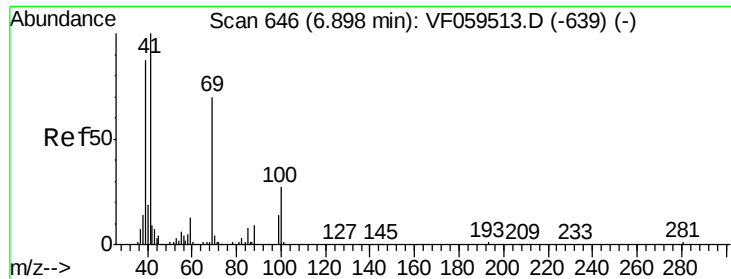
Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion:	41	Resp:	11676
Ion Ratio	Lower	Upper	
41	100		
69	58.5	51.3	76.9
39	83.8	65.3	97.9





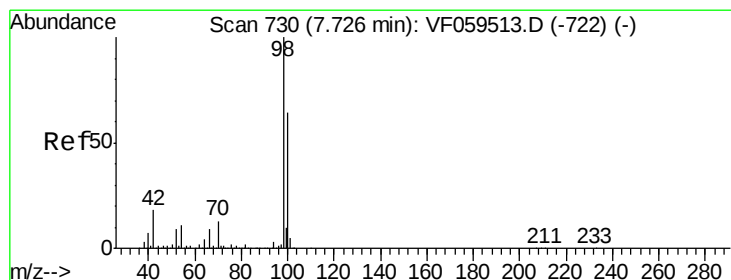
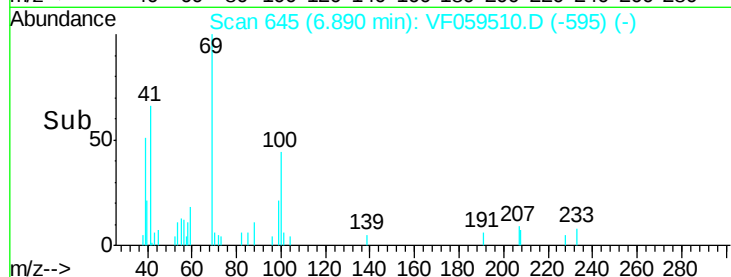
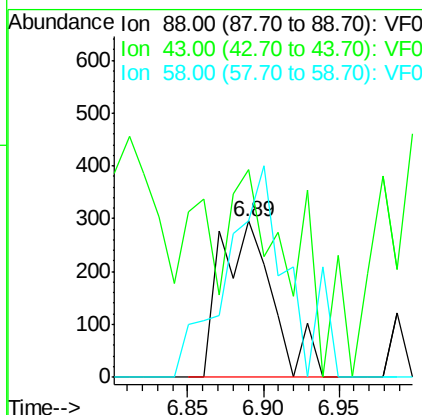
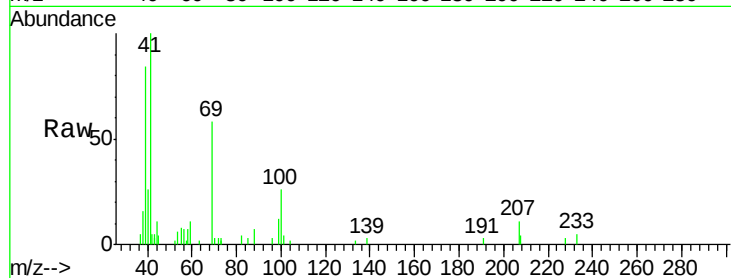
#49
1,4-Dioxane
Concen: 67.86 ug/l
RT: 6.89 min Scan# 645
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	132.8	64.8	97.2#
58	100.3	44.1	66.1#

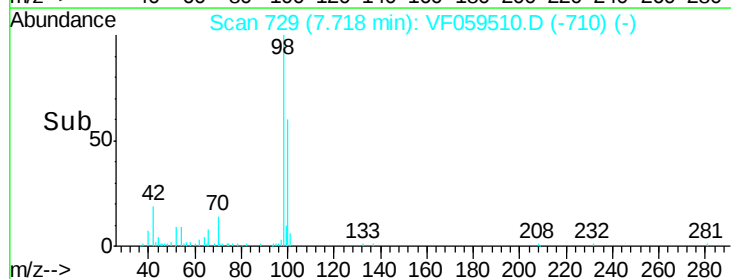
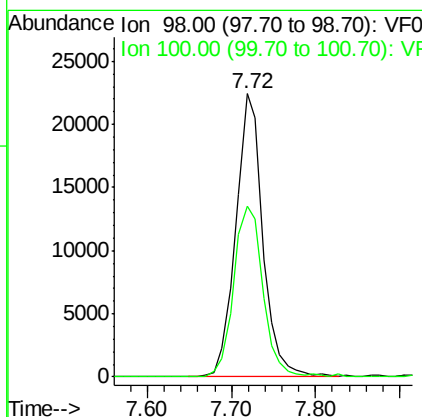
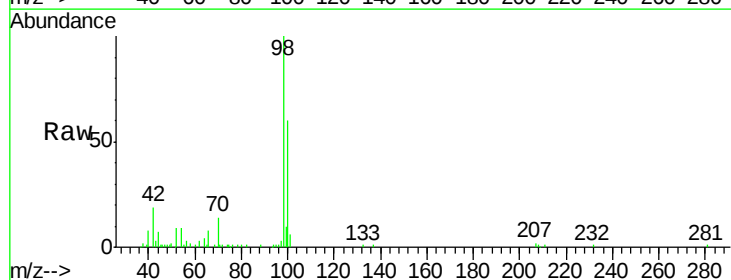
Manual Integrations
APPROVED

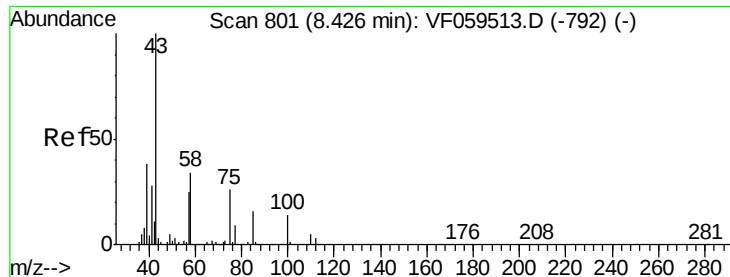
apatel
7/18/2018 3:15:57 PM



#50
Toluene-d8
Concen: 5.46 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	60.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 26.41 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 59044

Ion Ratio Lower Upper

43 100

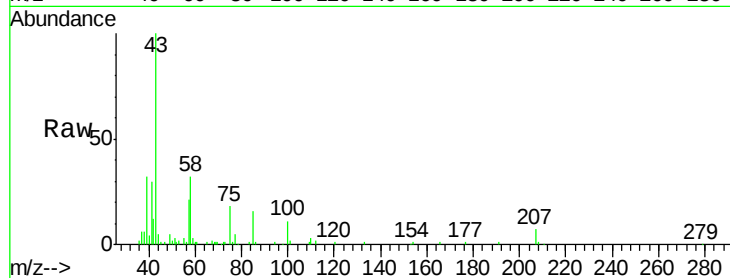
58 32.4 27.4 41.2

Manual Integrations

APPROVED

apatel

7/18/2018 3:15:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

25000

20000

15000

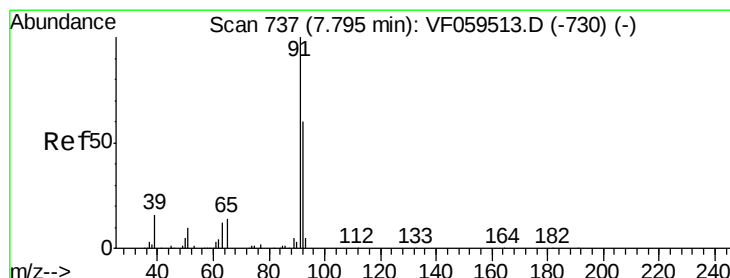
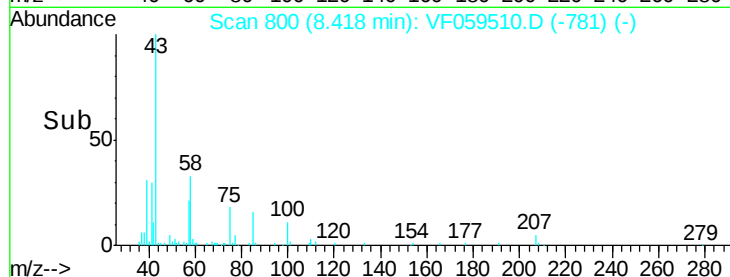
10000

5000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 5.17 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059510.D

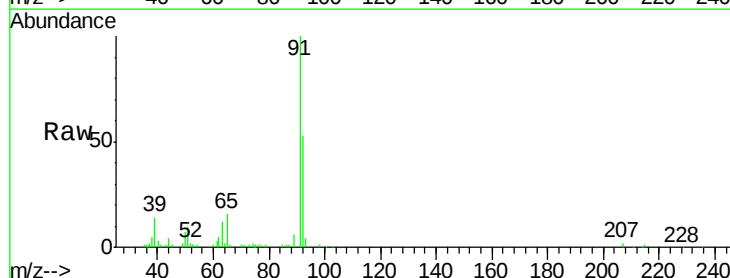
Acq: 17 Jul 2018 16:38

Tgt Ion: 92 Resp: 31381

Ion Ratio Lower Upper

92 100

91 189.5 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

30000

25000

20000

15000

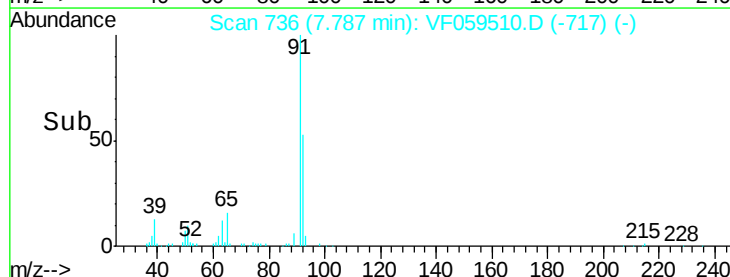
10000

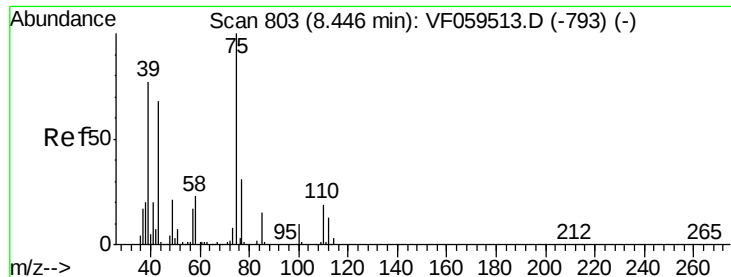
5000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.16 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 24935

Ion Ratio Lower Upper

75 100

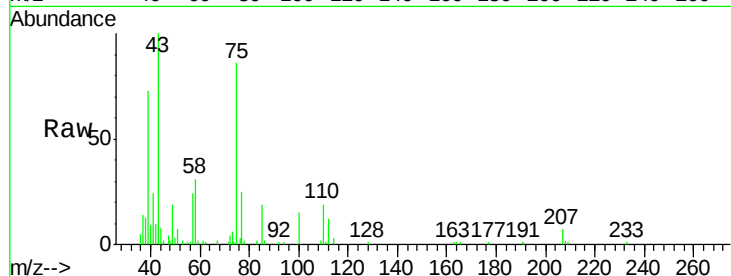
77 29.4 25.3 37.9

Manual Integrations

APPROVED

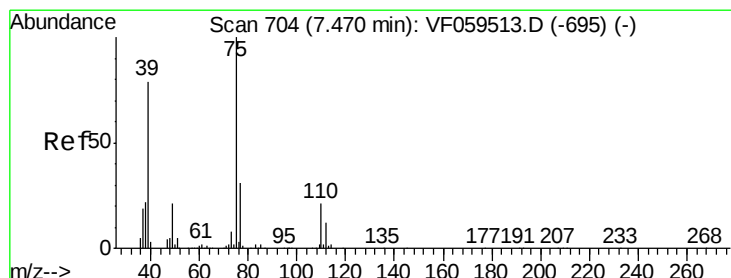
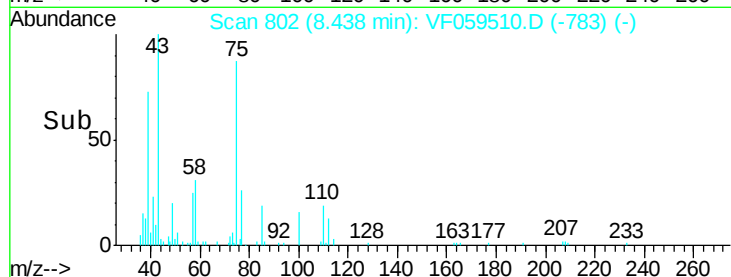
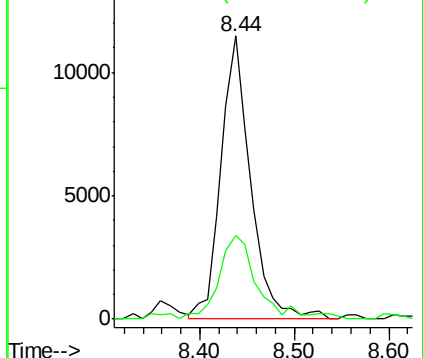
apatel

7/18/2018 3:15:57 PM



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 4.78 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

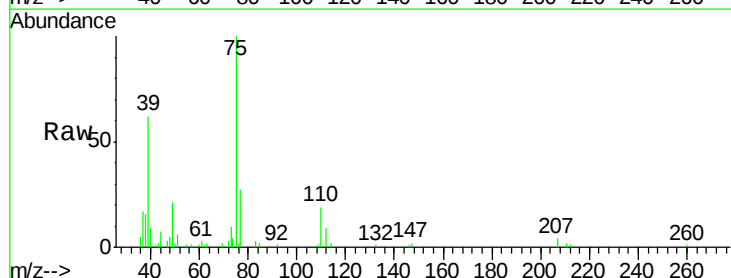
Tgt Ion: 75 Resp: 23958

Ion Ratio Lower Upper

75 100

77 26.8 25.0 37.6

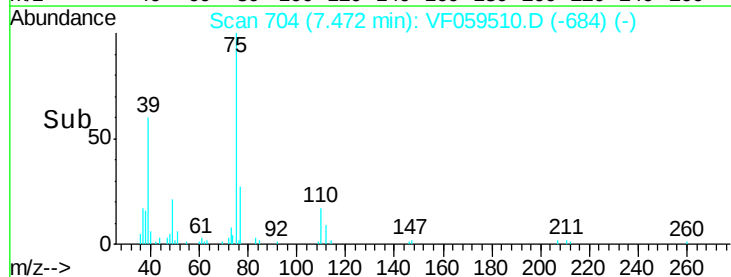
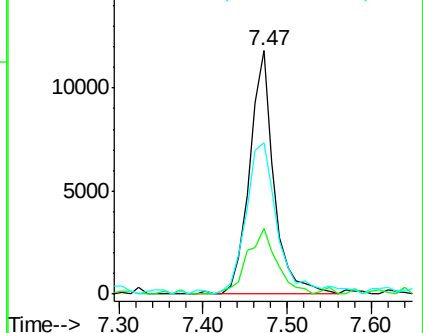
39 62.3 63.8 95.6#

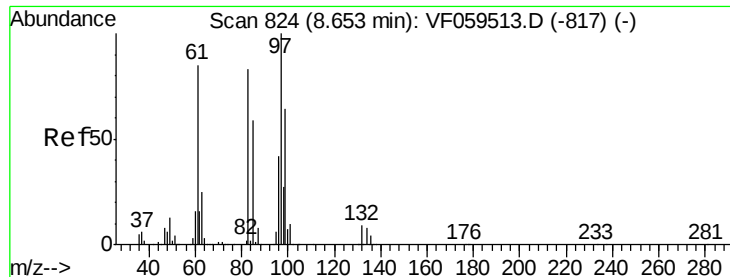


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 4.57 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

