

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059865.D
 Acq On : 4 Aug 2018 4:44
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:00 AM

Quant Time: Aug 04 05:44:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	185462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	257389	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	251663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	174592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	172824	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	4.29	113	132712	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	7.71	98	289428	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
62) 4-Bromofluorobenzene	11.51	95	163283	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	161111	59.48	ug/l	100
3) Chloromethane	1.09	50	67675	51.23	ug/l	100
4) Vinyl Chloride	1.16	62	72437	53.30	ug/l	100
5) Bromomethane	1.35	94	65397	58.13	ug/l	100
6) Chloroethane	1.43	64	46117	53.96	ug/l	100
7) Trichlorofluoromethane	1.54	101	211687m	58.49	ug/l	
8) Diethyl Ether	1.70	74	30392	50.33	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	106779	56.39	ug/l	100
10) Methyl Iodide	1.97	142	167903m	55.83	ug/l	
11) Tert butyl alcohol	2.69	59	31905	215.26	ug/l	100
12) 1,1-Dichloroethene	1.86	96	79958	53.11	ug/l	100
13) Acrolein	2.09	56	19333	300.44	ug/l	100
14) Allyl chloride	2.18	41	132940	55.08	ug/l	100
15) Acrylonitrile	3.08	53	63179	257.47	ug/l	100
16) Acetone	2.34	43	148535	244.36	ug/l	100
17) Carbon Disulfide	1.90	76	211717m	56.49	ug/l	
18) Methyl Acetate	2.45	43	46681	41.12	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	224236	50.20	ug/l	100
20) Methylene Chloride	2.28	84	82019m	47.13	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	78207	51.86	ug/l	100
22) Diisopropyl ether	2.92	45	261917	52.31	ug/l	100
23) Vinyl Acetate	3.34	43	662473	260.54	ug/l	100
24) 1,1-Dichloroethane	3.00	63	188260	53.64	ug/l	100
25) 2-Butanone	4.51	43	163936	250.36	ug/l	100
26) 2,2-Dichloropropane	3.77	77	113439	46.95	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	94492	51.10	ug/l	100
28) Bromochloromethane	3.89	49	65624	48.18	ug/l	100
29) Tetrahydrofuran	4.25	42	58436	225.97	ug/l	100
30) Chloroform	4.04	83	256504	52.40	ug/l	100
31) Cyclohexane	3.86	56	97889	51.44	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	207446	54.05	ug/l	100
36) 1,1-Dichloropropene	4.46	75	159095	51.95	ug/l	100
37) Ethyl Acetate	4.28	43	68279	45.81	ug/l	100
38) Carbon Tetrachloride	4.18	117	215178m	51.24	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	121891	52.75	ug/l	100
40) Benzene	4.82	78	260496	49.02	ug/l	100
41) Methacrylonitrile	4.93	41	35459	48.42	ug/l	100
42) 1,2-Dichloroethane	5.12	62	215555	56.80	ug/l	100
43) Isopropyl Acetate	7.11	43	65171	42.67	ug/l	100
44) Trichloroethene	5.67	130	105990	51.44	ug/l	100
45) 1,2-Dichloropropane	6.40	63	72333	51.81	ug/l	100
46) Dibromomethane	6.26	93	69398	52.20	ug/l	100
47) Bromodichloromethane	6.55	83	196787	53.99	ug/l	100
48) Methyl methacrylate	6.88	41	54296	46.96	ug/l	100
49) 1,4-Dioxane	6.87	88	6797	762.62	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	348305	286.76	ug/l	100
52) Toluene	7.78	92	196115	49.72	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	145698	47.03	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	158792	52.35	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	68024	48.14	ug/l	100
56) Ethyl methacrylate	8.76	69	72724	49.75	ug/l	100
57) 1,3-Dichloropropane	9.01	76	122478	49.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	49876	280.40	ug/l	100
59) 2-Hexanone	9.64	43	251146	261.79	ug/l	100
60) Dibromochloromethane	8.87	129	136068	53.54	ug/l	100
61) 1,2-Dibromoethane	9.14	107	86411	51.52	ug/l	100
64) Tetrachloroethene	8.31	164	114021	55.56	ug/l	100
65) Chlorobenzene	9.94	112	261528	50.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	130458	53.91	ug/l	100
67) Ethyl Benzene	10.04	91	476976	53.28	ug/l	100
68) m/p-Xylenes	10.27	106	317368	101.15	ug/l	100
69) o-Xylene	10.83	106	184177	55.50	ug/l	100
70) Styrene	10.91	104	258043	51.91	ug/l	100
71) Bromoform	10.89	173	80599	51.86	ug/l	100
73) Isopropylbenzene	11.23	105	592634	50.70	ug/l	100
74) N-amyl acetate	11.47	43	126308	43.80	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	100326	46.37	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	86243	46.50	ug/l	100
77) Bromobenzene	11.60	156	146964	48.31	ug/l	100
78) n-propylbenzene	11.69	91	676846	49.65	ug/l	100
79) 2-Chlorotoluene	11.82	91	423238	49.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	533419	50.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	30427m	40.76	ug/l	
82) 4-Chlorotoluene	11.99	91	432207	47.80	ug/l	100
83) tert-Butylbenzene	12.22	119	521838	49.94	ug/l	100
84) 1,2,4-Trimethylbenzene	12.29	105	536630	50.77	ug/l	100
85) sec-Butylbenzene	12.39	105	682926	50.76	ug/l	100
86) p-Isopropyltoluene	12.54	119	608686	51.29	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	276309	47.62	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	278184	49.02	ug/l	100
89) n-Butylbenzene	12.92	91	553630	49.61	ug/l	100
90) Hexachloroethane	13.00	117	157647	52.92	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	273082	48.67	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	28273	52.56	ug/l	100

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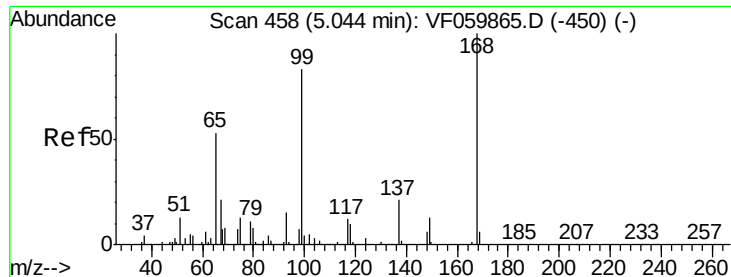
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	215825	49.50	ug/l	100
94) Hexachlorobutadiene	14.26	225	149904	51.30	ug/l	100
95) Naphthalene	14.53	128	382084	50.09	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	217368	51.33	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 185462

Ion Ratio Lower Upper

168 100

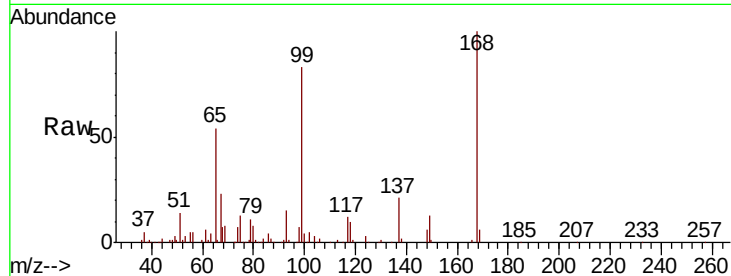
99 82.9 66.3 99.5

Manual Integrations

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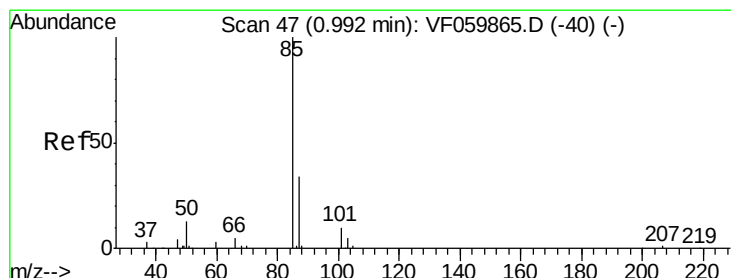
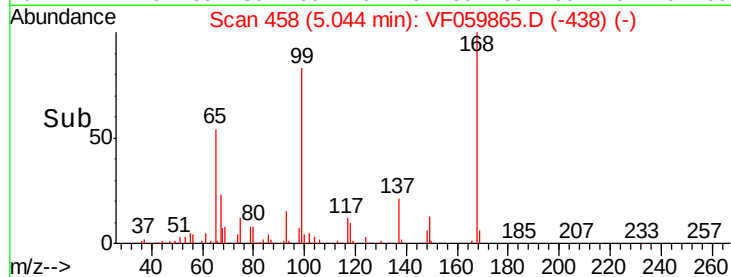
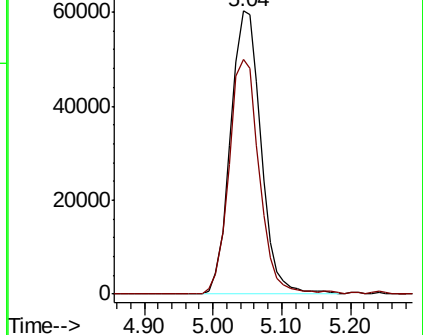
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 59.48 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF059865.D

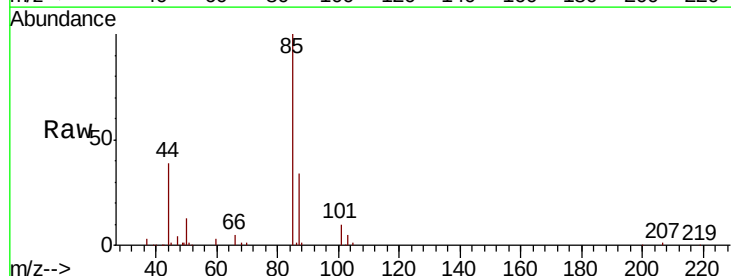
Acq: 4 Aug 2018 4:44

Tgt Ion: 85 Resp: 161111

Ion Ratio Lower Upper

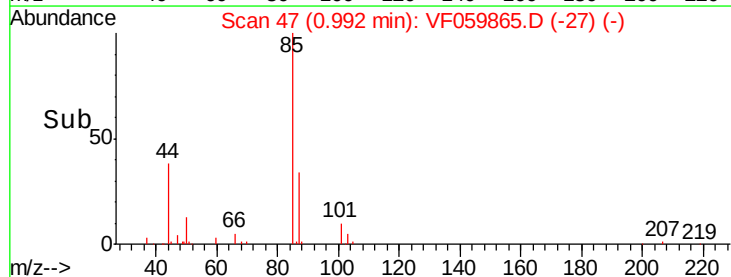
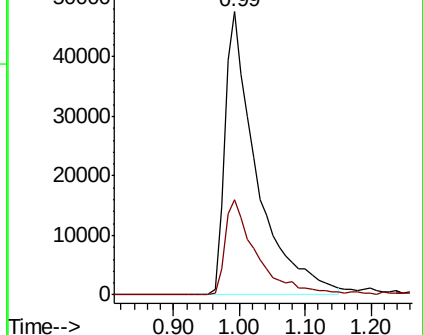
85 100

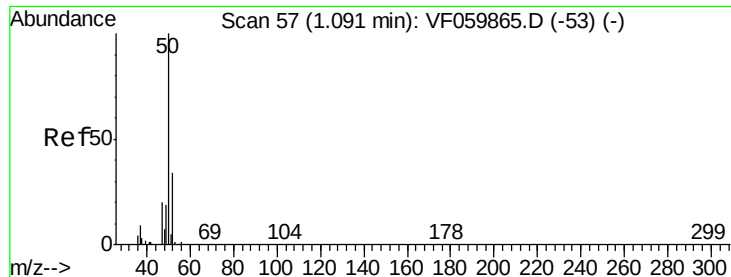
87 33.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 51.23 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 67675

