

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059637.D
 Acq On : 24 Jul 2018 17:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:23:05 PM

Quant Time: Jul 25 01:25:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	230902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	337560	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	306091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	199909	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	169375	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	4.27	113	155161	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	7.69	98	385998	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.50	95	199834	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	122435	43.097	ug/l	100
3) Chloromethane	1.08	50	63867	47.615	ug/l	100
4) Vinyl Chloride	1.16	62	65420	44.366	ug/l	100
5) Bromomethane	1.33	94	51029	40.576	ug/l	100
6) Chloroethane	1.41	64	40126	44.565	ug/l	100
7) Trichlorofluoromethane	1.53	101	188738m	47.338	ug/l	
8) Diethyl Ether	1.69	74	24461	43.371	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	96816	47.266	ug/l	100
10) Methyl Iodide	1.95	142	145676	43.184	ug/l	100
11) Tert butyl alcohol	2.67	59	27276	190.897	ug/l	100
12) 1,1-Dichloroethene	1.85	96	70137	43.848	ug/l	100
13) Acrolein	2.08	56	15937	227.210	ug/l	100
14) Allyl chloride	2.18	41	125791	43.463	ug/l	100
15) Acrylonitrile	3.06	53	43840	198.675	ug/l	100
16) Acetone	2.33	43	110602	184.883	ug/l	100
17) Carbon Disulfide	1.83	76	177986m	42.809	ug/l	
18) Methyl Acetate	2.45	43	39400	38.821	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	193561	41.789	ug/l	100
20) Methylene Chloride	2.27	84	63934	35.330	ug/l	100
21) trans-1,2-Dichloroethene	2.40	96	74851	45.101	ug/l	100
22) Diisopropyl ether	2.91	45	241498	45.636	ug/l	100
23) Vinyl Acetate	3.32	43	585736	222.107	ug/l	100
24) 1,1-Dichloroethane	2.99	63	170485	44.725	ug/l	100
25) 2-Butanone	4.49	43	129461	207.300	ug/l	100
26) 2,2-Dichloropropane	3.75	77	138401	43.612	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	93060	48.863	ug/l	100
28) Bromochloromethane	3.87	49	63639	45.427	ug/l	100
29) Tetrahydrofuran	4.24	42	53369	209.753	ug/l	100
30) Chloroform	4.02	83	247723	47.079	ug/l	100
31) Cyclohexane	3.85	56	99434	46.532	ug/l	100
32) 1,1,1-Trichloroethane	4.26	97	204518	43.452	ug/l	100
36) 1,1-Dichloropropene	4.44	75	155706	45.869	ug/l	100
37) Ethyl Acetate	4.26	43	57632	43.144	ug/l	100
38) Carbon Tetrachloride	4.15	117	216936	42.220	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059637.D
 Acq On : 24 Jul 2018 17:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µl/5mL/MSVOA F/SOIL
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:23:05 PM

Quant Time: Jul 25 01:25:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	120482	44.003	ug/l	100
40) Benzene	4.79	78	282118	45.461	ug/l	100
41) Methacrylonitrile	4.90	41	30381	46.045	ug/l	100
42) 1,2-Dichloroethane	5.10	62	172634	42.047	ug/l	100
43) Isopropyl Acetate	7.10	43	64315	38.663	ug/l	100
44) Trichloroethene	5.66	130	106531	44.990	ug/l	100
45) 1,2-Dichloropropane	6.39	63	73690	44.409	ug/l	100
46) Dibromomethane	6.23	93	59119	43.827	ug/l	100
47) Bromodichloromethane	6.53	83	184190	44.590	ug/l	100
48) Methyl methacrylate	6.85	41	51490	40.654	ug/l	100
49) 1,4-Dioxane	6.84	88	8101	909.899	ug/l	100
51) 4-Methyl-2-Pentanone	8.39	43	259151	208.249	ug/l	100
52) Toluene	7.76	92	202957	43.242	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	140910	40.757	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	149272	43.341	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	61752	39.662	ug/l	100
56) Ethyl methacrylate	8.75	69	67796	39.280	ug/l	100
57) 1,3-Dichloropropane	8.98	76	106704	39.219	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	43635	212.991	ug/l	100
59) 2-Hexanone	9.61	43	191451	193.650	ug/l	100
60) Dibromochloromethane	8.85	129	121606	43.497	ug/l	100
61) 1,2-Dibromoethane	9.12	107	77091	43.020	ug/l	100
64) Tetrachloroethene	8.29	164	109559	47.804	ug/l	100
65) Chlorobenzene	9.93	112	255033	45.700	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	121345	47.726	ug/l	100
67) Ethyl Benzene	10.02	91	425590	42.109	ug/l	100
68) m/p-Xylenes	10.25	106	334342	95.349	ug/l	100
69) o-Xylene	10.82	106	181880	48.099	ug/l	100
70) Styrene	10.90	104	264004	46.866	ug/l	100
71) Bromoform	10.88	173	72202	46.260	ug/l	100
73) Isopropylbenzene	11.22	105	582003	45.923	ug/l	100
74) N-amyl acetate	11.46	43	121899	43.789	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	93297	44.533	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	75636	41.222	ug/l	100
77) Bromobenzene	11.59	156	136948	42.366	ug/l	100
78) n-propylbenzene	11.67	91	664437	43.948	ug/l	100
79) 2-Chlorotoluene	11.80	91	408118	44.891	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	521123	45.818	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	42798	56.346	ug/l	100
82) 4-Chlorotoluene	11.98	91	430582	42.736	ug/l	100
83) tert-Butylbenzene	12.21	119	513371	45.701	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	525961	45.655	ug/l	100
85) sec-Butylbenzene	12.38	105	680858	46.685	ug/l	100
86) p-Isopropyltoluene	12.53	119	592718	46.428	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	273383	43.545	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	263650	45.048	ug/l	100
89) n-Butylbenzene	12.91	91	588740	48.005	ug/l	100
90) Hexachloroethane	12.99	117	154588	48.504	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	269920	45.697	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	23367	45.846	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072418\
Data File : VF059637.D
Acq On : 24 Jul 2018 17:30
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 85 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

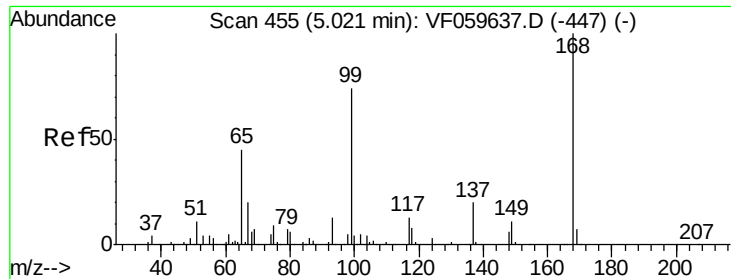
Manual Integrations
APPROVED

apatel
7/25/2018 2:23:05 PM

Quant Time: Jul 25 01:25:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 00:58:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	213741	48.425	ug/l	100
94) Hexachlorobutadiene	14.25	225	150290	48.781	ug/l	100
95) Naphthalene	14.51	128	348726	49.011	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	195794	48.926	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 230902

Ion Ratio Lower Upper

168 100

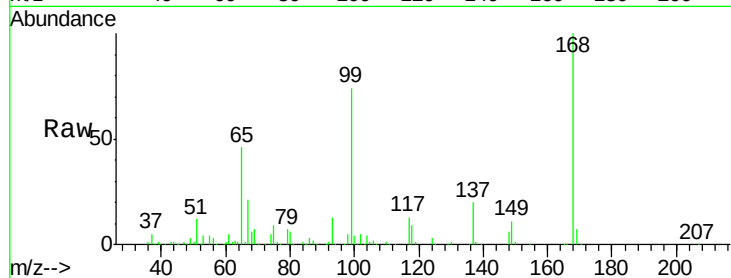
99 74.4 59.5 89.3

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

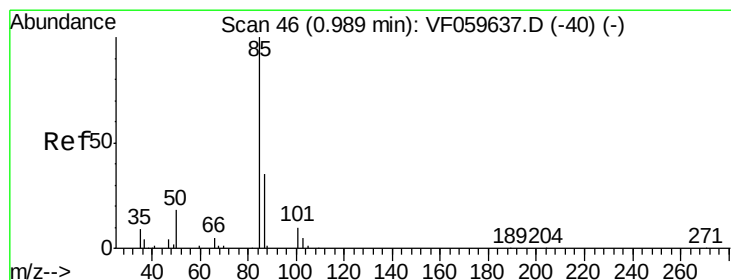
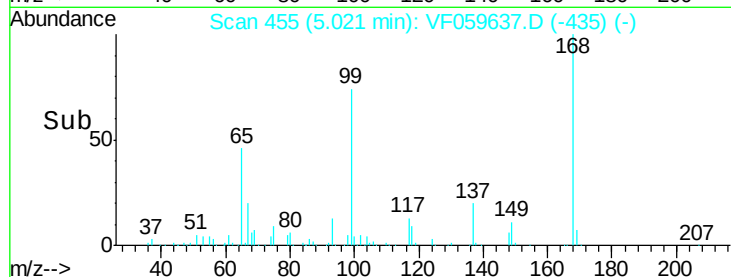
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 43.097 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059637.D

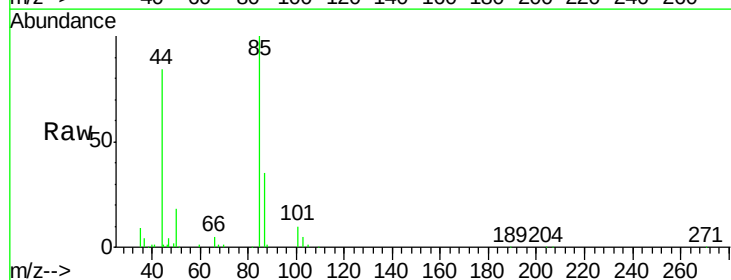
Acq: 24 Jul 2018 17:30

Tgt Ion: 85 Resp: 122435

Ion Ratio Lower Upper

85 100

87 34.8 17.4 52.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

40000

30000

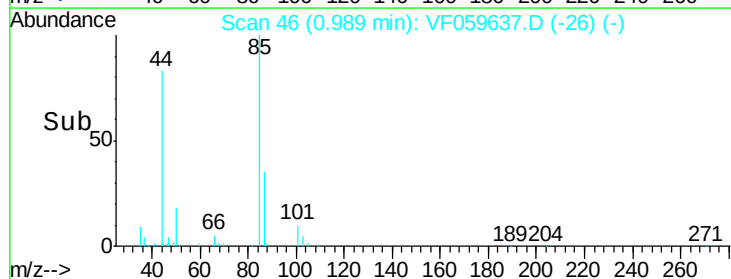
20000

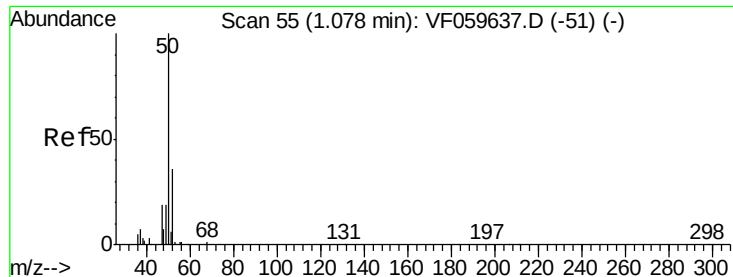
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 47.615 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 63867

Ion Ratio Lower Upper

50 100

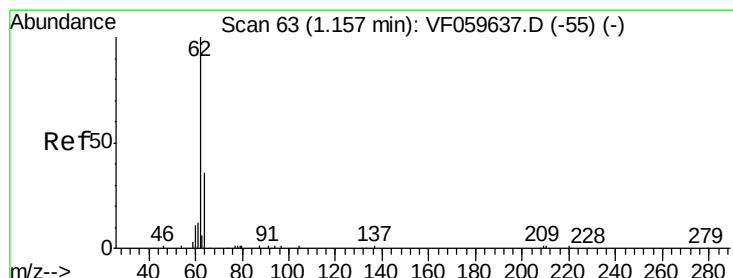
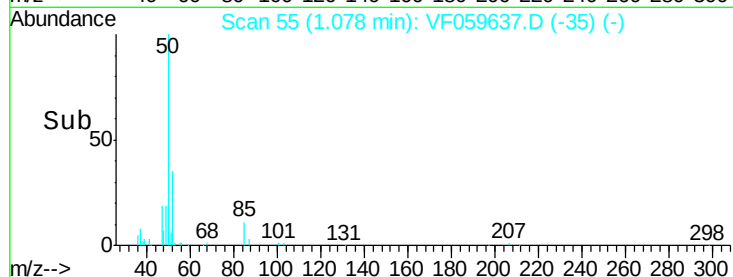
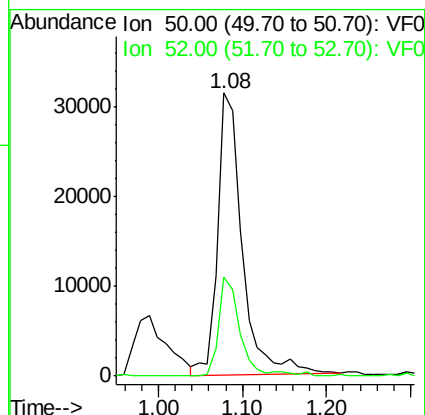
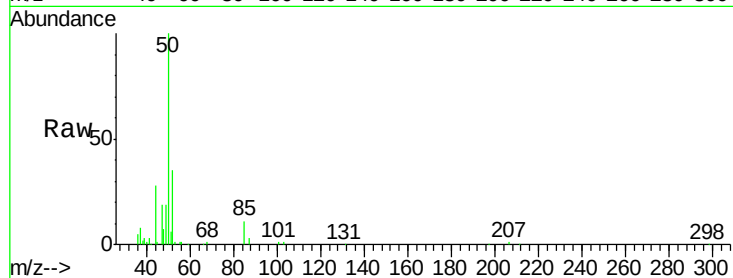
52 35.0 28.0 42.0

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



#4

Vinyl Chloride

Concen: 44.366 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059637.D

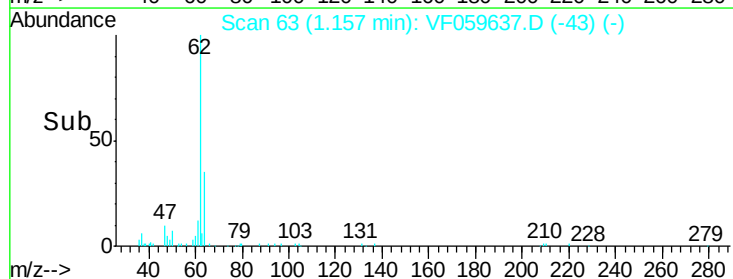
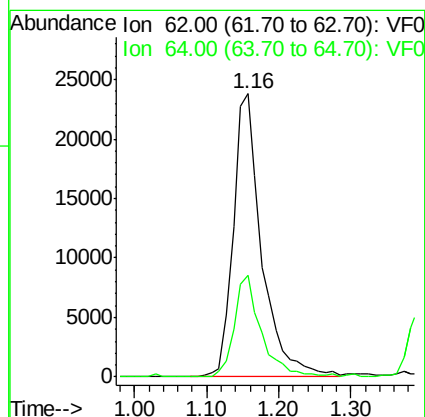
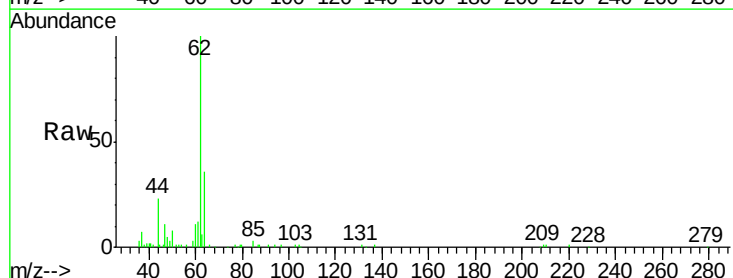
Acq: 24 Jul 2018 17:30

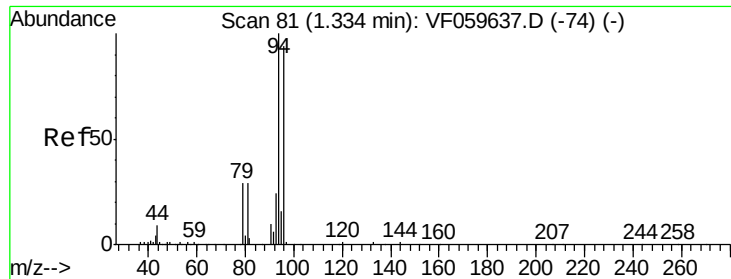
Tgt Ion: 62 Resp: 65420

Ion Ratio Lower Upper

62 100

64 35.8 28.6 43.0





#5

Bromomethane

Concen: 40.576 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 51029

Ion Ratio Lower Upper

94 100

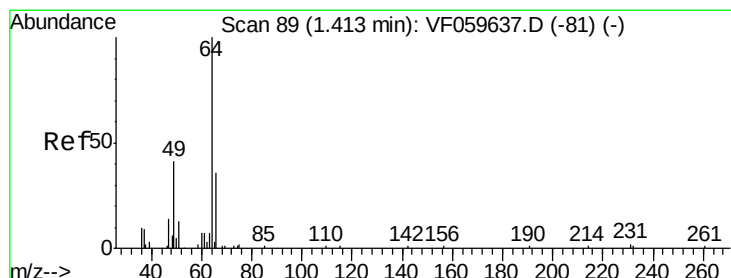
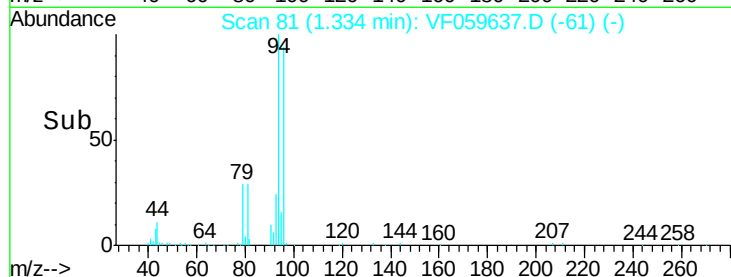
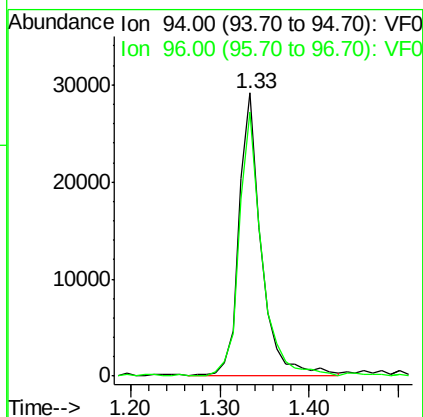
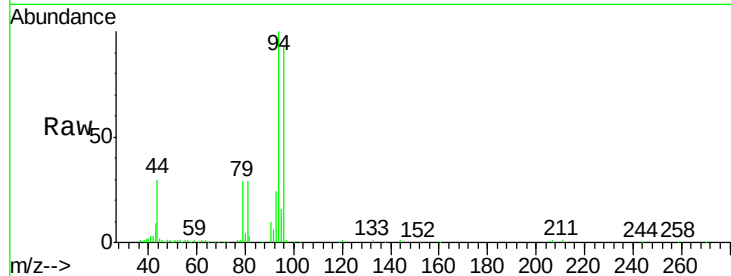
96 93.3 74.6 112.0

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



#6

Chloroethane

Concen: 44.565 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF059637.D

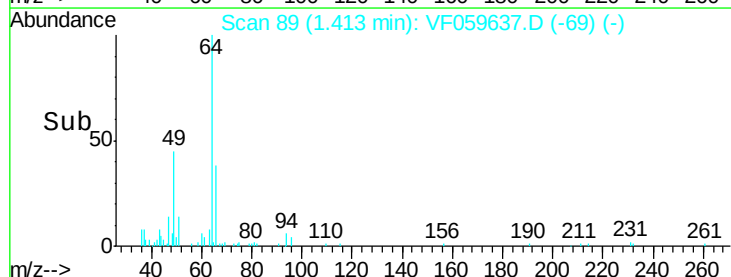
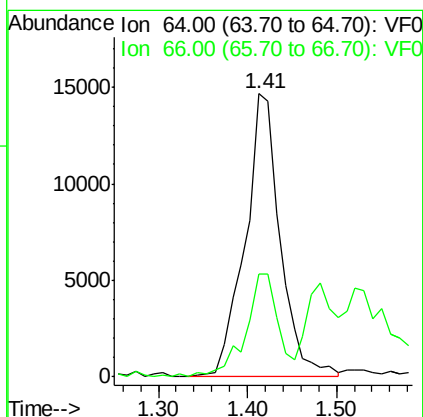
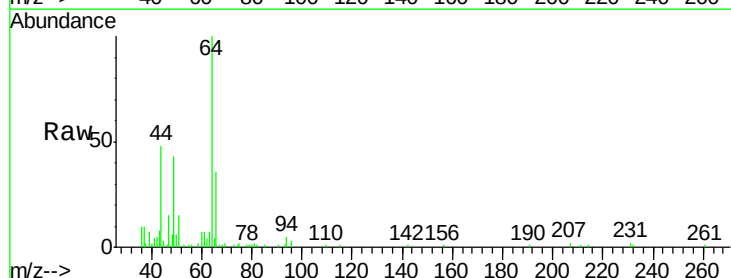
Acq: 24 Jul 2018 17:30

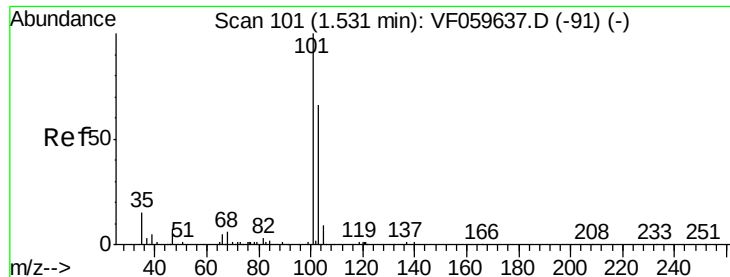
Tgt Ion: 64 Resp: 40126

Ion Ratio Lower Upper

64 100

66 36.3 29.0 43.6





#7

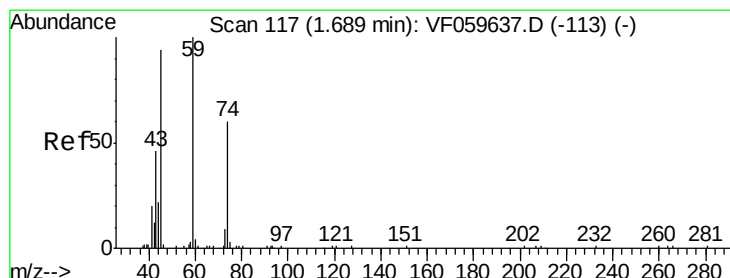
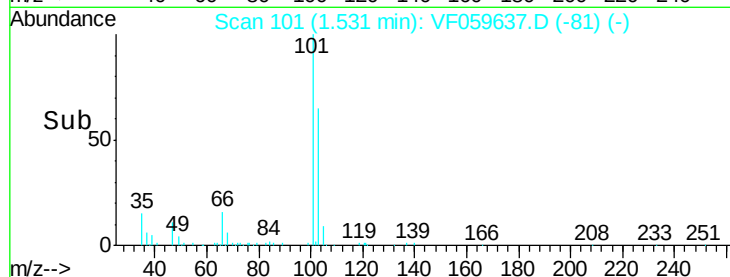
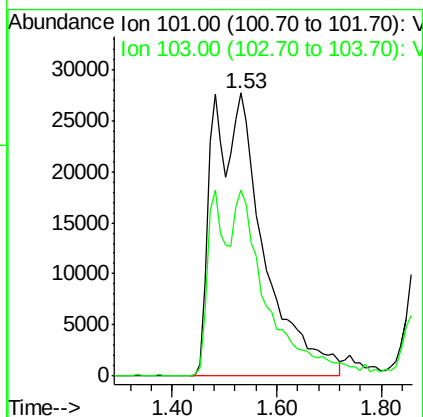
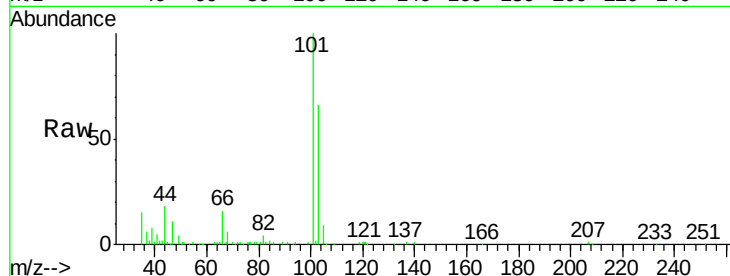
Trichlorofluoromethane
Concen: 47.338 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7

Manual Integrations
APPROVED

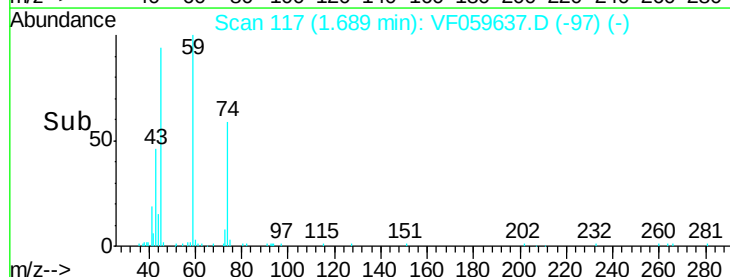
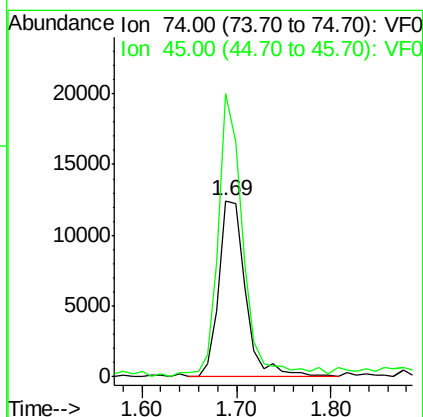
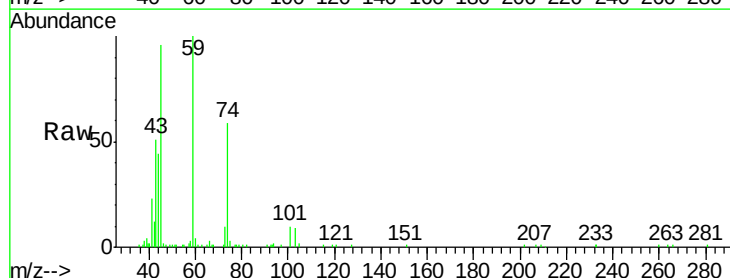
apatel
7/25/2018 2:23:05 PM

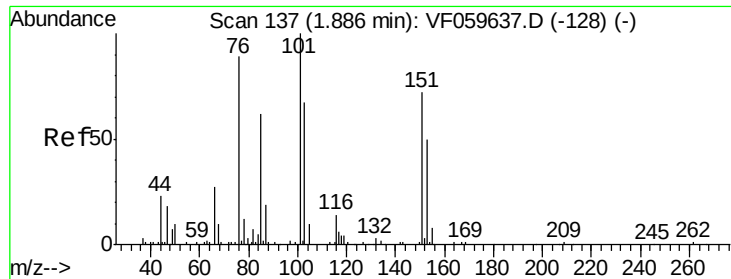


#8

Diethyl Ether
Concen: 43.371 ug/l
RT: 1.69 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	160.7	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.266 ug/l

RT: 1.89 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

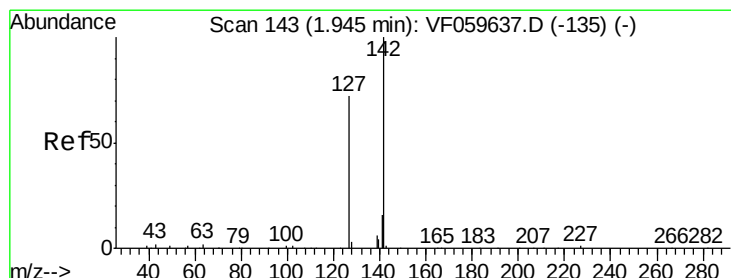
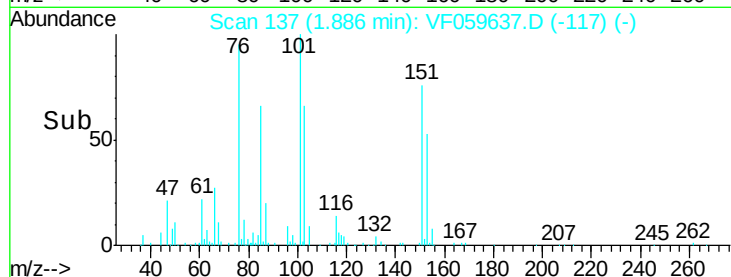
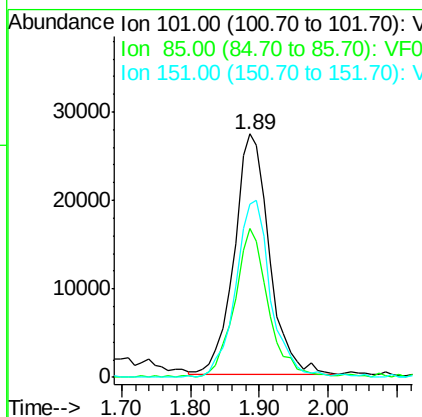
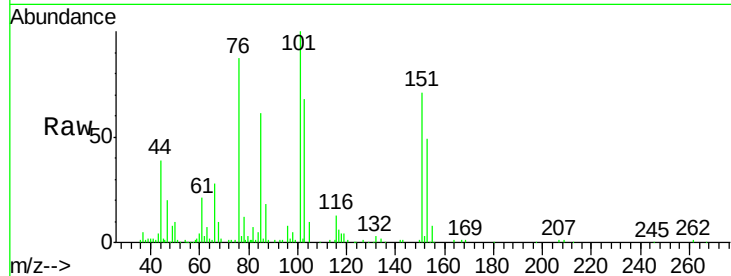
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	96816
Ion Ratio	Lower	Upper	
101	100		
85	61.2	49.0	73.4
151	71.0	56.8	85.2

Manual Integrations
APPROVED

apatel
7/25/2018 2:23:05 PM



#10

Methyl Iodide

Concen: 43.184 ug/l

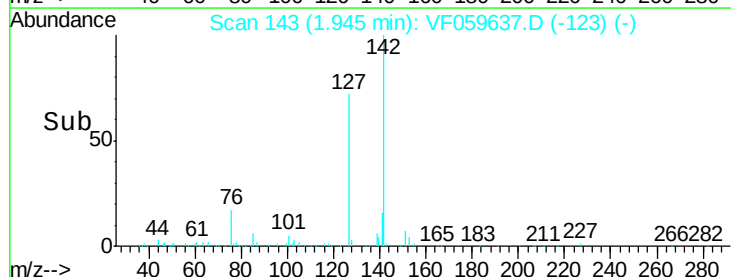
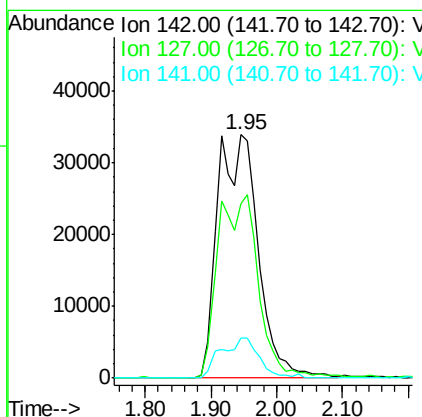
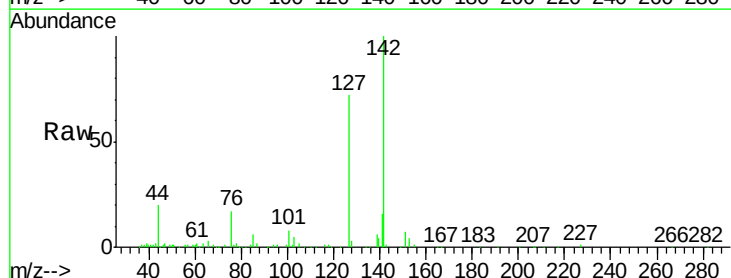
RT: 1.95 min Scan# 143

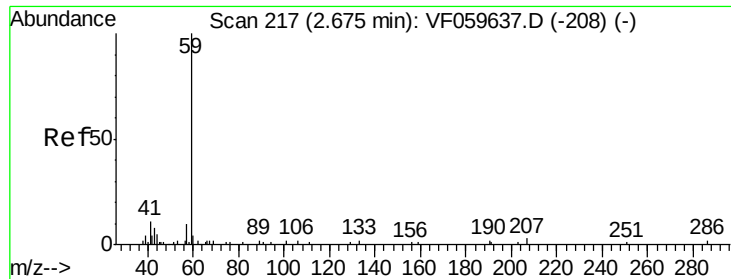
Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Tgt Ion:	142	Resp:	145676
Ion Ratio	Lower	Upper	
142	100		
127	71.9	57.5	86.3
141	16.5	13.2	19.8