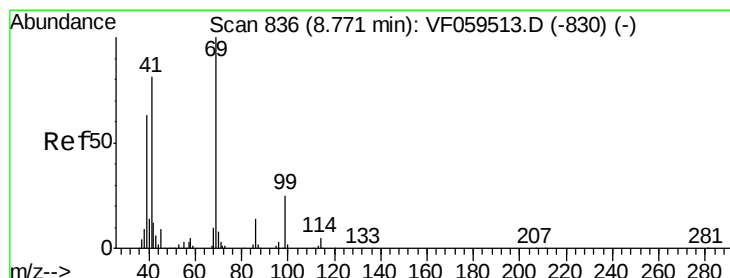
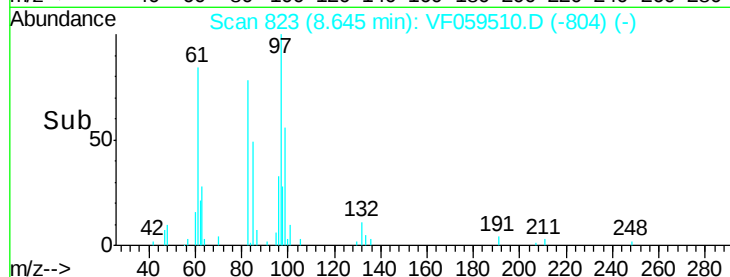
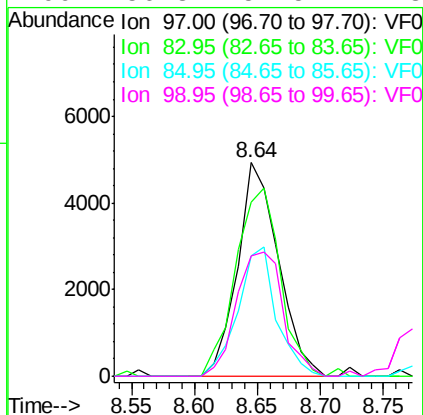
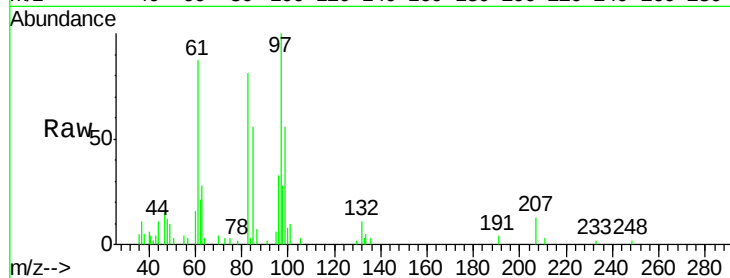
VSTDIC005

Tot Ion:	97	Resp:	11058
Ion	Ratio	Lower	Upper
97	100		
83	81.3	66.9	100.3
85	56.4	46.9	70.3
99	56.3	51.5	77.3

Manual Integrations
APPROVED

apatel

7/18/2018 3:15:57 PM



#56

Ethyl methacrylate

Concen: 4.60 ug/l

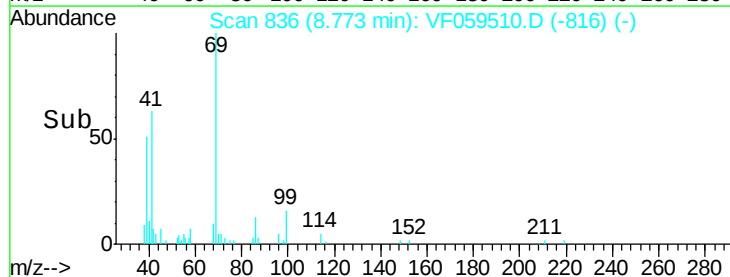
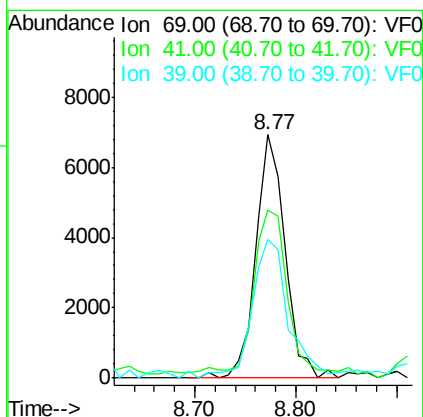
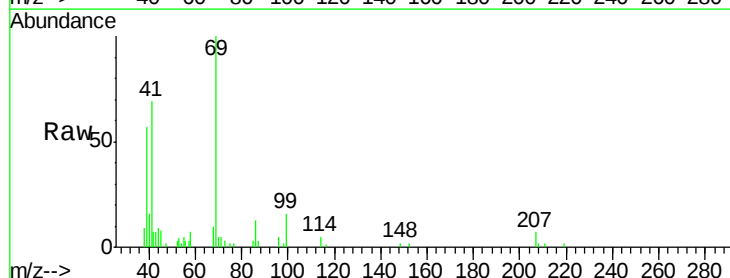
RT: 8.77 min Scan# 836

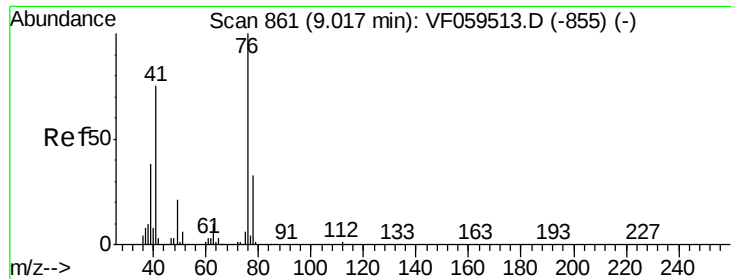
Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion:	69	Resp:	14025
Ion	Ratio	Lower	Upper
69	100		
41	68.8	65.4	98.2
39	56.8	51.0	76.4





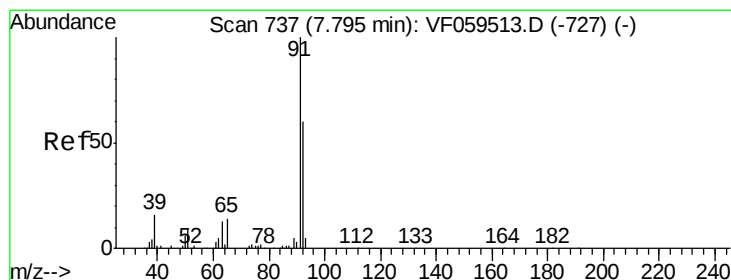
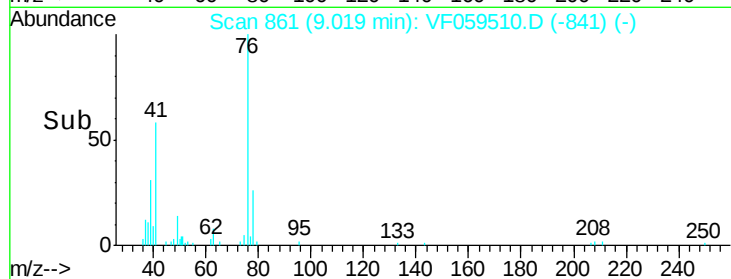
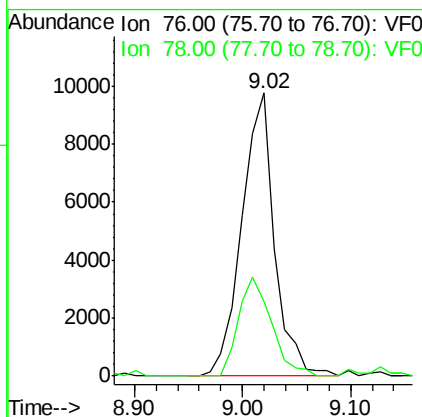
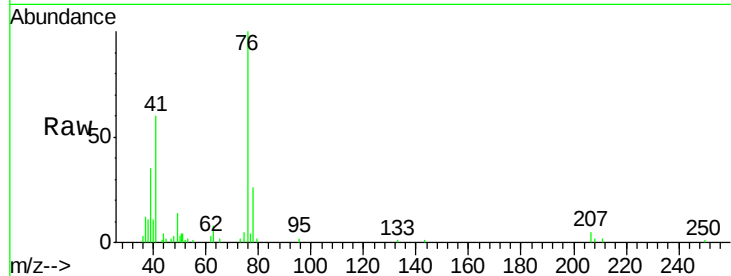
#57
 1,3-Dichloropropane
 Concen: 4.98 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	26.5	26.4	39.6

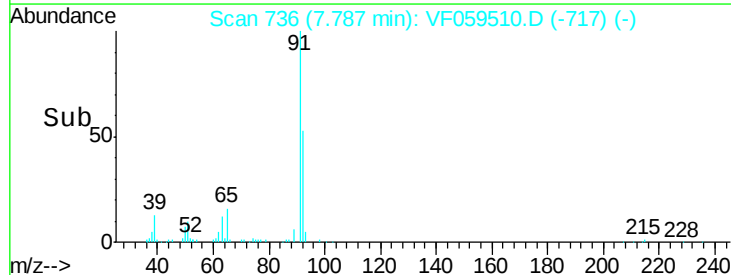
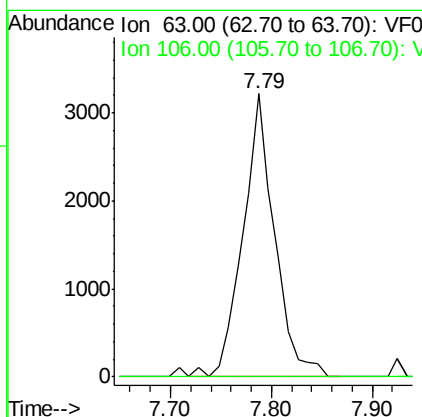
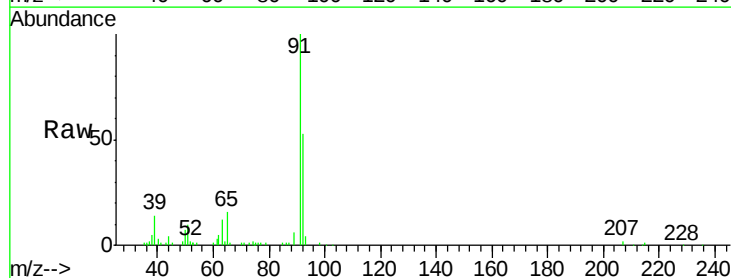
Manual Integrations
 APPROVED

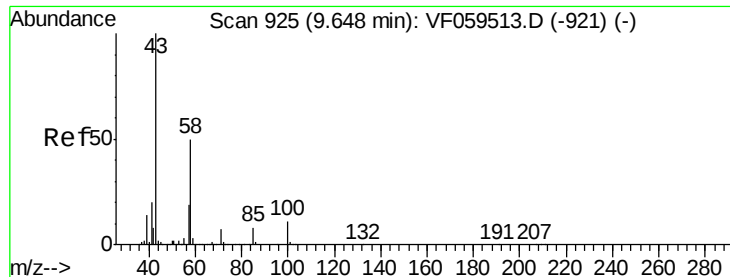
apatel
 7/18/2018 3:15:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.73 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





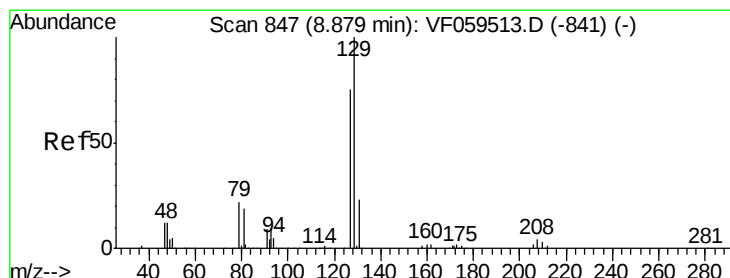
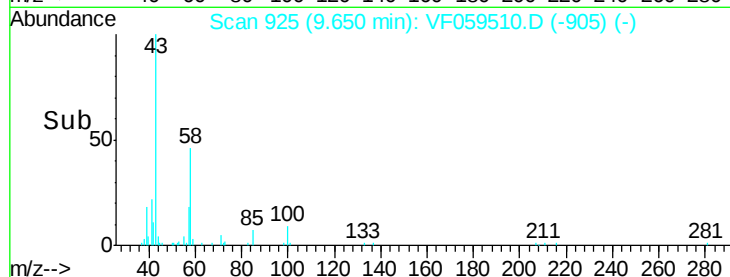
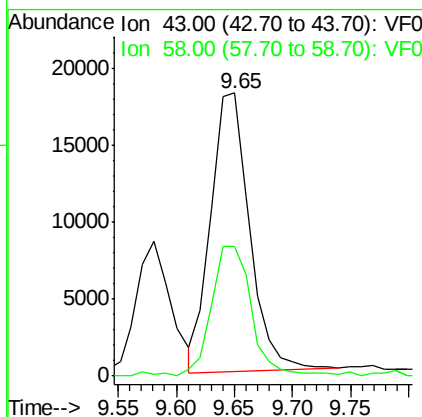
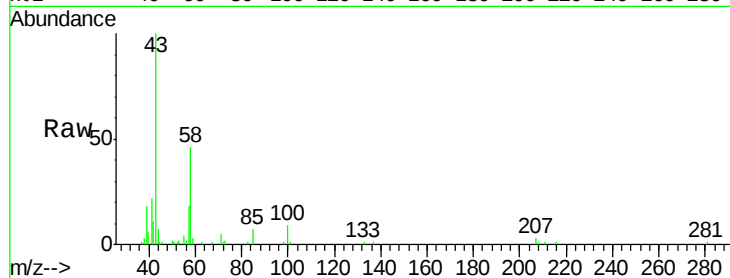
#59
2-Hexanone
Concen: 23.88 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 41881
Ion Ratio Lower Upper
43 100
58 45.9 23.3 69.9

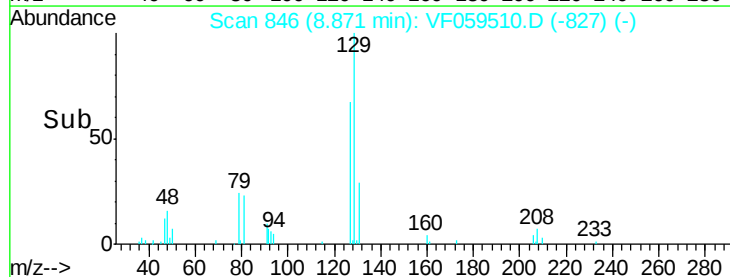
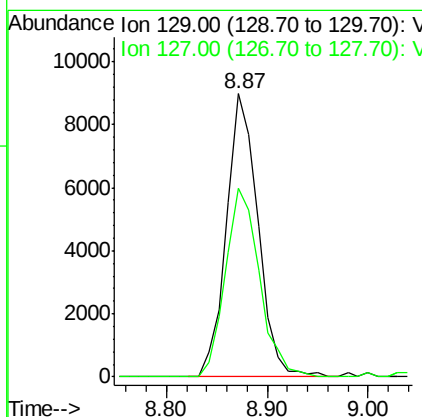
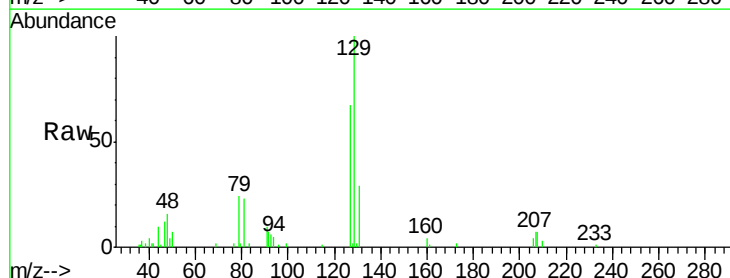
Manual Integrations
APPROVED

