

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\
 Data File : VF059282.D
 Acq On : 22 Jun 2018 19:09
 Operator : VA/AP
 Sample : VF0622SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

Manual Integrations
 APPROVED

anatel

6/24/2018 11:35:12 AM

Quant Time: Jun 24 11:31:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	237500	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	373763	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	367292	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	235993	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	174236	51.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	4.28	113	153808	48.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	7.70	98	384791	48.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.50	95	209061	47.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	57316	20.73	ug/l	96
3) Chloromethane	1.08	50	37004	21.24	ug/l	99
4) Vinyl Chloride	1.14	62	36503	21.14	ug/l	90
5) Bromomethane	1.33	94	24143	19.50	ug/l	90
6) Chloroethane	1.42	64	18697	22.19	ug/l	97
7) Trichlorofluoromethane	1.48	101	73259m	21.66	ug/l	
8) Diethyl Ether	1.69	74	16899	22.20	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43087	22.83	ug/l	96
10) Methyl Iodide	1.96	142	76549	22.19	ug/l #	89
11) Tert butyl alcohol	2.69	59	21186	106.65	ug/l	97
12) 1,1-Dichloroethene	1.85	96	34730	20.63	ug/l	94
13) Acrolein	2.08	56	18047	111.93	ug/l	98
14) Allyl chloride	2.18	41	61568	19.82	ug/l	93
15) Acrylonitrile	3.06	53	39465	117.92	ug/l	94
16) Acetone	2.33	43	86375	107.20	ug/l	99
17) Carbon Disulfide	1.86	76	80475	19.68	ug/l	98
18) Methyl Acetate	2.44	43	30682m	20.20	ug/l	
19) Methyl tert-butyl Ether	2.53	73	125349	22.20	ug/l	96
20) Methylene Chloride	2.27	84	37444	21.92	ug/l	88
21) trans-1,2-Dichloroethene	2.40	96	35907	20.43	ug/l	92
22) Diisopropyl ether	2.92	45	144792	22.46	ug/l	100
23) Vinyl Acetate	3.32	43	473846	114.92	ug/l	99
24) 1,1-Dichloroethane	2.99	63	90573	21.67	ug/l	98
25) 2-Butanone	4.49	43	119677	111.35	ug/l	94
26) 2,2-Dichloropropane	3.74	77	69280	23.79	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	57343	21.48	ug/l	99
28) Bromochloromethane	3.87	49	41561	24.18	ug/l	96
29) Tetrahydrofuran	4.25	42	48403	100.30	ug/l	99
30) Chloroform	4.03	83	130201	21.52	ug/l	97
31) Cyclohexane	3.85	56	63149	21.95	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	96714	21.17	ug/l	97
36) 1,1-Dichloropropene	4.44	75	81865	20.84	ug/l	98
37) Ethyl Acetate	4.28	43	55037	21.93	ug/l	90
38) Carbon Tetrachloride	4.16	117	99012m	20.52	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	72733	20.69	ug/l	93
40) Benzene	4.80	78	179406	21.53	ug/l	97
41) Methacrylonitrile	4.91	41	23640	19.72	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	104101	21.68	ug/l	99
43) Isopropyl Acetate	7.10	43	66356	21.58	ug/l #	94
44) Trichloroethene	5.67	130	62687	21.70	ug/l	92
45) 1,2-Dichloropropane	6.39	63	52750	21.70	ug/l	98
46) Dibromomethane	6.24	93	41512	20.23	ug/l	94
47) Bromodichloromethane	6.53	83	105692	21.51	ug/l	94
48) Methyl methacrylate	6.86	41	40567	20.84	ug/l	90
49) 1,4-Dioxane	6.86	88	4266	377.81	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	234712	107.01	ug/l	98
52) Toluene	7.76	92	131597	20.46	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	94235	20.43	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	104191	21.39	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	50606	20.38	ug/l	95
56) Ethyl methacrylate	8.75	69	61415	21.63	ug/l	96
57) 1,3-Dichloropropane	8.99	76	88611	21.58	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.76	63	22869	100.73	ug/l	100
59) 2-Hexanone	9.62	43	200976	115.58	ug/l	97
60) Dibromochloromethane	8.85	129	79597	21.79	ug/l	94
61) 1,2-Dibromoethane	9.13	107	61256	21.42	ug/l	90
64) Tetrachloroethene	8.29	164	62609	22.20	ug/l	91
65) Chlorobenzene	9.93	112	166485	21.30	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	72845	22.37	ug/l	98
67) Ethyl Benzene	10.02	91	279904	21.10	ug/l	94
68) m/p-Xylenes	10.26	106	210444	44.13	ug/l	97
69) o-Xylene	10.82	106	117613	22.33	ug/l	100
70) Styrene	10.89	104	175237	22.07	ug/l	98
71) Bromoform	10.88	173	46284	19.93	ug/l	96
73) Isopropylbenzene	11.21	105	354484	21.81	ug/l	95
74) N-amyl acetate	11.45	43	121311	22.85	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	79698	20.89	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	61818	22.13	ug/l	96
77) Bromobenzene	11.59	156	92950	21.16	ug/l	94
78) n-propylbenzene	11.68	91	419552	21.81	ug/l	97
79) 2-Chlorotoluene	11.81	91	247846	21.49	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	302759	22.03	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	37634	21.04	ug/l	87
82) 4-Chlorotoluene	11.98	91	268266	21.66	ug/l	99
83) tert-Butylbenzene	12.20	119	350144	25.17	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	318830	22.02	ug/l	99
85) sec-Butylbenzene	12.38	105	403229	21.72	ug/l	98
86) p-Isopropyltoluene	12.53	119	351195	22.94	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	173336	22.01	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	168967	21.73	ug/l	97
89) n-Butylbenzene	12.91	91	350061	22.46	ug/l	96
90) Hexachloroethane	12.99	117	84500	22.08	ug/l	87
91) 1,2-Dichlorobenzene	13.01	146	168265	21.54	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16354	19.85	ug/l	91

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ClientSampleId :
VF0622SBSD01

Manual Integrations
APPROVED

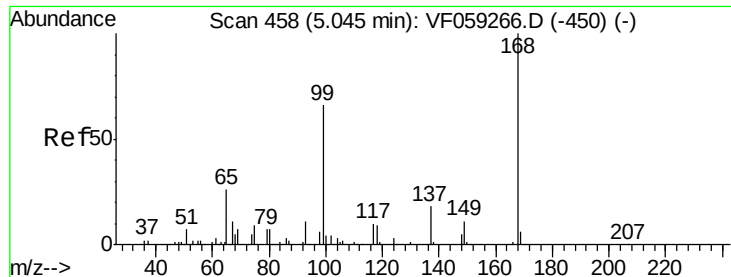
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	127485	22.35	ug/l	100
94) Hexachlorobutadiene	14.25	225	73011	21.59	ug/l	97
95) Naphthalene	14.52	128	254674	21.74	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	119591	22.28	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tot Ion:168 Resp: 237500

Ion Ratio Lower Upper

168 100

99 63.3 52.6 78.8

Instrument :

MSVOA_F

ClientSampleId :

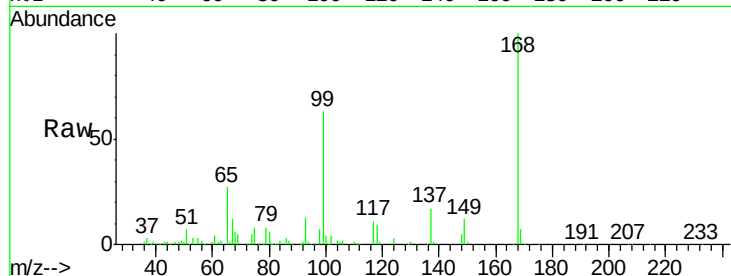
VF0622SBS01

Manual Integrations

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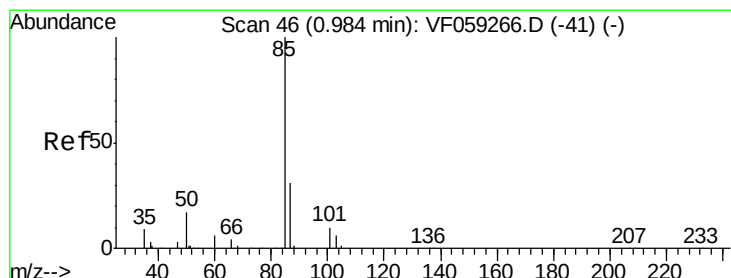
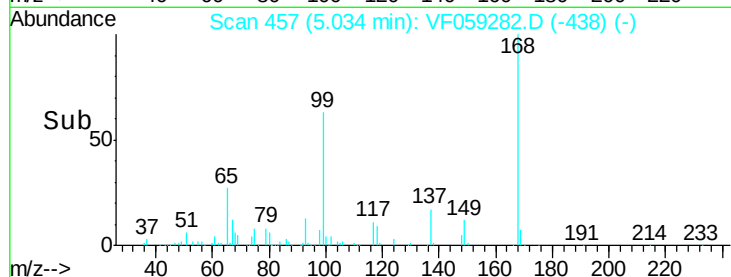
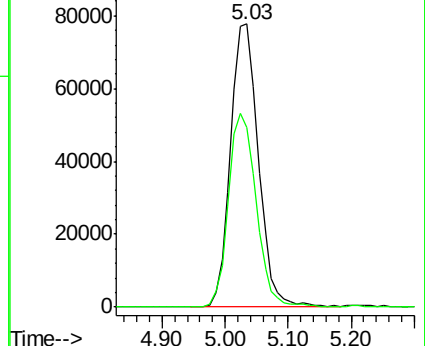
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.73 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059282.D

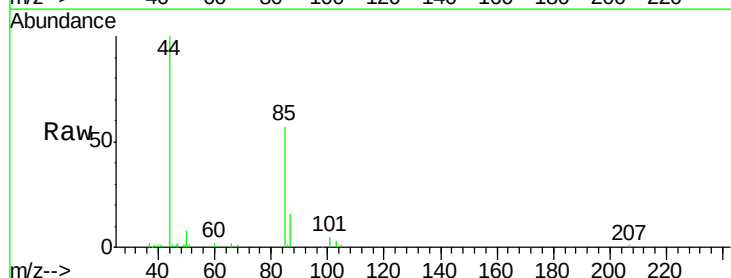
Acq: 22 Jun 2018 19:09

Tgt Ion: 85 Resp: 57316

Ion Ratio Lower Upper

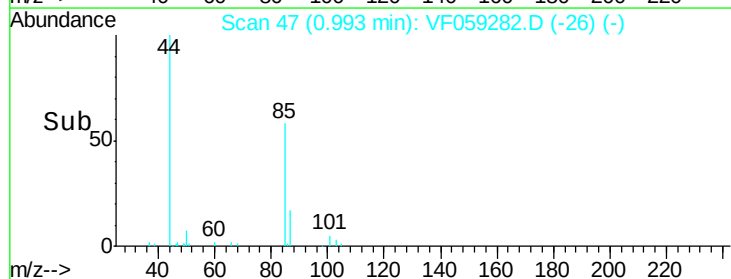
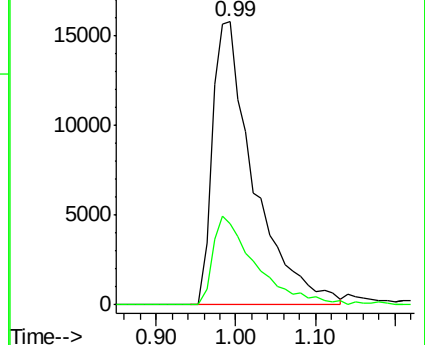
85 100

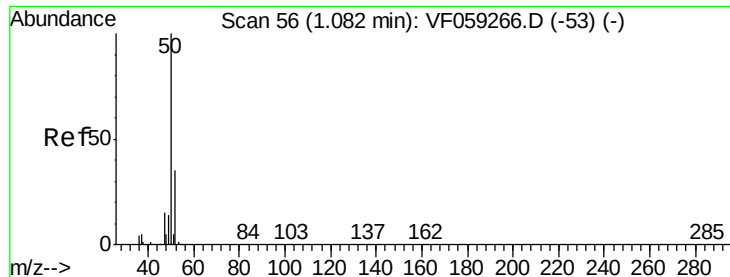
87 28.7 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.24 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion: 50 Resp: 37004

Ion Ratio Lower Upper

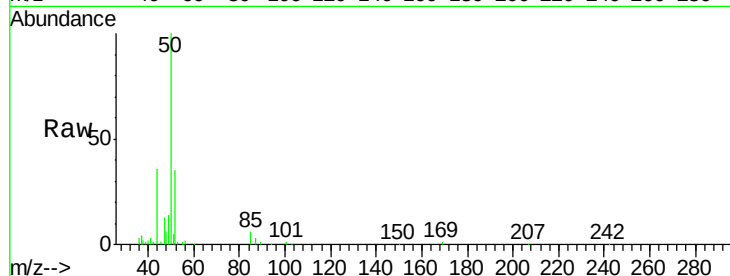
50 100

52 35.1 27.7 41.5

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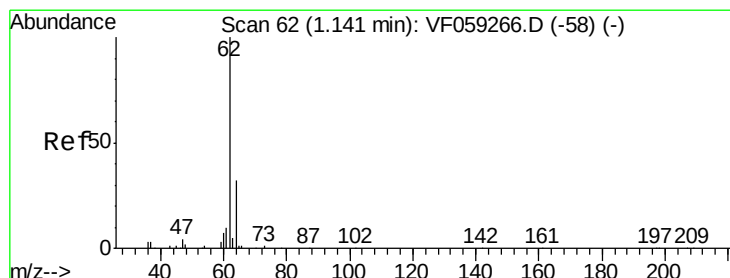
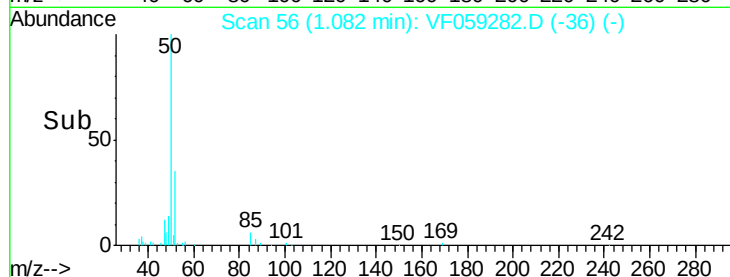
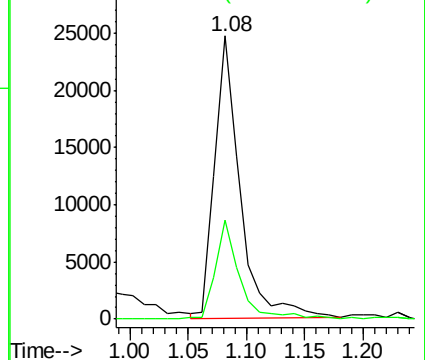
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.14 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059282.D

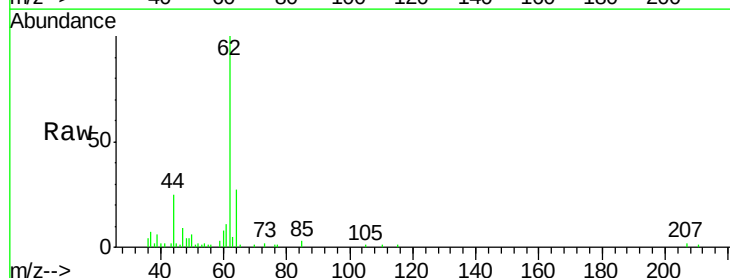
Acq: 22 Jun 2018 19:09

Tgt Ion: 62 Resp: 36503

Ion Ratio Lower Upper

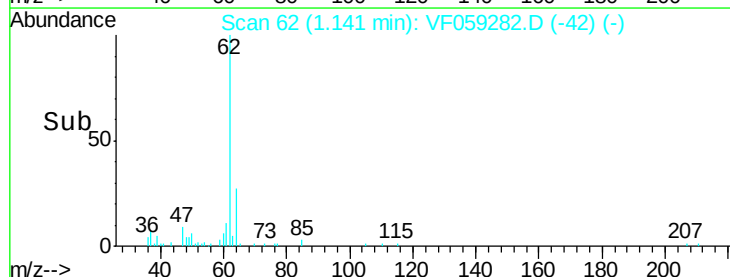
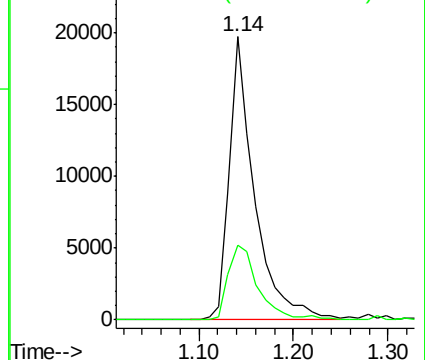
62 100

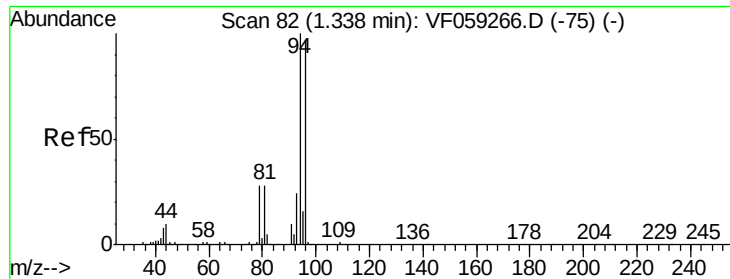
64 26.6 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 19.50 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion: 94 Resp: 24143

Ion Ratio Lower Upper

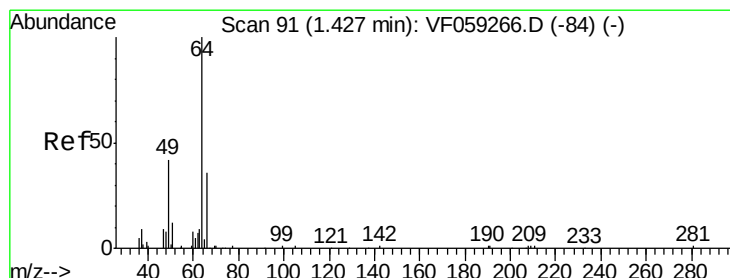
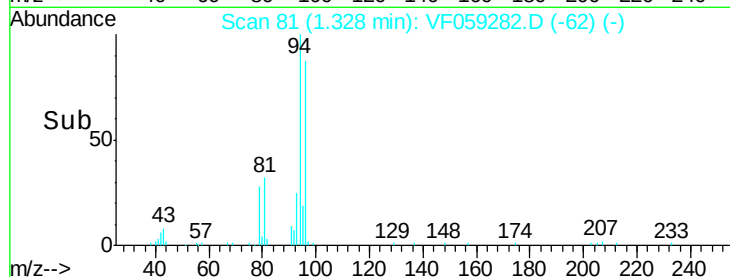
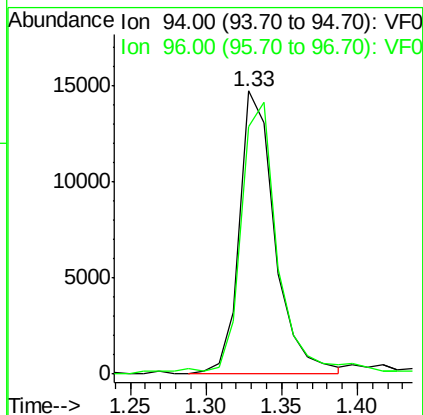
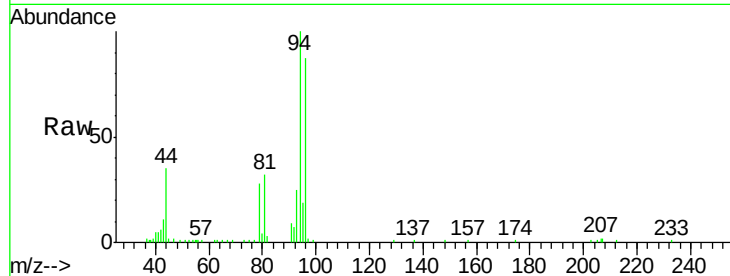
94 100

96 87.5 77.7 116.5

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#6

Chloroethane

Concen: 22.19 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059282.D

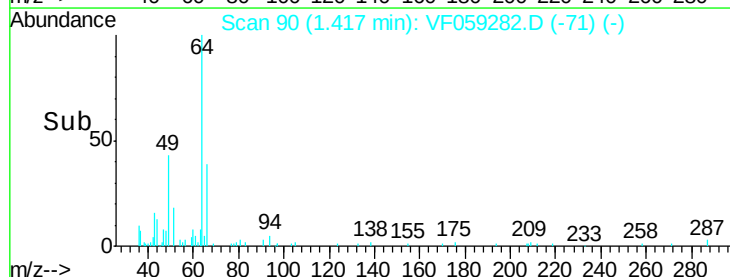
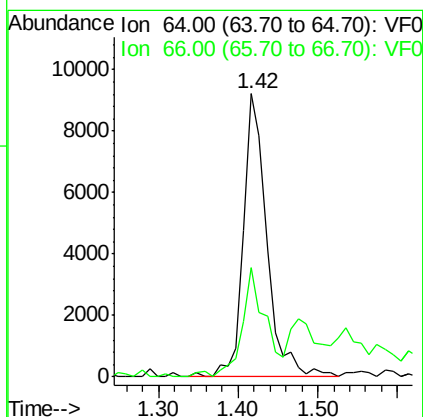
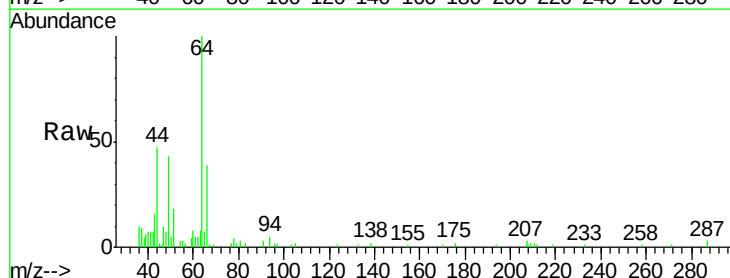
Acq: 22 Jun 2018 19:09

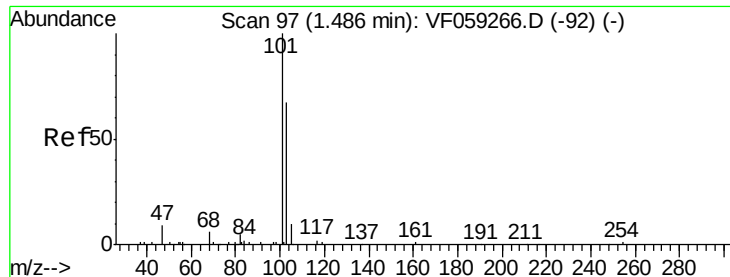
Tgt Ion: 64 Resp: 18697

Ion Ratio Lower Upper

64 100

66 38.6 29.4 44.2





#7

Trichlorofluoromethane
Concen: 21.66 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

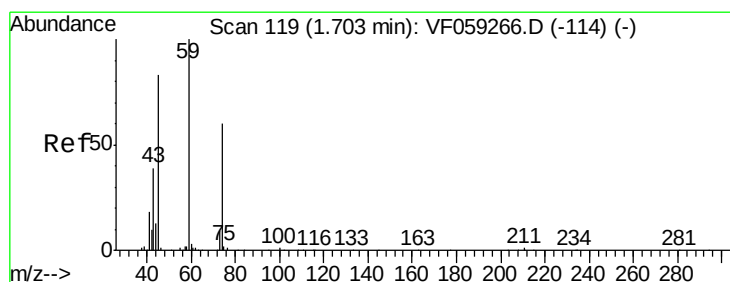
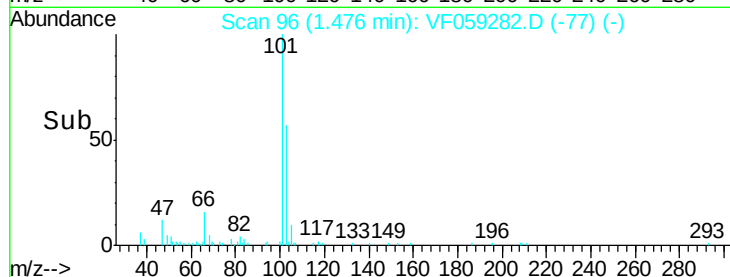
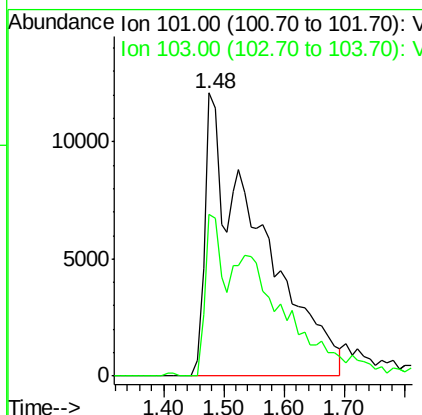
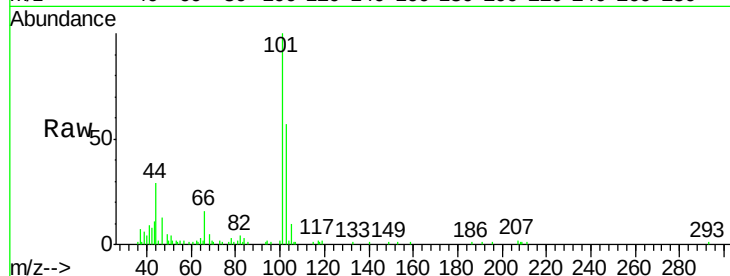
Instrument :
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ClientSampleId :
VF0622SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.2	53.8	80.8

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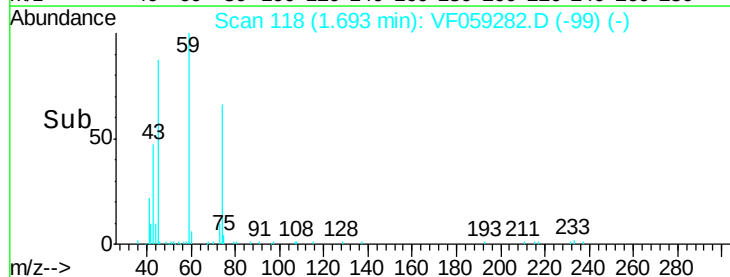
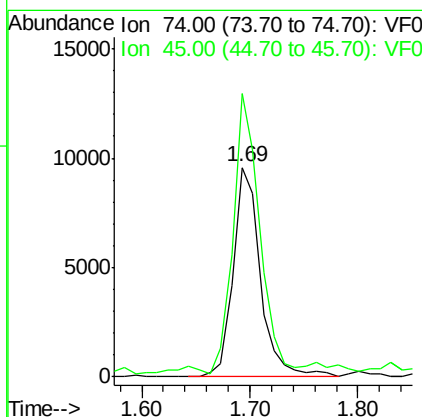
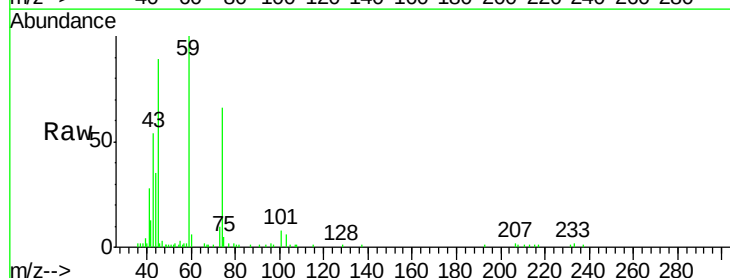
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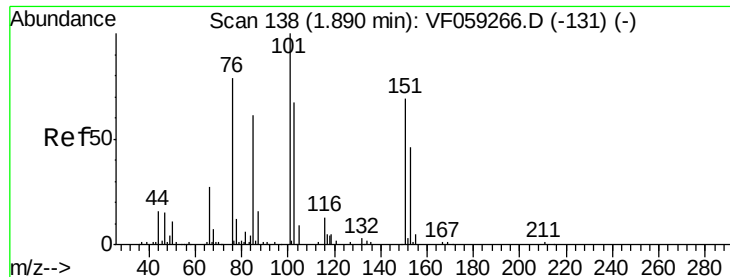


#8

Diethyl Ether
Concen: 22.20 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.0	69.2	207.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.83 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

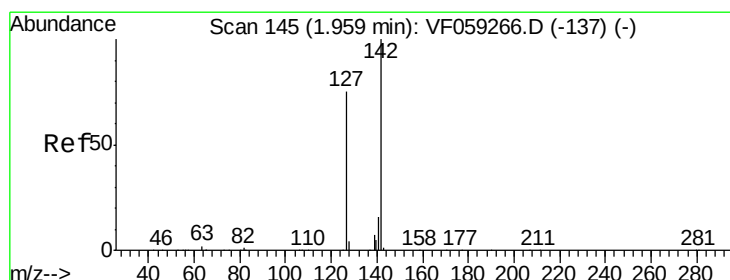
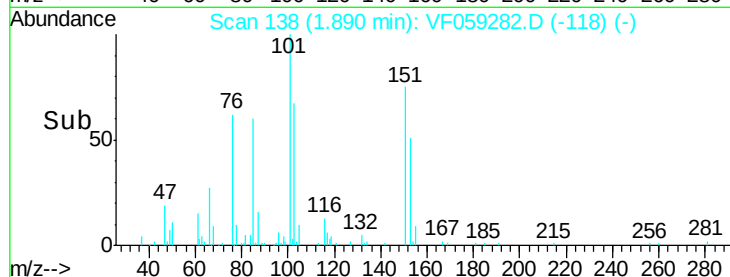
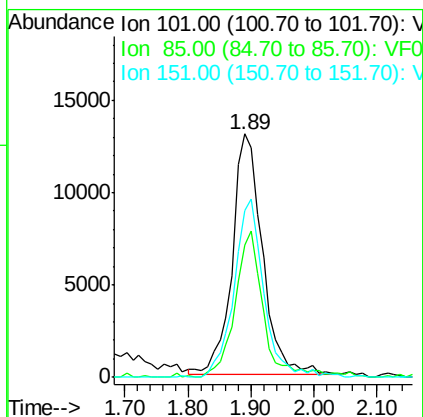
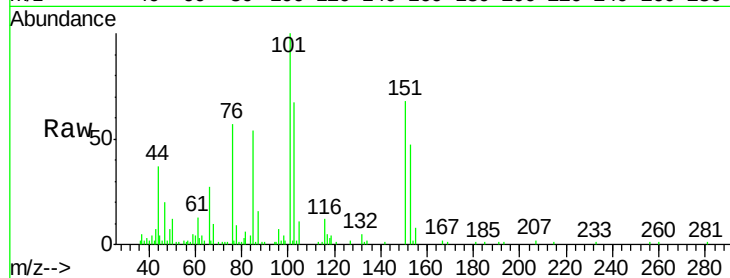
VF0622SBSD01

Tot Ion:	101	Resp:	43087
Ion Ratio	Lower	Upper	
101	100		
85	54.4	47.2	70.8
151	68.3	53.3	79.9

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#10

Methyl Iodide

Concen: 22.19 ug/l

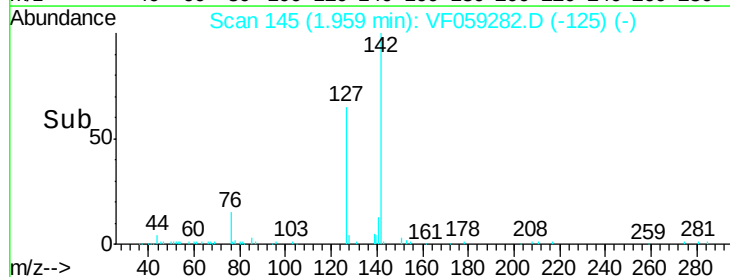
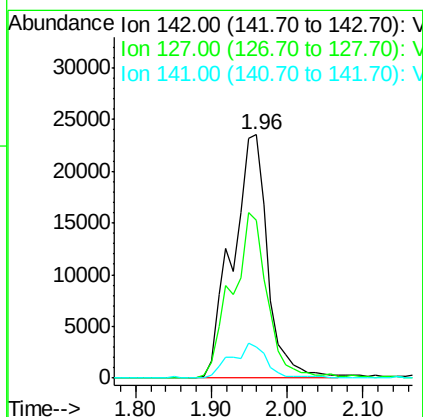
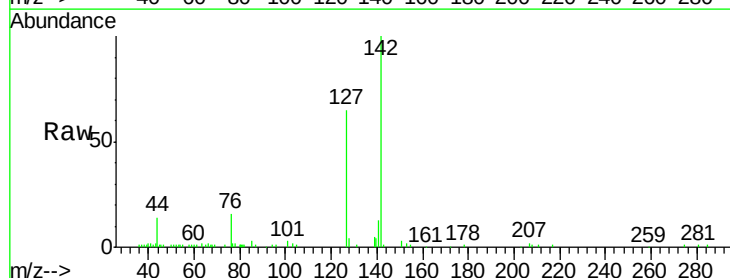
RT: 1.96 min Scan# 145

