

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080618\
 Data File : VF059883.D
 Acq On : 6 Aug 2018 18:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/7/2018 10:46:42 AM

Quant Time: Aug 07 03:53:38 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	5.05	168	161646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	191332	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	184883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	112053	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	80963	27.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.56%	
35) Dibromofluoromethane	4.30	113	81702	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	
50) Toluene-d8	7.71	98	214437	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
62) 4-Bromofluorobenzene	11.51	95	100031	43.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	148838	53.89	ug/l	91
3) Chloromethane	1.08	50	64857	50.77	ug/l	99
4) Vinyl Chloride	1.15	62	74967	57.28	ug/l	92
5) Bromomethane	1.34	94	47169	38.18	ug/l	95
6) Chloroethane	1.43	64	37686	45.84	ug/l	96
7) Trichlorofluoromethane	1.49	101	214937m	60.00	ug/l	
8) Diethyl Ether	1.70	74	15185	26.71	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	93050	47.07	ug/l	95
10) Methyl Iodide	1.93	142	135152	44.50	ug/l	99
11) Tert butyl alcohol	2.67	59	13058	111.09	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	69459	48.10	ug/l	90
13) Acrolein	2.09	56	8834	125.40	ug/l #	80
14) Allyl chloride	2.19	41	106951	44.43	ug/l	96
15) Acrylonitrile	3.07	53	21570	100.14	ug/l	95
16) Acetone	2.33	43	73887	137.34	ug/l	99
17) Carbon Disulfide	1.85	76	210565	54.63	ug/l	95
18) Methyl Acetate	2.45	43	17605	19.40	ug/l #	88
19) Methyl tert-butyl Ether	2.53	73	112640	27.55	ug/l	96
20) Methylene Chloride	2.29	84	58463	42.84	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	65616	45.75	ug/l	96
22) Diisopropyl ether	2.93	45	156853	33.87	ug/l #	97
23) Vinyl Acetate	3.33	43	320397	142.91	ug/l #	94
24) 1,1-Dichloroethane	3.00	63	139977	41.50	ug/l	99
25) 2-Butanone	4.51	43	85886	146.82	ug/l	96
26) 2,2-Dichloropropane	3.76	77	143559	73.12	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	66094	40.98	ug/l	97
28) Bromochloromethane	3.89	49	35308	29.65	ug/l	93
29) Tetrahydrofuran	4.26	42	23937	111.15	ug/l	92
30) Chloroform	4.03	83	177140	38.82	ug/l	99
31) Cyclohexane	3.86	56	89486	53.61	ug/l	89
32) 1,1,1-Trichloroethane	4.28	97	195454	53.55	ug/l	99
36) 1,1-Dichloropropene	4.45	75	137542	62.15	ug/l	98
37) Ethyl Acetate	4.29	43	24673	25.97	ug/l #	1
38) Carbon Tetrachloride	4.17	117	205148	64.75	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	113413	68.33	ug/l	96
40) Benzene	4.81	78	203045	53.77	ug/l	98
41) Methacrylonitrile	4.93	41	14769	29.45	ug/l	92
42) 1,2-Dichloroethane	5.11	62	107063	34.94	ug/l	99
43) Isopropyl Acetate	7.11	43	29967	30.63	ug/l #	95
44) Trichloroethene	5.68	130	83186	56.44	ug/l	92
45) 1,2-Dichloropropane	6.40	63	48870	48.12	ug/l	100
46) Dibromomethane	6.26	93	33292	32.49	ug/l	92
47) Bromodichloromethane	6.55	83	120346	42.94	ug/l	97
48) Methyl methacrylate	6.87	41	23596	31.00	ug/l #	88
49) 1,4-Dioxane	6.87	88	3224	622.55	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	146505	146.44	ug/l	94
52) Toluene	7.78	92	152010	54.38	ug/l	88
53) t-1,3-Dichloropropene	8.43	75	85698	40.20	ug/l #	88
54) cis-1,3-Dichloropropene	7.46	75	100483	45.67	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	35802	35.58	ug/l	95
56) Ethyl methacrylate	8.76	69	33946	32.06	ug/l	92
57) 1,3-Dichloropropane	9.00	76	61005	35.31	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.78	63	34213	257.01	ug/l	100
59) 2-Hexanone	9.63	43	118419	167.57	ug/l	96
60) Dibromochloromethane	8.86	129	72738	38.53	ug/l	96
61) 1,2-Dibromoethane	9.14	107	38984	31.80	ug/l	96
64) Tetrachloroethene	8.31	164	86573	54.28	ug/l	95
65) Chlorobenzene	9.94	112	192443	51.28	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	83099	44.52	ug/l	97
67) Ethyl Benzene	10.04	91	385875	59.02	ug/l	98
68) m/p-Xylenes	10.25	106	305087	135.00	ug/l	79
69) o-Xylene	10.83	106	135054	56.41	ug/l	89
70) Styrene	10.90	104	183974	51.50	ug/l	98
71) Bromoform	10.89	173	37977	33.20	ug/l	89
73) Isopropylbenzene	11.23	105	453584	64.99	ug/l	100
74) N-amyl acetate	11.46	43	63415	37.50	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	44929	34.29	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	39532	35.12	ug/l	86
77) Bromobenzene	11.59	156	97600	51.42	ug/l	90
78) n-propylbenzene	11.69	91	555668	67.42	ug/l	97
79) 2-Chlorotoluene	11.81	91	317588	60.91	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	409234	63.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	12613	31.20	ug/l #	81
82) 4-Chlorotoluene	11.98	91	324197	57.26	ug/l	95
83) tert-Butylbenzene	12.21	119	403009	63.88	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	391636	58.76	ug/l	94
85) sec-Butylbenzene	12.39	105	560971	66.92	ug/l	100
86) p-Isopropyltoluene	12.54	119	477956	67.84	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	188958	52.54	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	183686	52.03	ug/l	98
89) n-Butylbenzene	12.92	91	473640	70.54	ug/l	98
90) Hexachloroethane	13.00	117	113163	58.21	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	161292	46.61	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9910	30.00	ug/l	87

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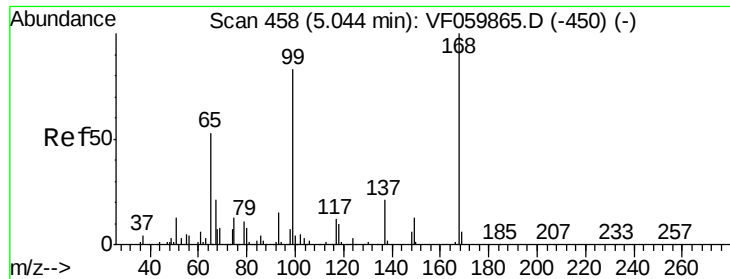
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	122317	46.55	ug/l	95
94) Hexachlorobutadiene	14.25	225	121102	65.24	ug/l	96
95) Naphthalene	14.52	128	152610	33.55	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	111343	42.91	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

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Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 161646

Ion Ratio Lower Upper

168 100

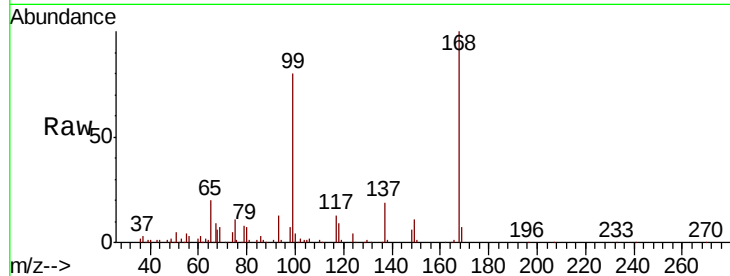
99 79.6 66.3 99.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

50000

40000

30000

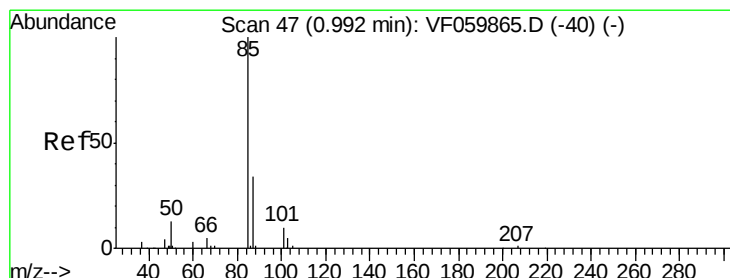
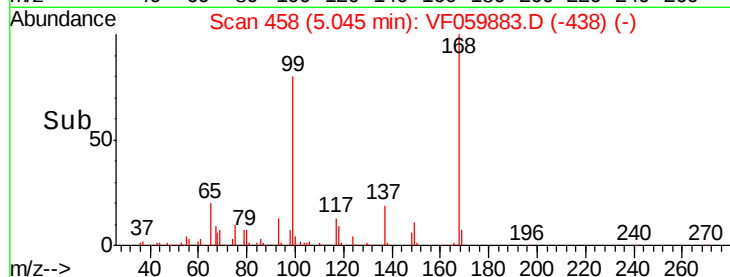
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 53.89 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059883.D

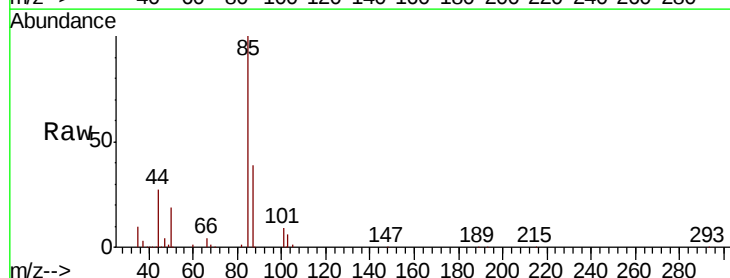
Acq: 6 Aug 2018 18:17

Tgt Ion: 85 Resp: 148838

Ion Ratio Lower Upper

85 100

87 38.7 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

60000

50000

40000

30000

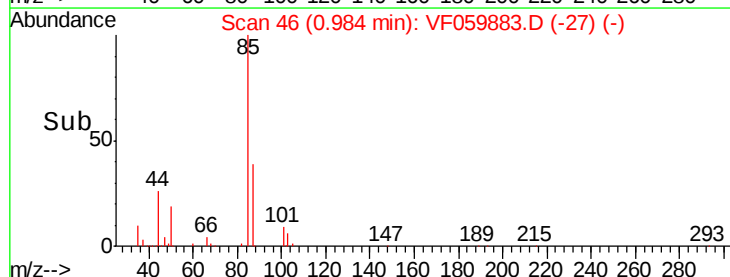
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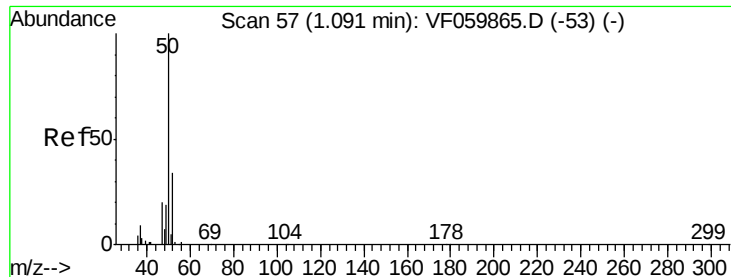
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 50.77 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 64857

Ion Ratio Lower Upper

50 100

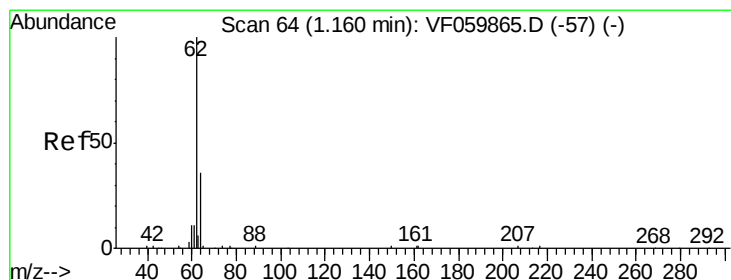
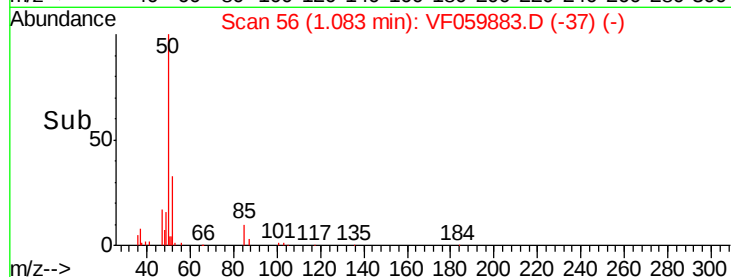
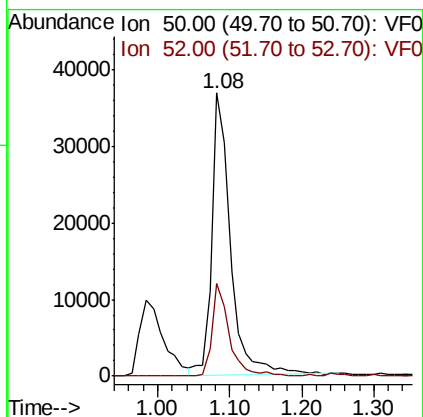
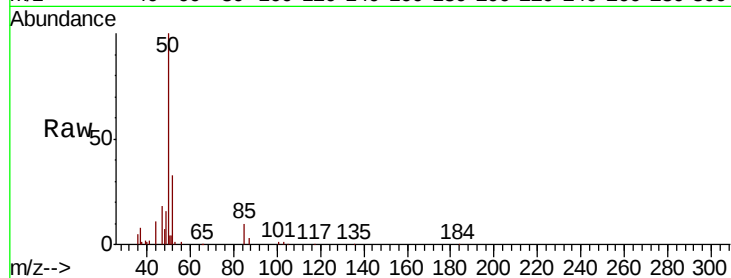
52 32.6 25.8 38.8

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#4

Vinyl Chloride

Concen: 57.28 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059883.D

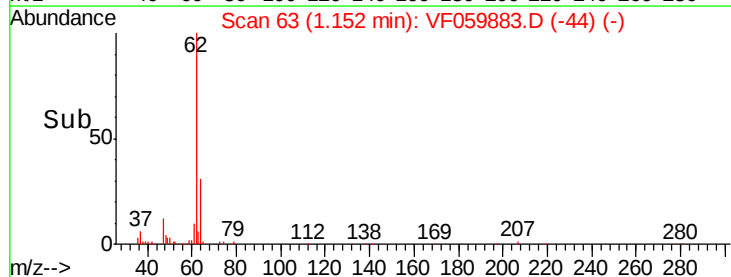
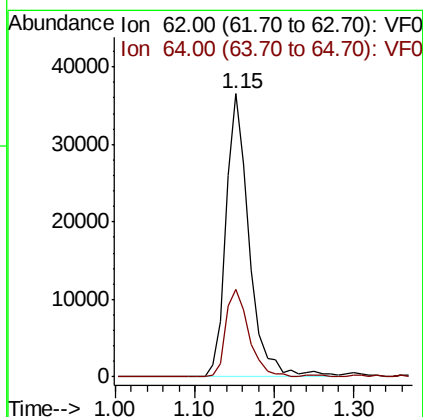
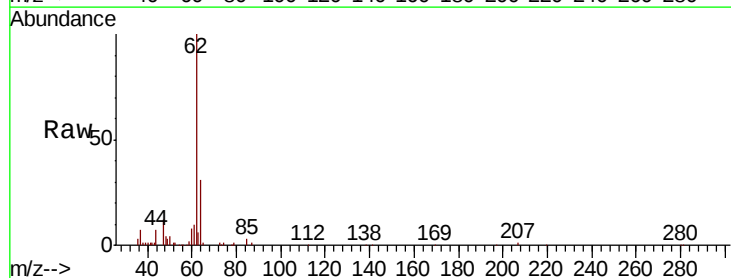
Acq: 6 Aug 2018 18:17

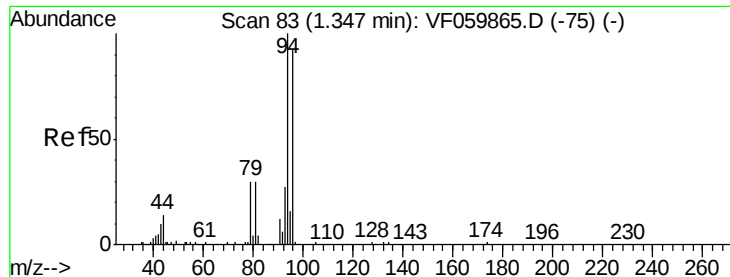
Tgt Ion: 62 Resp: 74967

Ion Ratio Lower Upper

62 100

64 30.9 28.5 42.7





#5

Bromomethane

Concen: 38.18 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 47169

Ion Ratio Lower Upper

94 100

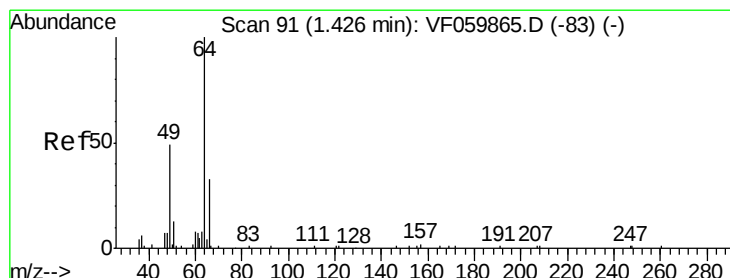
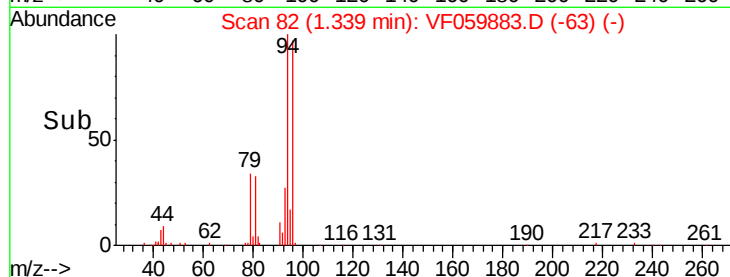
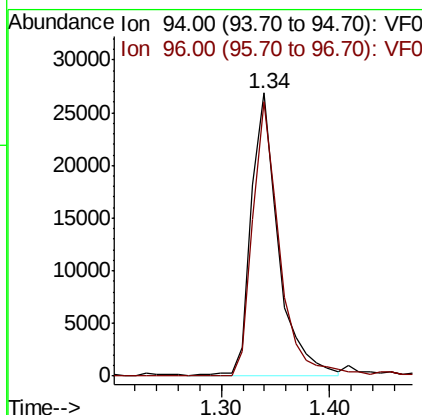
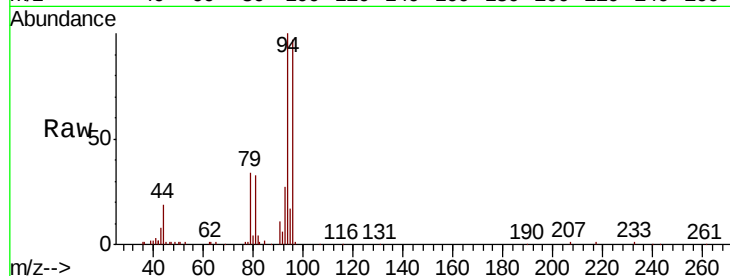
96 96.7 73.8 110.8

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#6

Chloroethane

Concen: 45.84 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059883.D

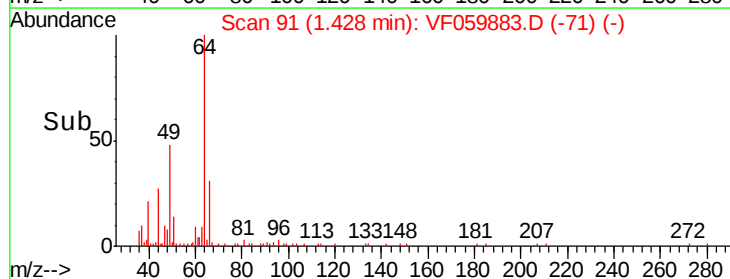
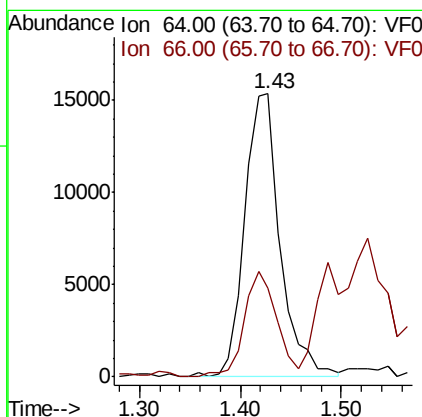
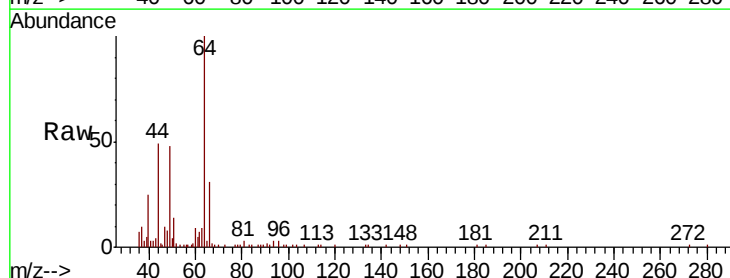
Acq: 6 Aug 2018 18:17

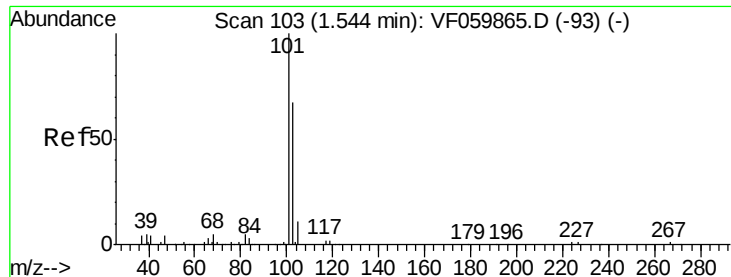
Tgt Ion: 64 Resp: 37686

Ion Ratio Lower Upper

64 100

66 31.5 26.9 40.3





#7

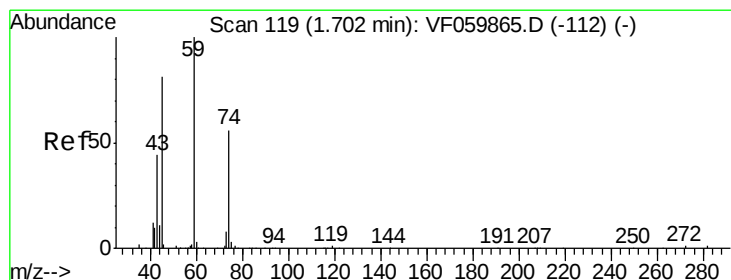
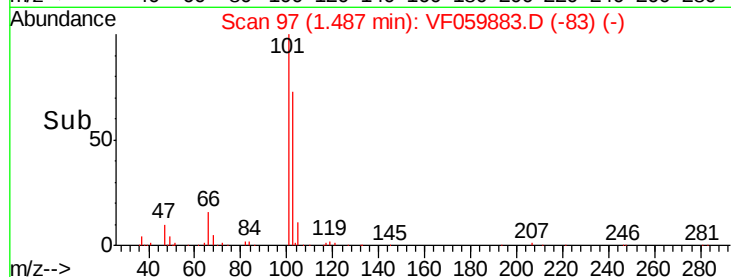
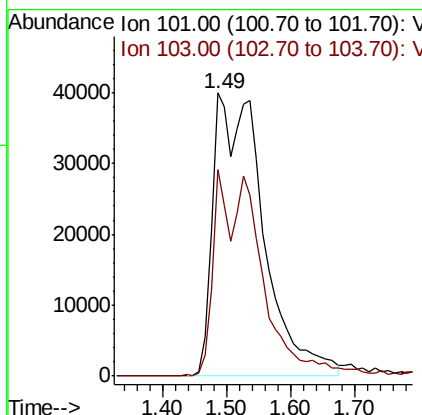
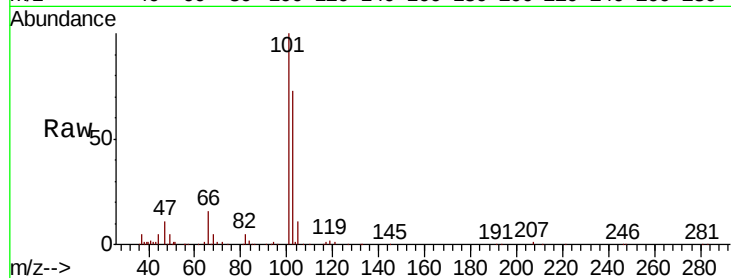
Trichlorofluoromethane
Concen: 60.00 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.06 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

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Tot Ion	Ratio	Lower	Upper
101	100		
103	73.1	53.6	80.4

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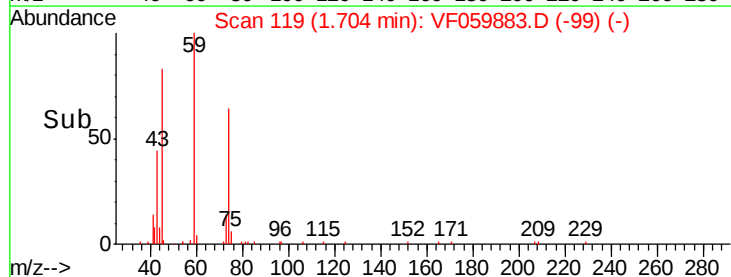
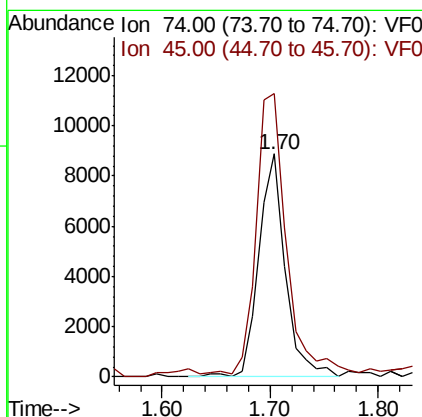
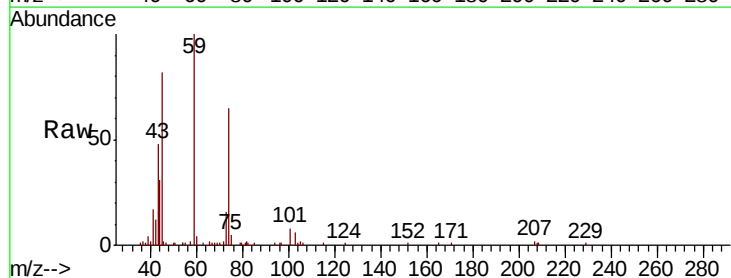
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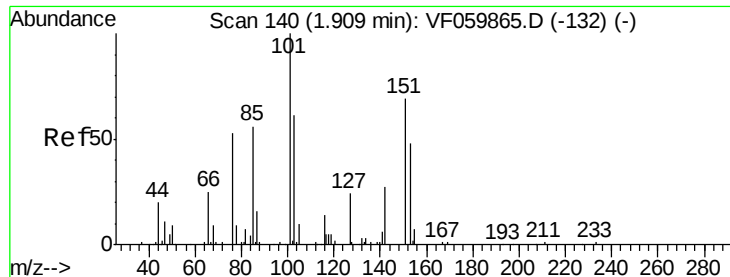


#8

Diethyl Ether
Concen: 26.71 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	127.1	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.07 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

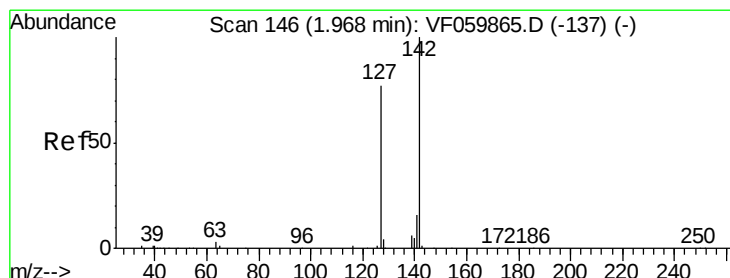
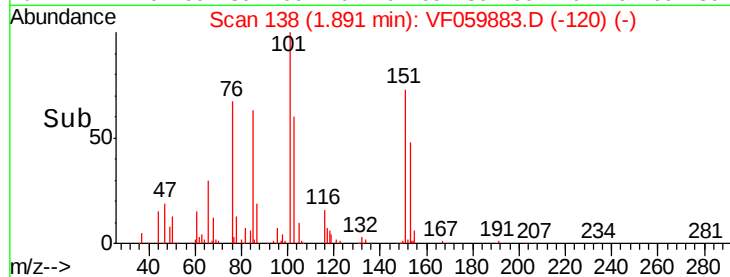
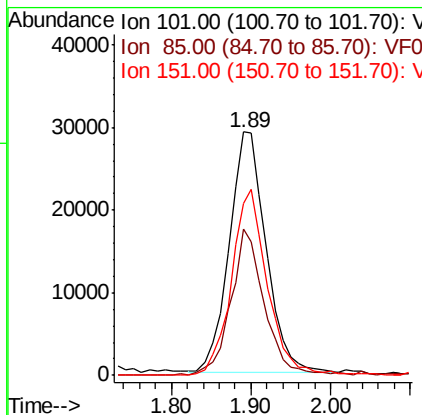
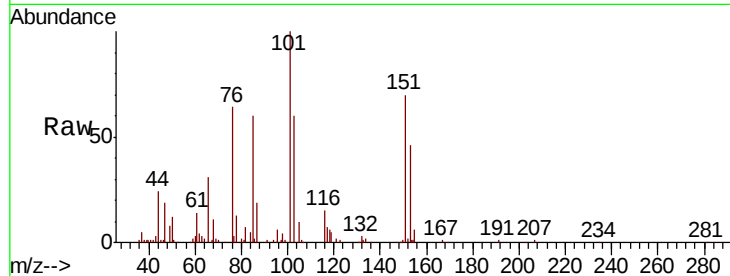
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	93050
Ion Ratio	Lower	Upper	
101	100		
85	60.2	44.5	66.7
151	70.4	53.8	80.8

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#10

Methyl Iodide

Concen: 44.50 ug/l

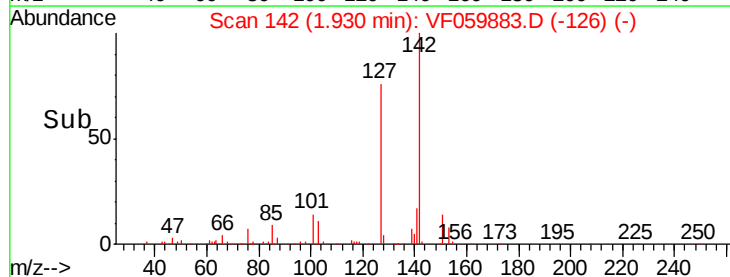
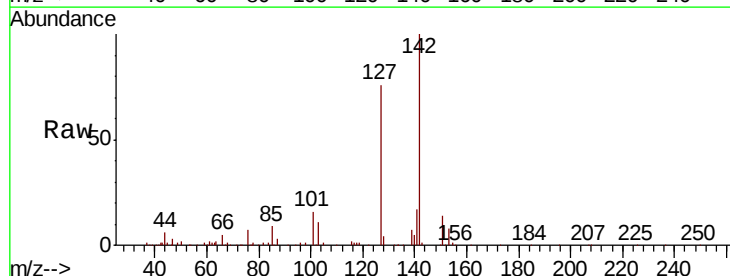
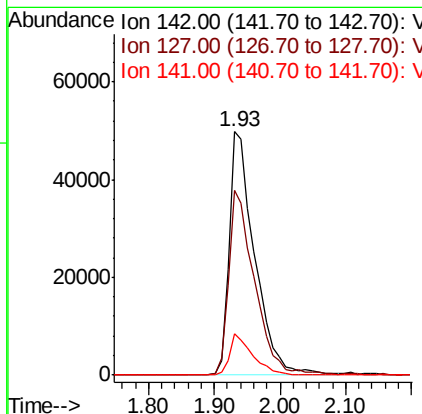
RT: 1.93 min Scan# 142

