

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059862.D
 Acq On : 4 Aug 2018 3:21
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:25:40 AM

Quant Time: Aug 04 05:36:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	180146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	250389	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	244852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	166970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	16809	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
35) Dibromofluoromethane	4.30	113	13979	5.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.68%	
50) Toluene-d8	7.71	98	24268	4.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.02%	
62) 4-Bromofluorobenzene	11.52	95	13843	4.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	16546	6.29	ug/l	93
3) Chloromethane	1.09	50	6837	5.33	ug/l #	87
4) Vinyl Chloride	1.16	62	6749	5.11	ug/l	89
5) Bromomethane	1.34	94	8113	7.42	ug/l #	79
6) Chloroethane	1.43	64	4599	5.54	ug/l	95
7) Trichlorofluoromethane	1.54	101	20413m	5.81	ug/l	
8) Diethyl Ether	1.70	74	3607	6.15	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	1.91	101	13169	7.16	ug/l	96
10) Methyl Iodide	1.97	142	18379	6.29	ug/l #	95
11) Tert butyl alcohol	2.69	59	3511	24.39	ug/l #	93
12) 1,1-Dichloroethene	1.86	96	8012	5.48	ug/l	88
13) Acrolein	2.09	56	2203m	35.25	ug/l	
14) Allyl chloride	2.19	41	15025	6.41	ug/l	90
15) Acrylonitrile	3.08	53	5909	24.79	ug/l #	87
16) Acetone	2.34	43	16769	28.40	ug/l	100
17) Carbon Disulfide	1.88	76	22927m	6.30	ug/l	
18) Methyl Acetate	2.46	43	5401	4.90	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	23497	5.42	ug/l #	90
20) Methylene Chloride	2.28	84	12102m	7.16	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	8423	5.75	ug/l	89
22) Diisopropyl ether	2.92	45	25489	5.24	ug/l #	95
23) Vinyl Acetate	3.33	43	61390	24.86	ug/l	97
24) 1,1-Dichloroethane	3.00	63	20844	6.11	ug/l	97
25) 2-Butanone	4.52	43	16140	25.38	ug/l	96
26) 2,2-Dichloropropane	3.77	77	11950	5.09	ug/l	88
27) cis-1,2-Dichloroethene	3.64	96	8310	4.63	ug/l	79
28) Bromochloromethane	3.90	49	7241	5.47	ug/l	82
29) Tetrahydrofuran	4.24	42	6733	26.80	ug/l #	89
30) Chloroform	4.03	83	27741	5.83	ug/l	95
31) Cyclohexane	3.87	56	8563	4.63	ug/l #	71
32) 1,1,1-Trichloroethane	4.27	97	22535	6.05	ug/l	91
36) 1,1-Dichloropropene	4.46	75	15664	5.26	ug/l #	85
37) Ethyl Acetate	4.30	43	6405	4.42	ug/l #	53
38) Carbon Tetrachloride	4.16	117	24870m	6.09	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	10495	4.67	ug/l	84
40) Benzene	4.81	78	28255	5.47	ug/l	92
41) Methacrylonitrile	4.91	41	3768	5.29	ug/l #	78
42) 1,2-Dichloroethane	5.12	62	22615	6.13	ug/l	99
43) Isopropyl Acetate	7.11	43	5918	3.98	ug/l #	75
44) Trichloroethene	5.67	130	10080	5.03	ug/l	95
45) 1,2-Dichloropropane	6.42	63	6363	4.69	ug/l #	86
46) Dibromomethane	6.25	93	6982	5.40	ug/l #	73
47) Bromodichloromethane	6.56	83	19935	5.62	ug/l #	90
48) Methyl methacrylate	6.88	41	3867	3.44	ug/l	93
49) 1,4-Dioxane	6.86	88	265	30.56	ug/l #	63
51) 4-Methyl-2-Pentanone	8.42	43	29892	25.30	ug/l #	82
52) Toluene	7.78	92	17864	4.66	ug/l	90
53) t-1,3-Dichloropropene	8.43	75	12707	4.22	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	13723	4.65	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	6727	4.89	ug/l #	92
56) Ethyl methacrylate	8.76	69	4668	3.28	ug/l #	83
57) 1,3-Dichloropropane	9.00	76	10018	4.20	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.78	63	4036	23.32	ug/l	100
59) 2-Hexanone	9.63	43	20936	22.43	ug/l	83
60) Dibromochloromethane	8.86	129	11462	4.64	ug/l	90
61) 1,2-Dibromoethane	9.13	107	7865	4.82	ug/l	83
64) Tetrachloroethene	8.30	164	9998	5.01	ug/l	86
65) Chlorobenzene	9.94	112	25926	5.17	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.08	131	13419	5.70	ug/l	86
67) Ethyl Benzene	10.04	91	42789	4.91	ug/l	99
68) m/p-Xylenes	10.27	106	29670	9.72	ug/l	98
69) o-Xylene	10.84	106	13110	4.06	ug/l	92
70) Styrene	10.90	104	20345	4.21	ug/l	95
71) Bromoform	10.88	173	7584	5.02	ug/l #	97
73) Isopropylbenzene	11.23	105	48261	4.32	ug/l	95
74) N-amyl acetate	11.47	43	9411	3.41	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.79	83	10806	5.22	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	8982	5.06	ug/l	88
77) Bromobenzene	11.59	156	14076	4.84	ug/l	93
78) n-propylbenzene	11.69	91	63597	4.88	ug/l	92
79) 2-Chlorotoluene	11.81	91	39666	4.90	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	46188	4.59	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.96	75	2540m	3.56	ug/l	
82) 4-Chlorotoluene	11.99	91	46249	5.35	ug/l	96
83) tert-Butylbenzene	12.22	119	45359	4.54	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	50472	4.99	ug/l	96
85) sec-Butylbenzene	12.39	105	65227	5.07	ug/l	96
86) p-Isopropyltoluene	12.54	119	50547	4.45	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	31264	5.63	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	27786	5.12	ug/l	91
89) n-Butylbenzene	12.92	91	49272	4.62	ug/l	98
90) Hexachloroethane	12.99	117	16501	5.79	ug/l	81
91) 1,2-Dichlorobenzene	13.02	146	27252	5.08	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2139	4.16	ug/l	89

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ClientSampleId :
VSTDICC005

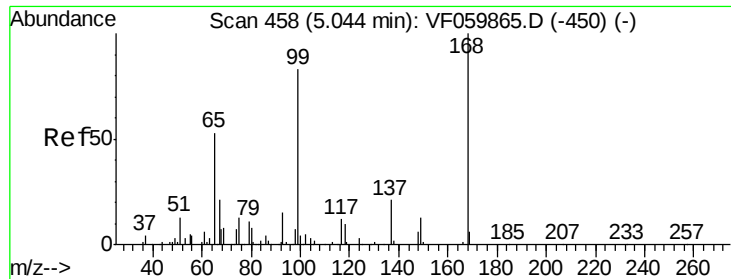
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	20165	4.84	ug/l	93
94) Hexachlorobutadiene	14.26	225	14802	5.30	ug/l	95
95) Naphthalene	14.52	128	28177	3.86	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	18465	4.56	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 180146

Ion Ratio Lower Upper

168 100

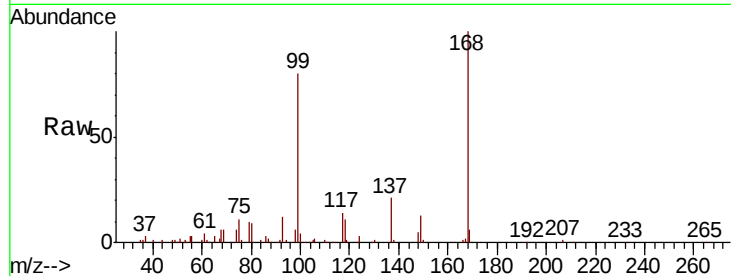
99 79.7 66.3 99.5

Manual Integrations

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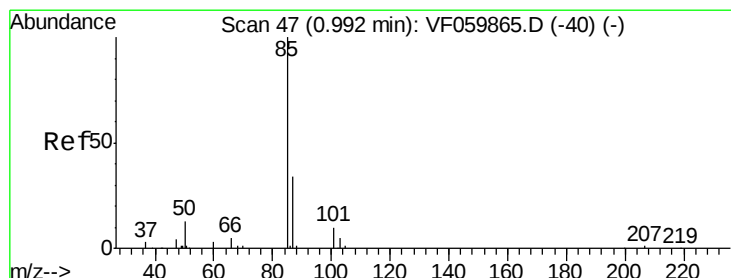
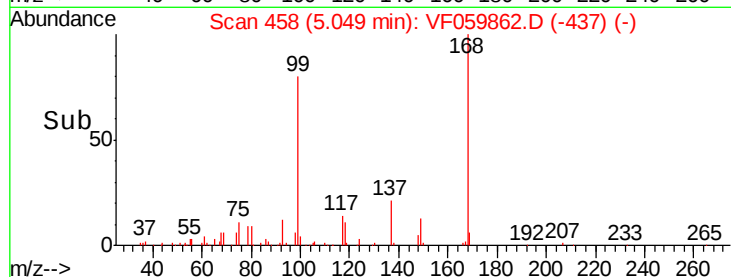
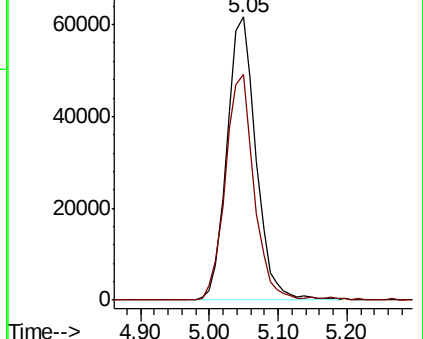
apatel

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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: 6.29 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059862.D

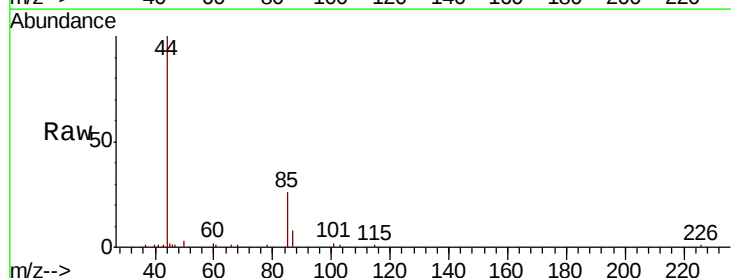
Acq: 4 Aug 2018 3:21

Tgt Ion: 85 Resp: 16546

Ion Ratio Lower Upper

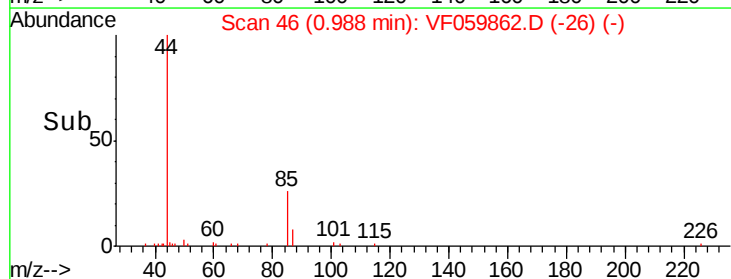
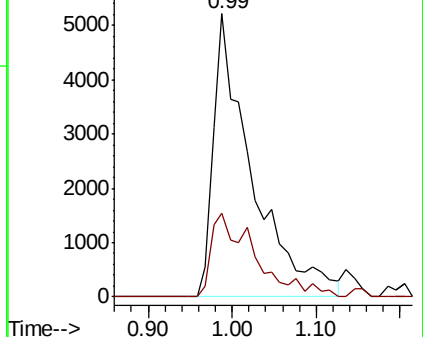
85 100

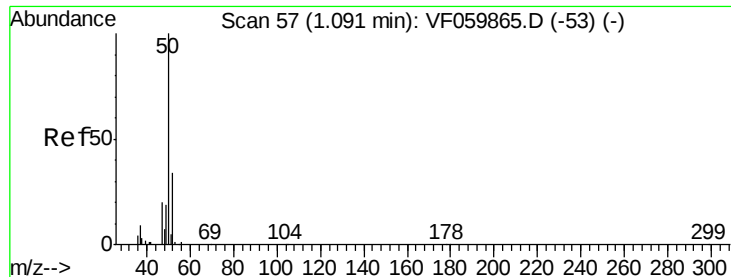
87 29.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 5.33 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 6837

Ion Ratio Lower Upper

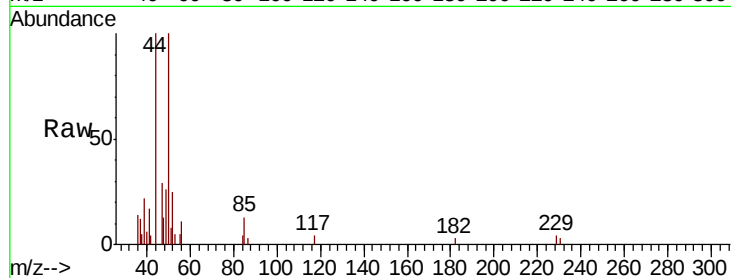
50 100

52 25.1 25.8 38.8#

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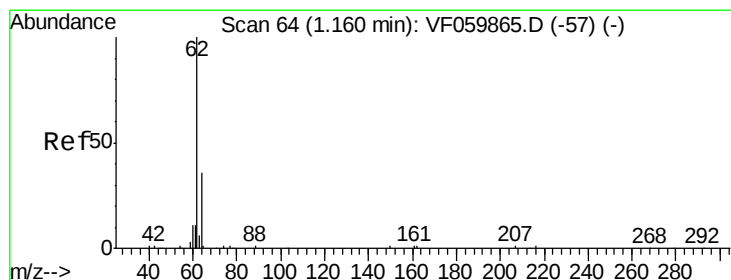
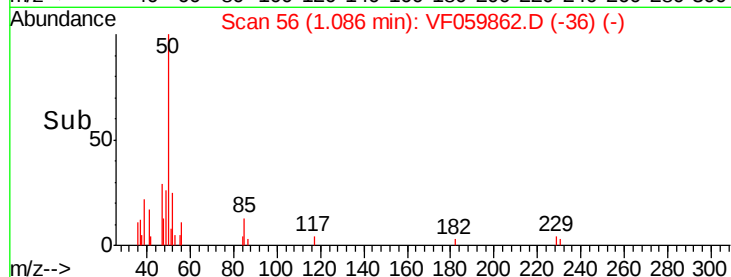
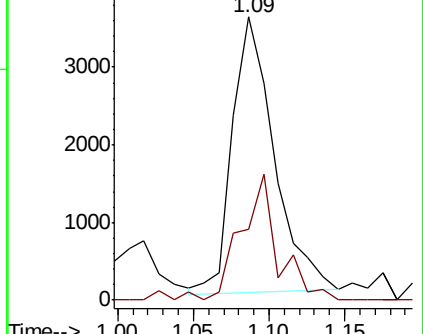
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 5.11 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059862.D

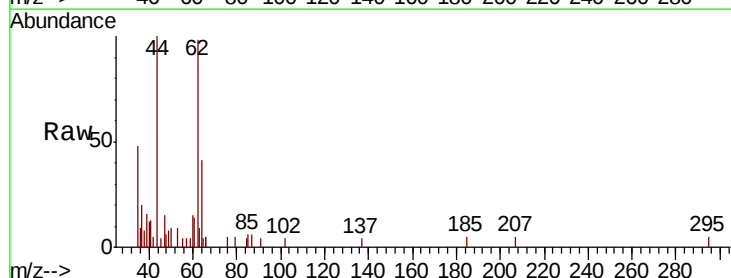
Acq: 4 Aug 2018 3:21

Tgt Ion: 62 Resp: 6749

Ion Ratio Lower Upper

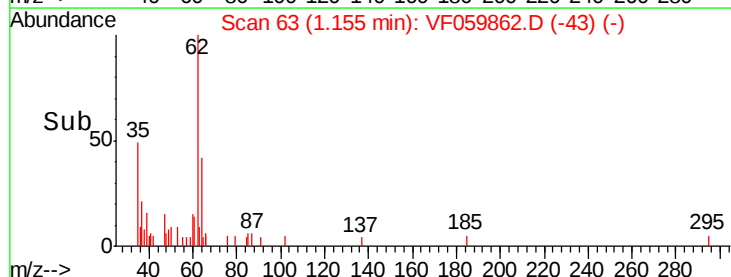
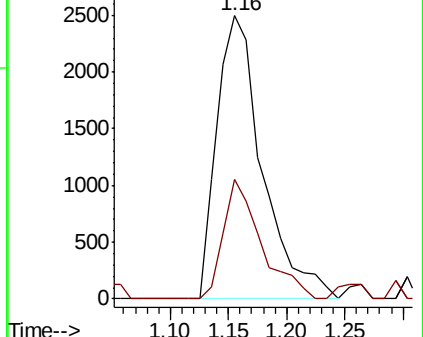
62 100

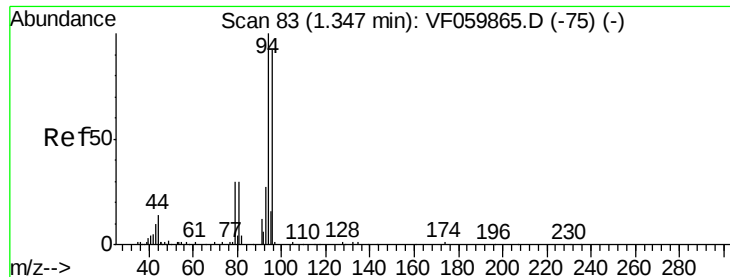
64 42.3 28.5 42.7



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 7.42 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8113

Ion Ratio Lower Upper

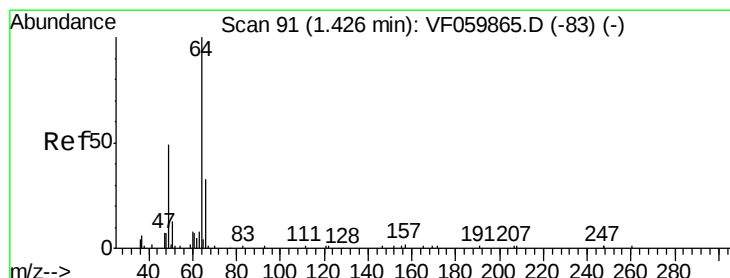
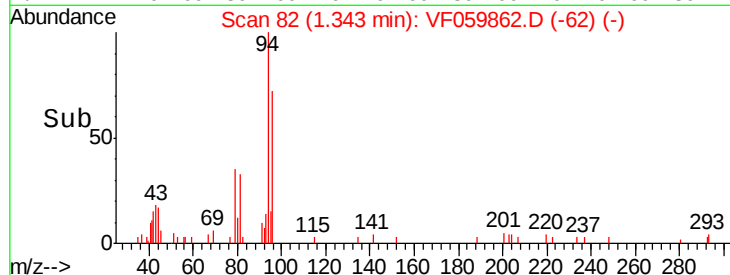
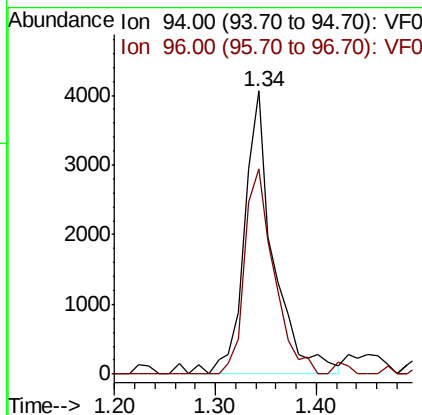
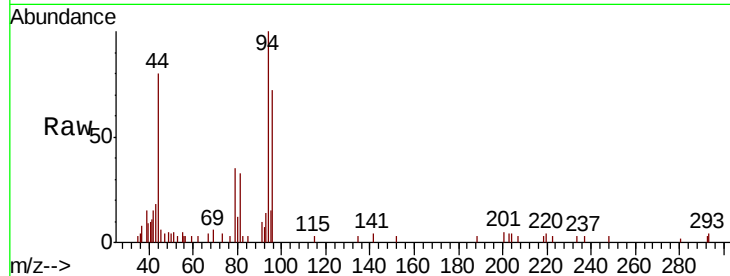
94 100

96 72.3 73.8 110.8#

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#6

Chloroethane

Concen: 5.54 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059862.D

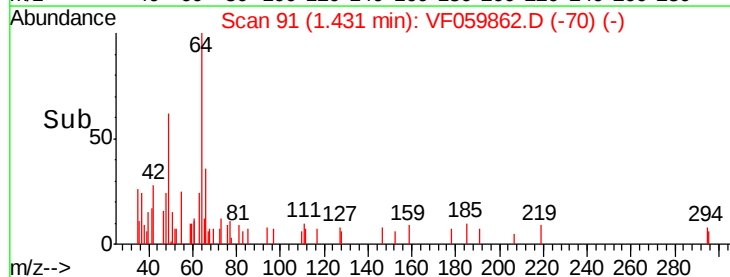
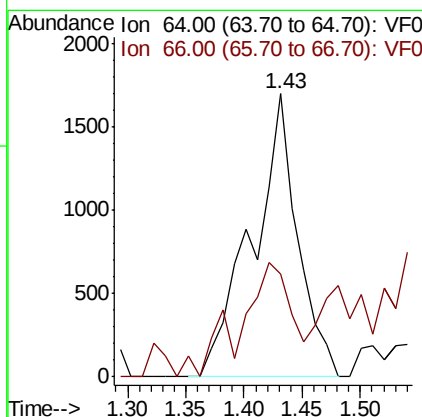
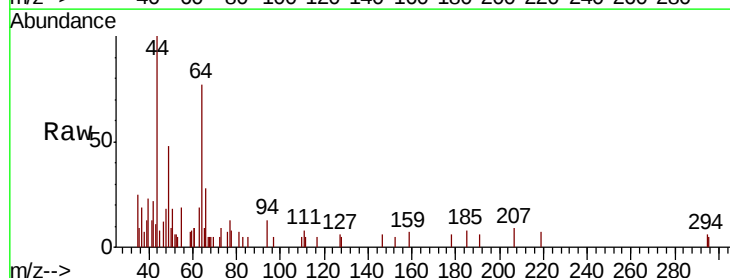
Acq: 4 Aug 2018 3:21

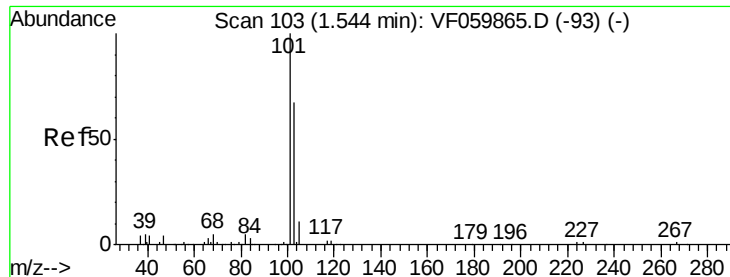
Tgt Ion: 64 Resp: 4599

Ion Ratio Lower Upper

64 100

66 36.4 26.9 40.3





#7

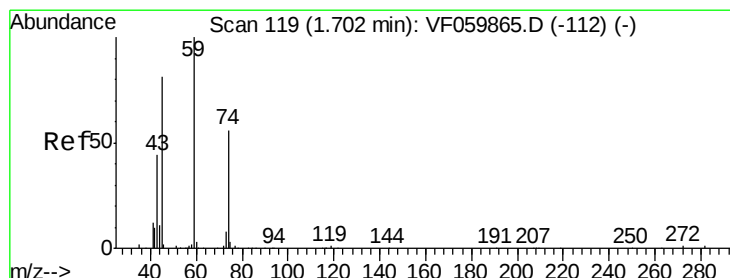
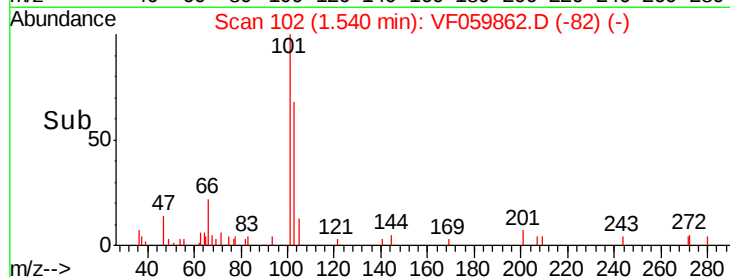
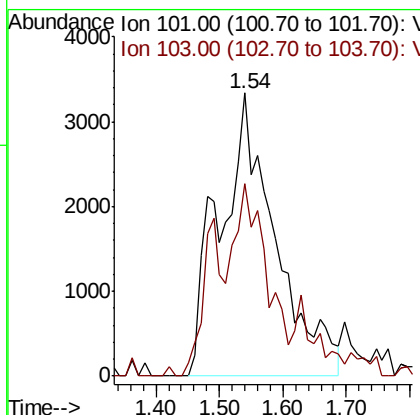
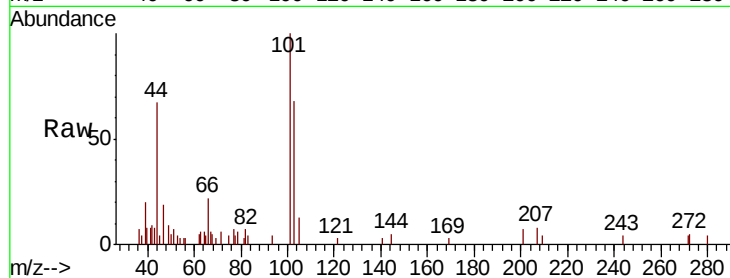
Trichlorofluoromethane
Concen: 5.81 ug/l m
RT: 1.54 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

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MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	53.6	80.4

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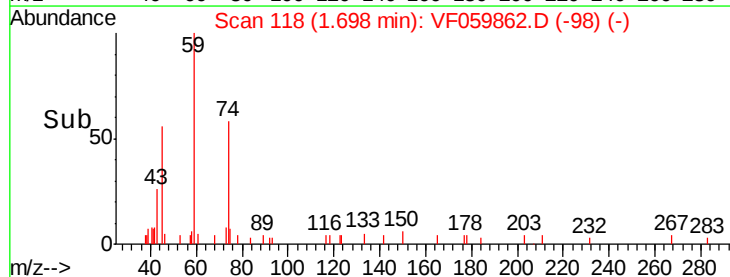
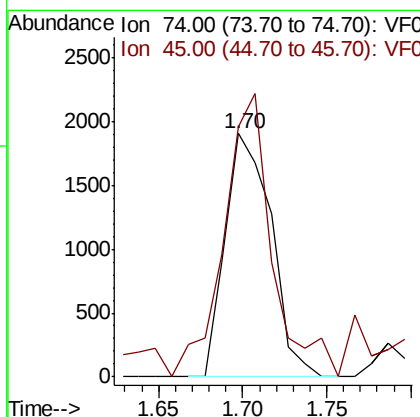
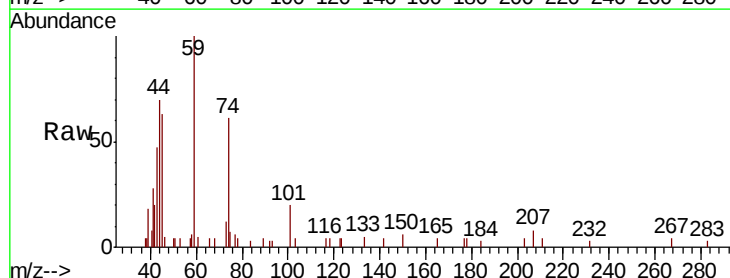
apatel
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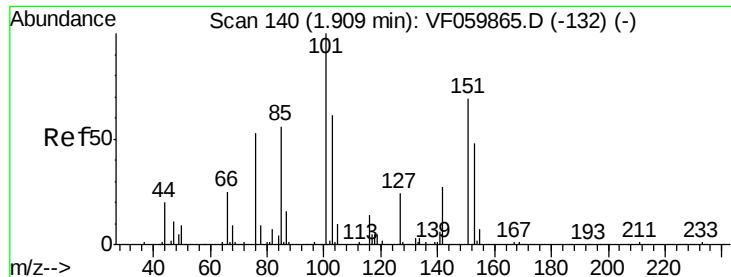


#8

Diethyl Ether
Concen: 6.15 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.16 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

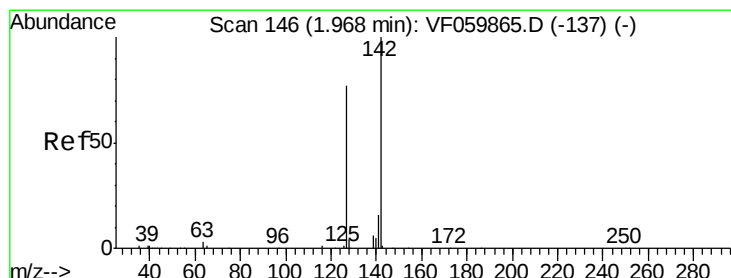
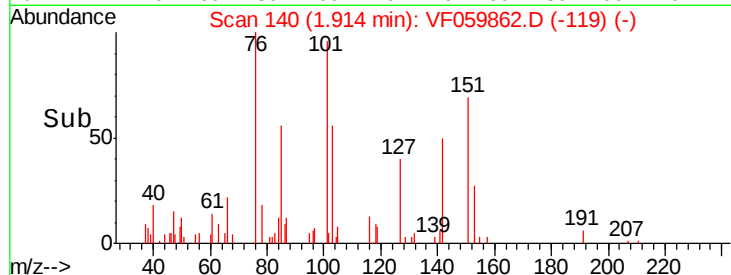
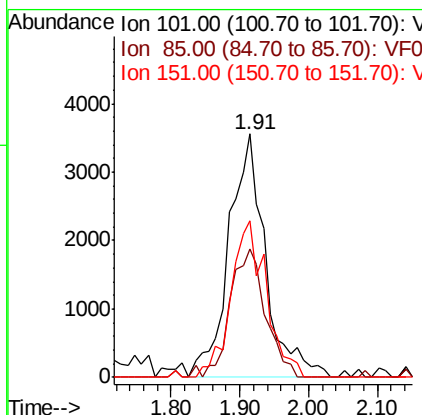
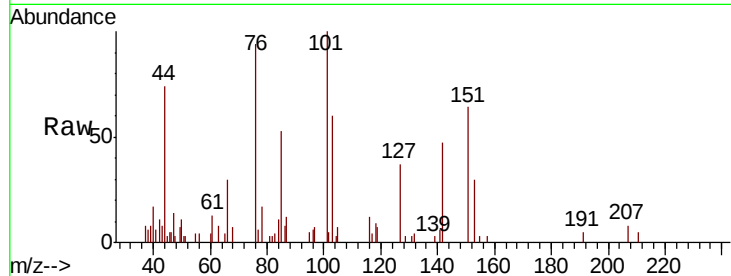
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13169
Ion Ratio	Lower	Upper	
101	100		
85	52.5	44.5	66.7
151	64.4	53.8	80.8

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#10

Methyl Iodide

Concen: 6.29 ug/l

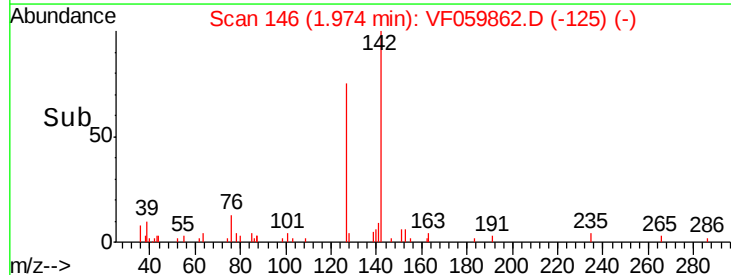
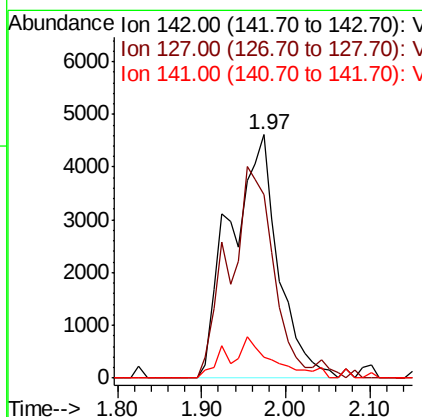
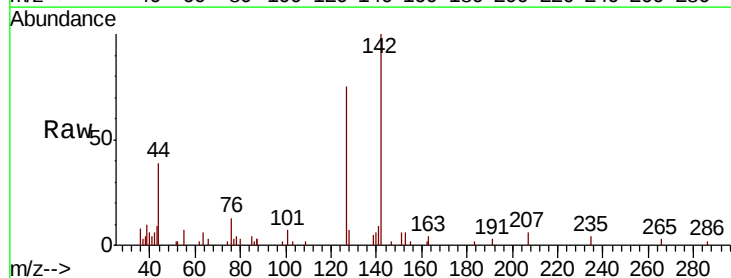
RT: 1.97 min Scan# 146

