

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059928.D
 Acq On : 8 Aug 2018 13:47
 Operator : VA/AP
 Sample : VF0808SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Manual Integrations
 APPROVED

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 8/9/2018 10:55:52 AM

Quant Time: Aug 09 05:48:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	99432	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	148914	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.94	117	141383	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.65	152	97194	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	101128	56.41	ug/l	0.02
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	4.32	113	78240	52.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	7.73	98	165816	52.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.52	95	96981	54.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	36288	21.36	ug/l	91
3) Chloromethane	1.09	50	17672	22.49	ug/l	91
4) Vinyl Chloride	1.15	62	16391	20.36	ug/l	95
5) Bromomethane	1.35	94	15959	21.00	ug/l	97
6) Chloroethane	1.43	64	11838	23.41	ug/l	90
7) Trichlorofluoromethane	1.54	101	49323	22.39	ug/l	89
8) Diethyl Ether	1.70	74	7631	21.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	26912	22.13	ug/l	95
10) Methyl Iodide	1.97	142	41136	22.02	ug/l	99
11) Tert butyl alcohol	2.68	59	10464	144.72	ug/l #	89
12) 1,1-Dichloroethene	1.86	96	19205	21.62	ug/l	93
13) Acrolein	2.10	56	3226	74.45	ug/l	96
14) Allyl chloride	2.20	41	28966	19.56	ug/l	100
15) Acrylonitrile	3.08	53	12539	94.64	ug/l #	73
16) Acetone	2.35	43	35281	106.61	ug/l	96
17) Carbon Disulfide	1.89	76	51438	21.69	ug/l	96
18) Methyl Acetate	2.54	43	21509	38.53	ug/l	92
19) Methyl tert-butyl Ether	2.55	73	58140	23.12	ug/l	95
20) Methylene Chloride	2.29	84	24445m	26.92	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	19848	22.50	ug/l	97
22) Diisopropyl ether	2.94	45	62717	22.02	ug/l #	95
23) Vinyl Acetate	3.35	43	156906	113.78	ug/l #	95
24) 1,1-Dichloroethane	3.02	63	45654	22.01	ug/l	97
25) 2-Butanone	4.52	43	43236	120.15	ug/l	99
26) 2,2-Dichloropropane	3.78	77	23227	19.23	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	20449	20.61	ug/l	93
28) Bromochloromethane	3.90	49	16488	22.51	ug/l	83
29) Tetrahydrofuran	4.28	42	16256	122.72	ug/l	95
30) Chloroform	4.06	83	60676	21.62	ug/l	94
31) Cyclohexane	3.88	56	23006	22.41	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	49157	21.89	ug/l	98
36) 1,1-Dichloropropene	4.47	75	32862	19.08	ug/l	99
37) Ethyl Acetate	4.32	43	18112	24.49	ug/l #	47
38) Carbon Tetrachloride	4.19	117	57593	23.36	ug/l	95

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 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)
39) Methylcyclohexane	5.64	83	25994	20.12	ug/l	97
40) Benzene	4.83	78	65121	20.22	ug/l	97
41) Methacrylonitrile	4.94	41	7905	20.25	ug/l	88
42) 1,2-Dichloroethane	5.13	62	49287	20.67	ug/l	98
43) Isopropyl Acetate	7.13	43	16045	21.07	ug/l #	99
44) Trichloroethene	5.70	130	24022	20.94	ug/l	89
45) 1,2-Dichloropropane	6.42	63	16111	20.38	ug/l	94
46) Dibromomethane	6.27	93	15951	20.00	ug/l	97
47) Bromodichloromethane	6.56	83	45721	20.96	ug/l	93
48) Methyl methacrylate	6.89	41	13265	22.39	ug/l	92
49) 1,4-Dioxane	6.90	88	2075	528.73	ug/l #	74
51) 4-Methyl-2-Pentanone	8.43	43	89902	115.46	ug/l	95
52) Toluene	7.80	92	46434	21.34	ug/l	91
53) t-1,3-Dichloropropene	8.45	75	36682	22.11	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	34446	20.11	ug/l	91
55) 1,1,2-Trichloroethane	8.65	97	16359	20.89	ug/l	96
56) Ethyl methacrylate	8.78	69	16738	21.54	ug/l	91
57) 1,3-Dichloropropane	9.02	76	30304	22.54	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.80	63	11232	108.41	ug/l	100
59) 2-Hexanone	9.65	43	63733	115.87	ug/l	99
60) Dibromochloromethane	8.88	129	30873	21.01	ug/l	94
61) 1,2-Dibromoethane	9.16	107	21332	22.36	ug/l	86
64) Tetrachloroethene	8.33	164	28712	23.54	ug/l	95
65) Chlorobenzene	9.95	112	62030	21.62	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.09	131	30890	21.64	ug/l	97
67) Ethyl Benzene	10.06	91	115365	23.08	ug/l	95
68) m/p-Xylenes	10.29	106	75941	43.94	ug/l	100
69) o-Xylene	10.84	106	41651	22.75	ug/l	98
70) Styrene	10.92	104	65113	23.83	ug/l	99
71) Bromoform	10.91	173	20008	22.87	ug/l	90
73) Isopropylbenzene	11.25	105	132696	21.92	ug/l	96
74) N-amyl acetate	11.47	43	27596	20.29	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.80	83	24963	21.96	ug/l	88
76) 1,2,3-Trichloropropane	11.90	75	20104	20.59	ug/l	87
77) Bromobenzene	11.61	156	36473	22.15	ug/l	99
78) n-propylbenzene	11.70	91	159540	22.32	ug/l	99
79) 2-Chlorotoluene	11.83	91	100217	22.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.93	105	125735	22.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.98	75	6535m	18.64	ug/l	
82) 4-Chlorotoluene	12.01	91	107597	21.91	ug/l	99
83) tert-Butylbenzene	12.23	119	124730	22.79	ug/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	130472	22.57	ug/l	98
85) sec-Butylbenzene	12.40	105	159494	21.94	ug/l	98
86) p-Isopropyltoluene	12.55	119	128171	20.97	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	69676	22.34	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	68328	22.31	ug/l	99
89) n-Butylbenzene	12.93	91	129732	22.28	ug/l	99
90) Hexachloroethane	13.01	117	35129	20.83	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	67817	22.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6643	23.18	ug/l	97

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ClientSampleId :
VF0808SBSD01

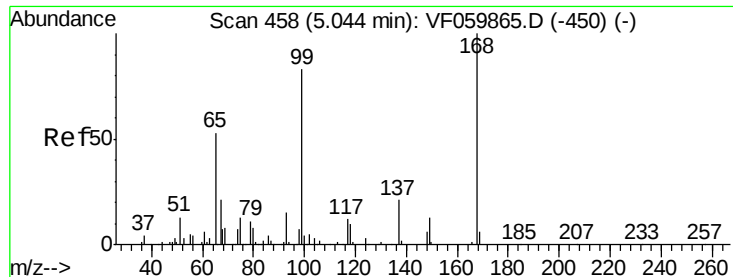
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	52872	23.20	ug/l	96
94) Hexachlorobutadiene	14.27	225	35457	22.02	ug/l	96
95) Naphthalene	14.54	128	94386	23.92	ug/l	99
96) 1,2,3-Trichlorobenzene	14.69	180	52237	23.21	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion:168 Resp: 99432

Ion Ratio Lower Upper

168 100

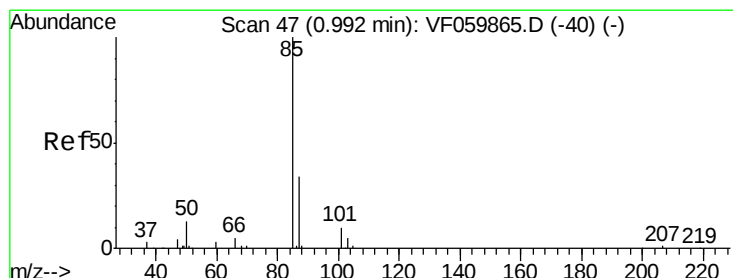
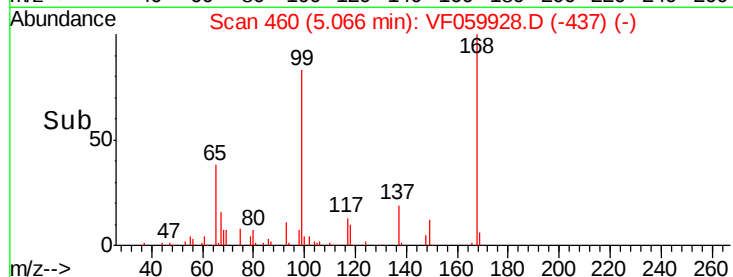
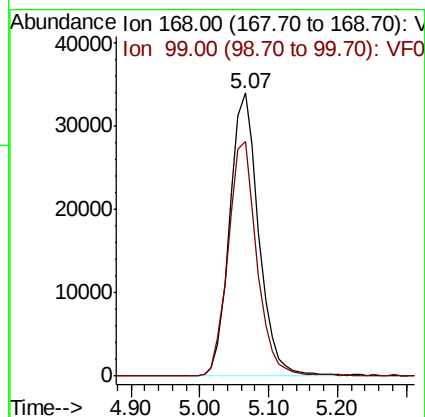
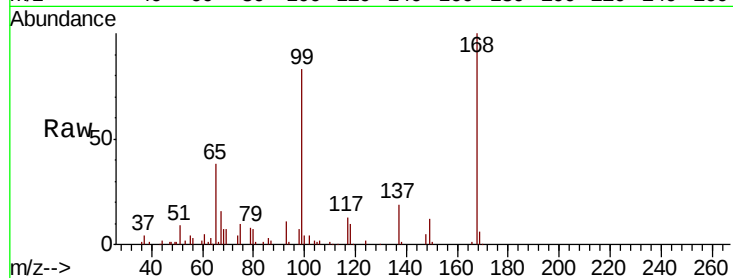
99 82.9 66.3 99.5

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#2

Dichlorodifluoromethane

Concen: 21.36 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF059928.D

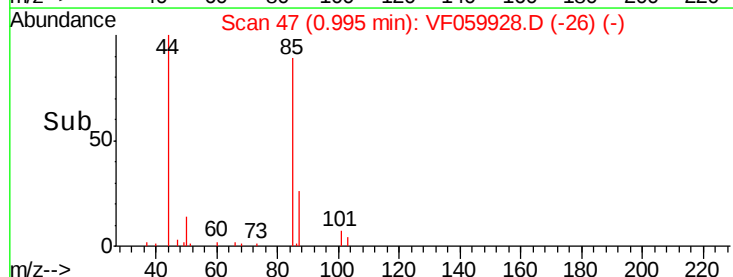
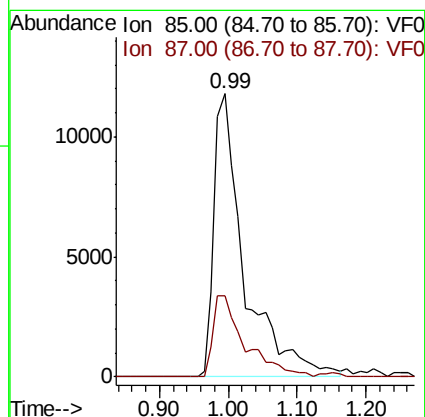
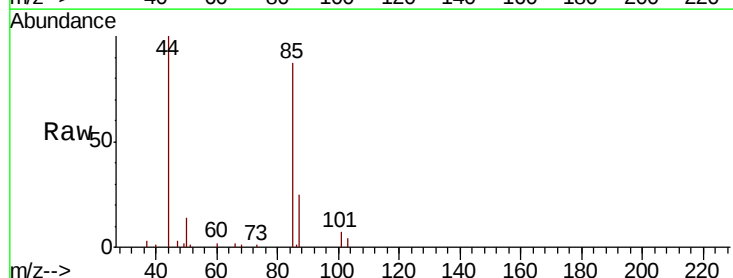
Acq: 8 Aug 2018 13:47

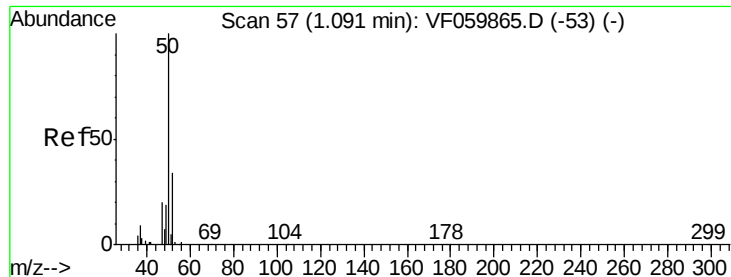
Tgt Ion: 85 Resp: 36288

Ion Ratio Lower Upper

85 100

87 28.9 16.9 50.7





#3

Chloromethane

Concen: 22.49 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion: 50 Resp: 17672

Ion Ratio Lower Upper

50 100

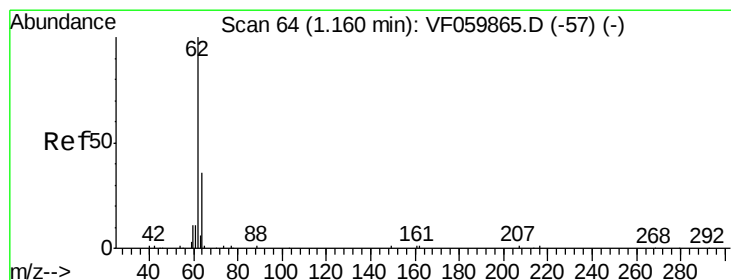
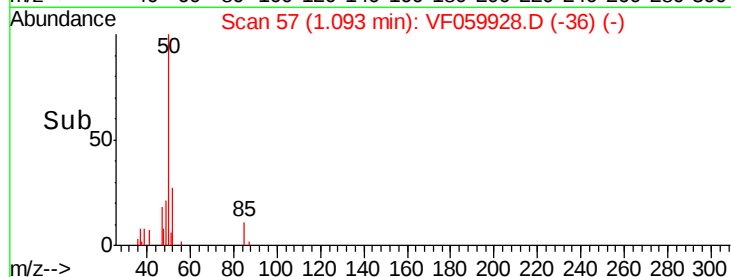
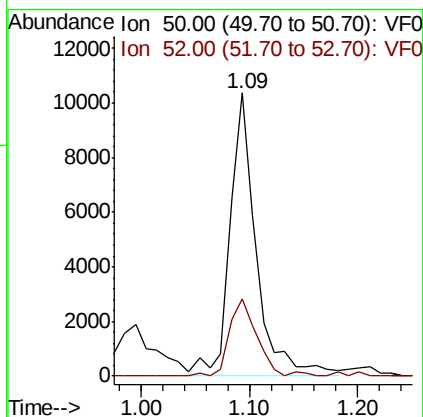
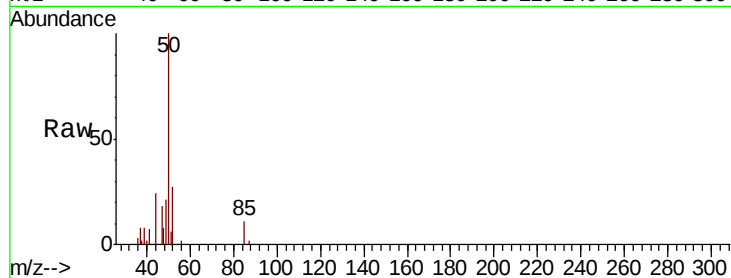
52 27.3 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.36 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059928.D

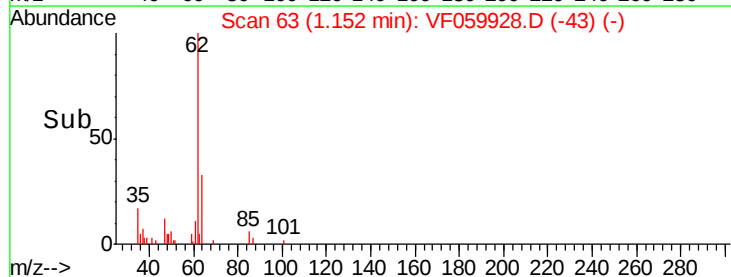
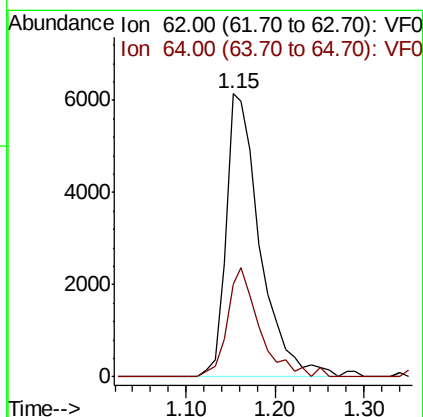
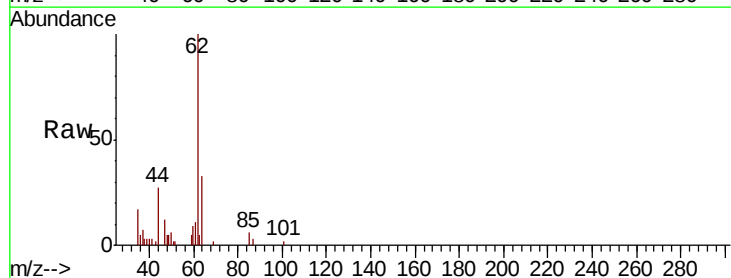
Acq: 8 Aug 2018 13:47

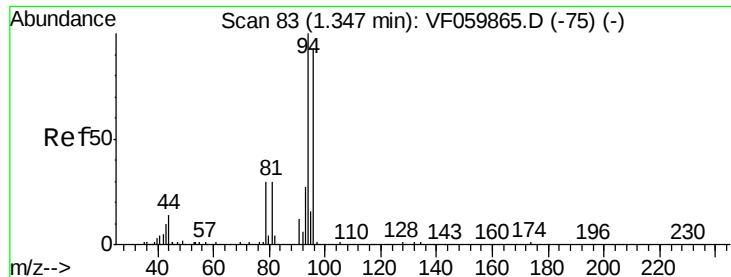
Tgt Ion: 62 Resp: 16391

Ion Ratio Lower Upper

62 100

64 32.6 28.5 42.7





#5

Bromomethane

Concen: 21.00 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion: 94 Resp: 15959

Ion Ratio Lower Upper

94 100

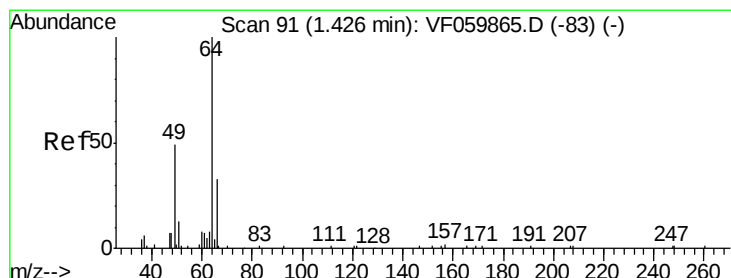
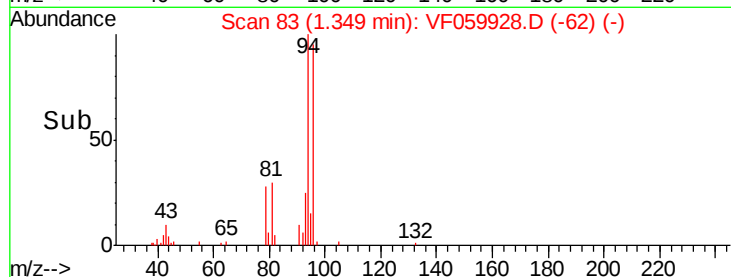
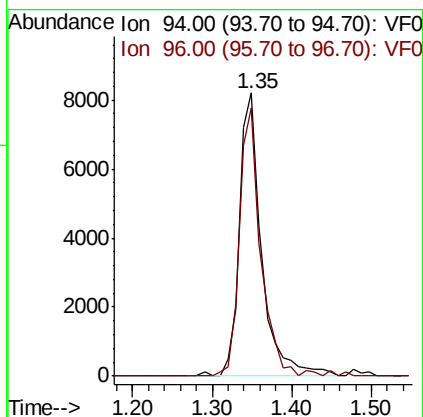
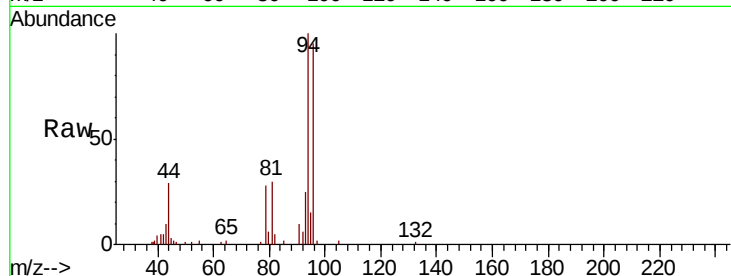
96 94.8 73.8 110.8

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#6

Chloroethane

Concen: 23.41 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059928.D

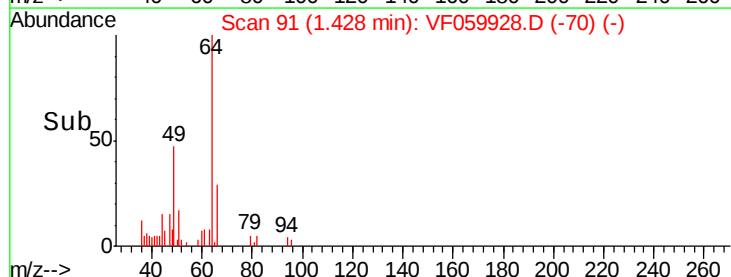
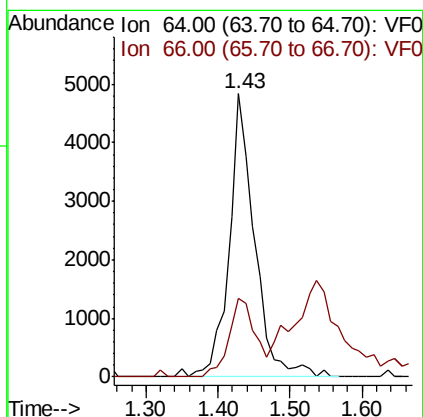
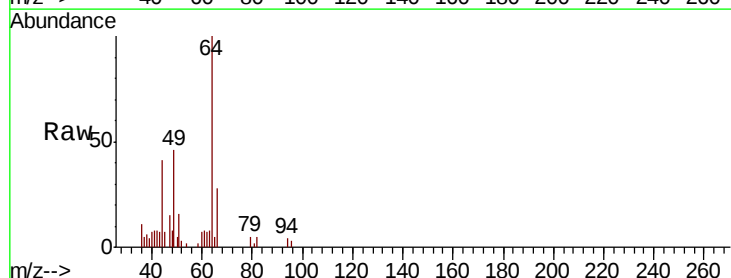
Acq: 8 Aug 2018 13:47

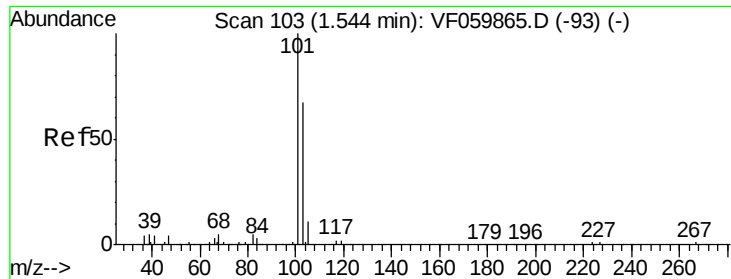
Tgt Ion: 64 Resp: 11838

Ion Ratio Lower Upper

64 100

66 27.9 26.9 40.3





#7

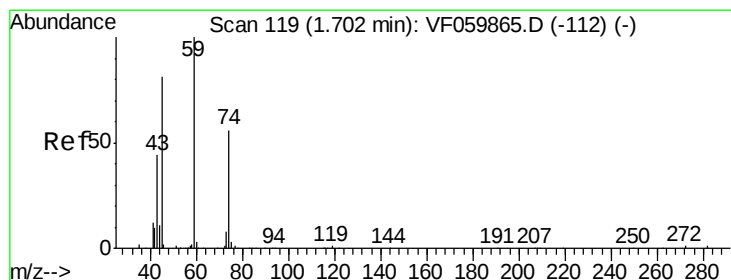
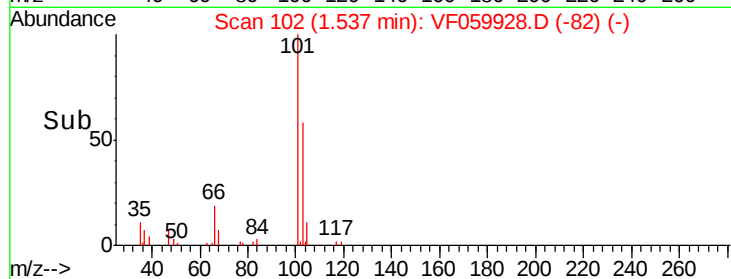
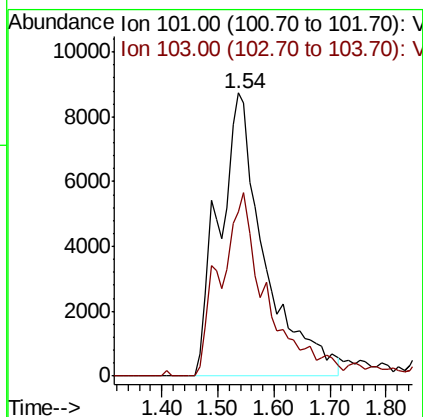
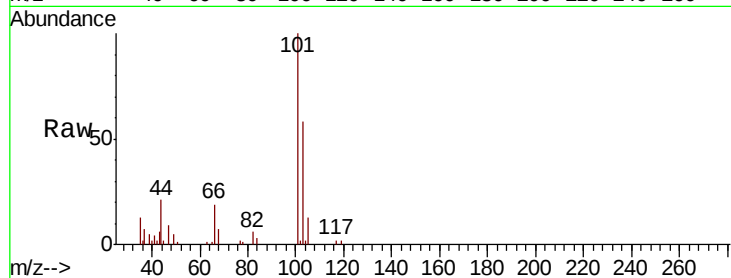
Trichlorofluoromethane
 Concen: 22.39 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. -0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
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 ClientSampleId :
 VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.2	53.6	80.4

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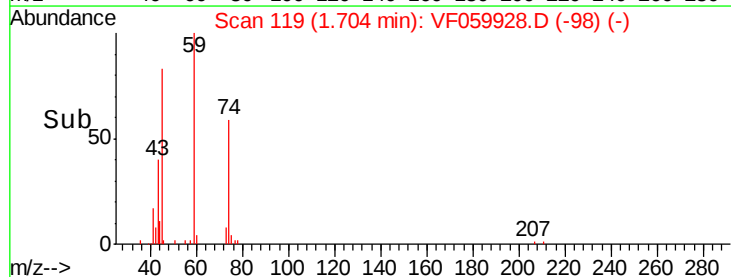
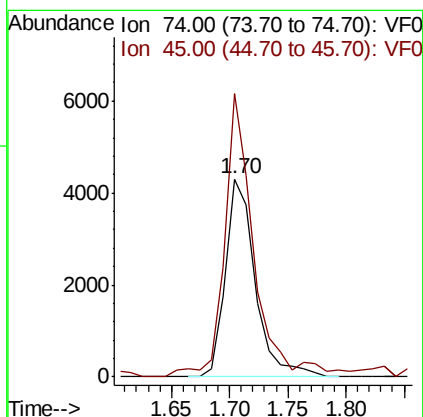
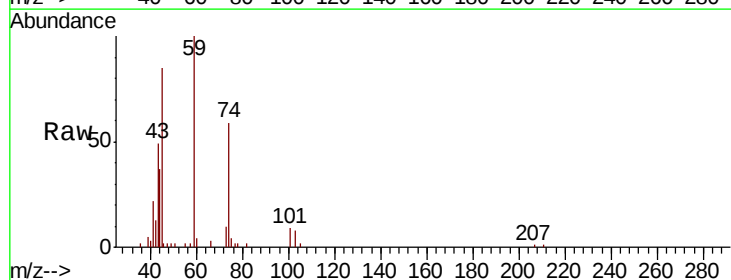
apatel
 8/9/2018 10:55:52 AM

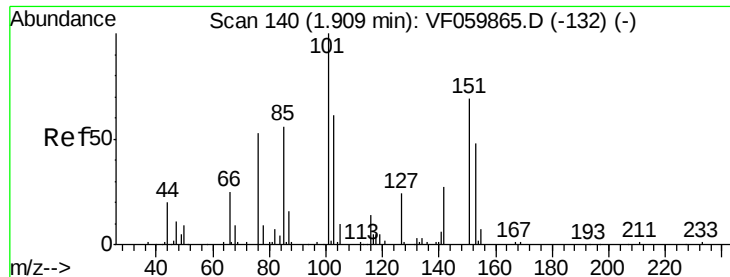


#8

Diethyl Ether
 Concen: 21.82 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	142.8	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.13 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

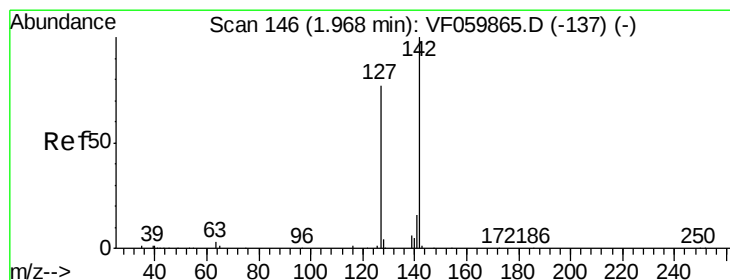
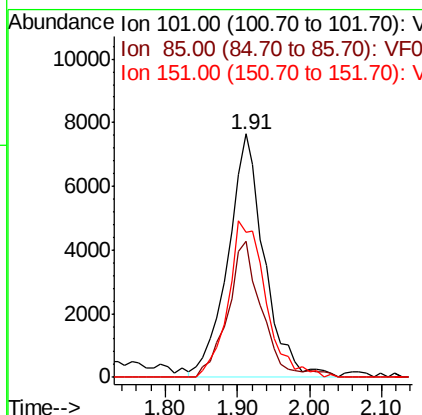
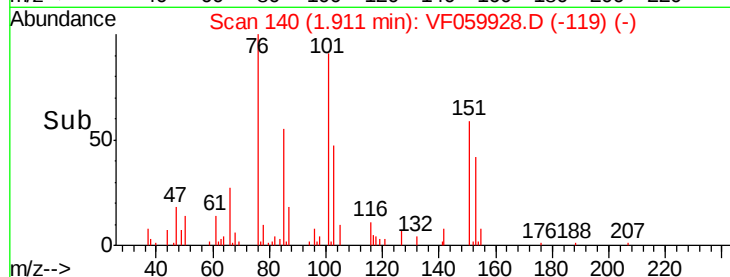
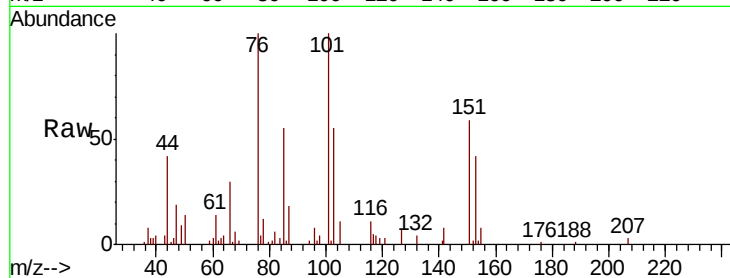
ClientSampleId :

VF0808SBSD01

Tot Ion:	101	Resp:	26912
Ion Ratio	Lower	Upper	
101	100		
85	55.6	44.5	66.7
151	59.5	53.8	80.8

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#10

Methyl Iodide

Concen: 22.02 ug/l

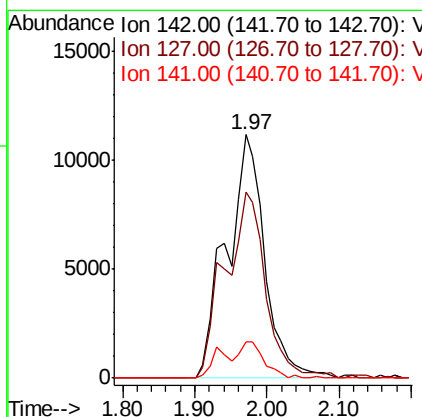
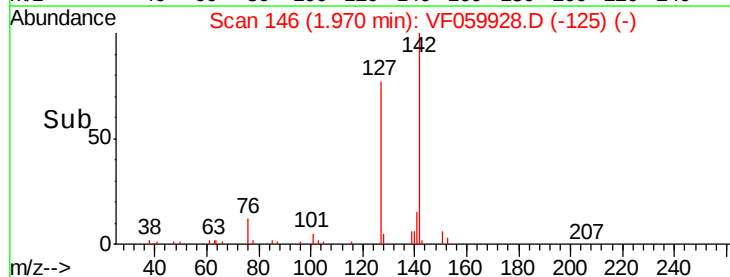
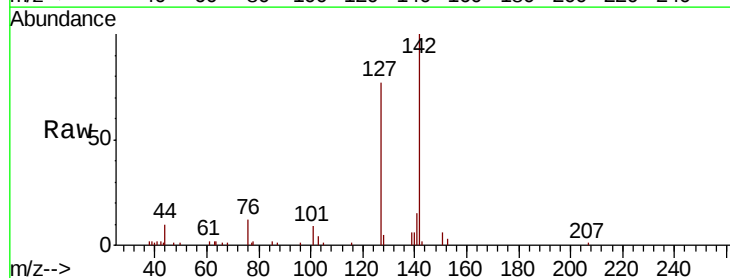
RT: 1.97 min Scan# 146

