

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080618\
 Data File : VF059885.D
 Acq On : 6 Aug 2018 19:40
 Operator : VA/AP
 Sample : VF0806SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

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

Quant Time: Aug 07 04:00:03 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	5.04	168	192414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	264735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	262303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	179147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	168399	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	4.30	113	133778	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	7.71	98	290852	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	11.51	95	169940	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.98	85	65142	19.81	ug/l	99
3) Chloromethane	1.08	50	30599	20.12	ug/l	92
4) Vinyl Chloride	1.15	62	30701	19.71	ug/l #	81
5) Bromomethane	1.34	94	29570	20.11	ug/l	92
6) Chloroethane	1.43	64	20370	20.82	ug/l #	86
7) Trichlorofluoromethane	1.53	101	68447m	16.05	ug/l	
8) Diethyl Ether	1.70	74	13001	19.21	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45340	19.27	ug/l	95
10) Methyl Iodide	1.96	142	71823	19.87	ug/l	90
11) Tert butyl alcohol	2.69	59	12823	91.64	ug/l	97
12) 1,1-Dichloroethene	1.85	96	33221	19.33	ug/l	87
13) Acrolein	2.10	56	7995	95.34	ug/l	89
14) Allyl chloride	2.19	41	56402	19.68	ug/l	98
15) Acrylonitrile	3.07	53	23413	91.31	ug/l	95
16) Acetone	2.33	43	77238	120.61	ug/l	99
17) Carbon Disulfide	1.88	76	88782	19.35	ug/l	94
18) Methyl Acetate	2.54	43	33592	31.09	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	92505	19.01	ug/l	99
20) Methylene Chloride	2.31	84	48064m	27.46	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	32601	19.09	ug/l	95
22) Diisopropyl ether	2.93	45	112062	20.33	ug/l	95
23) Vinyl Acetate	3.33	43	297427	111.45	ug/l	97
24) 1,1-Dichloroethane	2.99	63	77326	19.26	ug/l	96
25) 2-Butanone	4.51	43	76020	109.17	ug/l	97
26) 2,2-Dichloropropane	3.76	77	53063	22.70	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	36540	19.03	ug/l	77
28) Bromochloromethane	3.88	49	28057	19.79	ug/l	86
29) Tetrahydrofuran	4.26	42	28144	109.79	ug/l	92
30) Chloroform	4.03	83	104564	19.25	ug/l	94
31) Cyclohexane	3.85	56	41012	20.64	ug/l	89
32) 1,1,1-Trichloroethane	4.28	97	87273	20.09	ug/l	95
36) 1,1-Dichloropropene	4.45	75	59901	19.56	ug/l	98
37) Ethyl Acetate	4.29	43	27886	21.21	ug/l #	91
38) Carbon Tetrachloride	4.17	117	109186	24.91	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	49504	21.56	ug/l	98
40) Benzene	4.81	78	136546	24.44	ug/l	96
41) Methacrylonitrile	4.92	41	14236	20.52	ug/l	96
42) 1,2-Dichloroethane	5.11	62	86998	20.52	ug/l	97
43) Isopropyl Acetate	7.11	43	28442	21.01	ug/l #	94
44) Trichloroethene	5.67	130	44529	21.83	ug/l	94
45) 1,2-Dichloropropane	6.41	63	27581	19.63	ug/l	95
46) Dibromomethane	6.25	93	26811	18.91	ug/l	94
47) Bromodichloromethane	6.54	83	77565	20.00	ug/l	90
48) Methyl methacrylate	6.88	41	21784	20.68	ug/l	97
49) 1,4-Dioxane	6.86	88	2811	422.04	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	150391	108.65	ug/l	96
52) Toluene	7.78	92	82194	21.25	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	66183	22.44	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	64219	21.09	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	29770	21.38	ug/l	90
56) Ethyl methacrylate	8.76	69	28772	20.94	ug/l	88
57) 1,3-Dichloropropane	9.00	76	50425	21.09	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	21742	118.04	ug/l	100
59) 2-Hexanone	9.63	43	108076	110.53	ug/l	94
60) Dibromochloromethane	8.86	129	57862	22.15	ug/l	98
61) 1,2-Dibromoethane	9.14	107	36197	21.34	ug/l	96
64) Tetrachloroethene	8.30	164	44660	19.74	ug/l	93
65) Chlorobenzene	9.94	112	105883	19.89	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	54324	20.51	ug/l	93
67) Ethyl Benzene	10.03	91	201923	21.77	ug/l	98
68) m/p-Xylenes	10.27	106	146319	45.63	ug/l	94
69) o-Xylene	10.83	106	75015	22.09	ug/l	99
70) Styrene	10.90	104	111447	21.99	ug/l	98
71) Bromoform	10.89	173	34476	21.24	ug/l	97
73) Isopropylbenzene	11.23	105	240518	21.56	ug/l	99
74) N-amyl acetate	11.46	43	54262	21.45	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	43820	20.92	ug/l	87
76) 1,2,3-Trichloropropane	11.89	75	35389	19.67	ug/l	85
77) Bromobenzene	11.59	156	62143	20.48	ug/l	86
78) n-propylbenzene	11.69	91	291765	22.14	ug/l	97
79) 2-Chlorotoluene	11.81	91	181997	21.83	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	226189	21.83	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	22343	34.57	ug/l	90
82) 4-Chlorotoluene	11.98	91	192845	21.31	ug/l	95
83) tert-Butylbenzene	12.21	119	219948	21.81	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	230295	21.61	ug/l	100
85) sec-Butylbenzene	12.39	105	326510	24.36	ug/l	98
86) p-Isopropyltoluene	12.54	119	259681	23.05	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	120950	21.04	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	118746	21.04	ug/l	99
89) n-Butylbenzene	12.92	91	256357	23.88	ug/l	97
90) Hexachloroethane	12.99	117	68157	21.93	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	123259	22.28	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10566	20.01	ug/l	76

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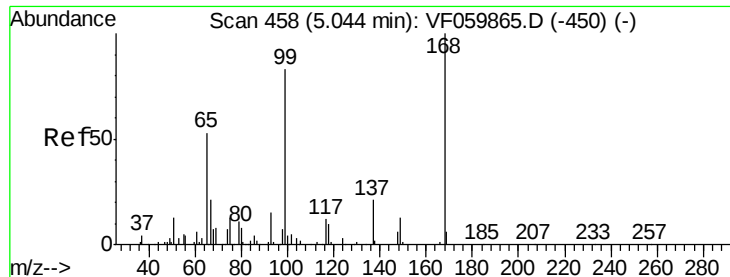
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	92490	22.02	ug/l	96
94) Hexachlorobutadiene	14.25	225	71236	24.00	ug/l	95
95) Naphthalene	14.53	128	151203	20.79	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	91938	22.16	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion:168 Resp: 192414

Ion Ratio Lower Upper

168 100

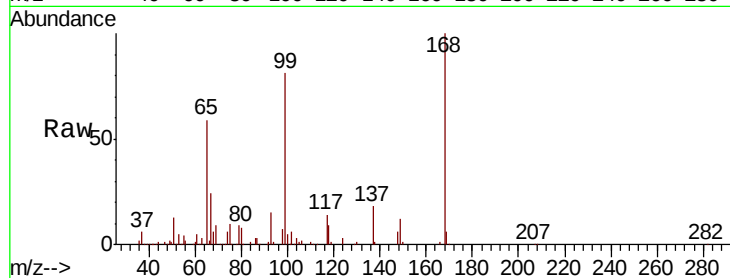
99 80.7 66.3 99.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

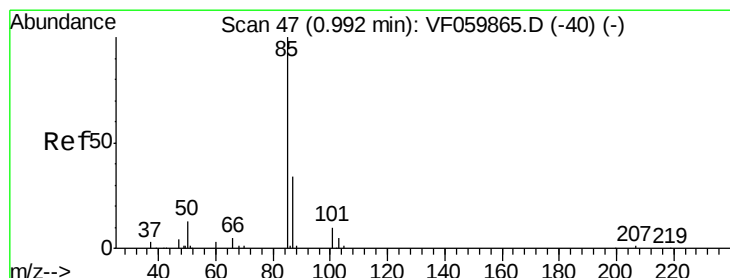
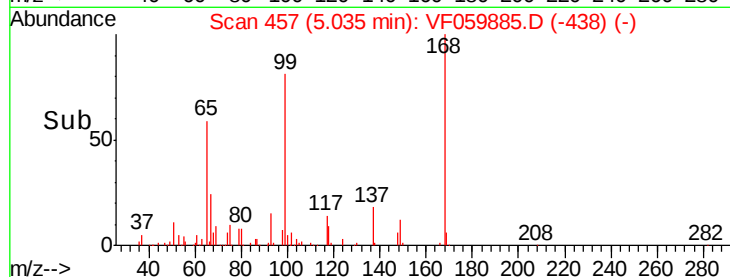
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.81 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059885.D

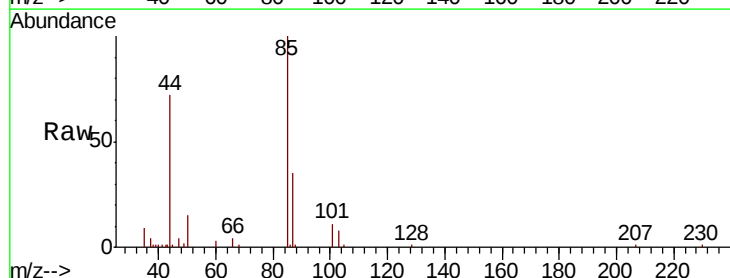
Acq: 6 Aug 2018 19:40

Tgt Ion: 85 Resp: 65142

Ion Ratio Lower Upper

85 100

87 34.6 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

20000

15000

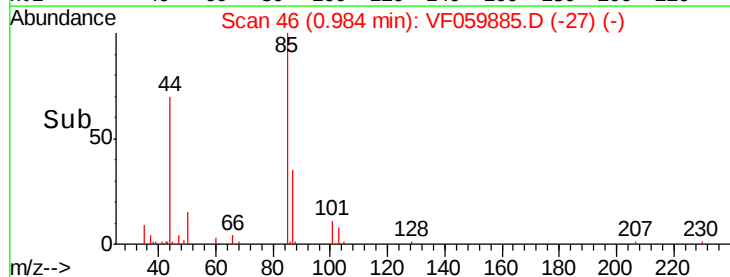
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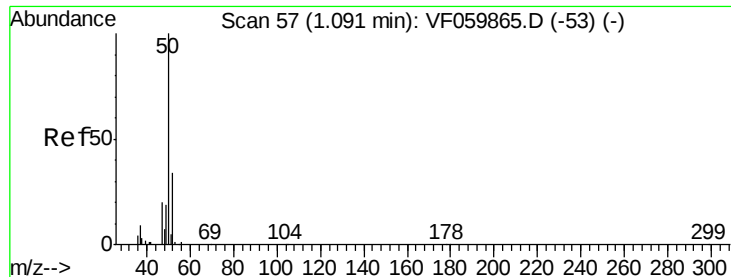
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 20.12 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 50 Resp: 30599

Ion Ratio Lower Upper

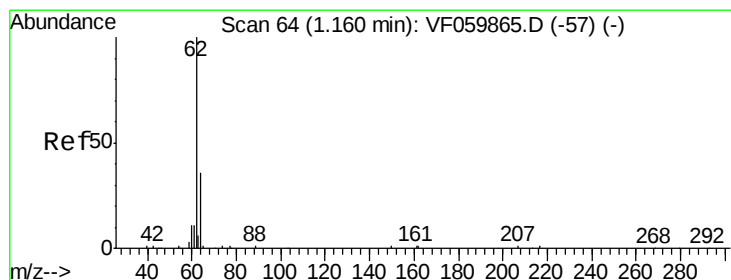
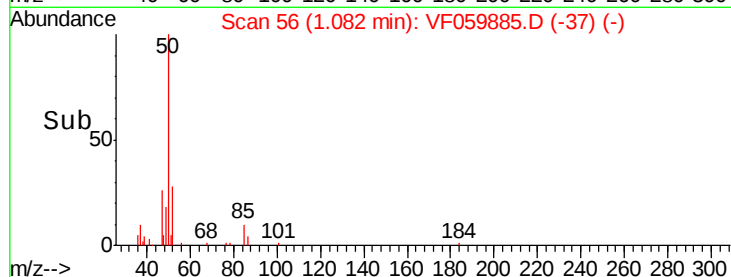
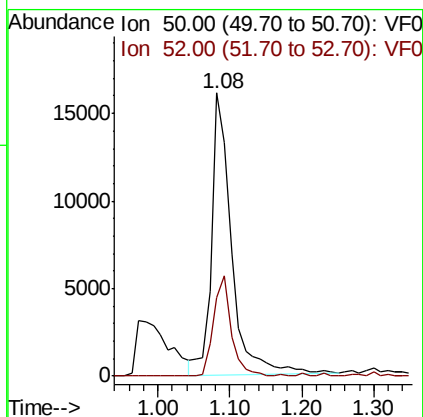
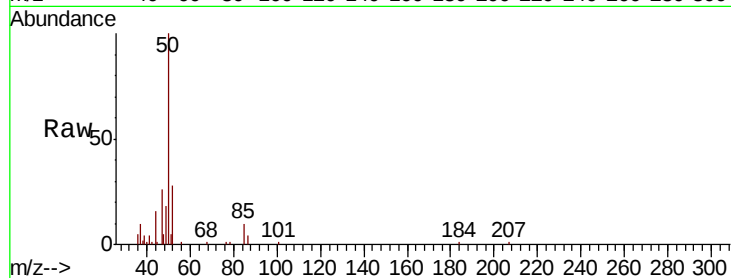
50 100

52 27.8 25.8 38.8

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#4

Vinyl Chloride

Concen: 19.71 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059885.D

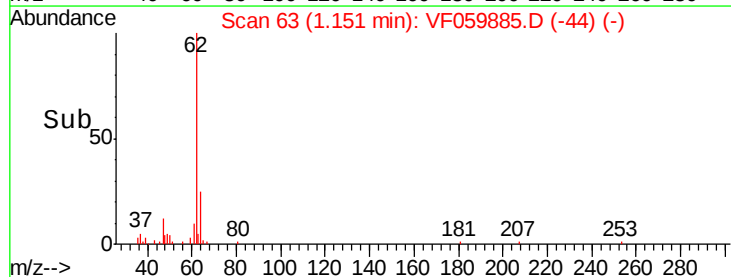
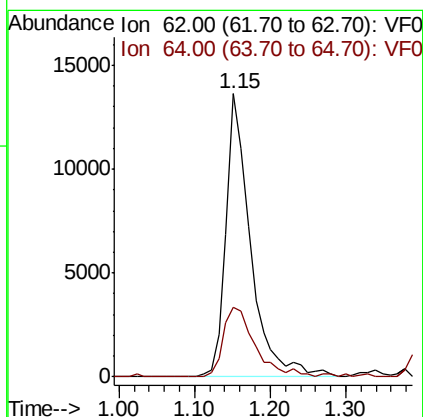
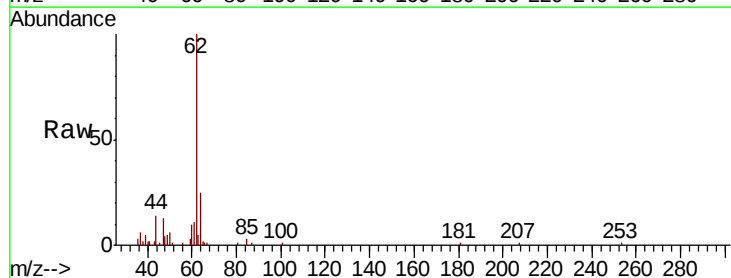
Acq: 6 Aug 2018 19:40

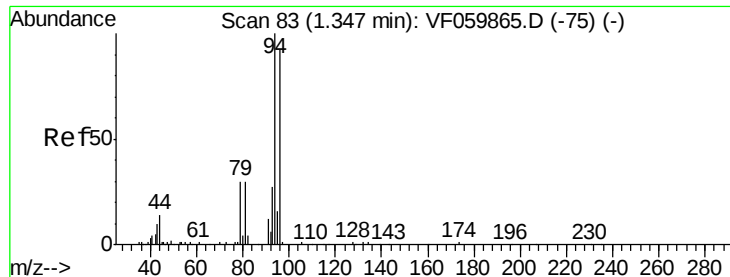
Tgt Ion: 62 Resp: 30701

Ion Ratio Lower Upper

62 100

64 24.6 28.5 42.7#





#5

Bromomethane

Concen: 20.11 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 94 Resp: 29570

Ion Ratio Lower Upper

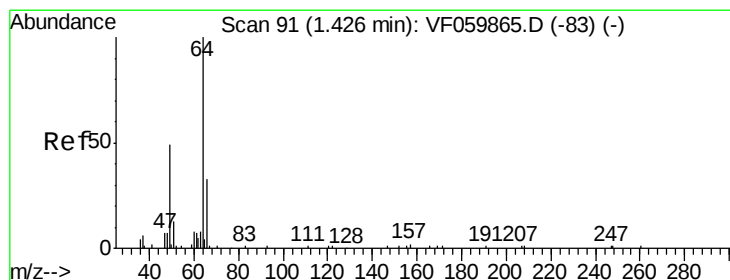
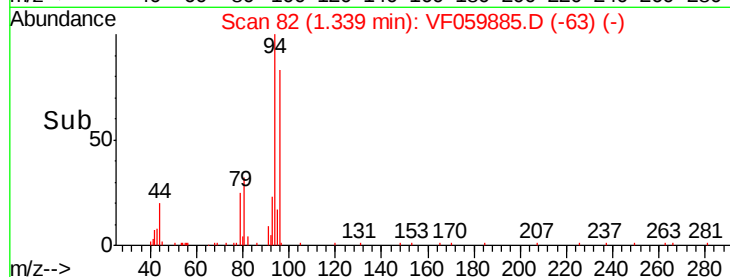
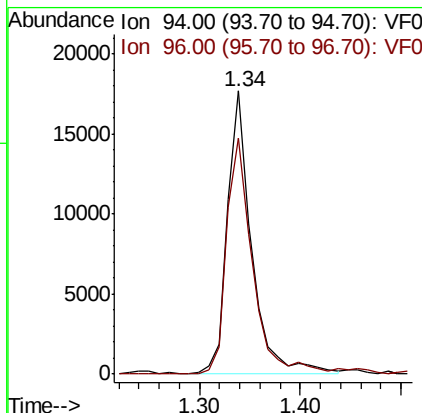
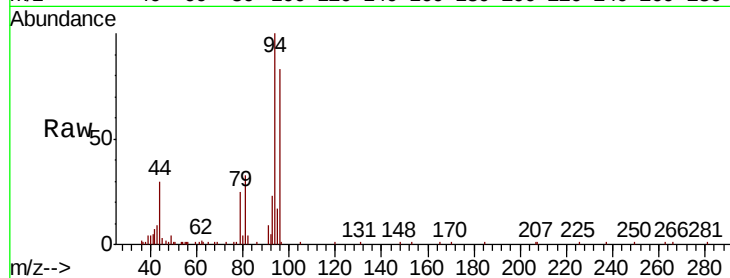
94 100

96 84.2 73.8 110.8

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#6

Chloroethane

Concen: 20.82 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059885.D

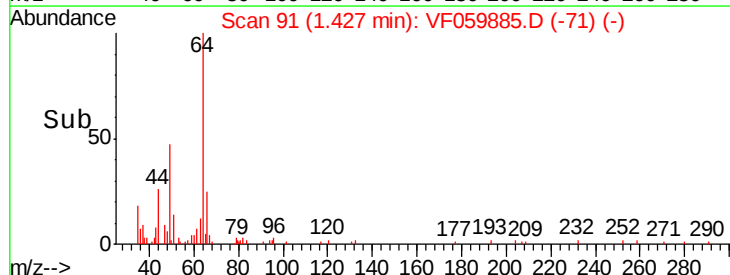
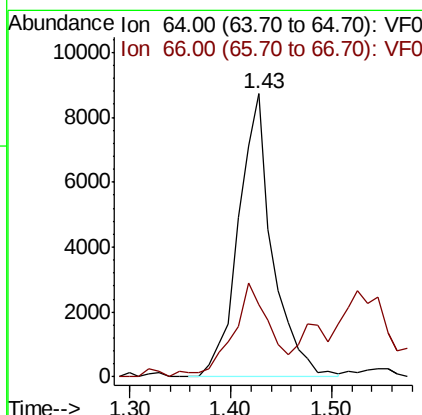
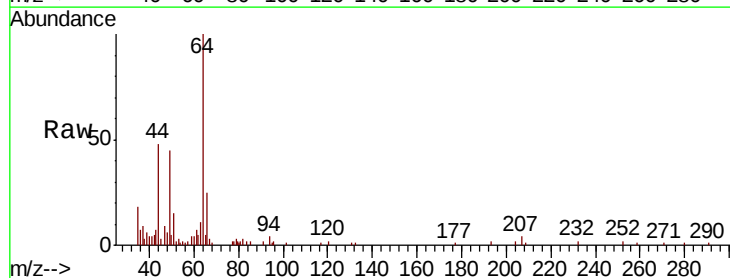
Acq: 6 Aug 2018 19:40

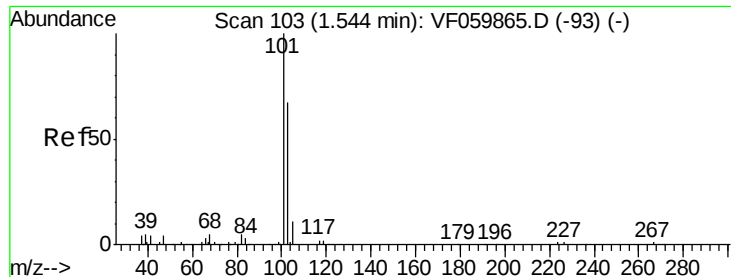
Tgt Ion: 64 Resp: 20370

Ion Ratio Lower Upper

64 100

66 25.4 26.9 40.3#





#7

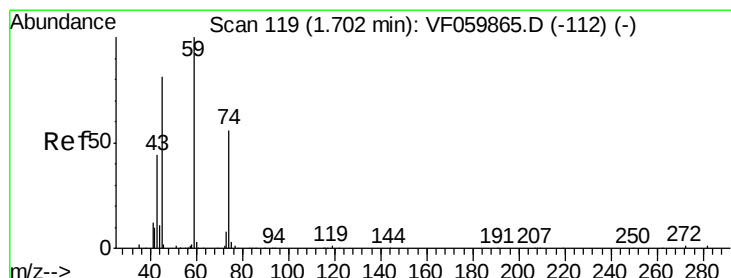
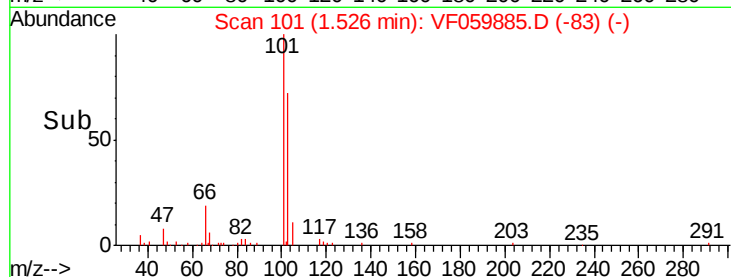
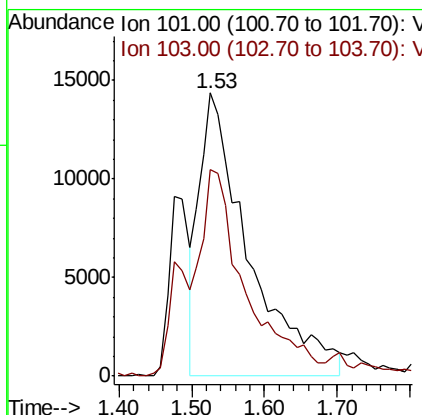
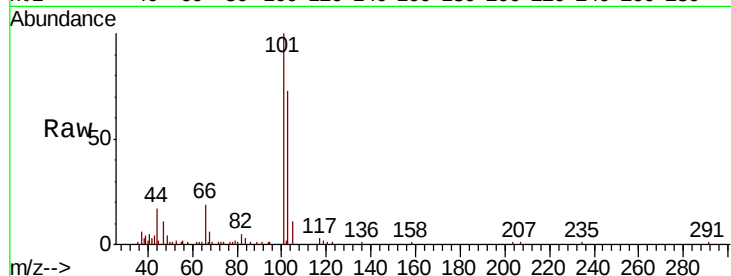
Trichlorofluoromethane
 Concen: 16.05 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.02 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
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 ClientSampleId :
 VF0806SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	73.0	53.6	80.4

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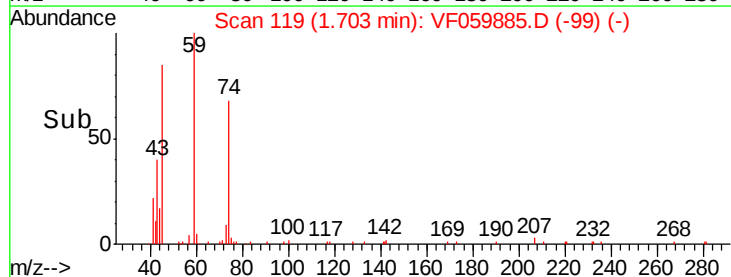
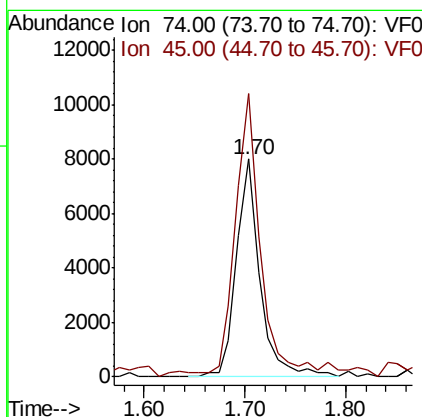
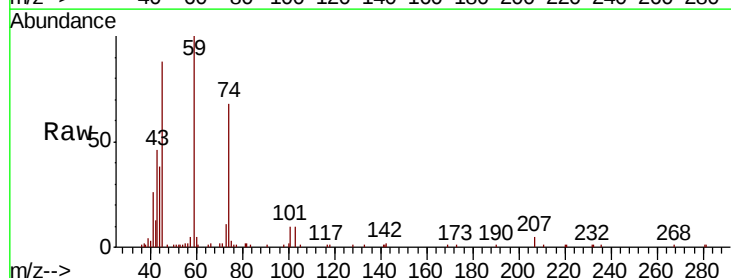
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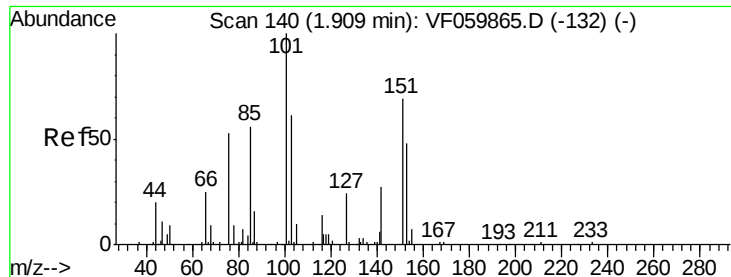


#8

Diethyl Ether
 Concen: 19.21 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	130.0	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.27 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

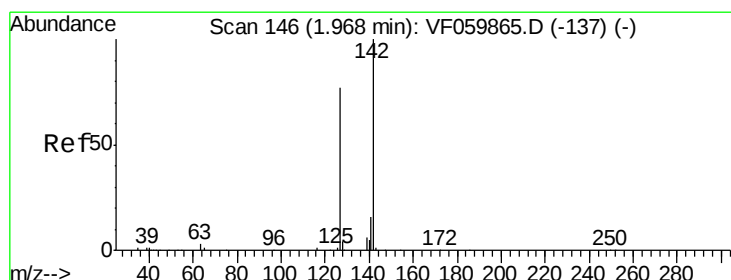
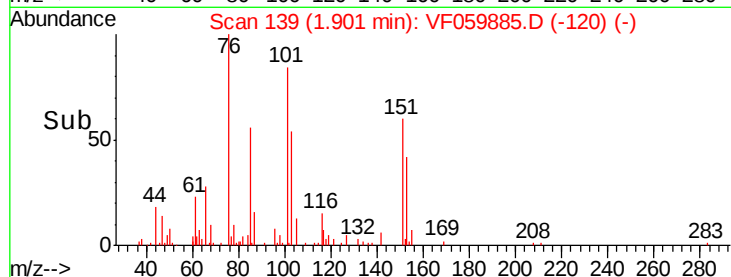
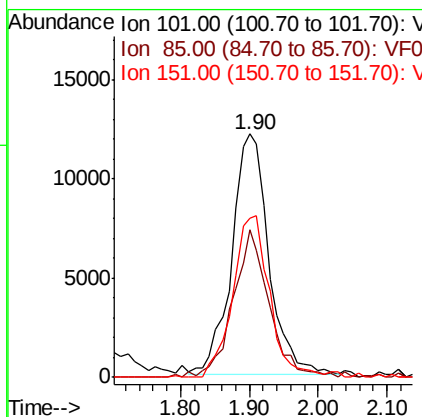
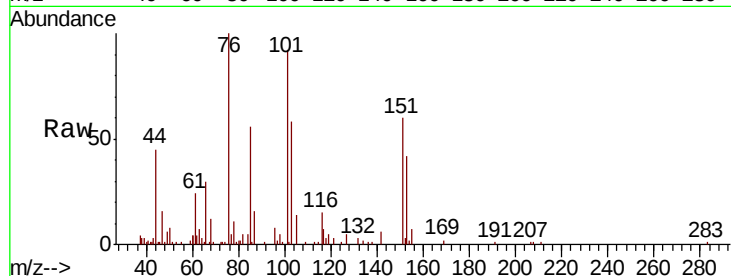
ClientSampleId :

VF0806SBS01

Tot Ion:	101	Resp:	45340
Ion Ratio	Lower	Upper	
101	100		
85	60.9	44.5	66.7
151	65.2	53.8	80.8

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#10

Methyl Iodide

Concen: 19.87 ug/l

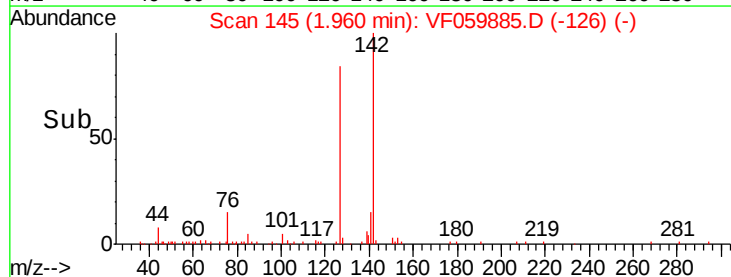
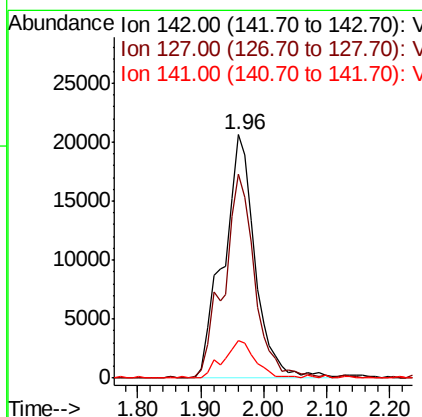
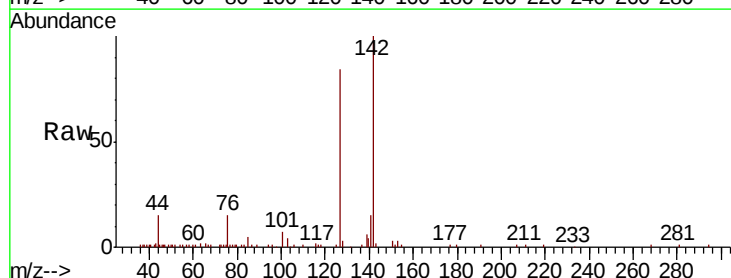
RT: 1.96 min Scan# 145

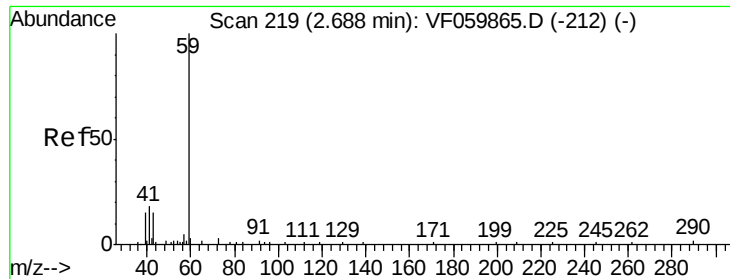
Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion:	142	Resp:	71823
Ion Ratio	Lower	Upper	
142	100		
127	86.5	61.5	92.3
141	15.3	13.0	19.4