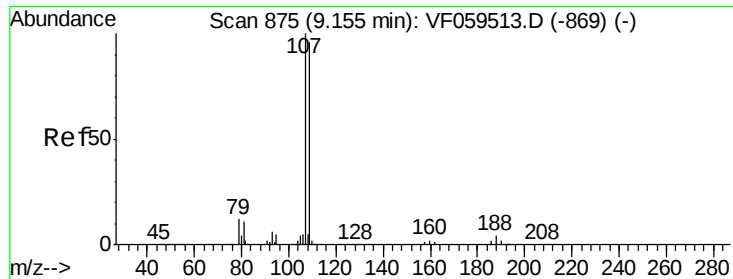
apatel
7/18/2018 3:15:57 PM



#60
Dibromochloromethane
Concen: 4.98 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion: 129 Resp: 19555
Ion Ratio Lower Upper
129 100
127 66.7 37.6 112.8





#61

1,2-Dibromoethane

Concen: 5.11 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 14970

Ion Ratio Lower Upper

107 100

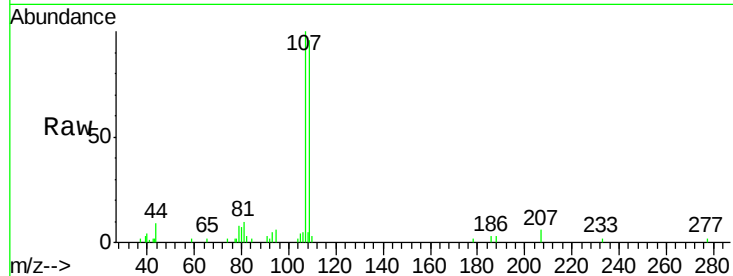
109 98.5 76.5 114.7

Manual Integrations

APPROVED

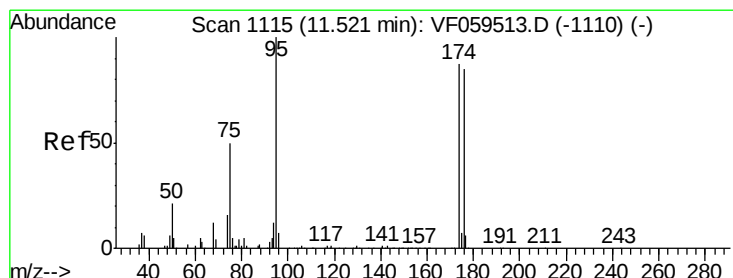
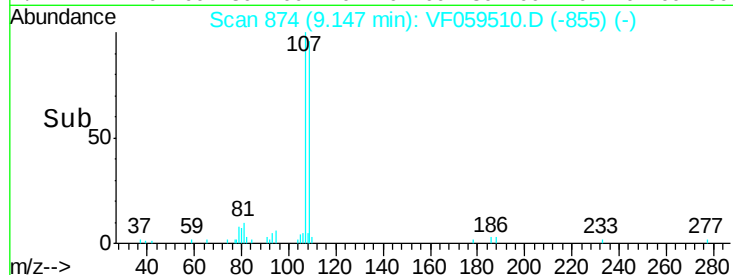
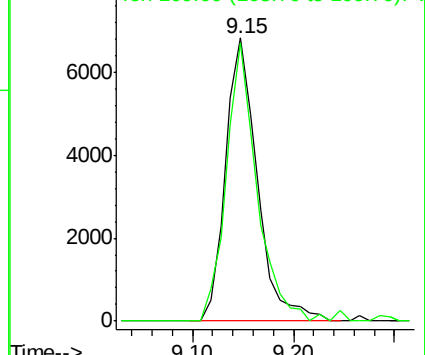
apatel

7/18/2018 3:15:57 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.20 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

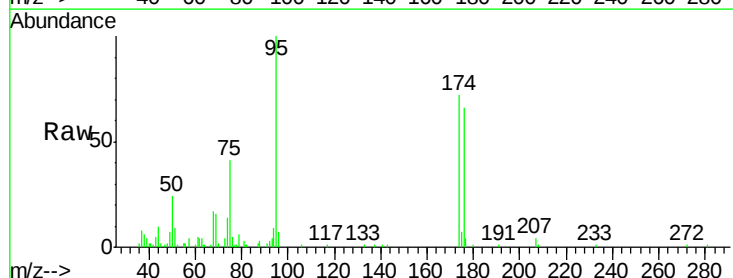
Tgt Ion: 95 Resp: 25340

Ion Ratio Lower Upper

95 100

174 71.7 0.0 174.4

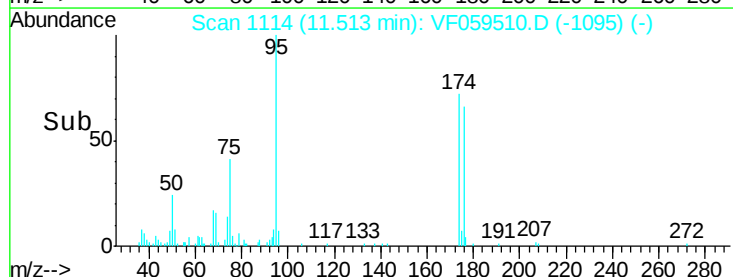
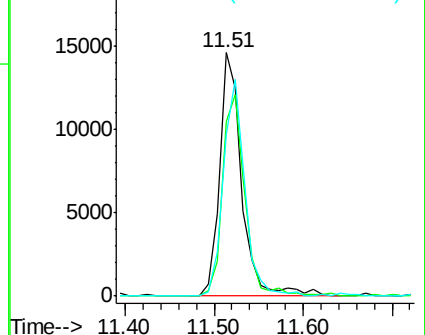
176 66.3 0.0 169.4

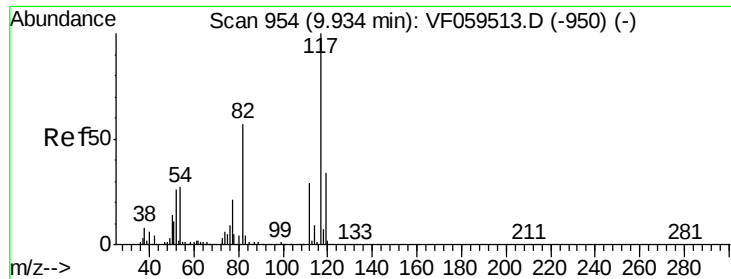


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





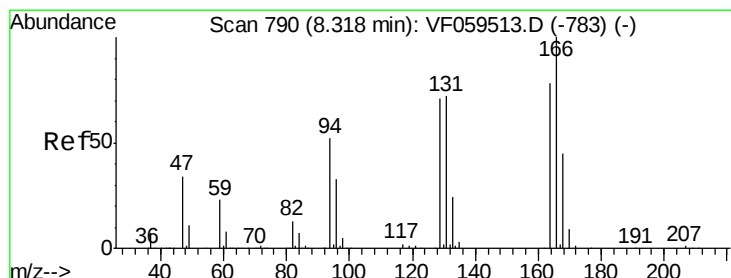
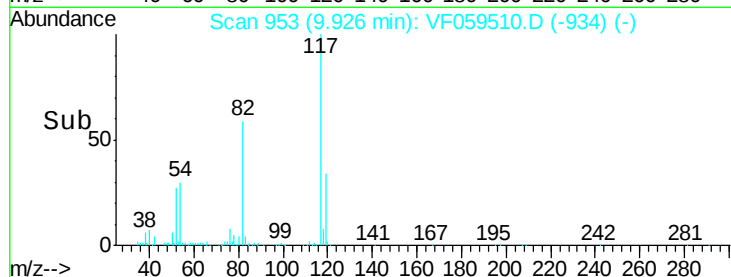
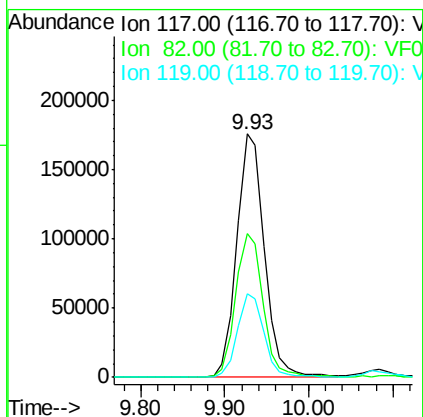
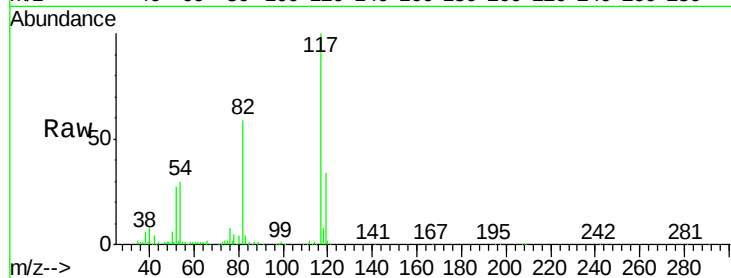
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	404222		
82	58.9		46.1	69.1
119	34.3		27.2	40.8

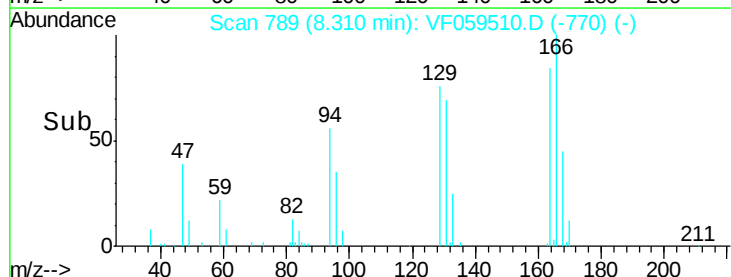
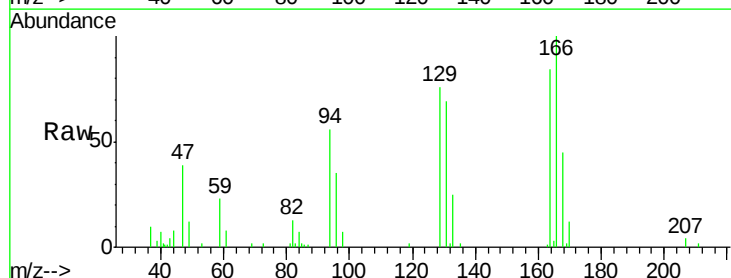
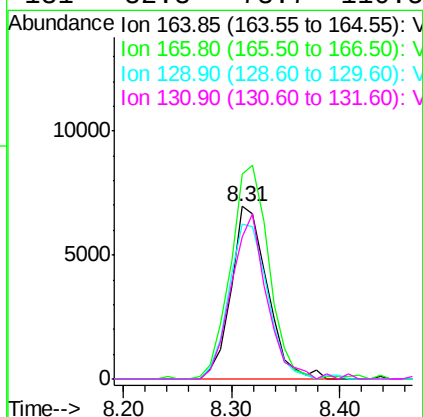
Manual Integrations
APPROVED

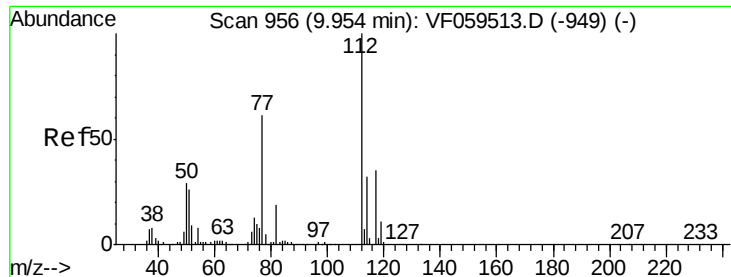
apatel
7/18/2018 3:15:57 PM



#64
Tetrachloroethene
Concen: 5.10 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16248		
166	118.6		102.3	153.5
129	90.2		72.4	108.6
131	82.3		73.7	110.5





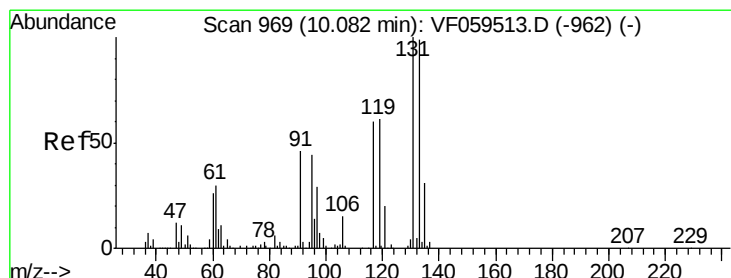
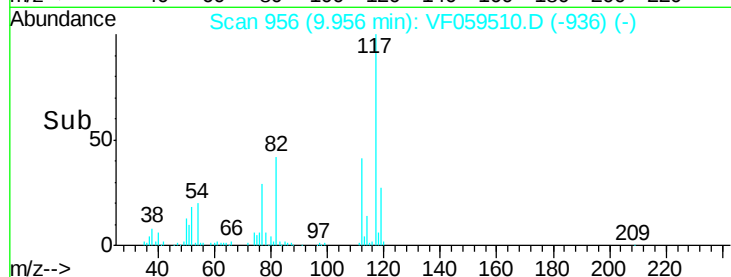
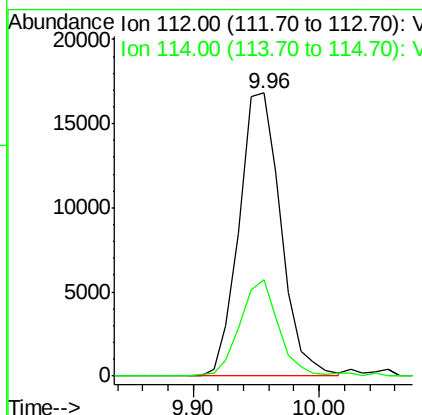
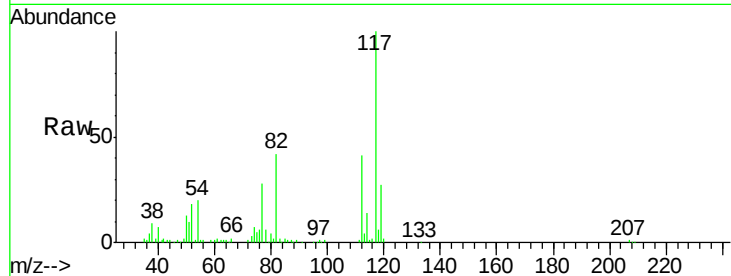
#65
Chlorobenzene
Concen: 5.08 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	25.4	38.2

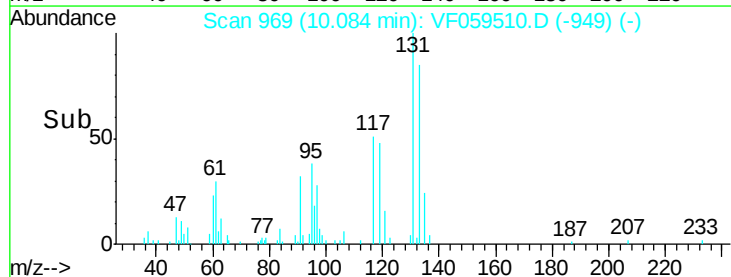
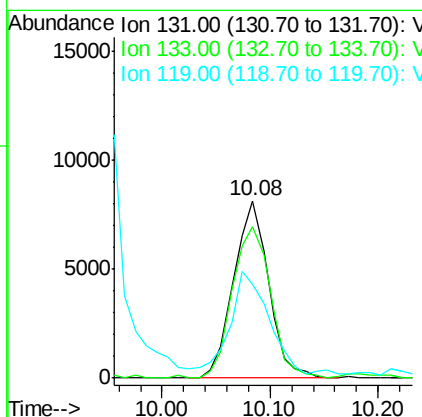
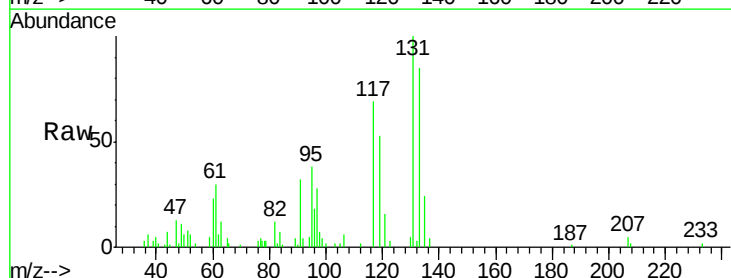
Manual Integrations
APPROVED

