

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059837.D
 Acq On : 3 Aug 2018 14:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel

8/6/2018 10:04:38 AM

Quant Time: Aug 03 14:59:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	199131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	290291	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	287722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	173408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	166838	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
35) Dibromofluoromethane	4.29	113	143098	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
50) Toluene-d8	7.70	98	340769	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.50	95	179033	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	98207	43.08	ug/l	98
3) Chloromethane	1.08	50	61196	53.24	ug/l	89
4) Vinyl Chloride	1.15	62	64176	52.13	ug/l	94
5) Bromomethane	1.34	94	50300	49.59	ug/l	92
6) Chloroethane	1.43	64	37081	49.31	ug/l	91
7) Trichlorofluoromethane	1.54	101	155582m	41.84	ug/l	
8) Diethyl Ether	1.70	74	30053	47.26	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	92554	47.52	ug/l	92
10) Methyl Iodide	1.97	142	141654m	51.77	ug/l	
11) Tert butyl alcohol	2.68	59	42063	291.74	ug/l	96
12) 1,1-Dichloroethene	1.85	96	71341	46.26	ug/l	86
13) Acrolein	2.08	56	25018	325.80	ug/l	88
14) Allyl chloride	2.19	41	102831	41.76	ug/l	83
15) Acrylonitrile	3.06	53	71139	307.64	ug/l	91
16) Acetone	2.33	43	189511	294.40	ug/l	99
17) Carbon Disulfide	1.88	76	155167m	49.10	ug/l	
18) Methyl Acetate	2.44	43	54488	55.03	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	241691	51.39	ug/l	100
20) Methylene Chloride	2.27	84	77144m	55.78	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	69792	51.79	ug/l	93
22) Diisopropyl ether	2.92	45	264744	50.85	ug/l	94
23) Vinyl Acetate	3.32	43	788772	294.66	ug/l	98
24) 1,1-Dichloroethane	2.99	63	172911	47.80	ug/l #	97
25) 2-Butanone	4.50	43	196184	273.09	ug/l #	79
26) 2,2-Dichloropropane	3.75	77	121981	47.30	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	95407	49.25	ug/l	91
28) Bromochloromethane	3.87	49	70844	56.85	ug/l	90
29) Tetrahydrofuran	4.25	42	81351	294.63	ug/l	96
30) Chloroform	4.03	83	236142	46.25	ug/l	94
31) Cyclohexane	3.85	56	96634	55.58	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	177226	44.75	ug/l	97
36) 1,1-Dichloropropene	4.45	75	143332	48.67	ug/l	96
37) Ethyl Acetate	4.28	43	87319	61.33	ug/l #	80
38) Carbon Tetrachloride	4.16	117	207235	44.90	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	148133	67.64	ug/l	88
40) Benzene	4.80	78	281544	48.03	ug/l	99
41) Methacrylonitrile	4.92	41	40429	55.64	ug/l	95
42) 1,2-Dichloroethane	5.10	62	187394	45.68	ug/l	98
43) Isopropyl Acetate	7.10	43	92505	53.29	ug/l #	96
44) Trichloroethene	5.67	130	103106	52.72	ug/l	96
45) 1,2-Dichloropropane	6.39	63	80126	51.76	ug/l	93
46) Dibromomethane	6.24	93	72112	49.06	ug/l	94
47) Bromodichloromethane	6.53	83	187340	46.80	ug/l	99
48) Methyl methacrylate	6.86	41	67051	51.36	ug/l	89
49) 1,4-Dioxane	6.86	88	11919	1381.24	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	374076	283.30	ug/l	97
52) Toluene	7.77	92	203112	52.16	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	162067	46.66	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	168073	49.96	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	82339	51.86	ug/l	95
56) Ethyl methacrylate	8.75	69	91934	55.52	ug/l	95
57) 1,3-Dichloropropane	9.00	76	138843	50.97	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	40264	210.61	ug/l	100
59) 2-Hexanone	9.62	43	273421	258.40	ug/l	97
60) Dibromochloromethane	8.86	129	138204	49.33	ug/l	95
61) 1,2-Dibromoethane	9.13	107	90130	48.61	ug/l	89
64) Tetrachloroethene	8.30	164	99797	51.51	ug/l	94
65) Chlorobenzene	9.93	112	282809	49.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	127134	47.31	ug/l	98
67) Ethyl Benzene	10.03	91	474041	47.60	ug/l	100
68) m/p-Xylenes	10.26	106	332314	107.48	ug/l	100
69) o-Xylene	10.82	106	174718	47.62	ug/l	92
70) Styrene	10.90	104	273162	49.14	ug/l	95
71) Bromoform	10.88	173	87637	50.05	ug/l	97
73) Isopropylbenzene	11.22	105	563706	49.54	ug/l	99
74) N-amyl acetate	11.46	43	152354	53.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	119449	55.77	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	94684	51.99	ug/l	91
77) Bromobenzene	11.59	156	143313	48.23	ug/l	94
78) n-propylbenzene	11.68	91	652886	56.65	ug/l	97
79) 2-Chlorotoluene	11.81	91	401248	55.11	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	513542	57.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	42140m	55.87	ug/l	
82) 4-Chlorotoluene	11.98	91	423821	54.41	ug/l	95
83) tert-Butylbenzene	12.21	119	513042	50.23	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	509831	56.23	ug/l	100
85) sec-Butylbenzene	12.39	105	650122	56.65	ug/l	98
86) p-Isopropyltoluene	12.54	119	567083	56.72	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	268357	55.80	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	267761	54.89	ug/l	98
89) n-Butylbenzene	12.91	91	552135	58.38	ug/l	95
90) Hexachloroethane	12.99	117	139395	48.57	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	271943	57.99	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	28546	54.52	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	210554	56.35	ug/l	97
94) Hexachlorobutadiene	14.25	225	144958	50.96	ug/l	97
95) Naphthalene	14.52	128	400822	53.61	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	203560	49.26	ug/l	98

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

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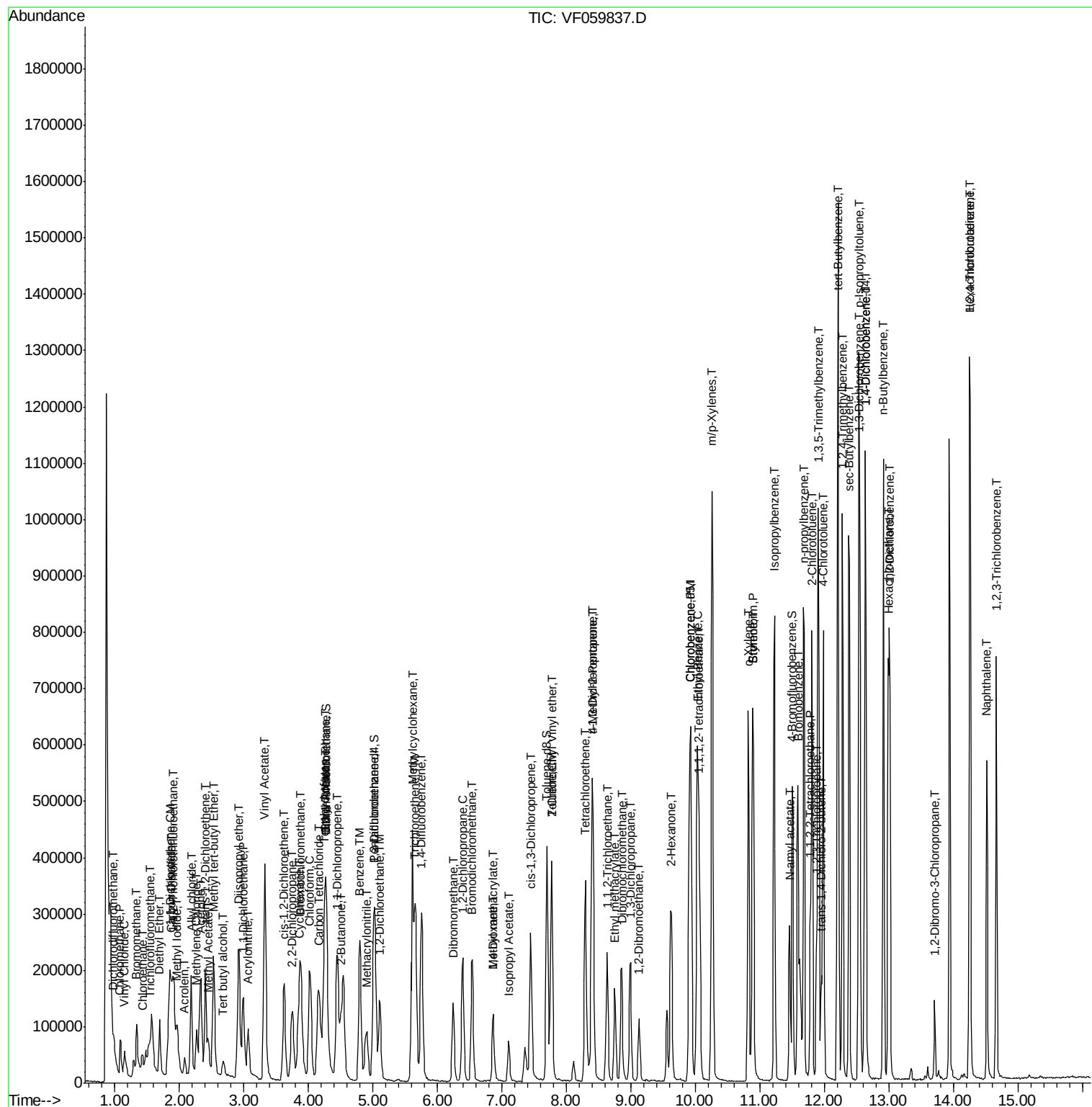
Instrument :
MSVOA_F
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VSTDCCC050

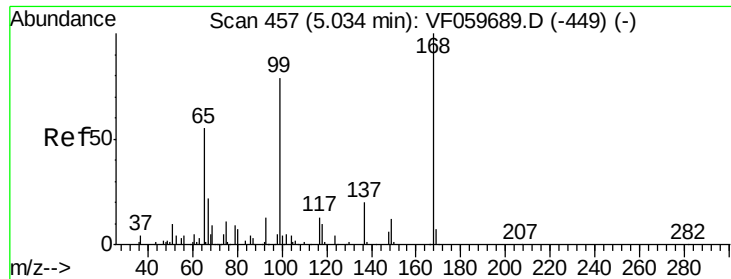
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 199131

Ion Ratio Lower Upper

168 100

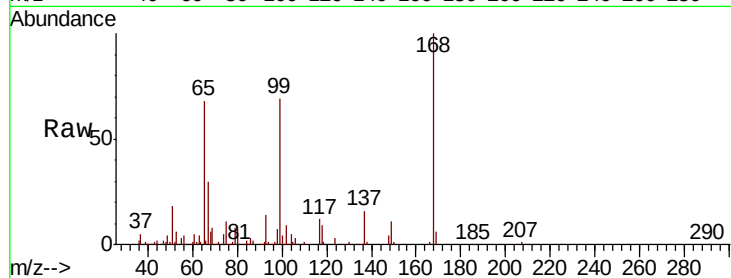
99 68.9 63.3 94.9

Manual Integrations

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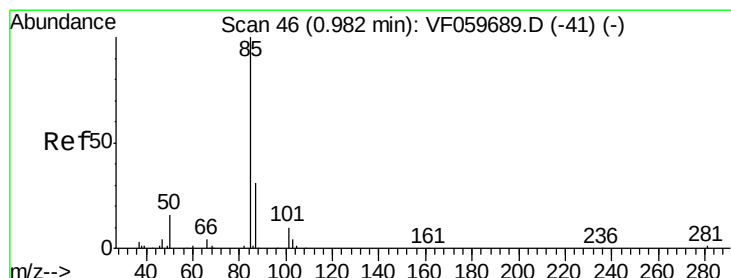
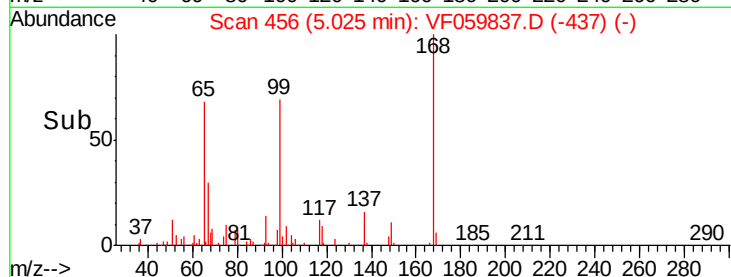
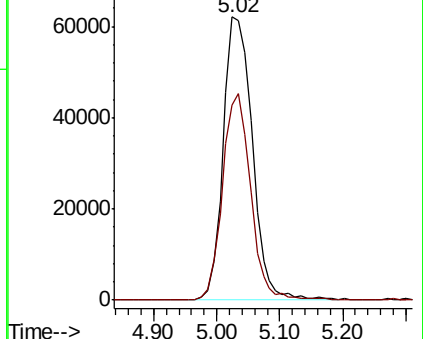
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 43.08 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059837.D

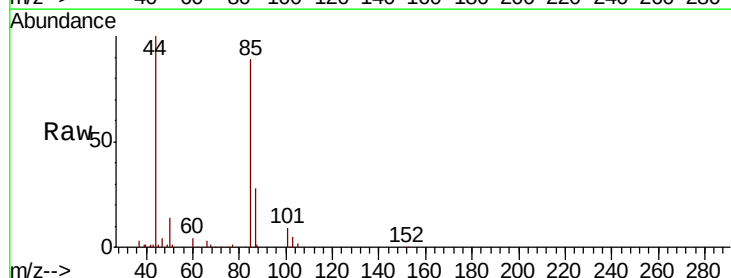
Acq: 3 Aug 2018 14:08

Tgt Ion: 85 Resp: 98207

Ion Ratio Lower Upper

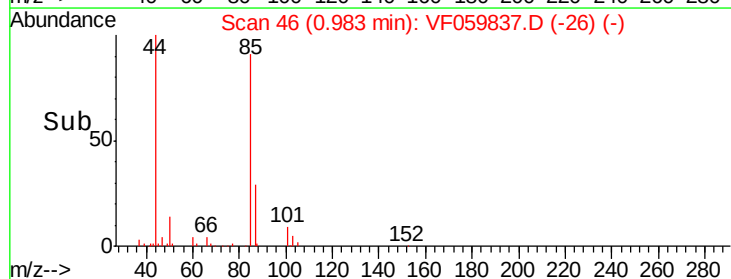
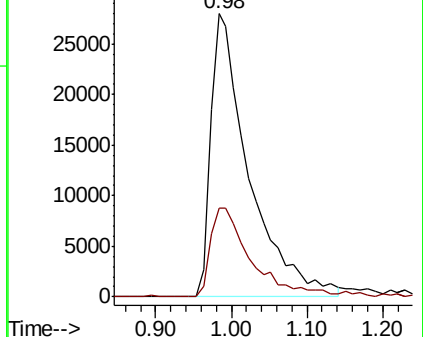
85 100

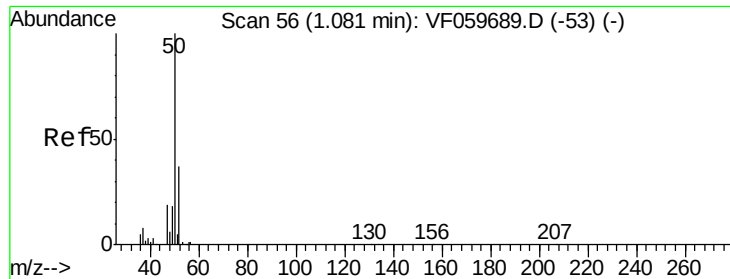
87 31.6 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 53.24 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 61196

Ion Ratio Lower Upper

50 100

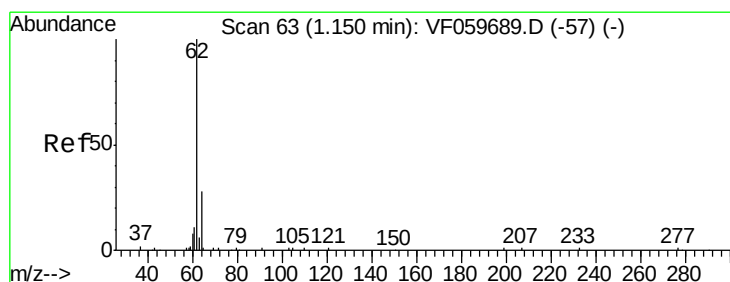
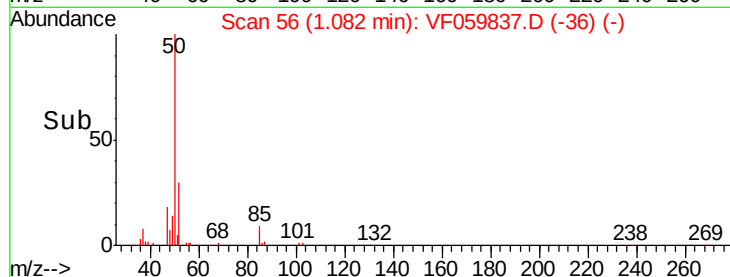
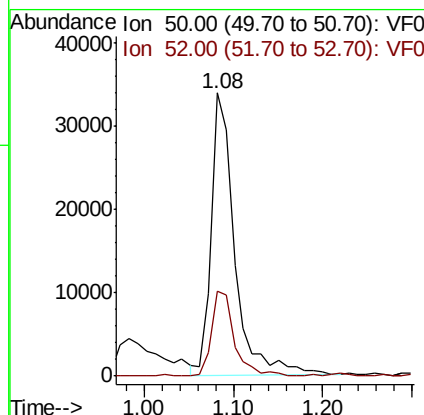
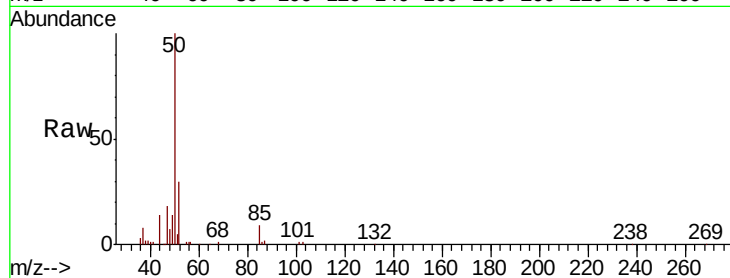
52 30.0 29.1 43.7

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#4

Vinyl Chloride

Concen: 52.13 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059837.D

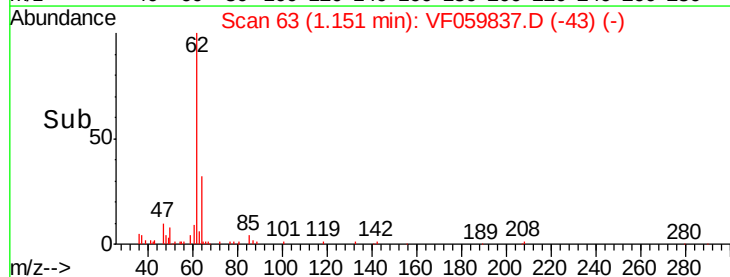
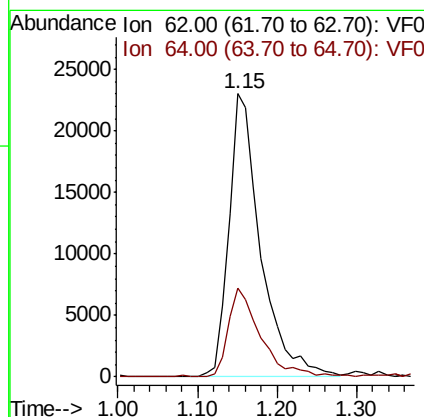
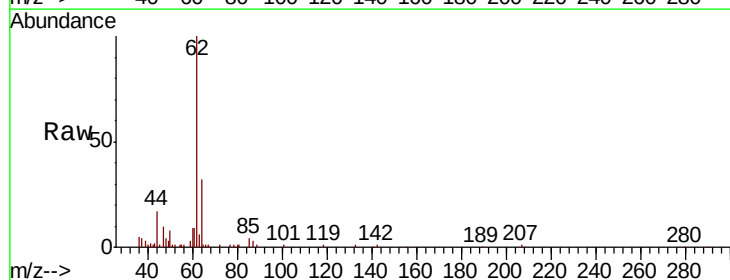
Acq: 3 Aug 2018 14:08

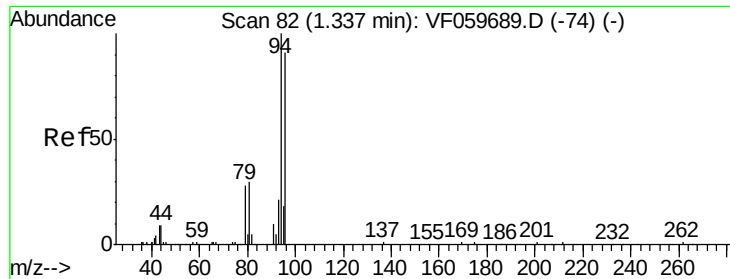
Tgt Ion: 62 Resp: 64176

Ion Ratio Lower Upper

62 100

64 31.6 22.6 33.8





#5

Bromomethane

Concen: 49.59 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 50300

Ion Ratio Lower Upper

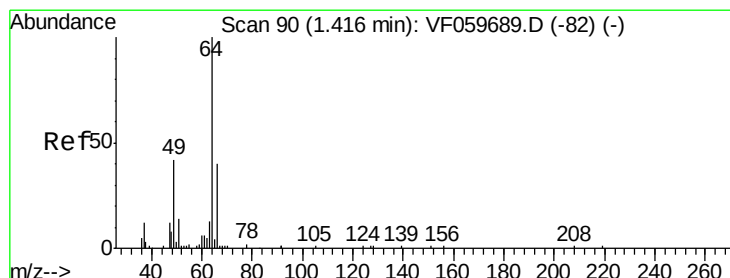
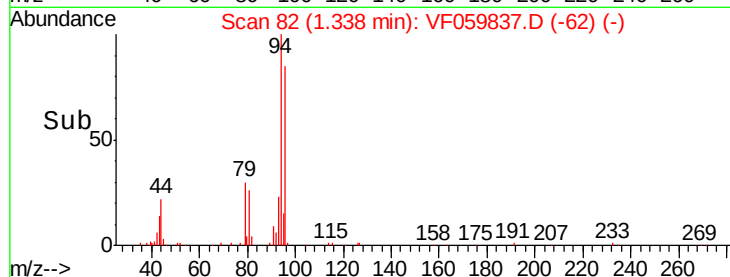
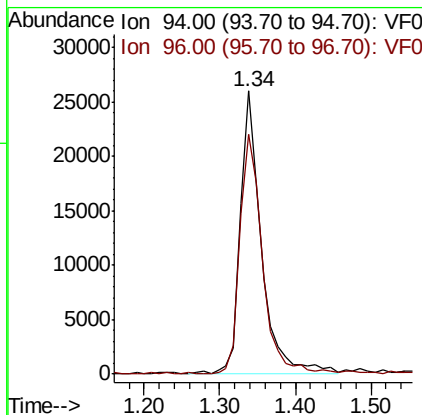
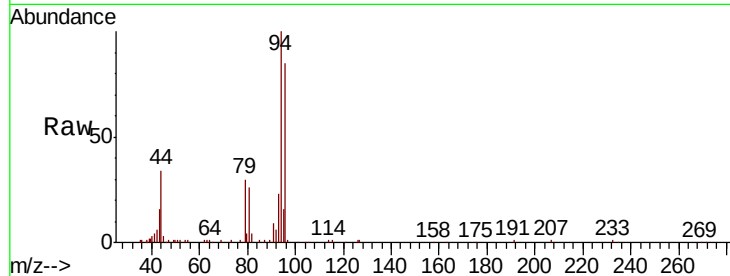
94 100

96 84.8 73.6 110.4

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#6

Chloroethane

Concen: 49.31 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059837.D

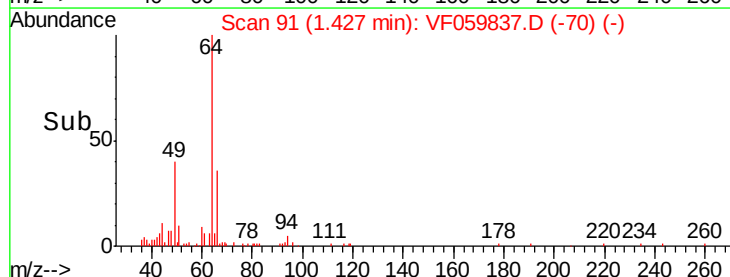
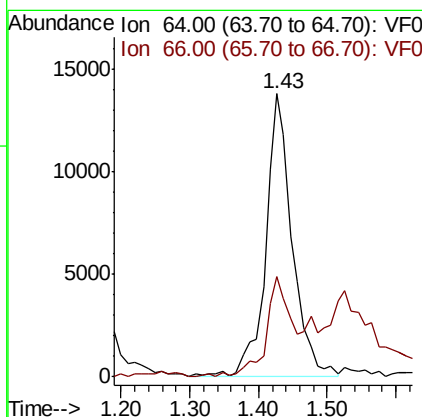
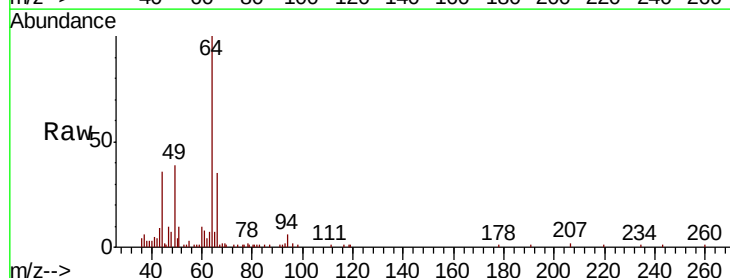
Acq: 3 Aug 2018 14:08

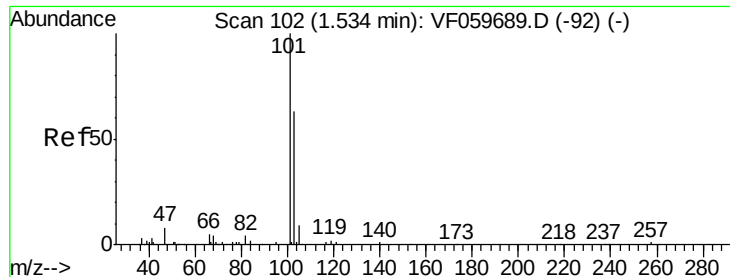
Tgt Ion: 64 Resp: 37081

Ion Ratio Lower Upper

64 100

66 35.3 32.6 49.0





#7

Trichlorofluoromethane
 Concen: 41.84 ug/l m
 RT: 1.54 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

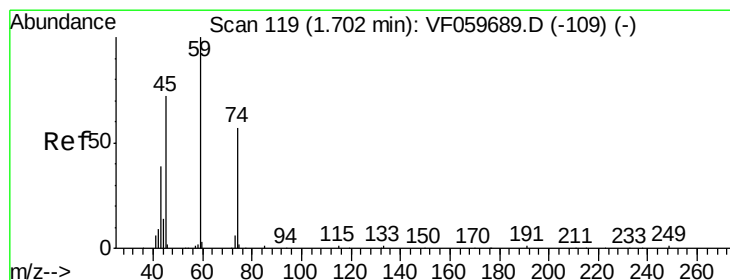
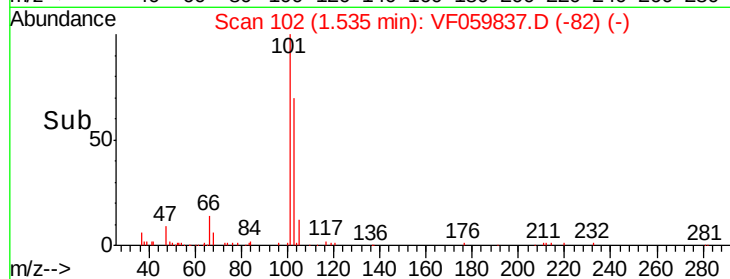
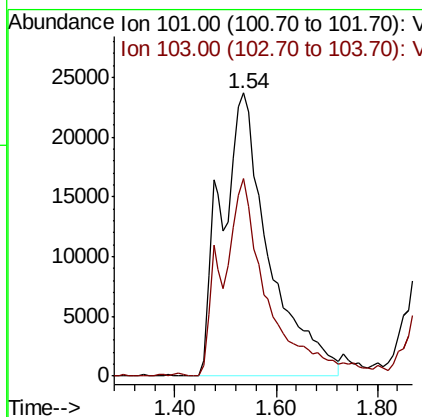
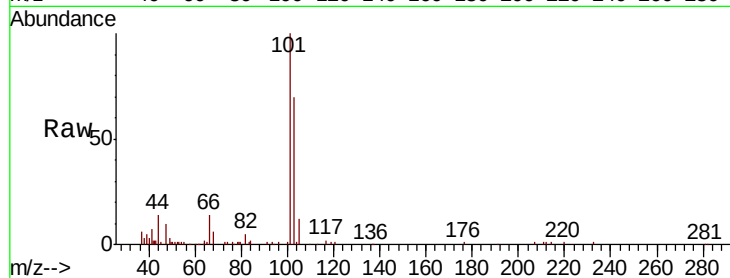
Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.8	50.8	76.2

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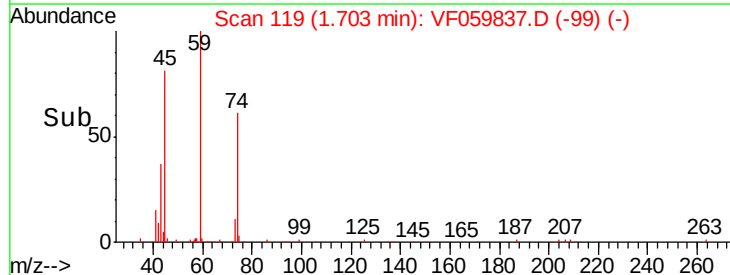
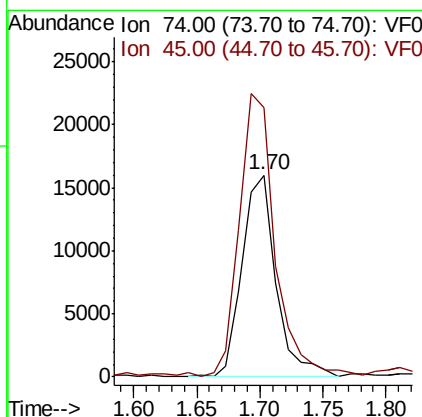
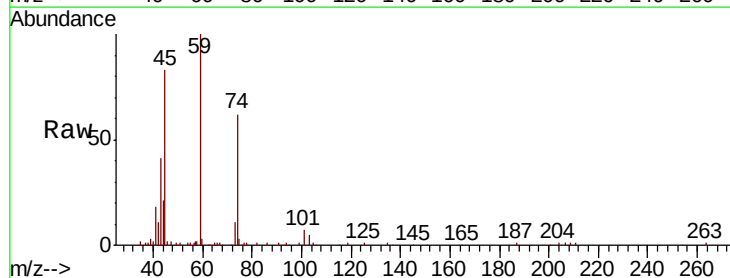
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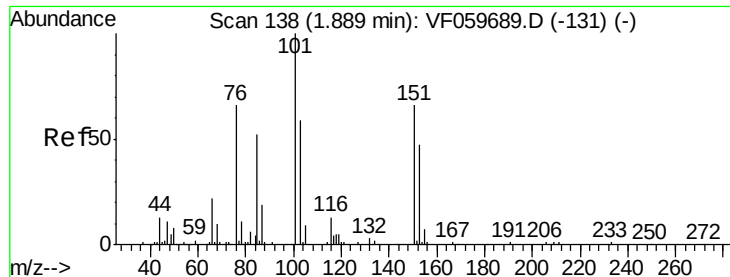


#8

Diethyl Ether
 Concen: 47.26 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	133.5	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.52 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059837.D

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ClientSampleId :

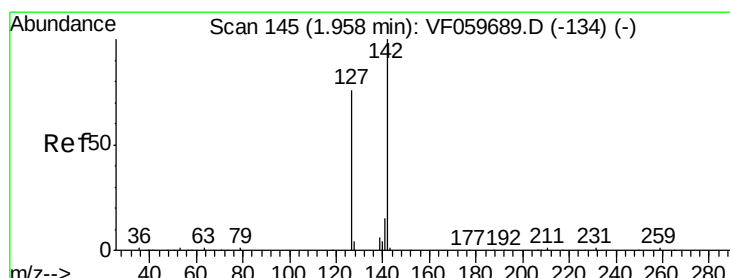
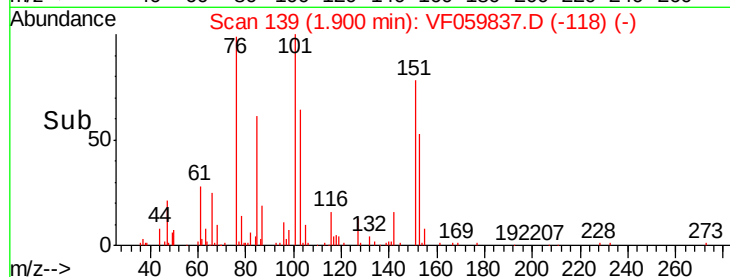
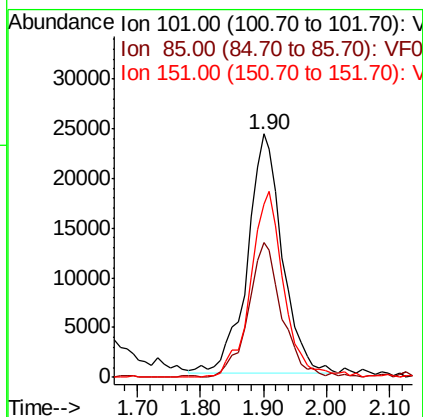
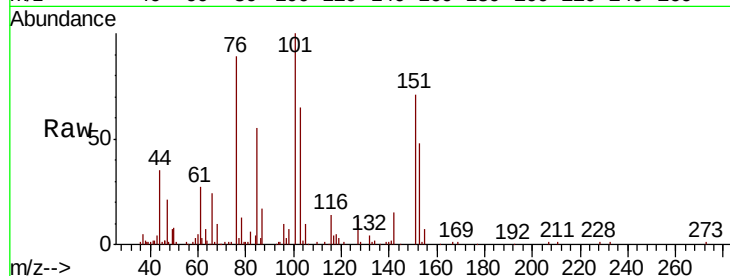
VSTDCCC050

