

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059872.D
 Acq On : 4 Aug 2018 8:52
 Operator : VA/AP
 Sample : VF0804SBSD02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBSD02

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 02:34:00 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	191328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	285109	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	277371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	187560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	175492	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	4.30	113	140753	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	7.71	98	330100	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
62) 4-Bromofluorobenzene	11.52	95	181460	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	65109	19.92	ug/l	99
3) Chloromethane	1.09	50	35520	23.49	ug/l	99
4) Vinyl Chloride	1.16	62	33871	21.86	ug/l	98
5) Bromomethane	1.33	94	27419	18.75	ug/l	92
6) Chloroethane	1.42	64	19912	20.46	ug/l	98
7) Trichlorofluoromethane	1.53	101	80140m	18.90	ug/l	
8) Diethyl Ether	1.70	74	12930	19.22	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	48231	20.61	ug/l	93
10) Methyl Iodide	1.97	142	73459	20.44	ug/l	98
11) Tert butyl alcohol	2.69	59	12634	90.80	ug/l	95
12) 1,1-Dichloroethene	1.86	96	34722	20.32	ug/l	84
13) Acrolein	2.09	56	5499	65.95	ug/l	93
14) Allyl chloride	2.19	41	57481	20.17	ug/l	98
15) Acrylonitrile	3.07	53	25481	99.94	ug/l #	95
16) Acetone	2.34	43	64389	101.12	ug/l	96
17) Carbon Disulfide	1.89	76	98548m	21.60	ug/l	
18) Methyl Acetate	2.46	43	22939	21.35	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	94365	19.50	ug/l #	90
20) Methylene Chloride	2.28	84	40713	22.38	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	36531	21.52	ug/l	99
22) Diisopropyl ether	2.93	45	112898	20.60	ug/l	93
23) Vinyl Acetate	3.34	43	285252	107.49	ug/l	97
24) 1,1-Dichloroethane	3.00	63	77450	19.40	ug/l	97
25) 2-Butanone	4.52	43	71932	103.89	ug/l	98
26) 2,2-Dichloropropane	3.77	77	50238	21.62	ug/l	89
27) cis-1,2-Dichloroethene	3.64	96	43950	23.02	ug/l	94
28) Bromochloromethane	3.90	49	30981	21.98	ug/l	95
29) Tetrahydrofuran	4.25	42	26858	105.37	ug/l	100
30) Chloroform	4.04	83	112279	20.79	ug/l	93
31) Cyclohexane	3.88	56	40556	20.53	ug/l	90
32) 1,1,1-Trichloroethane	4.28	97	86013	19.91	ug/l	99
36) 1,1-Dichloropropene	4.46	75	64976	19.70	ug/l	96
37) Ethyl Acetate	4.29	43	29723	20.99	ug/l #	79
38) Carbon Tetrachloride	4.17	117	95117	20.15	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	50574	20.45	ug/l #	85
40) Benzene	4.81	78	119109	19.17	ug/l	98
41) Methacrylonitrile	4.93	41	14171	18.96	ug/l	92
42) 1,2-Dichloroethane	5.12	62	84947	18.60	ug/l	100
43) Isopropyl Acetate	7.12	43	29863	20.48	ug/l #	90
44) Trichloroethene	5.67	130	47025	21.41	ug/l	97
45) 1,2-Dichloropropane	6.41	63	31721	20.96	ug/l	98
46) Dibromomethane	6.26	93	30608	20.04	ug/l #	88
47) Bromodichloromethane	6.55	83	79957	19.14	ug/l	94
48) Methyl methacrylate	6.88	41	22586	19.91	ug/l	92
49) 1,4-Dioxane	6.87	88	3020	421.22	ug/l #	79
51) 4-Methyl-2-Pentanone	8.41	43	148166	99.39	ug/l	96
52) Toluene	7.78	92	91034	21.86	ug/l	91
53) t-1,3-Dichloropropene	8.43	75	65593	20.65	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	65581	20.00	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	30236	20.17	ug/l	95
56) Ethyl methacrylate	8.77	69	28663	19.62	ug/l	92
57) 1,3-Dichloropropane	9.00	76	55095	21.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	19761	99.62	ug/l	100
59) 2-Hexanone	9.63	43	106692	101.32	ug/l	100
60) Dibromochloromethane	8.87	129	55821	19.84	ug/l	98
61) 1,2-Dibromoethane	9.14	107	37055	20.28	ug/l	98
64) Tetrachloroethene	8.31	164	51718	21.61	ug/l	95
65) Chlorobenzene	9.94	112	118808	21.10	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	56178	20.06	ug/l	89
67) Ethyl Benzene	10.05	91	212972	21.71	ug/l	97
68) m/p-Xylenes	10.27	106	150747	44.46	ug/l	91
69) o-Xylene	10.84	106	81149	22.59	ug/l	93
70) Styrene	10.91	104	120262	22.44	ug/l	94
71) Bromoform	10.90	173	33935	19.77	ug/l	90
73) Isopropylbenzene	11.23	105	249612	21.37	ug/l	100
74) N-amyl acetate	11.47	43	55531	21.03	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	45407	20.70	ug/l	92
76) 1,2,3-Trichloropropane	11.89	75	38020	20.18	ug/l	100
77) Bromobenzene	11.60	156	65509	20.62	ug/l	93
78) n-propylbenzene	11.69	91	298449	21.63	ug/l	99
79) 2-Chlorotoluene	11.81	91	201123	23.05	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	227084	20.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	15242m	22.53	ug/l	
82) 4-Chlorotoluene	11.99	91	196523	20.74	ug/l	99
83) tert-Butylbenzene	12.22	119	232282	22.00	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	238424	21.37	ug/l	98
85) sec-Butylbenzene	12.39	105	306368	21.84	ug/l	97
86) p-Isopropyltoluene	12.54	119	266763	22.62	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	128903	21.41	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	121418	20.55	ug/l	96
89) n-Butylbenzene	12.92	91	242744	21.60	ug/l	96
90) Hexachloroethane	13.00	117	62437	19.19	ug/l	86
91) 1,2-Dichlorobenzene	13.02	146	124790	21.54	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10332	18.69	ug/l	82

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QLast Update : Sat Aug 04 07:08:36 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	96157	21.86	ug/l	95
94) Hexachlorobutadiene	14.26	225	65337	21.03	ug/l	96
95) Naphthalene	14.52	128	156200	20.51	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	94535	21.77	ug/l	92

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

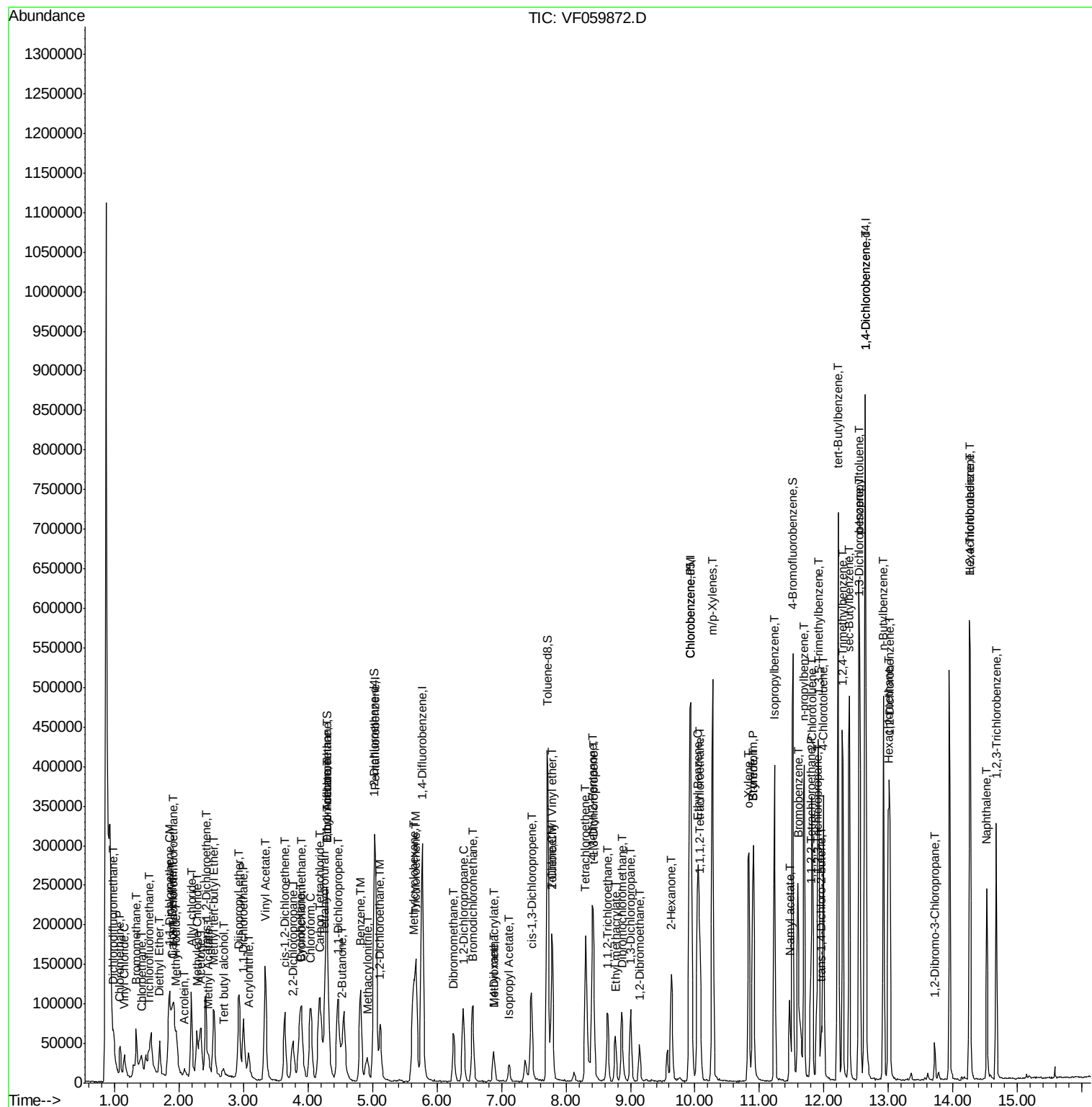
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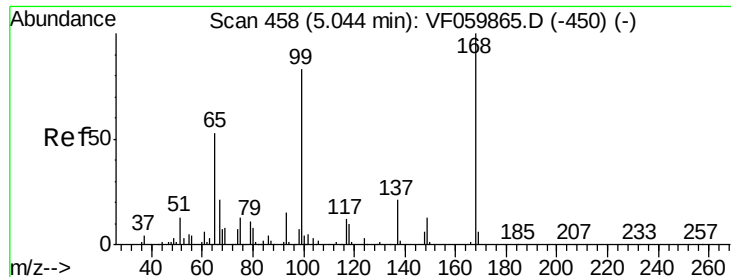
Instrument :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBSD02

Tot Ion:168 Resp: 191328

Ion Ratio Lower Upper

168 100

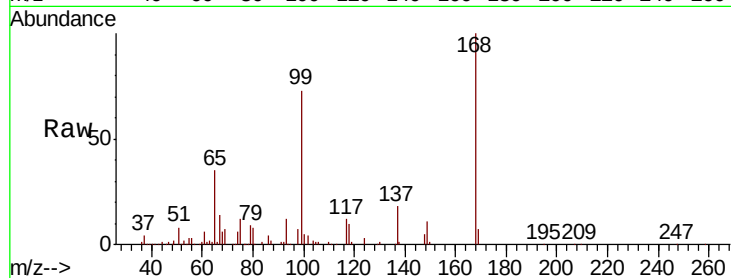
99 73.3 66.3 99.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

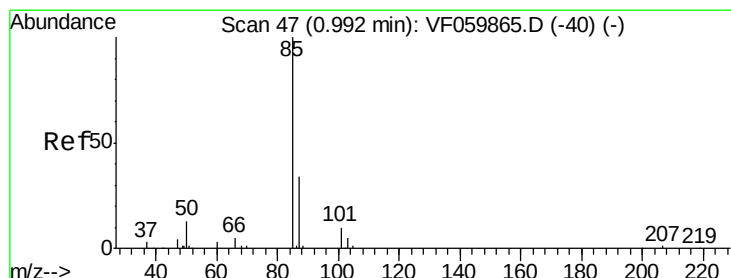
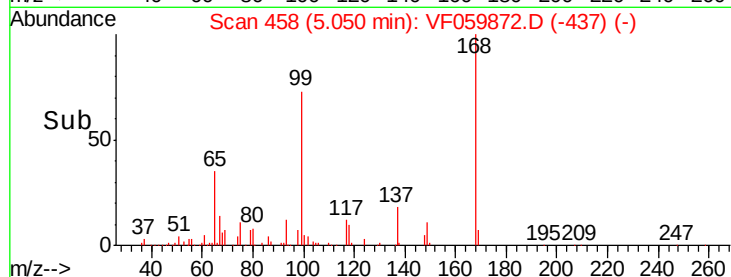
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.92 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059872.D

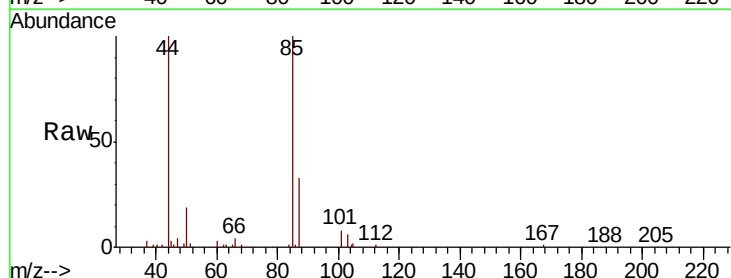
Acq: 4 Aug 2018 8:52

Tgt Ion: 85 Resp: 65109

Ion Ratio Lower Upper

85 100

87 33.2 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

25000

20000

15000

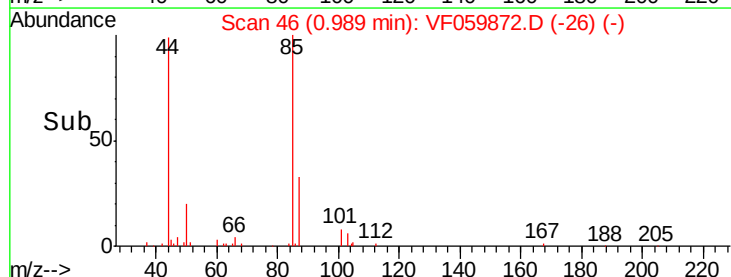
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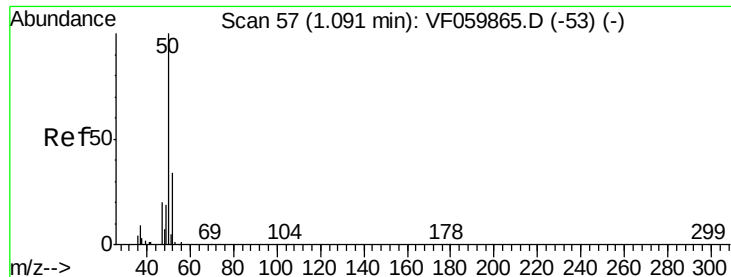
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 23.49 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 50 Resp: 35520

Ion Ratio Lower Upper

50 100

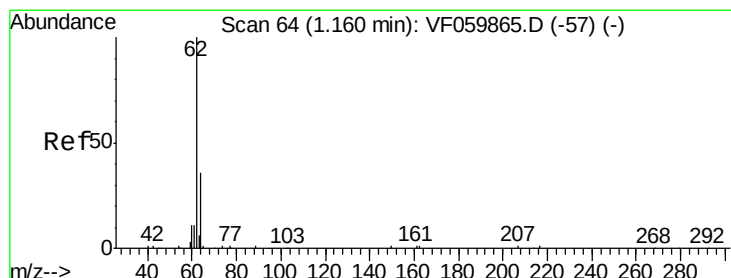
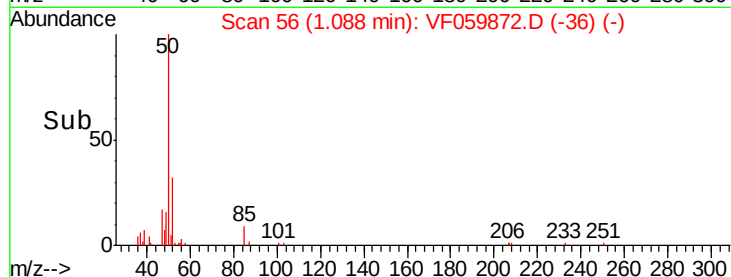
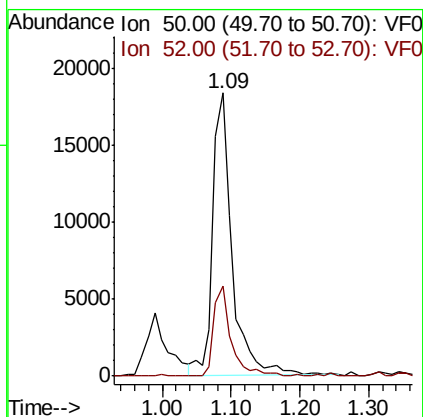
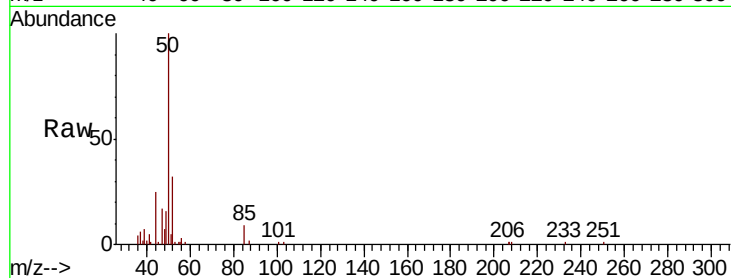
52 31.8 25.8 38.8

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#4

Vinyl Chloride

Concen: 21.86 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059872.D

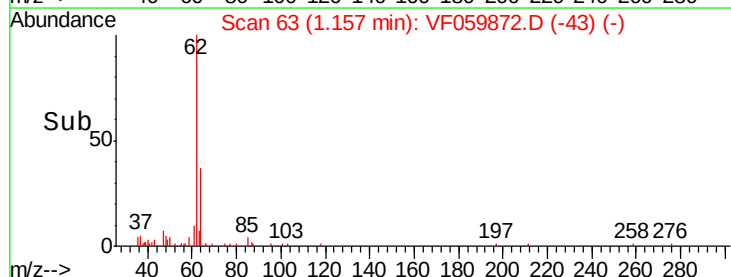
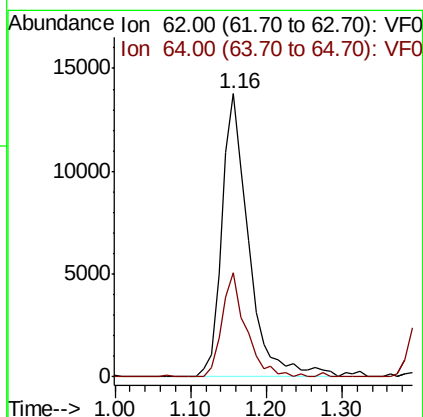
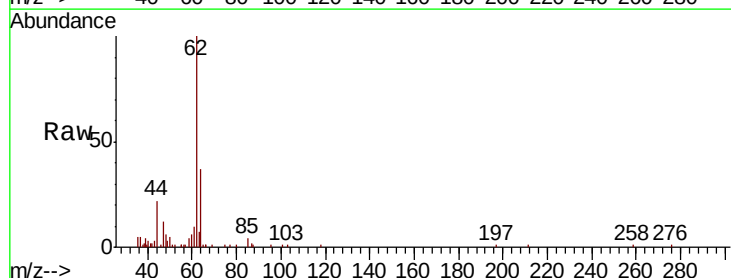
Acq: 4 Aug 2018 8:52

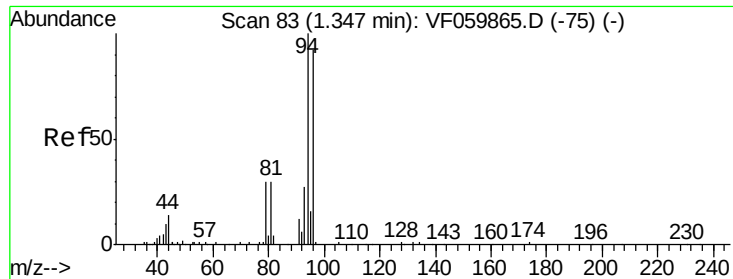
Tgt Ion: 62 Resp: 33871

Ion Ratio Lower Upper

62 100

64 36.9 28.5 42.7





#5

Bromomethane

Concen: 18.75 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 94 Resp: 27419

Ion Ratio Lower Upper

94 100

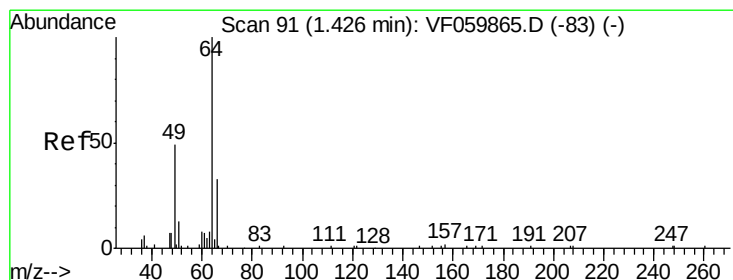
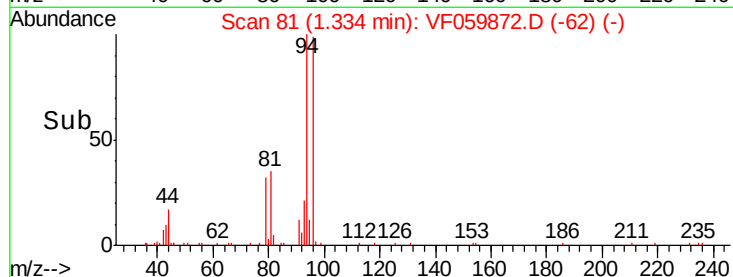
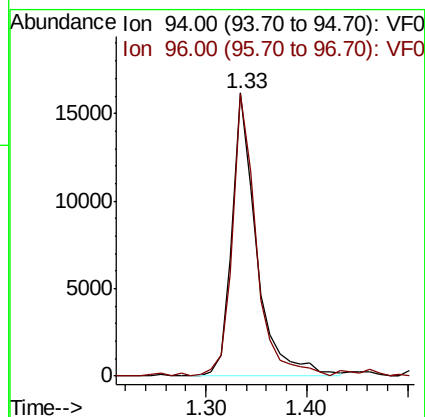
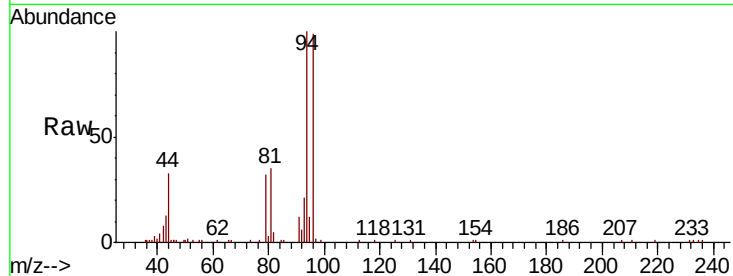
96 99.5 73.8 110.8

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#6

Chloroethane

Concen: 20.46 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059872.D

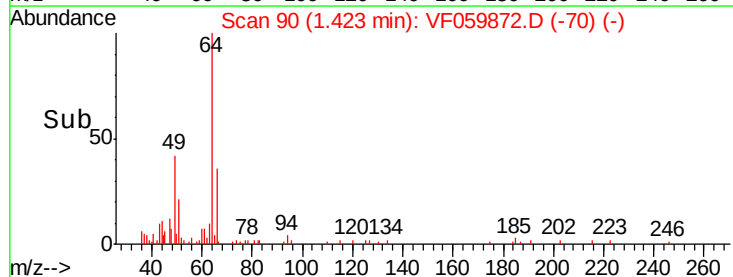
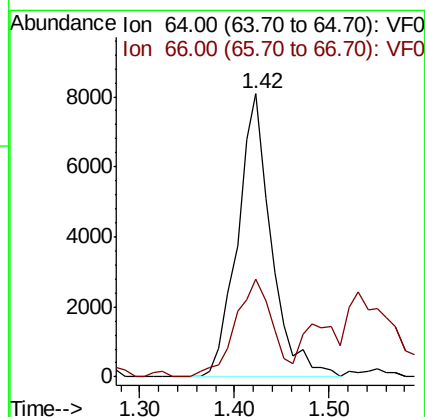
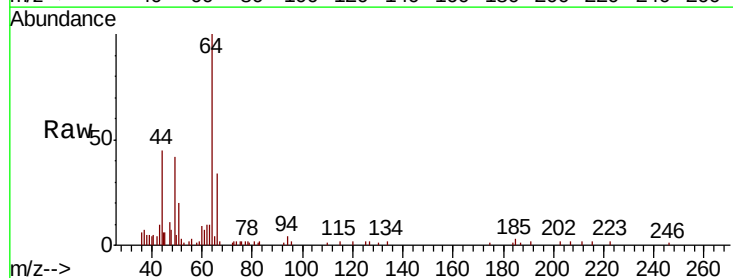
Acq: 4 Aug 2018 8:52

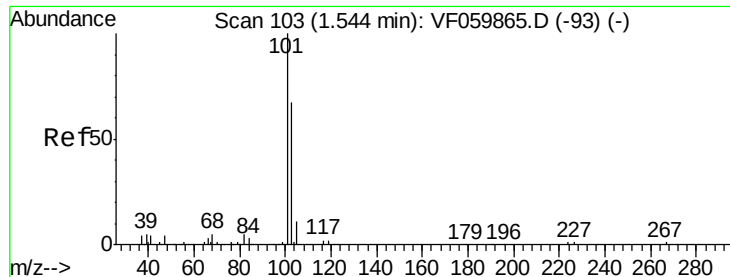
Tgt Ion: 64 Resp: 19912

Ion Ratio Lower Upper

64 100

66 34.5 26.9 40.3





#7

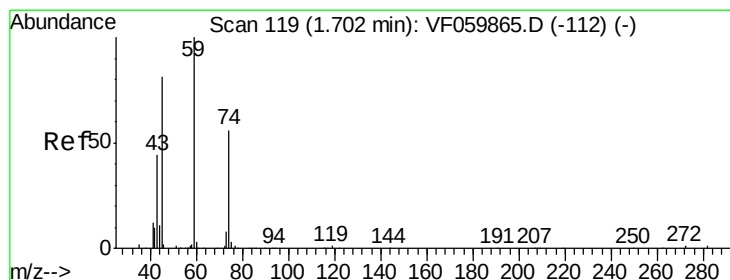
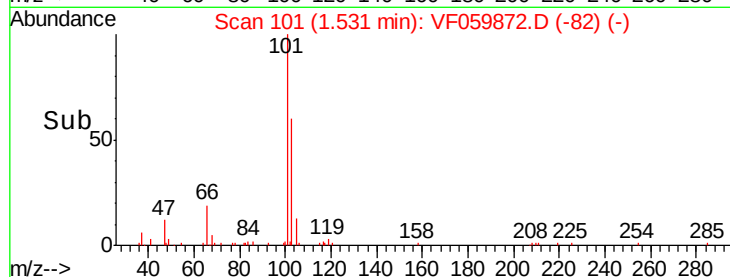
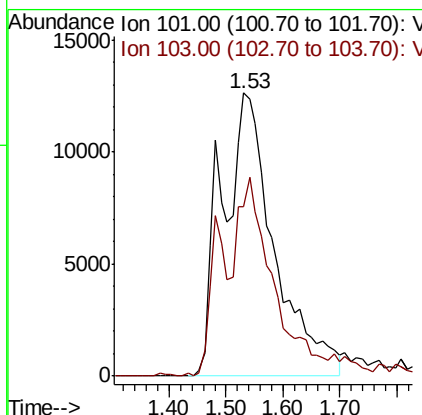
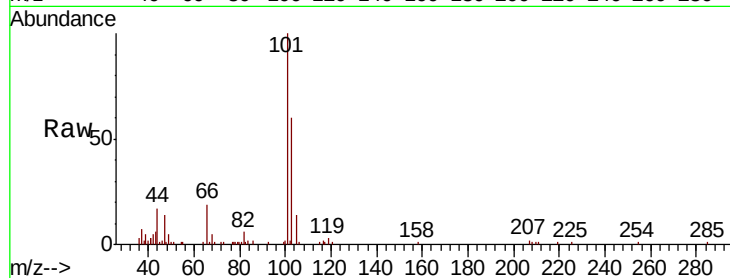
Trichlorofluoromethane
 Concen: 18.90 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Instrument :
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 ClientSampleId :
 VF0804SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	80140		
103	103	59.7		53.6	80.4

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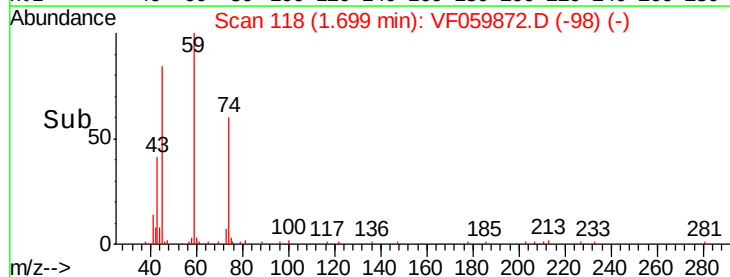
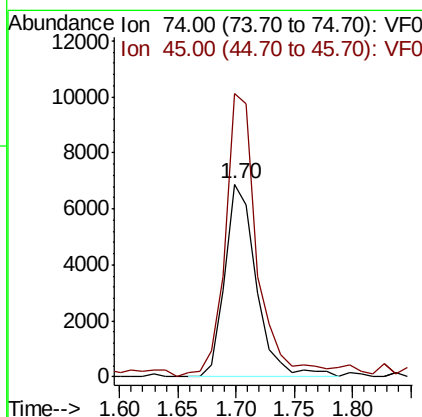
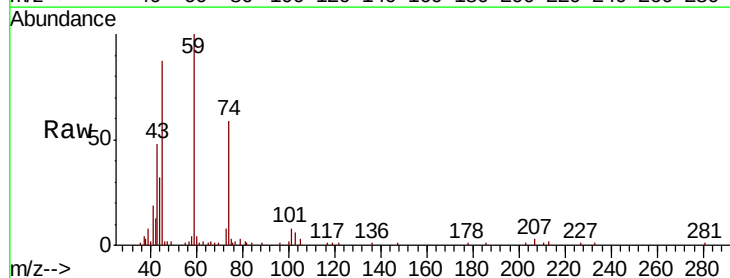
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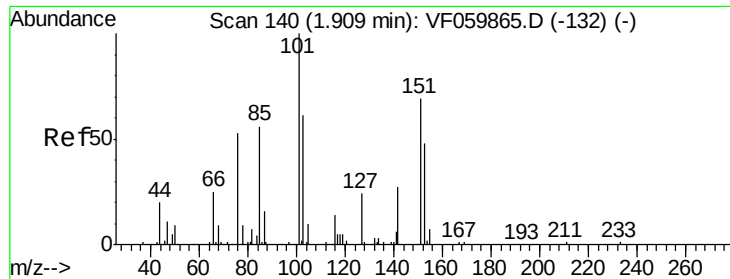


#8

Diethyl Ether
 Concen: 19.22 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	12930		
45	45	146.6		73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.61 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059872.D

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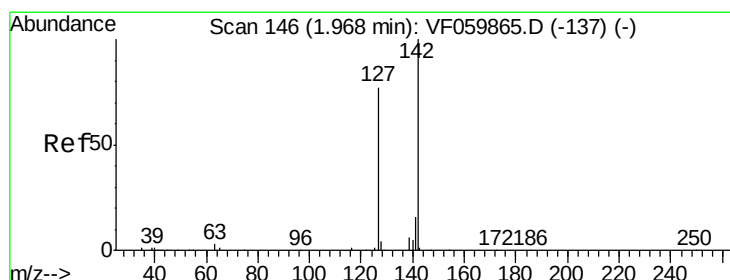
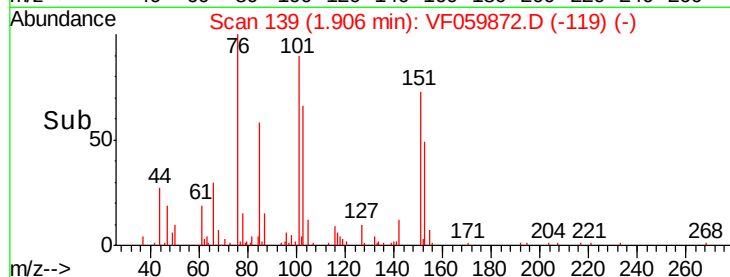
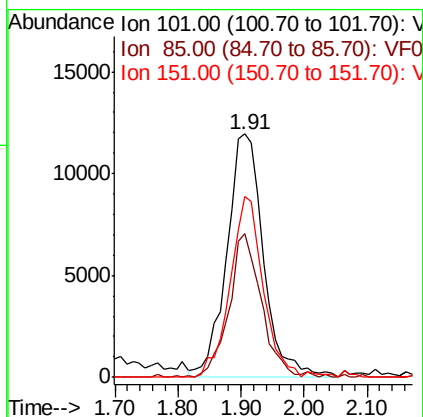
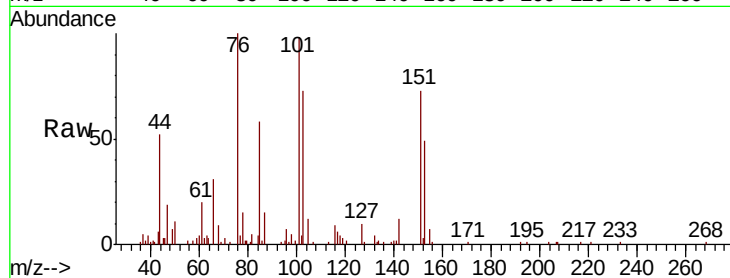
ClientSampleId :