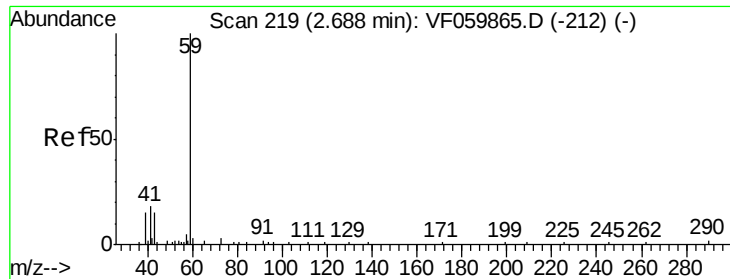
Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	142	Resp:	18379
Ion Ratio	Lower	Upper	
142	100		
127	75.4	61.5	92.3
141	8.6	13.0	19.4#





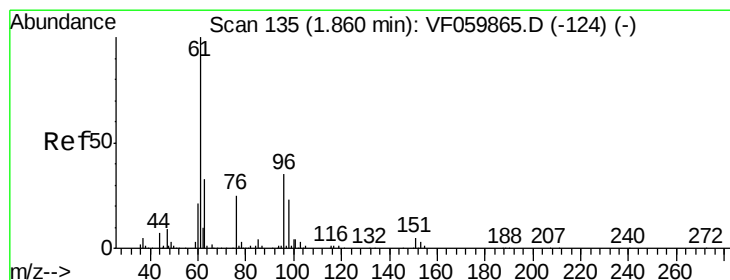
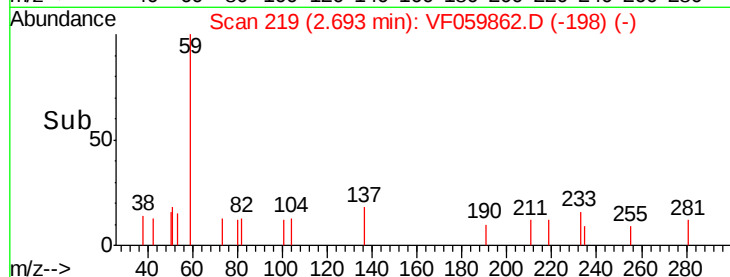
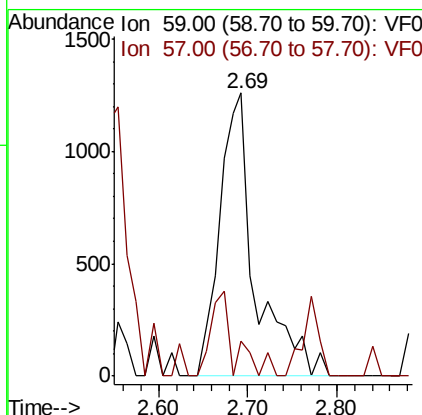
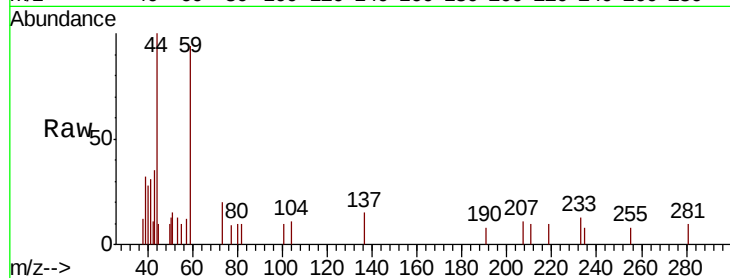
#11
Tert butyl alcohol
Concen: 24.39 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.2	7.6	11.4#

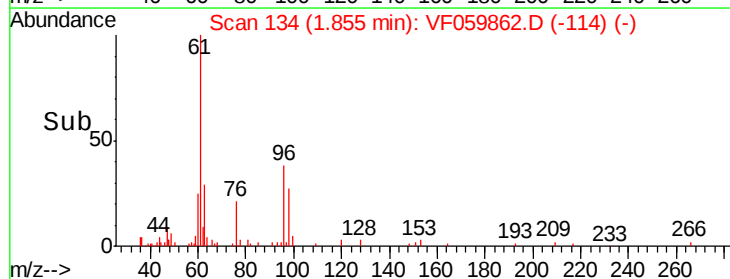
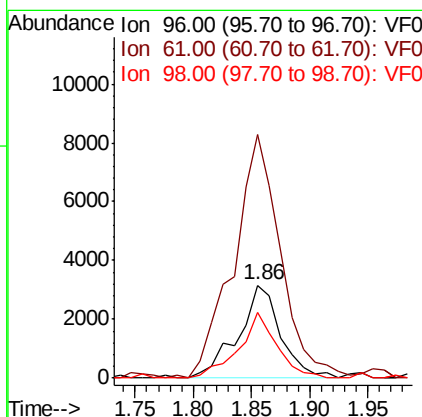
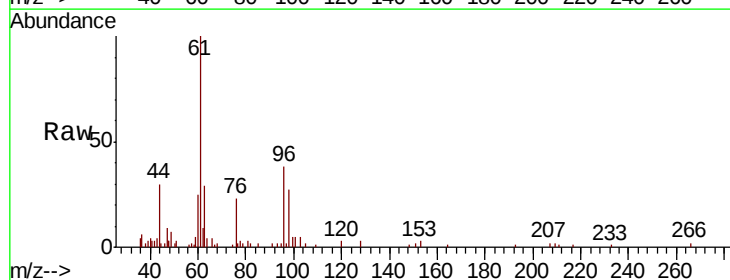
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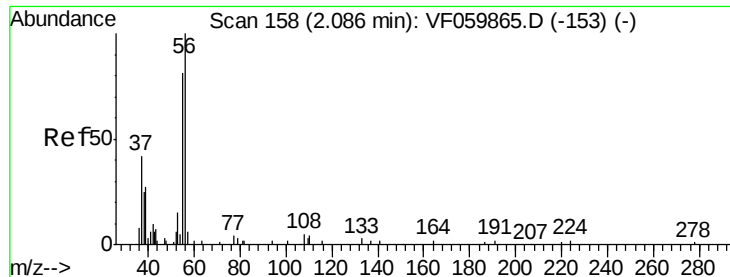
apatel
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#12
1,1-Dichloroethene
Concen: 5.48 ug/l
RT: 1.86 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	262.7	230.2	345.2
98	70.6	52.7	79.1





#13

Acrolein

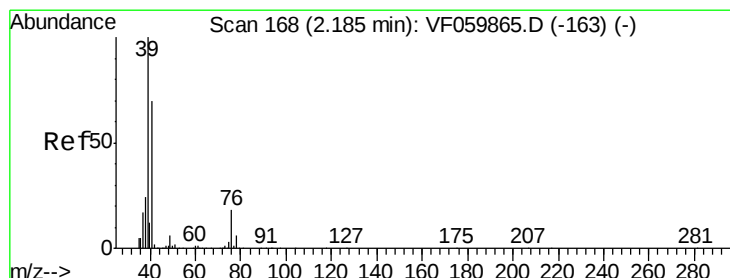
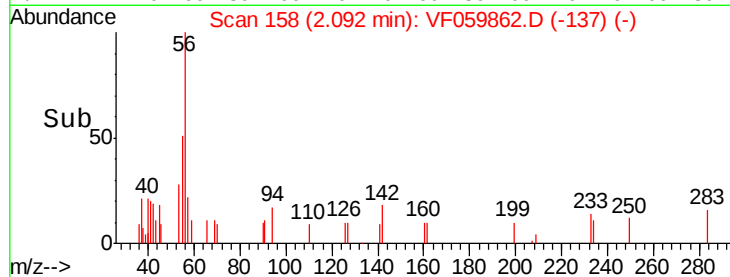
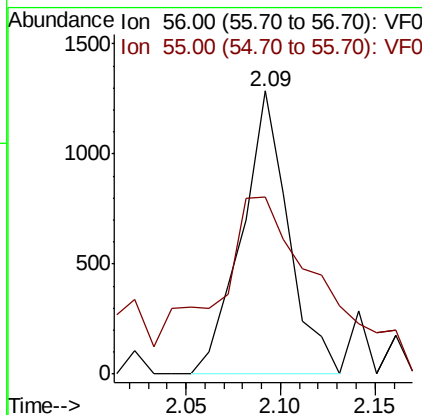
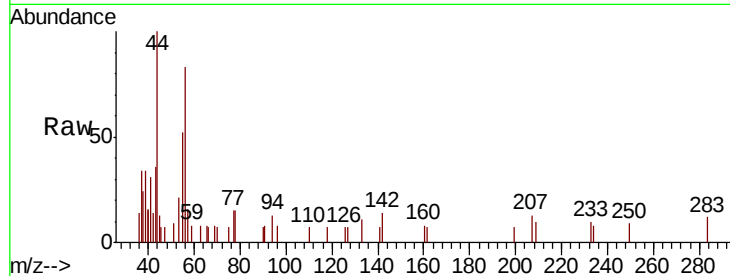
Concen: 35.25 ug/l m
 RT: 2.09 min Scan# 158
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	62.7	64.6	96.8#

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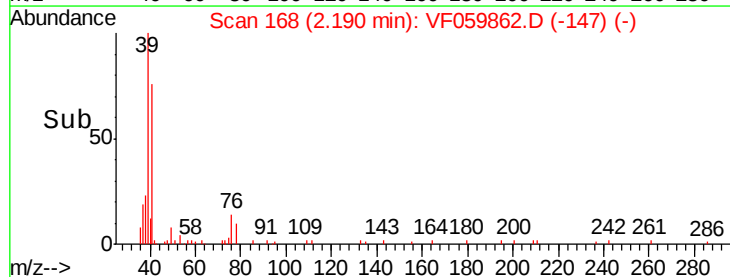
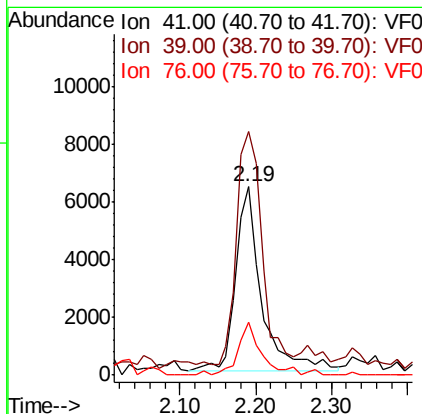
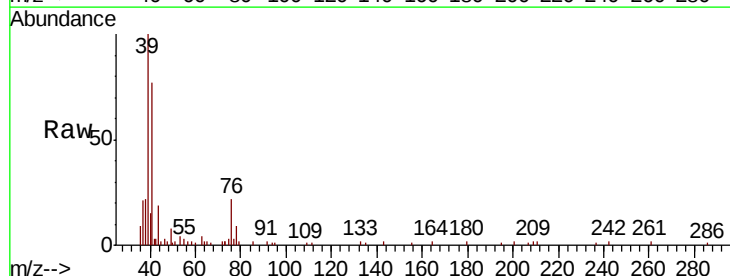


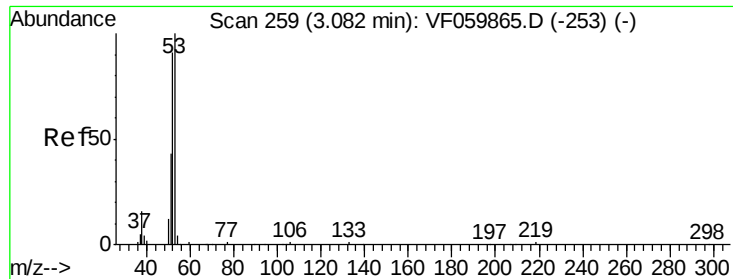
#14

Allyl chloride

Concen: 6.41 ug/l
 RT: 2.19 min Scan# 168
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	129.3	114.6	171.8
76	28.0	21.0	31.4





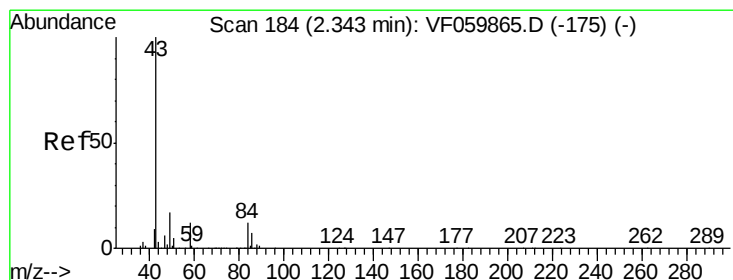
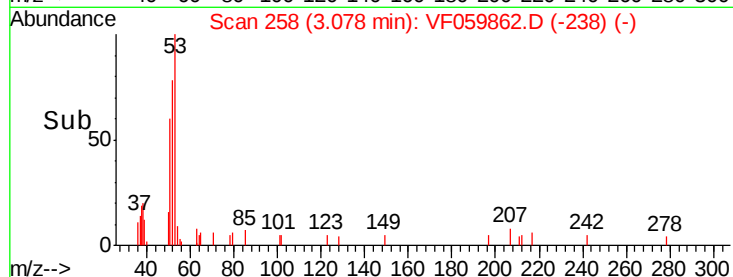
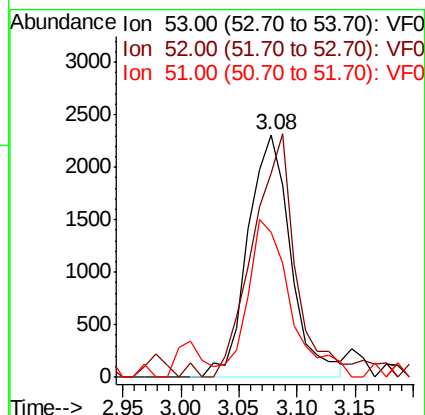
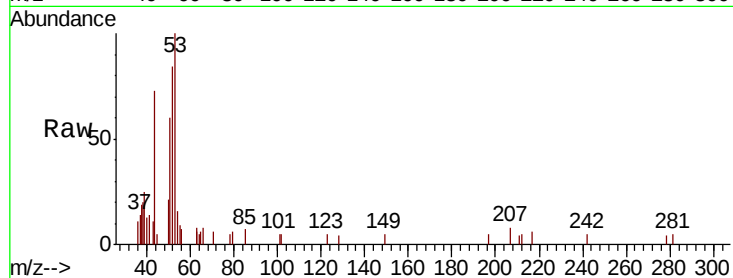
#15
 Acrylonitrile
 Concen: 24.79 ug/l
 RT: 3.08 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	5909
Ion	Ratio	Lower	Upper
53	100		
52	84.2	72.9	109.3
51	59.6	34.5	51.7#

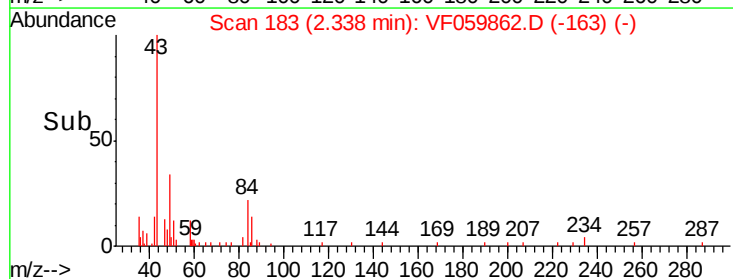
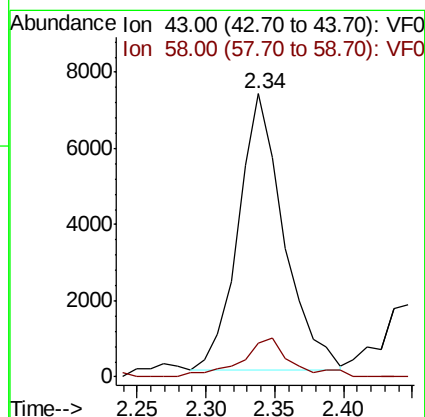
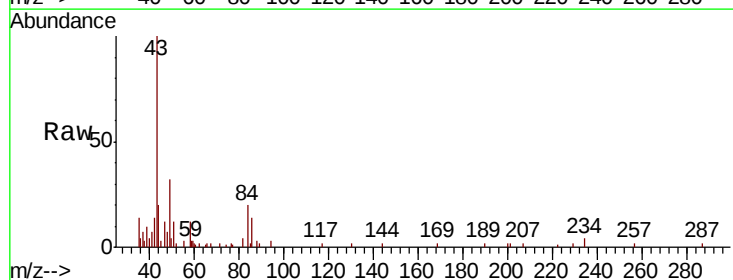
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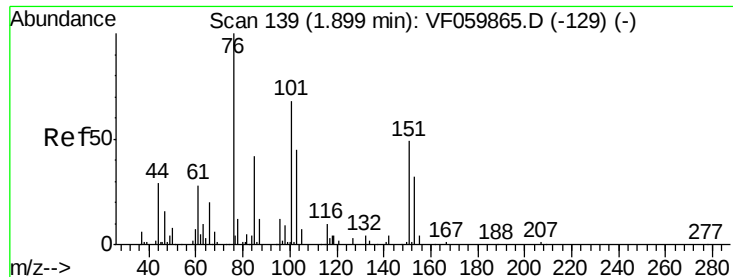
apatel
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#16
 Acetone
 Concen: 28.40 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion:	43	Resp:	16769
Ion	Ratio	Lower	Upper
43	100		
58	11.8	9.4	14.0





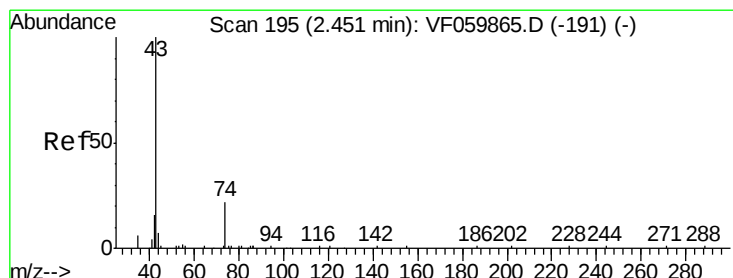
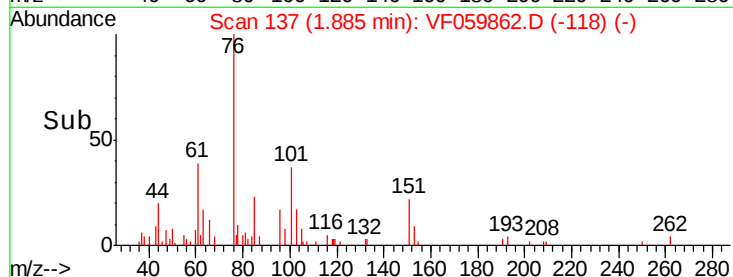
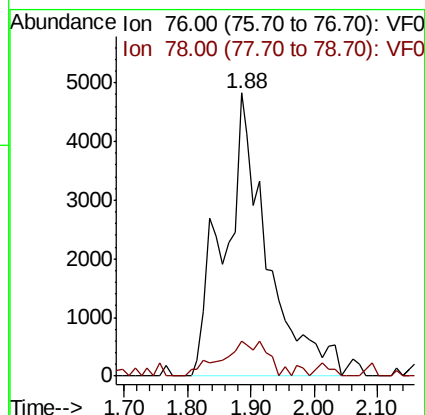
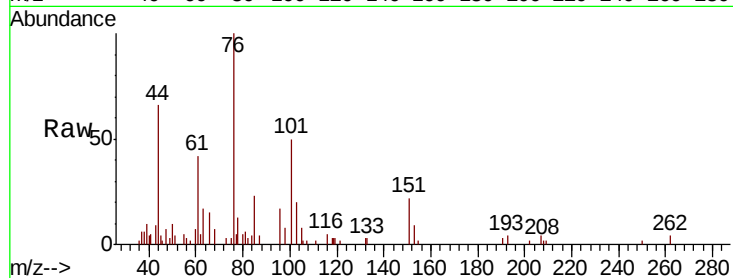
#17
Carbon Disulfide
Concen: 6.30 ug/l m
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 22927
Ion Ratio Lower Upper
76 100
78 12.6 9.3 13.9

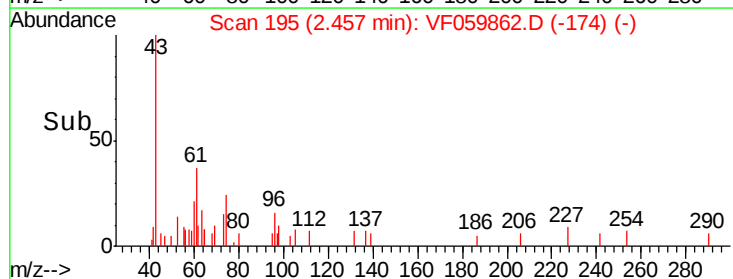
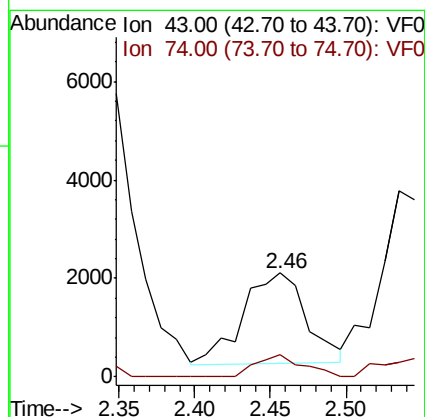
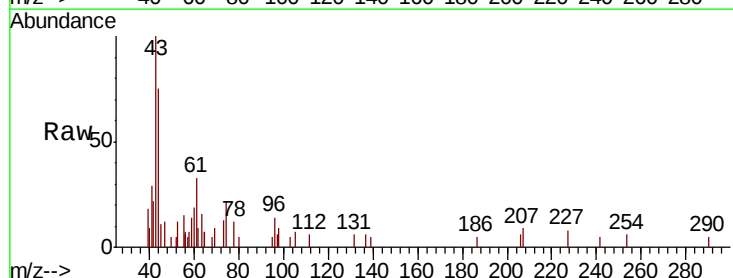
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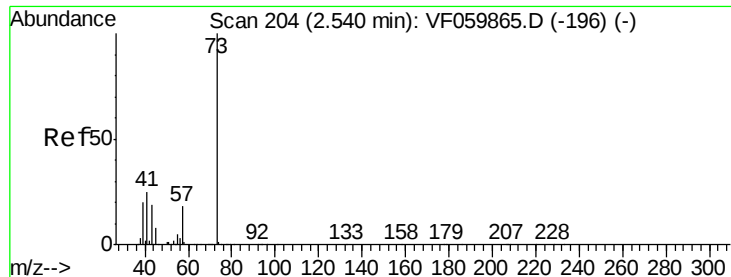
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#18
Methyl Acetate
Concen: 4.90 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion: 43 Resp: 5401
Ion Ratio Lower Upper
43 100
74 21.9 16.3 24.5





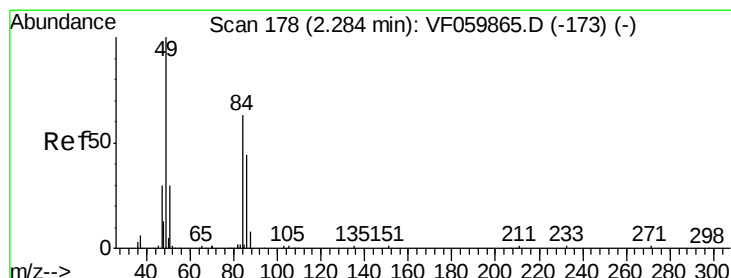
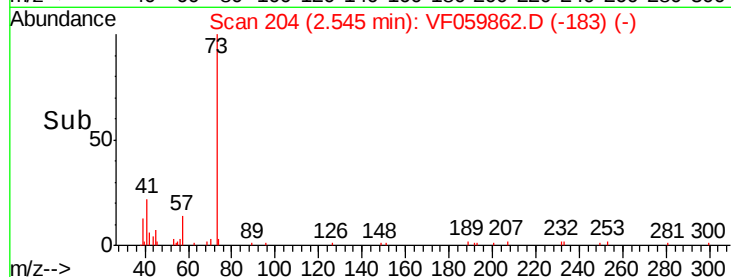
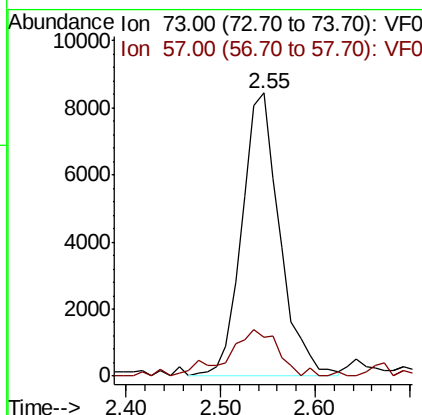
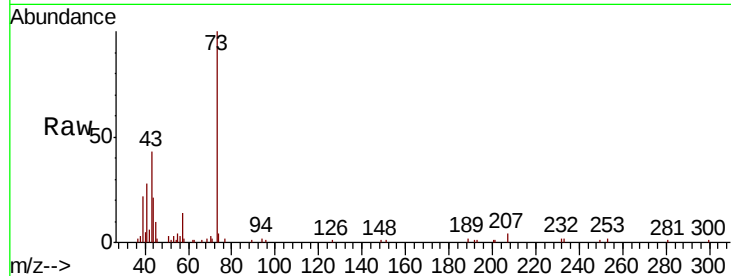
#19
Methvl tert-butvl Ether
Concen: 5.42 ug/l
RT: 2.55 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

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

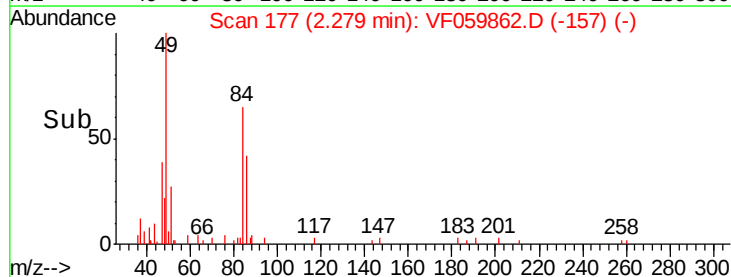
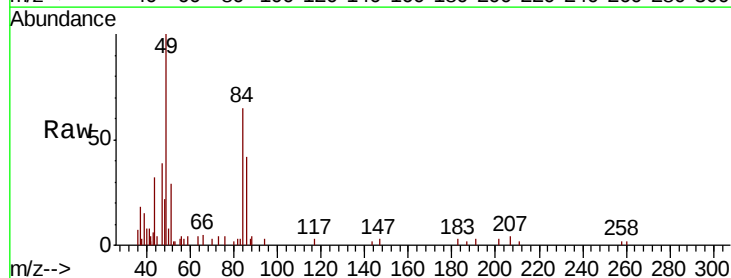
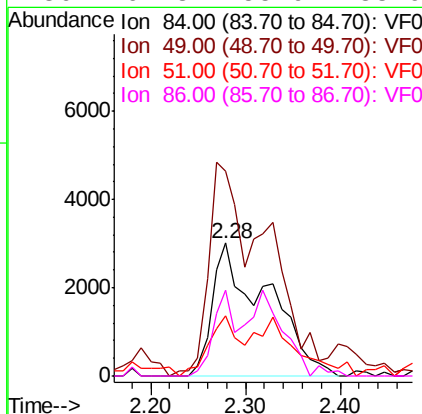
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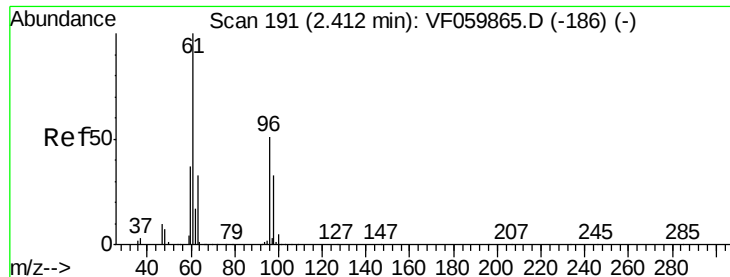
apatel
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#20
Methylene Chloride
Concen: 7.16 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.0	128.7	193.1
51	45.0	39.3	58.9
86	64.3	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 5.75 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

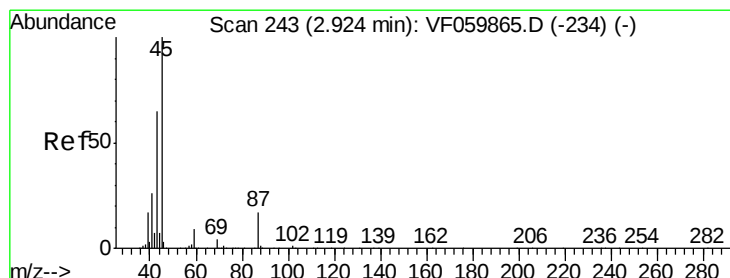
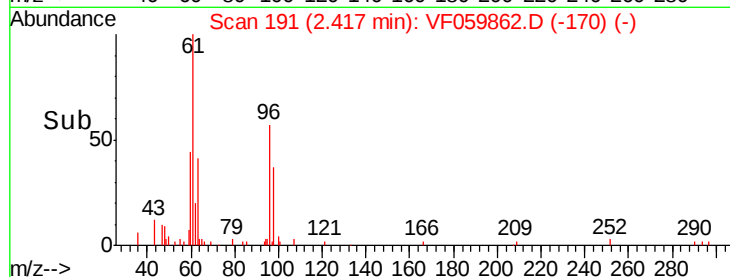
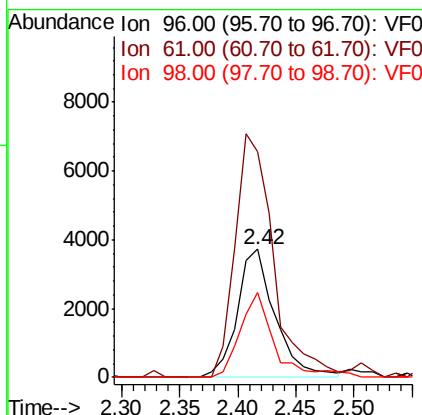
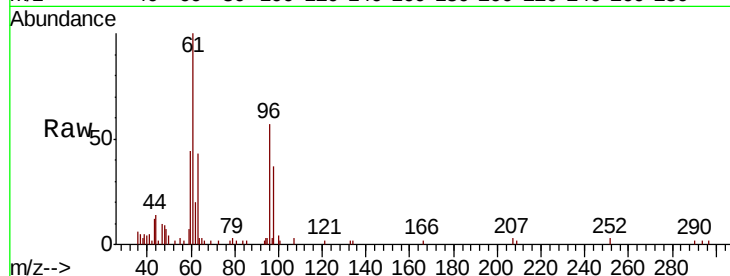
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	8423
Ion	Ratio	Lower	Upper
96	100		
61	177.0	158.2	237.4
98	65.9	52.0	78.0

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#22

Diisopropyl ether

Concen: 5.24 ug/l

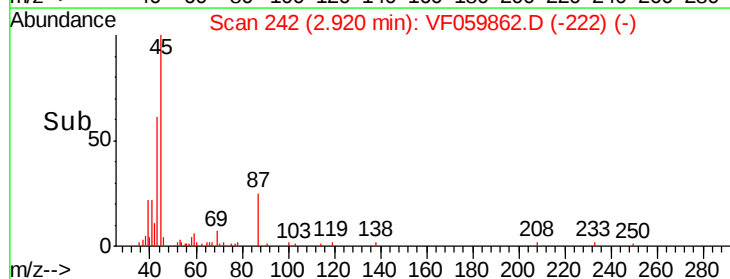
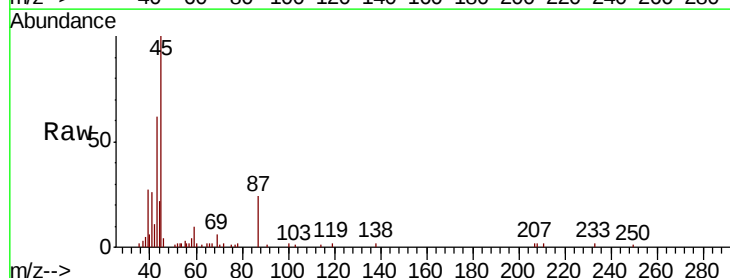
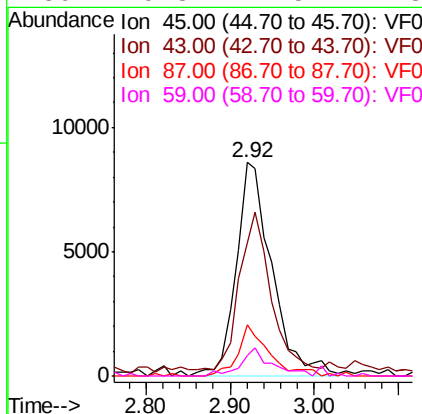
RT: 2.92 min Scan# 242

