

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059871.D
 Acq On : 4 Aug 2018 8:24
 Operator : VA/AP
 Sample : VF0804SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:22 AM

Quant Time: Aug 06 02:32:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	213355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	306685	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	305497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	197522	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	193462	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	4.30	113	152204	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	7.72	98	346700	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	11.51	95	195973	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	66138	18.14	ug/l	99
3) Chloromethane	1.08	50	34043	20.19	ug/l	91
4) Vinyl Chloride	1.15	62	32158	18.62	ug/l	91
5) Bromomethane	1.34	94	27391	16.80	ug/l	96
6) Chloroethane	1.42	64	20618	19.00	ug/l	99
7) Trichlorofluoromethane	1.54	101	84607m	17.90	ug/l	
8) Diethyl Ether	1.70	74	13207	17.60	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45479	17.43	ug/l	98
10) Methyl Iodide	1.96	142	74096	18.49	ug/l	97
11) Tert butyl alcohol	2.69	59	12948	83.45	ug/l	100
12) 1,1-Dichloroethene	1.85	96	36076	18.93	ug/l	89
13) Acrolein	2.10	56	5745	61.79	ug/l #	69
14) Allyl chloride	2.19	41	54984	17.30	ug/l	93
15) Acrylonitrile	3.07	53	22561	79.35	ug/l #	76
16) Acetone	2.35	43	63523	89.46	ug/l	98
17) Carbon Disulfide	1.89	76	96486	18.96	ug/l	98
18) Methyl Acetate	2.45	43	21201	17.70	ug/l #	90
19) Methyl tert-butyl Ether	2.54	73	98268	18.21	ug/l	97
20) Methylene Chloride	2.28	84	40437	19.18	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	35144	18.56	ug/l	96
22) Diisopropyl ether	2.94	45	113783	18.61	ug/l #	93
23) Vinyl Acetate	3.34	43	282544	95.48	ug/l	99
24) 1,1-Dichloroethane	3.01	63	81609	18.33	ug/l	98
25) 2-Butanone	4.51	43	70633	91.48	ug/l	98
26) 2,2-Dichloropropane	3.76	77	49417	19.07	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	41771	19.62	ug/l	83
28) Bromochloromethane	3.89	49	31084	19.77	ug/l	86
29) Tetrahydrofuran	4.27	42	29355	103.27	ug/l	91
30) Chloroform	4.04	83	109262	18.14	ug/l	98
31) Cyclohexane	3.86	56	46085	20.92	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	88638	18.40	ug/l	98
36) 1,1-Dichloropropene	4.46	75	64807	18.27	ug/l	94
37) Ethyl Acetate	4.30	43	33701	22.13	ug/l	80
38) Carbon Tetrachloride	4.18	117	106088	20.89	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	55658	20.92	ug/l	98
40) Benzene	4.82	78	130634	19.61	ug/l	97
41) Methacrylonitrile	4.93	41	13289	16.53	ug/l #	79
42) 1,2-Dichloroethane	5.13	62	85539	17.41	ug/l	97
43) Isopropyl Acetate	7.12	43	30522	19.46	ug/l	92
44) Trichloroethene	5.68	130	47183	19.97	ug/l	92
45) 1,2-Dichloropropane	6.41	63	30489	18.73	ug/l	93
46) Dibromomethane	6.27	93	30752	18.72	ug/l	87
47) Bromodichloromethane	6.55	83	81399	18.12	ug/l	92
48) Methyl methacrylate	6.88	41	22591	18.52	ug/l #	88
49) 1,4-Dioxane	6.87	88	2763	370.28	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	154971	96.64	ug/l	98
52) Toluene	7.79	92	88521	19.76	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	64759	18.95	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	69194	19.62	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	33078	20.51	ug/l	99
56) Ethyl methacrylate	8.77	69	29305	18.81	ug/l	86
57) 1,3-Dichloropropane	9.01	76	52793	19.06	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.79	63	19275	90.33	ug/l	100
59) 2-Hexanone	9.64	43	111030	98.02	ug/l	96
60) Dibromochloromethane	8.87	129	56034	18.52	ug/l	92
61) 1,2-Dibromoethane	9.15	107	37574	19.12	ug/l	100
64) Tetrachloroethene	8.31	164	52931	20.08	ug/l	98
65) Chlorobenzene	9.95	112	117965	19.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	56176	18.21	ug/l	91
67) Ethyl Benzene	10.04	91	211488	19.58	ug/l	93
68) m/p-Xylenes	10.27	106	150578	40.32	ug/l	98
69) o-Xylene	10.83	106	82505	20.86	ug/l	93
70) Styrene	10.91	104	121272	20.54	ug/l	96
71) Bromoform	10.89	173	35133	18.59	ug/l	95
73) Isopropylbenzene	11.24	105	263699	21.43	ug/l	100
74) N-amyl acetate	11.46	43	57093	20.60	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	46150	19.98	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	38949	19.63	ug/l	92
77) Bromobenzene	11.60	156	66513	19.88	ug/l	94
78) n-propylbenzene	11.69	91	308578	21.24	ug/l	100
79) 2-Chlorotoluene	11.82	91	188740	20.54	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	231263	20.24	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	12986m	18.22	ug/l	
82) 4-Chlorotoluene	12.00	91	196037	19.64	ug/l	96
83) tert-Butylbenzene	12.22	119	232833	20.94	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	246496	20.98	ug/l	99
85) sec-Butylbenzene	12.39	105	306974	20.78	ug/l	99
86) p-Isopropyltoluene	12.54	119	258966	20.85	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	130280	20.55	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	124128	19.95	ug/l	99
89) n-Butylbenzene	12.92	91	247334	20.90	ug/l	99
90) Hexachloroethane	13.00	117	70039	20.44	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	125694	20.60	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	10827	18.59	ug/l	96

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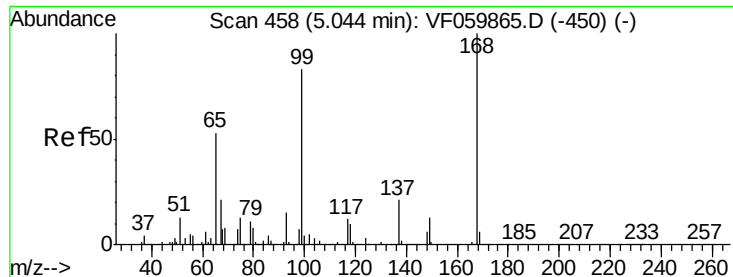
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	92599	19.99	ug/l	96
94) Hexachlorobutadiene	14.26	225	66460	20.31	ug/l	99
95) Naphthalene	14.53	128	160780	20.05	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	90702	19.83	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion:168 Resp: 213355

Ion Ratio Lower Upper

168 100

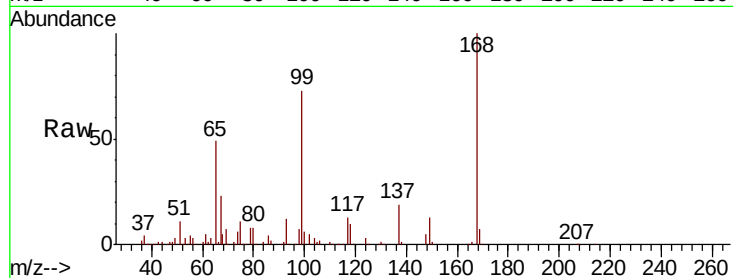
99 72.8 66.3 99.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

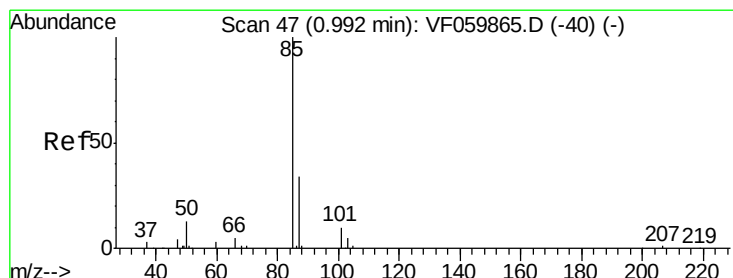
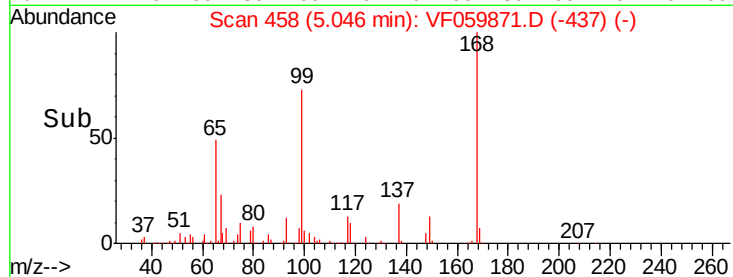
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.14 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059871.D

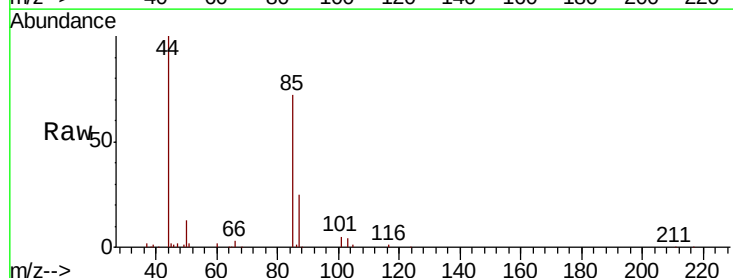
Acq: 4 Aug 2018 8:24

Tgt Ion: 85 Resp: 66138

Ion Ratio Lower Upper

85 100

87 34.3 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

25000

20000

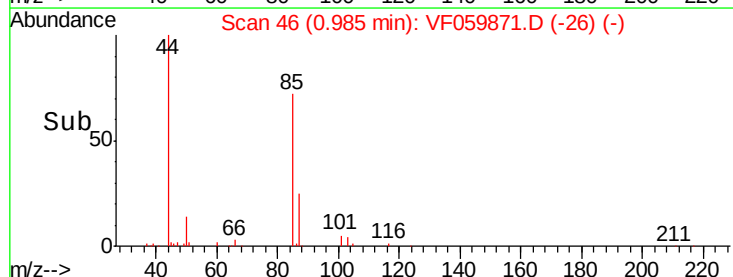
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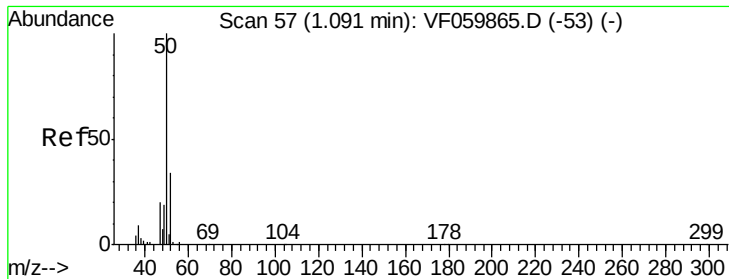
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.19 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 50 Resp: 34043

Ion Ratio Lower Upper

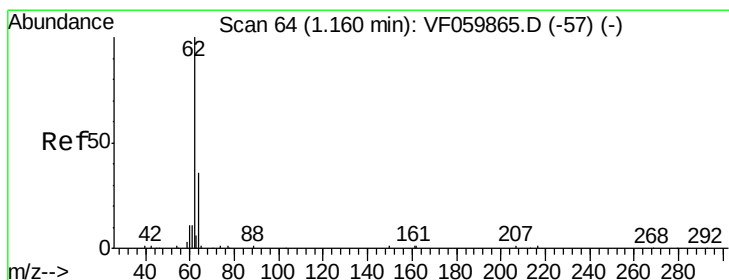
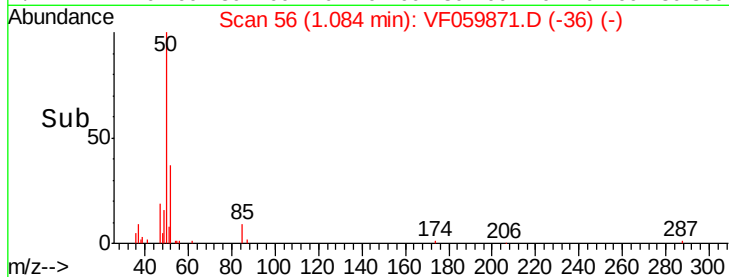
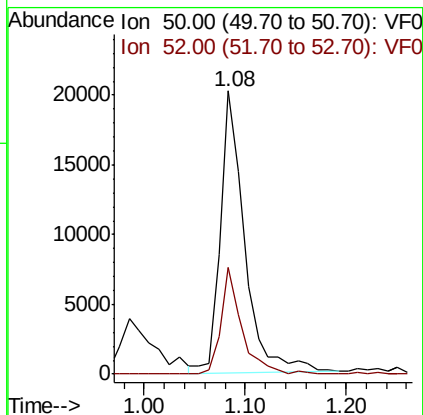
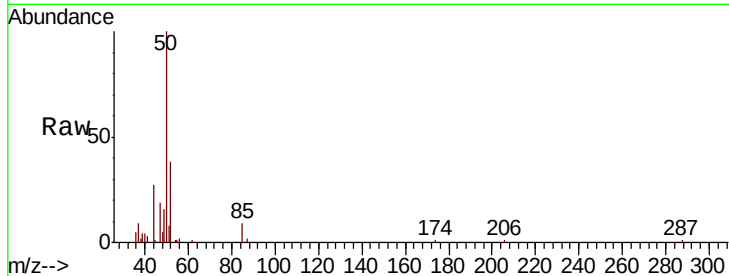
50 100

52 37.6 25.8 38.8

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#4

Vinyl Chloride

Concen: 18.62 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059871.D

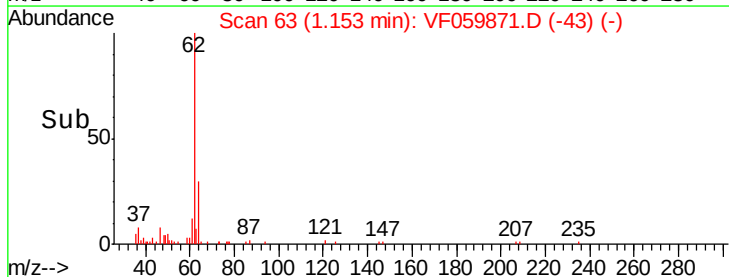
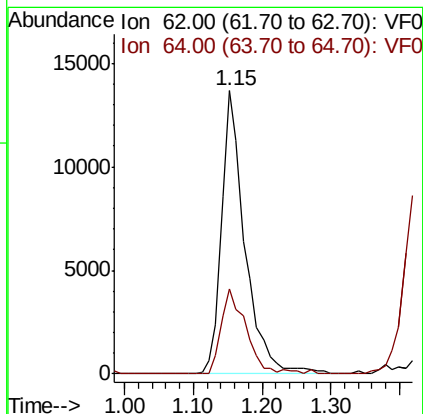
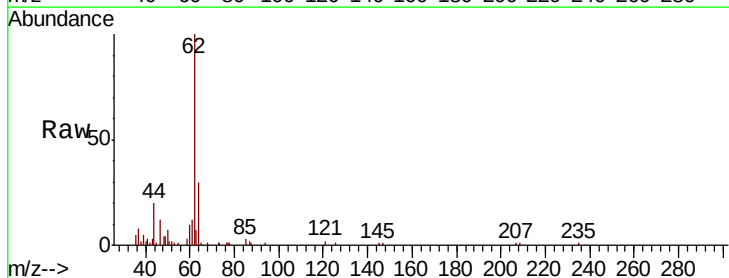
Acq: 4 Aug 2018 8:24

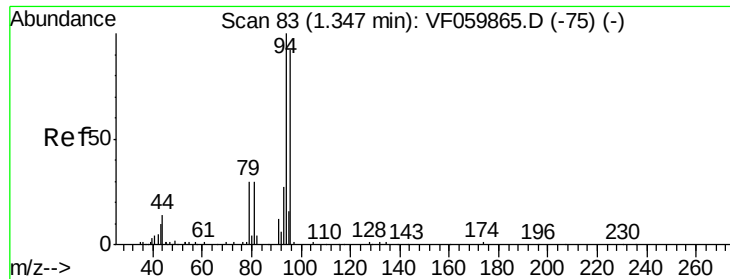
Tgt Ion: 62 Resp: 32158

Ion Ratio Lower Upper

62 100

64 30.2 28.5 42.7





#5

Bromomethane

Concen: 16.80 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 94 Resp: 27391

Ion Ratio Lower Upper

94 100

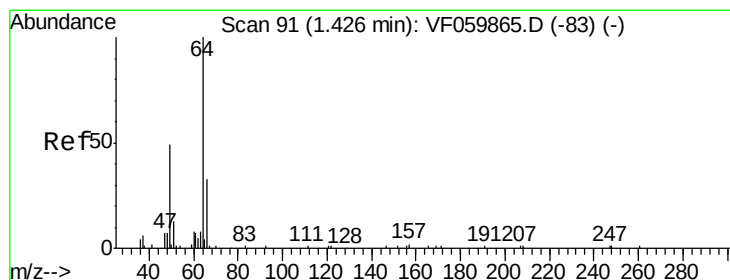
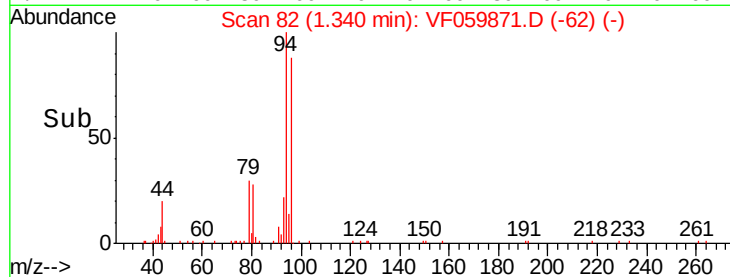
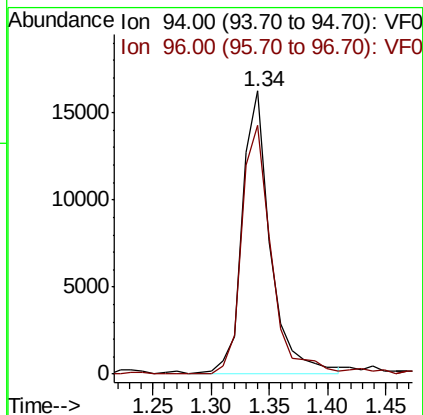
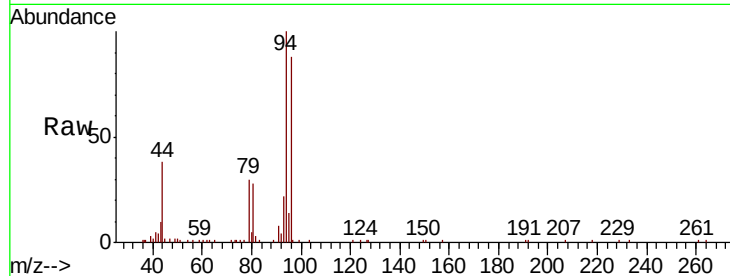
96 88.0 73.8 110.8

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#6

Chloroethane

Concen: 19.00 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059871.D

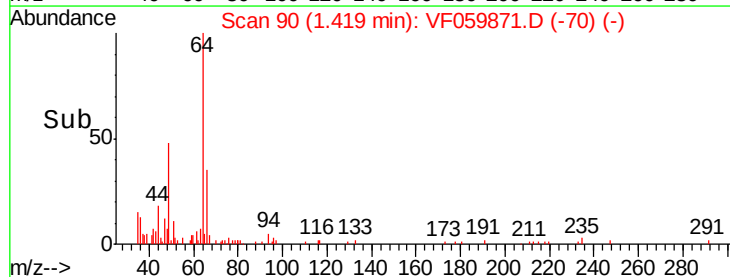
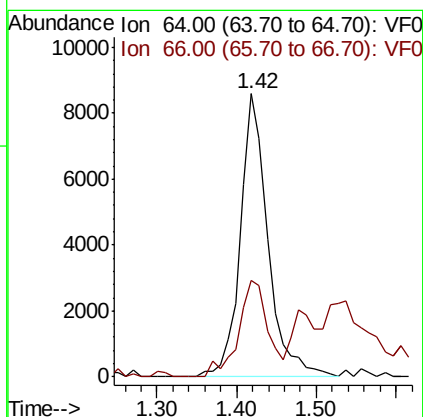
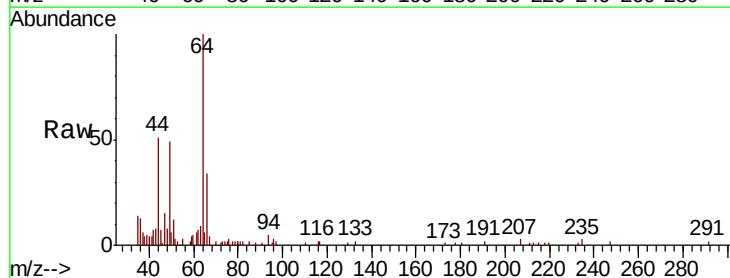
Acq: 4 Aug 2018 8:24

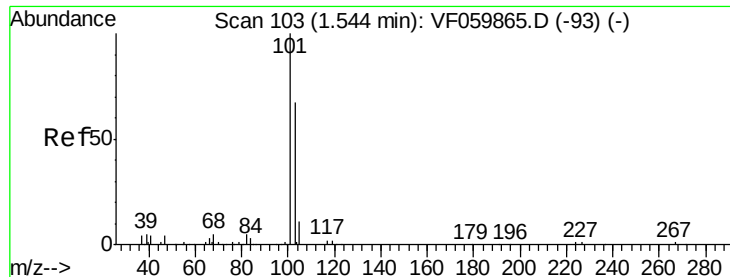
Tgt Ion: 64 Resp: 20618

Ion Ratio Lower Upper

64 100

66 34.2 26.9 40.3





#7

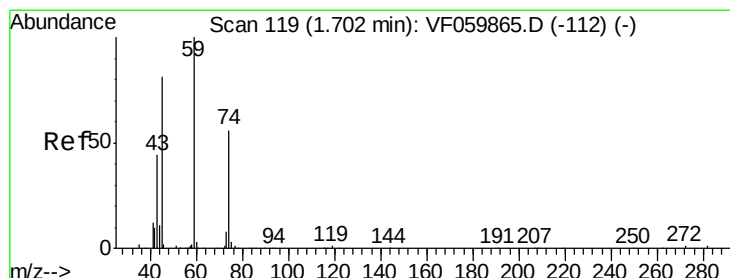
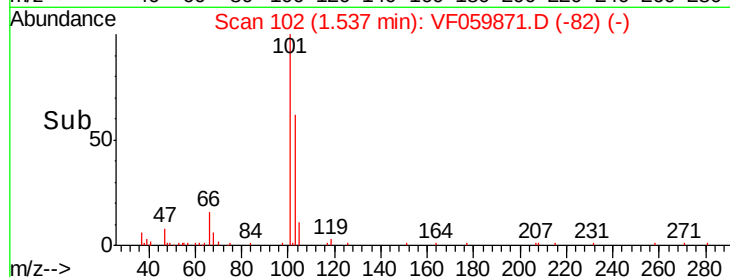
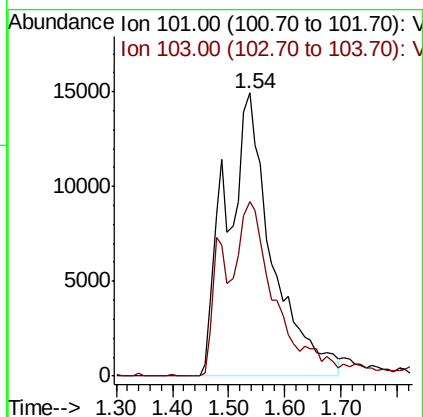
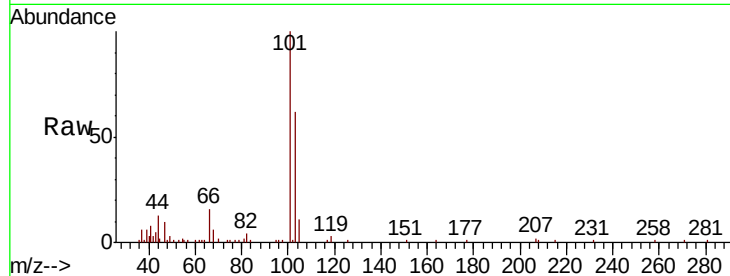
Trichlorofluoromethane
 Concen: 17.90 ug/l m
 RT: 1.54 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

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 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	53.6	80.4

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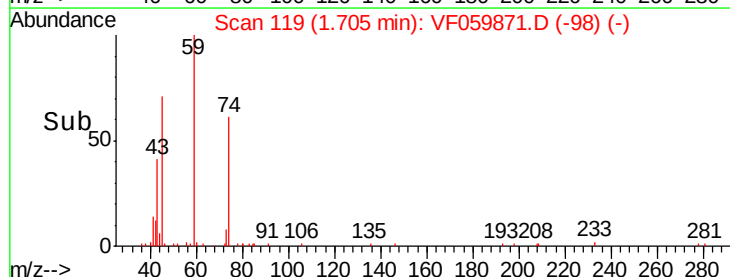
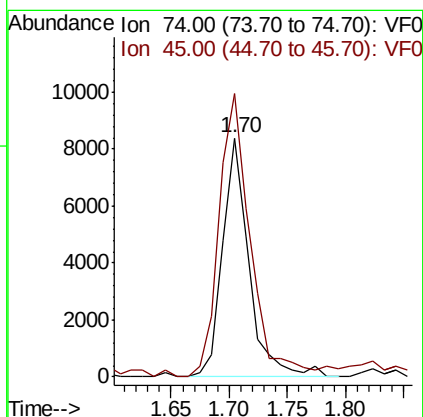
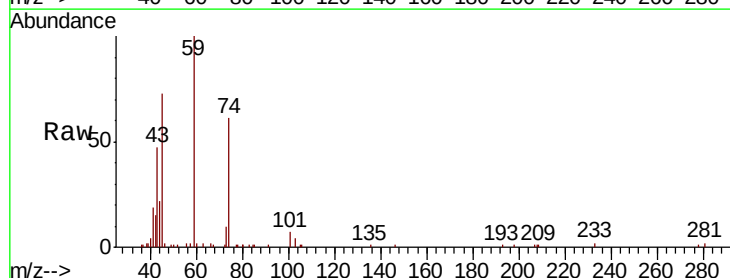
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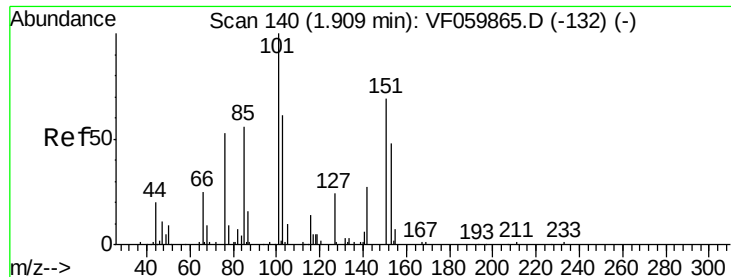


#8

Diethyl Ether
 Concen: 17.60 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.4	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.43 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

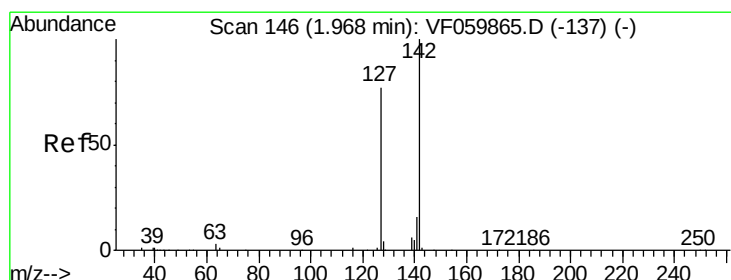
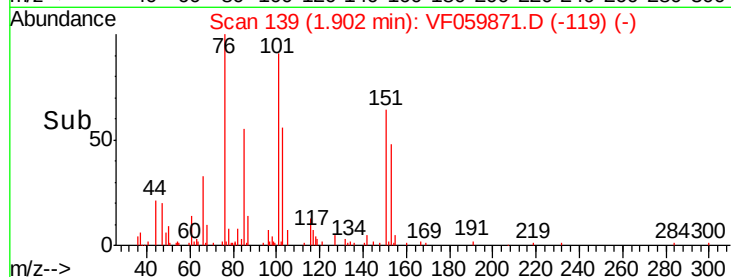
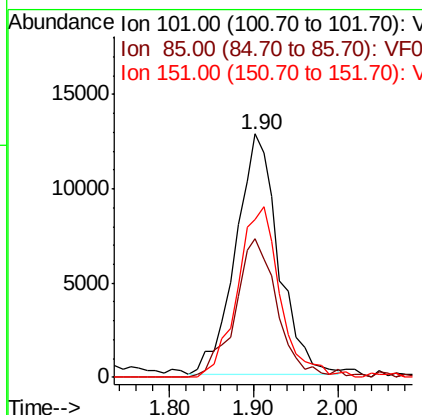
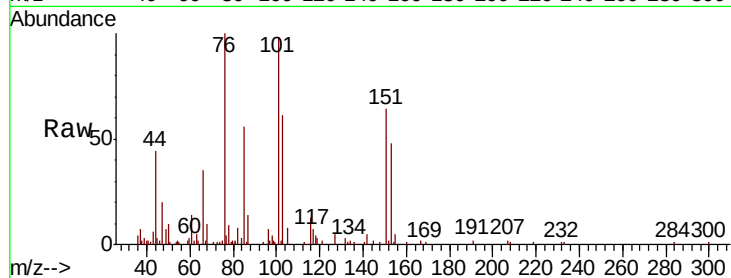
ClientSampleId :

VF0804SBS02

Tot Ion:	101	Resp:	45479
Ion Ratio	Lower	Upper	
101	100		
85	57.1	44.5	66.7
151	65.1	53.8	80.8

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#10

Methyl Iodide

Concen: 18.49 ug/l

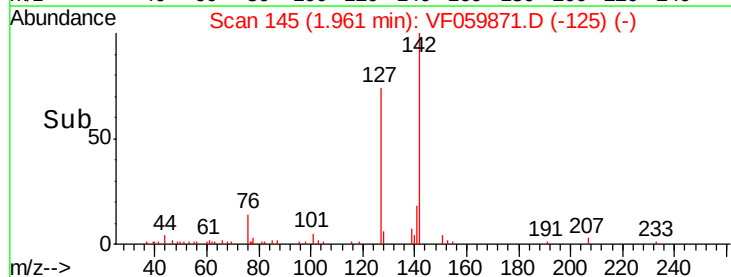
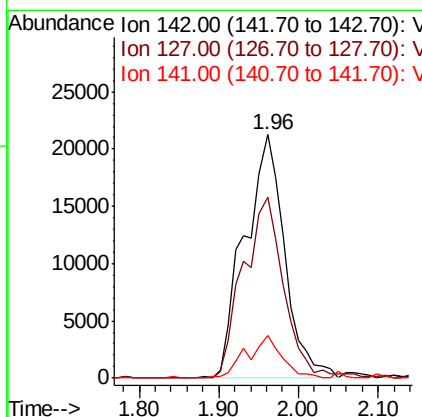
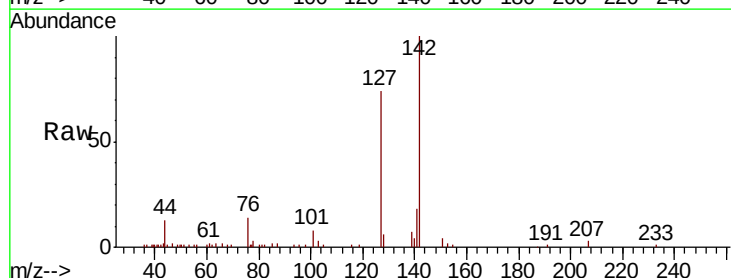
RT: 1.96 min Scan# 145

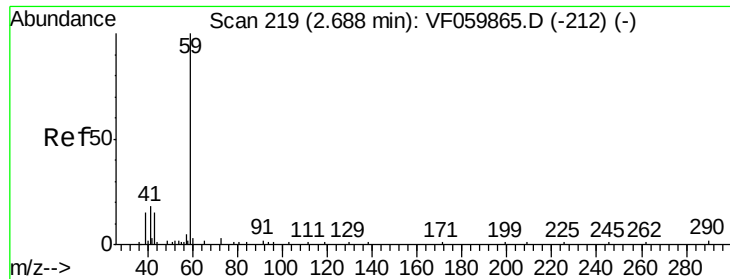
Delta R.T. -0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion:	142	Resp:	74096
Ion Ratio	Lower	Upper	
142	100		
127	74.2	61.5	92.3
141	17.6	13.0	19.4





