

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059617.D
 Acq On : 23 Jul 2018 16:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF072318

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:51 PM

Quant Time: Jul 24 07:32:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	279138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	401145	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	385673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	241640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	206428	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
35) Dibromofluoromethane	4.28	113	186769	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
50) Toluene-d8	7.71	98	484091	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	11.50	95	240051	44.88	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	153588	43.85	ug/l	93
3) Chloromethane	1.08	50	75380	47.19	ug/l #	89
4) Vinyl Chloride	1.15	62	90767	50.31	ug/l	90
5) Bromomethane	1.34	94	70175	44.95	ug/l	89
6) Chloroethane	1.42	64	50445	45.81	ug/l	91
7) Trichlorofluoromethane	1.49	101	210958m	43.00	ug/l	
8) Diethyl Ether	1.69	74	35561	50.50	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	103520	41.94	ug/l	95
10) Methyl Iodide	1.96	142	192581	46.40	ug/l	86
11) Tert butyl alcohol	2.68	59	44224	247.35	ug/l	97
12) 1,1-Dichloroethene	1.85	96	87971	44.96	ug/l	96
13) Acrolein	2.09	56	27773	309.77	ug/l	95
14) Allyl chloride	2.19	41	160116	45.20	ug/l	86
15) Acrylonitrile	3.06	53	68275	247.55	ug/l	95
16) Acetone	2.33	43	192301	255.33	ug/l	100
17) Carbon Disulfide	1.83	76	225031m	44.43	ug/l	
18) Methyl Acetate	2.44	43	54590	54.54	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	269923	47.33	ug/l	95
20) Methylene Chloride	2.26	84	88614	51.83	ug/l #	78
21) trans-1,2-Dichloroethene	2.40	96	90063	44.78	ug/l	93
22) Diisopropyl ether	2.91	45	325476	50.14	ug/l #	96
23) Vinyl Acetate	3.33	43	836744	256.08	ug/l	98
24) 1,1-Dichloroethane	2.99	63	215530	46.32	ug/l	99
25) 2-Butanone	4.50	43	201001	258.86	ug/l	95
26) 2,2-Dichloropropane	3.75	77	175651	44.79	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	110670	48.01	ug/l	95
28) Bromochloromethane	3.88	49	80605	47.12	ug/l	94
29) Tetrahydrofuran	4.25	42	79734	253.45	ug/l	97
30) Chloroform	4.02	83	294626	46.06	ug/l	98
31) Cyclohexane	3.85	56	126923	49.02	ug/l	90
32) 1,1,1-Trichloroethane	4.26	97	252225	43.55	ug/l	96
36) 1,1-Dichloropropene	4.44	75	188701	46.45	ug/l #	93
37) Ethyl Acetate	4.27	43	88582	54.24	ug/l #	100
38) Carbon Tetrachloride	4.16	117	261918	41.78	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059617.D
 Acq On : 23 Jul 2018 16:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 ICVV072318

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:51 PM

Quant Time: Jul 24 07:32:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	152286	46.21	ug/l	94
40) Benzene	4.80	78	349316	47.05	ug/l	97
41) Methacrylonitrile	4.91	41	41194	49.20	ug/l #	77
42) 1,2-Dichloroethane	5.10	62	212939	42.48	ug/l	100
43) Isopropyl Acetate	7.10	43	107388	51.46	ug/l	99
44) Trichloroethene	5.66	130	129218	45.15	ug/l	91
45) 1,2-Dichloropropane	6.39	63	89381	44.47	ug/l	89
46) Dibromomethane	6.25	93	93783	56.33	ug/l	93
47) Bromodichloromethane	6.54	83	223123	44.16	ug/l	98
48) Methyl methacrylate	6.87	41	74217	47.55	ug/l	88
49) 1,4-Dioxane	6.86	88	10908	1126.10	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	392846	258.37	ug/l	97
52) Toluene	7.77	92	252397	44.65	ug/l	93
53) t-1,3-Dichloropropene	8.41	75	189265	44.31	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	204100	48.20	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	88512	45.77	ug/l	93
56) Ethyl methacrylate	8.75	69	110914	51.51	ug/l #	87
57) 1,3-Dichloropropane	9.00	76	155215	46.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	54630	219.30	ug/l	100
59) 2-Hexanone	9.63	43	346427	280.75	ug/l	100
60) Dibromochloromethane	8.86	129	158339	45.97	ug/l	99
61) 1,2-Dibromoethane	9.12	107	108973	49.16	ug/l	94
64) Tetrachloroethene	8.30	164	129538	45.23	ug/l	93
65) Chlorobenzene	9.93	112	332856	46.80	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	147495	45.77	ug/l	96
67) Ethyl Benzene	10.03	91	612550	47.37	ug/l	99
68) m/p-Xylenes	10.26	106	422877	96.23	ug/l	98
69) o-Xylene	10.82	106	231375	48.47	ug/l	96
70) Styrene	10.90	104	354962	49.58	ug/l	93
71) Bromoform	10.88	173	94406	47.28	ug/l	91
73) Isopropylbenzene	11.22	105	715901	46.65	ug/l	97
74) N-amyl acetate	11.46	43	193884	56.18	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	125535	48.72	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	104214	46.30	ug/l	90
77) Bromobenzene	11.59	156	177928	44.75	ug/l	98
78) n-propylbenzene	11.69	91	822424	44.72	ug/l	100
79) 2-Chlorotoluene	11.81	91	698114	63.34	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	608488	44.29	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	45637m	51.12	ug/l	
82) 4-Chlorotoluene	11.98	91	541811	44.19	ug/l	97
83) tert-Butylbenzene	12.21	119	606314	44.63	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	607610	43.47	ug/l	93
85) sec-Butylbenzene	12.39	105	782533	44.57	ug/l	100
86) p-Isopropyltoluene	12.54	119	692642	44.82	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	333541	43.75	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	332553	46.49	ug/l	98
89) n-Butylbenzene	12.92	91	666381	45.13	ug/l	97
90) Hexachloroethane	12.99	117	164115	42.86	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	313947	44.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	29731	47.94	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072318\
Data File : VF059617.D
Acq On : 23 Jul 2018 16:26
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 88 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

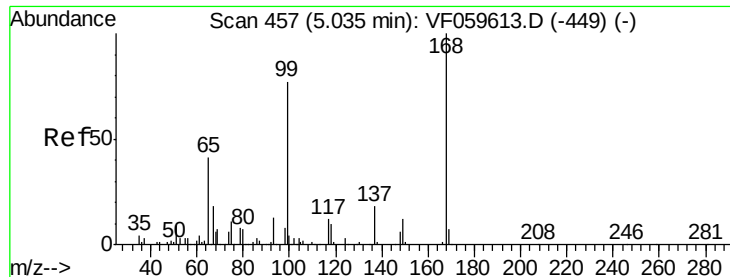
Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM

Quant Time: Jul 24 07:32:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 24 04:17:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	244177	45.97	µg/l	97
94) Hexachlorobutadiene	14.25	225	157909	42.70	µg/l	98
95) Naphthalene	14.52	128	460365	53.36	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	227352	47.08	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion:168 Resp: 279138

Ion Ratio Lower Upper

168 100

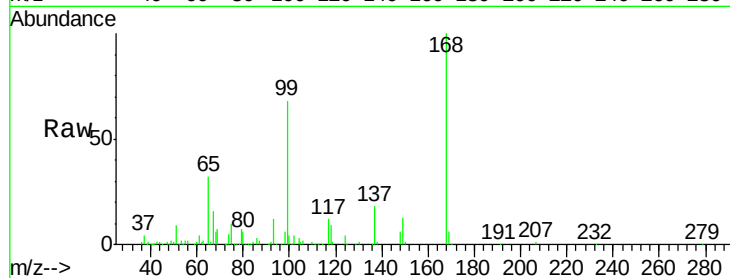
99 67.6 61.5 92.3

Manual Integrations

APPROVED

apatel

7/24/2018 1:13:51 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

100000

80000

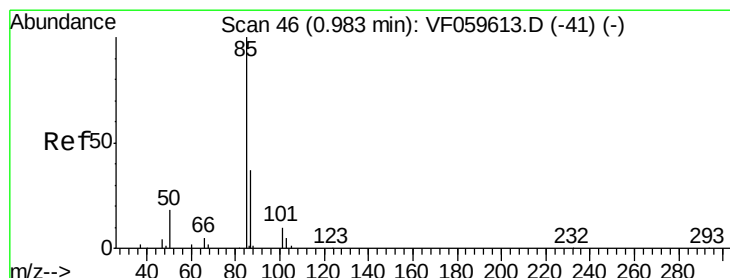
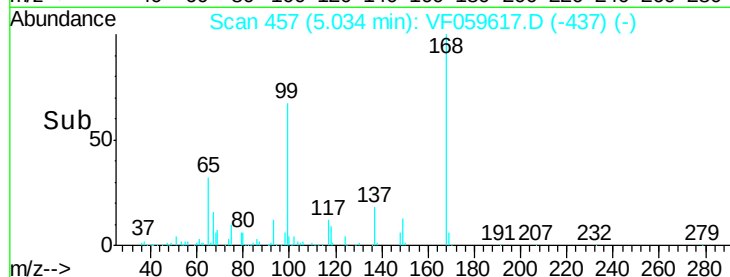
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.85 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059617.D

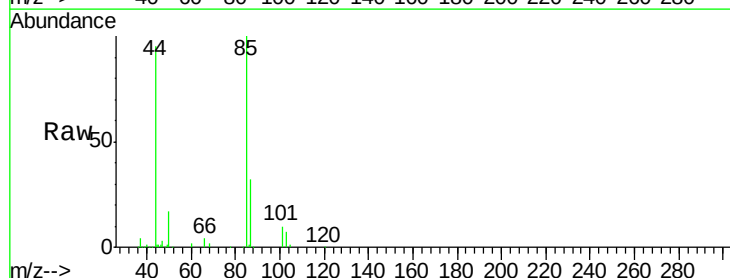
Acq: 23 Jul 2018 16:26

Tgt Ion: 85 Resp: 153588

Ion Ratio Lower Upper

85 100

87 32.4 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

50000

40000

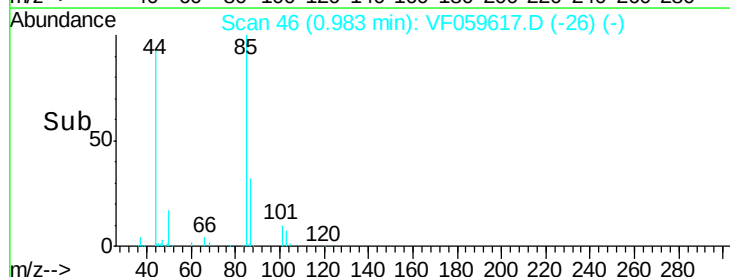
30000

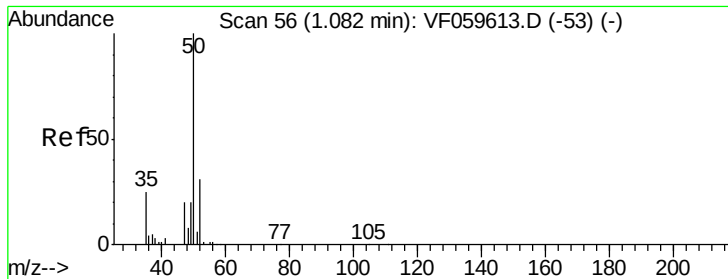
20000

10000

0

Time-->





#3

Chloromethane

Concen: 47.19 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 50 Resp: 75380

Ion Ratio Lower Upper

50 100

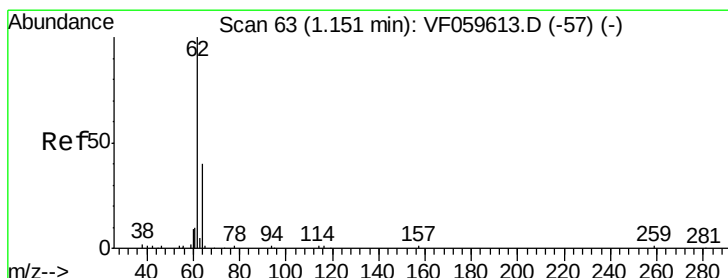
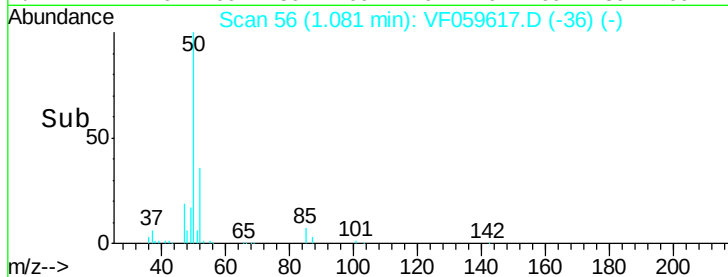
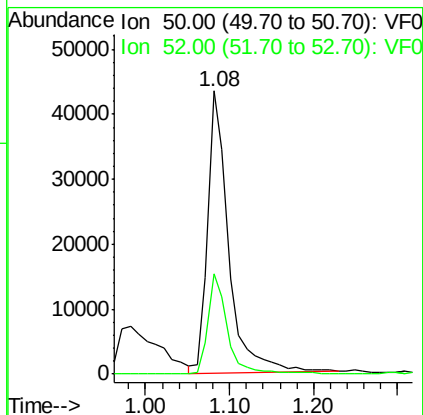
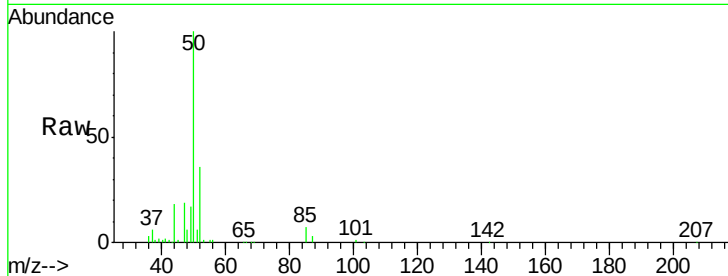
52 35.6 23.7 35.5#

Manual Integrations

APPROVED

apatel

7/24/2018 1:13:51 PM



#4

Vinyl Chloride

Concen: 50.31 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059617.D

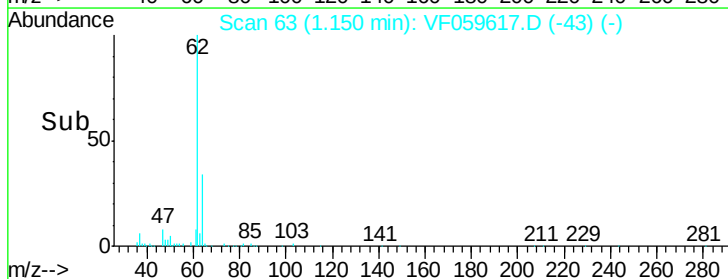
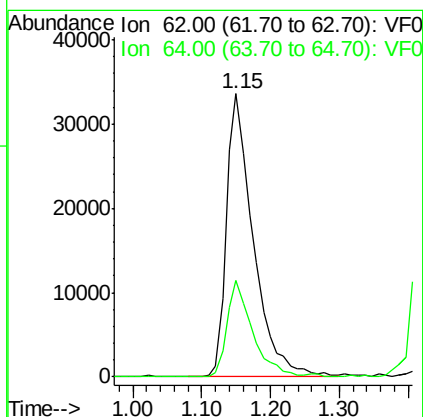
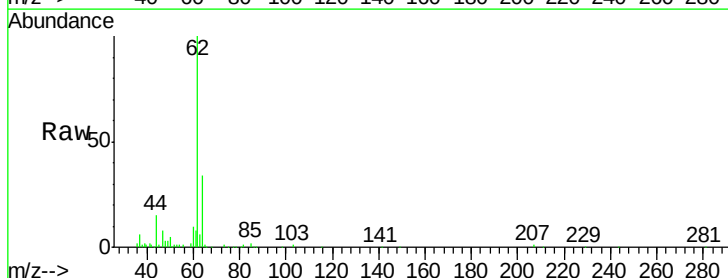
Acq: 23 Jul 2018 16:26

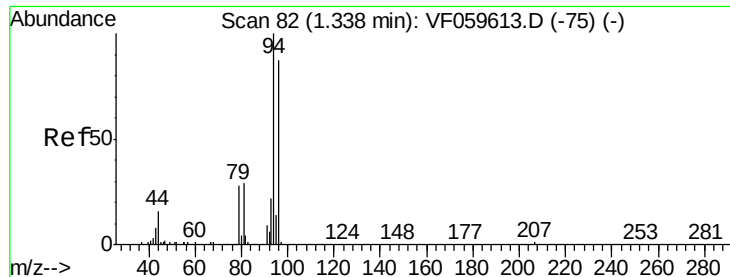
Tgt Ion: 62 Resp: 90767

Ion Ratio Lower Upper

62 100

64 34.3 32.2 48.4





#5

Bromomethane

Concen: 44.95 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 94 Resp: 70175

Ion Ratio Lower Upper

94 100

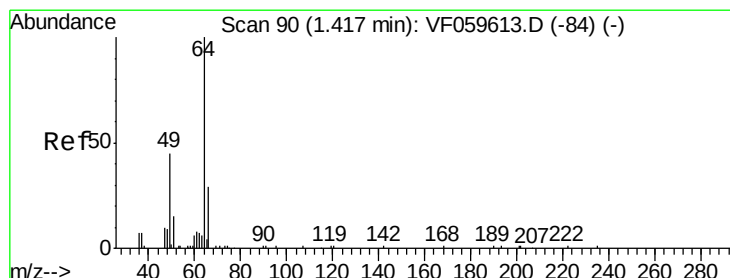
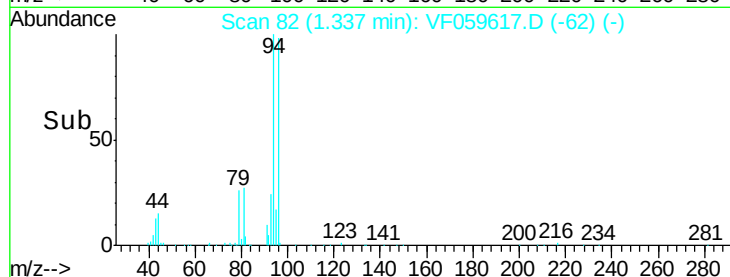
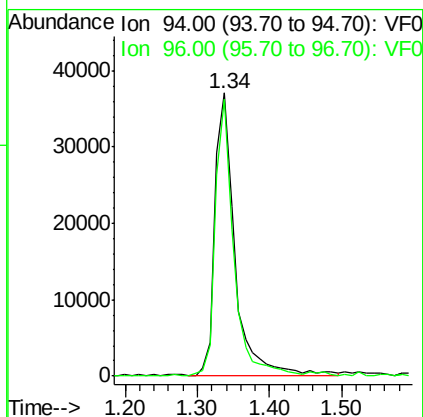
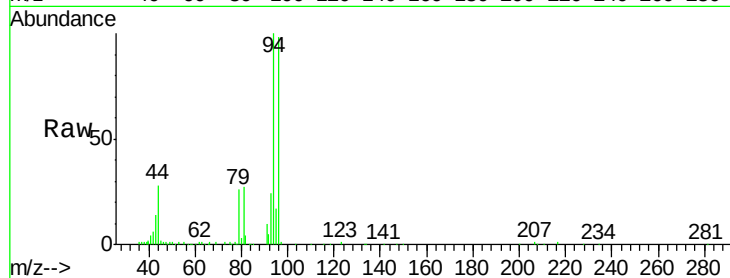
96 97.8 69.8 104.8

Manual Integrations

APPROVED

apatel

7/24/2018 1:13:51 PM



#6

Chloroethane

Concen: 45.81 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059617.D

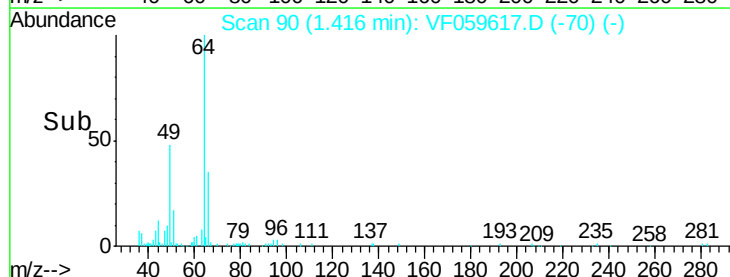
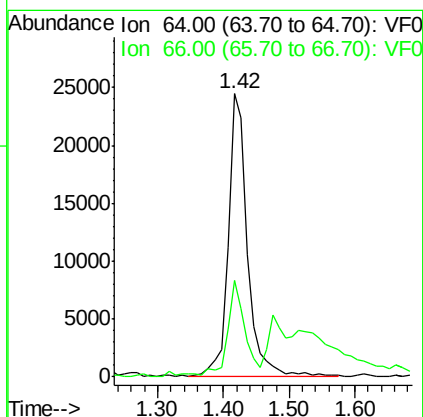
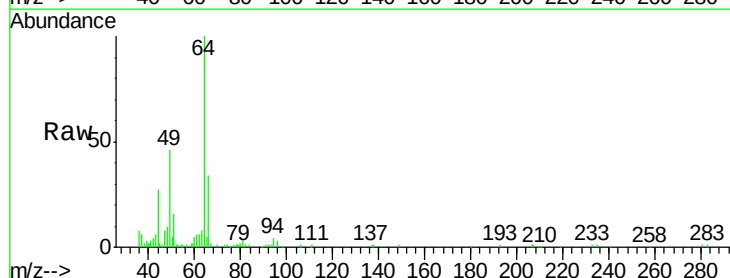
Acq: 23 Jul 2018 16:26

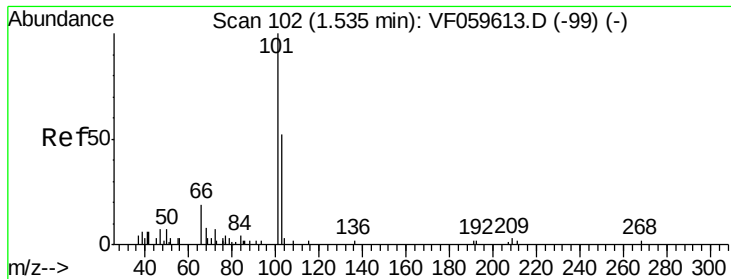
Tgt Ion: 64 Resp: 50445

Ion Ratio Lower Upper

64 100

66 34.3 23.7 35.5





#7

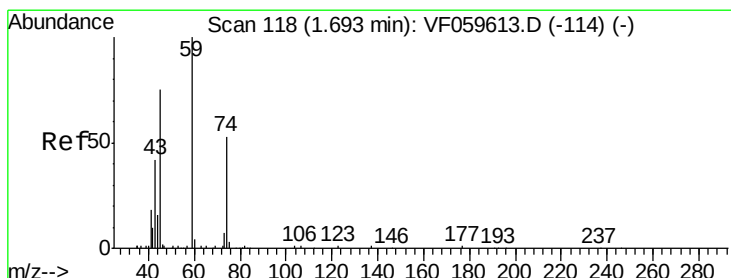
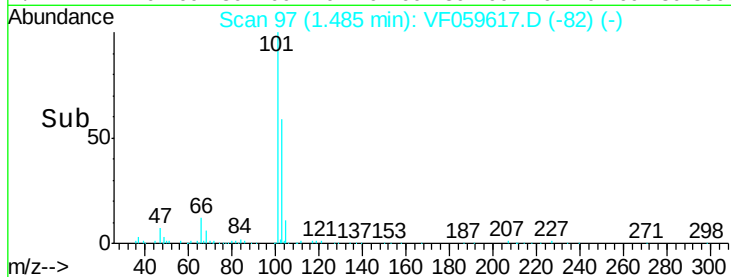
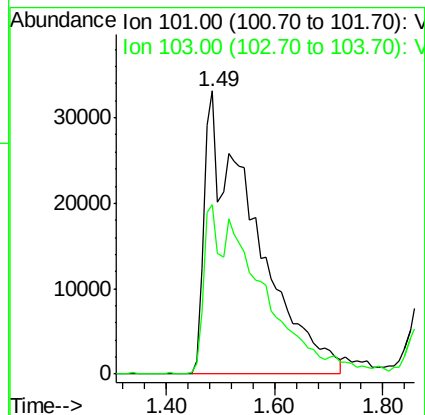
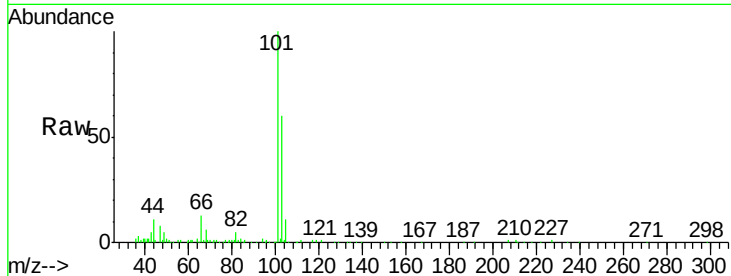
Trichlorofluoromethane
 Concen: 43.00 ug/l m
 RT: 1.49 min Scan# 97
 Delta R.T. -0.05 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF072318

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	48.2	72.4

Manual Integrations
 APPROVED

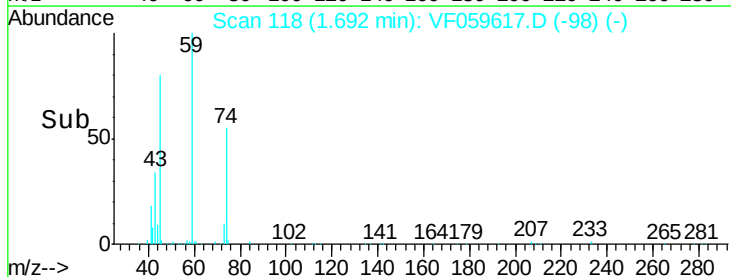
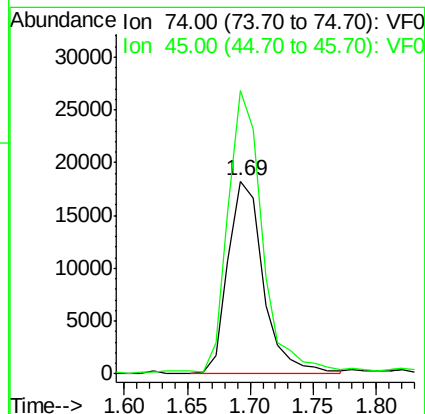
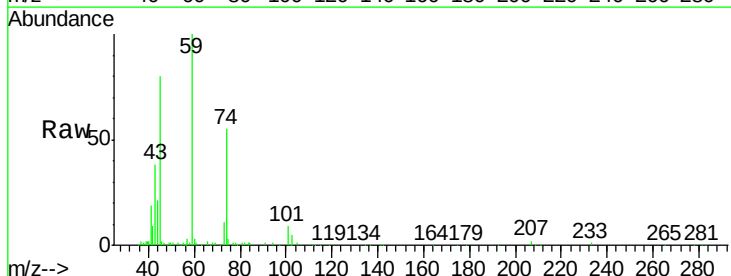
apatel
 7/24/2018 1:13:51 PM

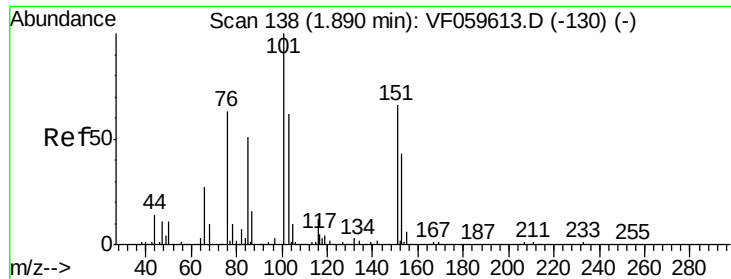


#8

Diethyl Ether
 Concen: 50.50 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.8	72.0	215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.94 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

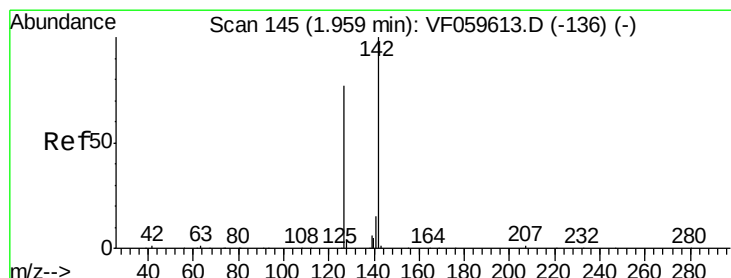
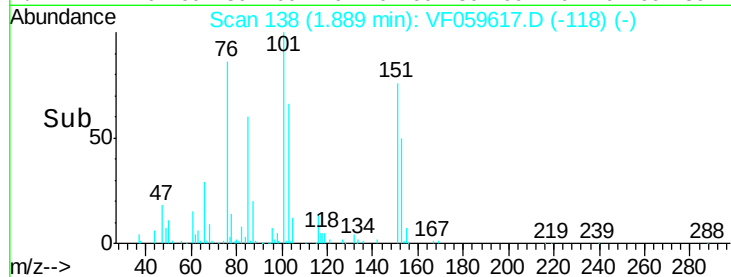
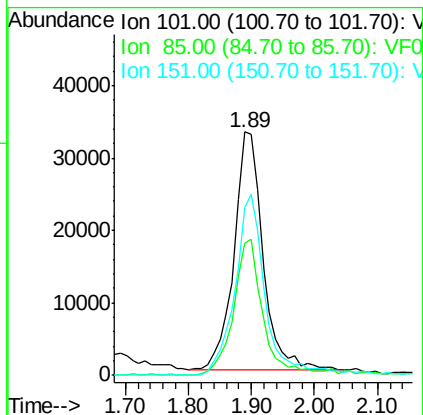
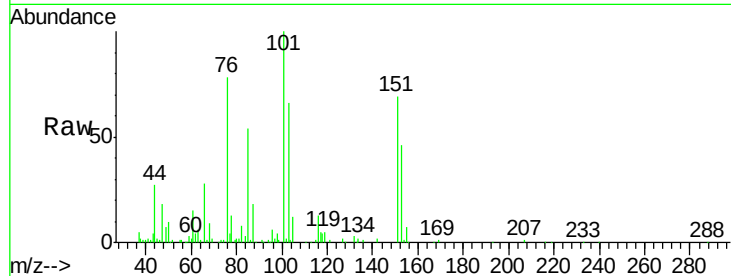
ClientSampleId :

ICVVF072318

Tot Ion:	101	Resp:	103520
Ion Ratio	Lower	Upper	
101	100		
85	53.5	40.2	60.2
151	67.7	51.4	77.2

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#10

Methyl Iodide

Concen: 46.40 ug/l

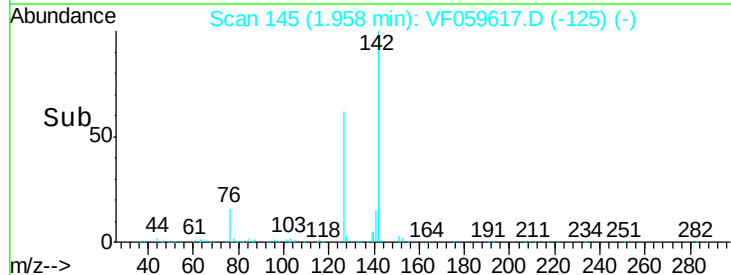
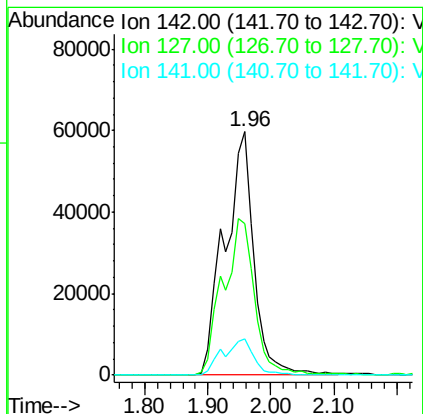
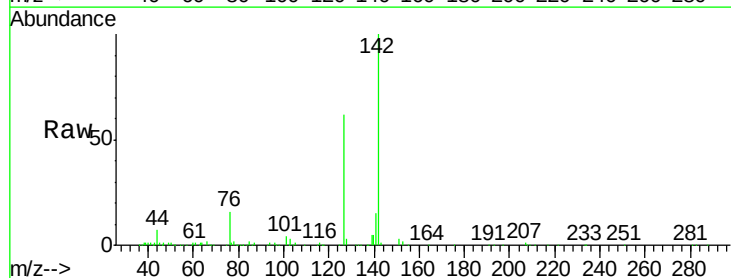
RT: 1.96 min Scan# 145

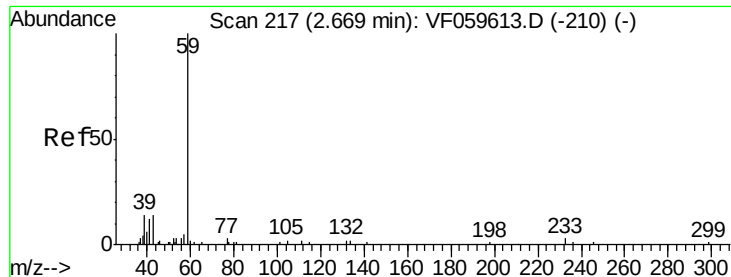
Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	142	Resp:	192581
Ion Ratio	Lower	Upper	
142	100		
127	62.3	61.2	91.8
141	14.7	12.0	18.0