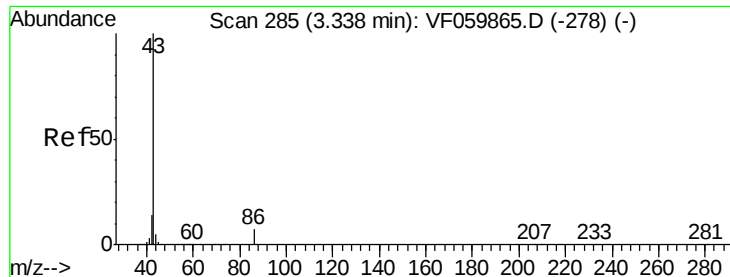
Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	45	Resp:	25489
Ion	Ratio	Lower	Upper
45	100		
43	62.3	52.1	78.1
87	23.7	13.8	20.8#
59	9.8	7.5	11.3





#23

Vinyl Acetate

Concen: 24.86 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 61390

Ion Ratio Lower Upper

43 100

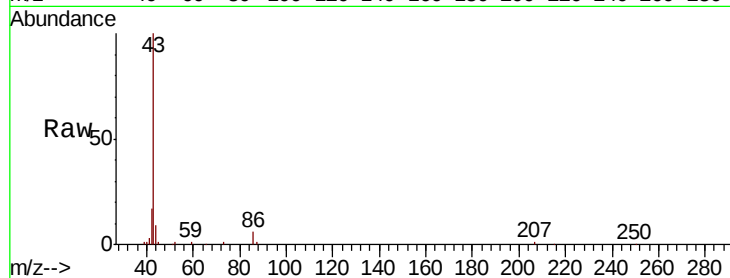
86 6.0 5.6 8.4

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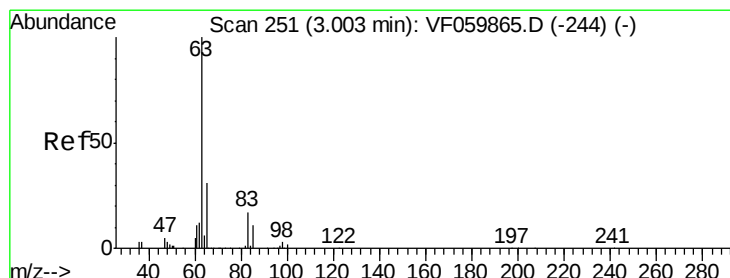
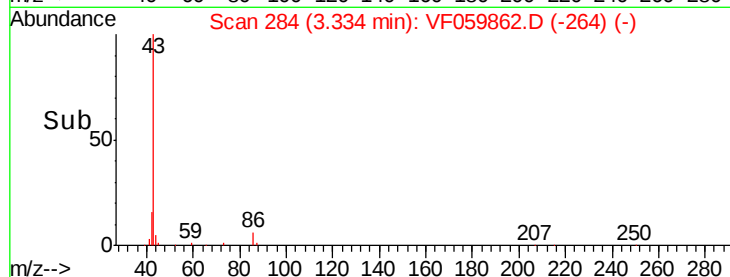
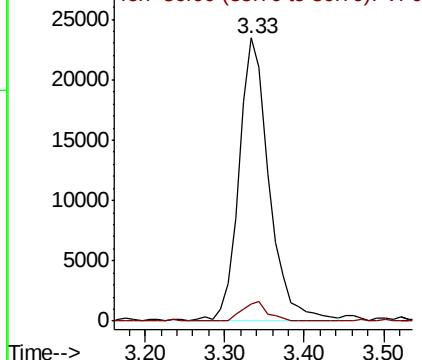
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 6.11 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

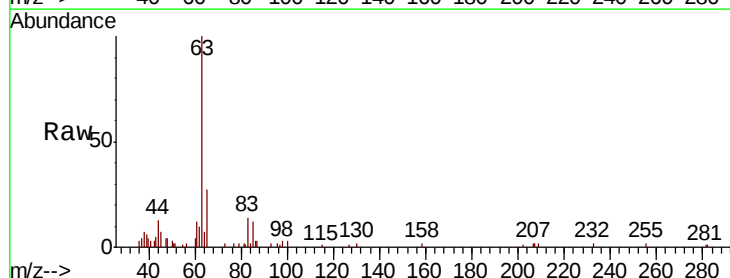
Tgt Ion: 63 Resp: 20844

Ion Ratio Lower Upper

63 100

98 2.7 1.9 5.7

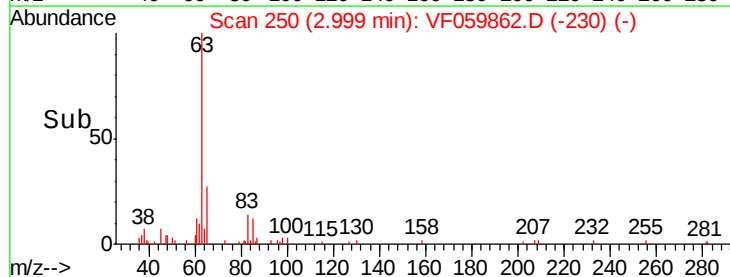
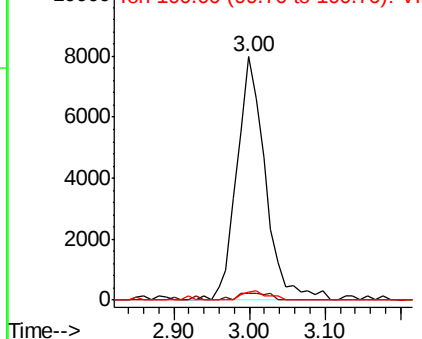
100 3.1 1.1 3.5

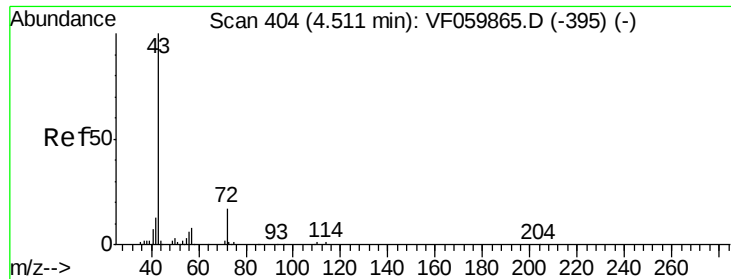


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 25.38 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 16140

Ion Ratio Lower Upper

43 100

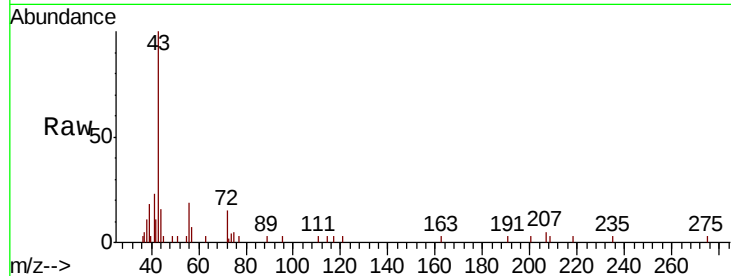
72 15.5 13.9 20.9

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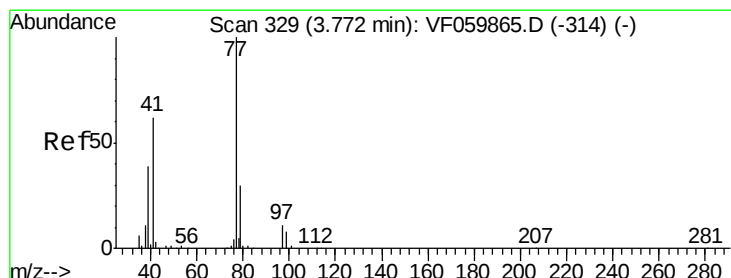
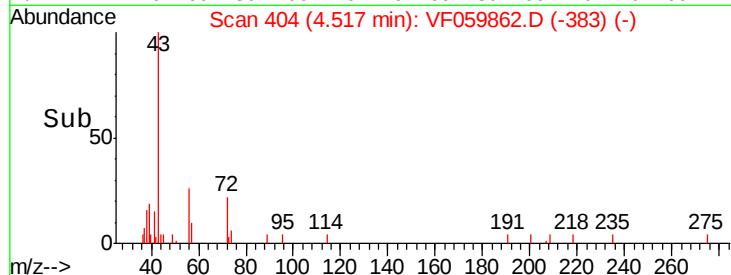
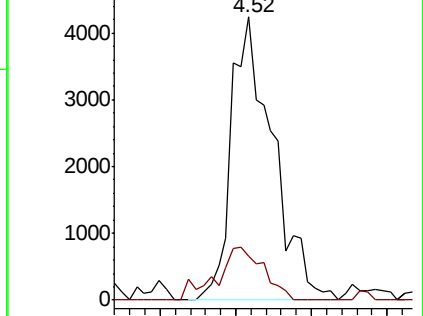
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 5.09 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF059862.D

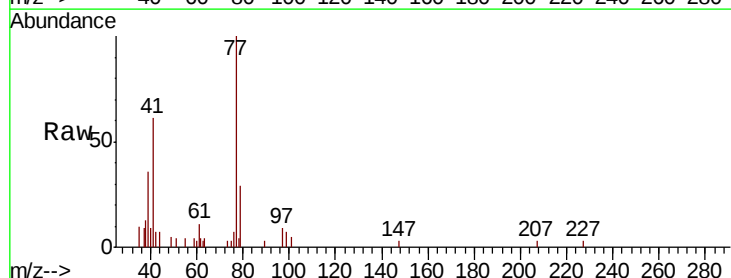
Acq: 4 Aug 2018 3:21

Tgt Ion: 77 Resp: 11950

Ion Ratio Lower Upper

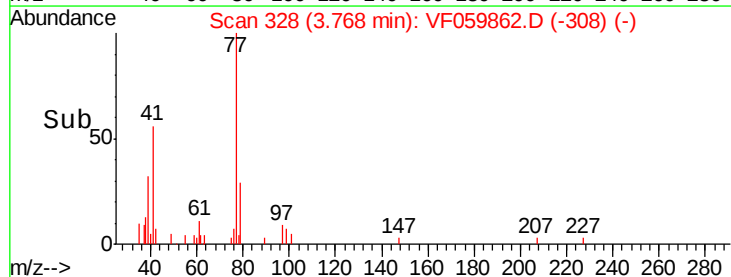
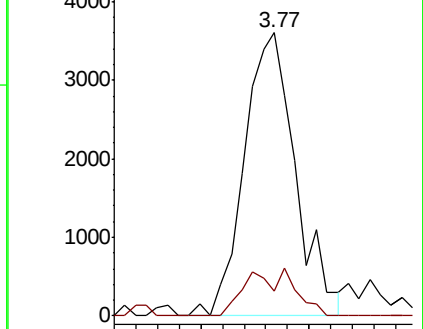
77 100

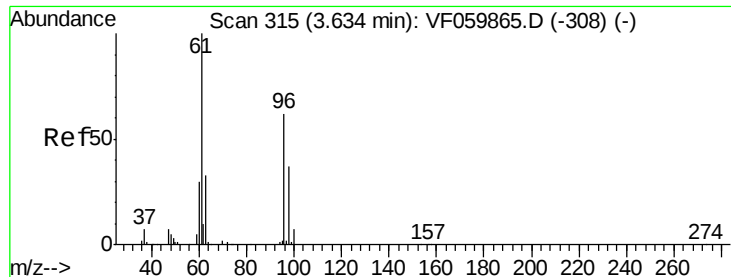
97 8.6 6.8 20.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

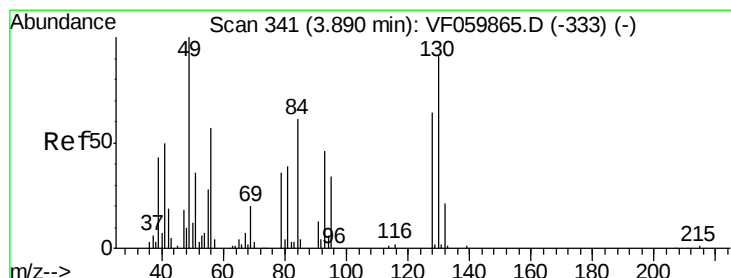
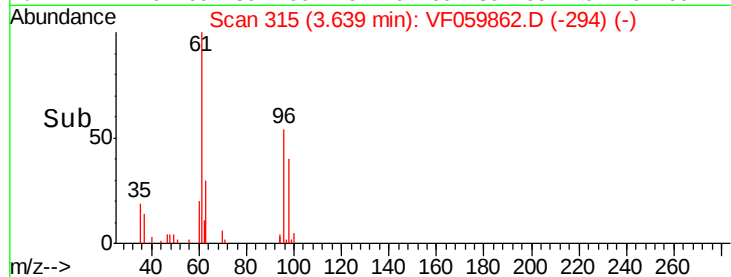
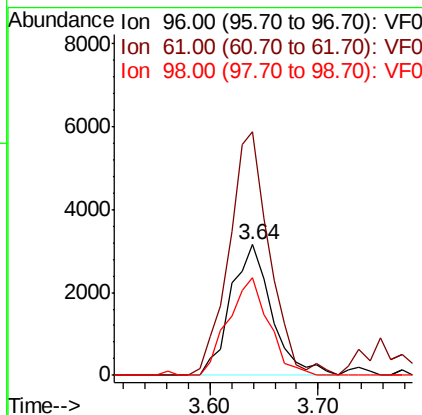
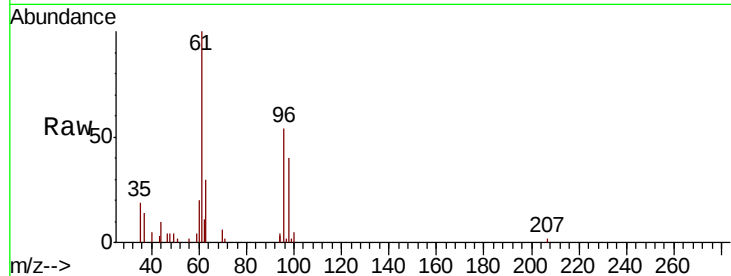
cis-1,2-Dichloroethene
 Concen: 4.63 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	186.8	0.0	320.8
98	75.4	0.0	117.6

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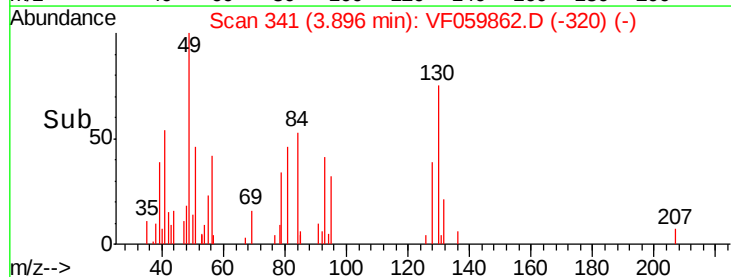
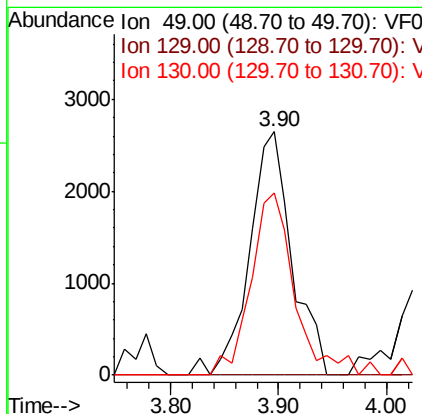
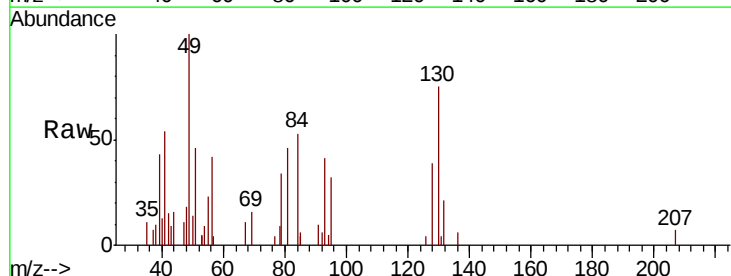
apatel
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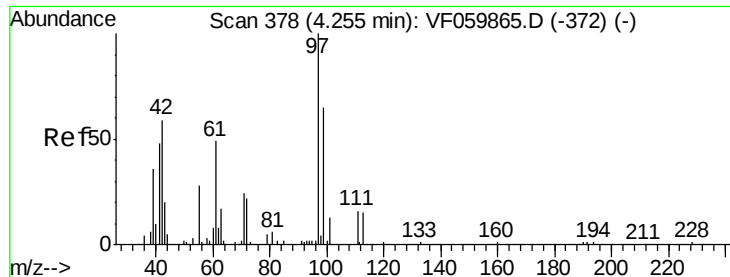


#28

Bromochloromethane
 Concen: 5.47 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	74.8	73.8	110.8





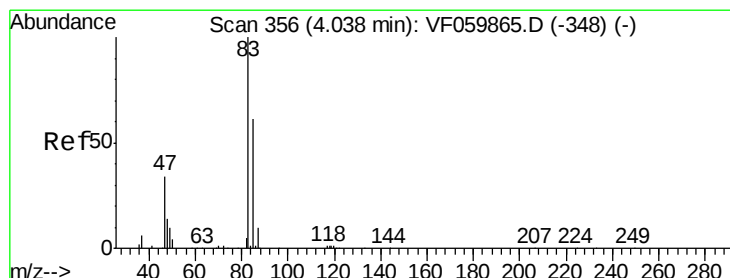
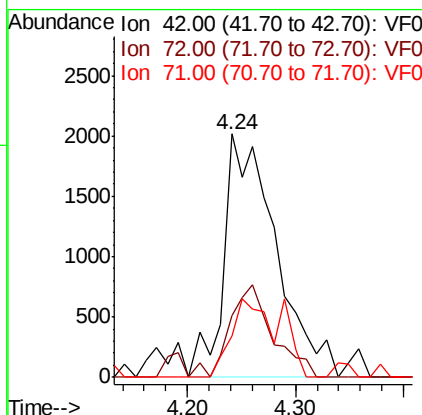
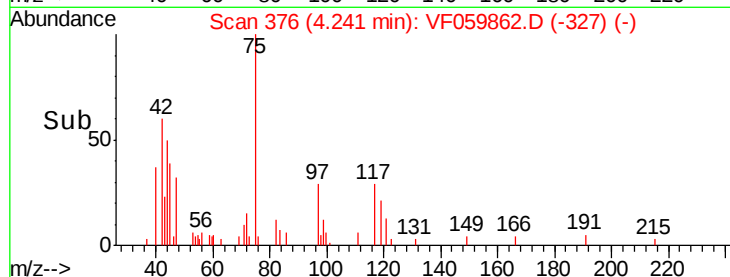
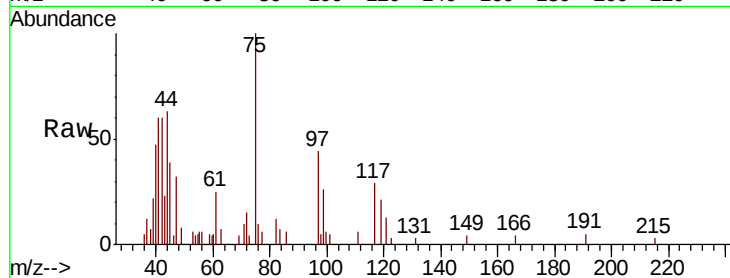
#29
Tetrahydrofuran
Concen: 26.80 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.5	29.3	43.9
71	30.0	30.0	45.0#

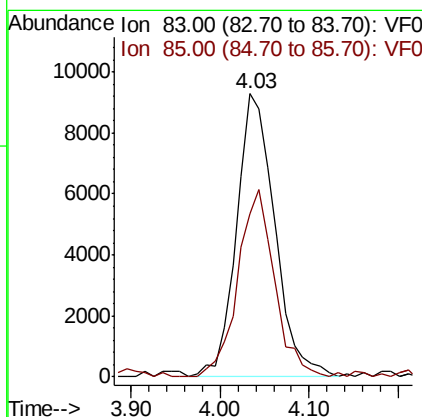
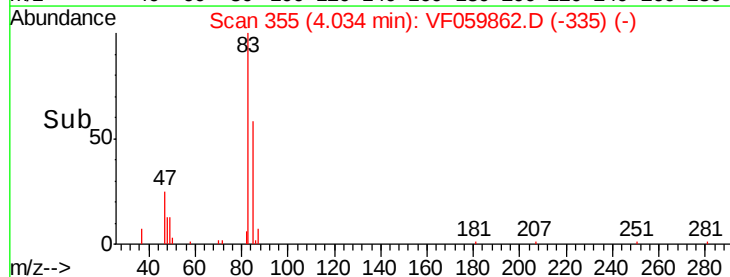
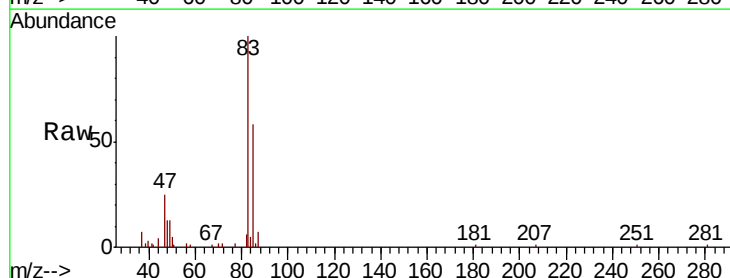
Manual Integrations
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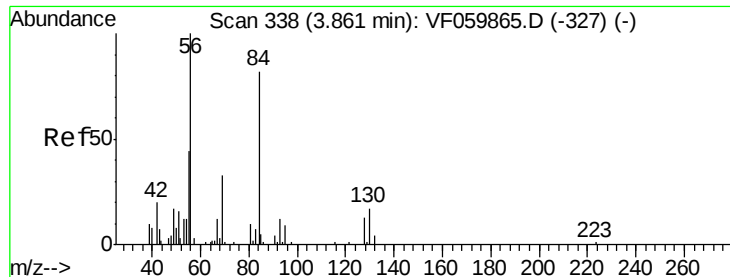
apatel
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#30
Chloroform
Concen: 5.83 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.8	49.3	73.9





#31

Cyclohexane

Concen: 4.63 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

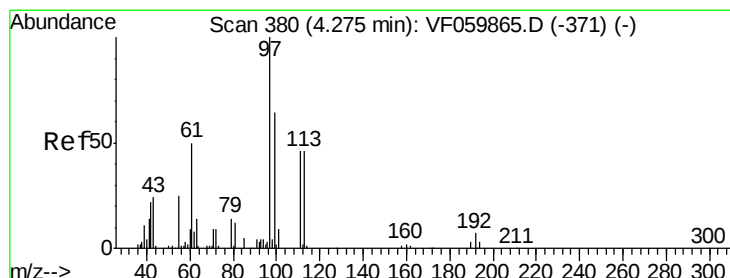
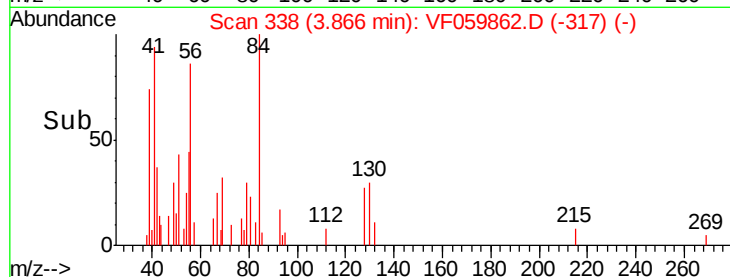
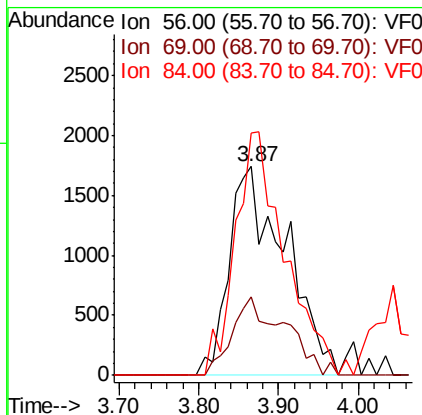
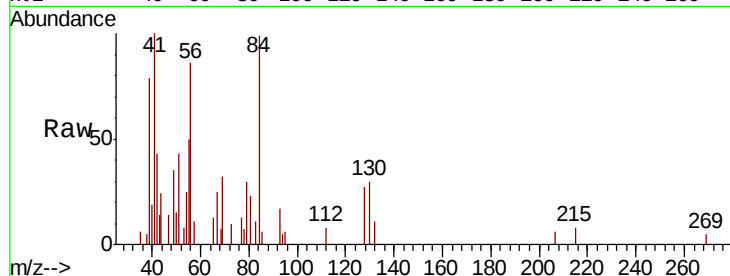
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	8563
Ion Ratio	Lower	Upper	
56	100		
69	37.7	26.7	40.1
84	116.1	65.9	98.9#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 6.05 ug/l

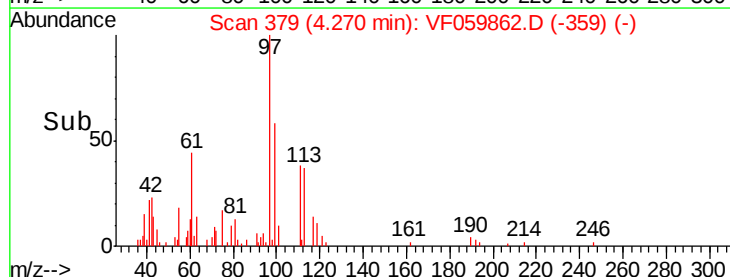
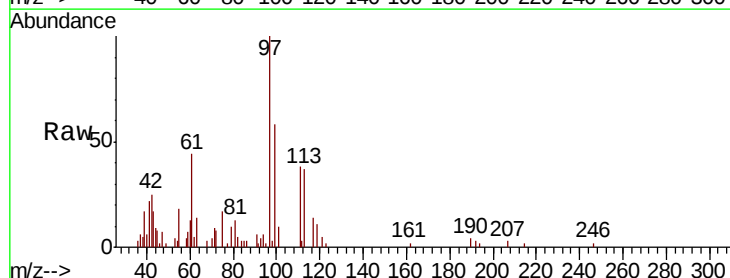
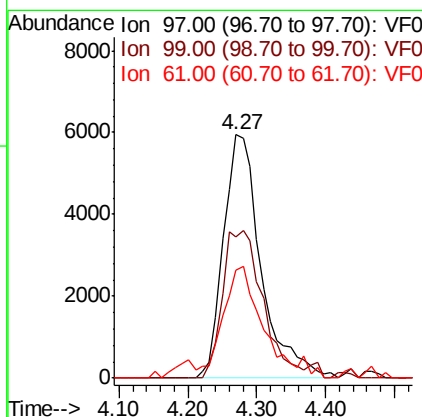
RT: 4.27 min Scan# 379

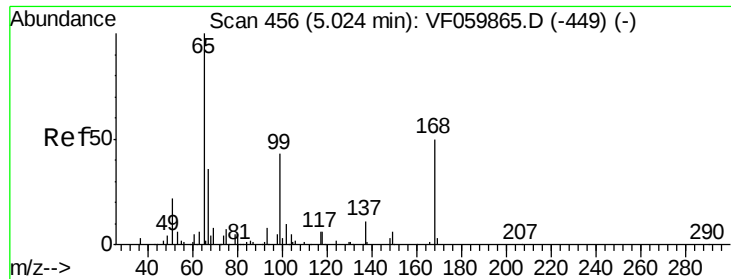
Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	97	Resp:	22535
Ion Ratio	Lower	Upper	
97	100		
99	58.2	51.4	77.2
61	44.3	40.8	61.2





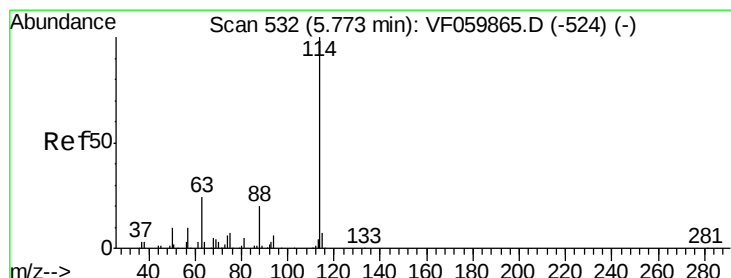
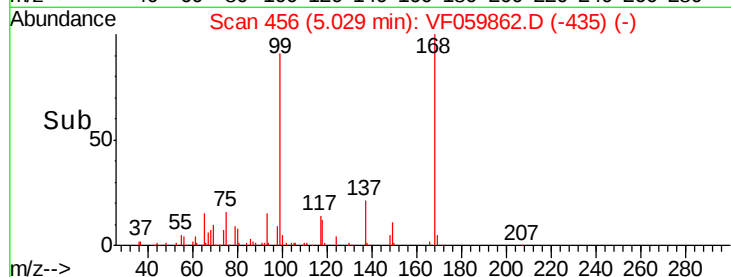
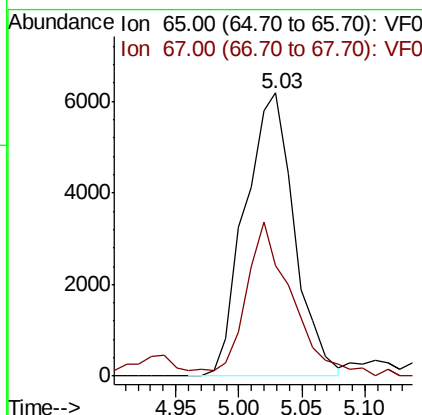
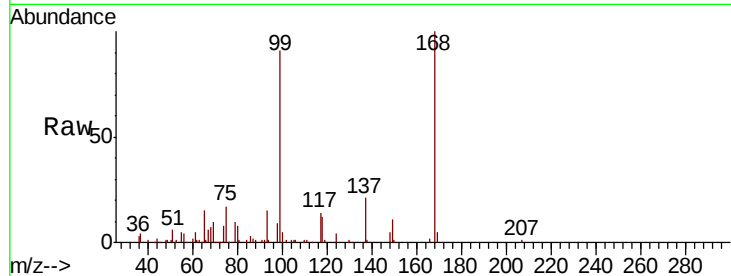
#33
 1,2-Dichloroethane-d4
 Concen: 5.11 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	16809		
67	38.9	0.0	77.2	

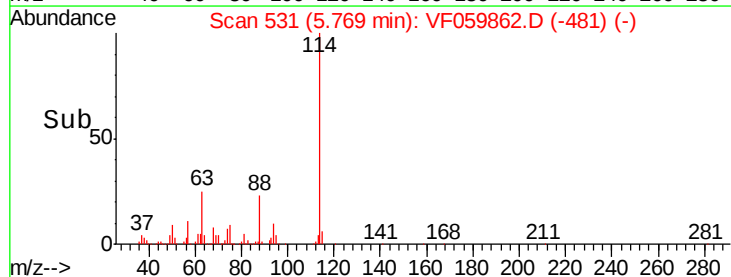
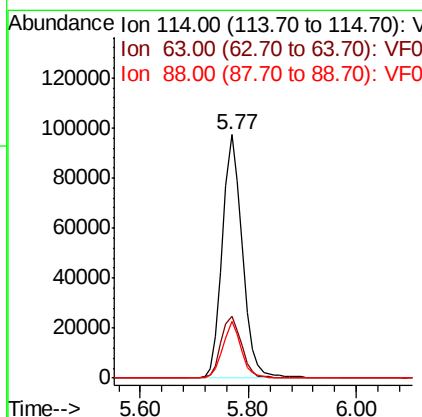
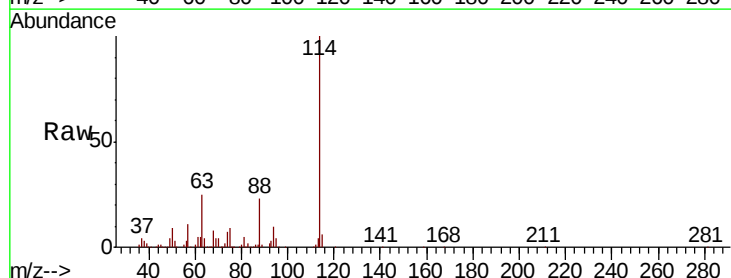
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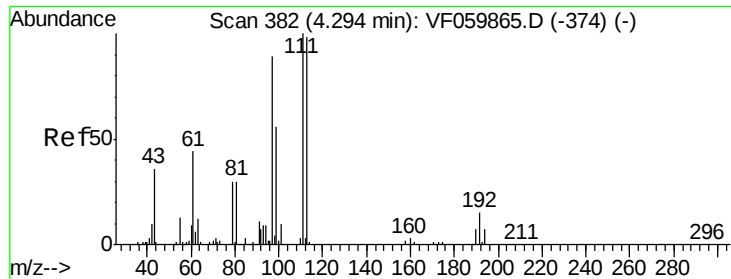
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	250389		
63	25.3	0.0	48.0	
88	23.3	0.0	39.4	