Tot Ion:	101	Resp:	92554
Ion Ratio	Lower	Upper	
101	100		
85	55.4	40.7	61.1
151	71.0	51.4	77.2

Manual Integrations
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#10

Methyl Iodide

Concen: 51.77 ug/l m

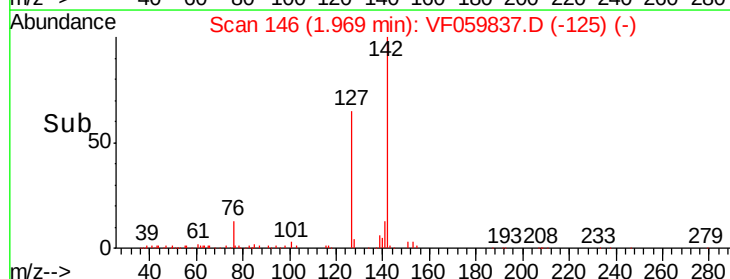
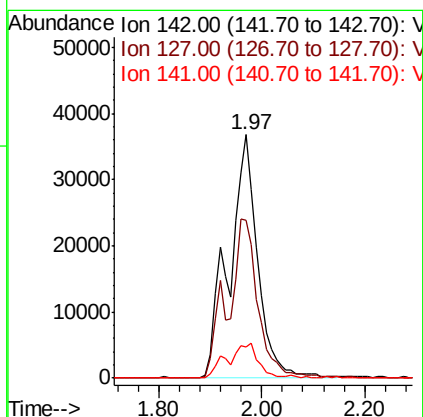
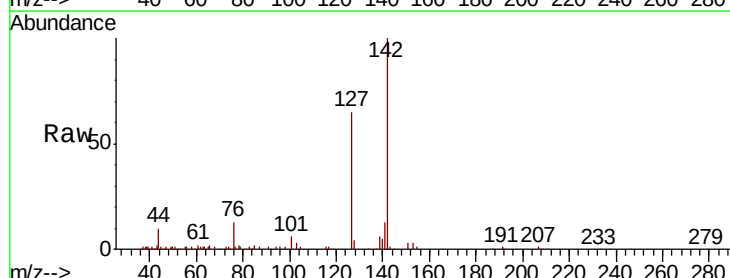
RT: 1.97 min Scan# 146

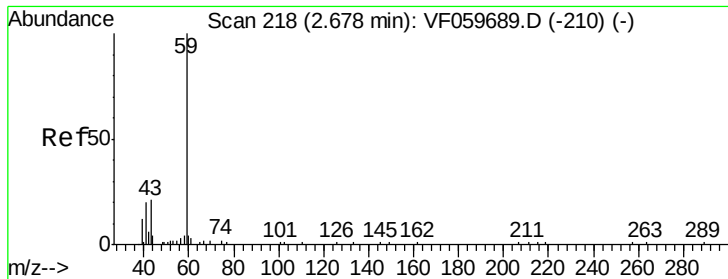
Delta R.T. 0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Tgt Ion:	142	Resp:	141654
Ion Ratio	Lower	Upper	
142	100		
127	65.0	60.6	91.0
141	12.9	12.0	18.0





#11
Tert butyl alcohol
Concen: 291.74 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

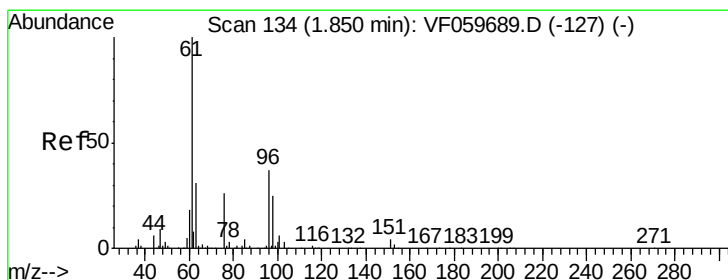
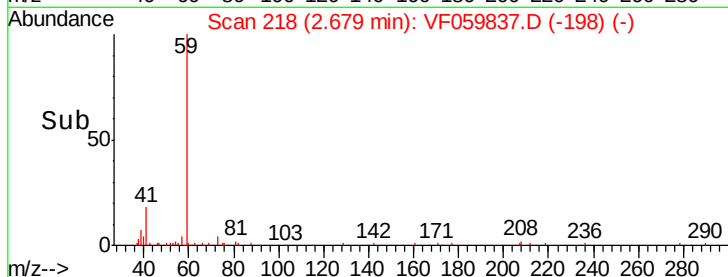
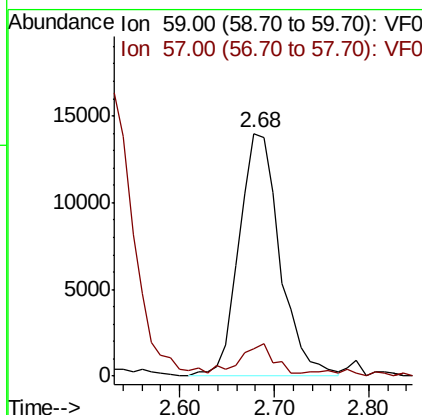
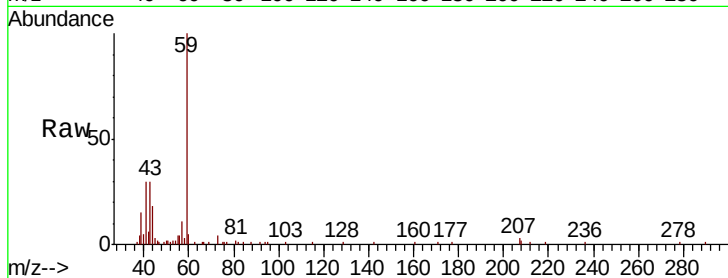
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.6	11.4

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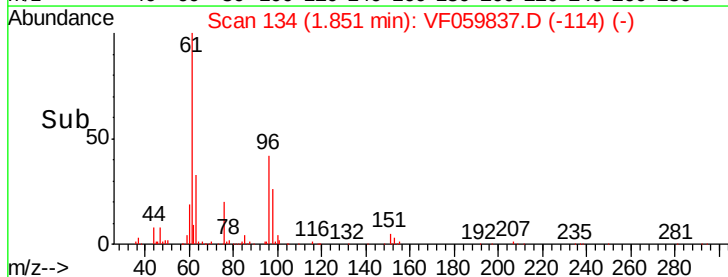
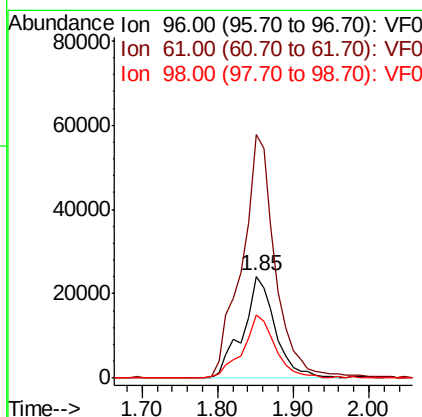
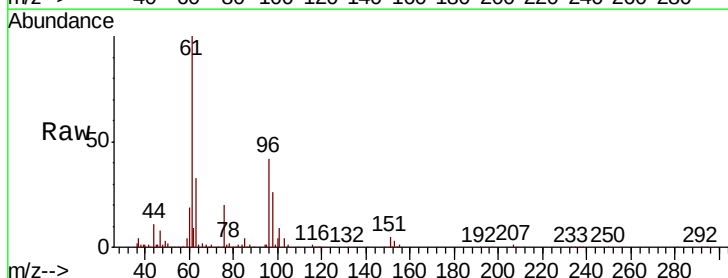
apatel

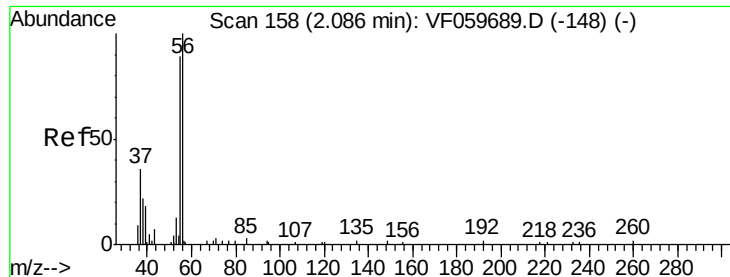
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#12
1,1-Dichloroethene
Concen: 46.26 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	239.7	215.1	322.7
98	62.0	54.3	81.5





#13

Acrolein

Concen: 325.80 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 25018

Ion Ratio Lower Upper

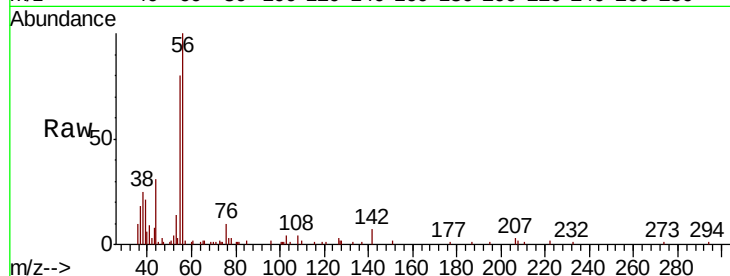
56 100

55 79.8 73.2 109.8

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

12000

10000

8000

6000

4000

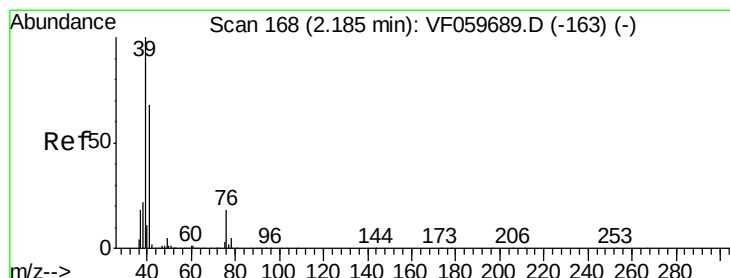
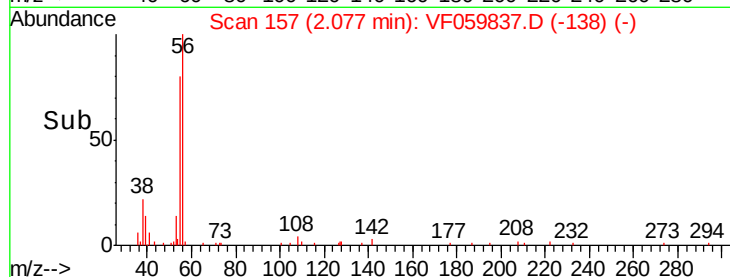
2000

0

2.08

2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 41.76 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

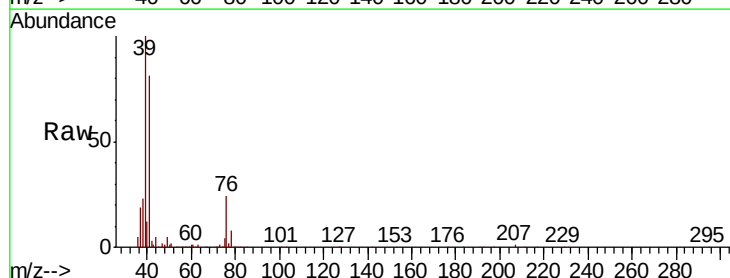
Tgt Ion: 41 Resp: 102831

Ion Ratio Lower Upper

41 100

39 124.2 118.1 177.1

76 30.2 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

80000

60000

40000

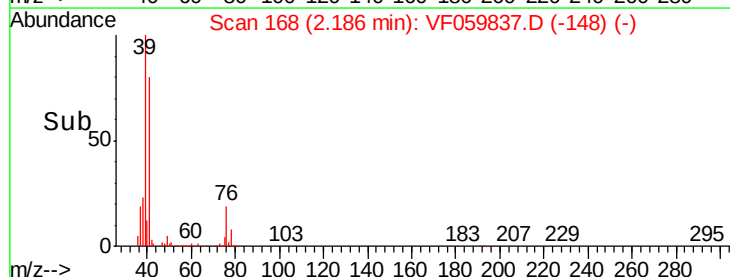
20000

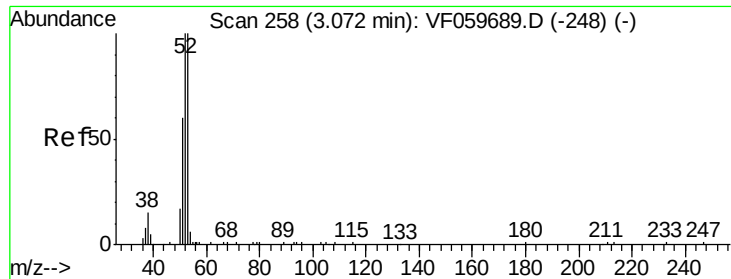
0

2.19

2.10 2.15 2.20 2.25

Time-->





#15

Acrylonitrile

Concen: 307.64 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

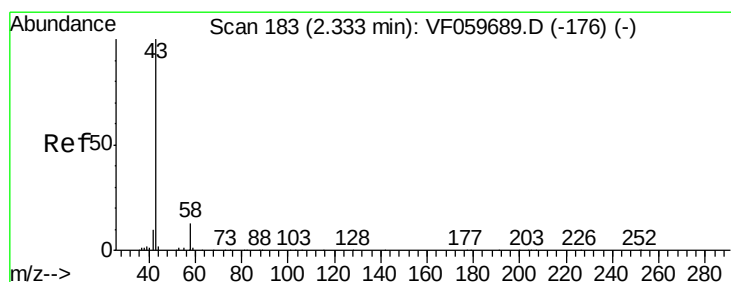
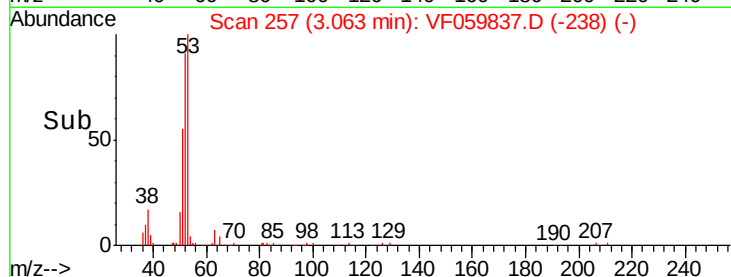
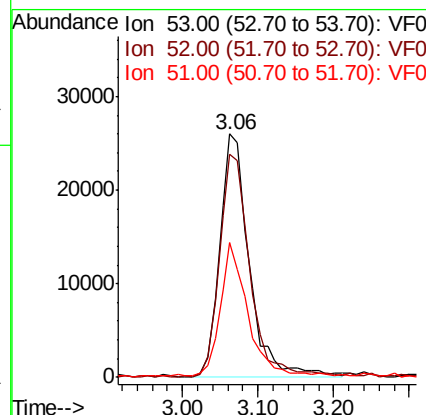
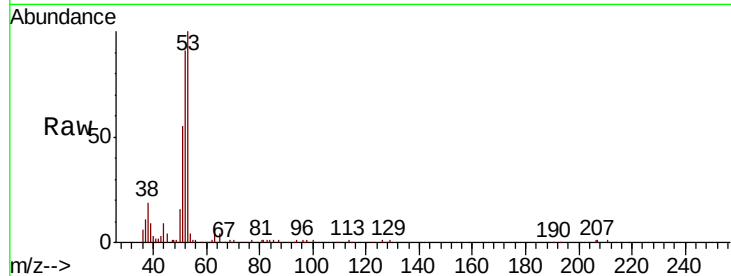
VSTDCCC050

Tot Ion:	53	Resp:	71139
Ion	Ratio	Lower	Upper
53	100		
52	91.5	80.3	120.5
51	55.4	49.4	74.0

Manual Integrations
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#16

Acetone

Concen: 294.40 ug/l

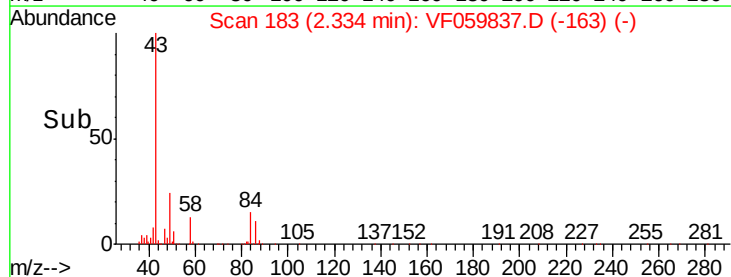
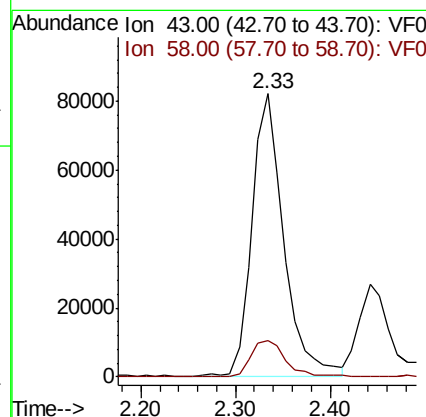
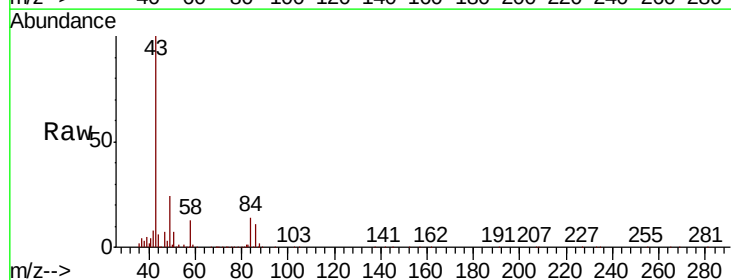
RT: 2.33 min Scan# 183

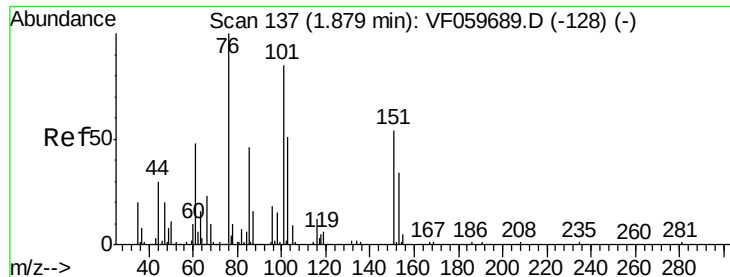
Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Tgt Ion:	43	Resp:	189511
Ion	Ratio	Lower	Upper
43	100		
58	12.9	10.1	15.1





#17

Carbon Disulfide

Concen: 49.10 ug/l m

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 155167

Ion Ratio Lower Upper

76 100

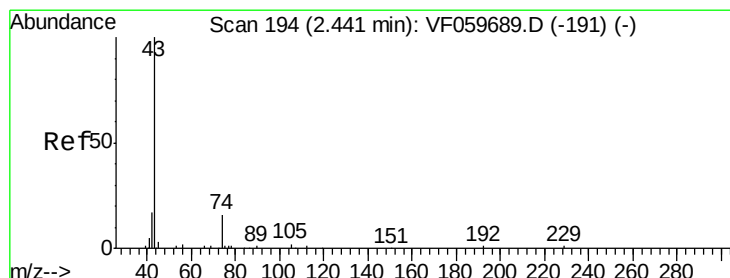
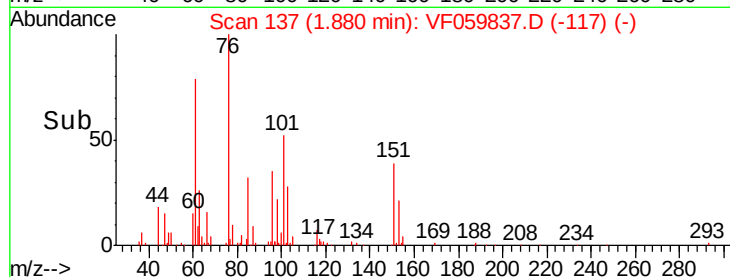
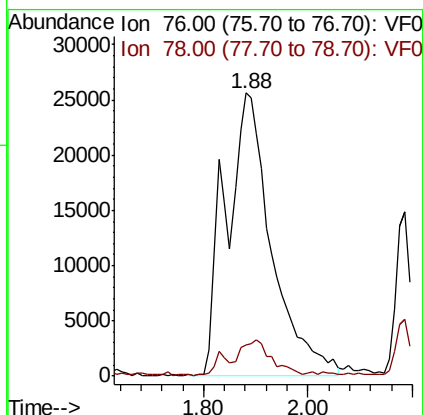
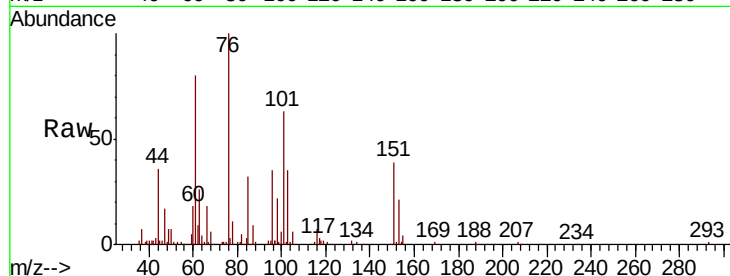
78 11.1 8.9 13.3

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#18

Methyl Acetate

Concen: 55.03 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059837.D

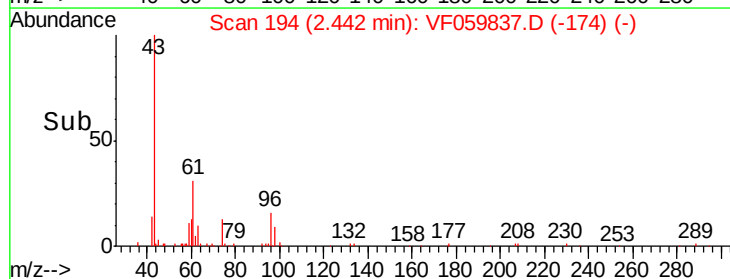
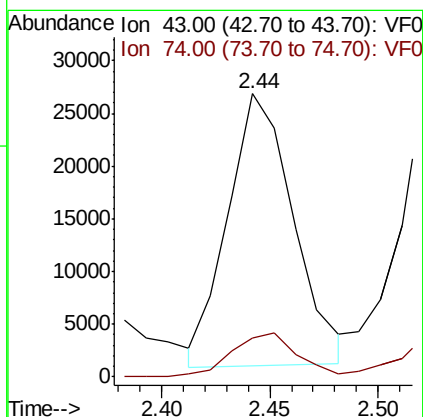
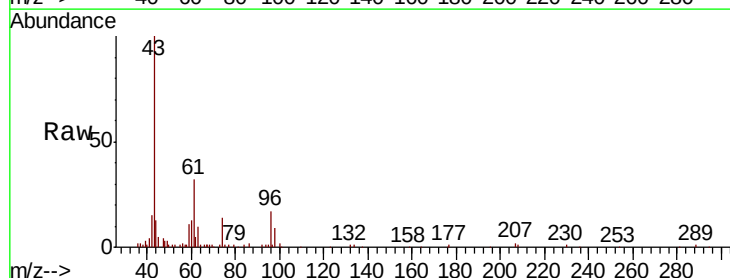
Acq: 3 Aug 2018 14:08

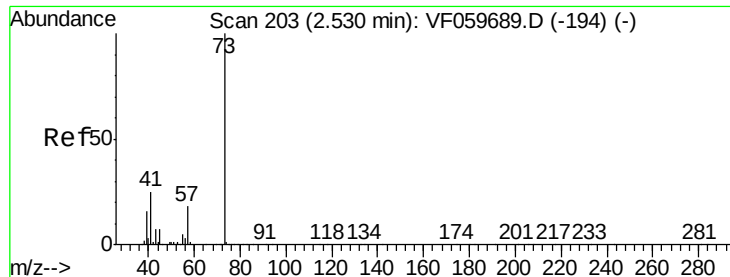
Tgt Ion: 43 Resp: 54488

Ion Ratio Lower Upper

43 100

74 13.9 11.8 17.6





#19
Methyl tert-butyl Ether
Concen: 51.39 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

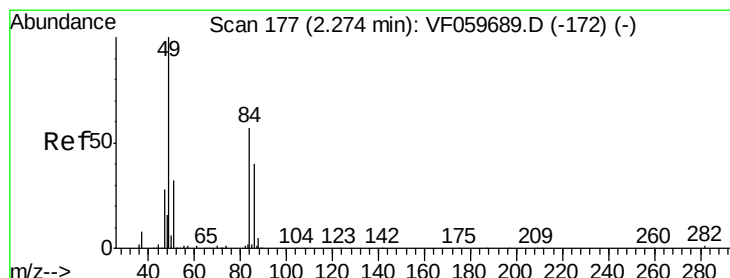
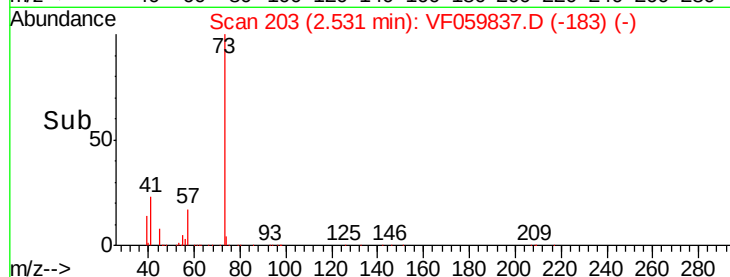
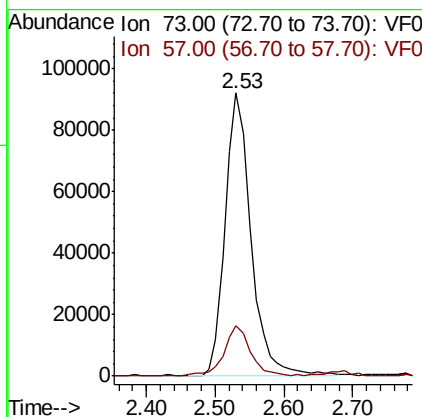
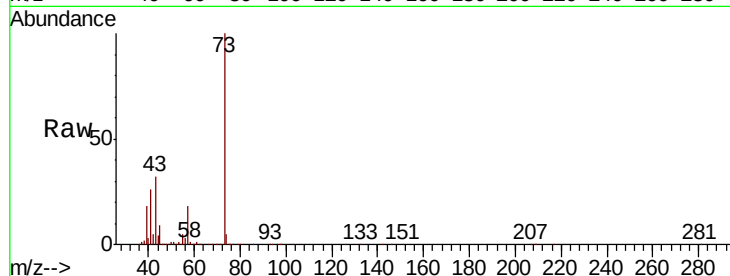
Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.7	14.2	21.2

Manual Integrations
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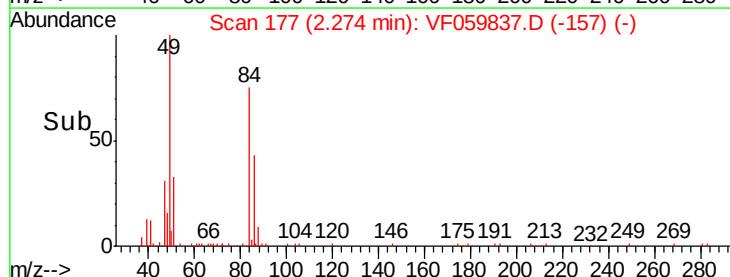
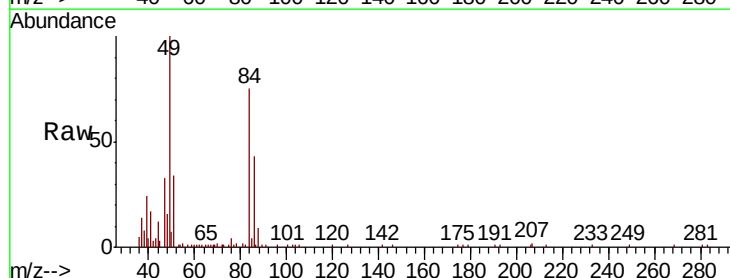
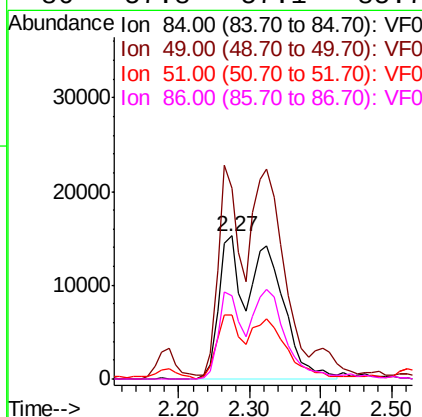
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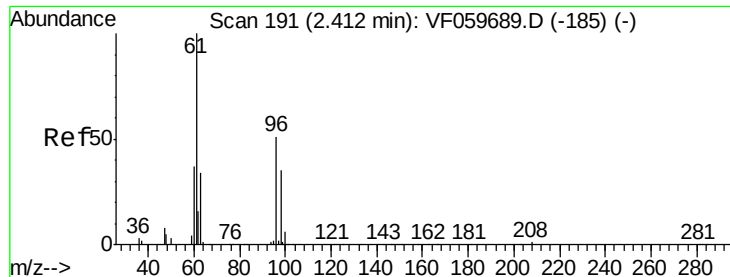
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#20
Methylene Chloride
Concen: 55.78 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.2	142.2	213.4#
51	45.0	46.2	69.2#
86	57.8	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 51.79 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

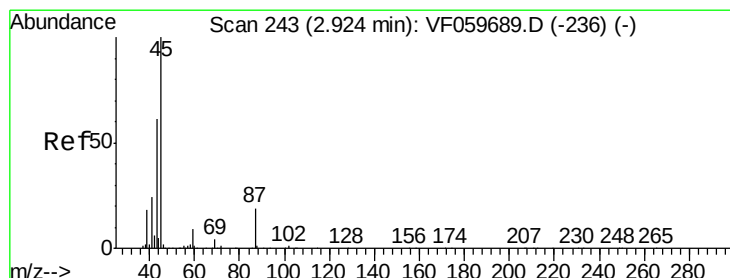
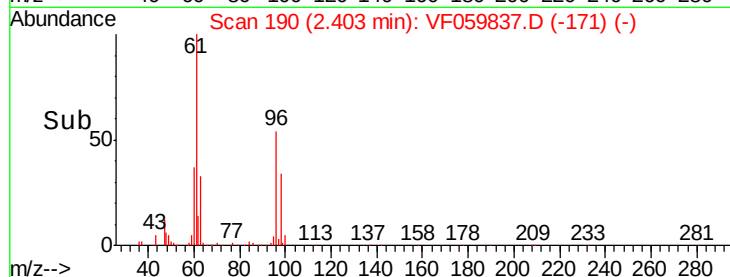
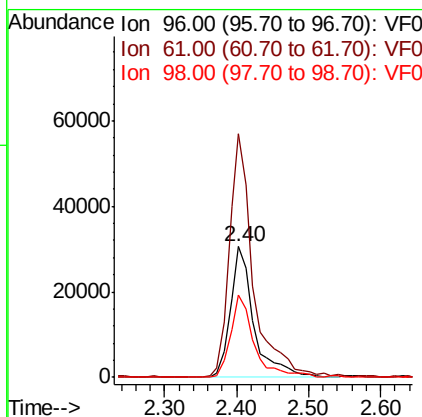
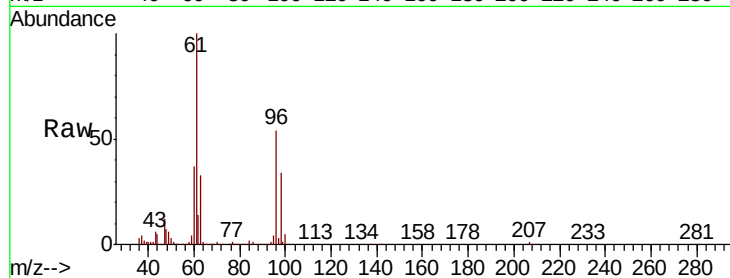
VSTDCCC050

Tot Ion:	96	Resp:	69792
Ion Ratio	Lower	Upper	
96	100		
61	186.4	157.4	236.0
98	62.7	55.0	82.4