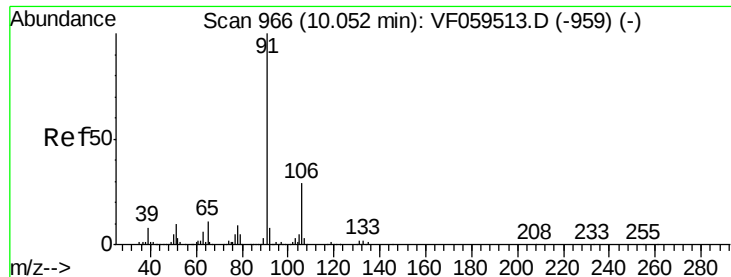
apatel
7/18/2018 3:15:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.30 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	85.5	49.6	148.8
119	52.7	31.4	94.3





#67

Ethyl Benzene

Concen: 5.33 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 72317

Ion Ratio Lower Upper

91 100

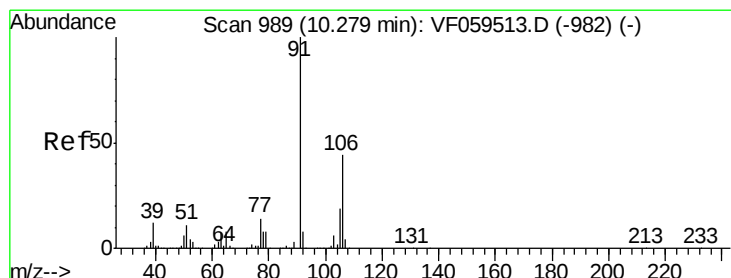
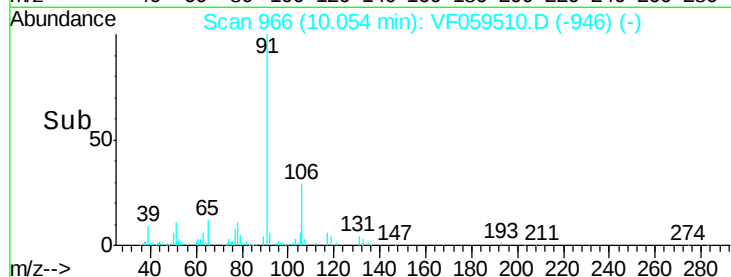
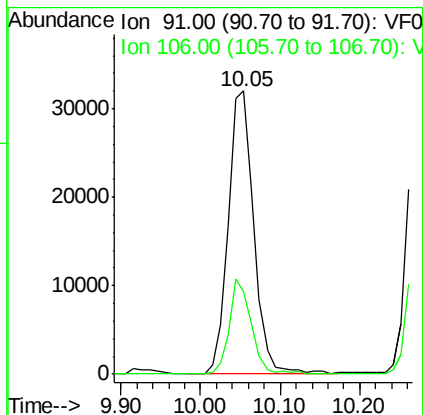
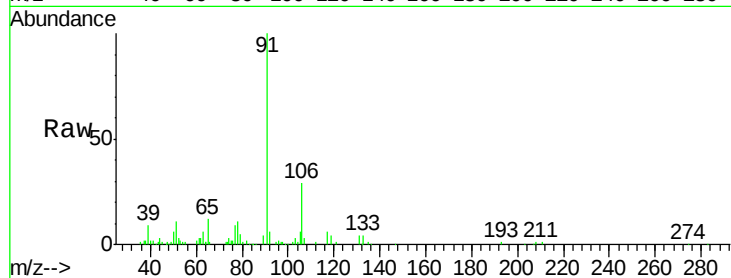
106 29.1 23.4 35.2

Manual Integrations

APPROVED

apatel

7/18/2018 3:15:57 PM



#68

m/p-Xylenes

Concen: 10.73 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059510.D

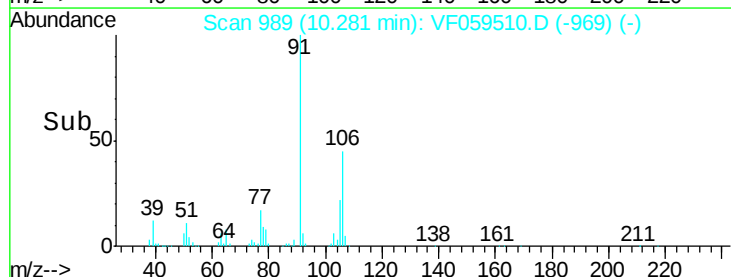
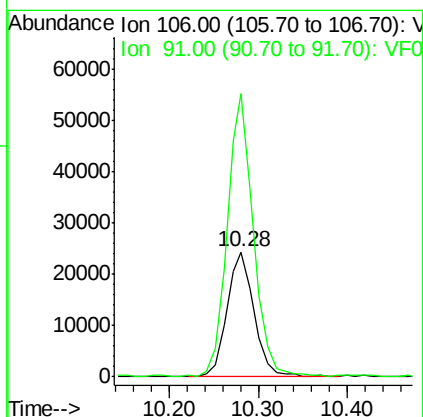
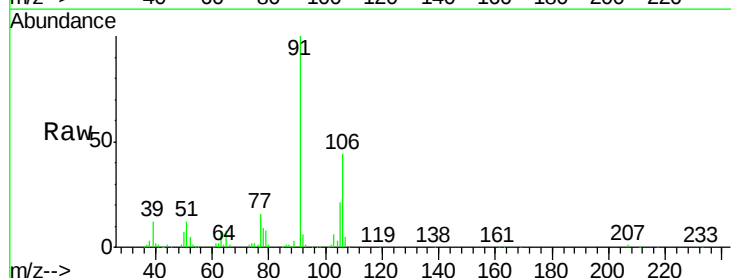
Acq: 17 Jul 2018 16:38

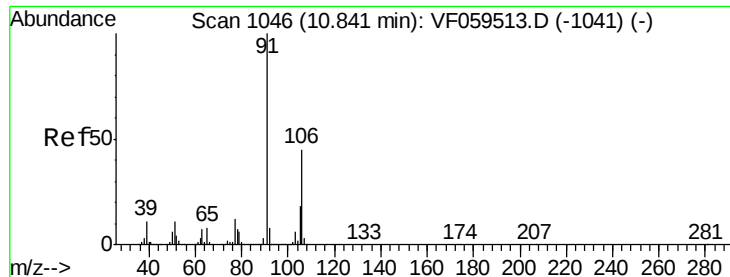
Tgt Ion: 106 Resp: 52157

Ion Ratio Lower Upper

106 100

91 226.3 181.0 271.4





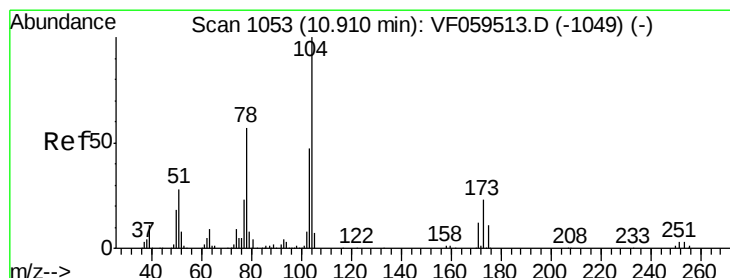
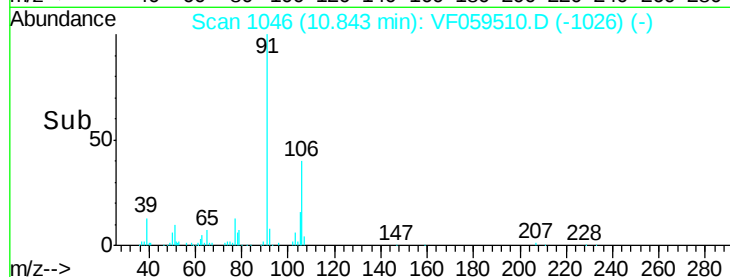
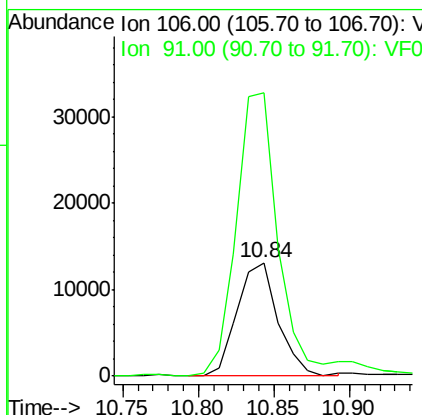
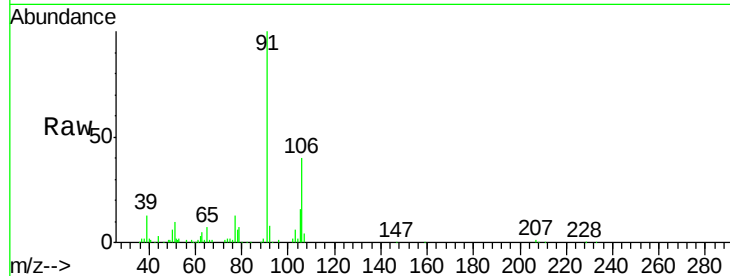
#69
o-Xylene
Concen: 4.93 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 24885
Ion Ratio Lower Upper
106 100
91 249.6 112.3 336.9

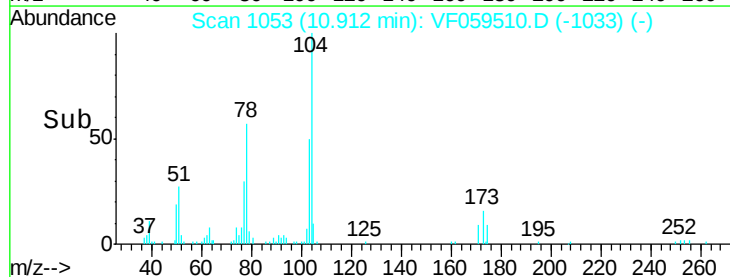
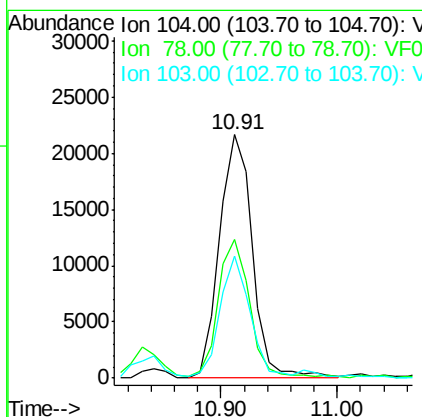
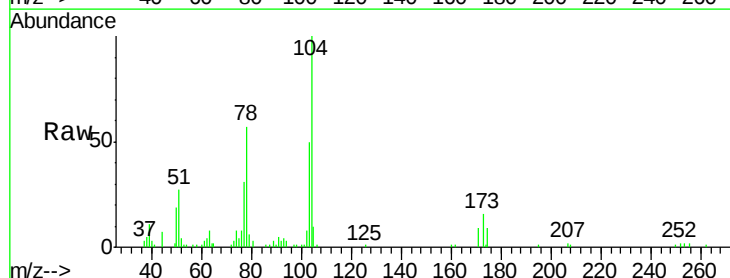
Manual Integrations
APPROVED

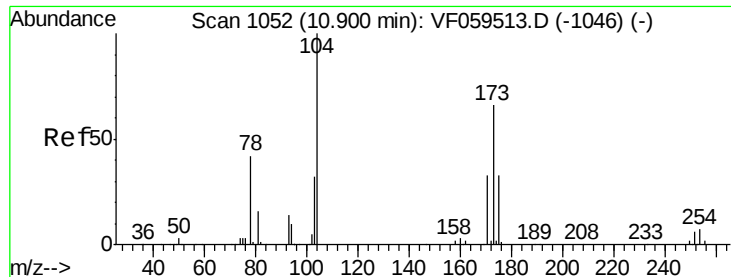
apatel
7/18/2018 3:15:57 PM



#70
Styrene
Concen: 5.32 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion:104 Resp: 42499
Ion Ratio Lower Upper
104 100
78 56.7 45.7 68.5
103 49.9 38.1 57.1





#71

Bromoform

Concen: 4.68 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 11741

Ion Ratio Lower Upper

173 100

175 47.9 25.3 75.8

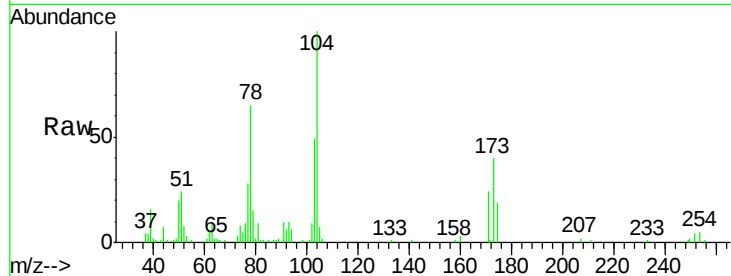
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

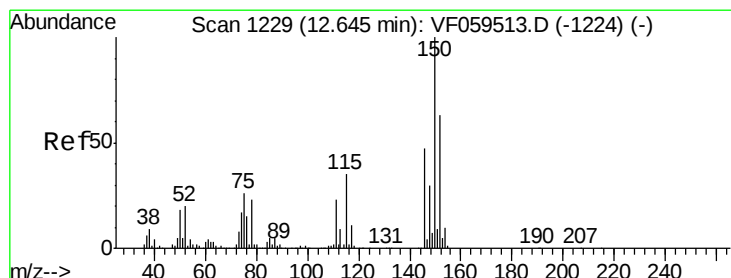
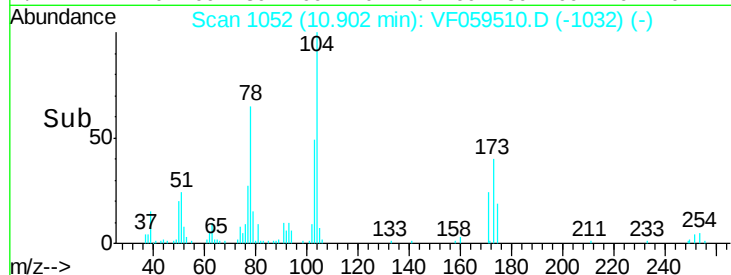
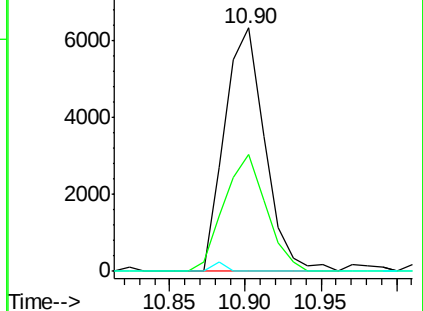
7/18/2018 3:15:57 PM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

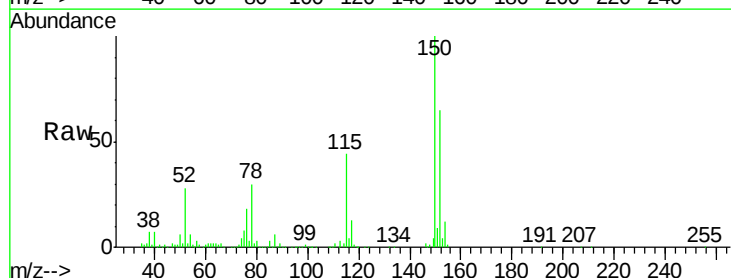
Tgt Ion:152 Resp: 237648

Ion Ratio Lower Upper

152 100

115 67.5 27.8 83.3

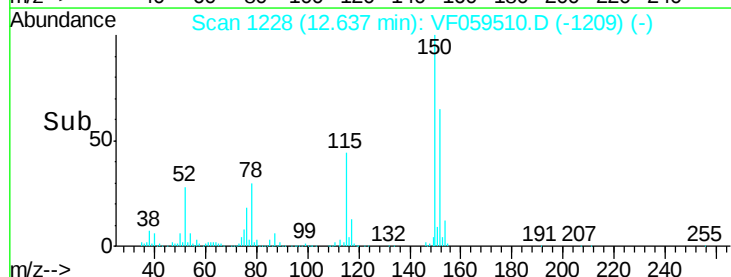
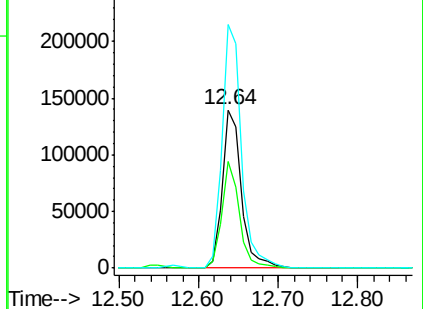
150 153.7 0.0 318.4