#35

Dibromofluoromethane

Concen: 5.34 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

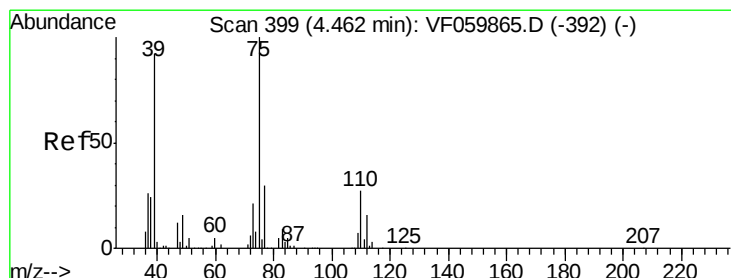
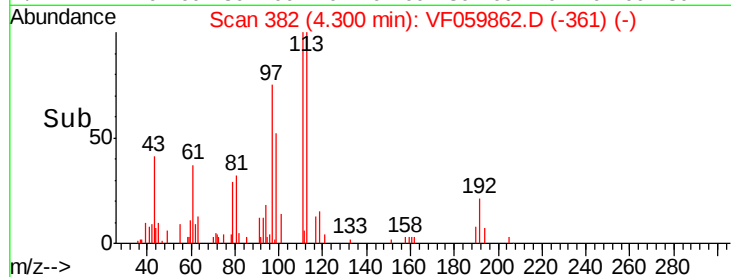
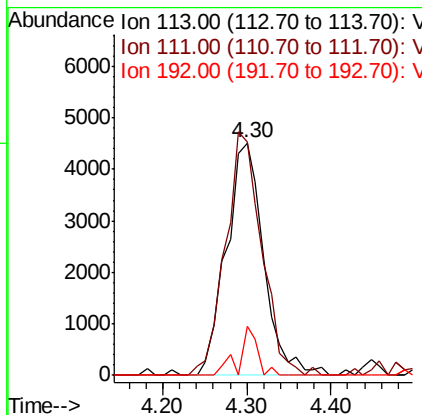
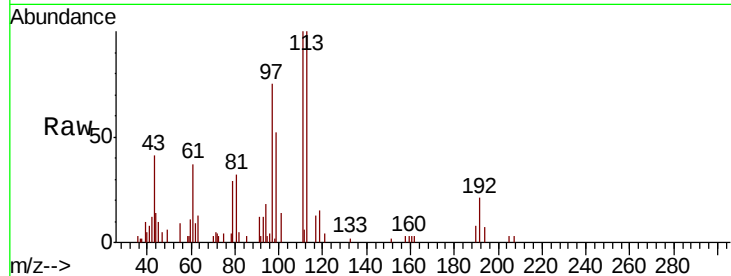
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.8	122.8
192	21.2	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 5.26 ug/l

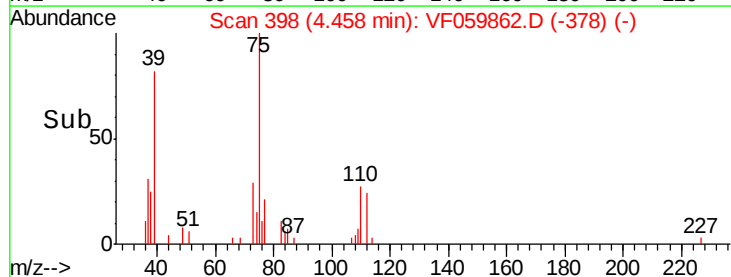
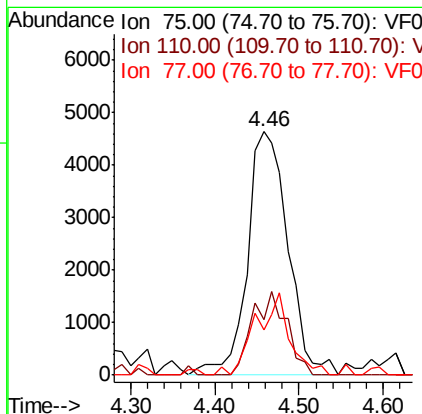
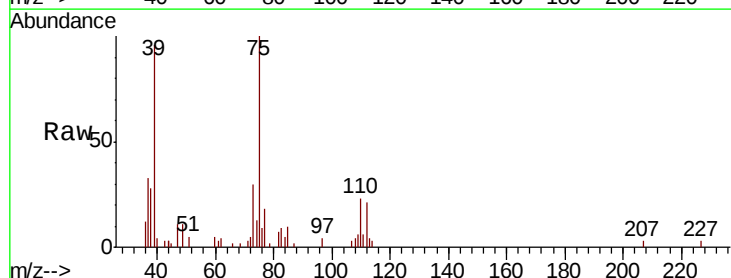
RT: 4.46 min Scan# 398

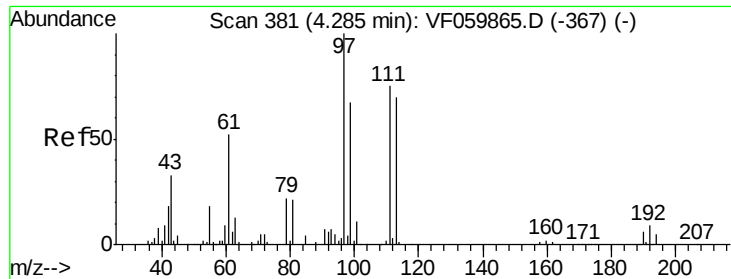
Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	22.7	13.6	40.7
77	18.4	23.7	35.5





#37

Ethyl Acetate

Concen: 4.42 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

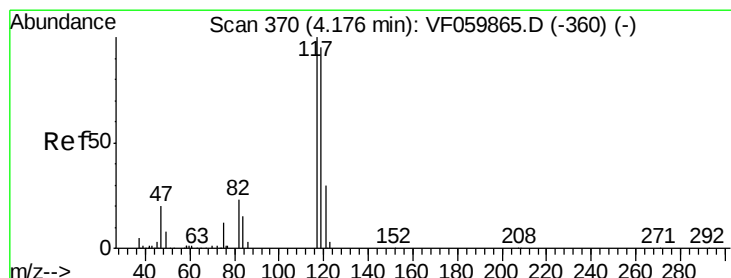
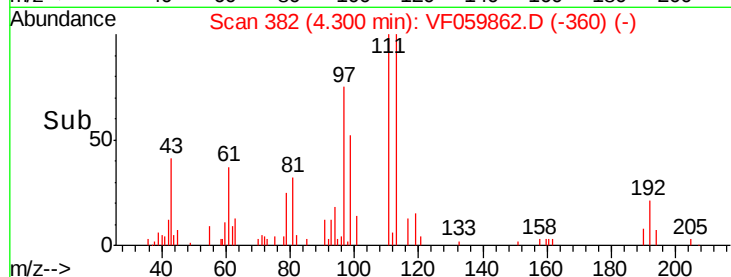
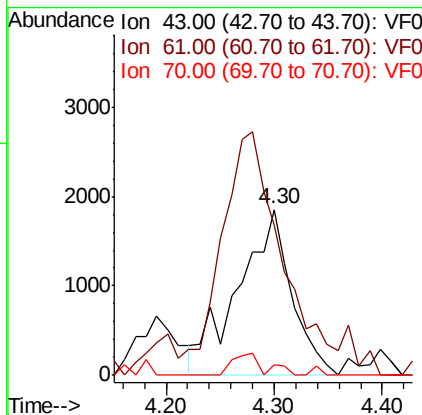
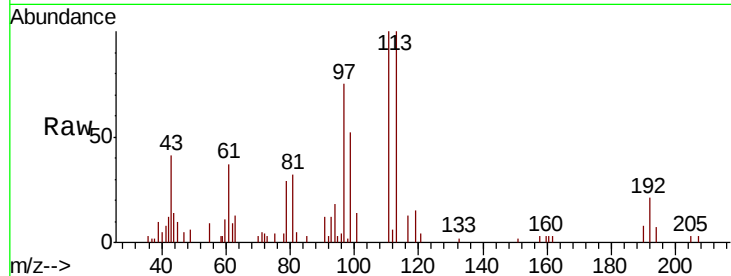
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	6405
Ion	Ratio	Lower	Upper
43	100		
61	90.7	123.7	185.5#
70	6.7	7.8	11.8#

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#38

Carbon Tetrachloride

Concen: 6.09 ug/l m

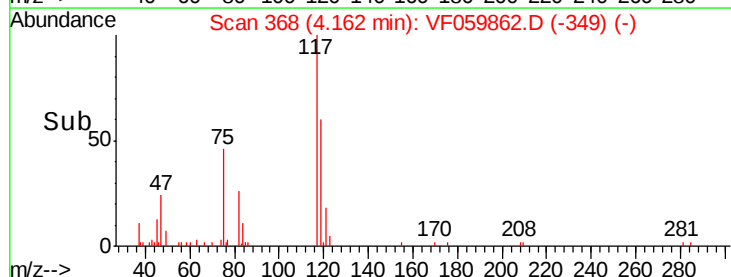
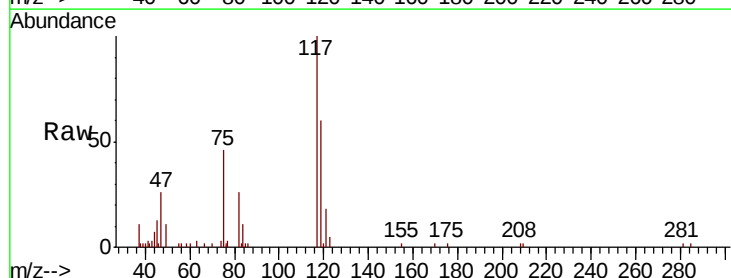
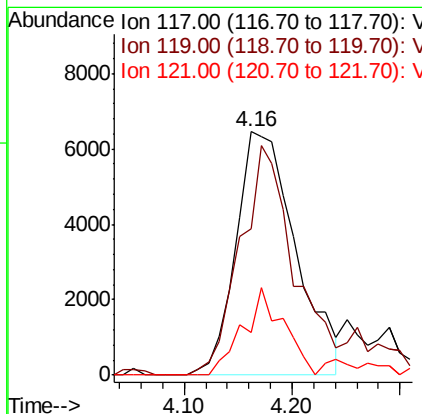
RT: 4.16 min Scan# 368

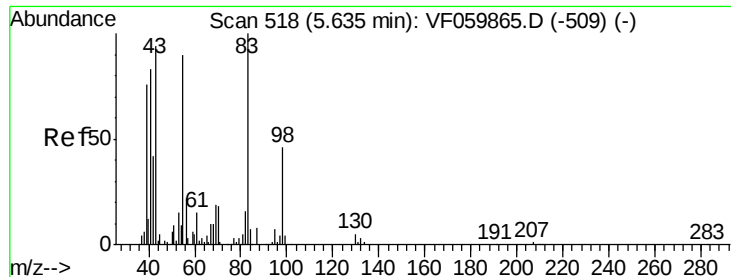
Delta R.T. -0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	117	Resp:	24870
Ion	Ratio	Lower	Upper
117	100		
119	60.2	76.5	114.7#
121	17.7	23.8	35.8#





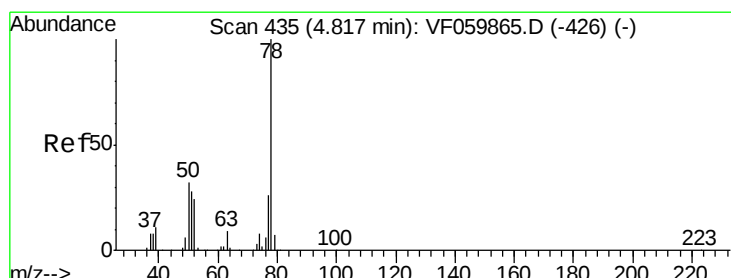
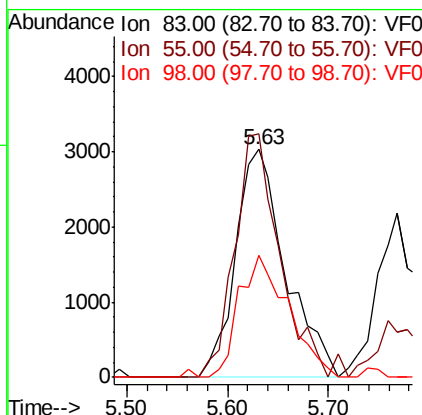
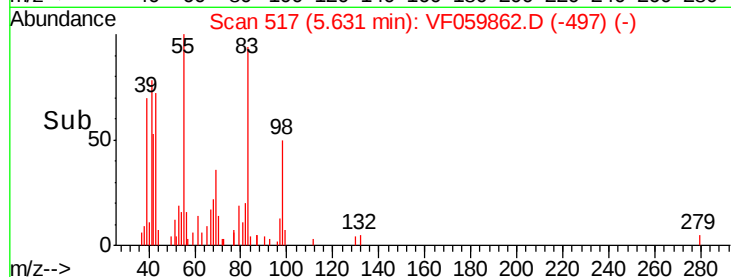
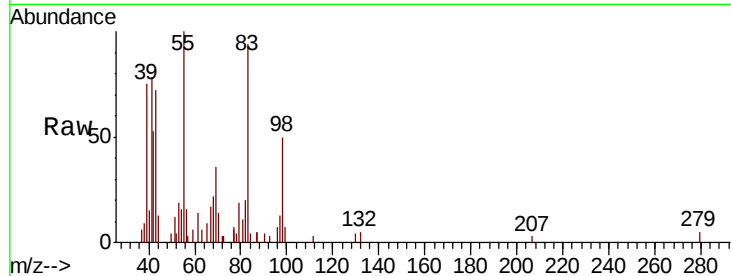
#39
Methvlcvclohexane
Concen: 4.67 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	106.8	72.0	108.0
98	53.3	36.6	54.8

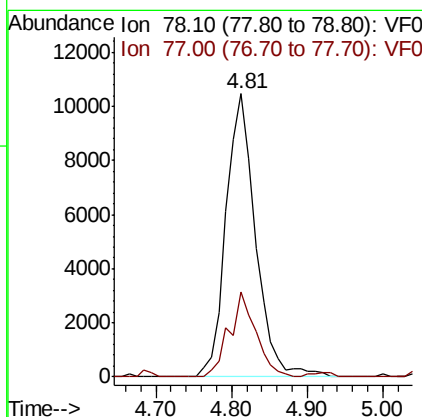
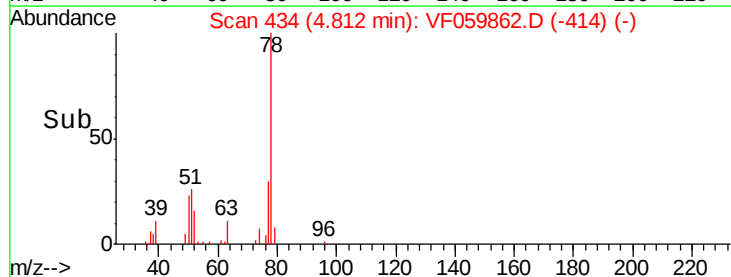
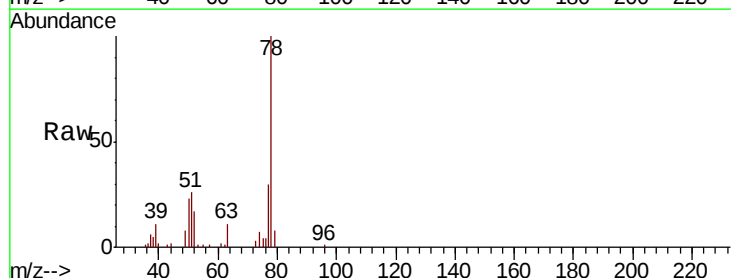
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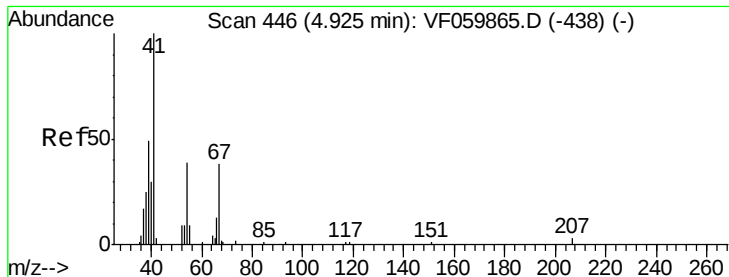
apatel
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#40
Benzene
Concen: 5.47 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.8	20.7	31.1





#41

Methacrylonitrile

Concen: 5.29 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

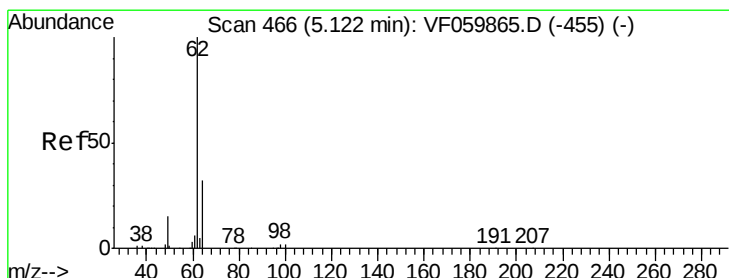
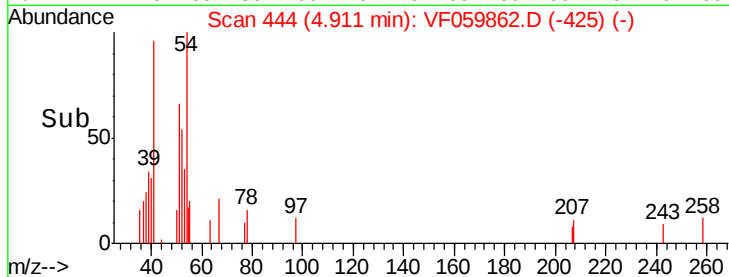
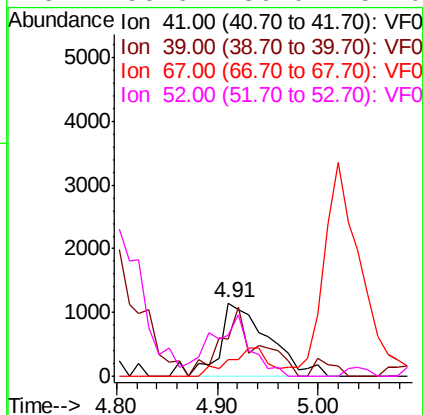
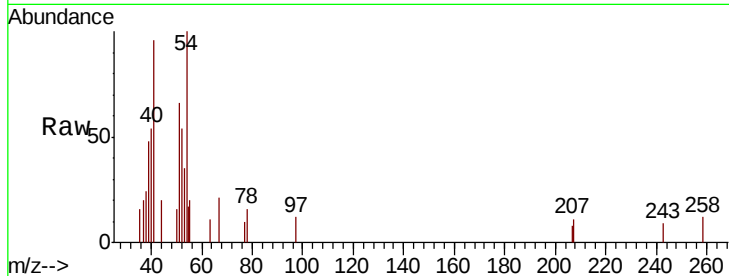
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	3768
Ion	Ratio	Lower	Upper
41	100		
39	50.0	55.1	82.7#
67	22.3	30.3	45.5#
52	56.6	36.0	54.0#

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#42

1,2-Dichloroethane

Concen: 6.13 ug/l

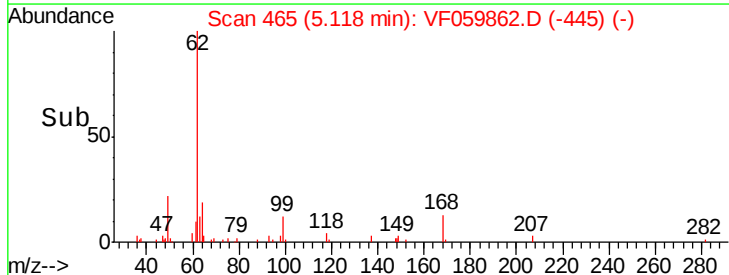
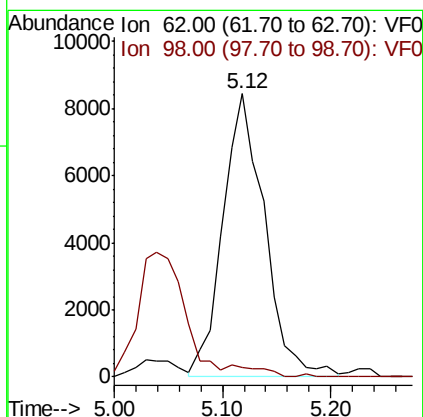
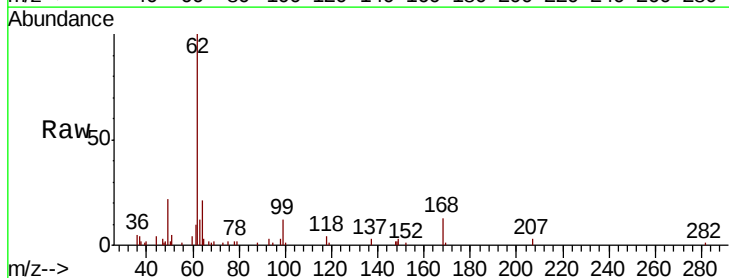
RT: 5.12 min Scan# 465

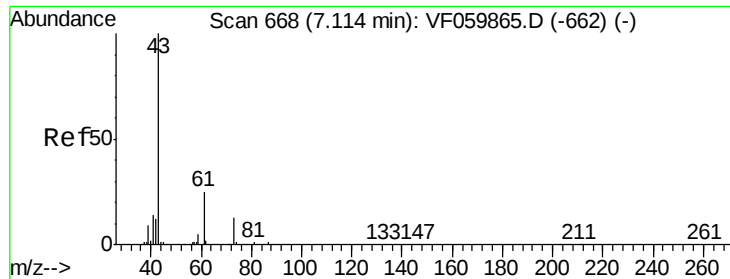
Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	62	Resp:	22615
Ion	Ratio	Lower	Upper
62	100		
98	3.4	0.0	7.6





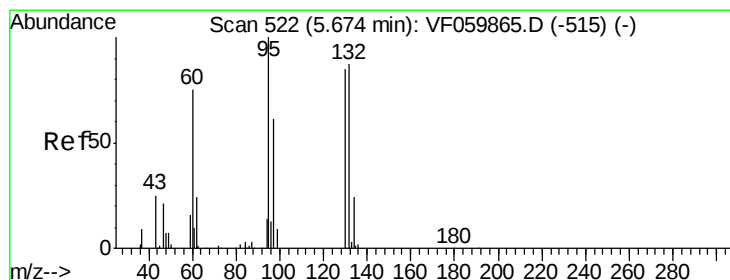
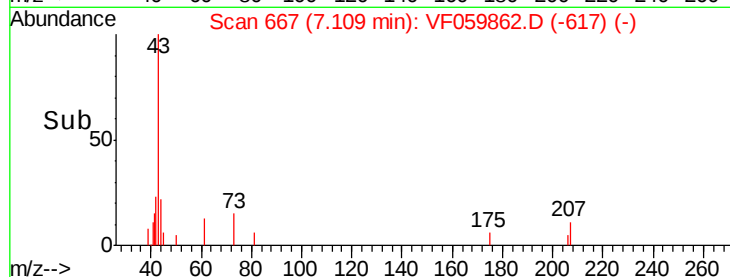
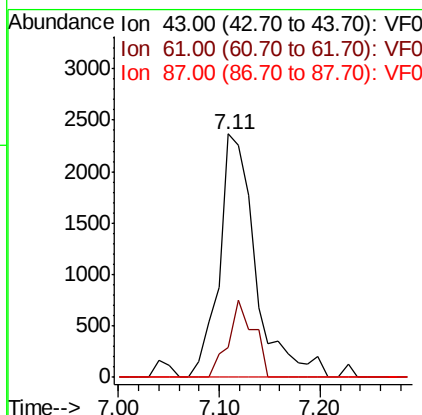
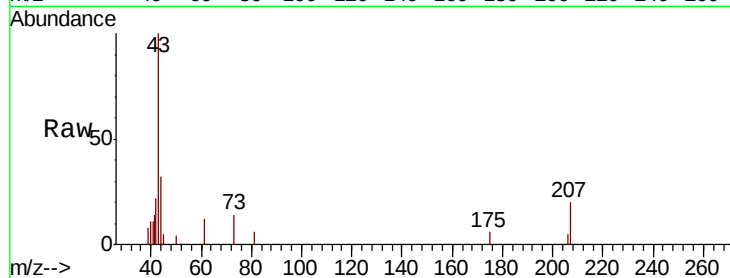
#43
Isopropyl Acetate
Concen: 3.98 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	20.3	30.5#
87	0.0	0.7	1.1#

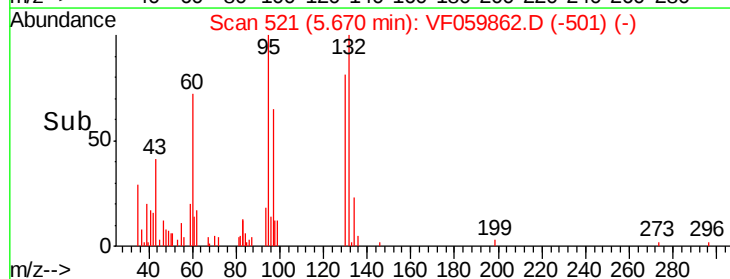
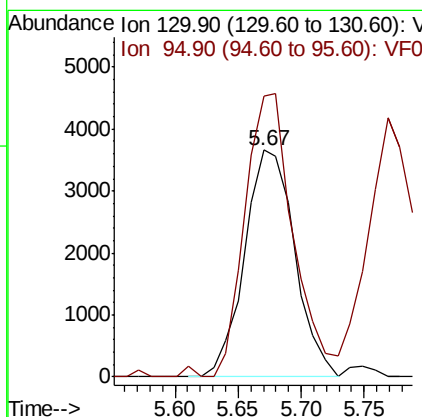
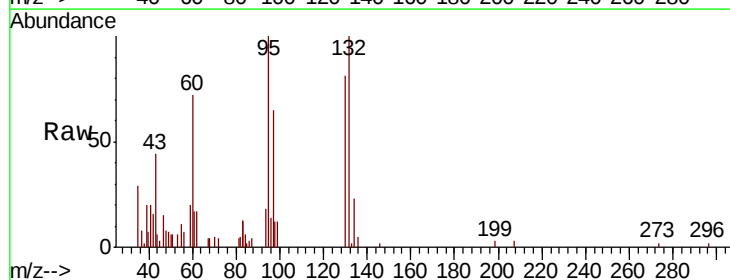
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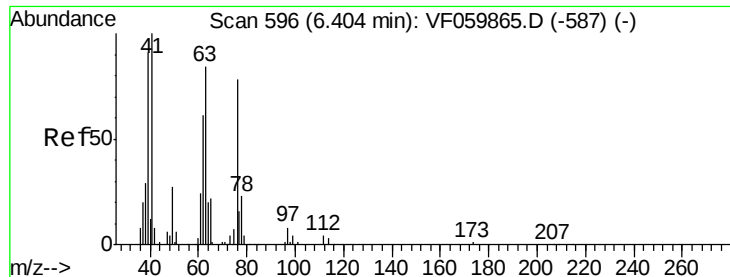
apatel
8/6/2018 10:25:40 AM



#44
Trichloroethene
Concen: 5.03 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	123.7	0.0	236.8





#45

1,2-Dichloropropane

Concen: 4.69 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 6363

Ion Ratio Lower Upper

63 100

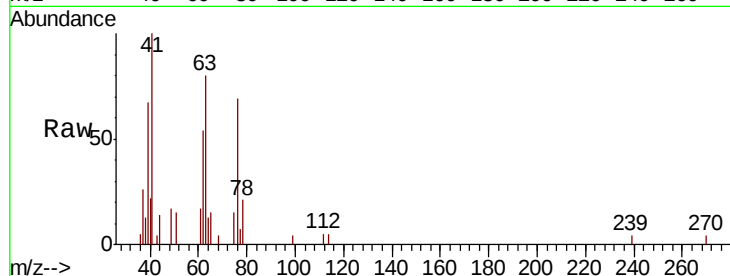
65 18.3 20.4 30.6#

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

2500

2000

1500

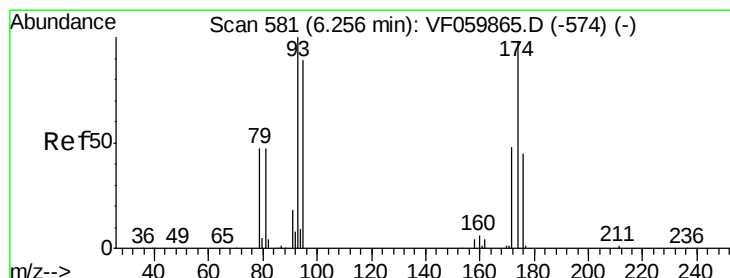
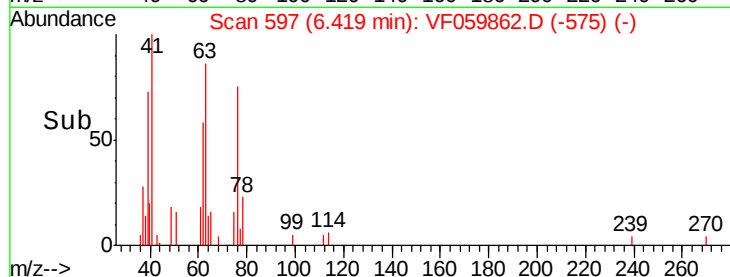
1000

500

0

6.30 6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 5.40 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

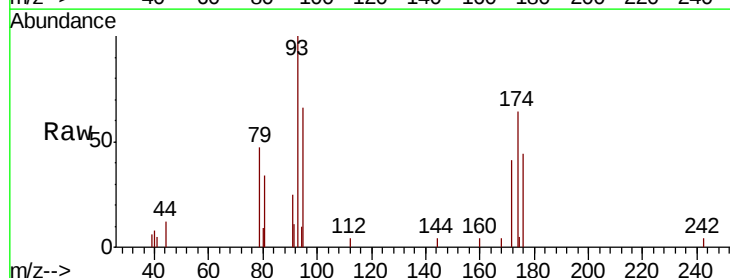
Tgt Ion: 93 Resp: 6982

Ion Ratio Lower Upper

93 100

95 65.7 71.4 107.2#

174 68.8 78.1 117.1#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

4000

3000

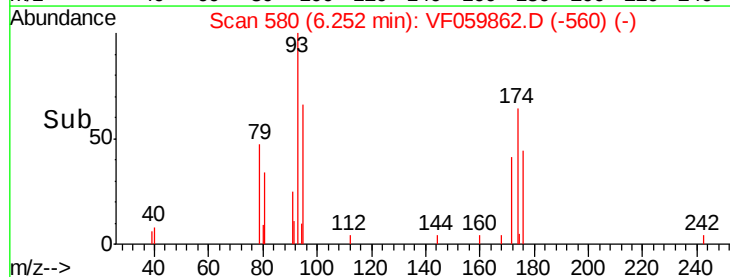
2000

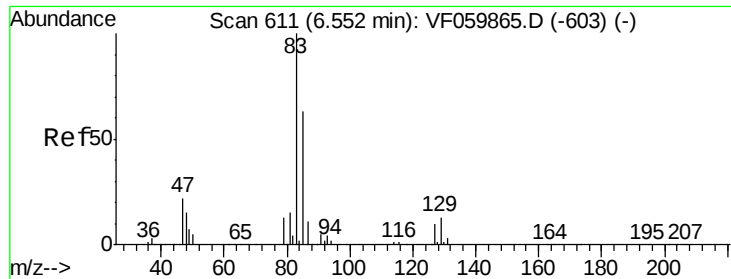
1000

0

6.20 6.25 6.30

Time-->





#47

Bromodichloromethane

Concen: 5.62 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

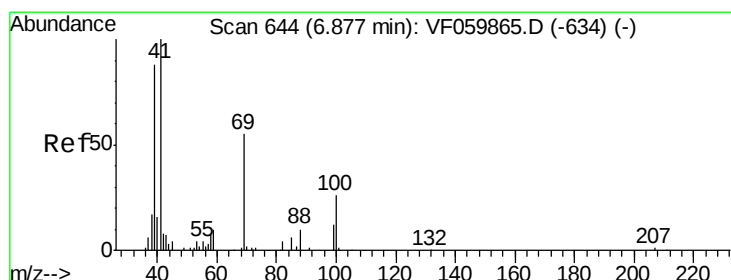
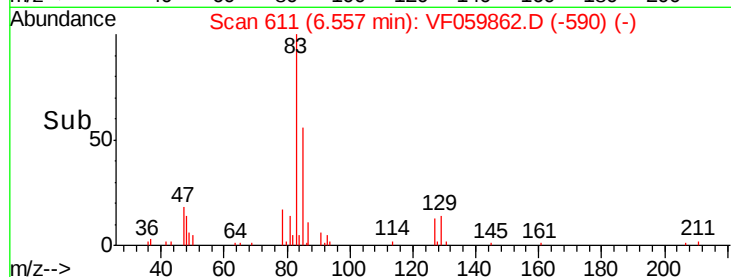
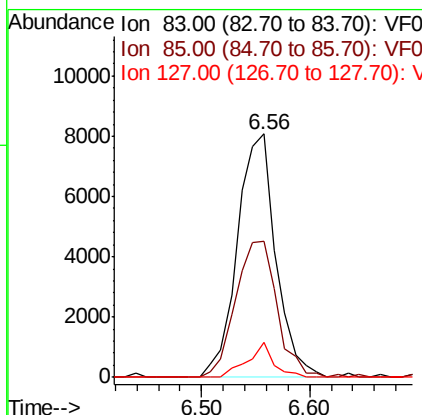
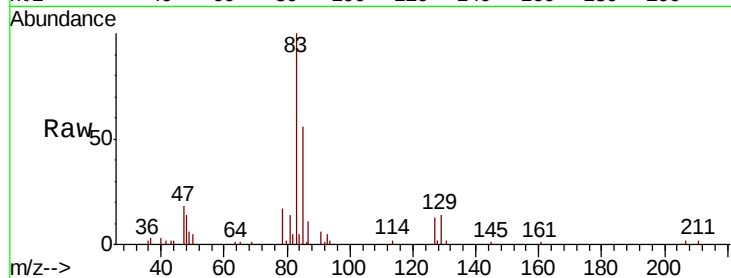
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19935
Ion	Ratio	Lower	Upper
83	100		
85	55.8	50.7	76.1
127	14.4	8.0	12.0#