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#22

Diisopropyl ether

Concen: 50.85 ug/l

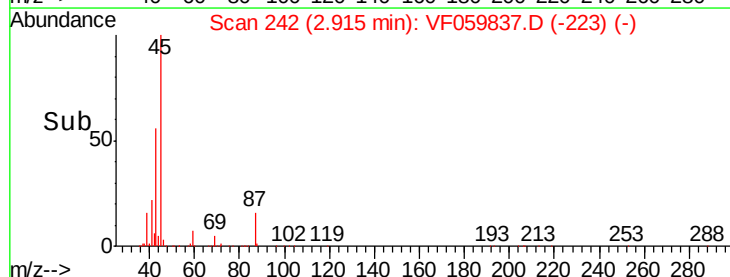
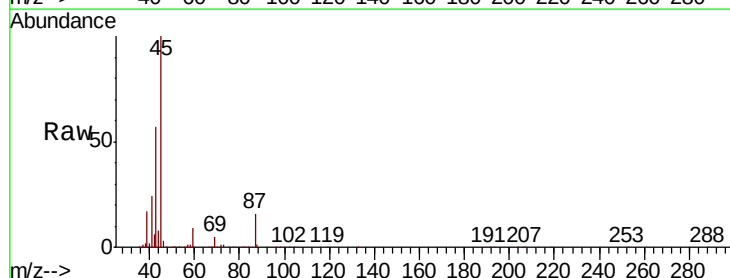
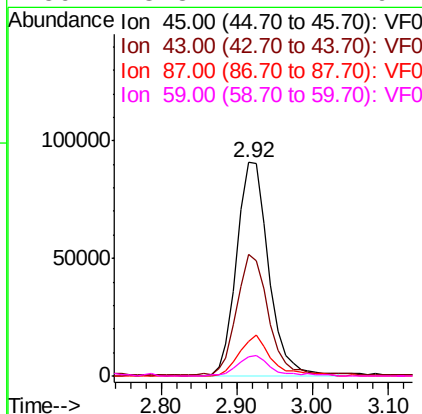
RT: 2.92 min Scan# 242

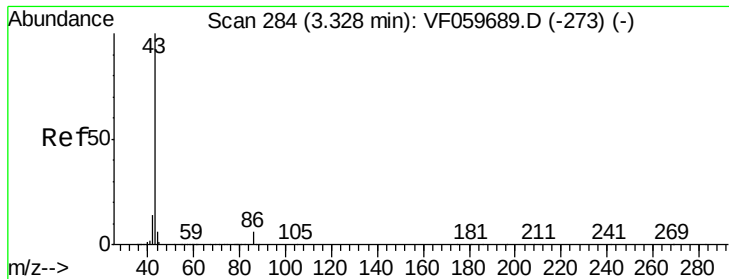
Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Tgt Ion:	45	Resp:	264744
Ion Ratio	Lower	Upper	
45	100		
43	56.9	49.3	73.9
87	16.4	15.3	22.9
59	8.8	7.1	10.7





#23

Vinyl Acetate

Concen: 294.66 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 788772

Ion Ratio Lower Upper

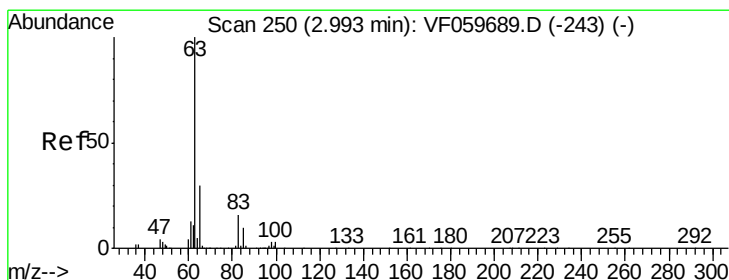
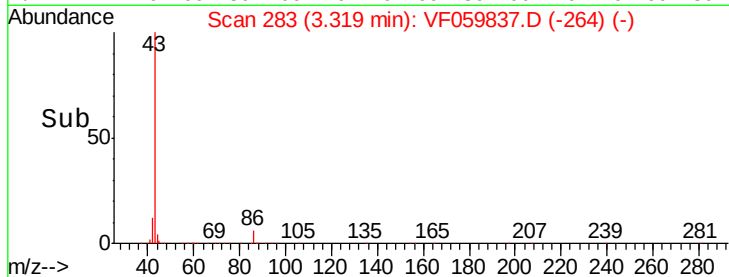
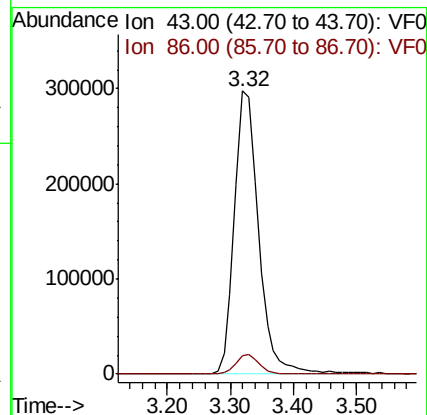
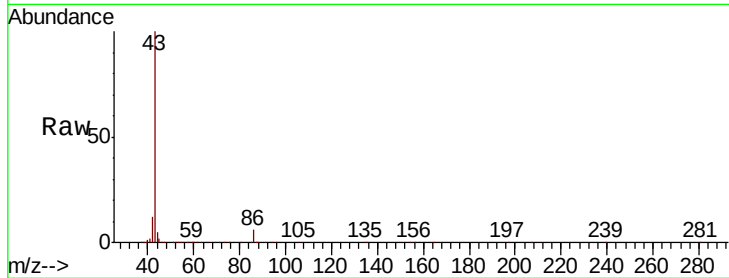
43 100

86 6.3 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 47.80 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

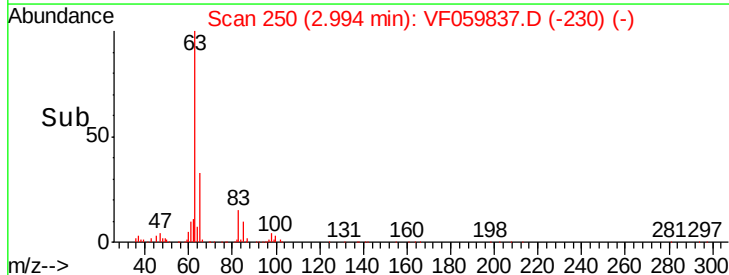
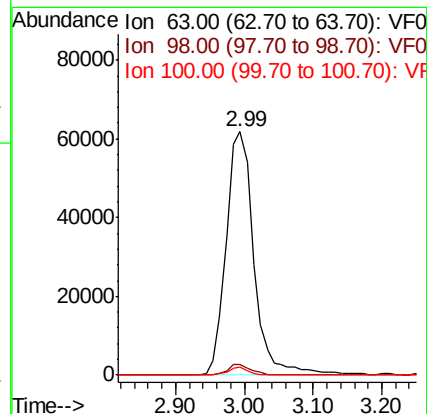
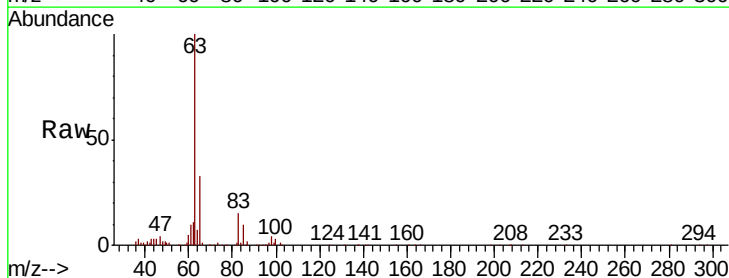
Tgt Ion: 63 Resp: 172911

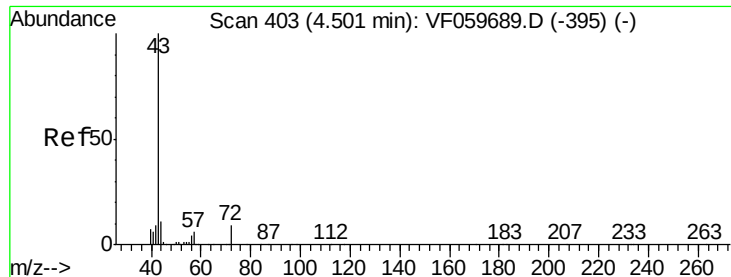
Ion Ratio Lower Upper

63 100

98 4.4 1.4 4.2#

100 3.3 1.6 4.7





#25
2-Butanone
Concen: 273.09 ug/l
RT: 4.50 min Scan# 403
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

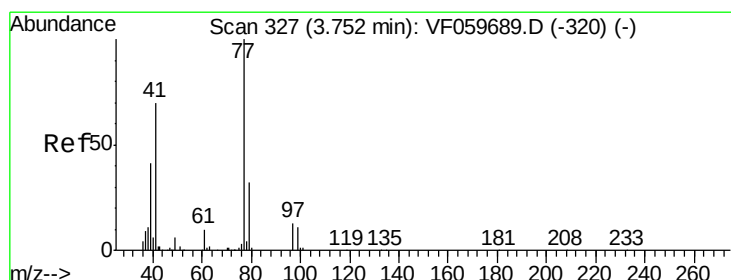
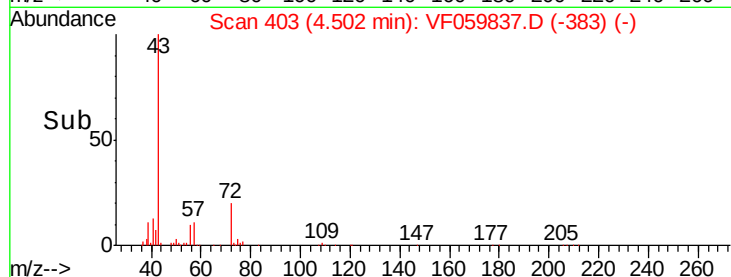
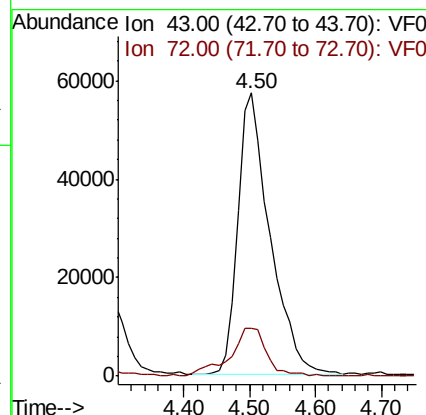
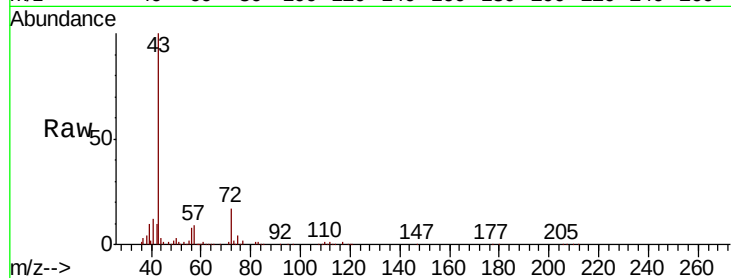
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	17.1	7.7	11.5#

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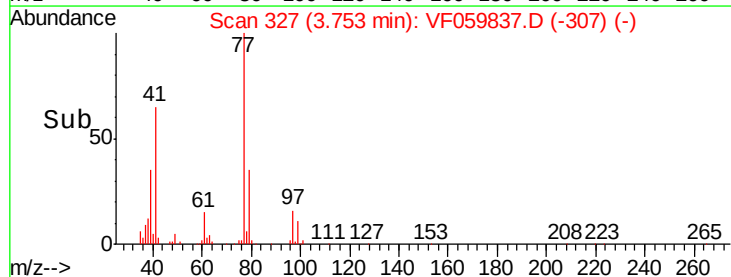
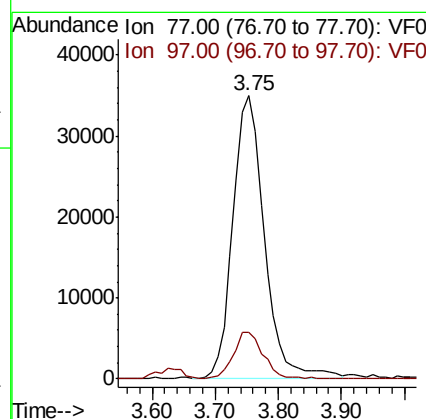
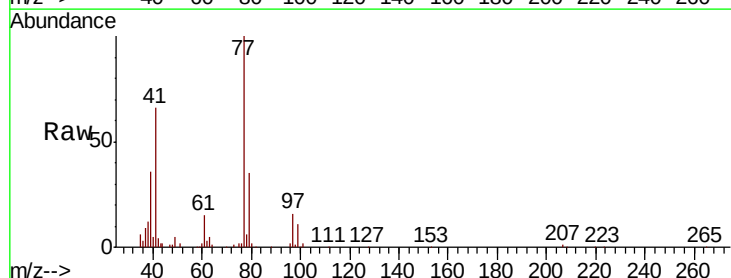
apatel

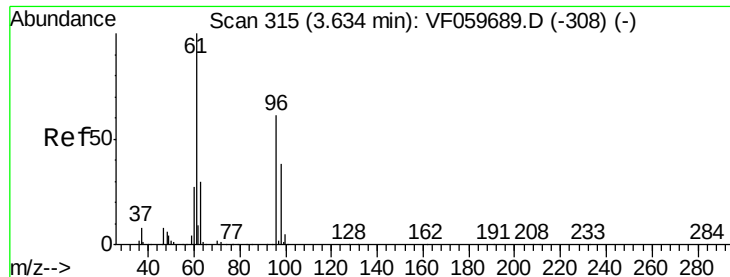
8/6/2018 10:04:38 AM



#26
2,2-Dichloropropane
Concen: 47.30 ug/l
RT: 3.75 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
77	100		
97	16.4	6.8	20.4





#27

cis-1,2-Dichloroethene
Concen: 49.25 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

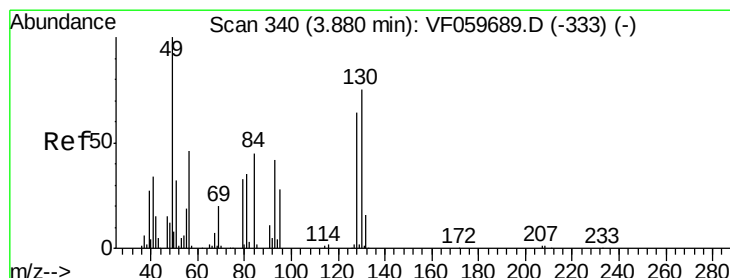
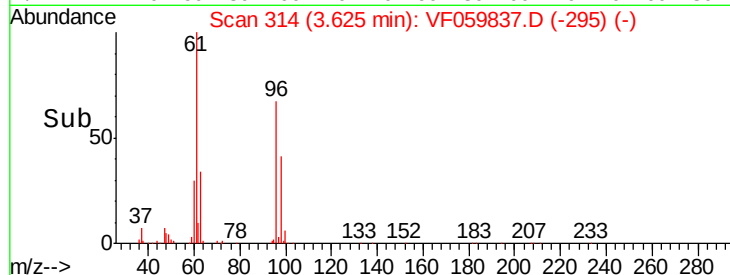
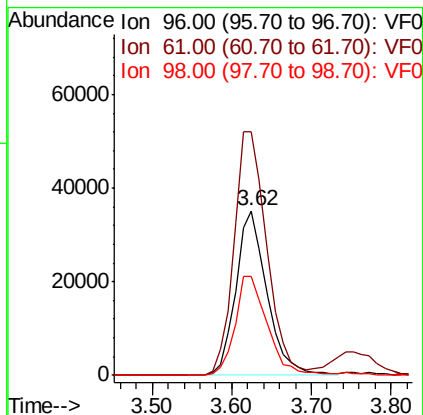
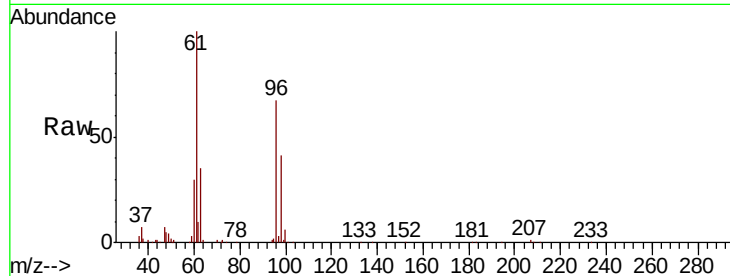
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	326.8
98	60.5	0.0	125.2

Manual Integrations
APPROVED

apatel

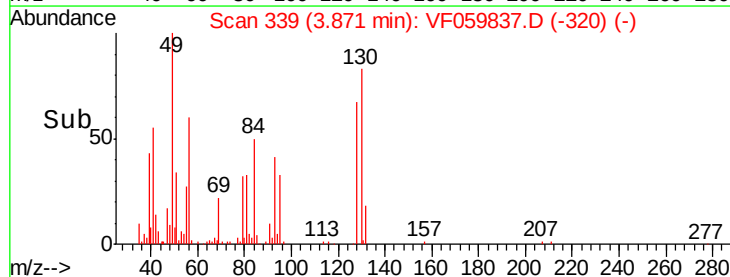
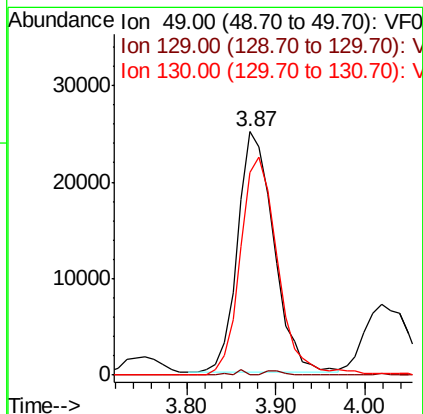
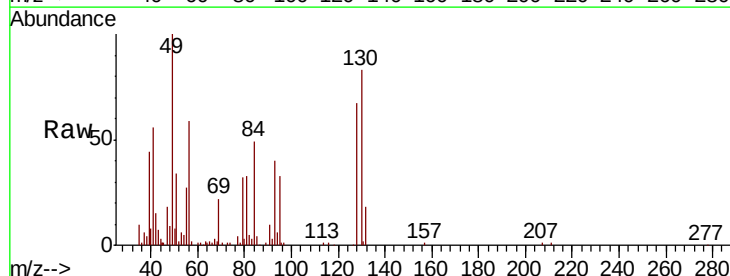
8/6/2018 10:04:38 AM

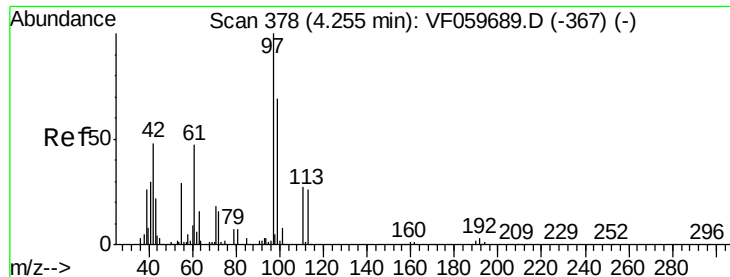


#28

Bromochloromethane
Concen: 56.85 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	83.1	59.6	89.4





#29
Tetrahydrofuran
Concen: 294.63 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

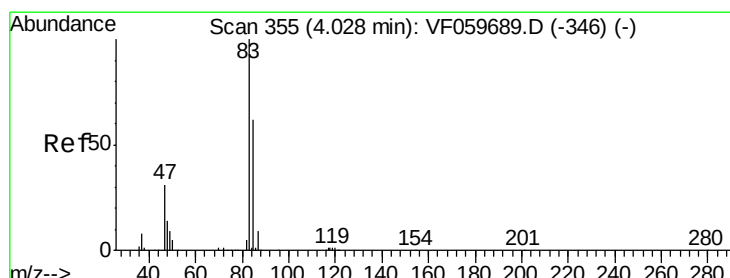
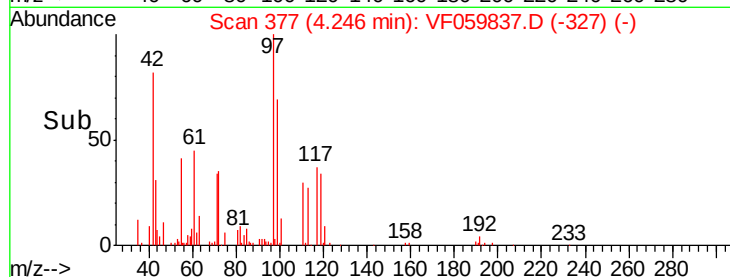
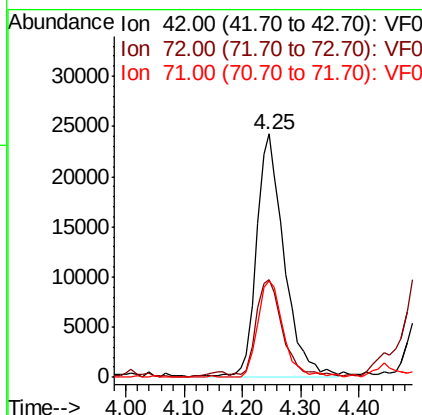
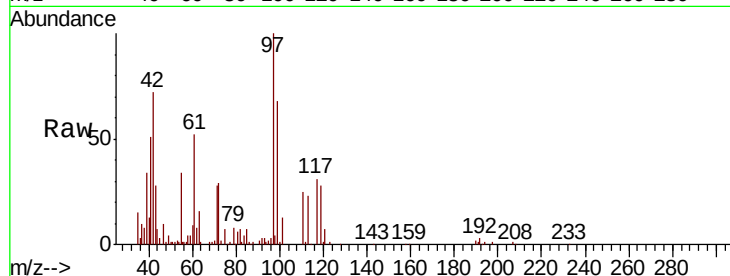
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	81351
Ion Ratio	Lower	Upper	
42	100		
72	38.6	27.0	40.6
71	37.0	29.7	44.5

Manual Integrations
APPROVED

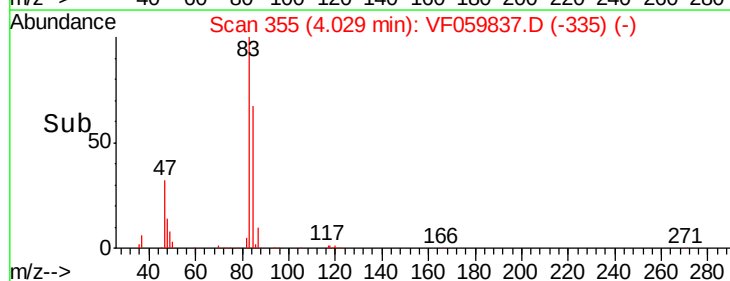
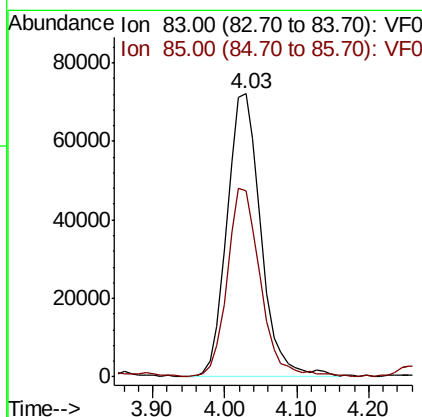
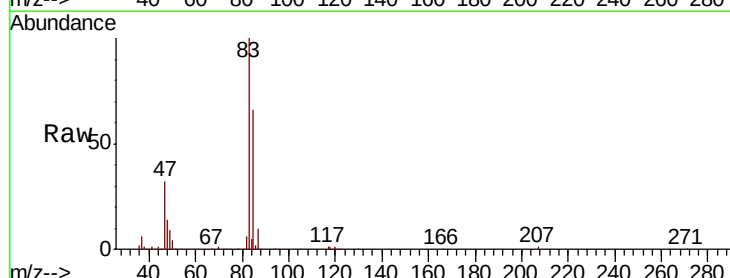
apatel

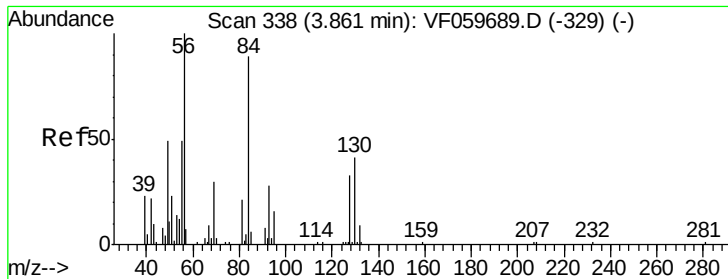
8/6/2018 10:04:38 AM



#30
Chloroform
Concen: 46.25 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion:	83	Resp:	236142
Ion Ratio	Lower	Upper	
83	100		
85	66.0	49.4	74.0





#31
Cyclohexane
Concen: 55.58 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

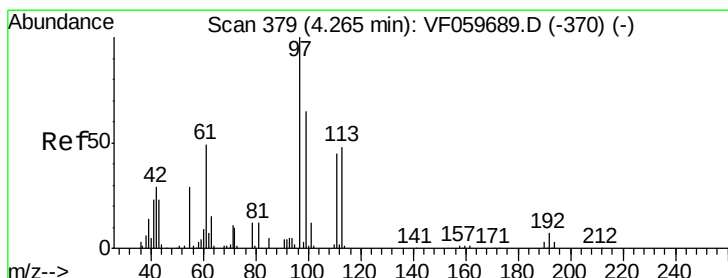
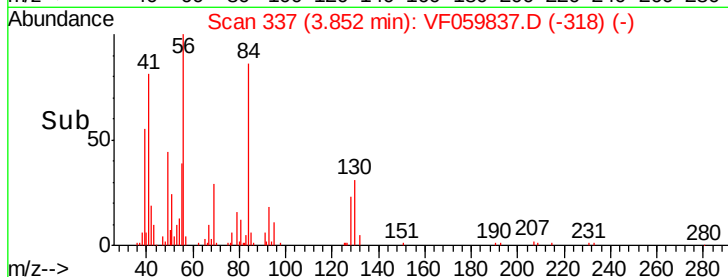
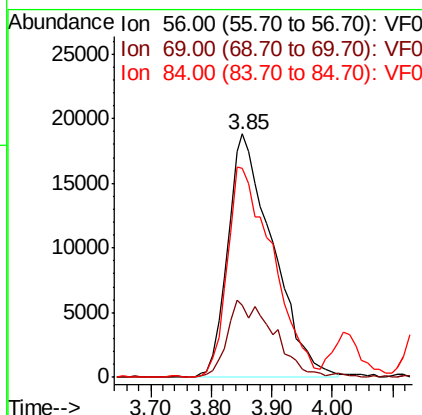
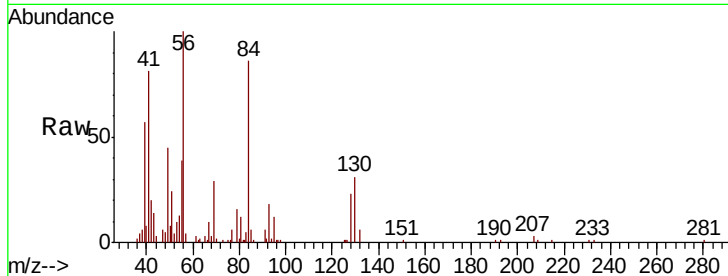
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	96634
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	85.7	71.1	106.7

Manual Integrations
APPROVED

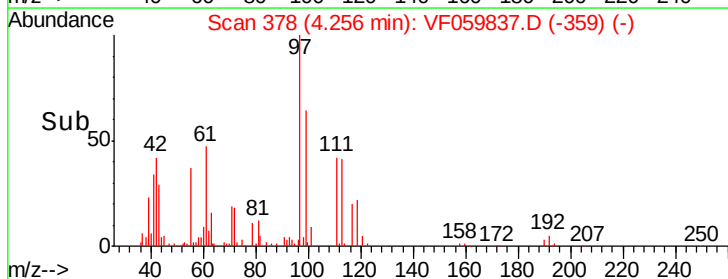
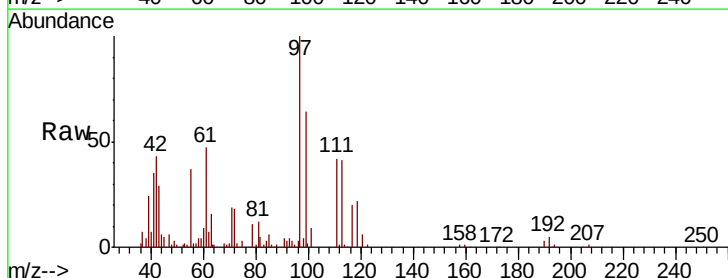
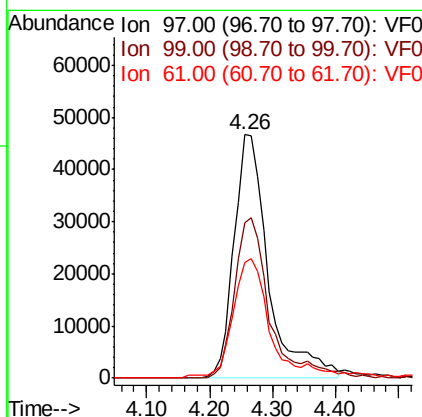
apatel

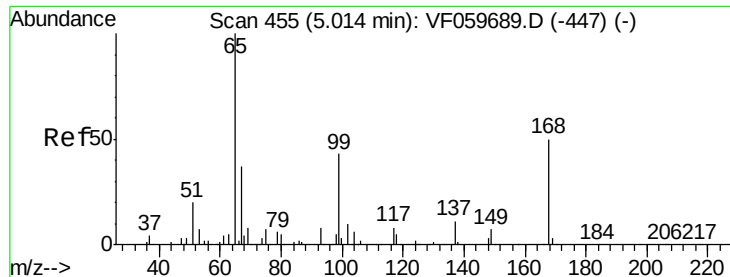
8/6/2018 10:04:38 AM



#32
1,1,1-Trichloroethane
Concen: 44.75 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	97	Resp	177226
Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.4	78.6
61	47.3	39.7	59.5





#33
 1,2-Dichloroethane-d4
 Concen: 46.62 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

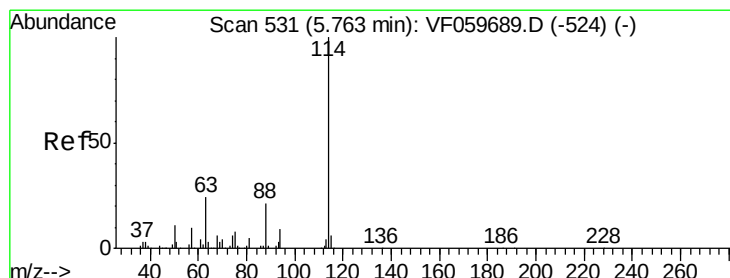
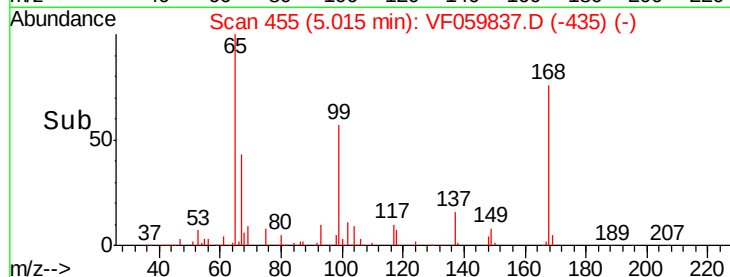
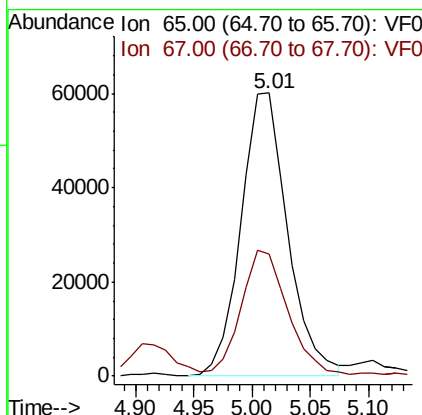
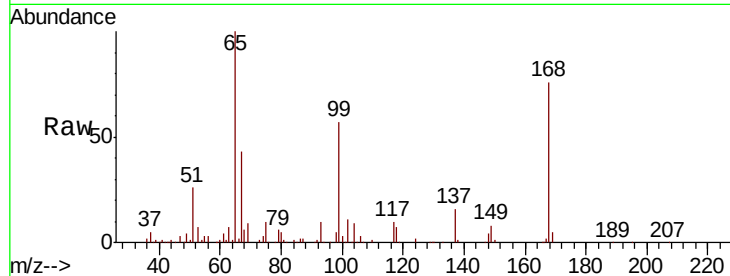
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166838		
67	43.2	0.0	84.6	