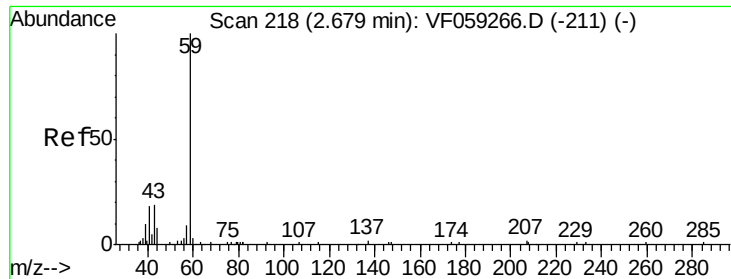
Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	142	Resp:	76549
Ion Ratio	Lower	Upper	
142	100		
127	65.0	59.9	89.9
141	12.6	12.7	19.1#





#11

Tert butyl alcohol
 Concen: 106.65 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

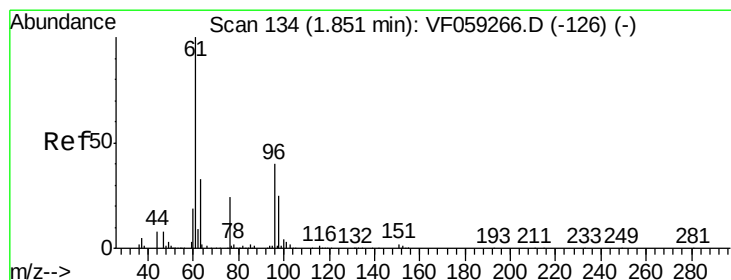
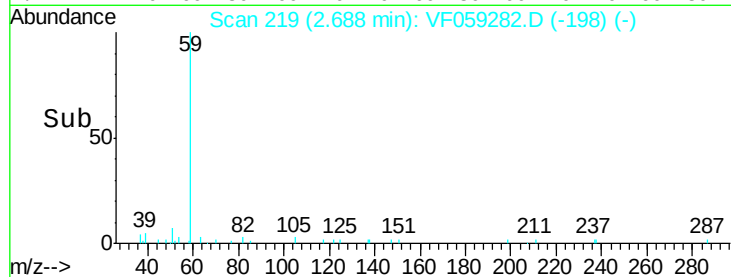
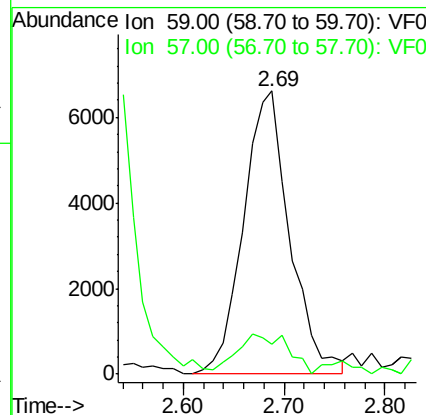
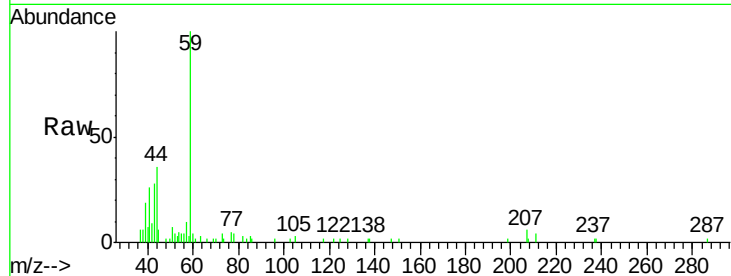
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.2	13.8

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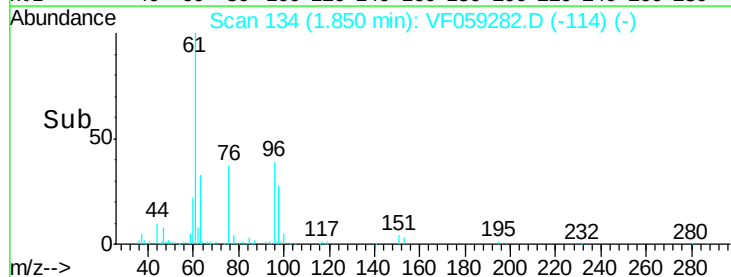
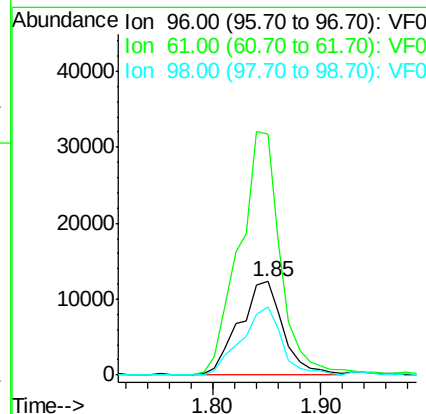
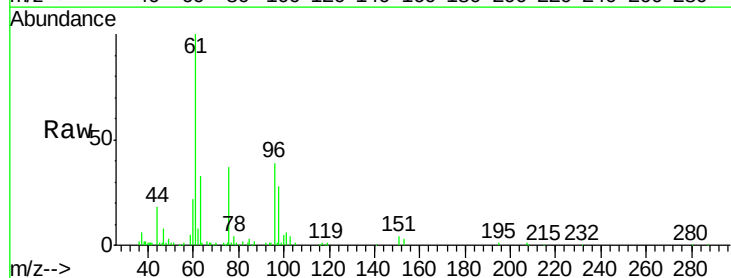
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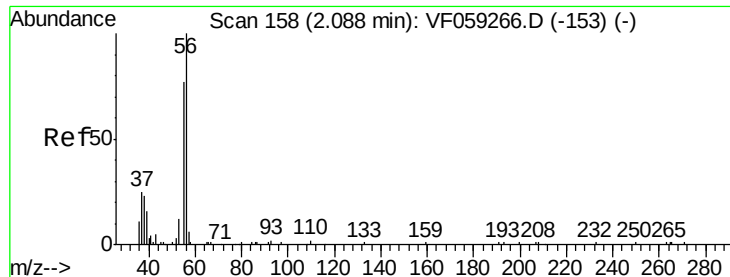


#12

1,1-Dichloroethene
 Concen: 20.63 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	258.7	201.4	302.2
98	73.3	50.0	75.0





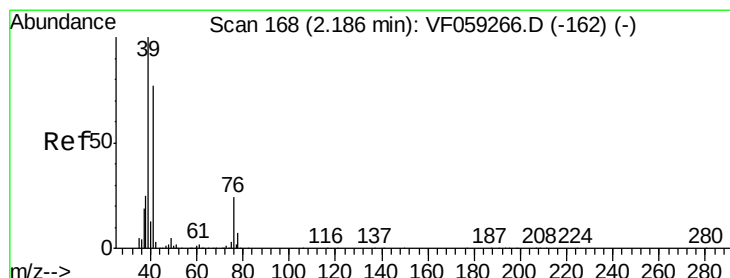
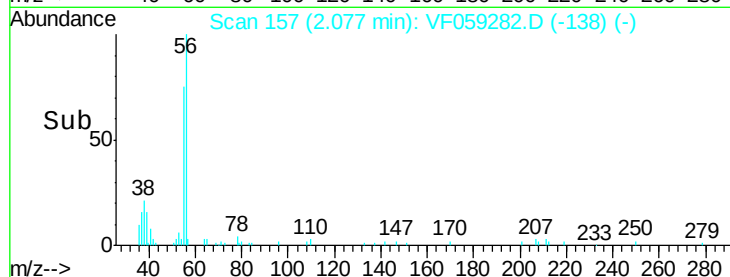
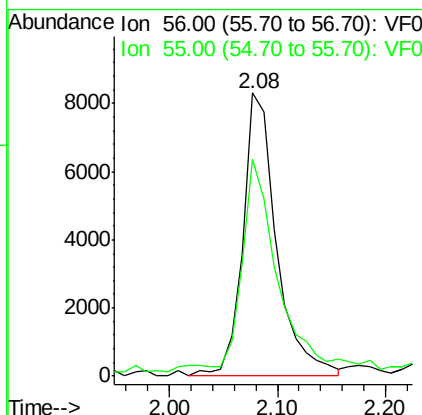
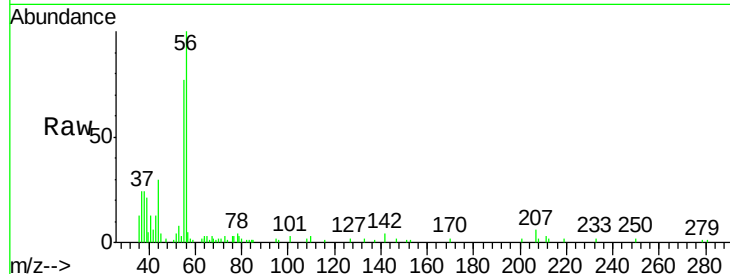
#13
Acrolein
Concen: 111.93 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

Tot Ion	56	Resp	18047
Ion Ratio	Lower	Upper	
56	100		
55	76.6	63.0	94.6

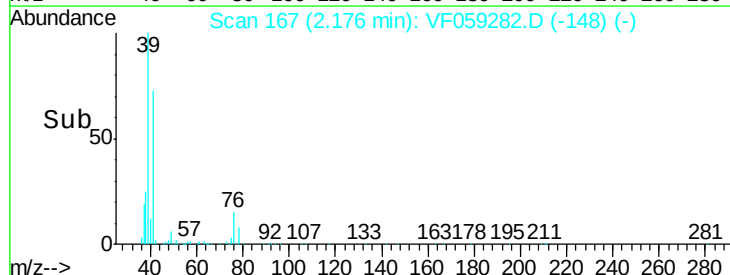
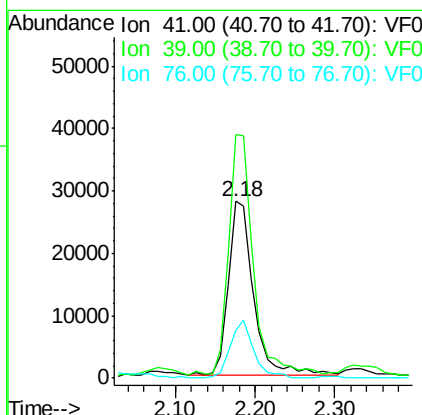
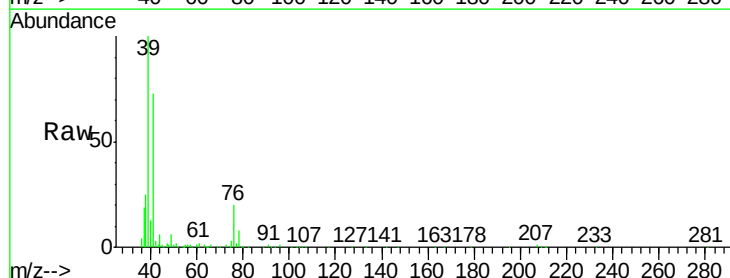
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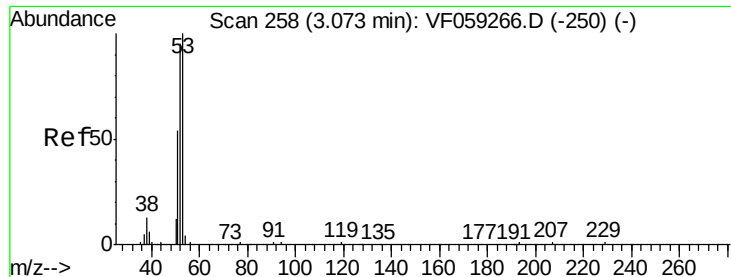
anatel
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#14
Allyl chloride
Concen: 19.82 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	41	Resp	61568
Ion Ratio	Lower	Upper	
41	100		
39	137.7	103.8	155.6
76	27.3	25.0	37.6





#15

Acrylonitrile

Concen: 117.92 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

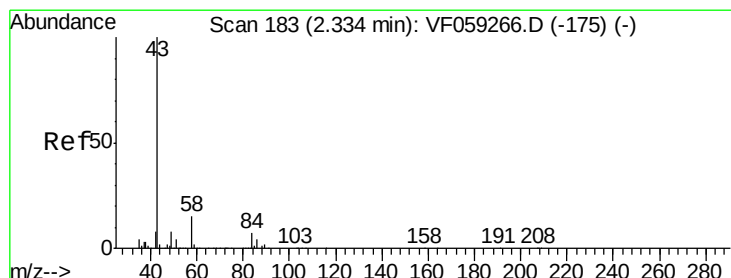
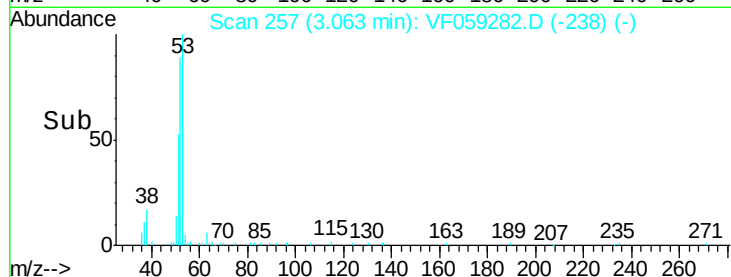
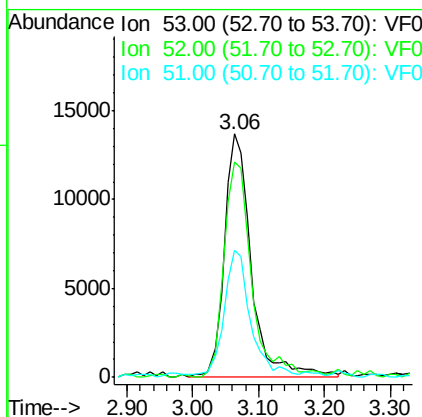
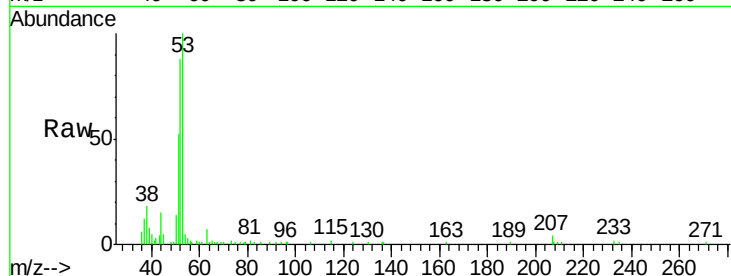
Tot Ion:	53	Resp:	39465
Ion	Ratio	Lower	Upper
53	100		
52	88.4	75.7	113.5
51	52.3	44.5	66.7

Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

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#16

Acetone

Concen: 107.20 ug/l

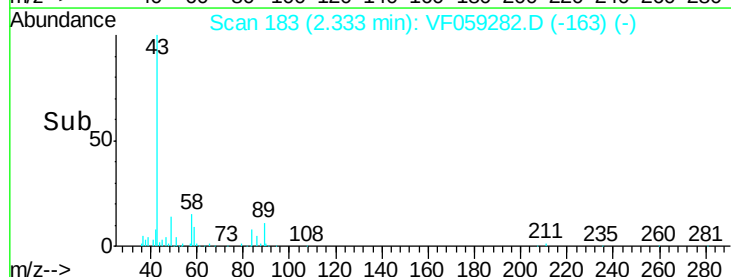
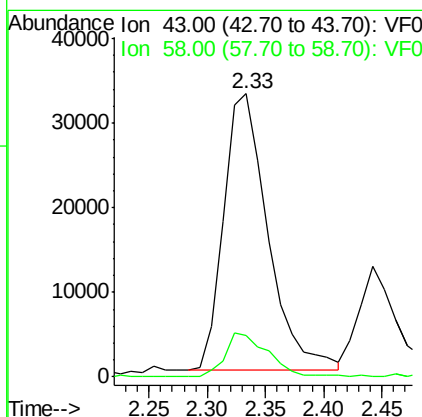
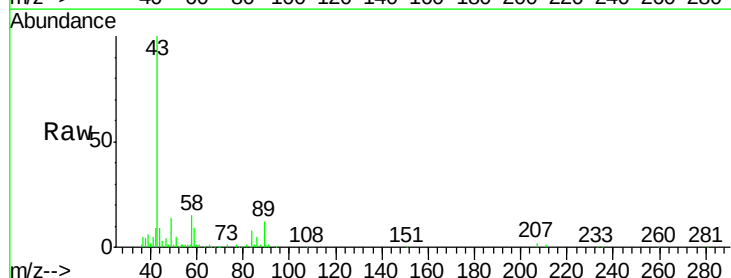
RT: 2.33 min Scan# 183

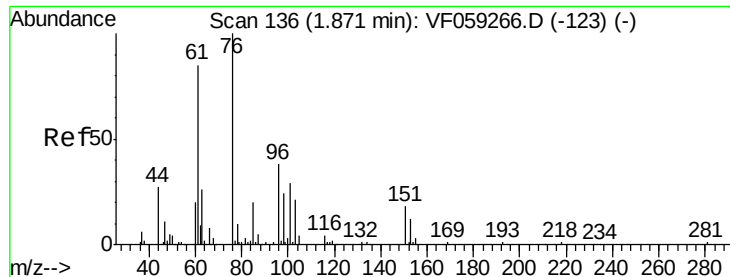
Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	43	Resp:	86375
Ion	Ratio	Lower	Upper
43	100		
58	14.5	12.1	18.1





#17

Carbon Disulfide

Concen: 19.68 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion: 76 Resp: 80475

Ion Ratio Lower Upper

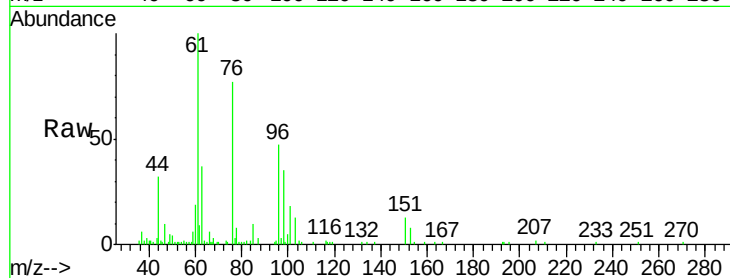
76 100

78 10.1 8.6 12.8

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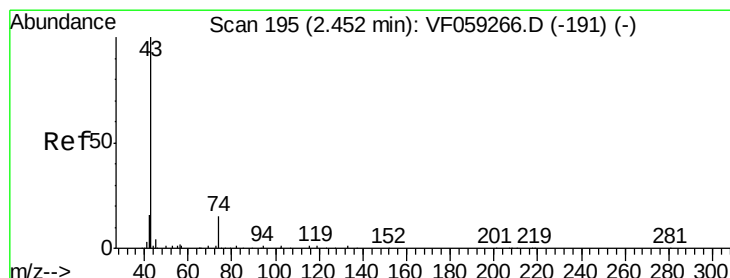
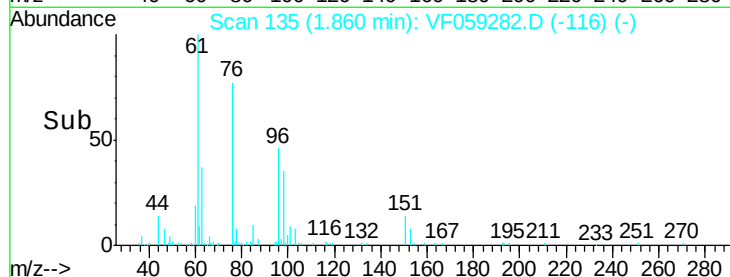
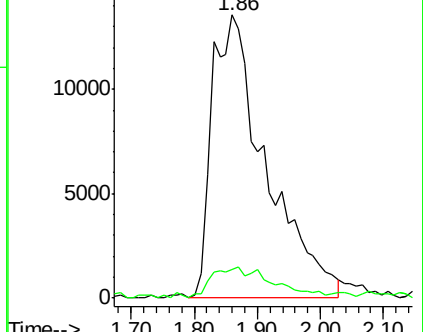
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 20.20 ug/l m

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059282.D

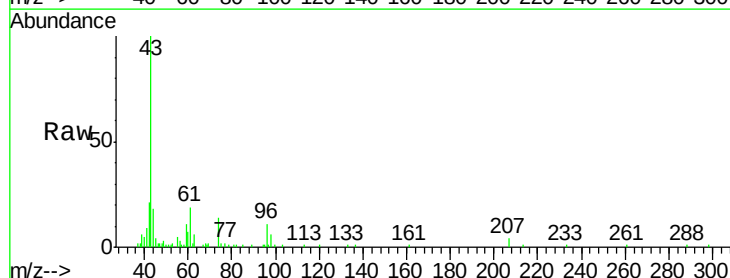
Acq: 22 Jun 2018 19:09

Tgt Ion: 43 Resp: 30682

Ion Ratio Lower Upper

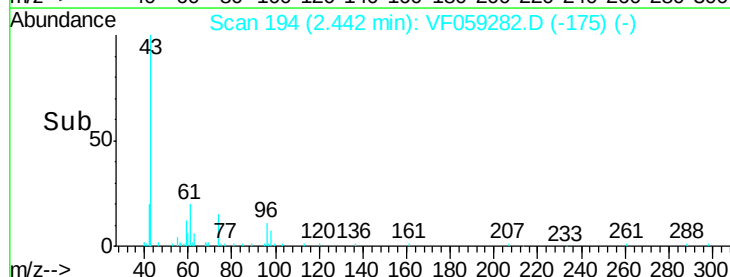
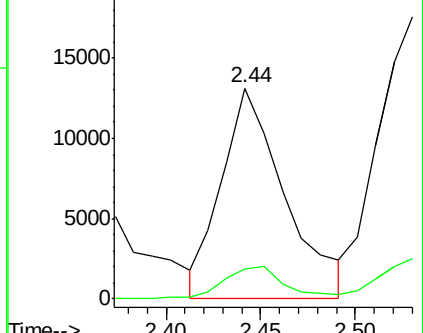
43 100

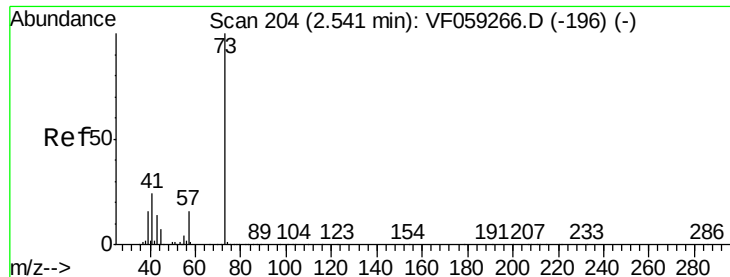
74 14.3 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19
Methyl tert-butyl Ether
Concen: 22.20 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

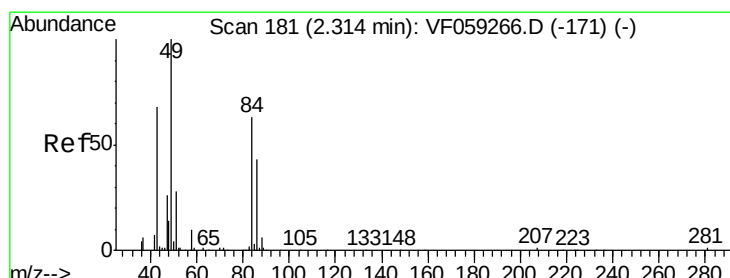
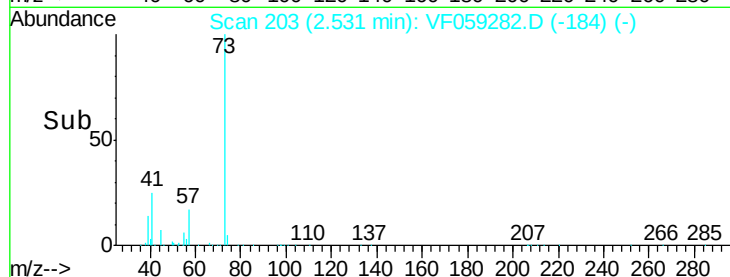
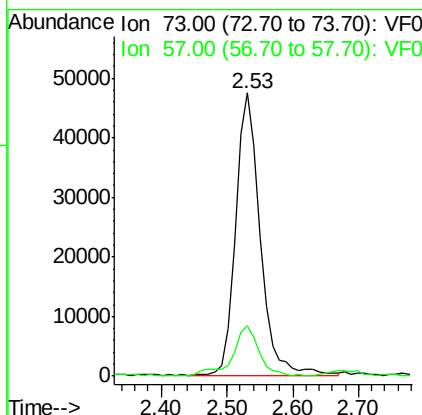
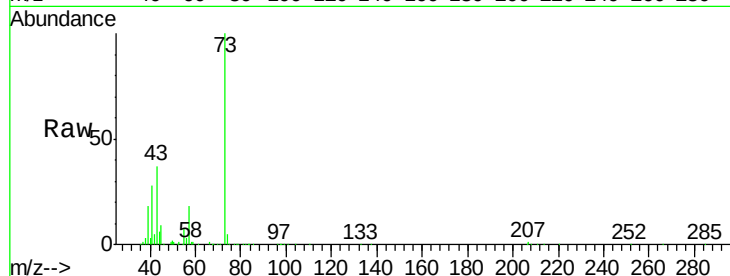
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	13.0	19.4

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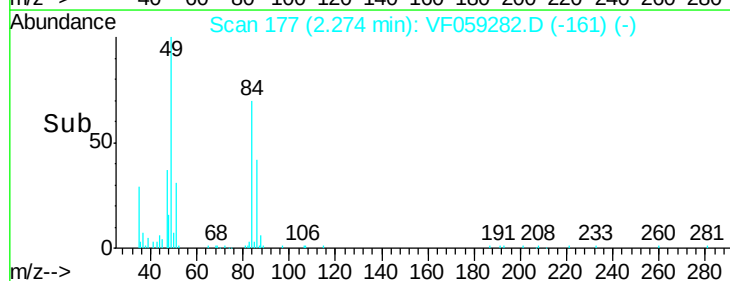
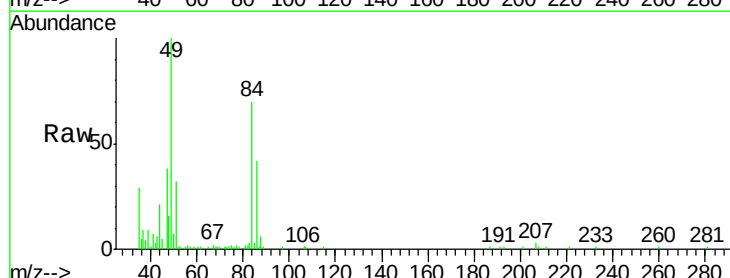
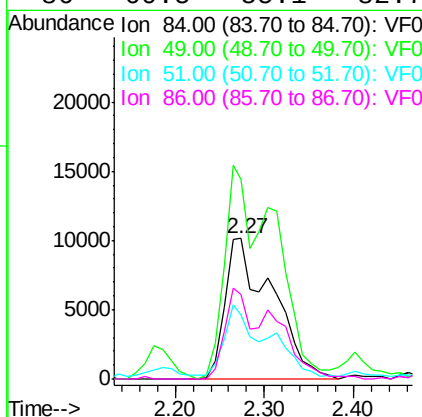
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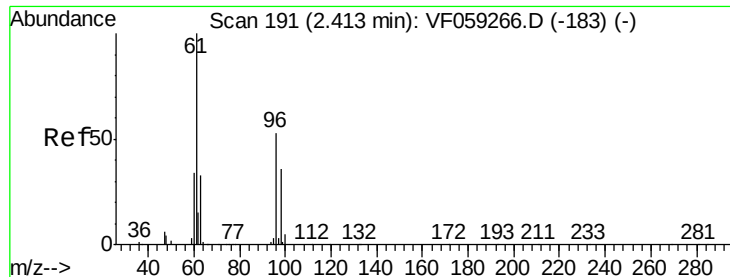
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#20
Methylene Chloride
Concen: 21.92 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.04 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.3	130.0	195.0
51	45.4	36.6	55.0
86	60.5	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 20.43 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

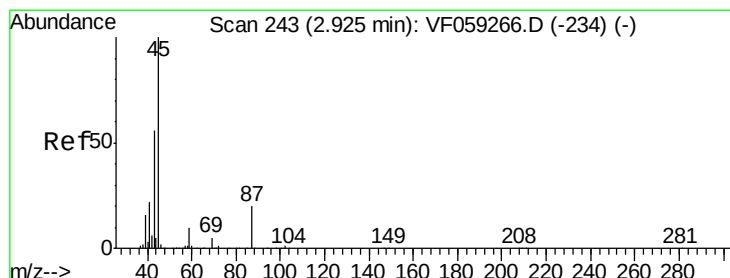
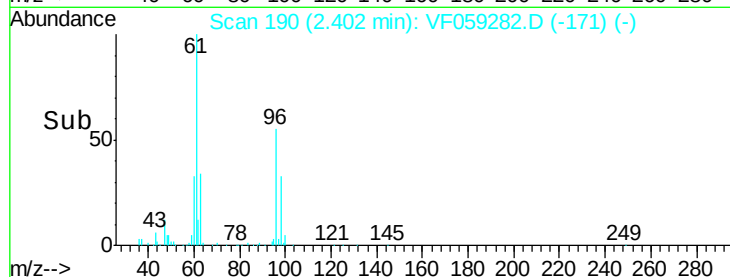
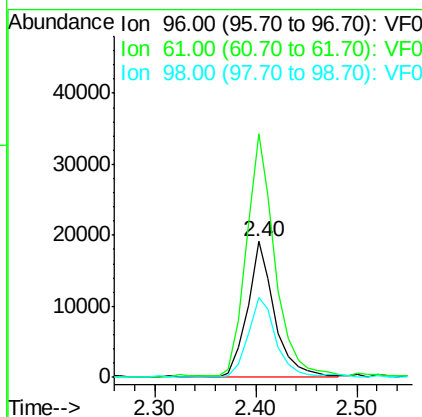
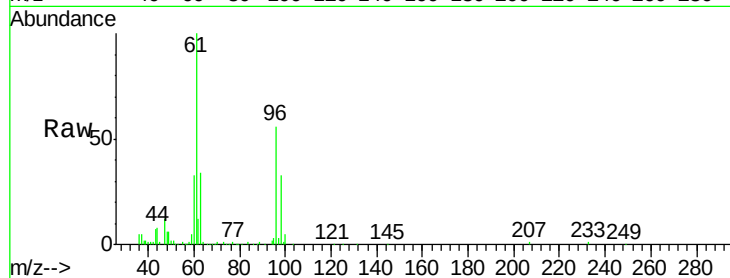
VF0622SBSD01

Tot Ion:	96	Resp:	35907
Ion	Ratio	Lower	Upper
96	100		
61	179.4	151.2	226.8
98	58.5	54.2	81.2

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#22

Diisopropyl ether

Concen: 22.46 ug/l

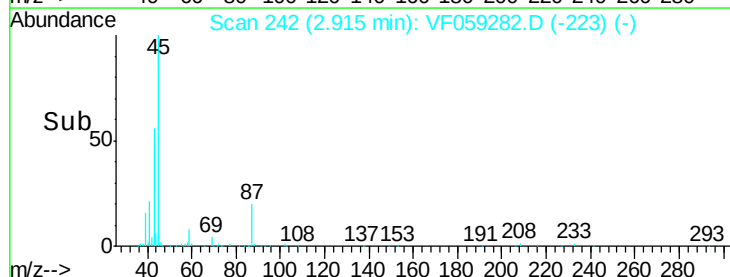
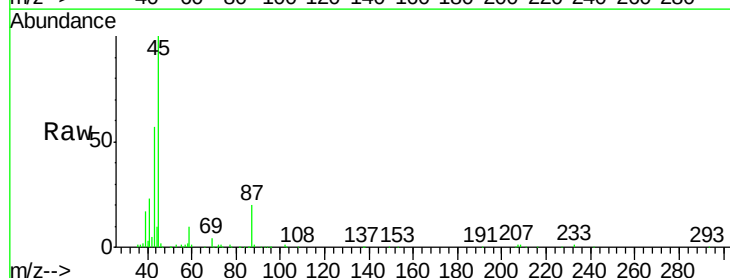
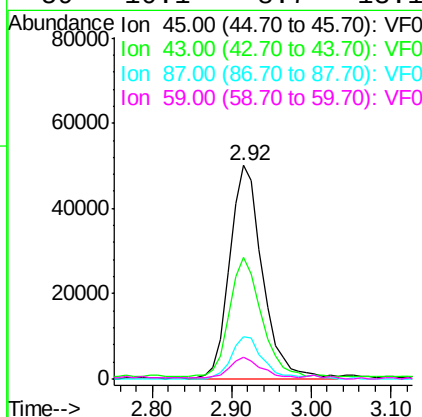
RT: 2.92 min Scan# 242