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#48

Methyl methacrylate

Concen: 3.44 ug/l

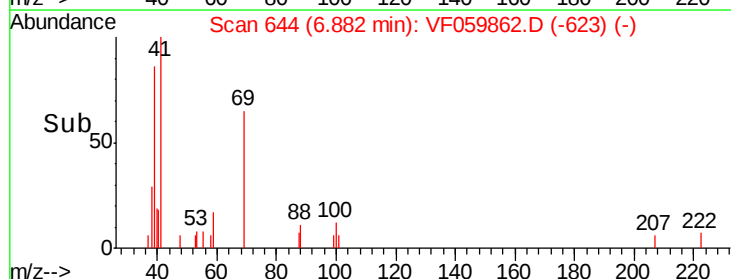
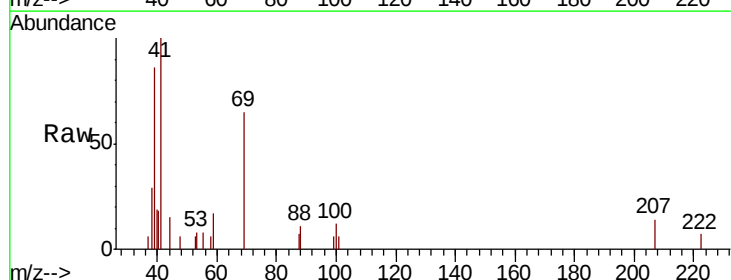
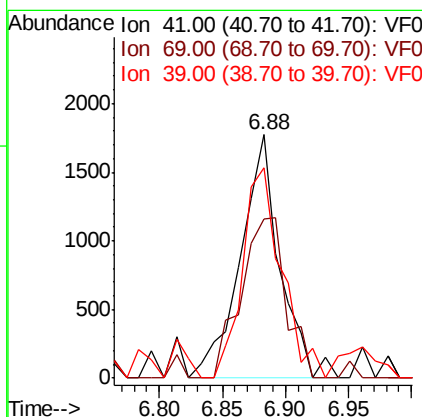
RT: 6.88 min Scan# 644

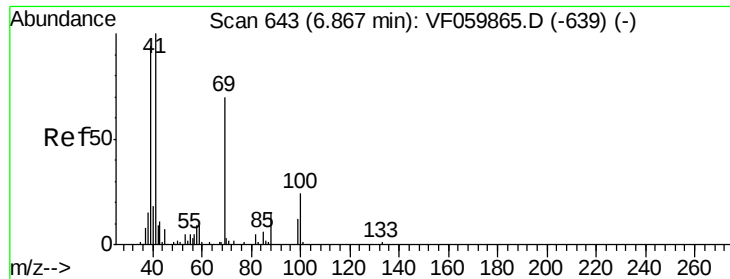
Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	41	Resp:	3867
Ion	Ratio	Lower	Upper
41	100		
69	65.4	44.4	66.6
39	86.2	70.6	106.0





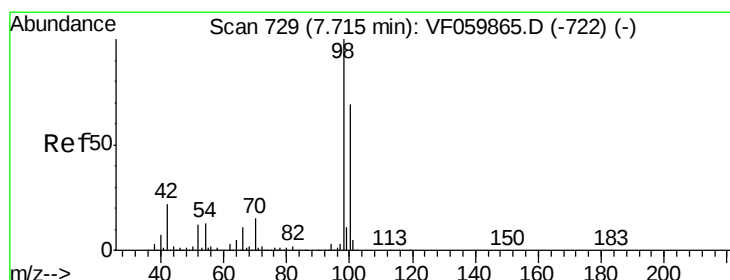
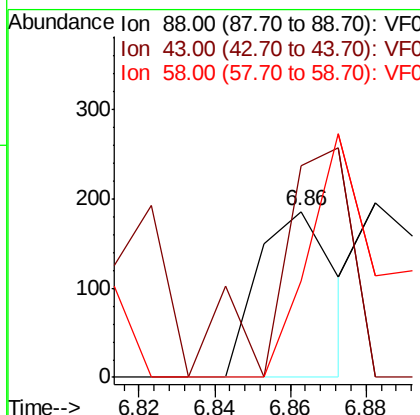
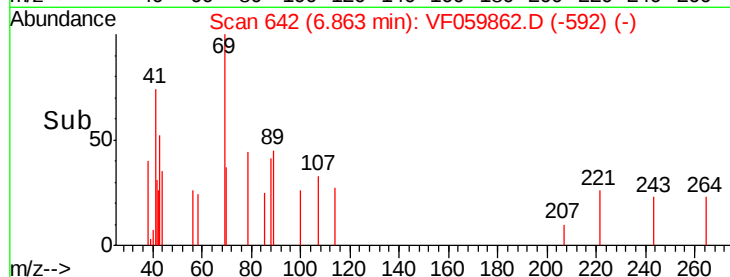
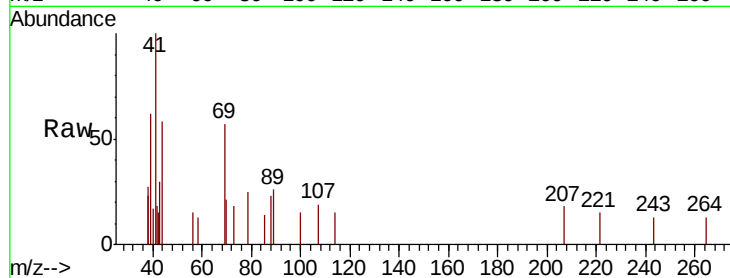
#49
1,4-Dioxane
Concen: 30.56 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	127.4	58.3	87.5#
58	58.1	49.4	74.2

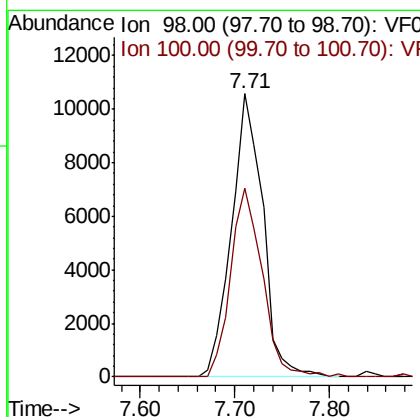
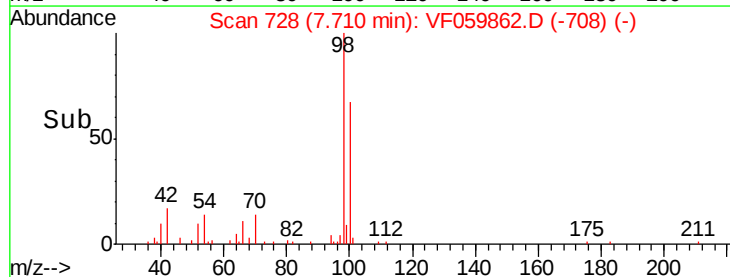
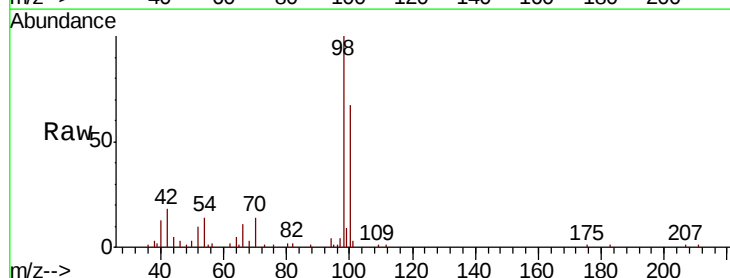
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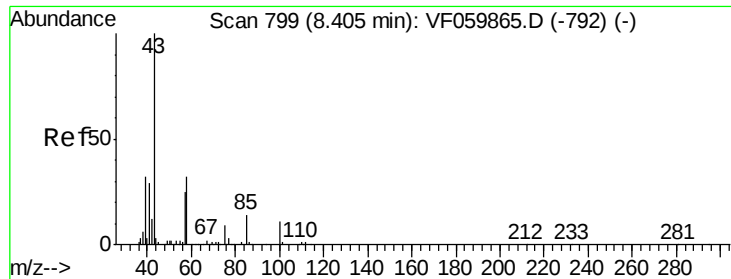
apatel
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#50
Toluene-d8
Concen: 4.01 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 25.30 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 29892

Ion Ratio Lower Upper

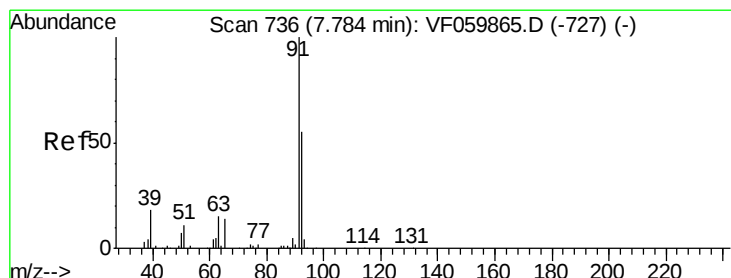
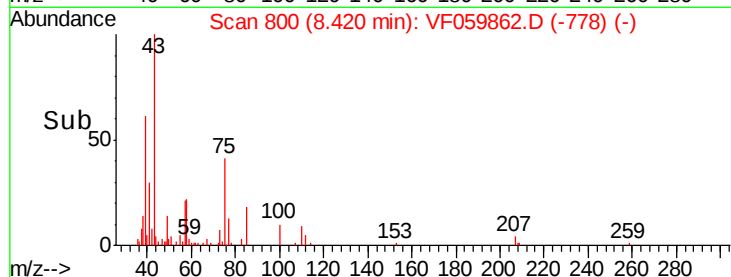
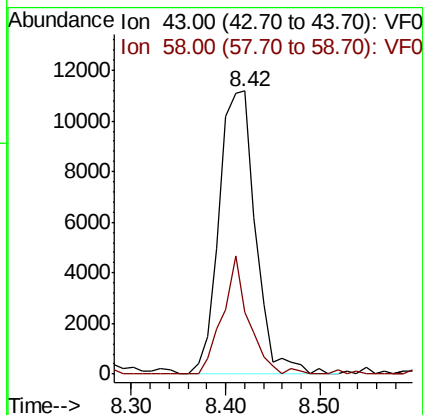
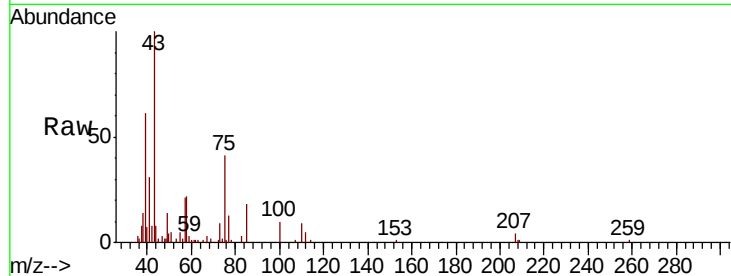
43 100

58 21.8 25.4 38.0#

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#52

Toluene

Concen: 4.66 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059862.D

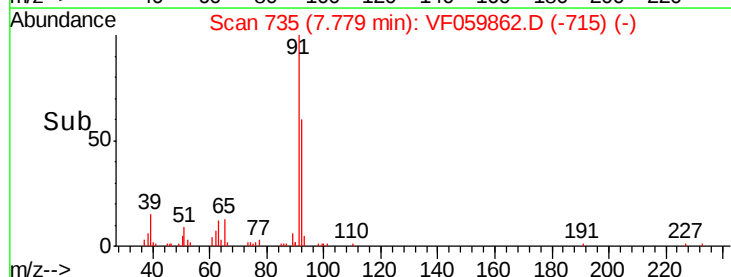
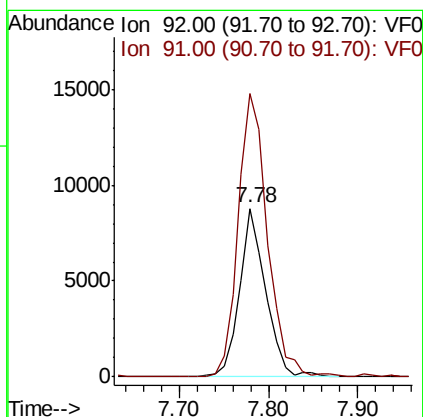
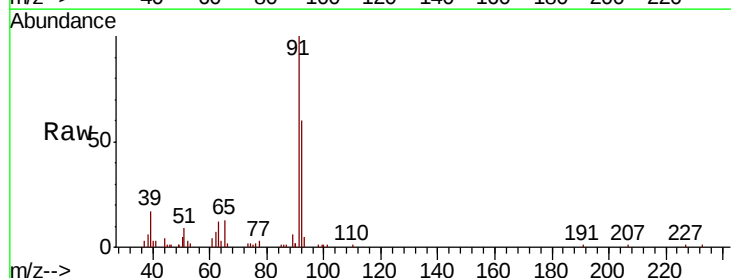
Acq: 4 Aug 2018 3:21

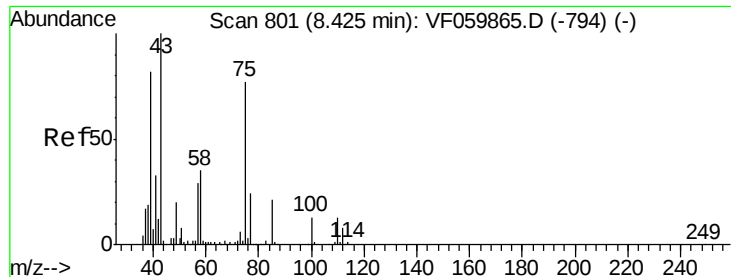
Tgt Ion: 92 Resp: 17864

Ion Ratio Lower Upper

92 100

91 168.0 145.7 218.5





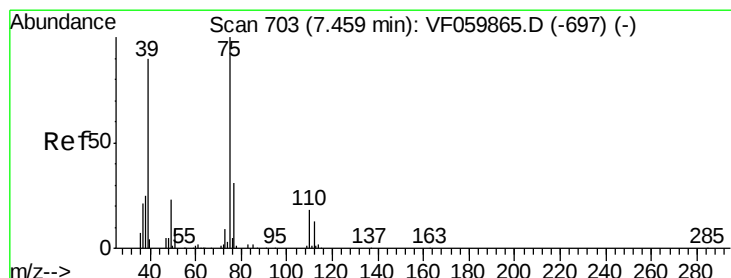
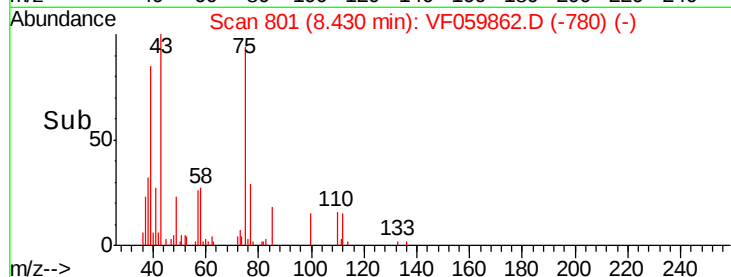
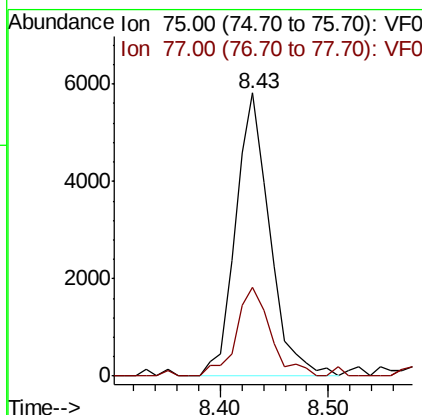
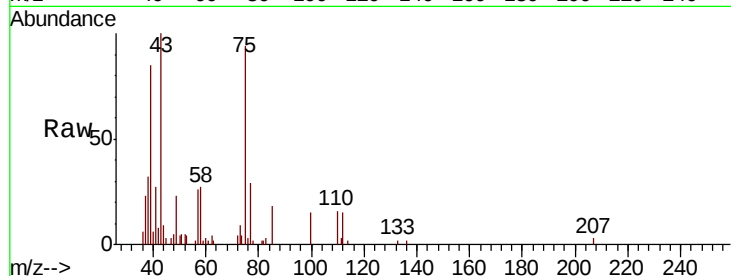
#53
 t-1,3-Dichloropropene
 Concen: 4.22 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.5	36.7

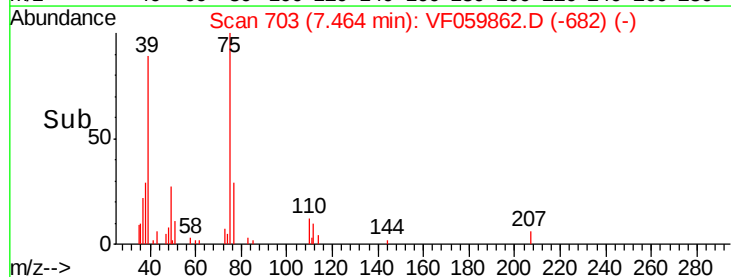
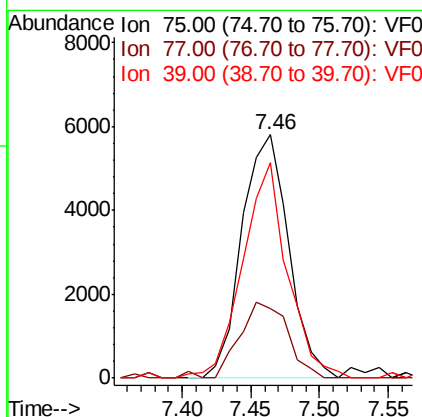
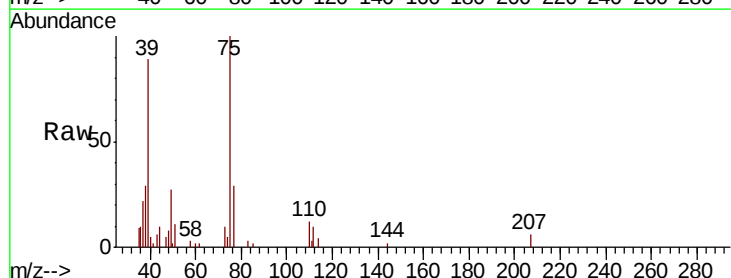
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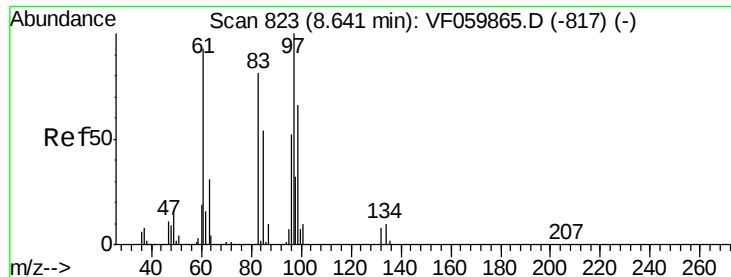
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 4.65 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.6	24.7	37.1
39	88.6	72.0	108.0





#55

1,1,2-Trichloroethane

Concen: 4.89 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

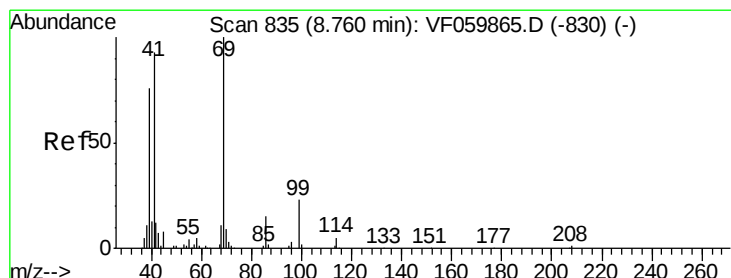
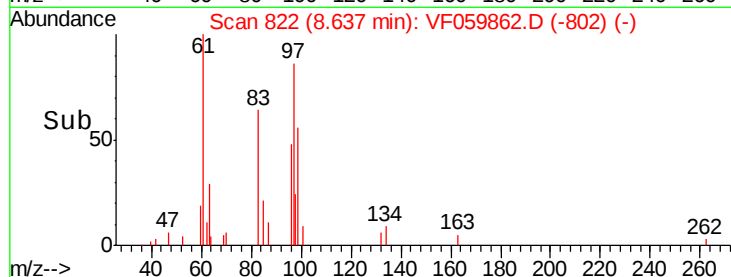
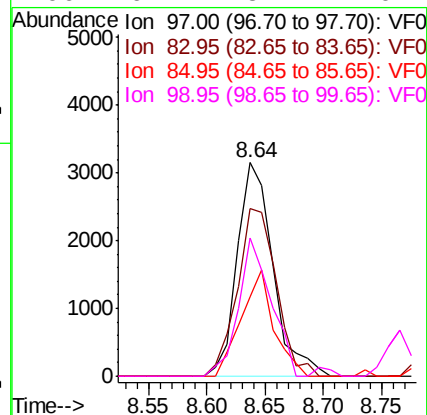
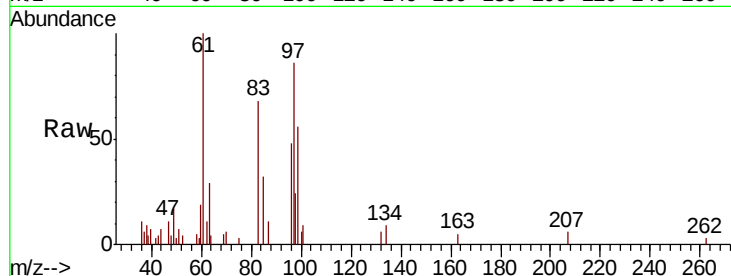
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	6727
Ion	Ratio	Lower	Upper
97	100		
83	78.8	64.4	96.6
85	36.9	43.1	64.7#
99	64.7	52.7	79.1

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#56

Ethyl methacrylate

Concen: 3.28 ug/l

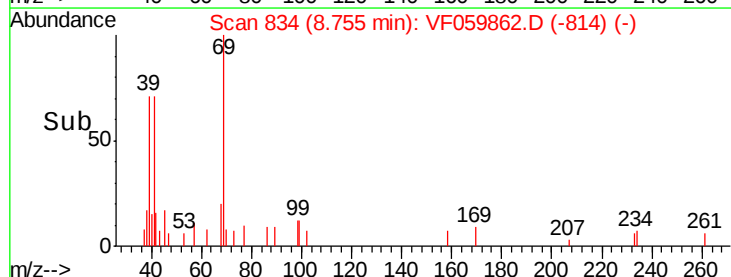
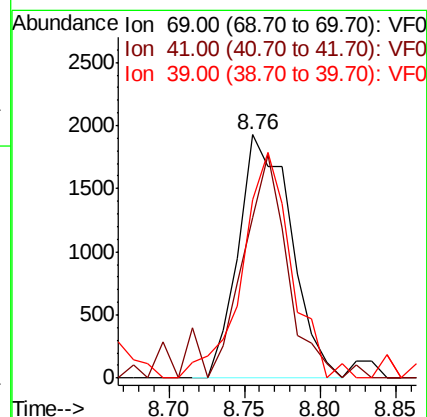
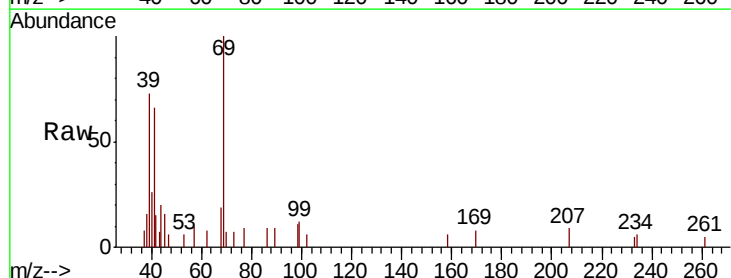
RT: 8.76 min Scan# 834

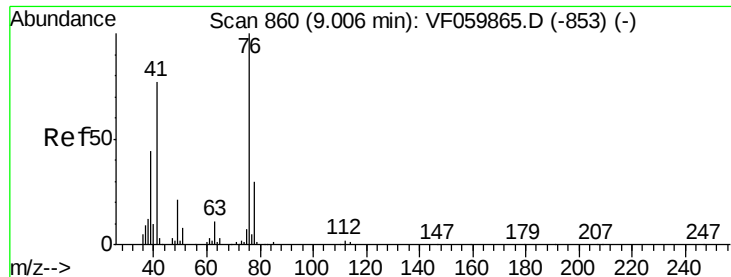
Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	69	Resp:	4668
Ion	Ratio	Lower	Upper
69	100		
41	65.8	74.7	112.1#
39	73.1	61.1	91.7





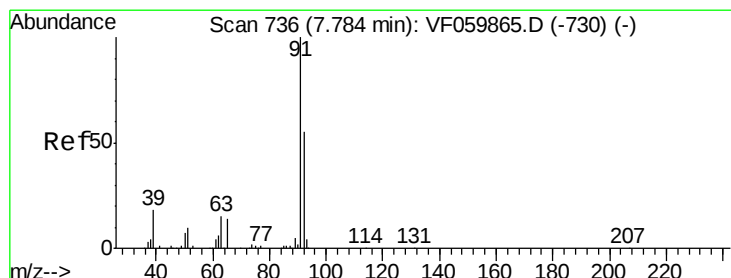
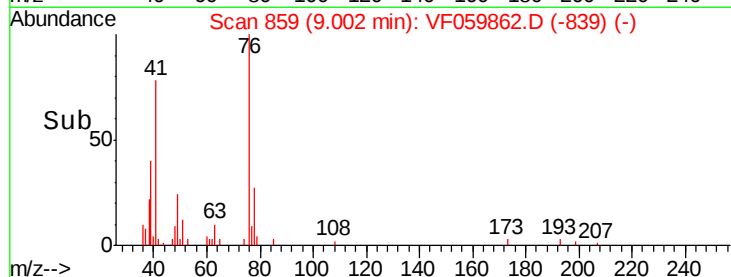
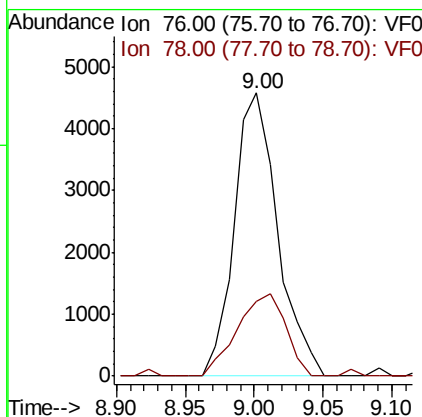
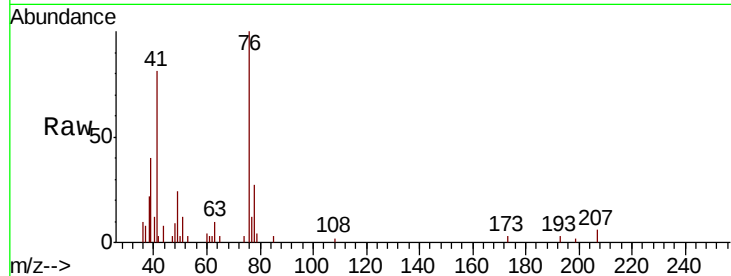
#57
 1,3-Dichloropropane
 Concen: 4.20 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	26.6	24.2	36.2

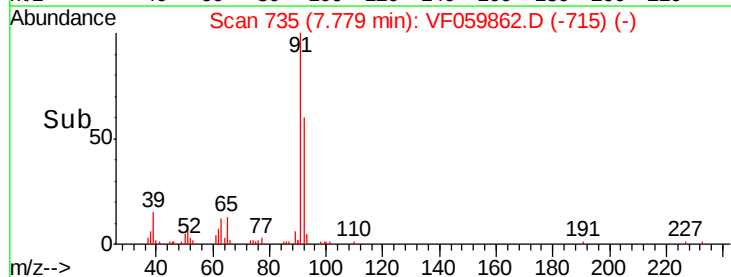
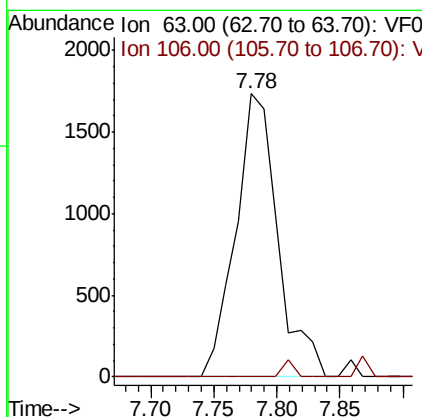
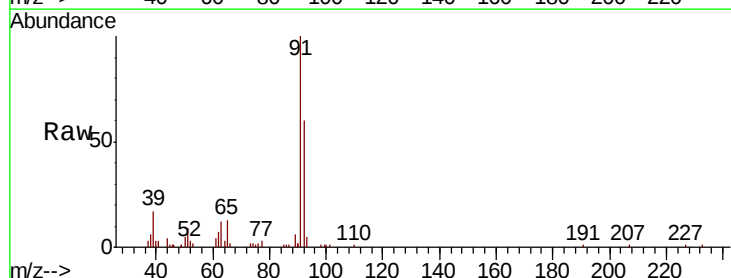
Manual Integrations
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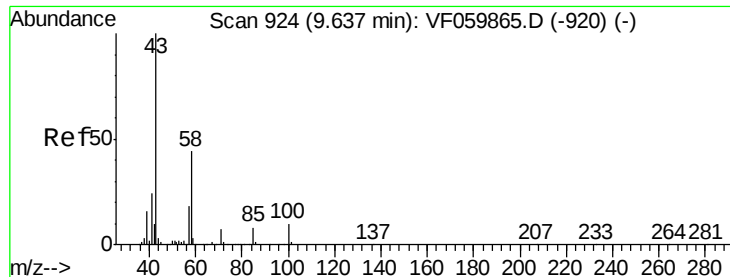
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 23.32 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