Manual Integrations
 APPROVED

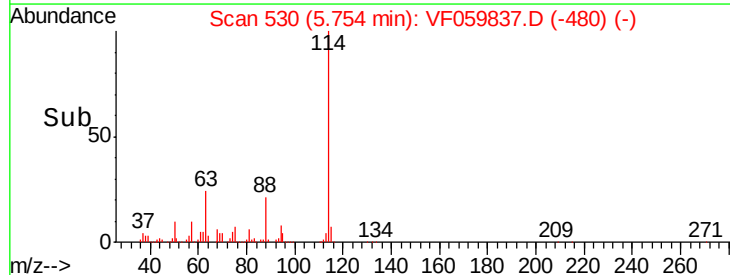
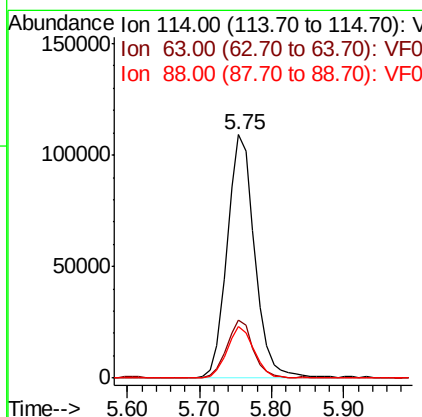
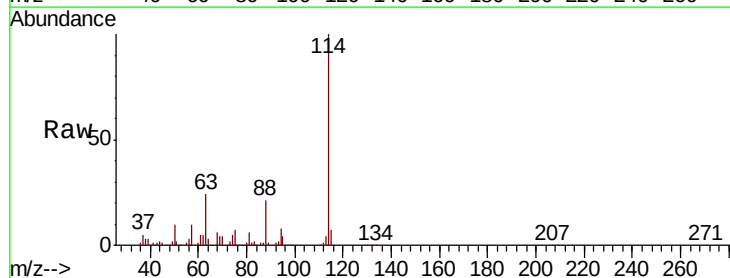
apatel

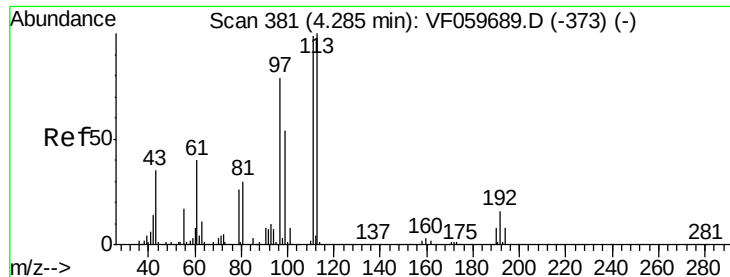
8/6/2018 10:04:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	290291		
63	23.6	0.0	47.4	
88	21.3	0.0	41.2	





#35
 Dibromofluoromethane
 Concen: 47.46 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

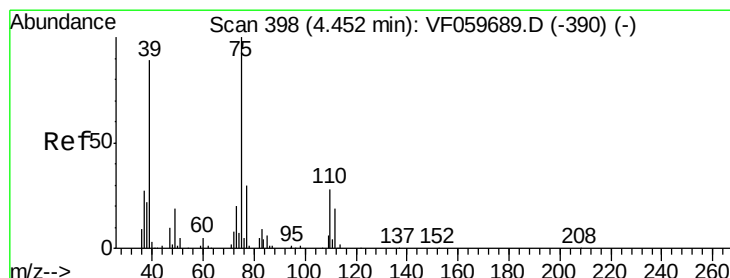
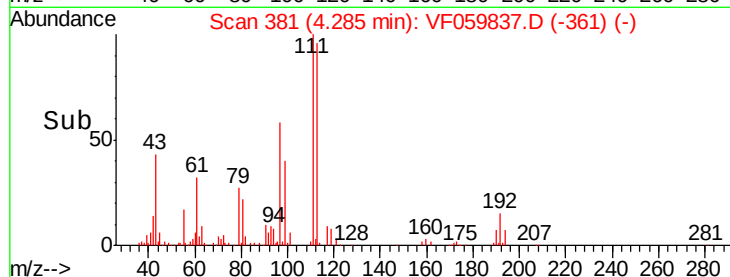
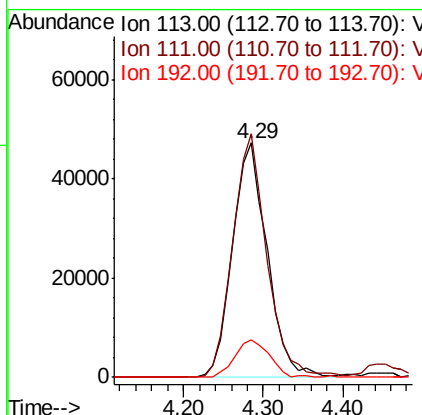
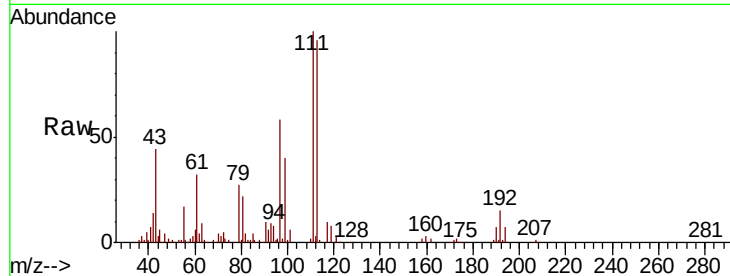
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	79.0	118.4
192	15.8	13.2	19.8

Manual Integrations
 APPROVED

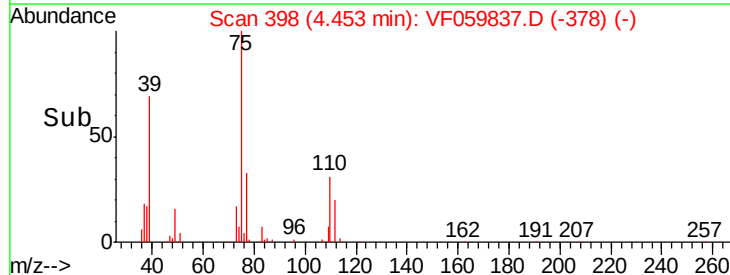
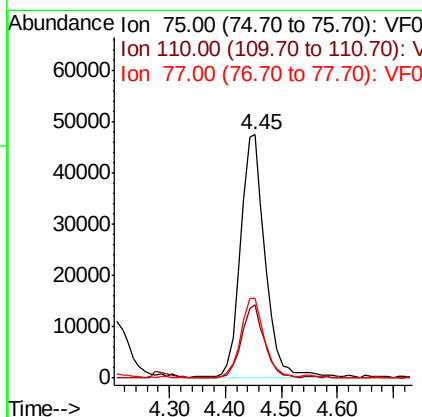
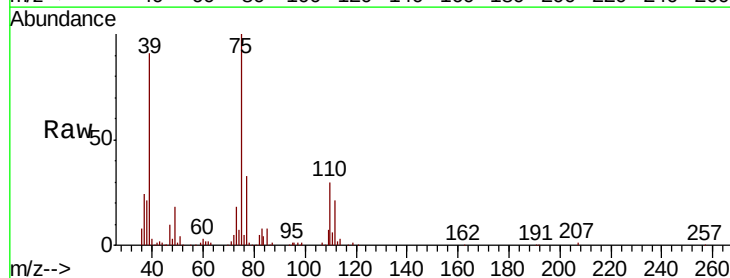
apatel

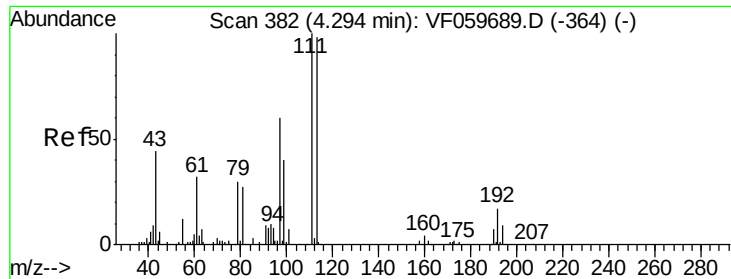
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#36
 1,1-Dichloropropene
 Concen: 48.67 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.2	14.0	41.9
77	32.6	24.2	36.2





#37
Ethyl Acetate
Concen: 61.33 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

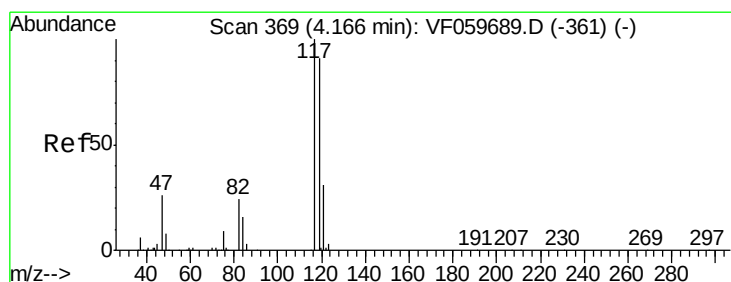
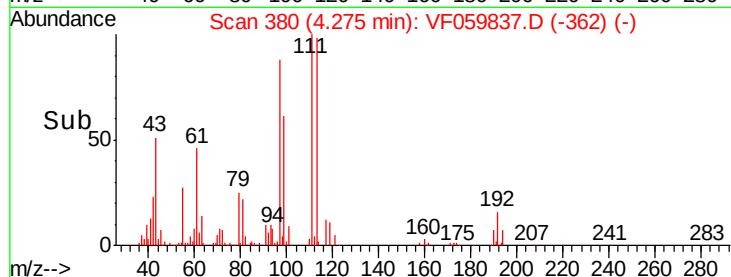
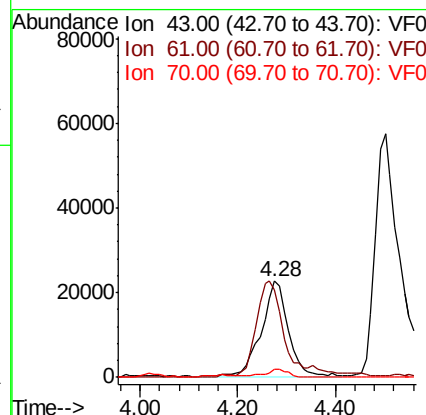
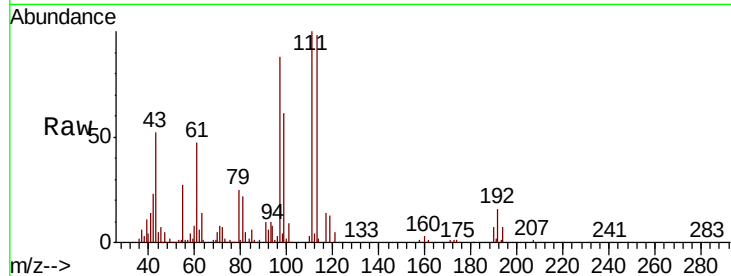
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	87319					
Ion	43	61	70	100	90.6	8.8
Ratio					58.2	6.0
Lower						
Upper					87.2#	9.0

Manual Integrations
APPROVED

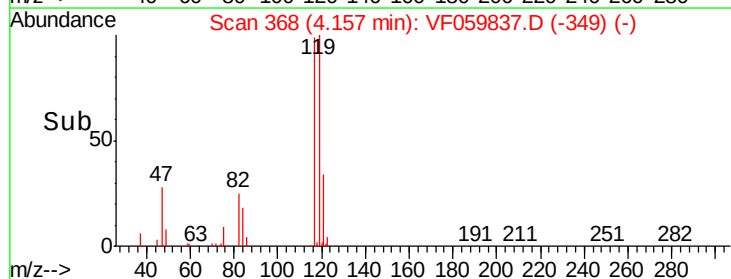
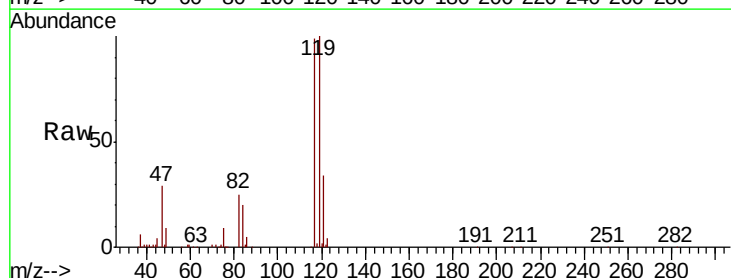
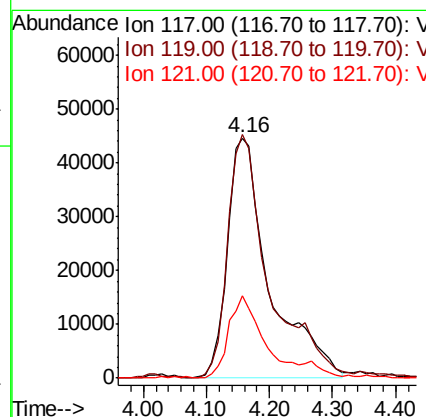
apatel

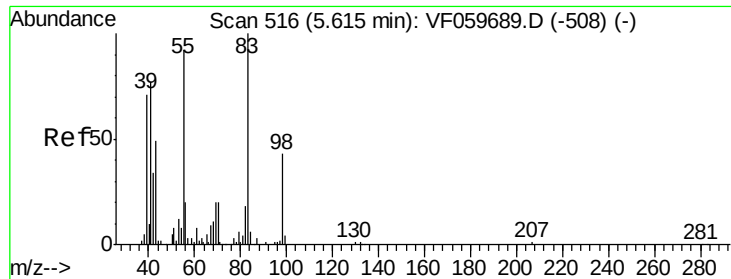
8/6/2018 10:04:38 AM



#38
Carbon Tetrachloride
Concen: 44.90 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	207235					
Ion	117	119	121	100	101.4	34.4
Ratio					72.9	25.0
Lower						
Upper					109.3	37.4





#39
Methylvlcyclohexane
Concen: 67.64 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

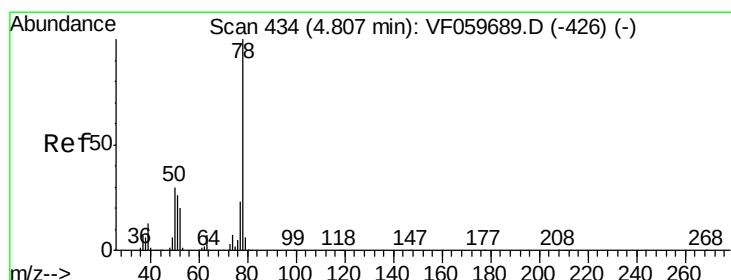
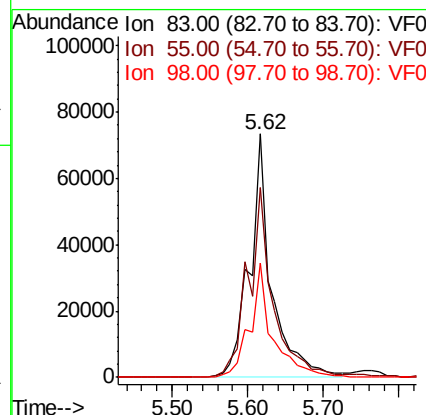
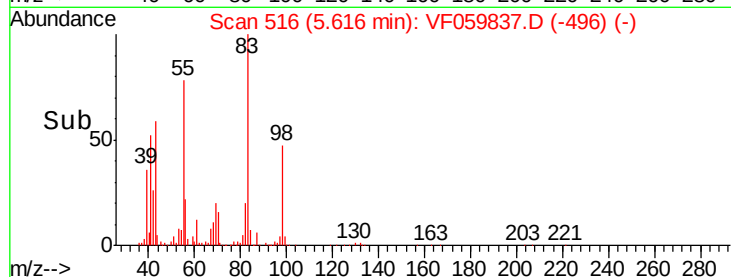
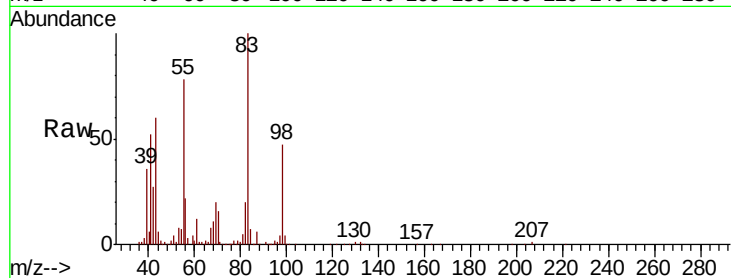
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	73.4	110.2
98	47.1	34.2	51.4

Manual Integrations
APPROVED

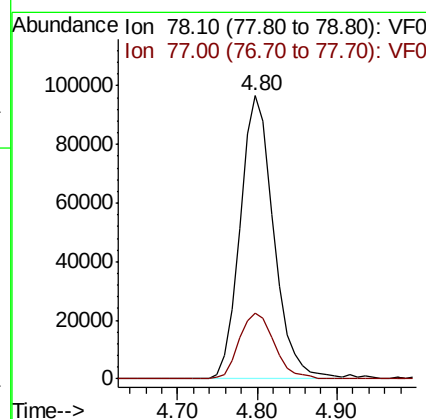
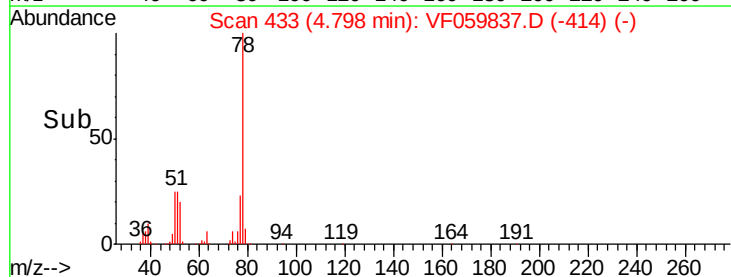
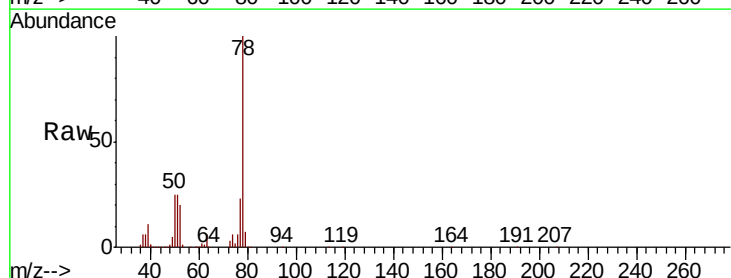
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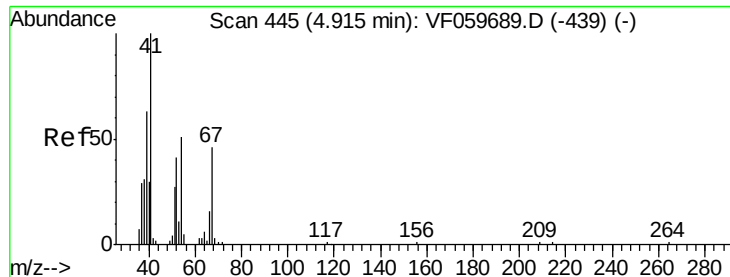
8/6/2018 10:04:38 AM



#40
Benzene
Concen: 48.03 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





#41
Methacrylonitrile
Concen: 55.64 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

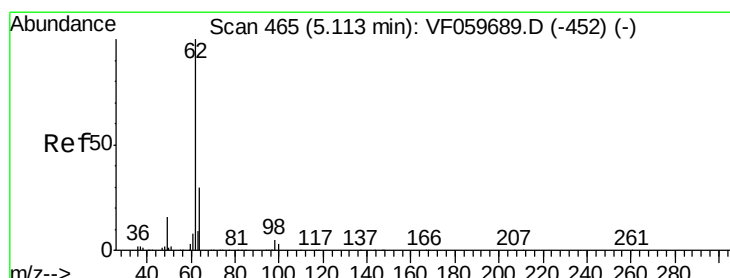
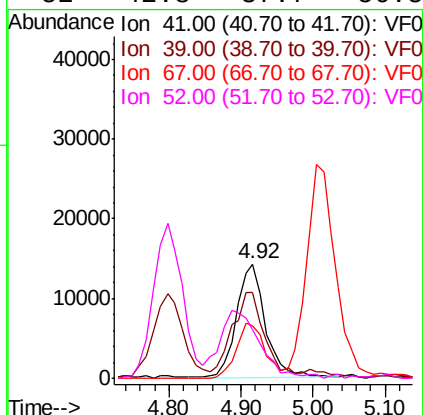
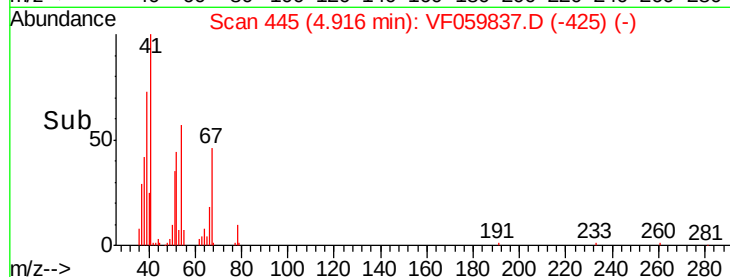
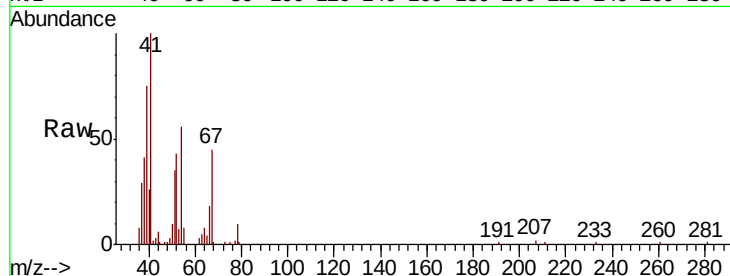
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	74.7	55.2	82.8
67	67	45.3	36.2	54.2
52	52	42.8	37.7	56.5

Manual Integrations
APPROVED

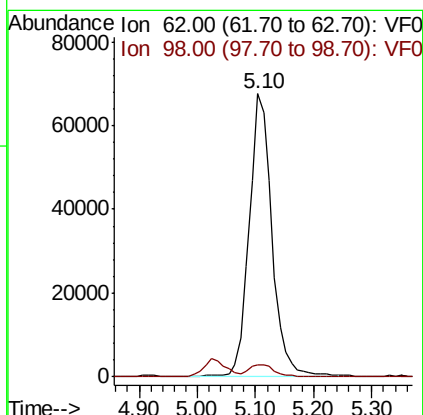
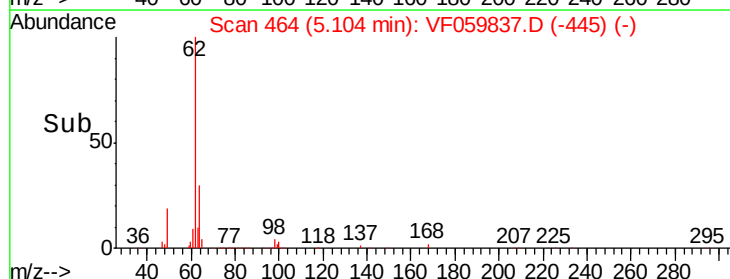
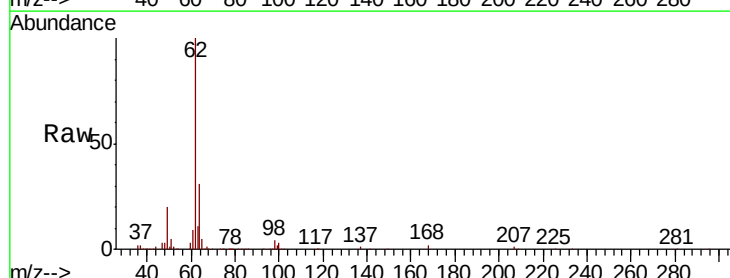
apatel

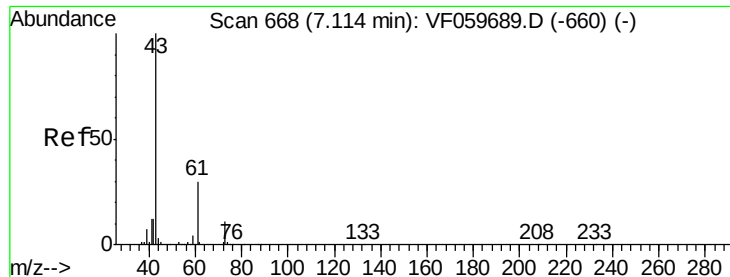
8/6/2018 10:04:38 AM



#42
1,2-Dichloroethane
Concen: 45.68 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	4.0	0.0	9.6





#43

Isopropyl Acetate

Concen: 53.29 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampled :

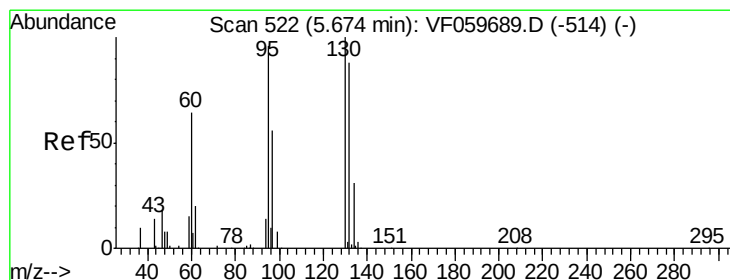
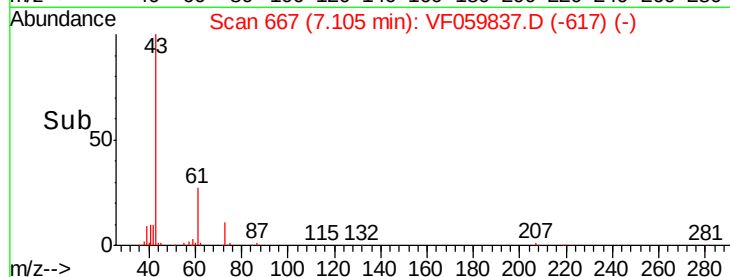
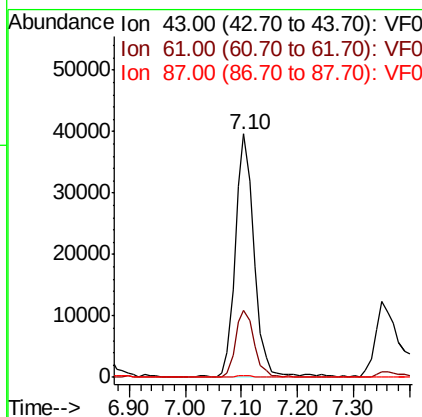
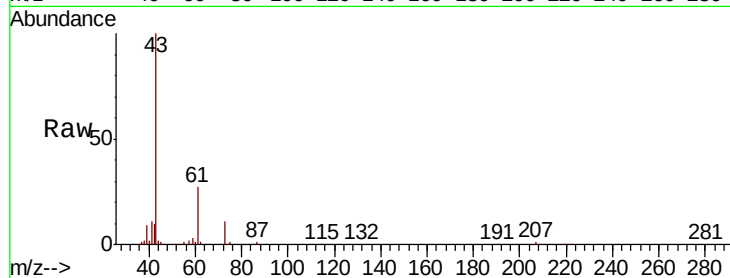
VSTDCCC050

Tot Ion:	43	Resp:	92505
Ion Ratio	Lower	Upper	
43	100		
61	27.4	23.8	35.8
87	0.6	0.6	1.0#

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#44

Trichloroethene

Concen: 52.72 ug/l

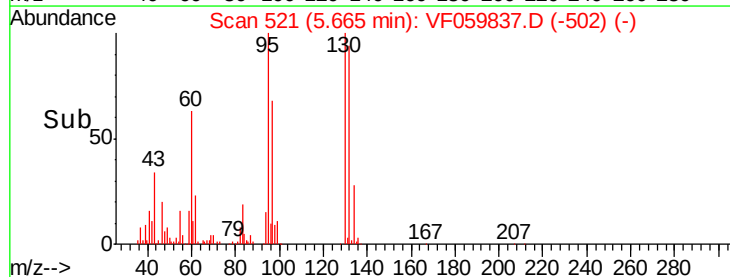
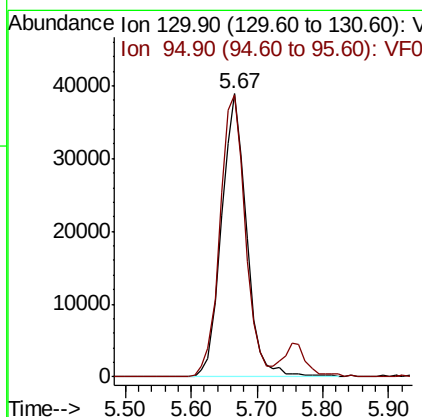
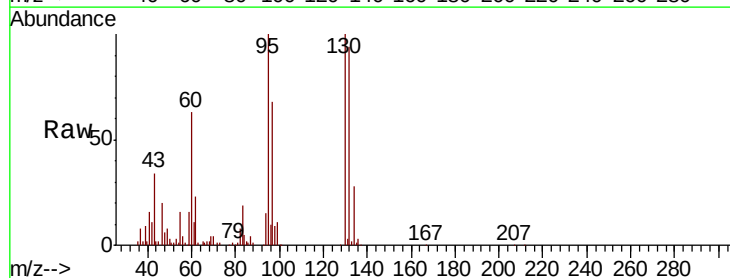
RT: 5.67 min Scan# 521

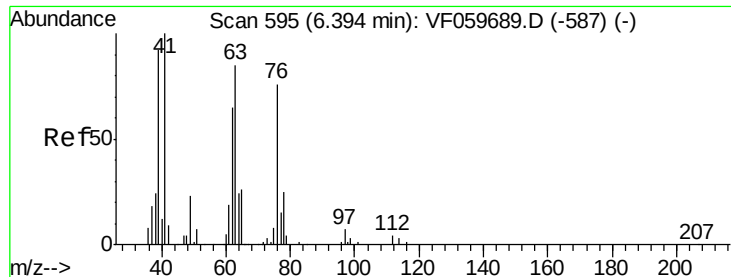
Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Tgt Ion:	130	Resp:	103106
Ion Ratio	Lower	Upper	
130	100		
95	99.7	0.0	191.0





#45

1,2-Dichloropropane

Concen: 51.76 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 80126

Ion Ratio Lower Upper

63 100

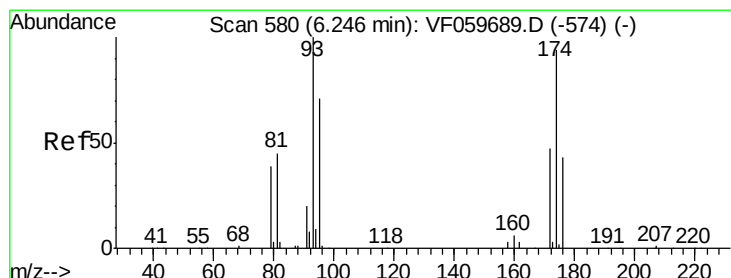
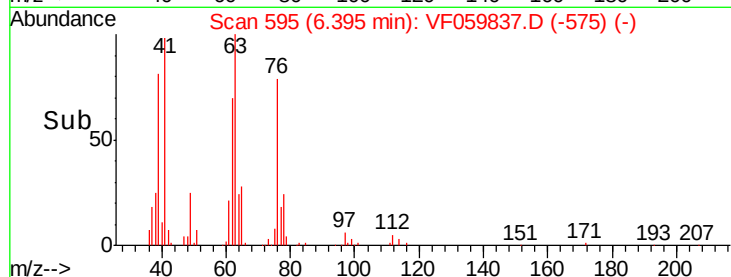
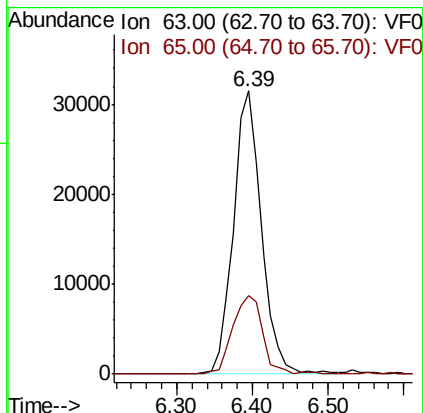
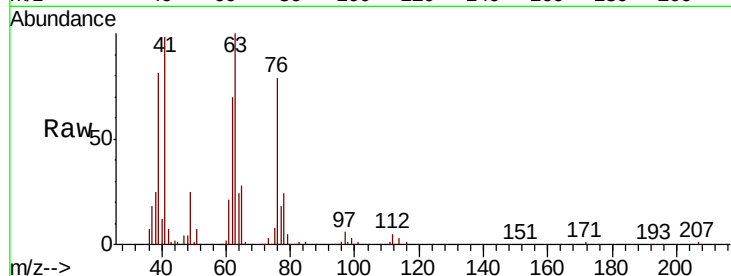
65 27.7 25.2 37.8