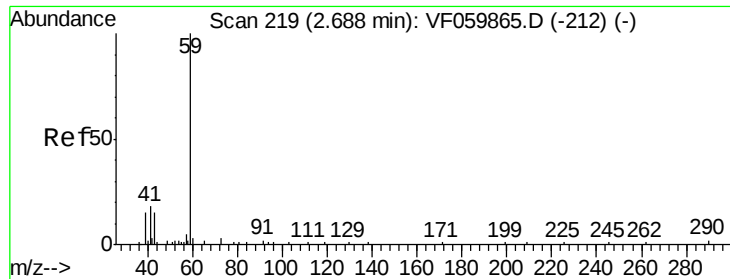
Delta R.T. -0.04 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	142	Resp:	135152
Ion Ratio	Lower	Upper	
142	100		
127	76.1	61.5	92.3
141	16.9	13.0	19.4





#11

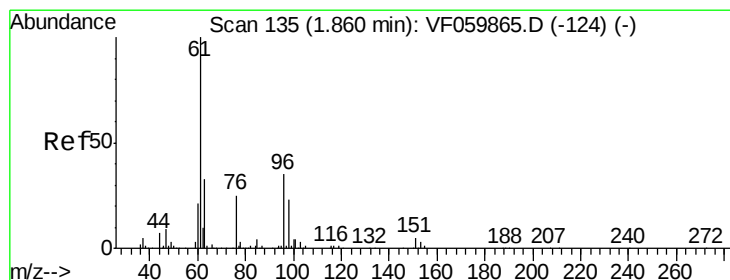
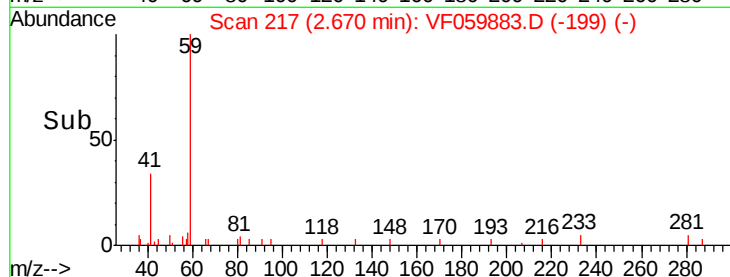
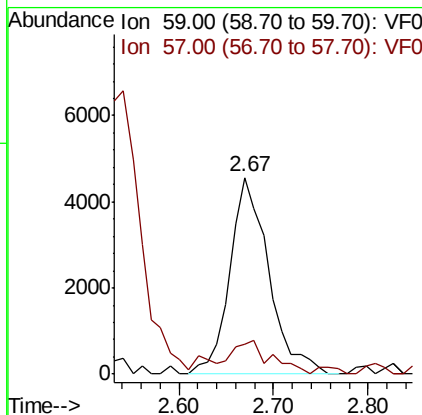
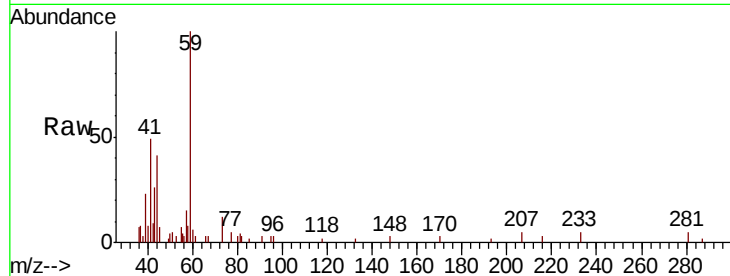
Tert butyl alcohol
Concen: 111.09 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.4	7.6	11.4#

Manual Integrations
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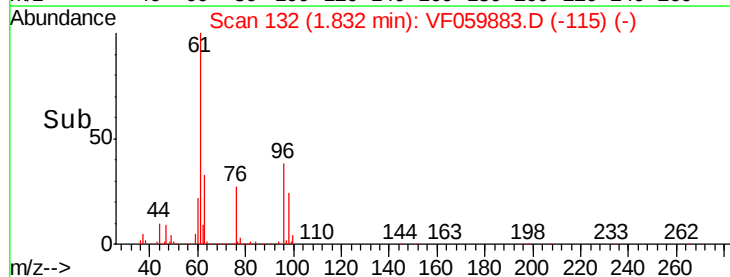
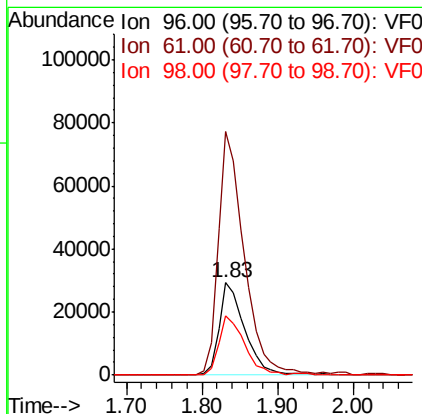
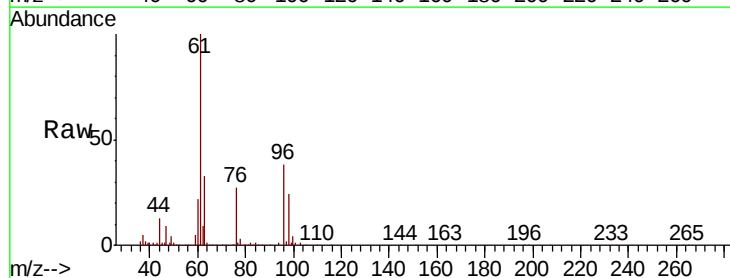
apatel
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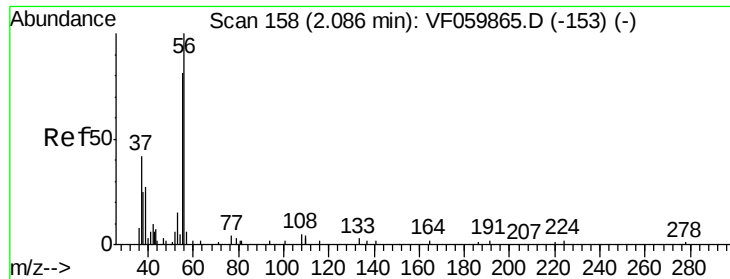


#12

1,1-Dichloroethene
Concen: 48.10 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.03 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	264.1	230.2	345.2
98	64.3	52.7	79.1





#13

Acrolein

Concen: 125.40 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 8834

Ion Ratio Lower Upper

56 100

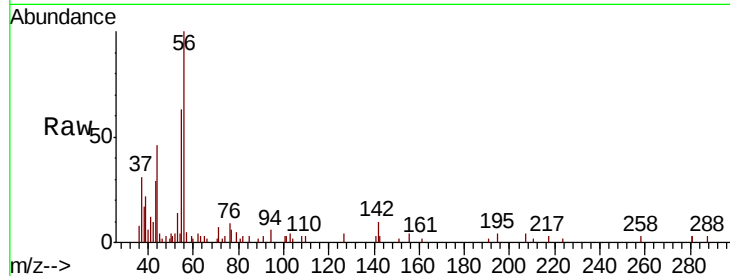
55 63.4 64.6 96.8#

Manual Integrations

APPROVED

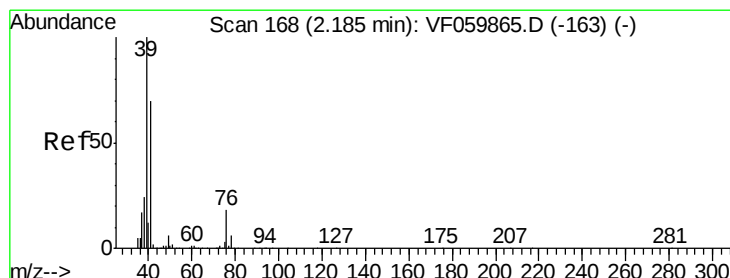
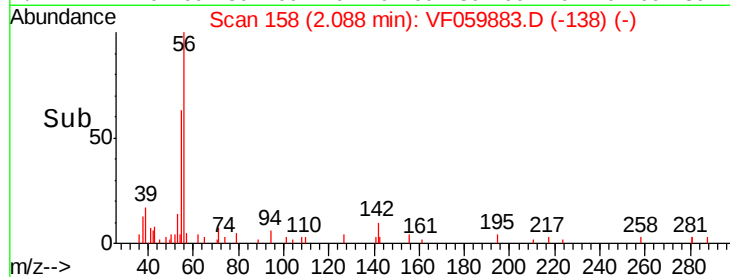
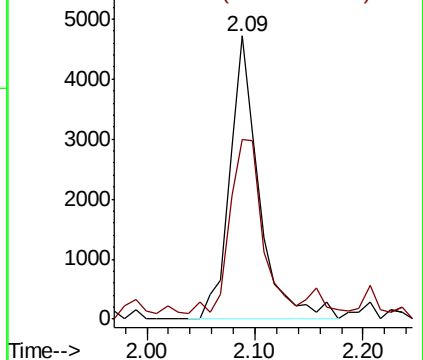
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 44.43 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

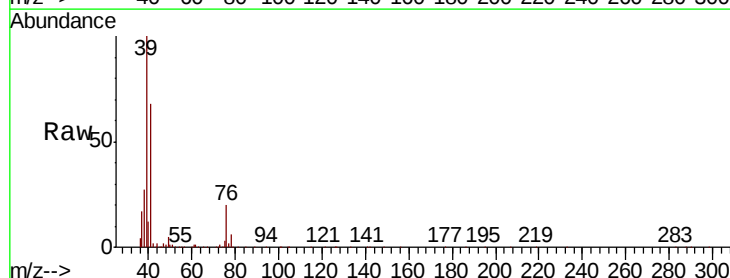
Tgt Ion: 41 Resp: 106951

Ion Ratio Lower Upper

41 100

39 146.9 114.6 171.8

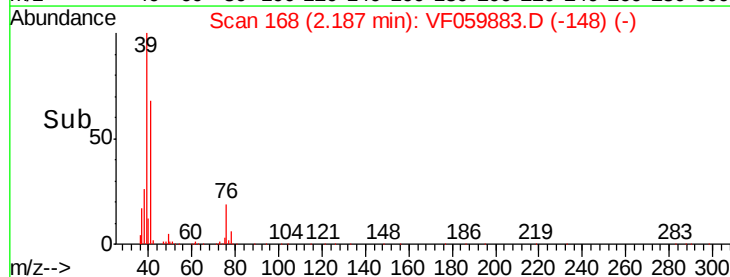
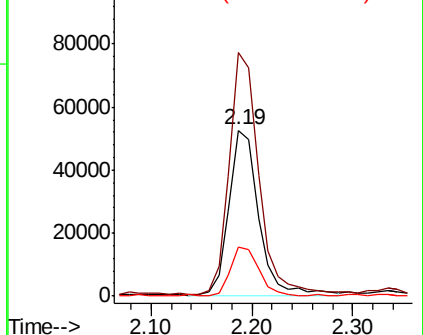
76 29.4 21.0 31.4

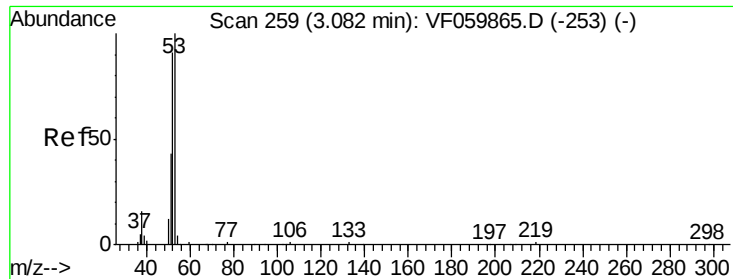


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 100.14 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

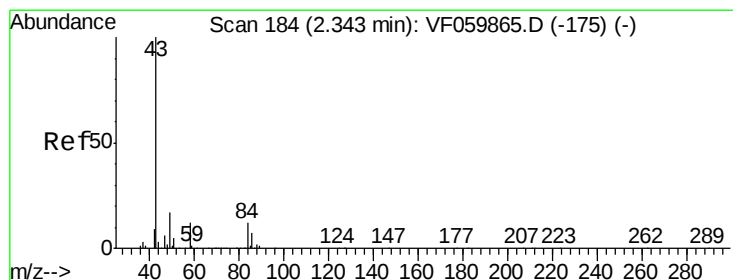
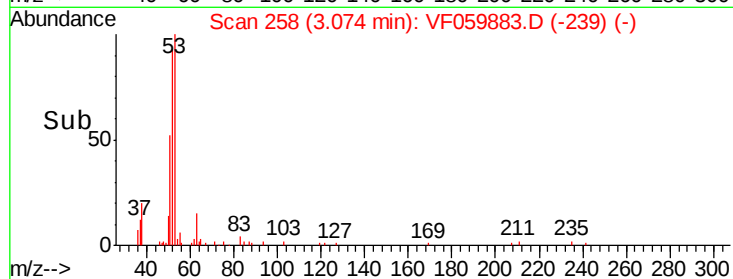
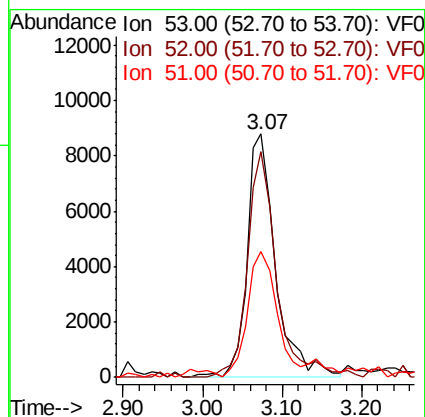
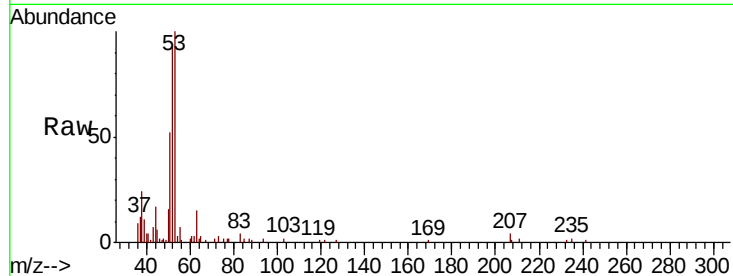
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	21570
Ion	Ratio	Lower	Upper
53	100		
52	92.5	72.9	109.3
51	51.7	34.5	51.7

Manual Integrations
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#16

Acetone

Concen: 137.34 ug/l

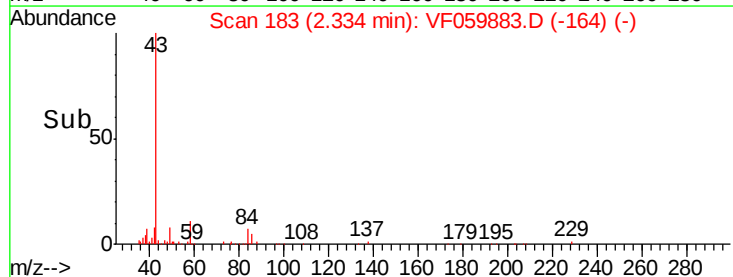
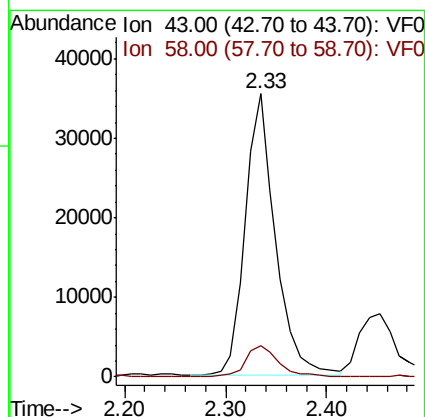
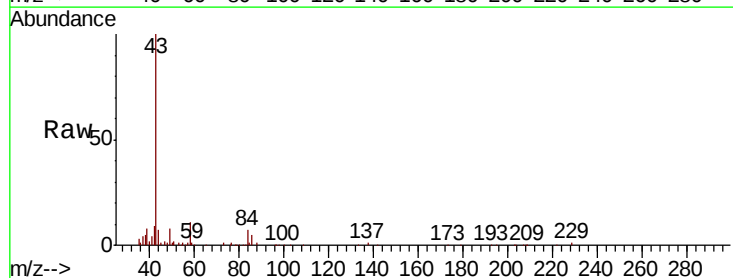
RT: 2.33 min Scan# 183

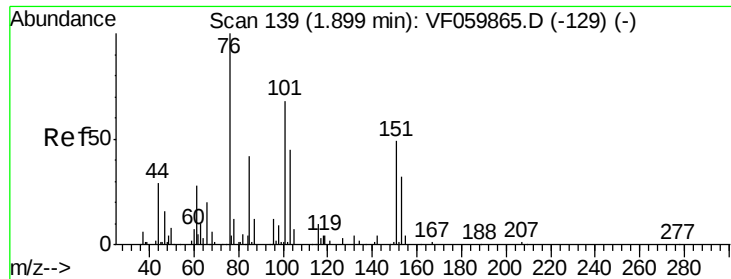
Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	43	Resp:	73887
Ion	Ratio	Lower	Upper
43	100		
58	11.2	9.4	14.0





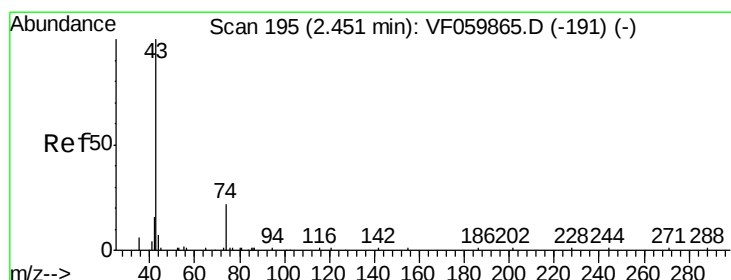
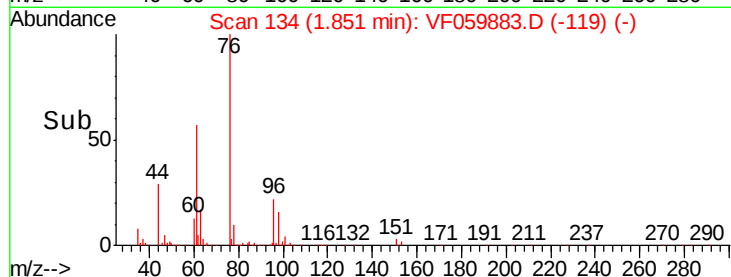
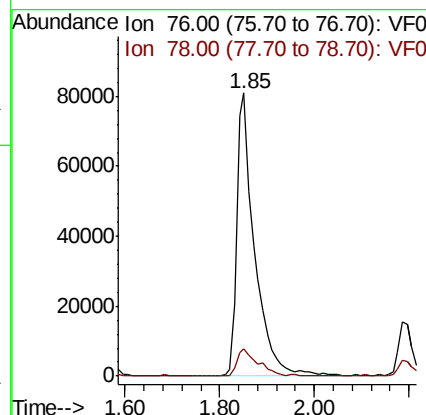
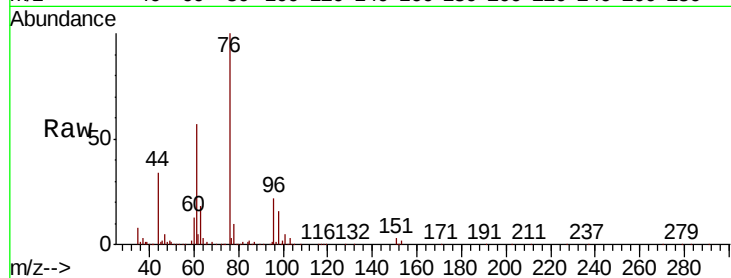
#17
Carbon Disulfide
Concen: 54.63 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.05 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	9.3	13.9

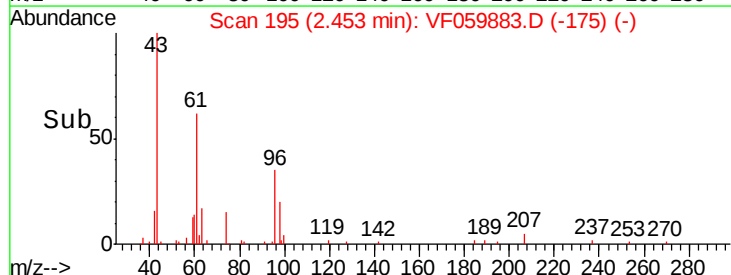
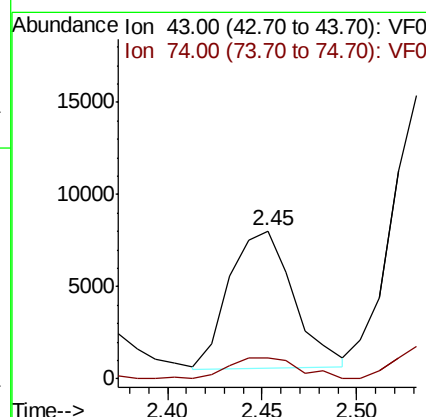
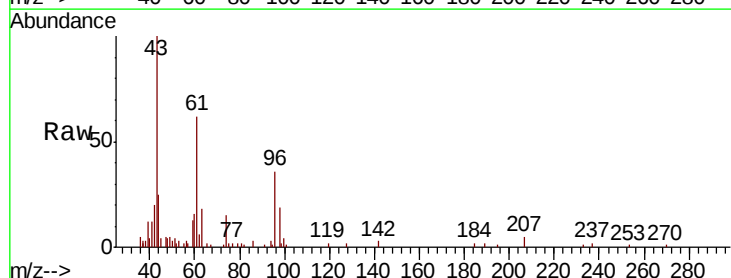
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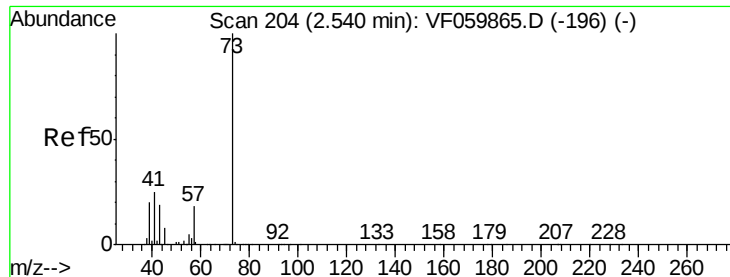
apatel
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#18
Methyl Acetate
Concen: 19.40 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.6	16.3	24.5#





#19

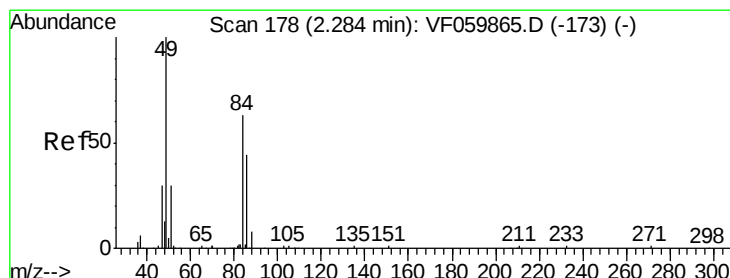
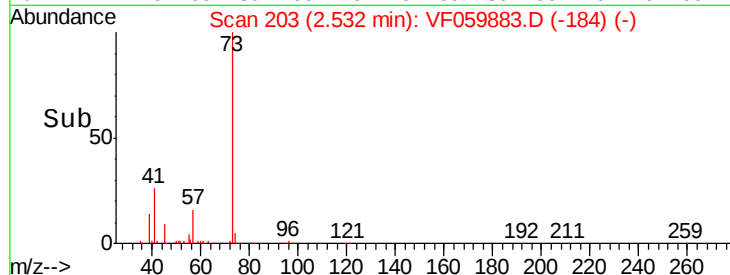
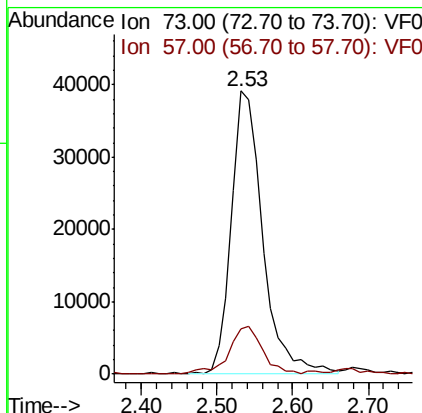
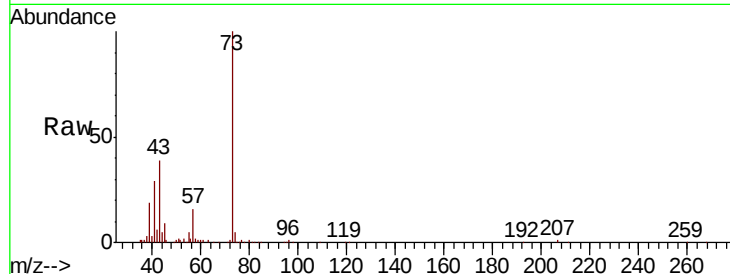
Methyl tert-butyl Ether
 Concen: 27.55 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.2	14.3	21.5

Manual Integrations
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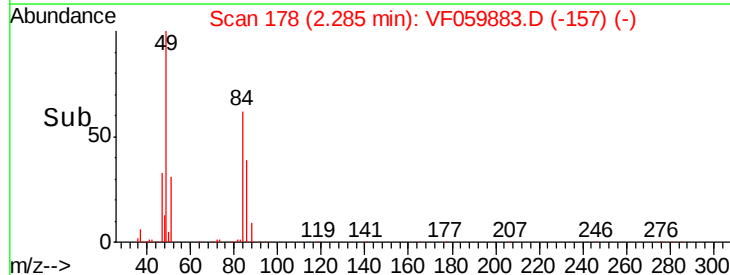
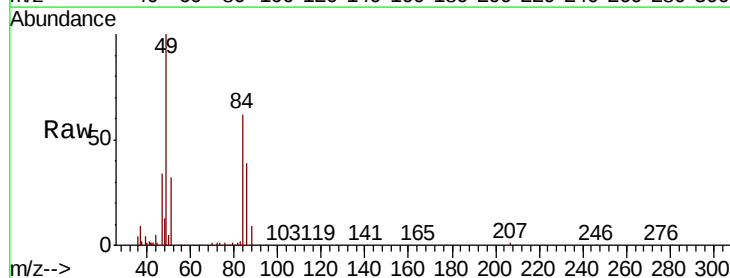
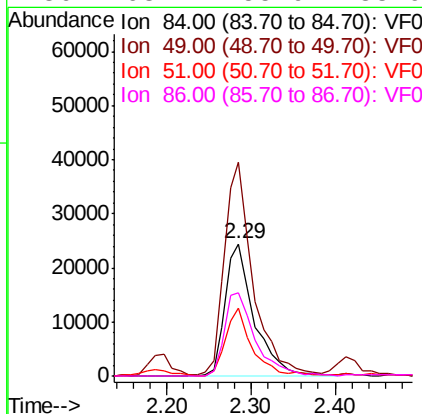
apatel
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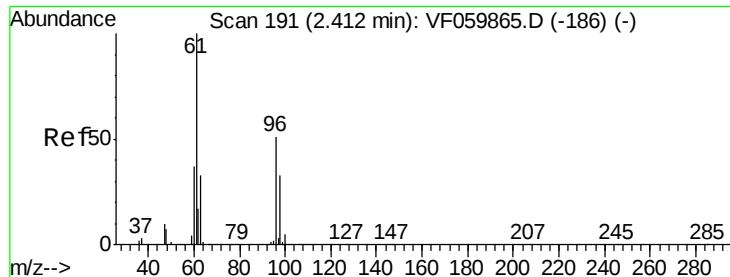


#20

Methylene Chloride
 Concen: 42.84 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	161.8	128.7	193.1
51	51.2	39.3	58.9
86	63.2	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 45.75 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

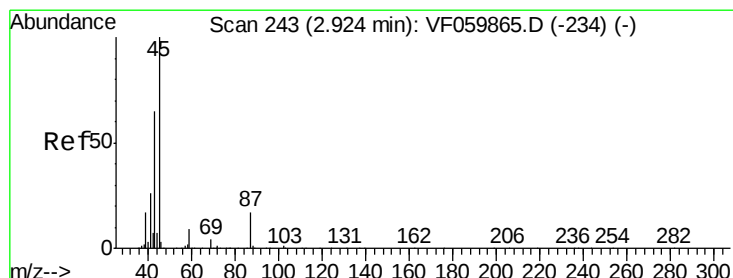
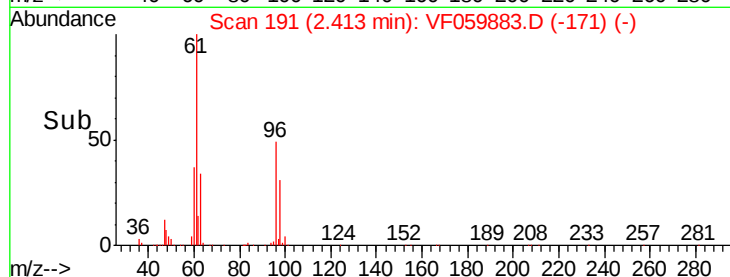
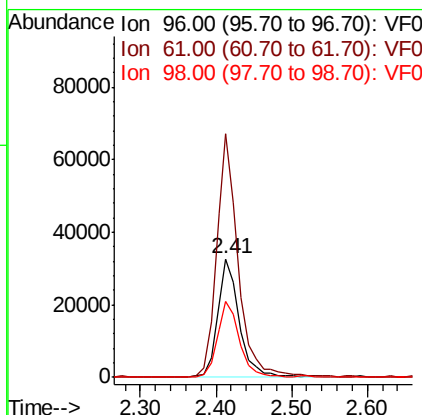
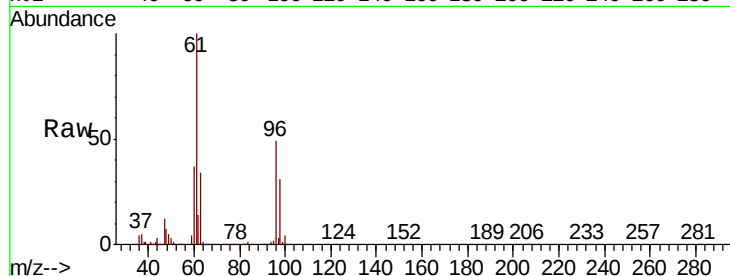
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	65616
Ion	Ratio	Lower	Upper
96	100		
61	205.4	158.2	237.4
98	64.1	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 33.87 ug/l

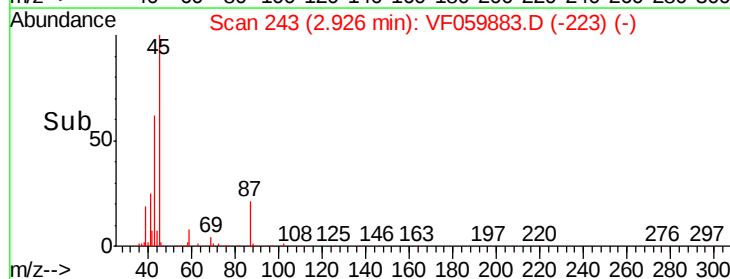
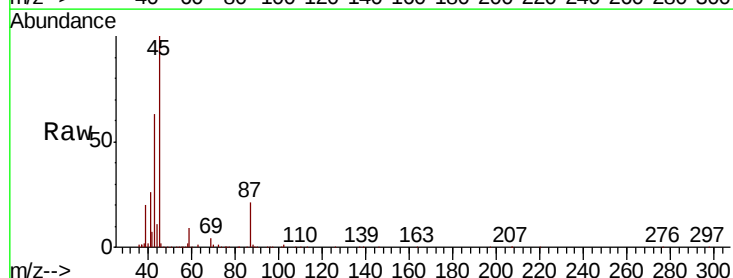
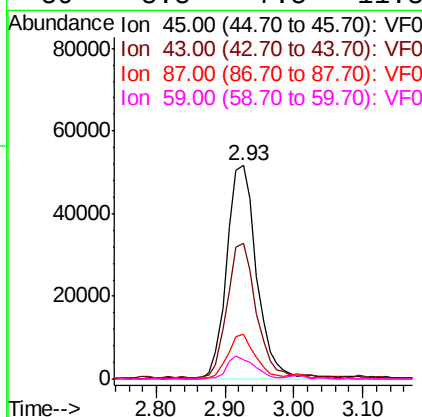
RT: 2.93 min Scan# 243

