

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\
 Data File : VF059937.D
 Acq On : 10 Aug 2018 11:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:33:45 PM

Quant Time: Aug 11 01:17:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	127779	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	174887	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	171499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	113583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	103516	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
35) Dibromofluoromethane	4.31	113	86252	49.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	7.72	98	199617	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
62) 4-Bromofluorobenzene	11.51	95	112786	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	103989	47.63	ug/l	96
3) Chloromethane	1.09	50	47586	47.12	ug/l	92
4) Vinyl Chloride	1.15	62	53456	51.67	ug/l	95
5) Bromomethane	1.34	94	43827	44.88	ug/l	100
6) Chloroethane	1.43	64	32213	49.57	ug/l	94
7) Trichlorofluoromethane	1.54	101	144010	50.86	ug/l	95
8) Diethyl Ether	1.71	74	20891	46.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	69194	44.28	ug/l	93
10) Methyl Iodide	1.97	142	113671	47.35	ug/l	98
11) Tert butyl alcohol	2.68	59	22433	241.42	ug/l	99
12) 1,1-Dichloroethene	1.86	96	53750	47.09	ug/l	84
13) Acrolein	2.09	56	12874	231.19	ug/l	97
14) Allyl chloride	2.20	41	88188	46.34	ug/l	97
15) Acrylonitrile	3.08	53	36608	215.00	ug/l #	95
16) Acetone	2.34	43	144502	339.79	ug/l	98
17) Carbon Disulfide	1.89	76	142453	46.75	ug/l	99
18) Methyl Acetate	2.45	43	33731	47.02	ug/l #	89
19) Methyl tert-butyl Ether	2.54	73	158710	49.11	ug/l	99
20) Methylene Chloride	2.29	84	50090m	47.01	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	49515	43.67	ug/l	92
22) Diisopropyl ether	2.93	45	172010	46.98	ug/l	90
23) Vinyl Acetate	3.34	43	468578	264.40	ug/l #	96
24) 1,1-Dichloroethane	3.01	63	120427	45.17	ug/l	99
25) 2-Butanone	4.51	43	126692	273.98	ug/l	98
26) 2,2-Dichloropropane	3.77	77	80439	51.83	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	58091	45.57	ug/l	80
28) Bromochloromethane	3.89	49	42560	45.21	ug/l	92
29) Tetrahydrofuran	4.26	42	41143	241.68	ug/l	99
30) Chloroform	4.05	83	157647	43.71	ug/l	93
31) Cyclohexane	3.88	56	63994	48.50	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	133824	46.38	ug/l	99
36) 1,1-Dichloropropene	4.47	75	103332	51.08	ug/l	98
37) Ethyl Acetate	4.30	43	46304	53.31	ug/l #	70
38) Carbon Tetrachloride	4.18	117	152032m	52.50	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	80063	52.78	ug/l	96
40) Benzene	4.82	78	171546	49.45	ug/l	97
41) Methacrylonitrile	4.93	41	21933	47.85	ug/l	92
42) 1,2-Dichloroethane	5.13	62	134508	48.02	ug/l	99
43) Isopropyl Acetate	7.12	43	52548	58.76	ug/l #	98
44) Trichloroethene	5.69	130	65614	48.70	ug/l	93
45) 1,2-Dichloropropane	6.41	63	47612	51.29	ug/l #	89
46) Dibromomethane	6.26	93	44944	47.98	ug/l	92
47) Bromodichloromethane	6.55	83	128993	50.35	ug/l #	99
48) Methyl methacrylate	6.88	41	41184	59.19	ug/l	91
49) 1,4-Dioxane	6.88	88	6525	1280.78	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	253903	277.66	ug/l	98
52) Toluene	7.79	92	131066	51.30	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	109196	56.03	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	110267	54.83	ug/l	88
55) 1,1,2-Trichloroethane	8.64	97	47407	51.55	ug/l	94
56) Ethyl methacrylate	8.77	69	52937	52.32	ug/l #	82
57) 1,3-Dichloropropane	9.01	76	83942	53.15	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.79	63	31859	261.83	ug/l	100
59) 2-Hexanone	9.64	43	201037	311.23	ug/l	98
60) Dibromochloromethane	8.87	129	86560	50.17	ug/l	97
61) 1,2-Dibromoethane	9.15	107	59861	53.42	ug/l	99
64) Tetrachloroethene	8.32	164	68053	46.00	ug/l	95
65) Chlorobenzene	9.96	112	175601	50.44	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	87128	50.32	ug/l	96
67) Ethyl Benzene	10.04	91	326230	53.79	ug/l	96
68) m/p-Xylenes	10.28	106	221657	105.73	ug/l	98
69) o-Xylene	10.83	106	119784	53.94	ug/l	100
70) Styrene	10.91	104	181717	54.83	ug/l	98
71) Bromoform	10.89	173	56280	53.03	ug/l	95
73) Isopropylbenzene	11.24	105	398735	56.36	ug/l	99
74) N-amyl acetate	11.47	43	93613	53.27	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	65634	49.41	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	57841	50.70	ug/l	100
77) Bromobenzene	11.60	156	100947	52.47	ug/l	97
78) n-propylbenzene	11.69	91	460023	55.06	ug/l	99
79) 2-Chlorotoluene	11.82	91	277611	52.53	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	351261	53.47	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	27022m	65.94	ug/l	
82) 4-Chlorotoluene	12.00	91	303009	52.80	ug/l	100
83) tert-Butylbenzene	12.22	119	353506	55.28	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	368321	54.51	ug/l	99
85) sec-Butylbenzene	12.40	105	448890	52.83	ug/l	95
86) p-Isopropyltoluene	12.55	119	409627	57.36	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	186833	51.25	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	178902	49.99	ug/l	96
89) n-Butylbenzene	12.92	91	391564	57.53	ug/l	98
90) Hexachloroethane	13.00	117	95764	48.60	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	184967	52.73	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	19663	58.72	ug/l	93

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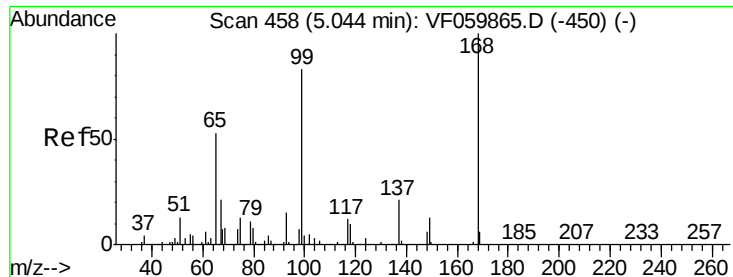
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	152804	57.37	ug/l	95
94) Hexachlorobutadiene	14.26	225	104287	55.43	ug/l	98
95) Naphthalene	14.53	128	268875	58.31	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	144362	54.89	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 127779

Ion Ratio Lower Upper

168 100

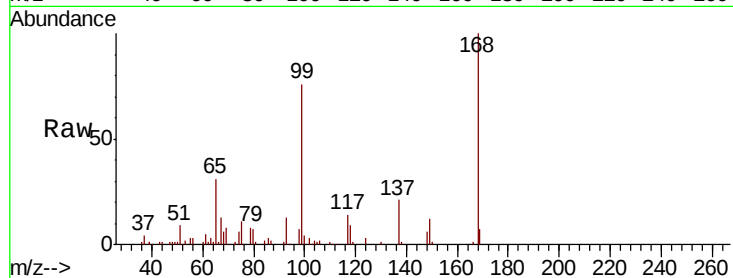
99 75.7 66.3 99.5

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

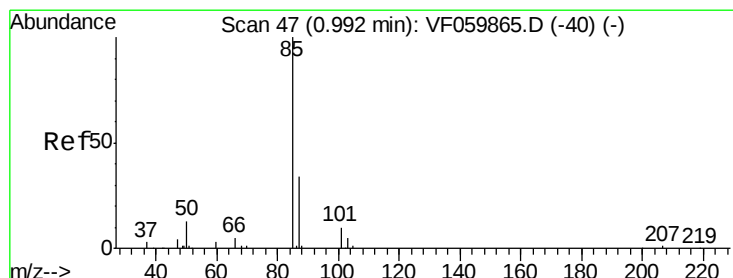
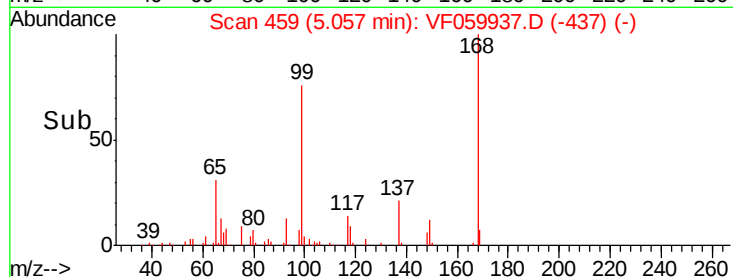
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.63 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059937.D

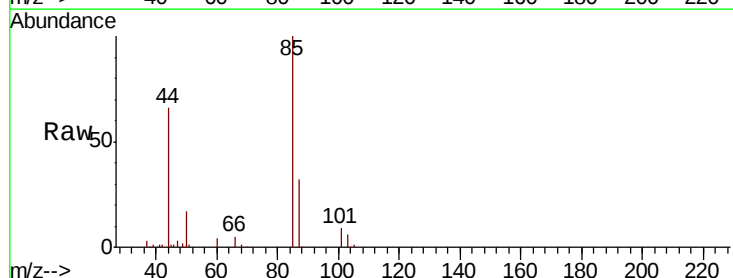
Acq: 10 Aug 2018 11:24

Tgt Ion: 85 Resp: 103989

Ion Ratio Lower Upper

85 100

87 31.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

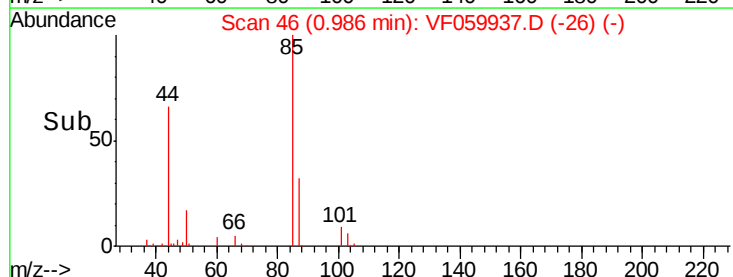
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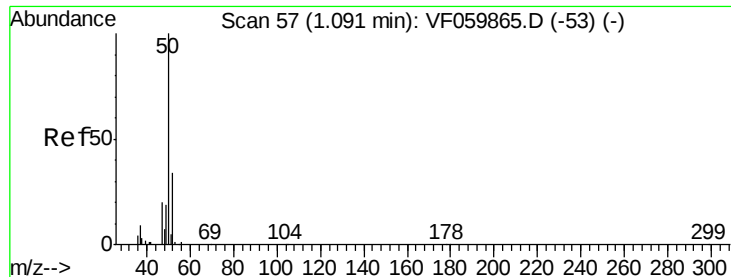
20000

10000

0

Time-->





#3

Chloromethane

Concen: 47.12 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 47586

Ion Ratio Lower Upper

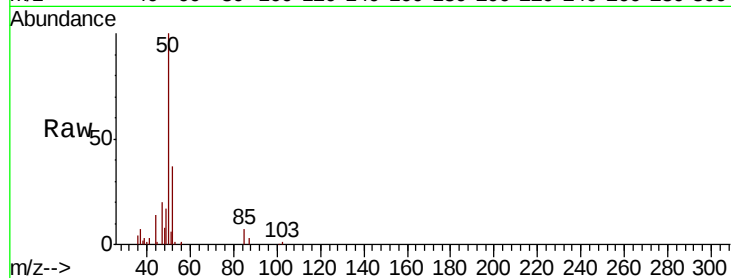
50 100

52 36.6 25.8 38.8

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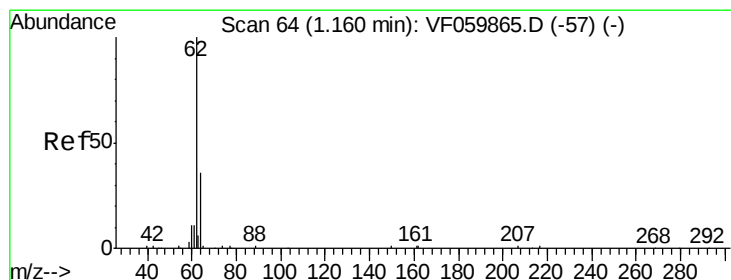
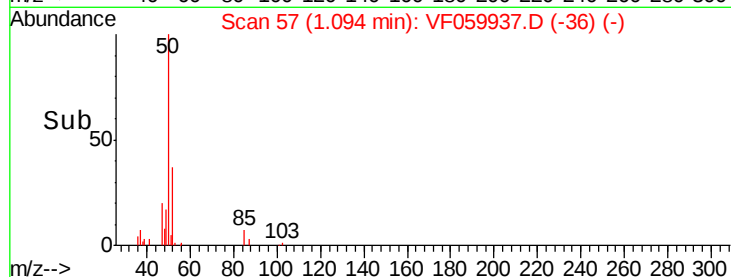
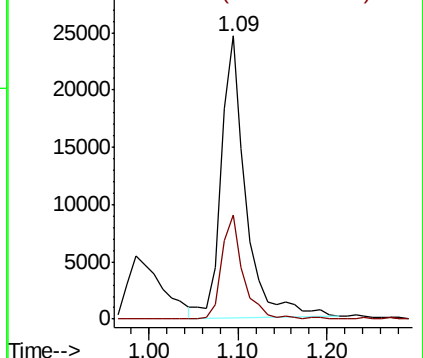
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 51.67 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059937.D

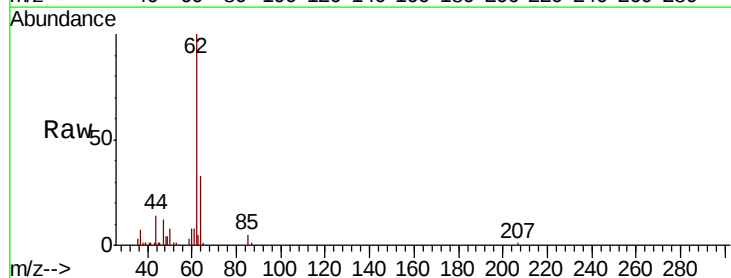
Acq: 10 Aug 2018 11:24

Tgt Ion: 62 Resp: 53456

Ion Ratio Lower Upper

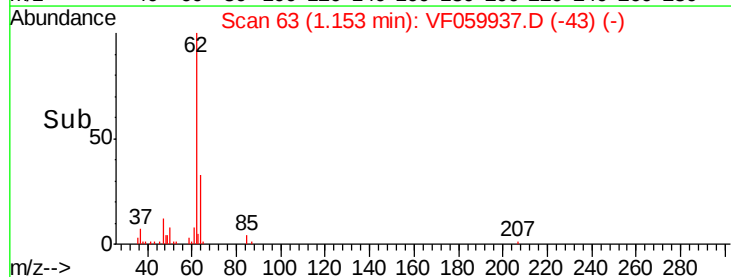
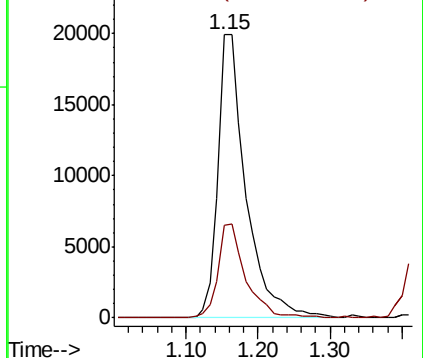
62 100

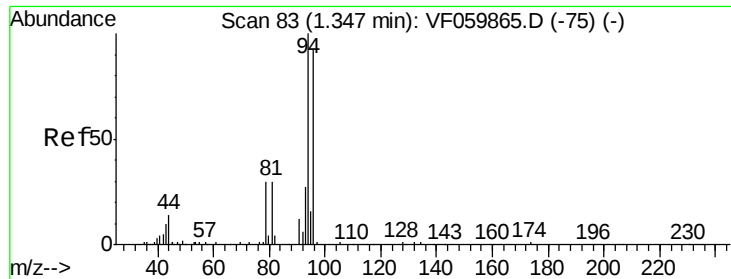
64 32.8 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 44.88 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

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MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 43827

Ion Ratio Lower Upper

94 100

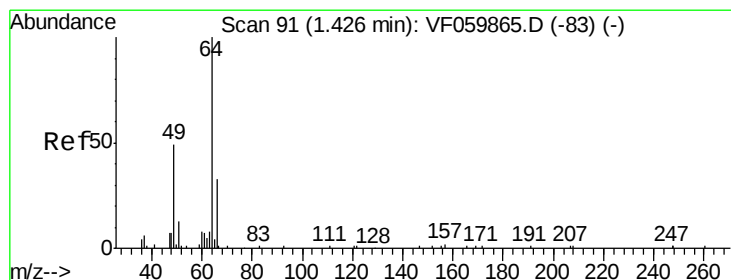
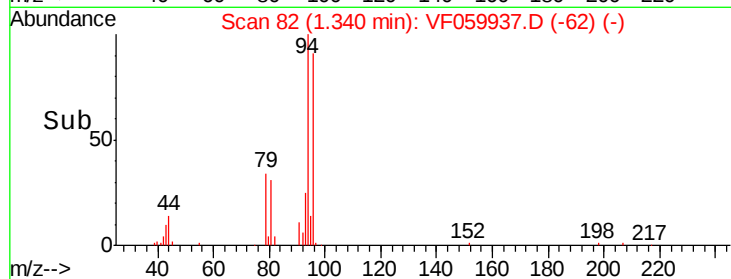
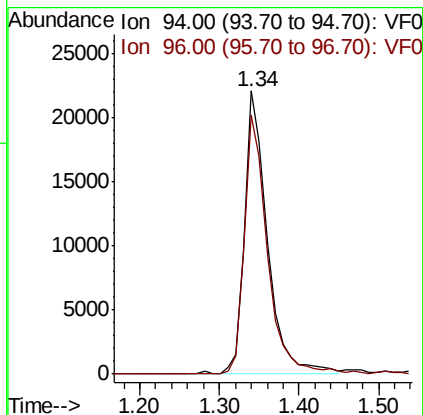
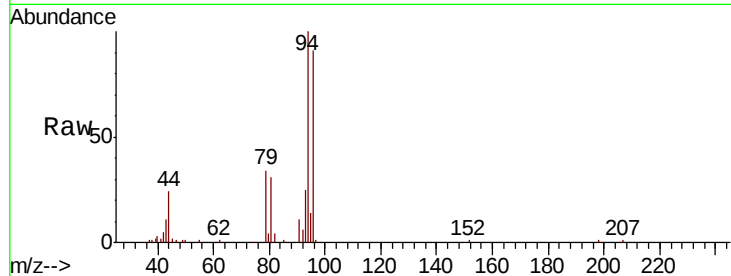
96 92.7 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 49.57 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059937.D

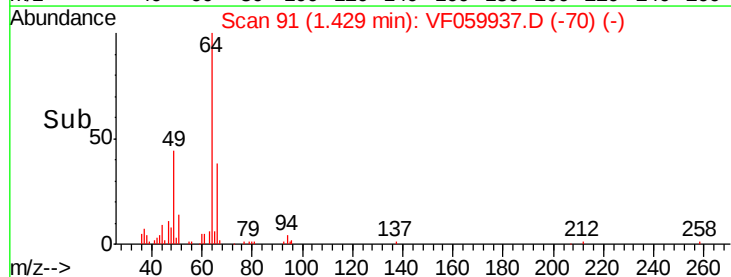
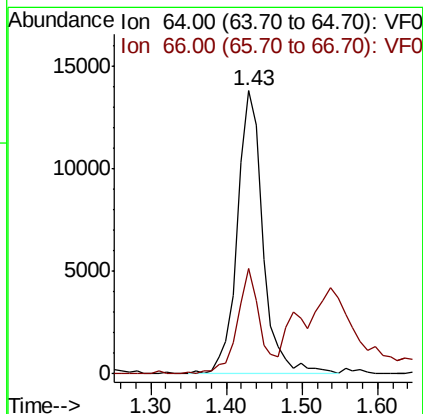
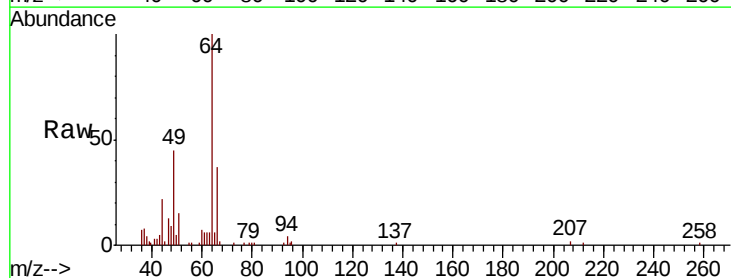
Acq: 10 Aug 2018 11:24

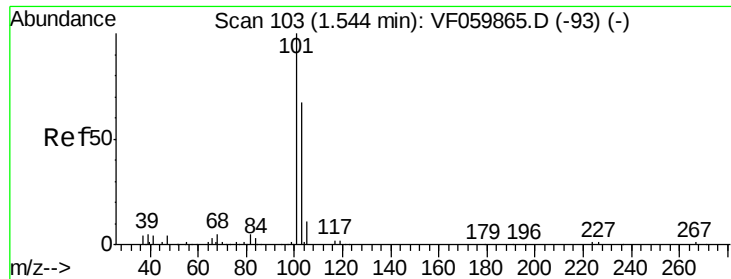
Tgt Ion: 64 Resp: 32213

Ion Ratio Lower Upper

64 100

66 37.3 26.9 40.3





#7

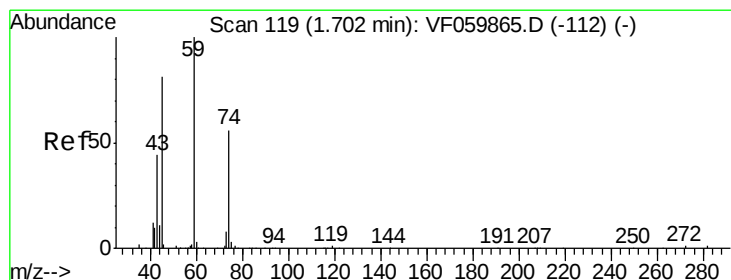
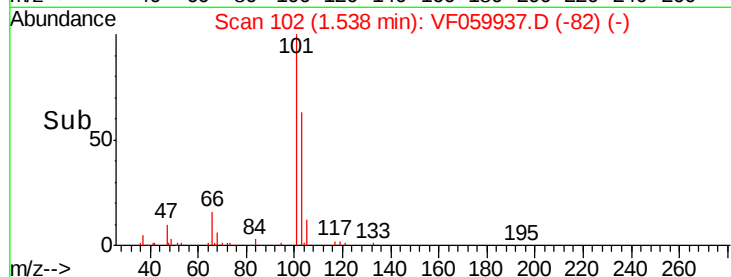
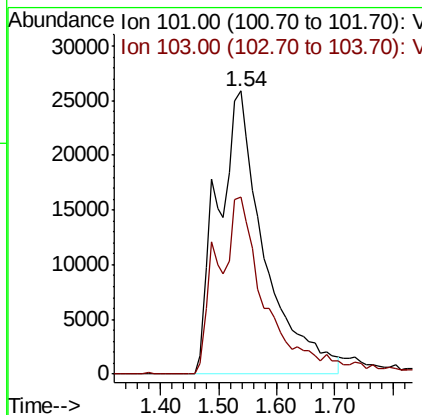
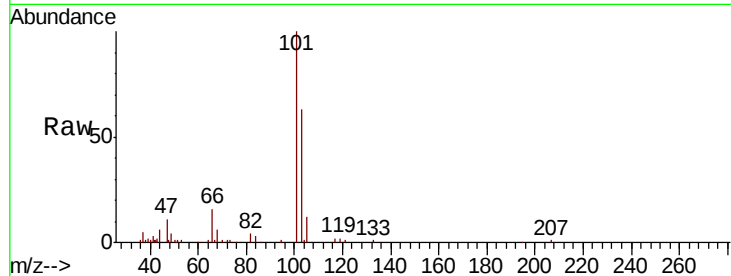
Trichlorofluoromethane
 Concen: 50.86 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	144010		
103	62.6	53.6	80.4	

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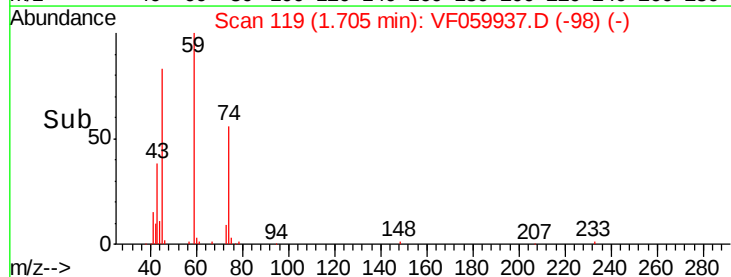
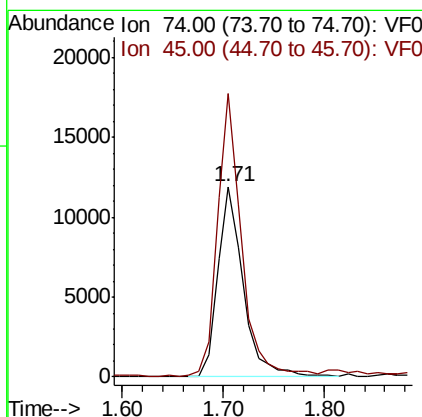
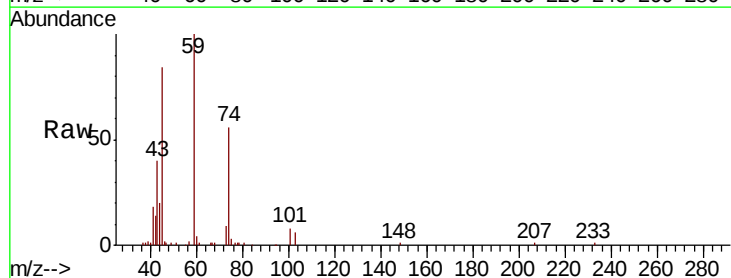
apatel
 8/13/2018 12:33:45 PM

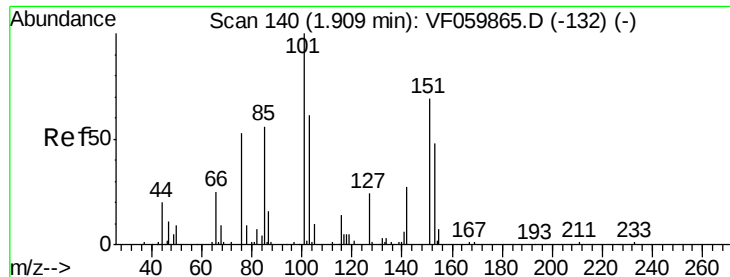


#8

Diethyl Ether
 Concen: 46.49 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	20891		
45	149.0	73.6	220.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.28 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059937.D

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Instrument :

MSVOA_F

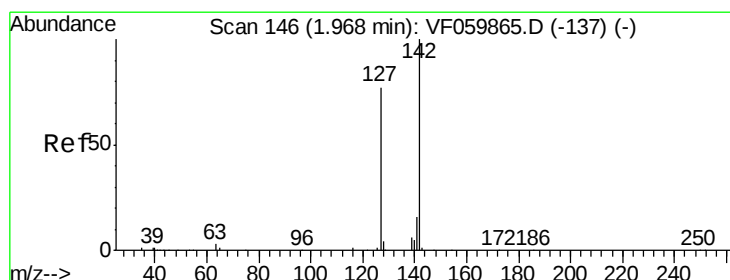
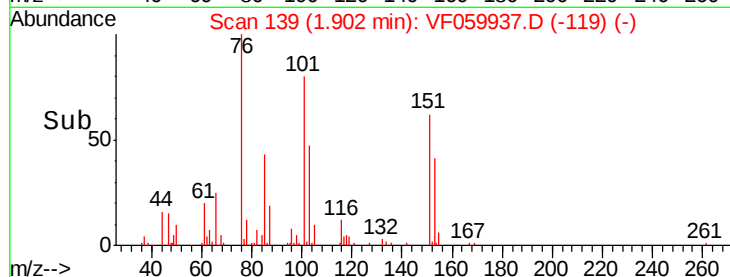
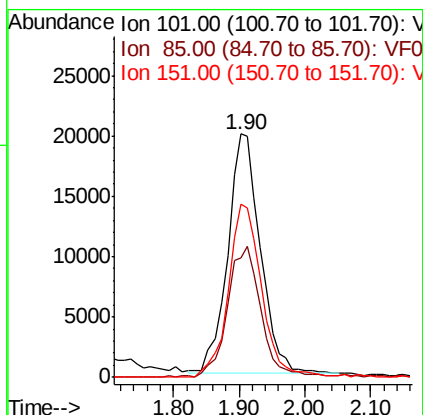
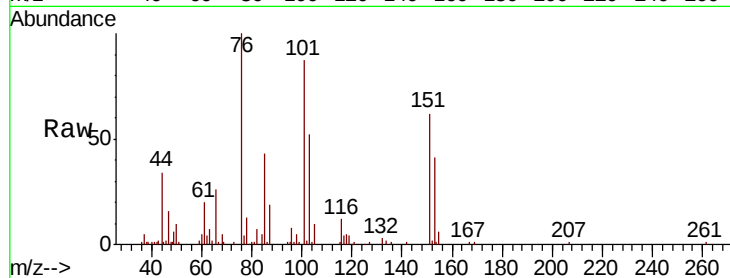
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	69194
Ion Ratio	Lower	Upper	
101	100		
85	49.0	44.5	66.7
151	71.2	53.8	80.8

Manual Integrations
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#10

Methyl Iodide

Concen: 47.35 ug/l

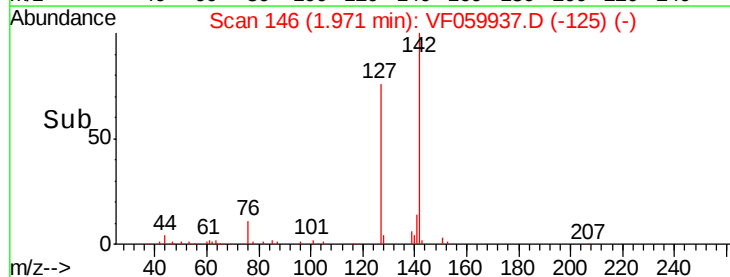
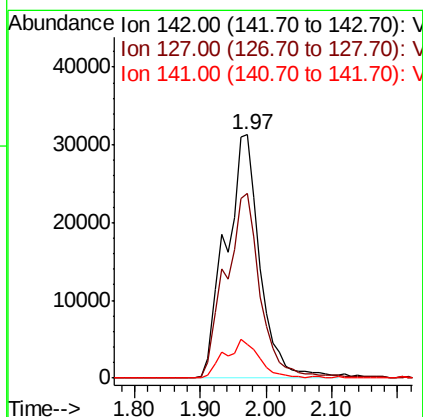
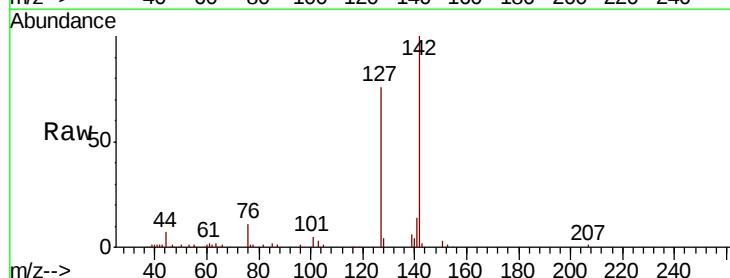
RT: 1.97 min Scan# 146

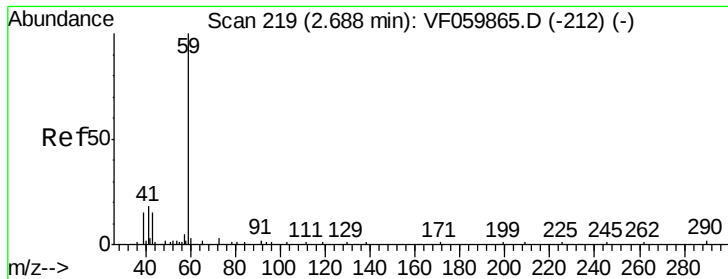
Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion:	142	Resp:	113671
Ion Ratio	Lower	Upper	
142	100		
127	75.8	61.5	92.3
141	13.8	13.0	19.4