#11

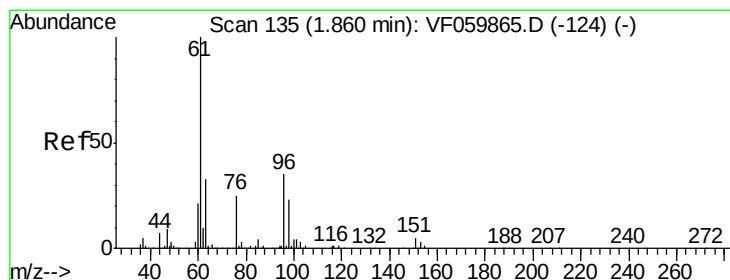
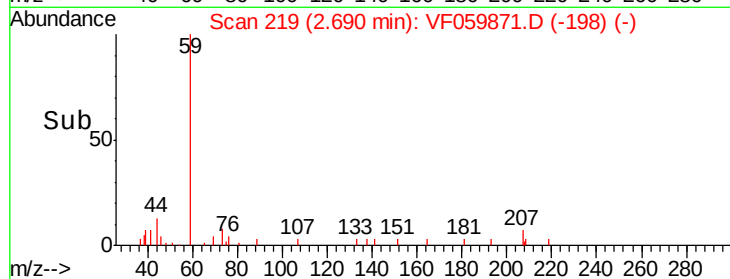
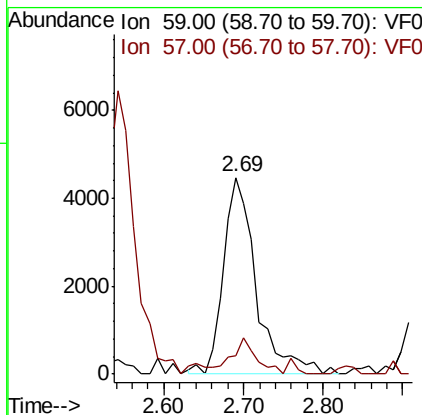
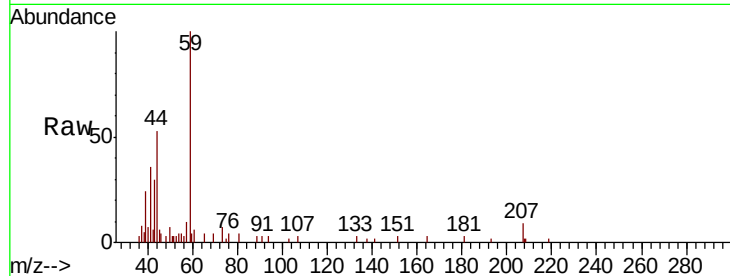
Tert butyl alcohol
Concen: 83.45 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.6	11.4

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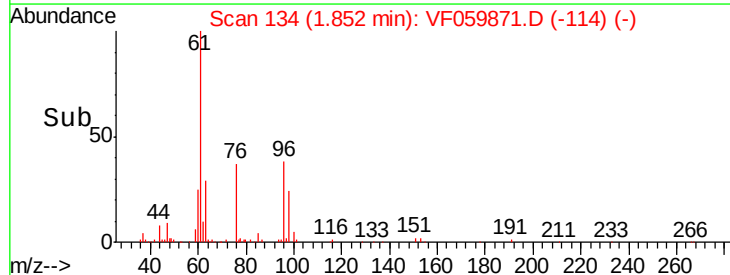
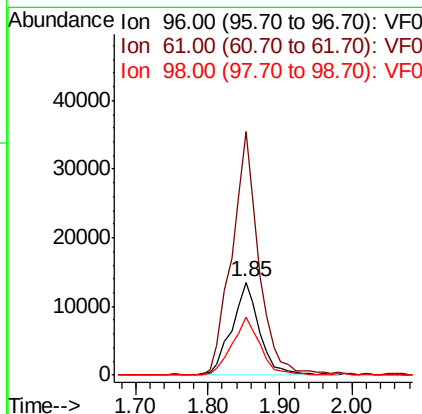
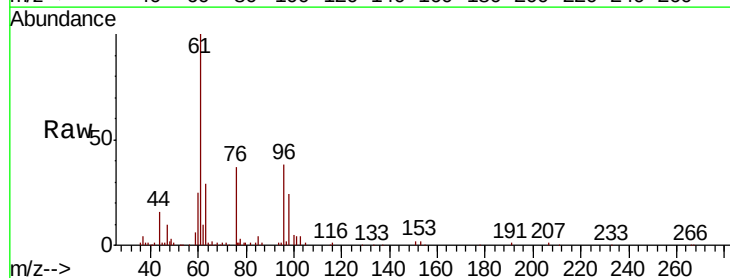
apatel
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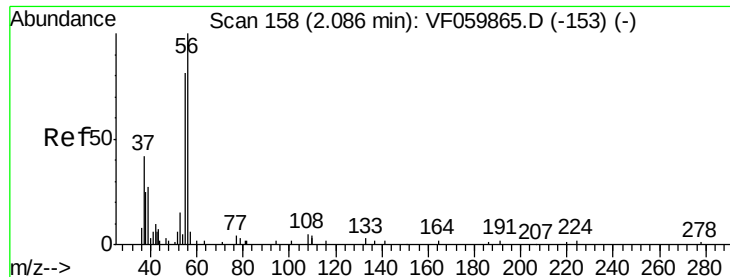


#12

1,1-Dichloroethene
Concen: 18.93 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	262.7	230.2	345.2
98	63.0	52.7	79.1





#13

Acrolein

Concen: 61.79 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 56 Resp: 5745

Ion Ratio Lower Upper

56 100

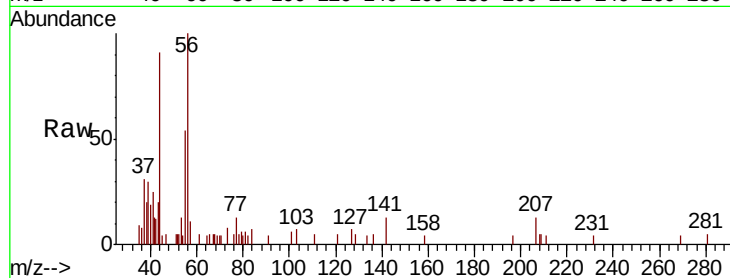
55 53.5 64.6 96.8#

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

2500

2000

1500

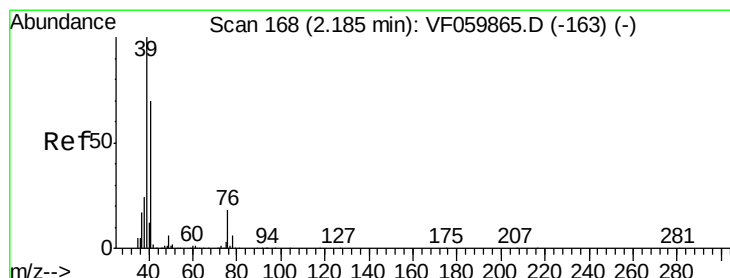
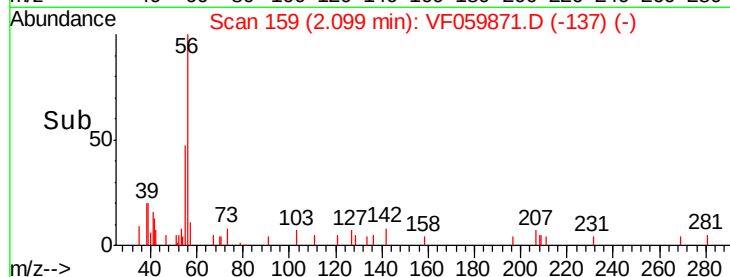
1000

500

0

2.00 2.05 2.10 2.15 2.20

Time-->



#14

Allyl chloride

Concen: 17.30 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

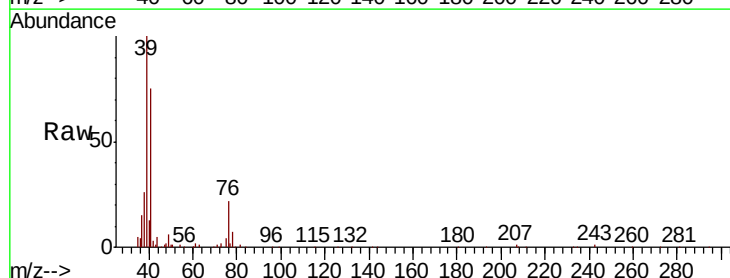
Tgt Ion: 41 Resp: 54984

Ion Ratio Lower Upper

41 100

39 134.1 114.6 171.8

76 29.2 21.0 31.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

50000

40000

30000

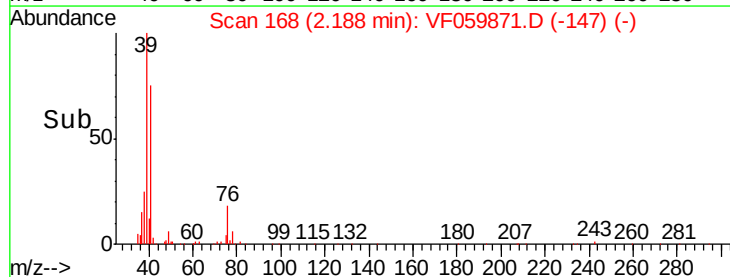
20000

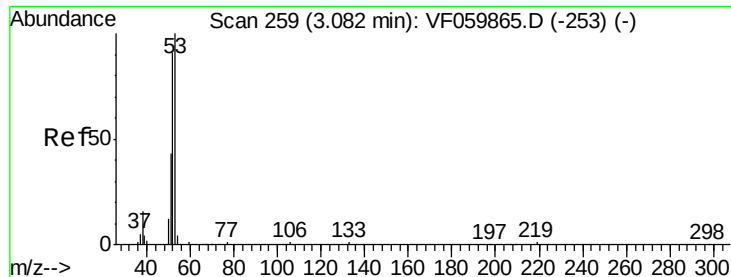
10000

0

2.10 2.20 2.30

Time-->





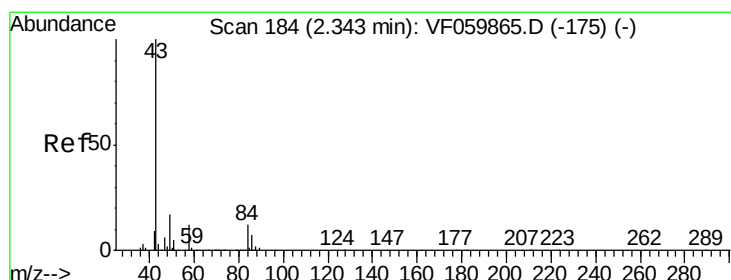
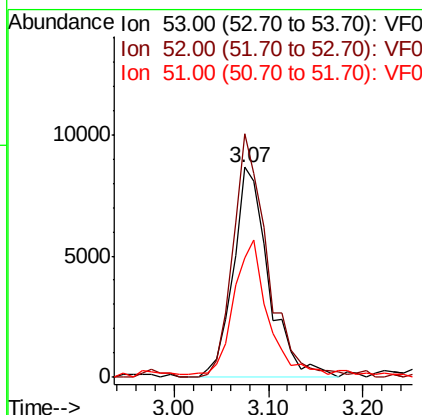
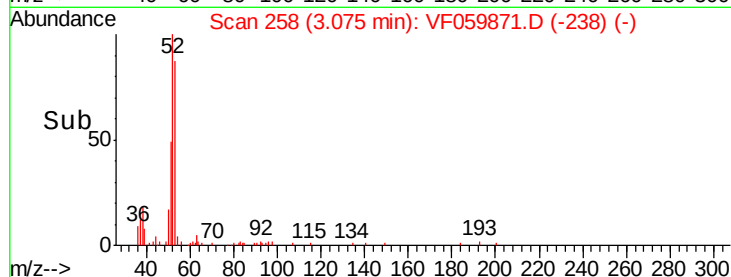
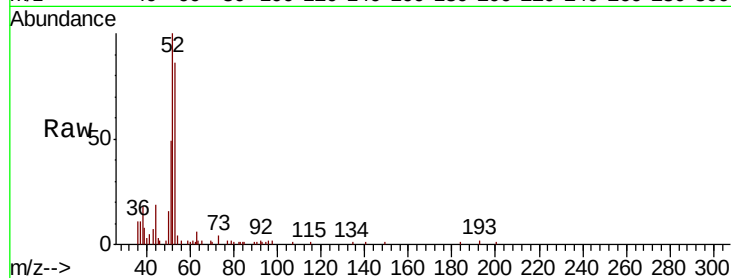
#15
 Acrylonitrile
 Concen: 79.35 ug/l
 RT: 3.07 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion:	53	Resp:	22561
Ion Ratio	Lower	Upper	
53	100		
52	115.8	72.9	109.3#
51	56.6	34.5	51.7#

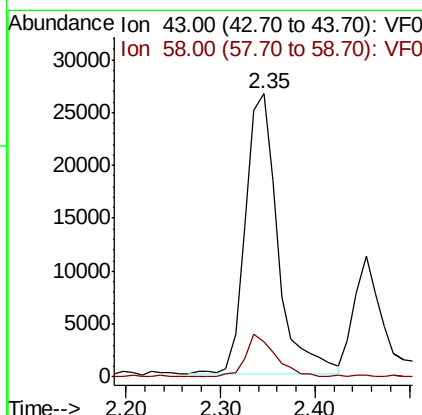
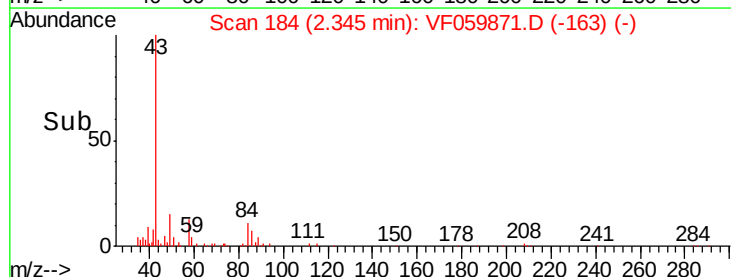
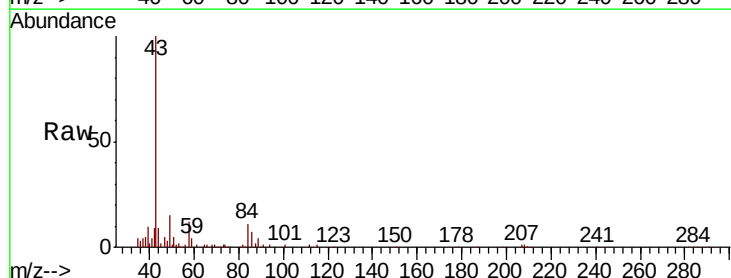
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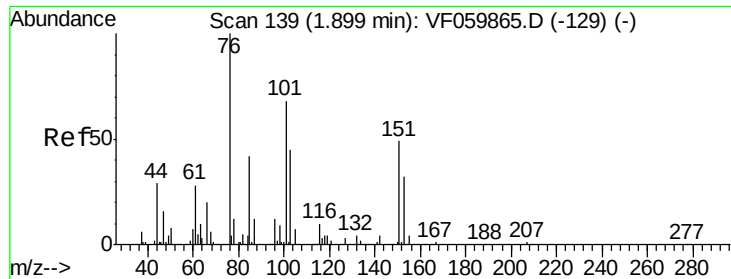
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#16
 Acetone
 Concen: 89.46 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion:	43	Resp:	63523
Ion Ratio	Lower	Upper	
43	100		
58	12.4	9.4	14.0





#17

Carbon Disulfide

Concen: 18.96 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tot Ion: 76 Resp: 96486

Ion Ratio Lower Upper

76 100

78 10.9 9.3 13.9

Instrument :

MSVOA_F

ClientSampleId :

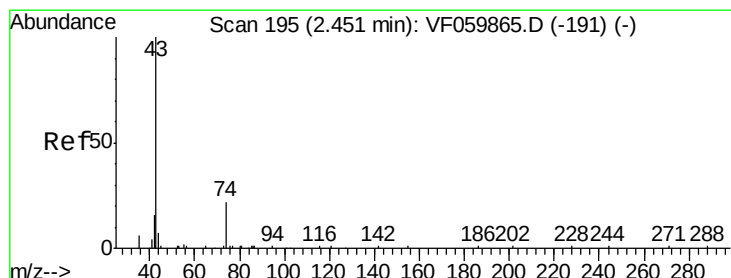
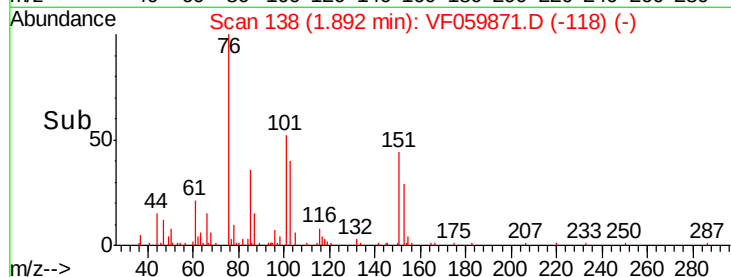
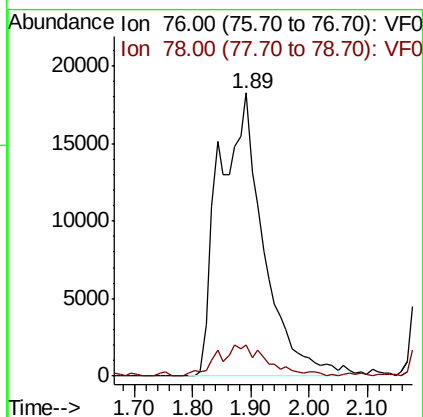
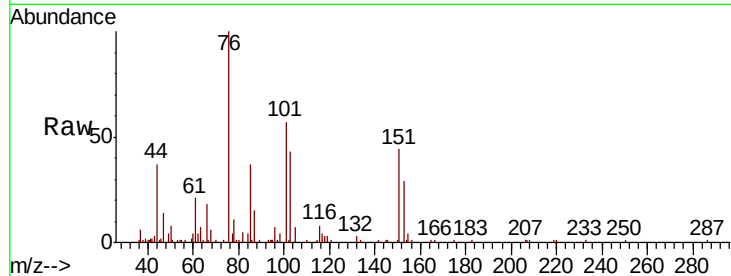
VF0804SBS02

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#18

Methyl Acetate

Concen: 17.70 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059871.D

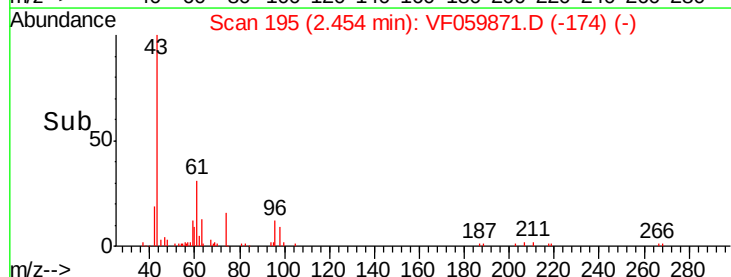
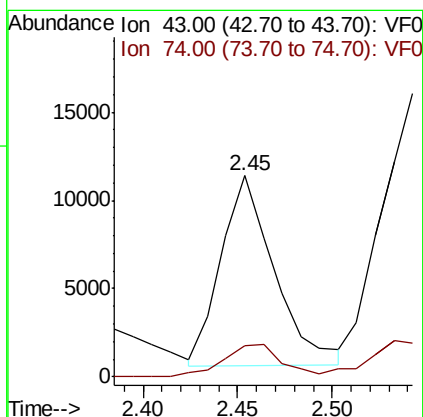
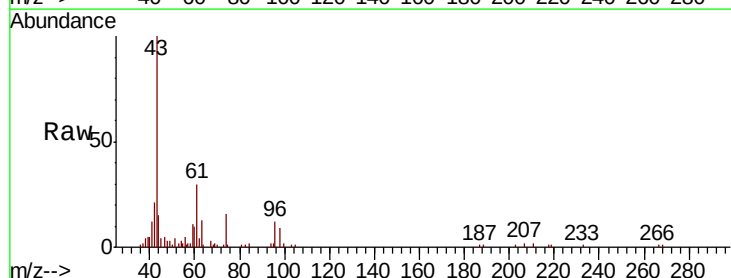
Acq: 4 Aug 2018 8:24

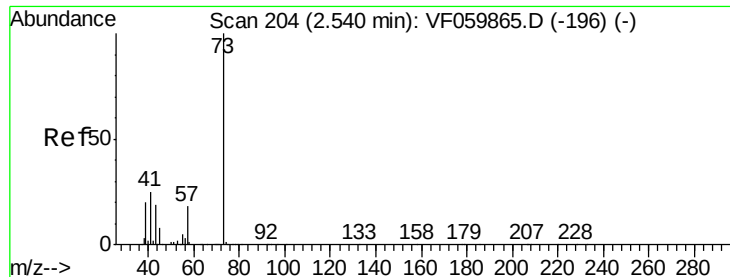
Tgt Ion: 43 Resp: 21201

Ion Ratio Lower Upper

43 100

74 15.8 16.3 24.5#





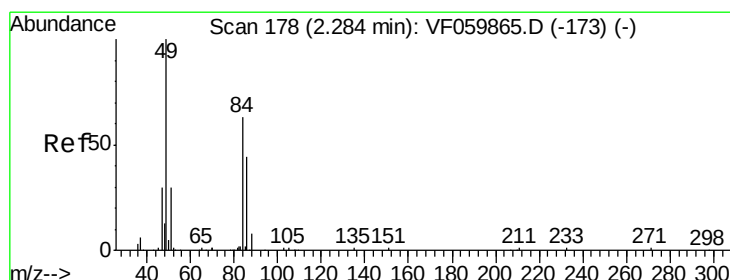
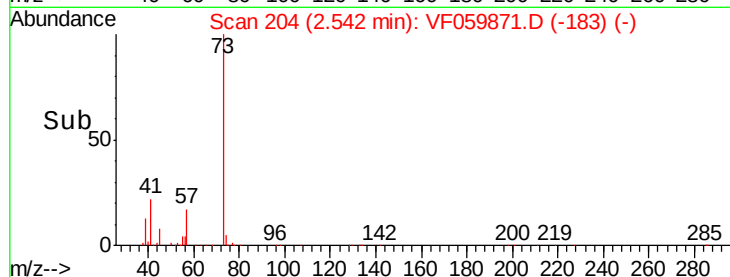
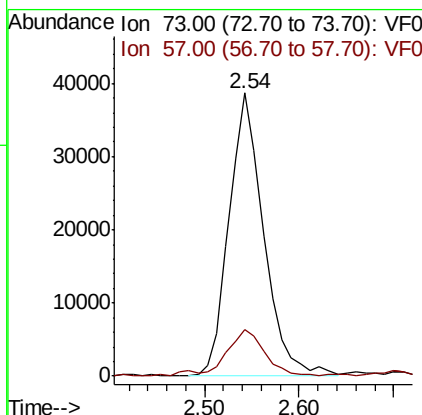
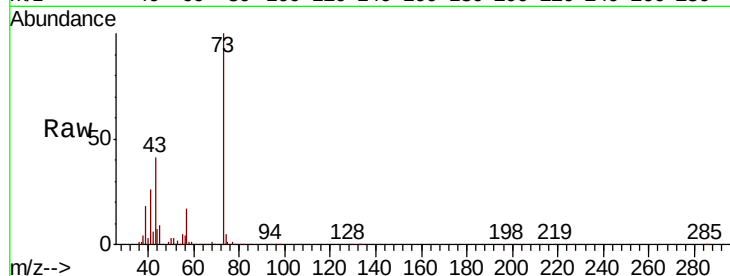
#19
Methyl tert-butyl Ether
Concen: 18.21 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.6	14.3	21.5

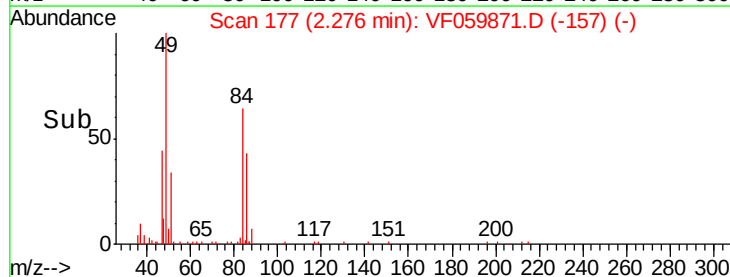
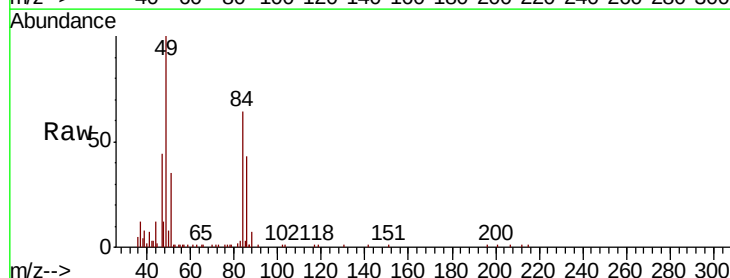
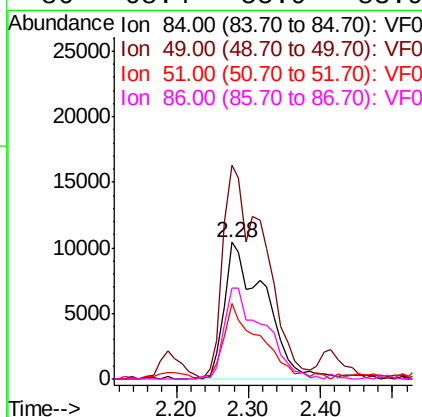
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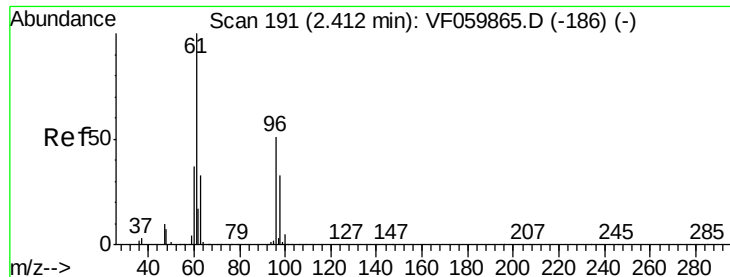
apatel
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#20
Methylene Chloride
Concen: 19.18 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.6	128.7	193.1
51	55.4	39.3	58.9
86	68.4	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 18.56 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

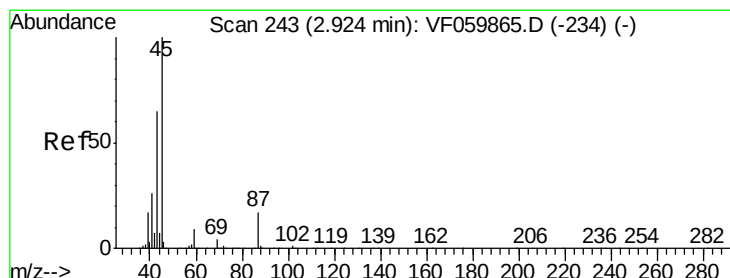
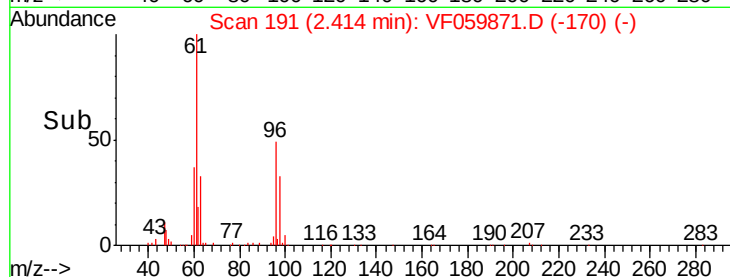
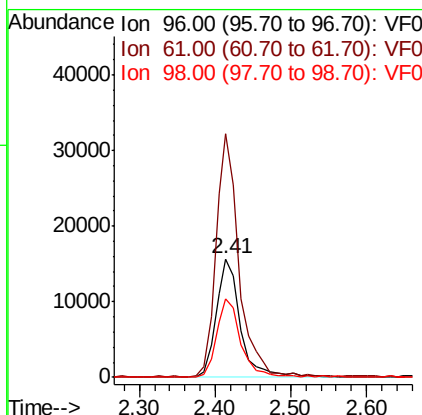
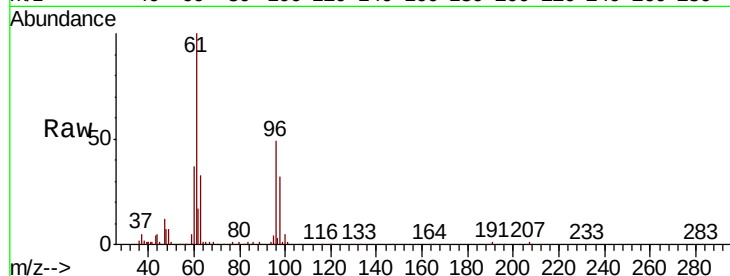
ClientSampleId :

VF0804SBS02

Tot Ion:	96	Resp:	35144
Ion	Ratio	Lower	Upper
96	100		
61	205.6	158.2	237.4
98	66.2	52.0	78.0

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#22

Diisopropyl ether

Concen: 18.61 ug/l

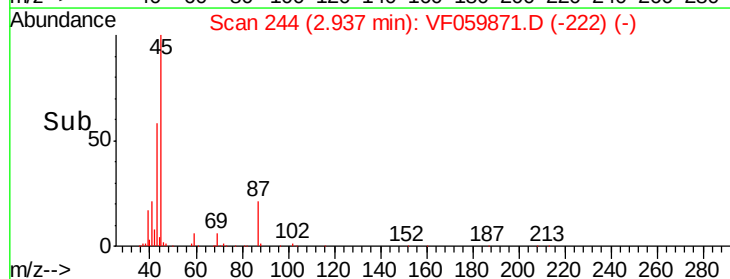
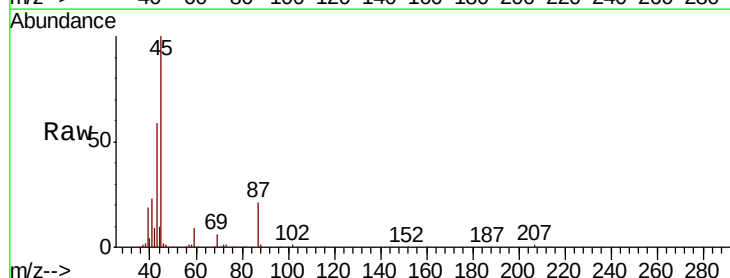
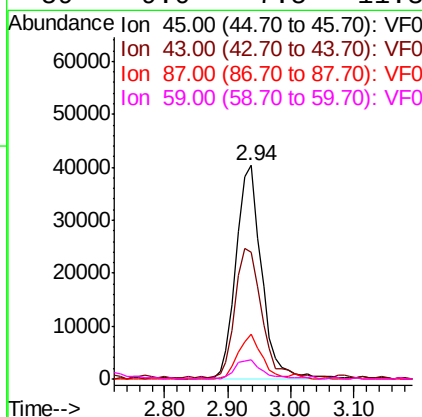
RT: 2.94 min Scan# 244

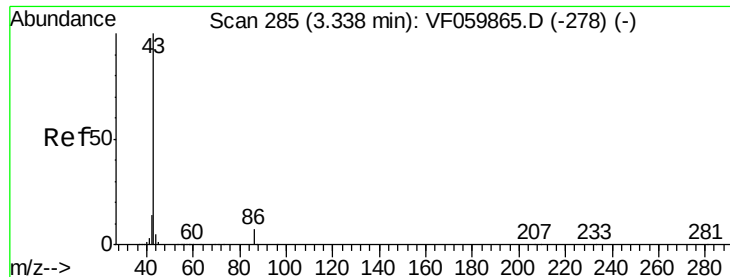
Delta R.T. 0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion:	45	Resp:	113783
Ion	Ratio	Lower	Upper
45	100		
43	59.3	52.1	78.1
87	20.9	13.8	20.8#
59	9.0	7.5	11.3





#23

Vinyl Acetate

Concen: 95.48 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 43 Resp: 282544

