

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\
 Data File : VF059940.D
 Acq On : 10 Aug 2018 13:10
 Operator : VA/AP
 Sample : VF0810SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBSD01

Manual Integrations
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apatel
 8/13/2018 12:33:52 PM

Quant Time: Aug 11 01:19:47 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	5.06	168	109507	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	156410	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	153106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	105527	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	95853	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	4.30	113	77687	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	7.72	98	176696	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	11.52	95	98631	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	38859	20.77	ug/l	96
3) Chloromethane	1.10	50	18131	20.95	ug/l	97
4) Vinyl Chloride	1.16	62	19123	21.57	ug/l	91
5) Bromomethane	1.34	94	17823	21.30	ug/l	98
6) Chloroethane	1.43	64	13451	24.15	ug/l	97
7) Trichlorofluoromethane	1.54	101	56663m	23.35	ug/l	
8) Diethyl Ether	1.71	74	7292	18.94	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	27871	20.81	ug/l	93
10) Methyl Iodide	1.97	142	44014	21.39	ug/l	97
11) Tert butyl alcohol	2.69	59	9052	113.67	ug/l #	88
12) 1,1-Dichloroethene	1.87	96	20233	20.68	ug/l	97
13) Acrolein	2.10	56	4162	87.21	ug/l	96
14) Allyl chloride	2.20	41	33997	20.85	ug/l	97
15) Acrylonitrile	3.09	53	13509	92.58	ug/l	94
16) Acetone	2.35	43	48135	132.07	ug/l	99
17) Carbon Disulfide	1.90	76	57092	21.86	ug/l	96
18) Methyl Acetate	2.47	43	11412	18.56	ug/l #	81
19) Methyl tert-butyl Ether	2.55	73	56632	20.45	ug/l	97
20) Methylene Chloride	2.33	84	21207m	19.75	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	19468	20.04	ug/l	94
22) Diisopropyl ether	2.93	45	65802	20.97	ug/l	96
23) Vinyl Acetate	3.34	43	171777	113.10	ug/l	97
24) 1,1-Dichloroethane	3.01	63	46602	20.40	ug/l	99
25) 2-Butanone	4.52	43	48059	121.27	ug/l	96
26) 2,2-Dichloropropane	3.78	77	33097	24.88	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	23112	21.15	ug/l	83
28) Bromochloromethane	3.90	49	17305	21.45	ug/l #	80
29) Tetrahydrofuran	4.27	42	15362	105.30	ug/l	95
30) Chloroform	4.04	83	64889	20.99	ug/l	99
31) Cyclohexane	3.89	56	26622	23.54	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	56435	22.82	ug/l	93
36) 1,1-Dichloropropene	4.47	75	40297	22.27	ug/l	98
37) Ethyl Acetate	4.30	43	19155	24.66	ug/l #	98
38) Carbon Tetrachloride	4.18	117	60578m	23.39	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	32124	23.68	ug/l	94
40) Benzene	4.82	78	67052	19.75	ug/l	99
41) Methacrylonitrile	4.94	41	8303	20.25	ug/l	93
42) 1,2-Dichloroethane	5.13	62	53207	21.24	ug/l	99
43) Isopropyl Acetate	7.13	43	17976	22.47	ug/l #	89
44) Trichloroethene	5.68	130	26957	22.37	ug/l	83
45) 1,2-Dichloropropane	6.42	63	17359	20.91	ug/l	93
46) Dibromomethane	6.26	93	17724	21.16	ug/l	96
47) Bromodichloromethane	6.56	83	51183	22.34	ug/l	98
48) Methyl methacrylate	6.88	41	13209	21.23	ug/l	92
49) 1,4-Dioxane	6.88	88	2185	529.87	ug/l #	79
51) 4-Methyl-2-Pentanone	8.41	43	91214	111.53	ug/l	98
52) Toluene	7.79	92	50705	22.19	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	42867	24.60	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	41608	23.13	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	16991	20.66	ug/l	94
56) Ethyl methacrylate	8.78	69	18423	22.41	ug/l #	79
57) 1,3-Dichloropropane	9.01	76	29801	21.10	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.79	63	12705	116.75	ug/l	100
59) 2-Hexanone	9.64	43	70326	121.73	ug/l	95
60) Dibromochloromethane	8.87	129	32884	21.31	ug/l	98
61) 1,2-Dibromoethane	9.15	107	21487	21.44	ug/l	95
64) Tetrachloroethene	8.31	164	27970	21.18	ug/l	94
65) Chlorobenzene	9.96	112	71463	23.00	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	34029	22.01	ug/l	94
67) Ethyl Benzene	10.05	91	129008	23.83	ug/l	98
68) m/p-Xylenes	10.27	106	92219	49.27	ug/l	98
69) o-Xylene	10.84	106	47888	24.15	ug/l	100
70) Styrene	10.92	104	71813	24.27	ug/l	97
71) Bromoform	10.90	173	20188	21.31	ug/l	95
73) Isopropylbenzene	11.24	105	153654	23.38	ug/l	98
74) N-amyl acetate	11.47	43	34194	22.74	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	25078	20.32	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	21752	20.52	ug/l	99
77) Bromobenzene	11.61	156	39021	21.83	ug/l	96
78) n-propylbenzene	11.69	91	188485	24.28	ug/l	97
79) 2-Chlorotoluene	11.82	91	115370	23.50	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	144456	23.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	7874m	20.68	ug/l	
82) 4-Chlorotoluene	12.00	91	121048	22.70	ug/l	99
83) tert-Butylbenzene	12.23	119	146110	24.59	ug/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	149761	23.86	ug/l	98
85) sec-Butylbenzene	12.39	105	185303	23.47	ug/l	96
86) p-Isopropyltoluene	12.54	119	164345	24.77	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	76483	22.58	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	74868	22.52	ug/l	94
89) n-Butylbenzene	12.93	91	162727	25.73	ug/l	98
90) Hexachloroethane	13.00	117	41364	22.59	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	76095	23.35	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	5893	18.94	ug/l	97

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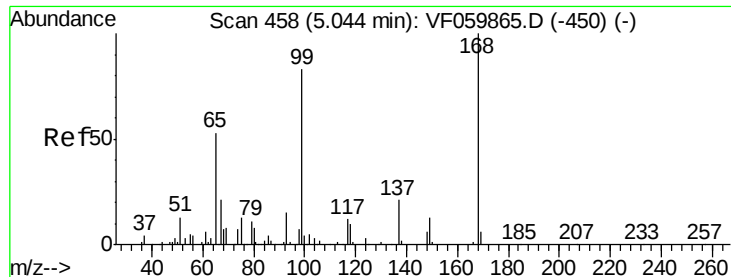
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	61011	24.66	ug/l	96
94) Hexachlorobutadiene	14.27	225	41661	23.83	ug/l	97
95) Naphthalene	14.53	128	92654	21.63	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	56661	23.19	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tot Ion:168 Resp: 109507

Ion Ratio Lower Upper

168 100

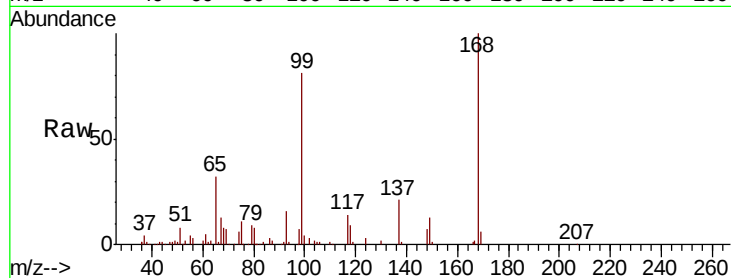
99 81.0 66.3 99.5

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

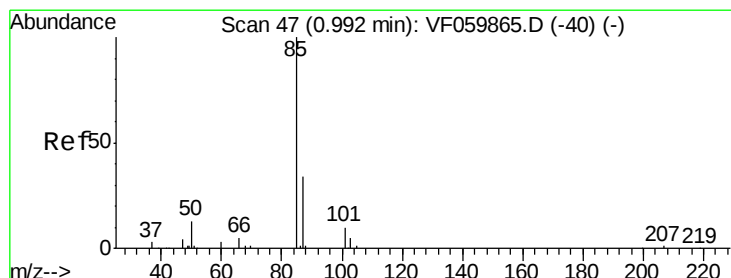
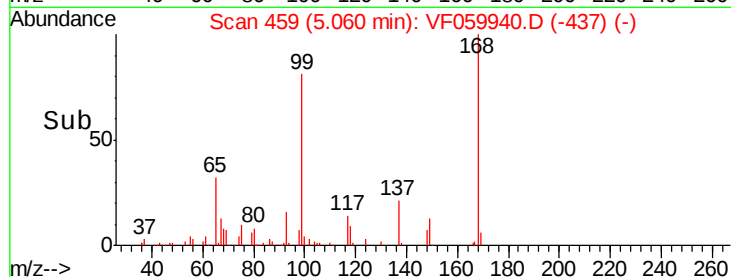
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.77 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059940.D

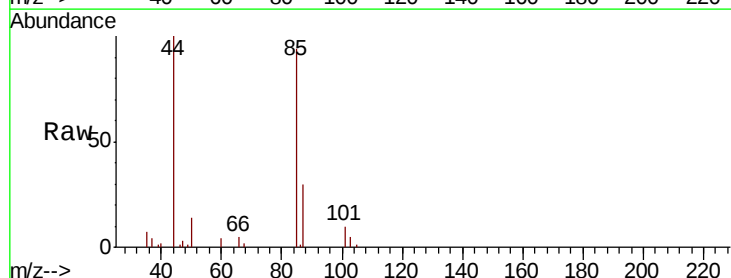
Acq: 10 Aug 2018 13:10

Tgt Ion: 85 Resp: 38859

Ion Ratio Lower Upper

85 100

87 31.6 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

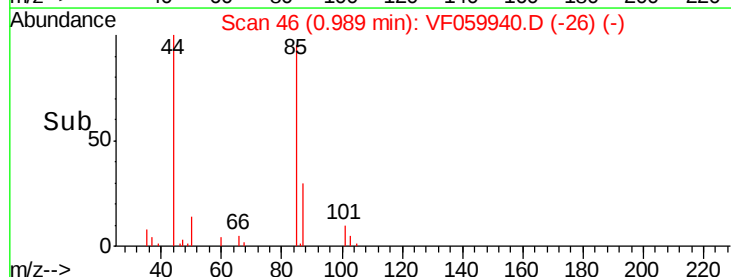
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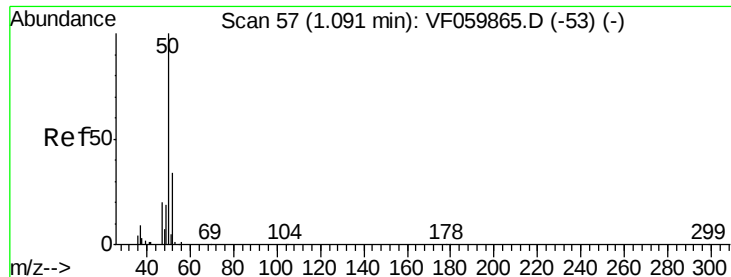
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5000

0

Time-->





#3

Chloromethane

Concen: 20.95 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBSD01

Tot Ion: 50 Resp: 18131

Ion Ratio Lower Upper

50 100

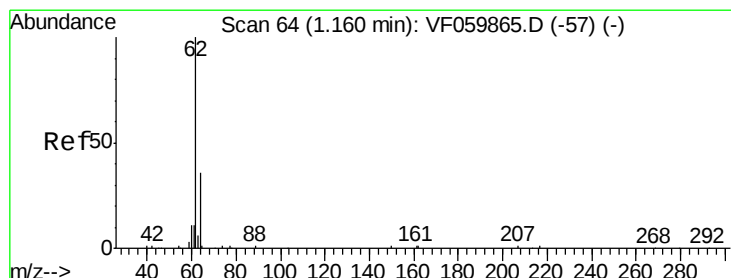
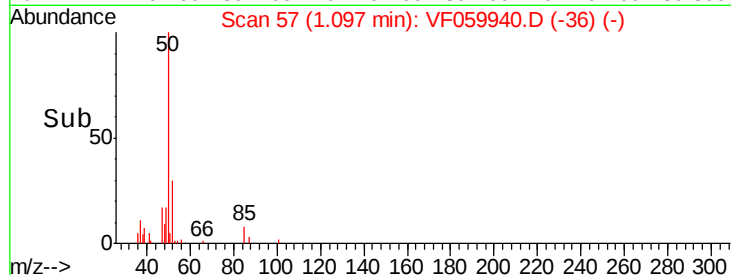
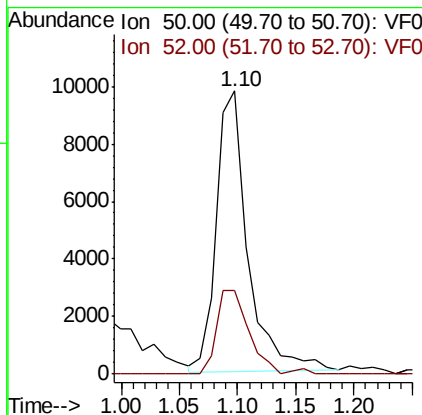
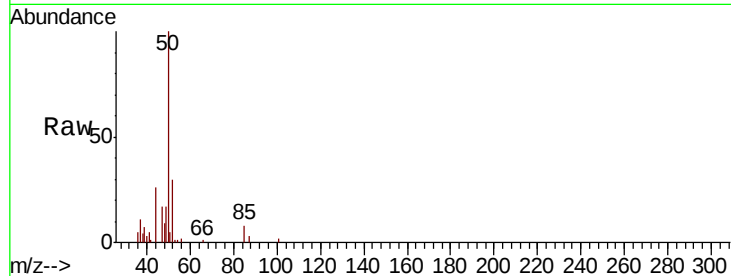
52 30.7 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.57 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059940.D

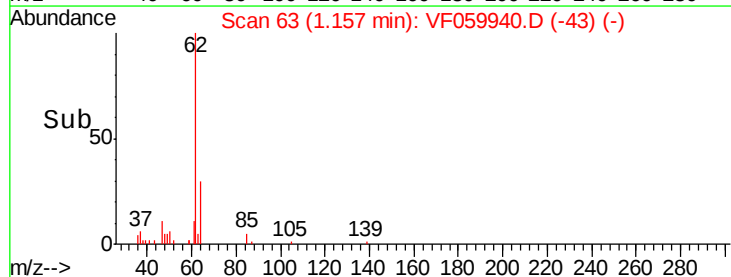
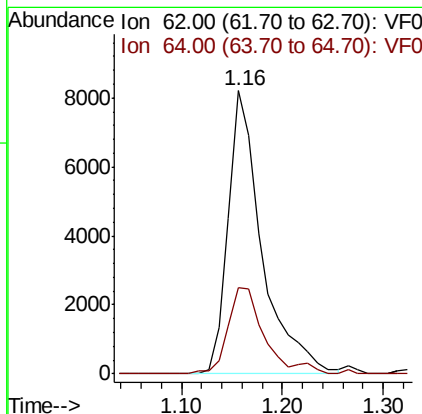
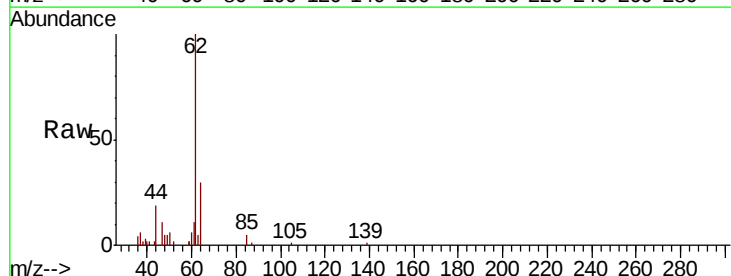
Acq: 10 Aug 2018 13:10

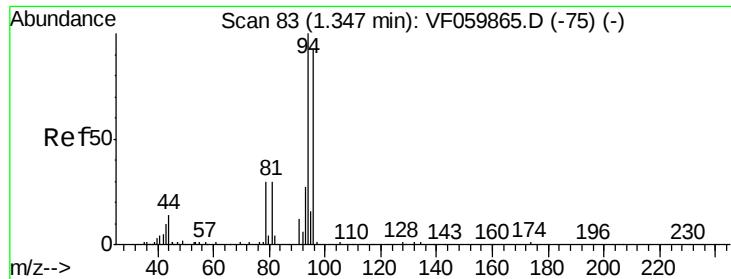
Tgt Ion: 62 Resp: 19123

Ion Ratio Lower Upper

62 100

64 30.3 28.5 42.7





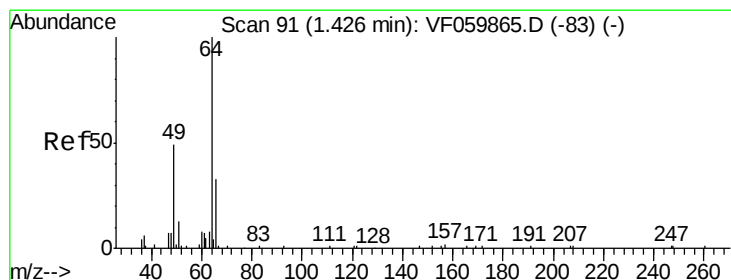
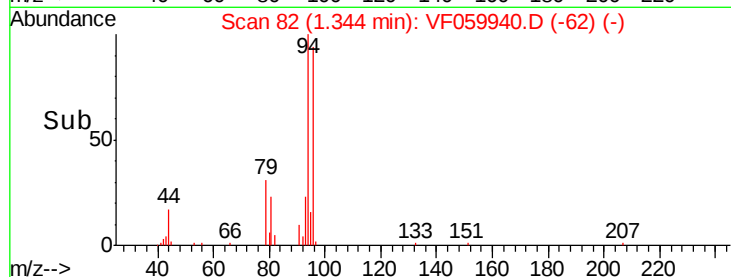
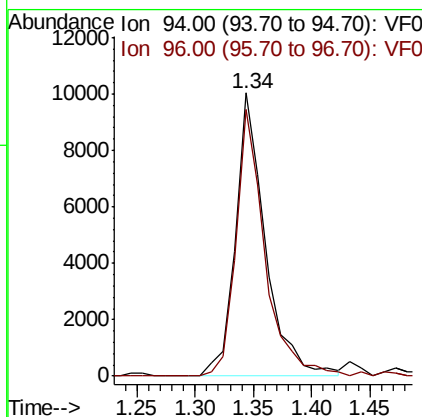
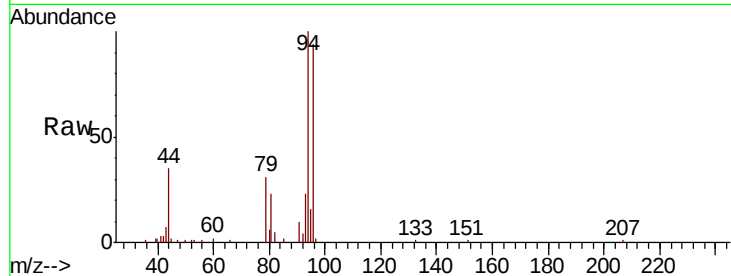
#5
Bromomethane
Concen: 21.30 ug/l
RT: 1.34 min Scan# 82
Delta R.T. -0.00 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBSD01

Tot Ion: 94 Resp: 17823
Ion Ratio Lower Upper
94 100
96 94.1 73.8 110.8

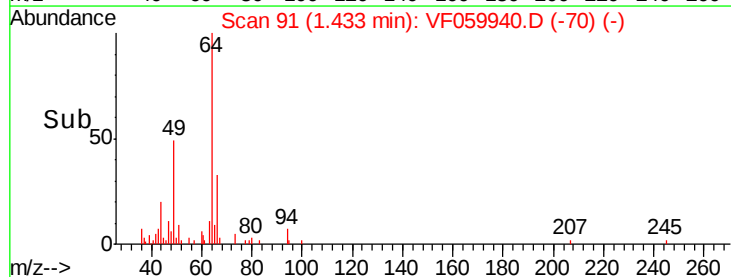
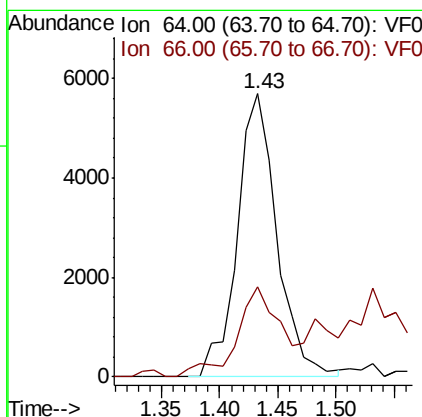
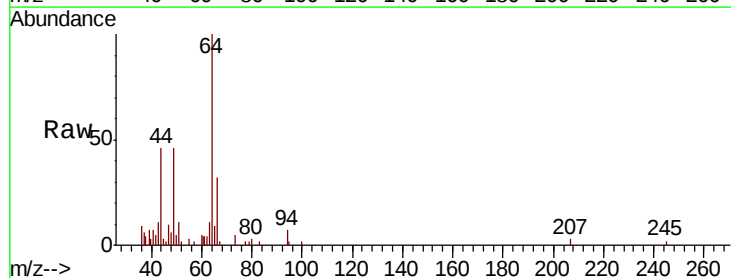
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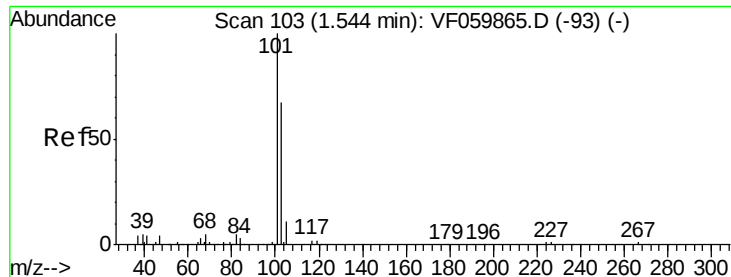
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#6
Chloroethane
Concen: 24.15 ug/l
RT: 1.43 min Scan# 91
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion: 64 Resp: 13451
Ion Ratio Lower Upper
64 100
66 31.7 26.9 40.3





#7

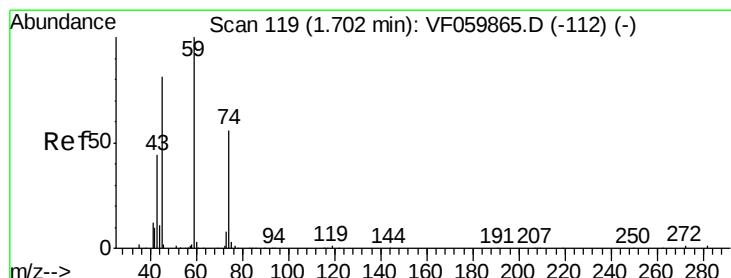
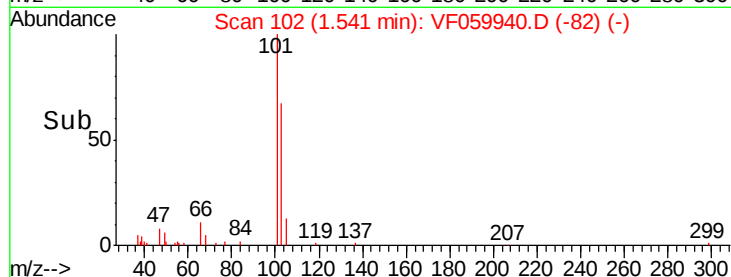
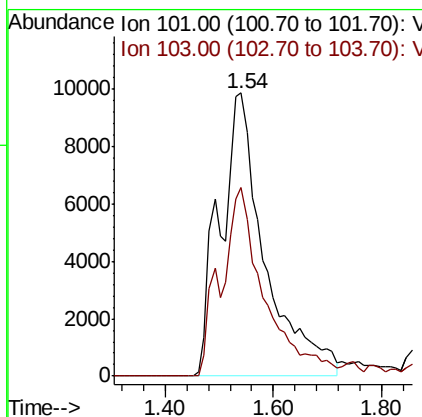
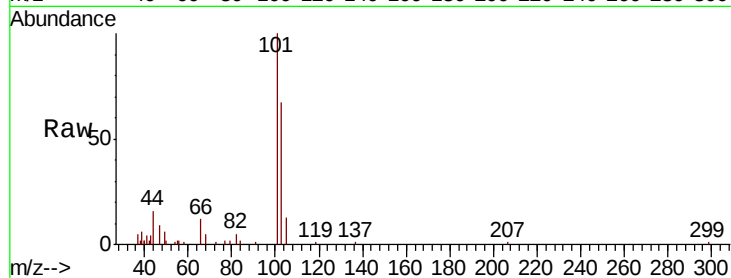
Trichlorofluoromethane
 Concen: 23.35 ug/l m
 RT: 1.54 min Scan# 102
 Delta R.T. -0.00 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
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 VF0810SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	53.6	80.4

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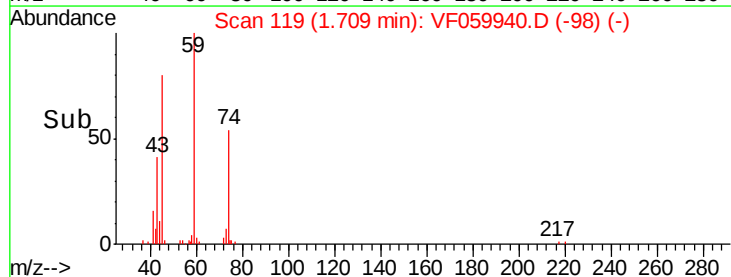
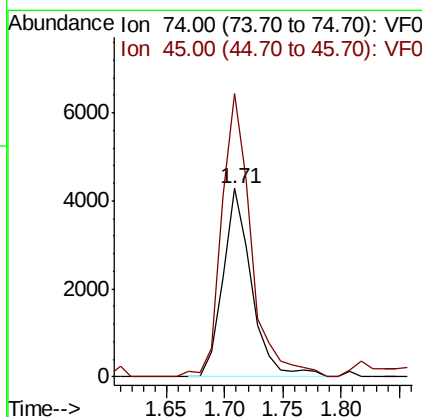
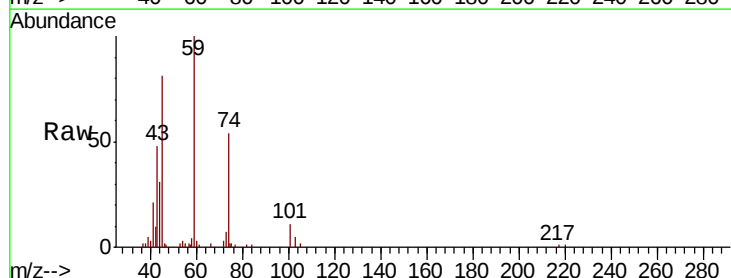
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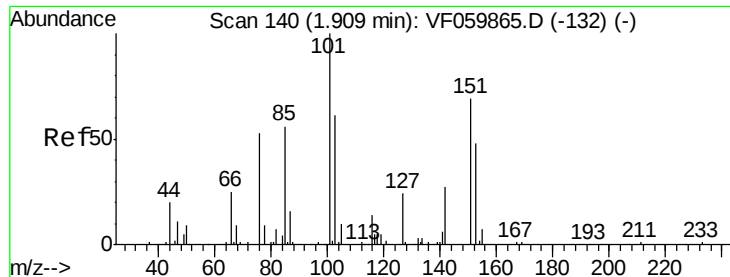


#8

Diethyl Ether
 Concen: 18.94 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	150.3	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.81 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

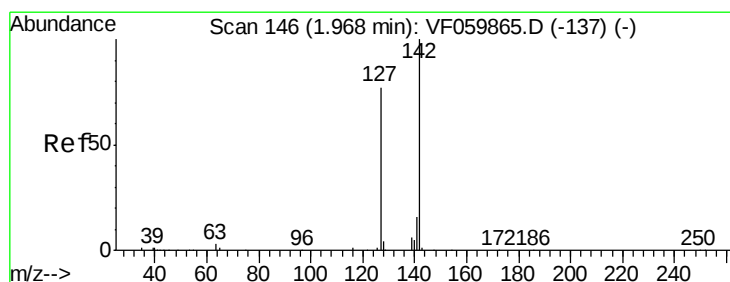
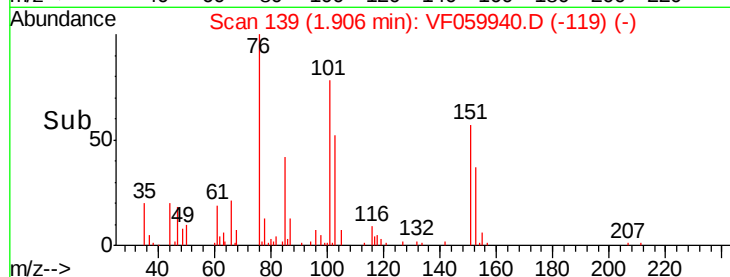
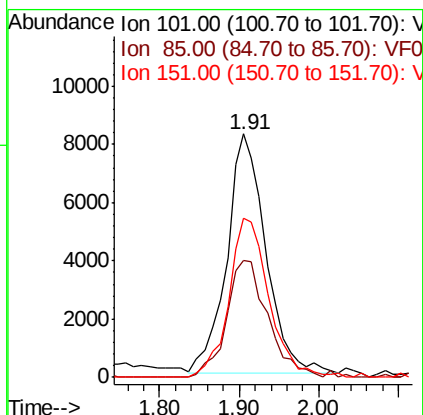
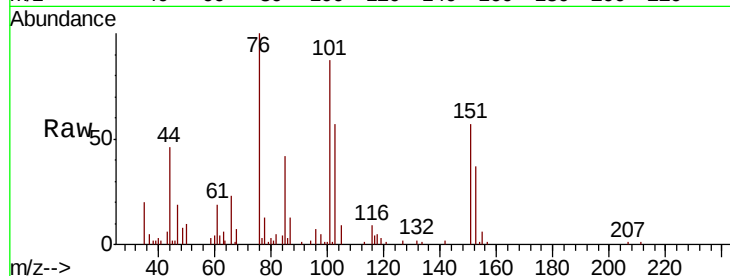
ClientSampleId :

VF0810SBS01

Tot Ion:	101	Resp:	27871
Ion Ratio	Lower	Upper	
101	100		
85	47.3	44.5	66.7
151	64.4	53.8	80.8

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#10

Methyl Iodide

Concen: 21.39 ug/l

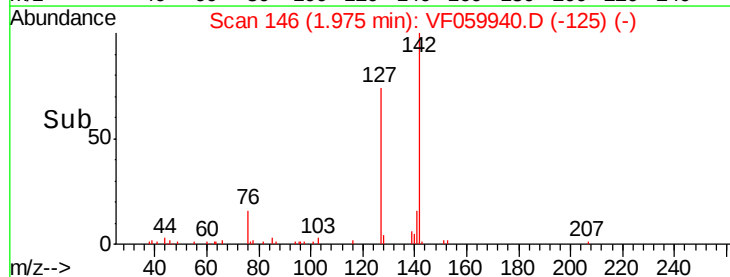
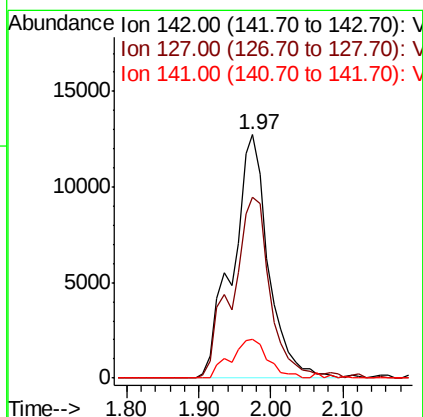
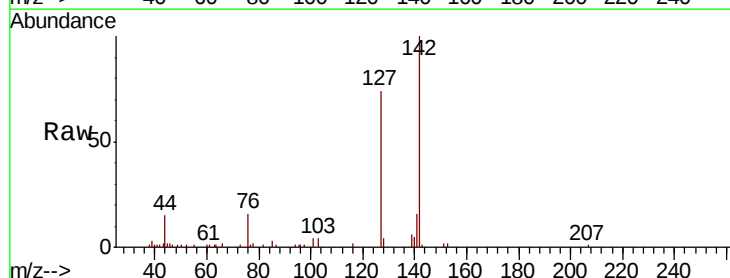
RT: 1.97 min Scan# 146

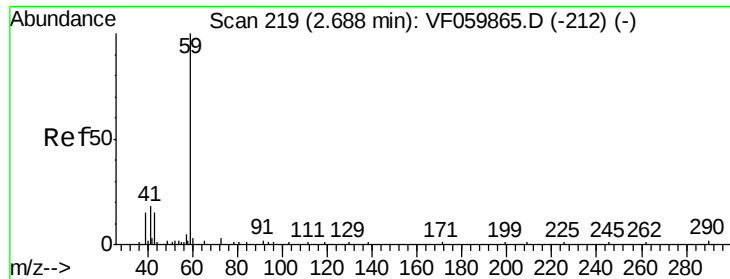
Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion:	142	Resp:	44014
Ion Ratio	Lower	Upper	
142	100		
127	74.1	61.5	92.3
141	15.9	13.0	19.4