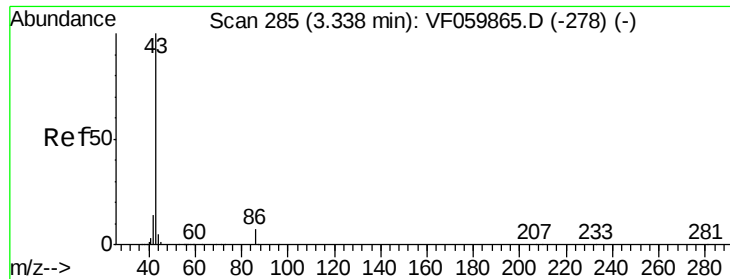
Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	45	Resp:	156853
Ion	Ratio	Lower	Upper
45	100		
43	63.3	52.1	78.1
87	21.2	13.8	20.8
59	8.8	7.5	11.3





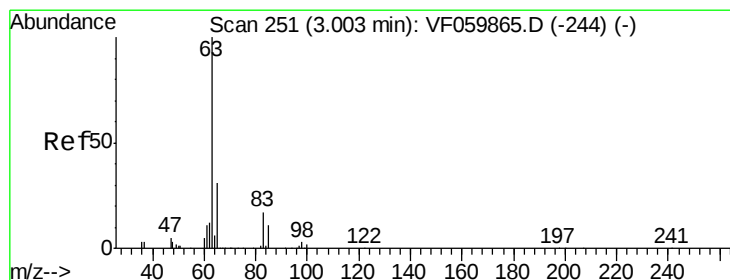
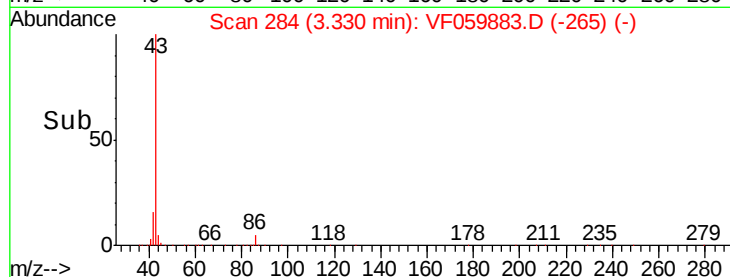
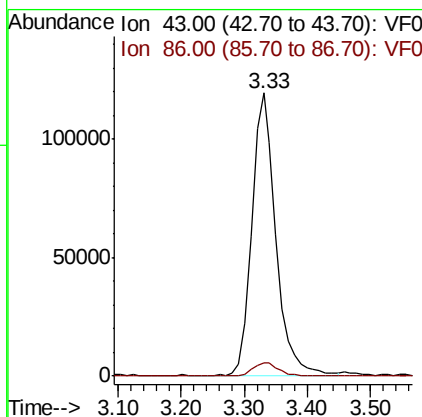
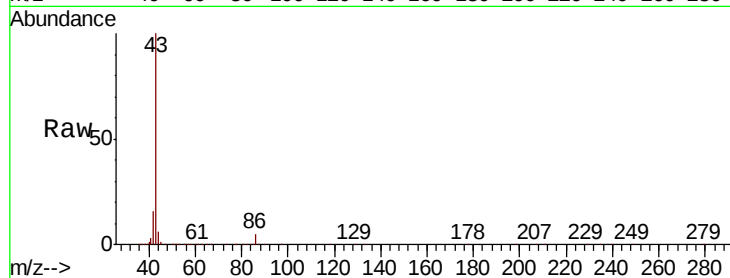
#23
 Vinyl Acetate
 Concen: 142.91 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	86	Ratio	Lower	Upper
320397	100	4.8		5.6	8.4#

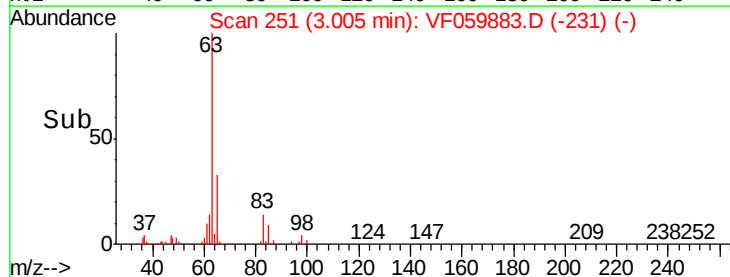
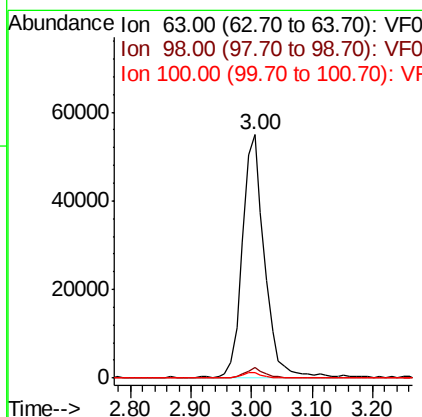
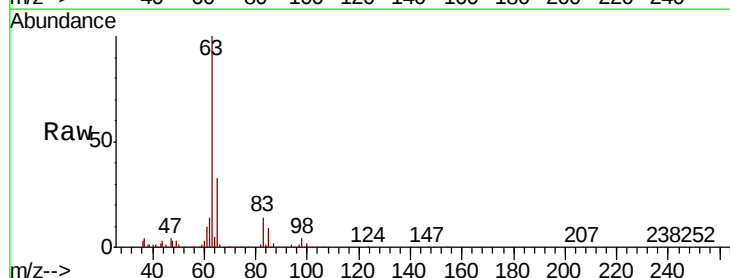
Manual Integrations
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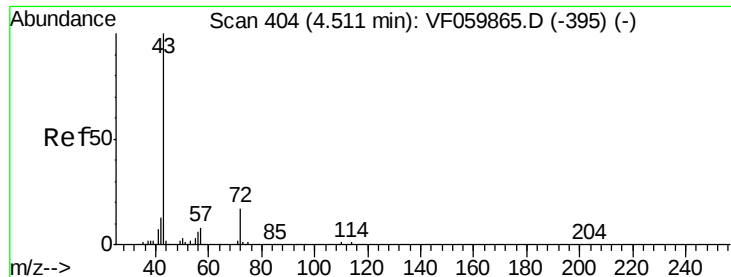
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#24
 1,1-Dichloroethane
 Concen: 41.50 ug/l
 RT: 3.00 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Tgt Ion	63	98	100	Ratio	Lower	Upper
139977	100	4.2	2.2		1.9	5.7
					1.1	3.5





#25

2-Butanone

Concen: 146.82 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 85886

Ion Ratio Lower Upper

43 100

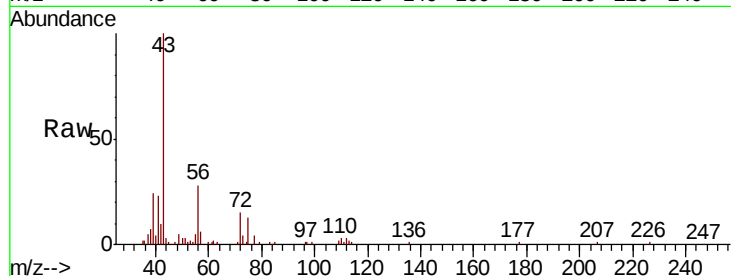
72 15.5 13.9 20.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

25000

20000

15000

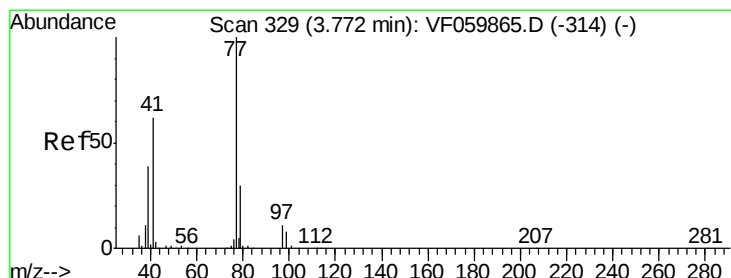
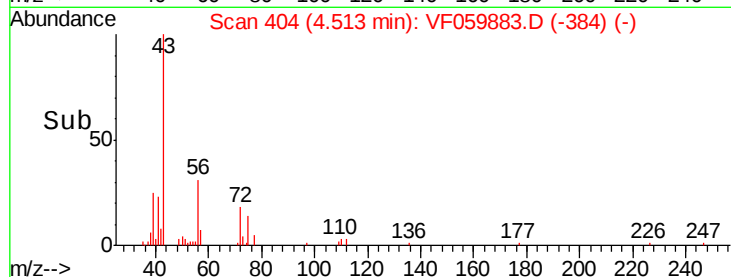
10000

5000

0

4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 73.12 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059883.D

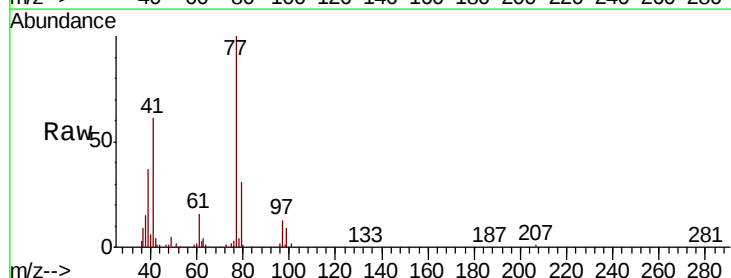
Acq: 6 Aug 2018 18:17

Tgt Ion: 77 Resp: 143559

Ion Ratio Lower Upper

77 100

97 13.1 6.8 20.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

50000

40000

30000

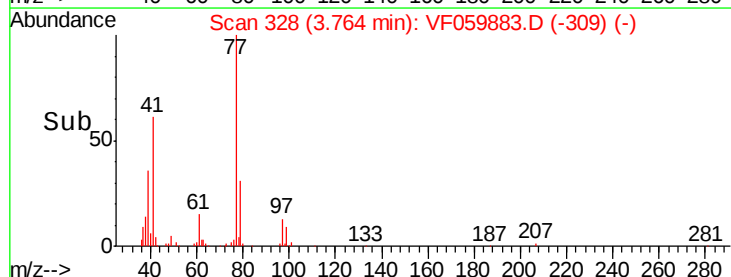
20000

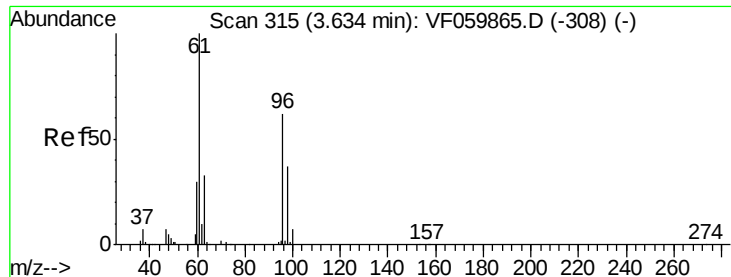
10000

0

3.60 3.70 3.80 3.90 4.00

Time-->





#27

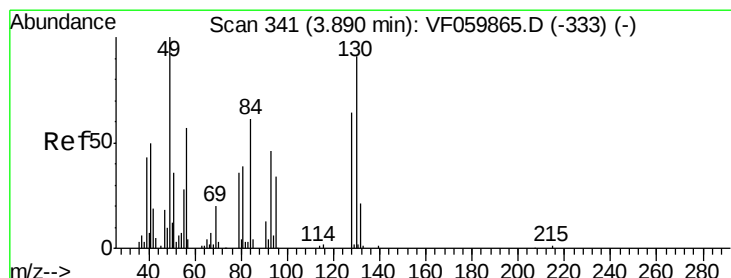
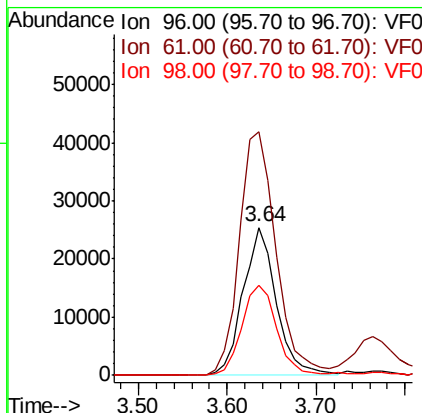
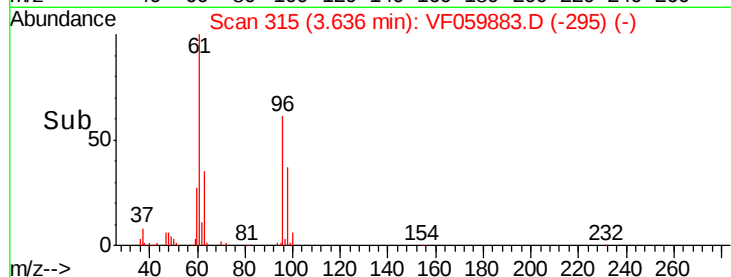
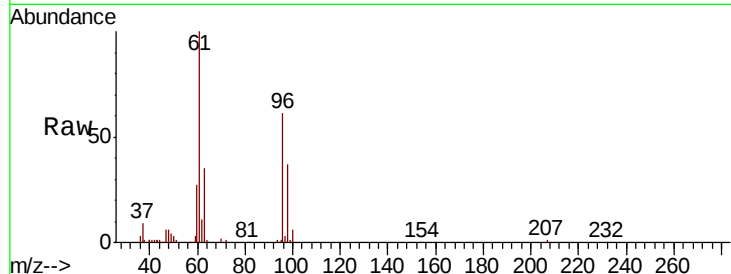
cis-1,2-Dichloroethene
Concen: 40.98 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.6	0.0	320.8
98	61.0	0.0	117.6

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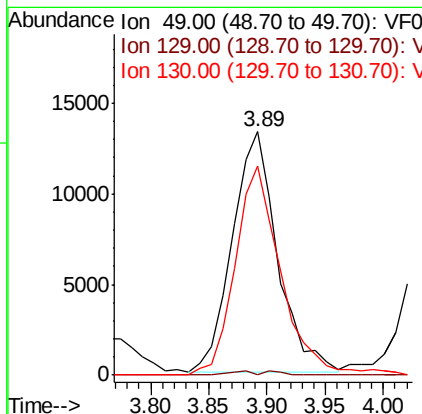
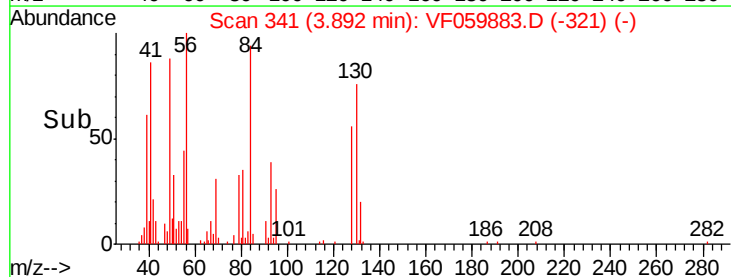
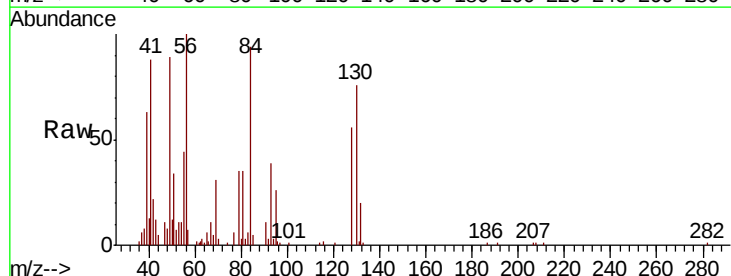
apatel
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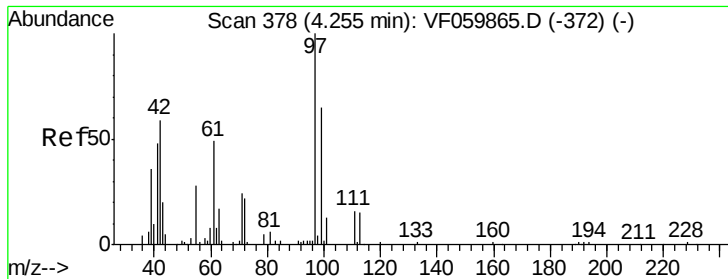


#28

Bromochloromethane
Concen: 29.65 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	85.8	73.8	110.8





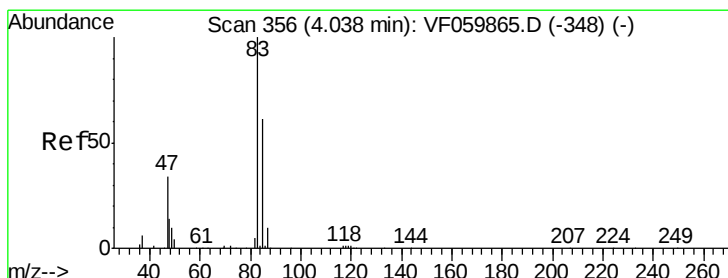
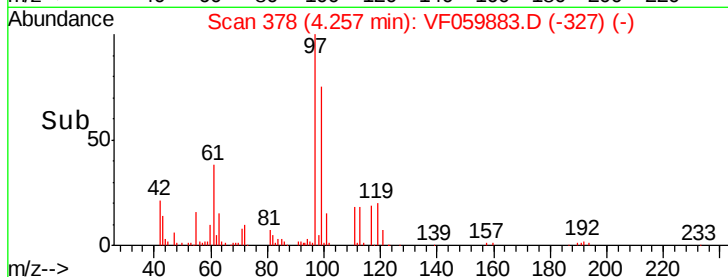
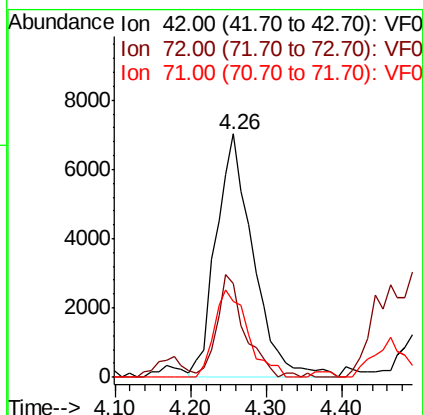
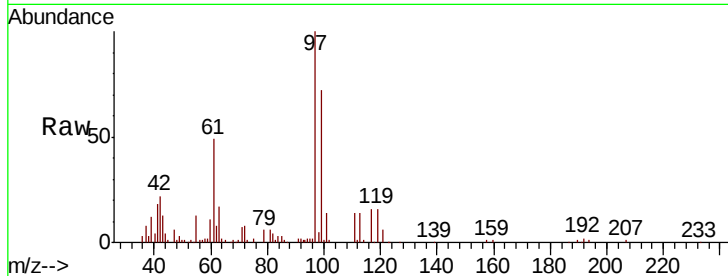
#29
Tetrahydrofuran
Concen: 111.15 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.9	29.3	43.9
71	32.7	30.0	45.0

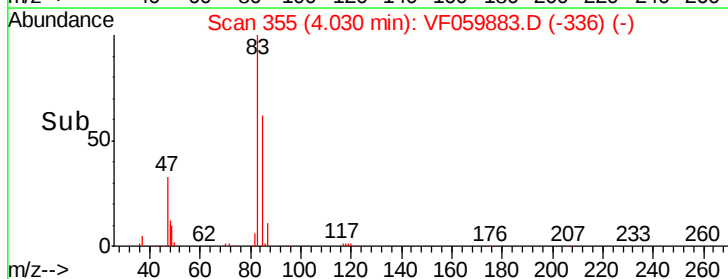
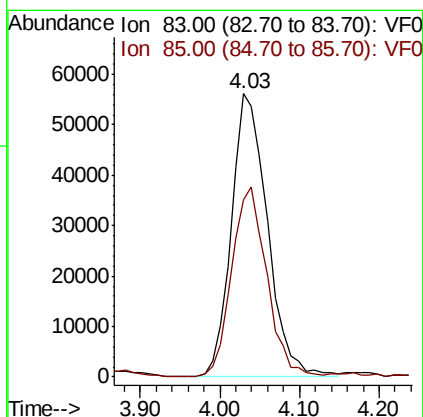
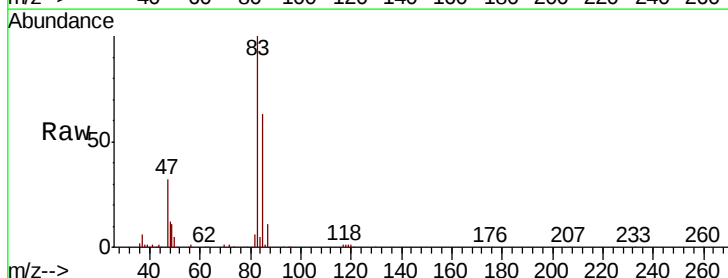
Manual Integrations
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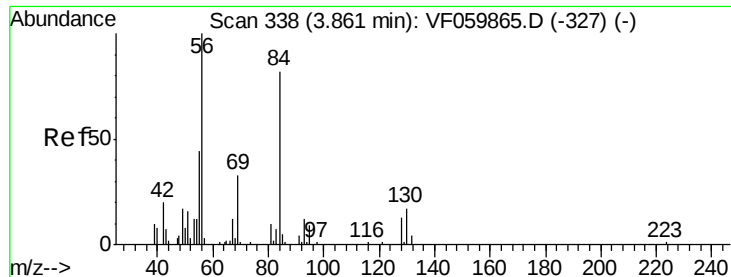
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#30
Chloroform
Concen: 38.82 ug/l
RT: 4.03 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.3	73.9





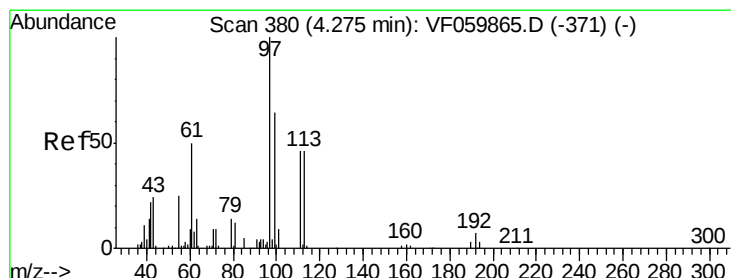
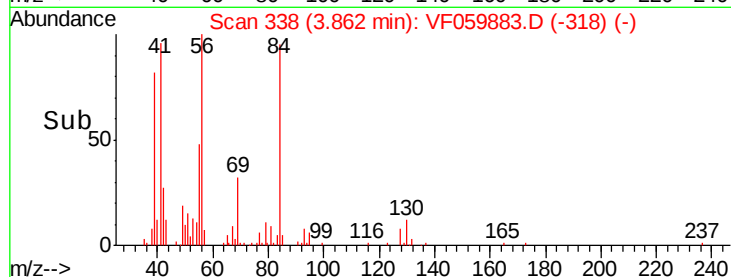
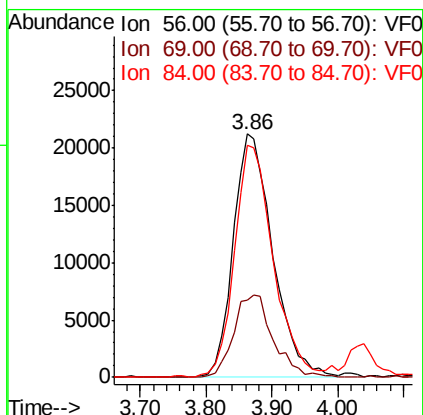
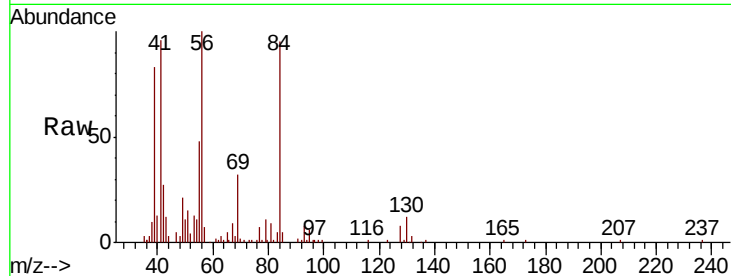
#31
Cyclohexane
Concen: 53.61 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.7	40.1
84	95.4	65.9	98.9

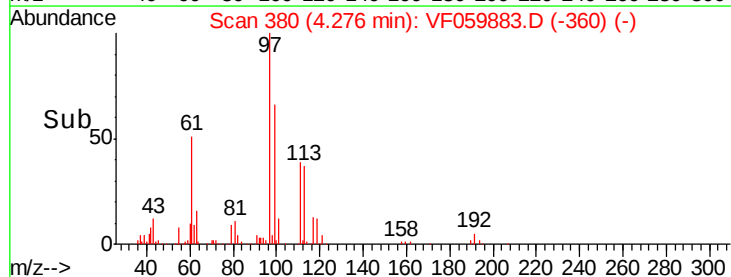
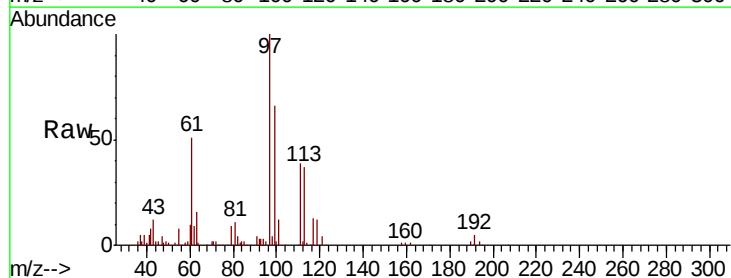
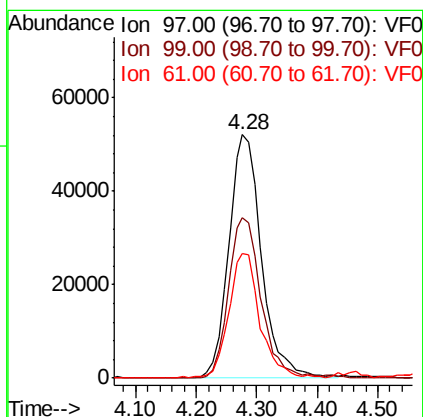
Manual Integrations
APPROVED

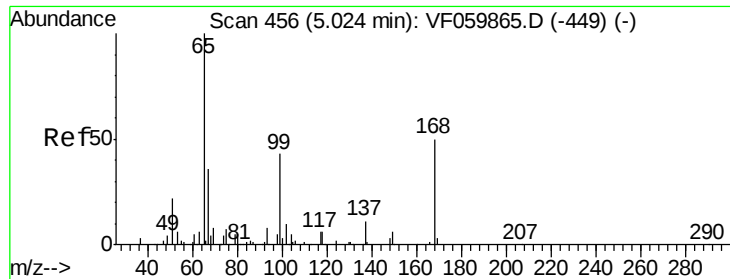
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#32
1,1,1-Trichloroethane
Concen: 53.55 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.4	77.2
61	51.2	40.8	61.2





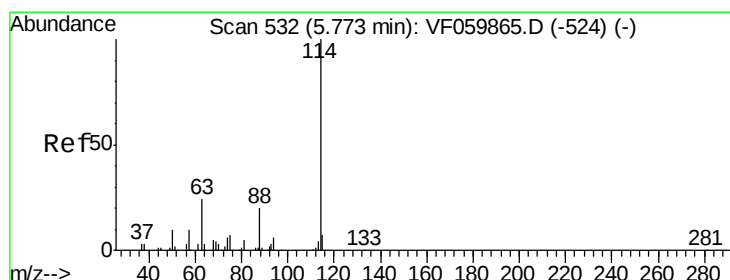
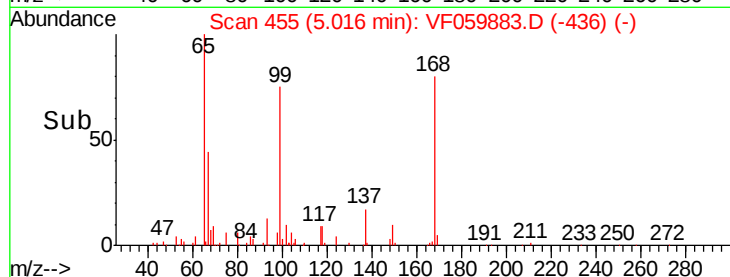
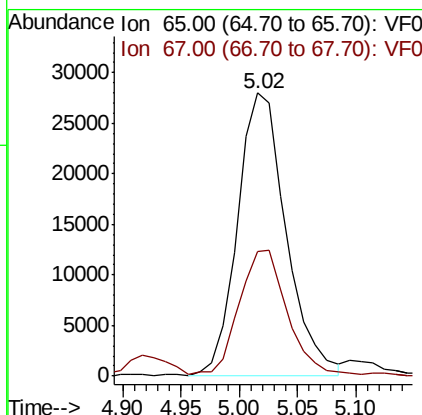
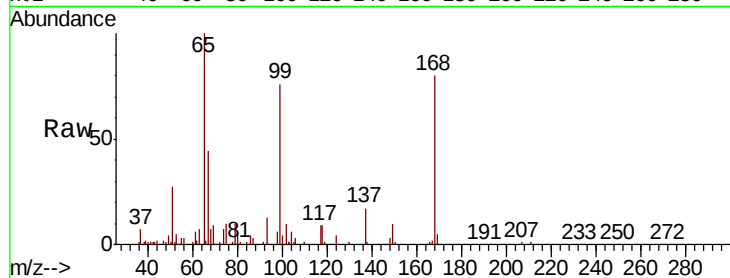
#33
 1,2-Dichloroethane-d4
 Concen: 27.78 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	80963		
67	43.8	0.0	77.2	

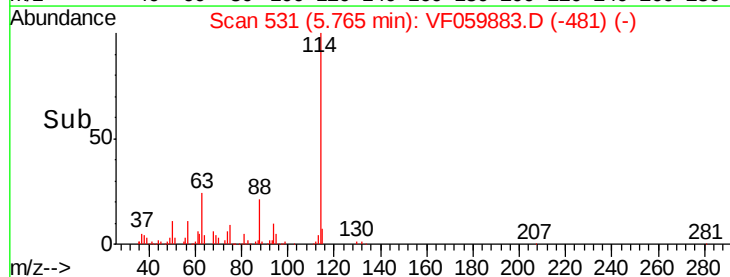
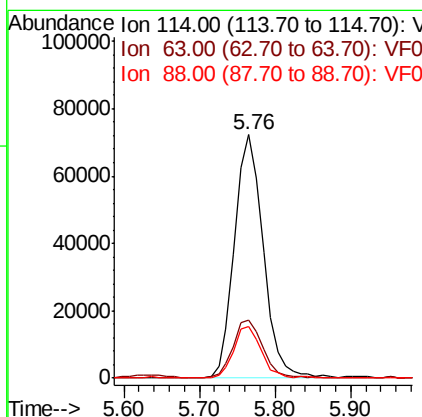
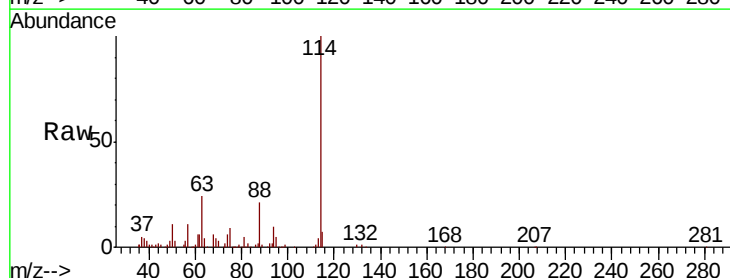
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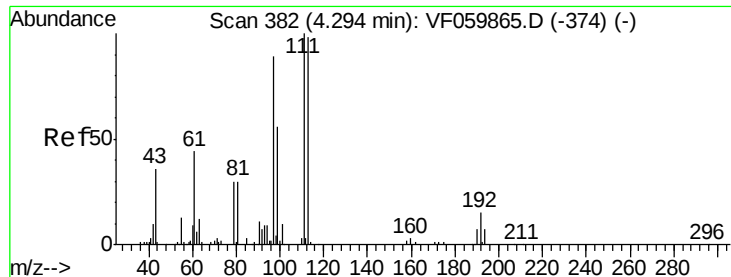
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	191332		
63	24.0	0.0	48.0	
88	21.1	0.0	39.4	