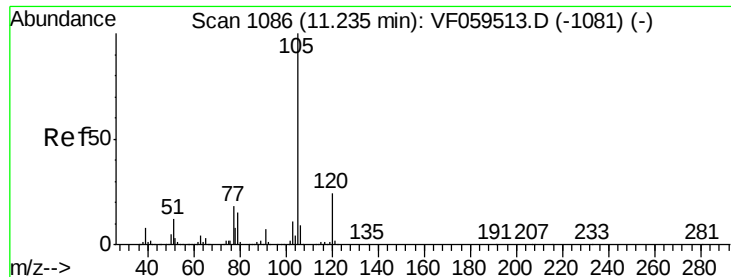


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 5.18 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 78559

Ion Ratio Lower Upper

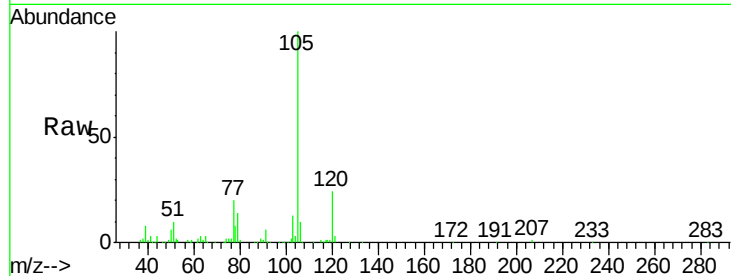
105 100

120 23.8 12.0 36.0

Manual Integrations
APPROVED

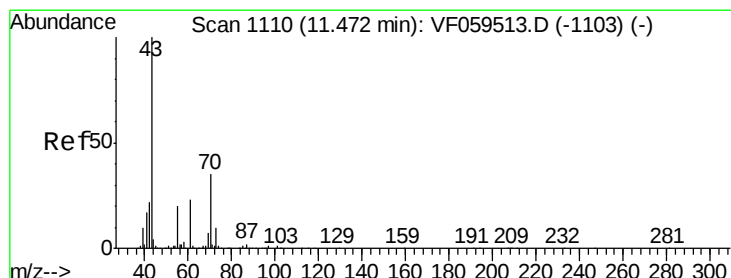
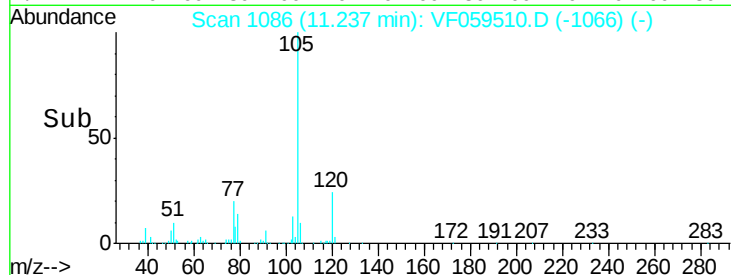
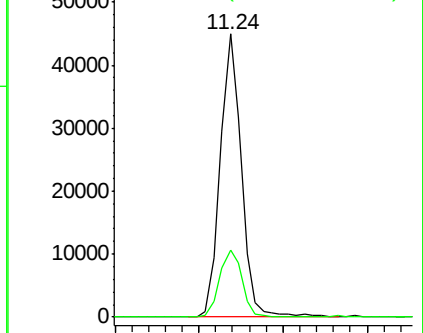
apatel

7/18/2018 3:15:57 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.54 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion: 43 Resp: 24425

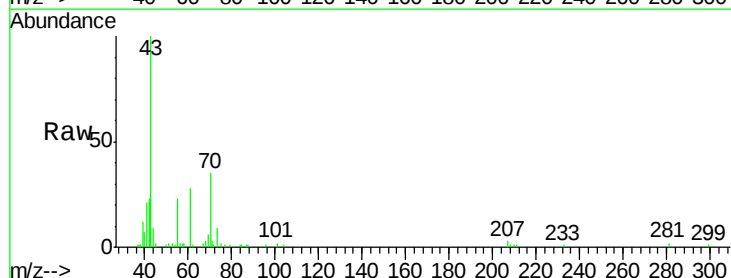
Ion Ratio Lower Upper

43 100

70 35.2 27.9 41.9

55 23.3 16.2 24.2

61 28.0 18.6 27.8#

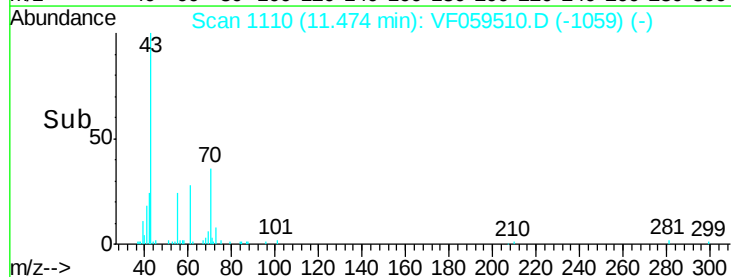
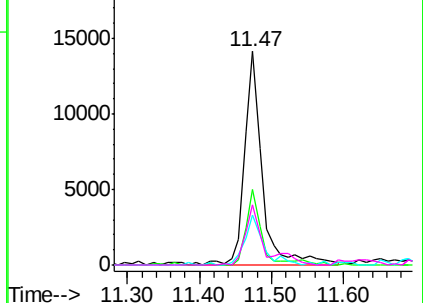


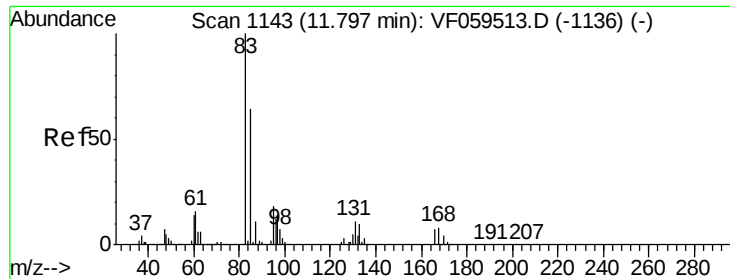
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.60 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

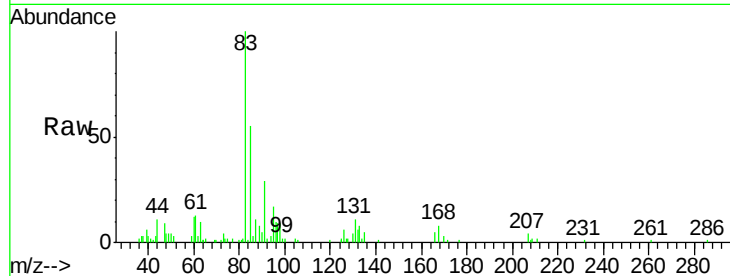
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	18621
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.1
85	55.4	31.9	95.9

Manual Integrations
APPROVED

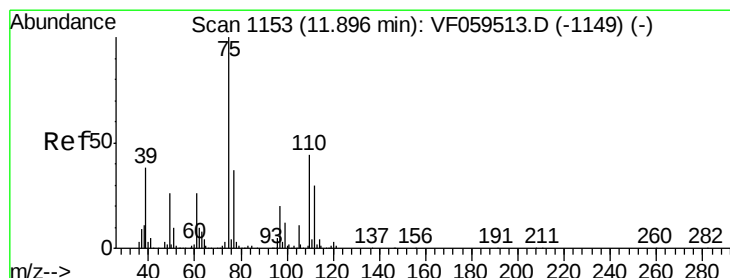
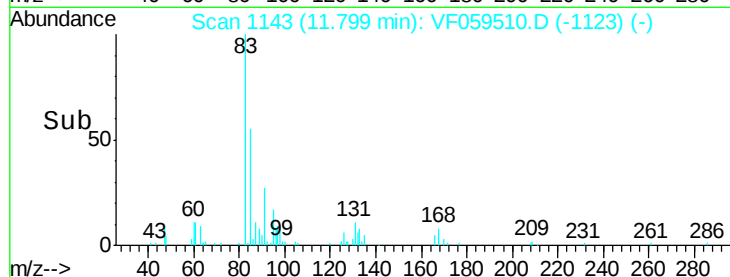
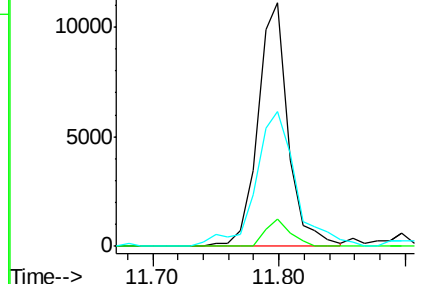
apatel
7/18/2018 3:15:57 PM



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: 5.25 ug/l

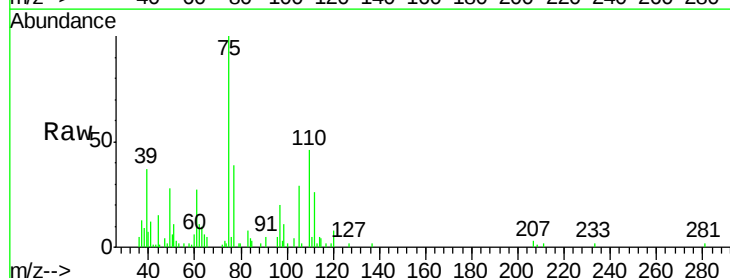
RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059510.D

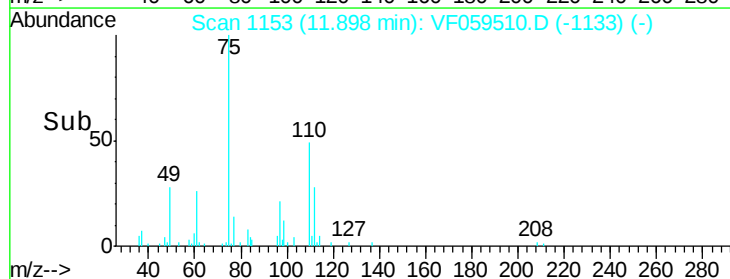
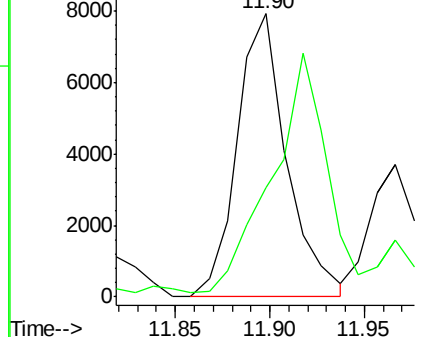
Acq: 17 Jul 2018 16:38

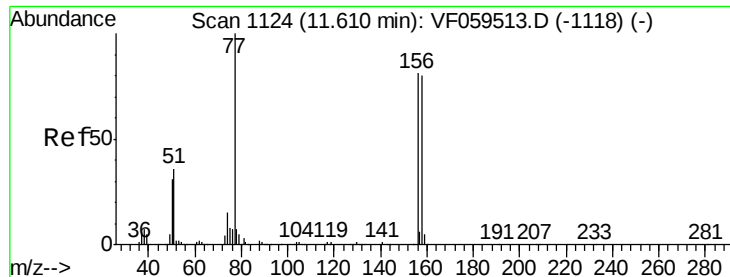
Tgt Ion:	75	Resp:	14390
Ion Ratio	Lower	Upper	
75	100		
77	38.6	18.7	56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.23 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 22353

Ion Ratio Lower Upper

156 100

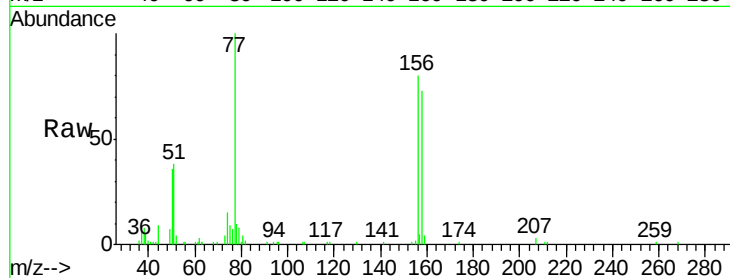
77 125.4 62.0 186.0

158 91.4 49.8 149.3

Manual Integrations
APPROVED

apatel

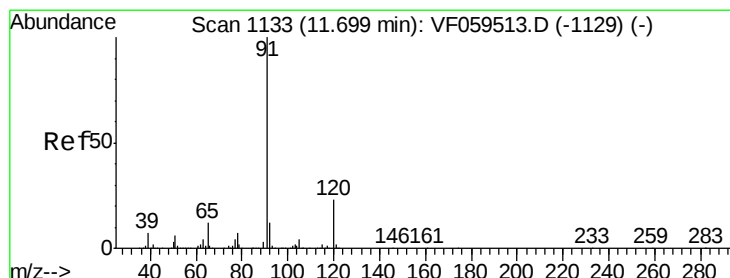
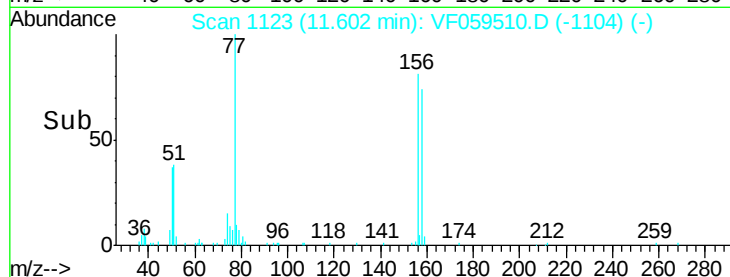
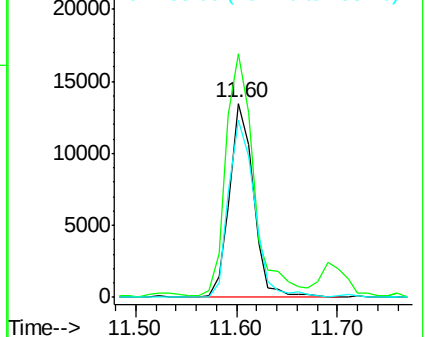
7/18/2018 3:15:57 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 5.26 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059510.D

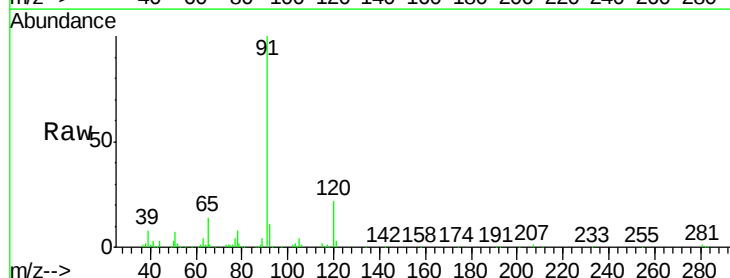
Acq: 17 Jul 2018 16:38

Tgt Ion: 91 Resp: 92327

Ion Ratio Lower Upper

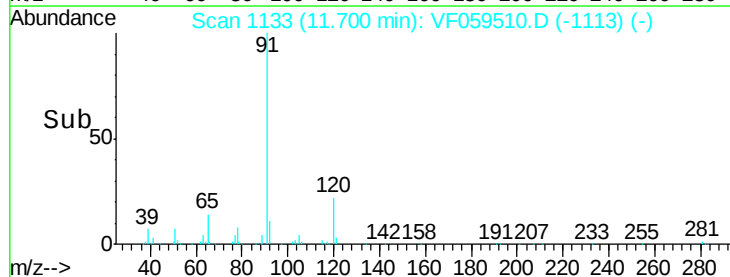
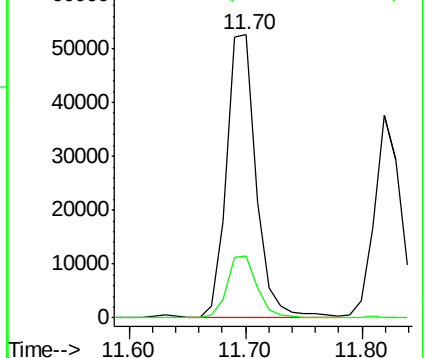
91 100