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#46

Dibromomethane

Concen: 49.06 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

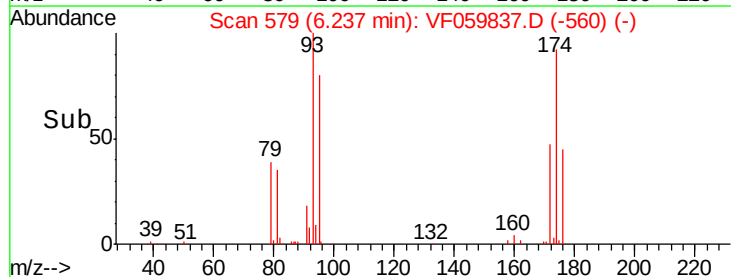
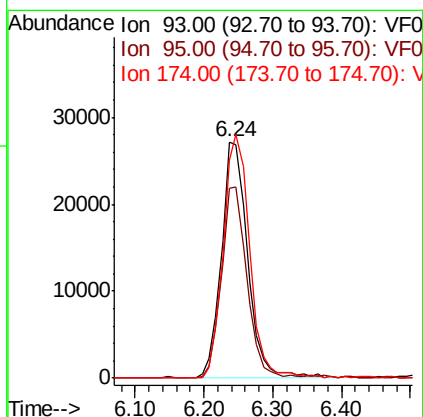
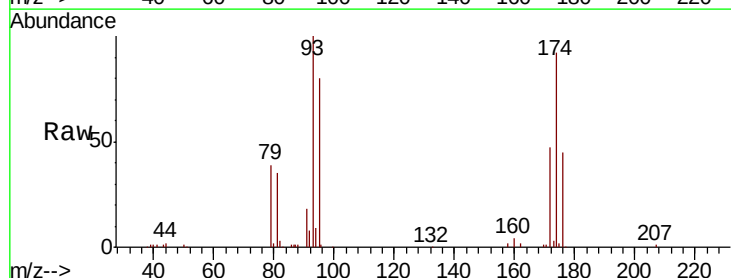
Tgt Ion: 93 Resp: 72112

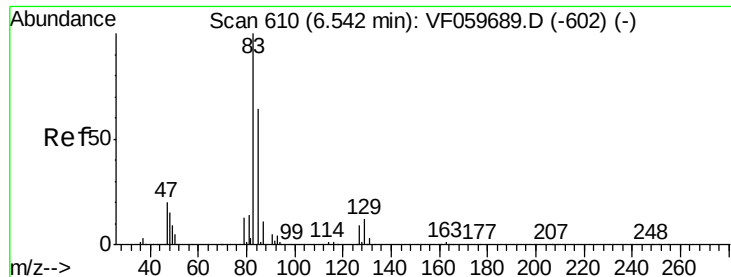
Ion Ratio Lower Upper

93 100

95 81.5 57.1 85.7

174 92.4 74.8 112.2





#47

Bromodichloromethane

Concen: 46.80 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

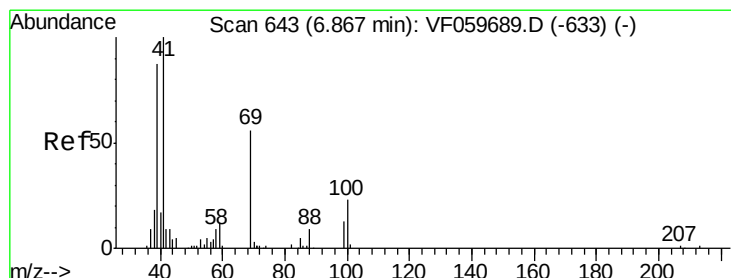
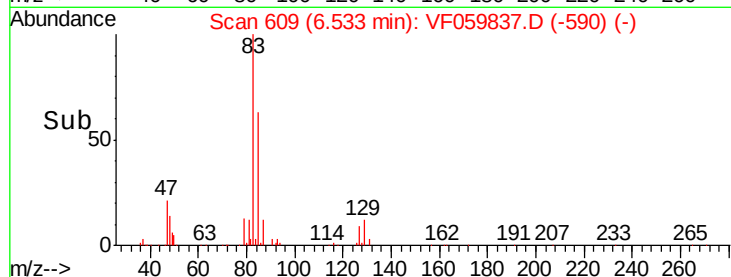
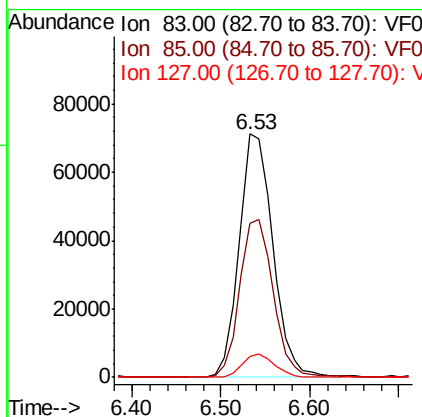
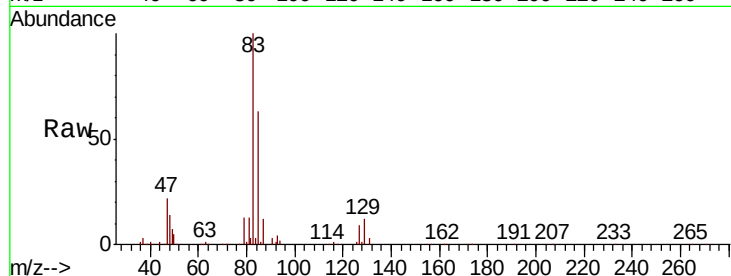
VSTDCCC050

Tot Ion:	83	Resp:	187340
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.0	76.6
127	8.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.36 ug/l

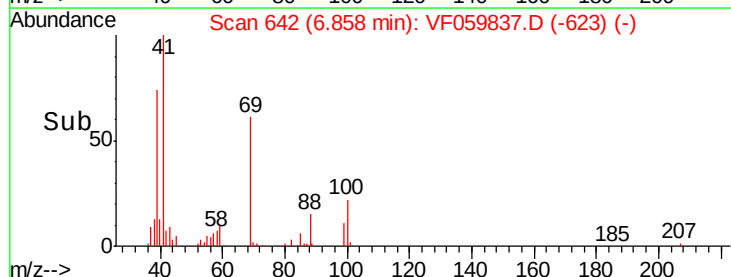
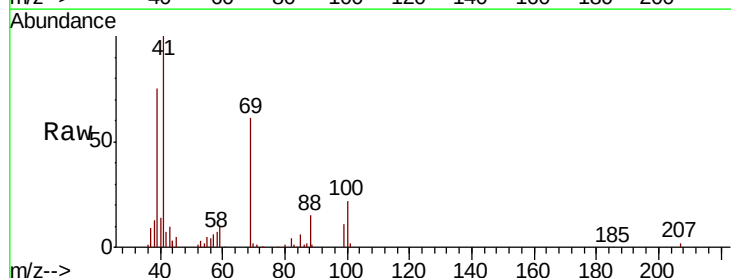
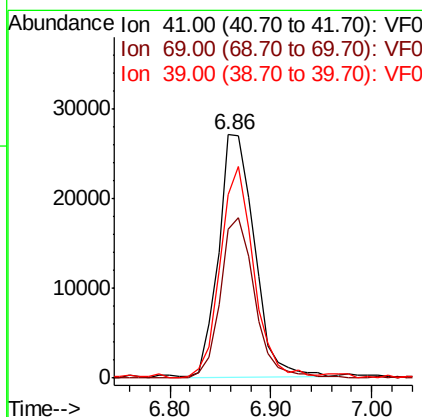
RT: 6.86 min Scan# 642

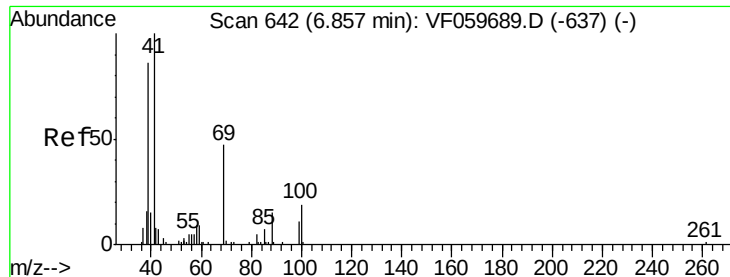
Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Tgt Ion:	41	Resp:	67051
Ion	Ratio	Lower	Upper
41	100		
69	61.2	44.4	66.6
39	75.3	69.4	104.2





#49
 1,4-Dioxane
 Concen: 1381.24 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

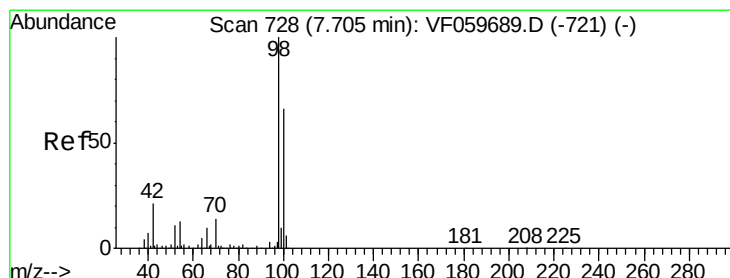
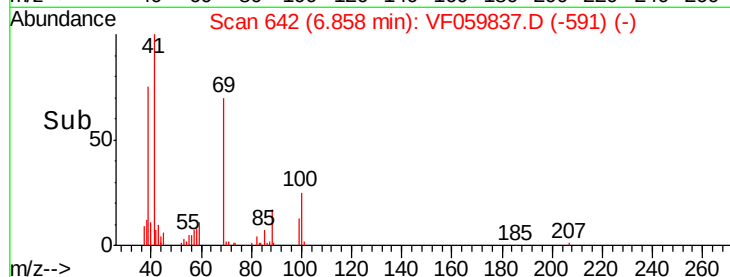
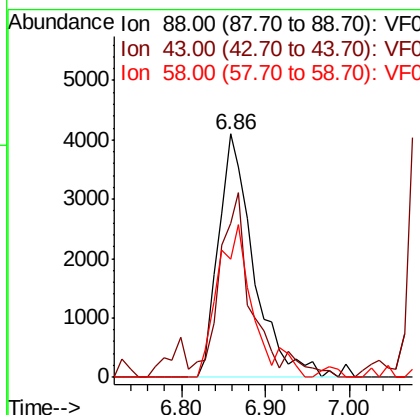
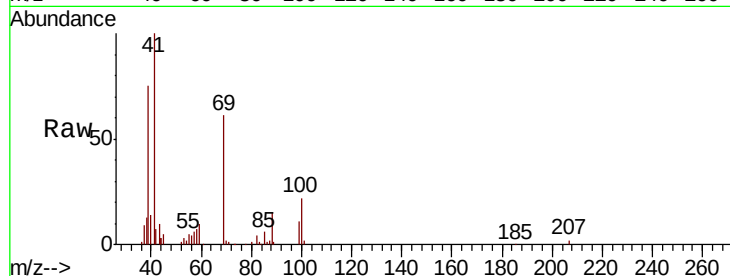
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	63.1		45.2	67.8
58	48.5		49.0	73.6#

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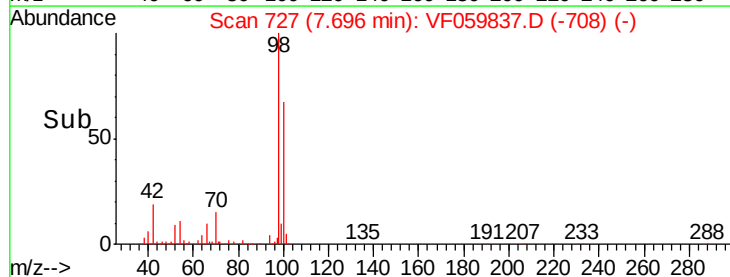
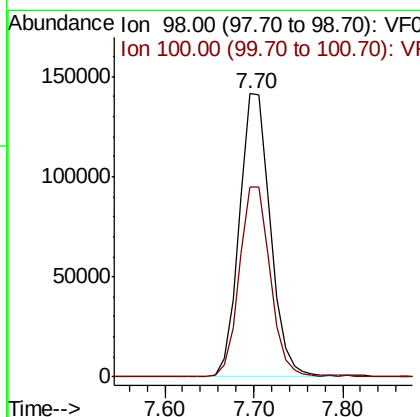
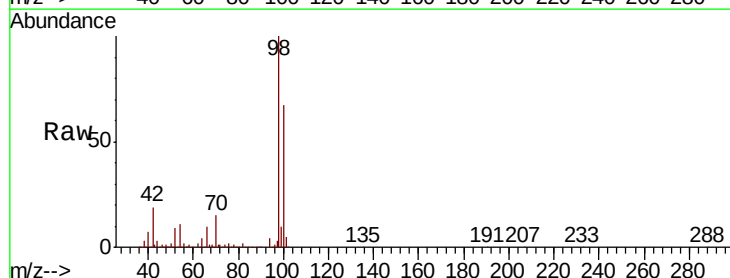
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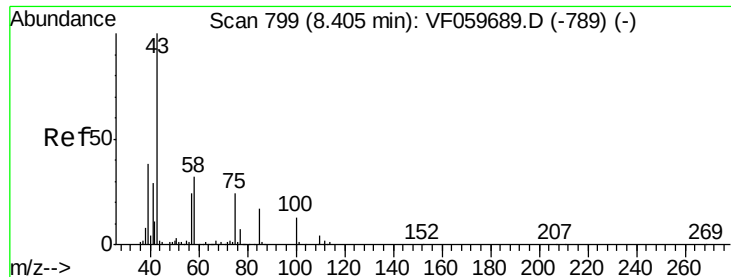
8/6/2018 10:04:38 AM



#50
 Toluene-d8
 Concen: 48.47 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	67.1		52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 283.30 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 374076

Ion Ratio Lower Upper

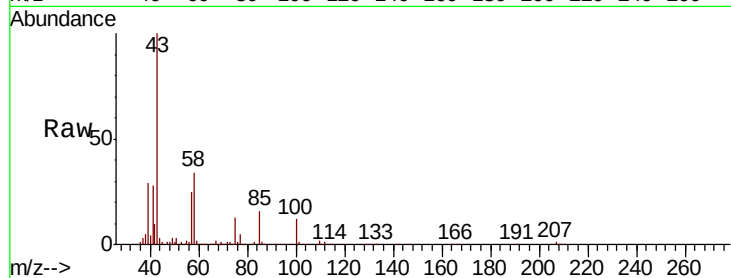
43 100

58 34.4 25.9 38.9

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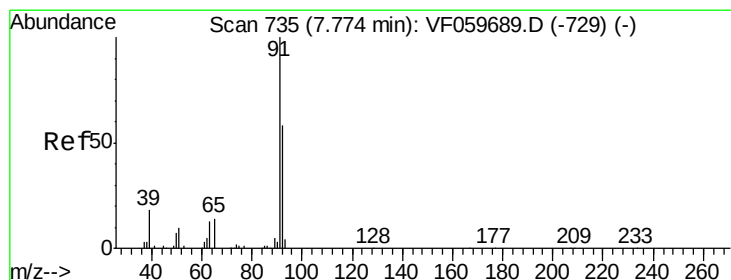
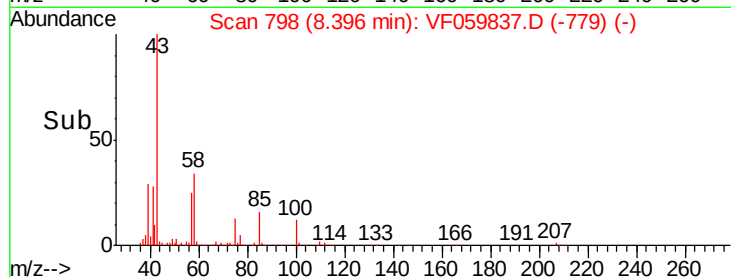
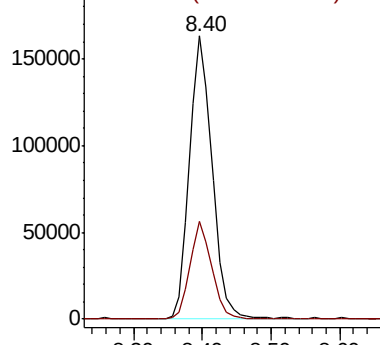
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 52.16 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059837.D

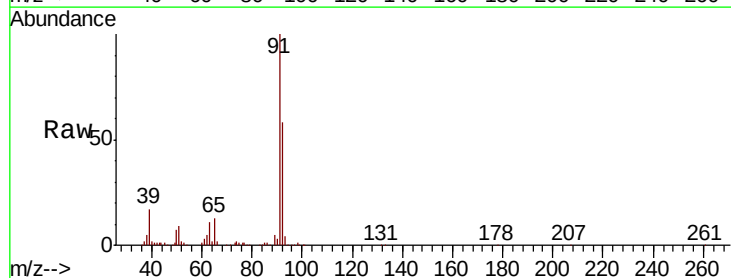
Acq: 3 Aug 2018 14:08

Tgt Ion: 92 Resp: 203112

Ion Ratio Lower Upper

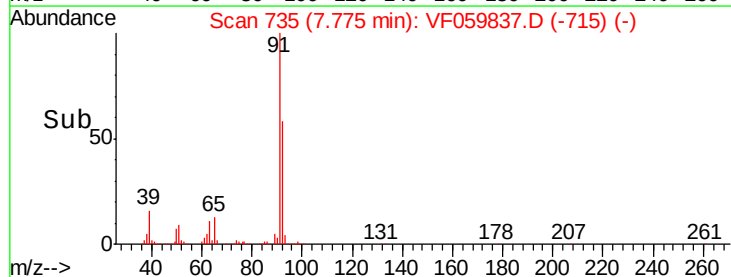
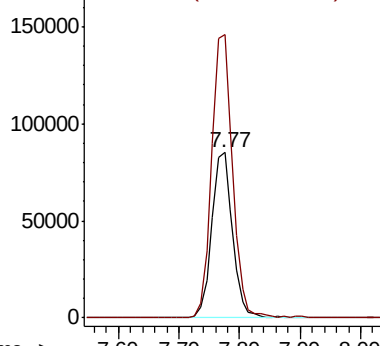
92 100

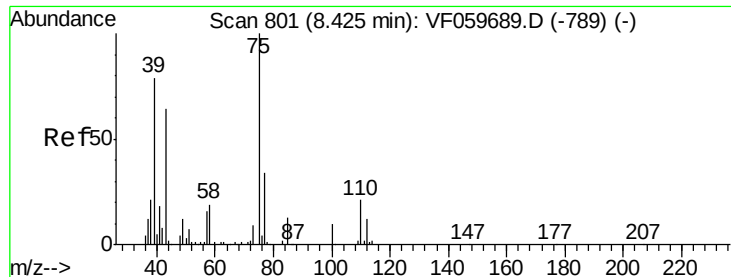
91 171.6 139.0 208.4



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: 46.66 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 162067

Ion Ratio Lower Upper

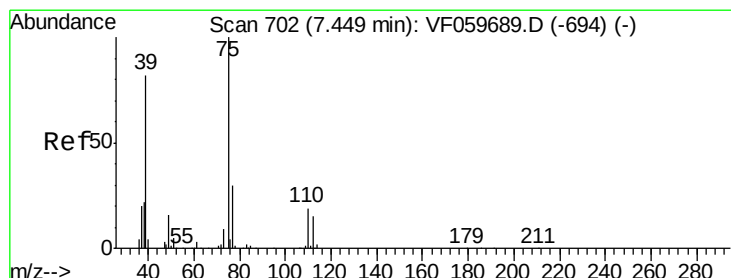
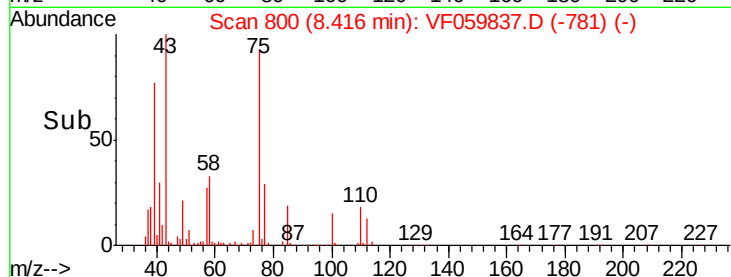
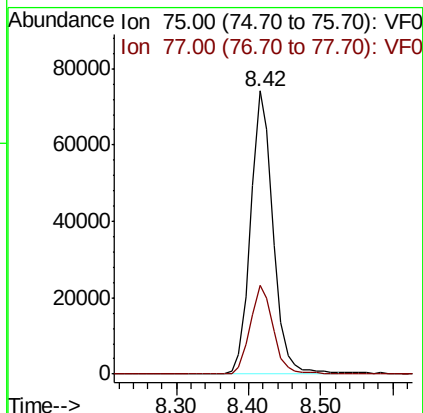
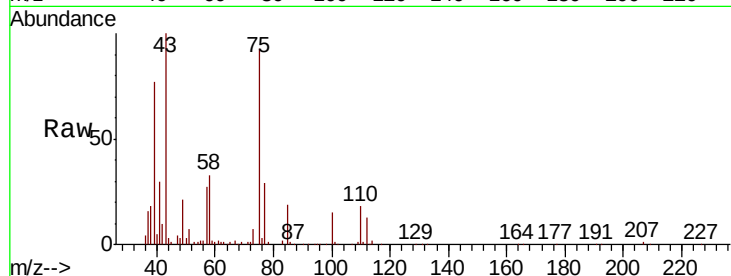
75 100

77 31.2 27.0 40.4

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#54

cis-1,3-Dichloropropene

Concen: 49.96 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

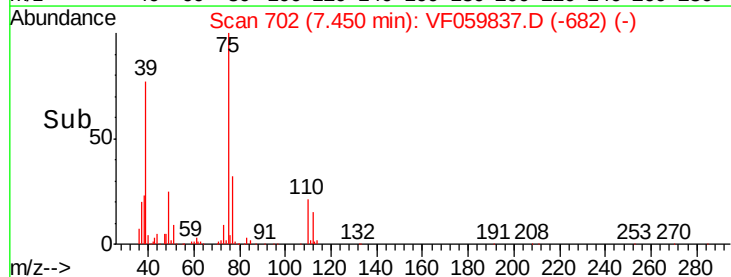
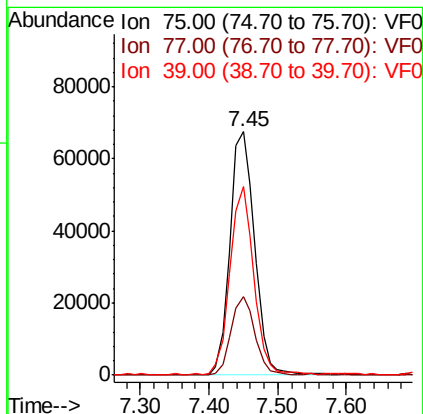
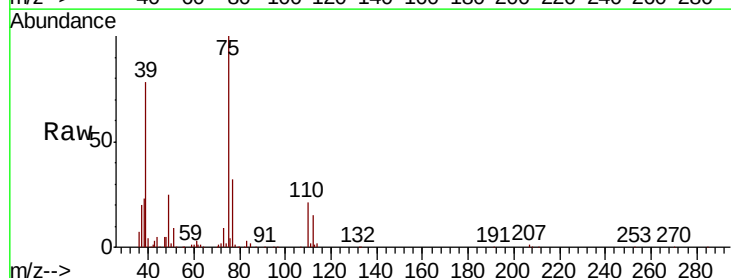
Tgt Ion: 75 Resp: 168073

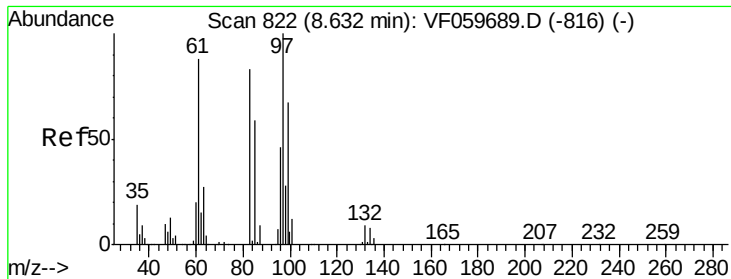
Ion Ratio Lower Upper

75 100

77 32.2 24.0 36.0

39 77.7 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 51.86 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

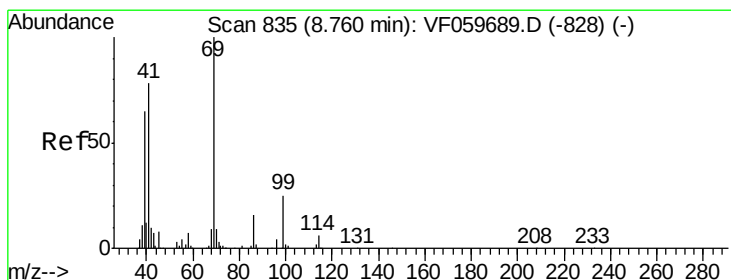
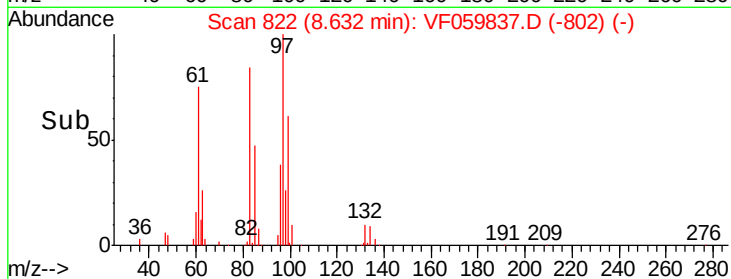
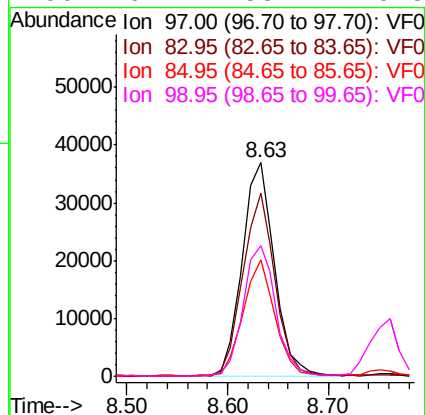
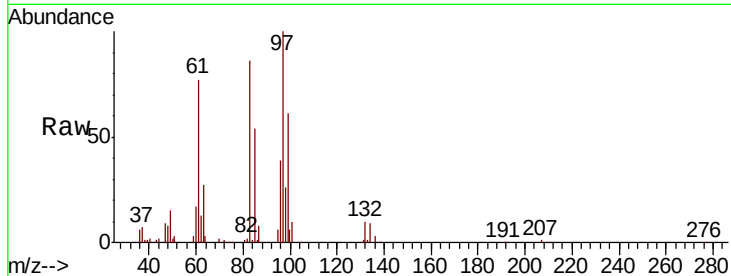
VSTDCCC050

Tot Ion:	97	Resp:	82339
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.6	100.0
85	54.4	47.4	71.0
99	61.2	53.2	79.8

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#56

Ethyl methacrylate

Concen: 55.52 ug/l

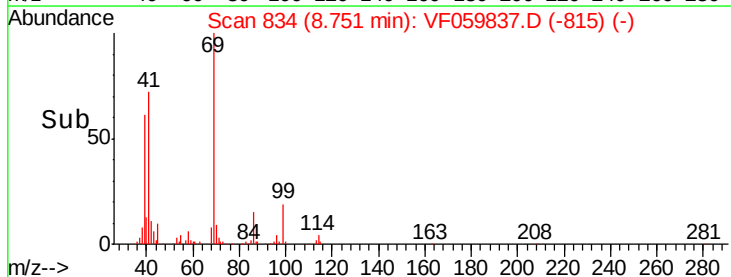
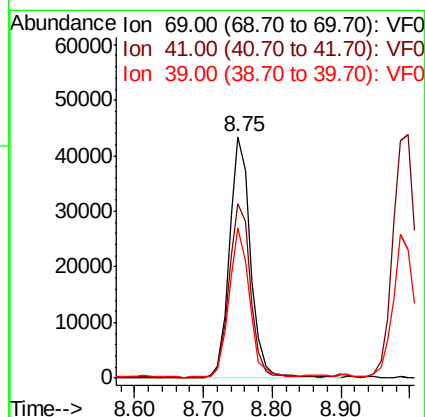
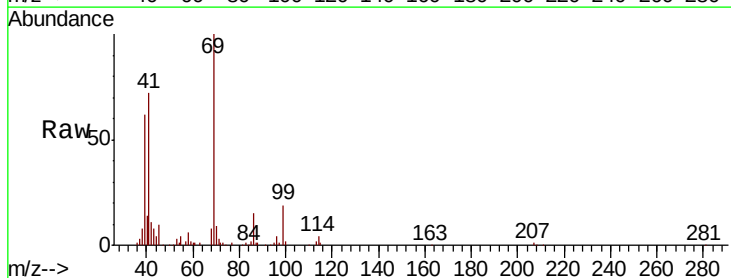
RT: 8.75 min Scan# 834

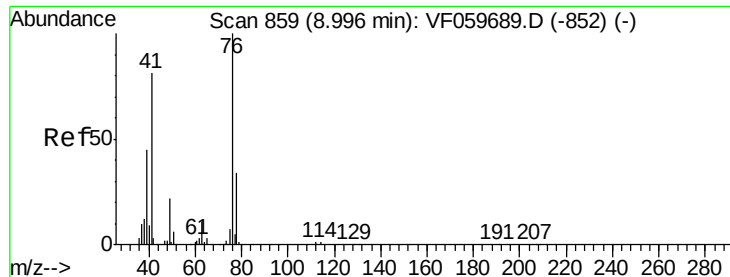
Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Tgt Ion:	69	Resp:	91934
Ion	Ratio	Lower	Upper
69	100		
41	72.5	62.3	93.5
39	62.2	52.4	78.6





#57

1,3-Dichloropropane

Concen: 50.97 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 138843

Ion Ratio Lower Upper

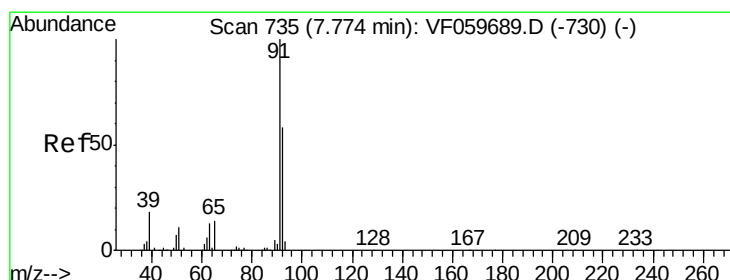
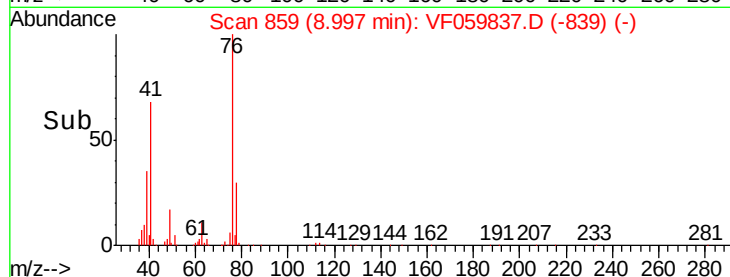
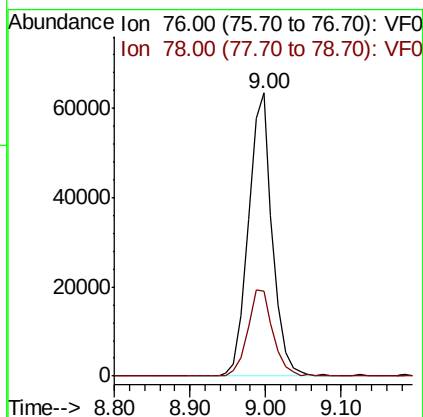
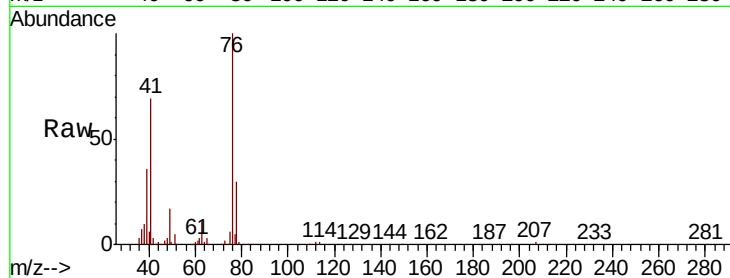
76 100

78 29.8 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 210.61 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059837.D

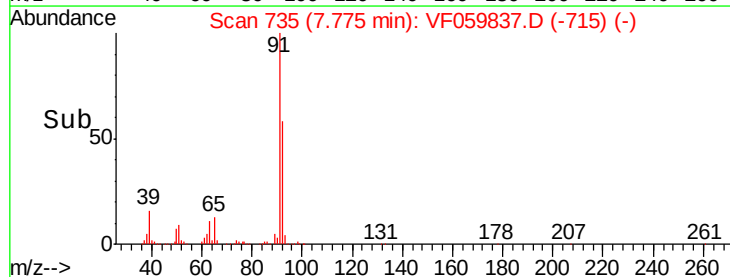
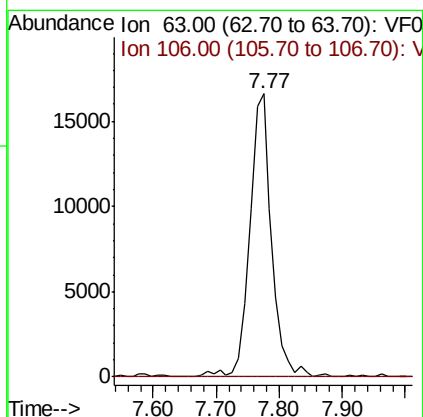
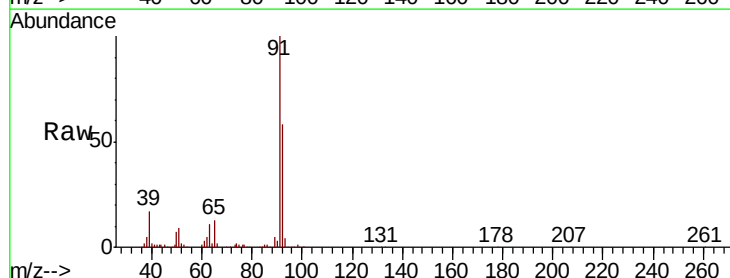
Acq: 3 Aug 2018 14:08