#11

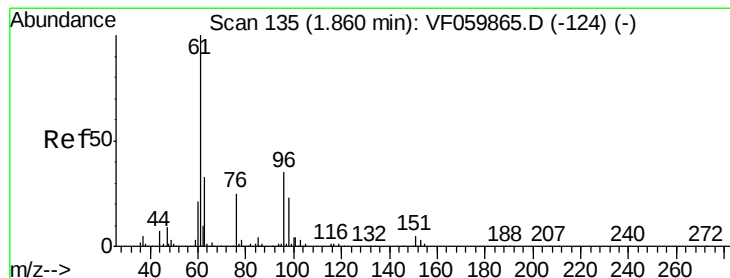
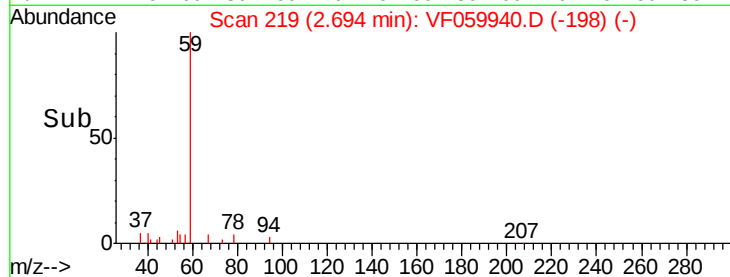
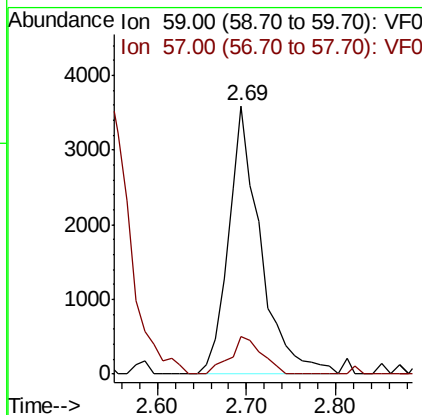
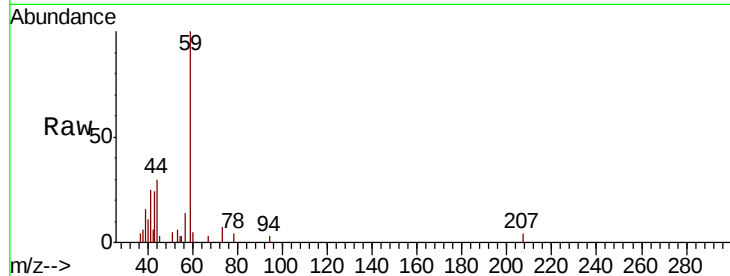
Tert butyl alcohol
Concen: 113.67 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.0	7.6	11.4#

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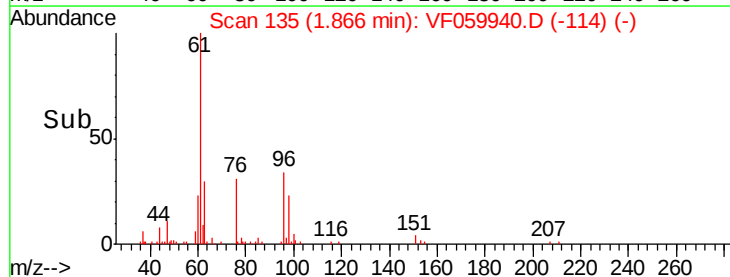
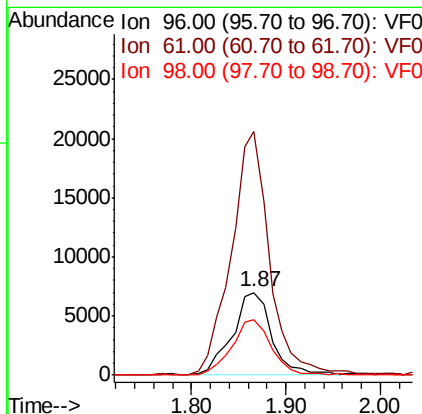
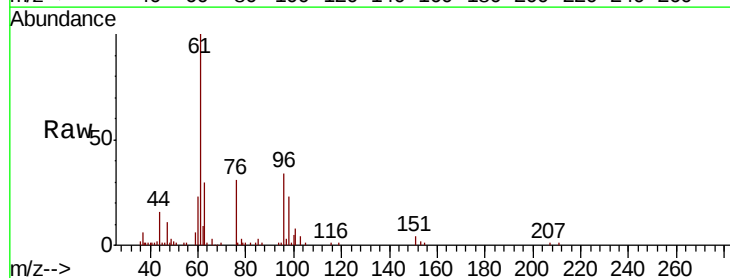
apatel
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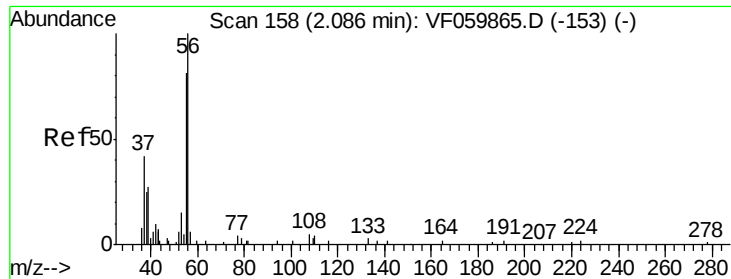


#12

1,1-Dichloroethene
Concen: 20.68 ug/l
RT: 1.87 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	295.1	230.2	345.2
98	66.5	52.7	79.1





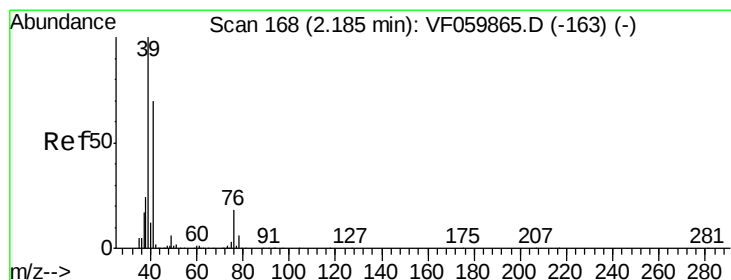
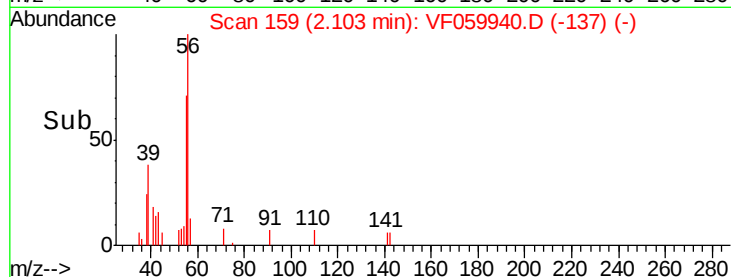
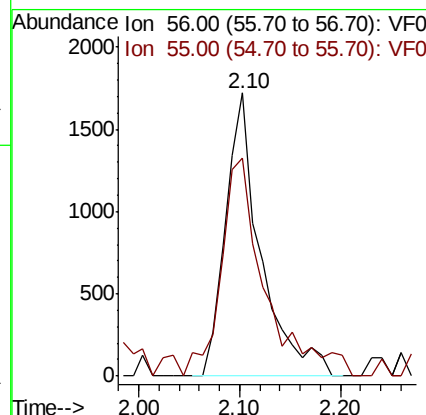
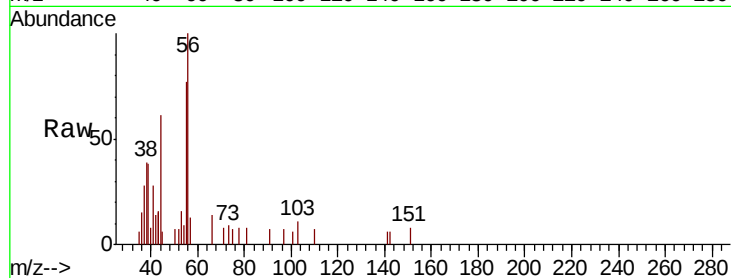
#13
Acrolein
Concen: 87.21 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.02 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.0	64.6	96.8

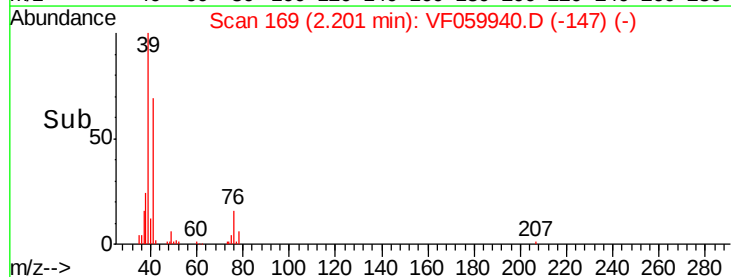
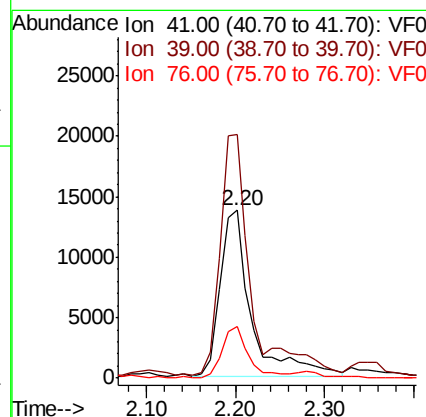
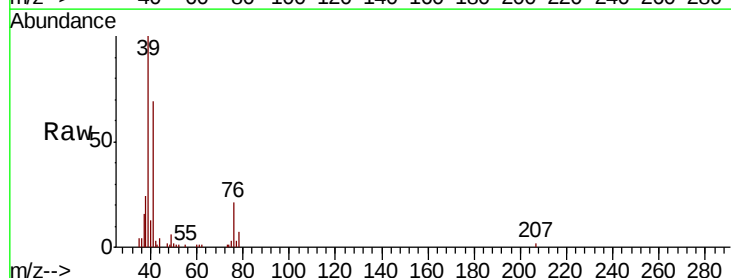
Manual Integrations
APPROVED

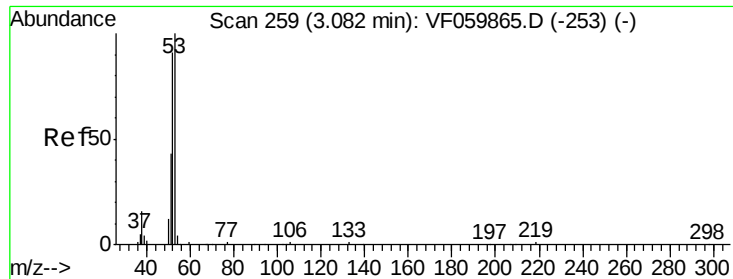
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#14
Allyl chloride
Concen: 20.85 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.02 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	145.2	114.6	171.8
76	30.5	21.0	31.4





#15

Acrylonitrile

Concen: 92.58 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

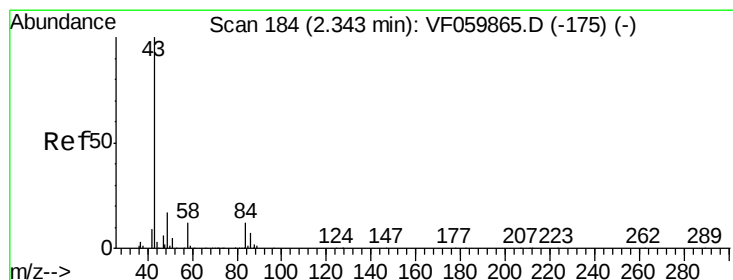
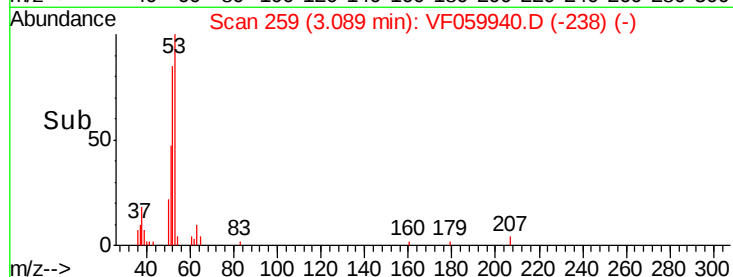
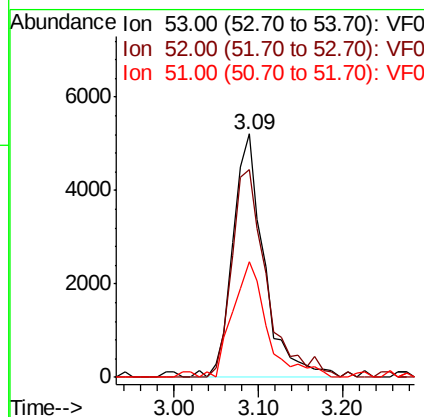
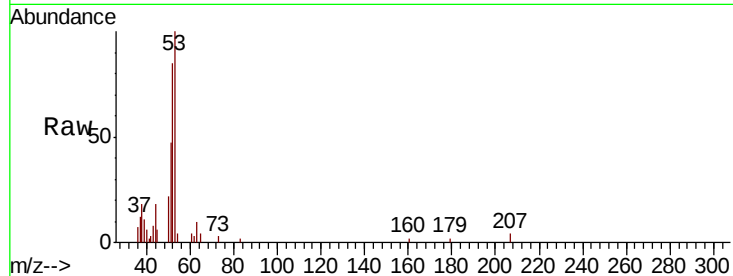
ClientSampleId :

VF0810SBSD01

Tot Ion:	53	Resp:	13509
Ion	Ratio	Lower	Upper
53	100		
52	85.4	72.9	109.3
51	47.5	34.5	51.7

Manual Integrations
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#16

Acetone

Concen: 132.07 ug/l

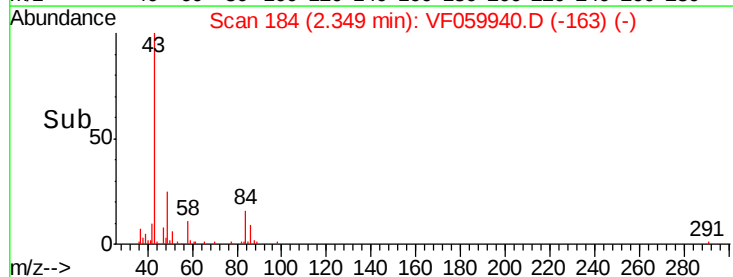
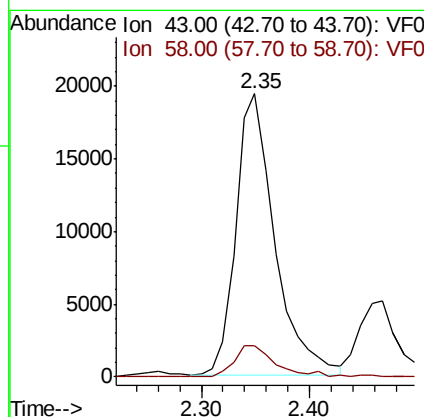
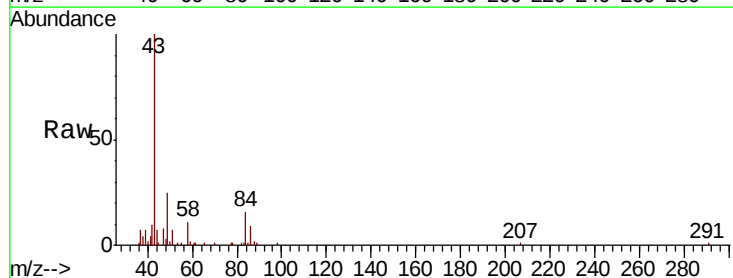
RT: 2.35 min Scan# 184

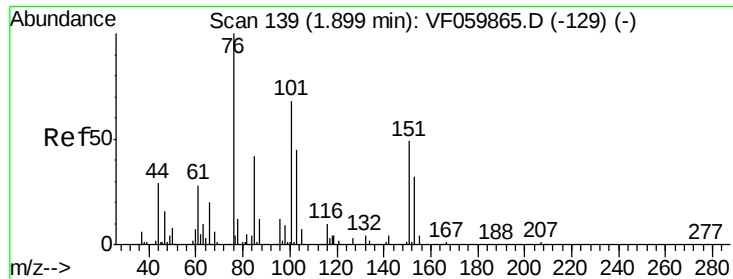
Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion:	43	Resp:	48135
Ion	Ratio	Lower	Upper
43	100		
58	11.2	9.4	14.0





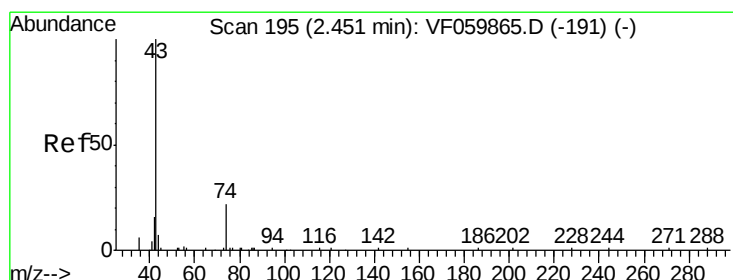
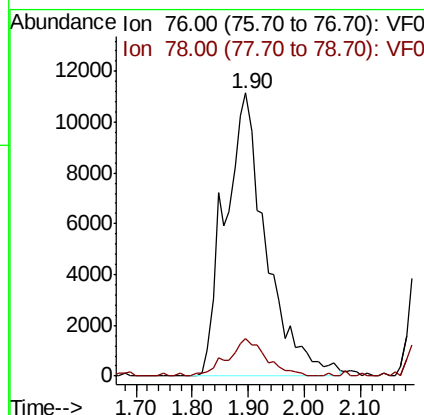
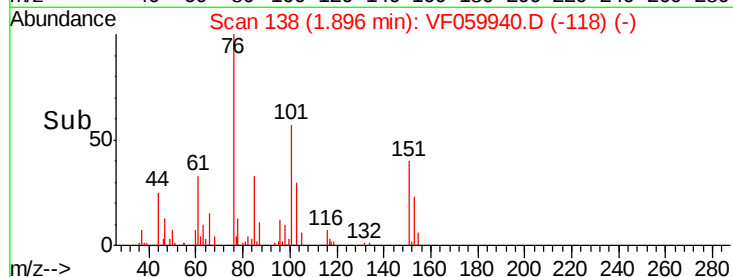
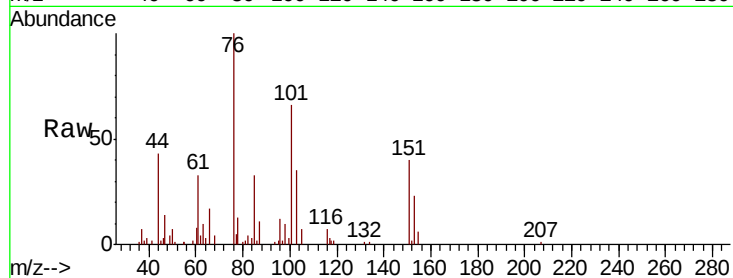
#17
Carbon Disulfide
Concen: 21.86 ug/l
RT: 1.90 min Scan# 138
Delta R.T. -0.00 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBSD01

Tot Ion: 76 Resp: 57092
Ion Ratio Lower Upper
76 100
78 13.1 9.3 13.9

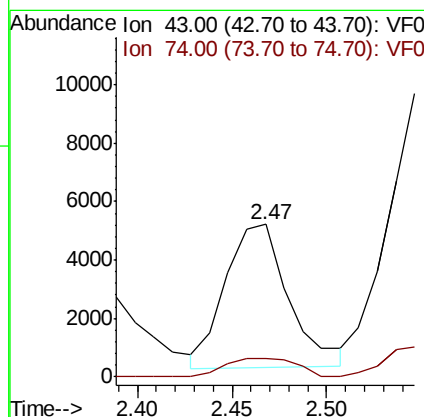
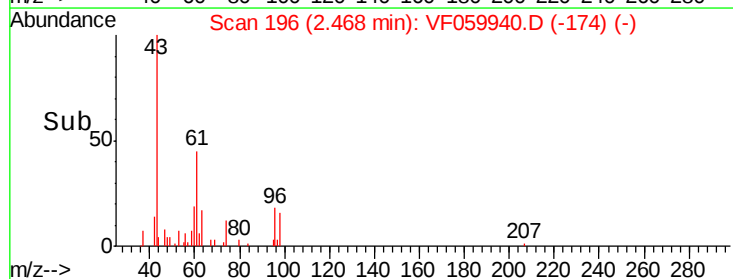
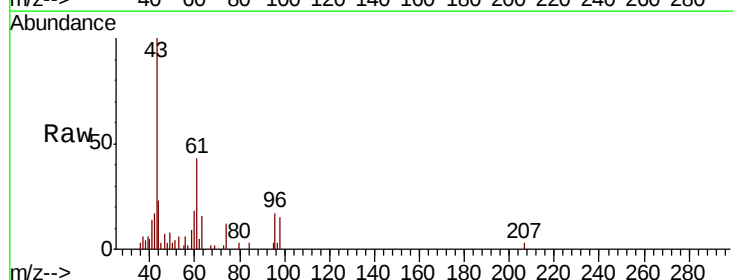
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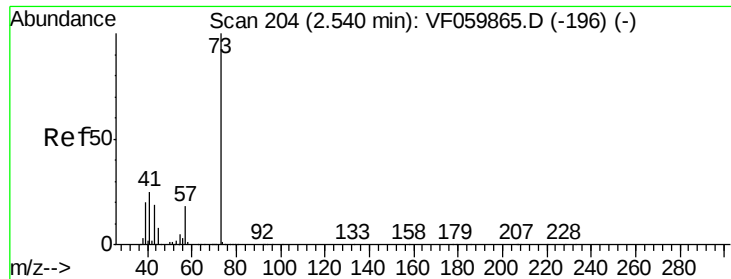
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#18
Methyl Acetate
Concen: 18.56 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion: 43 Resp: 11412
Ion Ratio Lower Upper
43 100
74 11.7 16.3 24.5#





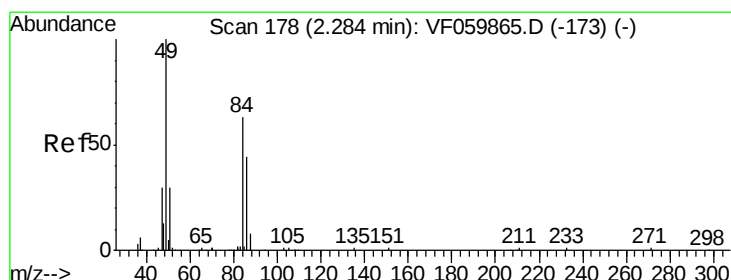
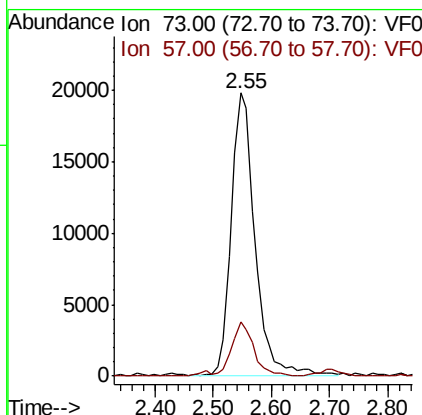
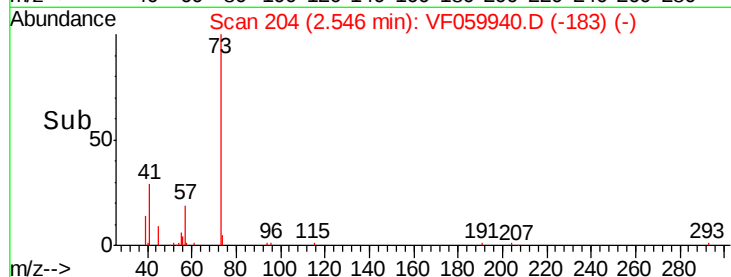
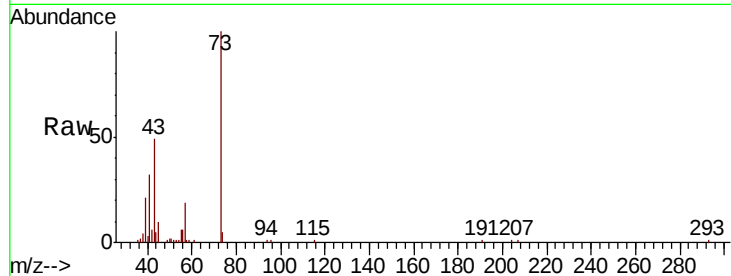
#19
Methyl tert-butyl Ether
Concen: 20.45 ug/l
RT: 2.55 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.1	14.3	21.5

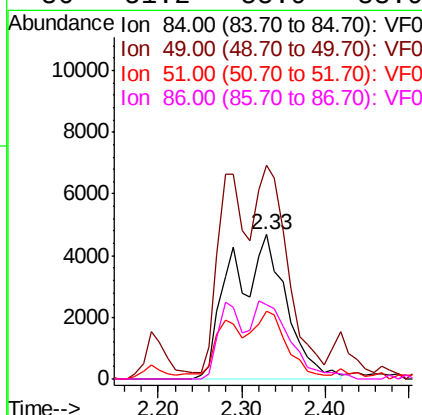
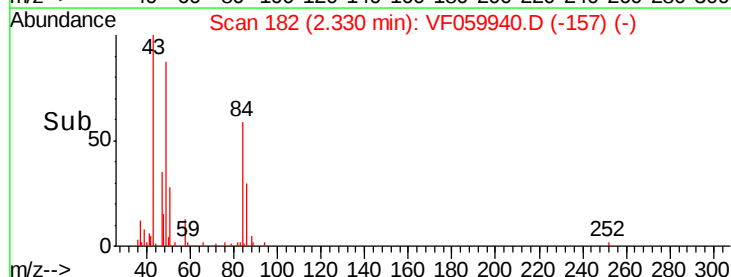
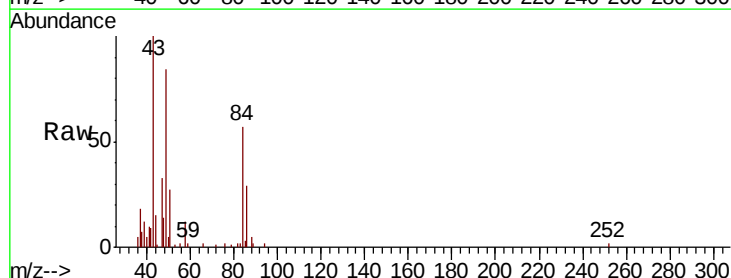
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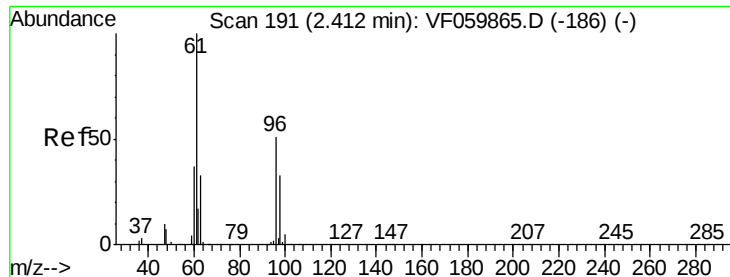
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#20
Methylene Chloride
Concen: 19.75 ug/l m
RT: 2.33 min Scan# 182
Delta R.T. 0.05 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.7	128.7	193.1
51	46.9	39.3	58.9
86	51.2	55.9	83.9#





#21

trans-1,2-Dichloroethene

Concen: 20.04 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

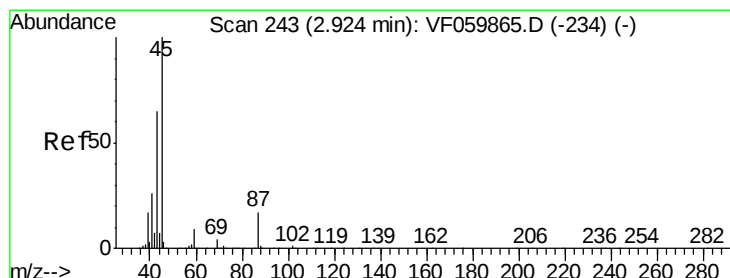
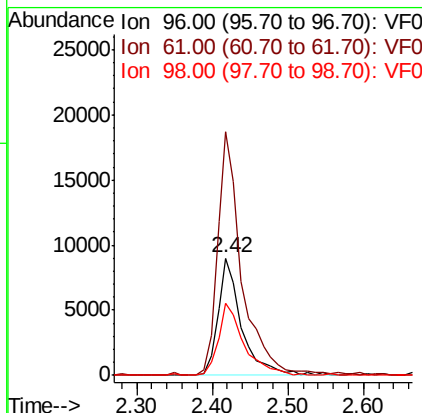
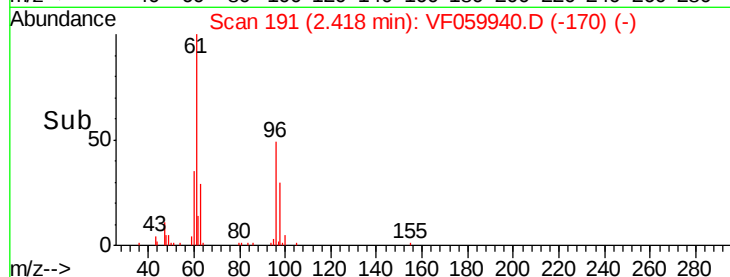
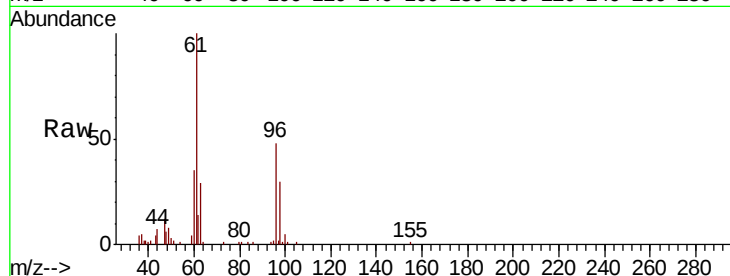
ClientSampleId :

VF0810SBS01

Tot Ion:	96	Resp:	19468
Ion	Ratio	Lower	Upper
96	100		
61	207.9	158.2	237.4
98	61.9	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.97 ug/l

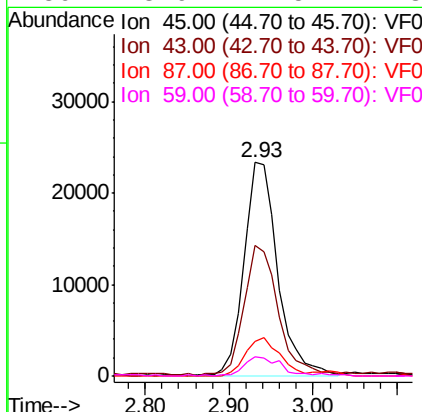
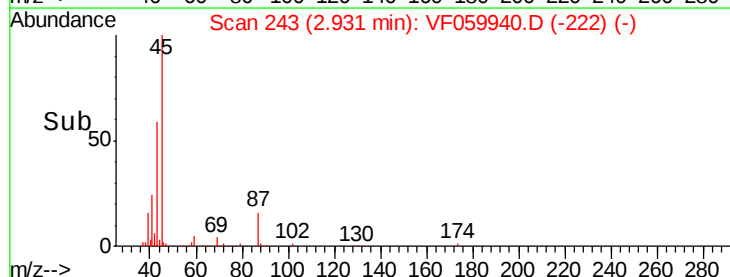
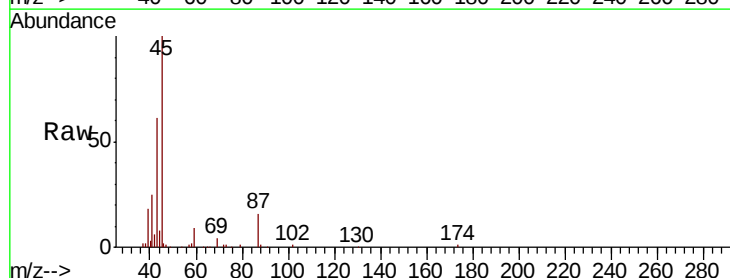
RT: 2.93 min Scan# 243