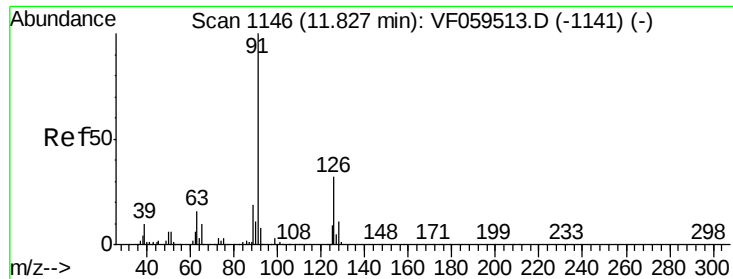
120 21.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





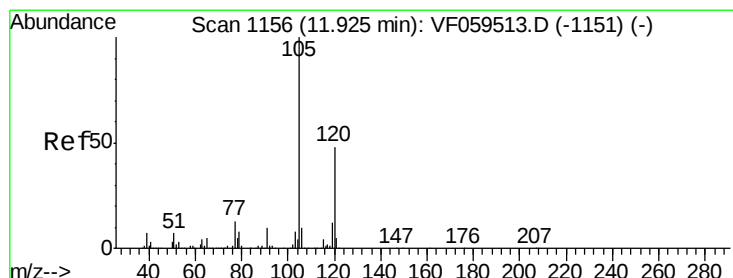
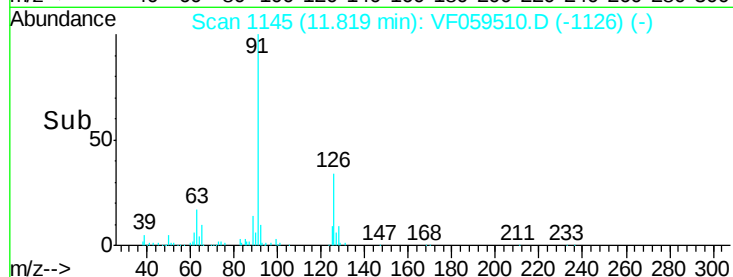
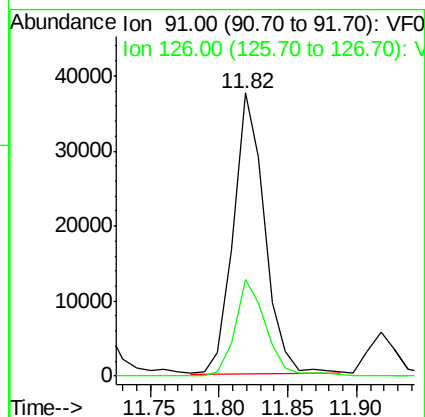
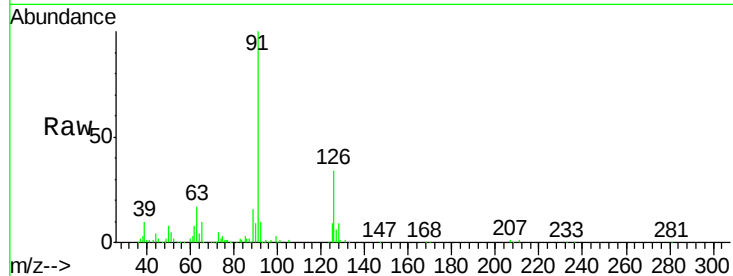
#79
2-Chlorotoluene
Concen: 5.55 ug/l
RT: 11.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.9	15.7	47.1

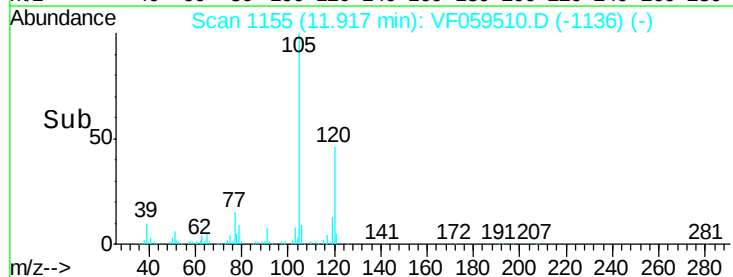
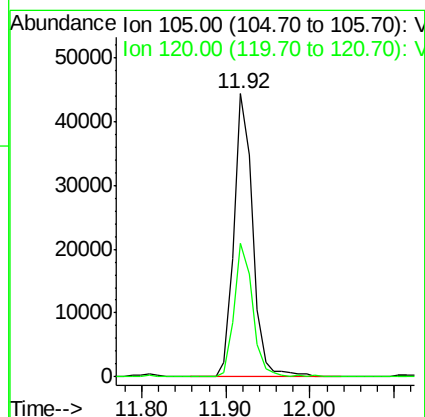
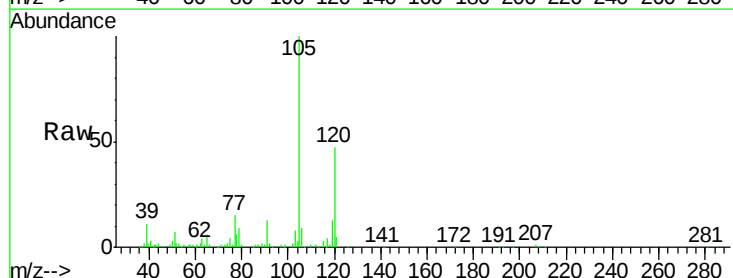
Manual Integrations
APPROVED

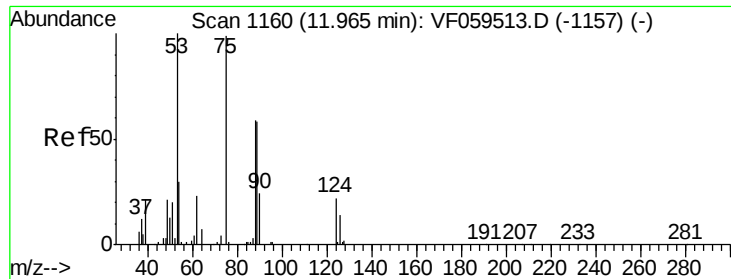
apatel
7/18/2018 3:15:57 PM



#80
1,3,5-Trimethylbenzene
Concen: 5.28 ug/l
RT: 11.92 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.4





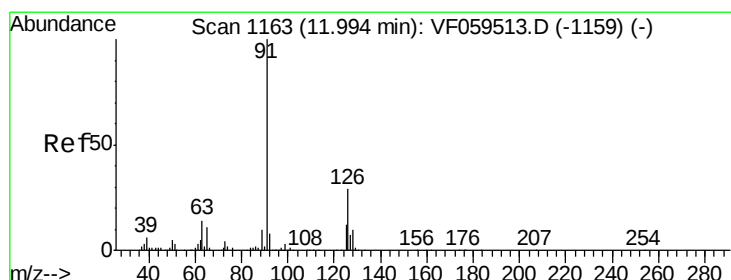
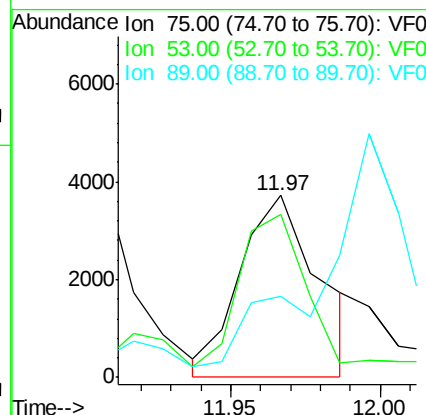
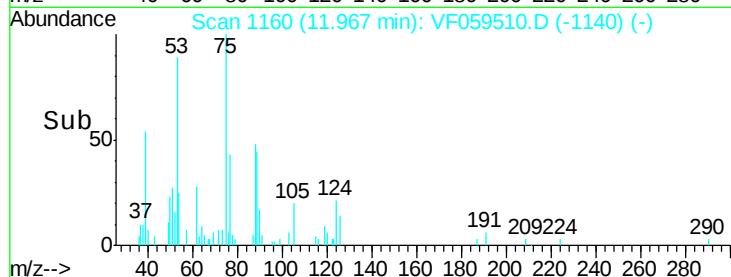
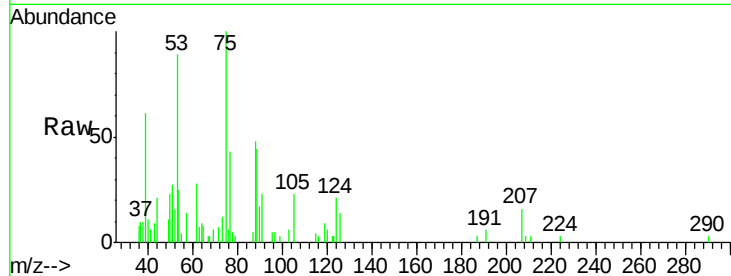
#81
trans-1,4-Dichloro-2-butene
Concen: 5.21 ug/l m
RT: 11.97 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.3	84.6	127.0
89	44.5	48.2	72.4#

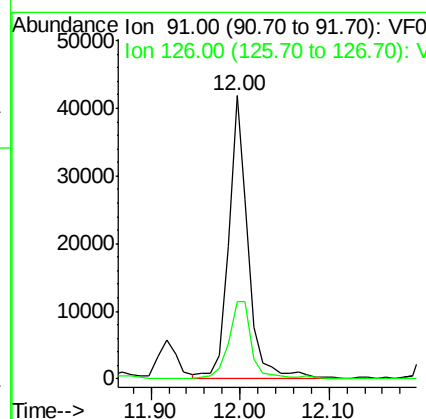
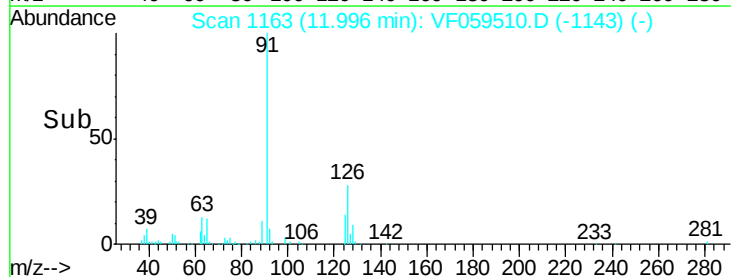
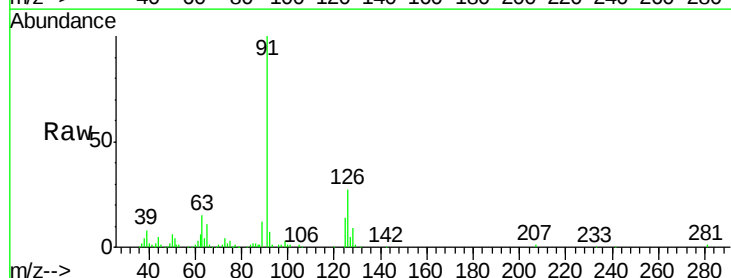
Manual Integrations
APPROVED

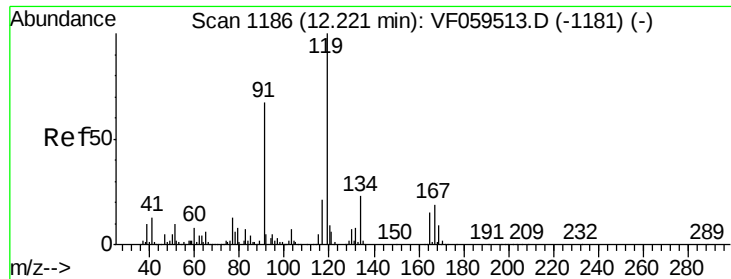
apatel
7/18/2018 3:15:57 PM



#82
4-Chlorotoluene
Concen: 5.25 ug/l
RT: 12.00 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.4	43.4





#83

tert-Butylbenzene

Concen: 5.20 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

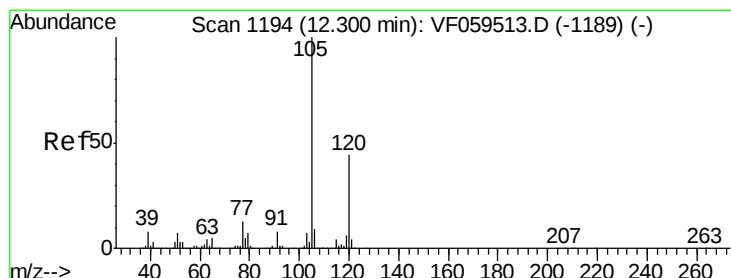
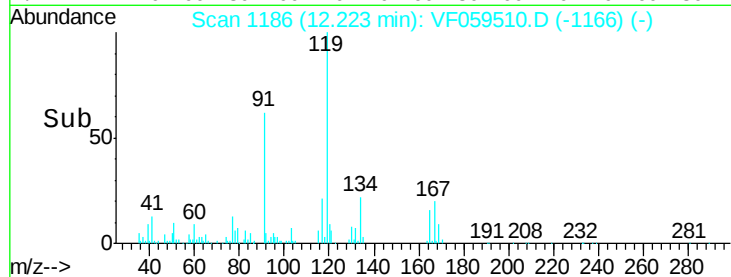
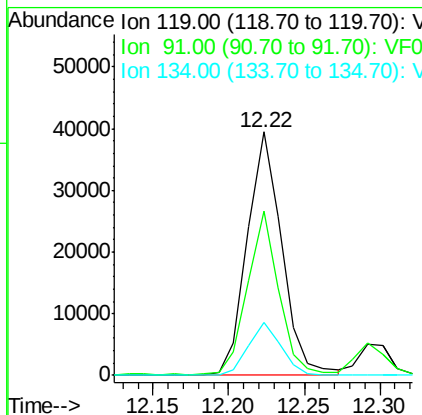
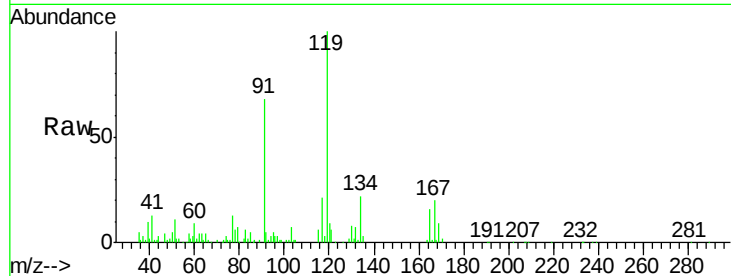
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	63390
Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.5	100.5
134	21.8	11.3	33.8

Manual Integrations
APPROVED

apatel
7/18/2018 3:15:57 PM



#84

1,2,4-Trimethylbenzene

Concen: 5.36 ug/l

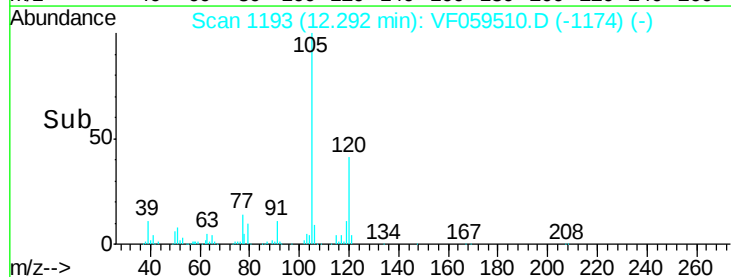
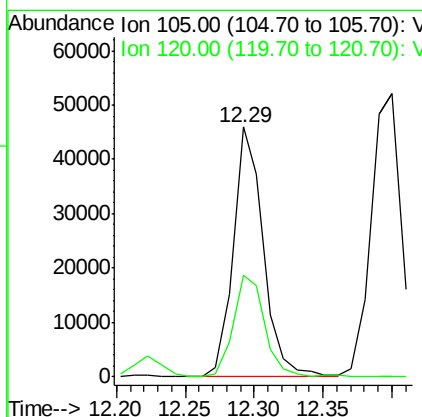
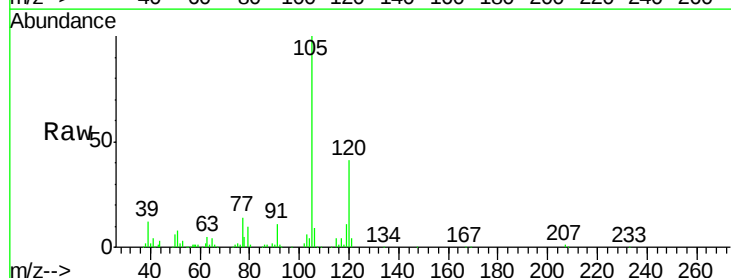
RT: 12.29 min Scan# 1193