Ion Ratio Lower Upper

50 100

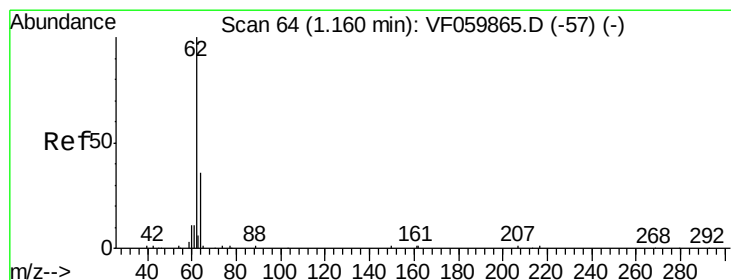
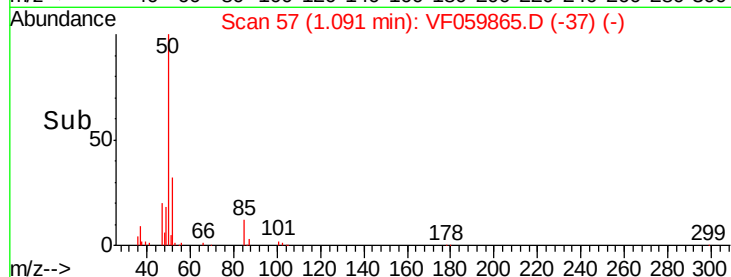
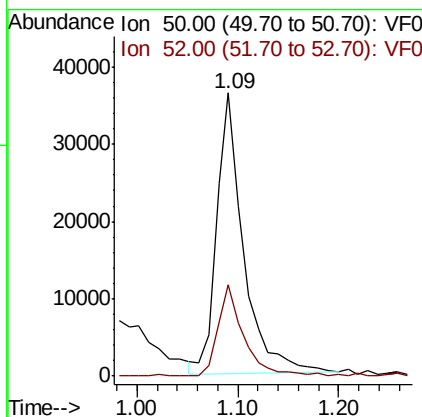
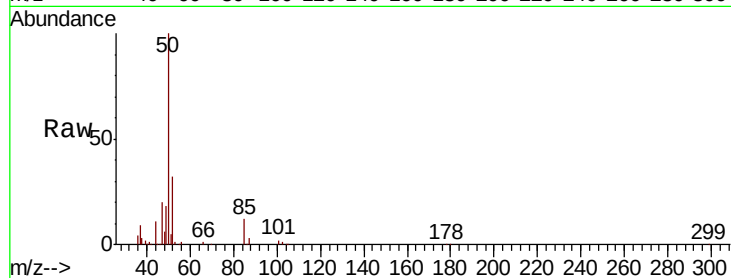
52 32.3 25.8 38.8

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#4

Vinyl Chloride

Concen: 53.30 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059865.D

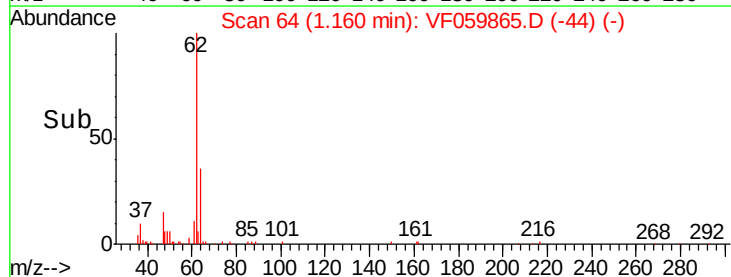
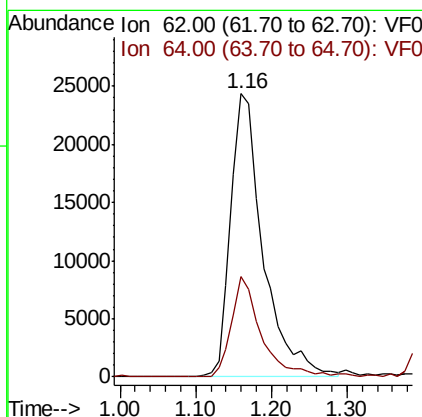
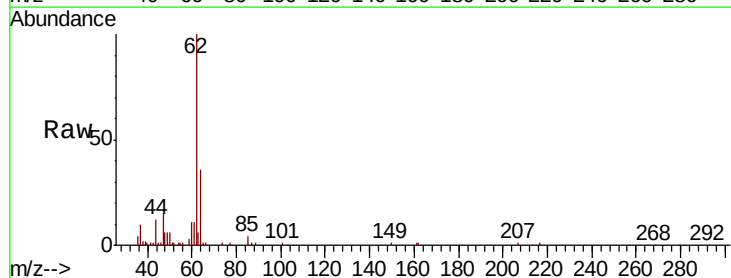
Acq: 4 Aug 2018 4:44

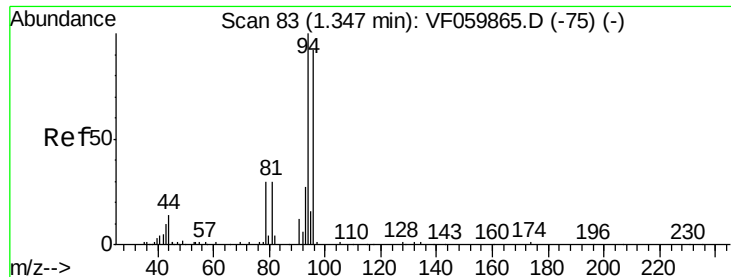
Tgt Ion: 62 Resp: 72437

Ion Ratio Lower Upper

62 100

64 35.6 28.5 42.7





#5

Bromomethane

Concen: 58.13 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 65397

Ion Ratio Lower Upper

94 100

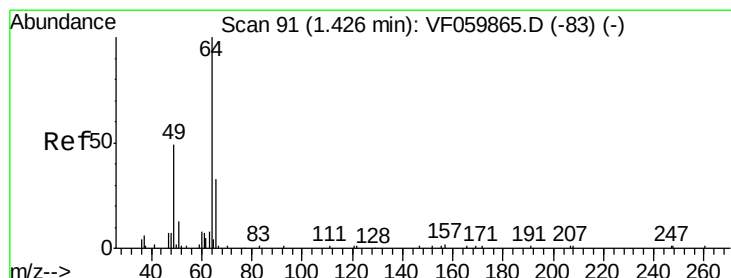
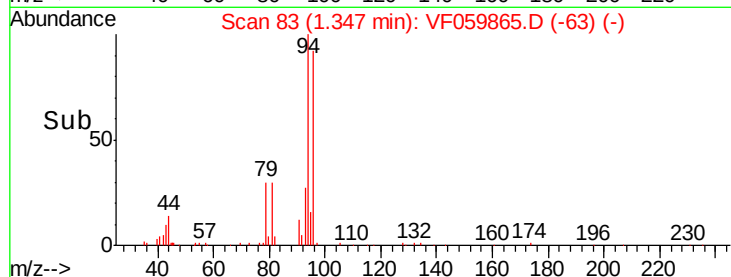
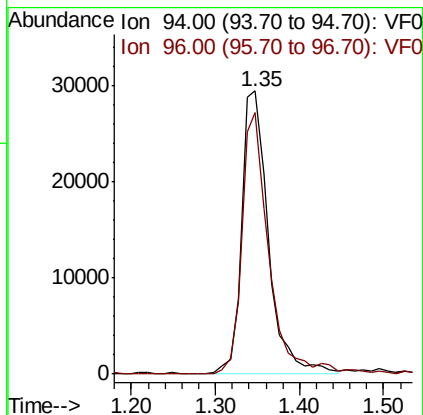
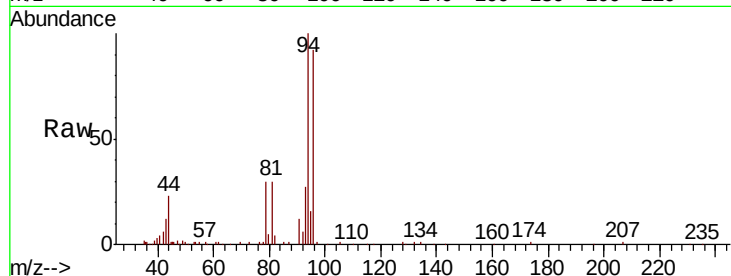
96 92.3 73.8 110.8

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#6

Chloroethane

Concen: 53.96 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059865.D

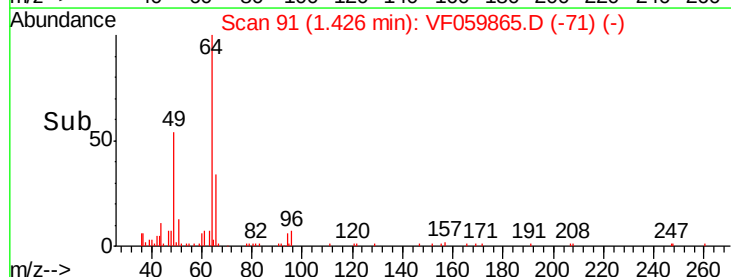
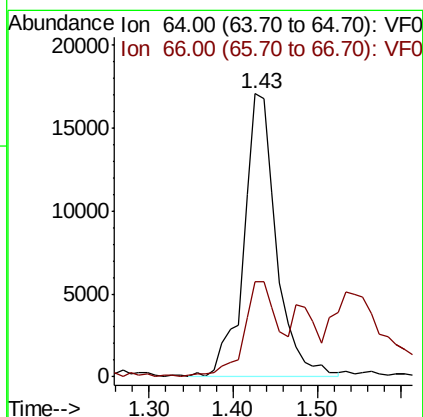
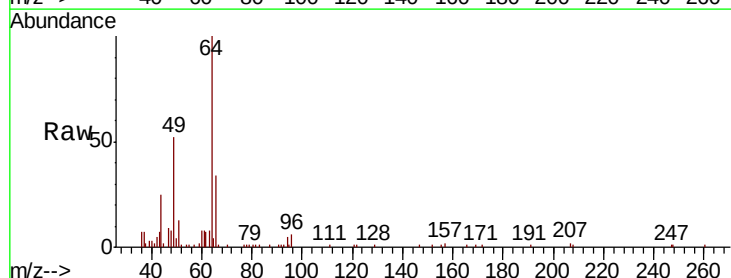
Acq: 4 Aug 2018 4:44