VF0804SBS02

Tot Ion:	101	Resp:	48231
Ion Ratio	Lower	Upper	
101	100		
85	59.1	44.5	66.7
151	74.4	53.8	80.8

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#10

Methyl Iodide

Concen: 20.44 ug/l

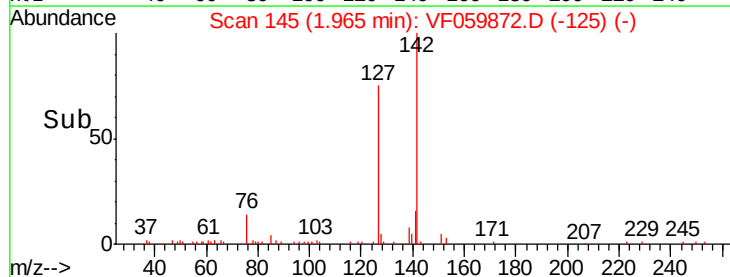
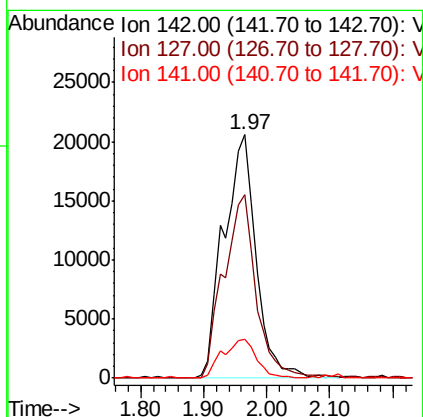
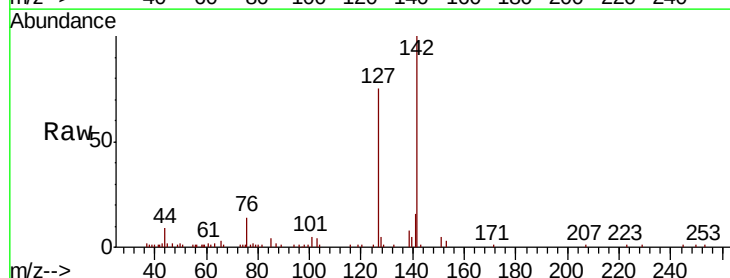
RT: 1.97 min Scan# 145

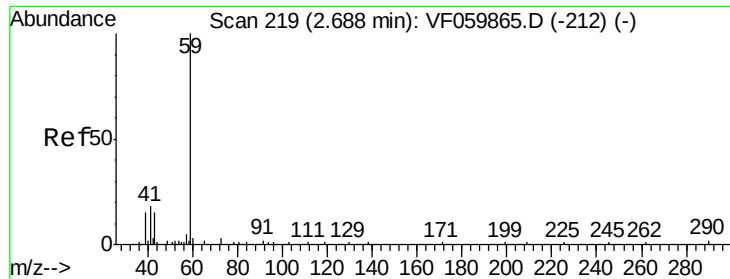
Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion:	142	Resp:	73459
Ion Ratio	Lower	Upper	
142	100		
127	75.3	61.5	92.3
141	16.0	13.0	19.4





#11

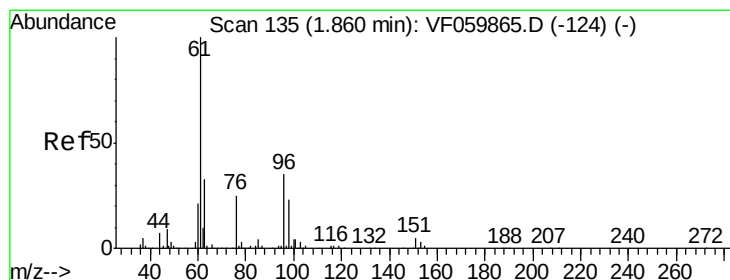
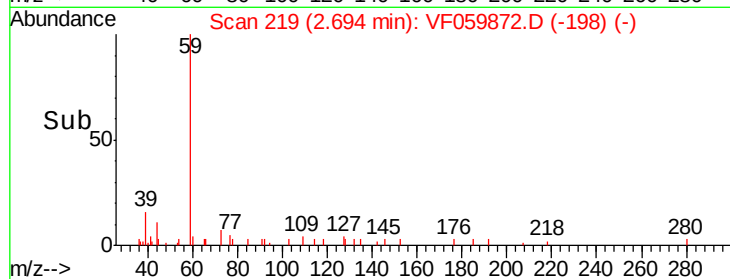
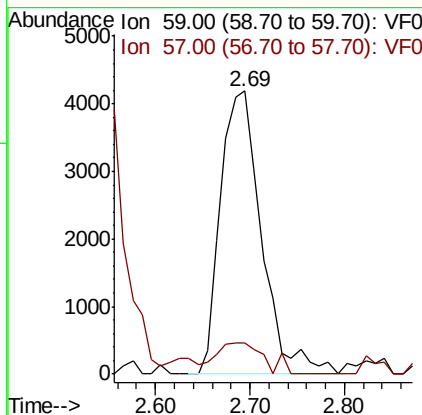
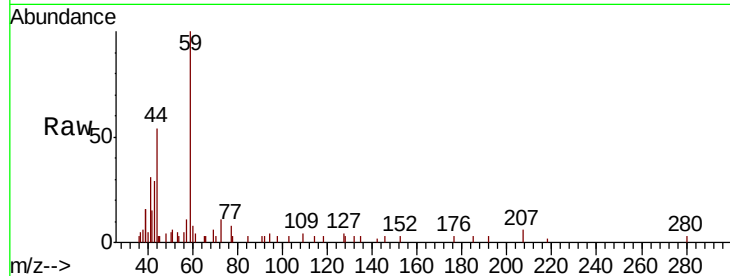
Tert butyl alcohol
 Concen: 90.80 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	7.6	11.4

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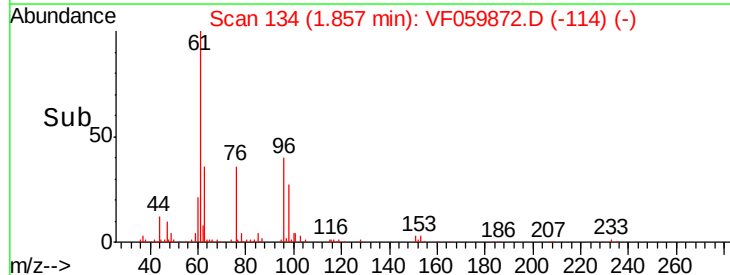
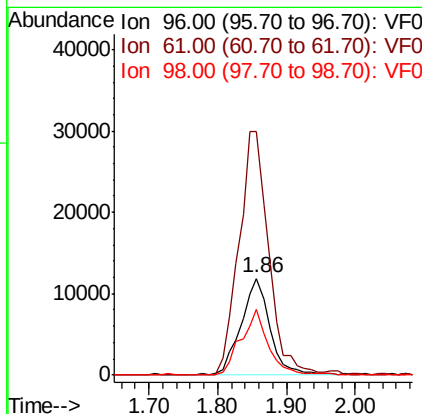
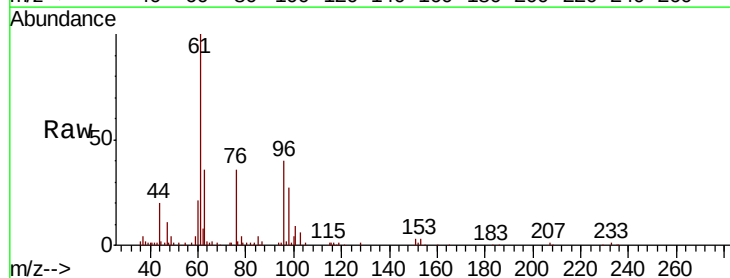
apatel
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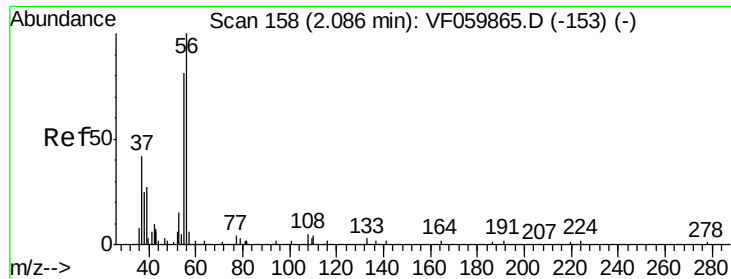


#12

1,1-Dichloroethene
 Concen: 20.32 ug/l
 RT: 1.86 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	251.4	230.2	345.2
98	68.1	52.7	79.1





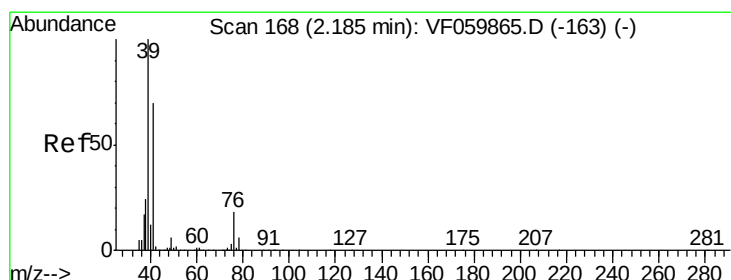
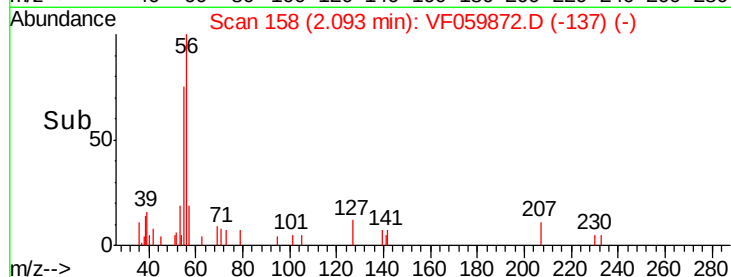
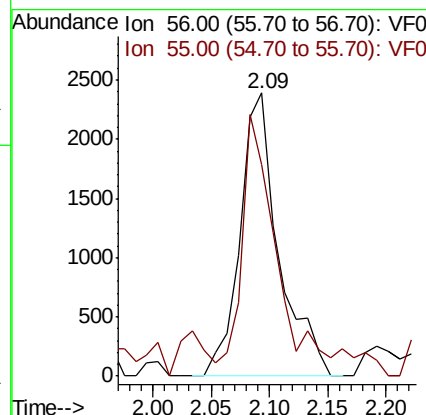
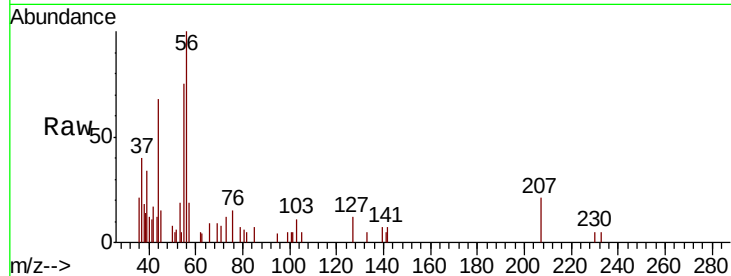
#13
Acrolein
Concen: 65.95 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.6	64.6	96.8

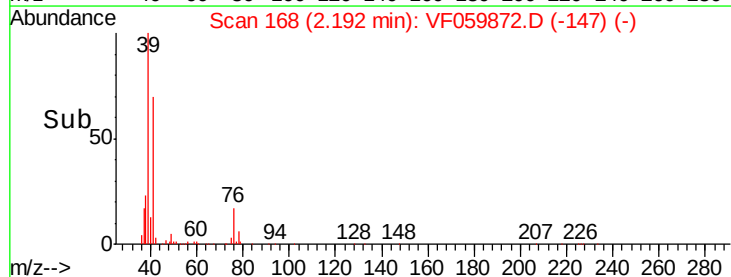
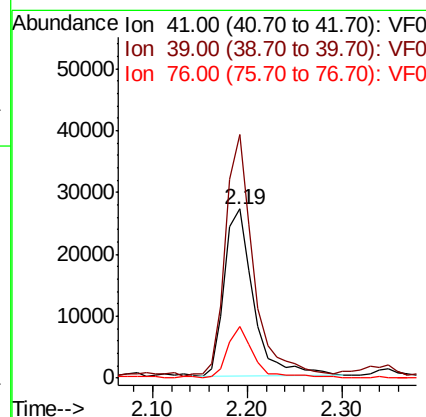
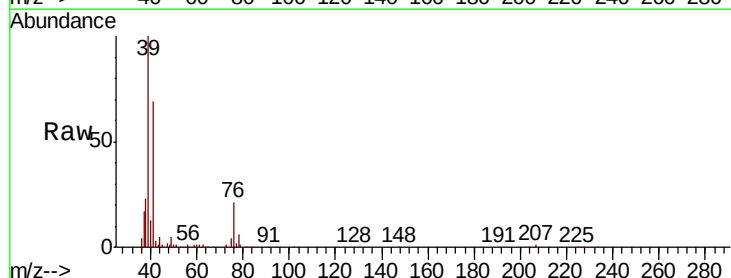
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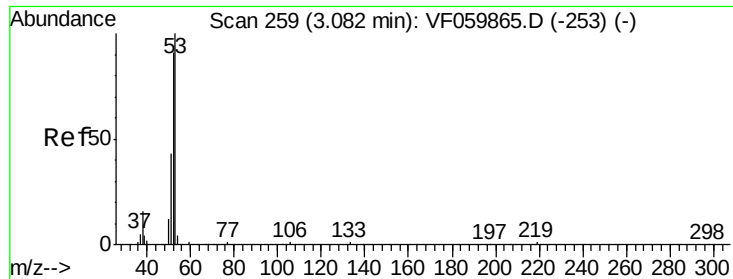
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#14
Allyl chloride
Concen: 20.17 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	144.2	114.6	171.8
76	30.9	21.0	31.4





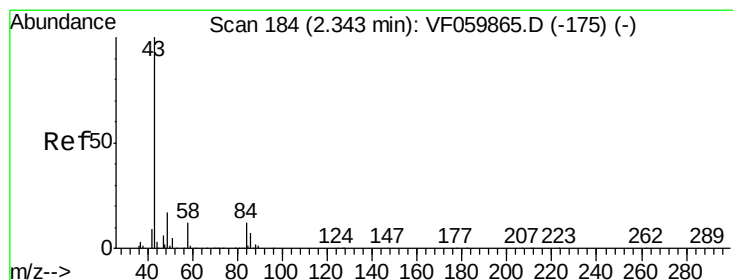
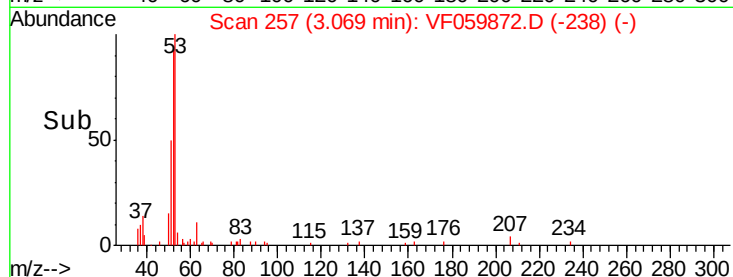
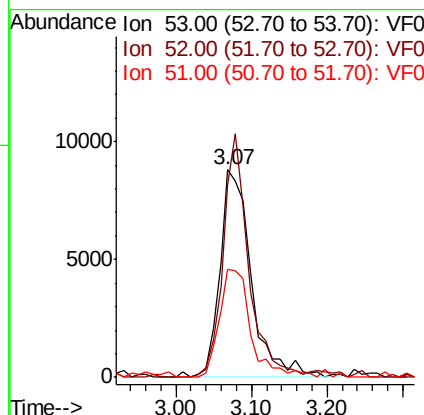
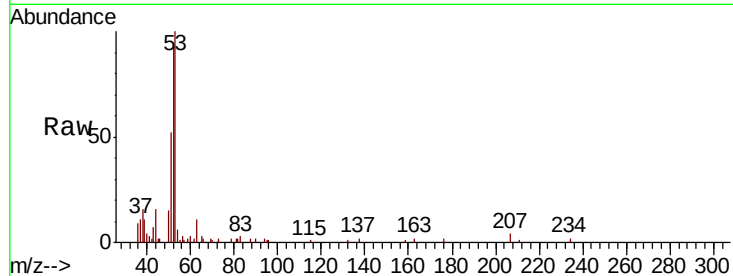
#15
 Acrylonitrile
 Concen: 99.94 ug/l
 RT: 3.07 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion:	53	Resp:	25481
Ion Ratio	Lower	Upper	
53	100		
52	92.6	72.9	109.3
51	51.7	34.5	51.7#

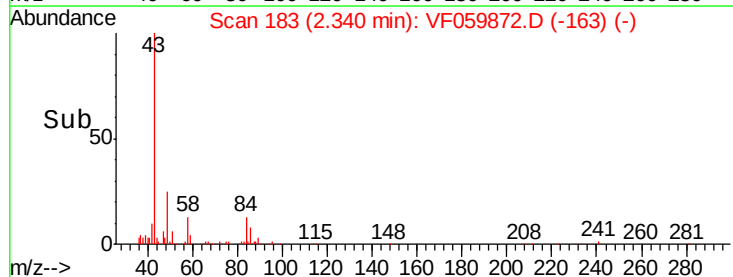
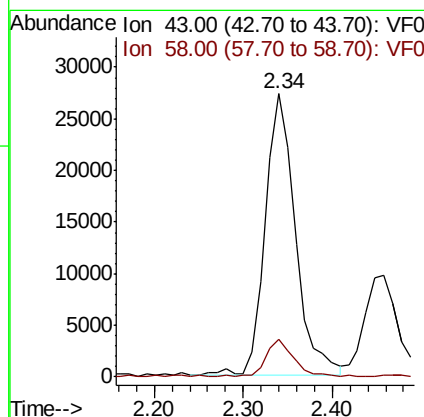
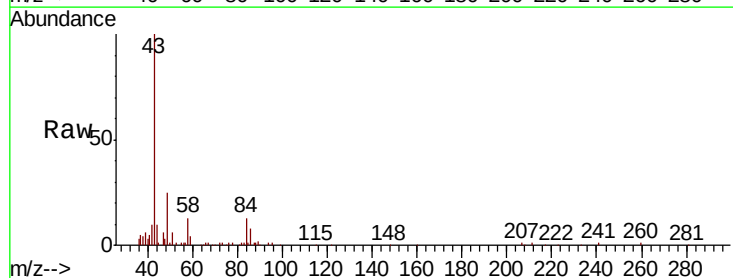
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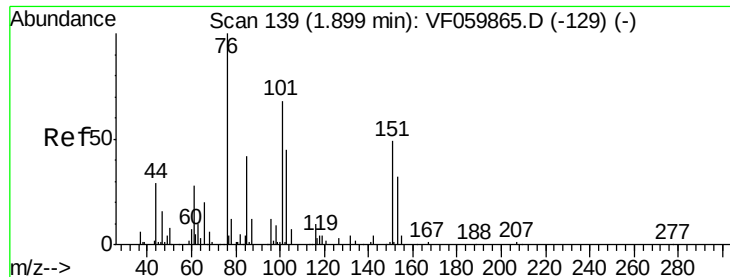
apatel
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#16
 Acetone
 Concen: 101.12 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Tgt Ion:	43	Resp:	64389
Ion Ratio	Lower	Upper	
43	100		
58	13.2	9.4	14.0





#17

Carbon Disulfide

Concen: 21.60 ug/l m

RT: 1.89 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBSD02

Tot Ion: 76 Resp: 98548

Ion Ratio Lower Upper

76 100

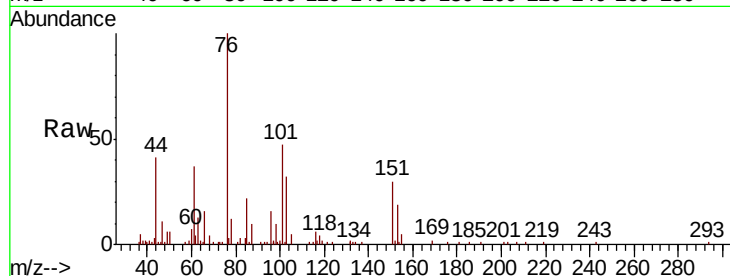
78 11.8 9.3 13.9

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

20000

15000

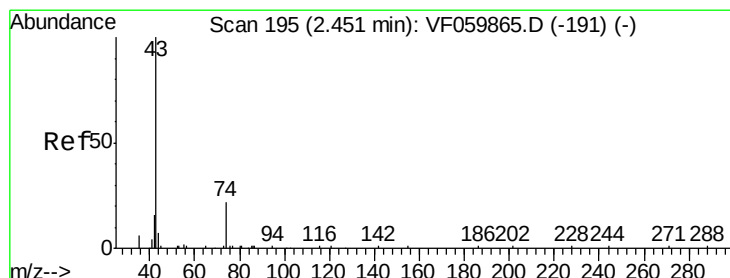
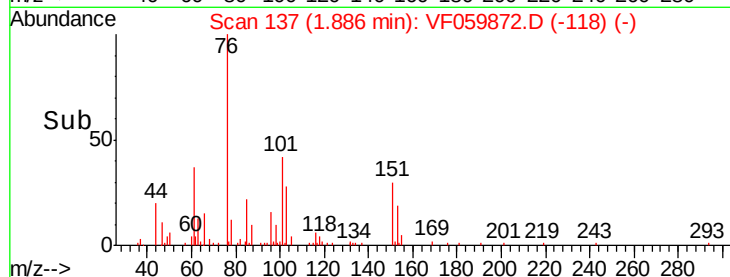
10000

5000

0

1.70 1.80 1.90 2.00 2.10

Time-->



#18

Methyl Acetate

Concen: 21.35 ug/l

RT: 2.46 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059872.D

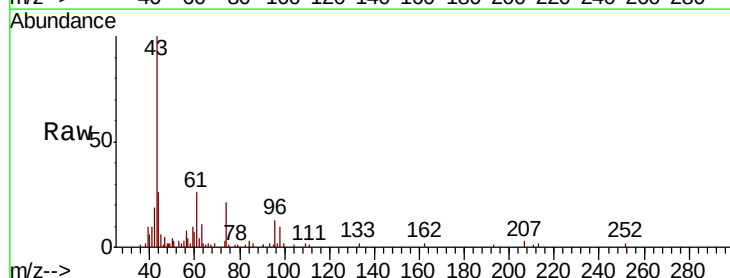
Acq: 4 Aug 2018 8:52

Tgt Ion: 43 Resp: 22939

Ion Ratio Lower Upper

43 100

74 20.9 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

15000

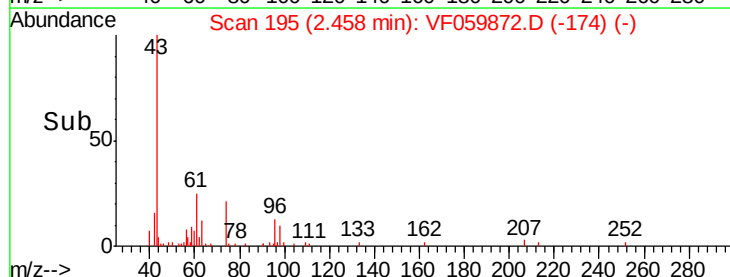
10000

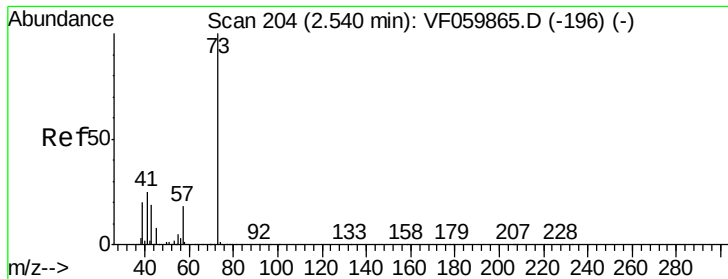
5000

0

2.40 2.45 2.50

Time-->





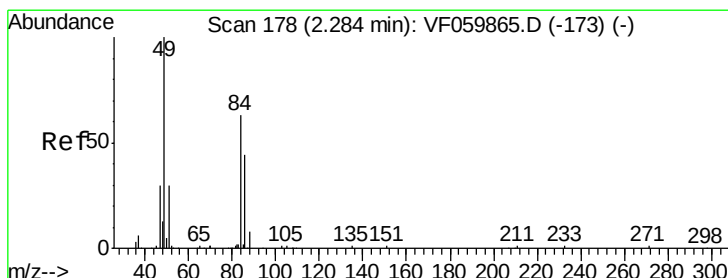
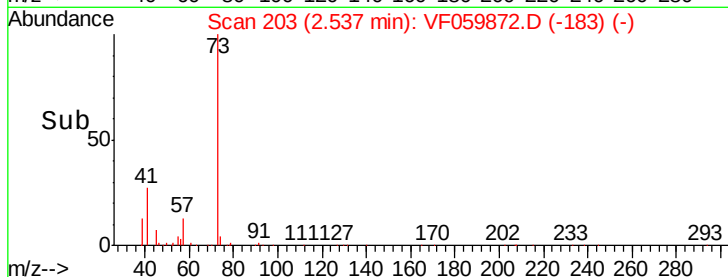
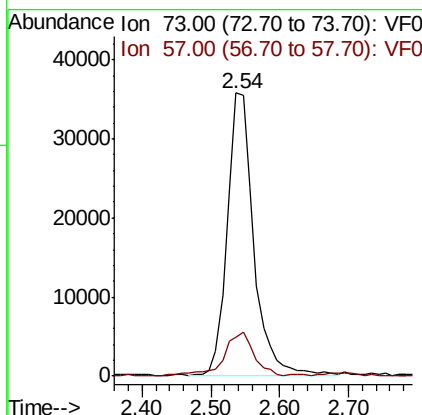
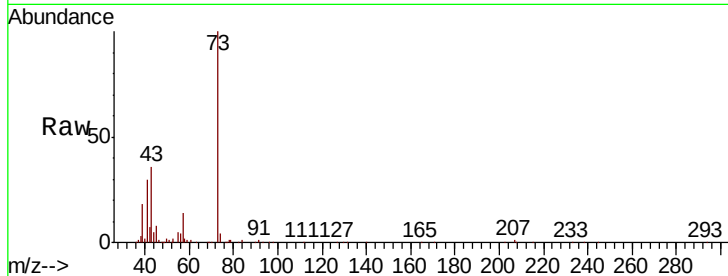
#19
Methyl tert-butyl Ether
Concen: 19.50 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	13.6	14.3	21.5#

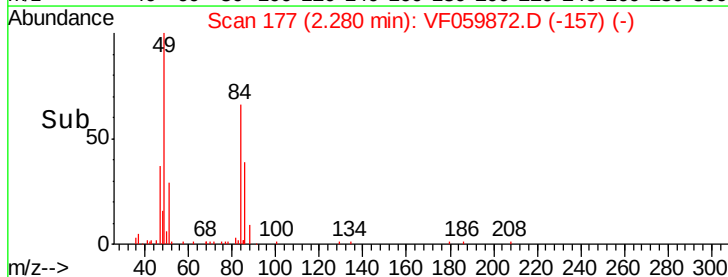
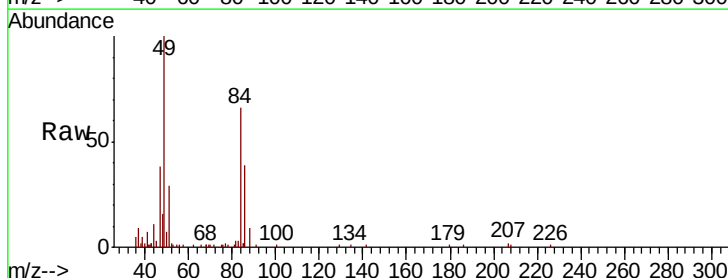
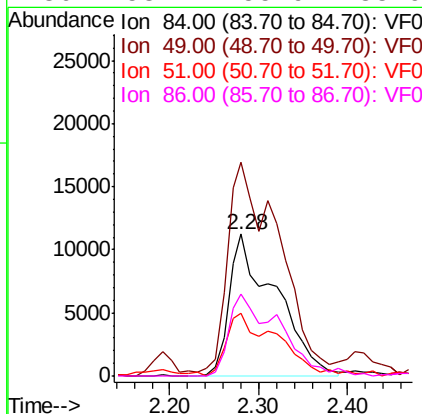
Manual Integrations
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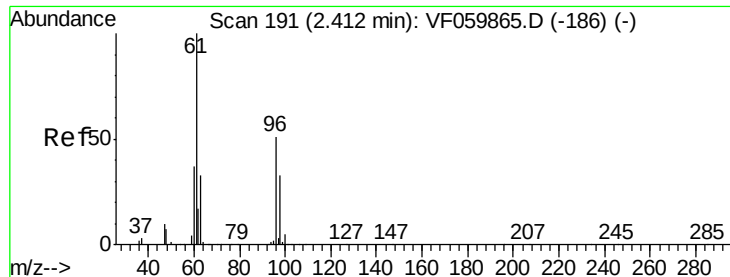
apatel
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#20
Methylene Chloride
Concen: 22.38 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.9	128.7	193.1
51	44.5	39.3	58.9
86	58.2	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 21.52 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

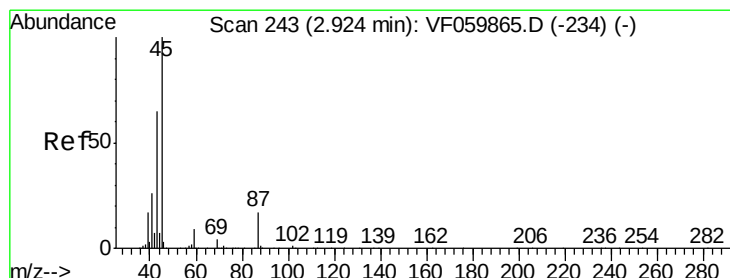
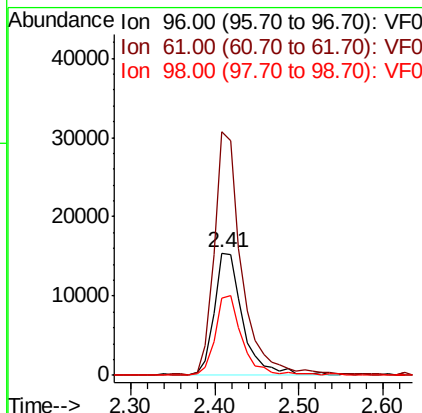
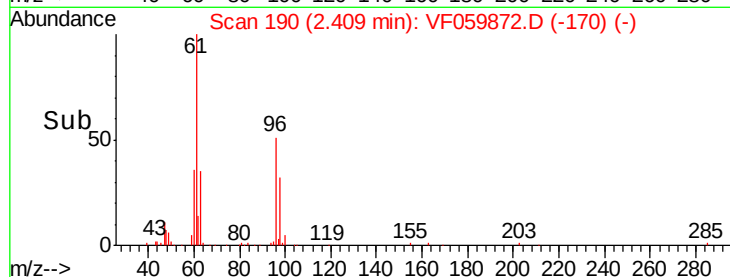
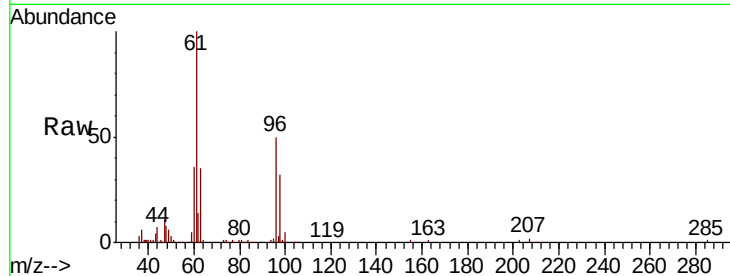
ClientSampleId :

VF0804SBS02

Tot Ion:	96	Resp:	36531
Ion	Ratio	Lower	Upper
96	100		
61	198.9	158.2	237.4
98	63.6	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.60 ug/l