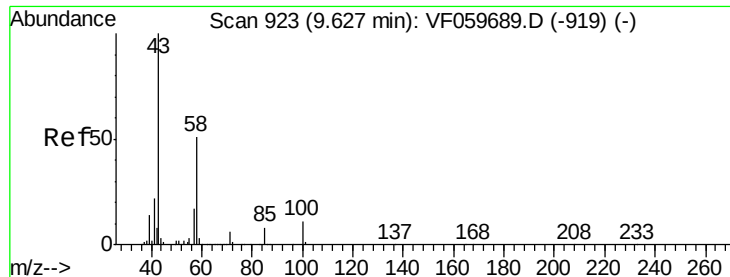
Tgt Ion: 63 Resp: 40264

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59
2-Hexanone
Concen: 258.40 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

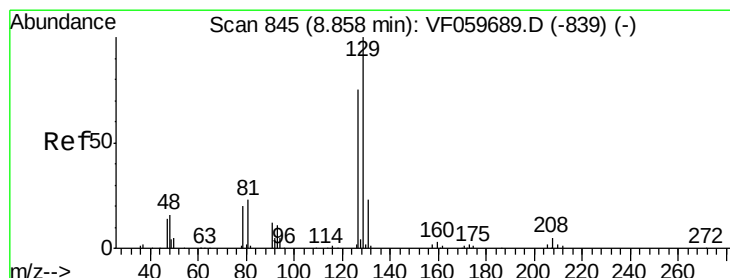
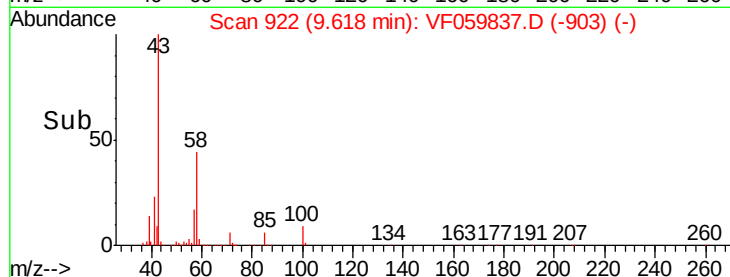
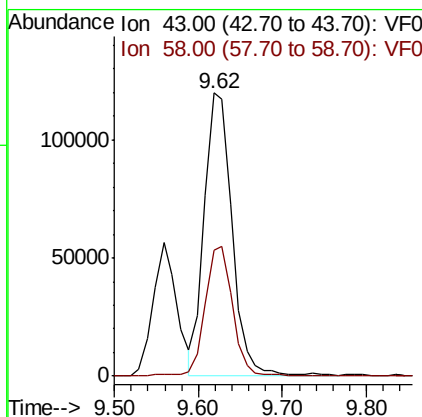
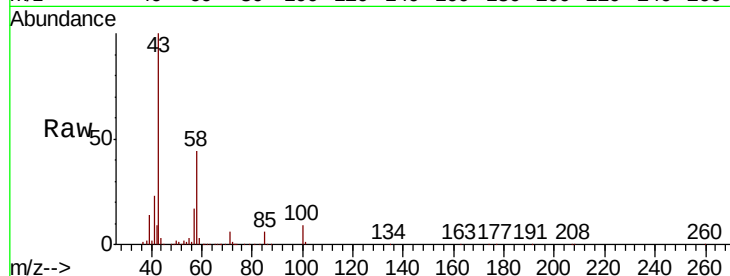
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.4	23.3	69.8

Manual Integrations
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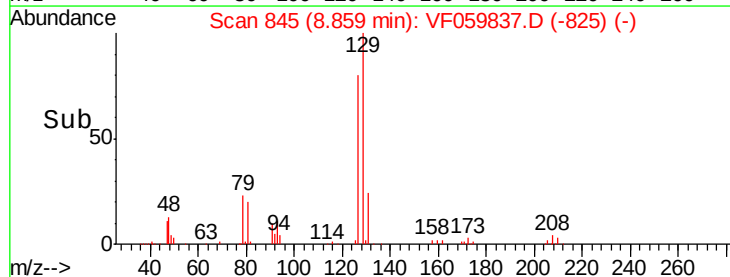
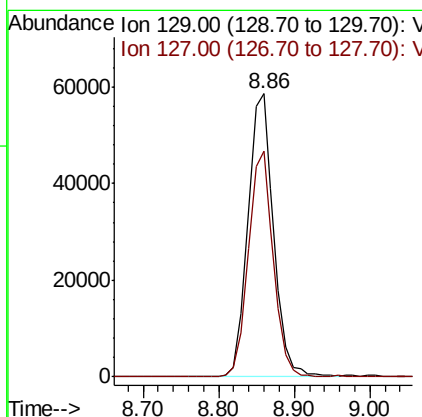
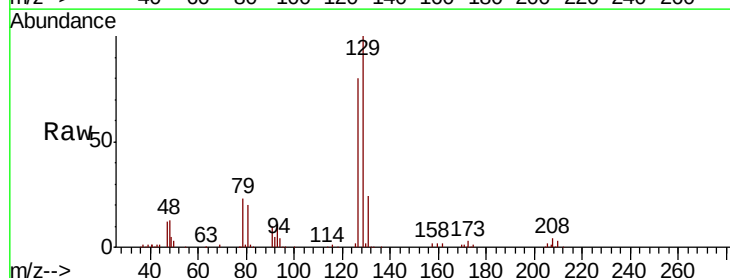
apatel

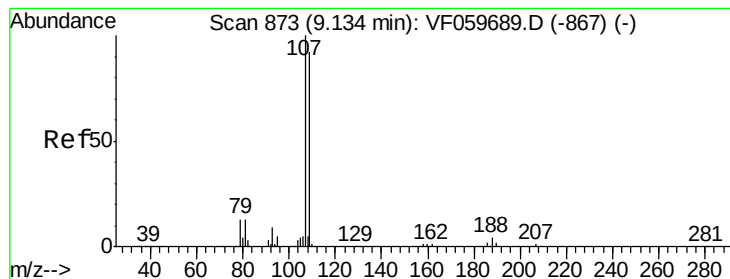
8/6/2018 10:04:38 AM



#60
Dibromochloromethane
Concen: 49.33 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.7	37.7	113.1





#61

1,2-Dibromoethane

Concen: 48.61 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 90130

Ion Ratio Lower Upper

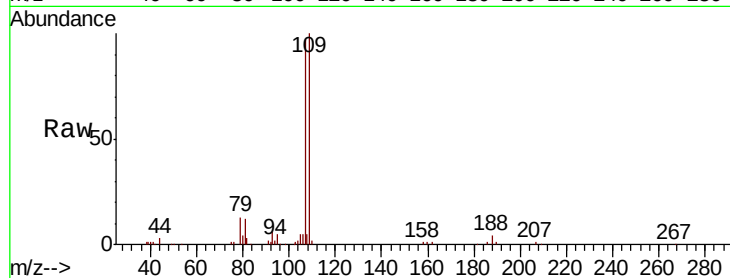
107 100

109 102.6 73.6 110.4

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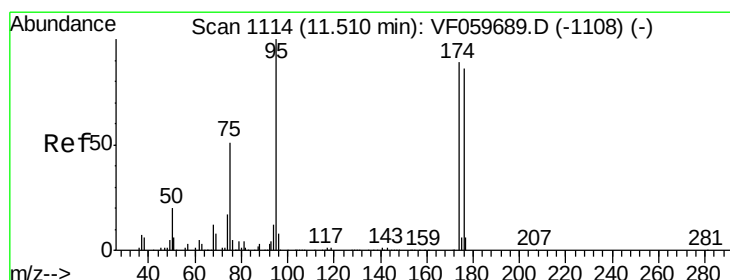
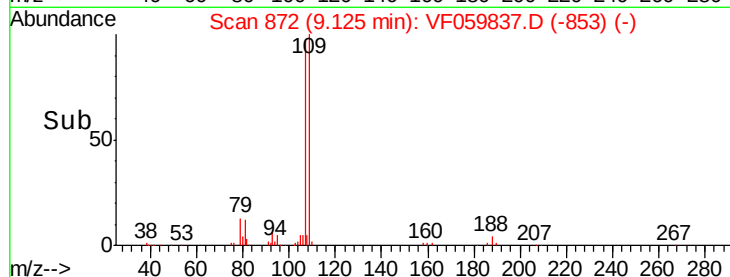
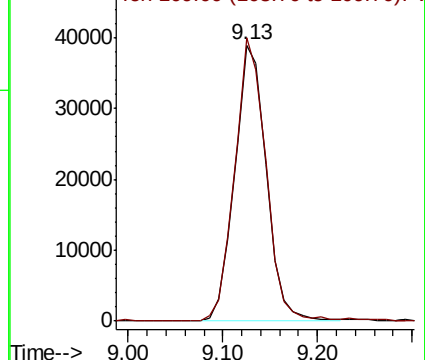
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.00 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

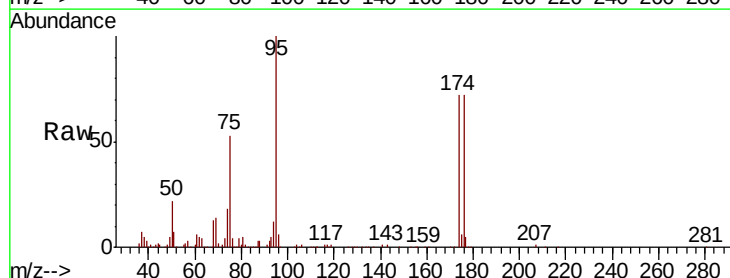
Tgt Ion: 95 Resp: 179033

Ion Ratio Lower Upper

95 100

174 72.0 0.0 178.4

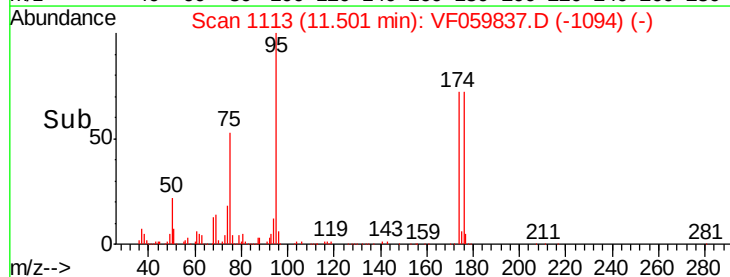
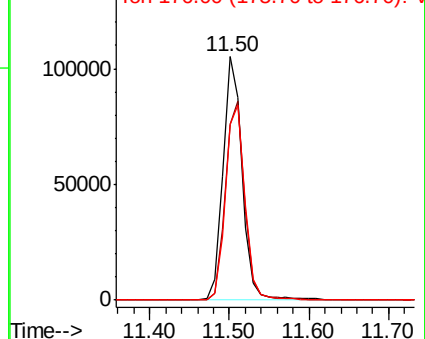
176 72.1 0.0 173.0

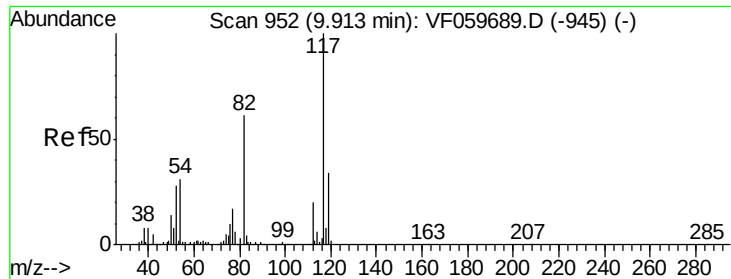


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

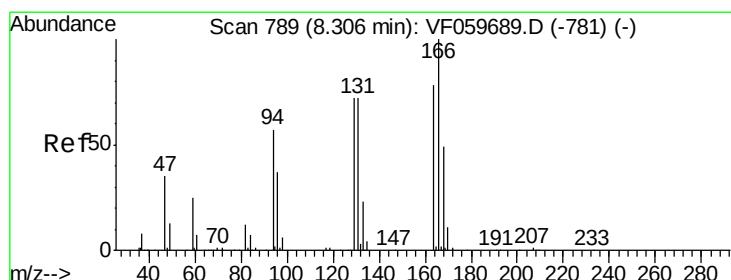
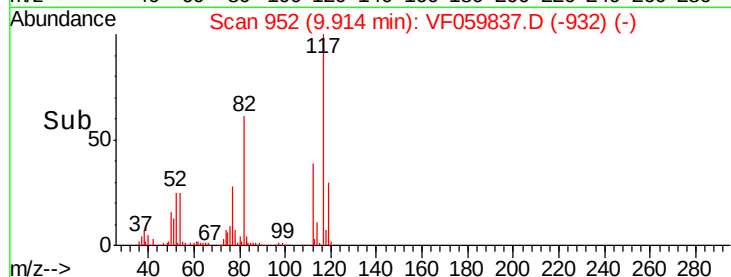
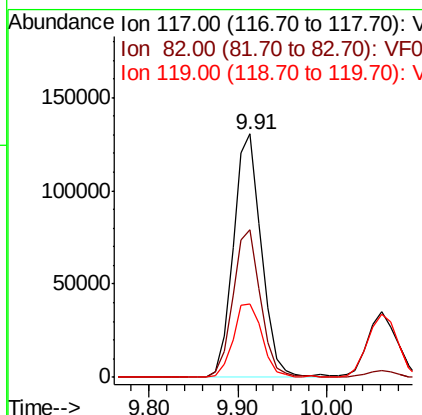
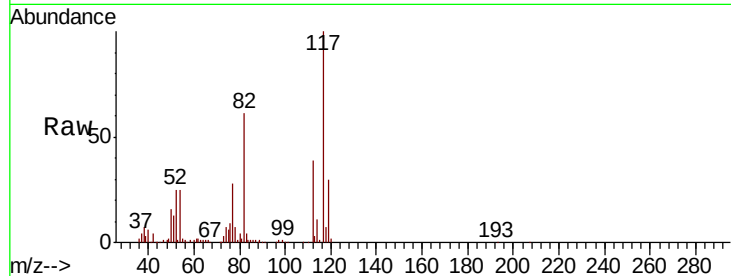
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	117	Resp:	287722
Ion Ratio	Lower	Upper	
117	100		
82	60.7	49.0	73.4
119	30.4	27.3	40.9

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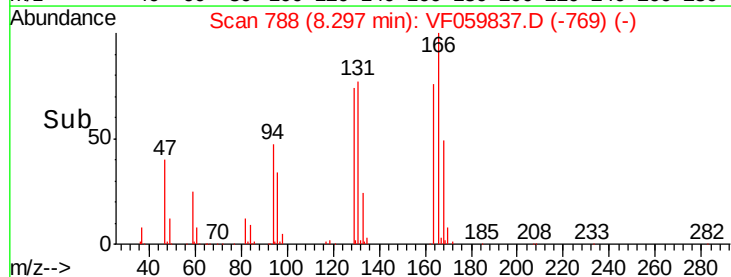
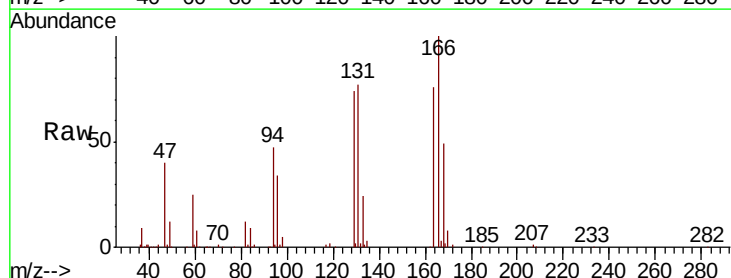
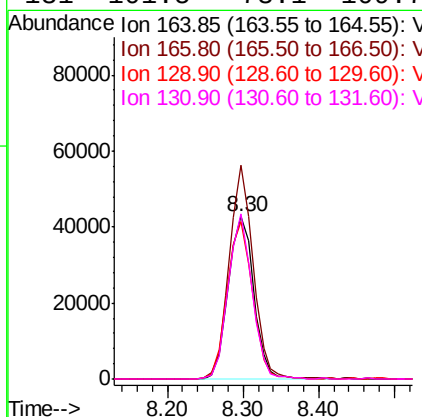
apatel

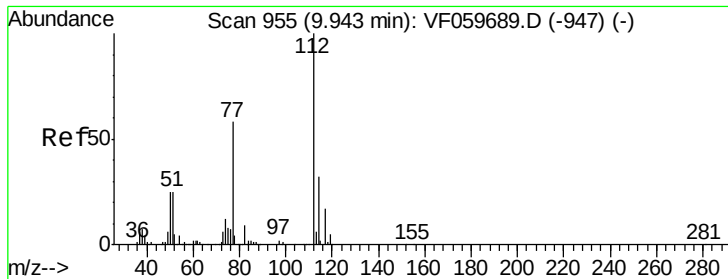
8/6/2018 10:04:38 AM



#64
Tetrachloroethene
Concen: 51.51 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion:	164	Resp:	99797
Ion Ratio	Lower	Upper	
164	100		
166	131.8	102.1	153.1
129	97.3	73.8	110.6
131	101.5	73.1	109.7





#65

Chlorobenzene

Concen: 49.14 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 282809

Ion Ratio Lower Upper

112 100

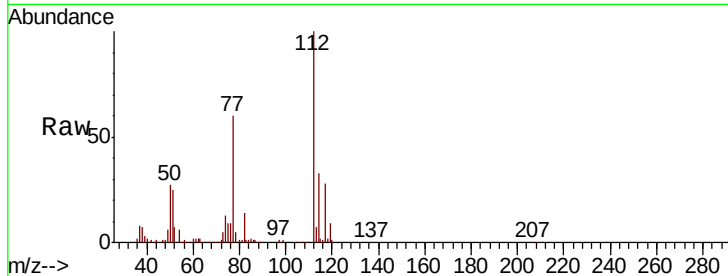
114 32.6 25.6 38.4

Manual Integrations

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

150000

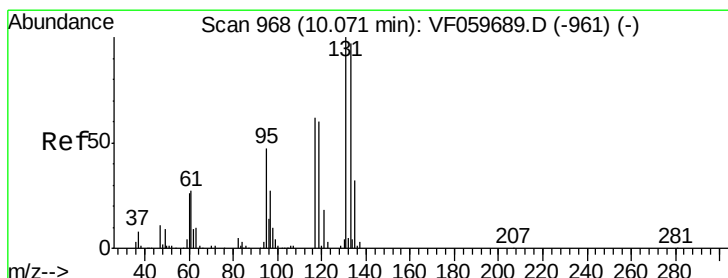
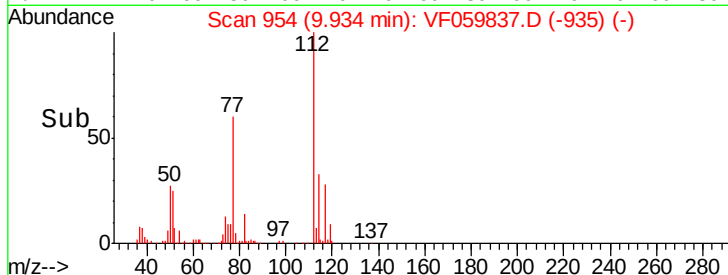
100000

50000

0

9.80 9.90 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.31 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

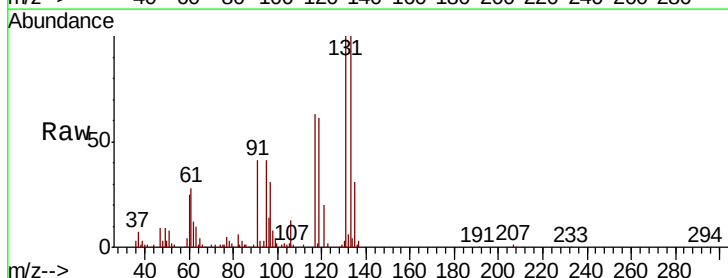
Tgt Ion:131 Resp: 127134

Ion Ratio Lower Upper

131 100

133 99.6 48.5 145.5

119 61.4 30.3 90.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

60000

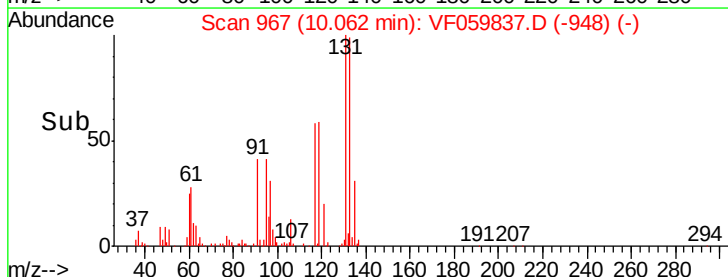
40000

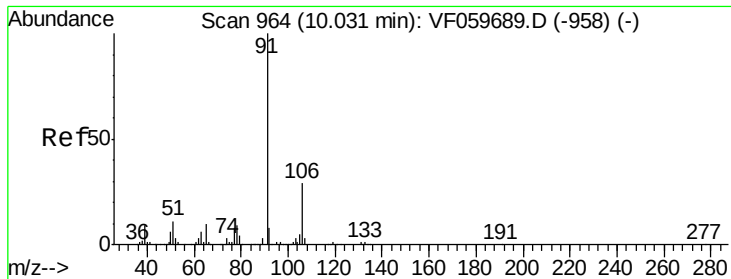
20000

0

10.00 10.10

Time-->





#67

Ethyl Benzene

Concen: 47.60 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 474041

Ion Ratio Lower Upper

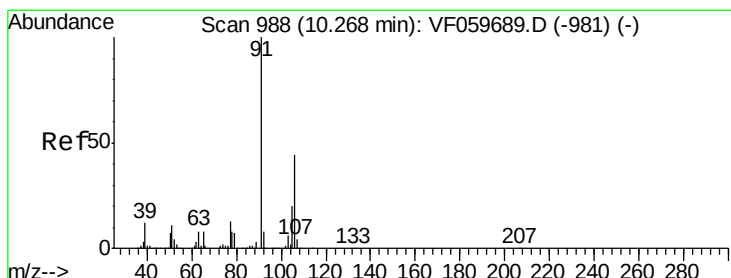
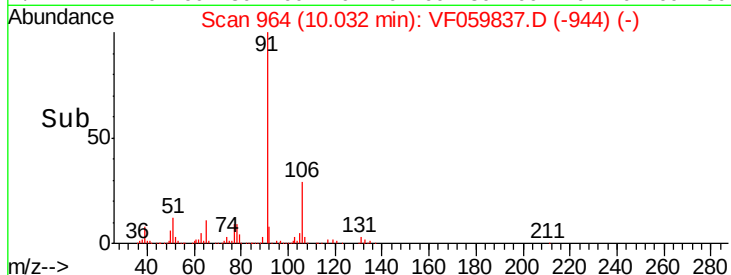
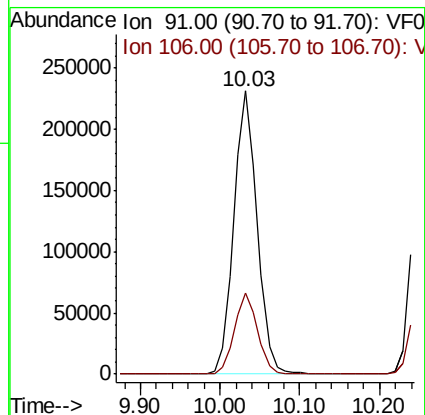
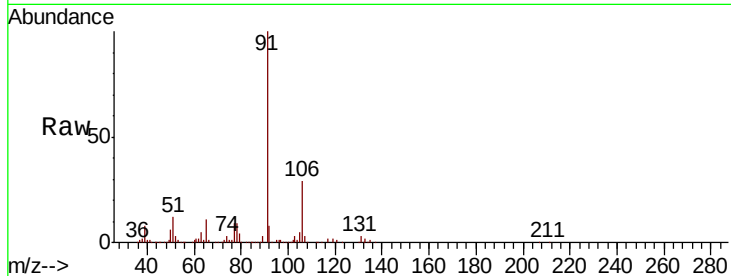
91 100

106 28.8 22.9 34.3

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#68

m/p-Xylenes

Concen: 107.48 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059837.D

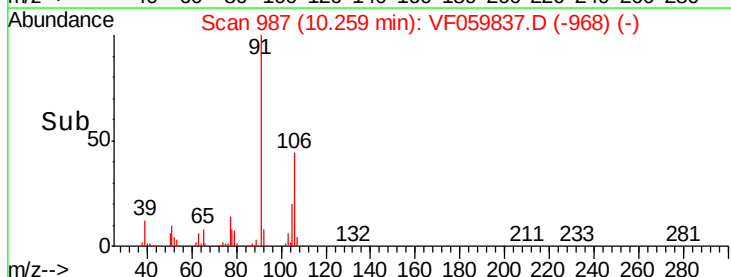
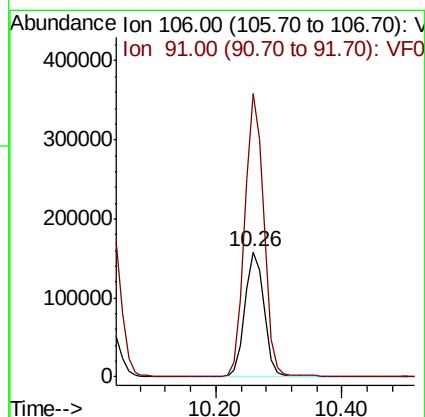
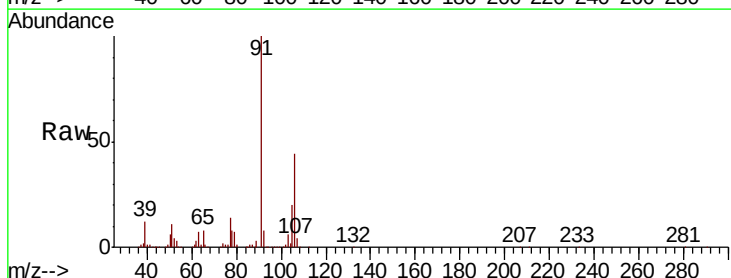
Acq: 3 Aug 2018 14:08

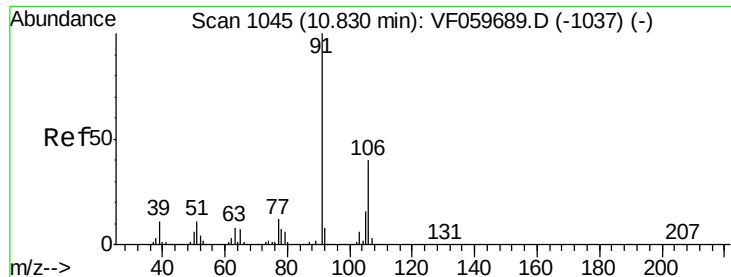
Tgt Ion: 106 Resp: 332314

Ion Ratio Lower Upper

106 100

91 226.3 181.7 272.5





#69
o-Xylene
Concen: 47.62 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

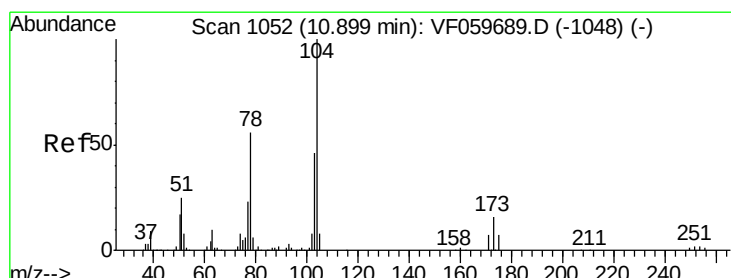
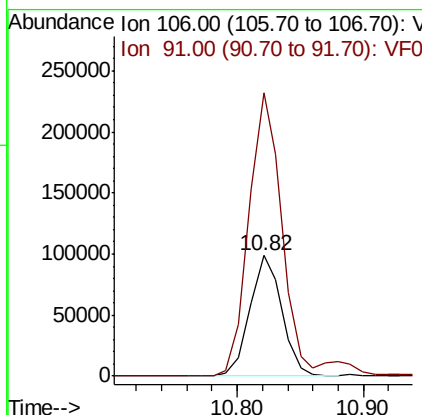
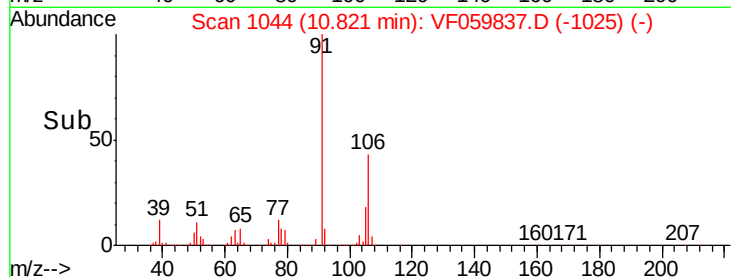
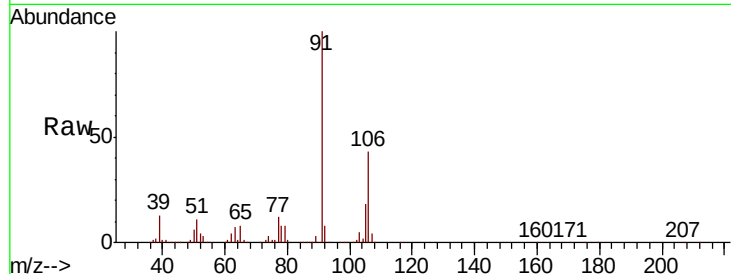
Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 174718
Ion Ratio Lower Upper
106 100
91 235.1 124.6 373.7

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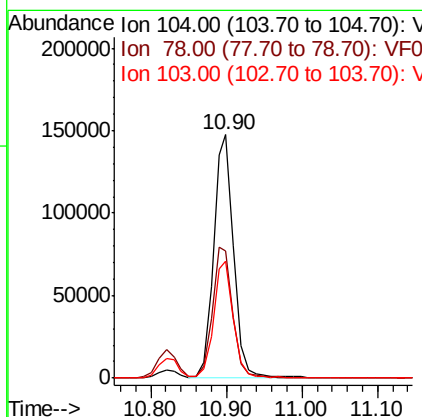
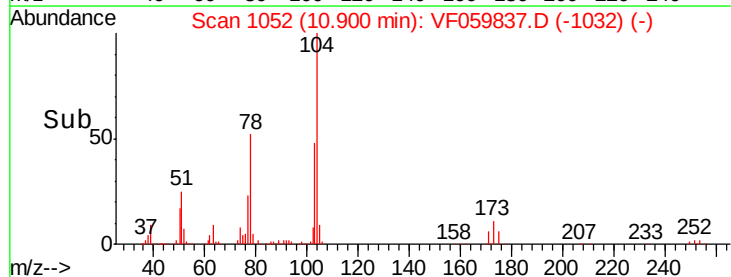
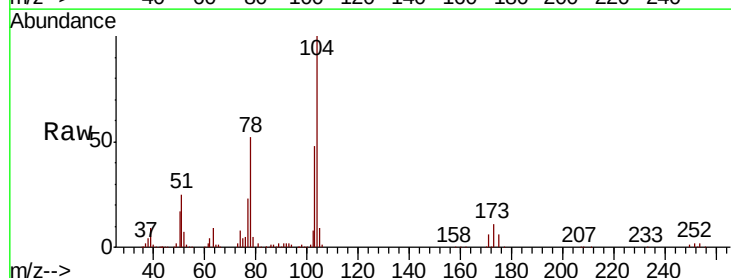
apatel

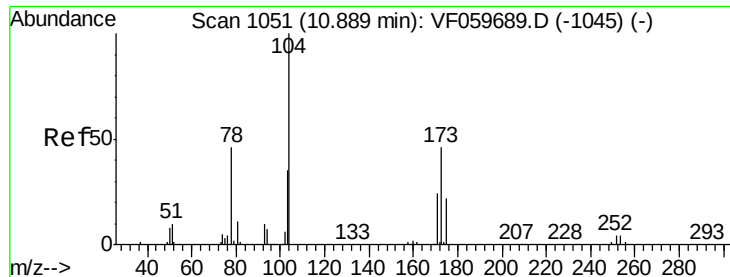
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#70
Styrene
Concen: 49.14 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion:104 Resp: 273162
Ion Ratio Lower Upper
104 100
78 52.5 45.3 67.9
103 48.3 36.6 54.8