#35

Dibromofluoromethane

Concen: 42.92 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

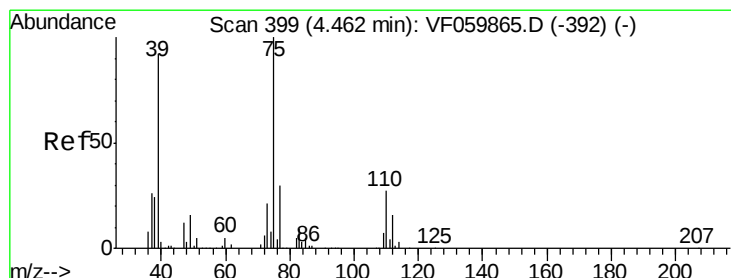
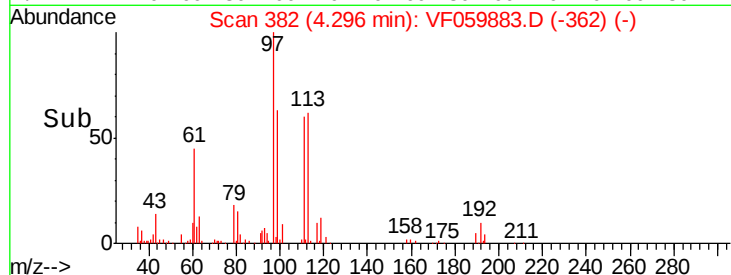
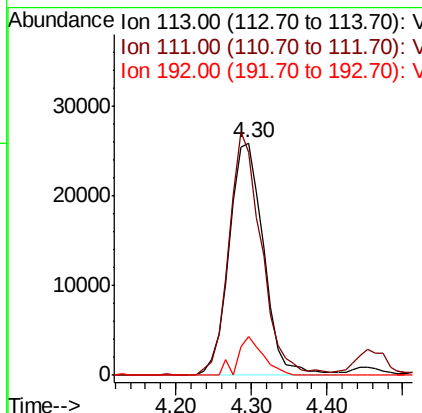
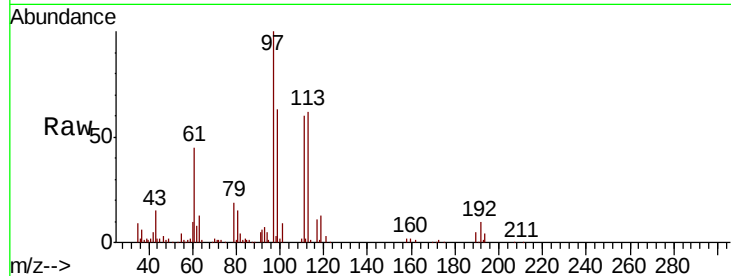
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	81702
Ion Ratio	Lower	Upper	
113	100		
111	95.9	81.8	122.8
192	16.4	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 62.15 ug/l

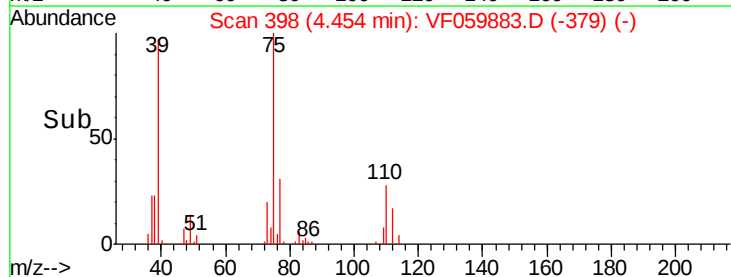
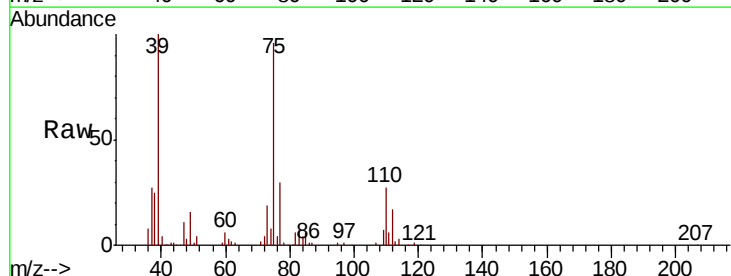
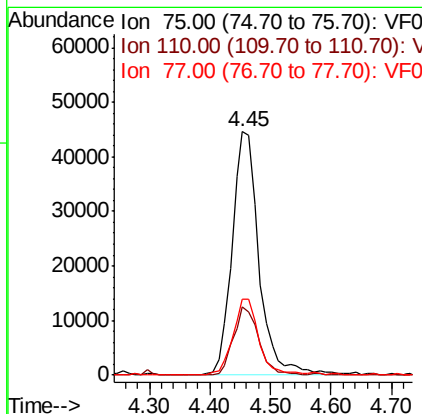
RT: 4.45 min Scan# 398

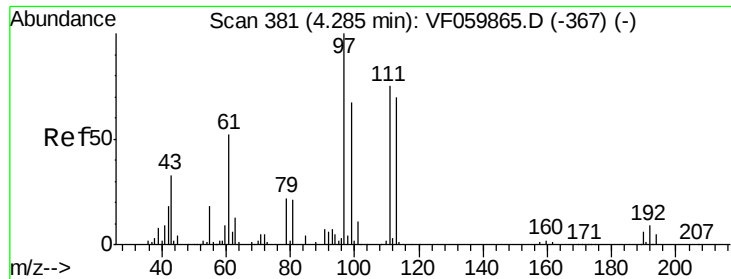
Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	75	Resp:	137542
Ion Ratio	Lower	Upper	
75	100		
110	27.9	13.6	40.7
77	31.2	23.7	35.5





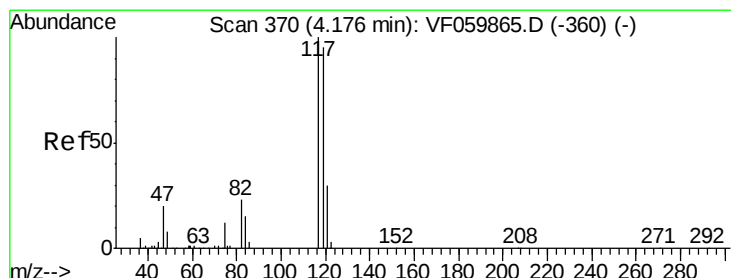
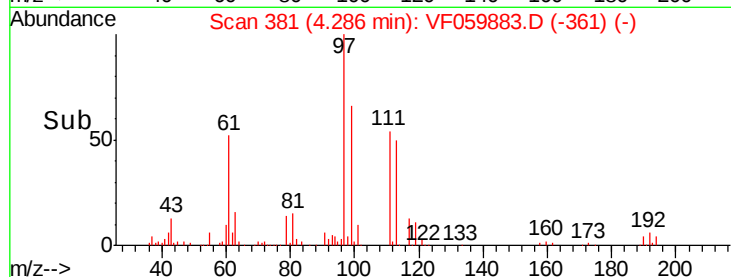
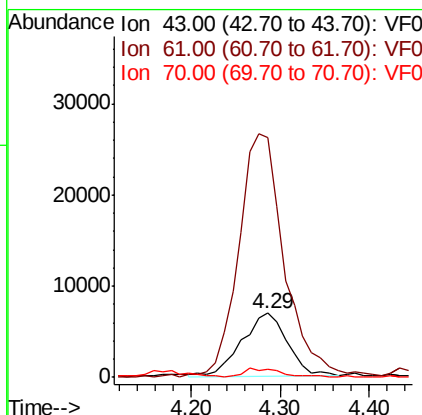
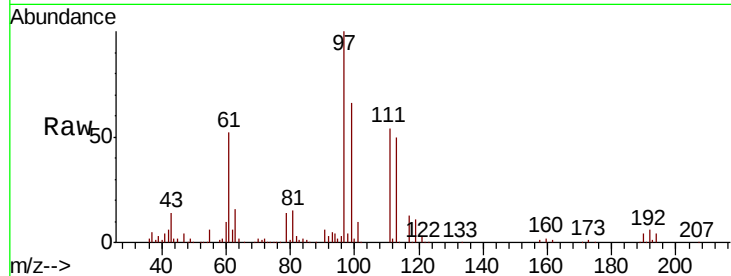
#37
Ethyl Acetate
Concen: 25.97 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	24673		
Ratio	100	373.6	13.4
Lower		123.7	7.8
Upper		185.5#	11.8#

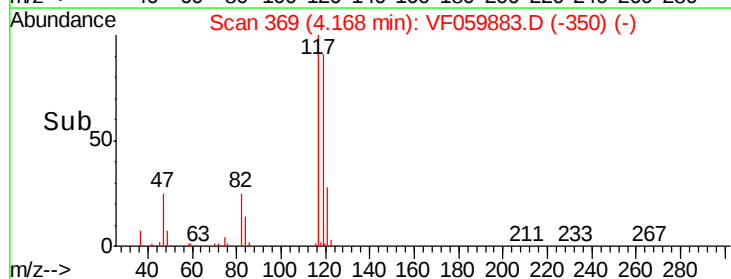
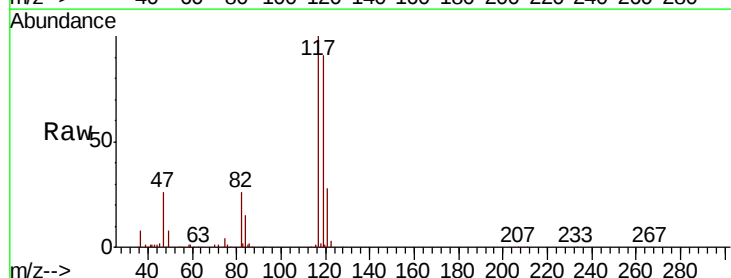
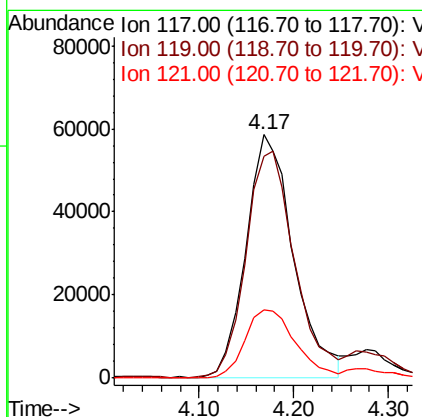
Manual Integrations
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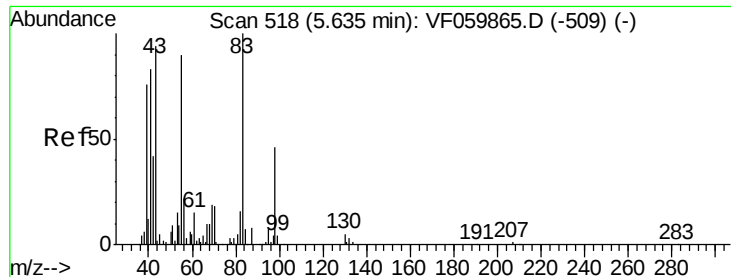
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#38
Carbon Tetrachloride
Concen: 64.75 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	117	119	121
Resp	205148		
Ratio	100	91.2	28.1
Lower		76.5	23.8
Upper		114.7	35.8





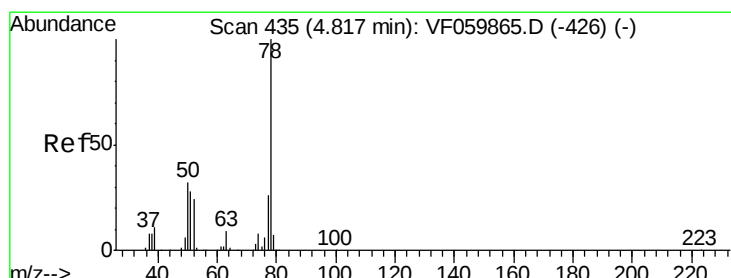
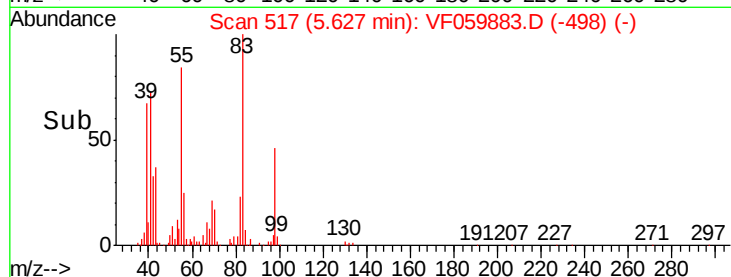
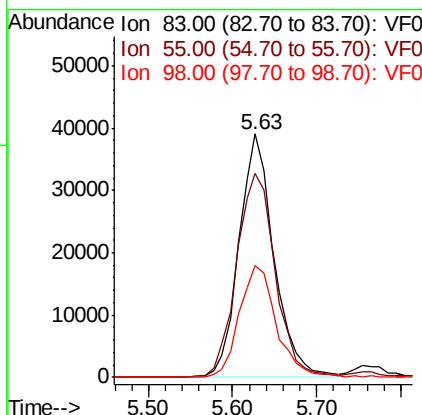
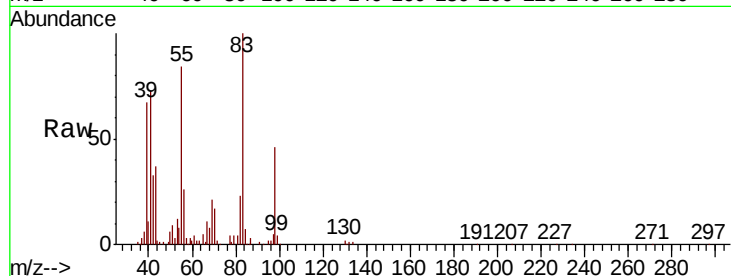
#39
Methvlcvclohexane
Concen: 68.33 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	72.0	108.0
98	45.9	36.6	54.8

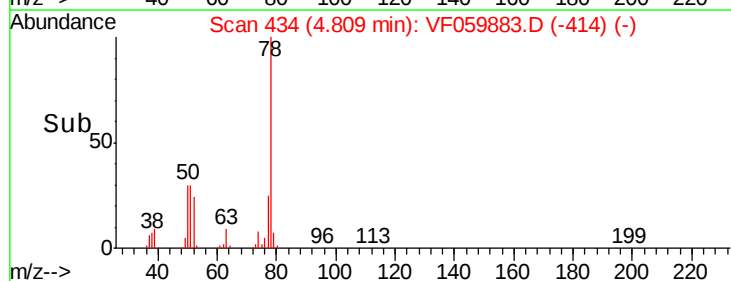
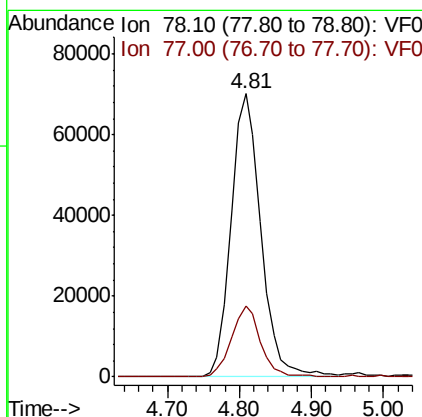
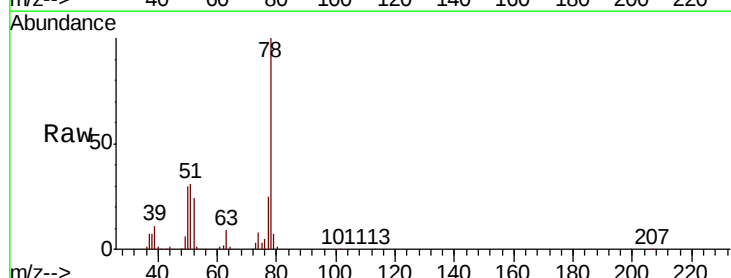
Manual Integrations
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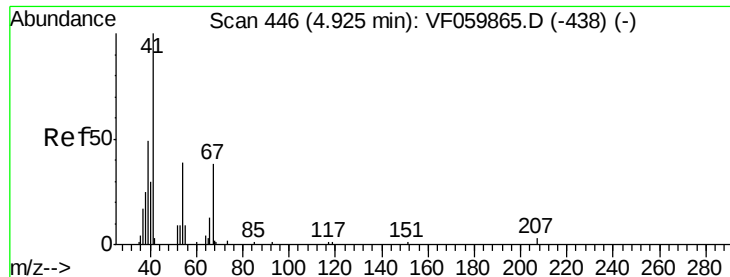
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#40
Benzene
Concen: 53.77 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.7	31.1





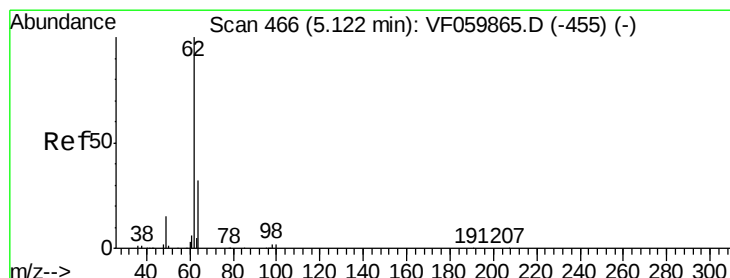
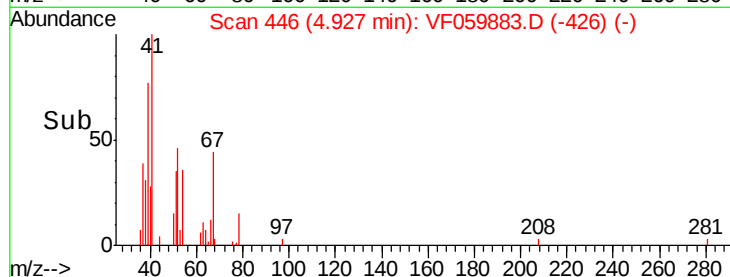
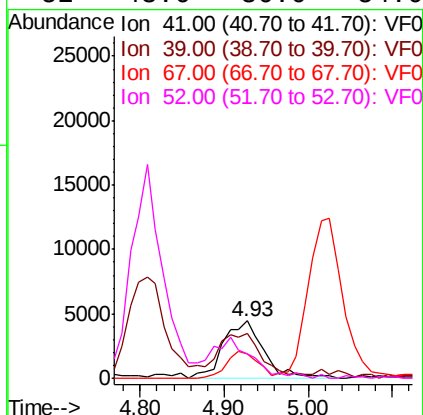
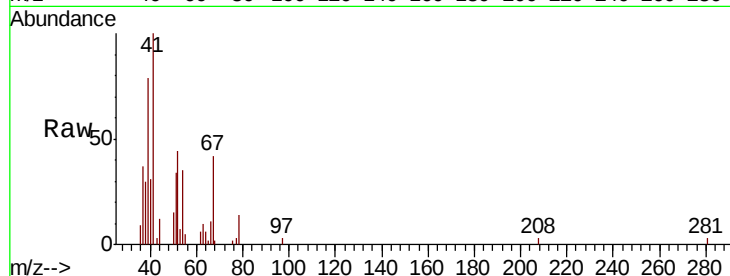
#41
Methacrylonitrile
Concen: 29.45 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.9	55.1	82.7
67	41.9	30.3	45.5
52	43.6	36.0	54.0

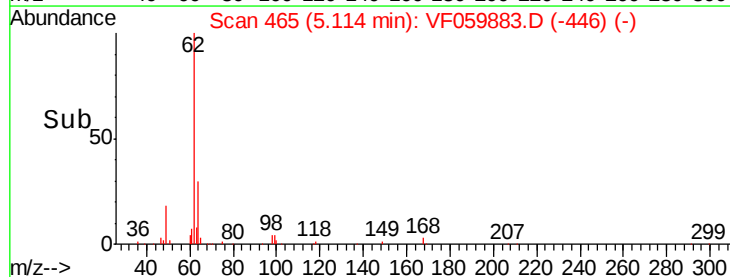
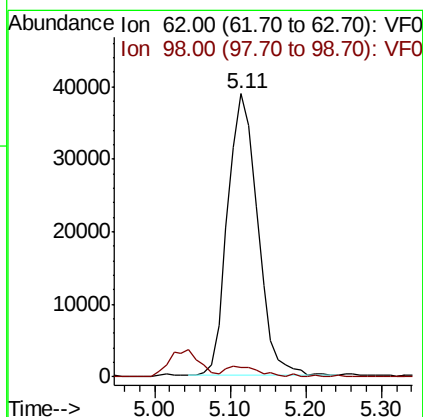
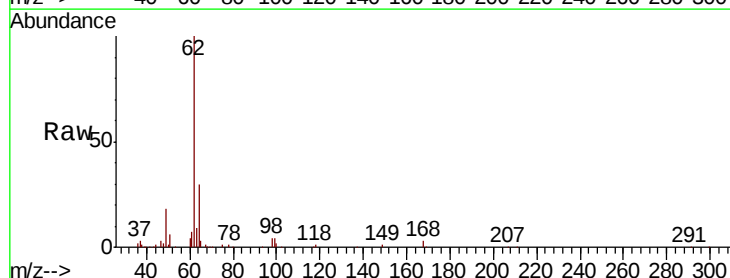
Manual Integrations
APPROVED

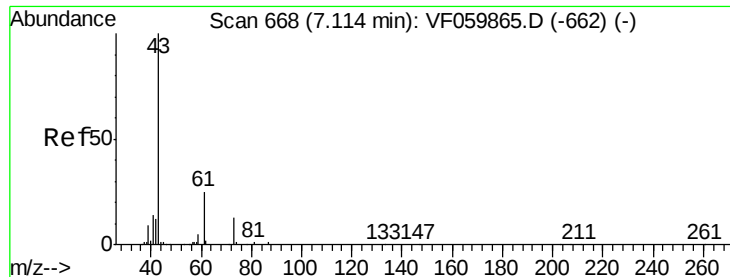
apatel
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#42
1,2-Dichloroethane
Concen: 34.94 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.6	0.0	7.6





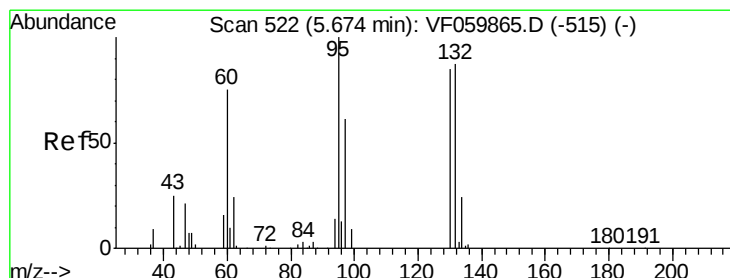
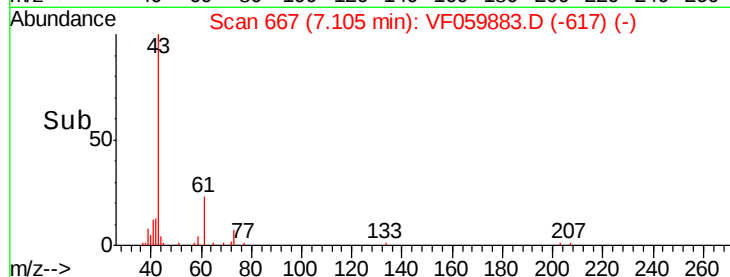
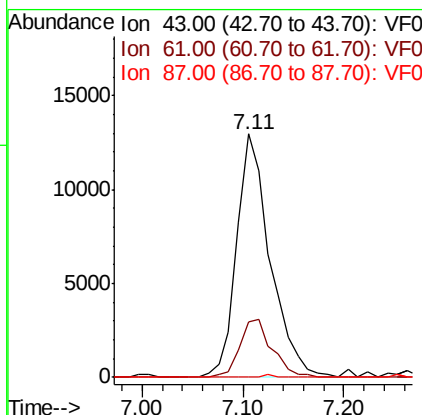
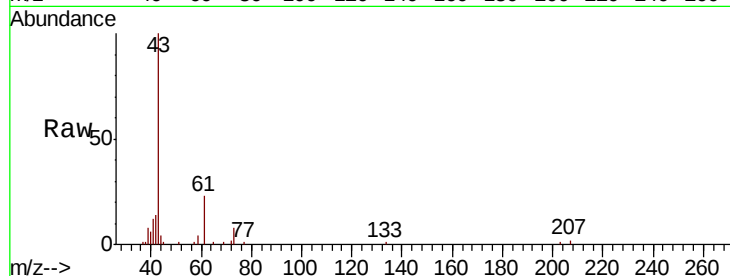
#43
Isopropyl Acetate
Concen: 30.63 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.0	20.3	30.5
87	0.0	0.7	1.1#

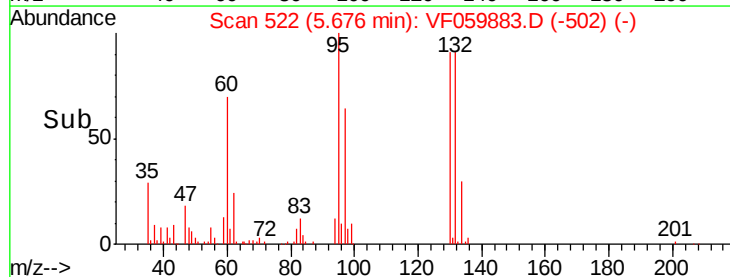
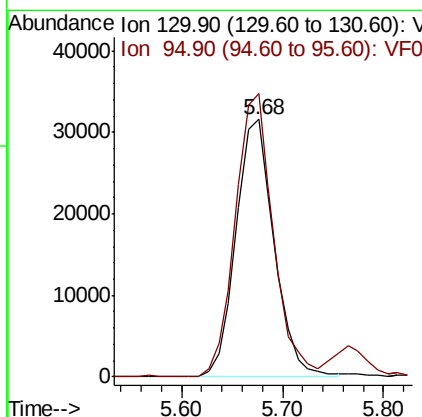
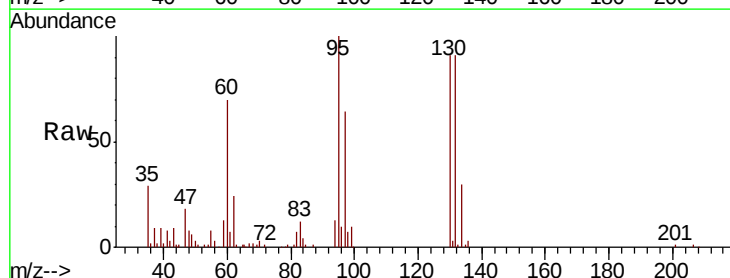
Manual Integrations
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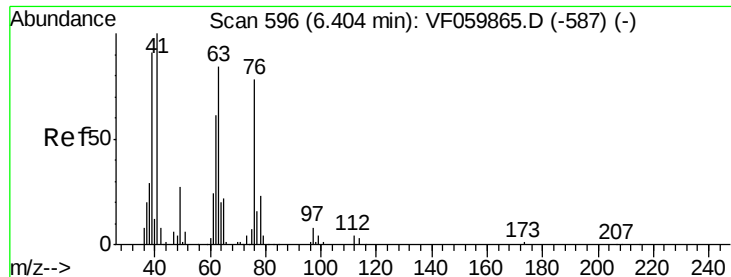
apatel
8/7/2018 10:46:42 AM



#44
Trichloroethene
Concen: 56.44 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	236.8





#45

1,2-Dichloropropane

Concen: 48.12 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 48870

Ion Ratio Lower Upper

63 100

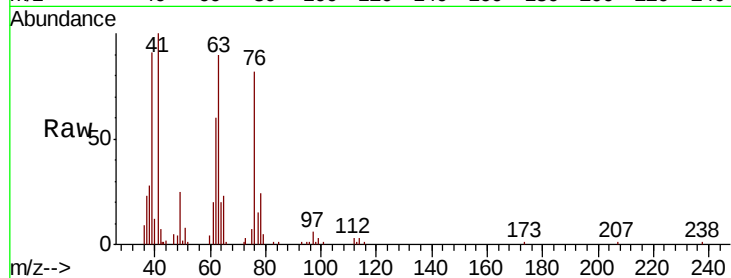
65 25.5 20.4 30.6

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

20000

15000

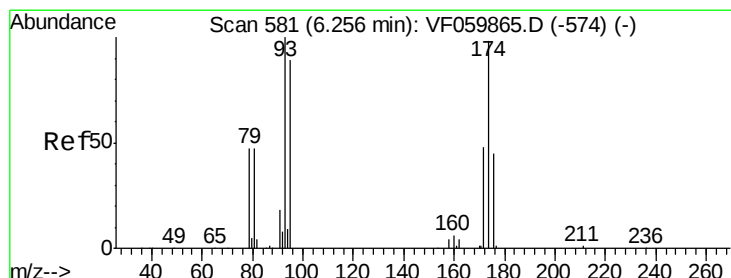
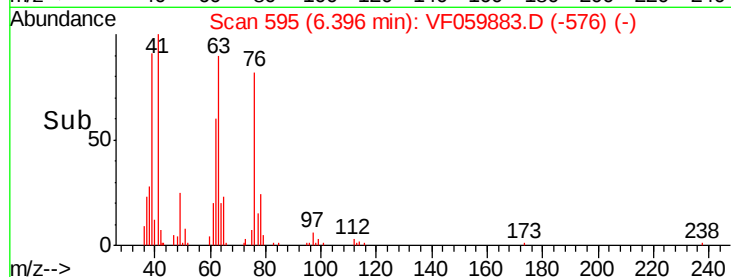
10000

5000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 32.49 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

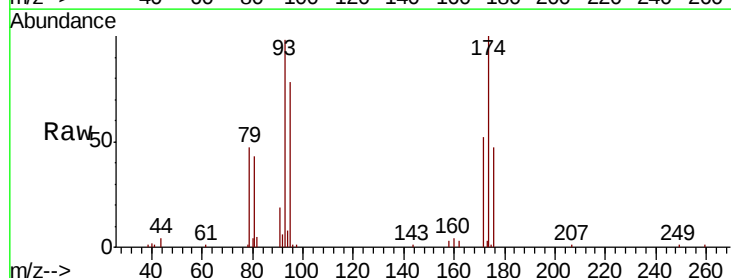
Tgt Ion: 93 Resp: 33292

Ion Ratio Lower Upper

93 100

95 78.9 71.4 107.2

174 103.0 78.1 117.1



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

15000

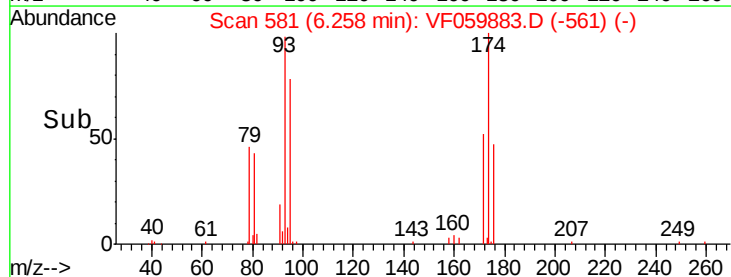
10000

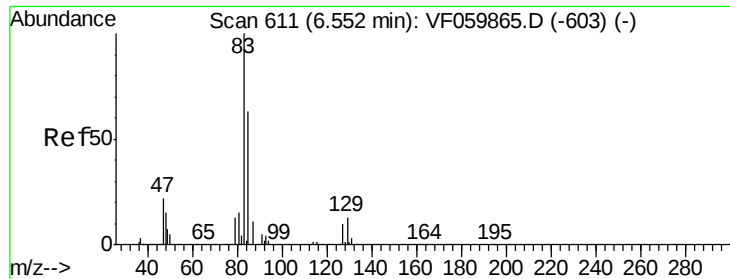
5000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 42.94 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

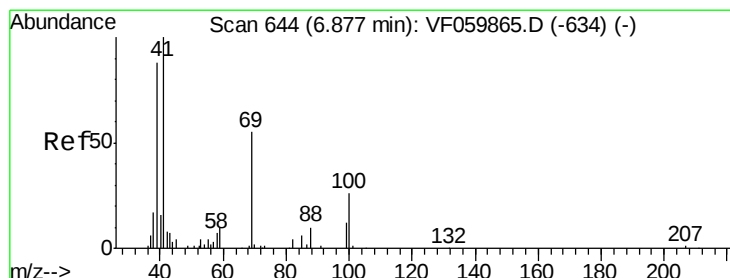
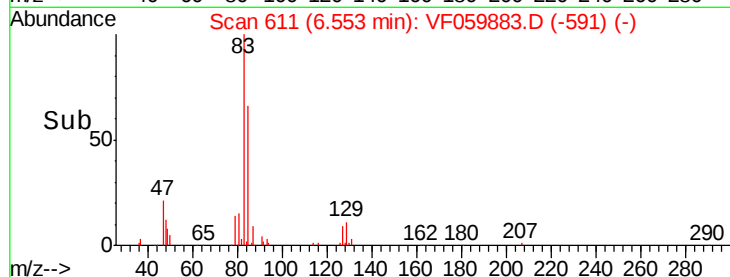
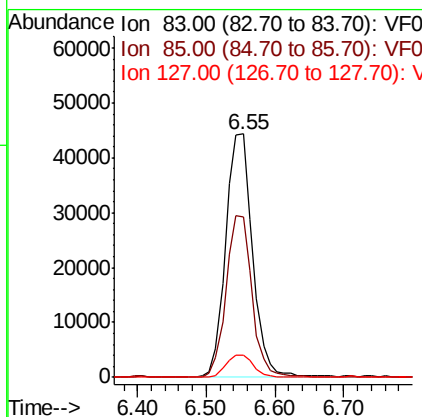
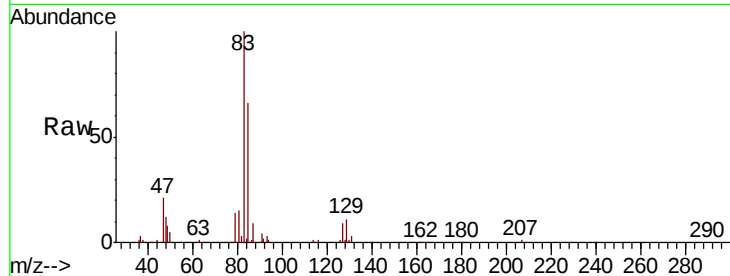
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	120346
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.7	76.1
127	9.3	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 31.00 ug/l