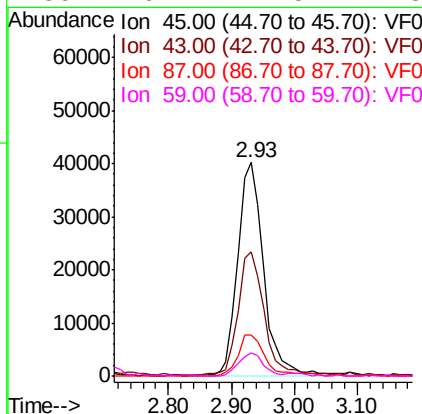
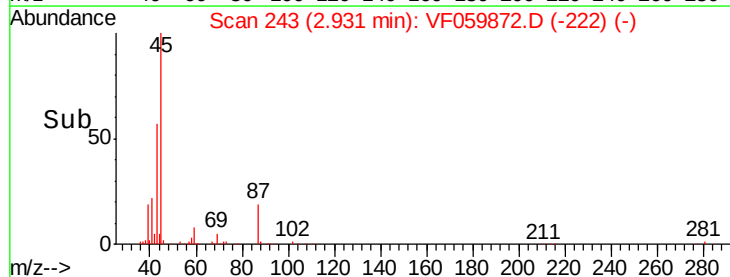
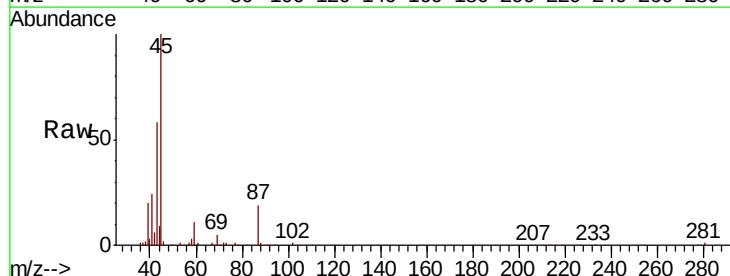
RT: 2.93 min Scan# 243

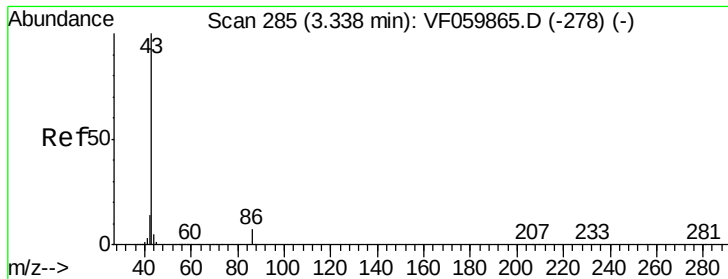
Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion:	45	Resp:	112898
Ion	Ratio	Lower	Upper
45	100		
43	58.2	52.1	78.1
87	18.9	13.8	20.8
59	10.7	7.5	11.3





#23

Vinyl Acetate

Concen: 107.49 ug/l

RT: 3.34 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBSD02

Tot Ion: 43 Resp: 285252

Ion Ratio Lower Upper

43 100

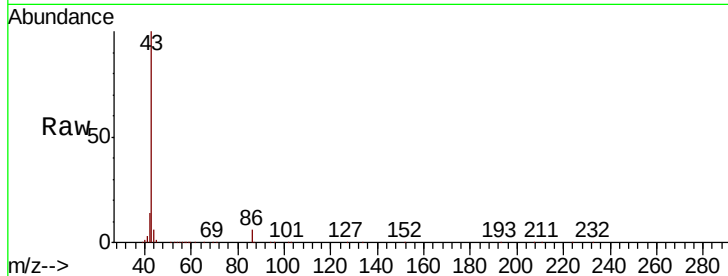
86 5.8 5.6 8.4

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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

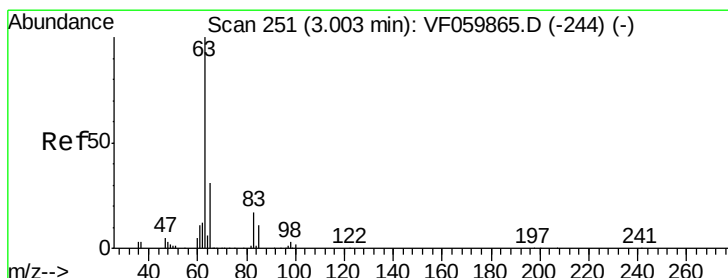
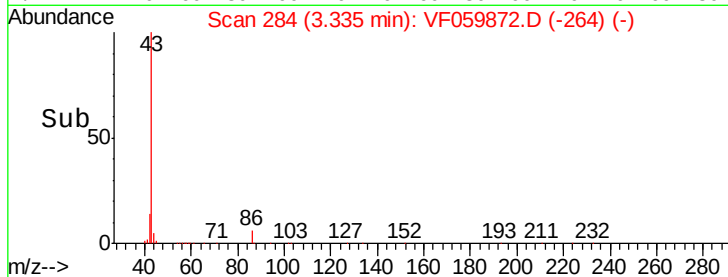
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.40 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

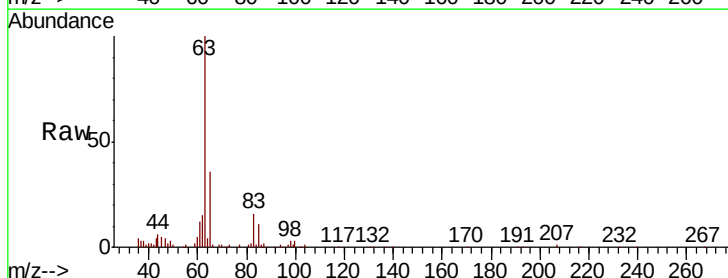
Tgt Ion: 63 Resp: 77450

Ion Ratio Lower Upper

63 100

98 2.8 1.9 5.7

100 3.1 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

3.00

40000

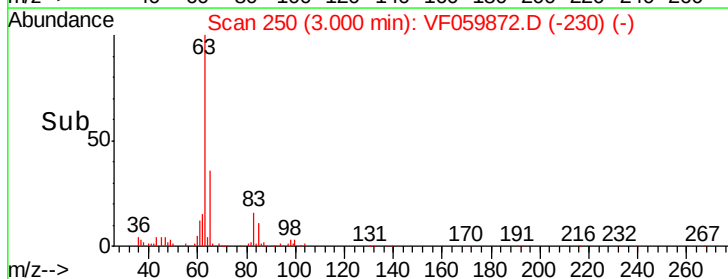
30000

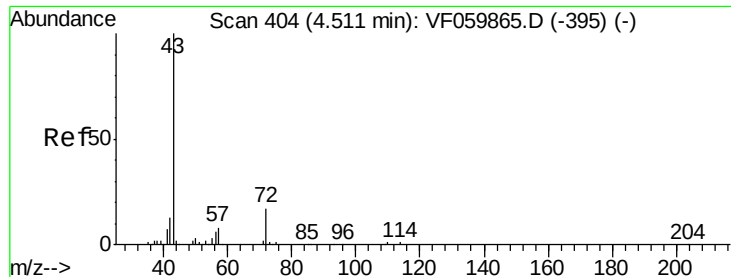
20000

10000

0

Time-->





#25

2-Butanone

Concen: 103.89 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 43 Resp: 71932

Ion Ratio Lower Upper

43 100

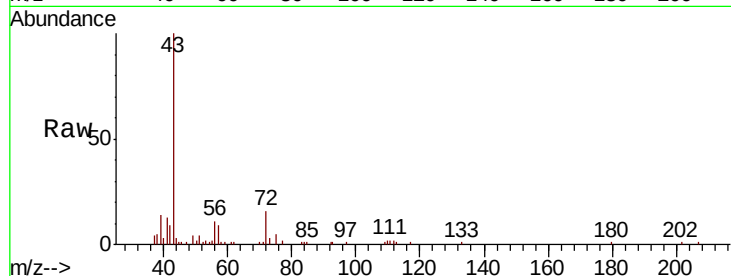
72 16.5 13.9 20.9

Manual Integrations

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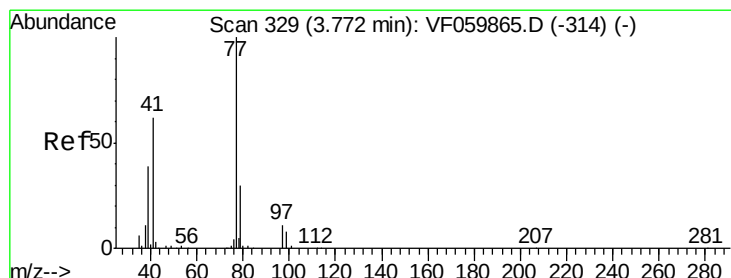
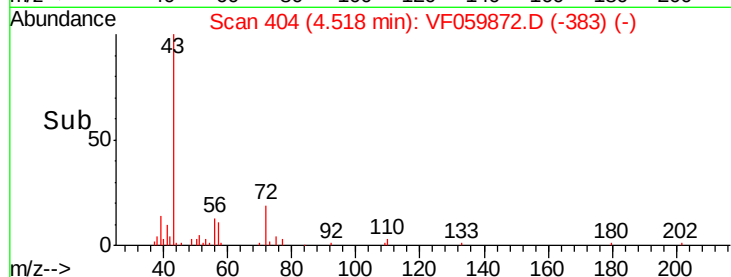
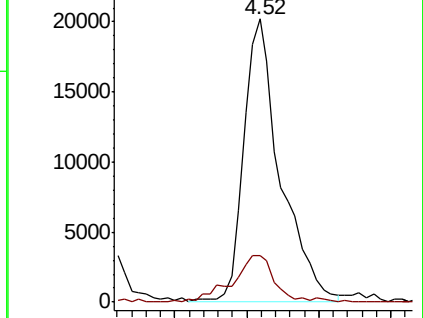
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.62 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF059872.D

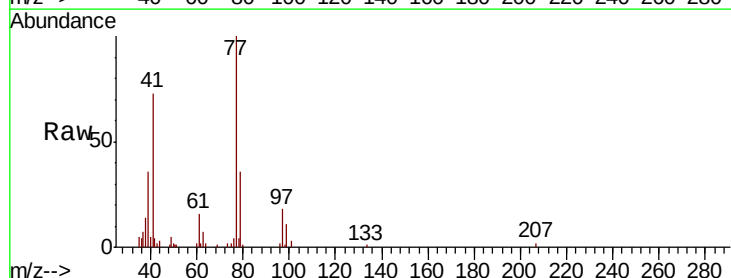
Acq: 4 Aug 2018 8:52

Tgt Ion: 77 Resp: 50238

Ion Ratio Lower Upper

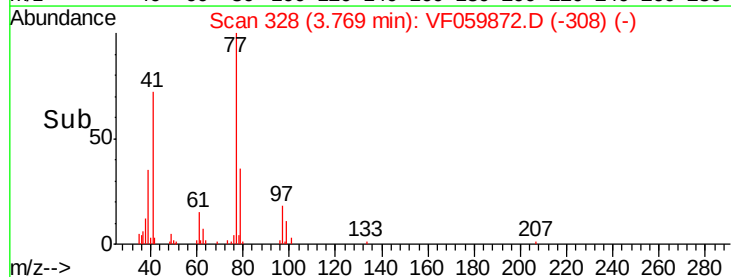
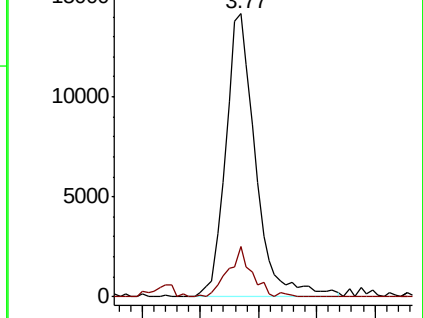
77 100

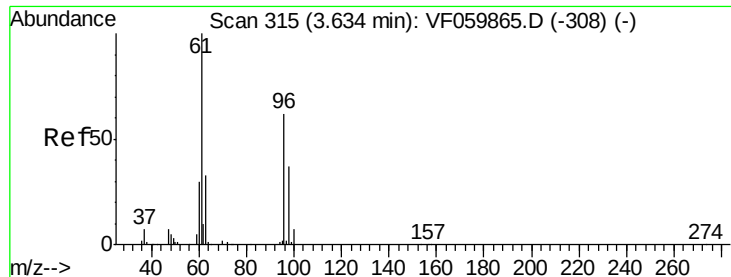
97 17.9 6.8 20.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

cis-1,2-Dichloroethene

Concen: 23.02 ug/l

RT: 3.64 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

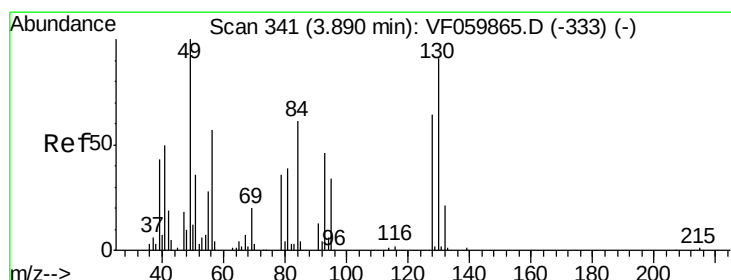
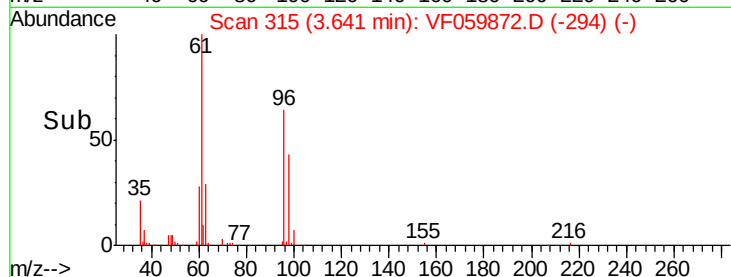
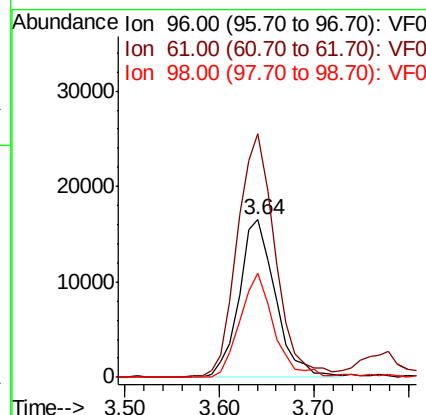
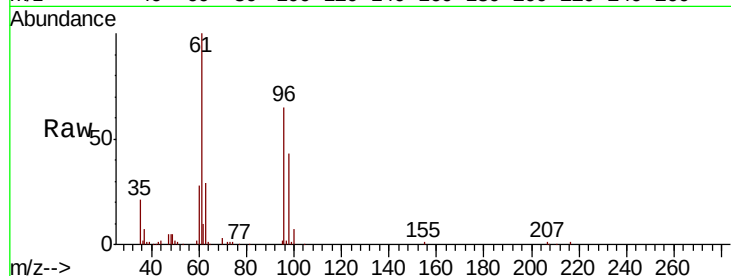
ClientSampleId :

VF0804SBS02

Tot Ion:	96	Resp:	43950
Ion Ratio	Lower	Upper	
96	100		
61	154.4	0.0	320.8
98	65.9	0.0	117.6

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#28

Bromochloromethane

Concen: 21.98 ug/l

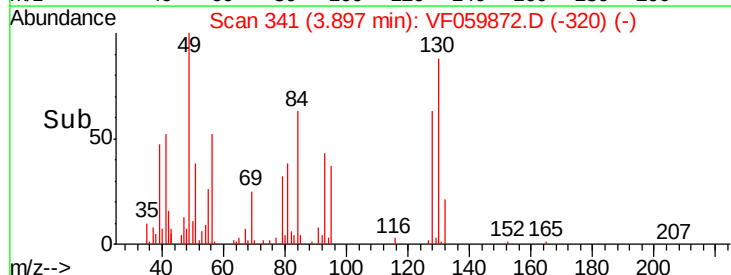
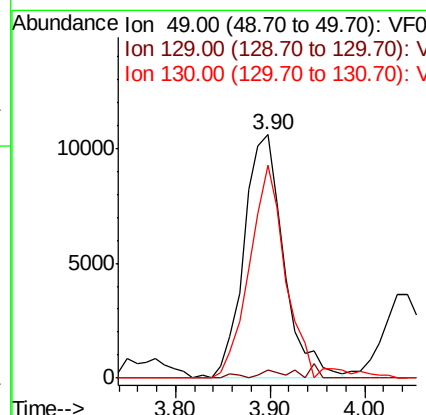
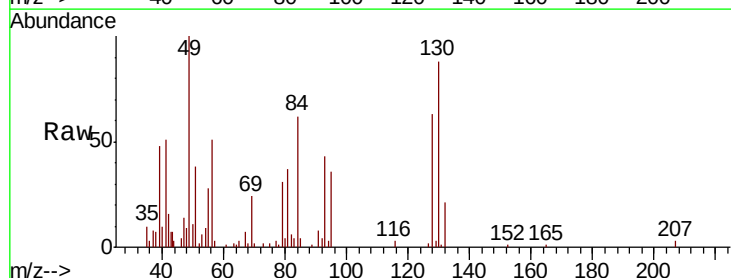
RT: 3.90 min Scan# 341

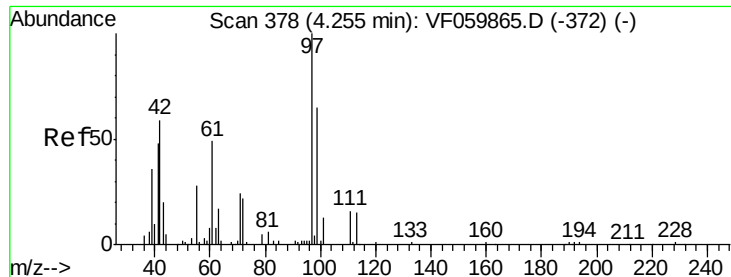
Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion:	49	Resp:	30981
Ion Ratio	Lower	Upper	
49	100		
129	3.1	0.0	4.6
130	87.6	73.8	110.8





#29

Tetrahydrofuran

Concen: 105.37 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

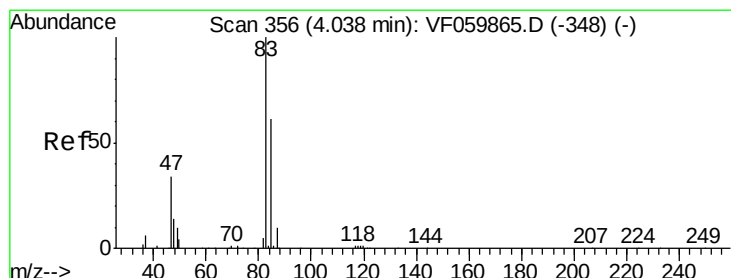
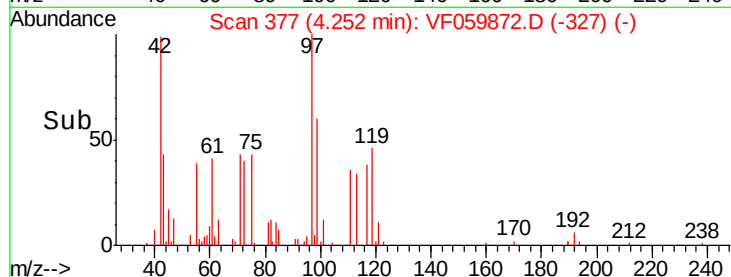
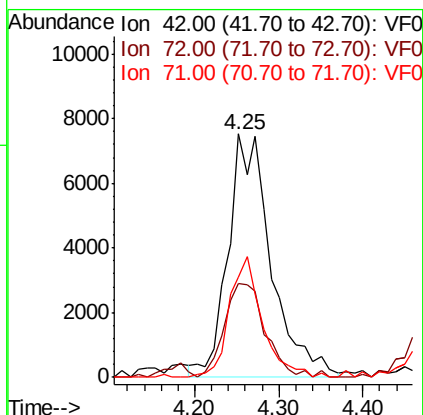
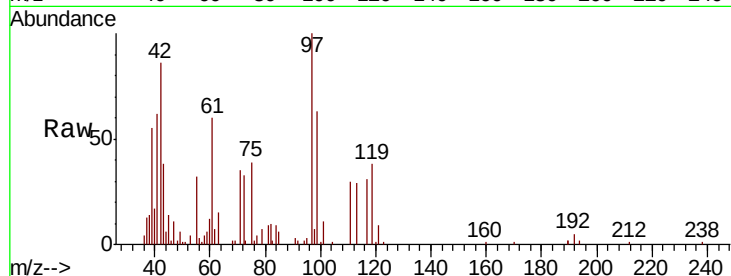
ClientSampleId :

VF0804SBSD02

Tot Ion:	42	Resp:	26858
Ion Ratio	Lower	Upper	
42	100		
72	36.7	29.3	43.9
71	37.8	30.0	45.0

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#30

Chloroform

Concen: 20.79 ug/l

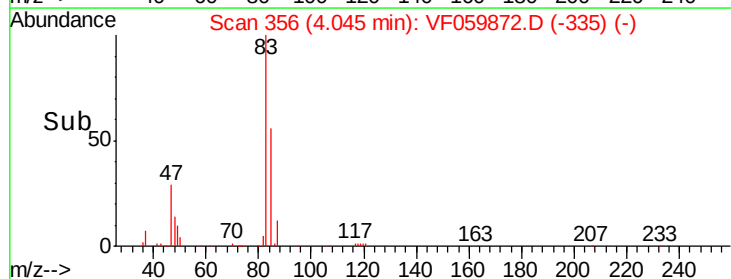
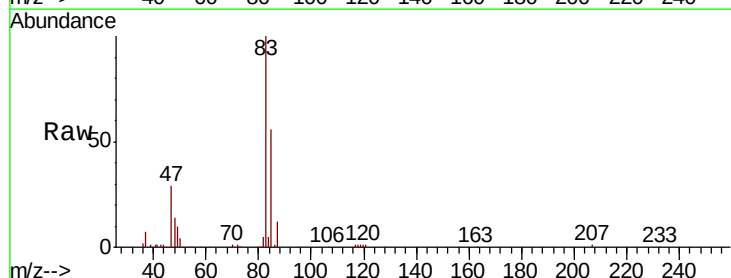
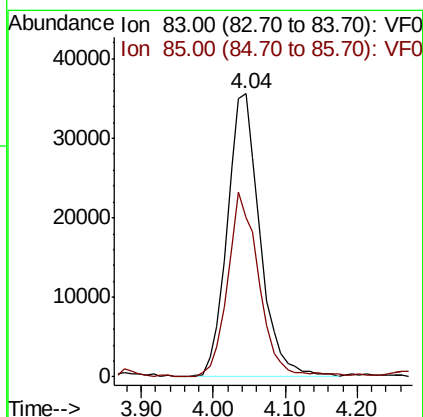
RT: 4.04 min Scan# 356

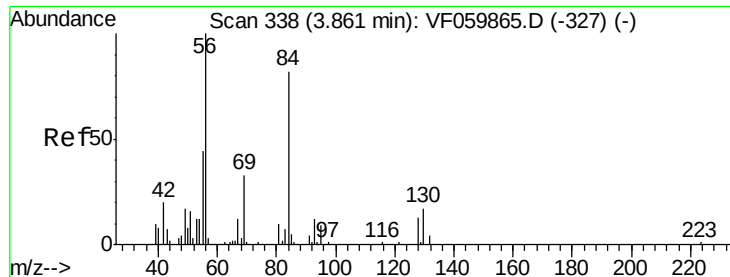
Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion:	83	Resp:	112279
Ion Ratio	Lower	Upper	
83	100		
85	56.4	49.3	73.9





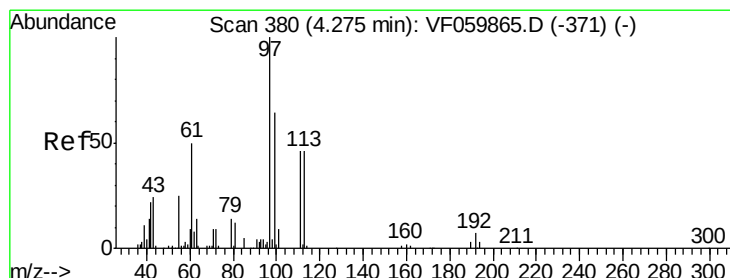
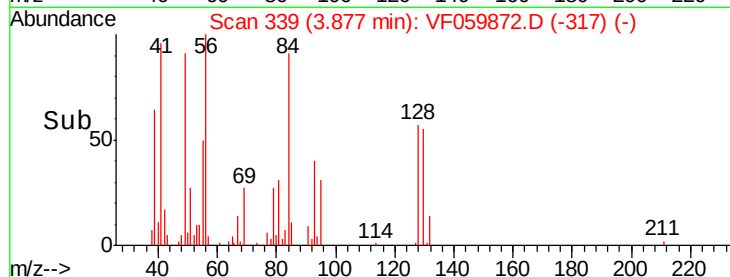
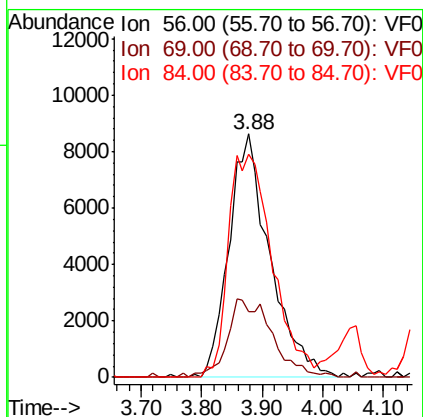
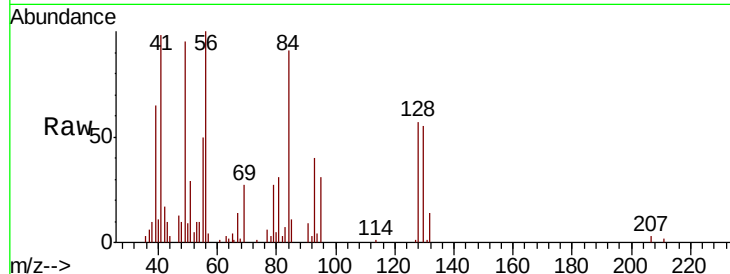
#31
Cyclohexane
Concen: 20.53 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.02 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.0	26.7	40.1
84	91.4	65.9	98.9

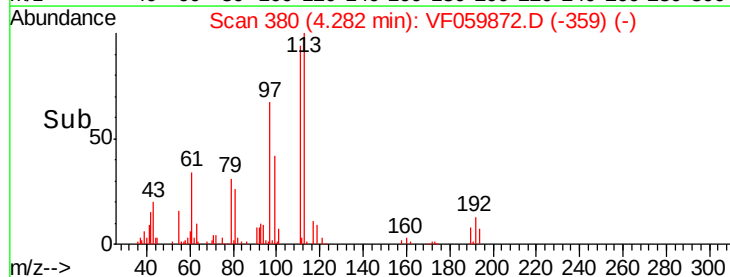
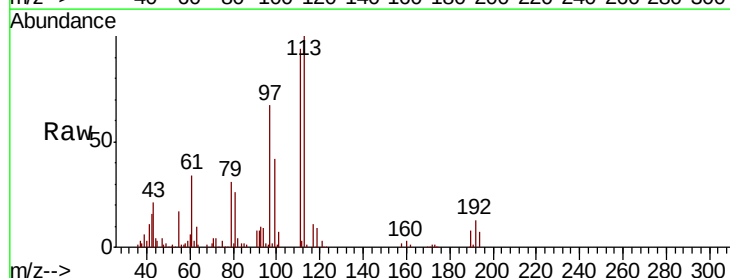
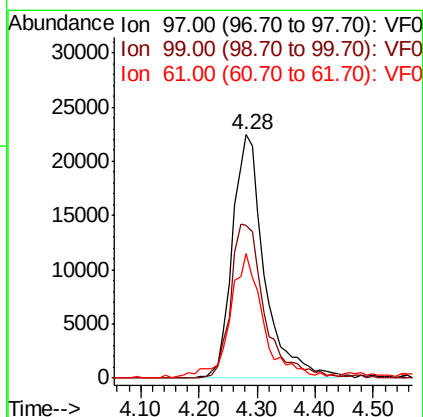
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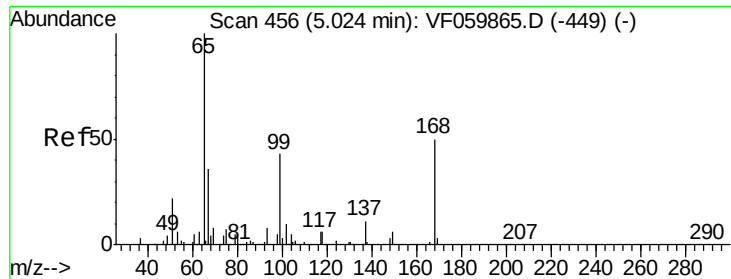
apatel
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#32
1,1,1-Trichloroethane
Concen: 19.91 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.4	77.2
61	51.4	40.8	61.2





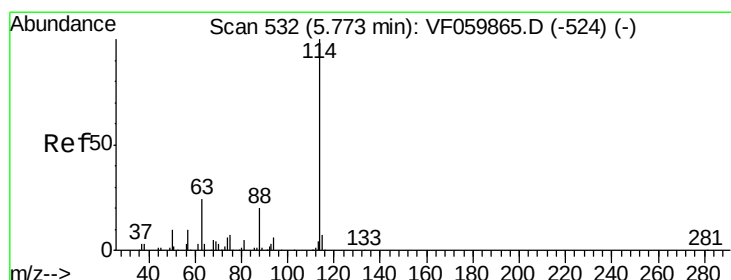
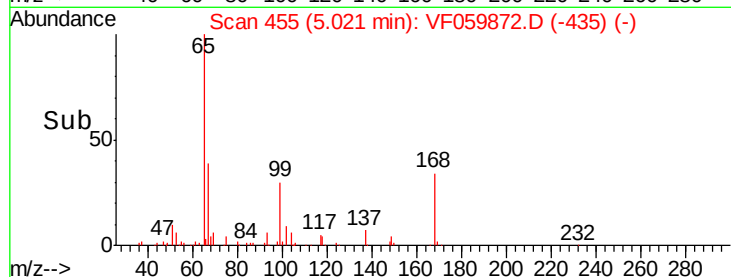
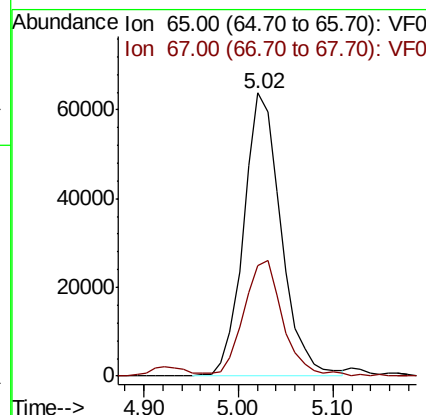
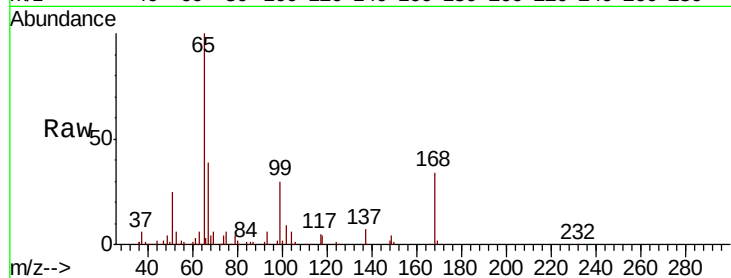
#33
 1,2-Dichloroethane-d4
 Concen: 50.88 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	38.9	0.0	77.2

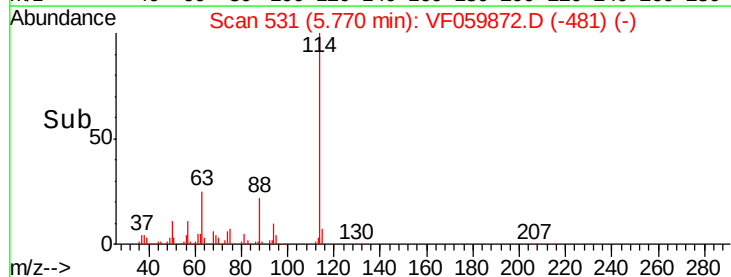
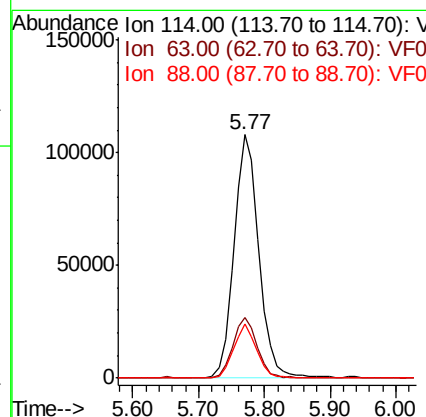
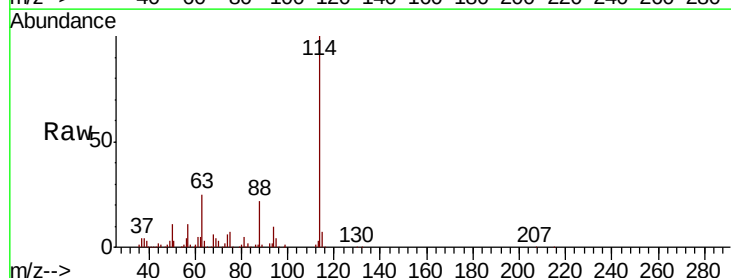
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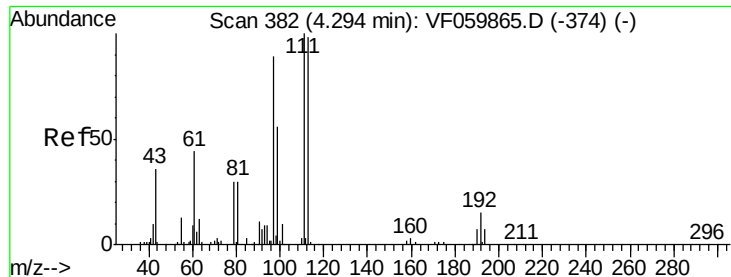
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	48.0
88	22.0	0.0	39.4





