

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\
 Data File : VF059906.D
 Acq On : 7 Aug 2018 6:41
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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apatel
 8/8/2018 11:38:13 AM

Quant Time: Aug 07 09:04:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	162095	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	229194	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	240476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	164685	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	175719	60.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.26%	
35) Dibromofluoromethane	4.31	113	129008	56.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.14%	
50) Toluene-d8	7.72	98	291798	60.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.28%	
62) 4-Bromofluorobenzene	11.52	95	170093	62.39	ug/l	0.01
Spiked Amount	50.000		Recovery	=	124.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	139945	50.53	ug/l	100
3) Chloromethane	1.09	50	58001	45.27	ug/l	99
4) Vinyl Chloride	1.16	62	69120	52.67	ug/l	96
5) Bromomethane	1.35	94	60843	49.12	ug/l	87
6) Chloroethane	1.44	64	41244	50.03	ug/l	95
7) Trichlorofluoromethane	1.54	101	207188m	57.68	ug/l	
8) Diethyl Ether	1.70	74	32469	56.96	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	93019	46.93	ug/l	95
10) Methyl Iodide	1.98	142	159670m	52.43	ug/l	
11) Tert butyl alcohol	2.69	59	42504	360.58	ug/l	100
12) 1,1-Dichloroethene	1.86	96	75244	51.97	ug/l	88
13) Acrolein	2.10	56	15418	218.26	ug/l	85
14) Allyl chloride	2.20	41	99834	41.36	ug/l	99
15) Acrylonitrile	3.08	53	57134	264.51	ug/l #	90
16) Acetone	2.34	43	160785	298.03	ug/l	97
17) Carbon Disulfide	1.89	76	199631	51.65	ug/l	99
18) Methyl Acetate	2.45	43	50290	55.26	ug/l #	83
19) Methyl tert-butyl Ether	2.54	73	234077	57.10	ug/l	99
20) Methylene Chloride	2.33	84	80709m	61.56	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	75239	52.31	ug/l	83
22) Diisopropyl ether	2.94	45	249870	53.80	ug/l	95
23) Vinyl Acetate	3.34	43	663218	295.00	ug/l	98
24) 1,1-Dichloroethane	3.00	63	182553	53.98	ug/l	97
25) 2-Butanone	4.52	43	172343	293.80	ug/l	99
26) 2,2-Dichloropropane	3.77	77	97023	49.28	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	78447	48.51	ug/l	87
28) Bromochloromethane	3.90	49	69492	58.19	ug/l	99
29) Tetrahydrofuran	4.26	42	63958	296.17	ug/l	98
30) Chloroform	4.05	83	241352	52.75	ug/l	91
31) Cyclohexane	3.86	56	83900	50.12	ug/l	90
32) 1,1,1-Trichloroethane	4.29	97	186872	51.05	ug/l	96
36) 1,1-Dichloropropene	4.46	75	138399	52.21	ug/l	99
37) Ethyl Acetate	4.31	43	74026	65.03	ug/l #	43
38) Carbon Tetrachloride	4.18	117	201893m	53.20	ug/l	

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	101427	51.02	ug/l	94
40) Benzene	4.82	78	244266	54.01	ug/l	98
41) Methacrylonitrile	4.94	41	29962	49.88	ug/l #	93
42) 1,2-Dichloroethane	5.12	62	218592	59.55	ug/l	99
43) Isopropyl Acetate	7.12	43	74567	63.62	ug/l #	89
44) Trichloroethene	5.69	130	95602	54.15	ug/l	92
45) 1,2-Dichloropropane	6.41	63	66772	54.89	ug/l	99
46) Dibromomethane	6.27	93	70949	57.80	ug/l	86
47) Bromodichloromethane	6.55	83	196940	58.66	ug/l	99
48) Methyl methacrylate	6.89	41	68542	75.17	ug/l	94
49) 1,4-Dioxane	6.88	88	8000	1203.41	ug/l	91
51) 4-Methyl-2-Pentanone	8.42	43	378514	315.85	ug/l	99
52) Toluene	7.79	92	179995	53.76	ug/l	92
53) t-1,3-Dichloropropene	8.44	75	155761	60.99	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	154035	58.44	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	71697	59.48	ug/l	96
56) Ethyl methacrylate	8.77	69	76468	57.33	ug/l	99
57) 1,3-Dichloropropane	9.01	76	125670	60.72	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.79	63	45309	284.14	ug/l	100
59) 2-Hexanone	9.64	43	279369	330.01	ug/l	97
60) Dibromochloromethane	8.87	129	135420	59.89	ug/l	98
61) 1,2-Dibromoethane	9.15	107	87025	59.26	ug/l	94
64) Tetrachloroethene	8.32	164	108652	52.38	ug/l	95
65) Chlorobenzene	9.95	112	244388	50.07	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	126377	52.05	ug/l	97
67) Ethyl Benzene	10.05	91	465163	54.70	ug/l	99
68) m/p-Xylenes	10.28	106	308409	104.92	ug/l	99
69) o-Xylene	10.84	106	169720	54.50	ug/l	95
70) Styrene	10.91	104	258743	55.68	ug/l	98
71) Bromoform	10.90	173	88007	59.14	ug/l	100
73) Isopropylbenzene	11.24	105	549135	53.54	ug/l	99
74) N-amyl acetate	11.47	43	144388	56.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.80	83	101965	52.95	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	89707	54.23	ug/l	83
77) Bromobenzene	11.60	156	149300	53.52	ug/l	94
78) n-propylbenzene	11.70	91	623228	51.45	ug/l	97
79) 2-Chlorotoluene	11.82	91	396750	51.78	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	515757	54.15	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	34317m	57.76	ug/l	
82) 4-Chlorotoluene	11.99	91	446102	53.61	ug/l	96
83) tert-Butylbenzene	12.22	119	499041	53.82	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	508341	51.89	ug/l	94
85) sec-Butylbenzene	12.40	105	631681	51.28	ug/l	97
86) p-Isopropyltoluene	12.55	119	552913	53.40	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	271710	51.41	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	265665	51.20	ug/l	95
89) n-Butylbenzene	12.92	91	540767	54.80	ug/l	98
90) Hexachloroethane	13.00	117	142830	49.99	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	268899	52.87	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	27438	56.52	ug/l	95

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ClientSampleId :
VSTDCCC050

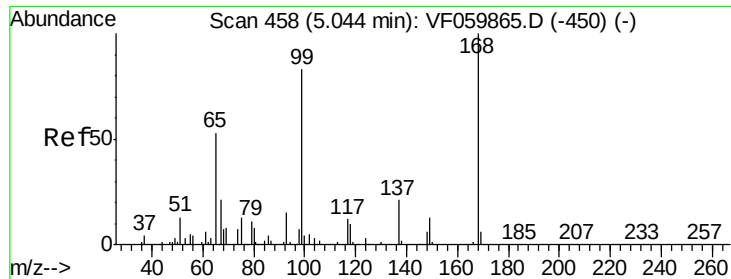
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	213071	55.17	ug/l	99
94) Hexachlorobutadiene	14.26	225	141192	51.76	ug/l	99
95) Naphthalene	14.53	128	389669	58.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	211148	55.37	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 162095

Ion Ratio Lower Upper

168 100

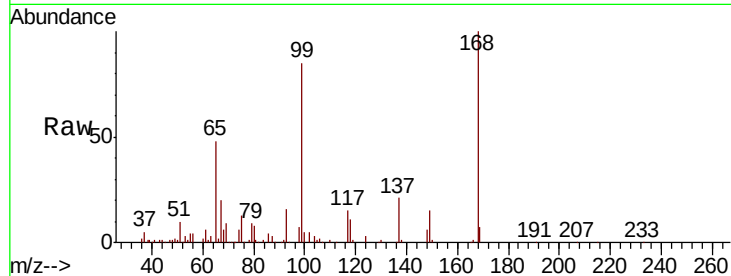
99 84.6 66.3 99.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

50000

40000

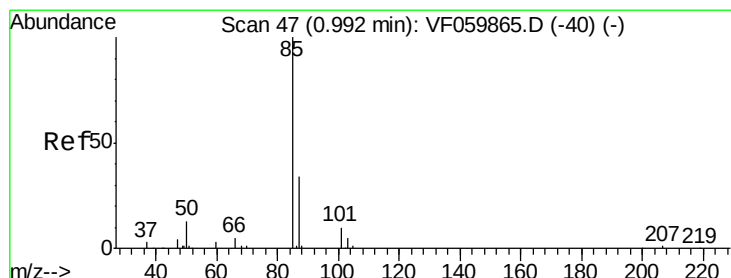
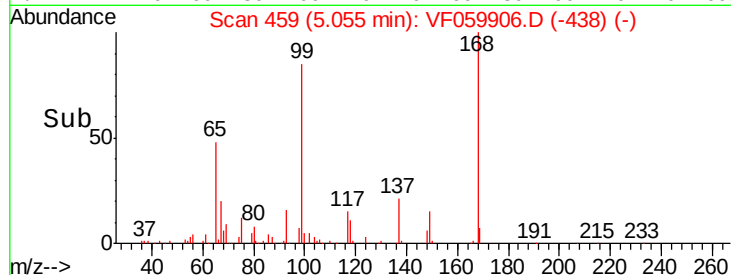
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.53 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF059906.D

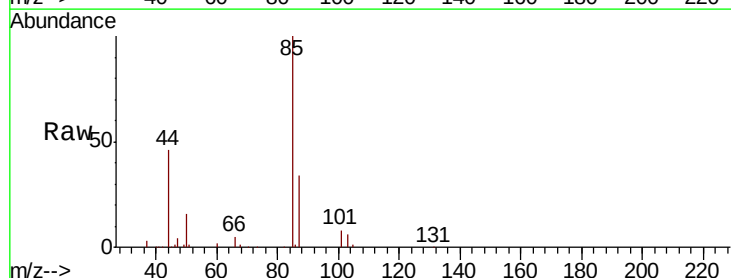
Acq: 7 Aug 2018 6:41

Tgt Ion: 85 Resp: 139945

Ion Ratio Lower Upper

85 100

87 33.7 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

40000

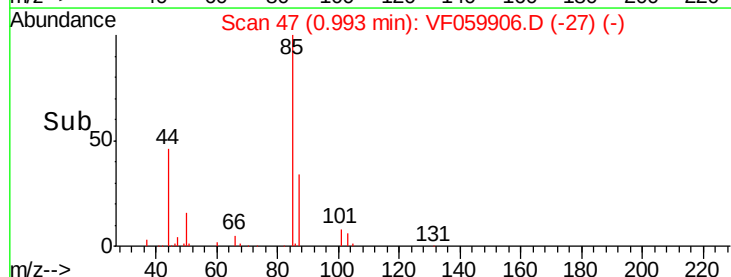
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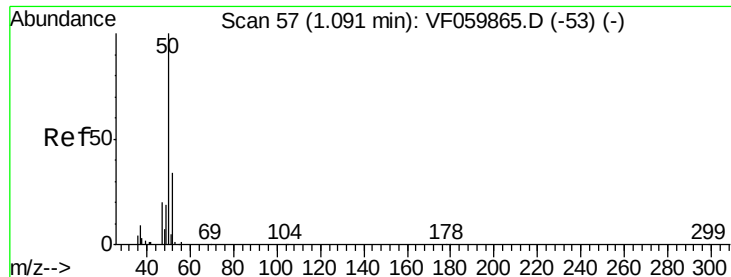
20000

10000

0

Time-->





#3

Chloromethane

Concen: 45.27 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tot Ion: 50 Resp: 58001

Ion Ratio Lower Upper

50 100

52 33.0 25.8 38.8

Instrument :

MSVOA_F

ClientSampleId :

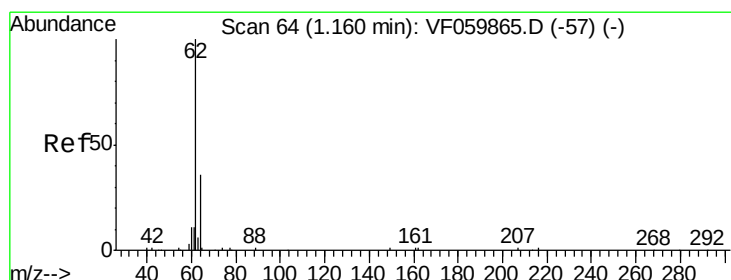
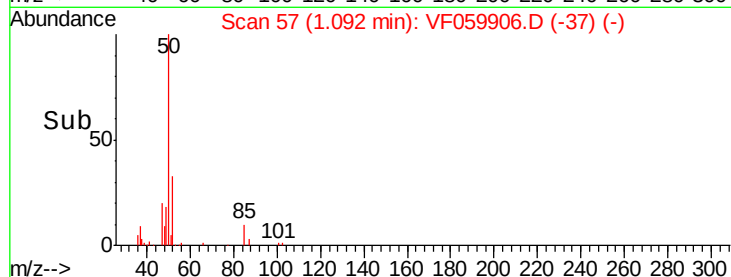
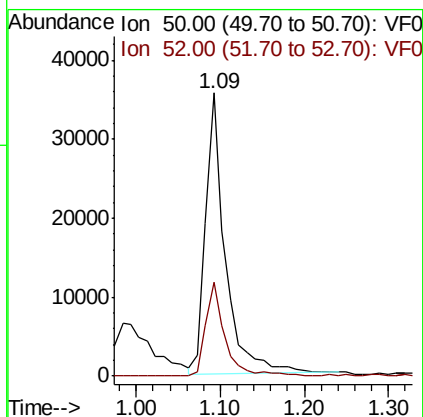
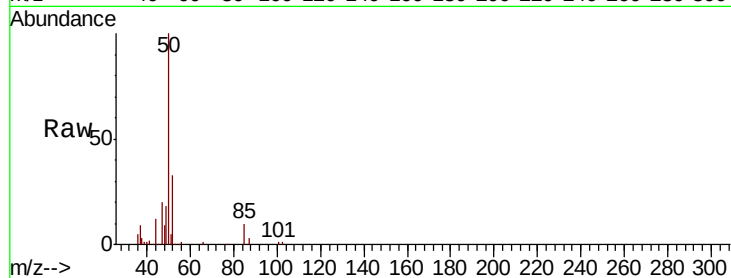
VSTDCCC050

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#4

Vinyl Chloride

Concen: 52.67 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059906.D

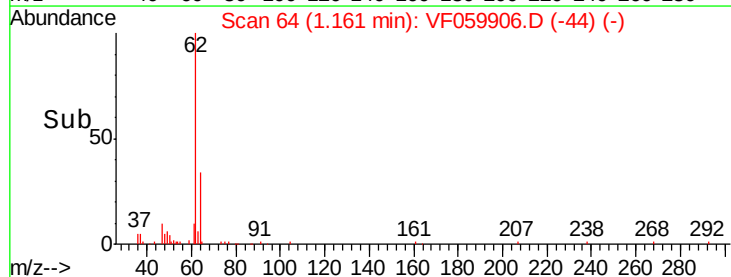
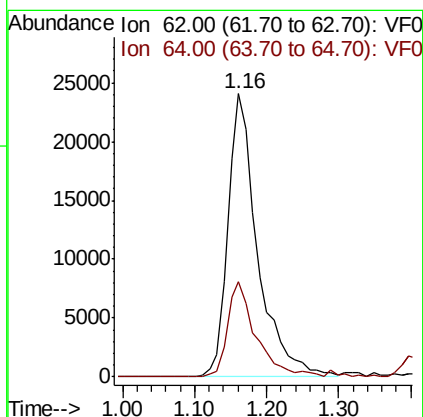
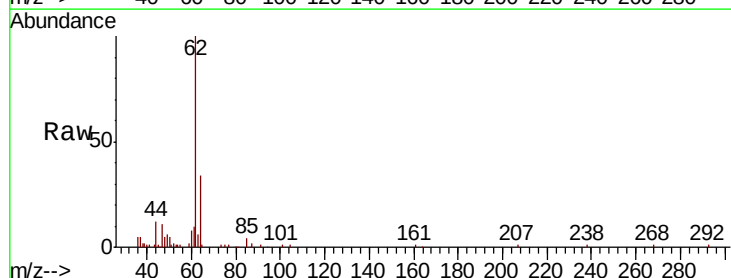
Acq: 7 Aug 2018 6:41

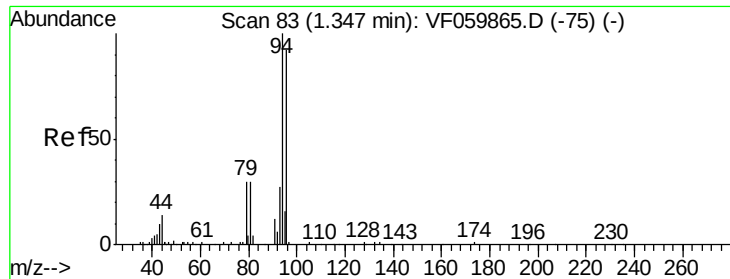
Tgt Ion: 62 Resp: 69120

Ion Ratio Lower Upper

62 100

64 33.5 28.5 42.7





#5

Bromomethane

Concen: 49.12 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 60843

Ion Ratio Lower Upper

94 100

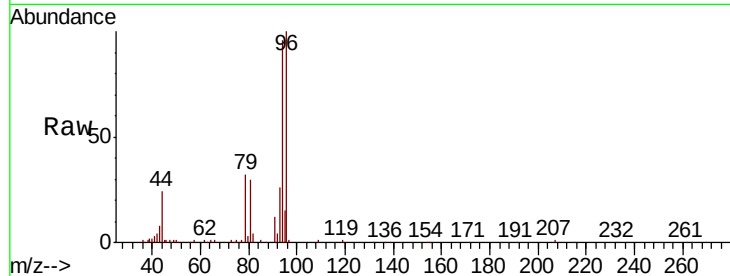
96 104.6 73.8 110.8

Manual Integrations

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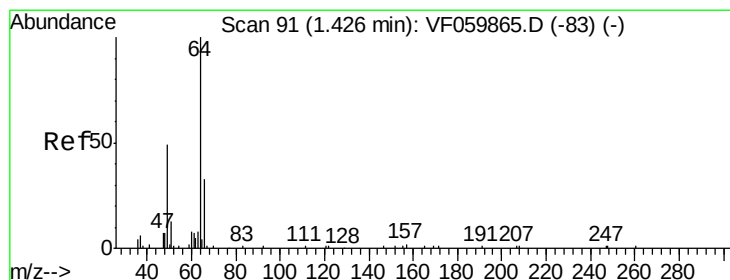
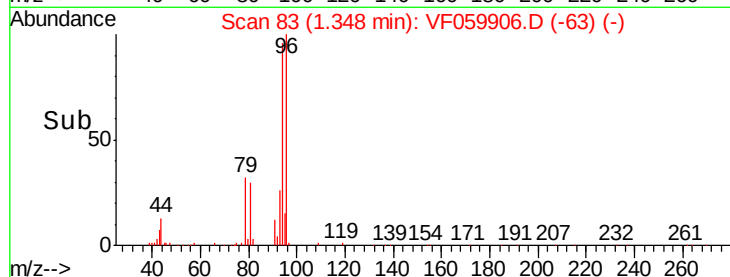
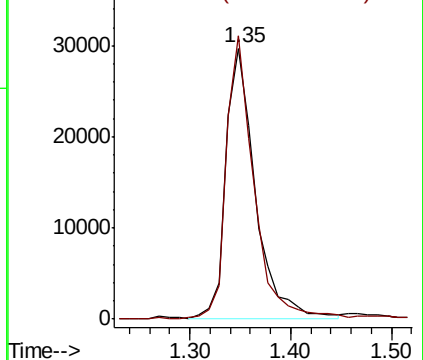
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 50.03 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF059906.D

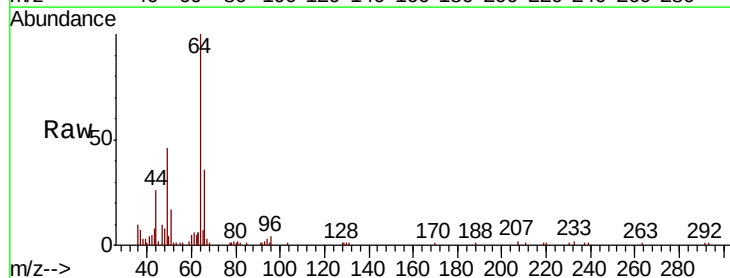
Acq: 7 Aug 2018 6:41

Tgt Ion: 64 Resp: 41244

Ion Ratio Lower Upper

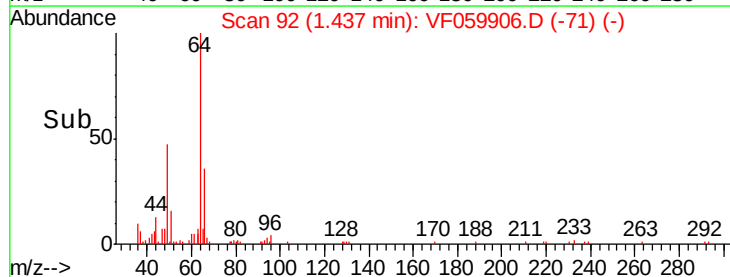
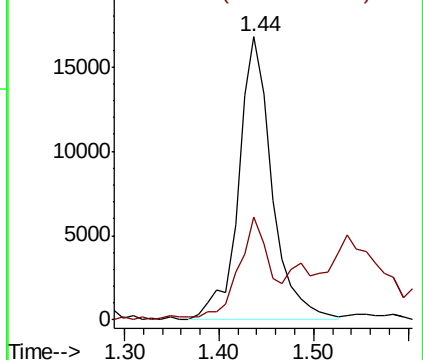
64 100

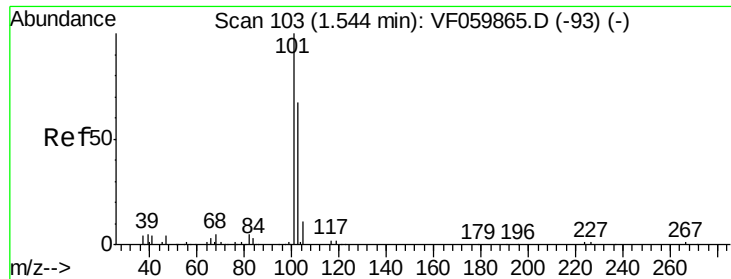
66 36.2 26.9 40.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

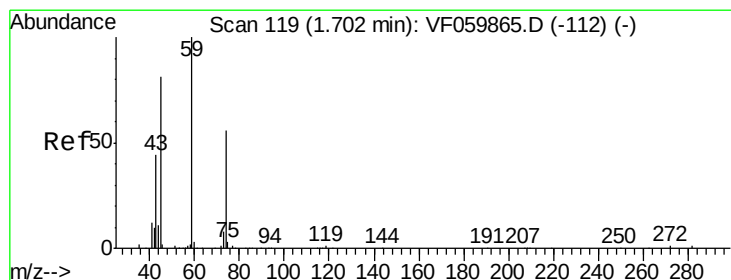
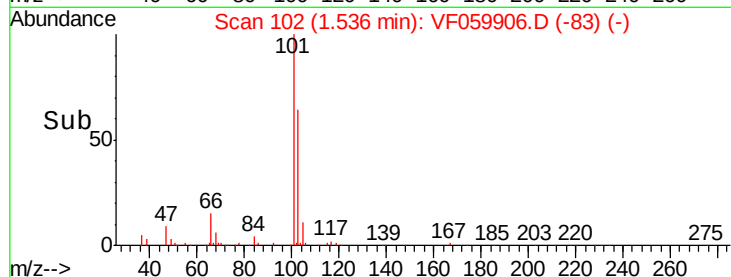
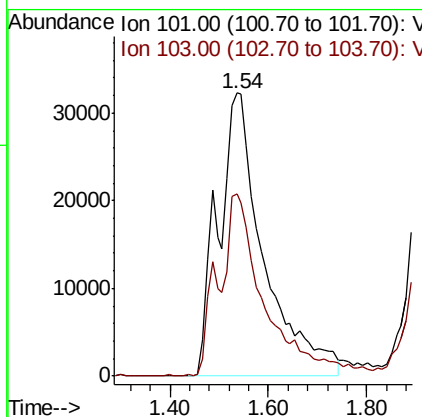
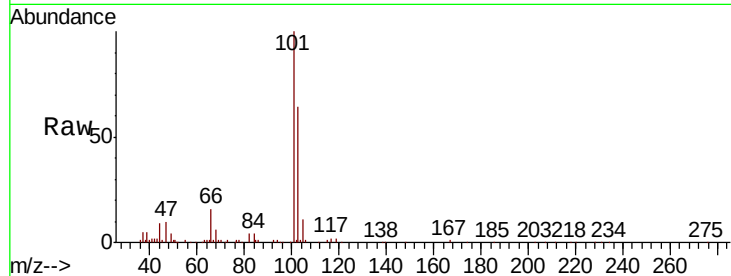
Trichlorofluoromethane
Concen: 57.68 ug/l m
RT: 1.54 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.6	80.4

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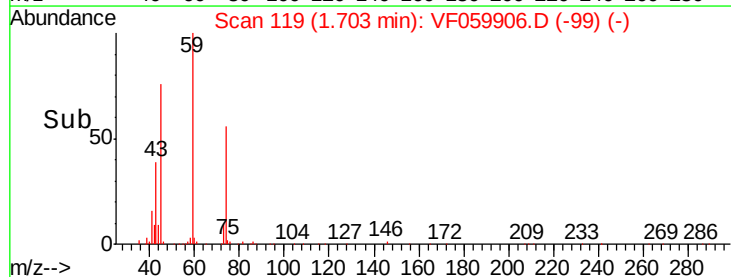
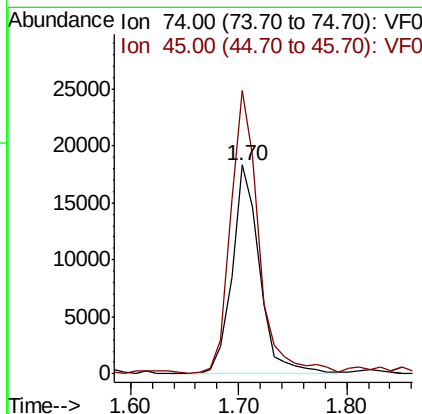
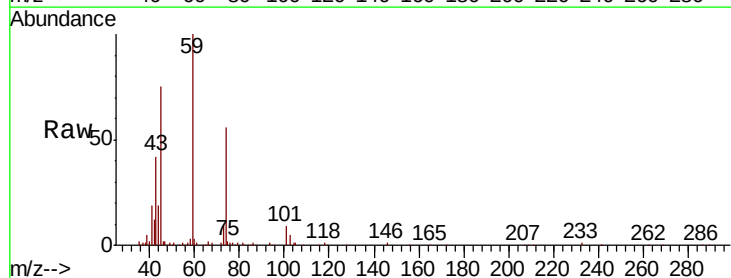
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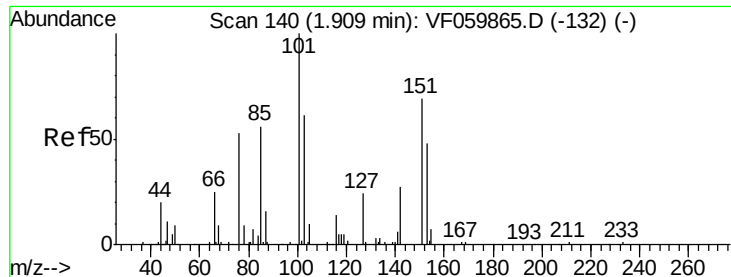


#8

Diethyl Ether
Concen: 56.96 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.4	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.93 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

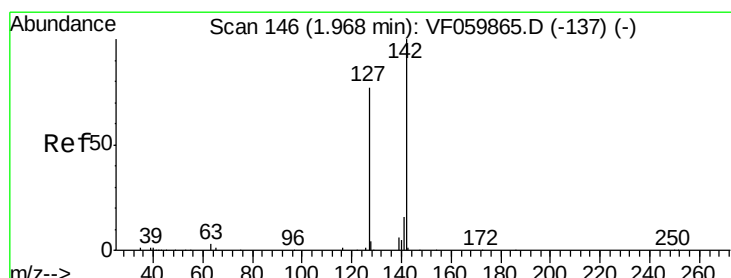
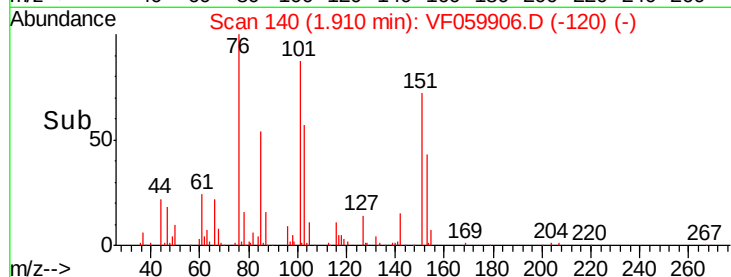
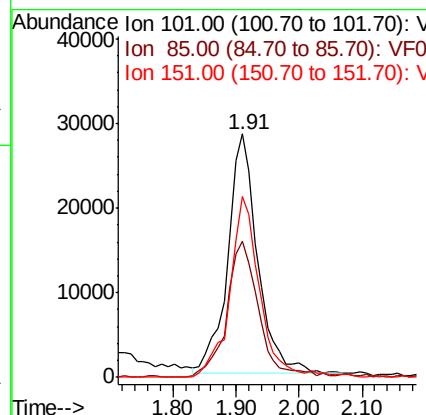
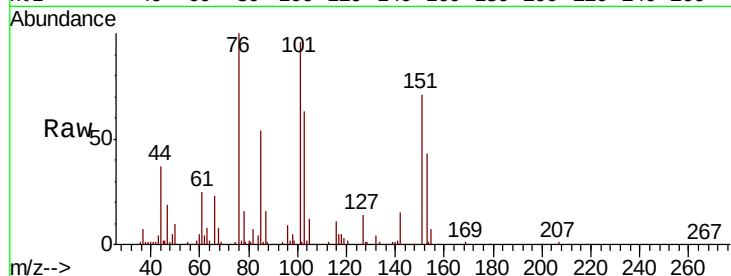
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	93019
Ion Ratio	Lower	Upper	
101	100		
85	55.9	44.5	66.7
151	74.4	53.8	80.8

Manual Integrations
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#10

Methyl Iodide

Concen: 52.43 ug/l m

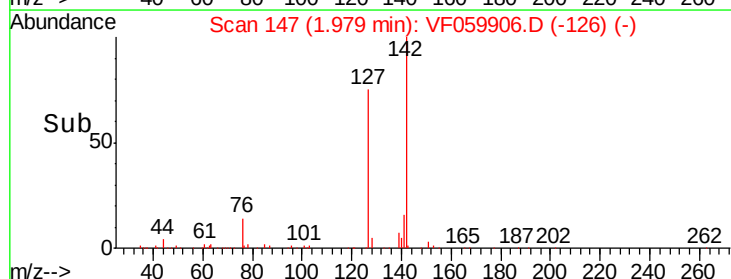
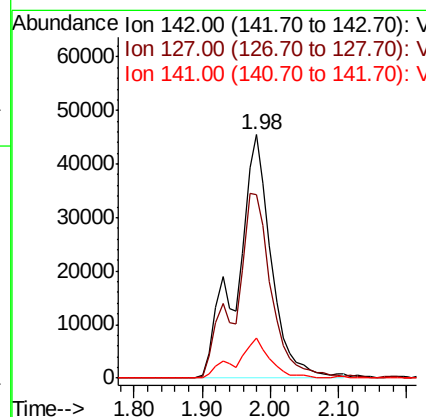
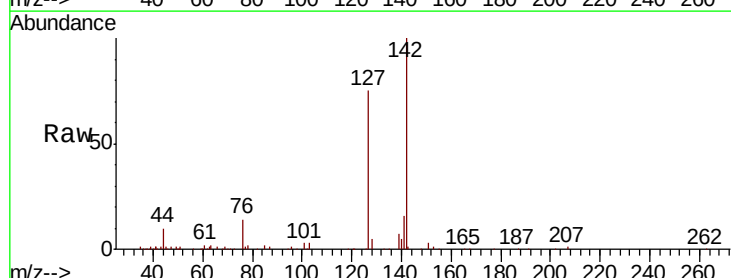
RT: 1.98 min Scan# 147

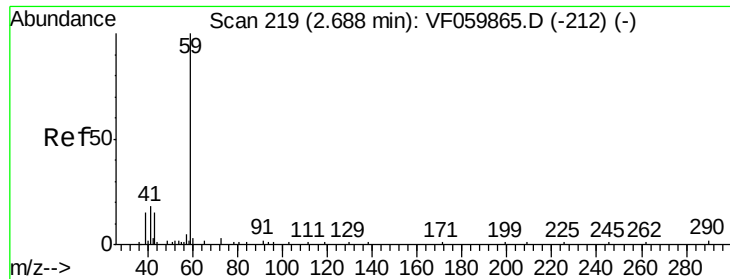
Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion:	142	Resp:	159670
Ion Ratio	Lower	Upper	
142	100		
127	75.5	61.5	92.3
141	16.3	13.0	19.4