Ion Ratio Lower Upper

43 100

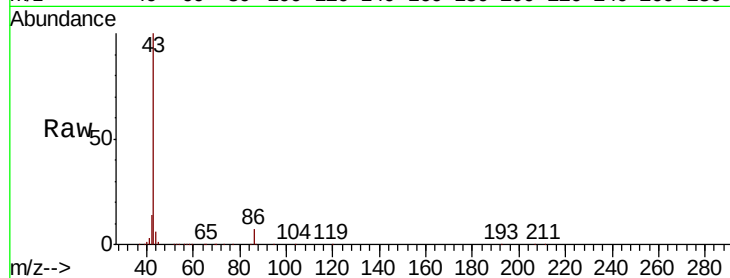
86 6.5 5.6 8.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

120000

100000

80000

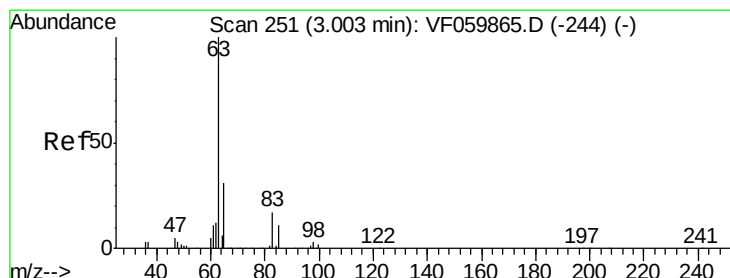
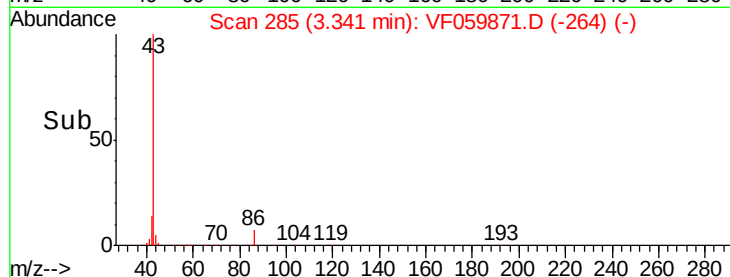
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.33 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

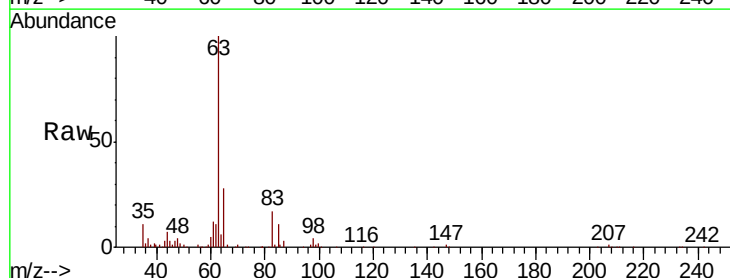
Tgt Ion: 63 Resp: 81609

Ion Ratio Lower Upper

63 100

98 4.8 1.9 5.7

100 1.9 1.1 3.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

40000

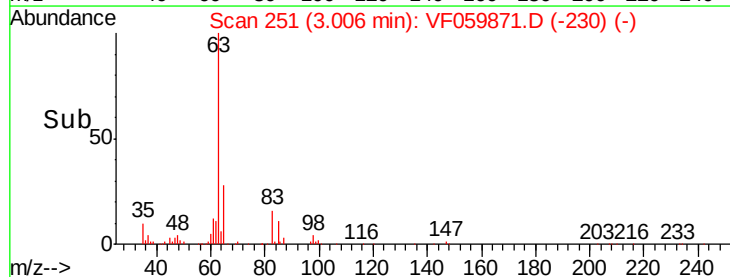
30000

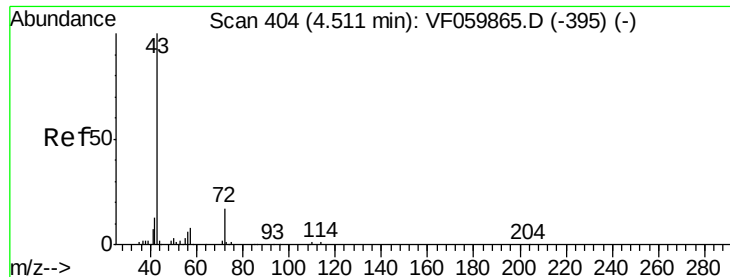
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.48 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 43 Resp: 70633

Ion Ratio Lower Upper

43 100

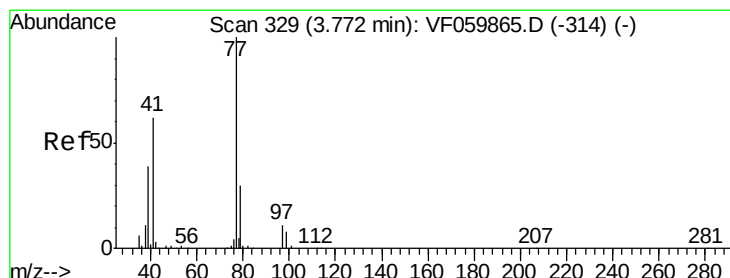
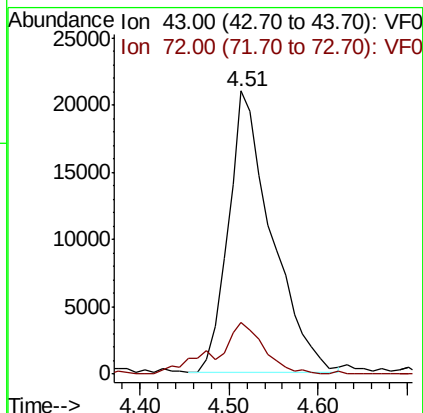
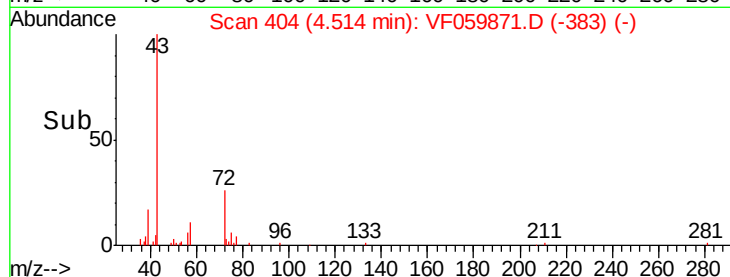
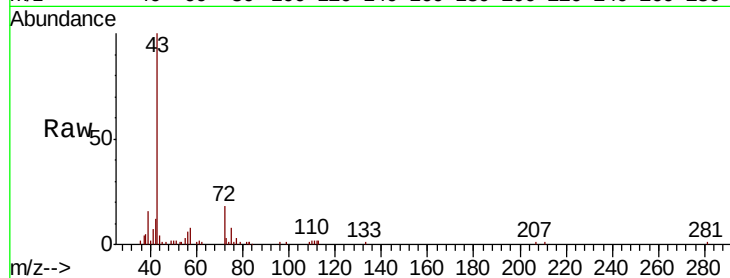
72 18.2 13.9 20.9

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#26

2,2-Dichloropropane

Concen: 19.07 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059871.D

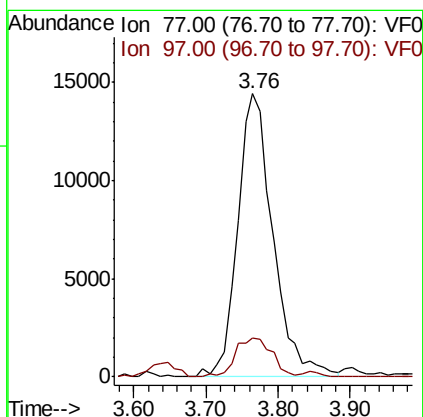
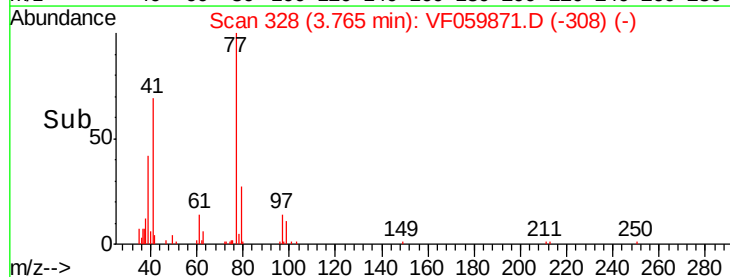
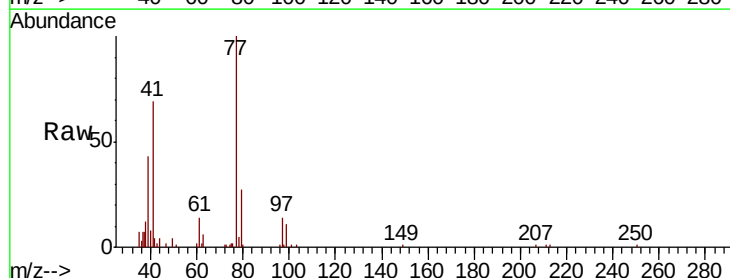
Acq: 4 Aug 2018 8:24

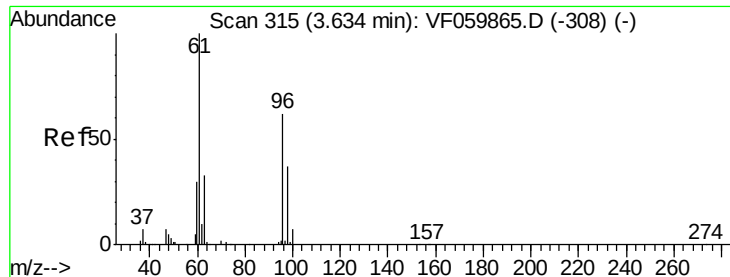
Tgt Ion: 77 Resp: 49417

Ion Ratio Lower Upper

77 100

97 13.9 6.8 20.3





#27

cis-1,2-Dichloroethene

Concen: 19.62 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

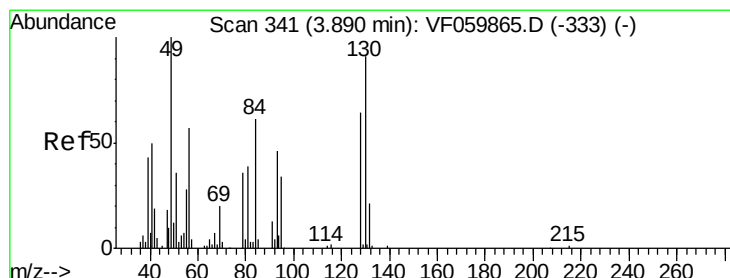
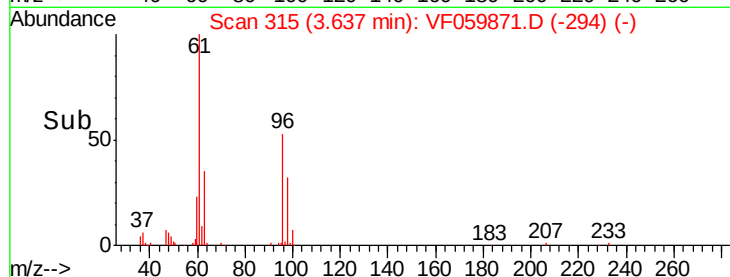
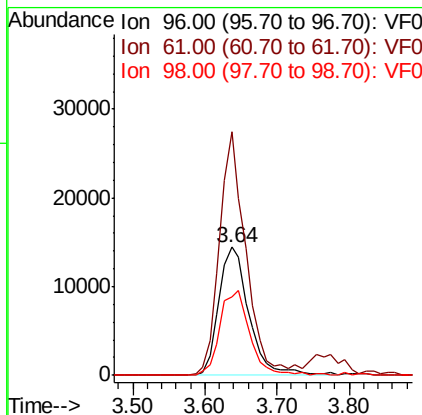
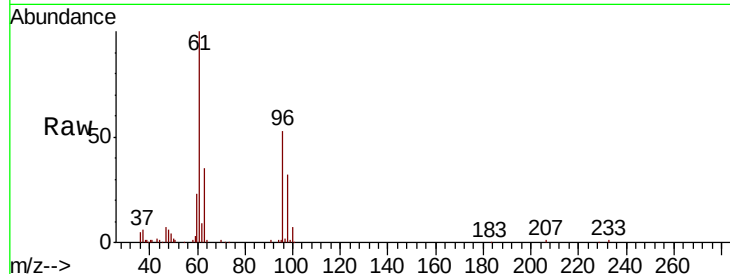
ClientSampleId :

VF0804SBS02

Tot Ion:	96	Resp:	41771
Ion	Ratio	Lower	Upper
96	100		
61	189.7	0.0	320.8
98	61.6	0.0	117.6

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#28

Bromochloromethane

Concen: 19.77 ug/l

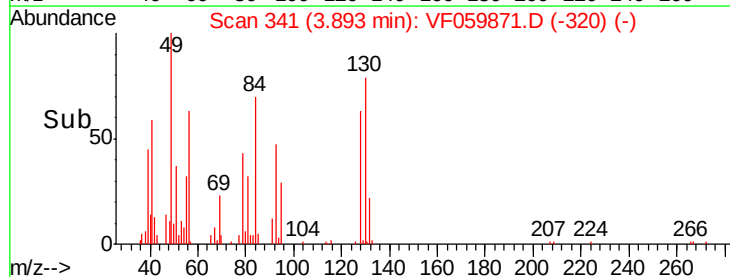
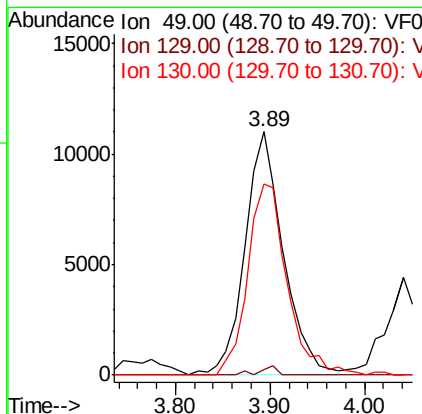
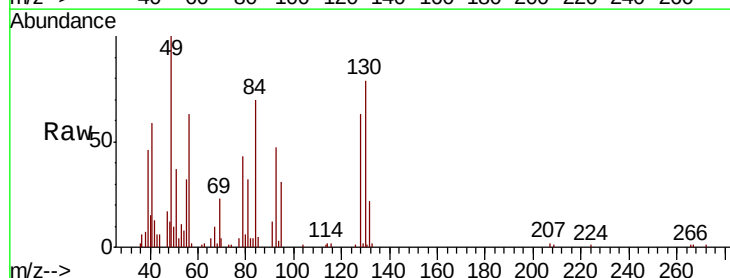
RT: 3.89 min Scan# 341

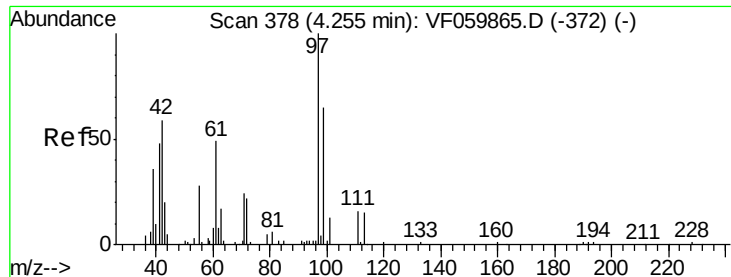
Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion:	49	Resp:	31084
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	78.5	73.8	110.8





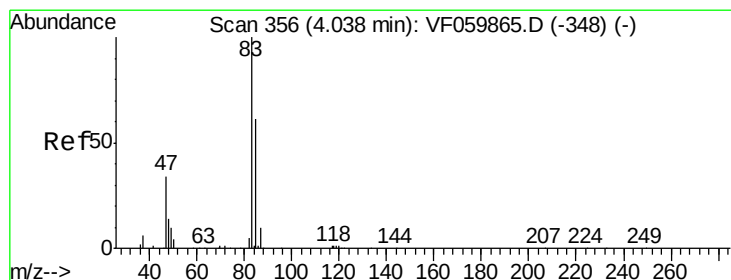
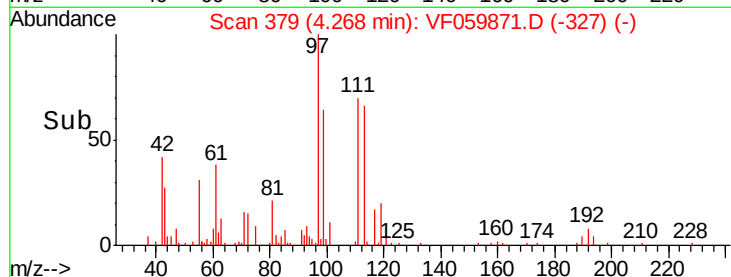
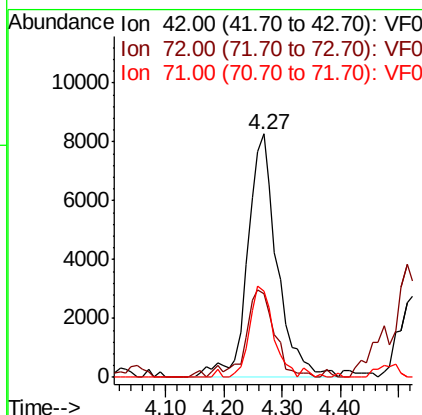
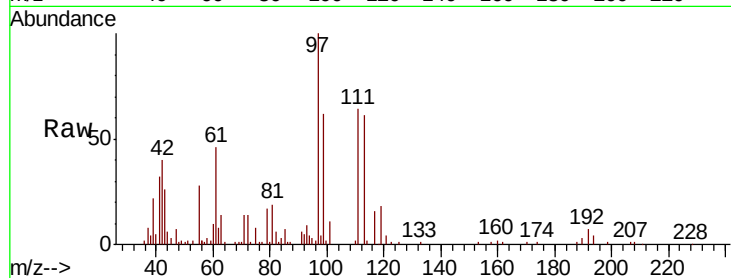
#29
Tetrahydrofuran
Concen: 103.27 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	29.3	43.9
71	30.1	30.0	45.0

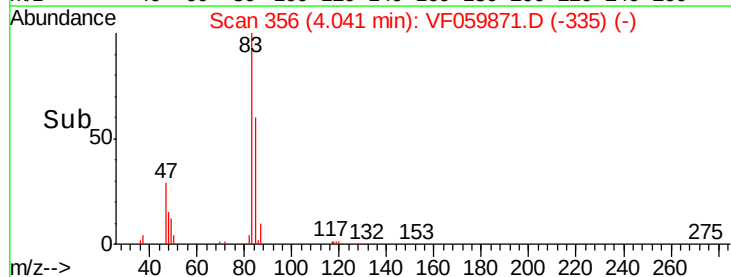
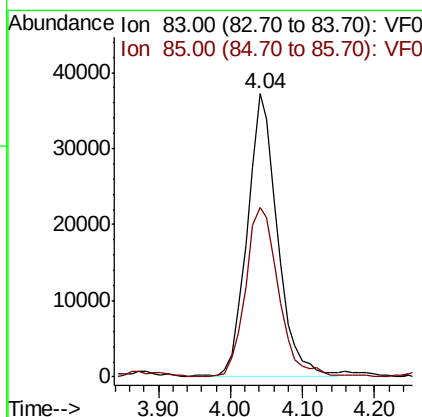
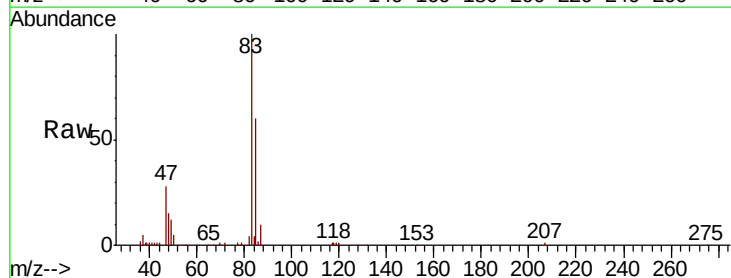
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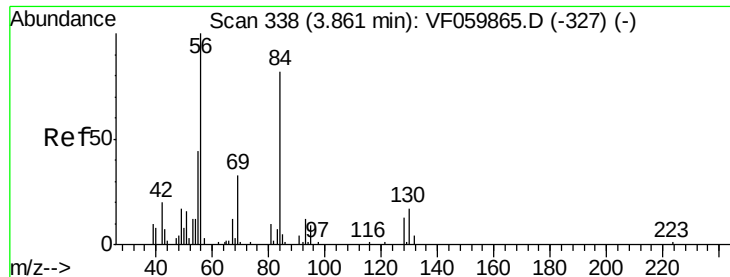
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#30
Chloroform
Concen: 18.14 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	49.3	73.9





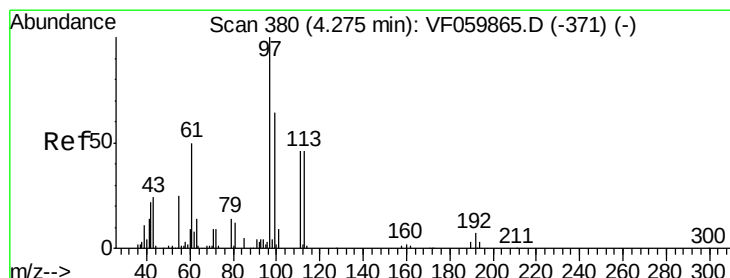
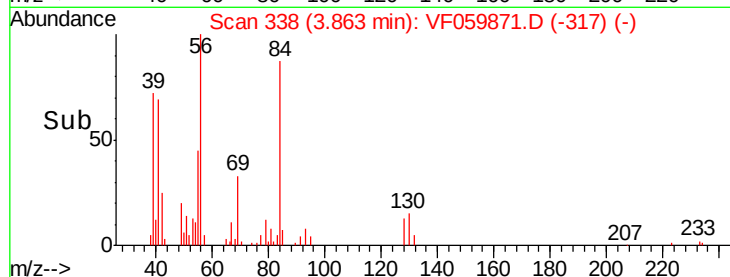
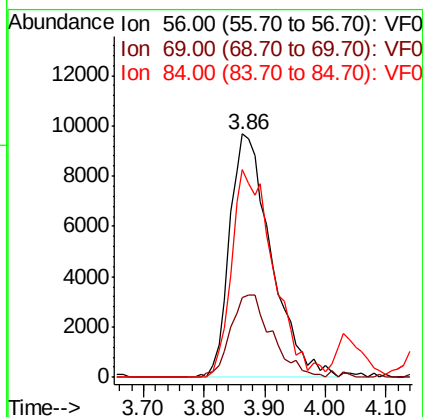
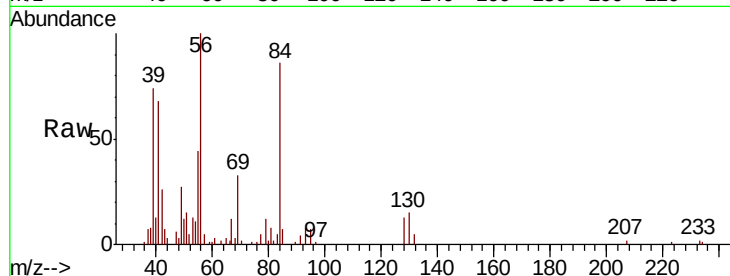
#31
Cyclohexane
Concen: 20.92 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.7	40.1
84	85.5	65.9	98.9

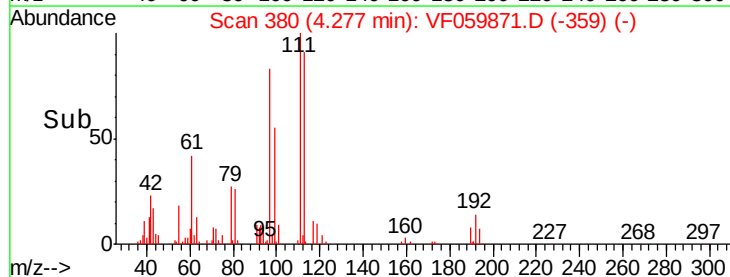
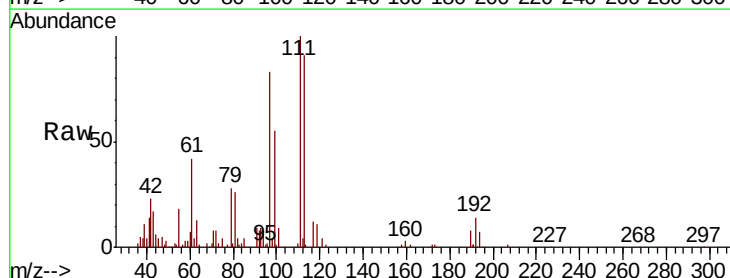
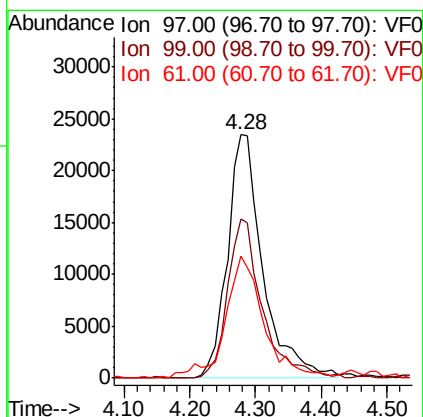
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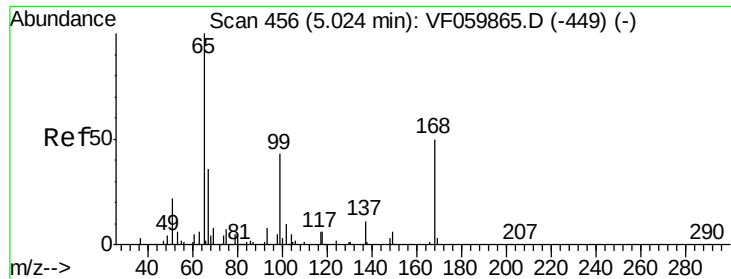
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#32
1,1,1-Trichloroethane
Concen: 18.40 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.2
61	50.0	40.8	61.2





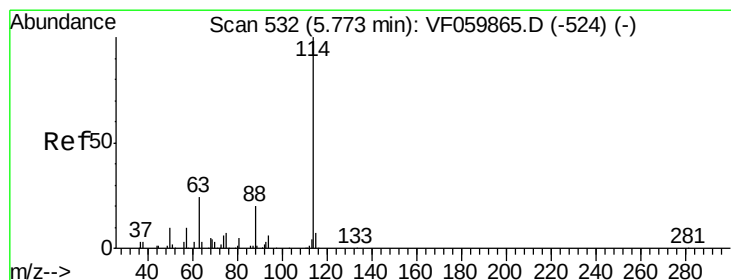
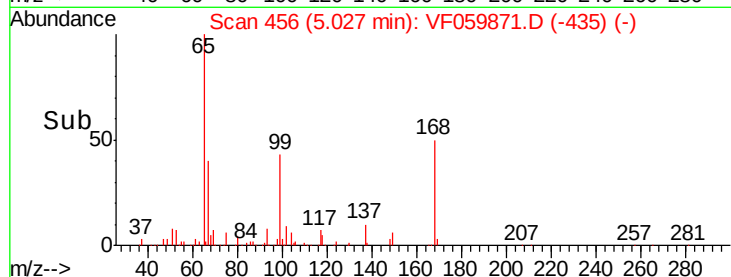
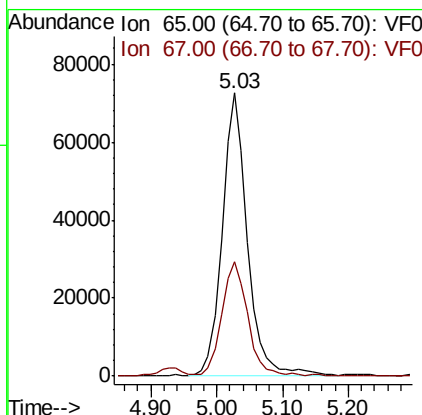
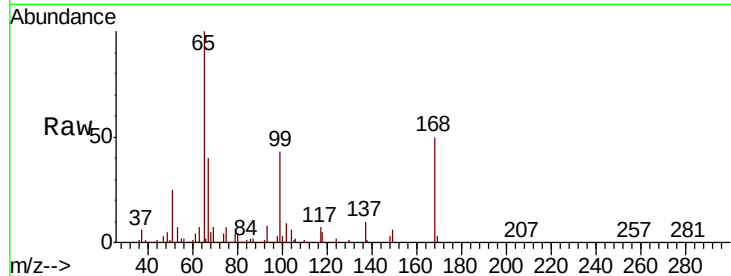
#33
 1,2-Dichloroethane-d4
 Concen: 50.30 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193462		
67	40.4	0.0	77.2	

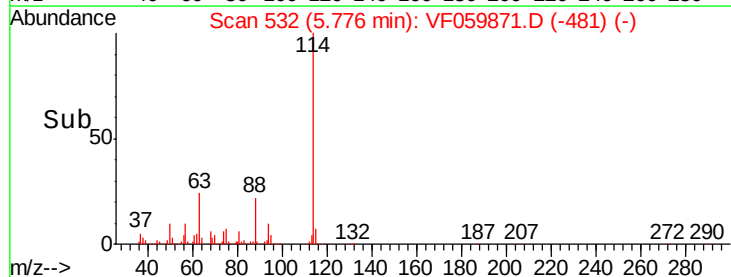
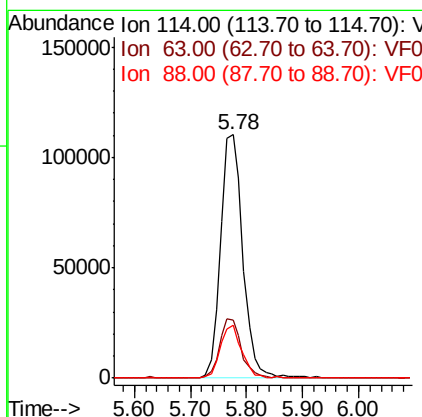
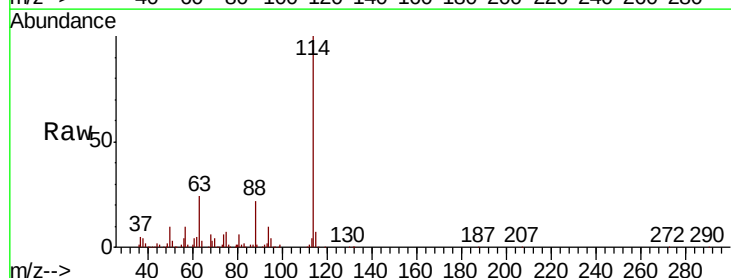
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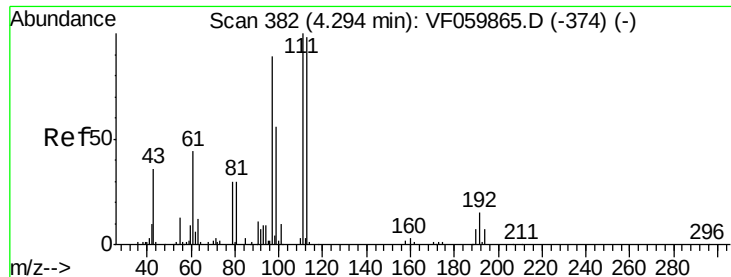
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	306685		
63	23.8	0.0	48.0	
88	21.7	0.0	39.4	





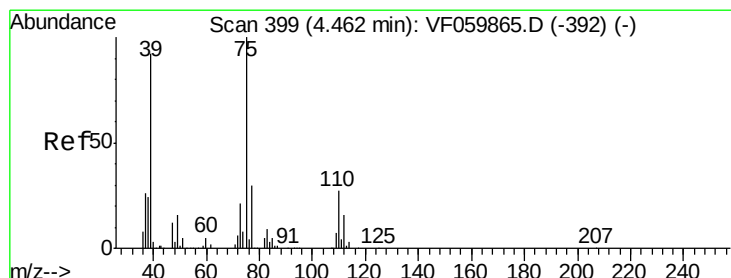
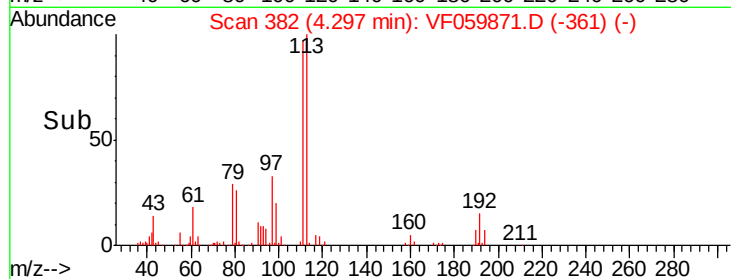
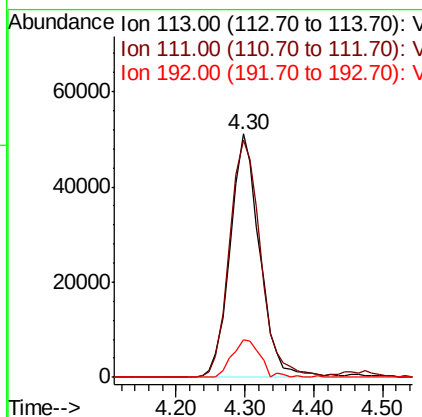
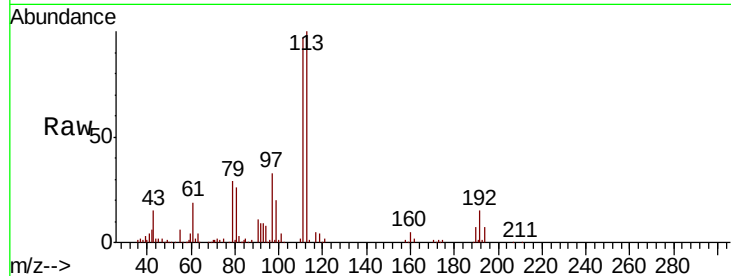
#35
 Dibromofluoromethane
 Concen: 49.88 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152204		
111	97.2	81.8	122.8	
192	15.3	12.4	18.6	