#71

Bromoform

Concen: 50.05 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 87637

Ion Ratio Lower Upper

173 100

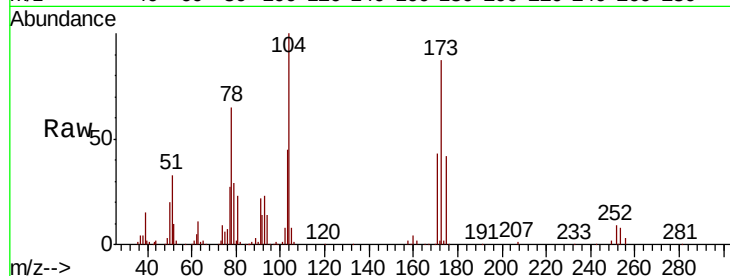
175 48.6 23.4 70.0

254 0.0 0.0 0.0

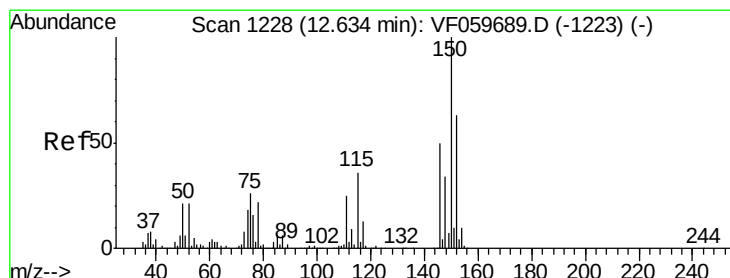
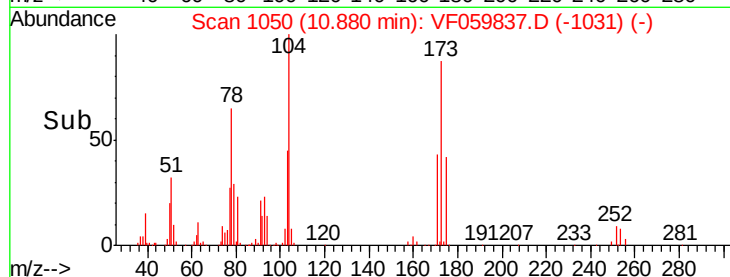
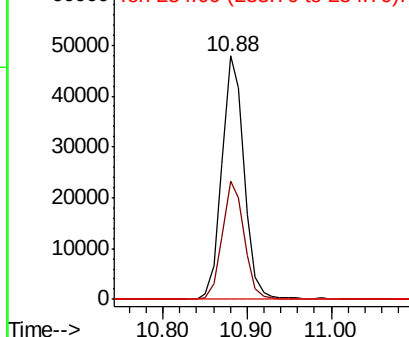
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

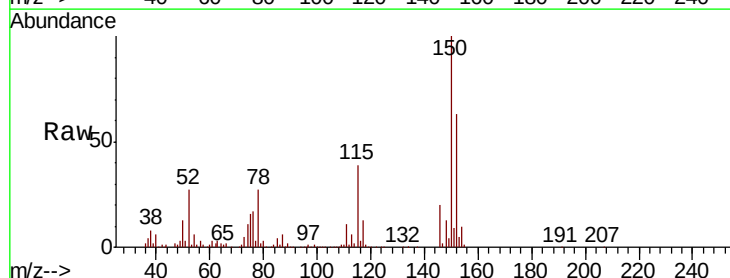
Tgt Ion:152 Resp: 173408

Ion Ratio Lower Upper

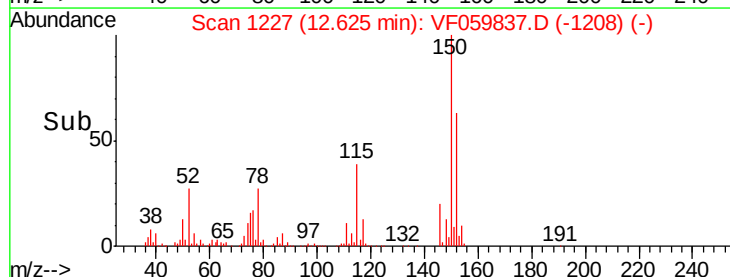
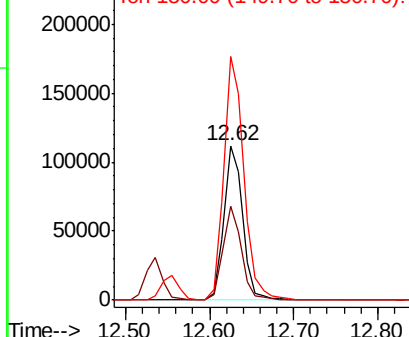
152 100

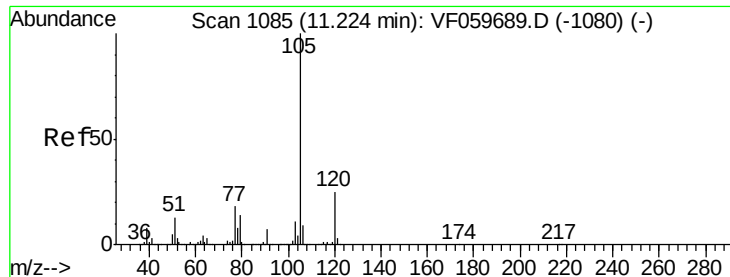
115 61.1 28.2 84.6

150 157.7 0.0 316.2



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: 49.54 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 563706

Ion Ratio Lower Upper

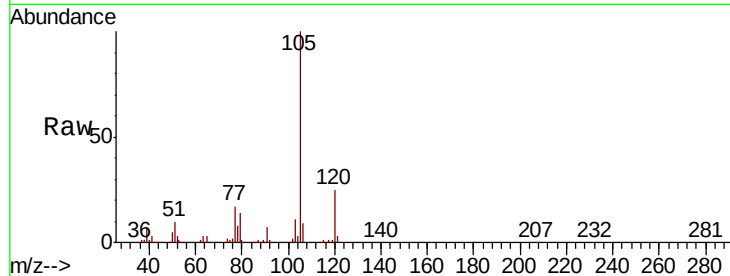
105 100

120 25.5 12.4 37.4

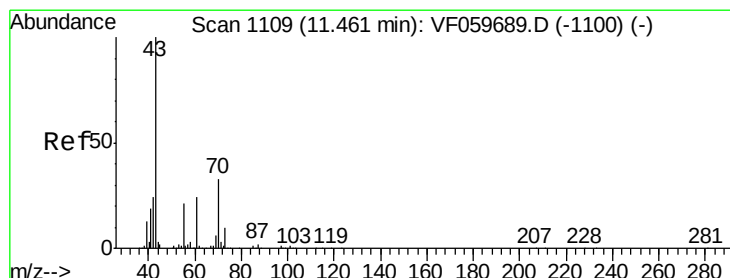
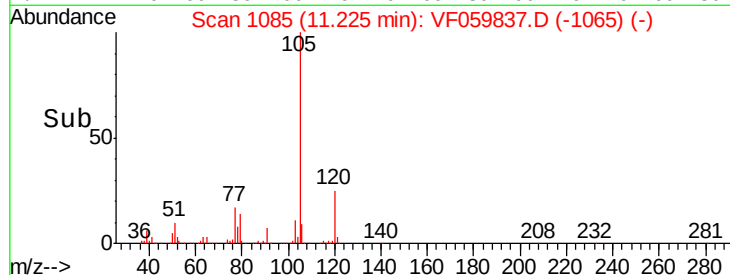
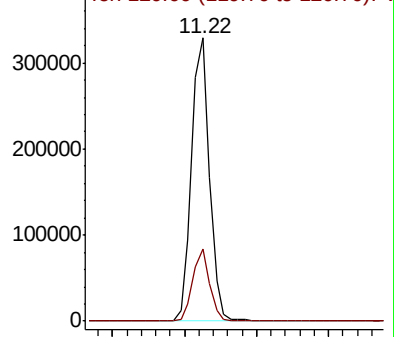
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Abundance Ion 105.00 (104.70 to 105.70): V



#74

N-ethyl acetate

Concen: 53.07 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Tgt Ion: 43 Resp: 152354

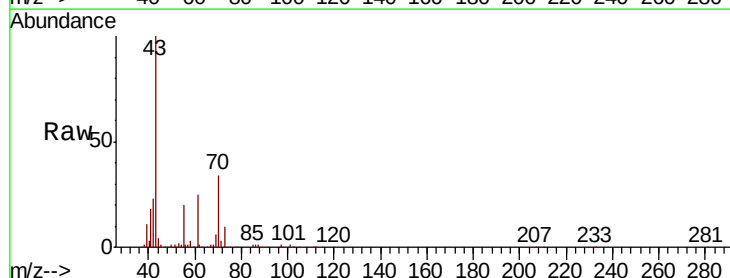
Ion Ratio Lower Upper

43 100

70 33.5 26.3 39.5

55 20.4 16.6 25.0

61 24.5 19.1 28.7

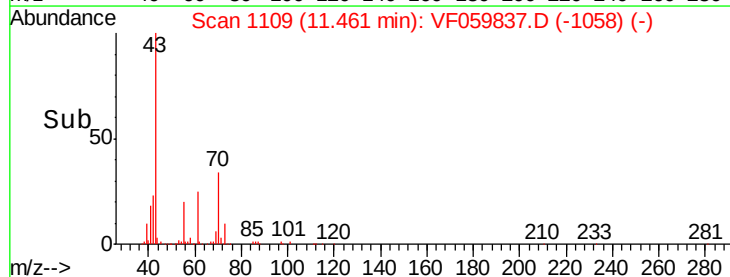
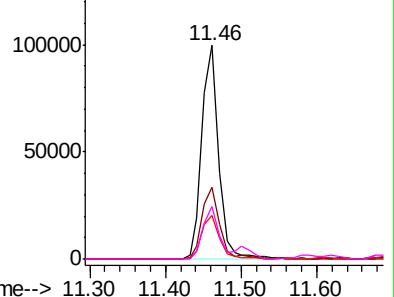


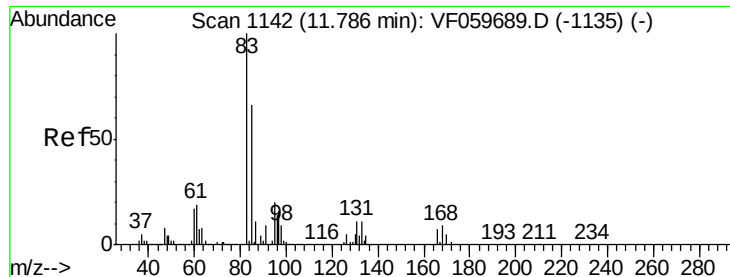
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.77 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

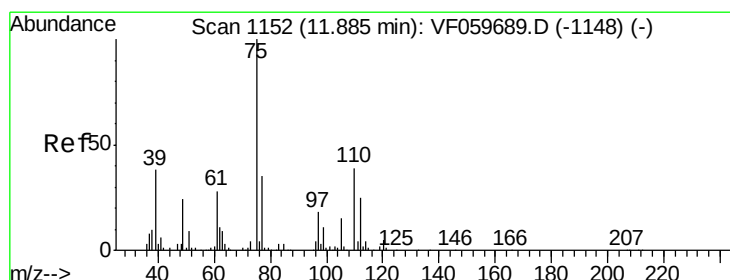
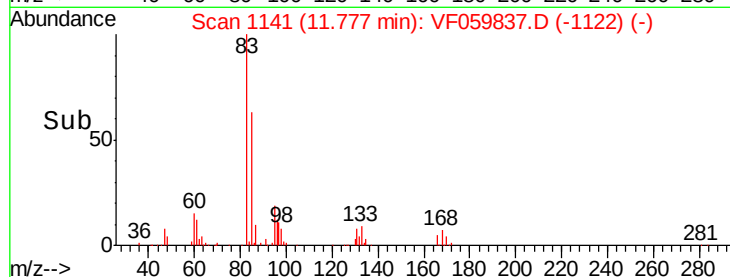
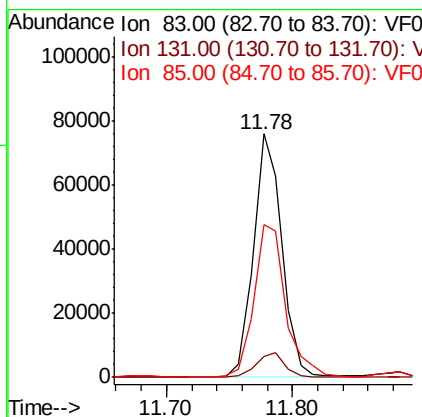
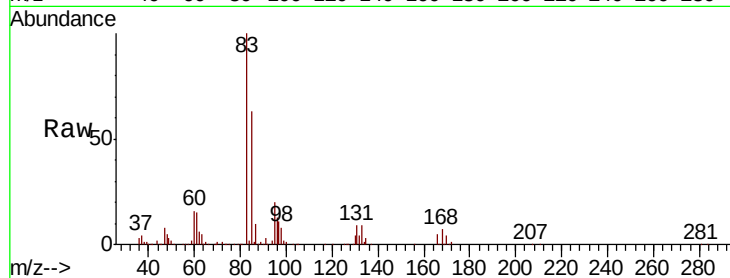
VSTDCCC050

Tot Ion:	83	Resp:	119449
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.8	17.3
85	62.9	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 51.99 ug/l

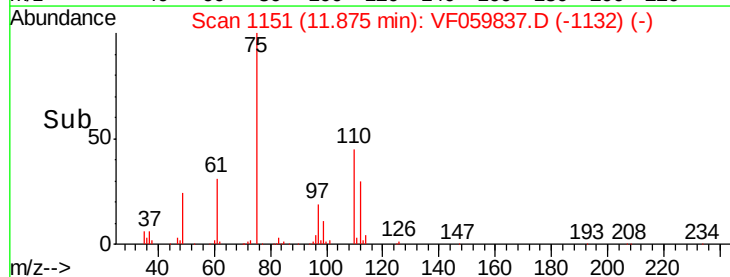
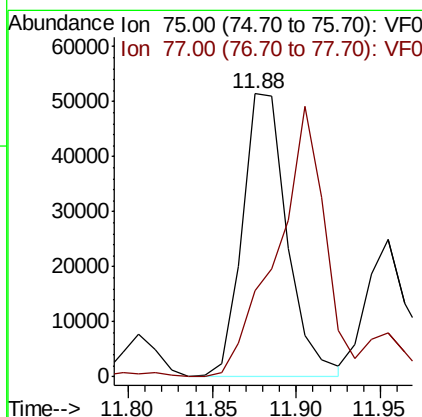
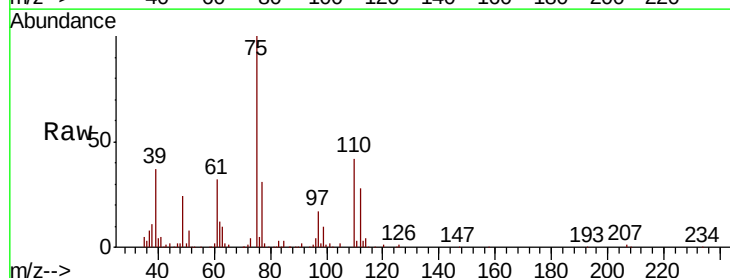
RT: 11.88 min Scan# 1151

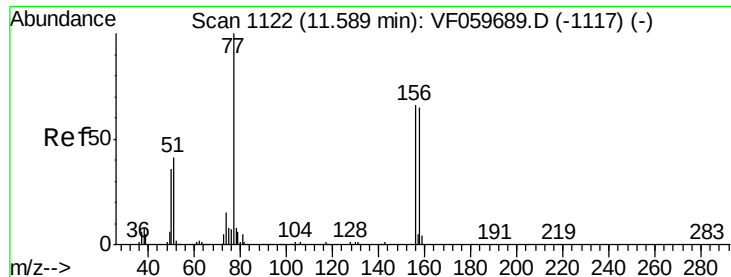
Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Tgt Ion:	75	Resp:	94684
Ion Ratio	Lower	Upper	
75	100		
77	30.7	18.0	54.0





#77

Bromobenzene

Concen: 48.23 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

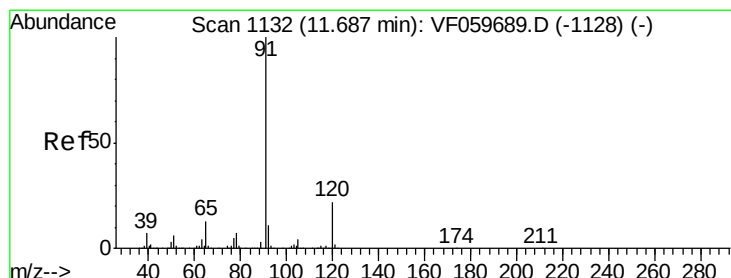
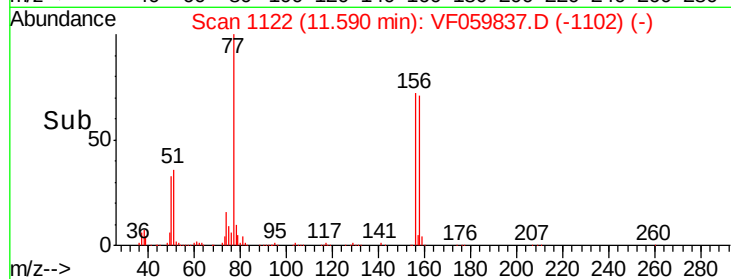
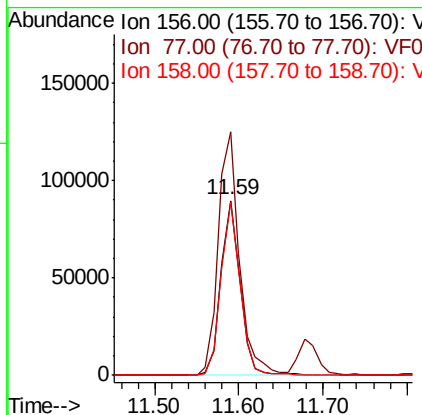
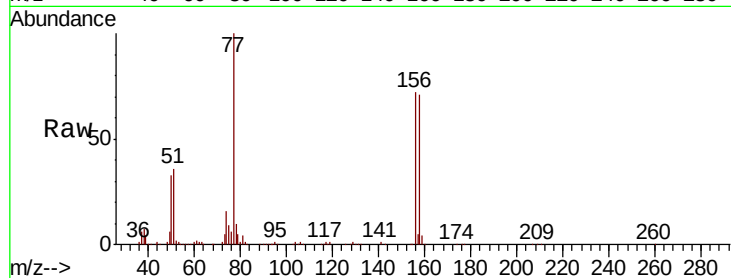
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		143313		
77	139.5	75.2	225.6		
158	99.2	49.1	147.3		

Manual Integrations
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#78

n-propylbenzene

Concen: 56.65 ug/l

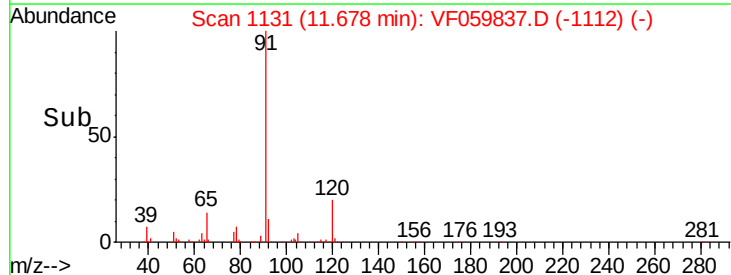
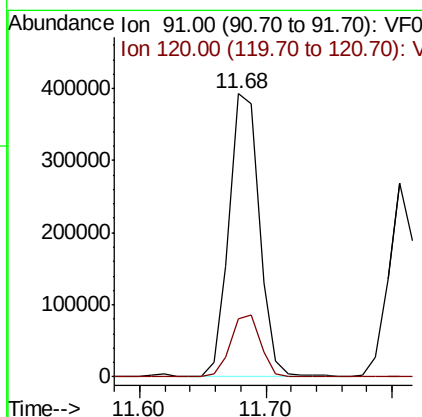
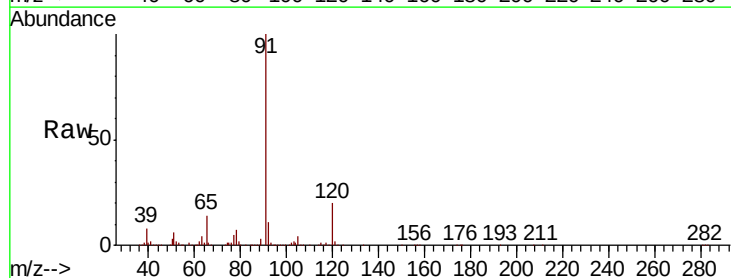
RT: 11.68 min Scan# 1131

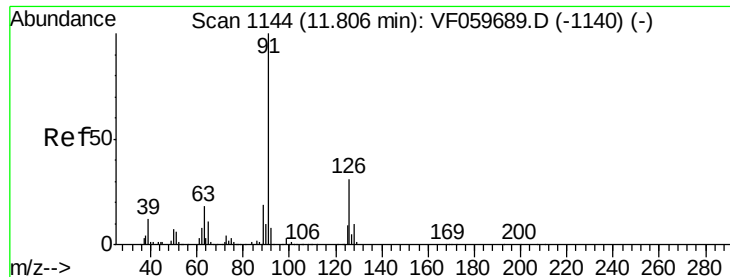
Delta R.T. -0.01 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		652886		
120	20.4	11.0	33.0		





#79
 2-Chlorotoluene
 Concen: 55.11 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

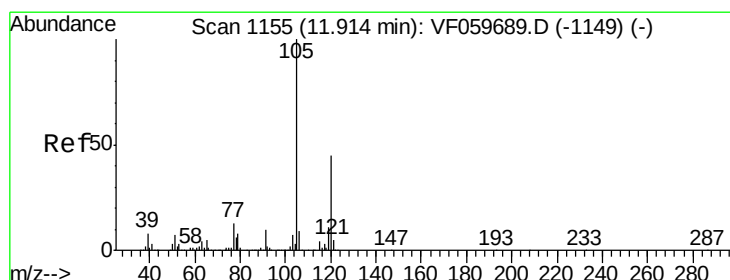
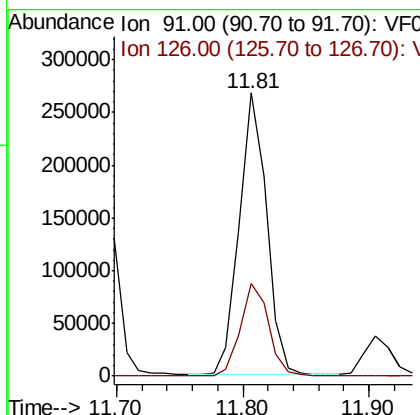
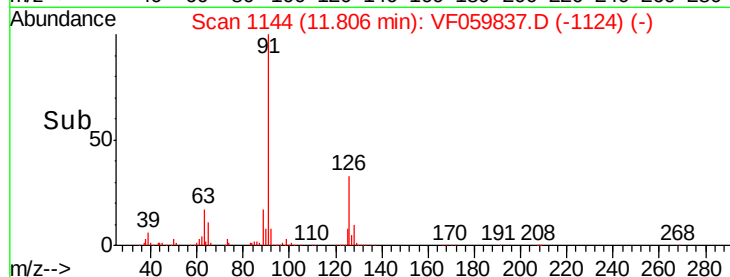
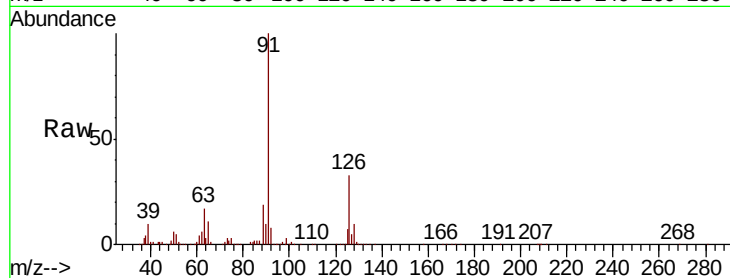
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		401248		
126	32.8	15.4	46.2		

Manual Integrations
 APPROVED

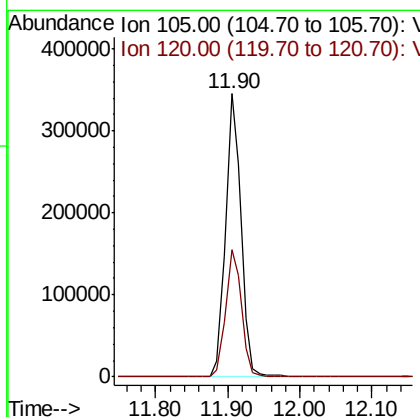
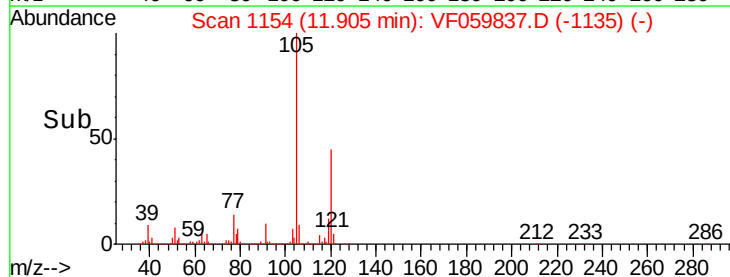
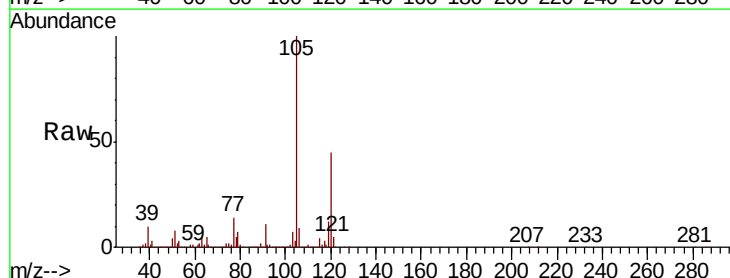
apatel

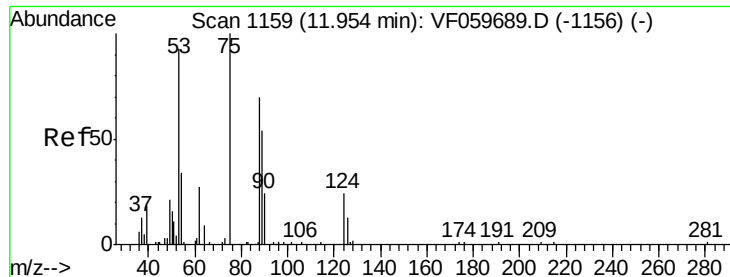
8/6/2018 10:04:38 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 57.49 ug/l
 RT: 11.90 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		513542		
120	44.9	22.7	68.0		





#81
trans-1,4-Dichloro-2-butene
Concen: 55.87 ug/l m
RT: 11.95 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

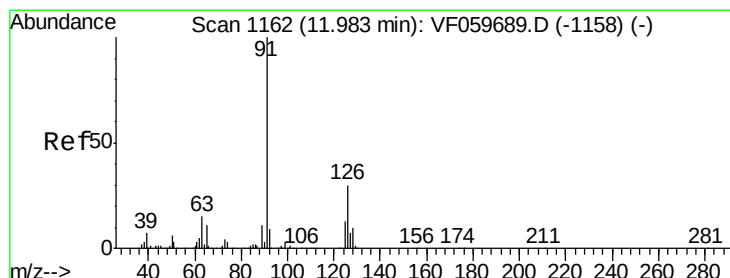
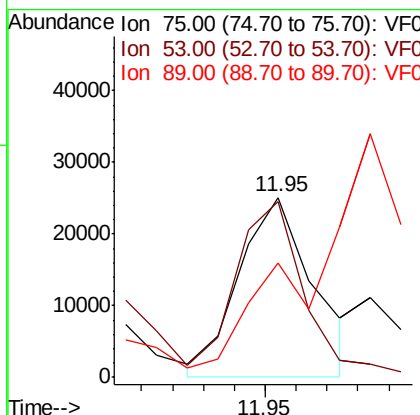
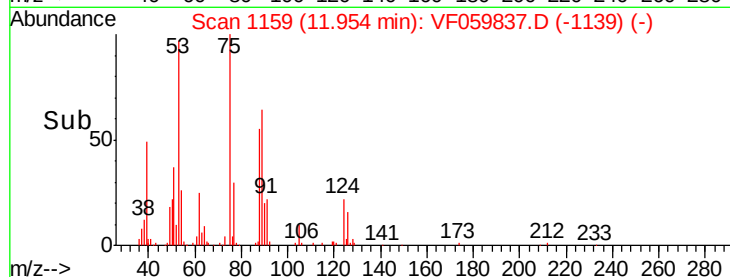
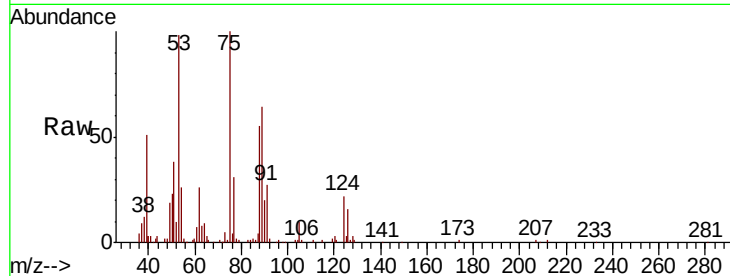
Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	78.3	117.5
89	63.7	45.4	68.2

Manual Integrations
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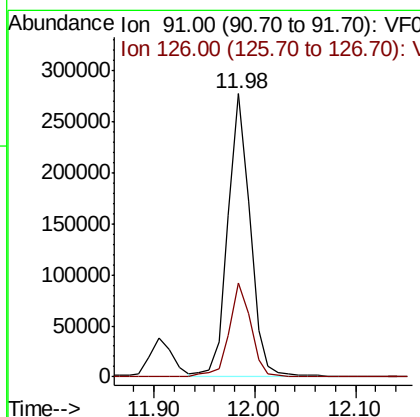
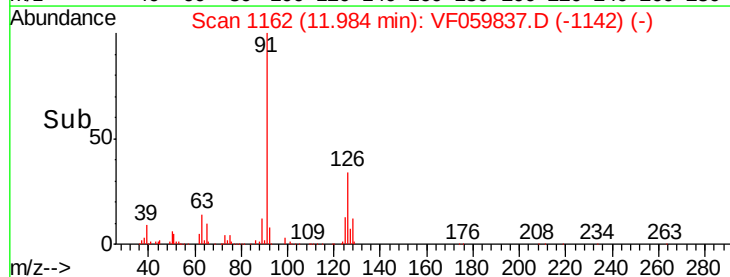
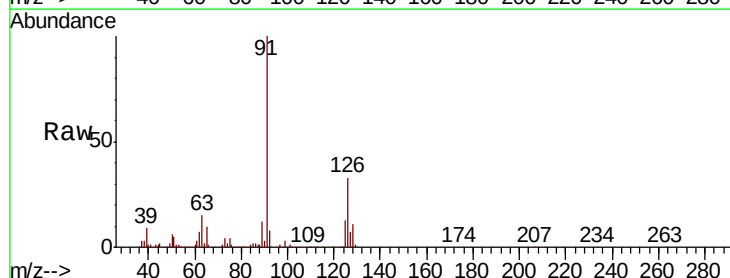
apatel

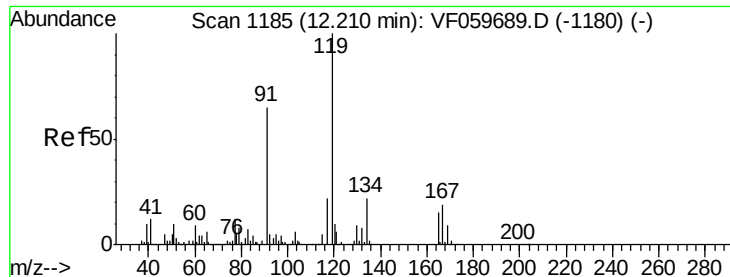
8/6/2018 10:04:38 AM



#82
4-Chlorotoluene
Concen: 54.41 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	15.2	45.6





#83
 tert-Butylbenzene
 Concen: 50.23 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

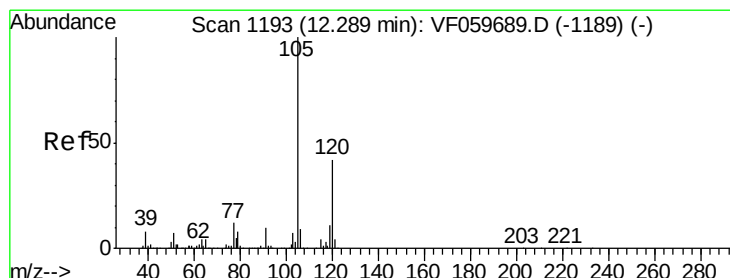
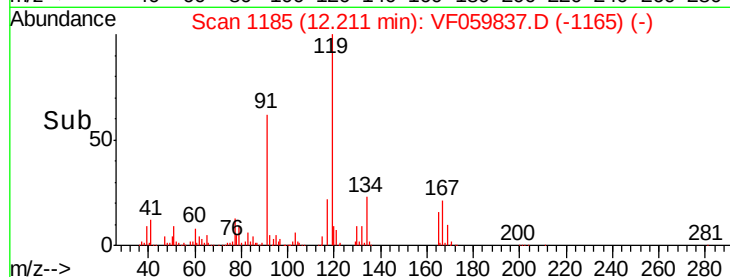
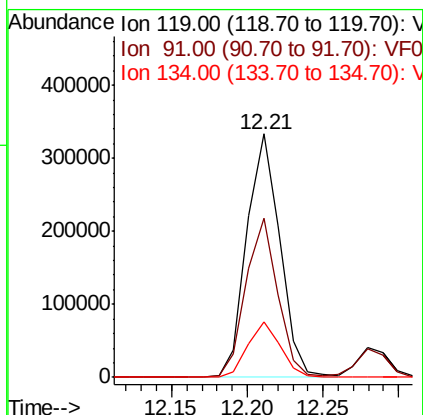
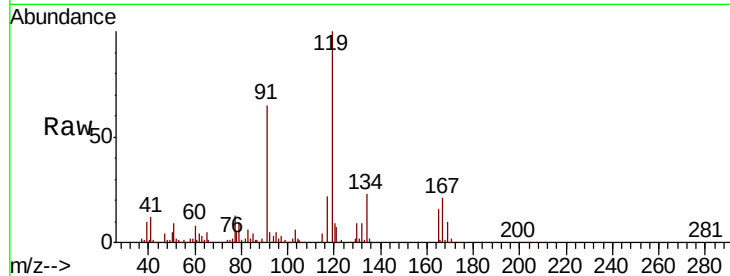
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	119	Resp:	513042
Ion Ratio	Lower	Upper	
119	100		
91	65.4	32.8	98.4
134	22.8	10.9	32.7