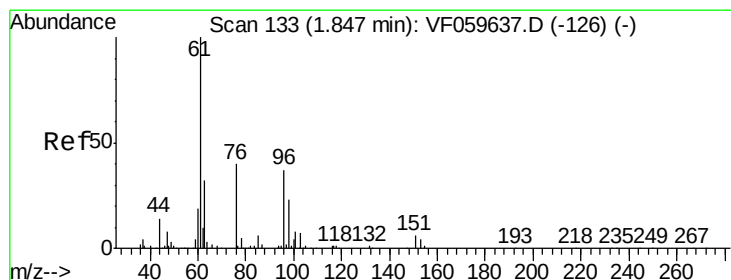
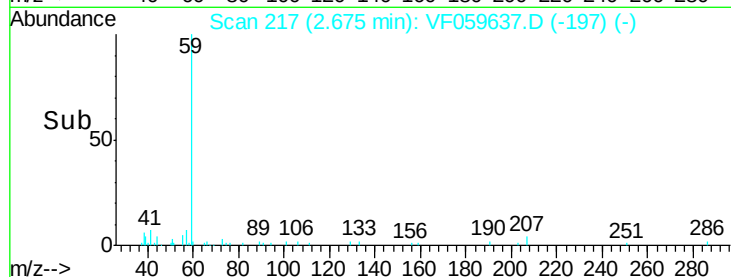
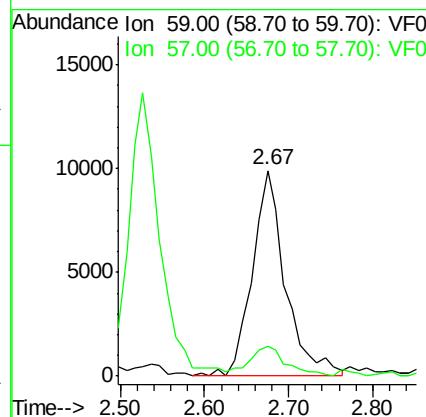
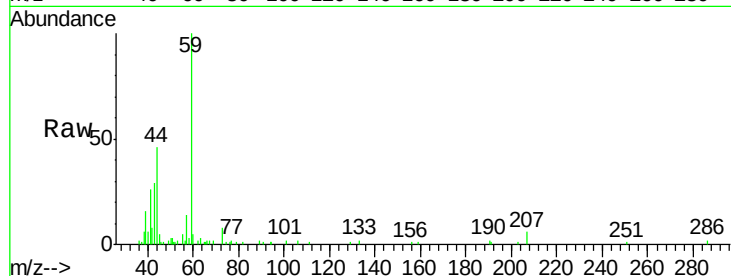
#11
Tert butyl alcohol
Concen: 190.897 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	27276
Ion Ratio	100	Lower	Upper
57	14.3	11.4	17.2

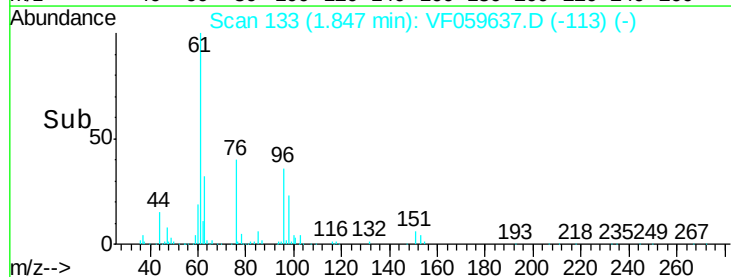
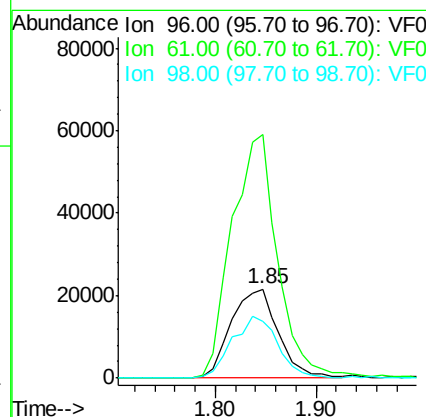
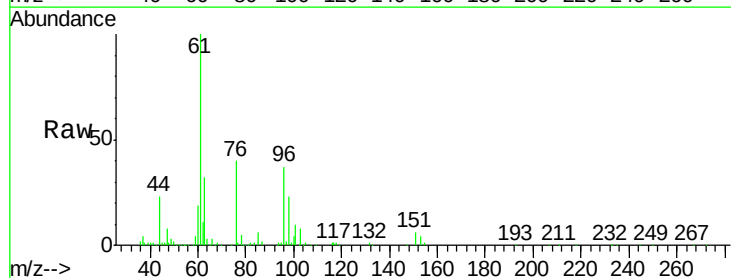
Manual Integrations
APPROVED

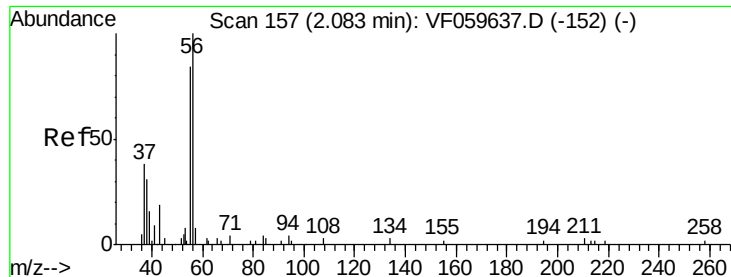
apatel
7/25/2018 2:23:05 PM



#12
1,1-Dichloroethene
Concen: 43.848 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	96	Resp	70137
Ion Ratio	100	Lower	Upper
61	272.8	218.2	327.4
98	63.3	50.6	76.0





#13

Acrolein

Concen: 227.210 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 15937

Ion Ratio Lower Upper

56 100

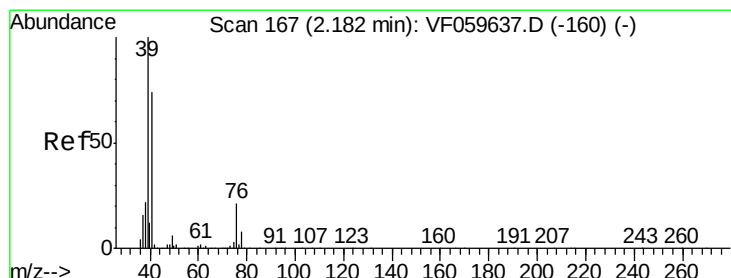
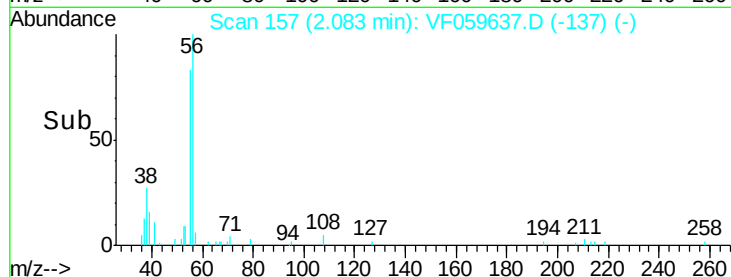
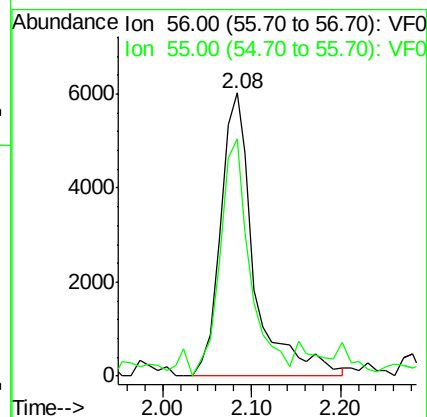
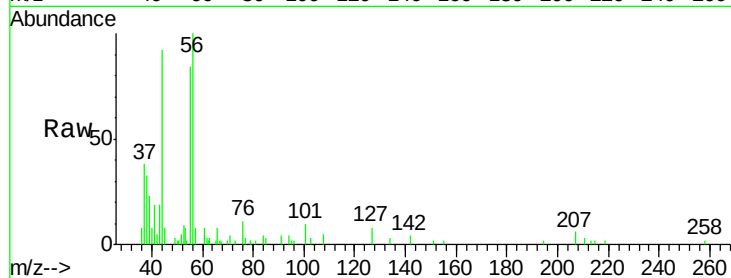
55 84.0 67.2 100.8

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



#14

Allyl chloride

Concen: 43.463 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

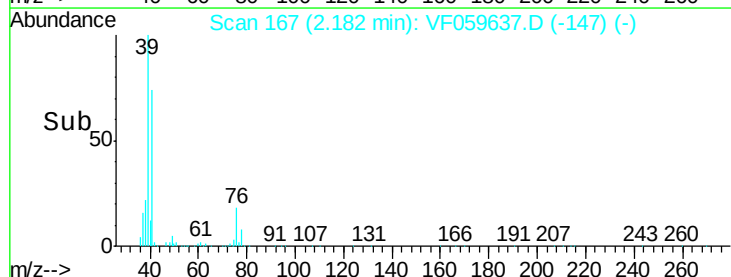
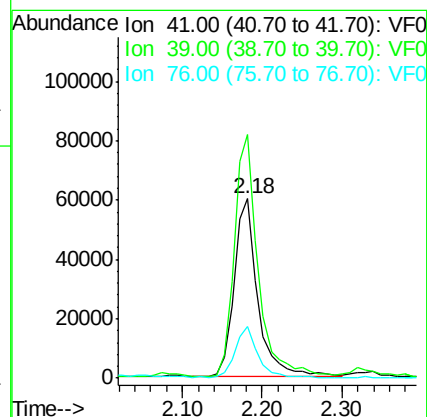
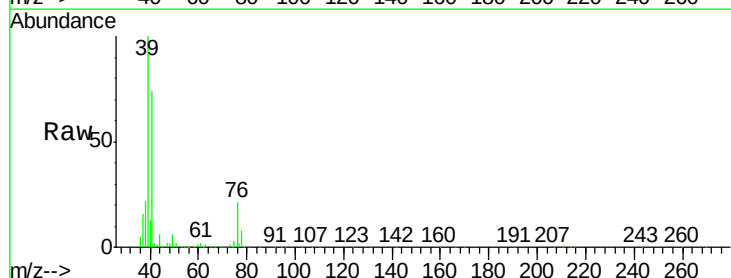
Tgt Ion: 41 Resp: 125791

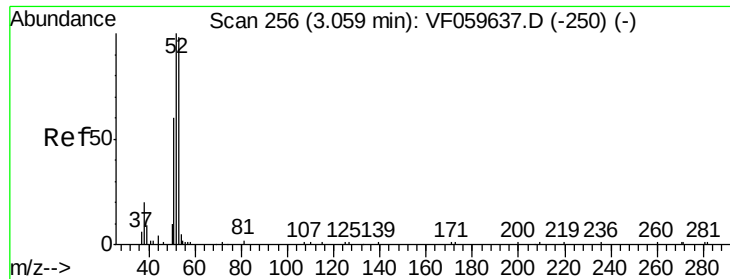
Ion Ratio Lower Upper

41 100

39 135.7 108.6 162.8

76 28.8 23.0 34.6





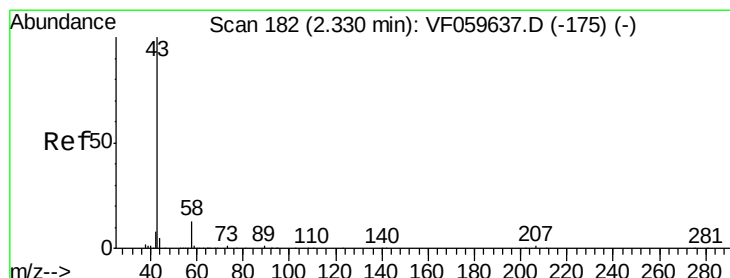
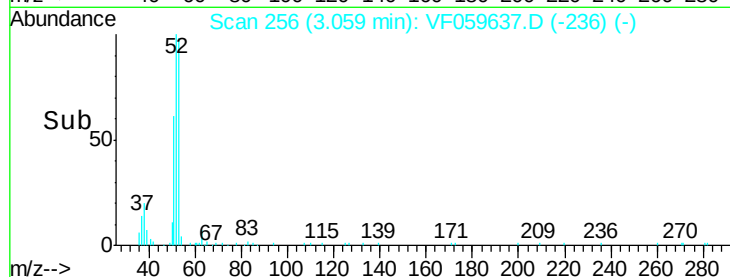
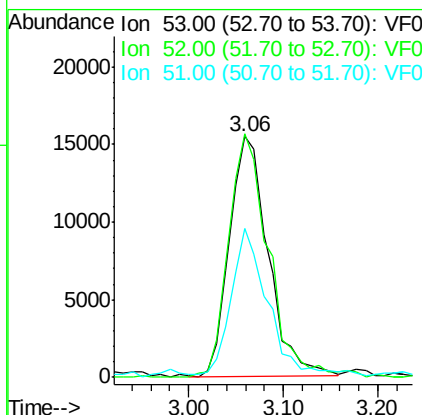
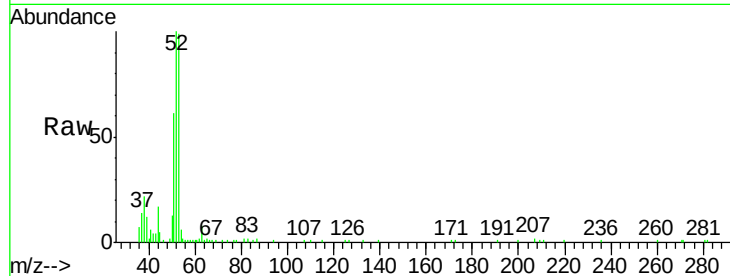
#15
 Acrylonitrile
 Concen: 198.675 ug/l
 RT: 3.06 min Scan# 256
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	53	Resp	43840
Ion	Ratio	Lower	Upper
53	100		
52	101.1	80.9	121.3
51	61.8	49.4	74.2

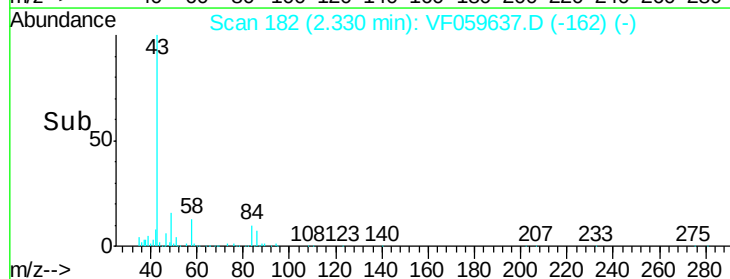
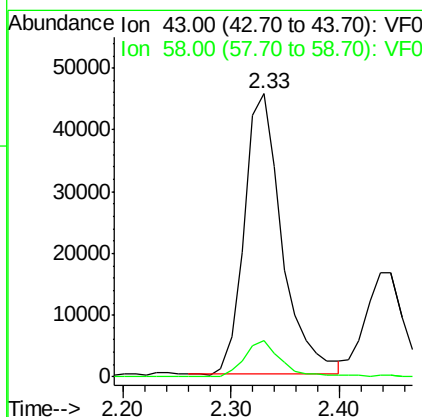
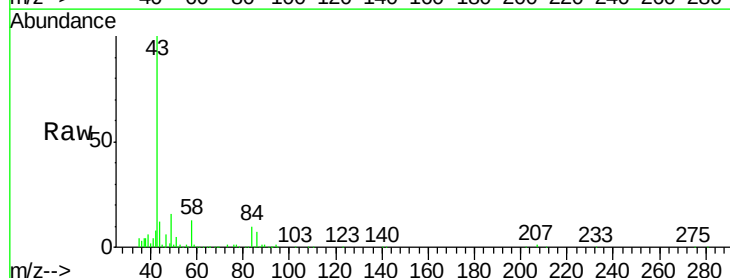
Manual Integrations
 APPROVED

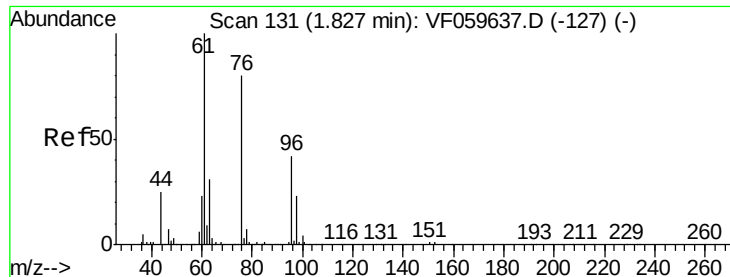
apatel
 7/25/2018 2:23:05 PM



#16
 Acetone
 Concen: 184.883 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Tgt Ion	43	Resp	110602
Ion	Ratio	Lower	Upper
43	100		
58	12.7	10.2	15.2





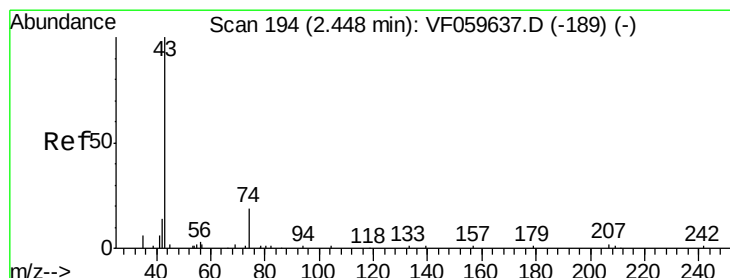
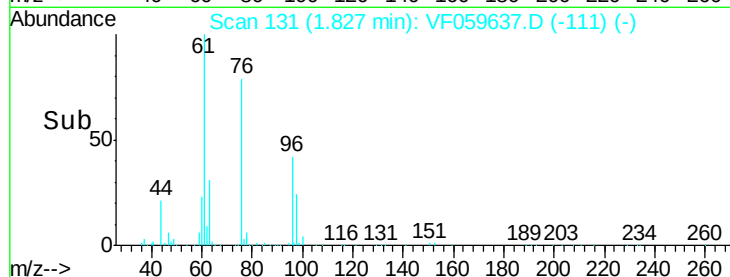
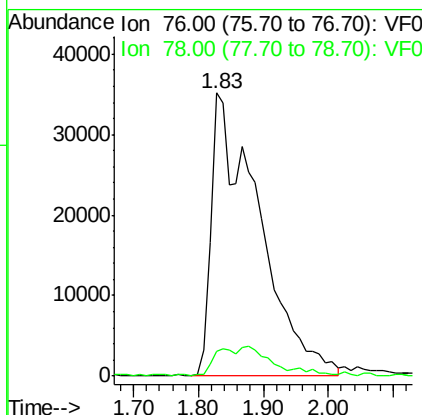
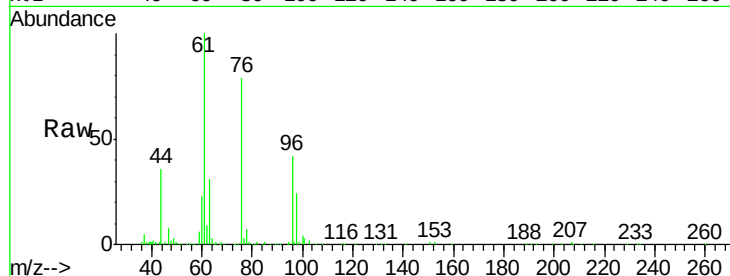
#17
Carbon Disulfide
Concen: 42.809 ug/l m
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 177986
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

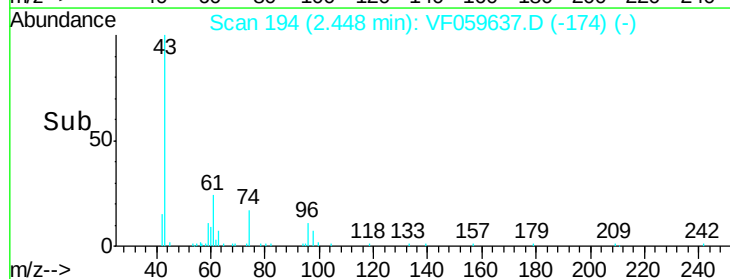
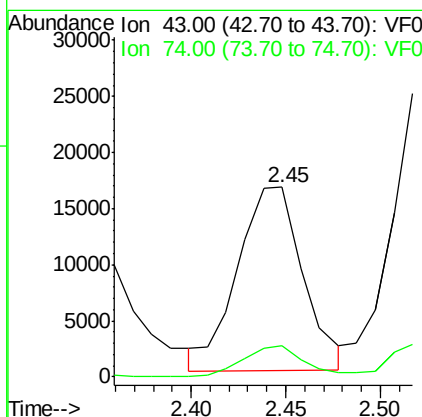
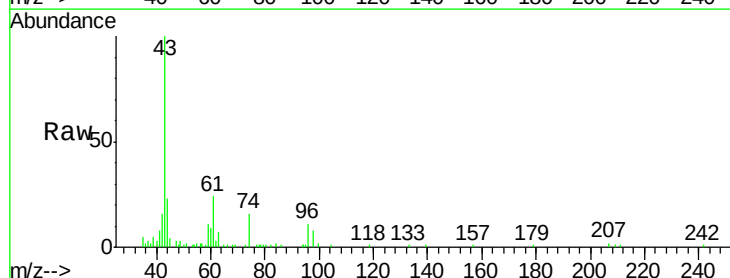
Manual Integrations
APPROVED

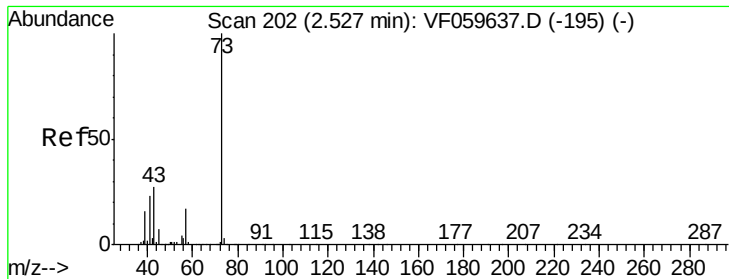
apatel
7/25/2018 2:23:05 PM



#18
Methyl Acetate
Concen: 38.821 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion: 43 Resp: 39400
Ion Ratio Lower Upper
43 100
74 16.3 13.0 19.6





#19

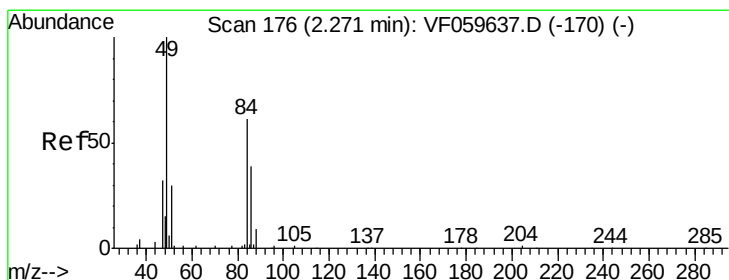
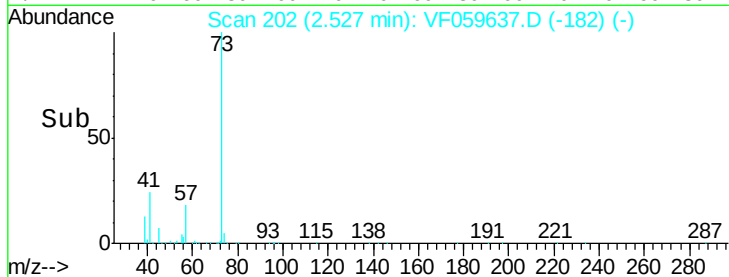
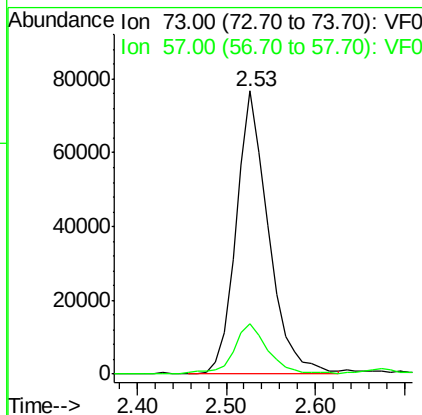
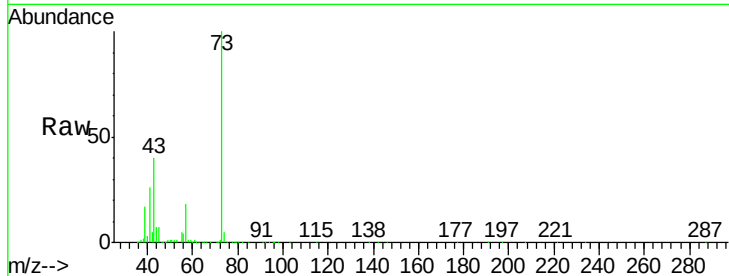
Methyl tert-butyl Ether
 Concen: 41.789 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	14.2	21.4

Manual Integrations
 APPROVED

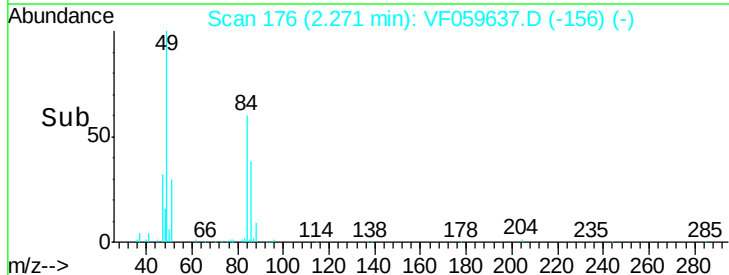
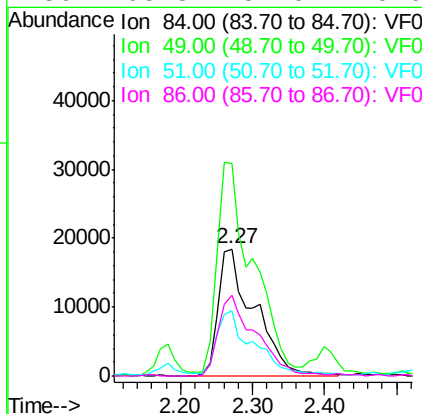
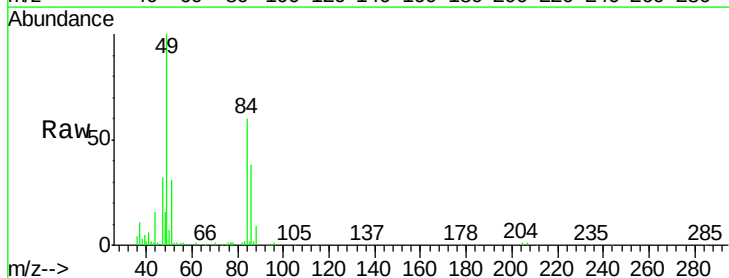
apatel
 7/25/2018 2:23:05 PM

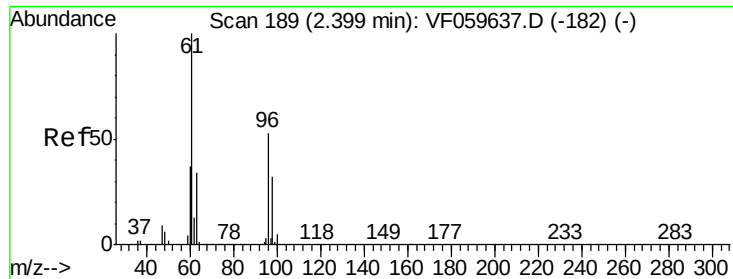


#20

Methylene Chloride
 Concen: 35.330 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	167.3	133.8	200.8
51	51.4	41.1	61.7
86	63.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 45.101 ug/l

RT: 2.40 min Scan# 189

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

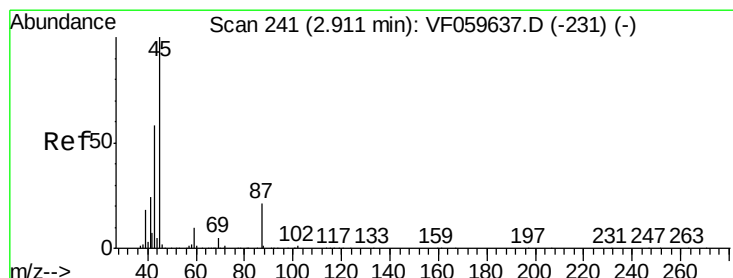
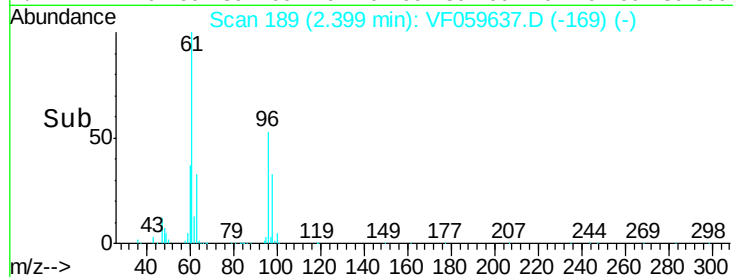
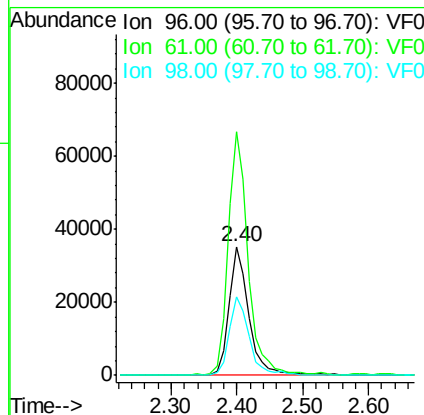
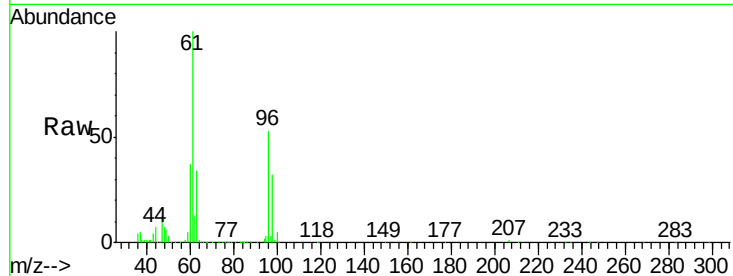
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	74851
Ion	Ratio	Lower	Upper
96	100		
61	189.3	151.4	227.2
98	61.3	49.0	73.6

Manual Integrations
APPROVED

apatel
7/25/2018 2:23:05 PM



#22

Diisopropyl ether

Concen: 45.636 ug/l

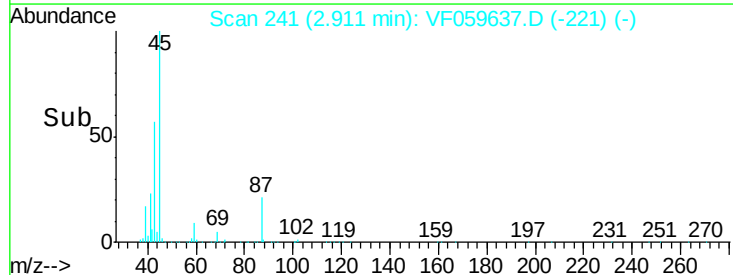
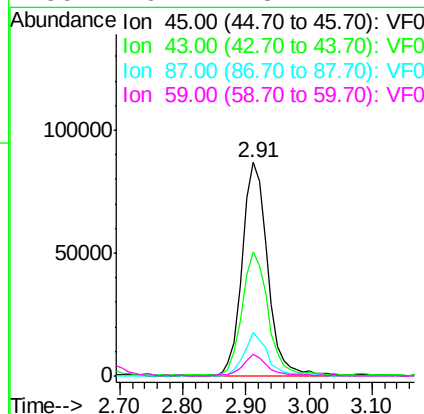
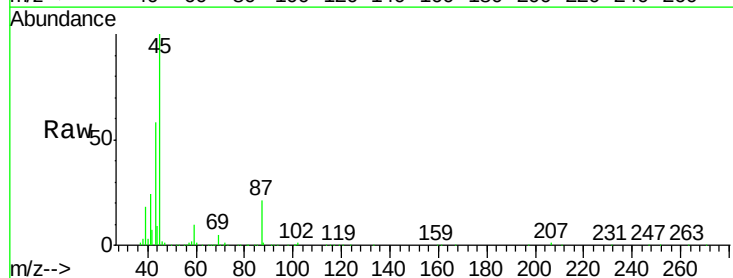
RT: 2.91 min Scan# 241

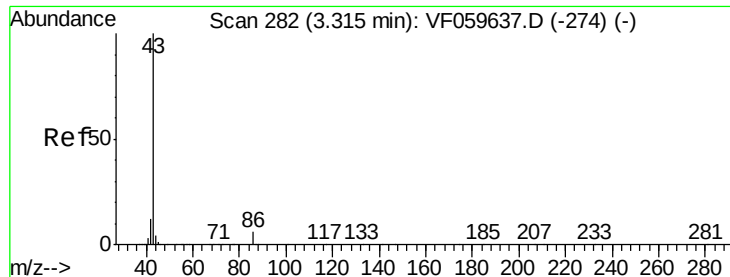
Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Tgt Ion:	45	Resp:	241498
Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.5	69.7
87	20.6	16.5	24.7
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 222.107 ug/l