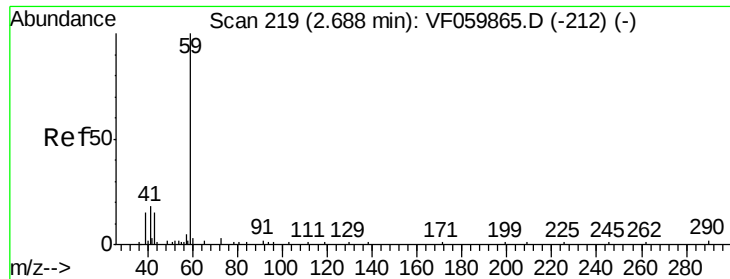
Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion:	142	Resp:	41136
Ion Ratio	Lower	Upper	
142	100		
127	76.6	61.5	92.3
141	14.8	13.0	19.4





#11

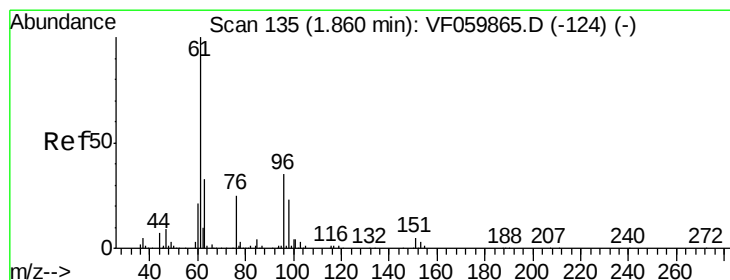
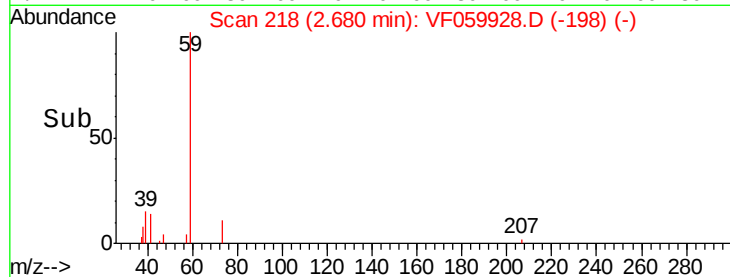
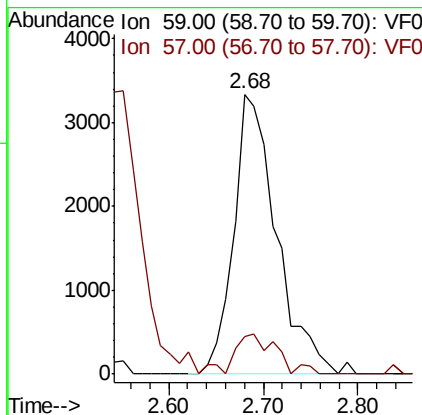
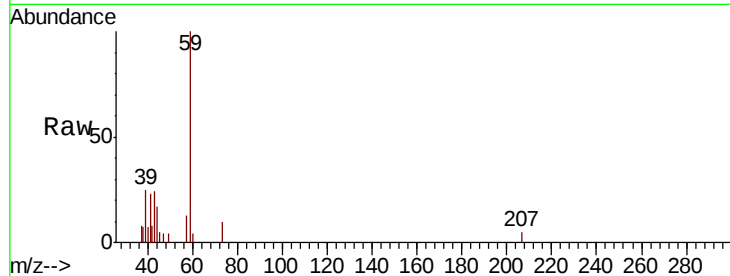
Tert butyl alcohol
 Concen: 144.72 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.5	7.6	11.4#

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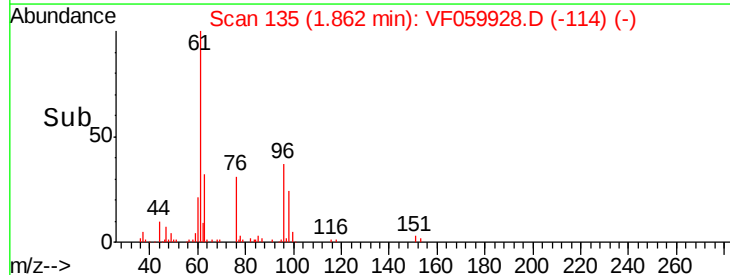
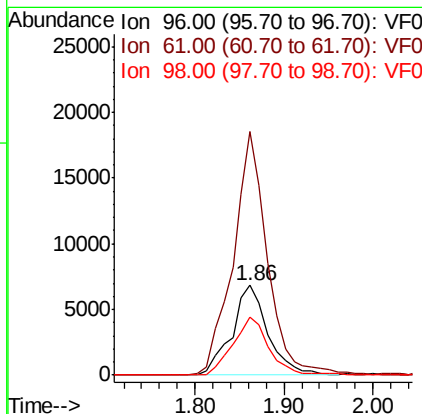
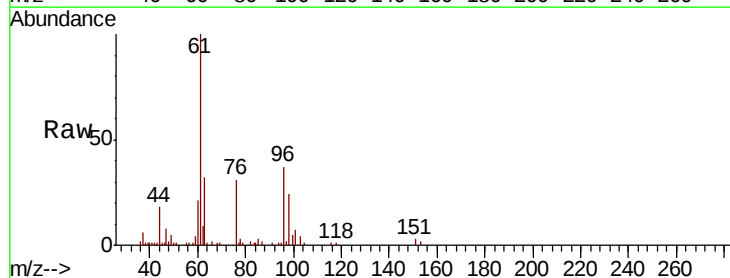
apatel
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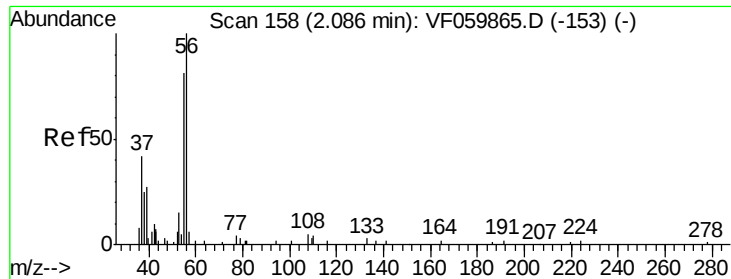


#12

1,1-Dichloroethene
 Concen: 21.62 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	271.3	230.2	345.2
98	64.5	52.7	79.1





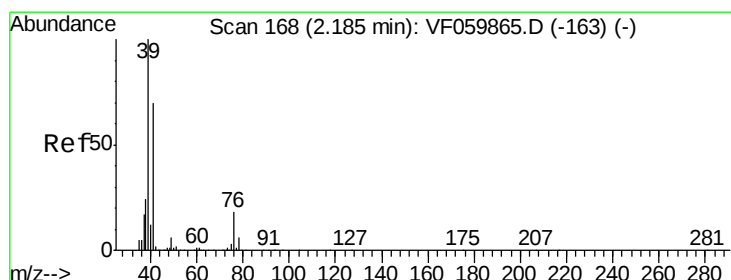
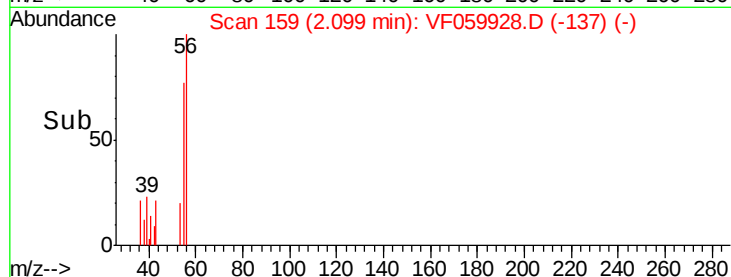
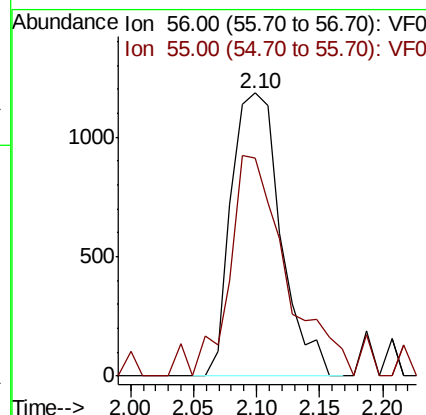
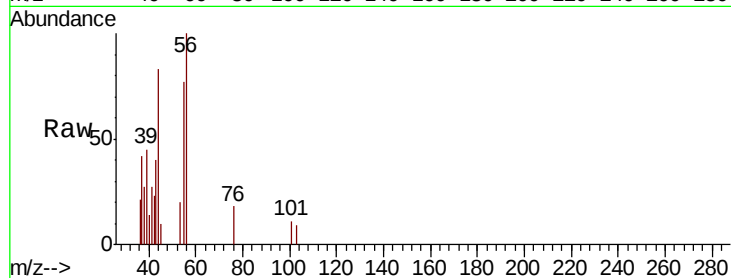
#13
Acrolein
Concen: 74.45 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.9	64.6	96.8

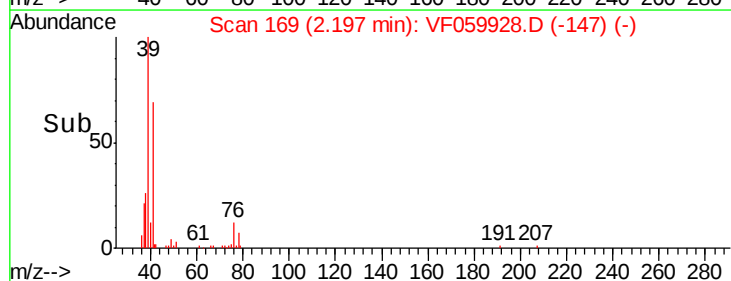
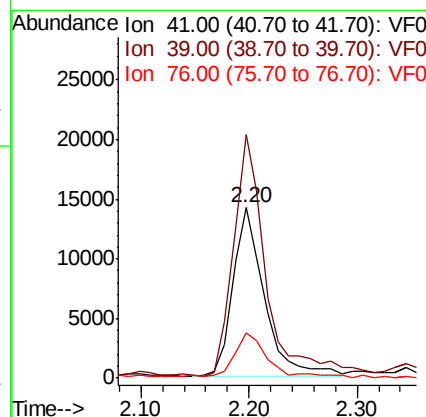
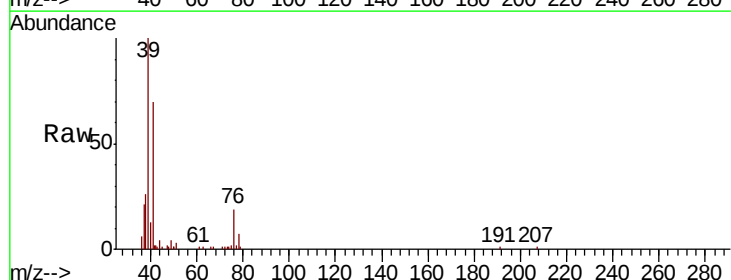
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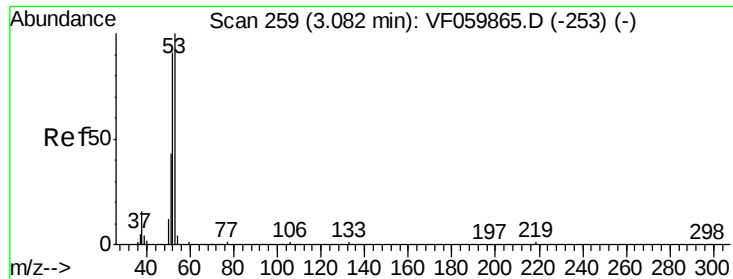
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#14
Allyl chloride
Concen: 19.56 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	143.2	114.6	171.8
76	26.9	21.0	31.4





#15

Acrylonitrile

Concen: 94.64 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

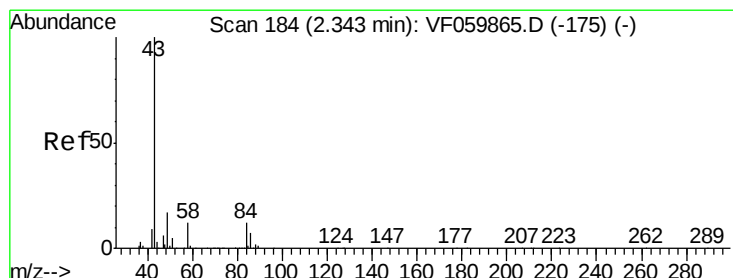
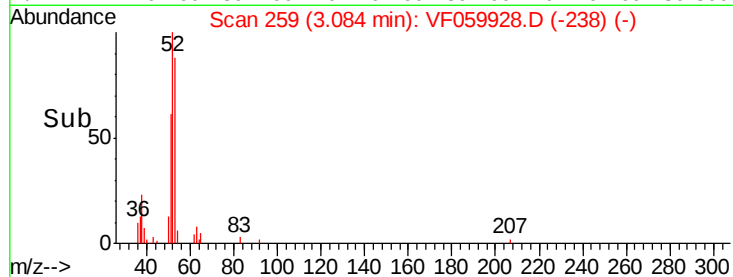
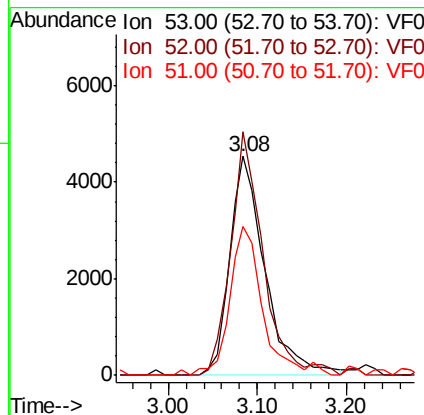
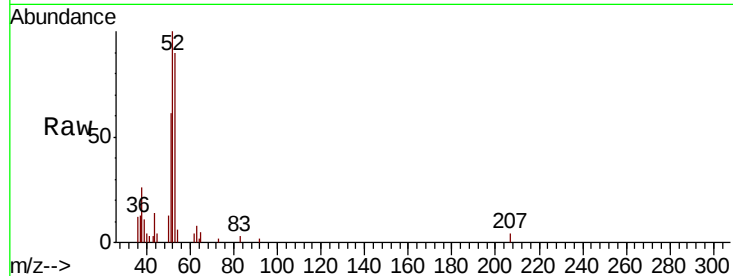
ClientSampleId :

VF0808SBSD01

Tot Ion:	53	Resp:	12539
Ion	Ratio	Lower	Upper
53	100		
52	111.1	72.9	109.3#
51	68.1	34.5	51.7#

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#16

Acetone

Concen: 106.61 ug/l

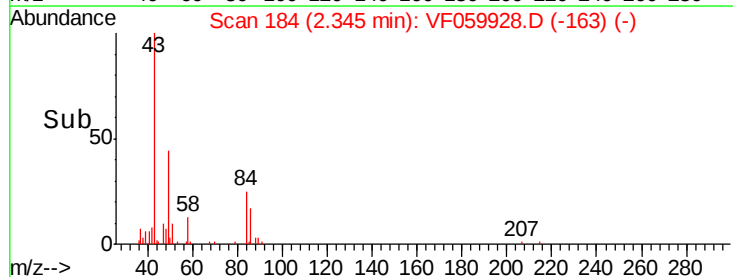
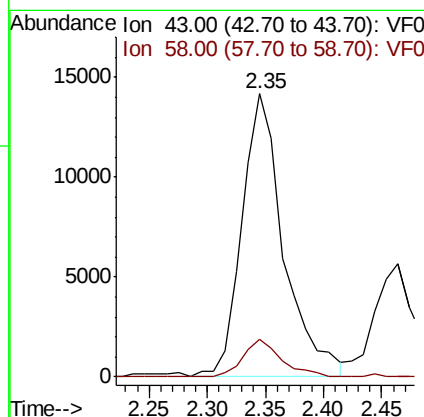
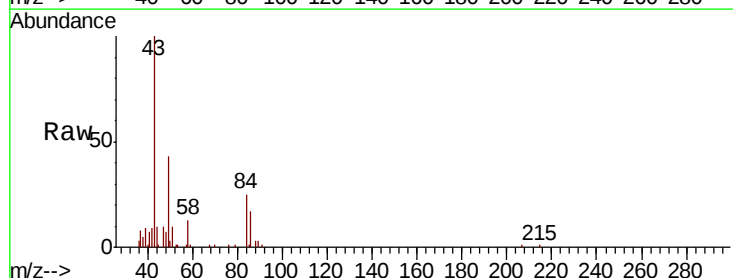
RT: 2.35 min Scan# 184

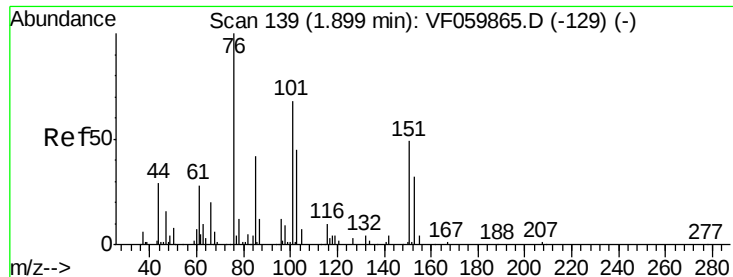
Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion:	43	Resp:	35281
Ion	Ratio	Lower	Upper
43	100		
58	13.1	9.4	14.0





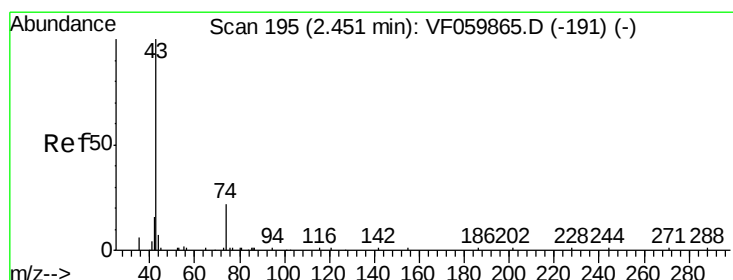
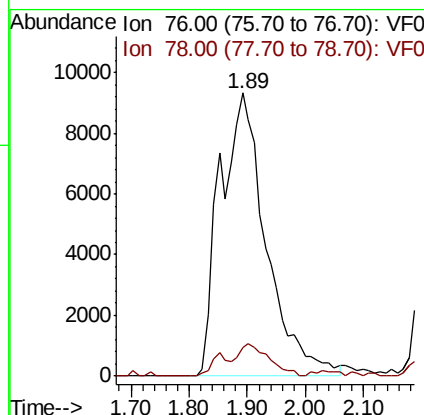
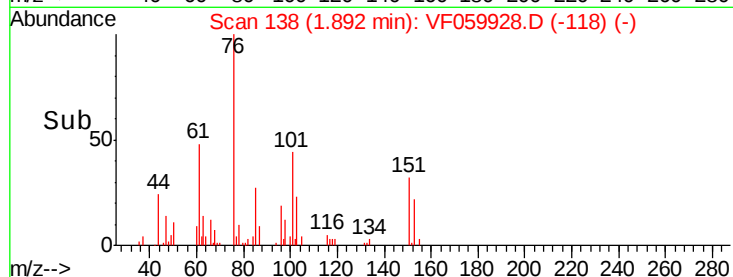
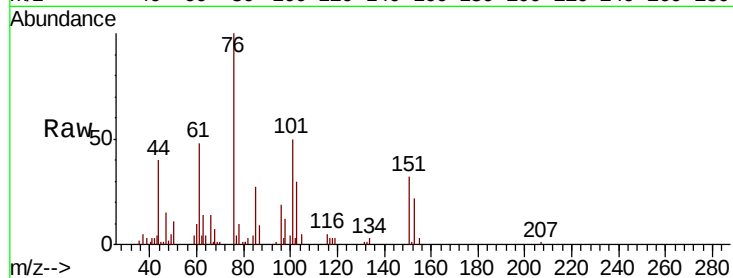
#17
Carbon Disulfide
Concen: 21.69 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion: 76 Resp: 51438
Ion Ratio Lower Upper
76 100
78 10.0 9.3 13.9

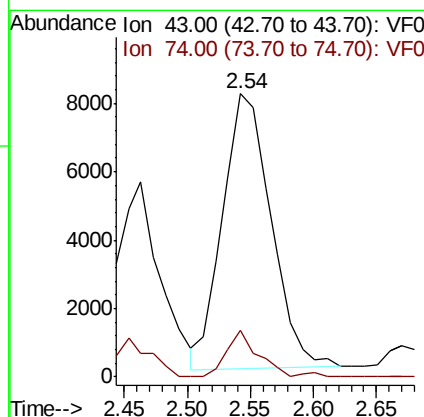
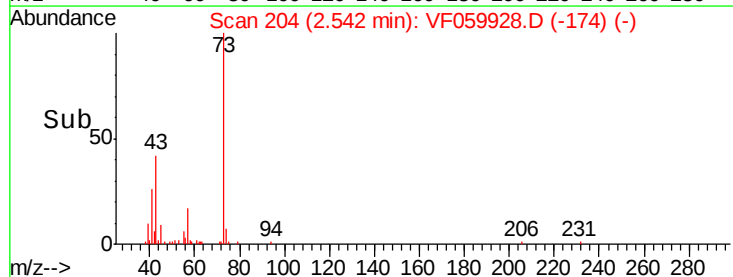
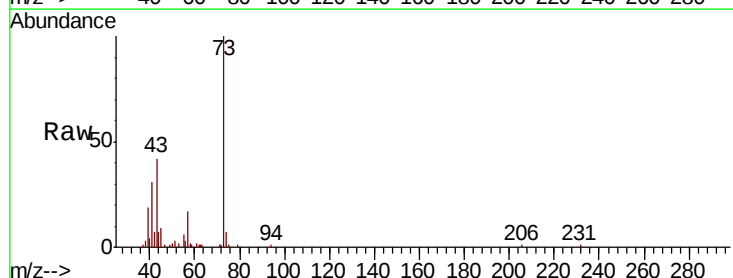
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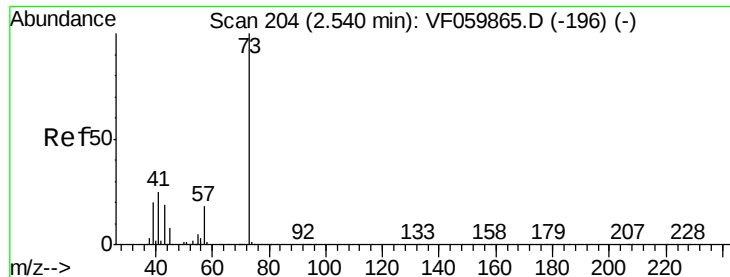
apatel
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#18
Methyl Acetate
Concen: 38.53 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.09 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion: 43 Resp: 21509
Ion Ratio Lower Upper
43 100
74 16.7 16.3 24.5





#19

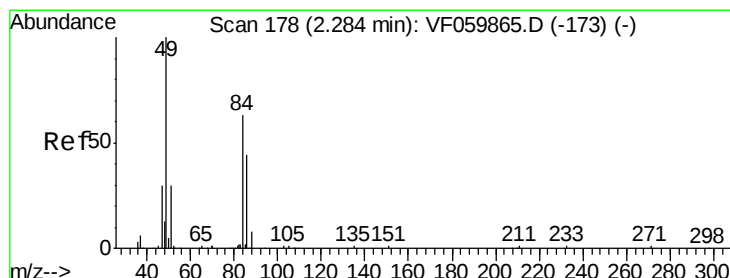
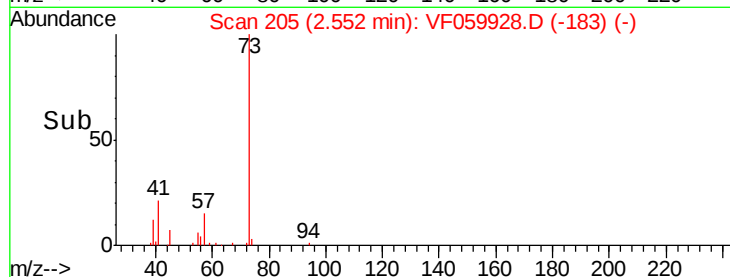
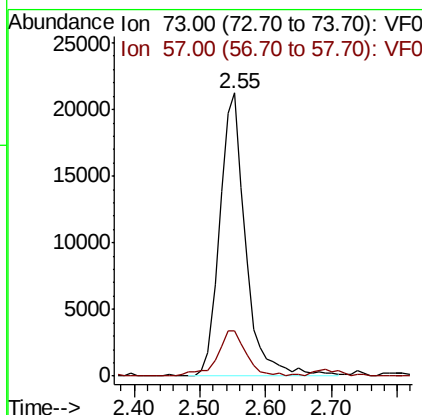
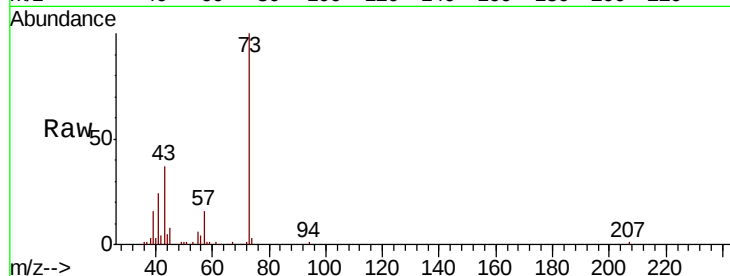
Methyl tert-butyl Ether
 Concen: 23.12 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.9	14.3	21.5

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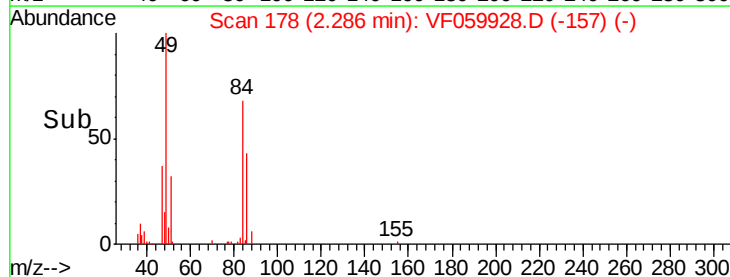
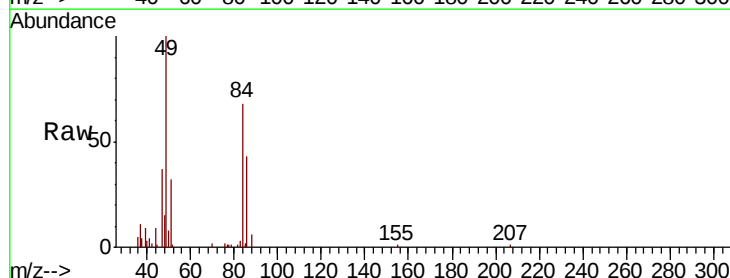
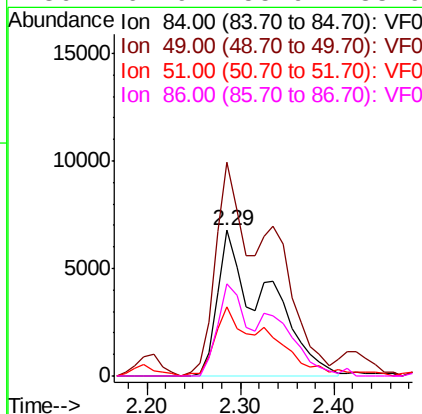
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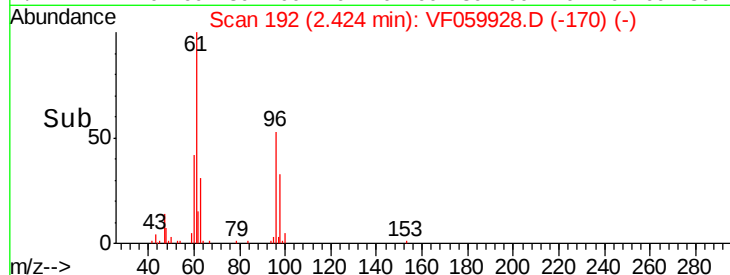
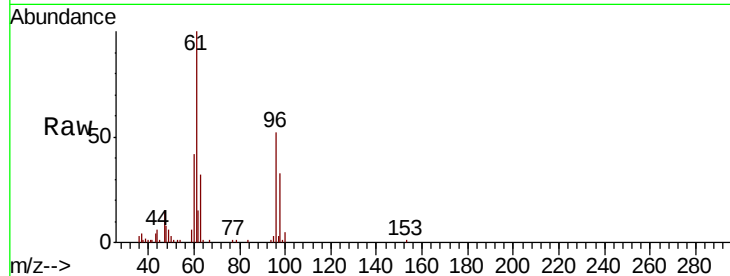
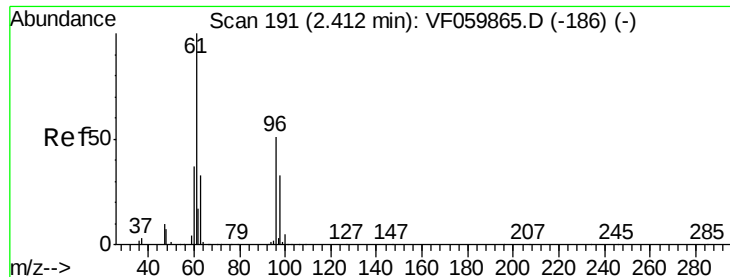


#20

Methylene Chloride
 Concen: 26.92 ug/l m
 RT: 2.29 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.7	128.7	193.1
51	47.2	39.3	58.9
86	62.9	55.9	83.9





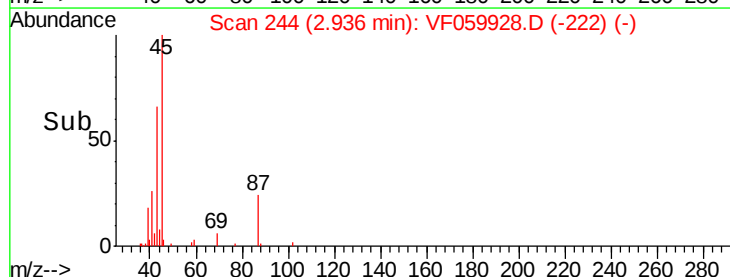
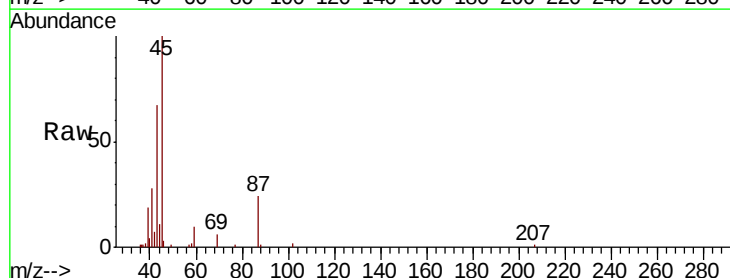
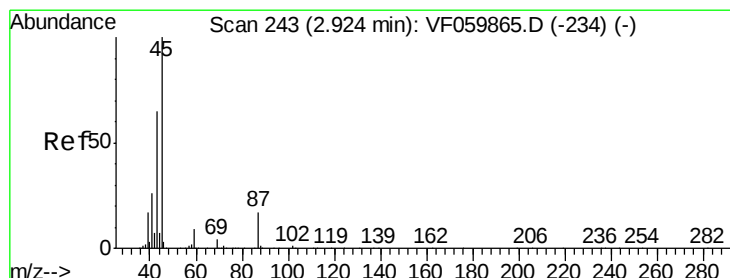
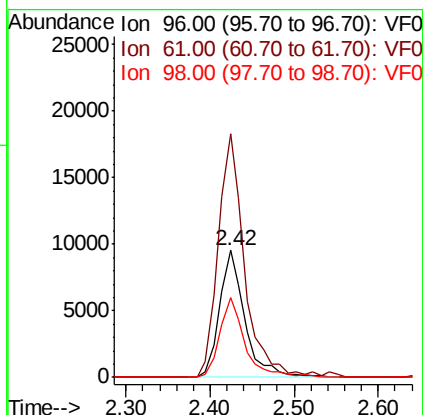
#21
trans-1,2-Dichloroethene
Concen: 22.50 ug/l
RT: 2.42 min Scan# 192
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tot Ion	Ratio	Lower	Upper
96	100		
61	192.4	158.2	237.4
98	62.9	52.0	78.0