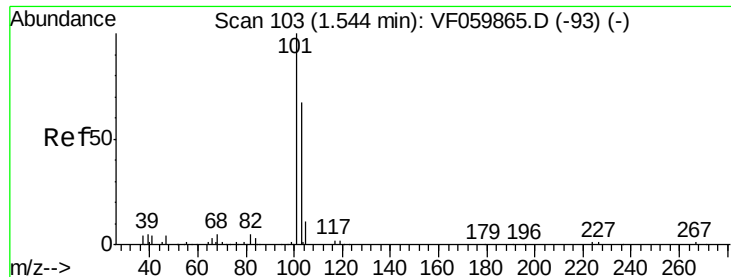
Tgt Ion: 64 Resp: 46117

Ion Ratio Lower Upper

64 100

66 33.6 26.9 40.3





#7

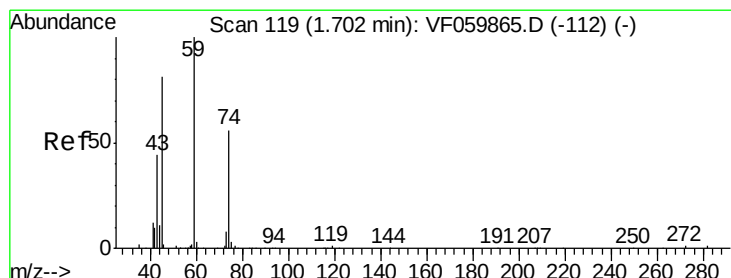
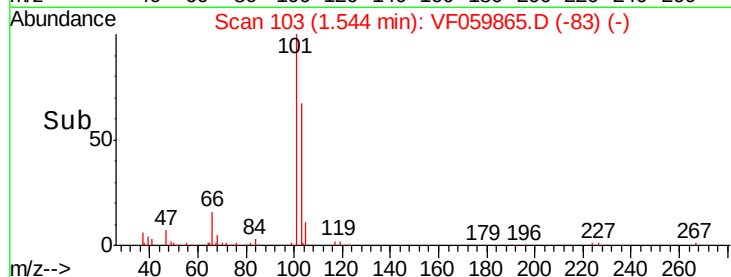
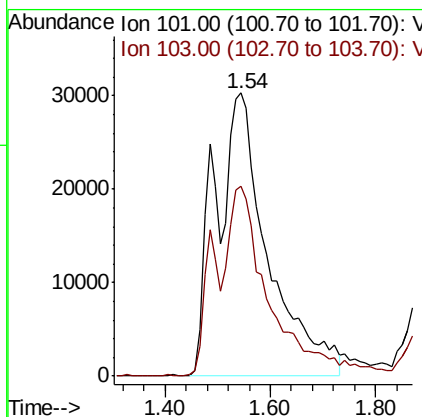
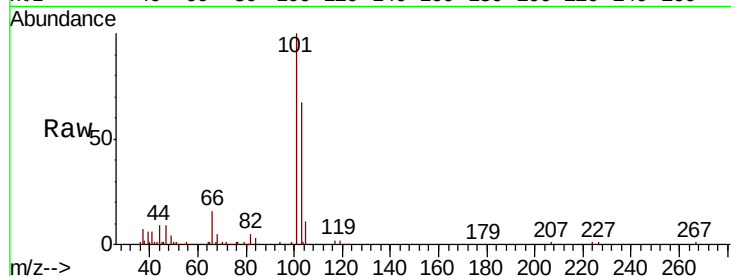
Trichlorofluoromethane
 Concen: 58.49 ug/l m
 RT: 1.54 min Scan# 103
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	53.6	80.4

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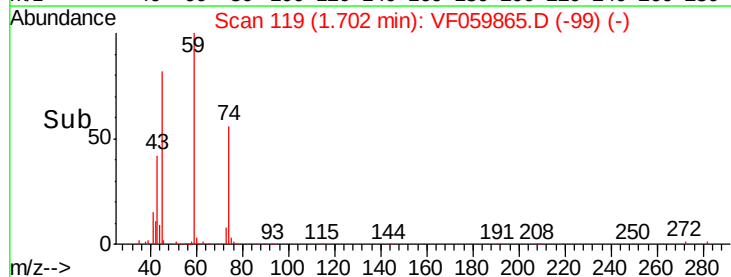
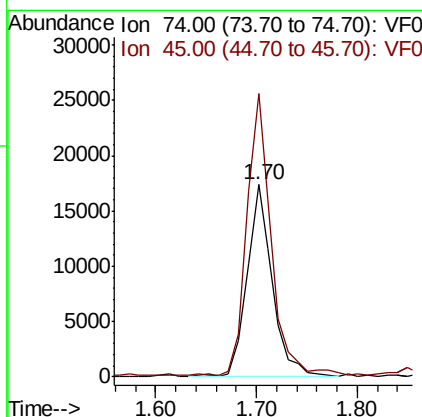
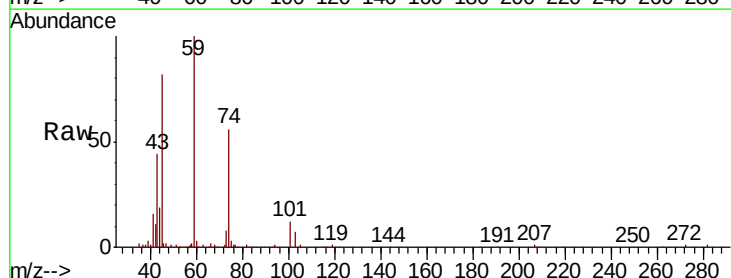
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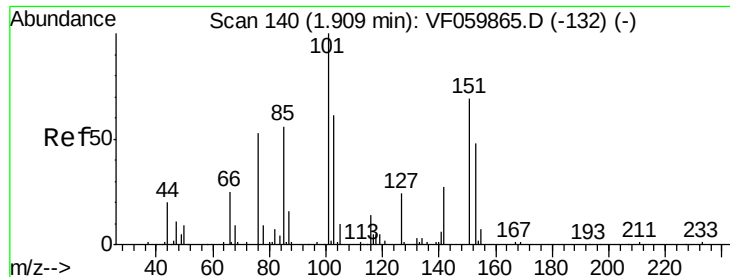


#8

Diethyl Ether
 Concen: 50.33 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	147.1	73.6	220.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.39 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

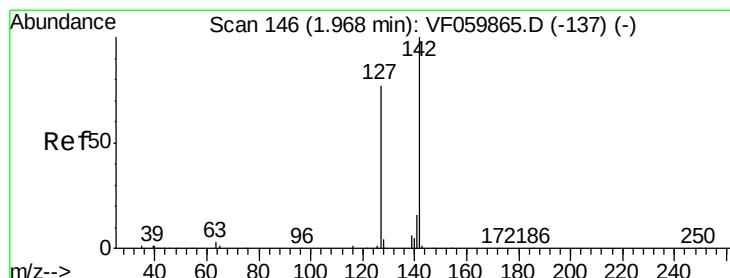
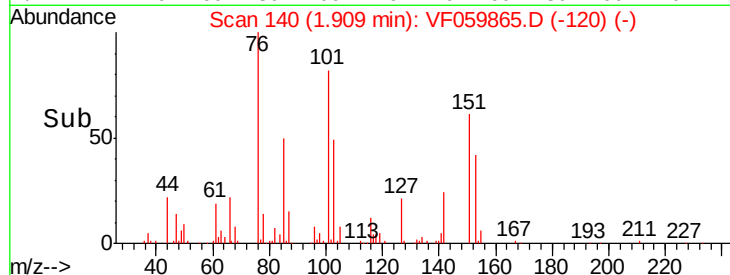
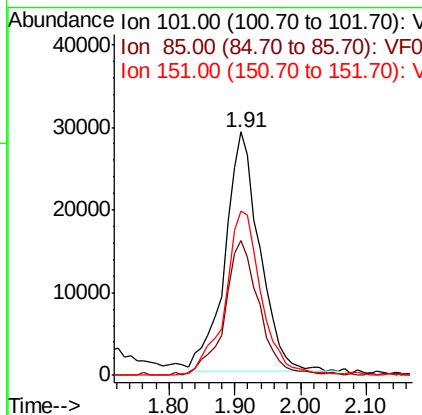
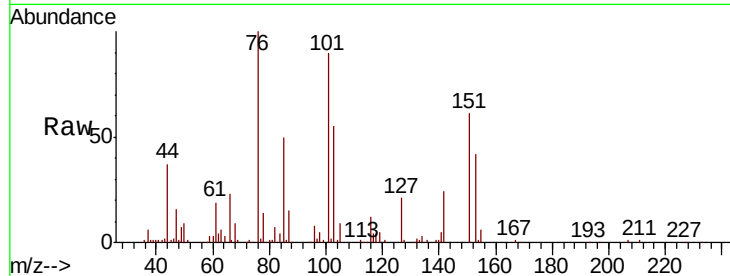
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	106779
Ion Ratio	Lower	Upper	
101	100		
85	55.6	44.5	66.7
151	67.3	53.8	80.8

Manual Integrations
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#10

Methyl Iodide

Concen: 55.83 ug/l m

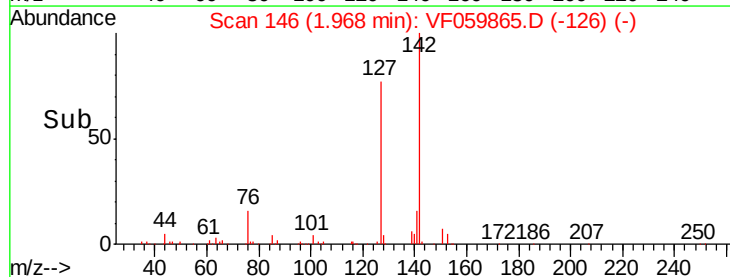
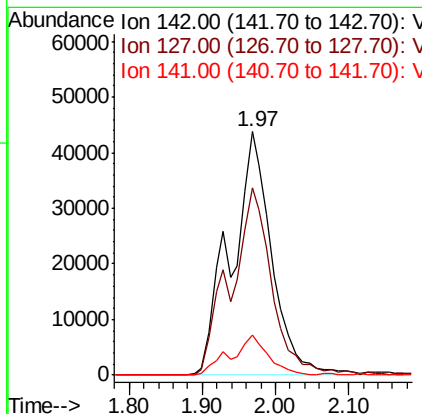
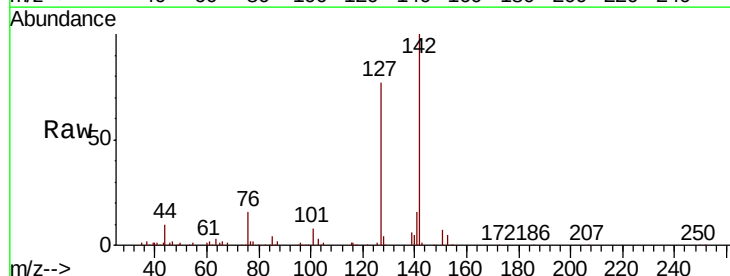
RT: 1.97 min Scan# 146

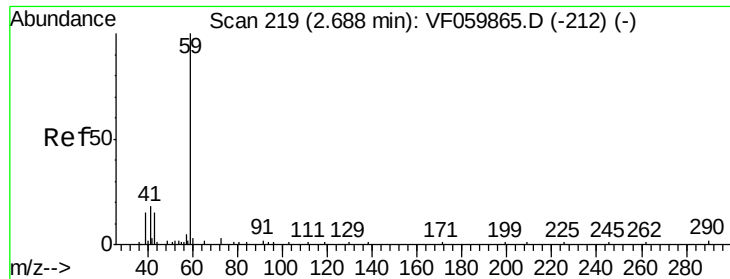
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion:	142	Resp:	167903
Ion Ratio	Lower	Upper	
142	100		
127	76.9	61.5	92.3
141	16.2	13.0	19.4