#11

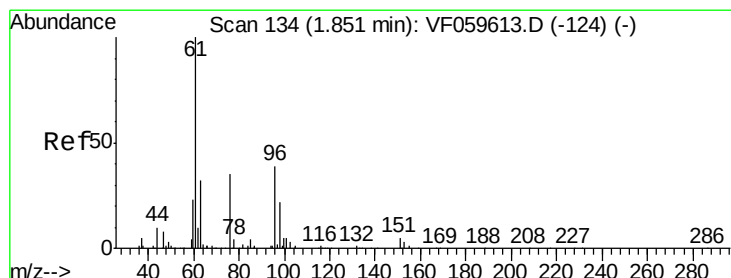
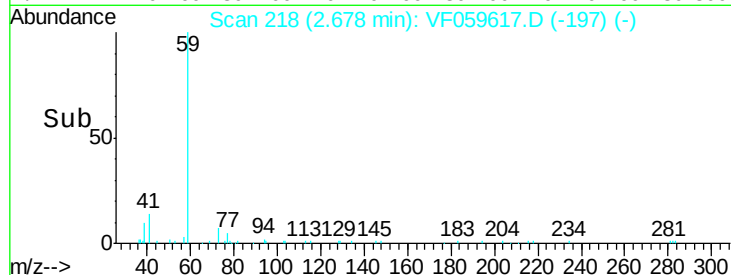
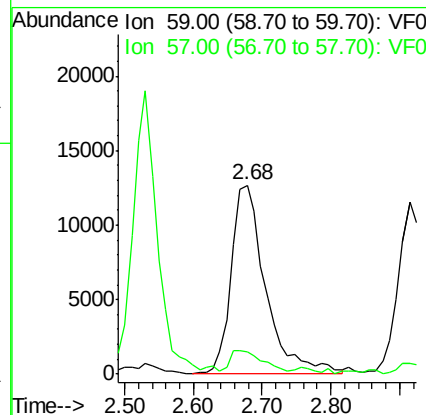
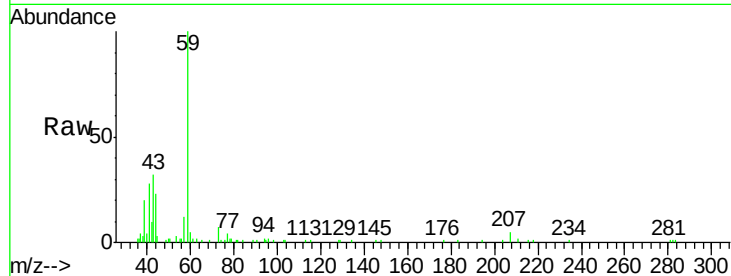
Tert butyl alcohol
Concen: 247.35 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	59	Resp	44224
Ion Ratio	100	Lower	Upper
57	11.8	8.6	12.8

Manual Integrations
APPROVED

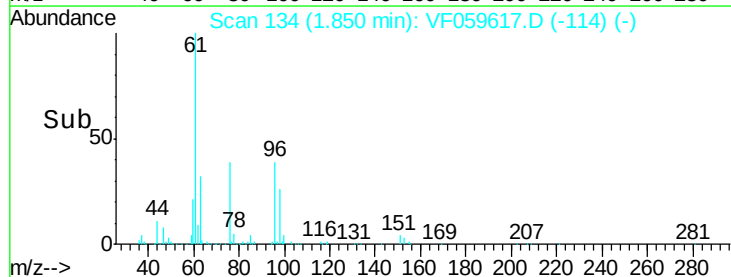
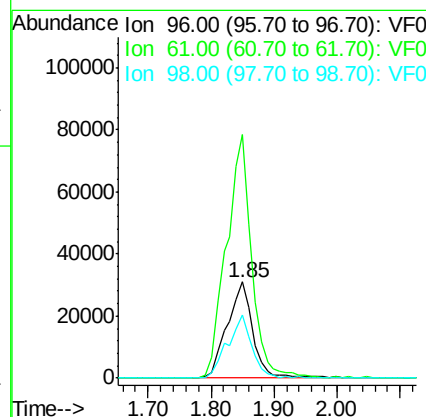
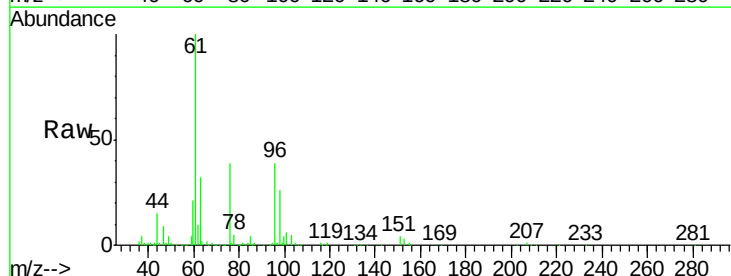
apatel
7/24/2018 1:13:51 PM

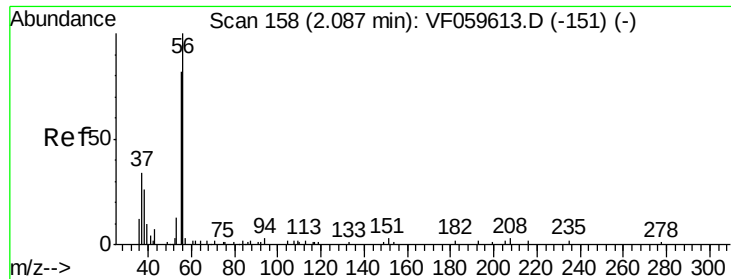


#12

1,1-Dichloroethene
Concen: 44.96 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	96	Resp	87971
Ion Ratio	100	Lower	Upper
61	253.9	207.2	310.8
98	65.6	45.5	68.3





#13

Acrolein

Concen: 309.77 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 56 Resp: 27773

Ion Ratio Lower Upper

56 100

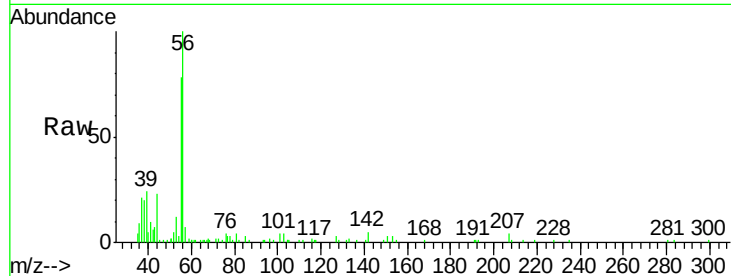
55 78.0 65.6 98.4

Manual Integrations

APPROVED

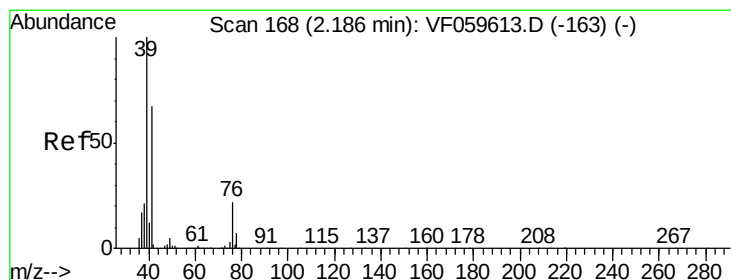
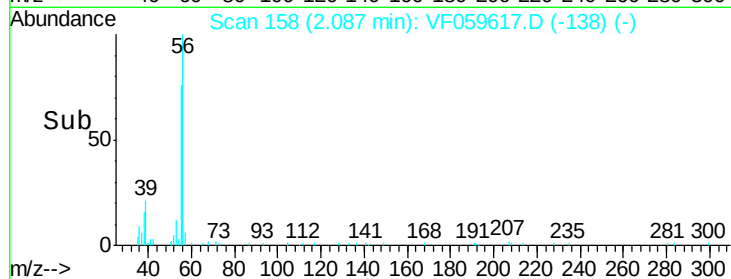
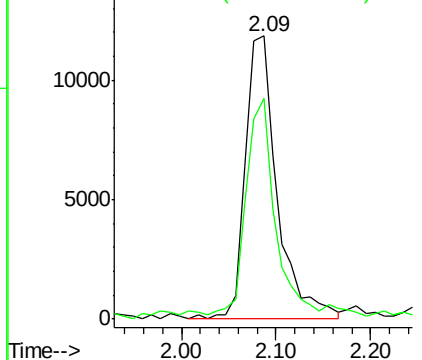
apatel

7/24/2018 1:13:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 45.20 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

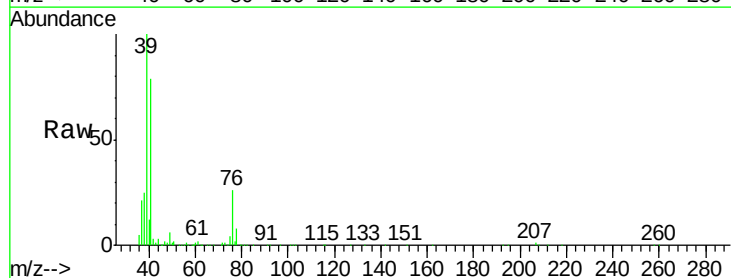
Tgt Ion: 41 Resp: 160116

Ion Ratio Lower Upper

41 100

39 126.8 119.0 178.4

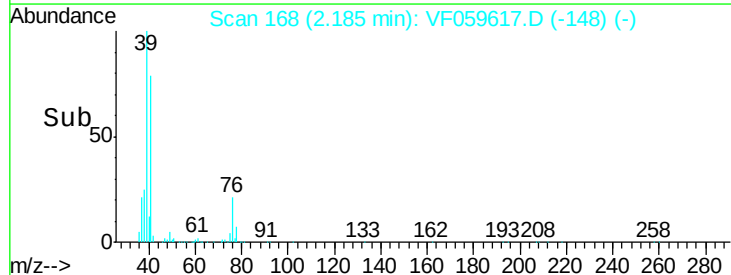
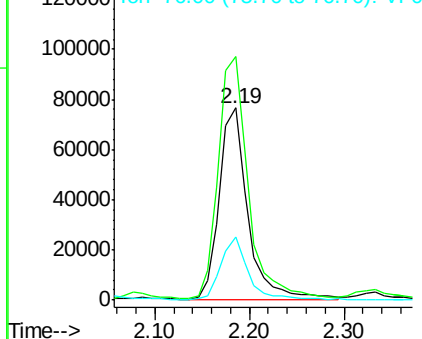
76 32.8 26.3 39.5

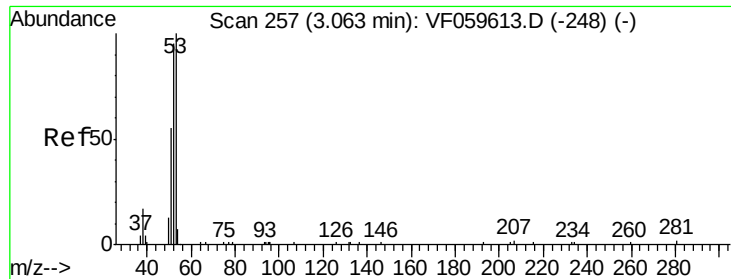


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 247.55 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

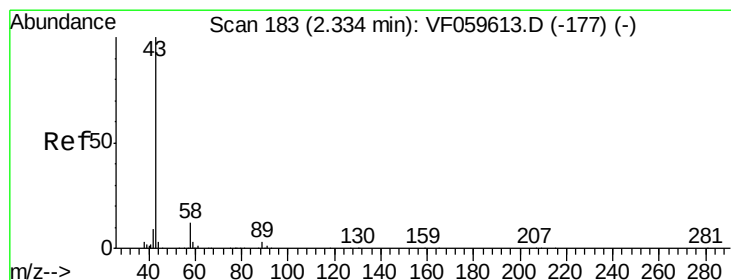
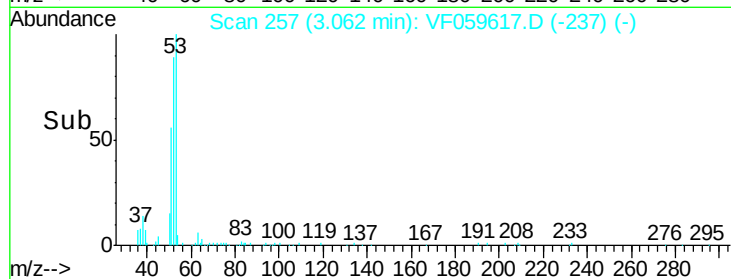
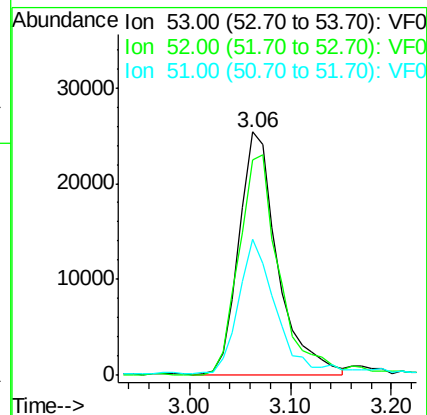
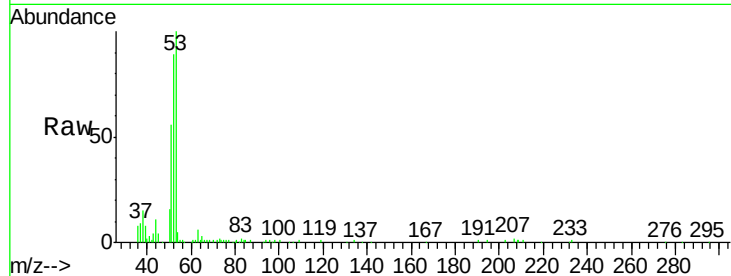
ClientSampleId :

ICVVF072318

Tot Ion:	53	Resp:	68275
Ion	Ratio	Lower	Upper
53	100		
52	88.7	76.2	114.2
51	56.1	45.8	68.8

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#16

Acetone

Concen: 255.33 ug/l

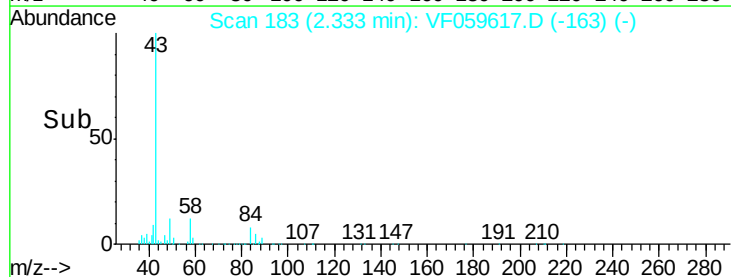
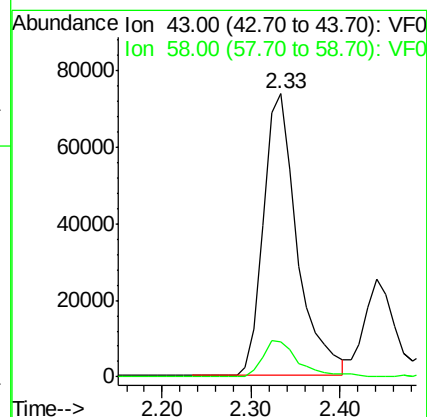
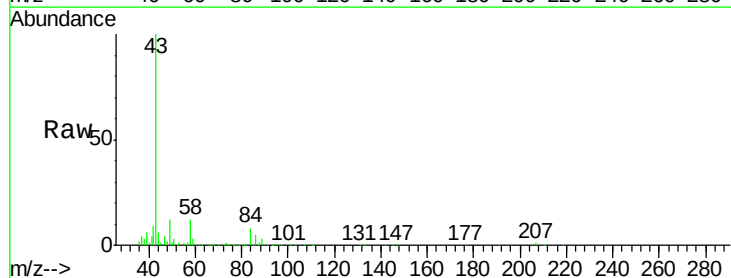
RT: 2.33 min Scan# 183

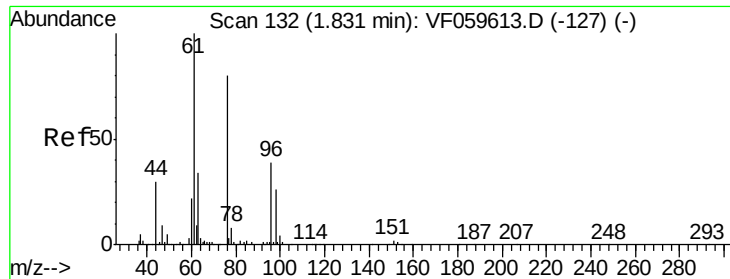
Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	43	Resp:	192301
Ion	Ratio	Lower	Upper
43	100		
58	12.3	9.8	14.8





#17

Carbon Disulfide

Concen: 44.43 ug/l m

RT: 1.83 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 76 Resp: 225031

Ion Ratio Lower Upper

76 100

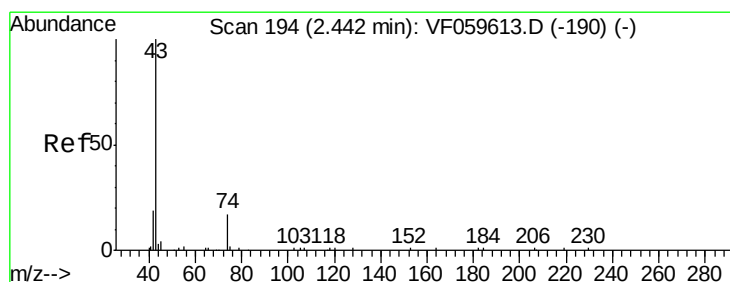
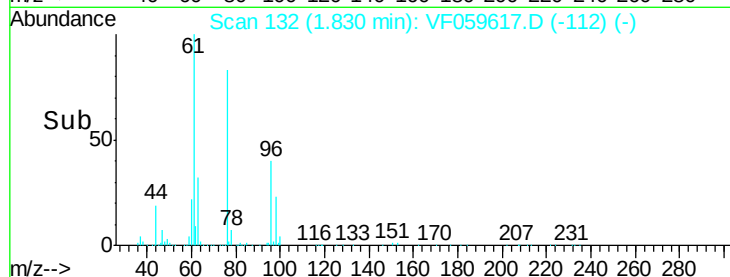
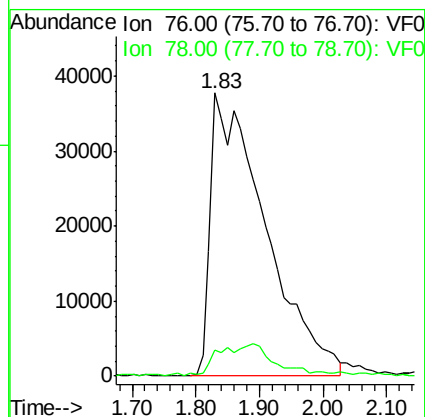
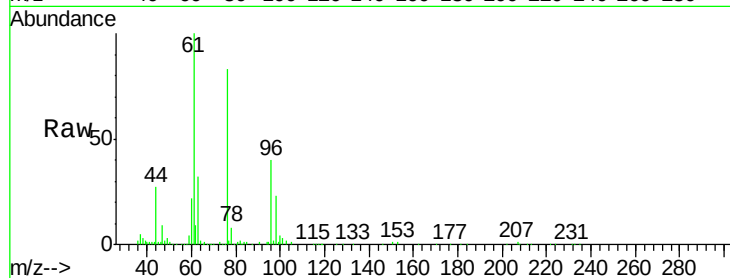
78 9.3 7.7 11.5

Manual Integrations

APPROVED

apatel

7/24/2018 1:13:51 PM



#18

Methyl Acetate

Concen: 54.54 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059617.D

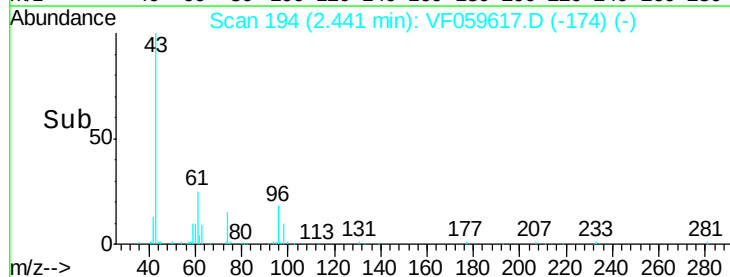
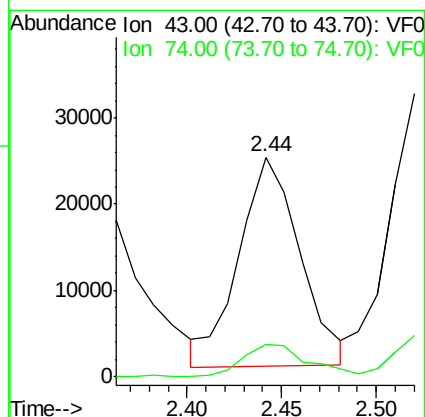
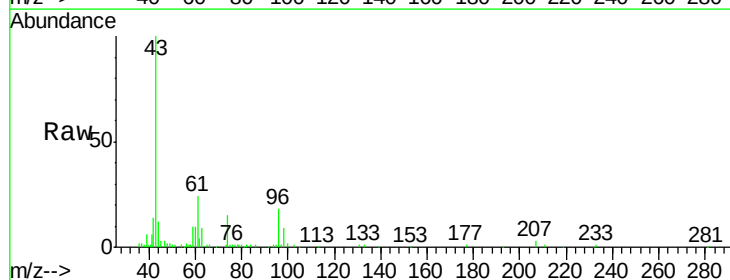
Acq: 23 Jul 2018 16:26

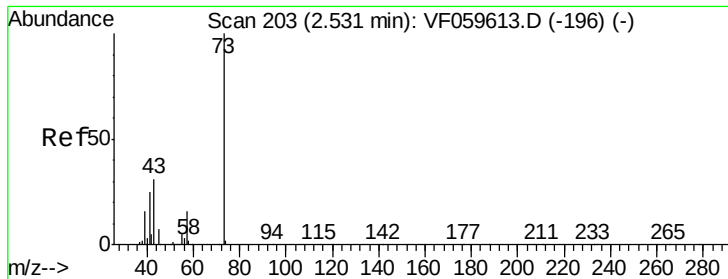
Tgt Ion: 43 Resp: 54590

Ion Ratio Lower Upper

43 100

74 15.0 11.4 17.0





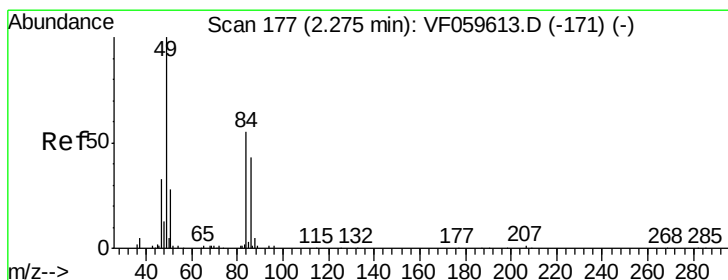
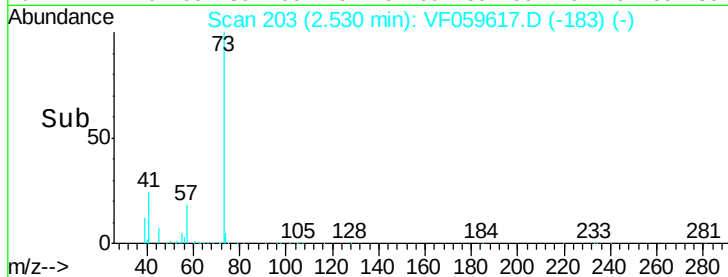
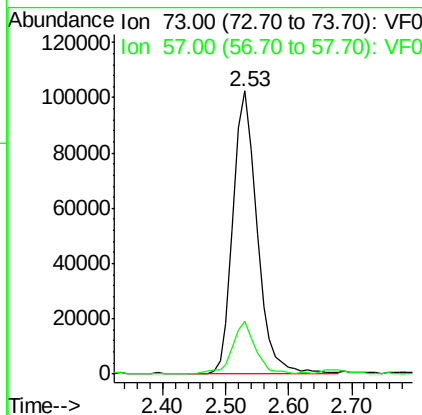
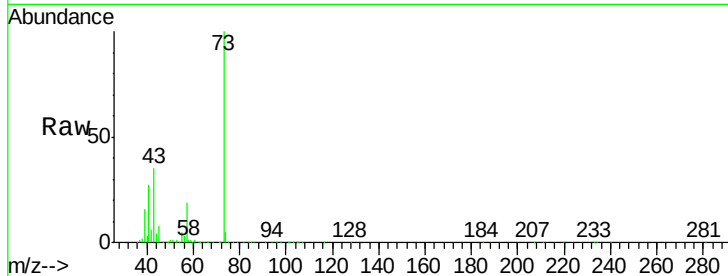
#19
Methyl tert-butyl Ether
Concen: 47.33 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	13.2	19.8

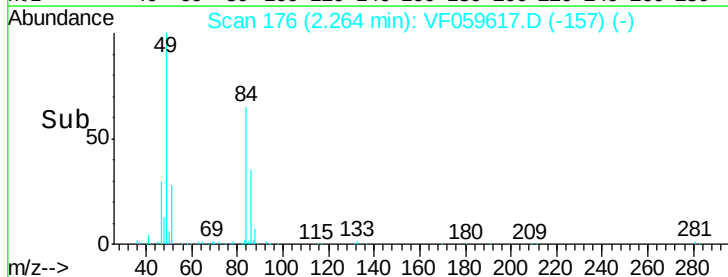
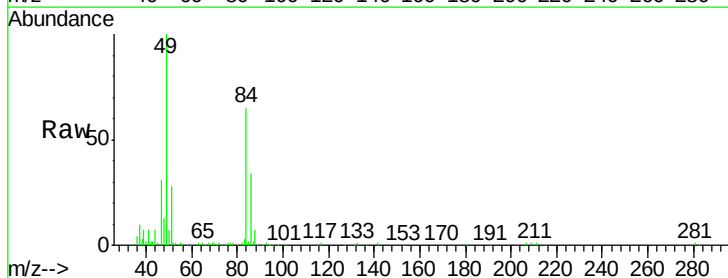
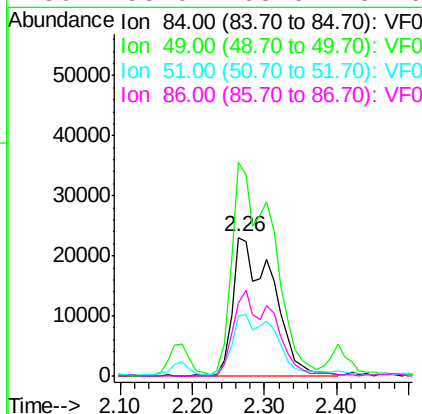
Manual Integrations
APPROVED

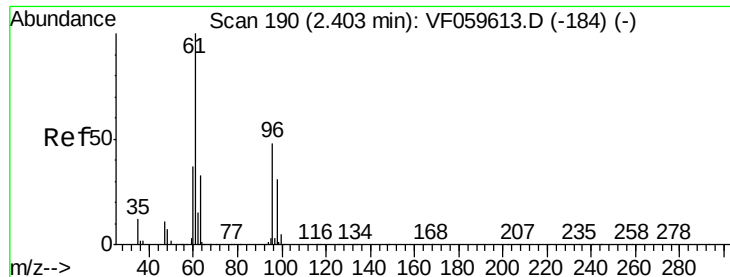
apatel
7/24/2018 1:13:51 PM



#20
Methylene Chloride
Concen: 51.83 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.2	148.6	222.8
51	43.3	42.7	64.1
86	53.0	63.0	94.6





#21

trans-1,2-Dichloroethene

Concen: 44.78 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

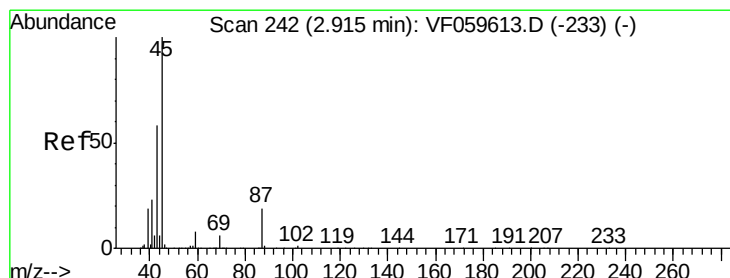
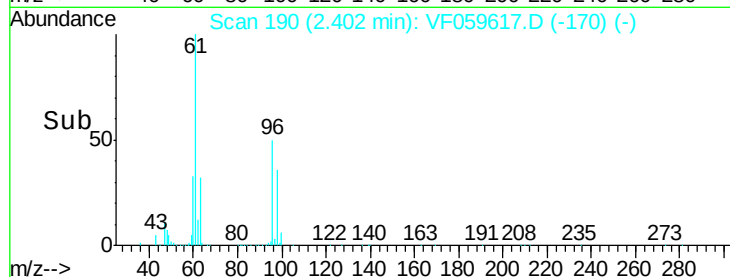
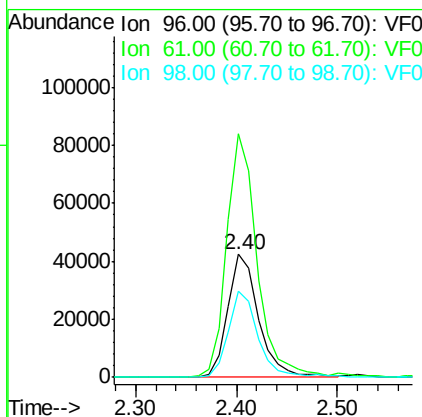
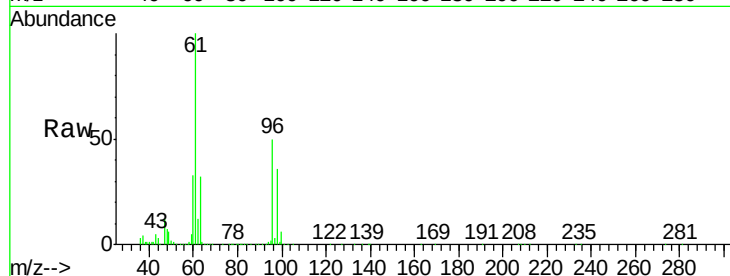
ClientSampleId :

ICVVF072318

Tot Ion:	96	Resp:	90063
Ion	Ratio	Lower	Upper
96	100		
61	198.1	167.0	250.6
98	70.5	51.8	77.8

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#22

Diisopropyl ether

Concen: 50.14 ug/l

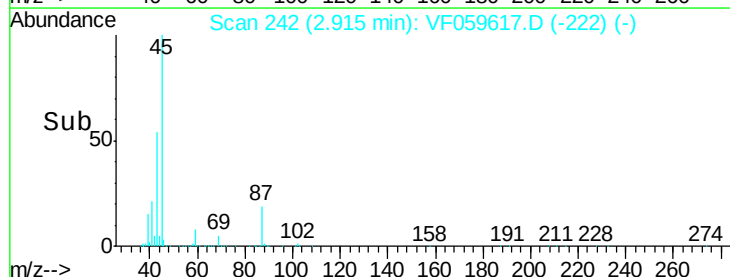
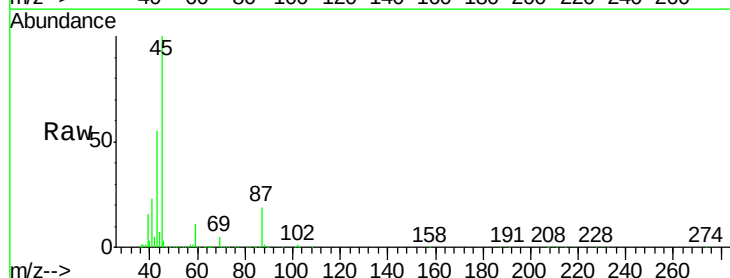
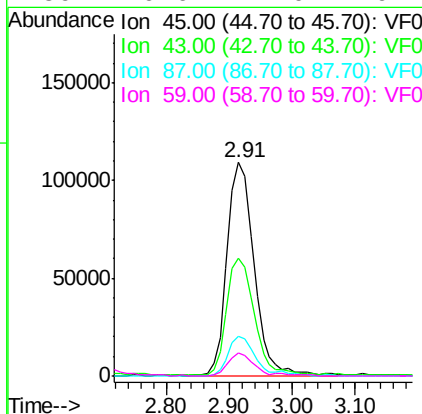
RT: 2.91 min Scan# 242

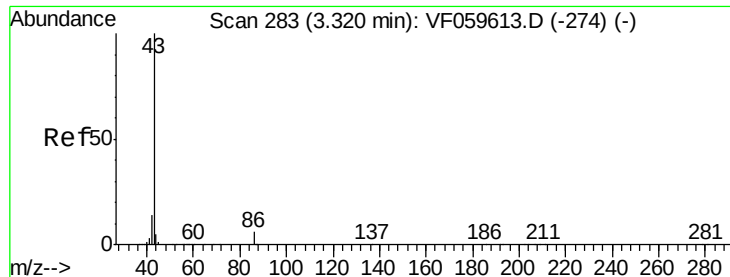
Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	45	Resp:	325476
Ion	Ratio	Lower	Upper
45	100		
43	55.1	46.7	70.1
87	18.7	15.0	22.6
59	10.6	7.0	10.4#