RT: 3.32 min Scan# 282

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 585736

Ion Ratio Lower Upper

43 100

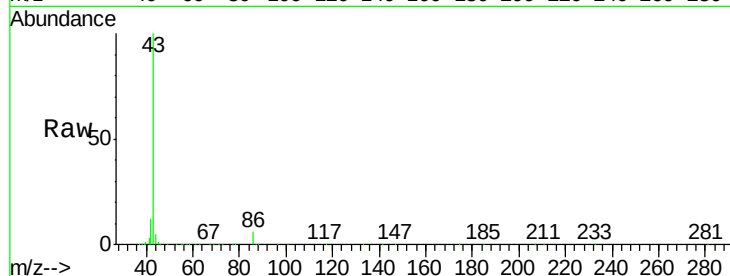
86 5.6 4.5 6.7

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

250000

200000

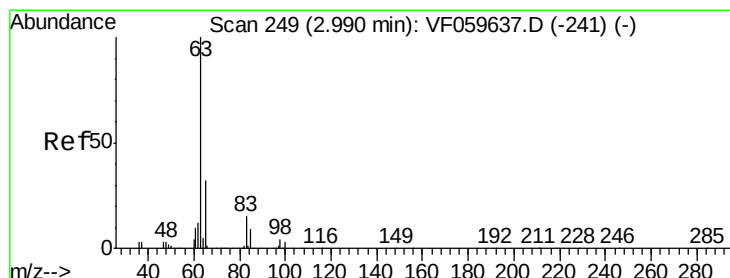
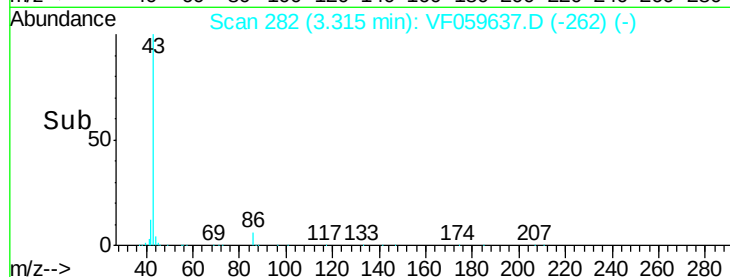
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.725 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

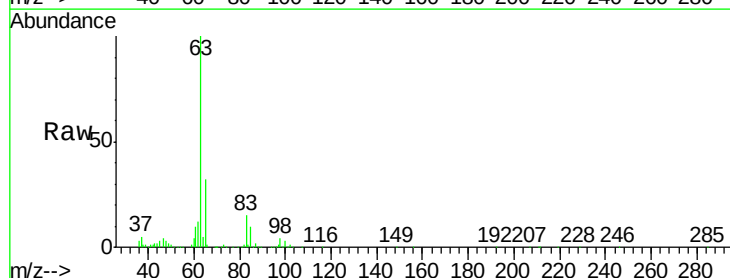
Tgt Ion: 63 Resp: 170485

Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.5

100 2.6 1.3 3.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.99

80000

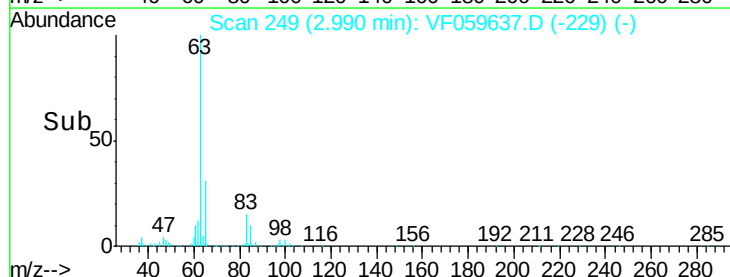
60000

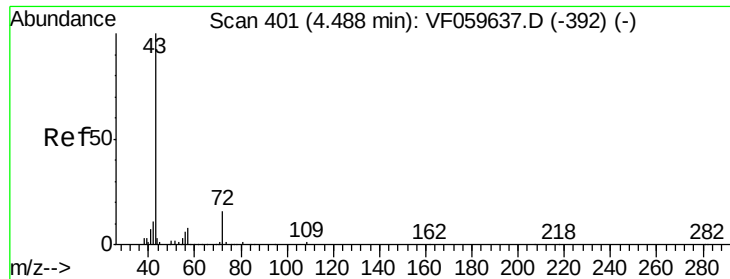
40000

20000

0

Time-->





#25

2-Butanone

Concen: 207.300 ug/l

RT: 4.49 min Scan# 401

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 129461

Ion Ratio Lower Upper

43 100

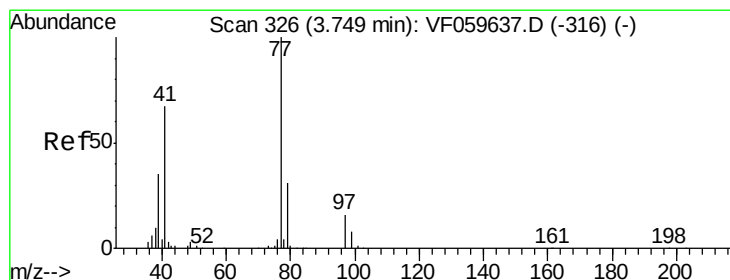
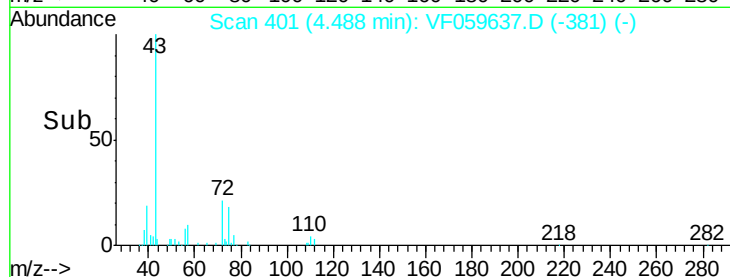
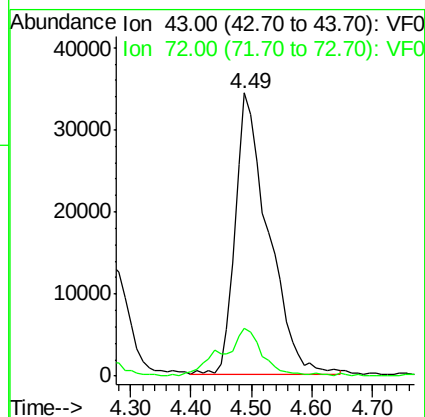
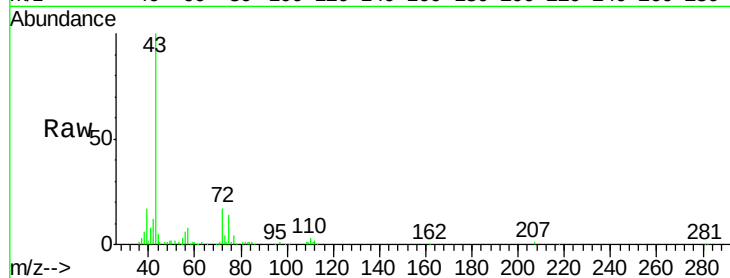
72 16.9 13.5 20.3

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



#26

2,2-Dichloropropane

Concen: 43.612 ug/l

RT: 3.75 min Scan# 326

Delta R.T. 0.00 min

Lab File: VF059637.D

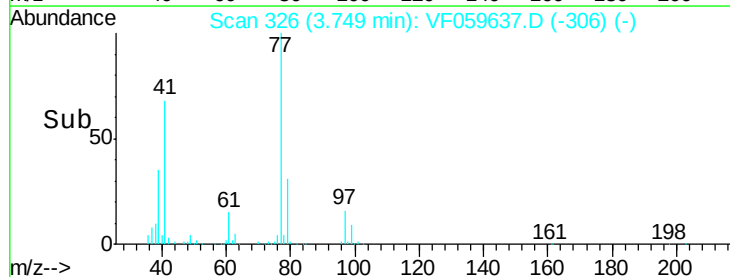
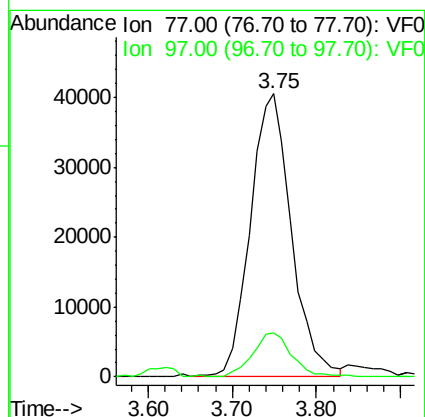
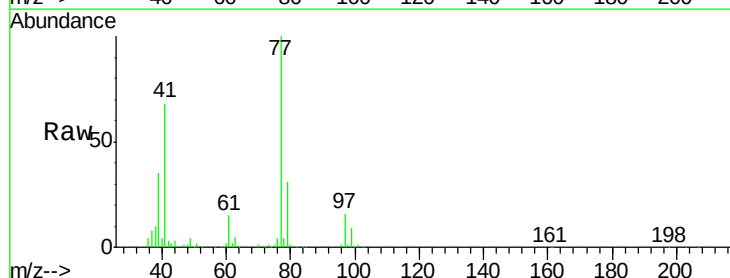
Acq: 24 Jul 2018 17:30

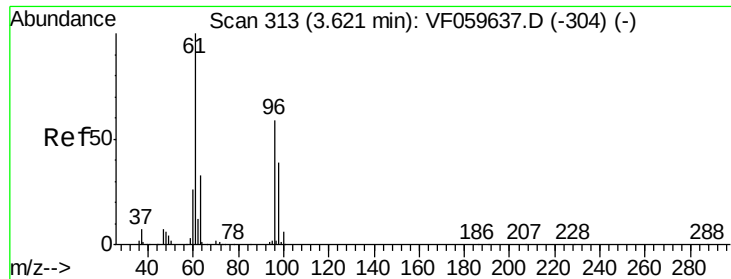
Tgt Ion: 77 Resp: 138401

Ion Ratio Lower Upper

77 100

97 15.5 7.8 23.3





#27

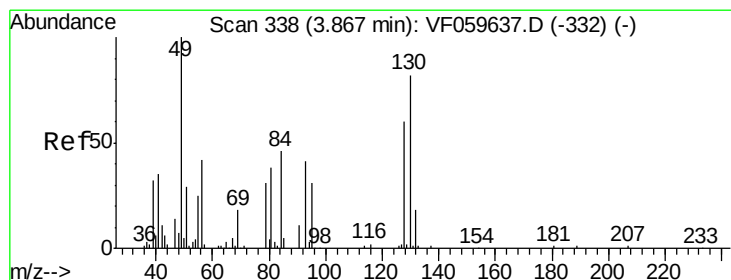
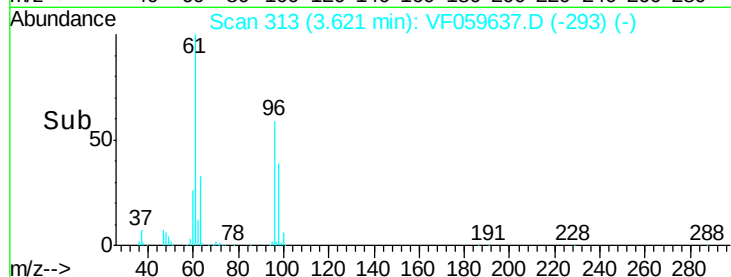
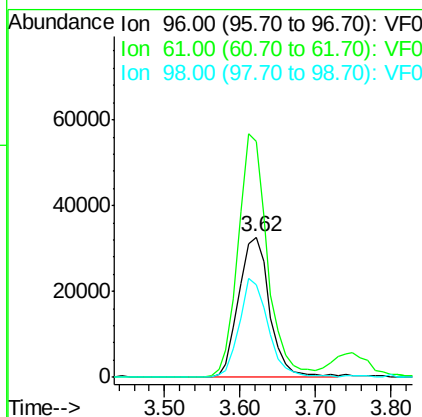
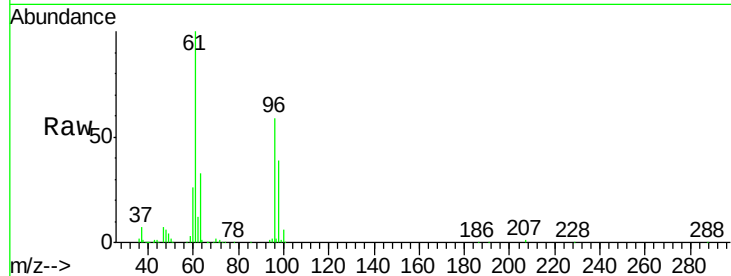
cis-1,2-Dichloroethene
Concen: 48.863 ug/l
RT: 3.62 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.7	0.0	337.4
98	66.4	0.0	132.8

Manual Integrations
APPROVED

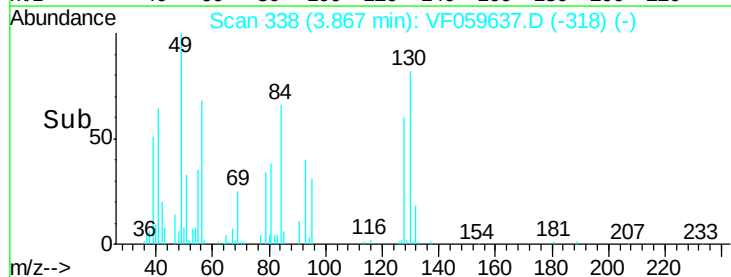
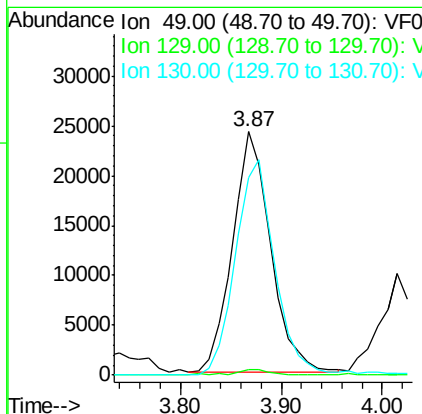
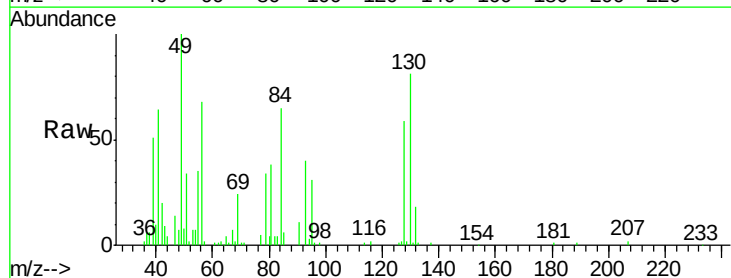
apatel
7/25/2018 2:23:05 PM

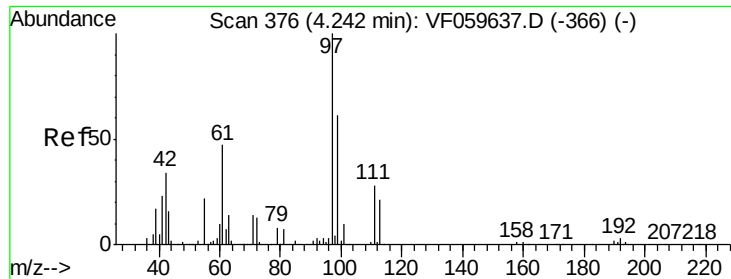


#28

Bromochloromethane
Concen: 45.427 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	81.2	65.0	97.4





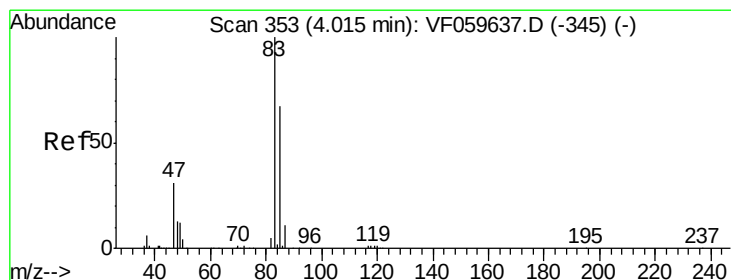
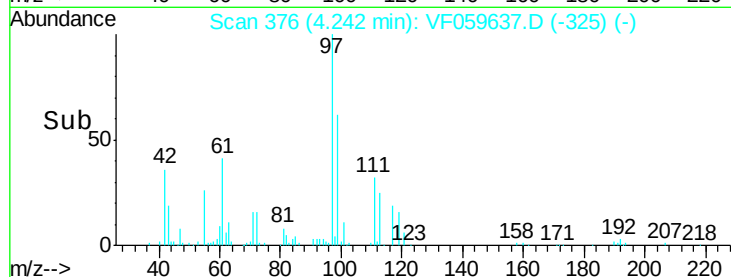
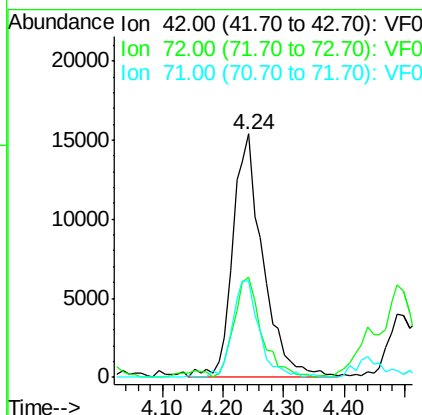
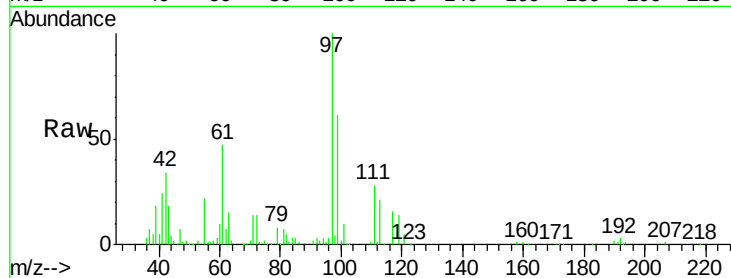
#29
Tetrahydrofuran
Concen: 209.753 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.0	45.0
71	35.7	28.6	42.8

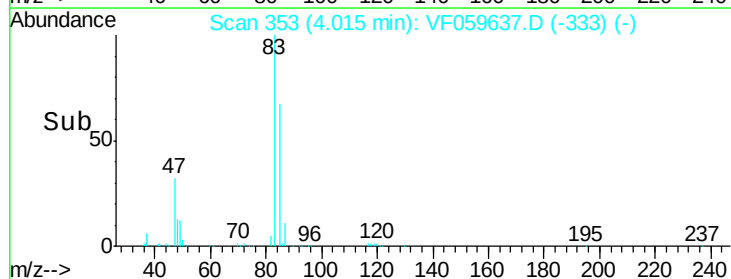
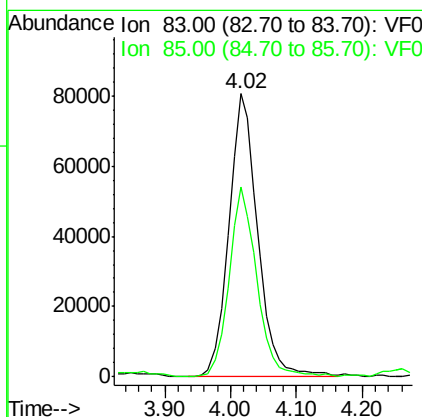
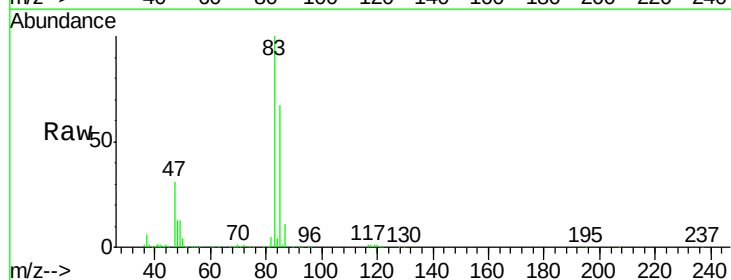
Manual Integrations
APPROVED

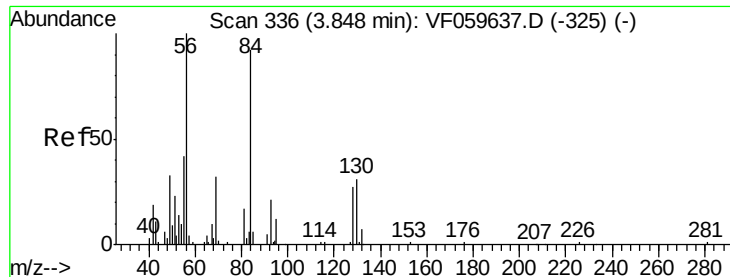
apatel
7/25/2018 2:23:05 PM



#30
Chloroform
Concen: 47.079 ug/l
RT: 4.02 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.8	80.8





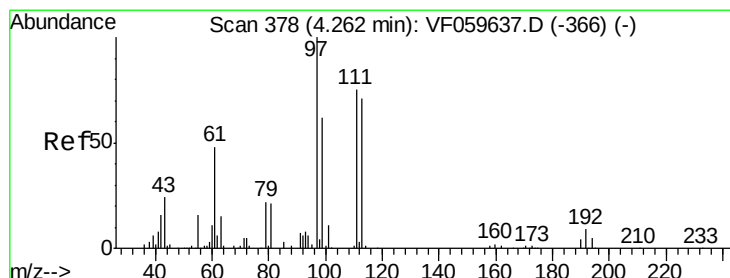
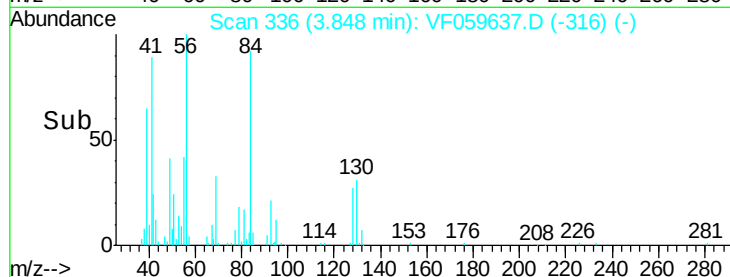
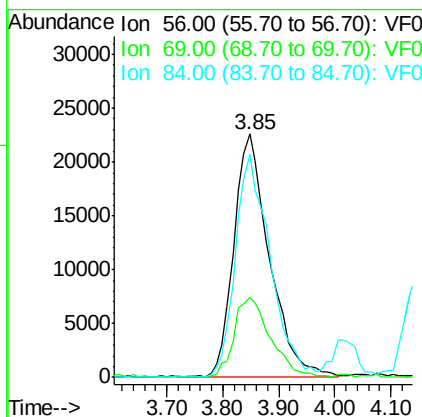
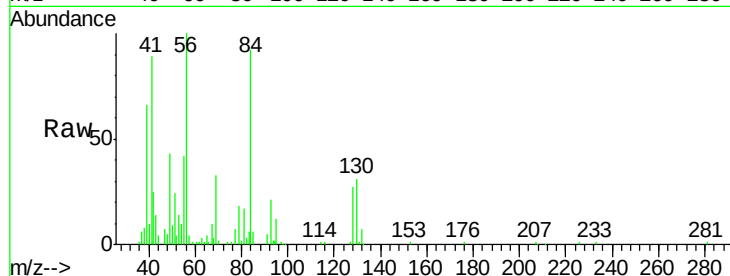
#31
Cyclohexane
Concen: 46.532 ug/l
RT: 3.85 min Scan# 336
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.0	39.0
84	91.9	73.5	110.3

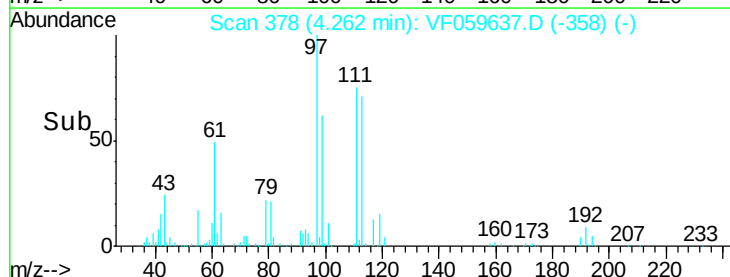
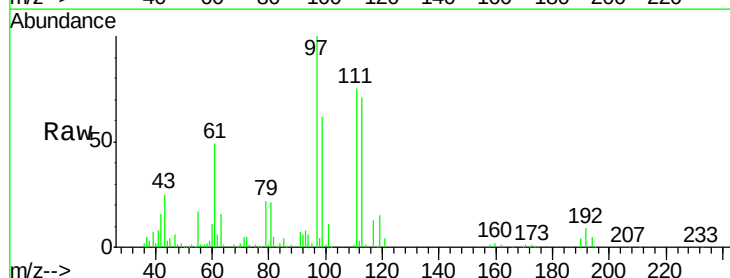
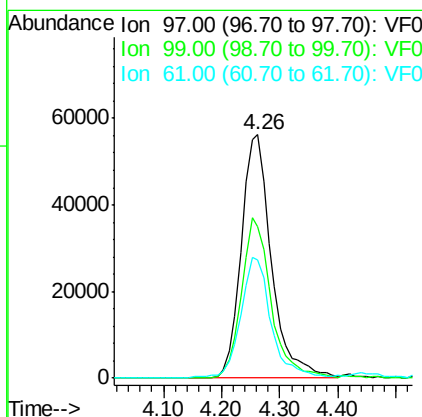
Manual Integrations
APPROVED

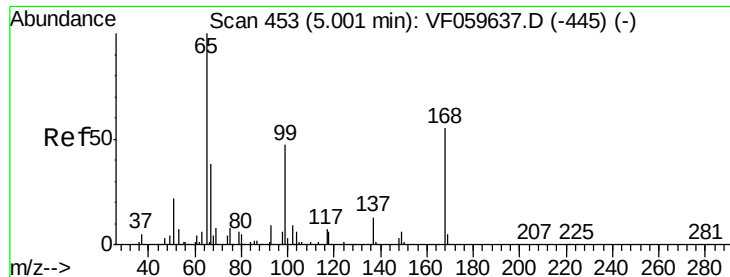
apatel
7/25/2018 2:23:05 PM



#32
1,1,1-Trichloroethane
Concen: 43.452 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	49.8	74.6
61	48.6	38.9	58.3





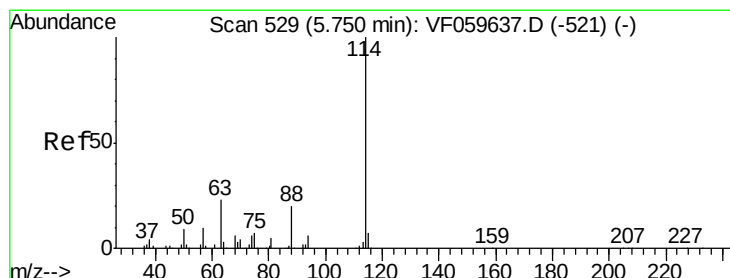
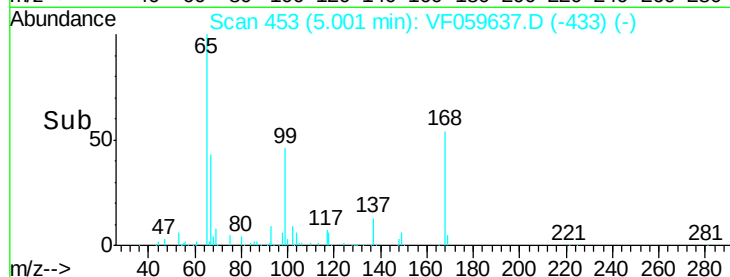
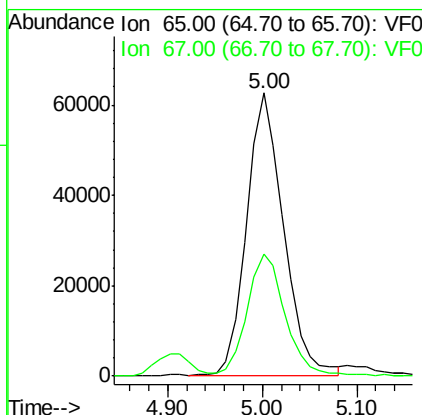
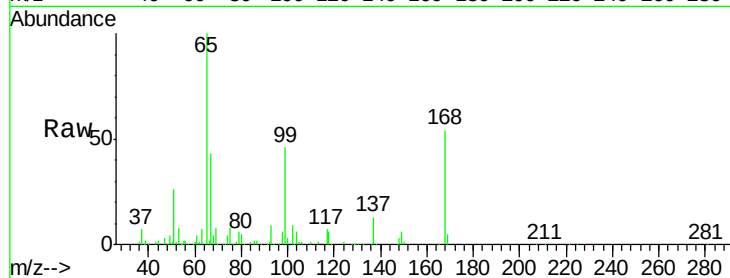
#33
 1,2-Dichloroethane-d4
 Concen: 47.574 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.3	0.0	86.6

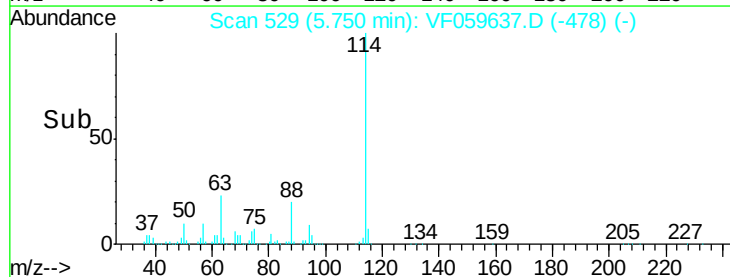
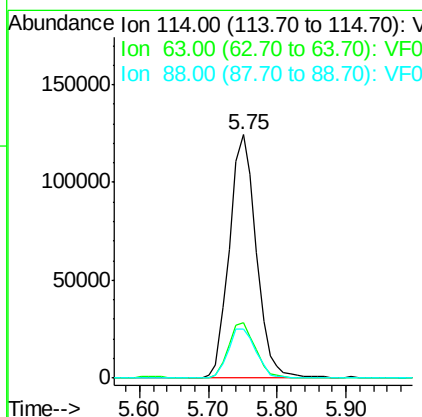
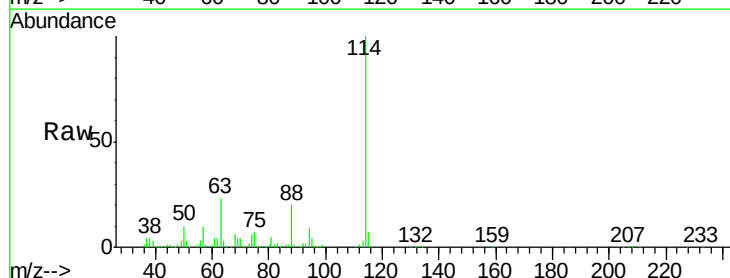
Manual Integrations
 APPROVED

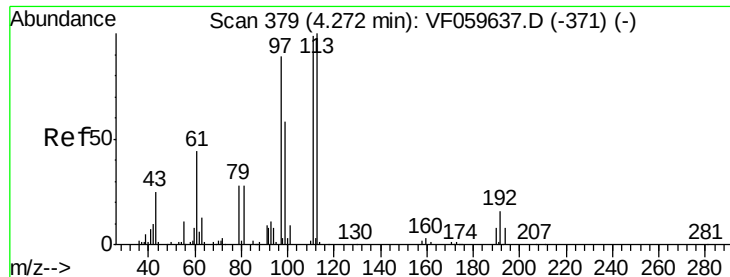
apatel
 7/25/2018 2:23:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	45.6
88	20.4	0.0	40.8





#35

Dibromofluoromethane

Concen: 50.239 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

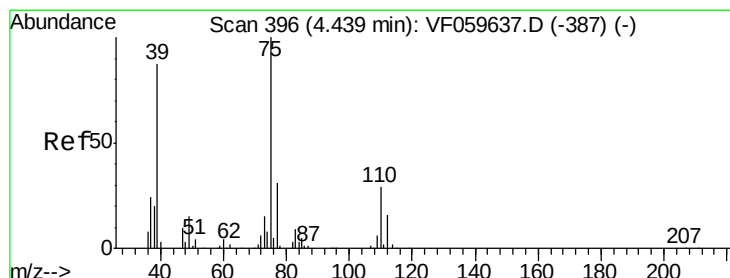
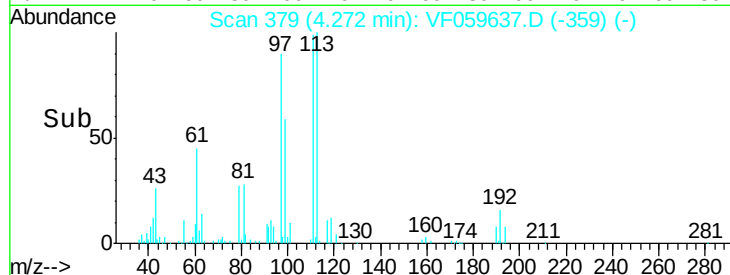
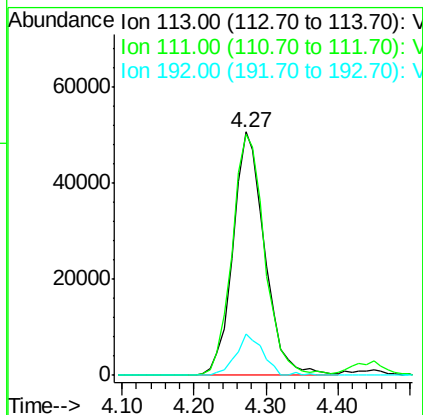
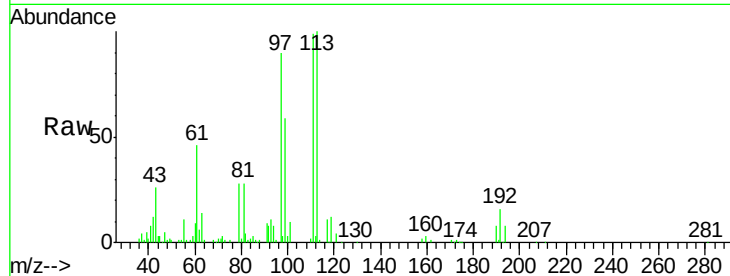
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	155161
Ion Ratio	Lower	Upper	
113	100		
111	99.1	79.3	118.9
192	16.8	13.4	20.2