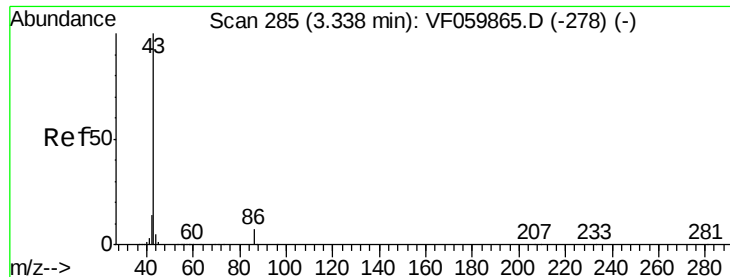
Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion:	45	Resp:	65802
Ion	Ratio	Lower	Upper
45	100		
43	61.2	52.1	78.1
87	15.9	13.8	20.8
59	8.9	7.5	11.3





#23

Vinyl Acetate

Concen: 113.10 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBSD01

Tot Ion: 43 Resp: 171777

Ion Ratio Lower Upper

43 100

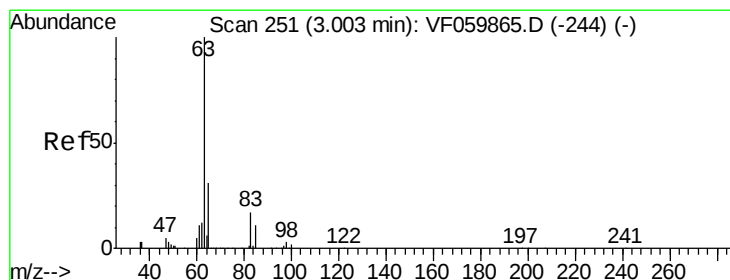
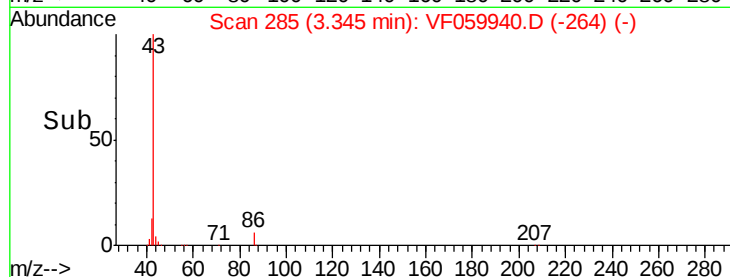
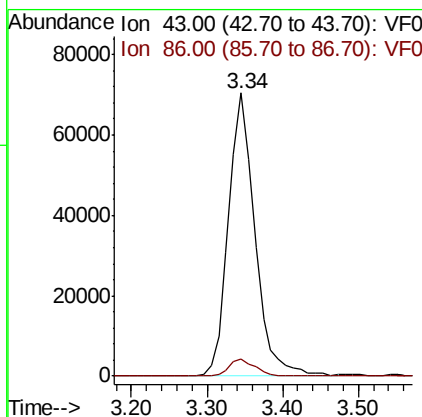
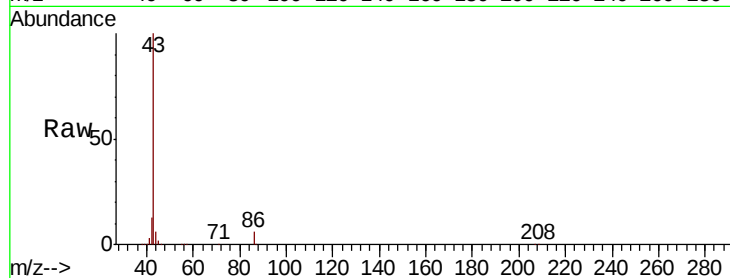
86 5.9 5.6 8.4

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#24

1,1-Dichloroethane

Concen: 20.40 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

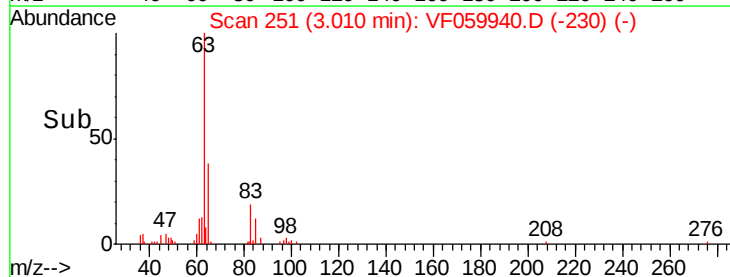
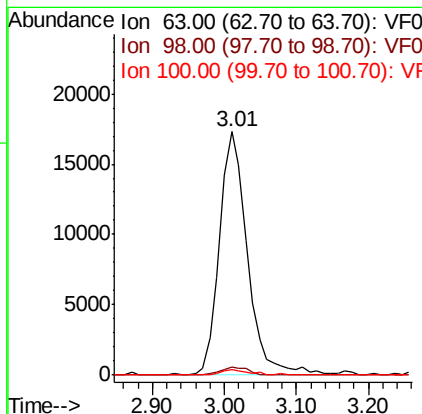
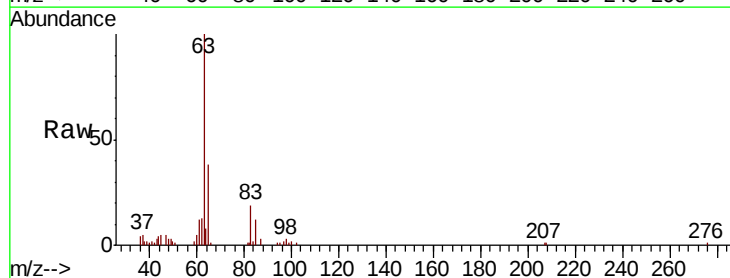
Tgt Ion: 63 Resp: 46602

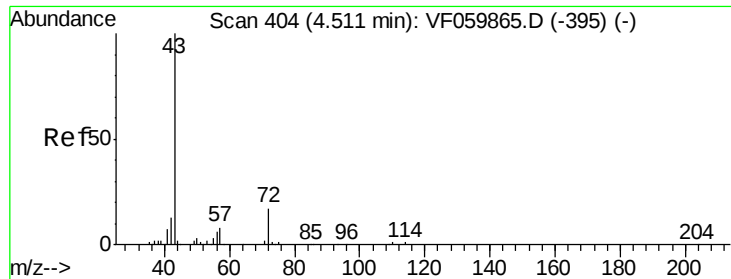
Ion Ratio Lower Upper

63 100

98 3.1 1.9 5.7

100 2.2 1.1 3.5





#25

2-Butanone

Concen: 121.27 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tot Ion: 43 Resp: 48059

Ion Ratio Lower Upper

43 100

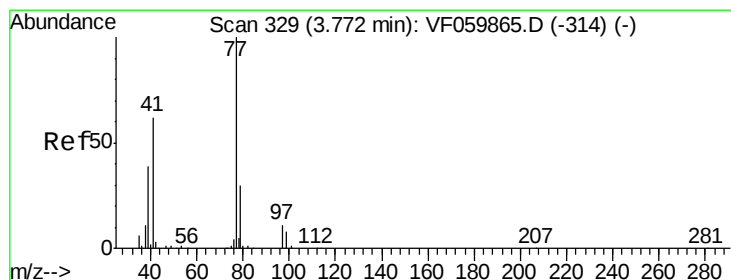
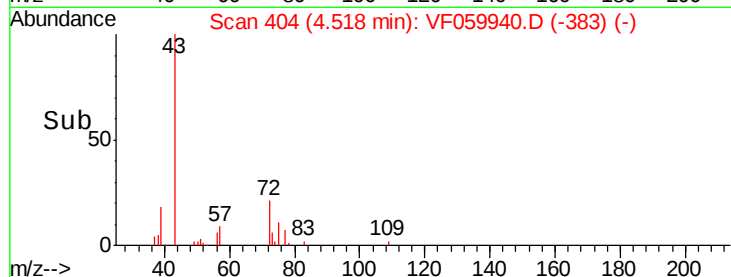
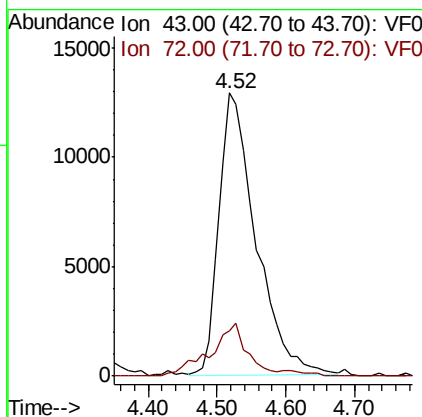
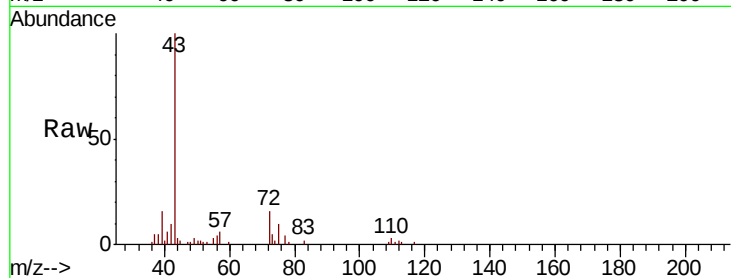
72 15.8 13.9 20.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.88 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF059940.D

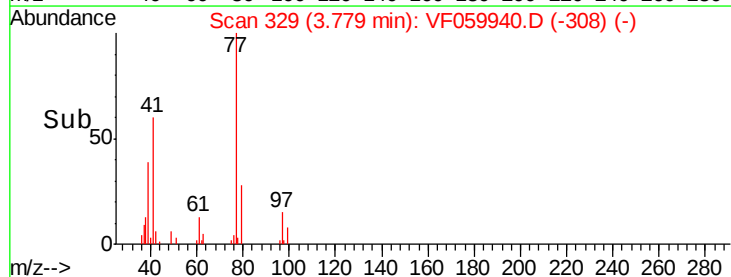
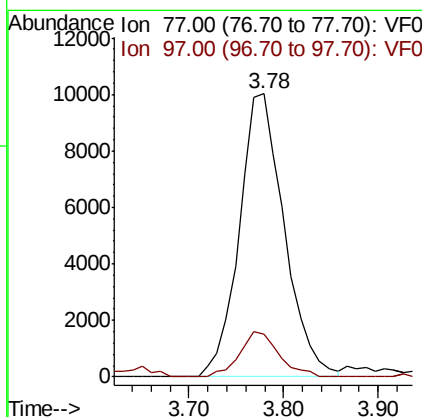
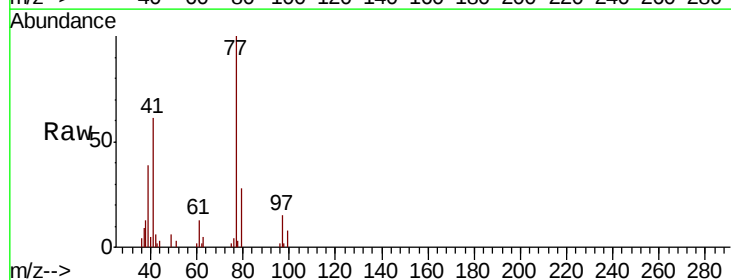
Acq: 10 Aug 2018 13:10

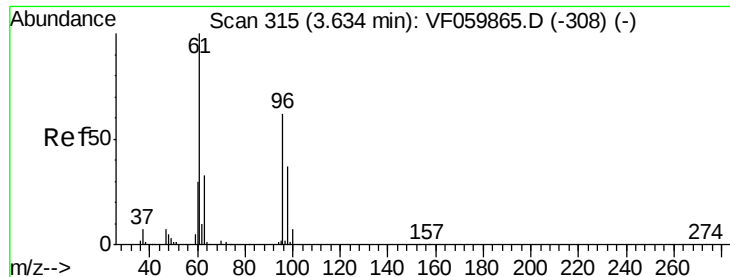
Tgt Ion: 77 Resp: 33097

Ion Ratio Lower Upper

77 100

97 14.9 6.8 20.3





#27

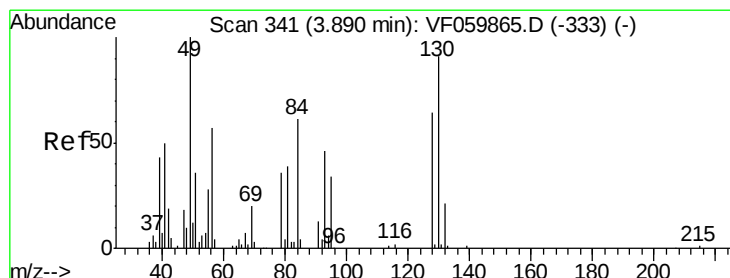
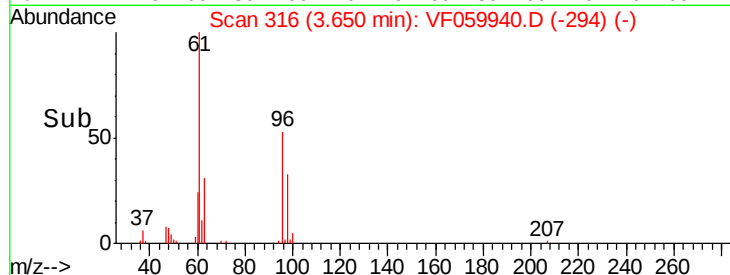
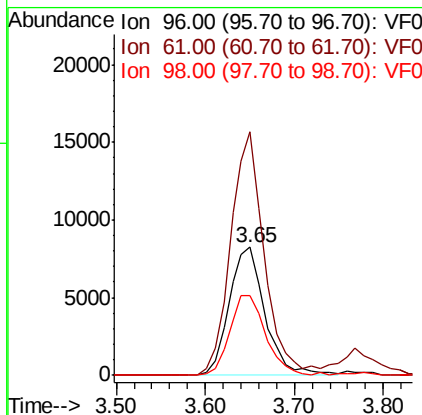
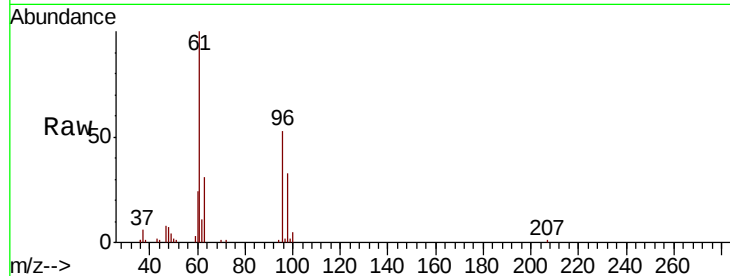
cis-1,2-Dichloroethene
Concen: 21.15 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	23112		
61	189.7	0.0	320.8	
98	62.4	0.0	117.6	

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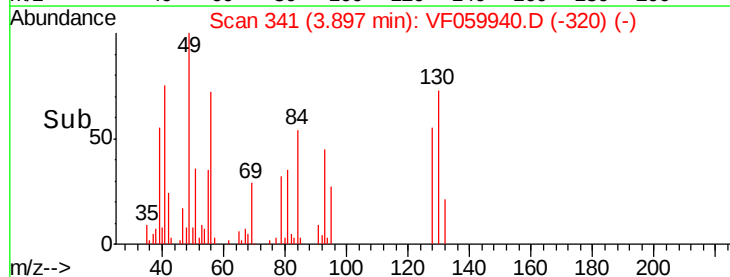
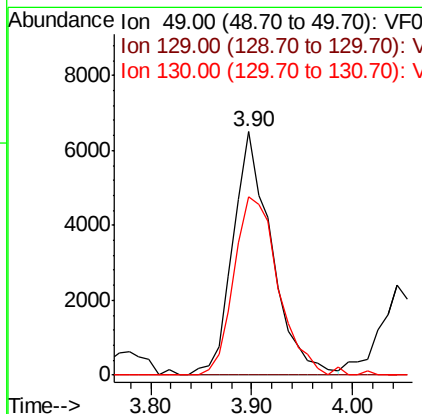
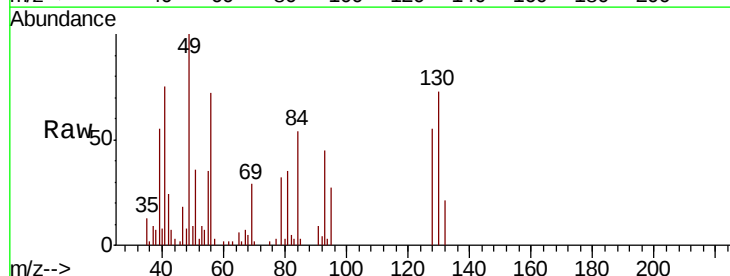
apatel
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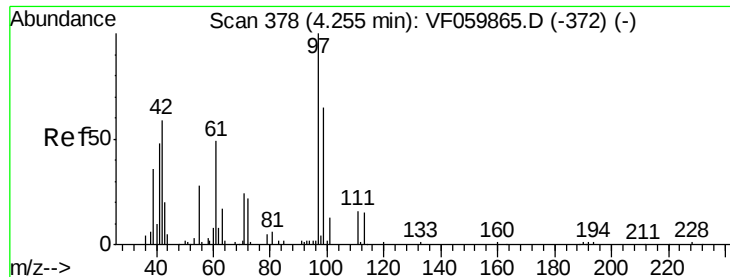


#28

Bromochloromethane
Concen: 21.45 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	17305		
129	0.0	0.0	4.6	
130	73.1	73.8	110.8	





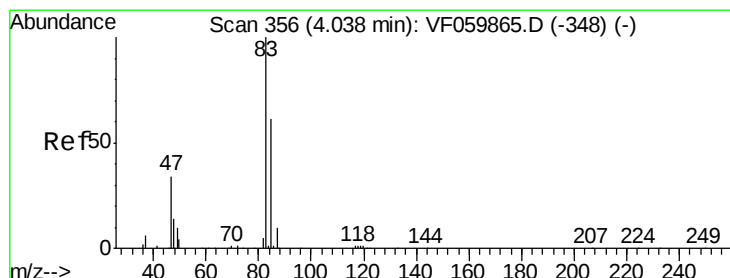
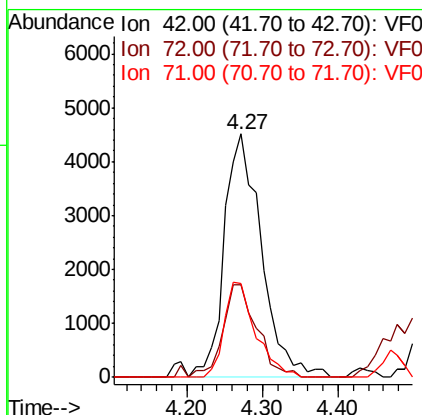
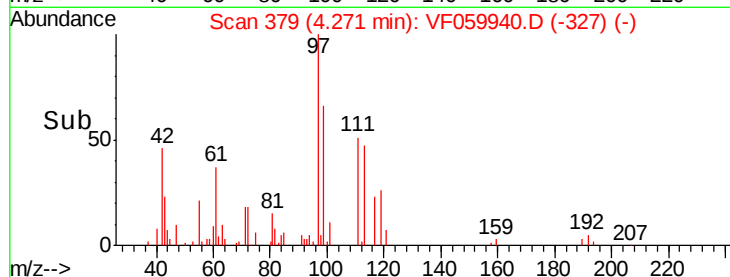
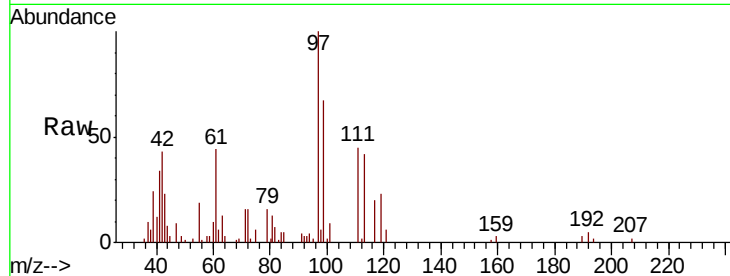
#29
Tetrahydrofuran
Concen: 105.30 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.02 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

Tot Ion	42	Resp	15362
Ion Ratio	Lower	Upper	
42	100		
72	34.8	29.3	43.9
71	33.2	30.0	45.0

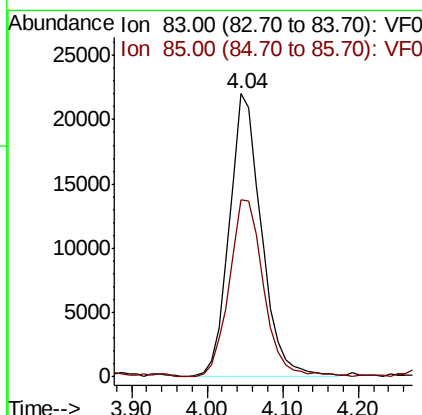
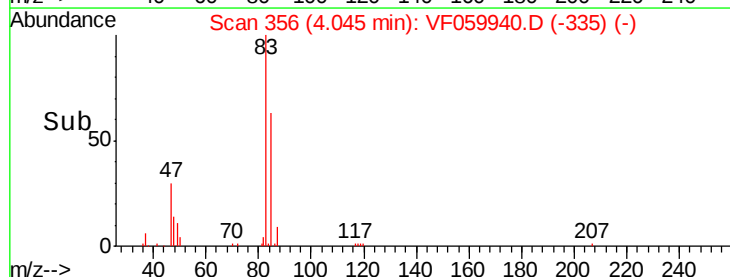
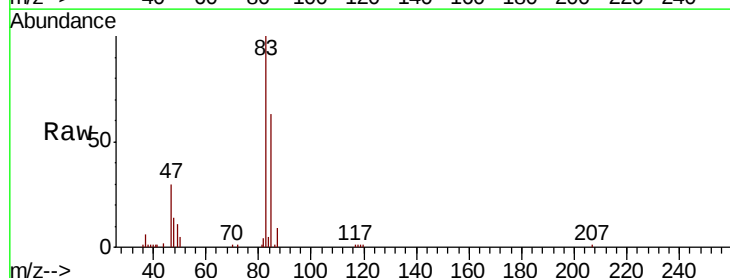
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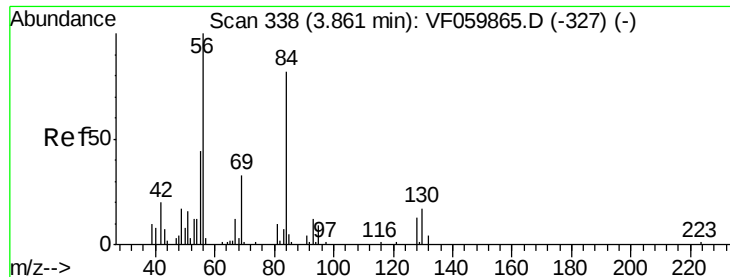
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#30
Chloroform
Concen: 20.99 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	83	Resp	64889
Ion Ratio	Lower	Upper	
83	100		
85	62.7	49.3	73.9





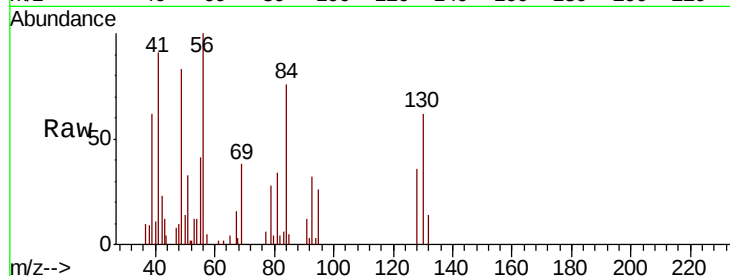
#31
Cyclohexane
Concen: 23.54 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.03 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBSD01

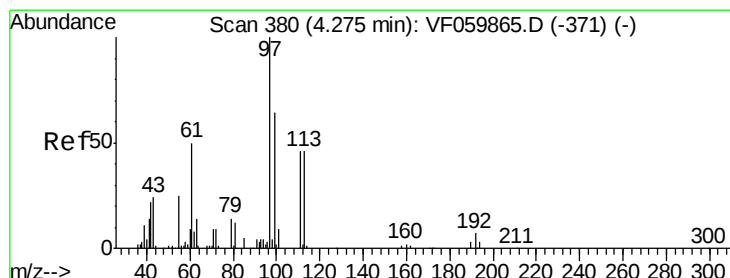
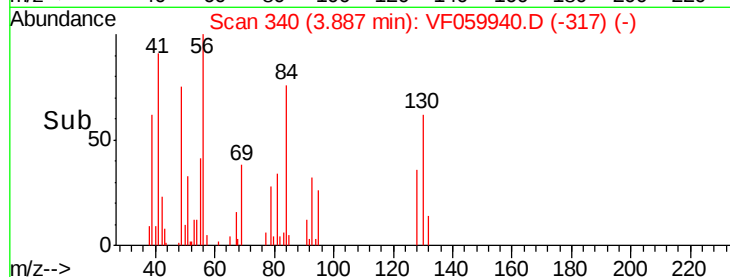
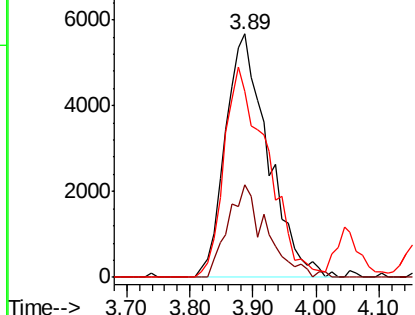
Tot Ion:	56	Resp:	26622
Ion Ratio	Lower	Upper	
56	100		
69	38.2	26.7	40.1
84	76.5	65.9	98.9

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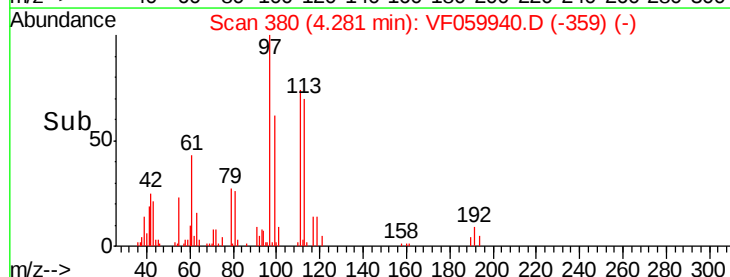
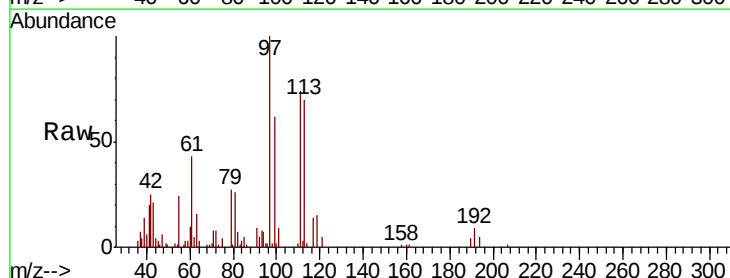
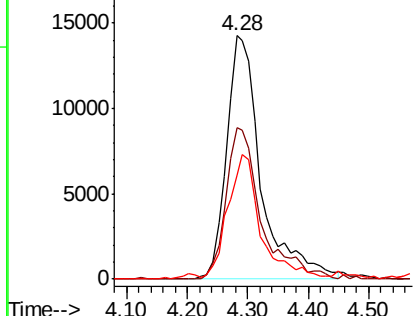
Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

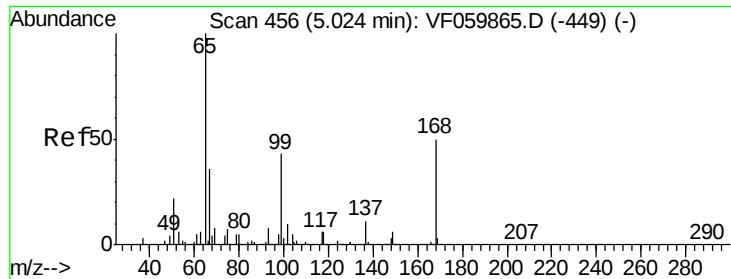


#32
1,1,1-Trichloroethane
Concen: 22.82 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion:	97	Resp:	56435
Ion Ratio	Lower	Upper	
97	100		
99	62.2	51.4	77.2
61	42.9	40.8	61.2

Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





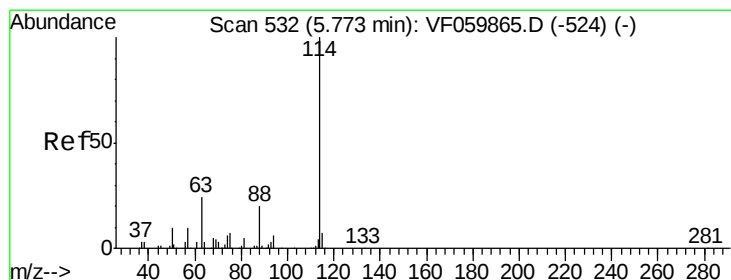
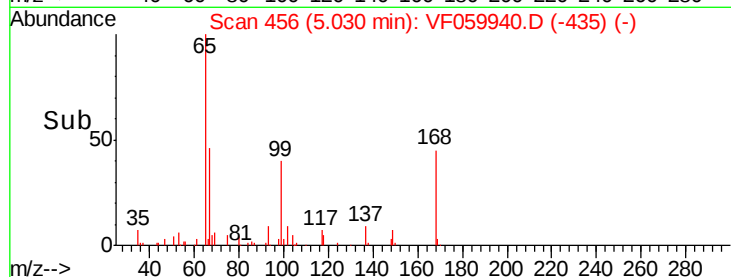
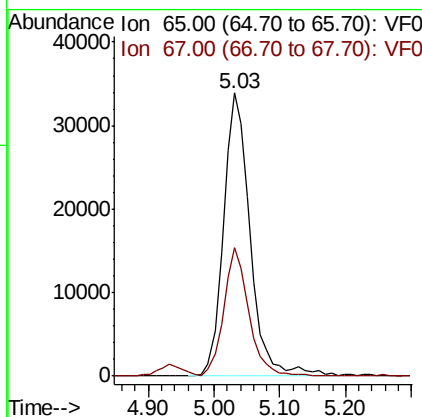
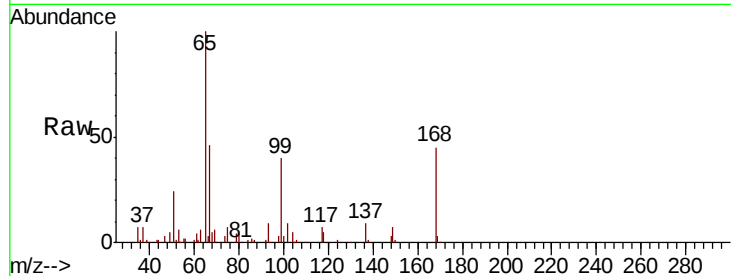
#33
 1,2-Dichloroethane-d4
 Concen: 48.55 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	45.6	0.0	77.2	

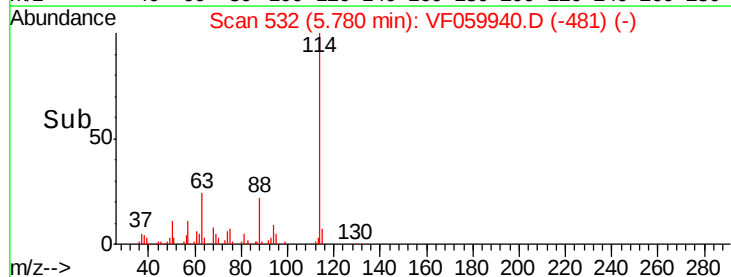
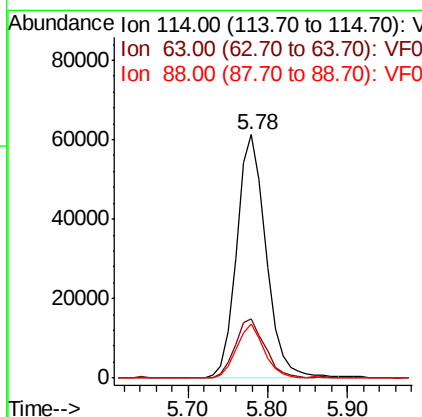
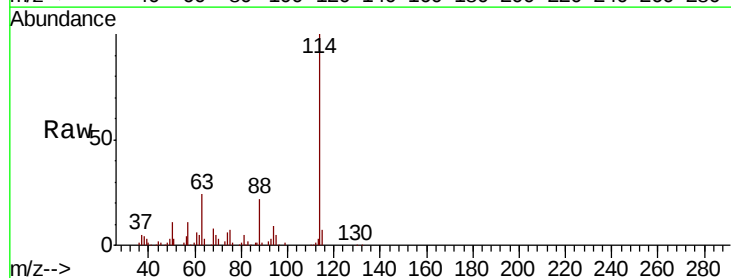
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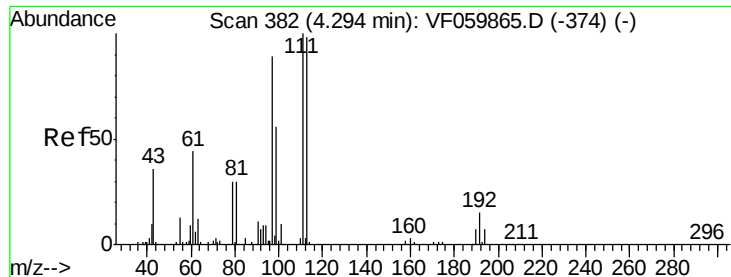
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.4	0.0	48.0	
88	22.4	0.0	39.4	