#23

Vinyl Acetate

Concen: 256.08 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 43 Resp: 836744

Ion Ratio Lower Upper

43 100

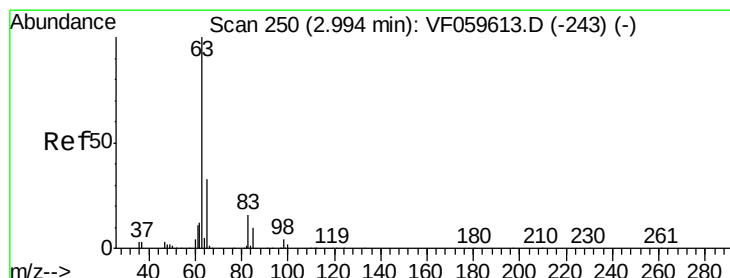
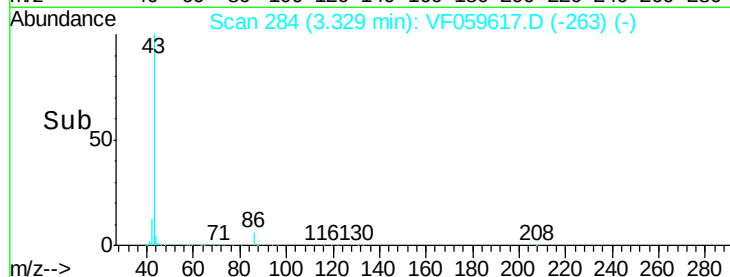
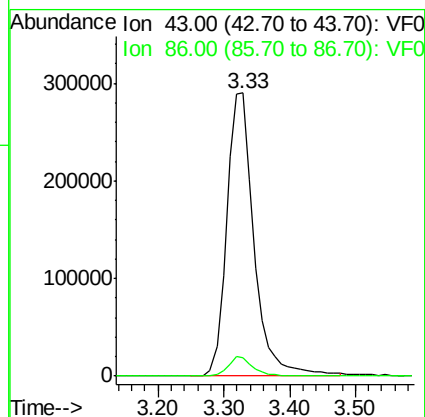
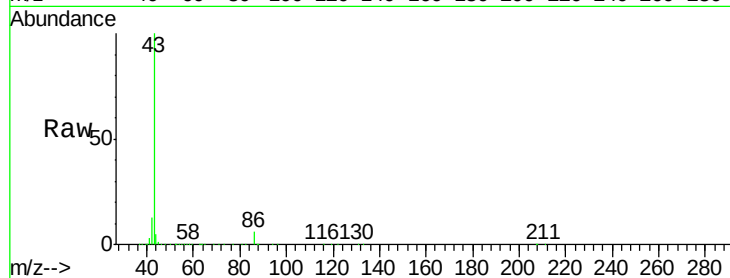
86 6.4 4.6 6.8

Manual Integrations

APPROVED

apatel

7/24/2018 1:13:51 PM



#24

1,1-Dichloroethane

Concen: 46.32 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

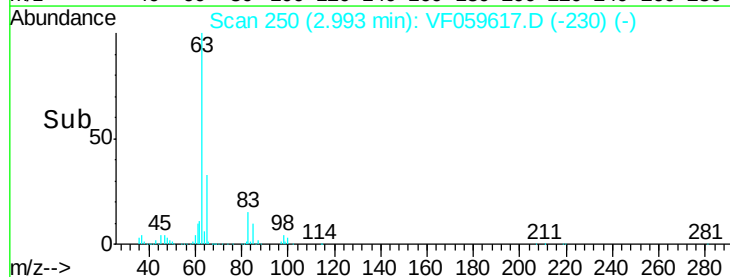
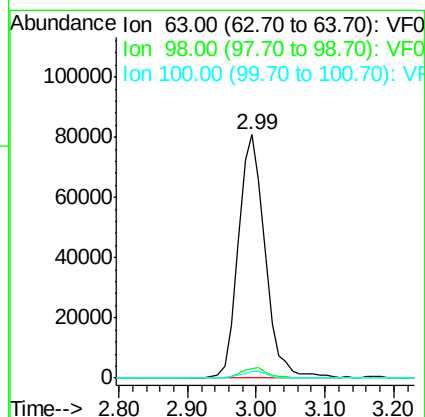
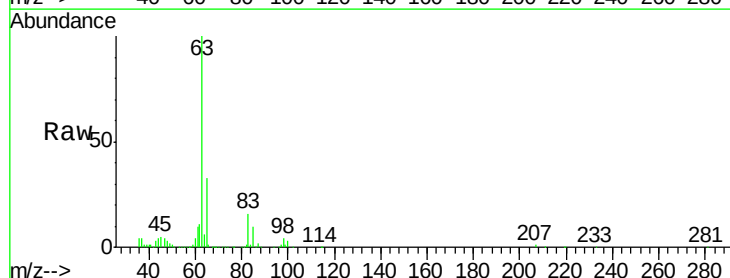
Tgt Ion: 63 Resp: 215530

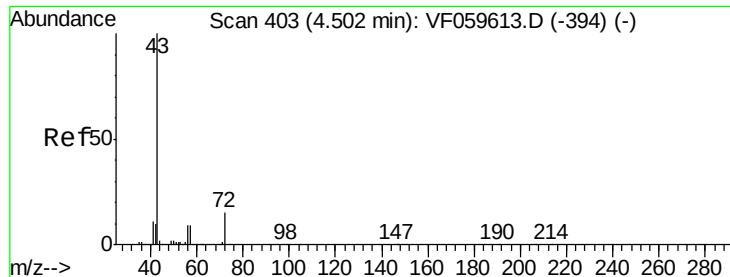
Ion Ratio Lower Upper

63 100

98 4.1 1.9 5.7

100 2.9 1.2 3.6





#25

2-Butanone

Concen: 258.86 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 43 Resp: 201001

Ion Ratio Lower Upper

43 100

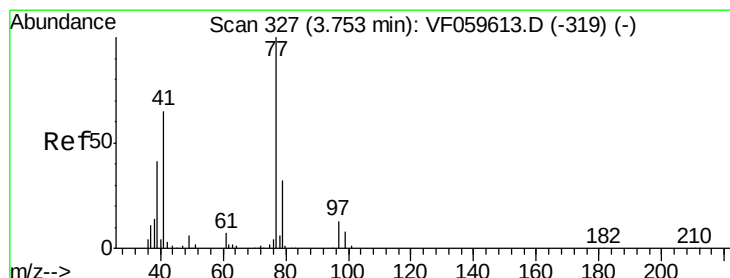
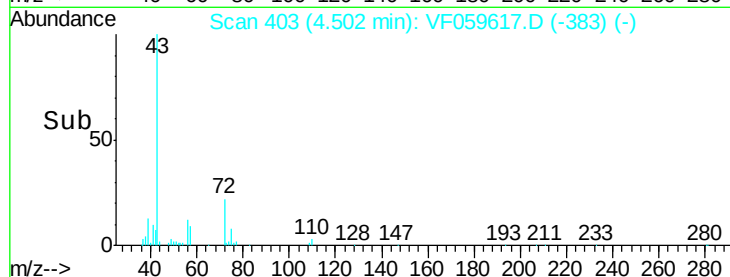
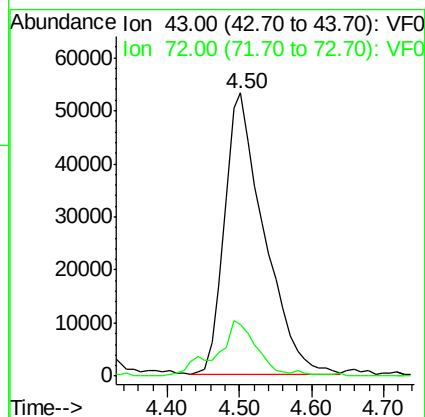
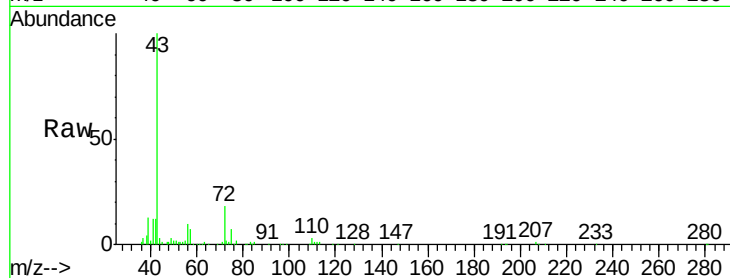
72 18.2 12.9 19.3

Manual Integrations

APPROVED

apatel

7/24/2018 1:13:51 PM



#26

2,2-Dichloropropane

Concen: 44.79 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059617.D

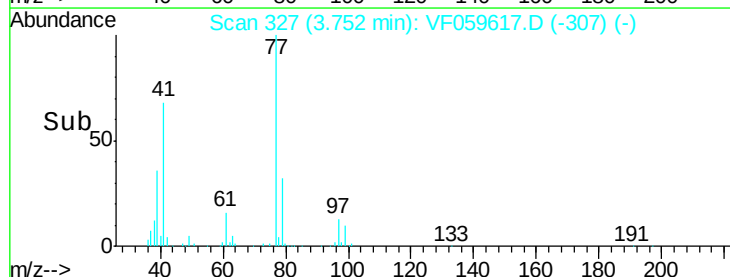
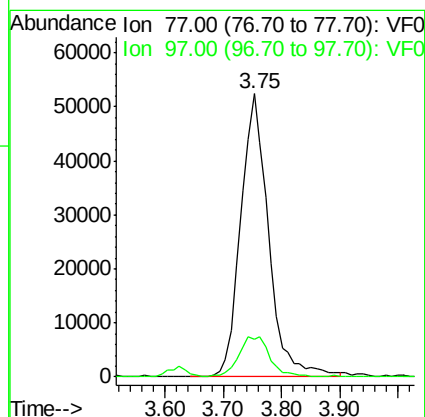
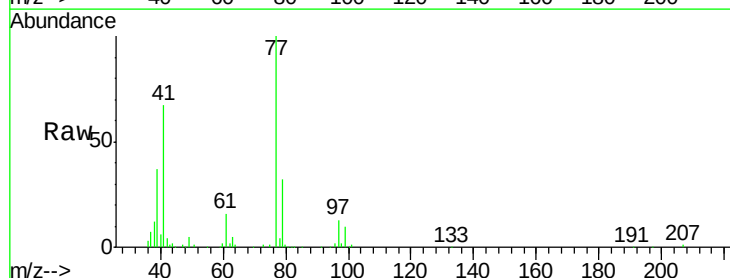
Acq: 23 Jul 2018 16:26

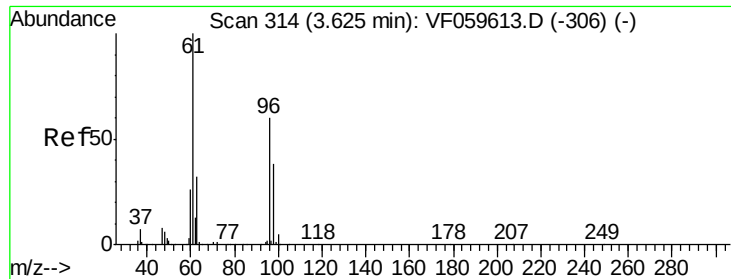
Tgt Ion: 77 Resp: 175651

Ion Ratio Lower Upper

77 100

97 13.3 7.1 21.3





#27

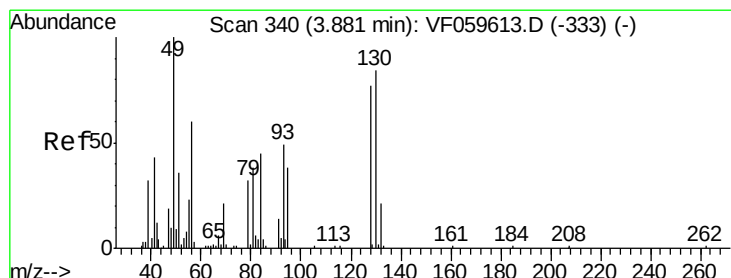
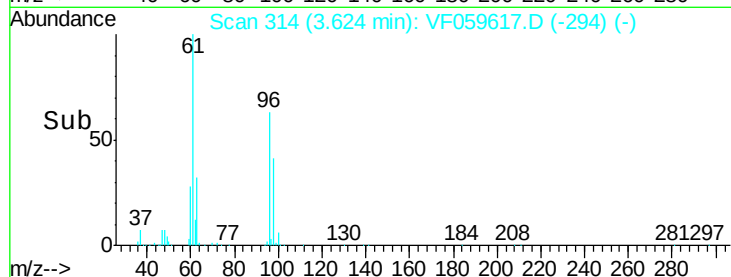
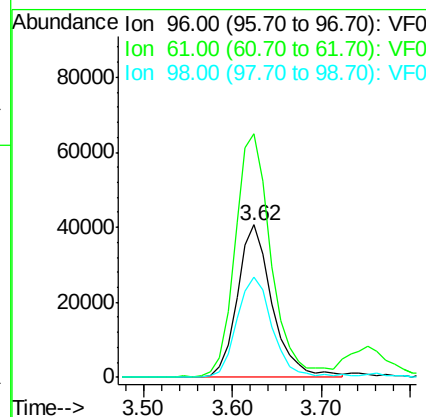
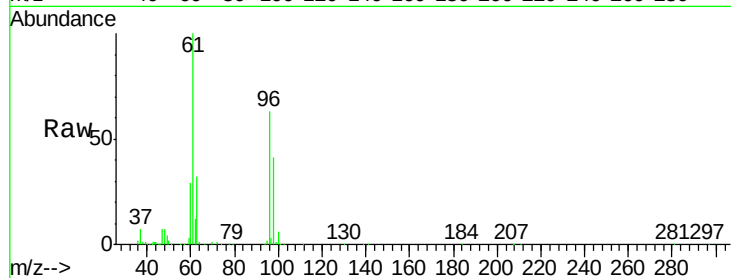
cis-1,2-Dichloroethene
Concen: 48.01 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.9	0.0	335.2	
98	66.2	0.0	126.6	

Manual Integrations
APPROVED

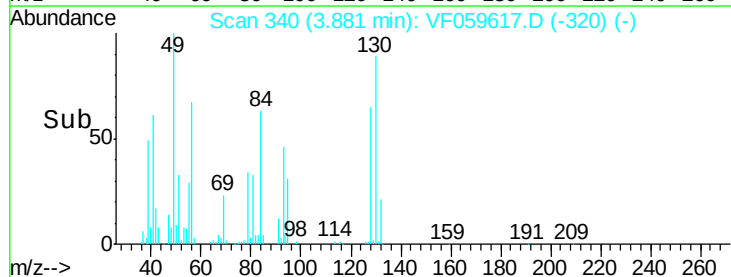
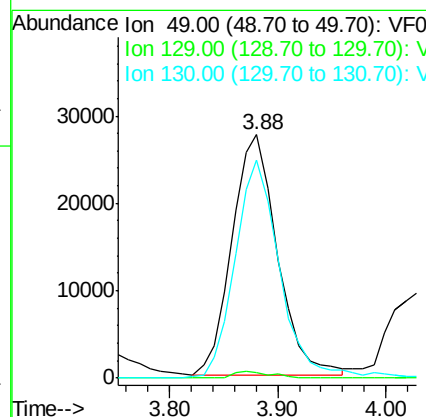
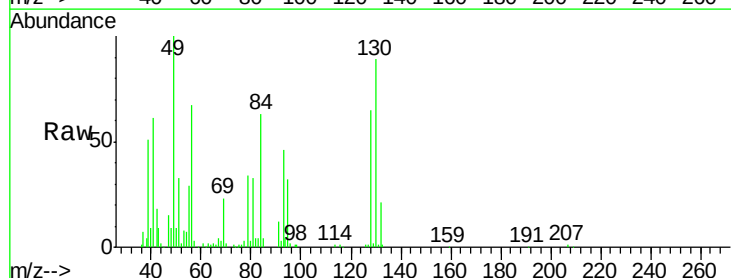
apatel
7/24/2018 1:13:51 PM

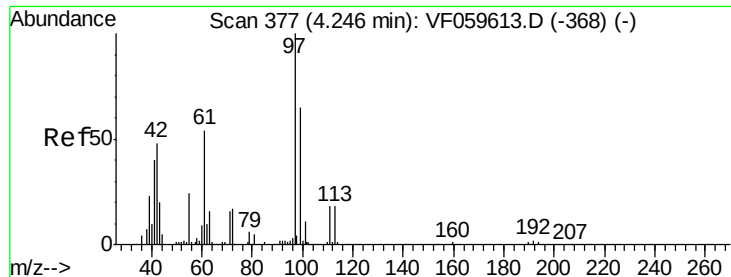


#28

Bromochloromethane
Concen: 47.12 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	89.5	67.1	100.7	





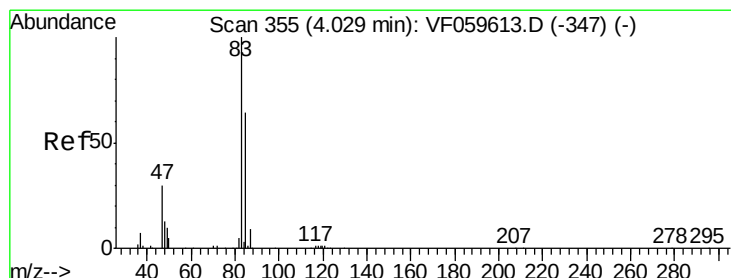
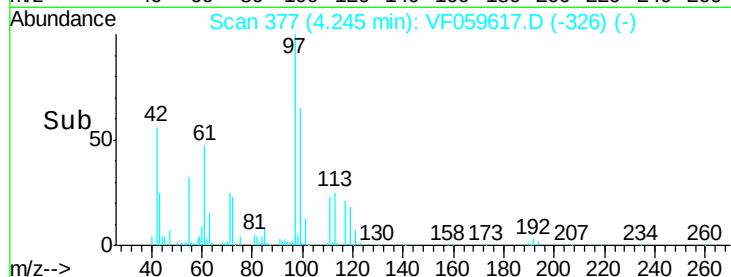
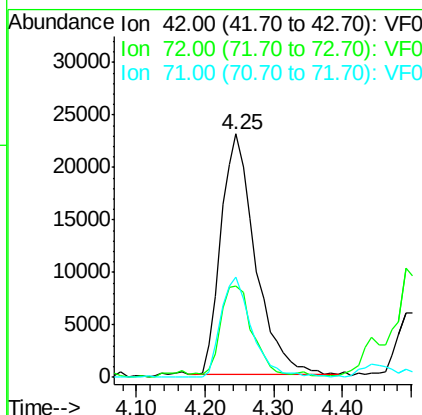
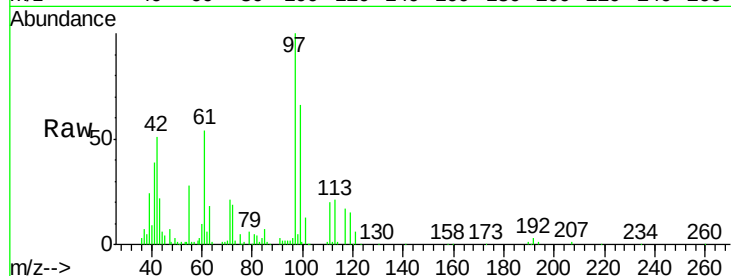
#29
Tetrahydrofuran
Concen: 253.45 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.7	27.9	41.9
71	37.6	29.3	43.9

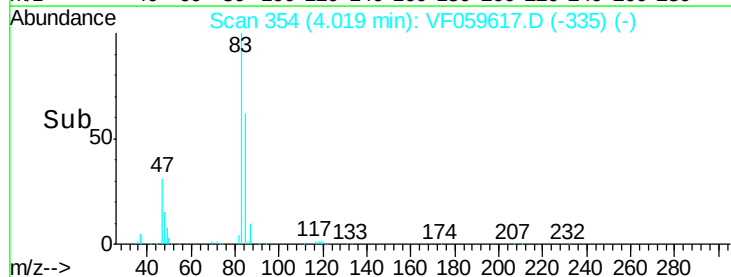
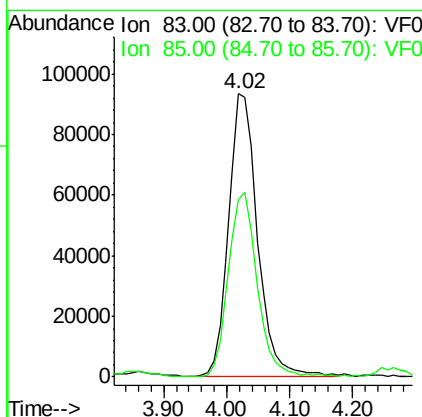
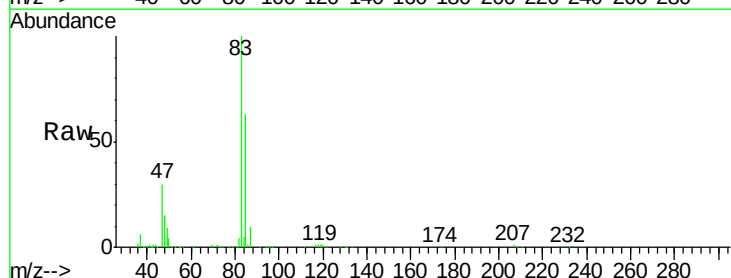
Manual Integrations
APPROVED

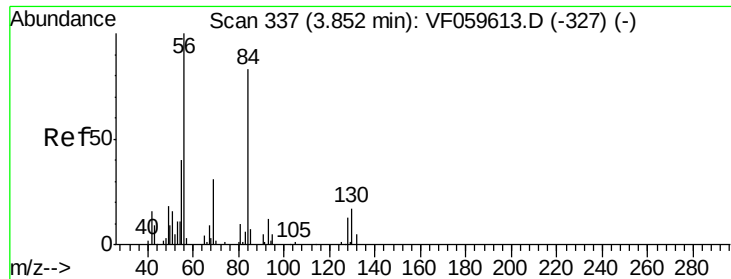
apatel
7/24/2018 1:13:51 PM



#30
Chloroform
Concen: 46.06 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7





#31

Cyclohexane

Concen: 49.02 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

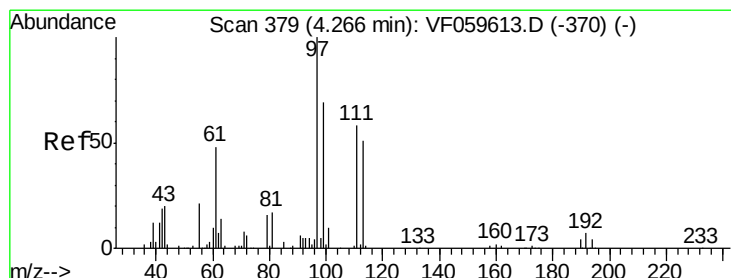
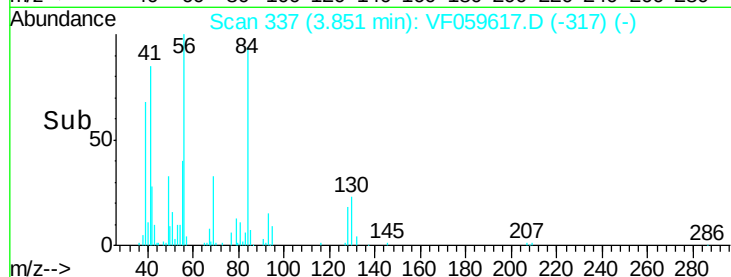
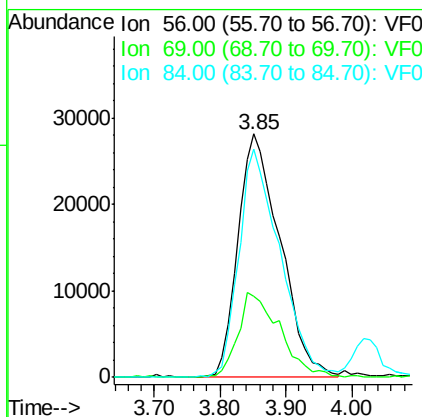
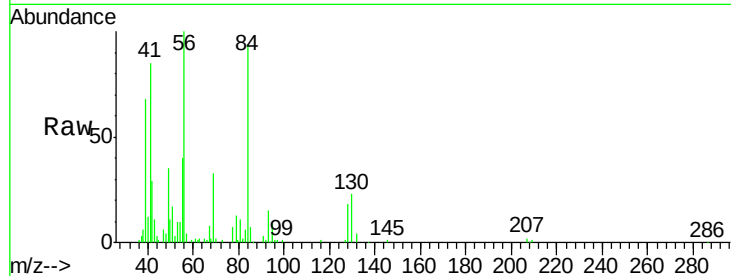
ClientSampleId :

ICVVF072318

Tot Ion:	56	Resp:	126923
Ion Ratio	Lower	Upper	
56	100		
69	33.4	24.6	37.0
84	93.8	66.6	99.8

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#32

1,1,1-Trichloroethane

Concen: 43.55 ug/l

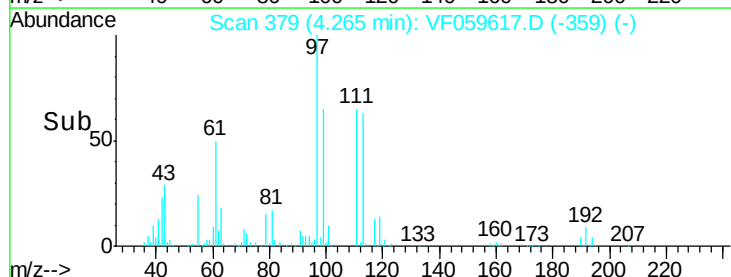
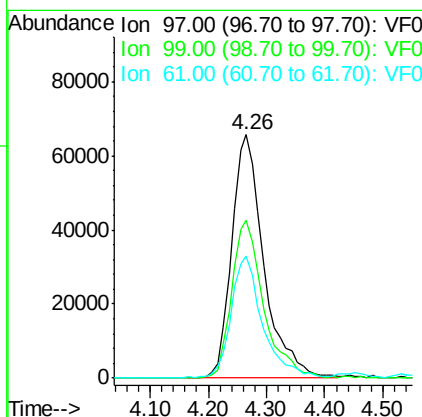
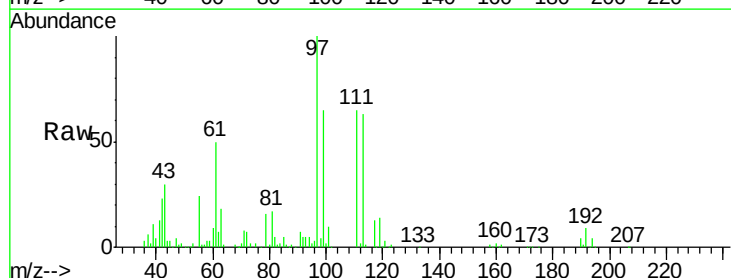
RT: 4.26 min Scan# 379

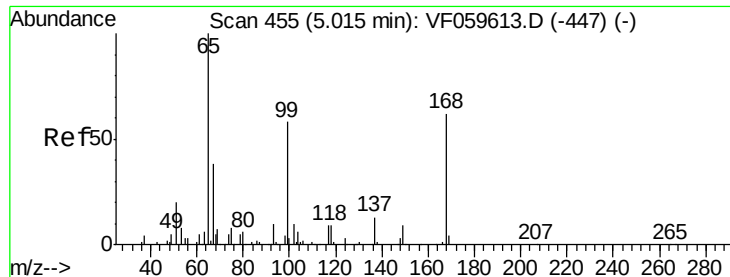
Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	97	Resp:	252225
Ion Ratio	Lower	Upper	
97	100		
99	64.7	55.4	83.2
61	50.3	39.3	58.9





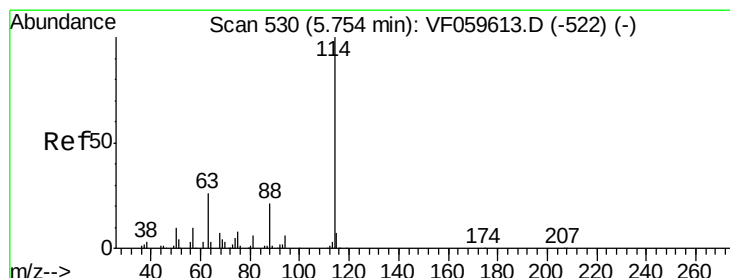
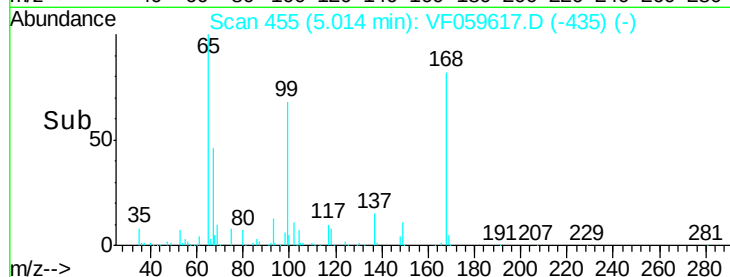
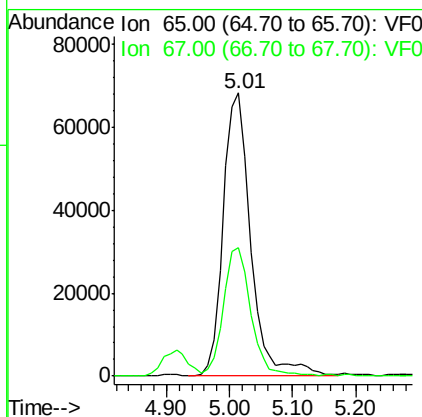
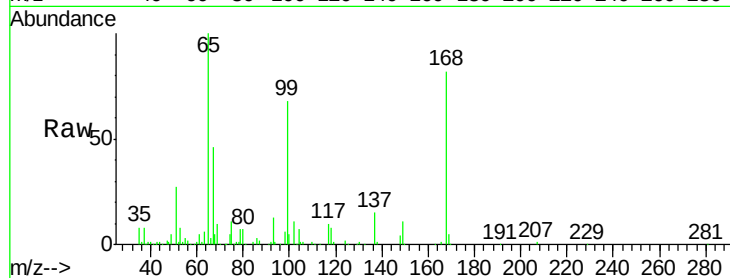
#33
 1,2-Dichloroethane-d4
 Concen: 46.99 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV072318

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206428		
67	45.6	0.0	83.8	

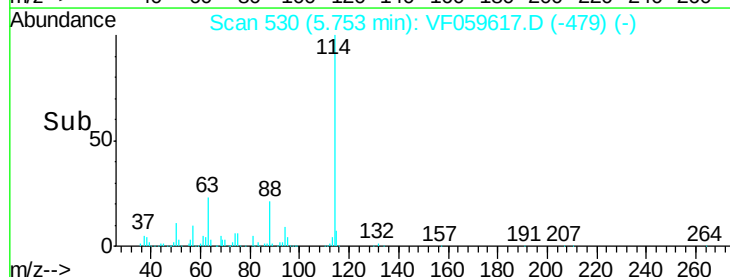
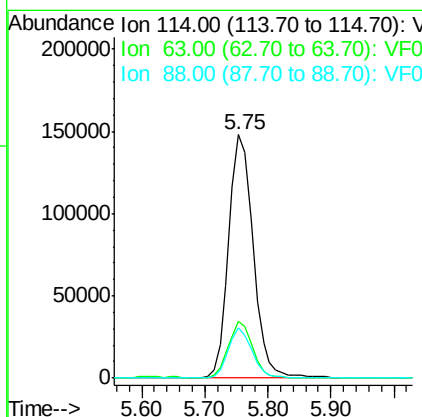
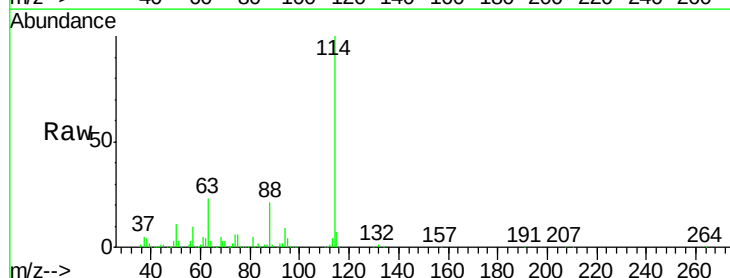
Manual Integrations
 APPROVED

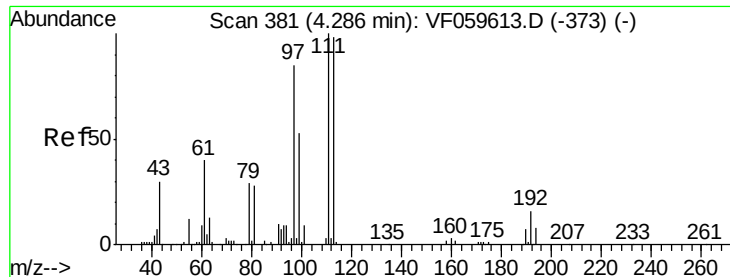
apatel
 7/24/2018 1:13:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401145		
63	23.2	0.0	51.8	
88	20.6	0.0	42.8	