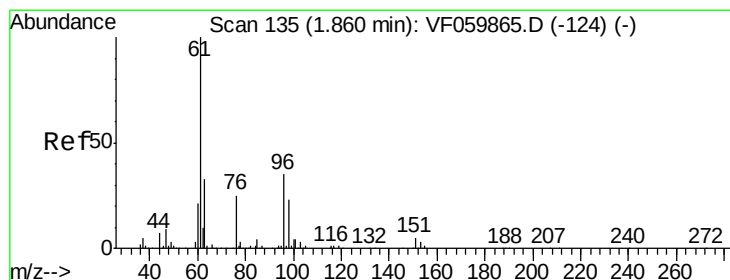
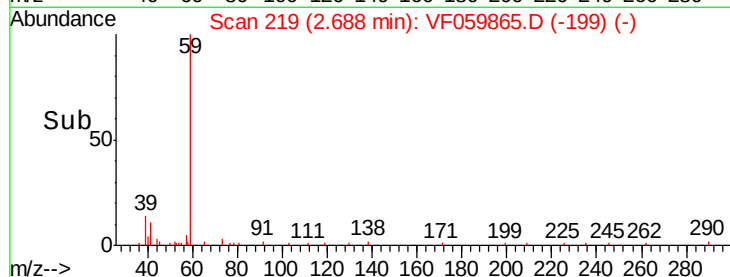
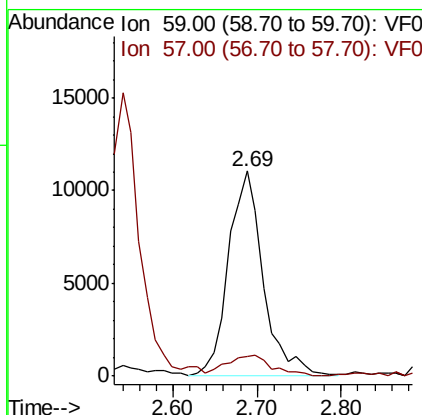
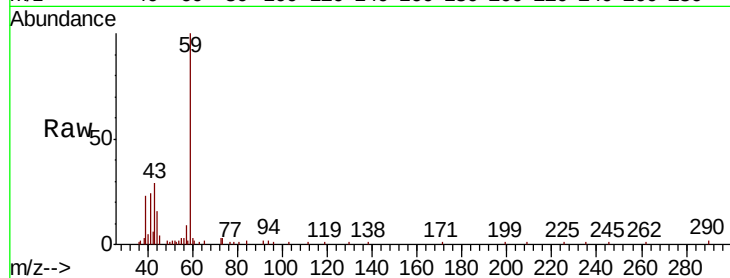
#11
Tert butyl alcohol
Concen: 215.26 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.6	11.4

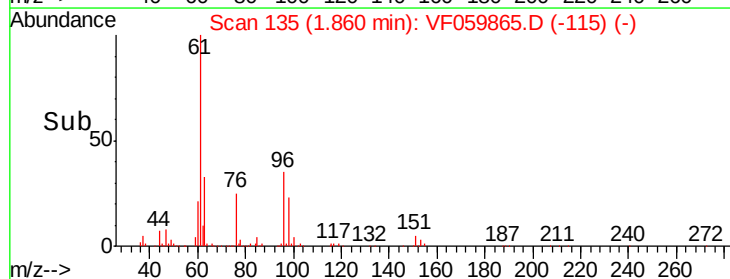
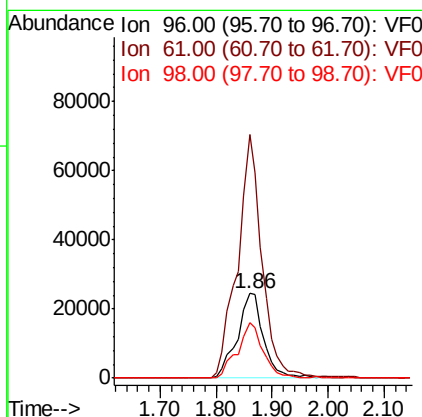
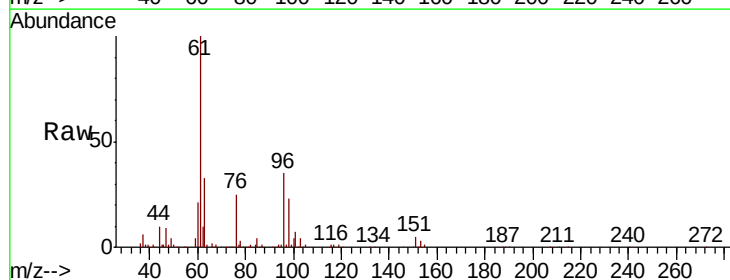
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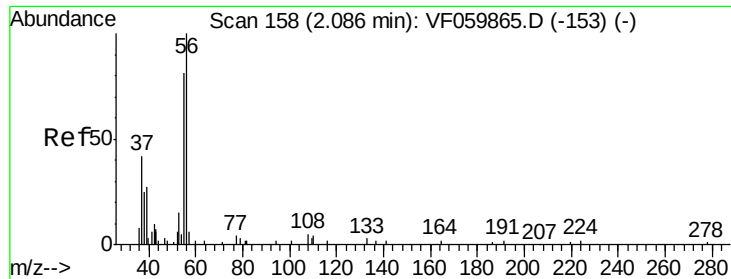
apatel
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#12
1,1-Dichloroethene
Concen: 53.11 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	287.7	230.2	345.2
98	65.9	52.7	79.1





#13

Acrolein

Concen: 300.44 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 19333

Ion Ratio Lower Upper

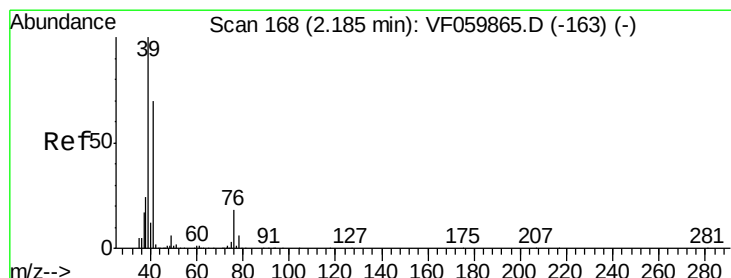
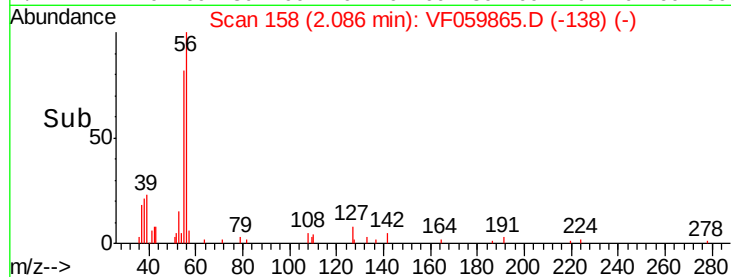
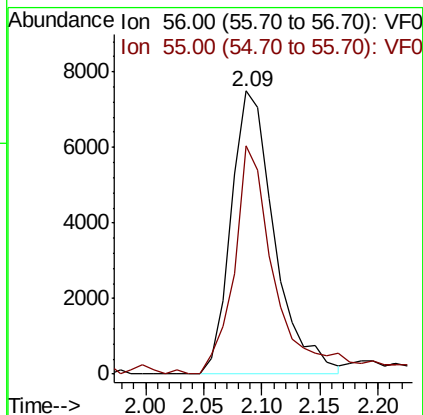
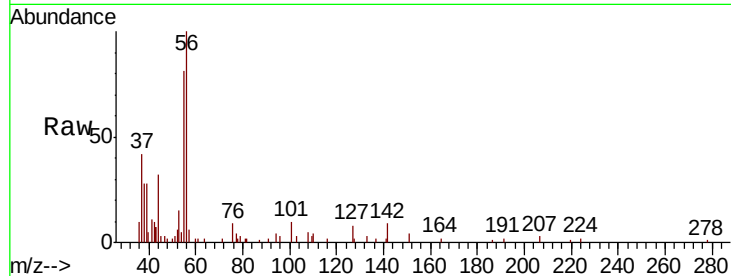
56 100

55 80.7 64.6 96.8

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#14

Allyl chloride

Concen: 55.08 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

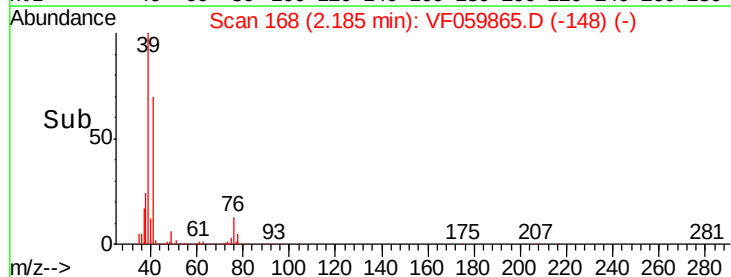
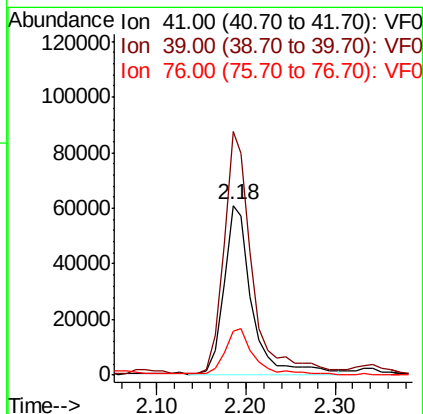
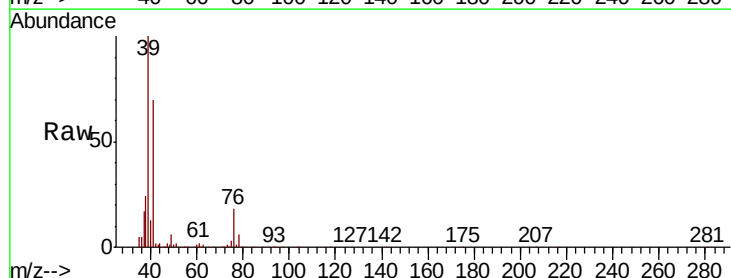
Tgt Ion: 41 Resp: 132940

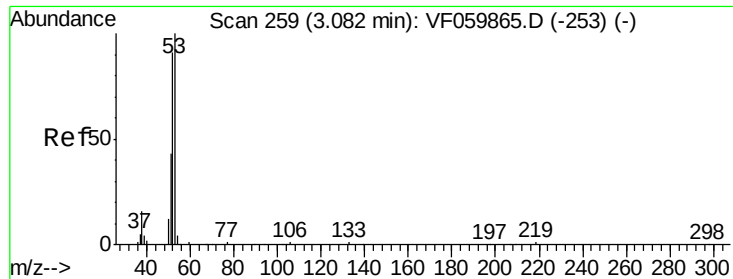
Ion Ratio Lower Upper

41 100

39 143.2 114.6 171.8

76 26.2 21.0 31.4





#15

Acrylonitrile

Concen: 257.47 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

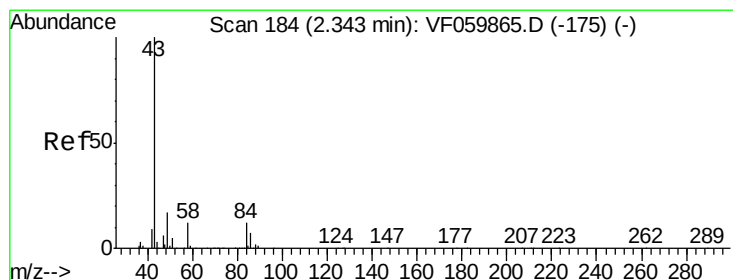
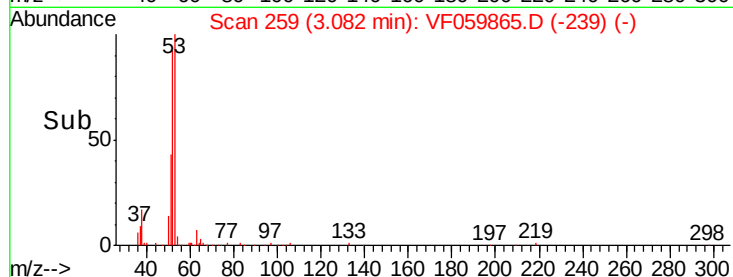
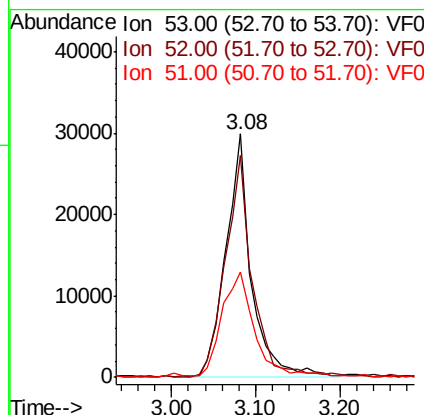
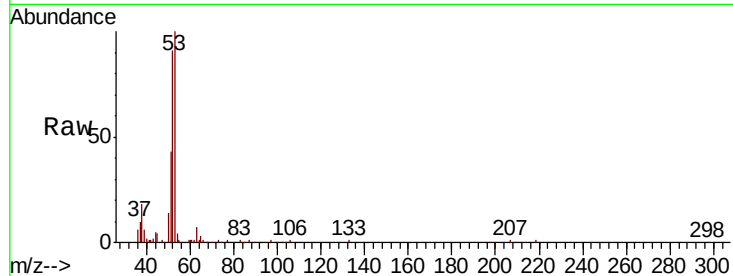
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	63179
Ion	Ratio	Lower	Upper
53	100		
52	91.1	72.9	109.3
51	43.1	34.5	51.7