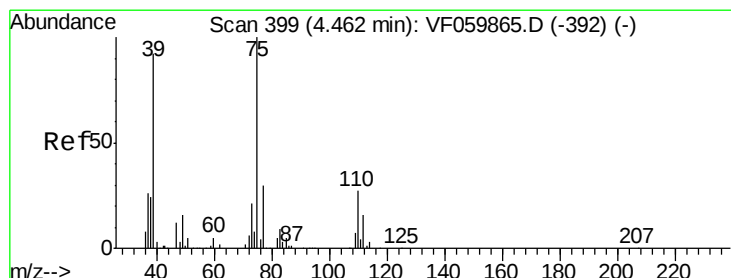
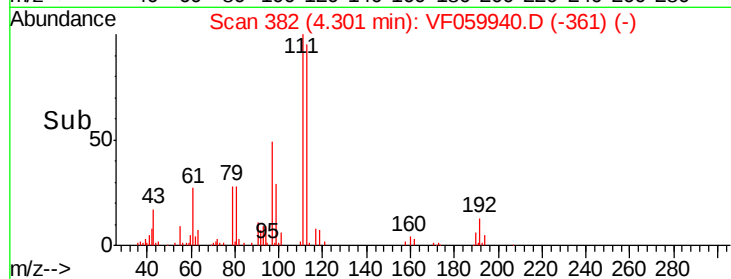
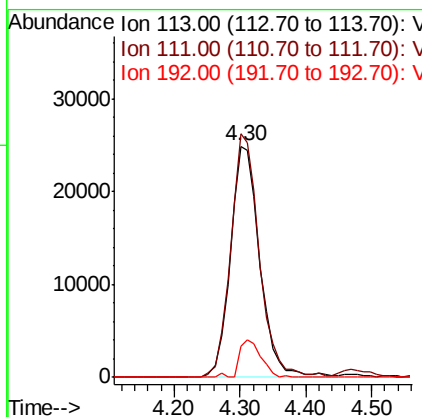
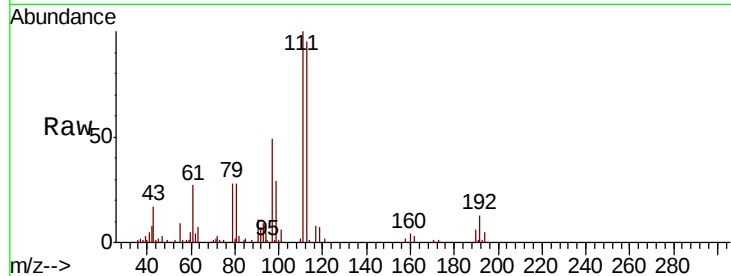
#35
 Dibromofluoromethane
 Concen: 49.92 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.8	122.8
192	13.4	12.4	18.6

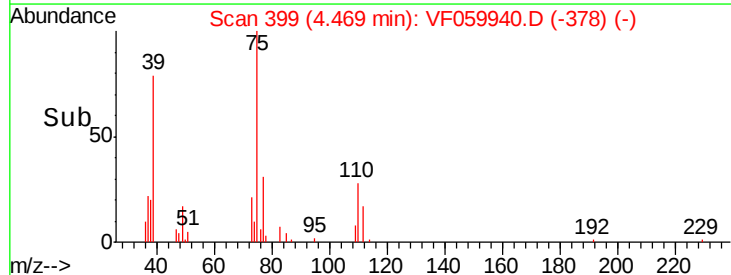
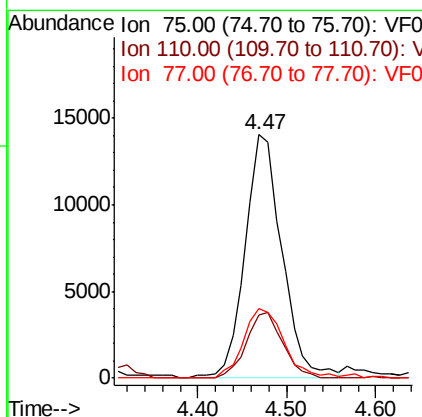
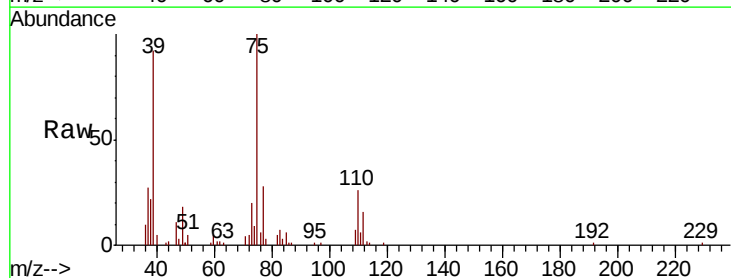
Manual Integrations
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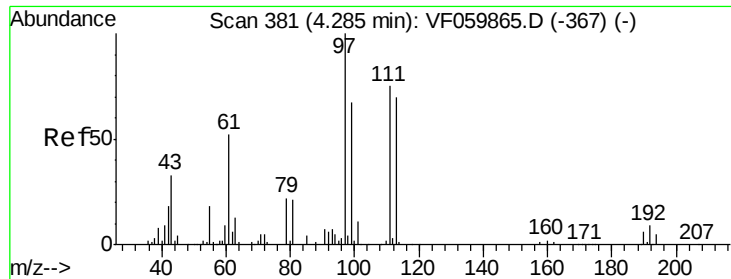
apatel
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#36
 1,1-Dichloropropene
 Concen: 22.27 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.1	13.6	40.7
77	28.3	23.7	35.5





#37

Ethyl Acetate

Concen: 24.66 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

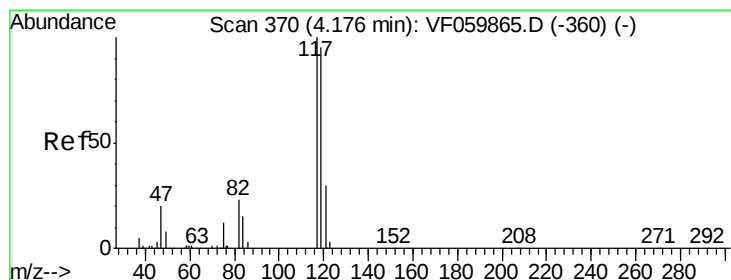
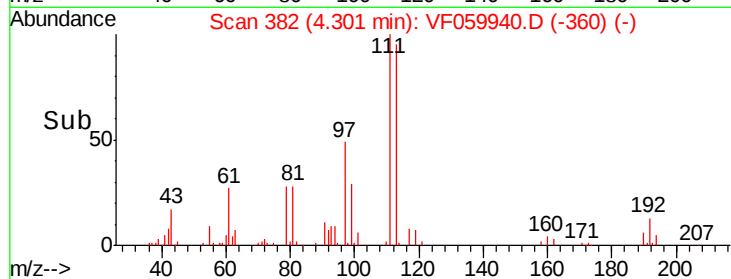
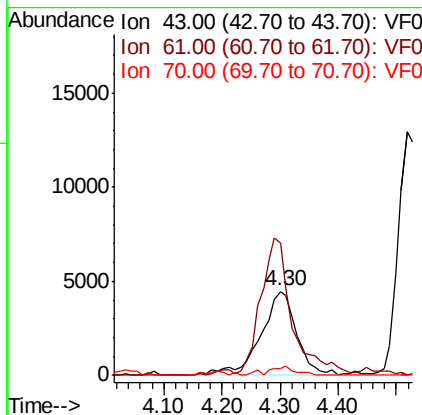
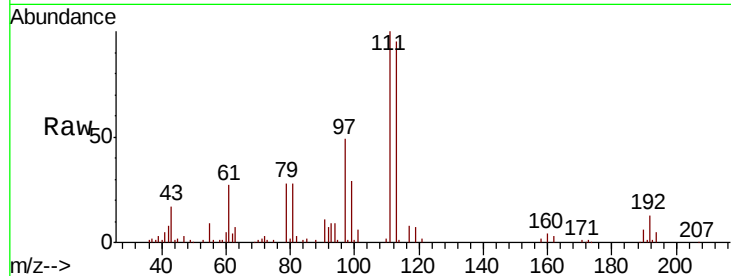
ClientSampleId :

VF0810SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	157.0	123.7	185.5
70	7.7	7.8	11.8#

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#38

Carbon Tetrachloride

Concen: 23.39 ug/l m

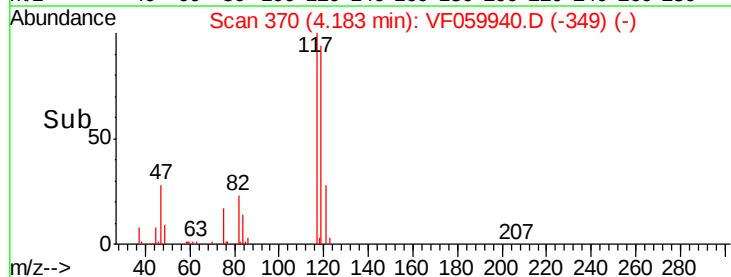
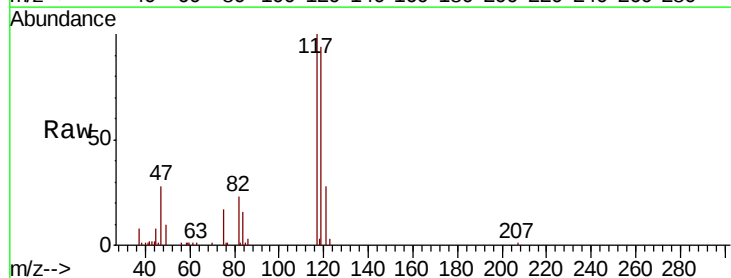
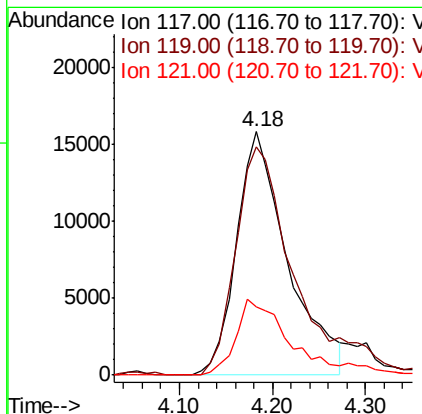
RT: 4.18 min Scan# 370

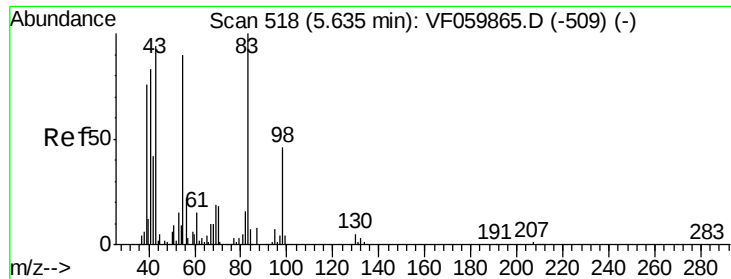
Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.5	114.7
121	28.0	23.8	35.8





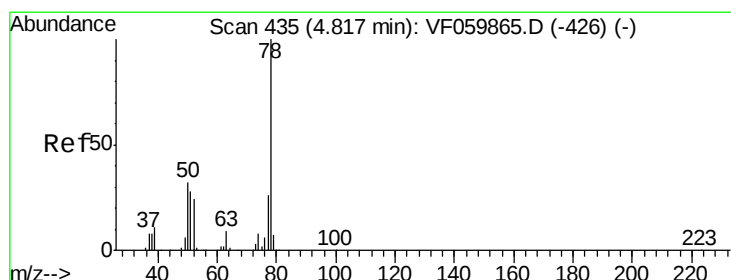
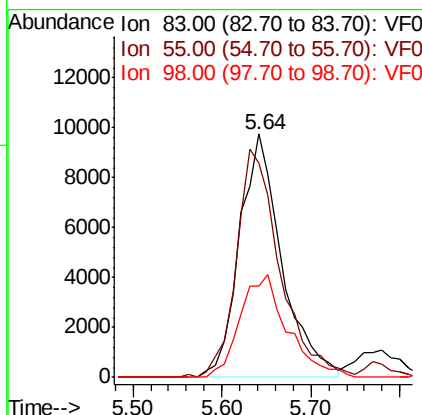
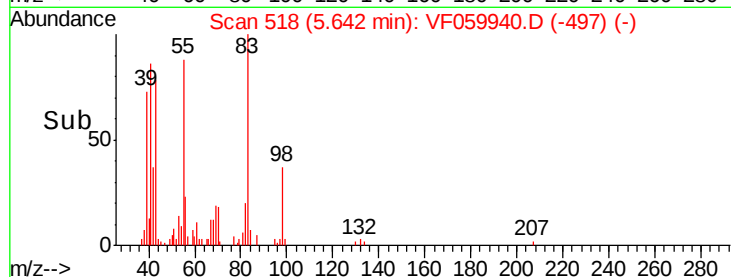
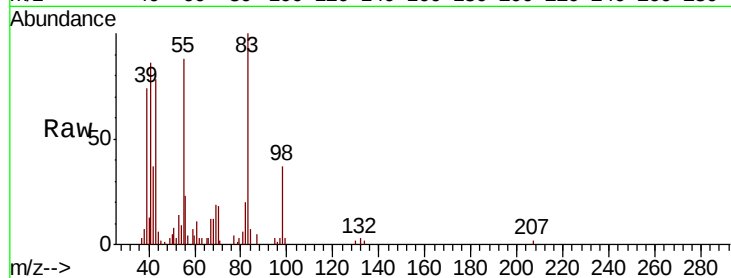
#39
Methvlcvclohexane
Concen: 23.68 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.1	72.0	108.0
98	37.5	36.6	54.8

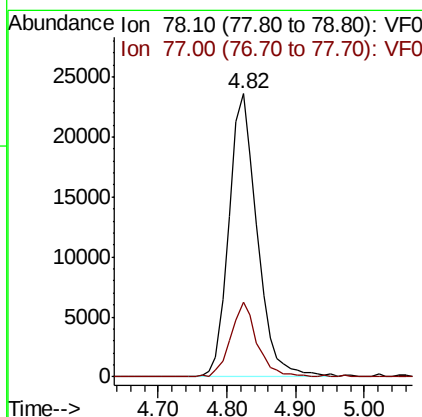
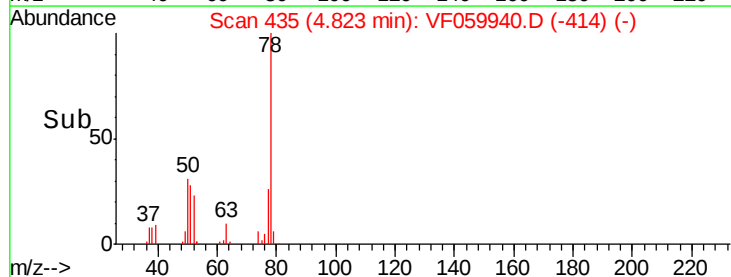
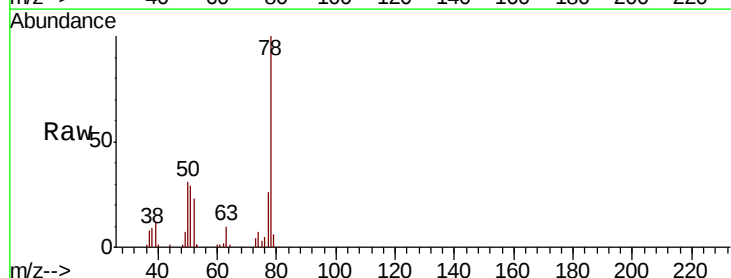
Manual Integrations
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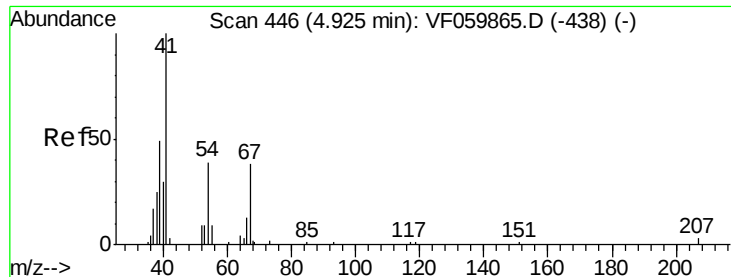
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#40
Benzene
Concen: 19.75 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	20.7	31.1





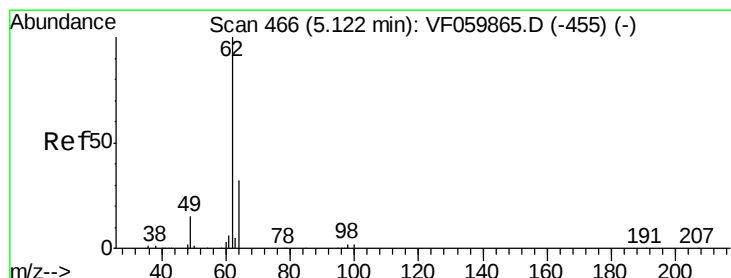
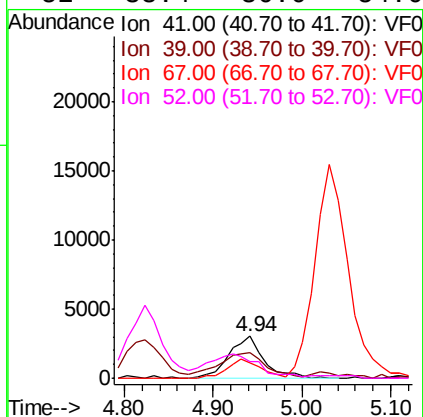
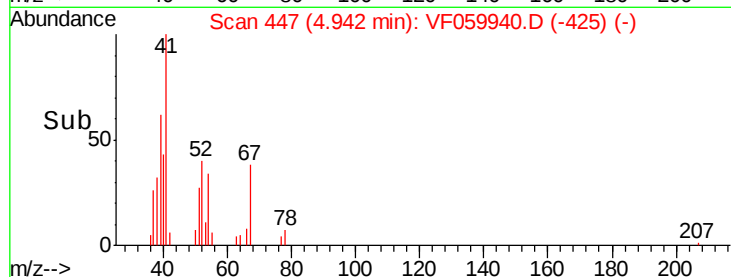
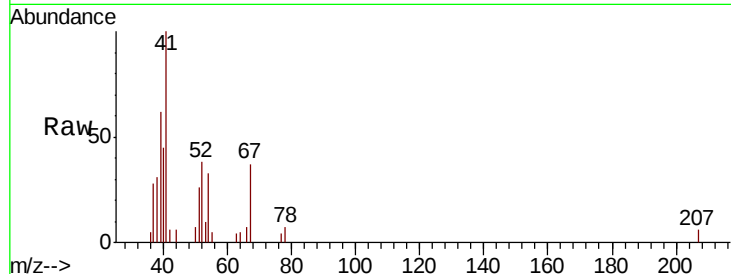
#41
Methacrylonitrile
Concen: 20.25 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.02 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBSD01

Tot Ion:	41	Resp:	8303
Ion	Ratio	Lower	Upper
41	100		
39	62.2	55.1	82.7
67	36.8	30.3	45.5
52	38.4	36.0	54.0

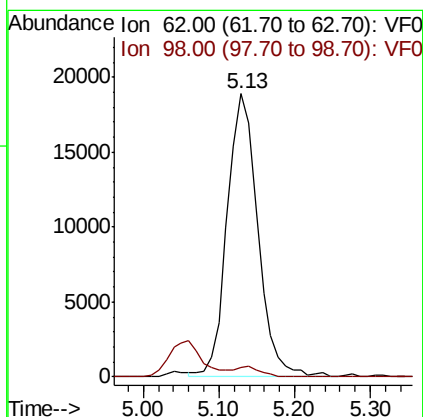
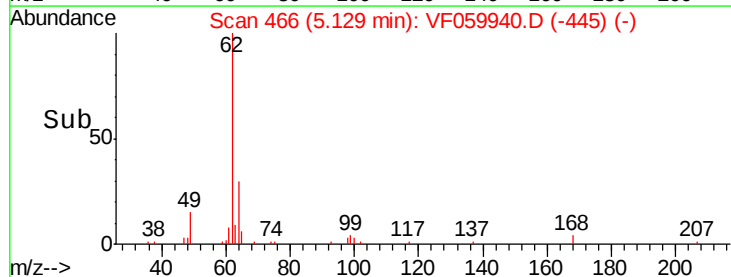
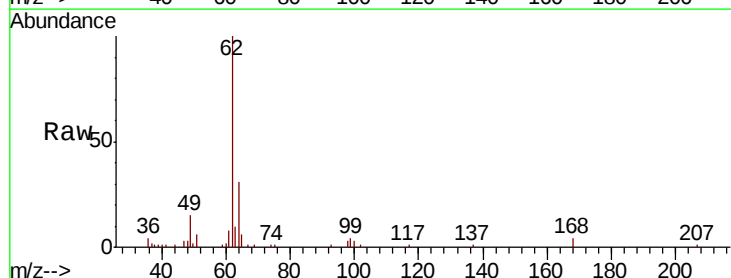
Manual Integrations
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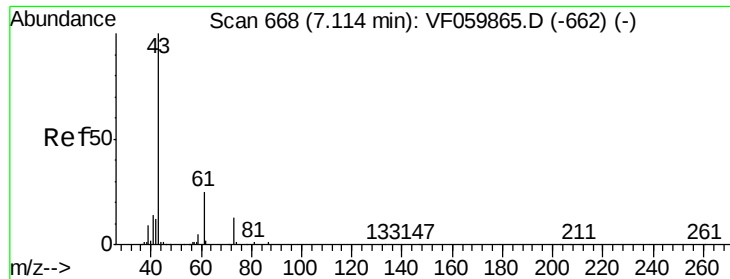
apatel
8/13/2018 12:33:52 PM



#42
1,2-Dichloroethane
Concen: 21.24 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion:	62	Resp:	53207
Ion	Ratio	Lower	Upper
62	100		
98	3.4	0.0	7.6





#43

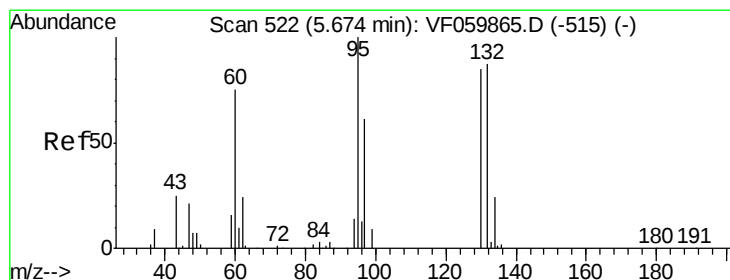
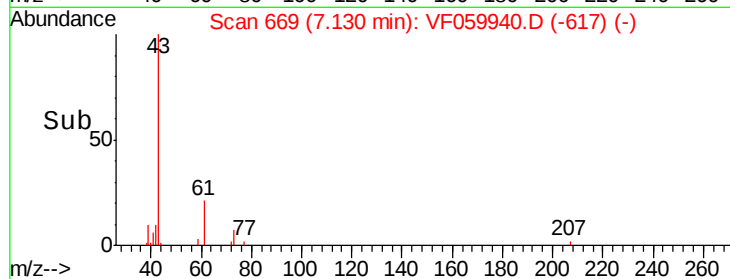
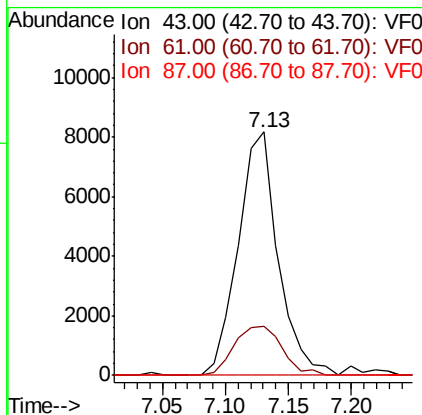
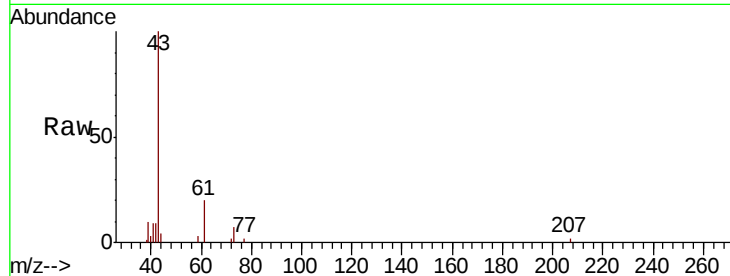
Isopropyl Acetate
 Concen: 22.47 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	20.3	30.5#
87	0.0	0.7	1.1#

Manual Integrations
 APPROVED

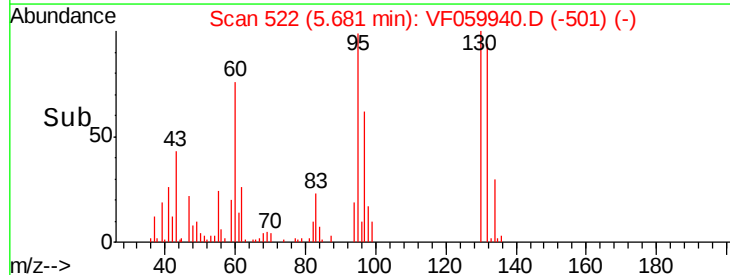
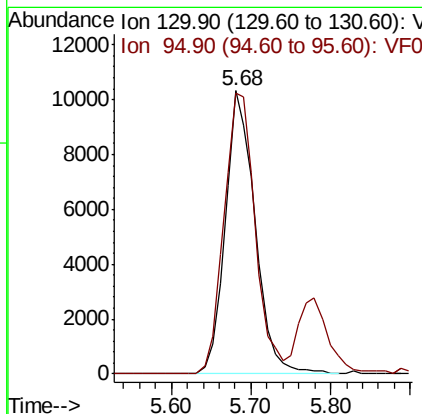
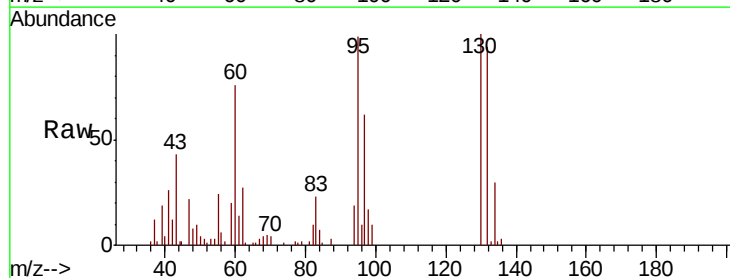
apatel
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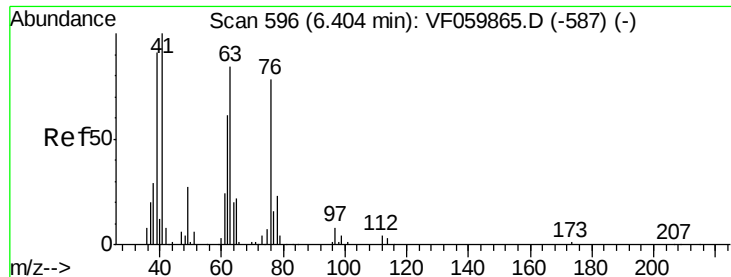


#44

Trichloroethene
 Concen: 22.37 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	236.8





#45

1,2-Dichloropropane

Concen: 20.91 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tot Ion: 63 Resp: 17359

Ion Ratio Lower Upper

63 100

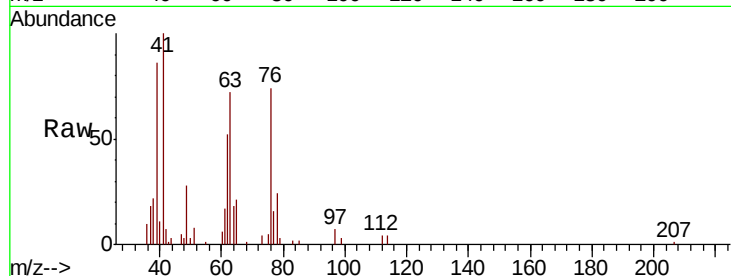
65 29.2 20.4 30.6

Manual Integrations

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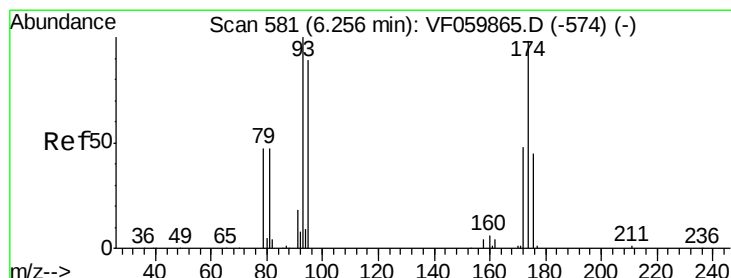
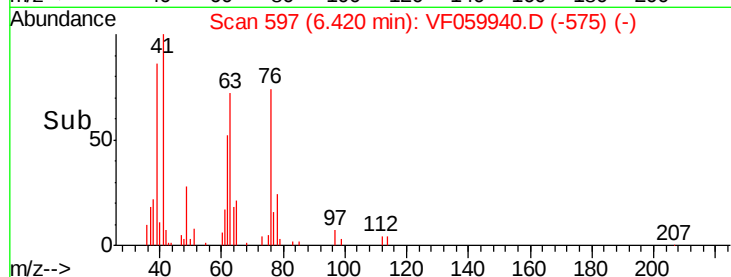
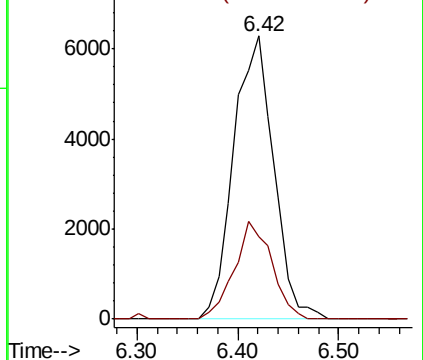
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.16 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

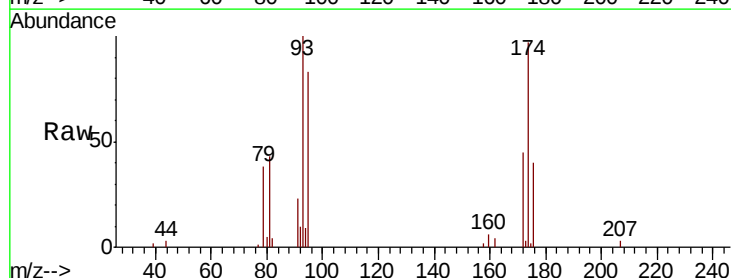
Tgt Ion: 93 Resp: 17724

Ion Ratio Lower Upper

93 100

95 82.9 71.4 107.2

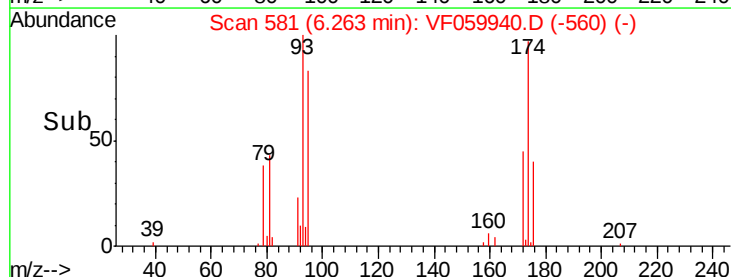
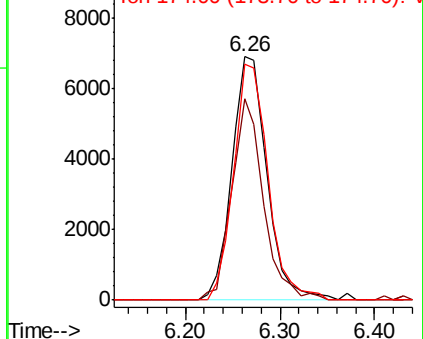
174 99.2 78.1 117.1

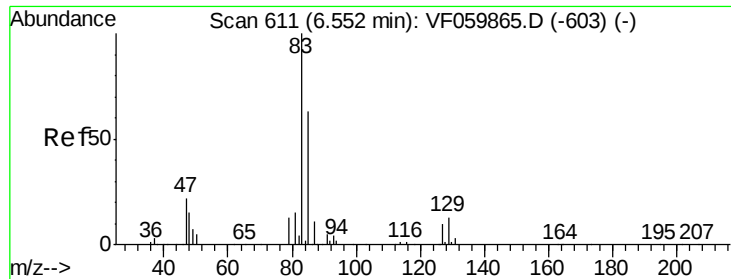


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.34 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