#35

Dibromofluoromethane

Concen: 50.46 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

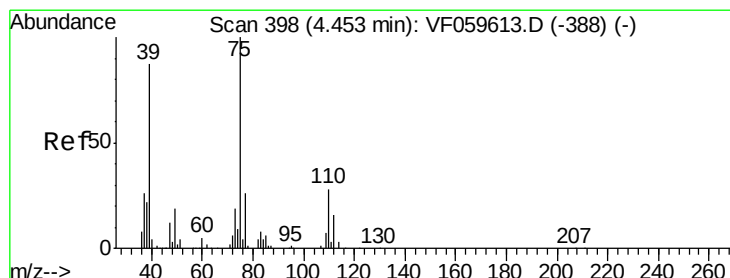
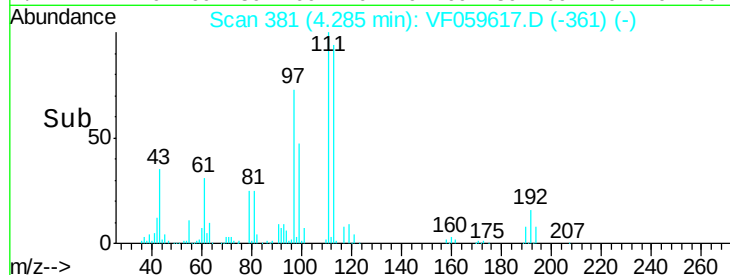
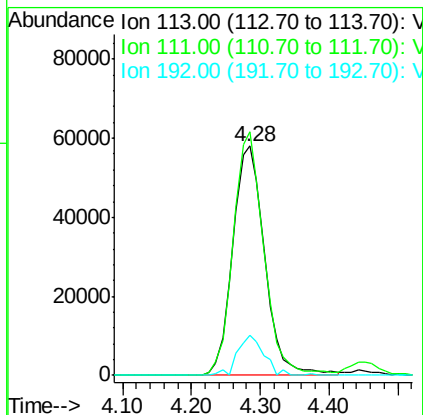
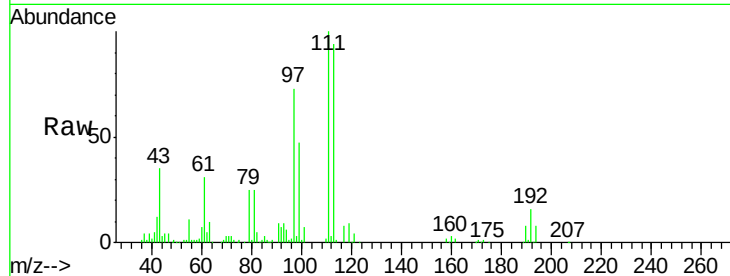
ClientSampleId :

ICVVF072318

Tot Ion:	113	Resp:	186769
Ion Ratio	Lower	Upper	
113	100		
111	106.2	81.5	122.3
192	17.4	13.4	20.2

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#36

1,1-Dichloropropene

Concen: 46.45 ug/l

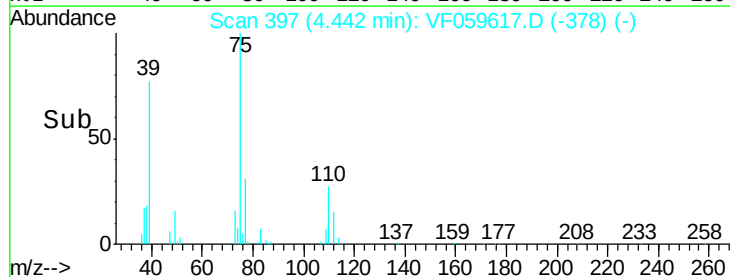
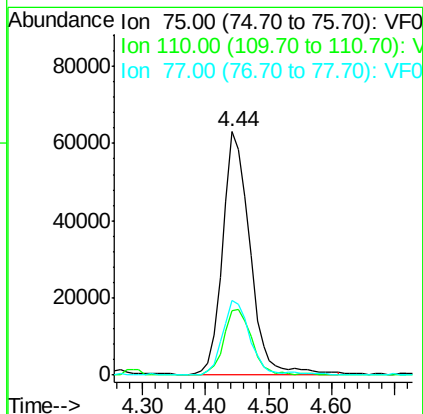
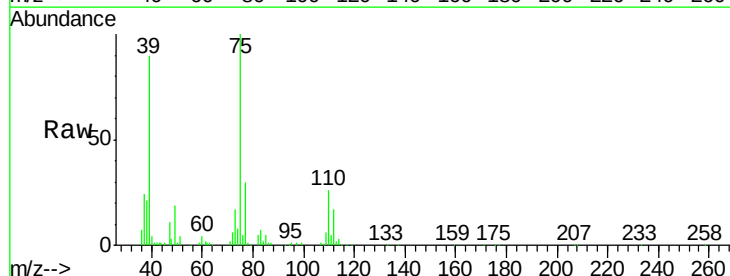
RT: 4.44 min Scan# 397

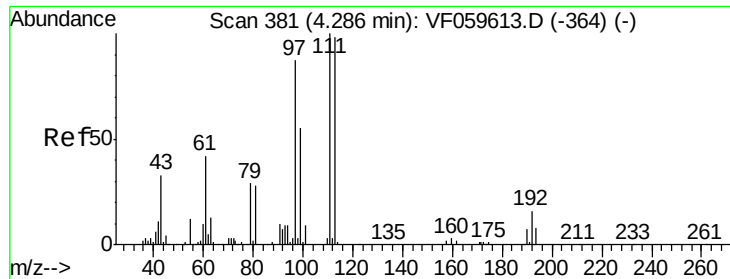
Delta R.T. -0.01 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	75	Resp:	188701
Ion Ratio	Lower	Upper	
75	100		
110	26.4	14.2	42.6
77	30.5	20.3	30.5#





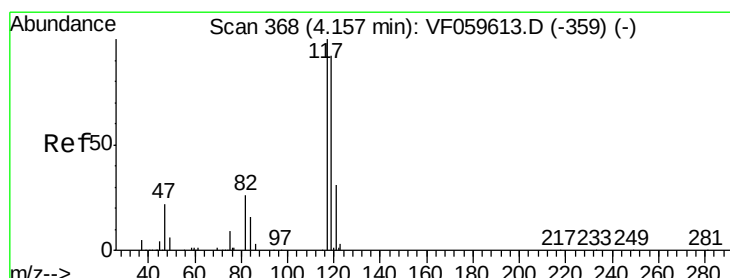
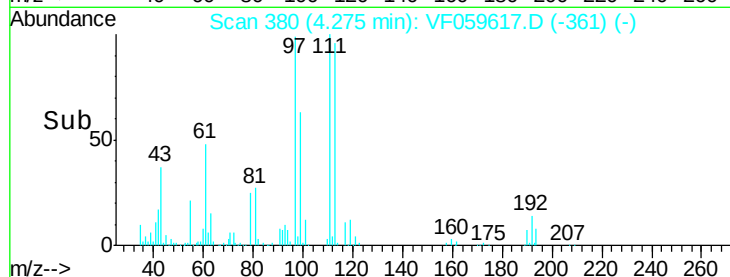
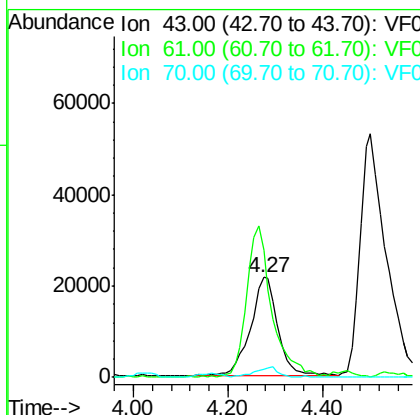
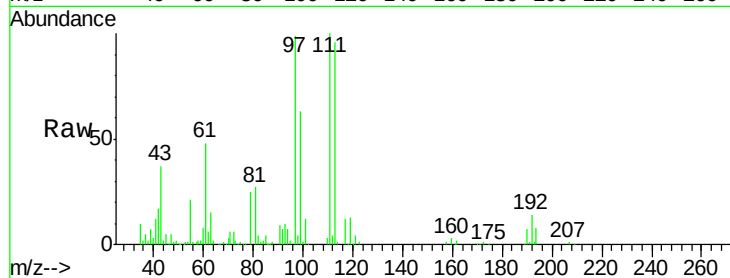
#37
Ethyl Acetate
Concen: 54.24 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ratio	Lower	Upper
43	100		
61	127.3	101.9	152.9
70	7.8	7.9	11.9#

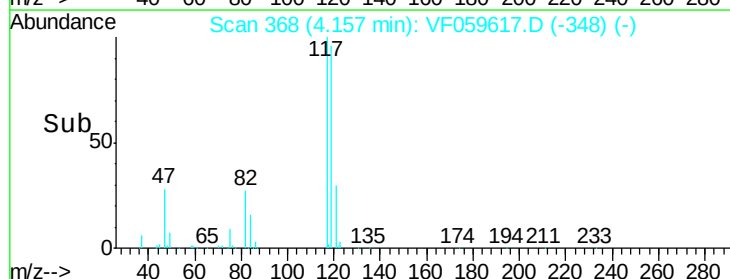
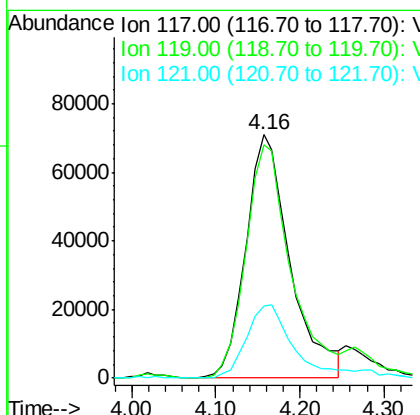
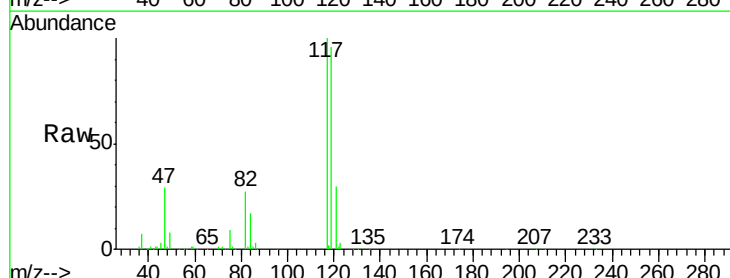
Manual Integrations
APPROVED

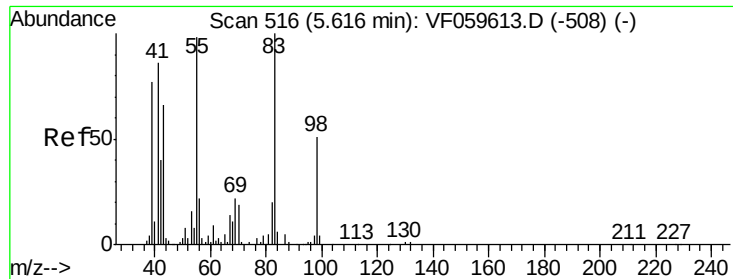
apatel
7/24/2018 1:13:51 PM



#38
Carbon Tetrachloride
Concen: 41.78 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.2	111.4
121	29.7	24.7	37.1





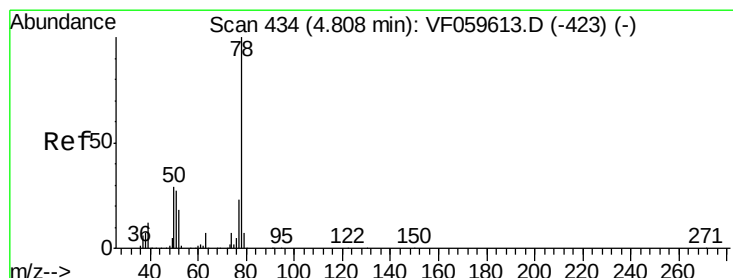
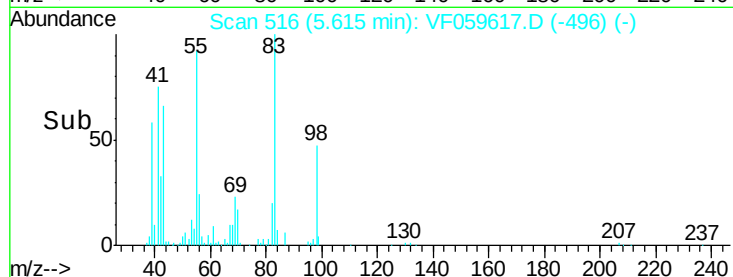
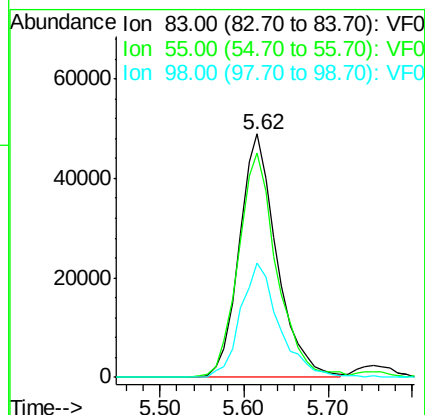
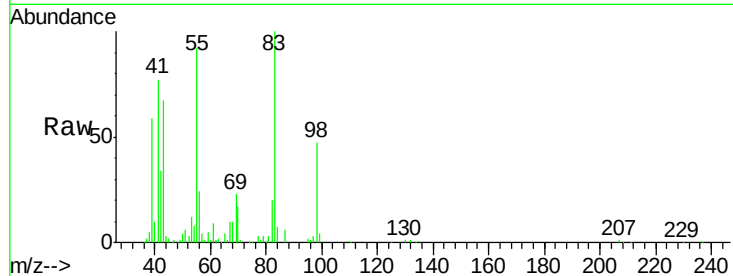
#39
Methylvlcyclohexane
Concen: 46.21 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.3	78.5	117.7
98	47.0	41.1	61.7

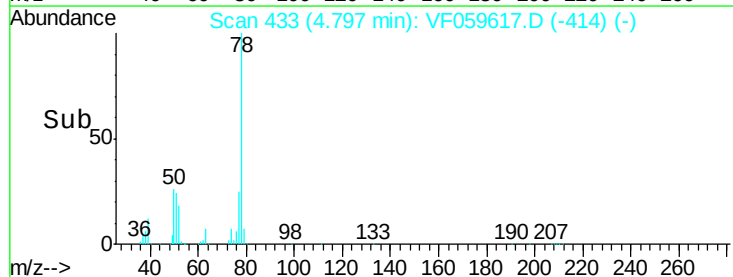
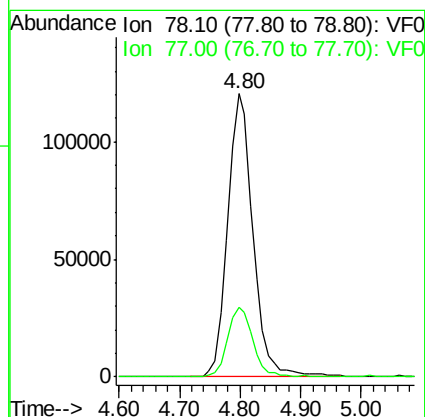
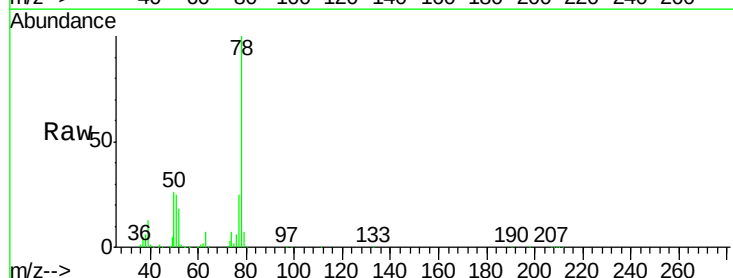
Manual Integrations
APPROVED

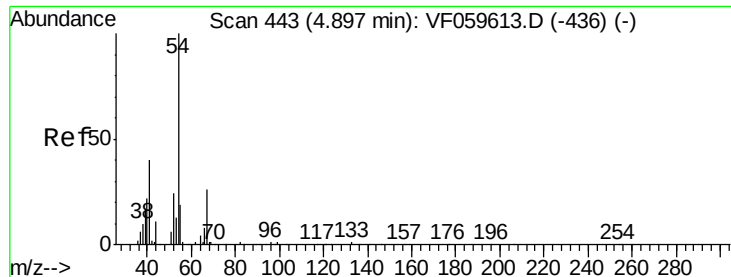
apatel
7/24/2018 1:13:51 PM



#40
Benzene
Concen: 47.05 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.4	27.6





#41

Methacrylonitrile

Concen: 49.20 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 41 Resp: 41194

Ion Ratio Lower Upper

41 100

39 74.8 58.2 87.4

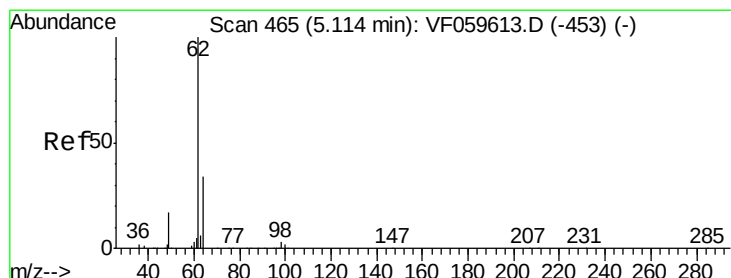
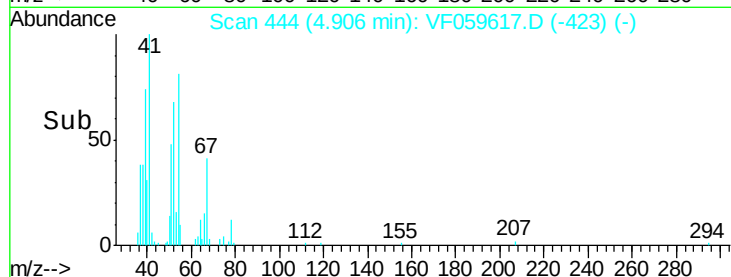
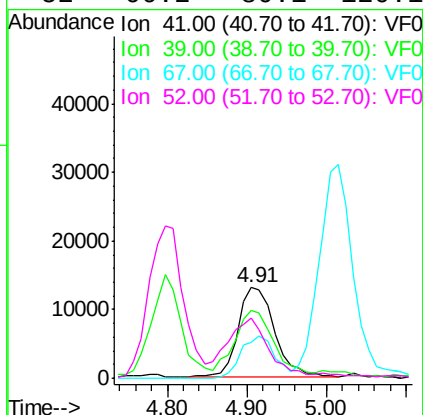
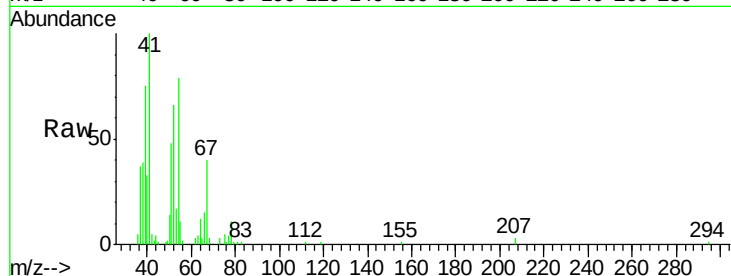
67 39.9 51.0 76.6#

52 66.2 80.1 120.1#

Manual Integrations
APPROVED

apatel

7/24/2018 1:13:51 PM



#42

1,2-Dichloroethane

Concen: 42.48 ug/l

RT: 5.10 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059617.D

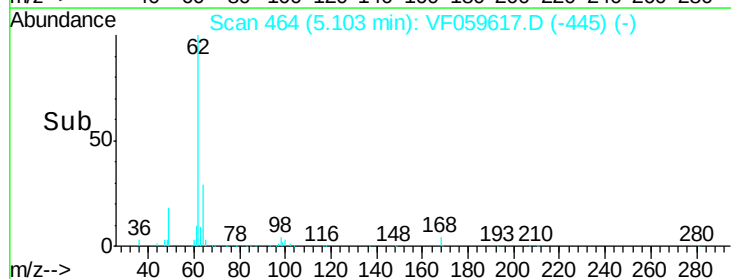
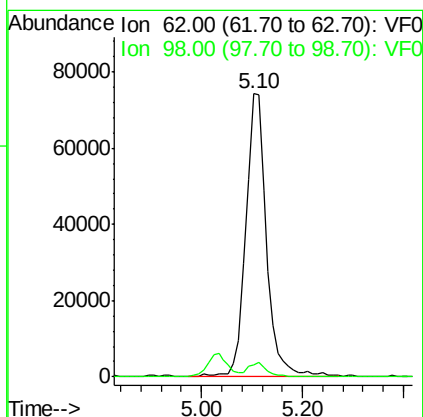
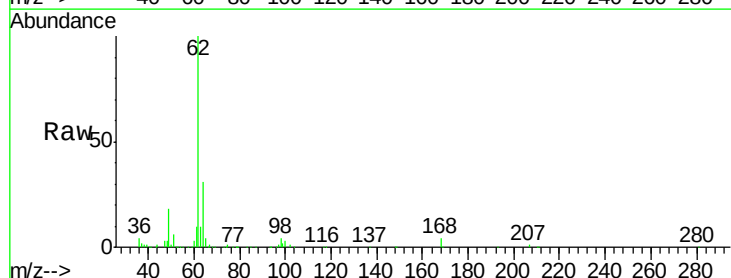
Acq: 23 Jul 2018 16:26

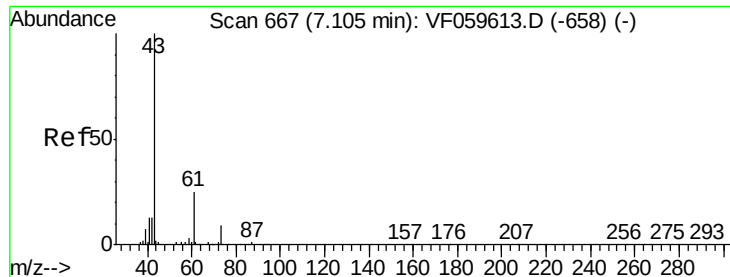
Tgt Ion: 62 Resp: 212939

Ion Ratio Lower Upper

62 100

98 4.3 0.0 8.4





#43

Isopropyl Acetate

Concen: 51.46 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

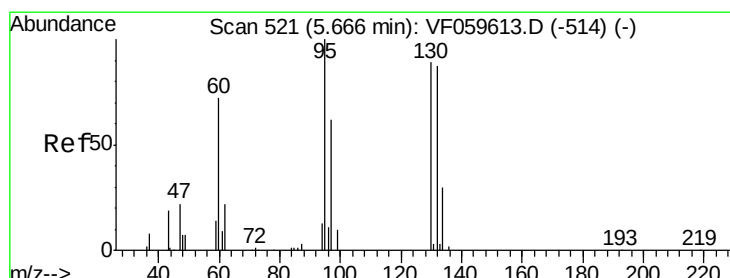
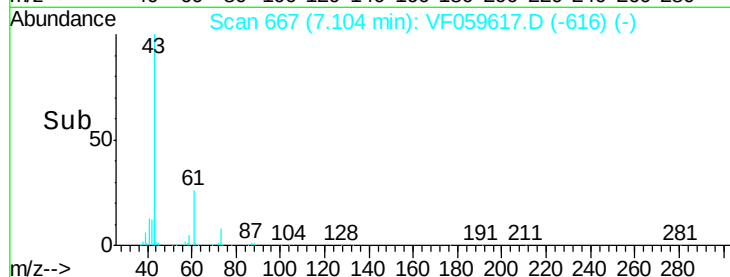
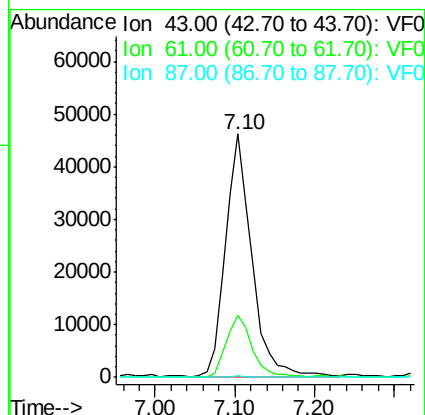
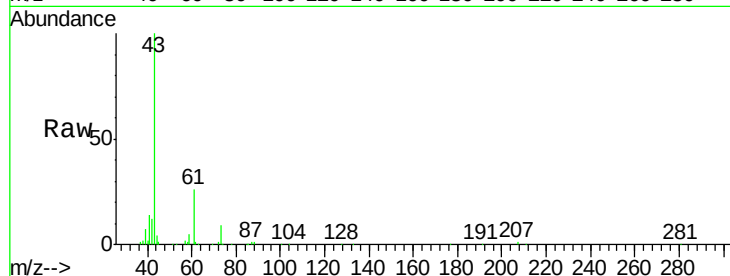
ClientSampleId :

ICVVF072318

Tot Ion:	43	Resp:	107388
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.1	30.1
87	0.7	0.5	0.7

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#44

Trichloroethene

Concen: 45.15 ug/l

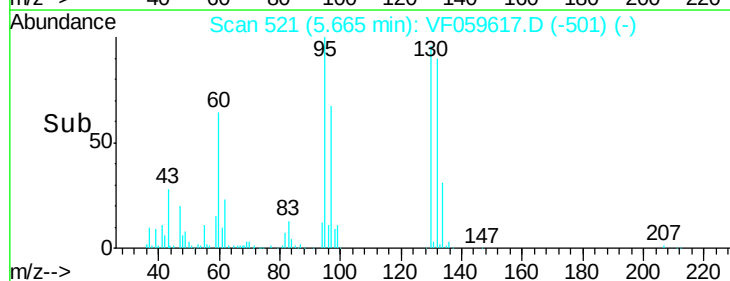
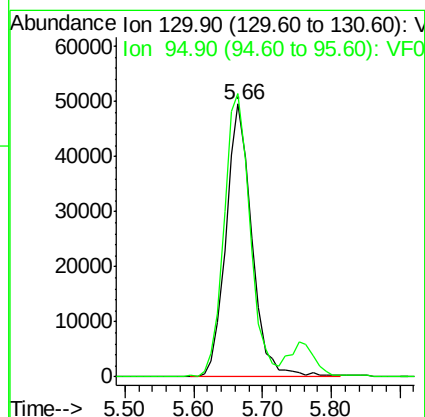
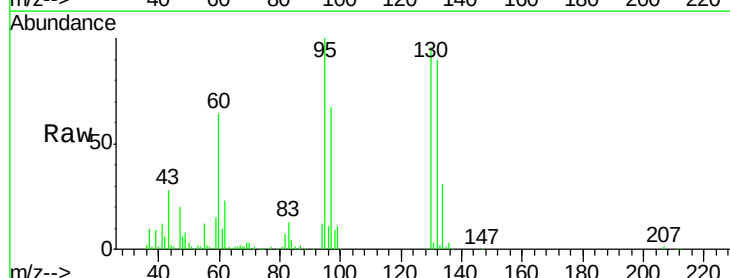
RT: 5.66 min Scan# 521

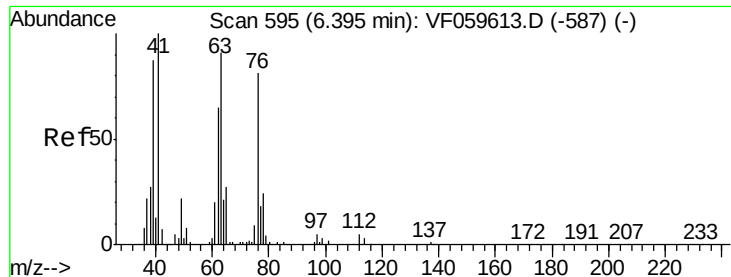
Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	130	Resp:	129218
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	226.4





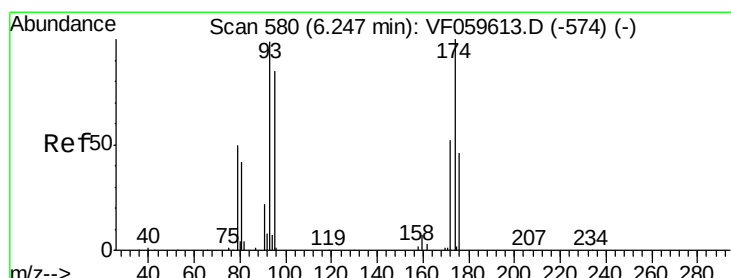
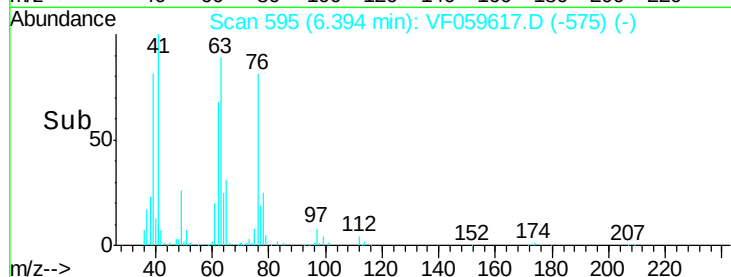
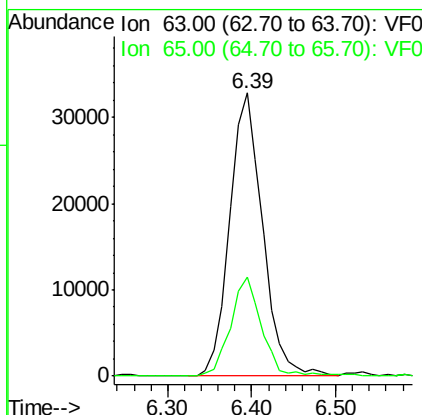
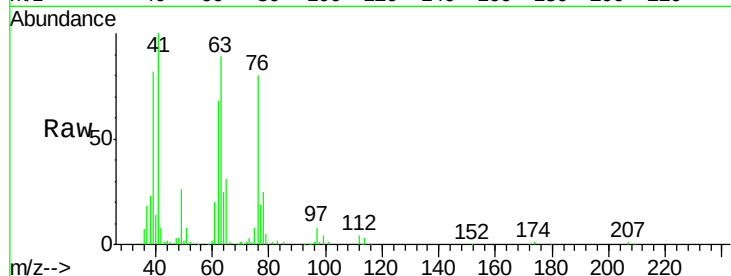
#45
 1,2-Dichloropropane
 Concen: 44.47 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF072318

Tot Ion: 63 Resp: 89381
 Ion Ratio Lower Upper
 63 100
 65 34.8 23.4 35.0

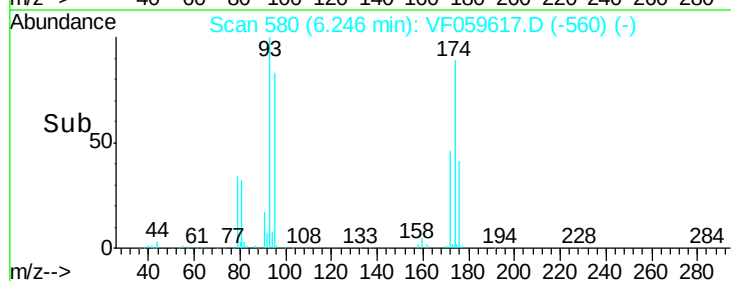
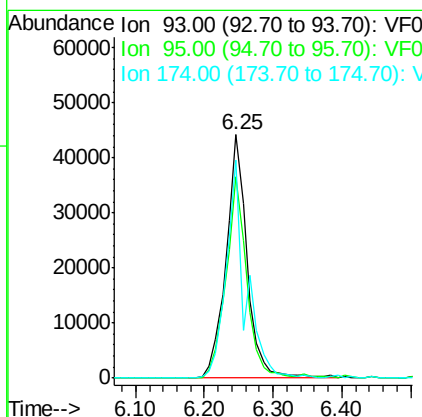
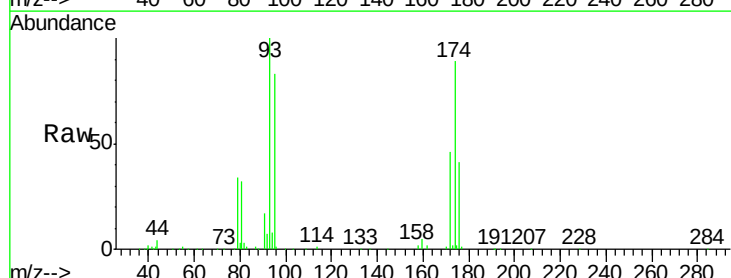
Manual Integrations
 APPROVED

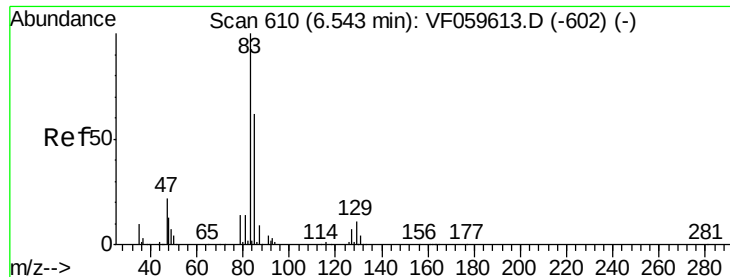
apatel
 7/24/2018 1:13:51 PM



#46
 Dibromomethane
 Concen: 56.33 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Tgt Ion: 93 Resp: 93783
 Ion Ratio Lower Upper
 93 100
 95 82.6 68.6 102.8
 174 91.1 80.8 121.2