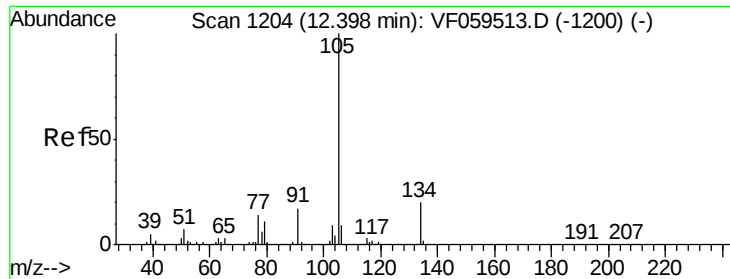
Delta R.T. -0.01 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion:	105	Resp:	69744
Ion	Ratio	Lower	Upper
105	100		
120	40.9	22.5	67.5





#85

sec-Butylbenzene

Concen: 5.35 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 82433

Ion Ratio Lower Upper

105 100

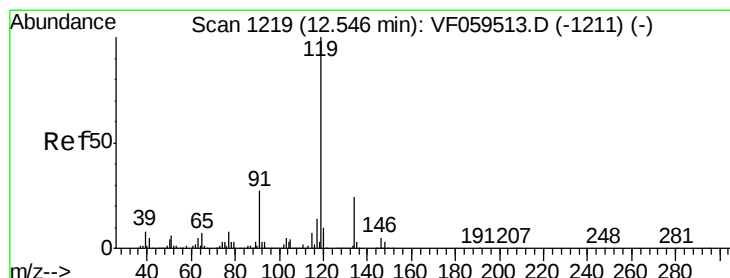
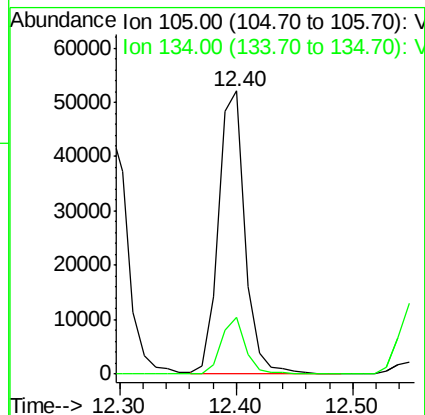
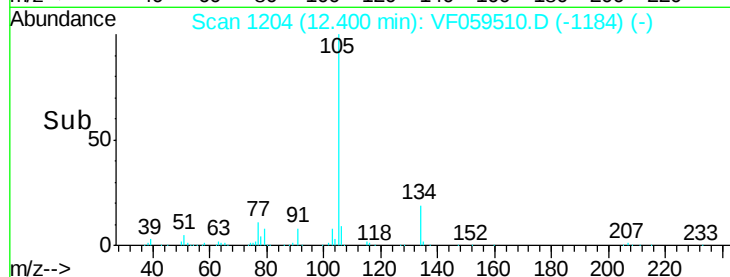
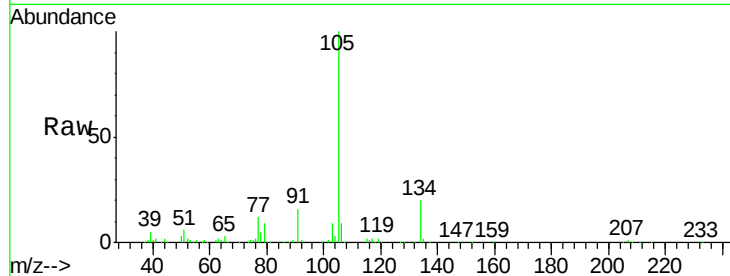
134 20.2 10.1 30.1

Manual Integrations

APPROVED

apatel

7/18/2018 3:15:57 PM



#86

p-Isopropyltoluene

Concen: 5.11 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

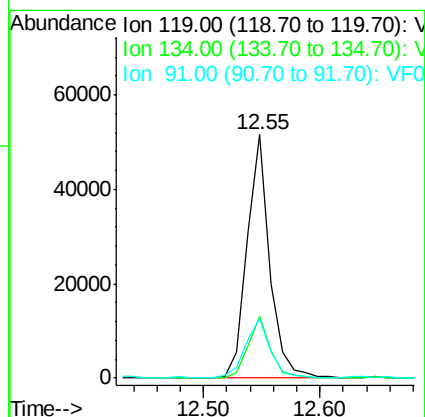
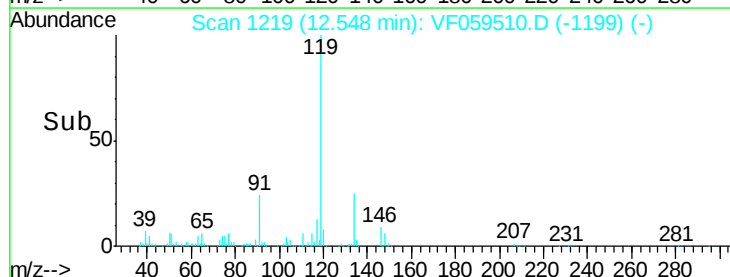
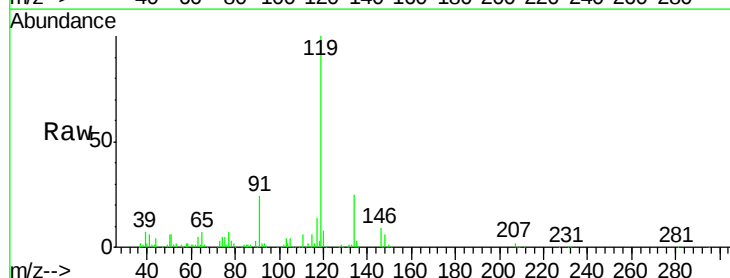
Tgt Ion:119 Resp: 69632

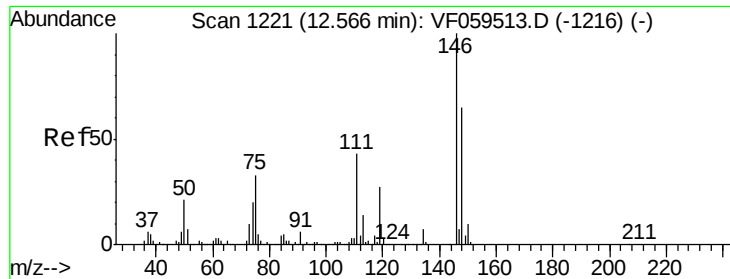
Ion Ratio Lower Upper

119 100

134 25.2 12.0 36.0

91 24.4 13.5 40.4





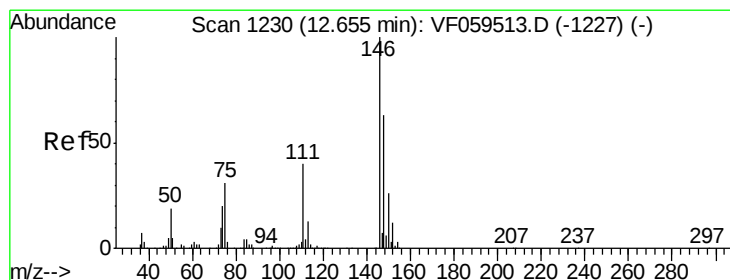
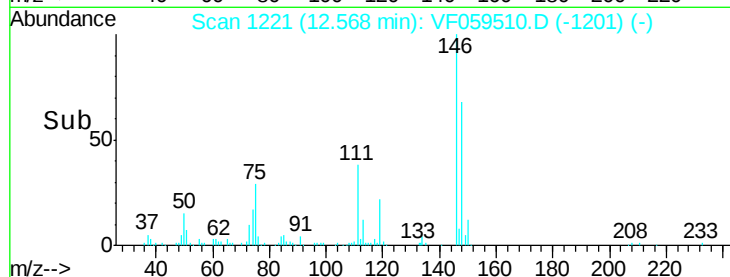
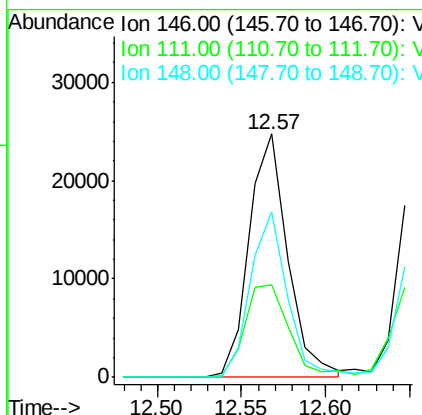
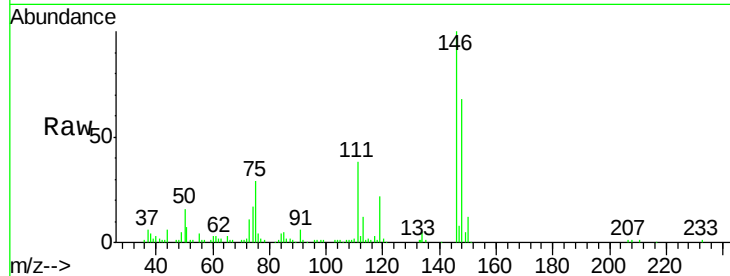
#87
 1,3-Dichlorobenzene
 Concen: 5.40 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	21.4	64.3
148	68.0	32.7	98.1

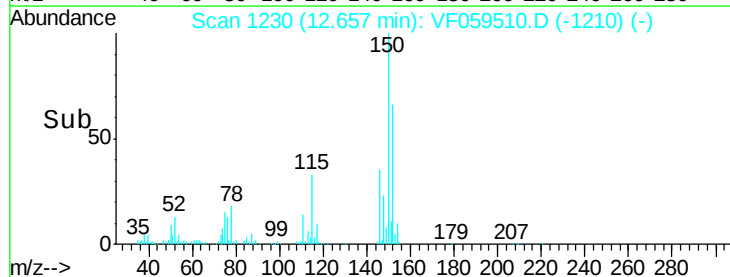
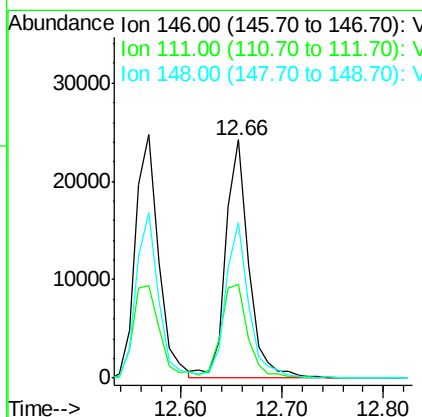
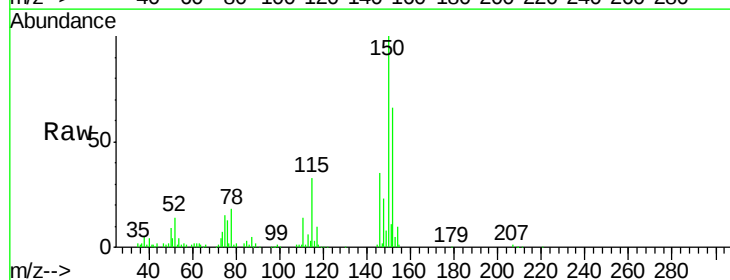
Manual Integrations
 APPROVED

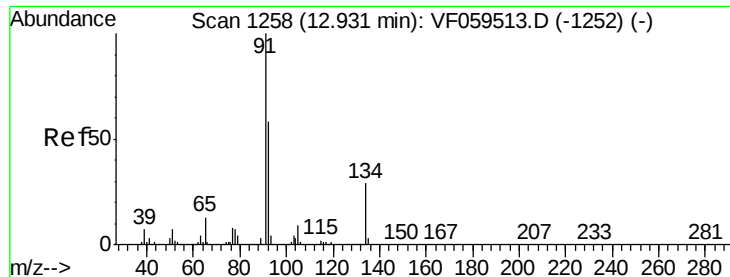
apatel
 7/18/2018 3:15:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.44 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	65.4	31.5	94.5





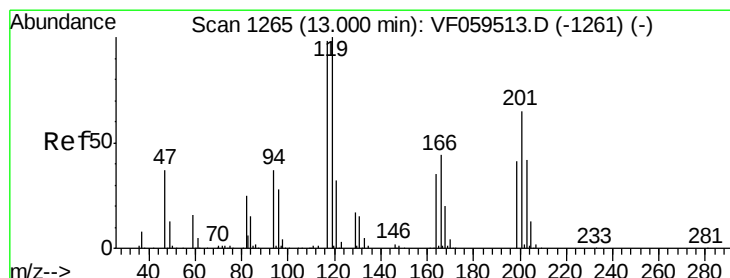
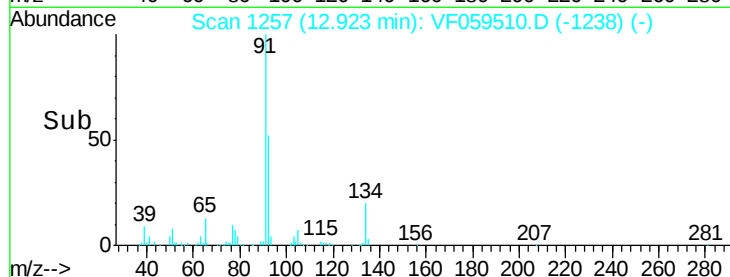
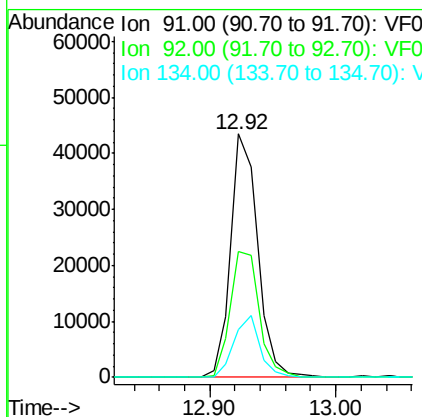
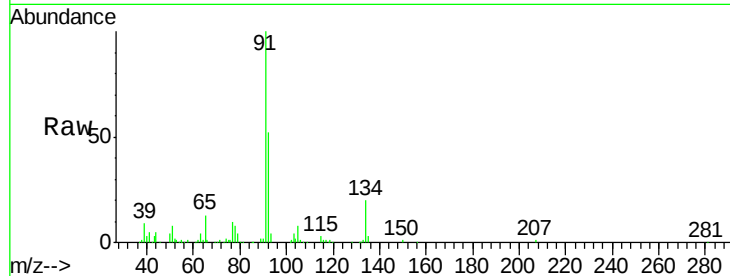
#89
n-Butylbenzene
Concen: 5.12 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	29.1	87.3
134	19.6	14.3	42.9