Manual Integrations
APPROVED

apatel
7/25/2018 2:23:05 PM



#36

1,1-Dichloropropene

Concen: 45.869 ug/l

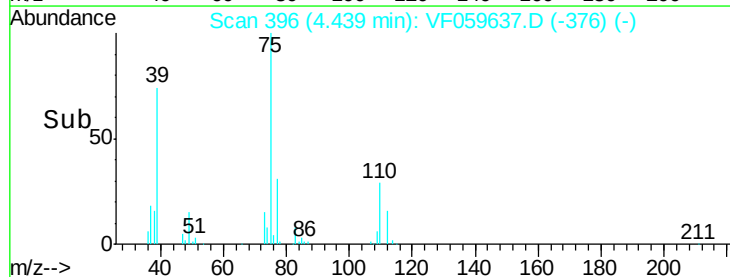
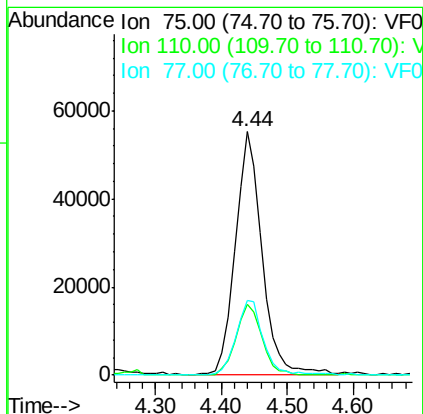
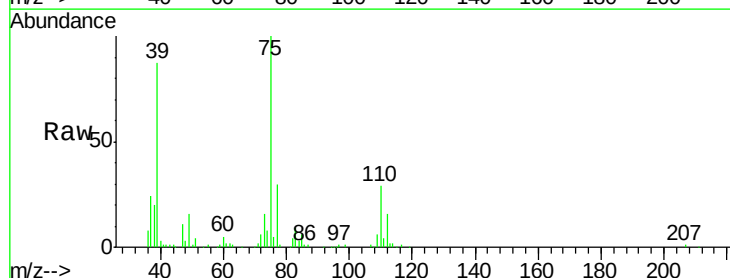
RT: 4.44 min Scan# 396

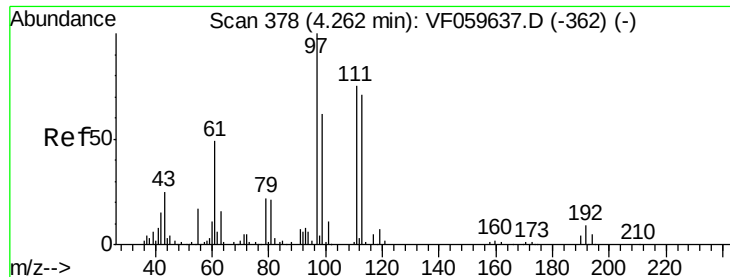
Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Tgt Ion:	75	Resp:	155706
Ion Ratio	Lower	Upper	
75	100		
110	29.2	14.6	43.8
77	30.5	24.4	36.6





#37

Ethyl Acetate

Concen: 43.144 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 57632

Ion Ratio Lower Upper

43 100

61 195.7 156.6 234.8

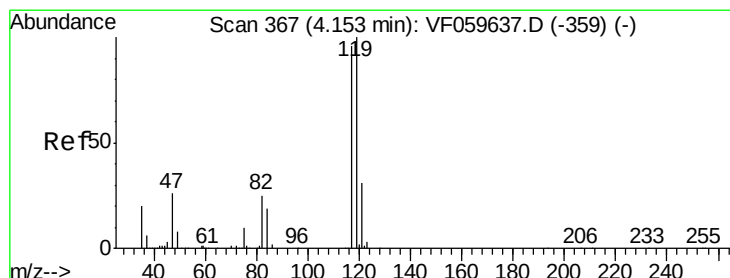
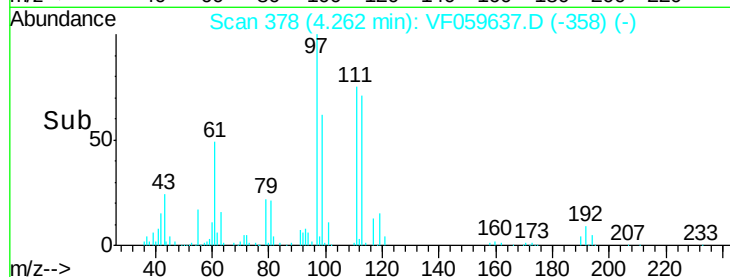
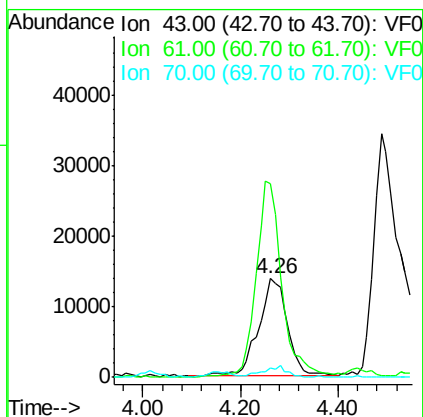
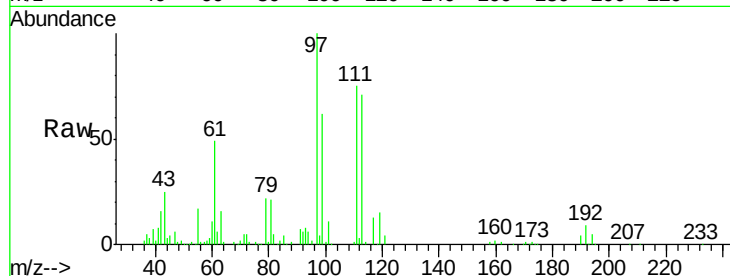
70 9.1 7.3 10.9

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



#38

Carbon Tetrachloride

Concen: 42.220 ug/l

RT: 4.15 min Scan# 367

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

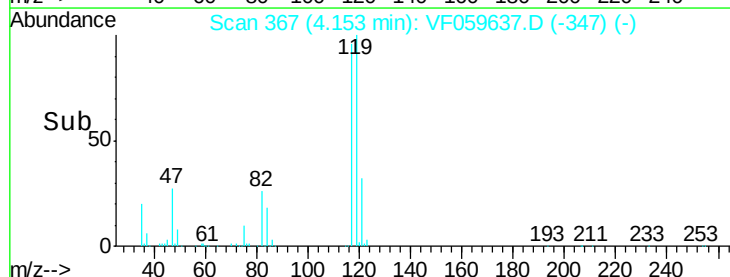
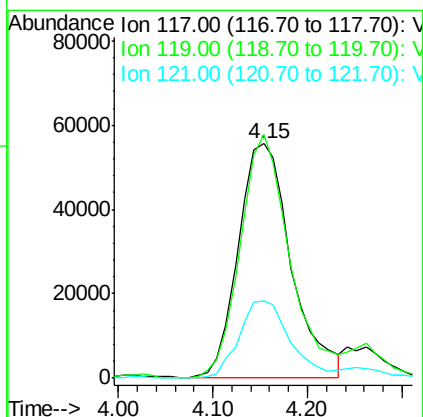
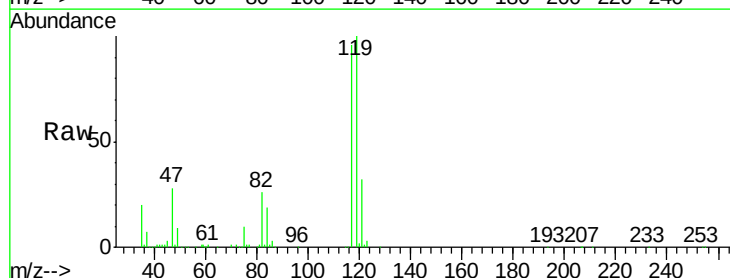
Tgt Ion: 117 Resp: 216936

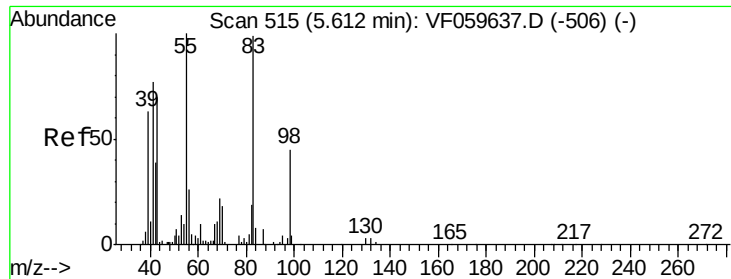
Ion Ratio Lower Upper

117 100

119 103.8 83.0 124.6

121 32.8 26.2 39.4





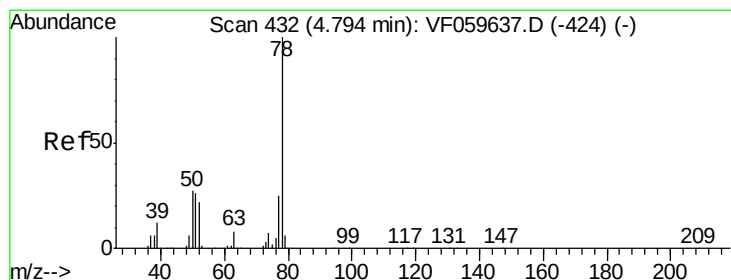
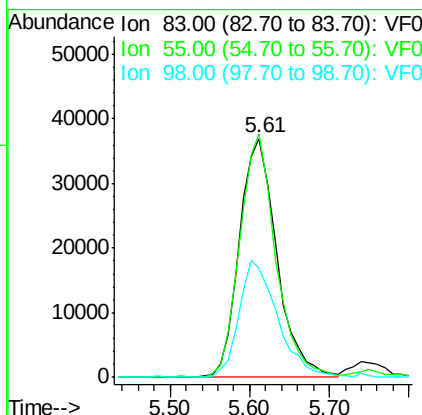
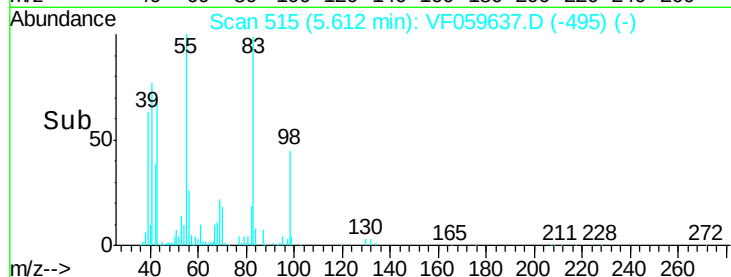
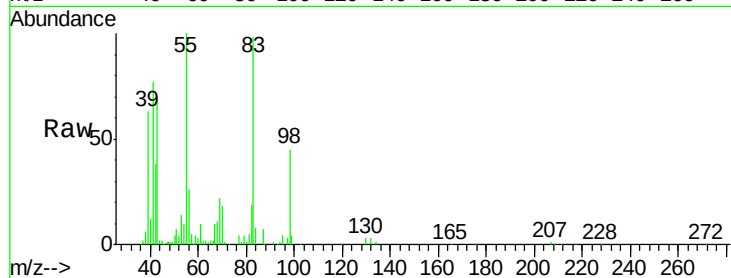
#39
Methylvlcyclohexane
Concen: 44.003 ug/l
RT: 5.61 min Scan# 515
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	101.9	81.5	122.3
98	45.9	36.7	55.1

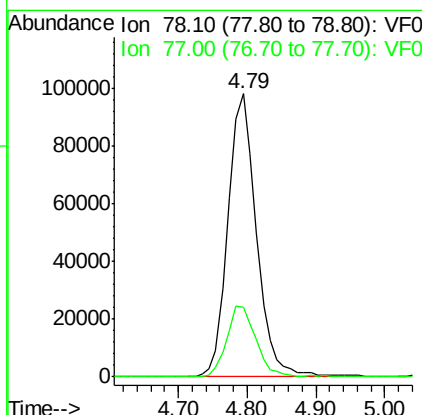
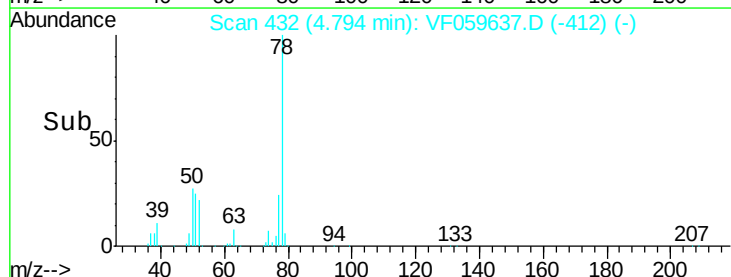
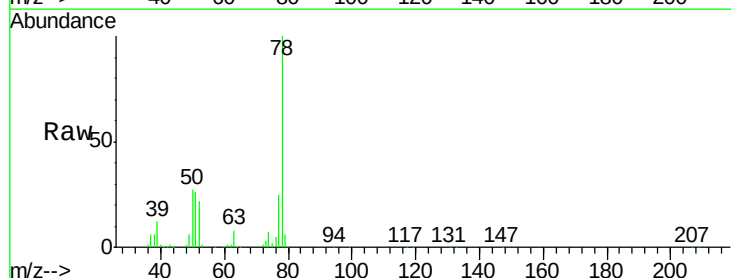
Manual Integrations
APPROVED

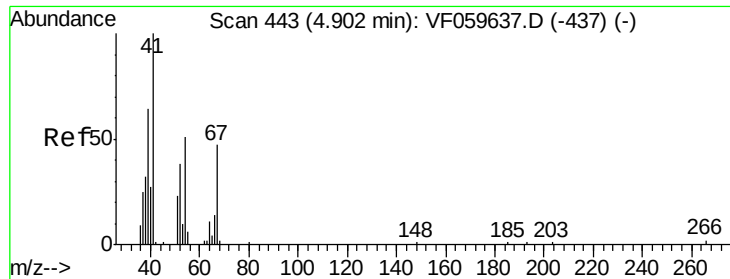
apatel
7/25/2018 2:23:05 PM



#40
Benzene
Concen: 45.461 ug/l
RT: 4.79 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.6





#41

Methacrylonitrile

Concen: 46.045 ug/l

RT: 4.90 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

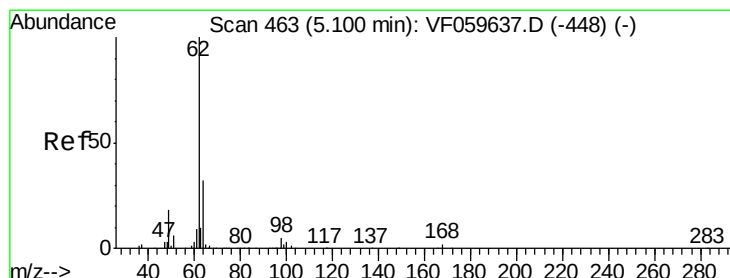
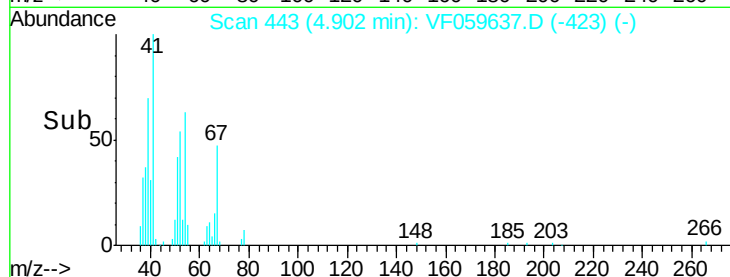
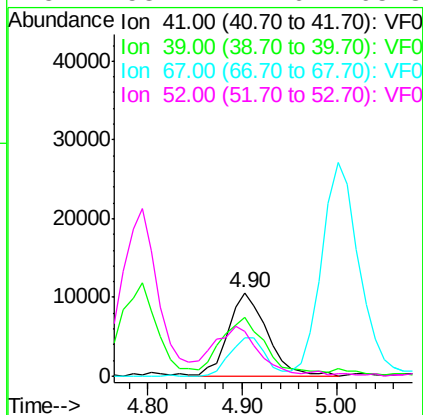
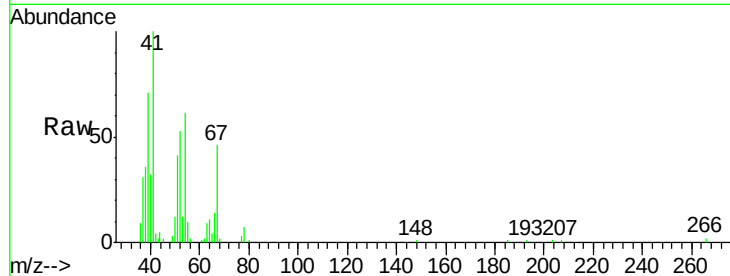
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
30381	41	100		
	39	71.1	56.9	85.3
	67	45.7	36.6	54.8
	52	53.2	42.6	63.8

Manual Integrations
APPROVED

apatel
7/25/2018 2:23:05 PM



#42

1,2-Dichloroethane

Concen: 42.047 ug/l

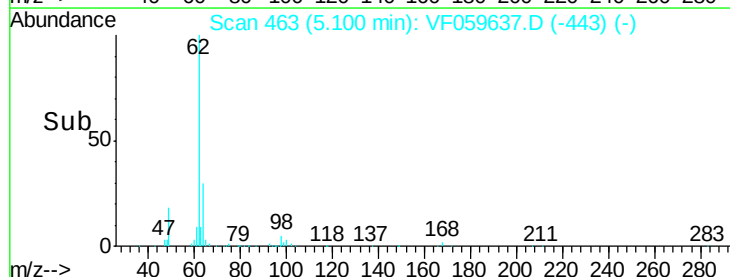
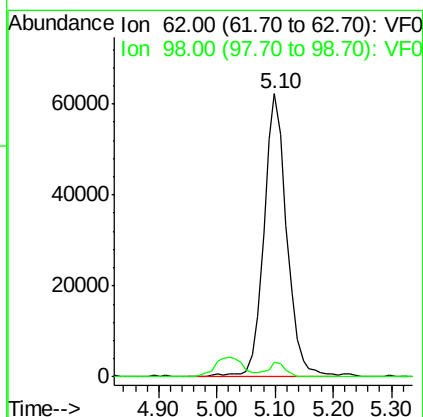
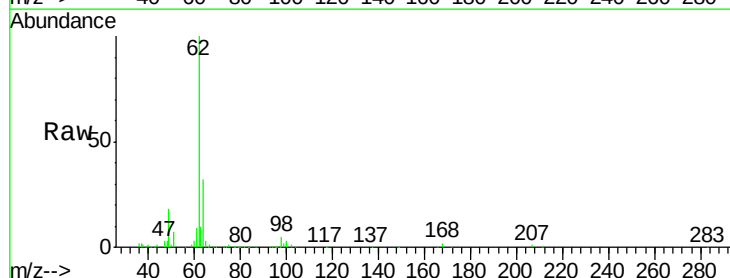
RT: 5.10 min Scan# 463

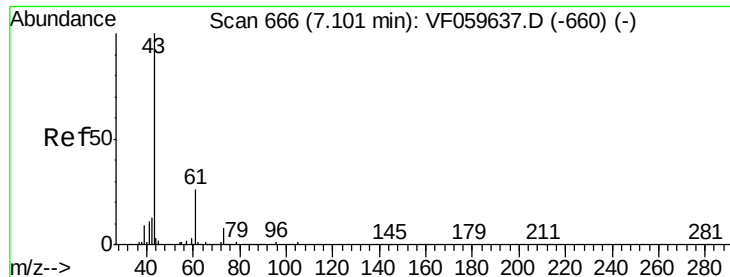
Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
172634	62	100		
	98	5.3	0.0	10.6





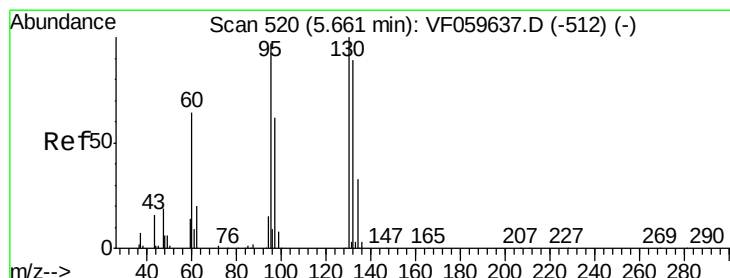
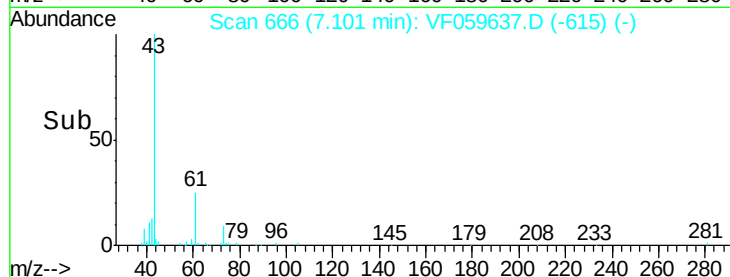
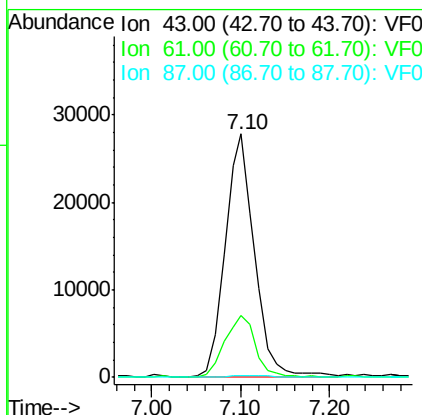
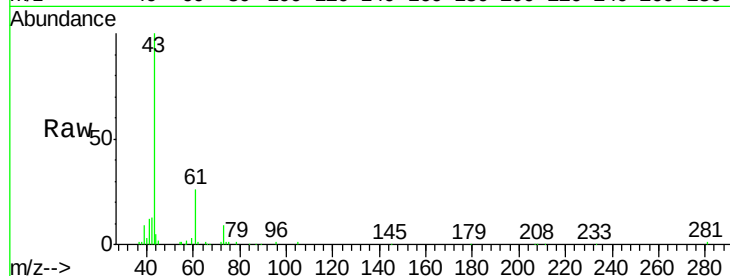
#43
Isopropyl Acetate
Concen: 38.663 ug/l
RT: 7.10 min Scan# 666
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.5	30.7
87	0.5	0.4	0.6

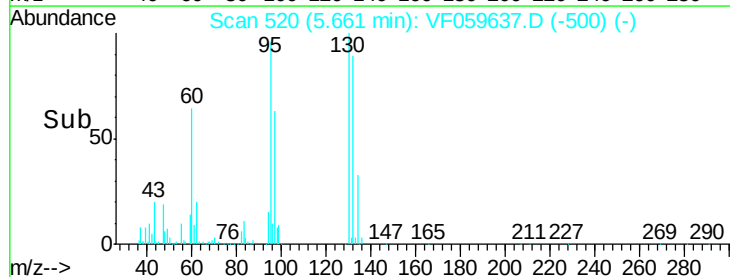
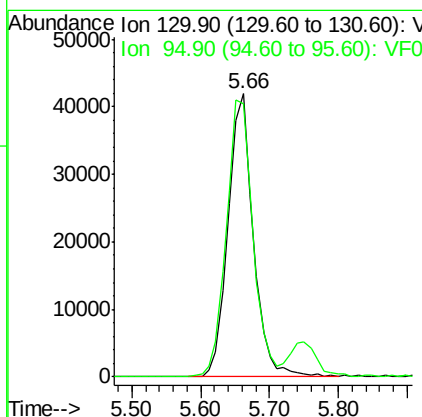
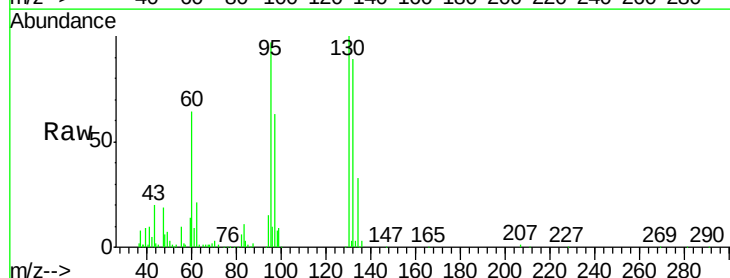
Manual Integrations
APPROVED

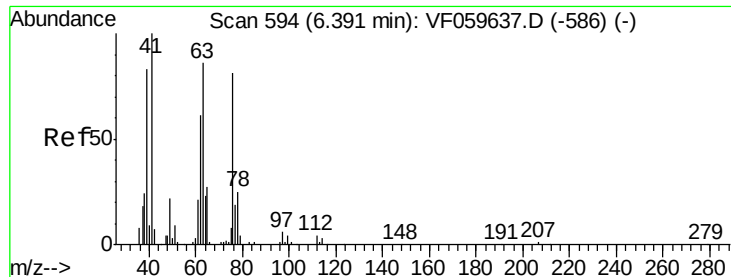
apatel
7/25/2018 2:23:05 PM



#44
Trichloroethene
Concen: 44.990 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	193.4





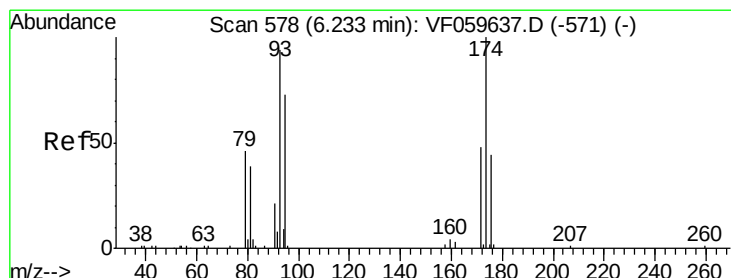
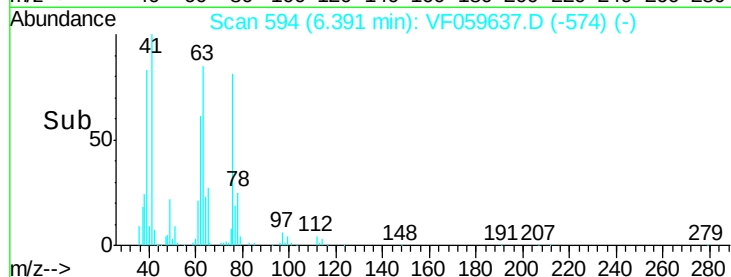
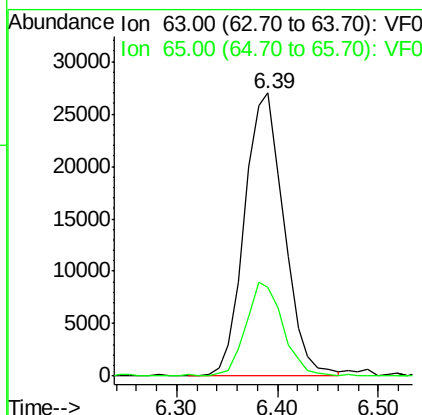
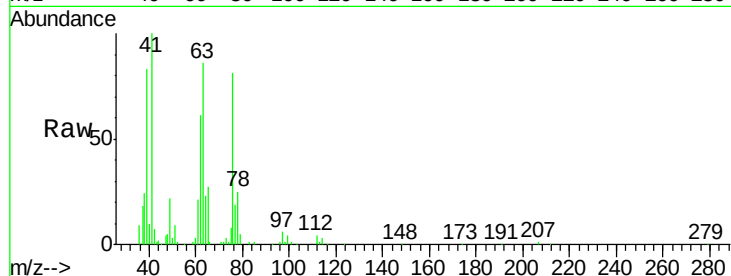
#45
 1,2-Dichloropropane
 Concen: 44.409 ug/l
 RT: 6.39 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	63	Resp	73690
Ion Ratio	Lower	Upper	
63	100		
65	31.4	25.1	37.7

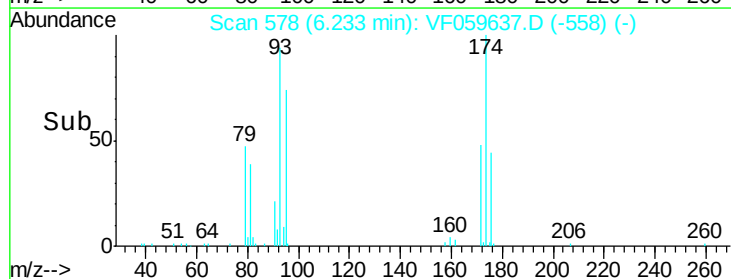
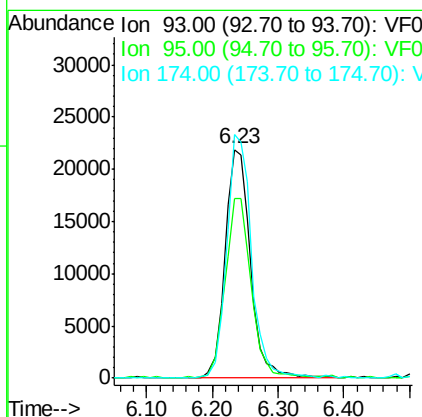
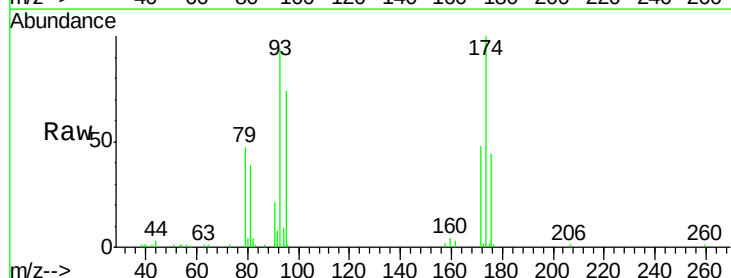
Manual Integrations
 APPROVED

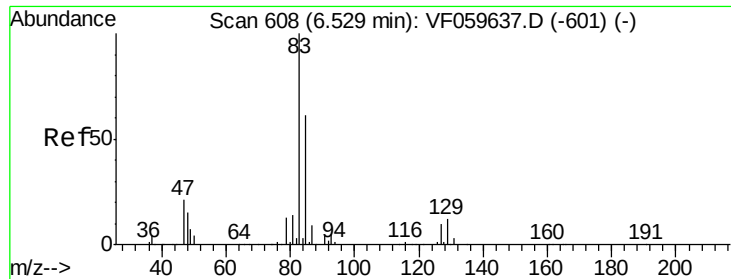
apatel
 7/25/2018 2:23:05 PM



#46
 Dibromomethane
 Concen: 43.827 ug/l
 RT: 6.23 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Tgt Ion	93	Resp	59119
Ion Ratio	Lower	Upper	
93	100		
95	78.9	63.1	94.7
174	106.6	85.3	127.9





#47

Bromodichloromethane

Concen: 44.590 ug/l

RT: 6.53 min Scan# 608

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

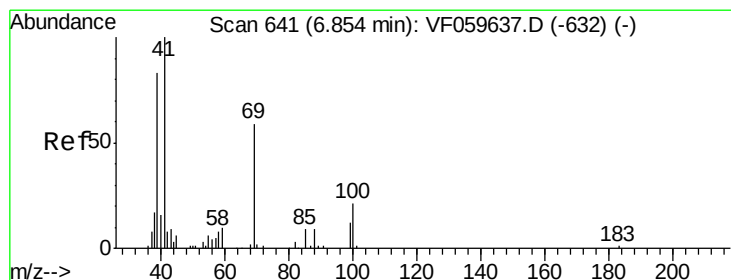
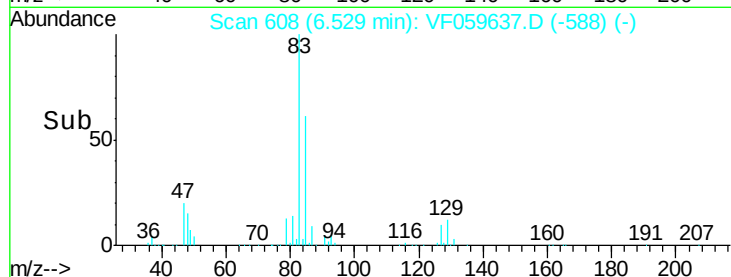
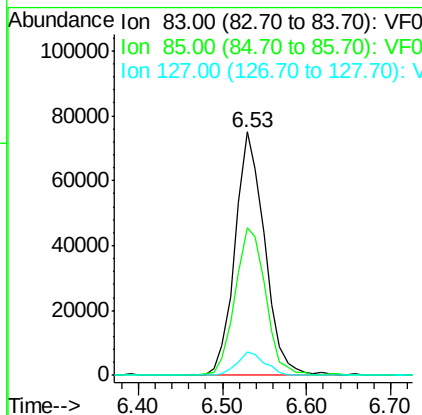
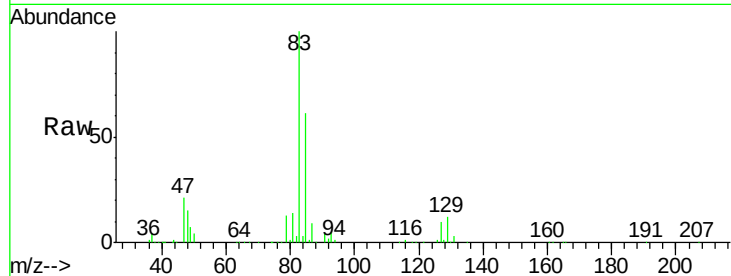
VSTDICCC050