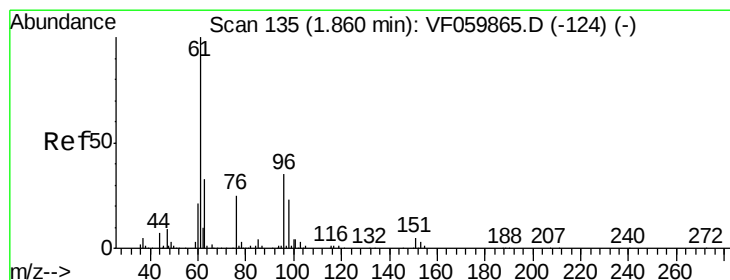
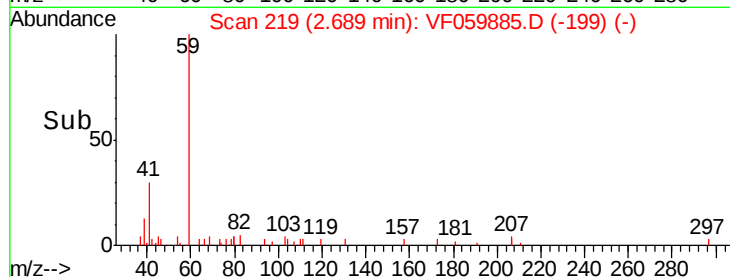
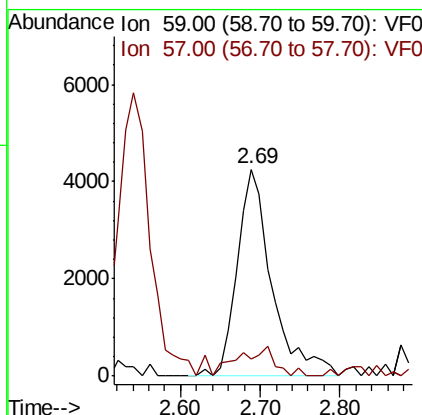
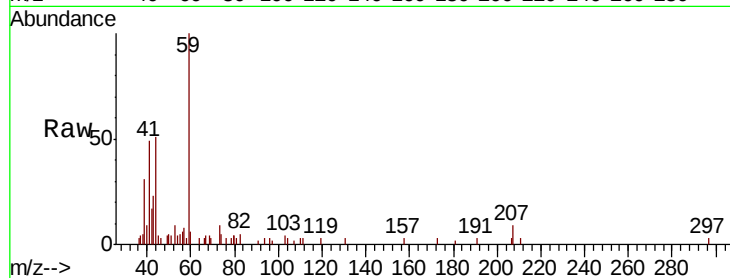
#11
Tert butyl alcohol
Concen: 91.64 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	7.6	11.4

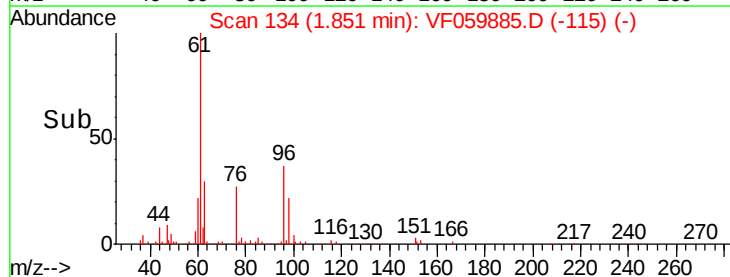
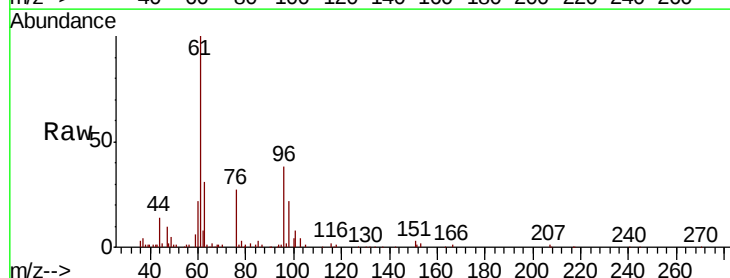
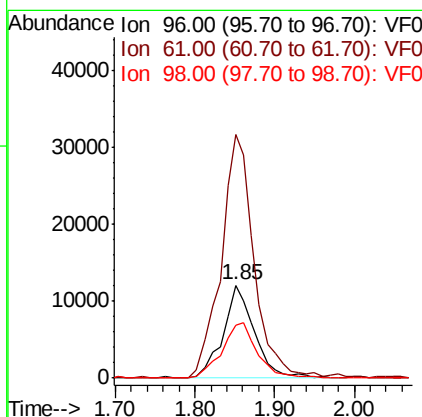
Manual Integrations
APPROVED

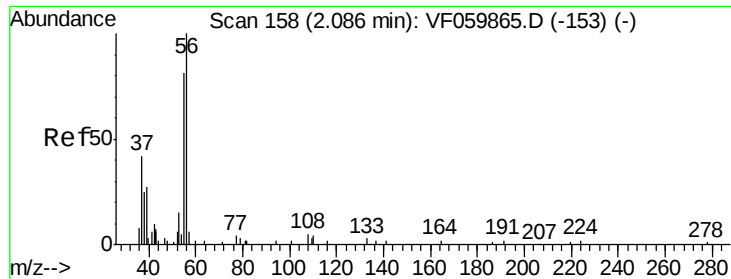
apatel
8/7/2018 10:46:46 AM



#12
1,1-Dichloroethene
Concen: 19.33 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	262.9	230.2	345.2
98	56.8	52.7	79.1





#13

Acrolein

Concen: 95.34 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 56 Resp: 7995

Ion Ratio Lower Upper

56 100

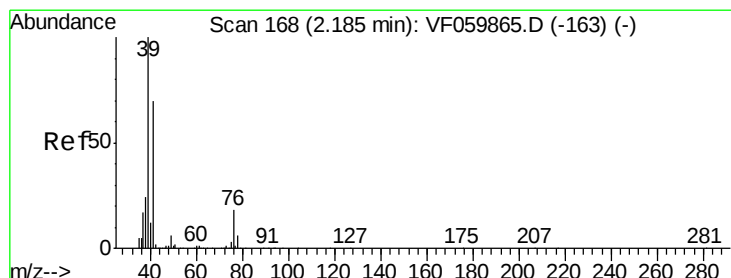
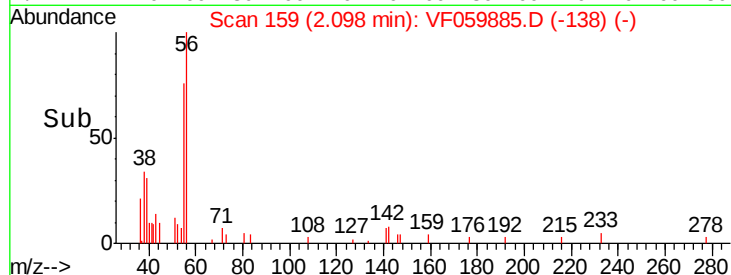
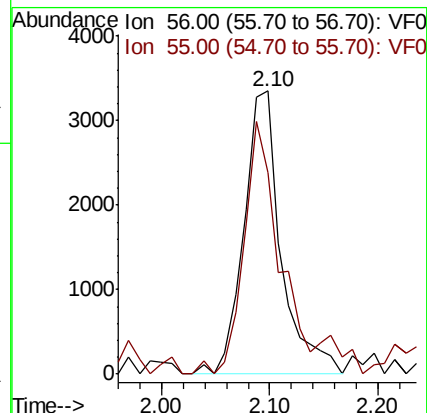
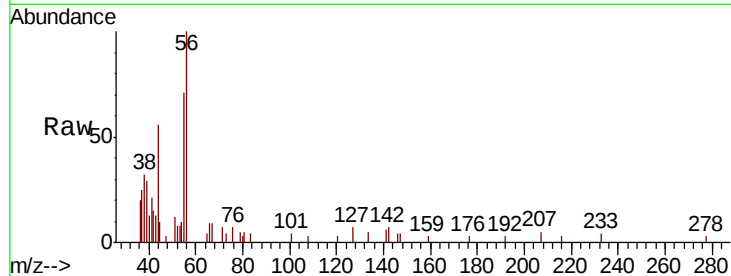
55 71.3 64.6 96.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.68 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

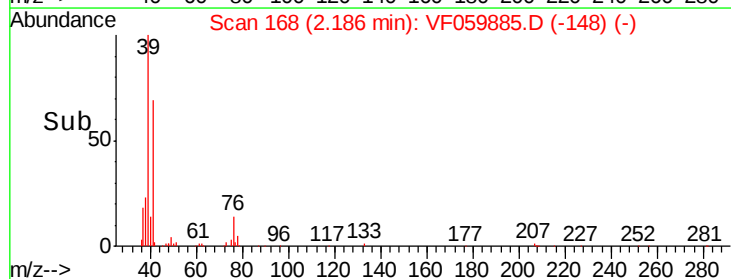
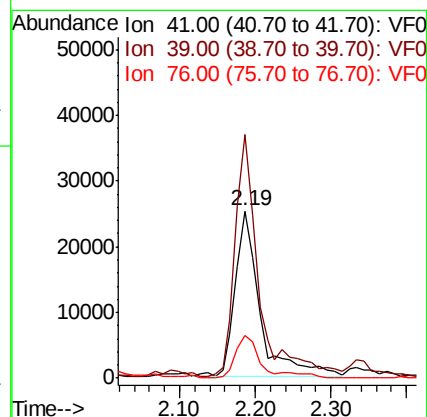
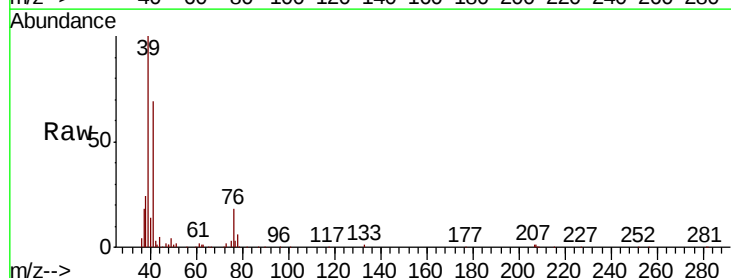
Tgt Ion: 41 Resp: 56402

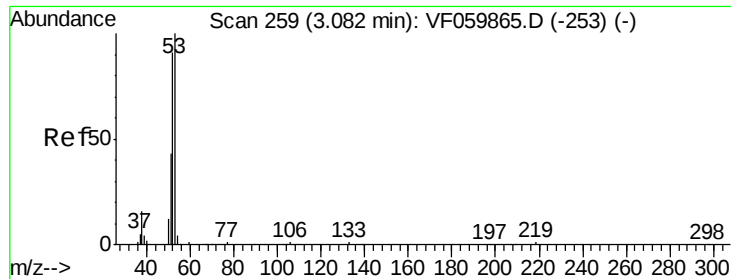
Ion Ratio Lower Upper

41 100

39 145.8 114.6 171.8

76 25.7 21.0 31.4





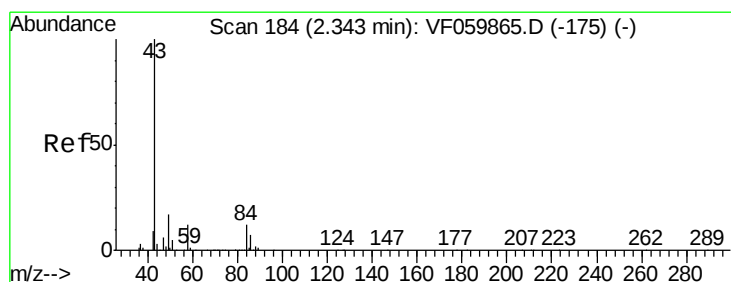
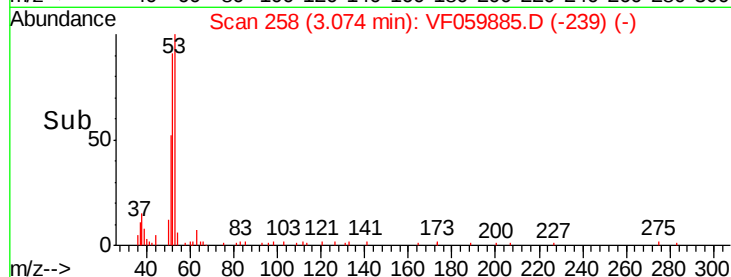
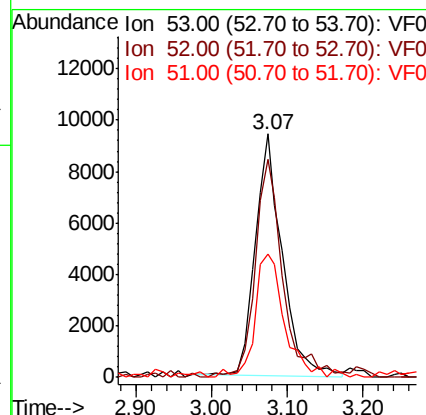
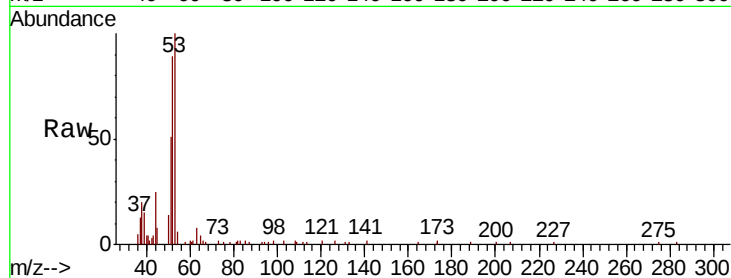
#15
Acrylonitrile
Concen: 91.31 ug/l
RT: 3.07 min Scan# 258
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	89.4	72.9	109.3
51	50.8	34.5	51.7

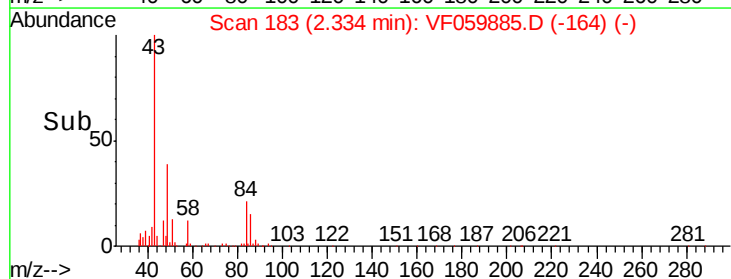
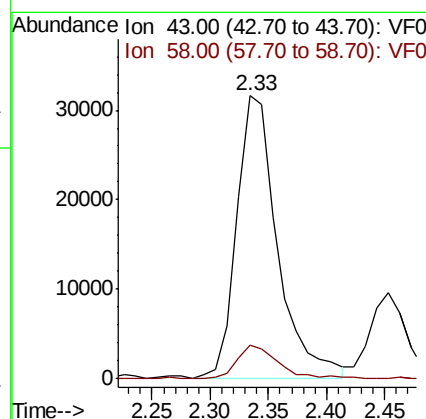
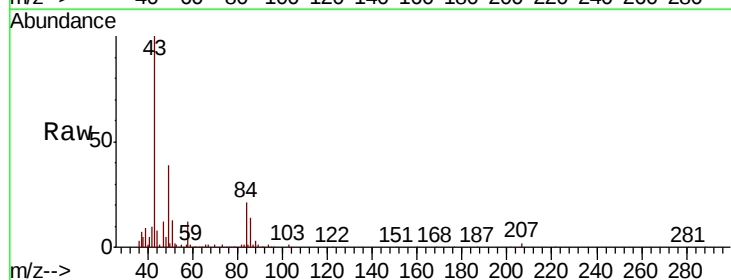
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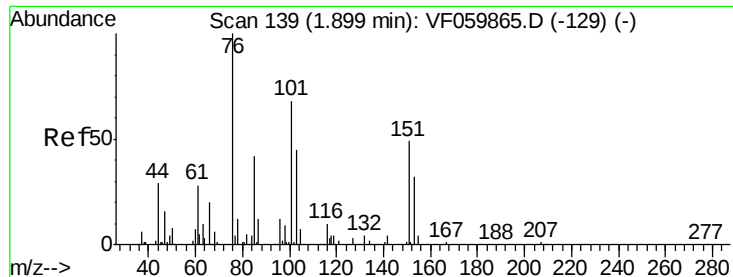
apatel
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#16
Acetone
Concen: 120.61 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	12.1	9.4	14.0





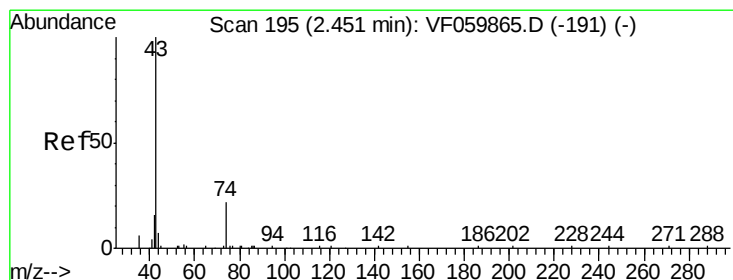
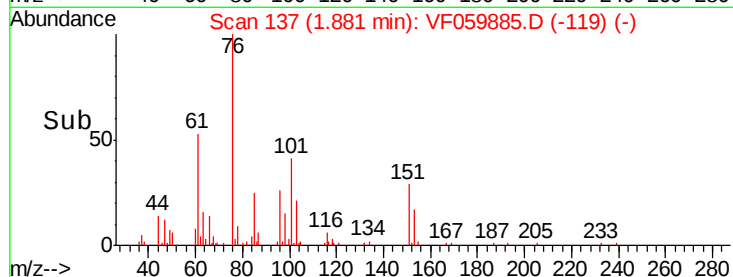
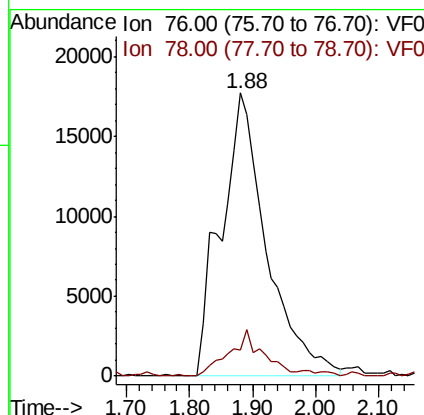
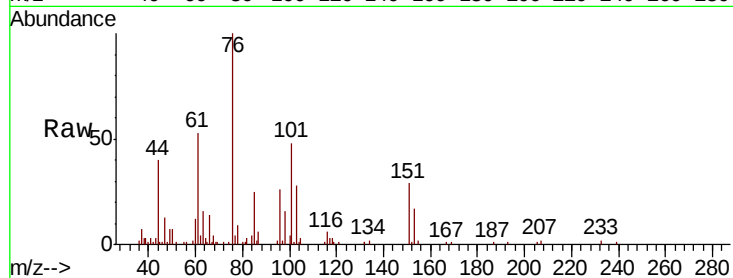
#17
Carbon Disulfide
Concen: 19.35 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.02 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	9.3	13.9

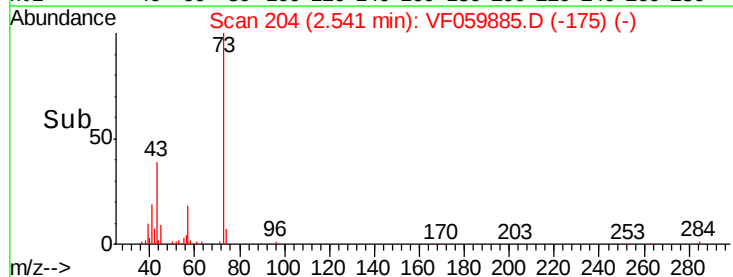
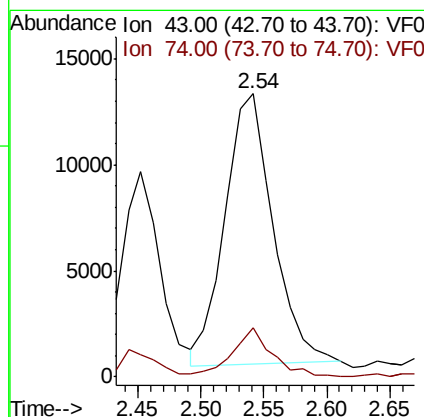
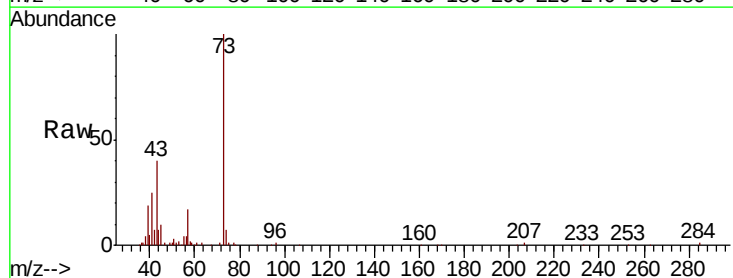
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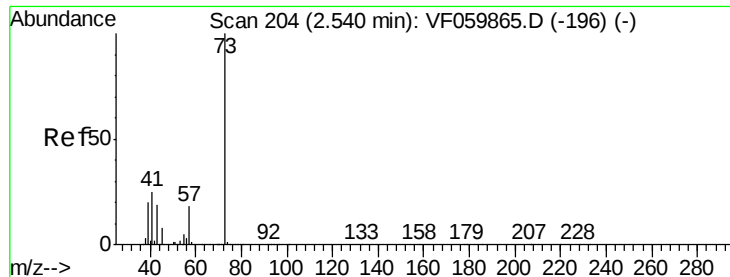
apatel
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#18
Methyl Acetate
Concen: 31.09 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.09 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.2	16.3	24.5





#19

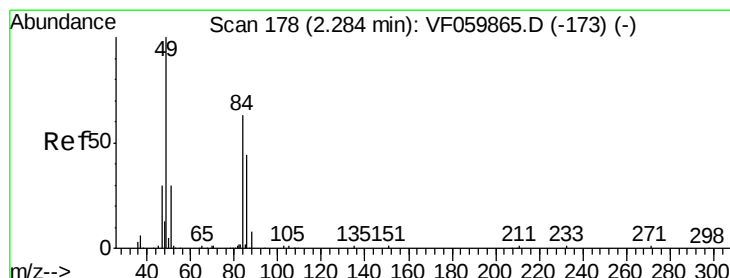
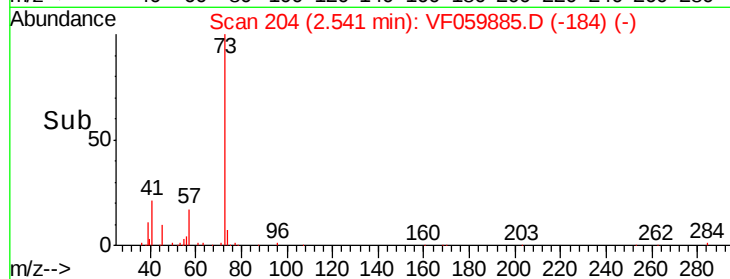
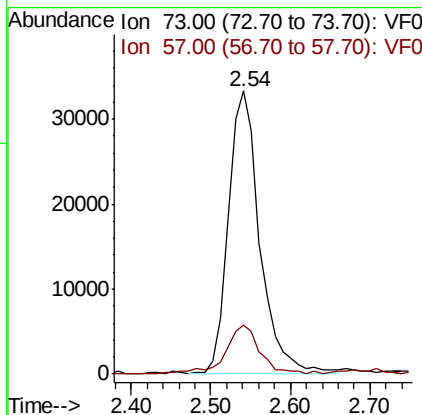
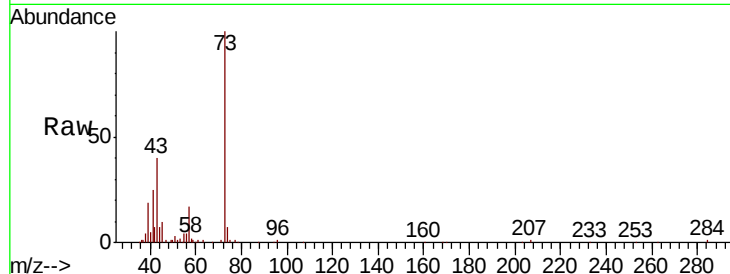
Methyl tert-butyl Ether
 Concen: 19.01 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	14.3	21.5

Manual Integrations
 APPROVED

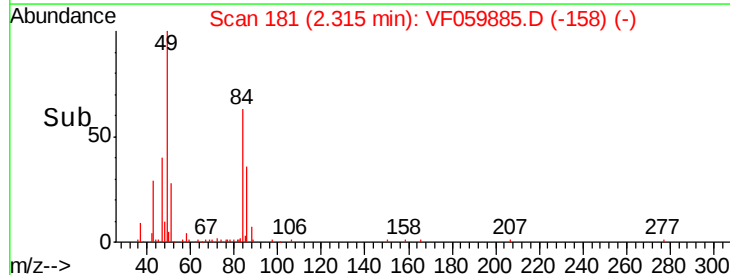
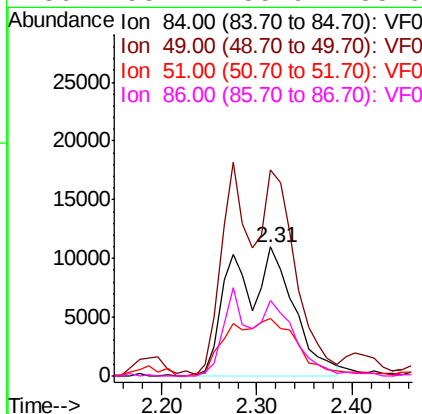
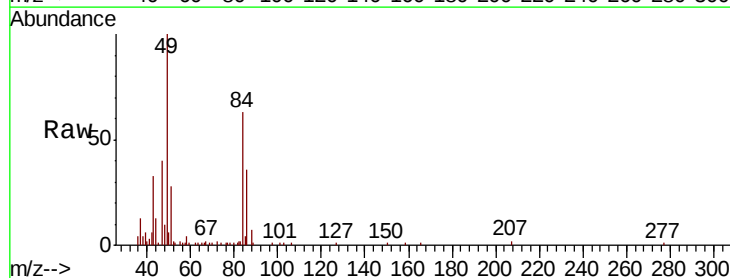
apatel
 8/7/2018 10:46:46 AM

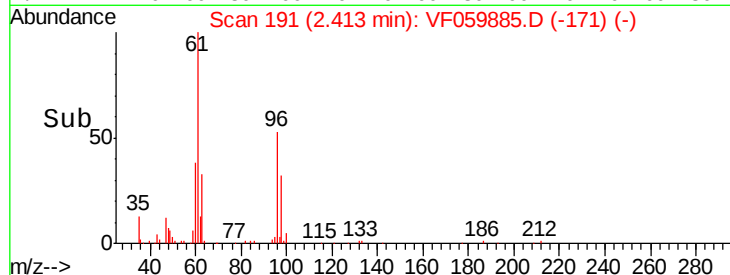
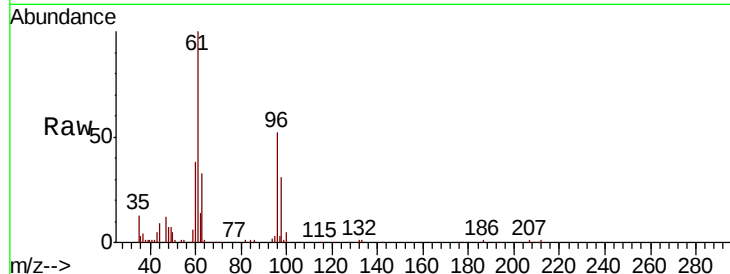
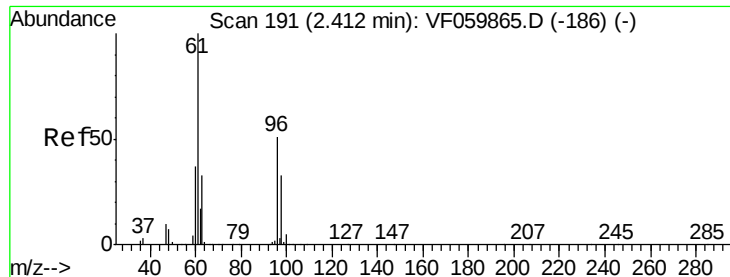


#20

Methylene Chloride
 Concen: 27.46 ug/l m
 RT: 2.31 min Scan# 181
 Delta R.T. 0.03 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.7	128.7	193.1
51	44.2	39.3	58.9
86	58.2	55.9	83.9





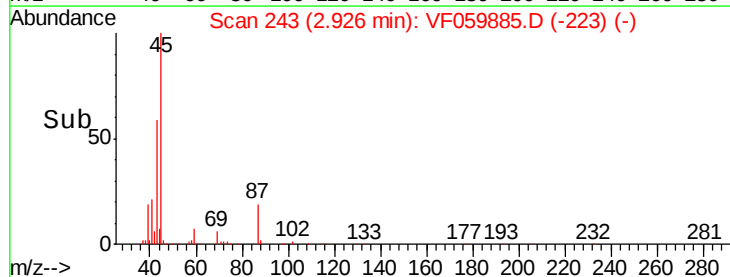
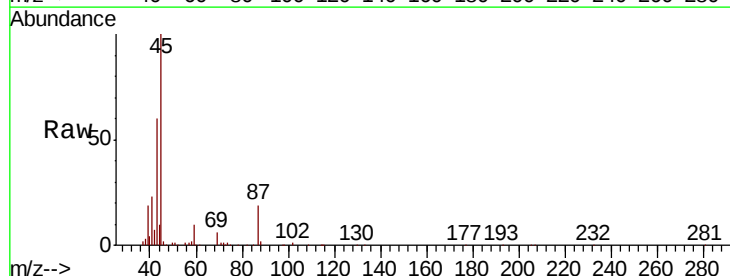
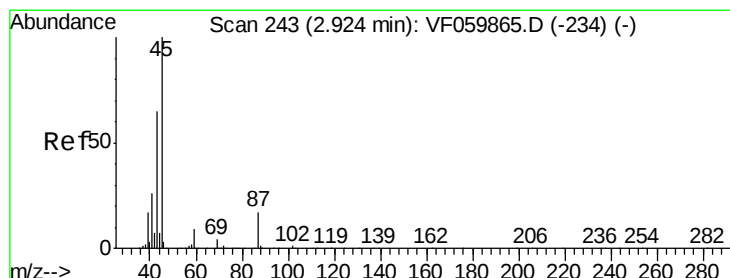
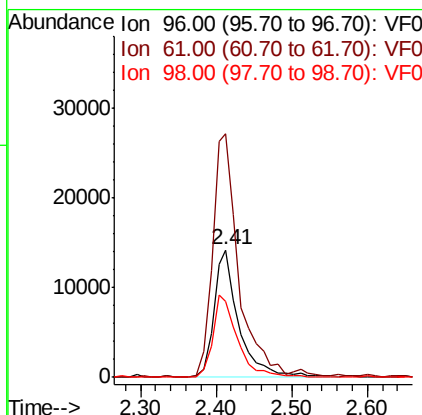
#21
trans-1,2-Dichloroethene
Concen: 19.09 ug/l
RT: 2.41 min Scan# 191
Delta R.T. 0.00 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tot Ion	Ratio	Lower	Upper
96	100		
61	190.8	158.2	237.4
98	59.9	52.0	78.0

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

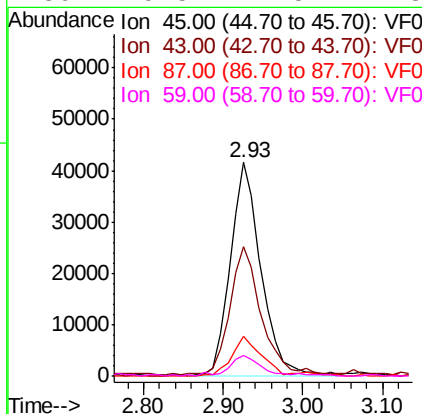
Manual Integrations
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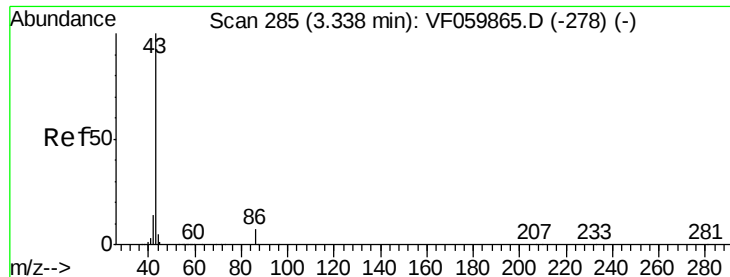
apatel
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#22
Diisopropyl ether
Concen: 20.33 ug/l
RT: 2.93 min Scan# 243
Delta R.T. 0.00 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	52.1	78.1
87	18.7	13.8	20.8
59	9.5	7.5	11.3





#23

Vinyl Acetate

Concen: 111.45 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 43 Resp: 297427