#35

Dibromofluoromethane

Concen: 49.62 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

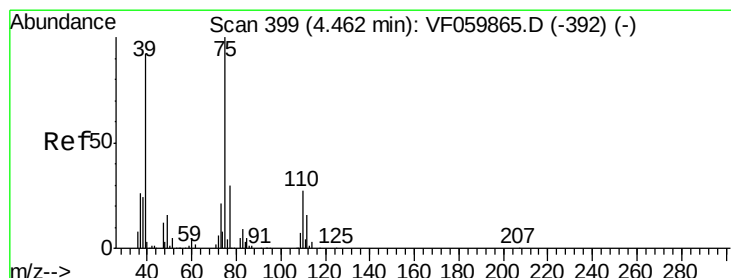
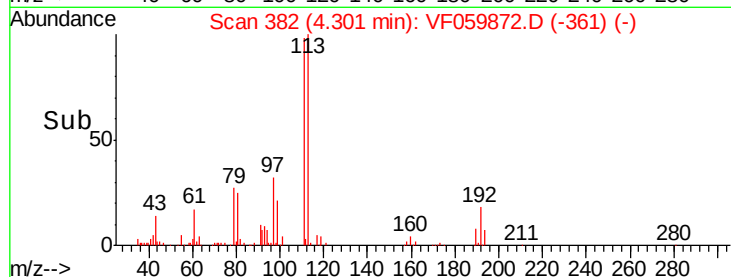
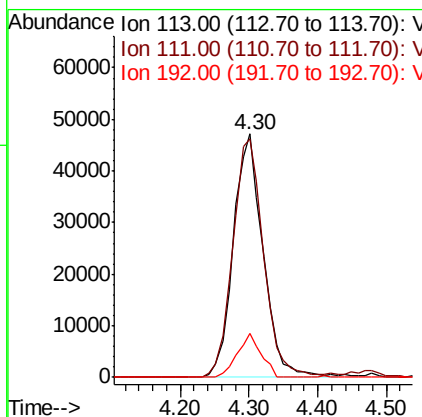
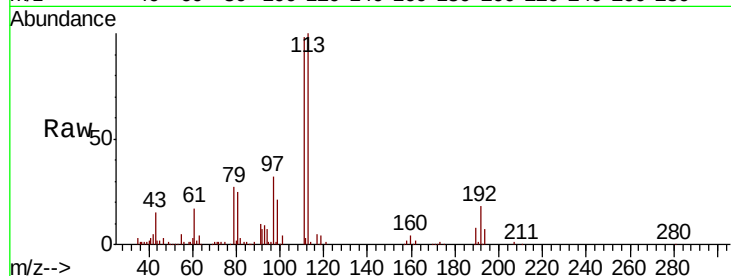
ClientSampleId :

VF0804SBSD02

Tot Ion:	113	Resp:	140753
Ion Ratio	Lower	Upper	
113	100		
111	98.0	81.8	122.8
192	18.1	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.70 ug/l

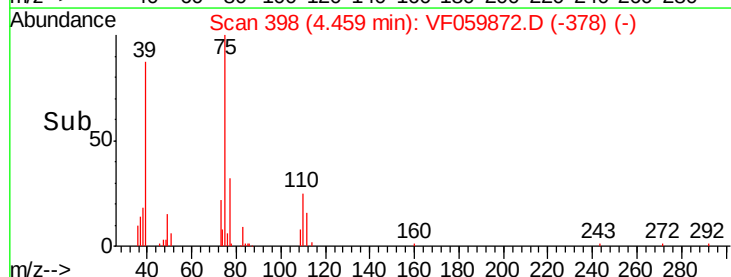
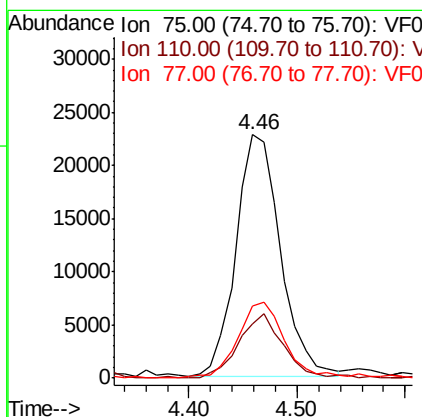
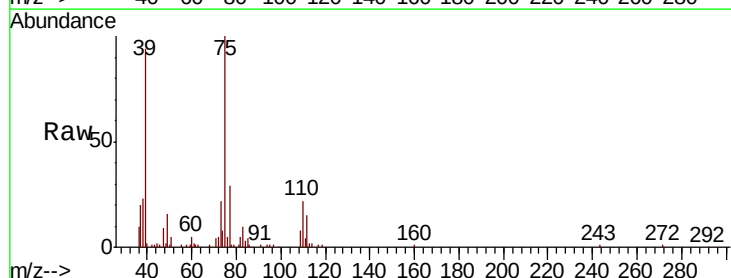
RT: 4.46 min Scan# 398

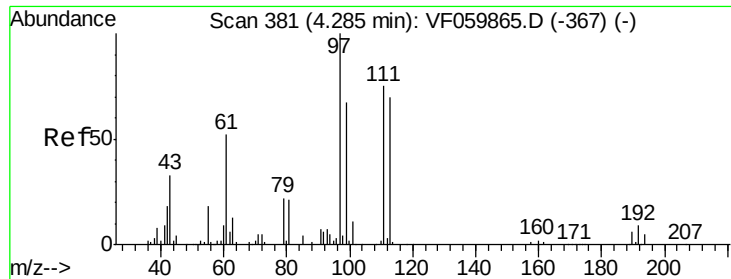
Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion:	75	Resp:	64976
Ion Ratio	Lower	Upper	
75	100		
110	22.4	13.6	40.7
77	29.5	23.7	35.5





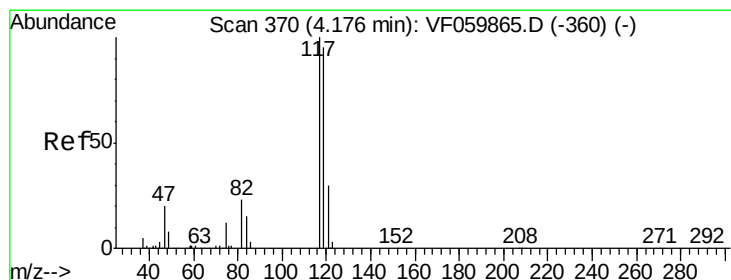
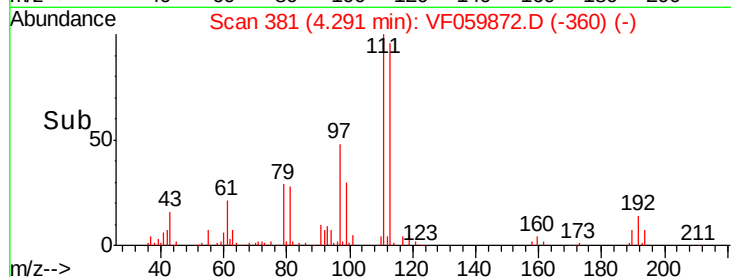
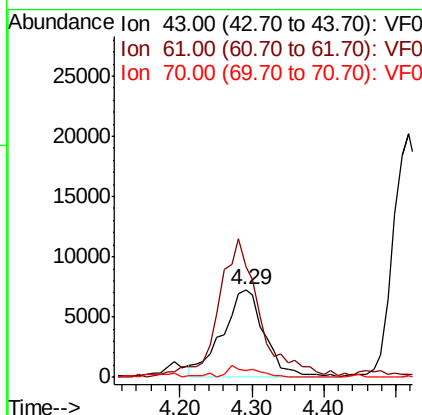
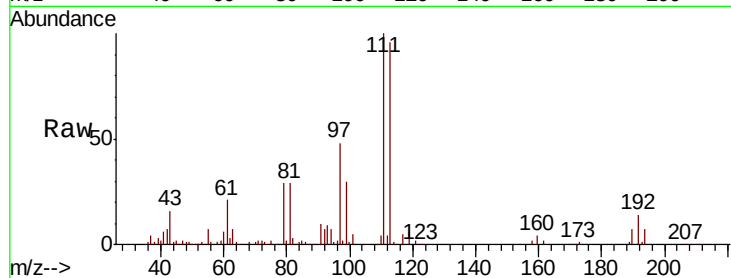
#37
Ethyl Acetate
Concen: 20.99 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBSD02

Tot Ion	43	61	70
Resp	29723	126.7	7.5
Lower		123.7	7.8
Upper		185.5	11.8#

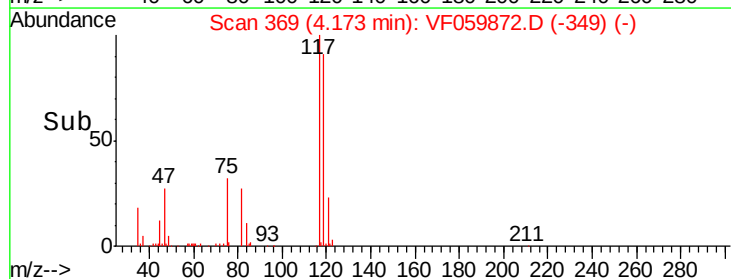
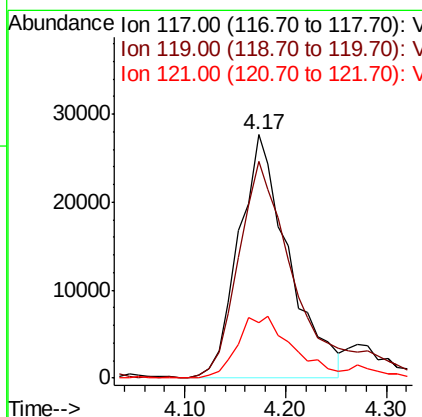
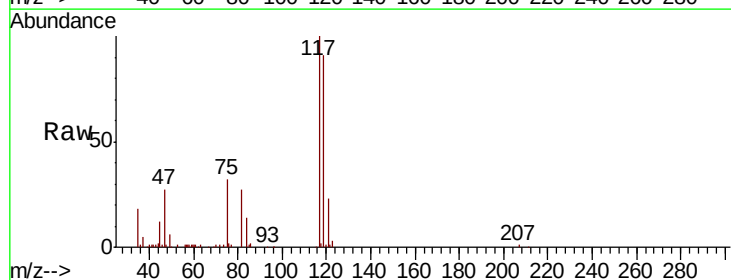
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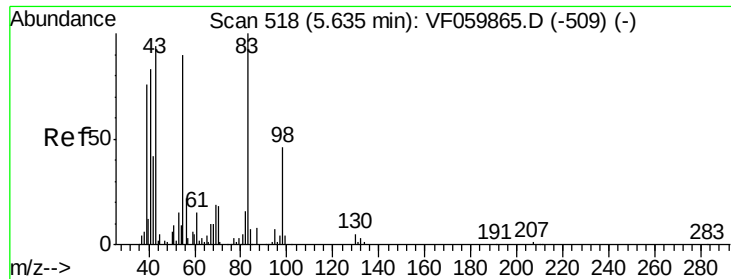
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#38
Carbon Tetrachloride
Concen: 20.15 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	117	119	121
Resp	95117	89.2	23.0
Lower		76.5	23.8
Upper		114.7	35.8#





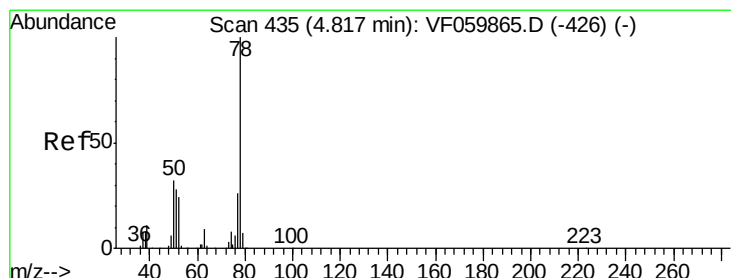
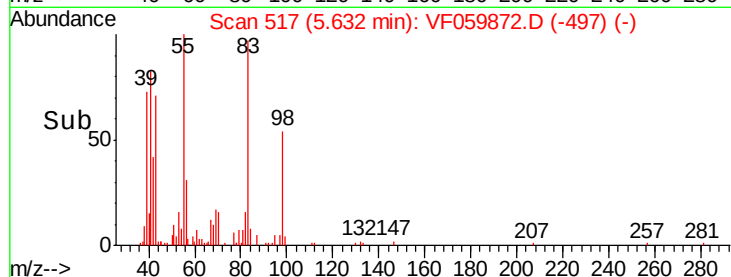
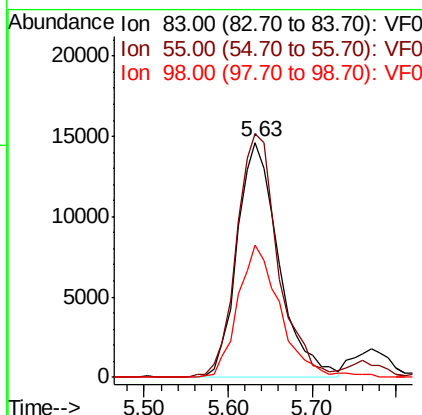
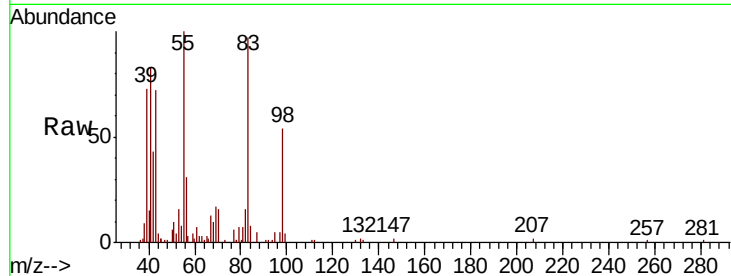
#39
Methylvlcyclohexane
Concen: 20.45 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	103.6	72.0	108.0
98	56.3	36.6	54.8

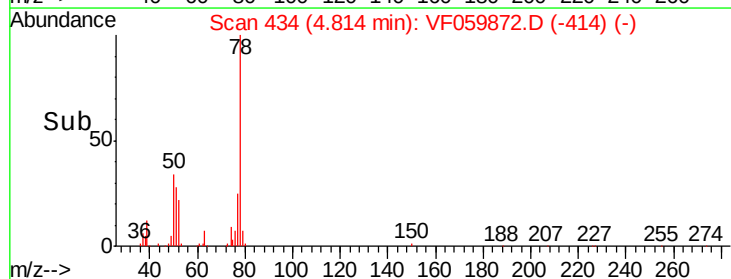
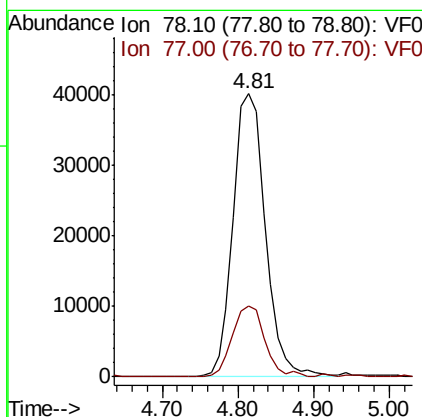
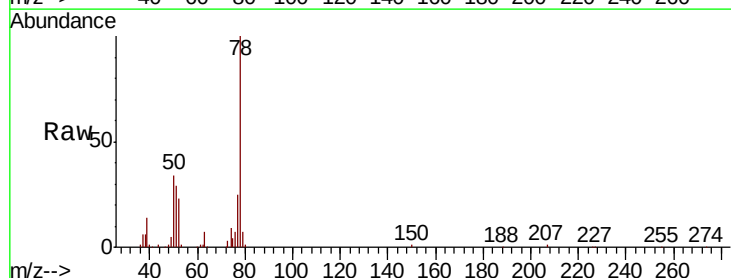
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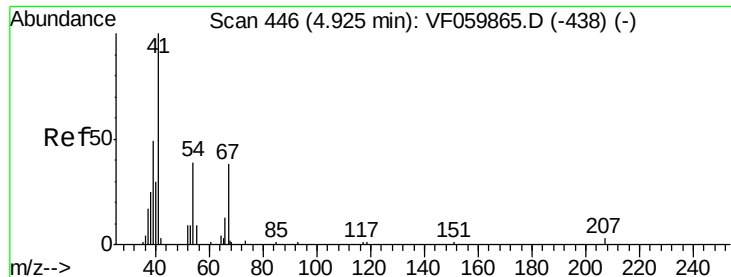
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#40
Benzene
Concen: 19.17 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	20.7	31.1





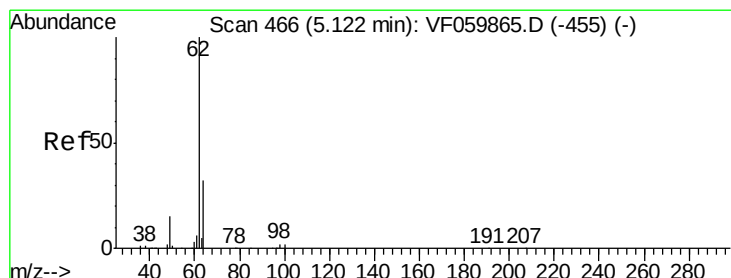
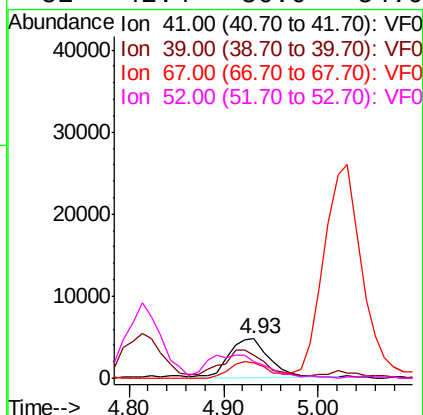
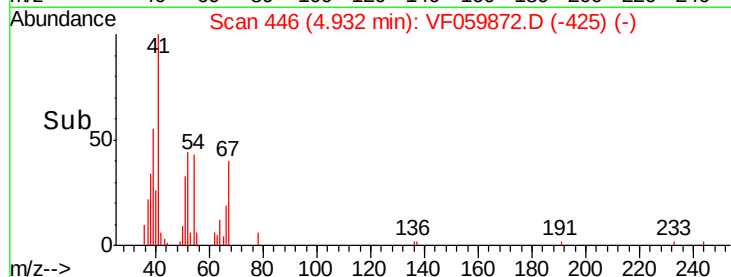
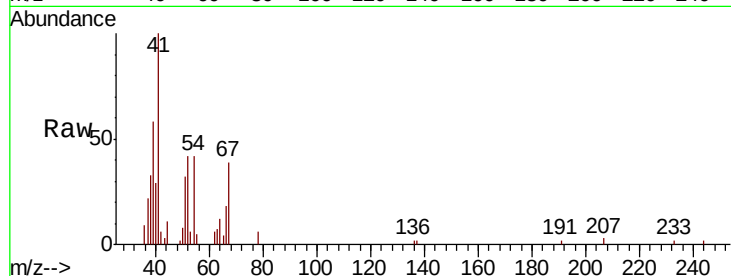
#41
Methacrylonitrile
Concen: 18.96 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	58.0	55.1	82.7		
67	38.6	30.3	45.5		
52	42.4	36.0	54.0		

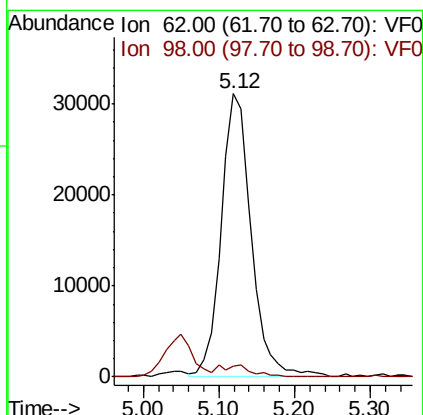
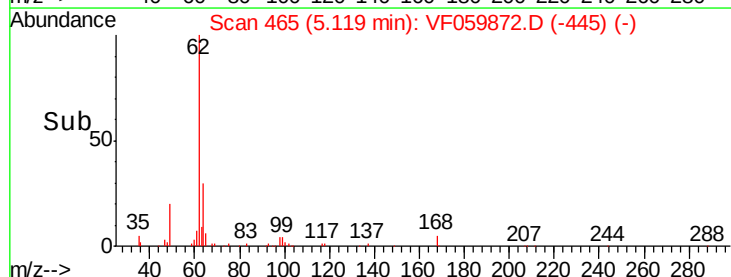
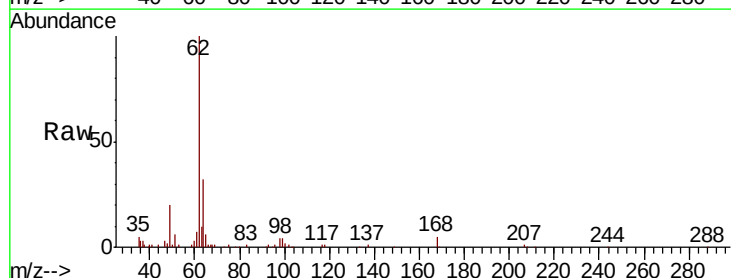
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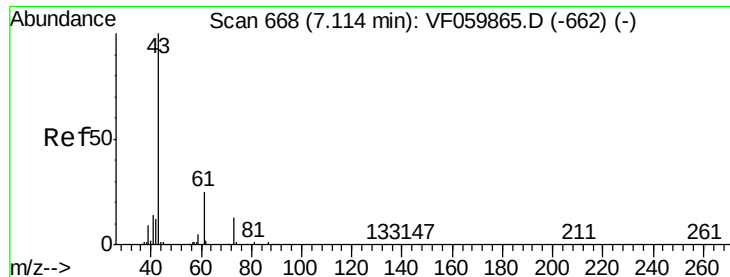
apatel
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#42
1,2-Dichloroethane
Concen: 18.60 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	3.8	0.0	7.6		





#43

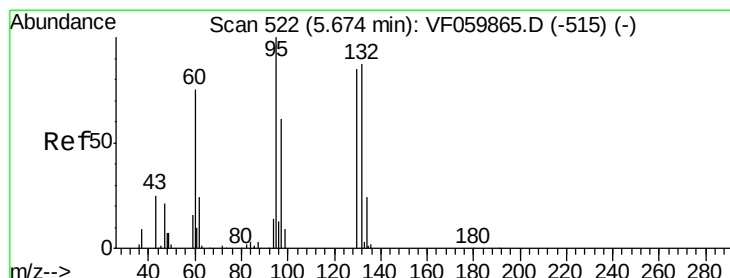
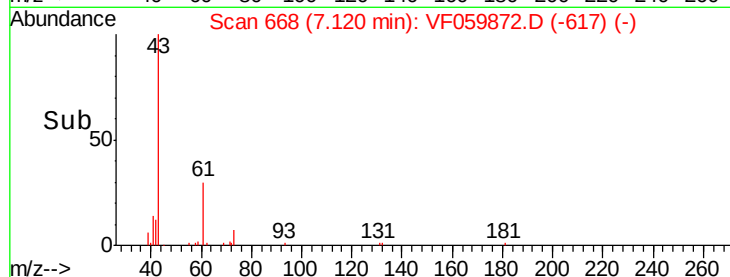
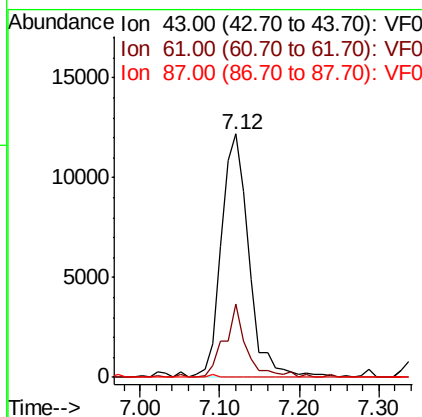
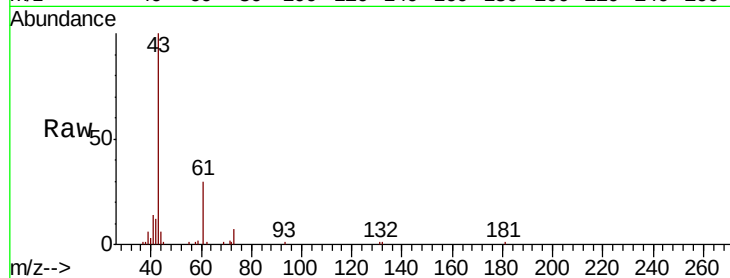
Isopropyl Acetate
 Concen: 20.48 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	20.3	30.5
87	0.0	0.7	1.1#

Manual Integrations
 APPROVED

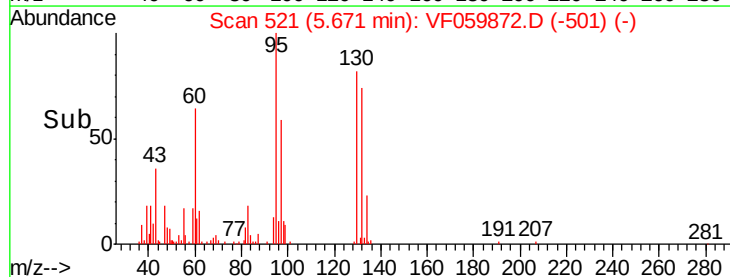
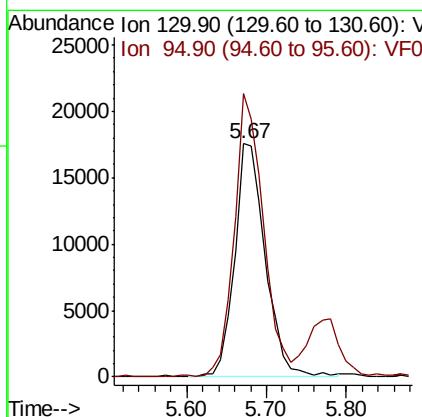
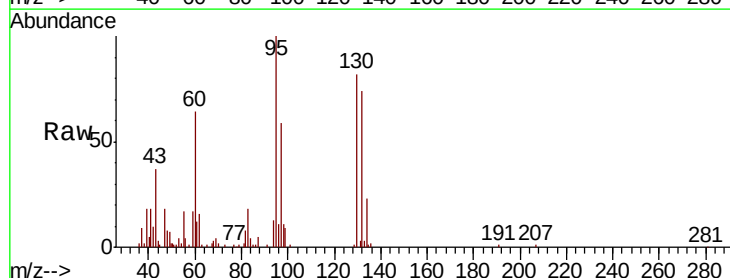
apatel
 8/6/2018 10:26:26 AM

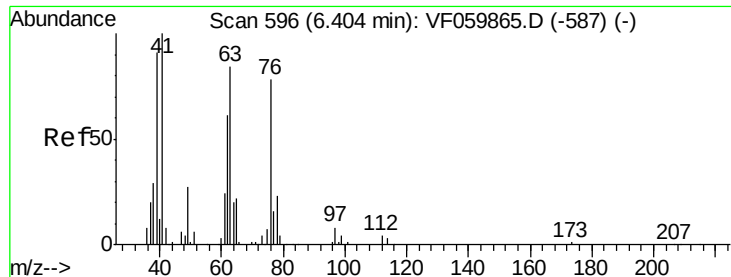


#44

Trichloroethene
 Concen: 21.41 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.5	0.0	236.8





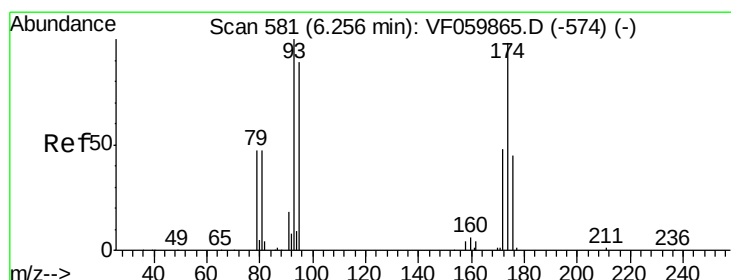
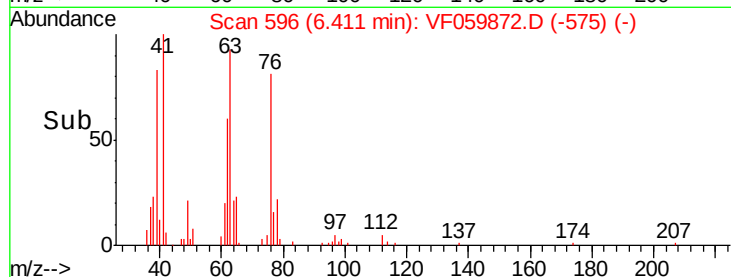
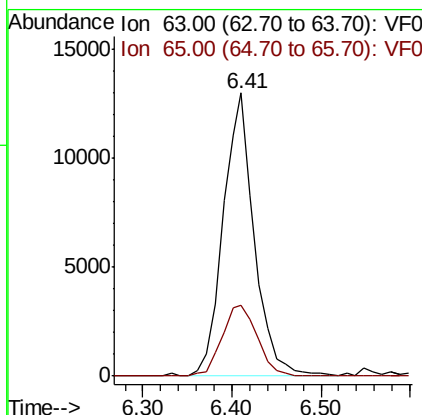
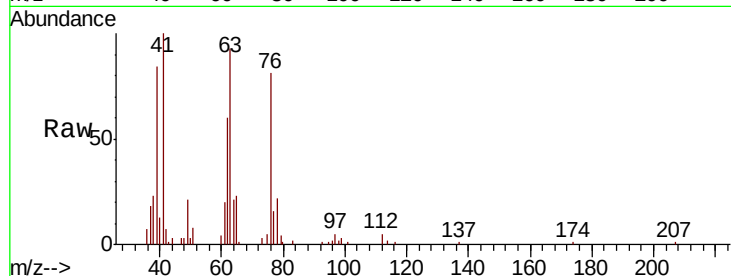
#45
1,2-Dichloropropane
Concen: 20.96 ug/l
RT: 6.41 min Scan# 596
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.3	20.4	30.6

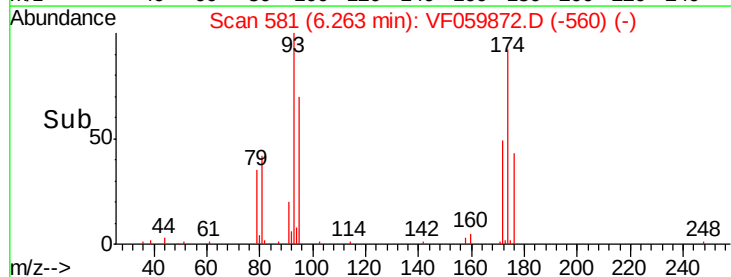
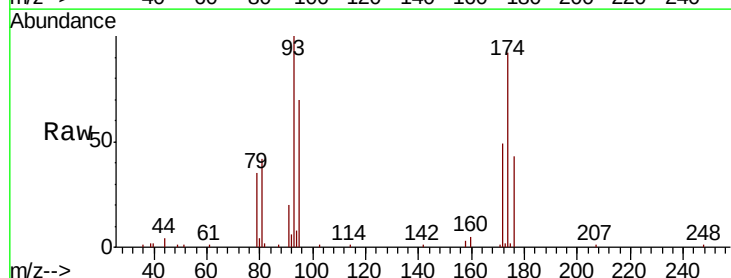
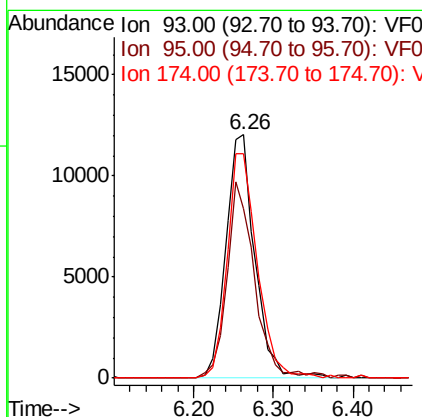
Manual Integrations
APPROVED