#11

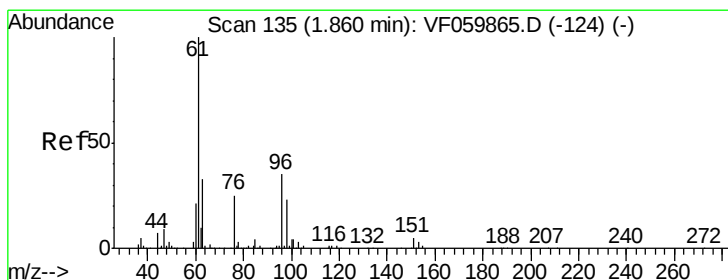
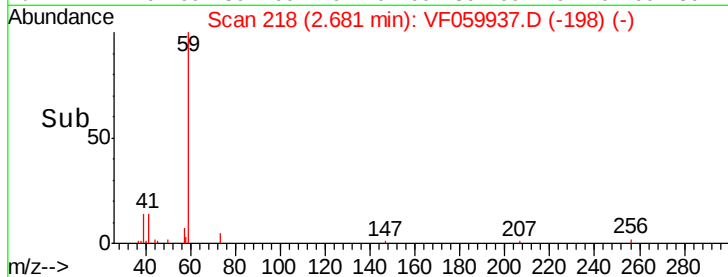
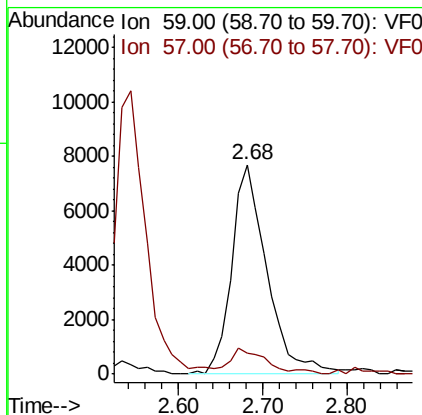
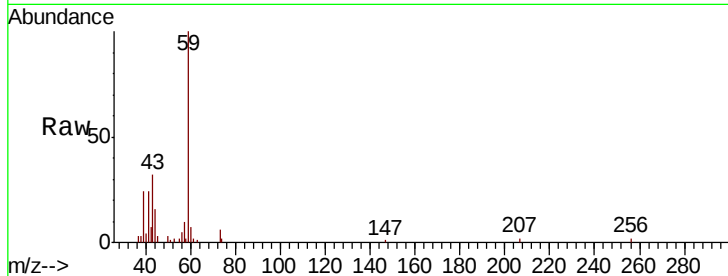
Tert butyl alcohol
 Concen: 241.42 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	22433
Ion Ratio	100	Lower	Upper
57	9.8	7.6	11.4

Manual Integrations
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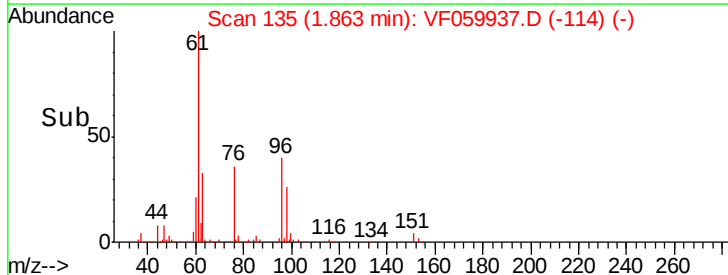
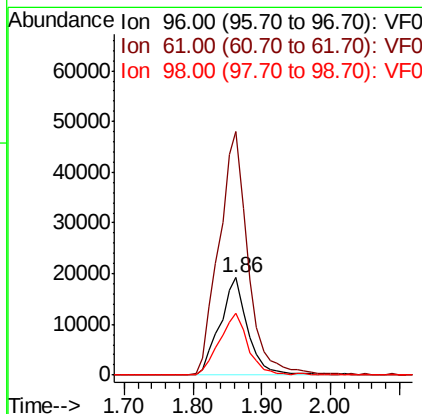
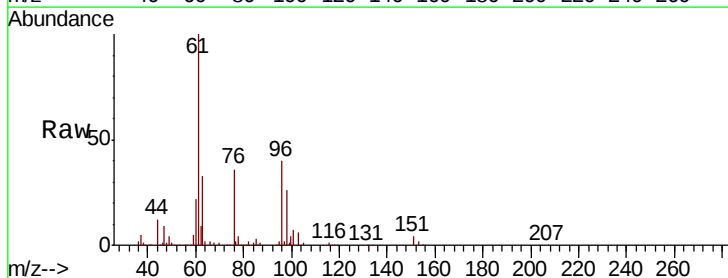
apatel
 8/13/2018 12:33:45 PM

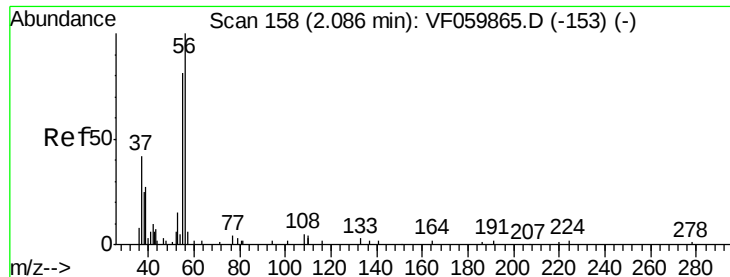


#12

1,1-Dichloroethene
 Concen: 47.09 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	96	Resp	53750
Ion Ratio	100	Lower	Upper
61	250.5	230.2	345.2
98	63.9	52.7	79.1





#13

Acrolein

Concen: 231.19 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 12874

Ion Ratio Lower Upper

56 100

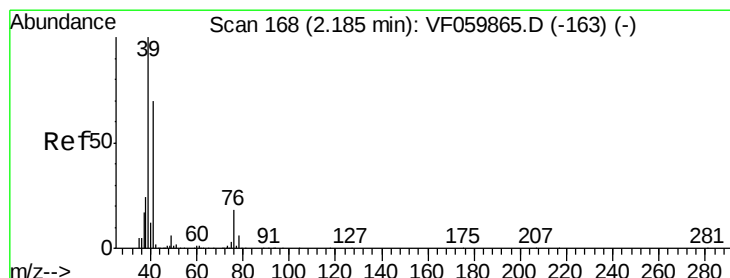
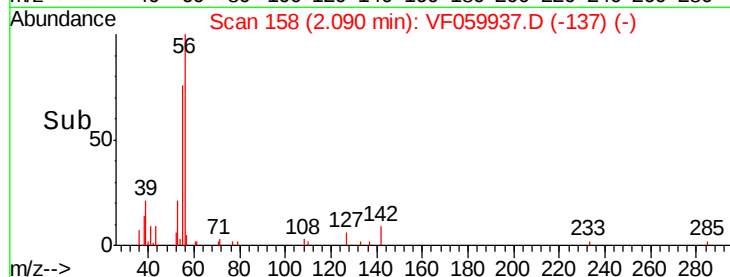
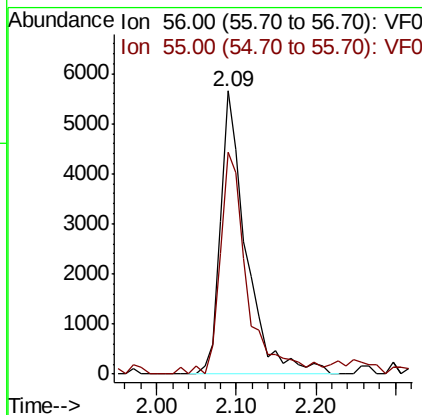
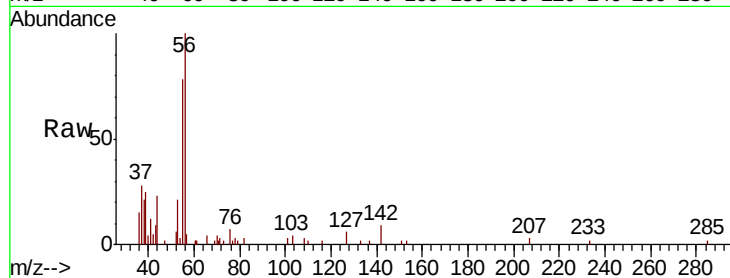
55 78.2 64.6 96.8

Manual Integrations

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#14

Allyl chloride

Concen: 46.34 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

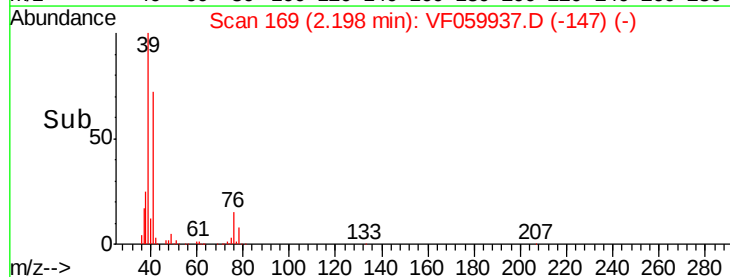
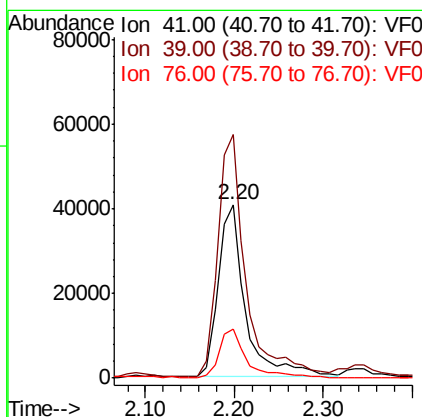
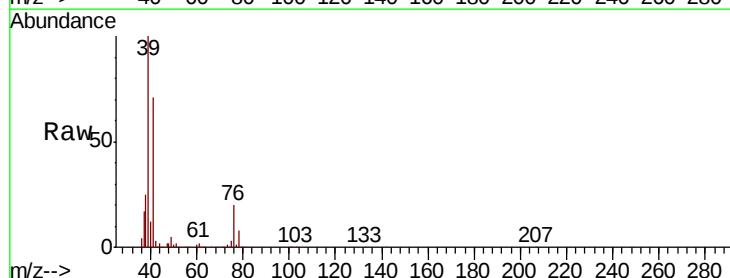
Tgt Ion: 41 Resp: 88188

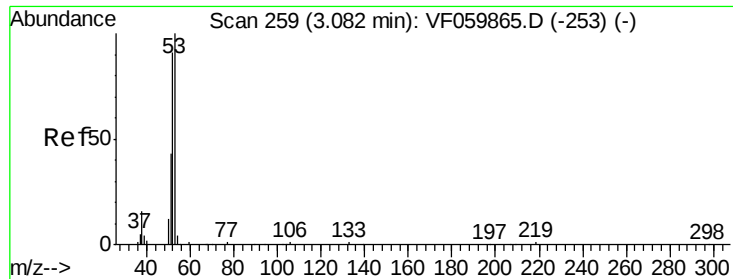
Ion Ratio Lower Upper

41 100

39 140.0 114.6 171.8

76 28.4 21.0 31.4





#15

Acrylonitrile

Concen: 215.00 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

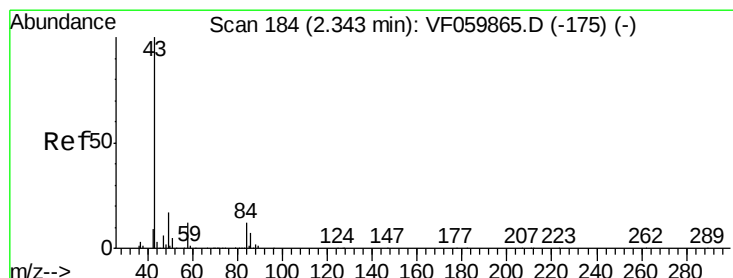
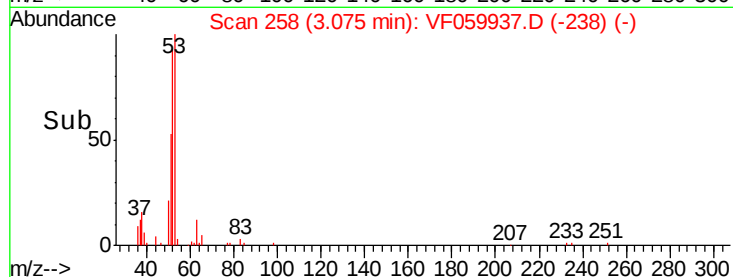
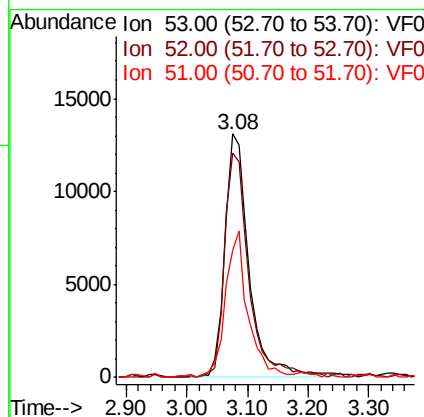
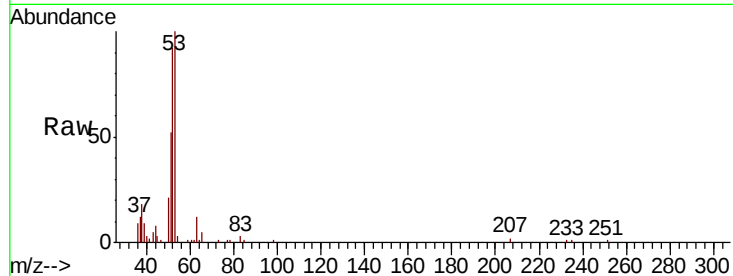
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	36608
Ion Ratio	Lower	Upper	
53	100		
52	92.1	72.9	109.3
51	52.4	34.5	51.7#

Manual Integrations
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#16

Acetone

Concen: 339.79 ug/l

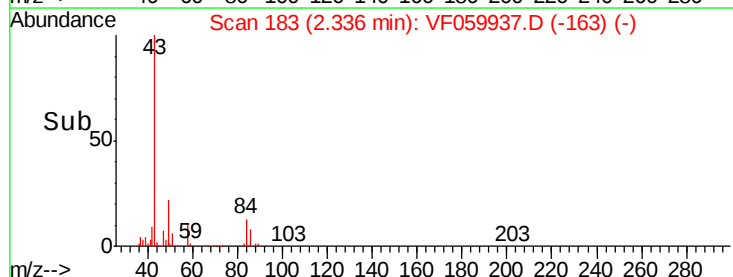
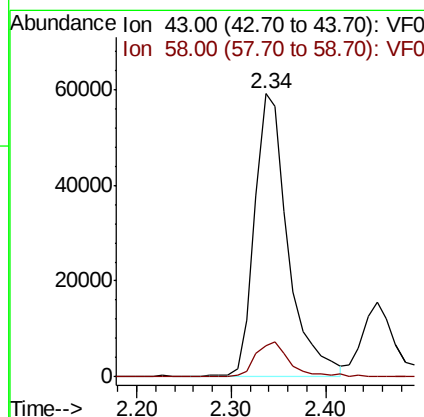
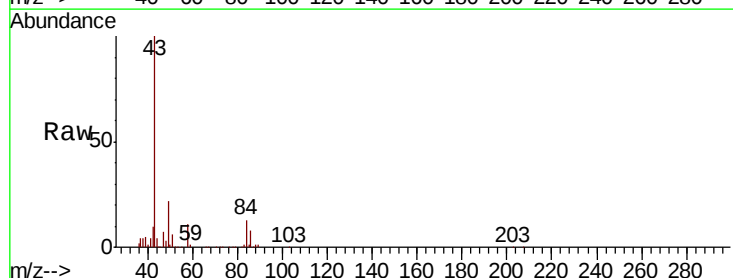
RT: 2.34 min Scan# 183

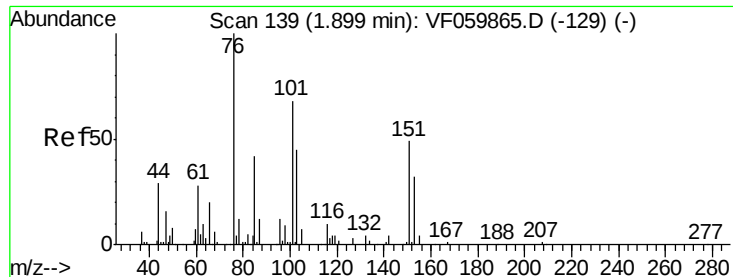
Delta R.T. -0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion:	43	Resp:	144502
Ion Ratio	Lower	Upper	
43	100		
58	11.1	9.4	14.0





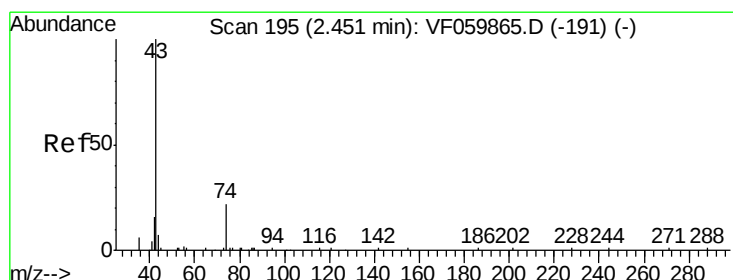
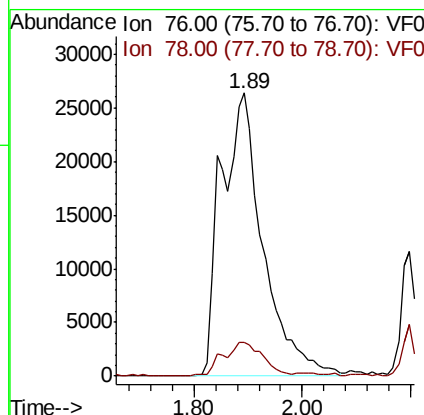
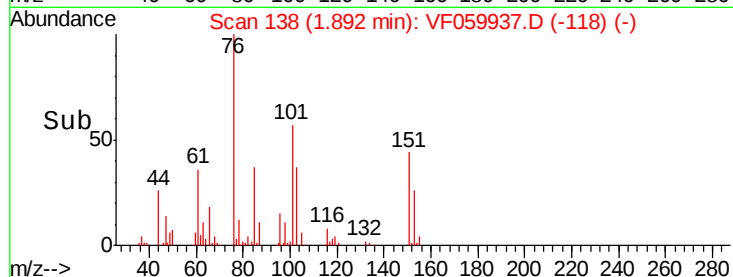
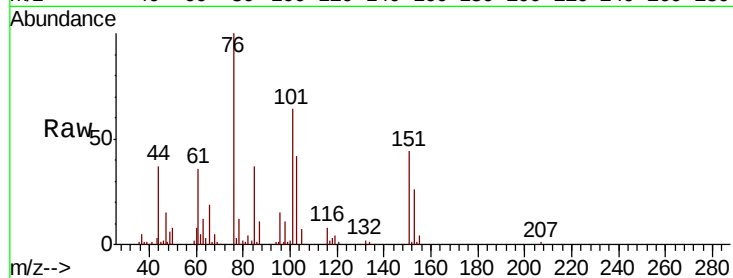
#17
Carbon Disulfide
Concen: 46.75 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.1	9.3	13.9

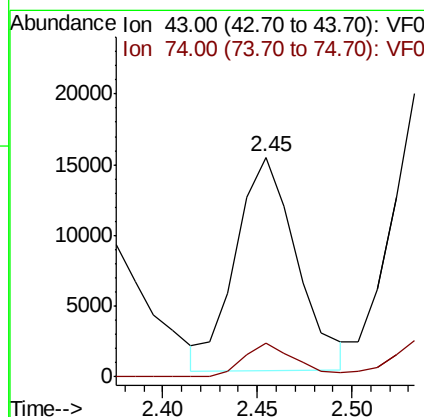
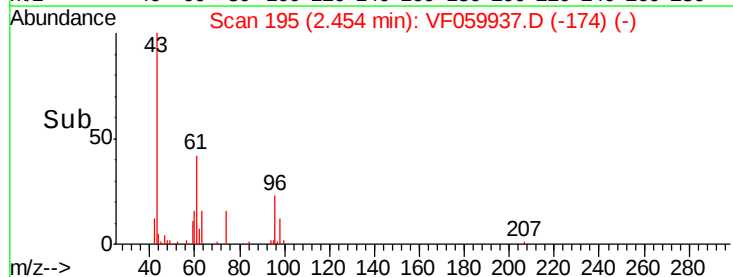
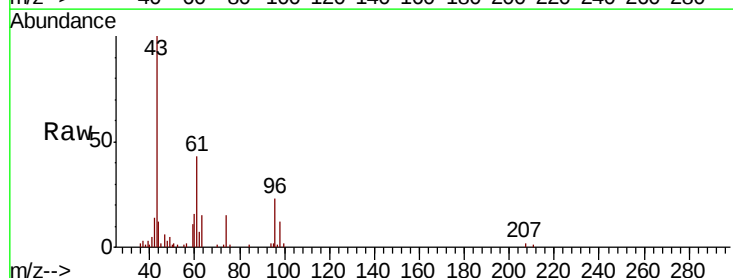
Manual Integrations
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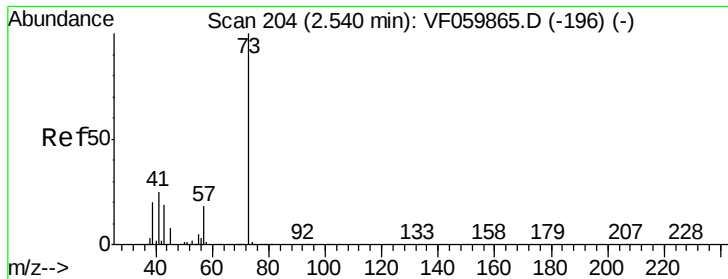
apatel
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#18
Methyl Acetate
Concen: 47.02 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.5	16.3	24.5#





#19

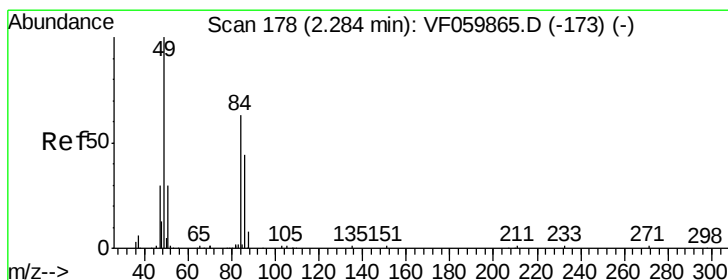
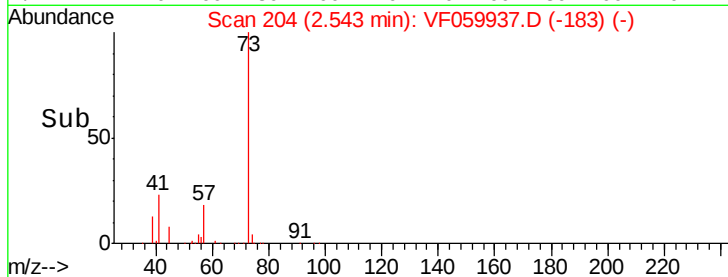
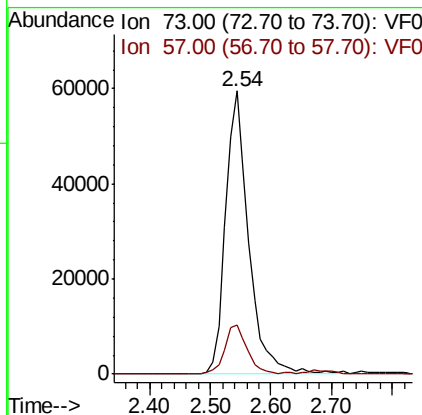
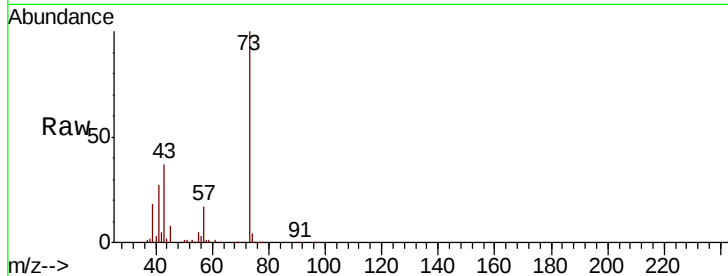
Methyl tert-butyl Ether
 Concen: 49.11 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	14.3	21.5

Manual Integrations
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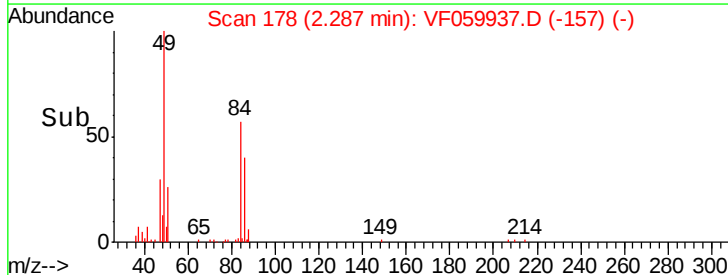
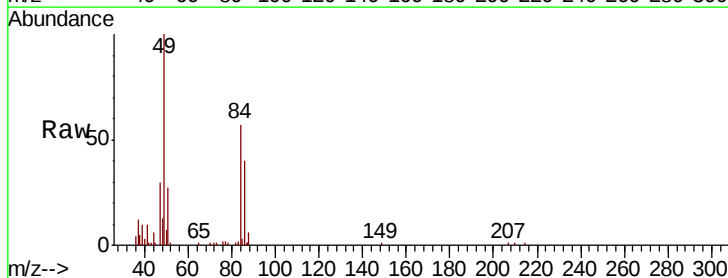
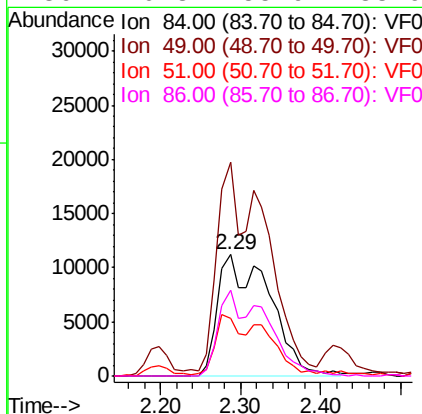
apatel
 8/13/2018 12:33:45 PM

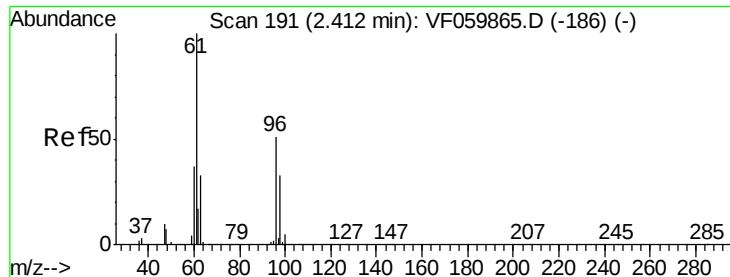


#20

Methylene Chloride
 Concen: 47.01 ug/l m
 RT: 2.29 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	176.1	128.7	193.1
51	47.7	39.3	58.9
86	70.3	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 43.67 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

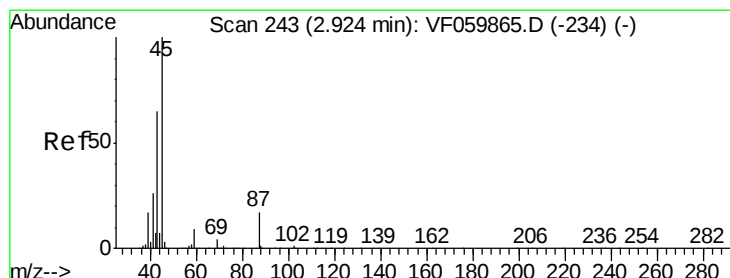
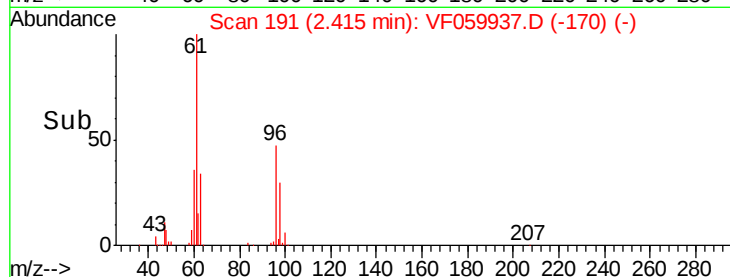
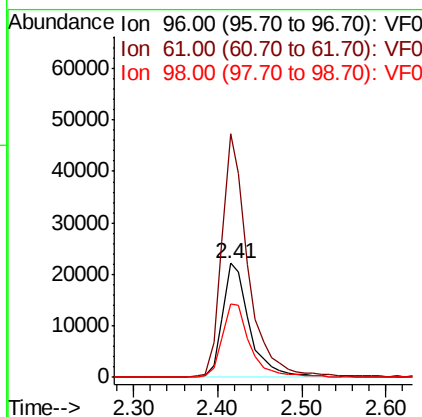
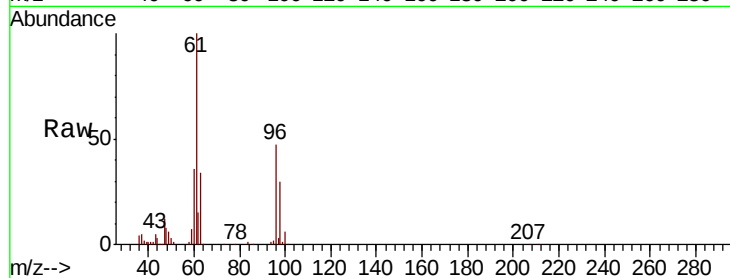
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	49515
Ion	Ratio	Lower	Upper
96	100		
61	213.7	158.2	237.4
98	64.0	52.0	78.0

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#22

Diisopropyl ether

Concen: 46.98 ug/l

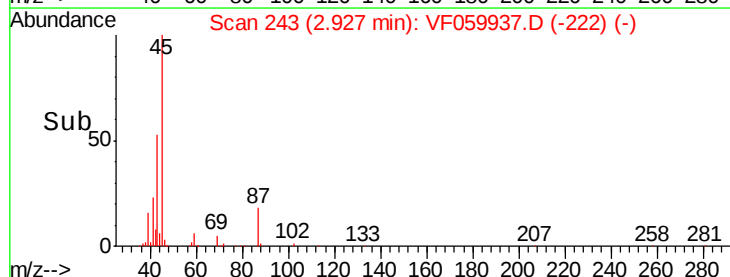
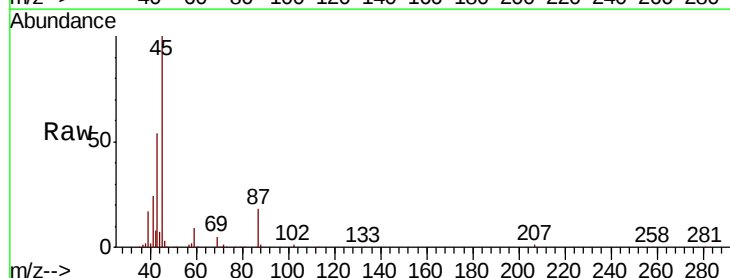
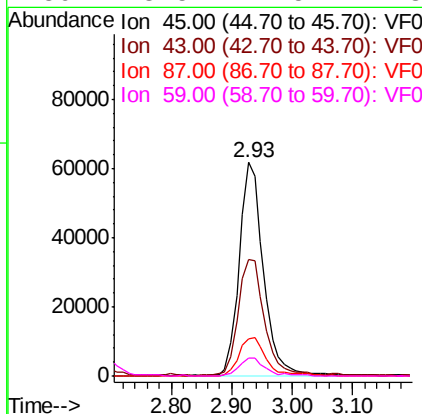
RT: 2.93 min Scan# 243

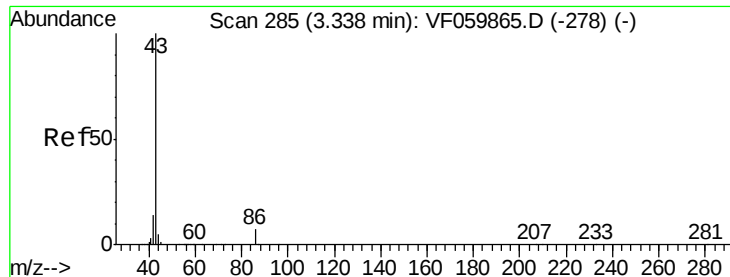
Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion:	45	Resp:	172010
Ion	Ratio	Lower	Upper
45	100		
43	54.4	52.1	78.1
87	17.6	13.8	20.8
59	8.5	7.5	11.3