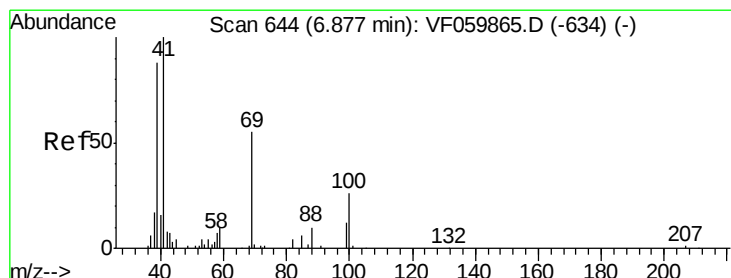
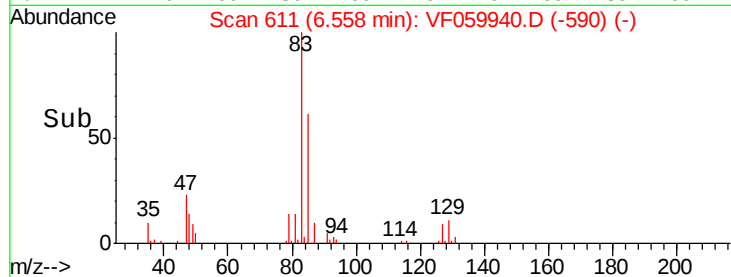
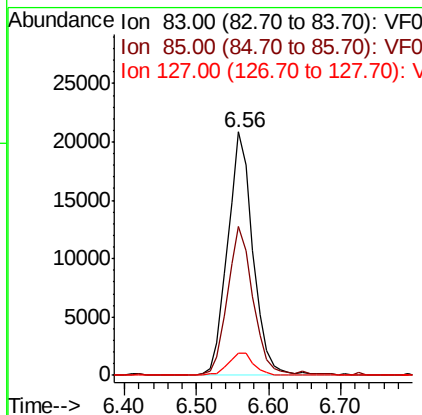
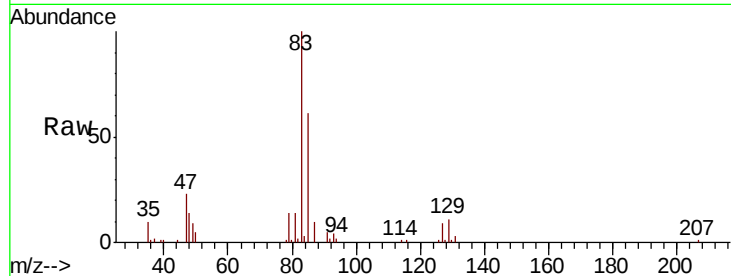
ClientSampleId :

VF0810SBS01

Tot Ion:	83	Resp:	51183
Ion Ratio	Lower	Upper	
83	100		
85	61.4	50.7	76.1
127	9.2	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.23 ug/l

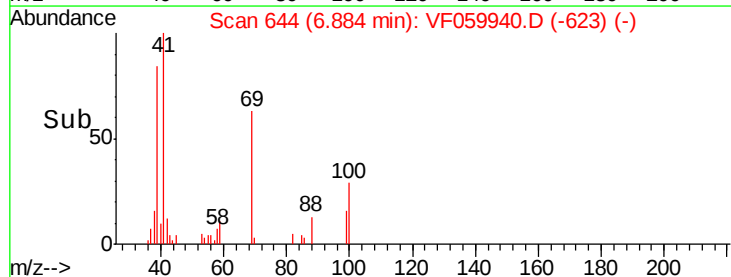
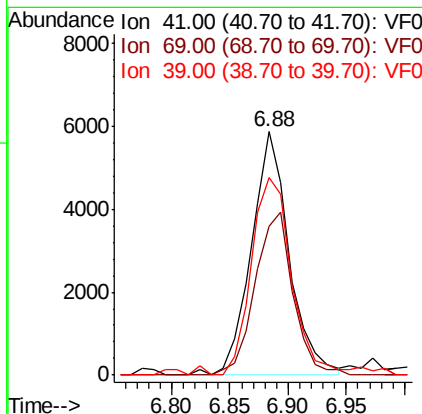
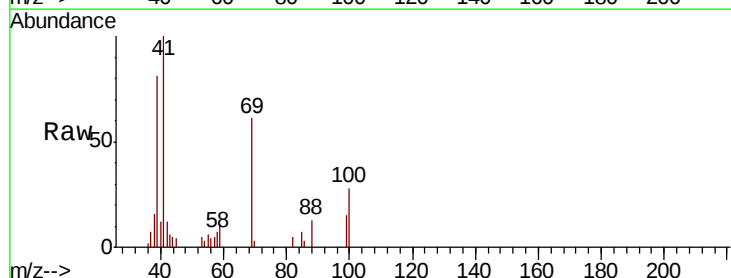
RT: 6.88 min Scan# 644

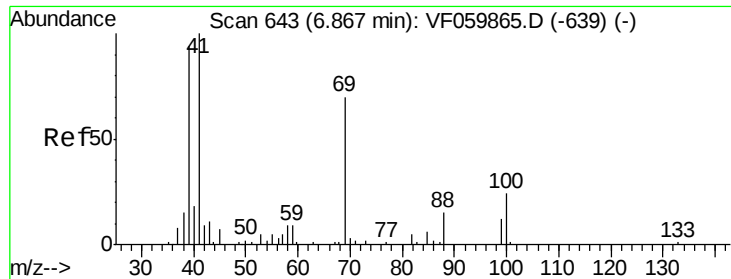
Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion:	41	Resp:	13209
Ion Ratio	Lower	Upper	
41	100		
69	61.3	44.4	66.6
39	81.1	70.6	106.0





#49

1,4-Dioxane

Concen: 529.87 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

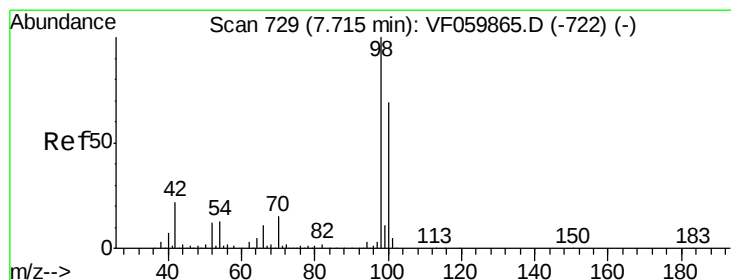
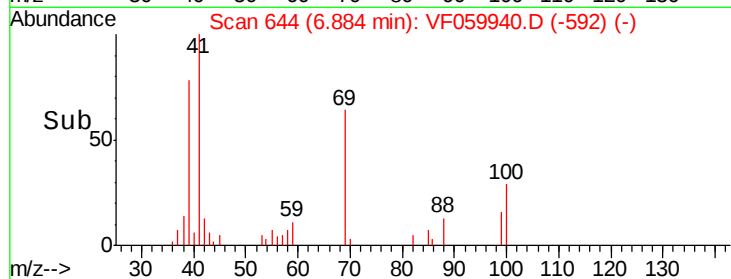
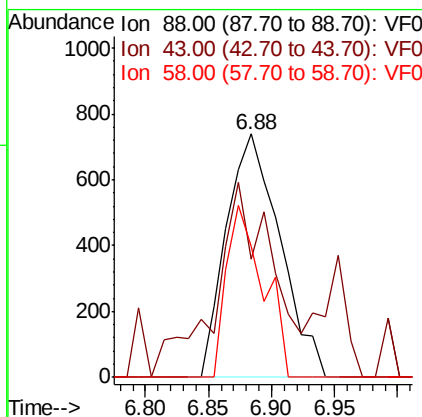
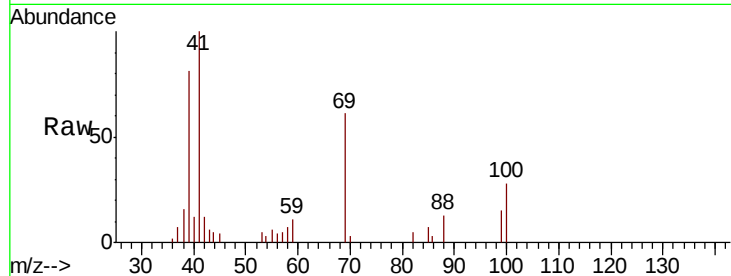
ClientSampleId :

VF0810SBS01

Tot Ion:	88	Resp:	2185
Ion Ratio	Lower	Upper	
88	100		
43	48.4	58.3	87.5#
58	53.6	49.4	74.2

Manual Integrations
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#50

Toluene-d8

Concen: 53.36 ug/l

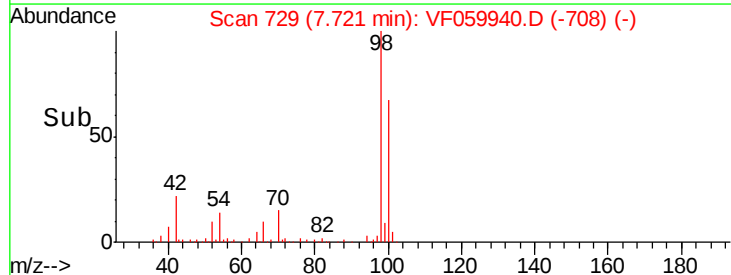
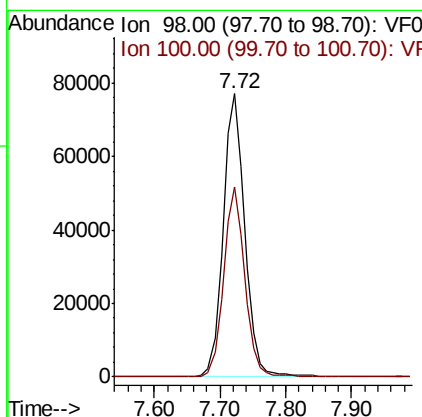
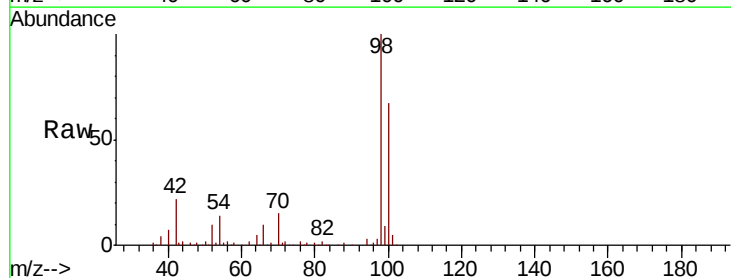
RT: 7.72 min Scan# 729

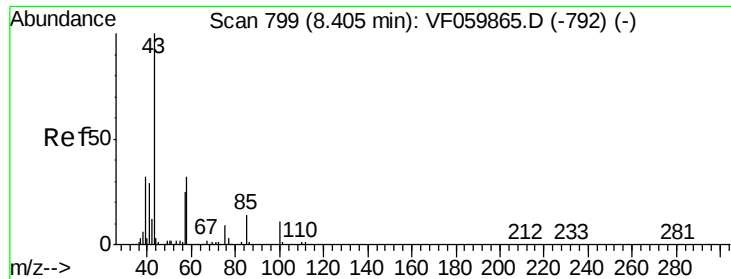
Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion:	98	Resp:	176696
Ion Ratio	Lower	Upper	
98	100		
100	67.1	55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 111.53 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBSD01

Tot Ion: 43 Resp: 91214

Ion Ratio Lower Upper

43 100

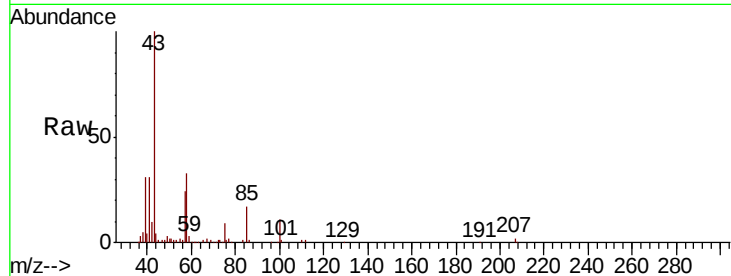
58 32.5 25.4 38.0

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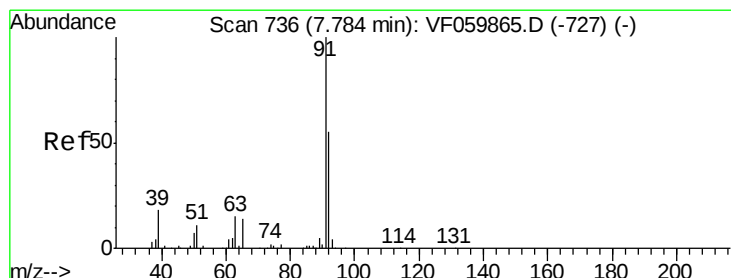
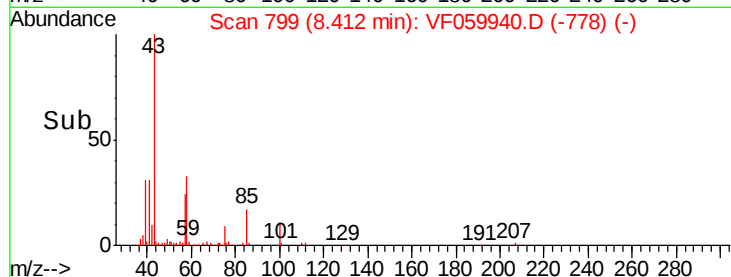
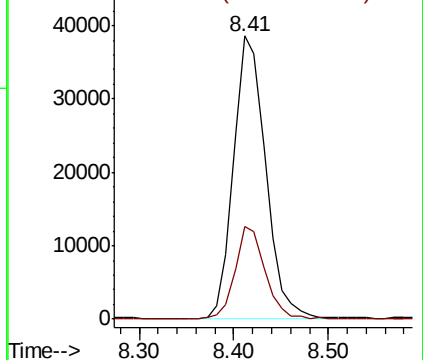
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.19 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059940.D

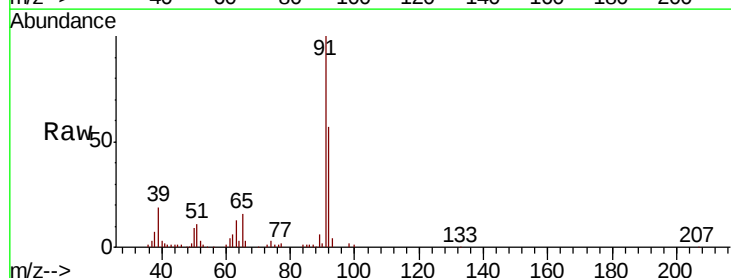
Acq: 10 Aug 2018 13:10

Tgt Ion: 92 Resp: 50705

Ion Ratio Lower Upper

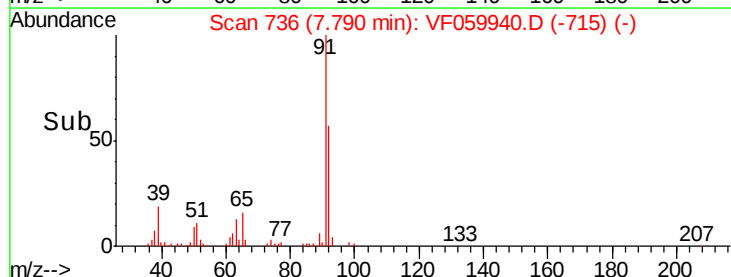
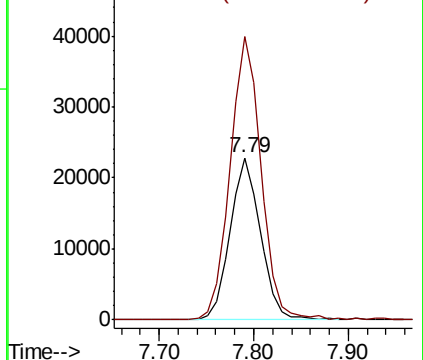
92 100

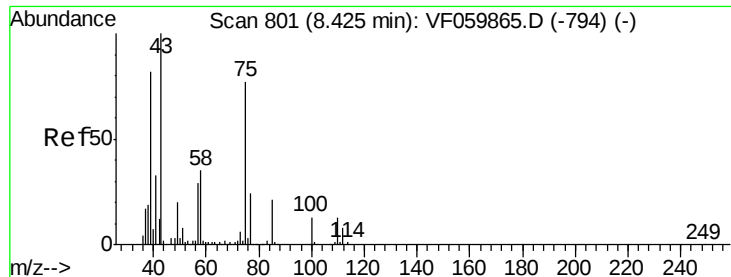
91 174.3 145.7 218.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 24.60 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBSD01

Tot Ion: 75 Resp: 42867

Ion Ratio Lower Upper

75 100

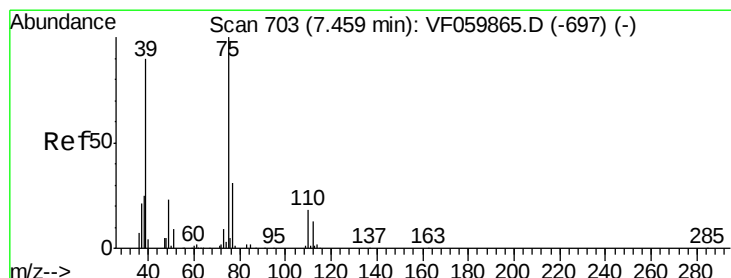
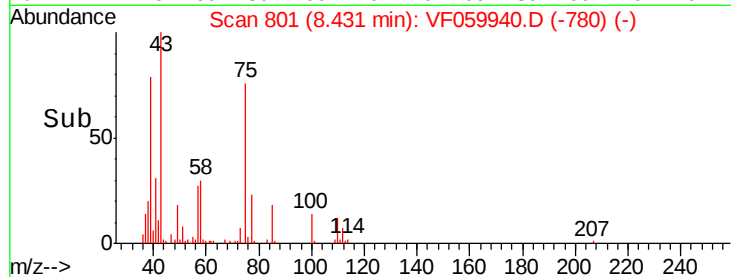
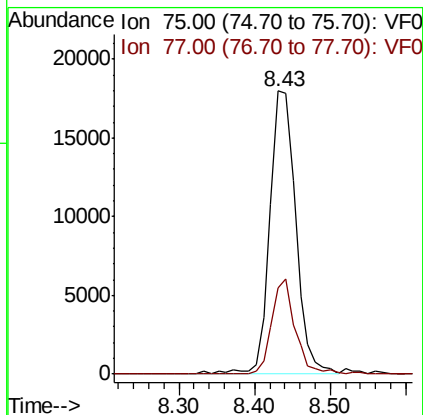
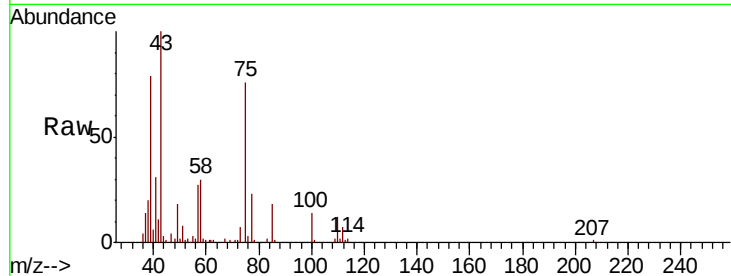
77 30.3 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 23.13 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

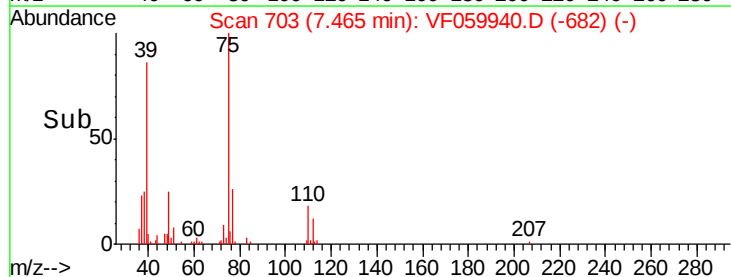
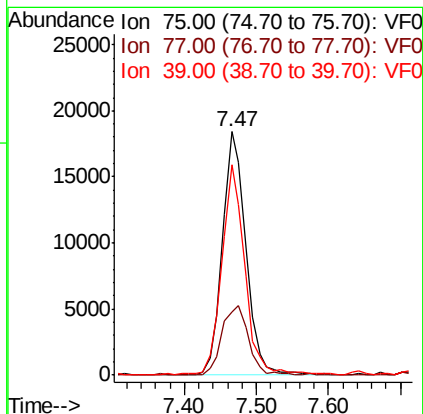
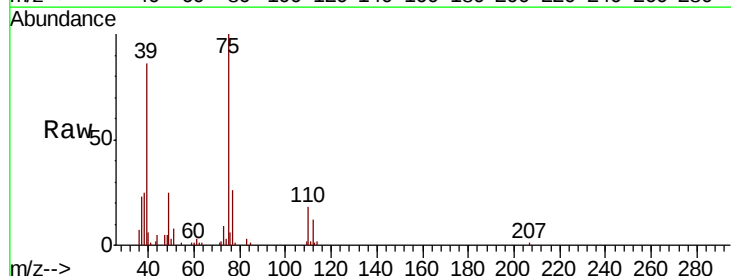
Tgt Ion: 75 Resp: 41608

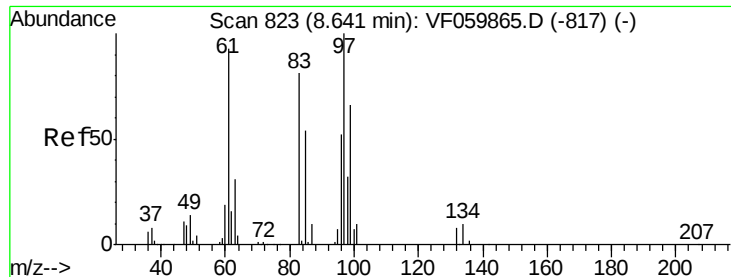
Ion Ratio Lower Upper

75 100

77 25.8 24.7 37.1

39 86.4 72.0 108.0





#55

1,1,2-Trichloroethane

Concen: 20.66 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

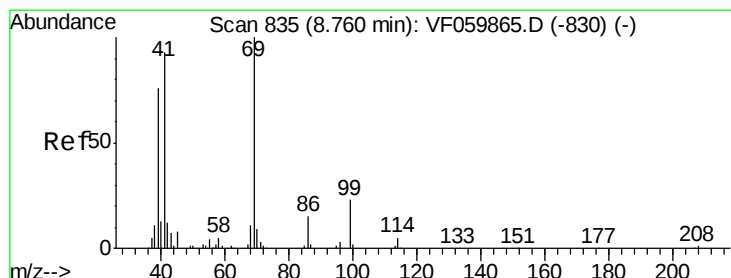
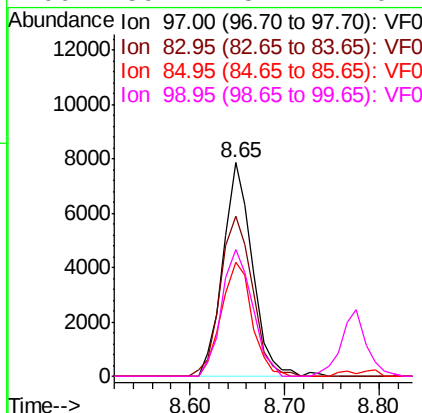
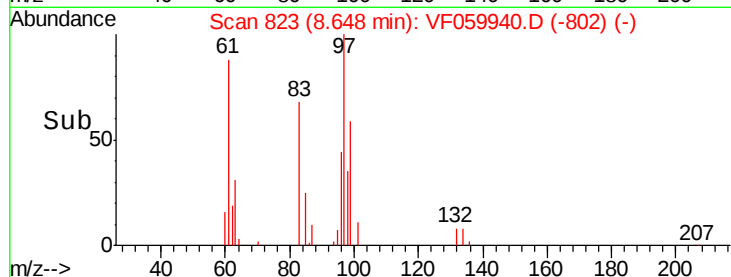
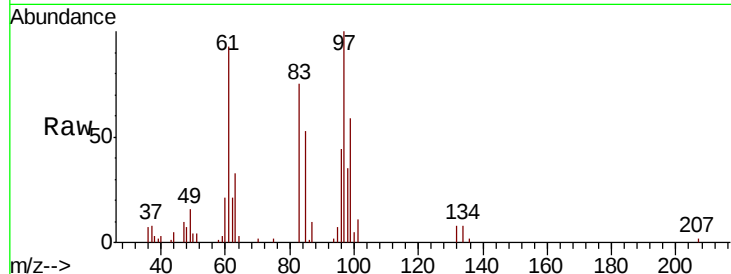
ClientSampleId :

VF0810SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		16991		
83	74.7	64.4	96.6		
85	53.4	43.1	64.7		
99	59.4	52.7	79.1		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.41 ug/l

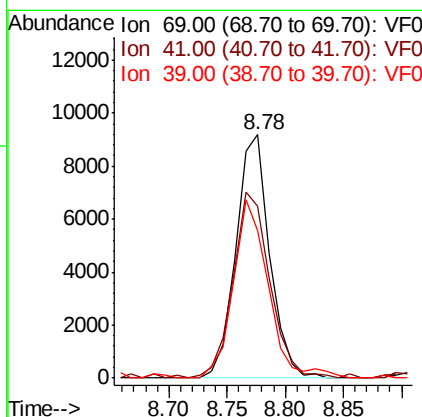
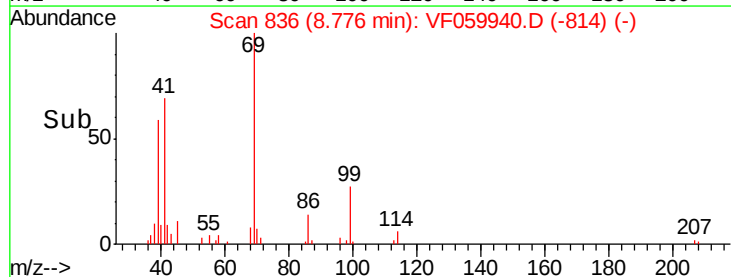
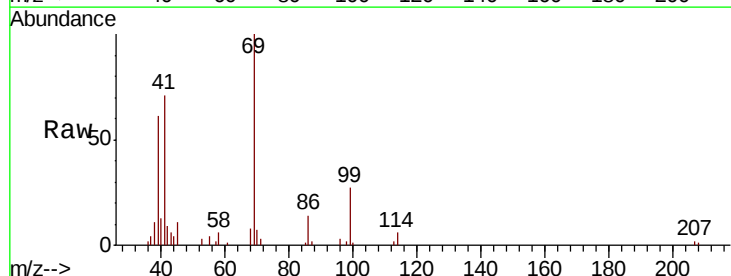
RT: 8.78 min Scan# 836

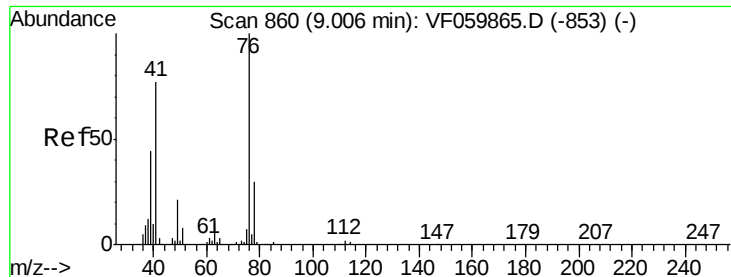
Delta R.T. 0.02 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		18423		
41	70.7	74.7	112.1#		
39	60.5	61.1	91.7#		





#57

1,3-Dichloropropane

Concen: 21.10 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tot Ion: 76 Resp: 29801

Ion Ratio Lower Upper

76 100

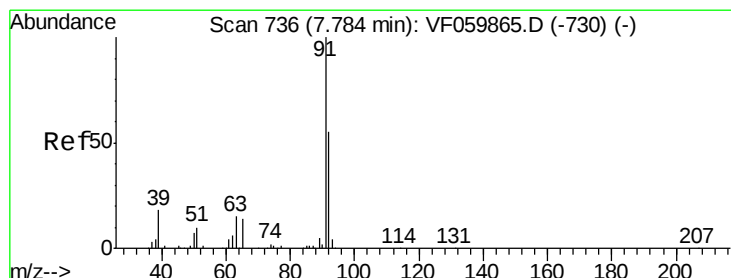
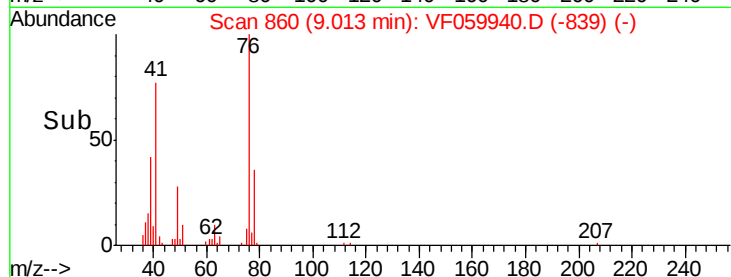
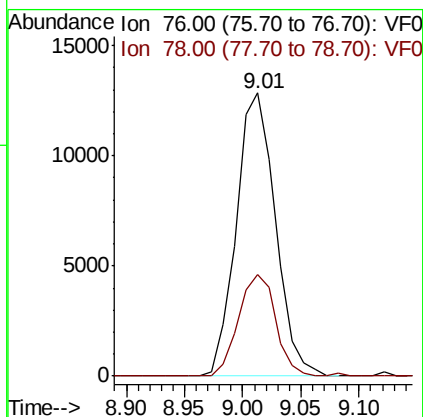
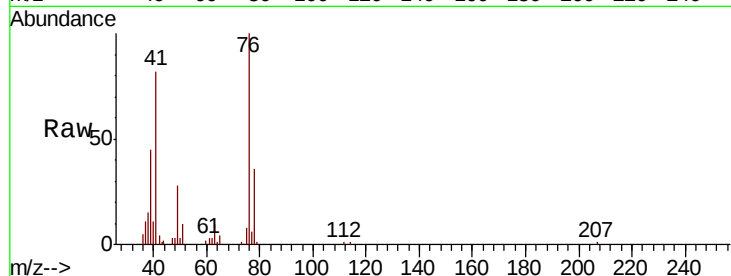
78 35.9 24.2 36.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 116.75 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059940.D

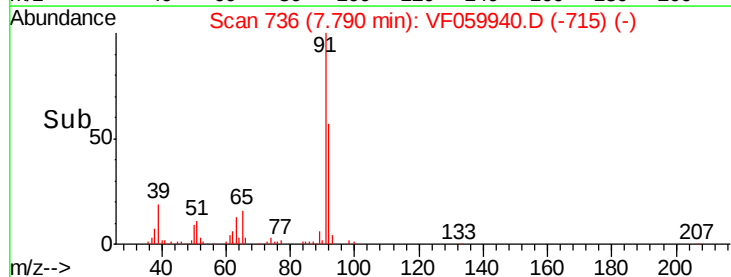
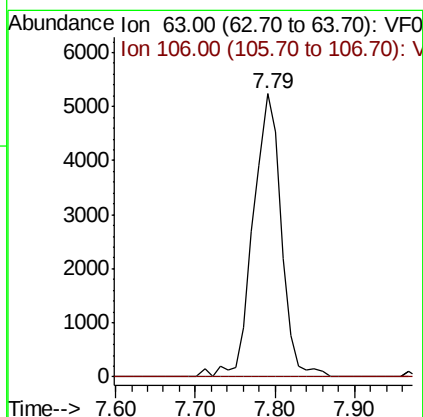
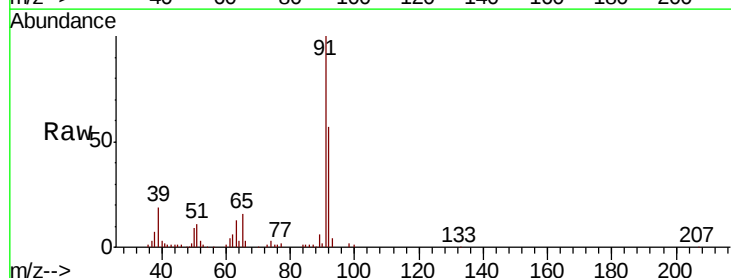
Acq: 10 Aug 2018 13:10