Tot Ion:	83	Resp:	184190
Ion	Ratio	Lower	Upper
83	100		
85	60.7	48.6	72.8
127	9.6	7.7	11.5

Manual Integrations
APPROVED

apatel

7/25/2018 2:23:05 PM



#48

Methyl methacrylate

Concen: 40.654 ug/l

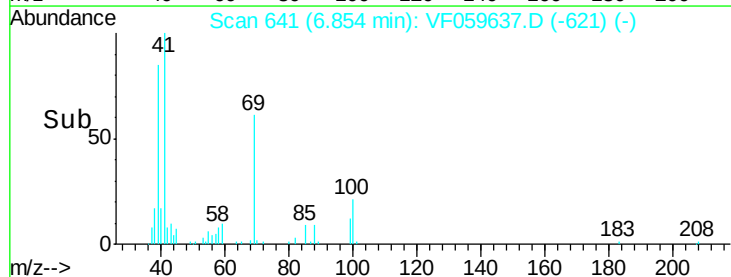
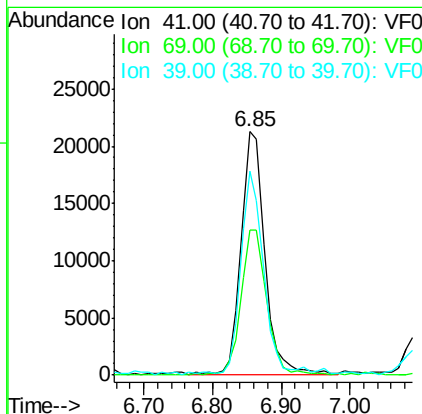
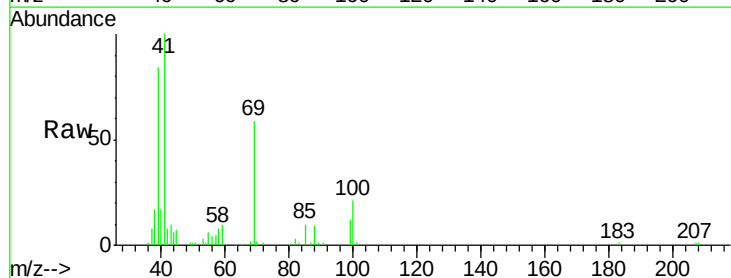
RT: 6.85 min Scan# 641

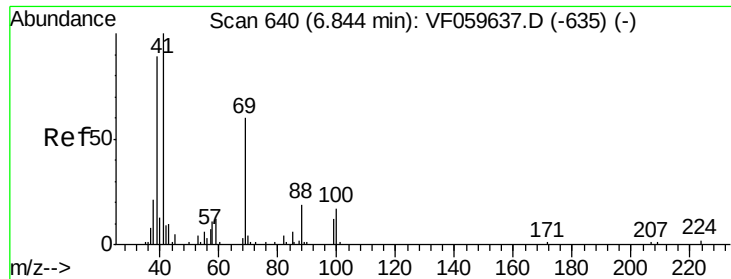
Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Tgt Ion:	41	Resp:	51490
Ion	Ratio	Lower	Upper
41	100		
69	59.4	47.5	71.3
39	83.8	67.0	100.6





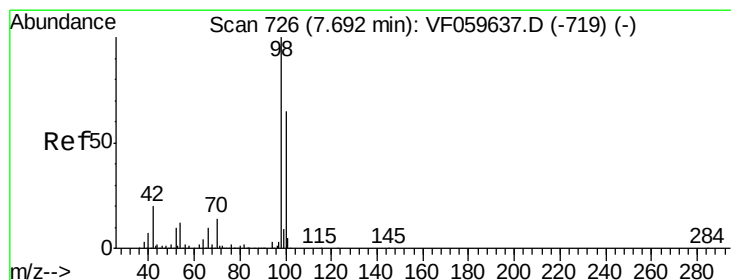
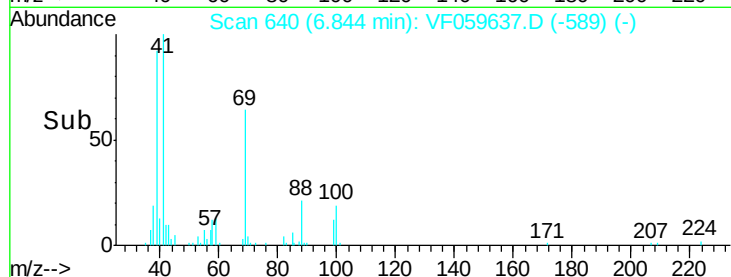
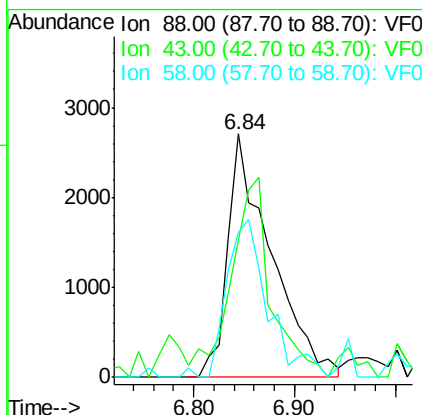
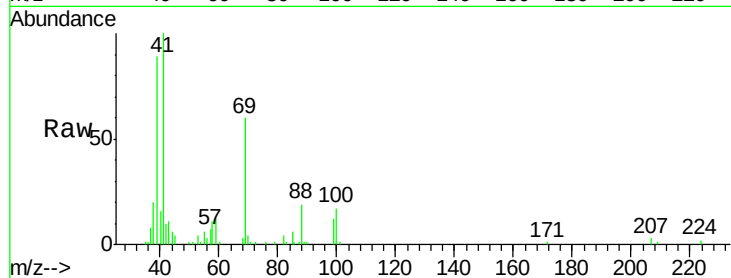
#49
1,4-Dioxane
Concen: 909.899 ug/l
RT: 6.84 min Scan# 640
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	56.6	45.3	67.9
58	59.6	47.7	71.5

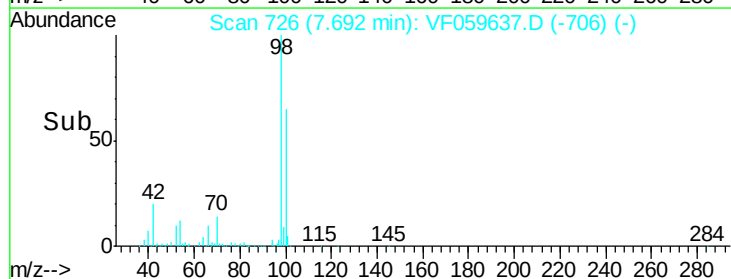
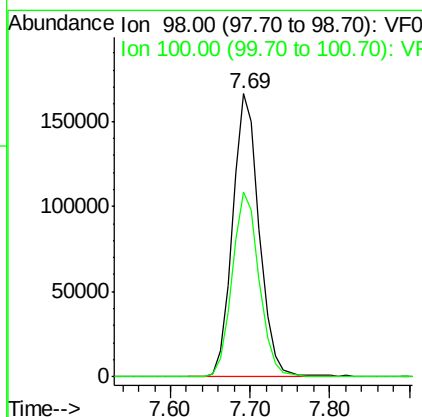
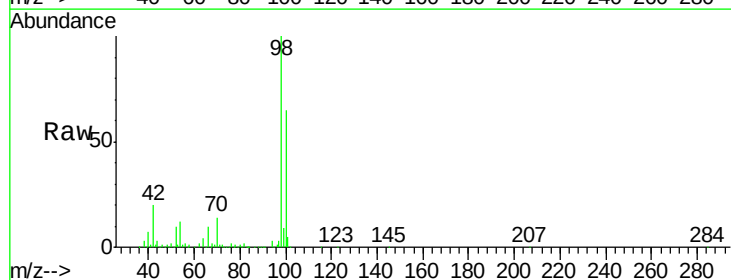
Manual Integrations
APPROVED

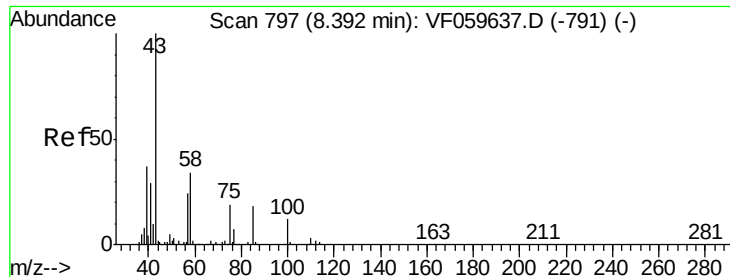
apatel
7/25/2018 2:23:05 PM



#50
Toluene-d8
Concen: 49.926 ug/l
RT: 7.69 min Scan# 726
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 208.249 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 259151

Ion Ratio Lower Upper

43 100

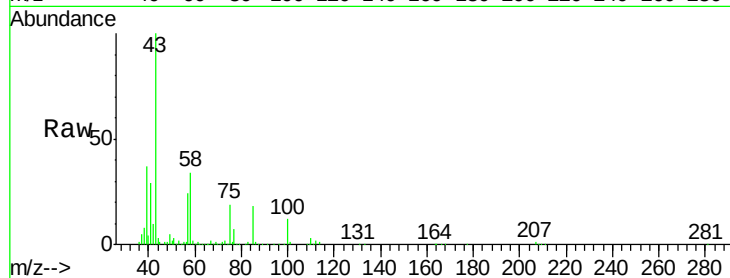
58 34.1 27.3 40.9

Manual Integrations

APPROVED

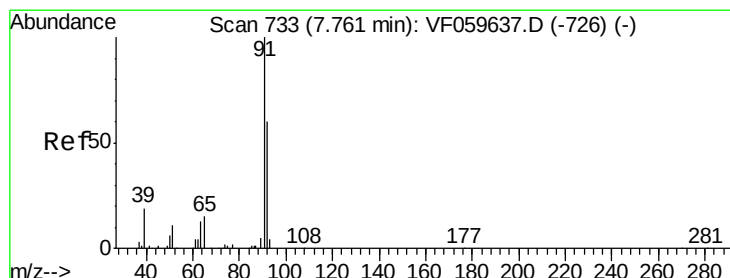
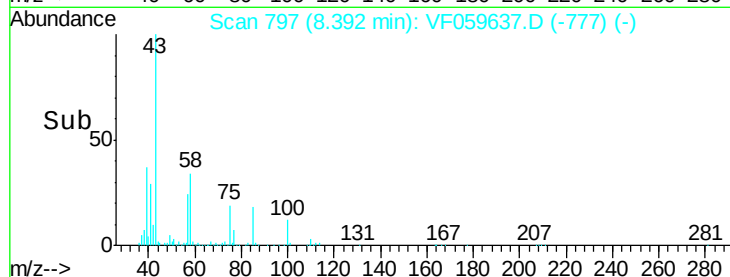
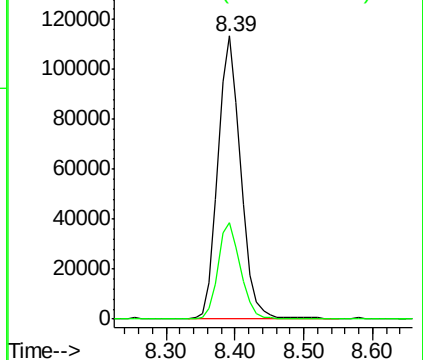
apatel

7/25/2018 2:23:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 43.242 ug/l

RT: 7.76 min Scan# 733

Delta R.T. 0.00 min

Lab File: VF059637.D

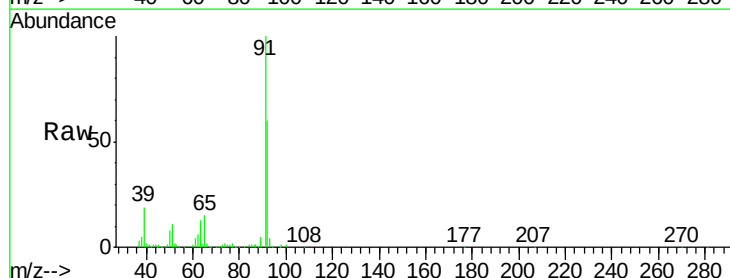
Acq: 24 Jul 2018 17:30

Tgt Ion: 92 Resp: 202957

Ion Ratio Lower Upper

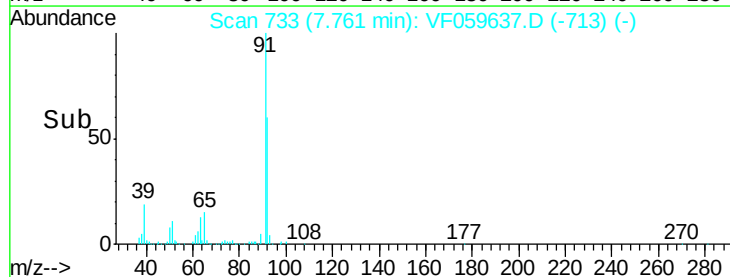
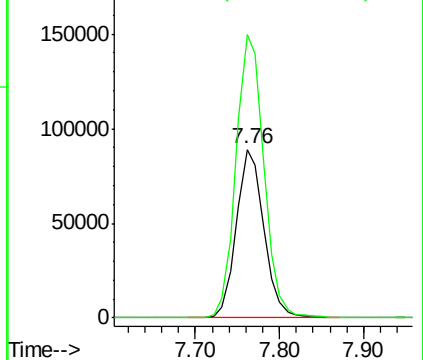
92 100

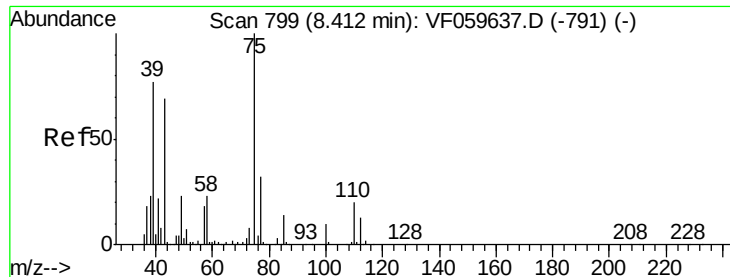
91 167.8 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





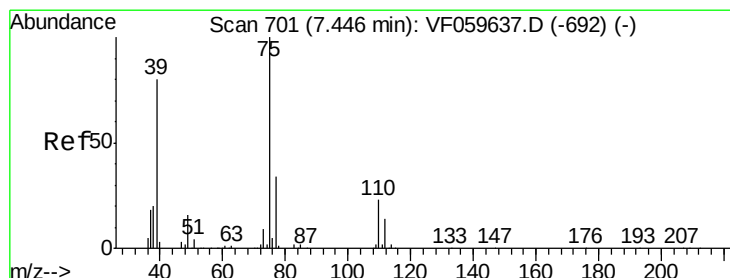
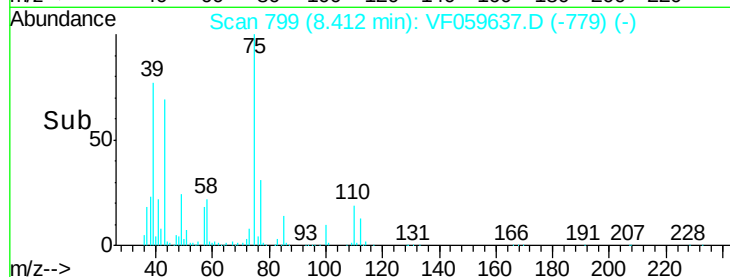
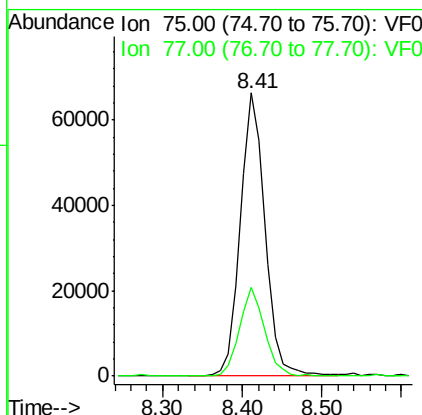
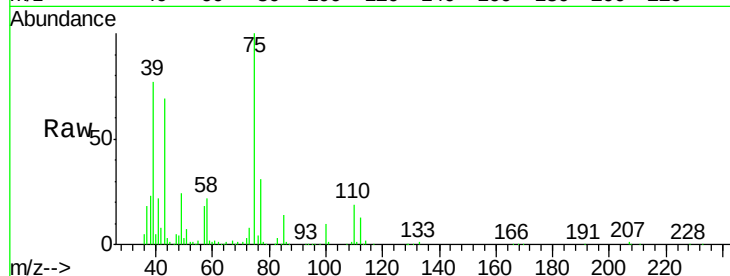
#53
t-1,3-Dichloropropene
Concen: 40.757 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 140910
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

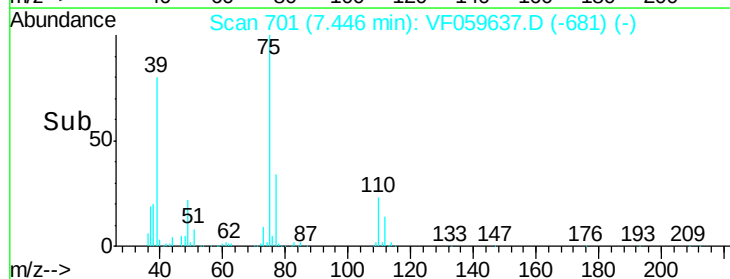
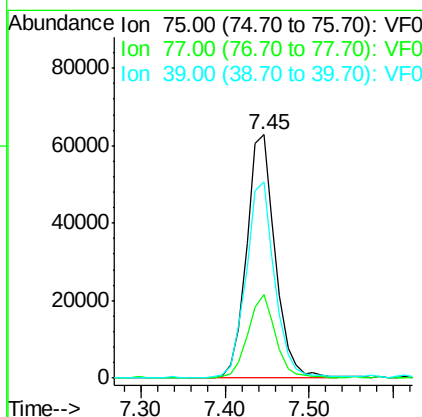
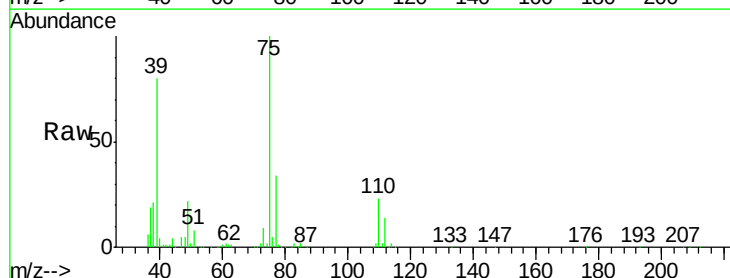
Manual Integrations
APPROVED

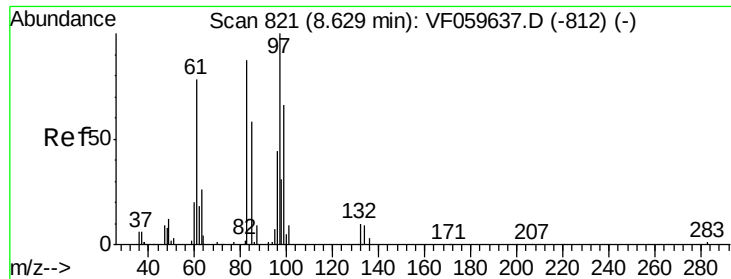
apatel
7/25/2018 2:23:05 PM



#54
cis-1,3-Dichloropropene
Concen: 43.341 ug/l
RT: 7.45 min Scan# 701
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion: 75 Resp: 149272
Ion Ratio Lower Upper
75 100
77 34.4 27.5 41.3
39 80.5 64.4 96.6





#55

1,1,2-Trichloroethane

Concen: 39.662 ug/l

RT: 8.63 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

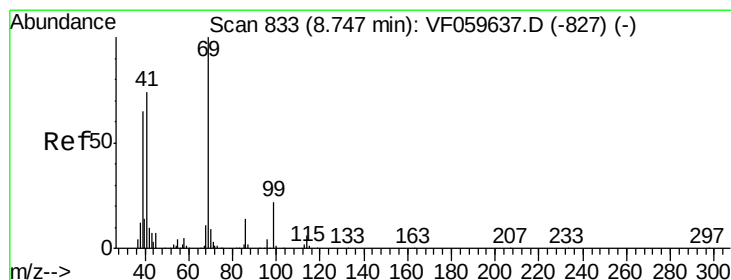
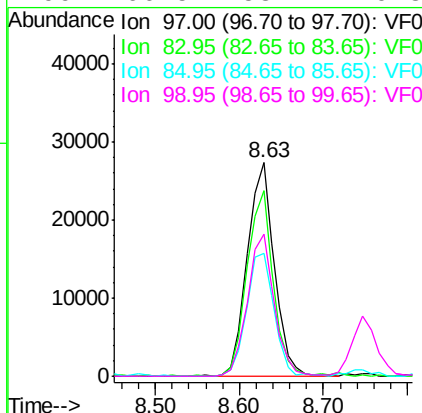
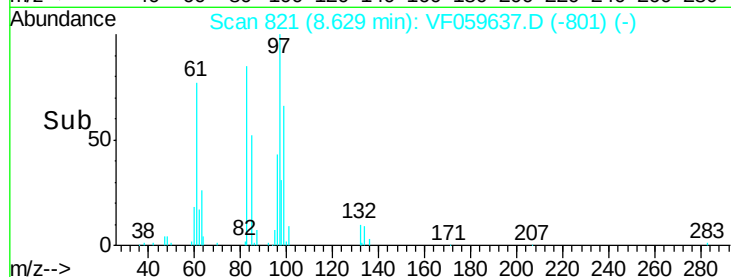
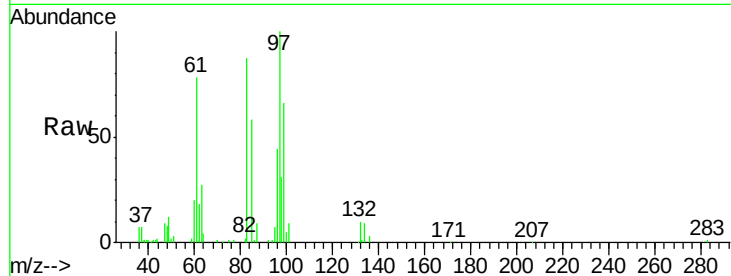
VSTDICCC050

Tot Ion:	97	Resp:	61752
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	57.5	46.0	69.0
99	66.5	53.2	79.8

Manual Integrations
APPROVED

apatel

7/25/2018 2:23:05 PM



#56

Ethyl methacrylate

Concen: 39.280 ug/l

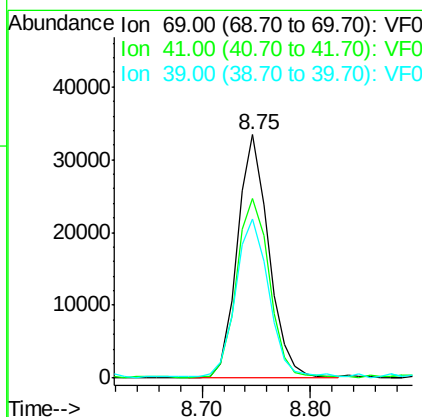
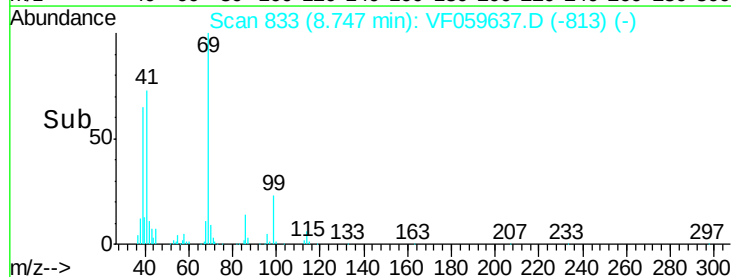
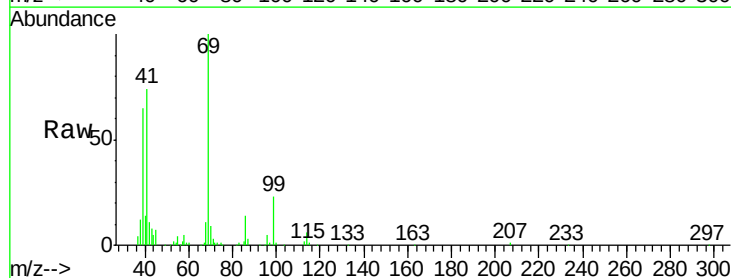
RT: 8.75 min Scan# 833

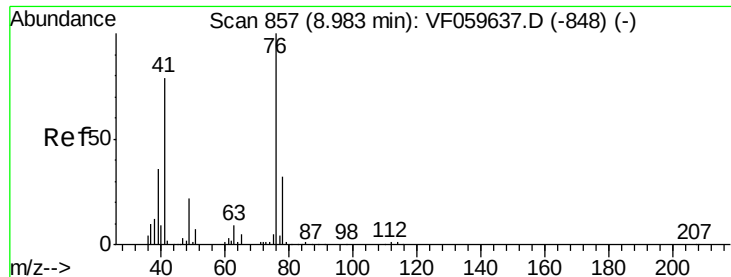
Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Tgt Ion:	69	Resp:	67796
Ion	Ratio	Lower	Upper
69	100		
41	73.9	59.1	88.7
39	65.5	52.4	78.6





#57

1,3-Dichloropropane

Concen: 39.219 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 106704

Ion Ratio Lower Upper

76 100

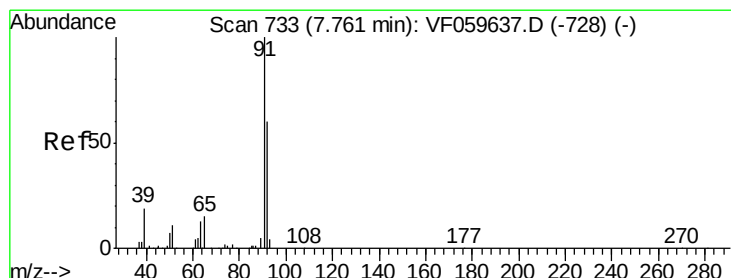
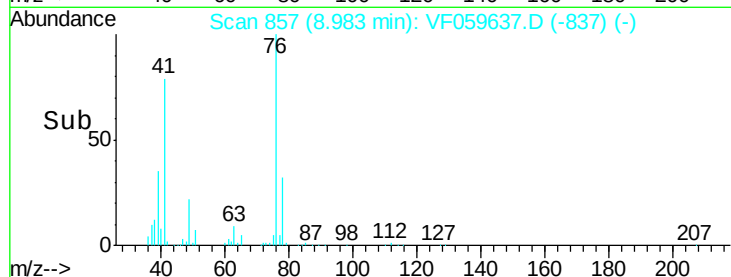
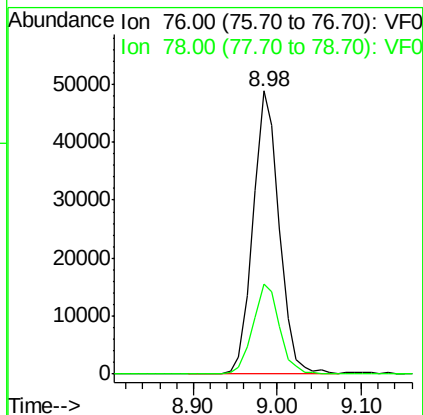
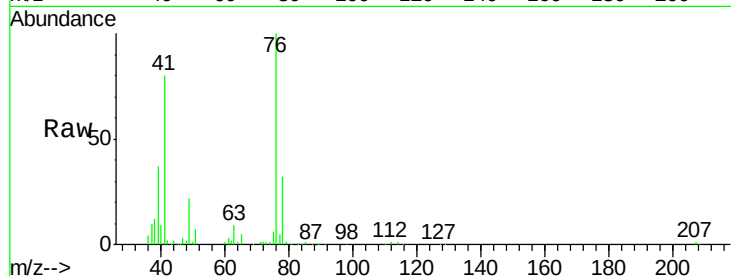
78 31.9 25.5 38.3

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



#58

2-Chloroethyl Vinyl ether

Concen: 212.991 ug/l

RT: 7.76 min Scan# 733

Delta R.T. 0.00 min

Lab File: VF059637.D

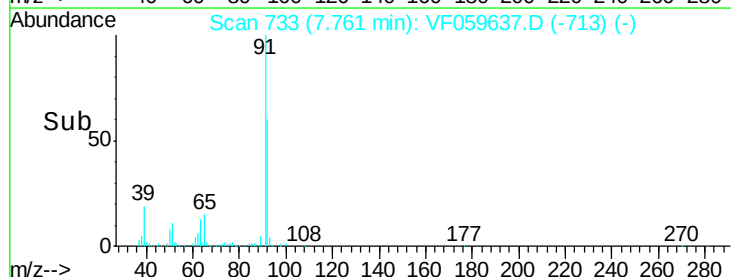
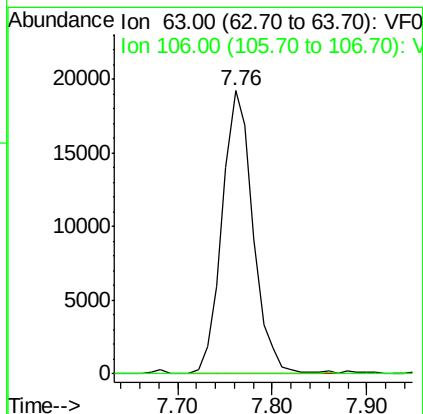
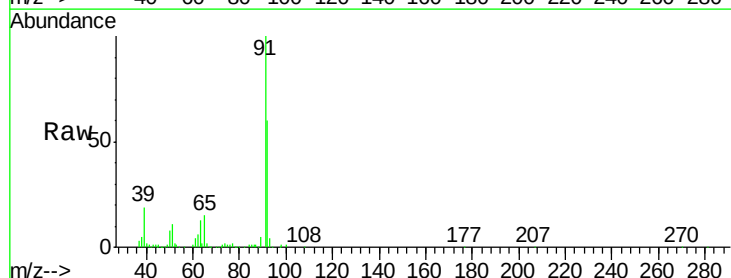
Acq: 24 Jul 2018 17:30

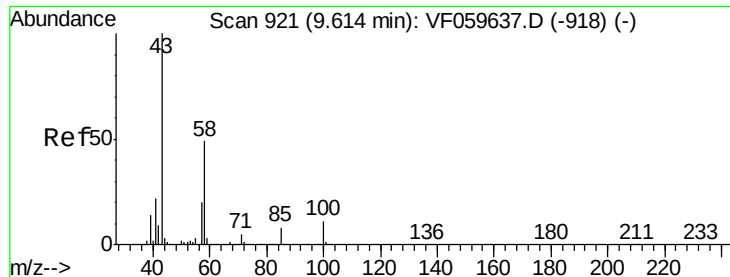
Tgt Ion: 63 Resp: 43635

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





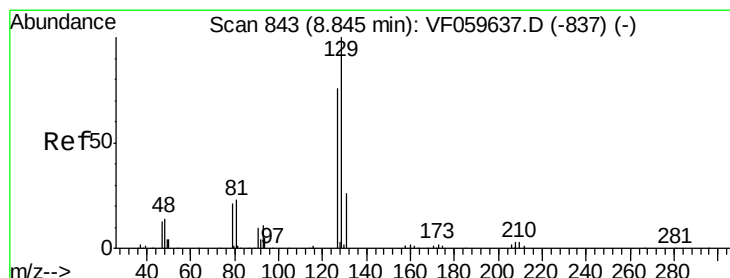
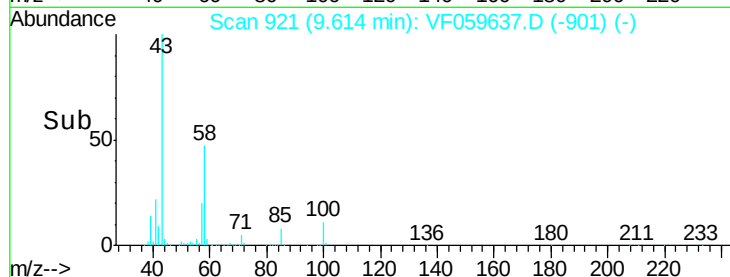
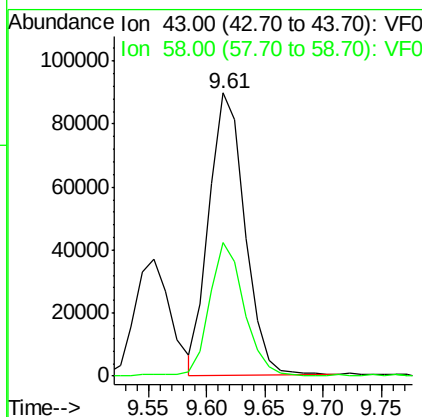
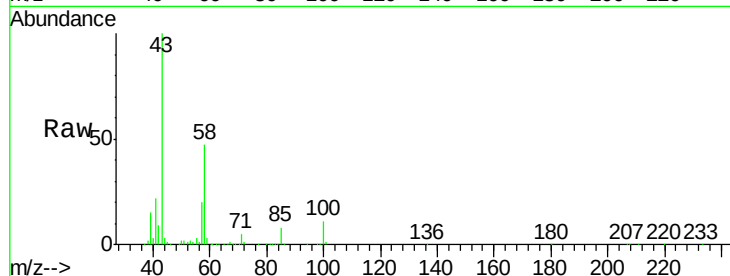
#59
2-Hexanone
Concen: 193.650 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.3	23.6	71.0