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#16

Acetone

Concen: 244.36 ug/l

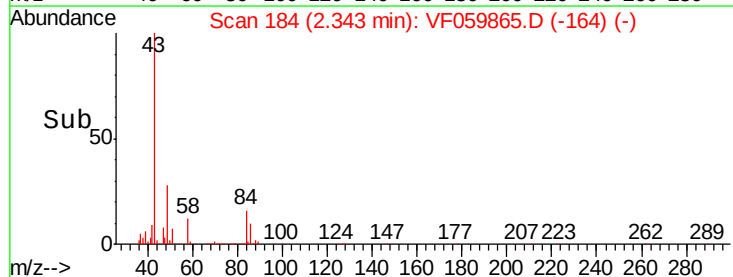
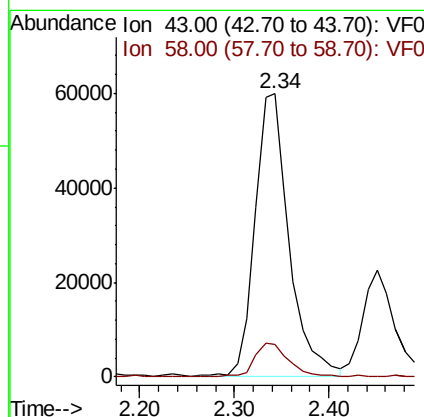
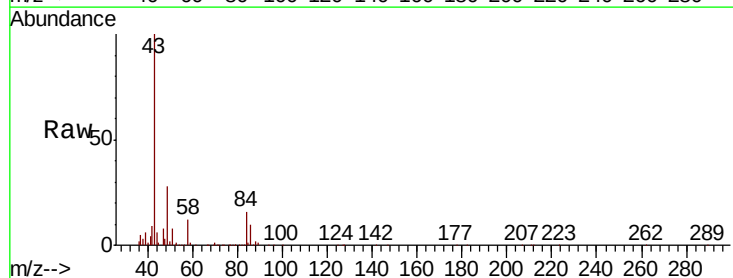
RT: 2.34 min Scan# 184

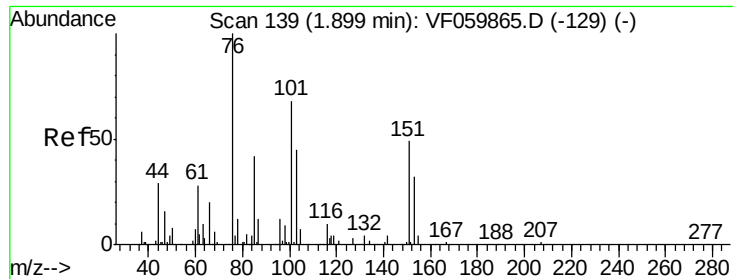
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion:	43	Resp:	148535
Ion	Ratio	Lower	Upper
43	100		
58	11.7	9.4	14.0





#17

Carbon Disulfide

Concen: 56.49 ug/l m

RT: 1.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF059865.D

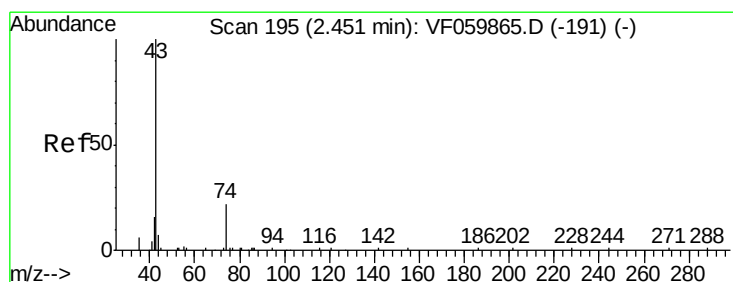
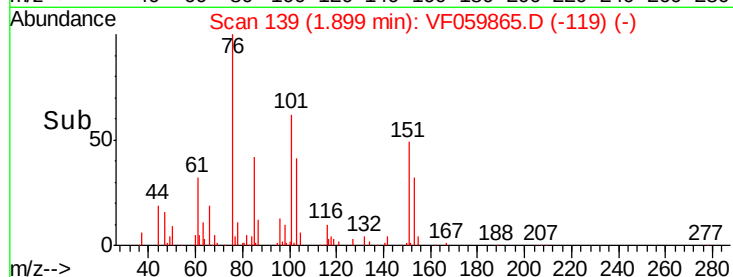
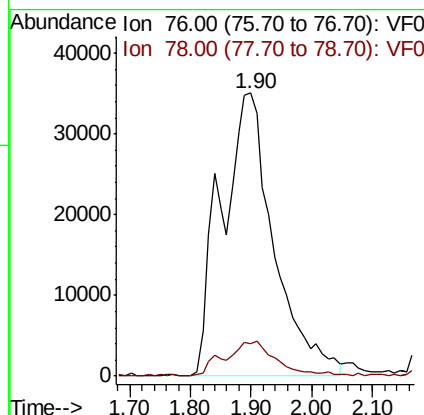
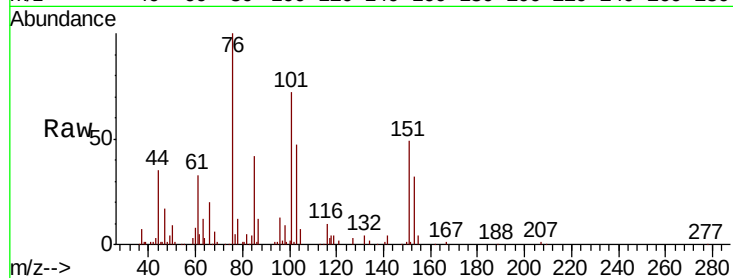
Acq: 4 Aug 2018 4:44

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.6	9.3	13.9

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

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#18

Methyl Acetate

Concen: 41.12 ug/l

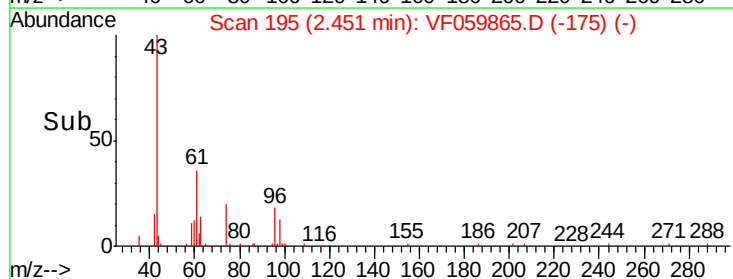
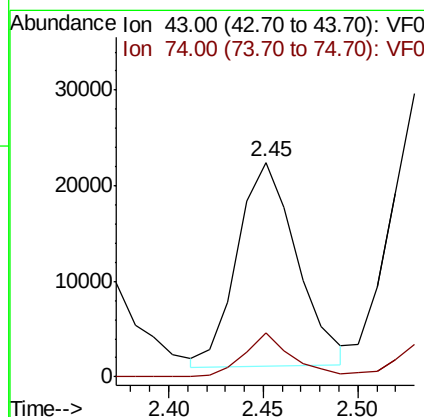
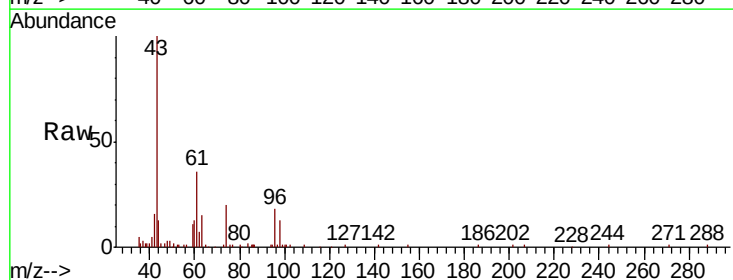
RT: 2.45 min Scan# 195

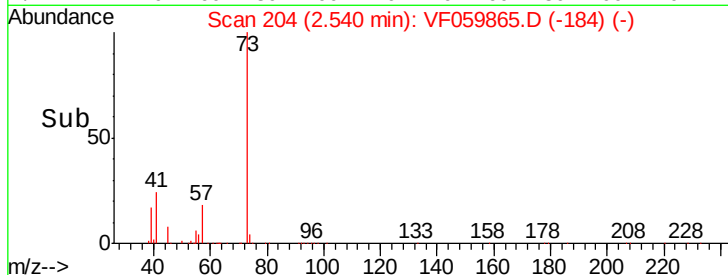
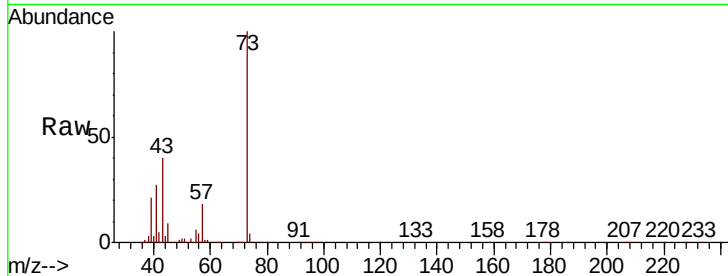
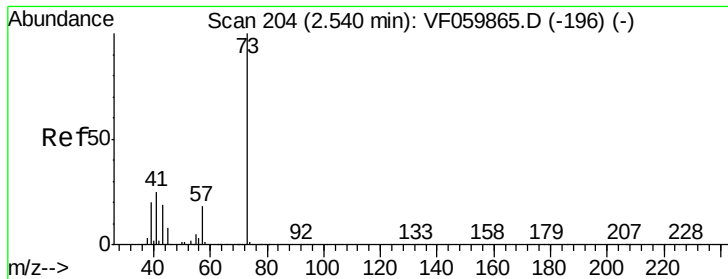
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.3	24.5