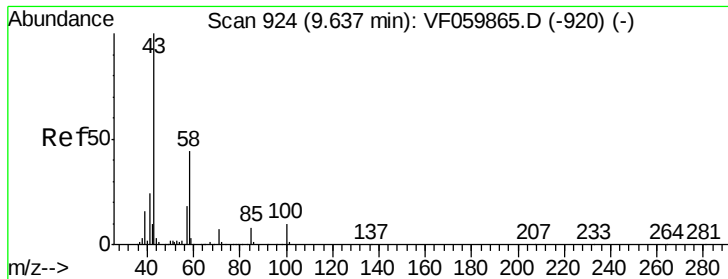
Tgt Ion: 63 Resp: 12705

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





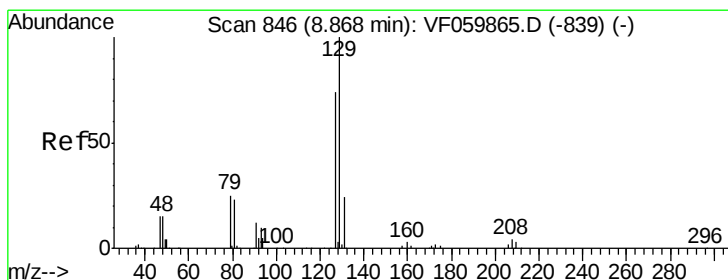
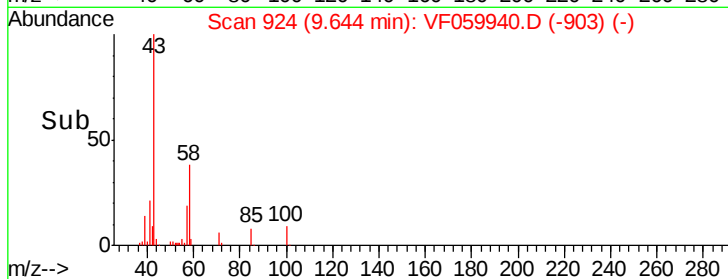
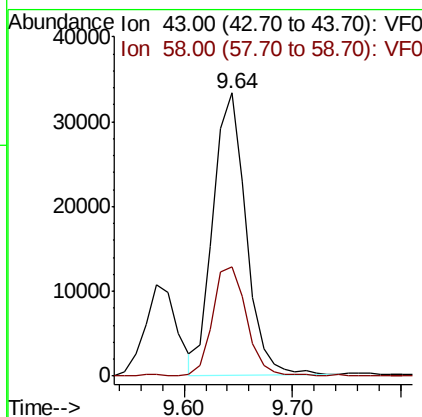
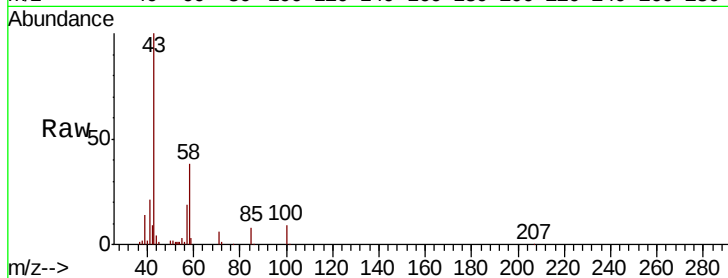
#59
2-Hexanone
Concen: 121.73 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	20.8	62.2

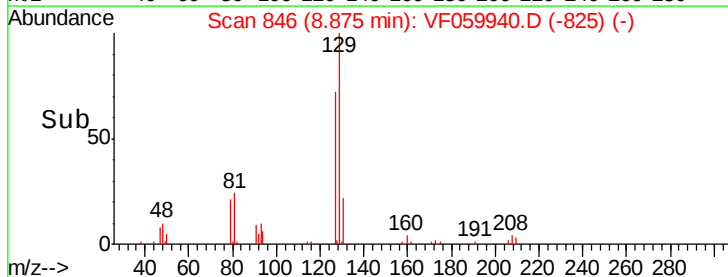
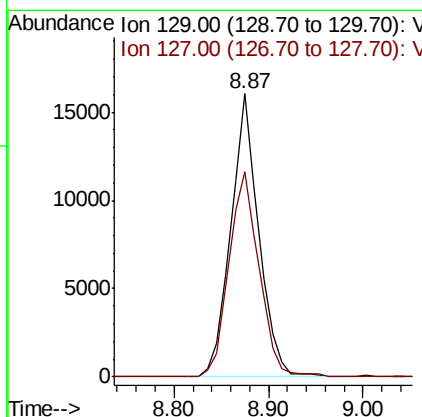
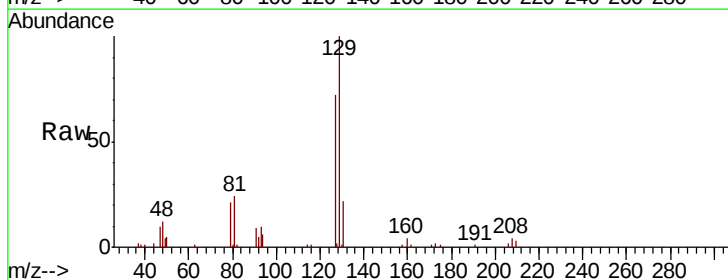
Manual Integrations
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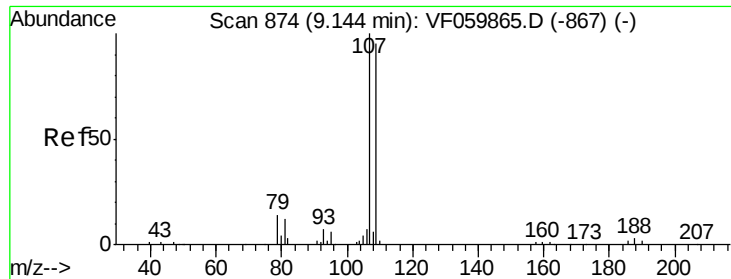
apatel
8/13/2018 12:33:52 PM



#60
Dibromochloromethane
Concen: 21.31 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.4	36.9	110.7





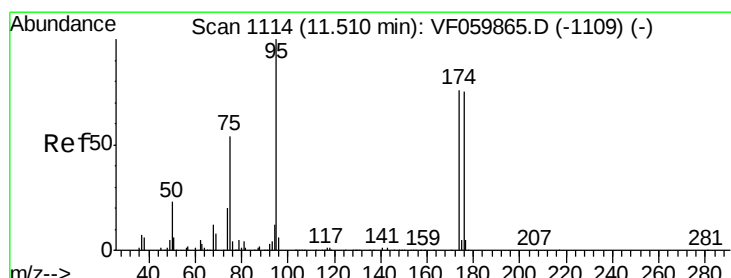
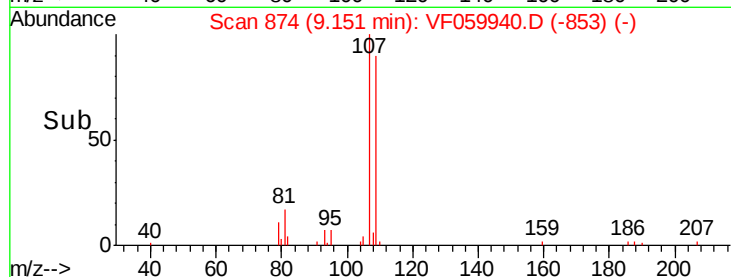
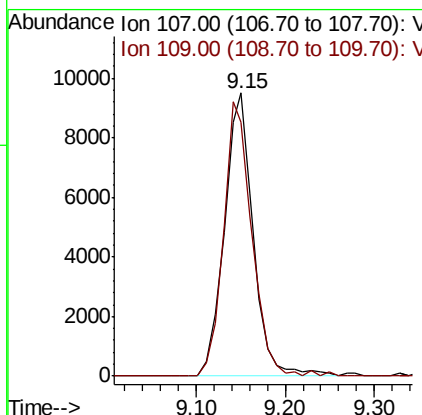
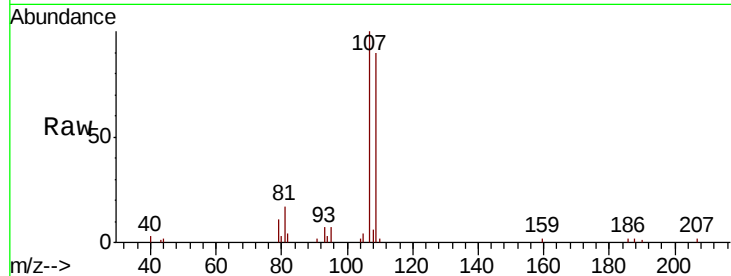
#61
 1,2-Dibromoethane
 Concen: 21.44 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.5	75.8	113.8

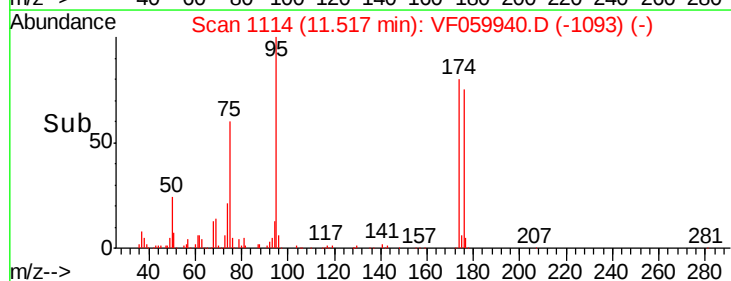
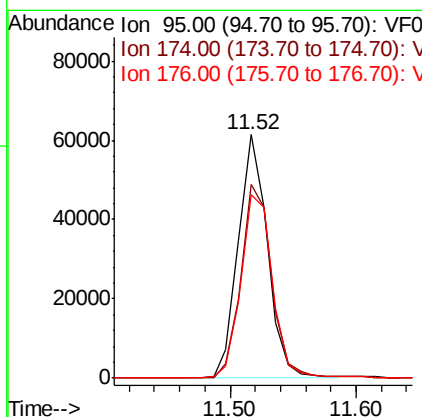
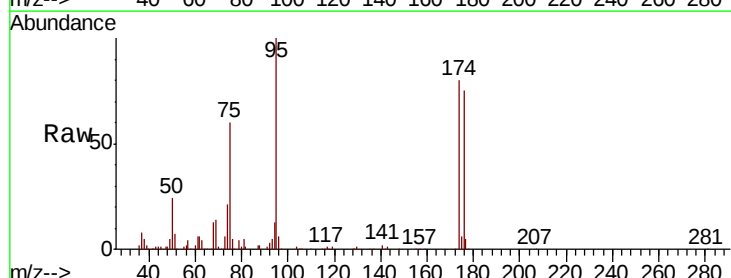
Manual Integrations
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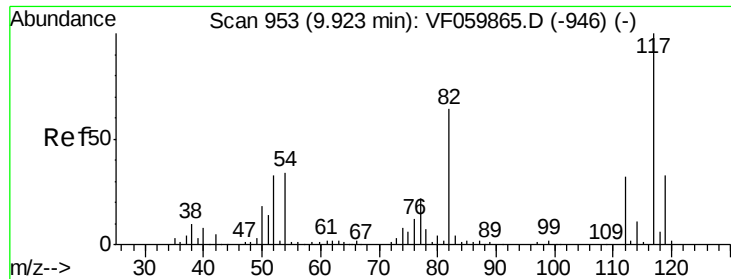
apatel
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#62
 4-Bromofluorobenzene
 Concen: 53.01 ug/l
 RT: 11.52 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	151.6
176	75.1	0.0	149.8





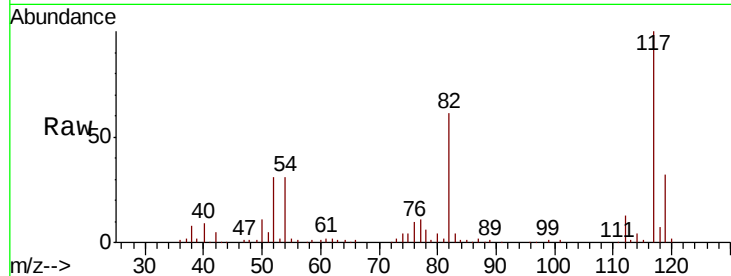
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	51.3	76.9
119	31.8	26.4	39.6

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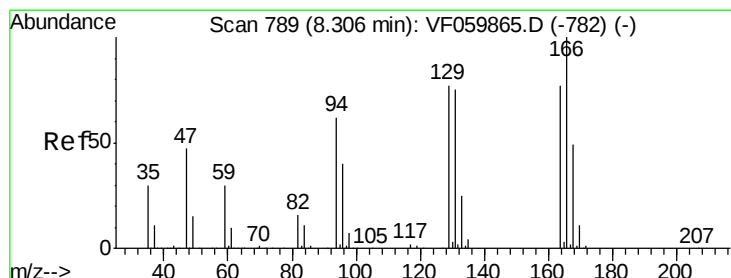
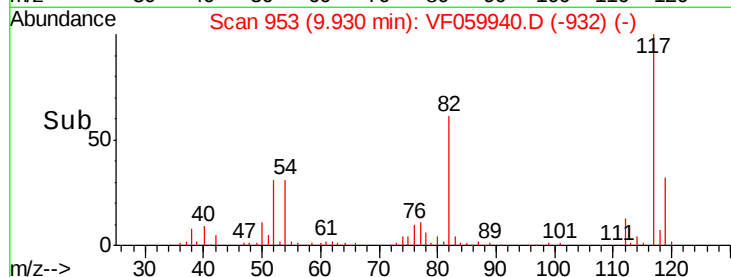
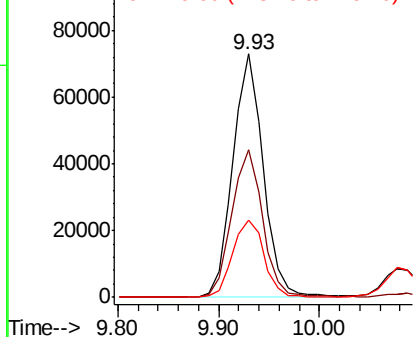


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 21.18 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.4	156.6
129	102.8	80.3	120.5
131	83.2	78.5	117.7

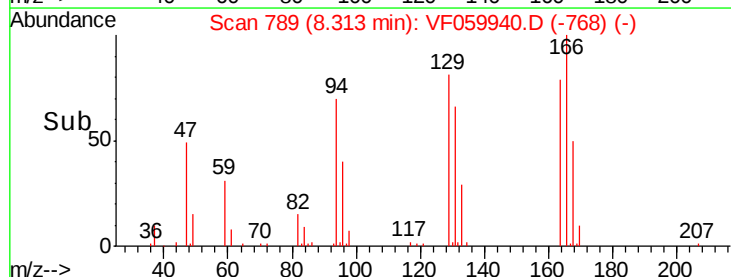
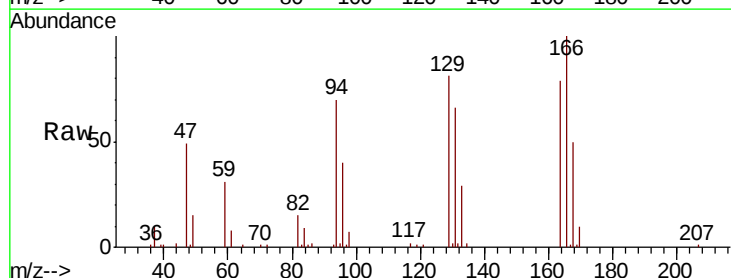
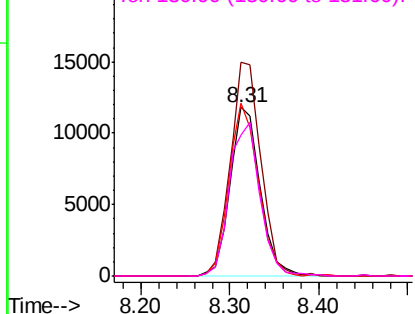
Abundance

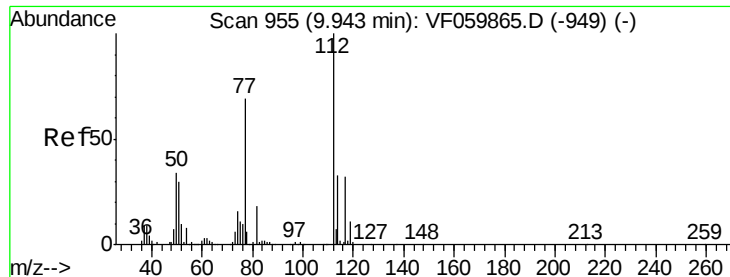
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





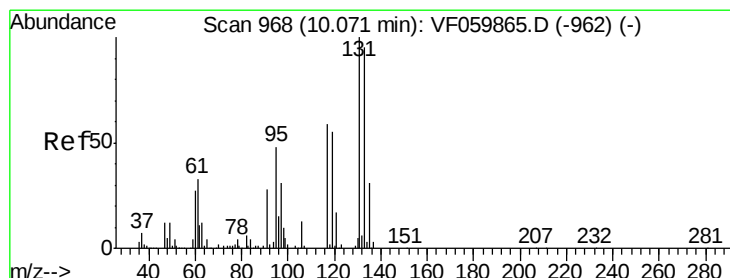
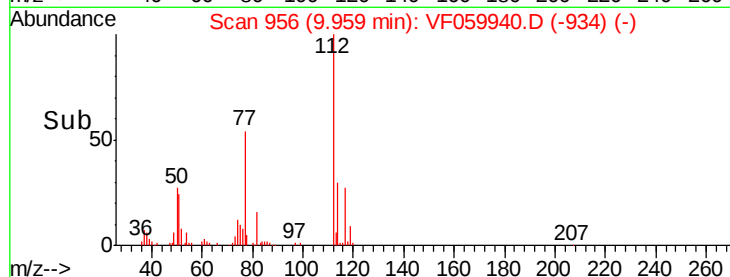
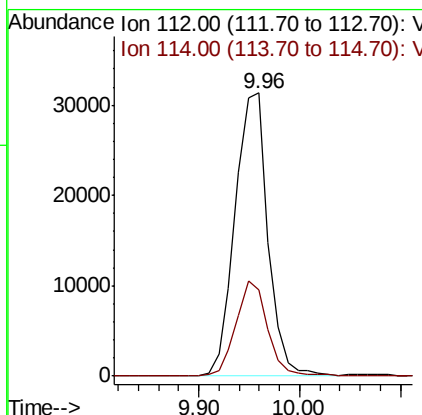
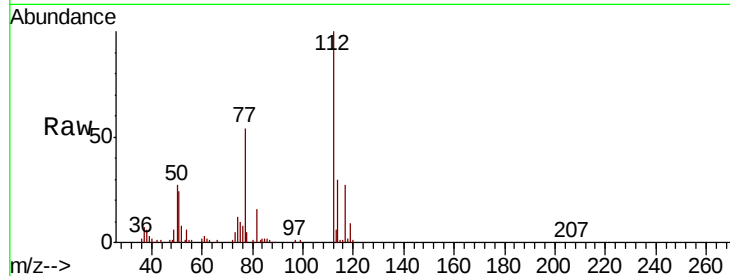
#65
Chlorobenzene
Concen: 23.00 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.02 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.4	26.4	39.6

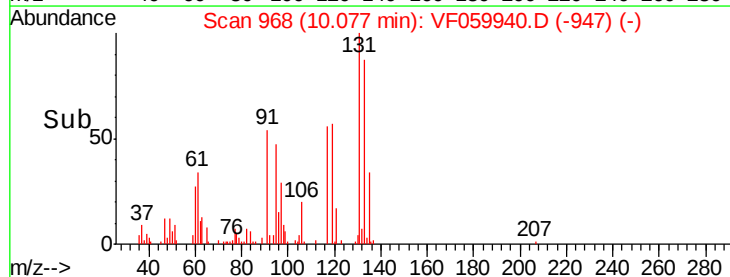
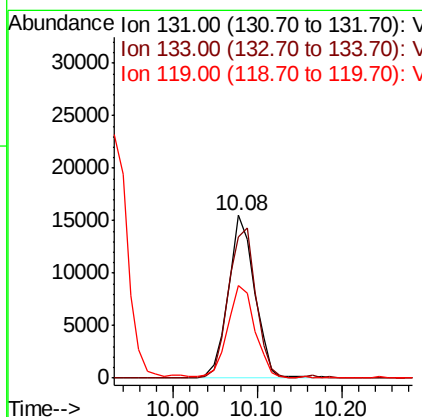
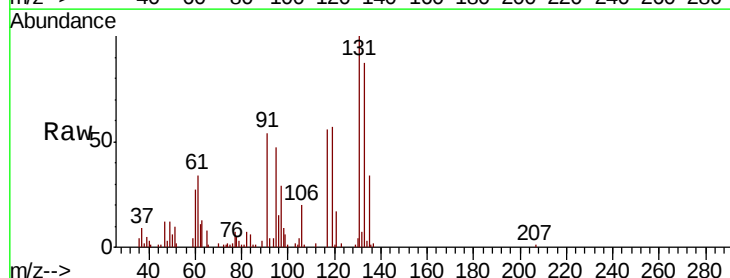
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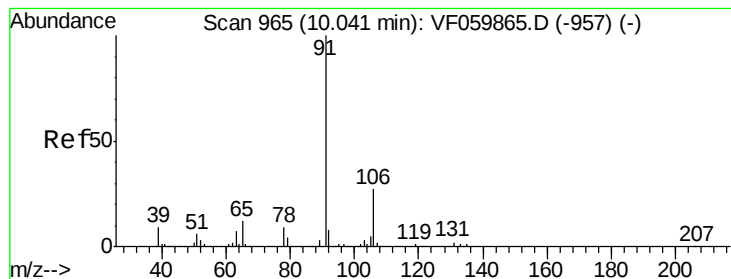
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.01 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	86.9	47.4	142.2
119	57.0	27.7	83.1





#67

Ethyl Benzene

Concen: 23.83 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tot Ion: 91 Resp: 129008

Ion Ratio Lower Upper

91 100

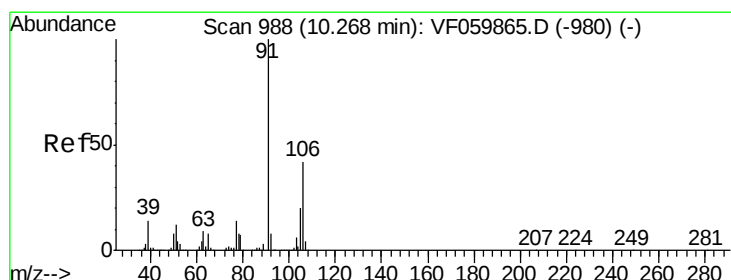
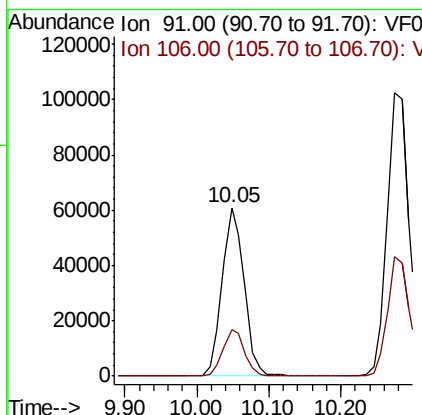
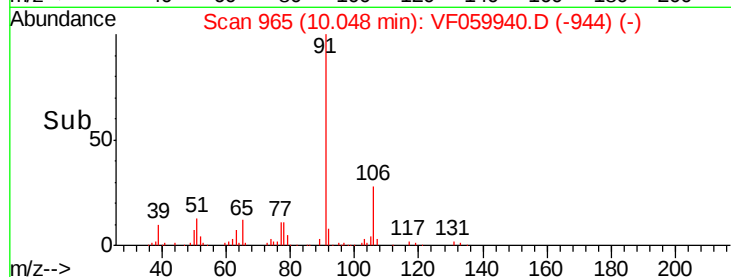
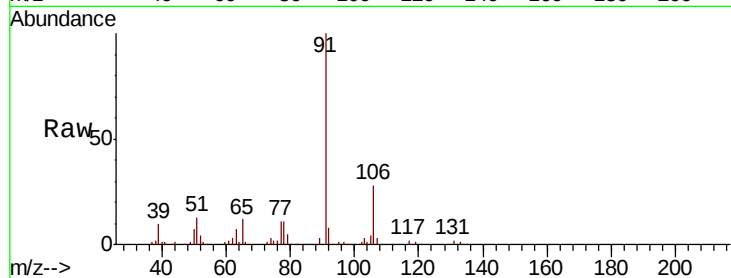
106 28.0 21.5 32.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 49.27 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059940.D

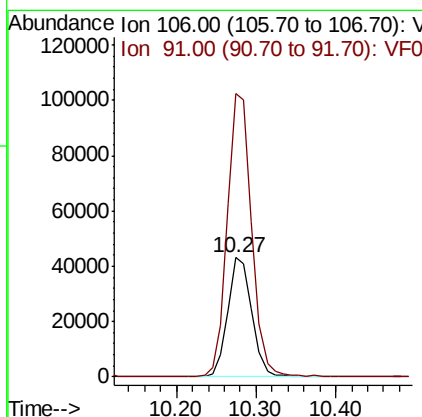
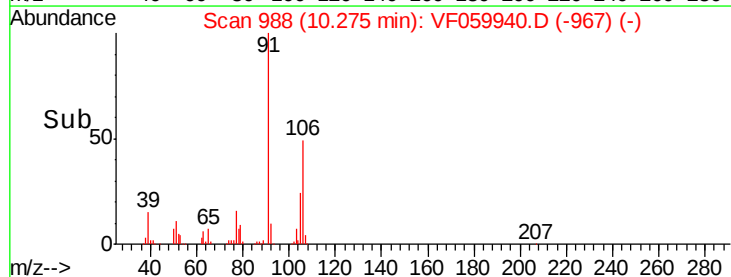
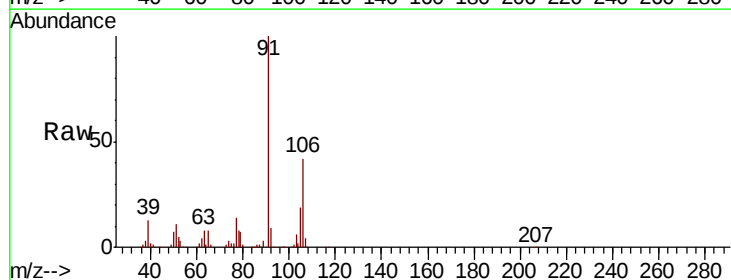
Acq: 10 Aug 2018 13:10

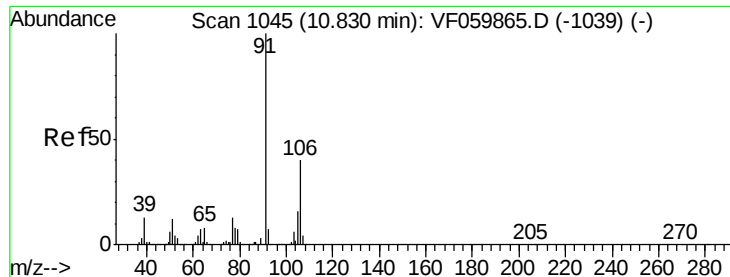
Tgt Ion: 106 Resp: 92219

Ion Ratio Lower Upper

106 100

91 237.5 192.1 288.1





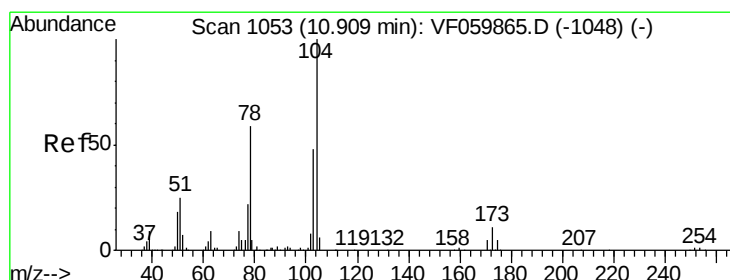
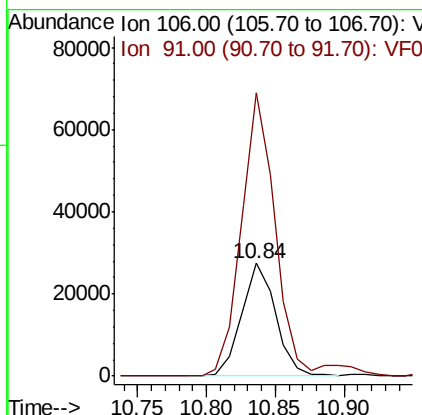
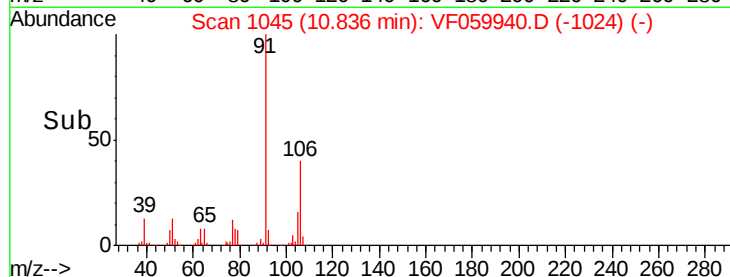
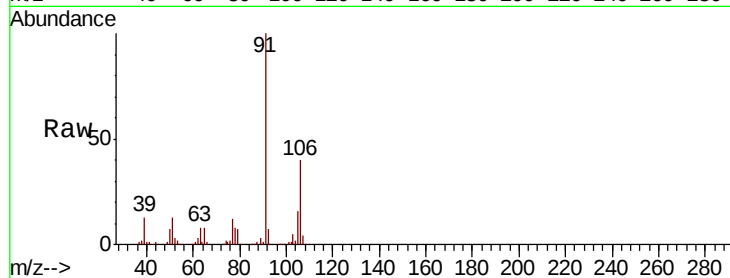
#69
o-Xylene
Concen: 24.15 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBSD01

Tot Ion:106 Resp: 47888
Ion Ratio Lower Upper
106 100
91 250.5 125.4 376.2

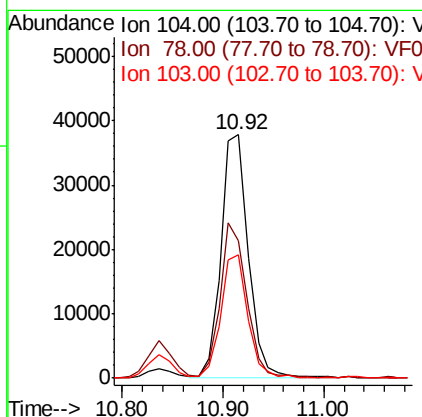
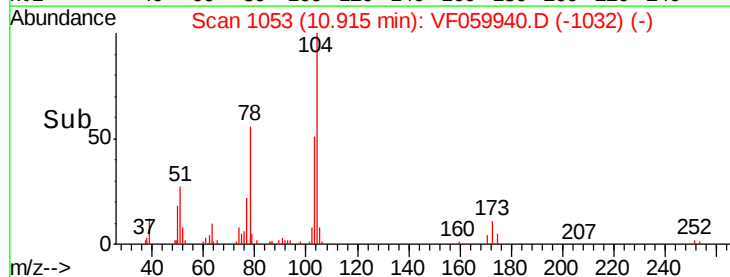
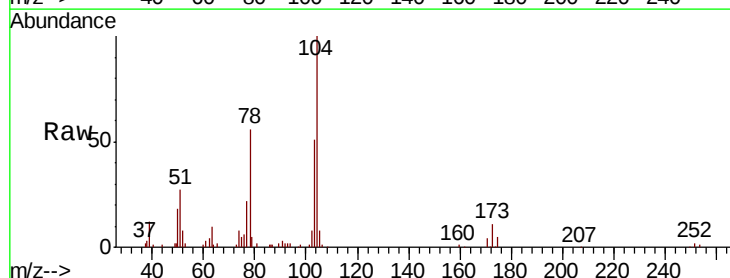
Manual Integrations
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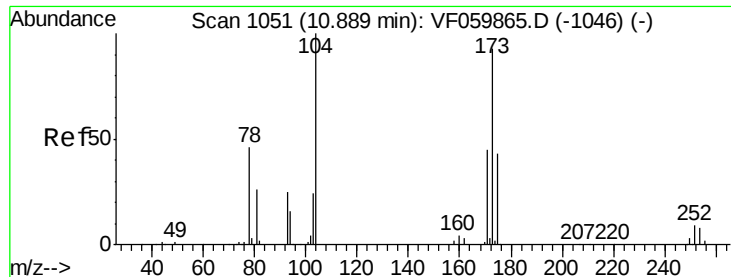
apatel
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#70
Styrene
Concen: 24.27 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion:104 Resp: 71813
Ion Ratio Lower Upper
104 100
78 56.4 47.3 70.9
103 50.7 39.0 58.4





#71

Bromoform

Concen: 21.31 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tot Ion:173 Resp: 20188