#23

Vinyl Acetate

Concen: 264.40 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 468578

Ion Ratio Lower Upper

43 100

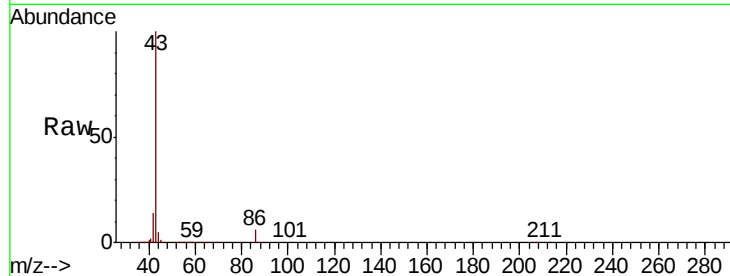
86 5.5 5.6 8.4#

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

200000

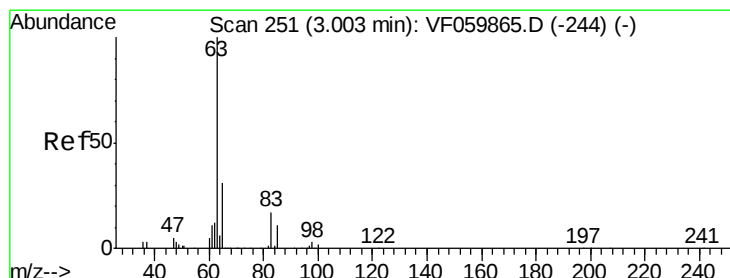
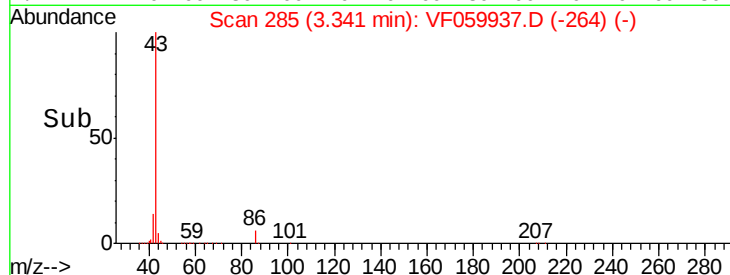
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.17 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

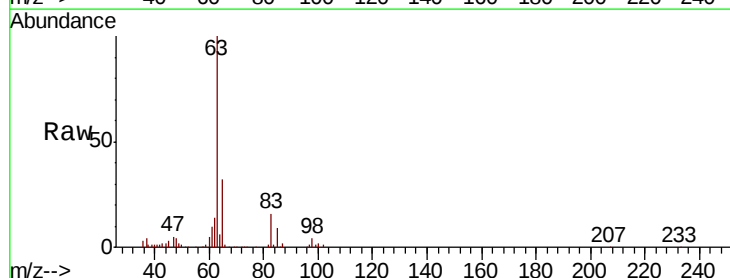
Tgt Ion: 63 Resp: 120427

Ion Ratio Lower Upper

63 100

98 3.7 1.9 5.7

100 2.0 1.1 3.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

60000

50000

40000

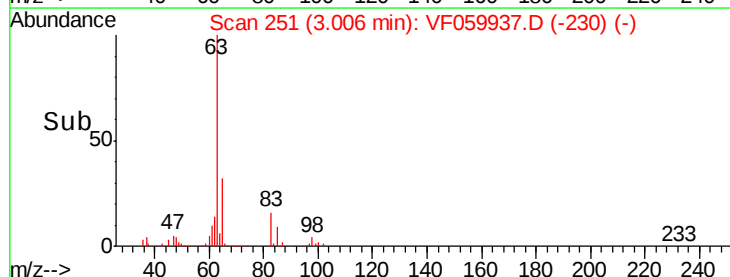
30000

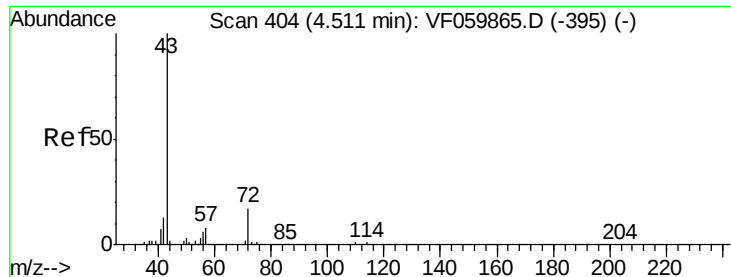
20000

10000

0

Time-->





#25

2-Butanone

Concen: 273.98 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 126692

Ion Ratio Lower Upper

43 100

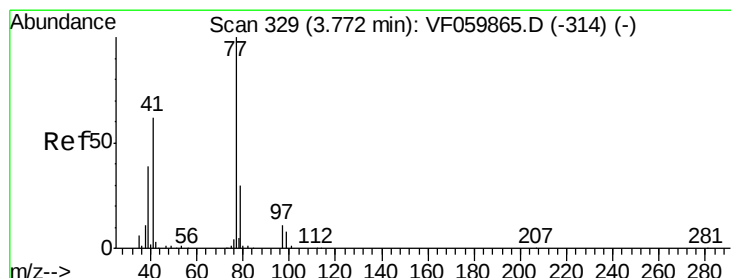
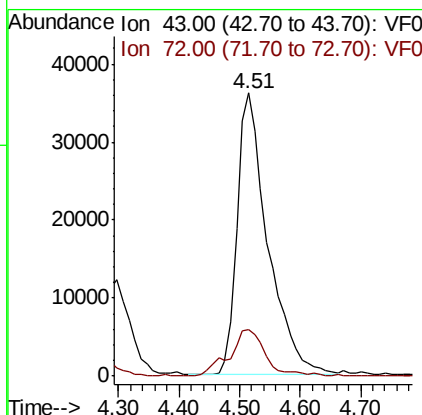
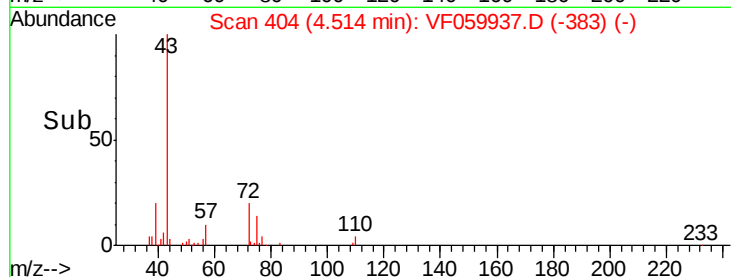
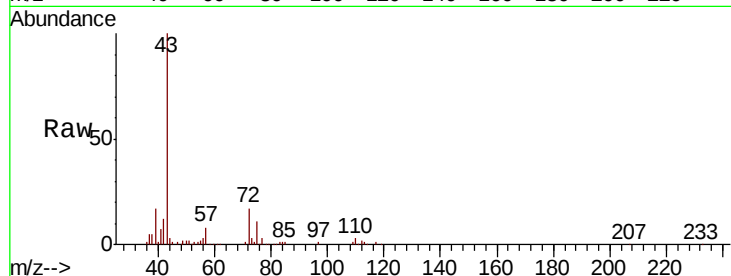
72 16.6 13.9 20.9

Manual Integrations

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apatel

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#26

2,2-Dichloropropane

Concen: 51.83 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059937.D

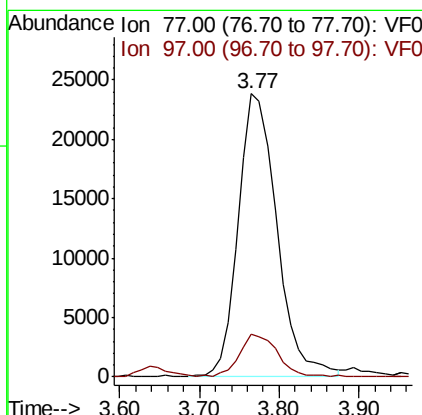
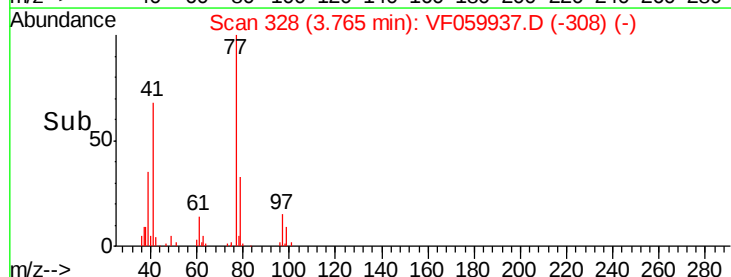
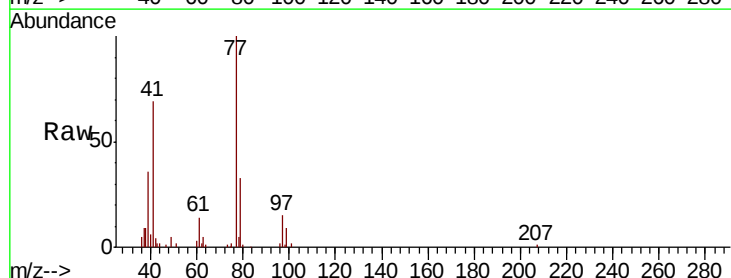
Acq: 10 Aug 2018 11:24

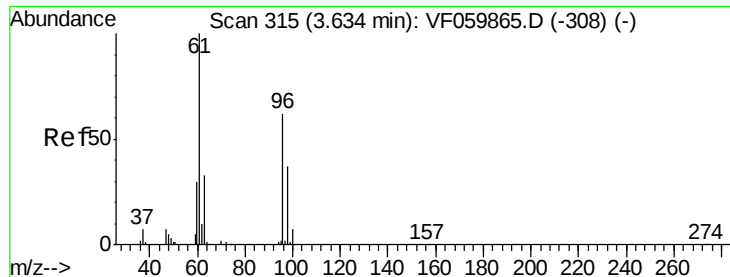
Tgt Ion: 77 Resp: 80439

Ion Ratio Lower Upper

77 100

97 15.0 6.8 20.3





#27

cis-1,2-Dichloroethene

Concen: 45.57 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

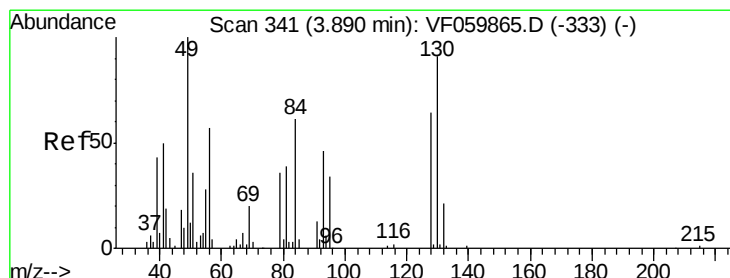
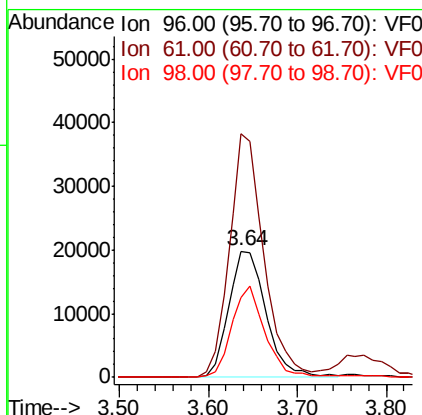
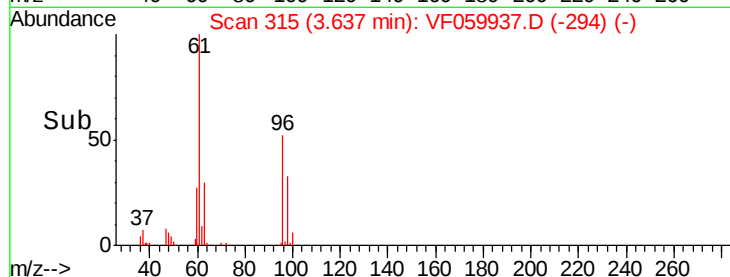
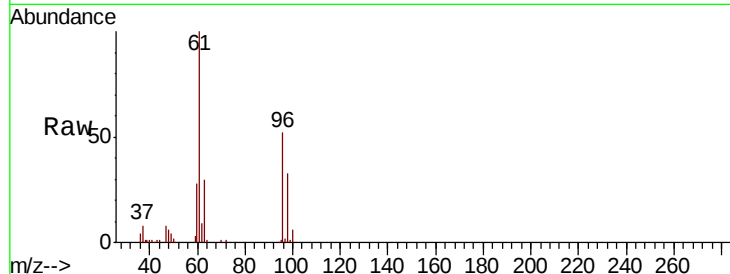
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	58091
Ion Ratio	Lower	Upper	
96	100		
61	193.2	0.0	320.8
98	63.3	0.0	117.6

Manual Integrations
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#28

Bromochloromethane

Concen: 45.21 ug/l

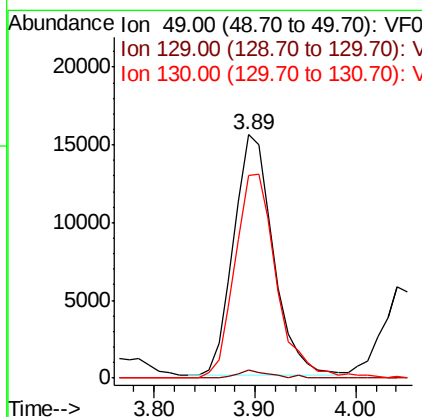
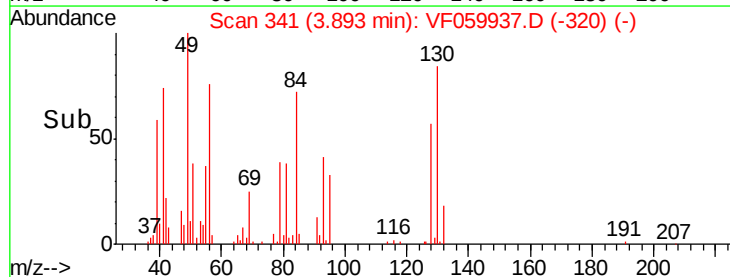
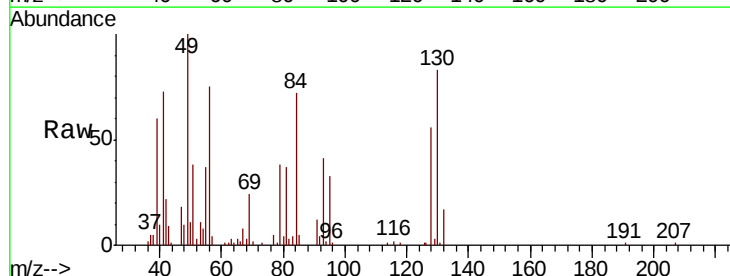
RT: 3.89 min Scan# 341

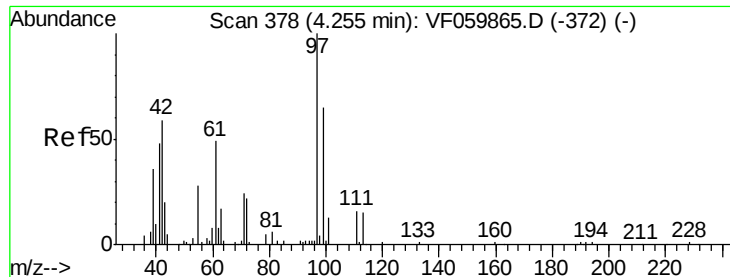
Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion:	49	Resp:	42560
Ion Ratio	Lower	Upper	
49	100		
129	3.3	0.0	4.6
130	84.6	73.8	110.8





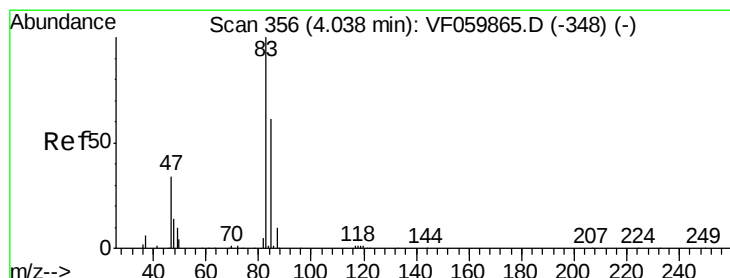
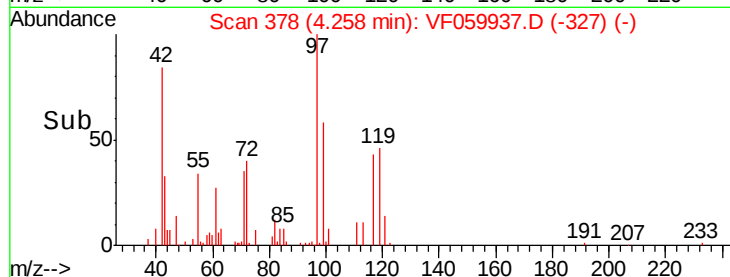
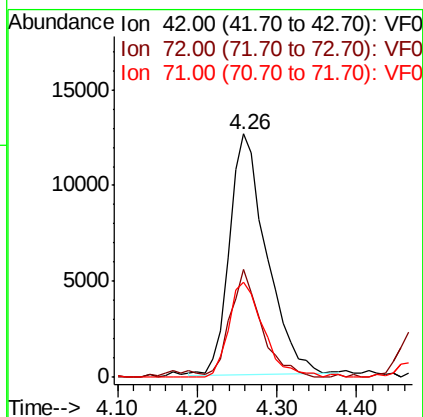
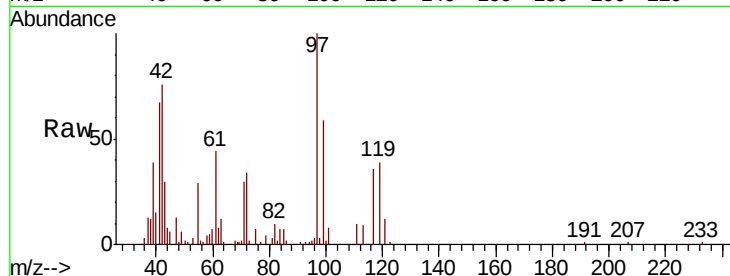
#29
Tetrahydrofuran
Concen: 241.68 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	29.3	43.9
71	36.7	30.0	45.0

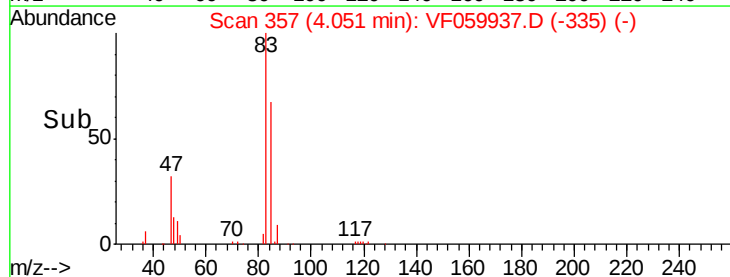
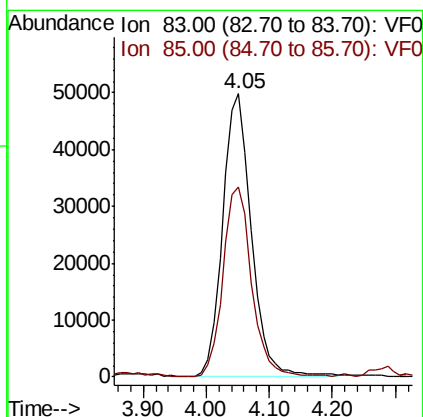
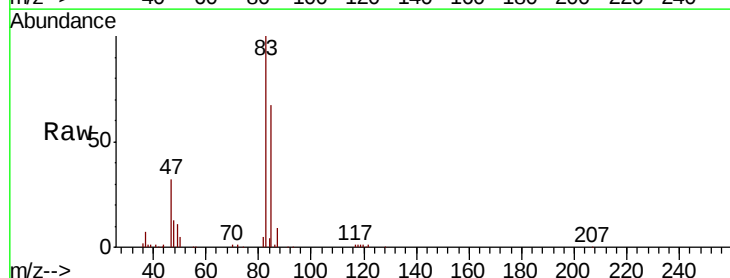
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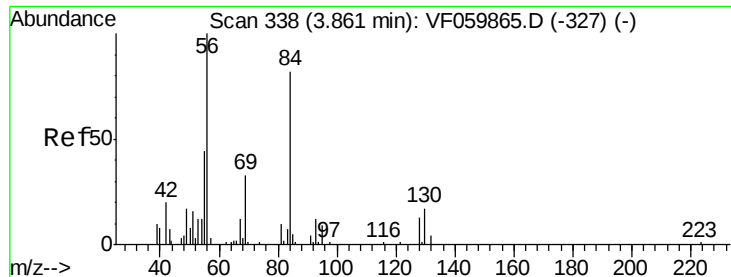
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#30
Chloroform
Concen: 43.71 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	49.3	73.9





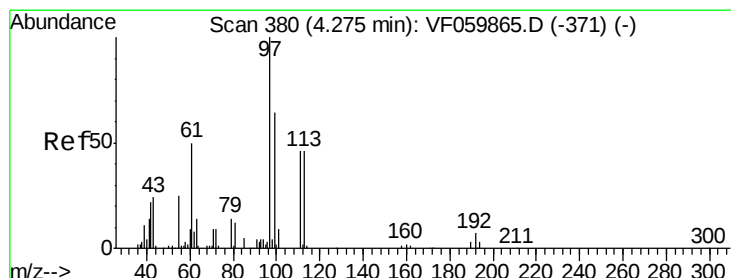
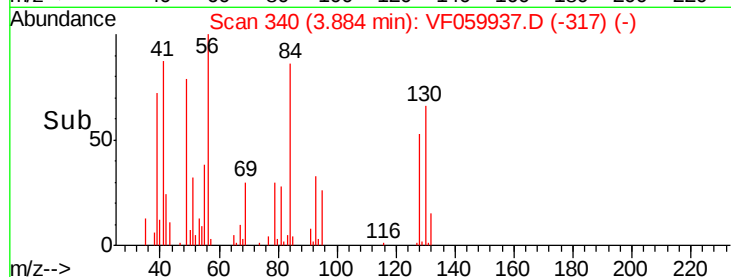
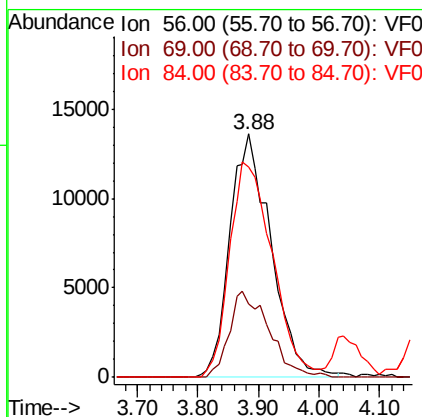
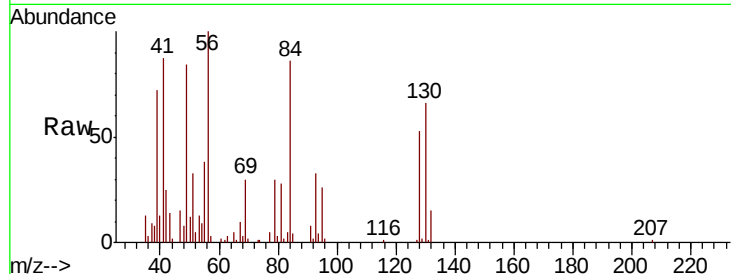
#31
Cyclohexane
Concen: 48.50 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	63994
Ion Ratio	Lower	Upper	
56	100		
69	30.2	26.7	40.1
84	86.3	65.9	98.9

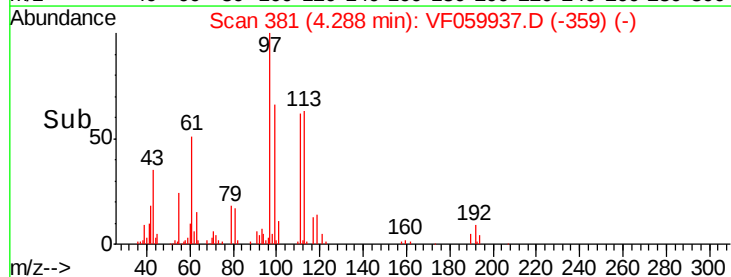
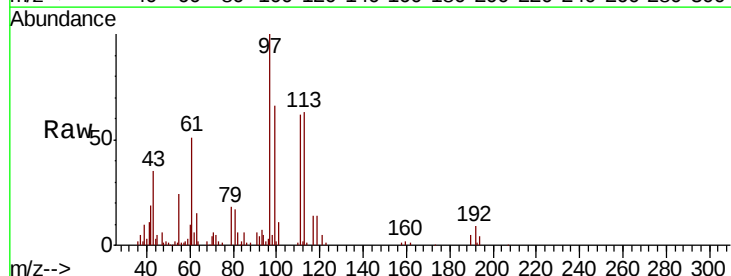
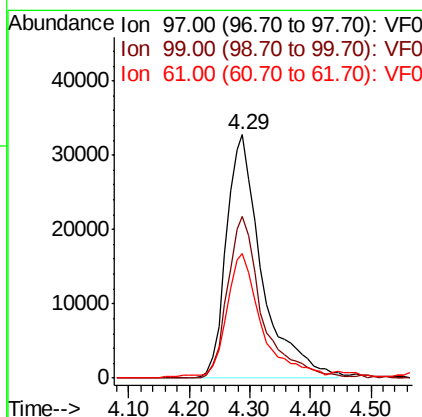
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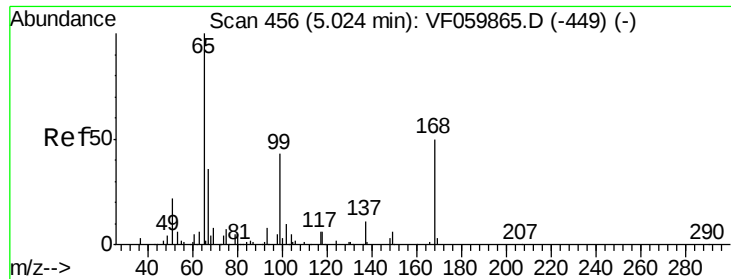
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#32
1,1,1-Trichloroethane
Concen: 46.38 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	97	Resp	133824
Ion Ratio	Lower	Upper	
97	100		
99	66.3	51.4	77.2
61	51.0	40.8	61.2





#33

1,2-Dichloroethane-d4

Concen: 44.94 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059937.D

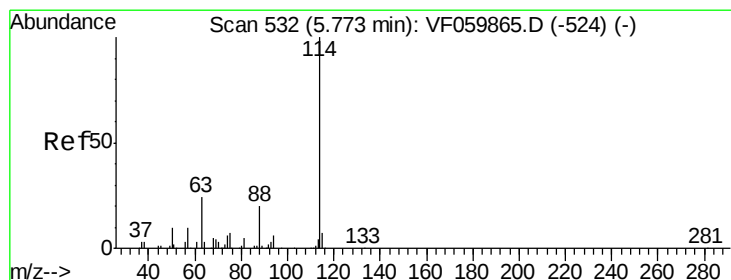
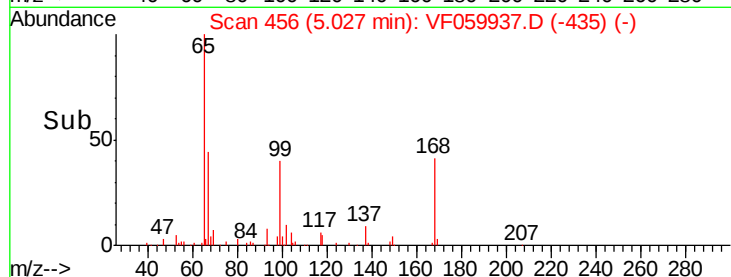
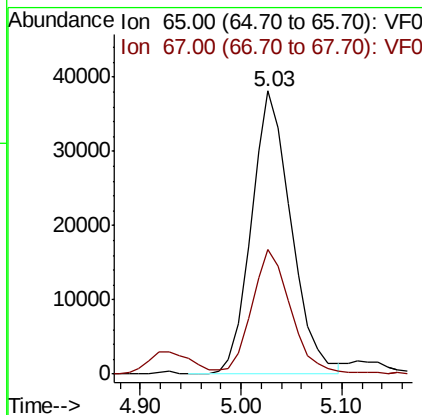
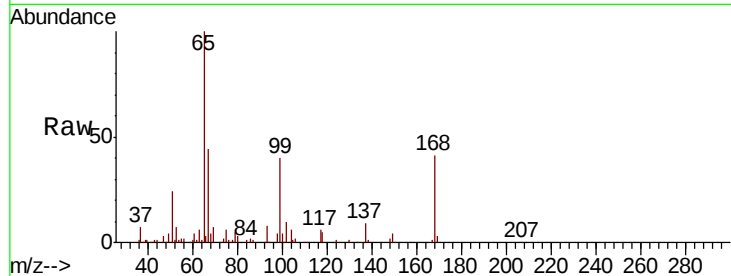
Acq: 10 Aug 2018 11:24

Tot Ion	Ratio	Resp	Lower	Upper
65	100	103516		
67	43.9	0.0	77.2	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

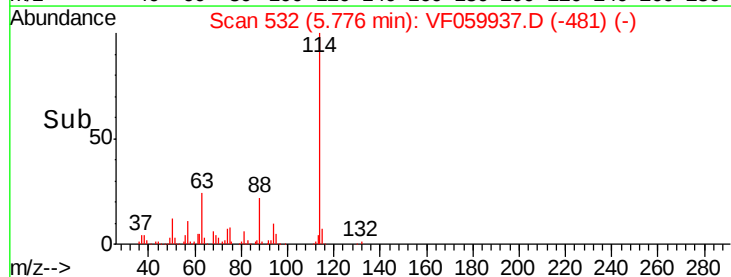
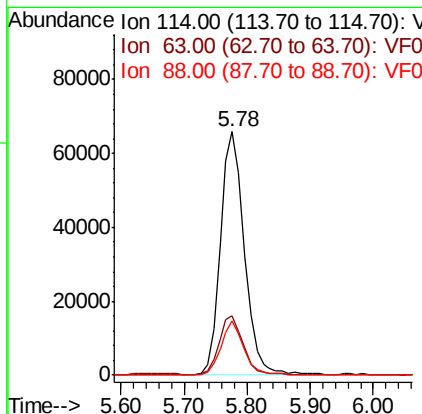
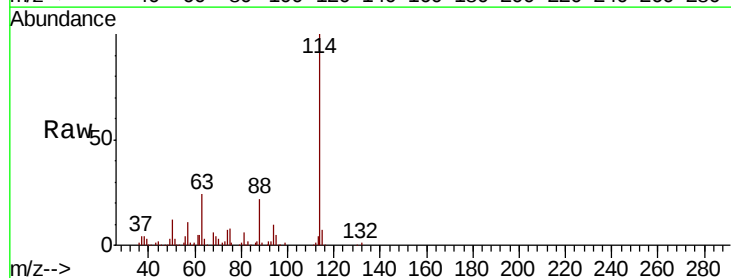
RT: 5.78 min Scan# 532

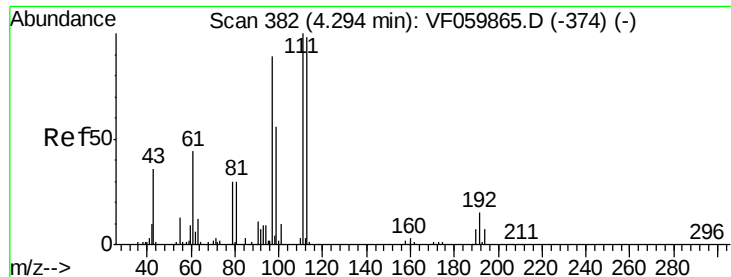
Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	174887		
63	24.4	0.0	48.0	
88	22.4	0.0	39.4	