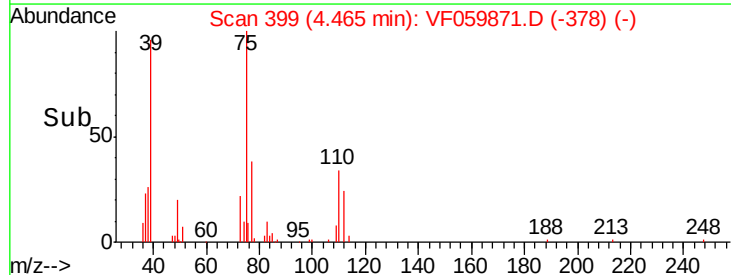
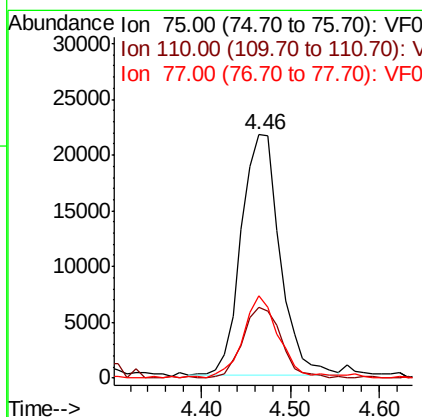
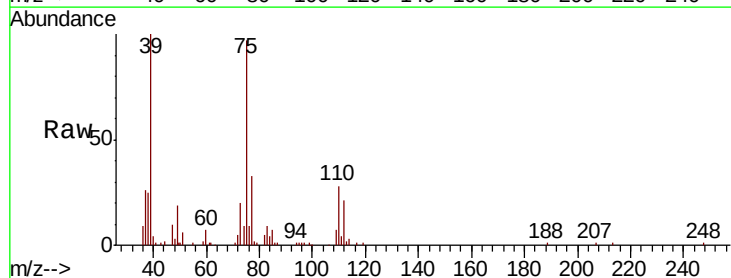
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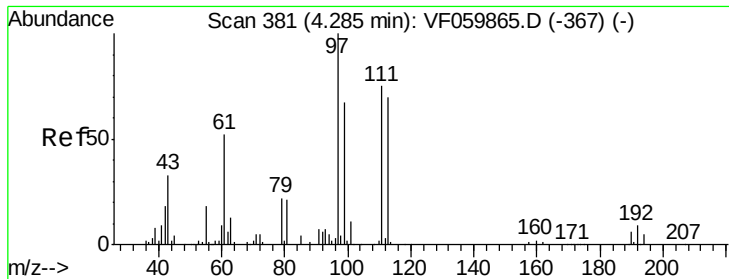
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#36
 1,1-Dichloropropene
 Concen: 18.27 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64807		
110	29.1	13.6	40.7	
77	33.9	23.7	35.5	





#37

Ethyl Acetate

Concen: 22.13 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

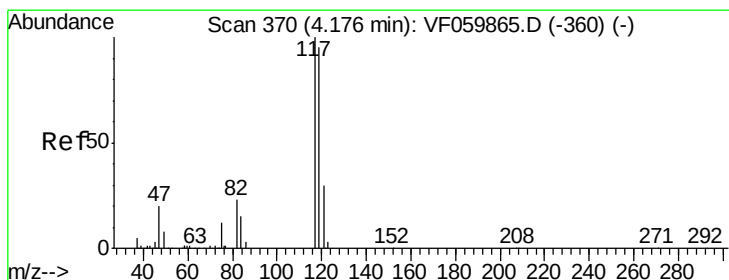
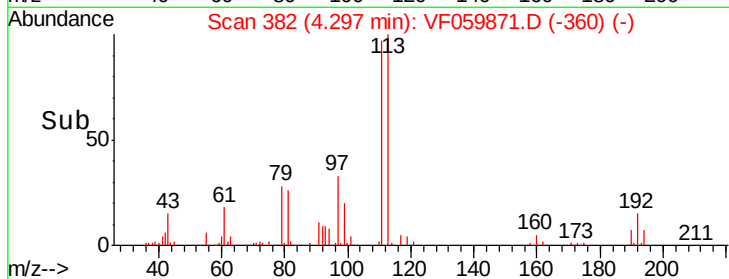
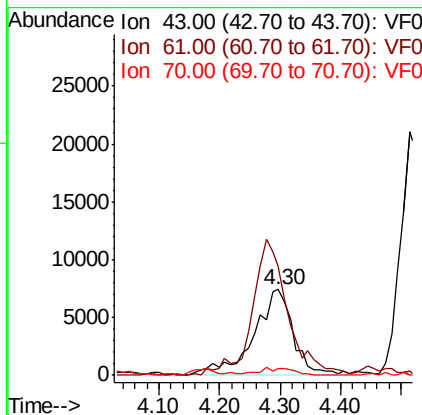
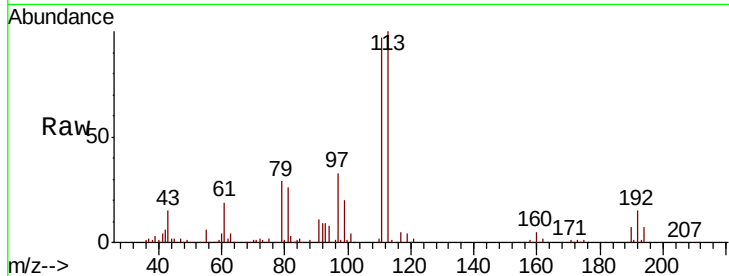
ClientSampleId :

VF0804SBS02

Tot Ion:	43	Resp:	33701
Ion Ratio	Lower	Upper	
43	100		
61	127.6	123.7	185.5
70	8.4	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.89 ug/l

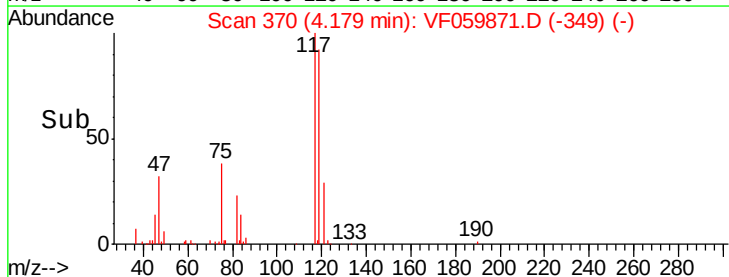
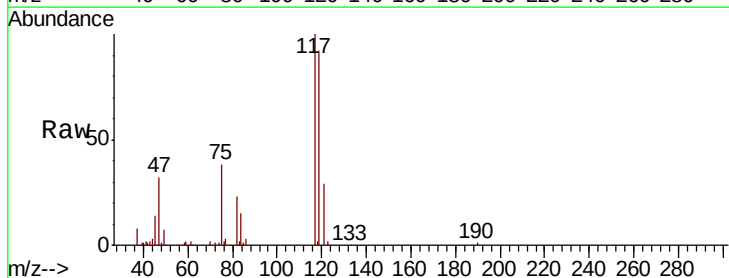
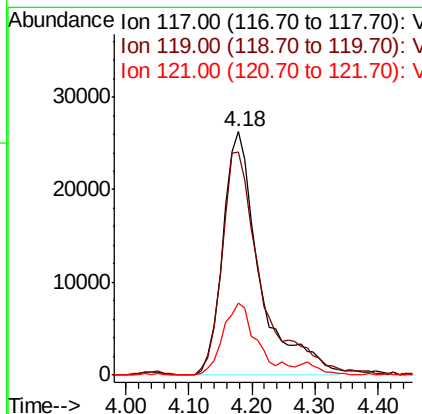
RT: 4.18 min Scan# 370

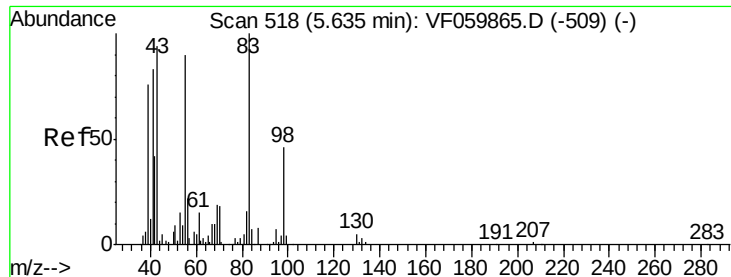
Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion:	117	Resp:	106088
Ion Ratio	Lower	Upper	
117	100		
119	91.7	76.5	114.7
121	29.5	23.8	35.8





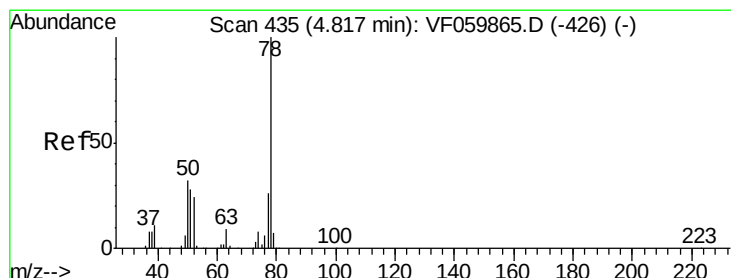
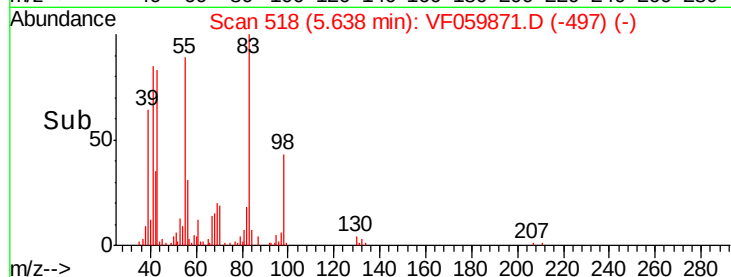
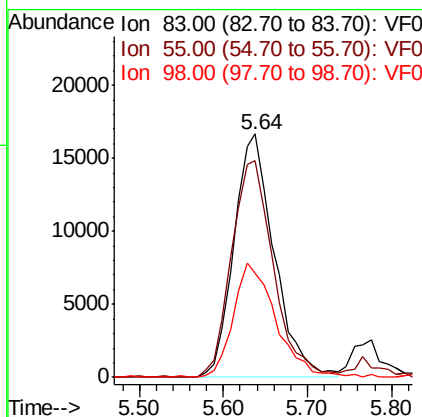
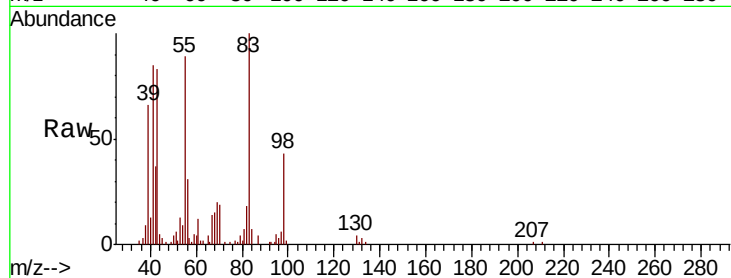
#39
Methylvlcyclohexane
Concen: 20.92 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	72.0	108.0
98	42.8	36.6	54.8

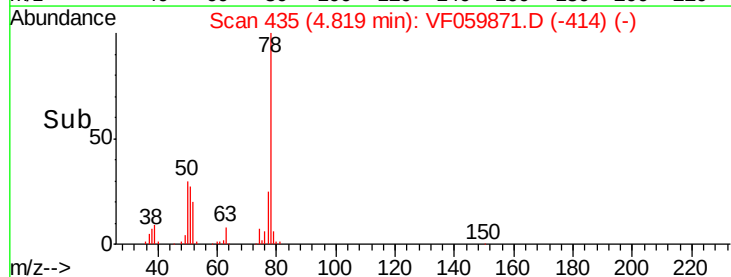
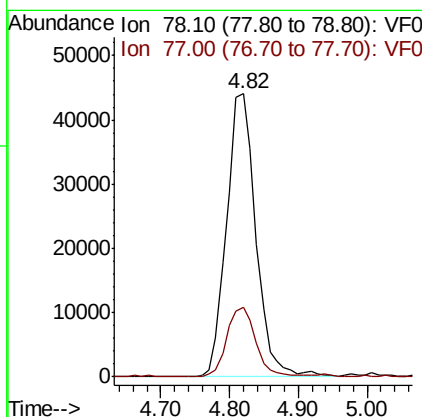
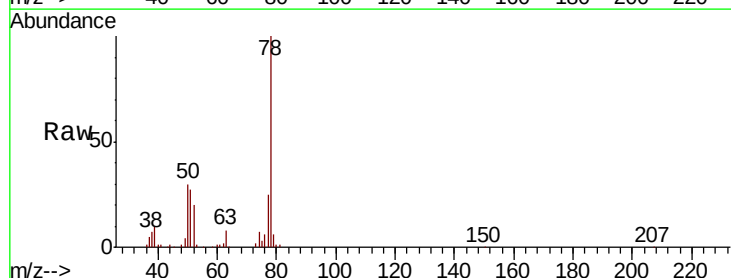
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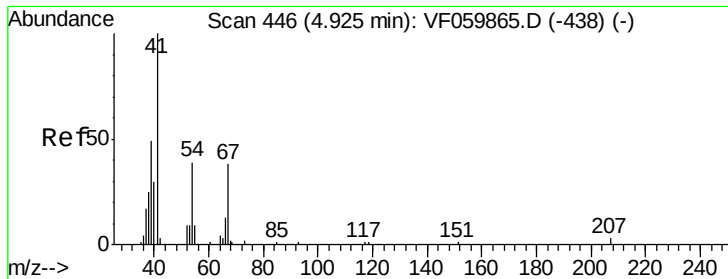
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#40
Benzene
Concen: 19.61 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	20.7	31.1





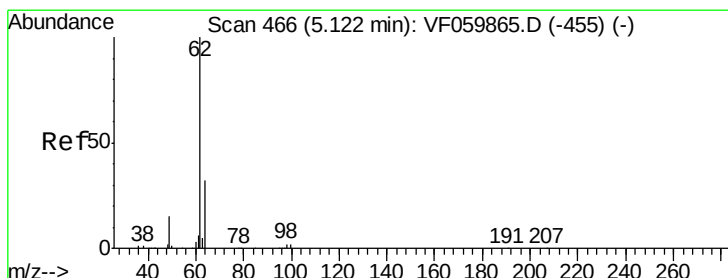
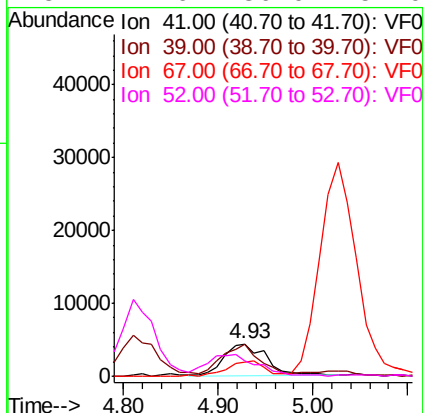
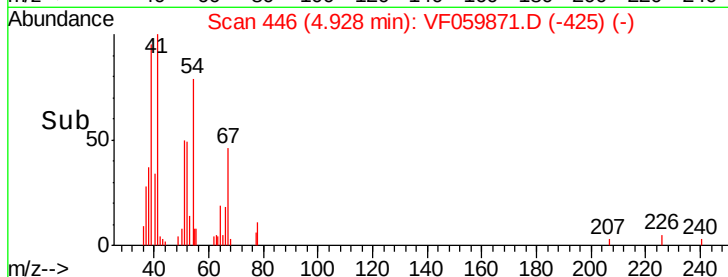
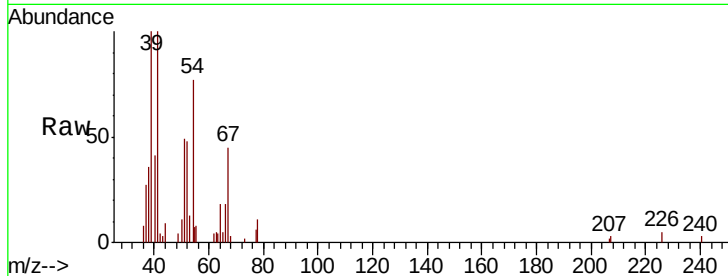
#41
Methacrylonitrile
Concen: 16.53 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	99.8	55.1	82.7#
67	45.2	30.3	45.5
52	47.6	36.0	54.0

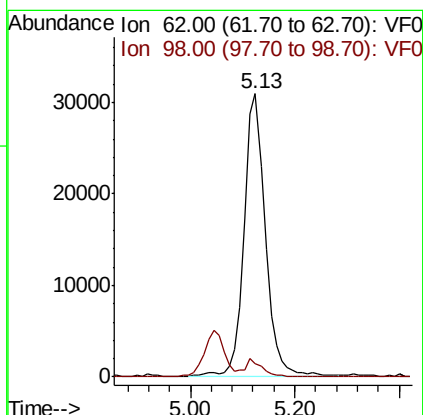
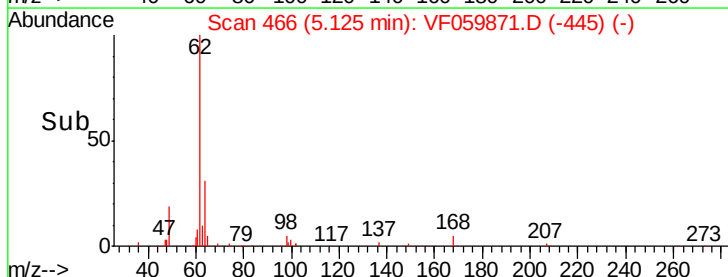
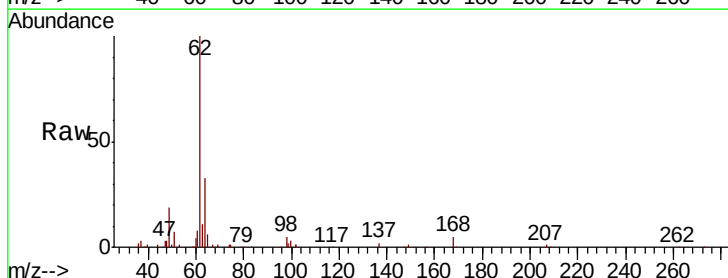
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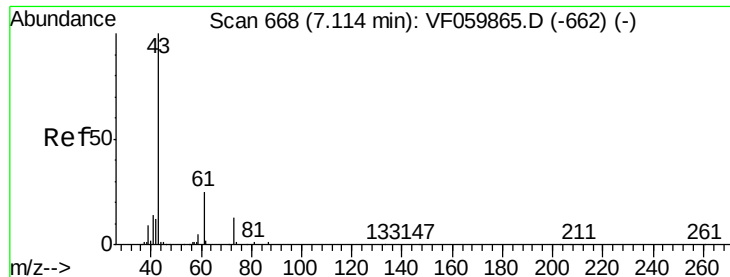
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#42
1,2-Dichloroethane
Concen: 17.41 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.7	0.0	7.6





#43

Isopropyl Acetate

Concen: 19.46 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

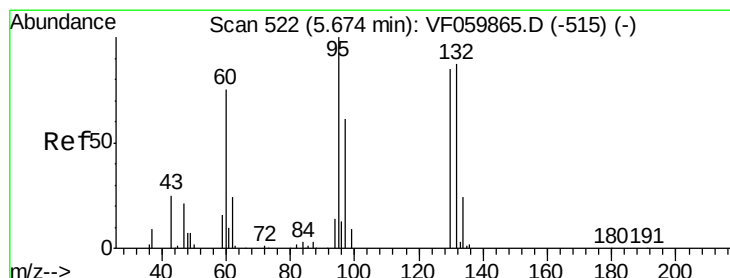
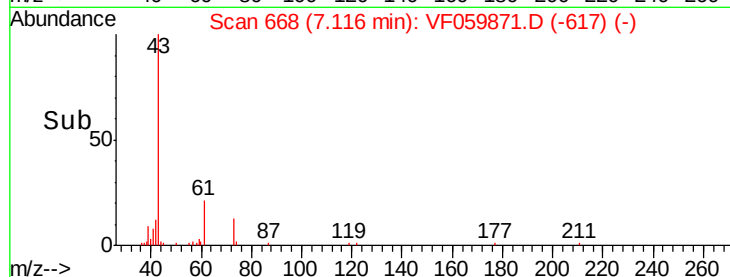
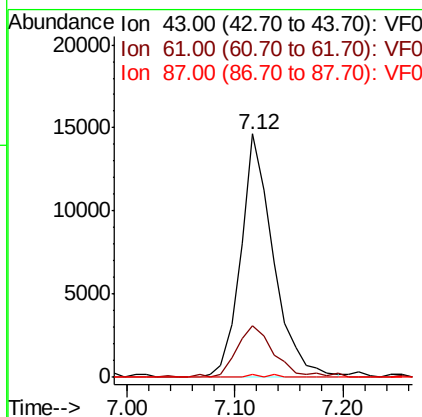
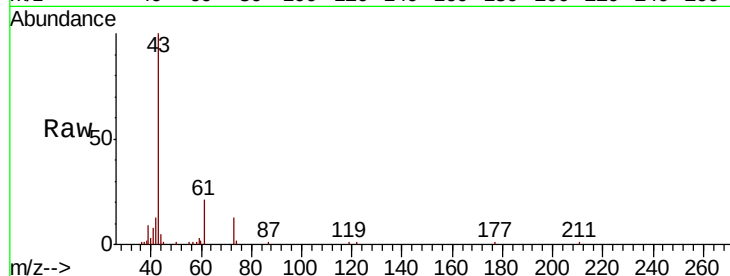
ClientSampleId :

VF0804SBS02

Tot Ion:	43	Resp:	30522
Ion	Ratio	Lower	Upper
43	100		
61	21.3	20.3	30.5
87	1.0	0.7	1.1

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#44

Trichloroethene

Concen: 19.97 ug/l

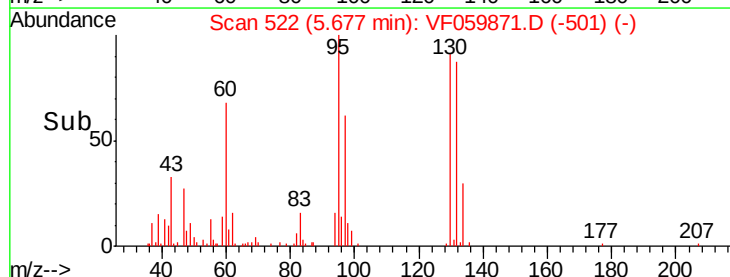
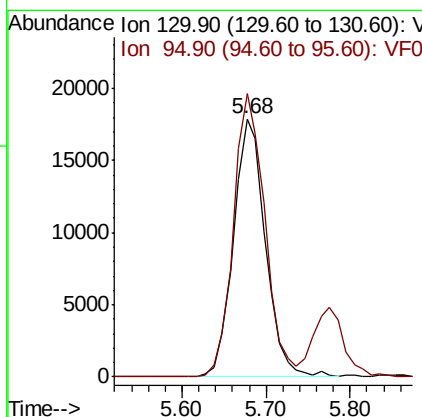
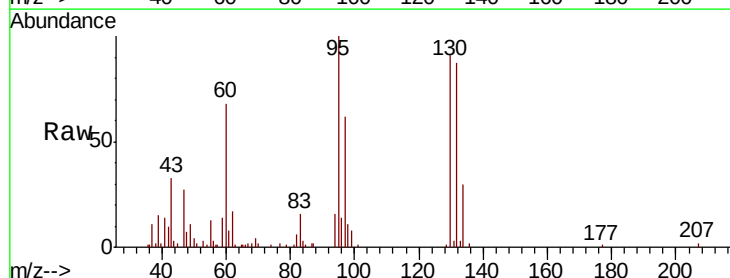
RT: 5.68 min Scan# 522

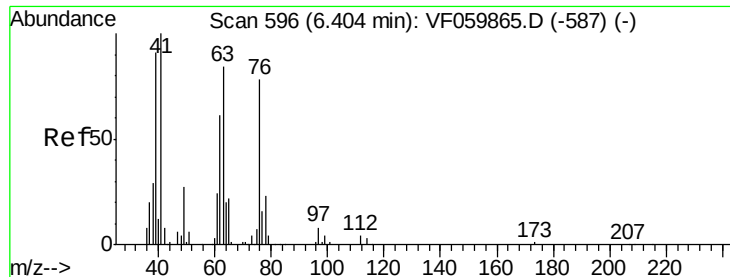
Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion:	130	Resp:	47183
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	236.8





#45

1,2-Dichloropropane

Concen: 18.73 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 63 Resp: 30489

Ion Ratio Lower Upper

63 100

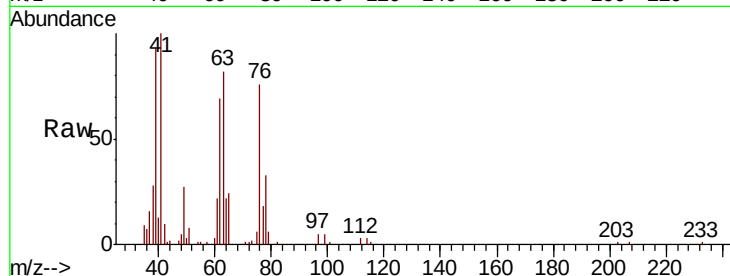
65 29.1 20.4 30.6

Manual Integrations

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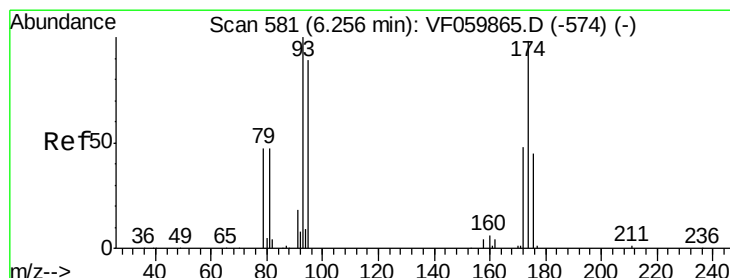
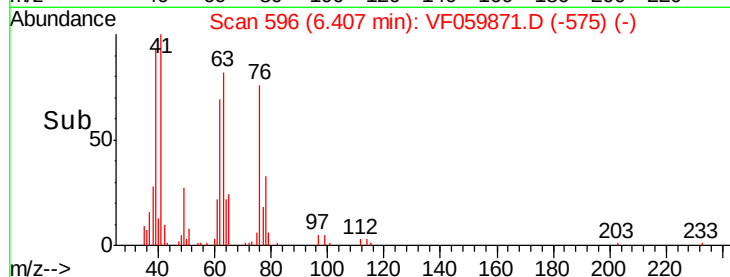
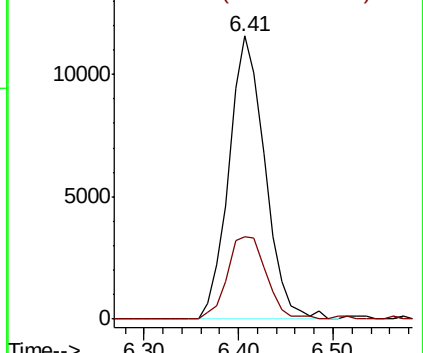
apatel

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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: 18.72 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

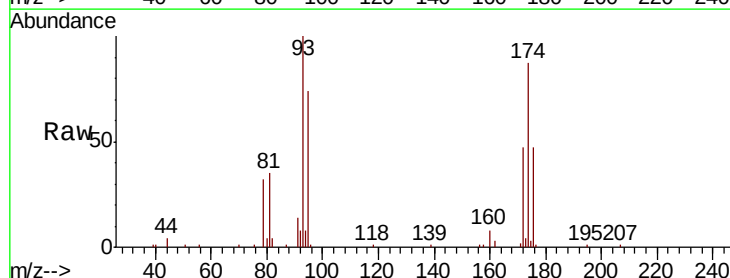
Tgt Ion: 93 Resp: 30752

Ion Ratio Lower Upper

93 100

95 74.0 71.4 107.2

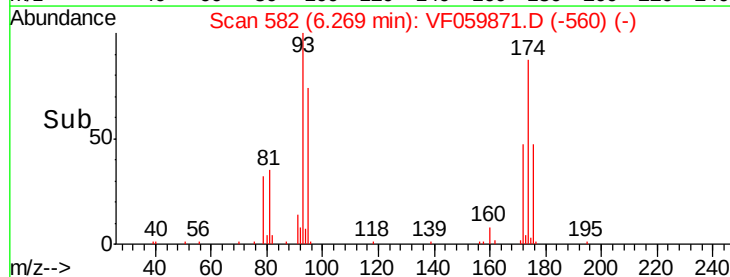
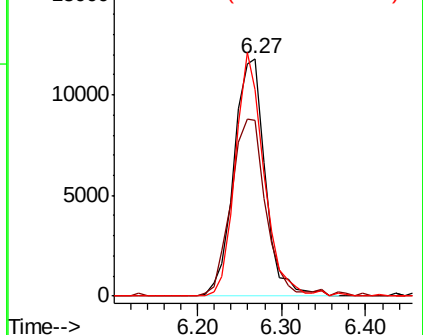
174 87.2 78.1 117.1

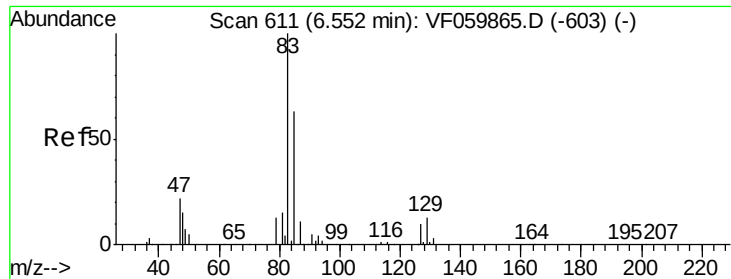


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 18.12 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

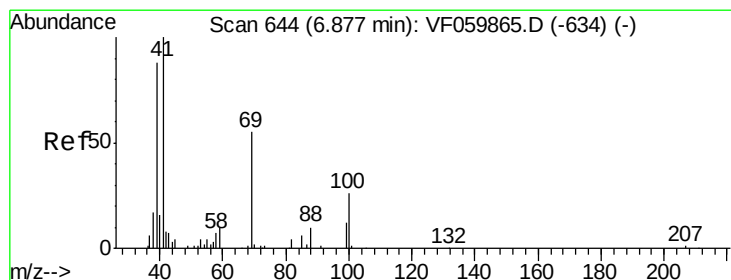
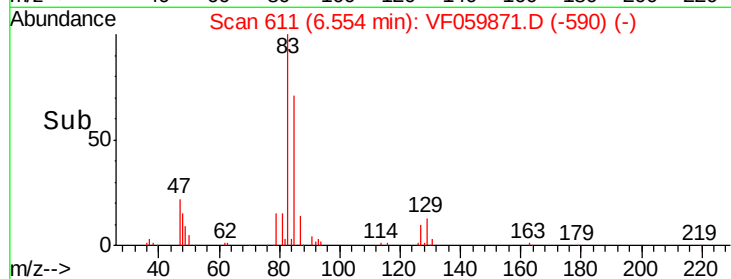
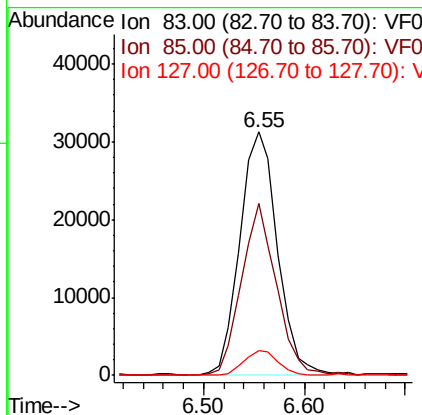
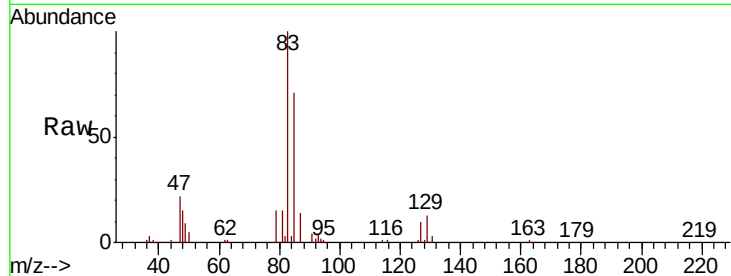
ClientSampleId :