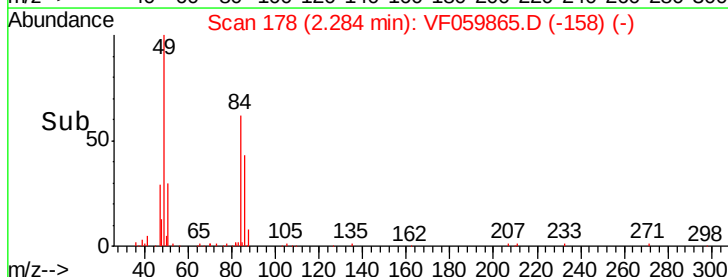
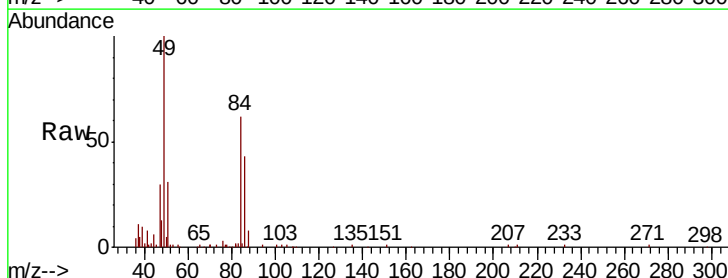
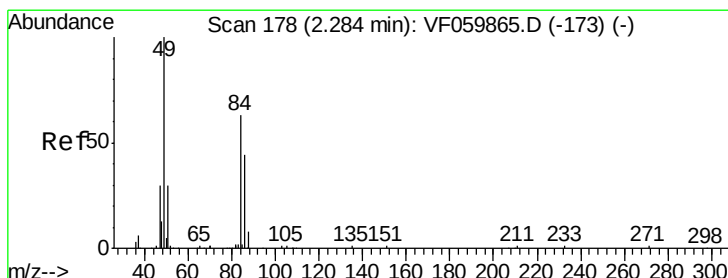
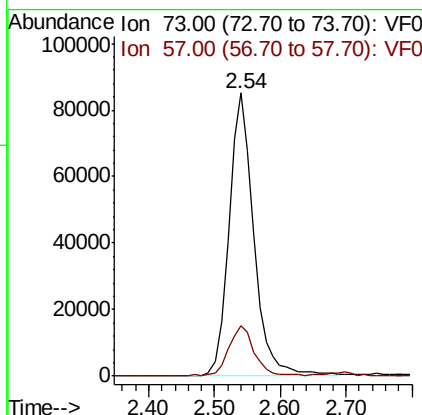
#19
Methyl tert-butyl Ether
Concen: 50.20 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tot Ion: 73 Resp: 224236
Ion Ratio Lower Upper
73 100
57 17.9 14.3 21.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

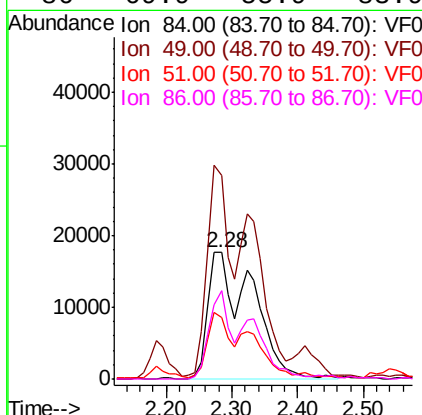
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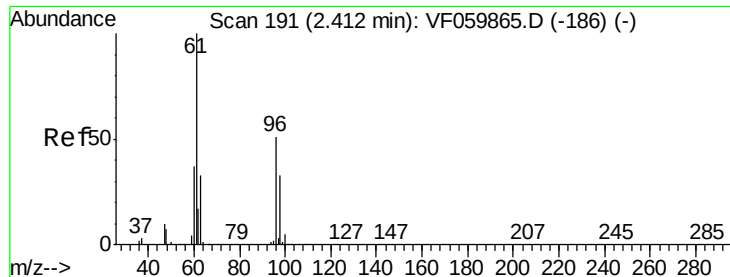
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#20
Methylene Chloride
Concen: 47.13 ug/l m
RT: 2.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion: 84 Resp: 82019
Ion Ratio Lower Upper
84 100
49 160.9 128.7 193.1
51 49.1 39.3 58.9
86 69.9 55.9 83.9





#21

trans-1,2-Dichloroethene

Concen: 51.86 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

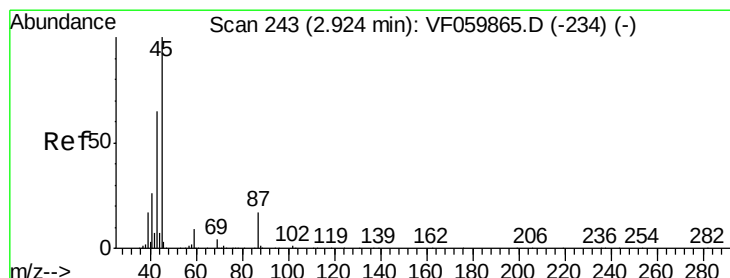
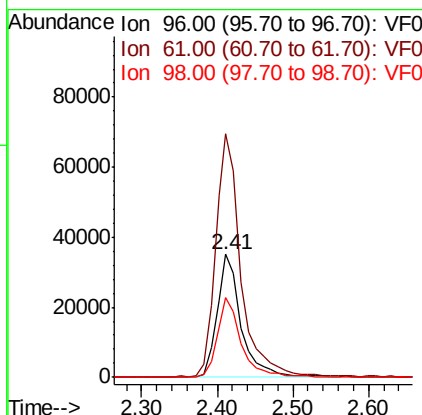
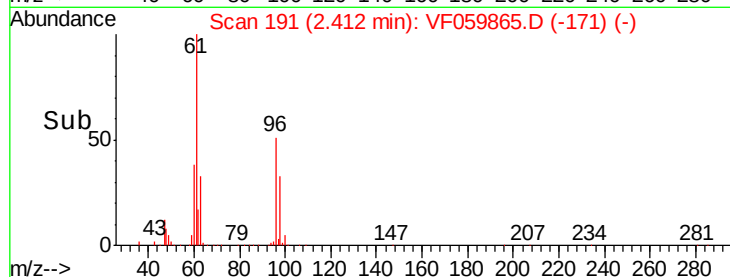
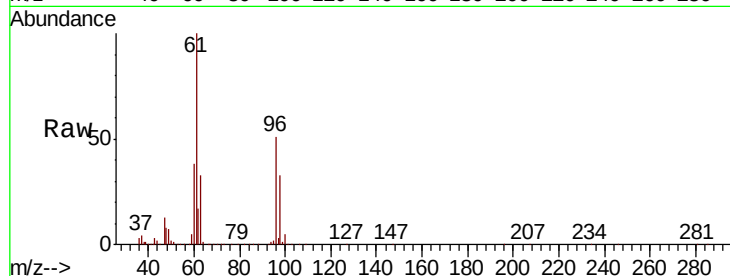
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	78207
Ion Ratio	Lower	Upper	
96	100		
61	197.8	158.2	237.4
98	65.0	52.0	78.0

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#22

Diisopropyl ether

Concen: 52.31 ug/l

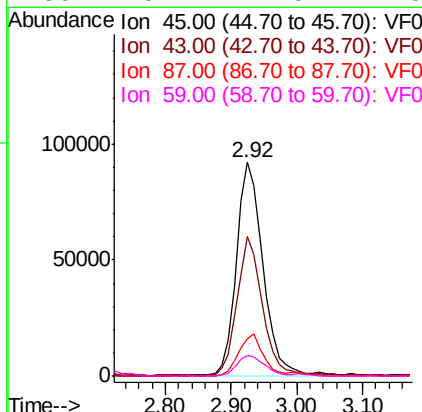
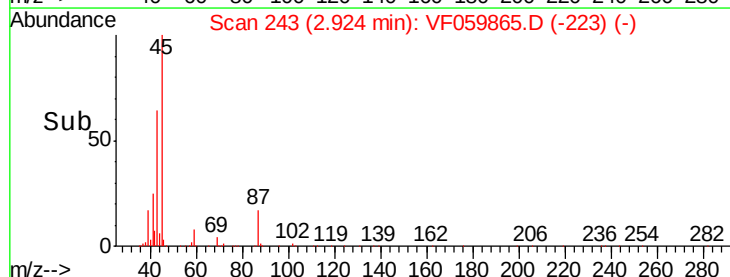
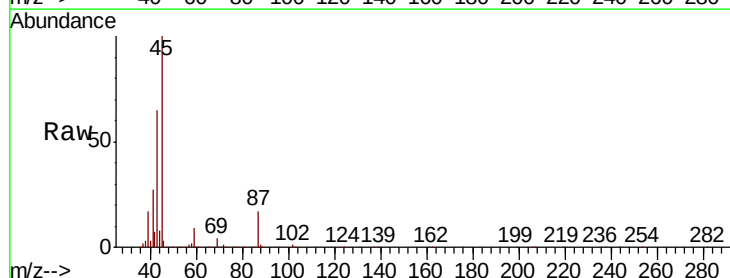
RT: 2.92 min Scan# 243

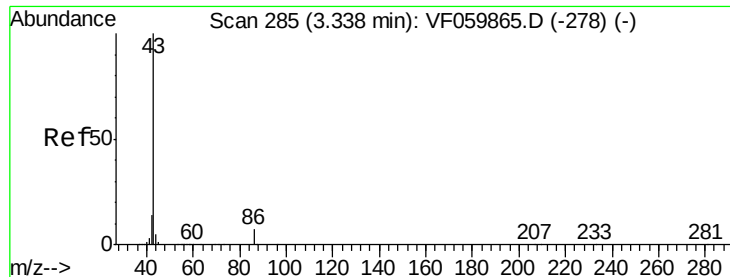
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion:	45	Resp:	261917
Ion Ratio	Lower	Upper	
45	100		
43	65.1	52.1	78.1
87	17.3	13.8	20.8
59	9.4	7.5	11.3





#23

Vinyl Acetate

Concen: 260.54 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 662473

Ion Ratio Lower Upper

43 100

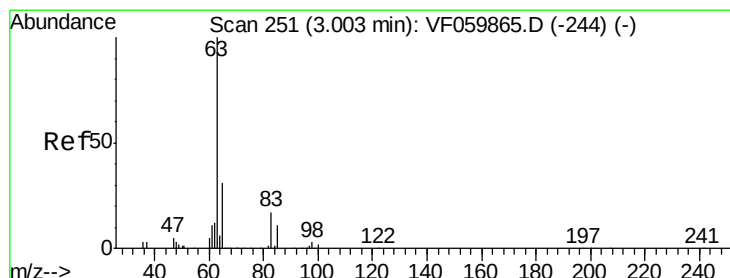
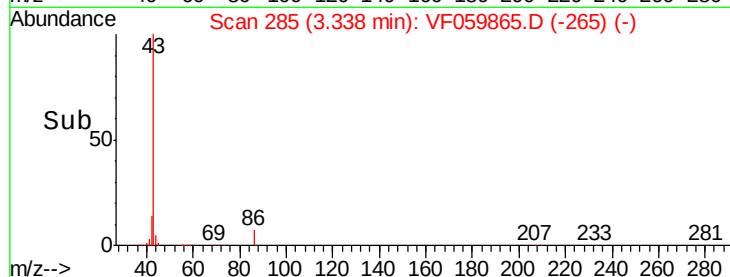
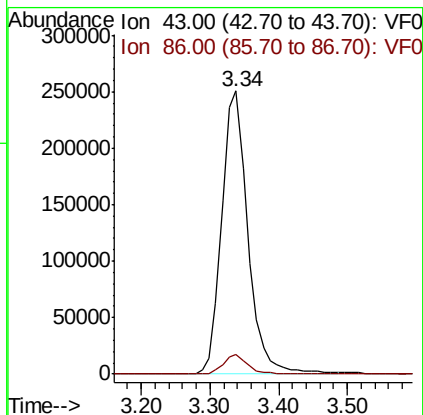
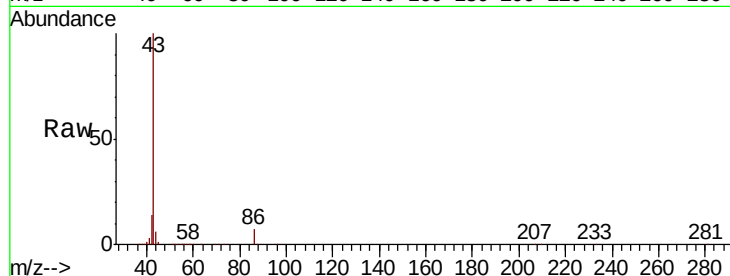
86 7.0 5.6 8.4