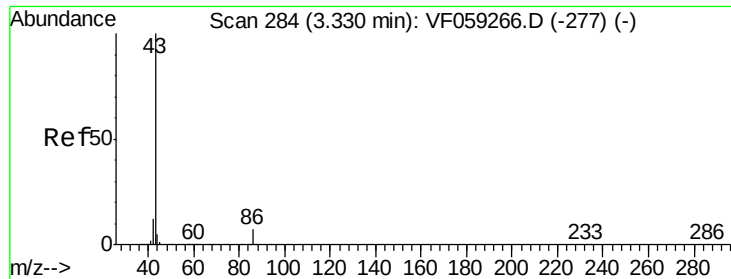
Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	45	Resp:	144792
Ion	Ratio	Lower	Upper
45	100		
43	57.0	45.8	68.6
87	19.7	15.7	23.5
59	10.1	8.7	13.1





#23

Vinyl Acetate

Concen: 114.92 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion: 43 Resp: 473846

Ion Ratio Lower Upper

43 100

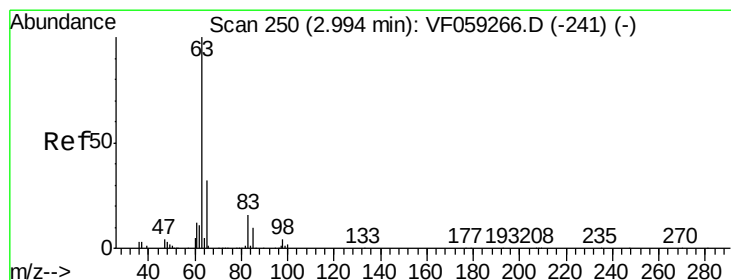
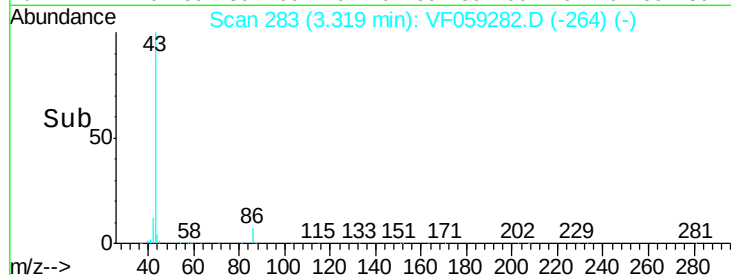
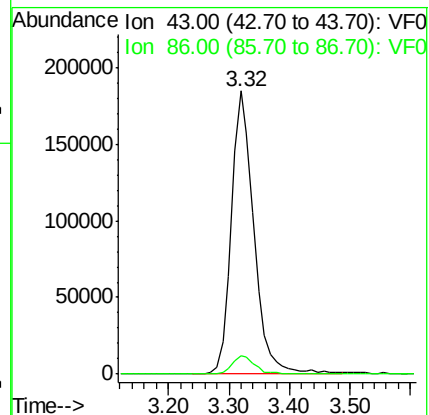
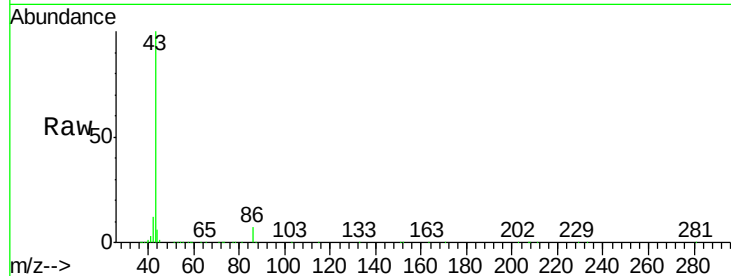
86 6.6 5.4 8.2

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#24

1,1-Dichloroethane

Concen: 21.67 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

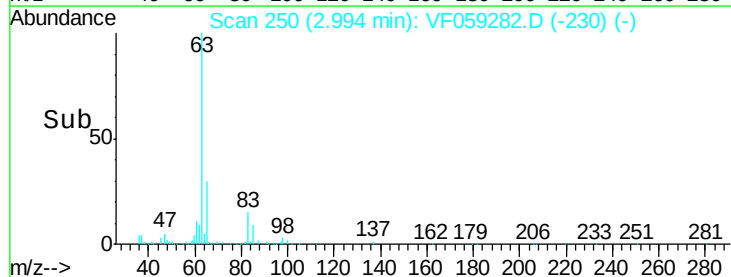
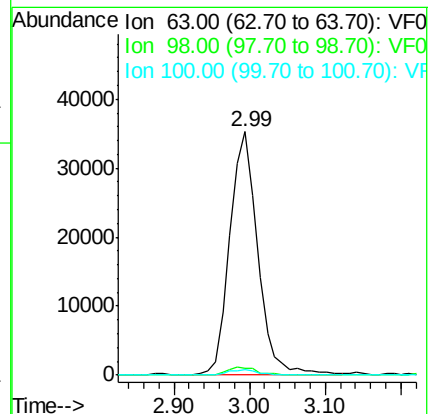
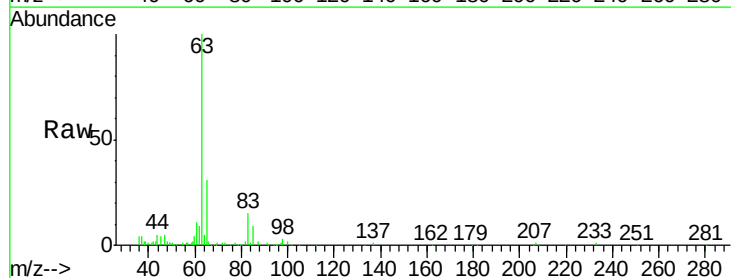
Tgt Ion: 63 Resp: 90573

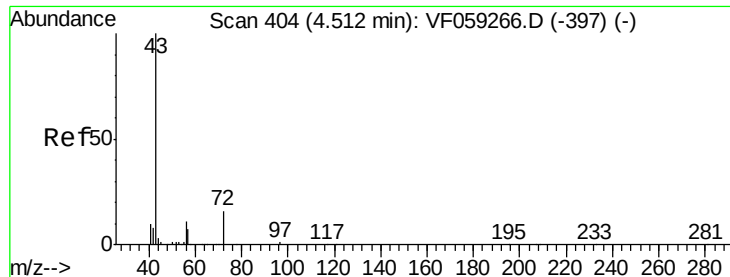
Ion Ratio Lower Upper

63 100

98 3.0 2.0 5.8

100 2.4 1.1 3.1





#25

2-Butanone

Concen: 111.35 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tot Ion: 43 Resp: 119677

Ion Ratio Lower Upper

43 100

72 16.4 15.2 22.8

Instrument :

MSVOA_F

ClientSampleId :

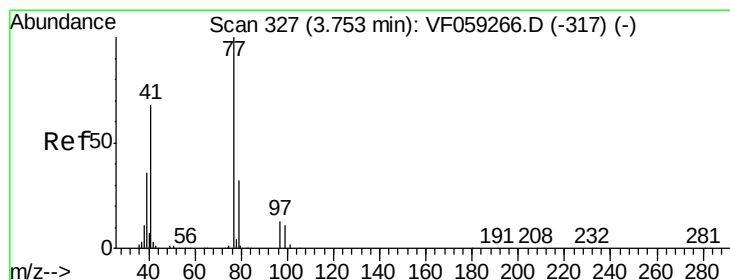
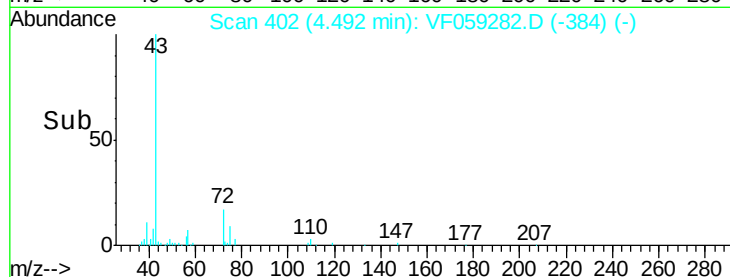
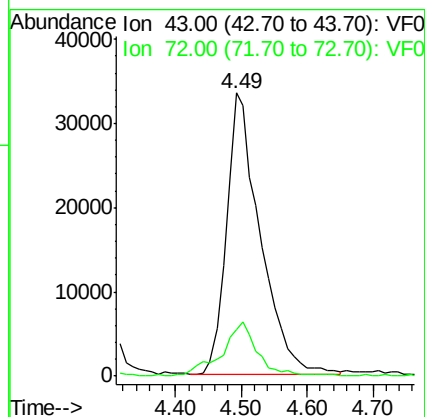
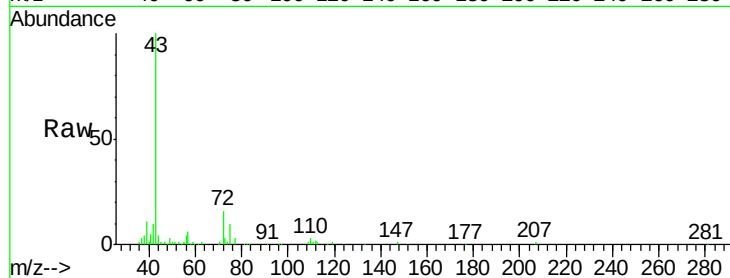
VF0622SBSD01

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#26

2,2-Dichloropropane

Concen: 23.79 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059282.D

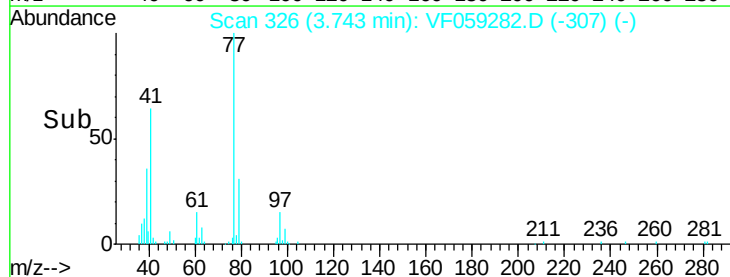
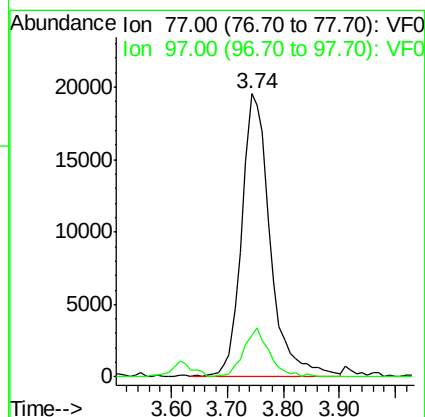
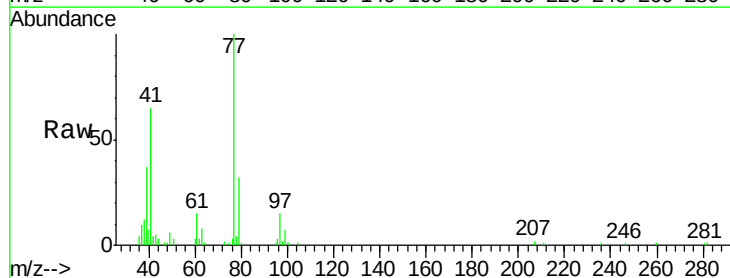
Acq: 22 Jun 2018 19:09

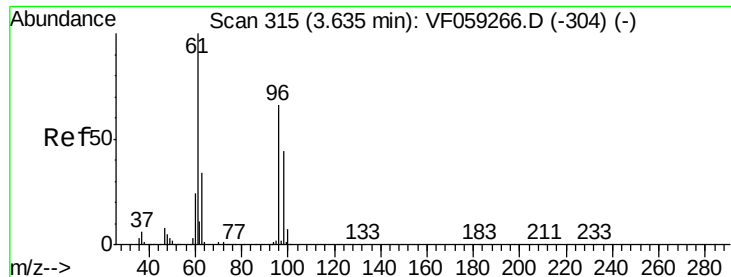
Tgt Ion: 77 Resp: 69280

Ion Ratio Lower Upper

77 100

97 14.5 7.6 22.8





#27

cis-1,2-Dichloroethene
Concen: 21.48 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

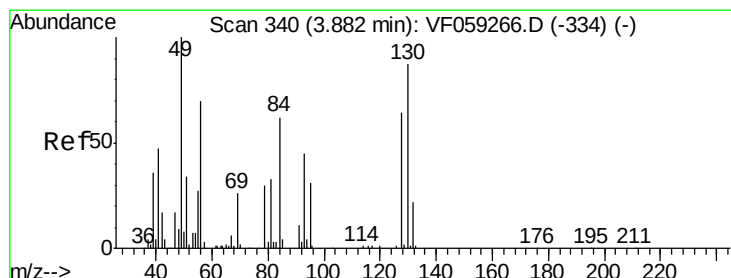
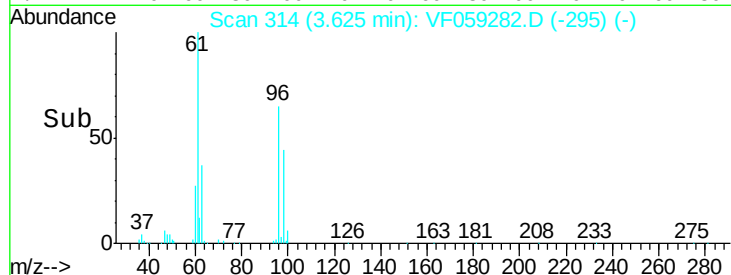
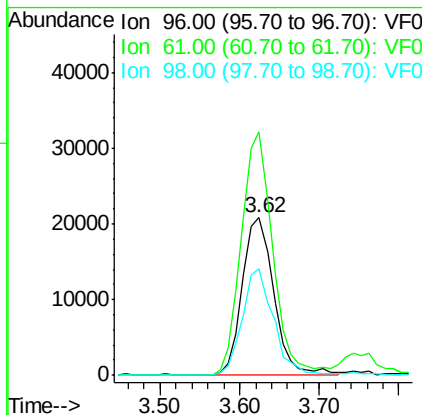
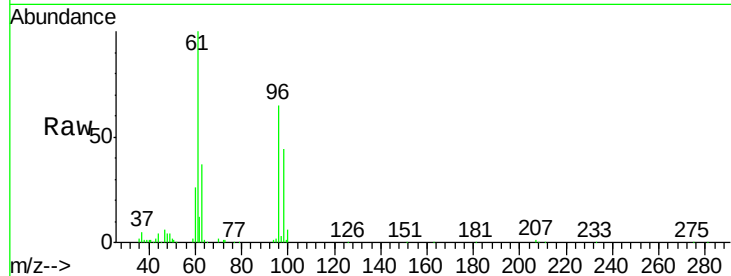
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	305.0
98	67.5	0.0	134.0

Manual Integrations
APPROVED

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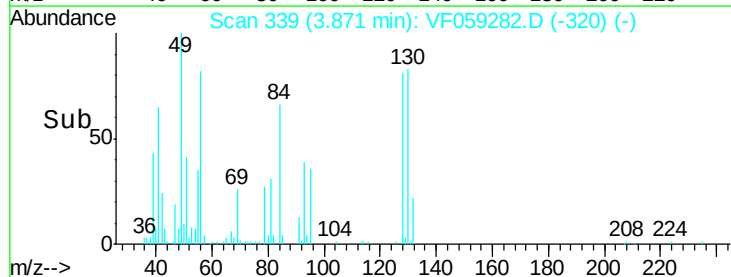
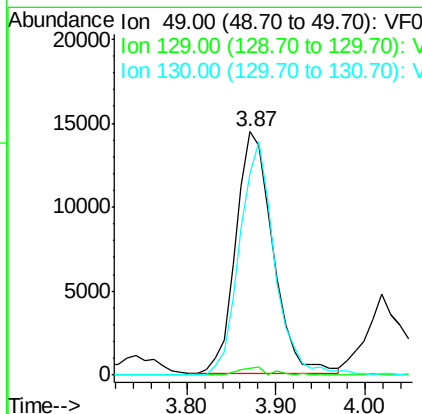
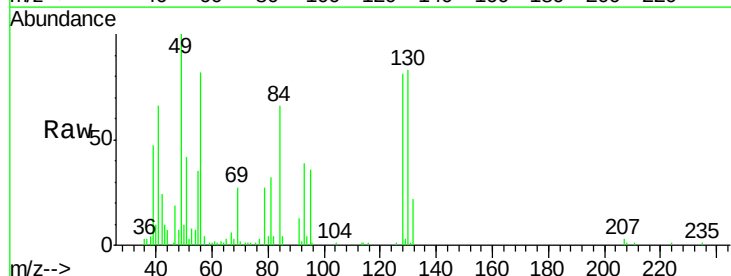
6/24/2018 11:35:12 AM

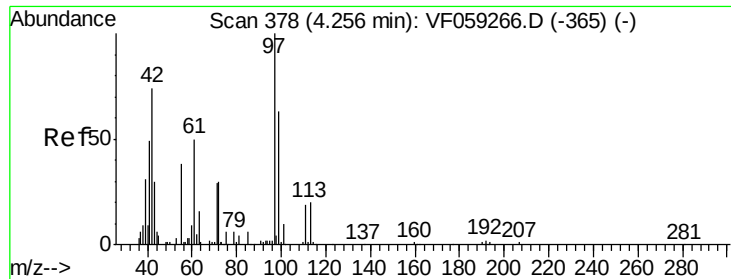


#28

Bromochloromethane
Concen: 24.18 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.8
130	82.9	69.4	104.2





#29
Tetrahydrofuran
Concen: 100.30 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

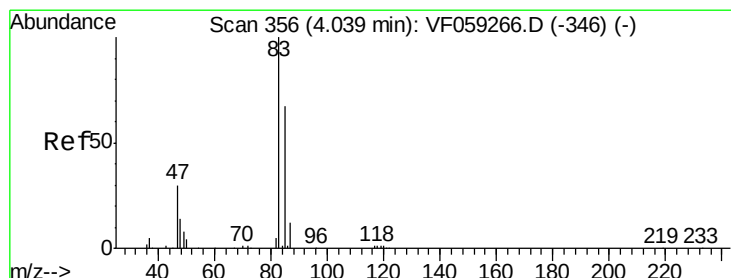
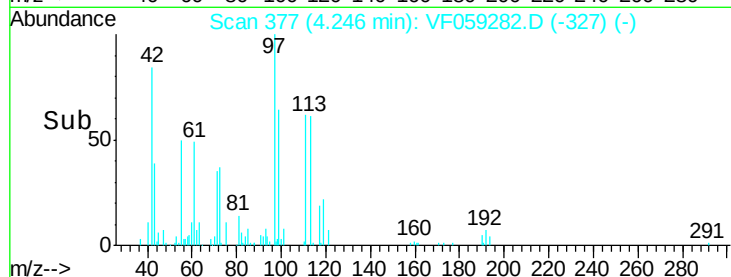
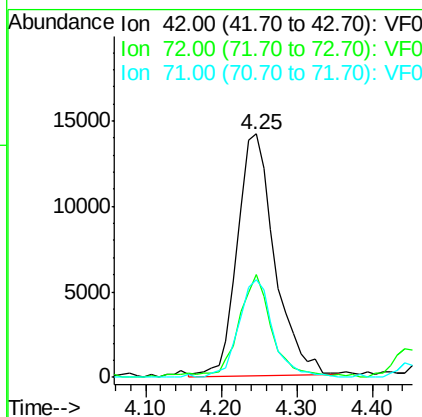
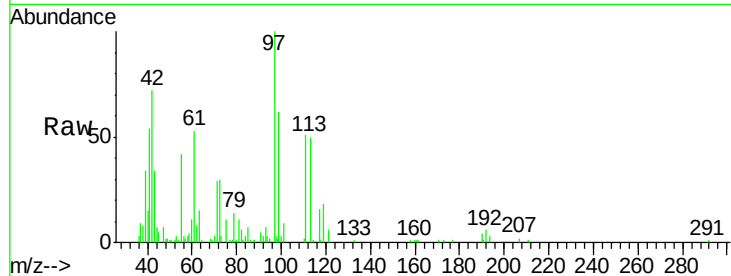
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	31.2	46.8
71	36.9	30.2	45.2

Manual Integrations
APPROVED

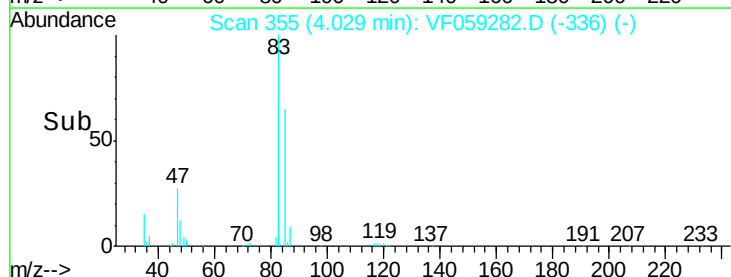
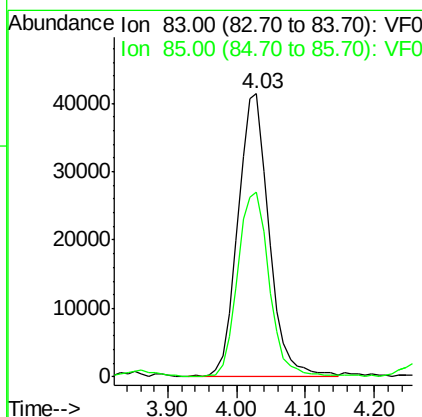
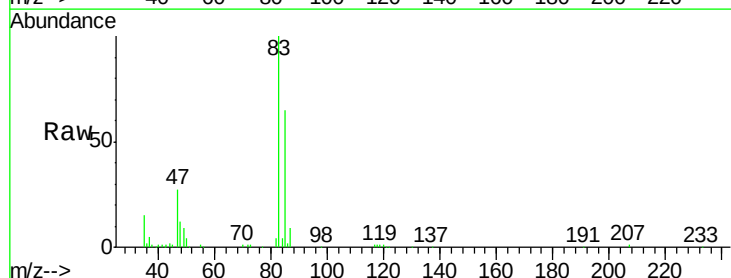
anatel

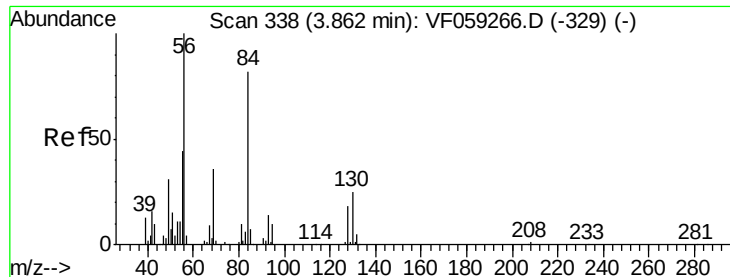
6/24/2018 11:35:12 AM



#30
Chloroform
Concen: 21.52 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	54.2	81.2





#31
Cyclohexane
Concen: 21.95 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

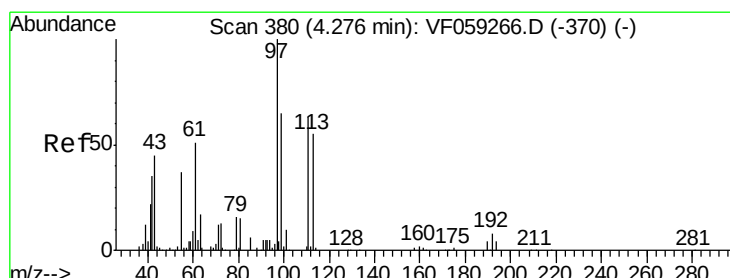
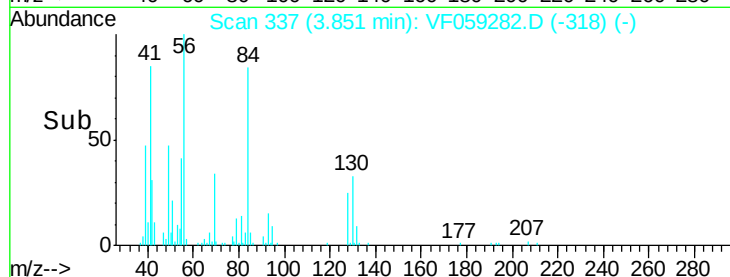
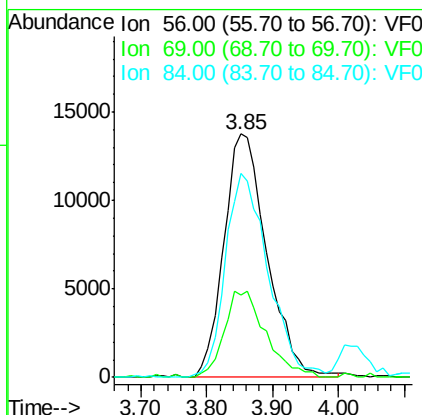
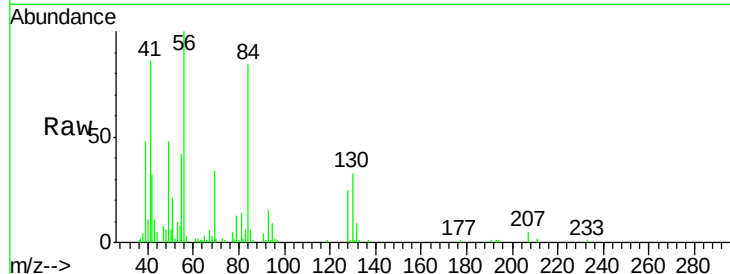
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.0	28.6	43.0	
84	83.7	65.8	98.6	

Manual Integrations
APPROVED

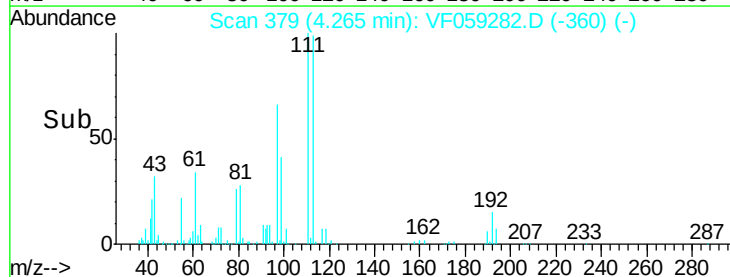
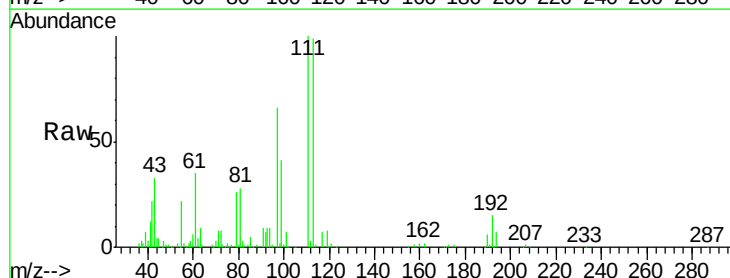
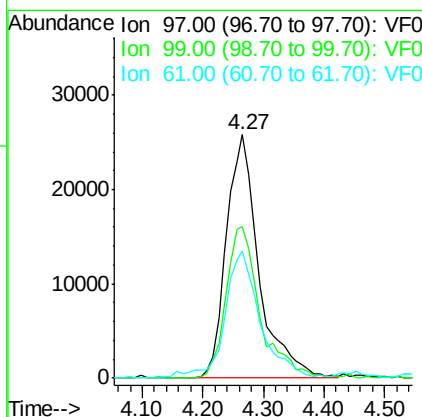
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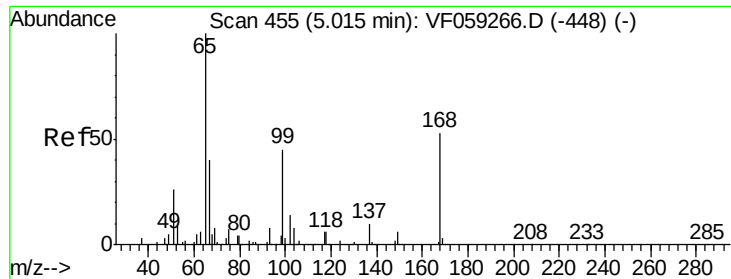
6/24/2018 11:35:12 AM



#32
1,1,1-Trichloroethane
Concen: 21.17 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.4	52.4	78.6	
61	52.4	40.9	61.3	





#33
 1,2-Dichloroethane-d4
 Concen: 51.11 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

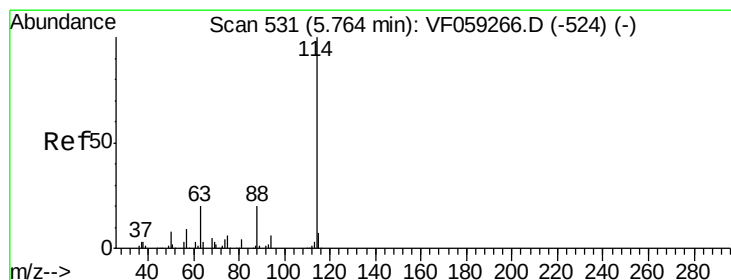
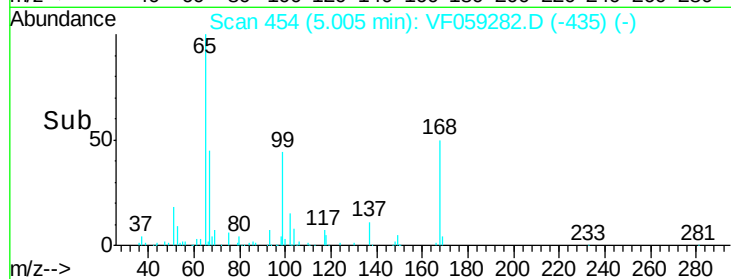
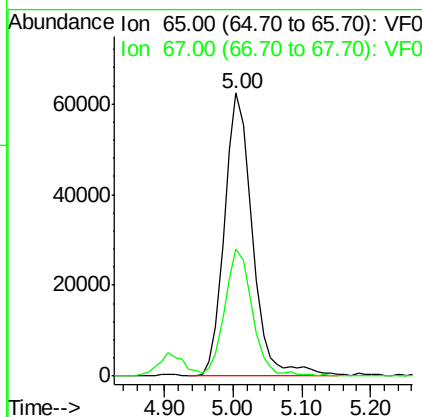
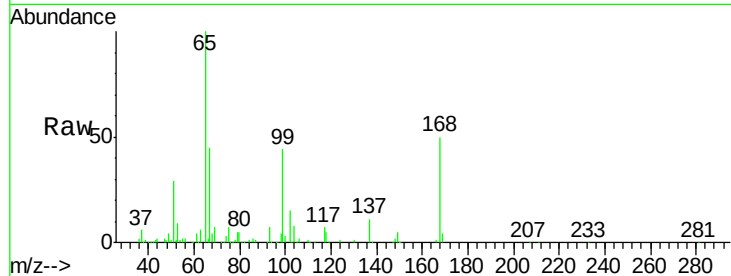
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174236		
67	45.1	0.0	95.8	

Manual Integrations
 APPROVED

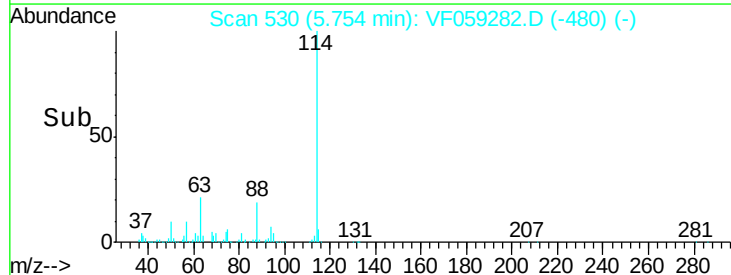
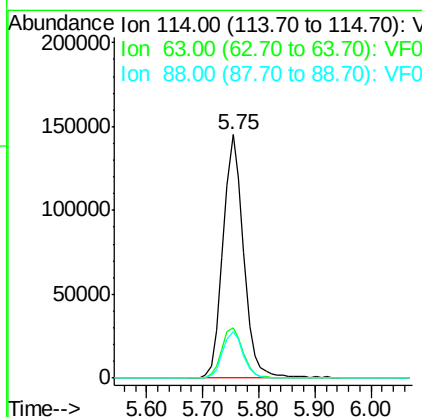
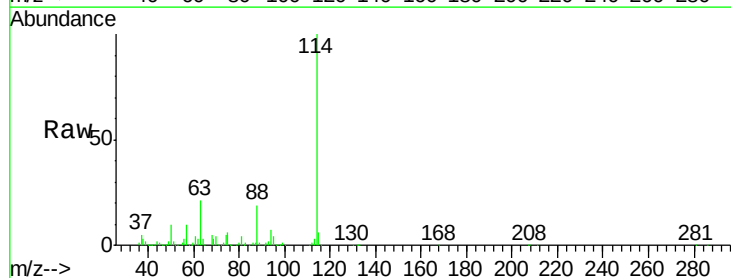
anatel

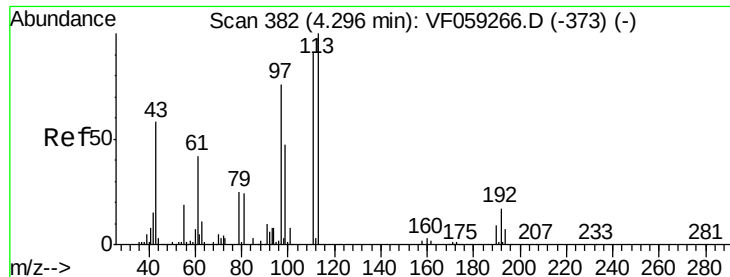
6/24/2018 11:35:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	373763		
63	20.8	0.0	41.0	
88	19.2	0.0	39.6	