#35

Dibromofluoromethane

Concen: 49.57 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

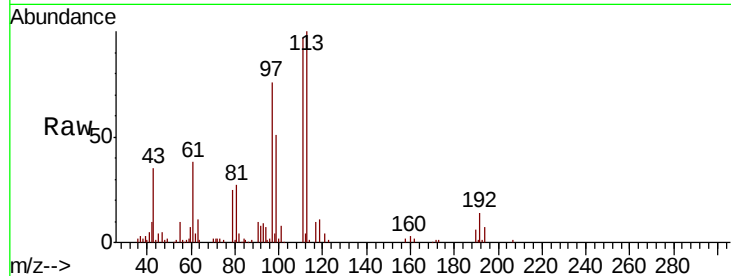
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	86252
Ion Ratio	Lower	Upper	
113	100		
111	97.1	81.8	122.8
192	14.6	12.4	18.6

Manual Integrations
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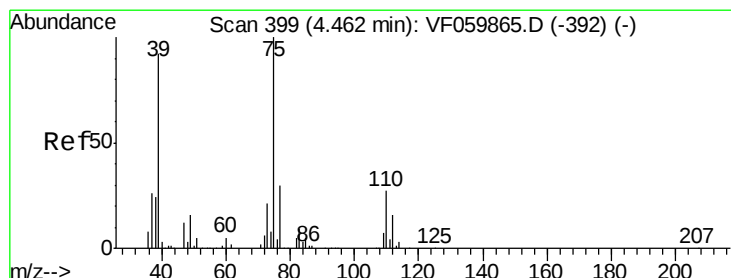
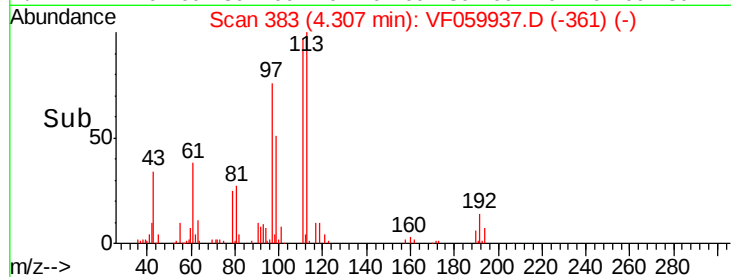
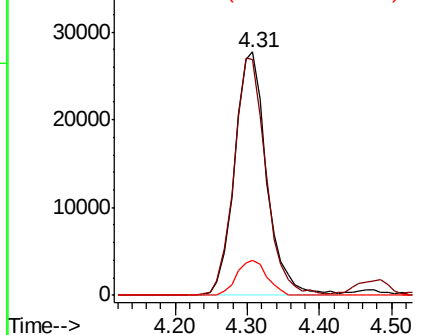
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 51.08 ug/l

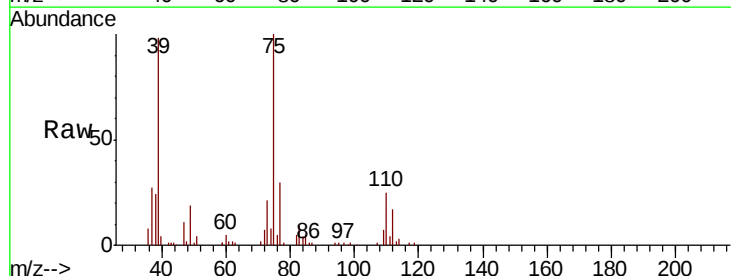
RT: 4.47 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

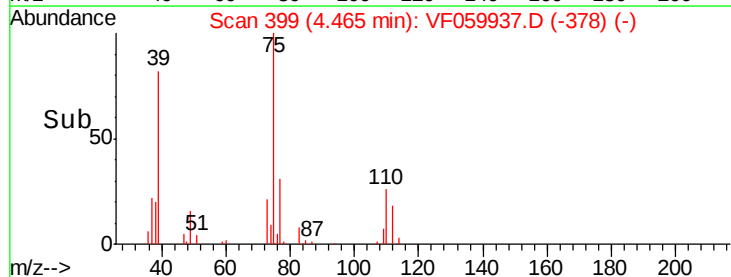
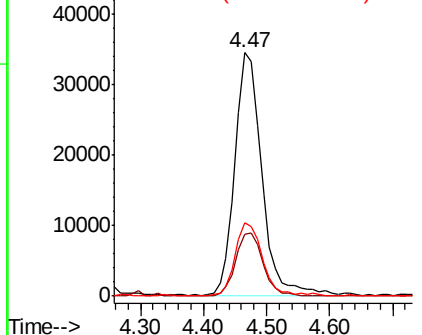
Tgt Ion:	75	Resp:	103332
Ion Ratio	Lower	Upper	
75	100		
110	25.2	13.6	40.7
77	30.3	23.7	35.5

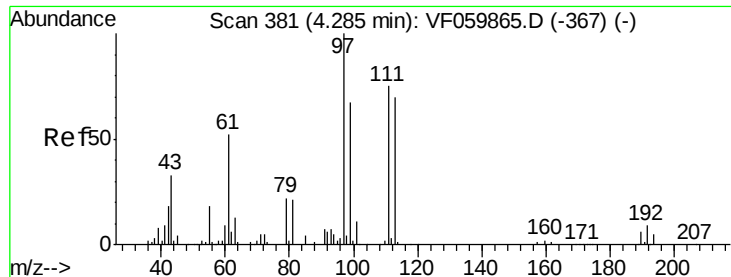


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





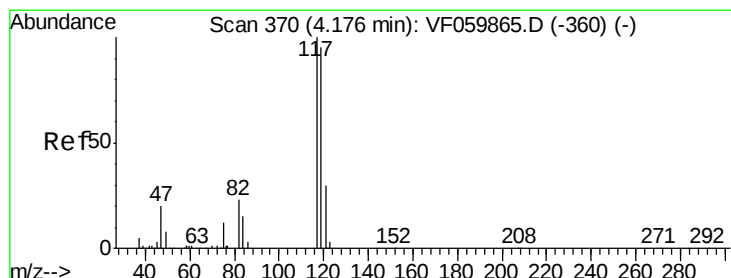
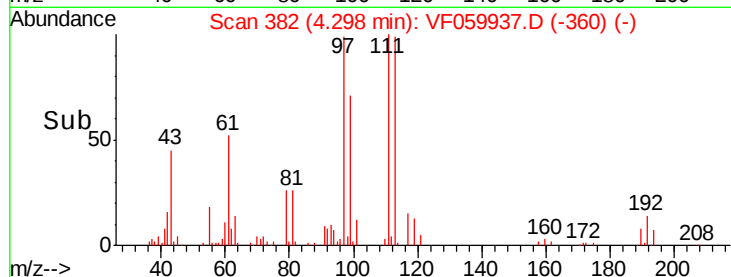
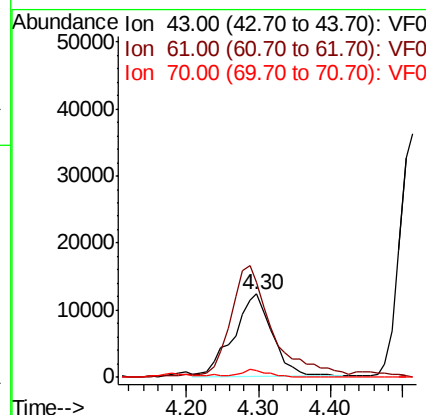
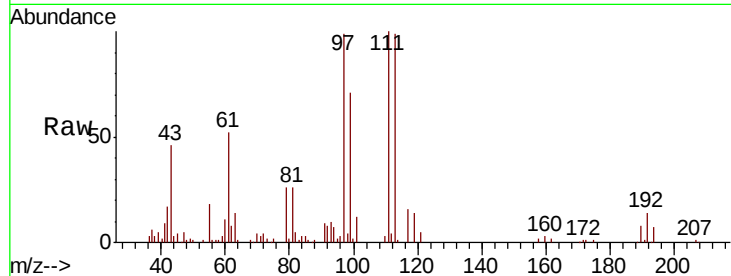
#37
Ethyl Acetate
Concen: 53.31 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	113.5	123.7	185.5#
70	8.2	7.8	11.8

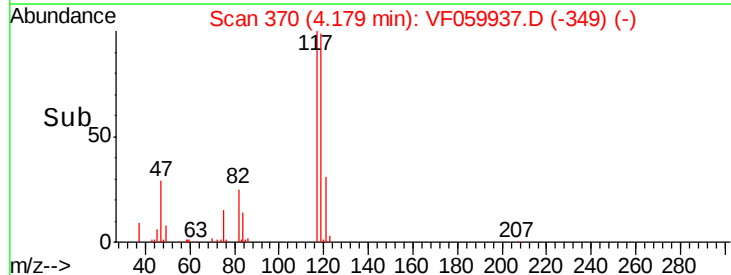
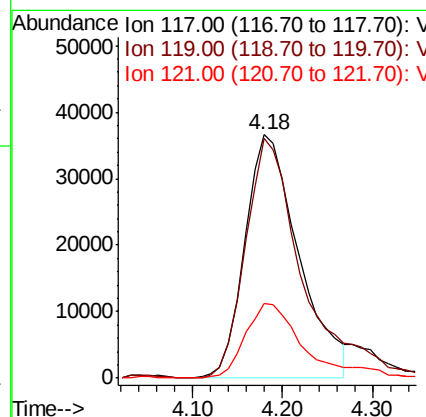
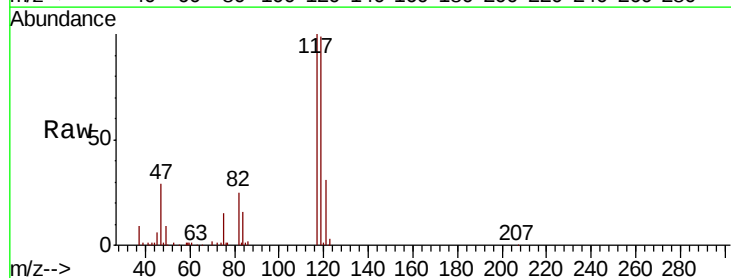
Manual Integrations
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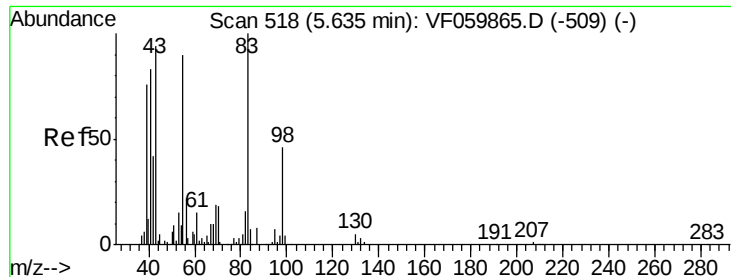
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#38
Carbon Tetrachloride
Concen: 52.50 ug/l m
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.5	114.7
121	30.7	23.8	35.8





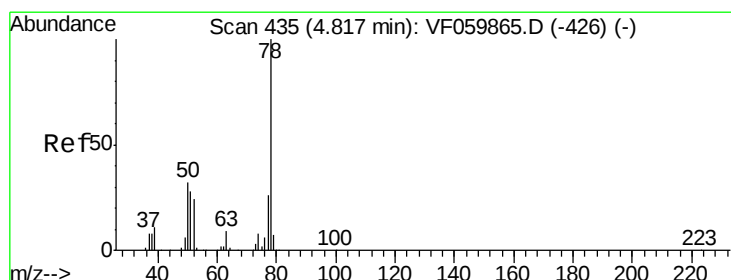
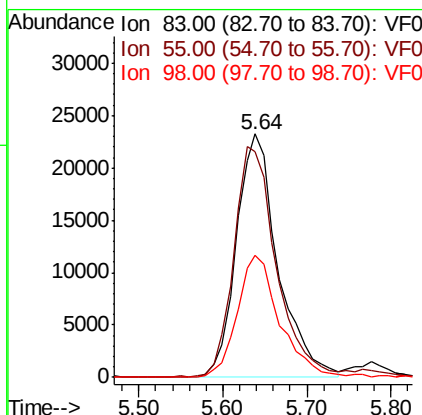
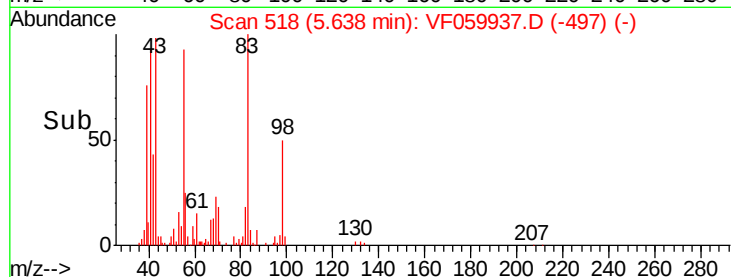
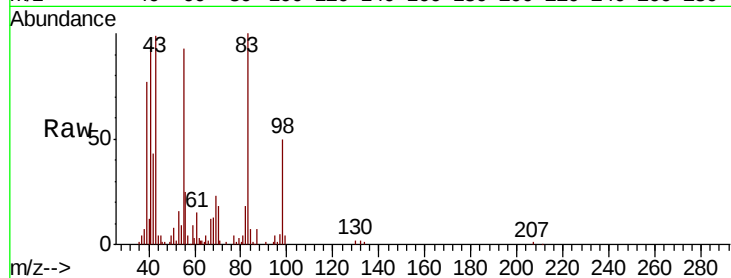
#39
Methvlcvclohexane
Concen: 52.78 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.8	72.0	108.0
98	50.3	36.6	54.8

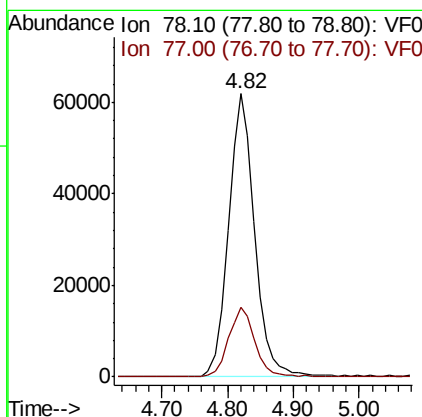
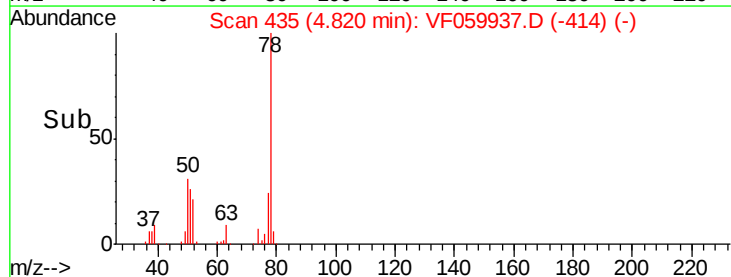
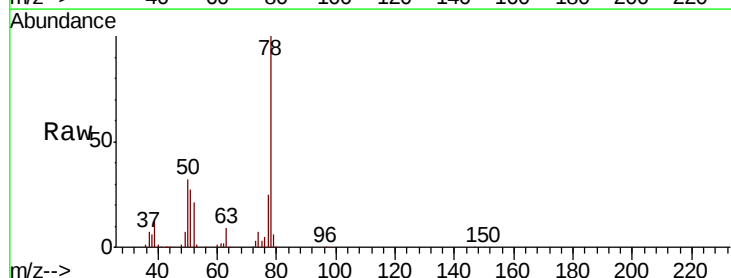
Manual Integrations
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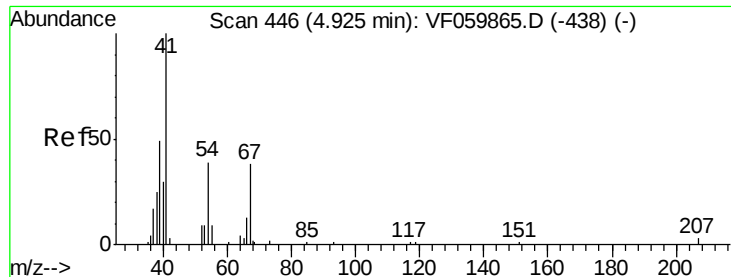
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#40
Benzene
Concen: 49.45 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	20.7	31.1





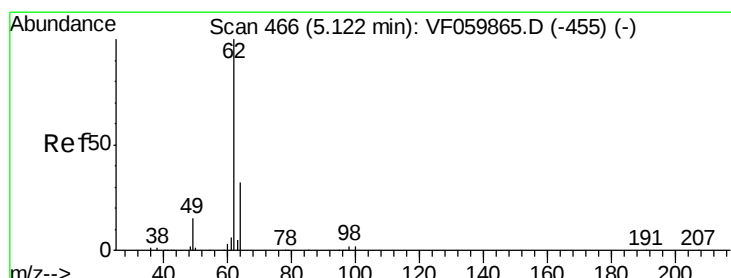
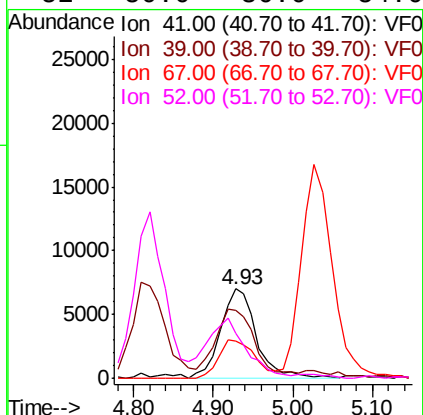
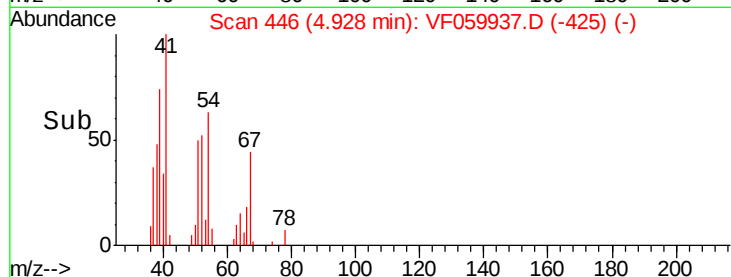
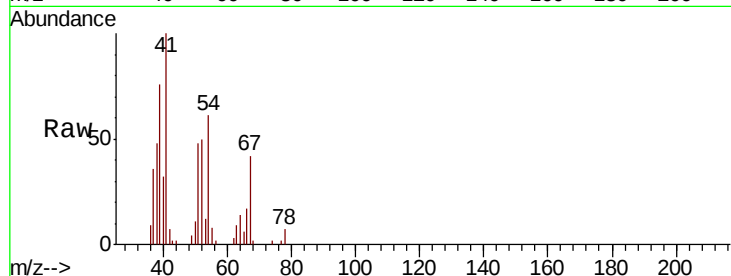
#41
Methacrylonitrile
Concen: 47.85 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	21933
Ion	Ratio	Lower	Upper
41	100		
39	76.4	55.1	82.7
67	42.0	30.3	45.5
52	50.0	36.0	54.0

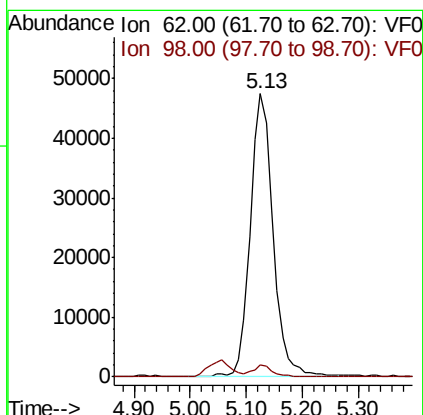
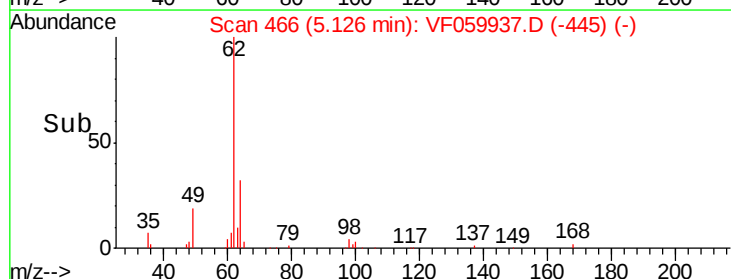
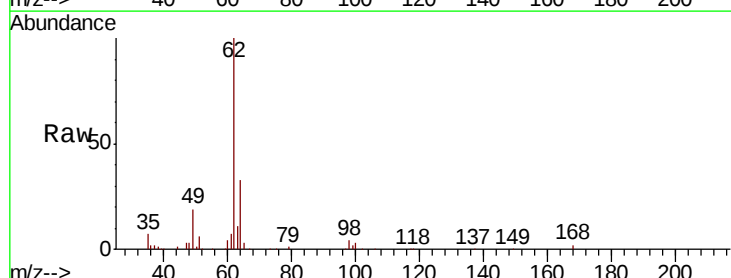
Manual Integrations
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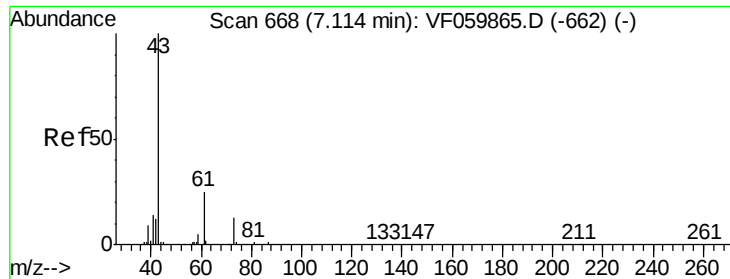
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#42
1,2-Dichloroethane
Concen: 48.02 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion:	62	Resp:	134508
Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	7.6





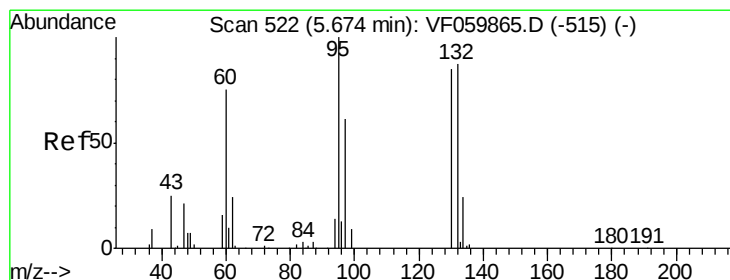
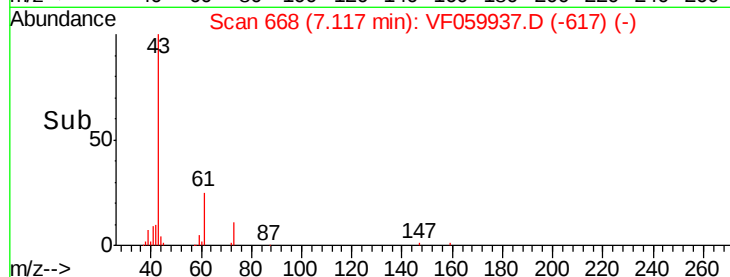
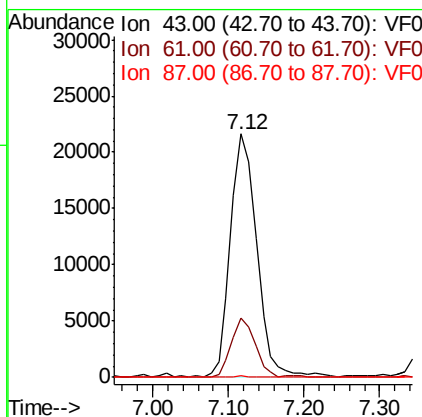
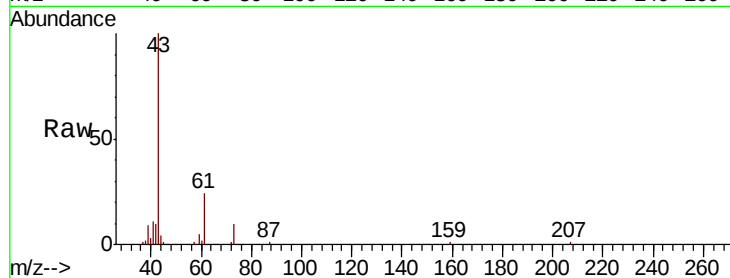
#43
Isopropyl Acetate
Concen: 58.76 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.3	30.5
87	0.6	0.7	1.1#

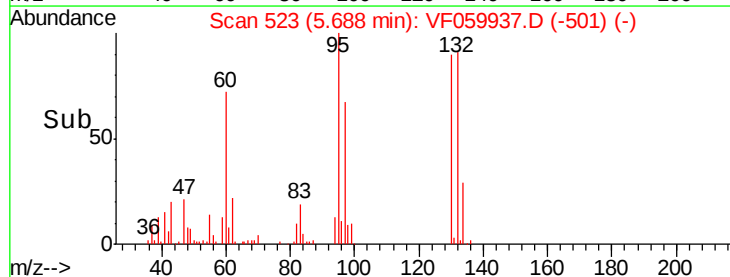
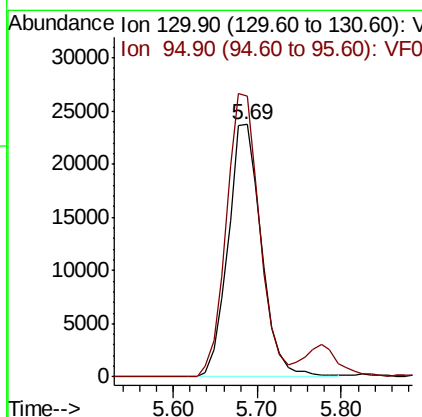
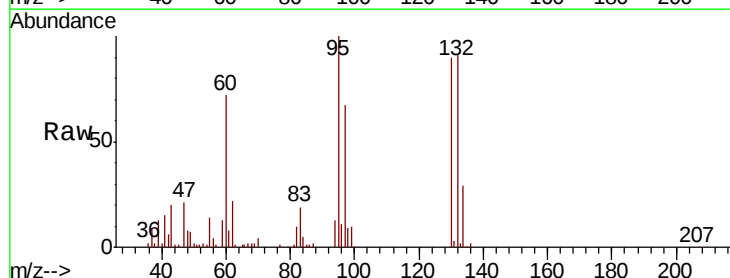
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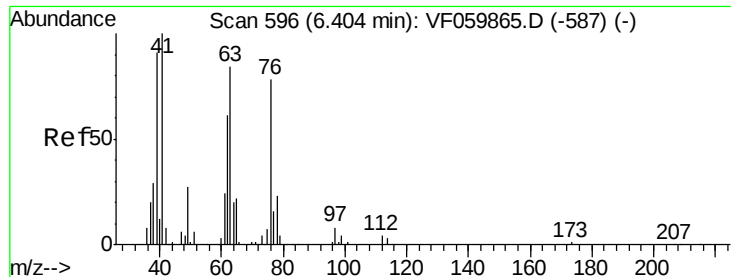
apatel
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#44
Trichloroethene
Concen: 48.70 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.1	0.0	236.8





#45

1,2-Dichloropropane

Concen: 51.29 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 47612

Ion Ratio Lower Upper

63 100

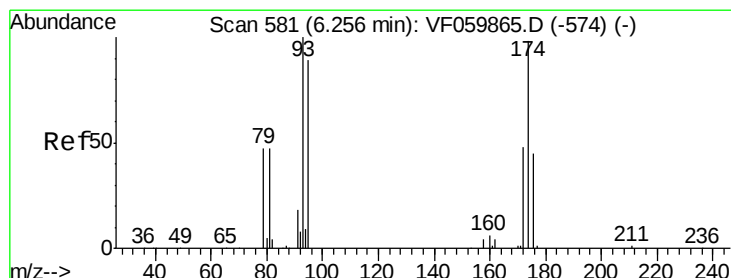
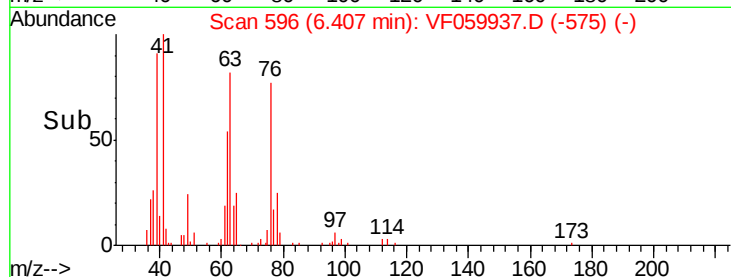
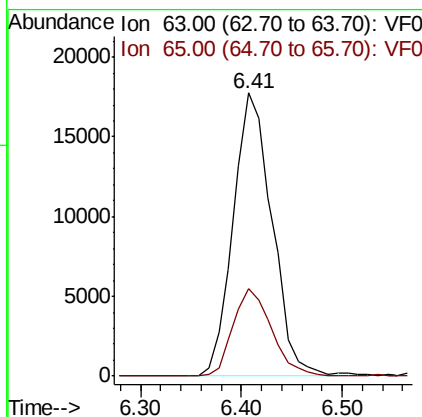
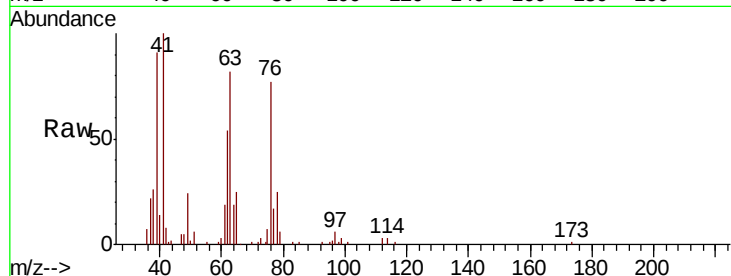
65 31.0 20.4 30.6#

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#46

Dibromomethane

Concen: 47.98 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

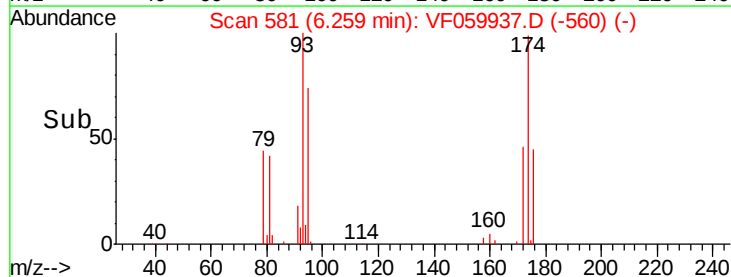
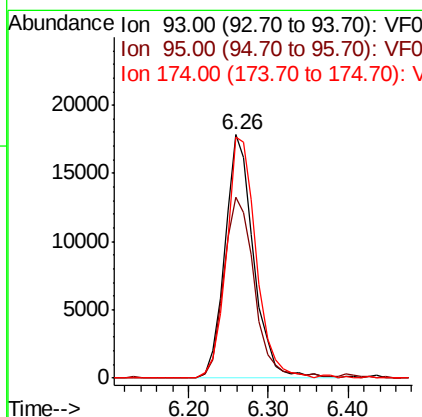
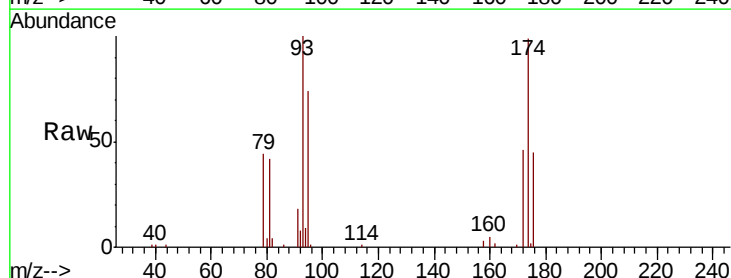
Tgt Ion: 93 Resp: 44944