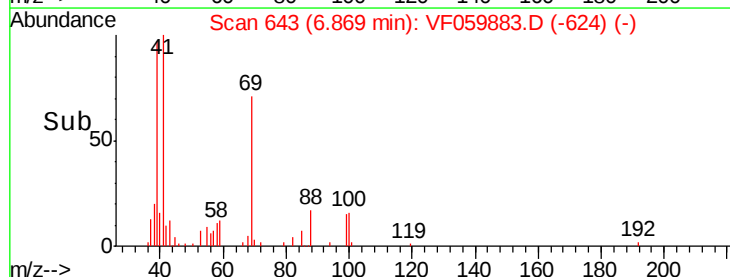
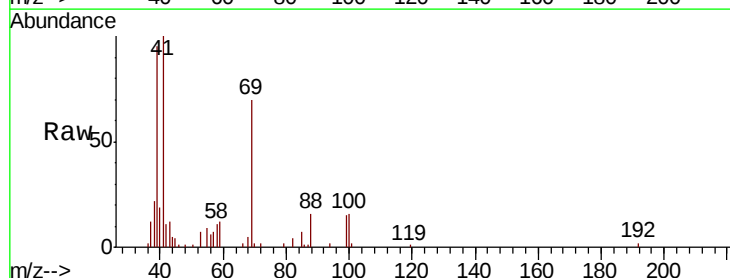
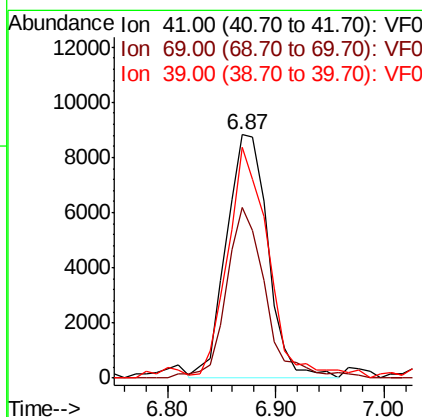
RT: 6.87 min Scan# 643

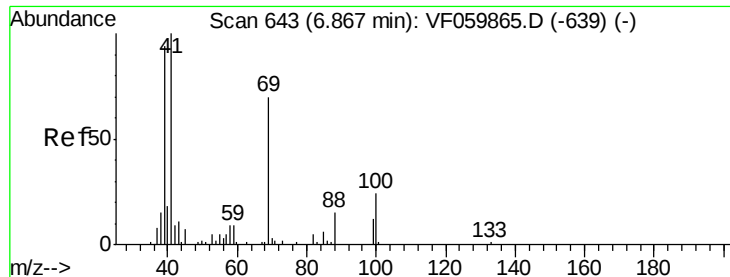
Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	41	Resp:	23596
Ion	Ratio	Lower	Upper
41	100		
69	70.0	44.4	66.6#
39	94.9	70.6	106.0





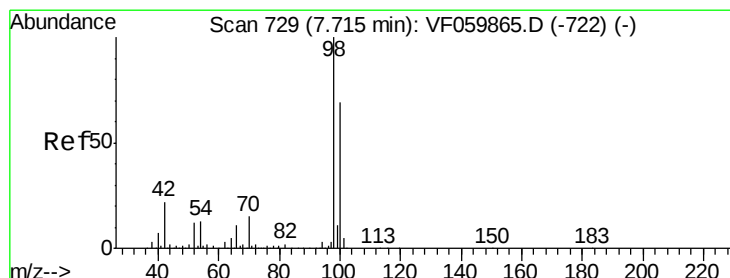
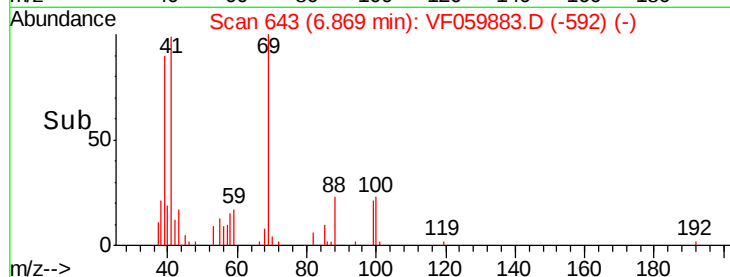
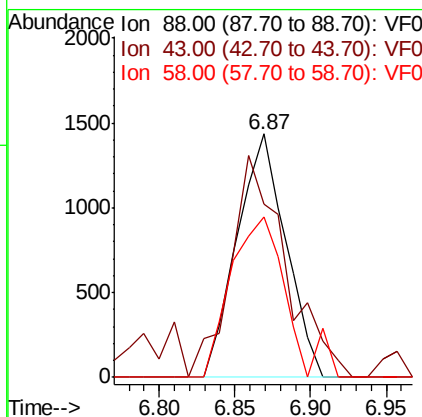
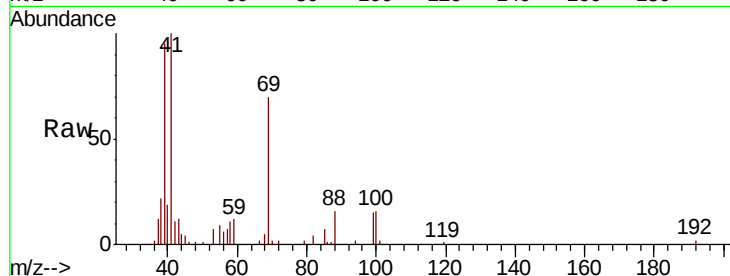
#49
1,4-Dioxane
Concen: 622.55 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	71.2	58.3	87.5
58	65.7	49.4	74.2

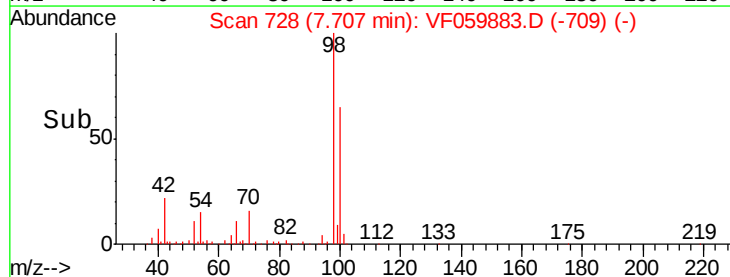
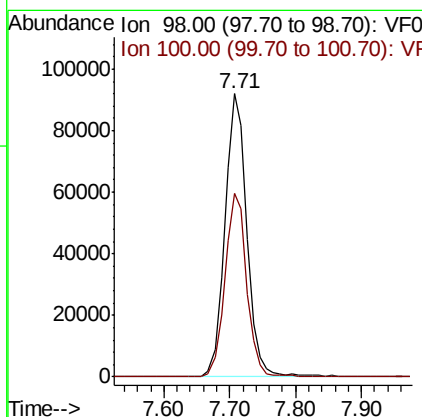
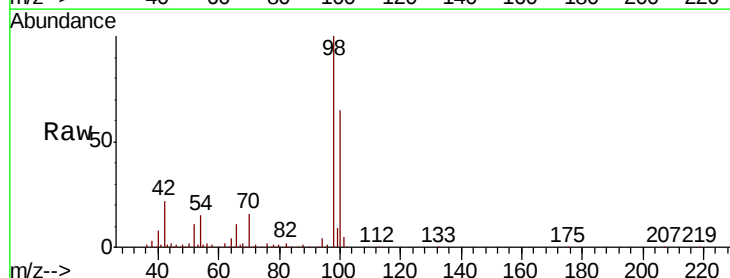
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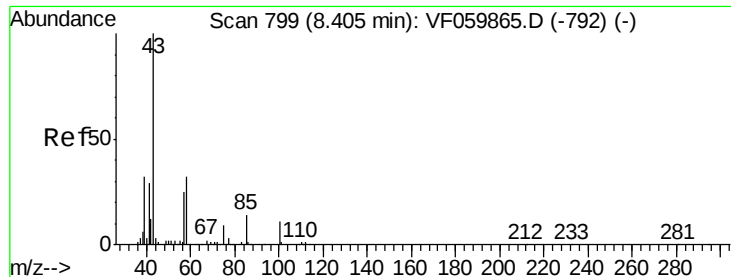
apatel
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#50
Toluene-d8
Concen: 52.94 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 146.44 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 146505

Ion Ratio Lower Upper

43 100

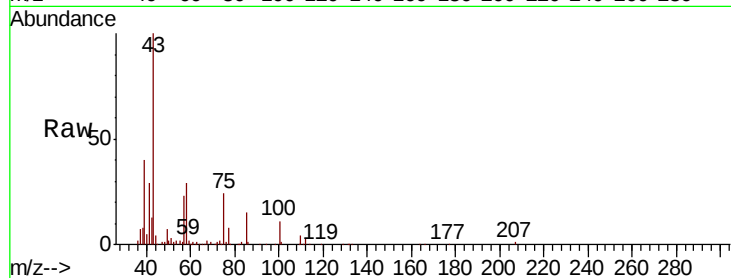
58 28.5 25.4 38.0

Manual Integrations

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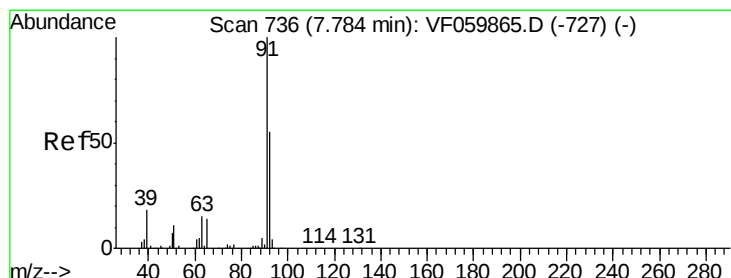
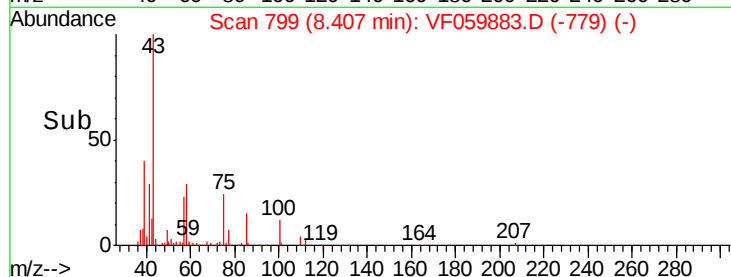
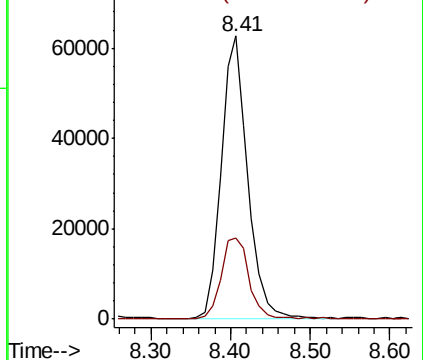
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 54.38 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF059883.D

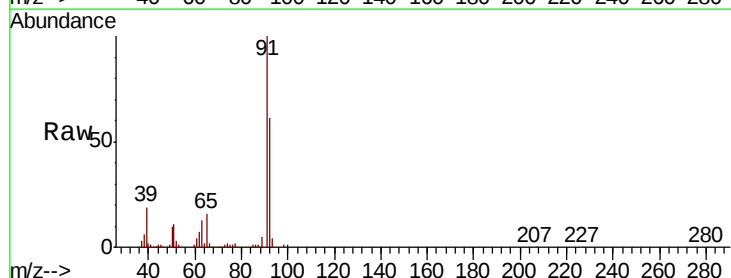
Acq: 6 Aug 2018 18:17

Tgt Ion: 92 Resp: 152010

Ion Ratio Lower Upper

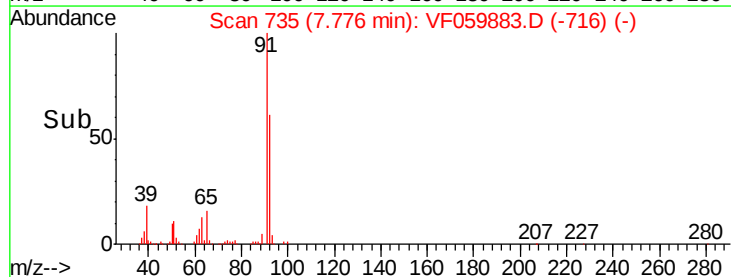
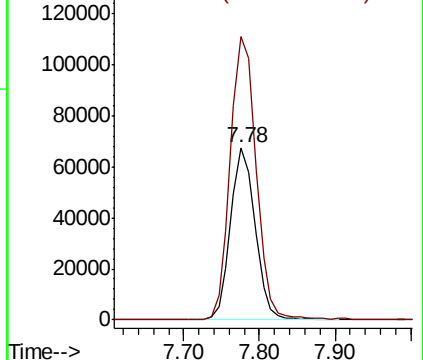
92 100

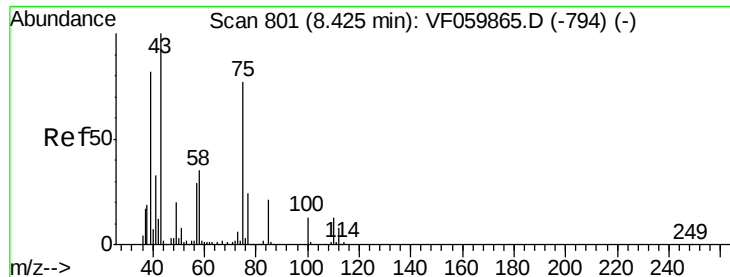
91 164.3 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 40.20 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 85698

Ion Ratio Lower Upper

75 100

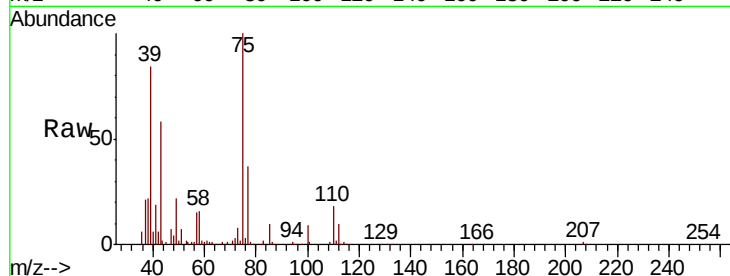
77 36.9 24.5 36.7#

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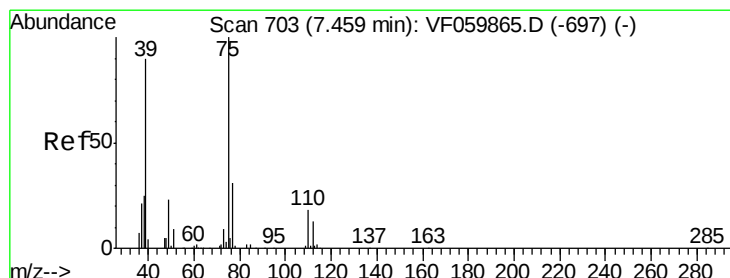
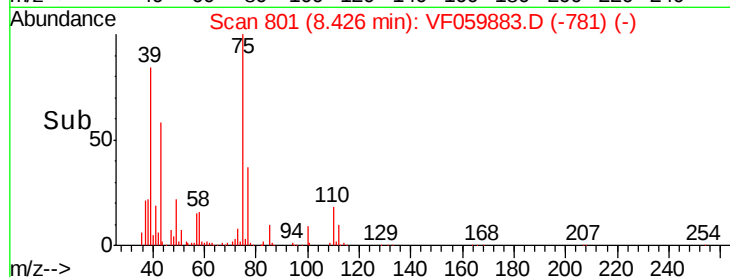
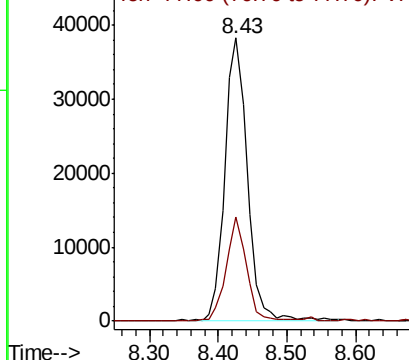
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 45.67 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

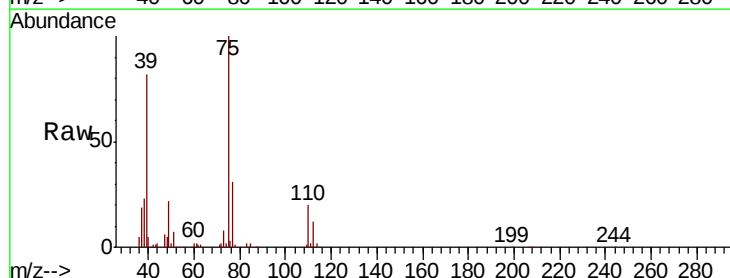
Tgt Ion: 75 Resp: 100483

Ion Ratio Lower Upper

75 100

77 30.7 24.7 37.1

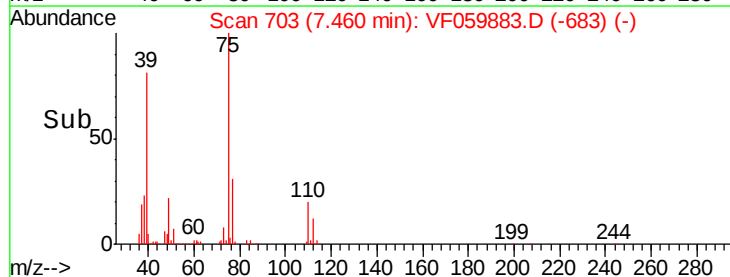
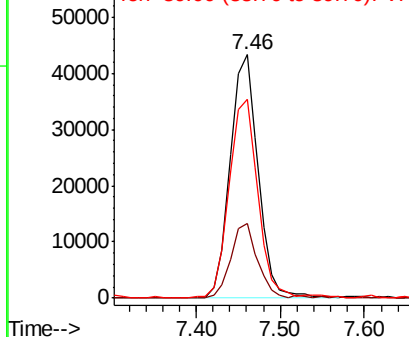
39 81.6 72.0 108.0

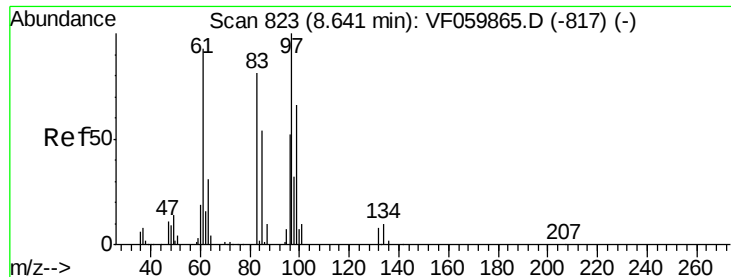


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





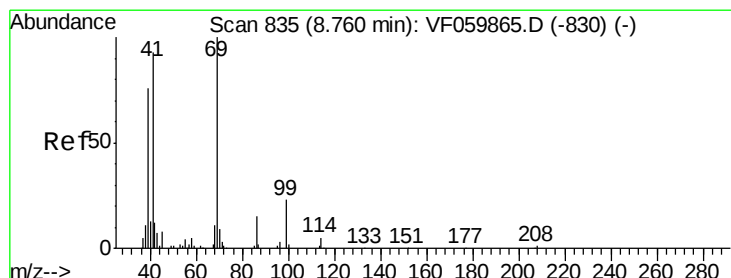
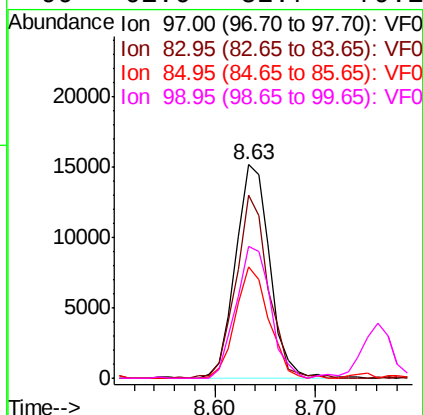
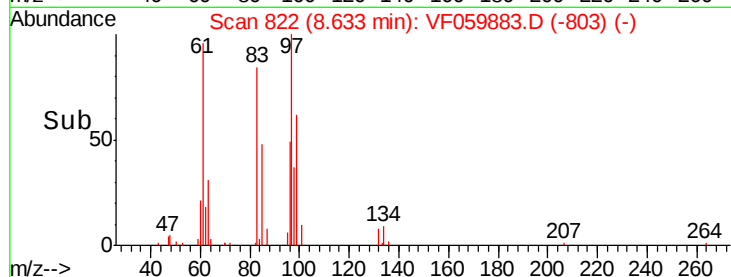
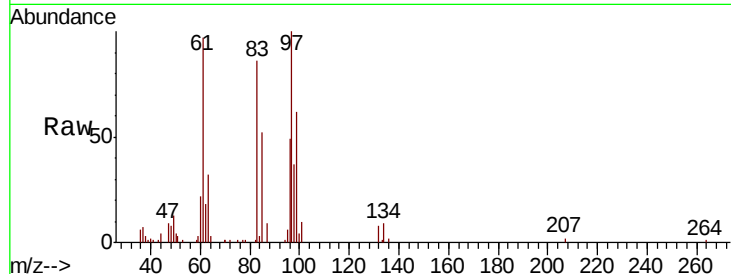
#55
1,1,2-Trichloroethane
Concen: 35.58 ug/l
RT: 8.63 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		35802		
83	85.8	64.4	96.6		
85	51.9	43.1	64.7		
99	61.6	52.7	79.1		

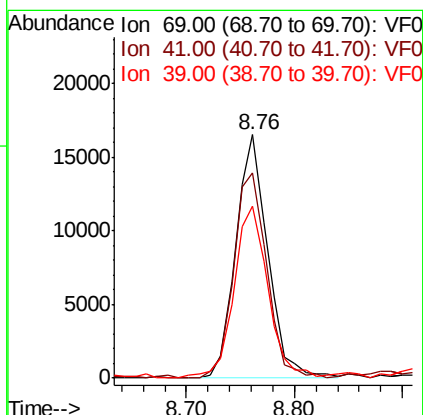
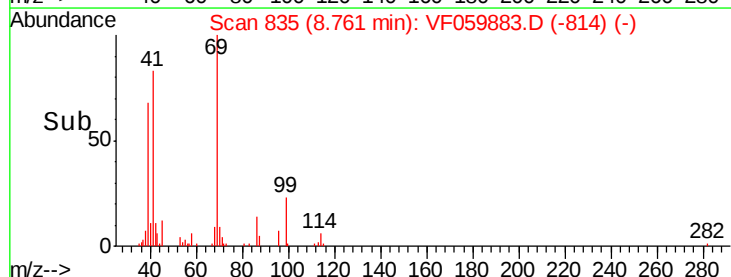
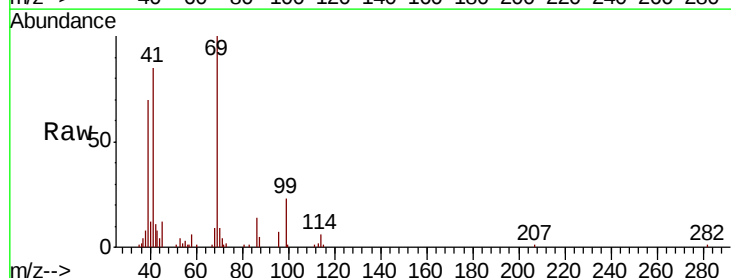
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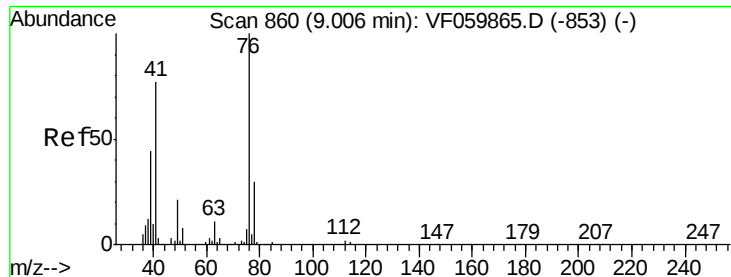
apatel
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#56
Ethyl methacrylate
Concen: 32.06 ug/l
RT: 8.76 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		33946		
41	84.5	74.7	112.1		
39	70.5	61.1	91.7		





#57

1,3-Dichloropropane

Concen: 35.31 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 61005

Ion Ratio Lower Upper

76 100

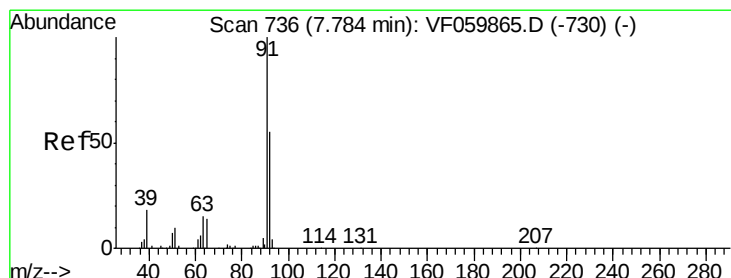
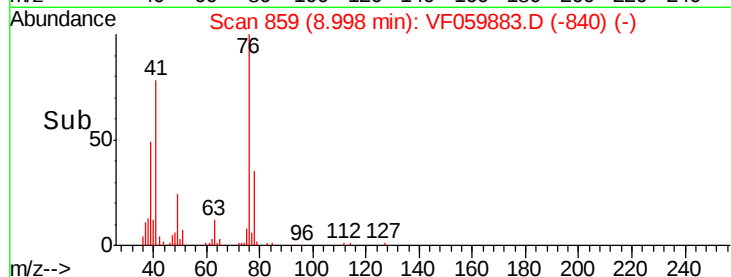
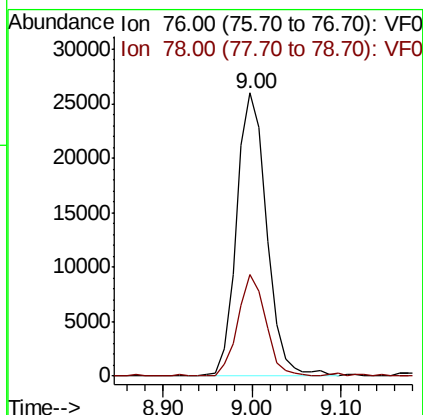
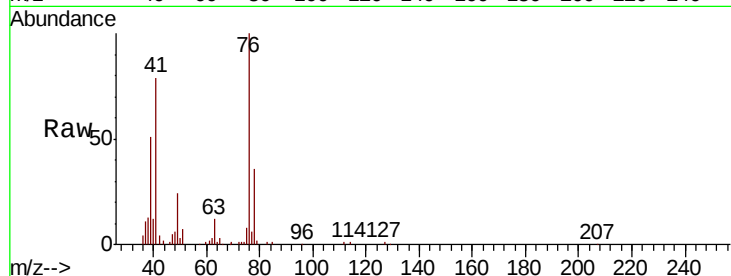
78 35.7 24.2 36.2

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#58

2-Chloroethyl Vinyl ether

Concen: 257.01 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF059883.D

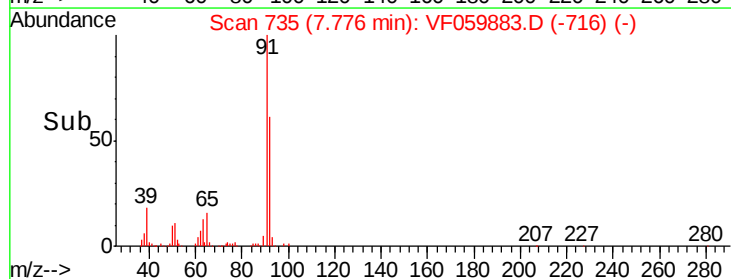
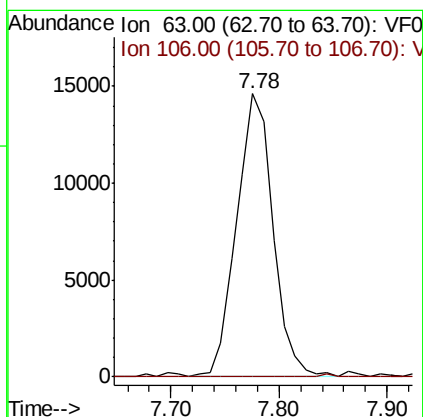
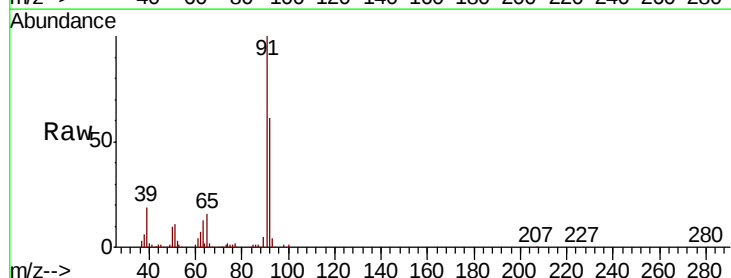
Acq: 6 Aug 2018 18:17

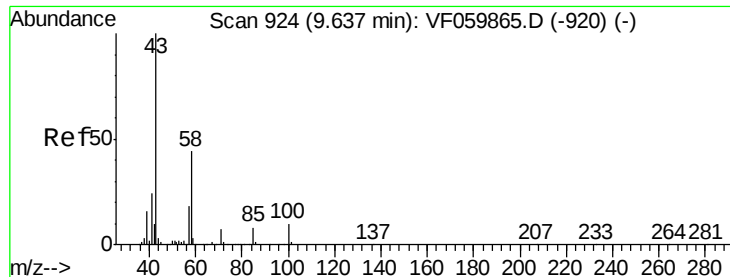
Tgt Ion: 63 Resp: 34213

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





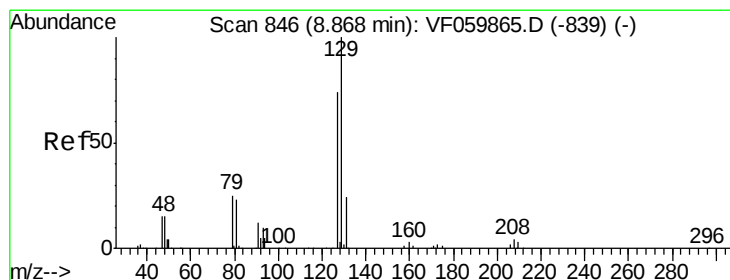
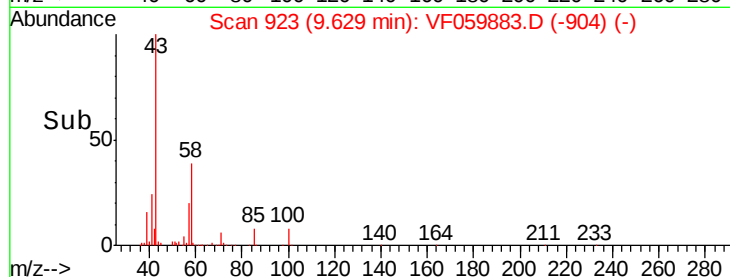
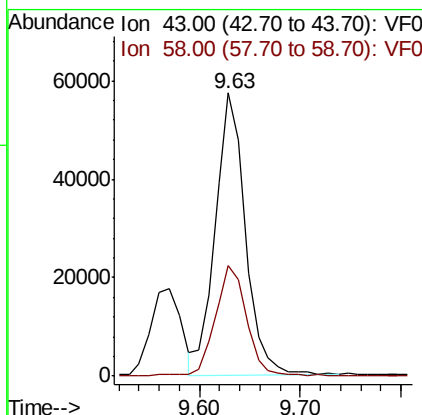
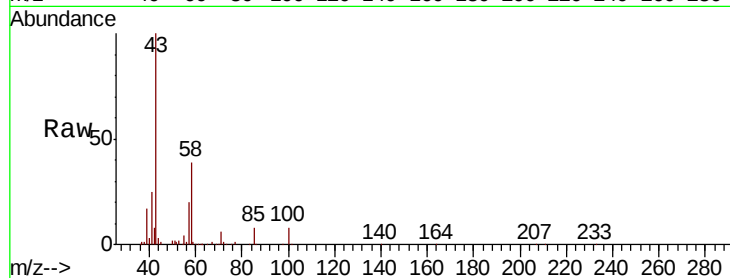
#59
2-Hexanone
Concen: 167.57 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	20.8	62.2