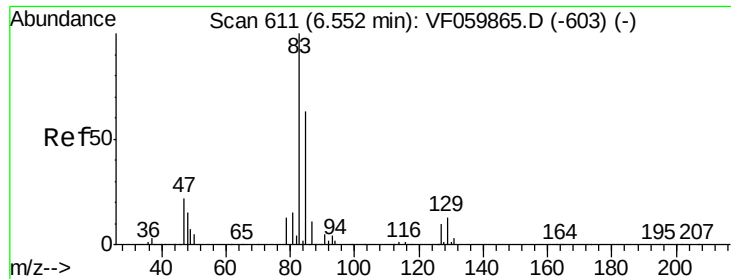
apatel
8/6/2018 10:26:26 AM



#46
Dibromomethane
Concen: 20.04 ug/l
RT: 6.26 min Scan# 581
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	69.8	71.4	107.2#
174	93.8	78.1	117.1





#47

Bromodichloromethane

Concen: 19.14 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

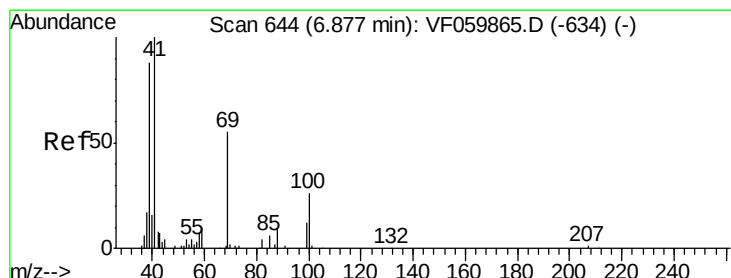
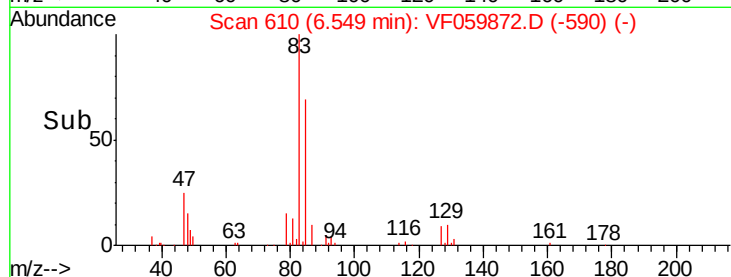
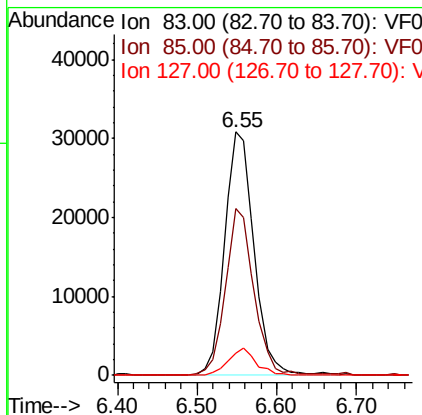
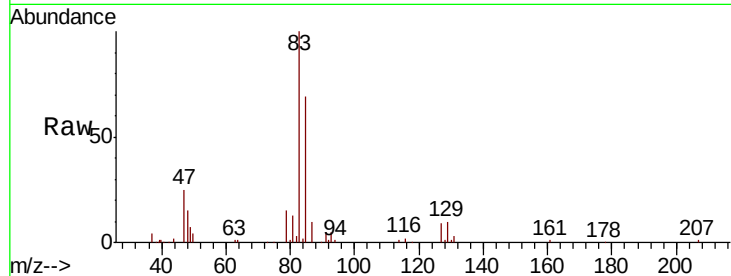
ClientSampleId :

VF0804SBS02

Tot Ion:	83	Resp:	79957
Ion	Ratio	Lower	Upper
83	100		
85	68.7	50.7	76.1
127	9.2	8.0	12.0

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 19.91 ug/l

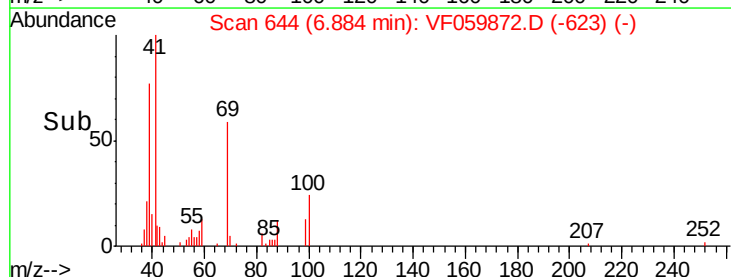
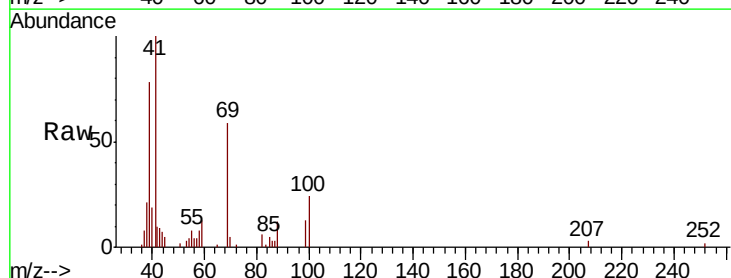
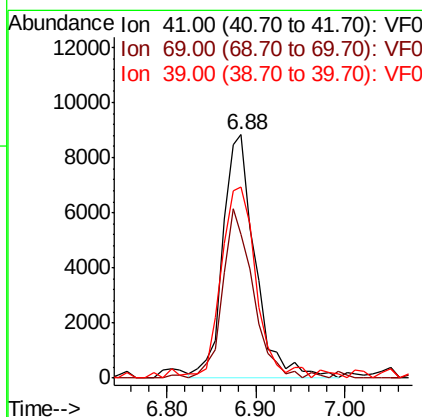
RT: 6.88 min Scan# 644

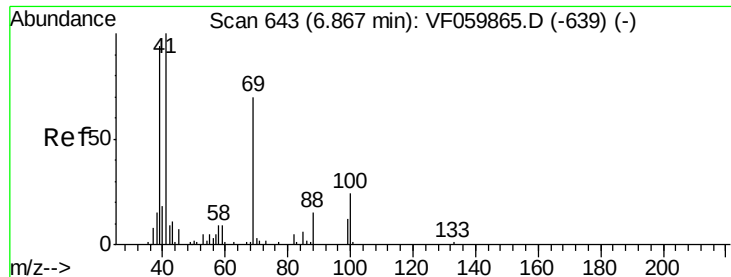
Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion:	41	Resp:	22586
Ion	Ratio	Lower	Upper
41	100		
69	58.8	44.4	66.6
39	78.5	70.6	106.0





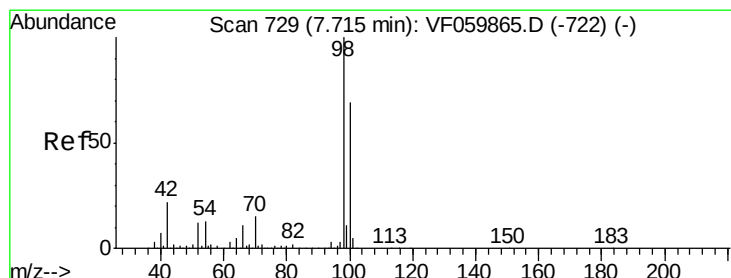
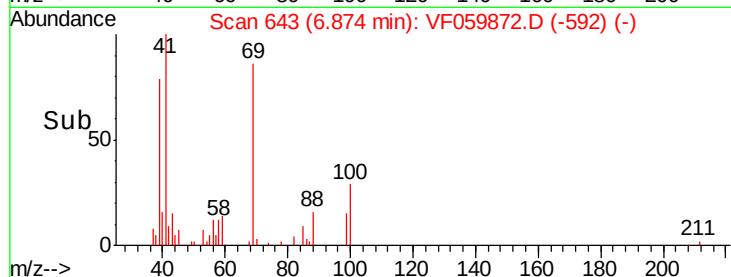
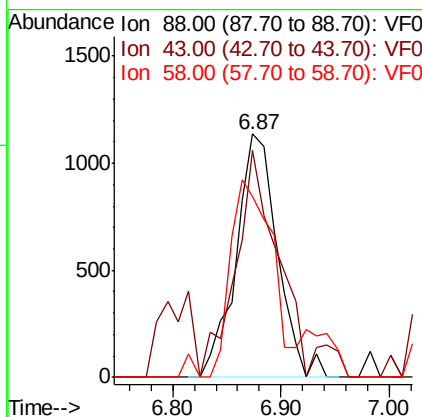
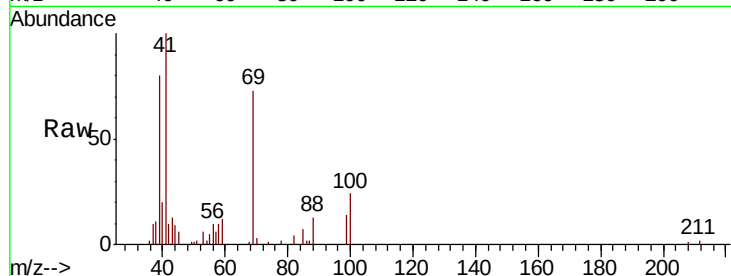
#49
1,4-Dioxane
Concen: 421.22 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	93.1	58.3	87.5#	
58	74.3	49.4	74.2#	

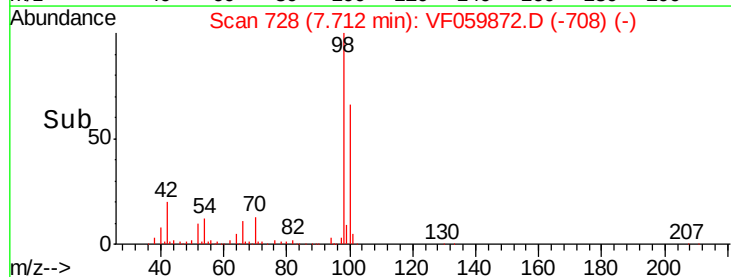
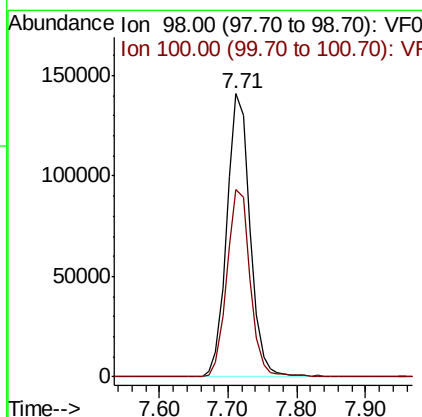
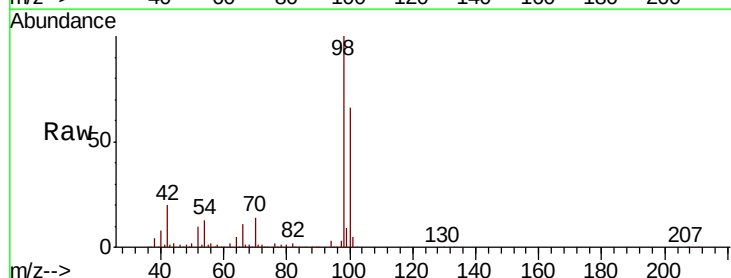
Manual Integrations
APPROVED

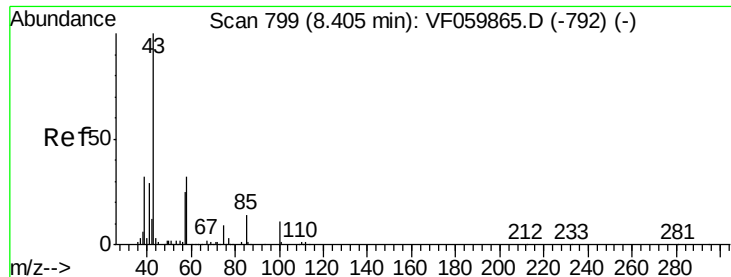
apatel
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#50
Toluene-d8
Concen: 54.69 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.2	55.0	82.6	





#51

4-Methyl-2-Pentanone

Concen: 99.39 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion: 43 Resp: 148166

Ion Ratio Lower Upper

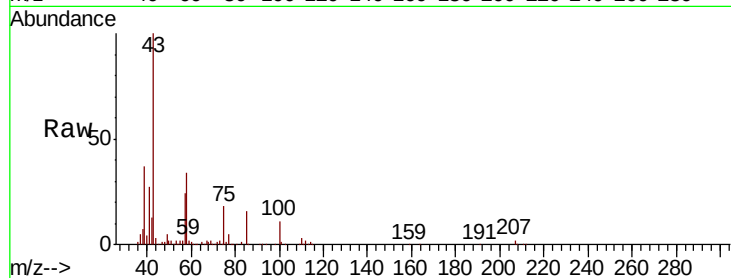
43 100

58 34.0 25.4 38.0

Manual Integrations
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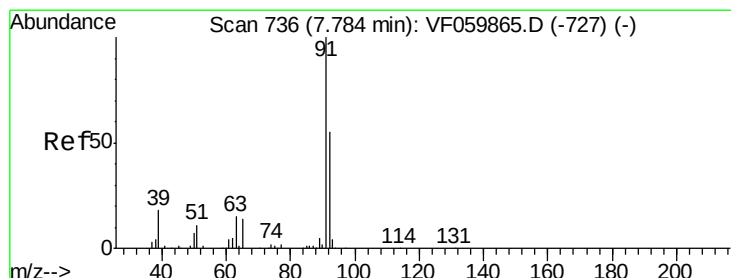
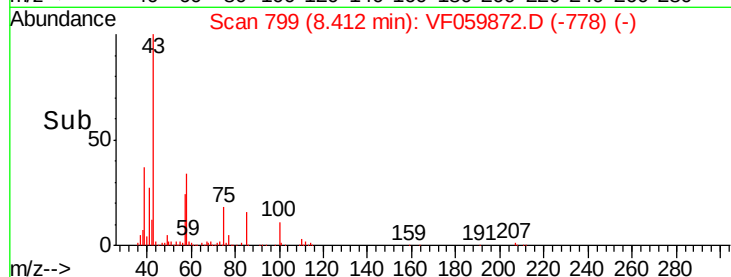
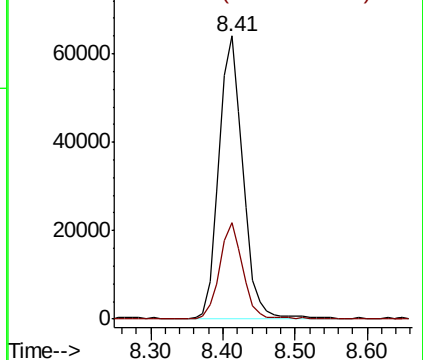
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.86 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059872.D

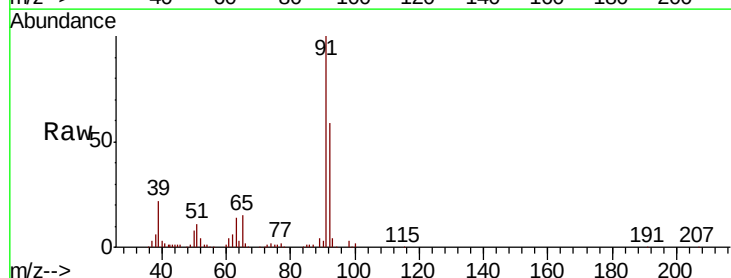
Acq: 4 Aug 2018 8:52

Tgt Ion: 92 Resp: 91034

Ion Ratio Lower Upper

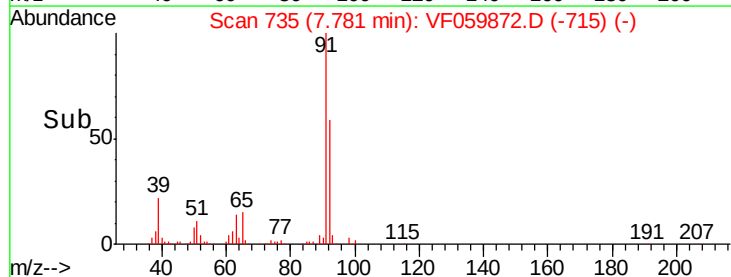
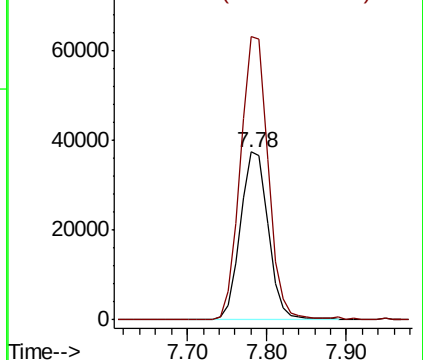
92 100

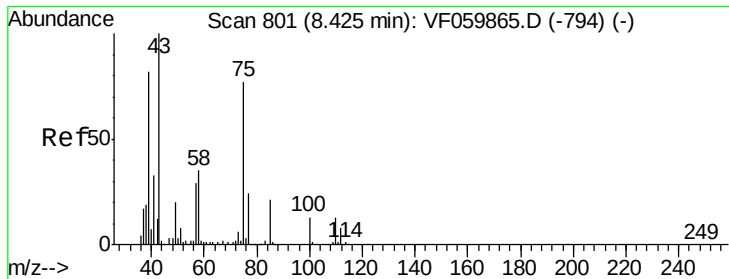
91 168.9 145.7 218.5



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: 20.65 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBSD02

Tot Ion: 75 Resp: 65593

Ion Ratio Lower Upper

75 100

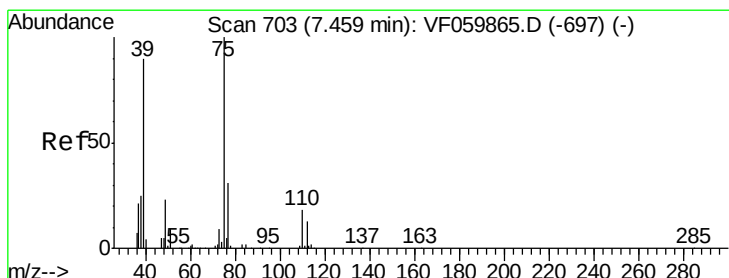
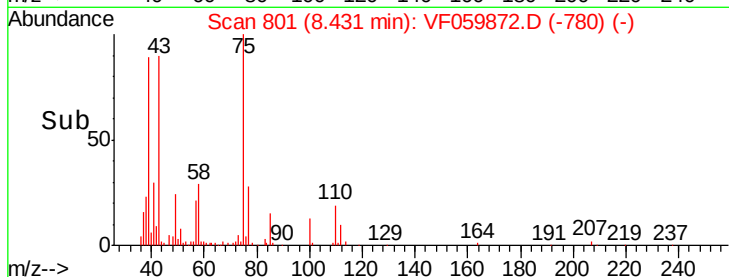
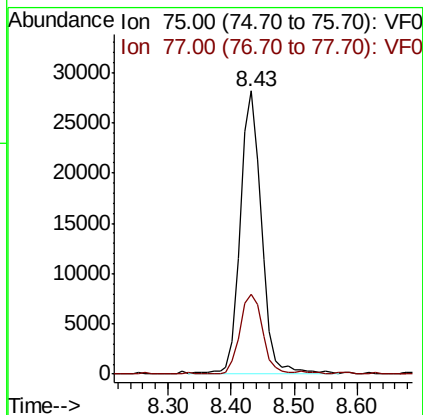
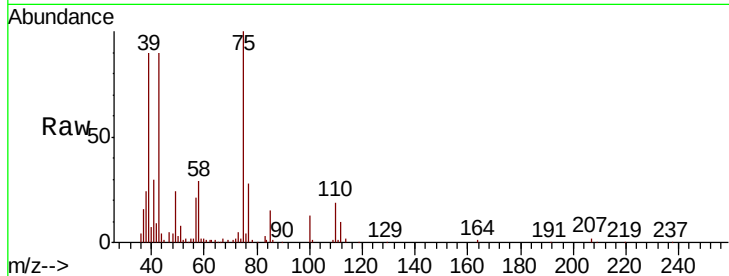
77 28.4 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.00 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

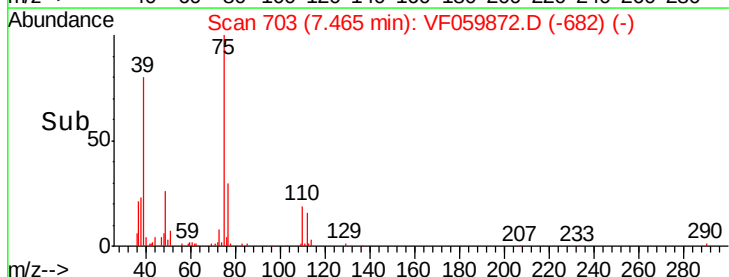
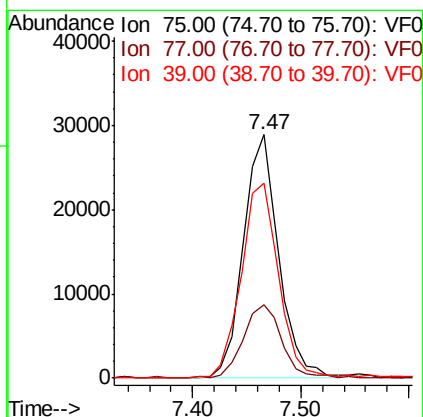
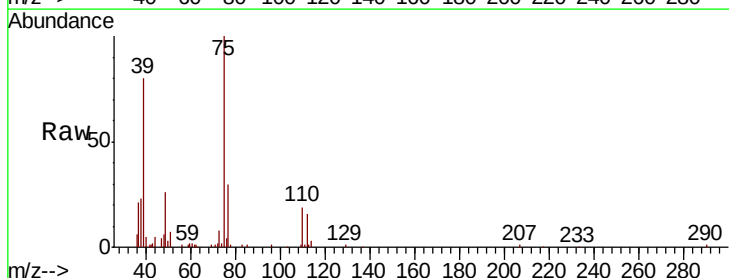
Tgt Ion: 75 Resp: 65581

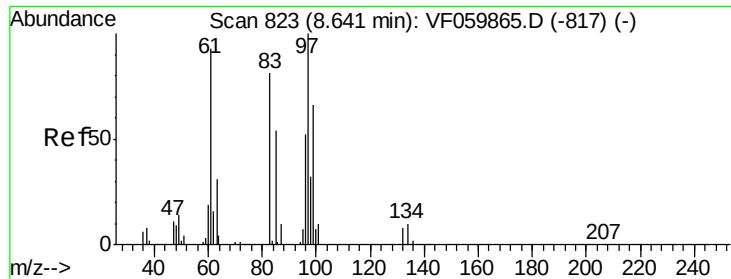
Ion Ratio Lower Upper

75 100

77 30.0 24.7 37.1

39 80.0 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 20.17 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

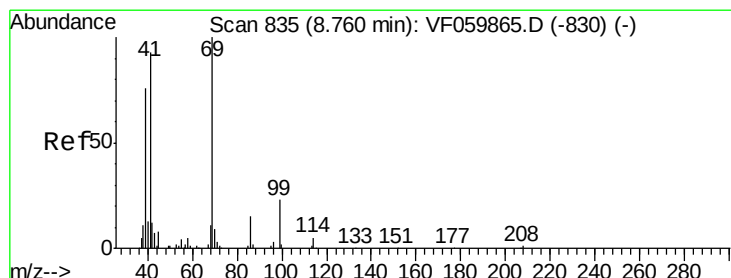
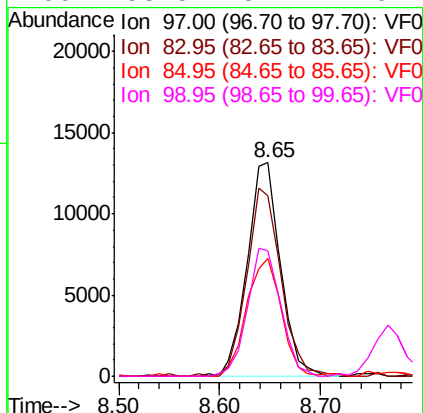
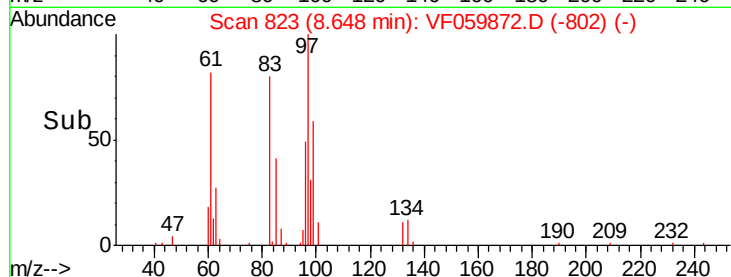
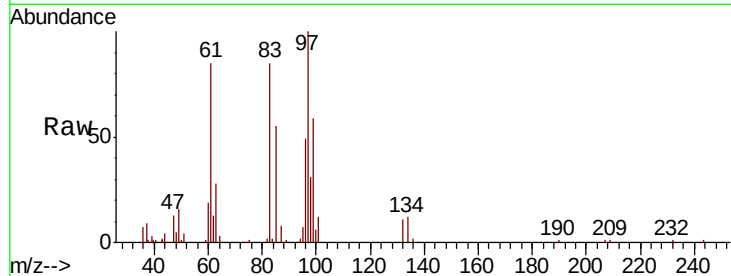
ClientSampleId :

VF0804SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		30236		
83	84.6	64.4	96.6		
85	55.1	43.1	64.7		
99	58.5	52.7	79.1		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.62 ug/l

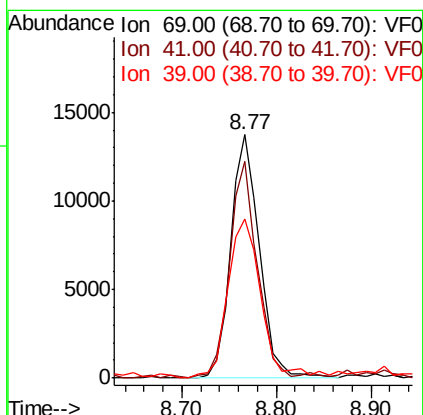
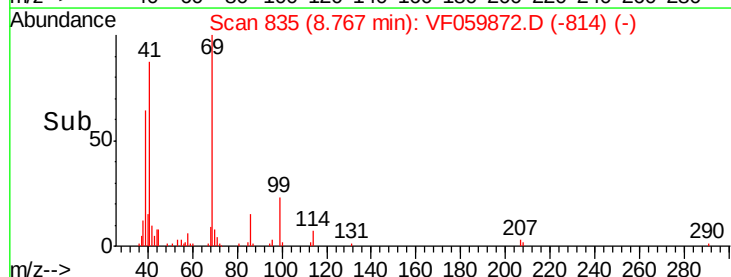
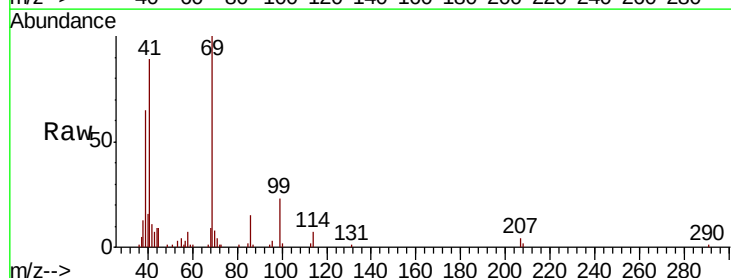
RT: 8.77 min Scan# 835

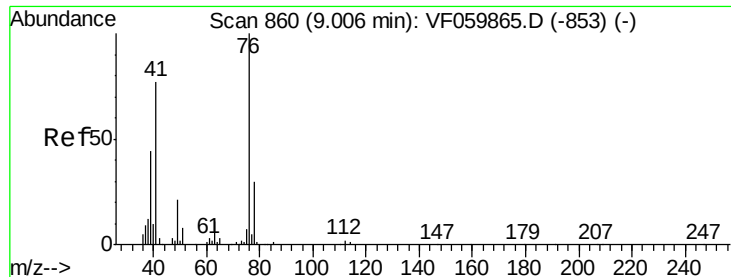
Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		28663		
41	88.9	74.7	112.1		
39	65.2	61.1	91.7		





#57

1,3-Dichloropropane

Concen: 21.40 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBSD02

Tot Ion: 76 Resp: 55095

Ion Ratio Lower Upper

76 100

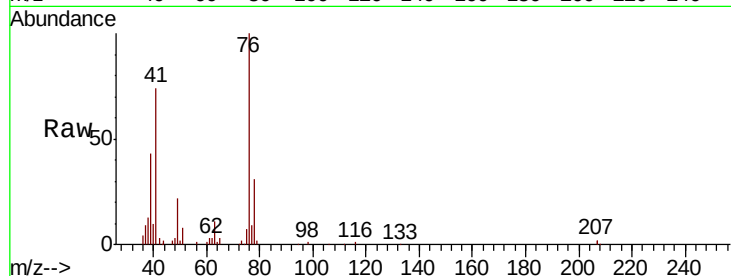
78 30.8 24.2 36.2

Manual Integrations

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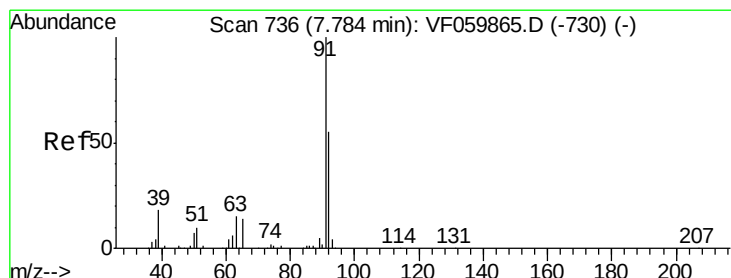
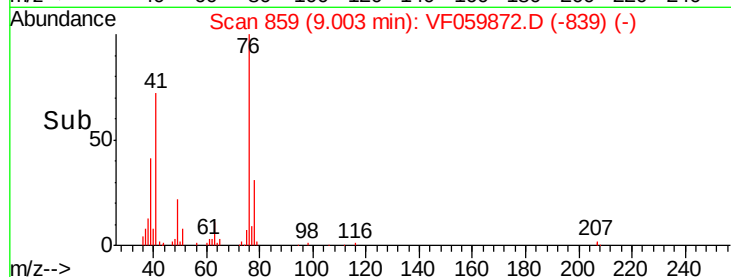
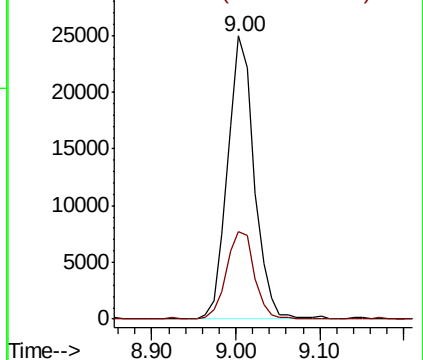
apatel

8/6/2018 10:26:26 AM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 99.62 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059872.D

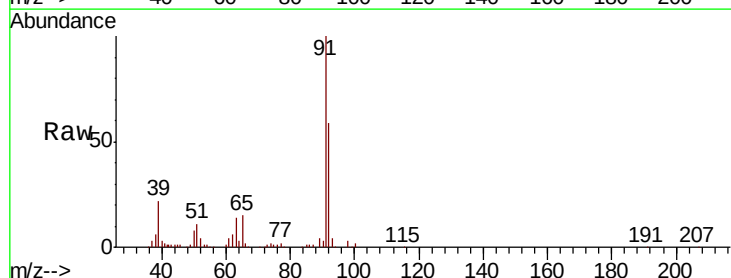
Acq: 4 Aug 2018 8:52

Tgt Ion: 63 Resp: 19761

Ion Ratio Lower Upper

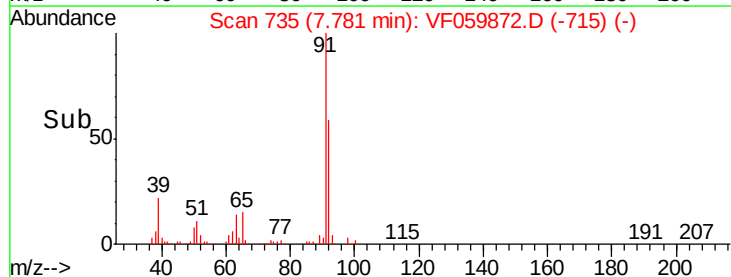
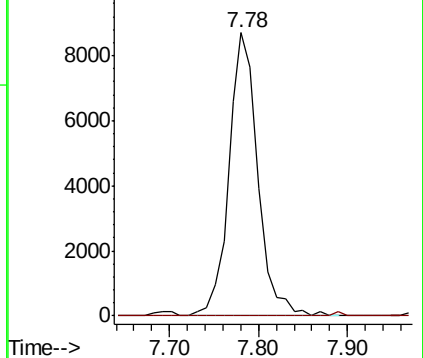
63 100

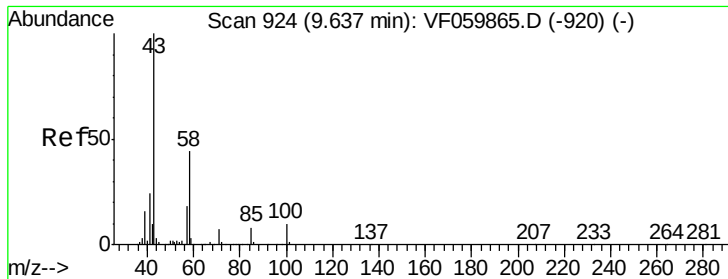
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