#11

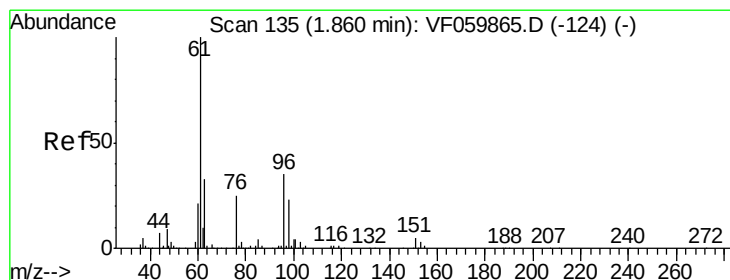
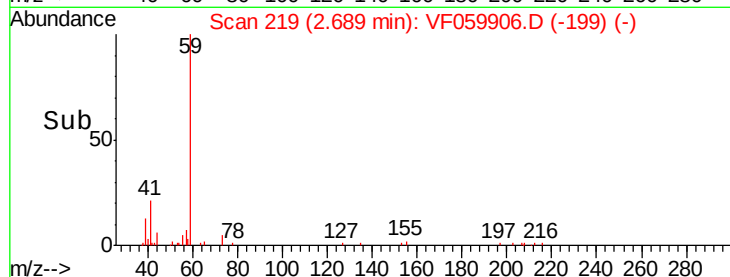
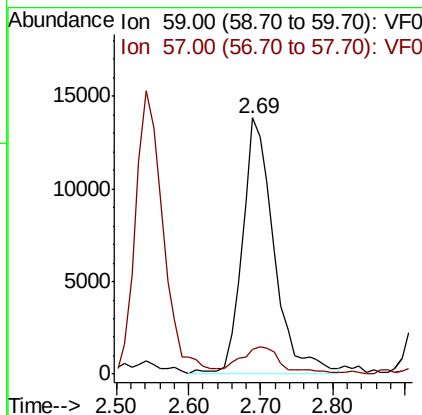
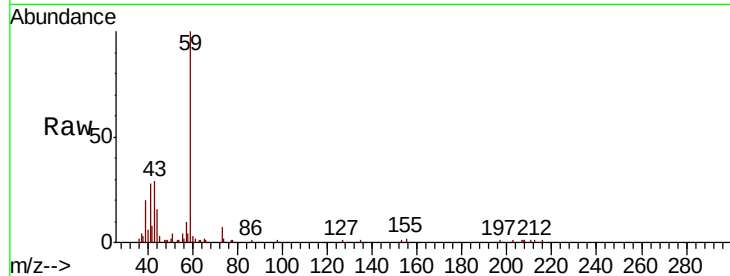
Tert butyl alcohol
Concen: 360.58 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.6	11.4

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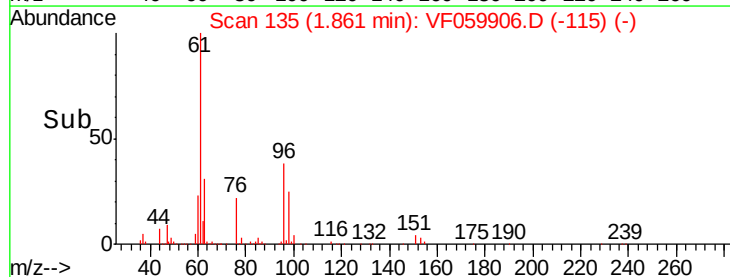
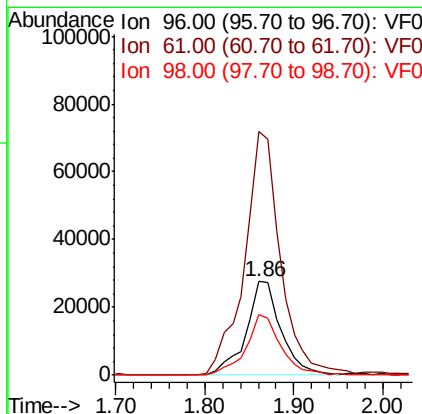
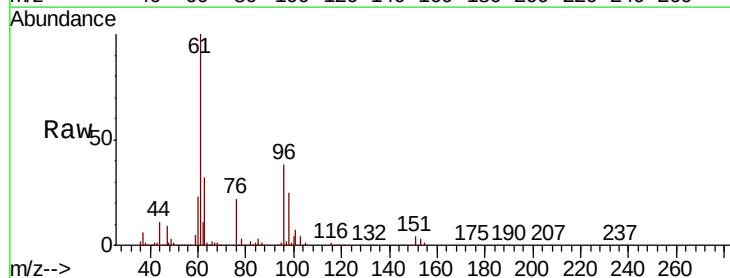
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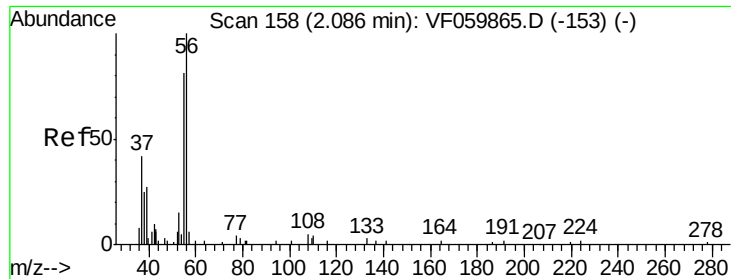


#12

1,1-Dichloroethene
Concen: 51.97 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	260.2	230.2	345.2
98	64.9	52.7	79.1





#13

Acrolein

Concen: 218.26 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tot Ion: 56 Resp: 15418

Ion Ratio Lower Upper

56 100

55 67.8 64.6 96.8

Instrument :

MSVOA_F

ClientSampleId :

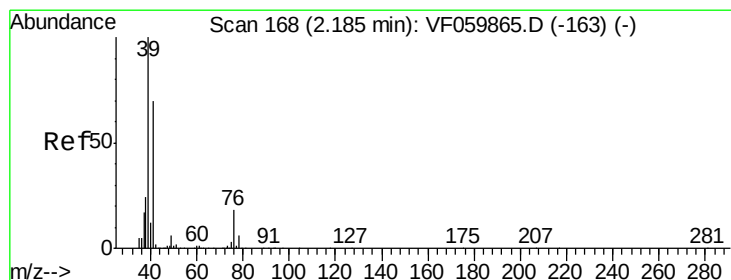
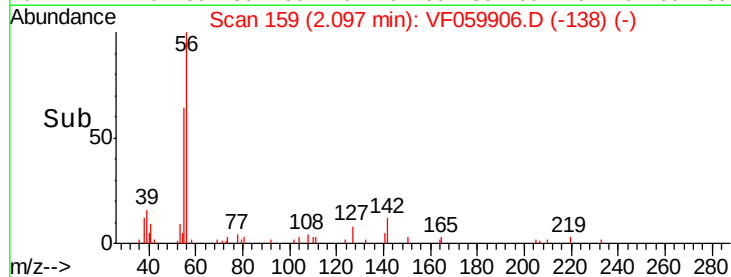
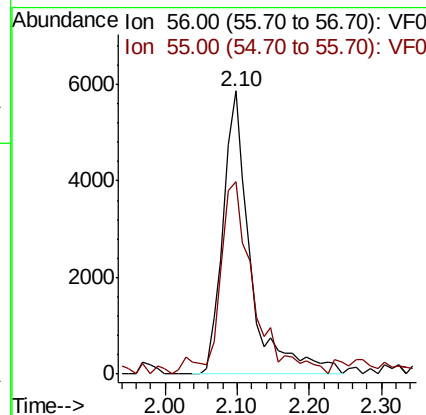
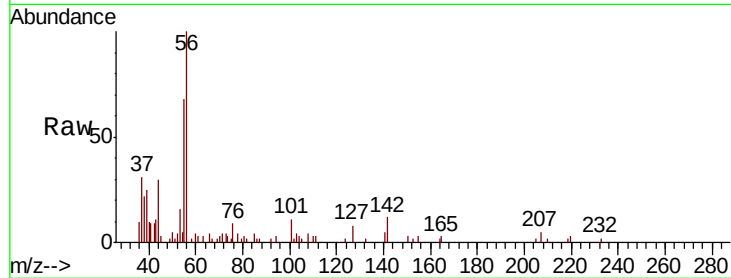
VSTDCCC050

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#14

Allyl chloride

Concen: 41.36 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

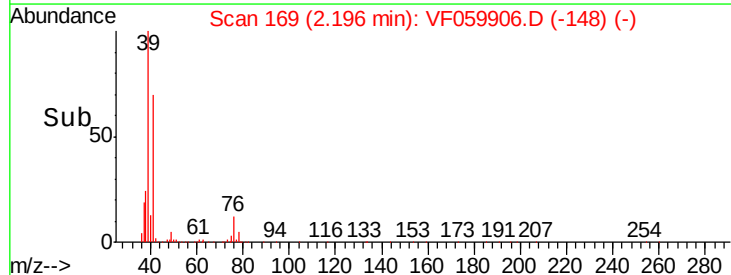
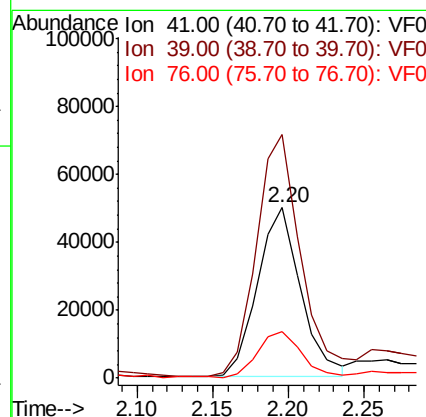
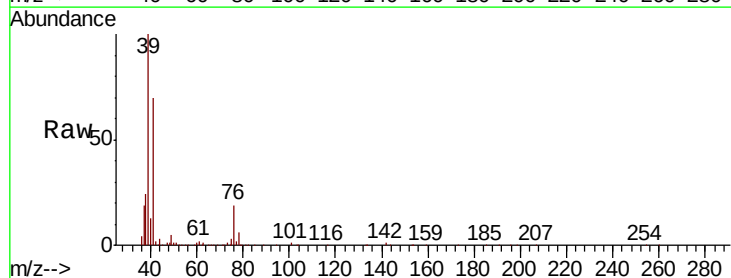
Tgt Ion: 41 Resp: 99834

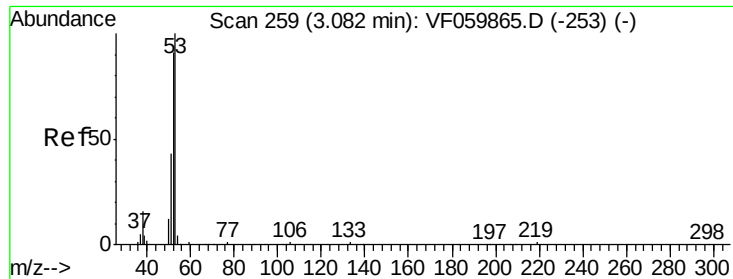
Ion Ratio Lower Upper

41 100

39 142.9 114.6 171.8

76 27.3 21.0 31.4





#15

Acrylonitrile

Concen: 264.51 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

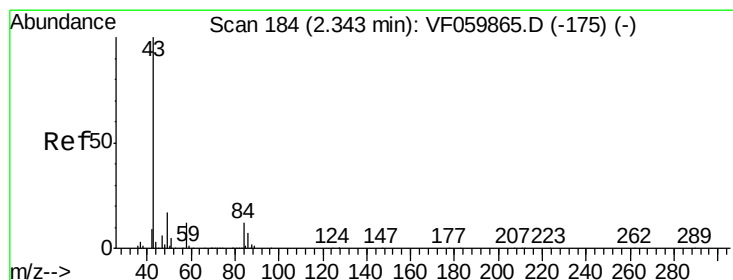
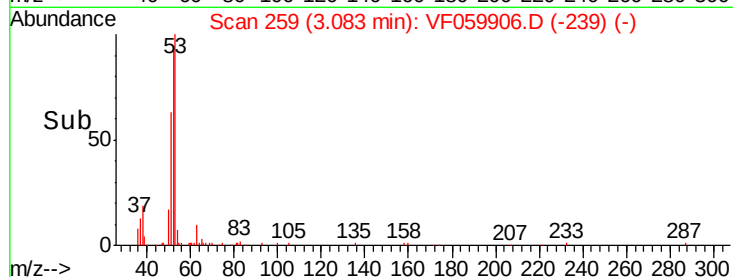
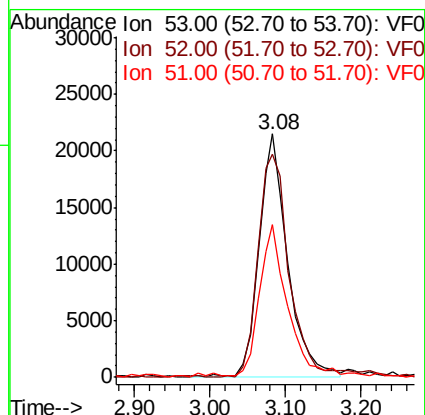
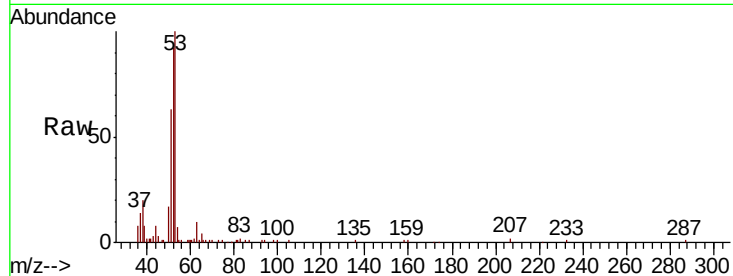
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	57134
Ion Ratio	Lower	Upper	
53	100		
52	91.7	72.9	109.3
51	62.7	34.5	51.7#

Manual Integrations
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#16

Acetone

Concen: 298.03 ug/l

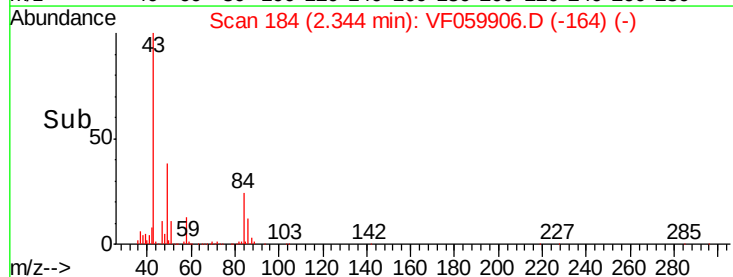
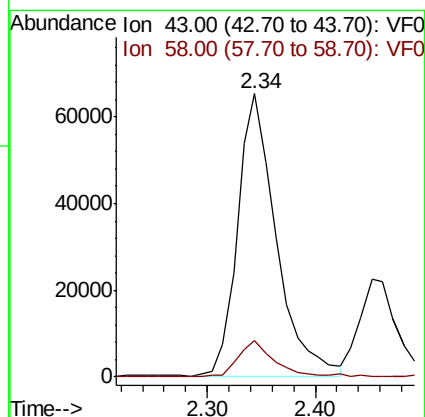
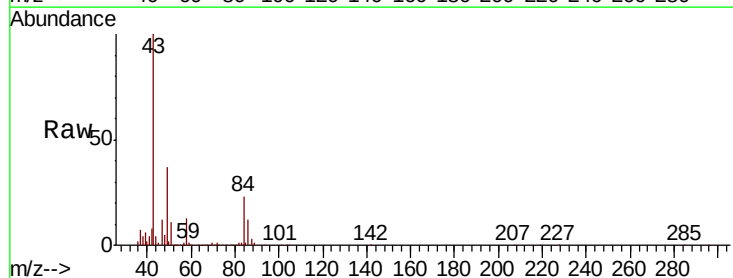
RT: 2.34 min Scan# 184

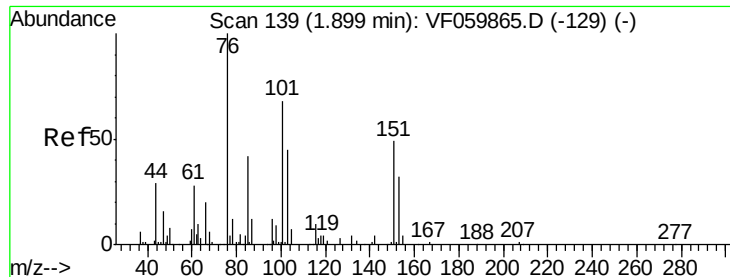
Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion:	43	Resp:	160785
Ion Ratio	Lower	Upper	
43	100		
58	12.8	9.4	14.0





#17

Carbon Disulfide

Concen: 51.65 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tot Ion: 76 Resp: 199631

Ion Ratio Lower Upper

76 100

78 11.1 9.3 13.9

Instrument :

MSVOA_F

ClientSampleId :

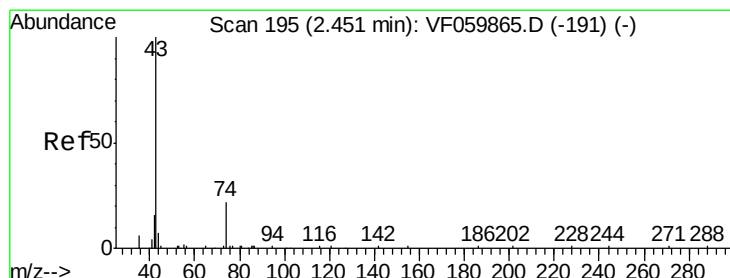
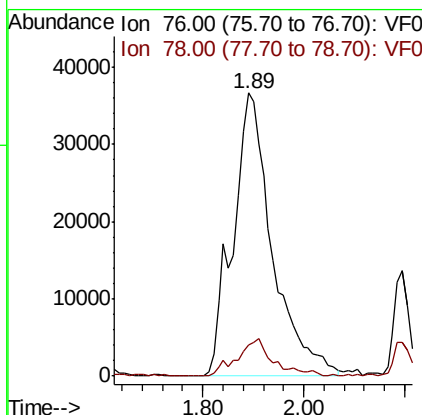
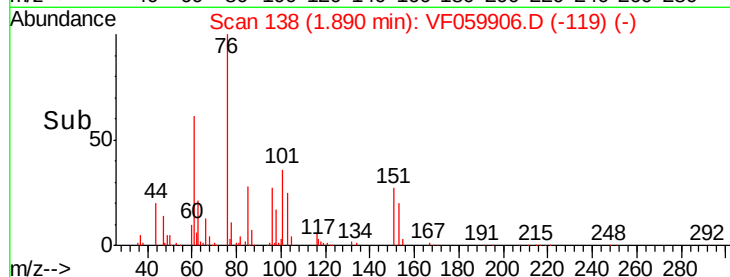
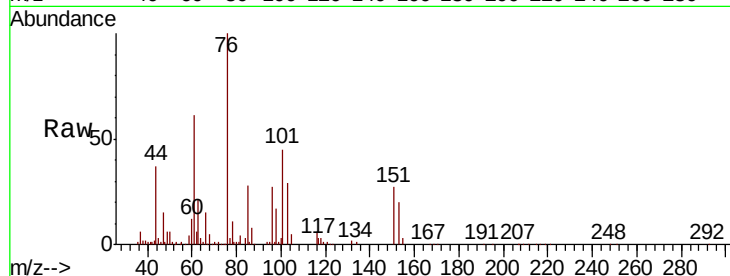
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#18

Methyl Acetate

Concen: 55.26 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059906.D

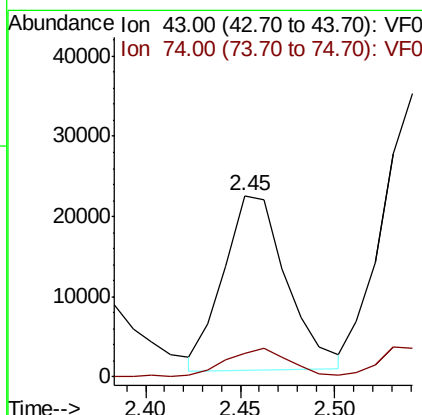
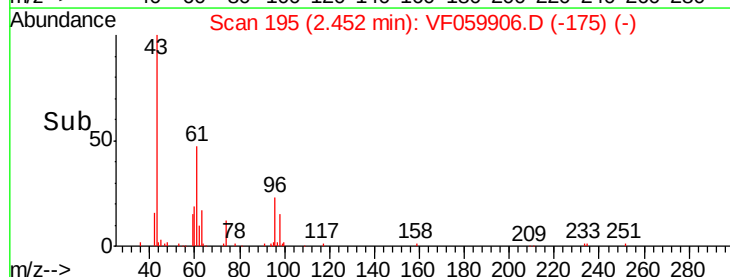
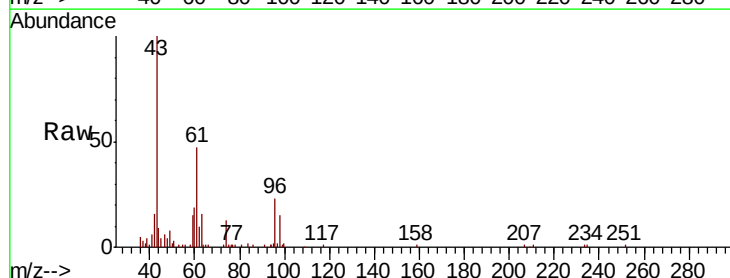
Acq: 7 Aug 2018 6:41

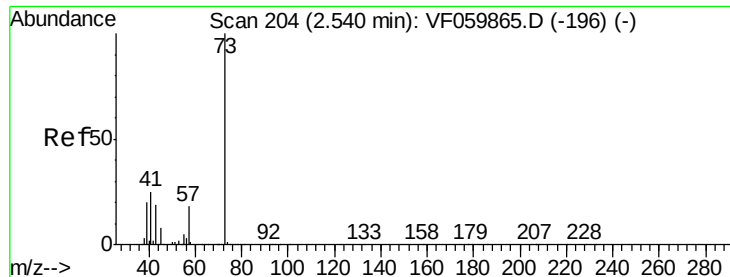
Tgt Ion: 43 Resp: 50290

Ion Ratio Lower Upper

43 100

74 12.7 16.3 24.5#





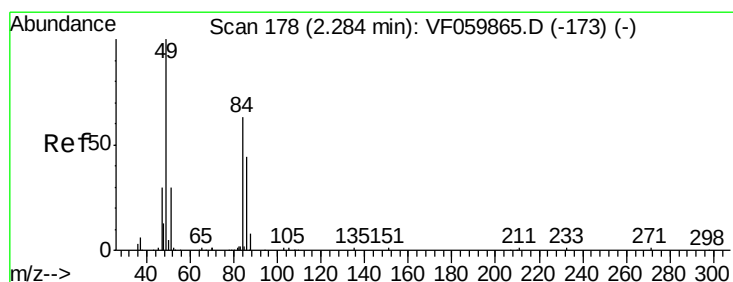
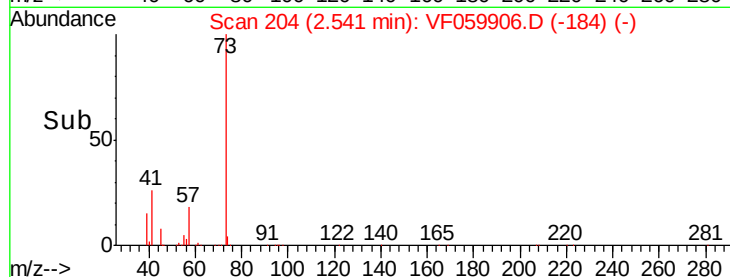
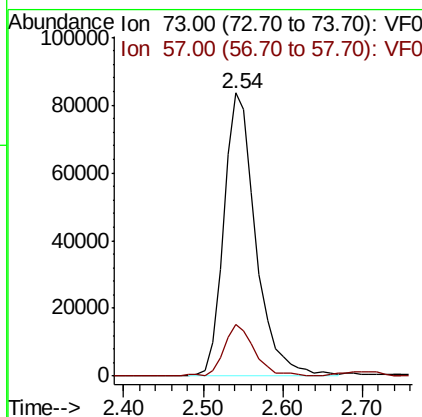
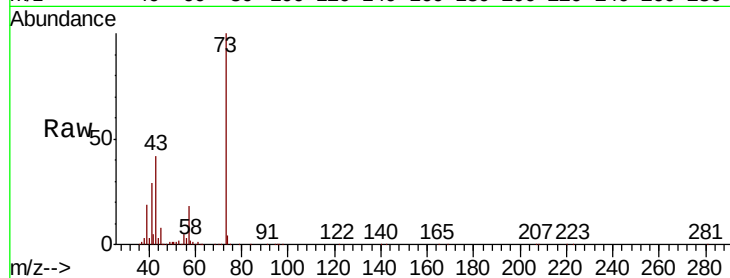
#19
Methyl tert-butyl Ether
Concen: 57.10 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.3	14.3	21.5

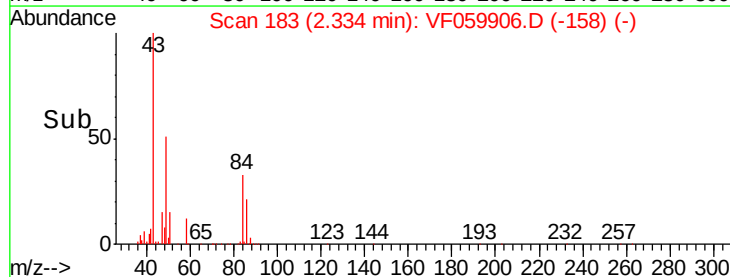
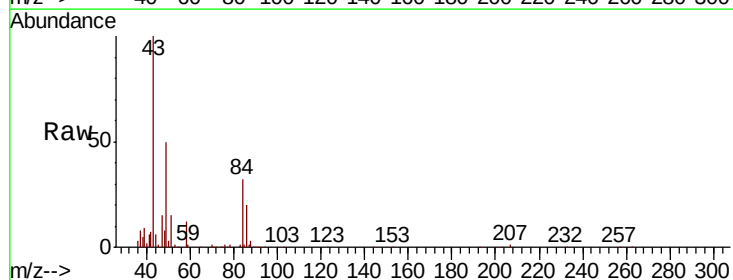
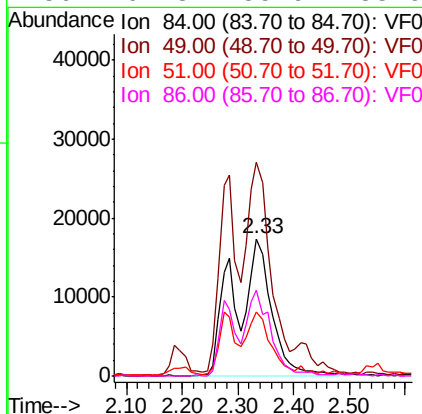
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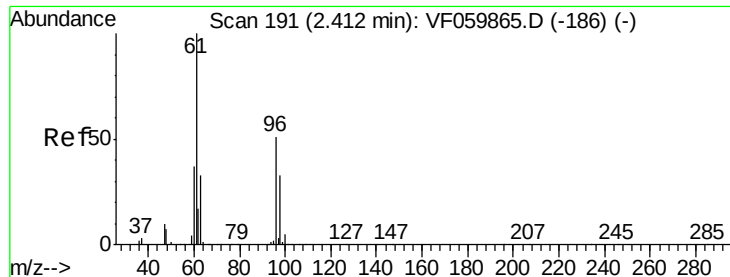
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#20
Methylene Chloride
Concen: 61.56 ug/l m
RT: 2.33 min Scan# 183
Delta R.T. 0.05 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.3	128.7	193.1
51	46.8	39.3	58.9
86	62.8	55.9	83.9





#21

trans-1,2-Dichloroethene

Concen: 52.31 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

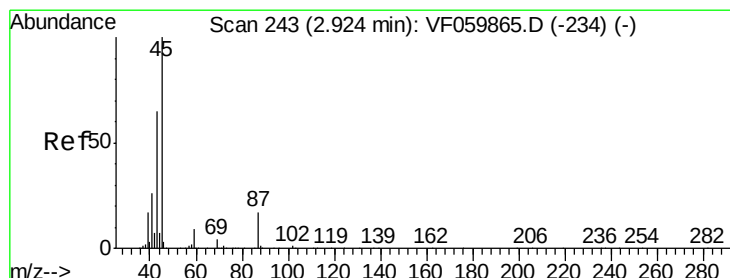
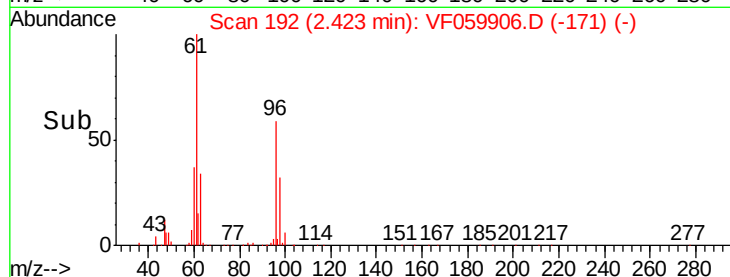
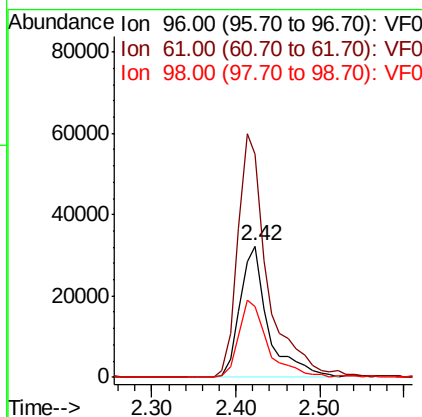
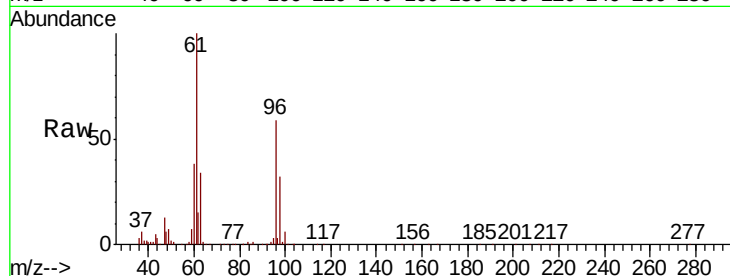
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	75239
Ion Ratio	Lower	Upper	
96	100		
61	170.0	158.2	237.4
98	54.1	52.0	78.0

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#22

Diisopropyl ether

Concen: 53.80 ug/l

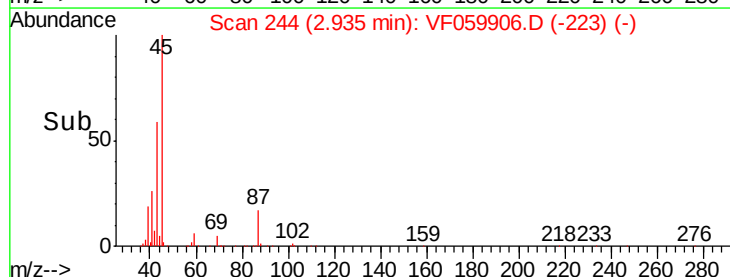
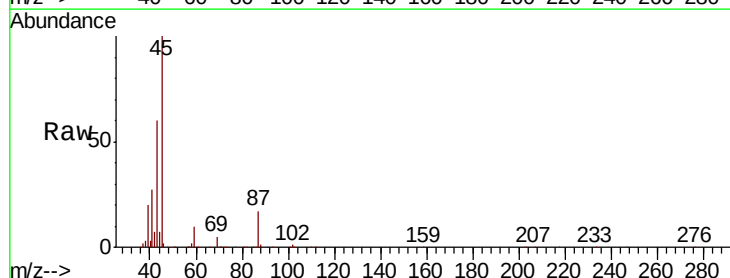
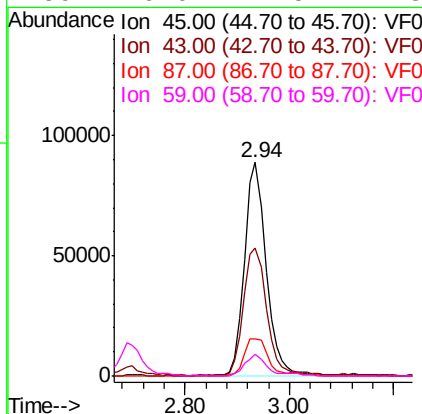
RT: 2.94 min Scan# 244