Ion Ratio Lower Upper

43 100

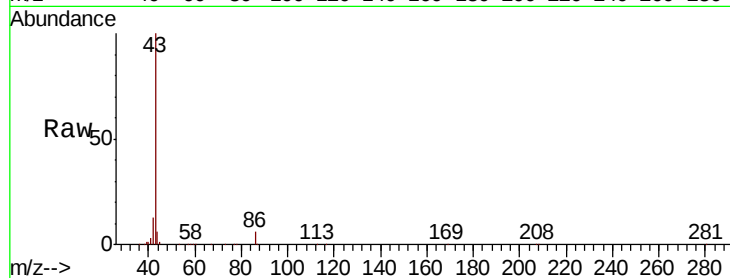
86 6.1 5.6 8.4

Manual Integrations

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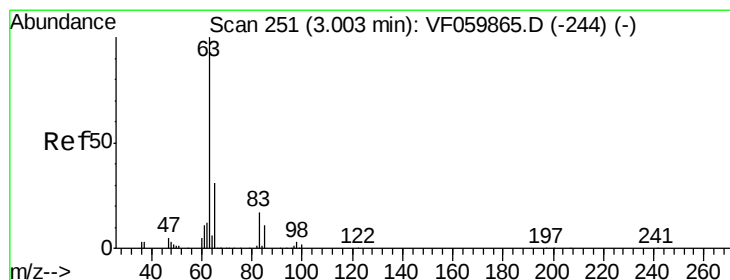
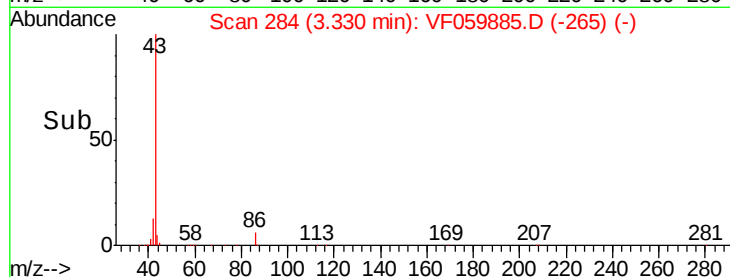
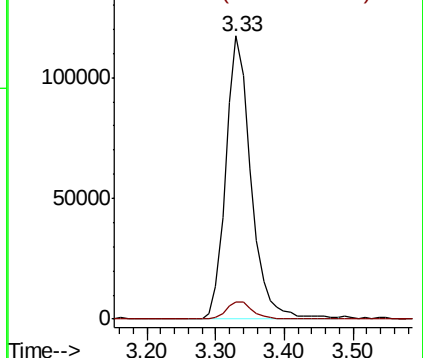
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 19.26 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

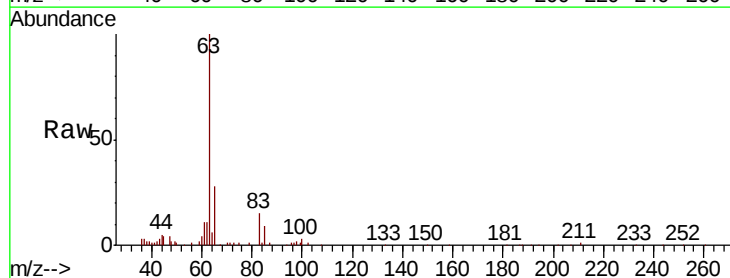
Tgt Ion: 63 Resp: 77326

Ion Ratio Lower Upper

63 100

98 2.2 1.9 5.7

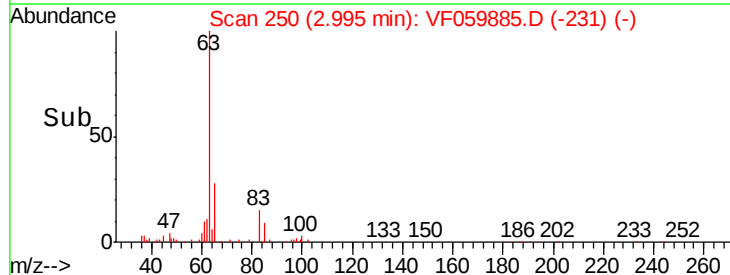
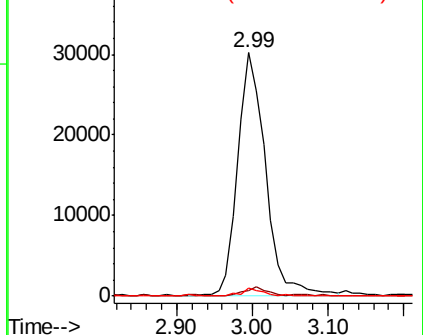
100 3.3 1.1 3.5

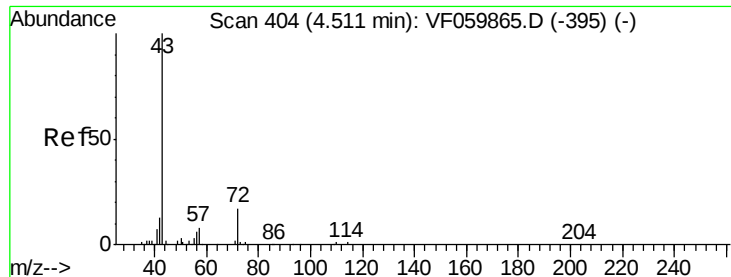


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 109.17 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 43 Resp: 76020

Ion Ratio Lower Upper

43 100

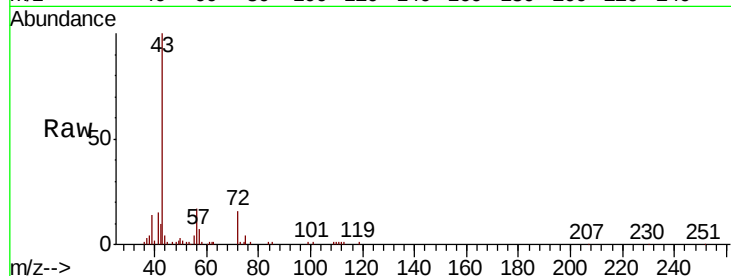
72 15.9 13.9 20.9

Manual Integrations

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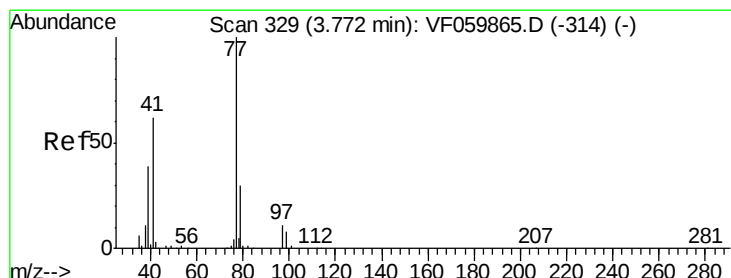
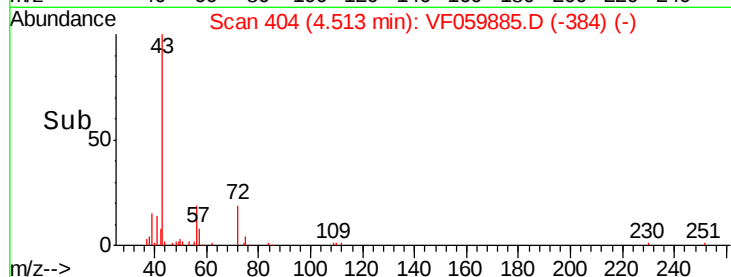
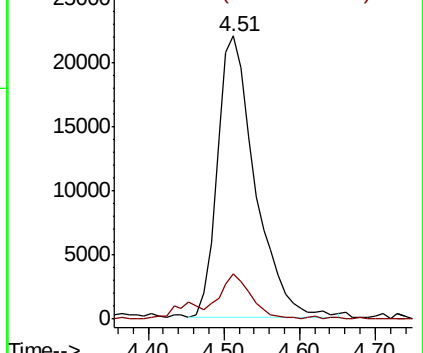
apatel

8/7/2018 10:46:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 22.70 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059885.D

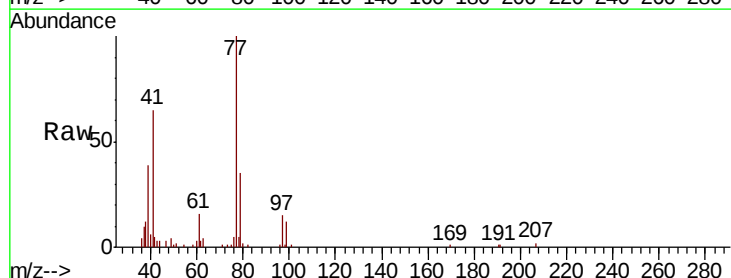
Acq: 6 Aug 2018 19:40

Tgt Ion: 77 Resp: 53063

Ion Ratio Lower Upper

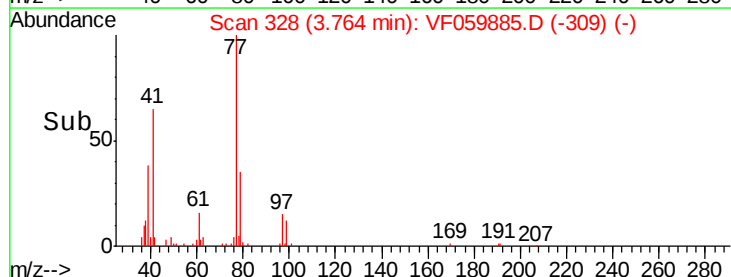
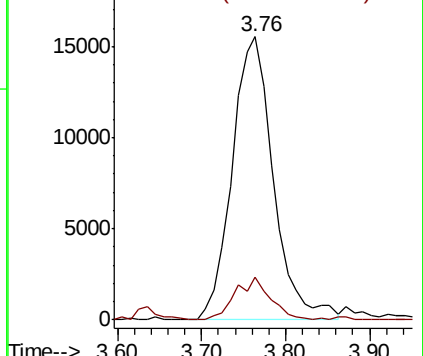
77 100

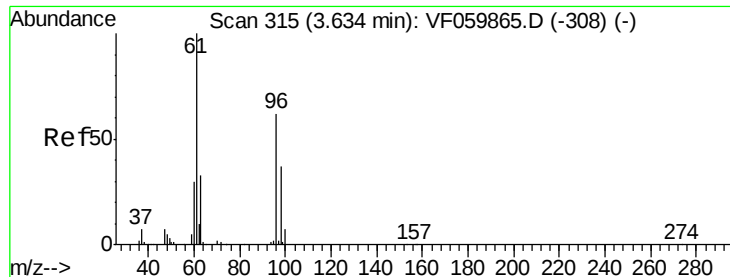
97 15.0 6.8 20.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

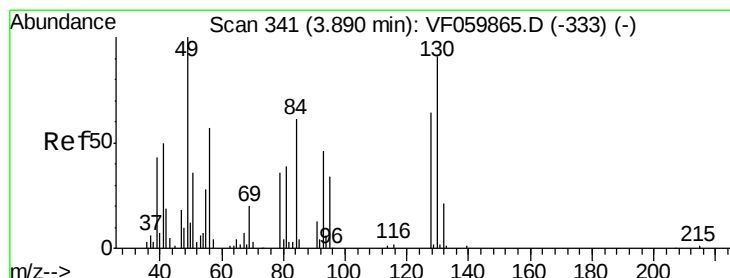
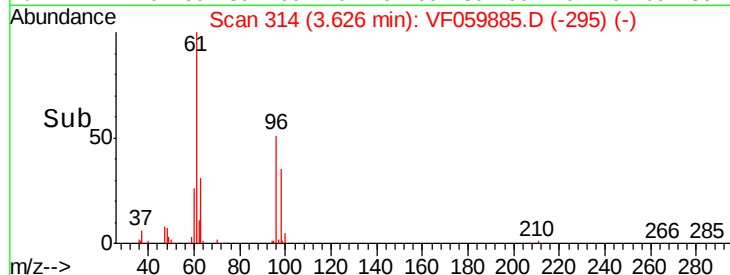
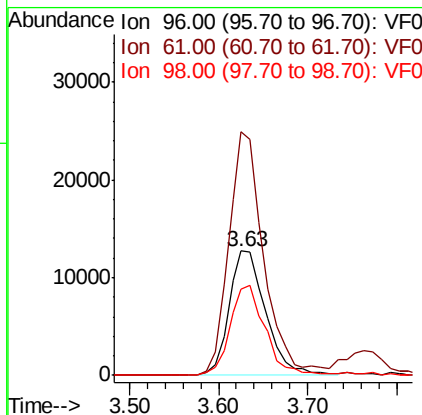
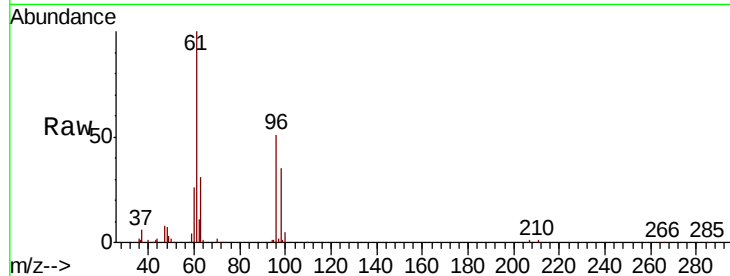
cis-1,2-Dichloroethene
 Concen: 19.03 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	36540		
61	195.5	0.0	320.8	
98	69.0	0.0	117.6	

Manual Integrations
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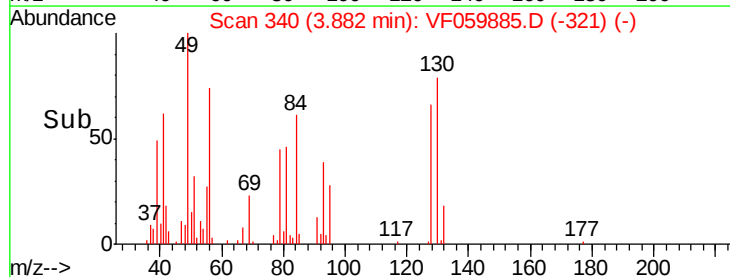
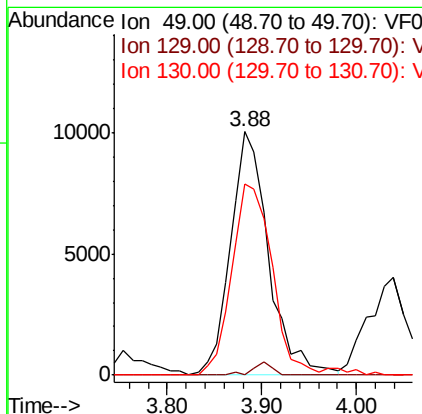
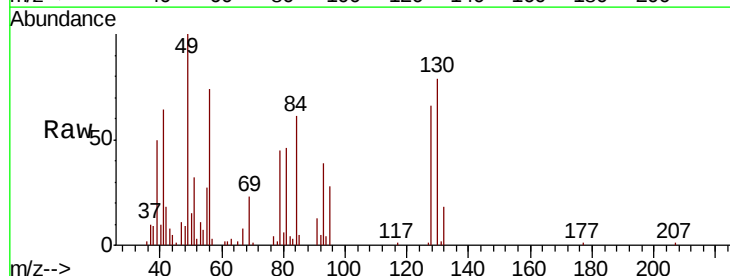
apatel
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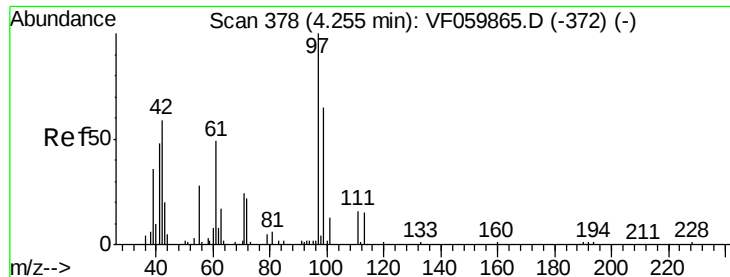


#28

Bromochloromethane
 Concen: 19.79 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28057		
129	0.0	0.0	4.6	
130	78.5	73.8	110.8	





#29

Tetrahydrofuran

Concen: 109.79 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

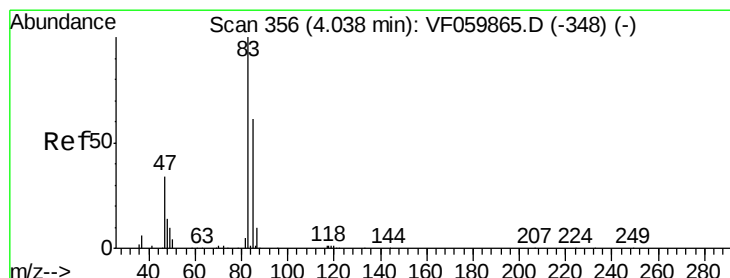
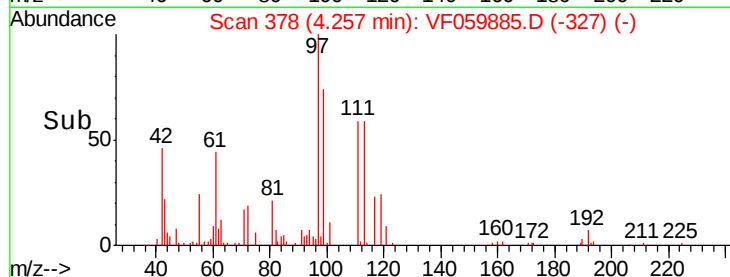
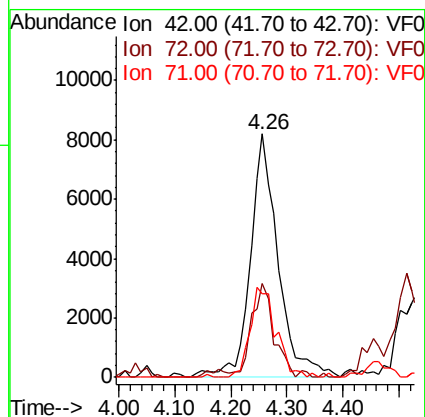
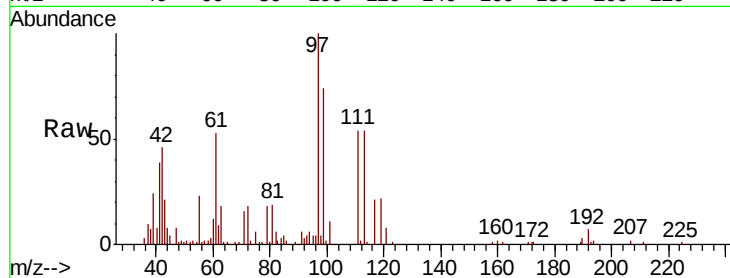
ClientSampleId :

VF0806SBS01

Tot Ion:	42	Resp:	28144
Ion	Ratio	Lower	Upper
42	100		
72	30.7	29.3	43.9
71	34.3	30.0	45.0

Manual Integrations
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#30

Chloroform

Concen: 19.25 ug/l

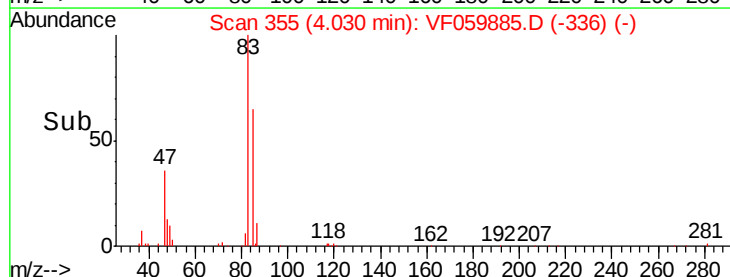
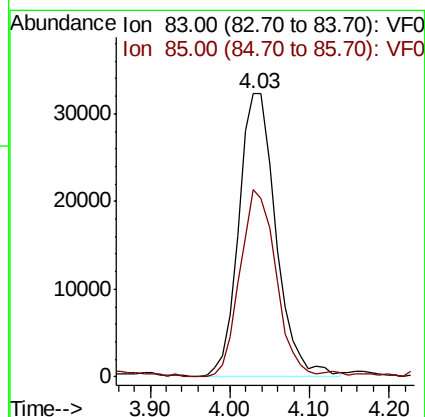
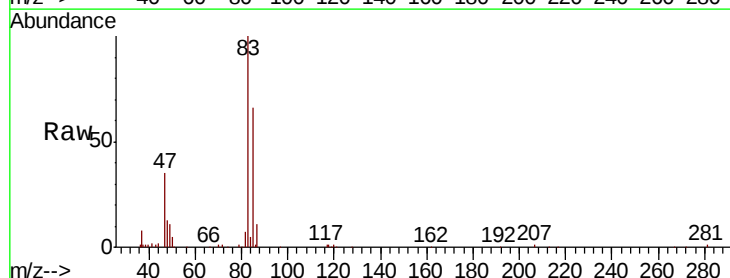
RT: 4.03 min Scan# 355

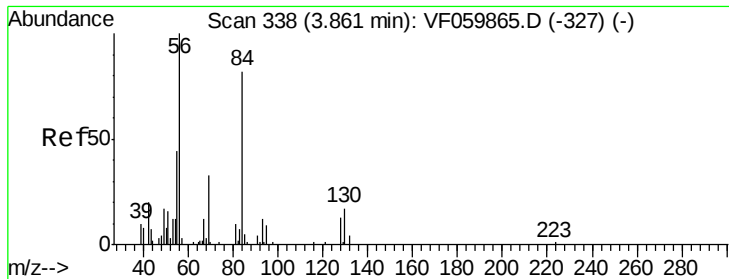
Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion:	83	Resp:	104564
Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.3	73.9





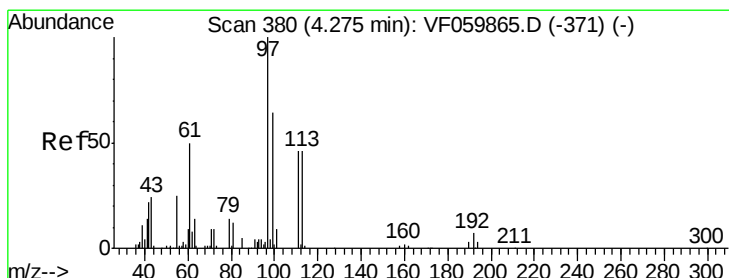
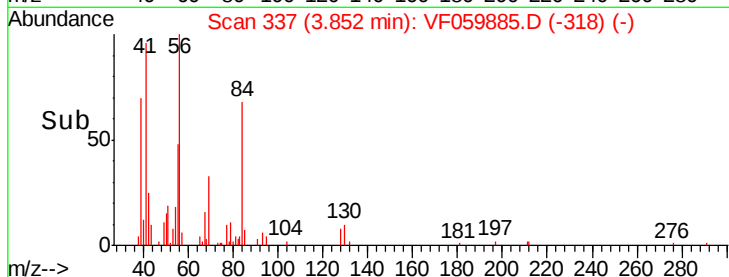
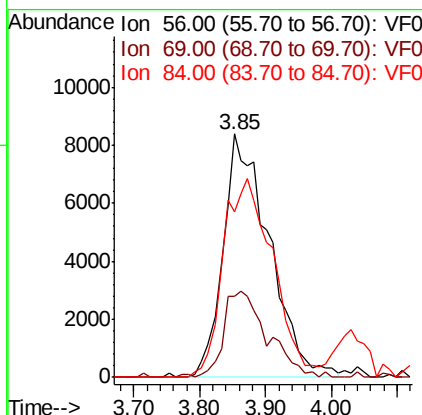
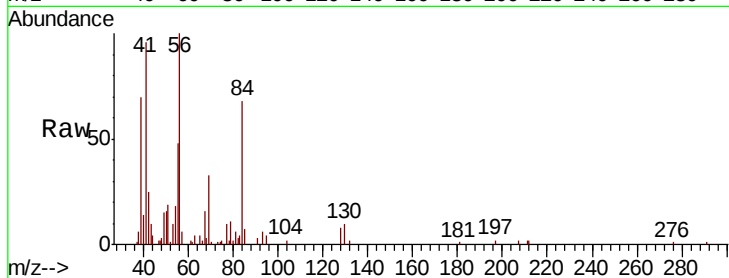
#31
Cyclohexane
Concen: 20.64 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.7	40.1
84	68.1	65.9	98.9

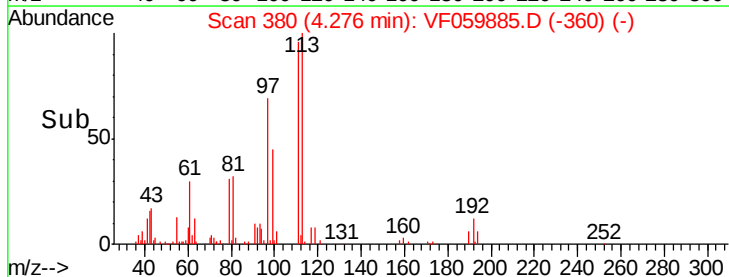
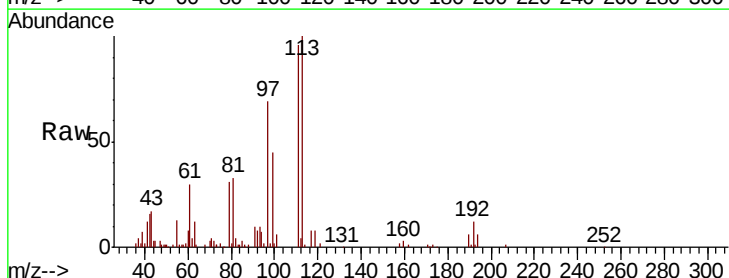
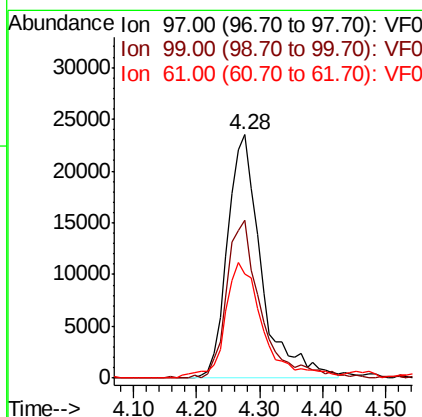
Manual Integrations
APPROVED

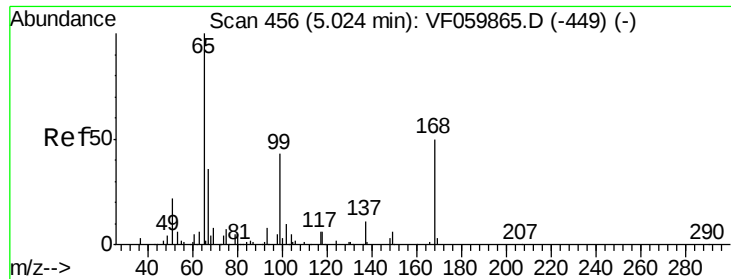
apatel
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#32
1,1,1-Trichloroethane
Concen: 20.09 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	43.0	40.8	61.2





#33

1,2-Dichloroethane-d4

Concen: 48.55 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tot Ion: 65 Resp: 168399

Ion Ratio Lower Upper

65 100

67 44.1 0.0 77.2

Instrument :

MSVOA_F

ClientSampleId :

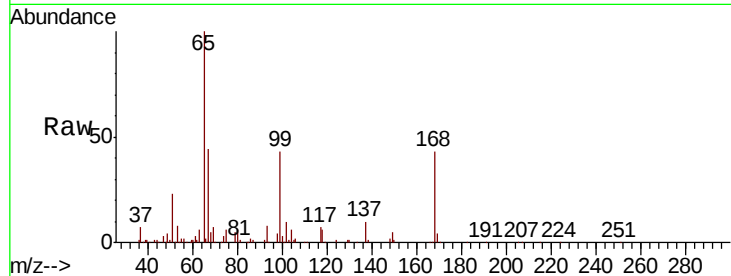
VF0806SBS01

Manual Integrations

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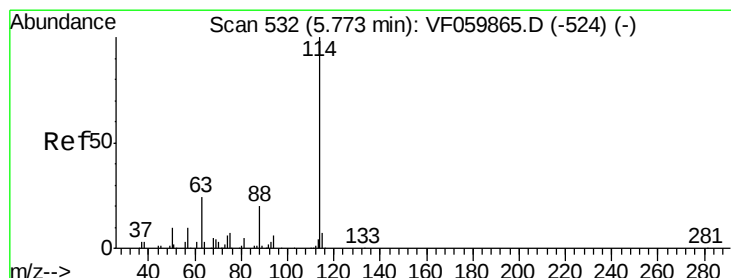
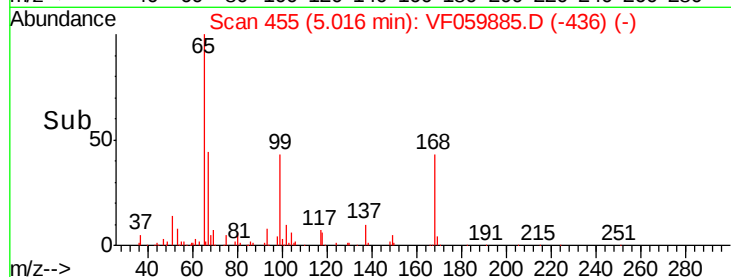
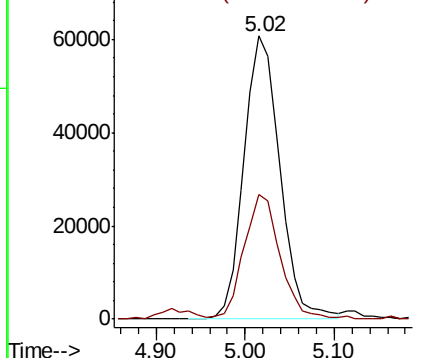
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

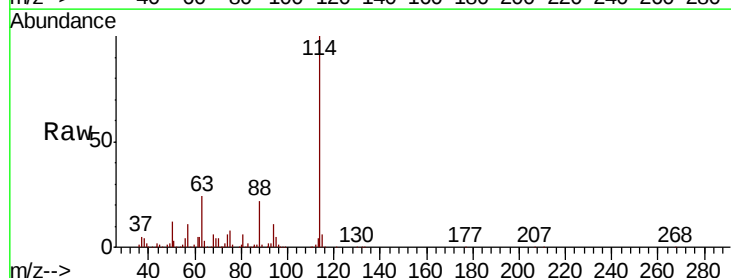
Tgt Ion:114 Resp: 264735

Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.0

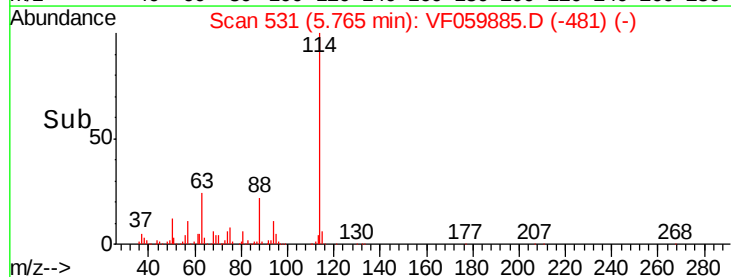
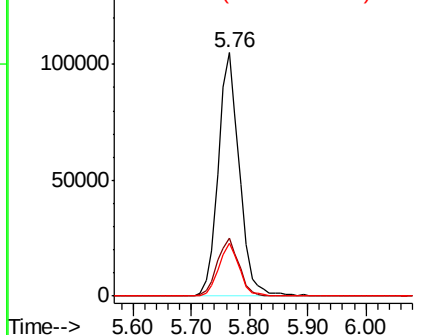
88 21.5 0.0 39.4

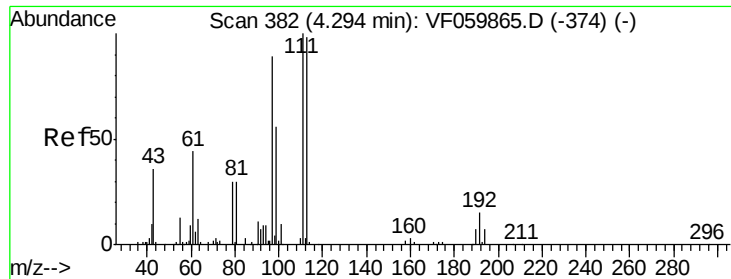


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.79 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