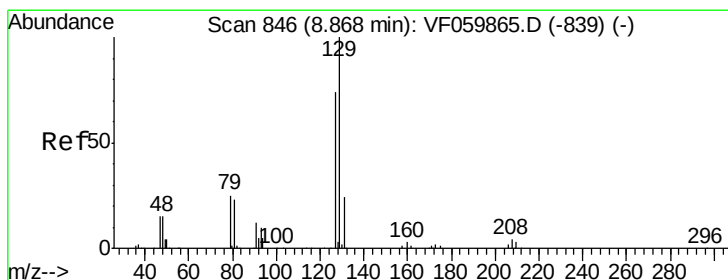
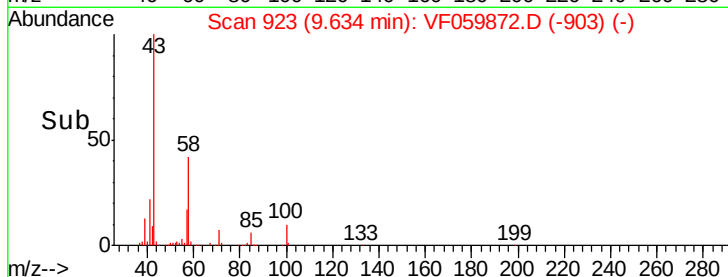
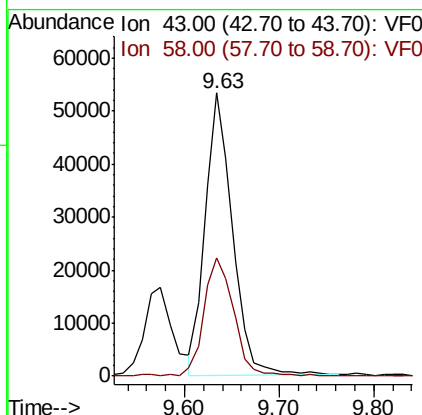
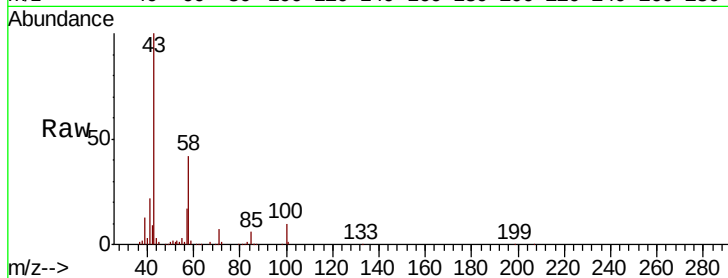
#59
2-Hexanone
Concen: 101.32 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.7	20.8	62.2

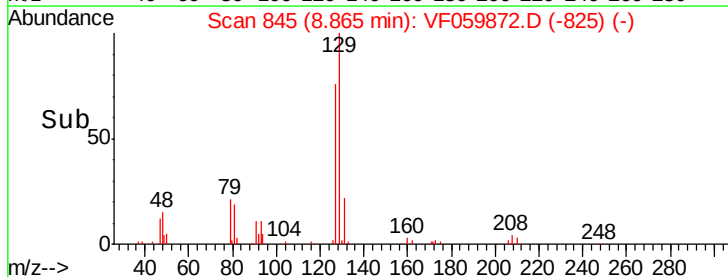
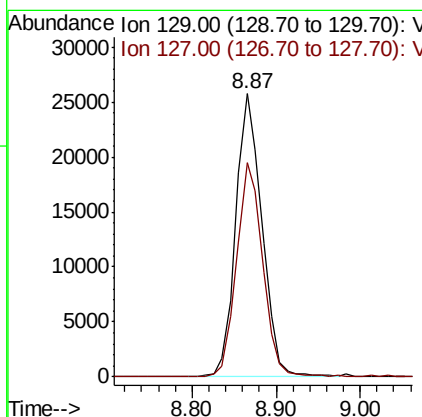
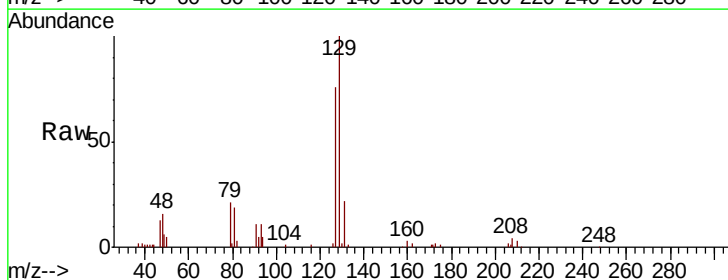
Manual Integrations
APPROVED

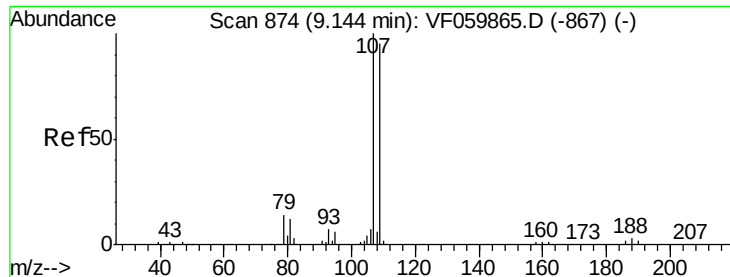
apatel
8/6/2018 10:26:26 AM



#60
Dibromochloromethane
Concen: 19.84 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	36.9	110.7





#61

1,2-Dibromoethane

Concen: 20.28 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion:107 Resp: 37055

Ion Ratio Lower Upper

107 100

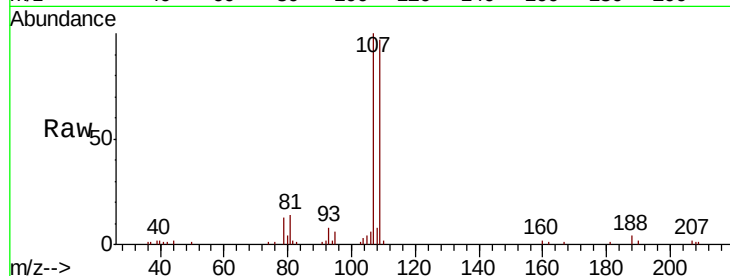
109 96.7 75.8 113.8

Manual Integrations

APPROVED

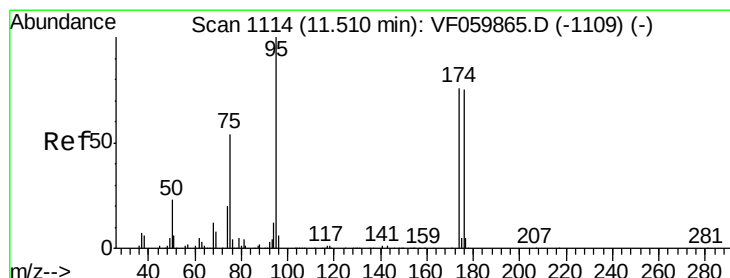
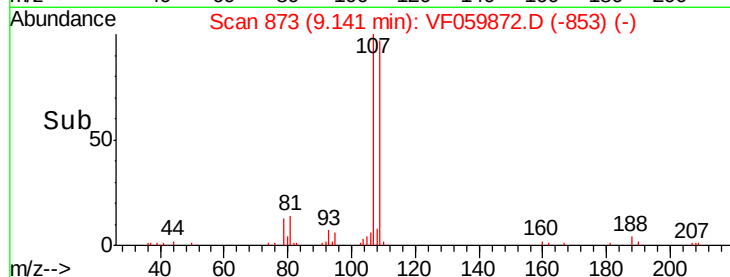
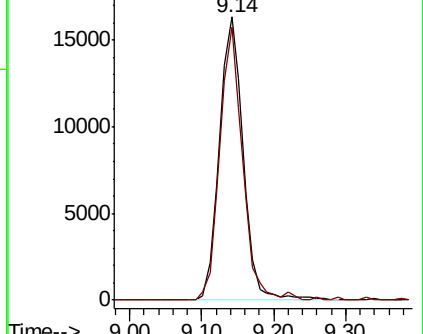
apatel

8/6/2018 10:26:26 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.50 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

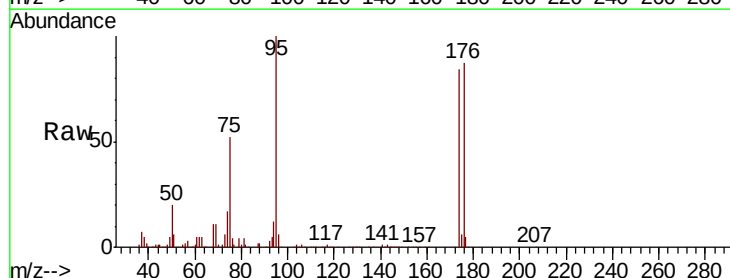
Tgt Ion: 95 Resp: 181460

Ion Ratio Lower Upper

95 100

174 84.3 0.0 151.6

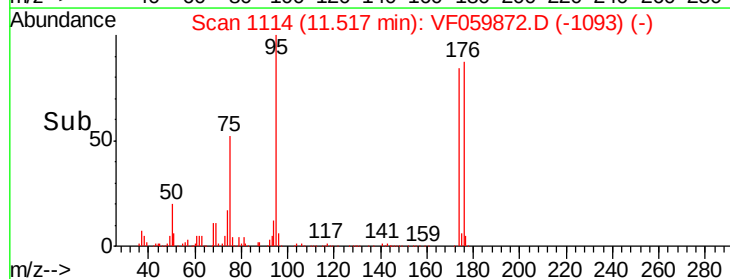
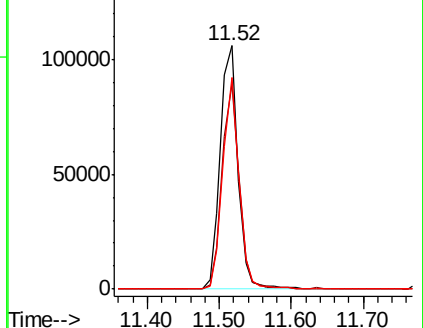
176 87.0 0.0 149.8

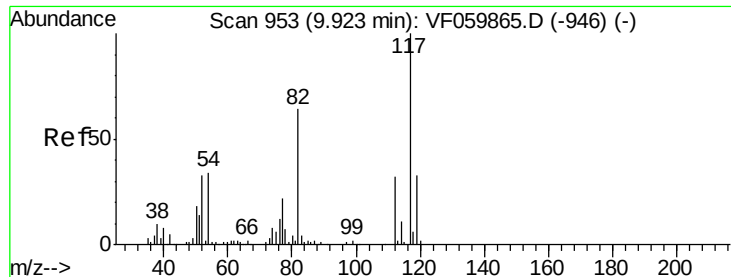


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





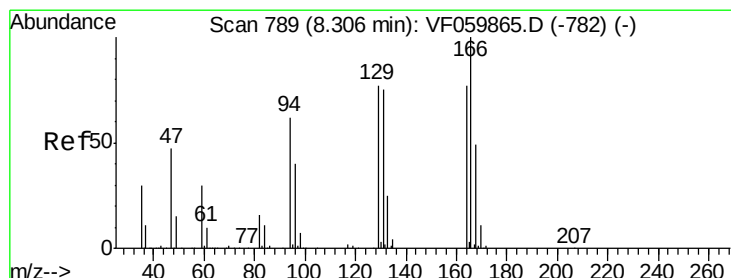
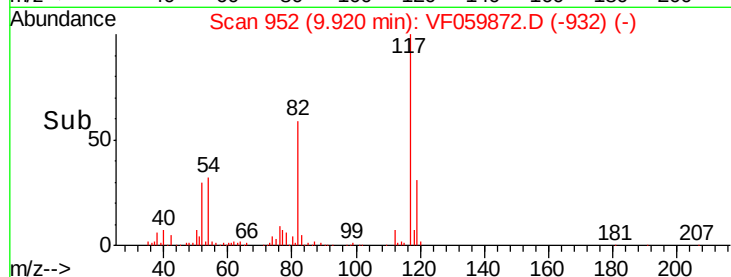
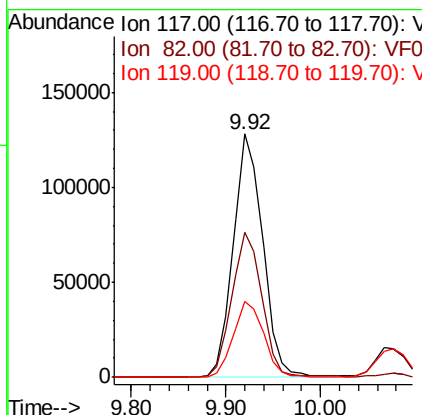
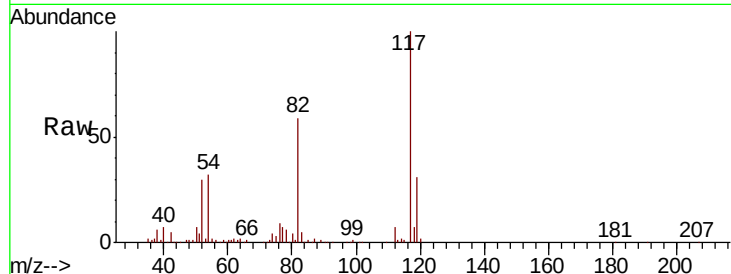
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	277371		
82	59.4		51.3	76.9
119	31.1		26.4	39.6

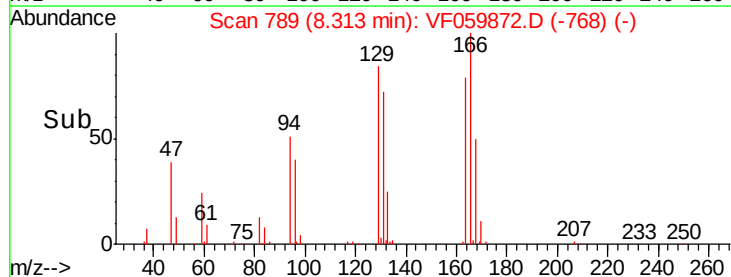
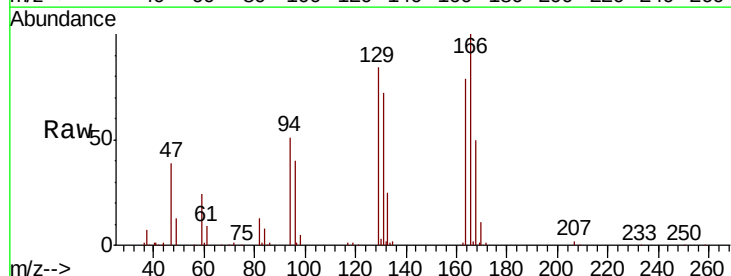
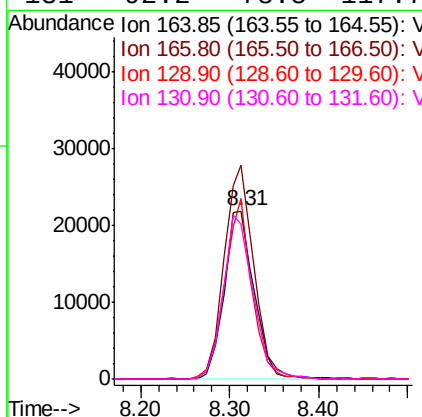
Manual Integrations
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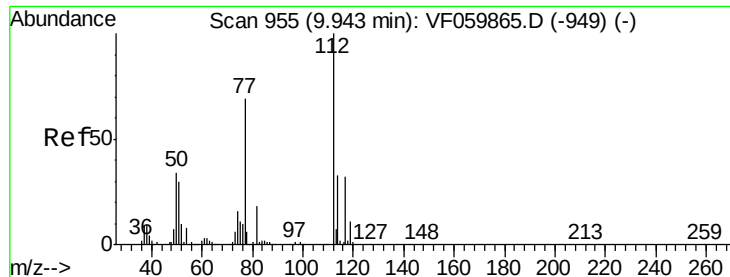
apatel
8/6/2018 10:26:26 AM



#64
Tetrachloroethene
Concen: 21.61 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51718		
166	127.4		104.4	156.6
129	107.6		80.3	120.5
131	92.2		78.5	117.7





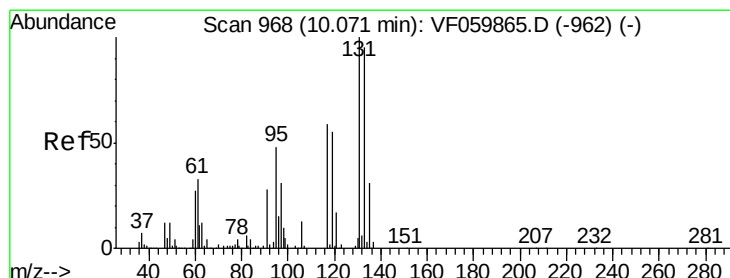
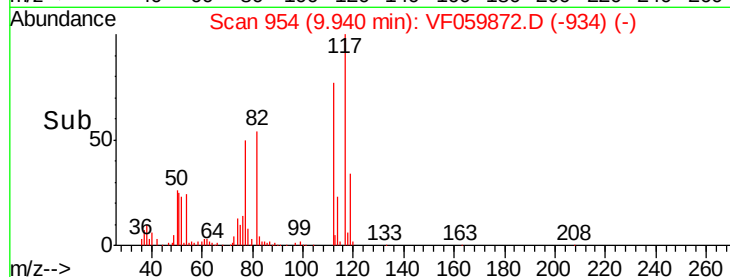
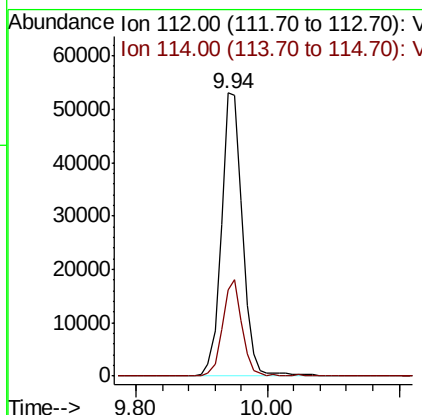
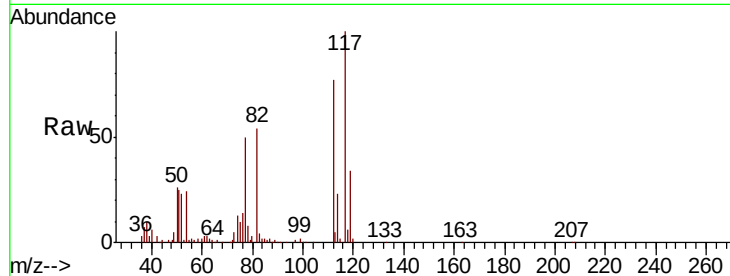
#65
Chlorobenzene
Concen: 21.10 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	26.4	39.6

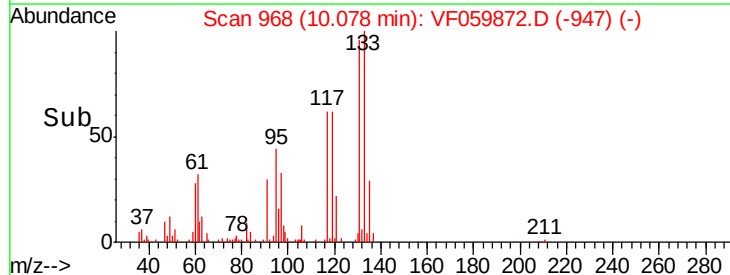
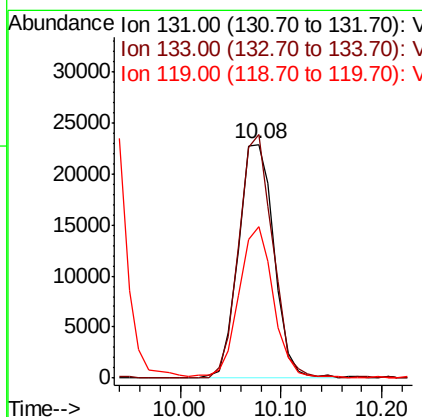
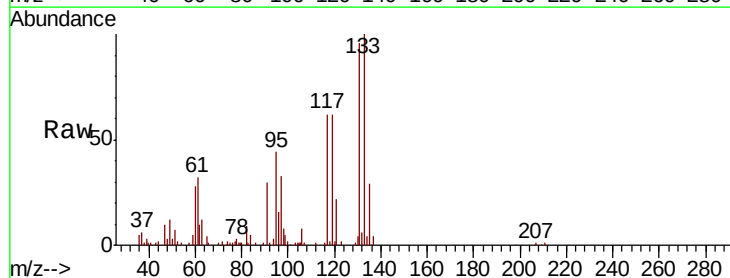
Manual Integrations
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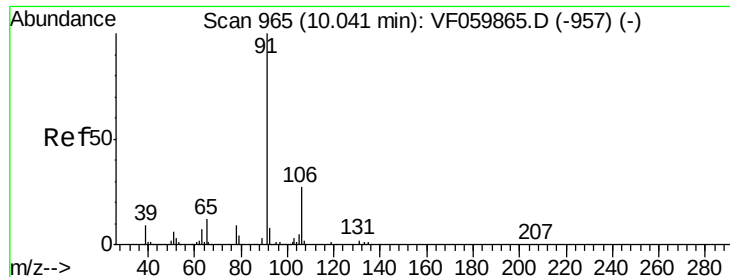
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.06 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	104.2	47.4	142.2
119	64.9	27.7	83.1





#67

Ethyl Benzene

Concen: 21.71 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBSD02

Tot Ion: 91 Resp: 212972

Ion Ratio Lower Upper

91 100

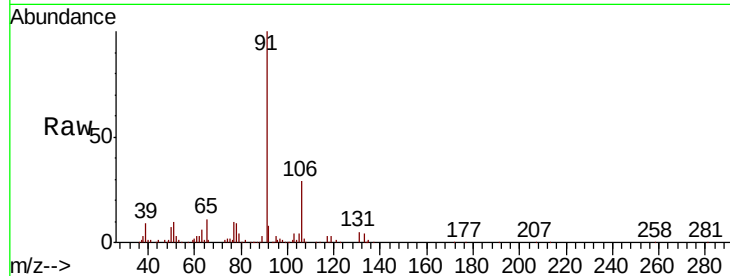
106 28.6 21.5 32.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

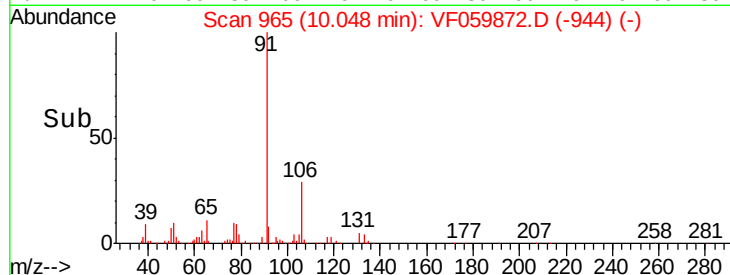
150000

100000

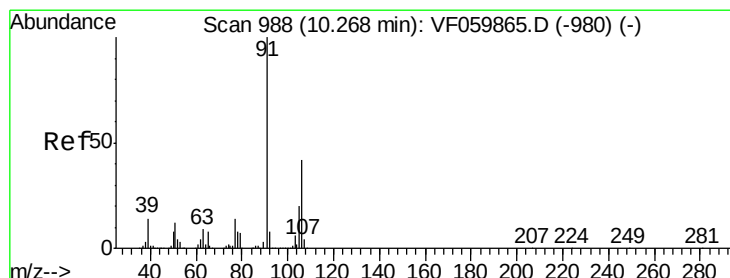
50000

0

Time-->



Time-->



#68

m/p-Xylenes

Concen: 44.46 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059872.D

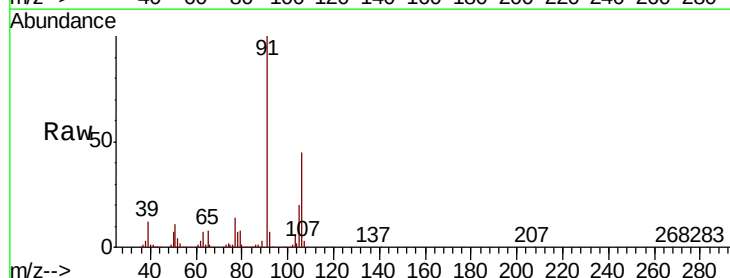
Acq: 4 Aug 2018 8:52

Tgt Ion:106 Resp: 150747

Ion Ratio Lower Upper

106 100

91 224.1 192.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

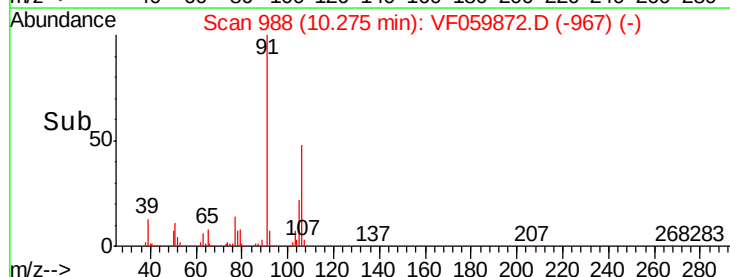
150000

100000

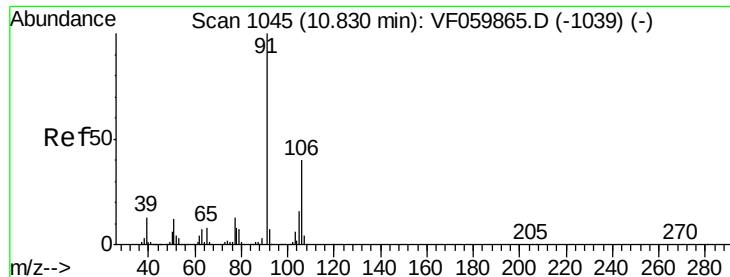
50000

0

Time-->



Time-->



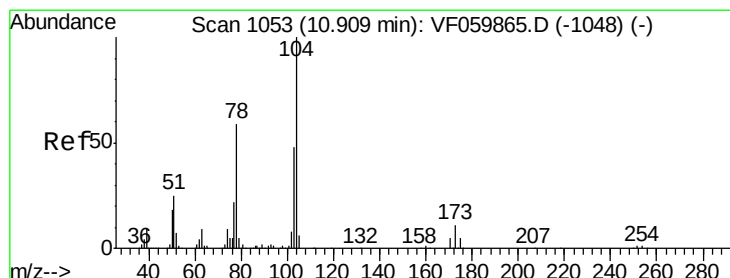
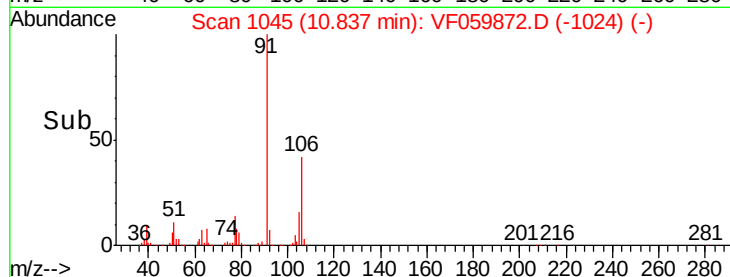
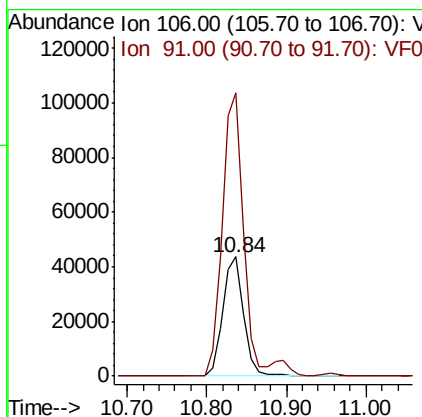
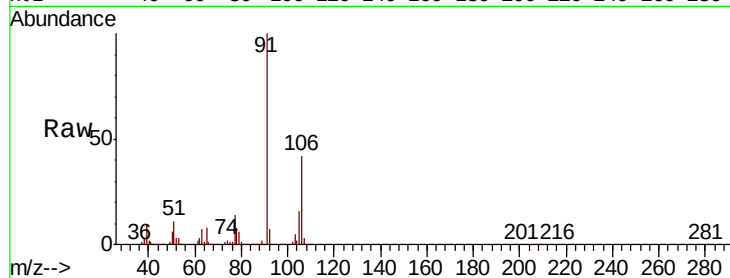
#69
o-Xylene
Concen: 22.59 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	238.0	125.4	376.2

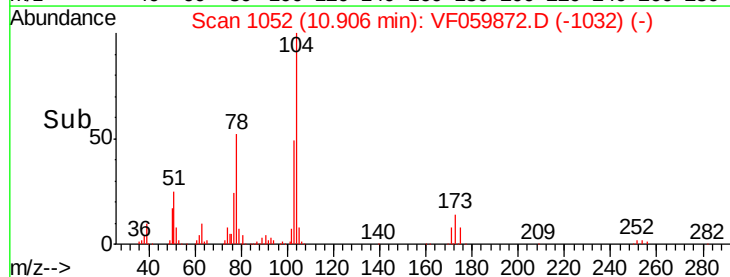
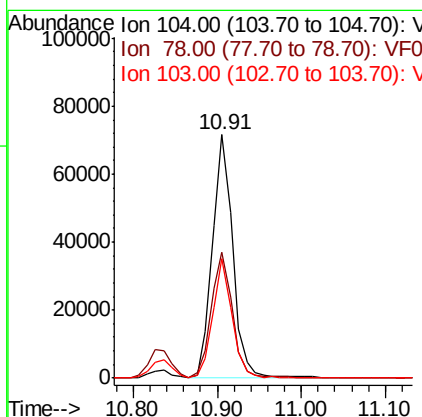
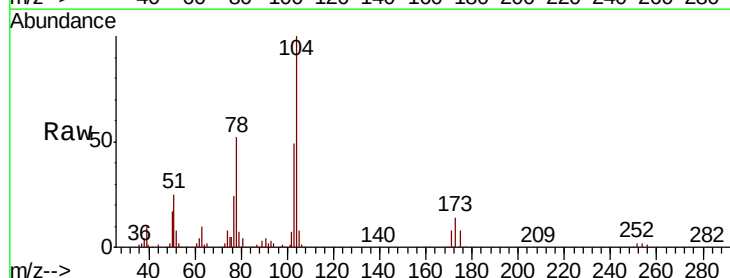
Manual Integrations
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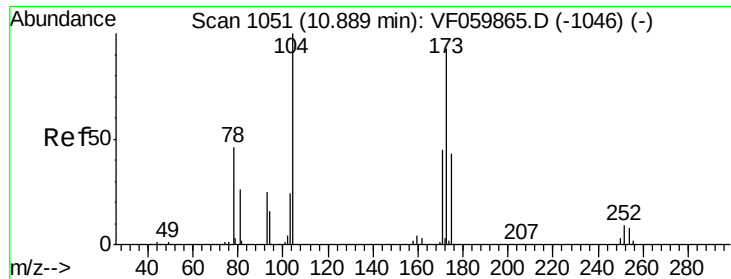
apatel
8/6/2018 10:26:26 AM



#70
Styrene
Concen: 22.44 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	47.3	70.9
103	49.0	39.0	58.4





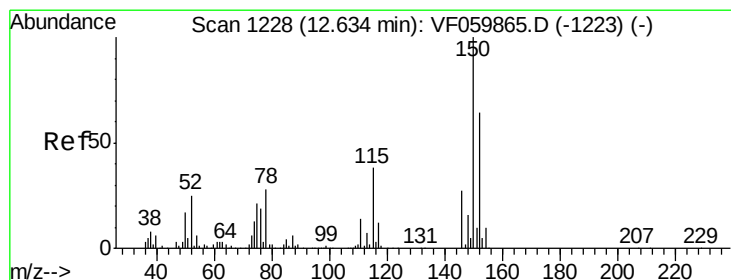
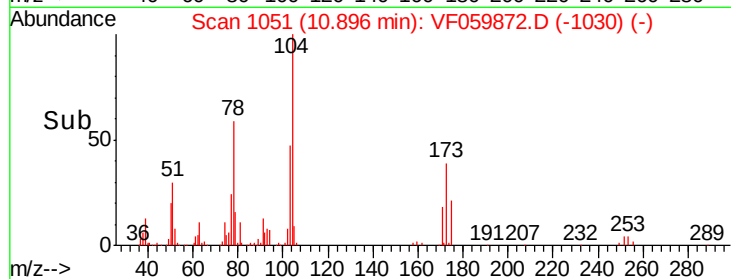
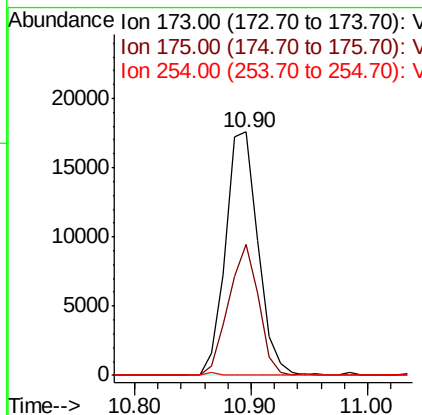
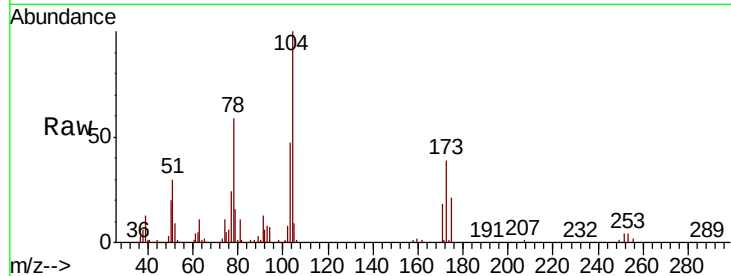
#71
Bromoform
Concen: 19.77 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.6	23.4	70.2
254	0.0	0.0	0.0