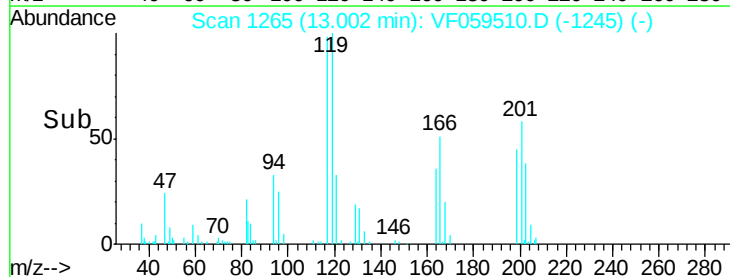
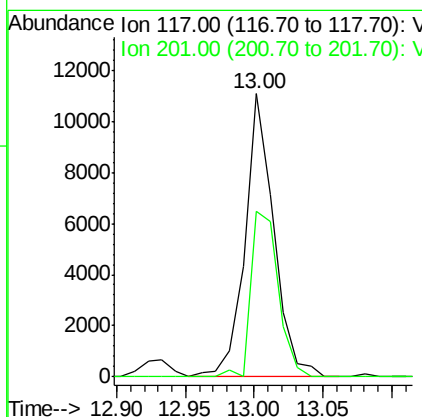
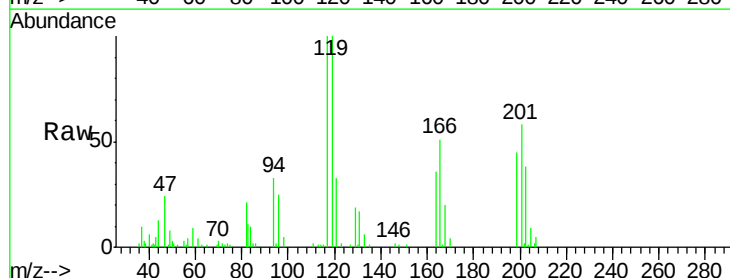
Manual Integrations
APPROVED

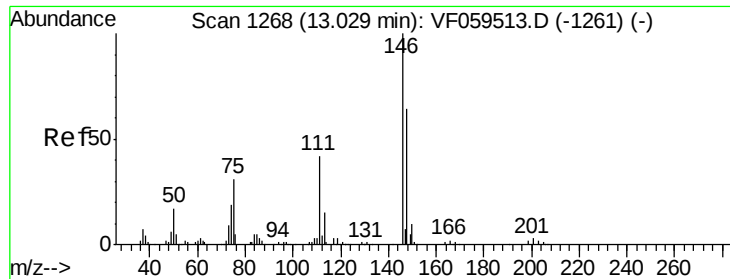
apatel
7/18/2018 3:15:57 PM



#90
Hexachloroethane
Concen: 5.30 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059510.D
Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.3	32.6	98.0





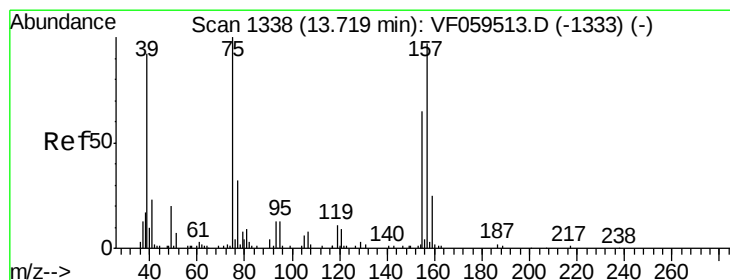
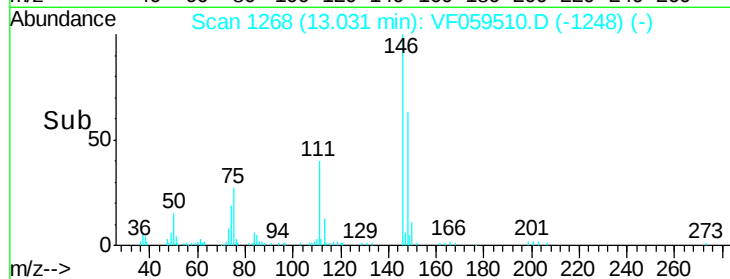
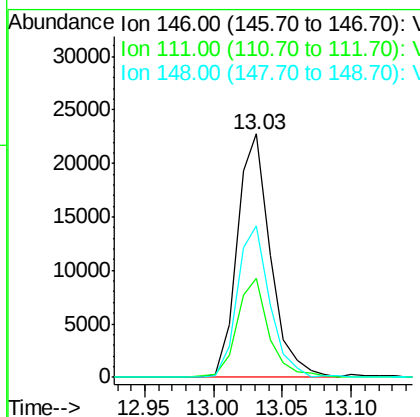
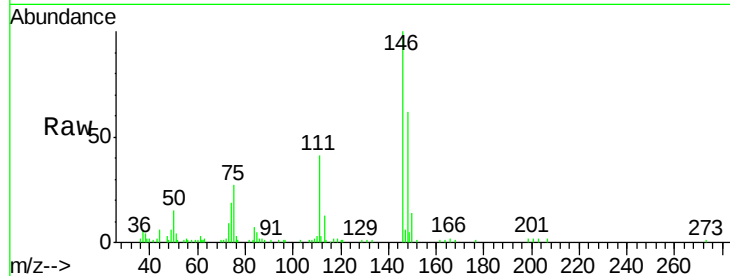
#91
 1,2-Dichlorobenzene
 Concen: 5.61 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.1
148	62.4	32.3	96.8

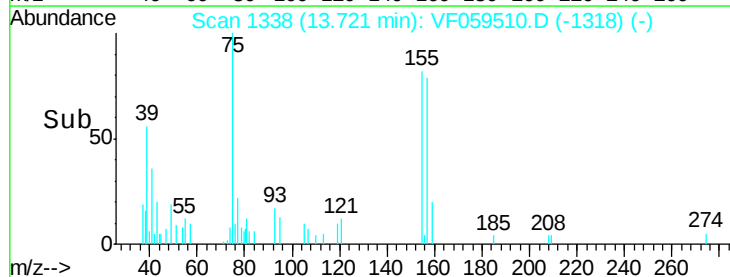
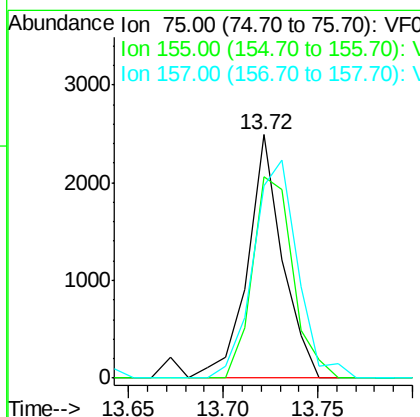
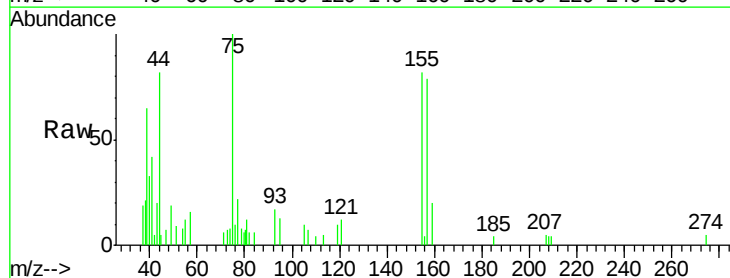
Manual Integrations
 APPROVED

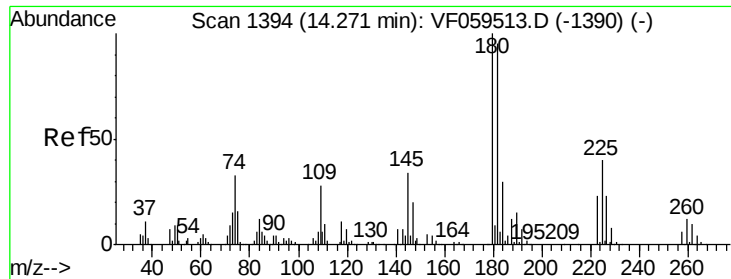
apatel
 7/18/2018 3:15:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.31 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	32.8	98.3
157	79.3	48.5	145.5





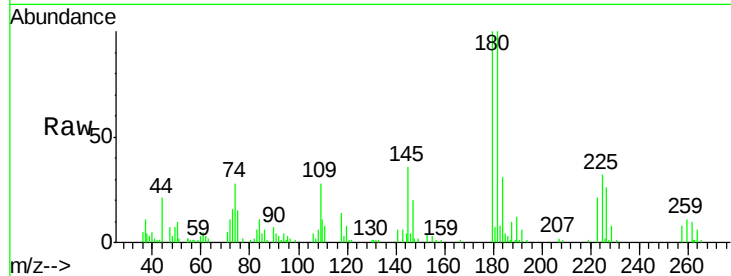
#93
 1,2,4-Trichlorobenzene
 Concen: 4.82 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

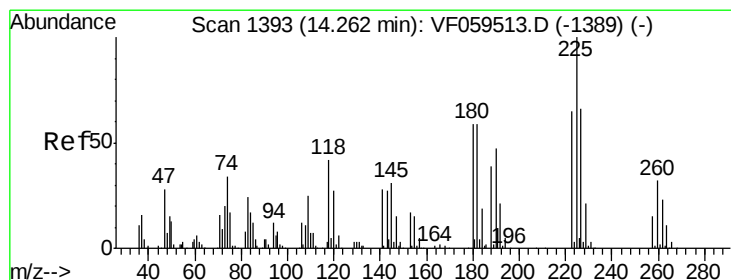
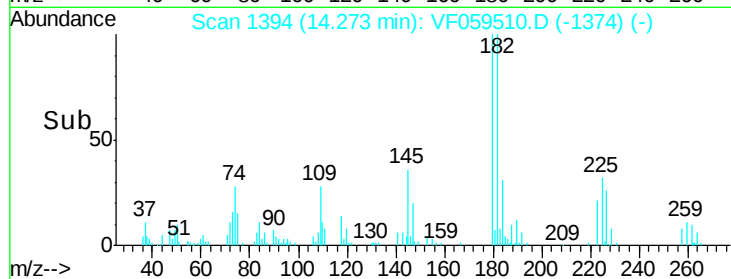
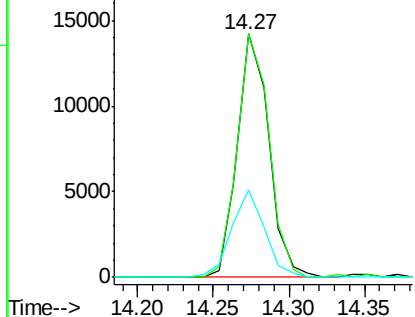
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	47.5	142.5
145	36.2	17.3	51.7

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:15:57 PM

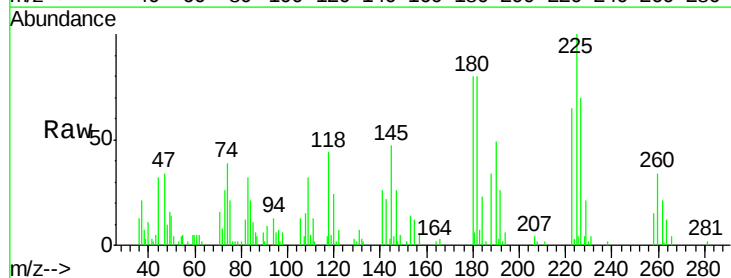


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

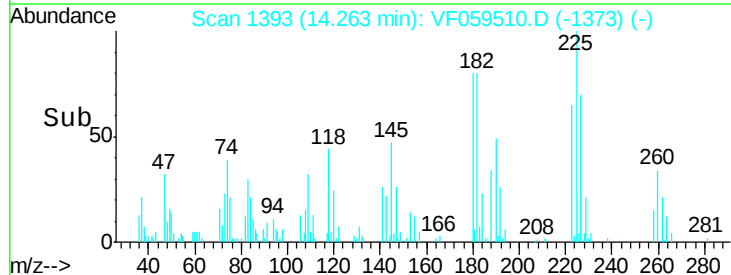
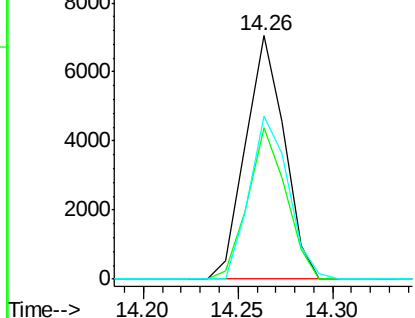


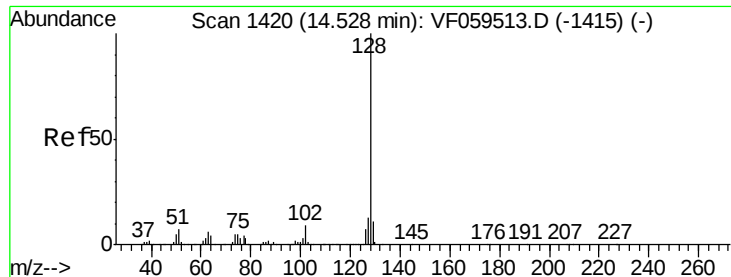
#94
 Hexachlorobutadiene
 Concen: 5.31 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059510.D
 Acq: 17 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.3	96.8
227	67.0	33.2	99.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 4.76 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Instrument :

MSVOA_F

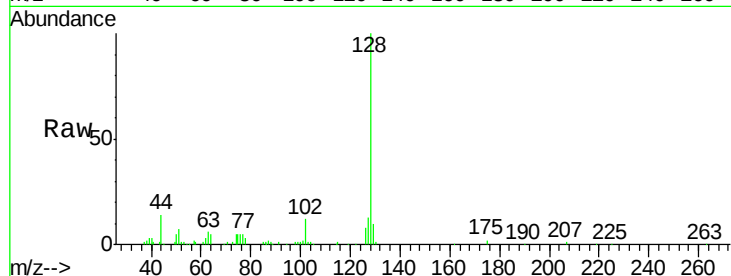
ClientSampleId :

VSTDIC005

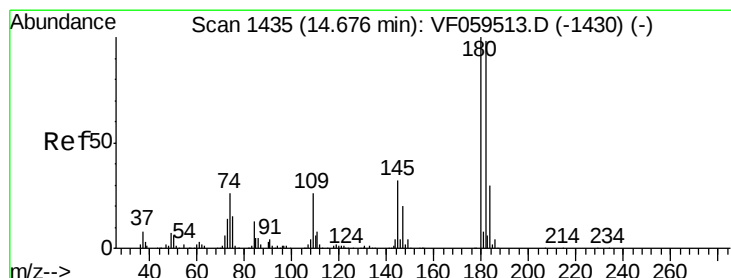
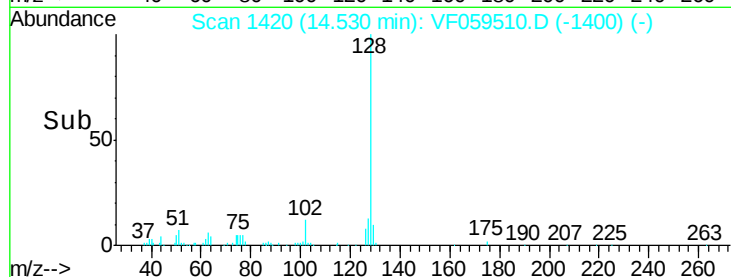
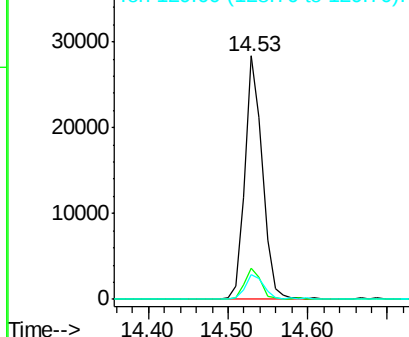
Tot Ion:	128	Resp:	43197
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.4	9.0	13.4

Manual Integrations
APPROVED

apatel
7/18/2018 3:15:57 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.05 ug/l

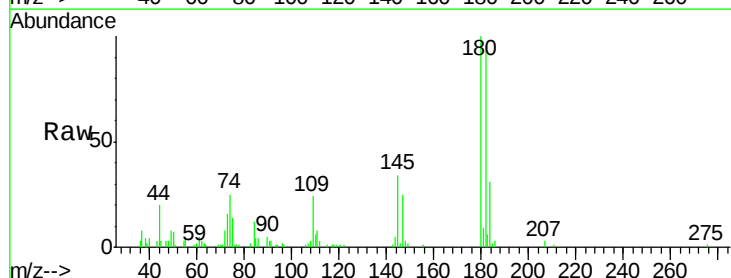
RT: 14.68 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VF059510.D

Acq: 17 Jul 2018 16:38

Tgt Ion:	180	Resp:	18766
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.8	146.4
145	33.7	16.2	48.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