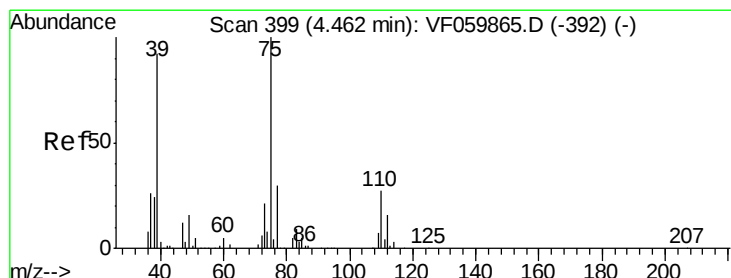
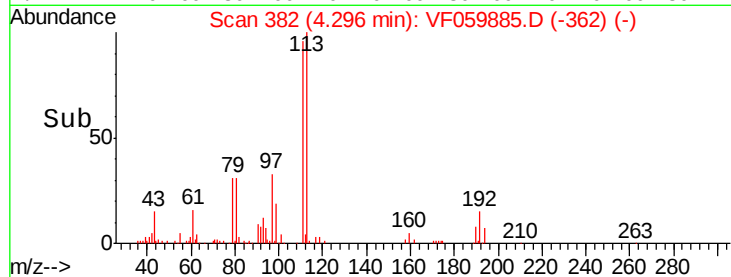
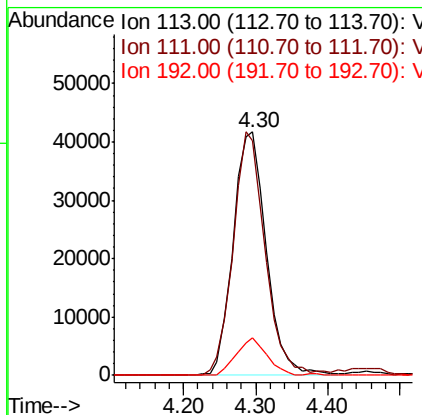
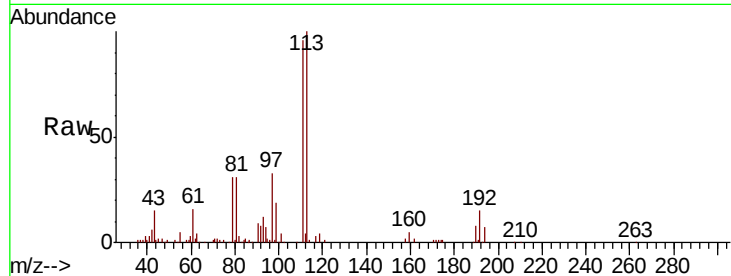
ClientSampleId :

VF0806SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.3	81.8	122.8
192	15.7	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.56 ug/l

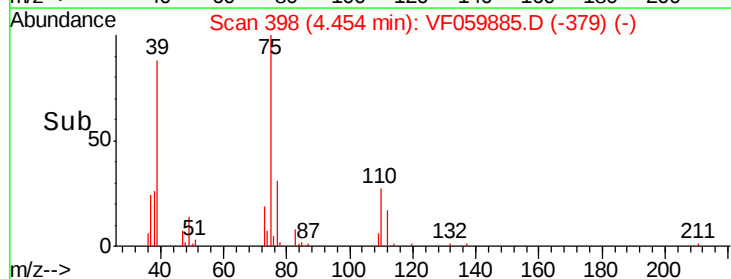
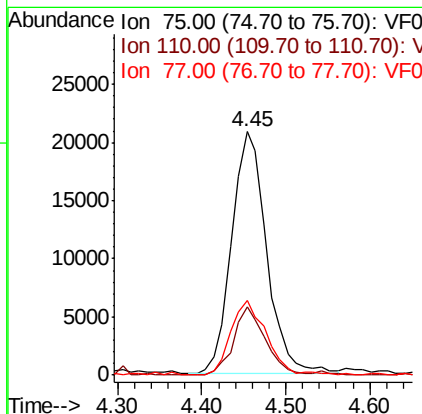
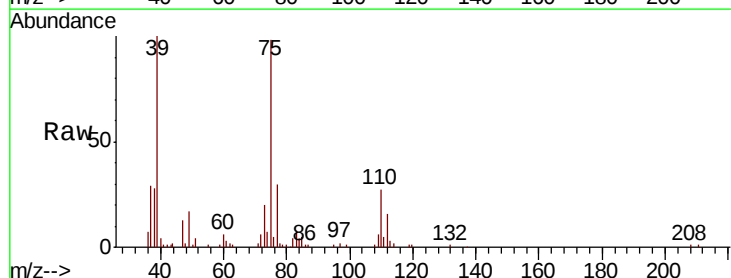
RT: 4.45 min Scan# 398

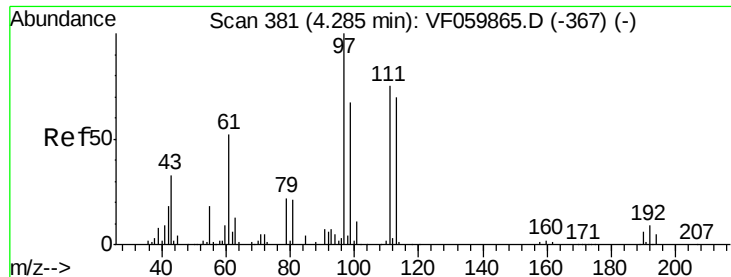
Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.0	13.6	40.7
77	30.4	23.7	35.5





#37

Ethyl Acetate

Concen: 21.21 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

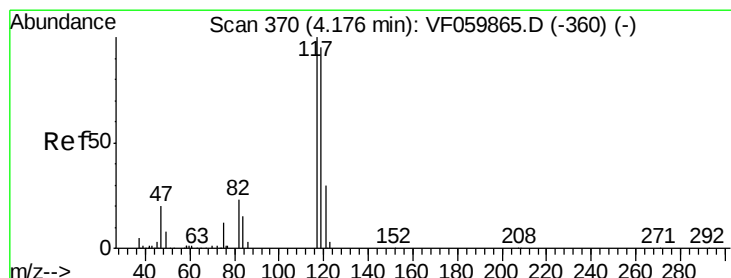
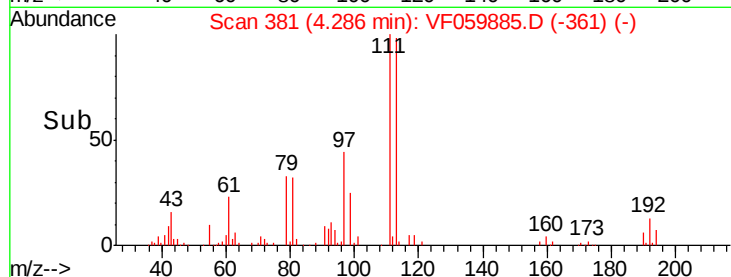
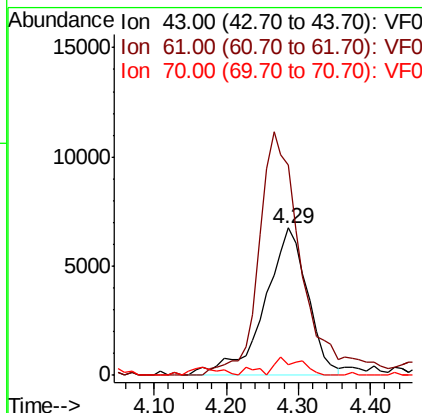
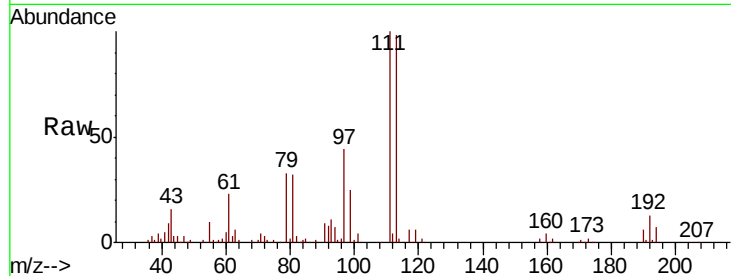
ClientSampleId :

VF0806SBS01

Tot Ion	43	61	70	Ratio	100	142.5	7.4	Resp	27886	Lower	Upper
43	100										
61		142.5				123.7				185.5	
70			7.4			7.8				11.8	

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 24.91 ug/l

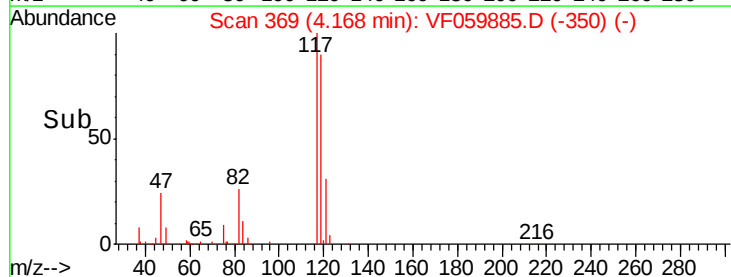
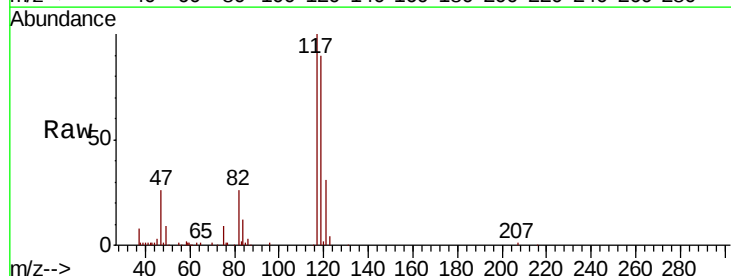
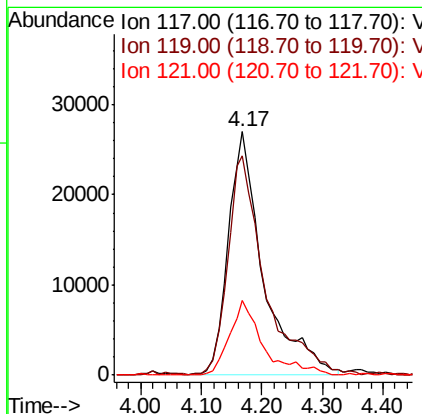
RT: 4.17 min Scan# 369

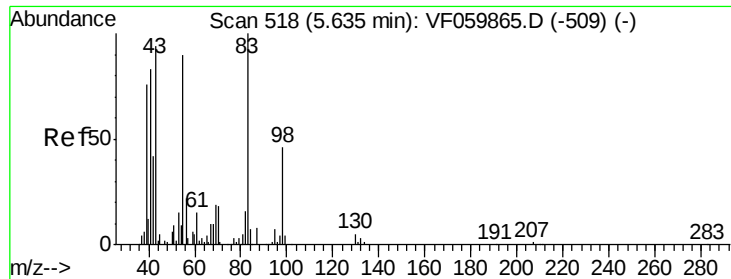
Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion	117	119	121	Ratio	100	89.9	30.7	Resp	109186	Lower	Upper
117	100										
119		89.9				76.5				114.7	
121			30.7			23.8				35.8	





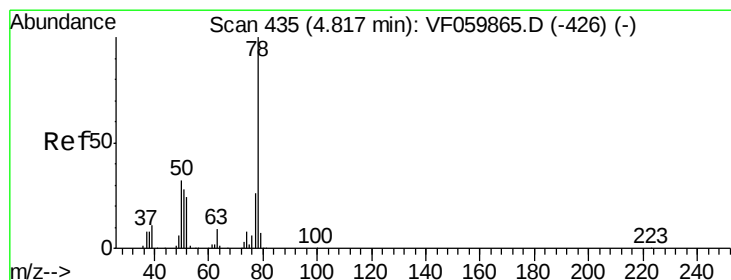
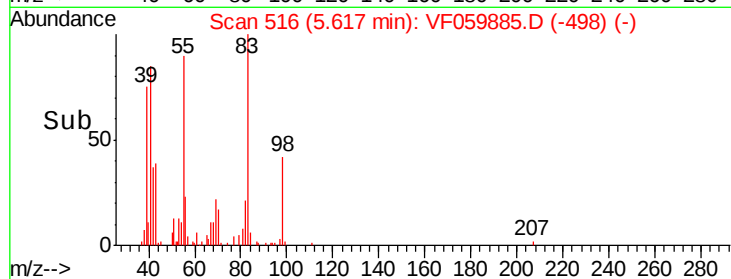
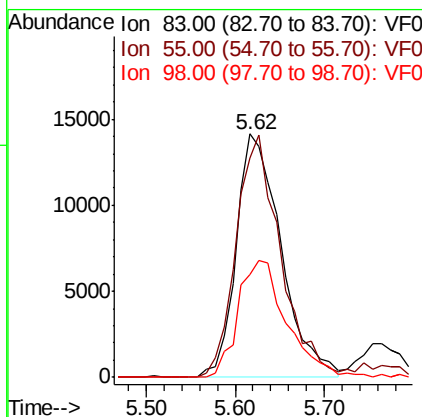
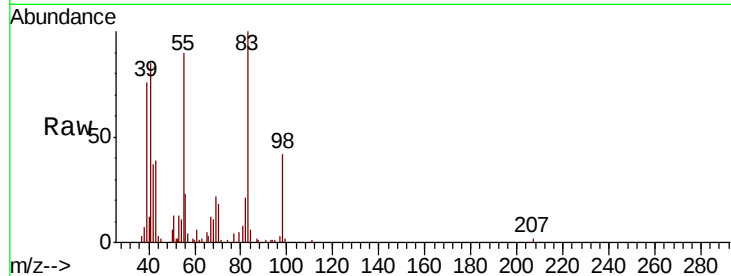
#39
Methvlcvclohexane
Concen: 21.56 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.1	72.0	108.0
98	42.0	36.6	54.8

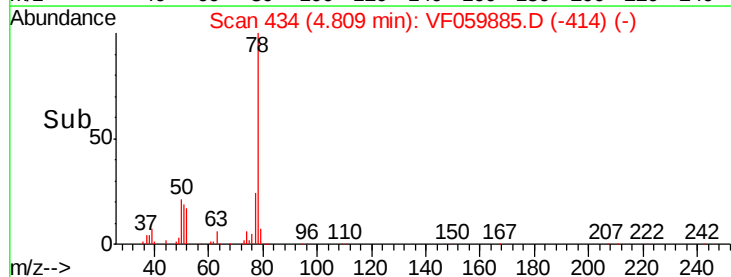
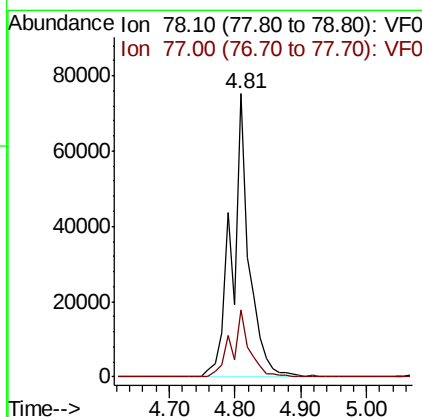
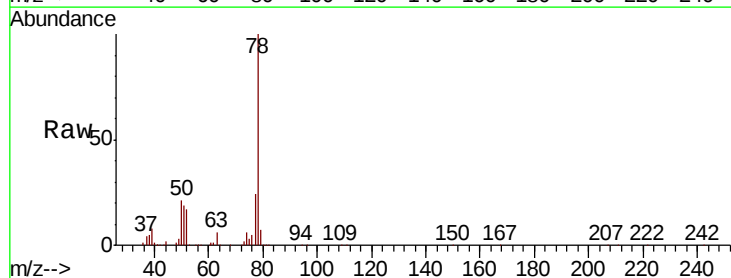
Manual Integrations
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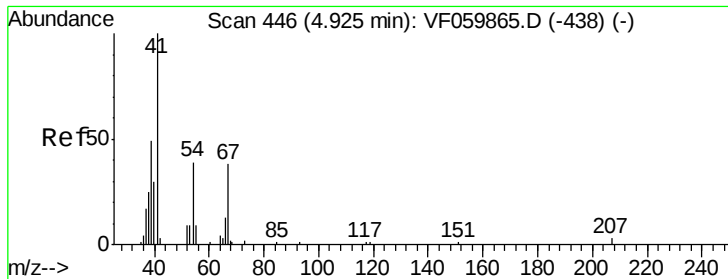
apatel
8/7/2018 10:46:46 AM



#40
Benzene
Concen: 24.44 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.7	31.1





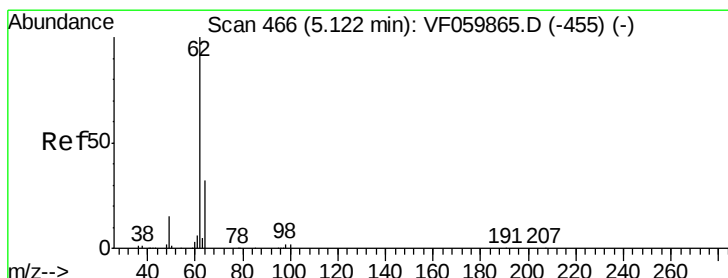
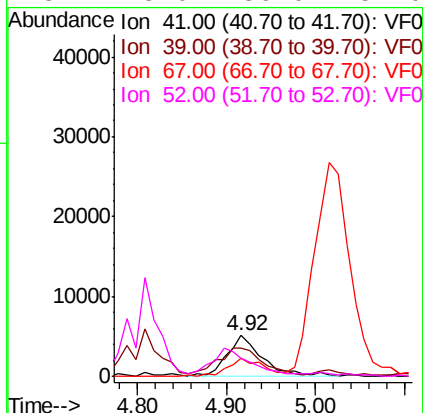
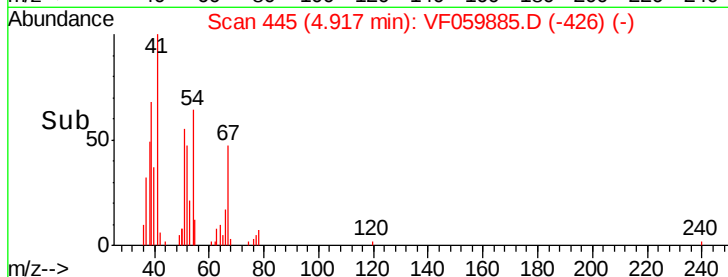
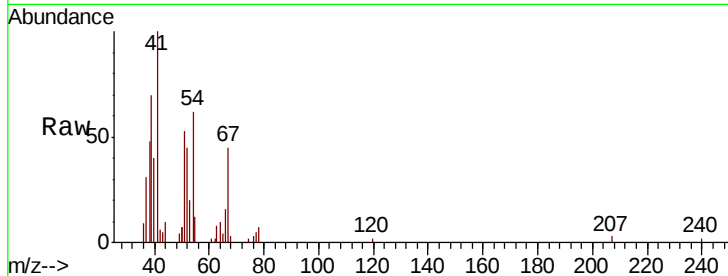
#41
Methacrylonitrile
Concen: 20.52 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	69.9	55.1	82.7		
67	45.0	30.3	45.5		
52	45.0	36.0	54.0		

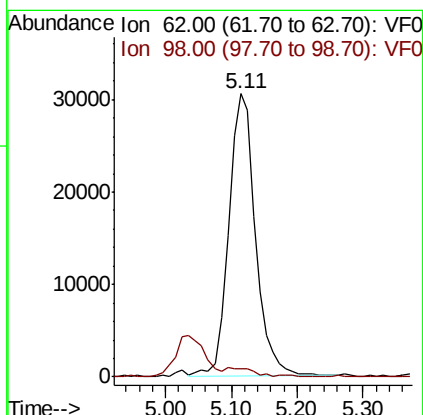
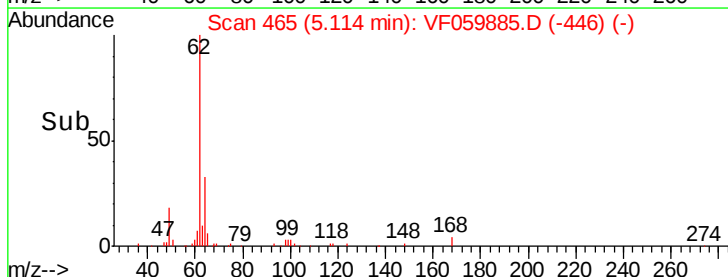
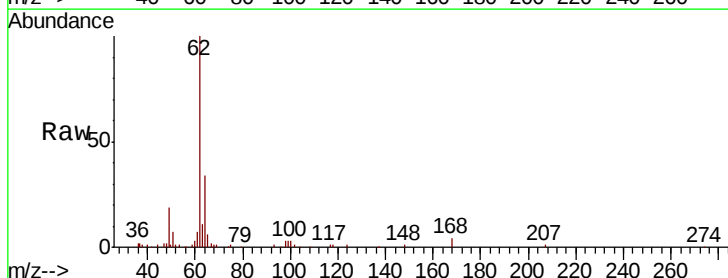
Manual Integrations
APPROVED

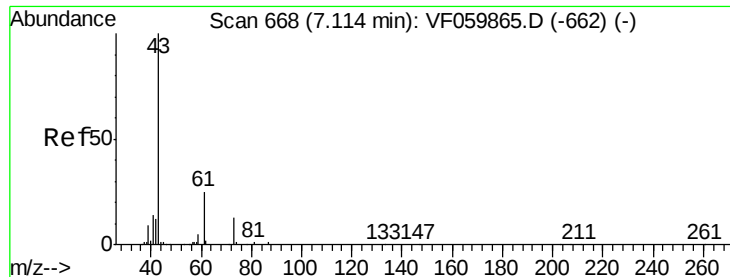
apatel
8/7/2018 10:46:46 AM



#42
1,2-Dichloroethane
Concen: 20.52 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	2.9	0.0	7.6		





#43

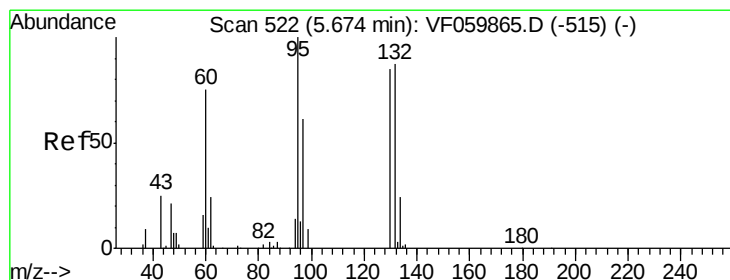
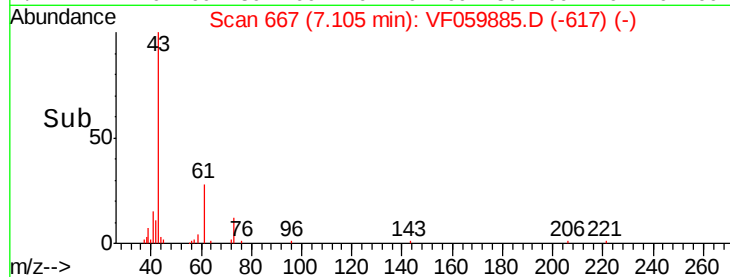
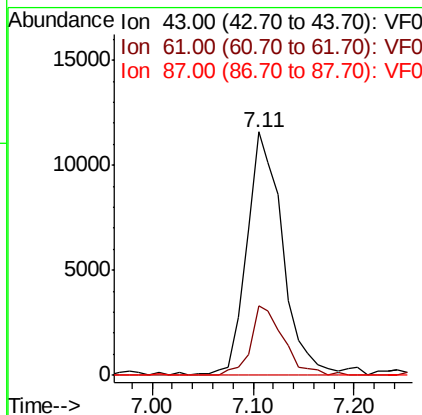
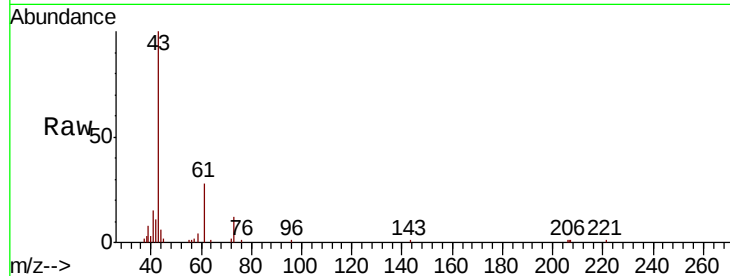
Isopropyl Acetate
 Concen: 21.01 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	20.3	30.5
87	0.0	0.7	1.1#

Manual Integrations
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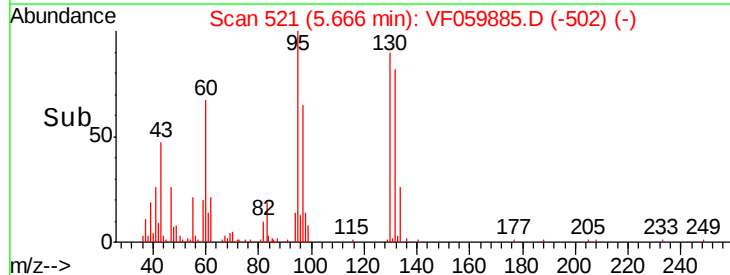
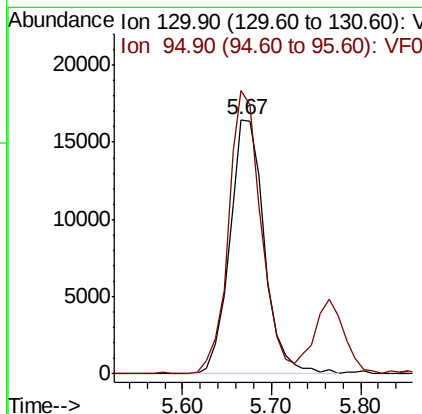
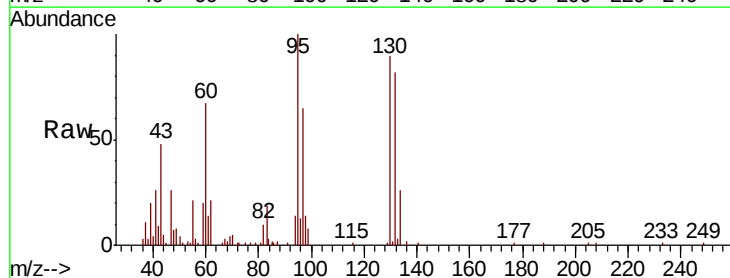
apatel
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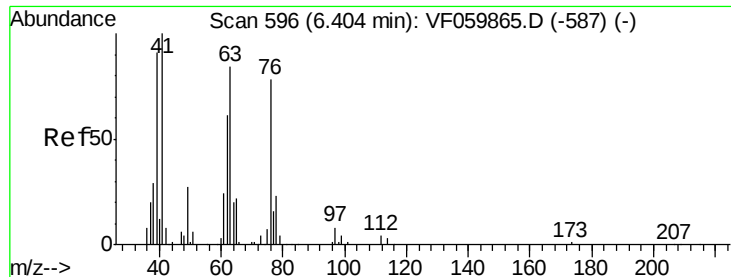


#44

Trichloroethene
 Concen: 21.83 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.4	0.0	236.8





#45

1,2-Dichloropropane

Concen: 19.63 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 63 Resp: 27581

Ion Ratio Lower Upper

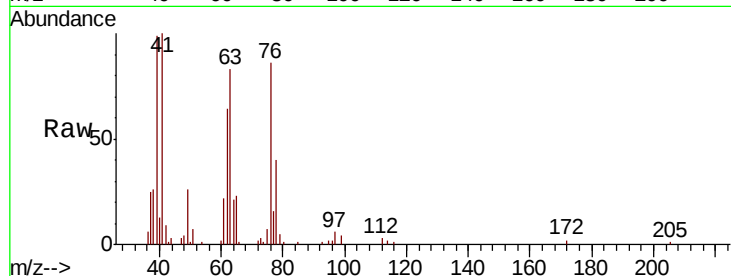
63 100

65 28.0 20.4 30.6

Manual Integrations
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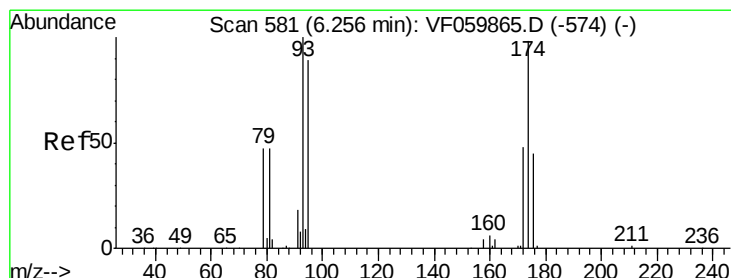
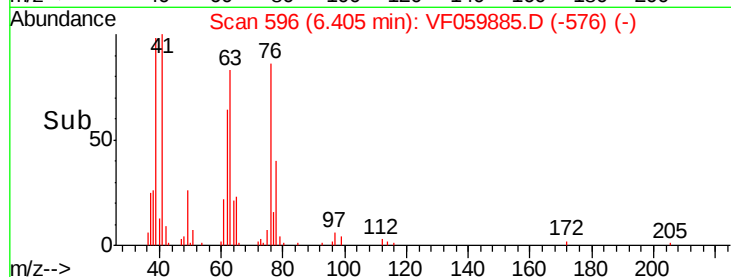
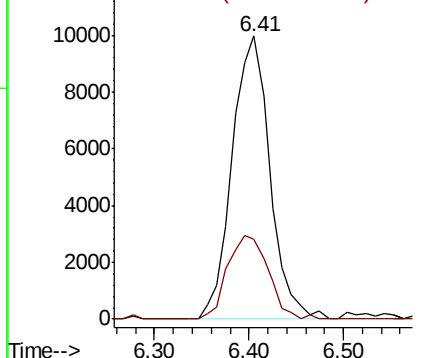
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 18.91 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

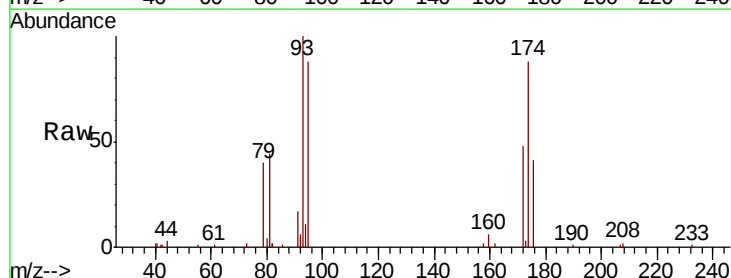
Tgt Ion: 93 Resp: 26811

Ion Ratio Lower Upper

93 100

95 88.2 71.4 107.2

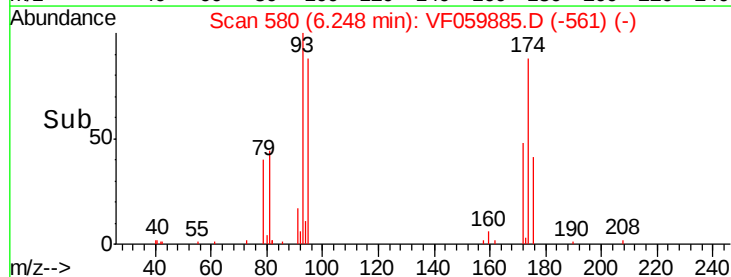
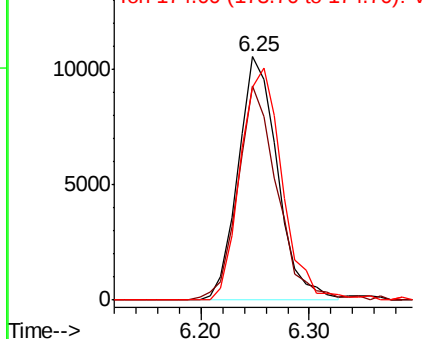
174 87.6 78.1 117.1

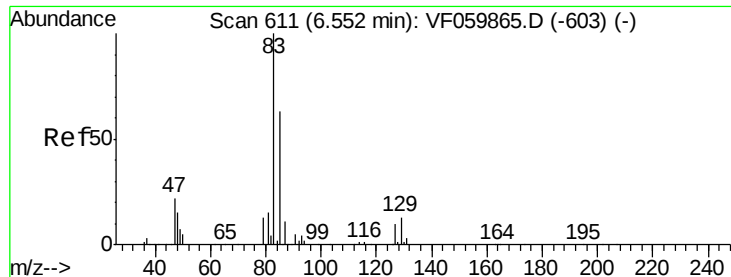


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.00 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

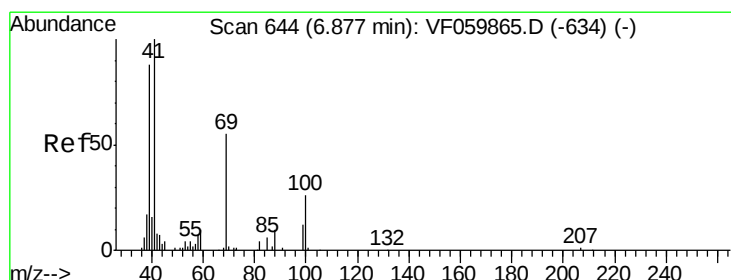
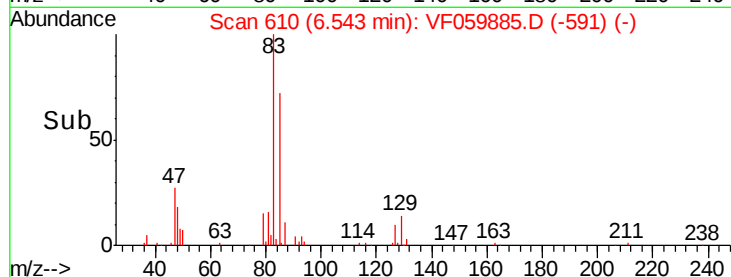
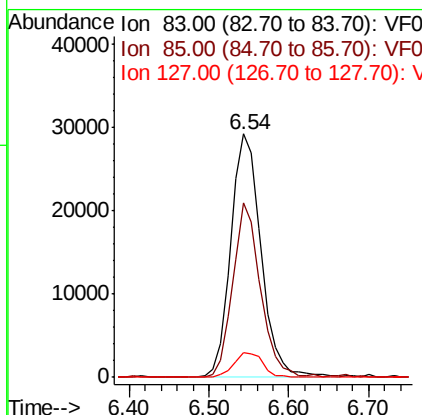
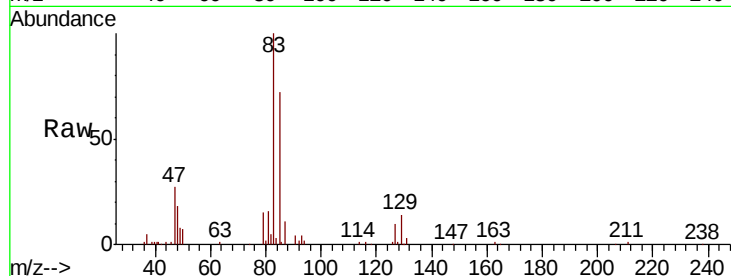
ClientSampleId :