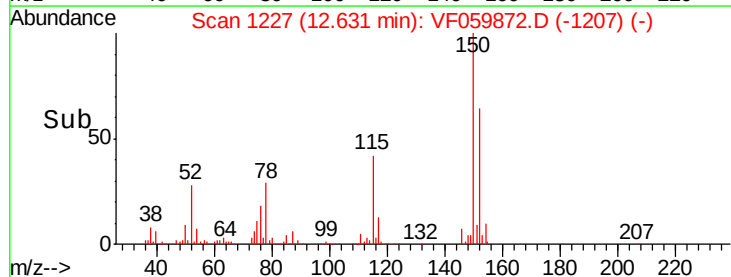
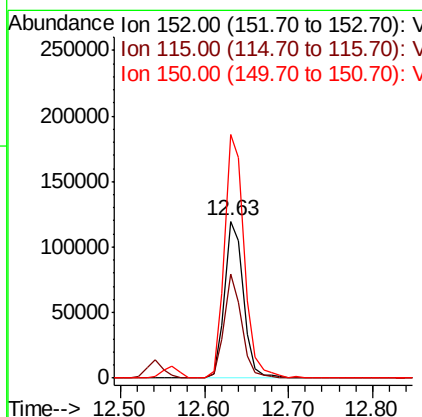
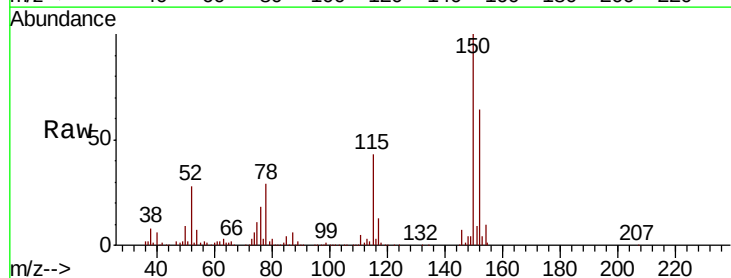
Manual Integrations
APPROVED

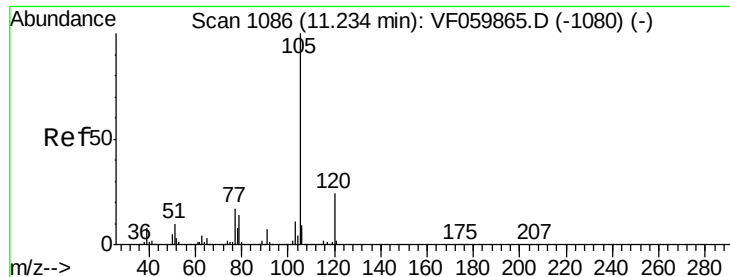
apatel
8/6/2018 10:26:26 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	29.8	89.4
150	155.1	0.0	315.6





#73

Isopropylbenzene

Concen: 21.37 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBS02

Tot Ion:105 Resp: 249612

Ion Ratio Lower Upper

105 100

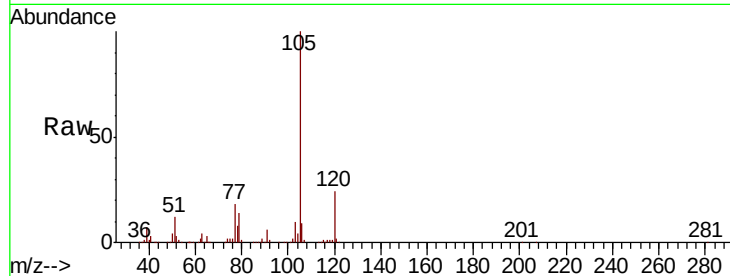
120 24.1 12.1 36.3

Manual Integrations

APPROVED

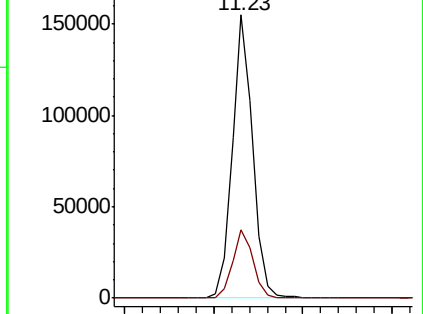
apatel

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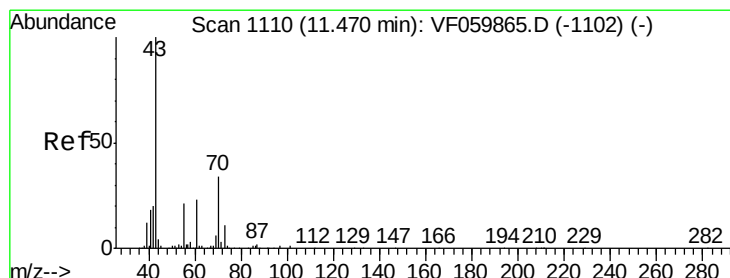
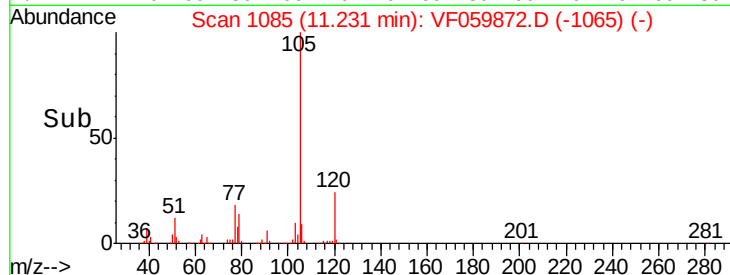


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 21.03 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion: 43 Resp: 55531

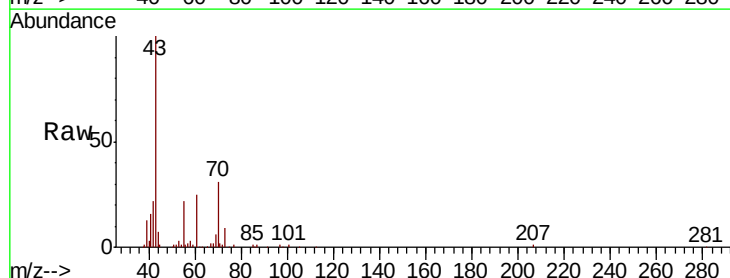
Ion Ratio Lower Upper

43 100

70 31.0 27.5 41.3

55 22.1 16.6 25.0

61 25.1 18.2 27.4

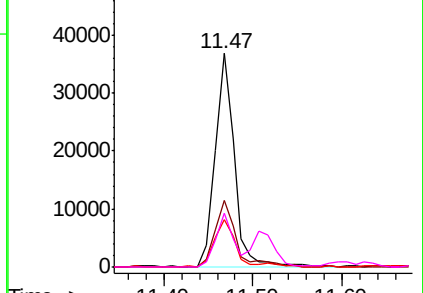


Abundance Ion 43.00 (42.70 to 43.70): VF0

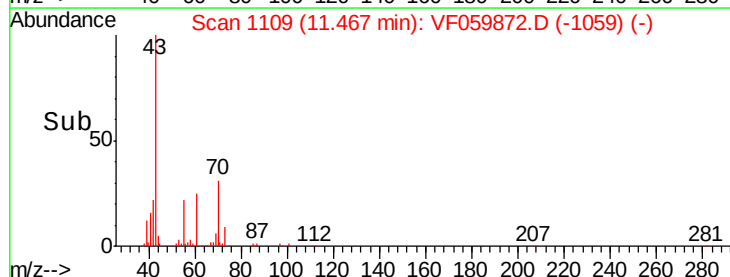
Ion 70.00 (69.70 to 70.70): VF0

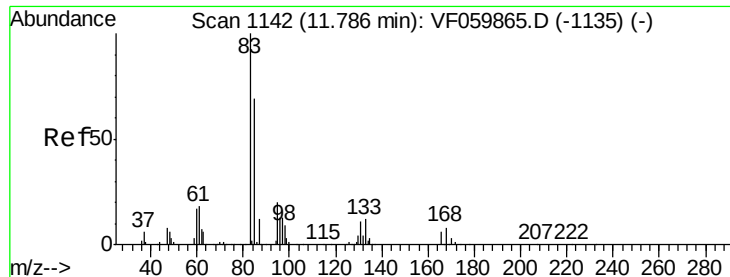
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.70 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

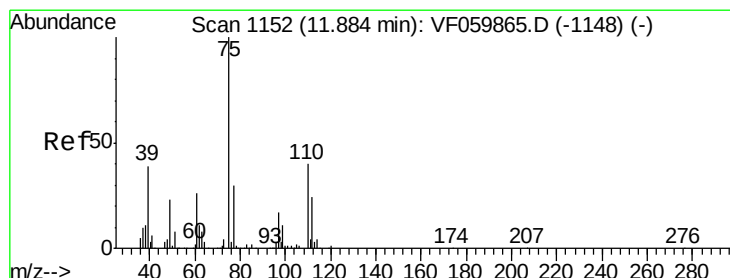
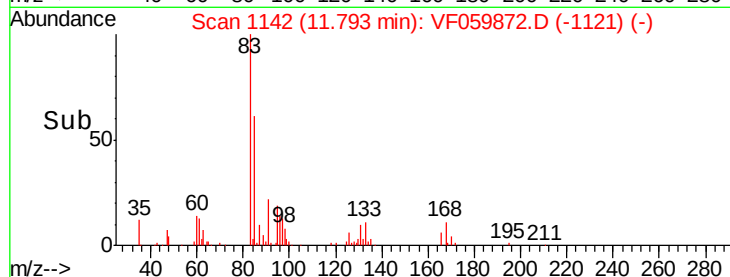
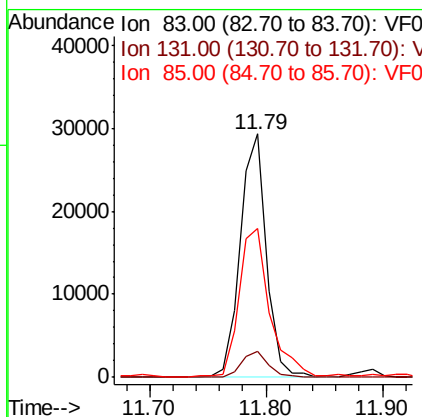
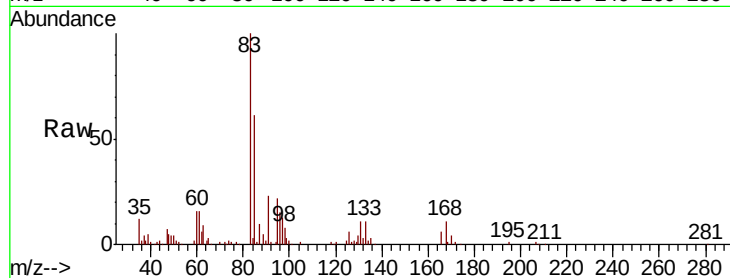
ClientSampleId :

VF0804SBS02

Tot Ion:	83	Resp:	45407
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	61.1	34.5	103.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.18 ug/l

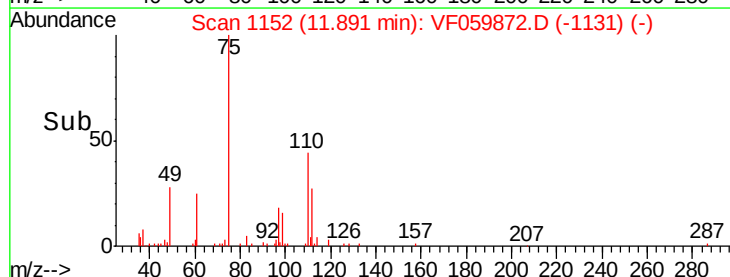
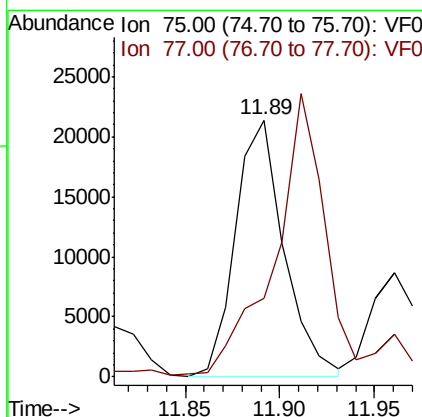
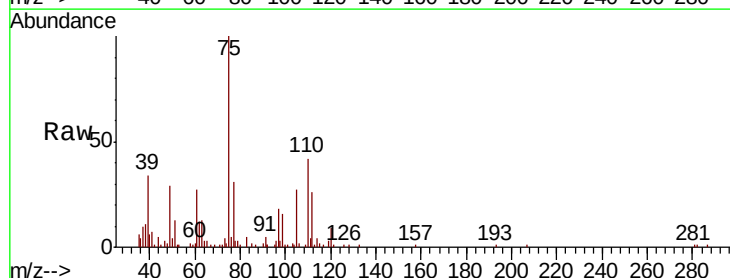
RT: 11.89 min Scan# 1152

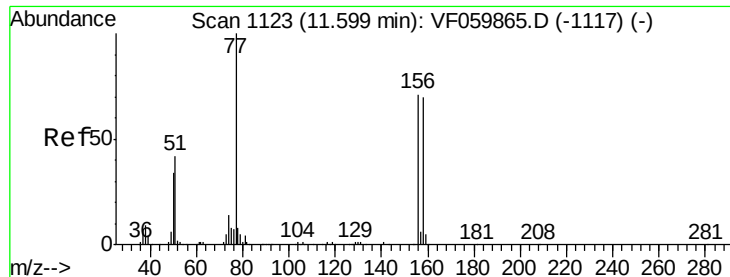
Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion:	75	Resp:	38020
Ion Ratio	Lower	Upper	
75	100		
77	30.9	15.4	46.2





#77

Bromobenzene

Concen: 20.62 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

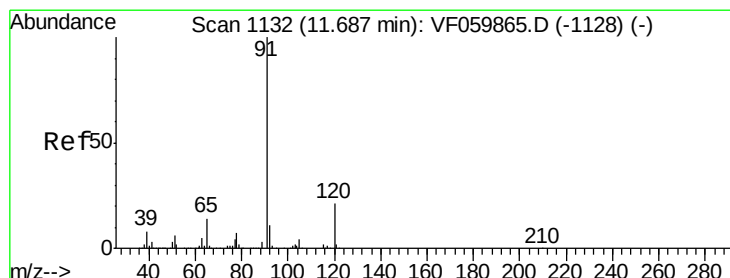
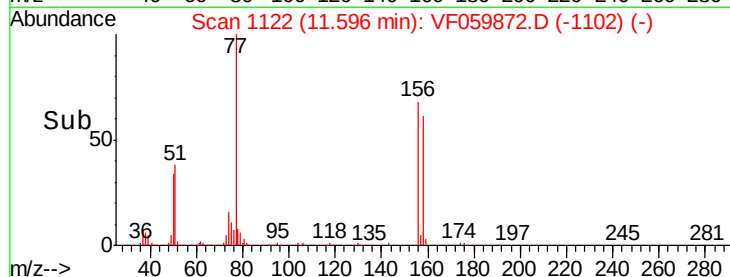
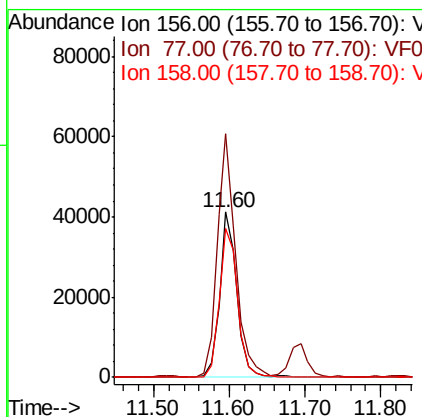
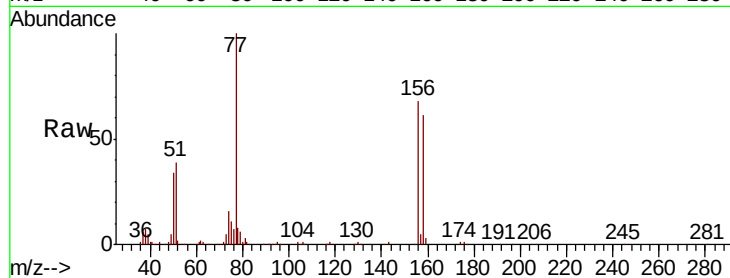
ClientSampleId :

VF0804SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		65509		
77	147.2	70.2	210.6		
158	90.1	49.2	147.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 21.63 ug/l

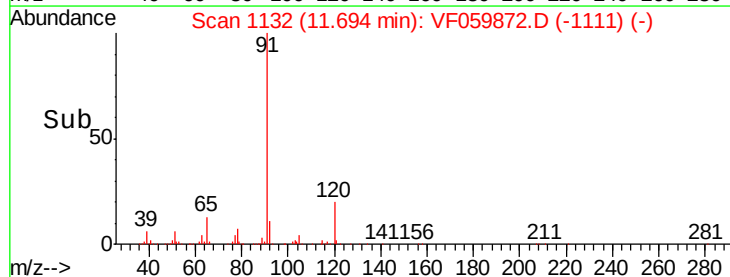
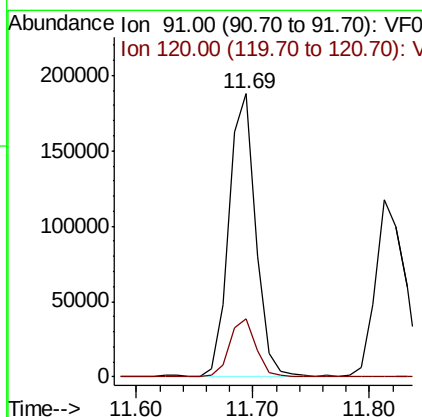
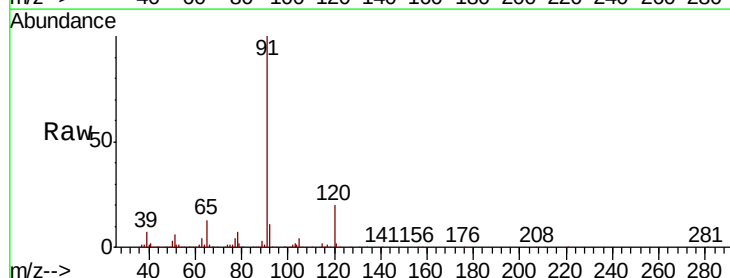
RT: 11.69 min Scan# 1132

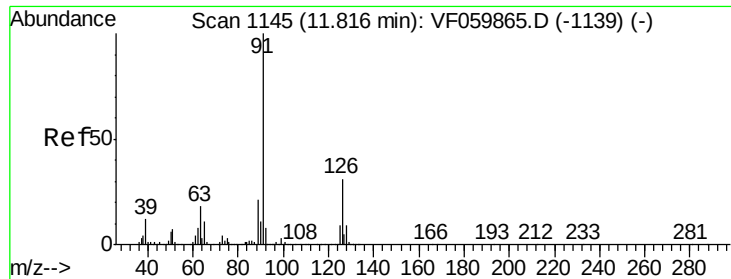
Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		298449		
120	20.4	10.4	31.2		





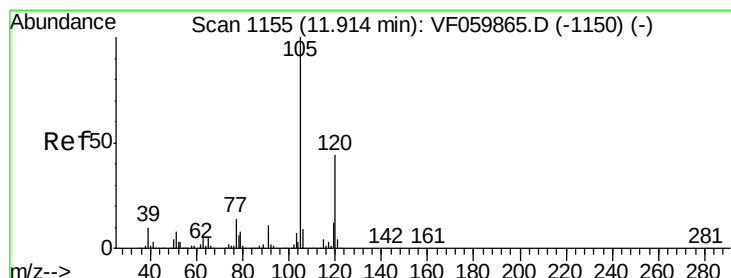
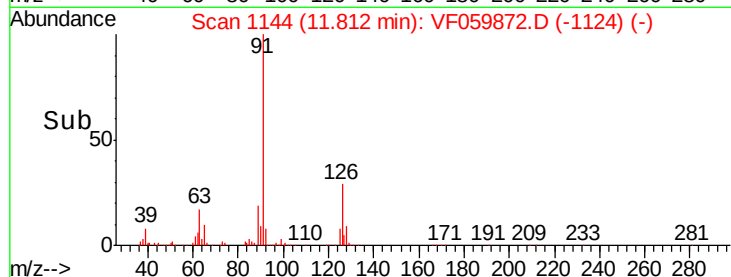
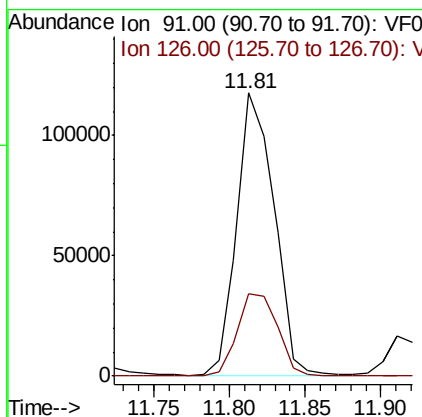
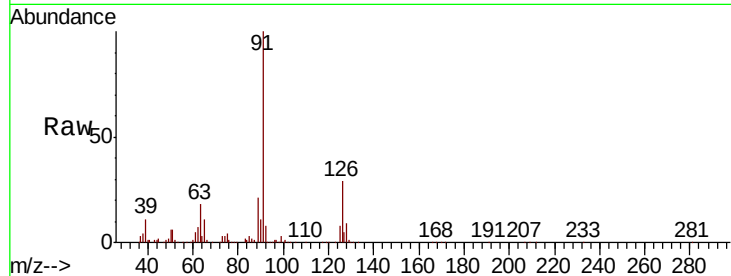
#79
 2-Chlorotoluene
 Concen: 23.05 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.9	15.6	46.7

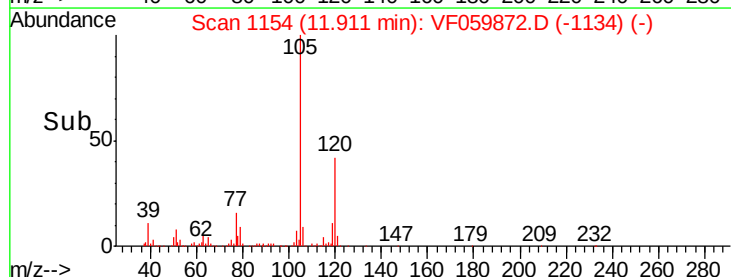
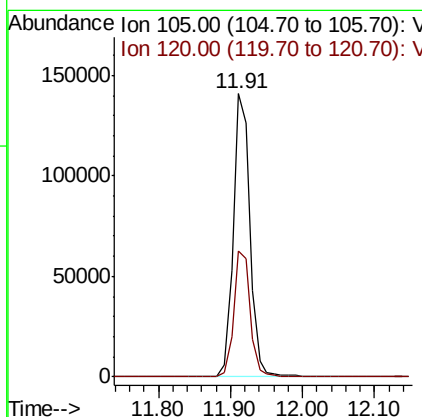
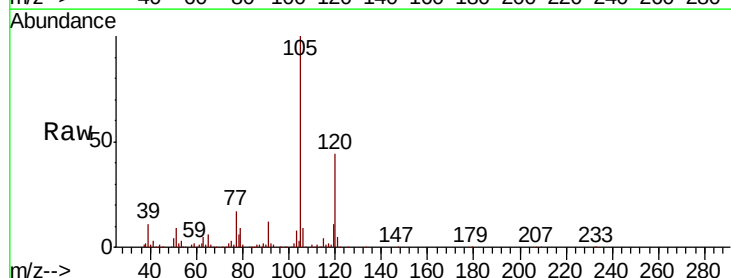
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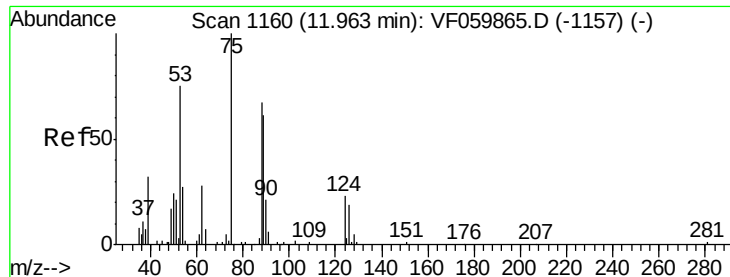
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.93 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.9	65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 22.53 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

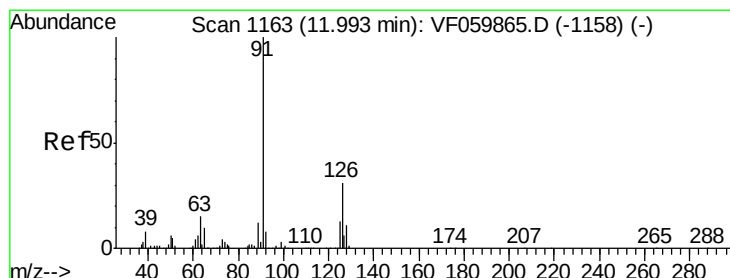
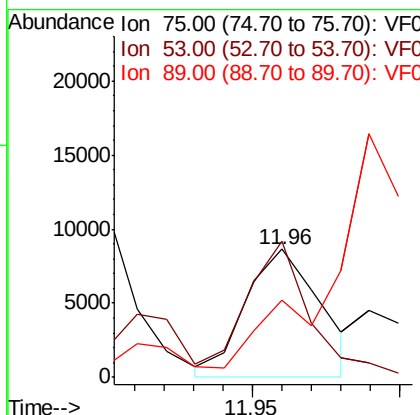
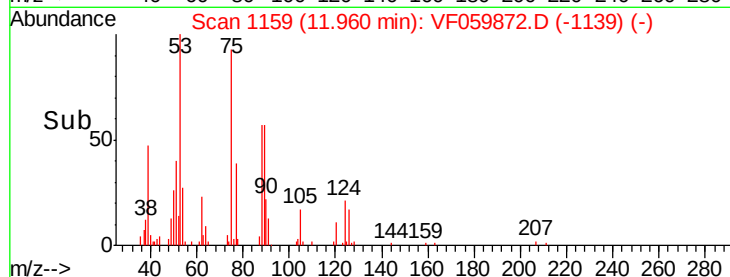
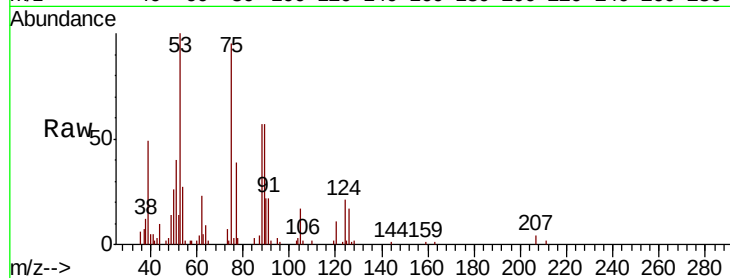
ClientSampleId :

VF0804SBSD02

Tot Ion:	75	Resp:	15242
Ion Ratio	Lower	Upper	
75	100		
53	105.8	65.9	98.9#
89	60.1	50.6	76.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.74 ug/l

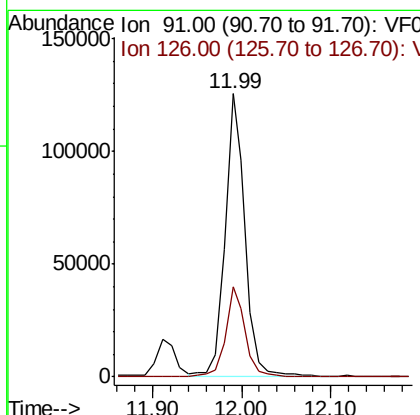
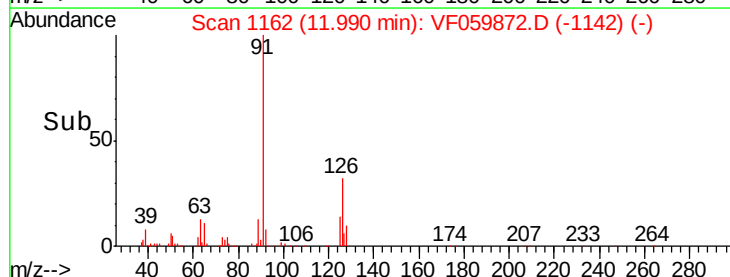
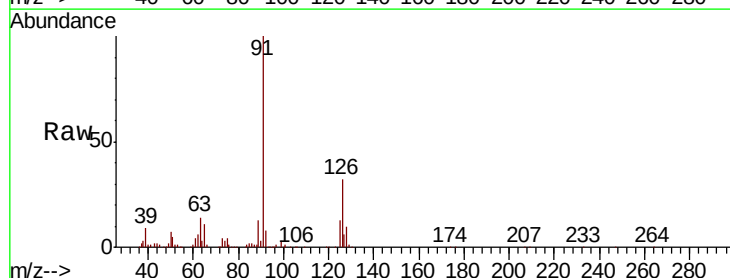
RT: 11.99 min Scan# 1162

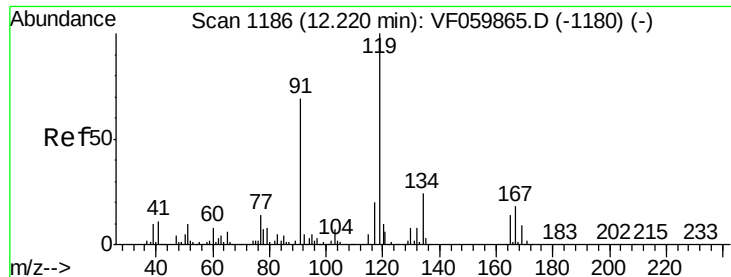
Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion:	91	Resp:	196523
Ion Ratio	Lower	Upper	
91	100		
126	31.7	15.7	47.0





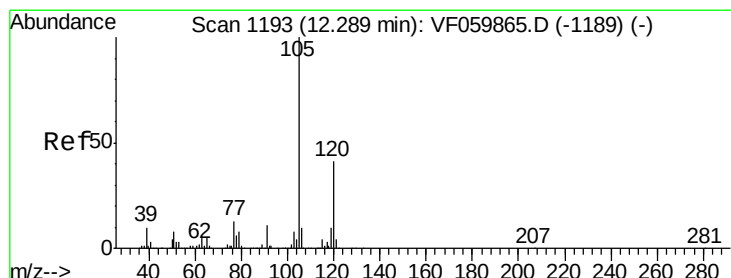
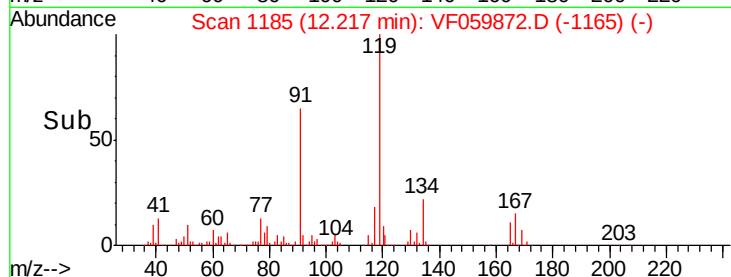
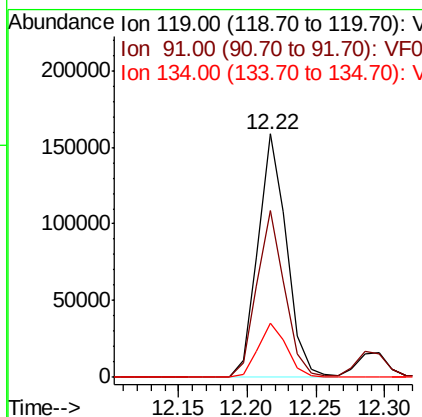
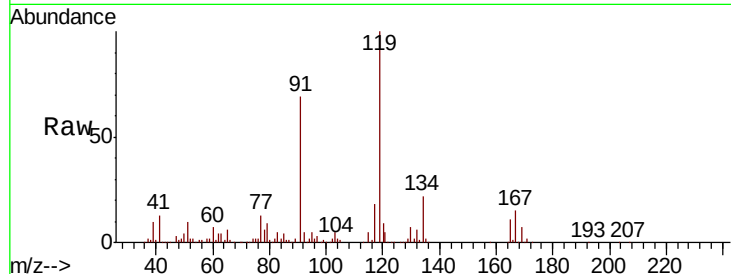
#83
 tert-Butylbenzene
 Concen: 22.00 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	232282		
91	68.6	34.4	103.2	
134	22.4	12.1	36.3	