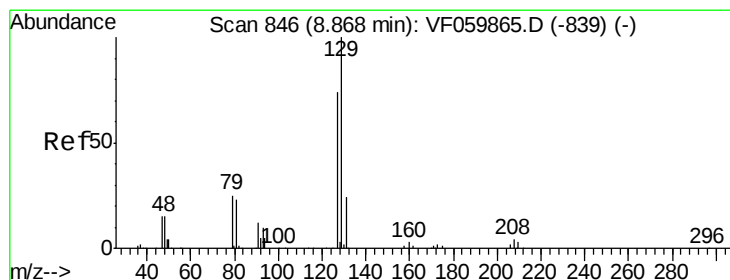
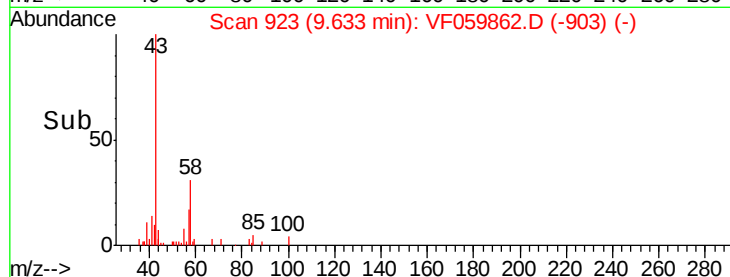
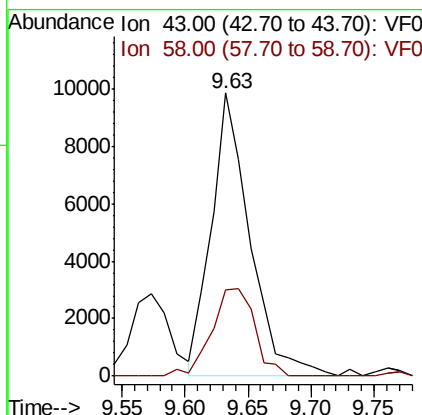
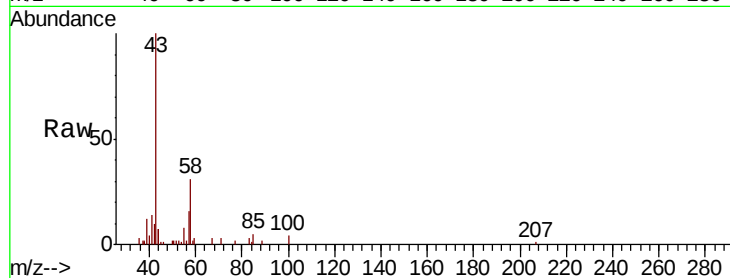
#59
2-Hexanone
Concen: 22.43 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.7	20.8	62.2

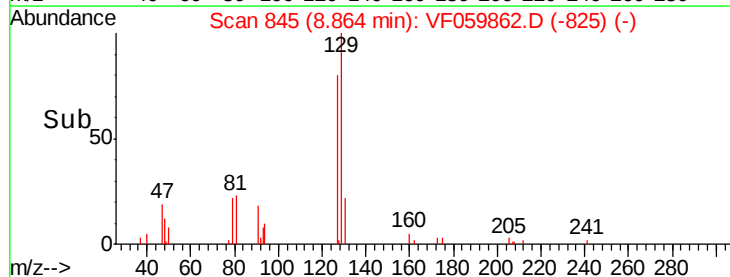
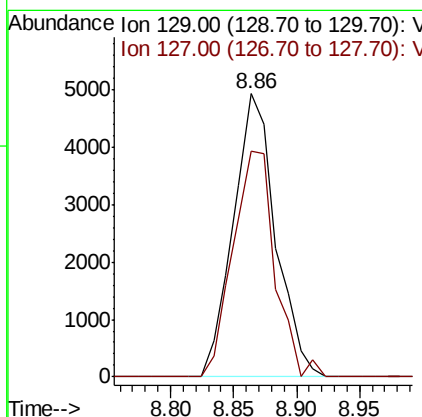
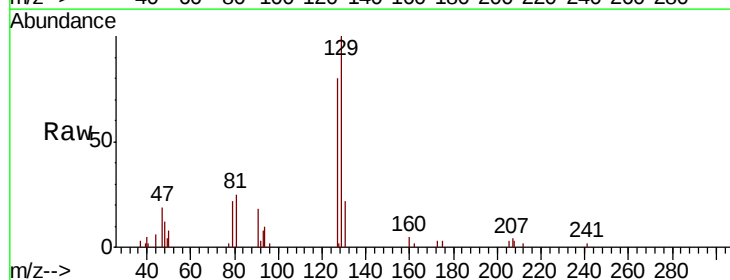
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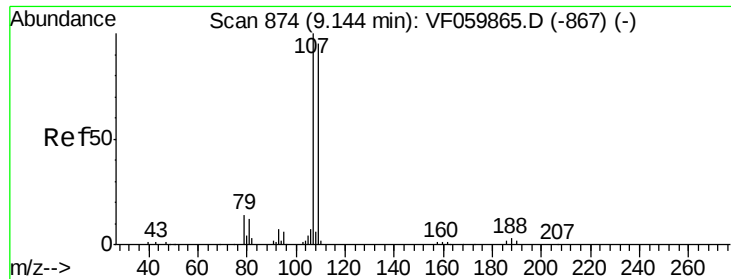
apatel
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#60
Dibromochloromethane
Concen: 4.64 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.1	36.9	110.7





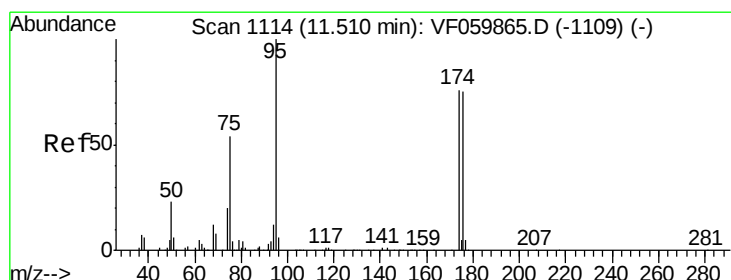
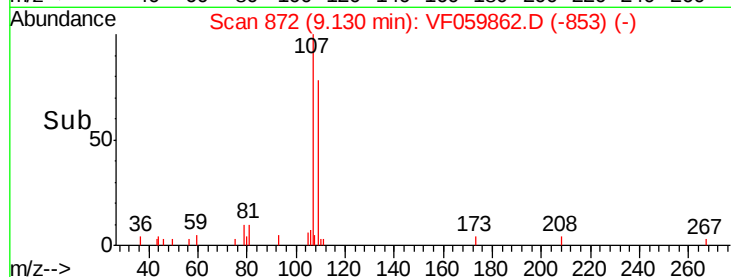
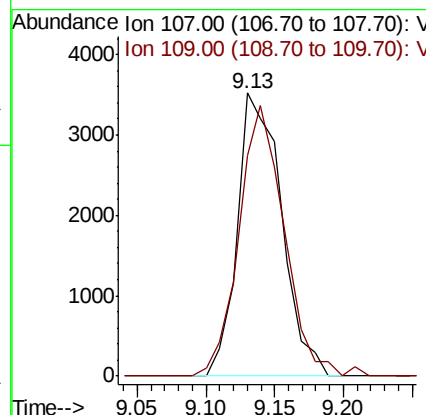
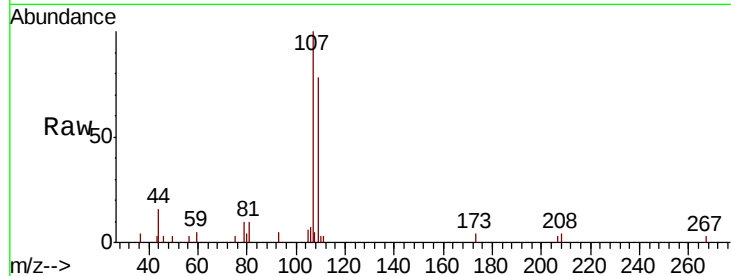
#61
 1,2-Dibromoethane
 Concen: 4.82 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	78.0	75.8	113.8

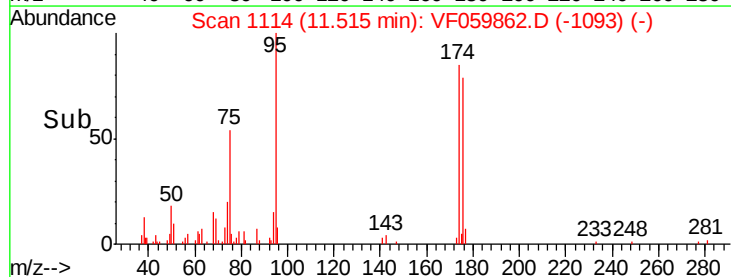
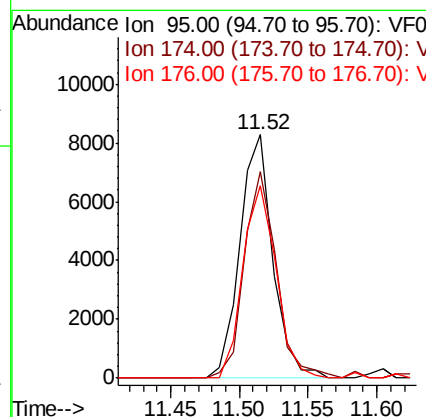
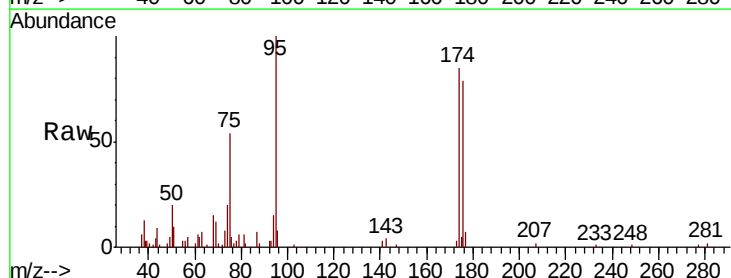
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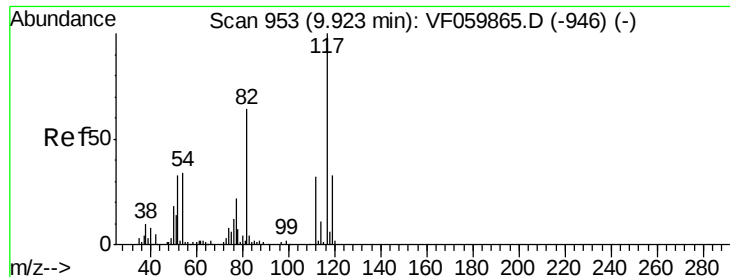
apatel
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#62
 4-Bromofluorobenzene
 Concen: 4.13 ug/l
 RT: 11.52 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	151.6
176	78.8	0.0	149.8





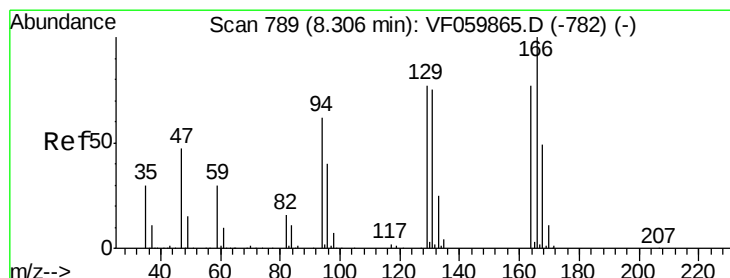
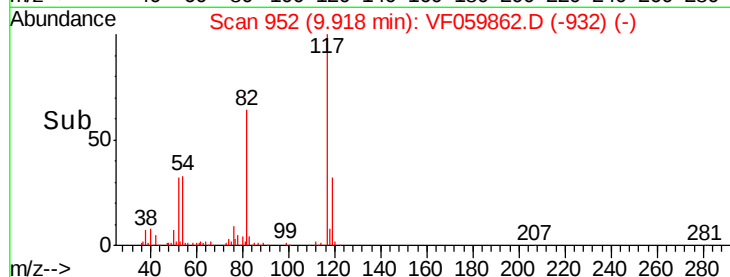
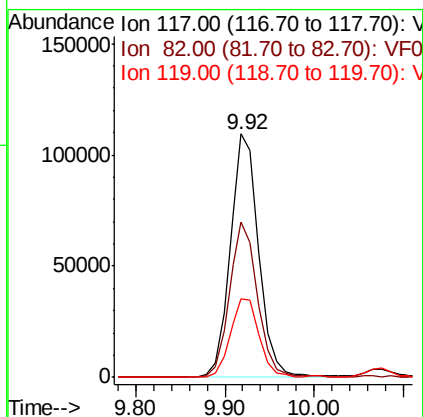
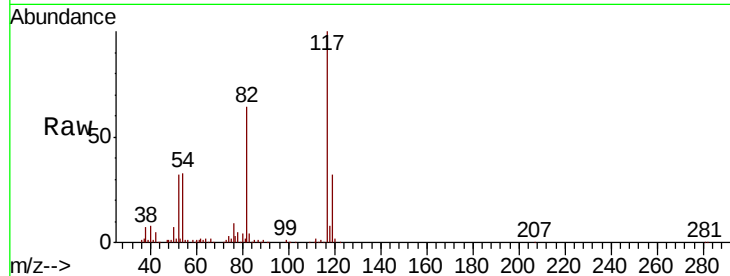
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	244852		
82	63.6	51.3	76.9	
119	32.3	26.4	39.6	

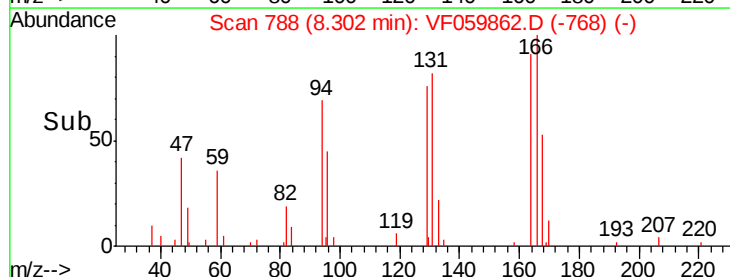
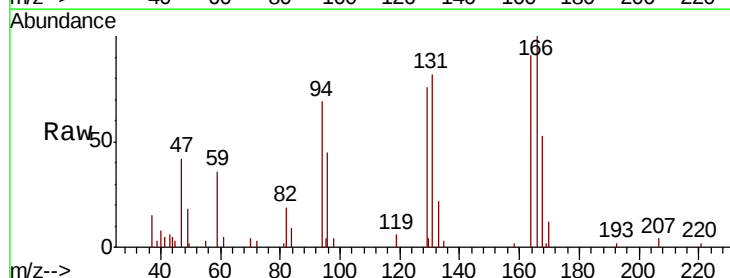
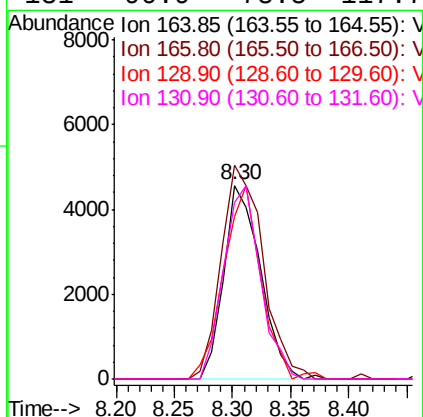
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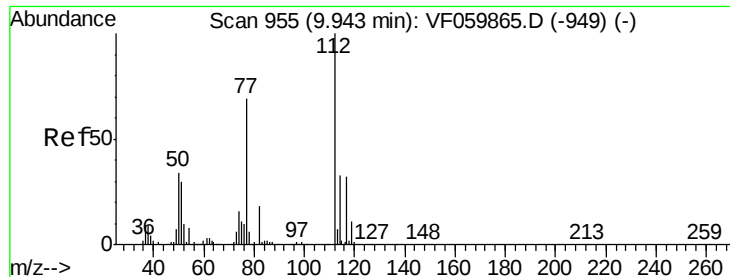
apatel
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#64
Tetrachloroethene
Concen: 5.01 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	9998		
166	110.2	104.4	156.6	
129	83.6	80.3	120.5	
131	90.9	78.5	117.7	





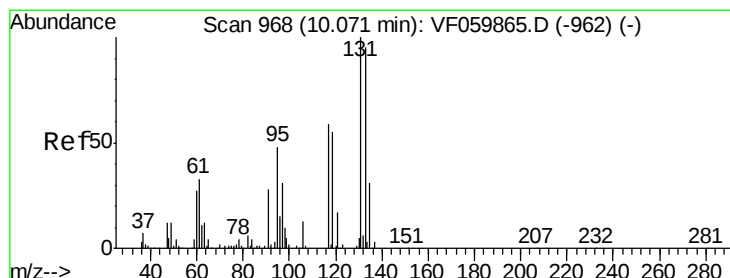
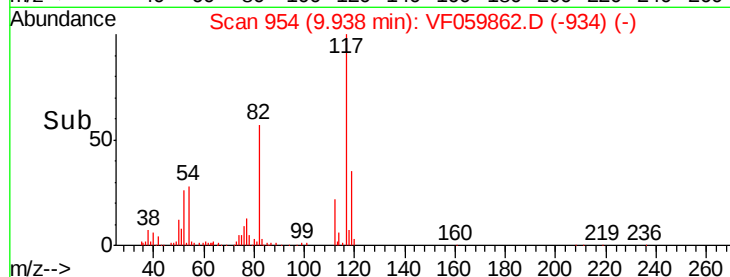
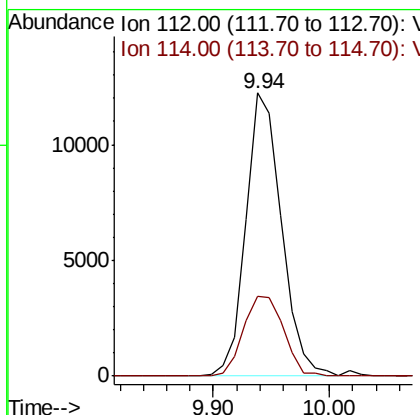
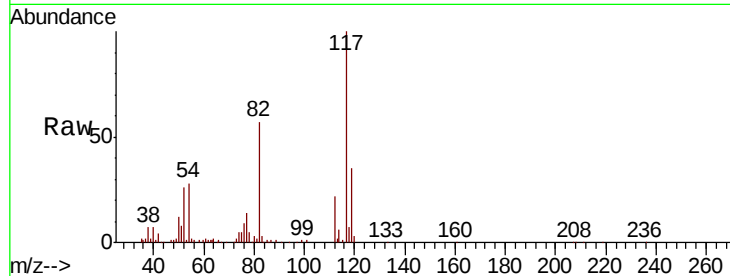
#65
Chlorobenzene
Concen: 5.17 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.4	26.4	39.6

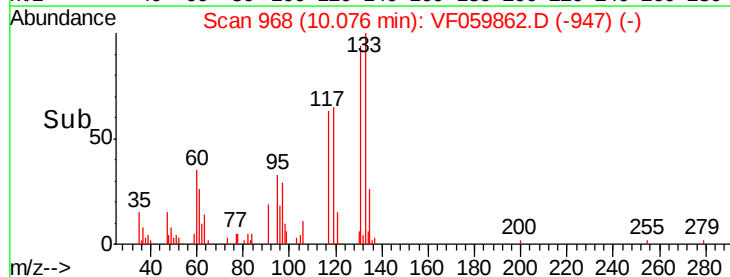
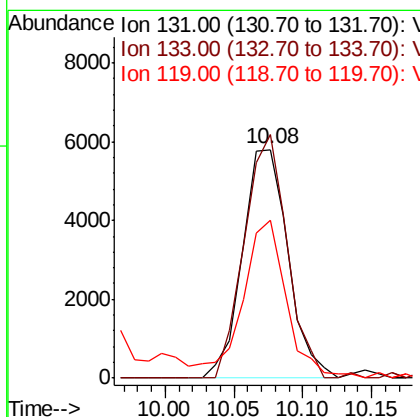
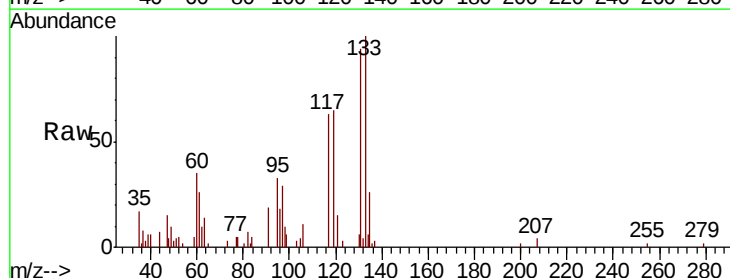
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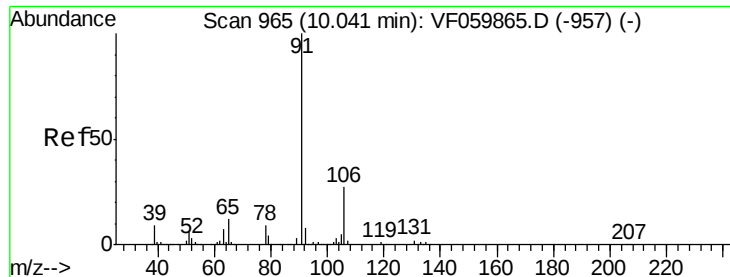
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.70 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	106.4	47.4	142.2
119	68.8	27.7	83.1





#67

Ethyl Benzene

Concen: 4.91 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 42789

Ion Ratio Lower Upper

91 100

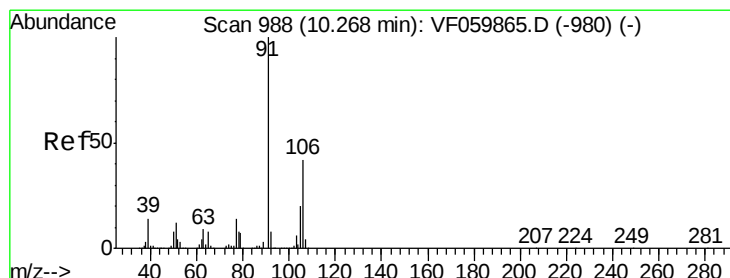
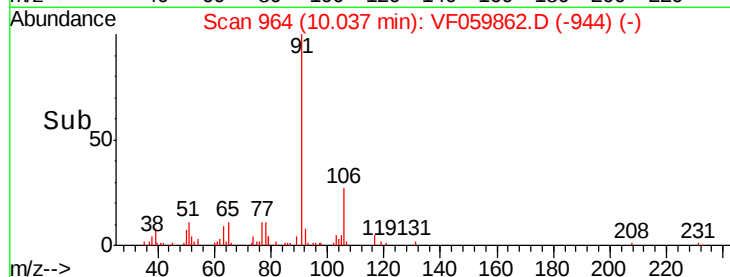
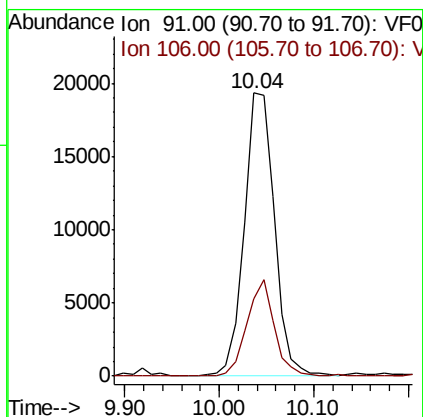
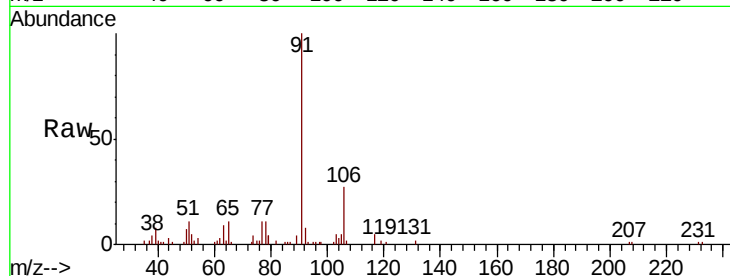
106 27.2 21.5 32.3

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#68

m/p-Xylenes

Concen: 9.72 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF059862.D

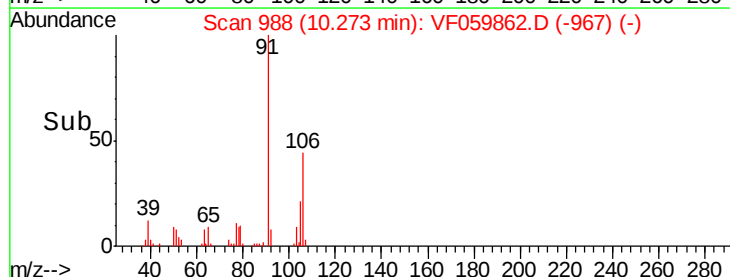
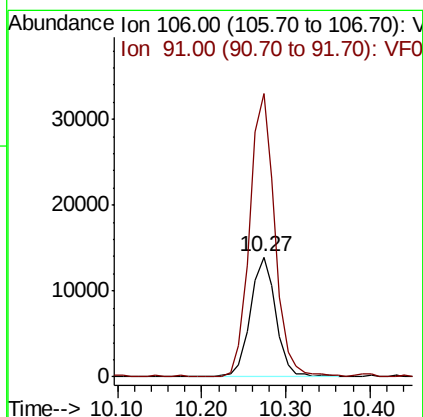
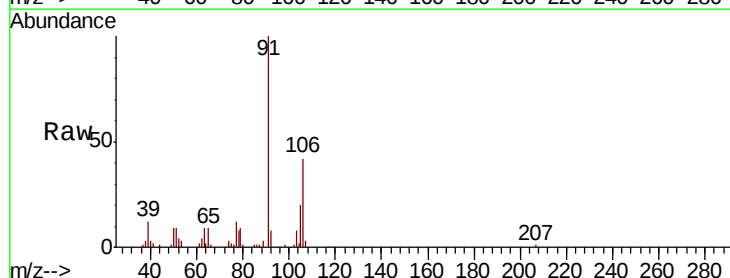
Acq: 4 Aug 2018 3:21

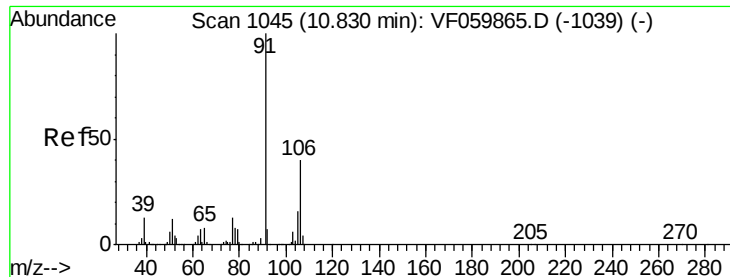
Tgt Ion: 106 Resp: 29670

Ion Ratio Lower Upper

106 100

91 236.5 192.1 288.1





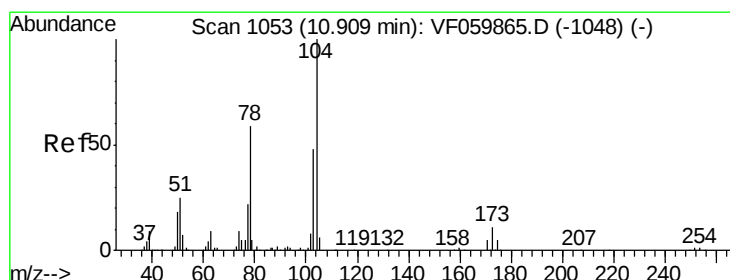
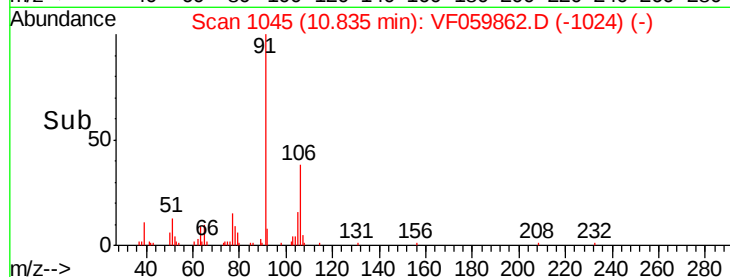
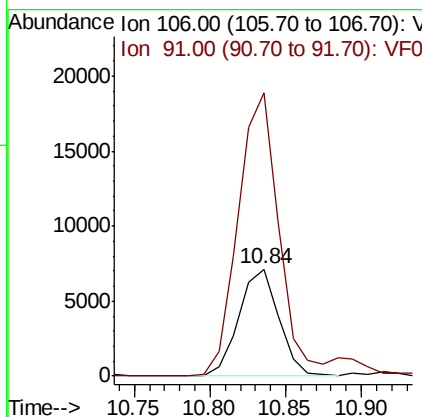
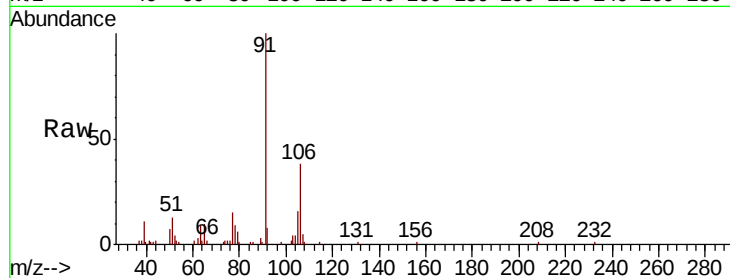
#69
o-Xylene
Concen: 4.06 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	264.3	125.4	376.2

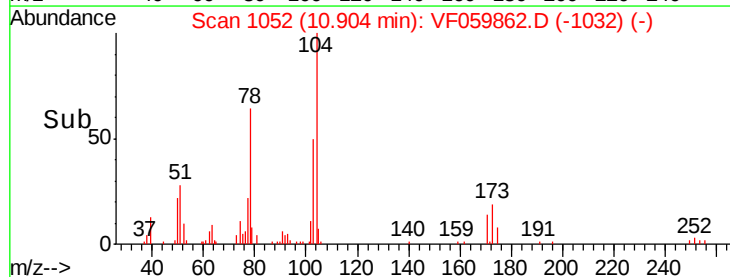
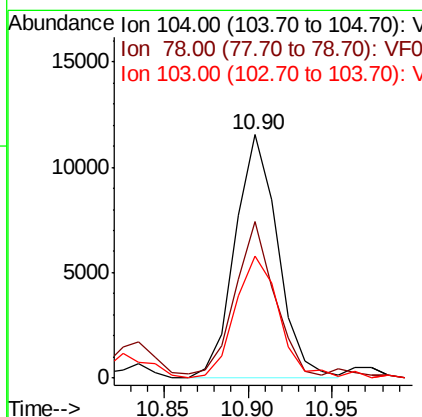
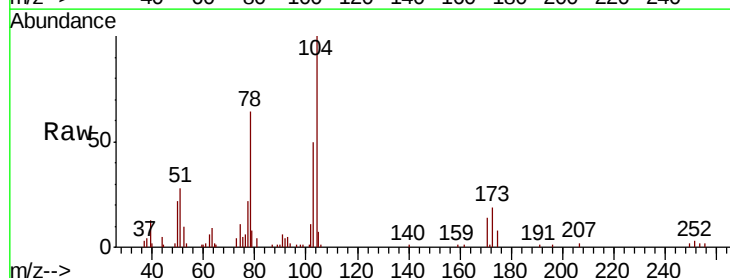
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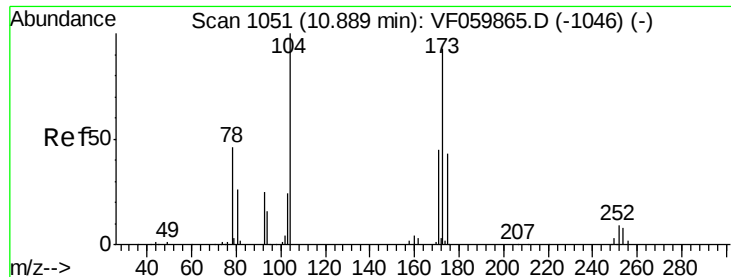
apatel
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#70
Styrene
Concen: 4.21 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	64.2	47.3	70.9
103	50.1	39.0	58.4





#71

Bromoform

Concen: 5.02 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7584

Ion Ratio Lower Upper

173 100

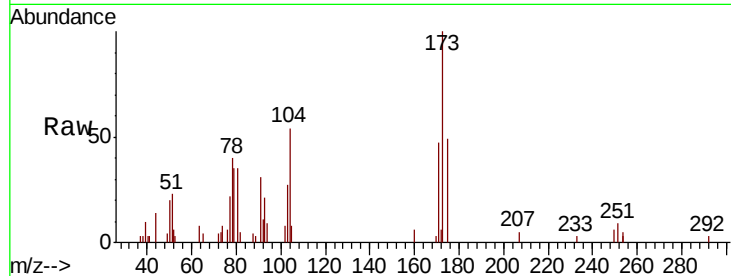
175 49.1 23.4 70.2

254 4.9 0.0 0.0#

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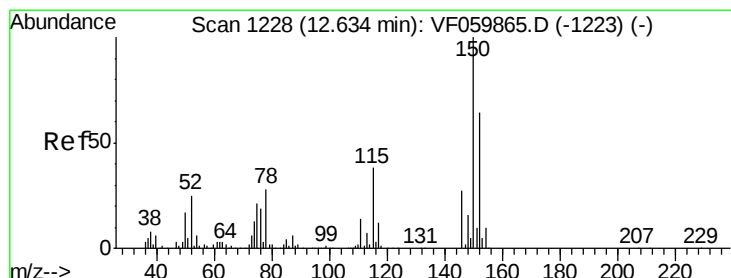
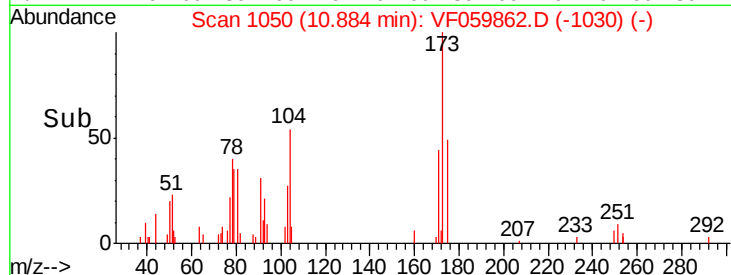
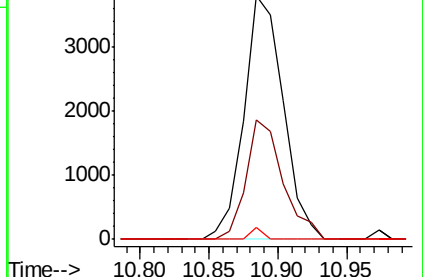
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