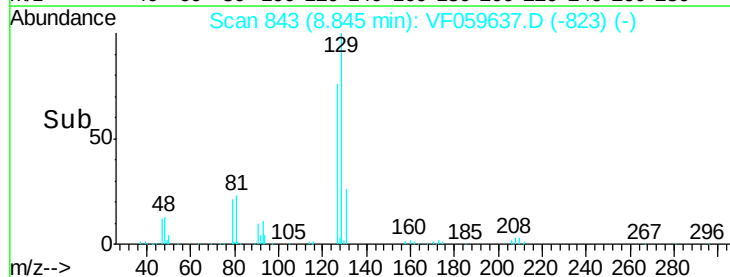
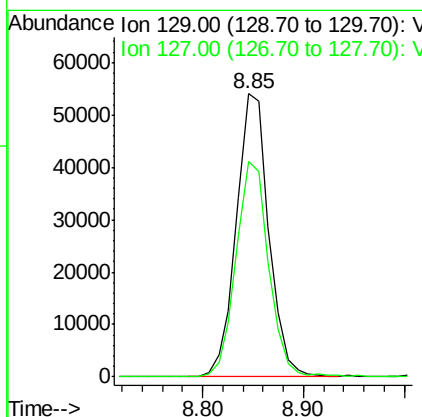
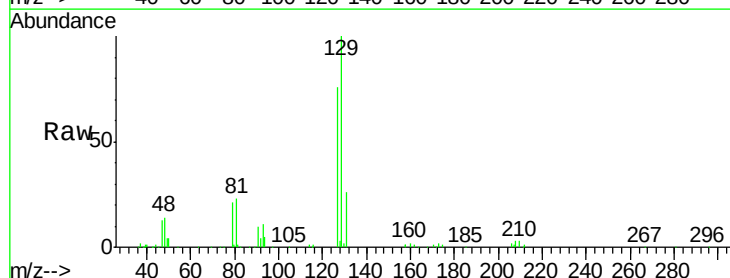
Manual Integrations
APPROVED

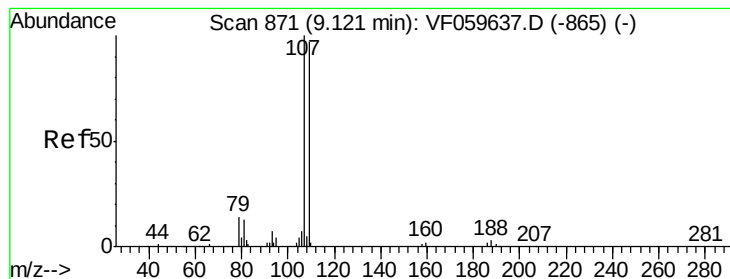
apatel
7/25/2018 2:23:05 PM



#60
Dibromochloromethane
Concen: 43.497 ug/l
RT: 8.85 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.1	114.5





#61

1,2-Dibromoethane

Concen: 43.020 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 77091

Ion Ratio Lower Upper

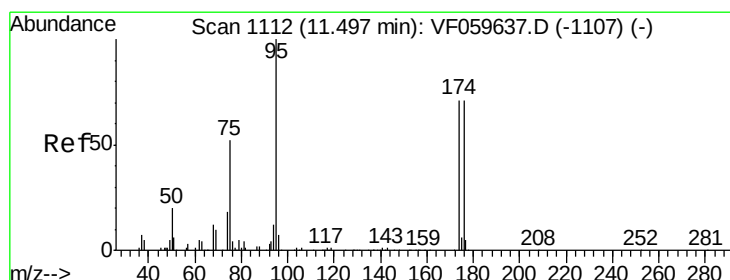
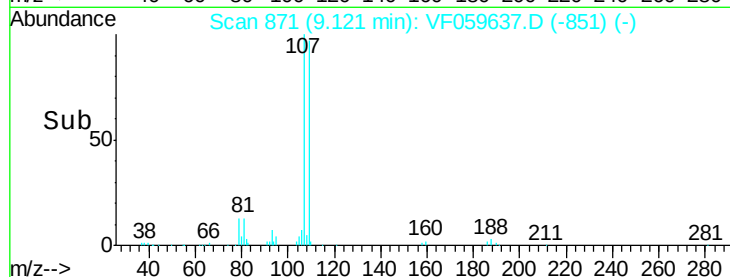
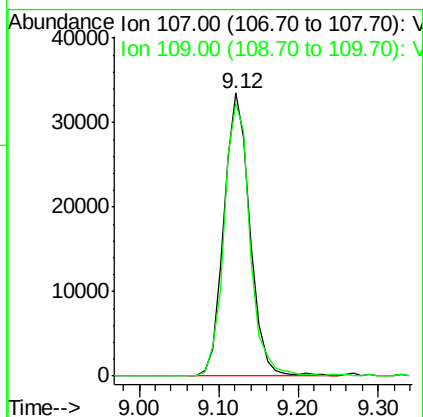
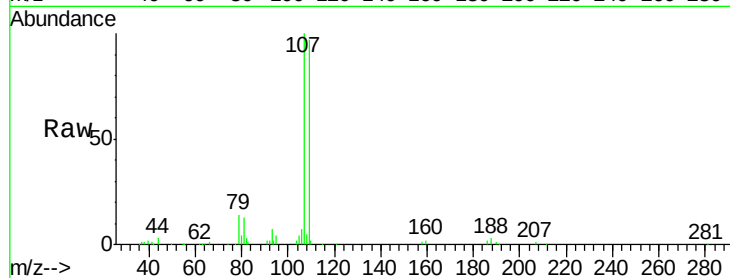
107 100

109 96.6 77.3 115.9

Manual Integrations
APPROVED

apatel

7/25/2018 2:23:05 PM



#62

4-Bromofluorobenzene

Concen: 45.360 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

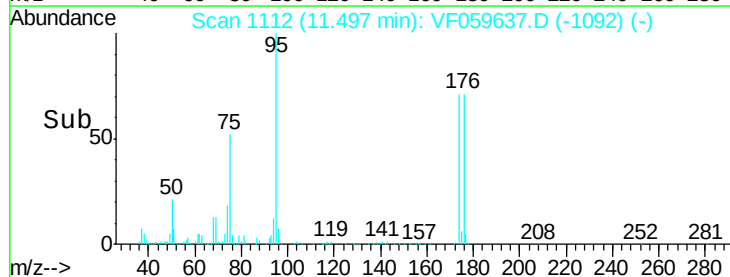
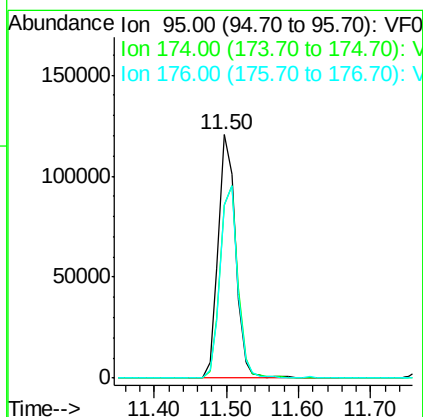
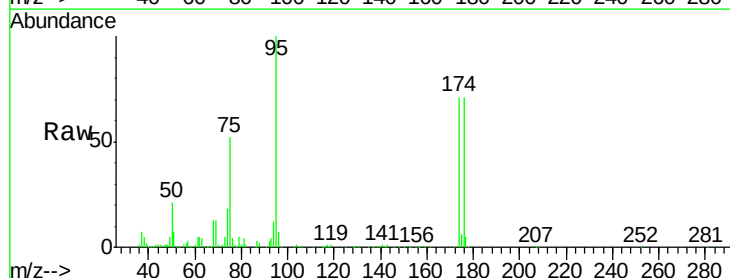
Tgt Ion: 95 Resp: 199834

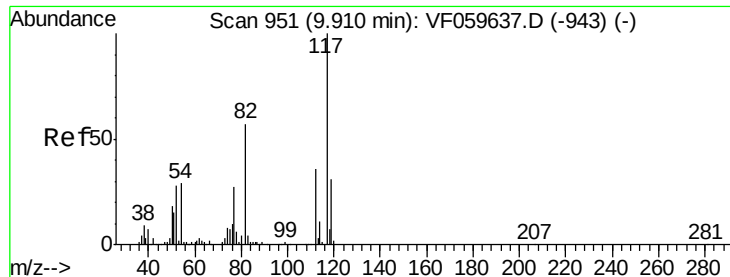
Ion Ratio Lower Upper

95 100

174 70.9 0.0 141.8

176 71.0 0.0 142.0





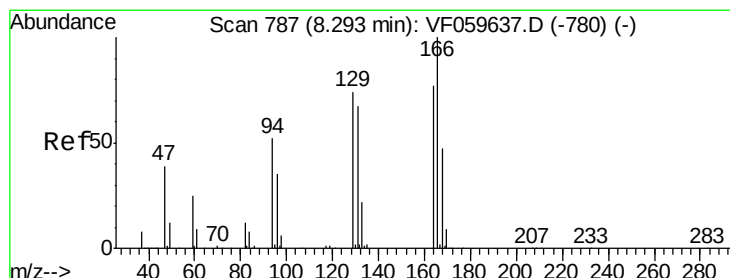
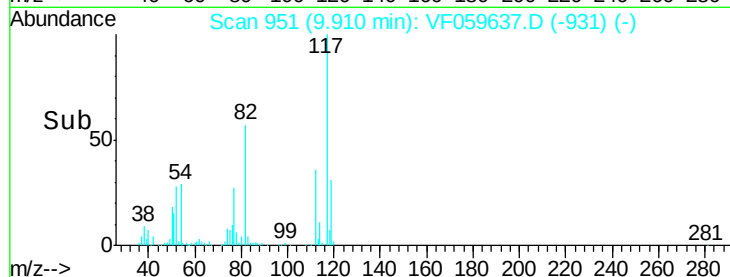
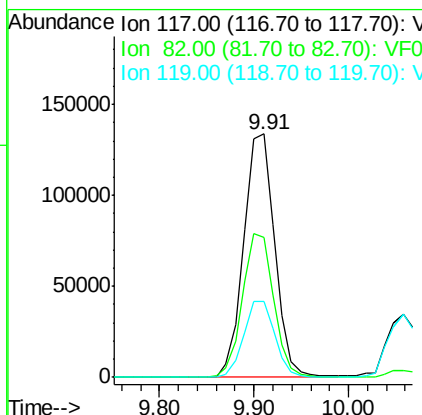
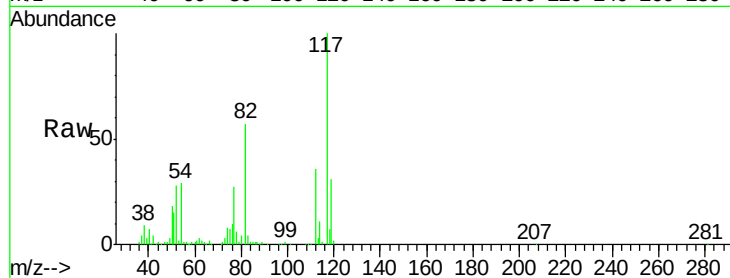
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306091		
82	57.4		45.9	68.9
119	31.4		25.1	37.7

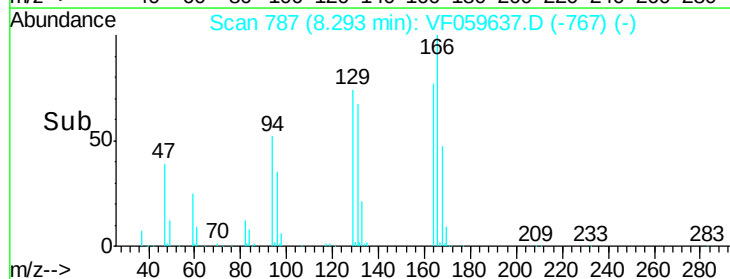
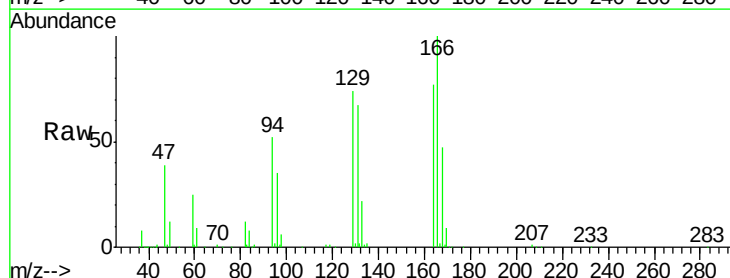
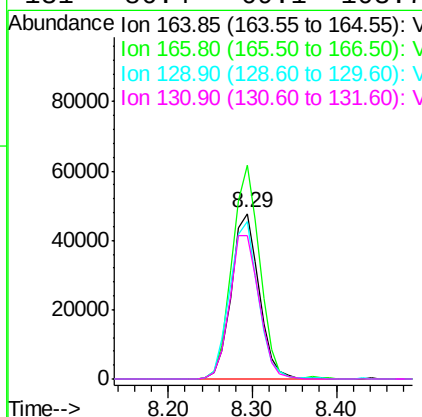
Manual Integrations
APPROVED

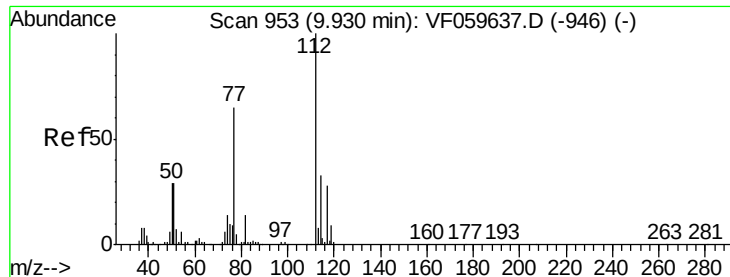
apatel
7/25/2018 2:23:05 PM



#64
Tetrachloroethene
Concen: 47.804 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109559		
166	129.1		103.3	154.9
129	95.2		76.2	114.2
131	86.4		69.1	103.7





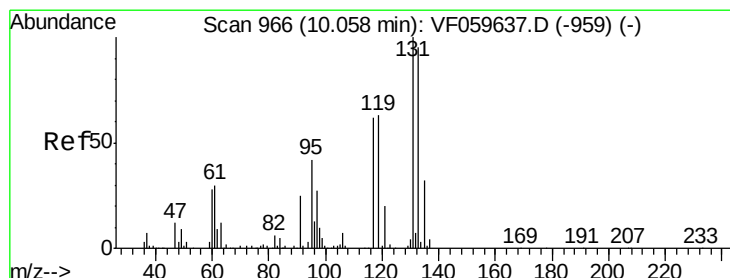
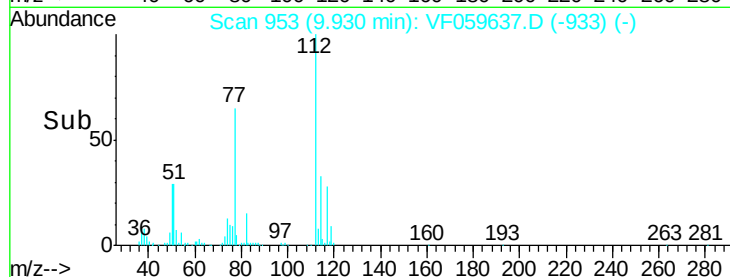
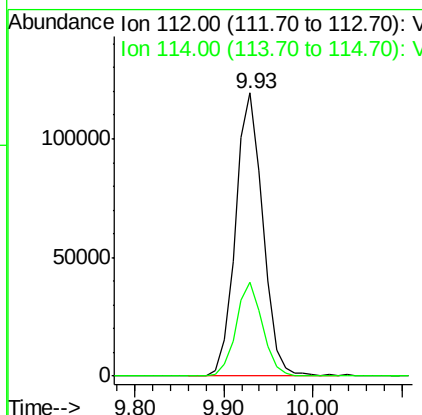
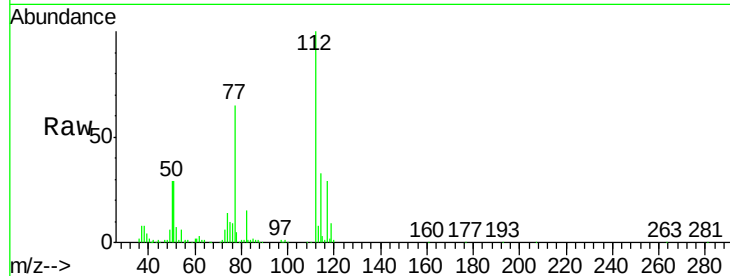
#65
Chlorobenzene
Concen: 45.700 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.4	39.6

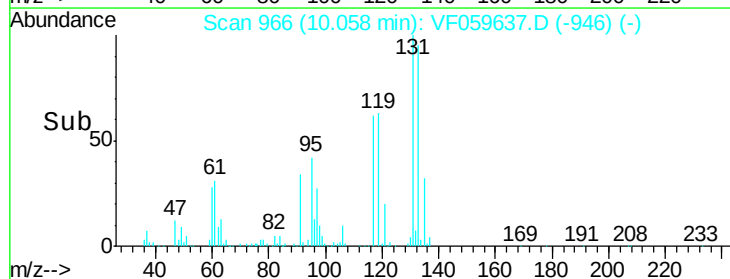
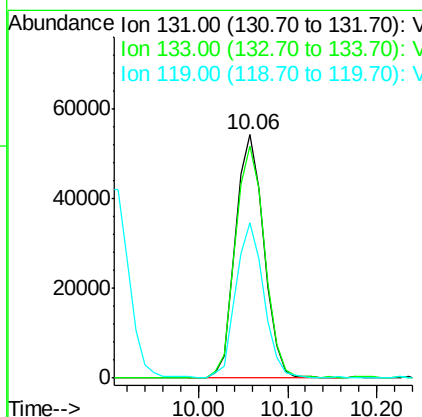
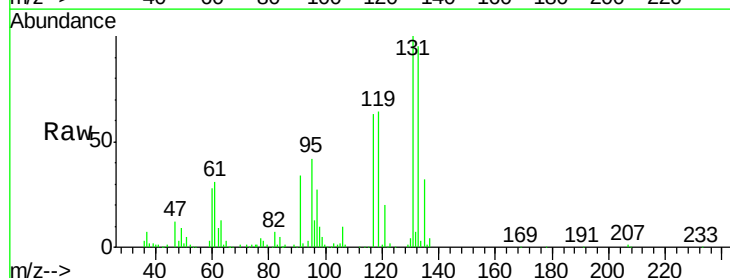
Manual Integrations
APPROVED

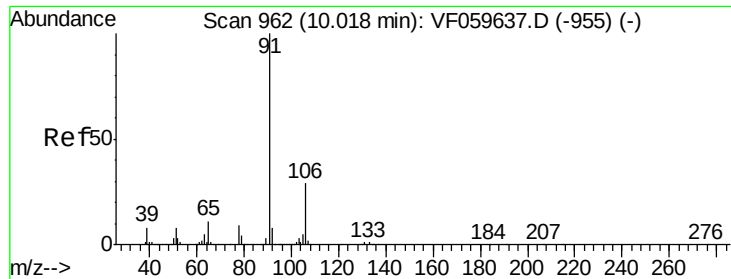
apatel
7/25/2018 2:23:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.726 ug/l
RT: 10.06 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.5	142.6
119	63.6	31.8	95.4





#67

Ethyl Benzene

Concen: 42.109 ug/l

RT: 10.02 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 425590

Ion Ratio Lower Upper

91 100

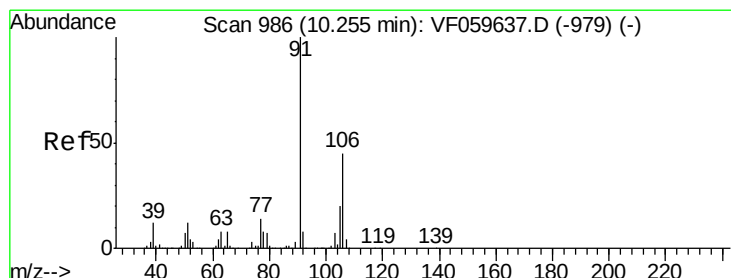
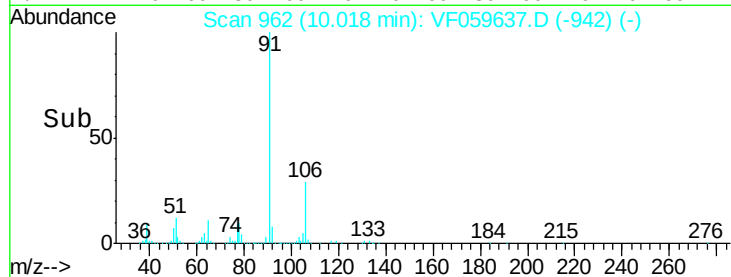
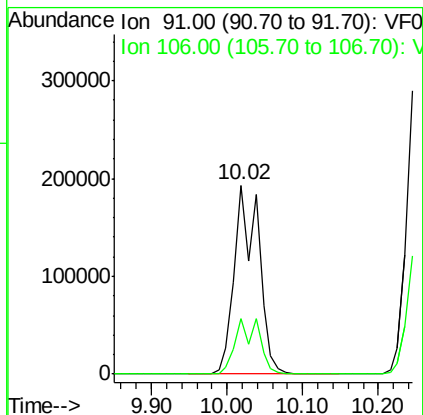
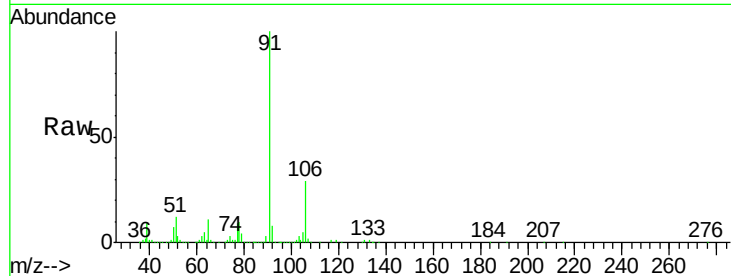
106 29.2 23.4 35.0

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



#68

m/p-Xylenes

Concen: 95.349 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.00 min

Lab File: VF059637.D

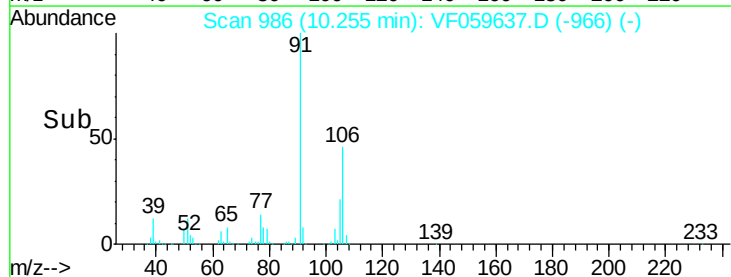
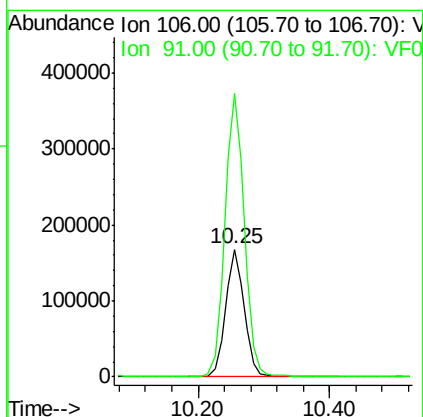
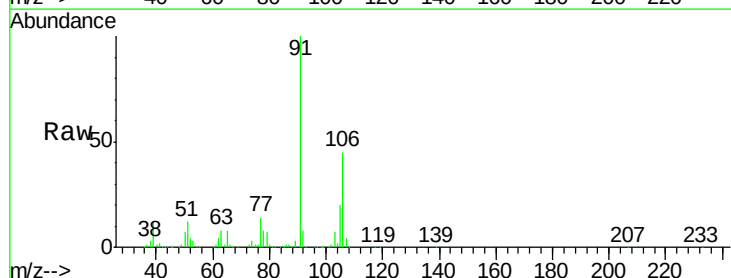
Acq: 24 Jul 2018 17:30

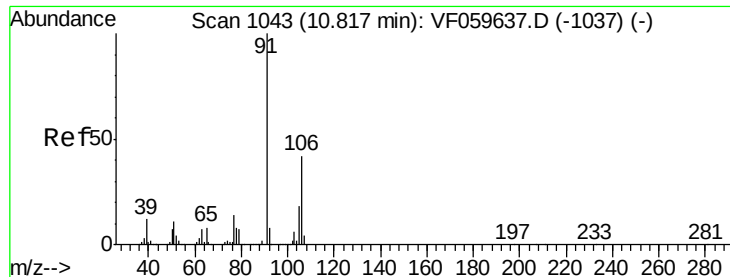
Tgt Ion: 106 Resp: 334342

Ion Ratio Lower Upper

106 100

91 222.3 177.8 266.8





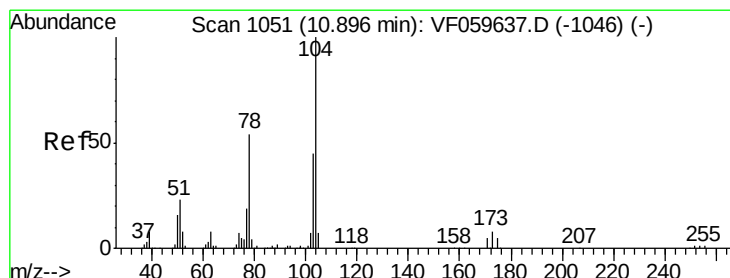
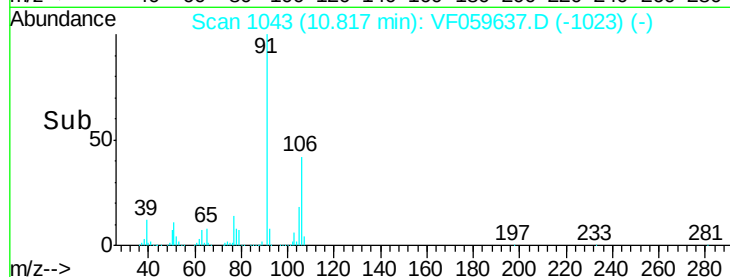
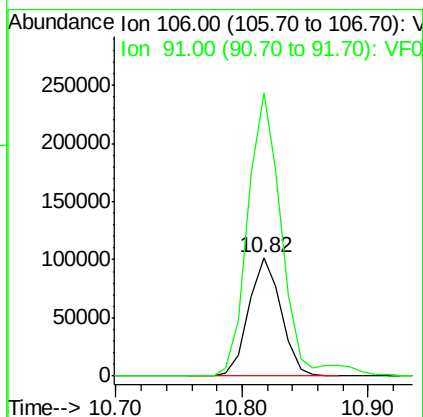
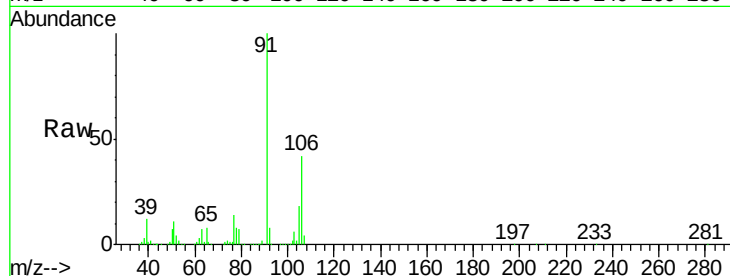
#69
o-Xylene
Concen: 48.099 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 181880
Ion Ratio Lower Upper
106 100
91 238.6 119.3 357.9

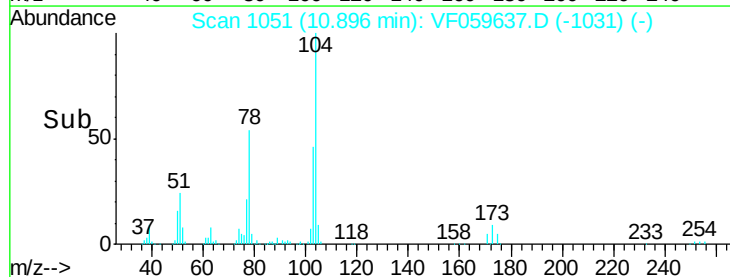
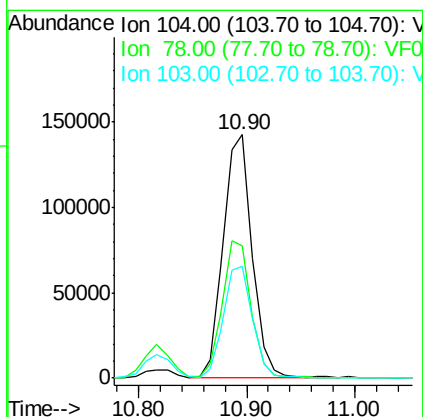
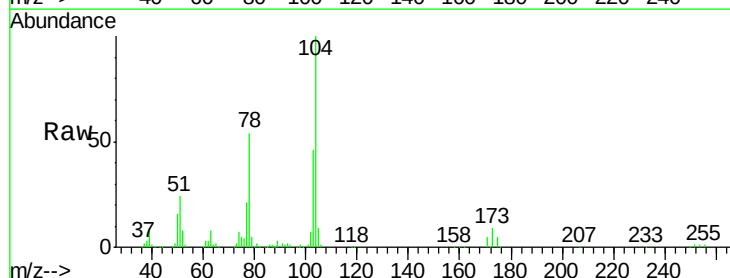
Manual Integrations
APPROVED

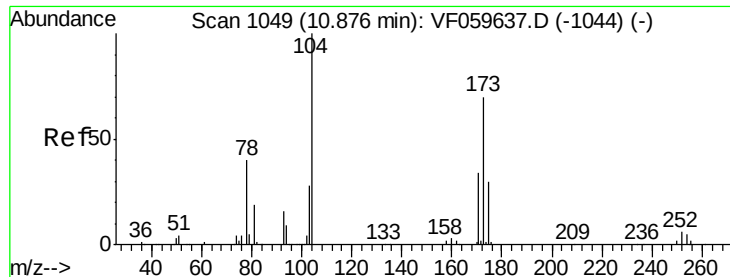
apatel
7/25/2018 2:23:05 PM



#70
Styrene
Concen: 46.866 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion:104 Resp: 264004
Ion Ratio Lower Upper
104 100
78 54.3 43.4 65.2
103 45.9 36.7 55.1