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

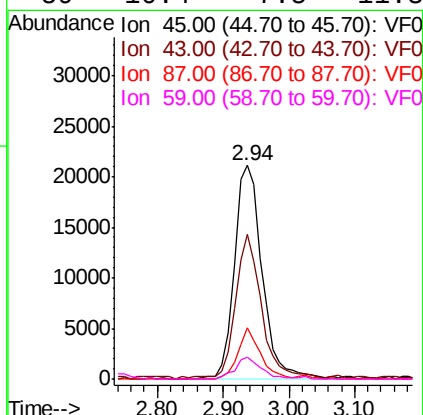
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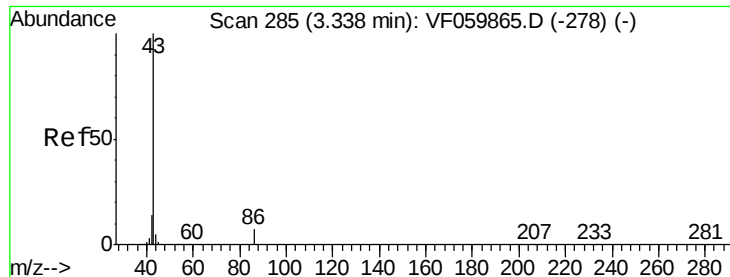
apatel
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#22
Diisopropyl ether
Concen: 22.02 ug/l
RT: 2.94 min Scan# 244
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	52.1	78.1
87	24.1	13.8	20.8
59	10.4	7.5	11.3





#23

Vinyl Acetate

Concen: 113.78 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion: 43 Resp: 156906

Ion Ratio Lower Upper

43 100

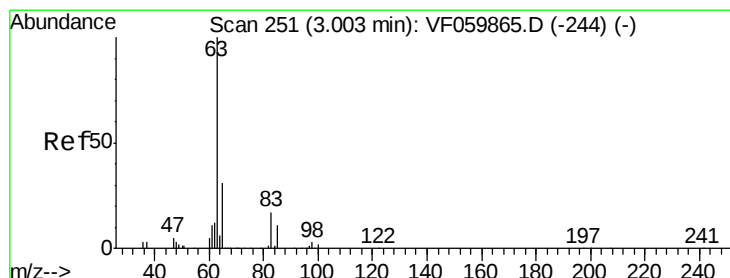
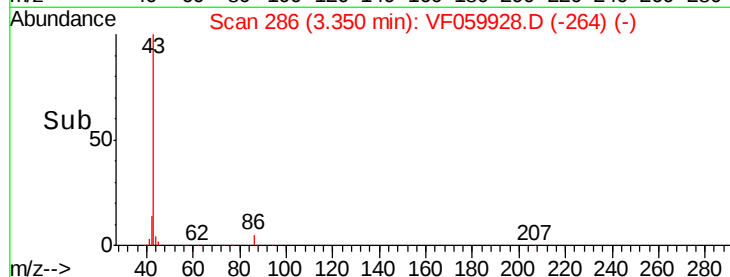
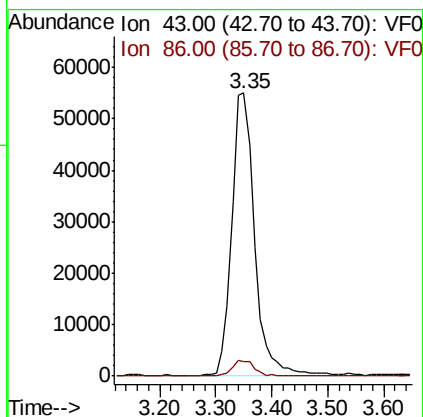
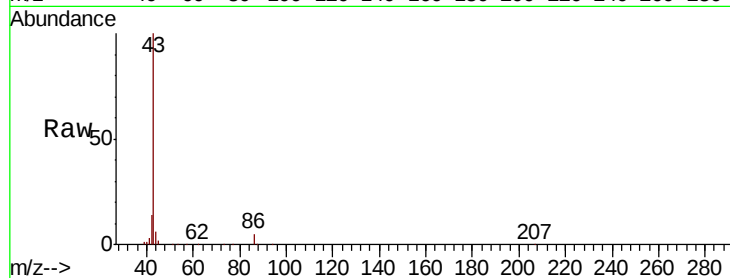
86 5.3 5.6 8.4#

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#24

1,1-Dichloroethane

Concen: 22.01 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

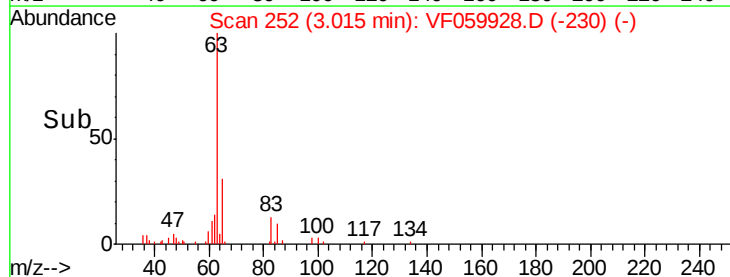
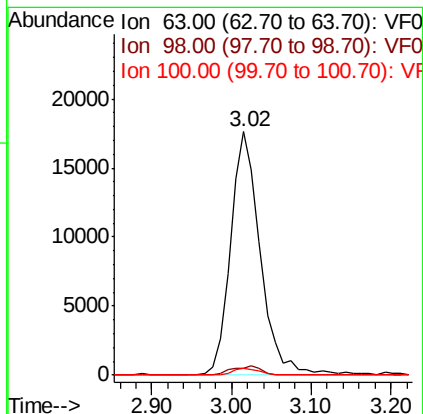
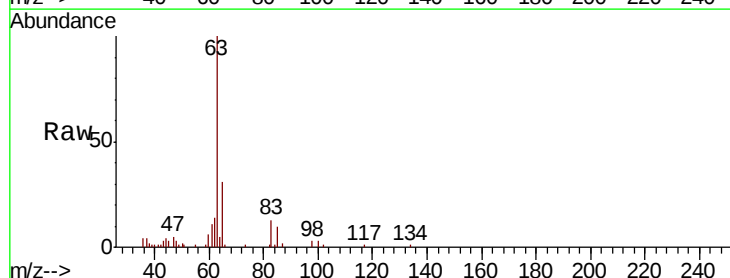
Tgt Ion: 63 Resp: 45654

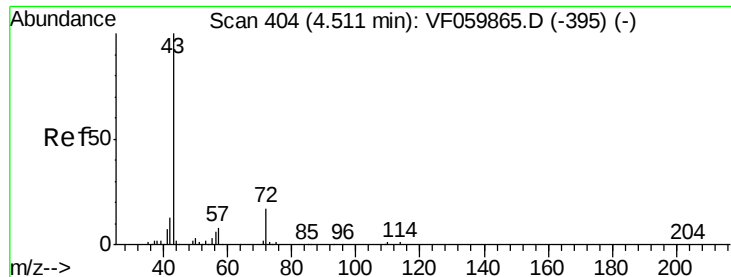
Ion Ratio Lower Upper

63 100

98 2.7 1.9 5.7

100 2.8 1.1 3.5





#25

2-Butanone

Concen: 120.15 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion: 43 Resp: 43236

Ion Ratio Lower Upper

43 100

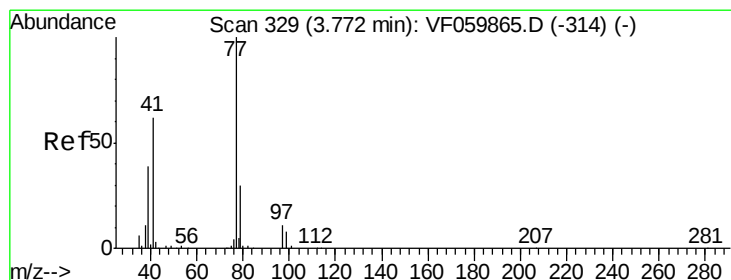
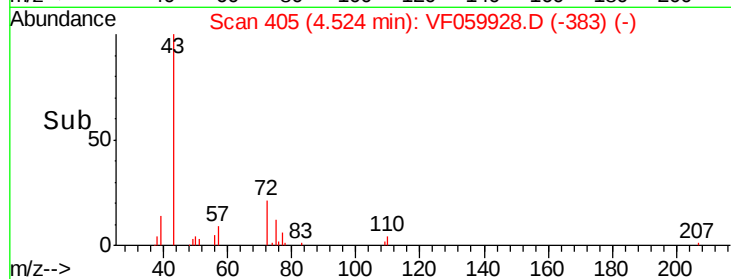
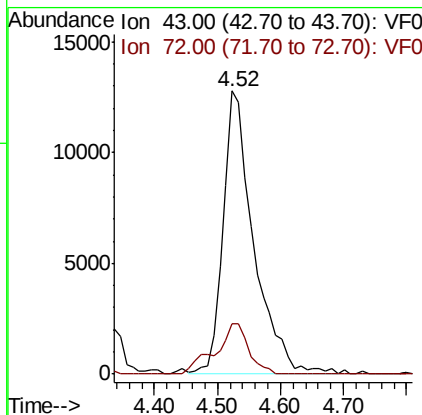
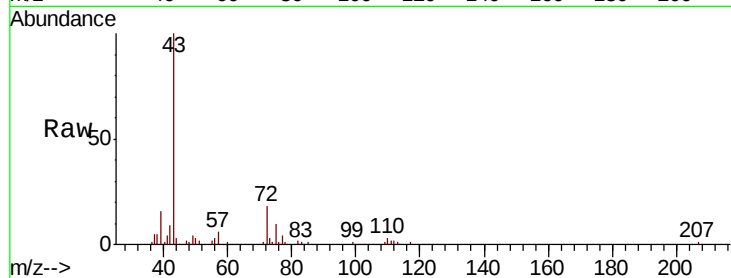
72 17.9 13.9 20.9

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#26

2,2-Dichloropropane

Concen: 19.23 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF059928.D

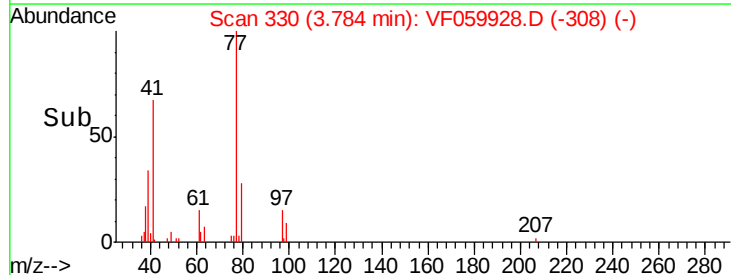
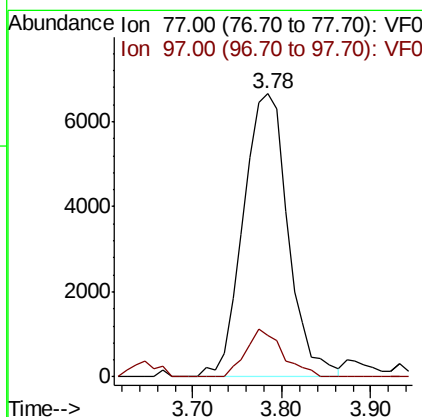
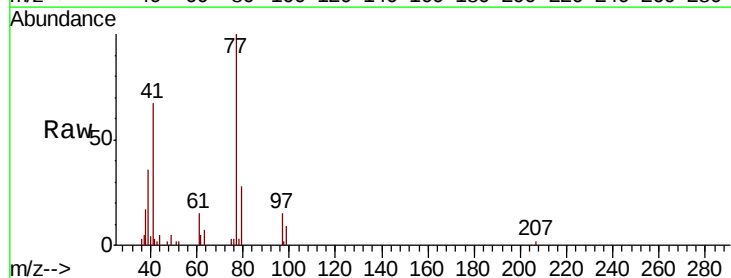
Acq: 8 Aug 2018 13:47

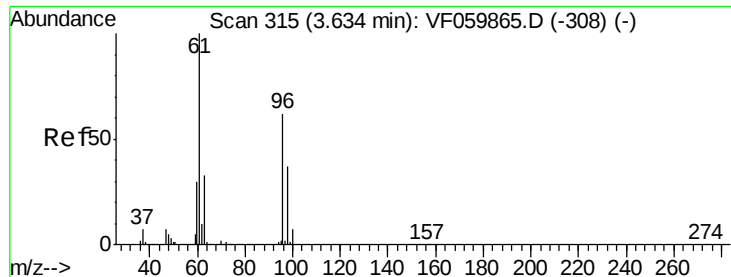
Tgt Ion: 77 Resp: 23227

Ion Ratio Lower Upper

77 100

97 14.6 6.8 20.3





#27

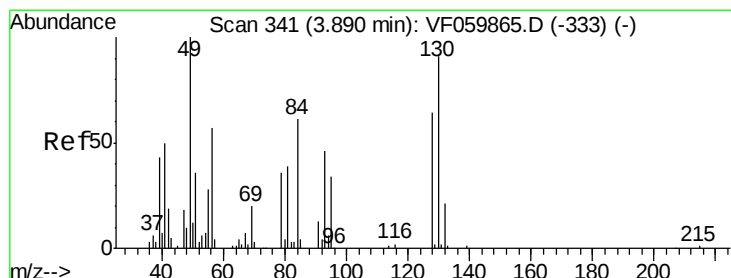
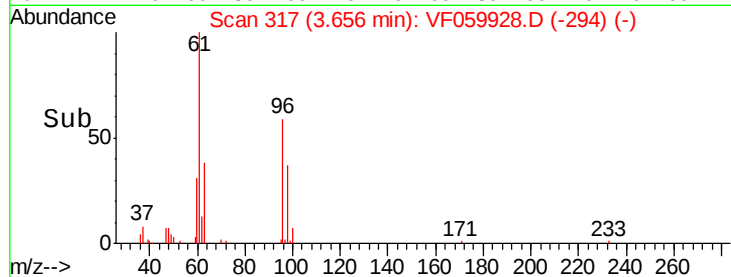
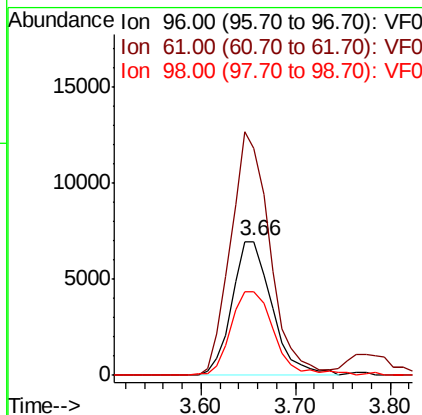
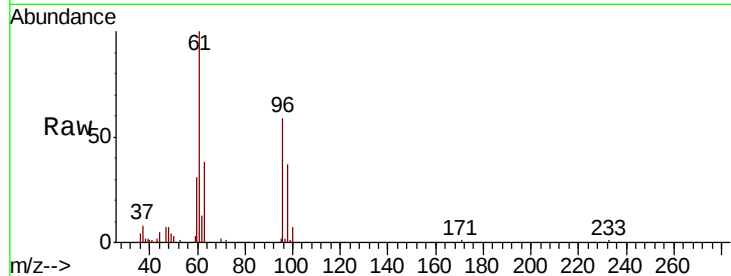
cis-1,2-Dichloroethene
Concen: 20.61 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.9	0.0	320.8
98	62.6	0.0	117.6

Manual Integrations
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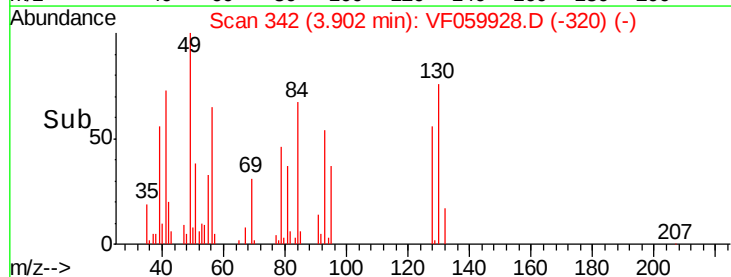
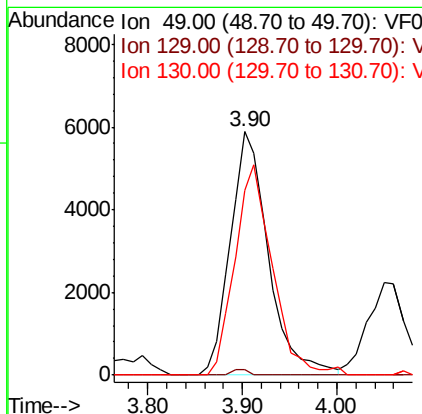
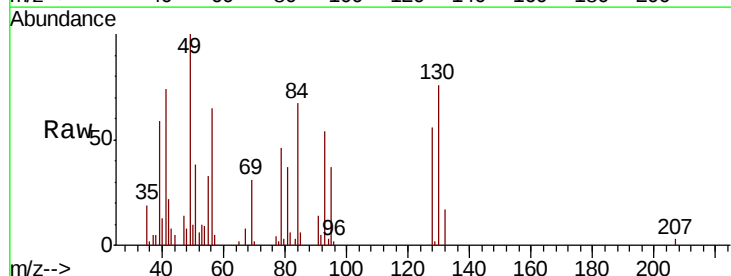
apatel
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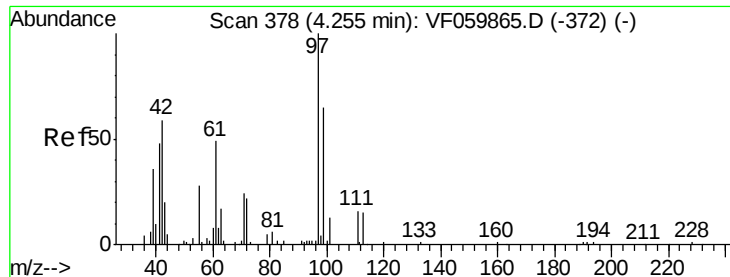


#28

Bromochloromethane
Concen: 22.51 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	75.8	73.8	110.8





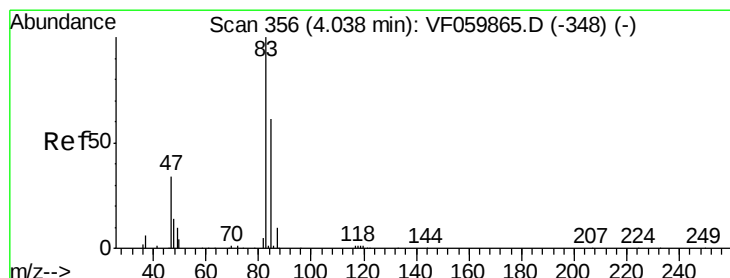
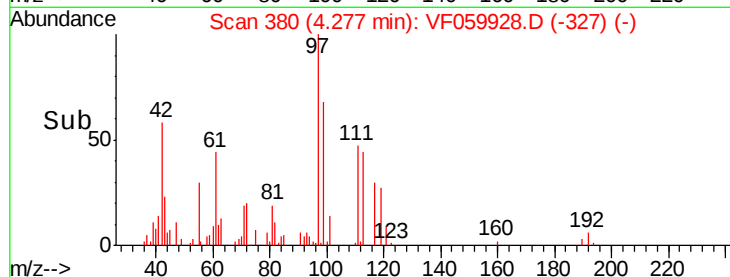
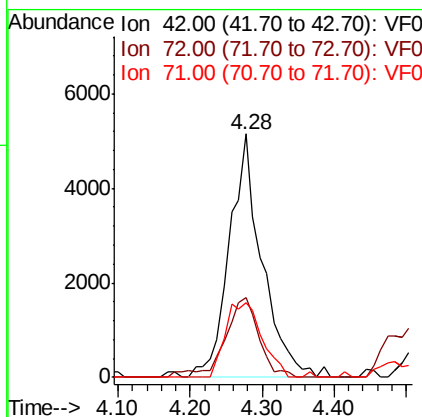
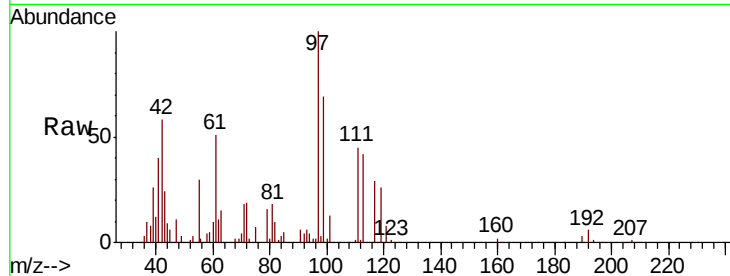
#29
Tetrahydrofuran
Concen: 122.72 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	34.0	29.3	43.9	
71	34.1	30.0	45.0	

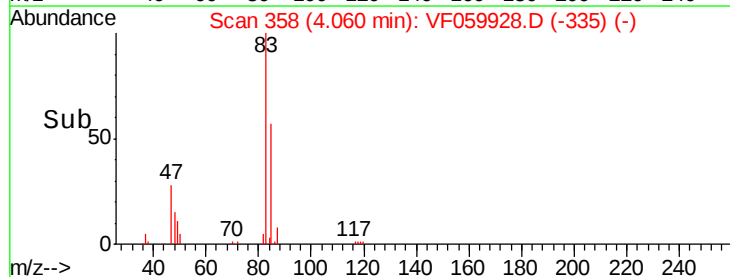
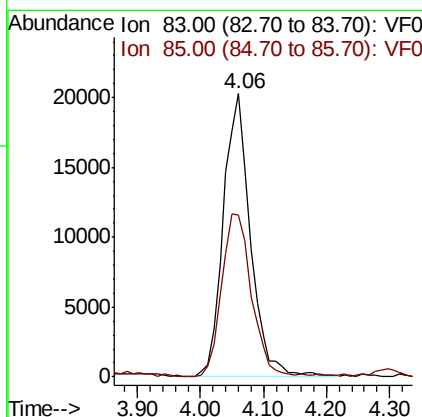
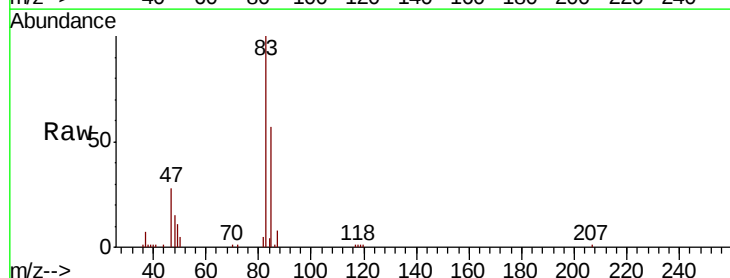
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APPROVED

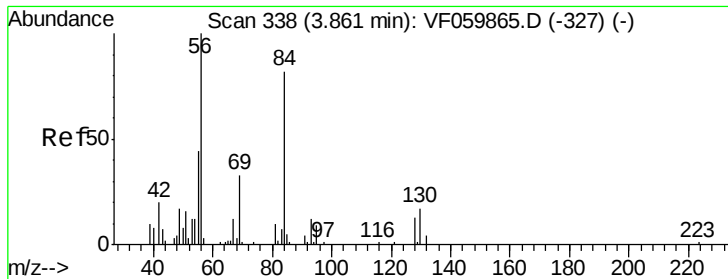
apatel
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#30
Chloroform
Concen: 21.62 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	57.3	49.3	73.9	





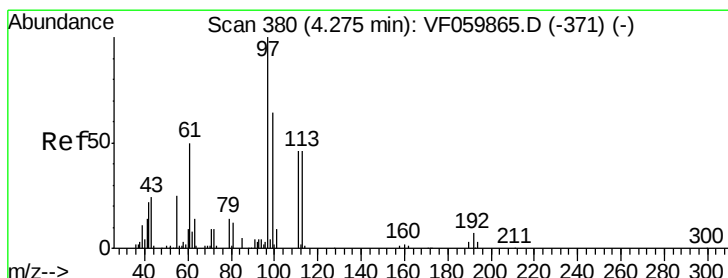
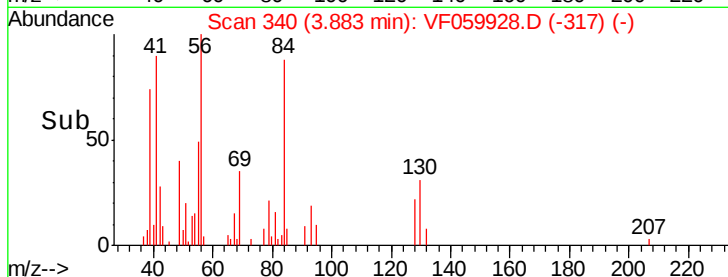
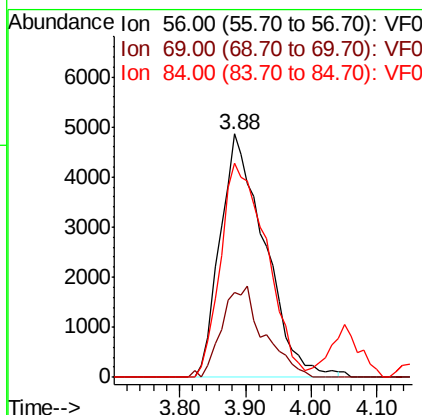
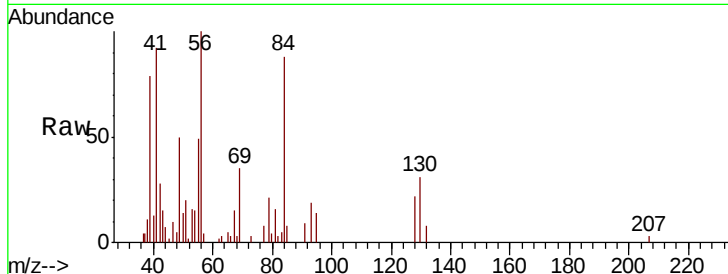
#31
Cyclohexane
Concen: 22.41 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	26.7	40.1
84	88.0	65.9	98.9

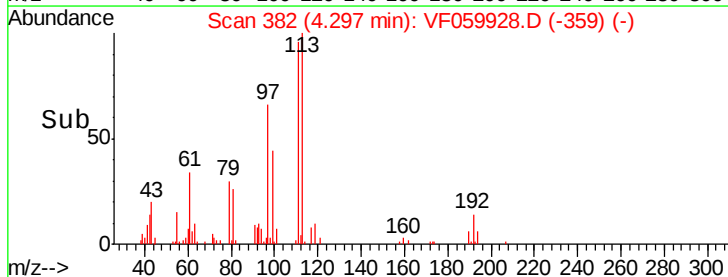
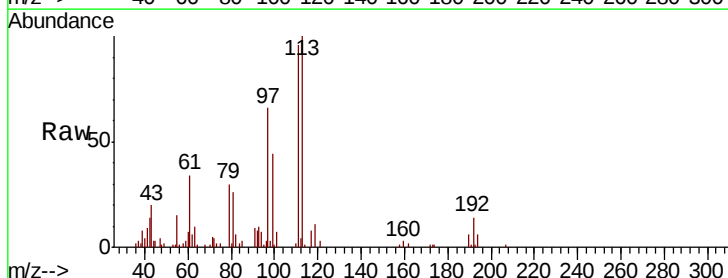
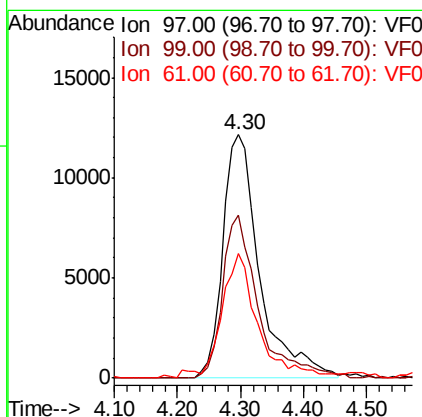
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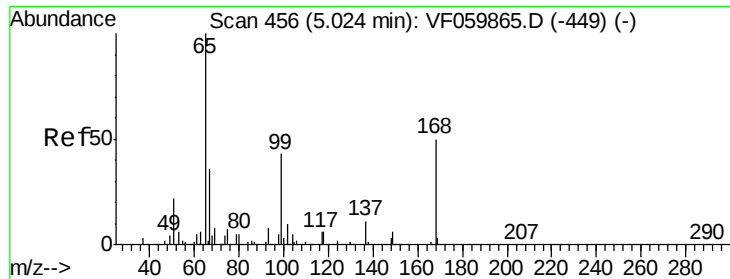
apatel
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#32
1,1,1-Trichloroethane
Concen: 21.89 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.4	77.2
61	51.0	40.8	61.2





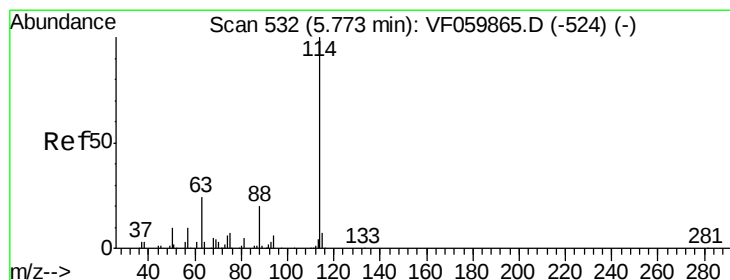
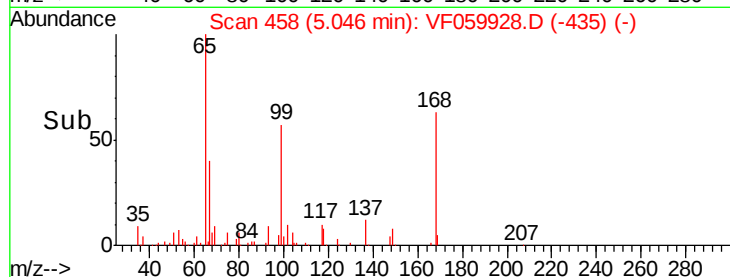
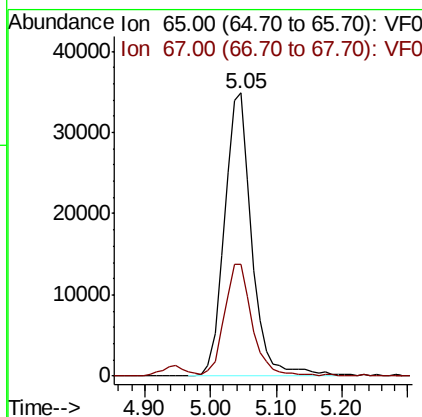
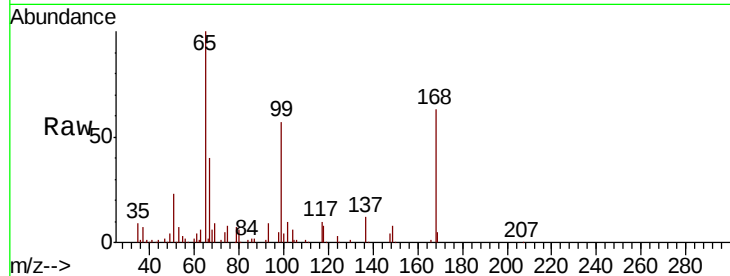
#33
 1,2-Dichloroethane-d4
 Concen: 56.41 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101128		
67	39.5	0.0	77.2	

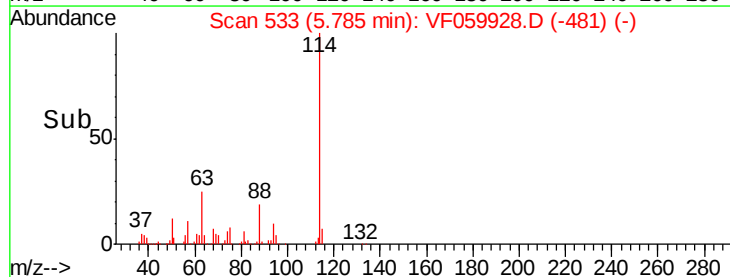
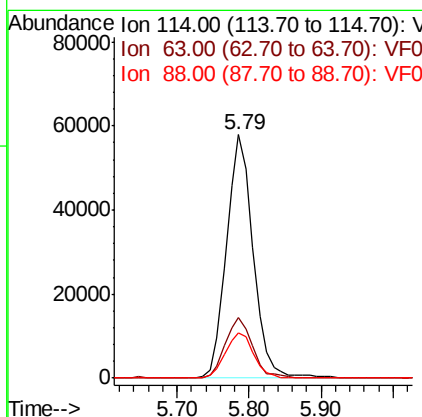
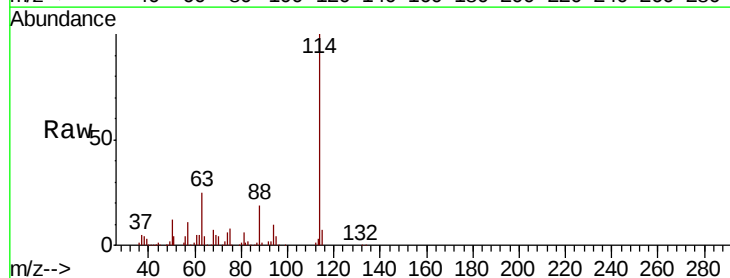
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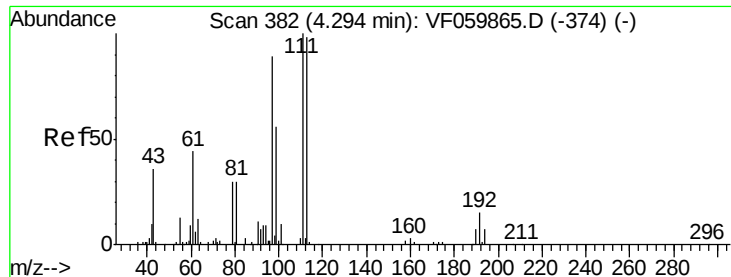
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	148914		
63	24.7	0.0	48.0	
88	18.6	0.0	39.4	