#35

Dibromofluoromethane

Concen: 48.91 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

Tot Ion:113 Resp: 153808

Ion Ratio Lower Upper

113 100

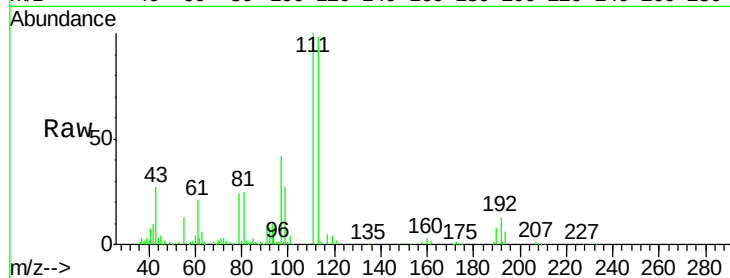
111 101.8 73.1 109.7

192 13.8 13.9 20.9#

Manual Integrations
APPROVED

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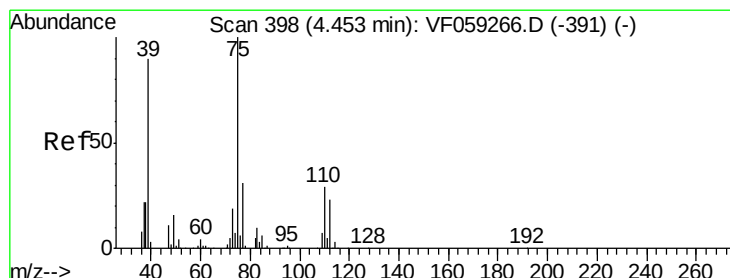
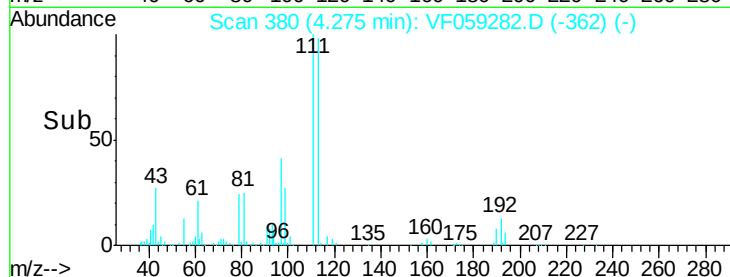
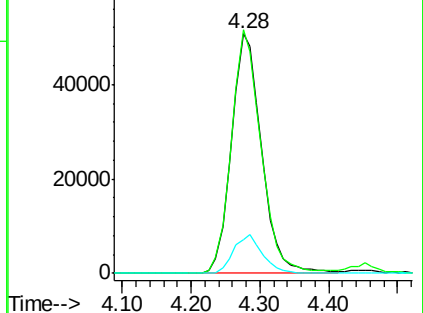
6/24/2018 11:35:12 AM



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.84 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

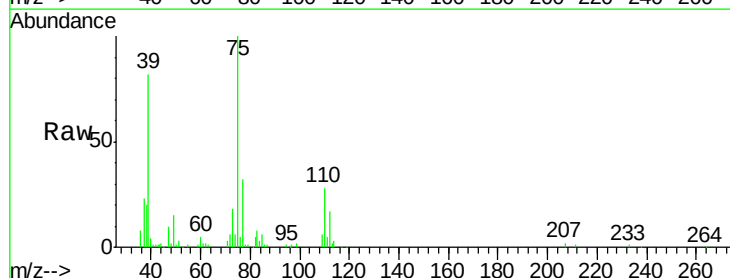
Tgt Ion: 75 Resp: 81865

Ion Ratio Lower Upper

75 100

110 28.2 14.5 43.5

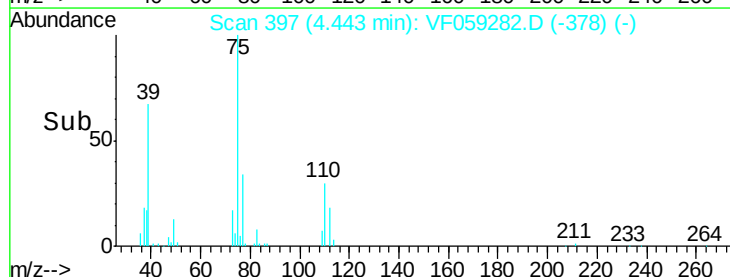
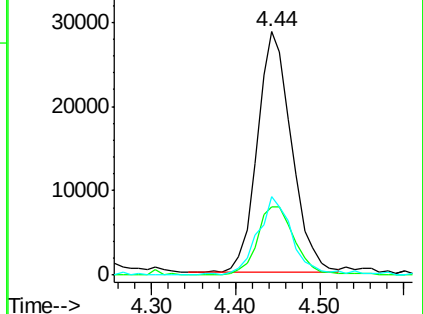
77 32.4 25.0 37.6

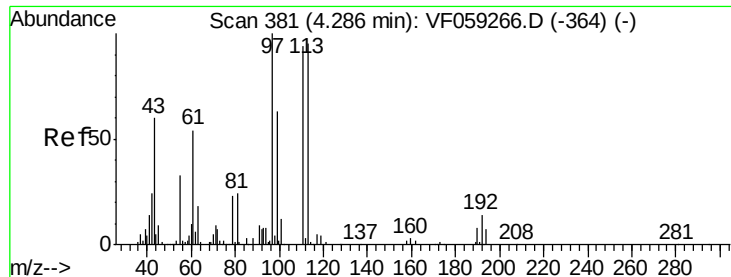


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 21.93 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

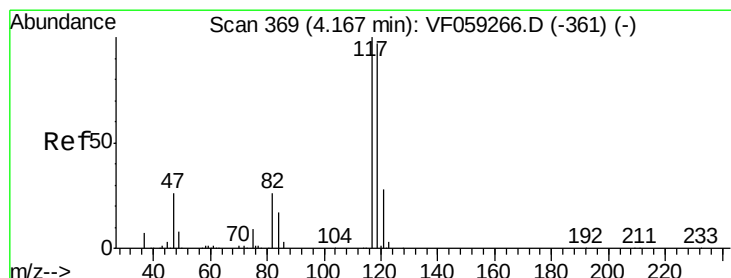
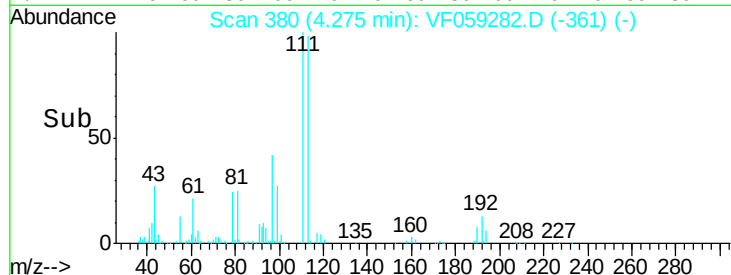
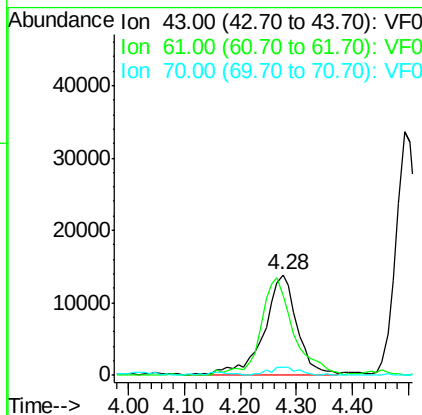
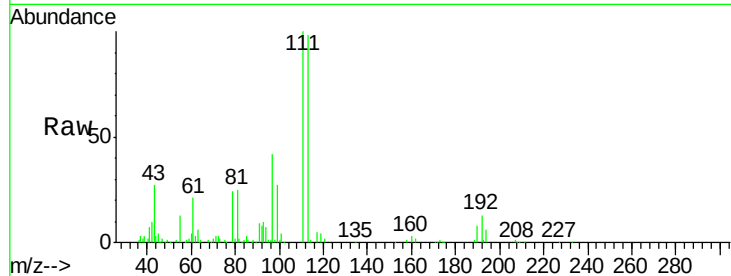
VF0622SBSD01

Tot Ion:	43	Resp:	55037
Ion	Ratio	Lower	Upper
43	100		
61	79.1	71.6	107.4
70	7.7	6.9	10.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.52 ug/l m

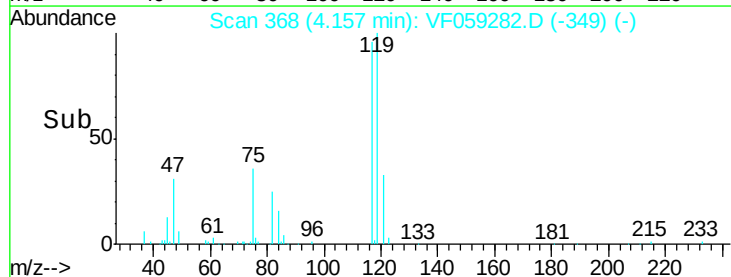
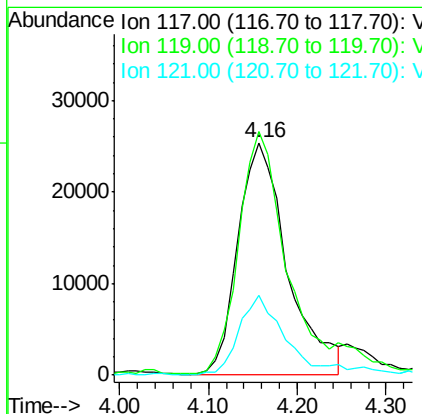
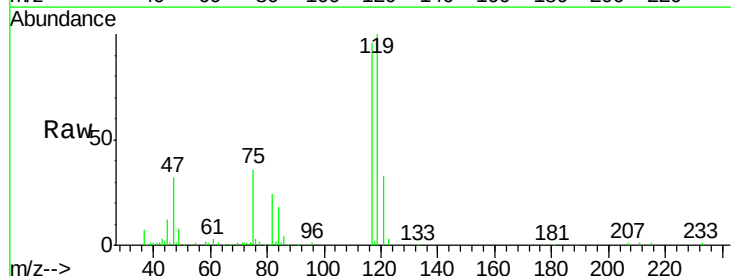
RT: 4.16 min Scan# 368

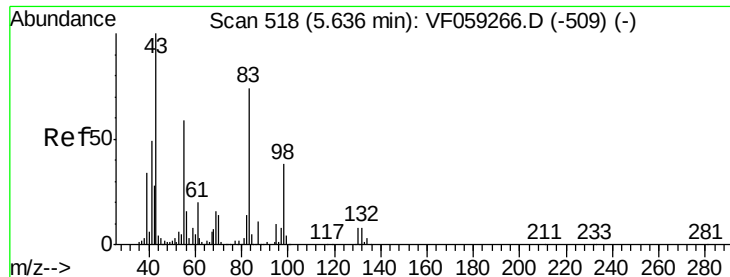
Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	117	Resp:	99012
Ion	Ratio	Lower	Upper
117	100		
119	104.6	77.5	116.3
121	34.1	22.2	33.4#





#39
Methylvlcyclohexane
Concen: 20.69 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

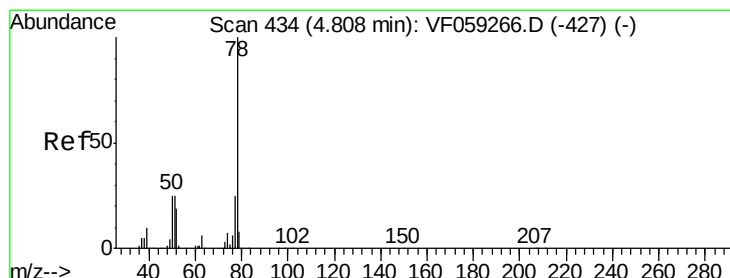
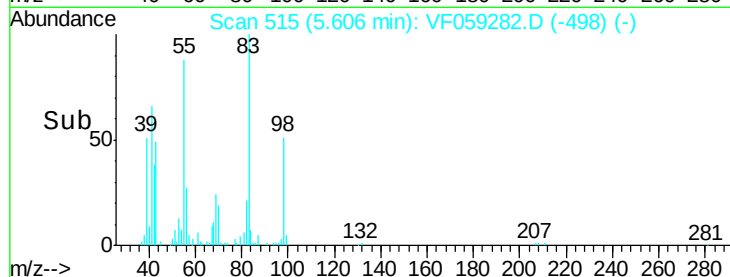
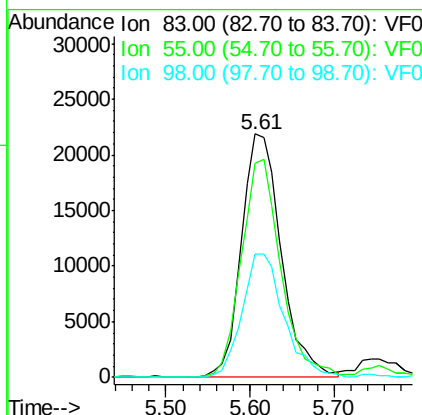
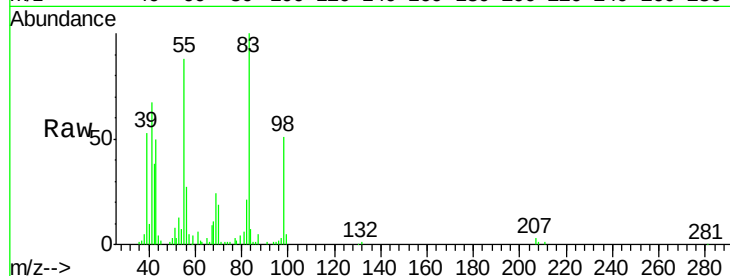
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	63.7	95.5
98	50.5	41.6	62.4

Manual Integrations
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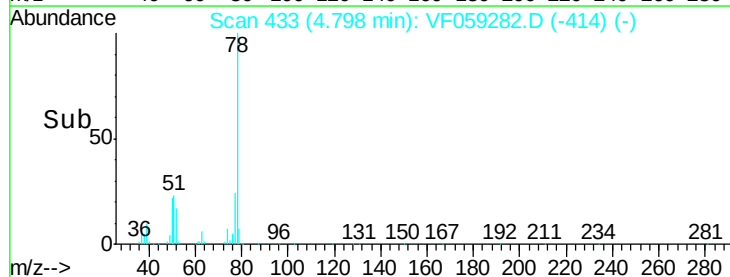
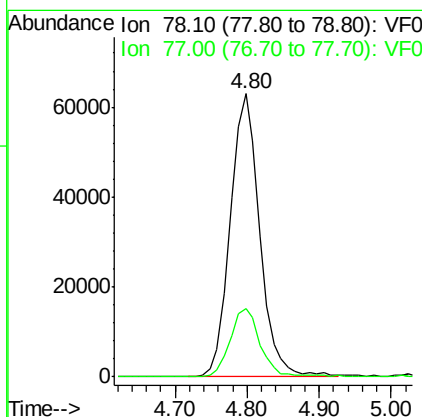
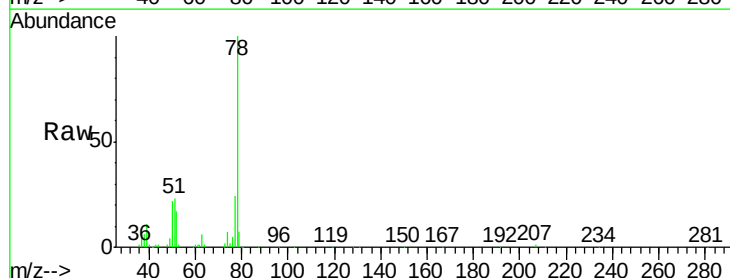
anatel

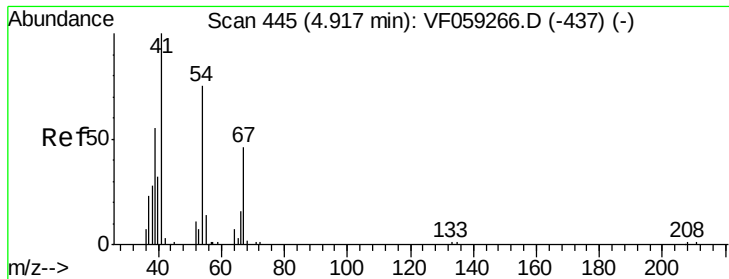
6/24/2018 11:35:12 AM



#40
Benzene
Concen: 21.53 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.4	30.6





#41
Methacrylonitrile
Concen: 19.72 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

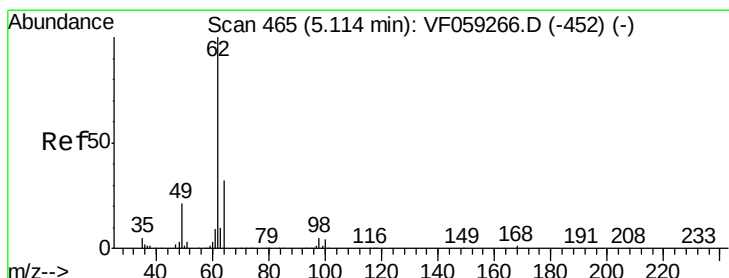
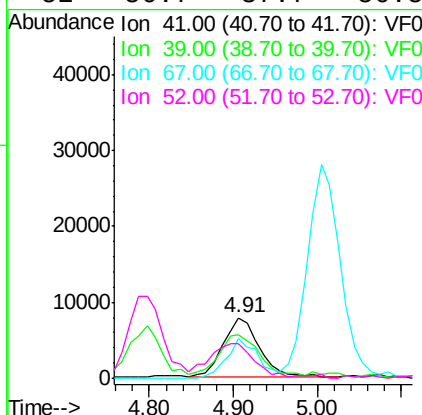
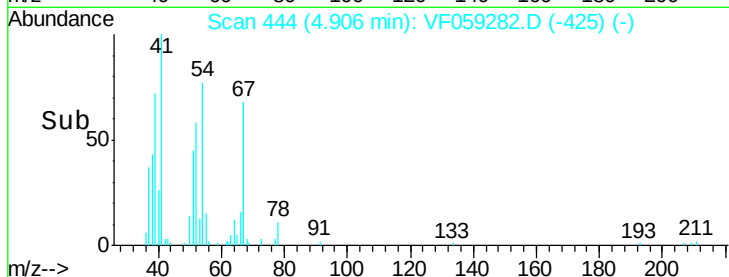
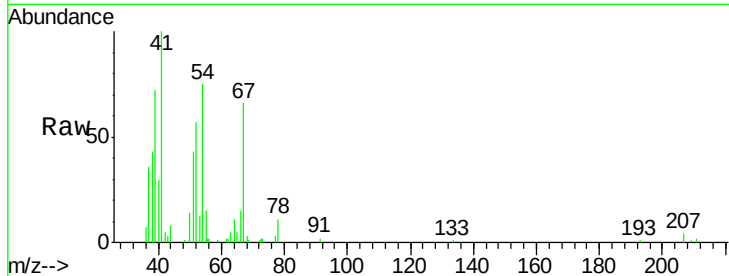
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

Tot Ion	41	Resp	23640
Ion	Ratio	Lower	Upper
41	100		
39	71.9	57.0	85.6
67	66.0	36.8	55.2#
52	56.7	37.7	56.5#

Manual Integrations
APPROVED

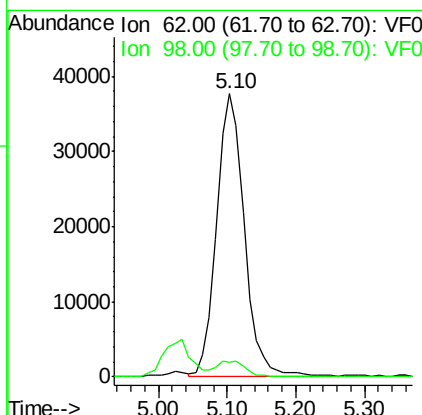
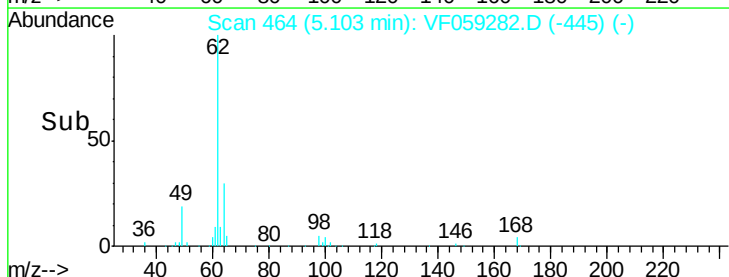
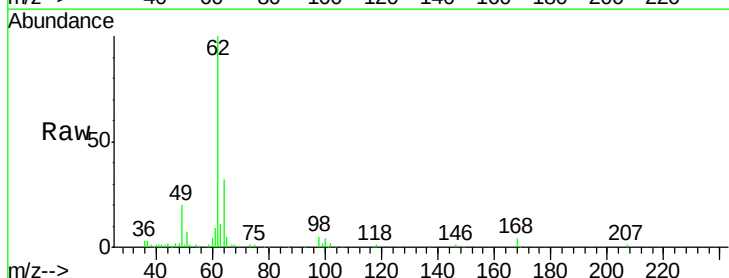
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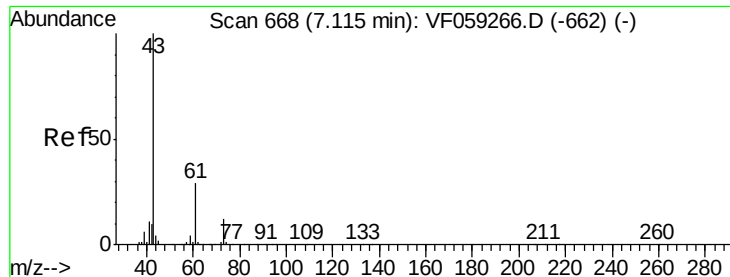
6/24/2018 11:35:12 AM



#42
1,2-Dichloroethane
Concen: 21.68 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	62	Resp	104101
Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	10.4





#43

Isopropyl Acetate

Concen: 21.58 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

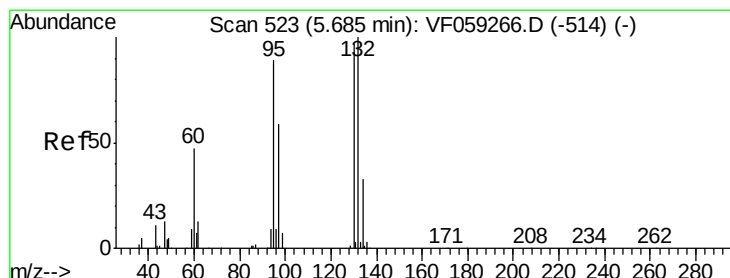
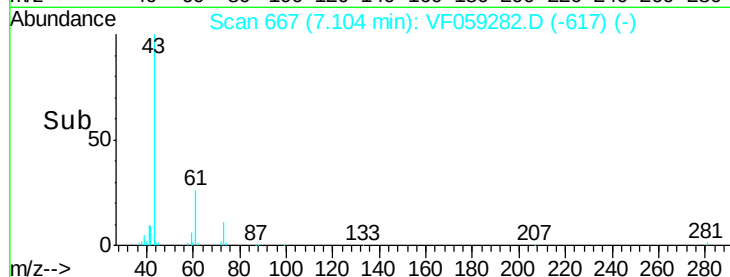
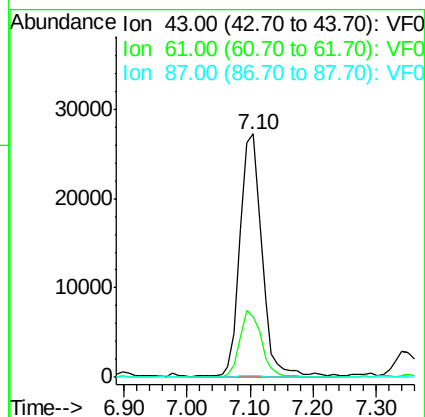
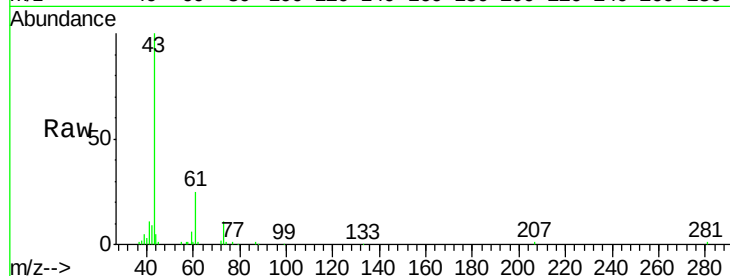
VF0622SBS01

Tot Ion:	43	Resp:	66356
Ion Ratio	Lower	Upper	
43	100		
61	25.1	22.8	34.2
87	0.7	0.3	0.5

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#44

Trichloroethene

Concen: 21.70 ug/l

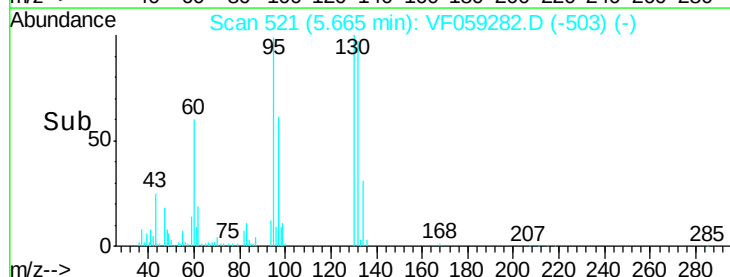
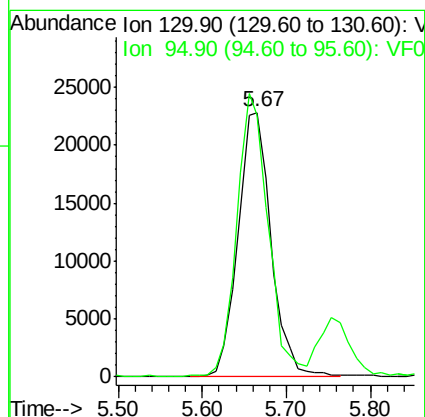
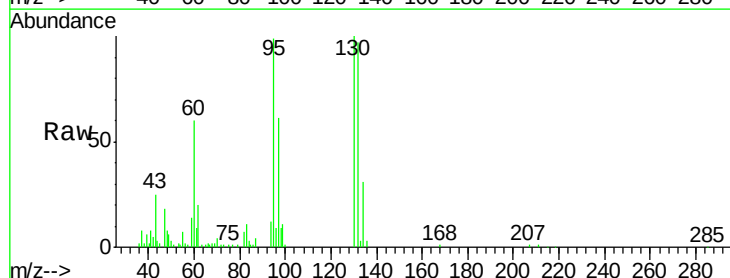
RT: 5.67 min Scan# 521

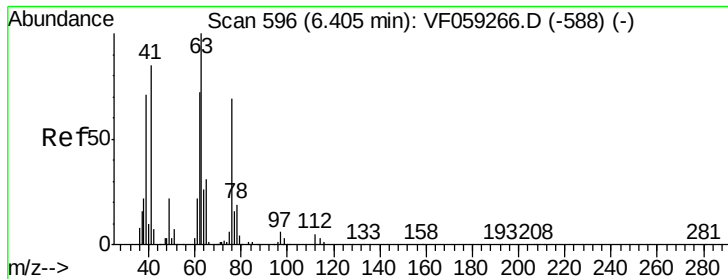
Delta R.T. -0.02 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	130	Resp:	62687
Ion Ratio	Lower	Upper	
130	100		
95	99.1	0.0	183.6





#45
1,2-Dichloropropane
Concen: 21.70 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

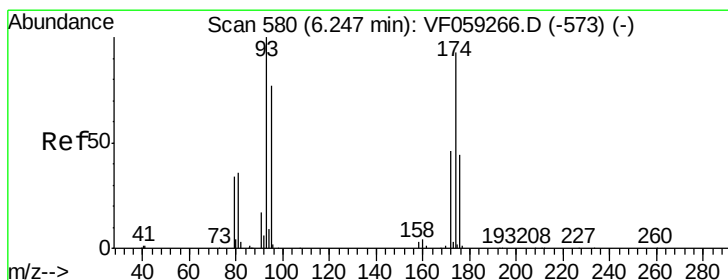
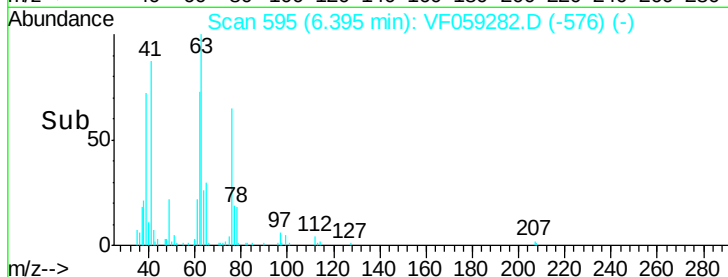
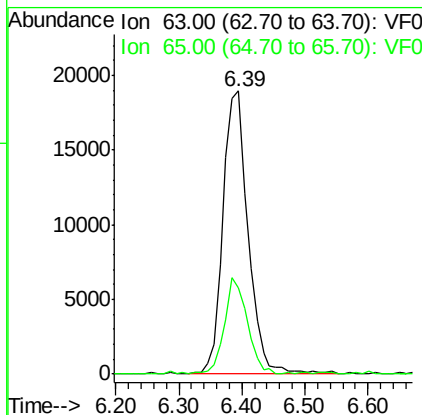
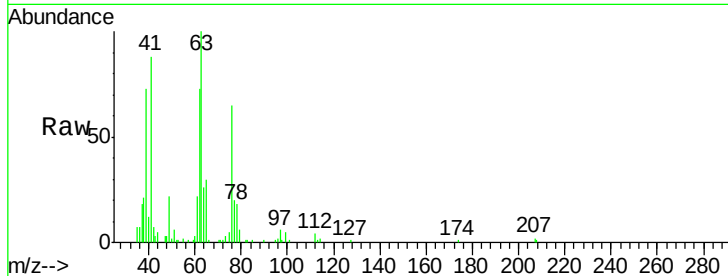
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.3	37.9

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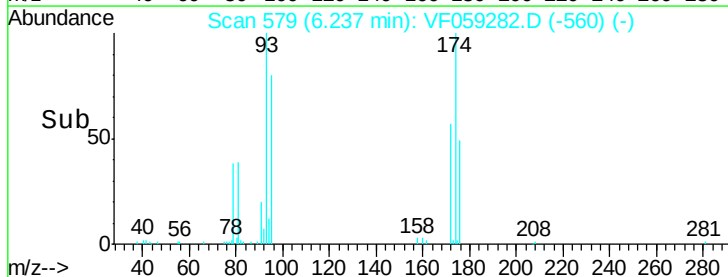
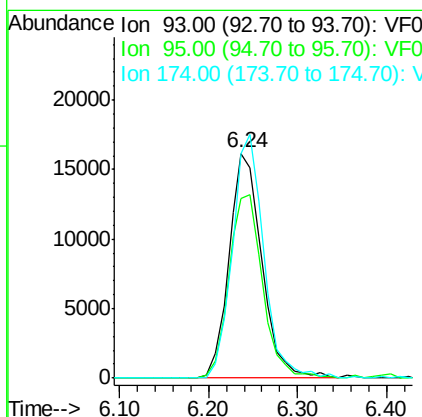
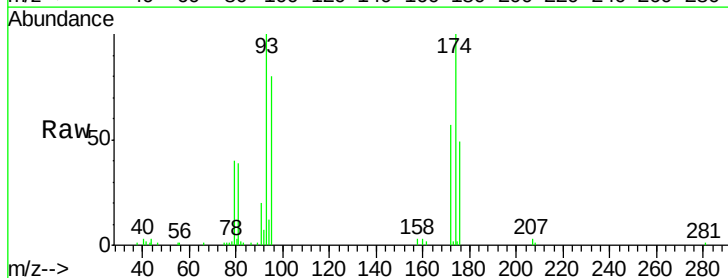
anatel

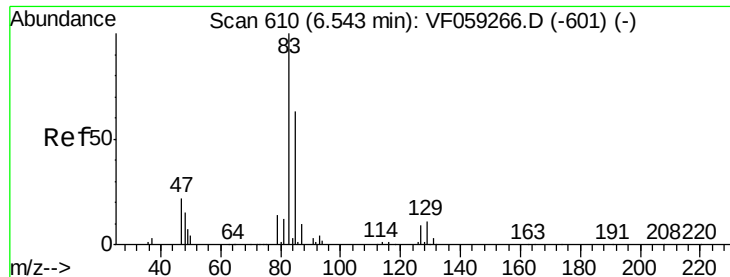
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#46
Dibromomethane
Concen: 20.23 ug/l
RT: 6.24 min Scan# 579
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.0	61.8	92.6
174	101.6	74.4	111.6