VF0806SBS01

Tot Ion:	83	Resp:	77565
Ion	Ratio	Lower	Upper
83	100		
85	72.4	50.7	76.1
127	10.2	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.68 ug/l

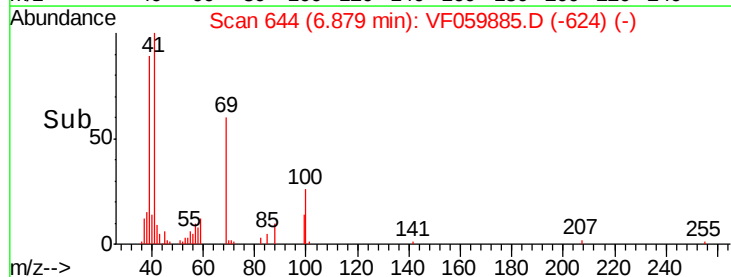
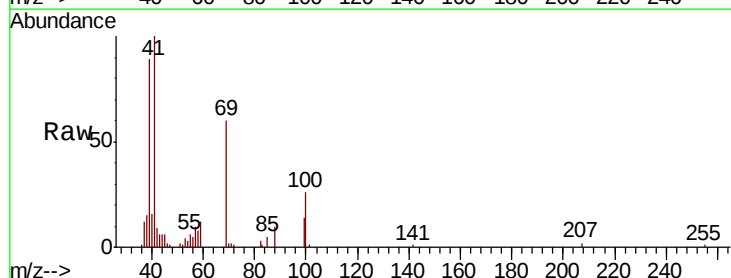
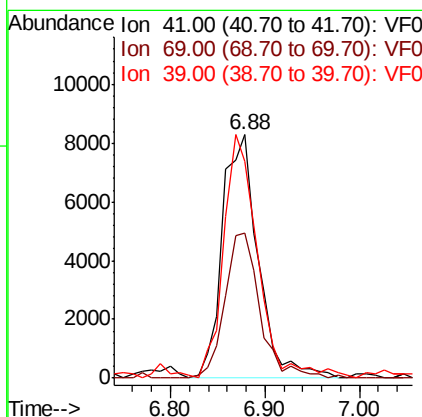
RT: 6.88 min Scan# 644

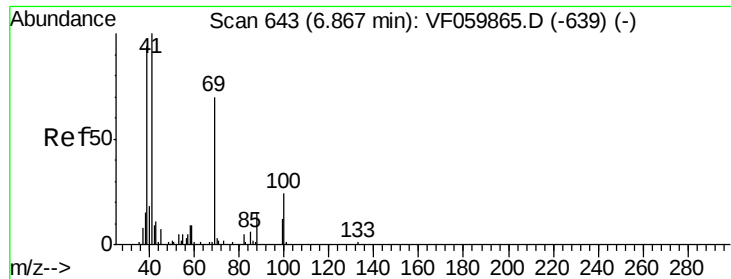
Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion:	41	Resp:	21784
Ion	Ratio	Lower	Upper
41	100		
69	59.8	44.4	66.6
39	89.4	70.6	106.0





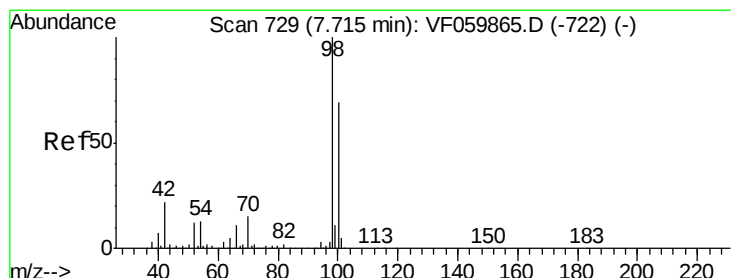
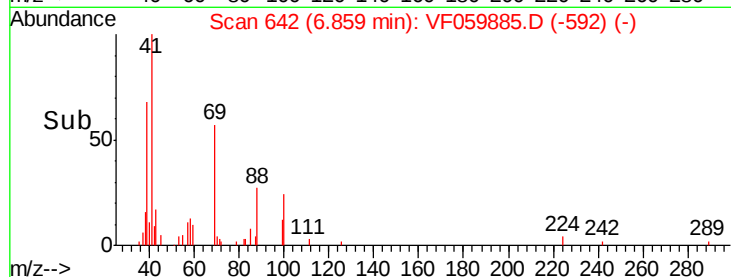
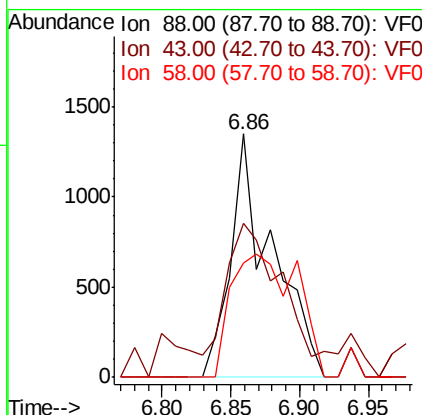
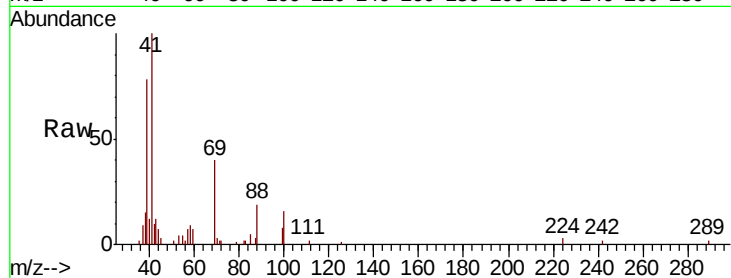
#49
1,4-Dioxane
Concen: 422.04 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	63.1	58.3	87.5
58	46.8	49.4	74.2#

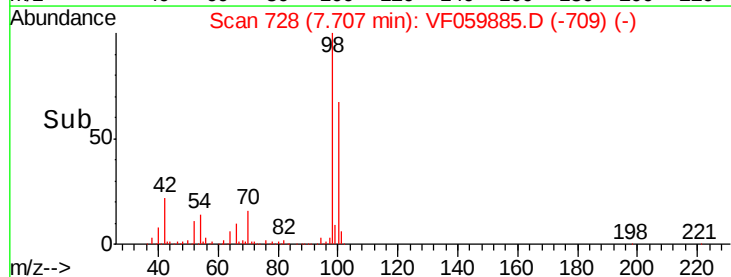
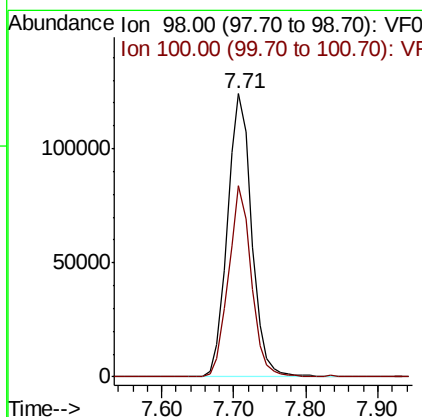
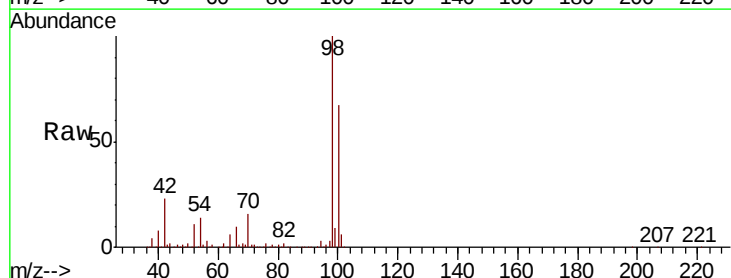
Manual Integrations
APPROVED

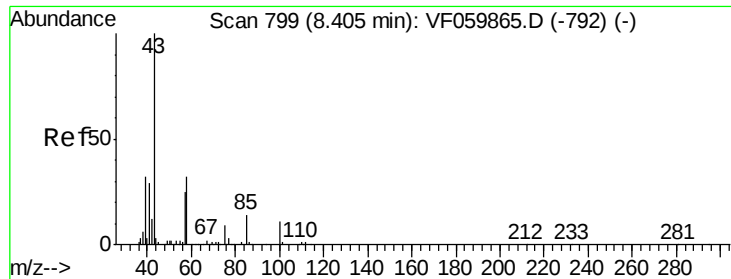
apatel
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#50
Toluene-d8
Concen: 51.90 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 108.65 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 43 Resp: 150391

Ion Ratio Lower Upper

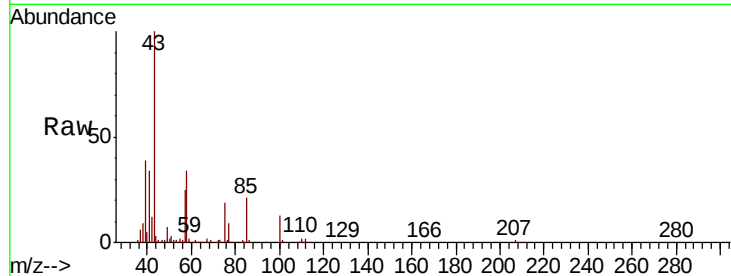
43 100

58 33.7 25.4 38.0

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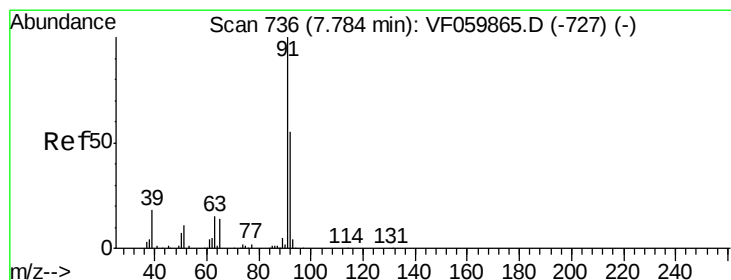
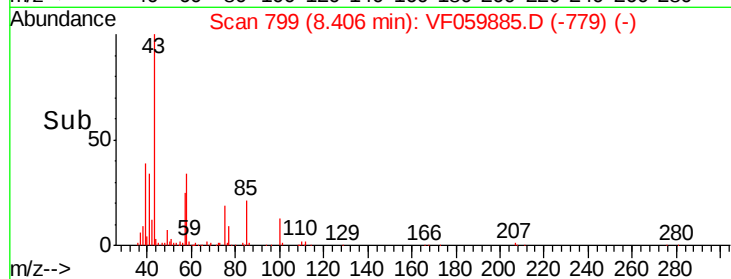
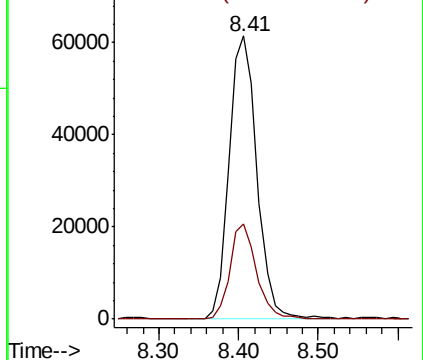
apatel

8/7/2018 10:46:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.25 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF059885.D

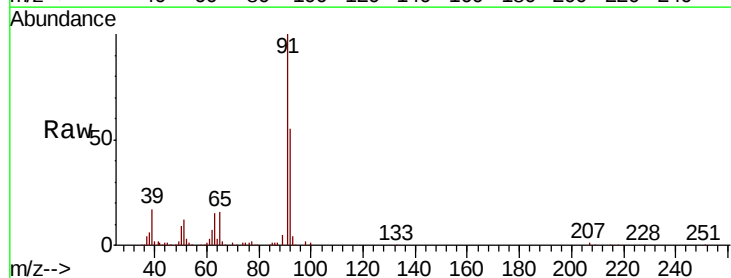
Acq: 6 Aug 2018 19:40

Tgt Ion: 92 Resp: 82194

Ion Ratio Lower Upper

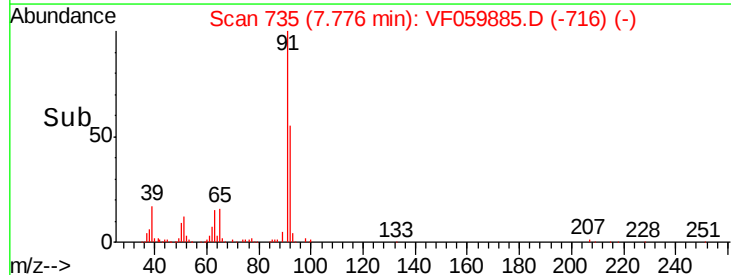
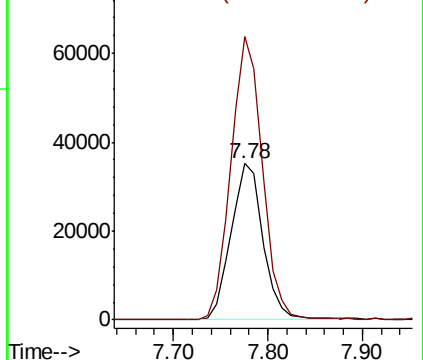
92 100

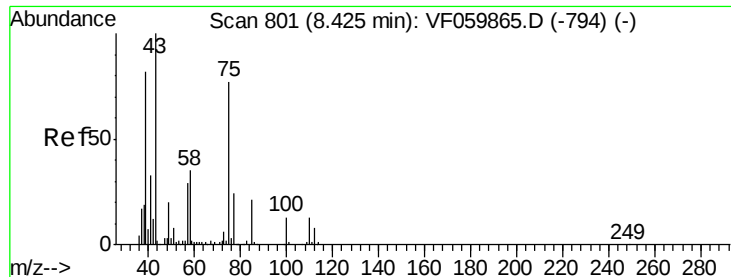
91 181.1 145.7 218.5



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: 22.44 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 75 Resp: 66183

Ion Ratio Lower Upper

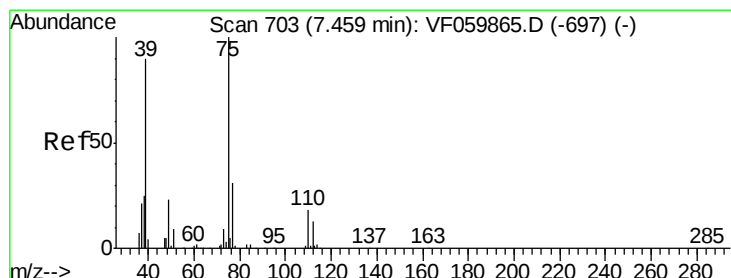
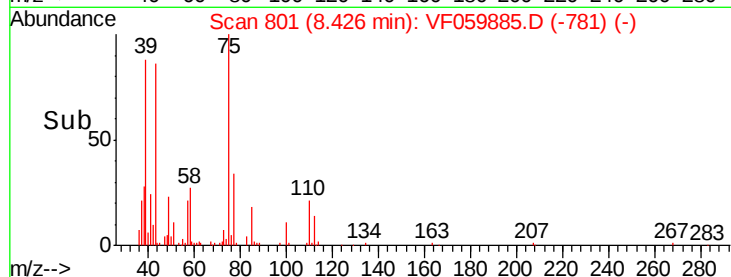
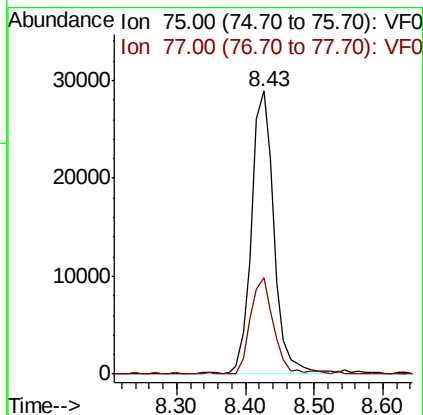
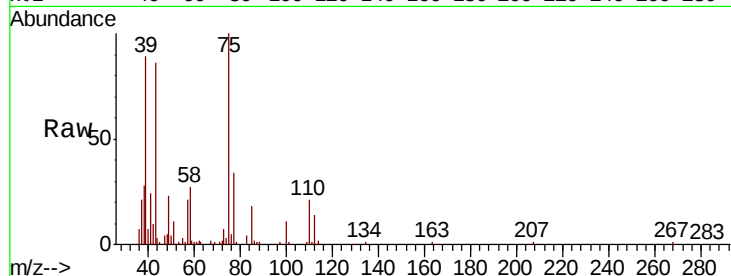
75 100

77 34.2 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 21.09 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

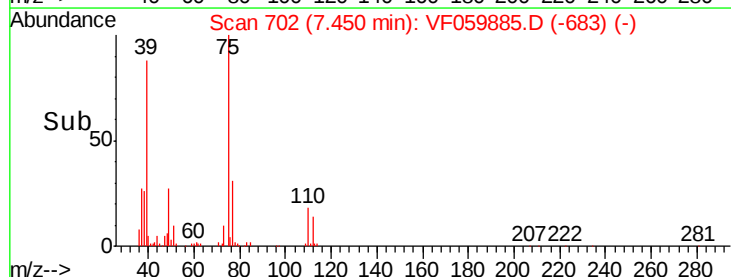
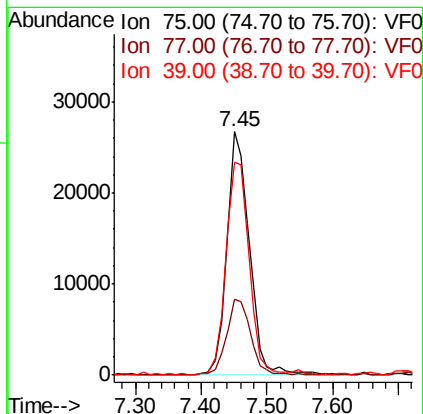
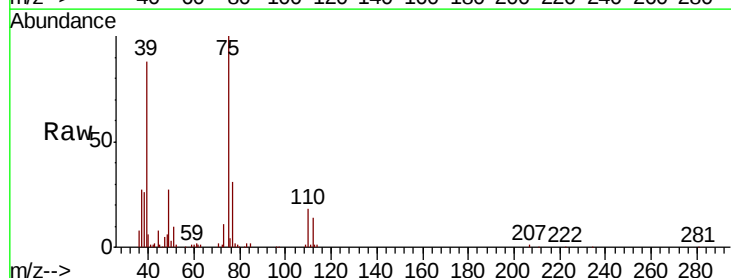
Tgt Ion: 75 Resp: 64219

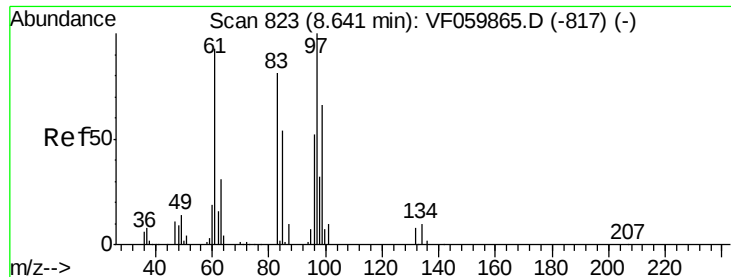
Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

39 87.7 72.0 108.0





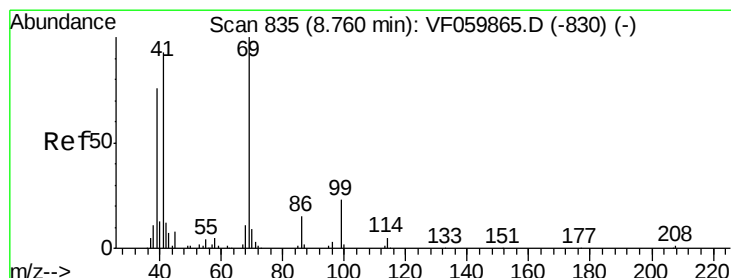
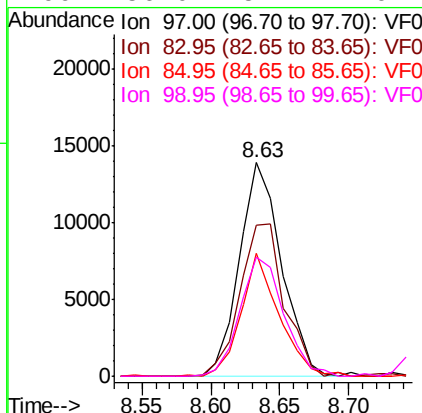
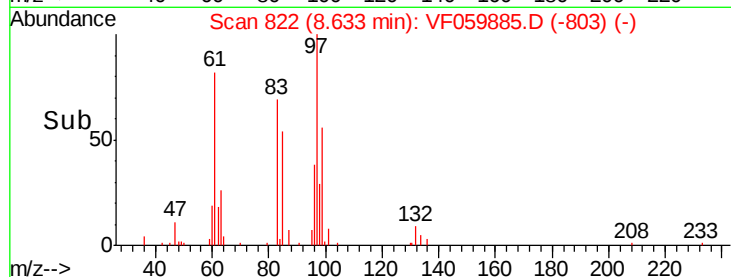
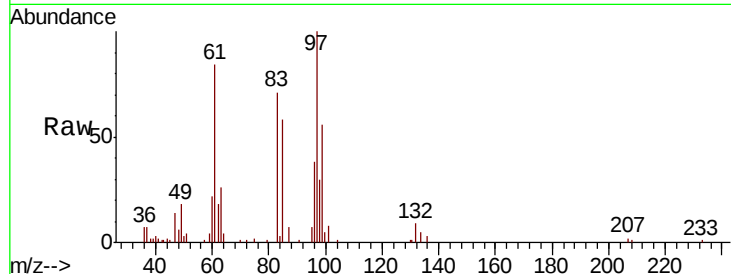
#55
 1,1,2-Trichloroethane
 Concen: 21.38 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	97	Resp	29770
Ion	Ratio	Lower	Upper
97	100		
83	70.7	64.4	96.6
85	57.6	43.1	64.7
99	56.0	52.7	79.1

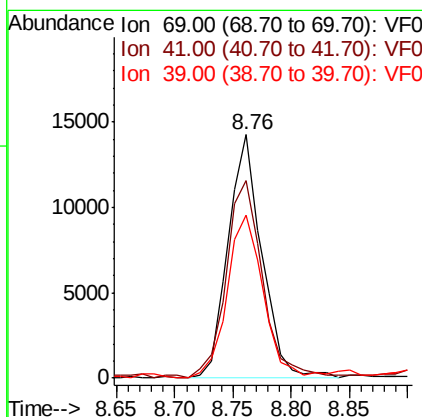
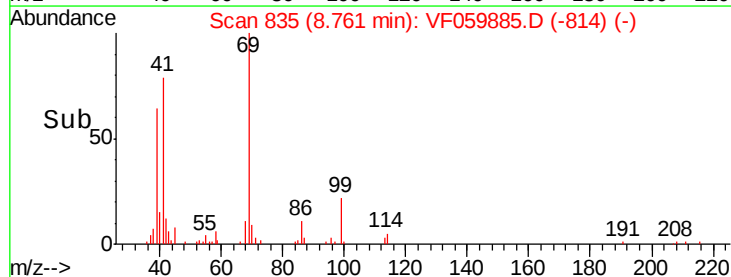
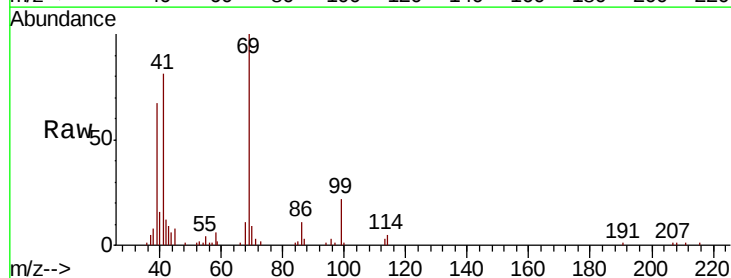
Manual Integrations
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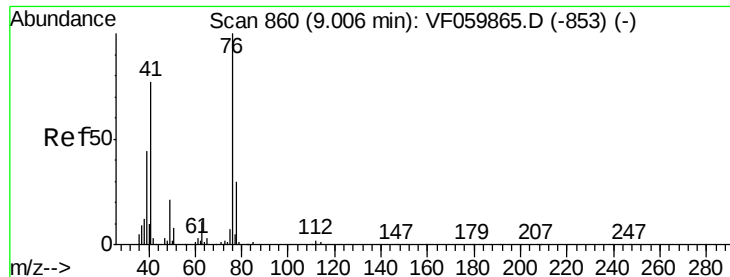
apatel
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#56
 Ethyl methacrylate
 Concen: 20.94 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	69	Resp	28772
Ion	Ratio	Lower	Upper
69	100		
41	81.0	74.7	112.1
39	67.0	61.1	91.7





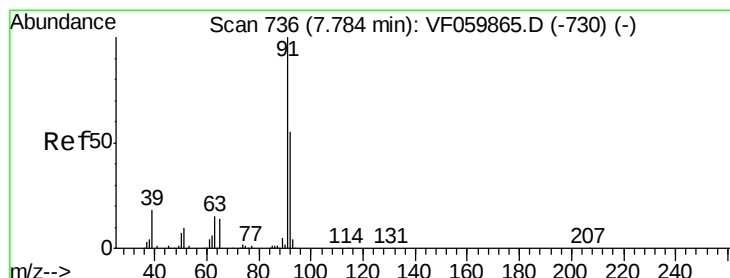
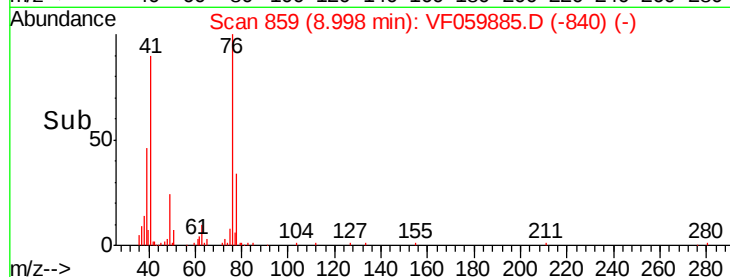
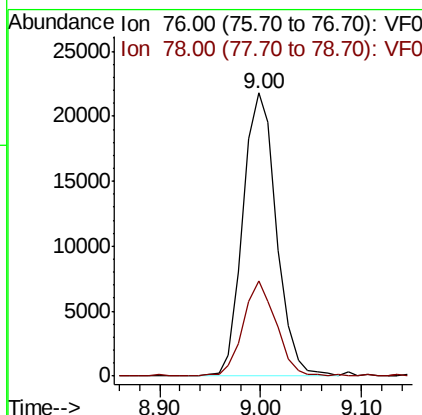
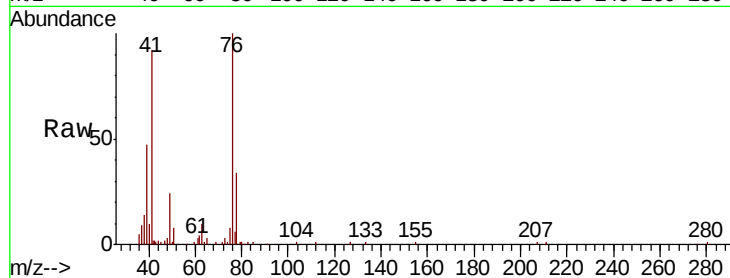
#57
 1,3-Dichloropropane
 Concen: 21.09 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	76	Resp	50425
Ion Ratio	Lower	Upper	
76	100		
78	33.6	24.2	36.2

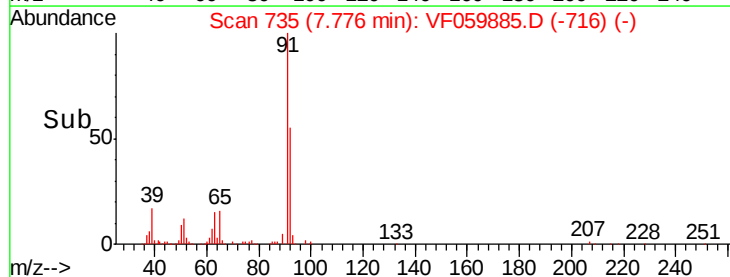
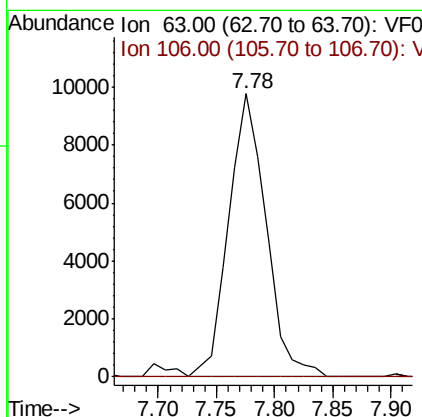
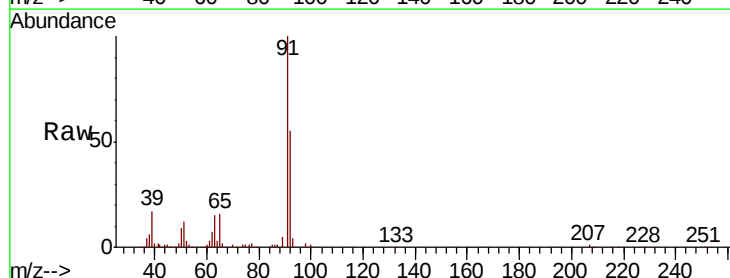
Manual Integrations
 APPROVED

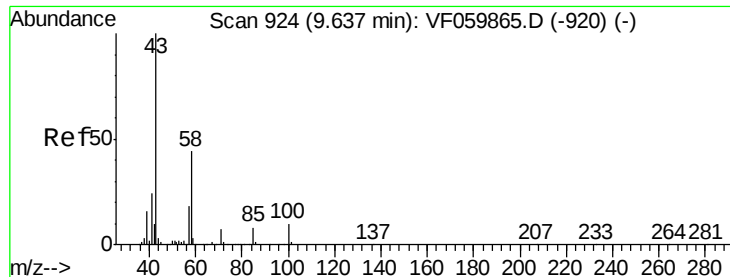
apatel
 8/7/2018 10:46:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.04 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	63	Resp	21742
Ion Ratio	Lower	Upper	
63	100		
106	0.0	0.0	0.0





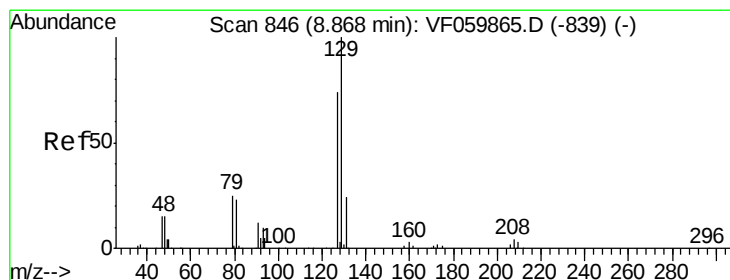
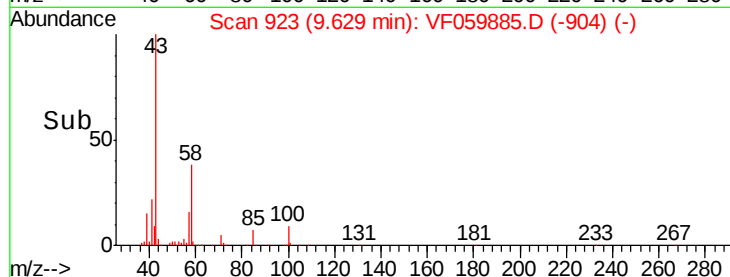
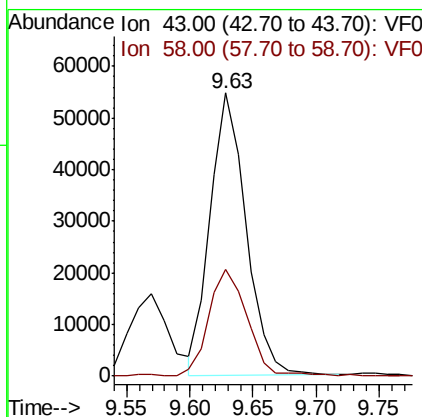
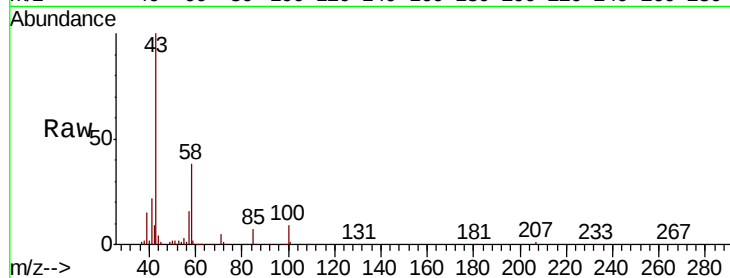
#59
2-Hexanone
Concen: 110.53 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	20.8	62.2