#71

Bromoform

Concen: 46.260 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 72202

Ion Ratio Lower Upper

173 100

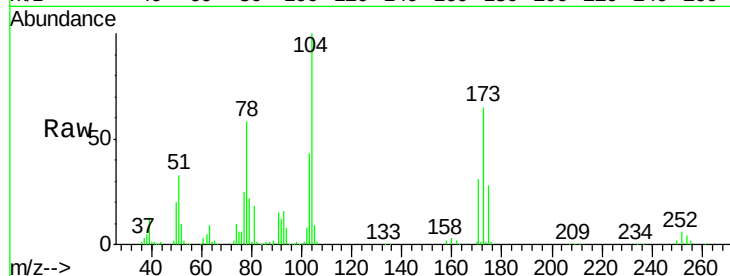
175 43.3 21.6 65.0

254 0.0 0.0 0.0

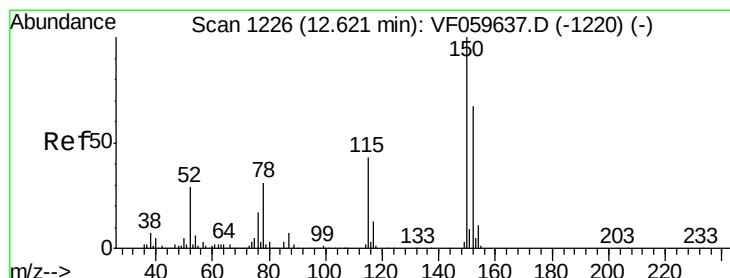
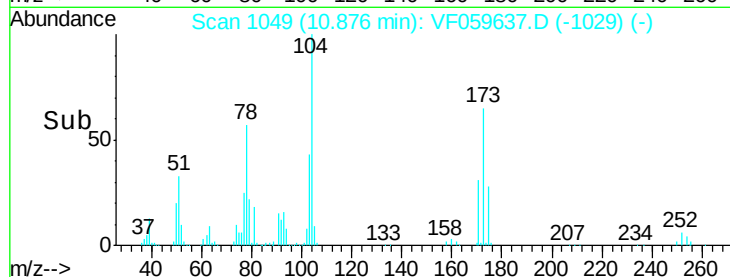
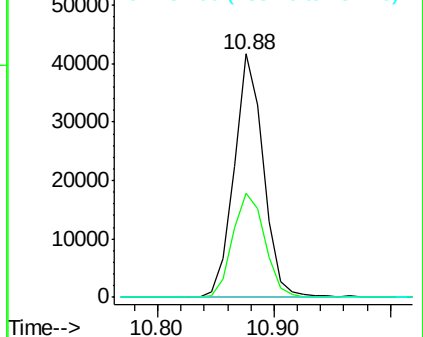
Manual Integrations
APPROVED

apatel

7/25/2018 2:23:05 PM



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

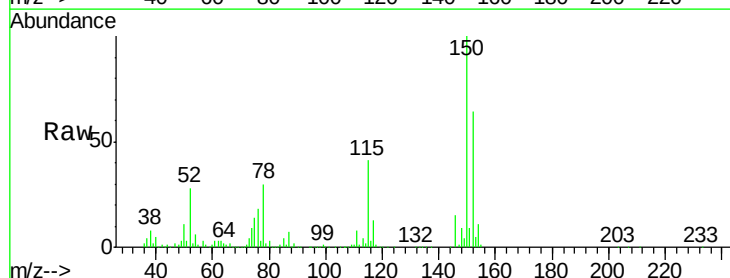
Tgt Ion:152 Resp: 199909

Ion Ratio Lower Upper

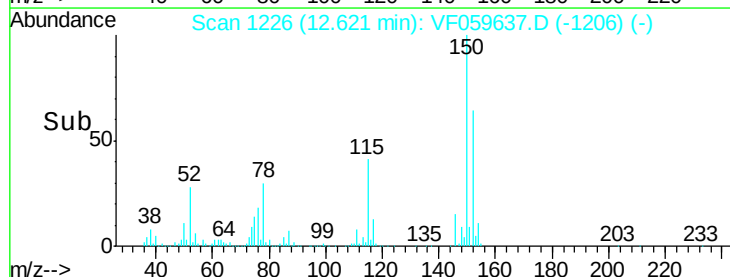
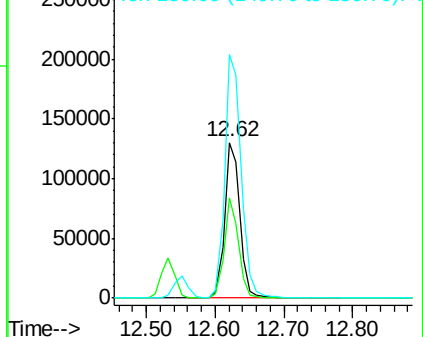
152 100

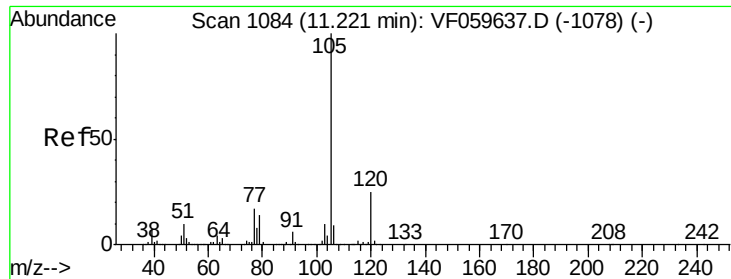
115 64.1 32.0 96.2

150 156.6 0.0 313.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





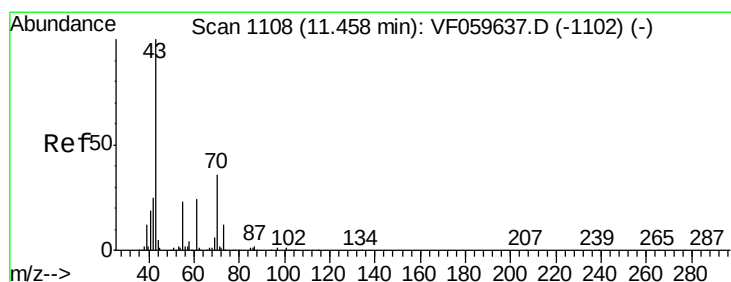
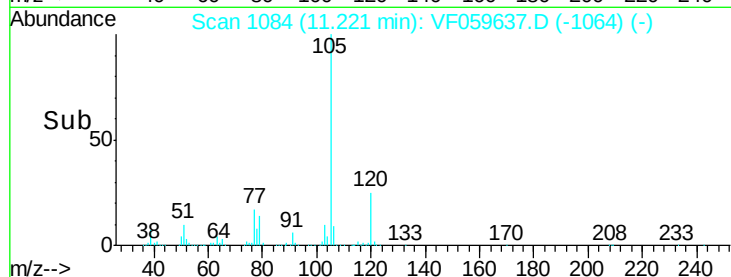
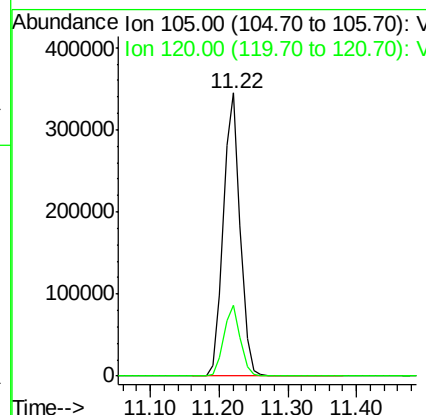
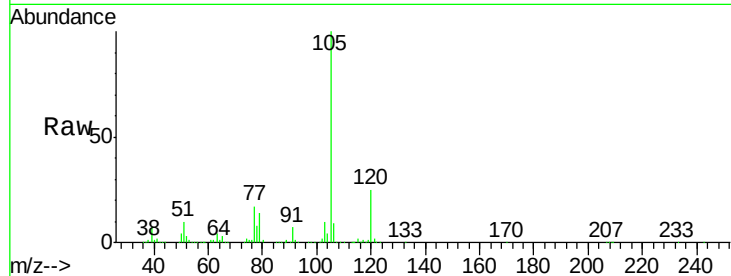
#73
Isopropylbenzene
Concen: 45.923 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.6	37.8

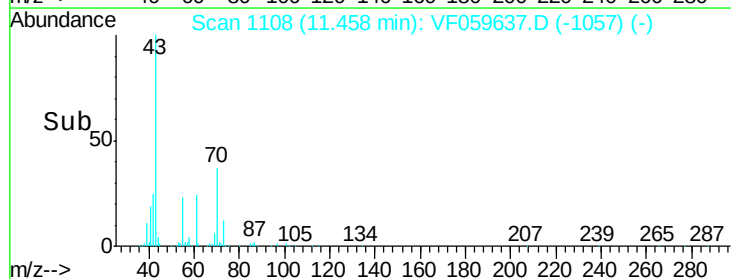
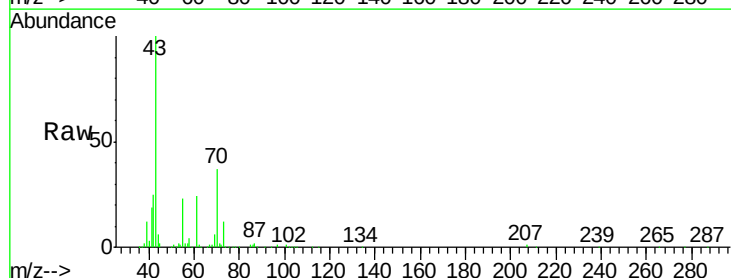
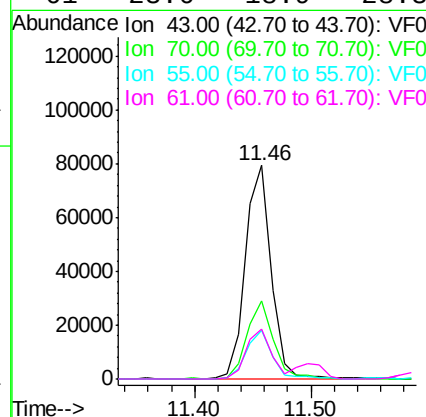
Manual Integrations
APPROVED

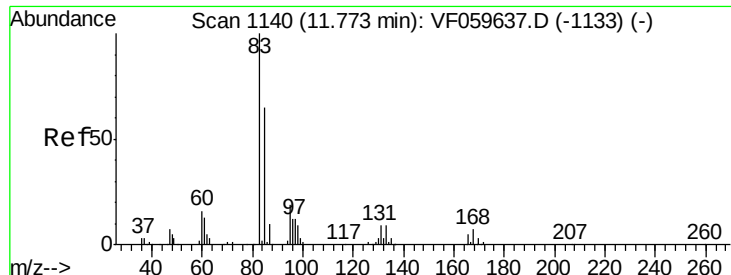
apatel
7/25/2018 2:23:05 PM



#74
N-ethyl acetate
Concen: 43.789 ug/l
RT: 11.46 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	29.4	44.0
55	22.8	18.2	27.4
61	23.6	18.9	28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 44.533 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

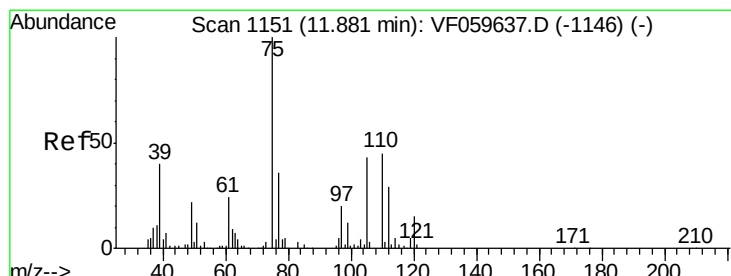
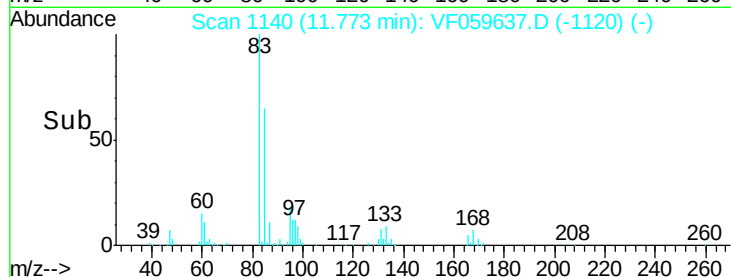
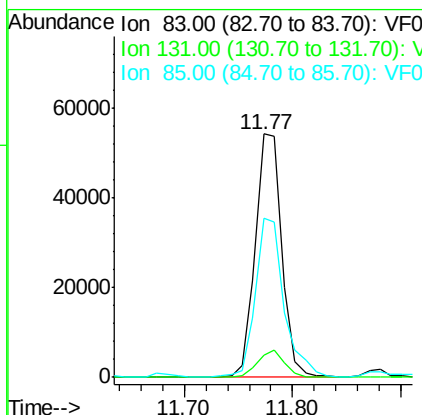
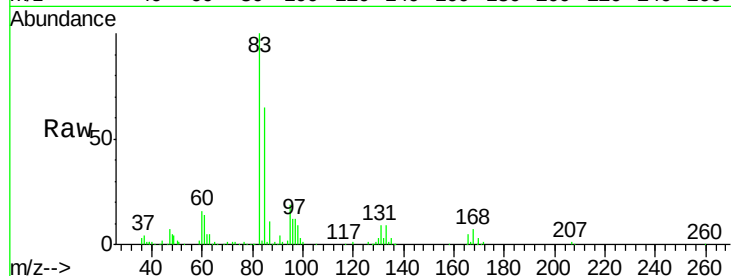
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	93297
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.5
85	65.1	32.6	97.7

Manual Integrations
APPROVED

apatel
7/25/2018 2:23:05 PM



#76

1,2,3-Trichloropropane

Concen: 41.222 ug/l

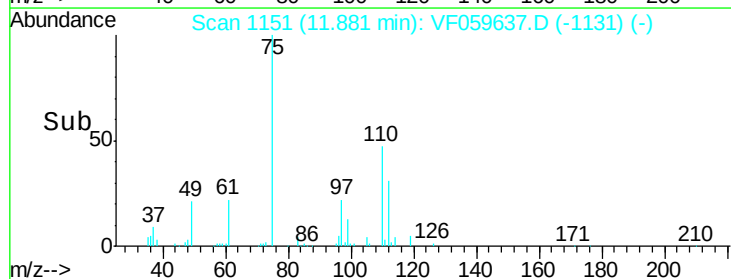
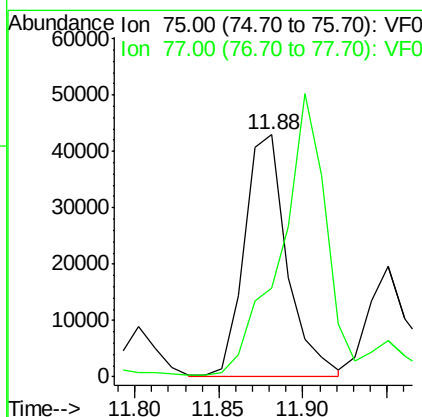
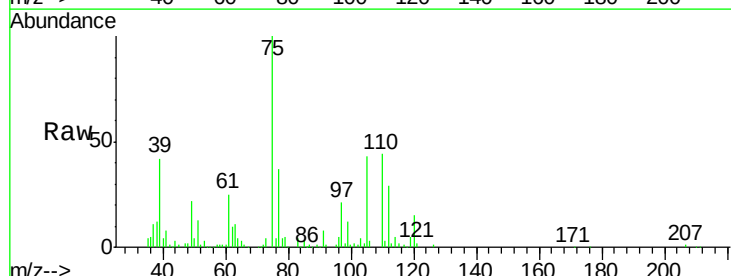
RT: 11.88 min Scan# 1151

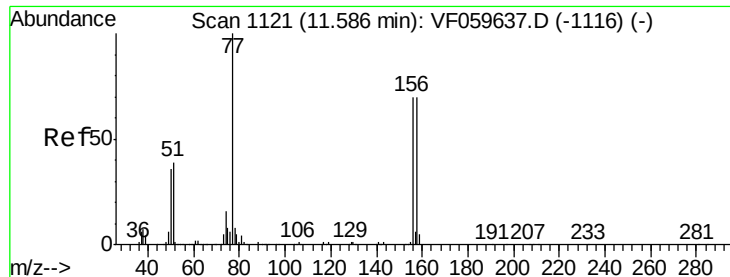
Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Tgt Ion:	75	Resp:	75636
Ion Ratio	Lower	Upper	
75	100		
77	36.7	18.4	55.0





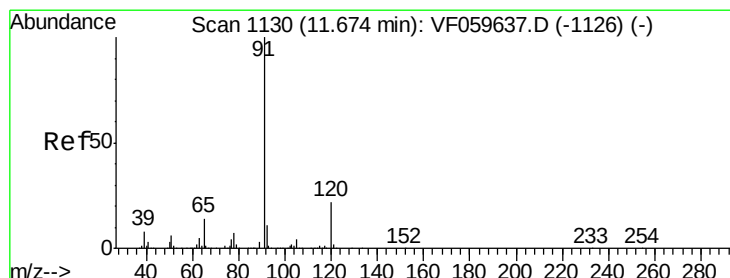
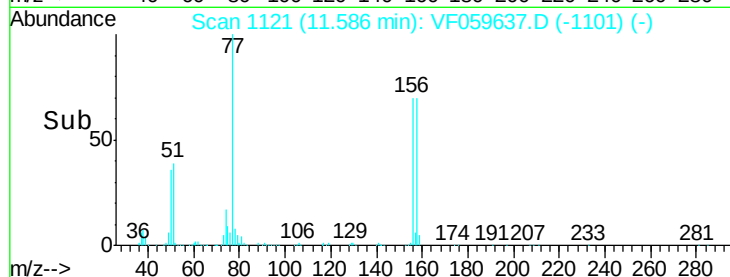
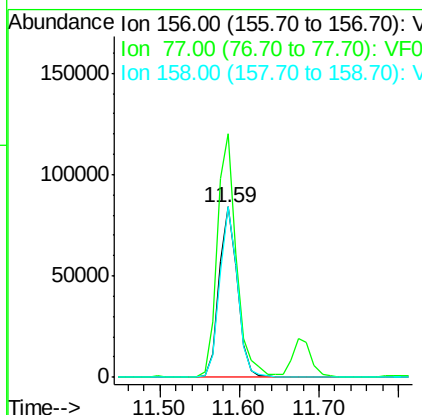
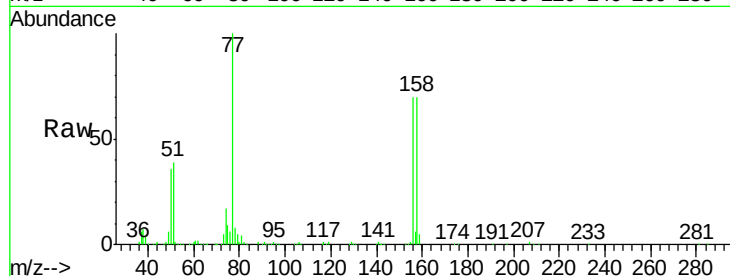
#77
Bromobenzene
Concen: 42.366 ug/l
RT: 11.59 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.9	71.5	214.3
158	99.9	50.0	149.8

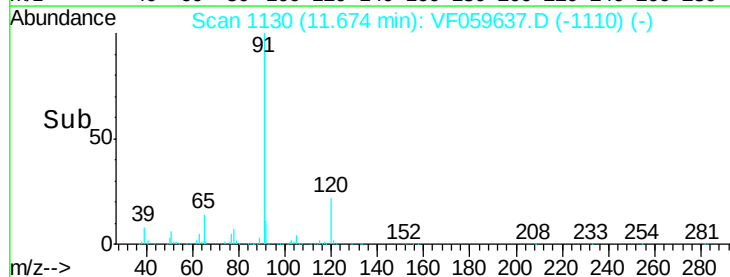
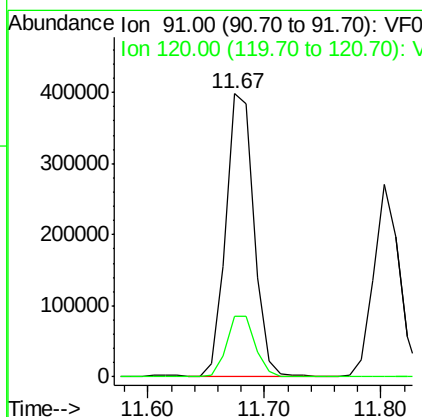
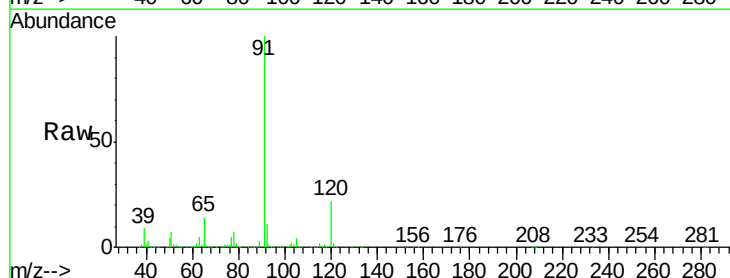
Manual Integrations
APPROVED

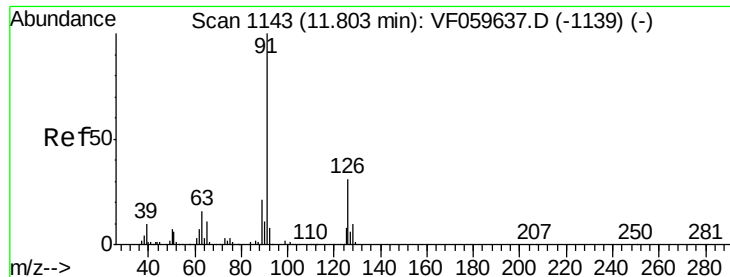
apatel
7/25/2018 2:23:05 PM



#78
n-propylbenzene
Concen: 43.948 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79

2-Chlorotoluene

Concen: 44.891 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 408118

Ion Ratio Lower Upper

91 100

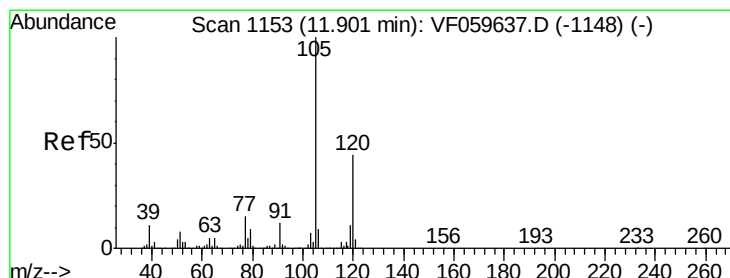
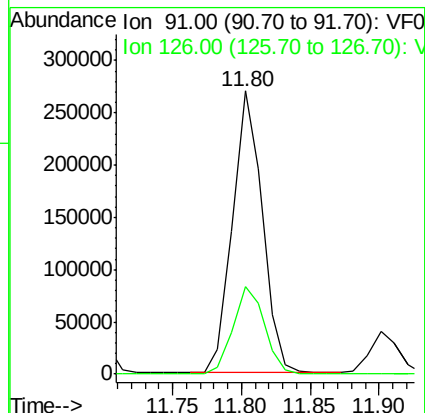
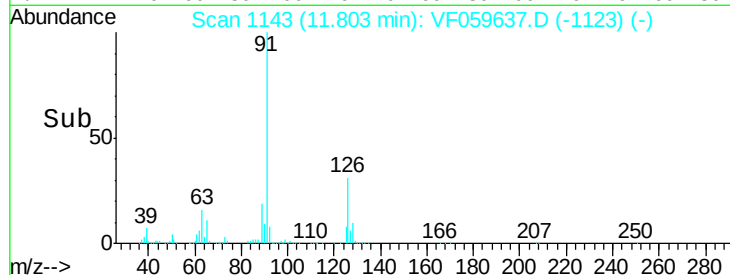
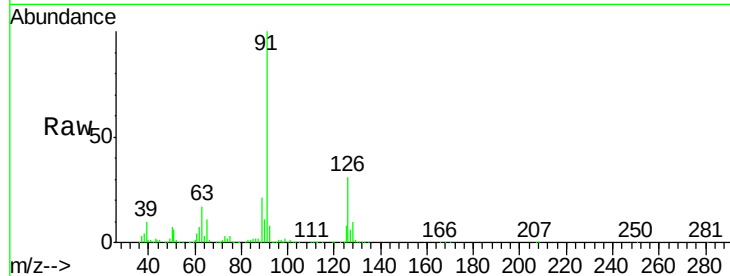
126 30.9 15.4 46.4

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



#80

1,3,5-Trimethylbenzene

Concen: 45.818 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059637.D

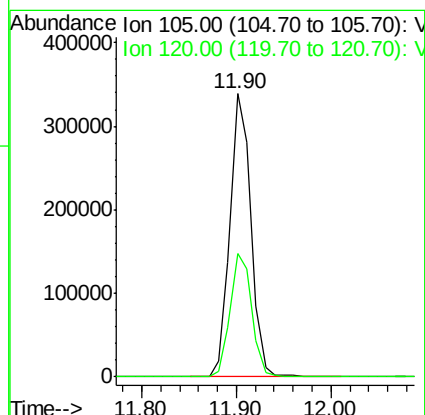
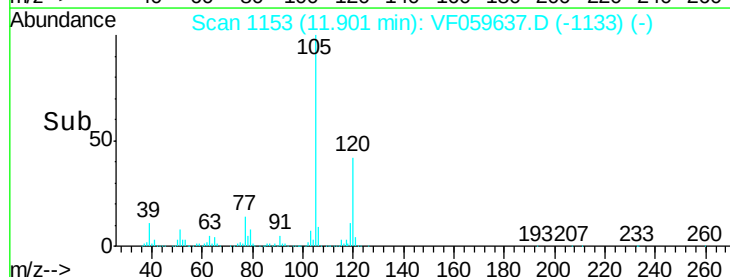
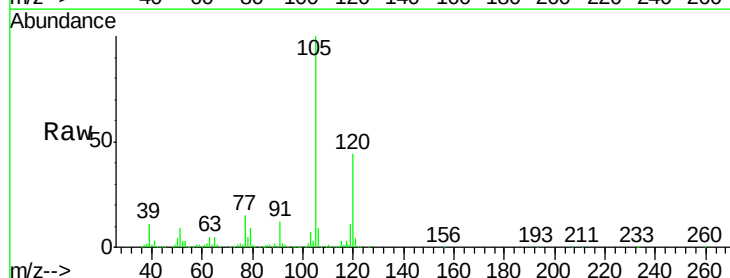
Acq: 24 Jul 2018 17:30

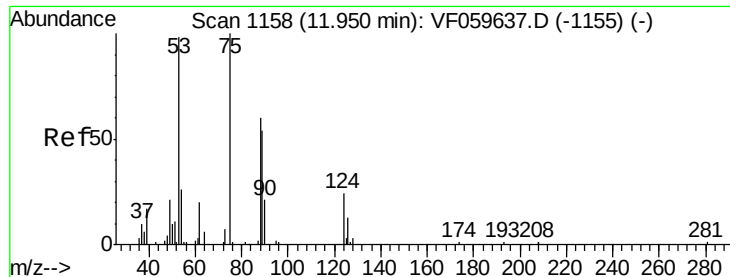
Tgt Ion: 105 Resp: 521123

Ion Ratio Lower Upper

105 100

120 43.6 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 56.346 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 42798

Ion Ratio Lower Upper

75 100

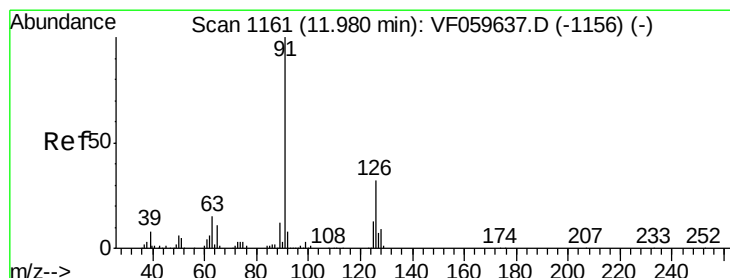
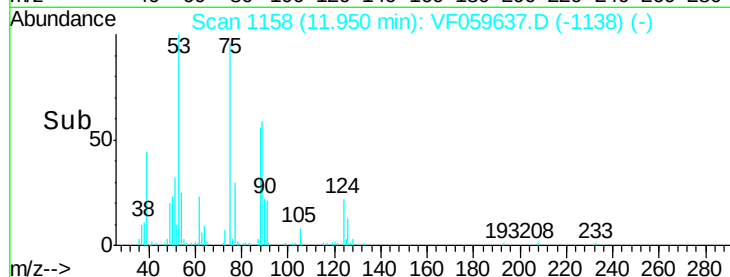
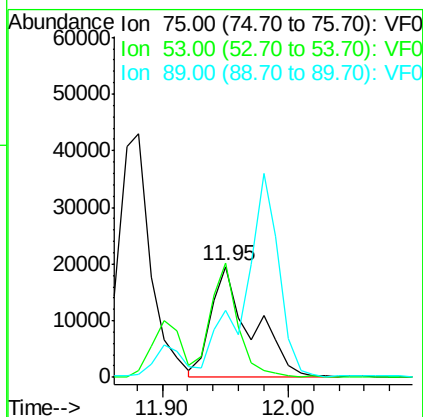
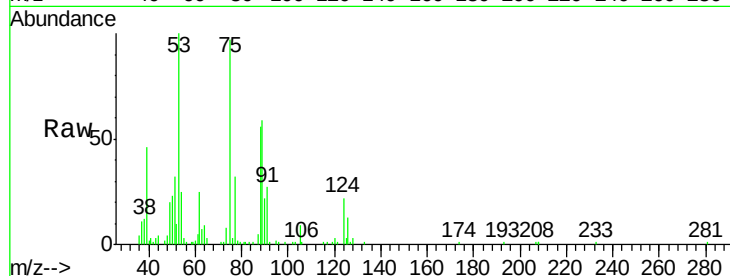
53 102.9 82.3 123.5

89 60.2 48.2 72.2

Manual Integrations
APPROVED

apatel

7/25/2018 2:23:05 PM



#82

4-Chlorotoluene

Concen: 42.736 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF059637.D

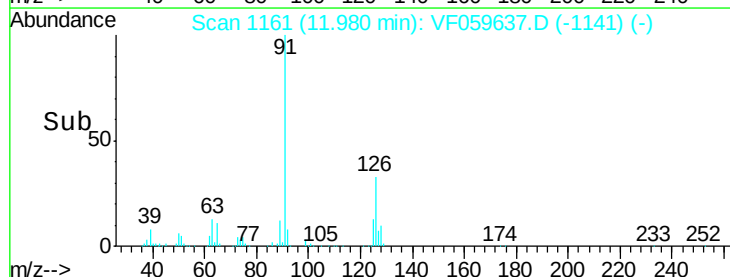
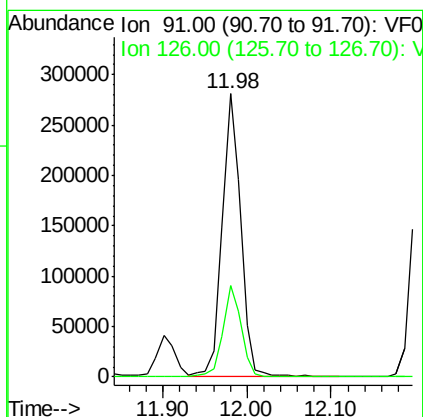
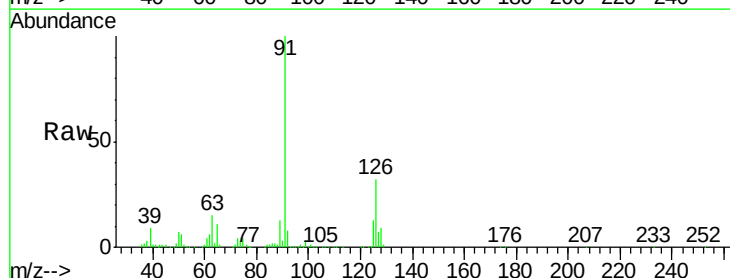
Acq: 24 Jul 2018 17:30

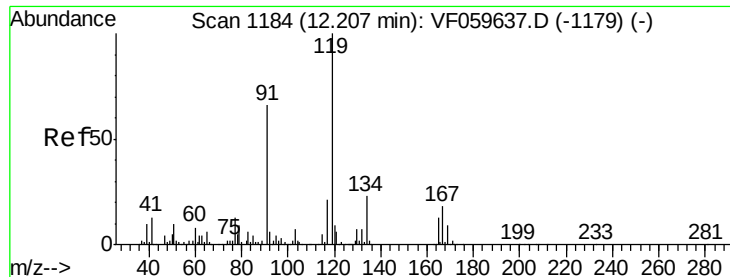
Tgt Ion: 91 Resp: 430582

Ion Ratio Lower Upper

91 100

126 32.1 16.1 48.2





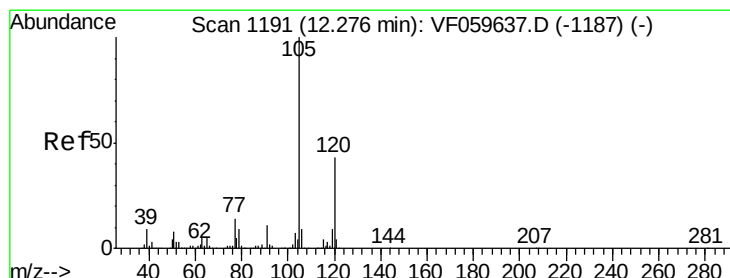
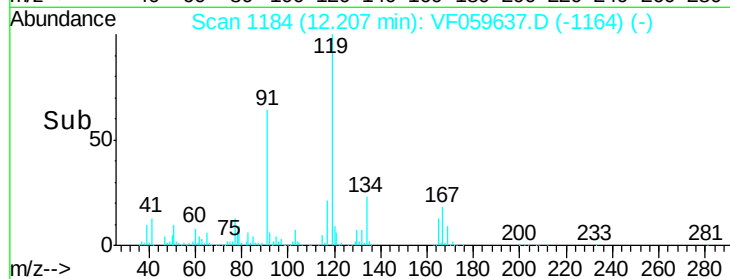
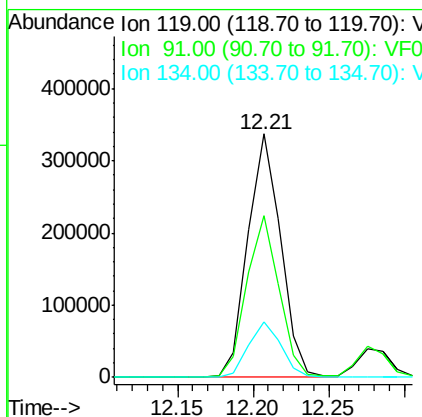
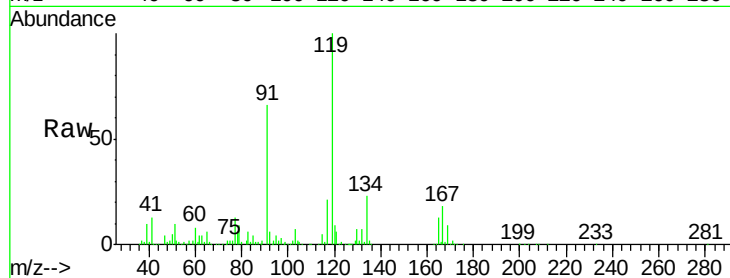
#83
 tert-Butylbenzene
 Concen: 45.701 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.2	99.6
134	22.9	11.5	34.4