#47

Bromodichloromethane

Concen: 21.51 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

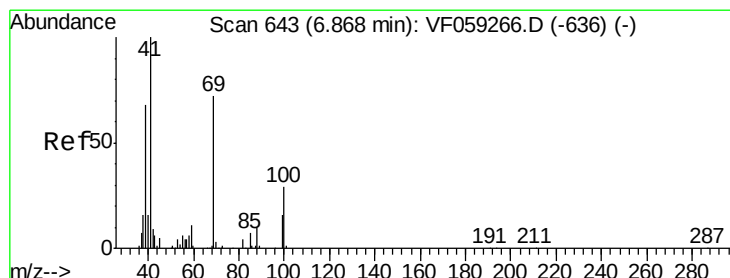
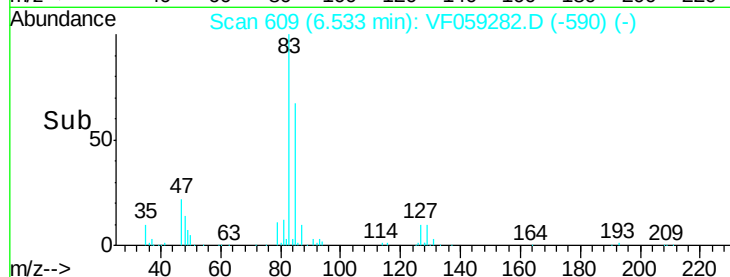
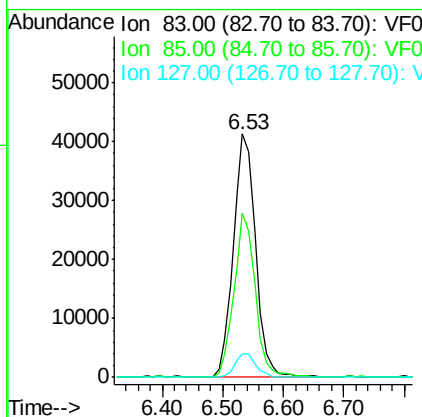
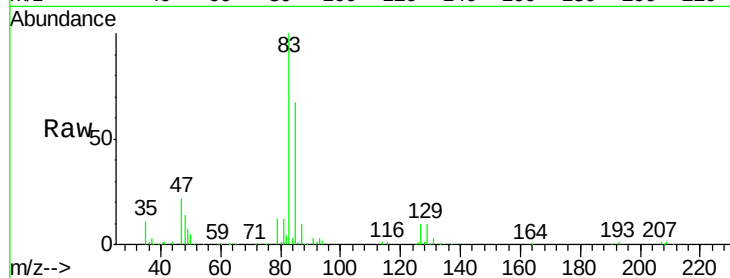
VF0622SBSD01

Tot Ion:	83	Resp:	105692
Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.3	75.5
127	9.8	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.84 ug/l

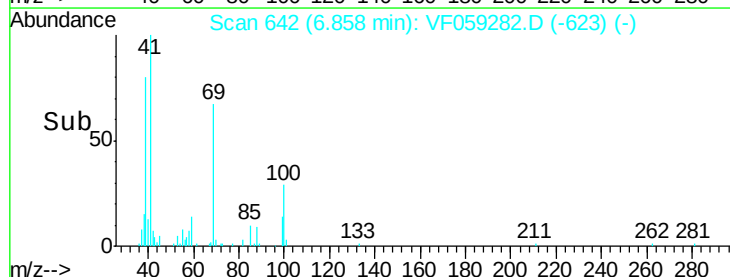
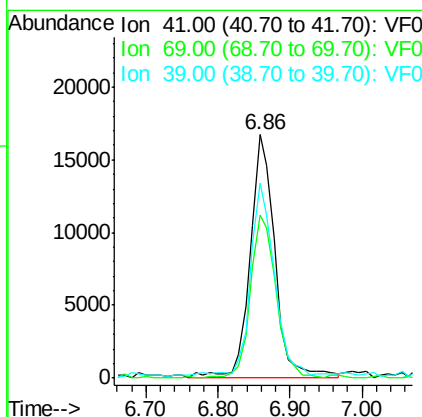
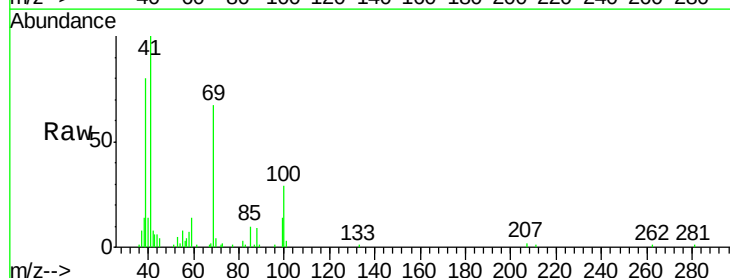
RT: 6.86 min Scan# 642

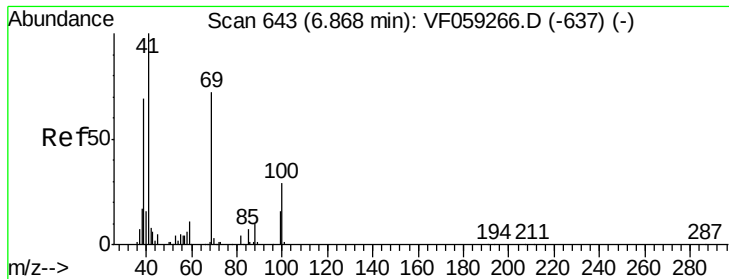
Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	41	Resp:	40567
Ion	Ratio	Lower	Upper
41	100		
69	66.8	57.4	86.2
39	80.1	54.8	82.2





#49

1,4-Dioxane

Concen: 377.81 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

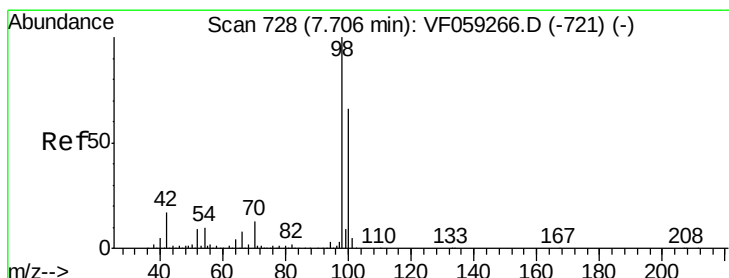
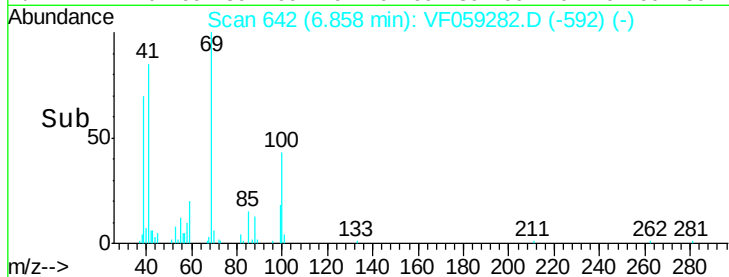
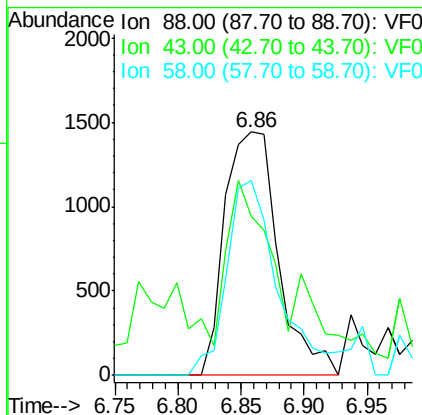
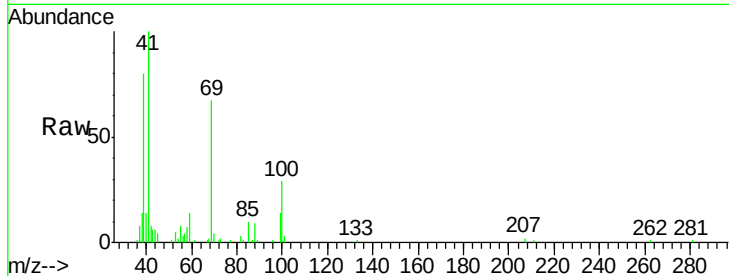
VF0622SBSD01

Tot Ion:	88	Resp:	4266
Ion	Ratio	Lower	Upper
88	100		
43	65.6	55.5	83.3
58	80.0	50.1	75.1#

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#50

Toluene-d8

Concen: 48.11 ug/l

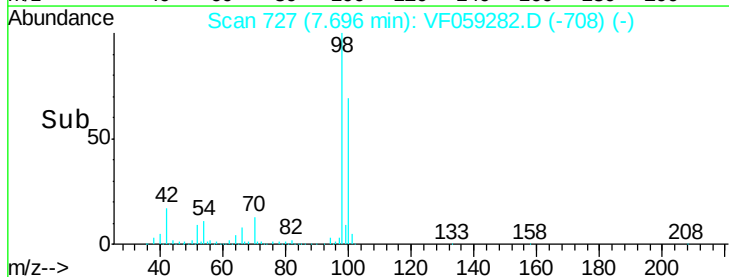
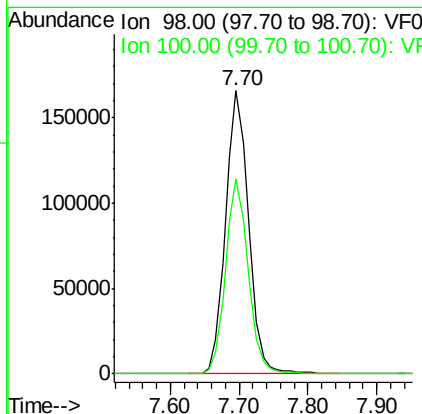
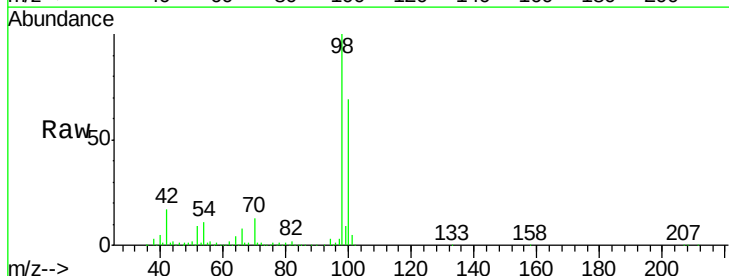
RT: 7.70 min Scan# 727

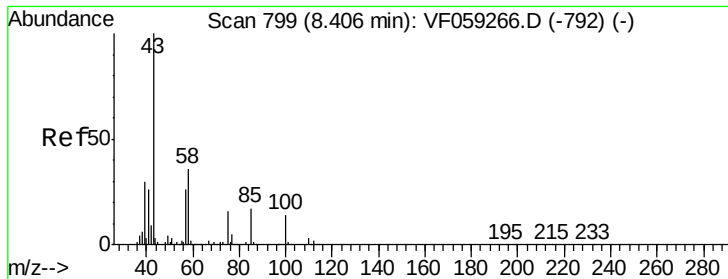
Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	98	Resp:	384791
Ion	Ratio	Lower	Upper
98	100		
100	68.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 107.01 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion: 43 Resp: 234712

Ion Ratio Lower Upper

43 100

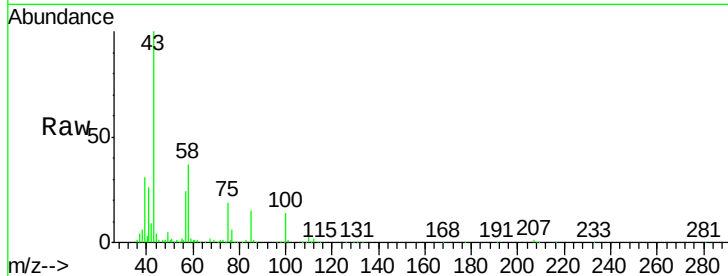
58 37.4 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

120000

100000

80000

60000

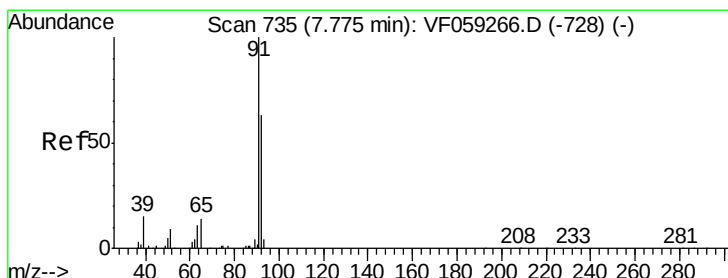
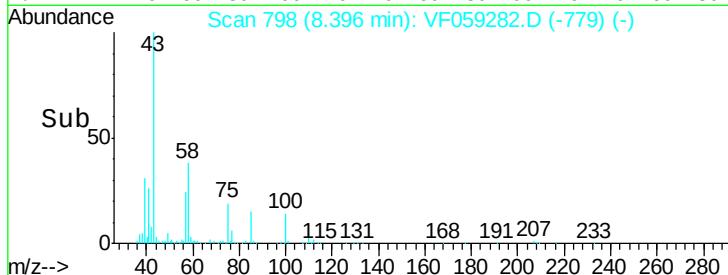
40000

20000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 20.46 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059282.D

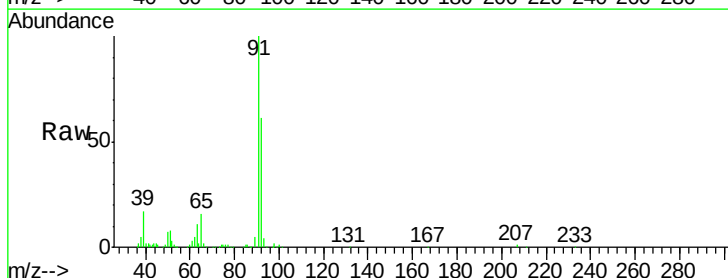
Acq: 22 Jun 2018 19:09

Tgt Ion: 92 Resp: 131597

Ion Ratio Lower Upper

92 100

91 163.2 127.8 191.6



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

100000

80000

60000

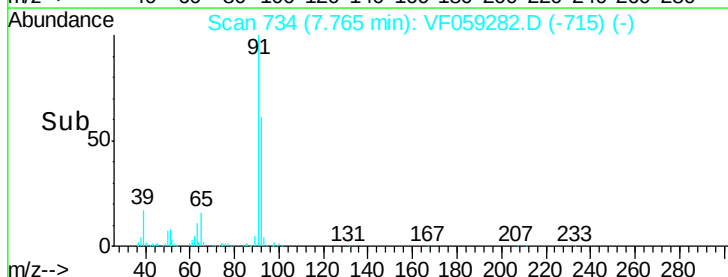
40000

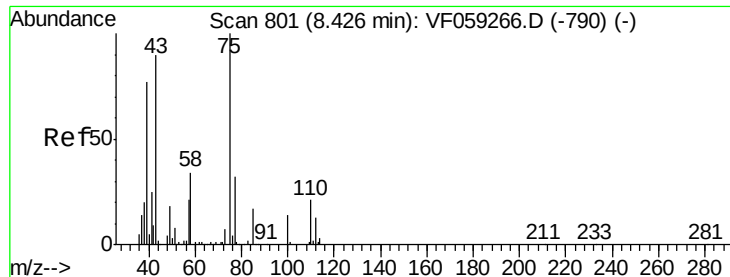
20000

0

7.60 7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.43 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tot Ion: 75 Resp: 94235

Ion Ratio Lower Upper

75 100

77 33.5 26.1 39.1

Instrument :

MSVOA_F

ClientSampleId :

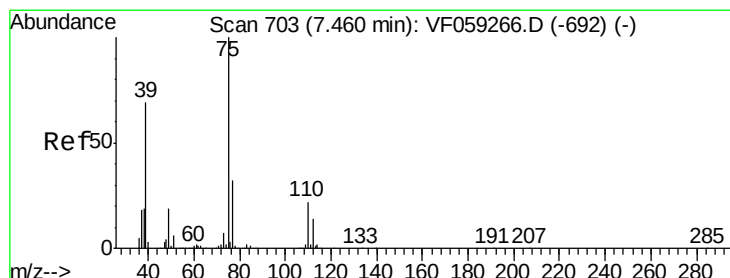
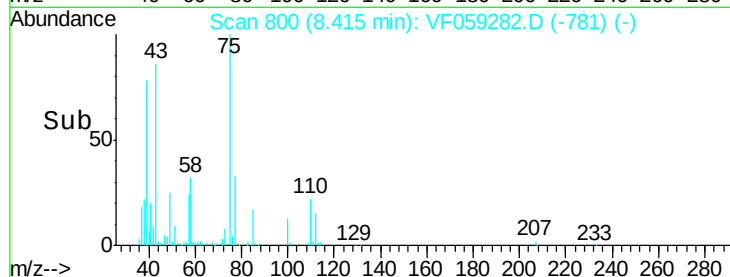
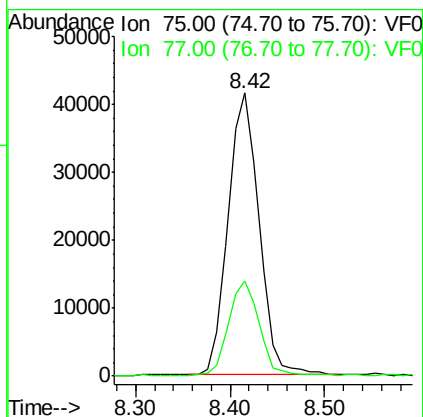
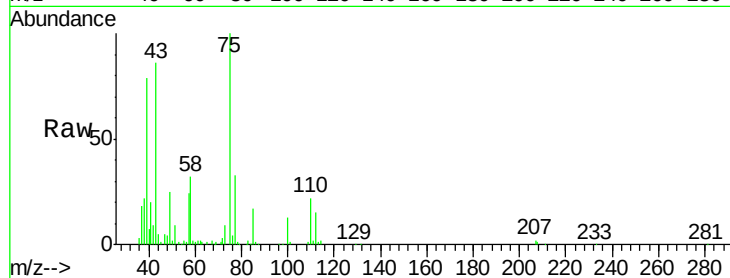
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#54

cis-1,3-Dichloropropene

Concen: 21.39 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

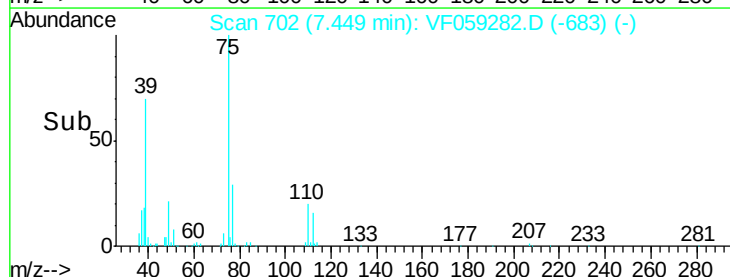
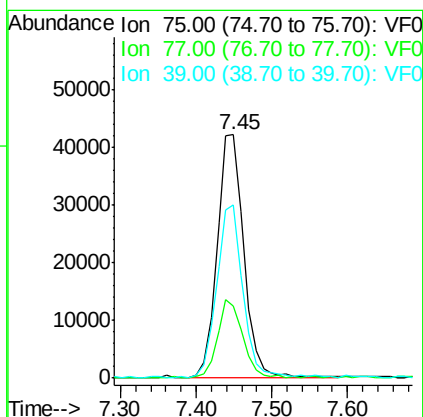
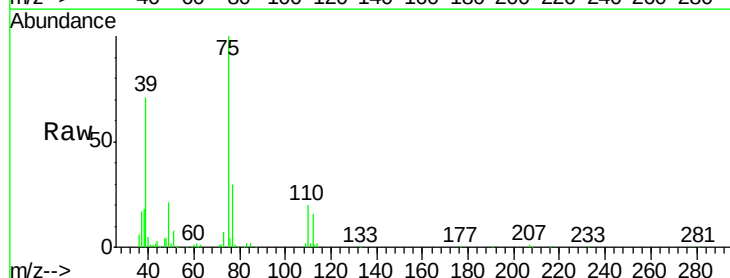
Tgt Ion: 75 Resp: 104191

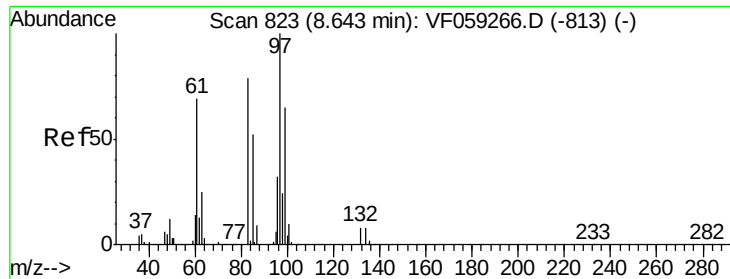
Ion Ratio Lower Upper

75 100

77 29.7 26.0 39.0

39 71.0 55.5 83.3





#55

1,1,2-Trichloroethane

Concen: 20.38 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

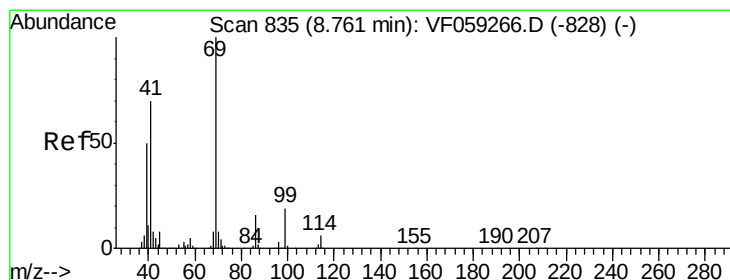
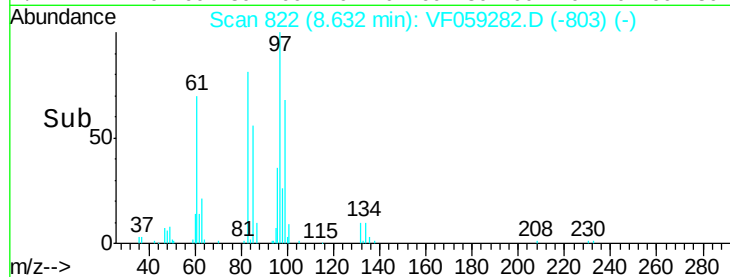
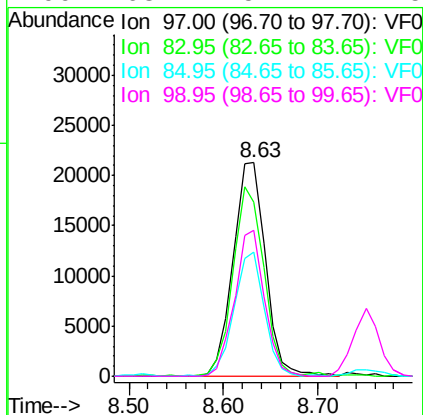
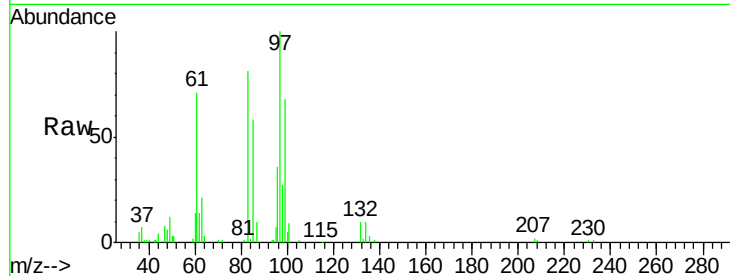
VF0622SBS01

Tot Ion:	97	Resp:	50606
Ion	Ratio	Lower	Upper
97	100		
83	81.4	63.2	94.8
85	58.2	41.8	62.6
99	68.2	51.7	77.5

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#56

Ethyl methacrylate

Concen: 21.63 ug/l

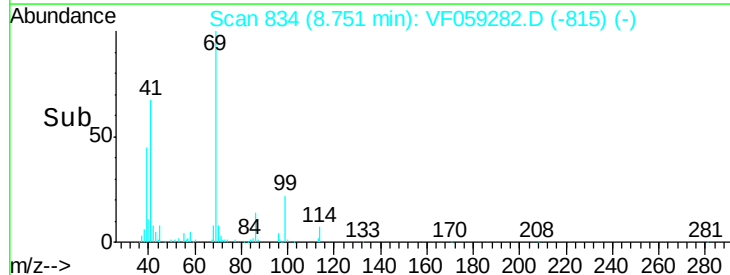
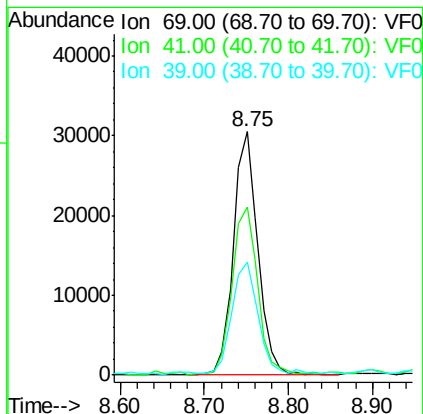
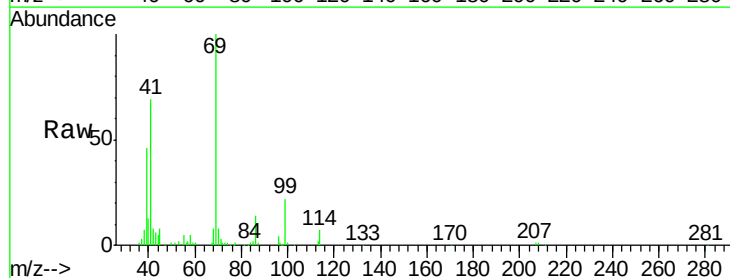
RT: 8.75 min Scan# 834

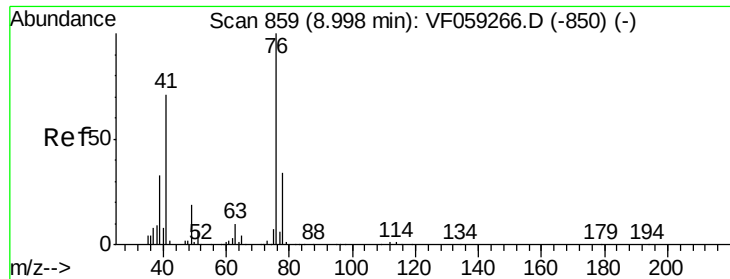
Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	69	Resp:	61415
Ion	Ratio	Lower	Upper
69	100		
41	69.1	56.6	85.0
39	46.3	40.5	60.7





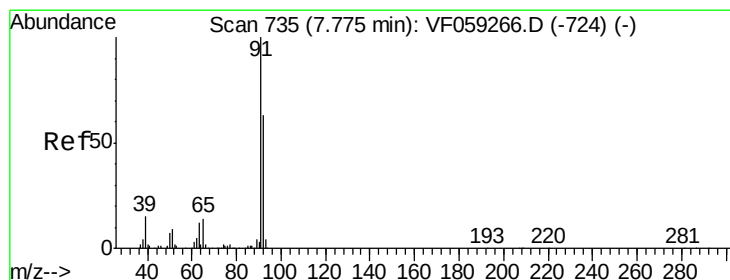
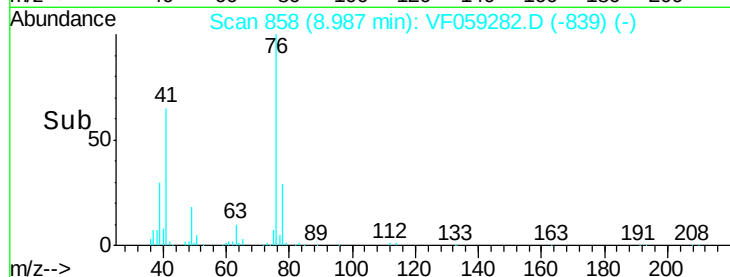
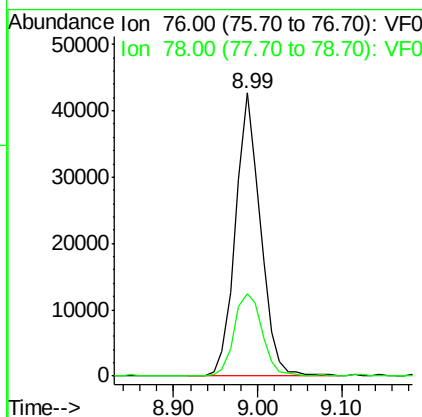
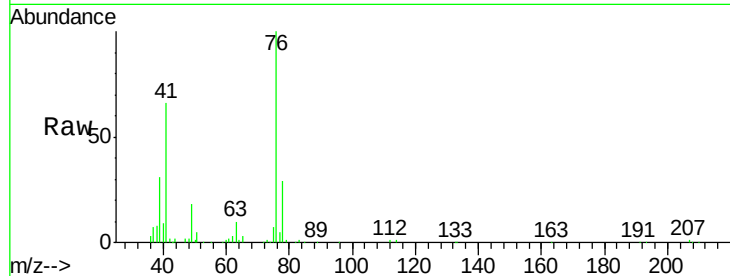
#57
 1,3-Dichloropropane
 Concen: 21.58 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

Tot Ion	76	Resp	88611
Ion Ratio	Lower	Upper	
76	100		
78	29.3	27.5	41.3

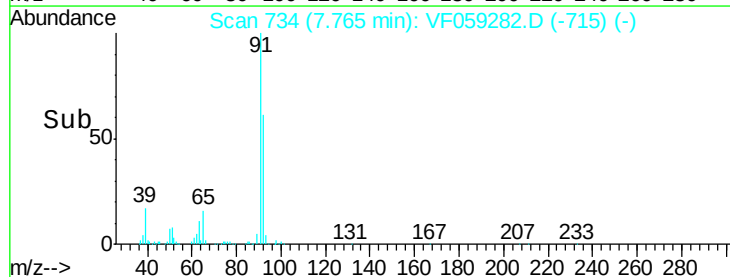
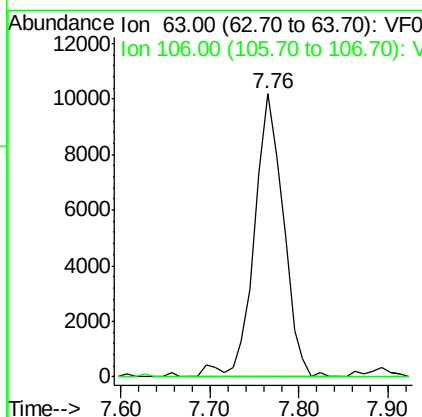
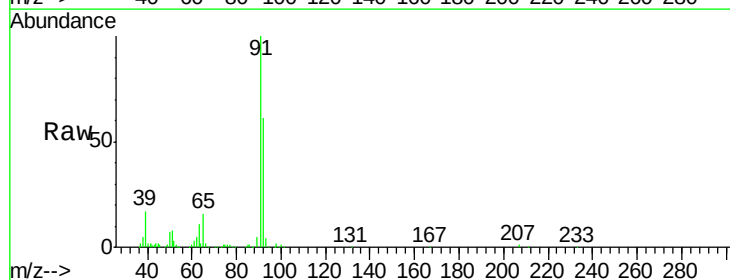
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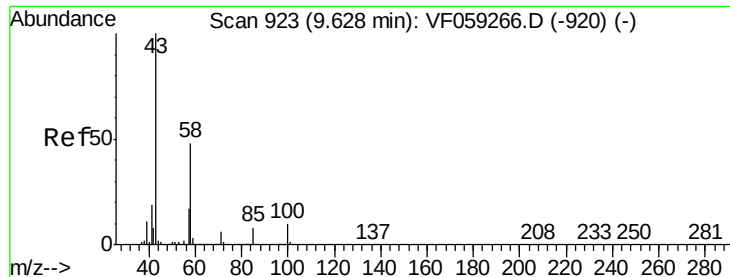
anatel
 6/24/2018 11:35:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.73 ug/l
 RT: 7.76 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion	63	Resp	22869
Ion Ratio	Lower	Upper	
63	100		
106	0.0	0.0	0.0





#59
2-Hexanone
Concen: 115.58 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