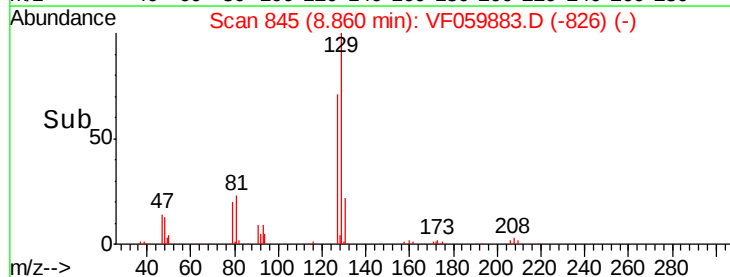
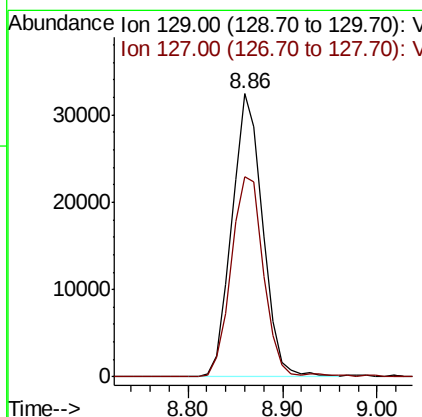
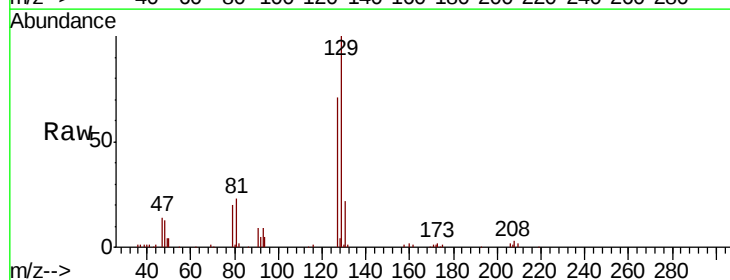
Manual Integrations
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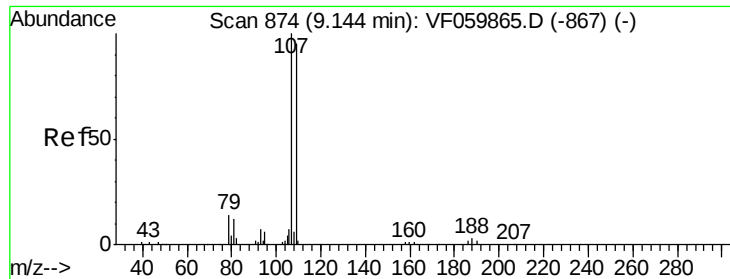
apatel
8/7/2018 10:46:42 AM



#60
Dibromochloromethane
Concen: 38.53 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	70.8	36.9	110.7





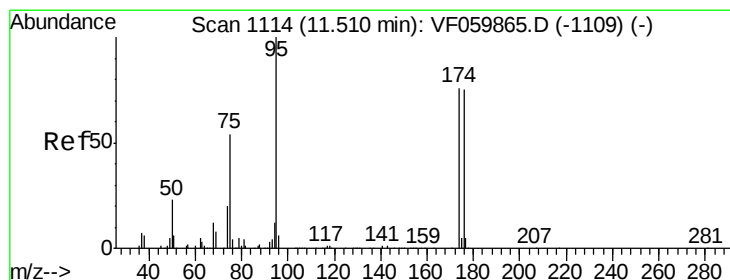
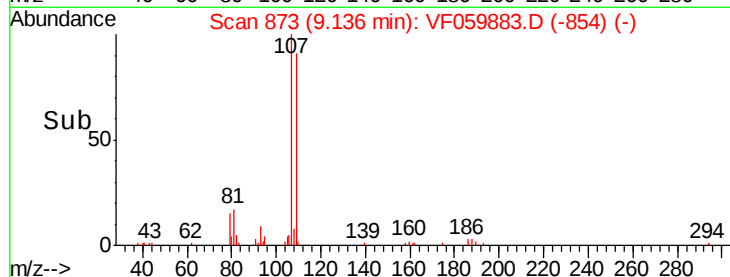
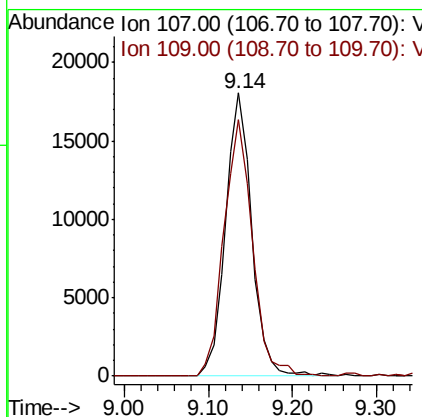
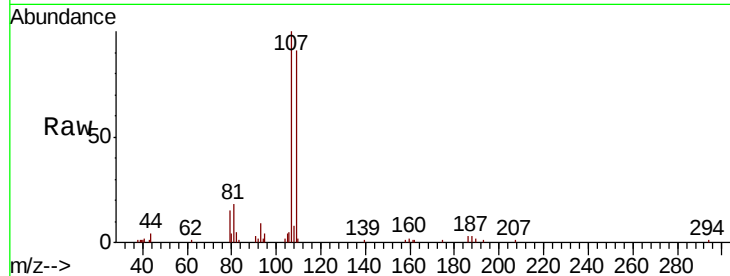
#61
 1,2-Dibromoethane
 Concen: 31.80 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.5	75.8	113.8

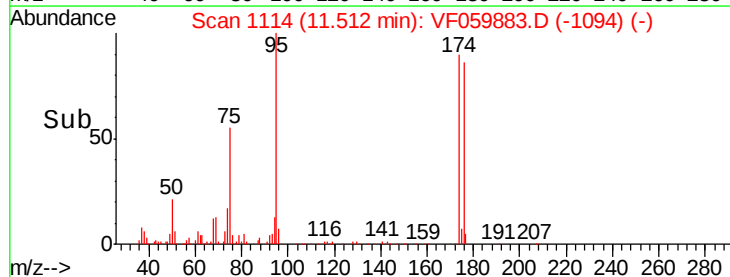
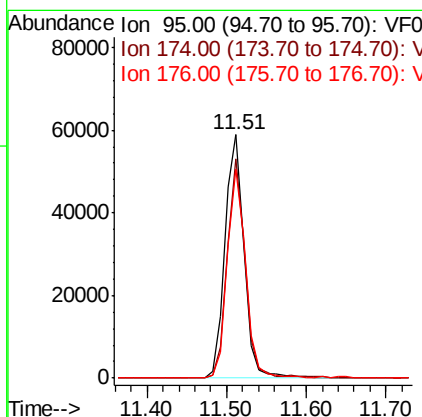
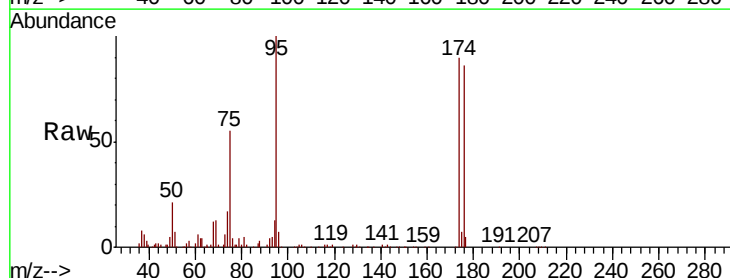
Manual Integrations
 APPROVED

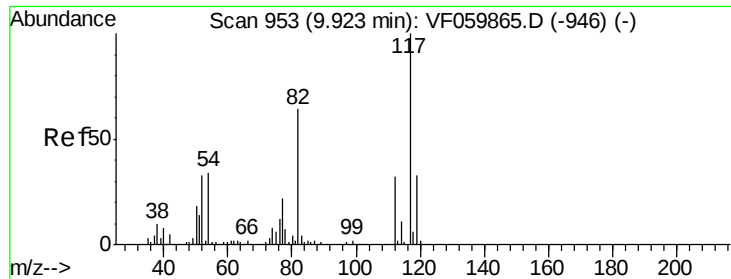
apatel
 8/7/2018 10:46:42 AM



#62
 4-Bromofluorobenzene
 Concen: 43.95 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	151.6
176	85.7	0.0	149.8





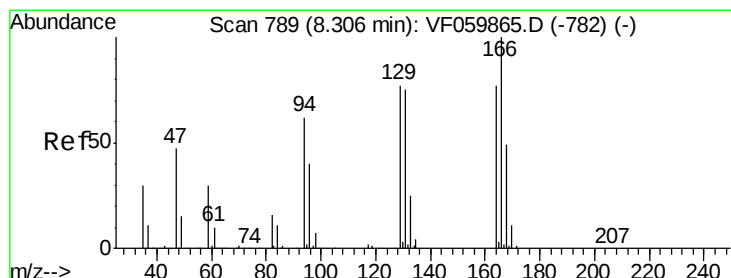
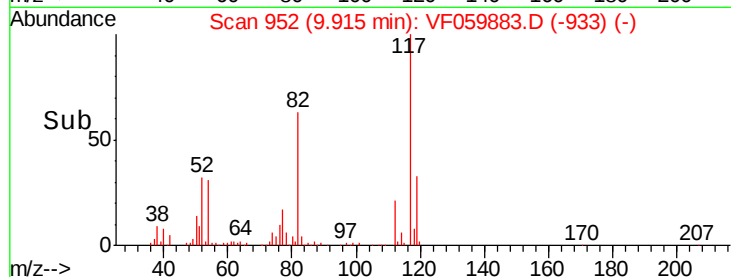
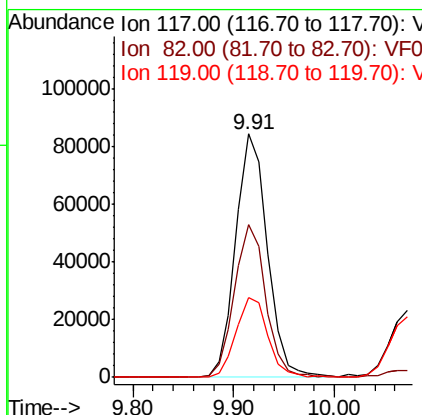
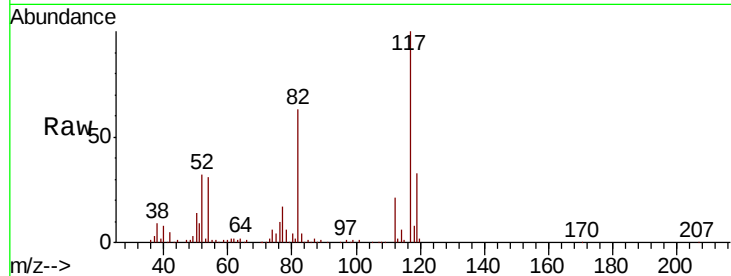
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	184883		
82	62.7	51.3	76.9	
119	32.8	26.4	39.6	

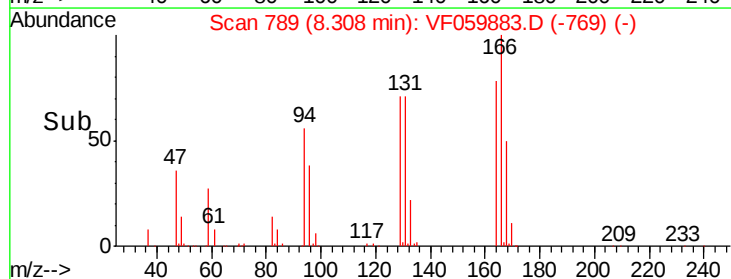
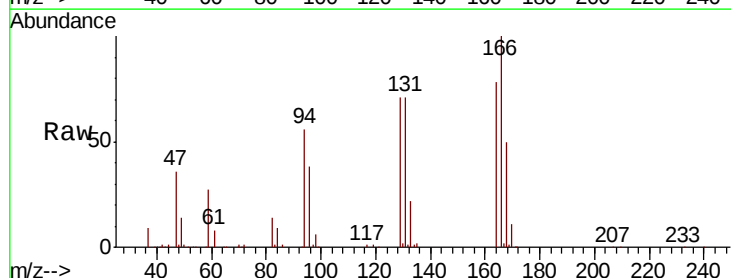
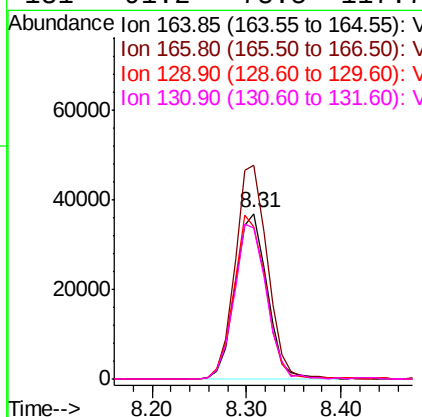
Manual Integrations
APPROVED

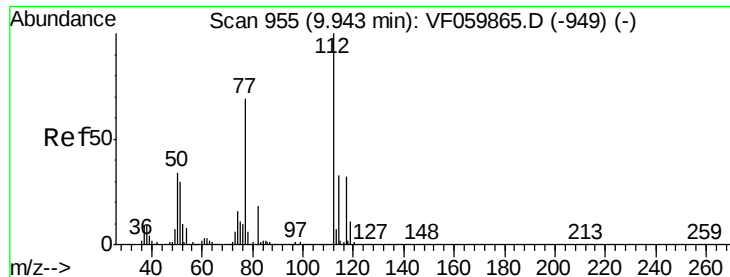
apatel
8/7/2018 10:46:42 AM



#64
Tetrachloroethene
Concen: 54.28 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86573		
166	129.0	104.4	156.6	
129	91.7	80.3	120.5	
131	91.2	78.5	117.7	





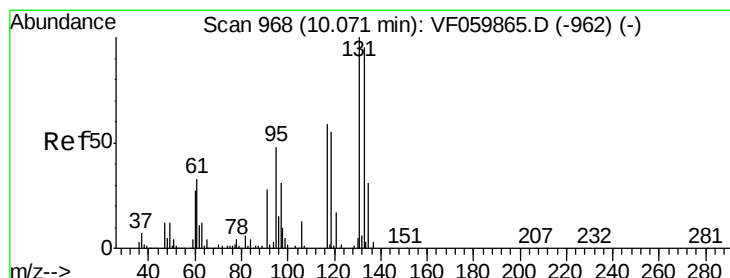
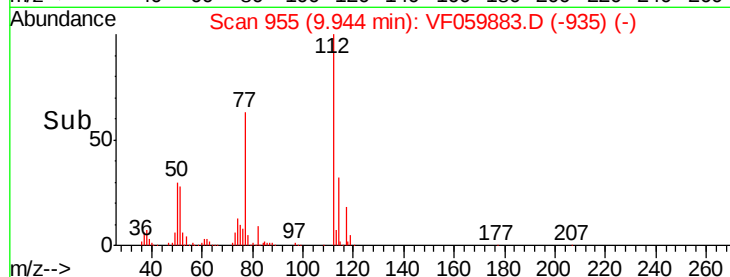
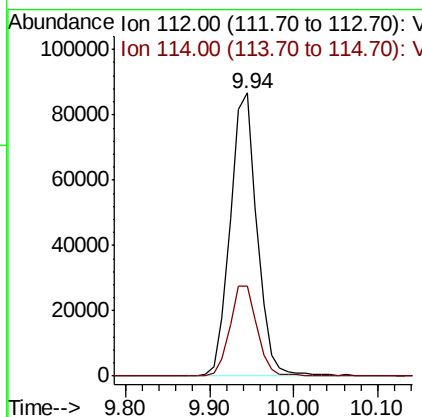
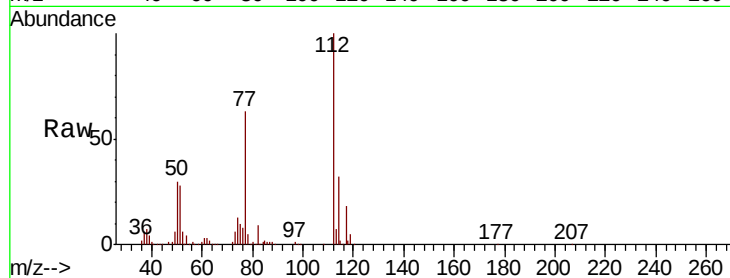
#65
Chlorobenzene
Concen: 51.28 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.4	39.6

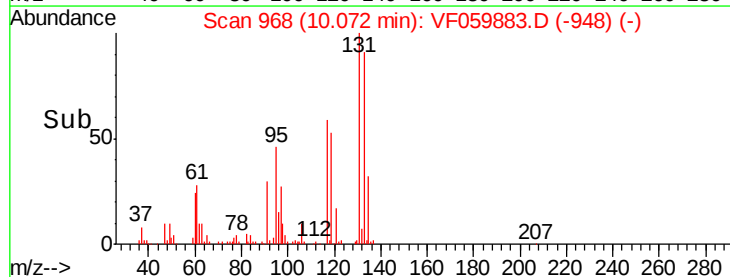
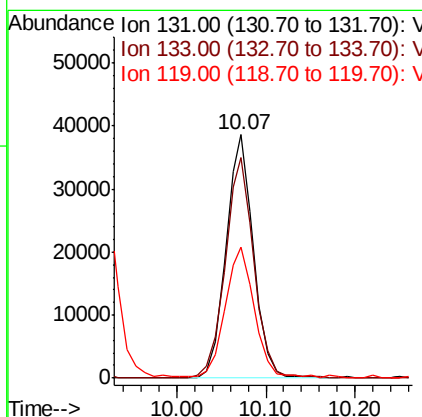
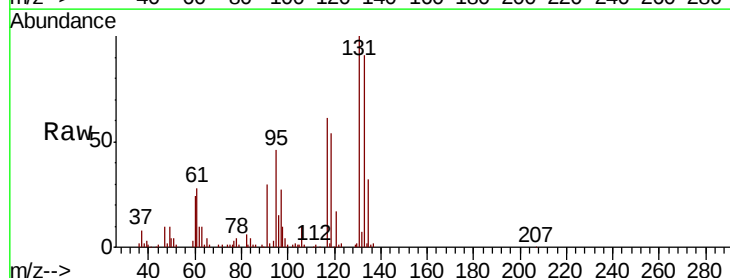
Manual Integrations
APPROVED

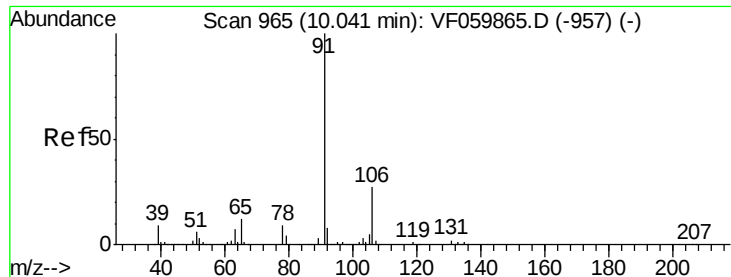
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.52 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.8	47.4	142.2
119	53.9	27.7	83.1





#67

Ethyl Benzene

Concen: 59.02 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 385875

Ion Ratio Lower Upper

91 100

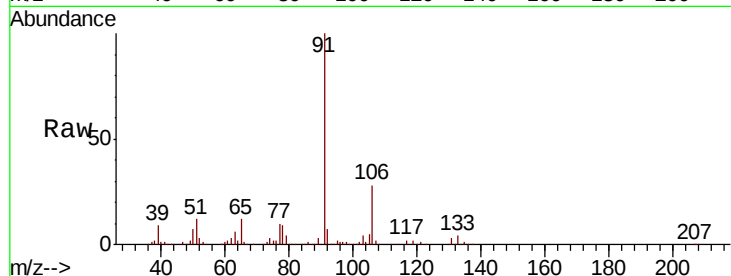
106 27.9 21.5 32.3

Manual Integrations

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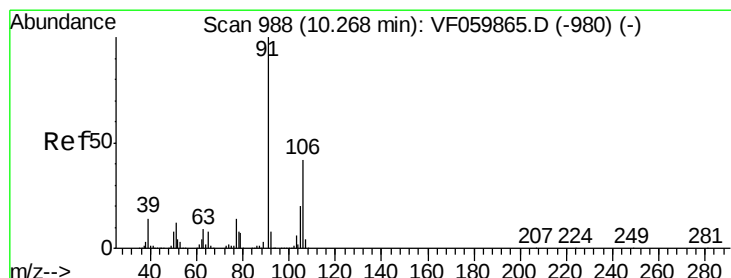
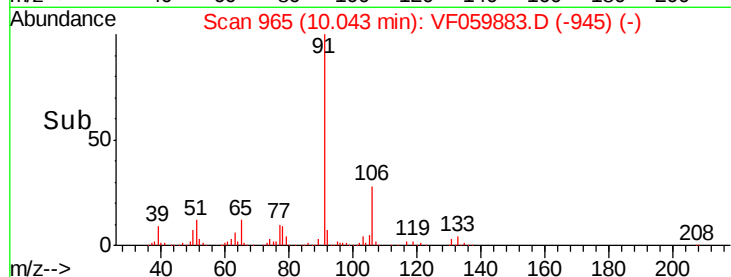
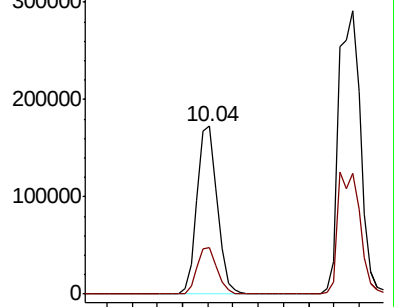
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 135.00 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF059883.D

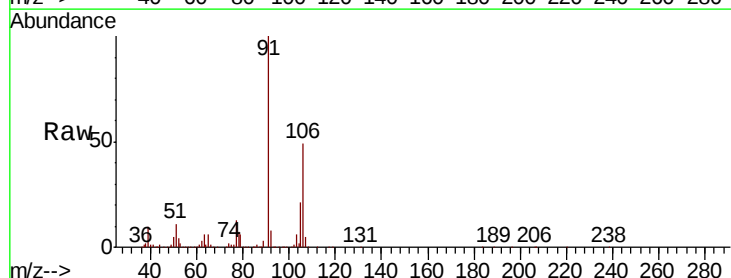
Acq: 6 Aug 2018 18:17

Tgt Ion:106 Resp: 305087

Ion Ratio Lower Upper

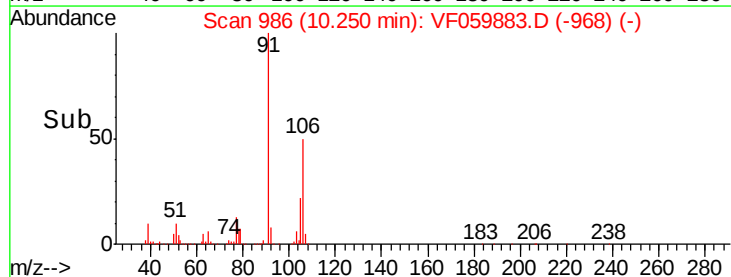
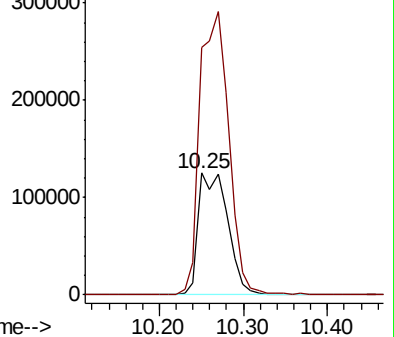
106 100

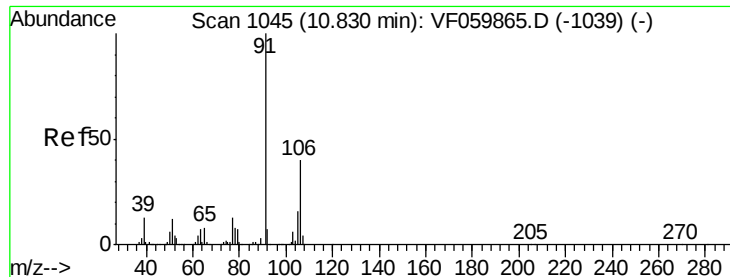
91 203.6 192.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





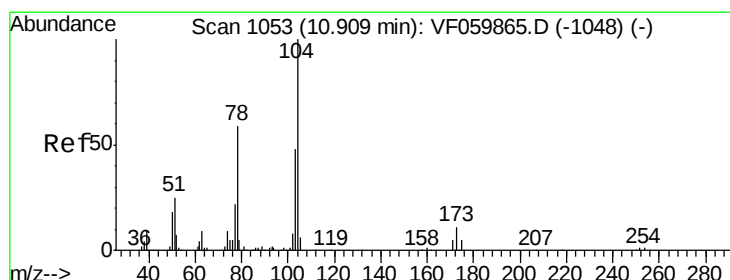
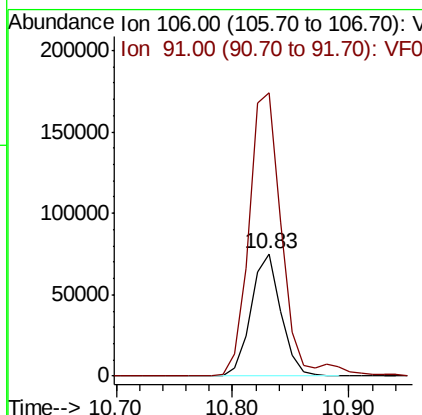
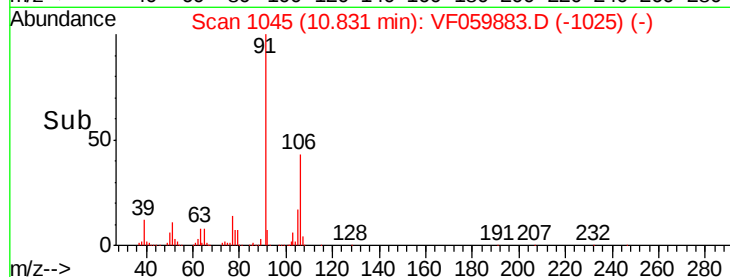
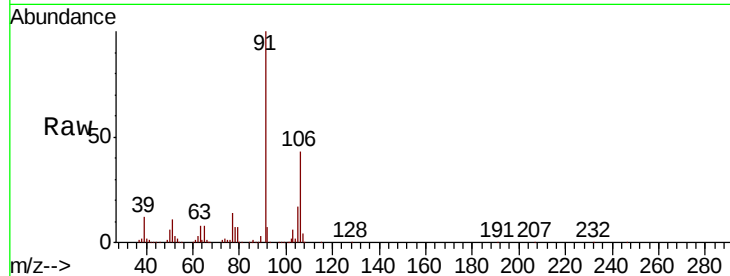
#69
o-Xylene
Concen: 56.41 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	230.9	125.4	376.2

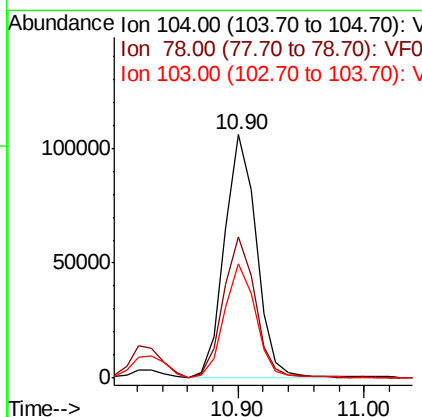
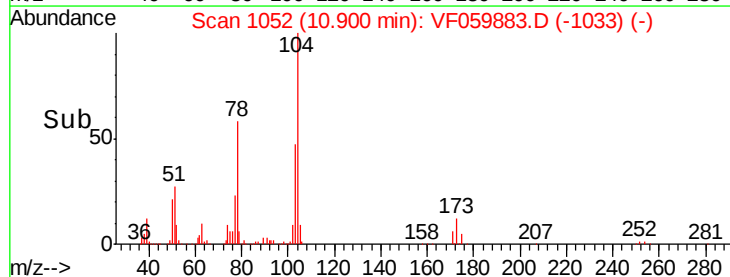
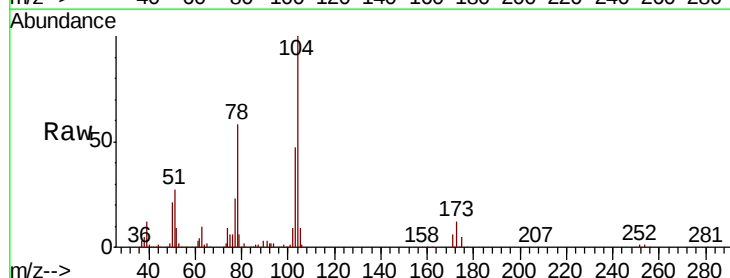
Manual Integrations
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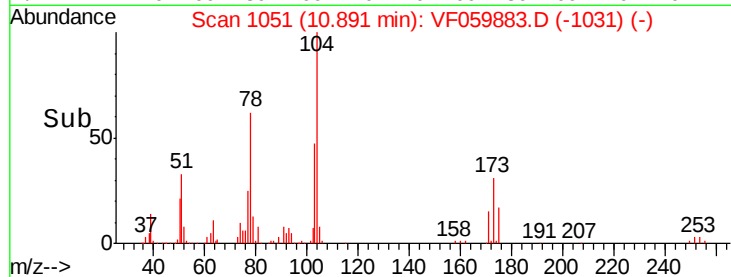
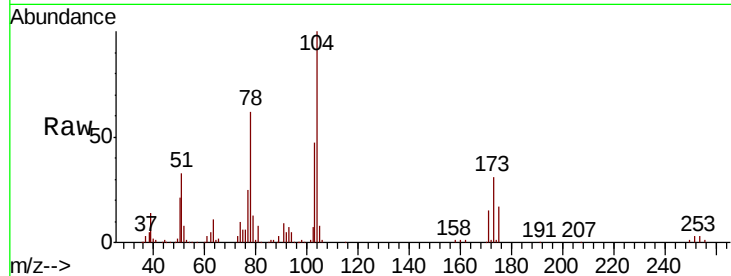
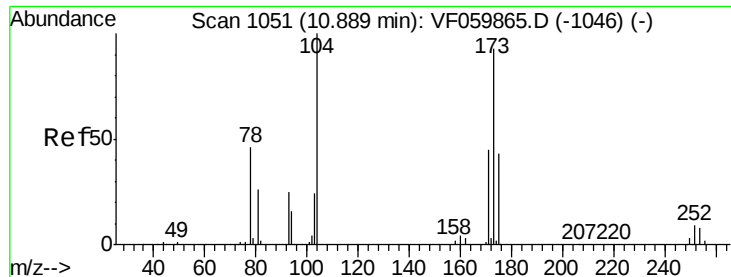
apatel
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#70
Styrene
Concen: 51.50 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	58.0	47.3	70.9
103	47.1	39.0	58.4





#71

Bromoform

Concen: 33.20 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tot Ion:	173	Resp:	37977
Ion Ratio	Lower	Upper	
173	100		
175	54.2	23.4	70.2
254	0.0	0.0	0.0

Instrument :