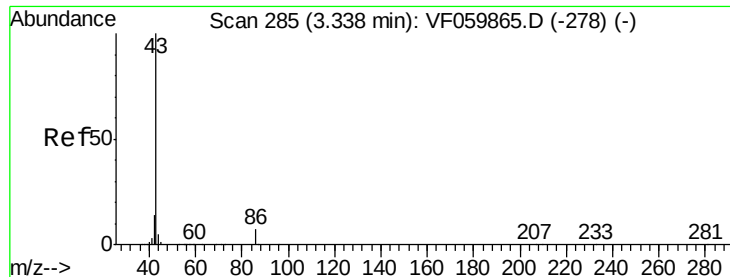
Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion:	45	Resp:	249870
Ion Ratio	Lower	Upper	
45	100		
43	60.1	52.1	78.1
87	17.3	13.8	20.8
59	10.0	7.5	11.3





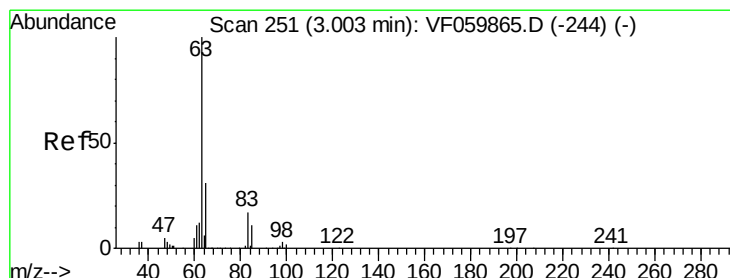
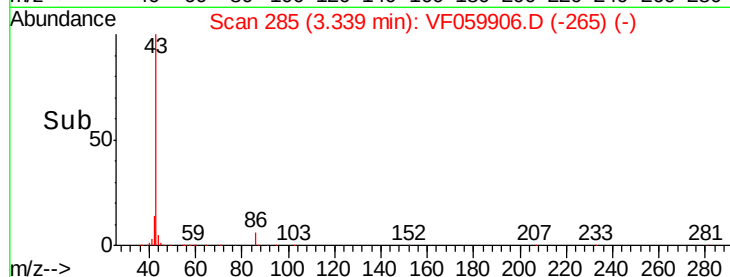
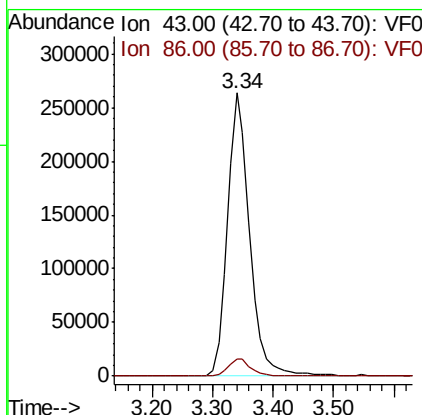
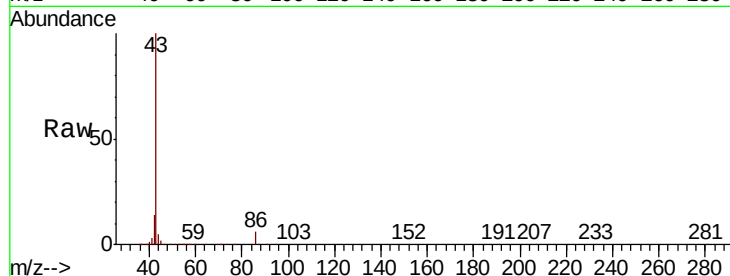
#23
 Vinyl Acetate
 Concen: 295.00 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	663218		
86	6.3		5.6	8.4

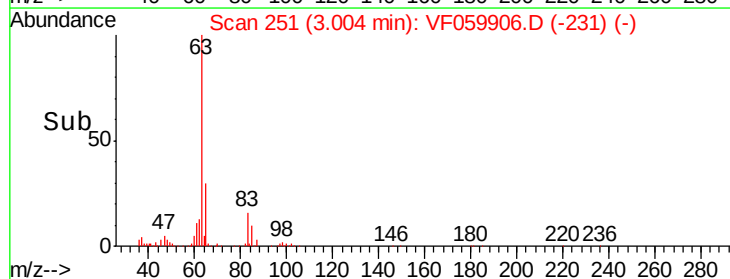
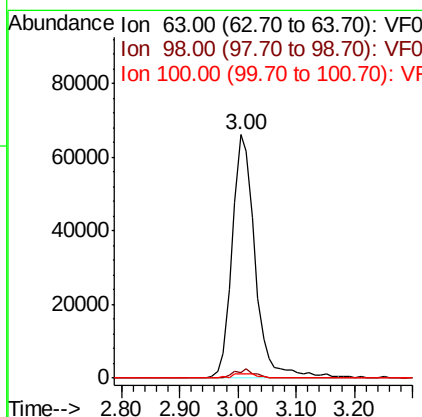
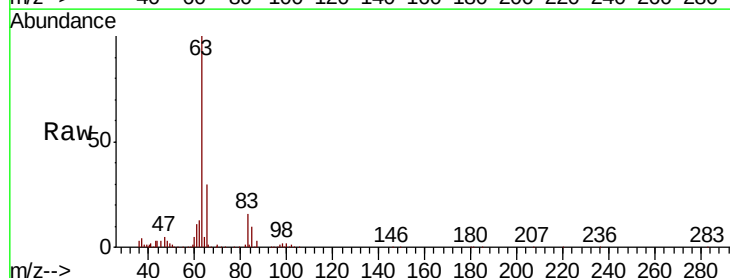
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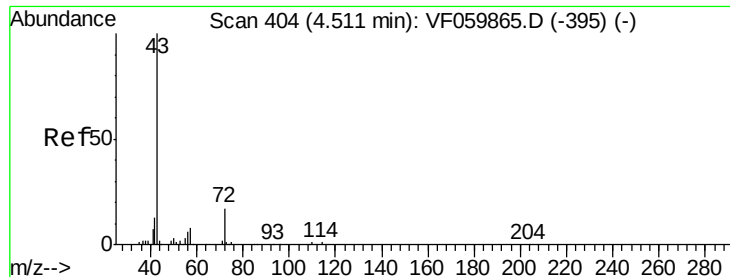
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#24
 1,1-Dichloroethane
 Concen: 53.98 ug/l
 RT: 3.00 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	182553		
98	2.5		1.9	5.7
100	1.7		1.1	3.5





#25

2-Butanone

Concen: 293.80 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tot Ion: 43 Resp: 172343

Ion Ratio Lower Upper

43 100

72 16.8 13.9 20.9

Instrument :

MSVOA_F

ClientSampleId :

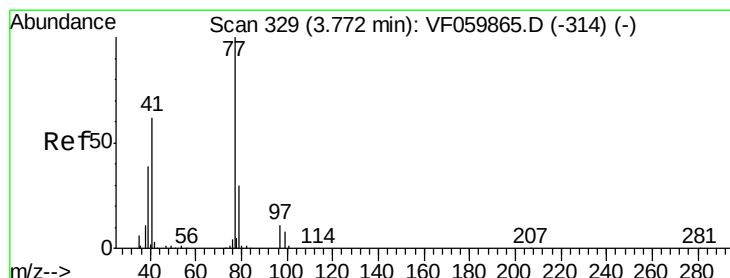
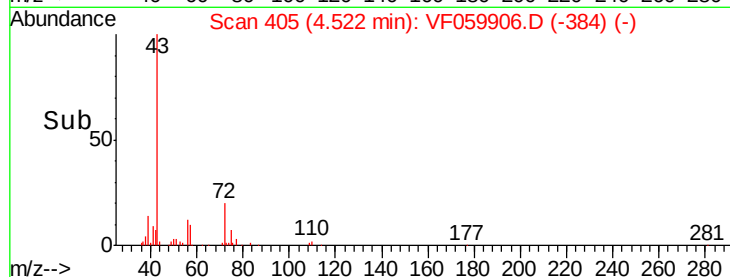
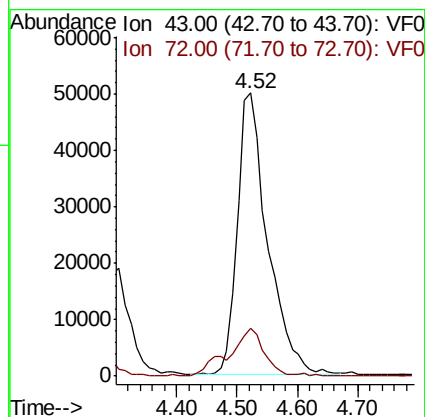
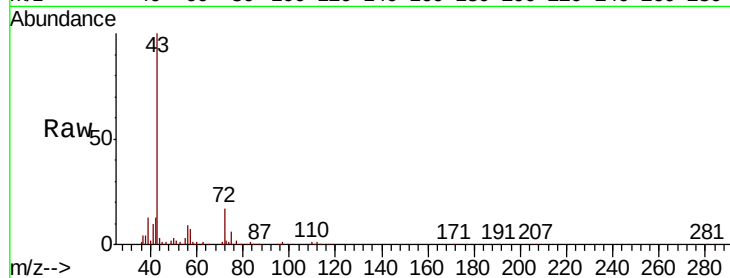
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 49.28 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059906.D

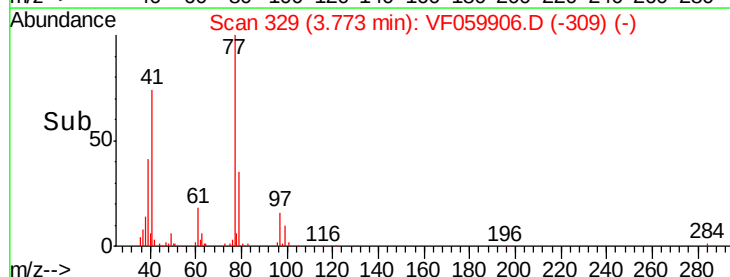
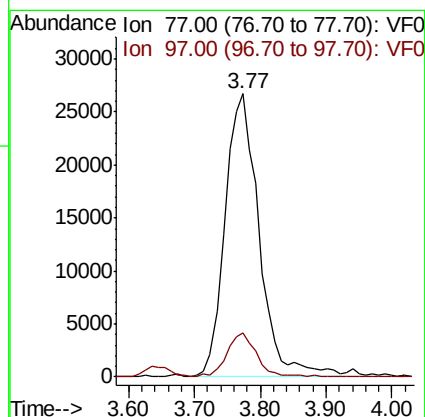
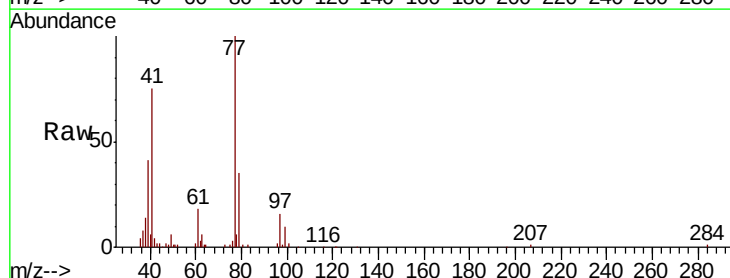
Acq: 7 Aug 2018 6:41

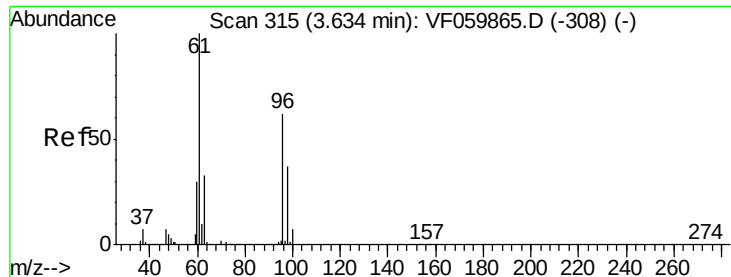
Tgt Ion: 77 Resp: 97023

Ion Ratio Lower Upper

77 100

97 15.7 6.8 20.3





#27

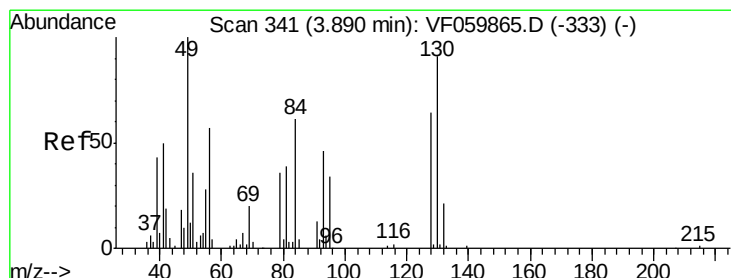
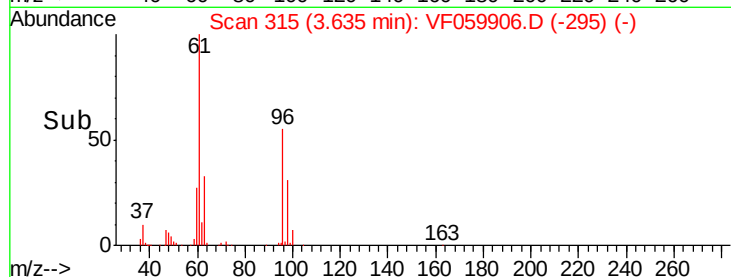
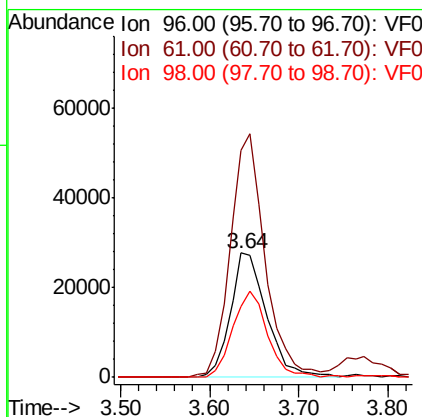
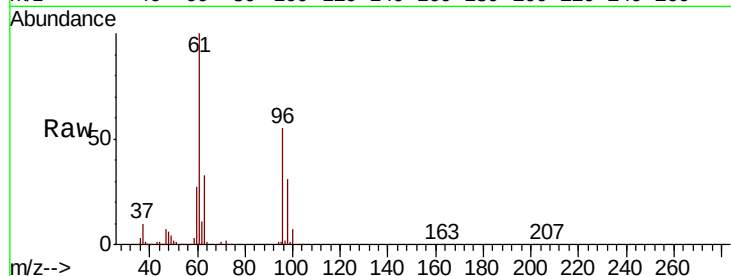
cis-1,2-Dichloroethene
Concen: 48.51 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	182.5	0.0	320.8
98	57.3	0.0	117.6

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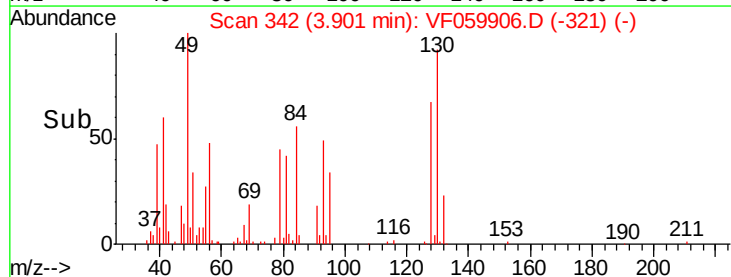
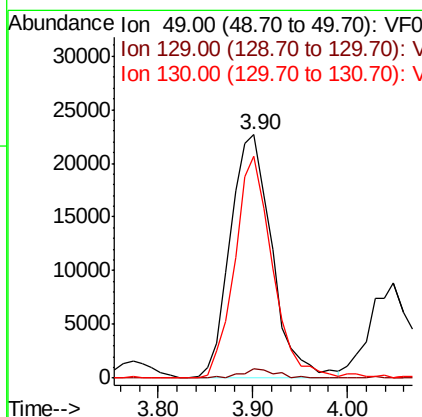
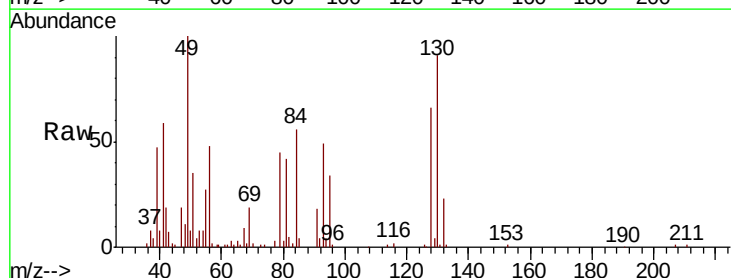
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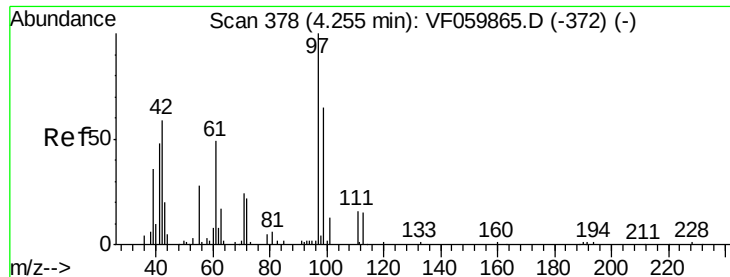


#28

Bromochloromethane
Concen: 58.19 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	4.6
130	91.1	73.8	110.8





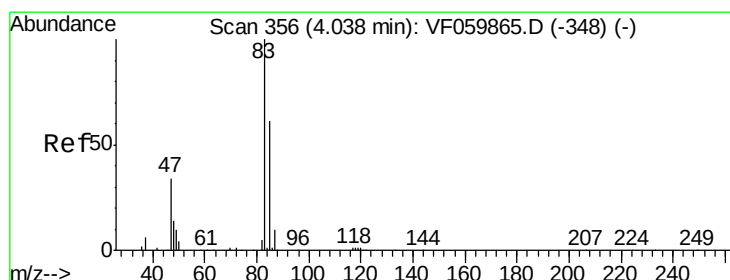
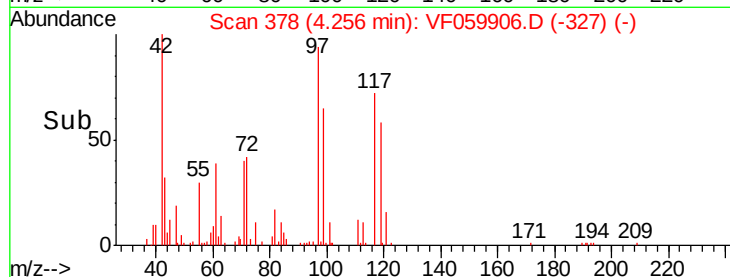
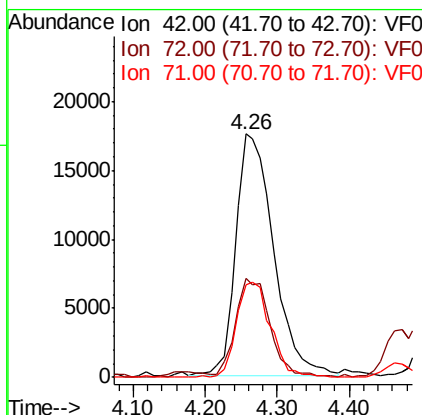
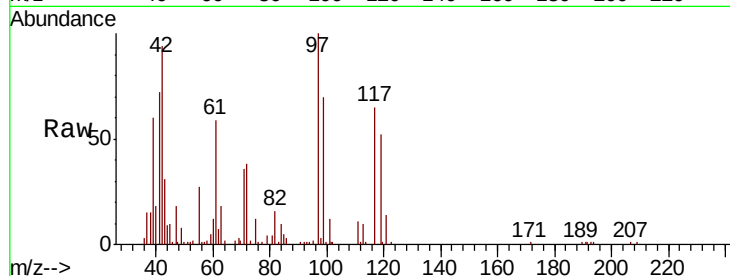
#29
Tetrahydrofuran
Concen: 296.17 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	29.3	43.9
71	35.8	30.0	45.0

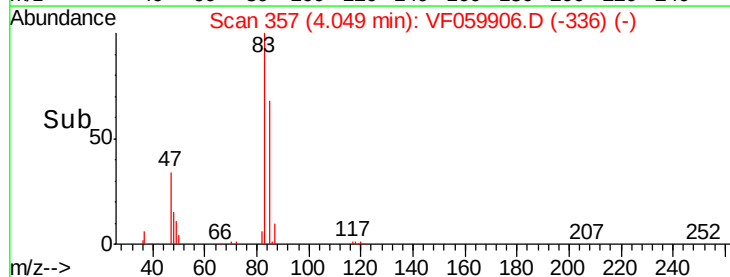
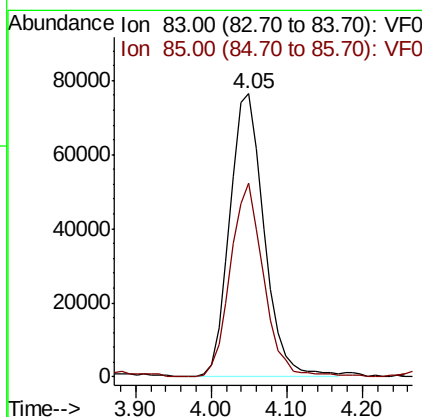
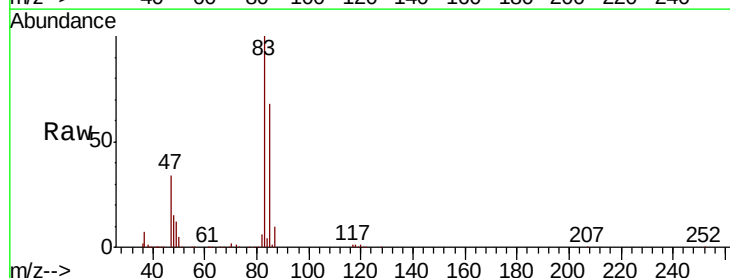
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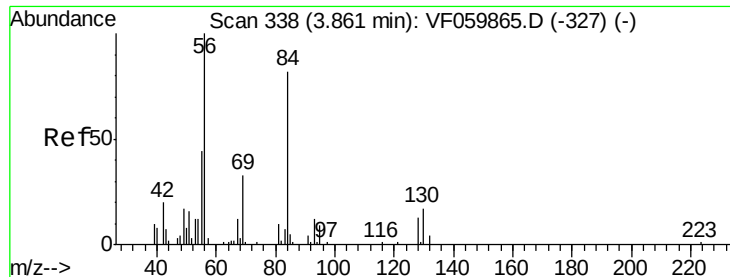
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#30
Chloroform
Concen: 52.75 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	49.3	73.9





#31

Cyclohexane

Concen: 50.12 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

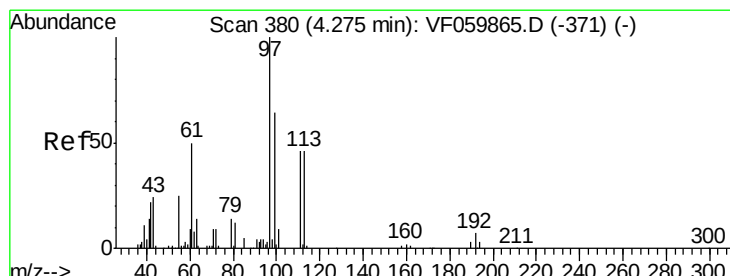
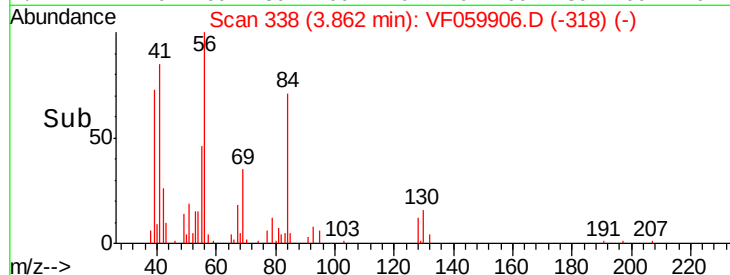
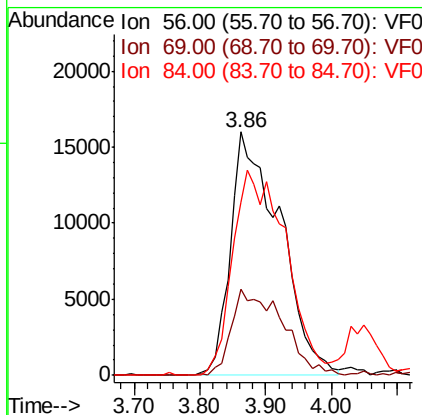
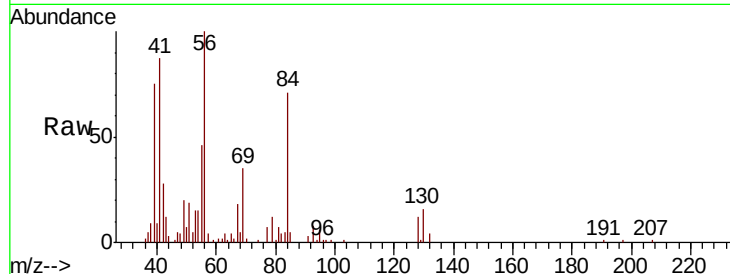
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	83900
Ion Ratio	Lower	Upper	
56	100		
69	35.3	26.7	40.1
84	71.2	65.9	98.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.05 ug/l

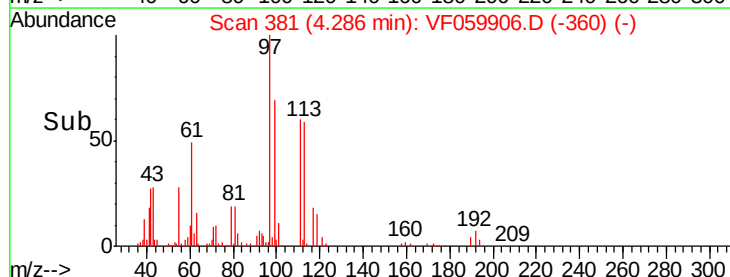
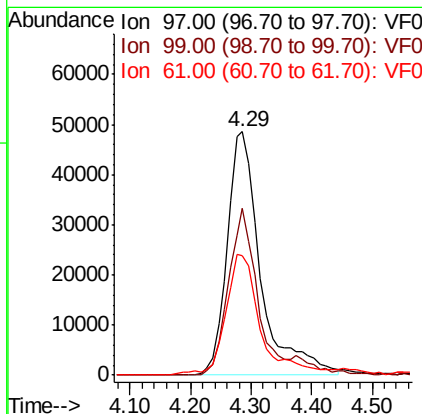
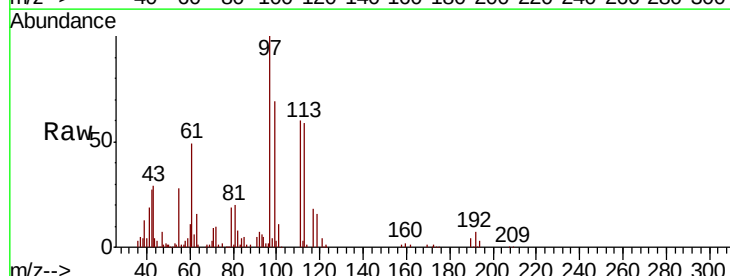
RT: 4.29 min Scan# 381

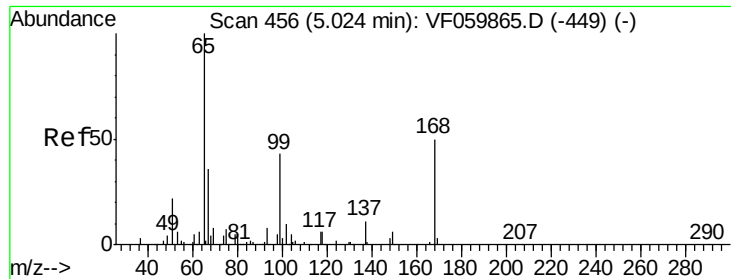
Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion:	97	Resp:	186872
Ion Ratio	Lower	Upper	
97	100		
99	68.5	51.4	77.2
61	49.3	40.8	61.2





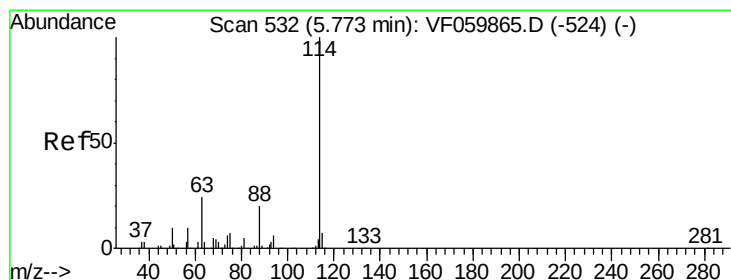
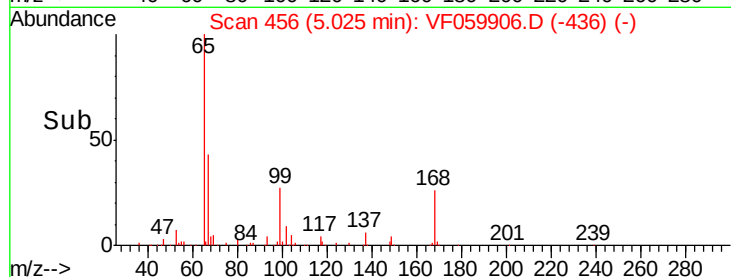
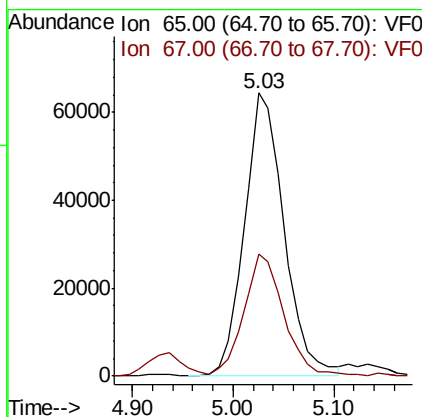
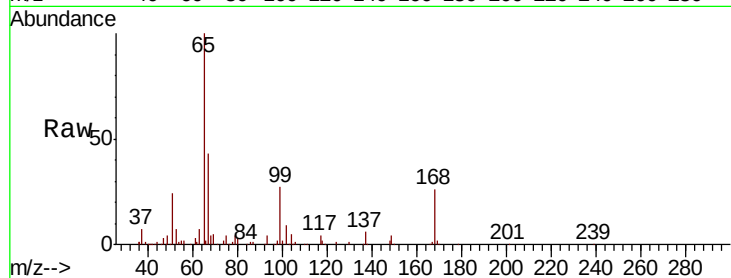
#33
 1,2-Dichloroethane-d4
 Concen: 60.13 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.4	0.0	77.2

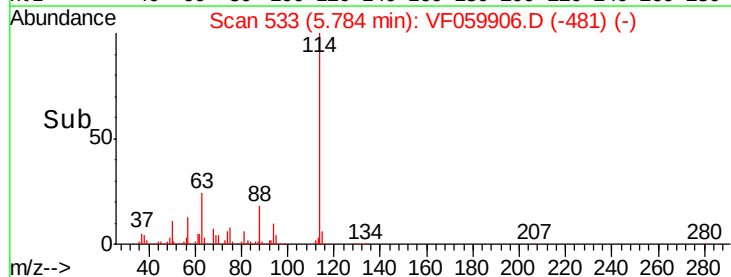
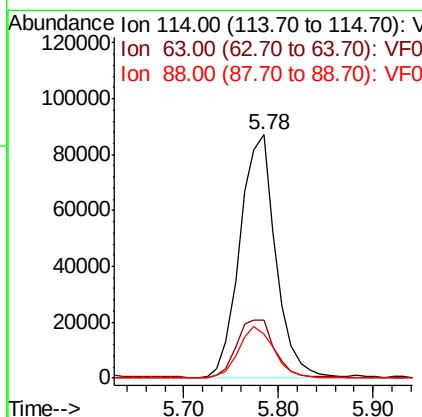
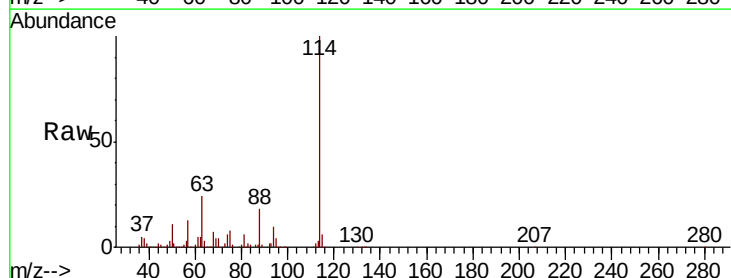
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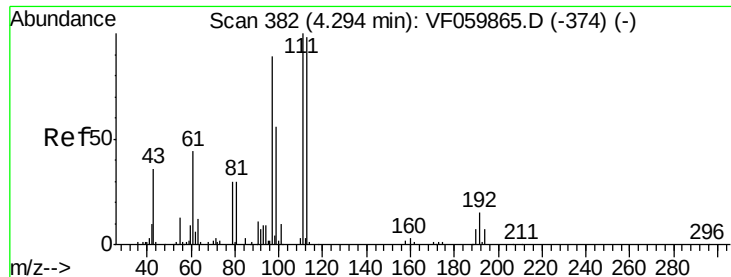
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	48.0
88	18.3	0.0	39.4