#35

Dibromofluoromethane

Concen: 52.81 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

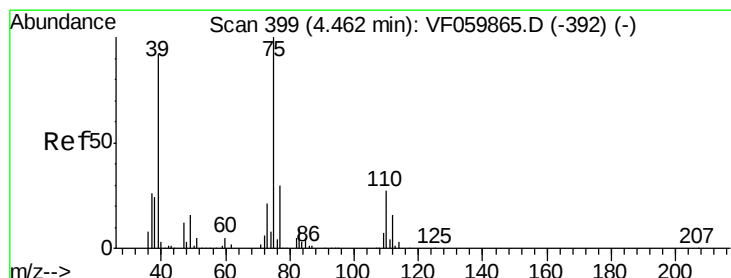
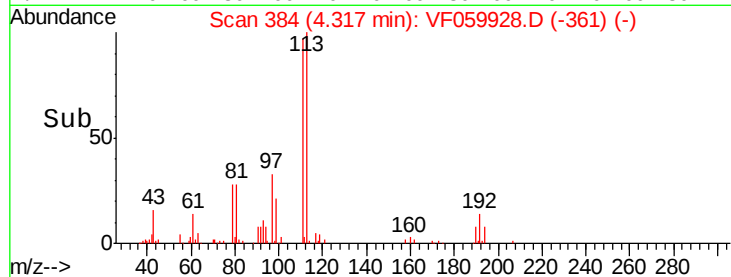
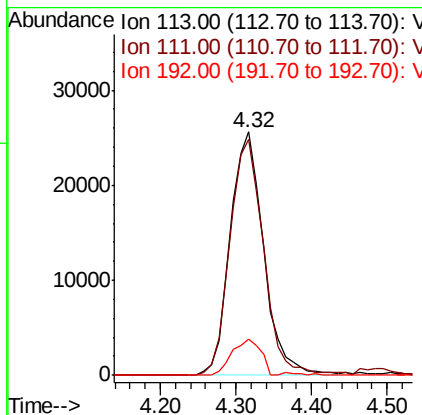
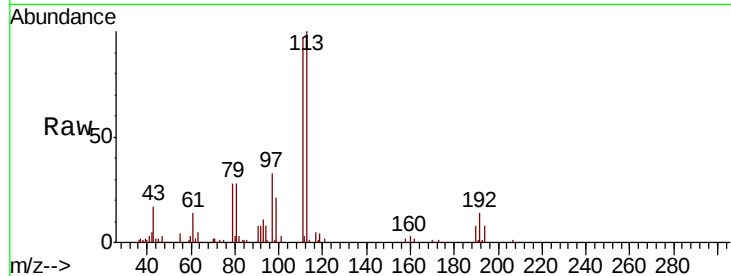
ClientSampleId :

VF0808SBSD01

Tot Ion:	113	Resp:	78240
Ion	Ratio	Lower	Upper
113	100		
111	97.0	81.8	122.8
192	14.9	12.4	18.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.08 ug/l

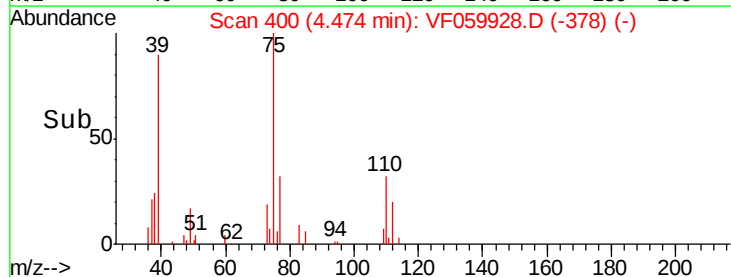
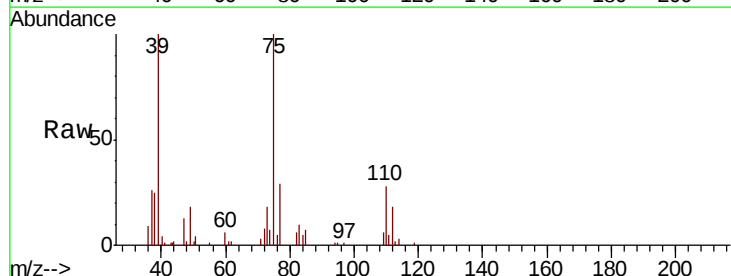
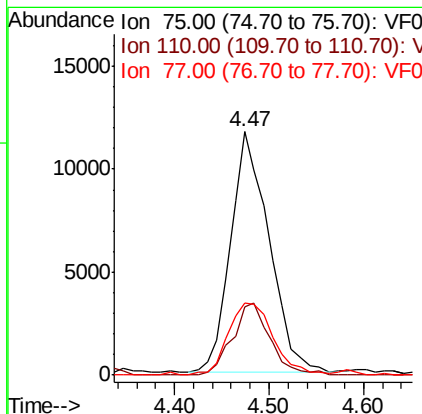
RT: 4.47 min Scan# 400

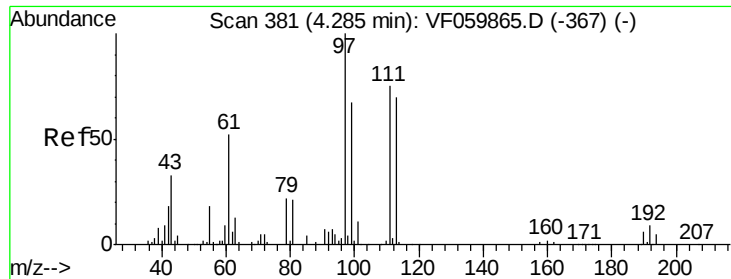
Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion:	75	Resp:	32862
Ion	Ratio	Lower	Upper
75	100		
110	27.9	13.6	40.7
77	29.4	23.7	35.5





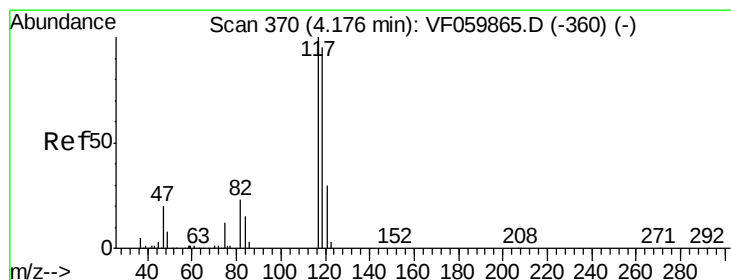
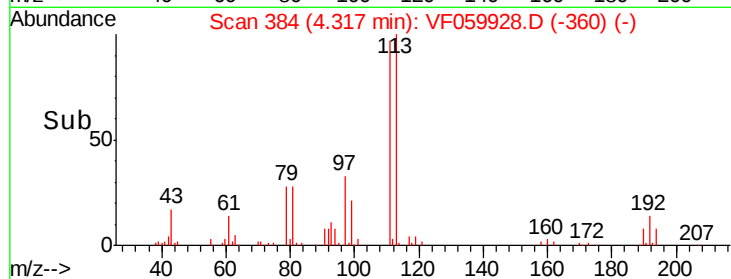
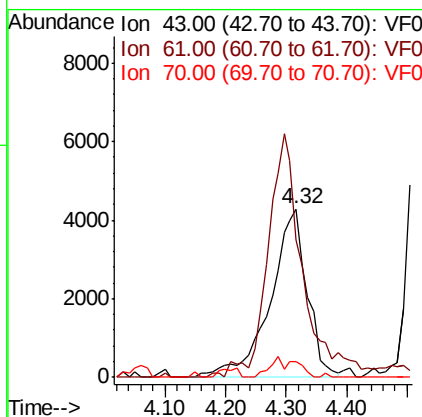
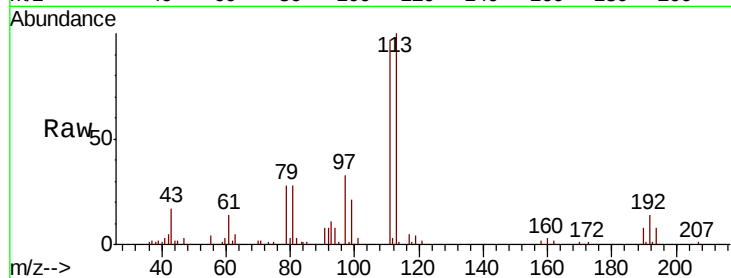
#37
Ethyl Acetate
Concen: 24.49 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.03 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	43	61	70
Resp	18112	81.9	9.1
Lower		123.7	7.8
Upper		185.5#	11.8

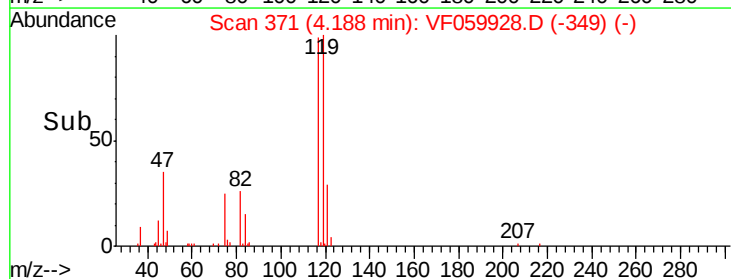
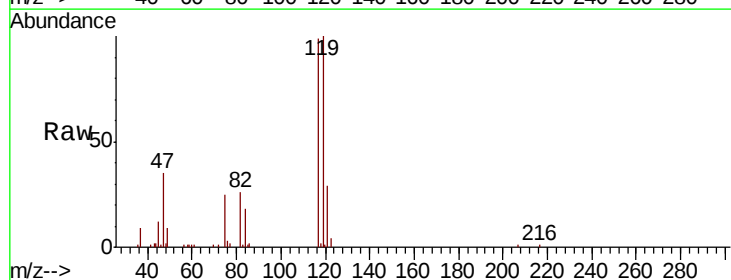
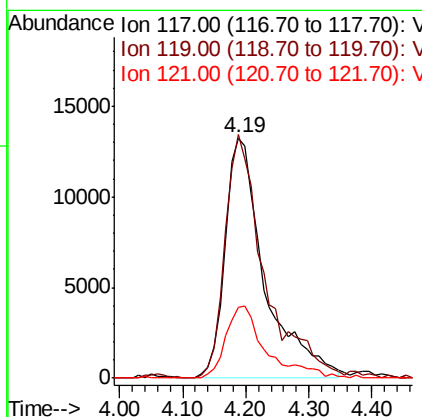
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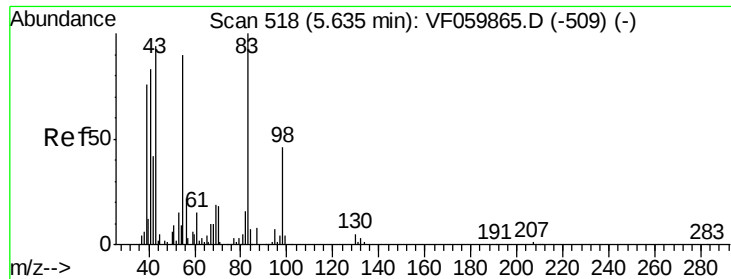
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#38
Carbon Tetrachloride
Concen: 23.36 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	117	119	121
Resp	57593	101.4	29.7
Lower		76.5	23.8
Upper		114.7	35.8





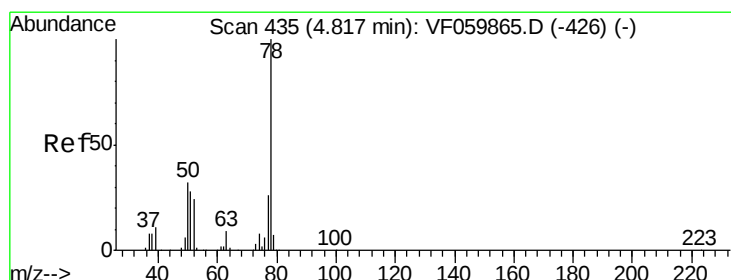
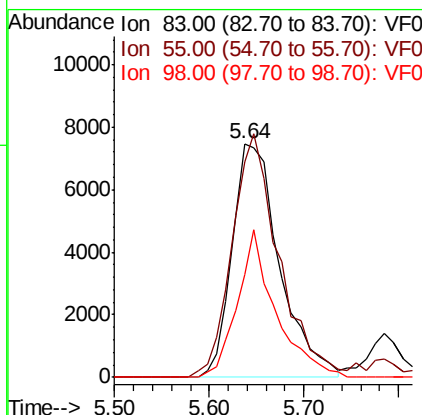
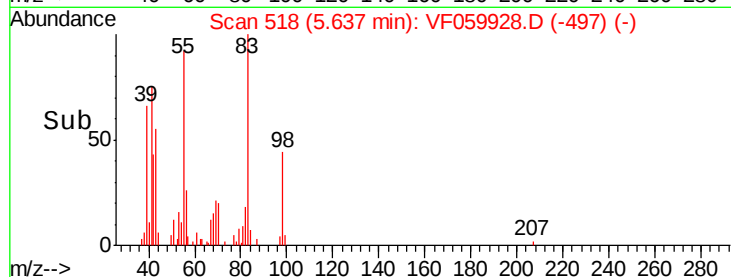
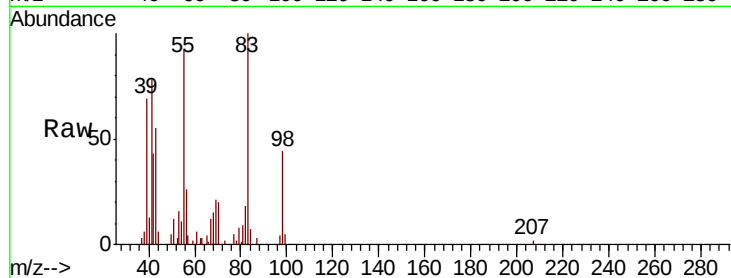
#39
Methvlcvclohexane
Concen: 20.12 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.3	72.0	108.0
98	43.8	36.6	54.8

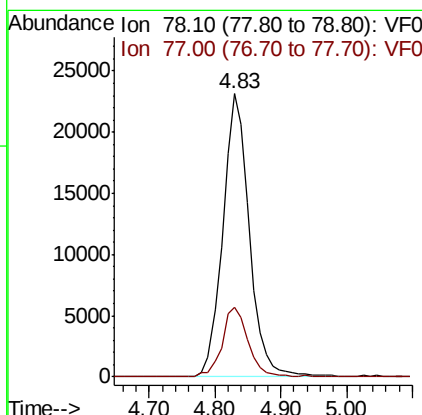
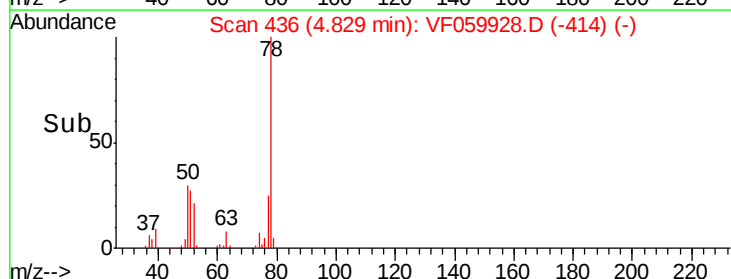
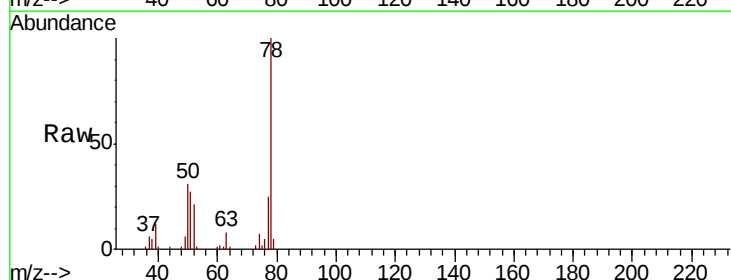
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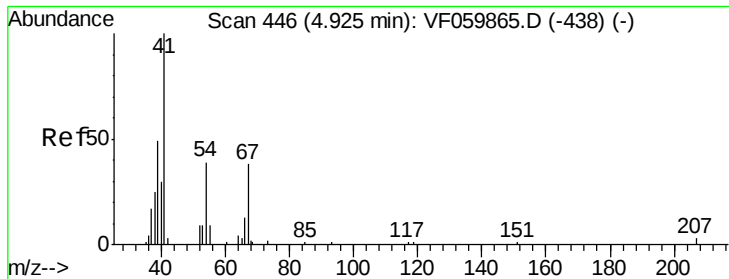
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#40
Benzene
Concen: 20.22 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	20.7	31.1





#41

Methacrylonitrile

Concen: 20.25 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF059928.D

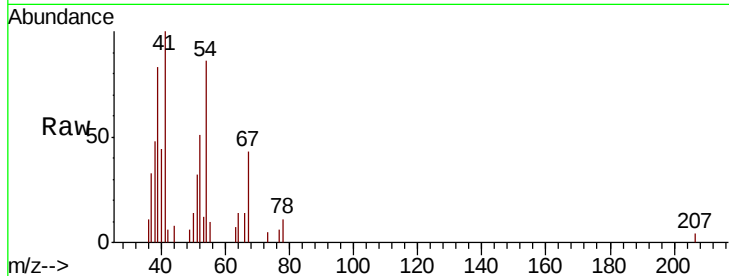
Acq: 8 Aug 2018 13:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		7905		
39	82.7	55.1	82.7		
67	42.8	30.3	45.5		
52	51.1	36.0	54.0		

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Manual Integrations
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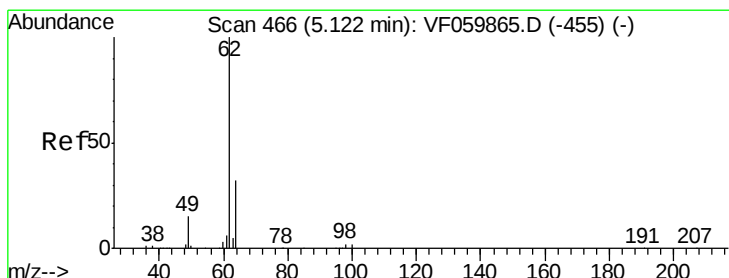
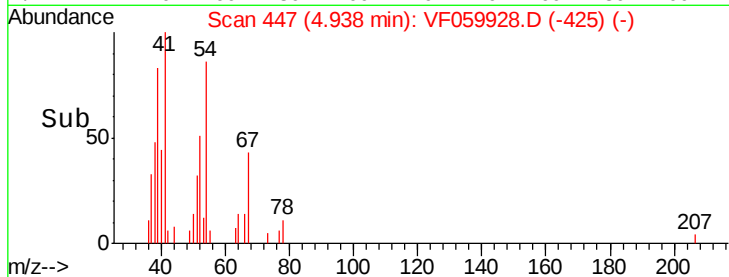
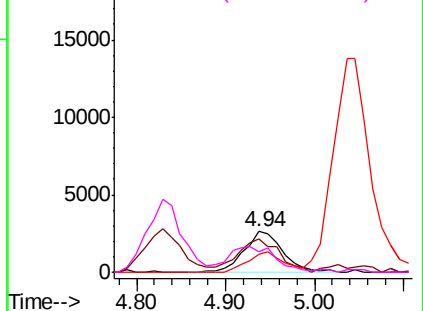
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.67 ug/l

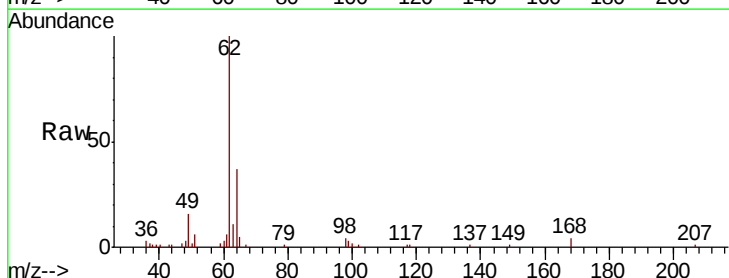
RT: 5.13 min Scan# 467

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

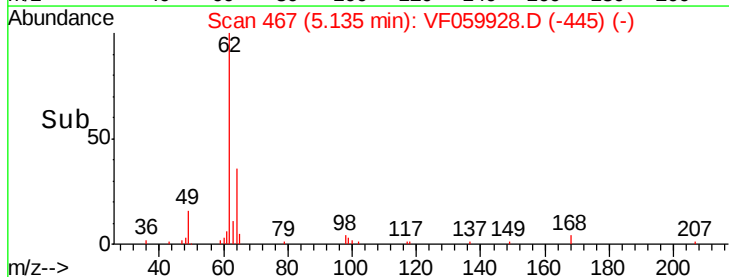
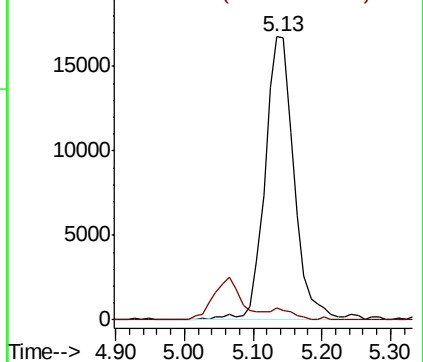
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		49287		
98	4.3	0.0	7.6		

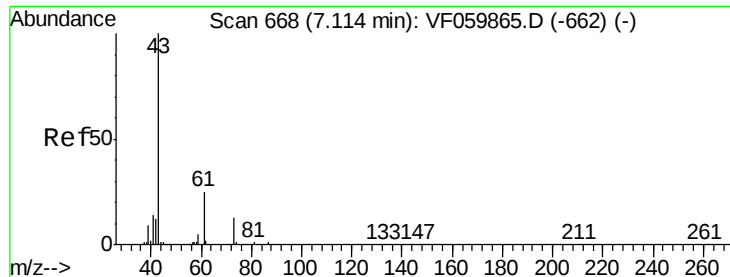


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





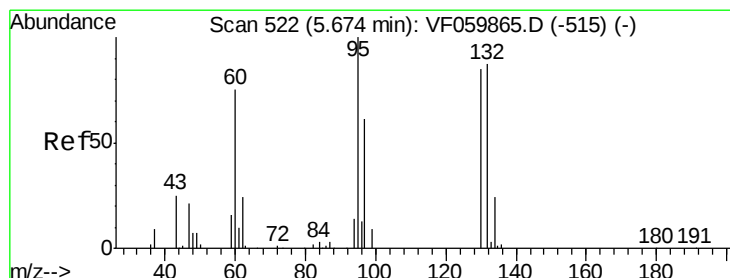
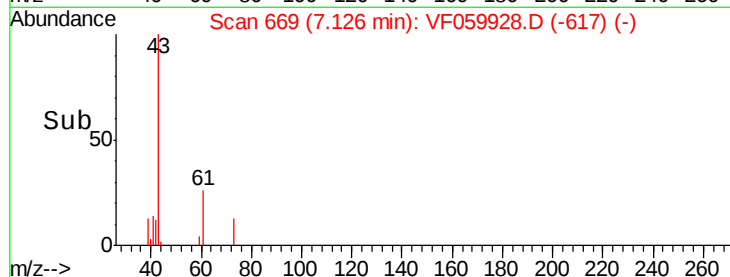
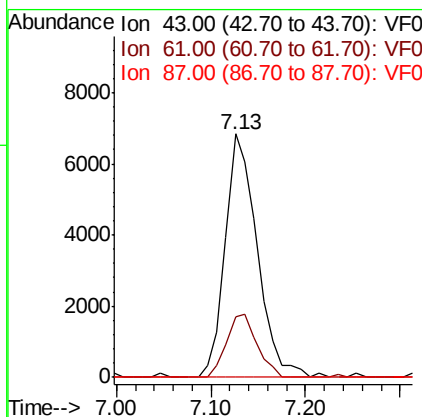
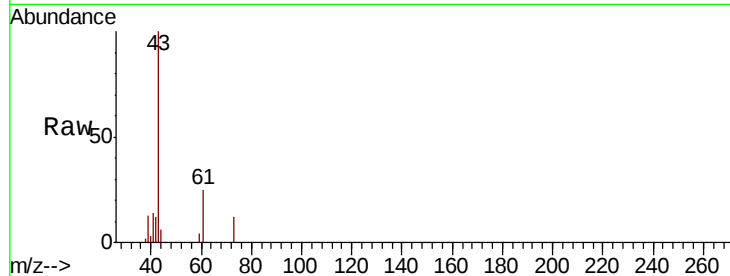
#43
Isopropyl Acetate
Concen: 21.07 ug/l
RT: 7.13 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.3	30.5
87	0.0	0.7	1.1#

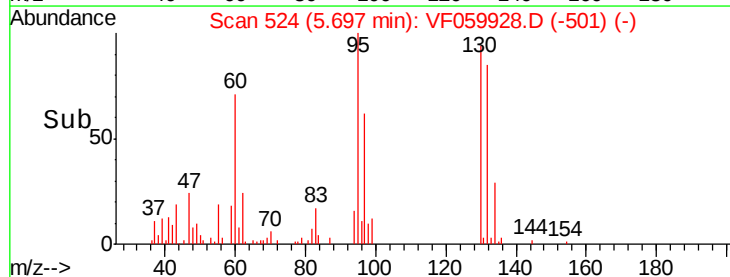
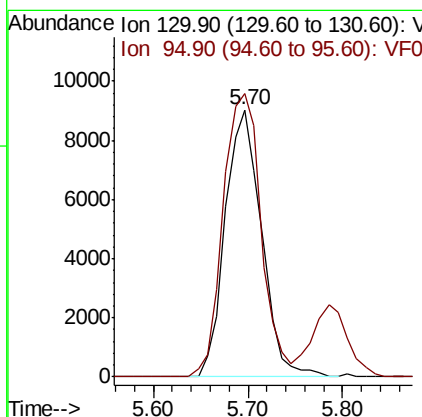
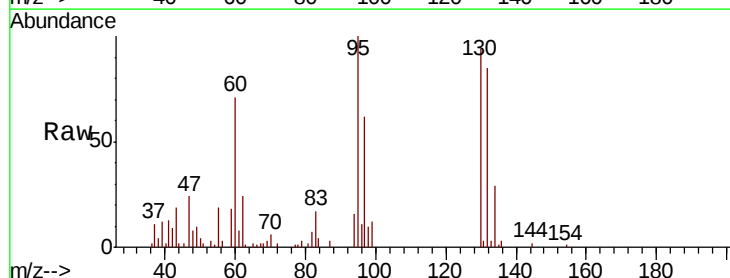
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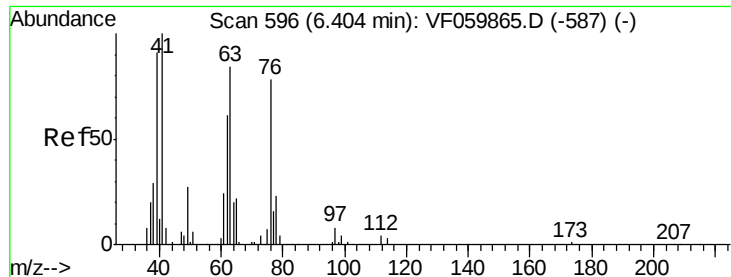
apatel
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#44
Trichloroethene
Concen: 20.94 ug/l
RT: 5.70 min Scan# 524
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	236.8





#45

1,2-Dichloropropane

Concen: 20.38 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059928.D

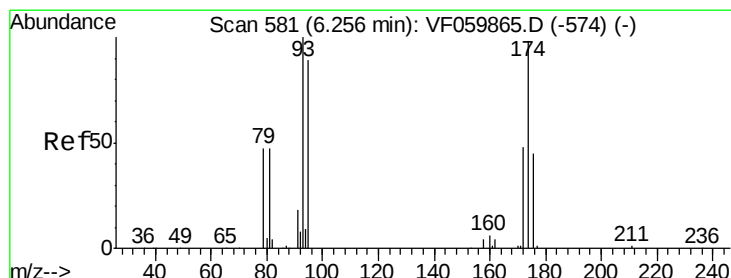
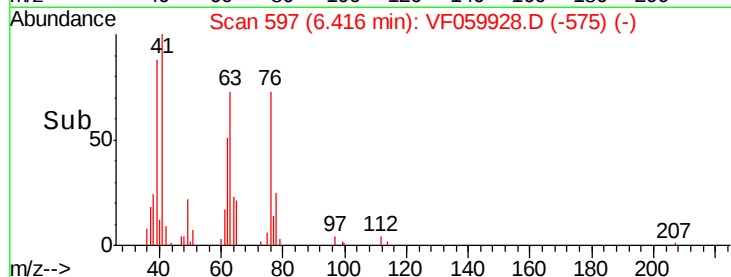
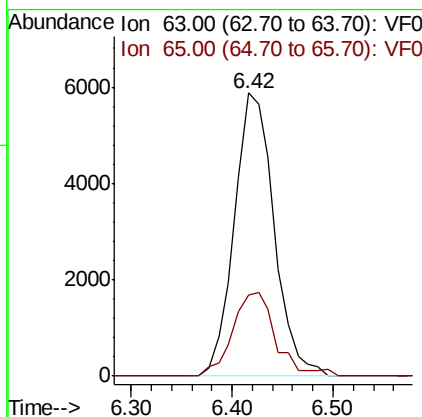
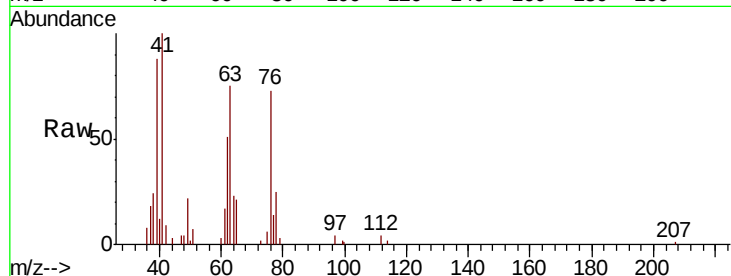
Acq: 8 Aug 2018 13:47

Tot Ion	63	Resp	16111
Ion Ratio	63	100	
	65	28.8	
Lower	20.4		
Upper	30.6		

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

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#46

Dibromomethane

Concen: 20.00 ug/l

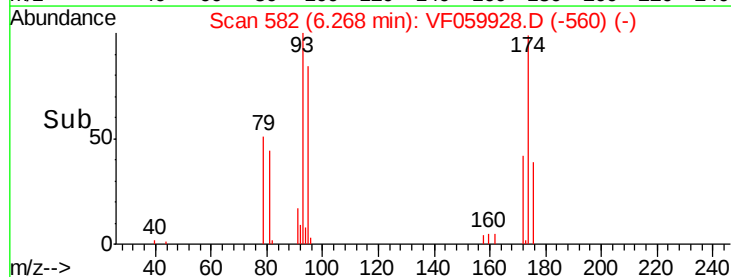
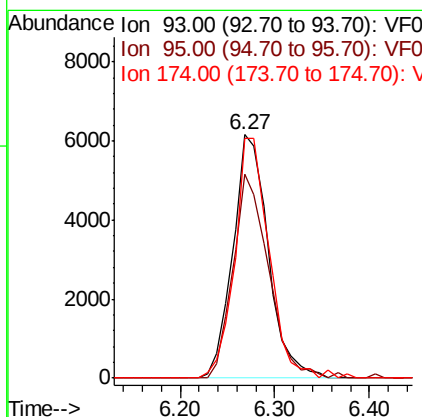
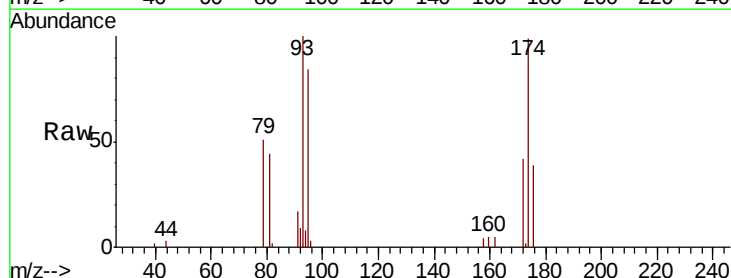
RT: 6.27 min Scan# 582

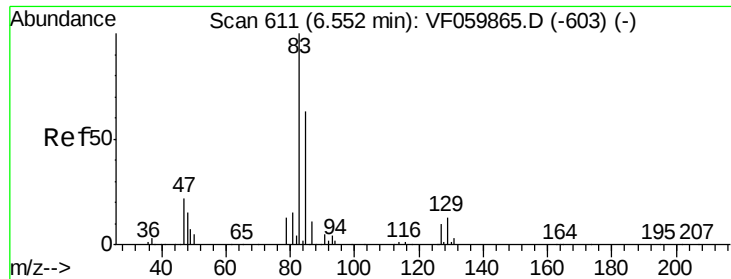
Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion	93	Resp	15951
Ion Ratio	93	100	
	95	83.8	
	174	98.5	
Lower	71.4		
Upper	107.2		
	78.1		
	117.1		