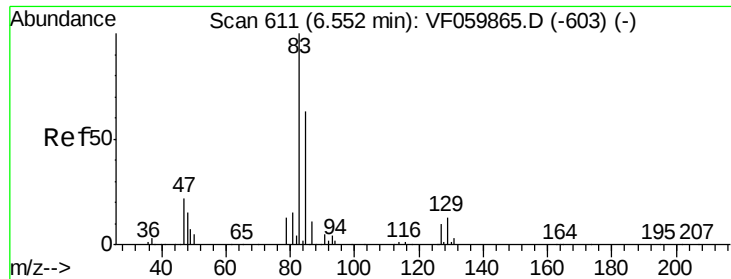
Ion Ratio Lower Upper

93 100

95 75.3 71.4 107.2

174 99.0 78.1 117.1





#47

Bromodichloromethane

Concen: 50.35 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

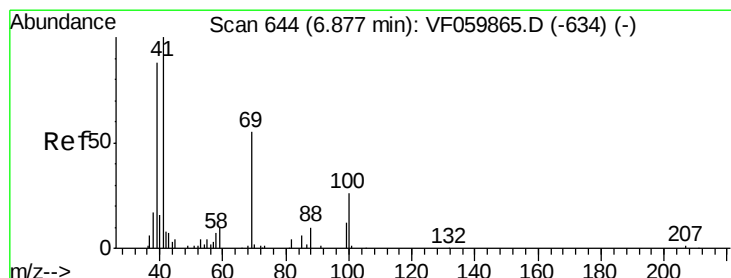
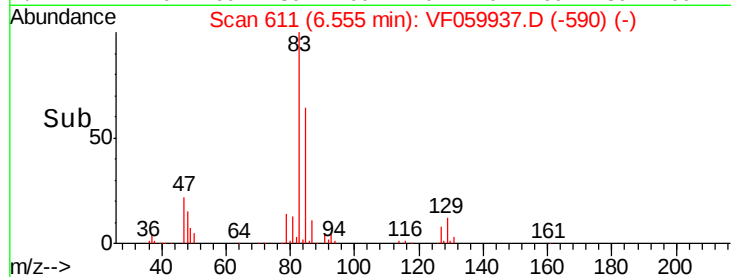
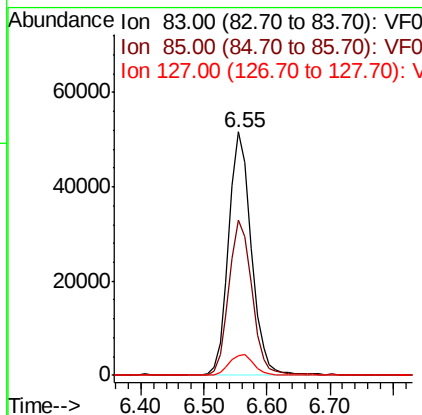
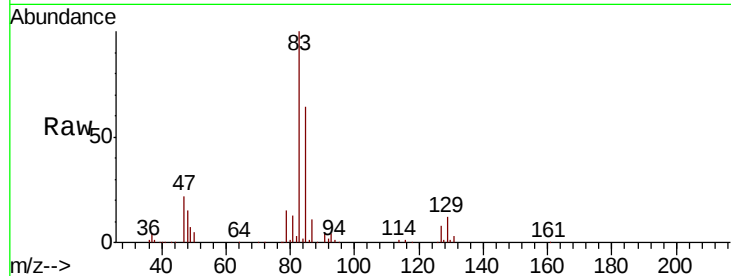
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	128993
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.7	76.1
127	8.0	8.0	12.0#

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#48

Methyl methacrylate

Concen: 59.19 ug/l

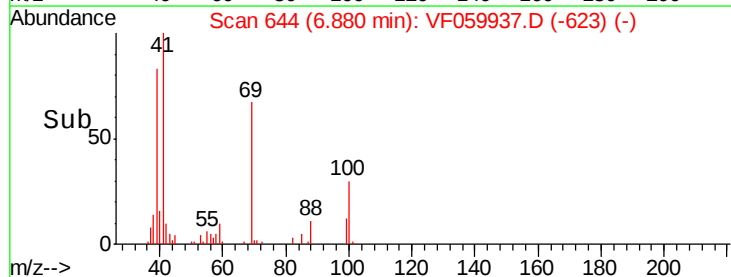
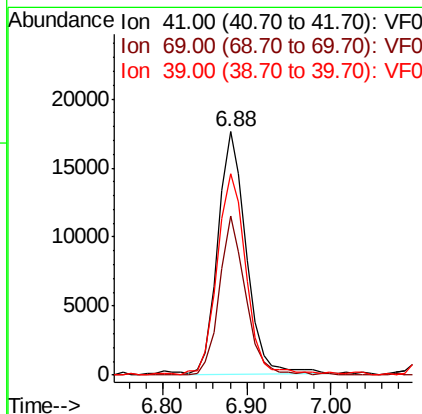
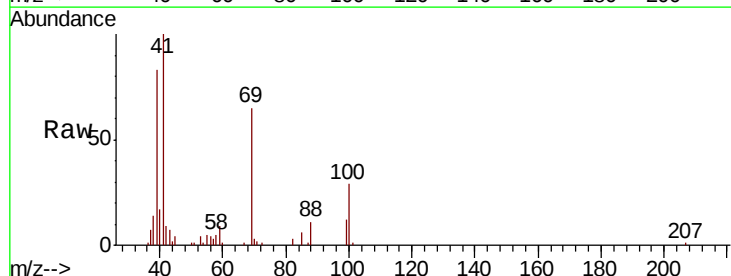
RT: 6.88 min Scan# 644

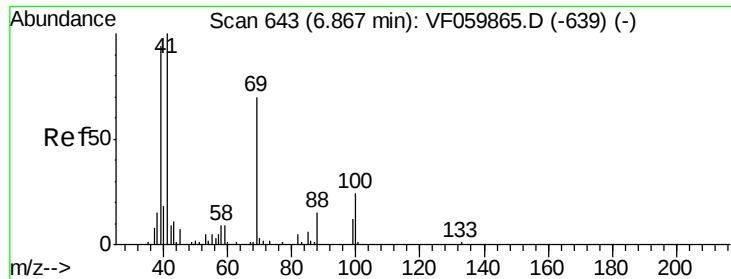
Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion:	41	Resp:	41184
Ion Ratio	Lower	Upper	
41	100		
69	65.4	44.4	66.6
39	82.8	70.6	106.0





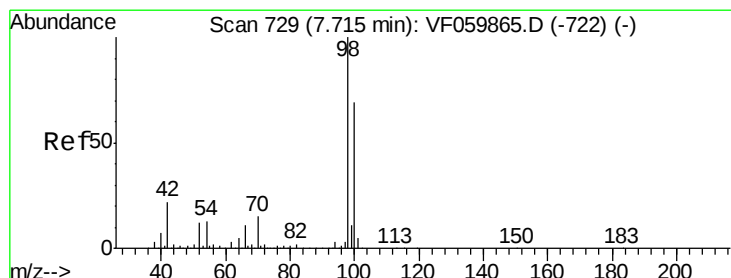
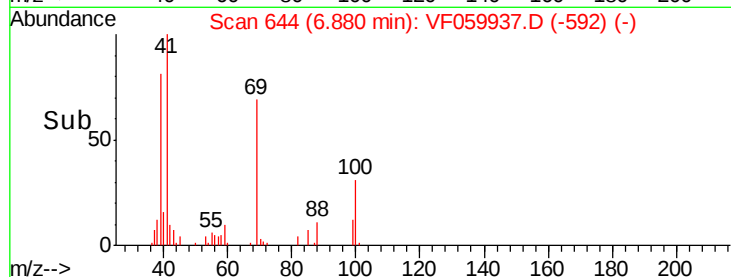
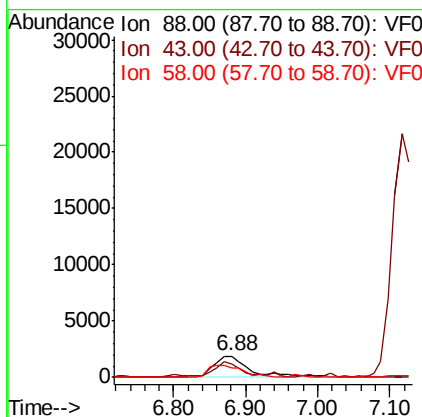
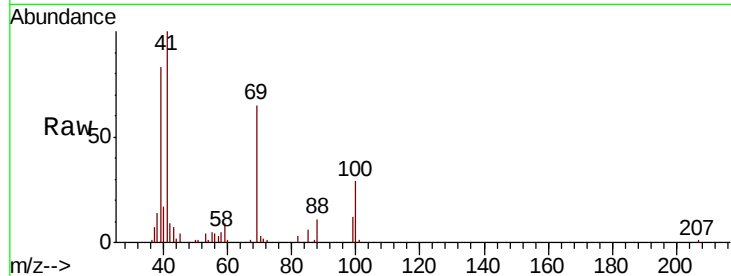
#49
1,4-Dioxane
Concen: 1280.78 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6525		
43	64.6		58.3	87.5
58	46.8		49.4	74.2#

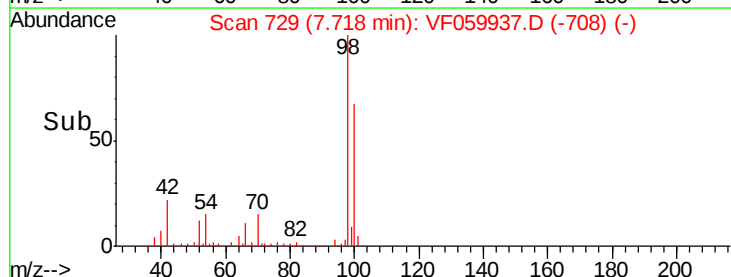
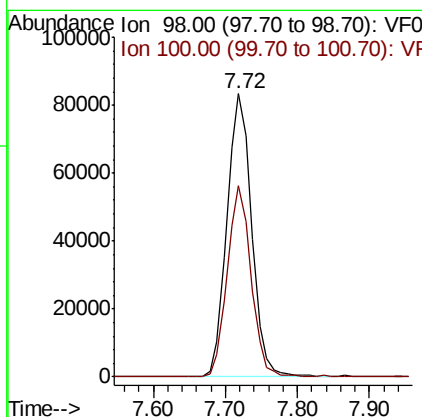
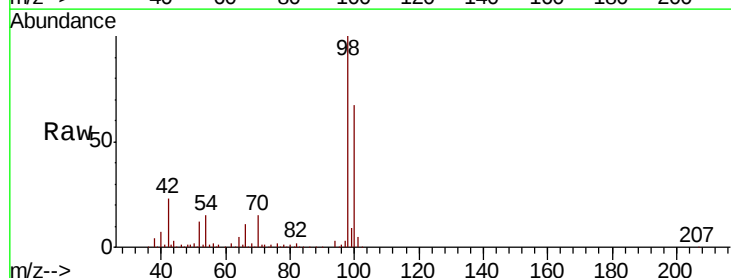
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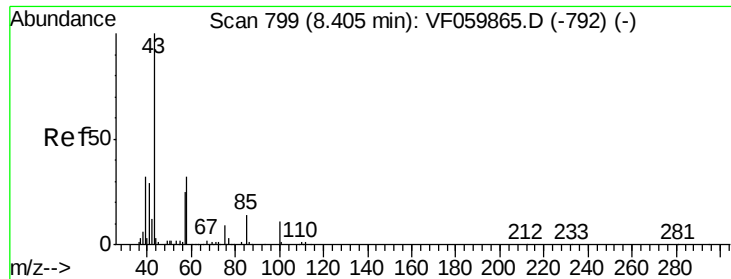
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#50
Toluene-d8
Concen: 53.92 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	199617		
100	67.4		55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 277.66 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 253903

Ion Ratio Lower Upper

43 100

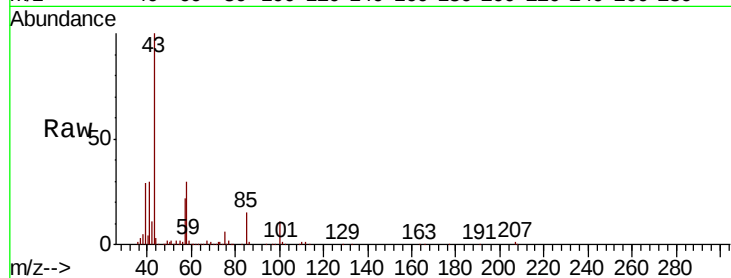
58 30.5 25.4 38.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

120000

100000

80000

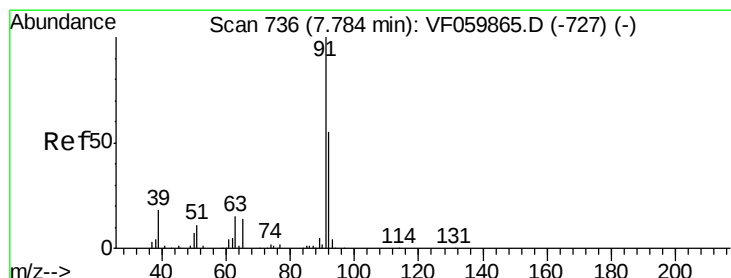
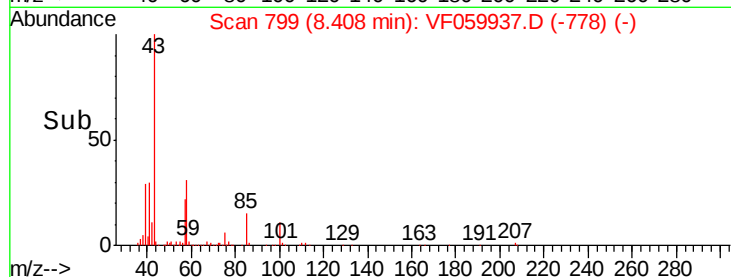
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 51.30 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059937.D

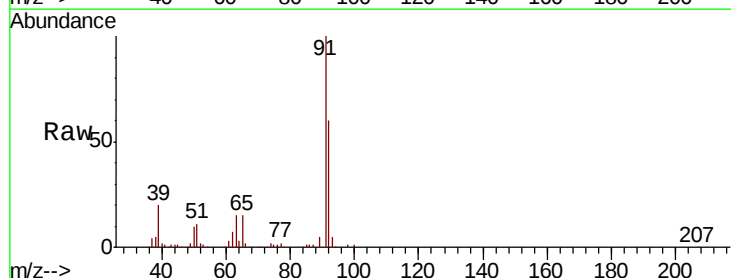
Acq: 10 Aug 2018 11:24

Tgt Ion: 92 Resp: 131066

Ion Ratio Lower Upper

92 100

91 167.9 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

100000

80000

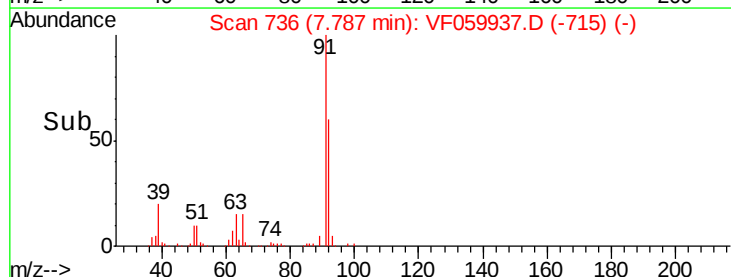
60000

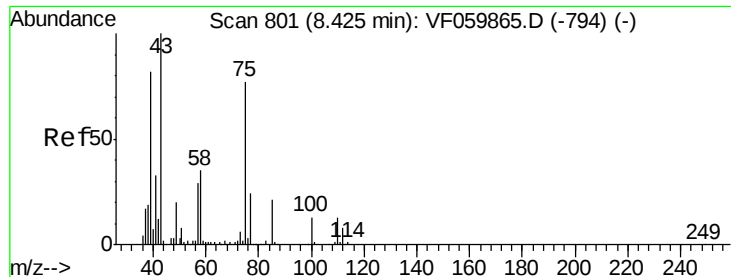
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.03 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 109196

Ion Ratio Lower Upper

75 100

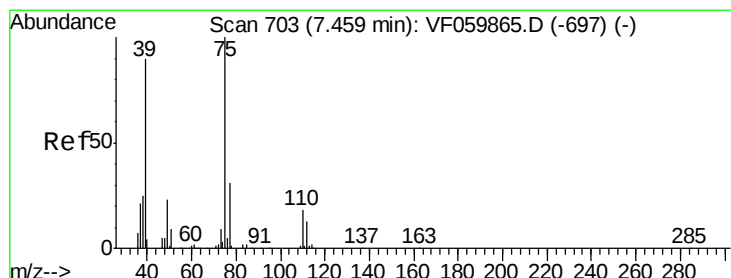
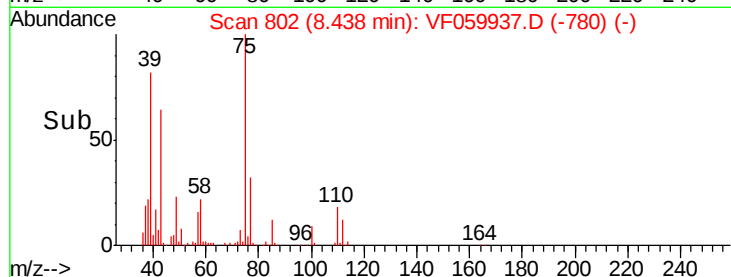
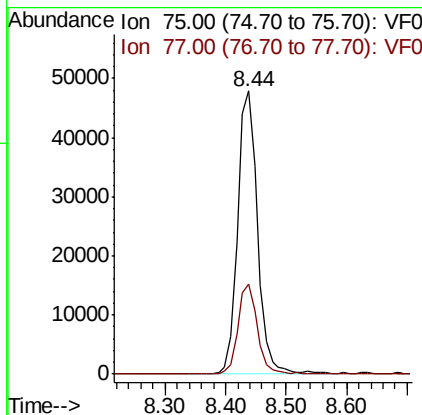
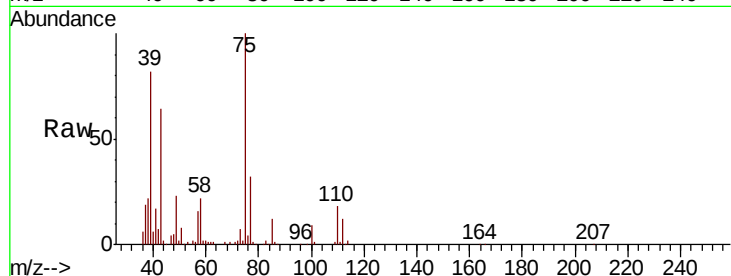
77 31.9 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.83 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

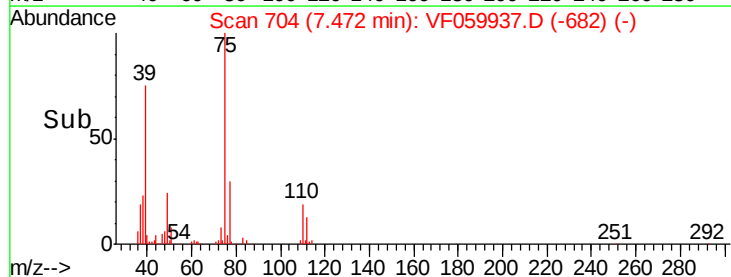
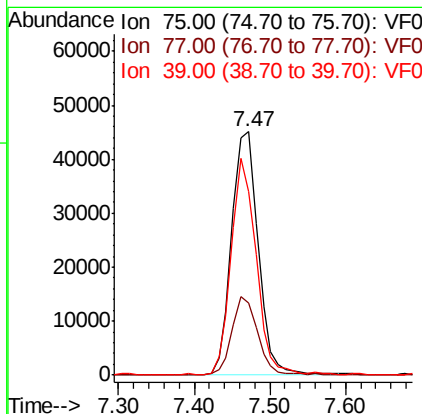
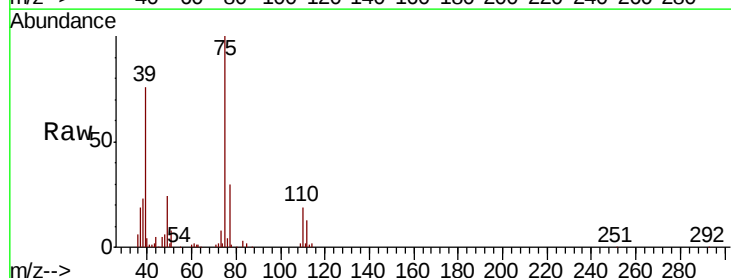
Tgt Ion: 75 Resp: 110267

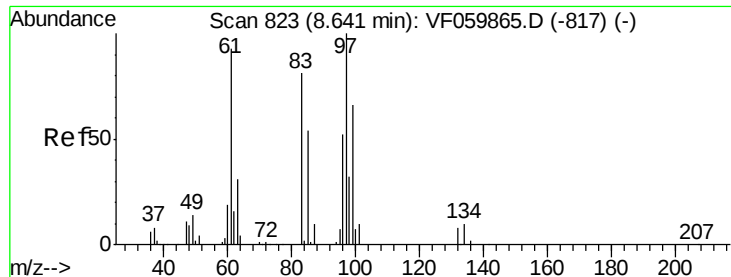
Ion Ratio Lower Upper

75 100

77 29.6 24.7 37.1

39 75.6 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 51.55 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

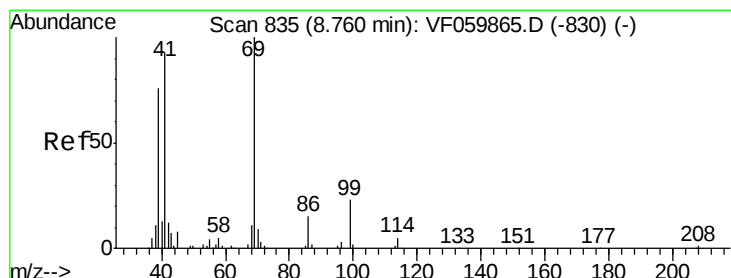
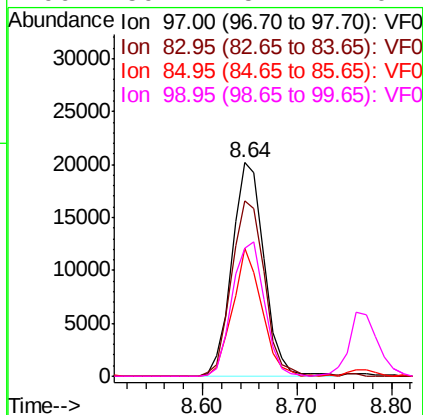
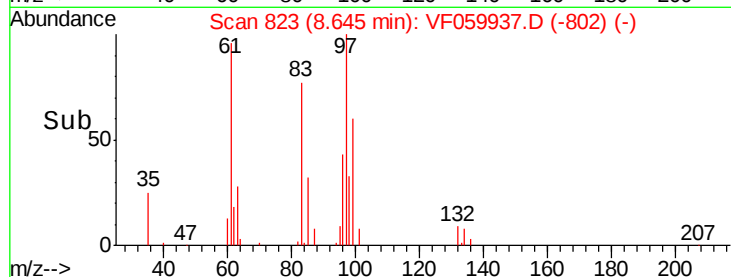
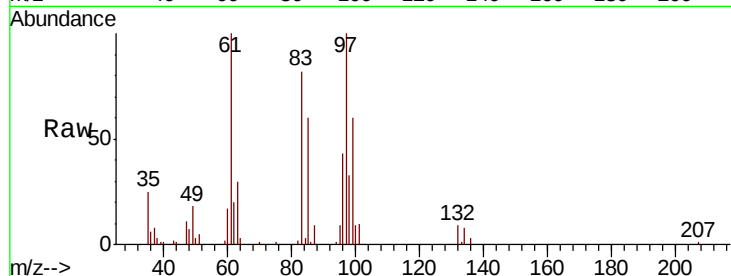
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	47407
Ion	Ratio	Lower	Upper
97	100		
83	82.2	64.4	96.6
85	60.0	43.1	64.7
99	59.7	52.7	79.1

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#56

Ethyl methacrylate

Concen: 52.32 ug/l

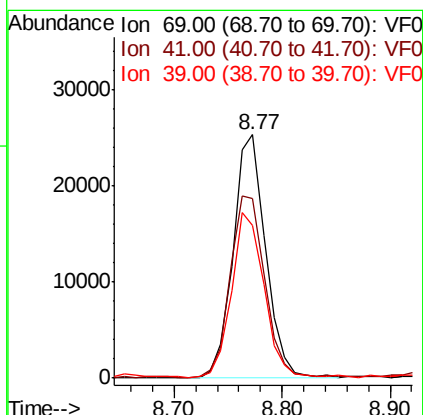
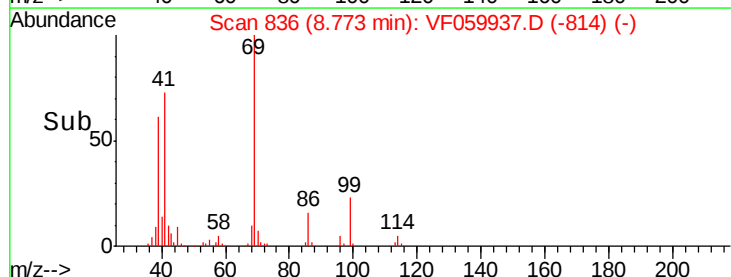
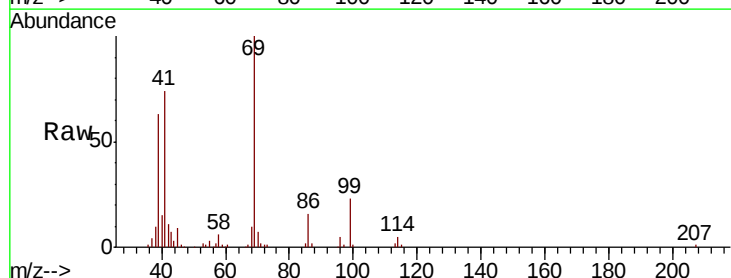
RT: 8.77 min Scan# 836

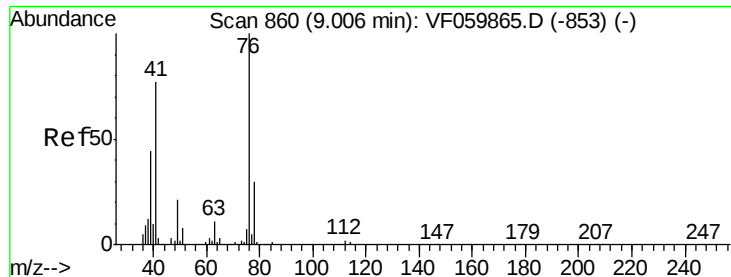
Delta R.T. 0.01 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion:	69	Resp:	52937
Ion	Ratio	Lower	Upper
69	100		
41	73.8	74.7	112.1#
39	63.0	61.1	91.7





#57

1,3-Dichloropropane

Concen: 53.15 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 83942

Ion Ratio Lower Upper

76 100

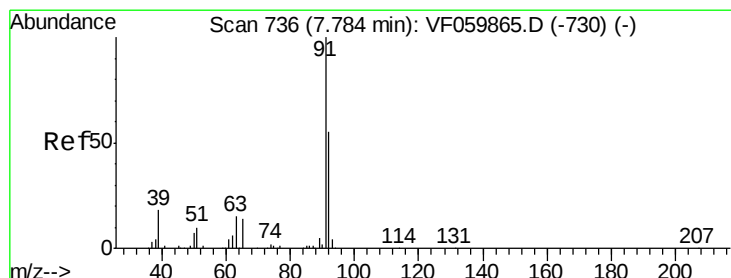
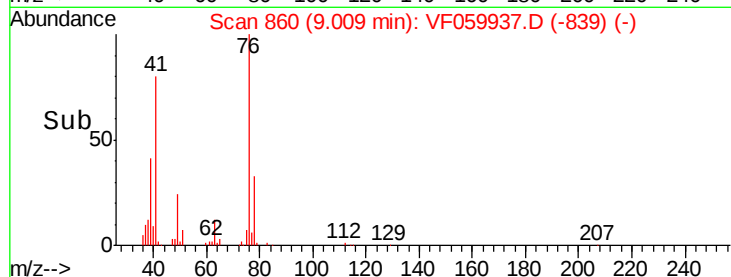
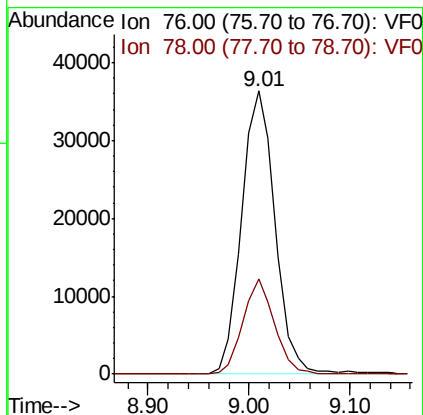
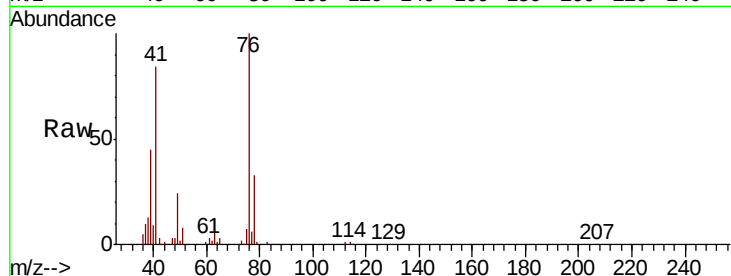
78 33.4 24.2 36.2

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#58

2-Chloroethyl Vinyl ether

Concen: 261.83 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059937.D

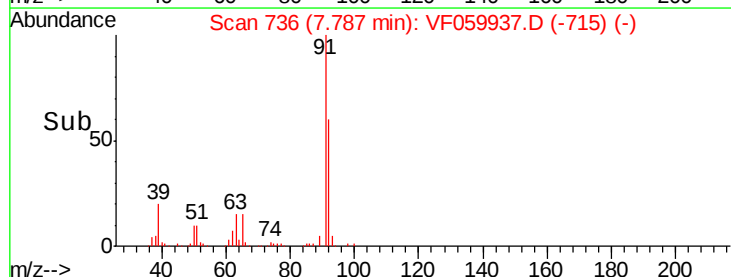
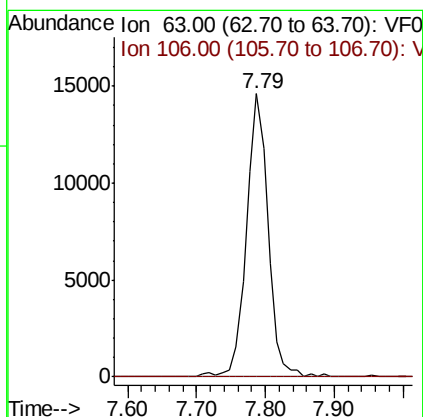
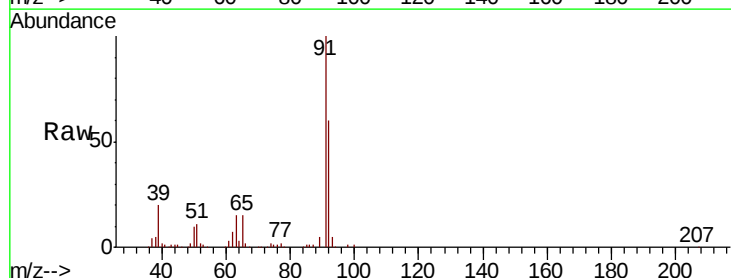
Acq: 10 Aug 2018 11:24

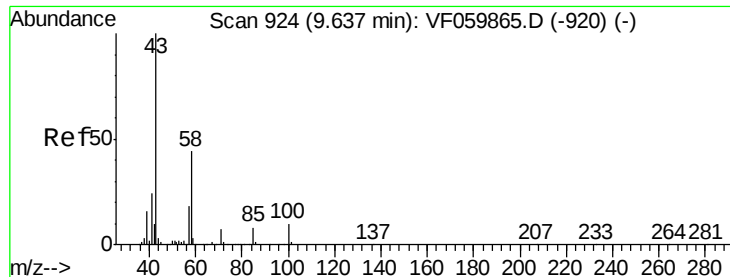
Tgt Ion: 63 Resp: 31859

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 311.23 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 201037

Ion Ratio Lower Upper

43 100

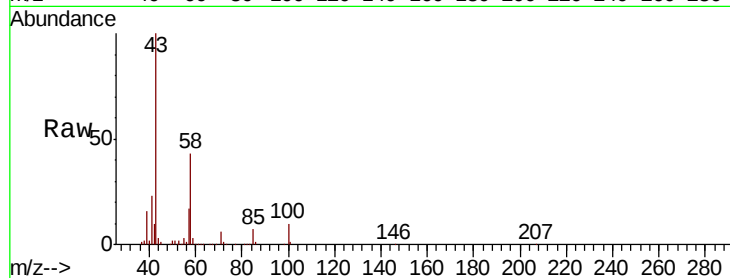
58 42.7 20.8 62.2

Manual Integrations

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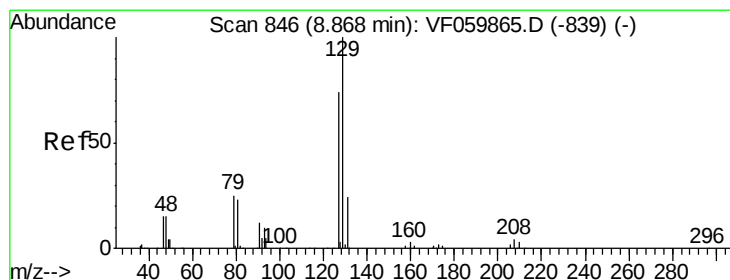
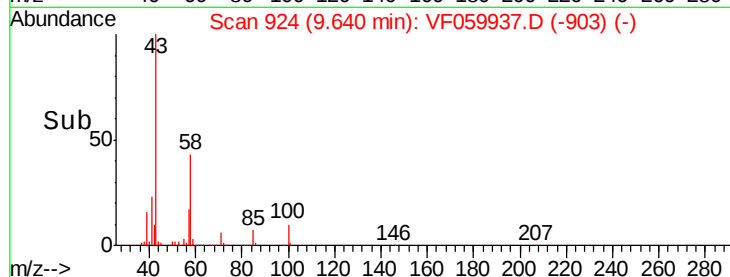
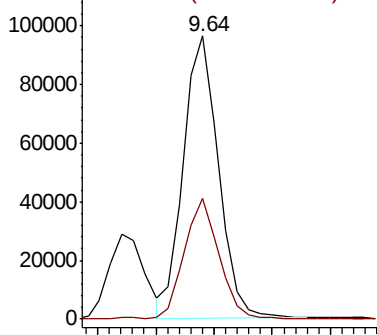
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 50.17 ug/l