VF0804SBS02

Tot Ion:	83	Resp:	81399
Ion	Ratio	Lower	Upper
83	100		
85	70.8	50.7	76.1
127	10.2	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.52 ug/l

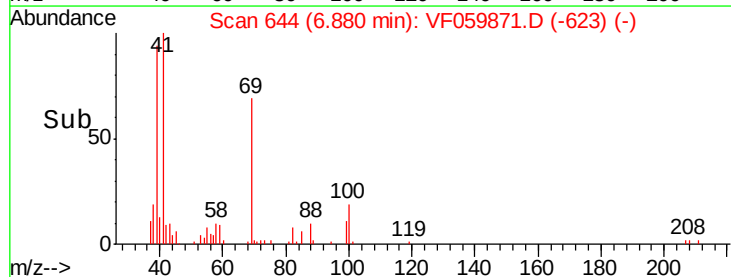
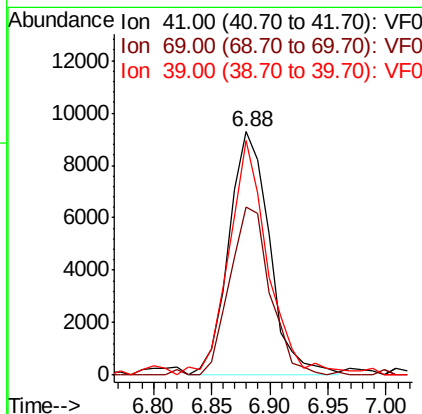
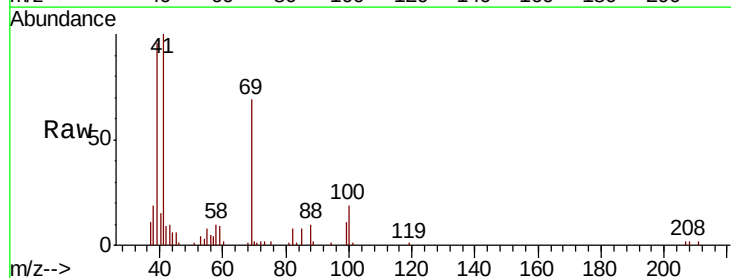
RT: 6.88 min Scan# 644

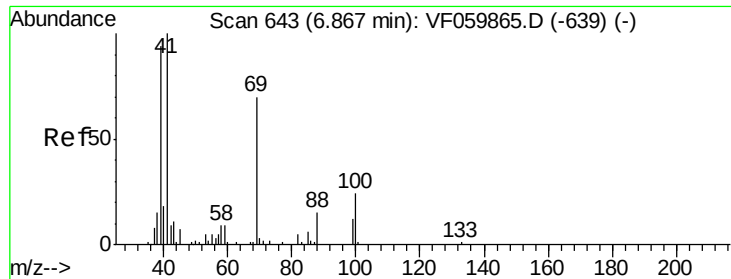
Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion:	41	Resp:	22591
Ion	Ratio	Lower	Upper
41	100		
69	68.9	44.4	66.6#
39	96.3	70.6	106.0





#49

1,4-Dioxane

Concen: 370.28 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

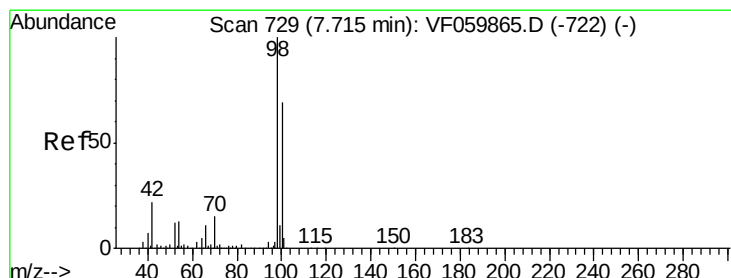
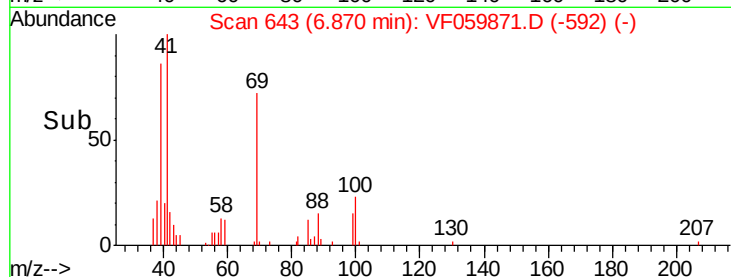
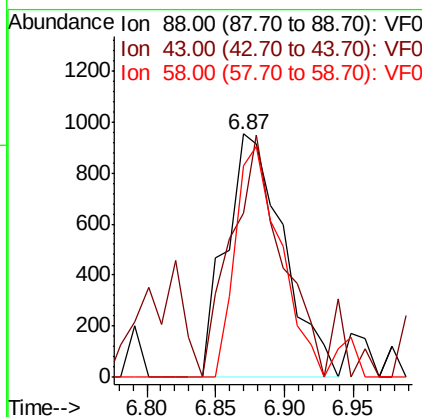
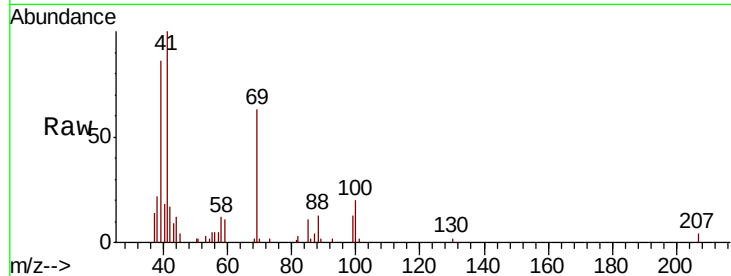
ClientSampleId :

VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	2763		
43	67.6		58.3	87.5
58	87.0		49.4	74.2#

Manual Integrations
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#50

Toluene-d8

Concen: 53.40 ug/l

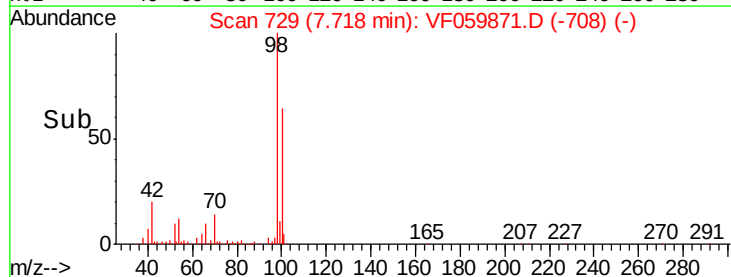
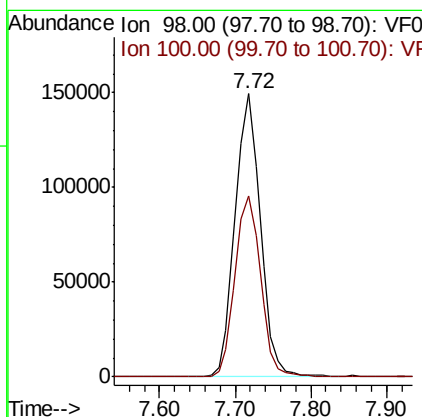
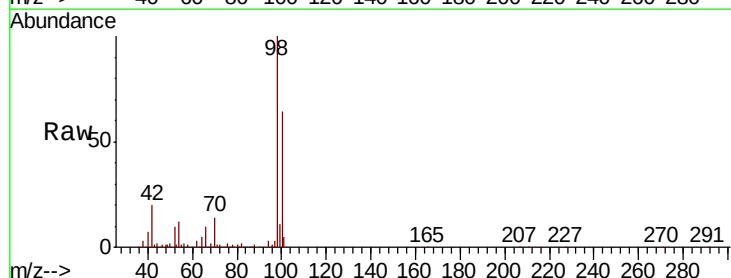
RT: 7.72 min Scan# 729

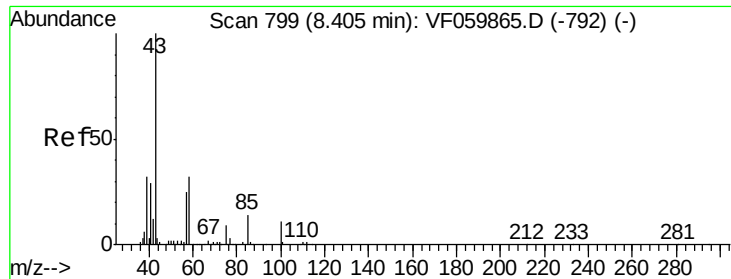
Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	346700		
100	63.8		55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 96.64 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 43 Resp: 154971

Ion Ratio Lower Upper

43 100

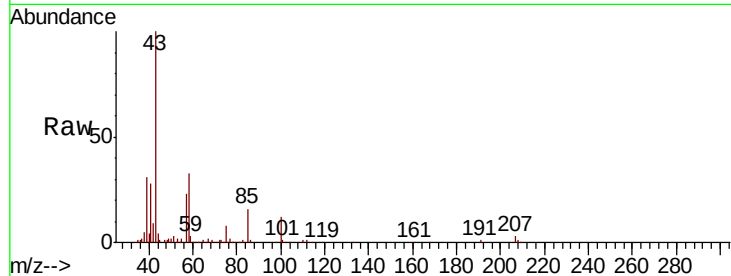
58 32.8 25.4 38.0

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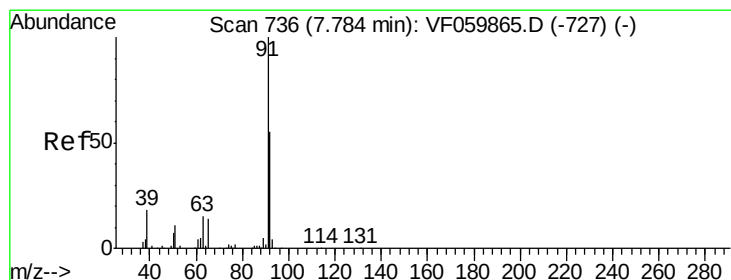
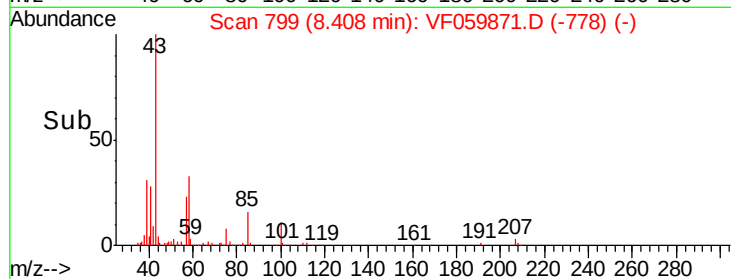
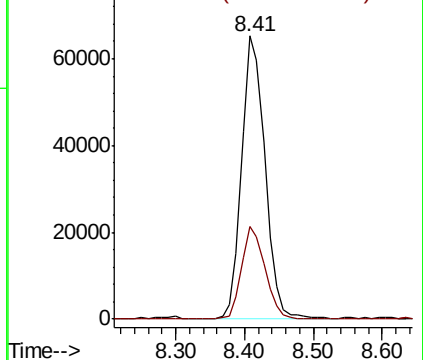
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.76 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059871.D

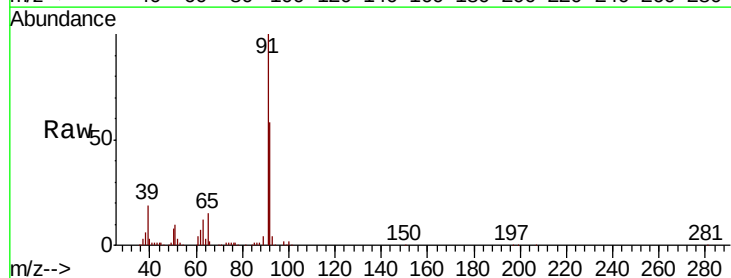
Acq: 4 Aug 2018 8:24

Tgt Ion: 92 Resp: 88521

Ion Ratio Lower Upper

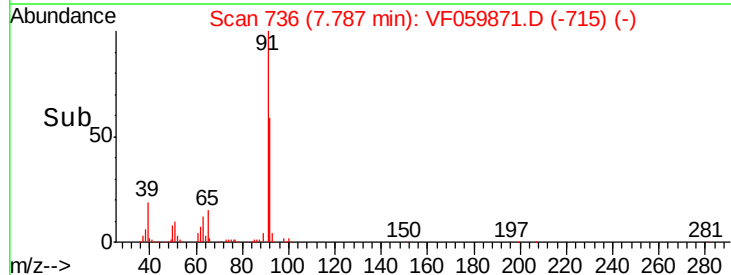
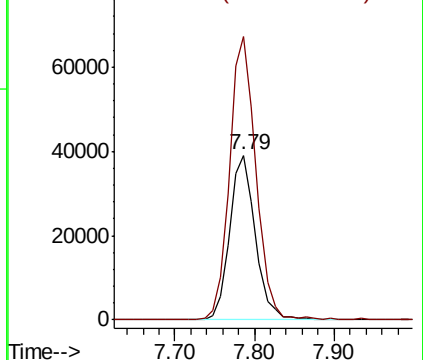
92 100

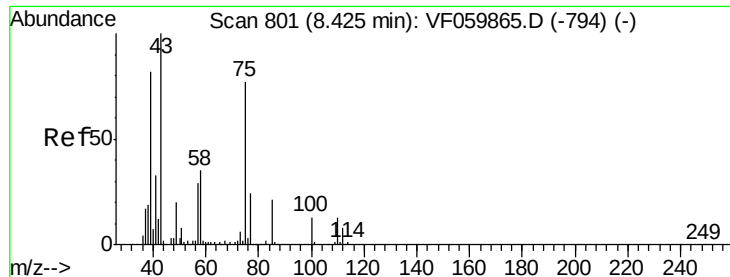
91 172.1 145.7 218.5



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: 18.95 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 75 Resp: 64759

Ion Ratio Lower Upper

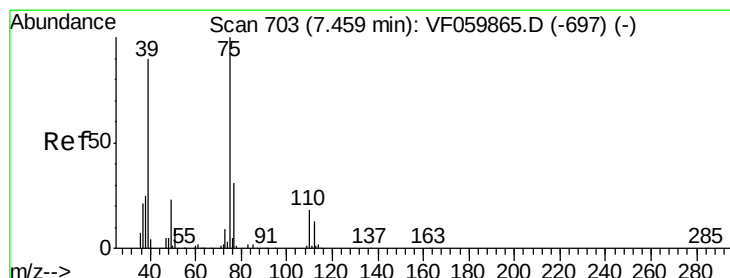
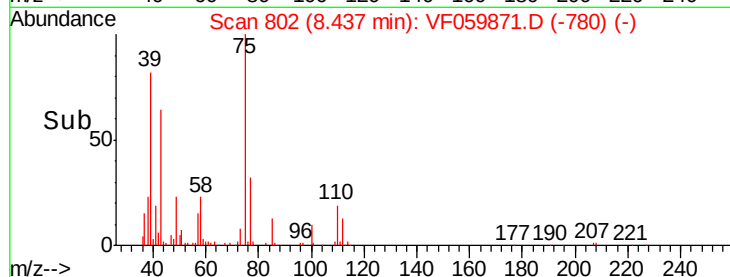
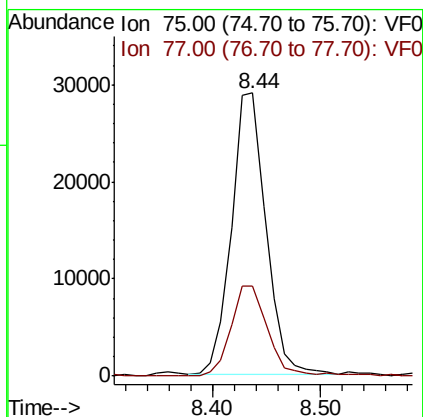
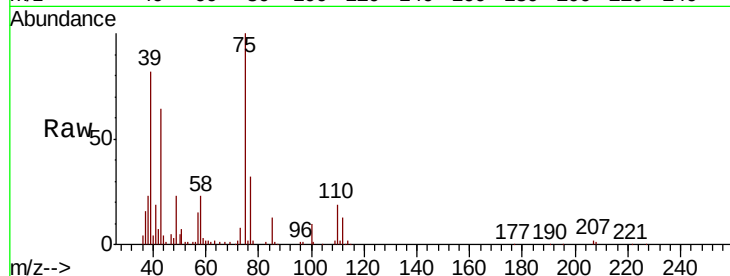
75 100

77 31.9 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 19.62 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

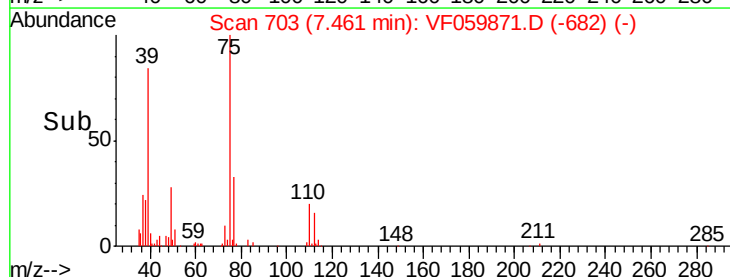
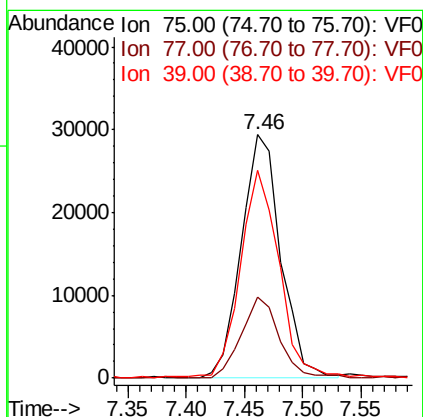
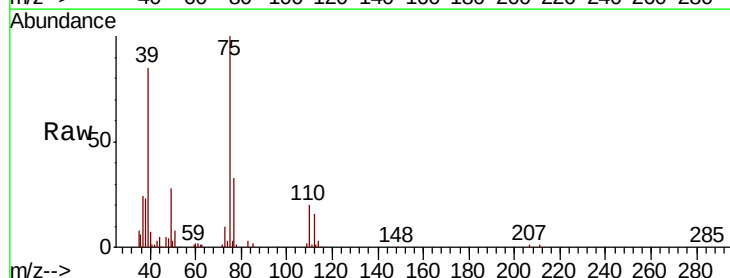
Tgt Ion: 75 Resp: 69194

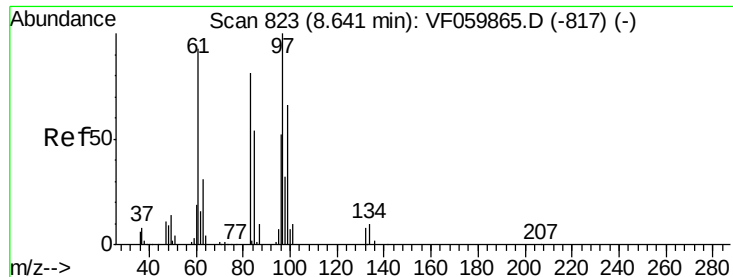
Ion Ratio Lower Upper

75 100

77 33.2 24.7 37.1

39 85.1 72.0 108.0





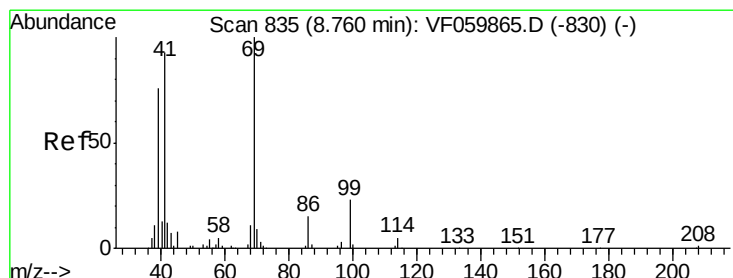
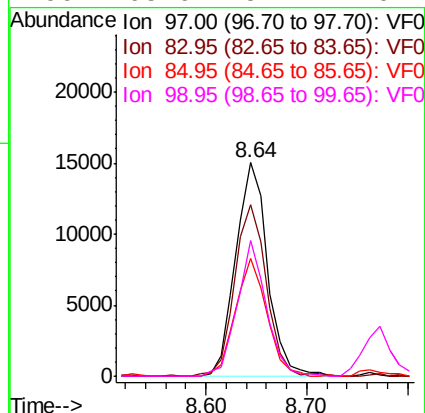
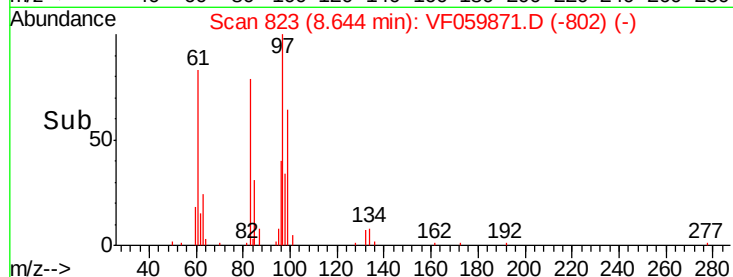
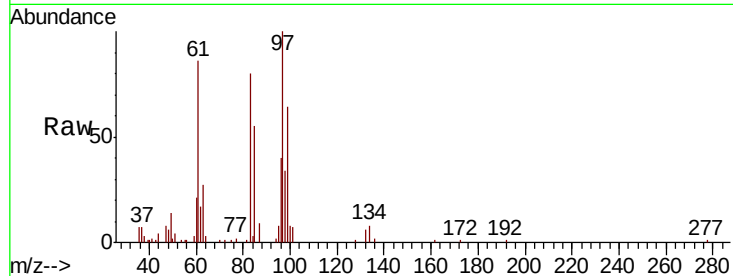
#55
 1,1,2-Trichloroethane
 Concen: 20.51 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		33078		
83	80.4	64.4	96.6		
85	54.8	43.1	64.7		
99	63.6	52.7	79.1		

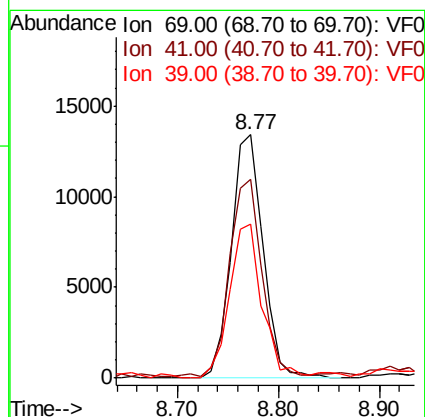
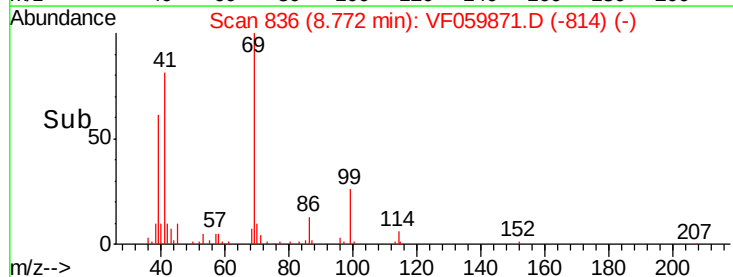
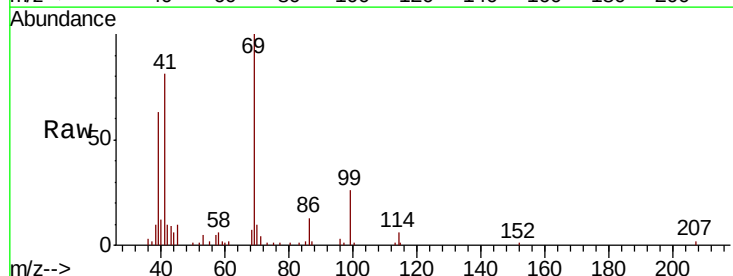
Manual Integrations
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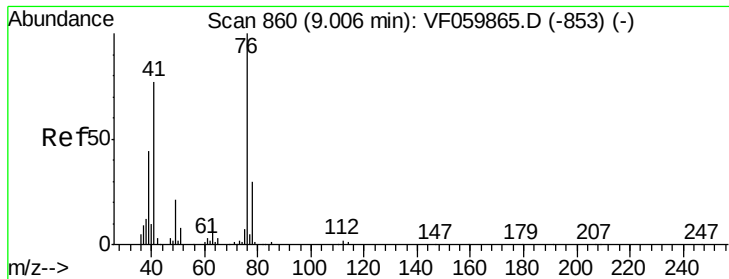
apatel
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#56
 Ethyl methacrylate
 Concen: 18.81 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		29305		
41	81.5	74.7	112.1		
39	63.2	61.1	91.7		





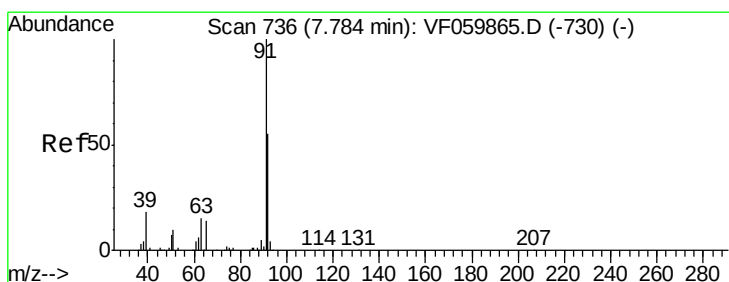
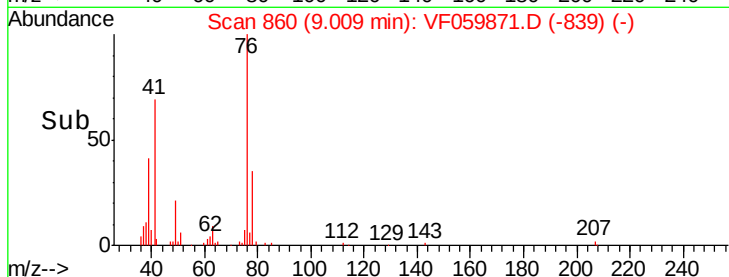
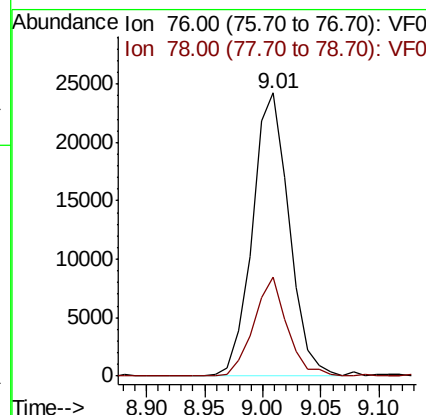
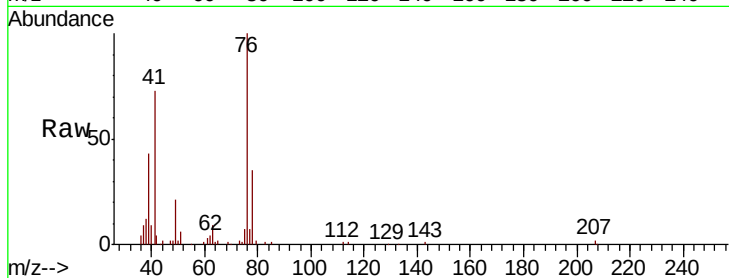
#57
 1,3-Dichloropropane
 Concen: 19.06 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.1	24.2	36.2

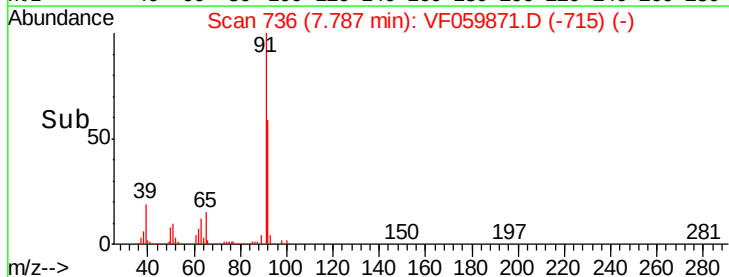
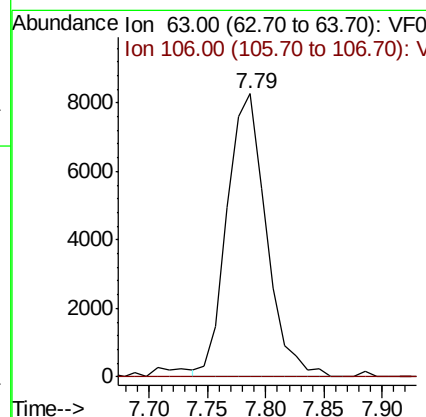
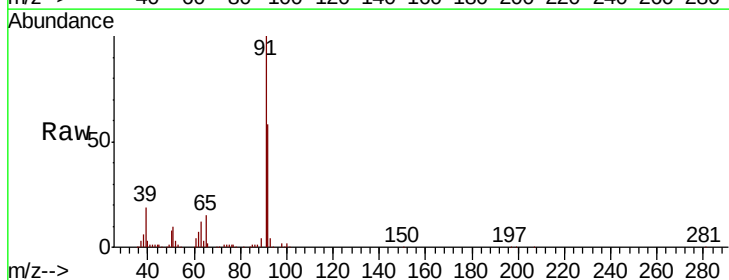
Manual Integrations
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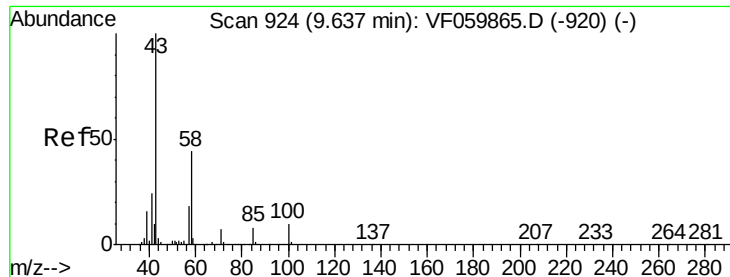
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 90.33 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





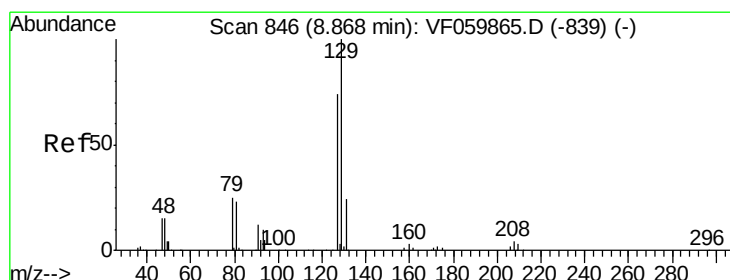
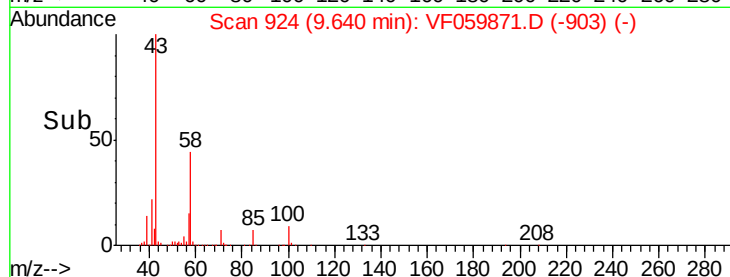
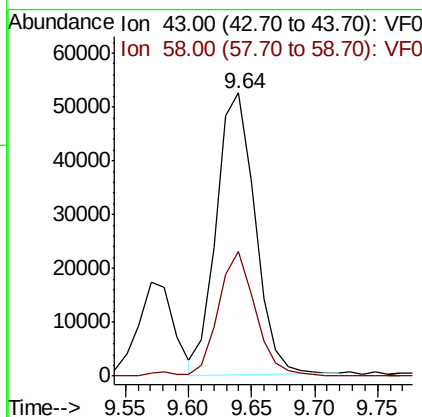
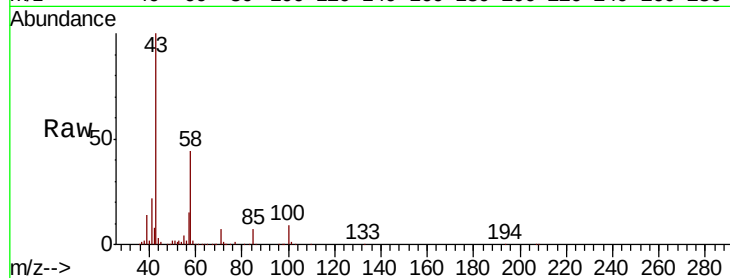
#59
2-Hexanone
Concen: 98.02 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.2	20.8	62.2