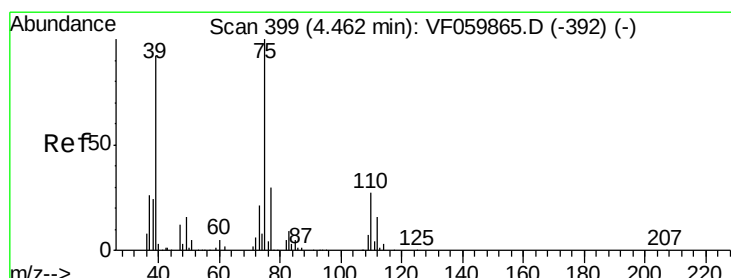
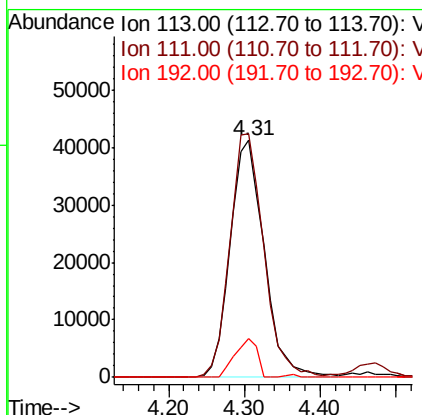
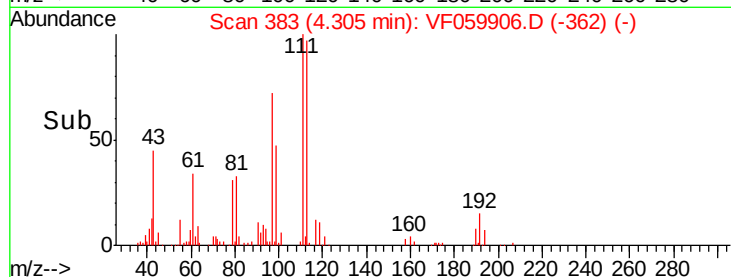
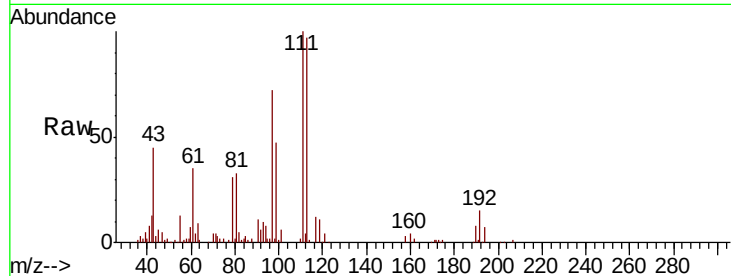
#35
 Dibromofluoromethane
 Concen: 56.57 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129008		
111	102.7	81.8	122.8	
192	16.1	12.4	18.6	

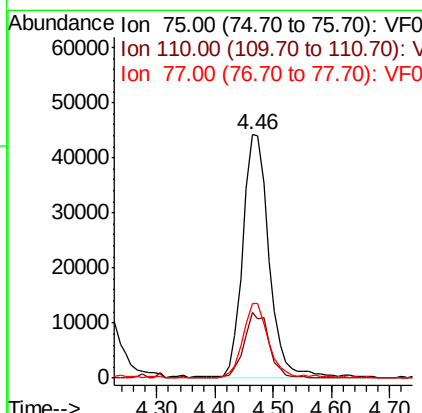
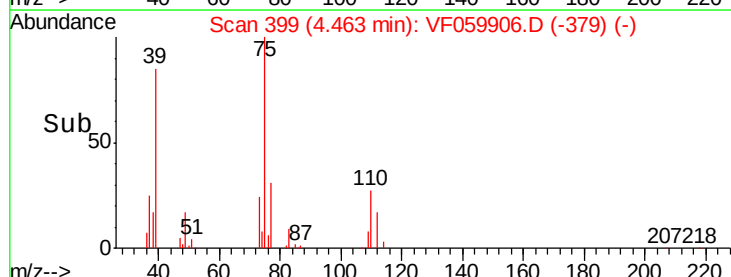
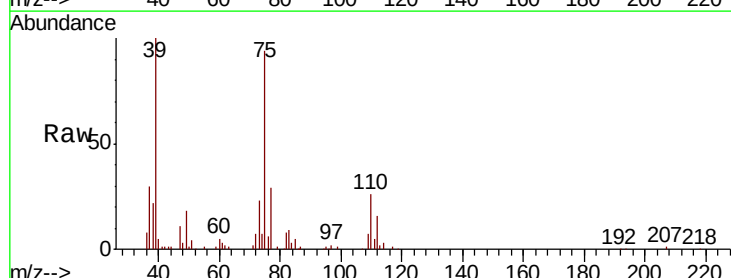
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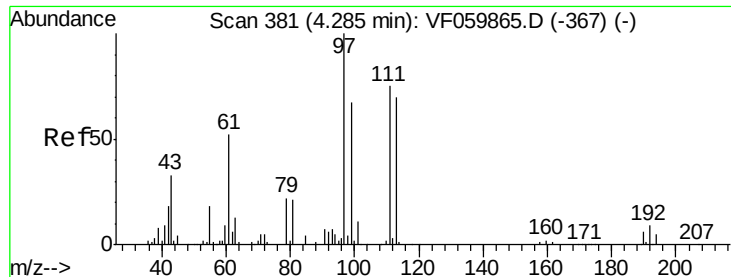
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#36
 1,1-Dichloropropene
 Concen: 52.21 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138399		
110	27.2	13.6	40.7	
77	30.5	23.7	35.5	





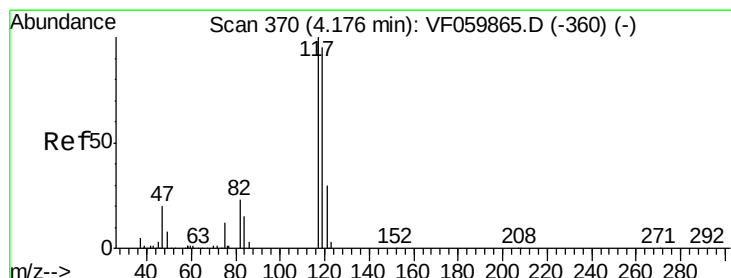
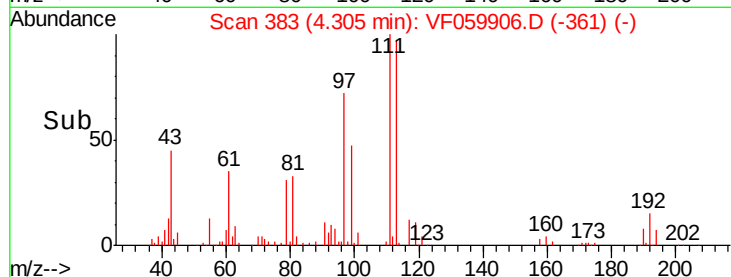
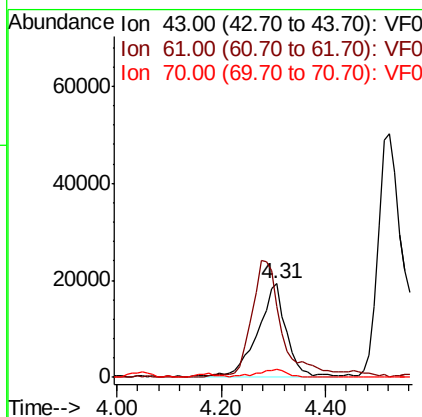
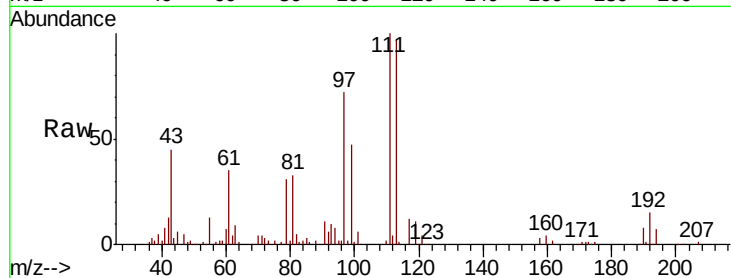
#37
Ethyl Acetate
Concen: 65.03 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	74026		
Ratio	100	76.2	9.0
Lower		123.7	7.8
Upper		185.5#	11.8

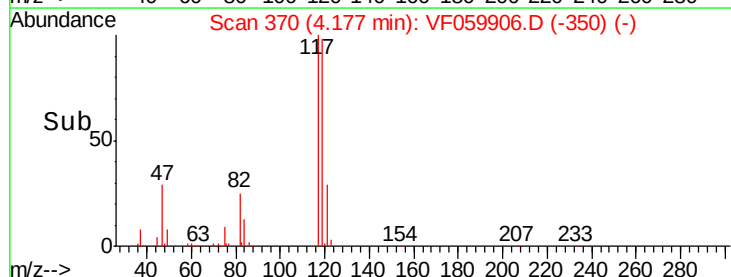
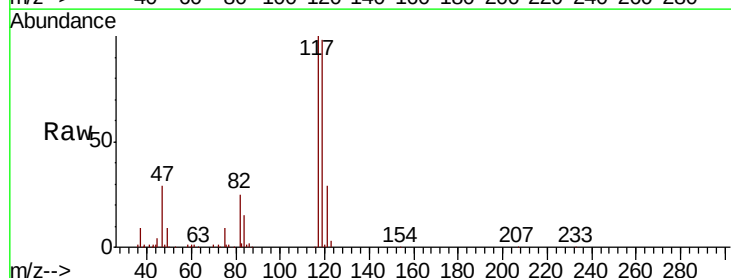
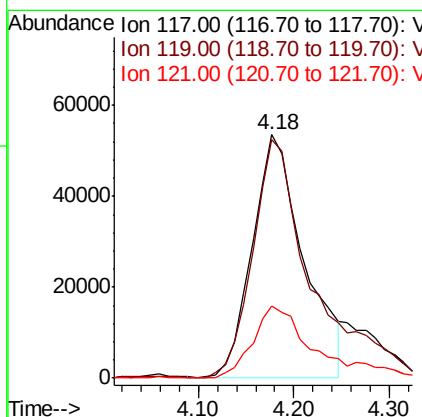
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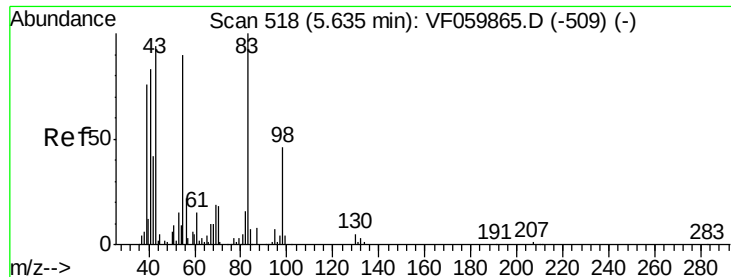
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#38
Carbon Tetrachloride
Concen: 53.20 ug/l m
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	117	119	121
Resp	201893		
Ratio	100	98.1	29.4
Lower		76.5	23.8
Upper		114.7	35.8





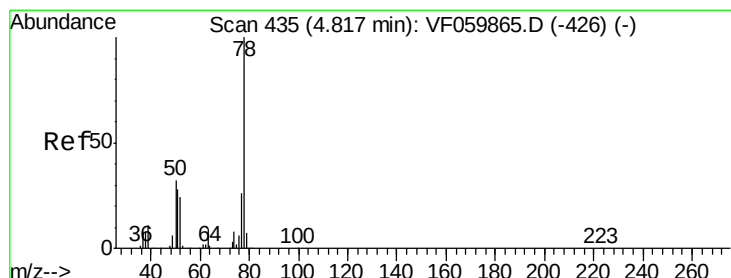
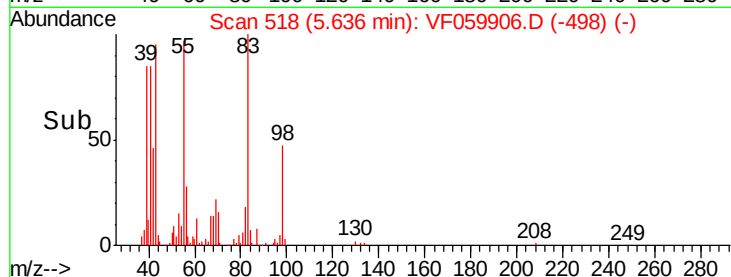
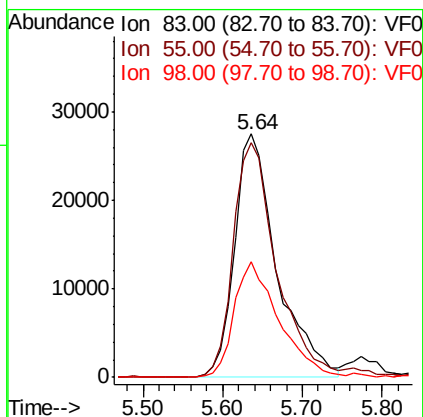
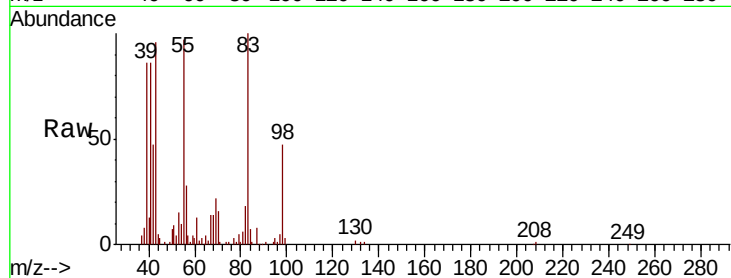
#39
Methylvlcyclohexane
Concen: 51.02 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.5	72.0	108.0
98	47.5	36.6	54.8

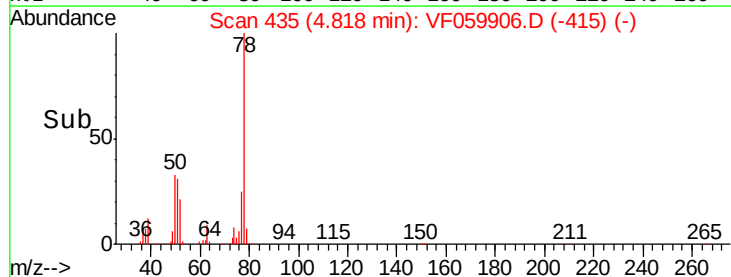
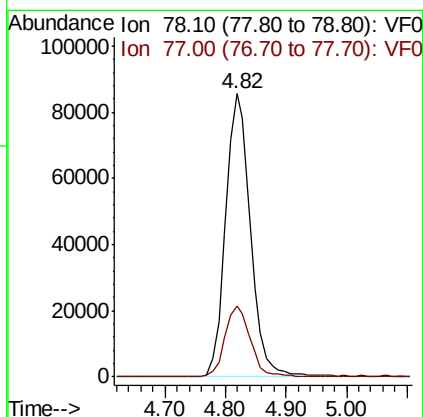
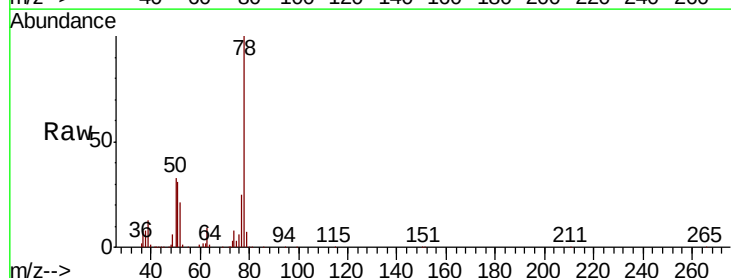
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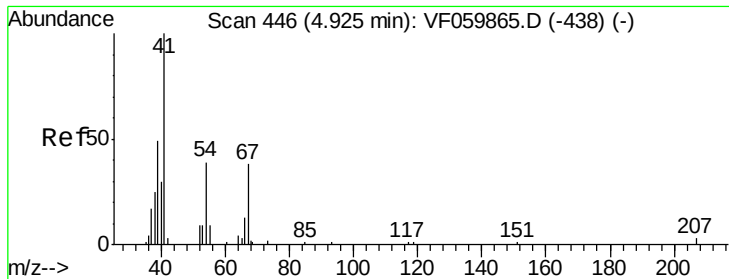
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#40
Benzene
Concen: 54.01 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.7	31.1





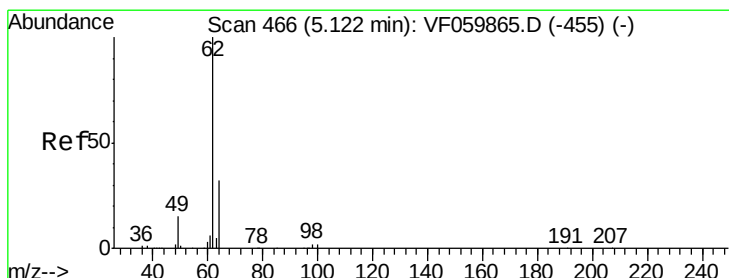
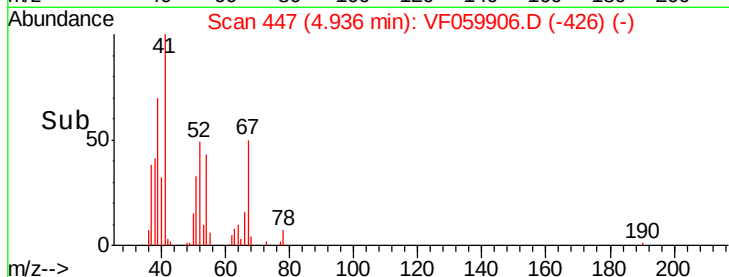
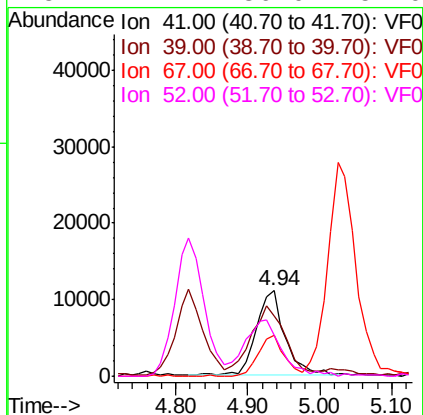
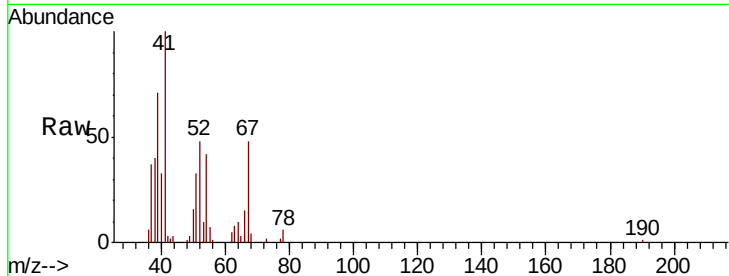
#41
Methacrylonitrile
Concen: 49.88 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29962		
39	71.0	55.1	82.7		
67	48.2	30.3	45.5		
52	47.7	36.0	54.0		

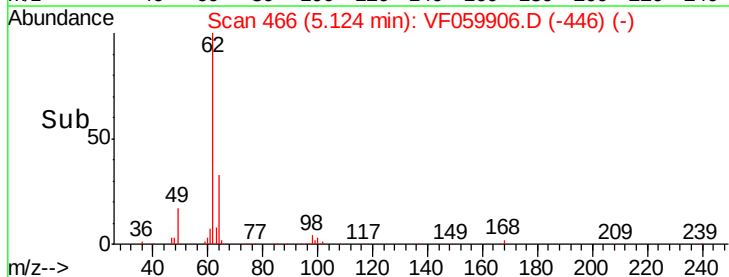
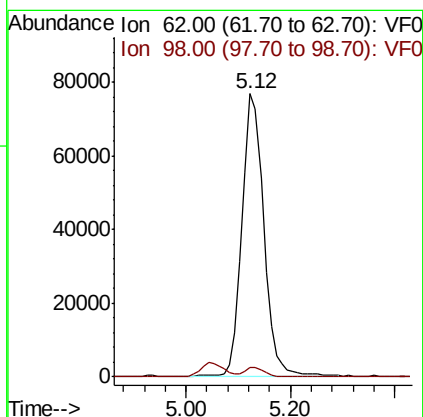
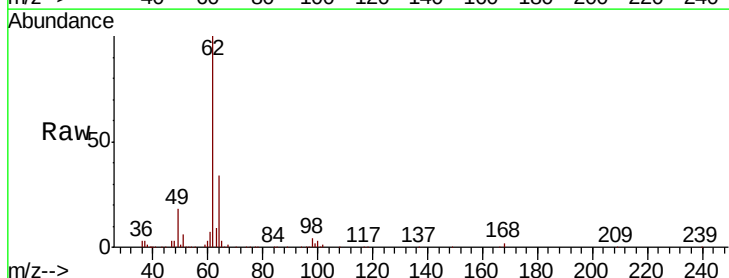
Manual Integrations
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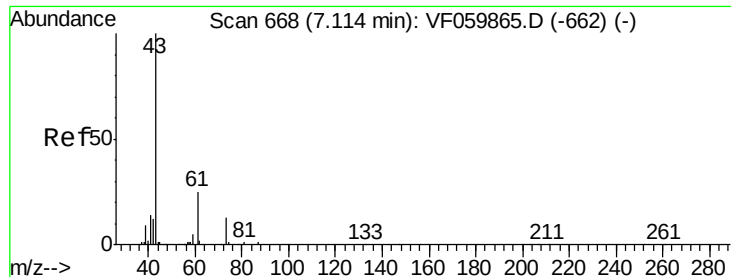
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#42
1,2-Dichloroethane
Concen: 59.55 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		218592		
98	3.6	0.0	7.6		





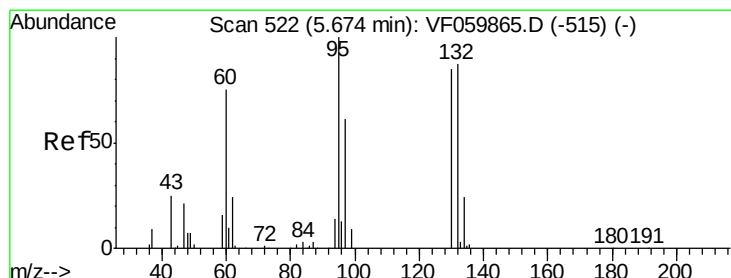
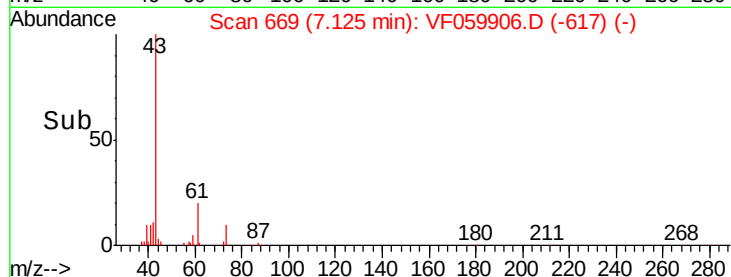
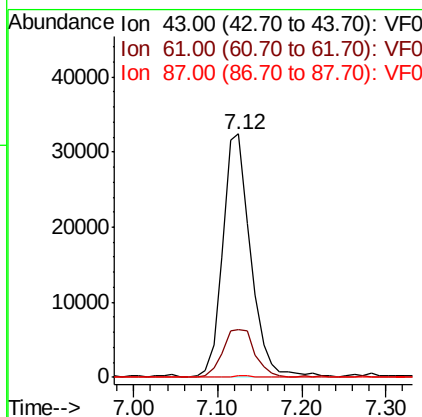
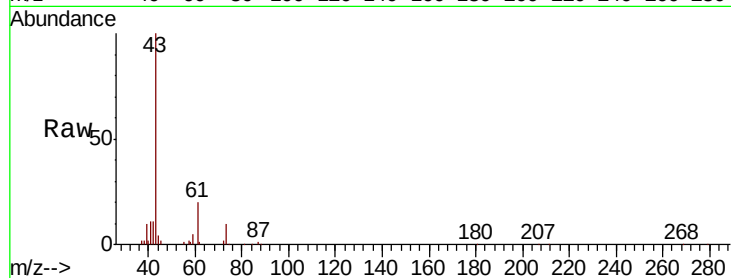
#43
Isopropyl Acetate
Concen: 63.62 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	20.3	30.5#
87	0.6	0.7	1.1#

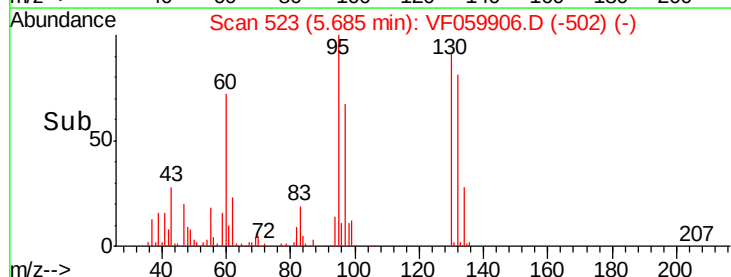
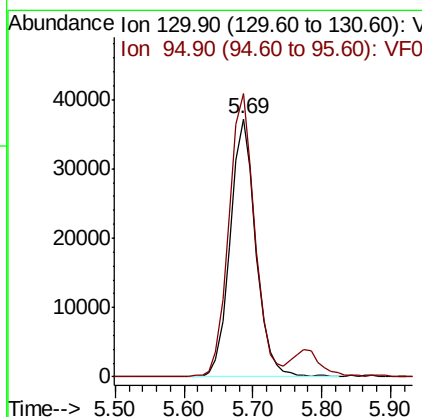
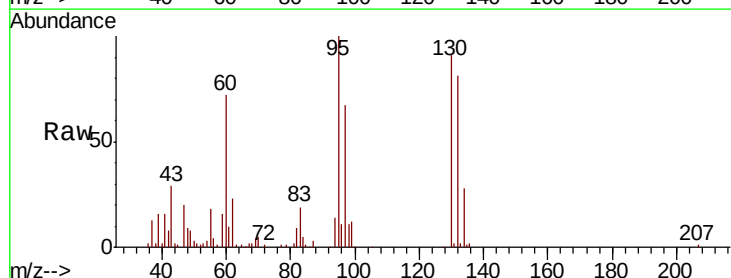
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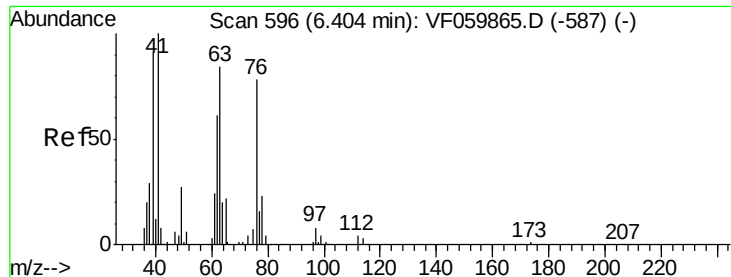
apatel
8/8/2018 11:38:13 AM



#44
Trichloroethene
Concen: 54.15 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	236.8





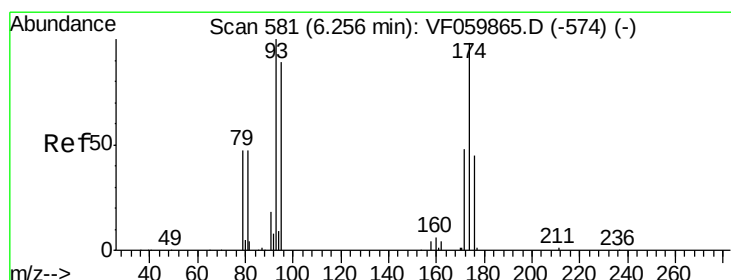
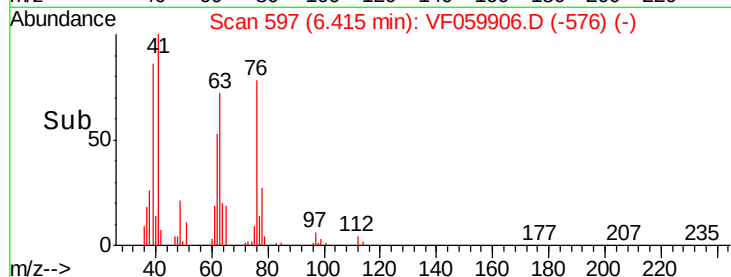
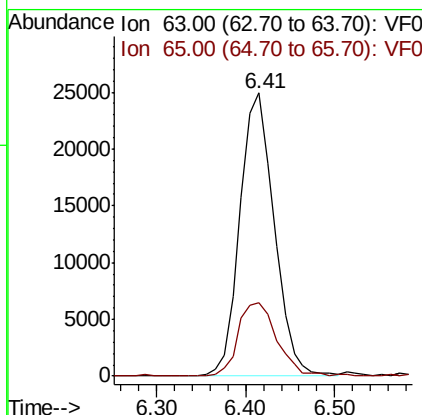
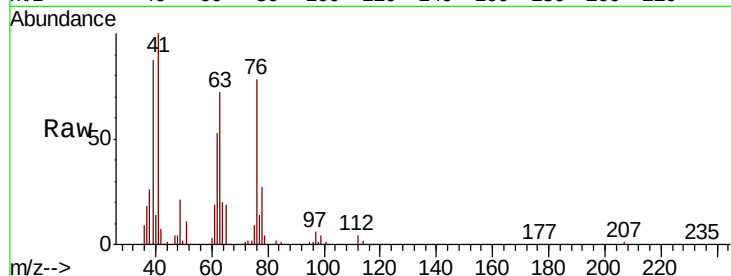
#45
 1,2-Dichloropropane
 Concen: 54.89 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 66772
 Ion Ratio Lower Upper
 63 100
 65 26.0 20.4 30.6

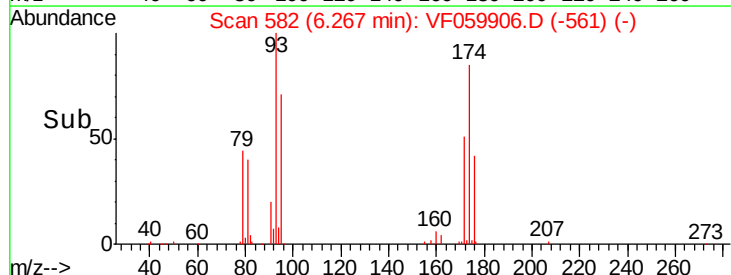
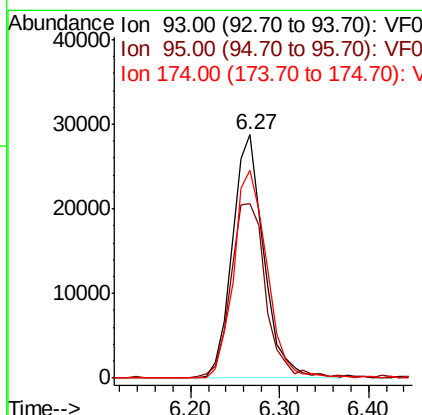
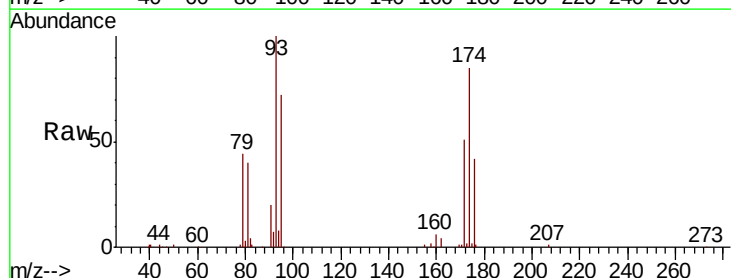
Manual Integrations
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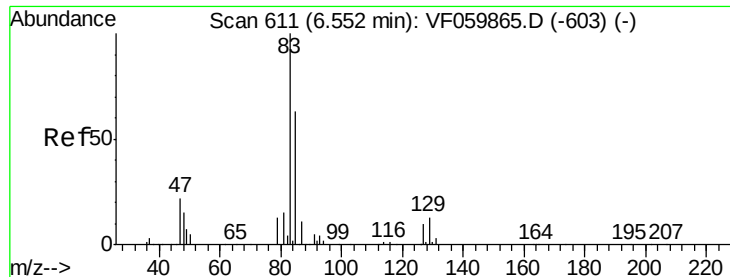
apatel
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#46
 Dibromomethane
 Concen: 57.80 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion: 93 Resp: 70949
 Ion Ratio Lower Upper
 93 100
 95 71.9 71.4 107.2
 174 87.7 78.1 117.1