#47

Bromodichloromethane

Concen: 20.96 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

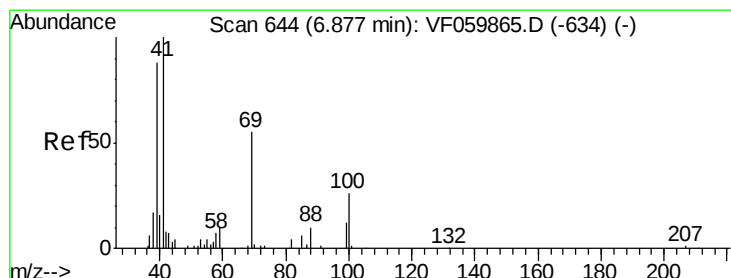
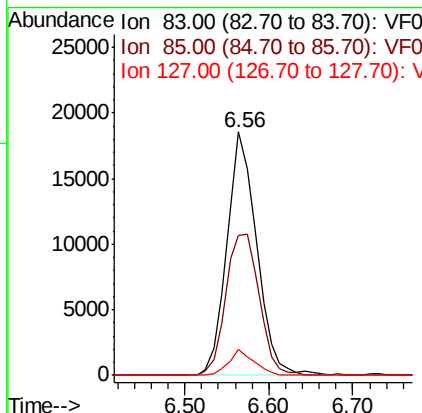
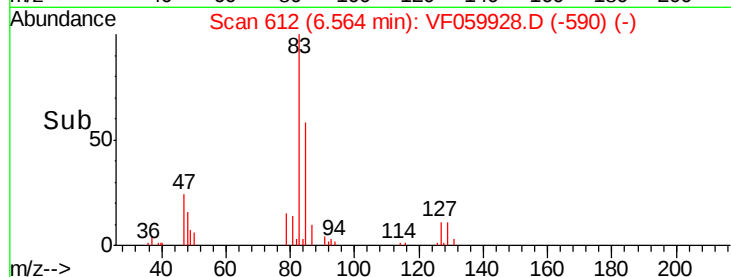
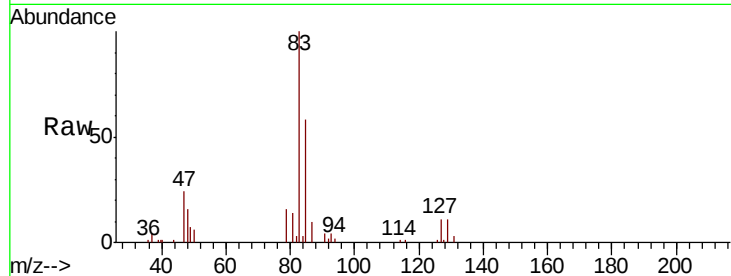
ClientSampleId :

VF0808SBSD01

Tot Ion:	83	Resp:	45721
Ion	Ratio	Lower	Upper
83	100		
85	57.7	50.7	76.1
127	10.5	8.0	12.0

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#48

Methyl methacrylate

Concen: 22.39 ug/l

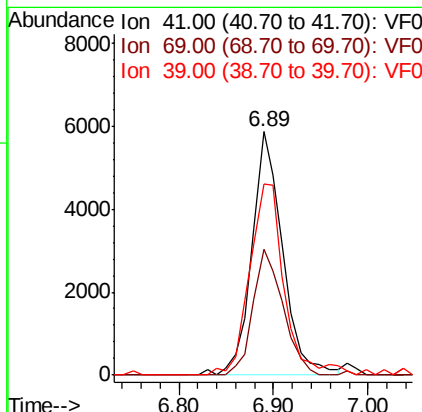
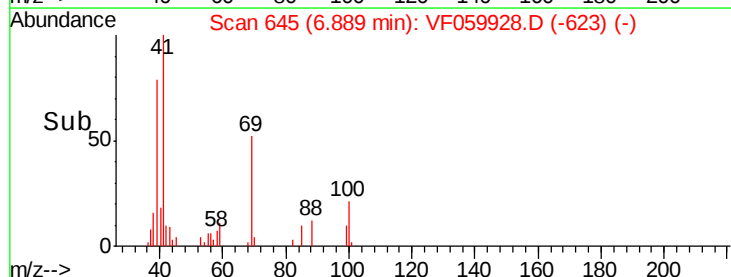
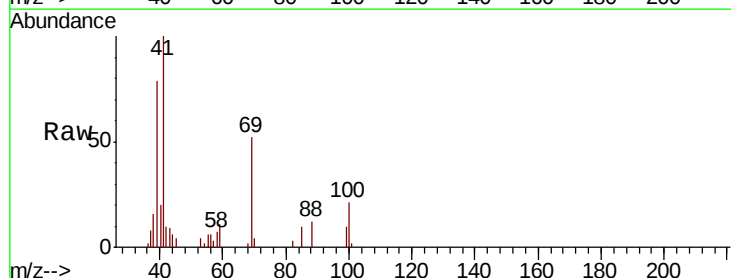
RT: 6.89 min Scan# 645

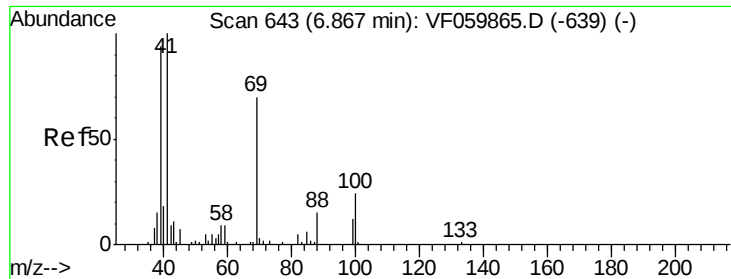
Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion:	41	Resp:	13265
Ion	Ratio	Lower	Upper
41	100		
69	51.5	44.4	66.6
39	78.7	70.6	106.0





#49

1,4-Dioxane

Concen: 528.73 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.03 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

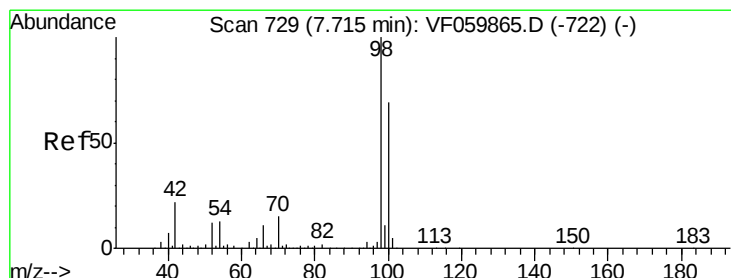
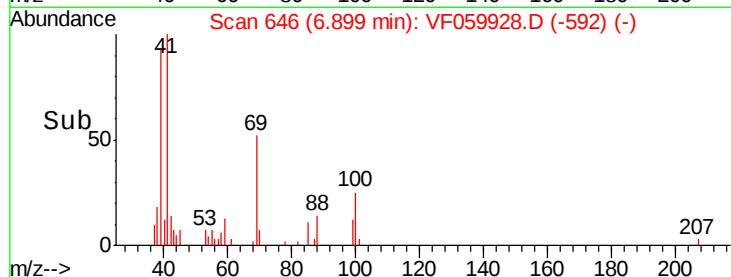
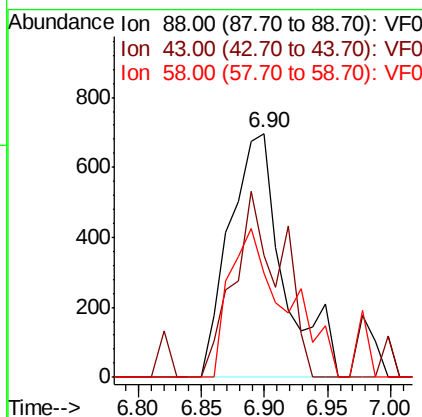
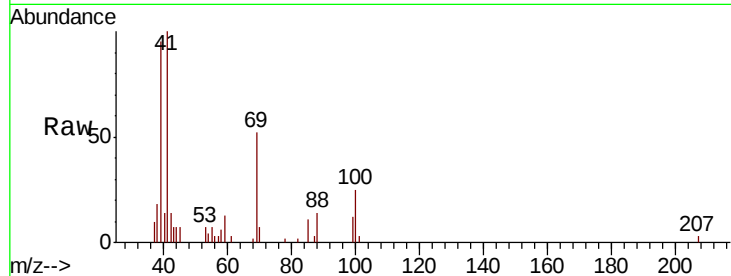
ClientSampleId :

VF0808SBSD01

Tot Ion:	88	Resp:	2075
Ion	Ratio	Lower	Upper
88	100		
43	49.9	58.3	87.5#
58	42.5	49.4	74.2#

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#50

Toluene-d8

Concen: 52.60 ug/l

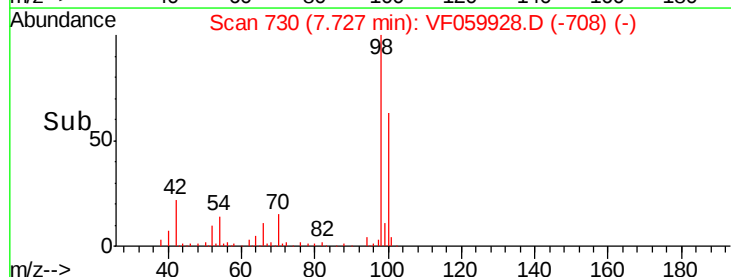
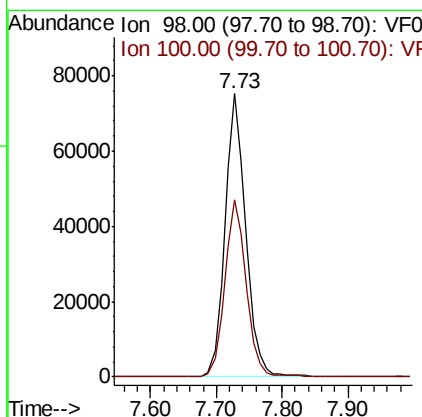
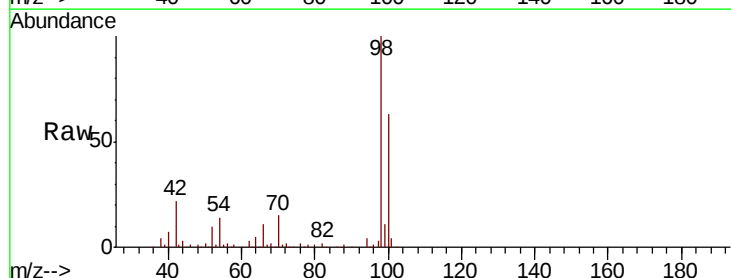
RT: 7.73 min Scan# 730

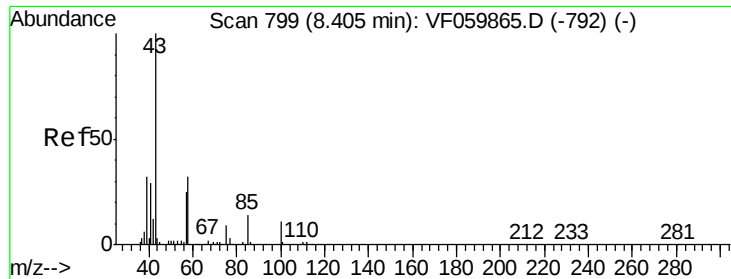
Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion:	98	Resp:	165816
Ion	Ratio	Lower	Upper
98	100		
100	62.8	55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 115.46 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion: 43 Resp: 89902

Ion Ratio Lower Upper

43 100

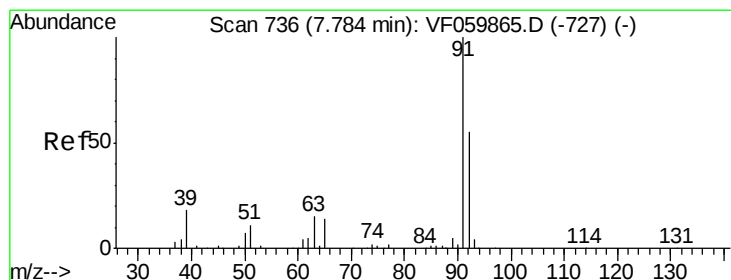
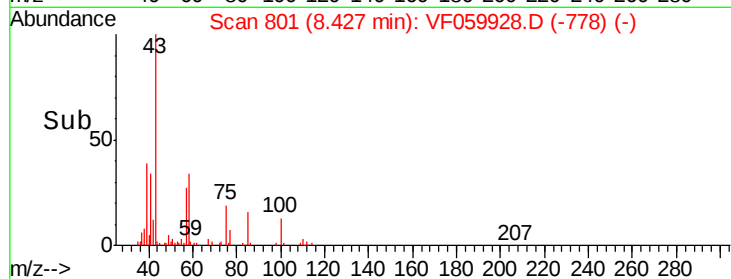
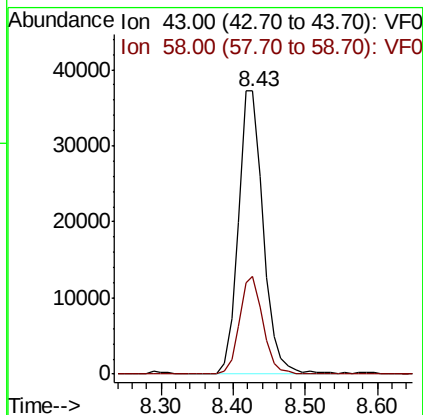
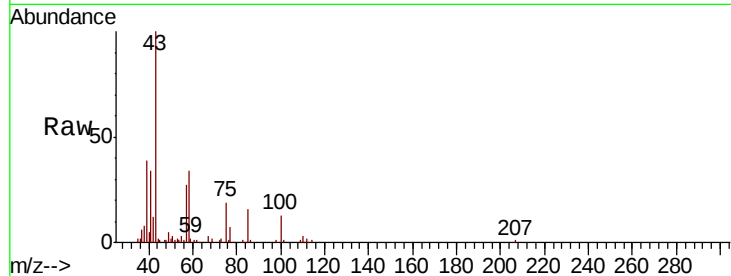
58 34.5 25.4 38.0

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#52

Toluene

Concen: 21.34 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF059928.D

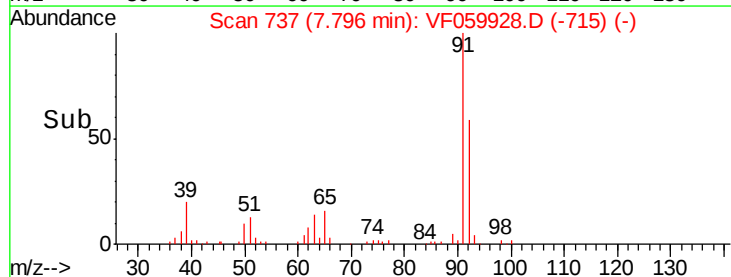
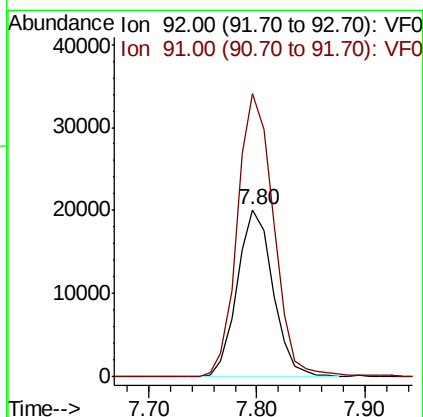
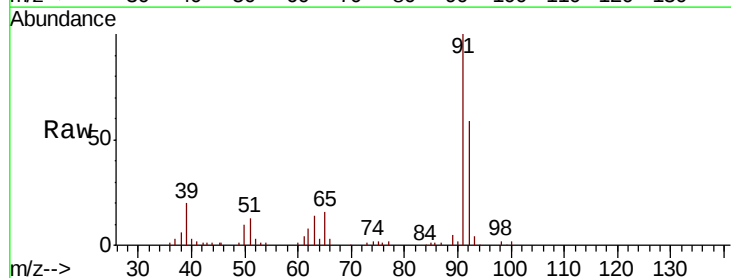
Acq: 8 Aug 2018 13:47

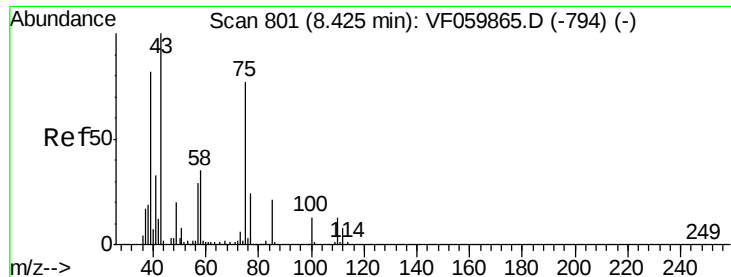
Tgt Ion: 92 Resp: 46434

Ion Ratio Lower Upper

92 100

91 169.2 145.7 218.5





#53

t-1,3-Dichloropropene

Concen: 22.11 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion: 75 Resp: 36682

Ion Ratio Lower Upper

75 100

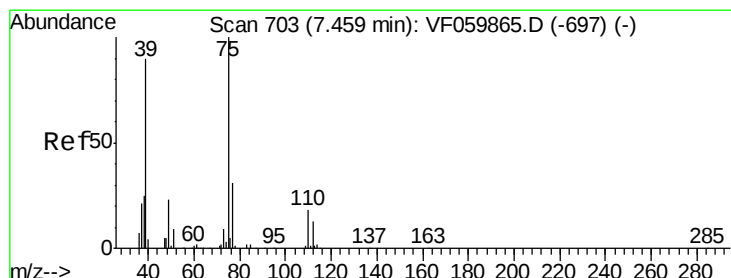
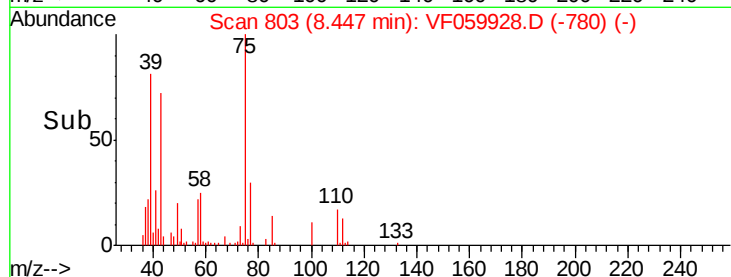
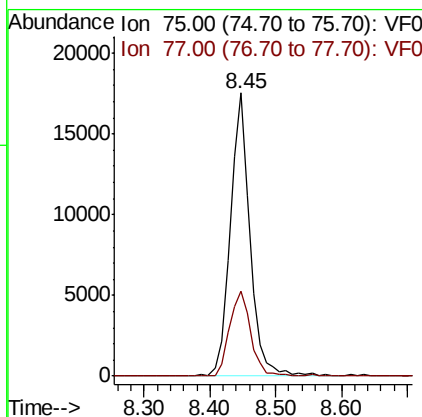
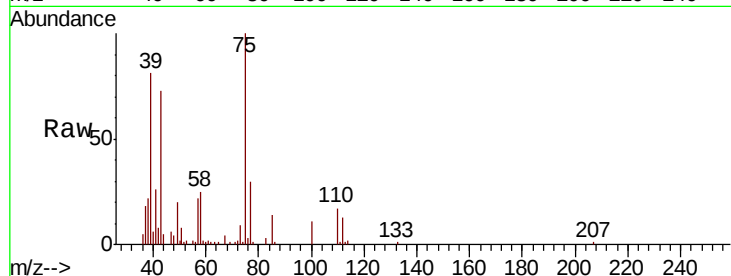
77 30.1 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 20.11 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

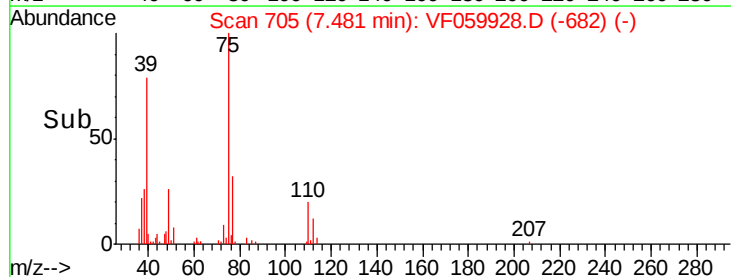
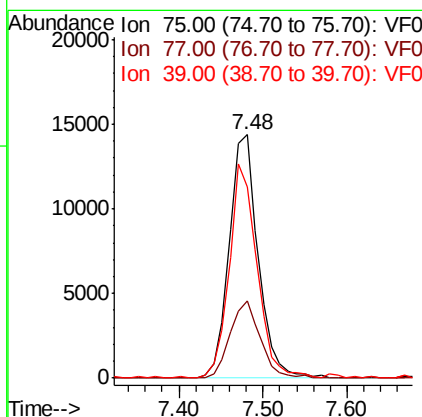
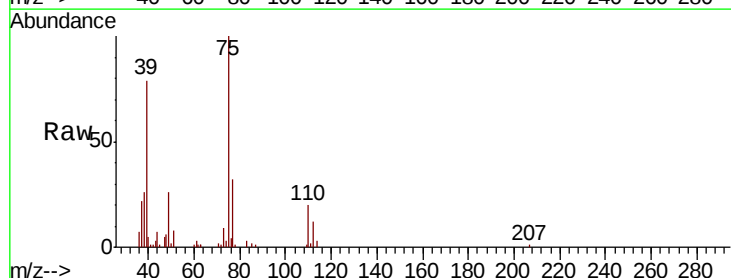
Tgt Ion: 75 Resp: 34446

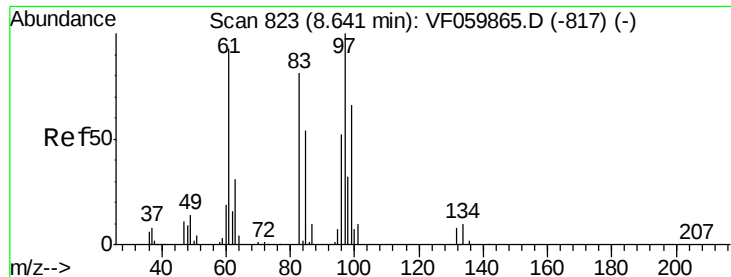
Ion Ratio Lower Upper

75 100

77 31.8 24.7 37.1

39 78.6 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 20.89 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

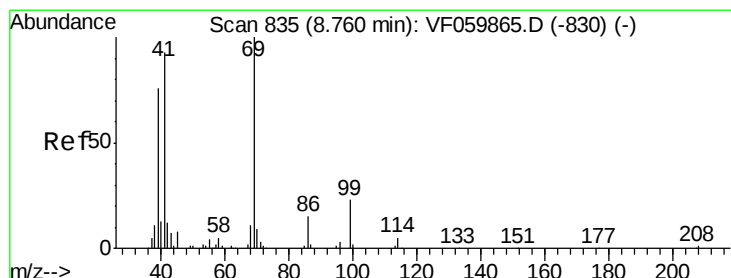
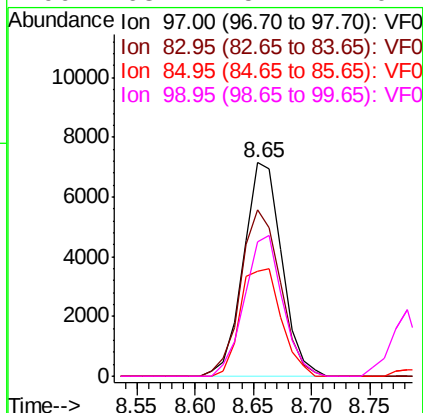
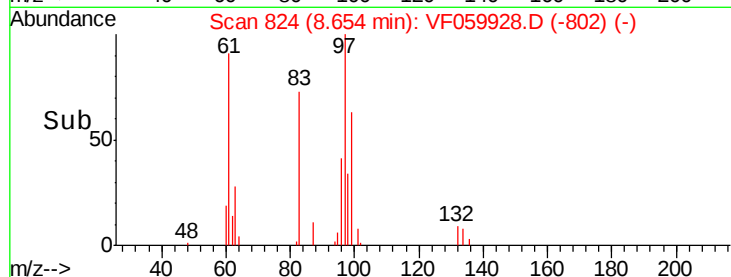
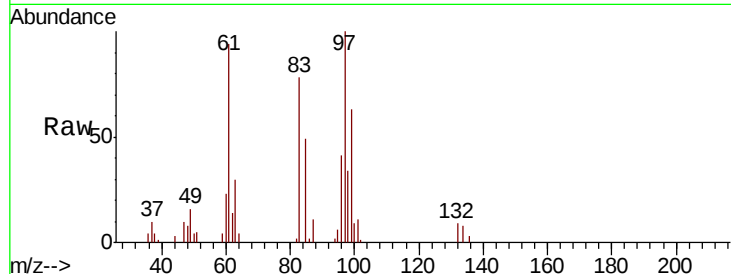
ClientSampleId :

VF0808SBSD01

Tot Ion:	97	Resp:	16359
Ion	Ratio	Lower	Upper
97	100		
83	78.1	64.4	96.6
85	49.3	43.1	64.7
99	63.1	52.7	79.1

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#56

Ethyl methacrylate

Concen: 21.54 ug/l

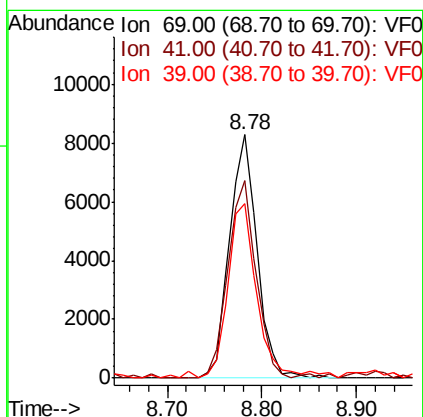
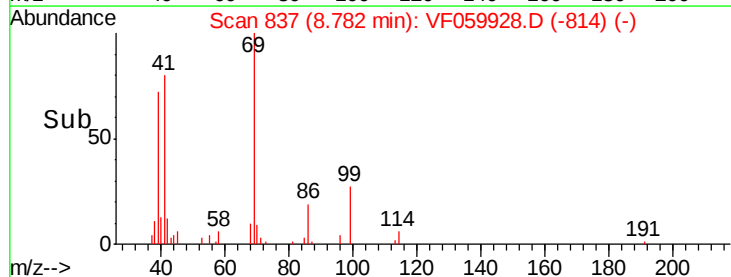
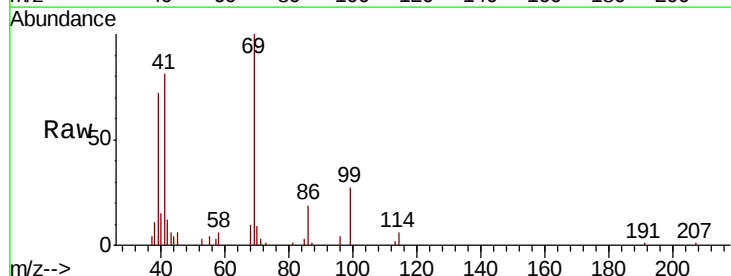
RT: 8.78 min Scan# 837

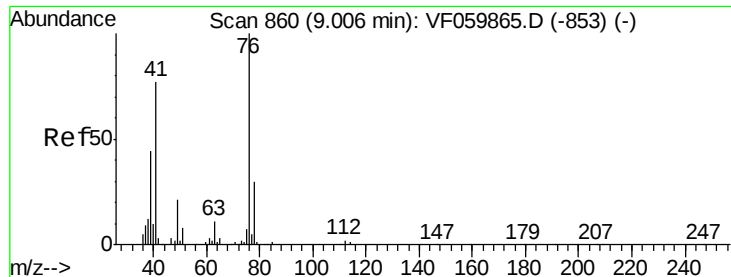
Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion:	69	Resp:	16738
Ion	Ratio	Lower	Upper
69	100		
41	81.1	74.7	112.1
39	71.9	61.1	91.7





#57

1,3-Dichloropropane

Concen: 22.54 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF059928.D

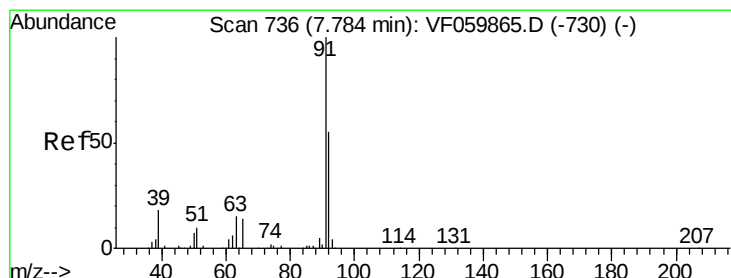
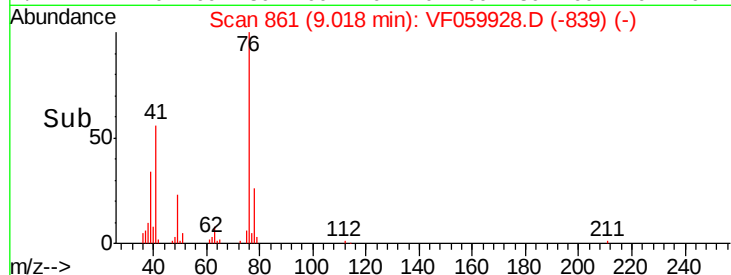
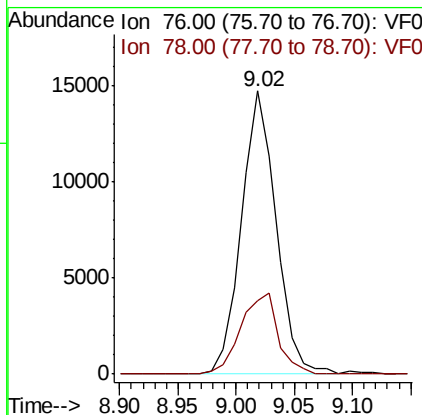
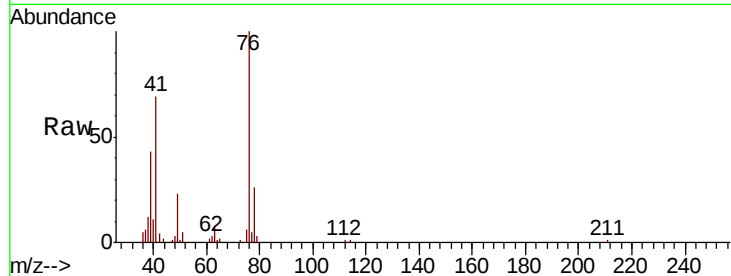
Acq: 8 Aug 2018 13:47

Tot Ion	Ratio	Lower	Upper
76	100		
78	26.0	24.2	36.2

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

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#58

2-Chloroethyl Vinyl ether

Concen: 108.41 ug/l

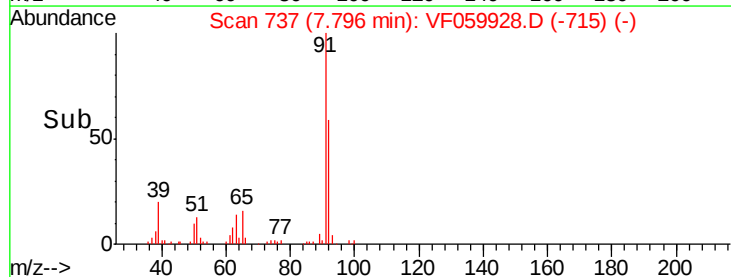
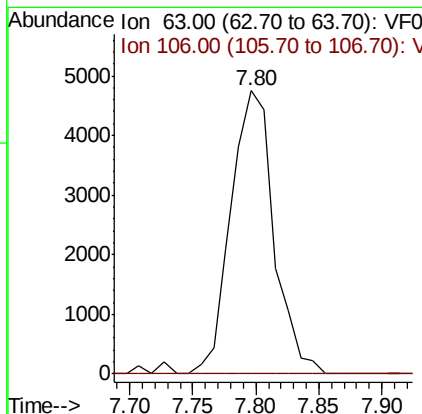
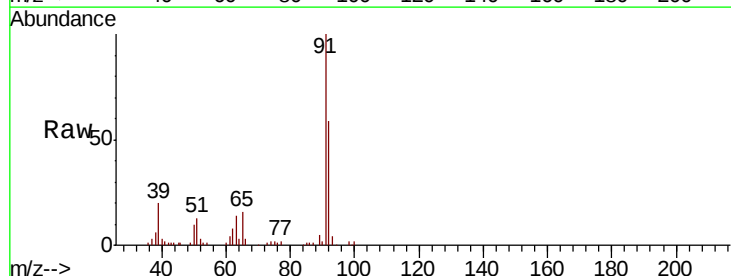
RT: 7.80 min Scan# 737

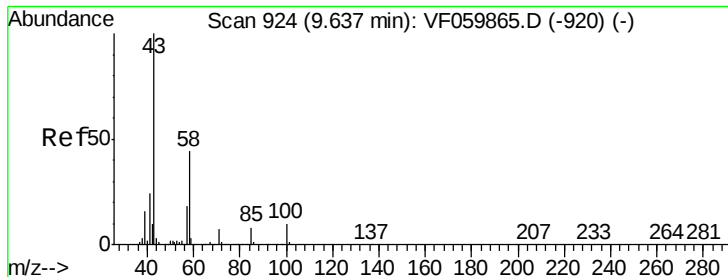
Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