#47

Bromodichloromethane

Concen: 44.16 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

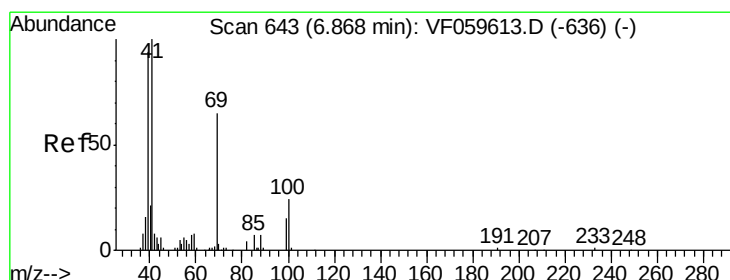
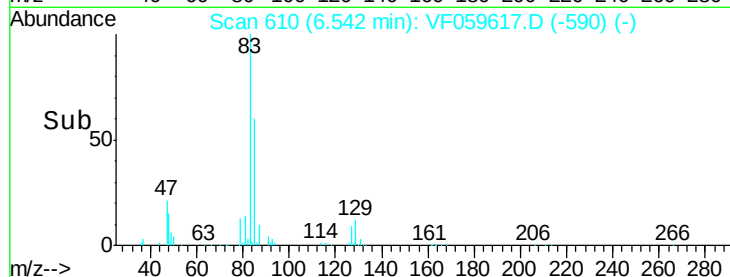
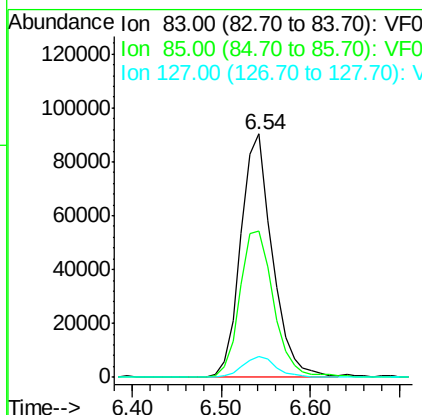
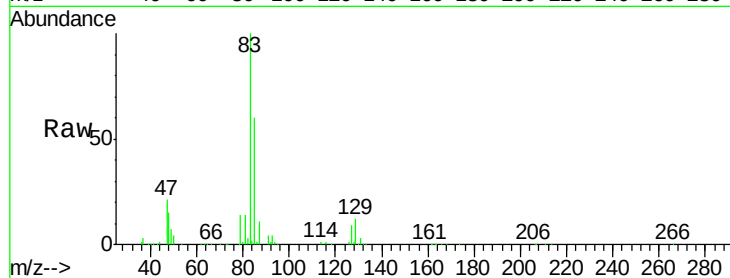
ClientSampleId :

ICVVF072318

Tot Ion:	83	Resp:	223123
Ion Ratio	Lower	Upper	
83	100		
85	59.9	49.4	74.0
127	8.8	5.9	8.9

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#48

Methyl methacrylate

Concen: 47.55 ug/l

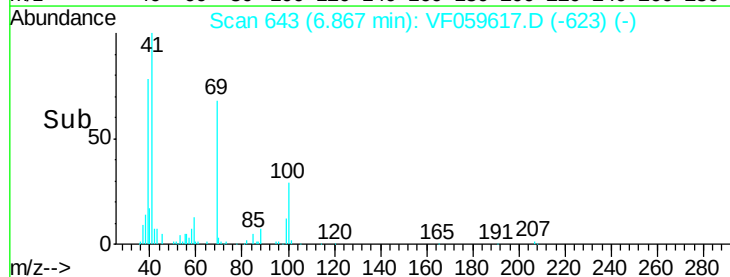
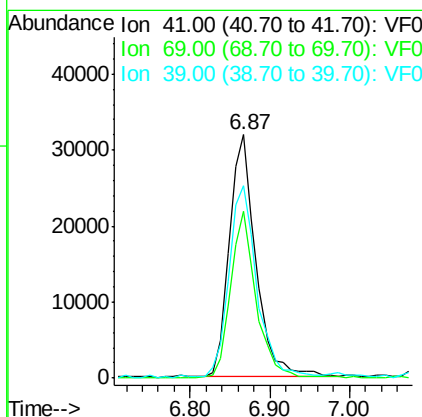
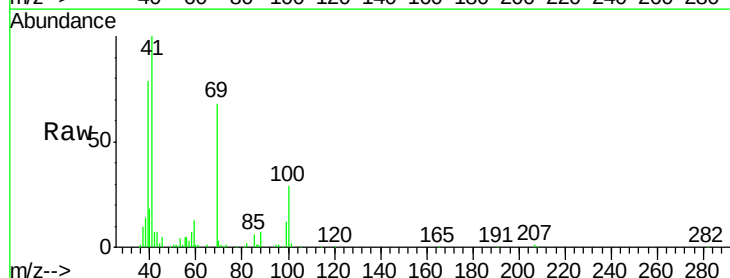
RT: 6.87 min Scan# 643

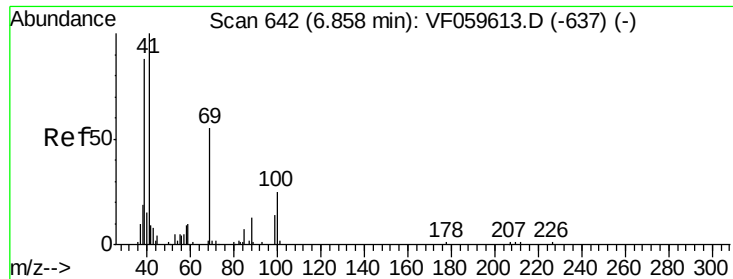
Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	41	Resp:	74217
Ion Ratio	Lower	Upper	
41	100		
69	68.3	51.6	77.4
39	78.9	76.3	114.5





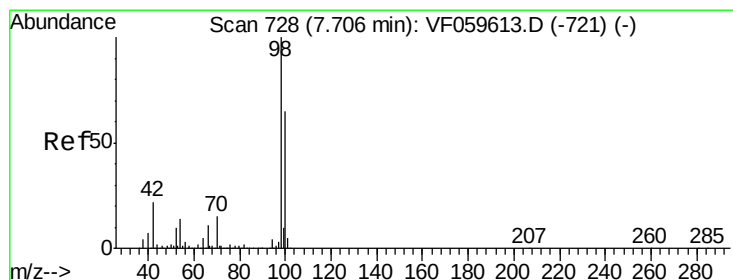
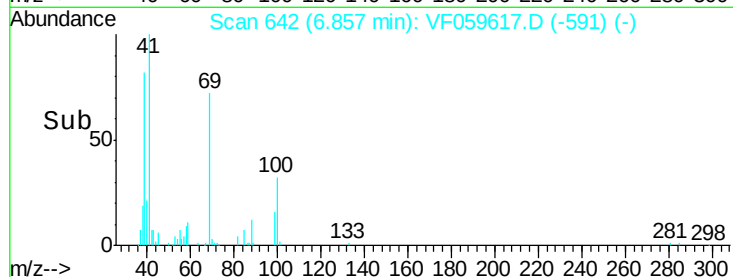
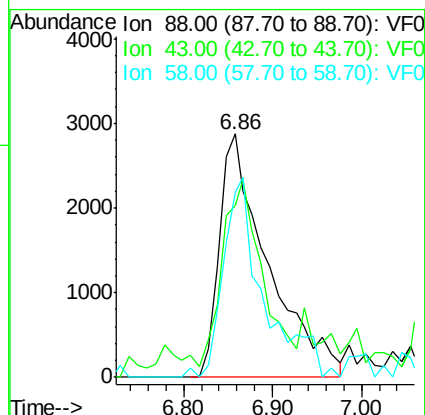
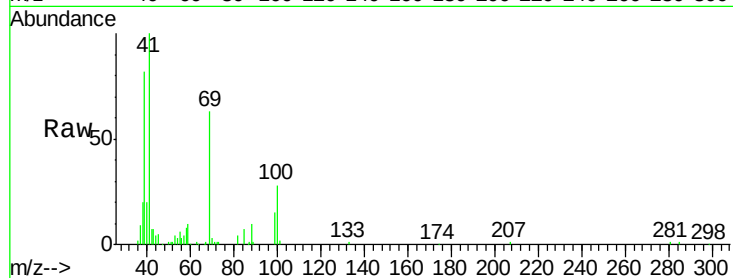
#49
1,4-Dioxane
Concen: 1126.10 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ratio	Lower	Upper
88	100		
43	70.8	54.2	81.4
58	75.7	54.3	81.5

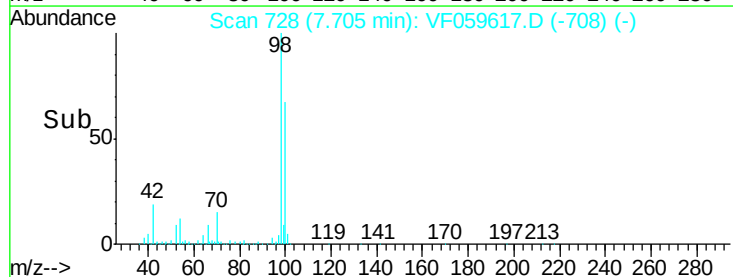
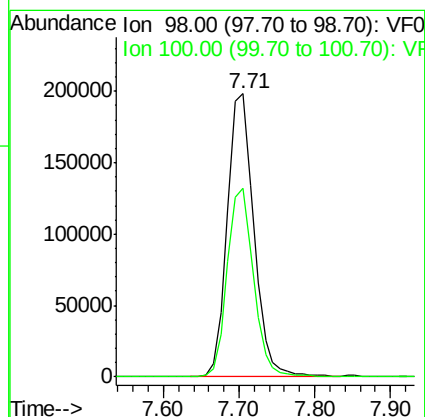
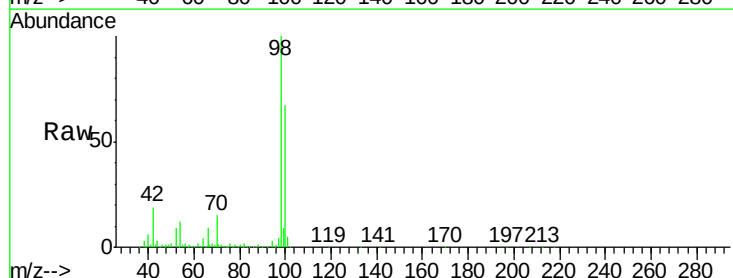
Manual Integrations
APPROVED

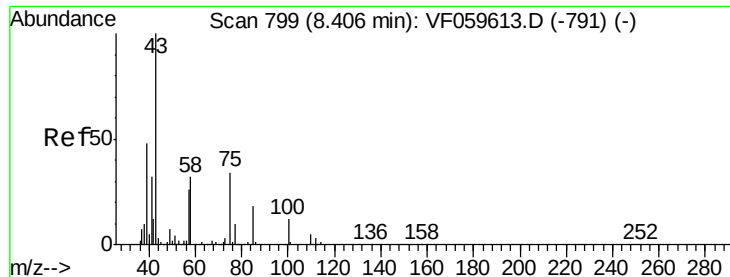
apatel
7/24/2018 1:13:51 PM



#50
Toluene-d8
Concen: 52.24 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 258.37 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 43 Resp: 392846

Ion Ratio Lower Upper

43 100

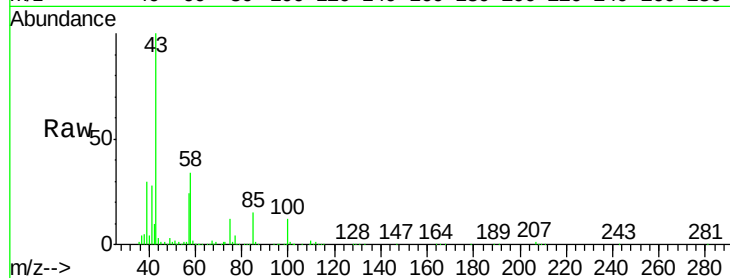
58 34.1 25.8 38.6

Manual Integrations

APPROVED

apatel

7/24/2018 1:13:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

200000

150000

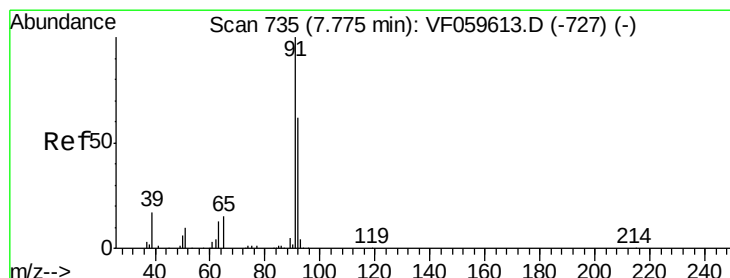
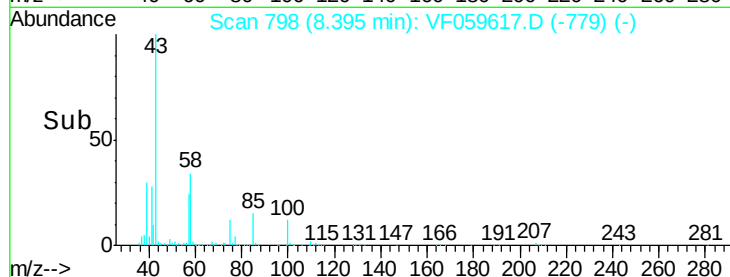
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 44.65 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059617.D

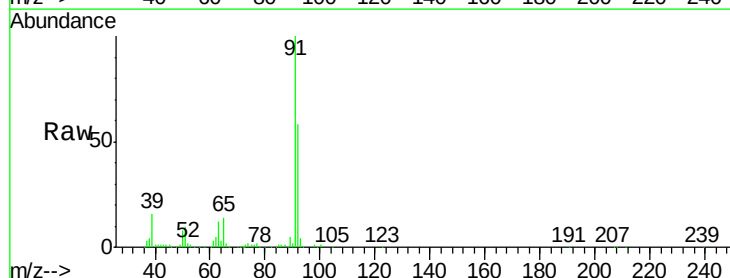
Acq: 23 Jul 2018 16:26

Tgt Ion: 92 Resp: 252397

Ion Ratio Lower Upper

92 100

91 171.6 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

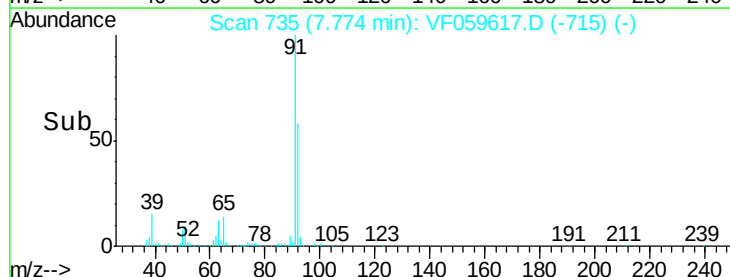
100000

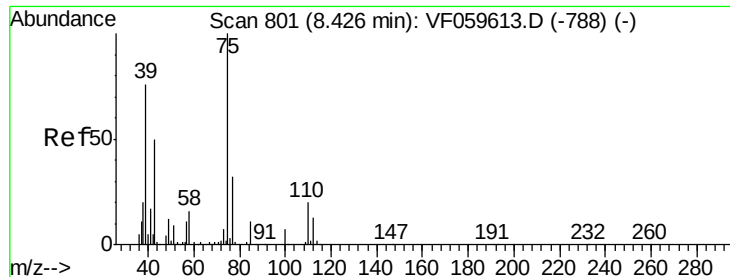
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 44.31 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tot Ion: 75 Resp: 189265

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

Instrument :

MSVOA_F

ClientSampleId :

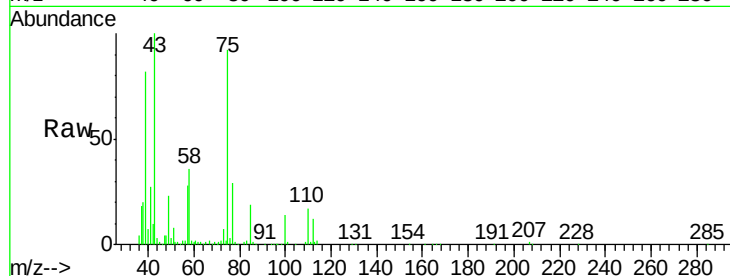
ICVVF072318

Manual Integrations

APPROVED

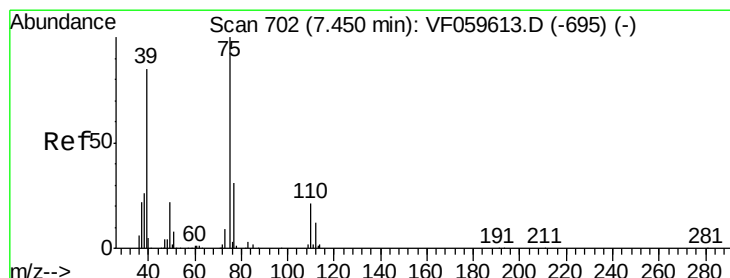
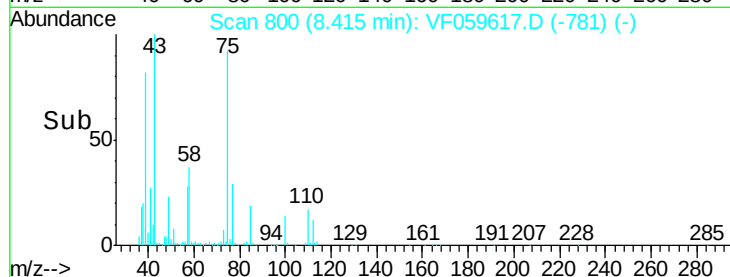
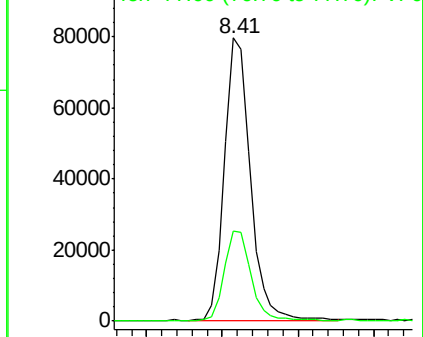
apatel

7/24/2018 1:13:51 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: 48.20 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

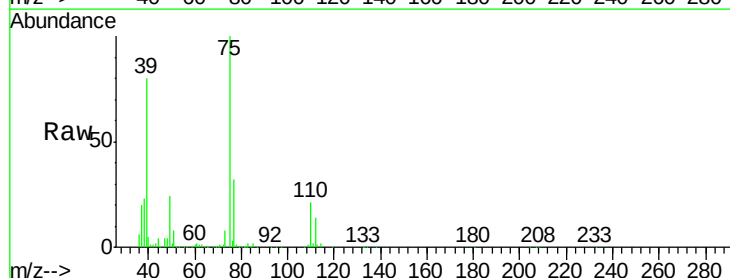
Tgt Ion: 75 Resp: 204100

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0

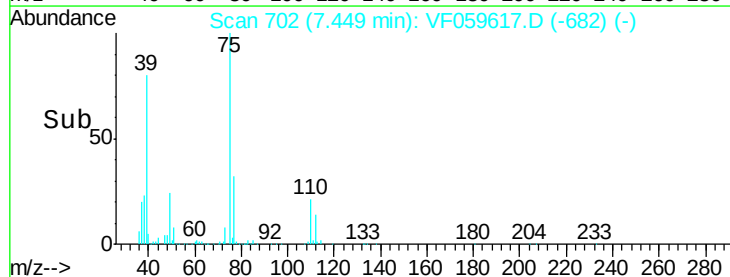
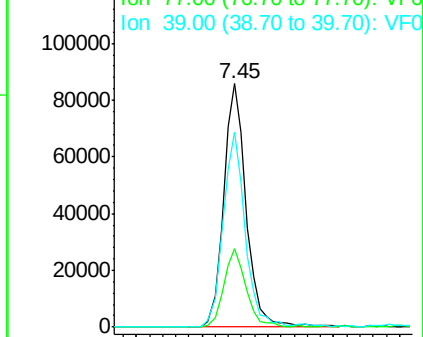
39 80.3 67.8 101.6

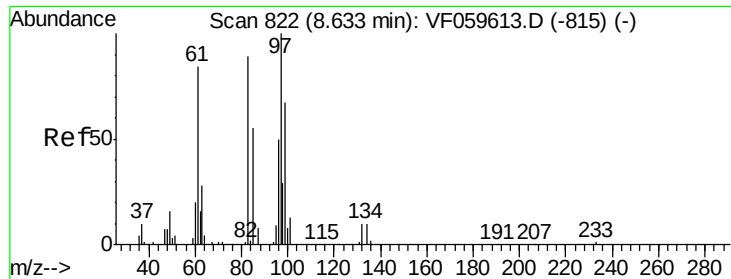


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 45.77 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

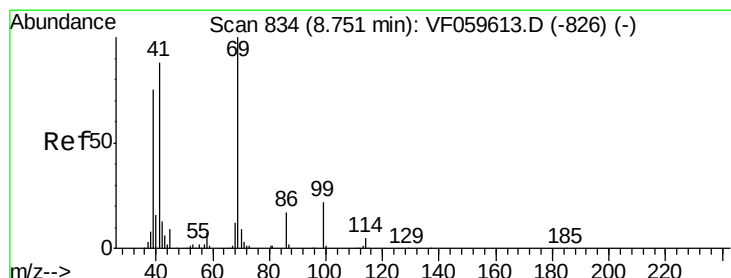
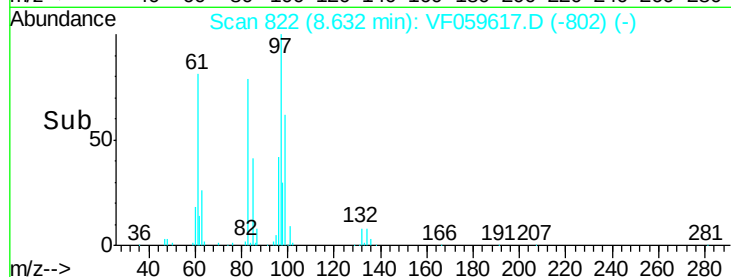
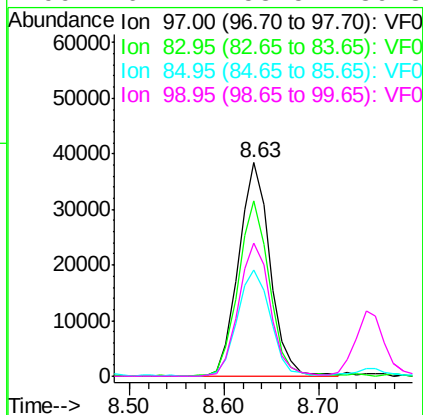
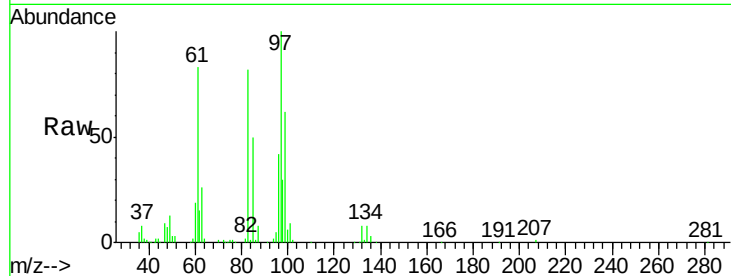
ClientSampleId :

ICVVF072318

Tot Ion:	97	Resp:	88512
Ion	Ratio	Lower	Upper
97	100		
83	82.0	71.8	107.6
85	49.8	43.9	65.9
99	62.4	53.5	80.3

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#56

Ethyl methacrylate

Concen: 51.51 ug/l

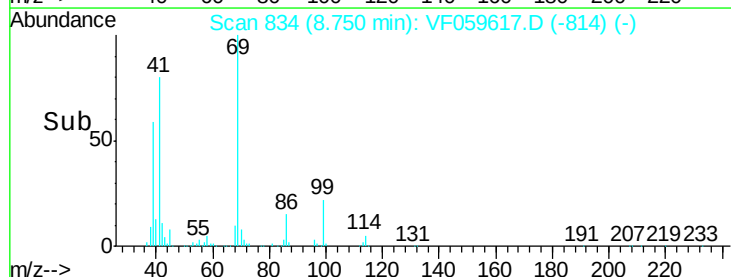
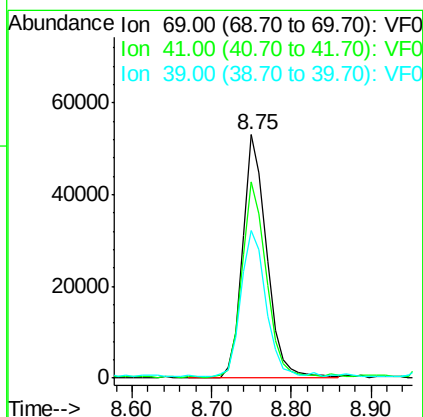
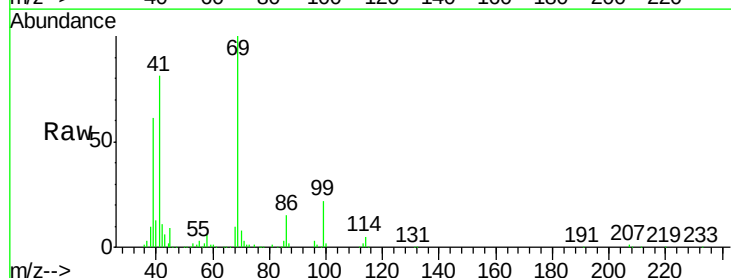
RT: 8.75 min Scan# 834

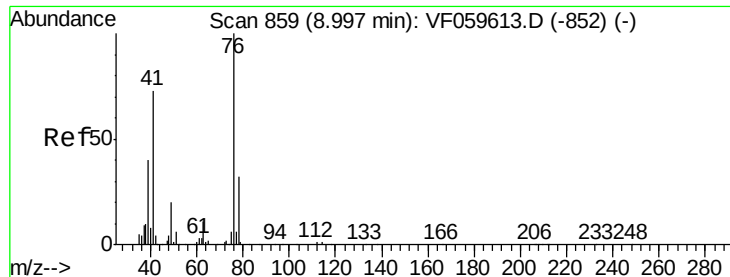
Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	69	Resp:	110914
Ion	Ratio	Lower	Upper
69	100		
41	80.6	70.8	106.2
39	60.5	60.7	91.1#





#57

1,3-Dichloropropane

Concen: 46.12 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 76 Resp: 155215

Ion Ratio Lower Upper

76 100

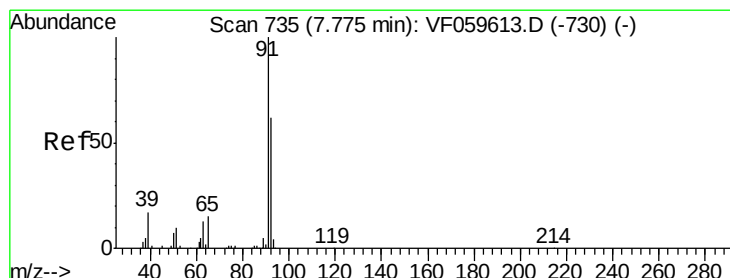
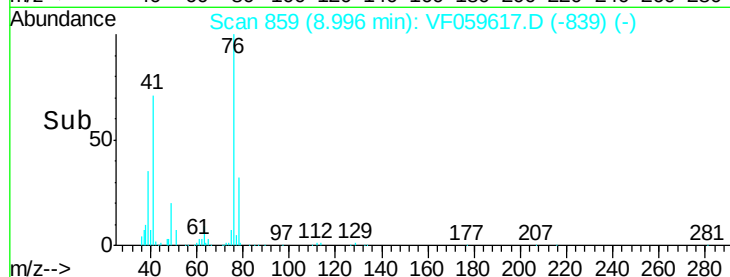
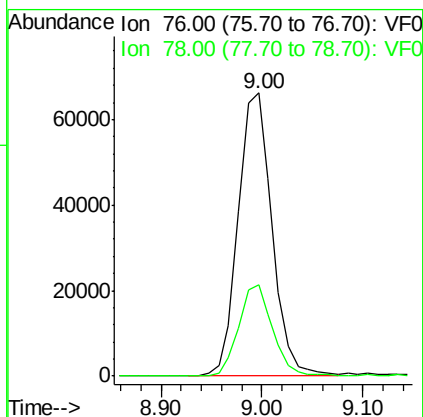
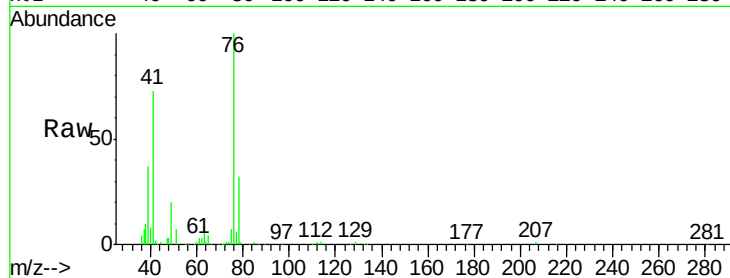
78 32.2 25.3 37.9

Manual Integrations

APPROVED

apatel

7/24/2018 1:13:51 PM



#58

2-Chloroethyl Vinyl ether

Concen: 219.30 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059617.D

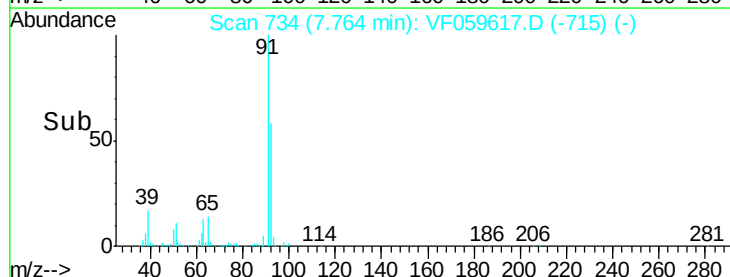
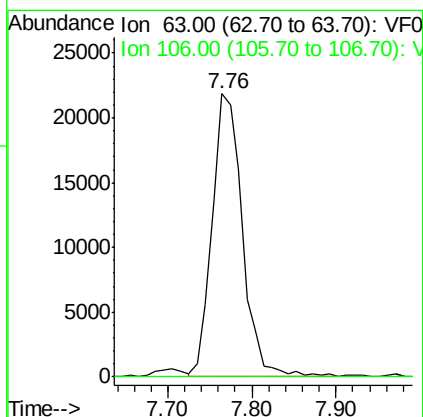
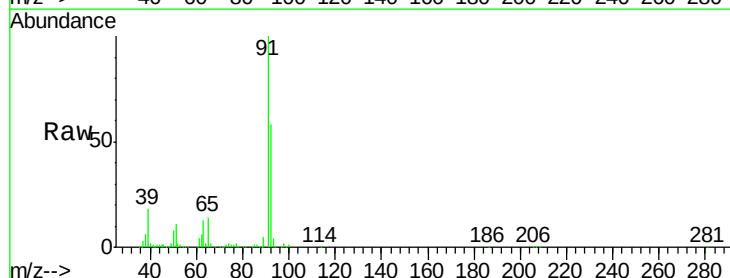
Acq: 23 Jul 2018 16:26

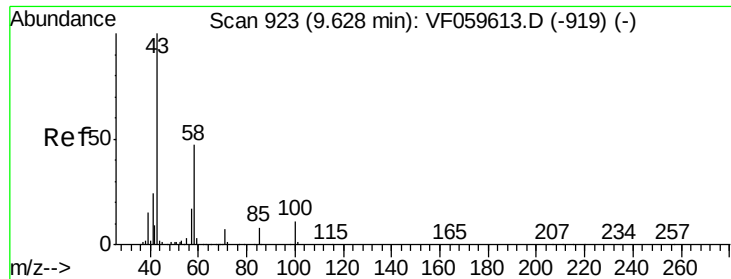
Tgt Ion: 63 Resp: 54630

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





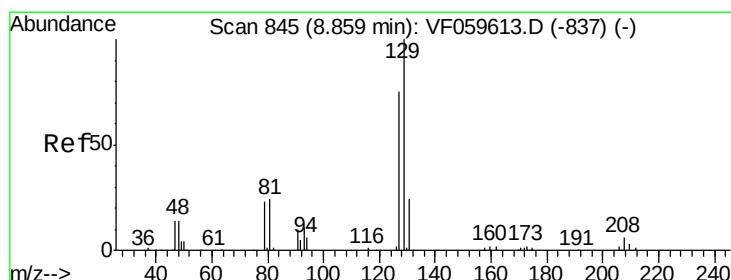
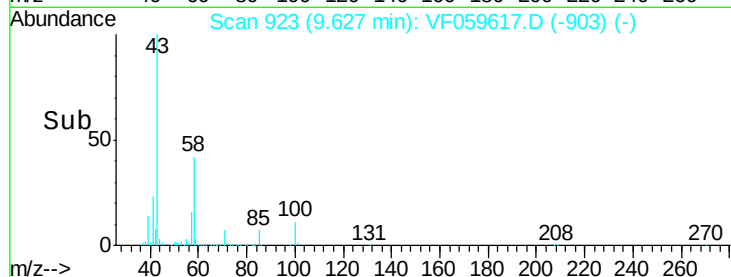
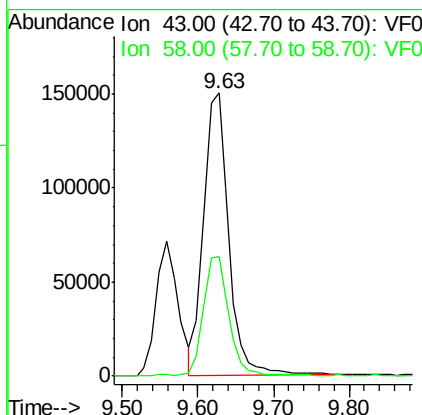
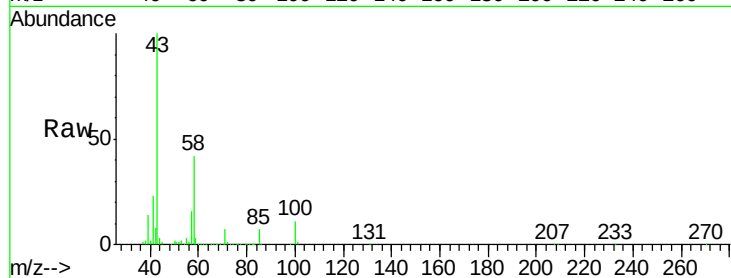
#59
2-Hexanone
Concen: 280.75 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion: 43 Resp: 346427
Ion Ratio Lower Upper
43 100
58 42.2 21.1 63.4