#47

Bromodichloromethane

Concen: 58.66 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

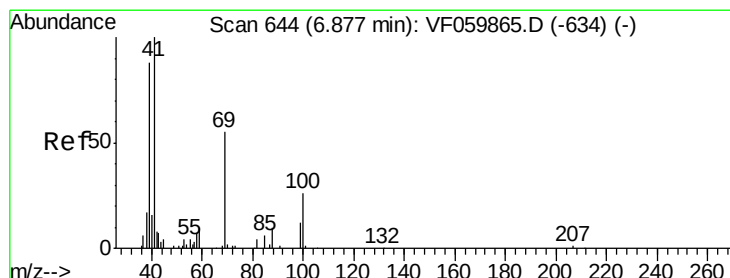
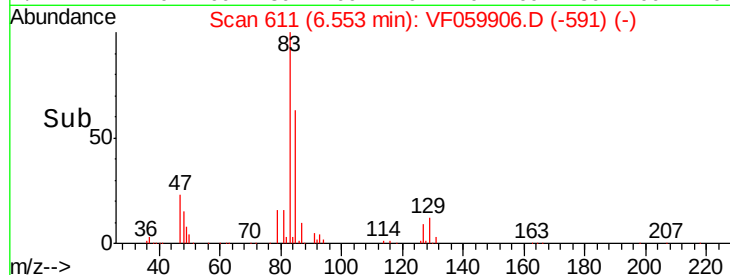
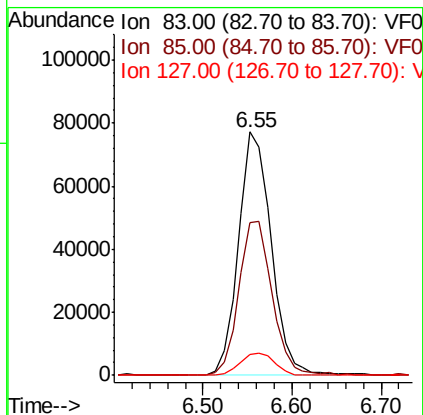
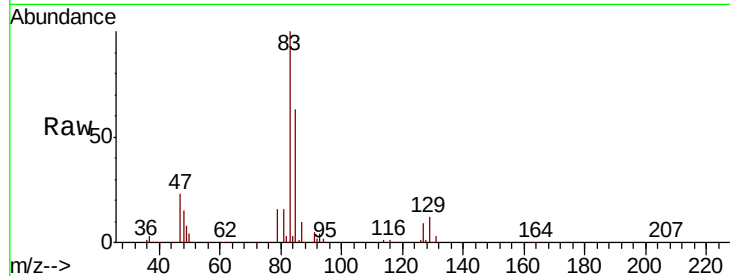
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	196940
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.7	76.1
127	9.6	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 75.17 ug/l

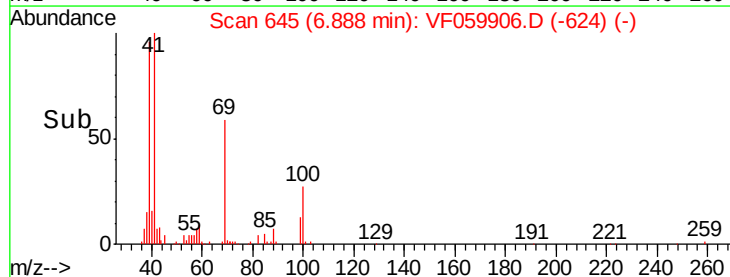
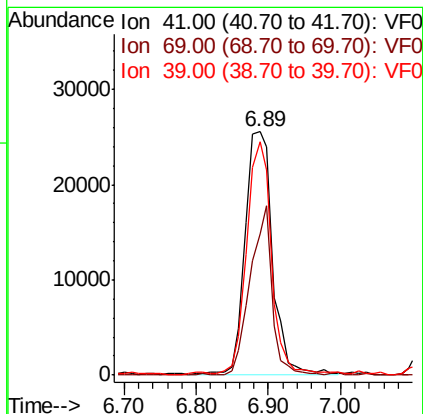
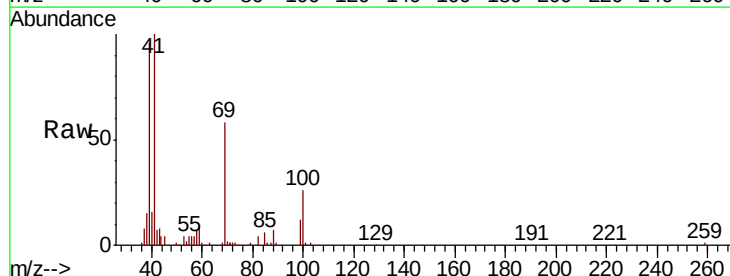
RT: 6.89 min Scan# 645

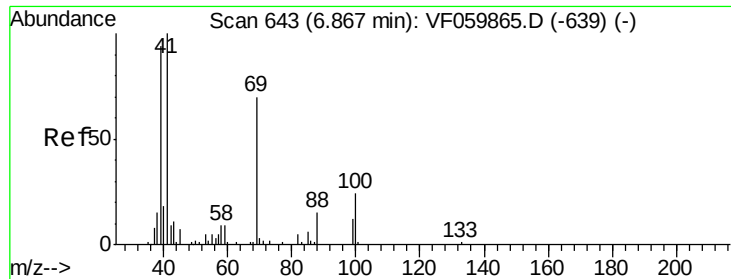
Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion:	41	Resp:	68542
Ion	Ratio	Lower	Upper
41	100		
69	57.9	44.4	66.6
39	96.1	70.6	106.0





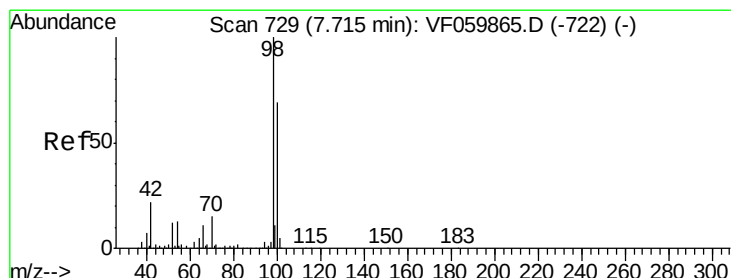
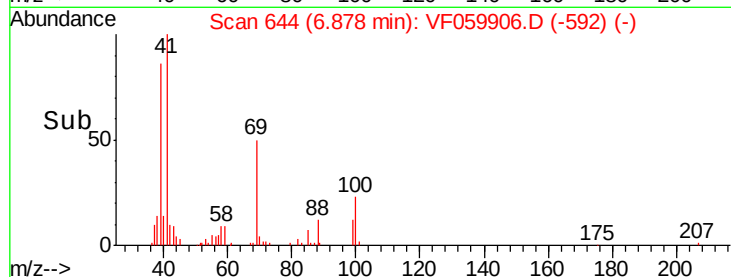
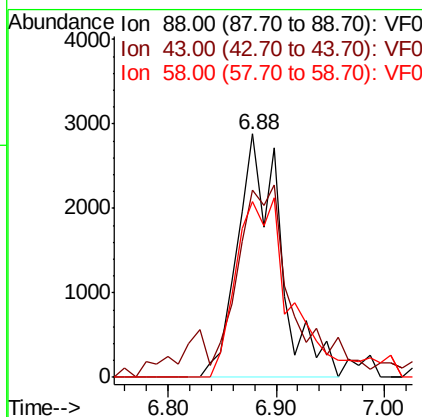
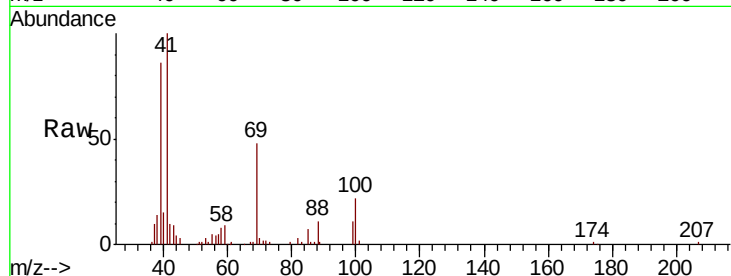
#49
1,4-Dioxane
Concen: 1203.41 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	77.2		58.3	87.5
58	72.1		49.4	74.2

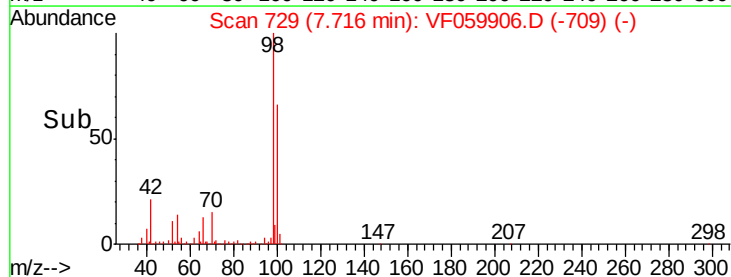
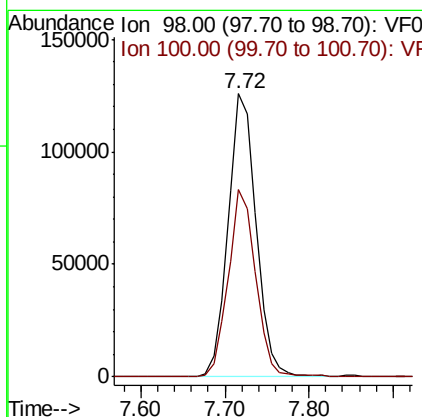
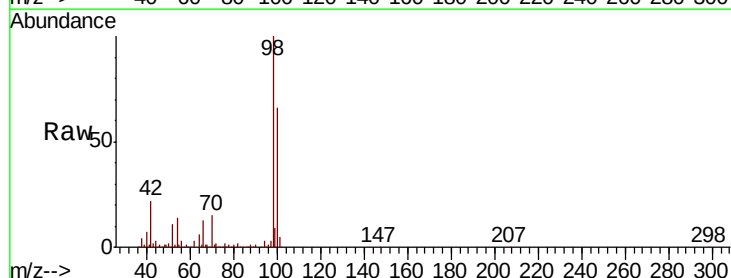
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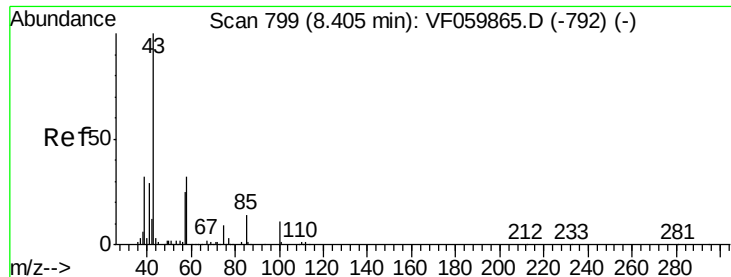
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#50
Toluene-d8
Concen: 60.14 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.3		55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 315.85 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 378514

Ion Ratio Lower Upper

43 100

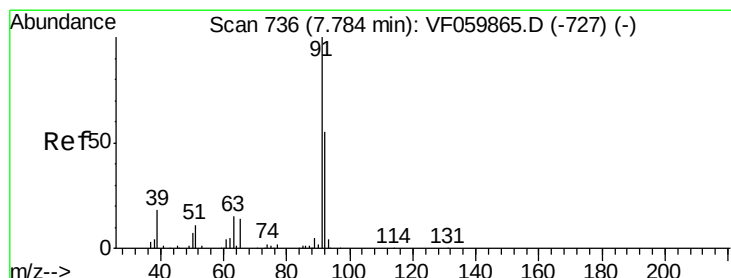
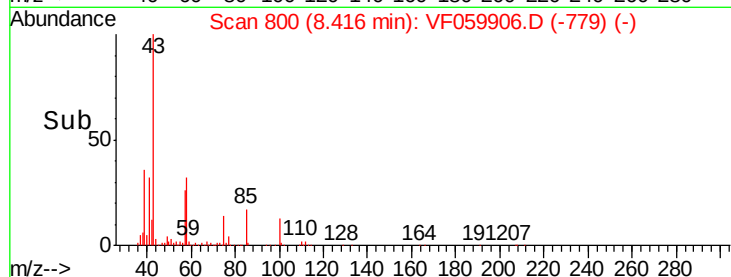
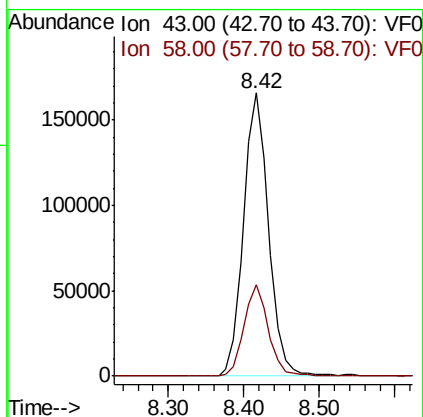
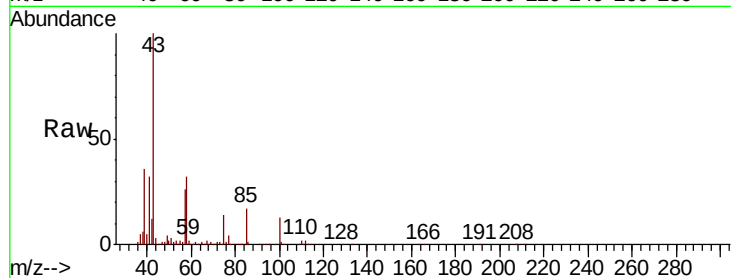
58 32.1 25.4 38.0

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#52

Toluene

Concen: 53.76 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059906.D

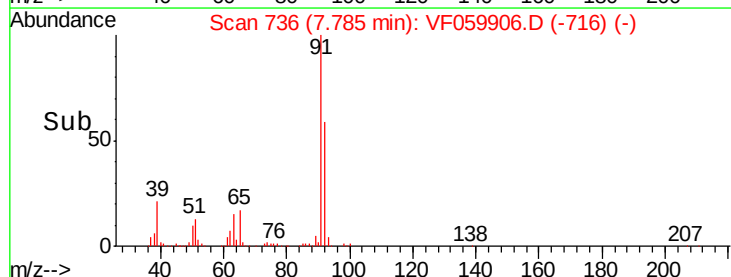
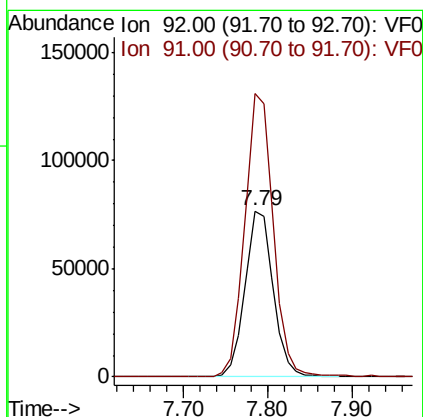
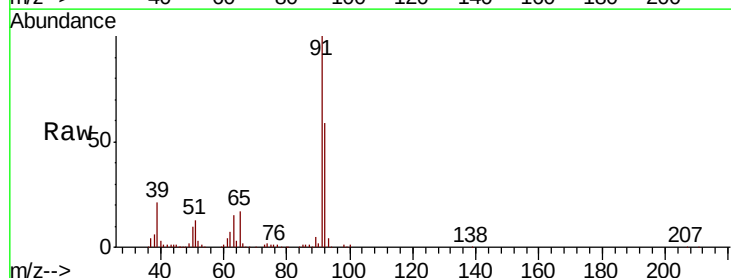
Acq: 7 Aug 2018 6:41

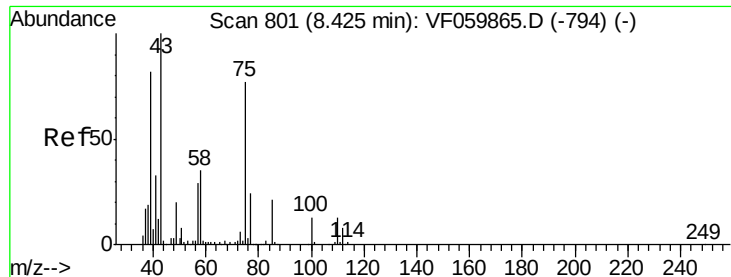
Tgt Ion: 92 Resp: 179995

Ion Ratio Lower Upper

92 100

91 170.6 145.7 218.5





#53

t-1,3-Dichloropropene

Concen: 60.99 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 155761

Ion Ratio Lower Upper

75 100

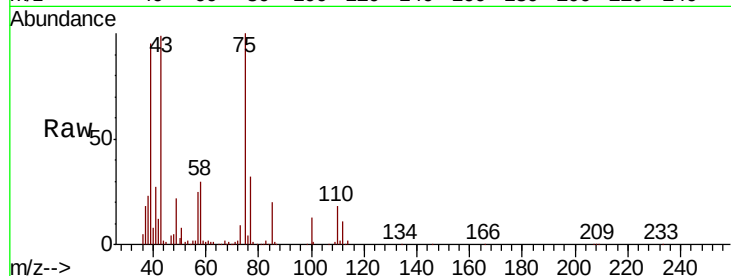
77 31.6 24.5 36.7

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.44

80000

60000

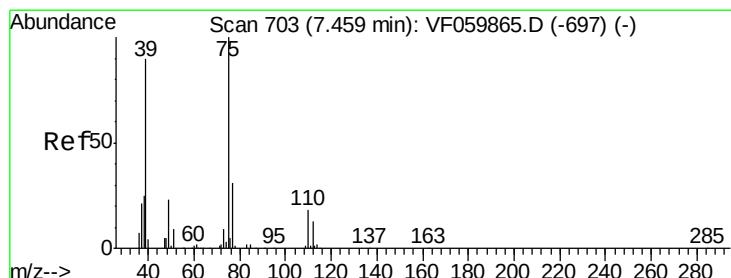
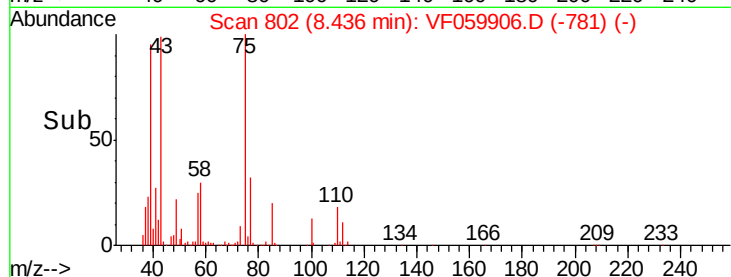
40000

20000

0

8.30 8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 58.44 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

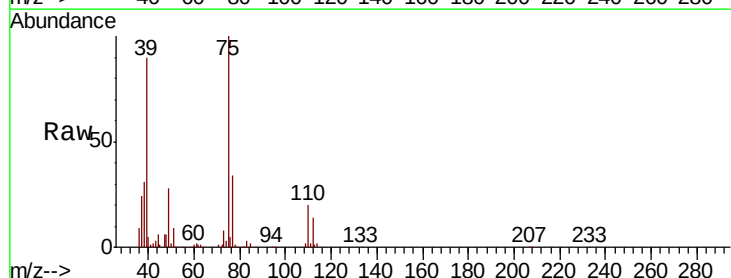
Tgt Ion: 75 Resp: 154035

Ion Ratio Lower Upper

75 100

77 33.7 24.7 37.1

39 90.4 72.0 108.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.47

80000

60000

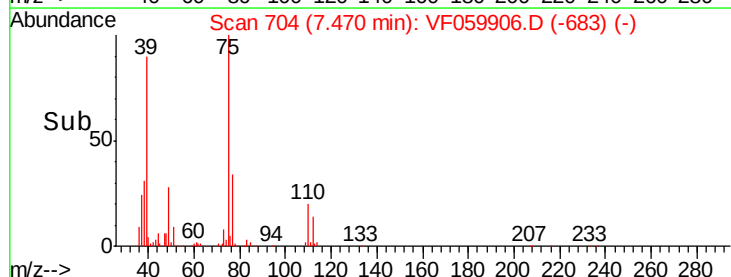
40000

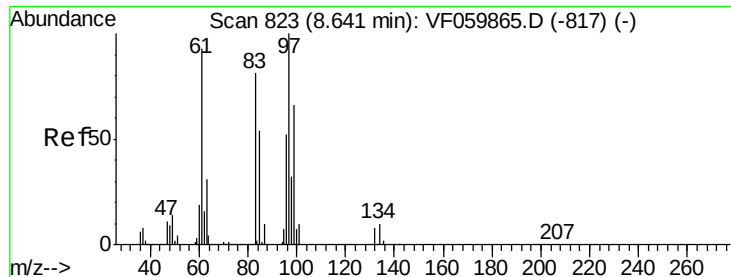
20000

0

7.40 7.50 7.60

Time-->





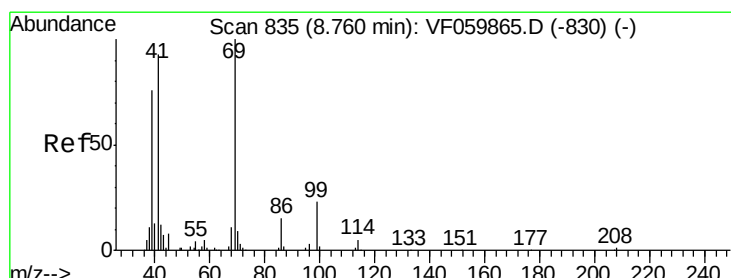
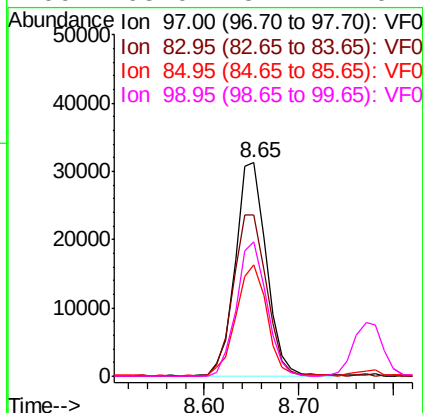
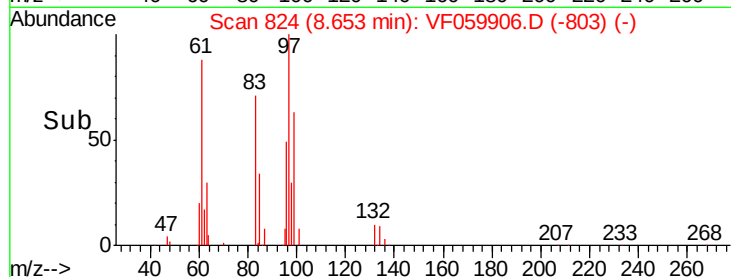
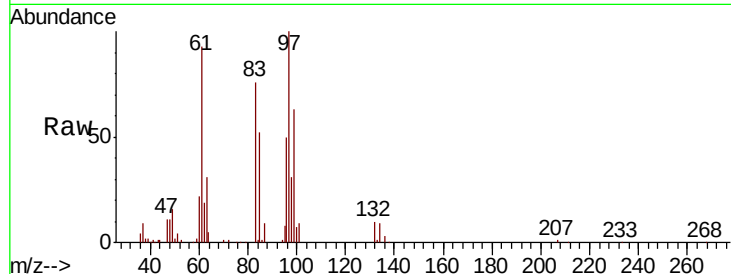
#55
 1,1,2-Trichloroethane
 Concen: 59.48 ug/l
 RT: 8.65 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	71697		
83	75.7	64.4	96.6	
85	52.2	43.1	64.7	
99	63.0	52.7	79.1	

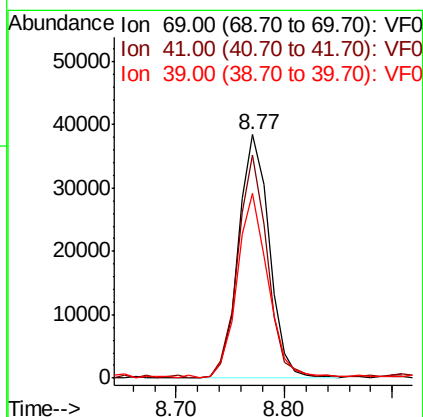
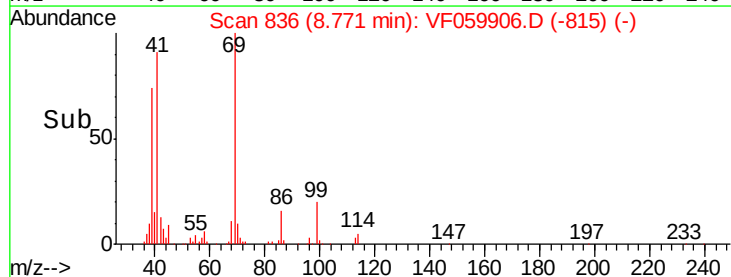
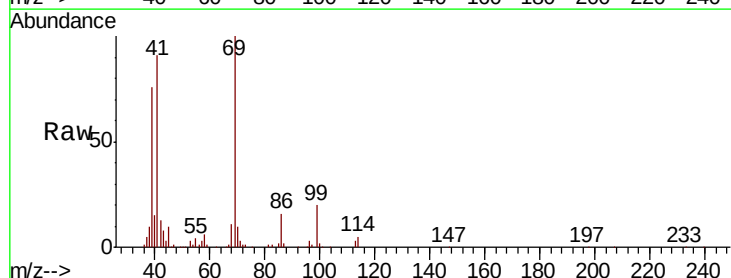
Manual Integrations
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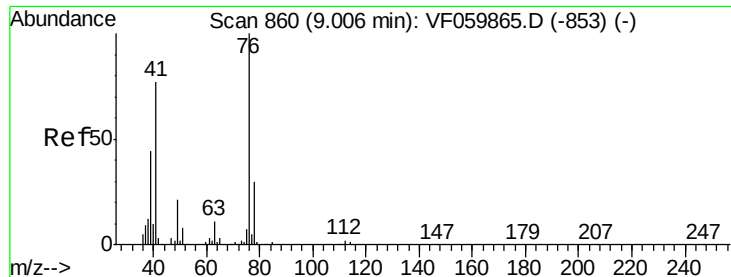
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#56
 Ethyl methacrylate
 Concen: 57.33 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	76468		
41	91.4	74.7	112.1	
39	76.1	61.1	91.7	





#57

1,3-Dichloropropane

Concen: 60.72 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 125670

Ion Ratio Lower Upper

76 100

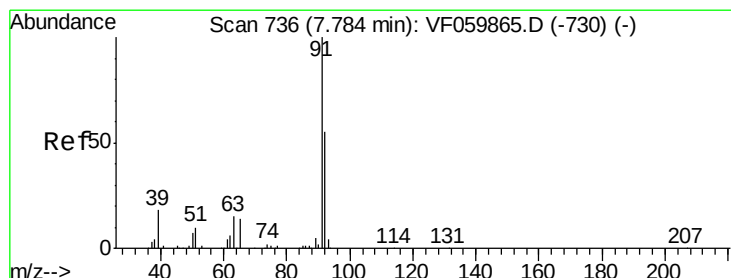
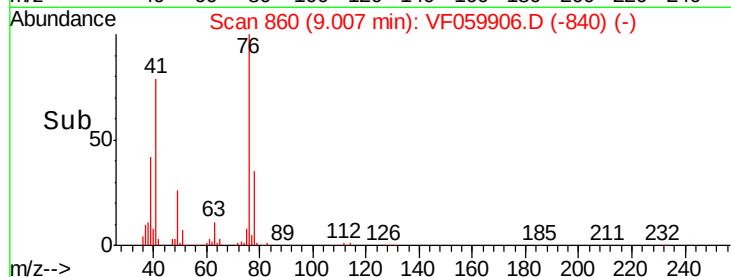
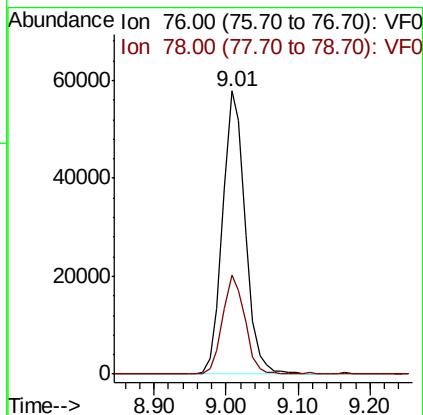
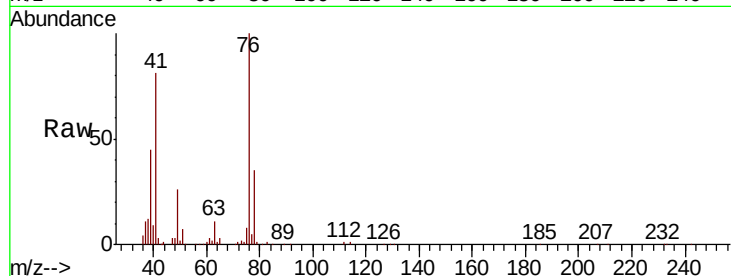
78 34.9 24.2 36.2

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#58

2-Chloroethyl Vinyl ether

Concen: 284.14 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059906.D

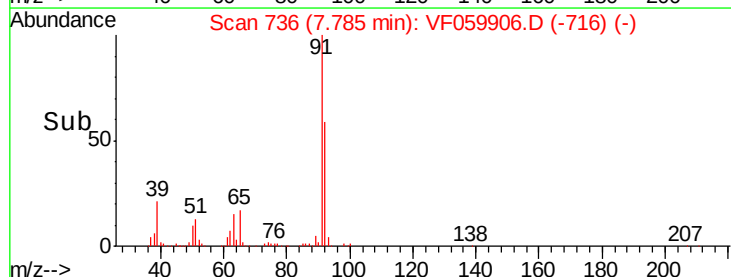
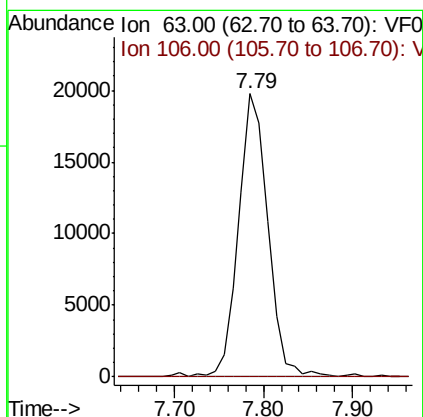
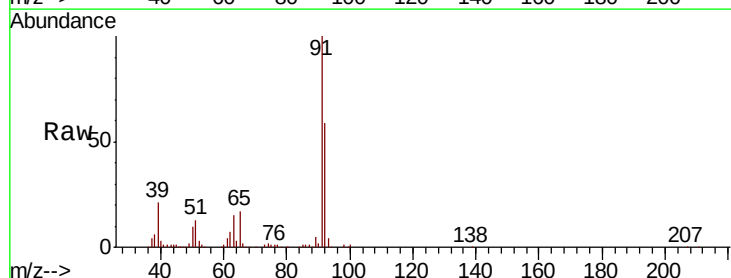
Acq: 7 Aug 2018 6:41