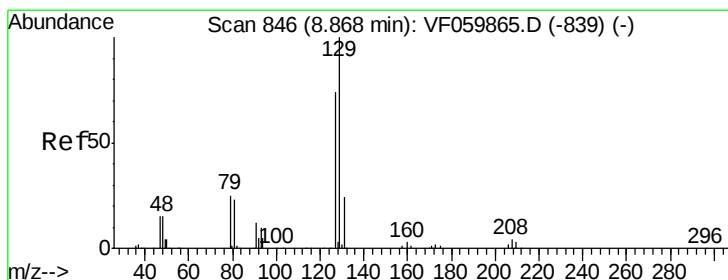
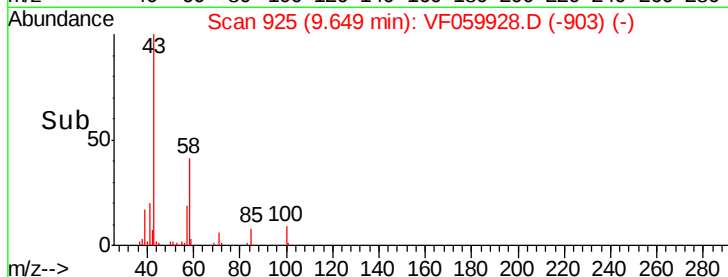
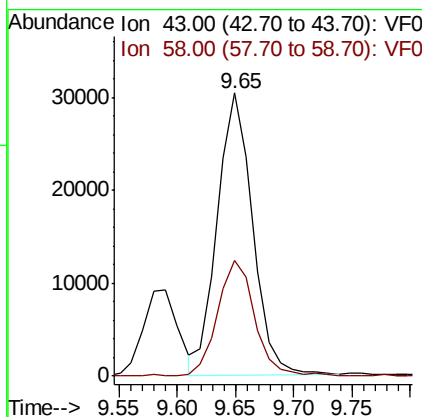
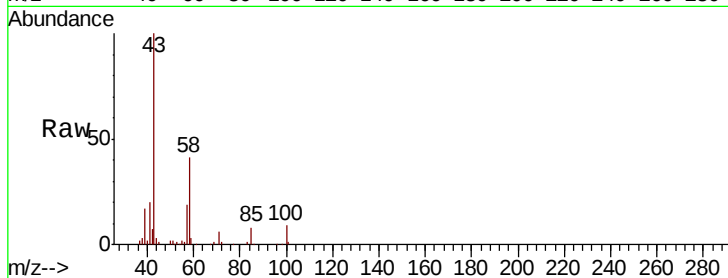
#59
2-Hexanone
Concen: 115.87 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	20.8	62.2

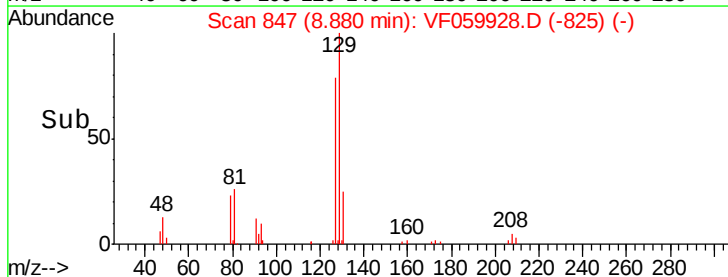
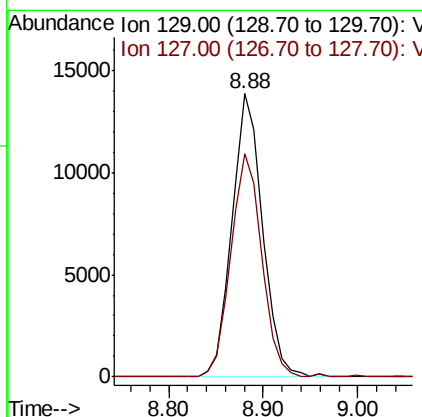
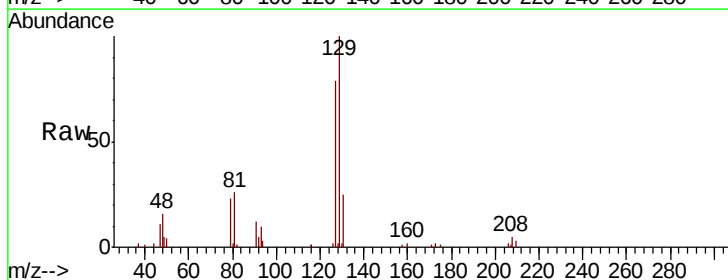
Manual Integrations
APPROVED

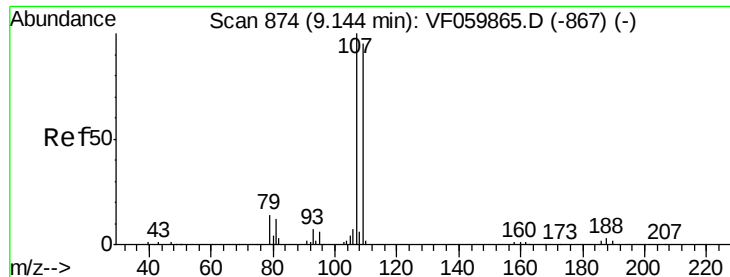
apatel
8/9/2018 10:55:52 AM



#60
Dibromochloromethane
Concen: 21.01 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	36.9	110.7





#61

1,2-Dibromoethane

Concen: 22.36 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion:107 Resp: 21332

Ion Ratio Lower Upper

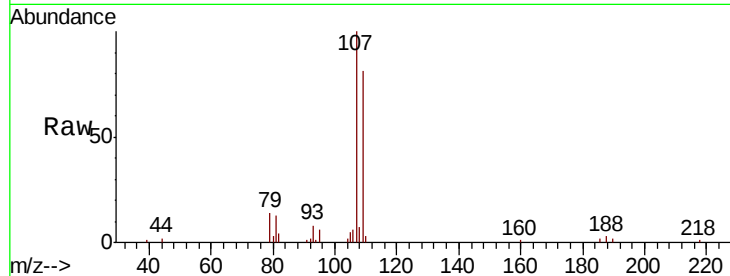
107 100

109 80.9 75.8 113.8

Manual Integrations
APPROVED

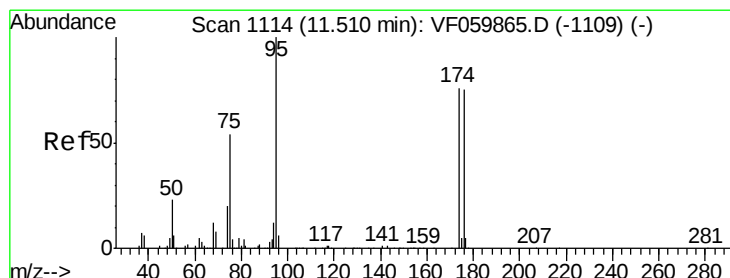
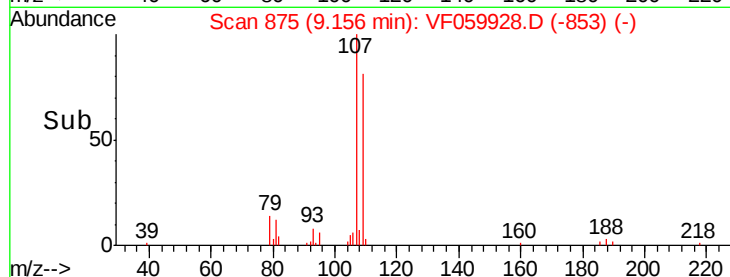
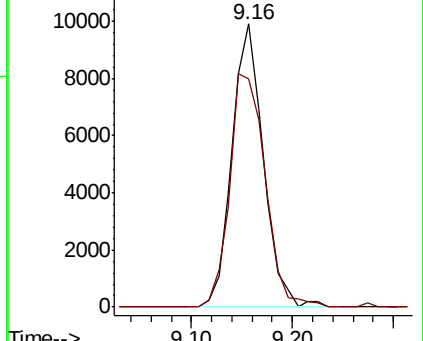
apatel

8/9/2018 10:55:52 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 54.75 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

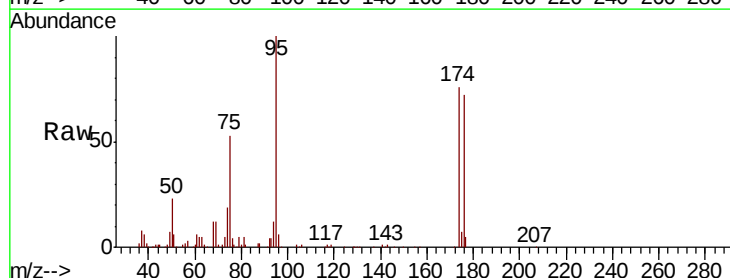
Tgt Ion: 95 Resp: 96981

Ion Ratio Lower Upper

95 100

174 76.4 0.0 151.6

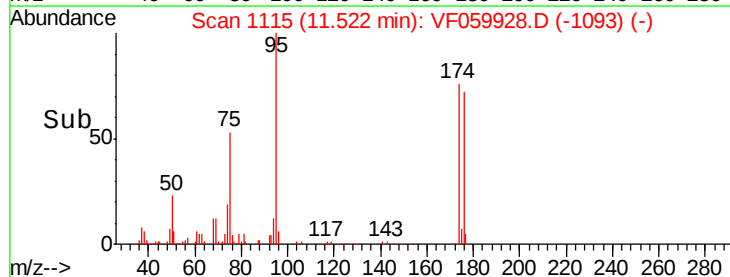
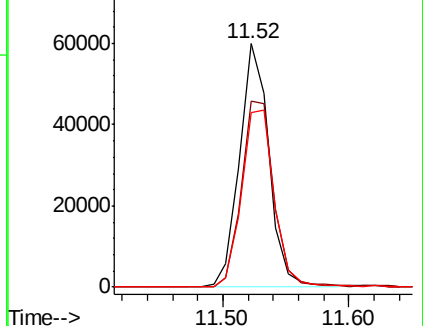
176 71.5 0.0 149.8

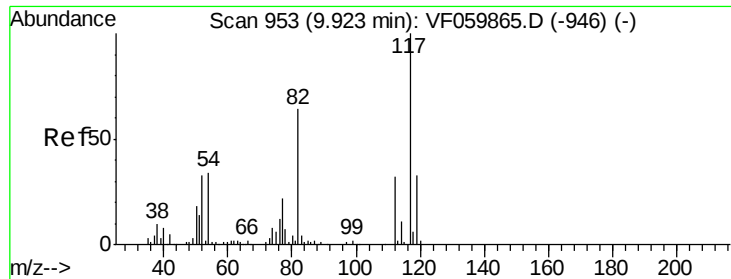


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





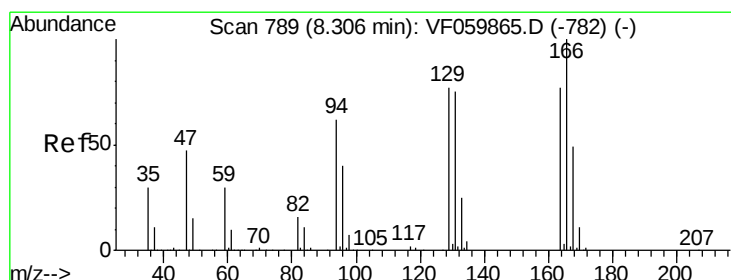
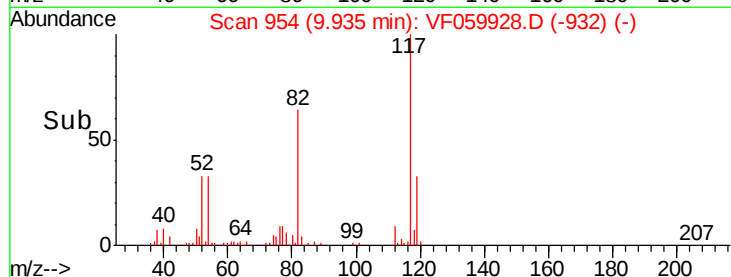
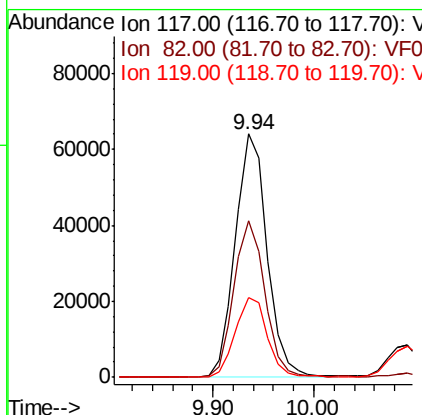
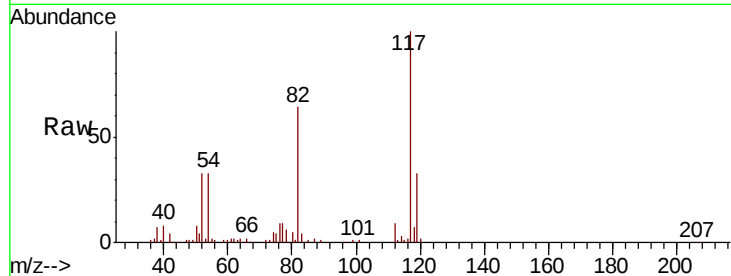
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	141383		
82	64.4	51.3	76.9	
119	32.5	26.4	39.6	

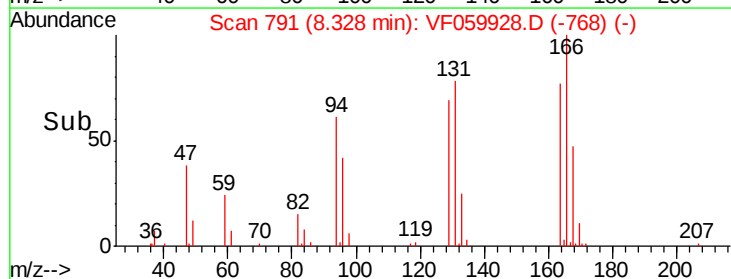
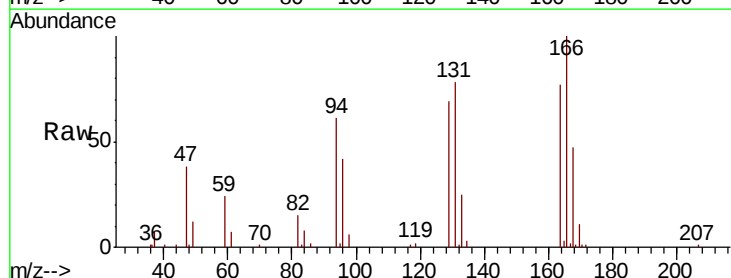
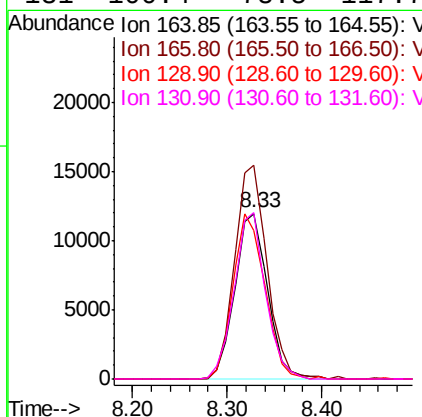
Manual Integrations
APPROVED

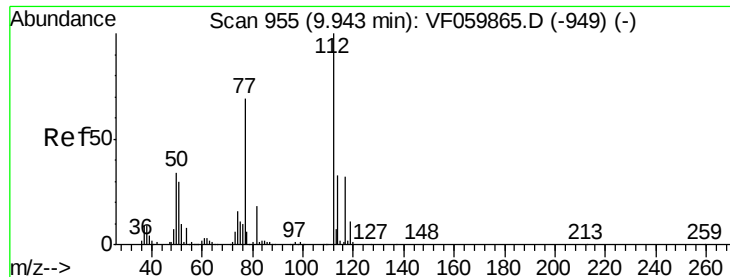
apatel
8/9/2018 10:55:52 AM



#64
Tetrachloroethene
Concen: 23.54 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28712		
166	129.0	104.4	156.6	
129	89.4	80.3	120.5	
131	100.4	78.5	117.7	





#65

Chlorobenzene

Concen: 21.62 ug/l

RT: 9.95 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion:112 Resp: 62030

Ion Ratio Lower Upper

112 100

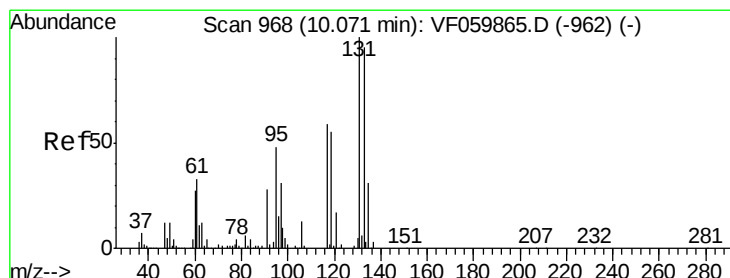
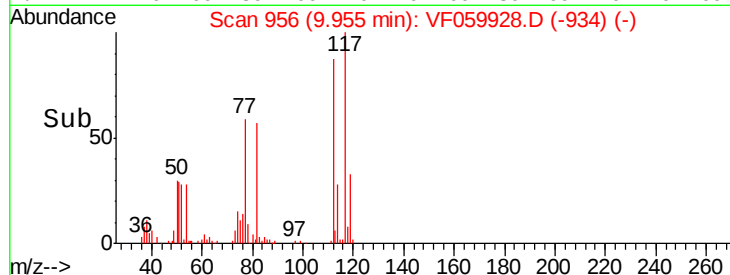
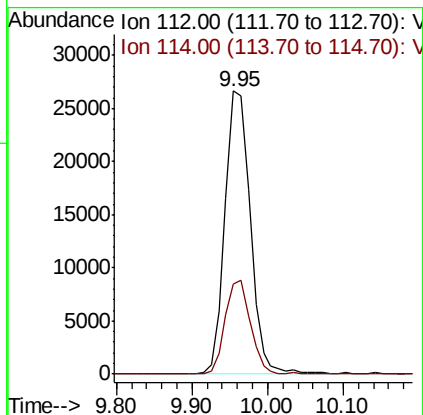
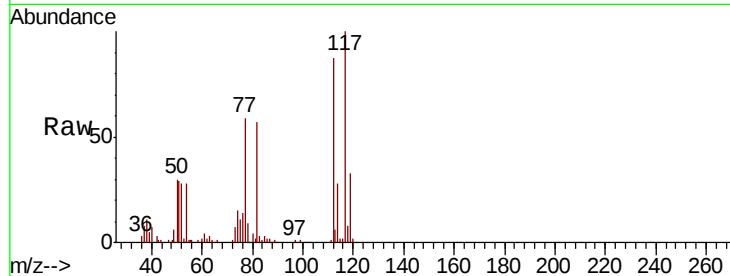
114 31.7 26.4 39.6

Manual Integrations

APPROVED

apatel

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.64 ug/l

RT: 10.09 min Scan# 970

Delta R.T. 0.02 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

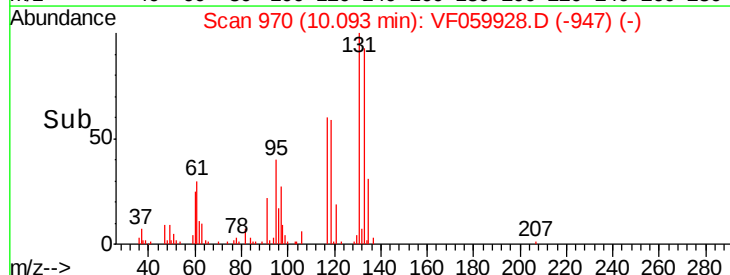
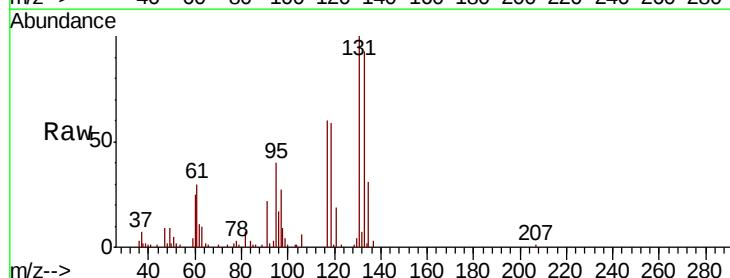
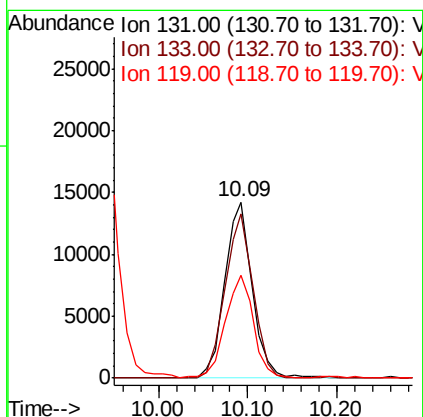
Tgt Ion:131 Resp: 30890

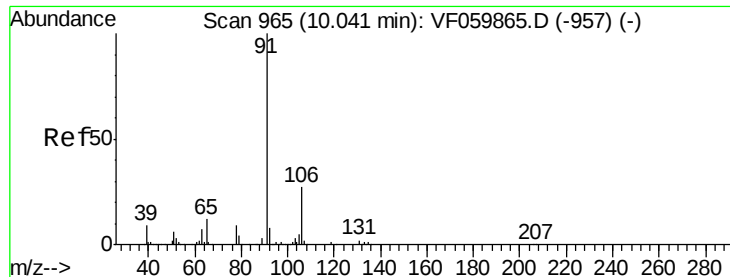
Ion Ratio Lower Upper

131 100

133 93.4 47.4 142.2

119 58.7 27.7 83.1





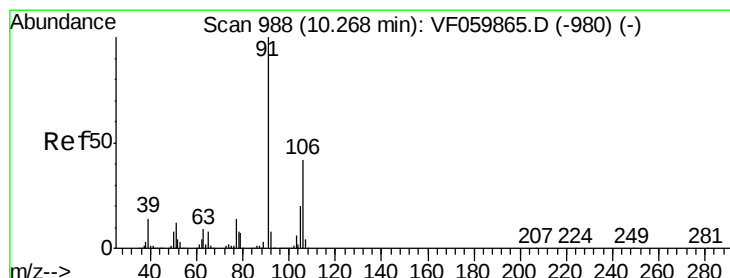
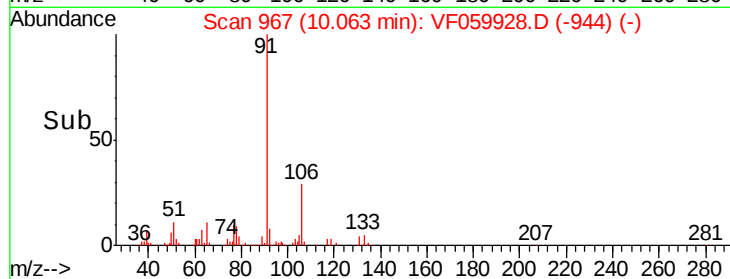
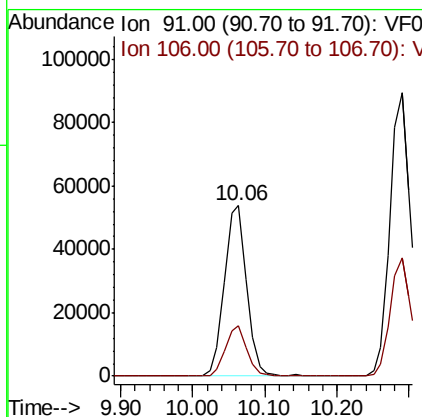
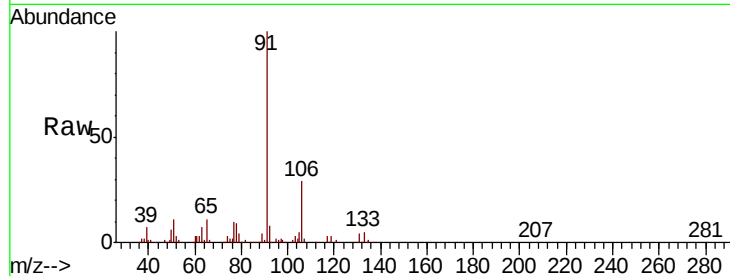
#67
Ethyl Benzene
Concen: 23.08 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	21.5	32.3

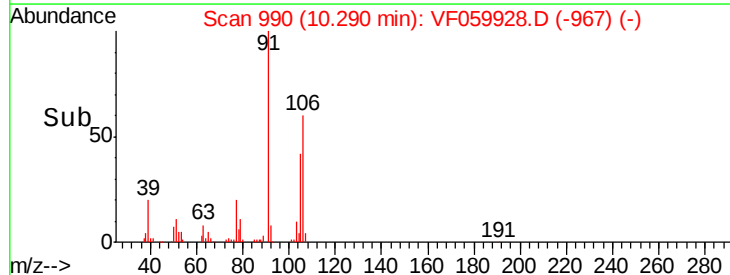
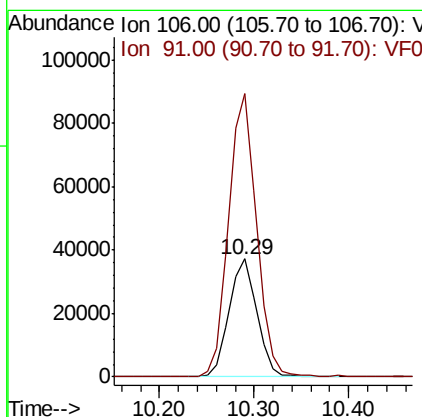
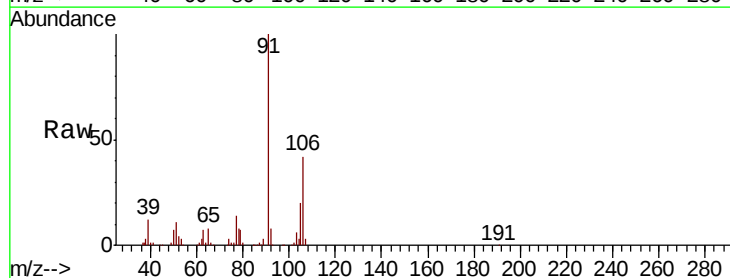
Manual Integrations
APPROVED

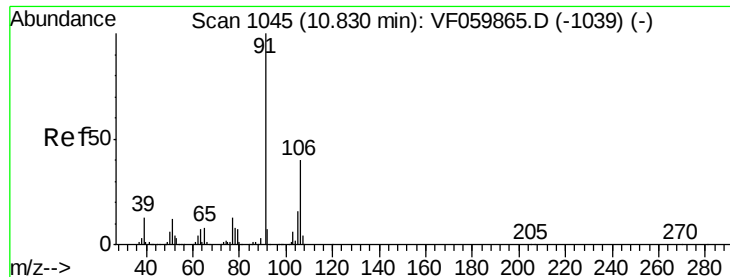
apatel
8/9/2018 10:55:52 AM



#68
m/p-Xylenes
Concen: 43.94 ug/l
RT: 10.29 min Scan# 990
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
106	100		
91	239.6	192.1	288.1





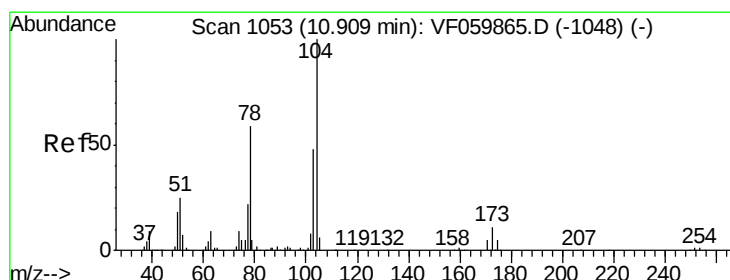
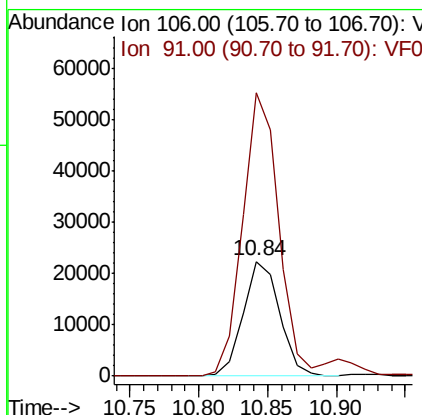
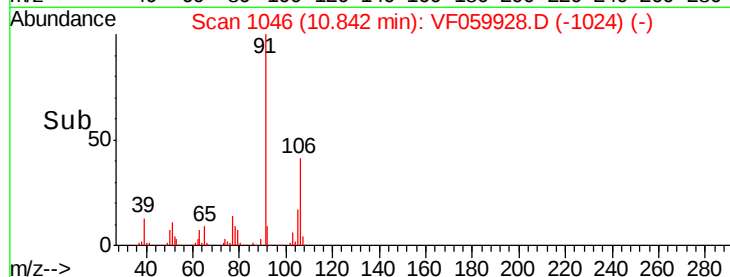
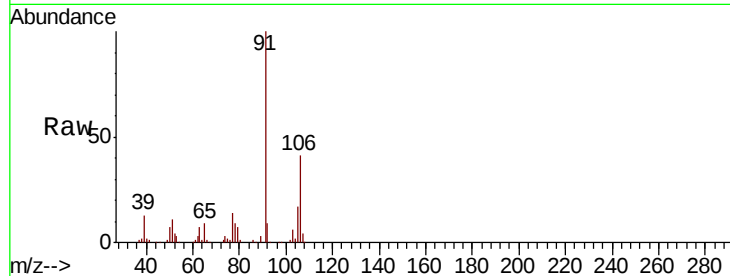
#69
o-Xylene
Concen: 22.75 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion:106 Resp: 41651
Ion Ratio Lower Upper
106 100
91 246.6 125.4 376.2

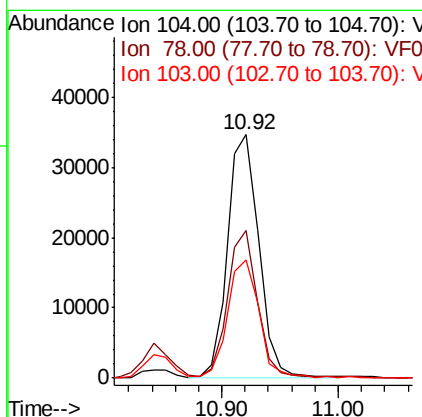
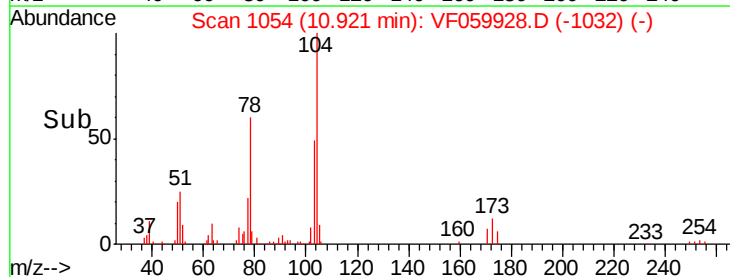
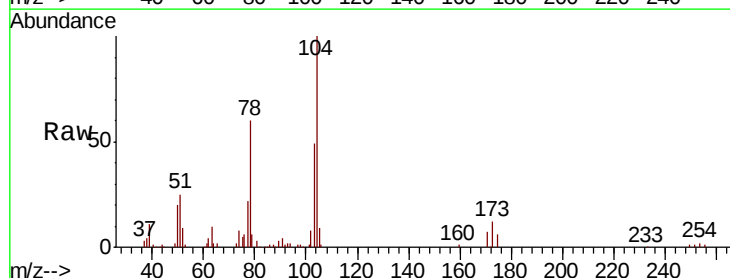
Manual Integrations
APPROVED

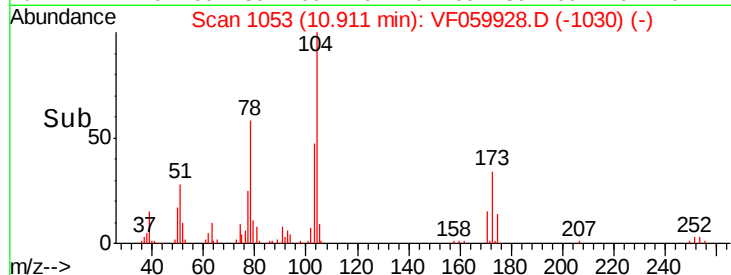
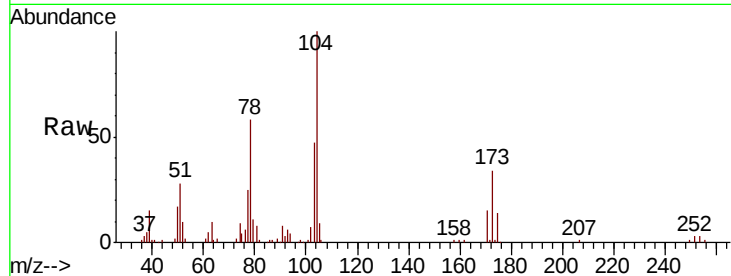
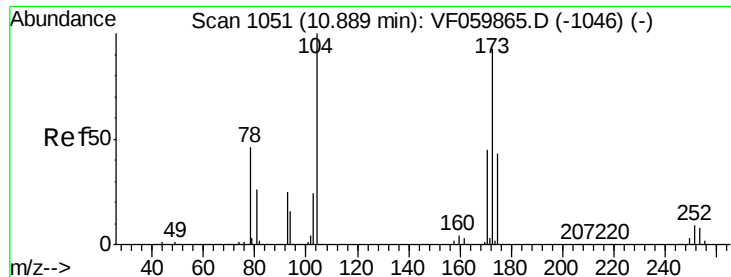
apatel
8/9/2018 10:55:52 AM