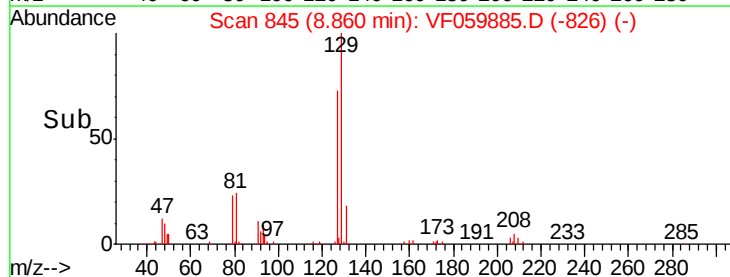
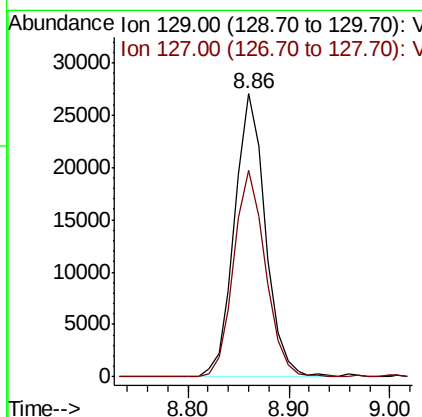
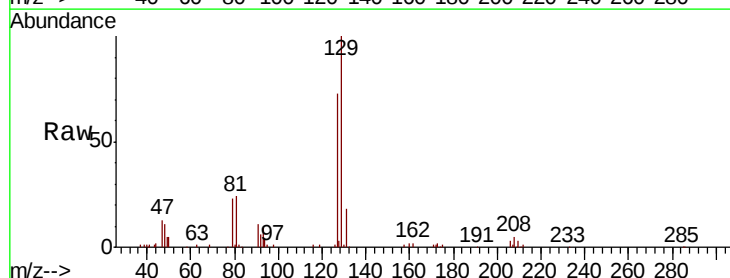
Manual Integrations
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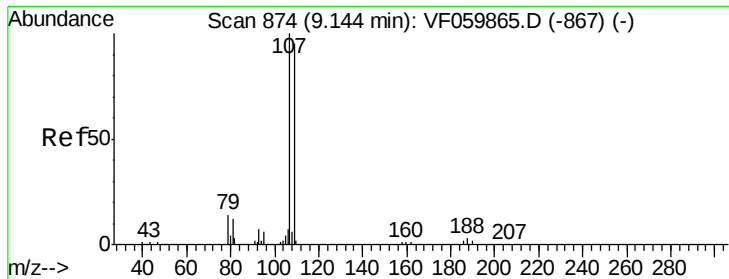
apatel
8/7/2018 10:46:46 AM



#60
Dibromochloromethane
Concen: 22.15 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	36.9	110.7





#61

1,2-Dibromoethane

Concen: 21.34 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion:107 Resp: 36197

Ion Ratio Lower Upper

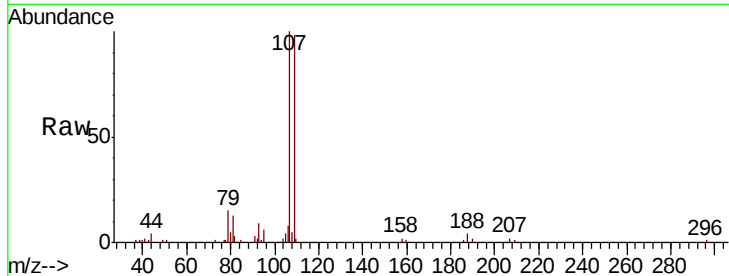
107 100

109 98.5 75.8 113.8

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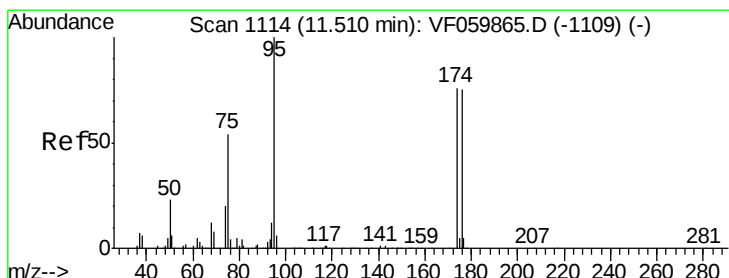
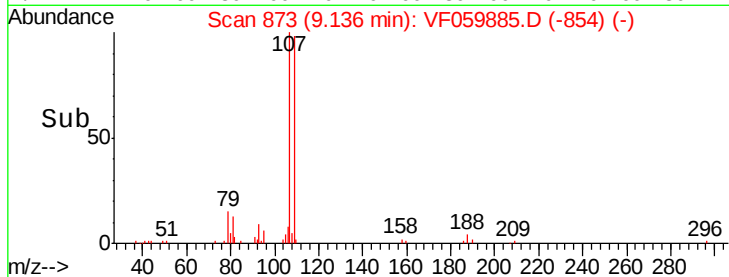
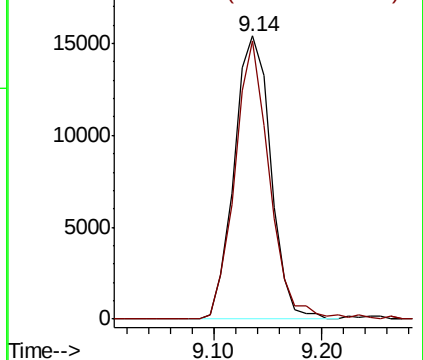
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.96 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

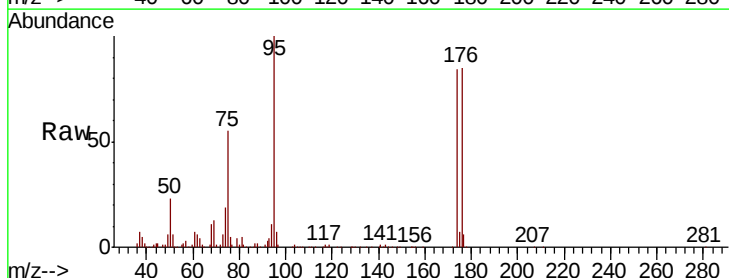
Tgt Ion: 95 Resp: 169940

Ion Ratio Lower Upper

95 100

174 84.1 0.0 151.6

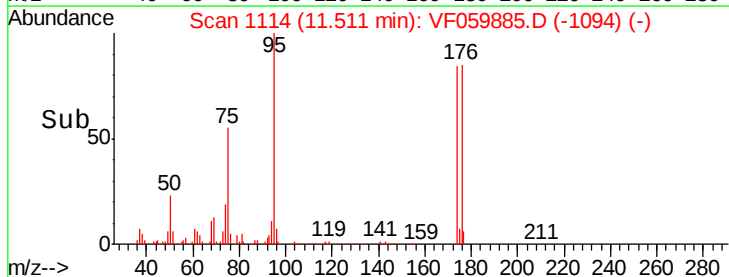
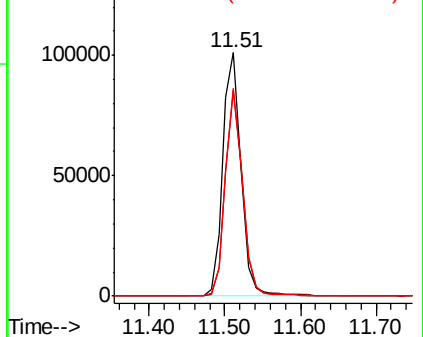
176 85.1 0.0 149.8

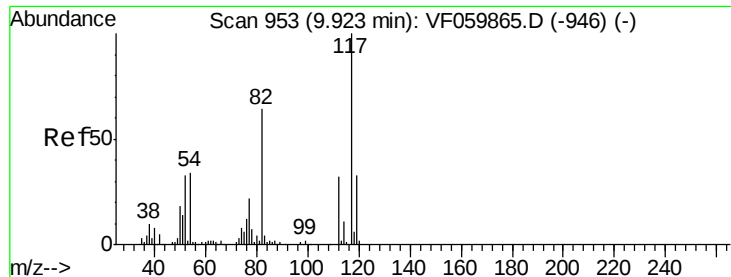


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





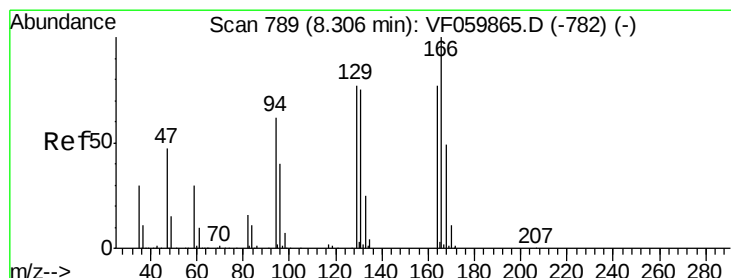
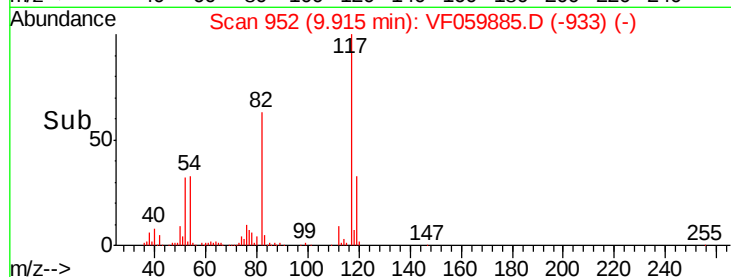
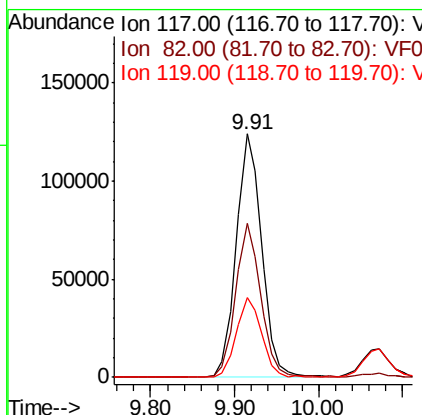
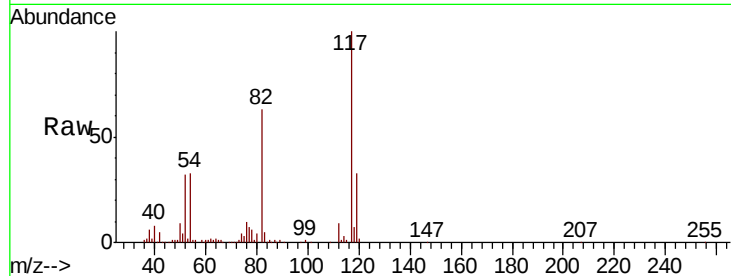
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	51.3	76.9
119	32.6	26.4	39.6

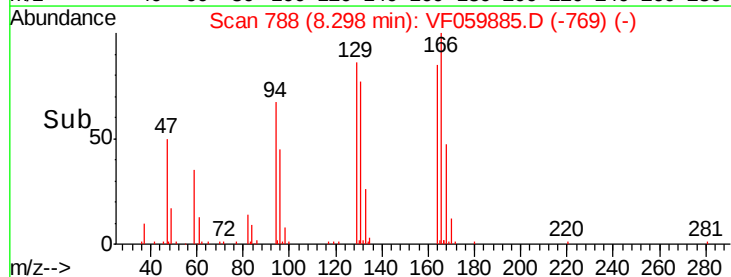
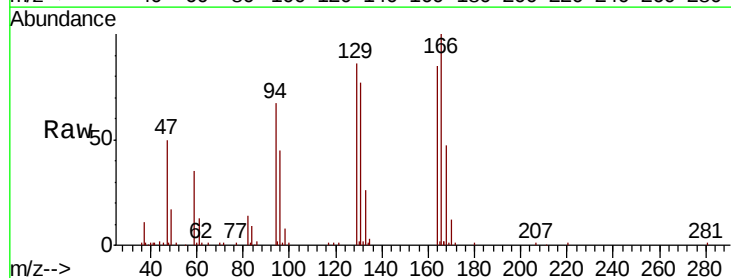
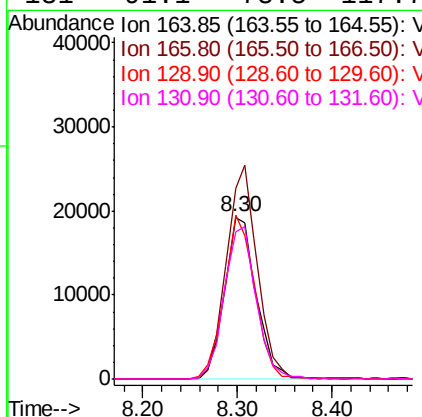
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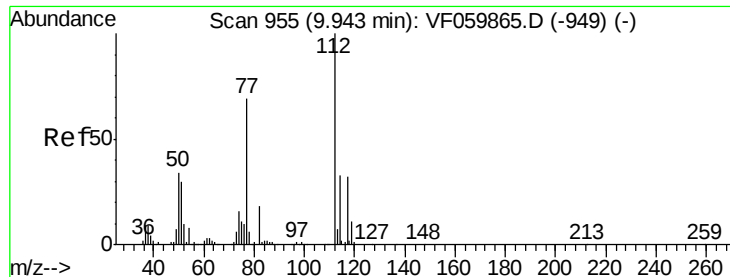
apatel
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#64
Tetrachloroethene
Concen: 19.74 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.2	104.4	156.6
129	101.3	80.3	120.5
131	91.1	78.5	117.7





#65

Chlorobenzene

Concen: 19.89 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion:112 Resp: 105883

Ion Ratio Lower Upper

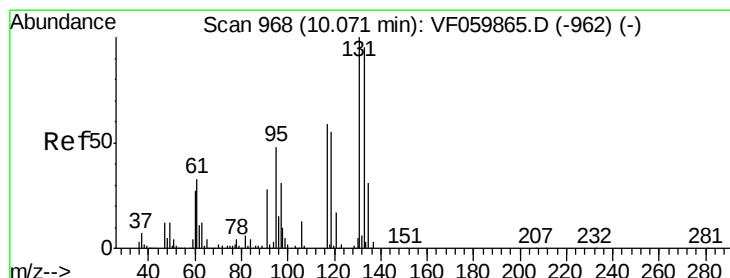
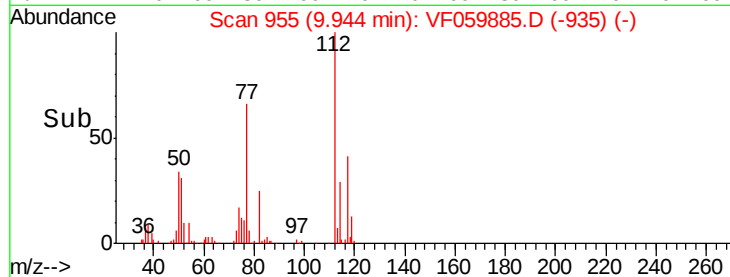
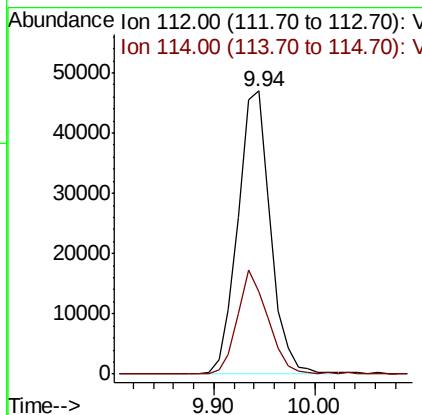
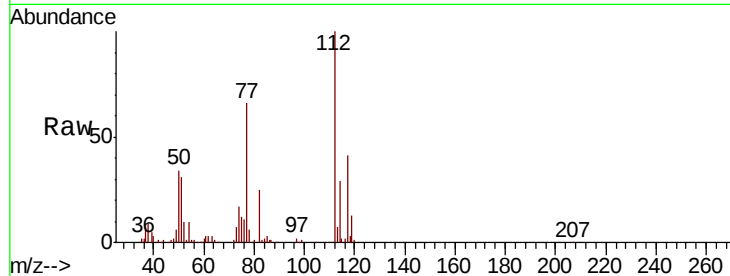
112 100

114 29.3 26.4 39.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.51 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

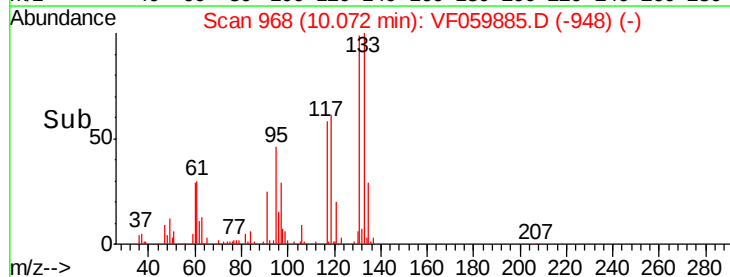
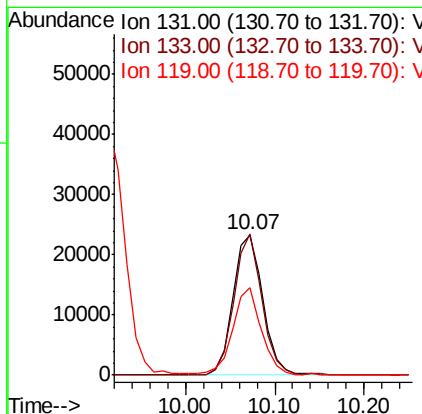
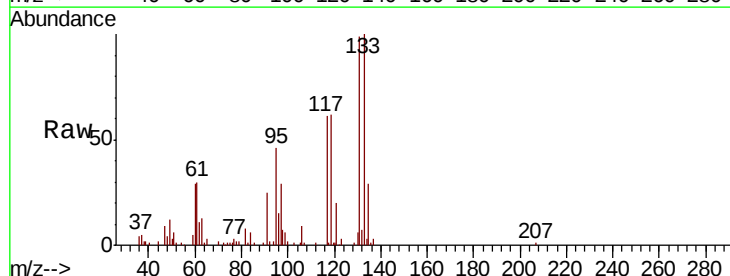
Tgt Ion:131 Resp: 54324

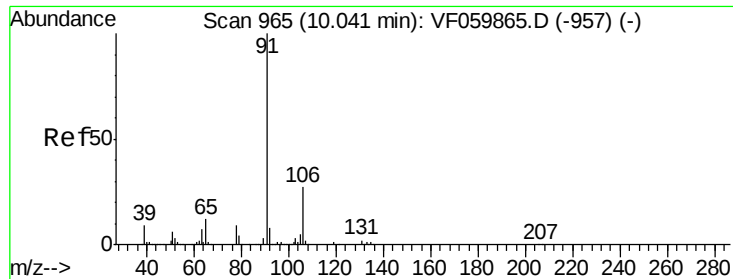
Ion Ratio Lower Upper

131 100

133 100.8 47.4 142.2

119 62.4 27.7 83.1





#67

Ethyl Benzene

Concen: 21.77 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 91 Resp: 201923

Ion Ratio Lower Upper

91 100

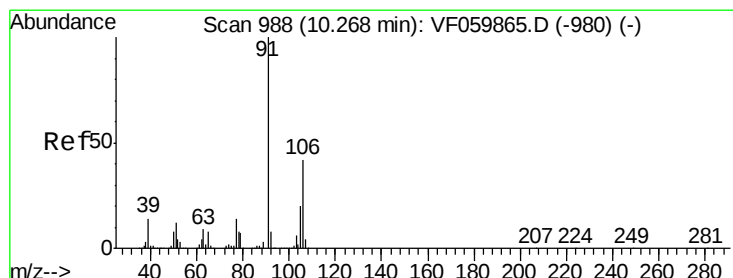
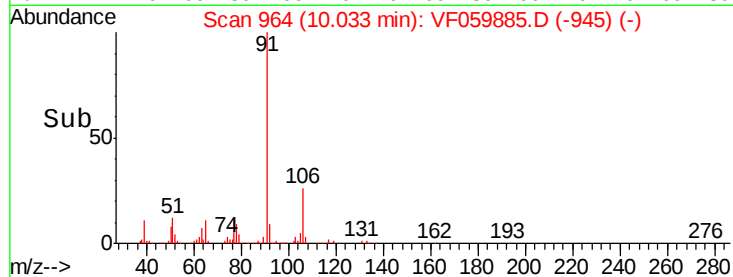
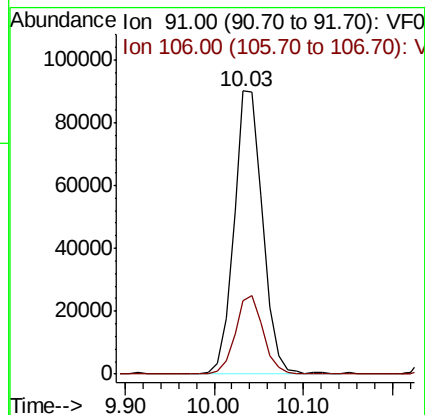
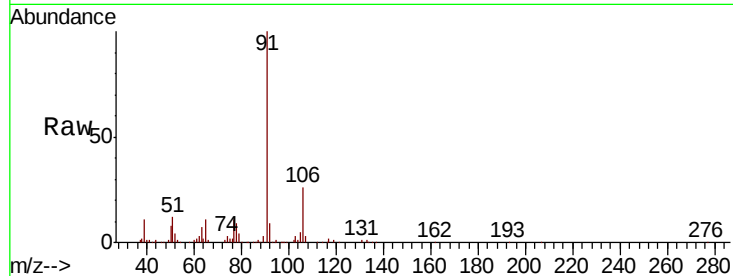
106 26.0 21.5 32.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 45.63 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059885.D

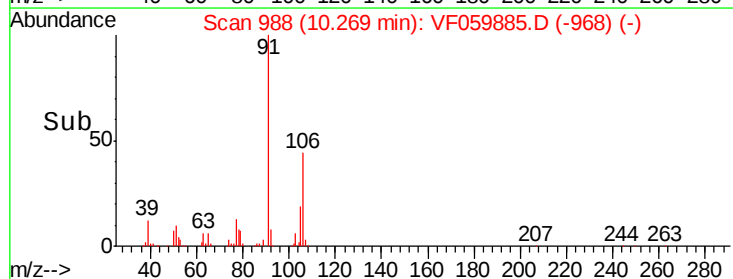
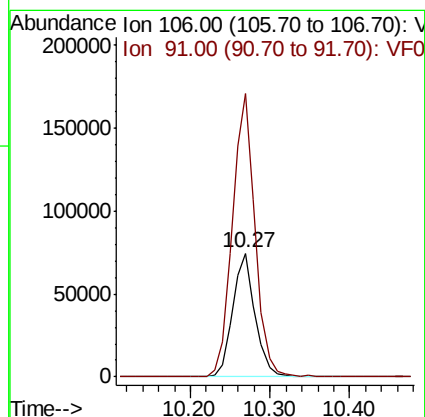
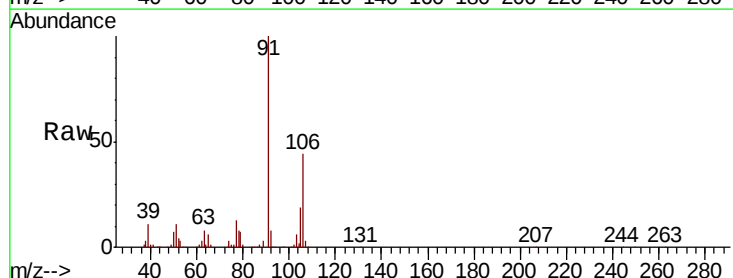
Acq: 6 Aug 2018 19:40

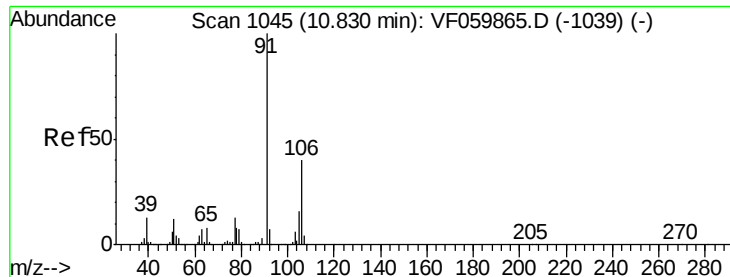
Tgt Ion: 106 Resp: 146319

Ion Ratio Lower Upper

106 100

91 229.4 192.1 288.1





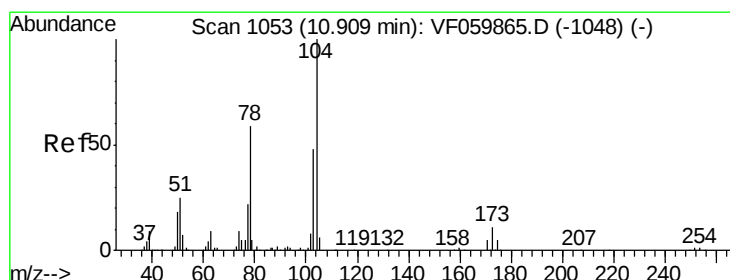
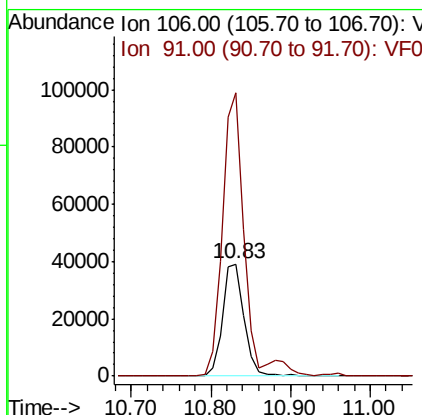
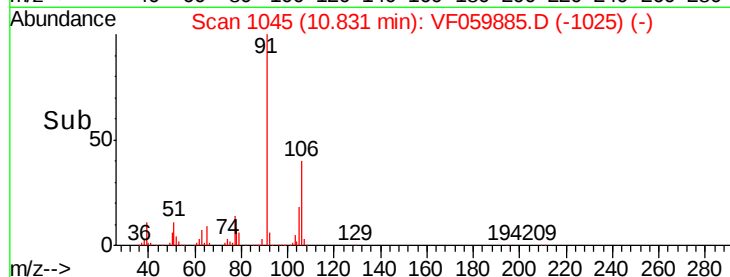
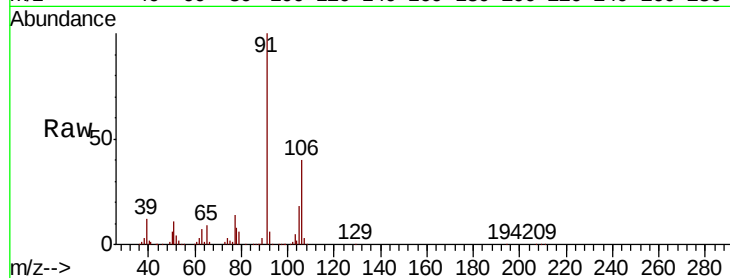
#69
o-Xylene
Concen: 22.09 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion:106 Resp: 75015
Ion Ratio Lower Upper
106 100
91 252.1 125.4 376.2

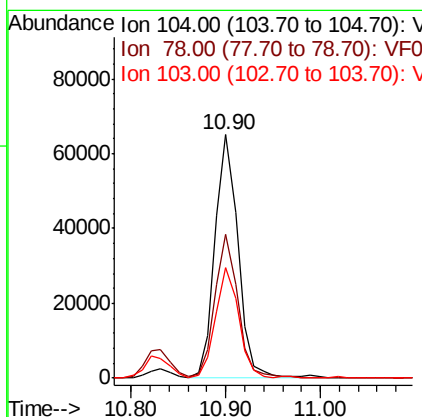
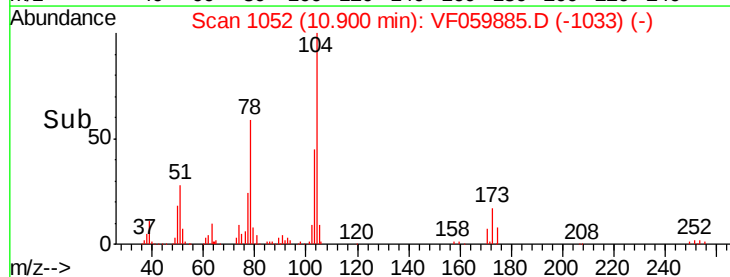
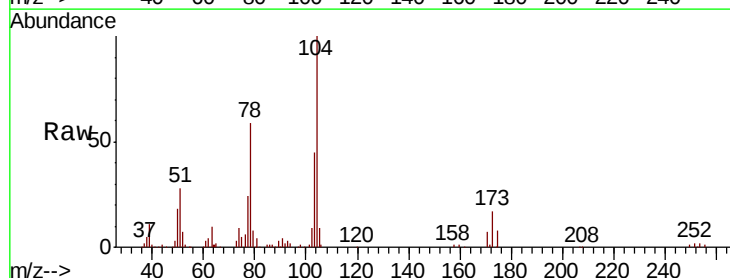
Manual Integrations
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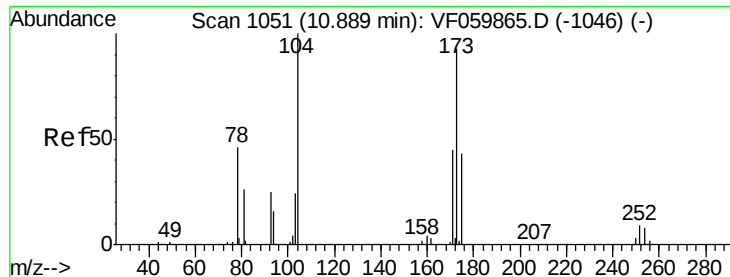
apatel
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#70
Styrene
Concen: 21.99 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion:104 Resp: 111447
Ion Ratio Lower Upper
104 100
78 59.2 47.3 70.9
103 45.2 39.0 58.4





#71

Bromoform

Concen: 21.24 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion:173 Resp: 34476

Ion Ratio Lower Upper

173 100

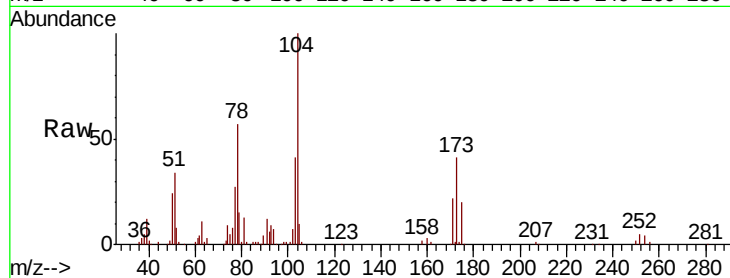
175 48.9 23.4 70.2

254 0.0 0.0 0.0

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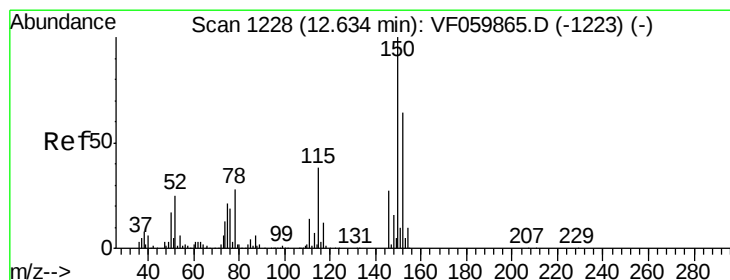
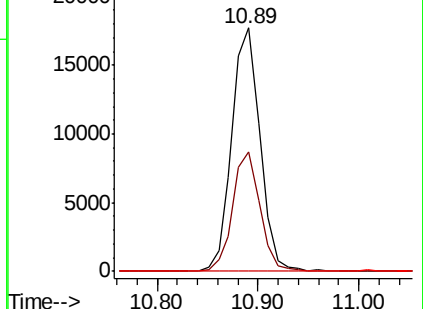
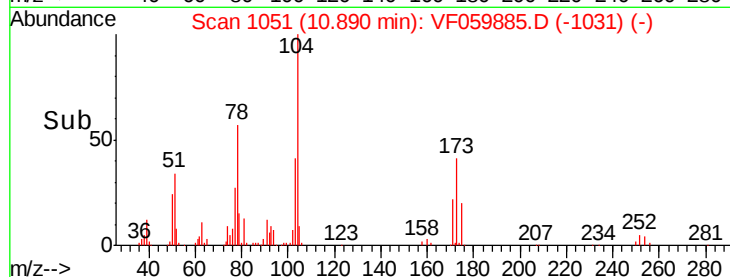
8/7/2018 10:46:46 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