Ion Ratio Lower Upper

173 100

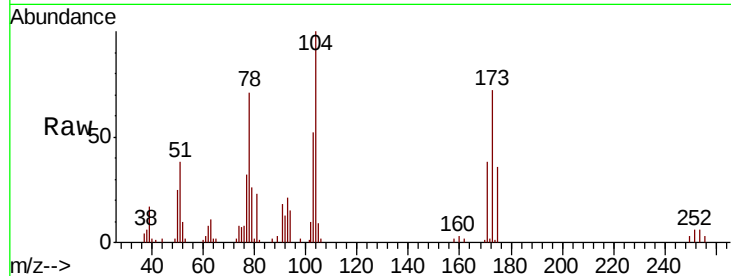
175 50.0 23.4 70.2

254 0.0 0.0 0.0

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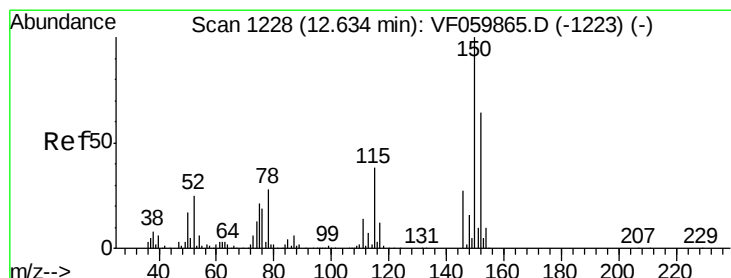
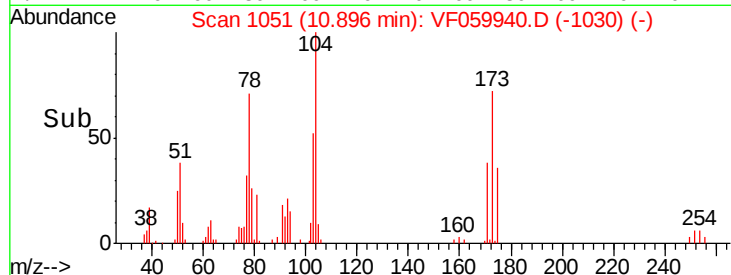
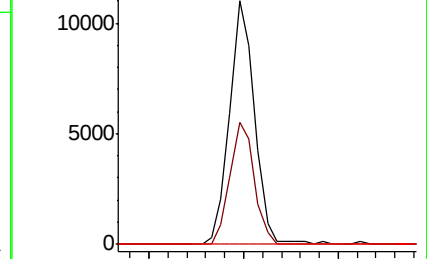
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

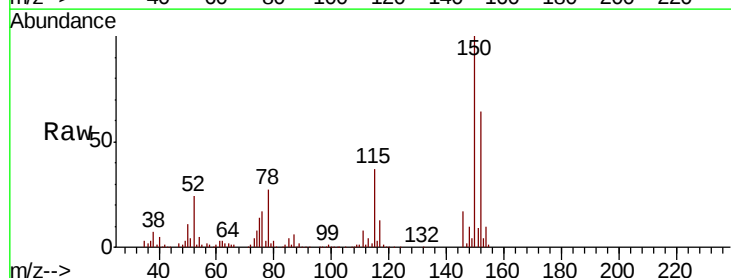
Tgt Ion:152 Resp: 105527

Ion Ratio Lower Upper

152 100

115 57.3 29.8 89.4

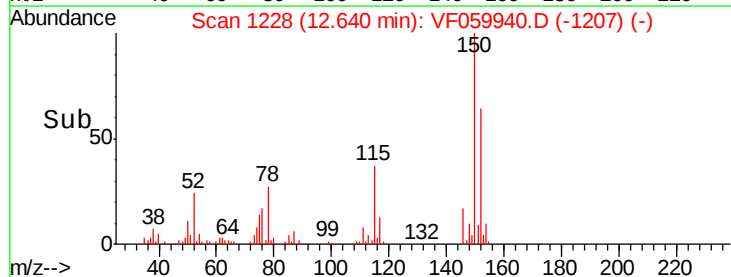
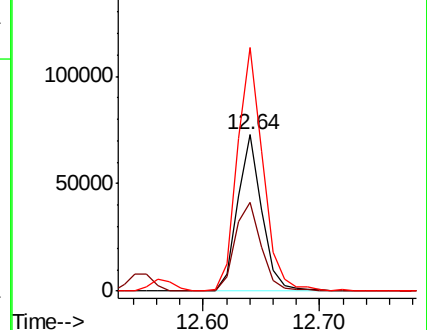
150 156.1 0.0 315.6

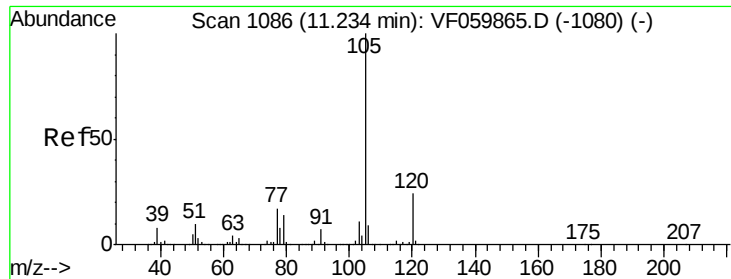


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.38 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tot Ion: 105 Resp: 153654

Ion Ratio Lower Upper

105 100

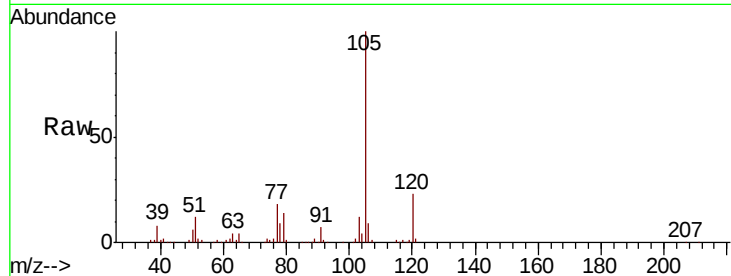
120 23.0 12.1 36.3

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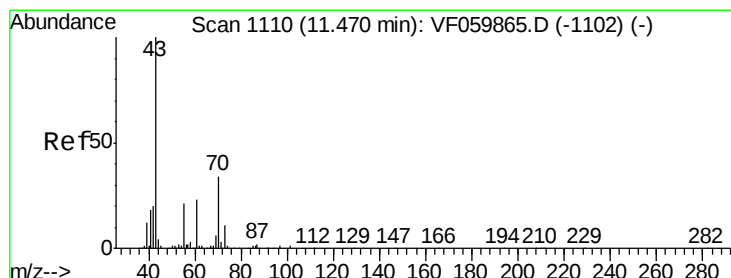
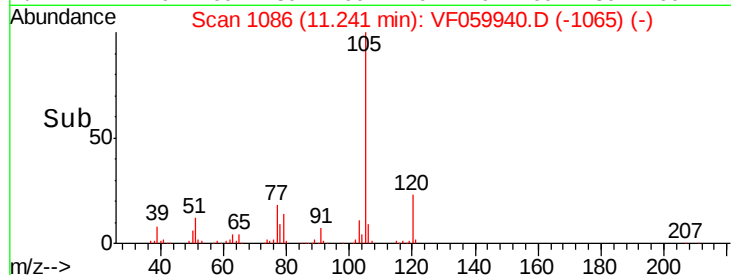
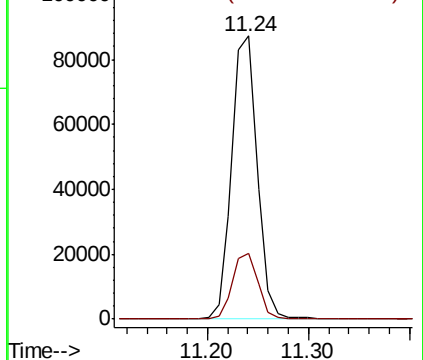
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.74 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion: 43 Resp: 34194

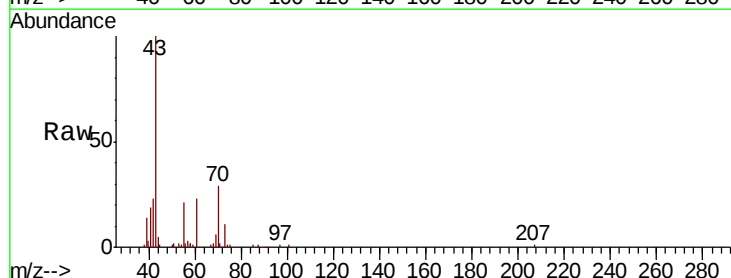
Ion Ratio Lower Upper

43 100

70 28.5 27.5 41.3

55 21.0 16.6 25.0

61 23.0 18.2 27.4

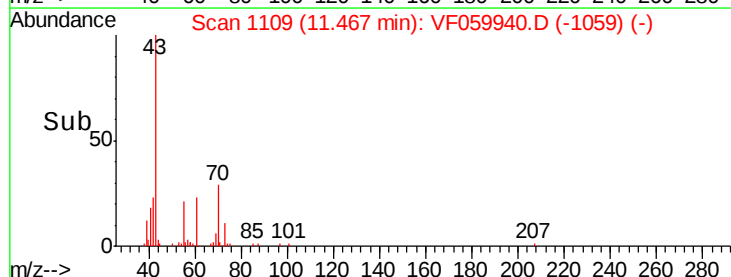
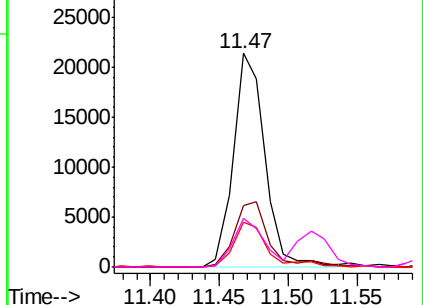


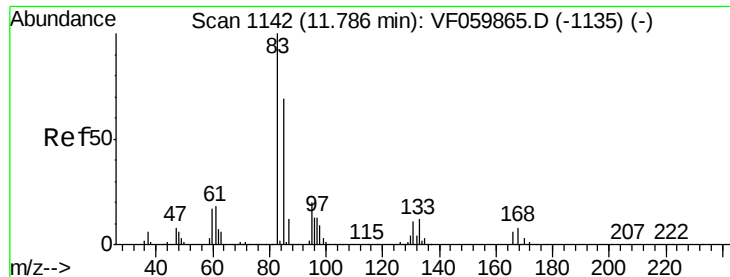
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.32 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

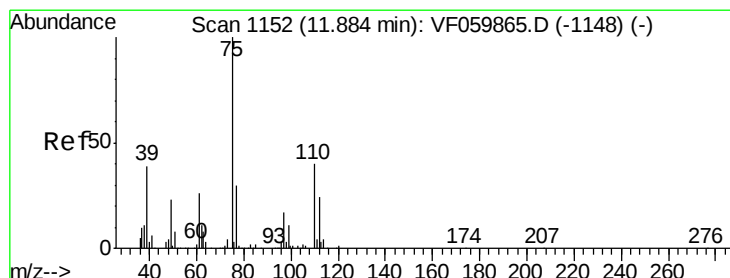
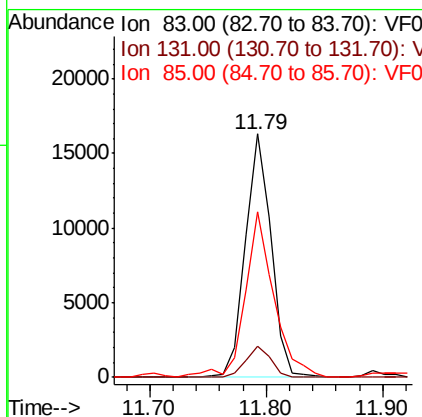
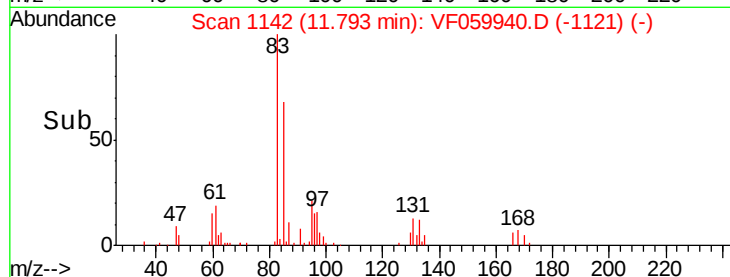
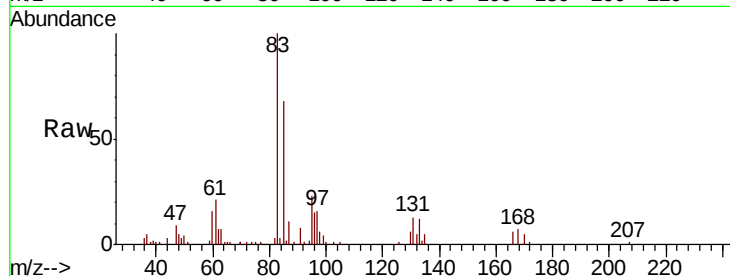
ClientSampleId :

VF0810SBSD01

Tot Ion:	83	Resp:	25078
Ion Ratio	Lower	Upper	
83	100		
131	12.8	5.3	15.9
85	67.8	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 20.52 ug/l

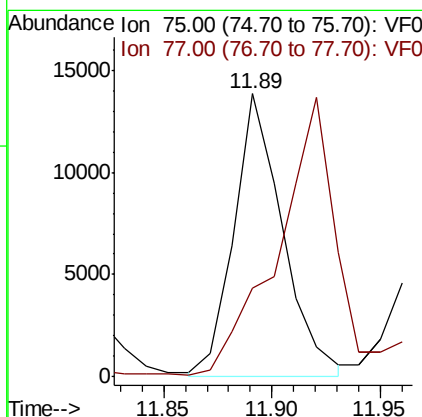
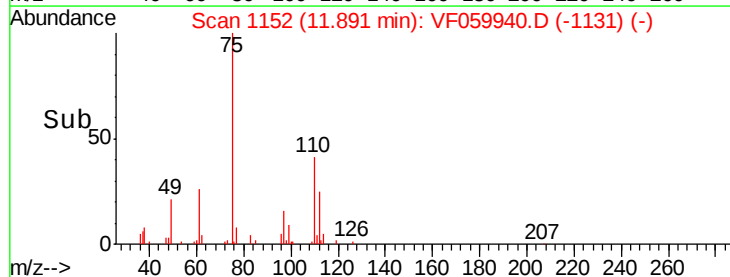
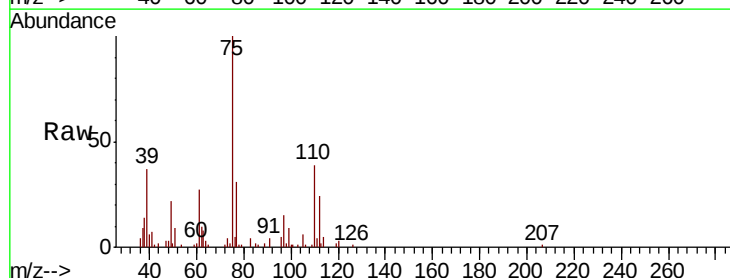
RT: 11.89 min Scan# 1152

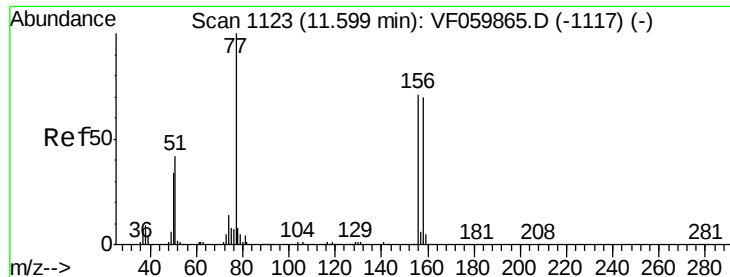
Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion:	75	Resp:	21752
Ion Ratio	Lower	Upper	
75	100		
77	31.5	15.4	46.2





#77

Bromobenzene

Concen: 21.83 ug/l

RT: 11.61 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBSD01

Tot Ion:156 Resp: 39021

Ion Ratio Lower Upper

156 100

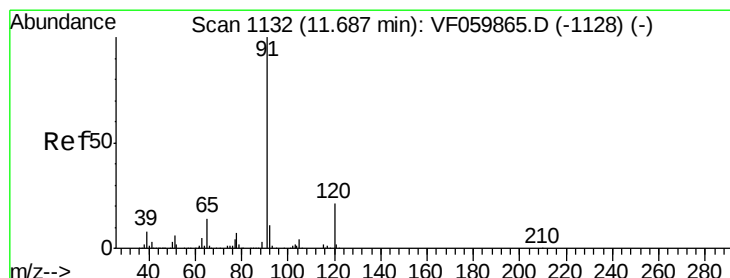
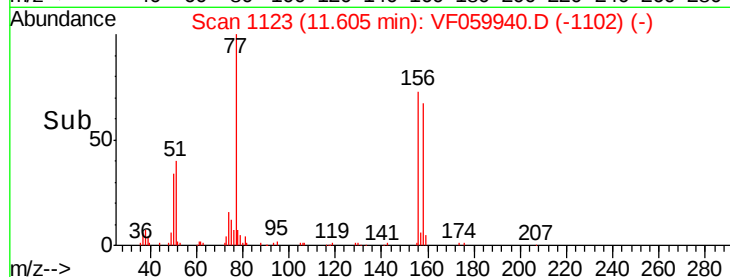
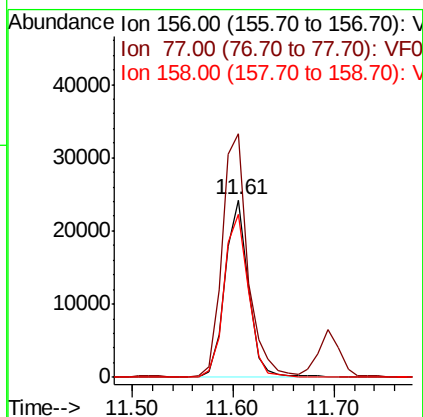
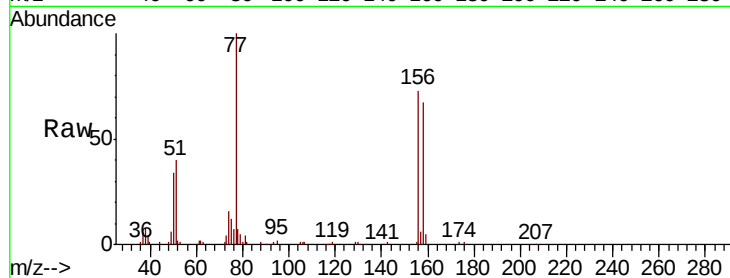
77 137.1 70.2 210.6

158 91.6 49.2 147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 24.28 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059940.D

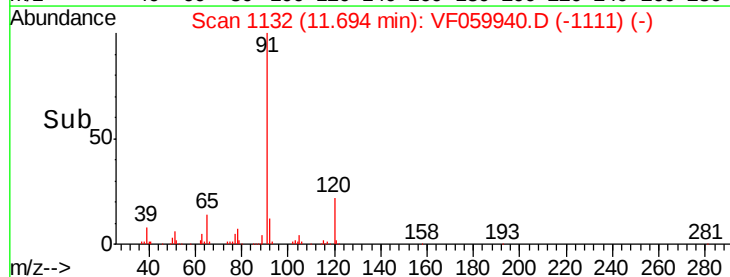
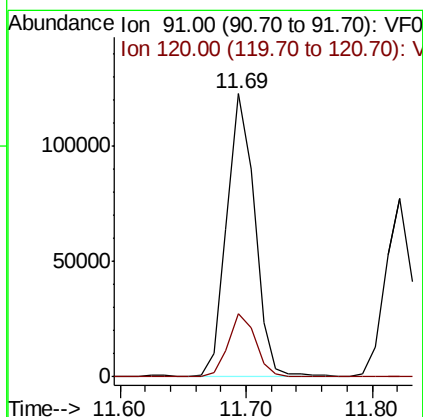
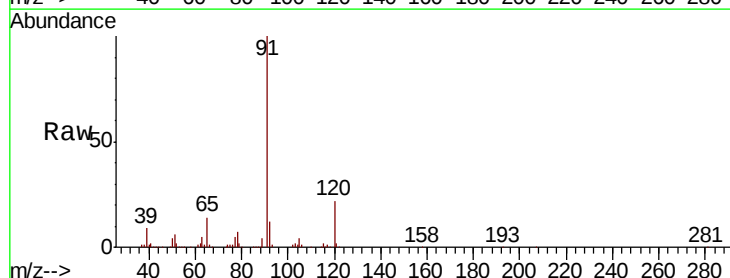
Acq: 10 Aug 2018 13:10

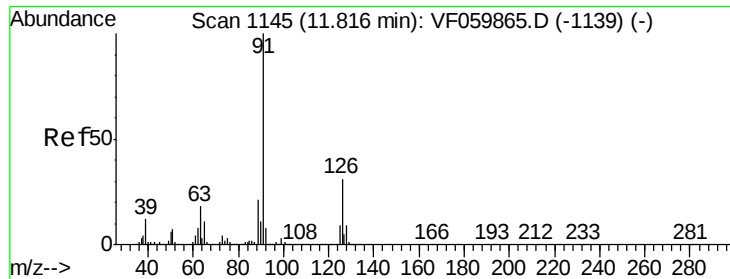
Tgt Ion: 91 Resp: 188485

Ion Ratio Lower Upper

91 100

120 22.4 10.4 31.2





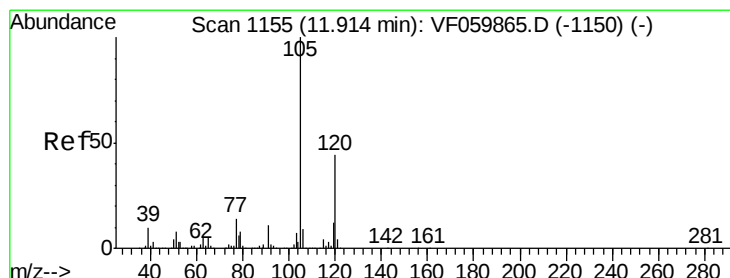
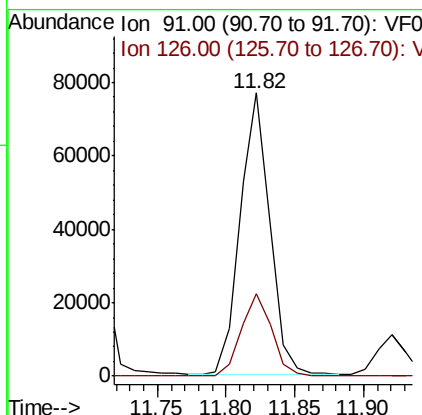
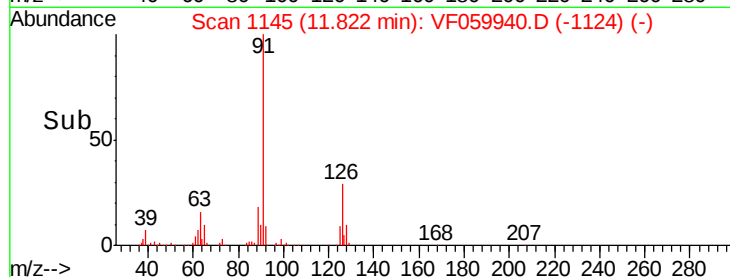
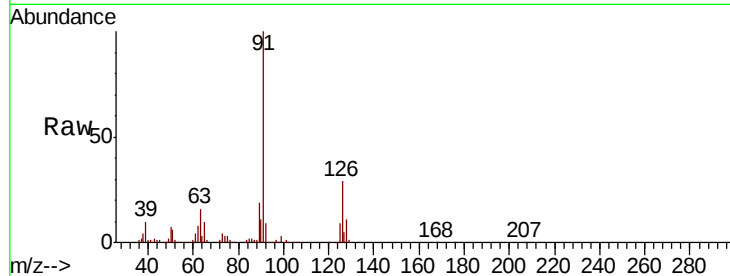
#79
 2-Chlorotoluene
 Concen: 23.50 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.2	15.6	46.7

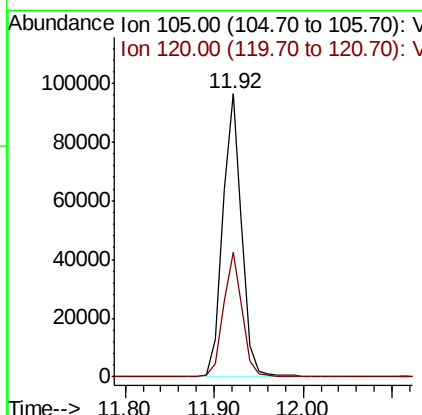
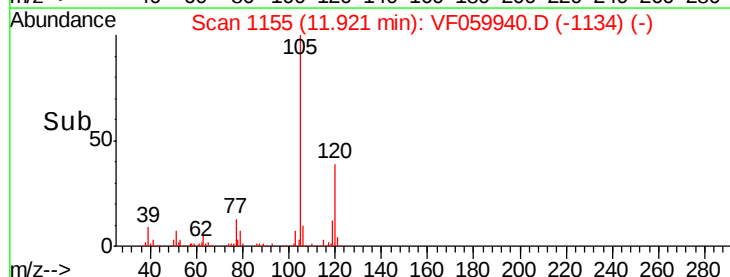
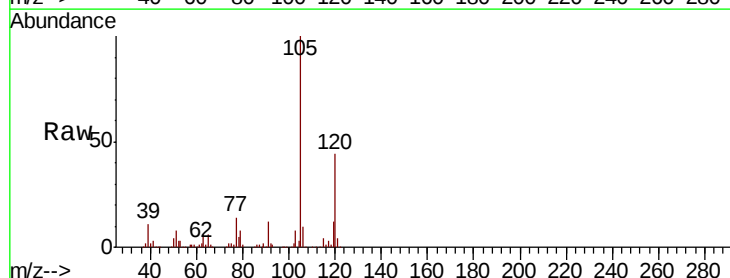
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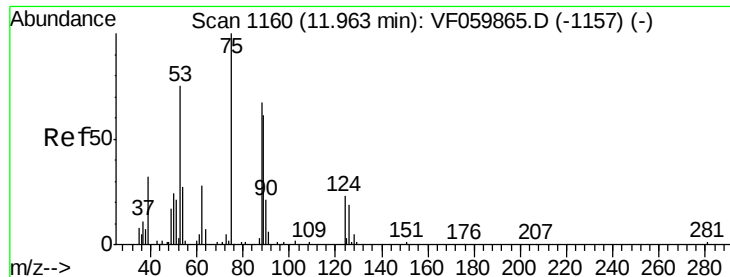
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.67 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.68 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

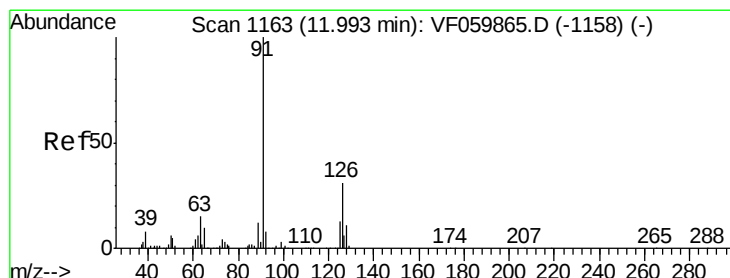
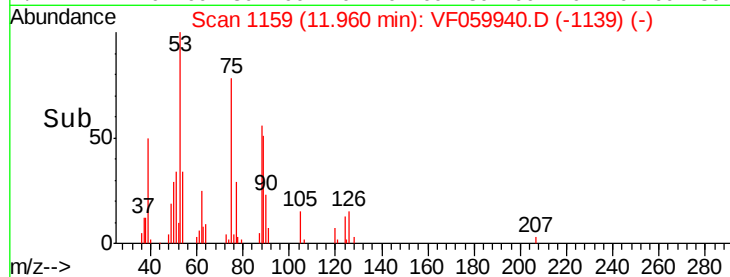
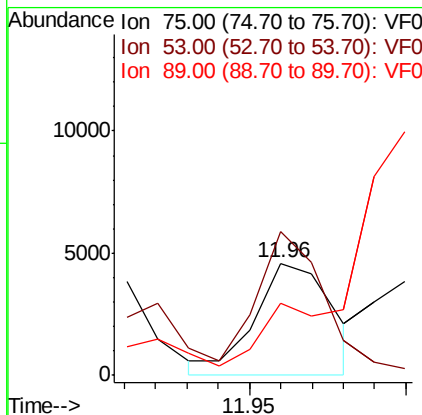
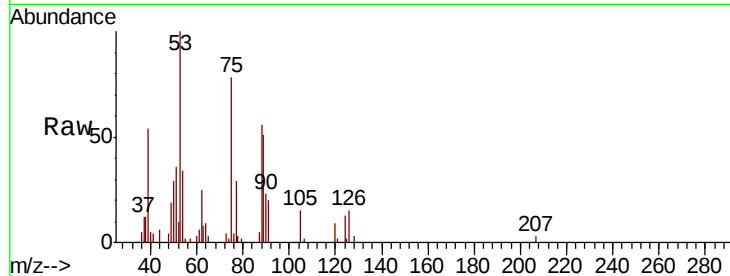
ClientSampleId :

VF0810SBSD01

Tot Ion:	75	Resp:	7874
Ion Ratio	Lower	Upper	
75	100		
53	128.1	65.9	98.9#
89	64.8	50.6	76.0

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#82

4-Chlorotoluene

Concen: 22.70 ug/l

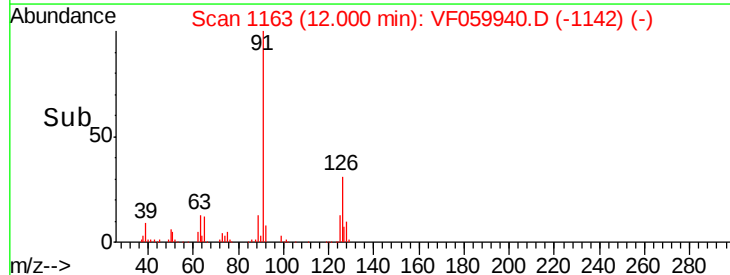
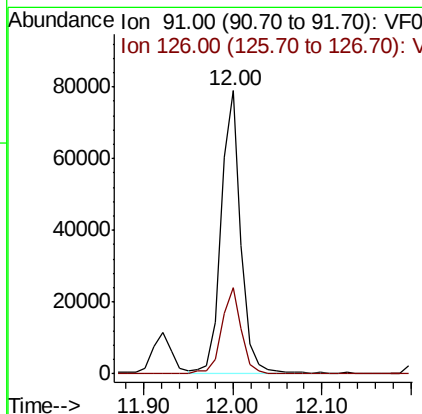
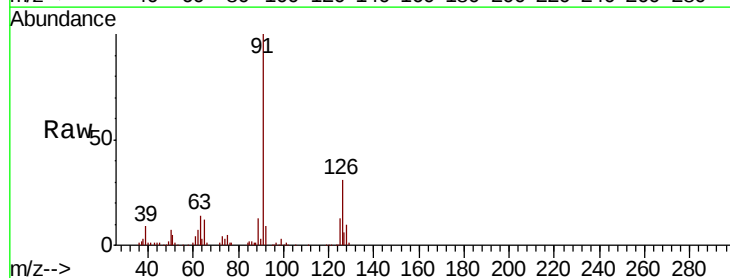
RT: 12.00 min Scan# 1163

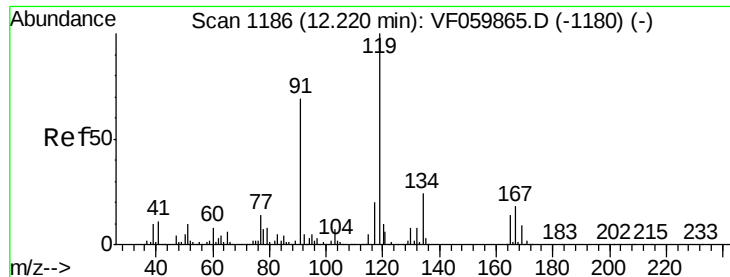
Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion:	91	Resp:	121048
Ion Ratio	Lower	Upper	
91	100		
126	30.7	15.7	47.0





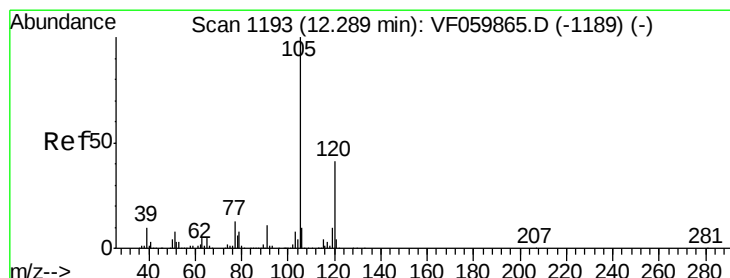
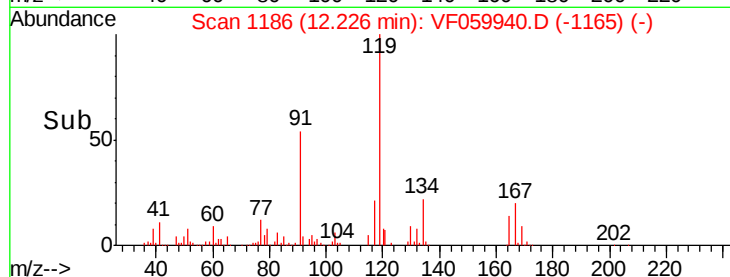
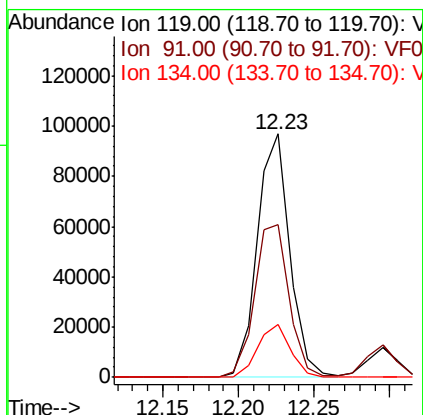
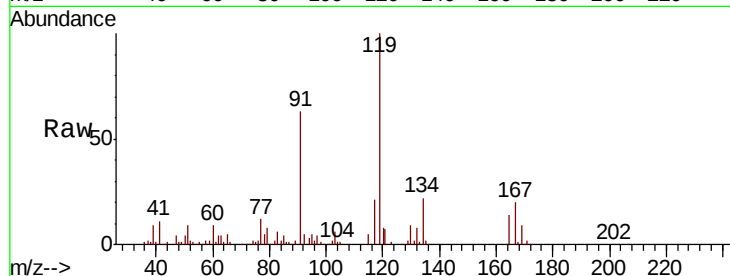
#83
 tert-Butylbenzene
 Concen: 24.59 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBSD01