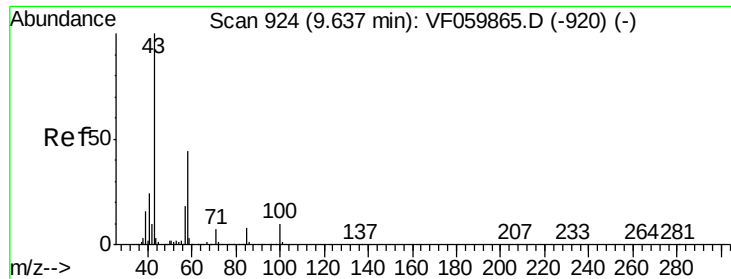
Tgt Ion: 63 Resp: 45309

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





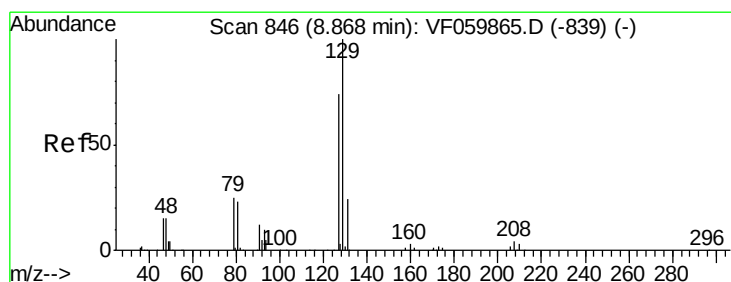
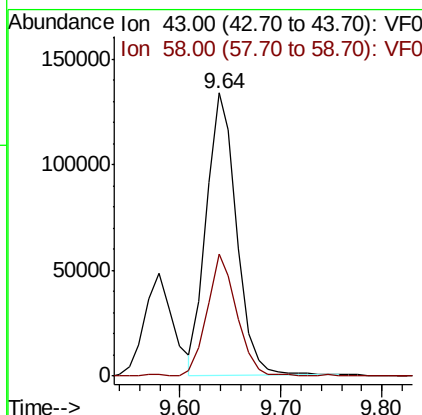
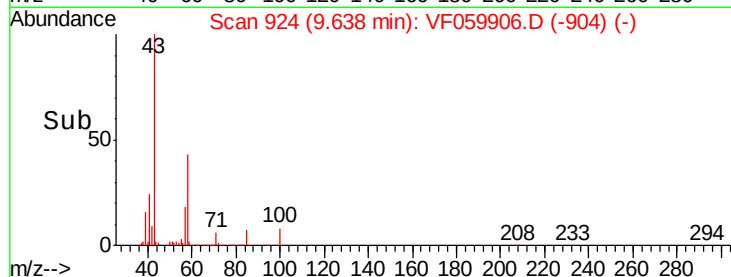
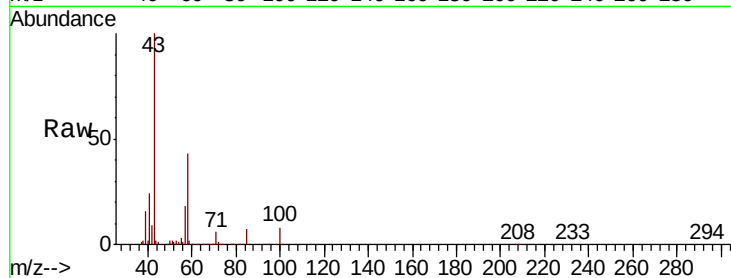
#59
2-Hexanone
Concen: 330.01 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.2	20.8	62.2

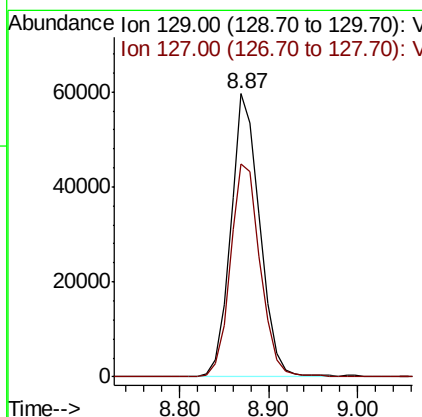
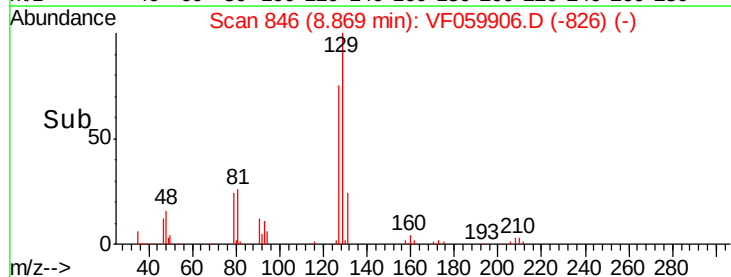
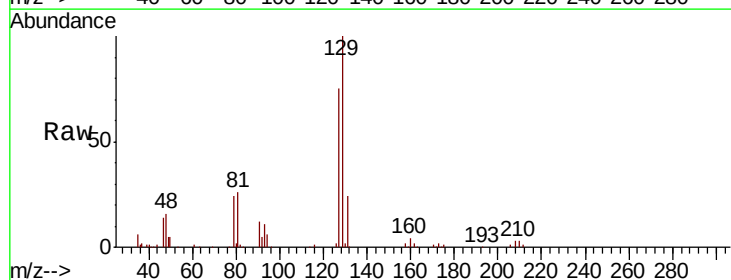
Manual Integrations
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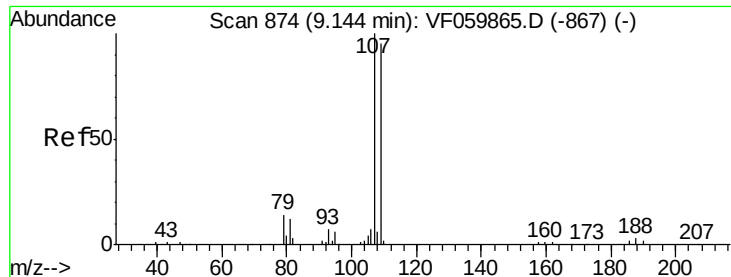
apatel
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#60
Dibromochloromethane
Concen: 59.89 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.1	36.9	110.7





#61

1,2-Dibromoethane

Concen: 59.26 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 87025

Ion Ratio Lower Upper

107 100

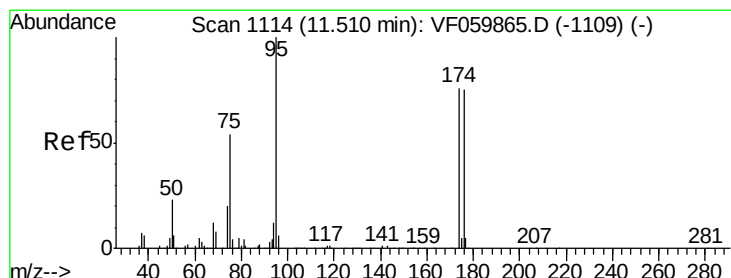
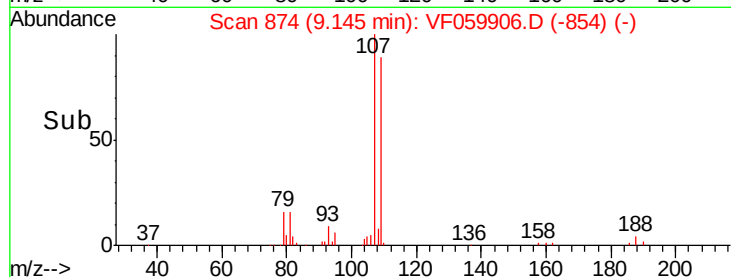
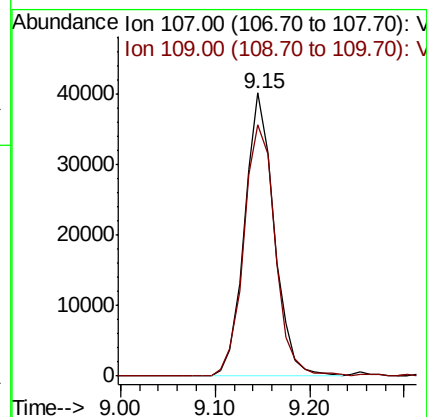
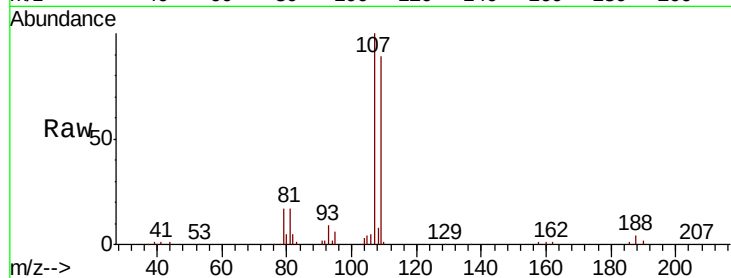
109 88.9 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 62.39 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

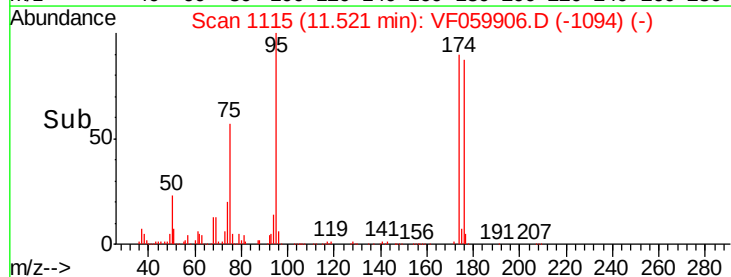
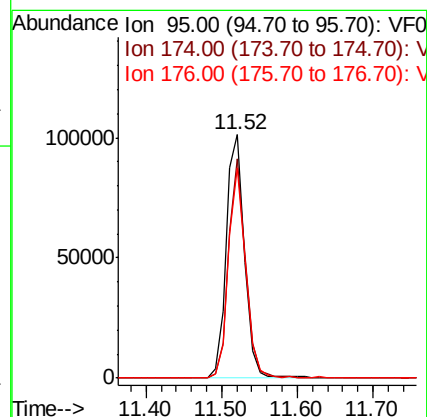
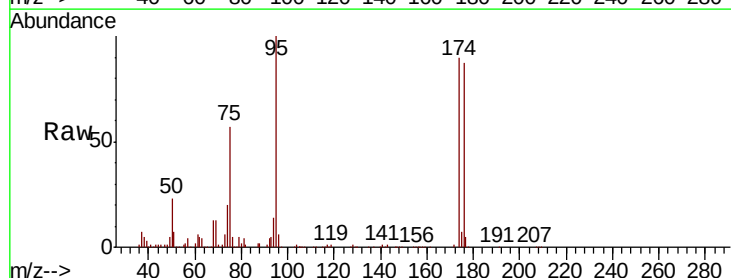
Tgt Ion: 95 Resp: 170093

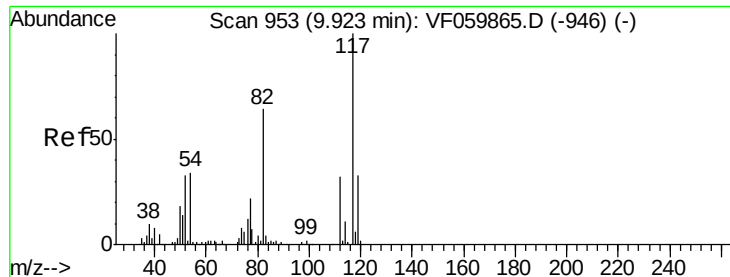
Ion Ratio Lower Upper

95 100

174 90.1 0.0 151.6

176 86.6 0.0 149.8





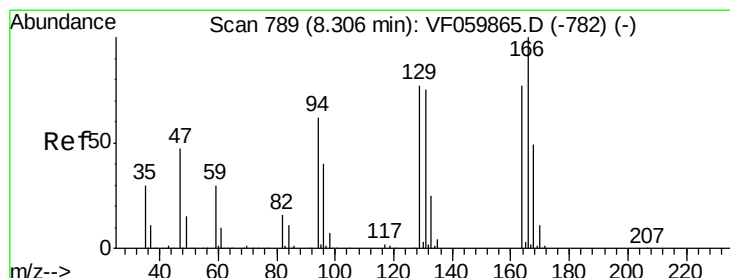
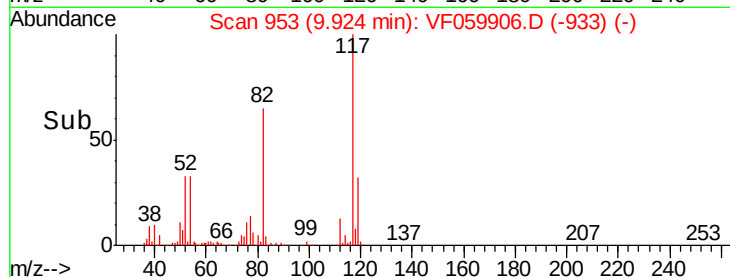
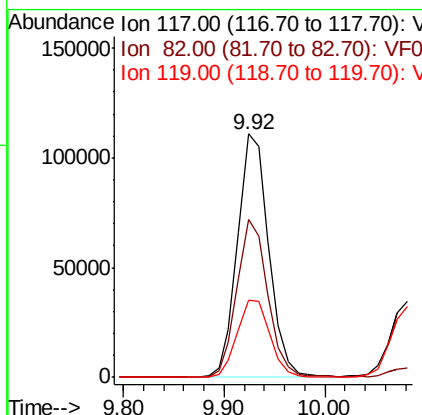
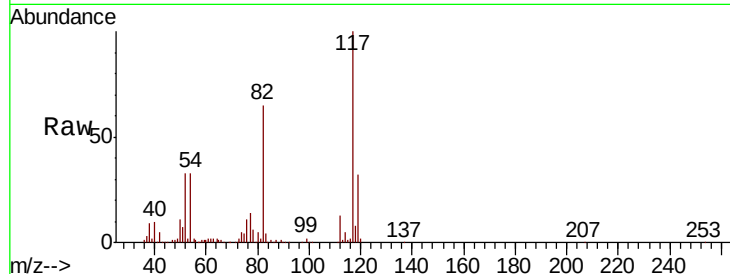
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.7	51.3	76.9
119	31.8	26.4	39.6

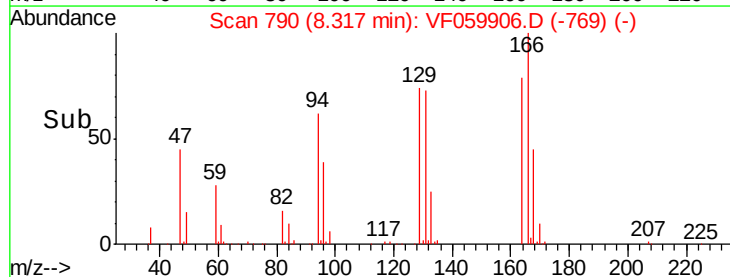
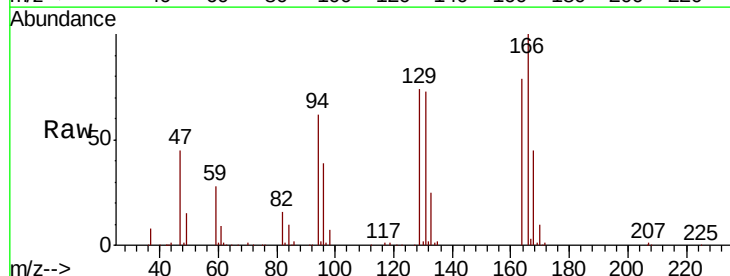
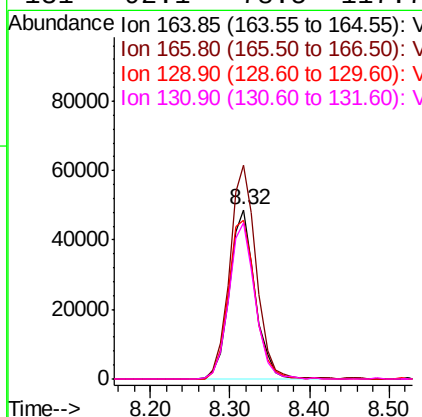
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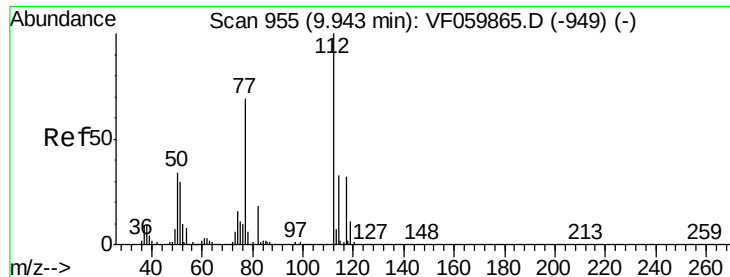
apatel
8/8/2018 11:38:13 AM



#64
Tetrachloroethene
Concen: 52.38 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	104.4	156.6
129	93.6	80.3	120.5
131	92.1	78.5	117.7





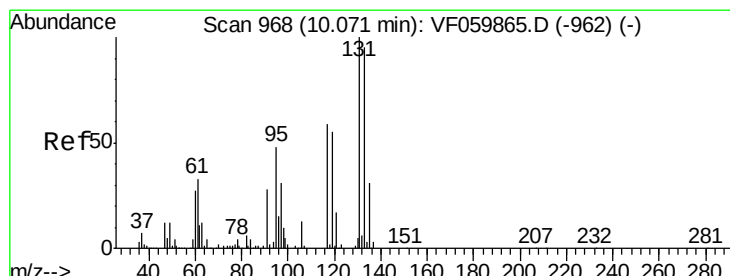
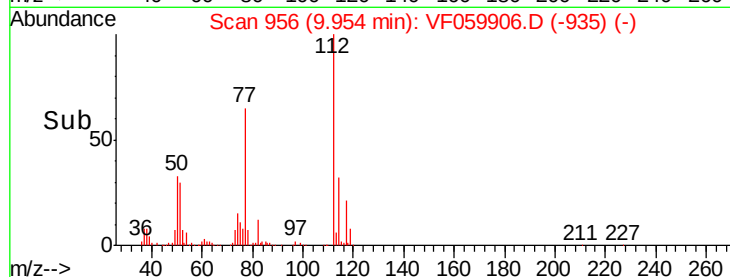
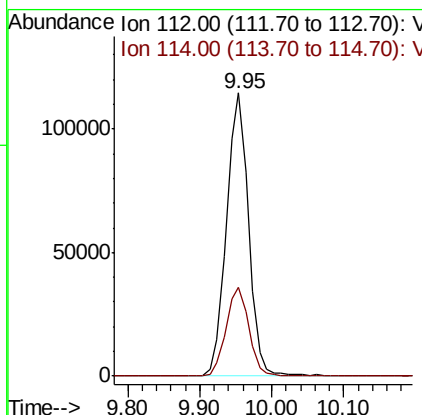
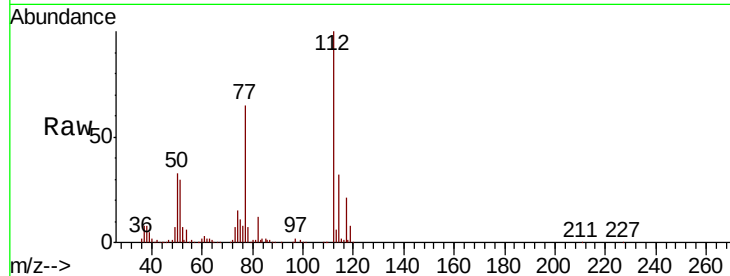
#65
Chlorobenzene
Concen: 50.07 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.4	39.6

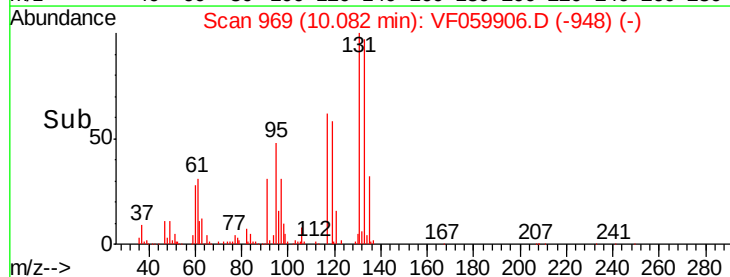
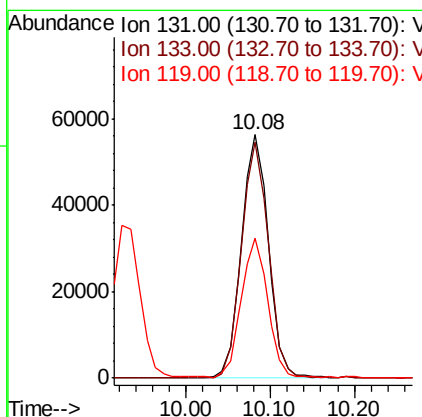
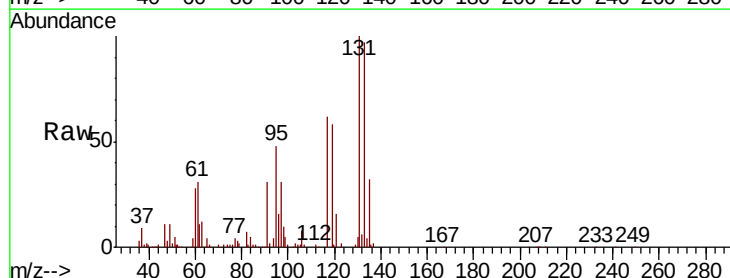
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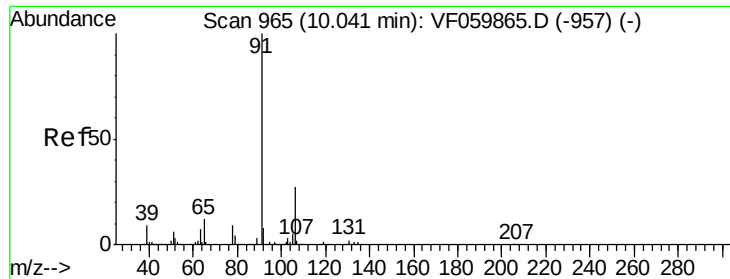
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.05 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.4	142.2
119	57.7	27.7	83.1





#67

Ethyl Benzene

Concen: 54.70 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 465163

Ion Ratio Lower Upper

91 100

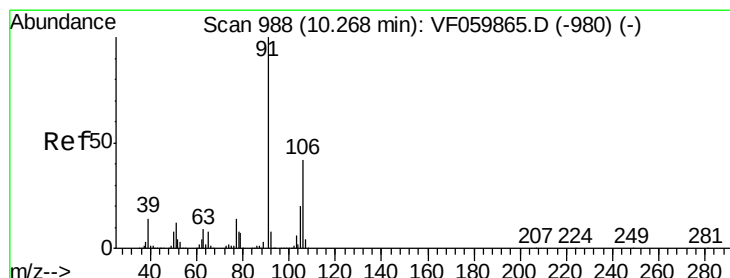
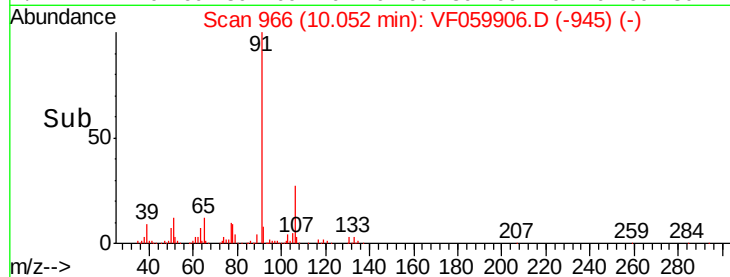
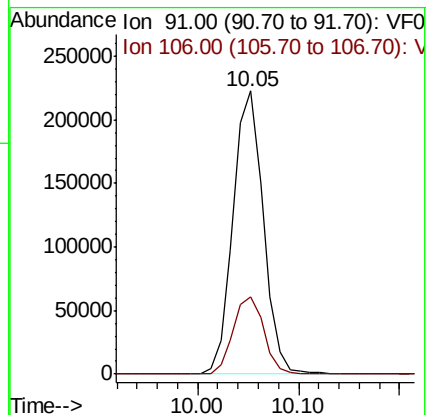
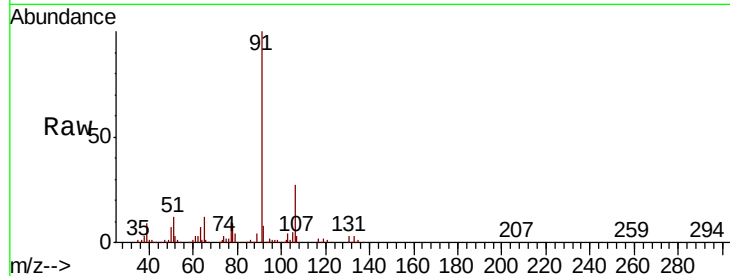
106 27.5 21.5 32.3

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#68

m/p-Xylenes

Concen: 104.92 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF059906.D

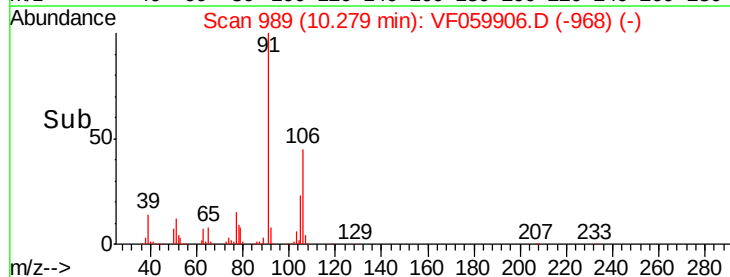
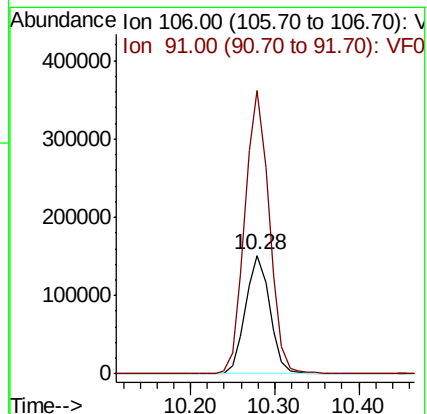
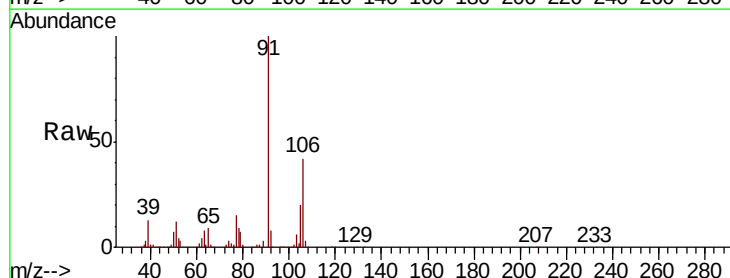
Acq: 7 Aug 2018 6:41

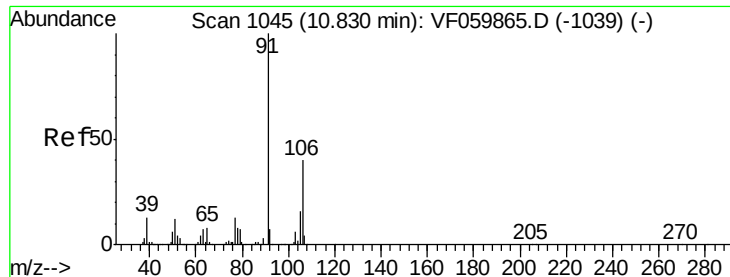
Tgt Ion: 106 Resp: 308409

Ion Ratio Lower Upper

106 100

91 239.0 192.1 288.1





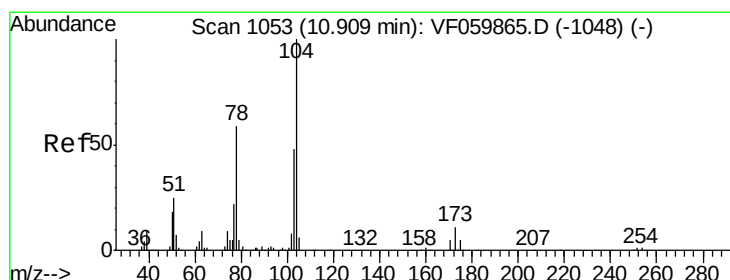
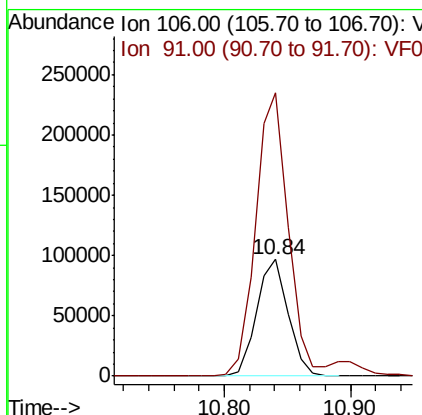
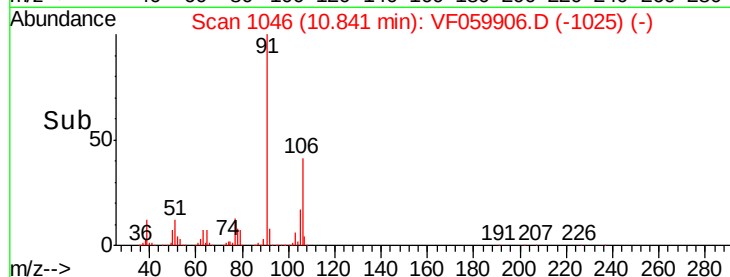
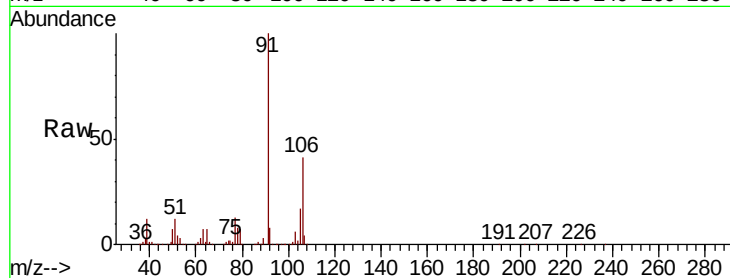
#69
o-Xylene
Concen: 54.50 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	242.1	125.4	376.2

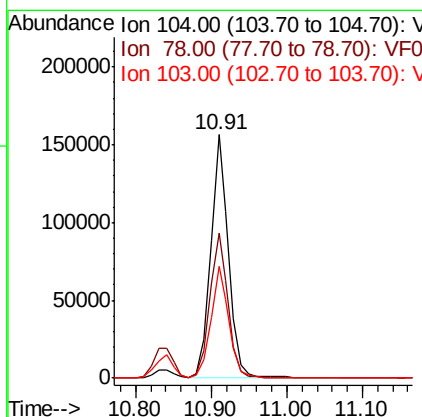
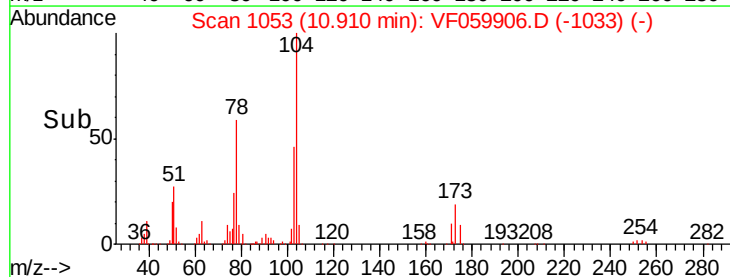
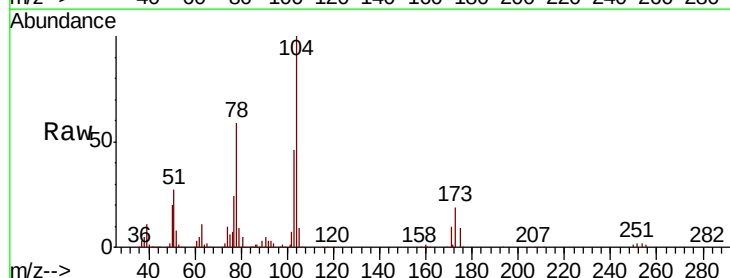
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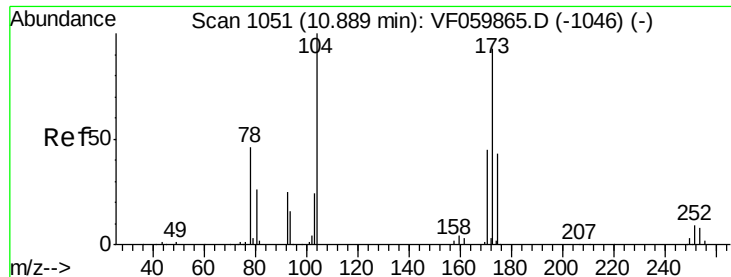
apatel
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#70
Styrene
Concen: 55.68 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.4	47.3	70.9
103	45.9	39.0	58.4