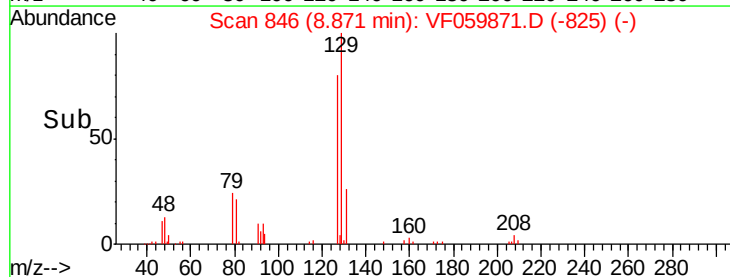
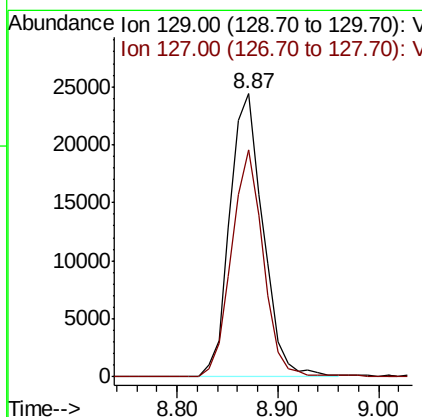
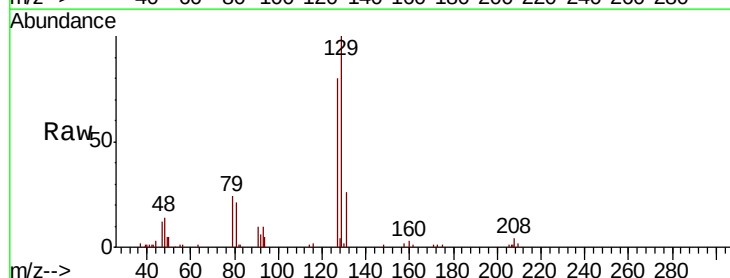
Manual Integrations
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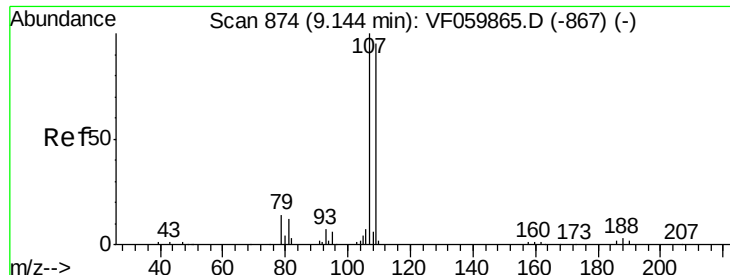
apatel
8/6/2018 10:26:22 AM



#60
Dibromochloromethane
Concen: 18.52 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.2	36.9	110.7





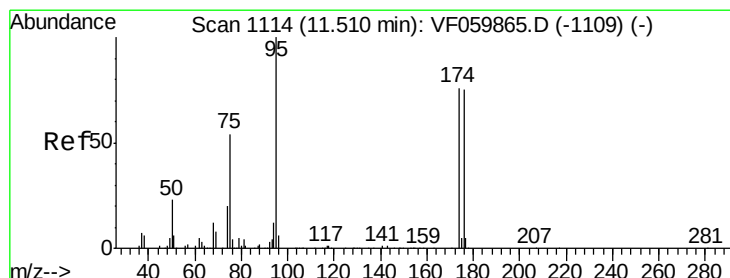
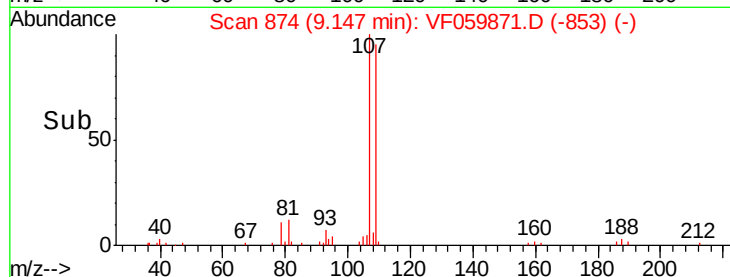
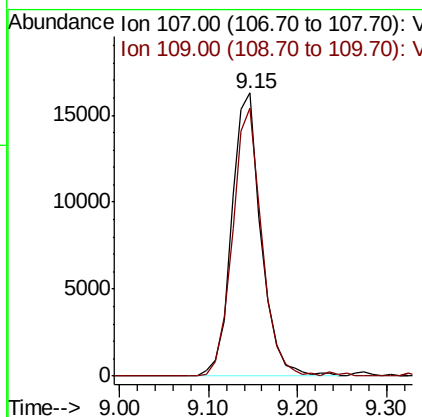
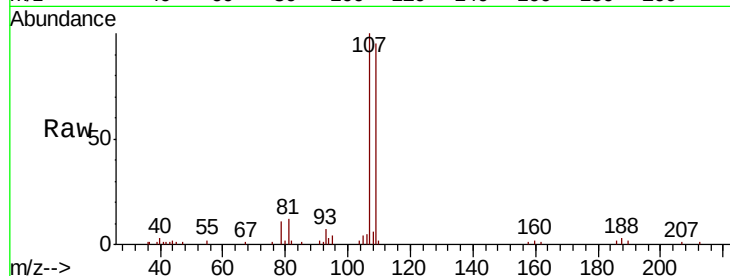
#61
 1,2-Dibromoethane
 Concen: 19.12 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

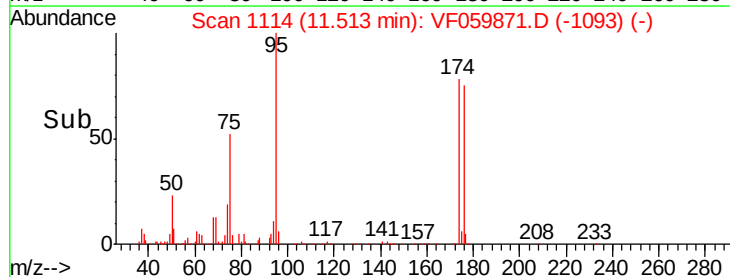
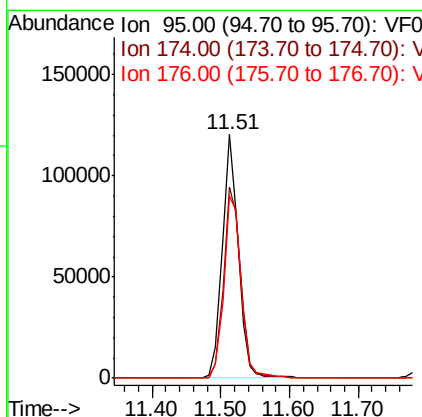
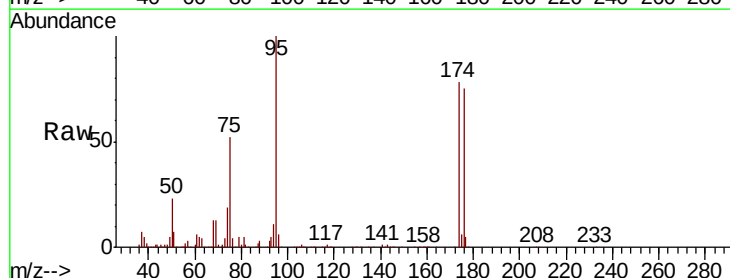
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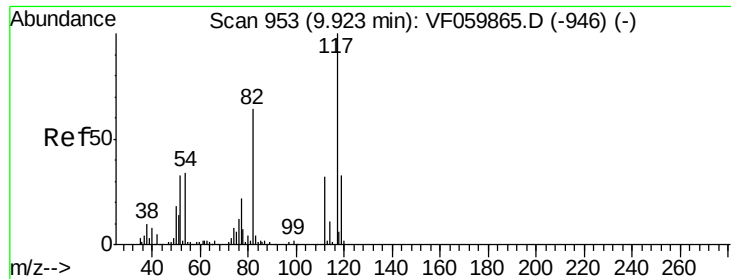
apatel
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#62
 4-Bromofluorobenzene
 Concen: 53.72 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	151.6
176	74.9	0.0	149.8





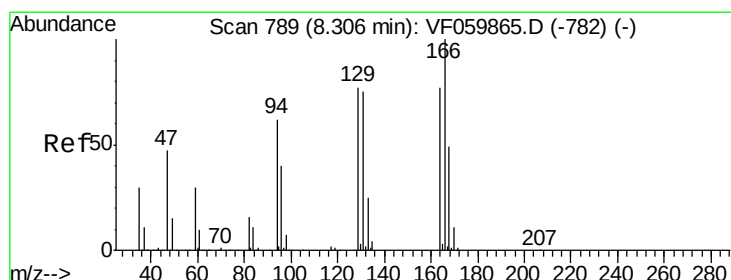
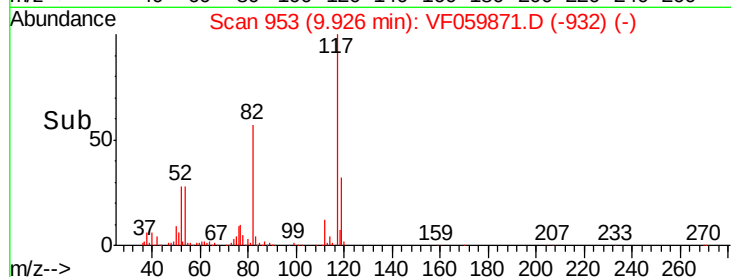
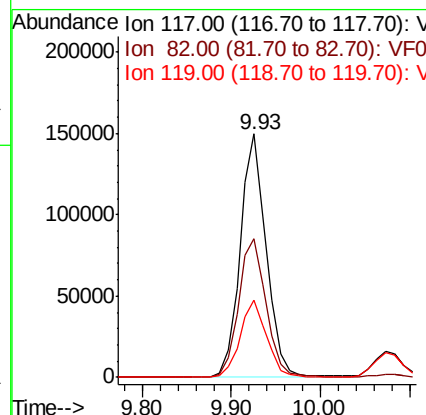
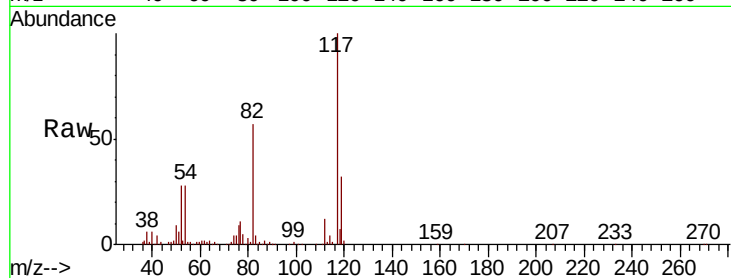
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	51.3	76.9
119	31.9	26.4	39.6

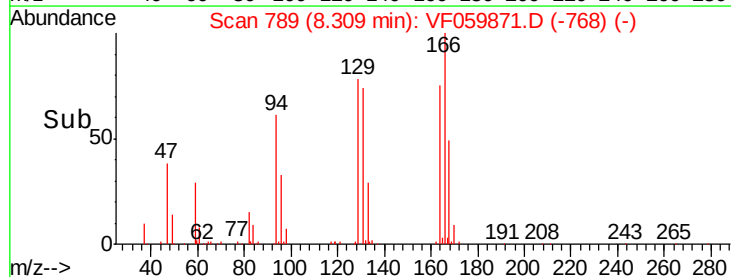
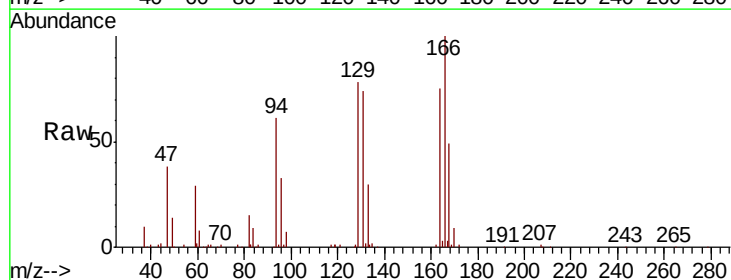
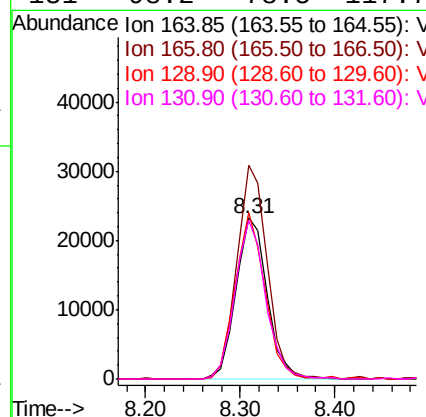
Manual Integrations
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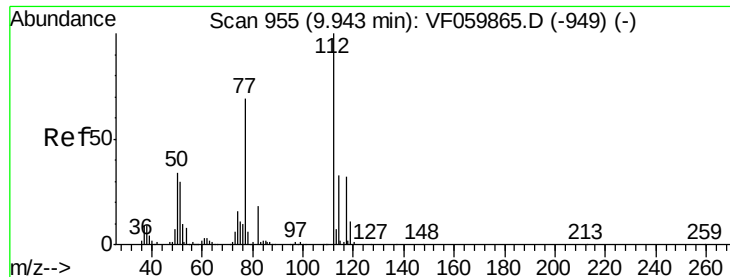
apatel
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#64
Tetrachloroethene
Concen: 20.08 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	104.4	156.6
129	103.3	80.3	120.5
131	98.2	78.5	117.7





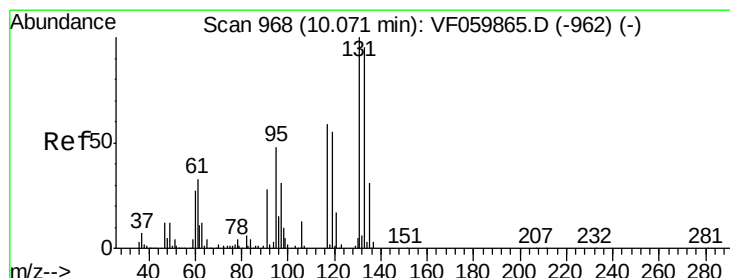
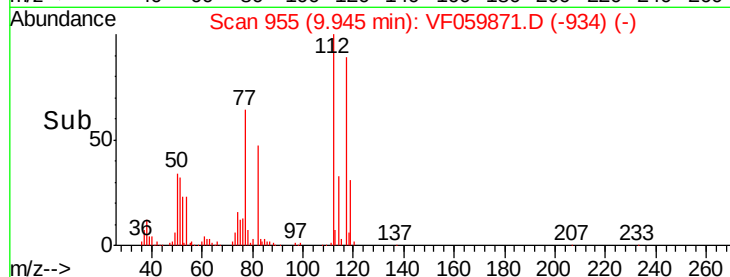
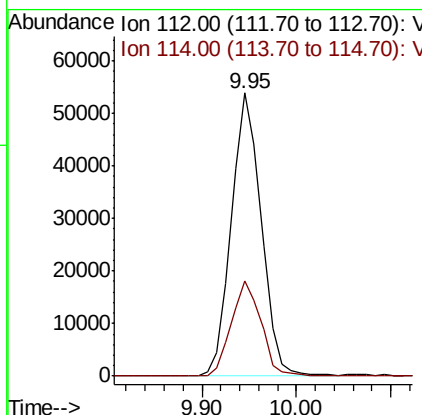
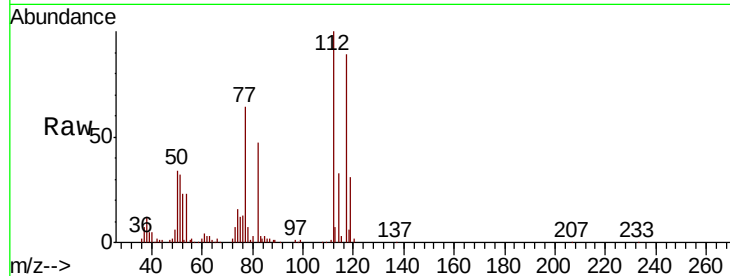
#65
Chlorobenzene
Concen: 19.02 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampled :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	26.4	39.6

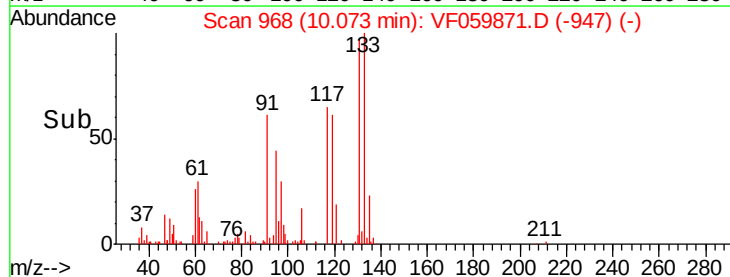
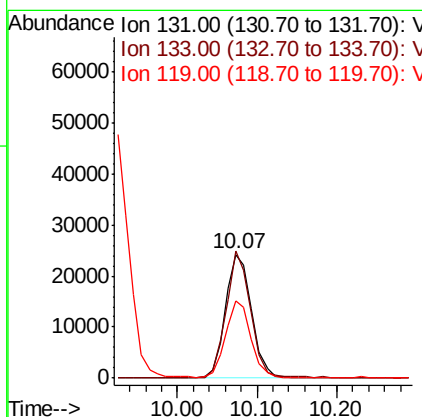
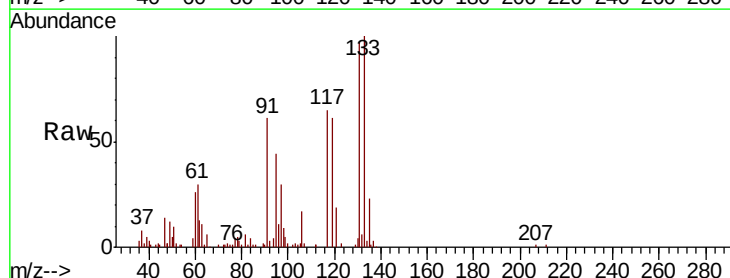
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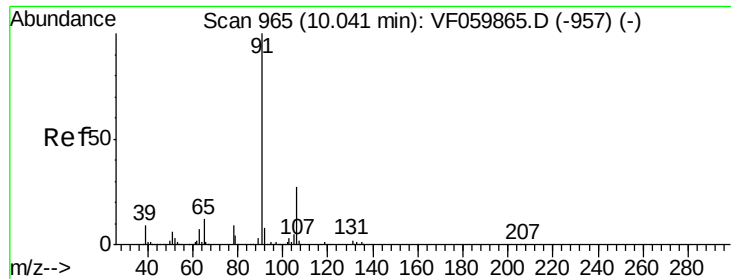
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.21 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.6	47.4	142.2
119	63.0	27.7	83.1





#67

Ethyl Benzene

Concen: 19.58 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 91 Resp: 211488

Ion Ratio Lower Upper

91 100

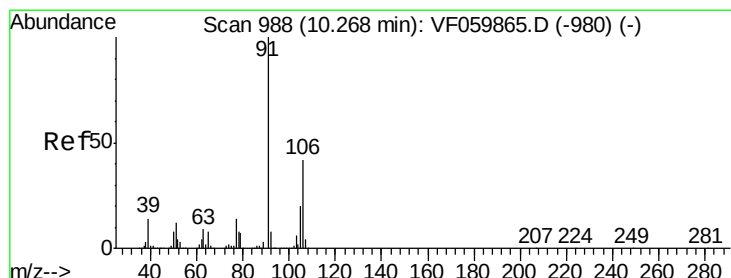
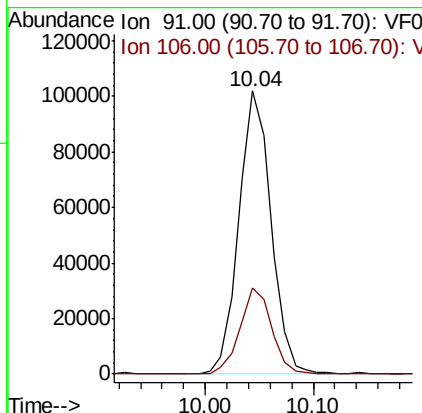
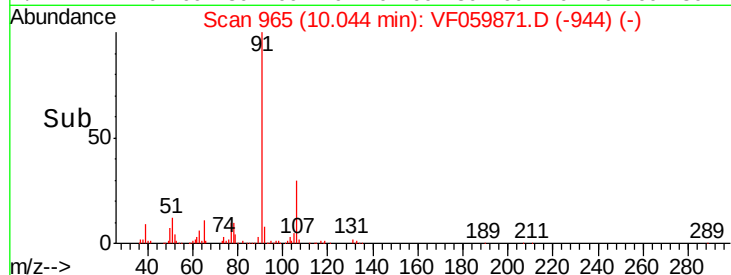
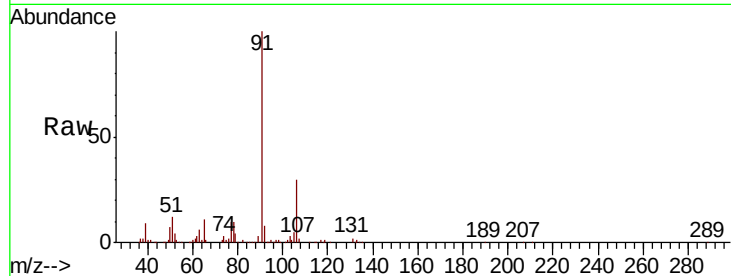
106 30.4 21.5 32.3

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#68

m/p-Xylenes

Concen: 40.32 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059871.D

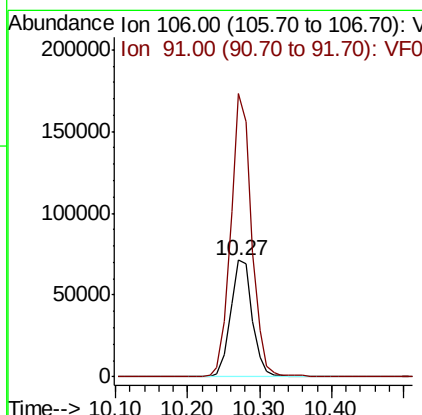
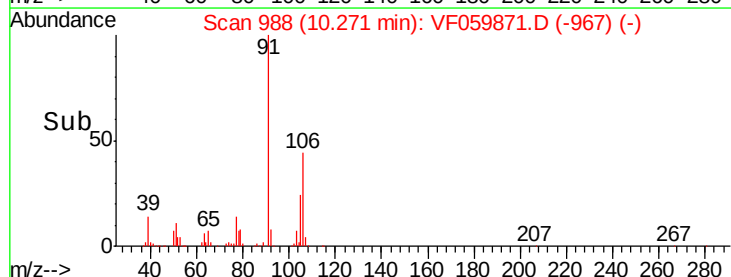
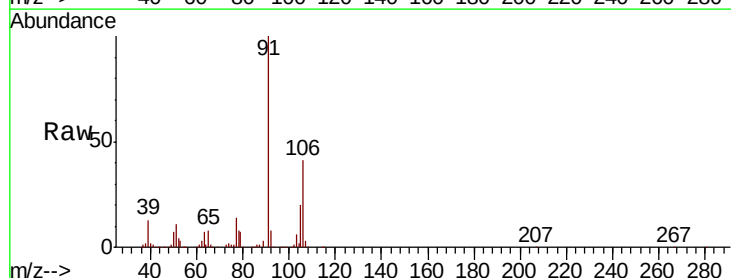
Acq: 4 Aug 2018 8:24

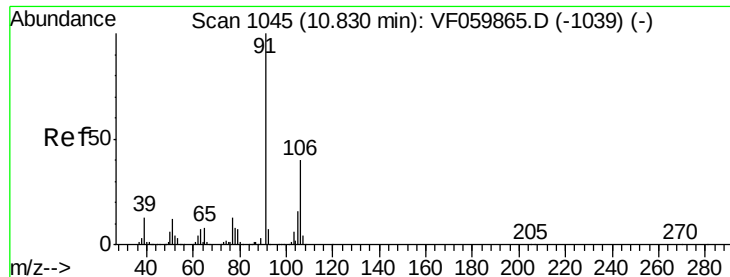
Tgt Ion: 106 Resp: 150578

Ion Ratio Lower Upper

106 100

91 242.9 192.1 288.1





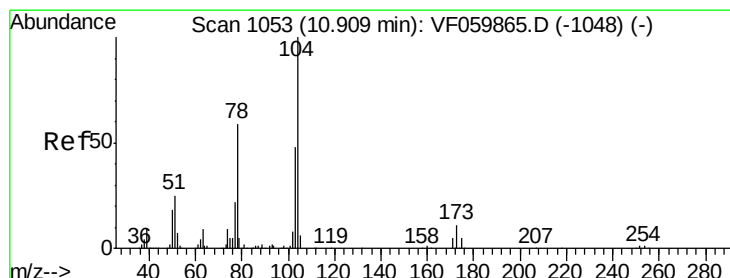
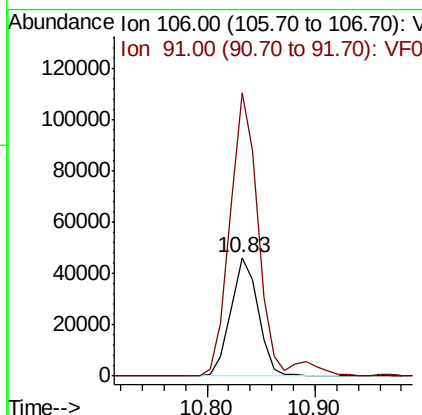
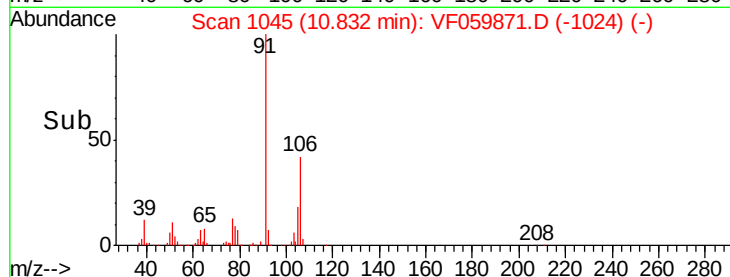
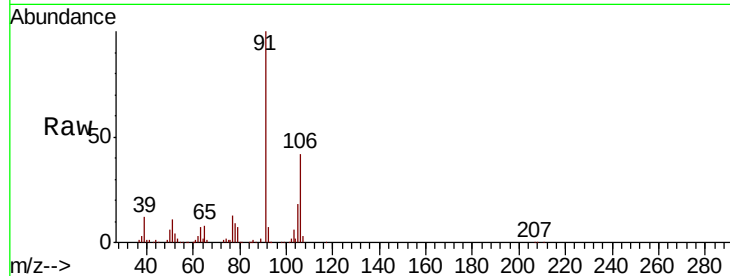
#69
o-Xylene
Concen: 20.86 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion:106 Resp: 82505
Ion Ratio Lower Upper
106 100
91 238.9 125.4 376.2

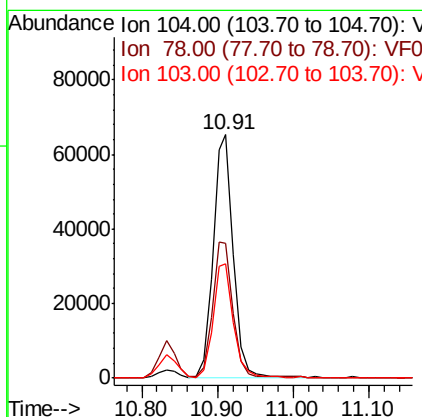
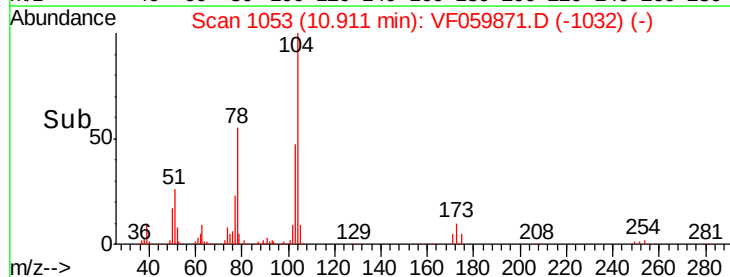
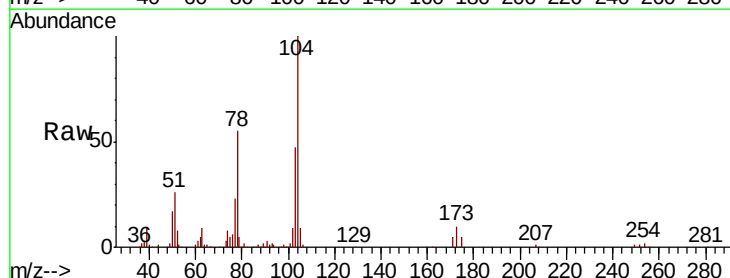
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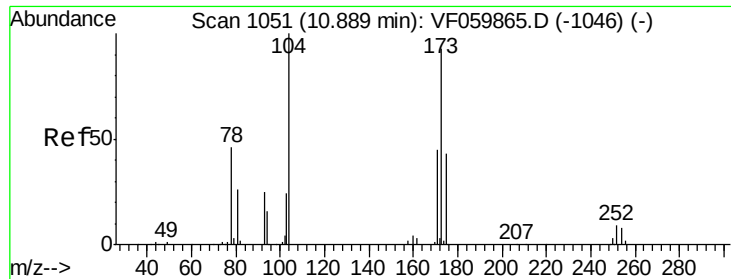
apatel
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#70
Styrene
Concen: 20.54 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion:104 Resp: 121272
Ion Ratio Lower Upper
104 100
78 55.3 47.3 70.9
103 47.2 39.0 58.4





#71

Bromoform

Concen: 18.59 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

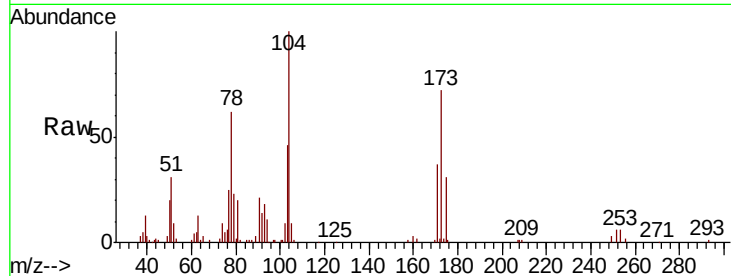
ClientSampleId :

VF0804SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.7	23.4	70.2
254	0.0	0.0	0.0

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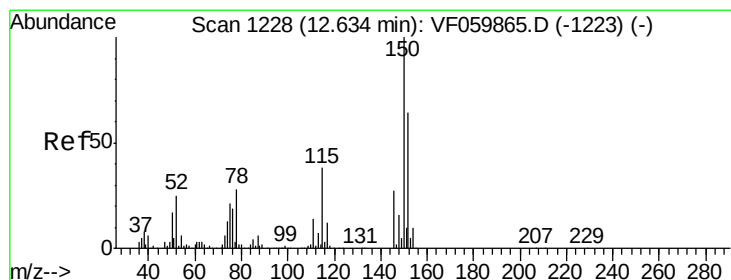
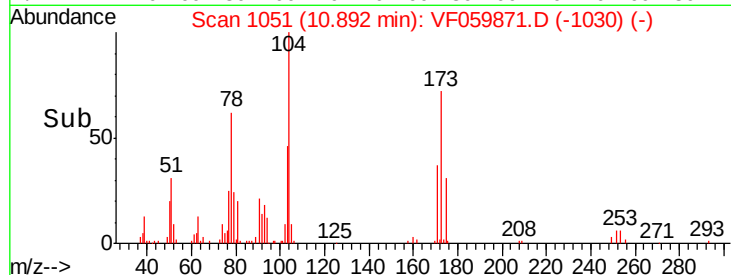
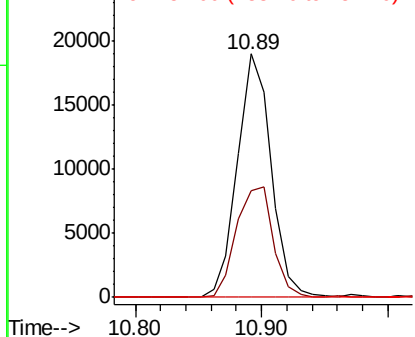