Tot Ion:	119	Resp:	146110
Ion Ratio	Lower	Upper	
119	100		
91	62.9	34.4	103.2
134	21.9	12.1	36.3

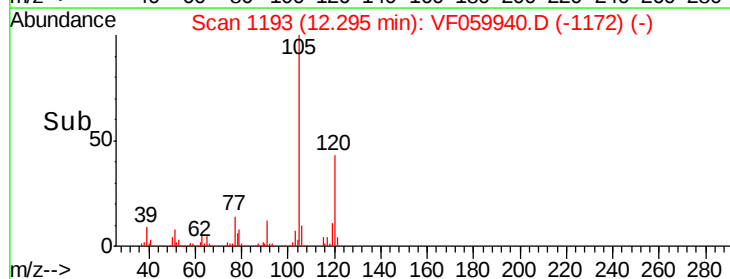
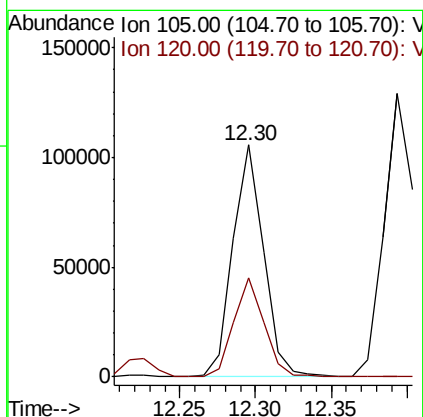
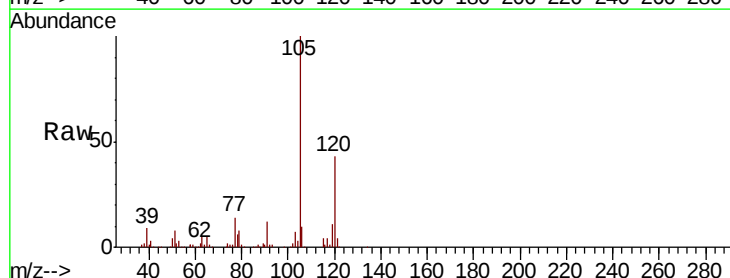
Manual Integrations
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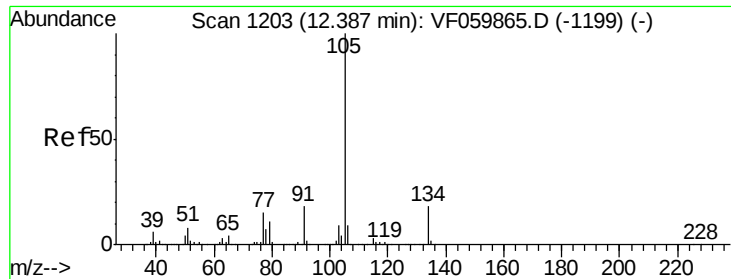
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.86 ug/l
 RT: 12.30 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Tgt Ion:	105	Resp:	149761
Ion Ratio	Lower	Upper	
105	100		
120	43.0	20.8	62.5





#85

sec-Butylbenzene

Concen: 23.47 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

ClientSampleId :

VF0810SBS01

Tot Ion:105 Resp: 185303

Ion Ratio Lower Upper

105 100

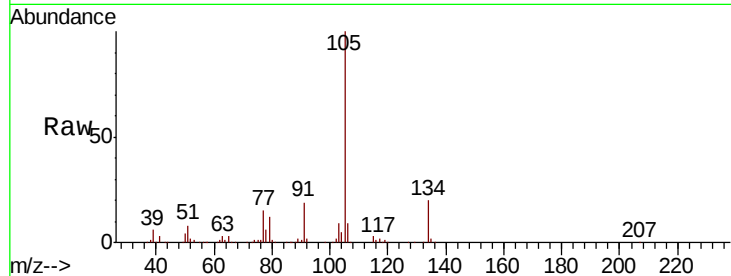
134 19.8 9.1 27.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

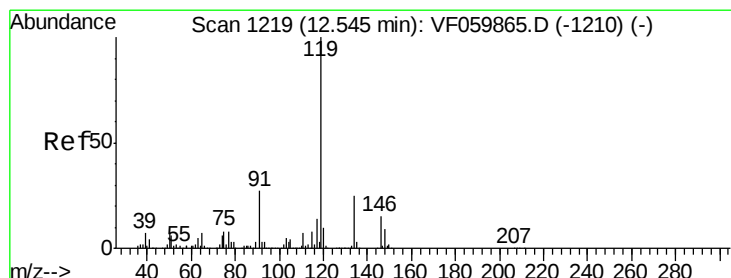
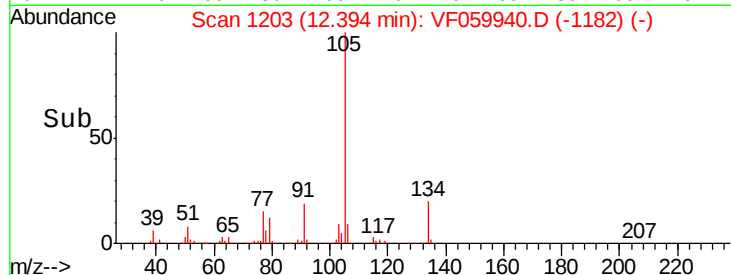
100000

50000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 24.77 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

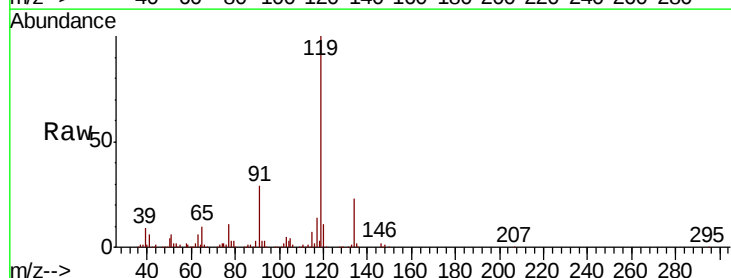
Tgt Ion:119 Resp: 164345

Ion Ratio Lower Upper

119 100

134 22.7 12.4 37.0

91 29.4 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.54

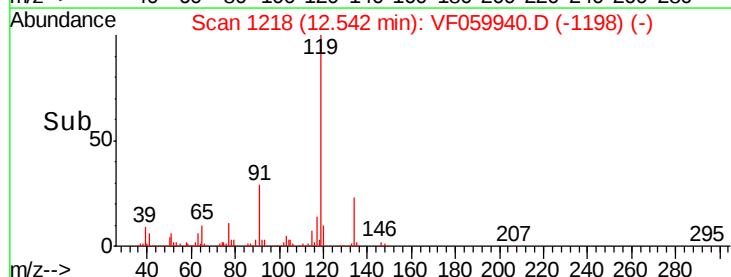
100000

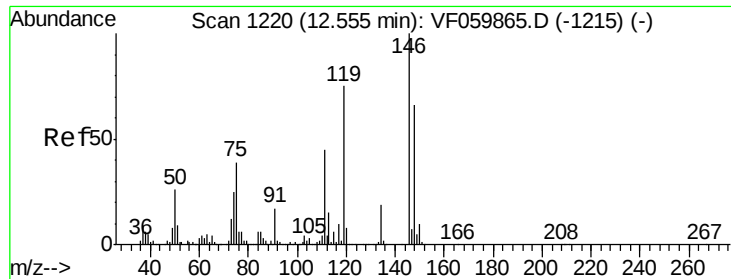
50000

0

12.50 12.60

Time-->





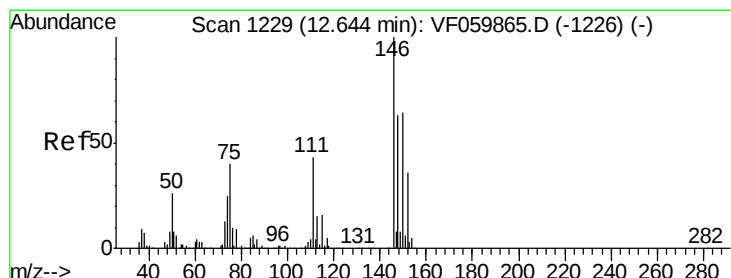
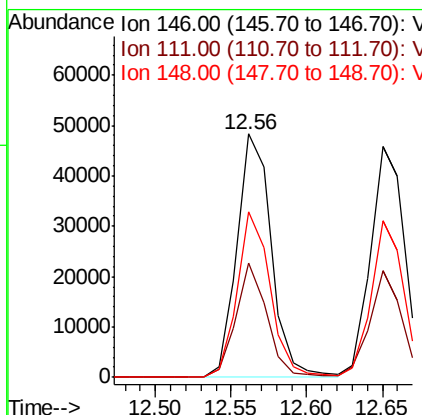
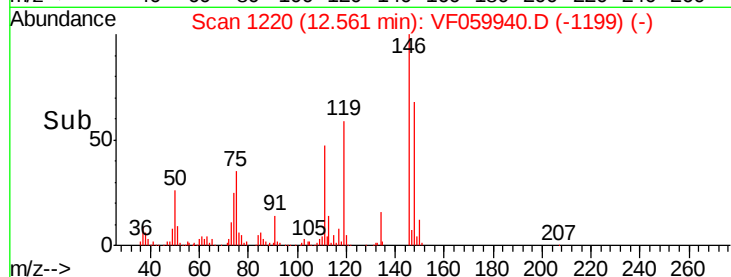
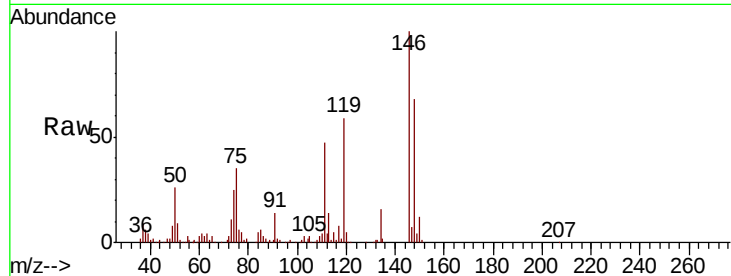
#87
 1,3-Dichlorobenzene
 Concen: 22.58 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.0	22.4	67.0
148	68.1	33.1	99.3

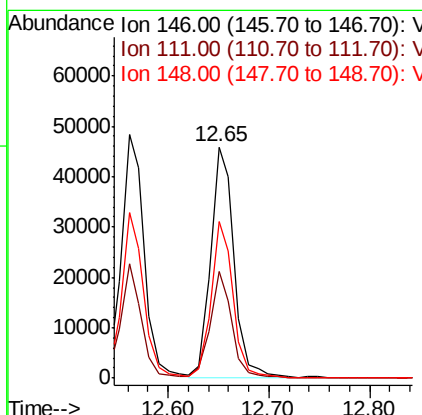
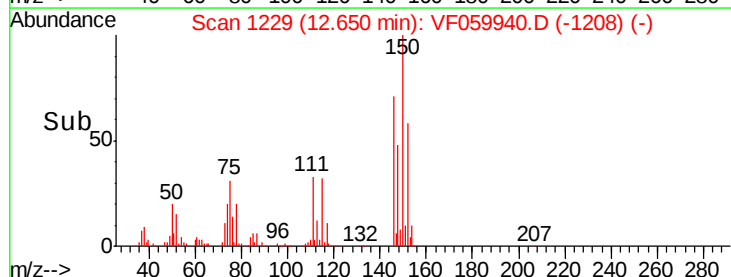
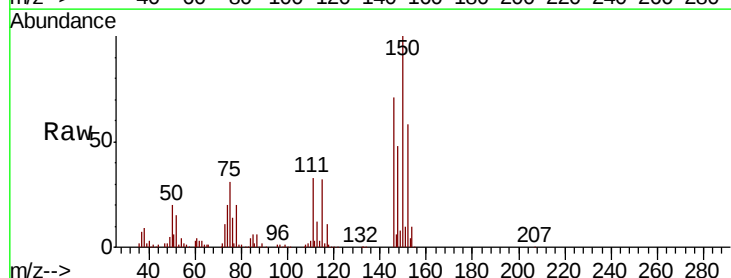
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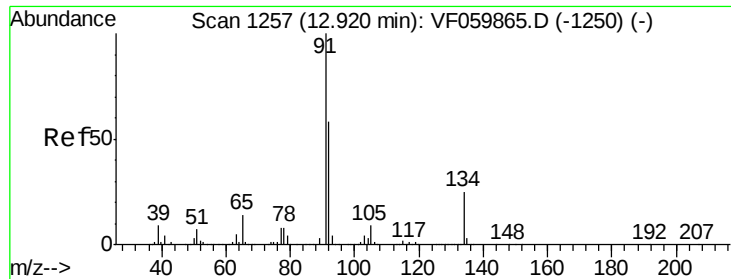
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#88
 1,4-Dichlorobenzene
 Concen: 22.52 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	21.4	64.2
148	67.7	31.6	94.7





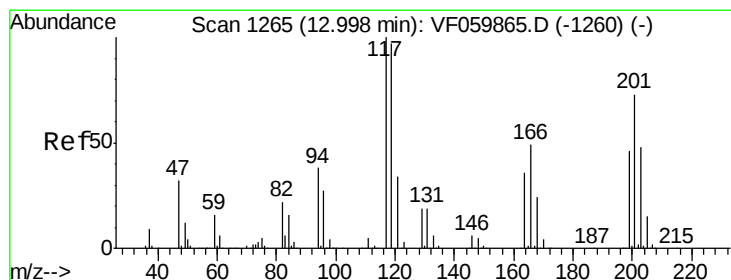
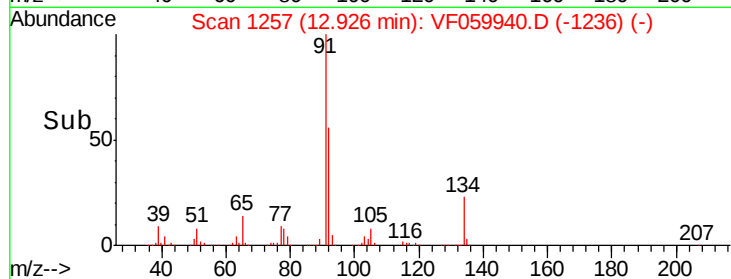
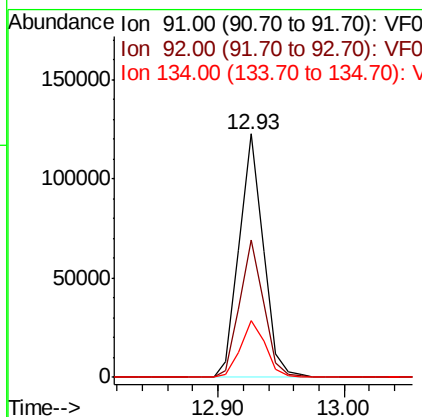
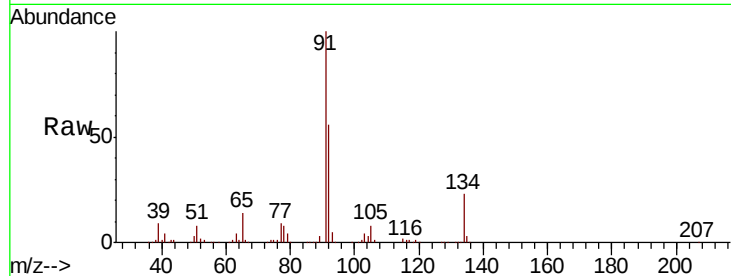
#89
n-Butylbenzene
Concen: 25.73 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Instrument :
MSVOA_F
ClientSampleId :
VF0810SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.4	28.8	86.5
134	23.2	12.6	37.6

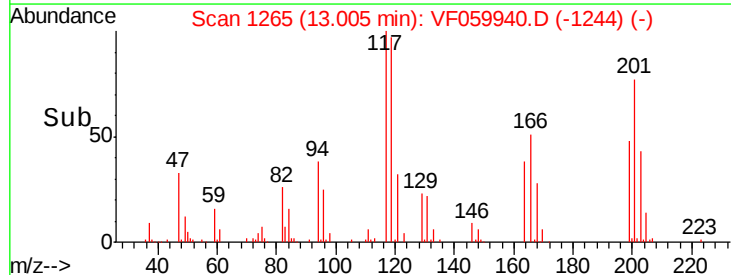
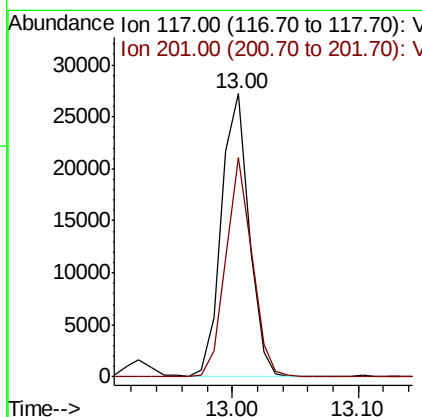
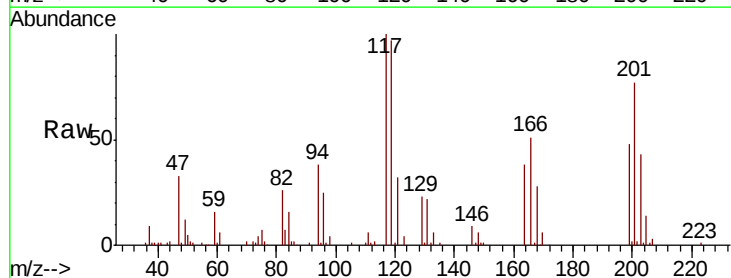
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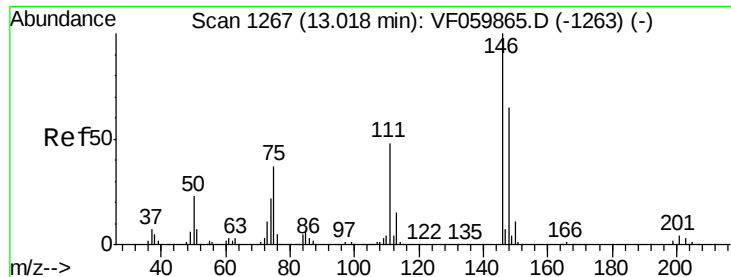
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#90
Hexachloroethane
Concen: 22.59 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059940.D
Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	36.6	109.8





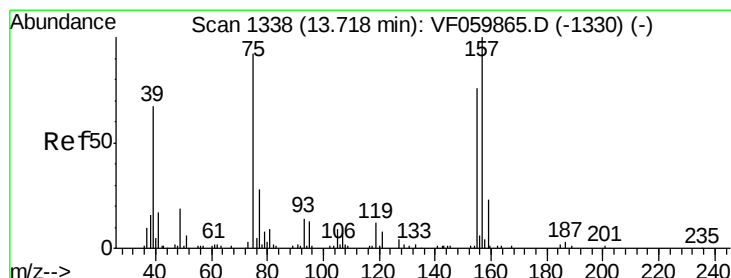
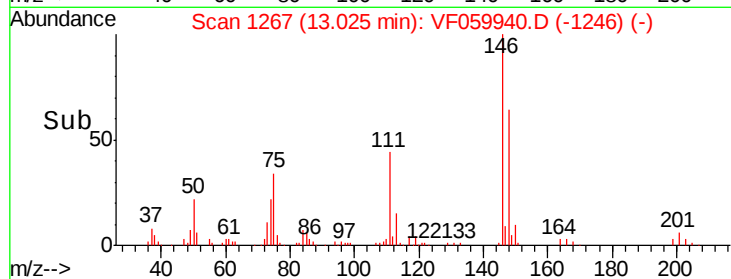
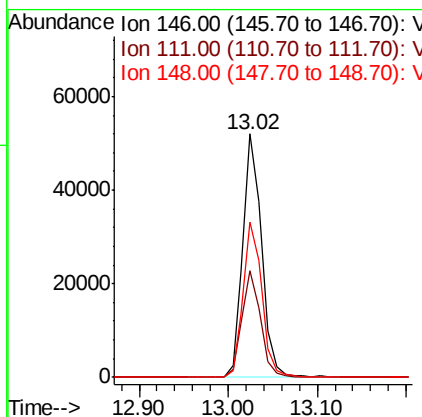
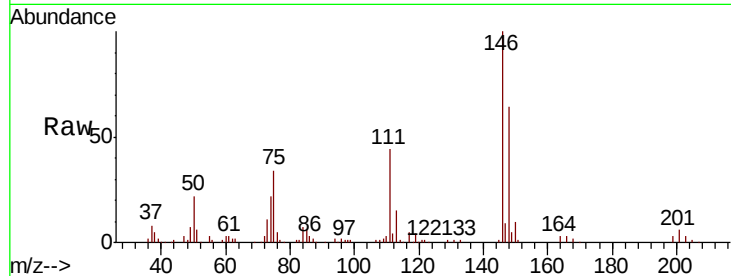
#91
 1,2-Dichlorobenzene
 Concen: 23.35 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	24.1	72.2
148	63.7	32.8	98.3

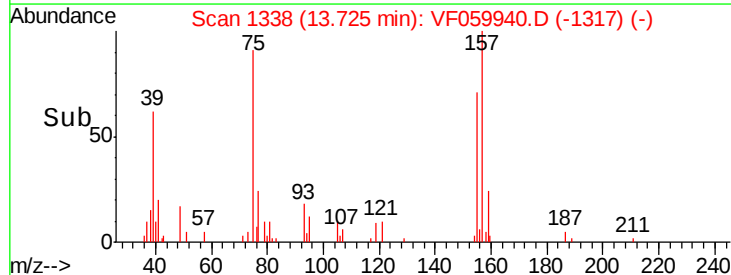
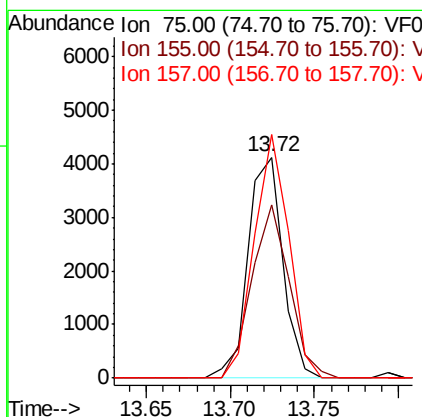
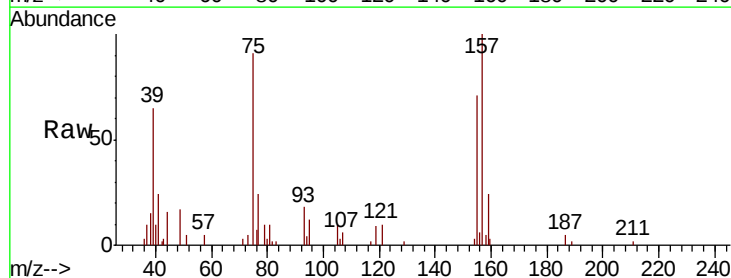
Manual Integrations
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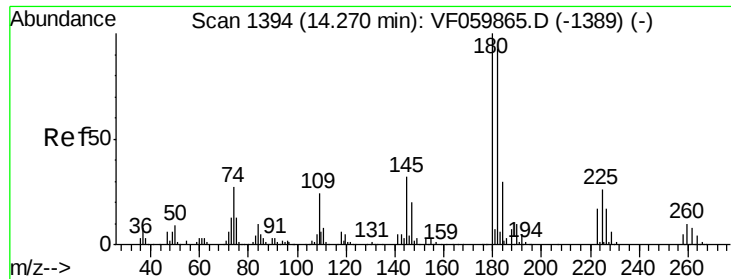
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.94 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	41.2	123.6
157	110.2	54.5	163.6





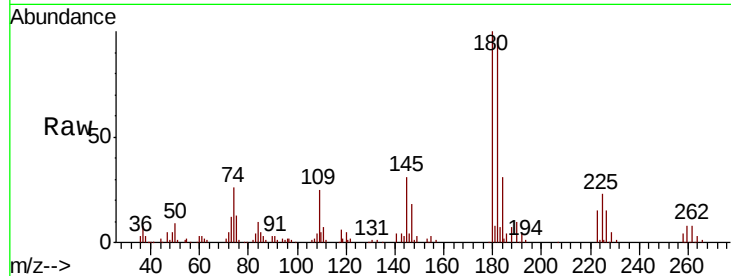
#93
 1,2,4-Trichlorobenzene
 Concen: 24.66 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61011		
182	96.8	46.4	139.2	
145	30.6	15.9	47.7	

Manual Integrations
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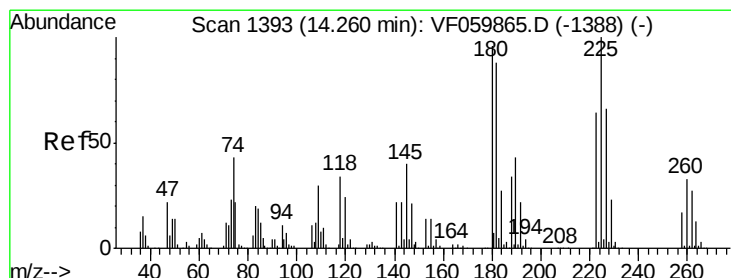
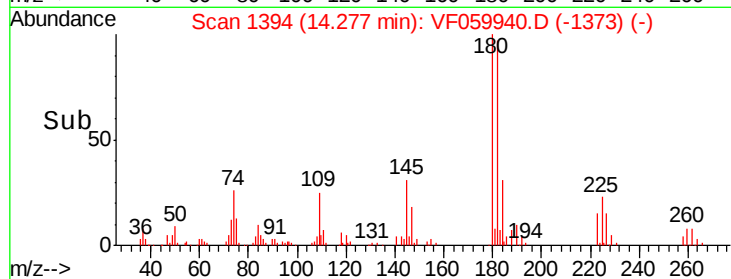
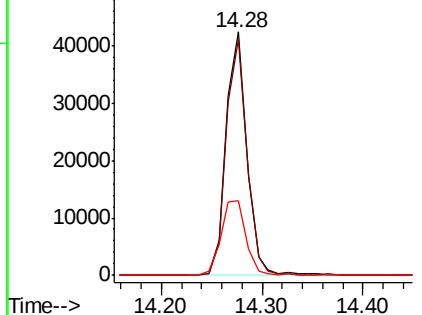


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 23.83 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059940.D
 Acq: 10 Aug 2018 13:10

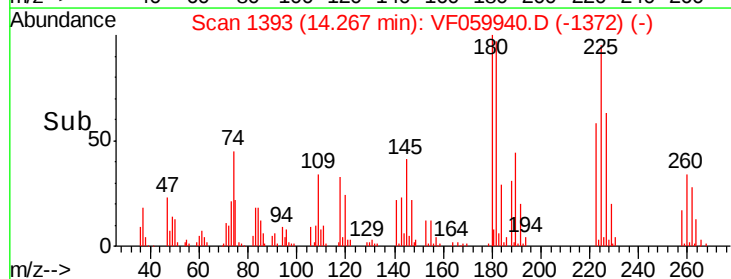
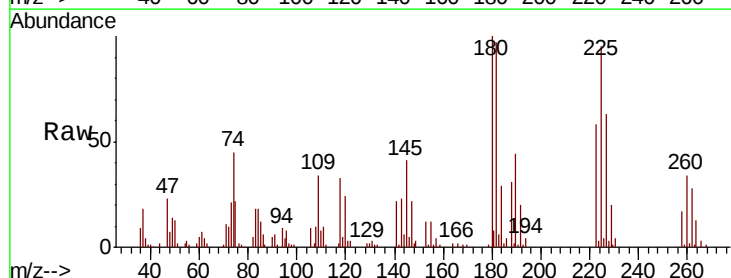
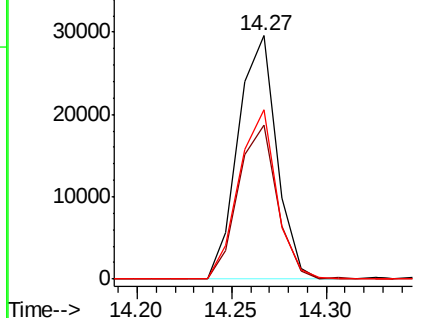
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41661		
223	63.5	31.9	95.9	
227	69.7	32.8	98.4	

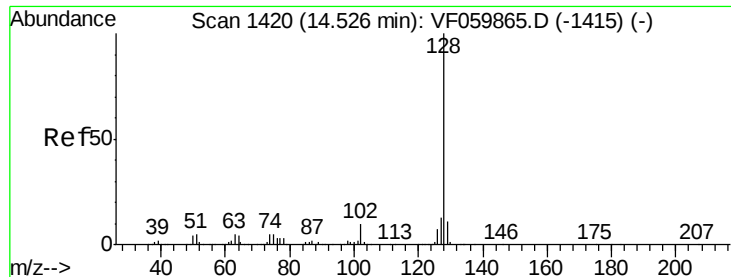
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 21.63 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Instrument :

MSVOA_F

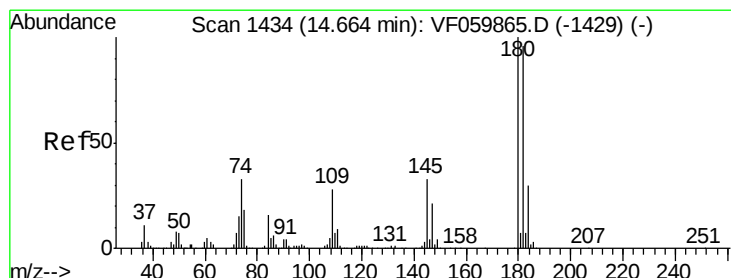
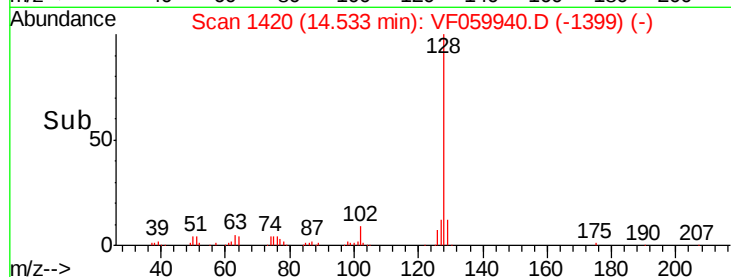
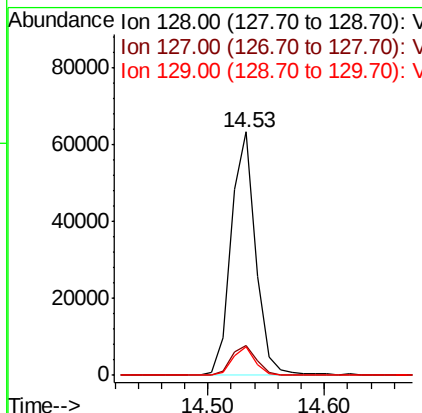
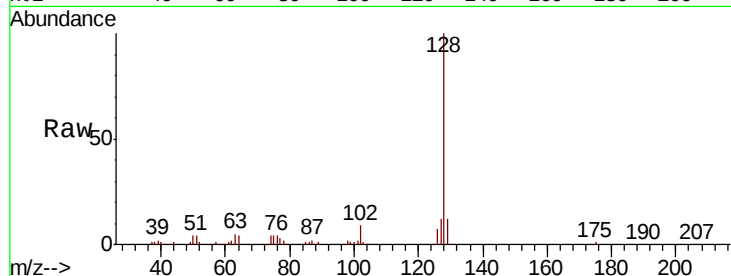
ClientSampleId :

VF0810SBSD01

Tot Ion:	128	Resp:	92654
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.4	15.6
129	11.7	9.0	13.6

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#96

1,2,3-Trichlorobenzene

Concen: 23.19 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.02 min

Lab File: VF059940.D

Acq: 10 Aug 2018 13:10

Tgt Ion:	180	Resp:	56661
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.1	144.3
145	28.8	16.6	49.8