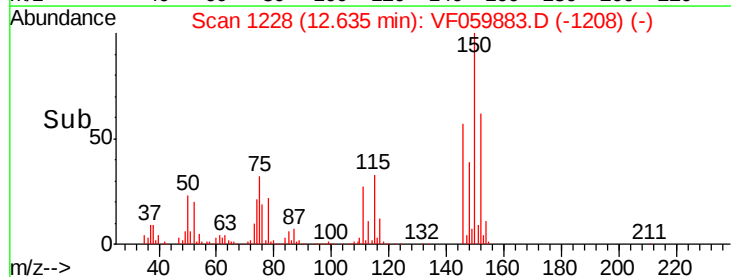
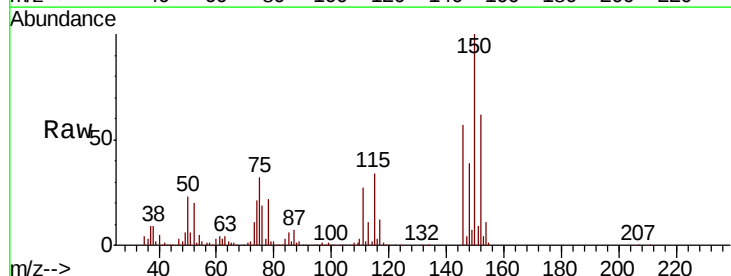
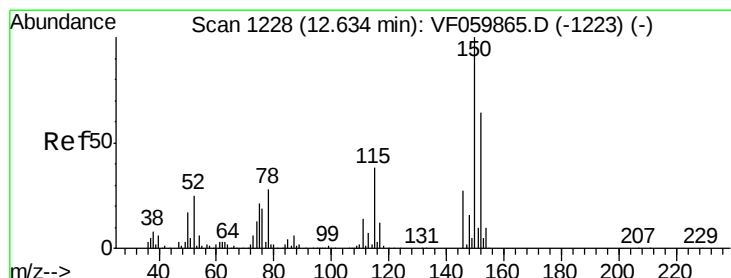
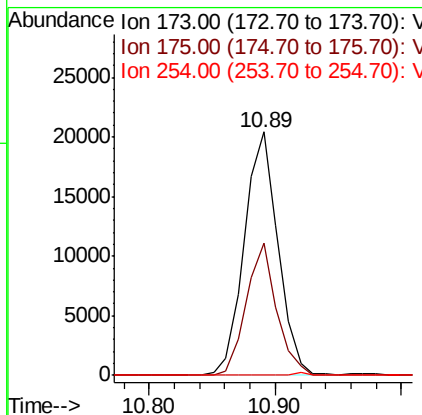
MSVOA_F

ClientSampleId :

VSTDCCC050

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

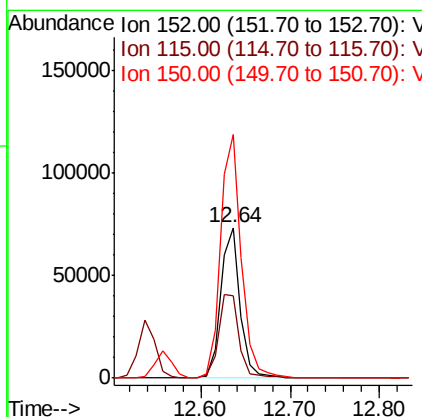
RT: 12.64 min Scan# 1228

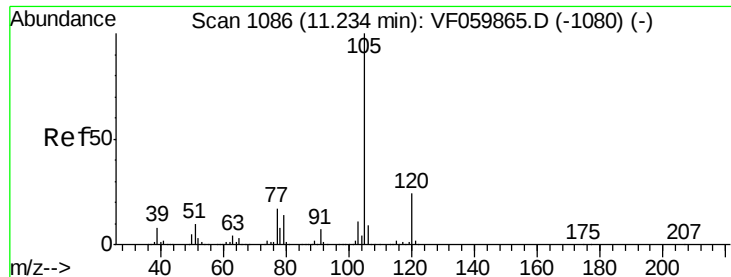
Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	152	Resp:	112053
Ion Ratio	Lower	Upper	
152	100		
115	54.3	29.8	89.4
150	161.5	0.0	315.6





#73

Isopropylbenzene

Concen: 64.99 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 453584

Ion Ratio Lower Upper

105 100

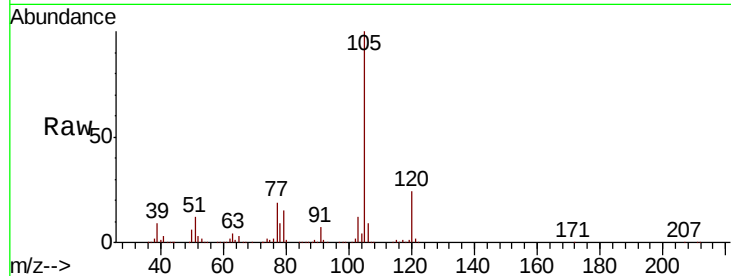
120 24.4 12.1 36.3

Manual Integrations

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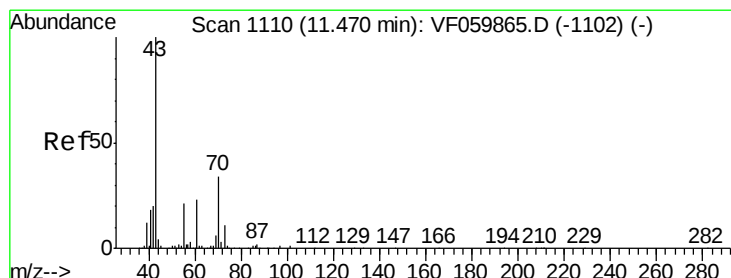
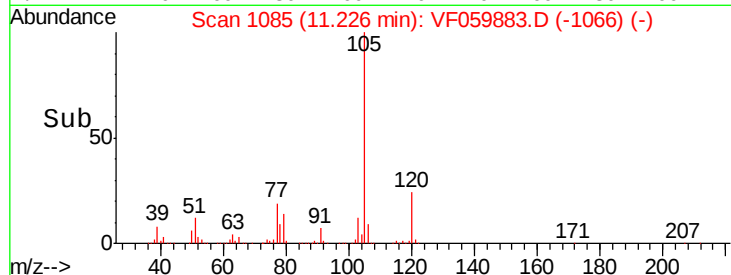
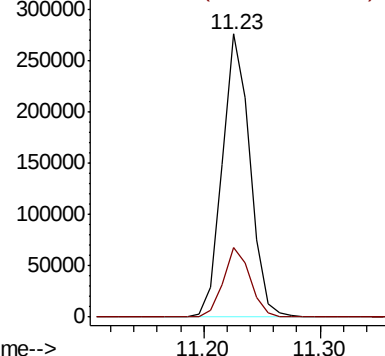
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 37.50 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion: 43 Resp: 63415

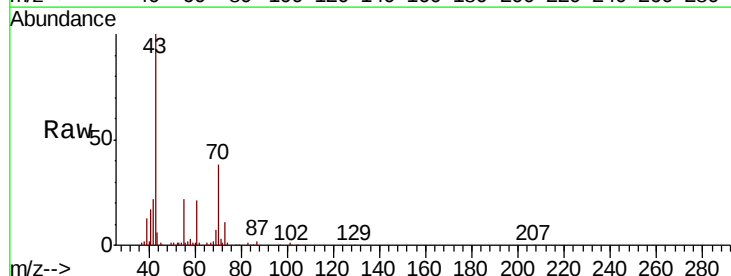
Ion Ratio Lower Upper

43 100

70 38.3 27.5 41.3

55 22.2 16.6 25.0

61 21.0 18.2 27.4

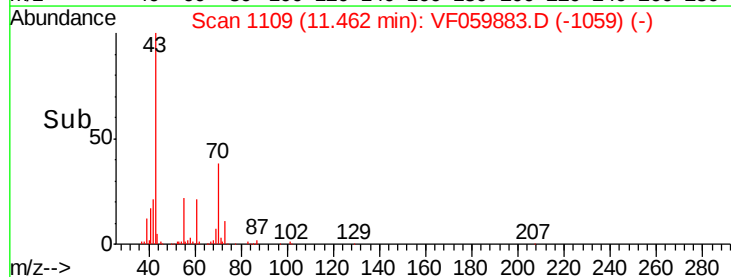
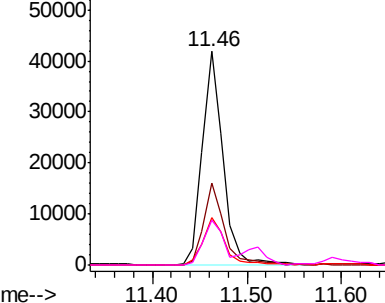


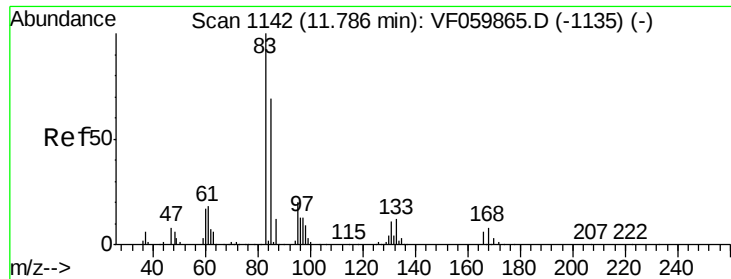
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 34.29 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

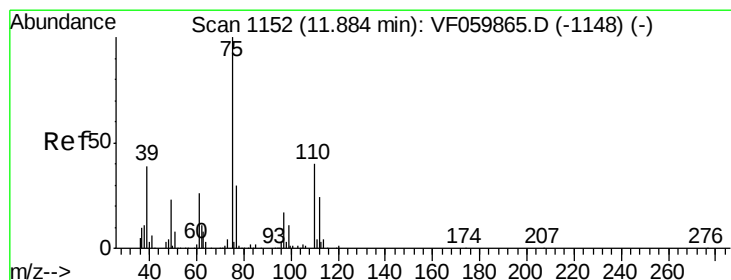
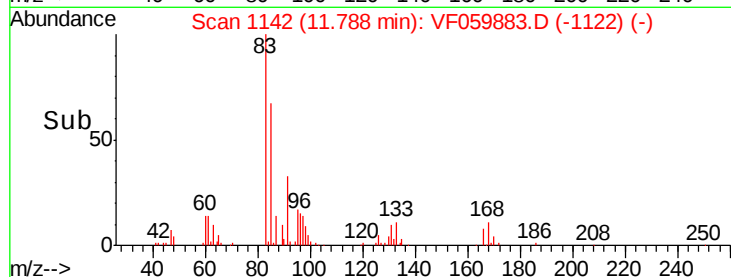
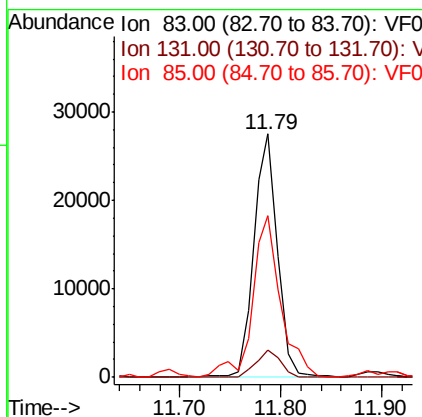
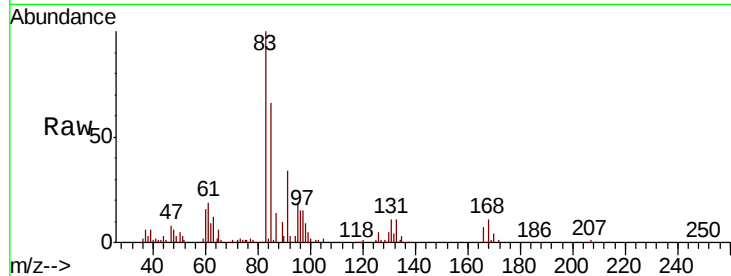
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	44929
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.3	15.9
85	66.3	34.5	103.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 35.12 ug/l

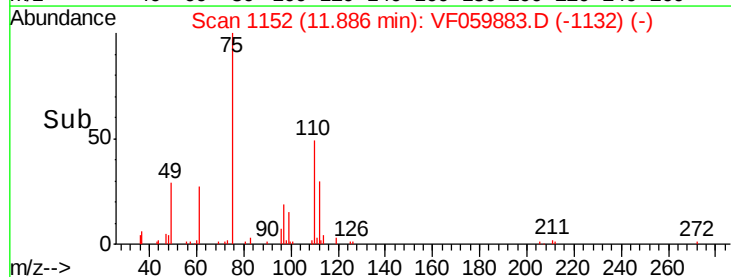
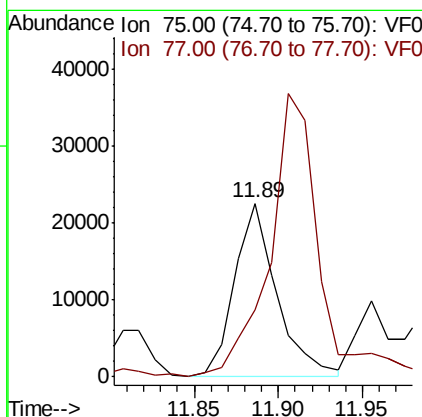
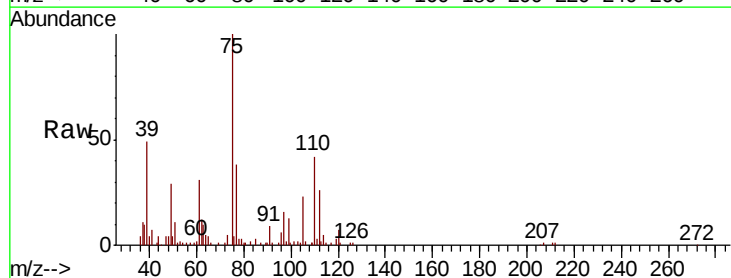
RT: 11.89 min Scan# 1152

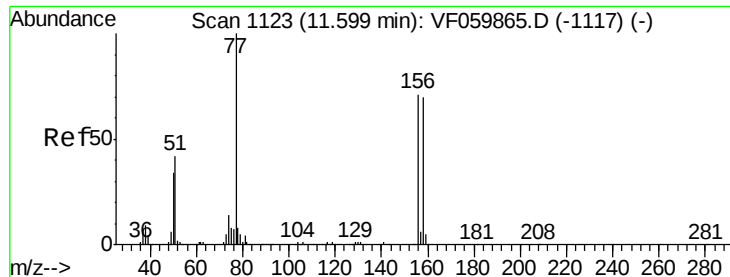
Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	75	Resp:	39532
Ion	Ratio	Lower	Upper
75	100		
77	38.4	15.4	46.2





#77

Bromobenzene

Concen: 51.42 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

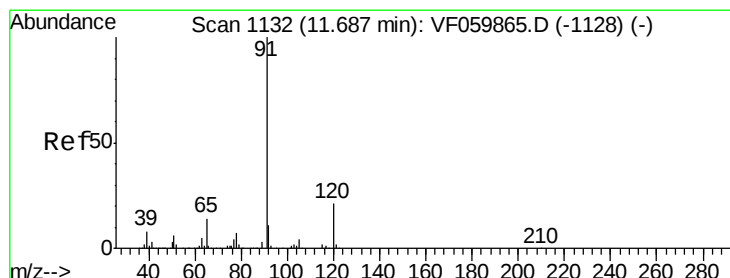
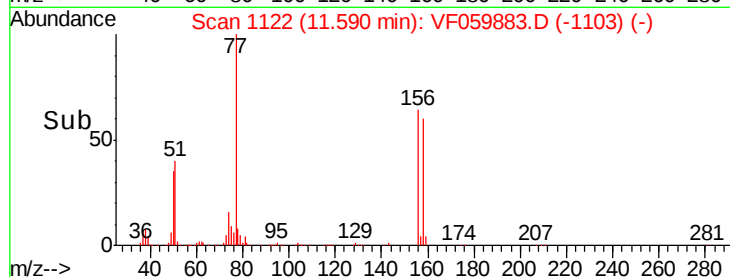
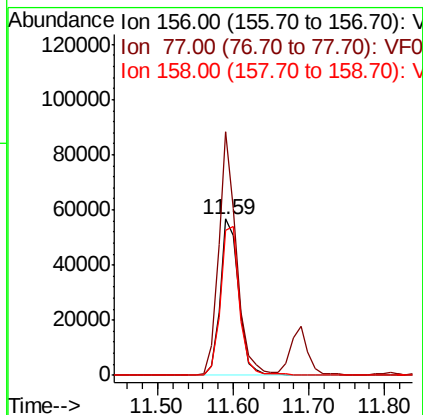
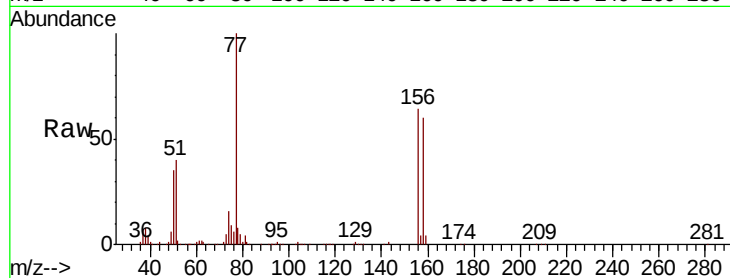
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		97600		
77	155.9	70.2	210.6		
158	93.2	49.2	147.6		

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#78

n-propylbenzene

Concen: 67.42 ug/l

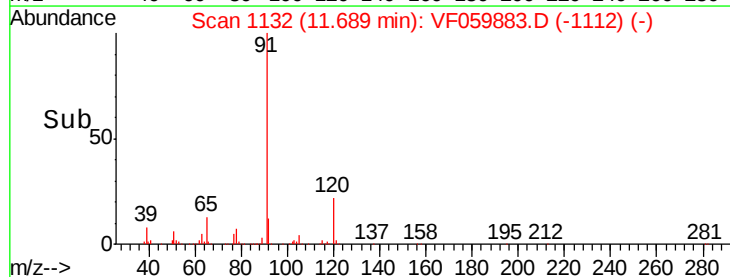
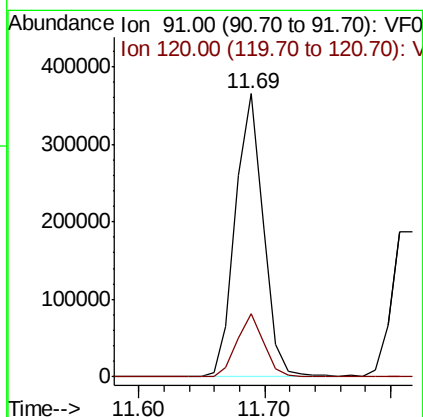
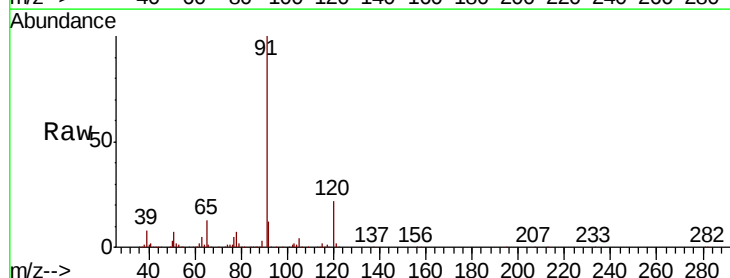
RT: 11.69 min Scan# 1132

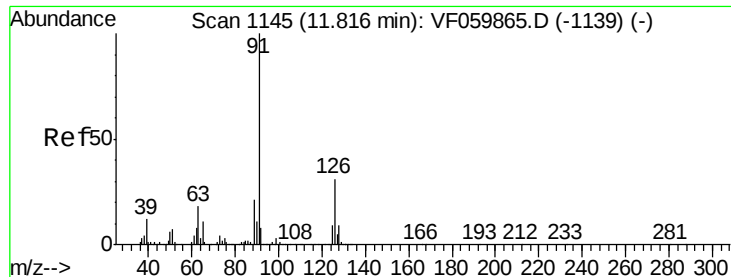
Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		555668		
120	22.3	10.4	31.2		





#79

2-Chlorotoluene

Concen: 60.91 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 317588

Ion Ratio Lower Upper

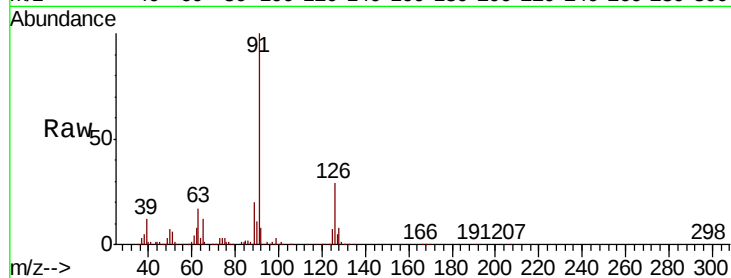
91 100

126 29.0 15.6 46.7

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Abundance Ion 91.00 (90.70 to 91.70): VF059865.D (-1139) (-)

Ion 126.00 (125.70 to 126.70): VF059865.D (-1139) (-)

200000

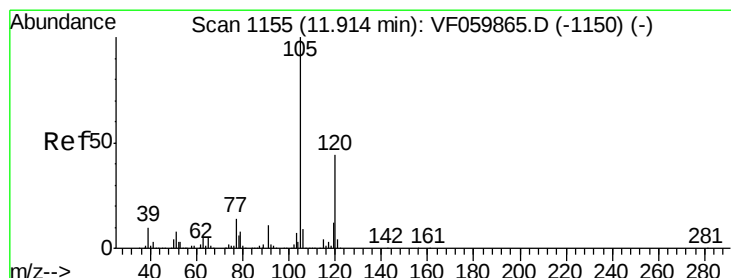
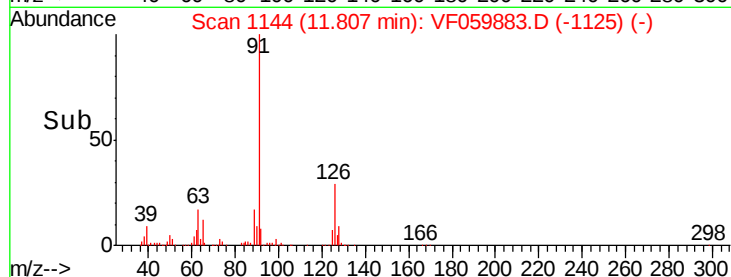
150000

100000

50000

0

Time--> 11.70 11.80 11.90



#80

1,3,5-Trimethylbenzene

Concen: 63.14 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059883.D

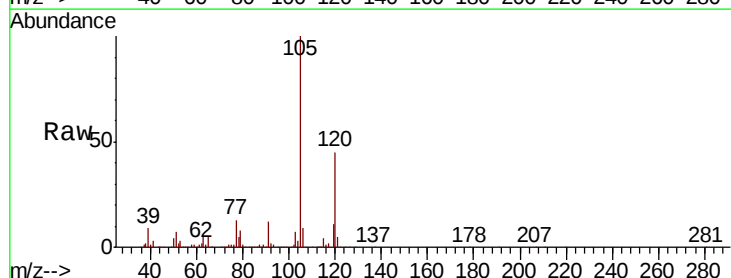
Acq: 6 Aug 2018 18:17

Tgt Ion: 105 Resp: 409234

Ion Ratio Lower Upper

105 100

120 44.7 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): VF059865.D (-1150) (-)

Ion 120.00 (119.70 to 120.70): VF059865.D (-1150) (-)

300000

250000

200000

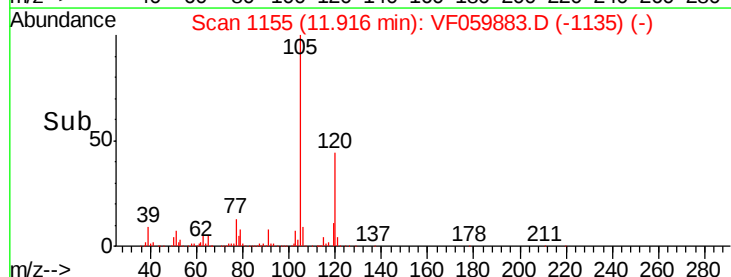
150000

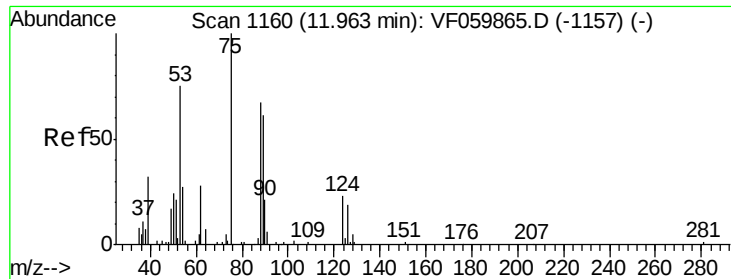
100000

50000

0

Time--> 11.80 11.90 12.00 12.10





#81

trans-1,4-Dichloro-2-butene

Concen: 31.20 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

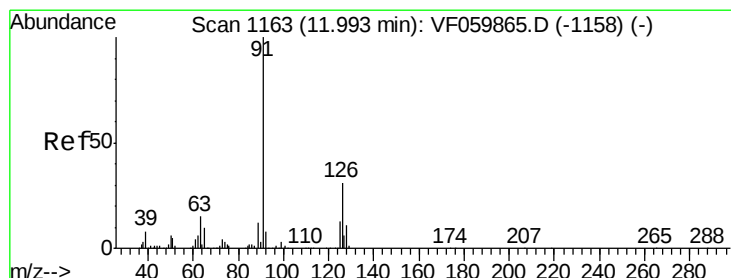
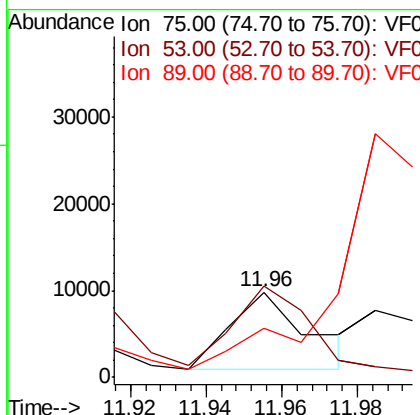
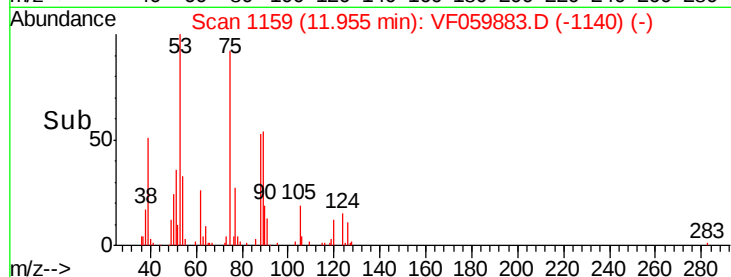
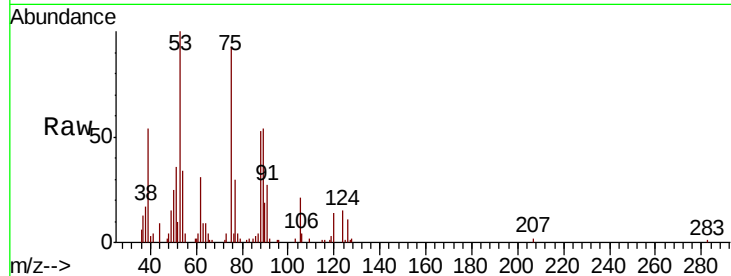
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	12613
Ion Ratio	Lower	Upper	
75	100		
53	107.6	65.9	98.9#
89	58.1	50.6	76.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 57.26 ug/l

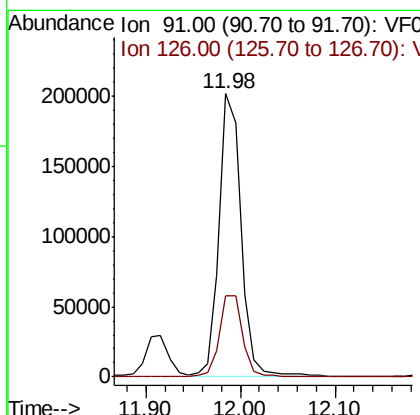
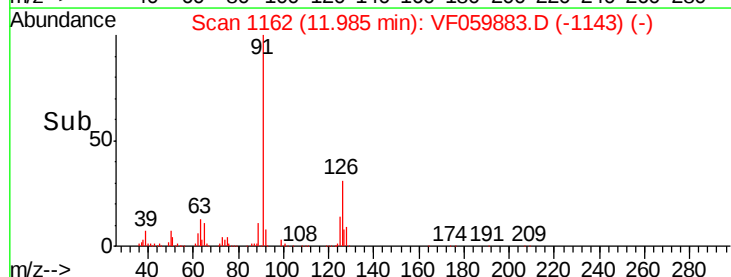
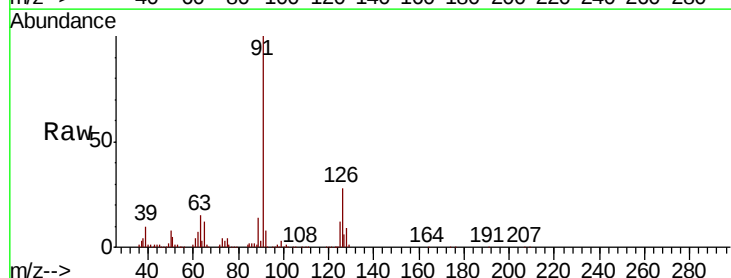
RT: 11.98 min Scan# 1162

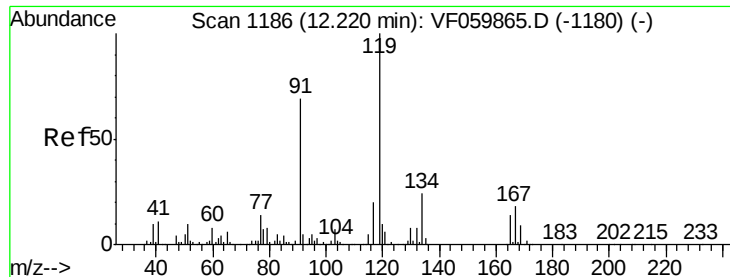
Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	91	Resp:	324197
Ion Ratio	Lower	Upper	
91	100		
126	28.5	15.7	47.0





#83

tert-Butylbenzene

Concen: 63.88 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

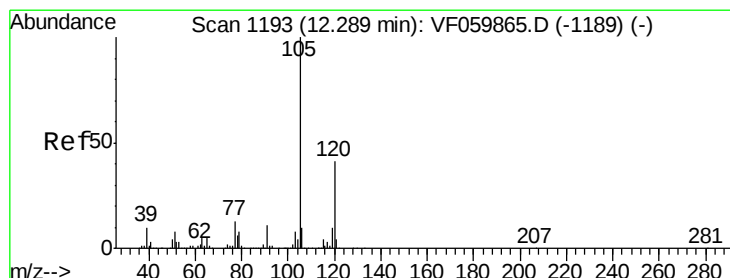
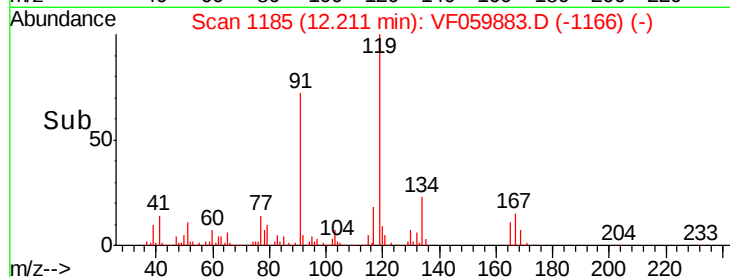
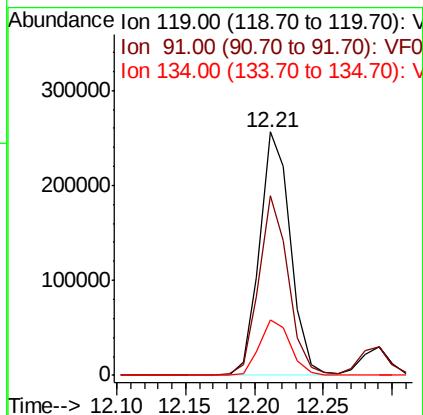
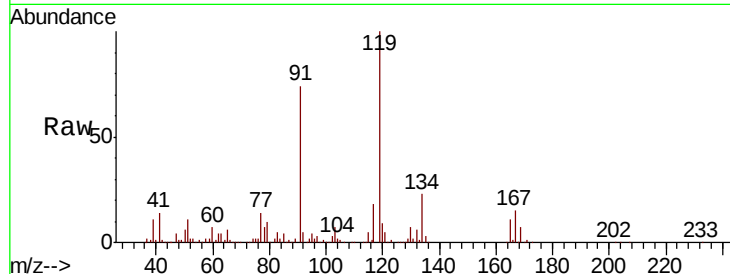
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	403009
Ion Ratio	Lower	Upper	
119	100		
91	73.9	34.4	103.2
134	22.9	12.1	36.3