#70
Styrene
Concen: 23.83 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion:104 Resp: 65113
Ion Ratio Lower Upper
104 100
78 60.4 47.3 70.9
103 48.5 39.0 58.4





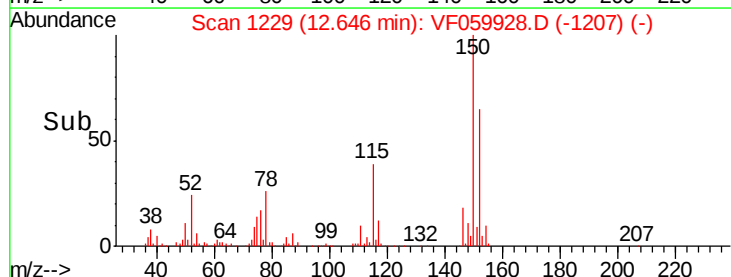
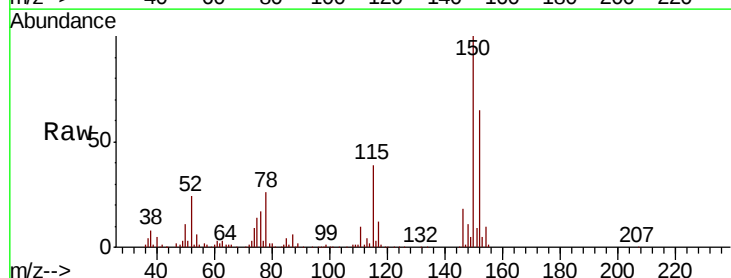
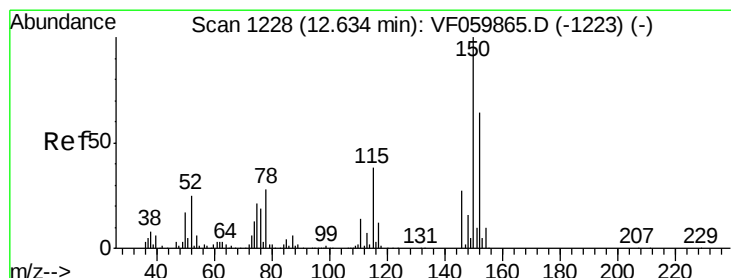
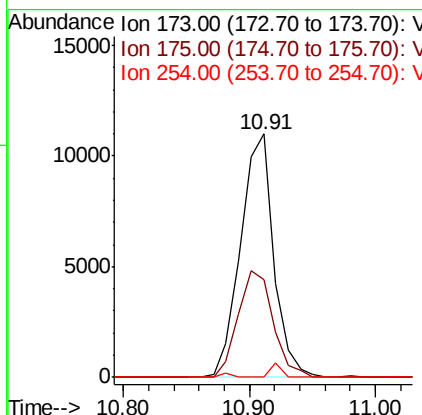
#71
Bromoform
Concen: 22.87 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tot Ion	Ratio	Lower	Upper
173	100		
175	40.3	23.4	70.2
254	0.0	0.0	0.0

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

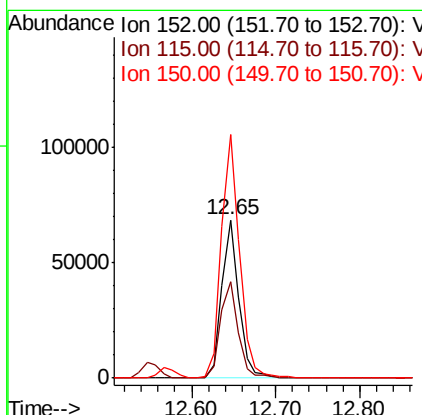
Manual Integrations
APPROVED

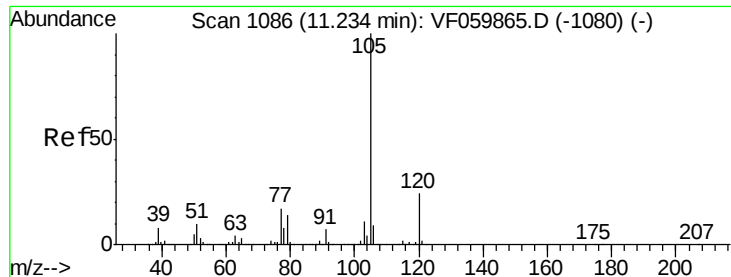
apatel
8/9/2018 10:55:52 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.8	89.4
150	154.1	0.0	315.6





#73

Isopropylbenzene

Concen: 21.92 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBSD01

Tot Ion: 105 Resp: 132696

Ion Ratio Lower Upper

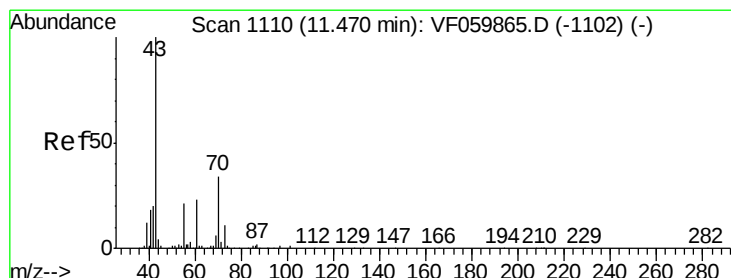
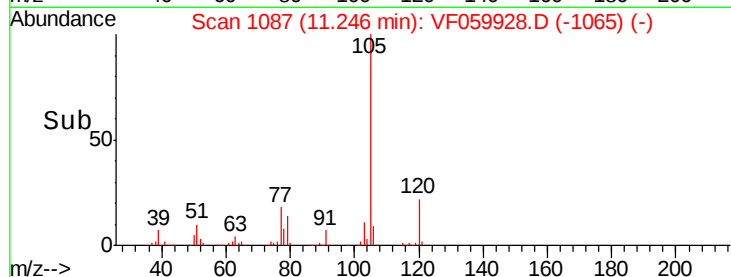
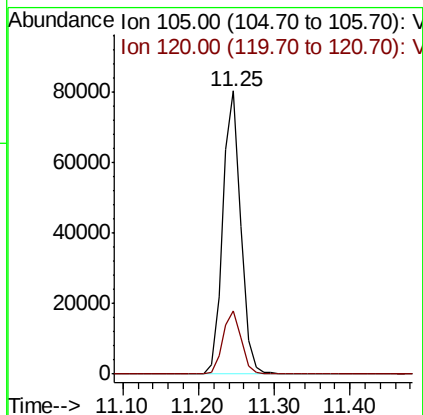
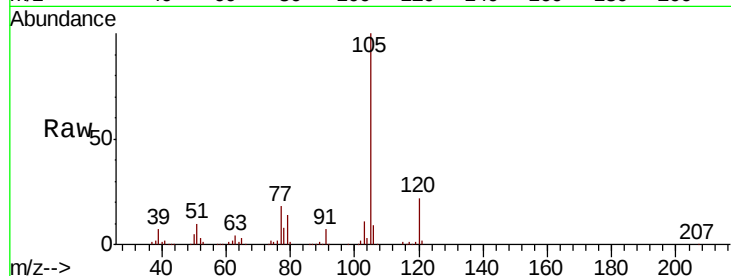
105 100

120 22.3 12.1 36.3

Manual Integrations
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apatel

8/9/2018 10:55:52 AM



#74

N-ethyl acetate

Concen: 20.29 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion: 43 Resp: 27596

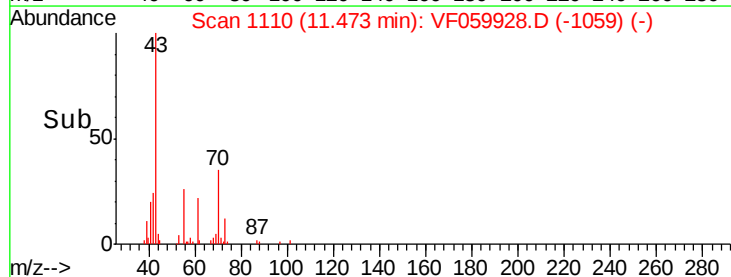
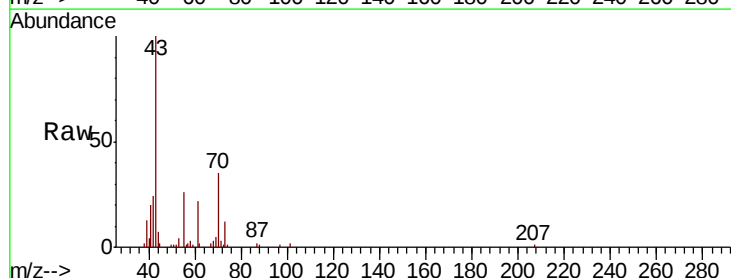
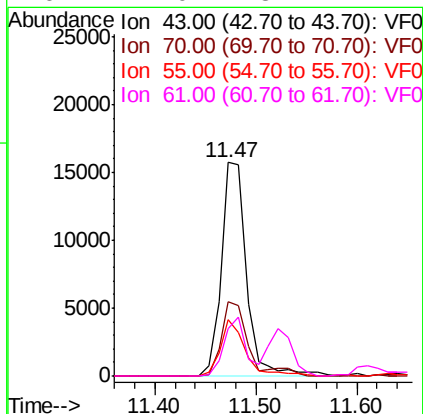
Ion Ratio Lower Upper

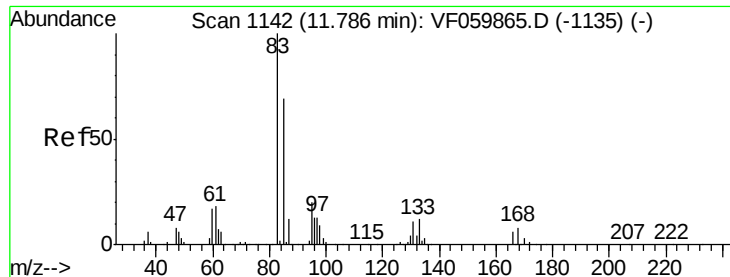
43 100

70 34.9 27.5 41.3

55 26.2 16.6 25.0#

61 22.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.96 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

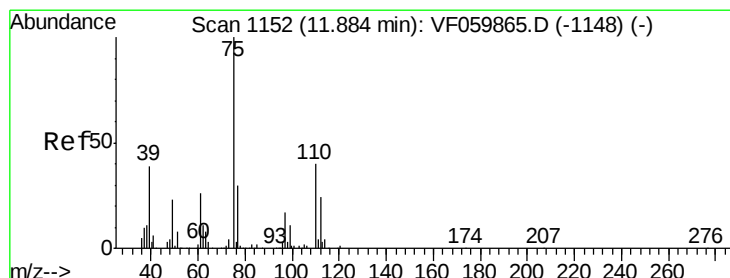
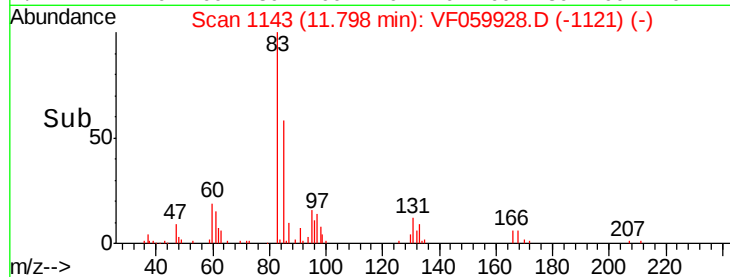
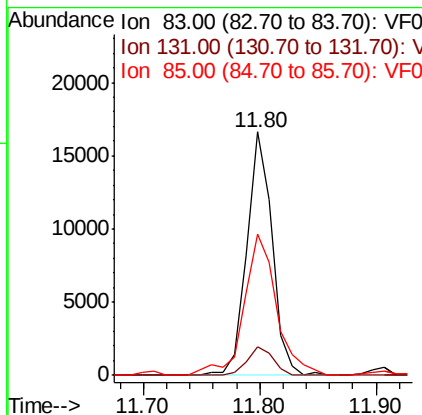
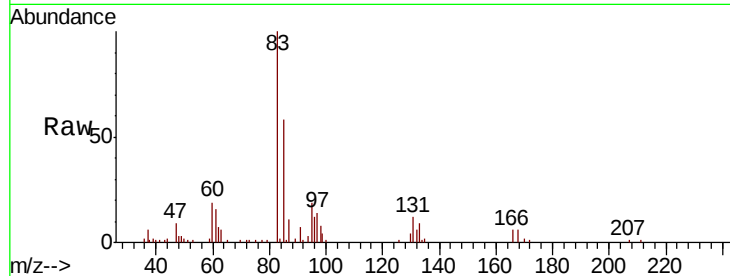
ClientSampleId :

VF0808SBSD01

Tot Ion:	83	Resp:	24963
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.3	15.9
85	58.1	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 20.59 ug/l

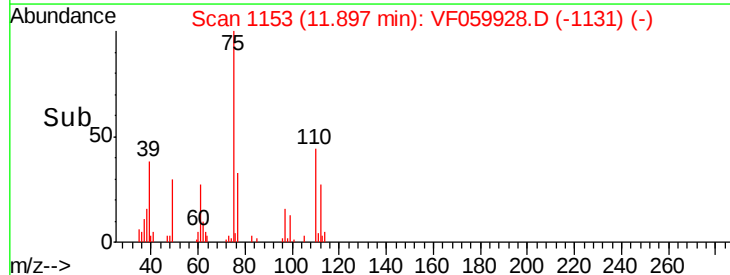
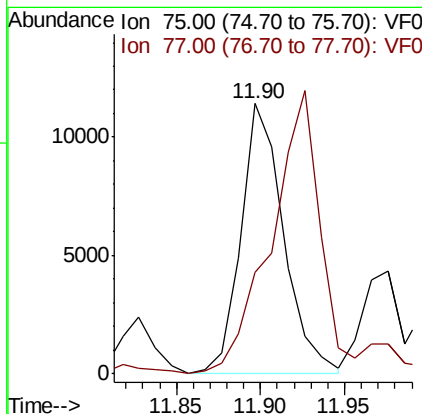
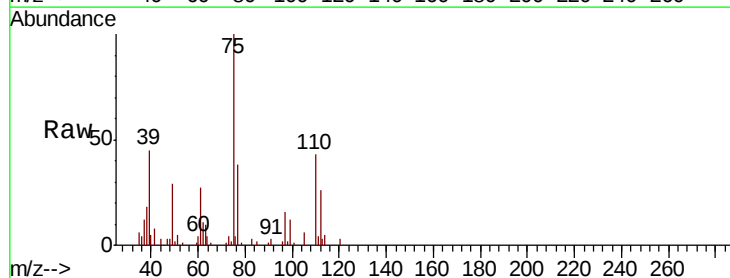
RT: 11.90 min Scan# 1153

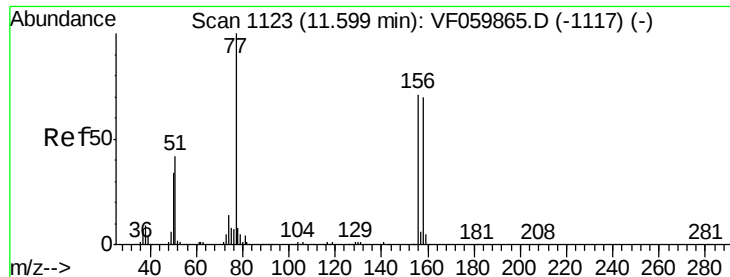
Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Tgt Ion:	75	Resp:	20104
Ion Ratio	Lower	Upper	
75	100		
77	37.7	15.4	46.2





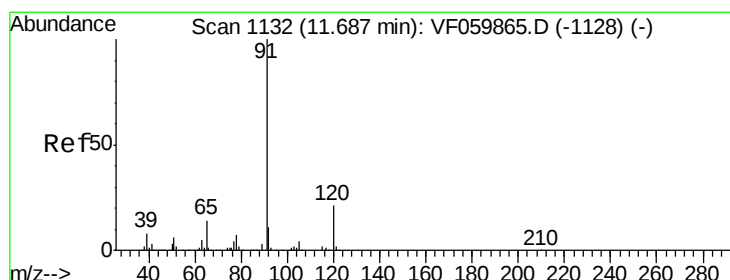
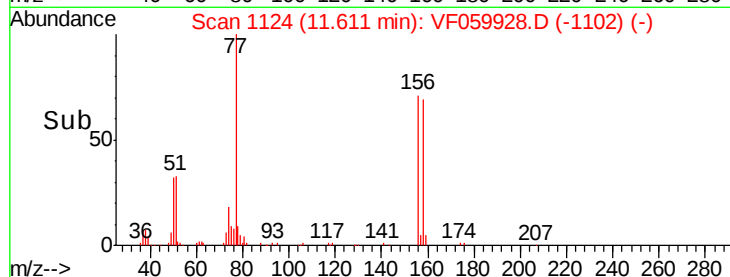
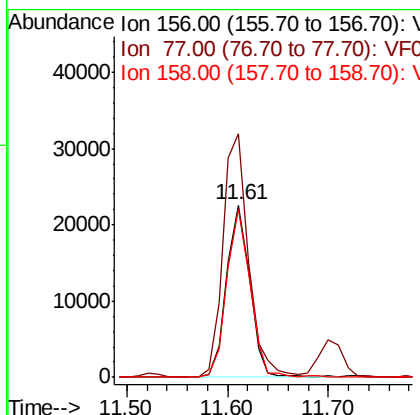
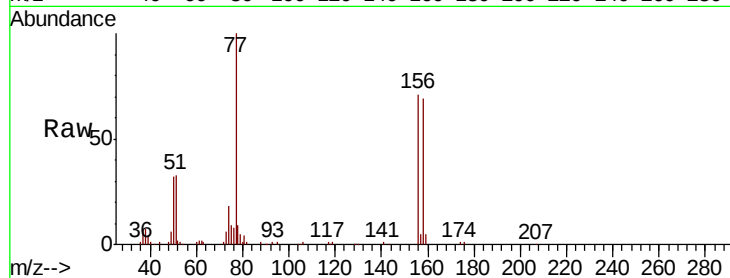
#77
Bromobenzene
Concen: 22.15 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	141.4	70.2	210.6	
158	97.3	49.2	147.6	

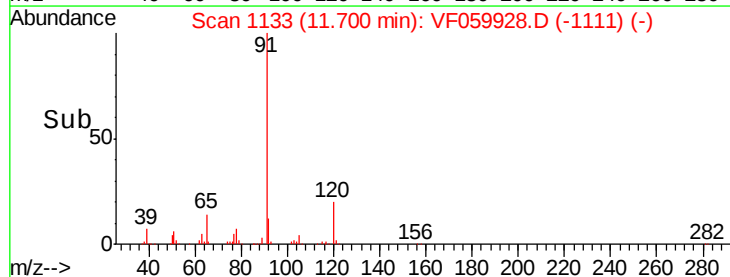
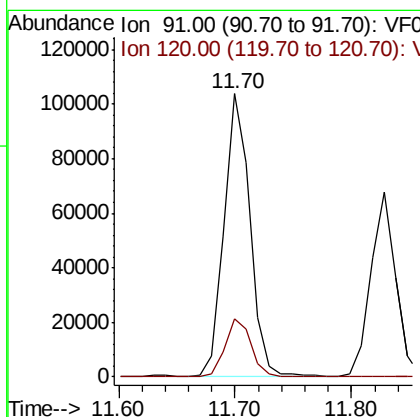
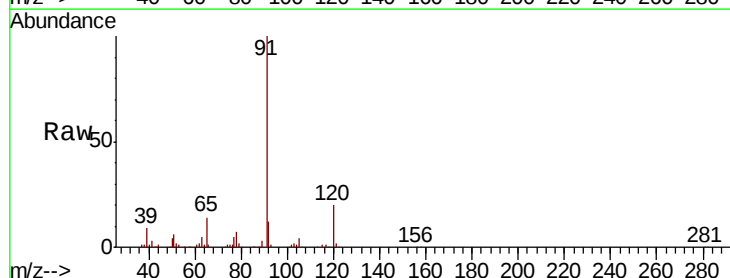
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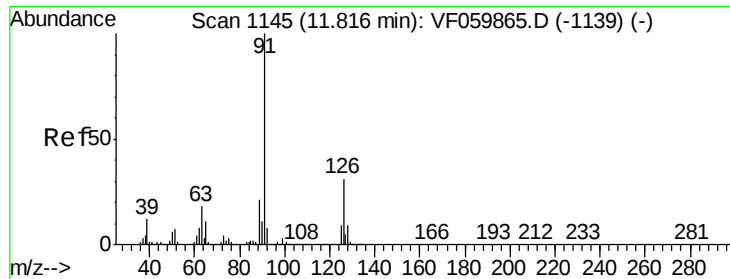
apatel
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#78
n-propylbenzene
Concen: 22.32 ug/l
RT: 11.70 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

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





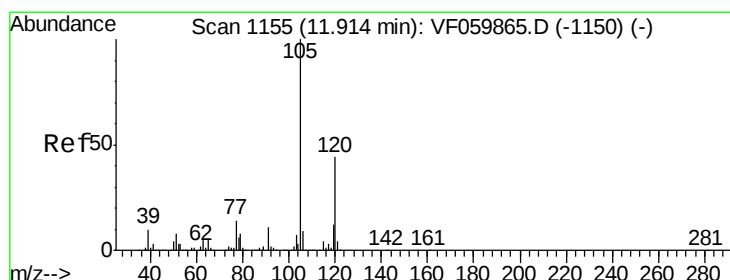
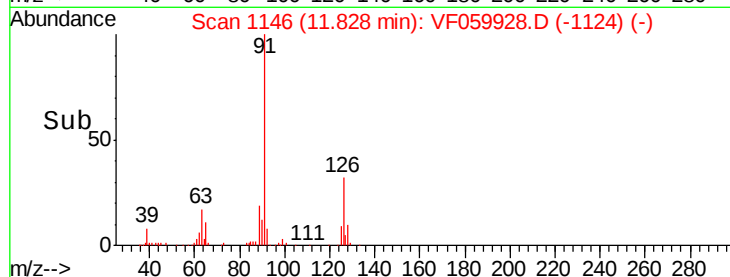
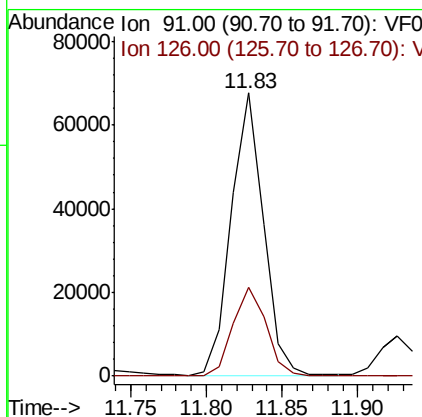
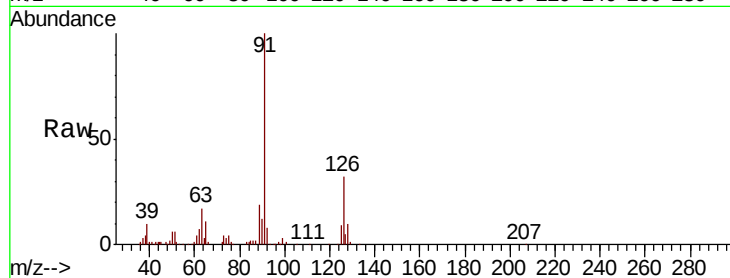
#79
 2-Chlorotoluene
 Concen: 22.16 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.7

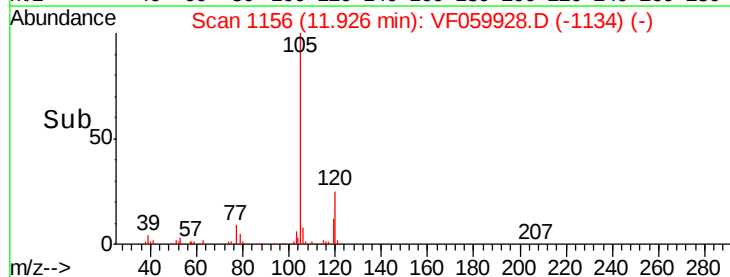
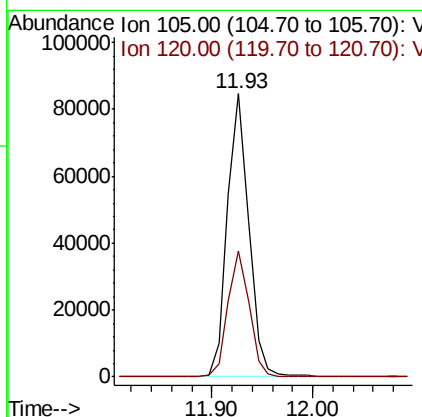
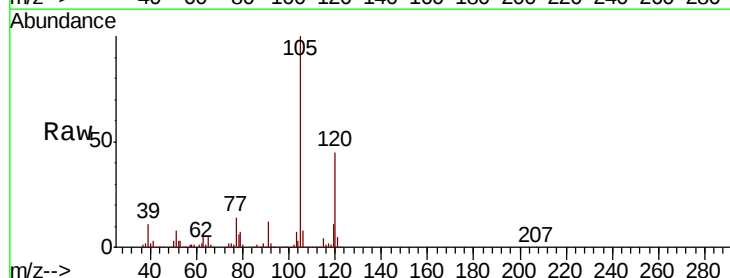
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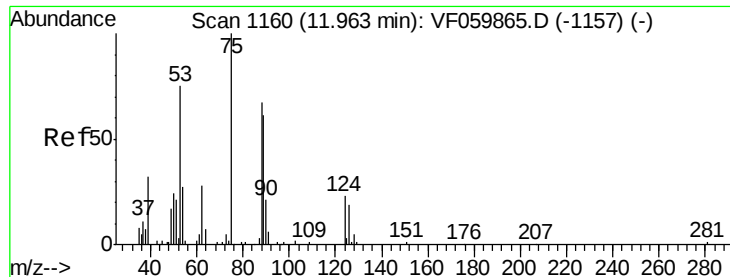
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.37 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.9	65.7





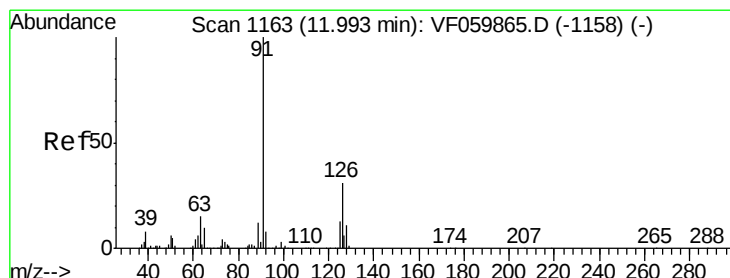
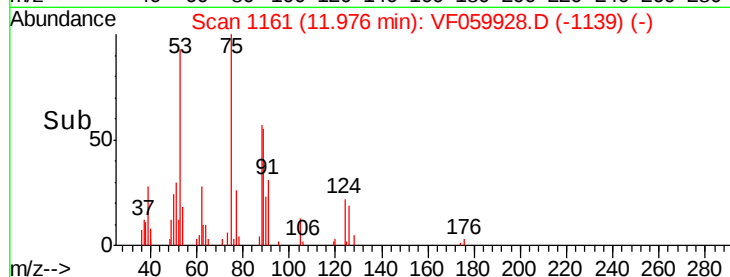
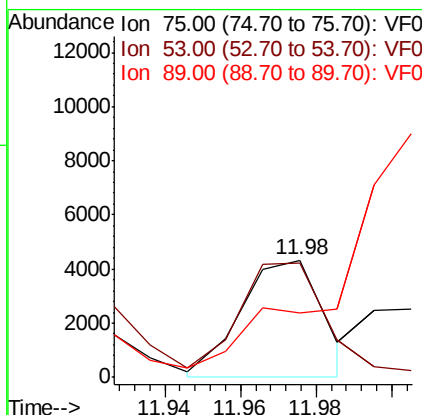
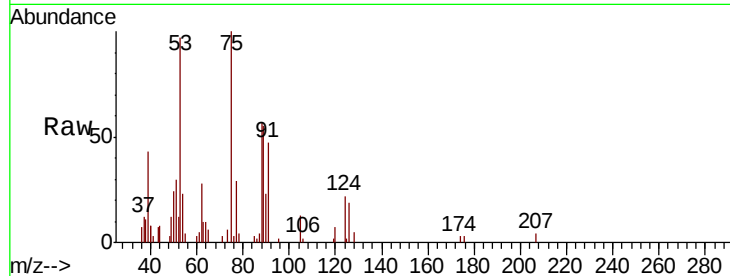
#81
trans-1,4-Dichloro-2-butene
Concen: 18.64 ug/l m
RT: 11.98 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	65.9	98.9
89	54.6	50.6	76.0

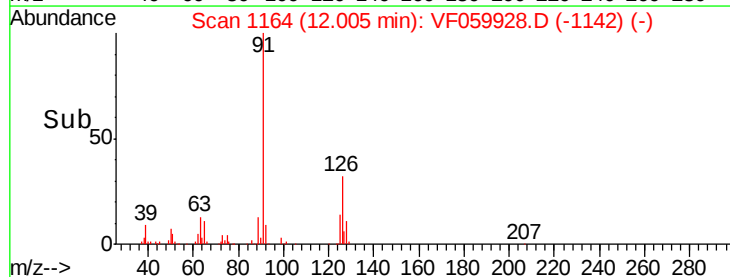
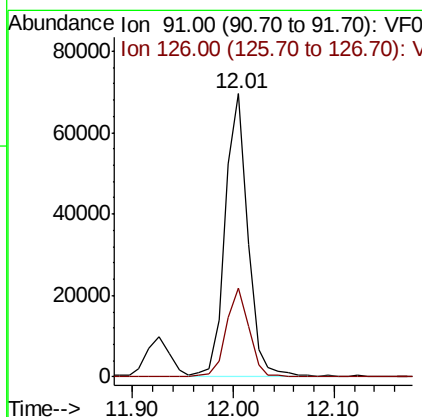
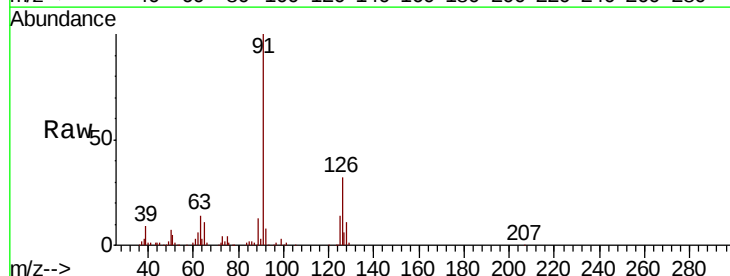
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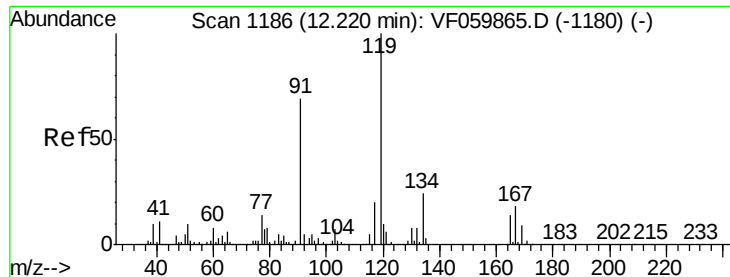
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#82
4-Chlorotoluene
Concen: 21.91 ug/l
RT: 12.01 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.0





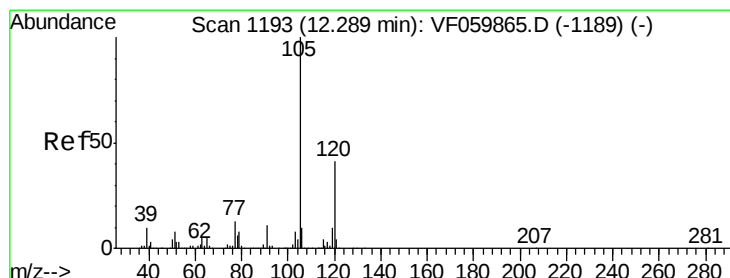
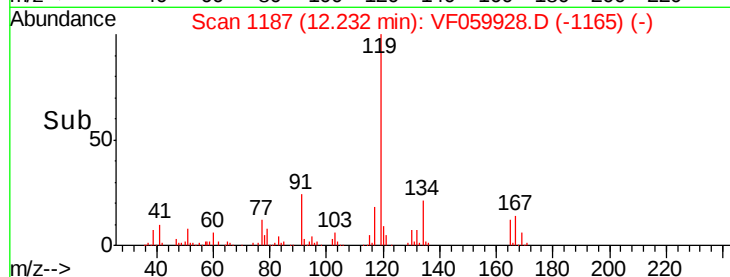
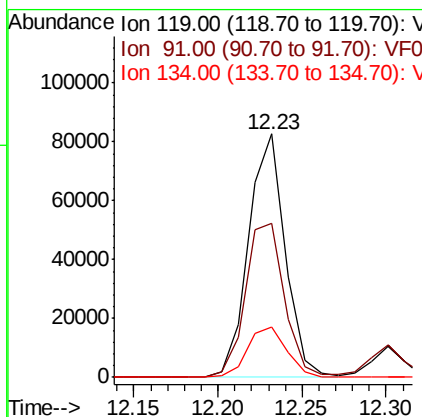
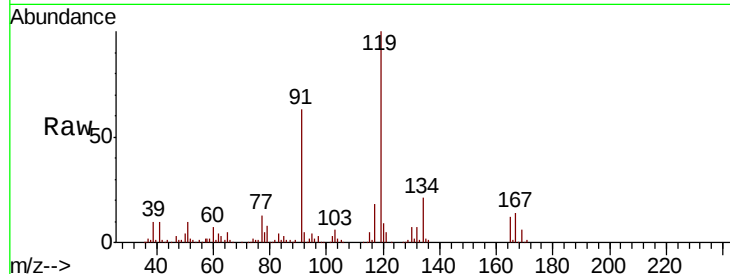
#83
 tert-Butylbenzene
 Concen: 22.79 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	124730		
91	63.3	34.4	103.2	
134	20.9	12.1	36.3	