RT: 8.87 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF059937.D

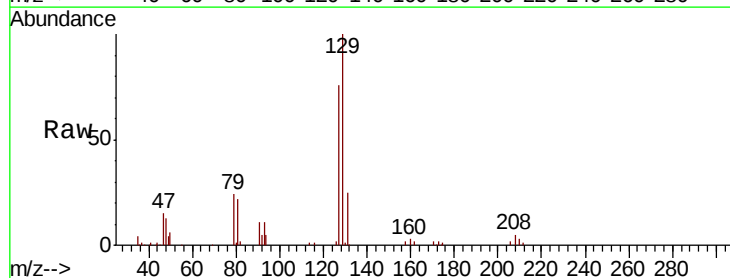
Acq: 10 Aug 2018 11:24

Tgt Ion: 129 Resp: 86560

Ion Ratio Lower Upper

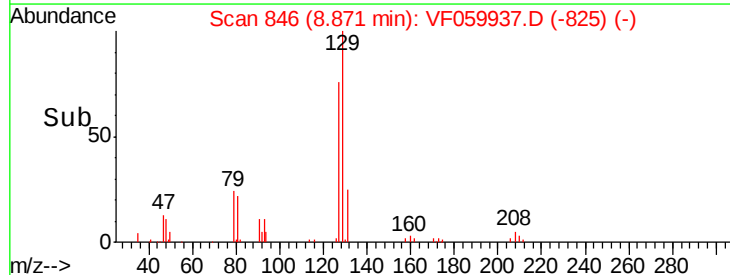
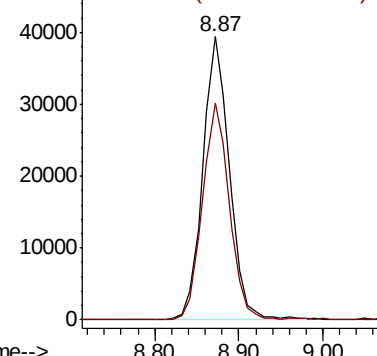
129 100

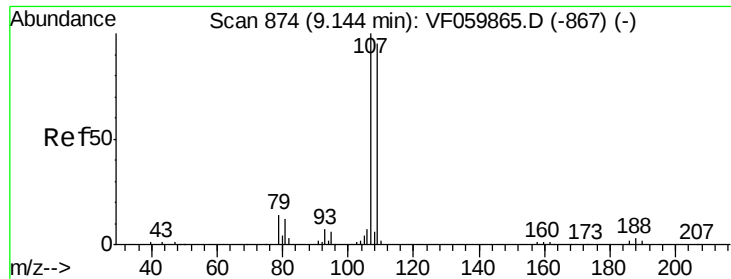
127 76.4 36.9 110.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





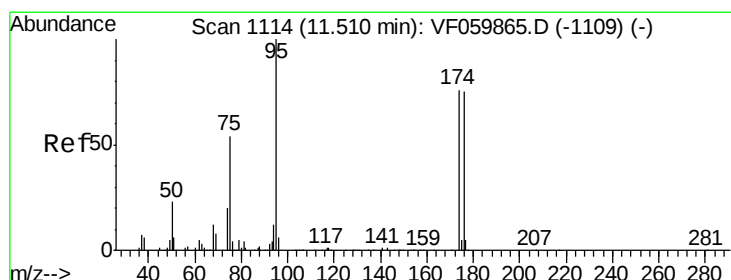
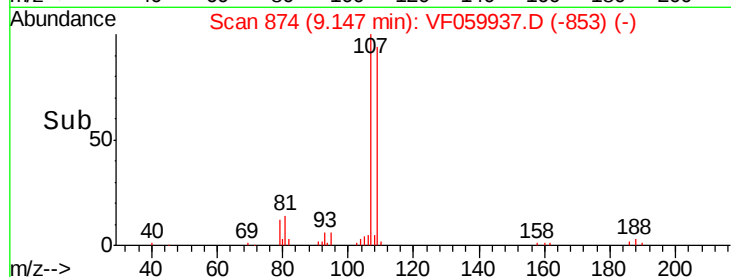
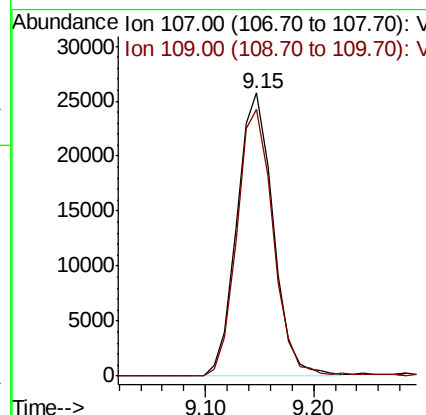
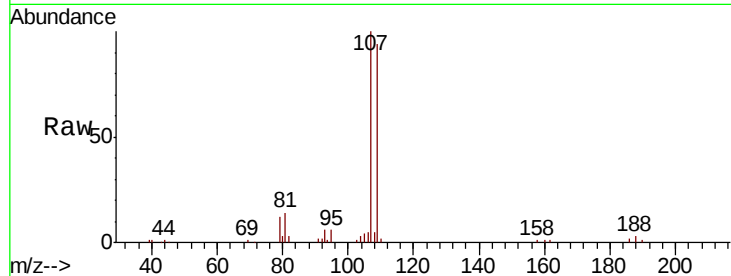
#61
 1,2-Dibromoethane
 Concen: 53.42 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

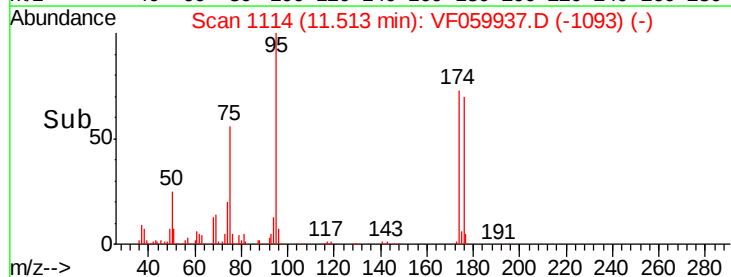
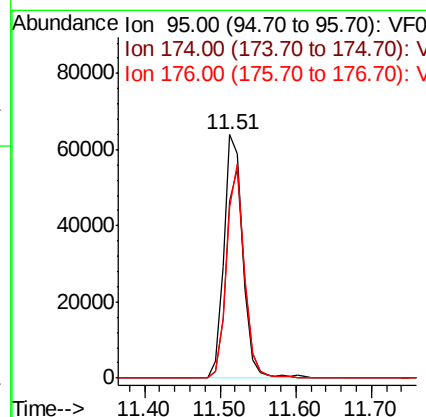
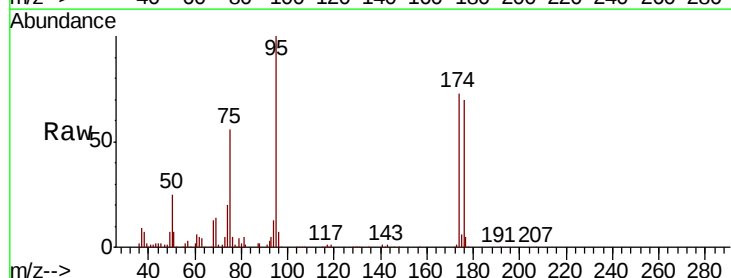
Manual Integrations
 APPROVED

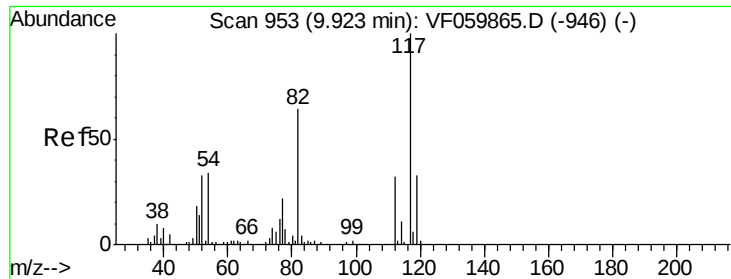
apatel
 8/13/2018 12:33:45 PM



#62
 4-Bromofluorobenzene
 Concen: 54.21 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	151.6
176	70.0	0.0	149.8





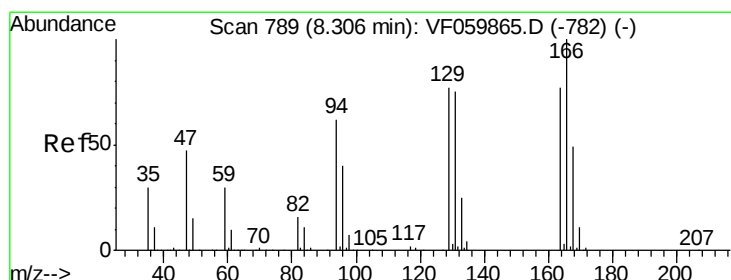
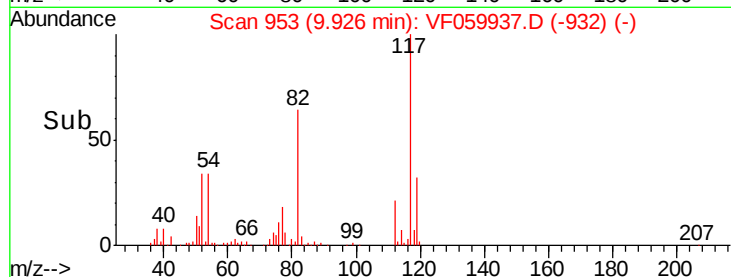
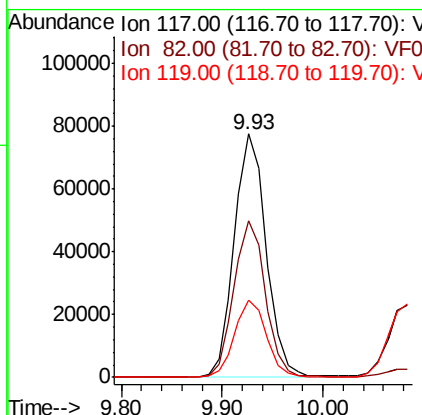
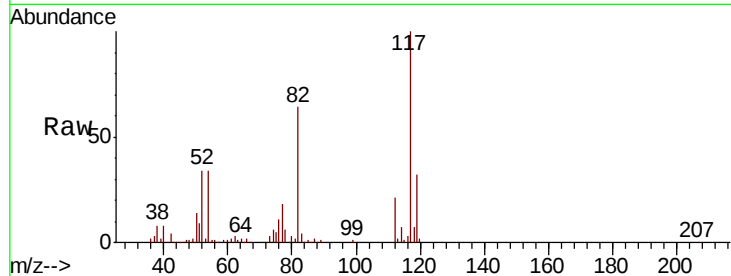
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.5	51.3	76.9
119	31.8	26.4	39.6

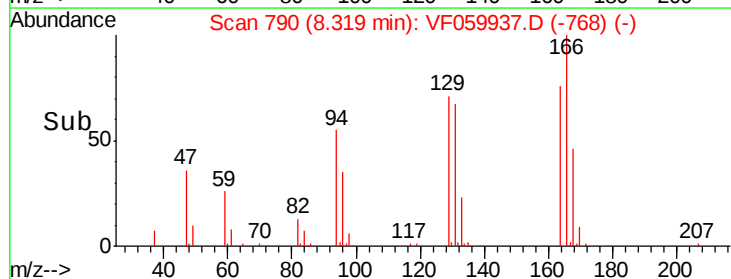
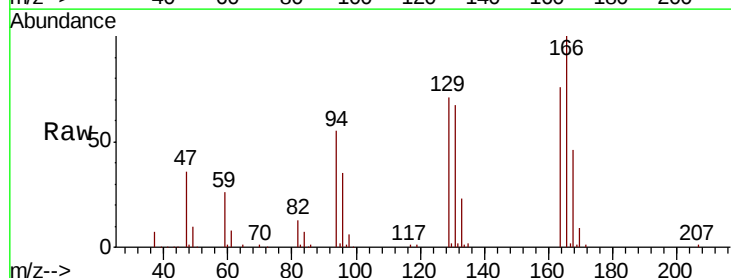
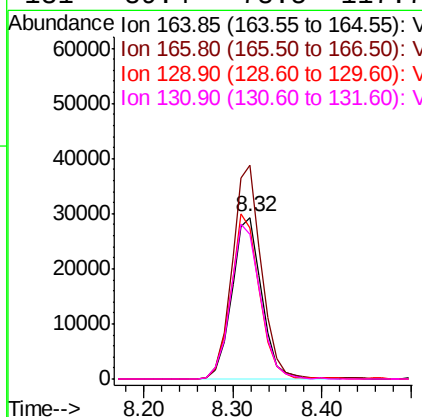
Manual Integrations
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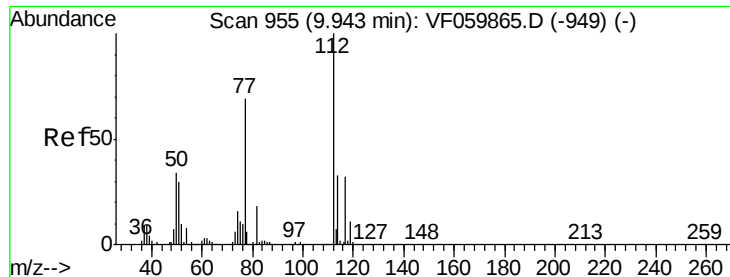
apatel
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#64
Tetrachloroethene
Concen: 46.00 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	104.4	156.6
129	93.9	80.3	120.5
131	89.4	78.5	117.7





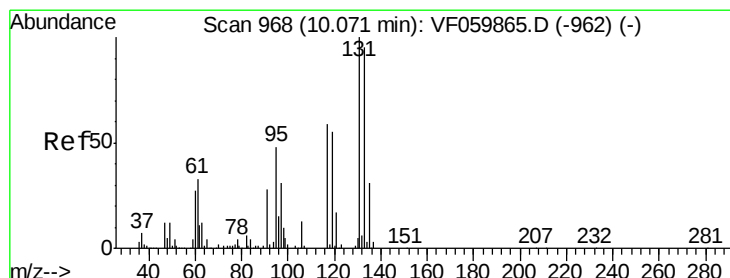
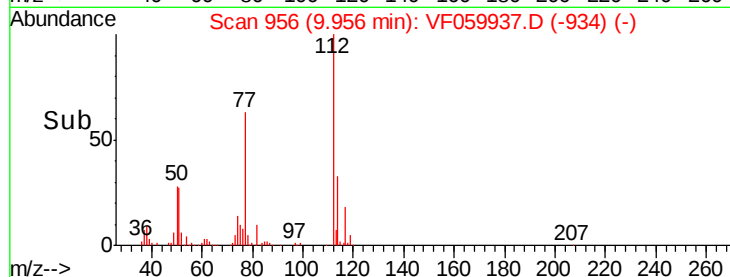
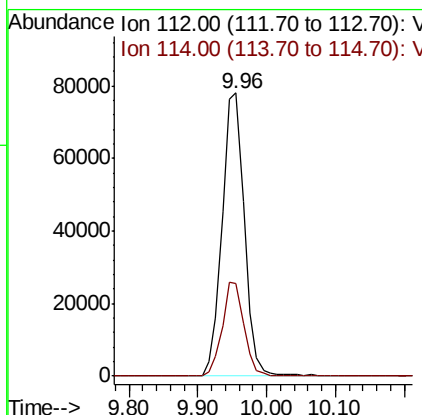
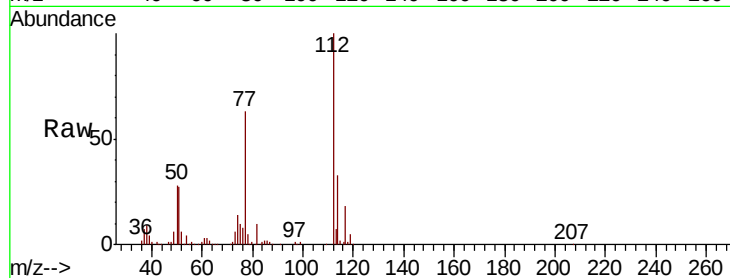
#65
Chlorobenzene
Concen: 50.44 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.4	39.6

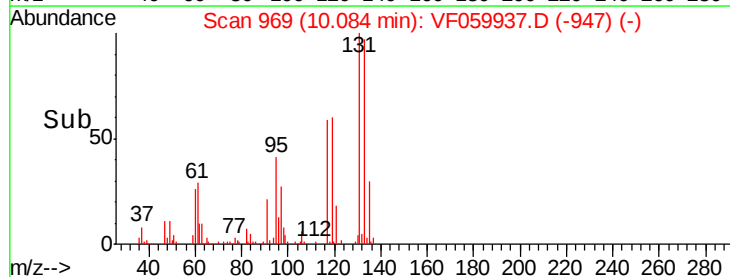
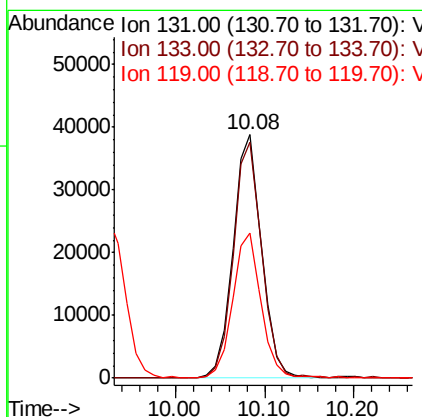
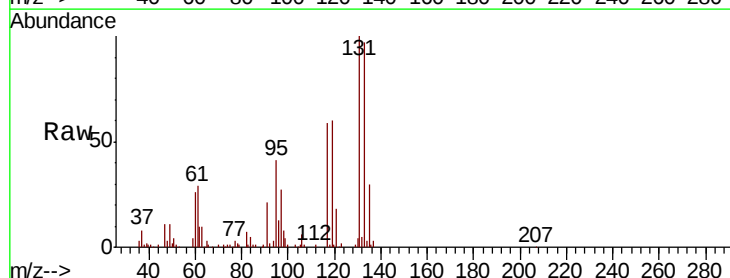
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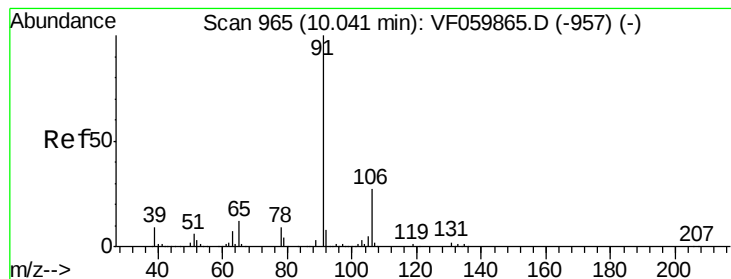
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.32 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.4	142.2
119	59.8	27.7	83.1





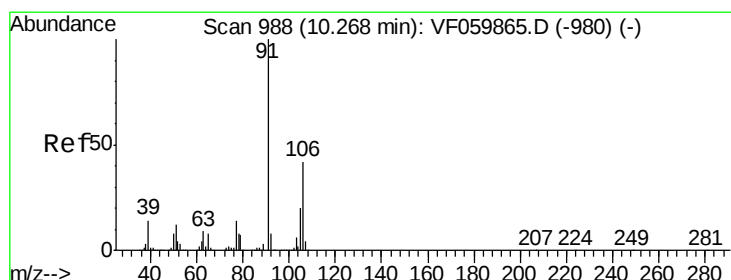
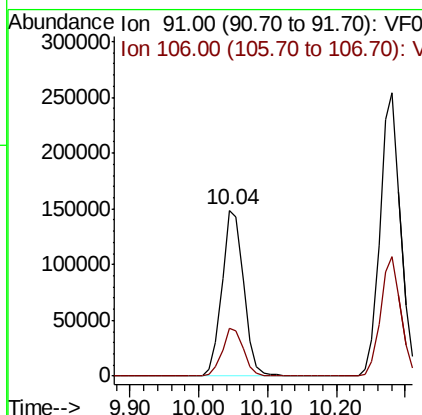
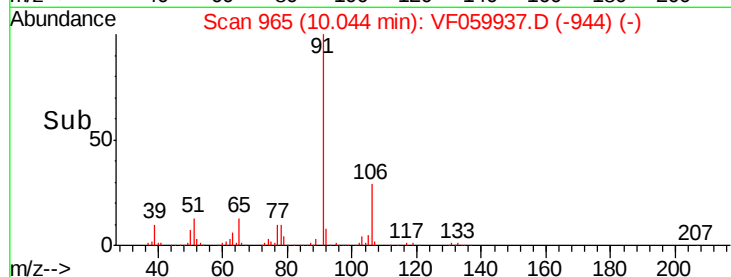
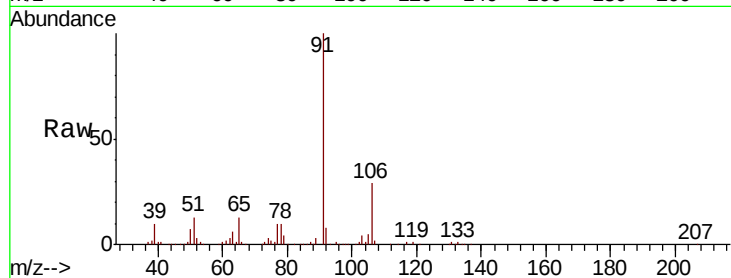
#67
Ethyl Benzene
Concen: 53.79 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	28.8	21.5	32.3

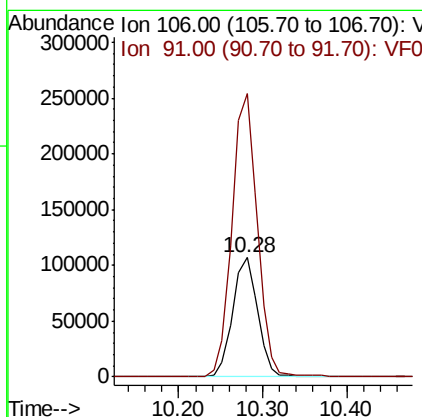
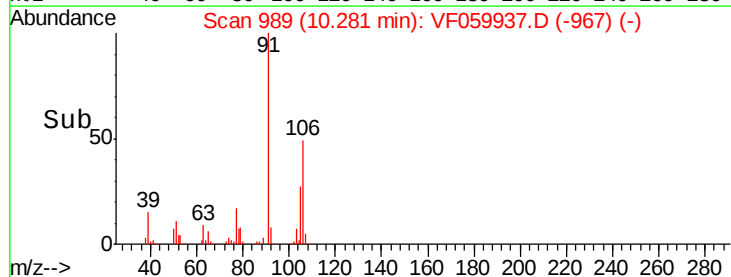
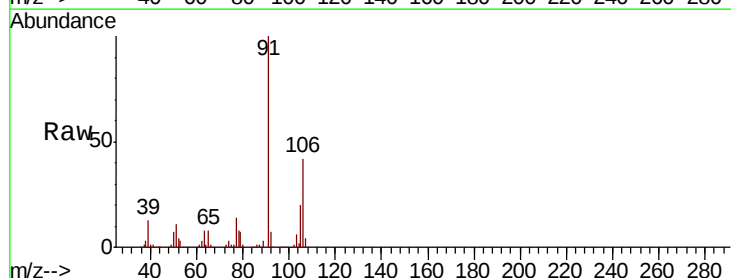
Manual Integrations
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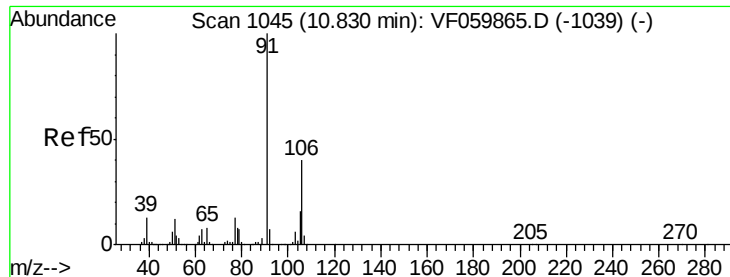
apatel
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#68
m/p-Xylenes
Concen: 105.73 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
106	100		
91	237.4	192.1	288.1





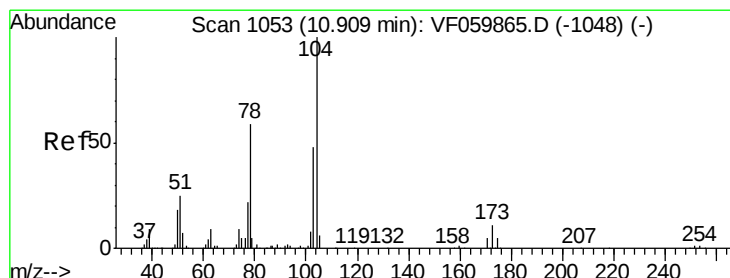
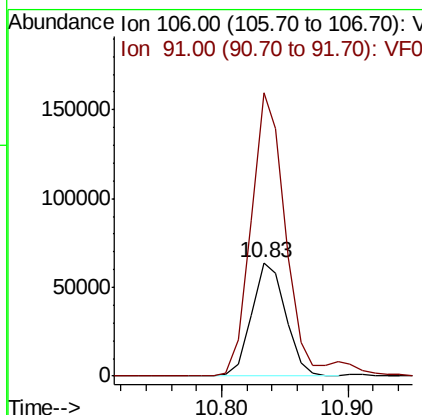
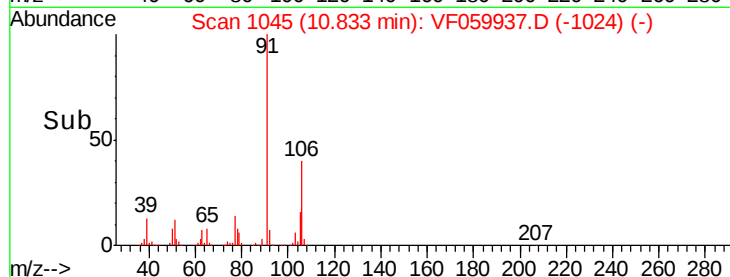
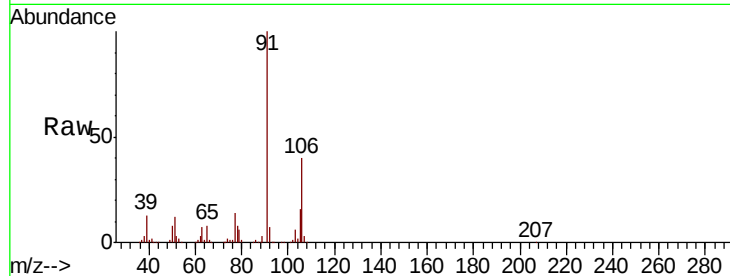
#69
o-Xylene
Concen: 53.94 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	250.1	125.4	376.2

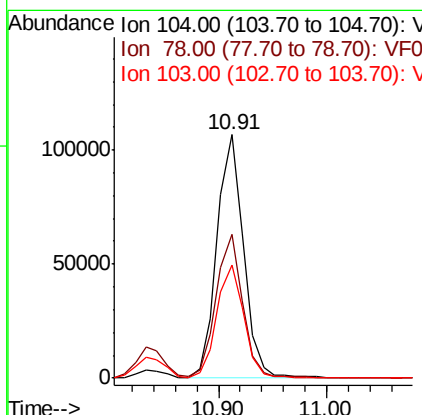
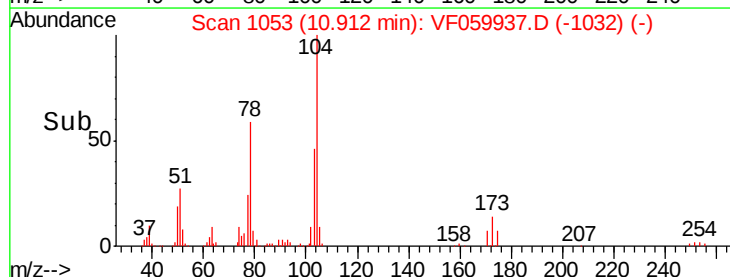
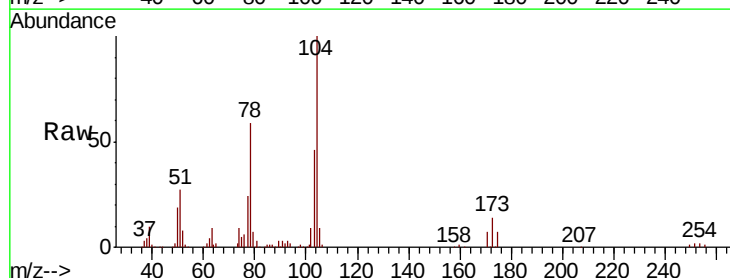
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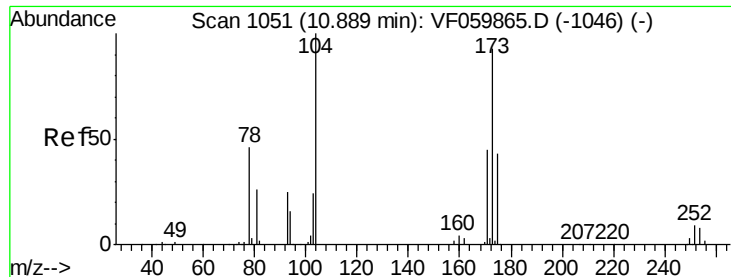
apatel
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#70
Styrene
Concen: 54.83 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.3	47.3	70.9
103	46.3	39.0	58.4





#71

Bromoform

Concen: 53.03 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 56280

Ion Ratio Lower Upper

173 100

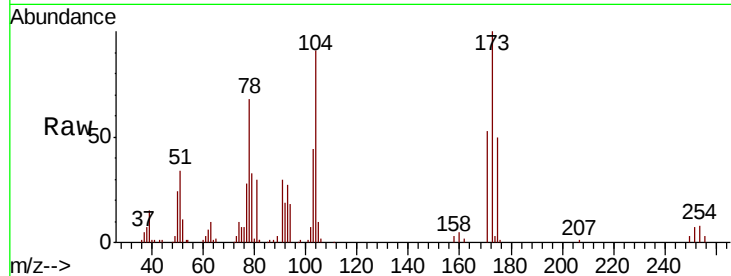
175 50.0 23.4 70.2

254 0.0 0.0 0.0

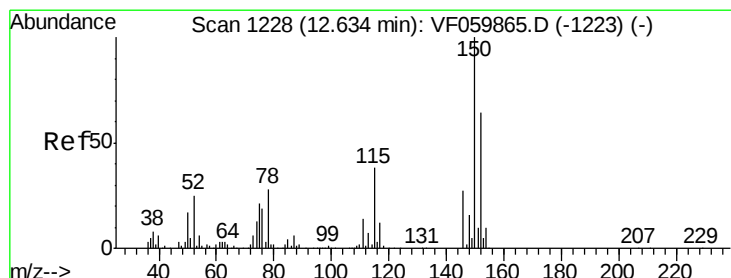
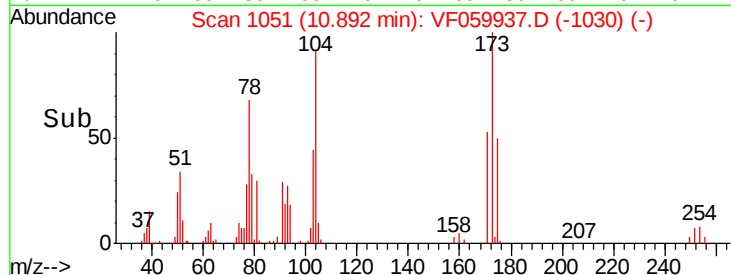
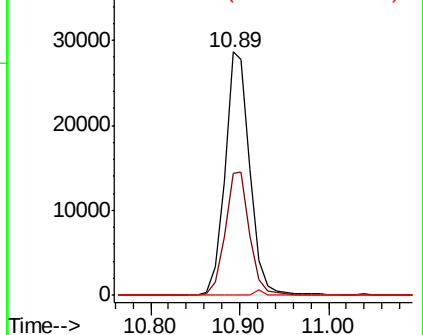
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