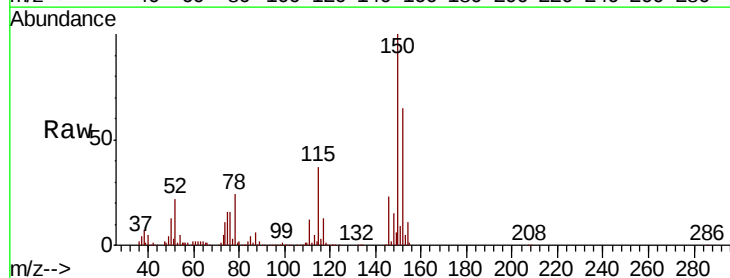
Tgt Ion:152 Resp: 179147

Ion Ratio Lower Upper

152 100

115 56.7 29.8 89.4

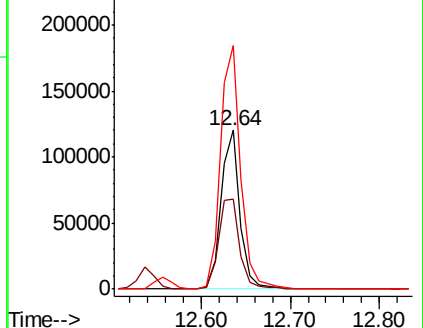
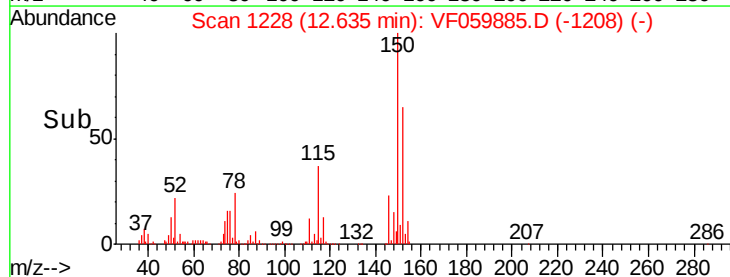
150 153.5 0.0 315.6

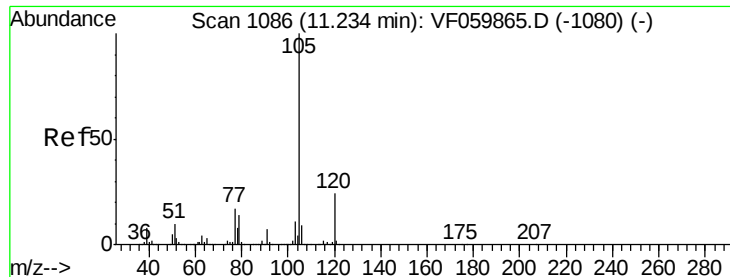


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.56 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion:105 Resp: 240518

Ion Ratio Lower Upper

105 100

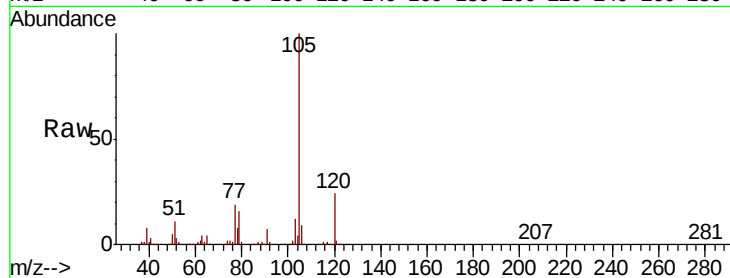
120 23.6 12.1 36.3

Manual Integrations

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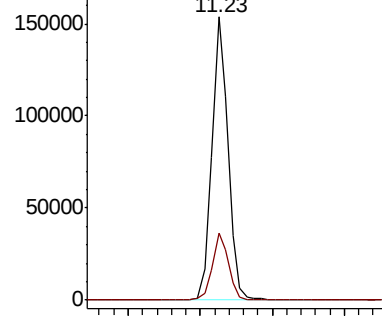
apatel

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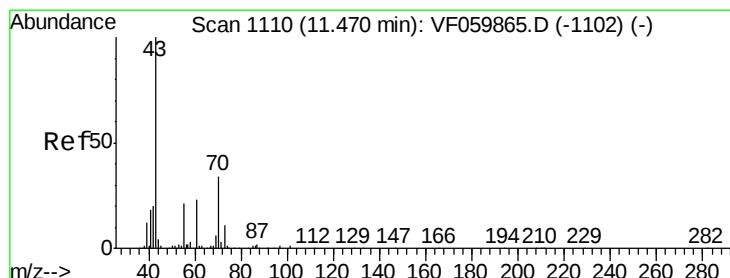
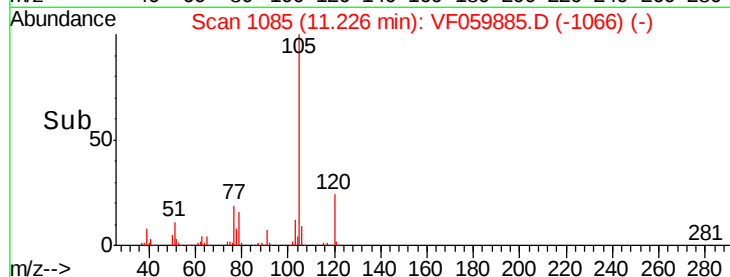


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 21.45 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion: 43 Resp: 54262

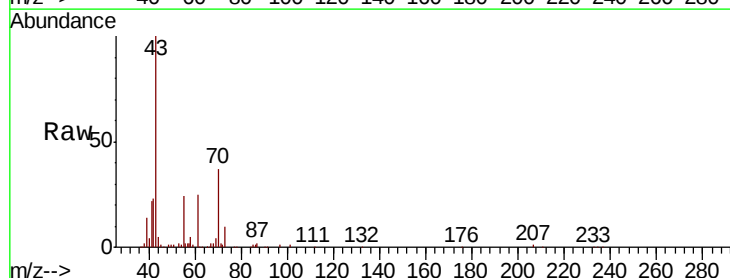
Ion Ratio Lower Upper

43 100

70 36.7 27.5 41.3

55 24.4 16.6 25.0

61 25.1 18.2 27.4

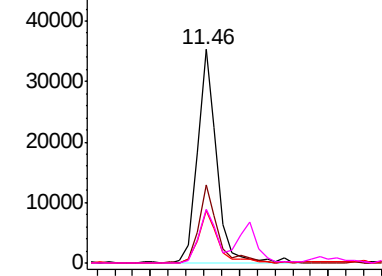


Abundance Ion 43.00 (42.70 to 43.70): VF0

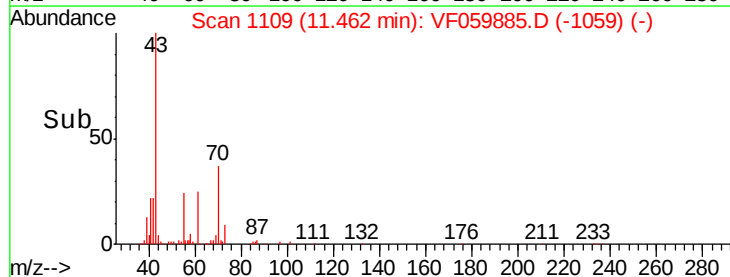
Ion 70.00 (69.70 to 70.70): VF0

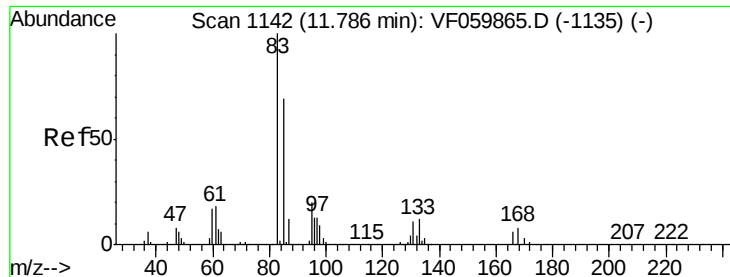
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.92 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

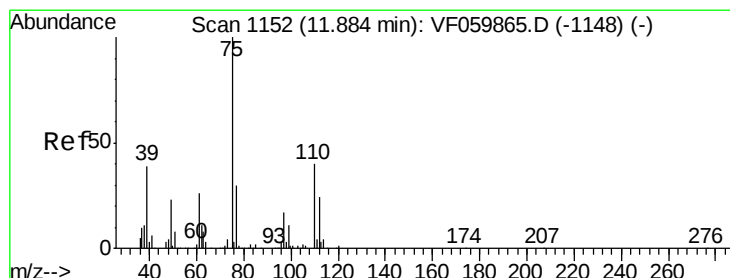
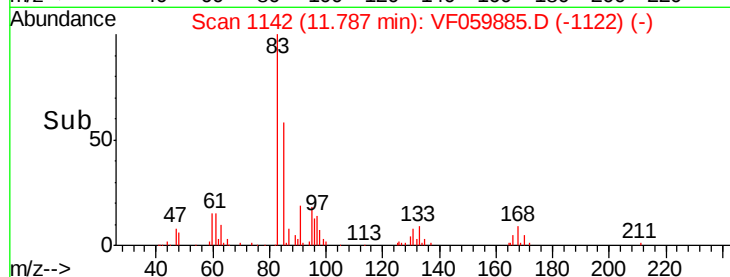
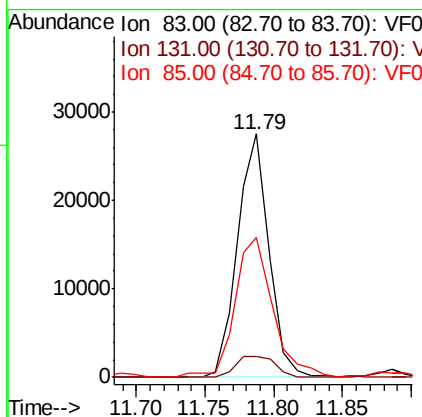
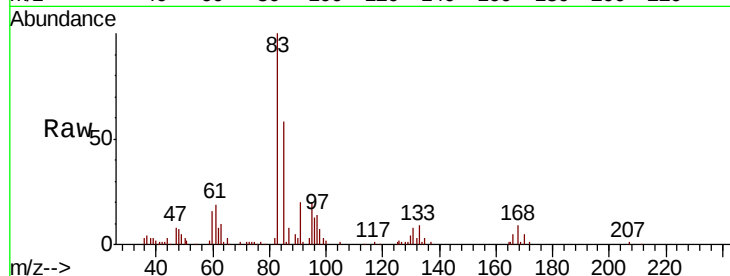
ClientSampleId :

VF0806SBS01

Tot Ion:	83	Resp:	43820
Ion Ratio	Lower	Upper	
83	100		
131	8.4	5.3	15.9
85	57.6	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 19.67 ug/l

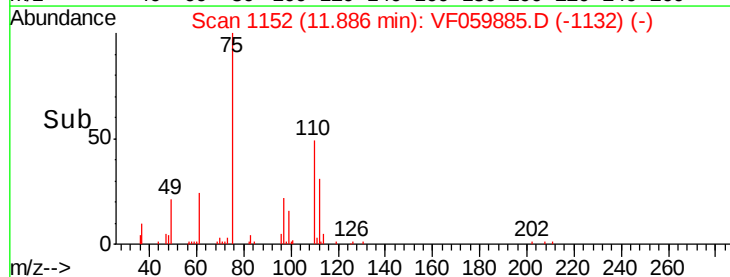
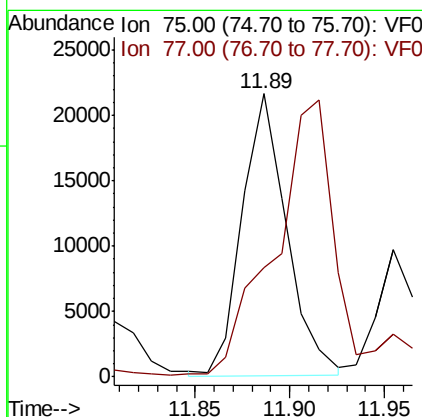
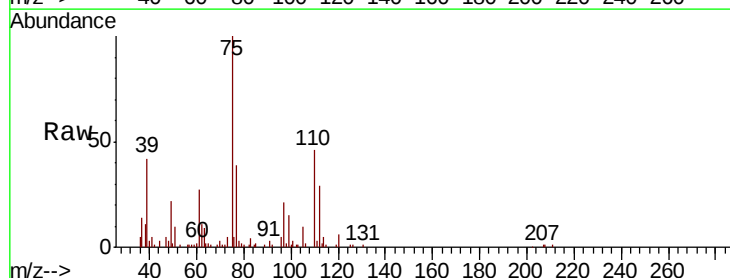
RT: 11.89 min Scan# 1152

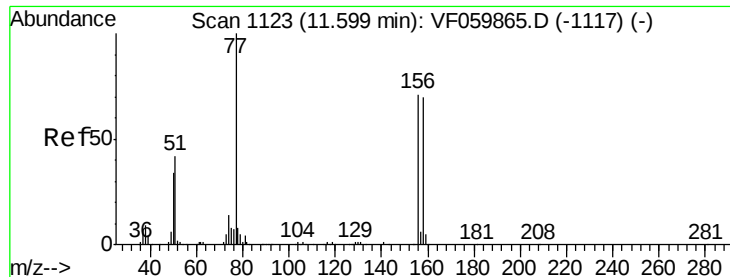
Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion:	75	Resp:	35389
Ion Ratio	Lower	Upper	
75	100		
77	38.8	15.4	46.2





#77

Bromobenzene

Concen: 20.48 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

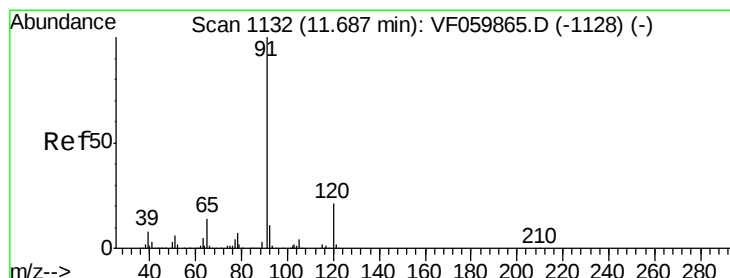
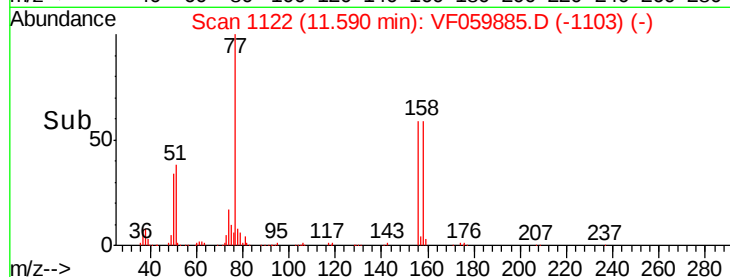
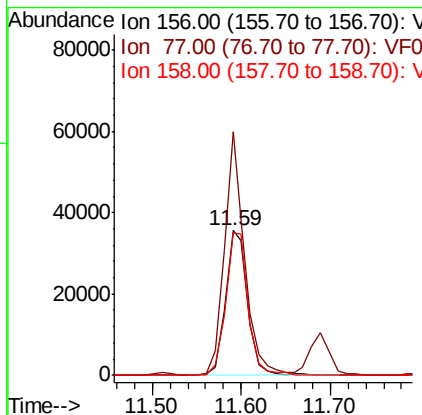
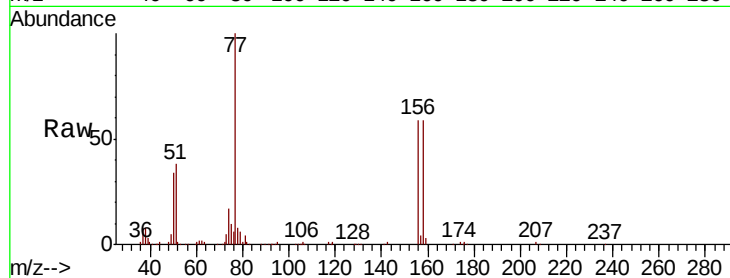
ClientSampleId :

VF0806SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	168.5	70.2	210.6	
158	98.7	49.2	147.6	

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#78

n-propylbenzene

Concen: 22.14 ug/l

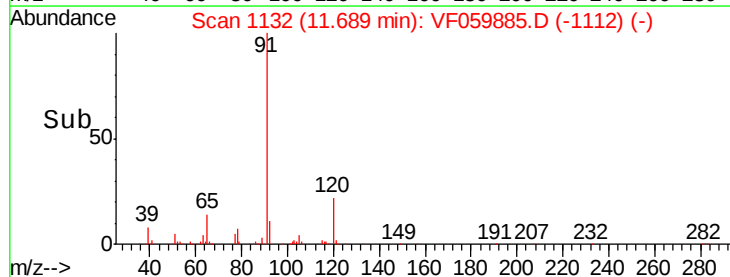
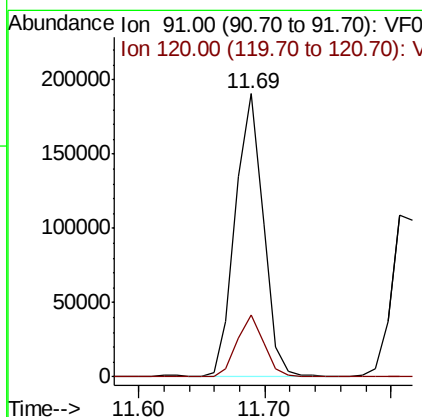
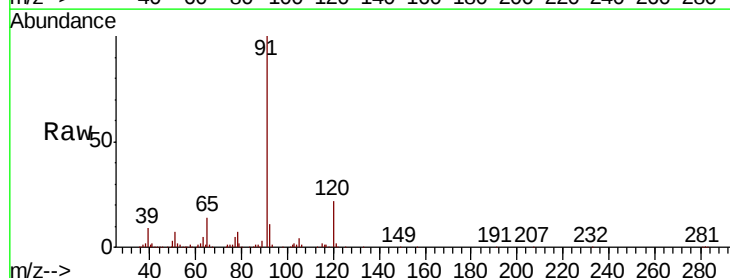
RT: 11.69 min Scan# 1132

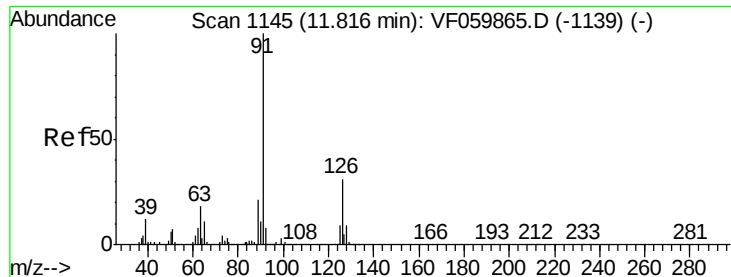
Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	10.4	31.2	





#79

2-Chlorotoluene

Concen: 21.83 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

ClientSampleId :

VF0806SBS01

Tot Ion: 91 Resp: 181997

Ion Ratio Lower Upper

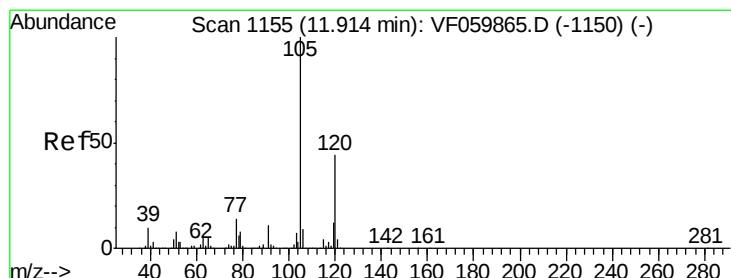
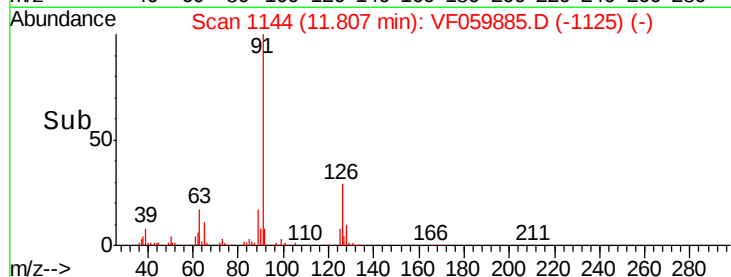
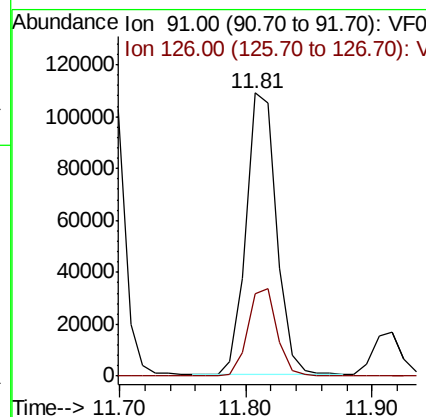
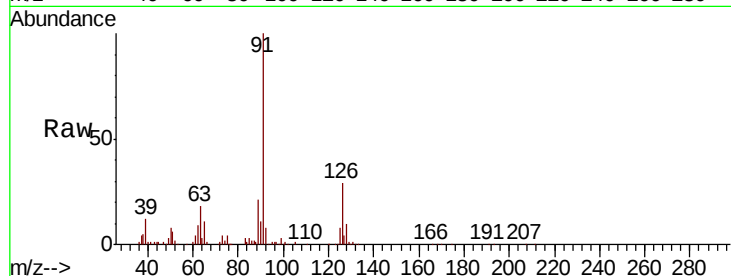
91 100

126 29.2 15.6 46.7

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#80

1,3,5-Trimethylbenzene

Concen: 21.83 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059885.D

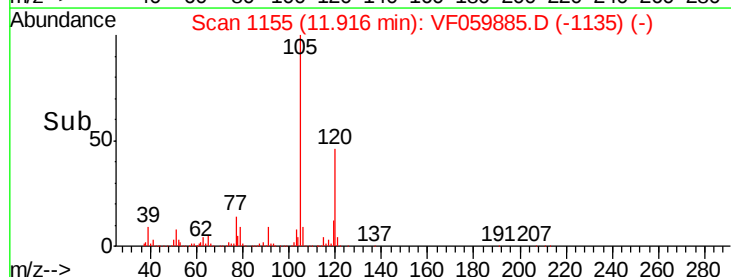
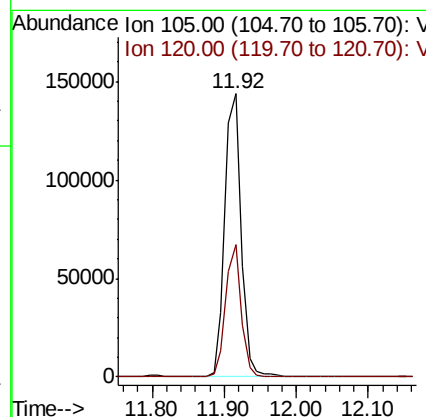
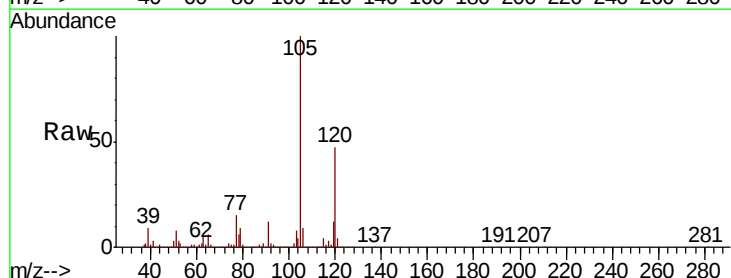
Acq: 6 Aug 2018 19:40

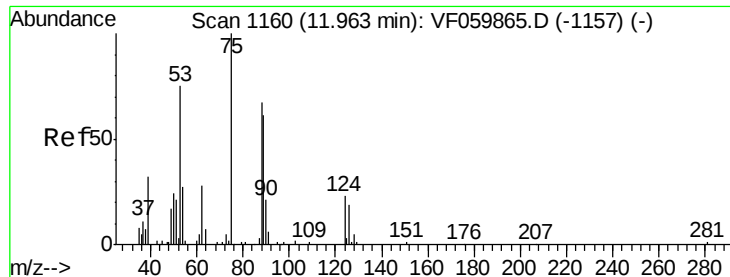
Tgt Ion:105 Resp: 226189

Ion Ratio Lower Upper

105 100

120 46.9 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 34.57 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

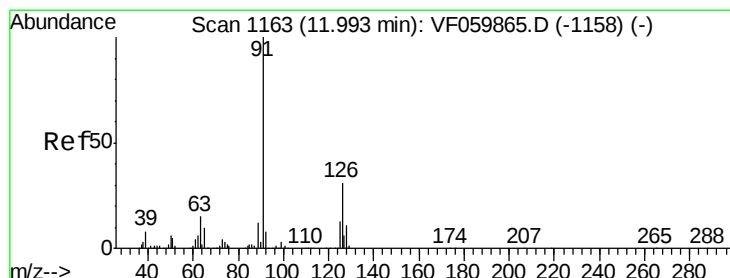
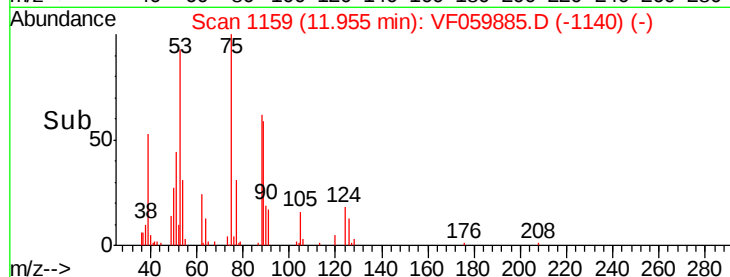
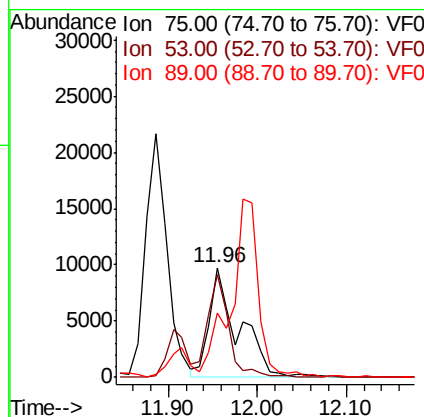
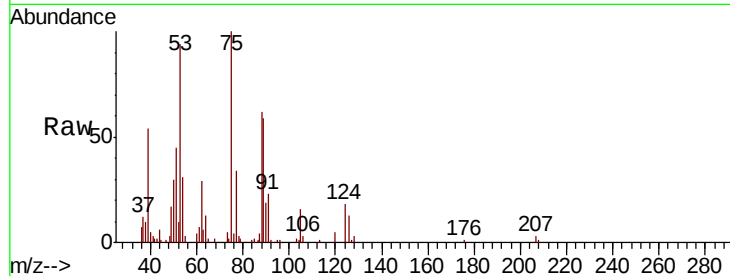
ClientSampleId :

VF0806SBS01

Tot Ion:	75	Resp:	22343
Ion	Ratio	Lower	Upper
75	100		
53	93.9	65.9	98.9
89	59.0	50.6	76.0

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#82

4-Chlorotoluene

Concen: 21.31 ug/l

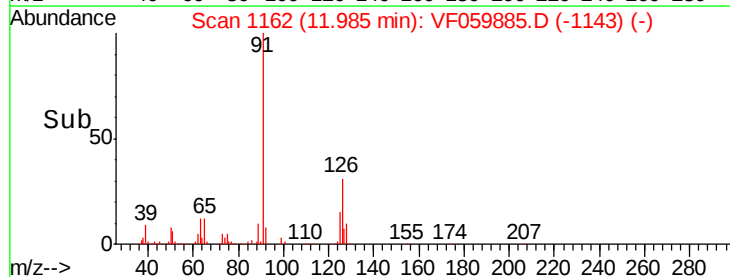
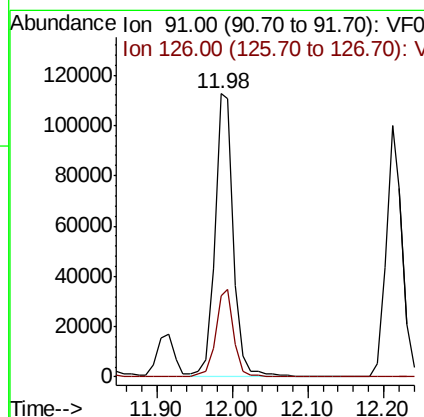
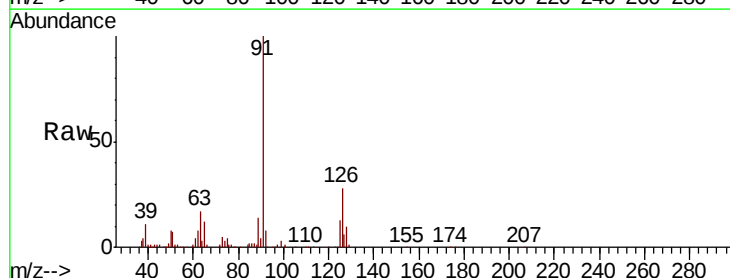
RT: 11.98 min Scan# 1162

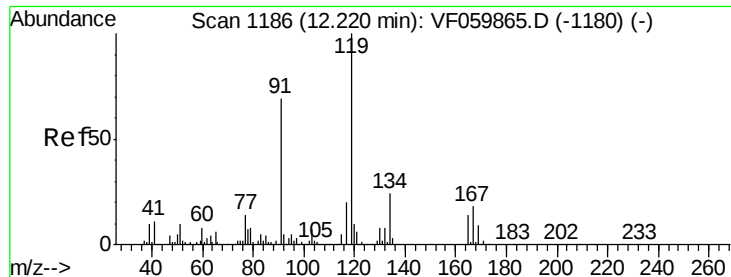
Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion:	91	Resp:	192845
Ion	Ratio	Lower	Upper
91	100		
126	28.5	15.7	47.0





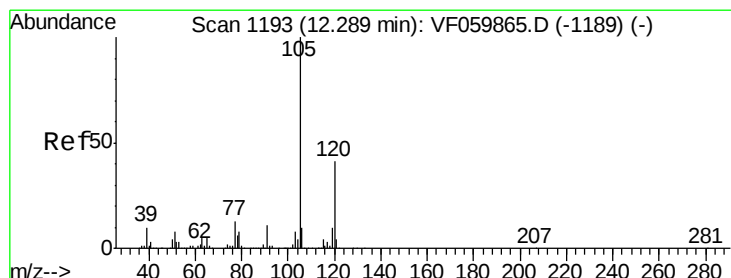
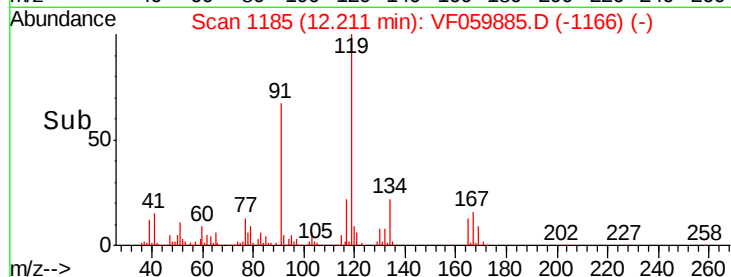
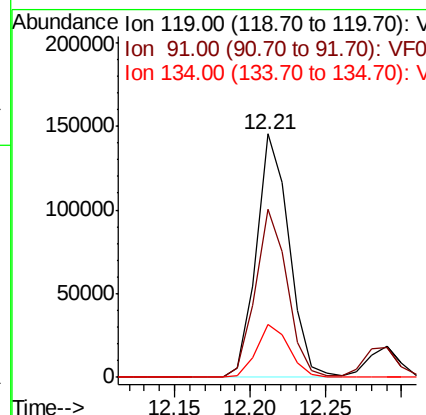
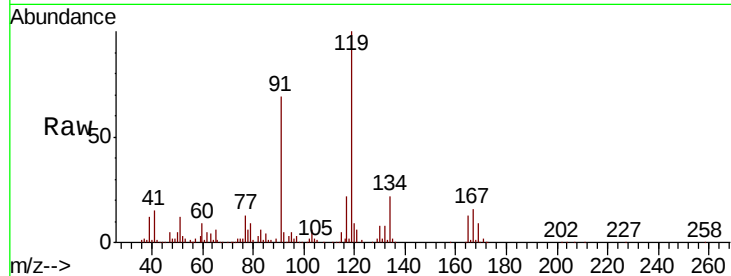
#83
 tert-Butylbenzene
 Concen: 21.81 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219948		
91	68.9		34.4	103.2
134	22.0		12.1	36.3