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#24

1,1-Dichloroethane

Concen: 53.64 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

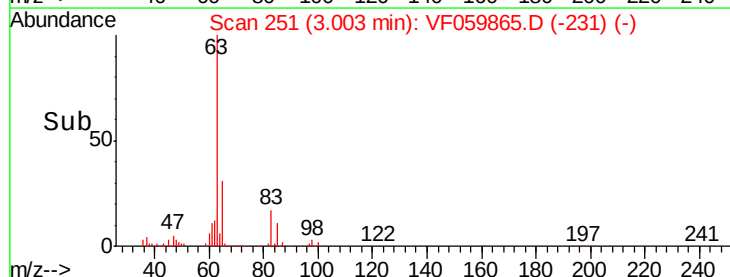
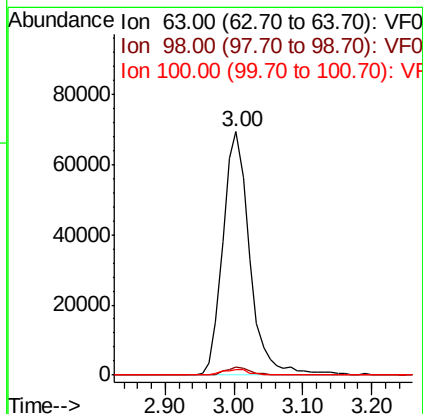
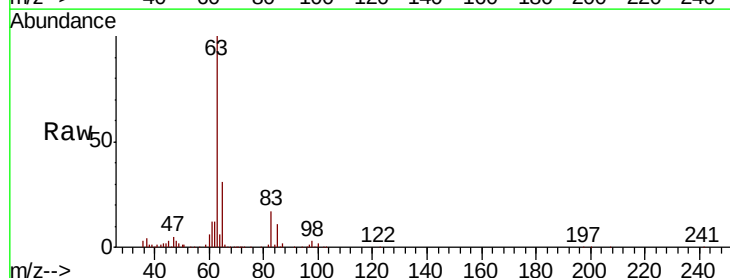
Tgt Ion: 63 Resp: 188260

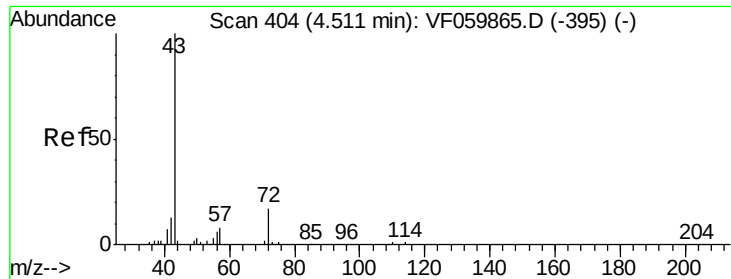
Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

100 2.3 1.1 3.5





#25

2-Butanone

Concen: 250.36 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tot Ion: 43 Resp: 163936

Ion Ratio Lower Upper

43 100

72 17.4 13.9 20.9

Instrument :

MSVOA_F

ClientSampleId :

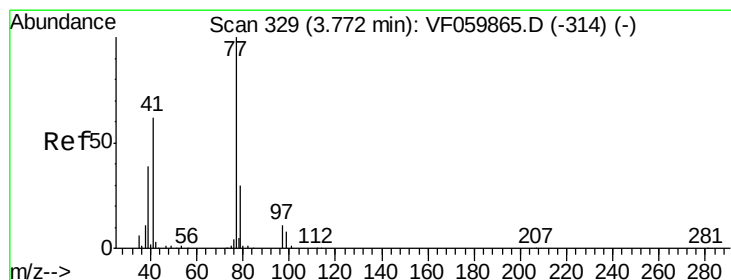
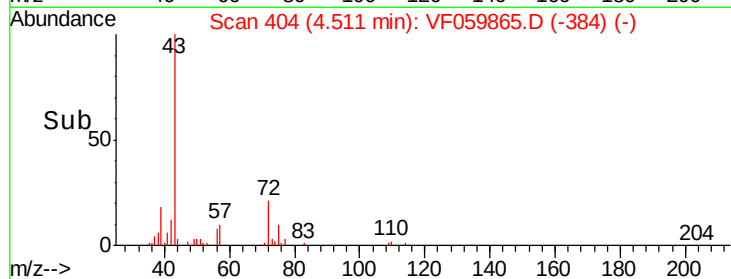
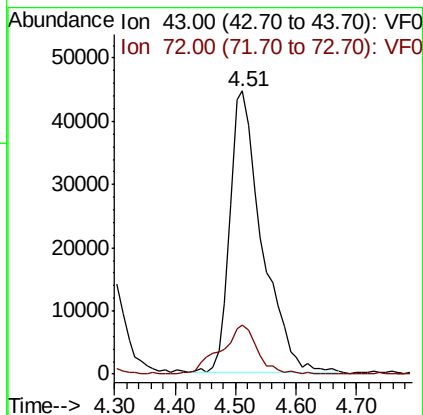
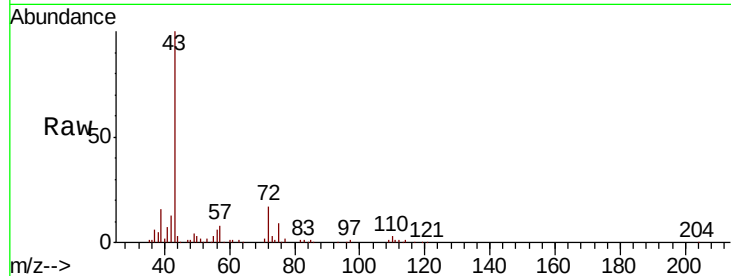
VSTDICCC050

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#26

2,2-Dichloropropane

Concen: 46.95 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059865.D

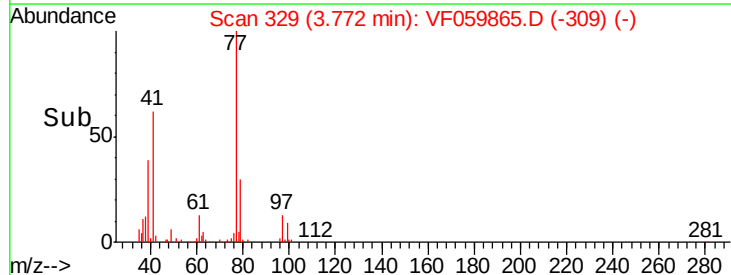
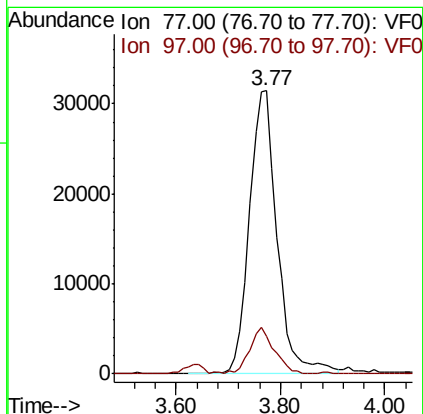
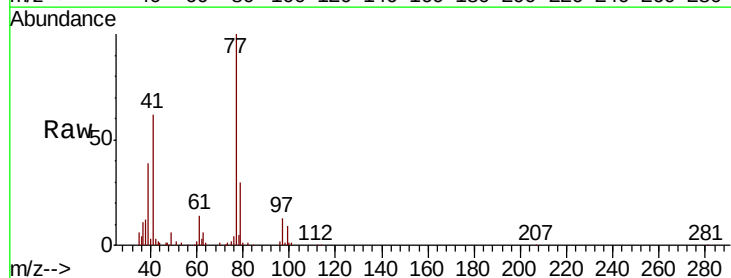
Acq: 4 Aug 2018 4:44

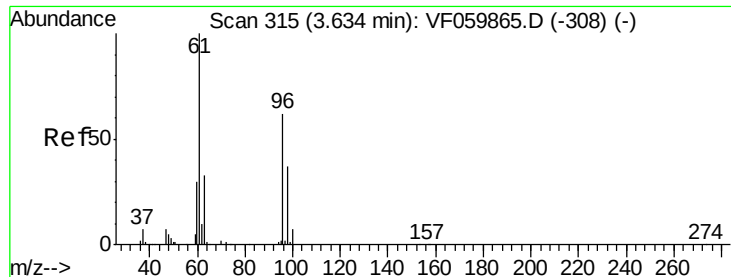
Tgt Ion: 77 Resp: 113439

Ion Ratio Lower Upper

77 100

97 13.5 6.8 20.3





#27

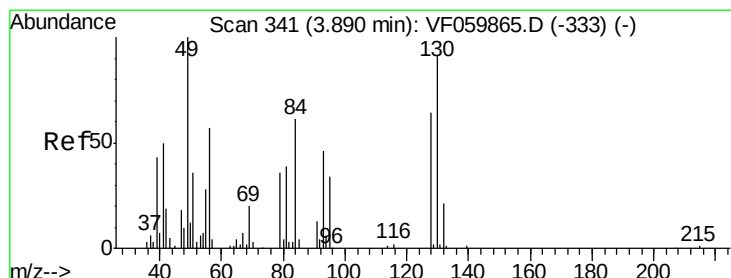
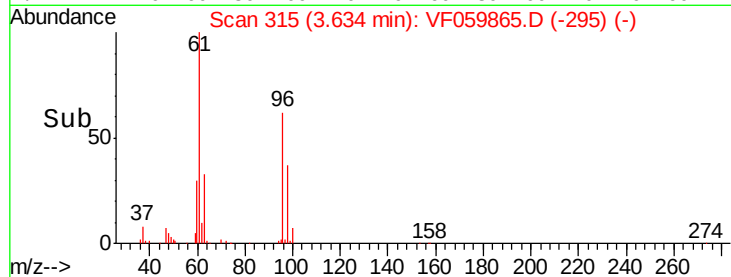
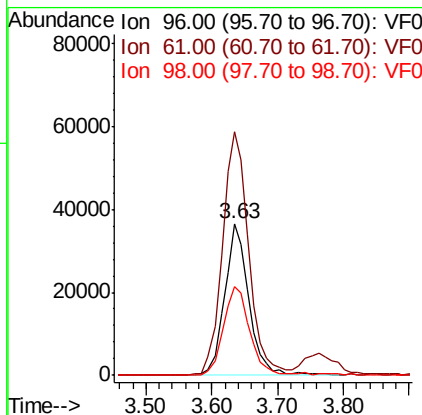
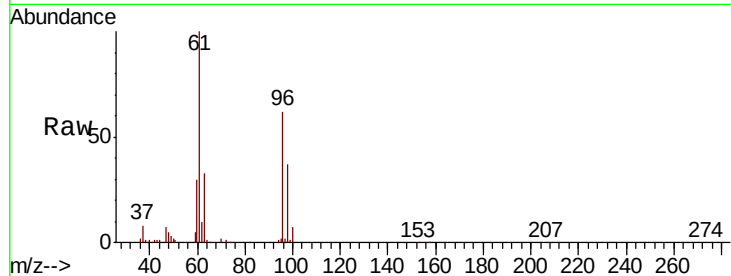
cis-1,2-Dichloroethene
Concen: 51.10 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	320.8
98	58.8	0.0	117.6