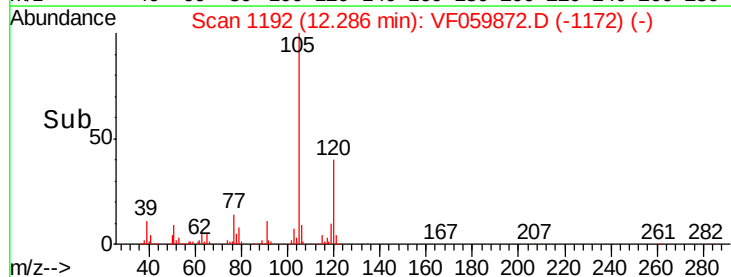
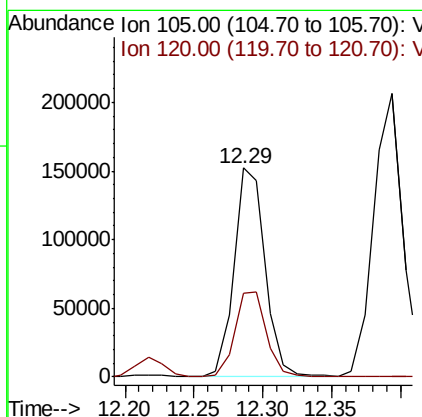
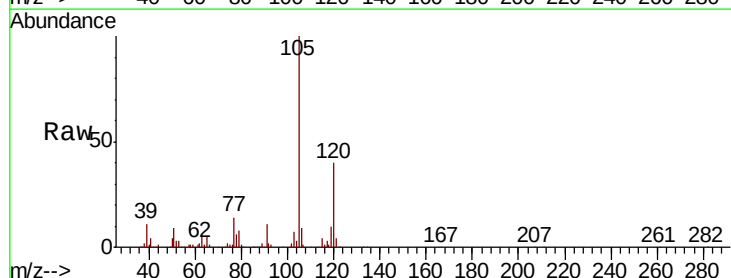
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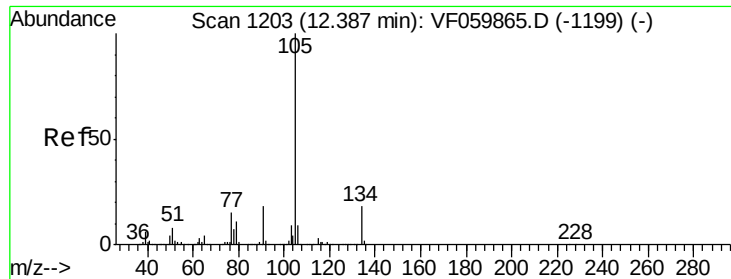
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.37 ug/l
 RT: 12.29 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	238424		
120	40.3	20.8	62.5	





#85

sec-Butylbenzene

Concen: 21.84 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

ClientSampleId :

VF0804SBSD02

Tot Ion:105 Resp: 306368

Ion Ratio Lower Upper

105 100

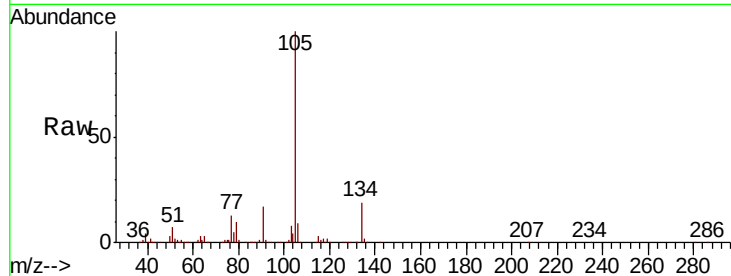
134 19.4 9.1 27.3

Manual Integrations

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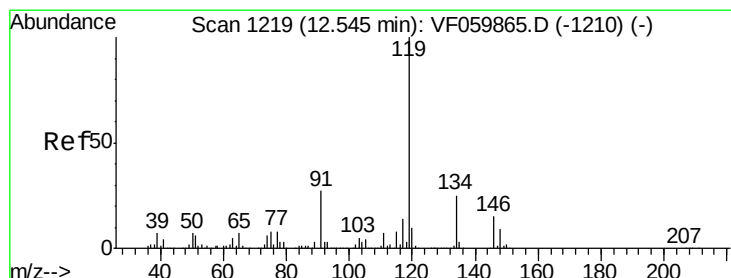
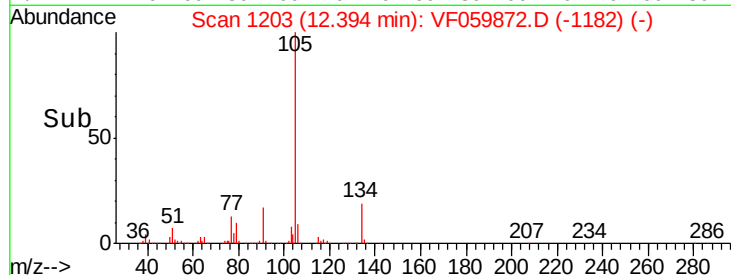
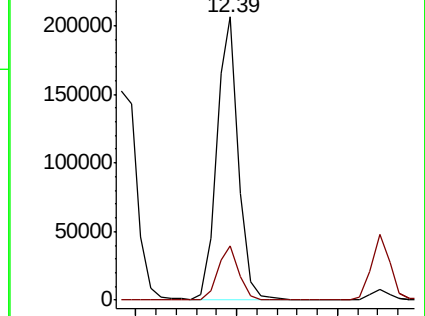
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.62 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

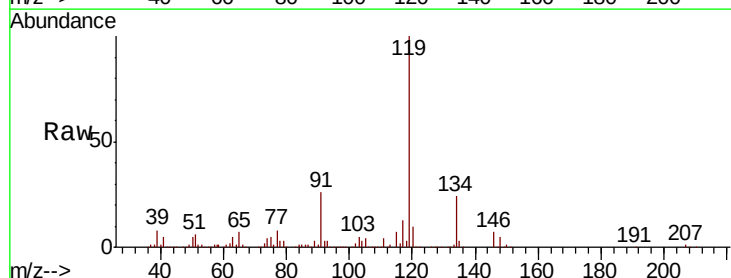
Tgt Ion:119 Resp: 266763

Ion Ratio Lower Upper

119 100

134 24.0 12.4 37.0

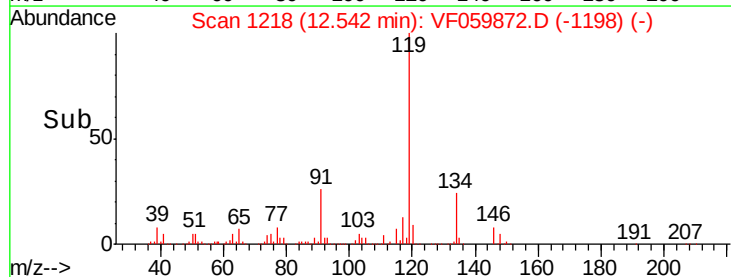
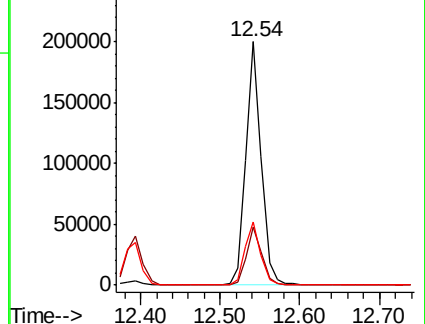
91 26.0 13.6 40.7

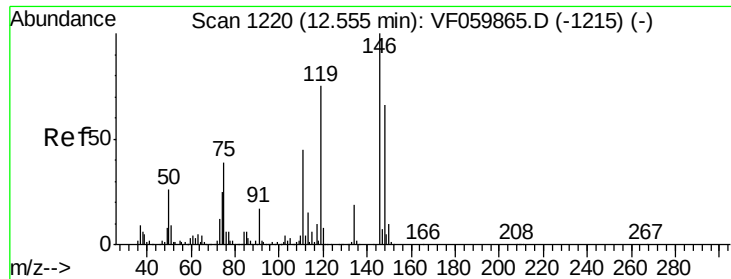


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.41 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

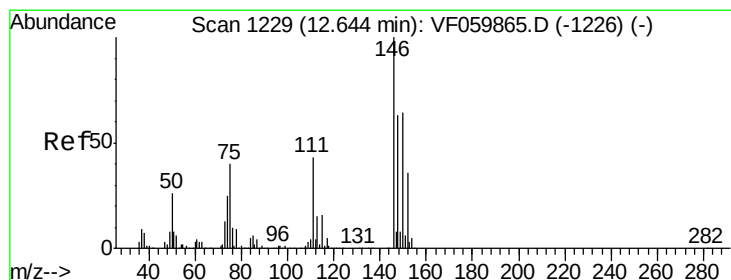
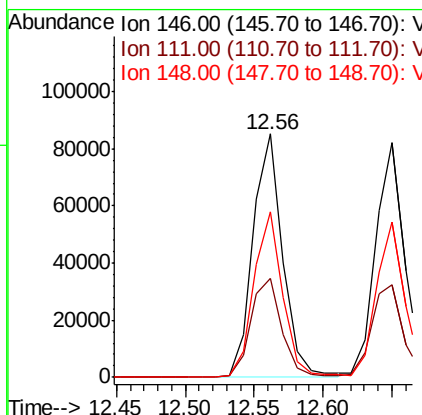
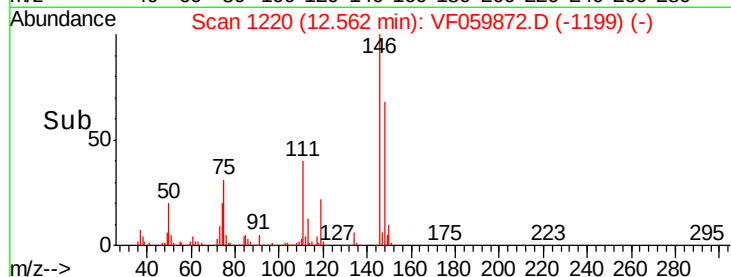
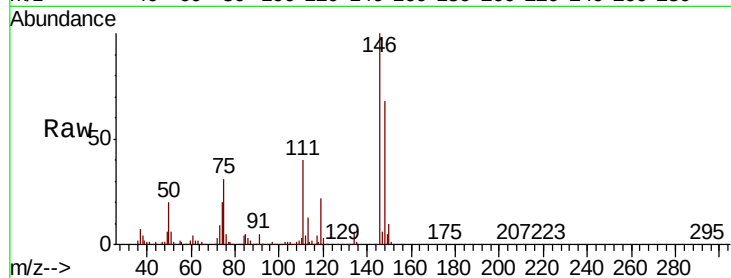
Instrument :
MSVOA_F

ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128903		
111	40.5	22.4	67.0	
148	68.1	33.1	99.3	

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#88

1,4-Dichlorobenzene

Concen: 20.55 ug/l

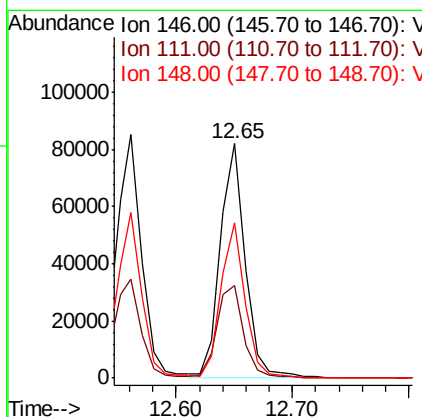
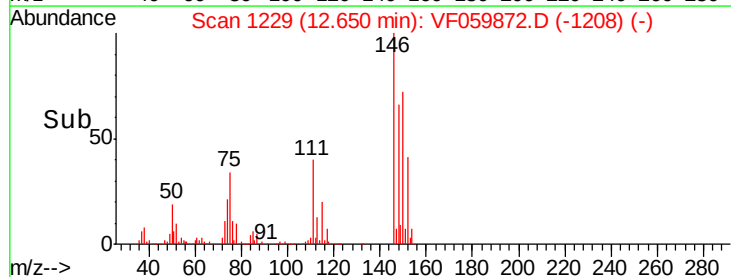
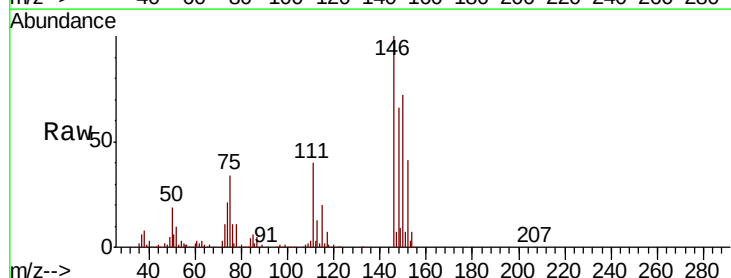
RT: 12.65 min Scan# 1229

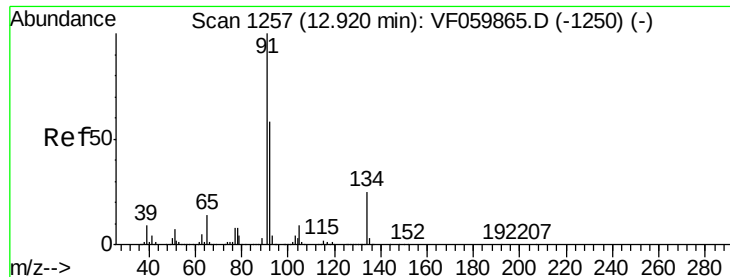
Delta R.T. 0.01 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121418		
111	39.7	21.4	64.2	
148	66.2	31.6	94.7	





#89

n-Butylbenzene

Concen: 21.60 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Instrument :

MSVOA_F

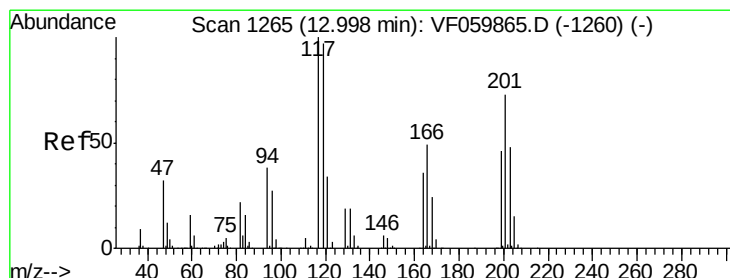
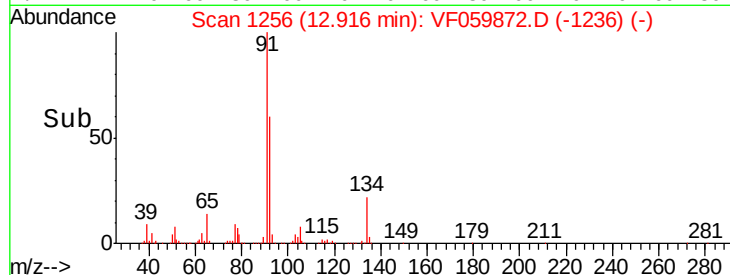
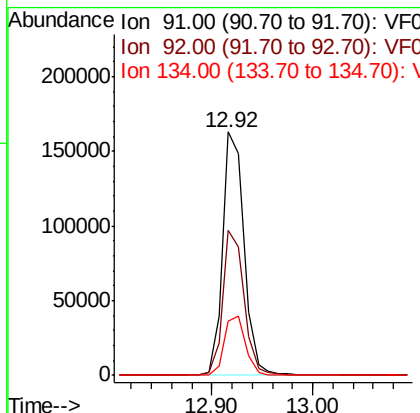
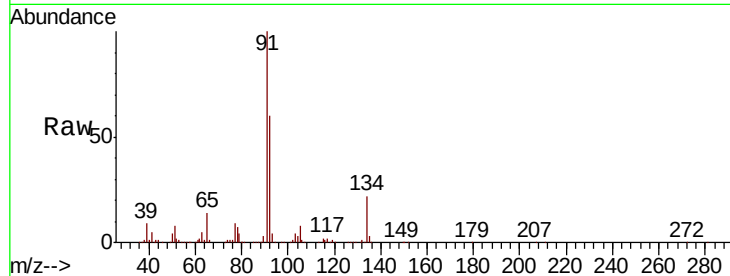
ClientSampleId :

VF0804SBS02

Tot Ion:	91	Resp:	242744
Ion Ratio	Lower	Upper	
91	100		
92	59.8	28.8	86.5
134	22.4	12.6	37.6

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#90

Hexachloroethane

Concen: 19.19 ug/l

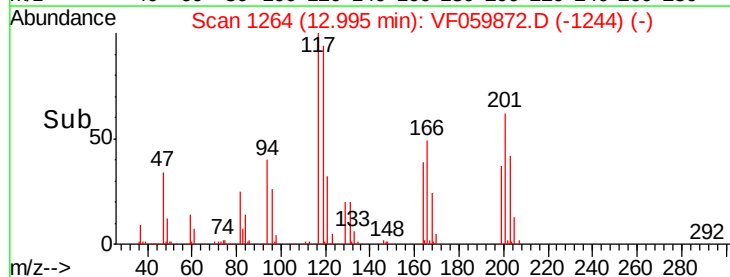
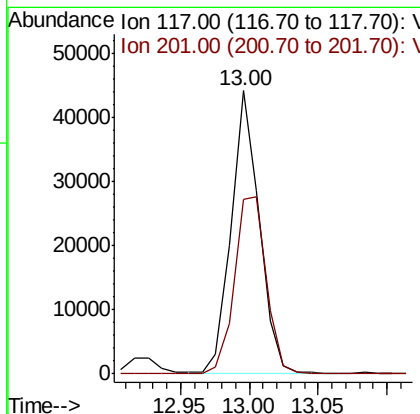
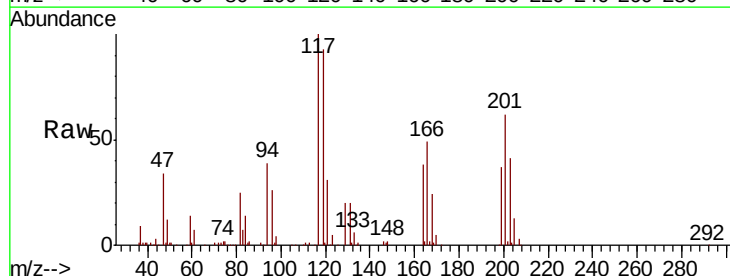
RT: 13.00 min Scan# 1264

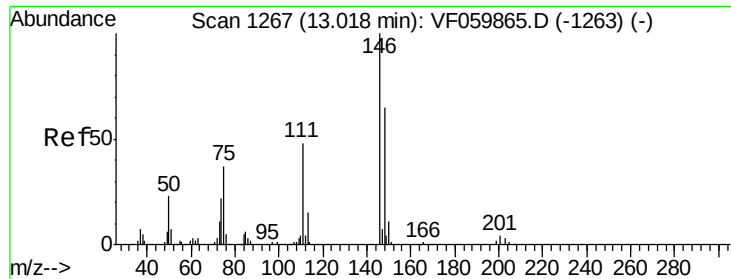
Delta R.T. -0.00 min

Lab File: VF059872.D

Acq: 4 Aug 2018 8:52

Tgt Ion:	117	Resp:	62437
Ion Ratio	Lower	Upper	
117	100		
201	61.7	36.6	109.8





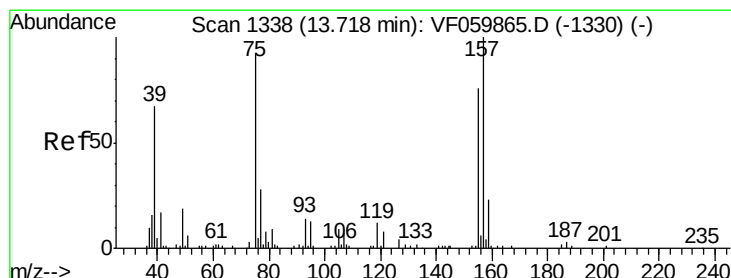
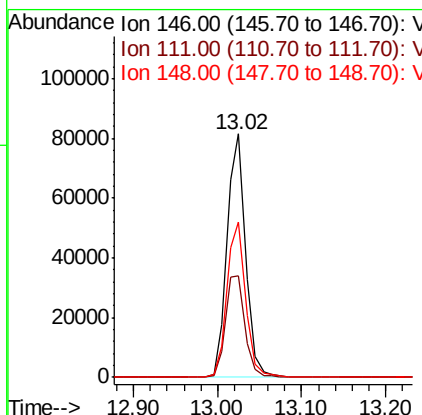
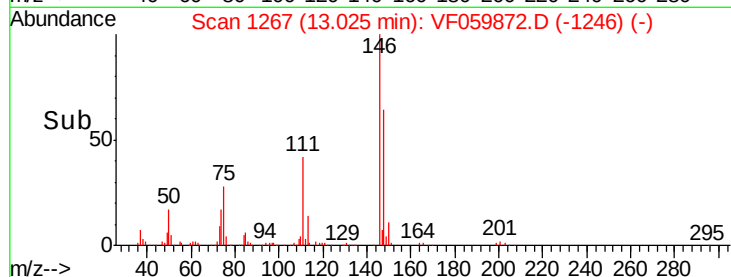
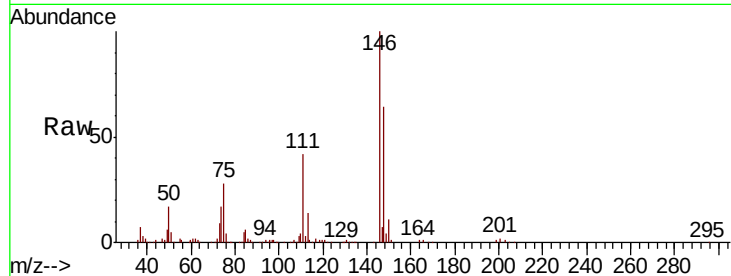
#91
 1,2-Dichlorobenzene
 Concen: 21.54 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0804SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	24.1	72.2
148	63.9	32.8	98.3

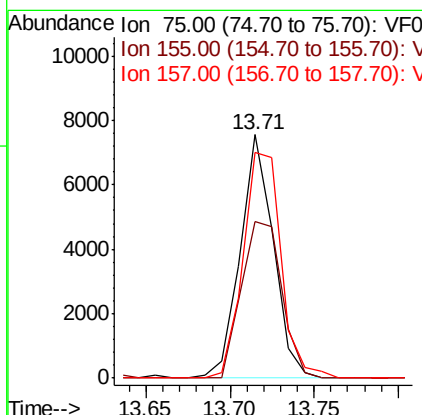
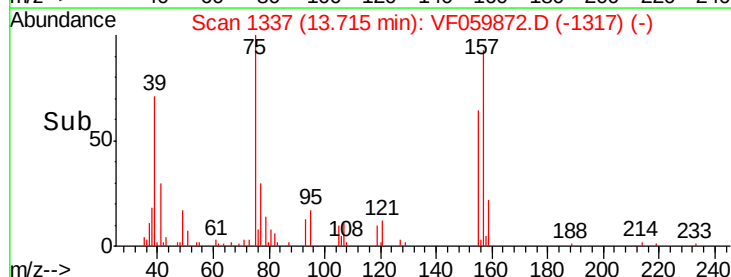
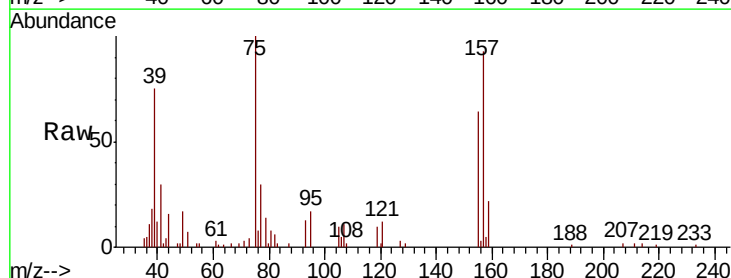
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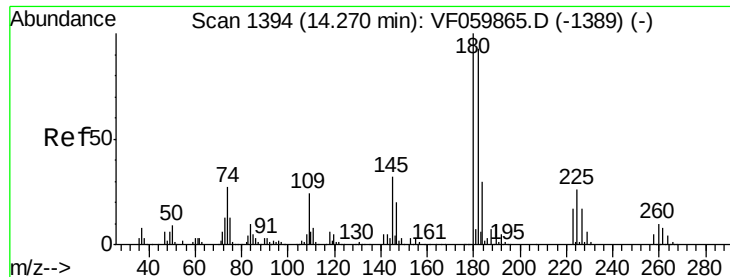
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.69 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.1	41.2	123.6
157	92.8	54.5	163.6





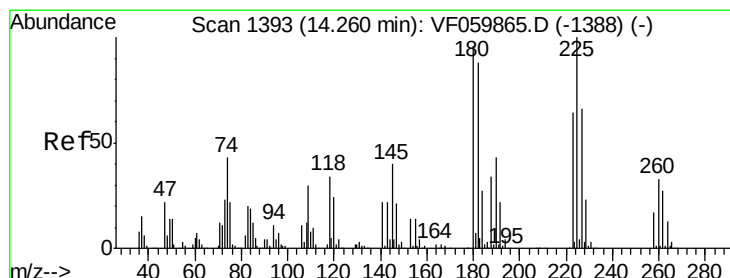
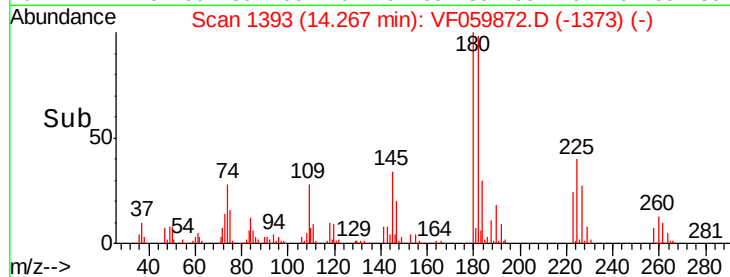
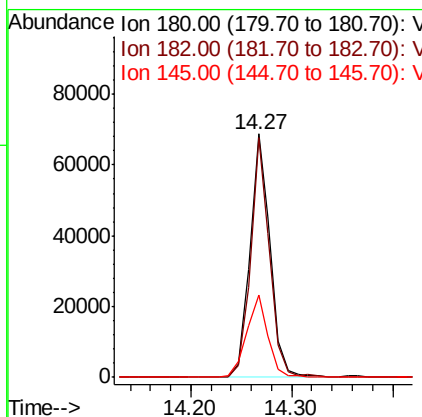
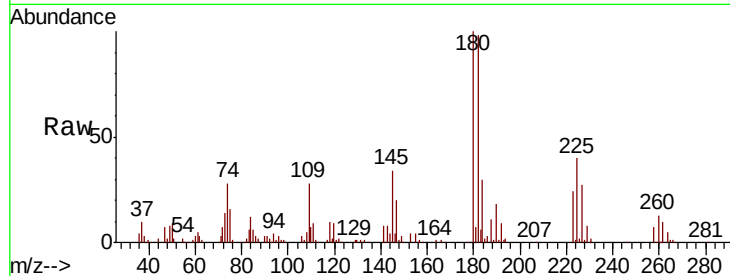
#93
 1,2,4-Trichlorobenzene
 Concen: 21.86 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0804SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96157		
182	98.5	46.4	139.2	
145	33.7	15.9	47.7	

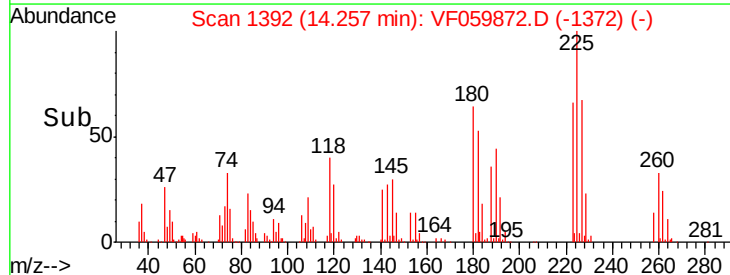
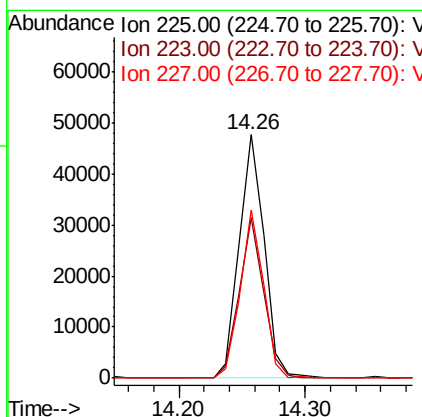
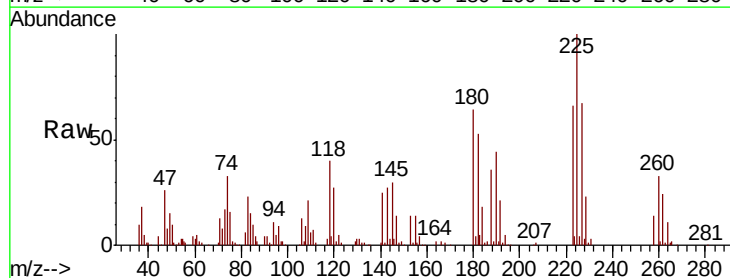
Manual Integrations
 APPROVED

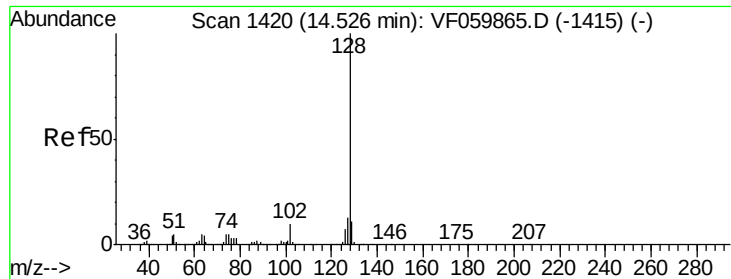
apatel
 8/6/2018 10:26:26 AM



#94
 Hexachlorobutadiene
 Concen: 21.03 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059872.D
 Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65337		
223	65.8	31.9	95.9	
227	69.3	32.8	98.4	





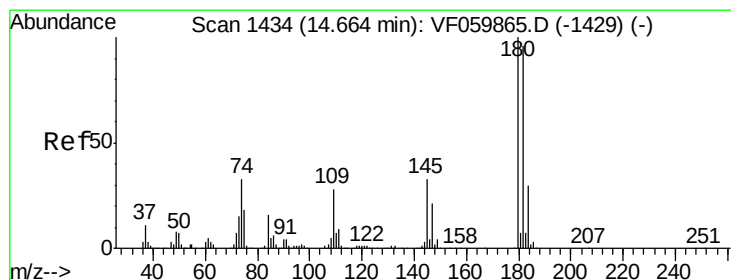
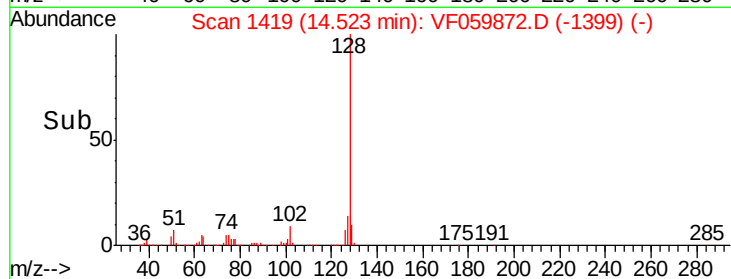
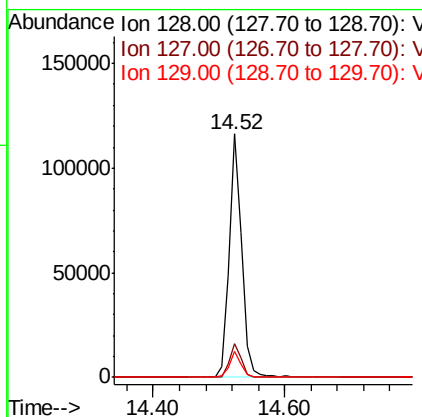
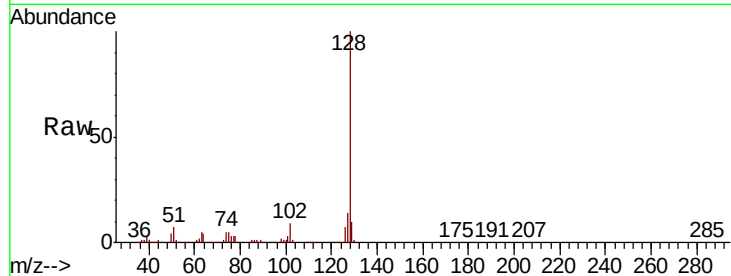
#95
Naphthalene
Concen: 20.51 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Instrument :
MSVOA_F
ClientSampleId :
VF0804SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	156200		
127	14.0		10.4	15.6
129	10.5		9.0	13.6

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 21.77 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059872.D
Acq: 4 Aug 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94535		
182	86.4		48.1	144.3
145	31.2		16.6	49.8