#71

Bromoform

Concen: 59.14 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

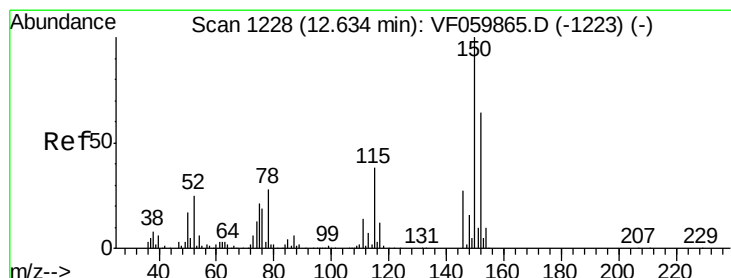
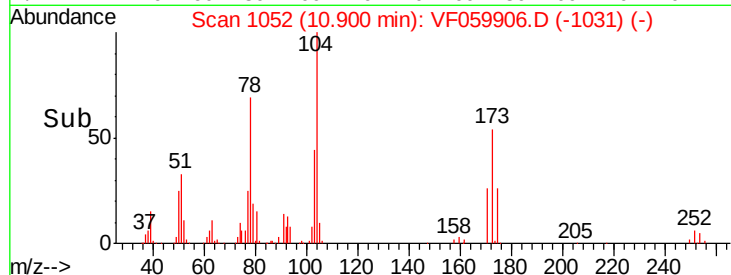
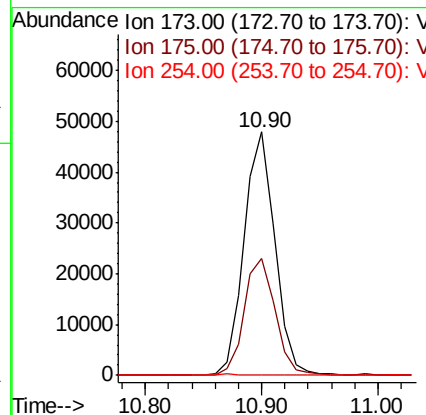
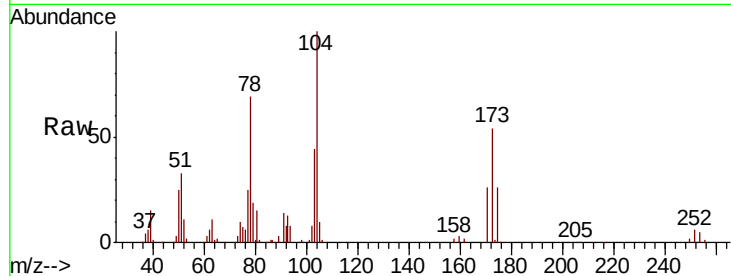
ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 88007
 Ion Ratio Lower Upper
 173 100
 175 46.9 23.4 70.2
 254 0.0 0.0 0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

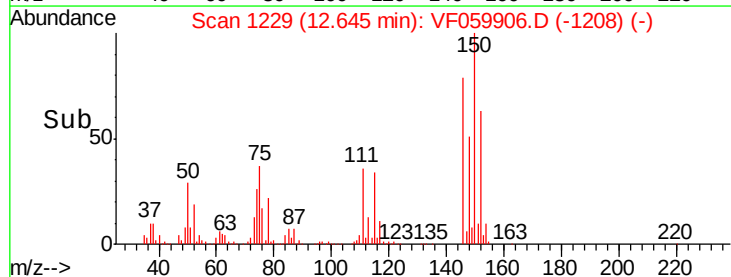
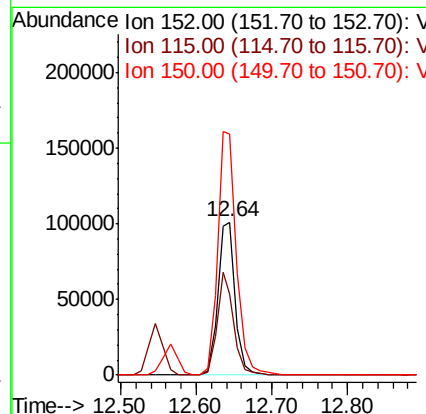
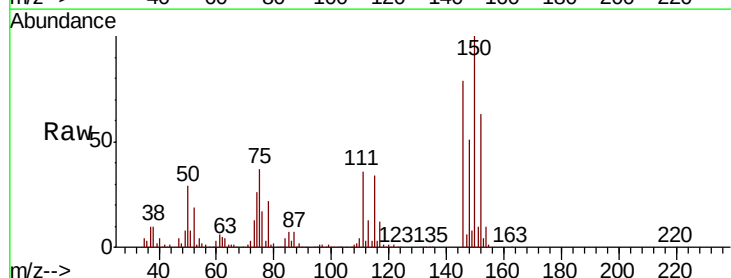
RT: 12.64 min Scan# 1229

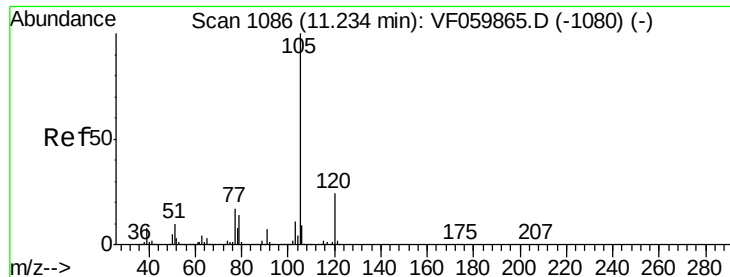
Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion:152 Resp: 164685
 Ion Ratio Lower Upper
 152 100
 115 53.0 29.8 89.4
 150 157.5 0.0 315.6





#73

Isopropylbenzene

Concen: 53.54 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 549135

Ion Ratio Lower Upper

105 100

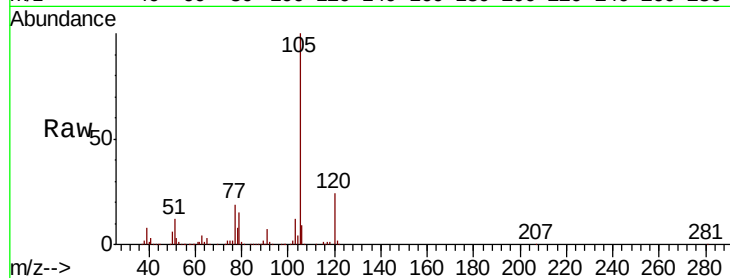
120 23.8 12.1 36.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.24

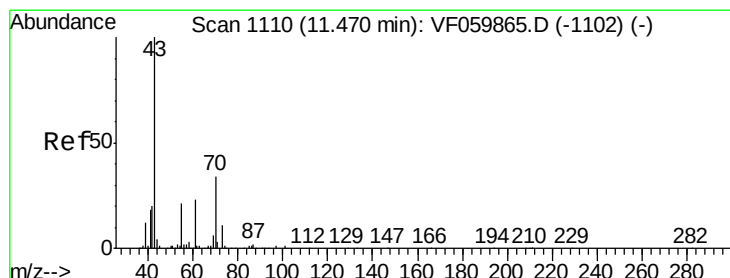
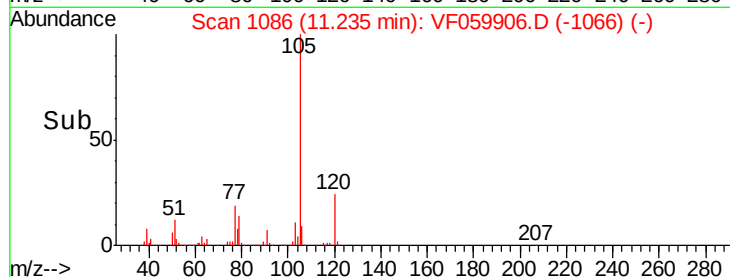
300000

200000

100000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 56.48 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion: 43 Resp: 144388

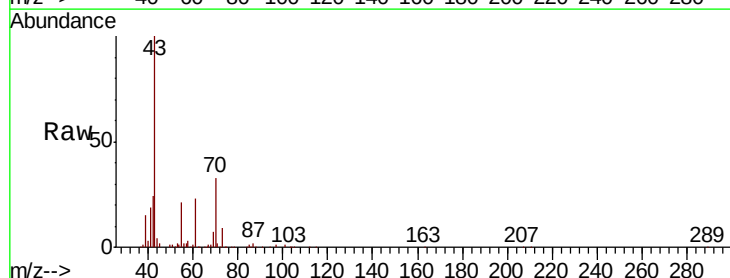
Ion Ratio Lower Upper

43 100

70 32.8 27.5 41.3

55 20.8 16.6 25.0

61 22.7 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

11.47

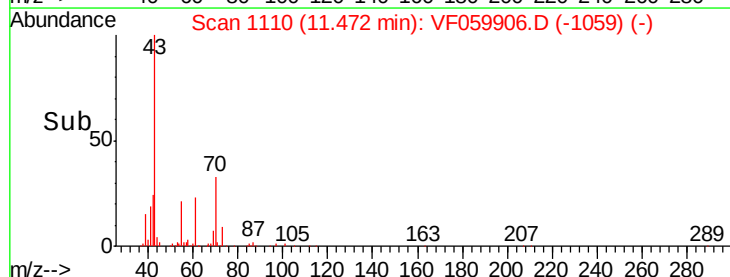
150000

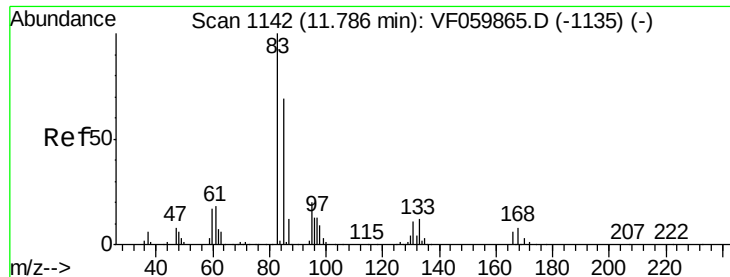
100000

50000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 52.95 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

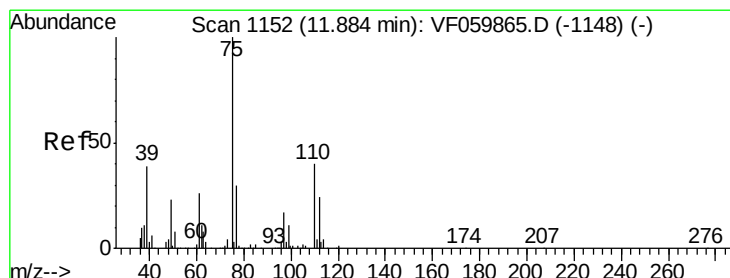
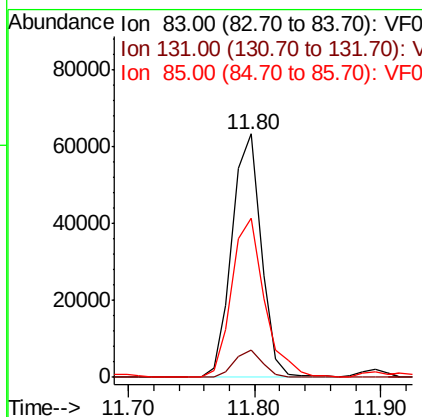
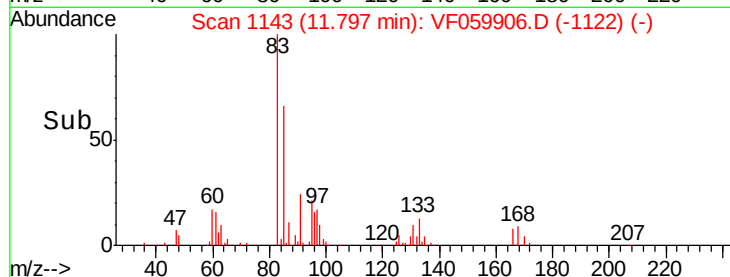
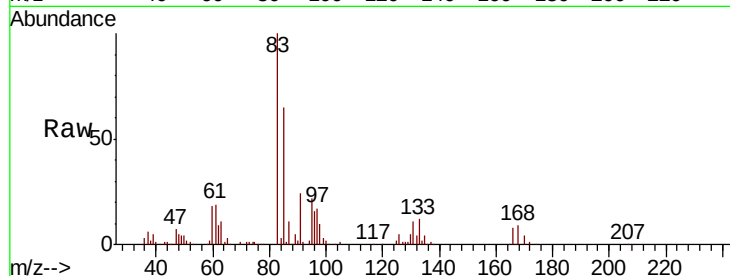
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	101965
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	15.9
85	65.4	34.5	103.5

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#76

1,2,3-Trichloropropane

Concen: 54.23 ug/l

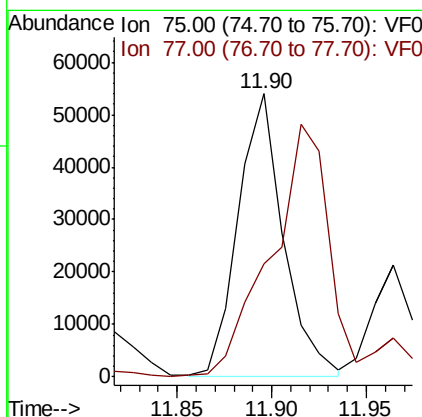
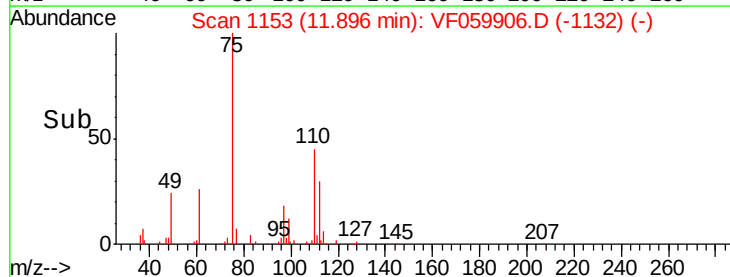
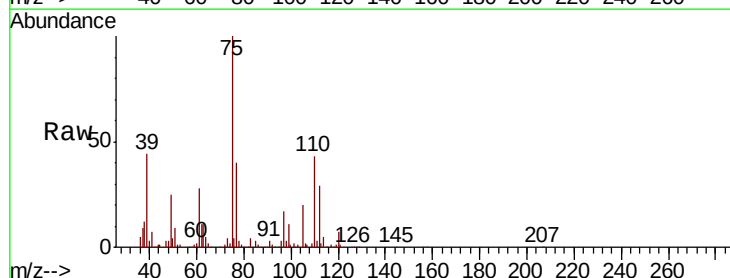
RT: 11.90 min Scan# 1153

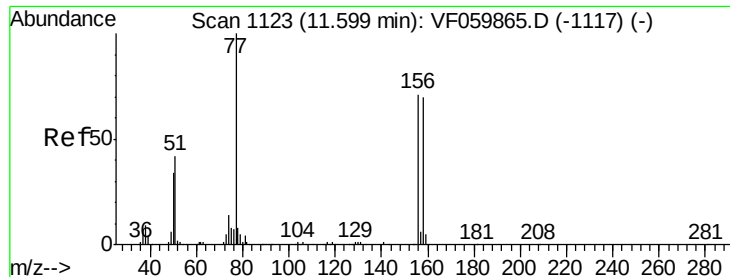
Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion:	75	Resp:	89707
Ion Ratio	Lower	Upper	
75	100		
77	40.0	15.4	46.2





#77

Bromobenzene

Concen: 53.52 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 149300

Ion Ratio Lower Upper

156 100

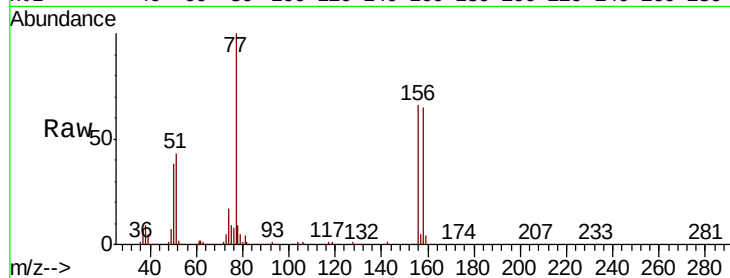
77 151.5 70.2 210.6

158 97.9 49.2 147.6

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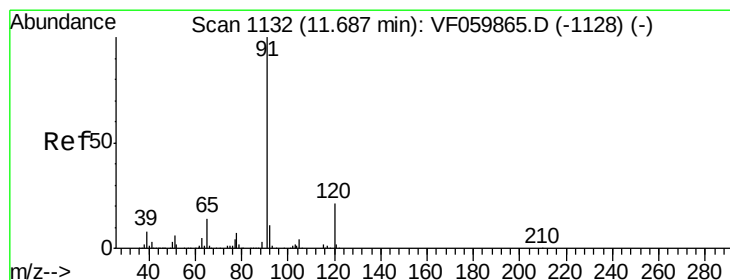
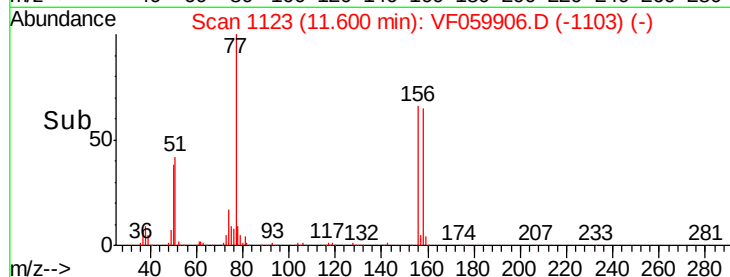
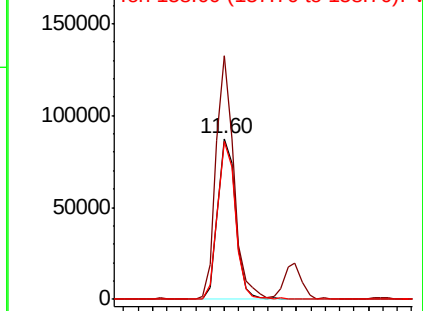
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.45 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF059906.D

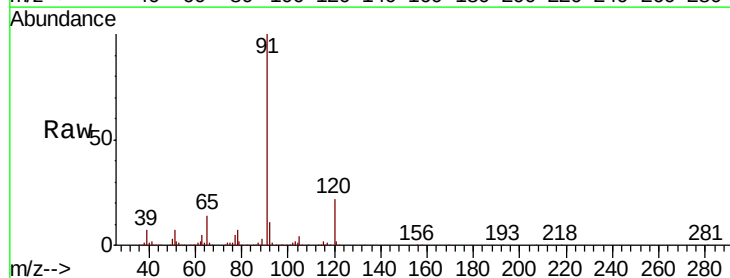
Acq: 7 Aug 2018 6:41

Tgt Ion: 91 Resp: 623228

Ion Ratio Lower Upper

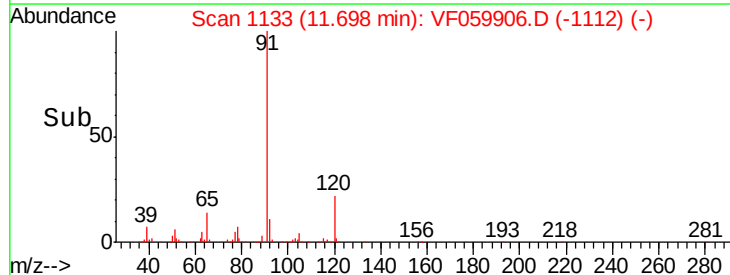
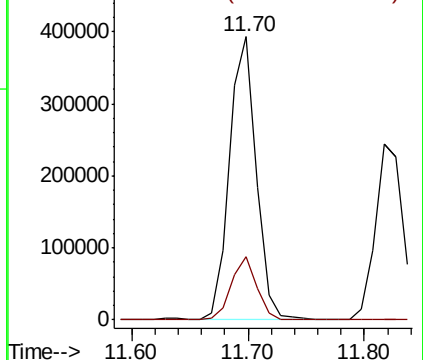
91 100

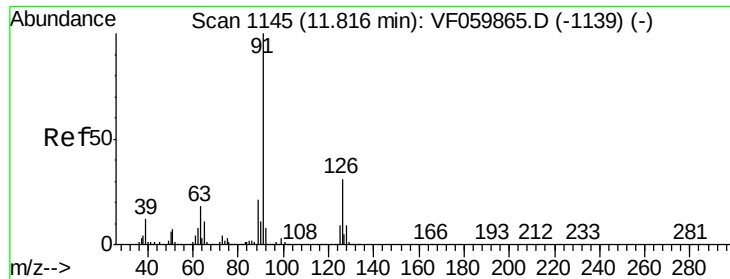
120 22.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





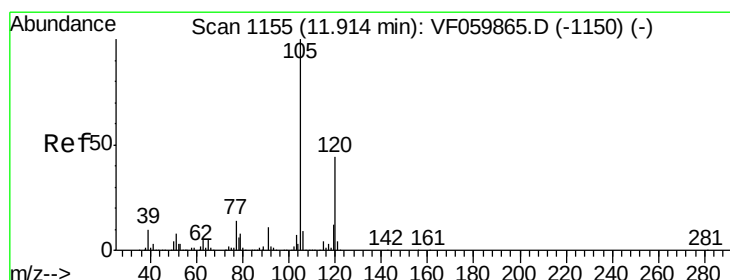
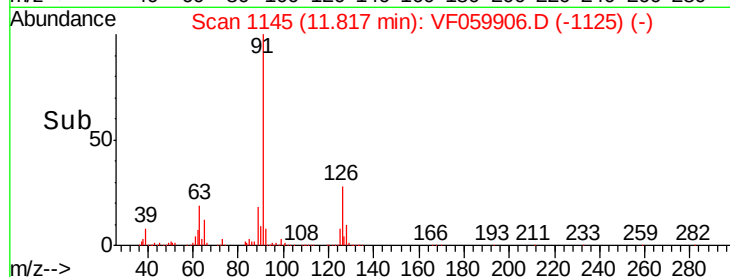
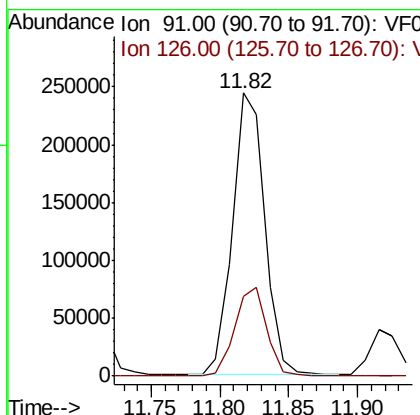
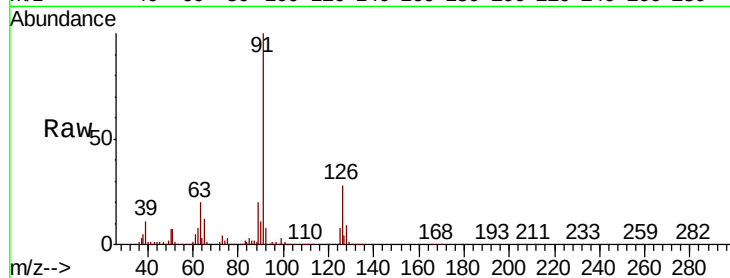
#79
 2-Chlorotoluene
 Concen: 51.78 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.1	15.6	46.7

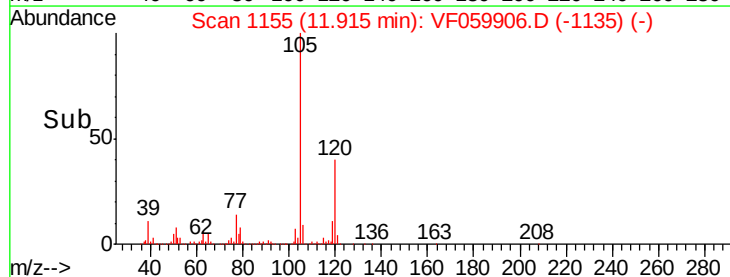
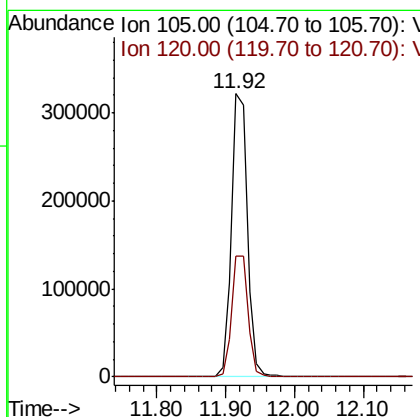
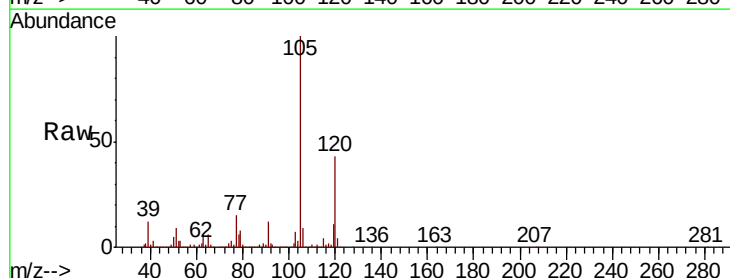
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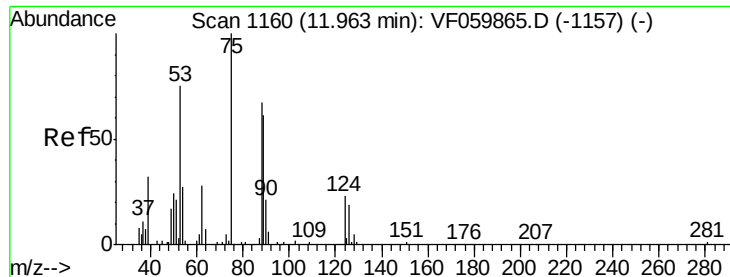
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.15 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.9	65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 57.76 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 34317
Ion Ratio Lower Upper

75 100

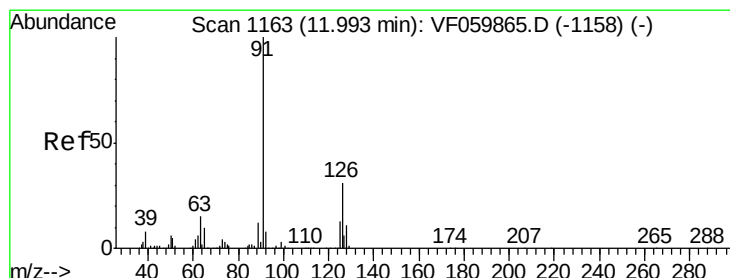
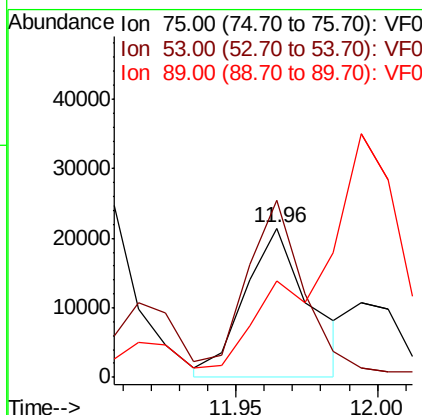
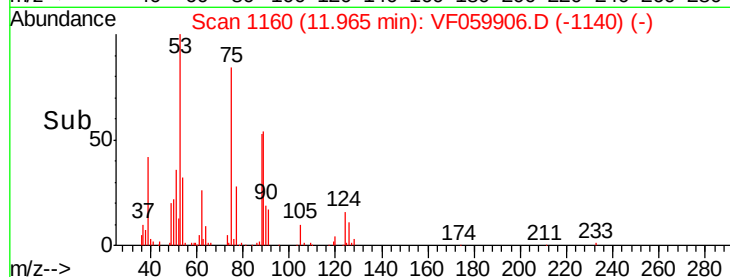
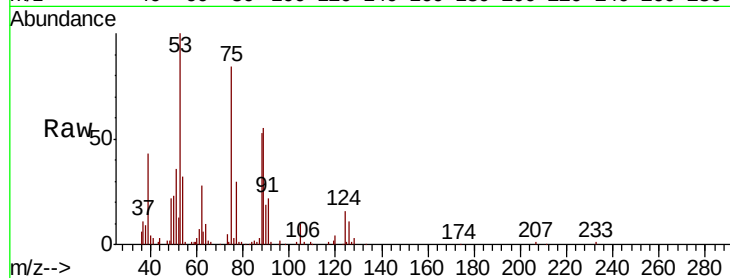
53 118.4 65.9 98.9#

89 64.6 50.6 76.0

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#82

4-Chlorotoluene

Concen: 53.61 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

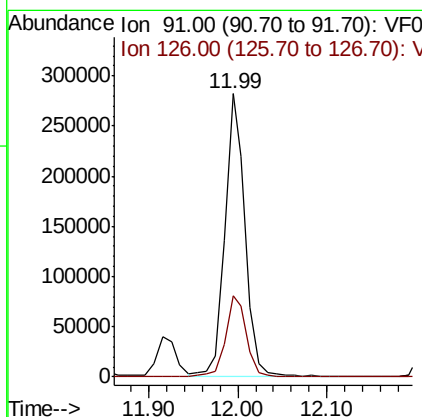
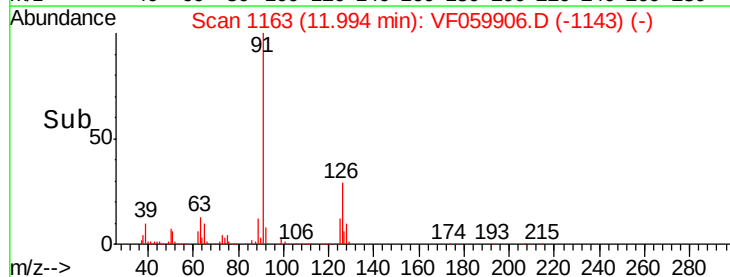
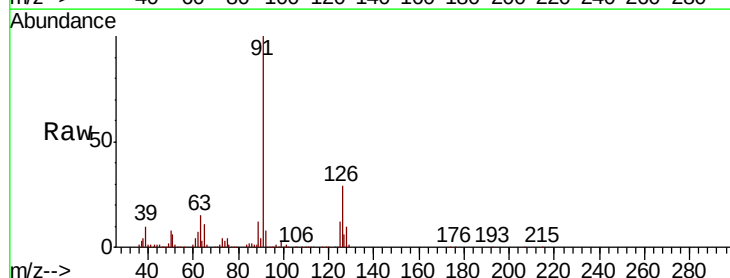
Lab File: VF059906.D

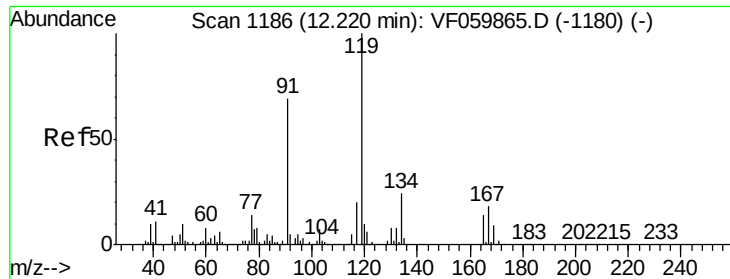
Acq: 7 Aug 2018 6:41

Tgt Ion: 91 Resp: 446102
Ion Ratio Lower Upper

91 100

126 28.8 15.7 47.0





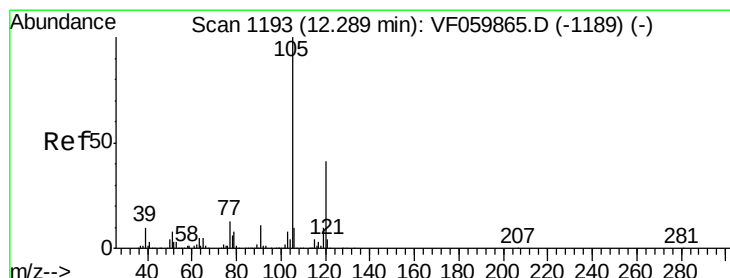
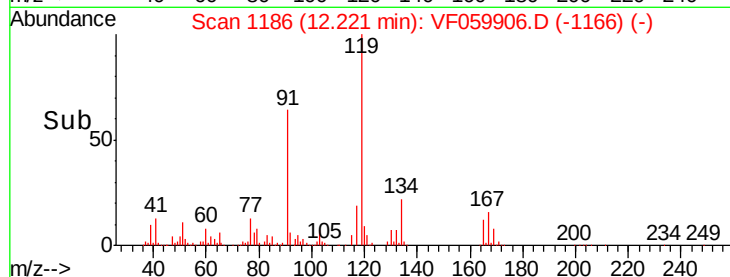
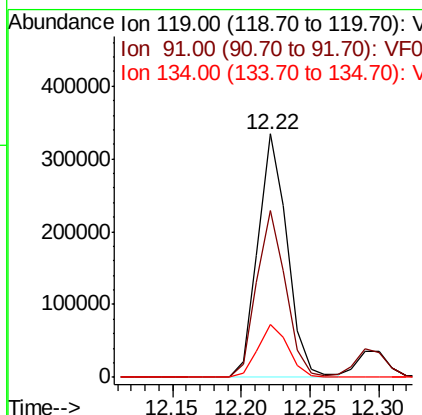
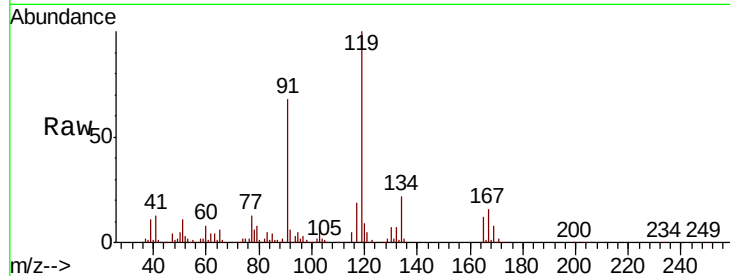
#83
 tert-Butylbenzene
 Concen: 53.82 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	499041		
91	68.3	34.4	103.2	
134	21.8	12.1	36.3	