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#84

1,2,4-Trimethylbenzene

Concen: 58.76 ug/l

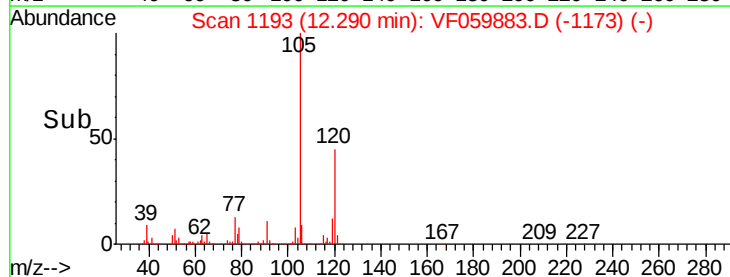
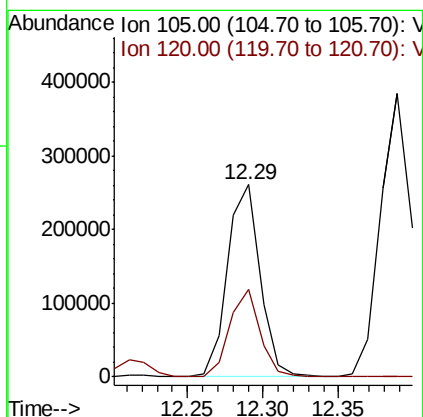
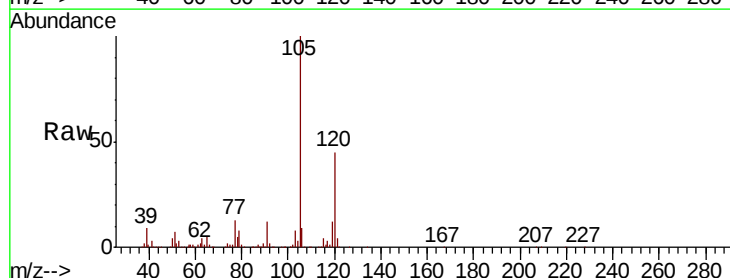
RT: 12.29 min Scan# 1193

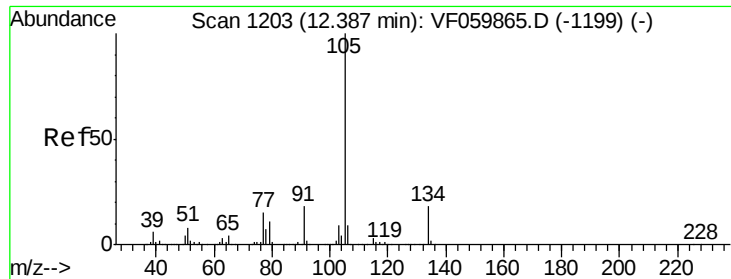
Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	105	Resp:	391636
Ion Ratio	Lower	Upper	
105	100		
120	45.3	20.8	62.5





#85

sec-Butylbenzene

Concen: 66.92 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 560971

Ion Ratio Lower Upper

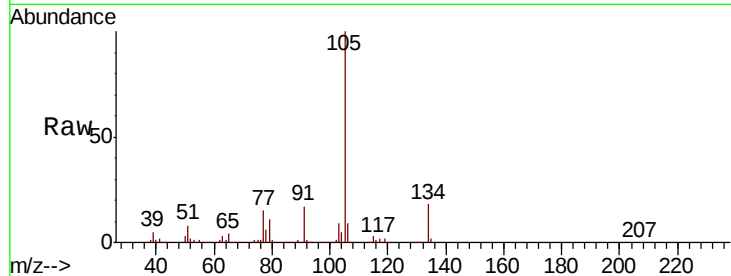
105 100

134 18.4 9.1 27.3

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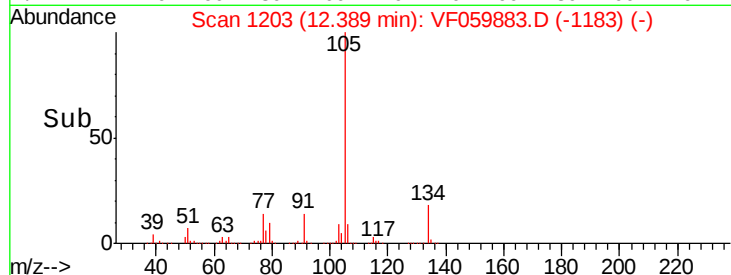
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39



400000

300000

200000

100000

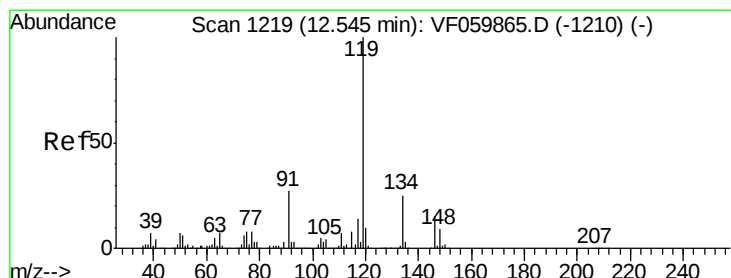
0

Time-->

12.30

12.40

12.50



#86

p-Isopropyltoluene

Concen: 67.84 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

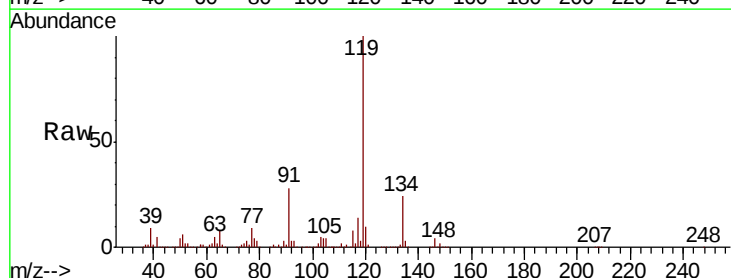
Tgt Ion:119 Resp: 477956

Ion Ratio Lower Upper

119 100

134 23.8 12.4 37.0

91 28.5 13.6 40.7

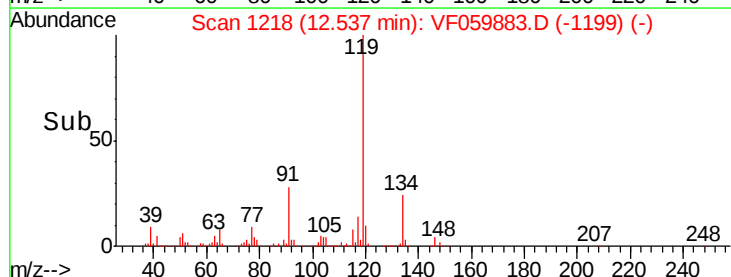


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.54



400000

300000

200000

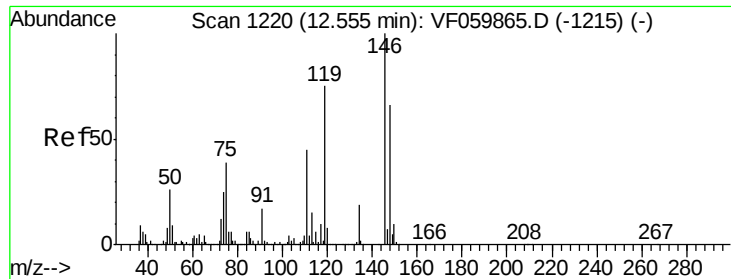
100000

0

Time-->

12.50

12.60



#87

1,3-Dichlorobenzene

Concen: 52.54 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059883.D

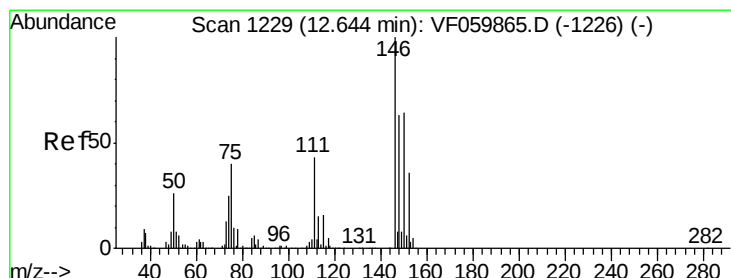
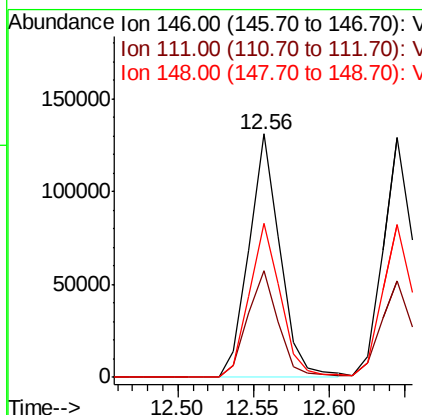
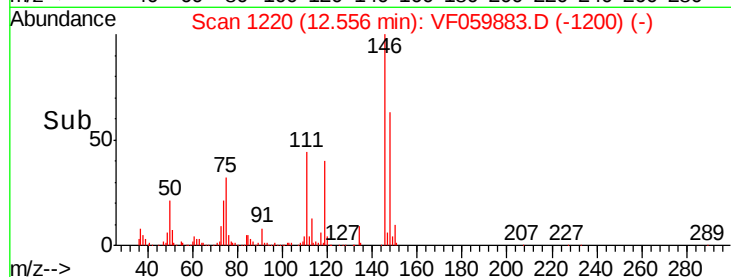
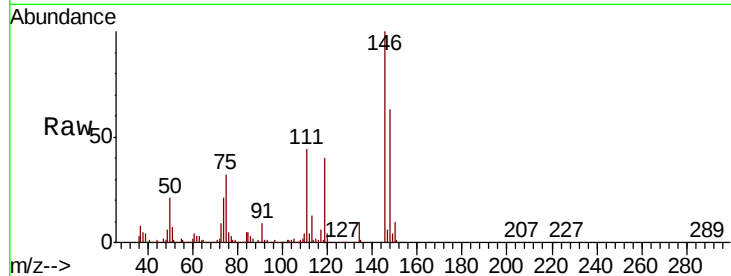
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.4	67.0
148	63.3	33.1	99.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.03 ug/l

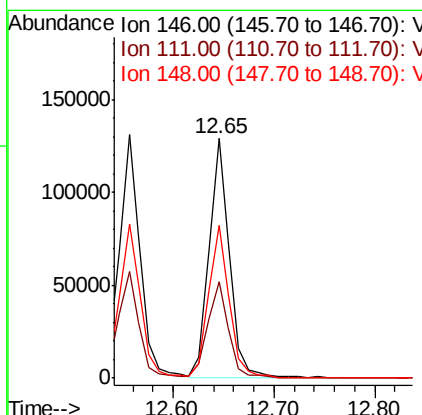
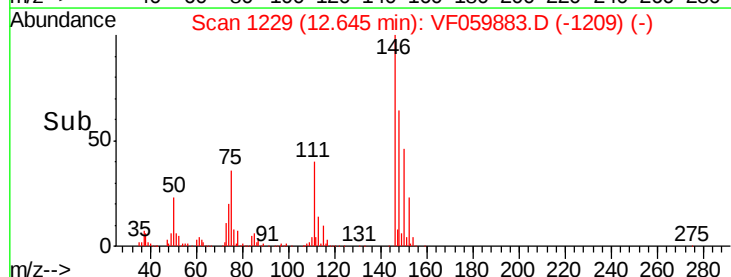
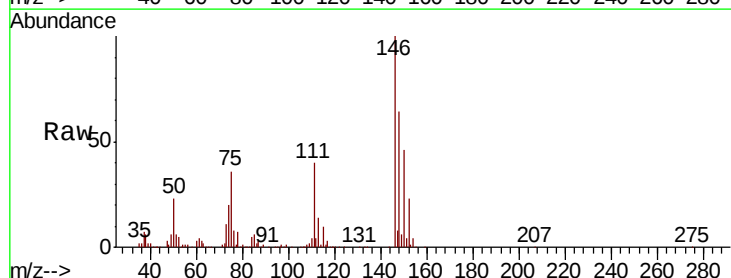
RT: 12.65 min Scan# 1229

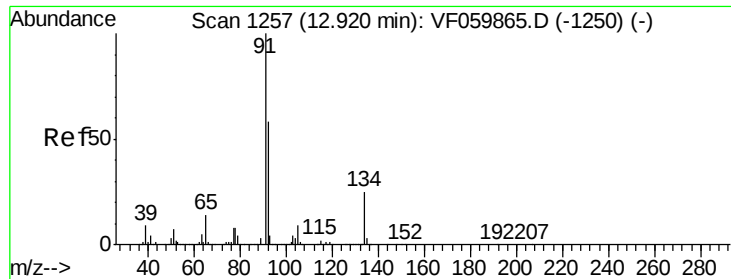
Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.4	64.2
148	63.7	31.6	94.7





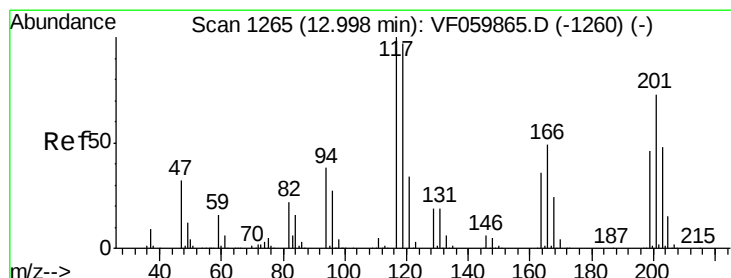
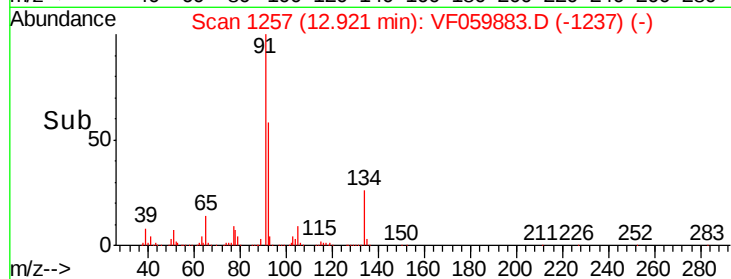
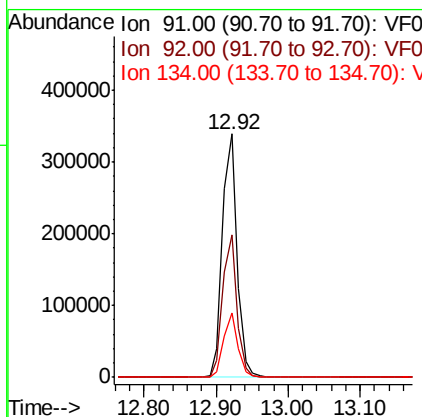
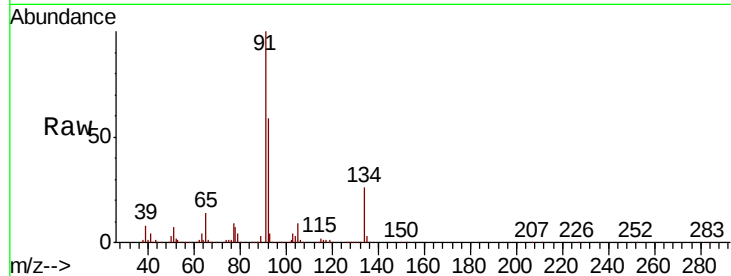
#89
n-Butylbenzene
Concen: 70.54 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.5	28.8	86.5
134	26.4	12.6	37.6

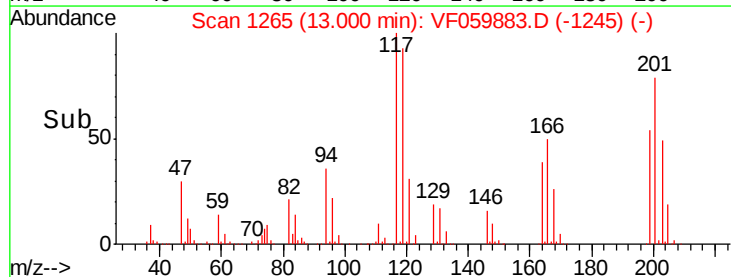
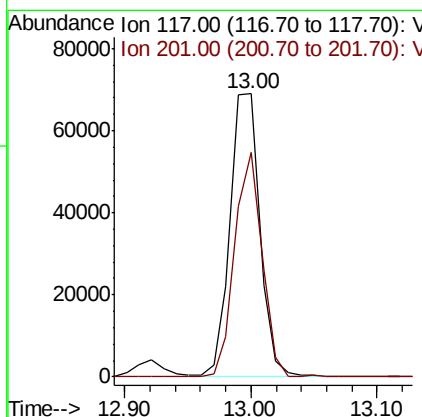
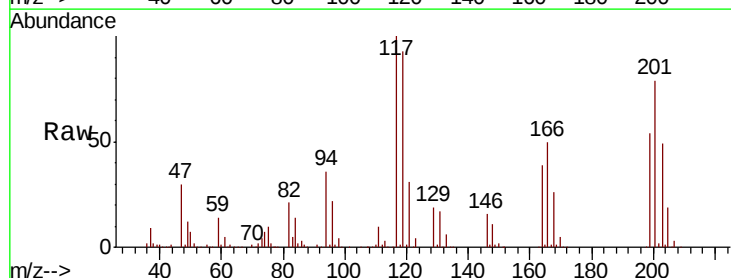
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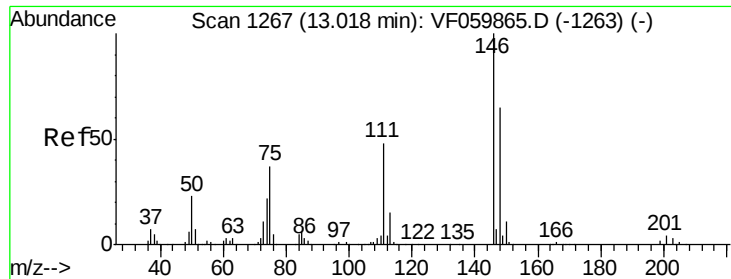
apatel
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#90
Hexachloroethane
Concen: 58.21 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059883.D
Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.4	36.6	109.8





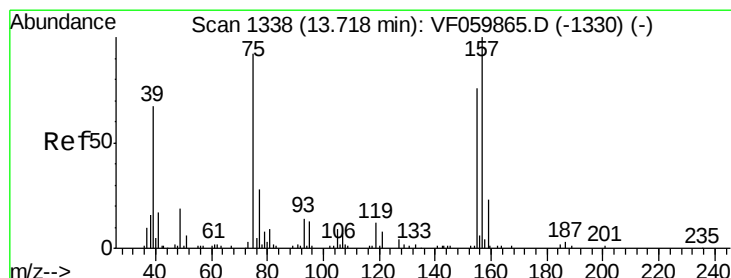
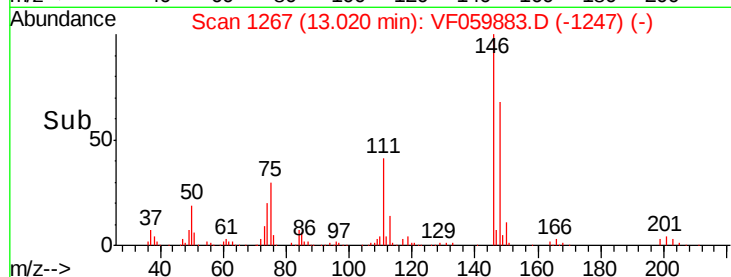
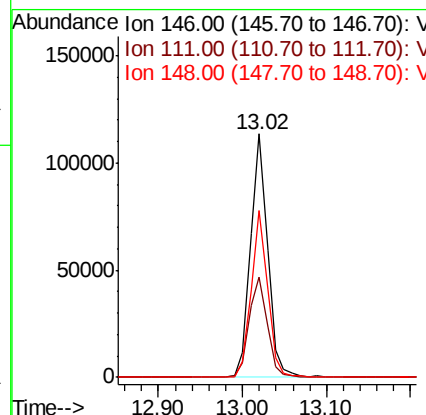
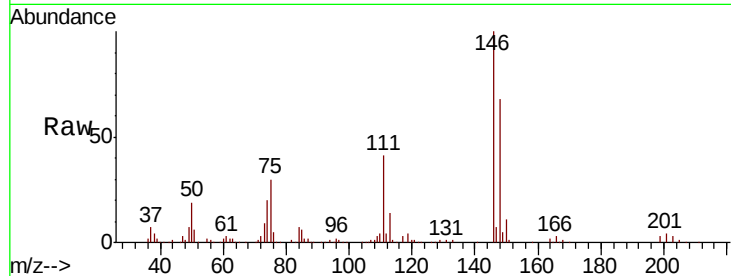
#91
 1,2-Dichlorobenzene
 Concen: 46.61 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	24.1	72.2
148	68.3	32.8	98.3

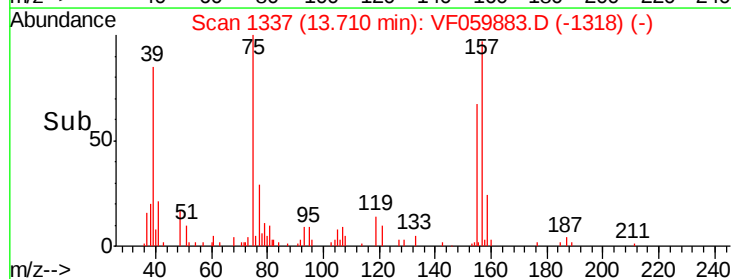
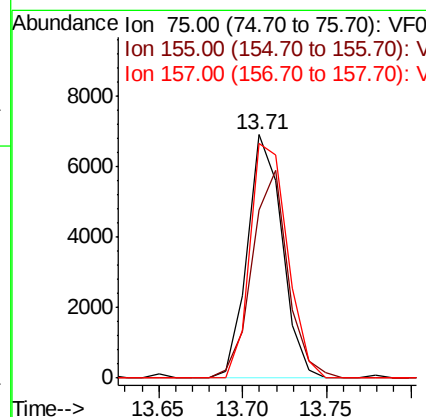
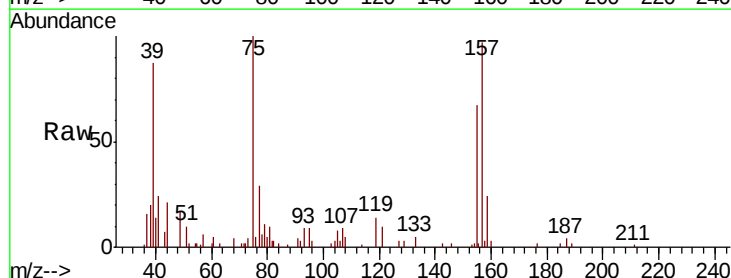
Manual Integrations
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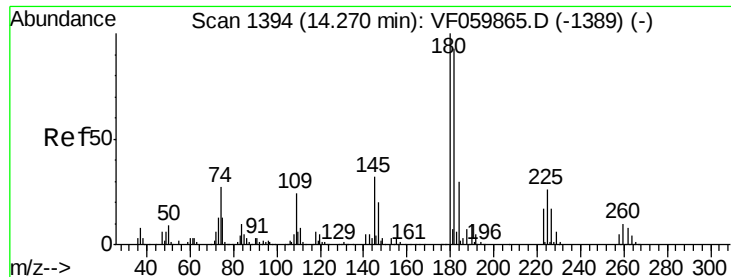
apatel
 8/7/2018 10:46:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 30.00 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	41.2	123.6
157	96.6	54.5	163.6





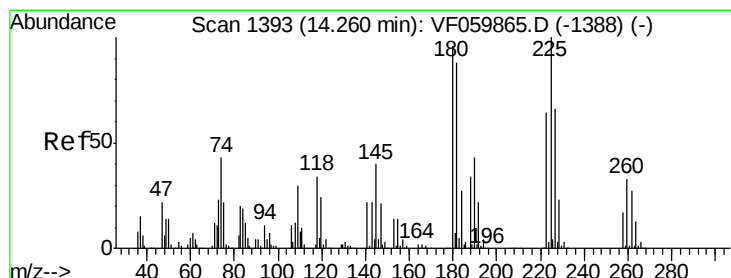
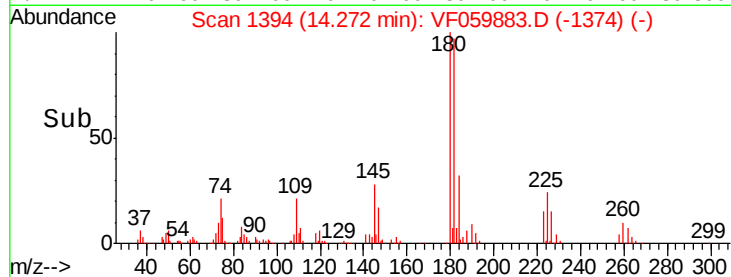
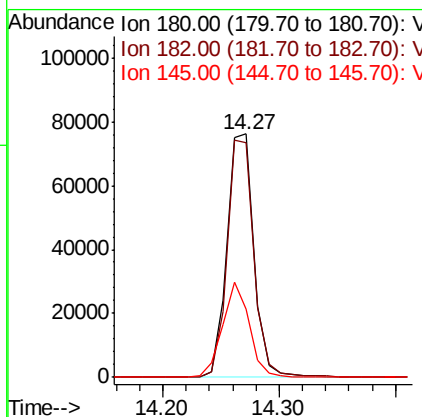
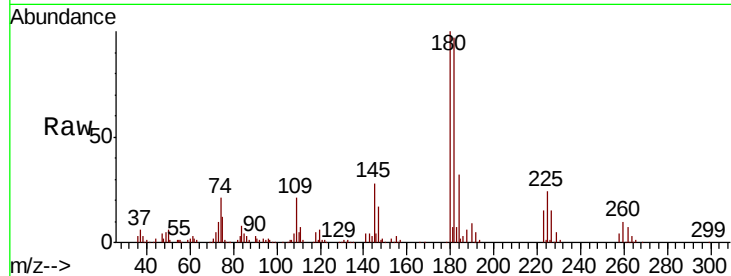
#93
 1,2,4-Trichlorobenzene
 Concen: 46.55 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.4	139.2
145	28.3	15.9	47.7

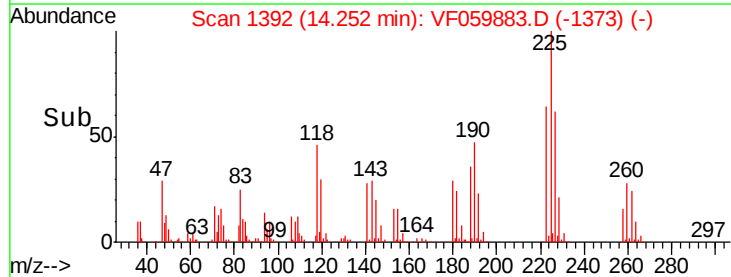
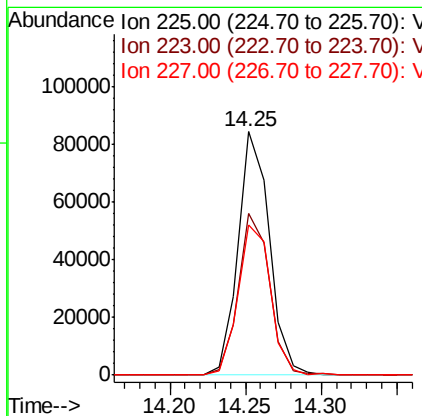
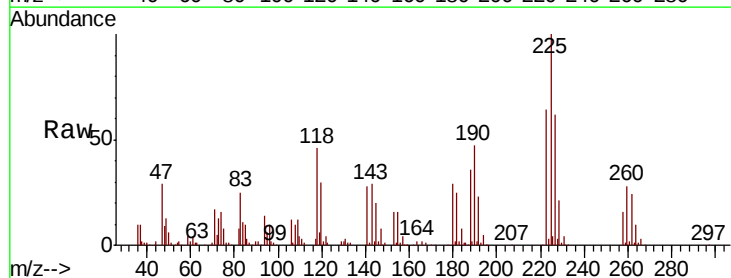
Manual Integrations
 APPROVED

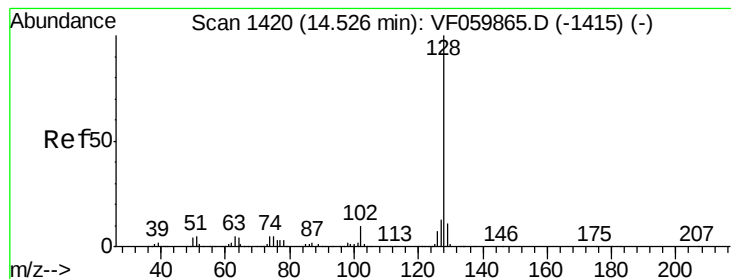
apatel
 8/7/2018 10:46:42 AM



#94
 Hexachlorobutadiene
 Concen: 65.24 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059883.D
 Acq: 6 Aug 2018 18:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.7	31.9	95.9
227	61.6	32.8	98.4





#95

Naphthalene

Concen: 33.55 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Instrument :

MSVOA_F

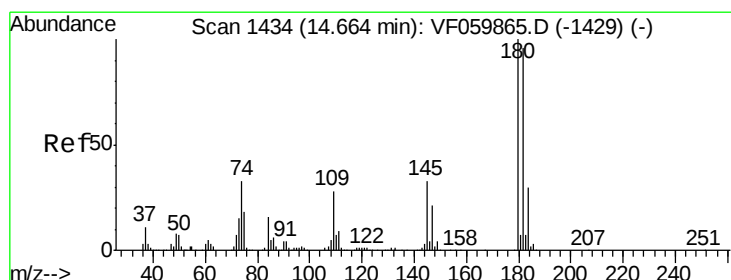
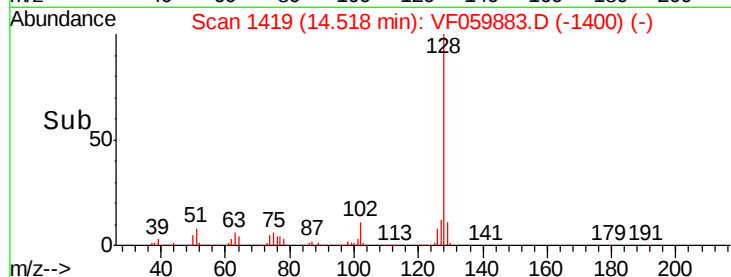
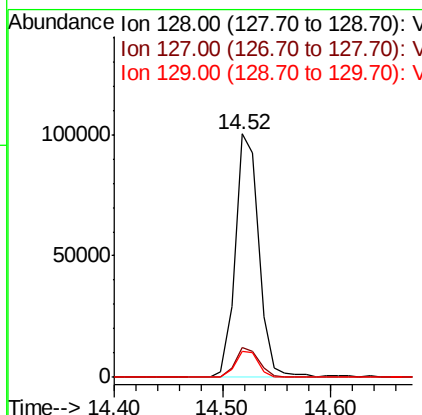
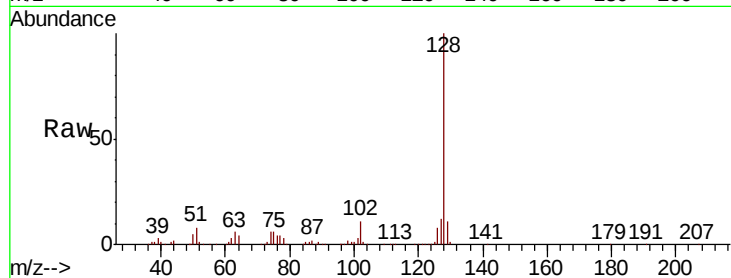
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	152610
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.4	15.6
129	10.9	9.0	13.6

Manual Integrations
APPROVED

apatel
8/7/2018 10:46:42 AM



#96

1,2,3-Trichlorobenzene

Concen: 42.91 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059883.D

Acq: 6 Aug 2018 18:17

Tgt Ion:	180	Resp:	111343
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.1	144.3
145	33.0	16.6	49.8