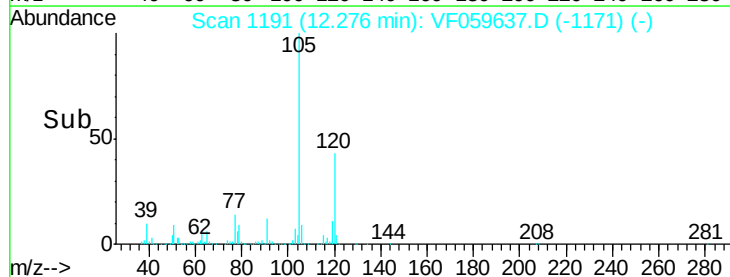
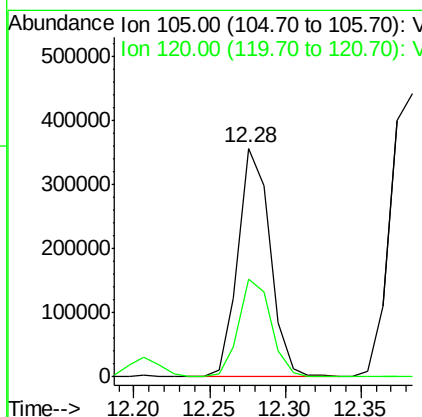
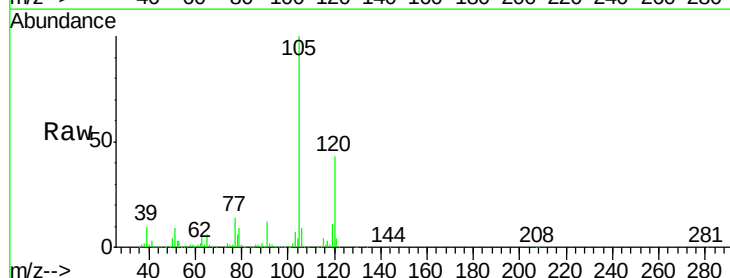
Manual Integrations
 APPROVED

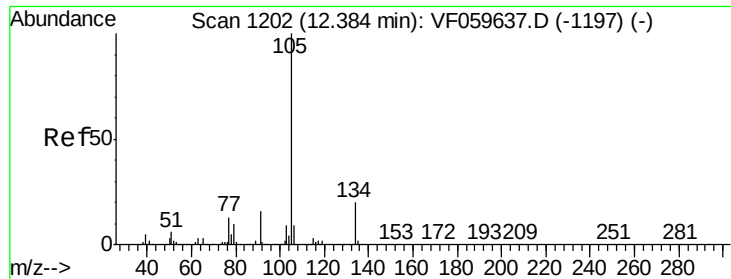
apatel
 7/25/2018 2:23:05 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.655 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.2





#85

sec-Butylbenzene

Concen: 46.685 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 680858

Ion Ratio Lower Upper

105 100

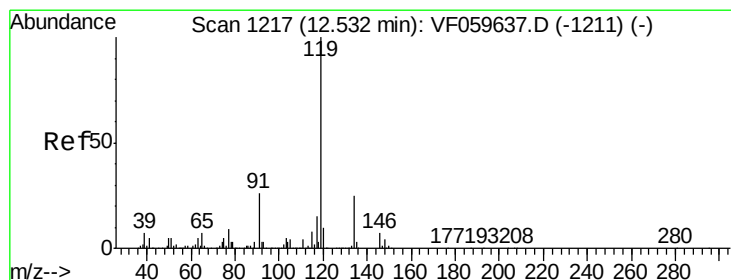
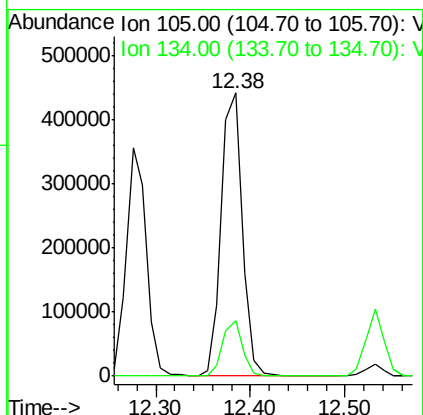
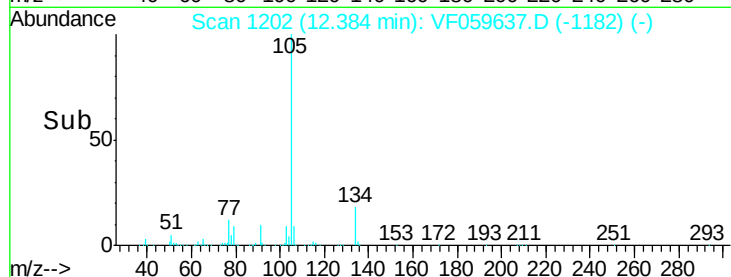
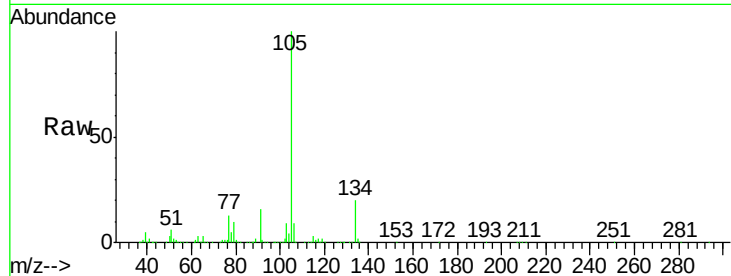
134 19.8 9.9 29.7

Manual Integrations

APPROVED

apatel

7/25/2018 2:23:05 PM



#86

p-Isopropyltoluene

Concen: 46.428 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF059637.D

Acq: 24 Jul 2018 17:30

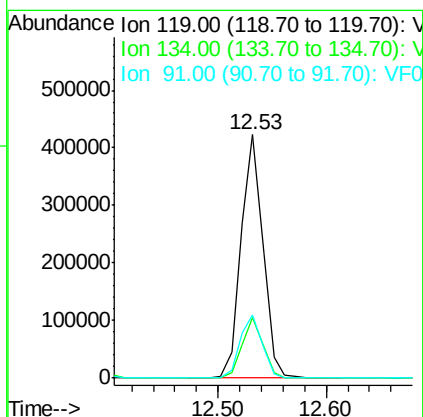
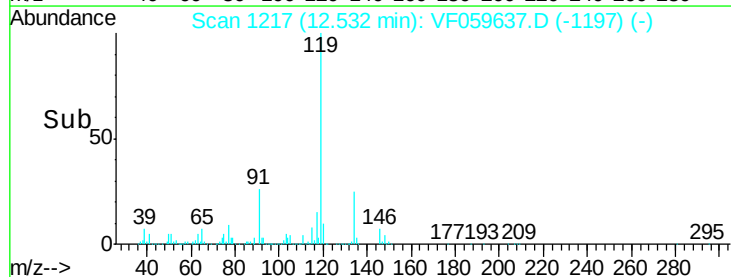
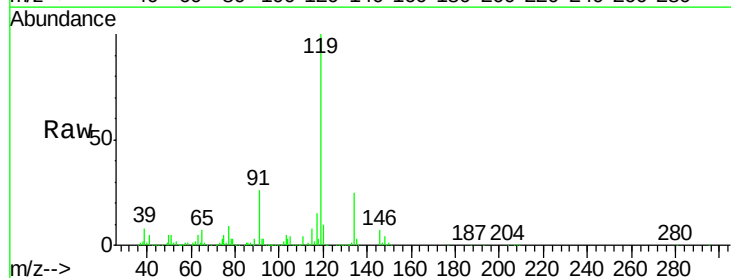
Tgt Ion:119 Resp: 592718

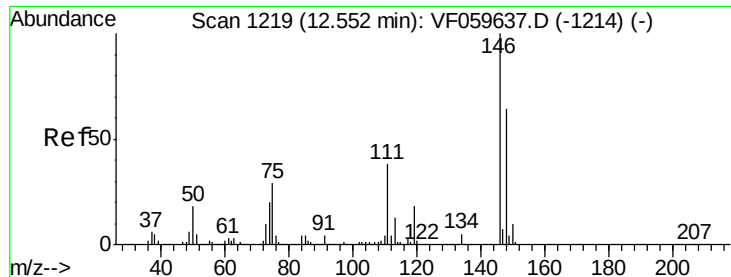
Ion Ratio Lower Upper

119 100

134 24.7 12.4 37.0

91 26.1 13.1 39.1





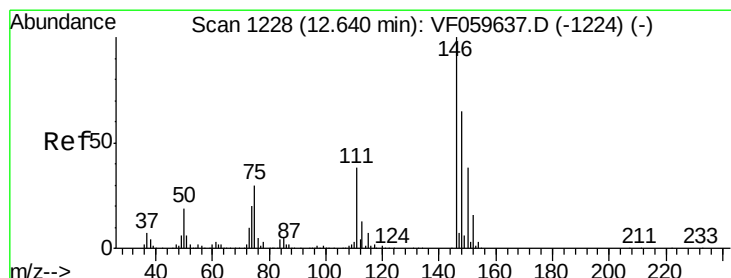
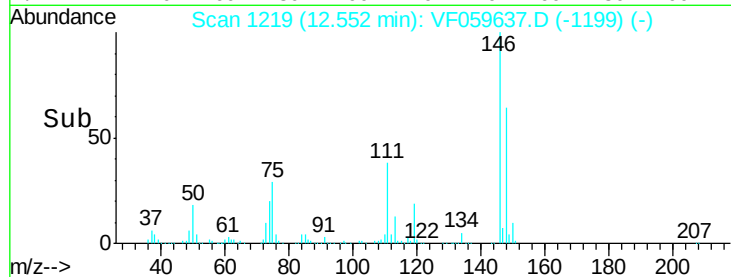
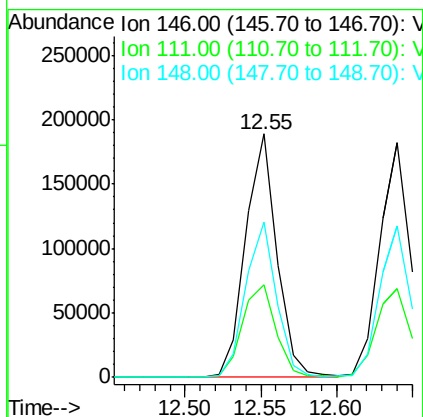
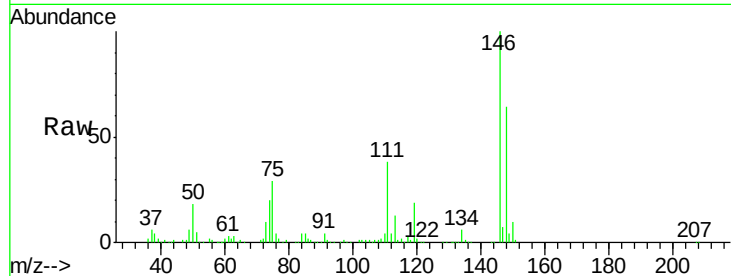
#87
 1,3-Dichlorobenzene
 Concen: 43.545 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	63.9	31.9	95.9

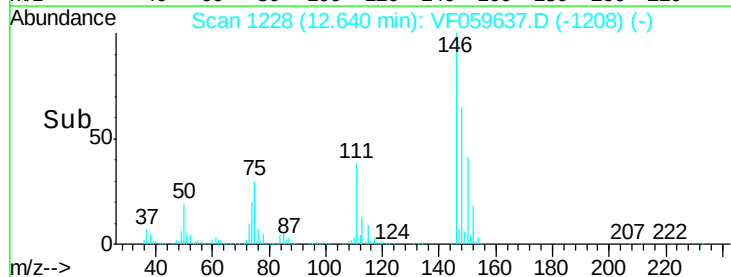
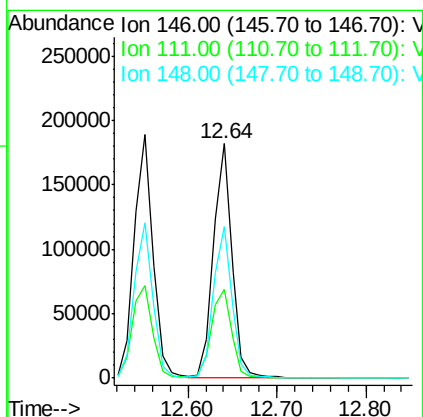
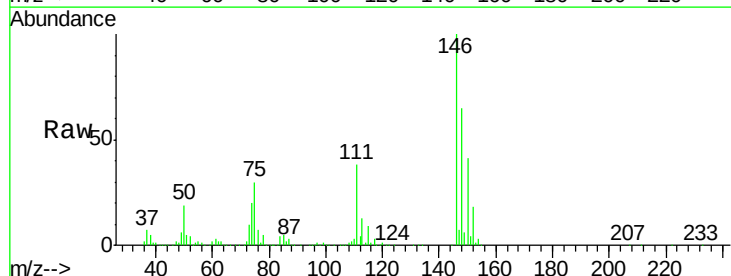
Manual Integrations
 APPROVED

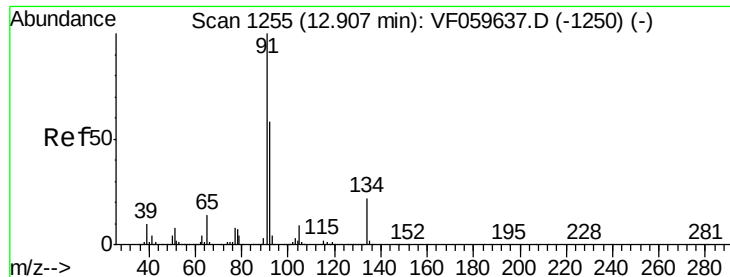
apatel
 7/25/2018 2:23:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.048 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.8	32.4	97.2





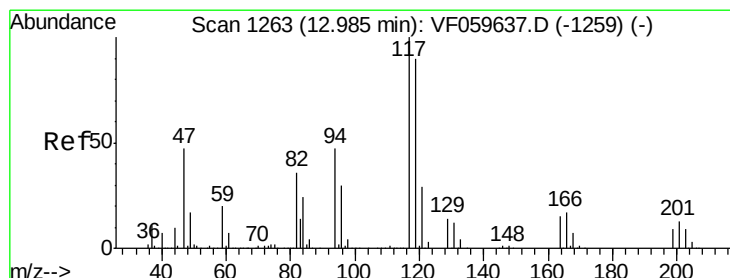
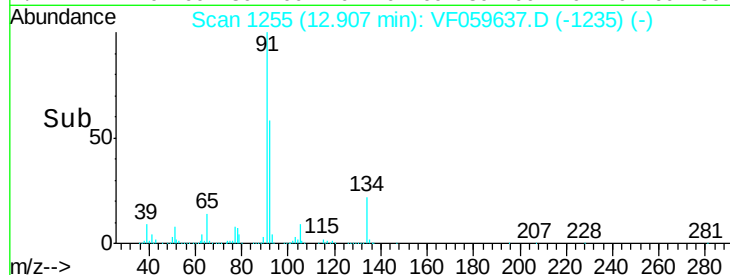
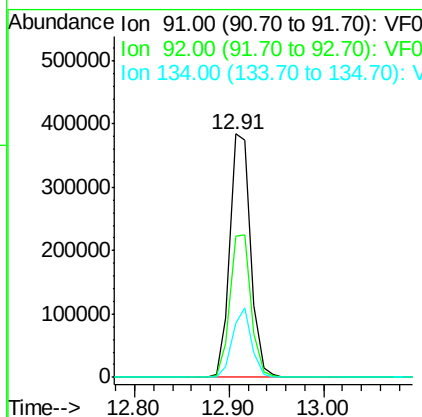
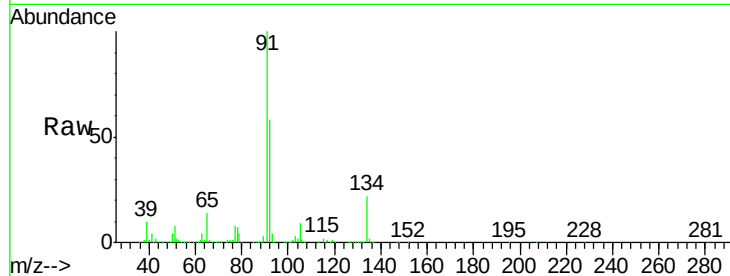
#89
n-Butylbenzene
Concen: 48.005 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.2	29.1	87.3
134	22.4	11.2	33.6

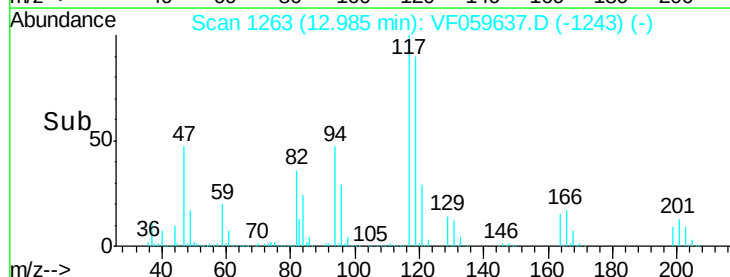
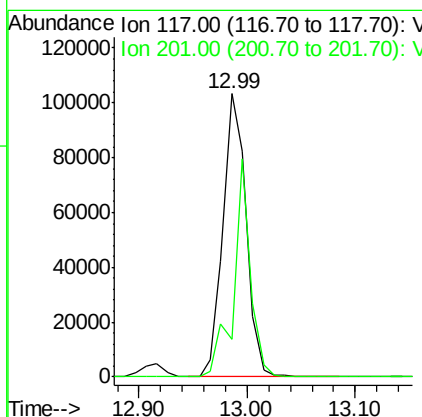
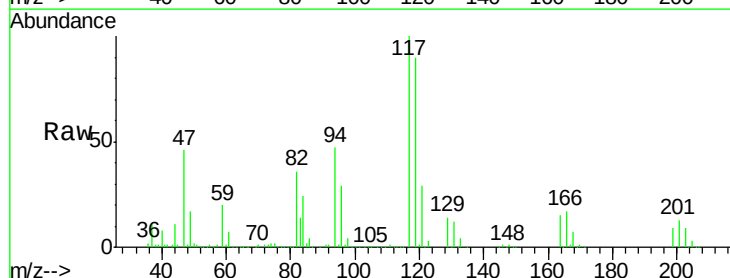
Manual Integrations
APPROVED

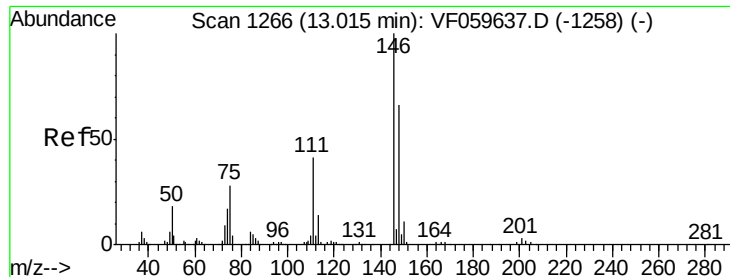
apatel
7/25/2018 2:23:05 PM



#90
Hexachloroethane
Concen: 48.504 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	13.1	6.6	19.7





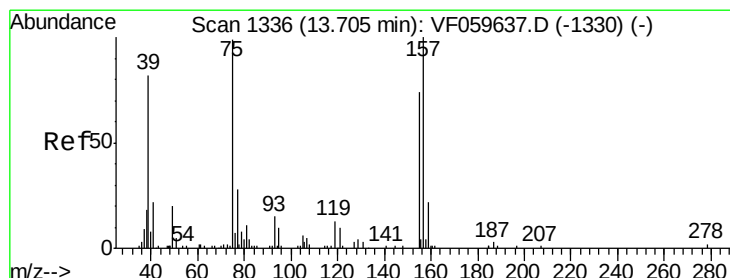
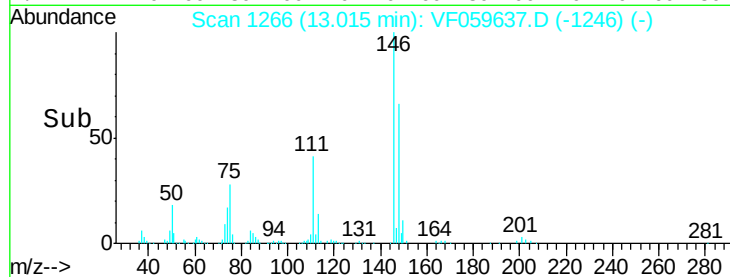
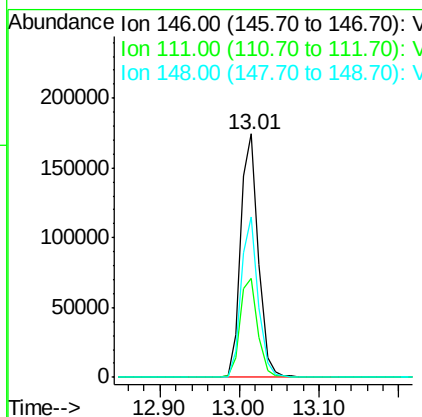
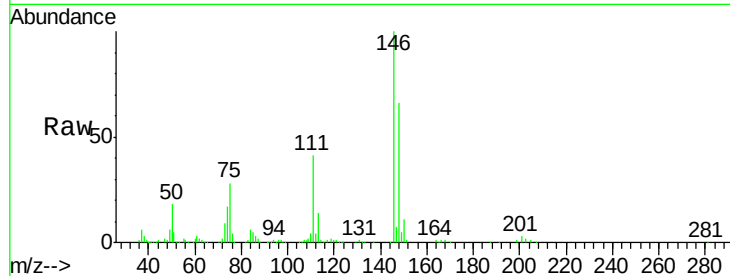
#91
 1,2-Dichlorobenzene
 Concen: 45.697 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	269920		
111	40.7	20.3	61.0	
148	65.7	32.9	98.6	

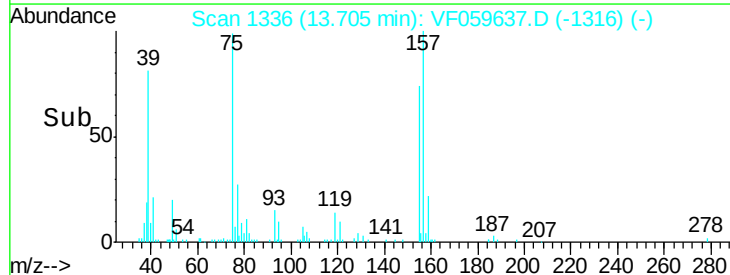
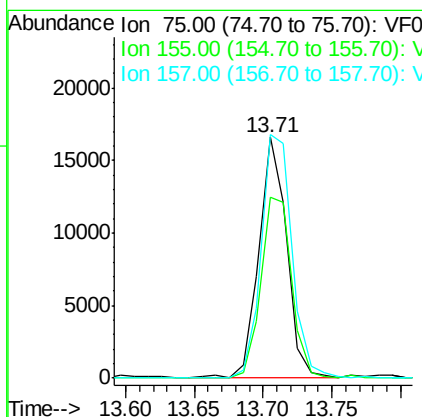
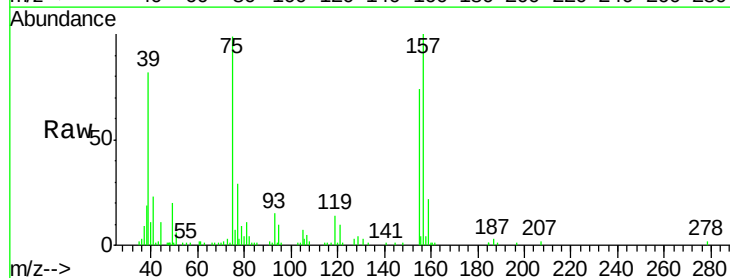
Manual Integrations
 APPROVED

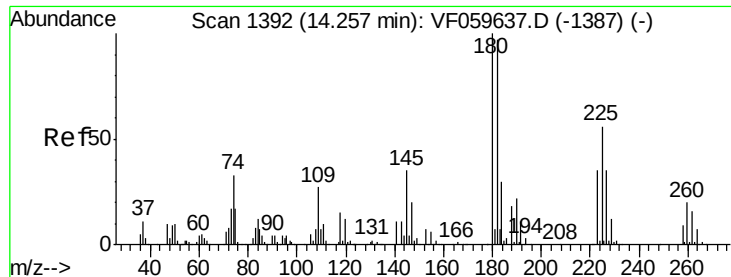
apatel
 7/25/2018 2:23:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.846 ug/l
 RT: 13.71 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23367		
155	75.1	37.5	112.7	
157	101.3	50.6	151.9	





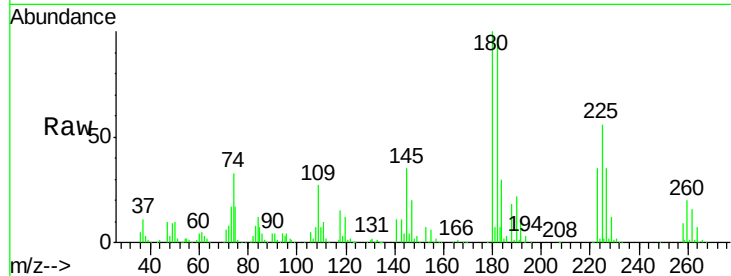
#93
 1,2,4-Trichlorobenzene
 Concen: 48.425 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213741		
182	97.1	48.5	145.6	
145	34.8	17.4	52.2	

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:23:05 PM

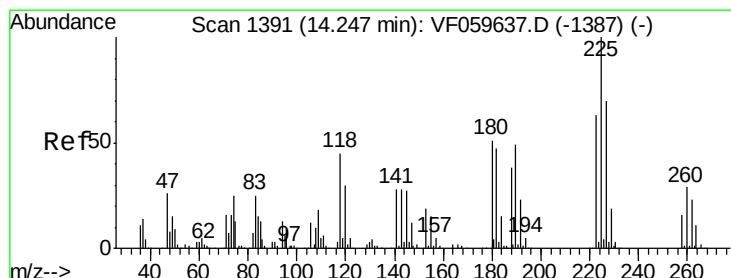
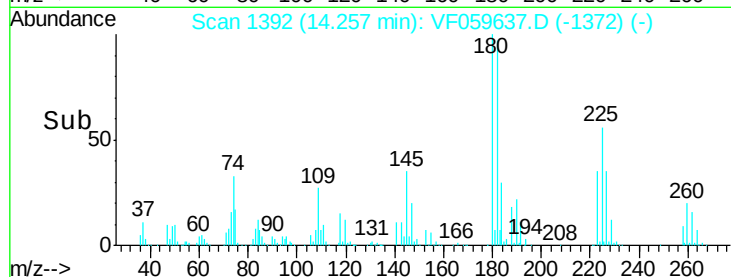
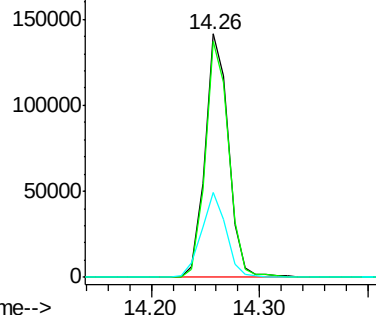


Abundance

Ion 180.00 (179.70 to 180.70): V

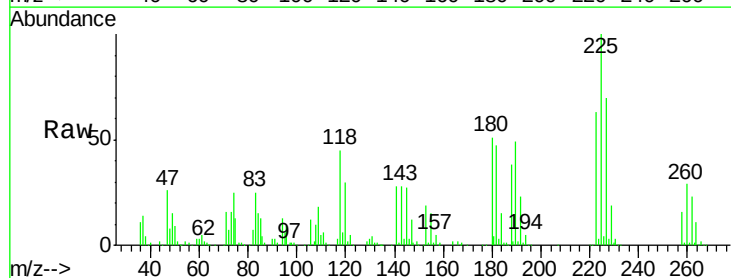
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 48.781 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF059637.D
 Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150290		
223	66.5	33.3	99.8	
227	69.6	34.8	104.4	

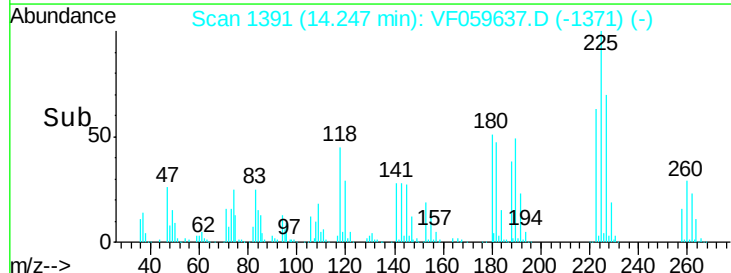
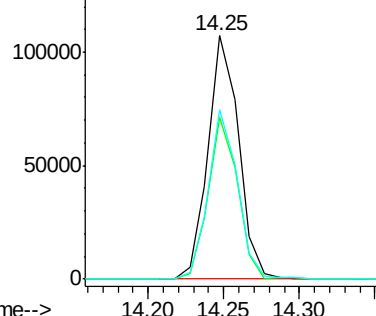


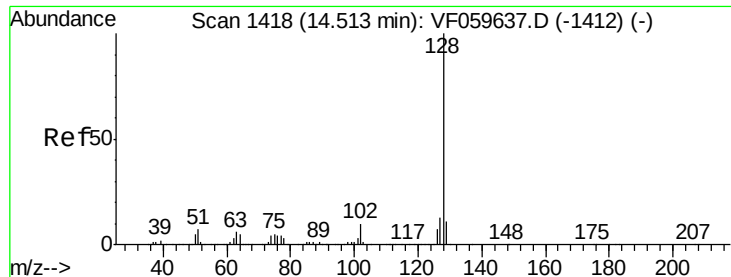
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





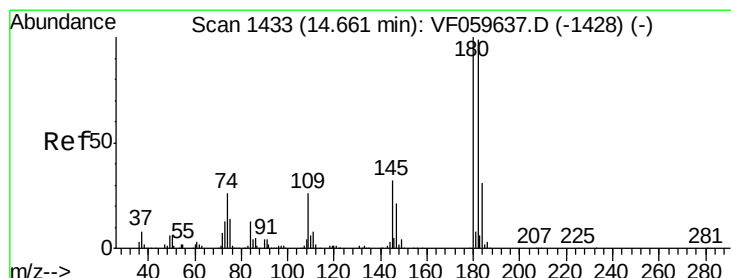
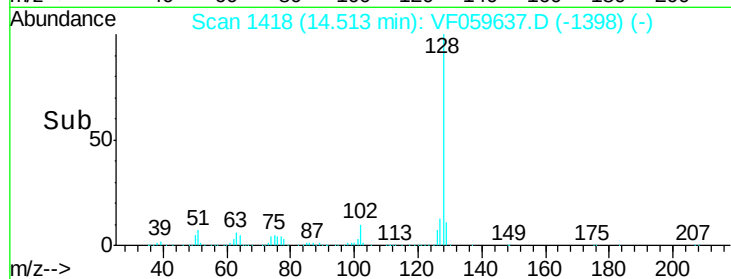
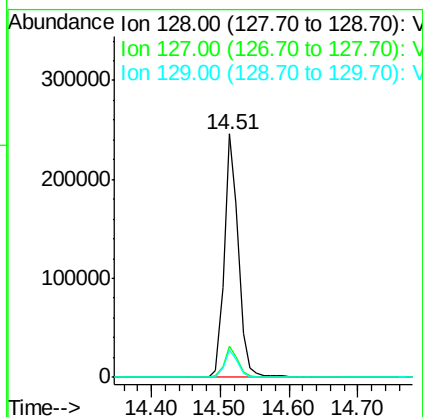
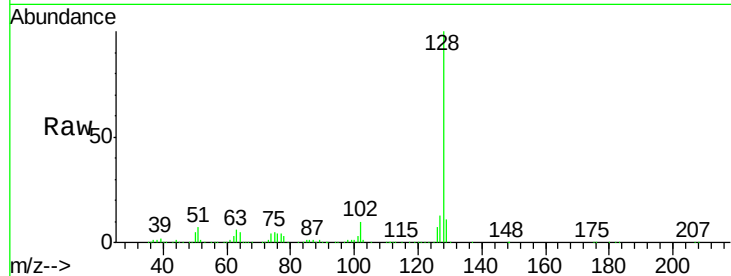
#95
Naphthalene
Concen: 49.011 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.4	9.1	13.7

Manual Integrations
APPROVED

apatel
7/25/2018 2:23:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.926 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VF059637.D
Acq: 24 Jul 2018 17:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	49.5	148.5
145	32.0	16.0	48.0