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

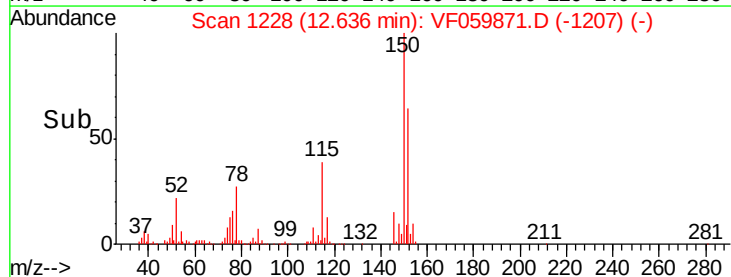
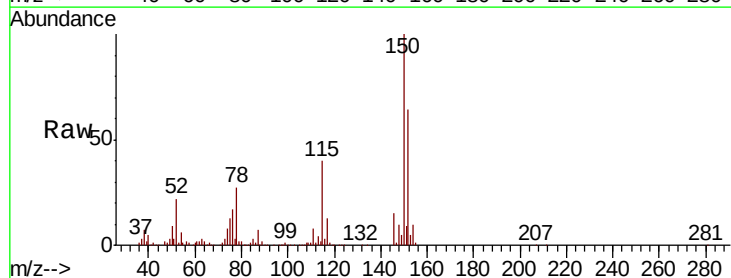
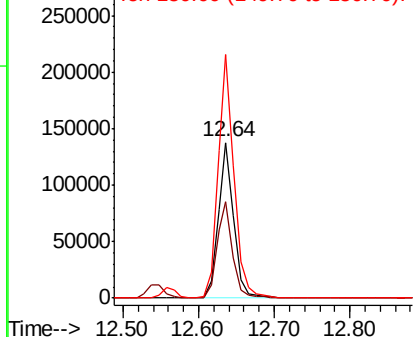
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	29.8	89.4
150	156.3	0.0	315.6

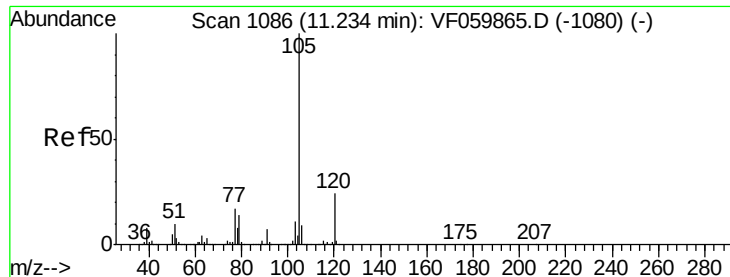
Abundance

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: 21.43 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 105 Resp: 263699

Ion Ratio Lower Upper

105 100

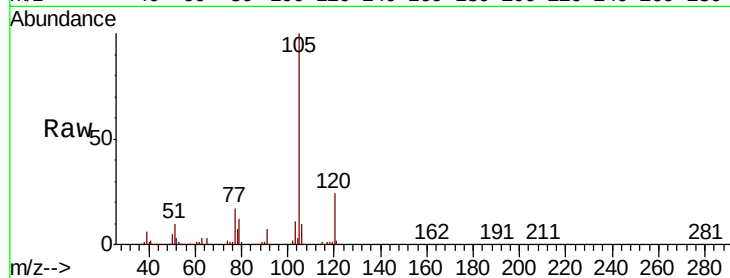
120 24.4 12.1 36.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

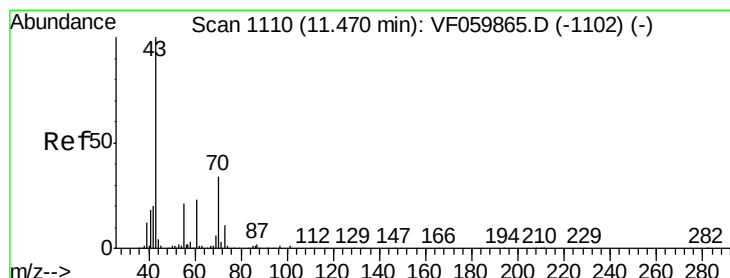
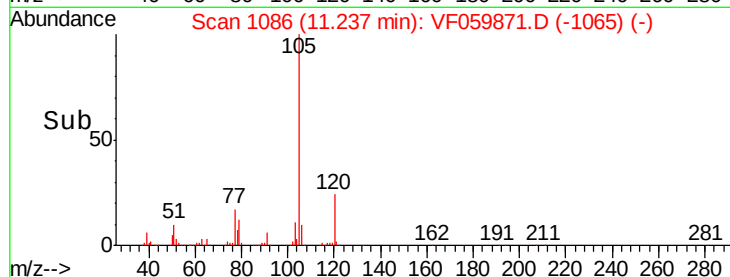
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.60 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion: 43 Resp: 57093

Ion Ratio Lower Upper

43 100

70 33.1 27.5 41.3

55 19.6 16.6 25.0

61 18.5 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

50000

40000

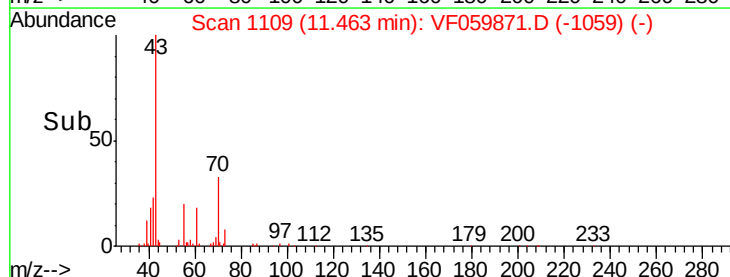
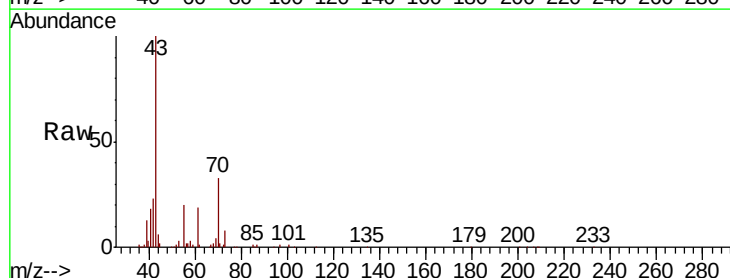
30000

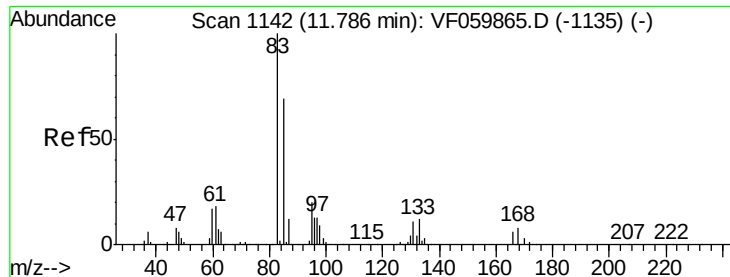
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.98 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

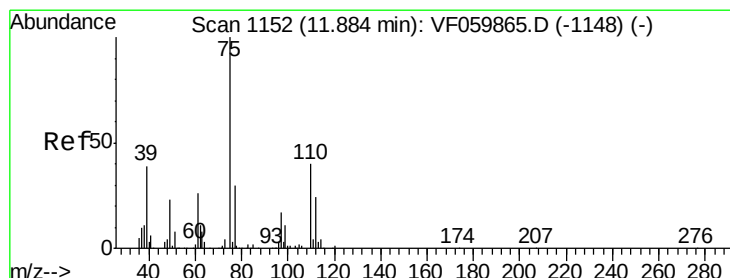
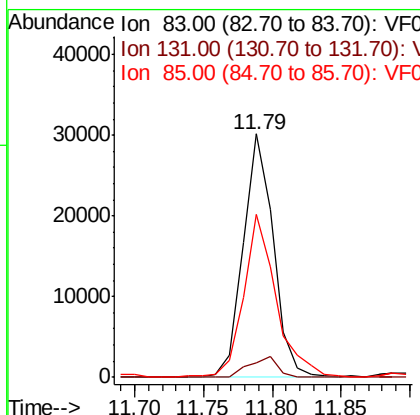
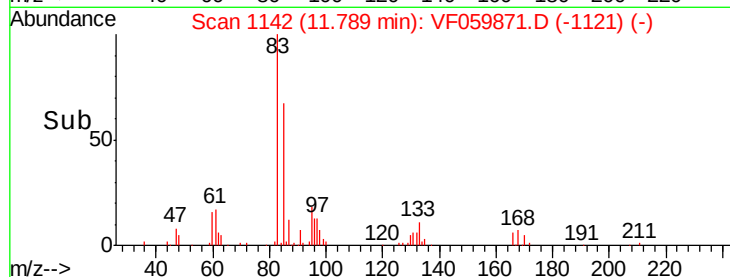
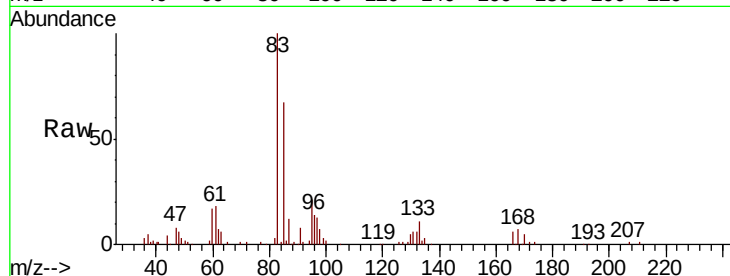
ClientSampleId :

VF0804SBS02

Tot Ion:	83	Resp:	46150
Ion Ratio	Lower	Upper	
83	100		
131	6.0	5.3	15.9
85	66.8	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 19.63 ug/l

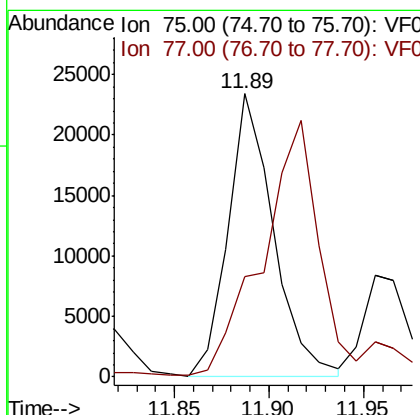
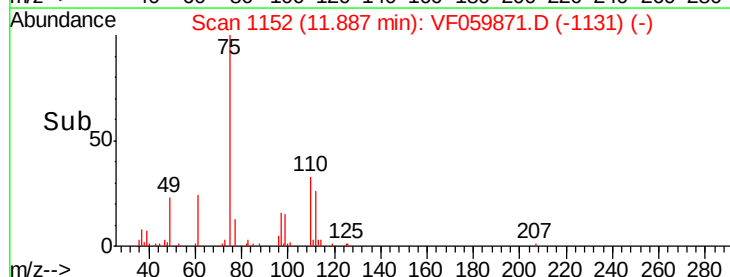
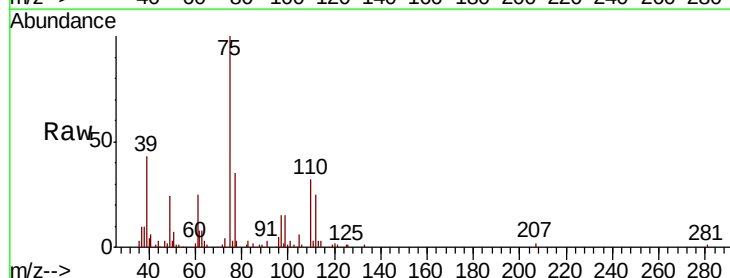
RT: 11.89 min Scan# 1152

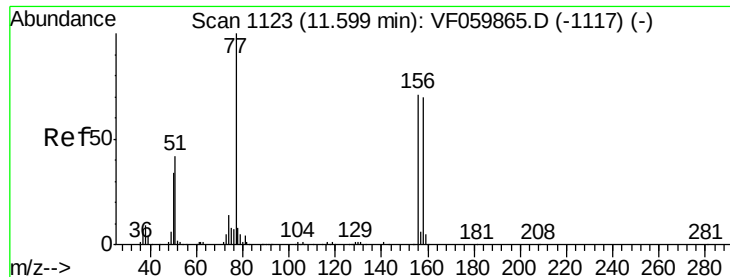
Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion:	75	Resp:	38949
Ion Ratio	Lower	Upper	
75	100		
77	35.3	15.4	46.2





#77

Bromobenzene

Concen: 19.88 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion:156 Resp: 66513

Ion Ratio Lower Upper

156 100

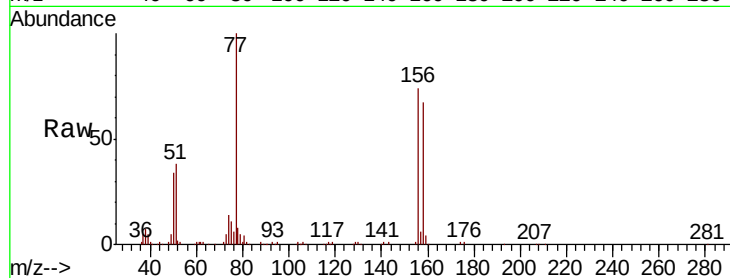
77 135.1 70.2 210.6

158 90.7 49.2 147.6

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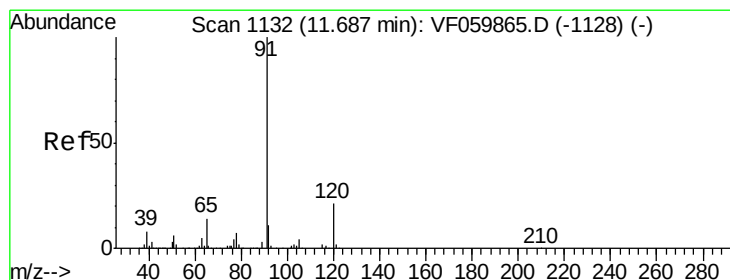
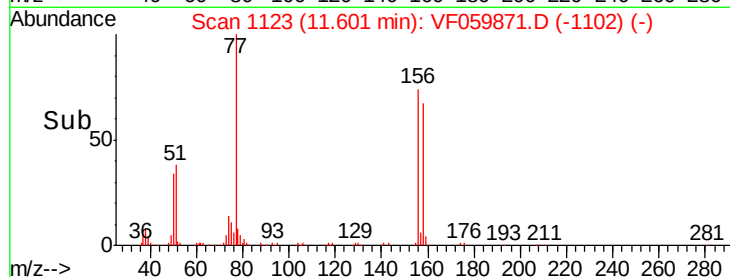
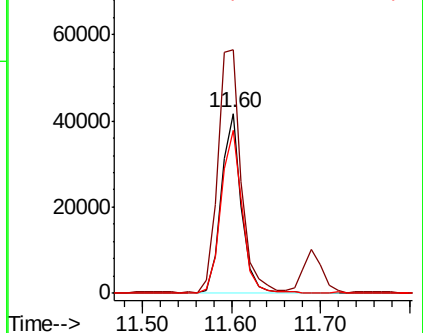
8/6/2018 10:26:22 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.24 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059871.D

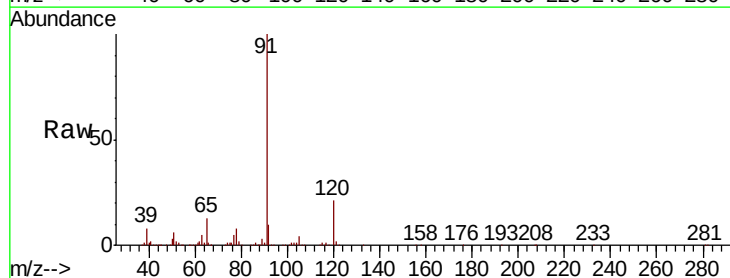
Acq: 4 Aug 2018 8:24

Tgt Ion: 91 Resp: 308578

Ion Ratio Lower Upper

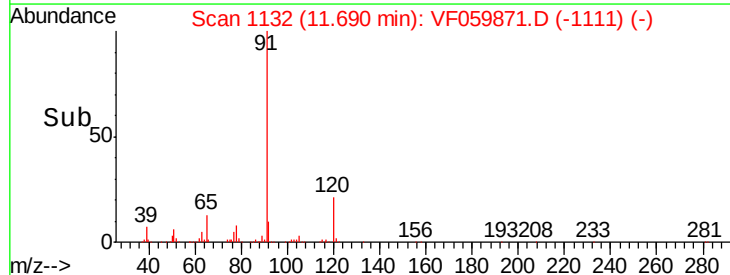
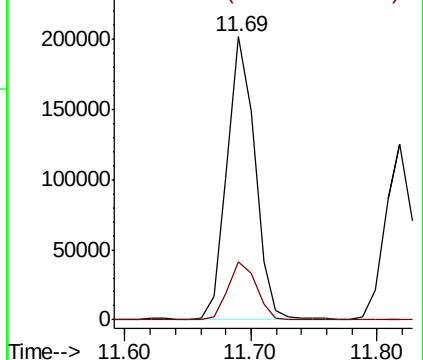
91 100

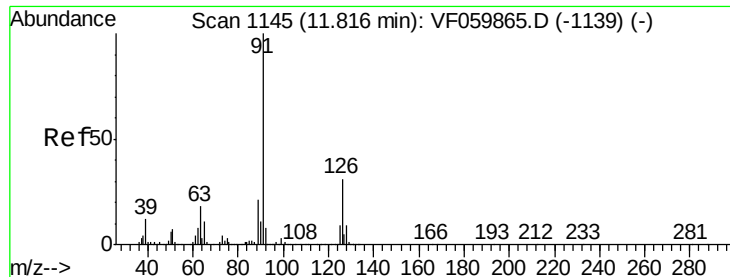
120 20.7 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.54 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 91 Resp: 188740

Ion Ratio Lower Upper

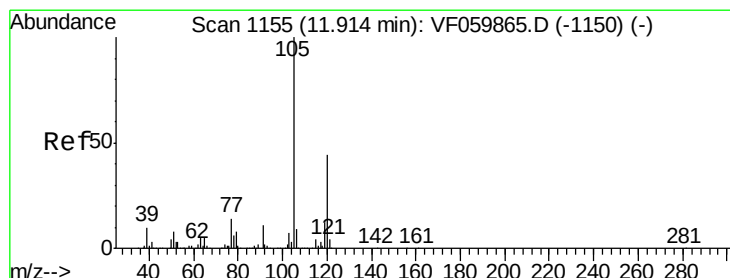
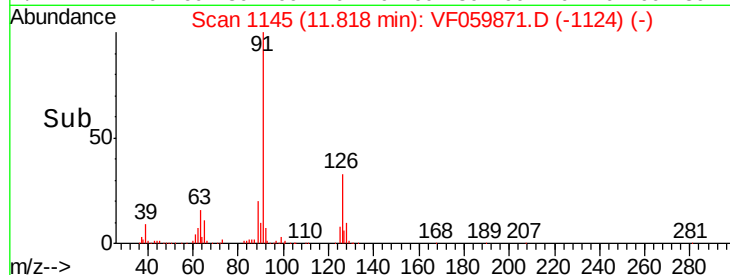
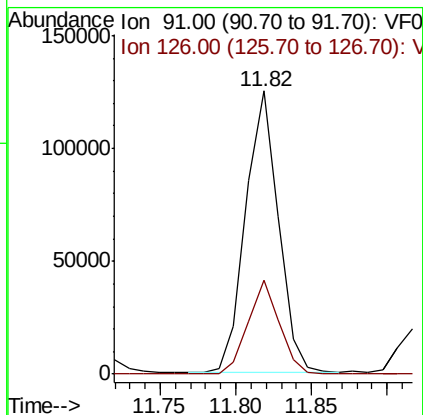
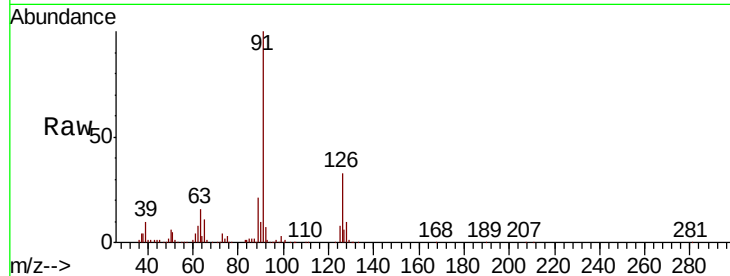
91 100

126 33.0 15.6 46.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.24 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059871.D

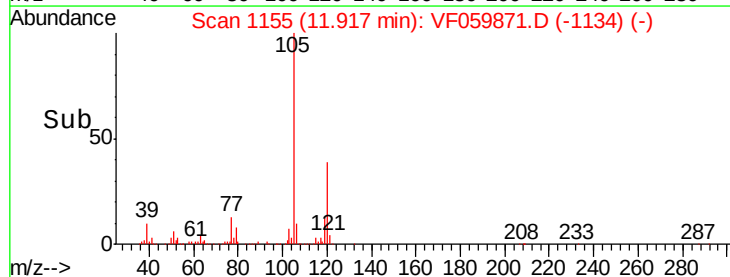
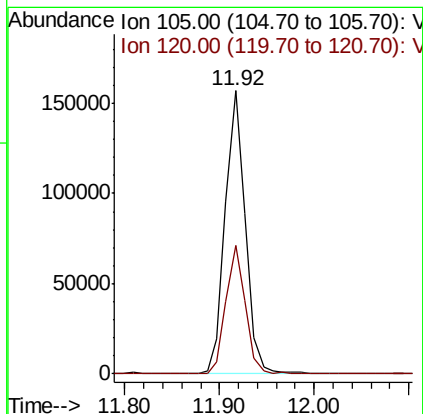
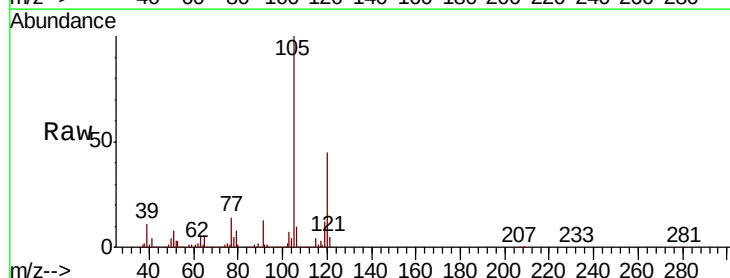
Acq: 4 Aug 2018 8:24

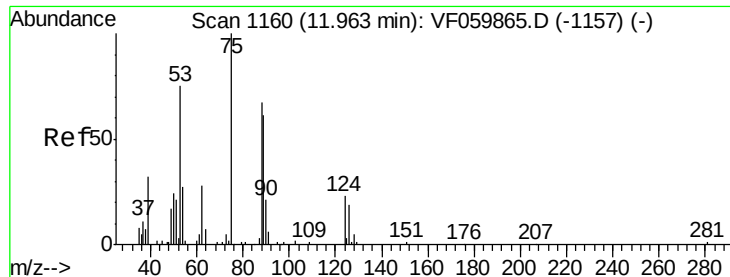
Tgt Ion:105 Resp: 231263

Ion Ratio Lower Upper

105 100

120 45.3 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.22 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

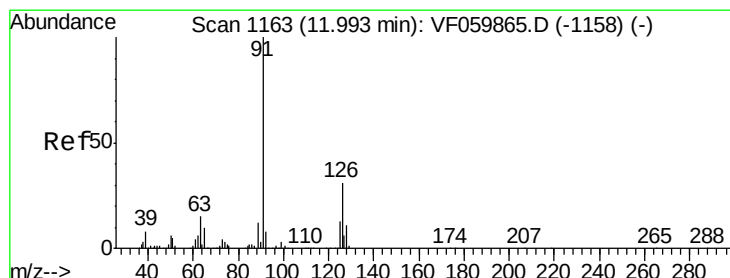
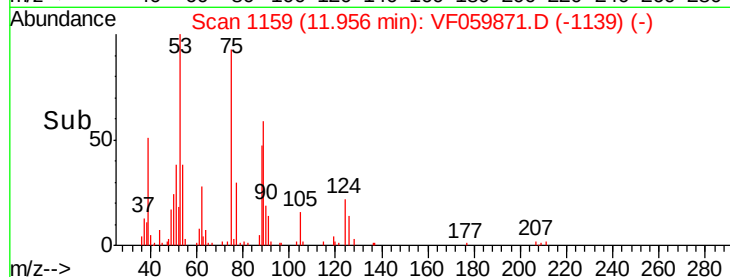
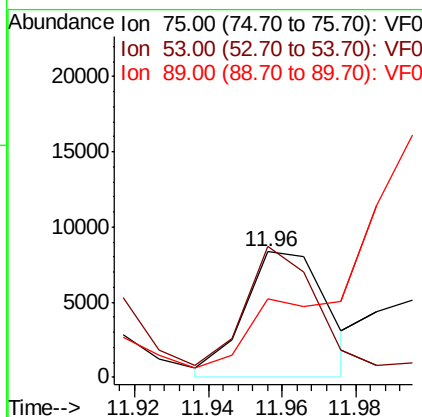
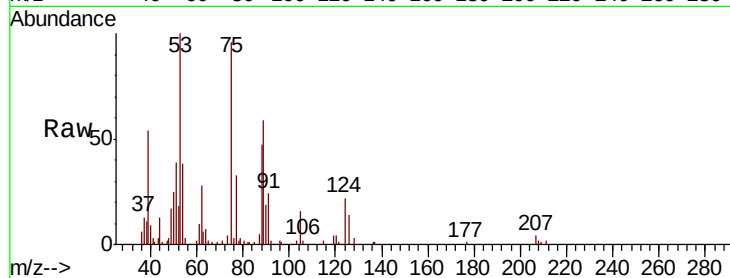
ClientSampleId :

VF0804SBS02

Tot Ion:	75	Resp:	12986
Ion Ratio	Lower	Upper	
75	100		
53	104.6	65.9	98.9#
89	62.0	50.6	76.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.64 ug/l

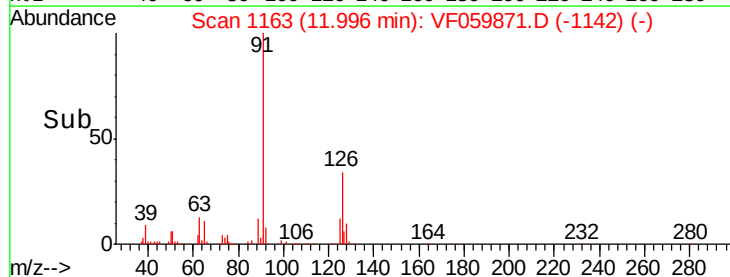
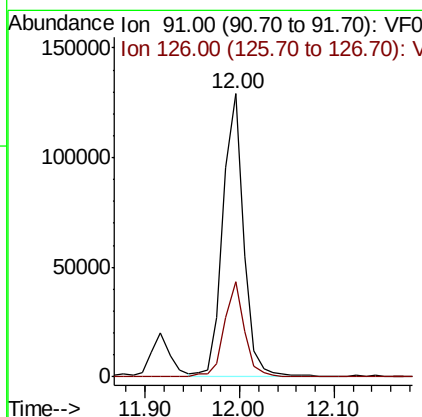
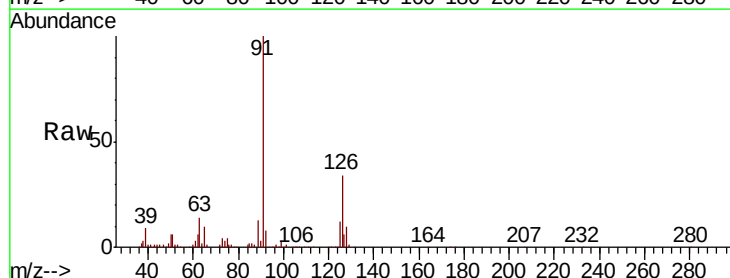
RT: 12.00 min Scan# 1163

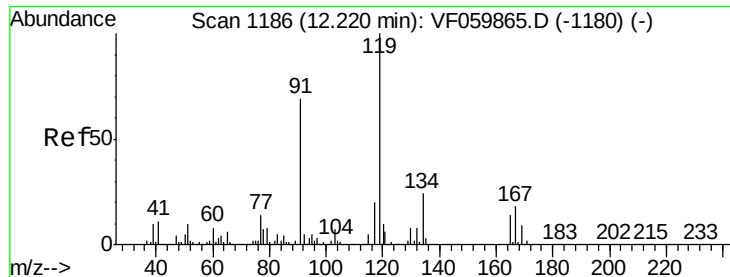
Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion:	91	Resp:	196037
Ion Ratio	Lower	Upper	
91	100		
126	33.7	15.7	47.0





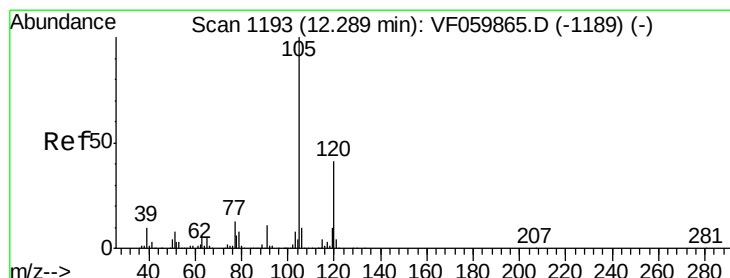
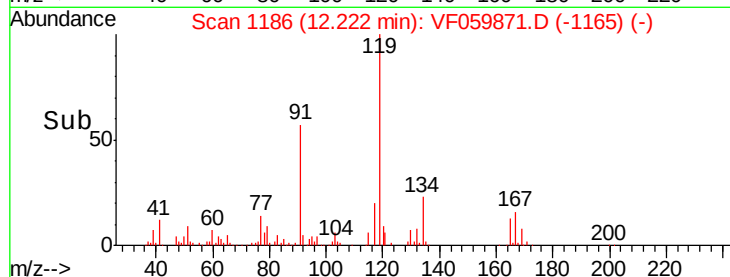
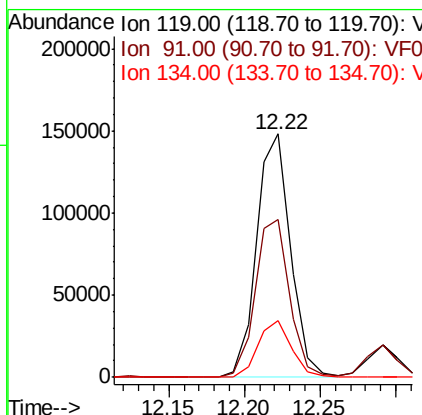
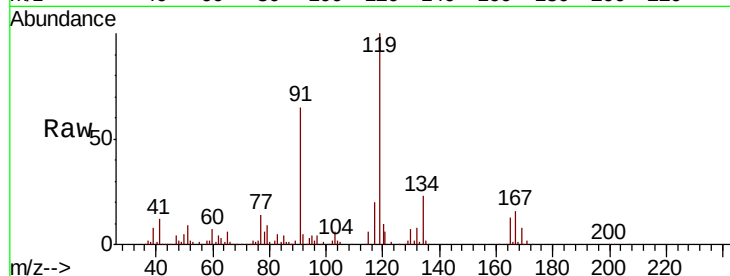
#83
 tert-Butylbenzene
 Concen: 20.94 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	232833		
91	64.8	34.4	103.2	
134	23.5	12.1	36.3	