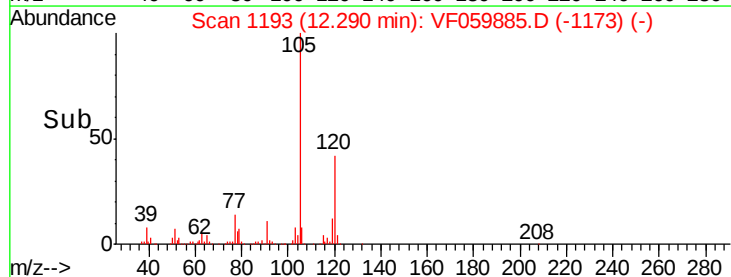
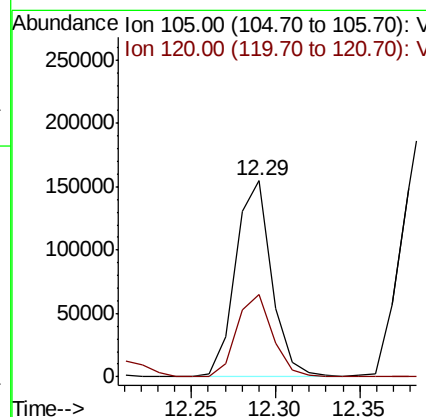
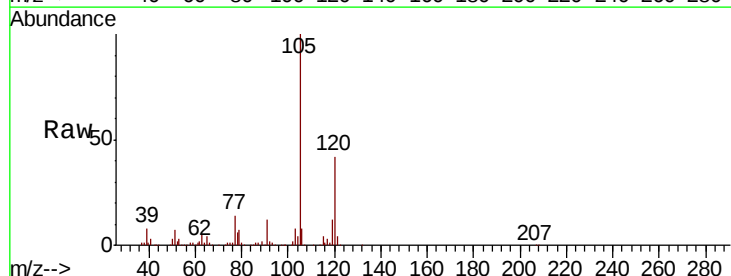
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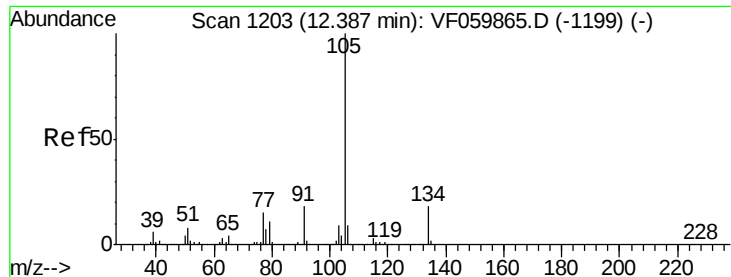
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.61 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230295		
120	41.9		20.8	62.5





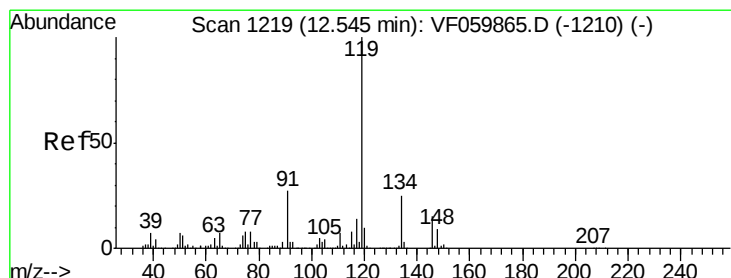
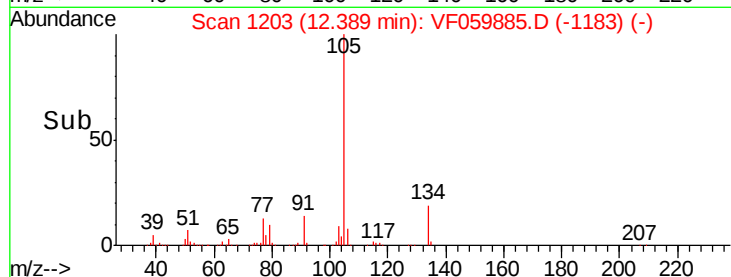
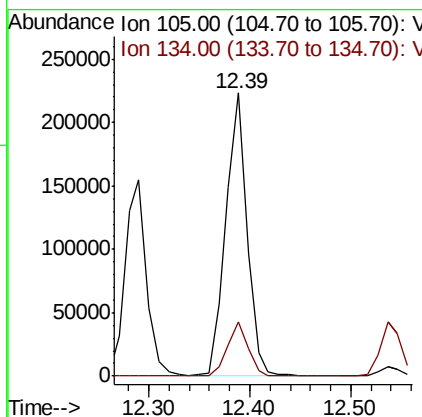
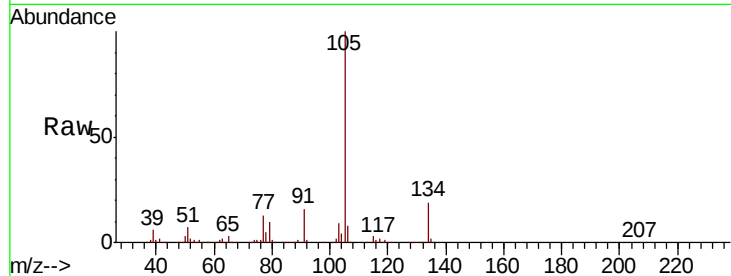
#85
 sec-Butylbenzene
 Concen: 24.36 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	326510		
134	19.1	9.1	27.3	

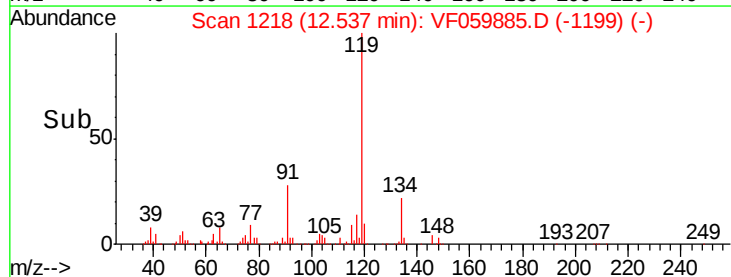
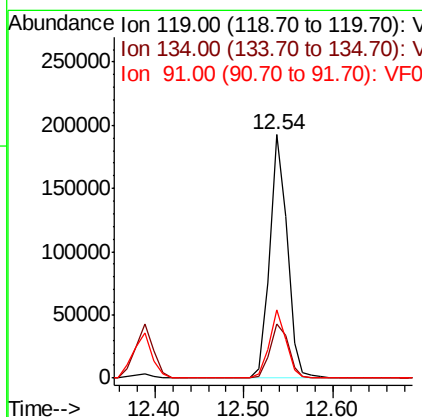
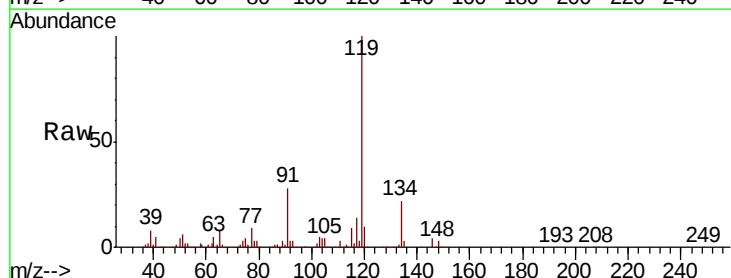
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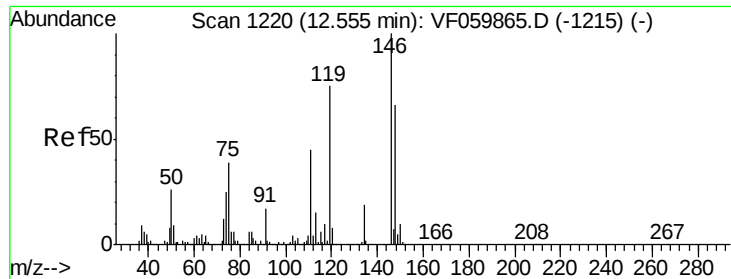
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#86
 p-Isopropyltoluene
 Concen: 23.05 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	259681		
134	22.3	12.4	37.0	
91	28.0	13.6	40.7	





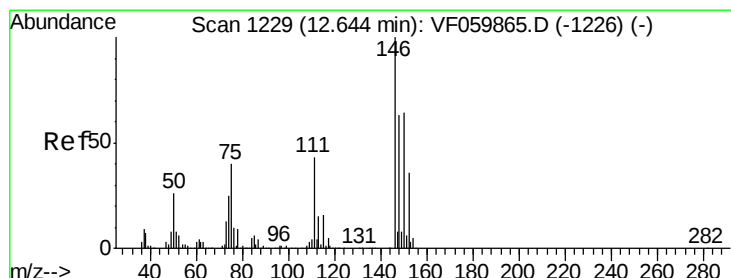
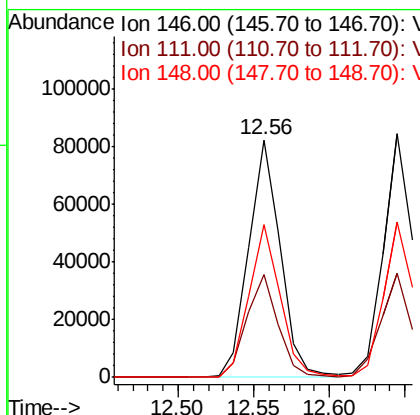
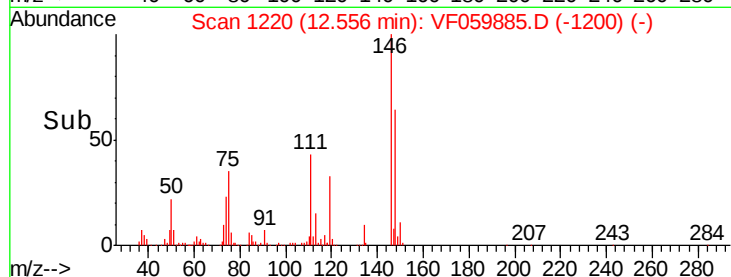
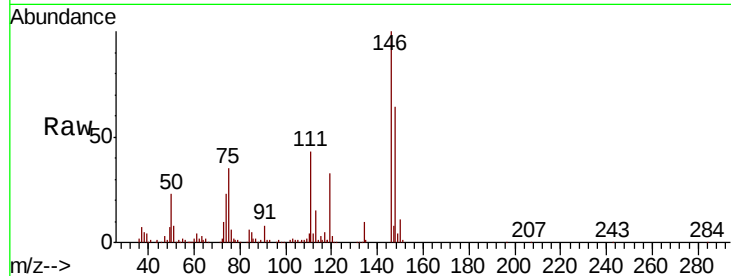
#87
 1,3-Dichlorobenzene
 Concen: 21.04 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.4	67.0
148	64.3	33.1	99.3

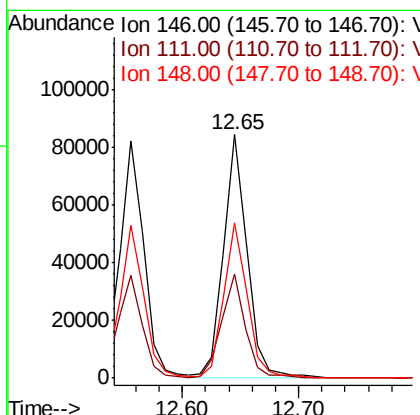
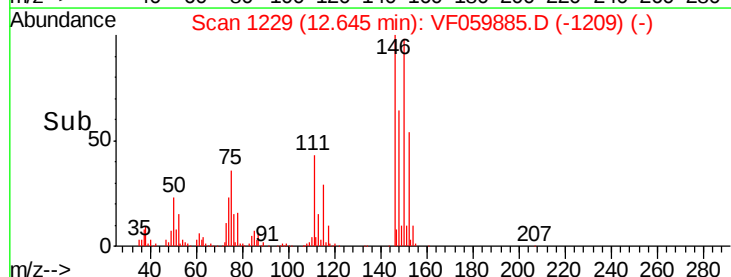
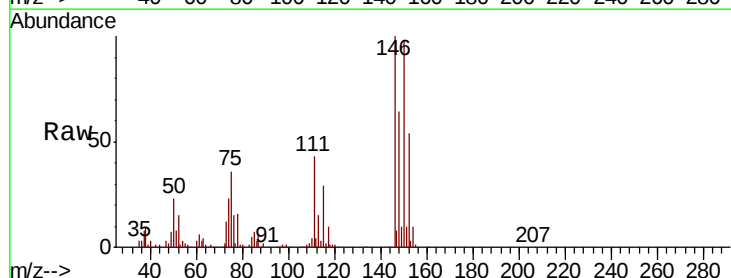
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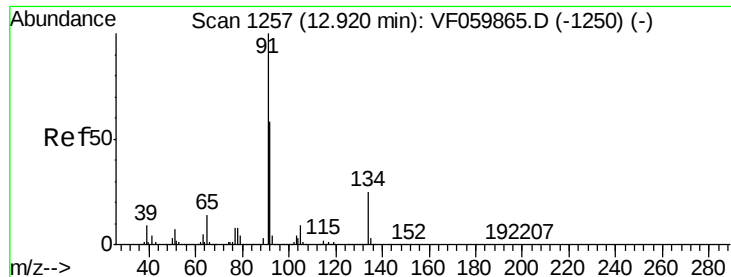
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#88
 1,4-Dichlorobenzene
 Concen: 21.04 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.2
148	63.8	31.6	94.7





#89

n-Butylbenzene

Concen: 23.88 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Instrument :

MSVOA_F

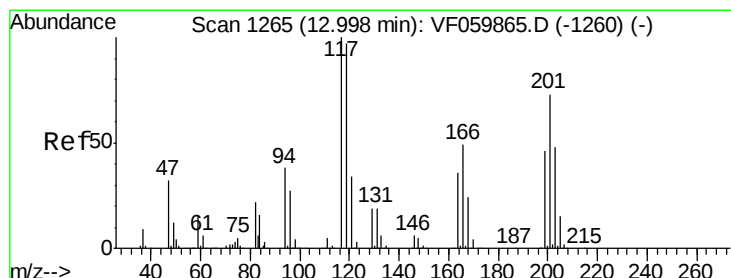
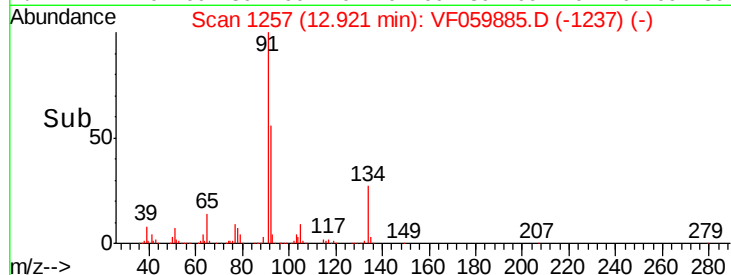
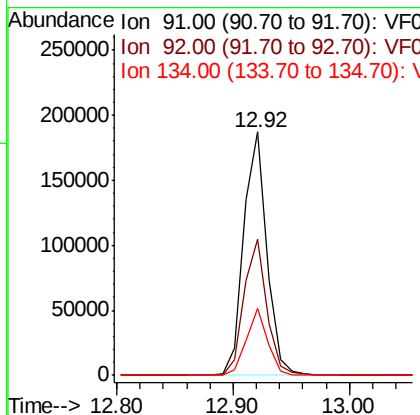
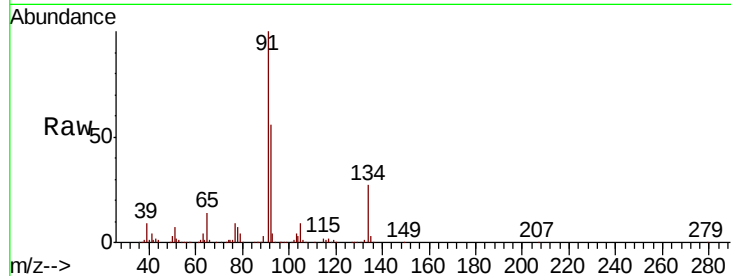
ClientSampleId :

VF0806SBS01

Tot Ion:	91	Resp:	256357
Ion Ratio		Lower	Upper
91	100		
92	55.9	28.8	86.5
134	27.5	12.6	37.6

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#90

Hexachloroethane

Concen: 21.93 ug/l

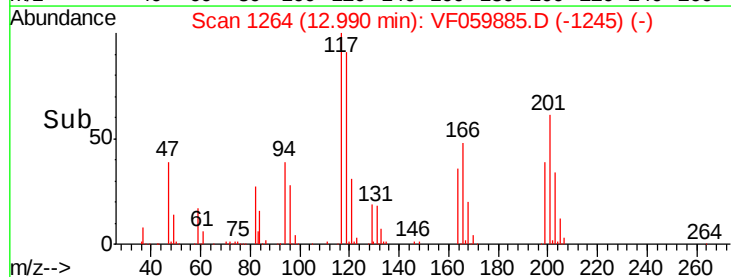
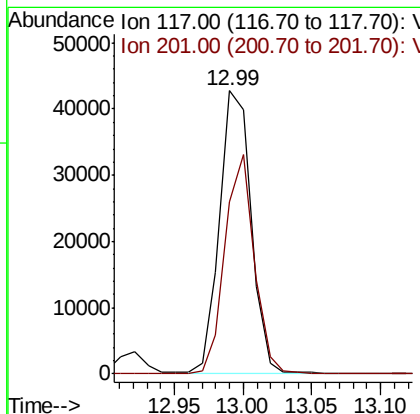
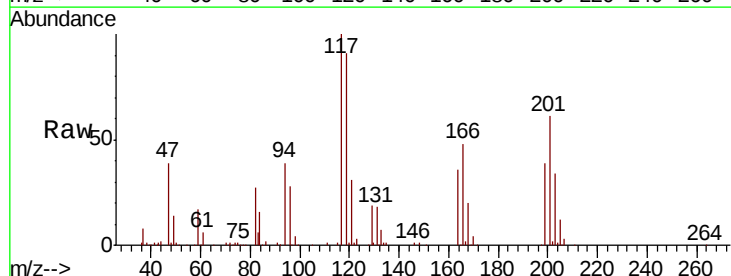
RT: 12.99 min Scan# 1264

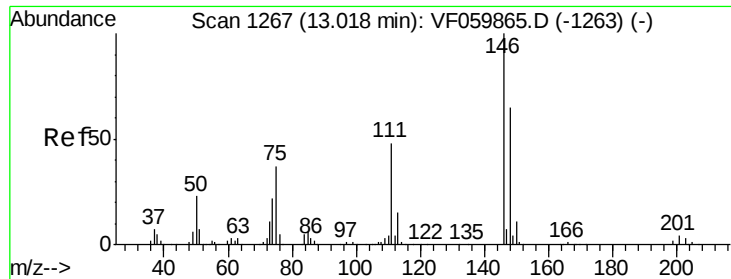
Delta R.T. -0.01 min

Lab File: VF059885.D

Acq: 6 Aug 2018 19:40

Tgt Ion:	117	Resp:	68157
Ion Ratio		Lower	Upper
117	100		
201	62.4	36.6	109.8





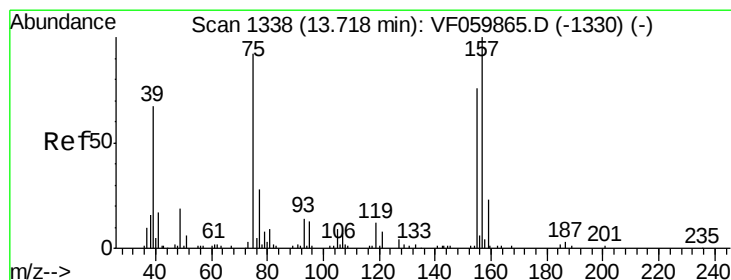
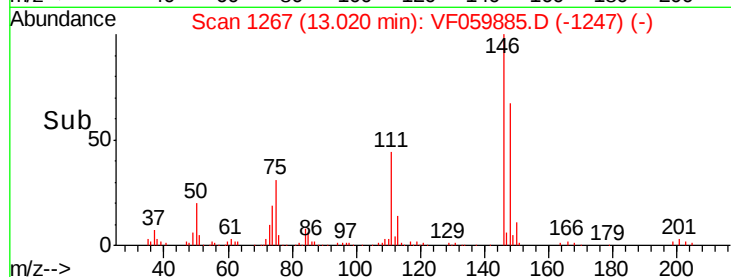
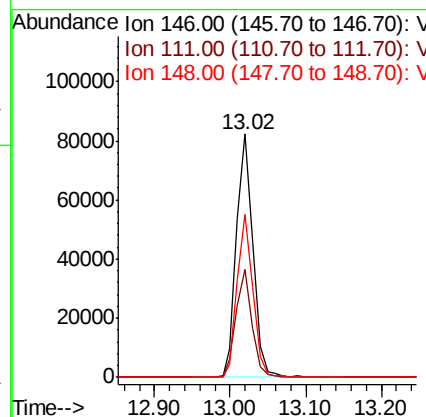
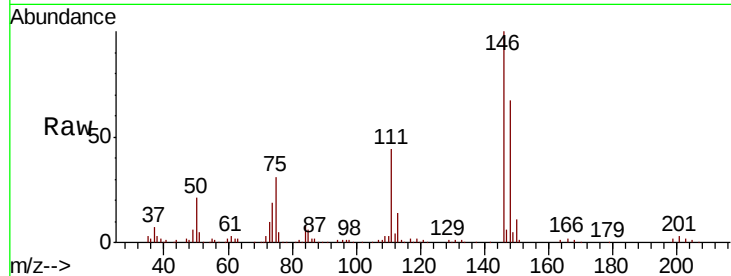
#91
 1,2-Dichlorobenzene
 Concen: 22.28 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	24.1	72.2
148	66.7	32.8	98.3

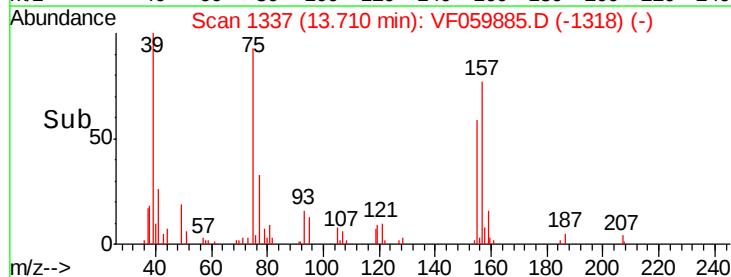
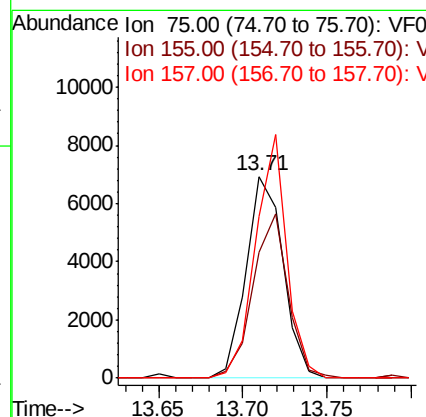
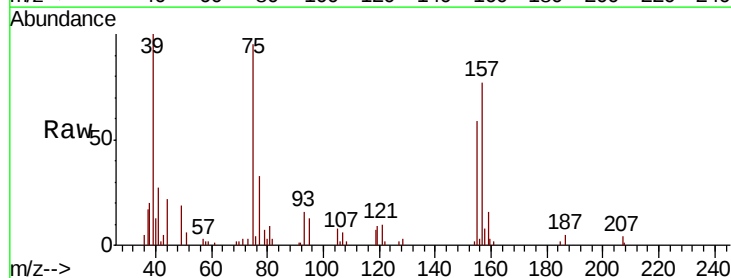
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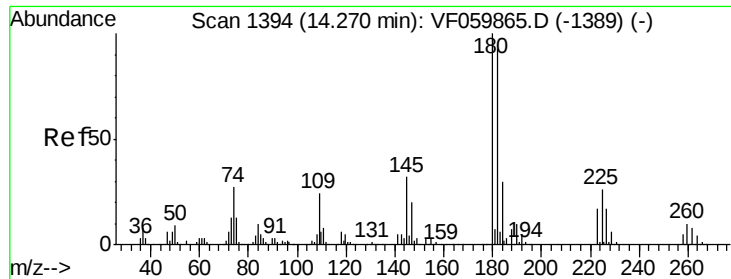
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.01 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.4	41.2	123.6
157	80.4	54.5	163.6





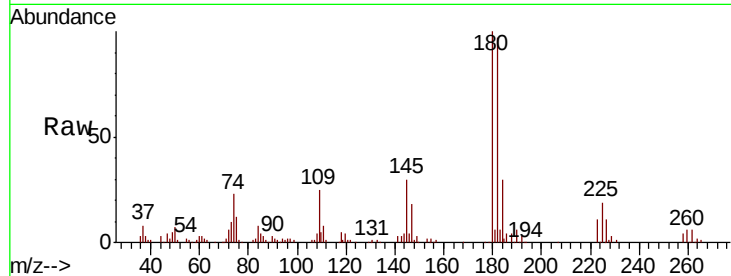
#93
 1,2,4-Trichlorobenzene
 Concen: 22.02 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92490		
182	96.7	46.4	139.2	
145	30.3	15.9	47.7	

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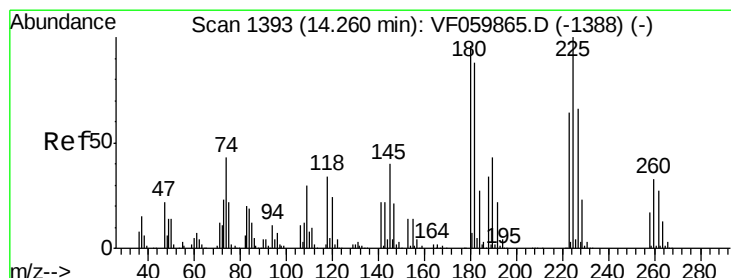
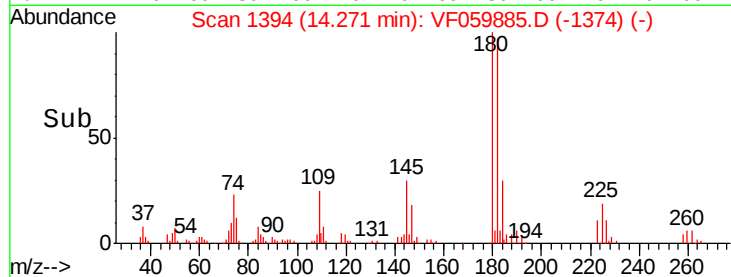
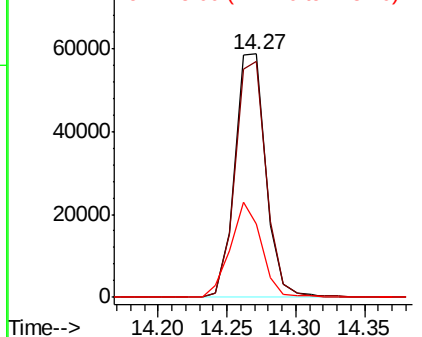


Abundance

Ion 180.00 (179.70 to 180.70): V

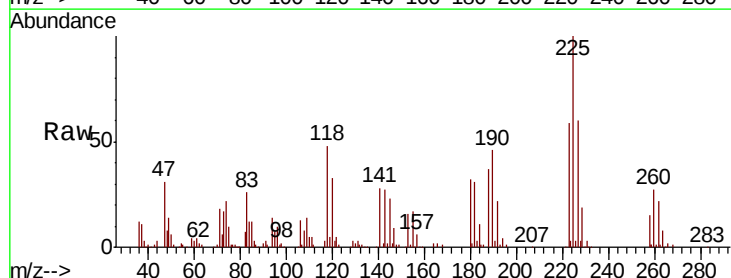
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 24.00 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059885.D
 Acq: 6 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71236		
223	62.0	31.9	95.9	
227	60.5	32.8	98.4	

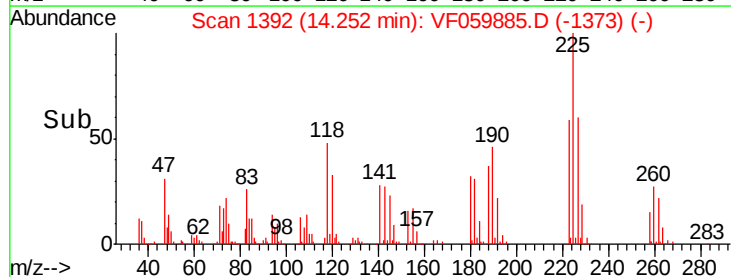
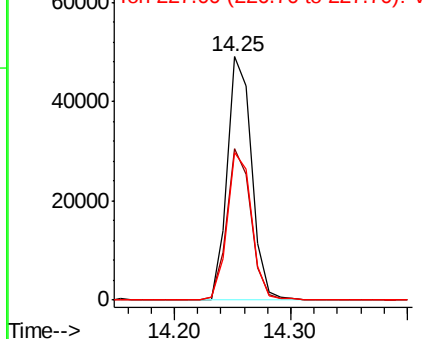


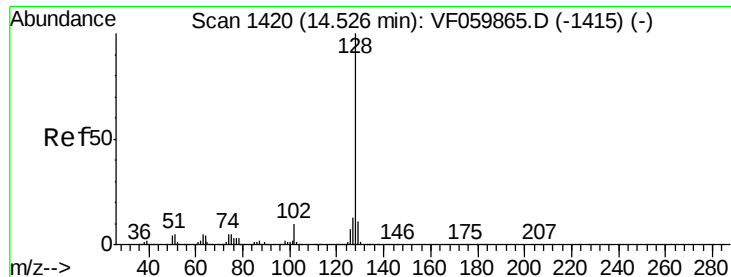
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





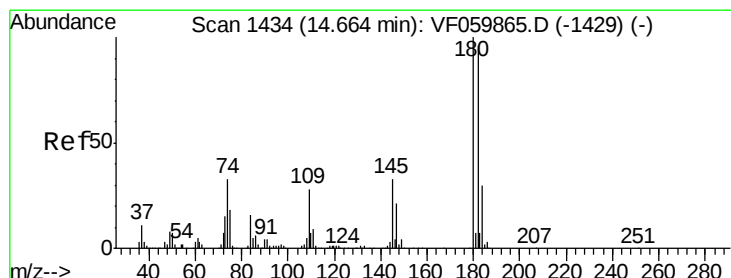
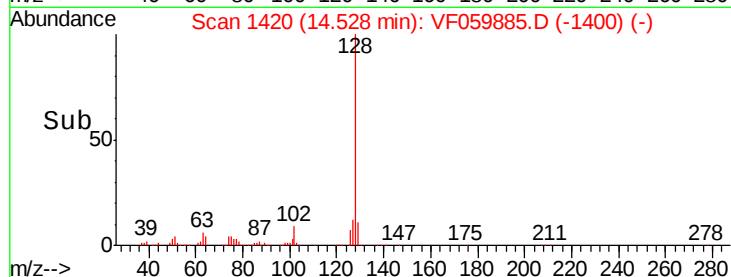
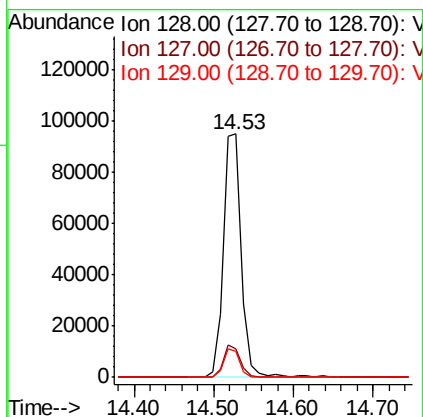
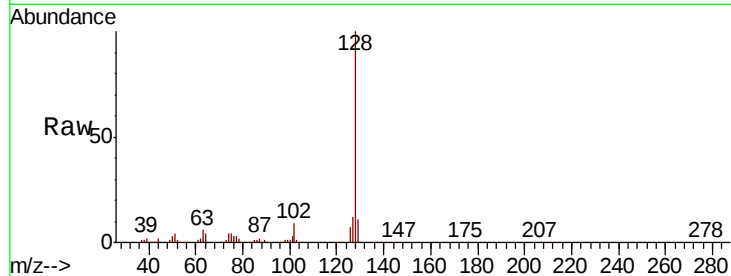
#95
Naphthalene
Concen: 20.79 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Instrument :
MSVOA_F
ClientSampleId :
VF0806SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		151203		
127	11.7		10.4	15.6	
129	10.6		9.0	13.6	

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#96
1,2,3-Trichlorobenzene
Concen: 22.16 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059885.D
Acq: 6 Aug 2018 19:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		91938		
182	92.9		48.1	144.3	
145	30.2		16.6	49.8	