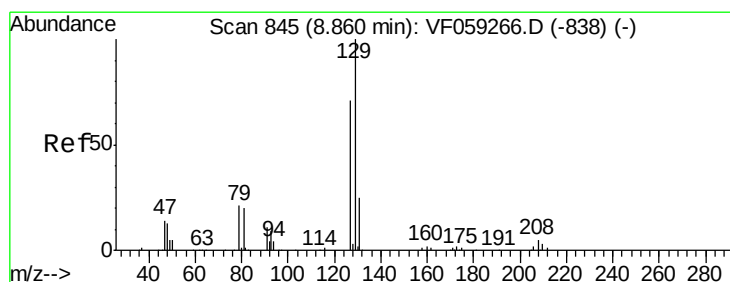
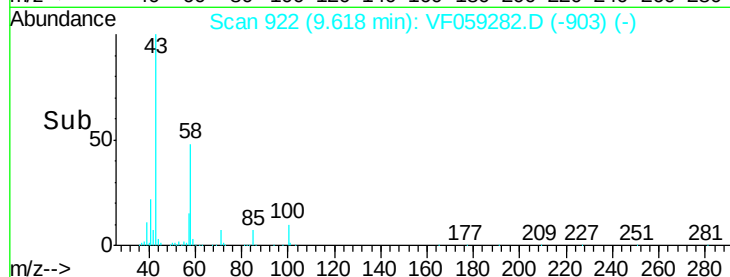
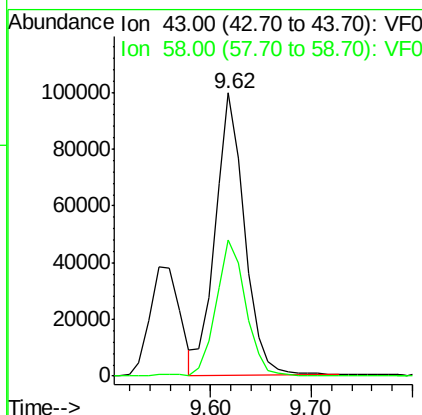
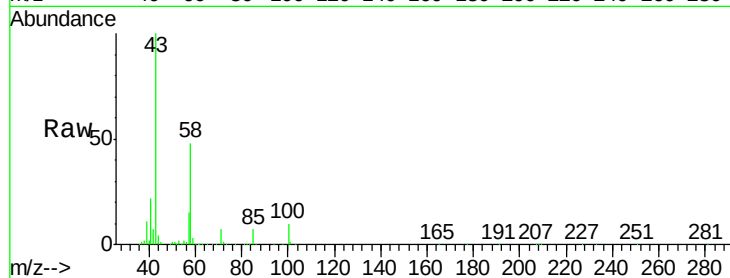
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

Tot Ion: 43 Resp: 200976
Ion Ratio Lower Upper
43 100
58 48.3 23.3 69.9

Manual Integrations
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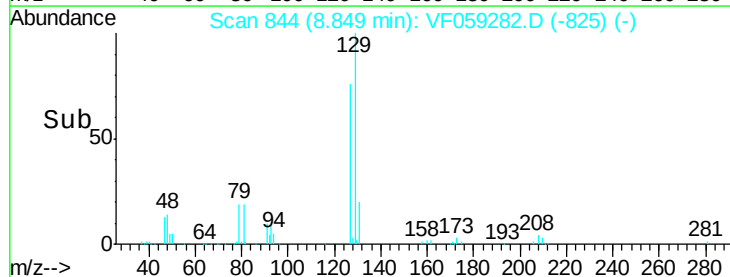
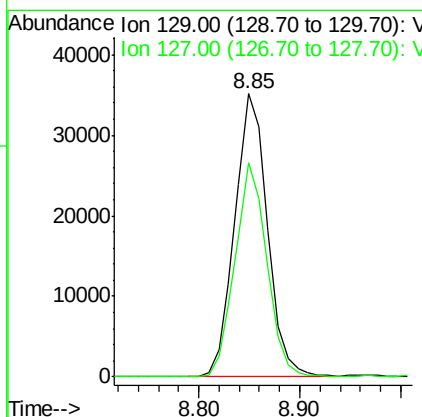
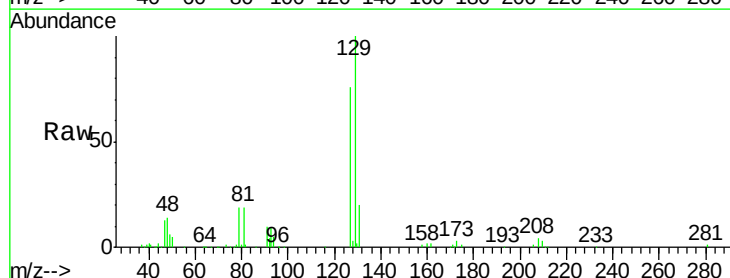
anatel

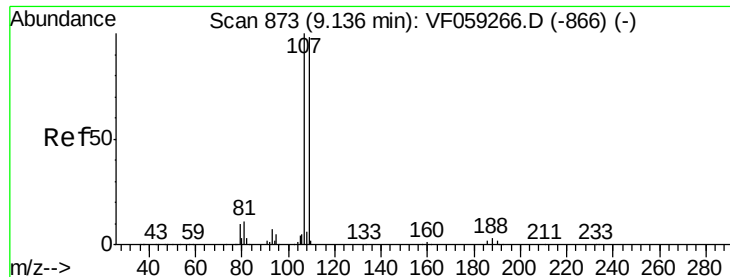
6/24/2018 11:35:12 AM



#60
Dibromochloromethane
Concen: 21.79 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion: 129 Resp: 79597
Ion Ratio Lower Upper
129 100
127 75.8 35.4 106.2





#61

1,2-Dibromoethane

Concen: 21.42 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion: 107 Resp: 61256

Ion Ratio Lower Upper

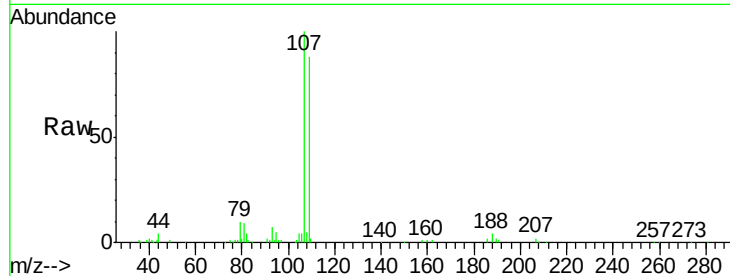
107 100

109 87.9 78.0 117.0

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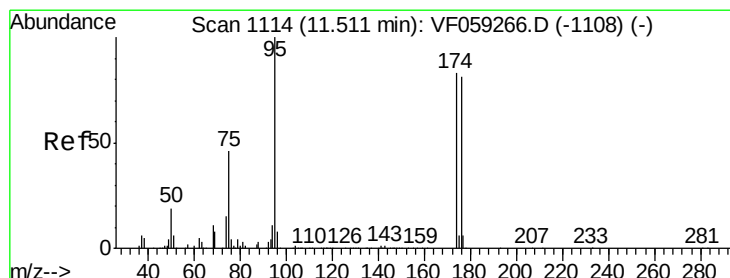
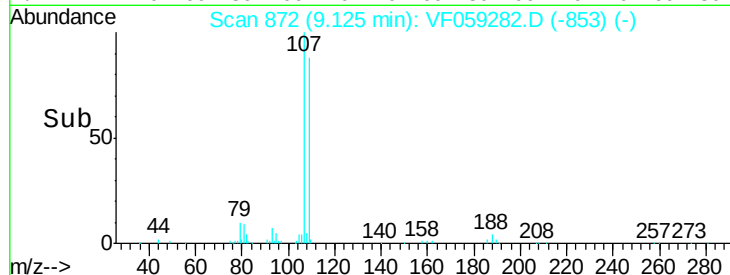
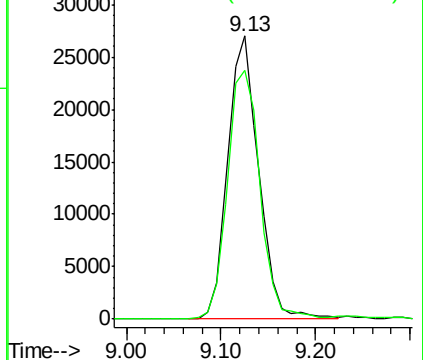
anatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.13 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

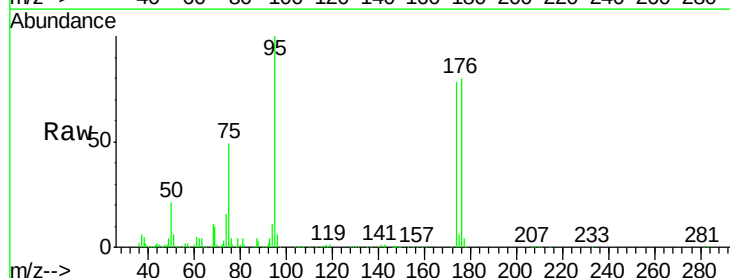
Tgt Ion: 95 Resp: 209061

Ion Ratio Lower Upper

95 100

174 78.2 0.0 166.2

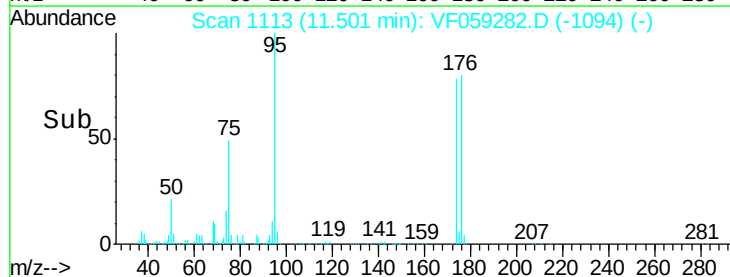
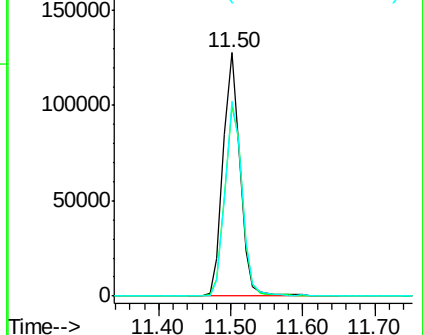
176 80.2 0.0 162.8

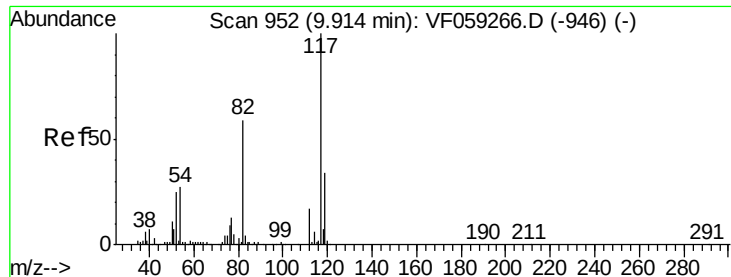


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

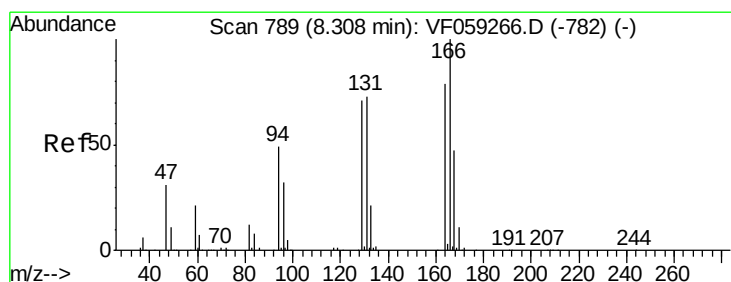
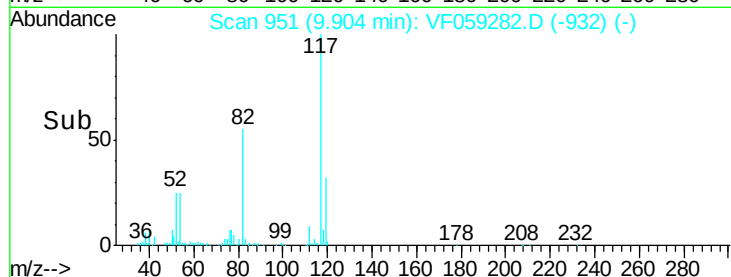
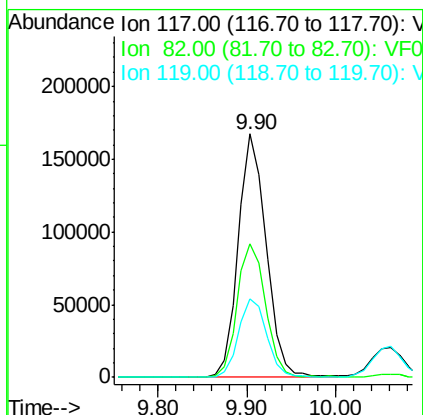
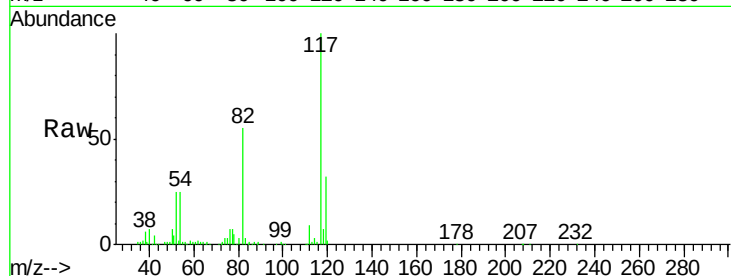
VF0622SBSD01

Tot Ion:	117	Resp:	367292
Ion Ratio	Lower	Upper	
117	100		
82	54.8	47.1	70.7
119	32.4	26.9	40.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 22.20 ug/l

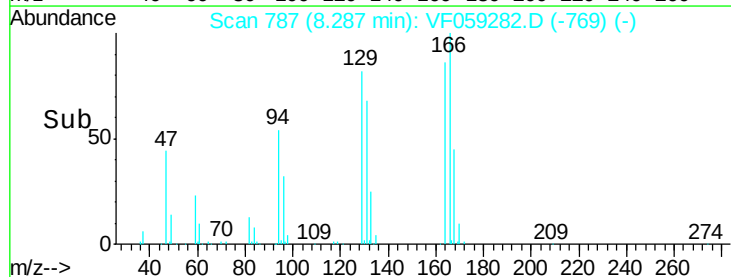
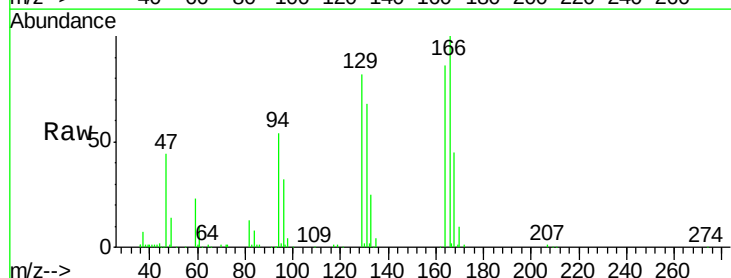
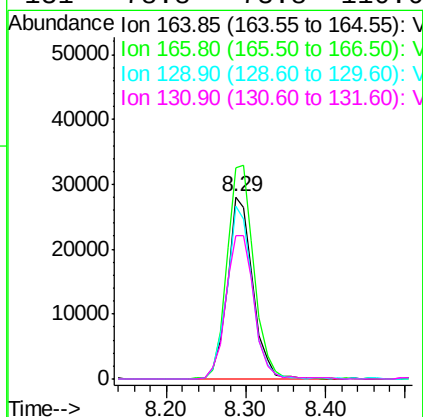
RT: 8.29 min Scan# 787

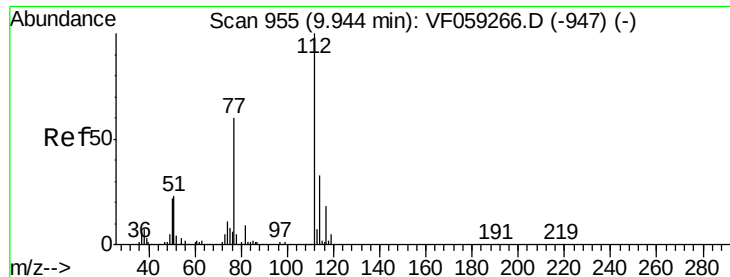
Delta R.T. -0.02 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	164	Resp:	62609
Ion Ratio	Lower	Upper	
164	100		
166	116.1	101.4	152.2
129	94.8	72.2	108.4
131	78.8	73.8	110.6





#65

Chlorobenzene

Concen: 21.30 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion:112 Resp: 166485

Ion Ratio Lower Upper

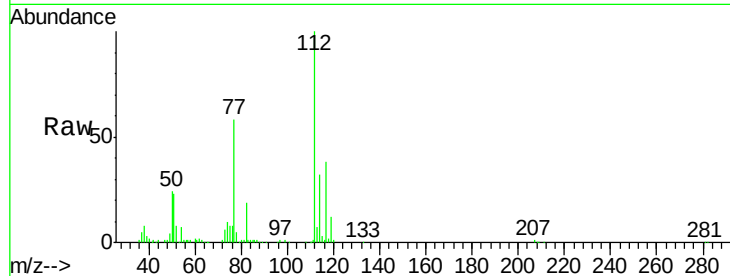
112 100

114 32.1 26.4 39.6

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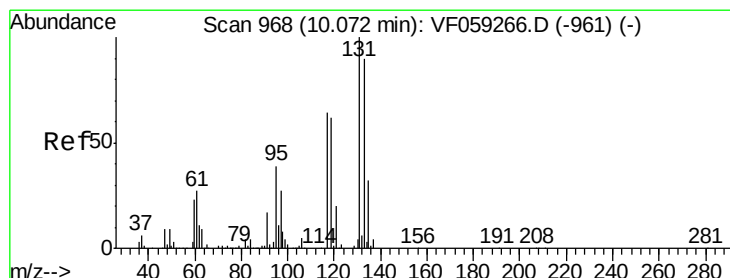
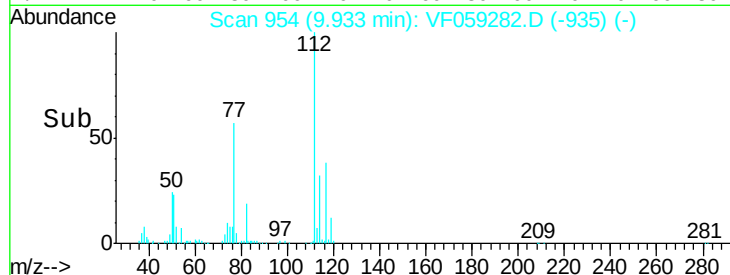
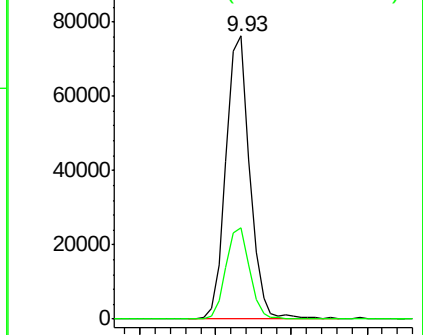
anatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.37 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

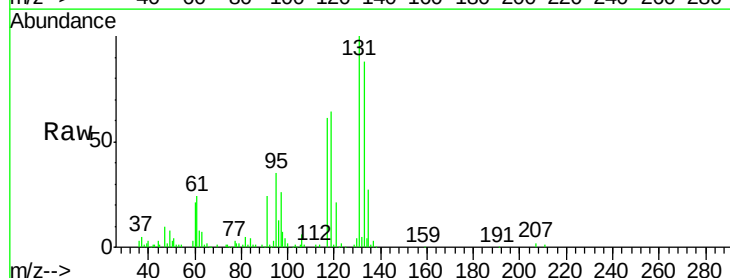
Tgt Ion:131 Resp: 72845

Ion Ratio Lower Upper

131 100

133 87.6 45.1 135.2

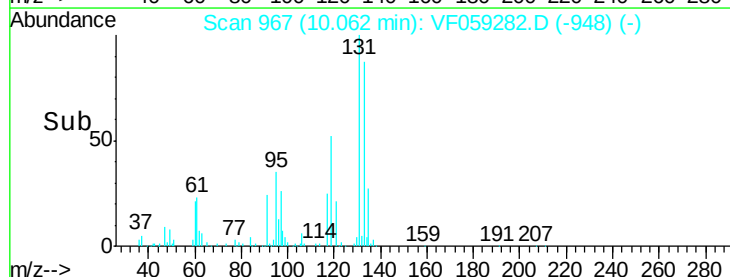
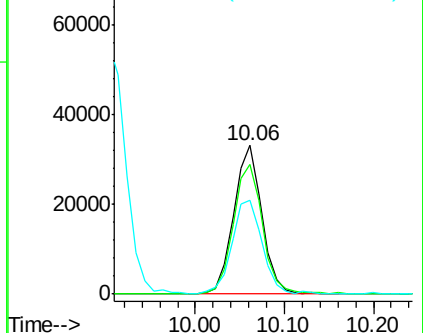
119 63.5 31.2 93.6

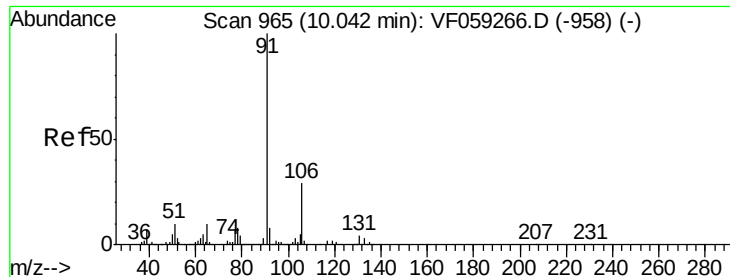


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.10 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion: 91 Resp: 279904

Ion Ratio Lower Upper

91 100

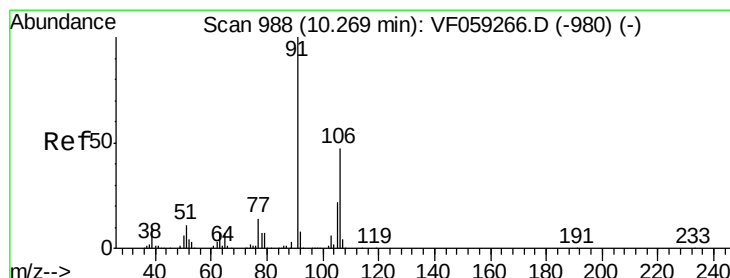
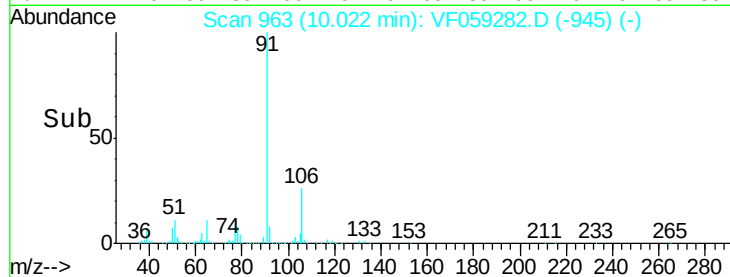
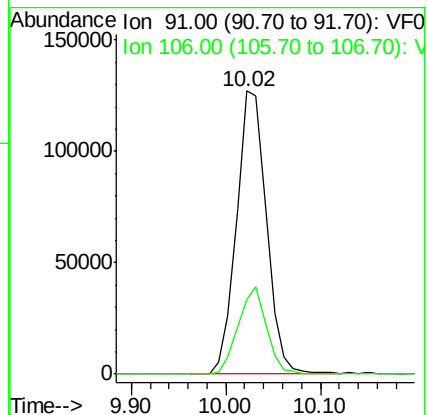
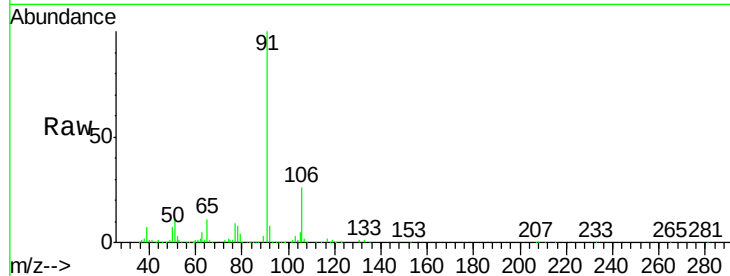
106 26.3 23.4 35.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 44.13 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059282.D

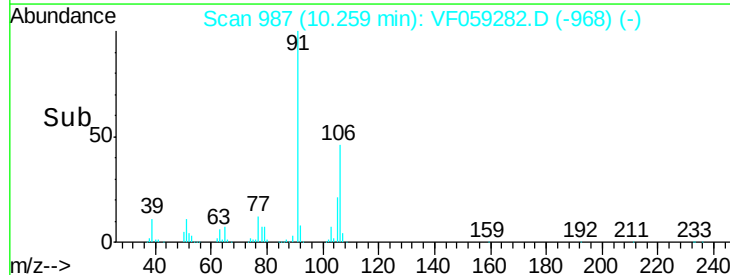
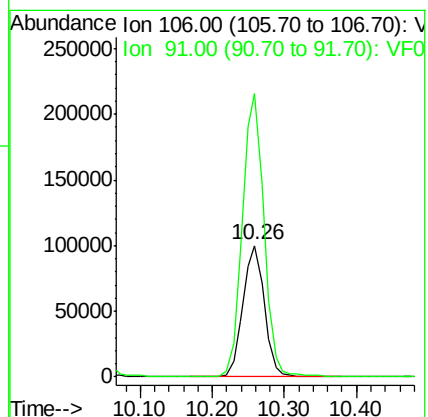
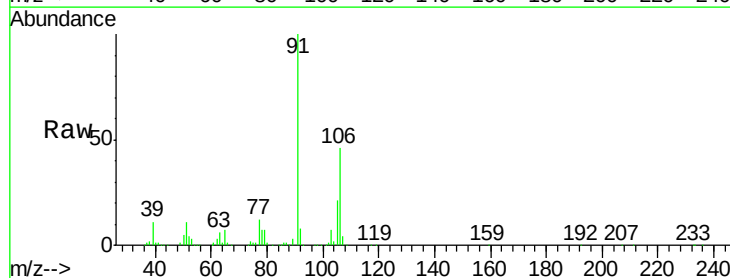
Acq: 22 Jun 2018 19:09

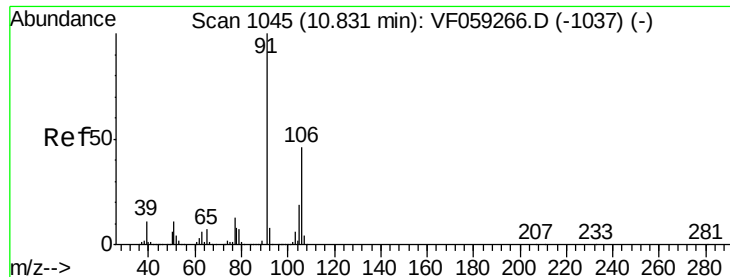
Tgt Ion: 106 Resp: 210444

Ion Ratio Lower Upper

106 100

91 215.3 168.8 253.2





#69
o-Xylene
Concen: 22.33 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

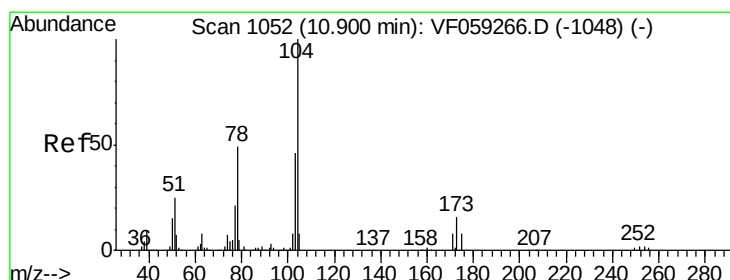
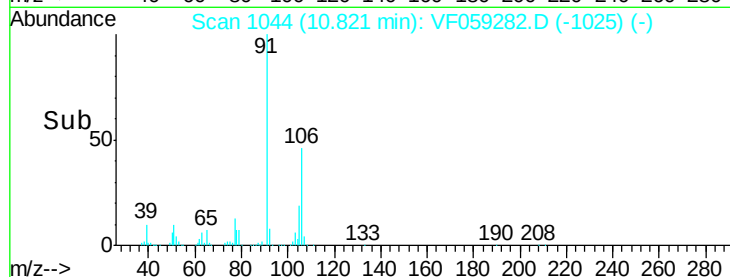
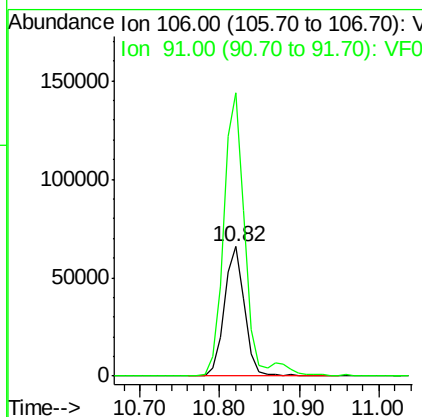
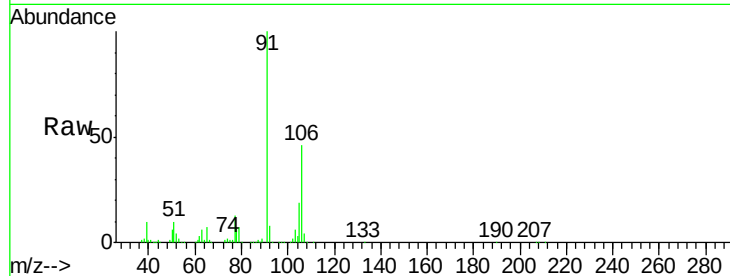
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

Tot Ion:106 Resp: 117613
Ion Ratio Lower Upper
106 100
91 218.7 109.1 327.4

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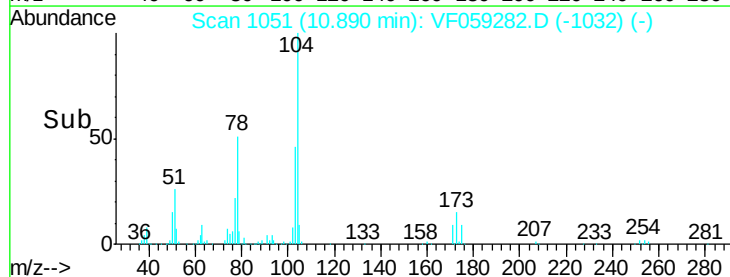
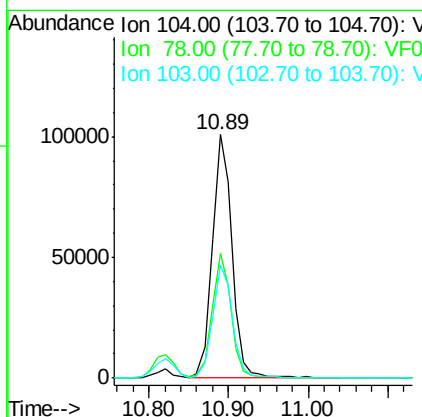
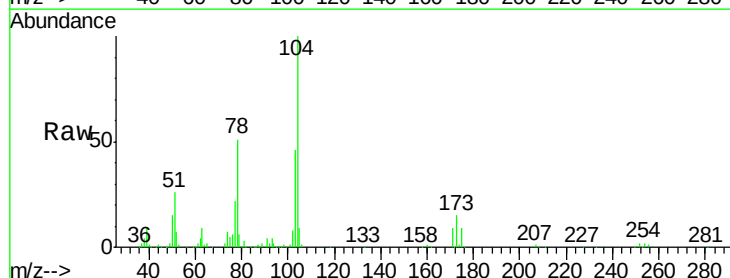
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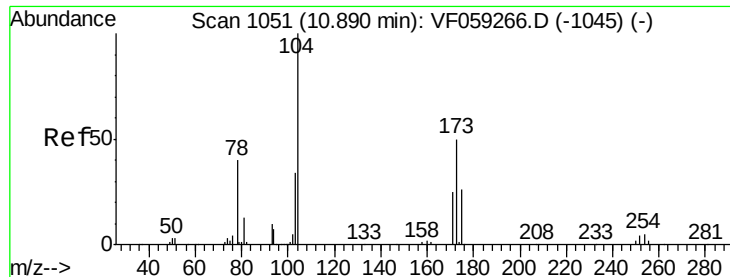
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#70
Styrene
Concen: 22.07 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion:104 Resp: 175237
Ion Ratio Lower Upper
104 100
78 51.4 39.3 58.9
103 46.4 36.6 55.0





#71

Bromoform

Concen: 19.93 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion:173 Resp: 46284

Ion Ratio Lower Upper

173 100

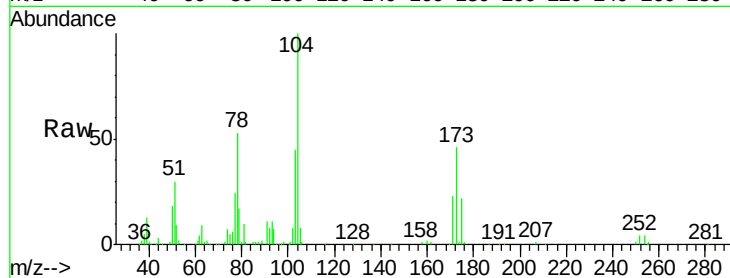
175 48.4 25.4 76.4

254 0.0 0.0 0.0

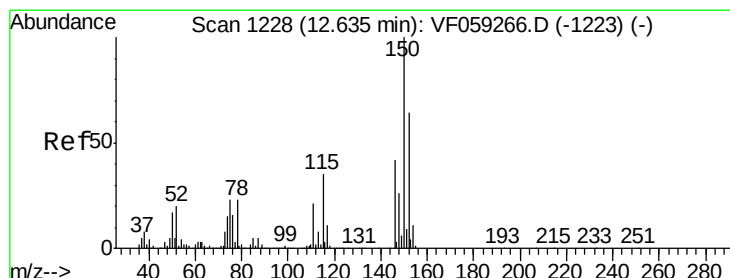
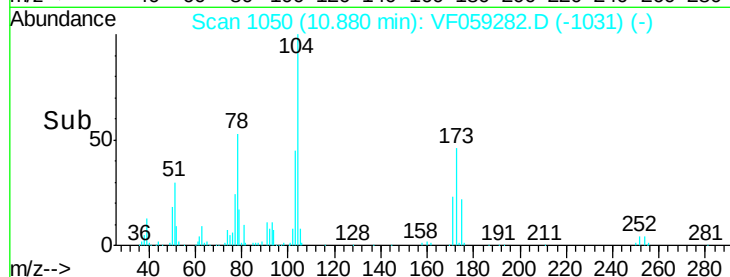
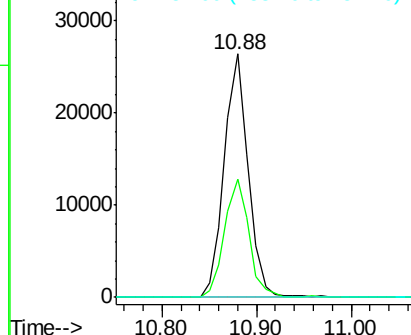
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