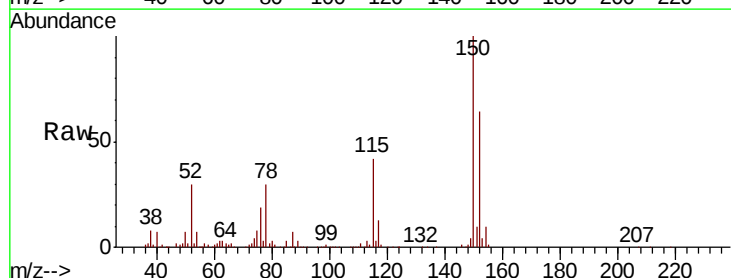
Tgt Ion:152 Resp: 166970

Ion Ratio Lower Upper

152 100

115 66.4 29.8 89.4

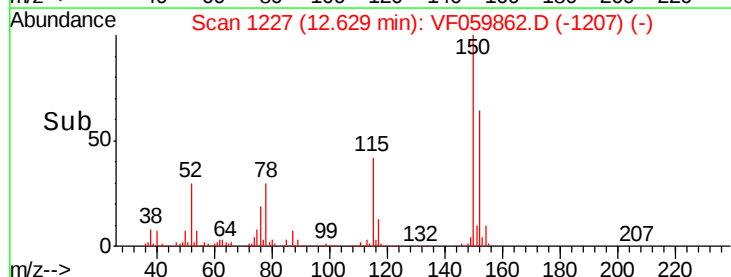
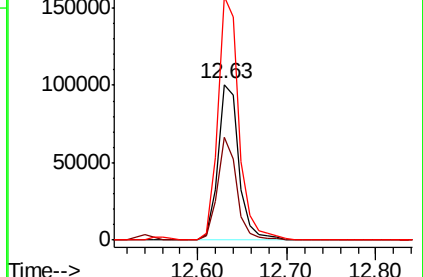
150 156.8 0.0 315.6

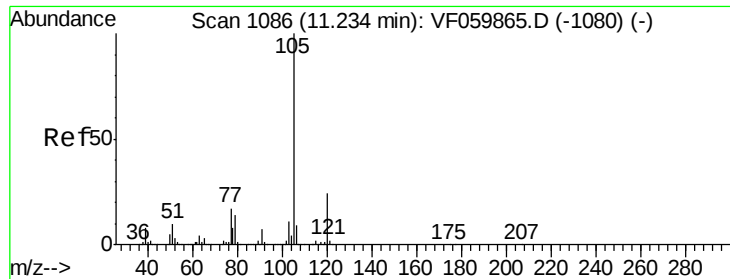


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 4.32 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 48261

Ion Ratio Lower Upper

105 100

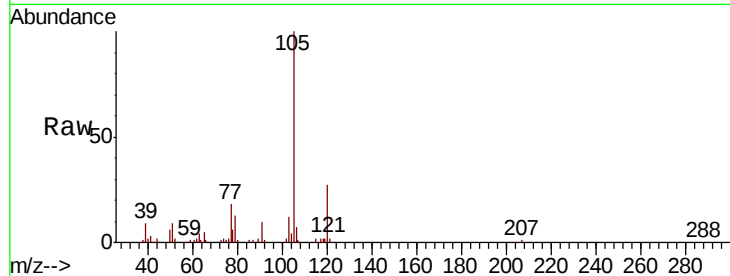
120 26.8 12.1 36.3

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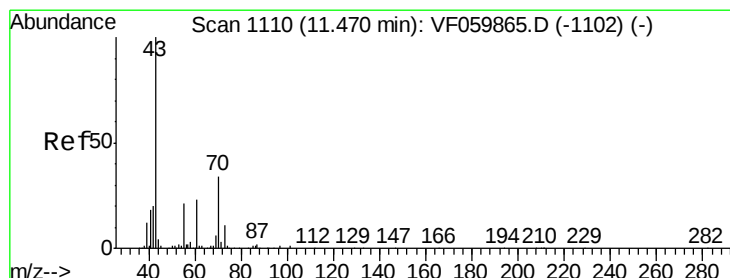
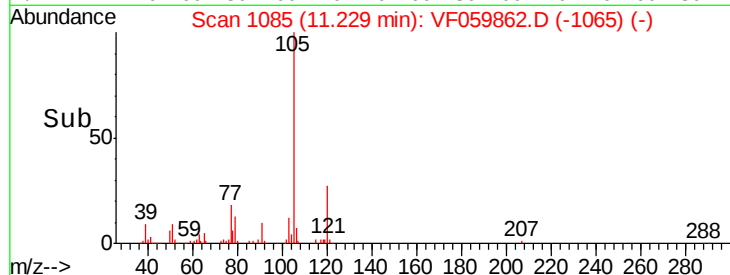
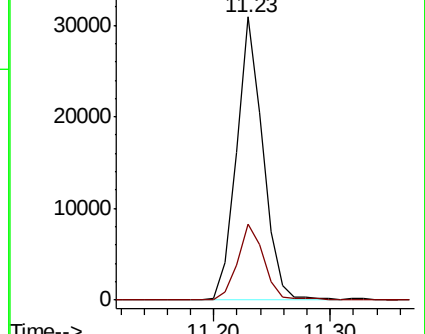
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.41 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion: 43 Resp: 9411

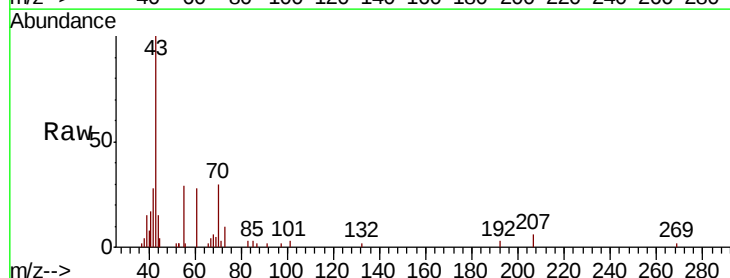
Ion Ratio Lower Upper

43 100

70 29.8 27.5 41.3

55 29.0 16.6 25.0#

61 28.2 18.2 27.4#

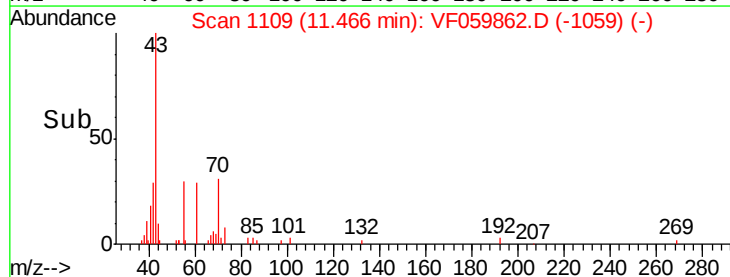
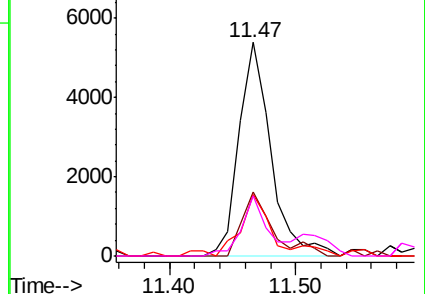


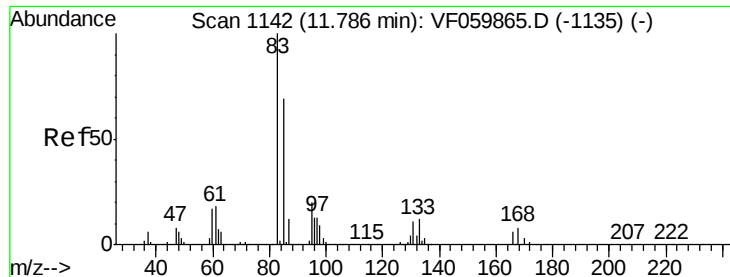
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.22 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

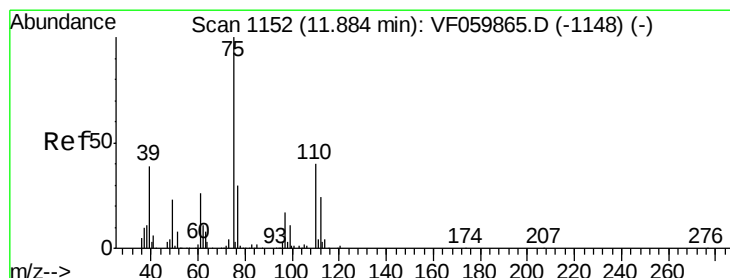
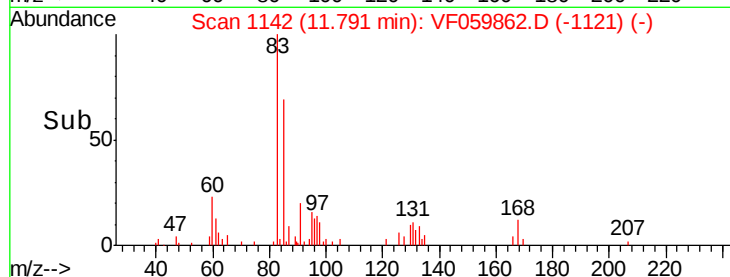
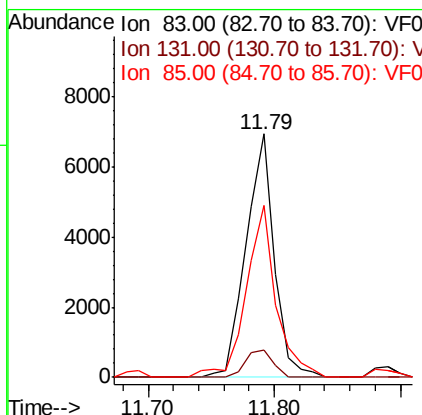
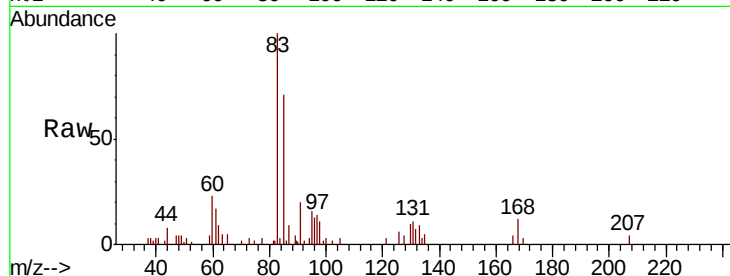
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	10806
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.3	15.9
85	70.8	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 5.06 ug/l

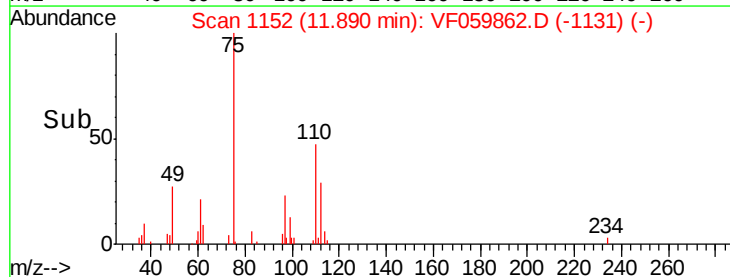
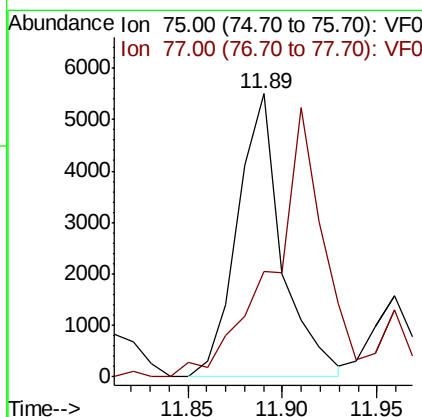
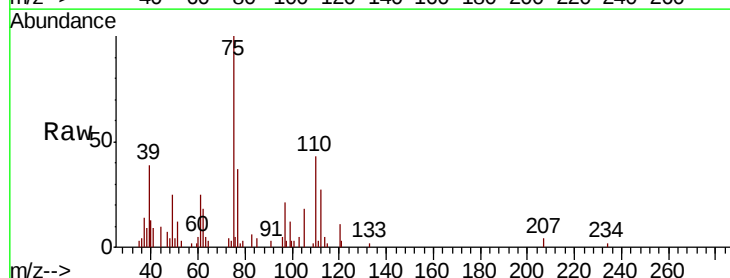
RT: 11.89 min Scan# 1152

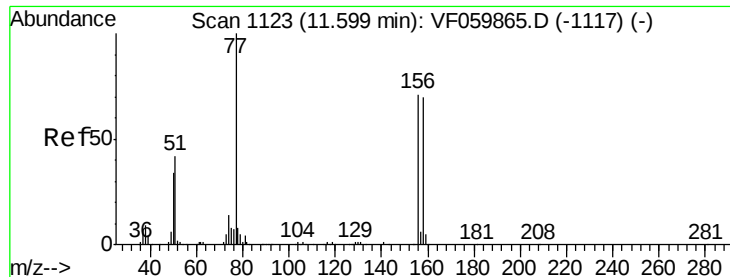
Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	75	Resp:	8982
Ion Ratio	Lower	Upper	
75	100		
77	37.4	15.4	46.2





#77

Bromobenzene

Concen: 4.84 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 14076

Ion Ratio Lower Upper

156 100

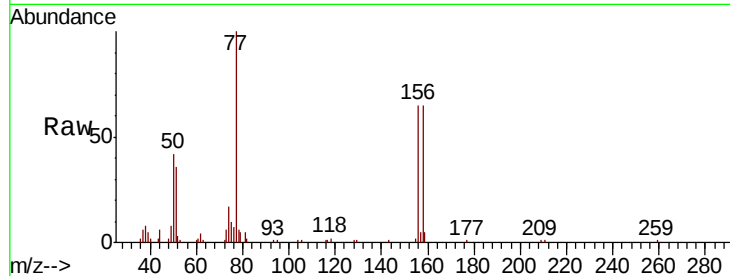
77 153.3 70.2 210.6

158 99.4 49.2 147.6

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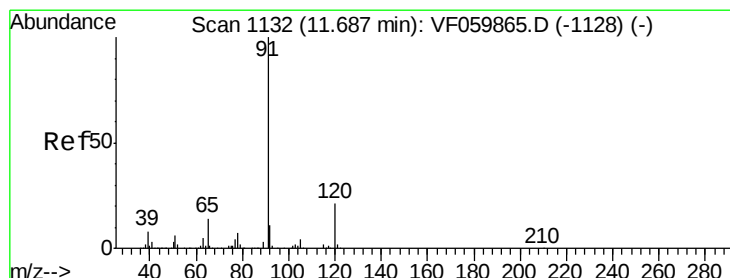
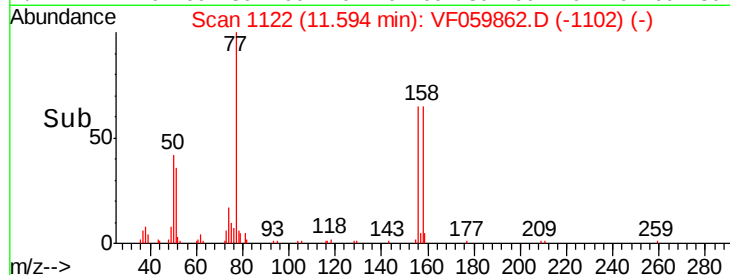
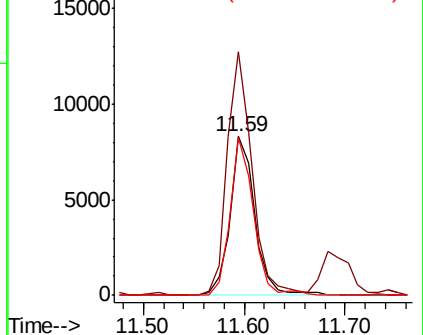
8/6/2018 10:25:40 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 4.88 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059862.D

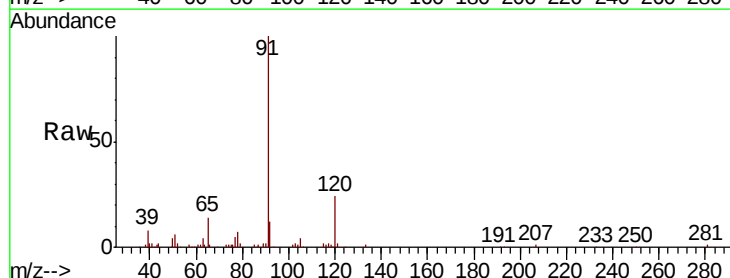
Acq: 4 Aug 2018 3:21

Tgt Ion: 91 Resp: 63597

Ion Ratio Lower Upper

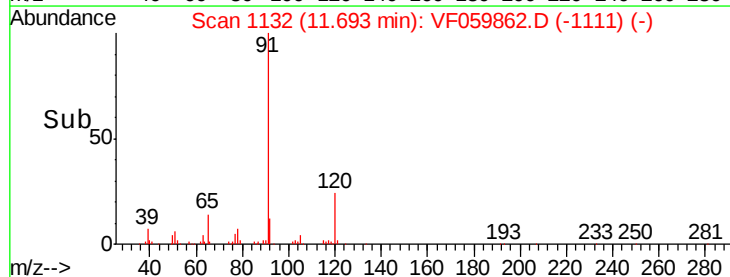
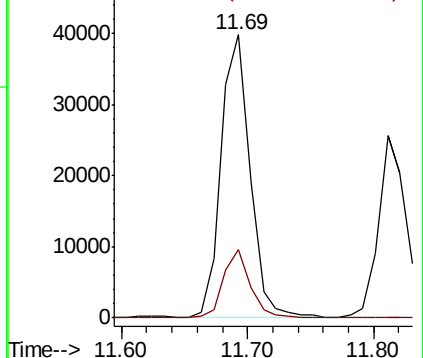
91 100

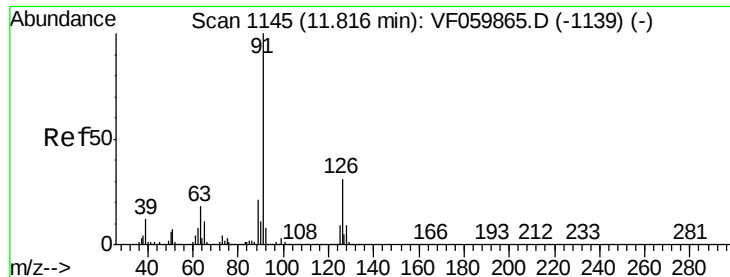
120 24.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.90 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 39666

Ion Ratio Lower Upper

91 100

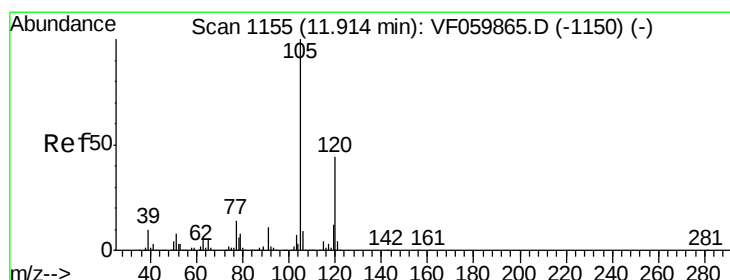
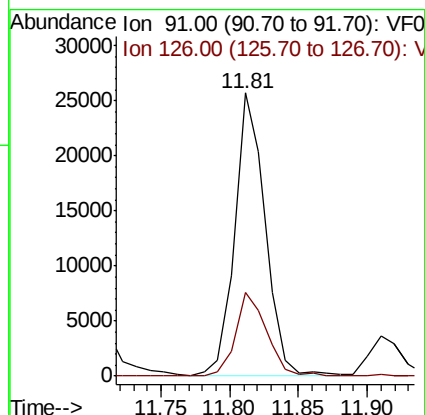
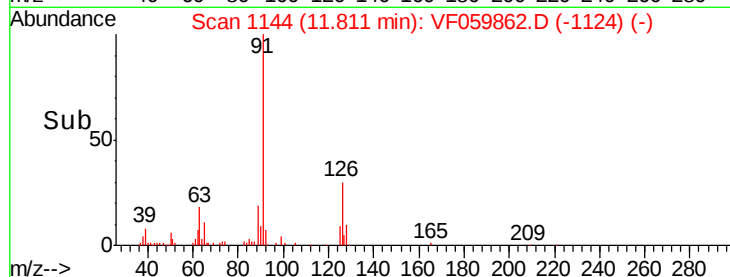
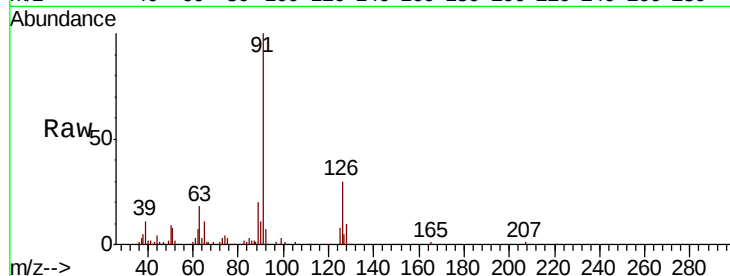
126 29.6 15.6 46.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.59 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059862.D

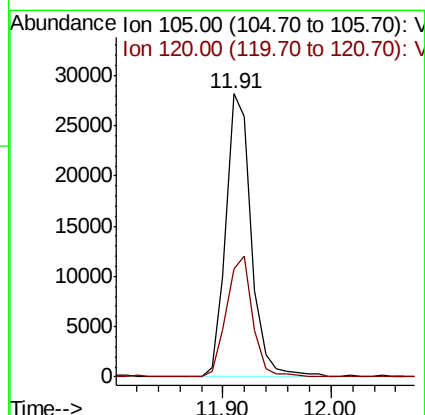
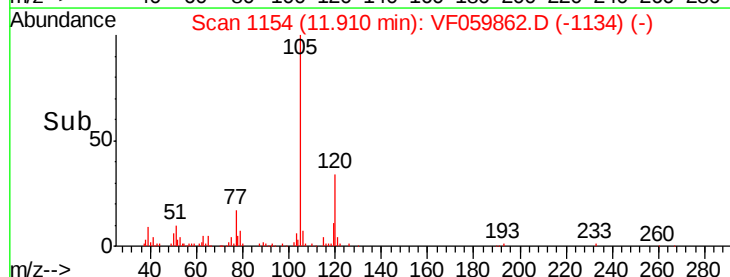
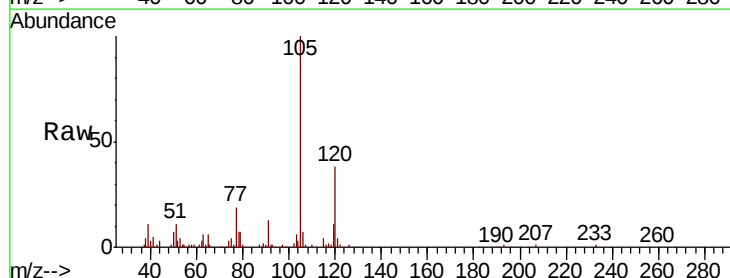
Acq: 4 Aug 2018 3:21

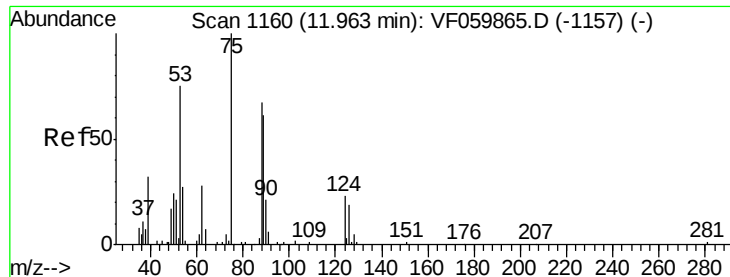
Tgt Ion:105 Resp: 46188

Ion Ratio Lower Upper

105 100

120 38.3 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 3.56 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

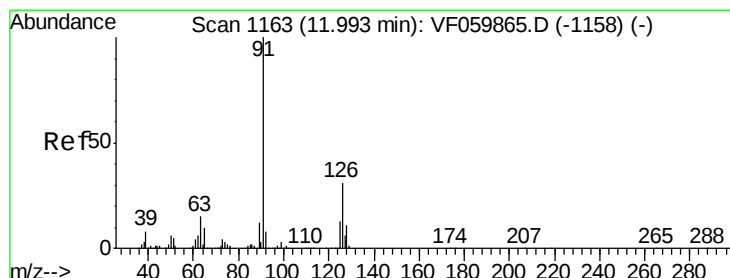
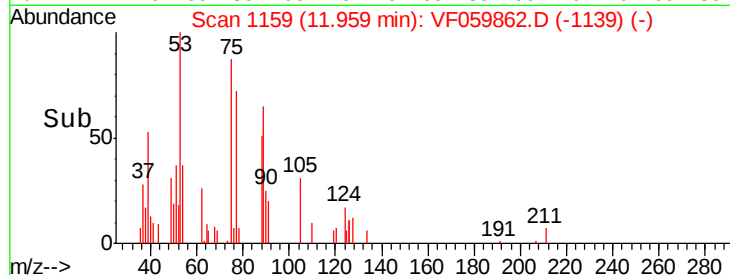
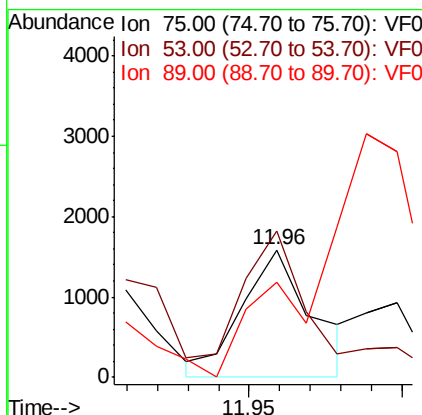
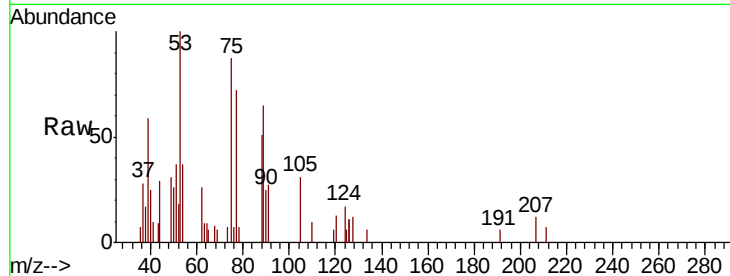
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	2540
Ion	Ratio	Lower	Upper
75	100		
53	115.5	65.9	98.9#
89	74.9	50.6	76.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.35 ug/l

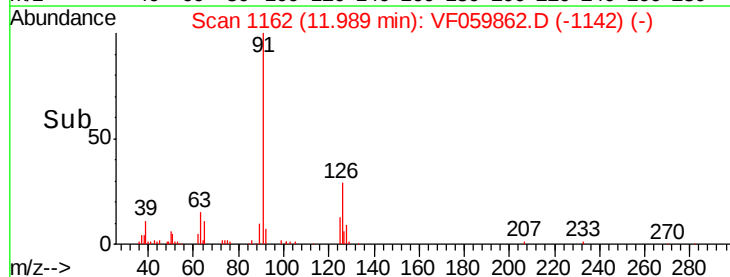
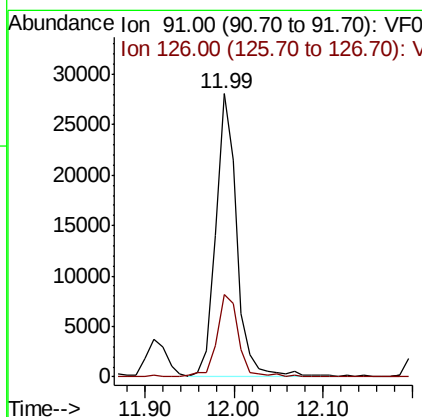
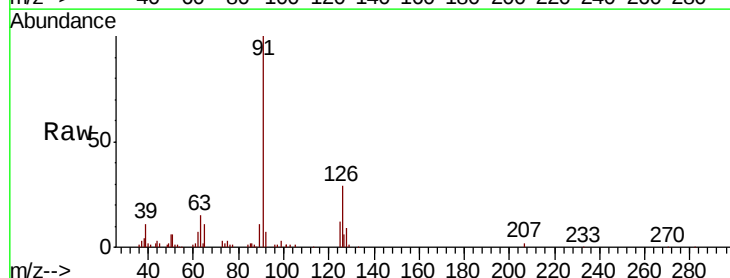
RT: 11.99 min Scan# 1162

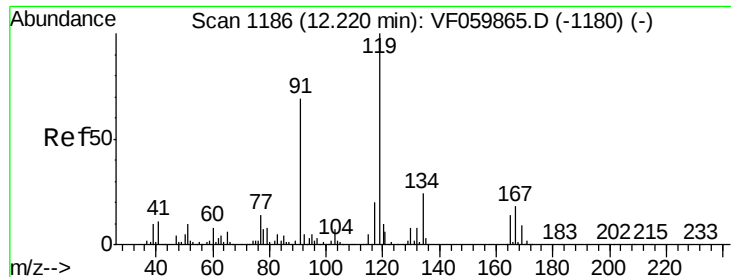
Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	91	Resp:	46249
Ion	Ratio	Lower	Upper
91	100		
126	29.0	15.7	47.0





#83

tert-Butylbenzene

Concen: 4.54 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

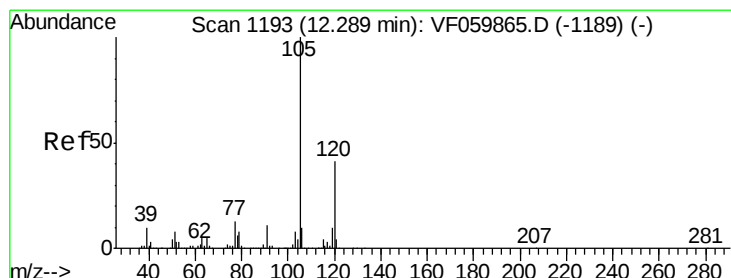
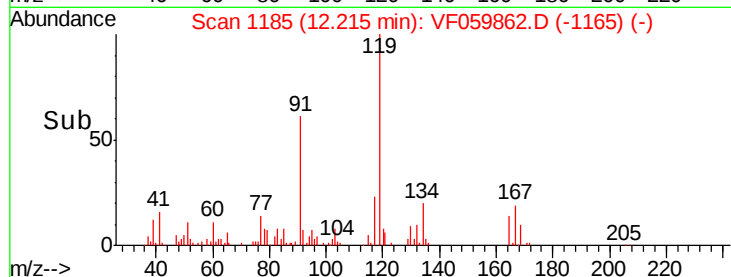
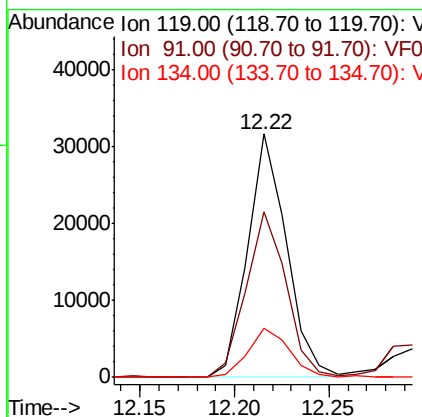
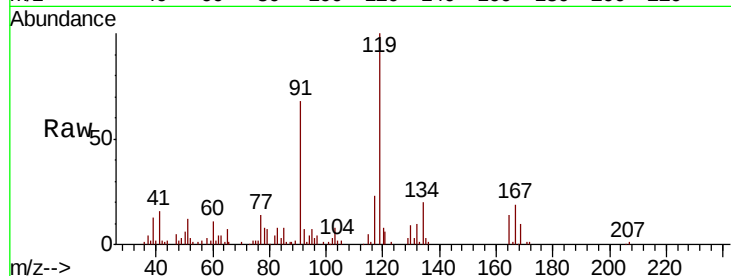
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	45359
Ion Ratio	Lower	Upper	
119	100		
91	68.0	34.4	103.2
134	20.3	12.1	36.3