Manual Integrations
 APPROVED

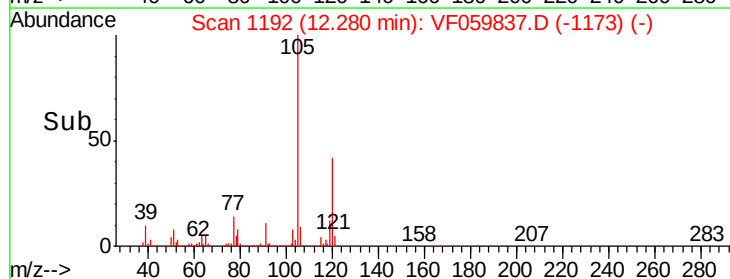
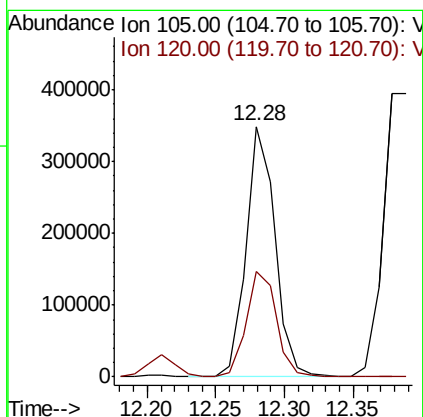
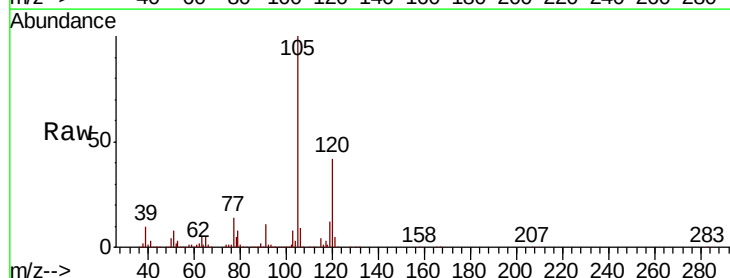
apatel

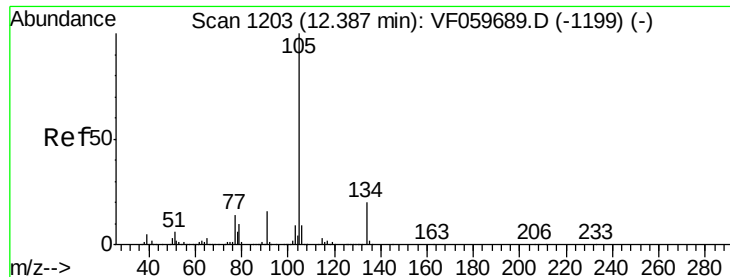
8/6/2018 10:04:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.23 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

Tgt Ion:	105	Resp:	509831
Ion Ratio	Lower	Upper	
105	100		
120	41.9	21.1	63.3





#85

sec-Butylbenzene

Concen: 56.65 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 650122

Ion Ratio Lower Upper

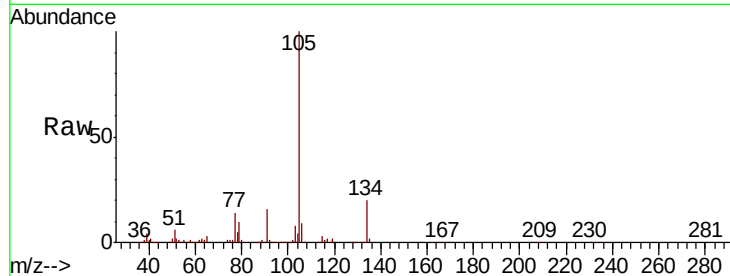
105 100

134 20.4 9.8 29.3

Manual Integrations
APPROVED

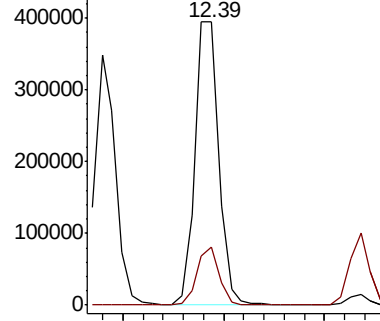
apatel

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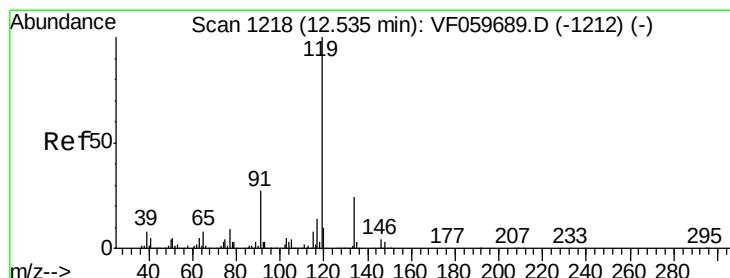
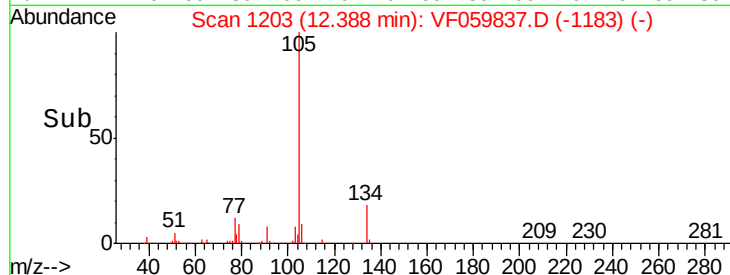


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 56.72 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059837.D

Acq: 3 Aug 2018 14:08

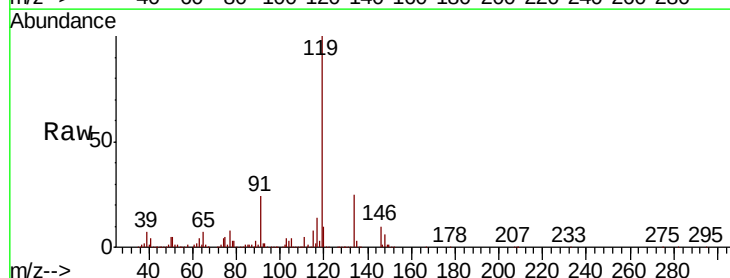
Tgt Ion:119 Resp: 567083

Ion Ratio Lower Upper

119 100

134 24.6 12.2 36.6

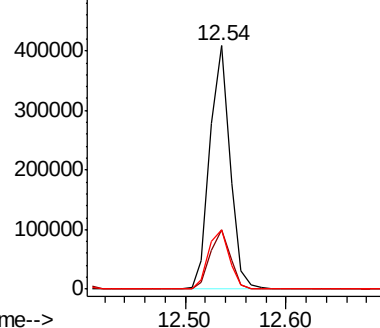
91 24.2 13.4 40.2



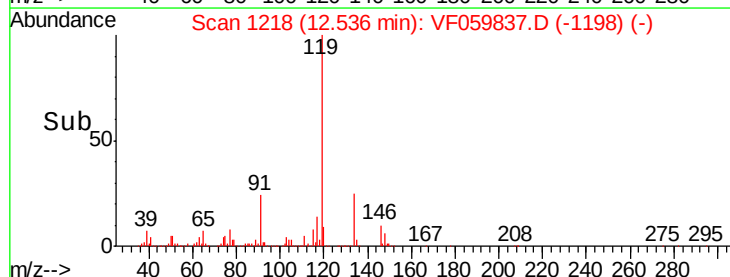
Abundance Ion 119.00 (118.70 to 119.70): V

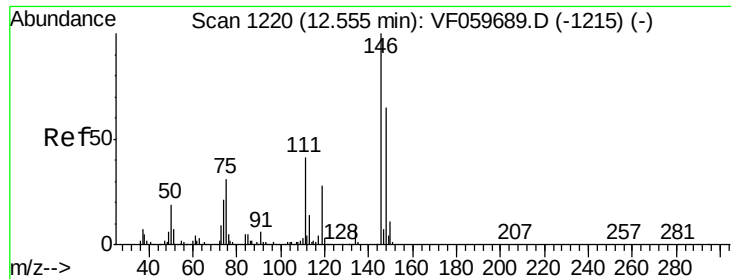
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#87
 1,3-Dichlorobenzene
 Concen: 55.80 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

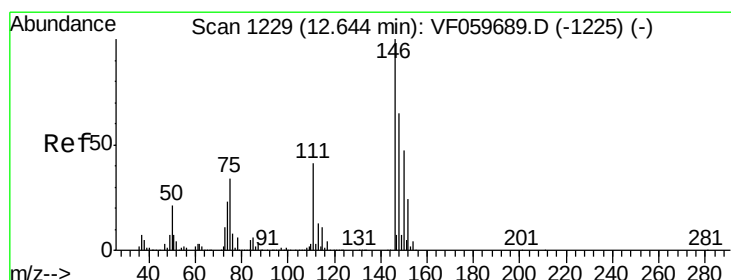
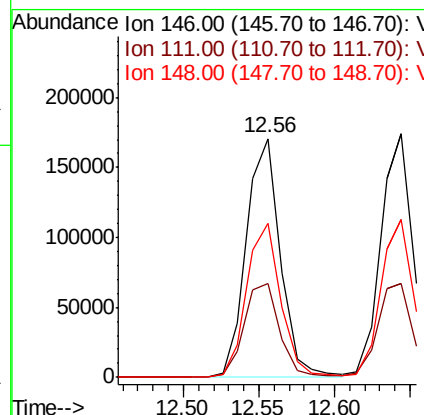
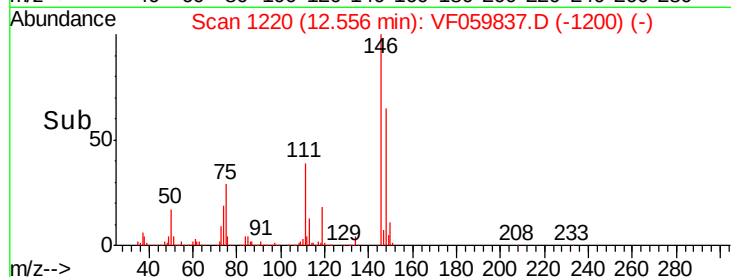
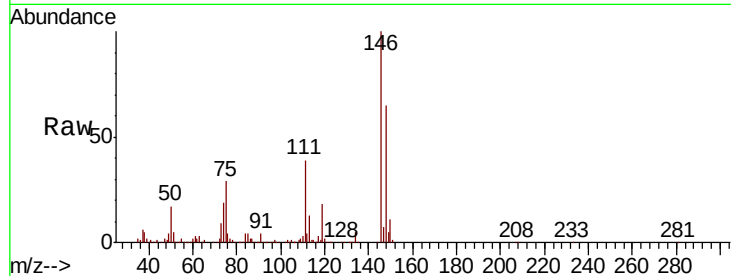
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	268357		
111	39.2	20.7	62.1	
148	64.6	32.3	96.8	

Manual Integrations
 APPROVED

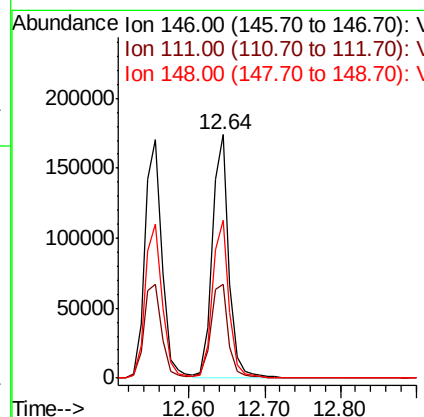
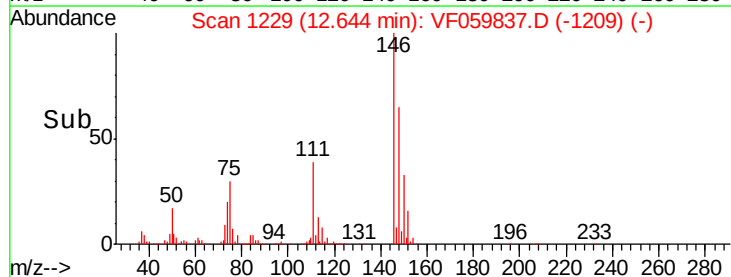
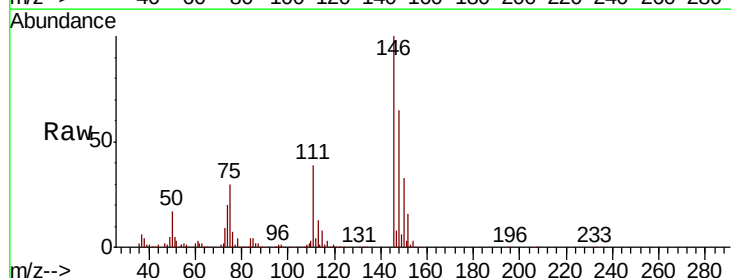
apatel

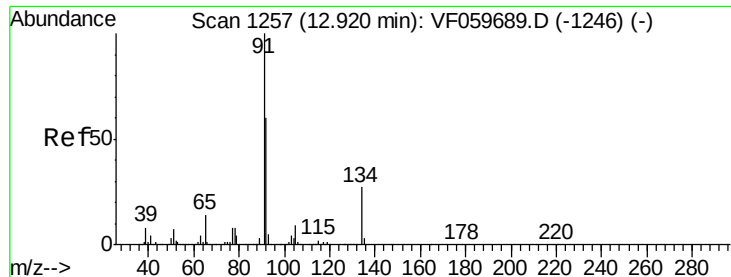
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#88
 1,4-Dichlorobenzene
 Concen: 54.89 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	267761		
111	38.6	20.8	62.2	
148	64.7	32.3	96.9	





#89
n-Butylbenzene
Concen: 58.38 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

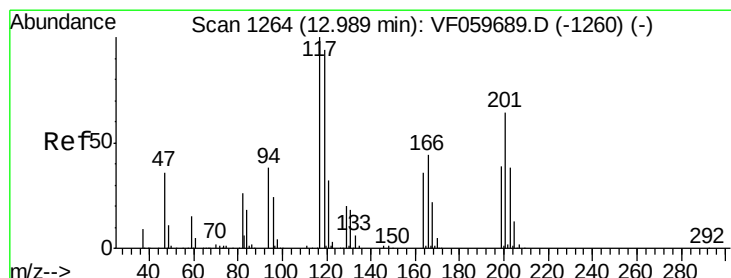
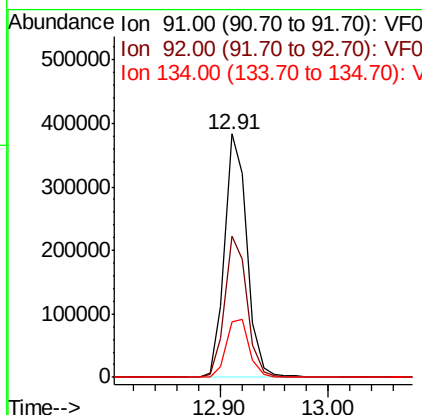
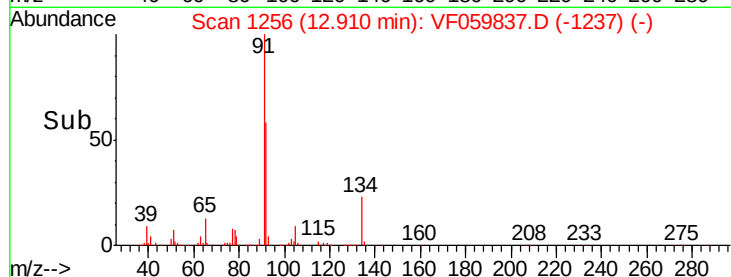
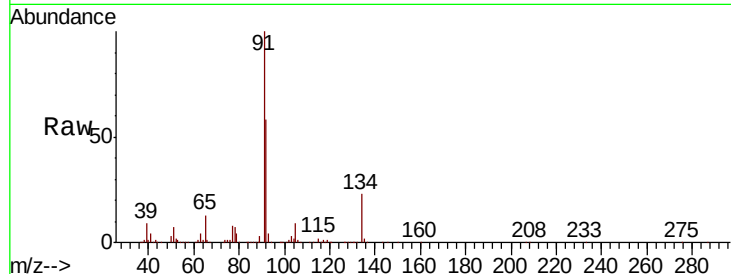
Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion:	91	Resp:	552135
Ion Ratio	Lower	Upper	
91	100		
92	58.2	30.1	90.3
134	22.7	13.7	41.0

Manual Integrations
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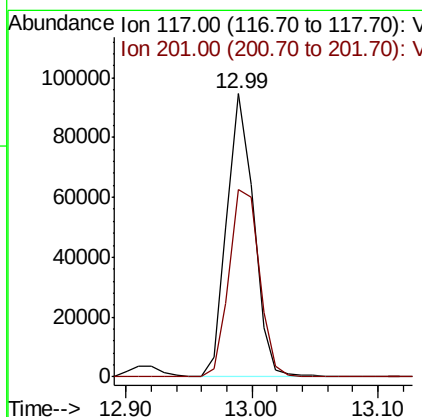
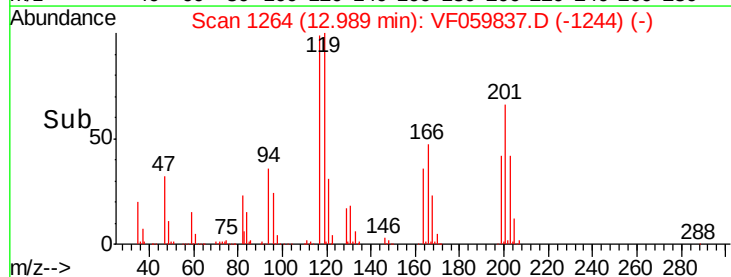
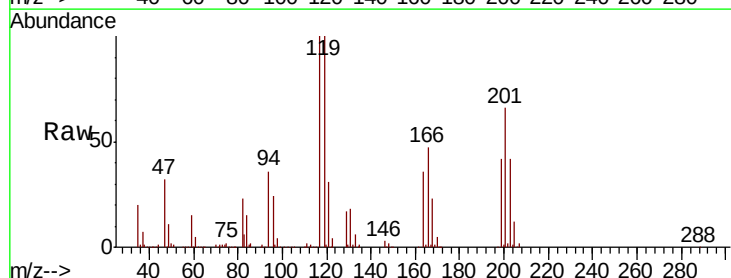
apatel

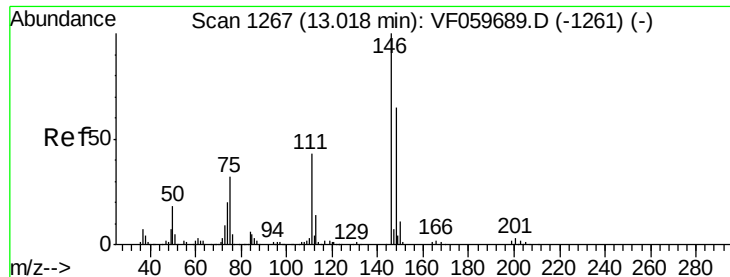
8/6/2018 10:04:38 AM



#90
Hexachloroethane
Concen: 48.57 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion:	117	Resp:	139395
Ion Ratio	Lower	Upper	
117	100		
201	66.3	31.9	95.5





#91
 1,2-Dichlorobenzene
 Concen: 57.99 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

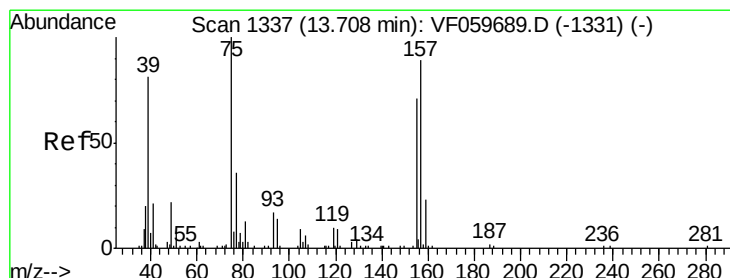
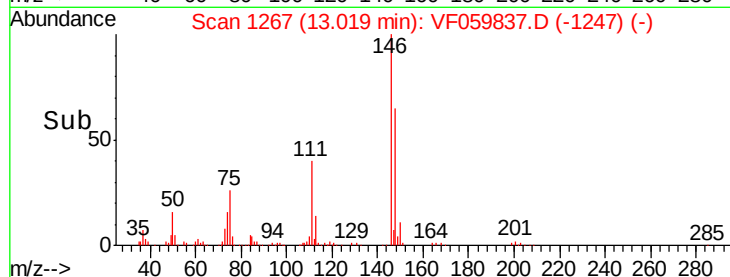
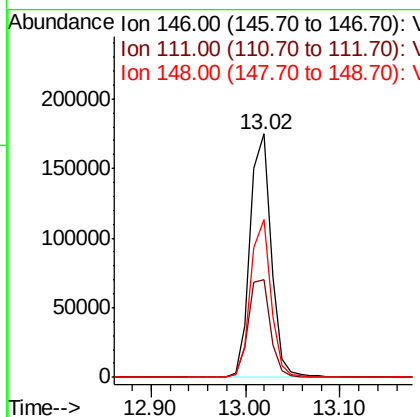
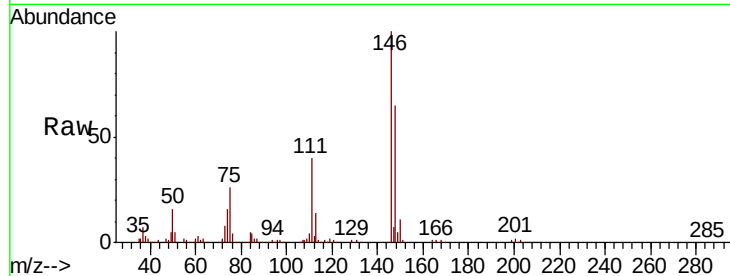
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.6	65.0
148	65.0	32.3	96.9

Manual Integrations
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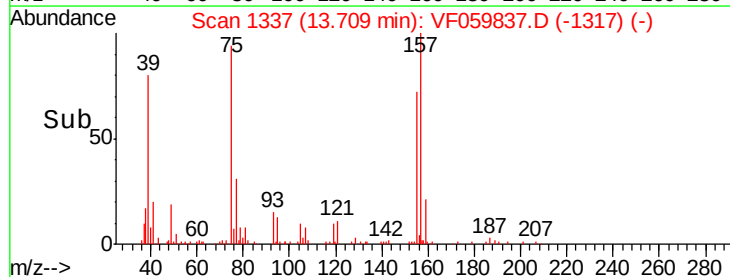
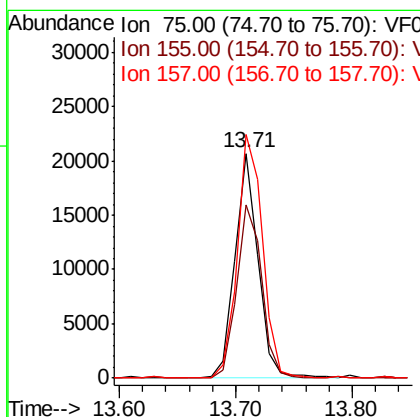
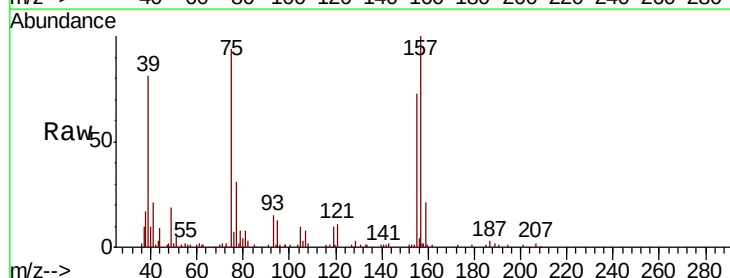
apatel

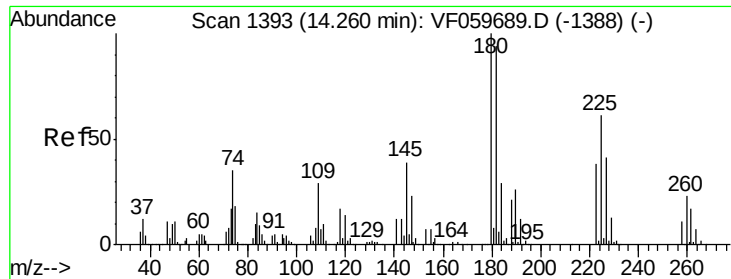
8/6/2018 10:04:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.52 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	35.4	106.2
157	108.3	44.4	133.2





#93
 1,2,4-Trichlorobenzene
 Concen: 56.35 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

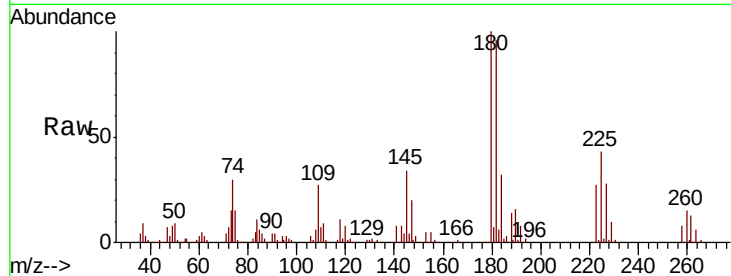
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	210554		
182	95.6	47.2	141.6	
145	34.0	19.3	57.9	

Manual Integrations
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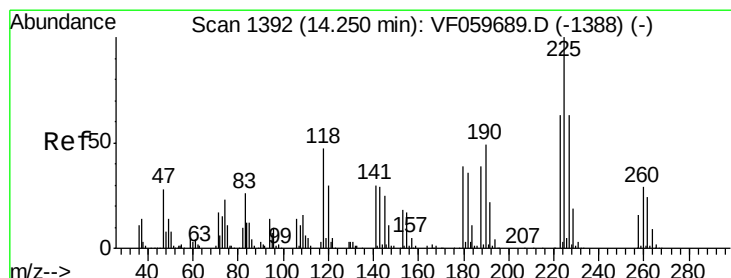
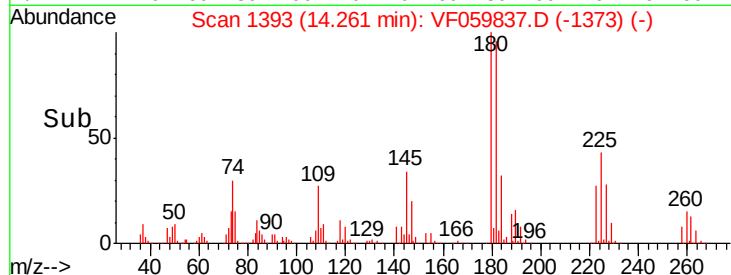
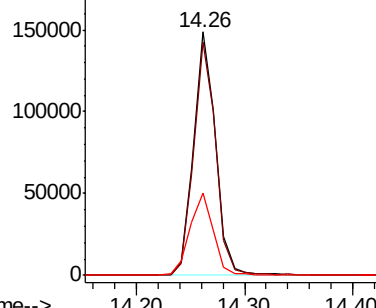


Abundance

Ion 180.00 (179.70 to 180.70): V

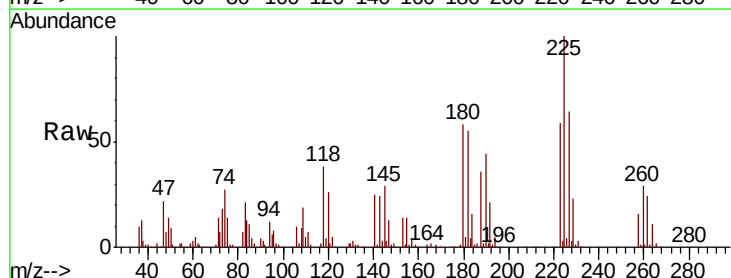
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 50.96 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059837.D
 Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144958		
223	59.2	31.4	94.2	
227	63.6	31.5	94.5	

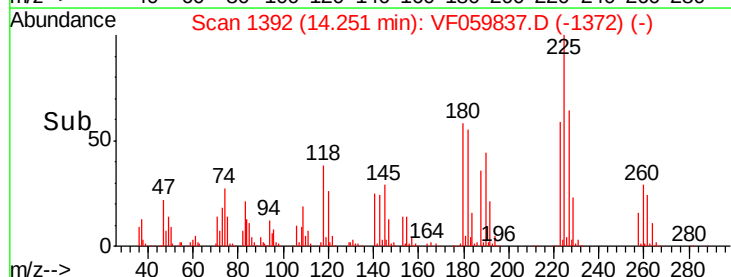
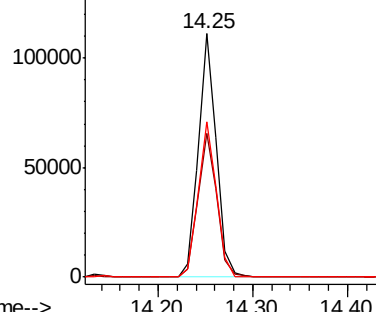


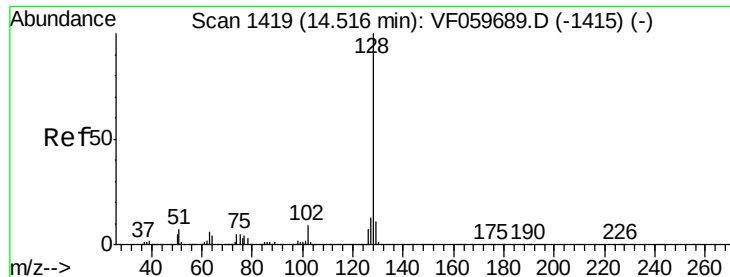
Abundance

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: 53.61 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

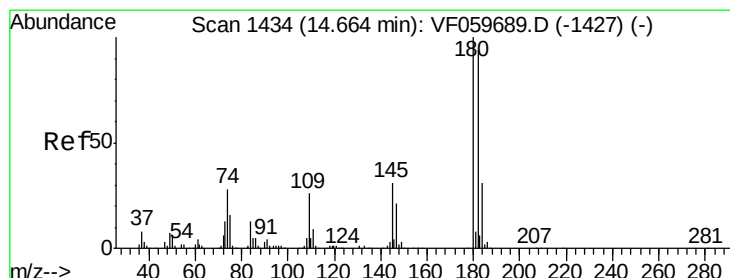
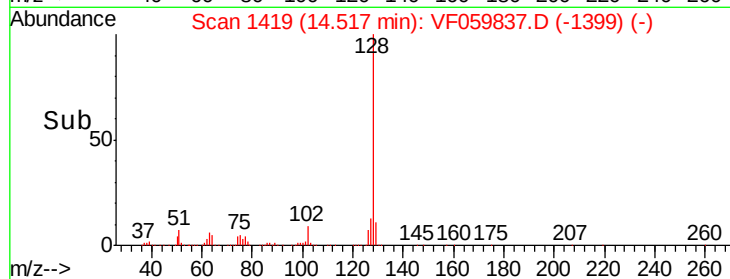
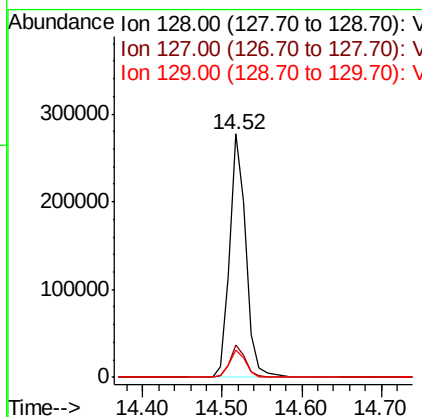
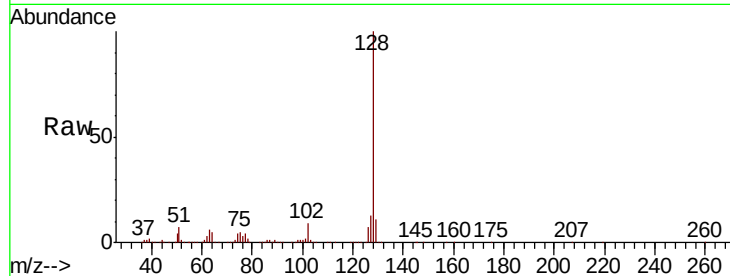
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	400822		
127	13.1	10.0	15.0	
129	11.0	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.26 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059837.D
Acq: 3 Aug 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	203560		
182	96.7	47.2	141.6	
145	31.9	15.6	46.7	