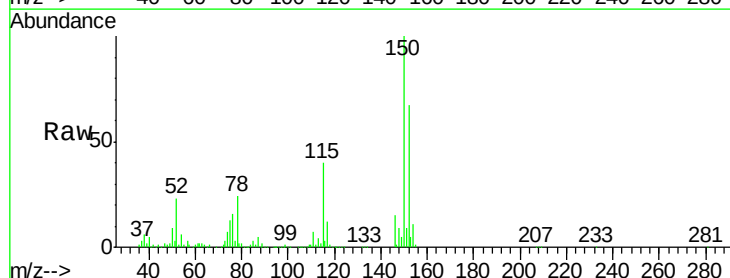
Tgt Ion:152 Resp: 235993

Ion Ratio Lower Upper

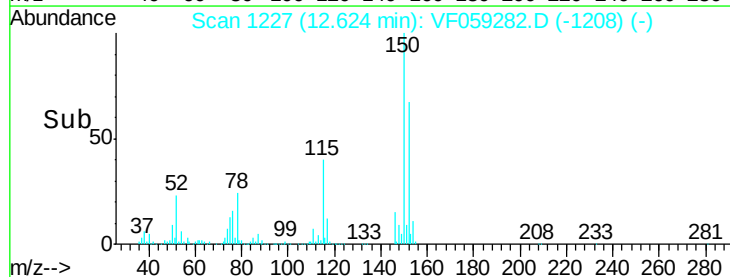
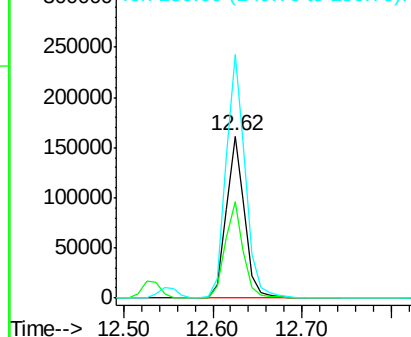
152 100

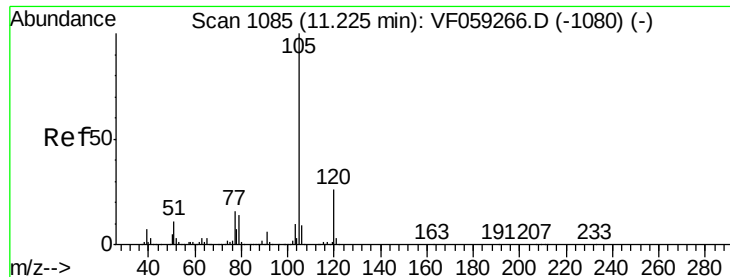
115 59.7 27.8 83.3

150 150.2 0.0 313.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.81 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion:105 Resp: 354484

Ion Ratio Lower Upper

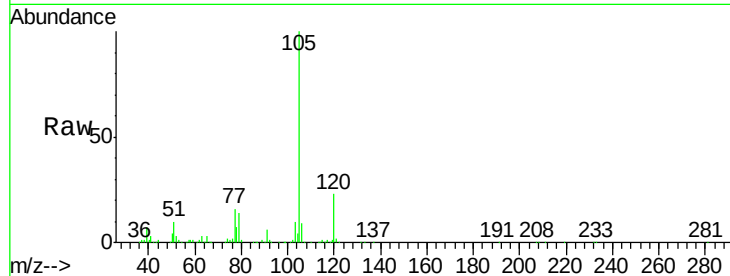
105 100

120 23.1 12.9 38.7

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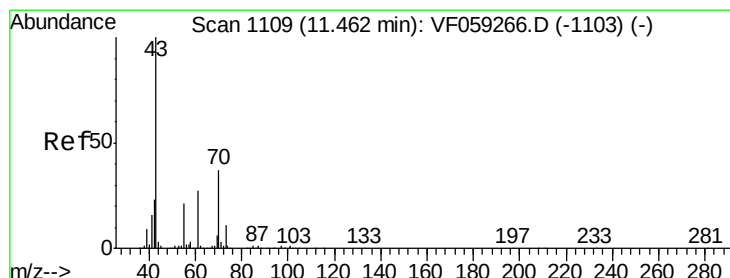
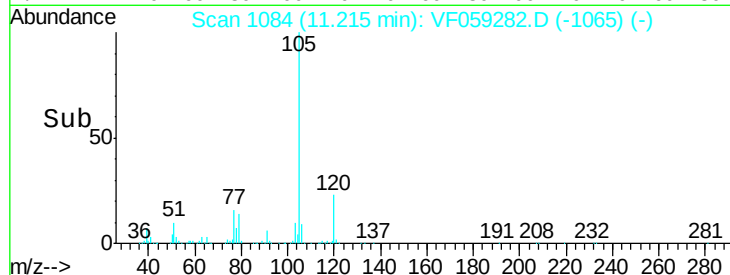
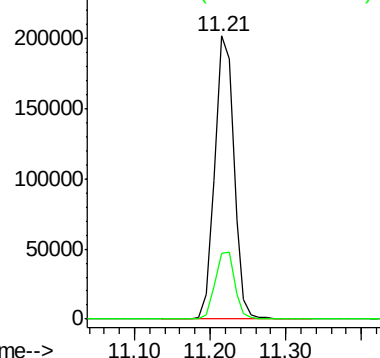
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.85 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion: 43 Resp: 121311

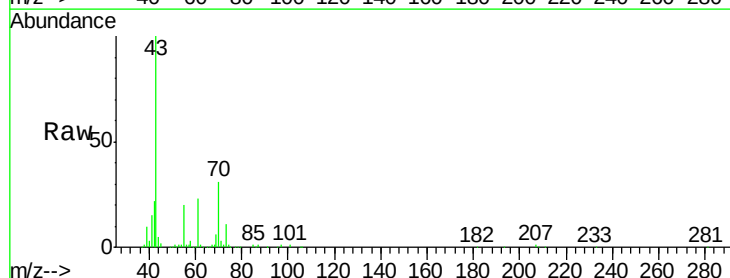
Ion Ratio Lower Upper

43 100

70 30.9 29.6 44.4

55 19.6 17.0 25.4

61 22.8 21.4 32.2

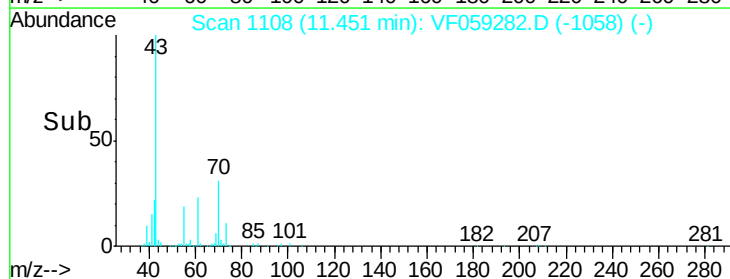
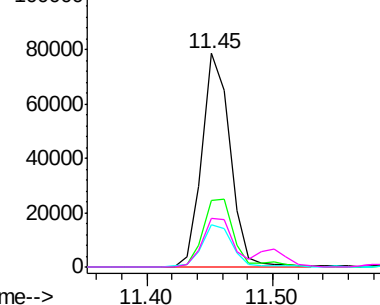


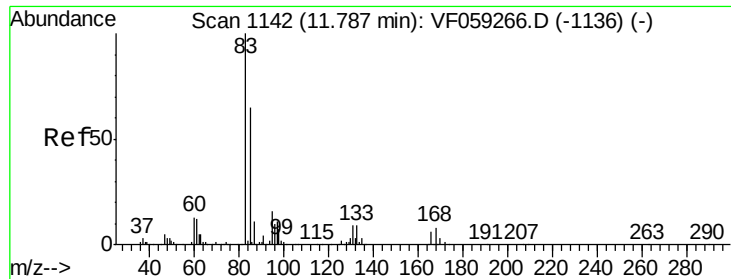
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 20.89 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

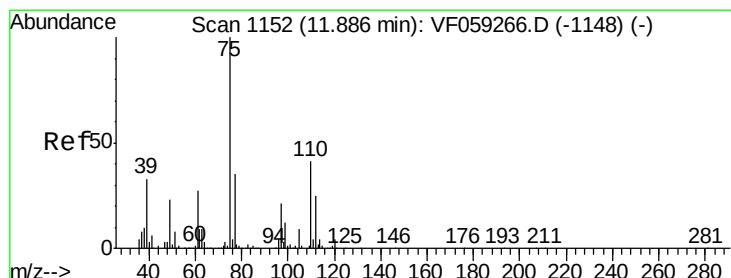
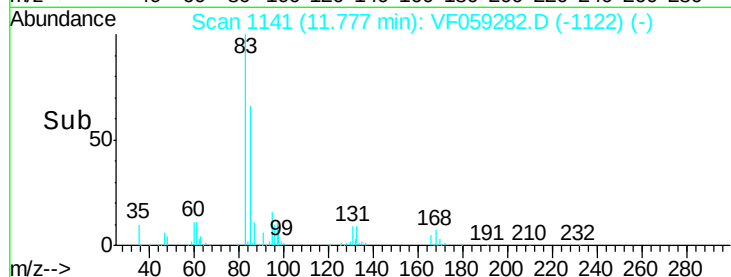
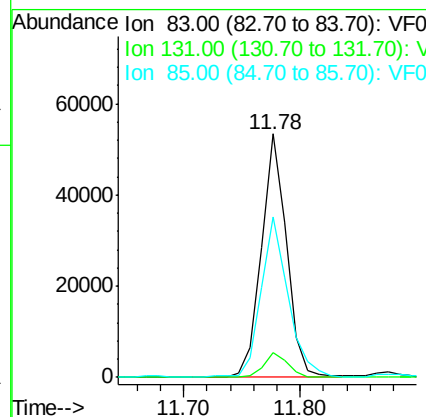
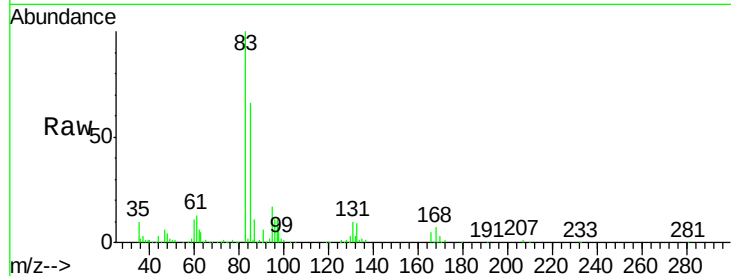
VF0622SBS01

Tot Ion:	83	Resp:	79698
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.3
85	65.7	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 22.13 ug/l

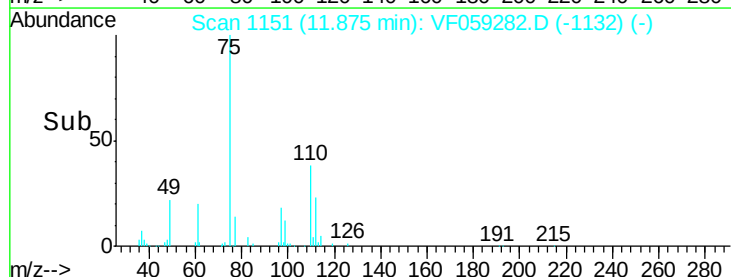
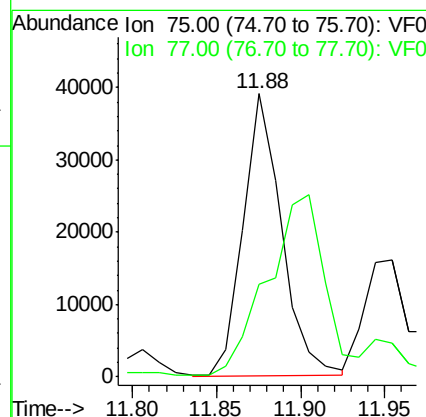
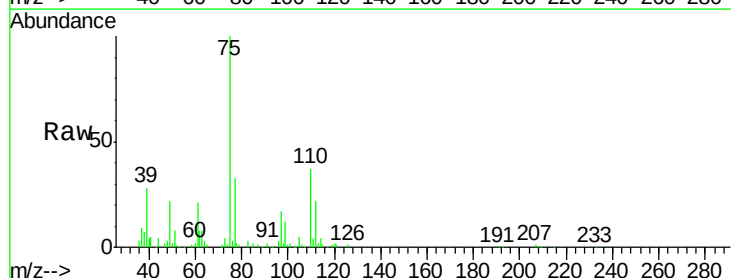
RT: 11.88 min Scan# 1151

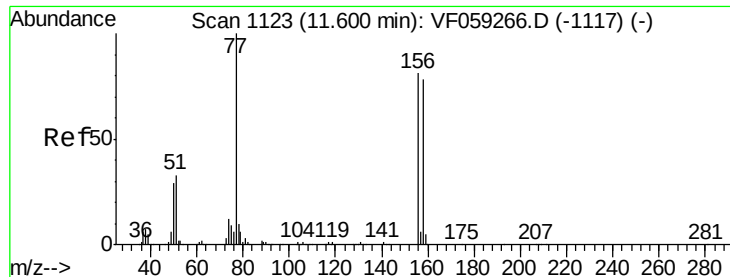
Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:	75	Resp:	61818
Ion Ratio	Lower	Upper	
75	100		
77	32.7	17.4	52.2





#77
Bromobenzene
Concen: 21.16 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

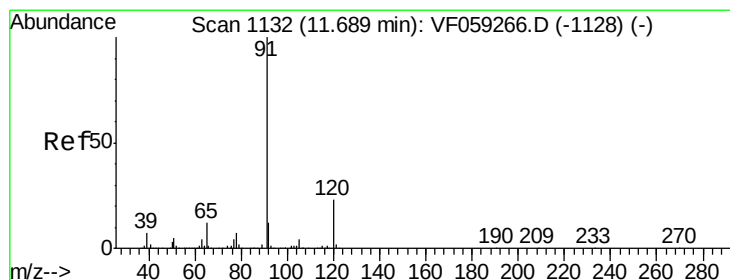
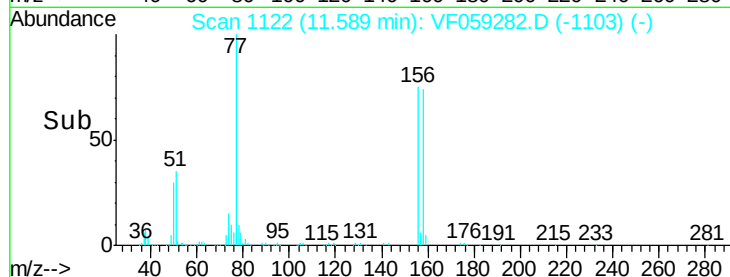
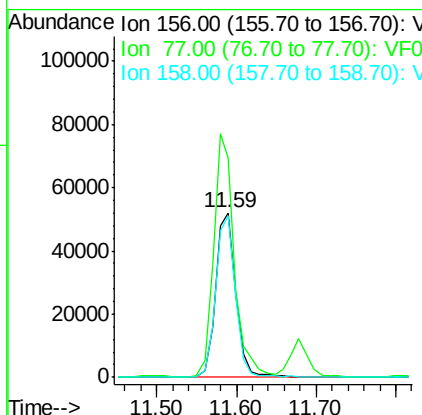
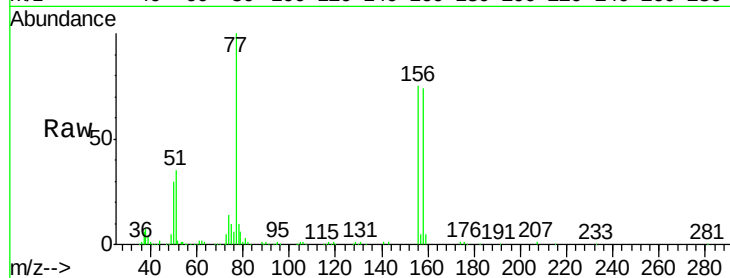
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

Tot Ion:156 Resp: 92950
Ion Ratio Lower Upper
156 100
77 132.9 61.7 185.0
158 98.3 48.2 144.6

Manual Integrations
APPROVED

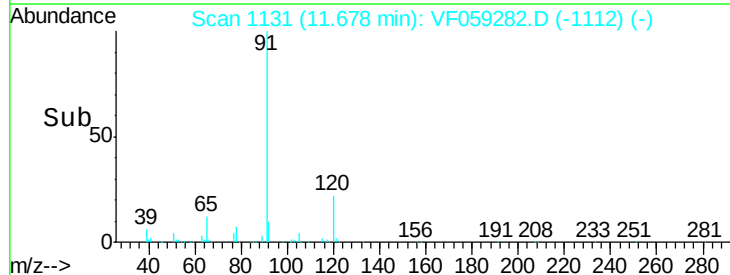
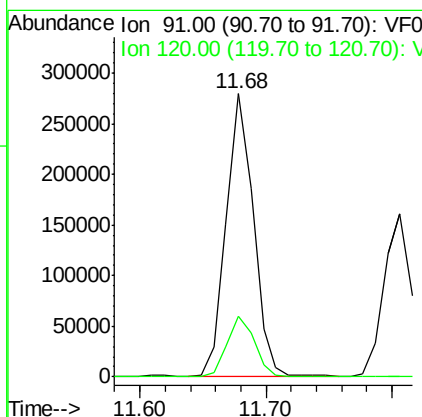
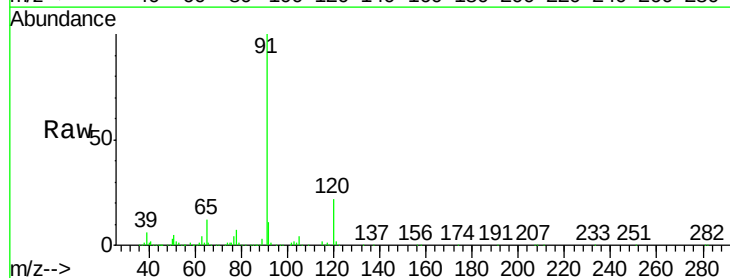
anatel

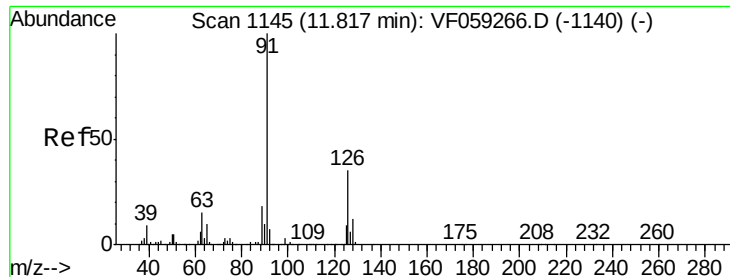
6/24/2018 11:35:12 AM



#78
n-propylbenzene
Concen: 21.81 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion: 91 Resp: 419552
Ion Ratio Lower Upper
91 100
120 21.5 11.5 34.5





#79

2-Chlorotoluene

Concen: 21.49 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion: 91 Resp: 247846

Ion Ratio Lower Upper

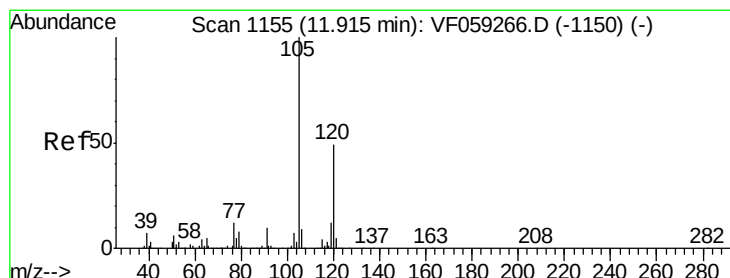
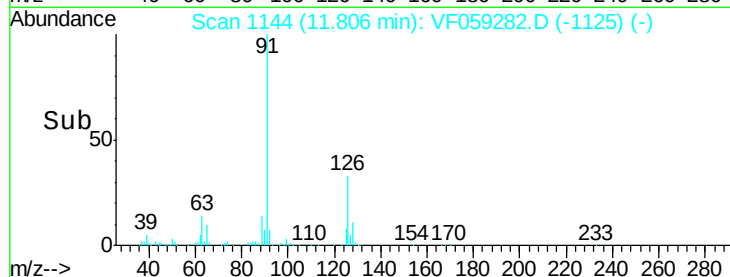
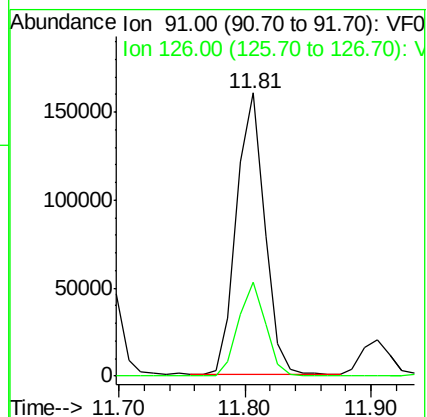
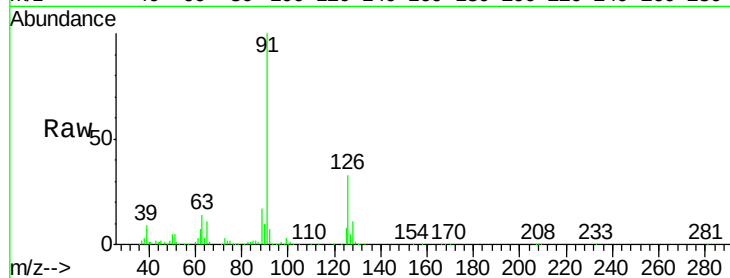
91 100

126 33.0 17.5 52.5

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 22.03 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059282.D

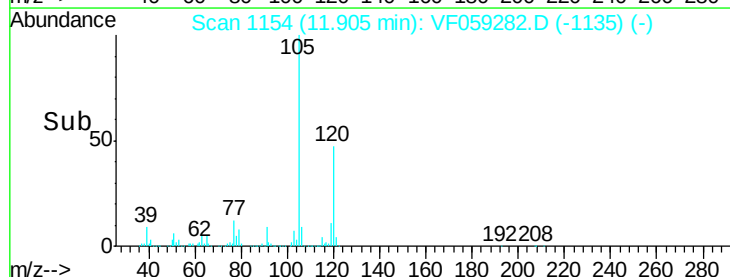
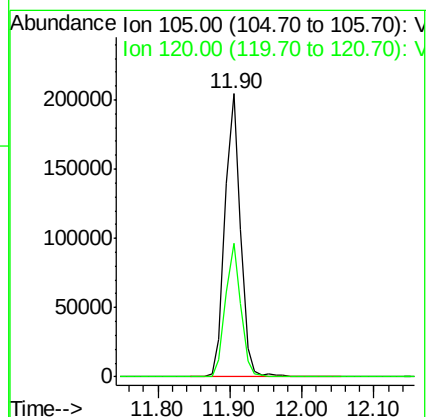
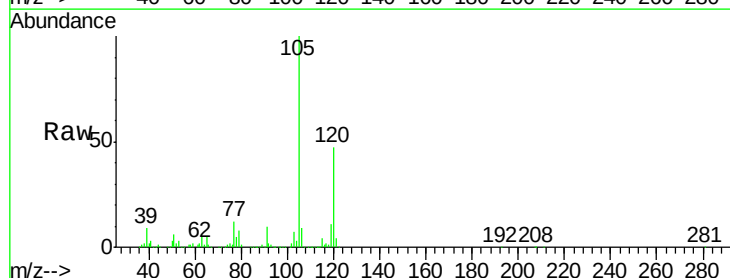
Acq: 22 Jun 2018 19:09

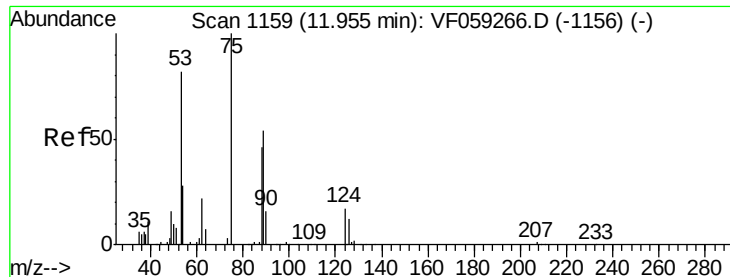
Tgt Ion: 105 Resp: 302759

Ion Ratio Lower Upper

105 100

120 47.3 24.3 73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 21.04 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

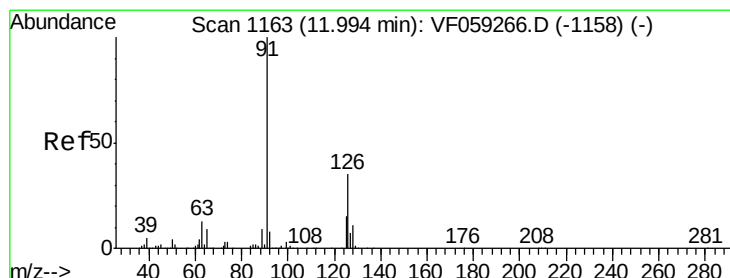
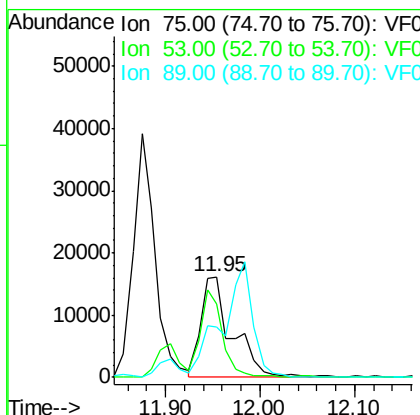
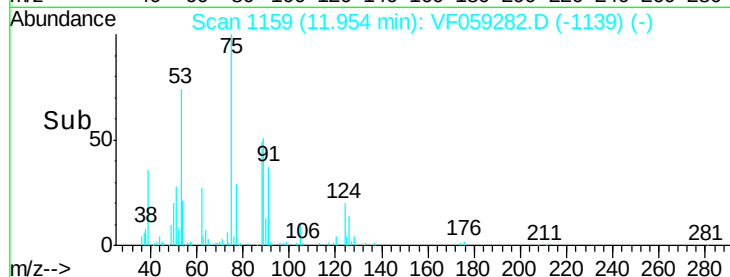
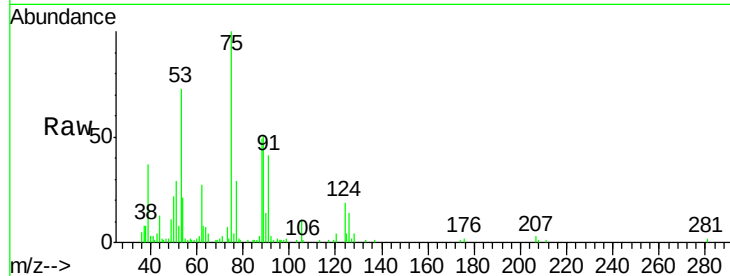
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	73.0	70.2	105.2
89	50.6	45.3	67.9

Manual Integrations
APPROVED

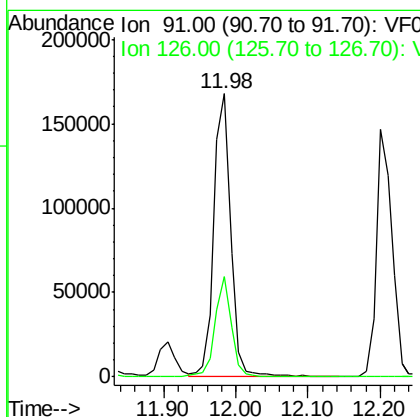
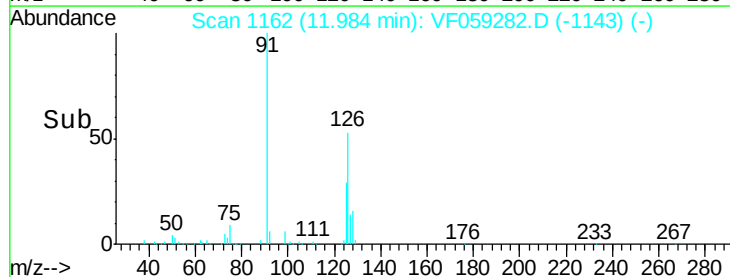
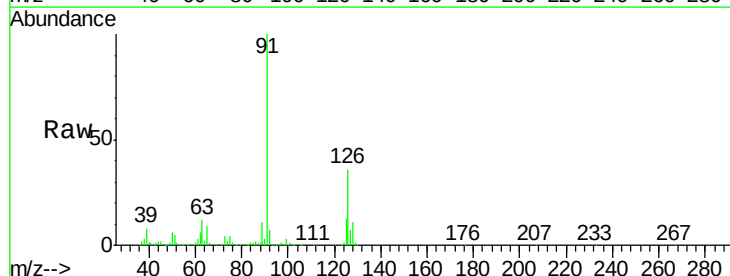
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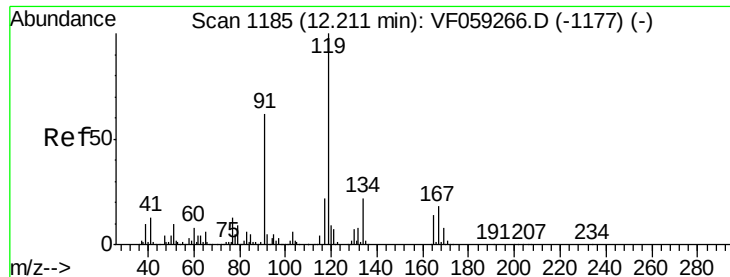
6/24/2018 11:35:12 AM



#82
4-Chlorotoluene
Concen: 21.66 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.8





#83
 tert-Butylbenzene
 Concen: 25.17 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

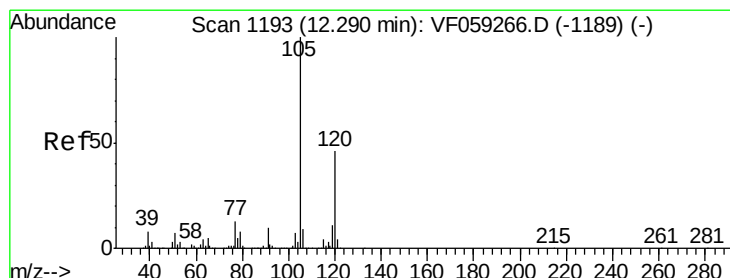
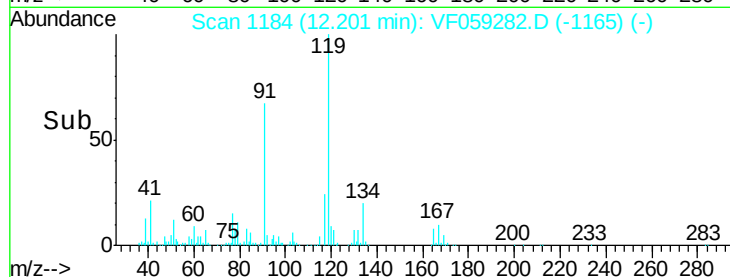
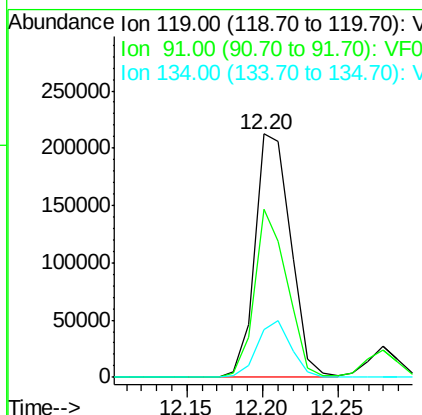
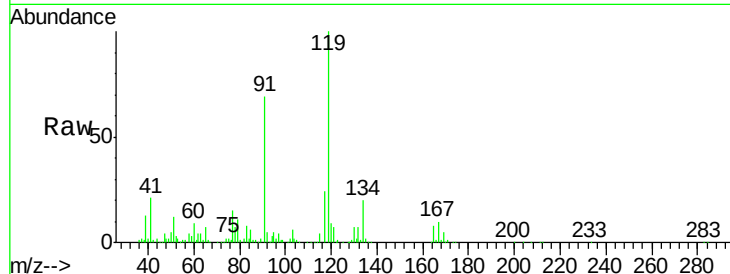
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	350144		
91	69.0		31.3	93.8
134	19.8		11.3	33.8