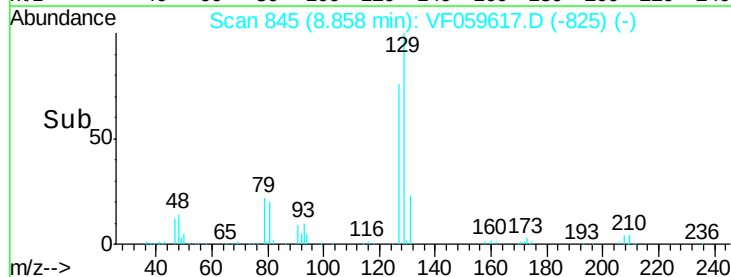
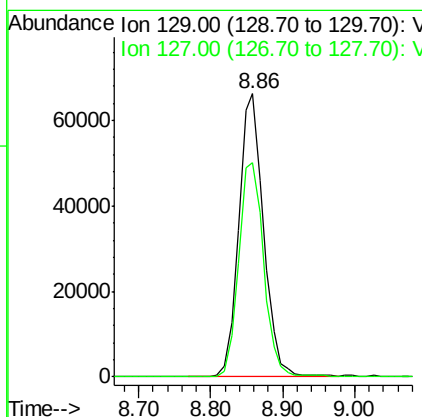
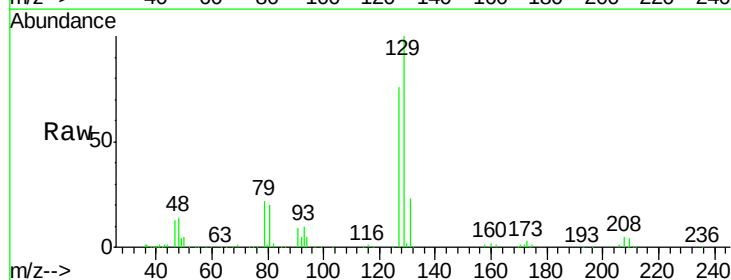
Manual Integrations
APPROVED

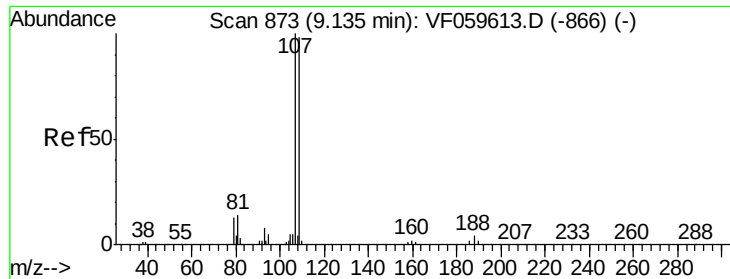
apatel
7/24/2018 1:13:51 PM



#60
Dibromochloromethane
Concen: 45.97 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion: 129 Resp: 158339
Ion Ratio Lower Upper
129 100
127 75.7 37.5 112.7





#61

1,2-Dibromoethane

Concen: 49.16 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 107 Resp: 108973

Ion Ratio Lower Upper

107 100

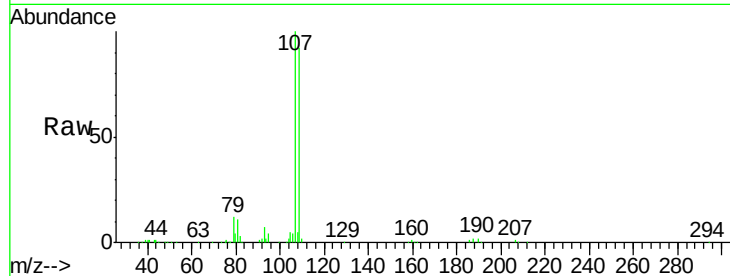
109 92.1 78.2 117.4

Manual Integrations

APPROVED

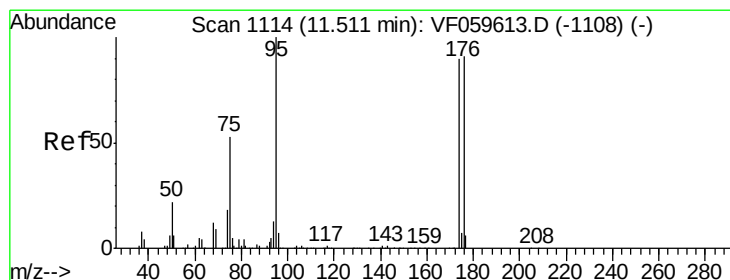
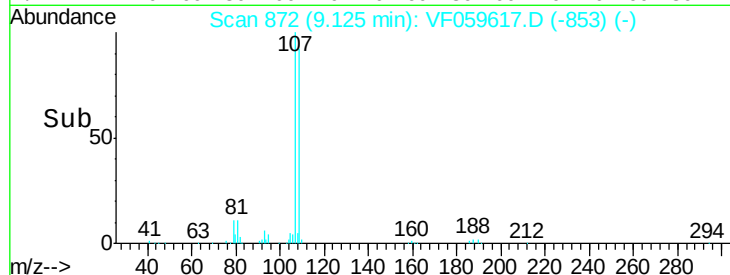
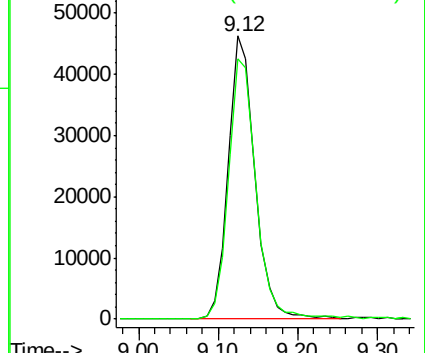
apatel

7/24/2018 1:13:51 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.88 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

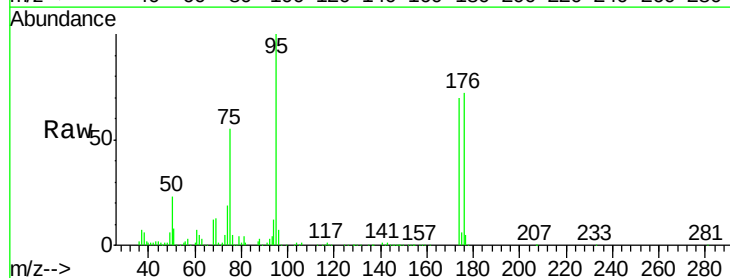
Tgt Ion: 95 Resp: 240051

Ion Ratio Lower Upper

95 100

174 69.9 0.0 180.6

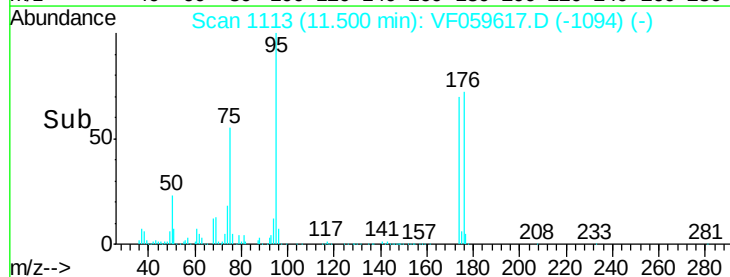
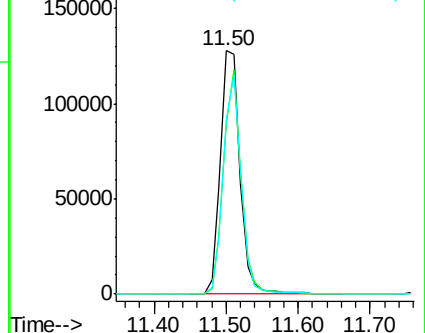
176 71.6 0.0 182.4

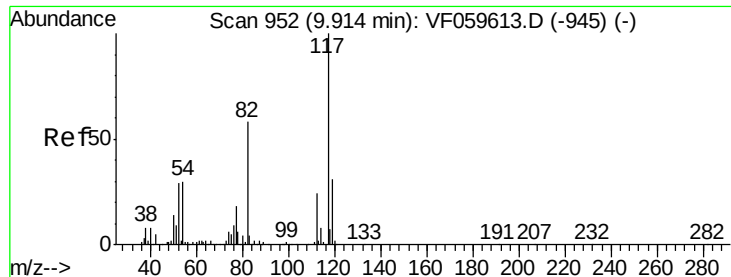


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





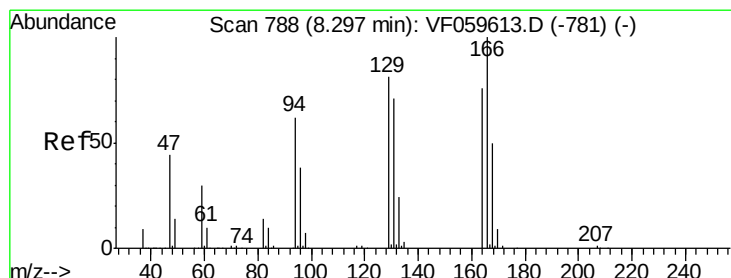
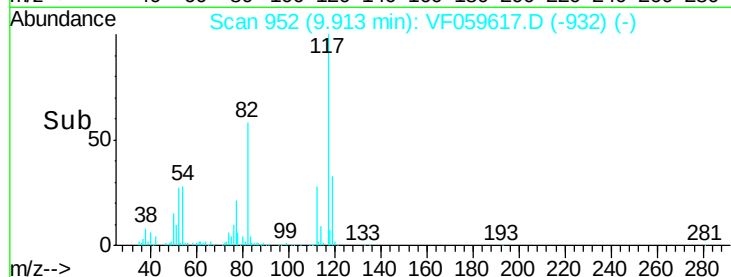
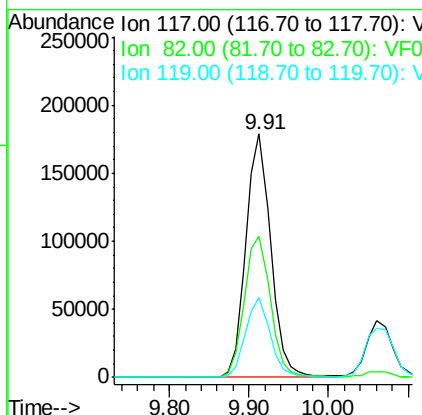
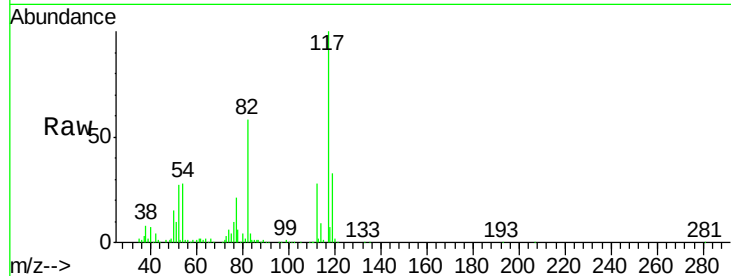
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ratio	Resp	Lower	Upper
117	100	385673		
82	57.8		46.5	69.7
119	32.6		24.4	36.6

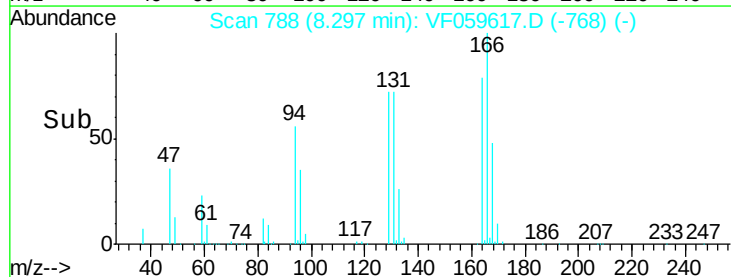
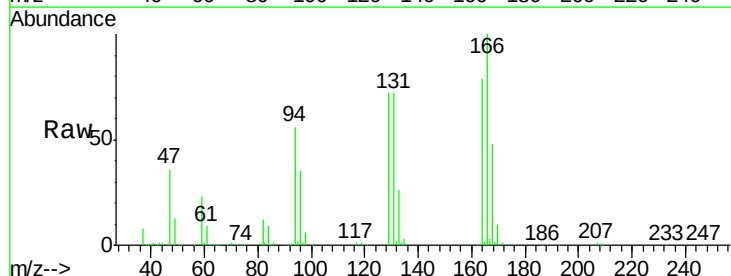
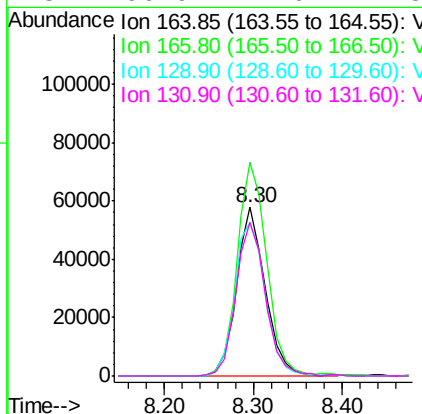
Manual Integrations
APPROVED

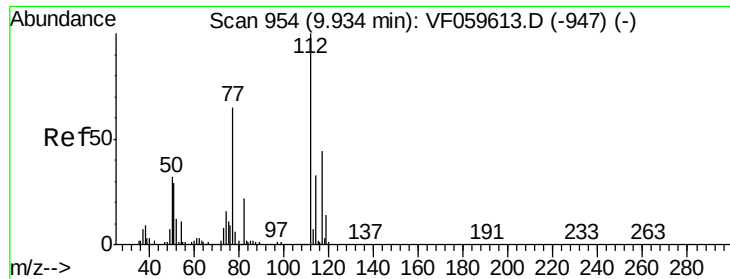
apatel
7/24/2018 1:13:51 PM



#64
Tetrachloroethene
Concen: 45.23 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129538		
166	126.8		104.8	157.2
129	91.5		85.3	127.9
131	90.9		74.6	111.8





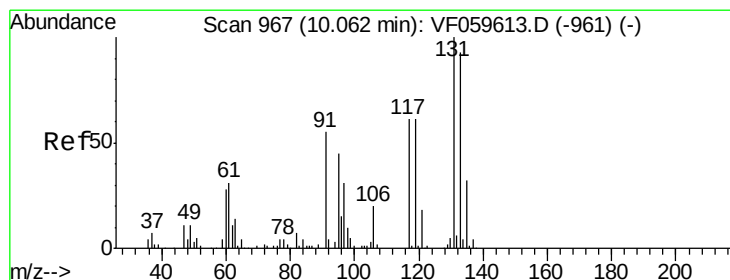
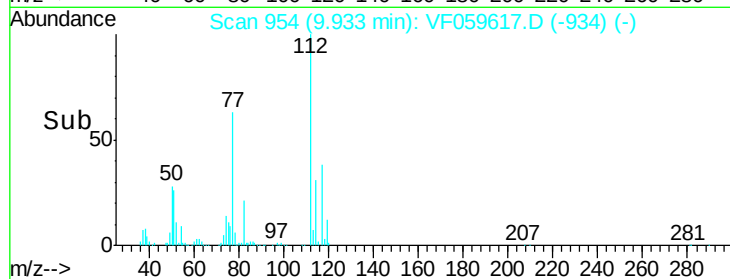
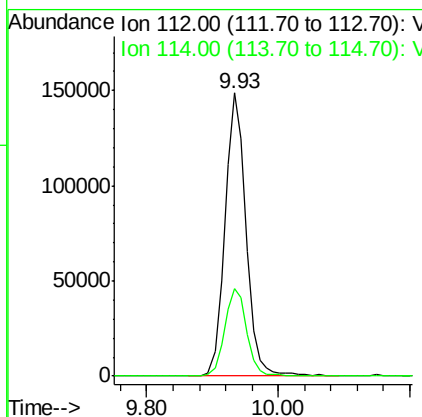
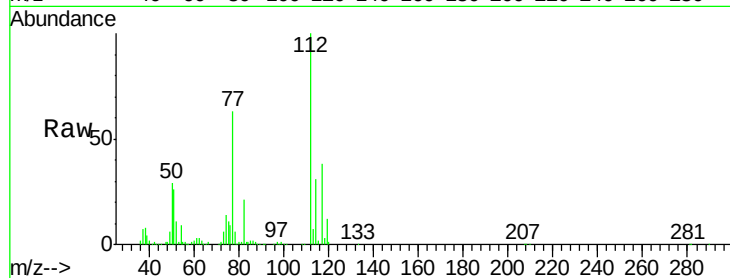
#65
Chlorobenzene
Concen: 46.80 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	26.8	40.2

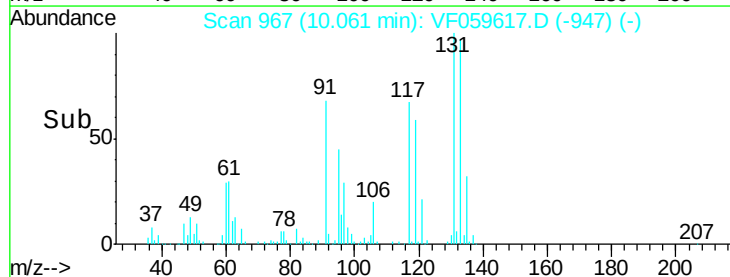
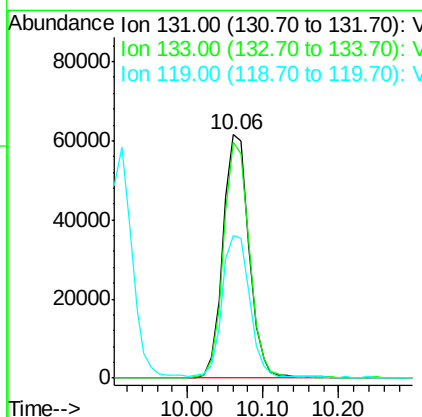
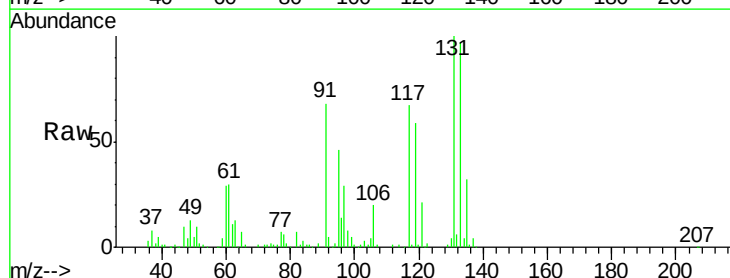
Manual Integrations
APPROVED

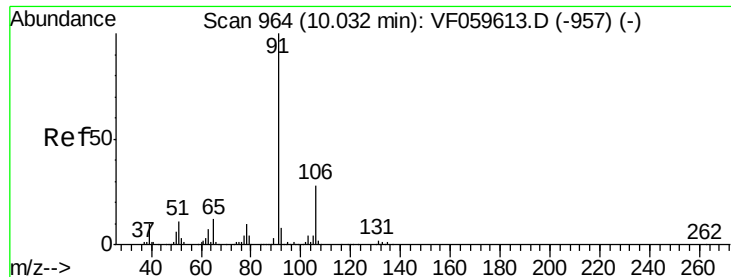
apatel
7/24/2018 1:13:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.77 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	46.4	139.2
119	58.7	30.6	91.8





#67

Ethyl Benzene

Concen: 47.37 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 91 Resp: 612550

Ion Ratio Lower Upper

91 100

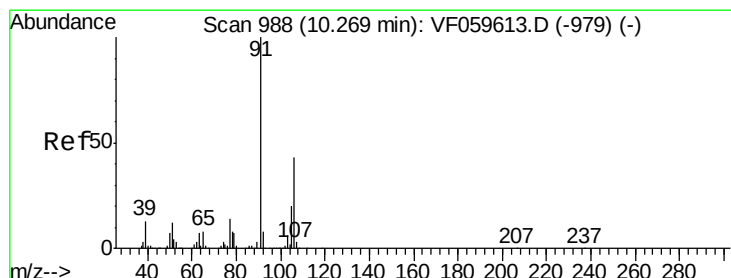
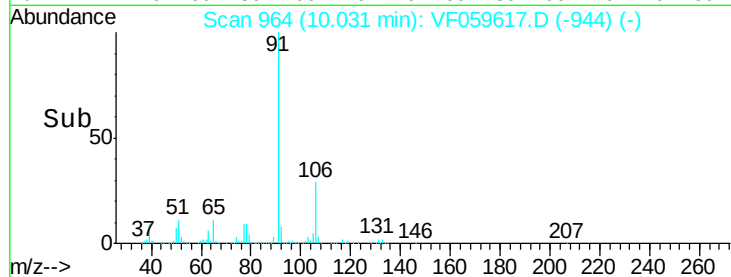
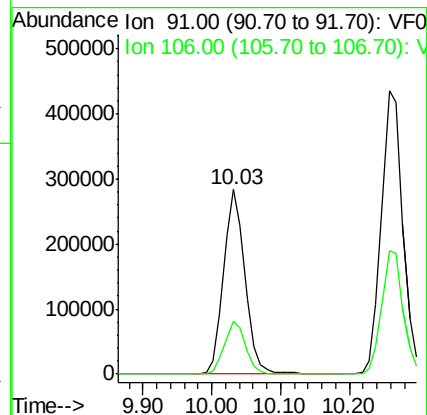
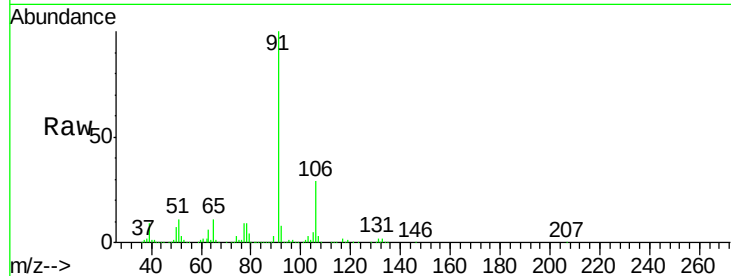
106 28.8 22.5 33.7

Manual Integrations

APPROVED

apatel

7/24/2018 1:13:51 PM



#68

m/p-Xylenes

Concen: 96.23 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059617.D

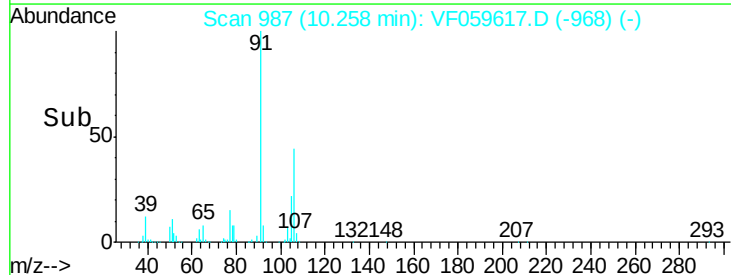
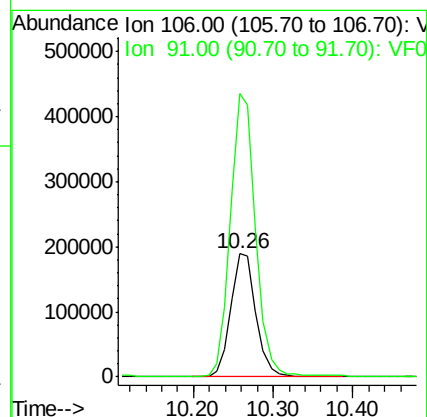
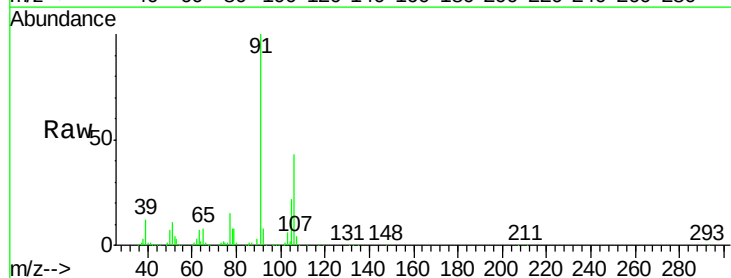
Acq: 23 Jul 2018 16:26

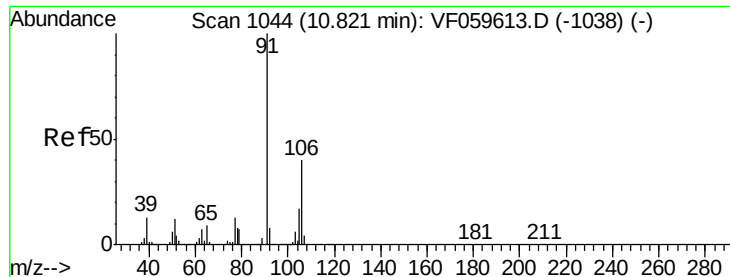
Tgt Ion: 106 Resp: 422877

Ion Ratio Lower Upper

106 100

91 230.3 187.0 280.4





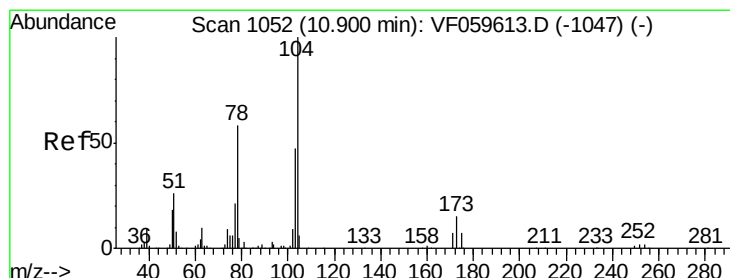
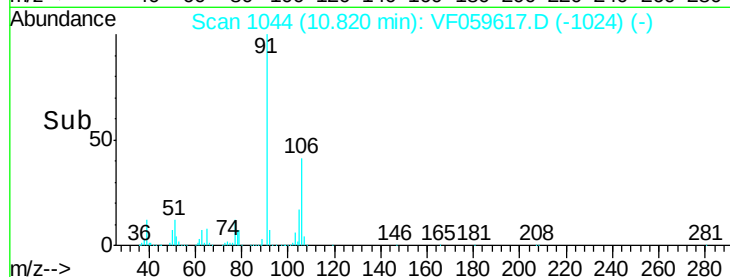
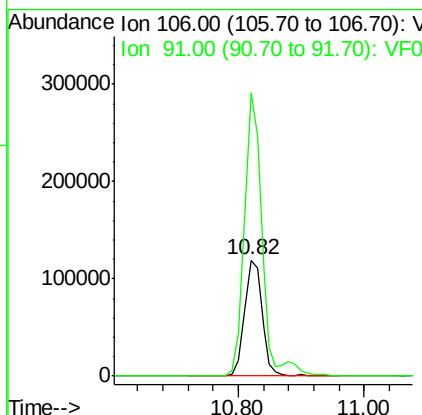
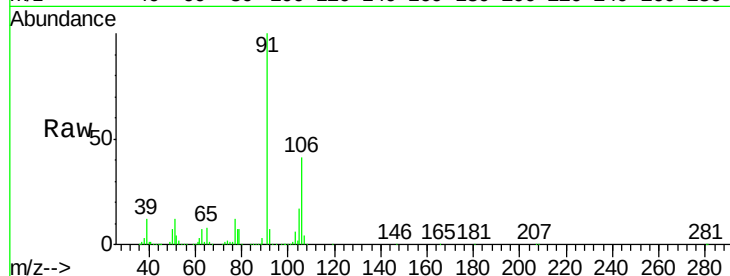
#69
o-Xylene
Concen: 48.47 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	243.7	125.8	377.3	

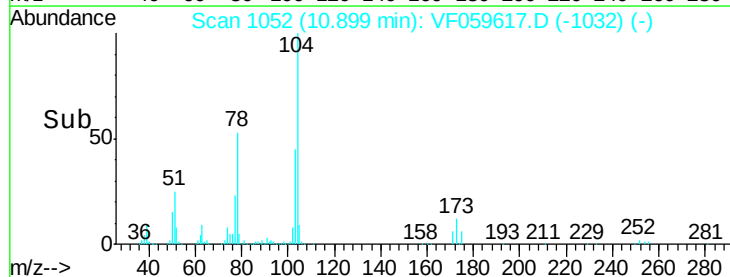
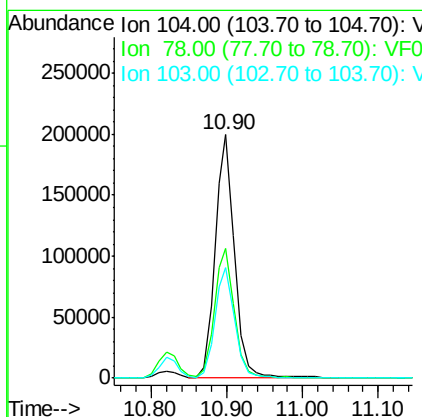
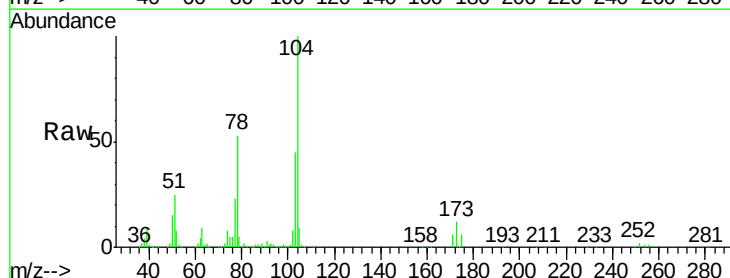
Manual Integrations
APPROVED

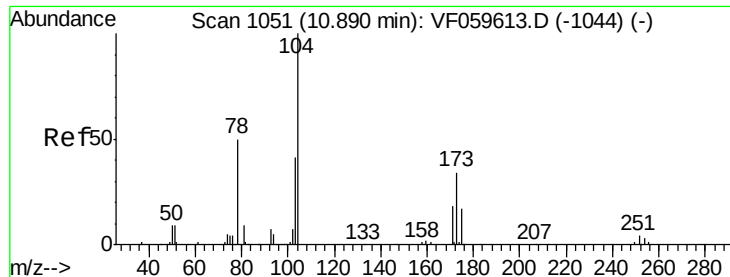
apatel
7/24/2018 1:13:51 PM



#70
Styrene
Concen: 49.58 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.4	47.4	71.2	
103	45.2	38.8	58.2	





#71

Bromoform

Concen: 47.28 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion:173 Resp: 94406

Ion Ratio Lower Upper

173 100

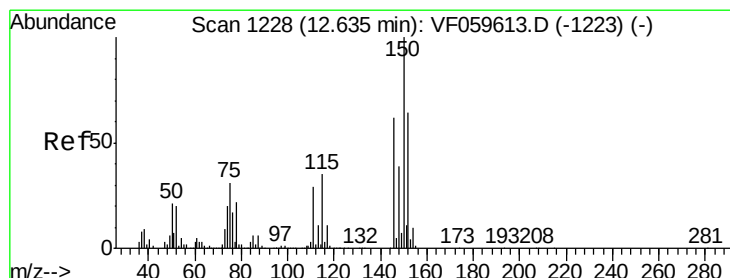
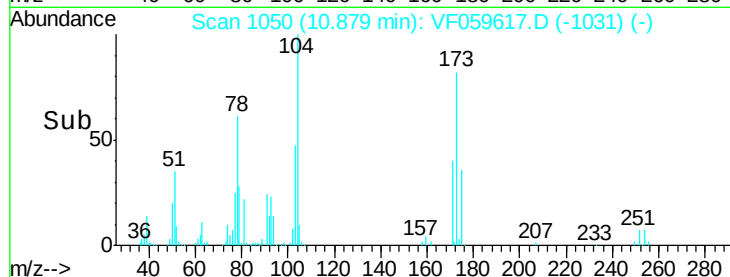
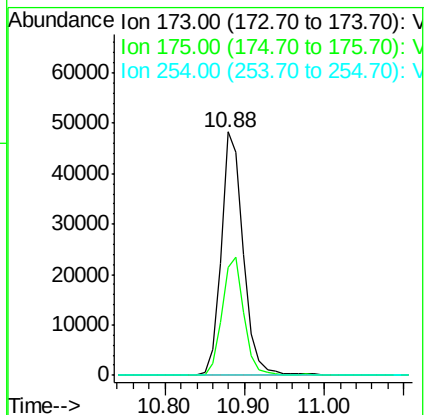
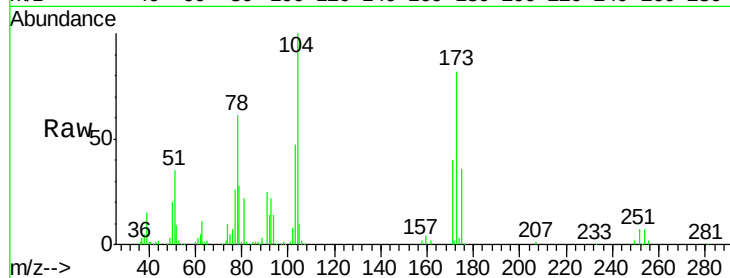
175 44.1 25.1 75.2