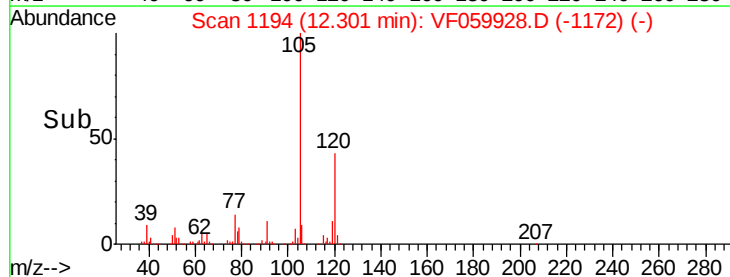
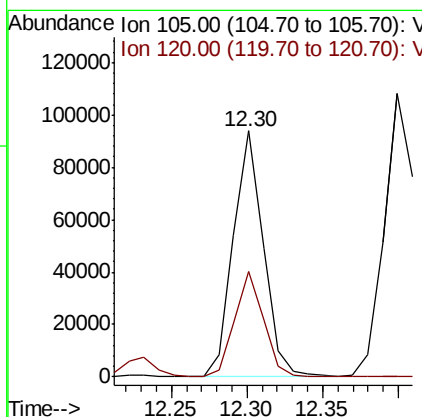
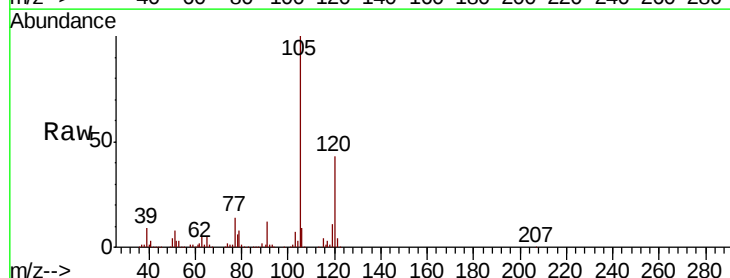
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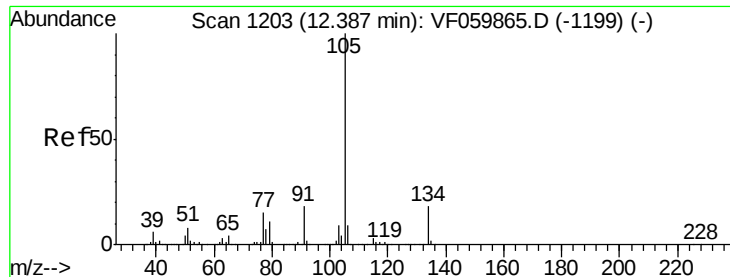
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.57 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	130472		
120	43.0	20.8	62.5	





#85

sec-Butylbenzene

Concen: 21.94 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0808SBS01

Tot Ion:105 Resp: 159494

Ion Ratio Lower Upper

105 100

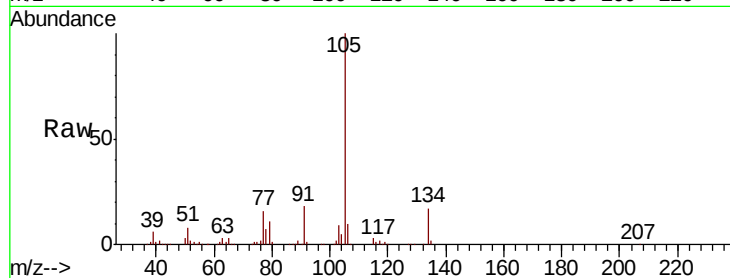
134 17.3 9.1 27.3

Manual Integrations

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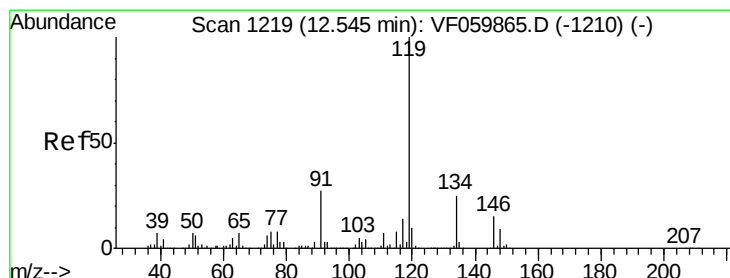
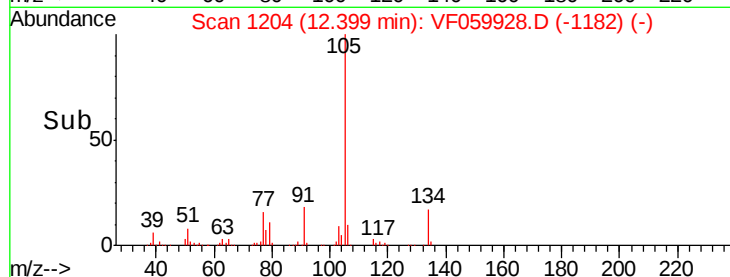
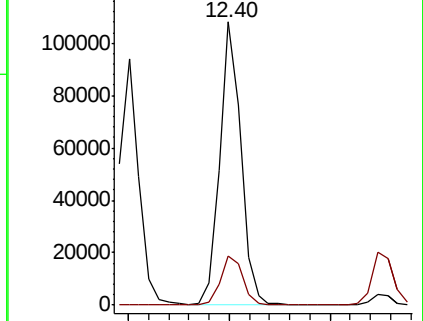
apatel

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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: 20.97 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059928.D

Acq: 8 Aug 2018 13:47

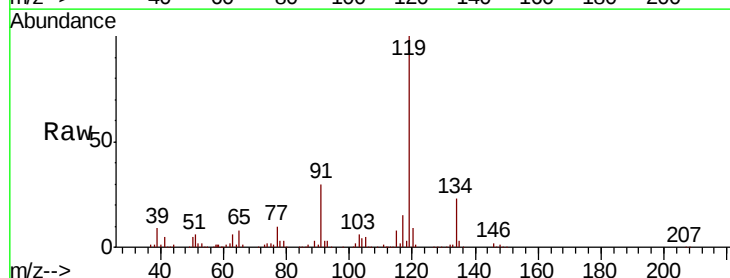
Tgt Ion:119 Resp: 128171

Ion Ratio Lower Upper

119 100

134 23.3 12.4 37.0

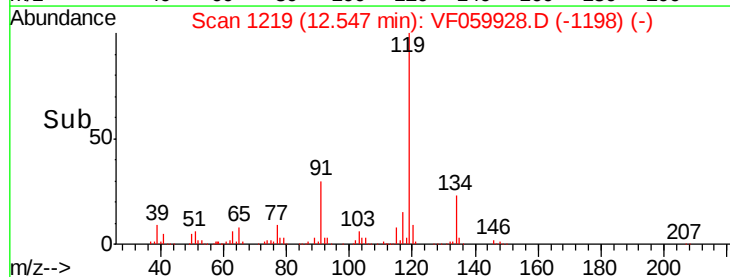
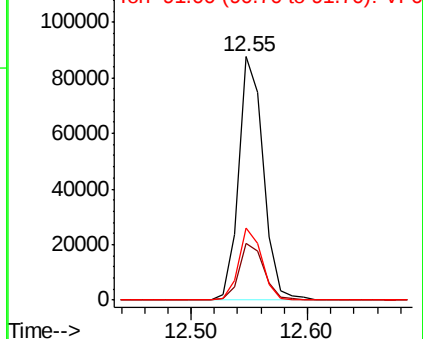
91 29.7 13.6 40.7

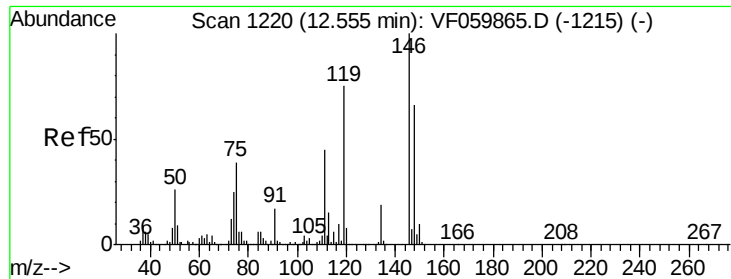


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





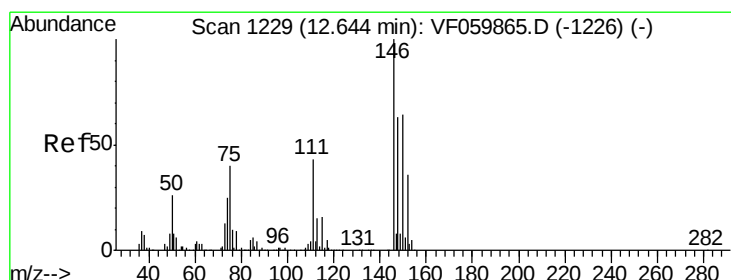
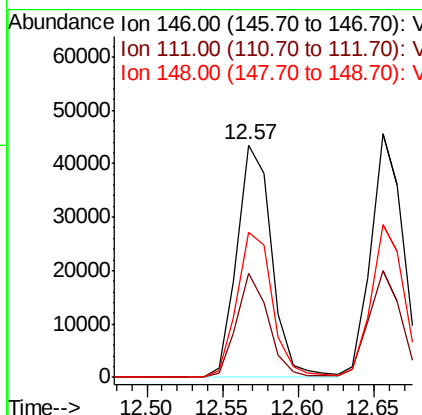
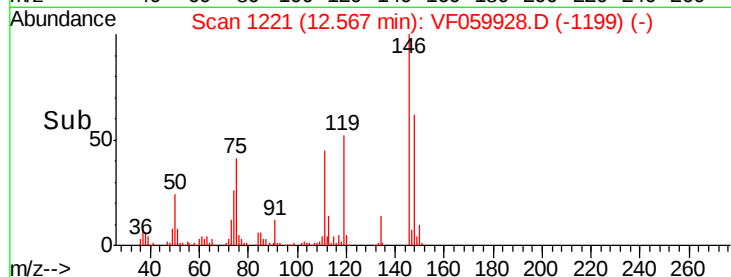
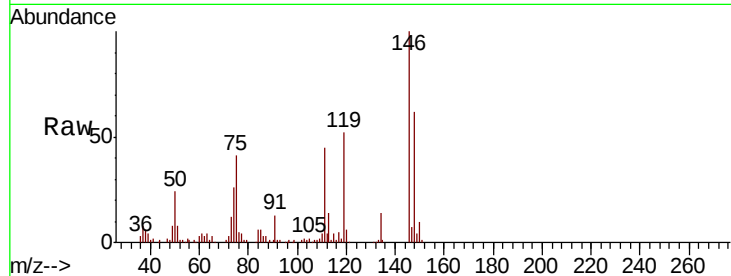
#87
 1,3-Dichlorobenzene
 Concen: 22.34 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.4	67.0
148	62.3	33.1	99.3

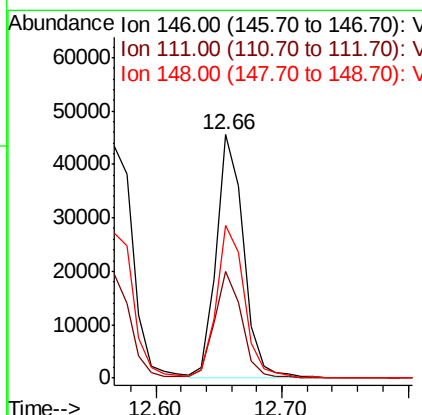
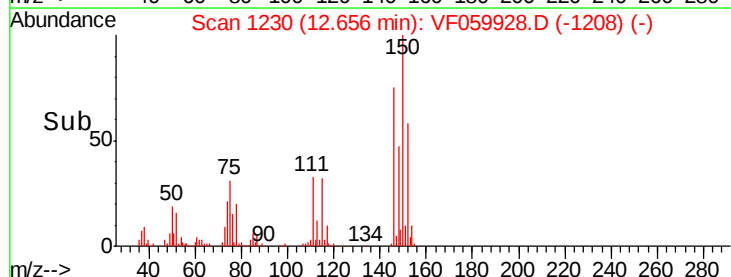
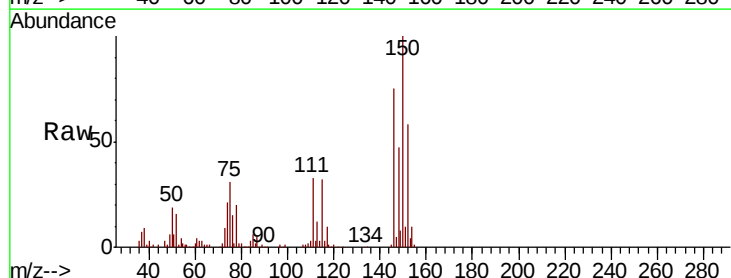
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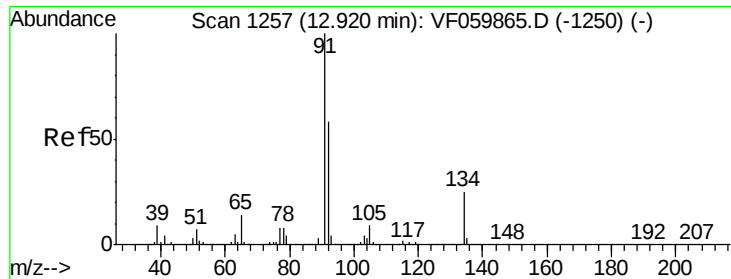
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#88
 1,4-Dichlorobenzene
 Concen: 22.31 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.4	64.2
148	62.5	31.6	94.7





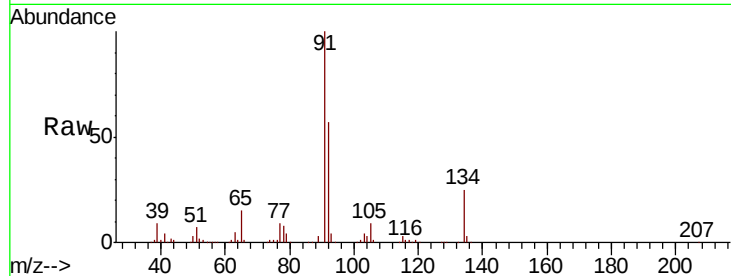
#89
n-Butylbenzene
Concen: 22.28 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.3	28.8	86.5
134	24.7	12.6	37.6

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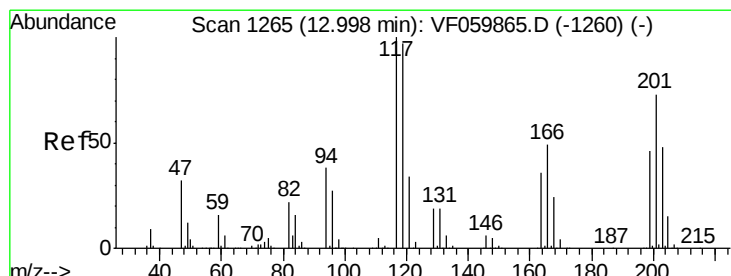
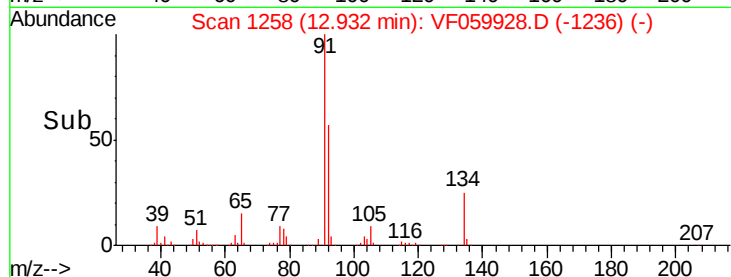
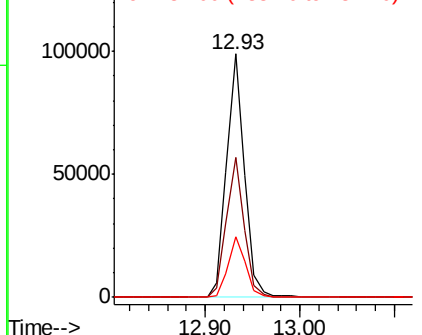


Abundance

Ion 91.00 (90.70 to 91.70): VF0

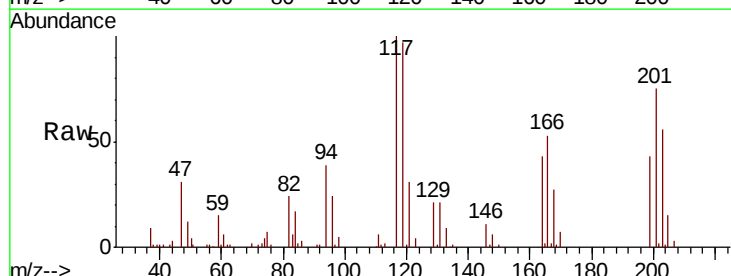
Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90
Hexachloroethane
Concen: 20.83 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

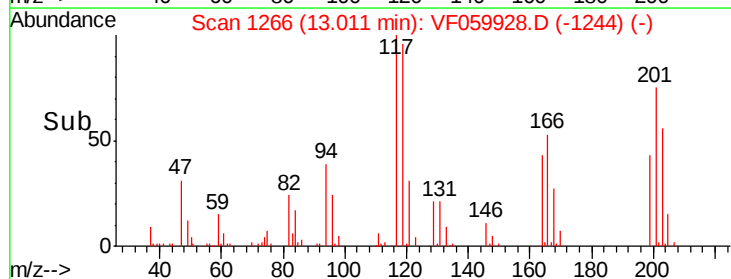
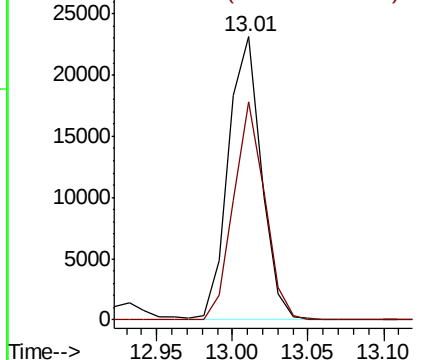
Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	36.6	109.8

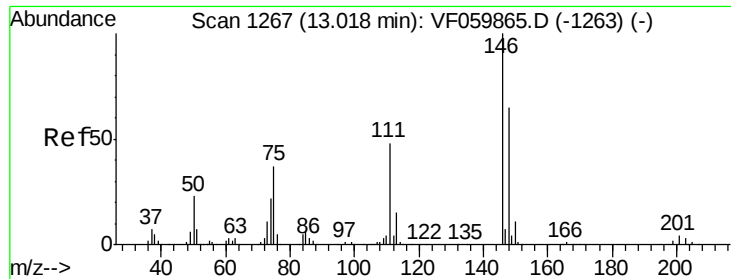


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





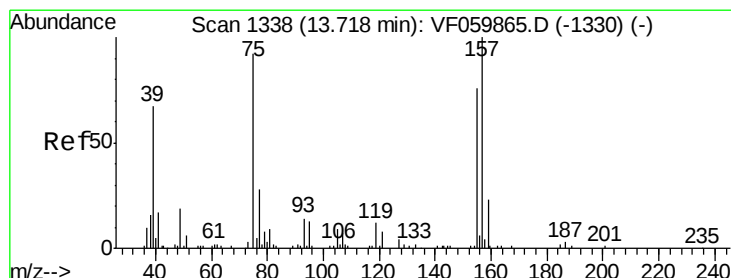
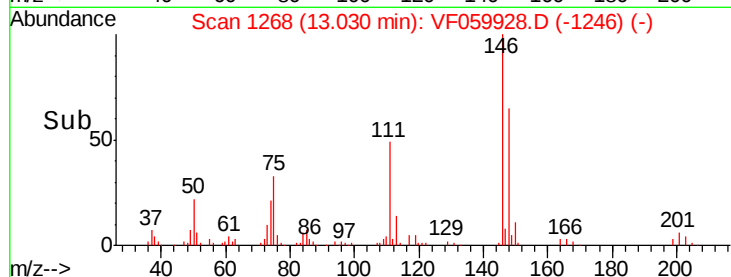
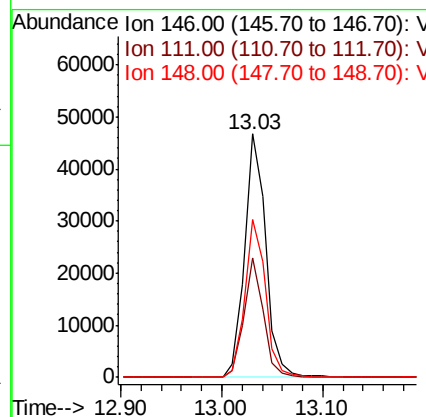
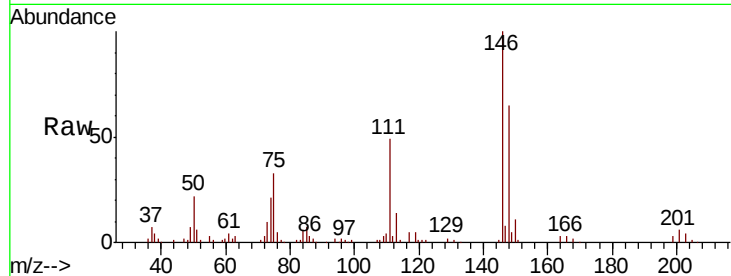
#91
 1,2-Dichlorobenzene
 Concen: 22.59 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.1	72.2
148	65.0	32.8	98.3

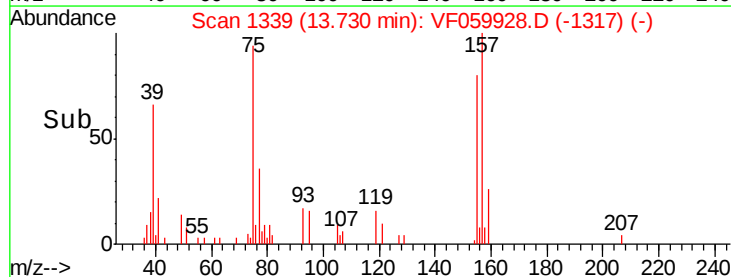
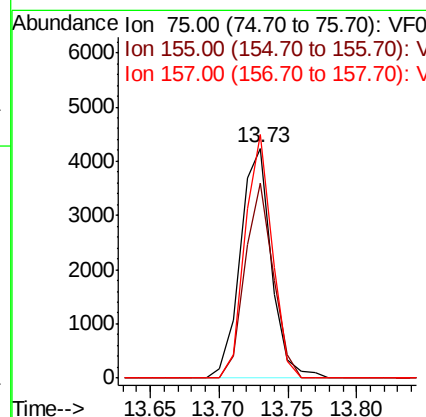
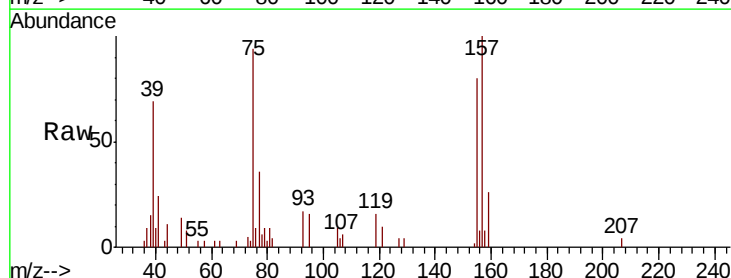
Manual Integrations
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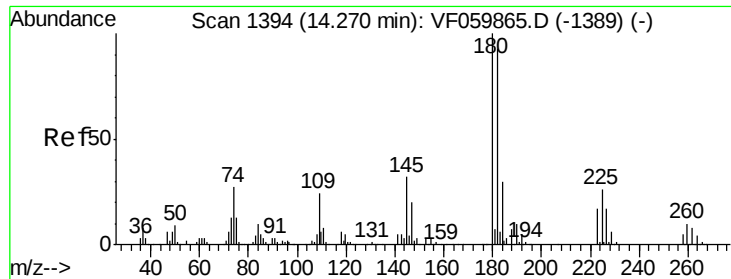
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.18 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	41.2	123.6
157	106.0	54.5	163.6





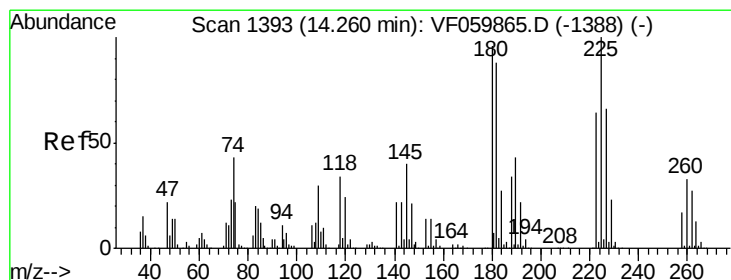
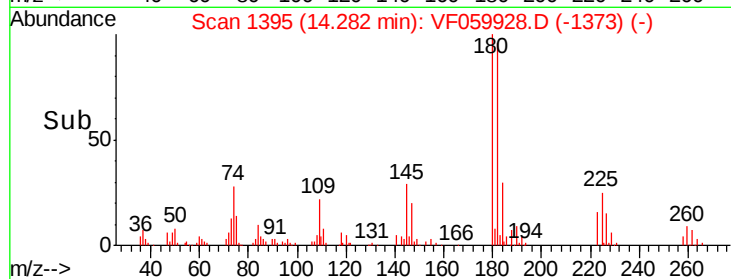
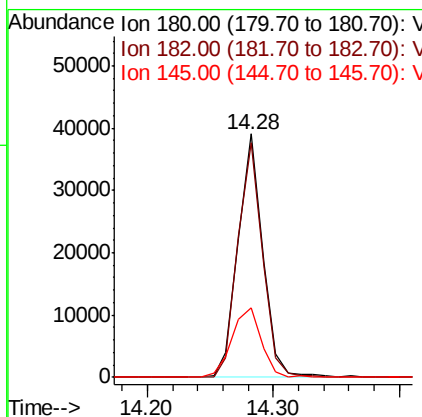
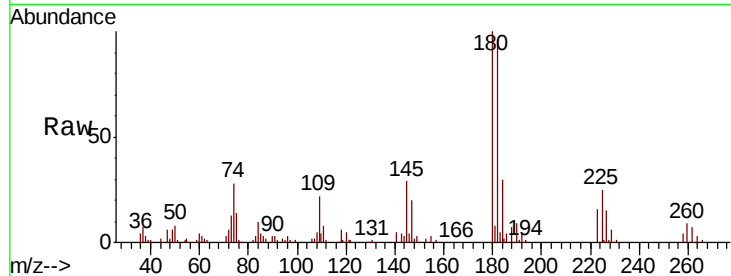
#93
 1,2,4-Trichlorobenzene
 Concen: 23.20 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0808SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	52872		
182	96.3	46.4	139.2	
145	28.5	15.9	47.7	

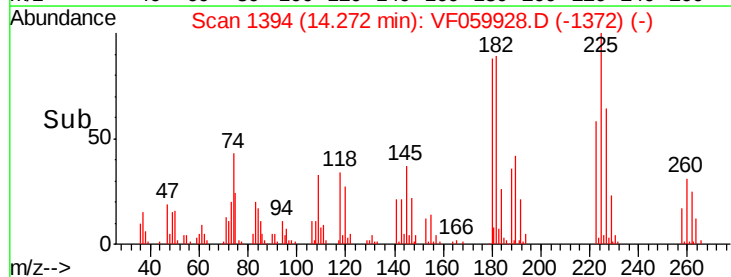
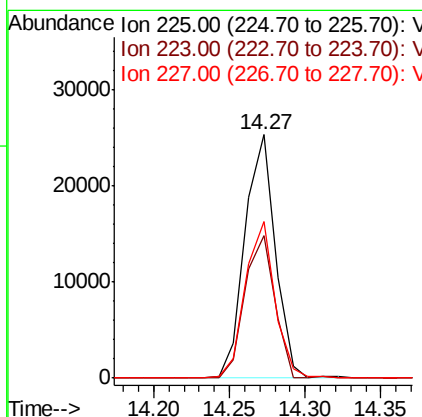
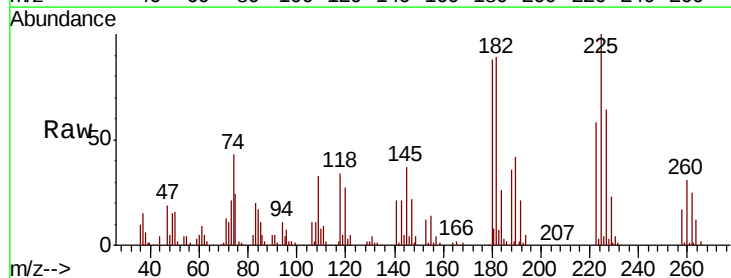
Manual Integrations
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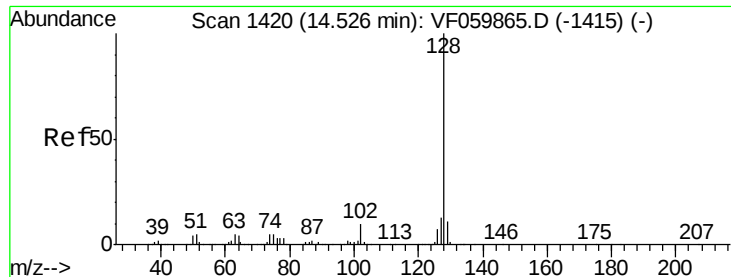
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#94
 Hexachlorobutadiene
 Concen: 22.02 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059928.D
 Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35457		
223	58.3	31.9	95.9	
227	64.3	32.8	98.4	





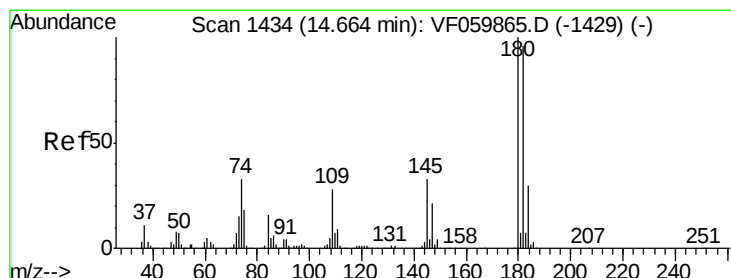
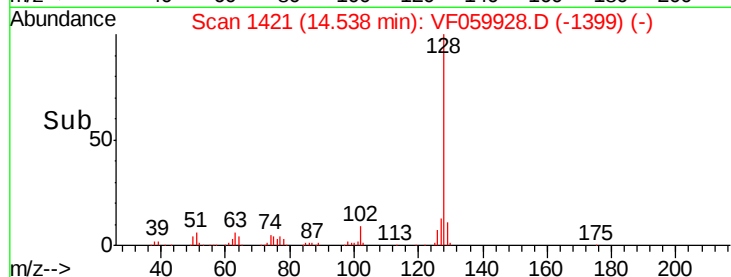
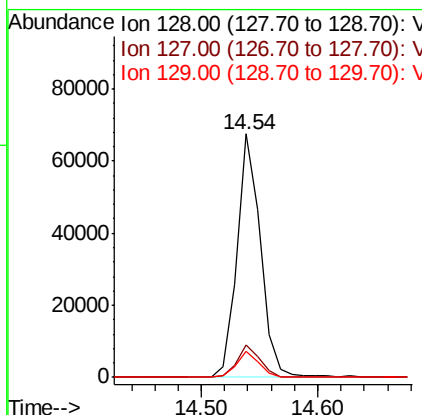
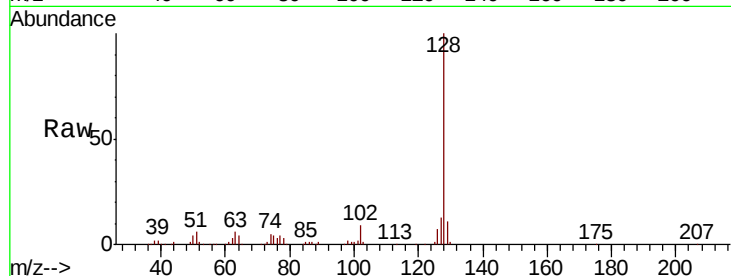
#95
Naphthalene
Concen: 23.92 ug/l
RT: 14.54 min Scan# 1421
Delta R.T. 0.01 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0808SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 23.21 ug/l
RT: 14.69 min Scan# 1436
Delta R.T. 0.02 min
Lab File: VF059928.D
Acq: 8 Aug 2018 13:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	48.1	144.3
145	33.8	16.6	49.8