Manual Integrations
 APPROVED

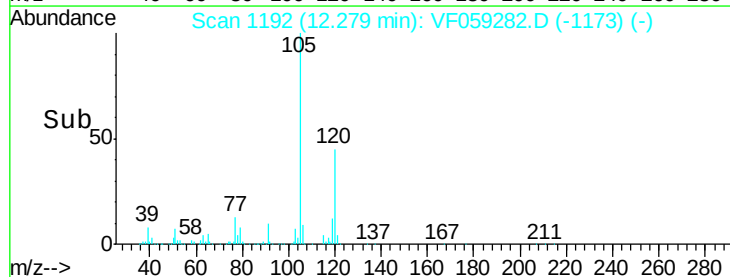
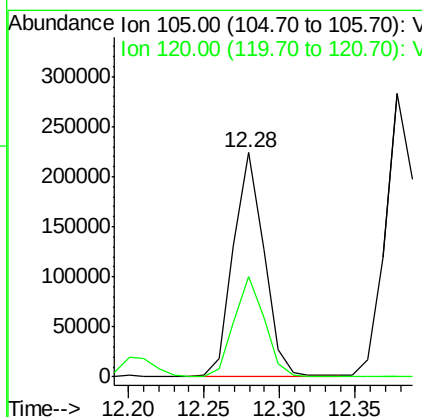
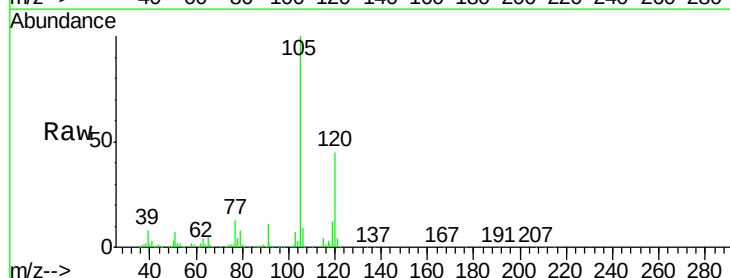
anatel

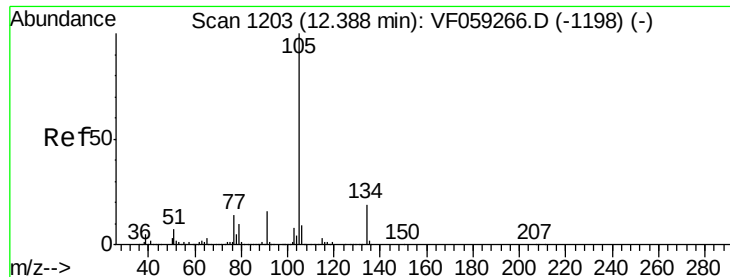
6/24/2018 11:35:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.02 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	318830		
120	44.8		22.8	68.4





#85

sec-Butylbenzene

Concen: 21.72 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

Tot Ion:105 Resp: 403229

Ion Ratio Lower Upper

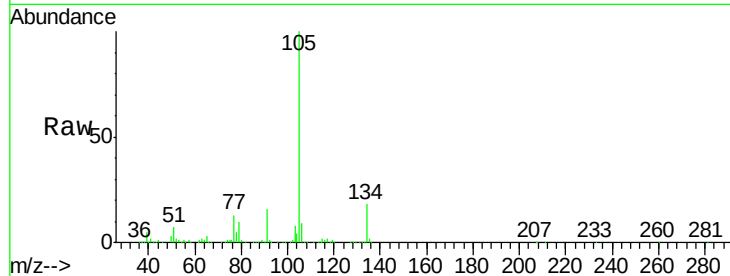
105 100

134 18.0 9.5 28.5

Manual Integrations
APPROVED

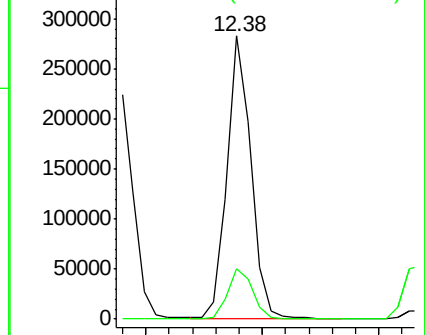
anatel

6/24/2018 11:35:12 AM

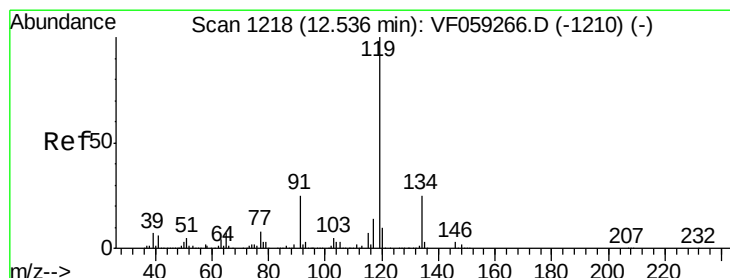
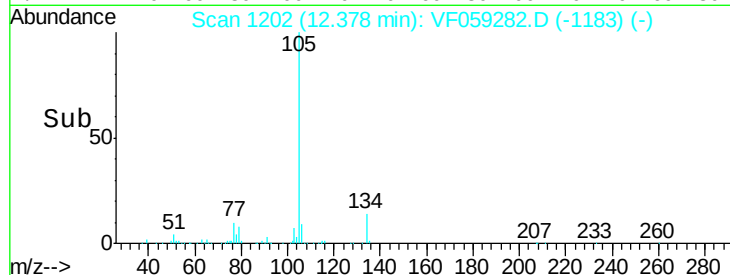


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 22.94 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

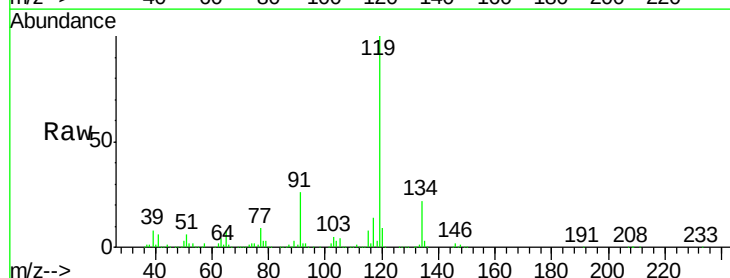
Tgt Ion:119 Resp: 351195

Ion Ratio Lower Upper

119 100

134 22.0 12.6 37.8

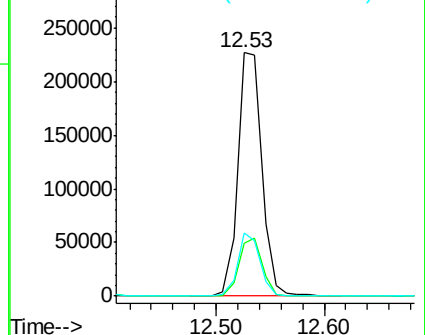
91 25.9 12.6 37.8



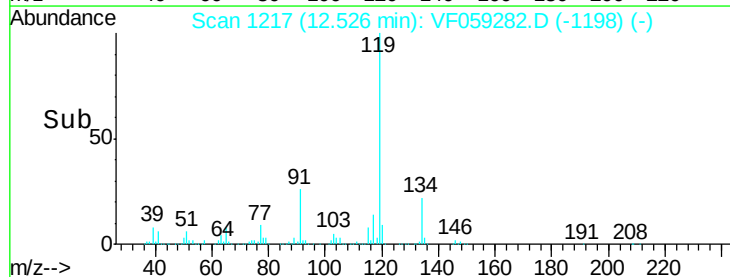
Abundance Ion 119.00 (118.70 to 119.70): V

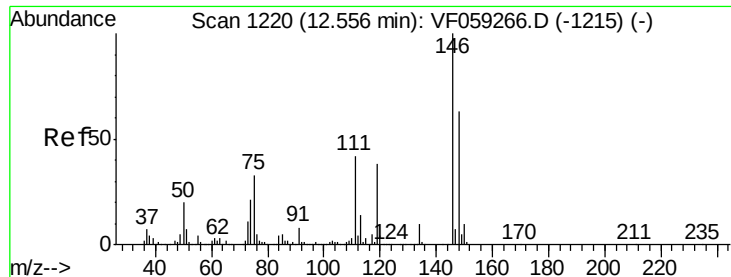
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#87
 1,3-Dichlorobenzene
 Concen: 22.01 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

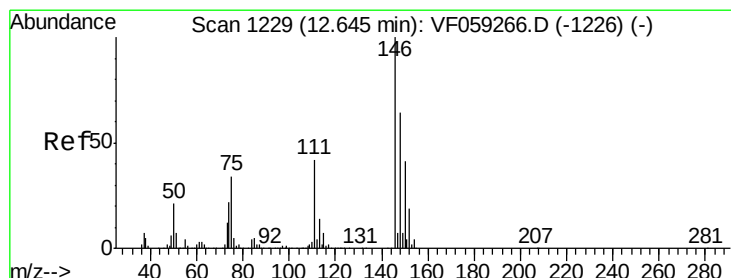
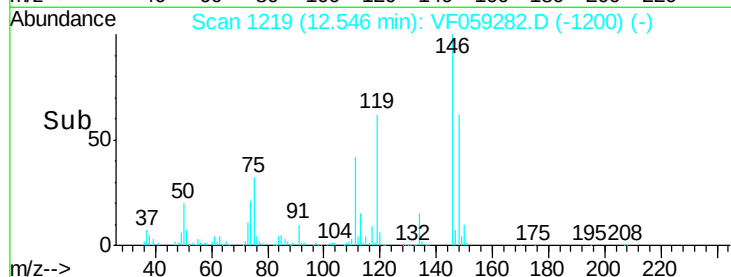
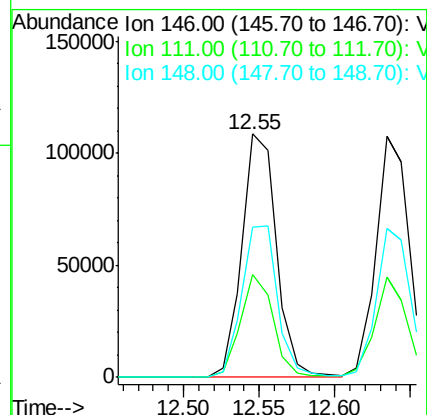
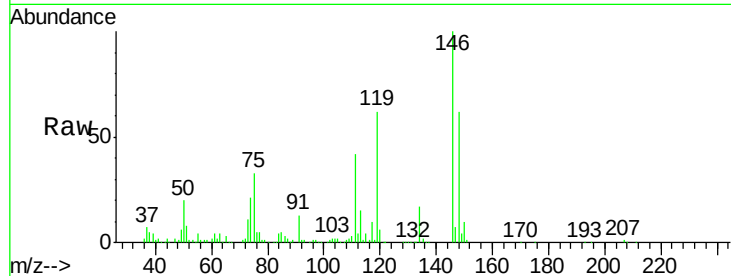
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.0	63.0
148	61.6	31.6	94.8

Manual Integrations
 APPROVED

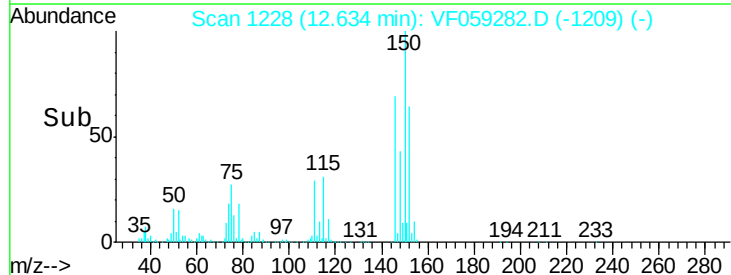
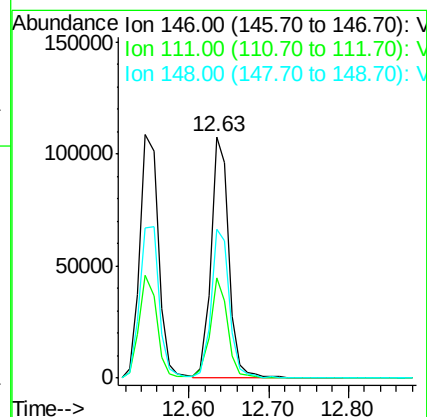
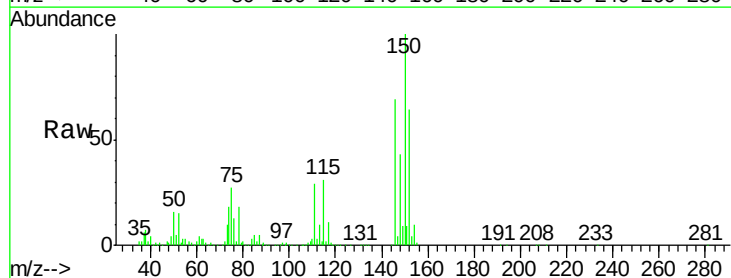
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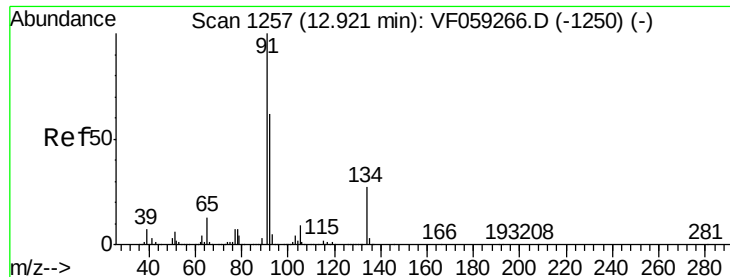
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#88
 1,4-Dichlorobenzene
 Concen: 21.73 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.9
148	61.6	32.0	96.2





#89
n-Butylbenzene
Concen: 22.46 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

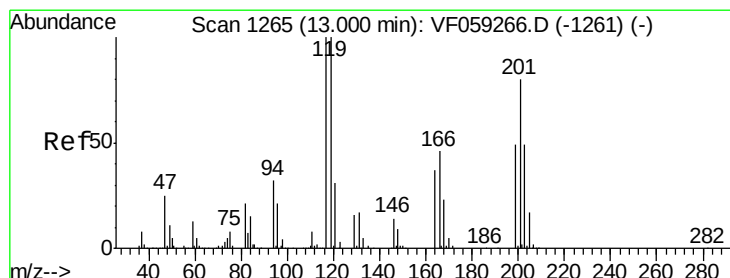
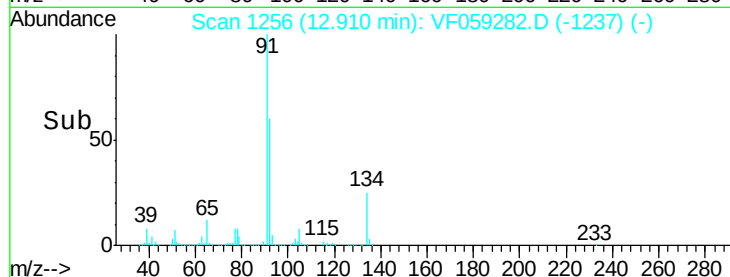
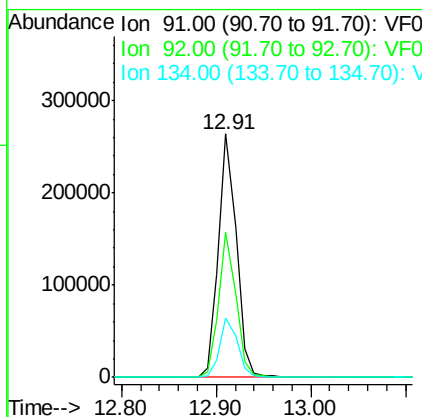
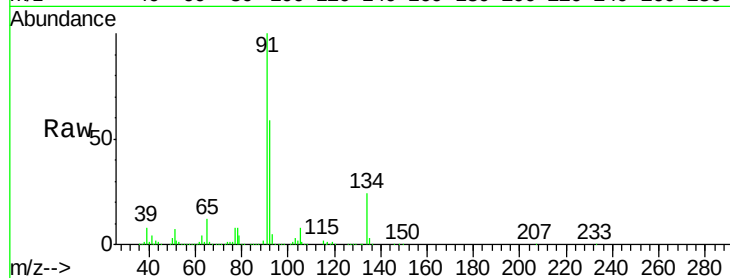
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.5	31.2	93.6
134	24.5	13.4	40.1

Manual Integrations
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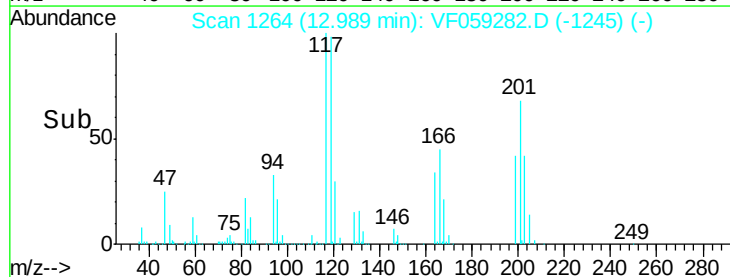
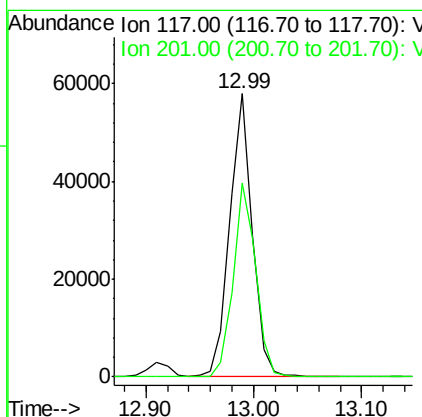
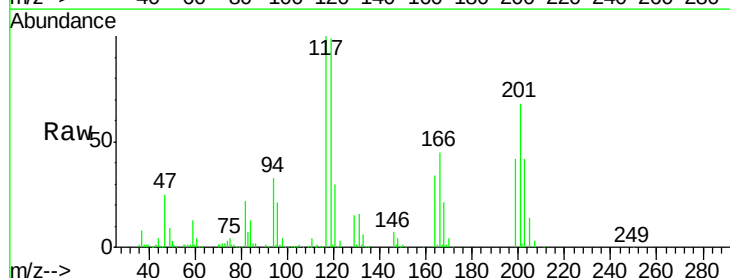
anatel

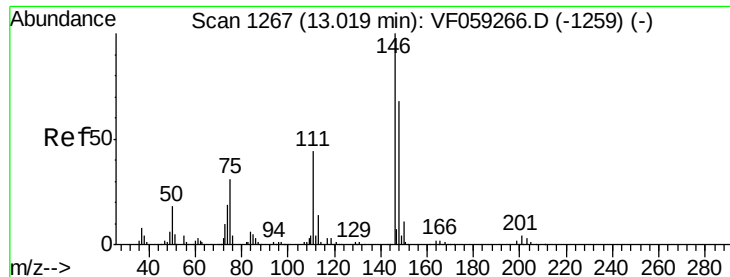
6/24/2018 11:35:12 AM



#90
Hexachloroethane
Concen: 22.08 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	39.8	119.3





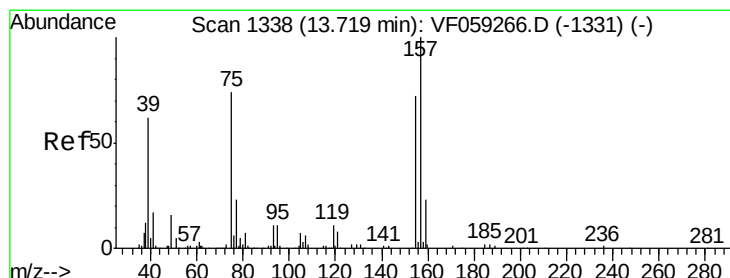
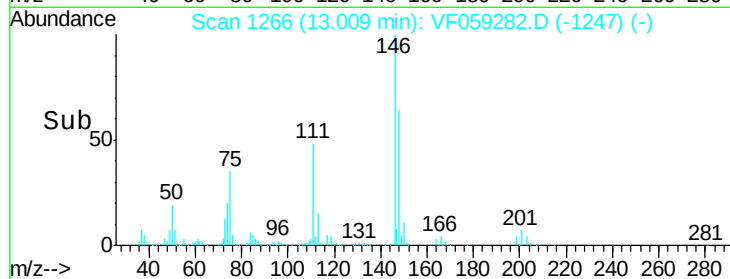
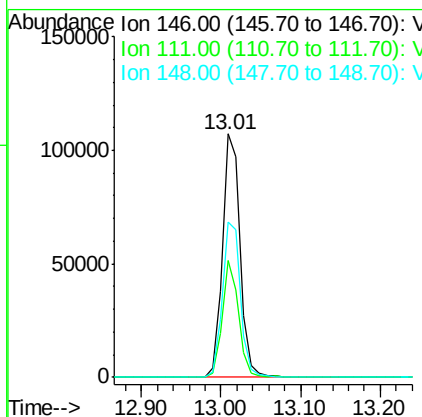
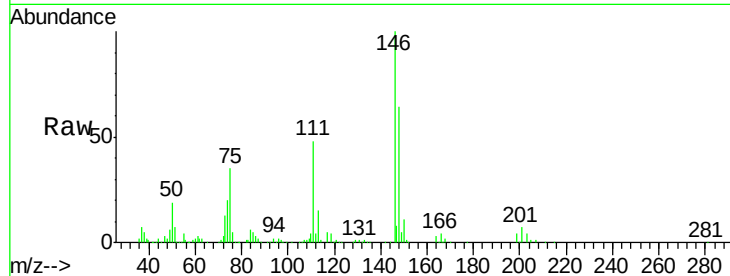
#91
 1,2-Dichlorobenzene
 Concen: 21.54 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	22.1	66.3
148	64.0	34.0	102.0

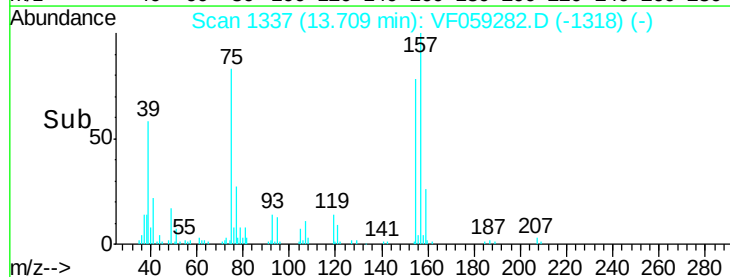
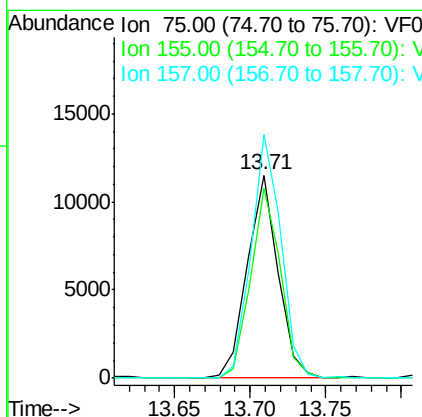
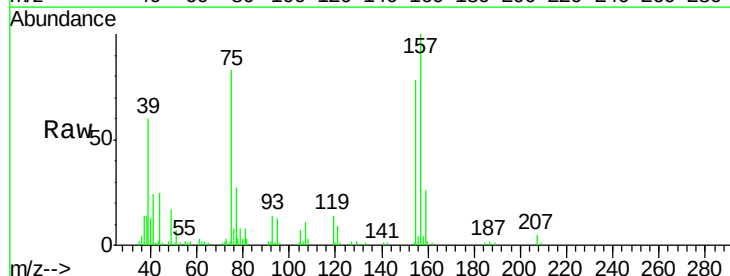
Manual Integrations
 APPROVED

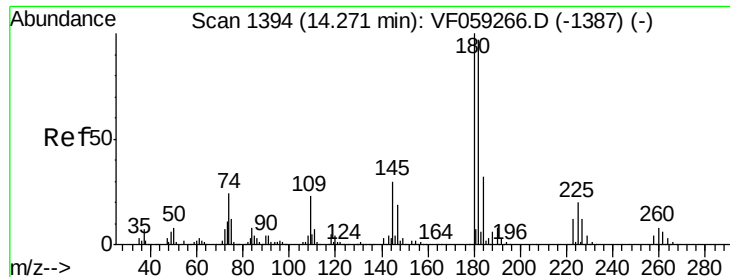
anatel
 6/24/2018 11:35:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.85 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	48.3	144.9
157	119.9	67.2	201.6





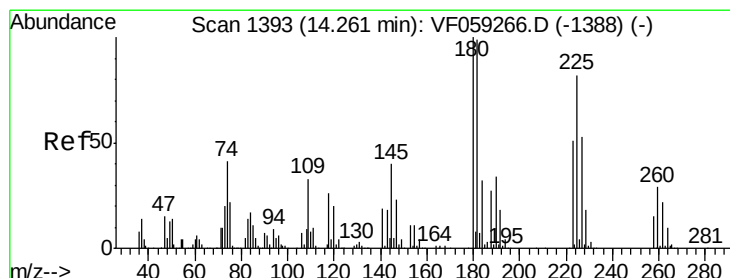
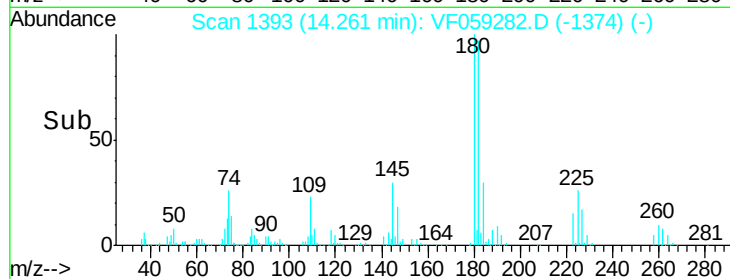
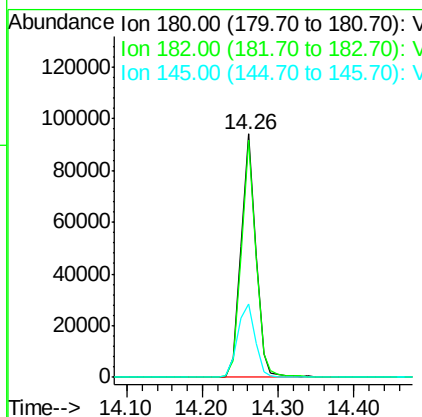
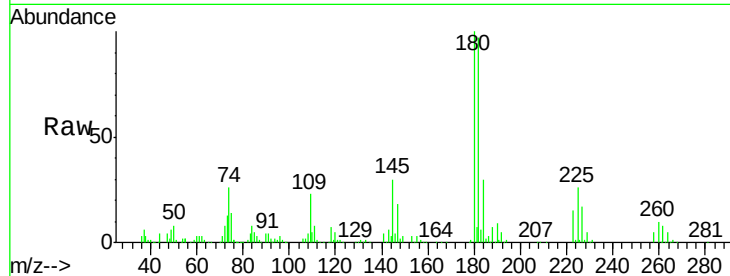
#93
 1,2,4-Trichlorobenzene
 Concen: 22.35 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

Tot Ion:	180	Resp:	127485
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.6	145.9
145	30.4	15.0	45.1

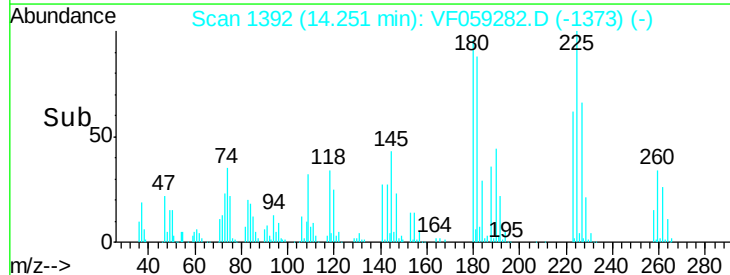
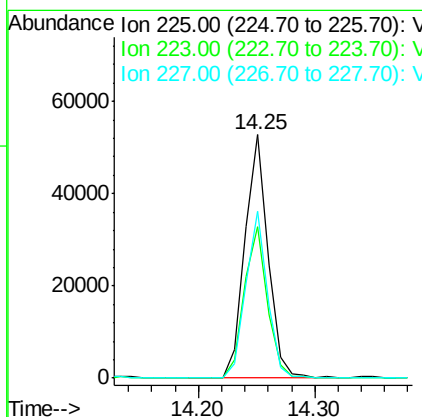
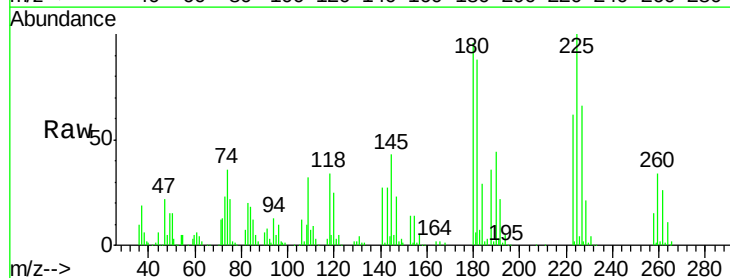
Manual Integrations
 APPROVED

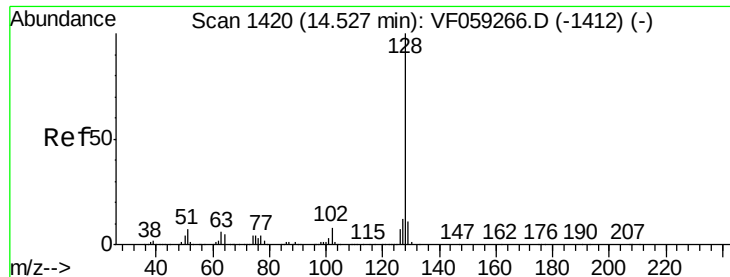
anatel
 6/24/2018 11:35:12 AM



#94
 Hexachlorobutadiene
 Concen: 21.59 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion:	225	Resp:	73011
Ion Ratio	Lower	Upper	
225	100		
223	62.2	30.7	92.1
227	68.7	32.0	96.2





#95
Naphthalene
Concen: 21.74 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

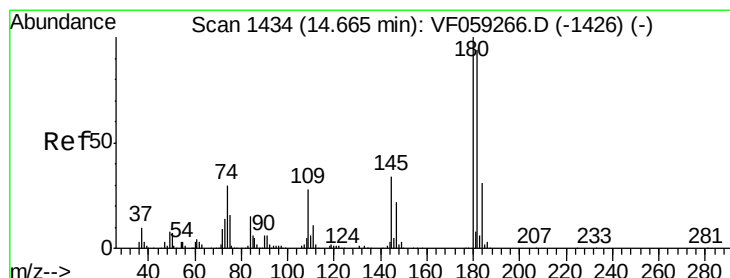
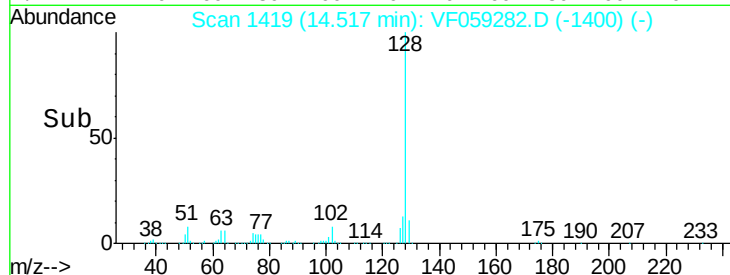
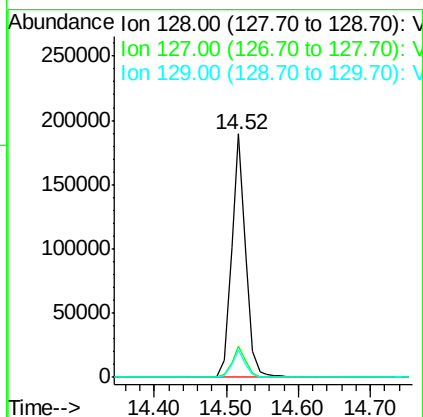
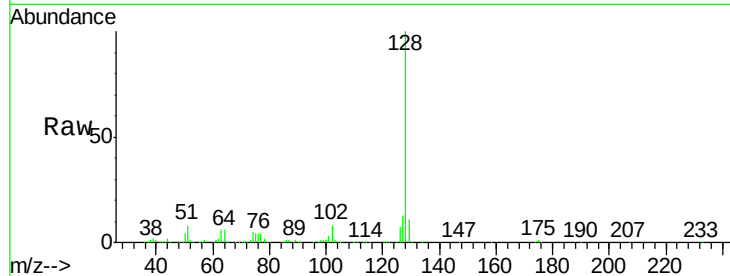
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

Tot Ion:	128	Resp:	254674
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.6	14.4
129	11.3	9.0	13.4

Manual Integrations
APPROVED

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6/24/2018 11:35:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.28 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion:	180	Resp:	119591
Ion Ratio	Lower	Upper	
180	100		
182	92.6	46.9	140.7
145	30.3	17.0	50.9