254 0.0 0.0 0.0

Manual Integrations
APPROVED

apatel

7/24/2018 1:13:51 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

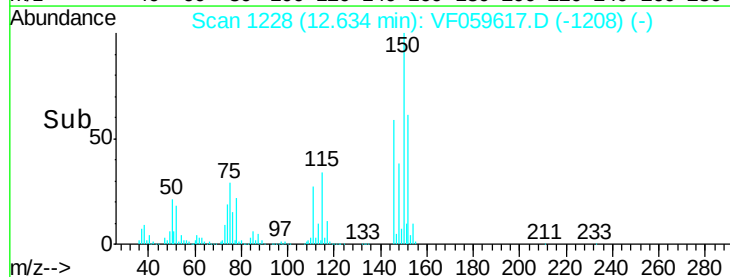
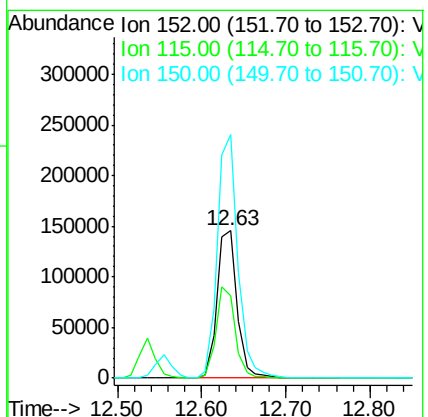
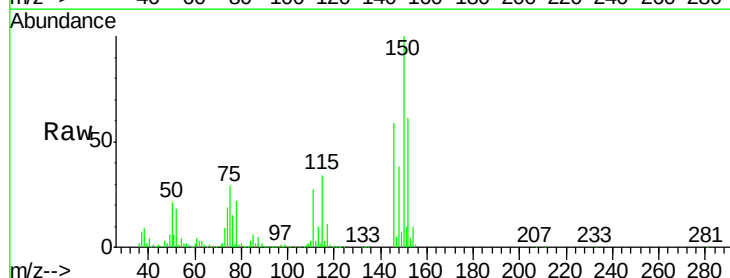
Tgt Ion:152 Resp: 241640

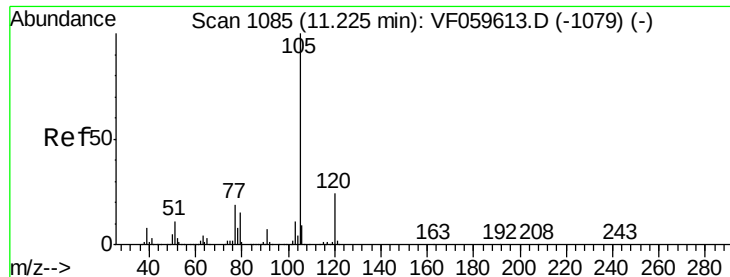
Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

150 165.2 0.0 314.6





#73

Isopropylbenzene

Concen: 46.65 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 105 Resp: 715901

Ion Ratio Lower Upper

105 100

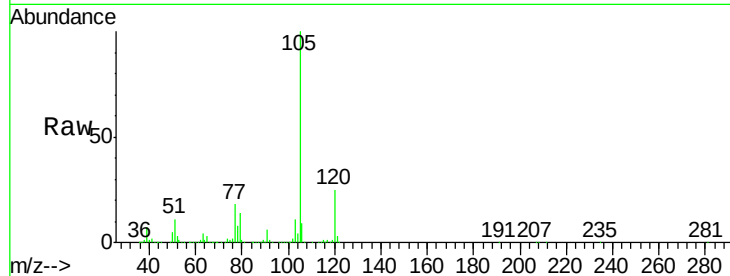
120 25.1 11.8 35.4

Manual Integrations

APPROVED

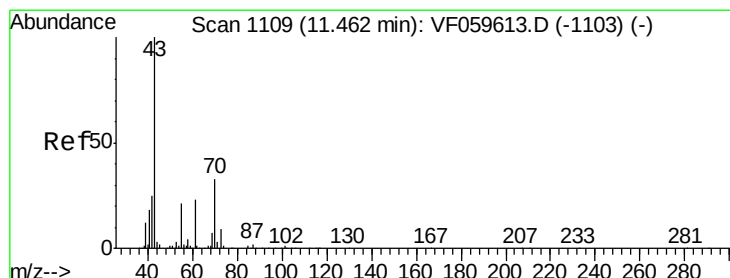
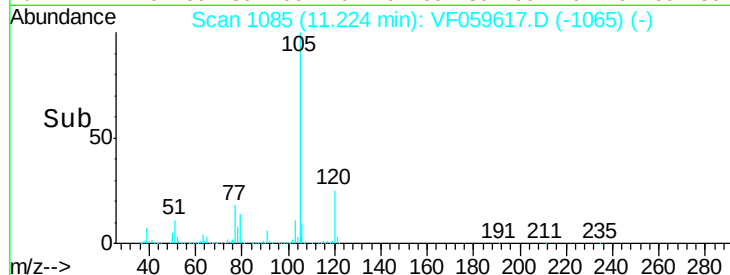
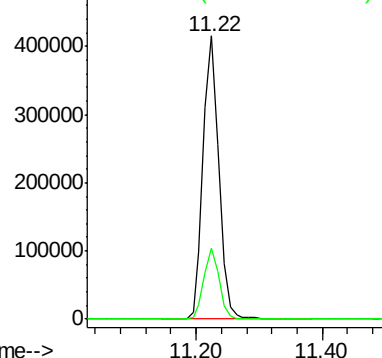
apatel

7/24/2018 1:13:51 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: 56.18 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion: 43 Resp: 193884

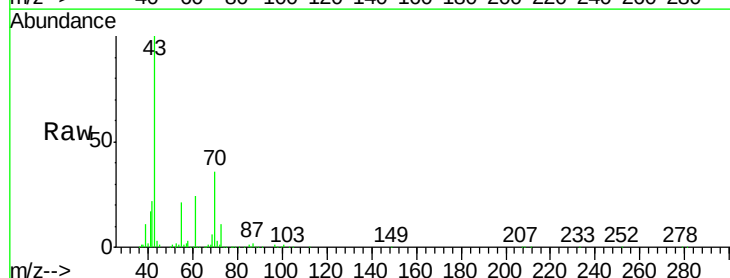
Ion Ratio Lower Upper

43 100

70 36.5 26.6 40.0

55 20.6 17.0 25.6

61 23.7 18.3 27.5

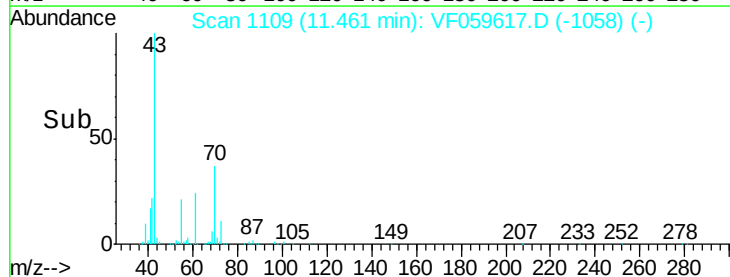
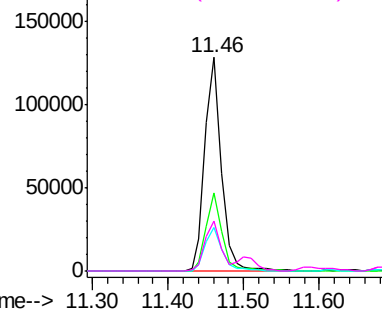


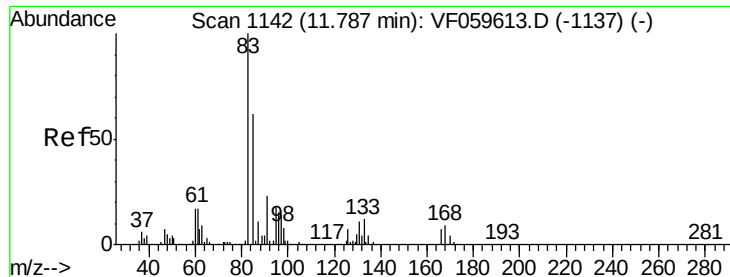
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 48.72 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

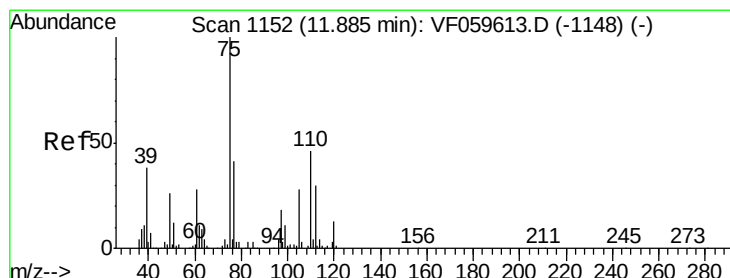
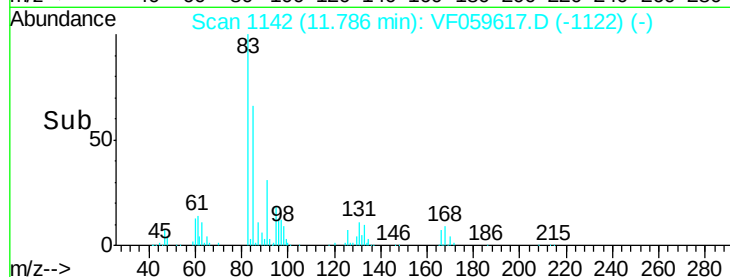
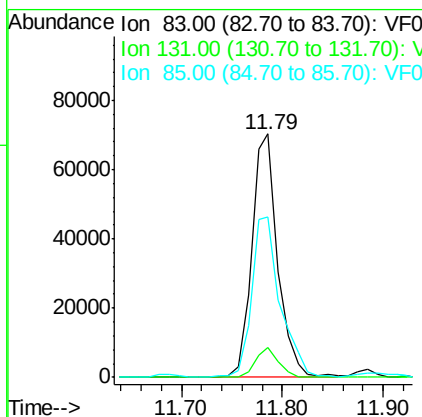
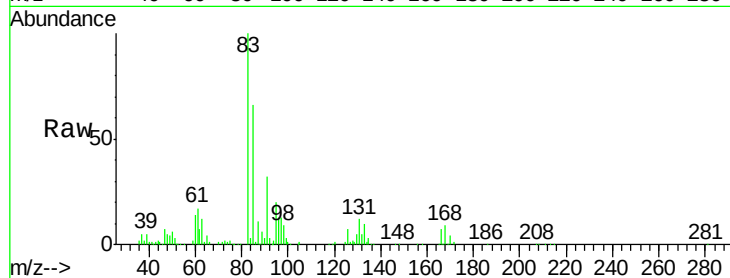
ClientSampleId :

ICVVF072318

Tot Ion:	83	Resp:	125535
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.7	17.0
85	65.9	31.1	93.3

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#76

1,2,3-Trichloropropane

Concen: 46.30 ug/l

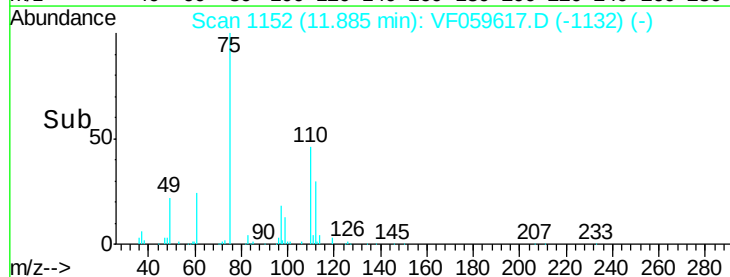
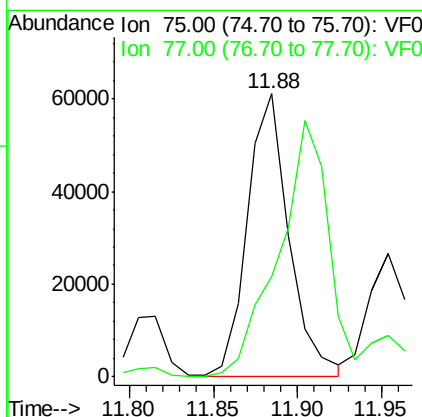
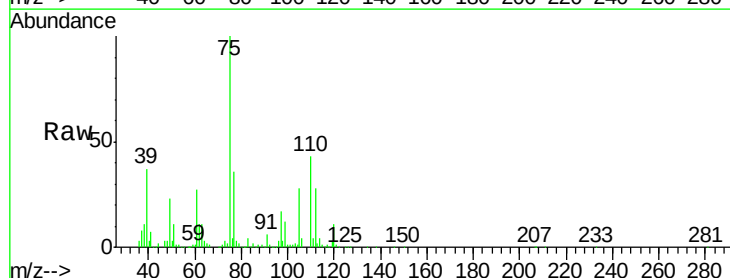
RT: 11.88 min Scan# 1152

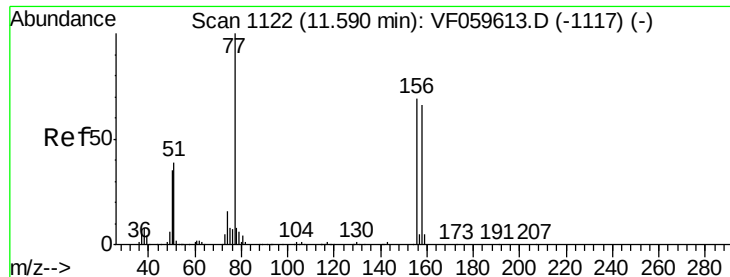
Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	75	Resp:	104214
Ion Ratio	Lower	Upper	
75	100		
77	35.6	20.9	62.8





#77

Bromobenzene

Concen: 44.75 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

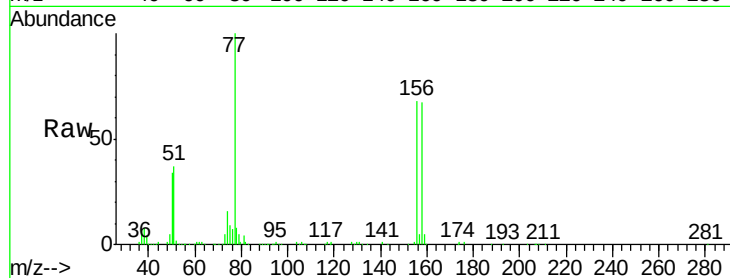
ClientSampleId :

ICVVF072318

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		177928		
77	146.3	72.1	216.3		
158	97.8	47.3	141.9		

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM

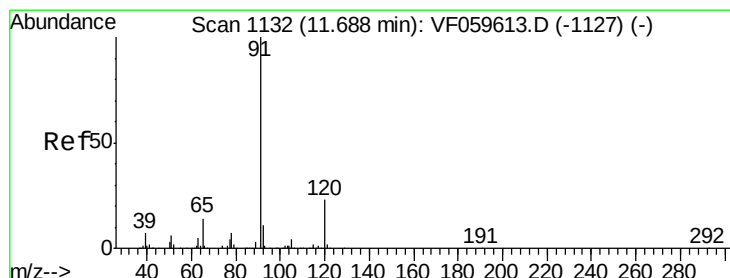
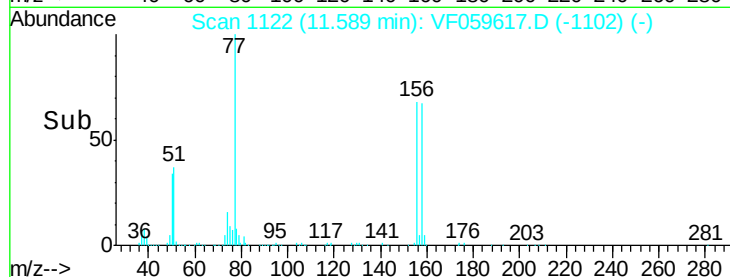
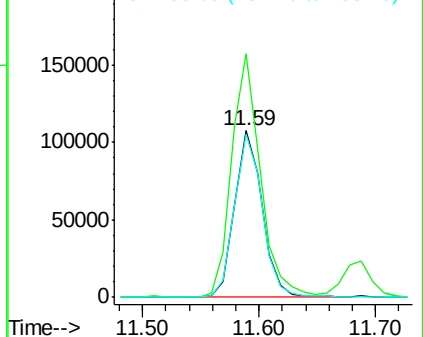


Abundance

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: 44.72 ug/l

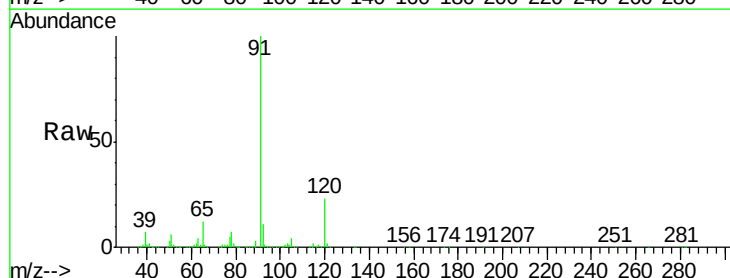
RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

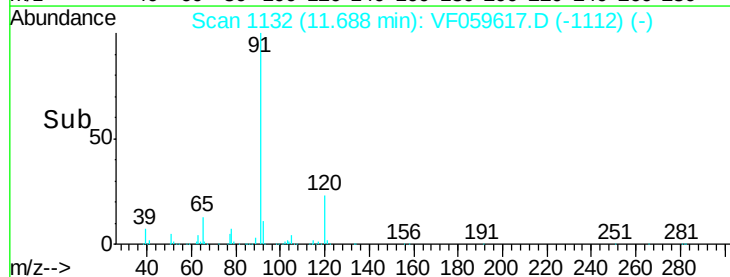
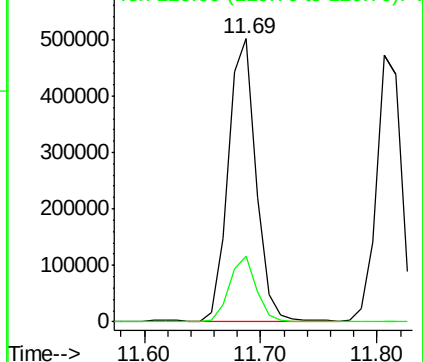
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		822424		
120	23.2	11.6	34.7		

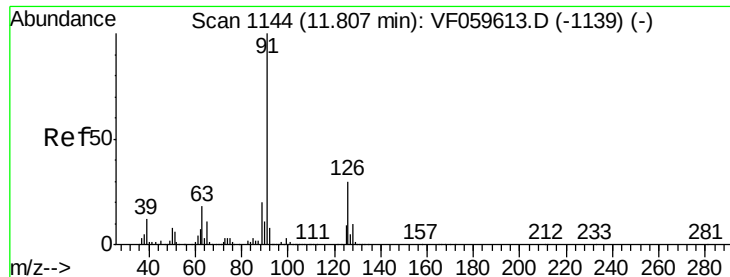


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 63.34 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

ClientSampleId :

ICVVF072318

Tot Ion: 91 Resp: 698114

Ion Ratio Lower Upper

91 100

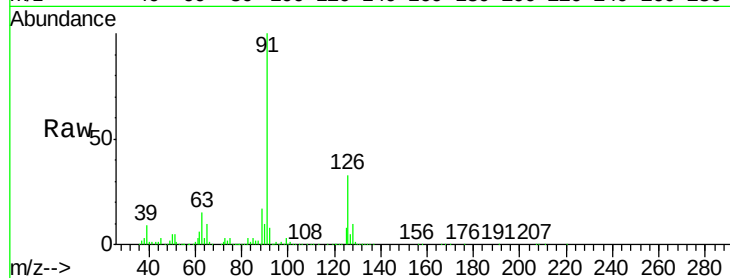
126 32.6 15.1 45.3

Manual Integrations

APPROVED

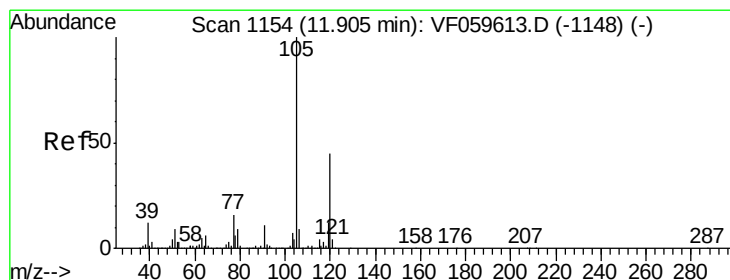
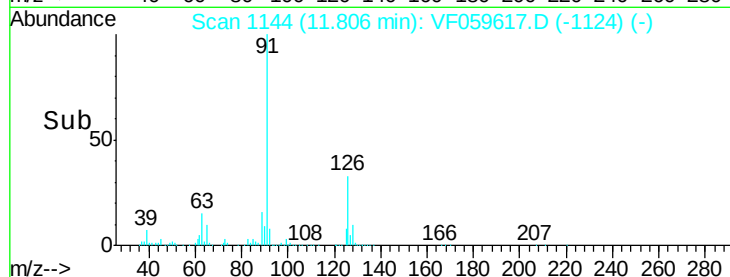
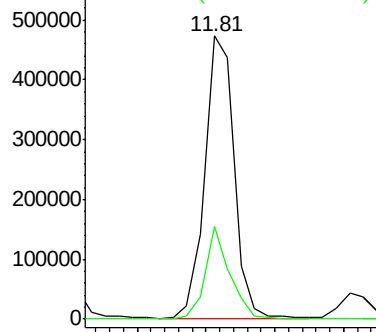
apatel

7/24/2018 1:13:51 PM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 44.29 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059617.D

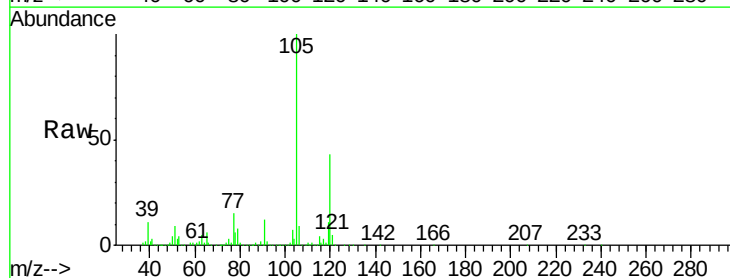
Acq: 23 Jul 2018 16:26

Tgt Ion:105 Resp: 608488

Ion Ratio Lower Upper

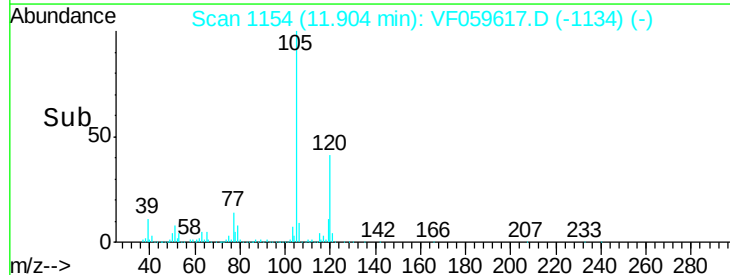
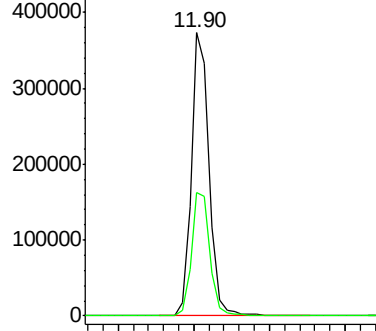
105 100

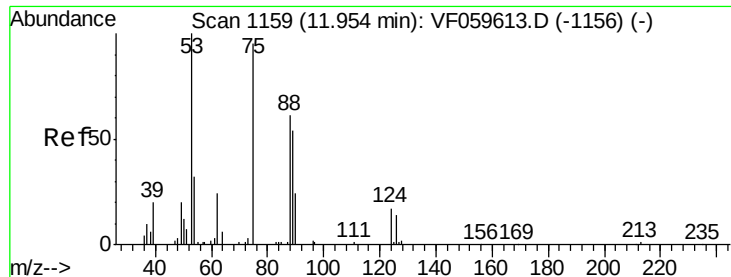
120 43.4 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.12 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

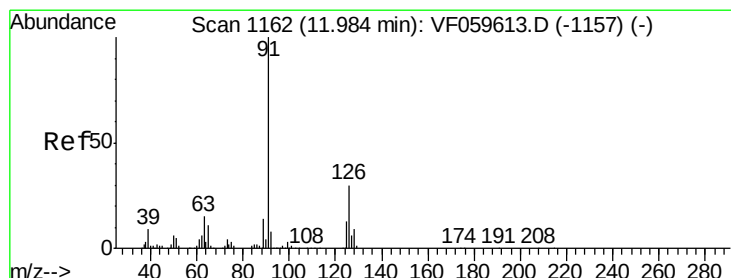
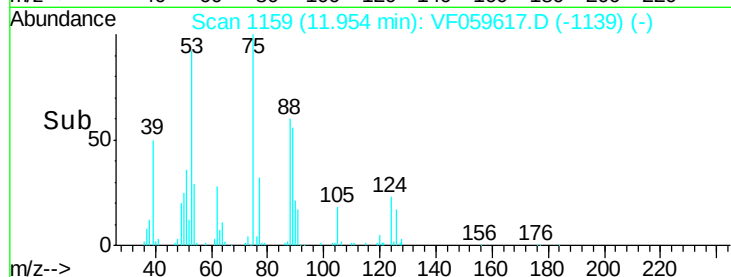
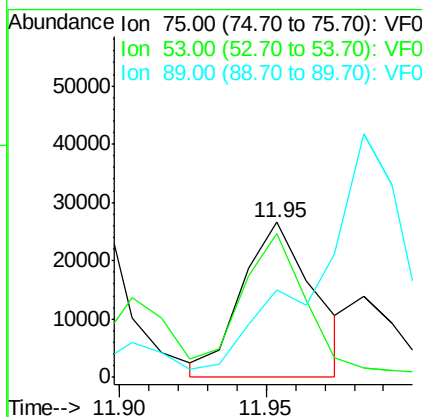
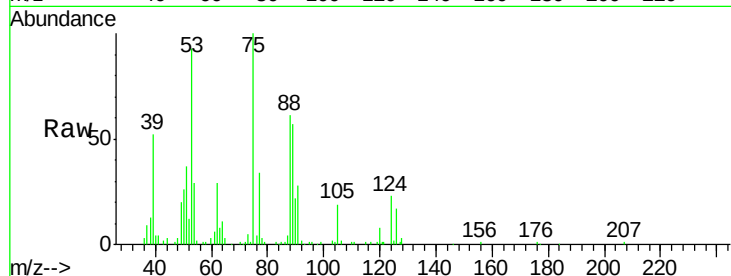
ClientSampleId :

ICVVF072318

Tot Ion:	75	Resp:	45637
Ion	Ratio	Lower	Upper
75	100		
53	93.0	86.4	129.6
89	56.8	46.8	70.2

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#82

4-Chlorotoluene

Concen: 44.19 ug/l

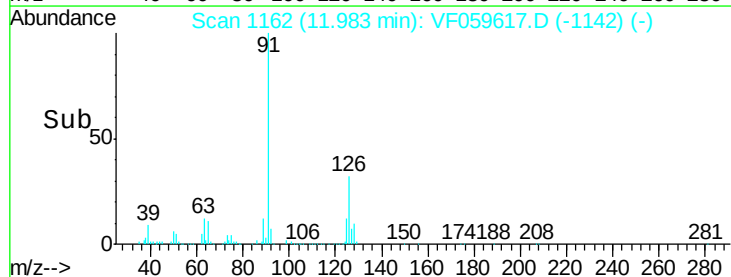
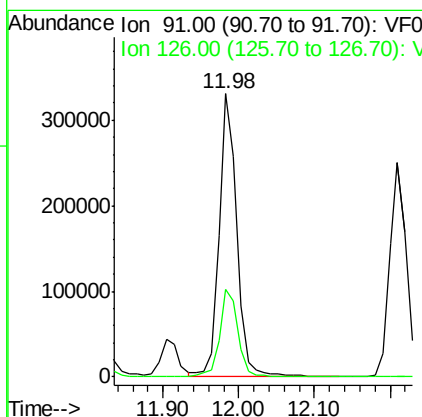
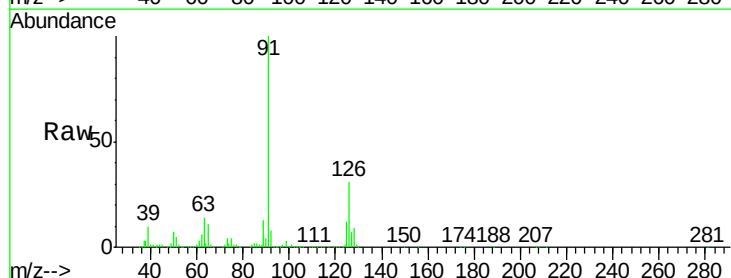
RT: 11.98 min Scan# 1162

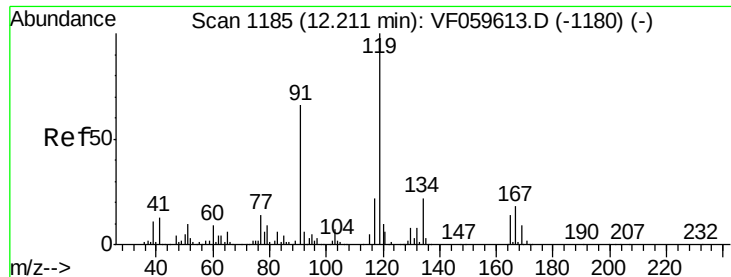
Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	91	Resp:	541811
Ion	Ratio	Lower	Upper
91	100		
126	30.8	14.7	44.1





#83

tert-Butylbenzene

Concen: 44.63 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

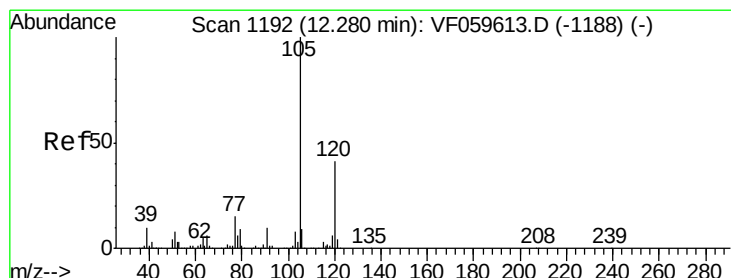
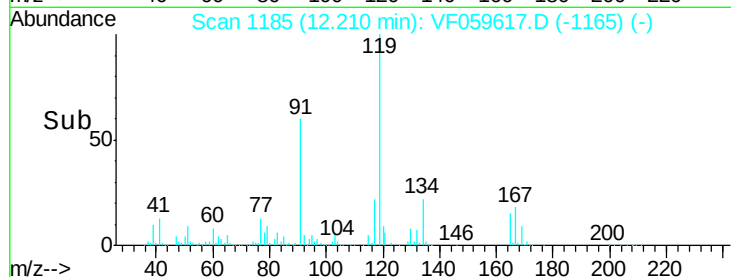
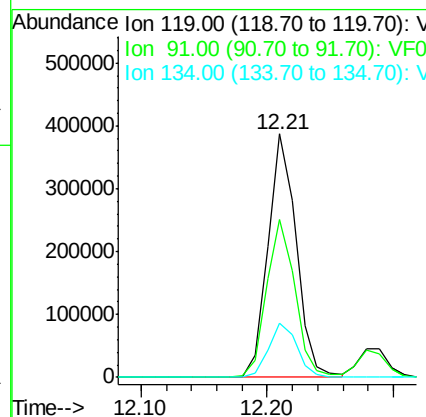
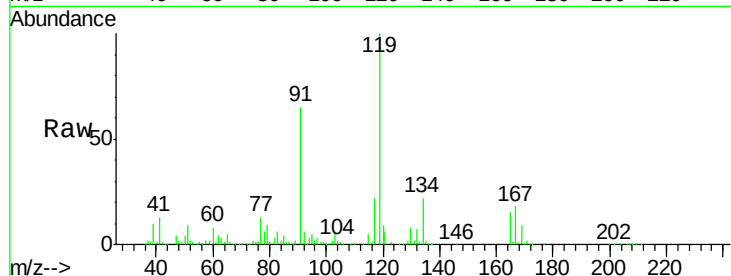
ClientSampleId :

ICVVF072318

Tot Ion:	119	Resp:	606314
Ion	Ratio	Lower	Upper
119	100		
91	64.7	33.2	99.6
134	22.1	10.9	32.6