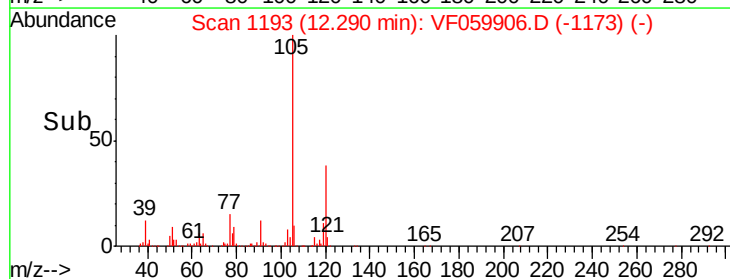
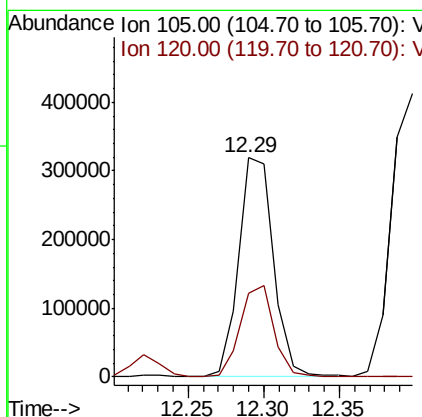
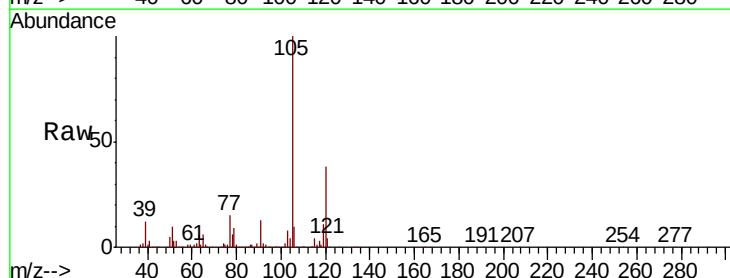
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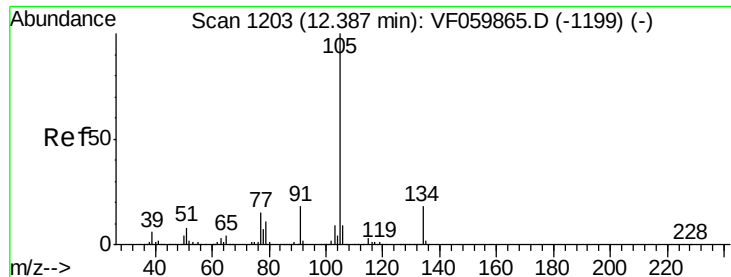
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.89 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	508341		
120	37.9	20.8	62.5	





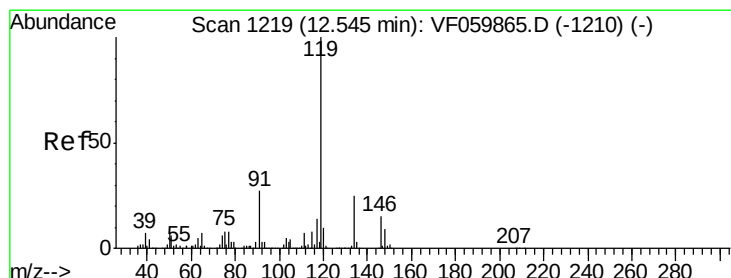
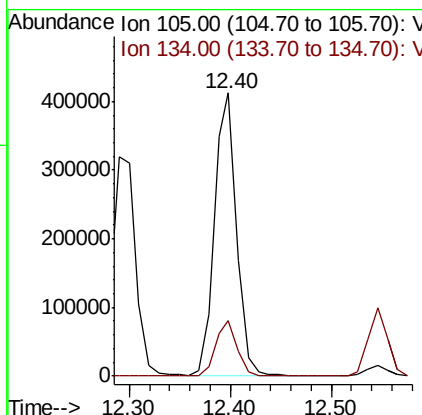
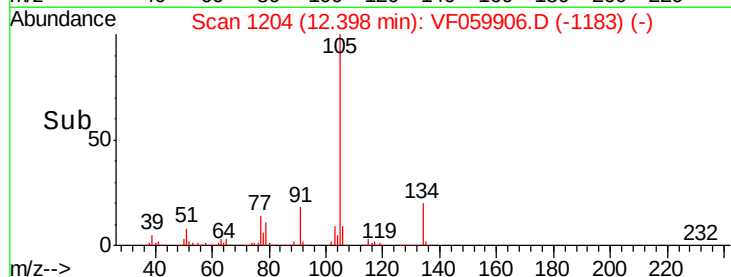
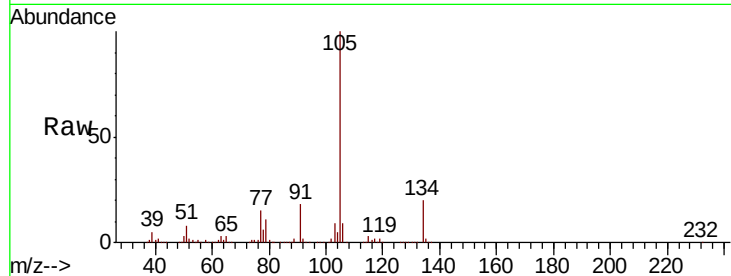
#85
 sec-Butylbenzene
 Concen: 51.28 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	631681		
134	19.7	9.1	27.3	

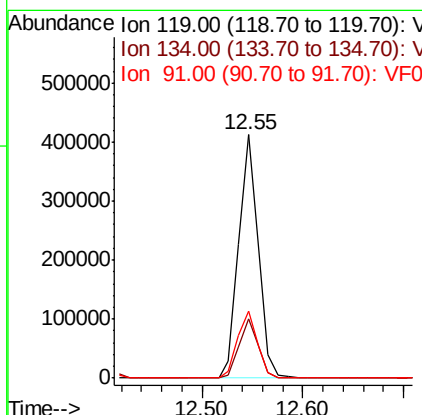
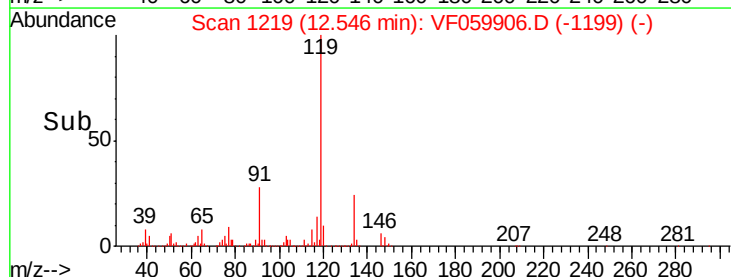
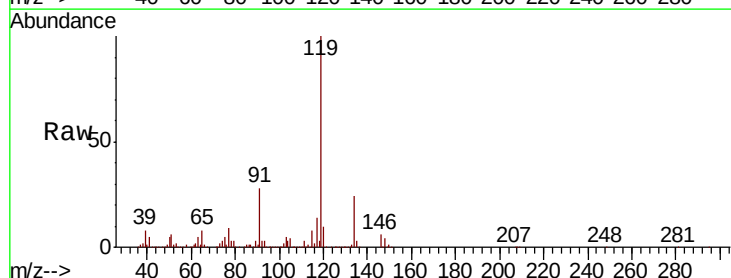
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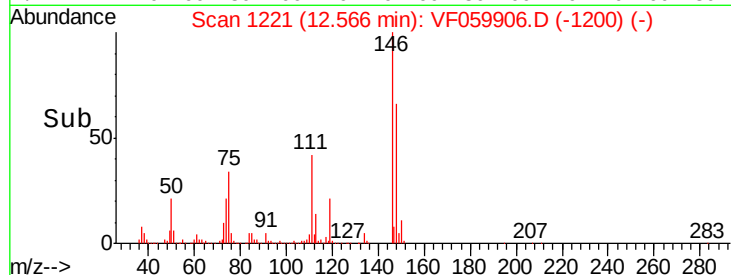
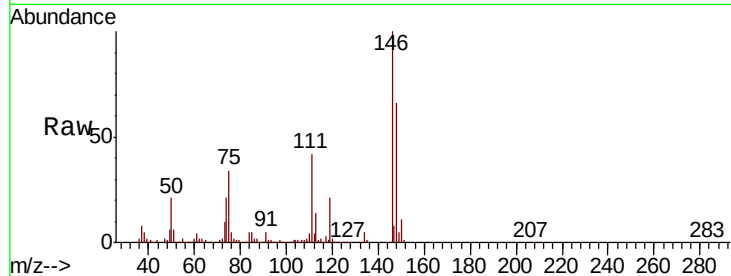
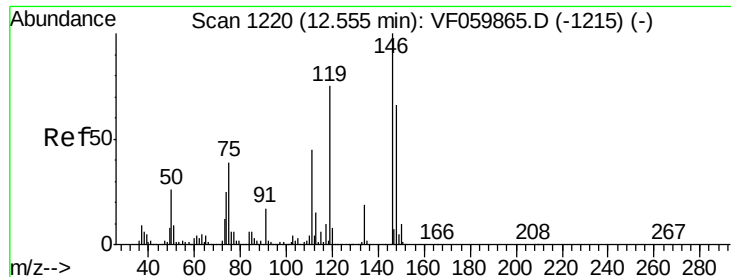
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#86
 p-Isopropyltoluene
 Concen: 53.40 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	552913		
134	24.3	12.4	37.0	
91	27.8	13.6	40.7	





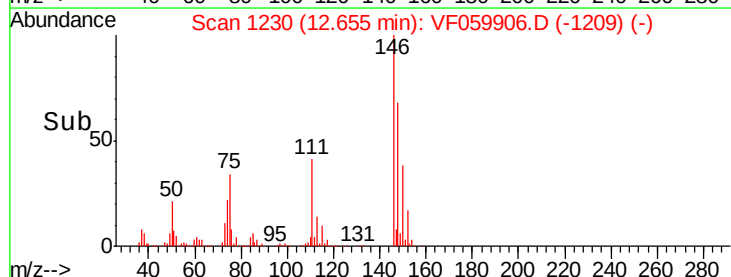
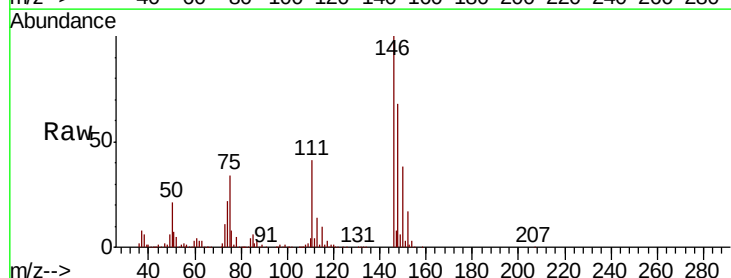
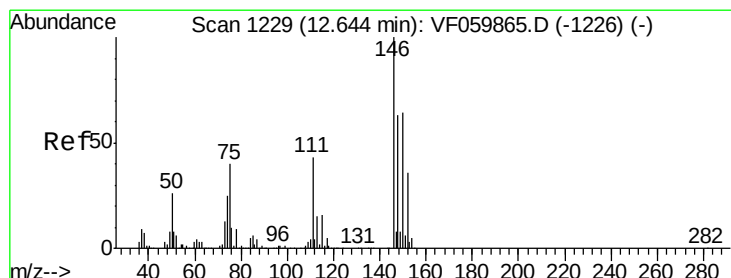
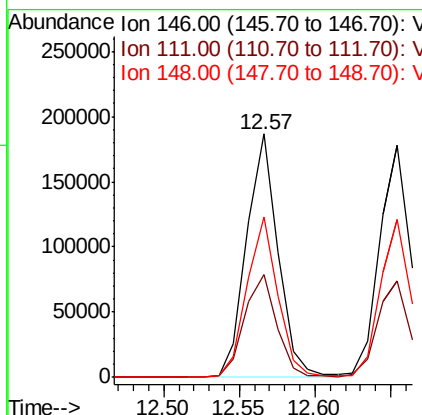
#87
 1,3-Dichlorobenzene
 Concen: 51.41 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tot Ion	Ratio	Resp	Lower	Upper
146	100	271710		
111	42.1	22.4	67.0	
148	66.1	33.1	99.3	

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

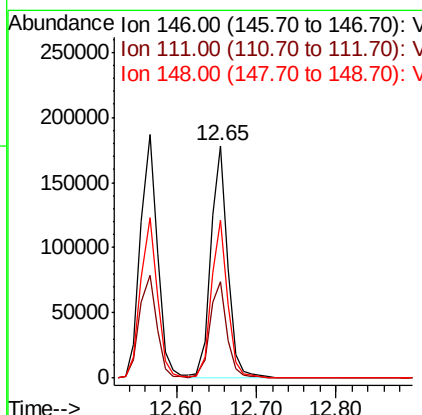
Manual Integrations
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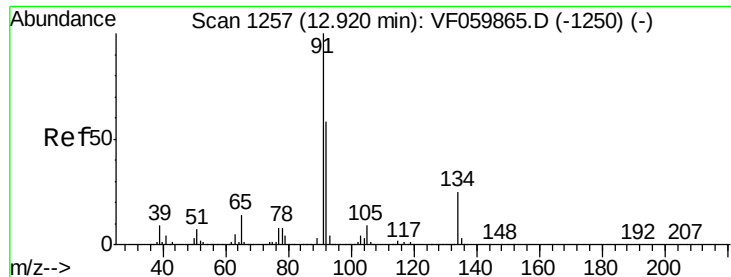
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#88
 1,4-Dichlorobenzene
 Concen: 51.20 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	265665		
111	41.3	21.4	64.2	
148	67.9	31.6	94.7	





#89

n-Butylbenzene

Concen: 54.80 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

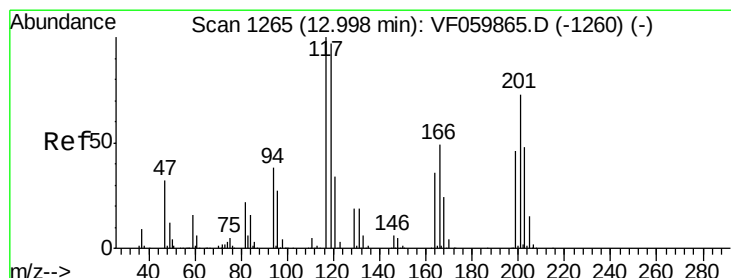
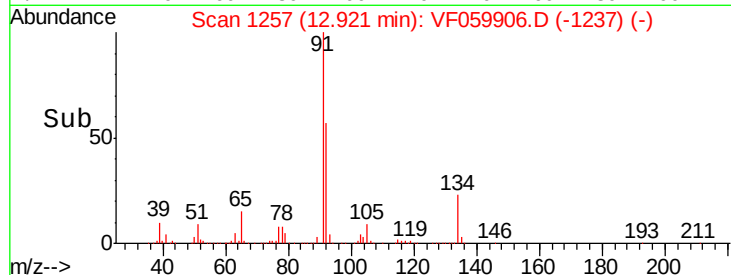
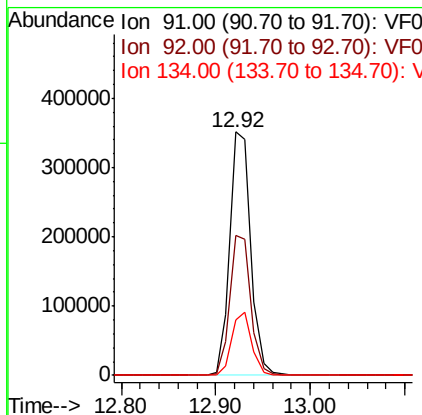
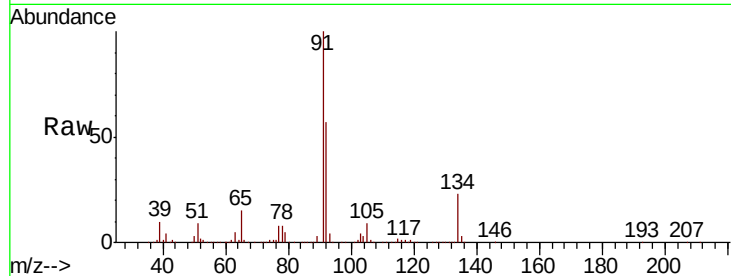
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	540767
Ion Ratio	Lower	Upper	
91	100		
92	57.4	28.8	86.5
134	22.6	12.6	37.6

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#90

Hexachloroethane

Concen: 49.99 ug/l

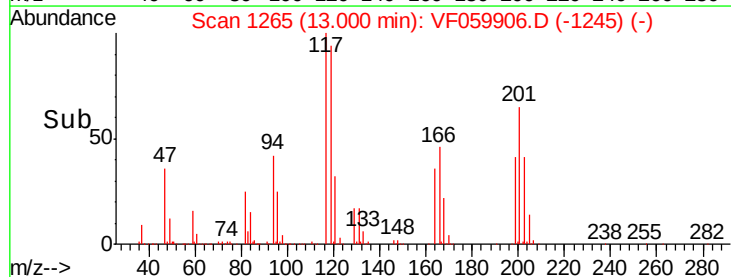
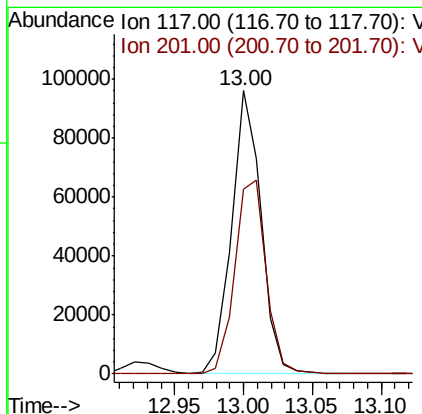
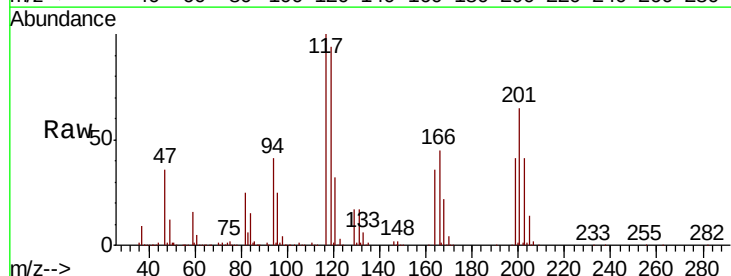
RT: 13.00 min Scan# 1265

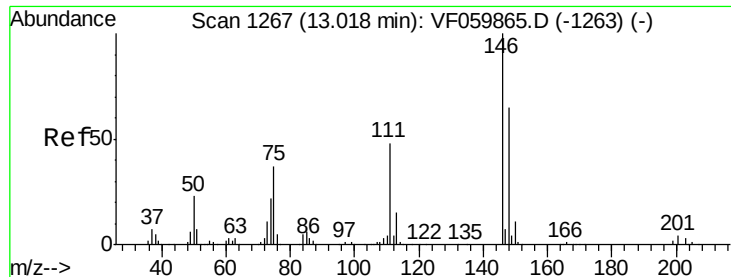
Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion:	117	Resp:	142830
Ion Ratio	Lower	Upper	
117	100		
201	65.2	36.6	109.8





#91

1,2-Dichlorobenzene

Concen: 52.87 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Instrument :

MSVOA_F

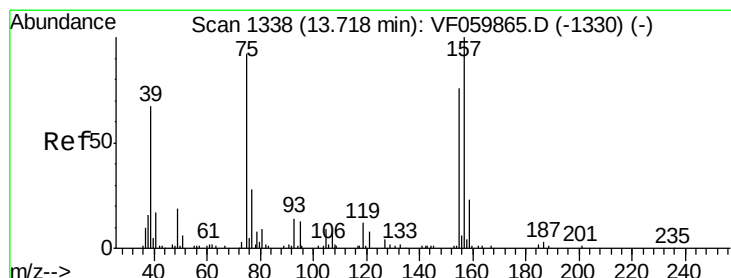
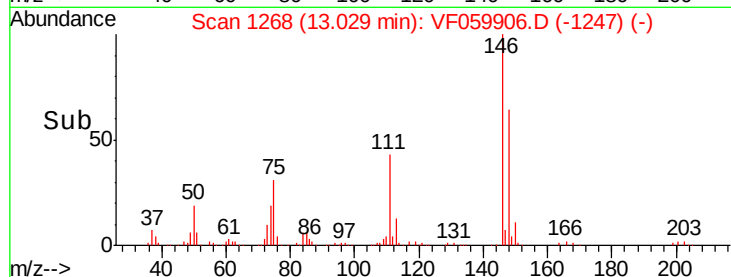
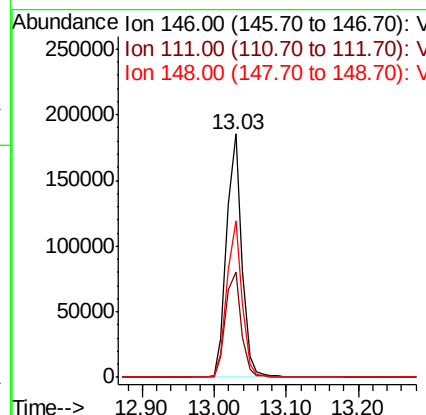
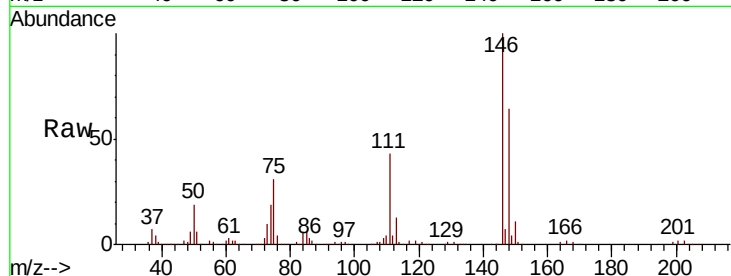
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	268899
Ion Ratio	Lower	Upper	
146	100		
111	43.3	24.1	72.2
148	64.1	32.8	98.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 56.52 ug/l

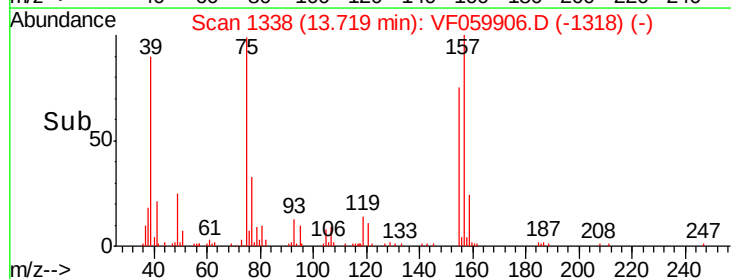
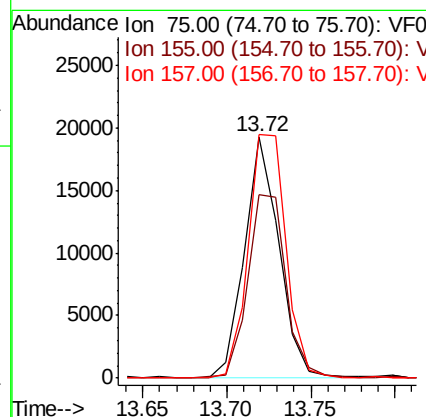
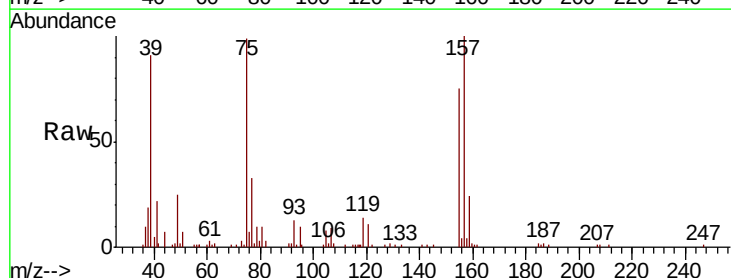
RT: 13.72 min Scan# 1338

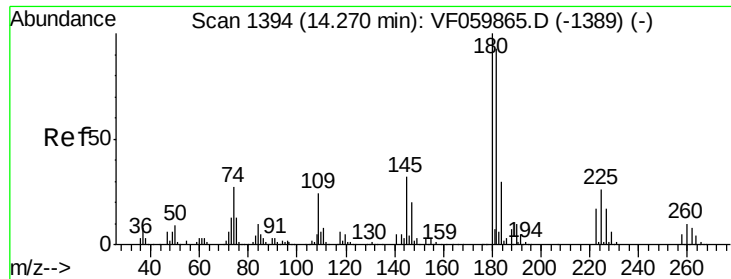
Delta R.T. 0.00 min

Lab File: VF059906.D

Acq: 7 Aug 2018 6:41

Tgt Ion:	75	Resp:	27438
Ion Ratio	Lower	Upper	
75	100		
155	76.0	41.2	123.6
157	105.2	54.5	163.6





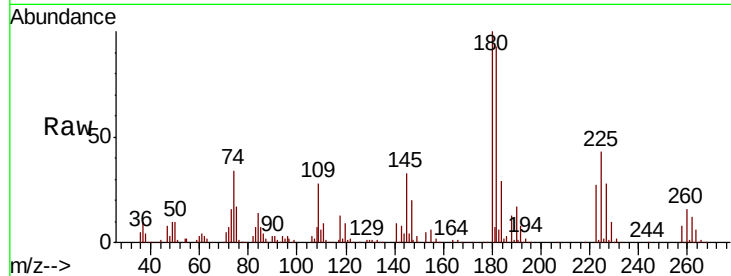
#93
 1,2,4-Trichlorobenzene
 Concen: 55.17 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213071		
182	93.2	46.4	139.2	
145	33.4	15.9	47.7	

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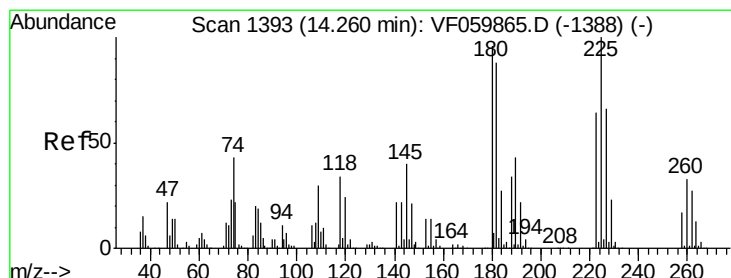
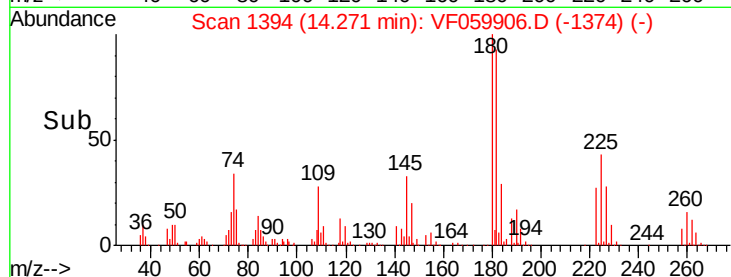
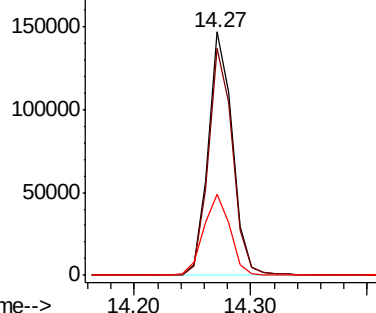


Abundance

Ion 180.00 (179.70 to 180.70): V

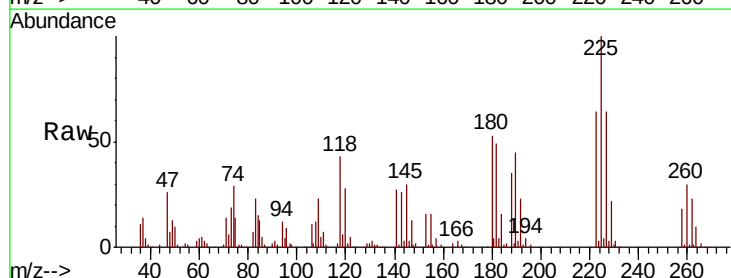
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 51.76 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059906.D
 Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141192		
223	63.9	31.9	95.9	
227	64.3	32.8	98.4	

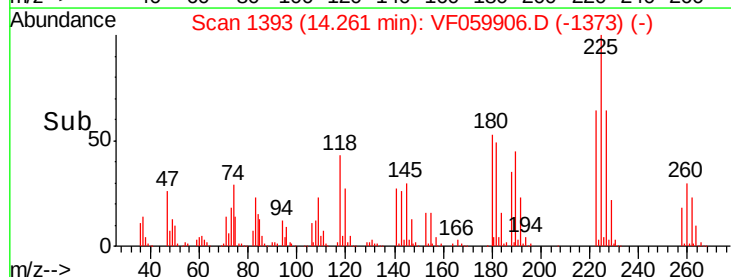
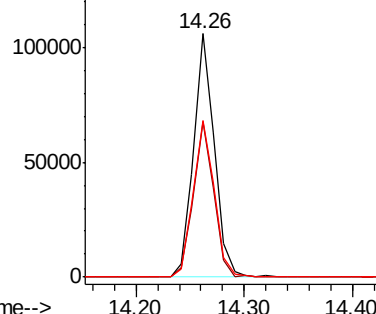


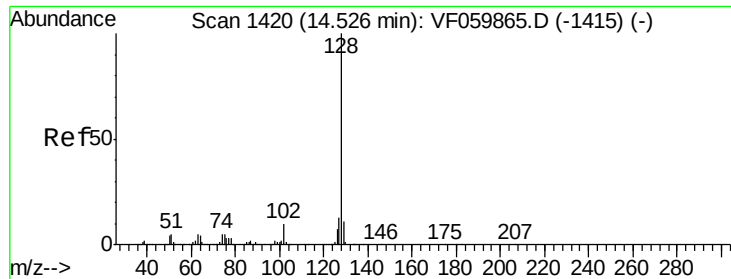
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





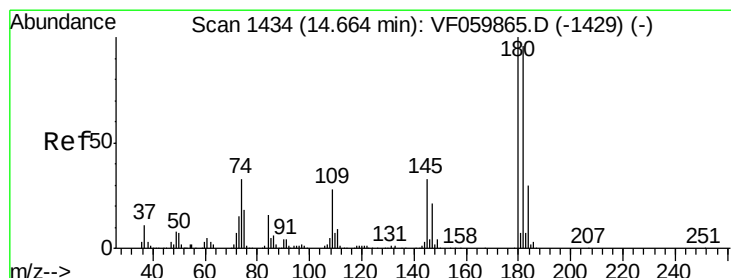
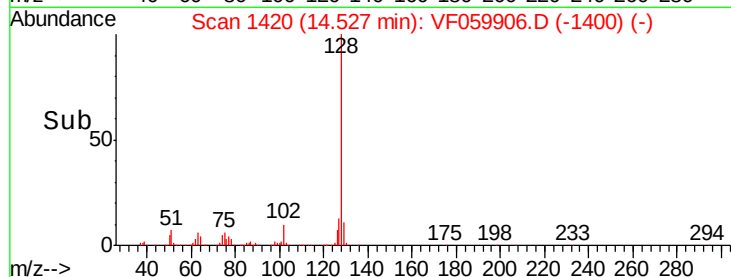
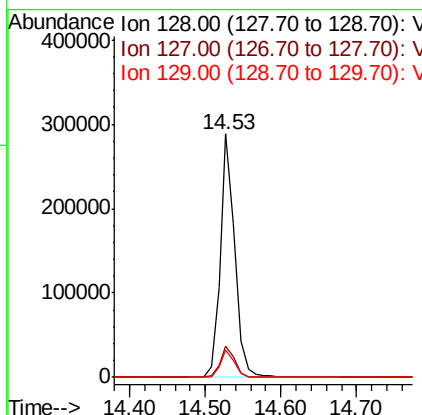
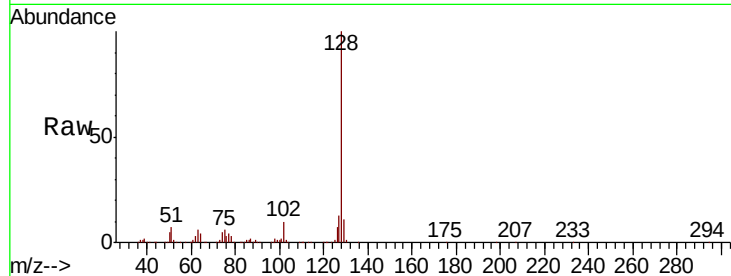
#95
Naphthalene
Concen: 58.28 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	389669		
127	12.9		10.4	15.6
129	11.0		9.0	13.6

Manual Integrations
APPROVED

apatel
8/8/2018 11:38:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.37 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059906.D
Acq: 7 Aug 2018 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	211148		
182	100.8		48.1	144.3
145	34.5		16.6	49.8