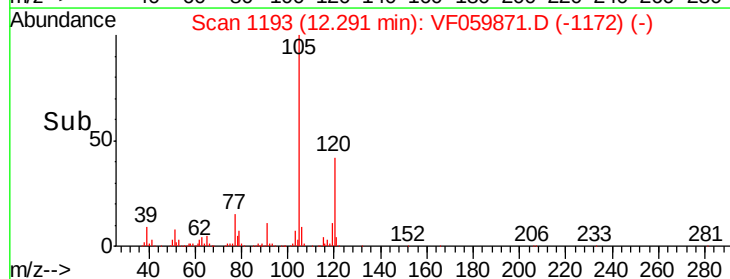
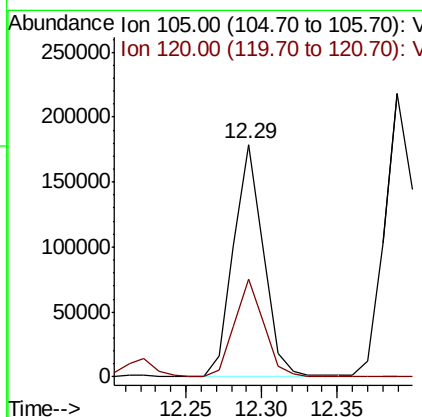
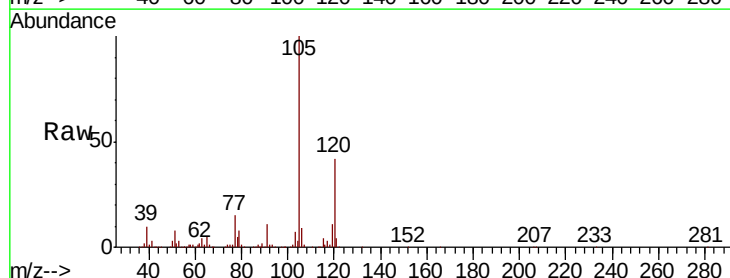
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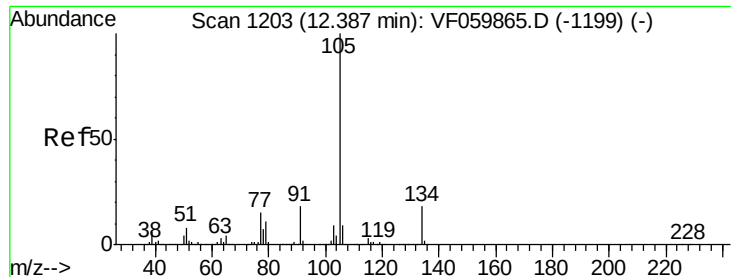
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.98 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246496		
120	42.3	20.8	62.5	





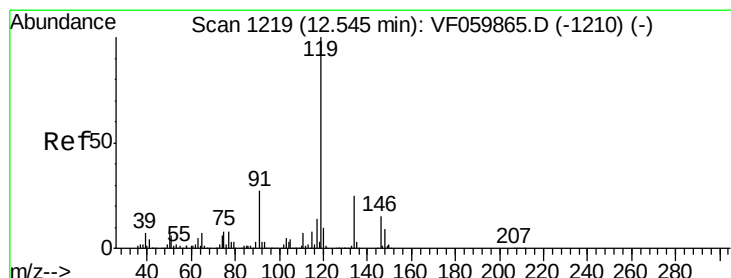
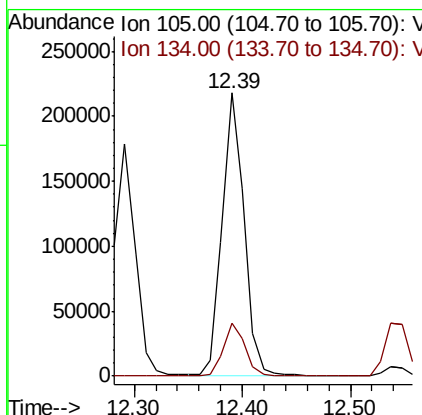
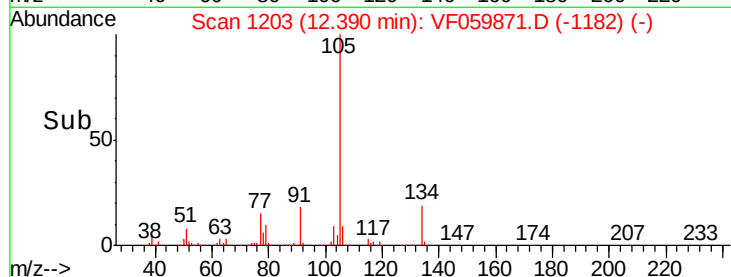
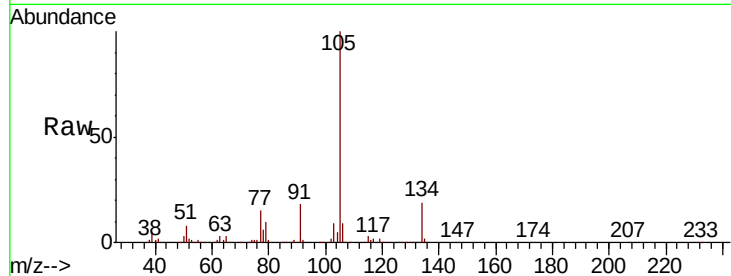
#85
 sec-Butylbenzene
 Concen: 20.78 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0804SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.1	27.3

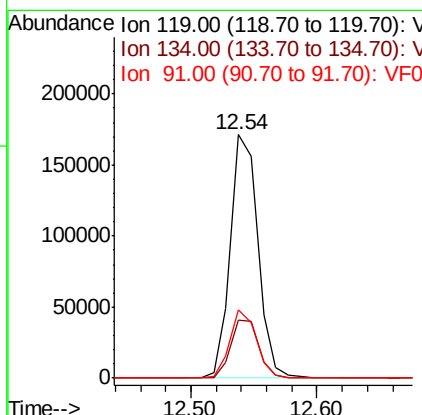
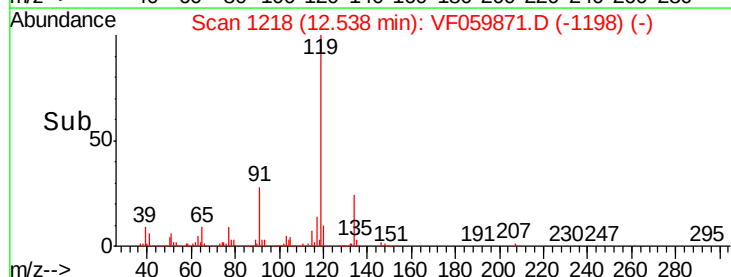
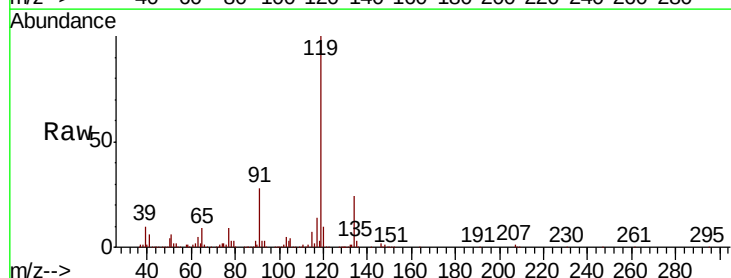
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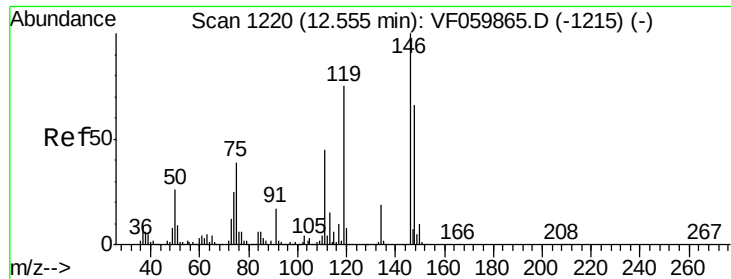
apatel
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#86
 p-Isopropyltoluene
 Concen: 20.85 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.0	12.4	37.0
91	27.9	13.6	40.7





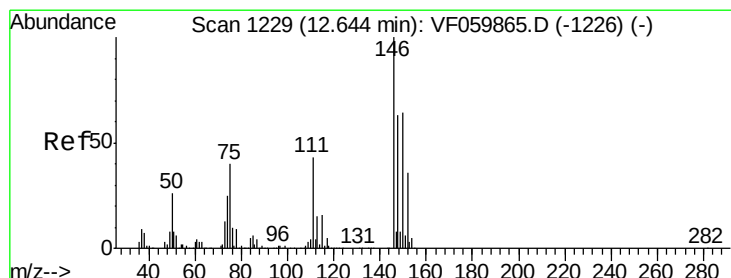
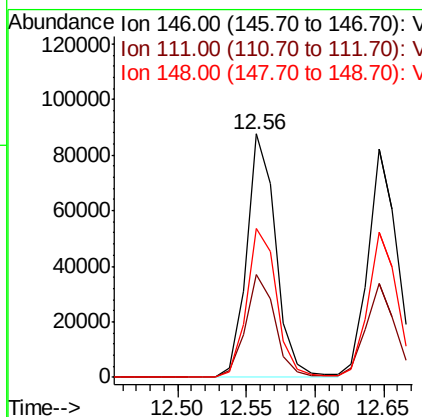
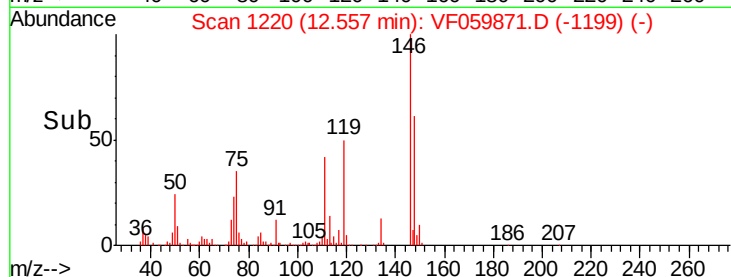
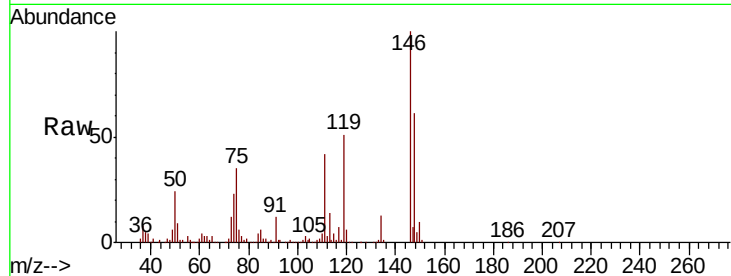
#87
 1,3-Dichlorobenzene
 Concen: 20.55 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	130280		
111	42.4	22.4	67.0	
148	61.1	33.1	99.3	

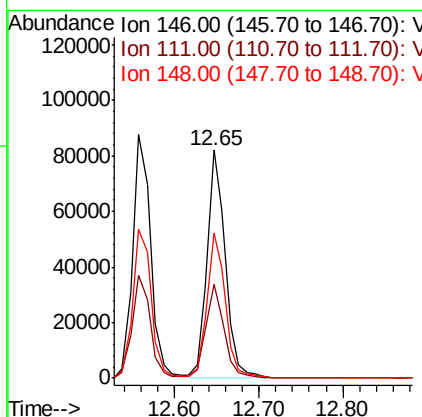
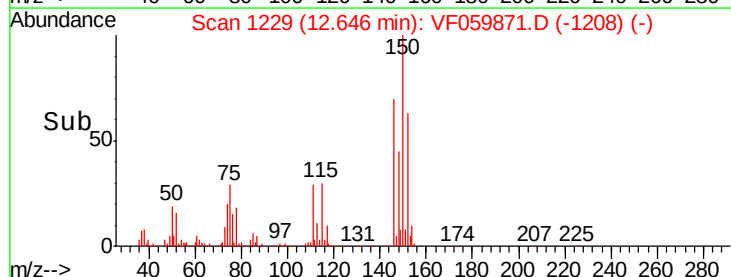
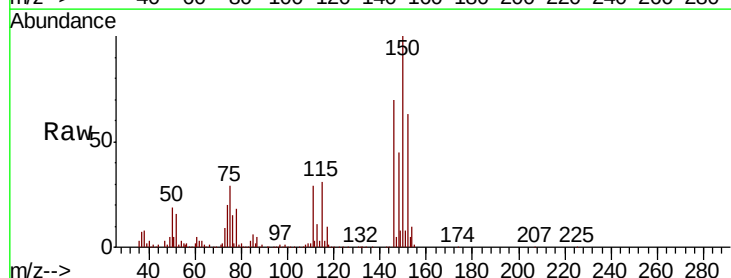
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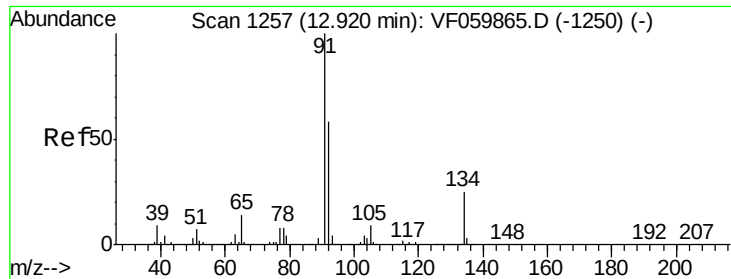
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 19.95 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124128		
111	41.4	21.4	64.2	
148	63.7	31.6	94.7	





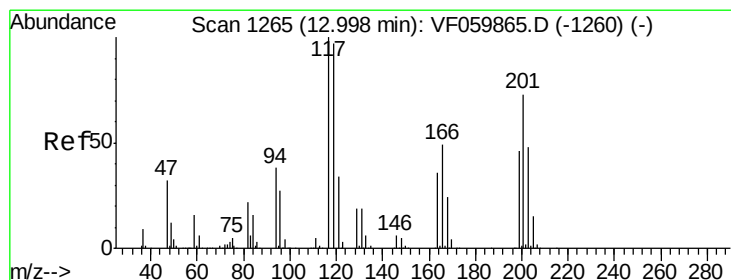
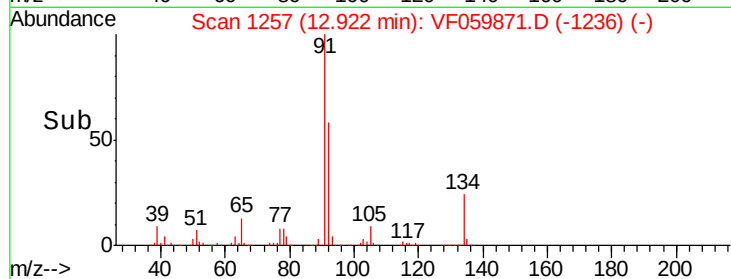
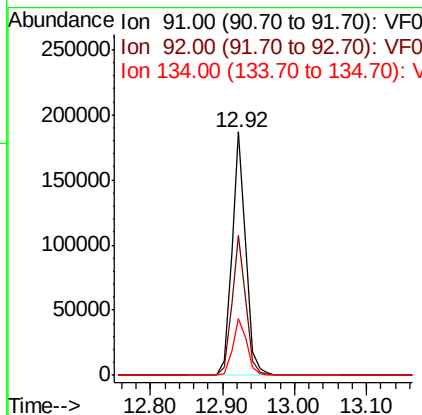
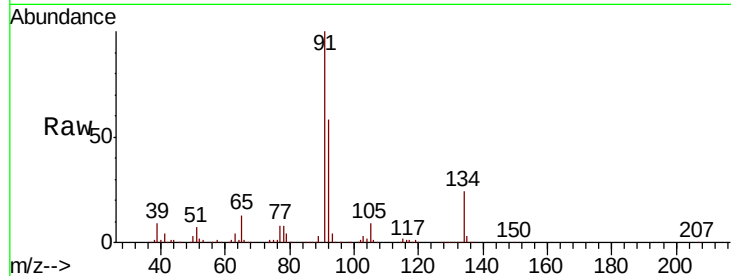
#89
n-Butylbenzene
Concen: 20.90 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	28.8	86.5
134	23.6	12.6	37.6

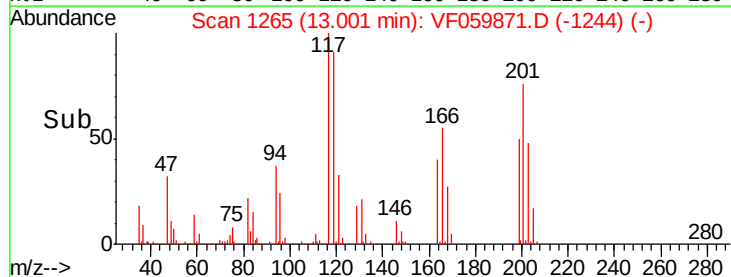
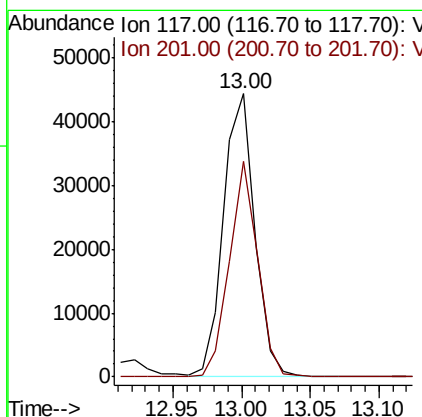
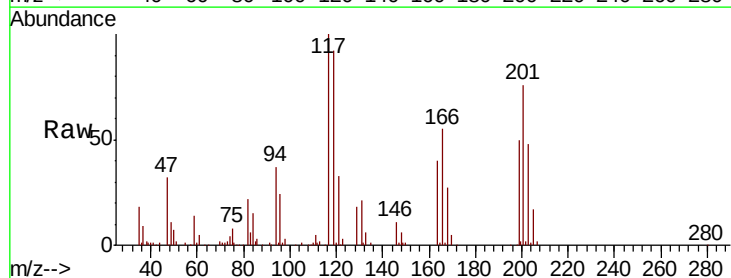
Manual Integrations
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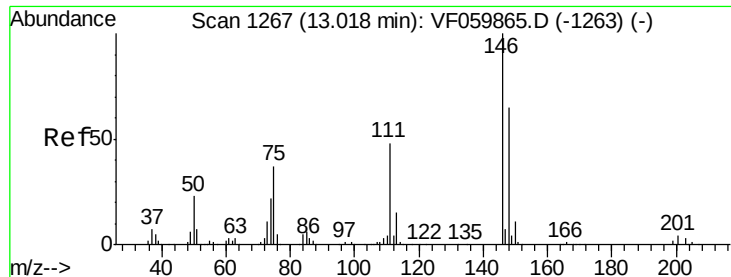
apatel
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#90
Hexachloroethane
Concen: 20.44 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	36.6	109.8





#91

1,2-Dichlorobenzene

Concen: 20.60 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Instrument :

MSVOA_F

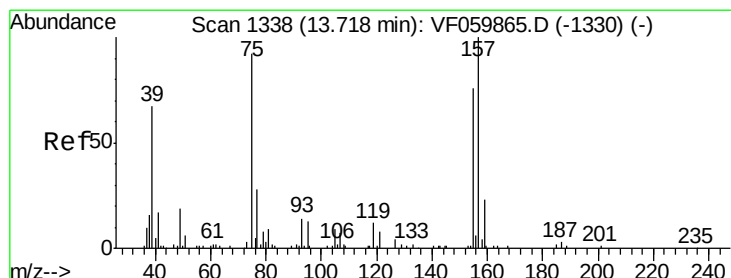
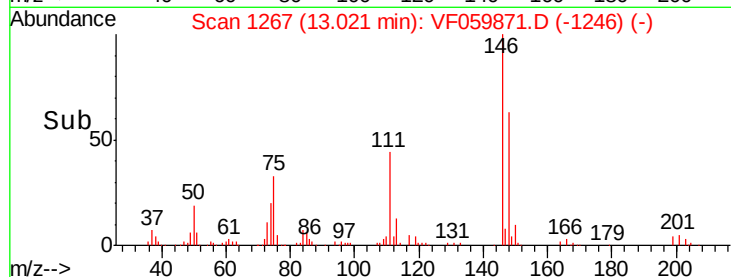
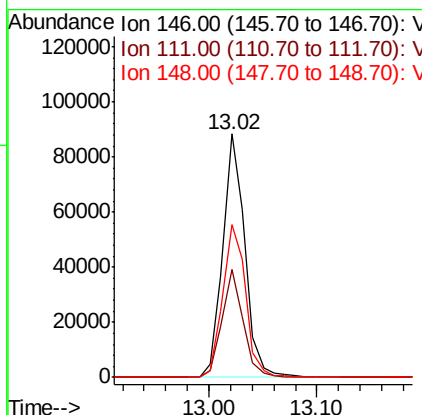
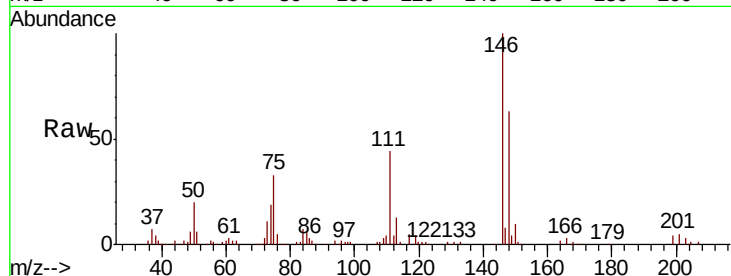
ClientSampleId :

VF0804SBS02

Tot Ion:	146	Resp:	125694
Ion Ratio	Lower	Upper	
146	100		
111	44.1	24.1	72.2
148	62.7	32.8	98.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.59 ug/l

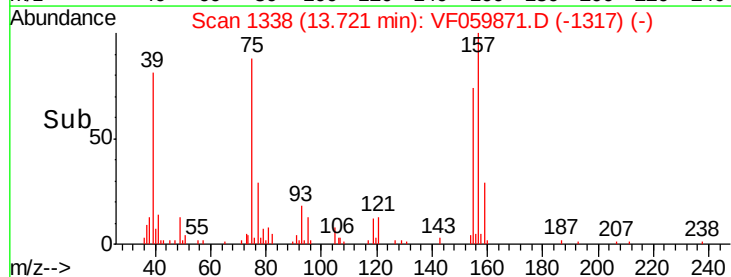
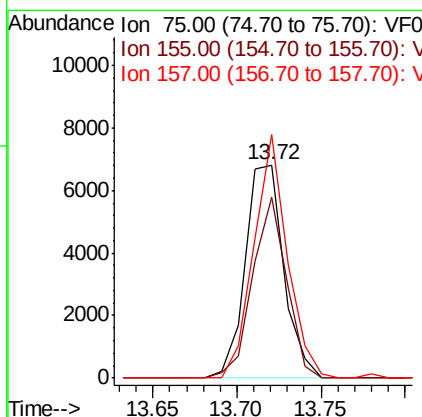
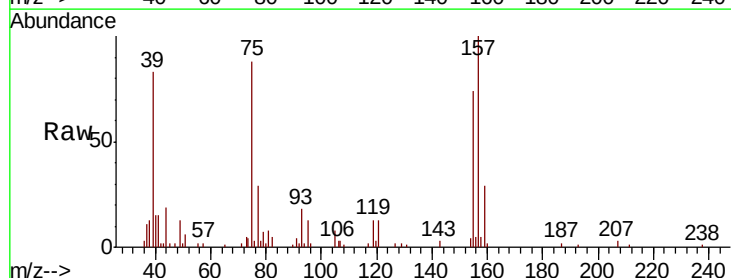
RT: 13.72 min Scan# 1338

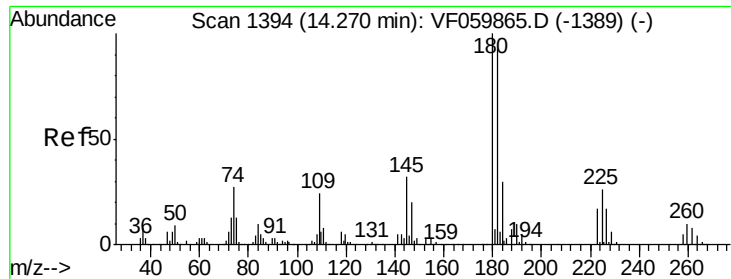
Delta R.T. 0.00 min

Lab File: VF059871.D

Acq: 4 Aug 2018 8:24

Tgt Ion:	75	Resp:	10827
Ion Ratio	Lower	Upper	
75	100		
155	84.9	41.2	123.6
157	114.0	54.5	163.6





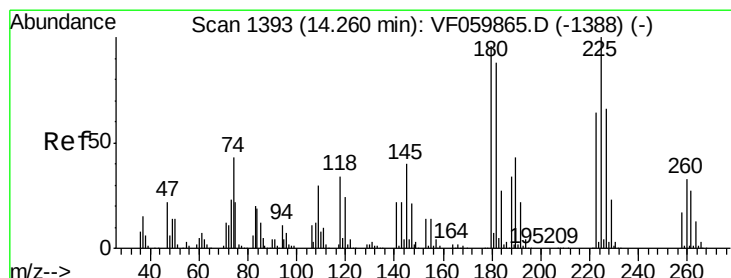
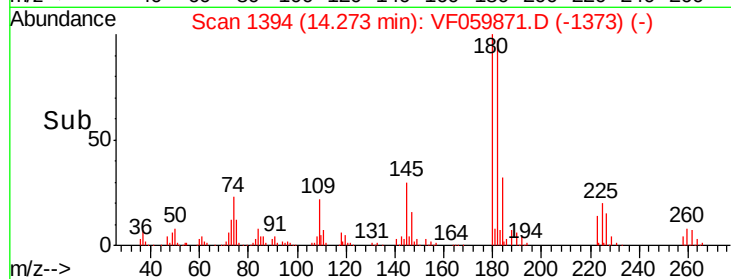
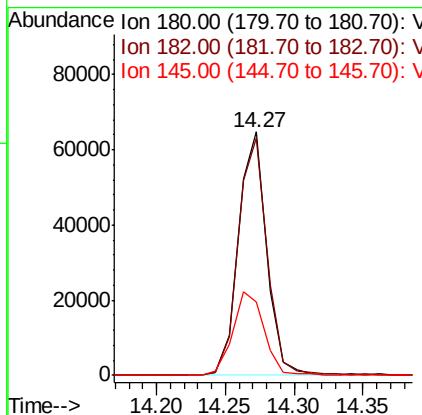
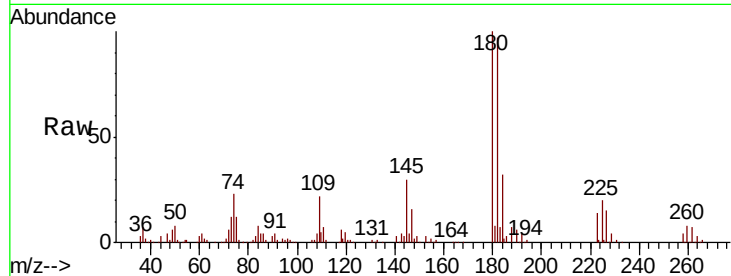
#93
 1,2,4-Trichlorobenzene
 Concen: 19.99 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92599		
182	97.2	46.4	139.2	
145	30.0	15.9	47.7	

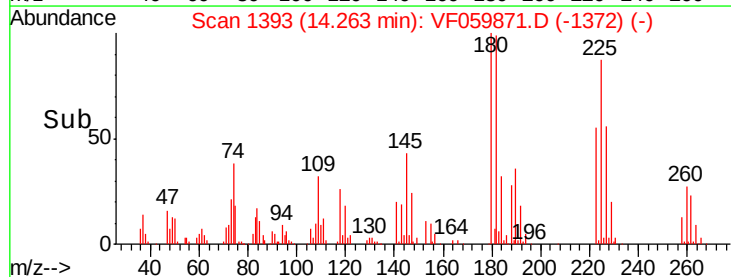
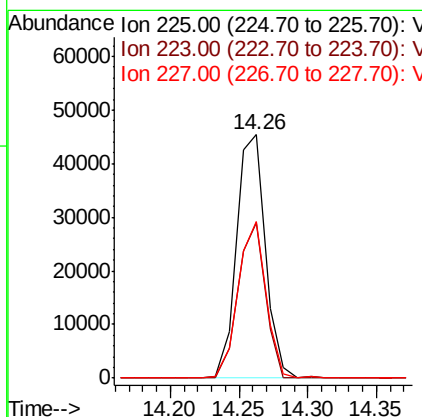
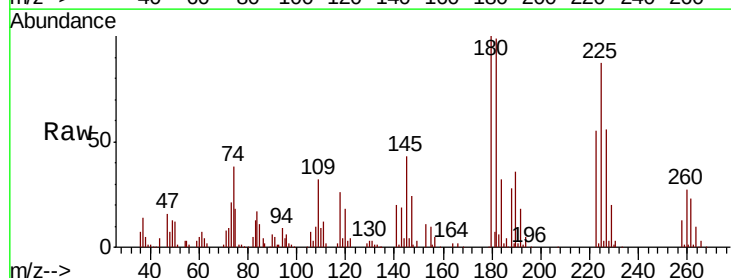
Manual Integrations
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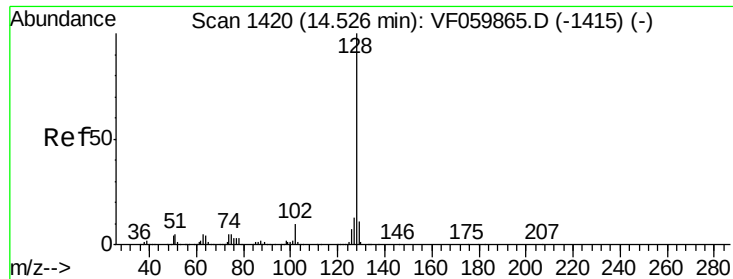
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#94
 Hexachlorobutadiene
 Concen: 20.31 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059871.D
 Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66460		
223	63.5	31.9	95.9	
227	64.5	32.8	98.4	





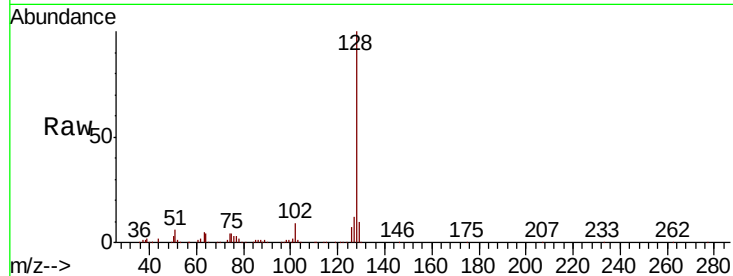
#95
Naphthalene
Concen: 20.05 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	160780		
127	12.2	10.4	15.6	
129	9.5	9.0	13.6	

Manual Integrations
APPROVED

apatel
8/6/2018 10:26:22 AM

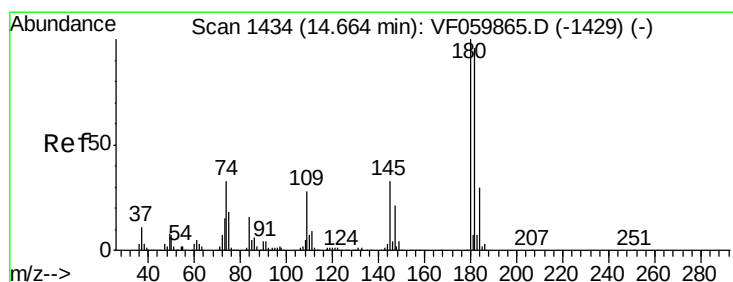
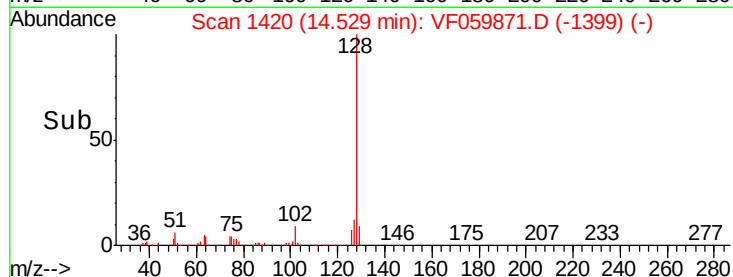
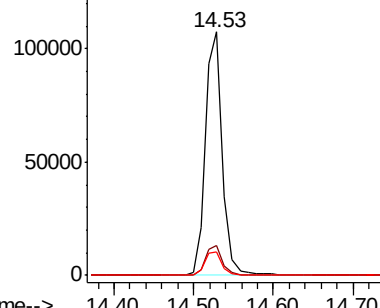


Abundance

Ion 128.00 (127.70 to 128.70): V

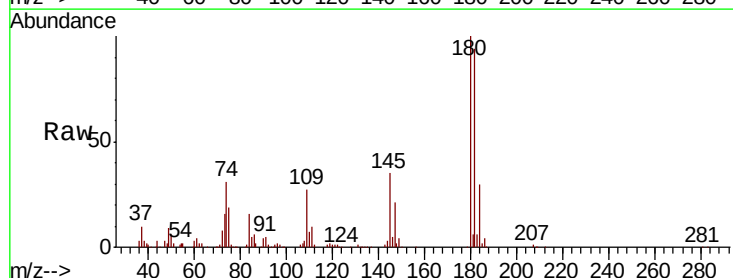
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.83 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059871.D
Acq: 4 Aug 2018 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90702		
182	93.6	48.1	144.3	
145	34.9	16.6	49.8	



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