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#84

1,2,4-Trimethylbenzene

Concen: 43.47 ug/l

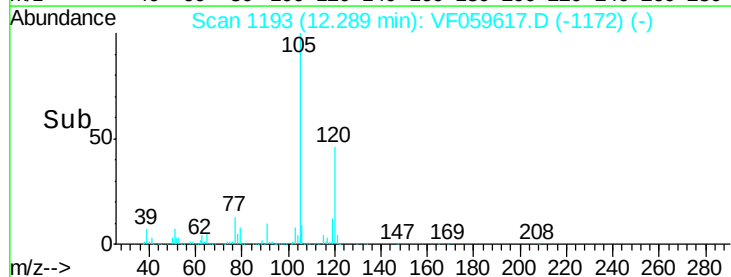
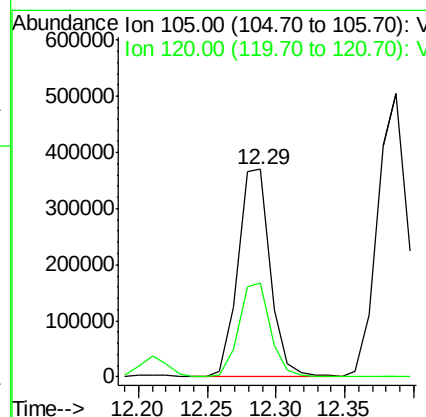
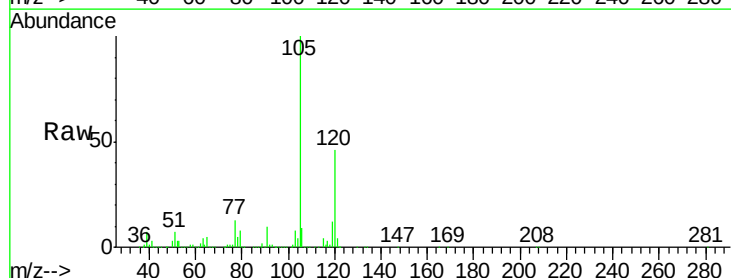
RT: 12.29 min Scan# 1193

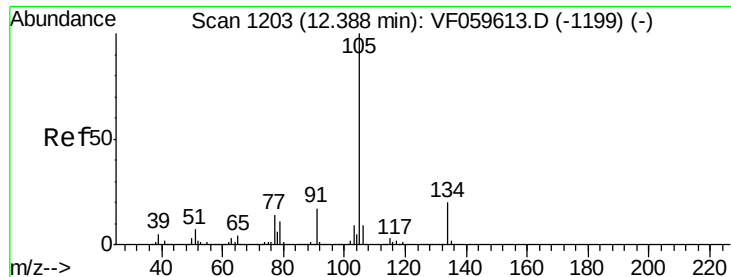
Delta R.T. 0.01 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	105	Resp:	607610
Ion	Ratio	Lower	Upper
105	100		
120	45.6	20.4	61.3





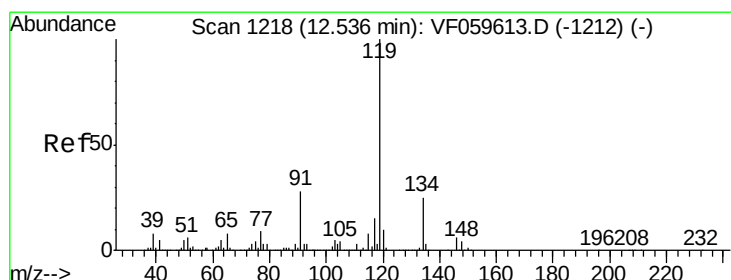
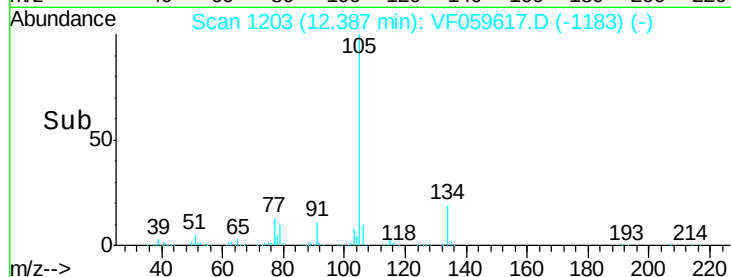
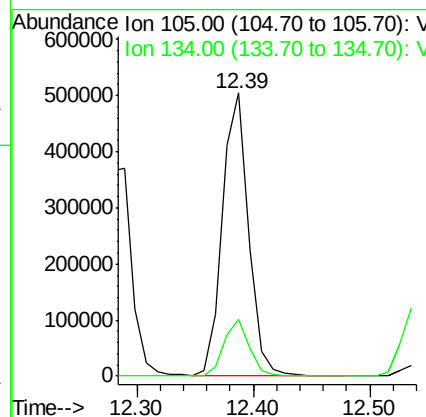
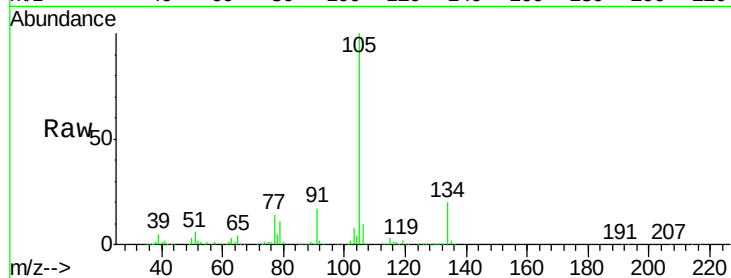
#85
 sec-Butylbenzene
 Concen: 44.57 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF072318

Tot Ion	Ratio	Resp	Lower	Upper
105	100	782533		
134	20.0	9.9	29.7	

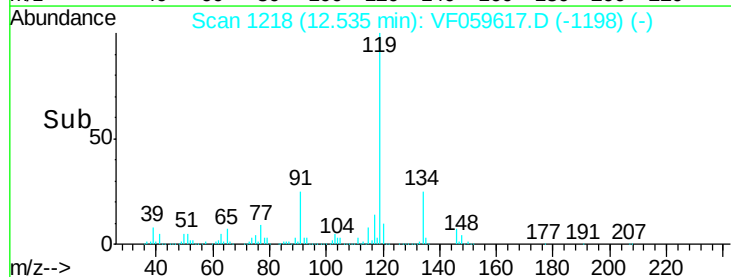
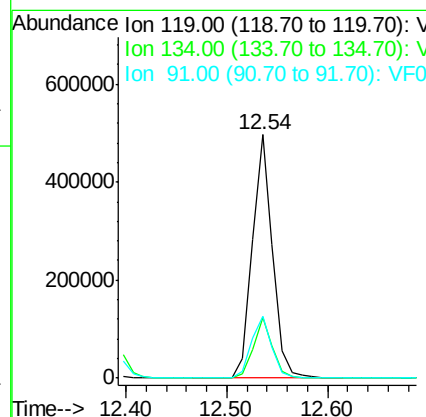
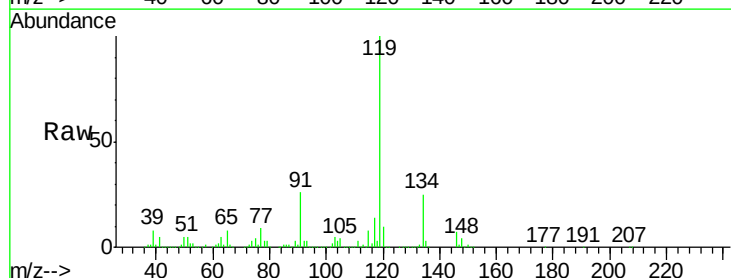
Manual Integrations
 APPROVED

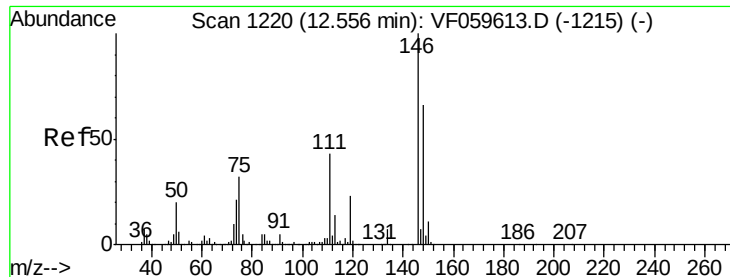
apatel
 7/24/2018 1:13:51 PM



#86
 p-Isopropyltoluene
 Concen: 44.82 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	692642		
134	24.7	12.4	37.2	
91	25.5	13.9	41.7	





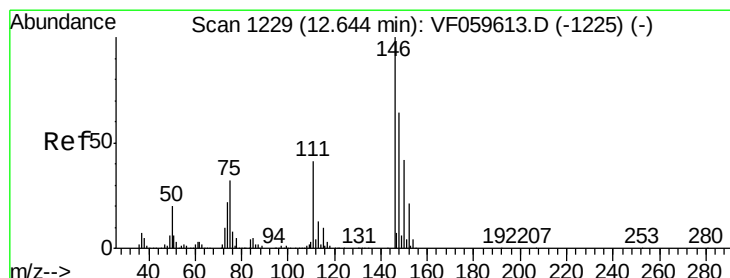
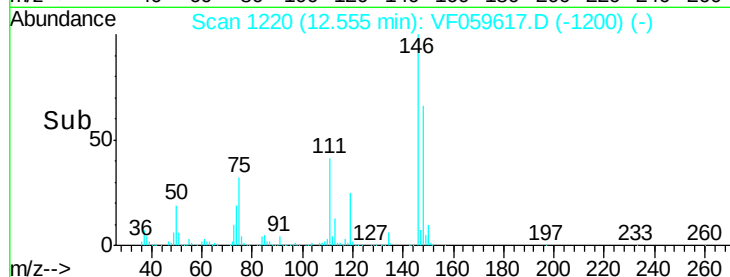
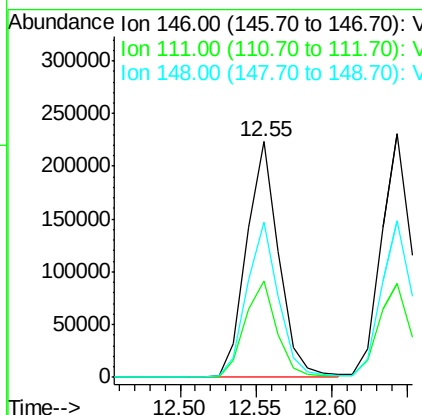
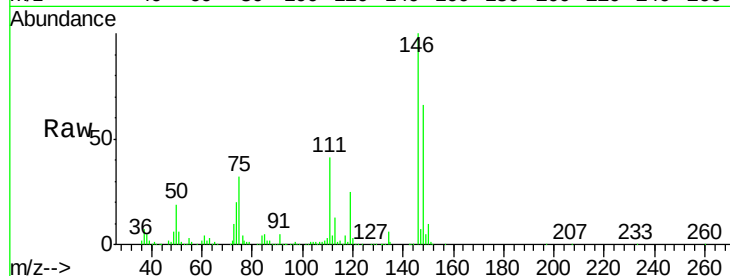
#87
 1,3-Dichlorobenzene
 Concen: 43.75 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV072318

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.6	64.8
148	65.6	33.1	99.3

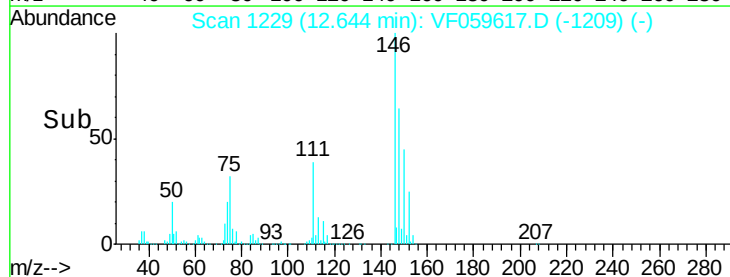
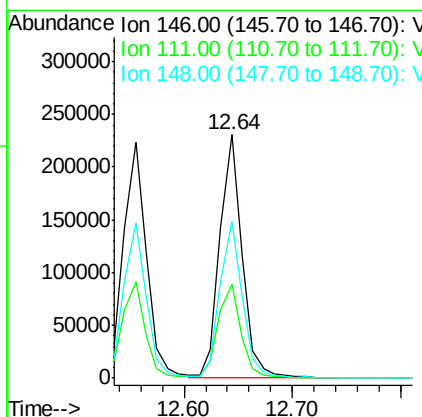
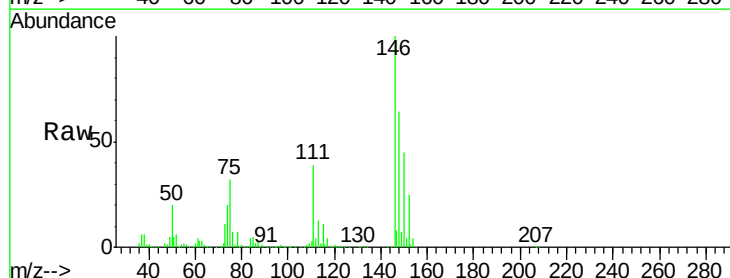
Manual Integrations
 APPROVED

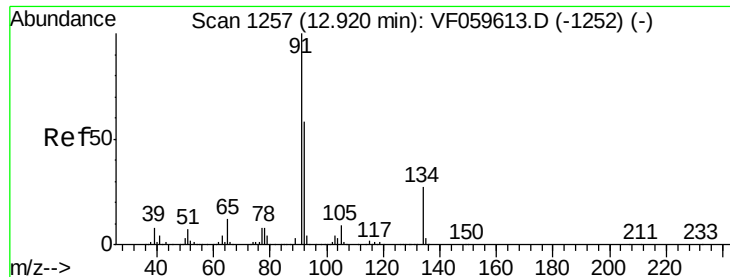
apatel
 7/24/2018 1:13:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.49 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.5	61.5
148	64.1	32.3	96.8





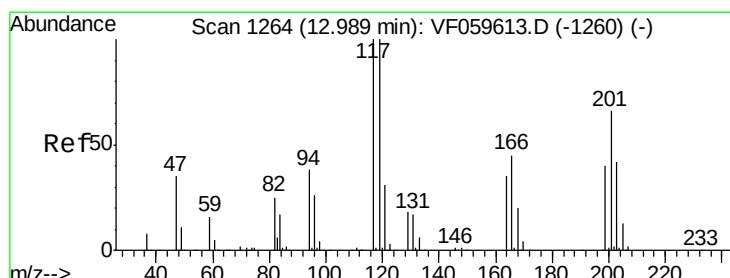
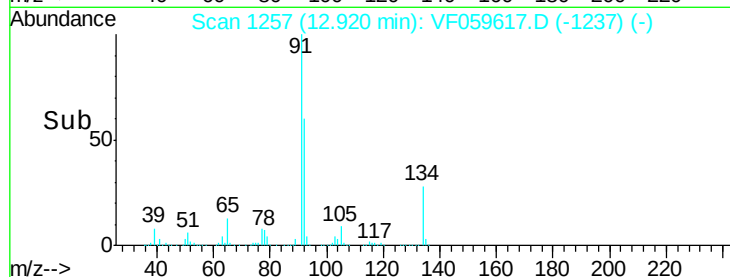
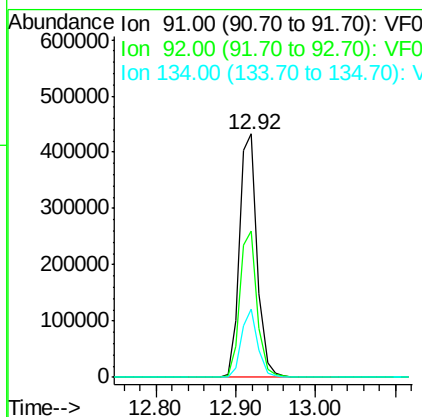
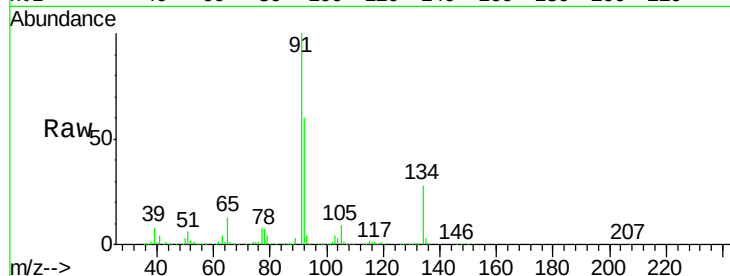
#89
n-Butylbenzene
Concen: 45.13 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	28.8	86.4
134	27.9	13.5	40.4

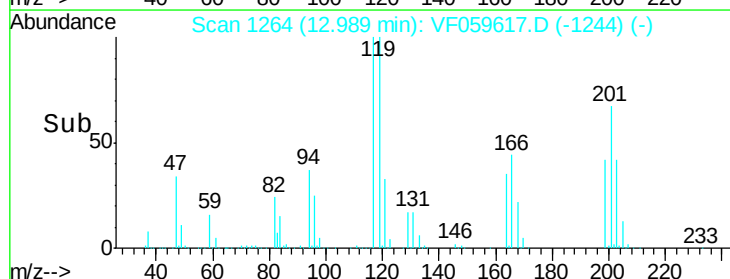
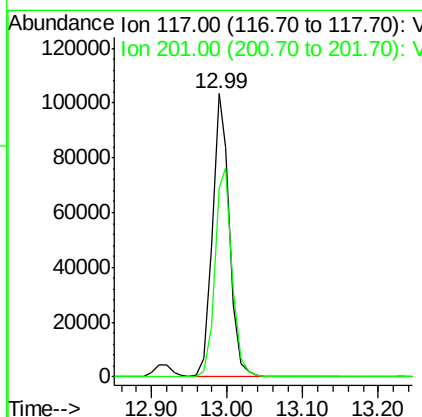
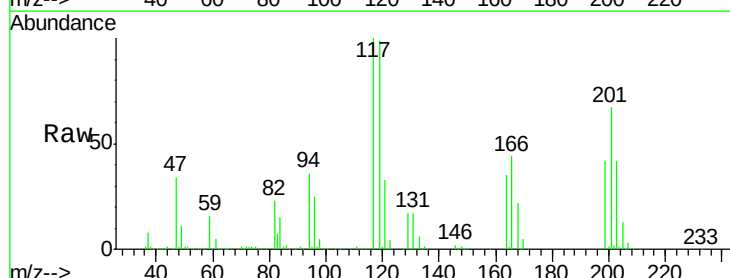
Manual Integrations
APPROVED

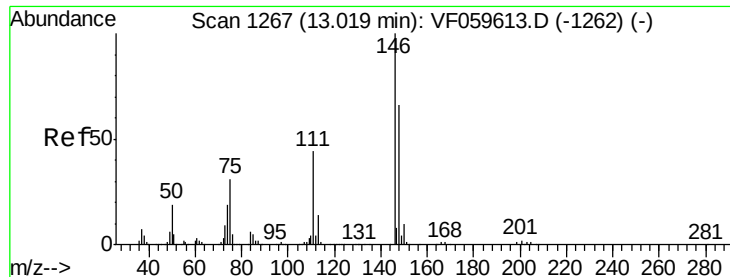
apatel
7/24/2018 1:13:51 PM



#90
Hexachloroethane
Concen: 42.86 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059617.D
Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.7	33.6	100.6





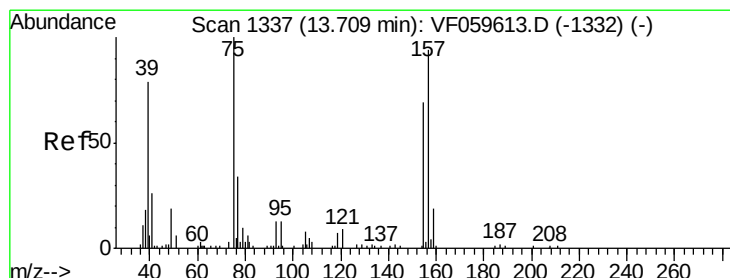
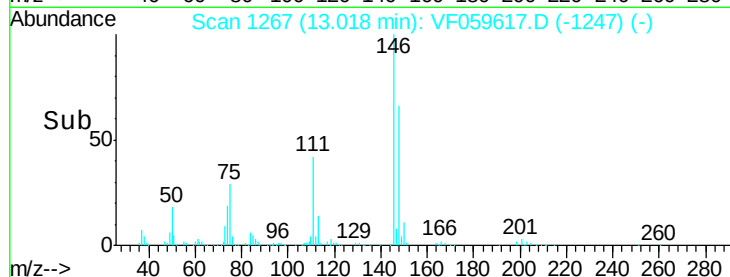
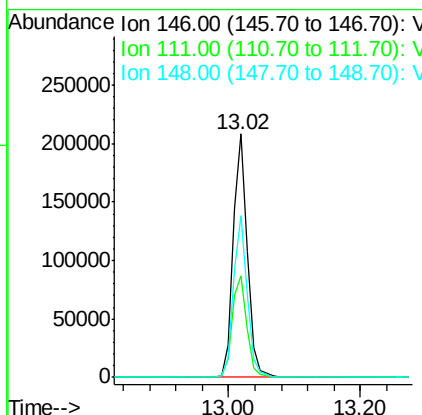
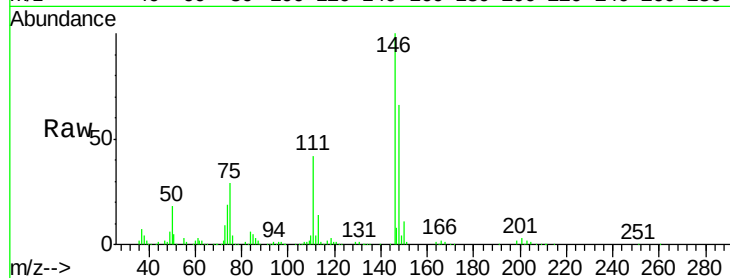
#91
 1,2-Dichlorobenzene
 Concen: 44.17 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF072318

Tot Ion	Ratio	Resp	Lower	Upper
146	100	313947		
111	41.8	21.8	65.3	
148	66.3	32.9	98.7	

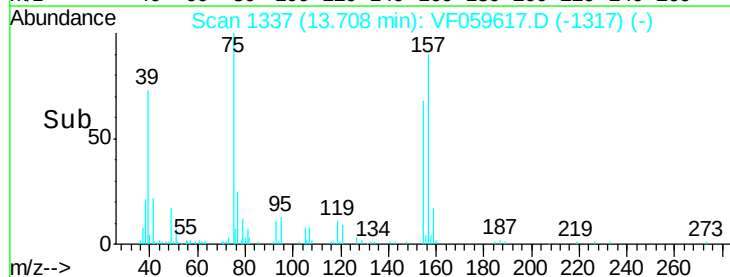
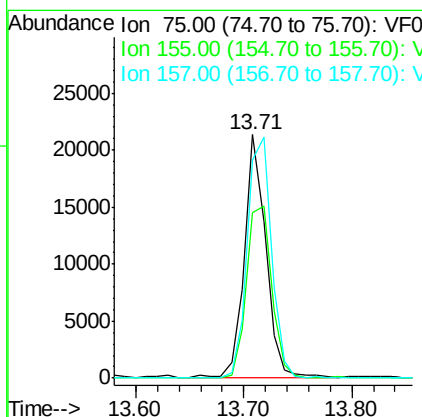
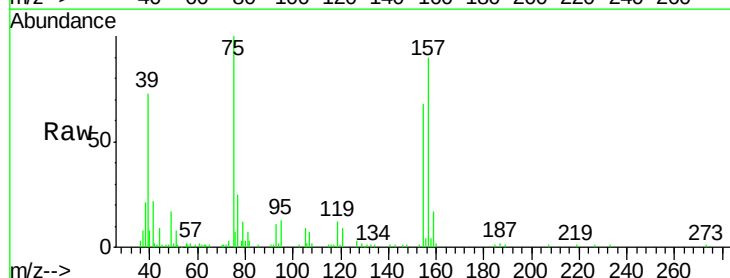
Manual Integrations
 APPROVED

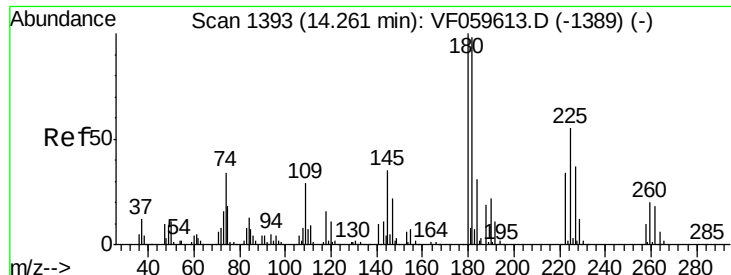
apatel
 7/24/2018 1:13:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.94 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29731		
155	67.8	34.6	103.8	
157	89.7	47.0	141.0	





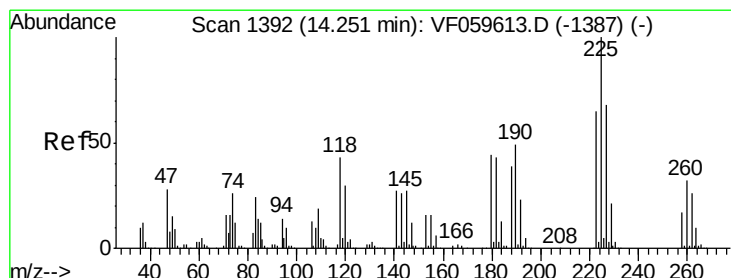
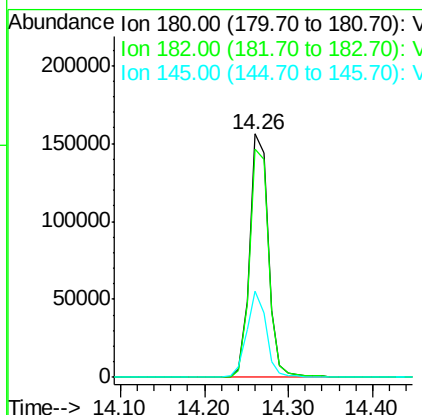
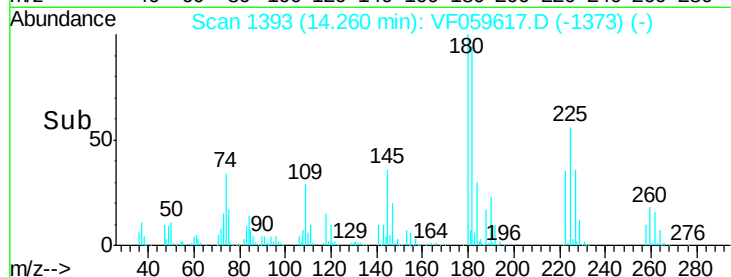
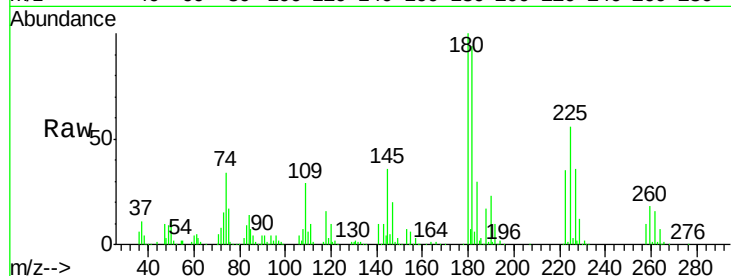
#93
 1,2,4-Trichlorobenzene
 Concen: 45.97 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV072318

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.8	146.3
145	35.5	17.5	52.6

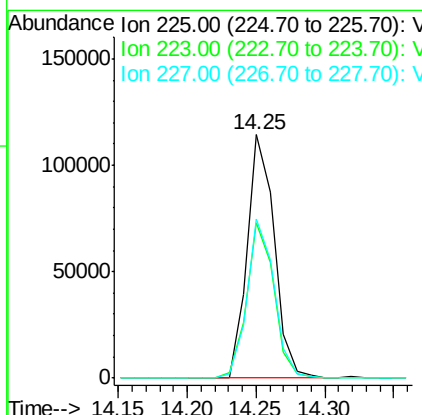
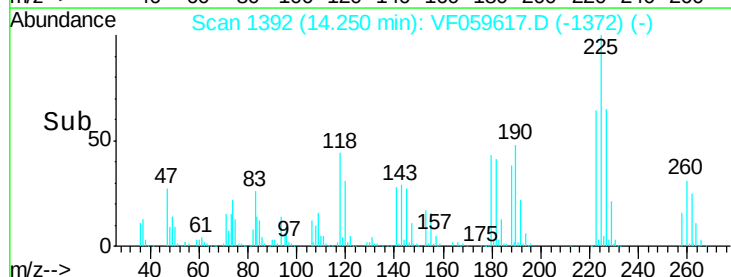
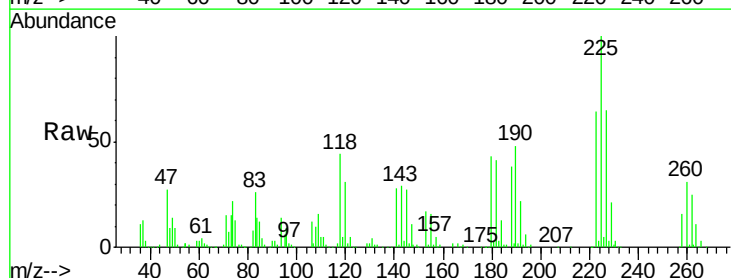
Manual Integrations
 APPROVED

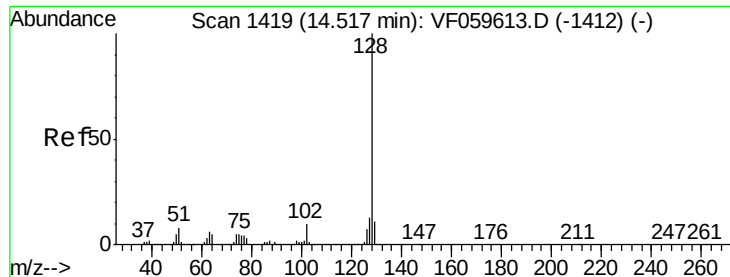
apatel
 7/24/2018 1:13:51 PM



#94
 Hexachlorobutadiene
 Concen: 42.70 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059617.D
 Acq: 23 Jul 2018 16:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.6	98.0
227	65.5	33.9	101.6





#95

Naphthalene

Concen: 53.36 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Instrument :

MSVOA_F

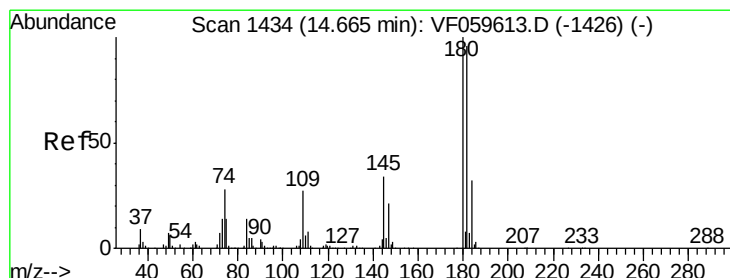
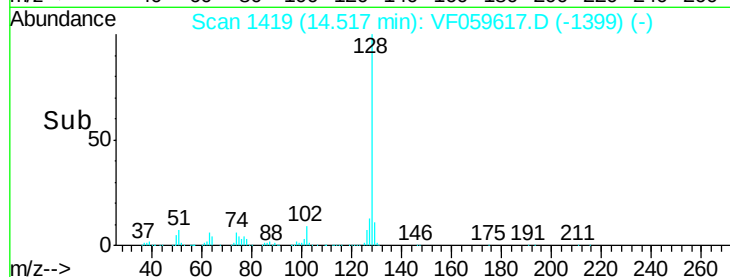
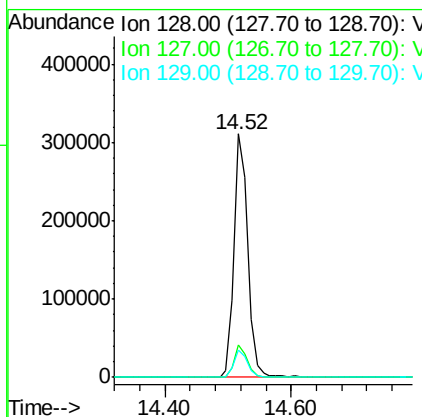
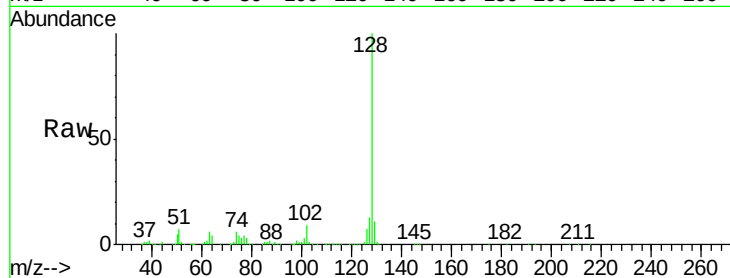
ClientSampleId :

ICVVF072318

Tot Ion:	128	Resp:	460365
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.4	9.1	13.7

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.08 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VF059617.D

Acq: 23 Jul 2018 16:26

Tgt Ion:	180	Resp:	227352
Ion Ratio		Lower	Upper
180	100		
182	96.1	48.0	144.2
145	32.7	17.1	51.2