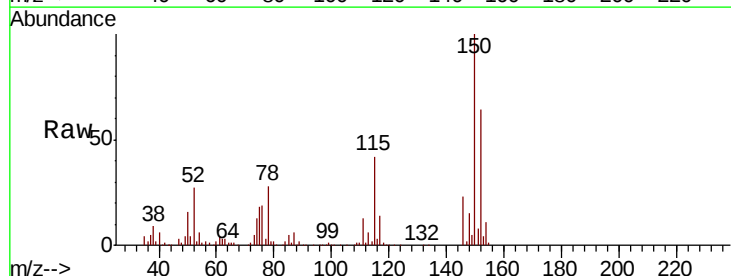
Tgt Ion:152 Resp: 113583

Ion Ratio Lower Upper

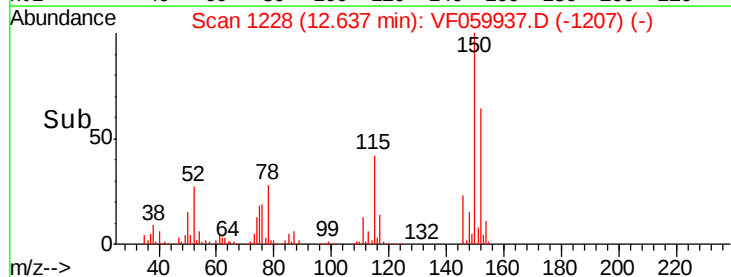
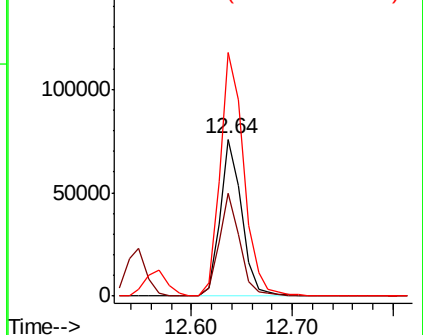
152 100

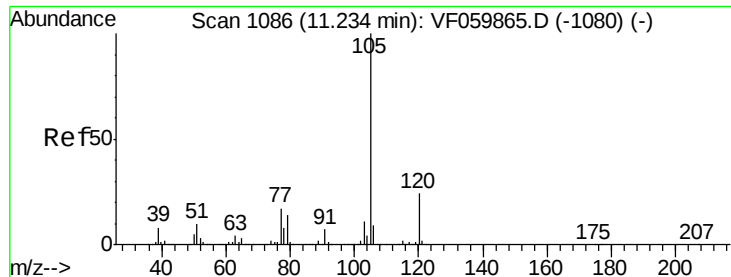
115 65.9 29.8 89.4

150 155.4 0.0 315.6



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: 56.36 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 398735

Ion Ratio Lower Upper

105 100

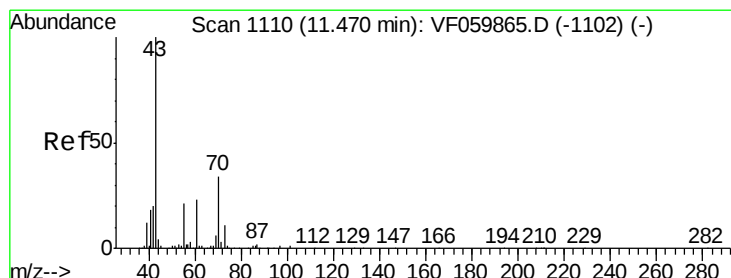
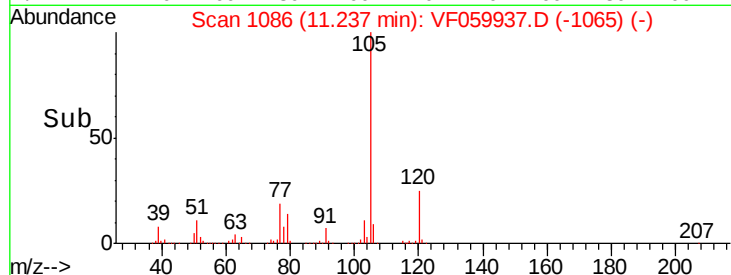
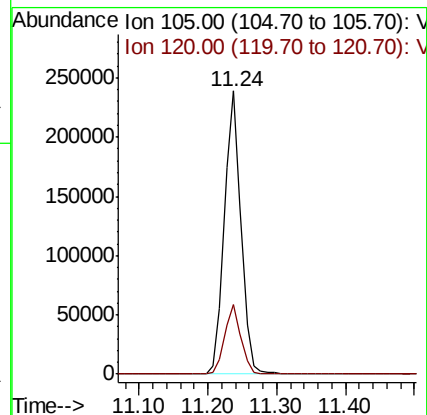
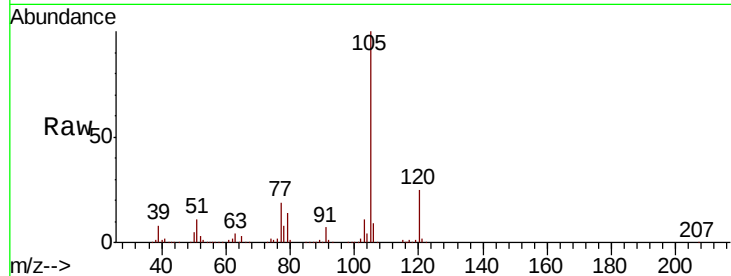
120 24.8 12.1 36.3

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#74

N-ethyl acetate

Concen: 53.27 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion: 43 Resp: 93613

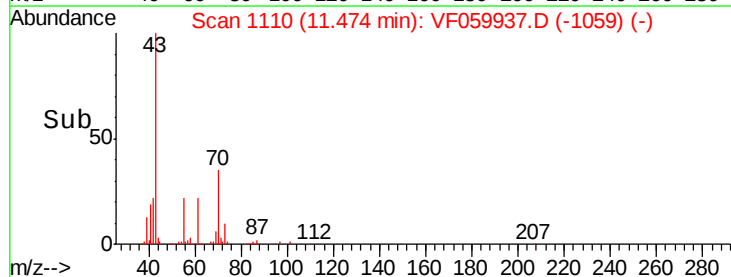
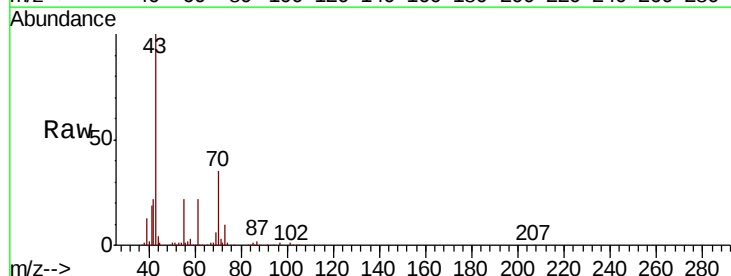
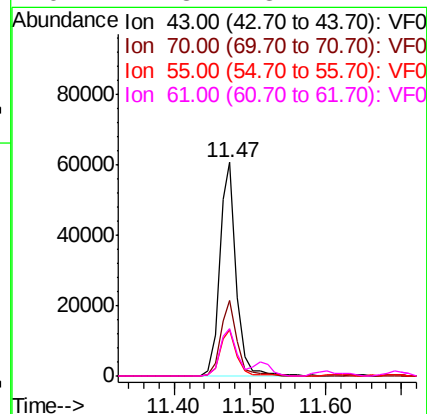
Ion Ratio Lower Upper

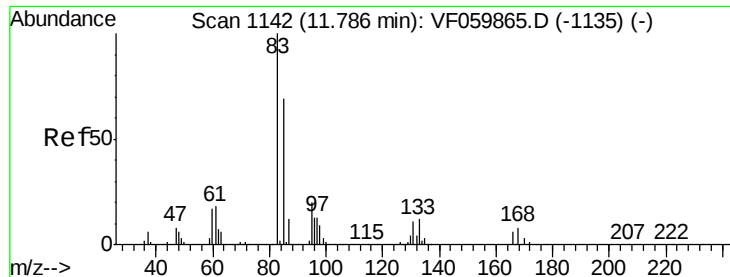
43 100

70 35.3 27.5 41.3

55 21.5 16.6 25.0

61 22.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.41 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

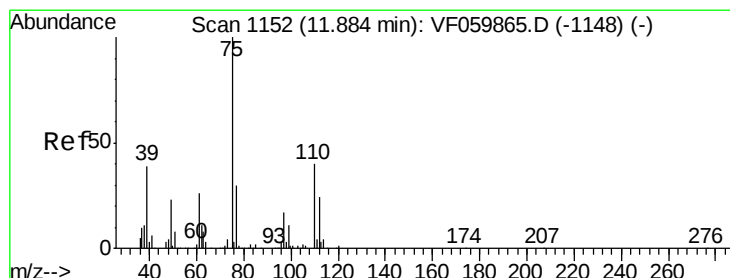
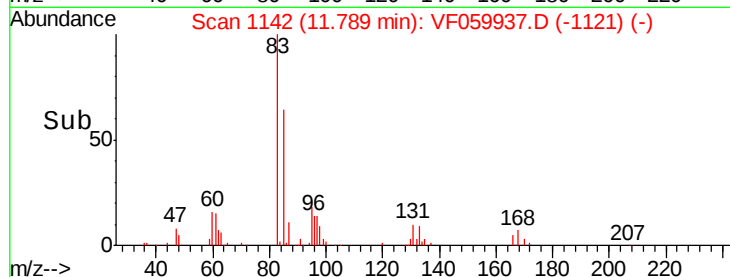
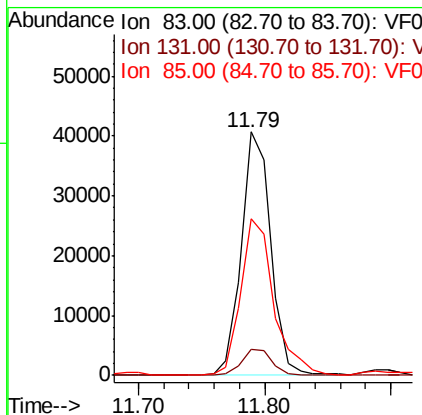
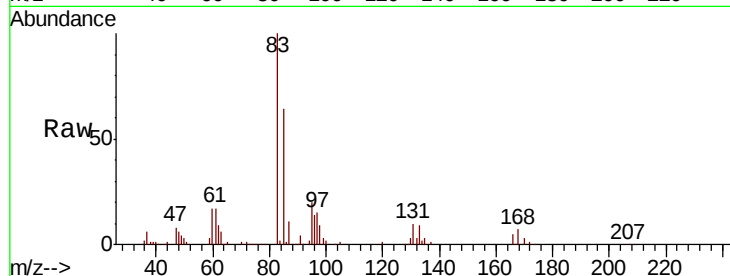
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	65634
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	64.1	34.5	103.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.70 ug/l

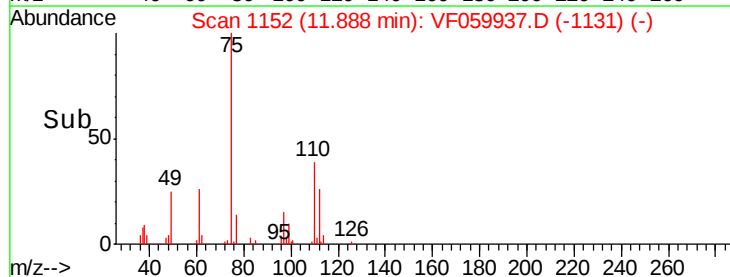
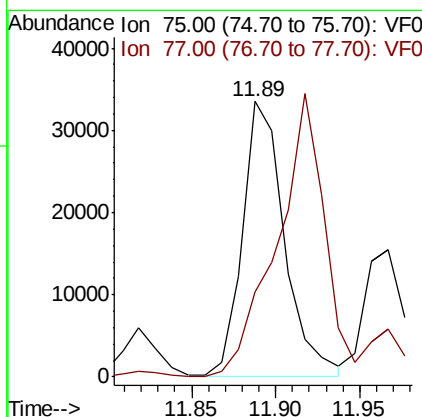
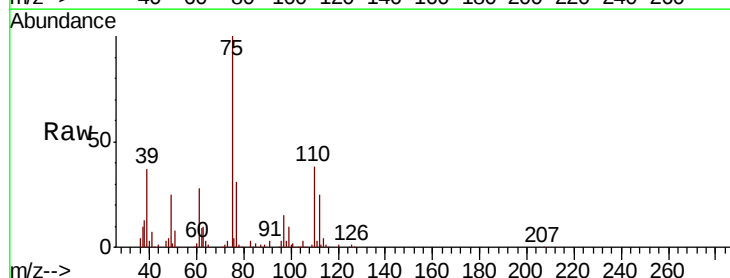
RT: 11.89 min Scan# 1152

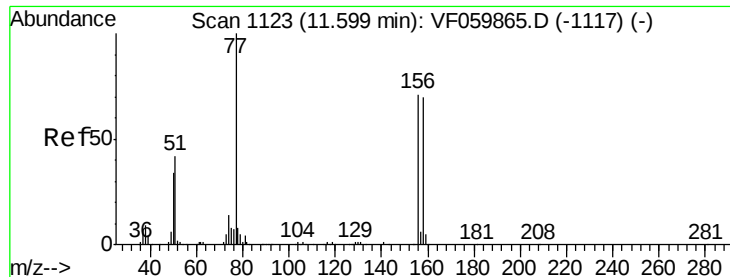
Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Tgt Ion	75	Resp	57841
Ion Ratio	100	Lower	Upper
75	100		
77	30.7	15.4	46.2





#77

Bromobenzene

Concen: 52.47 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 156 Resp: 100947

Ion Ratio Lower Upper

156 100

77 145.7 70.2 210.6

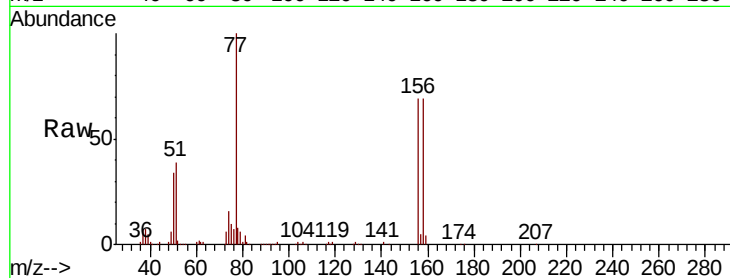
158 100.5 49.2 147.6

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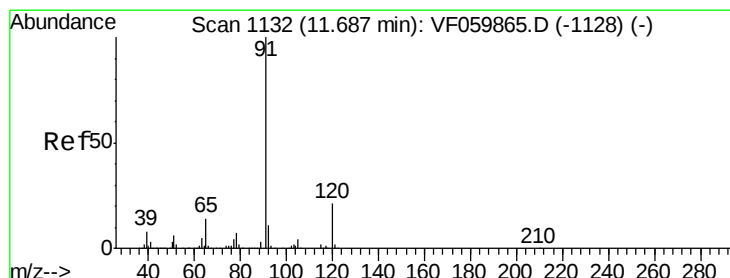
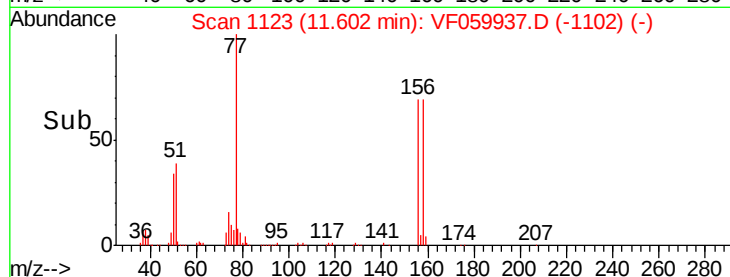
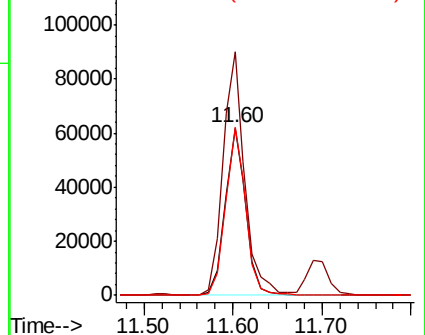
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 55.06 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059937.D

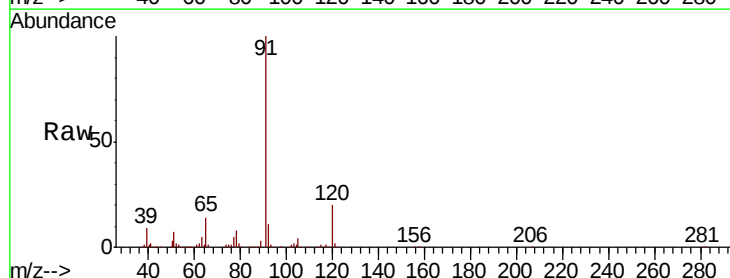
Acq: 10 Aug 2018 11:24

Tgt Ion: 91 Resp: 460023

Ion Ratio Lower Upper

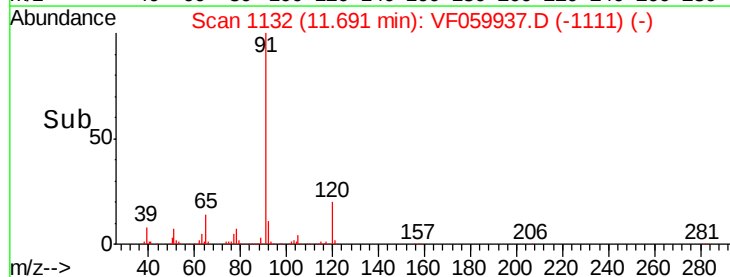
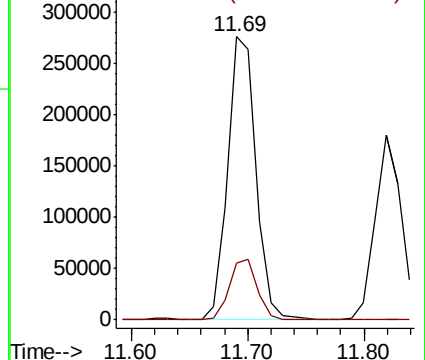
91 100

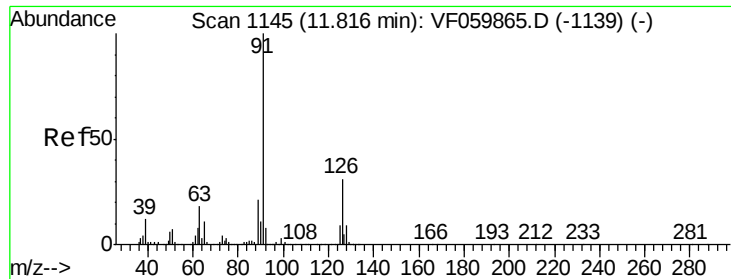
120 20.2 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.53 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 277611

Ion Ratio Lower Upper

91 100

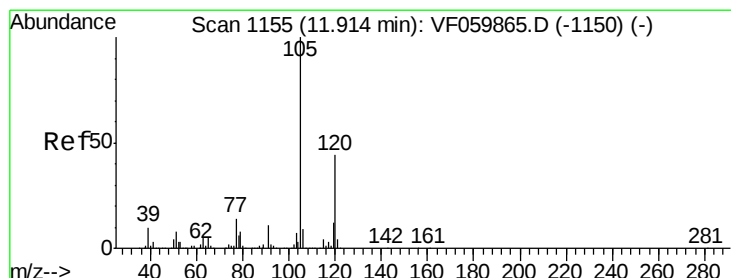
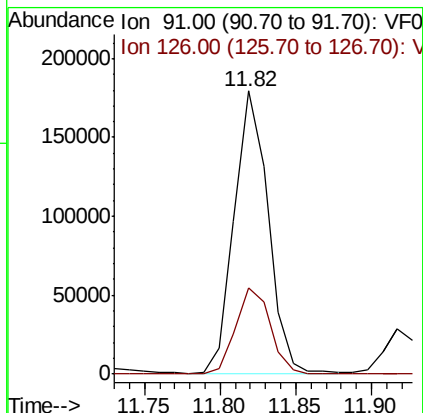
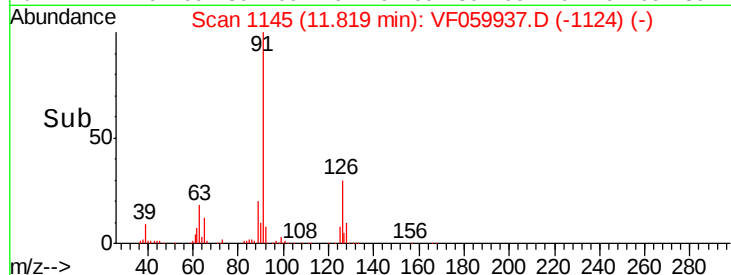
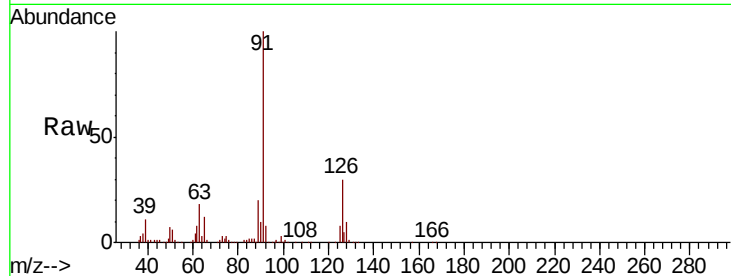
126 30.4 15.6 46.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.47 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059937.D

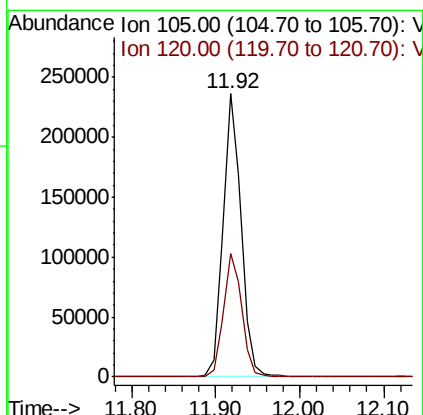
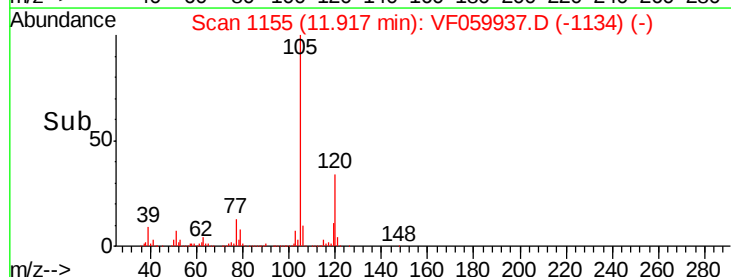
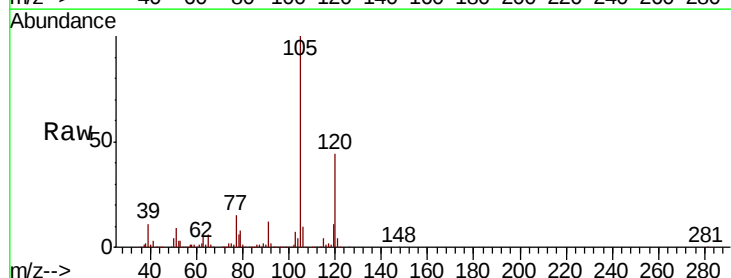
Acq: 10 Aug 2018 11:24

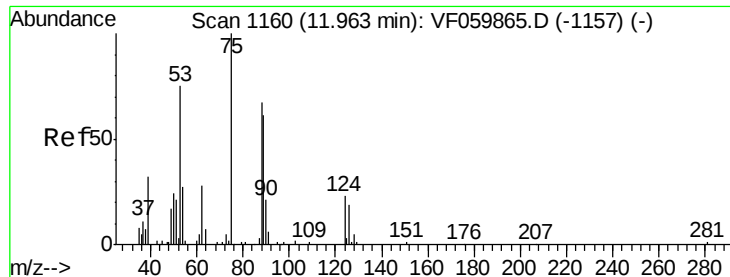
Tgt Ion: 105 Resp: 351261

Ion Ratio Lower Upper

105 100

120 43.5 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 65.94 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059937.D

Acq: 10 Aug 2018 11:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 27022

Ion Ratio Lower Upper

75 100

53 102.0 65.9 98.9#

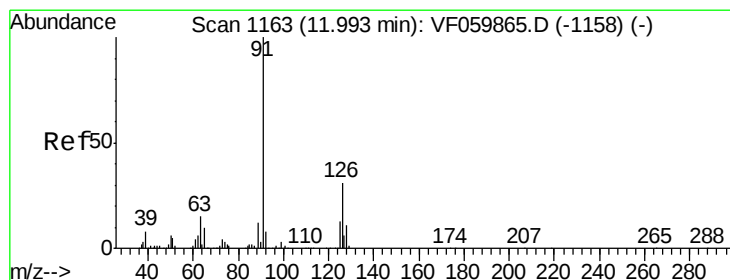
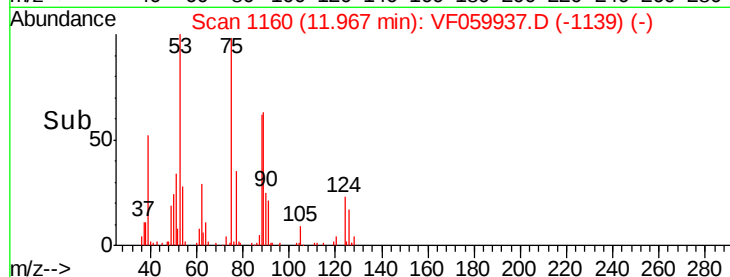
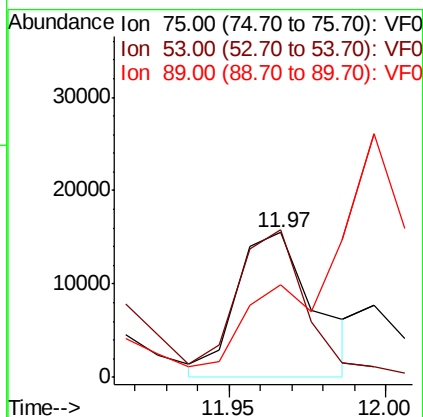
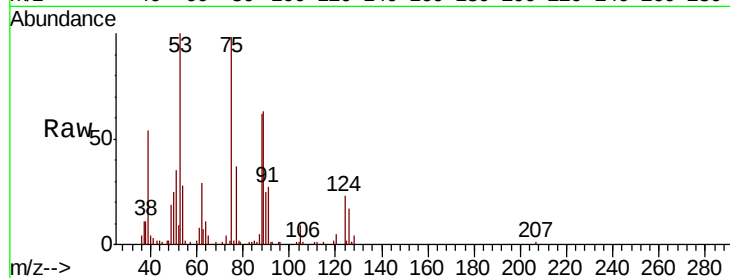
89 64.2 50.6 76.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 52.80 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059937.D

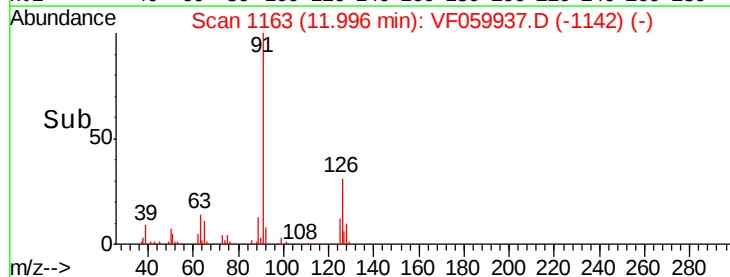
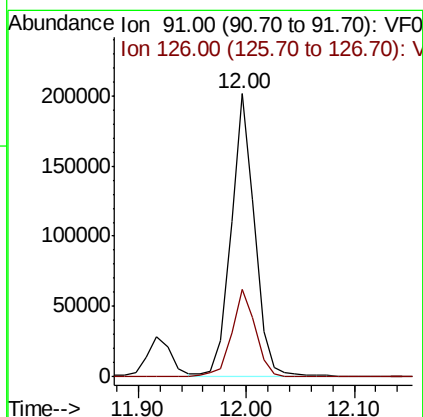
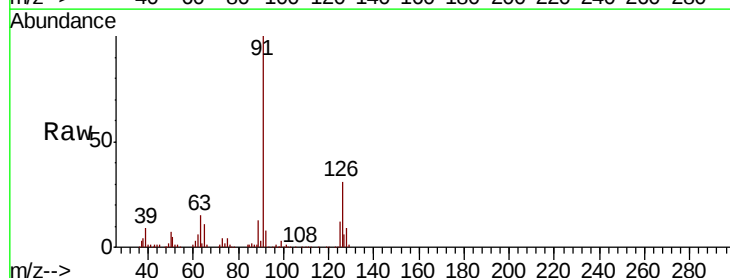
Acq: 10 Aug 2018 11:24

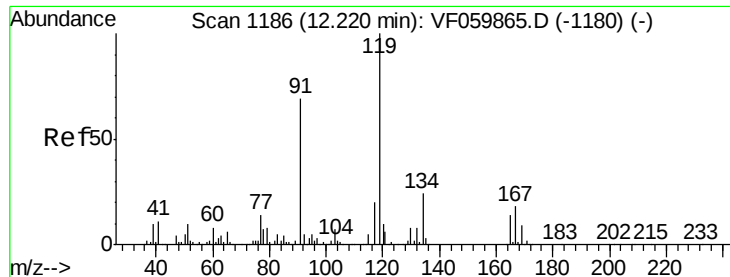
Tgt Ion: 91 Resp: 303009

Ion Ratio Lower Upper

91 100

126 31.1 15.7 47.0





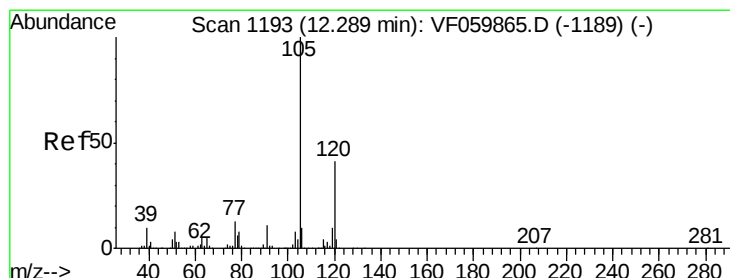
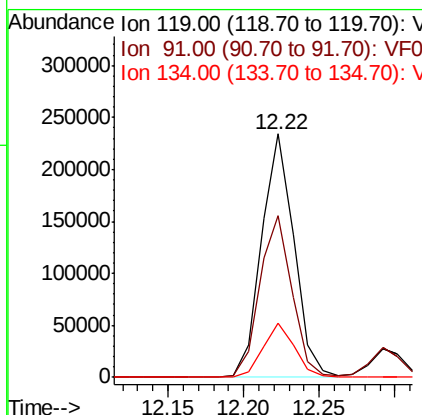
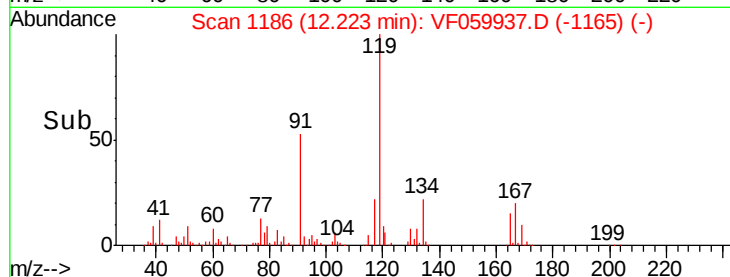
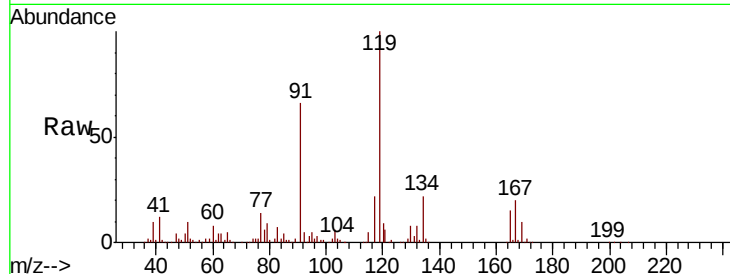
#83
 tert-Butylbenzene
 Concen: 55.28 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	34.4	103.2
134	22.2	12.1	36.3