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#84

1,2,4-Trimethylbenzene

Concen: 4.99 ug/l

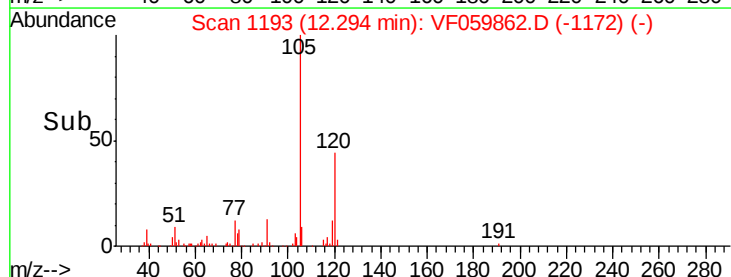
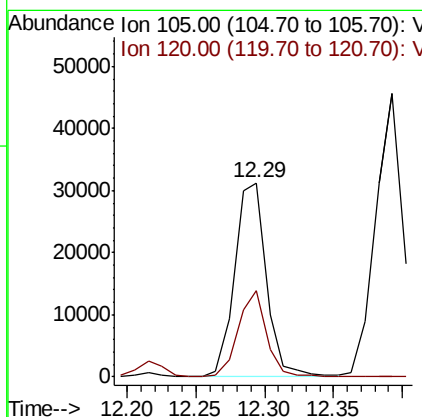
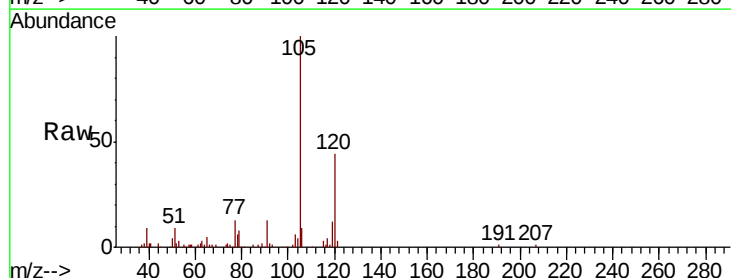
RT: 12.29 min Scan# 1193

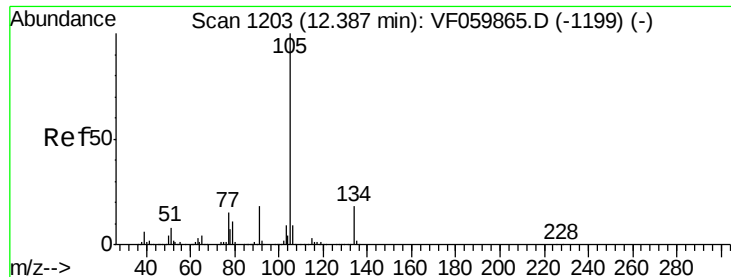
Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	105	Resp:	50472
Ion Ratio	Lower	Upper	
105	100		
120	44.2	20.8	62.5





#85

sec-Butylbenzene

Concen: 5.07 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 65227

Ion Ratio Lower Upper

105 100

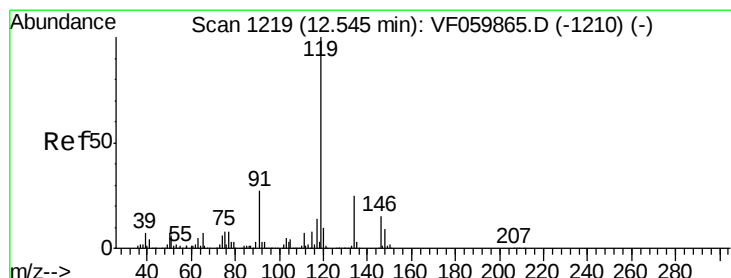
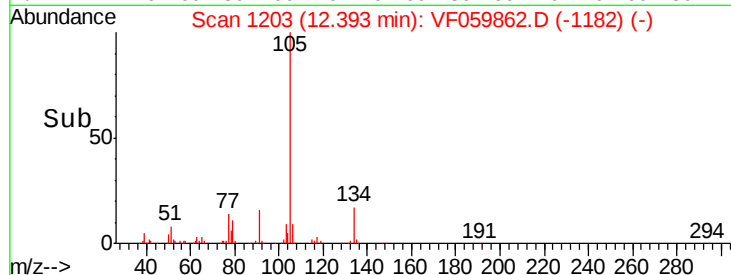
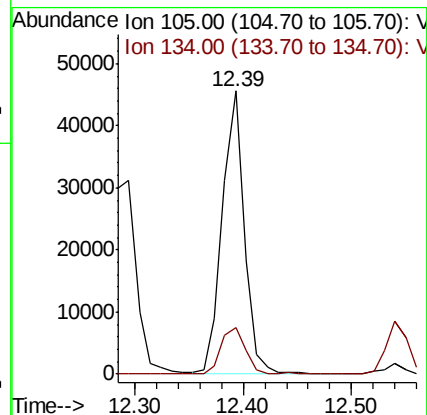
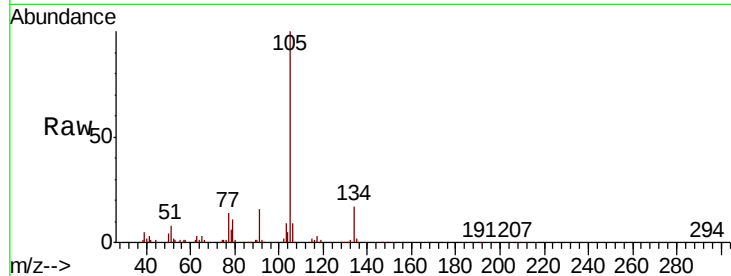
134 16.6 9.1 27.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.45 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

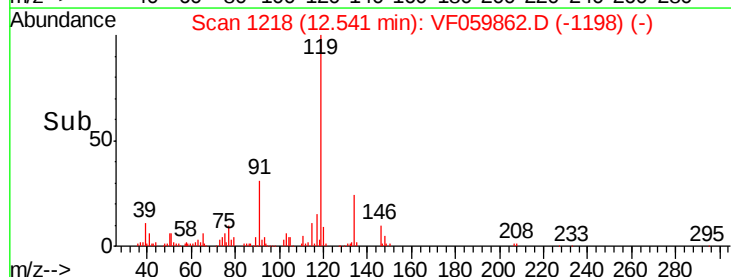
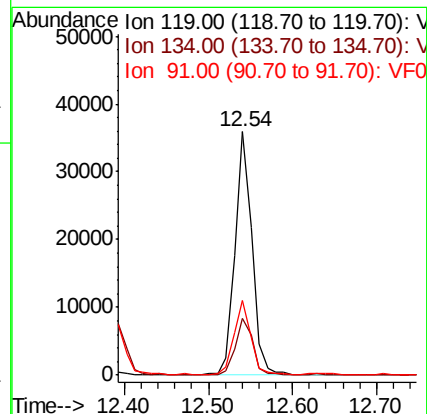
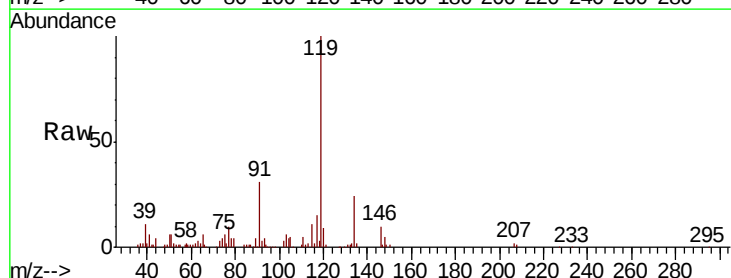
Tgt Ion:119 Resp: 50547

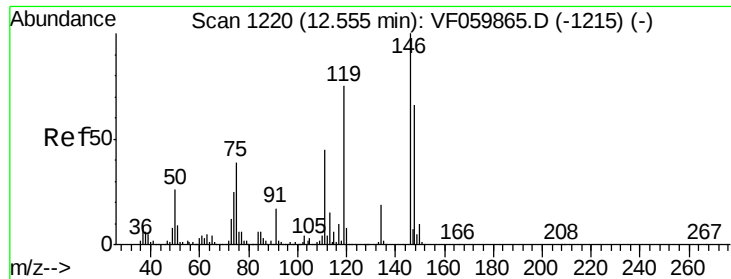
Ion Ratio Lower Upper

119 100

134 23.5 12.4 37.0

91 30.8 13.6 40.7





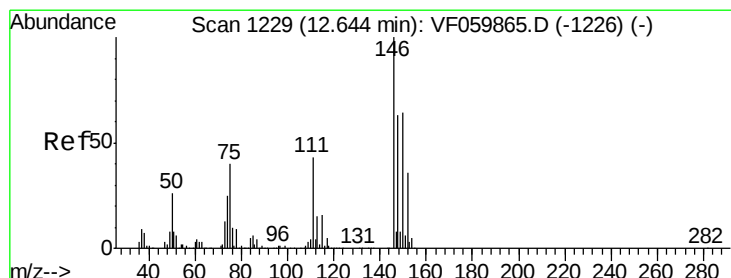
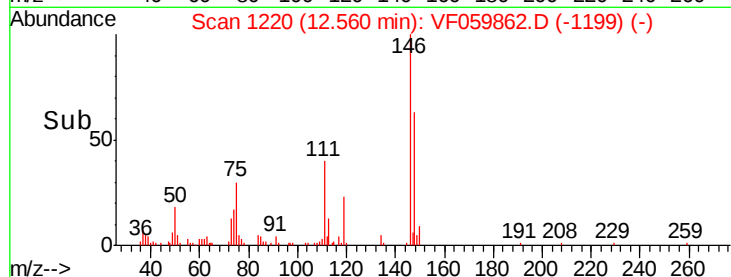
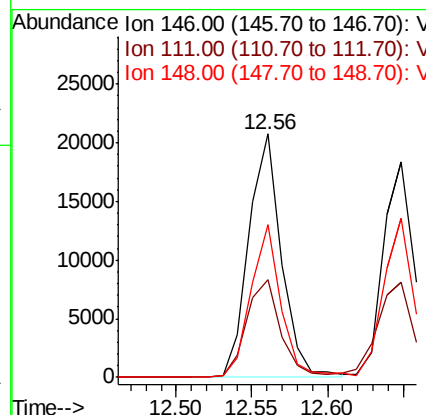
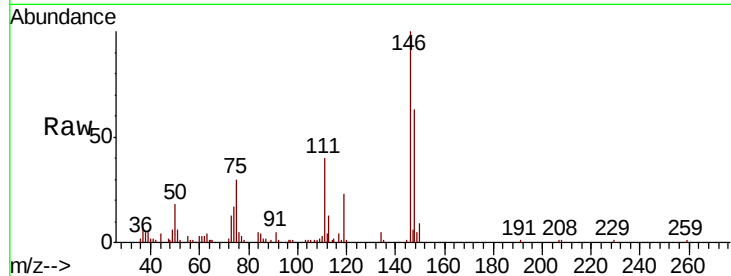
#87
 1,3-Dichlorobenzene
 Concen: 5.63 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	22.4	67.0
148	62.5	33.1	99.3

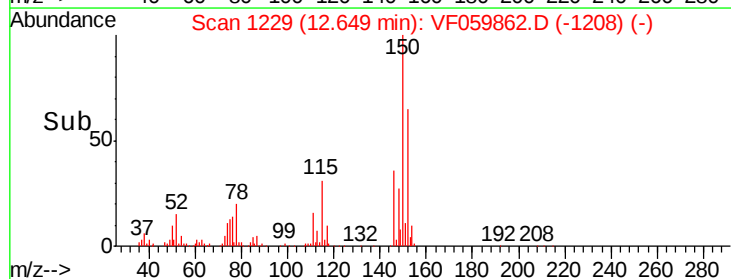
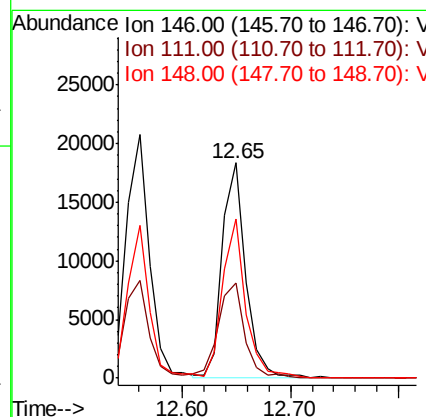
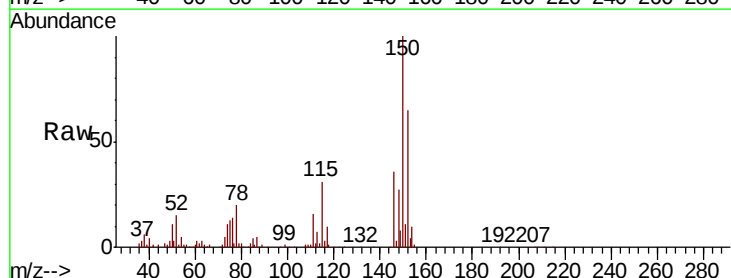
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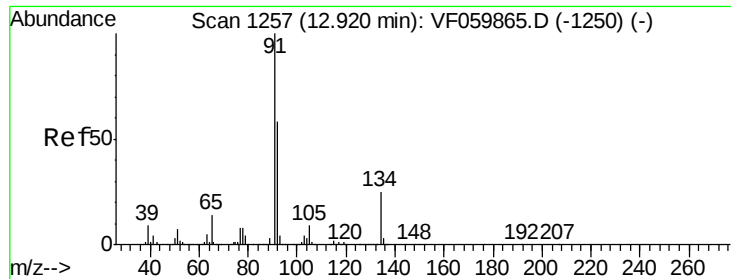
apatel
 8/6/2018 10:25:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.12 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.4	64.2
148	74.0	31.6	94.7





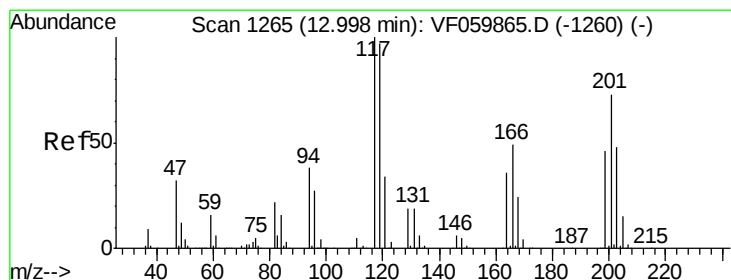
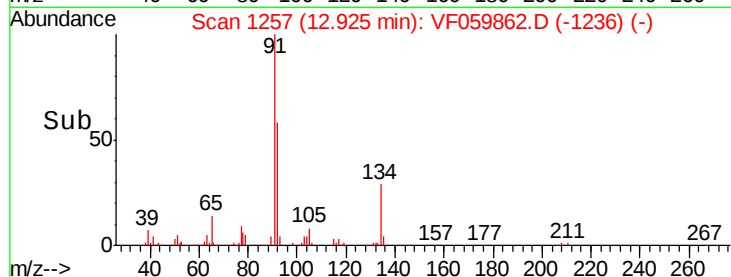
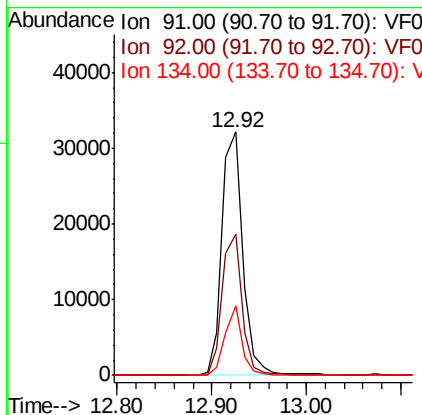
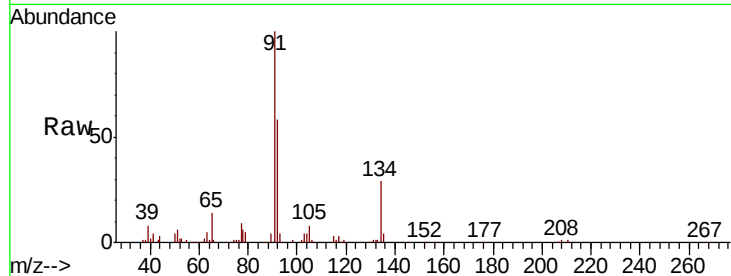
#89
n-Butylbenzene
Concen: 4.62 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.9	28.8	86.5
134	28.6	12.6	37.6

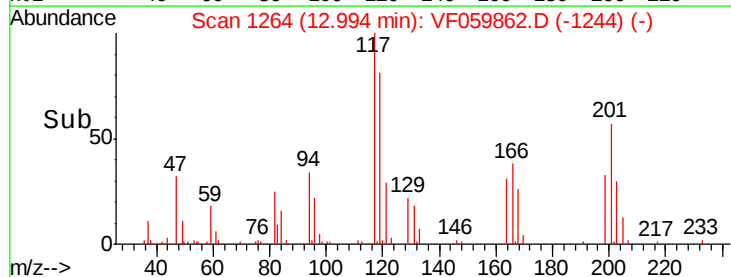
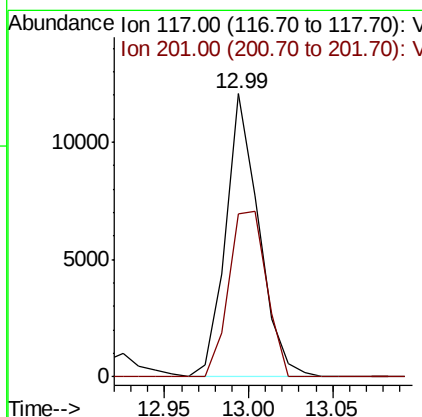
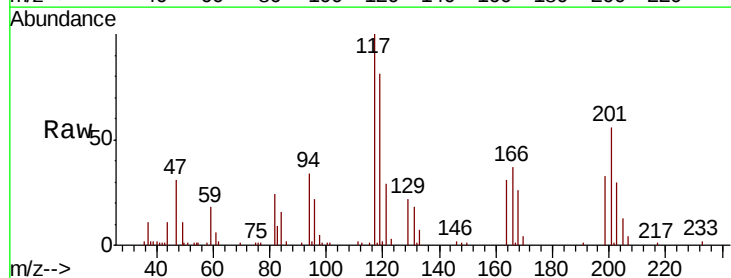
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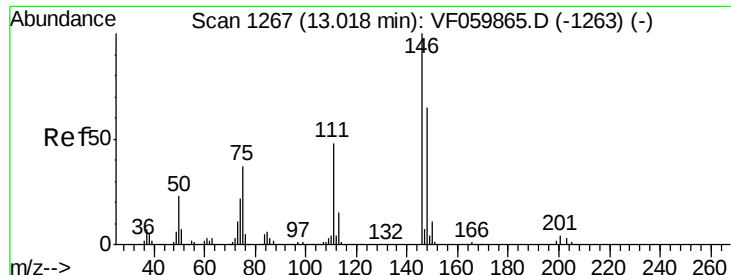
apatel
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#90
Hexachloroethane
Concen: 5.79 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VF059862.D
Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.4	36.6	109.8





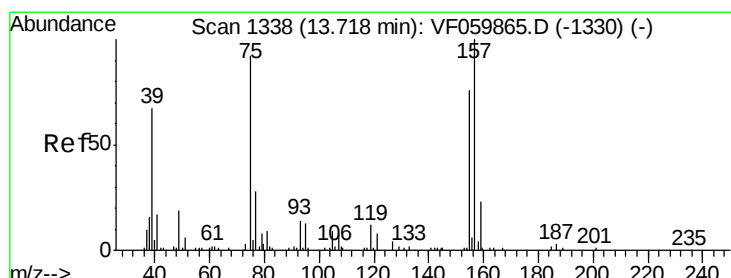
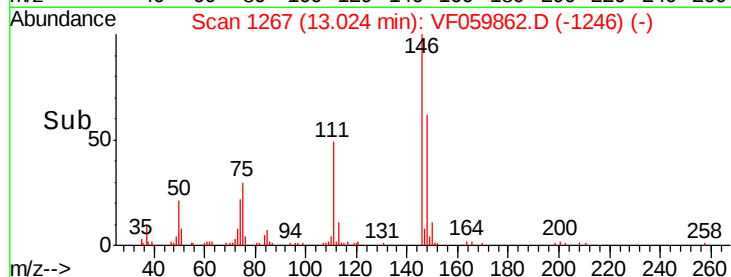
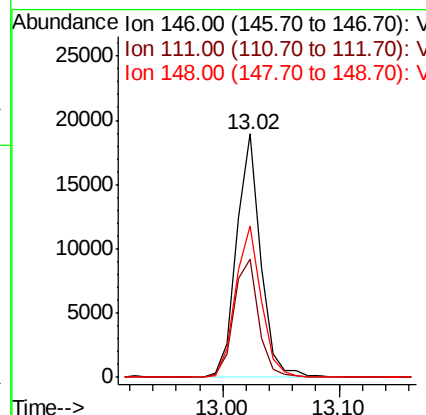
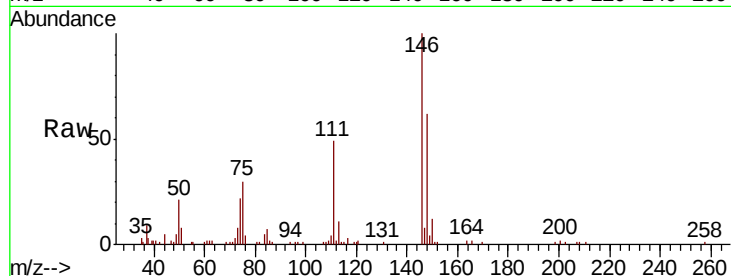
#91
 1,2-Dichlorobenzene
 Concen: 5.08 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.1	72.2
148	62.5	32.8	98.3

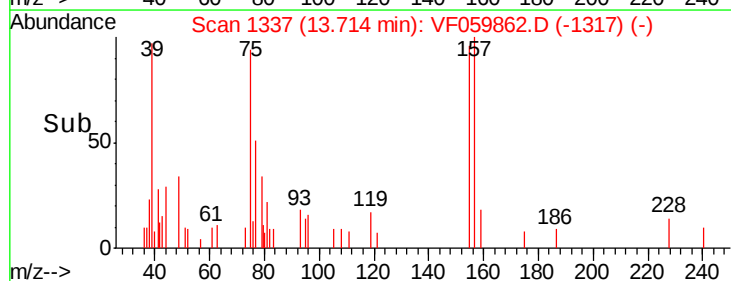
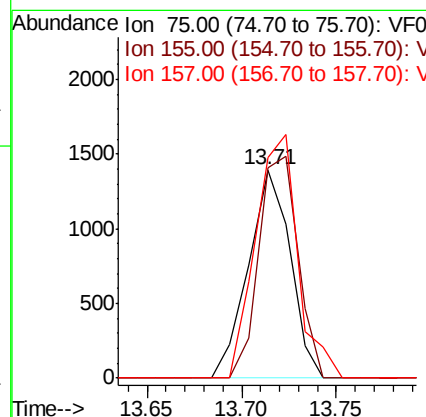
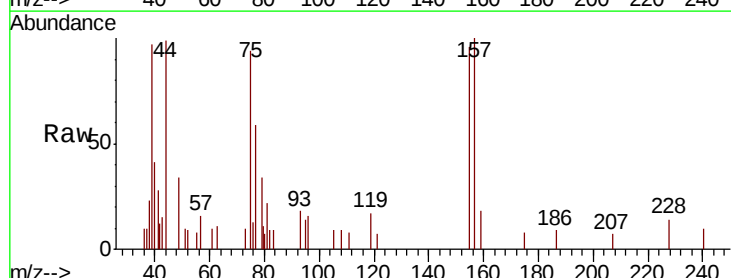
Manual Integrations
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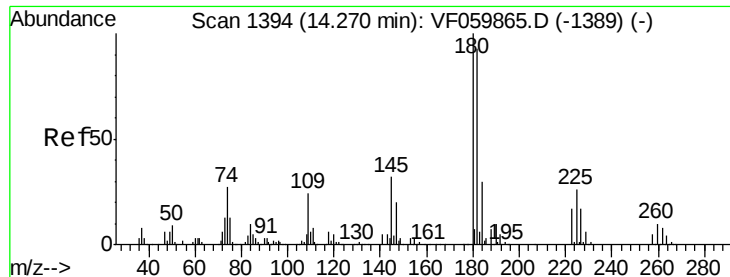
apatel
 8/6/2018 10:25:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.16 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	41.2	123.6
157	106.0	54.5	163.6





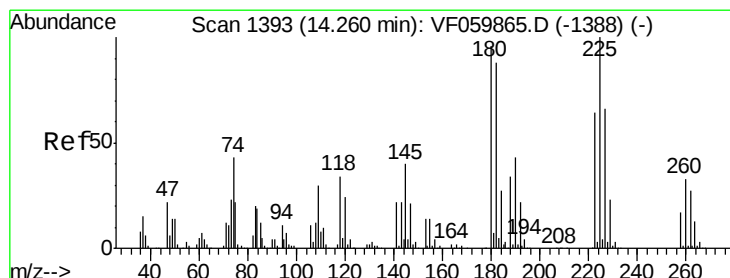
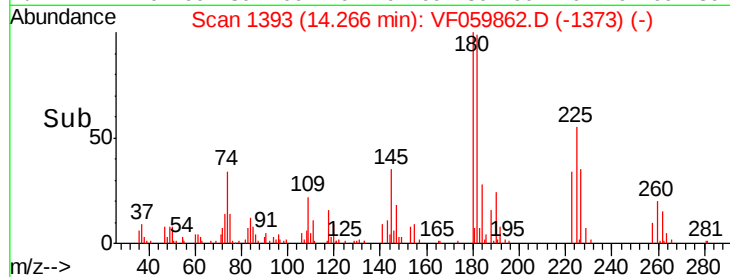
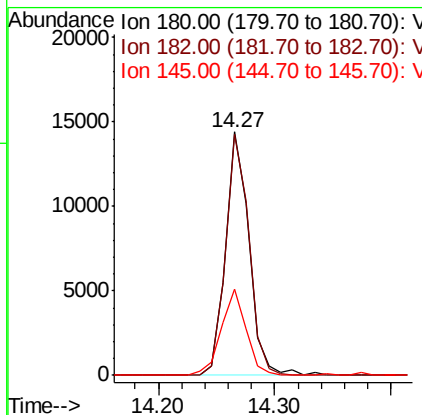
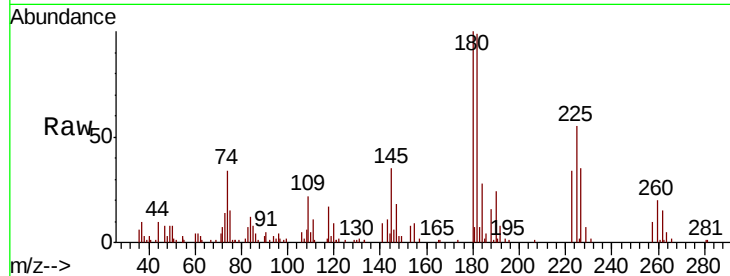
#93
 1,2,4-Trichlorobenzene
 Concen: 4.84 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.2	46.4	139.2	
145	35.2	15.9	47.7	

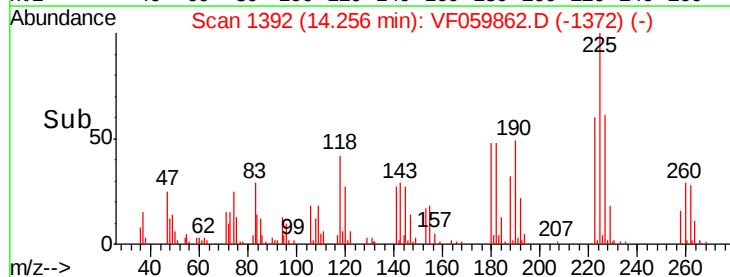
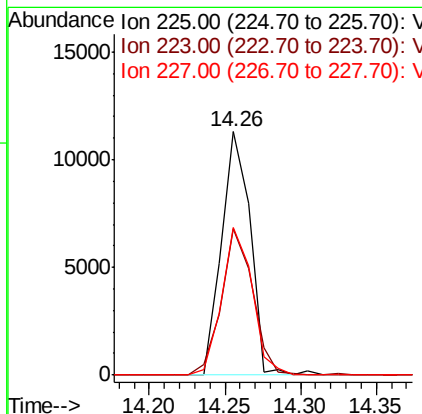
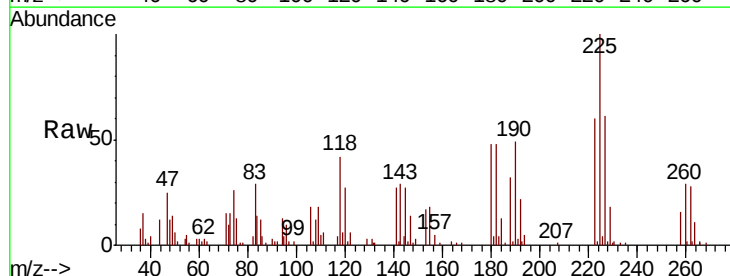
Manual Integrations
 APPROVED

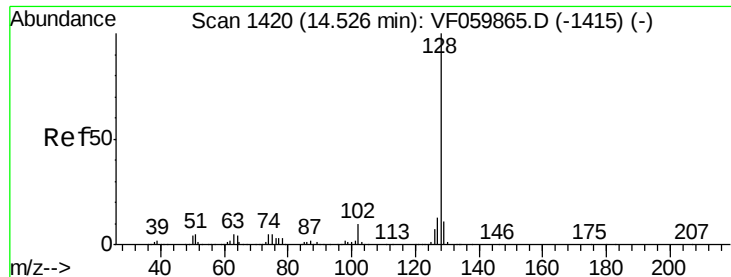
apatel
 8/6/2018 10:25:40 AM



#94
 Hexachlorobutadiene
 Concen: 5.30 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059862.D
 Acq: 4 Aug 2018 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.0	31.9	95.9	
227	60.9	32.8	98.4	





#95

Naphthalene

Concen: 3.86 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Instrument :

MSVOA_F

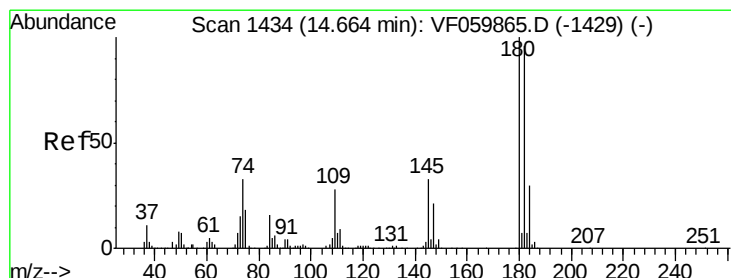
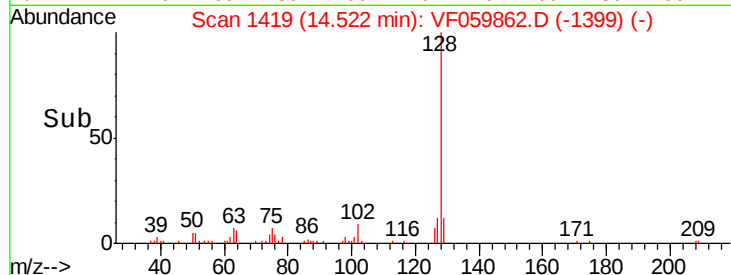
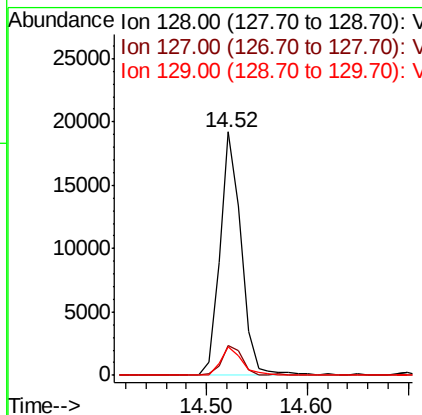
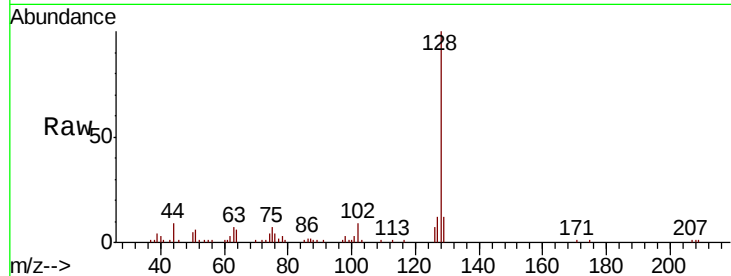
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	28177
Ion Ratio		Lower	Upper
128	100		
127	12.4	10.4	15.6
129	12.0	9.0	13.6

Manual Integrations
APPROVED

apatel
8/6/2018 10:25:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.56 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059862.D

Acq: 4 Aug 2018 3:21

Tgt Ion:	180	Resp:	18465
Ion Ratio		Lower	Upper
180	100		
182	97.9	48.1	144.3
145	29.5	16.6	49.8