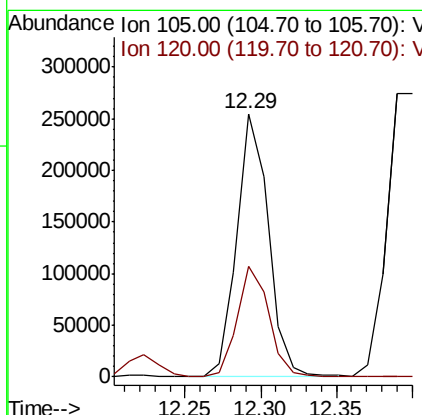
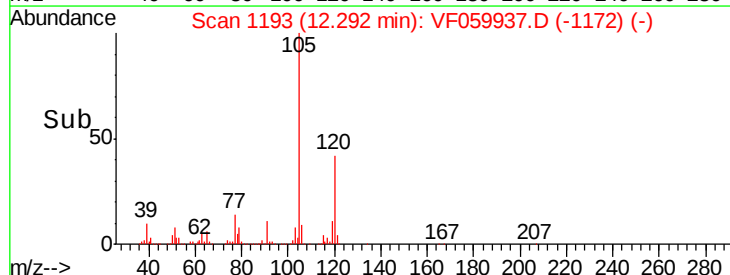
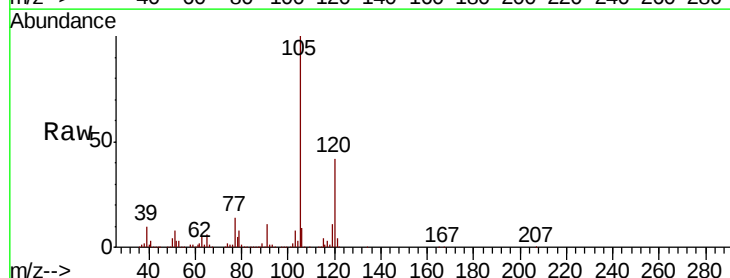
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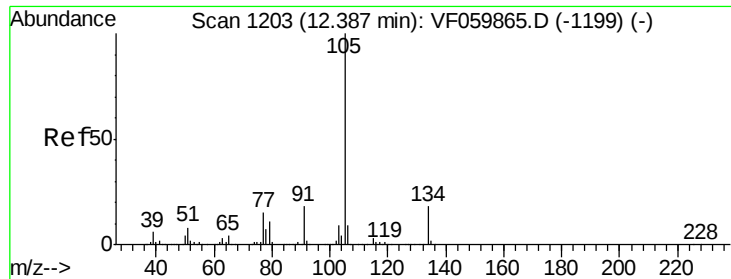
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.51 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.1	20.8	62.5





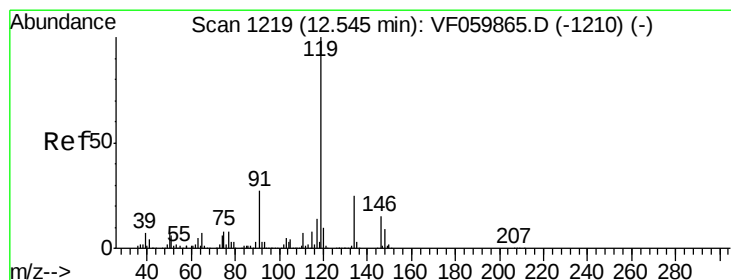
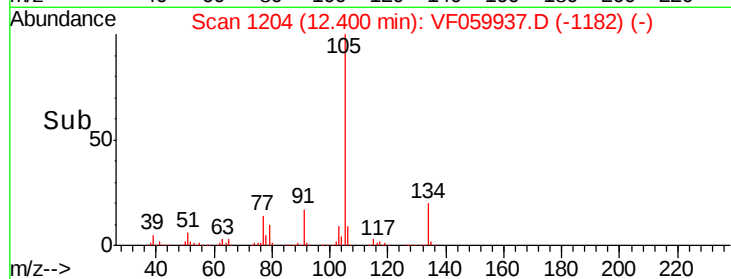
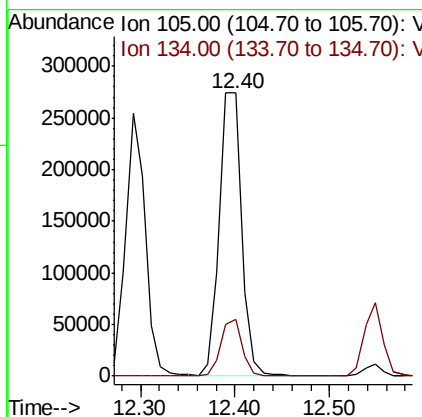
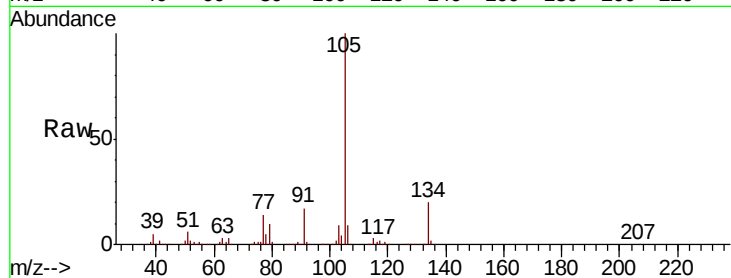
#85
 sec-Butylbenzene
 Concen: 52.83 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	448890		
134	20.2	9.1	27.3	

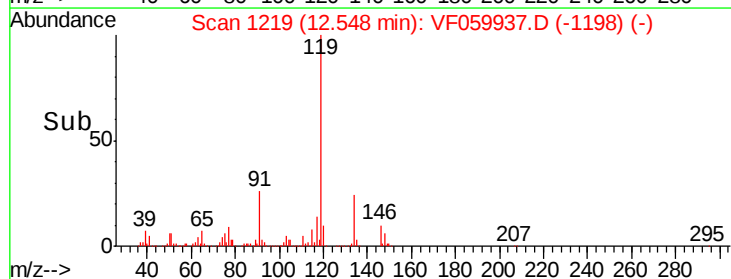
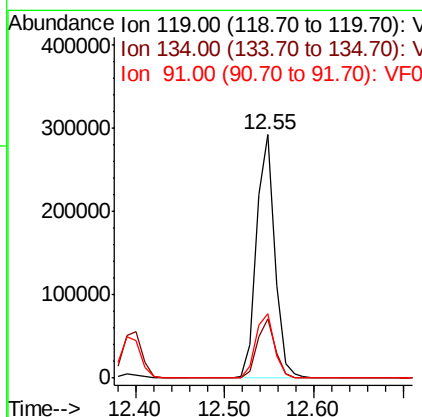
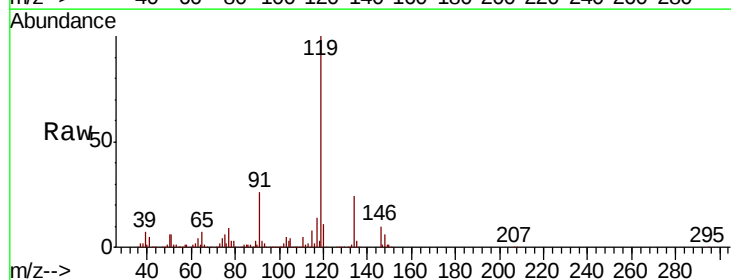
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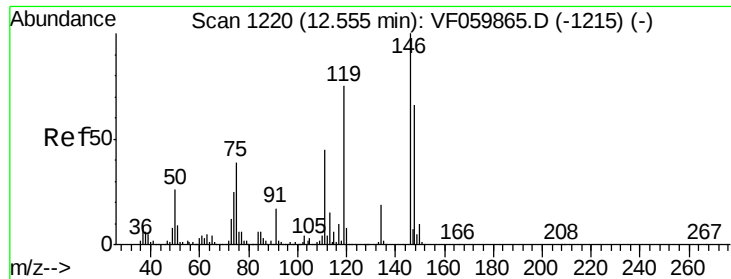
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#86
 p-Isopropyltoluene
 Concen: 57.36 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	409627		
134	24.2	12.4	37.0	
91	26.3	13.6	40.7	





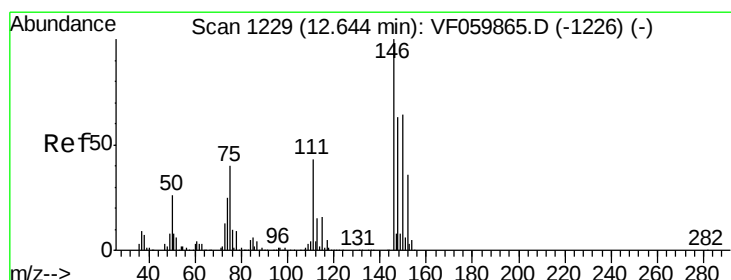
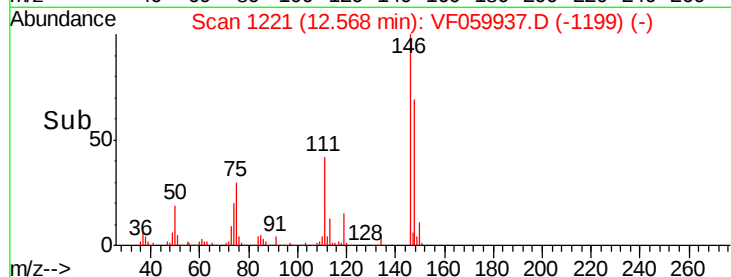
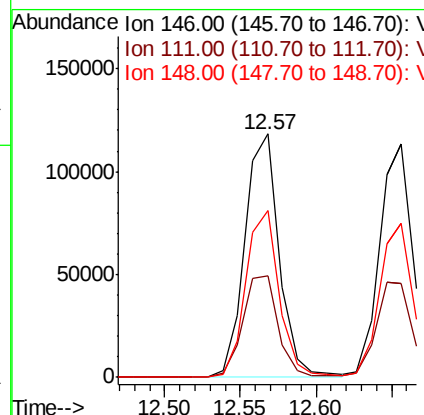
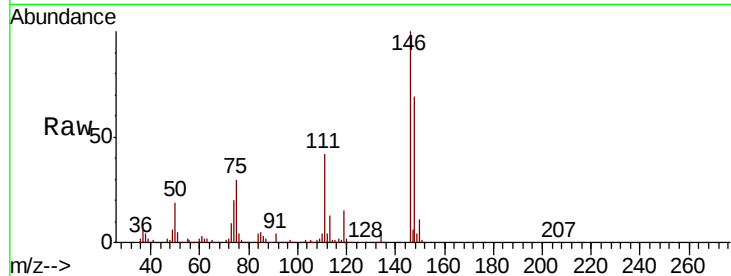
#87
 1,3-Dichlorobenzene
 Concen: 51.25 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	22.4	67.0
148	68.6	33.1	99.3

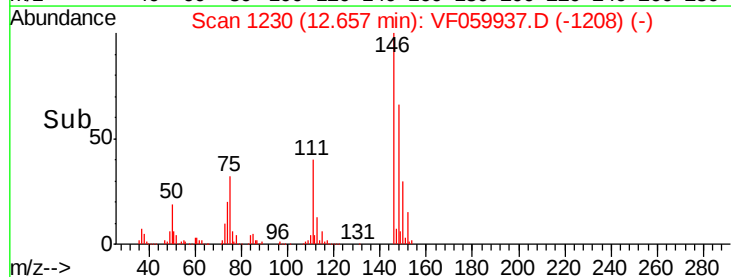
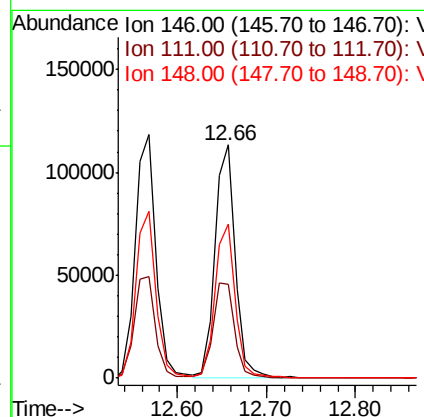
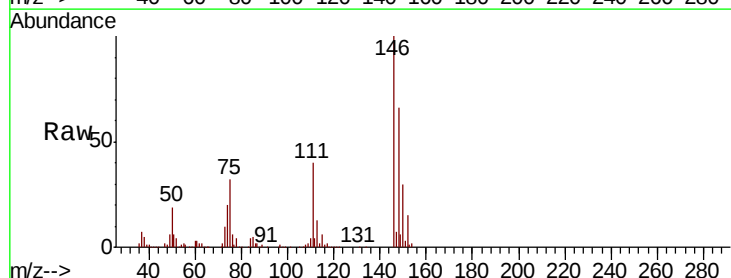
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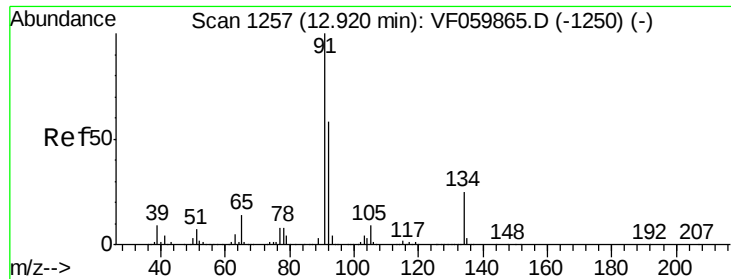
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 49.99 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.4	64.2
148	66.3	31.6	94.7





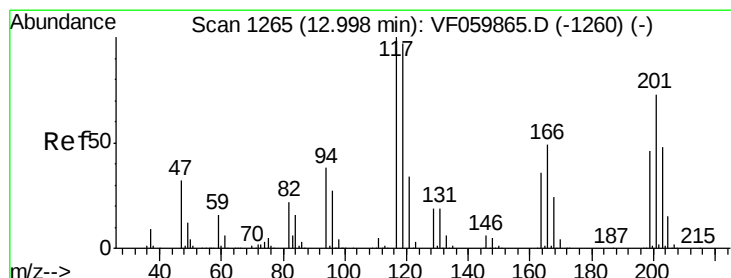
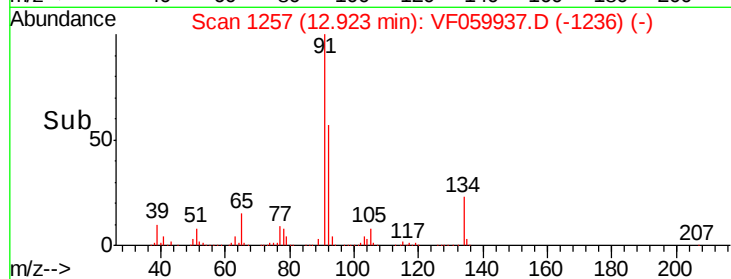
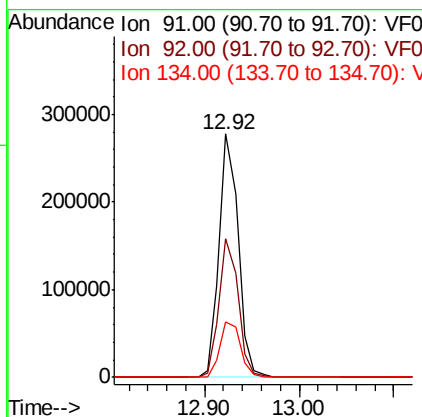
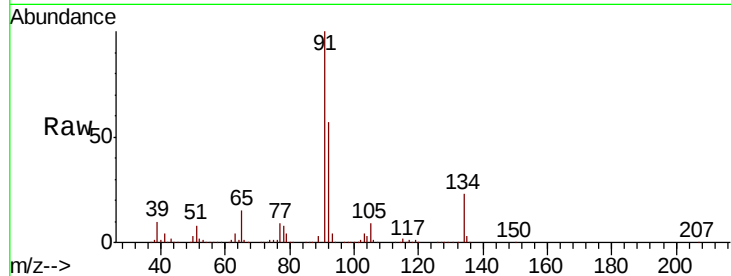
#89
n-Butylbenzene
Concen: 57.53 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	391564		
92	57.1	28.8	86.5	
134	22.9	12.6	37.6	

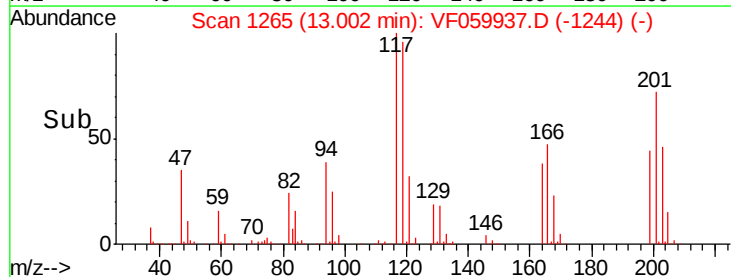
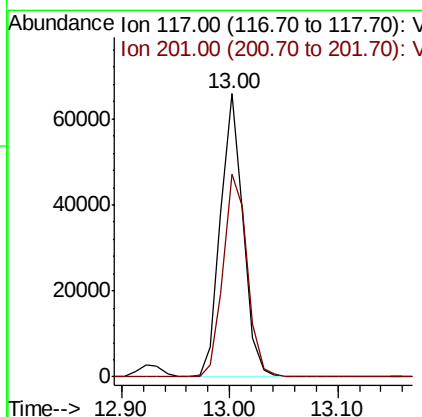
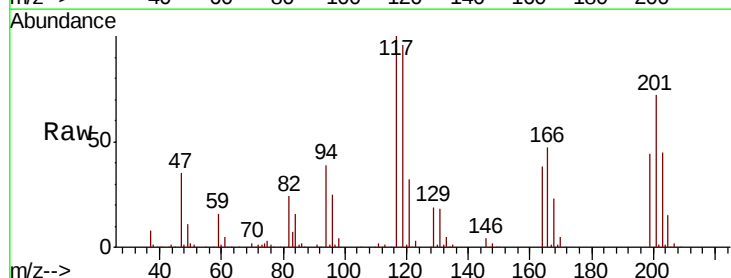
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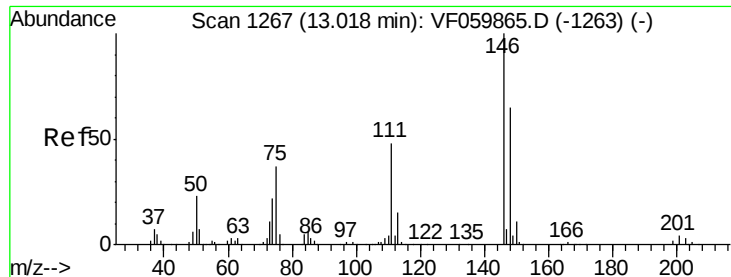
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#90
Hexachloroethane
Concen: 48.60 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	95764		
201	71.6	36.6	109.8	





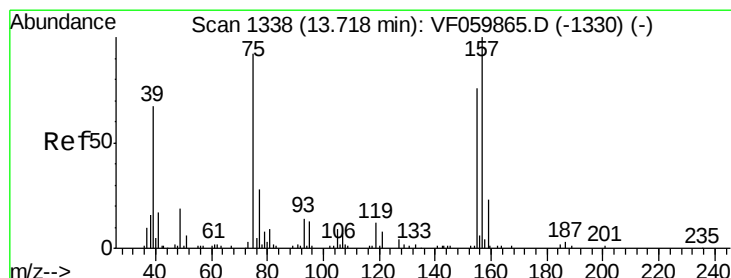
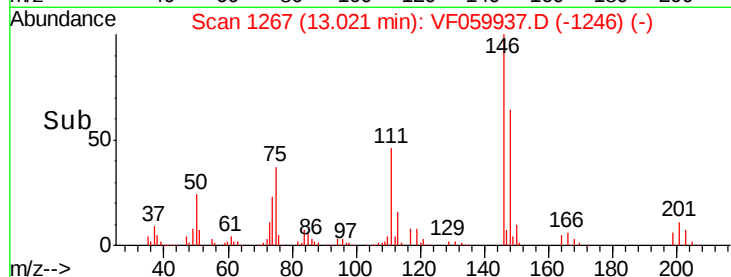
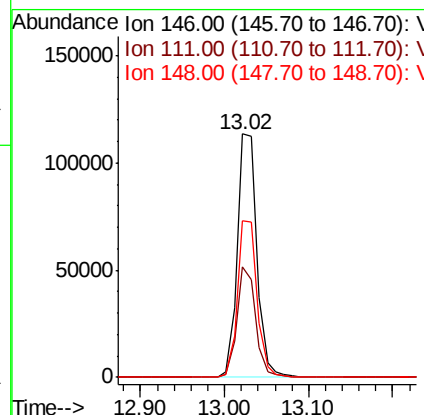
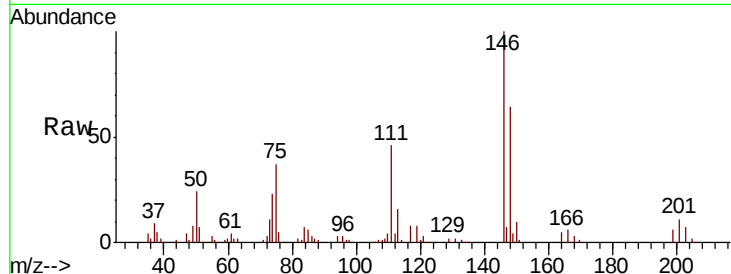
#91
 1,2-Dichlorobenzene
 Concen: 52.73 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	24.1	72.2
148	64.4	32.8	98.3

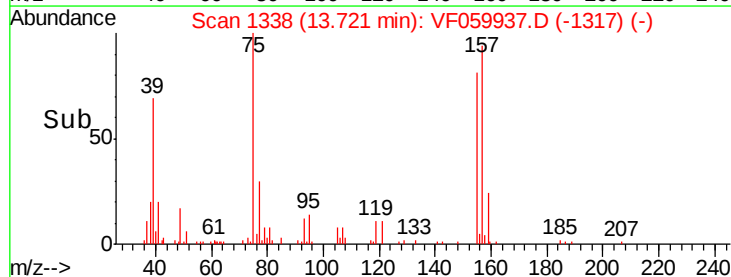
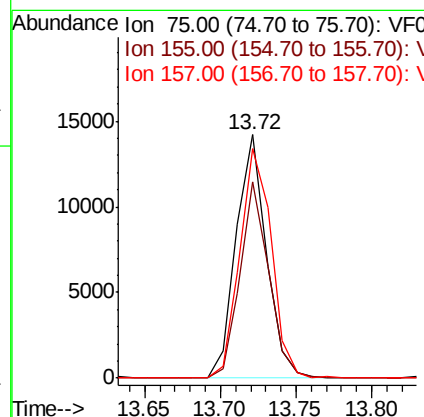
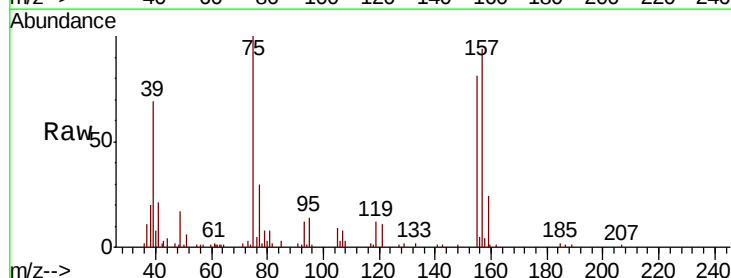
Manual Integrations
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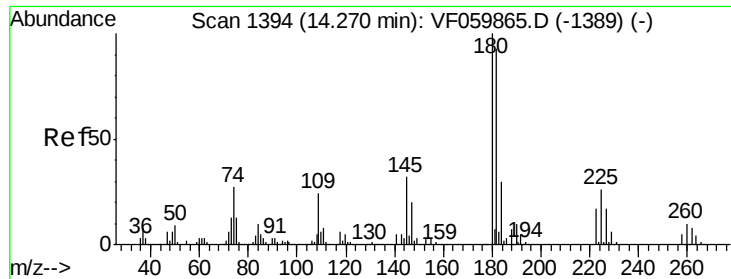
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.72 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	41.2	123.6
157	98.6	54.5	163.6





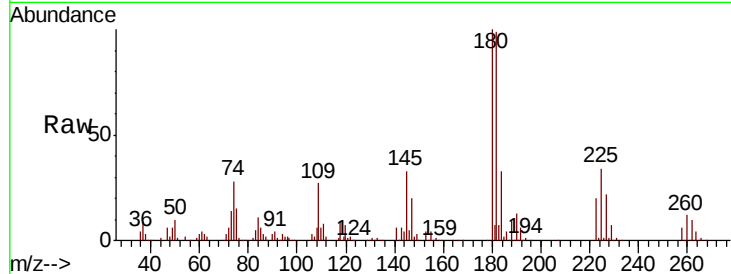
#93
 1,2,4-Trichlorobenzene
 Concen: 57.37 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152804		
182	98.7	46.4	139.2	
145	32.8	15.9	47.7	

Manual Integrations
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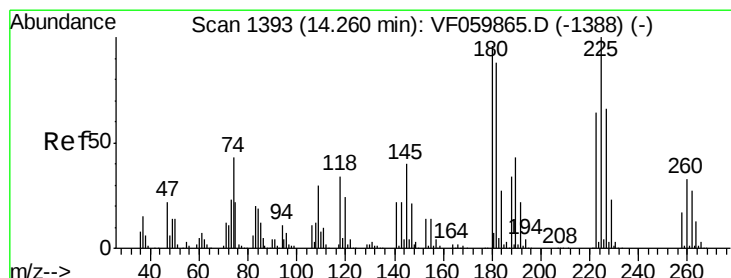
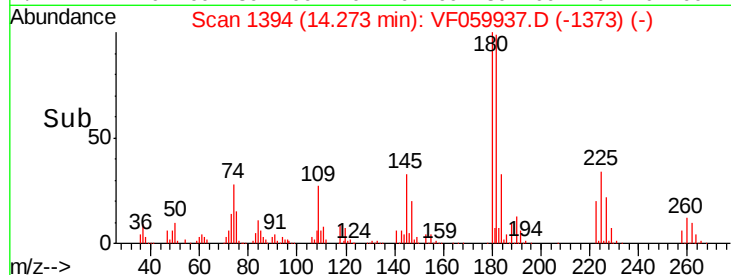
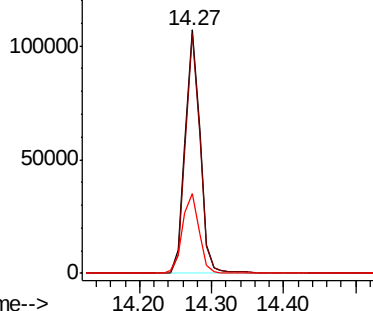


Abundance

Ion 180.00 (179.70 to 180.70): V

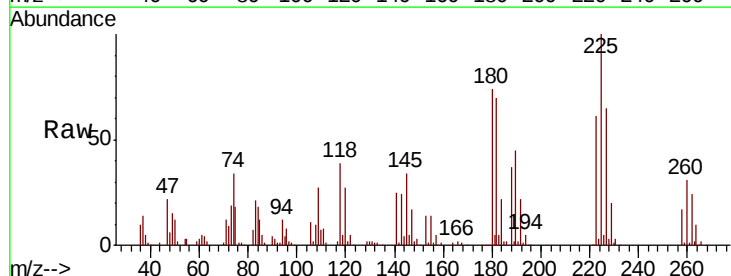
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 55.43 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059937.D
 Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104287		
223	61.4	31.9	95.9	
227	64.7	32.8	98.4	

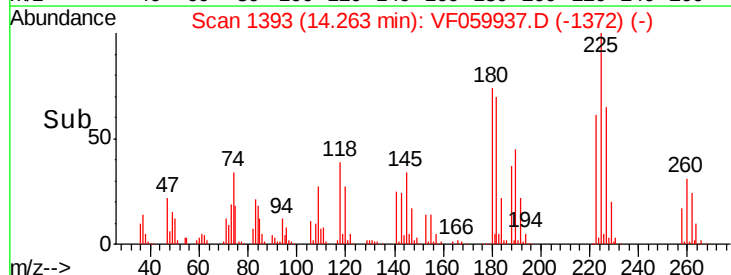
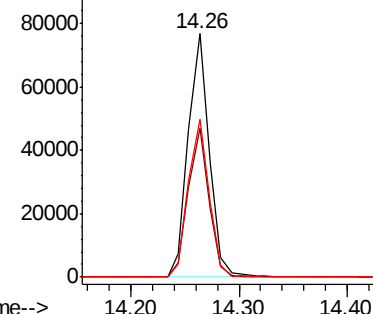


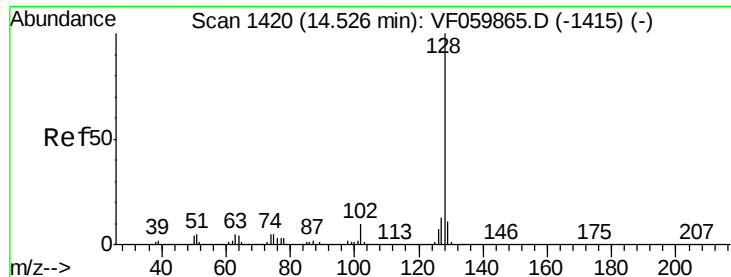
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





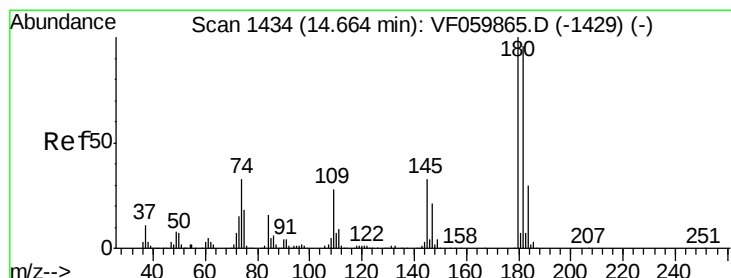
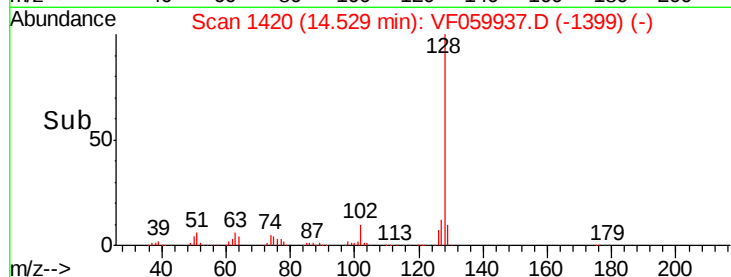
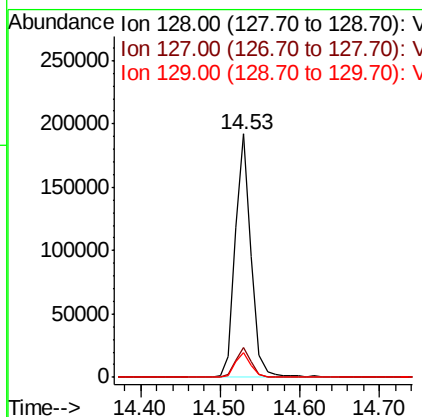
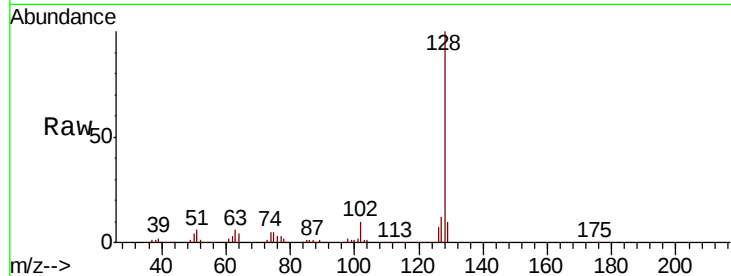
#95
Naphthalene
Concen: 58.31 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.4	15.6
129	10.2	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.89 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059937.D
Acq: 10 Aug 2018 11:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.1	144.3
145	31.5	16.6	49.8