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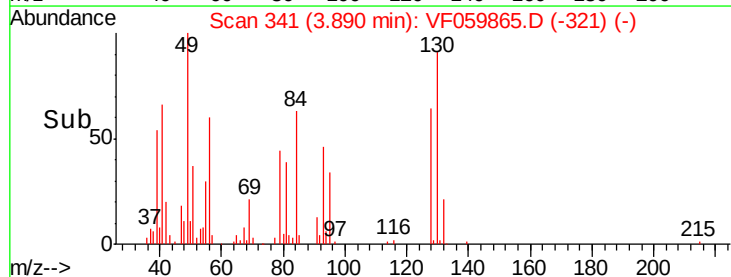
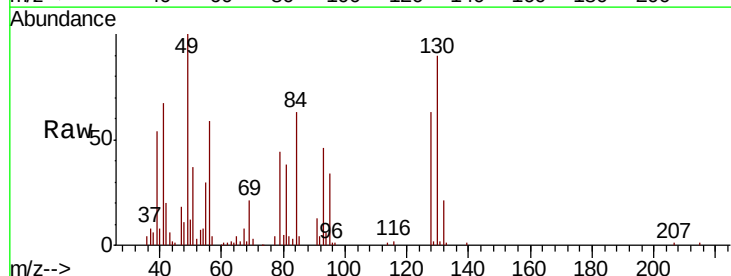
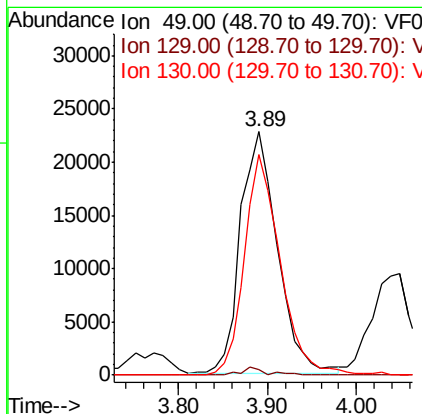
apatel
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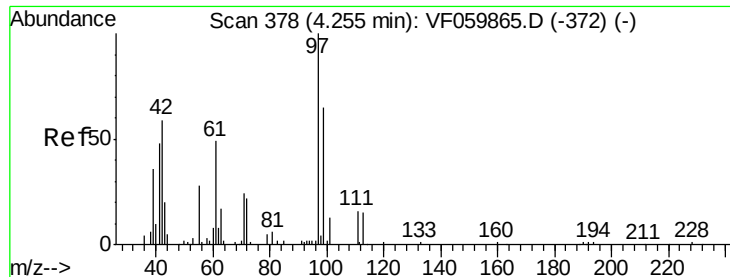


#28

Bromochloromethane
Concen: 48.18 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	92.3	73.8	110.8





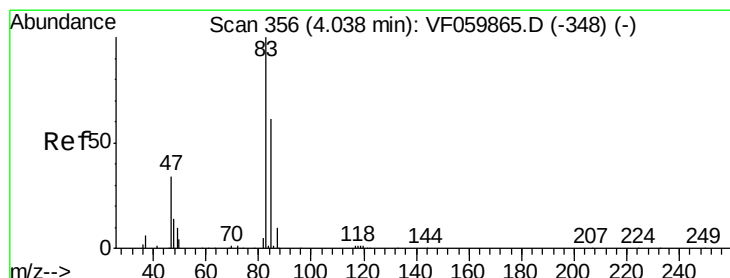
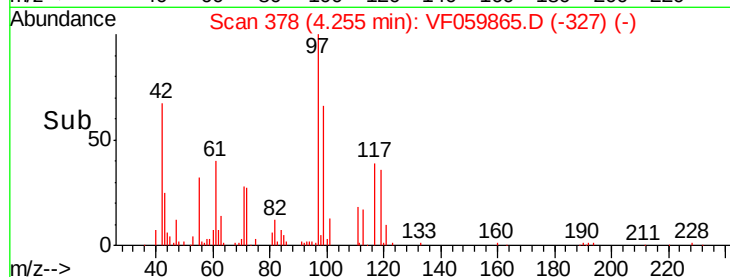
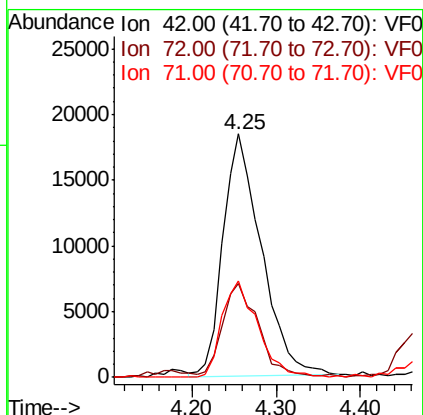
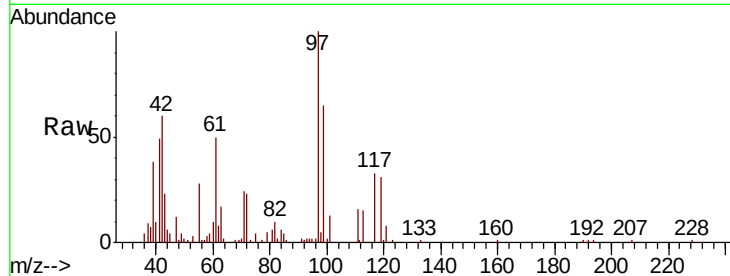
#29
Tetrahydrofuran
Concen: 225.97 ug/l
RT: 4.25 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.3	43.9
71	37.5	30.0	45.0

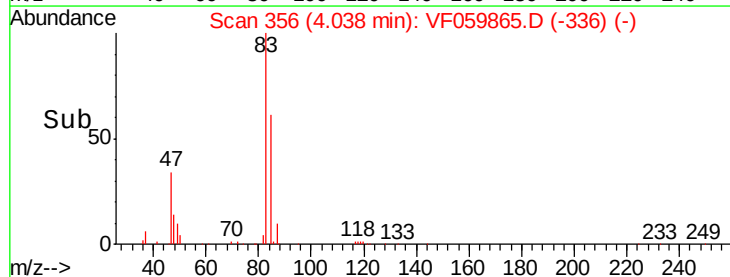
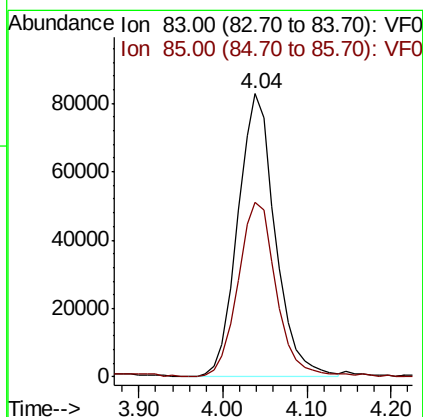
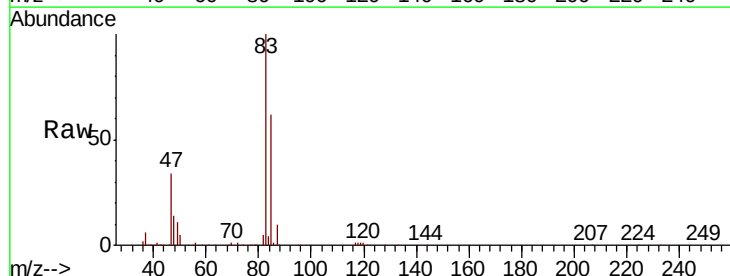
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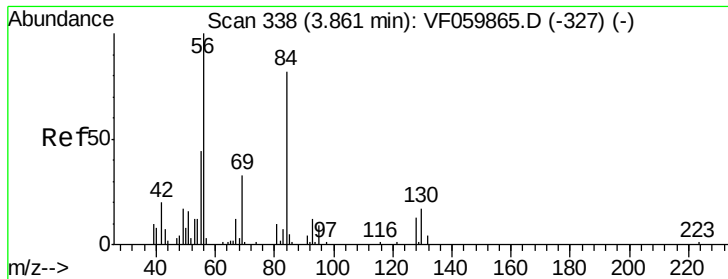
apatel
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#30
Chloroform
Concen: 52.40 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.3	73.9





#31

Cyclohexane

Concen: 51.44 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

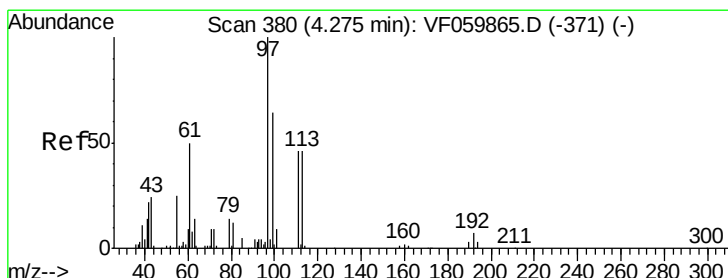
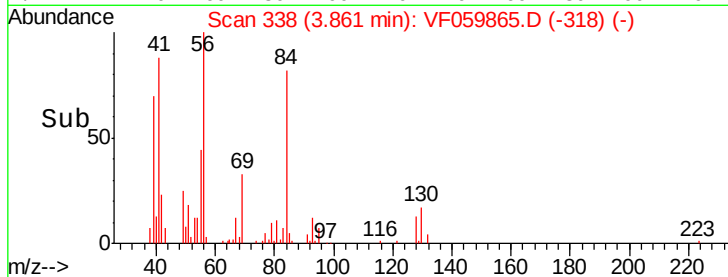
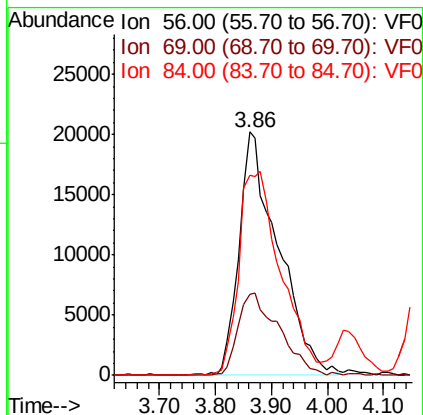
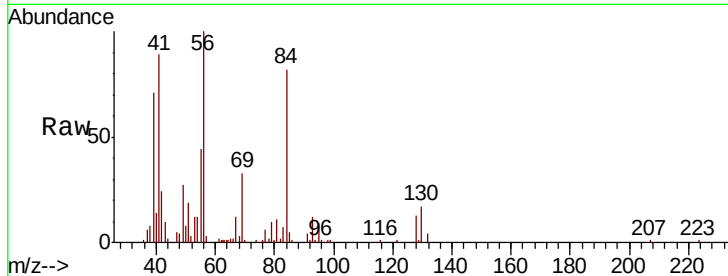
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	97889
Ion Ratio	Lower	Upper	
56	100		
69	33.4	26.7	40.1
84	82.4	65.9	98.9

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#32

1,1,1-Trichloroethane

Concen: 54.05 ug/l

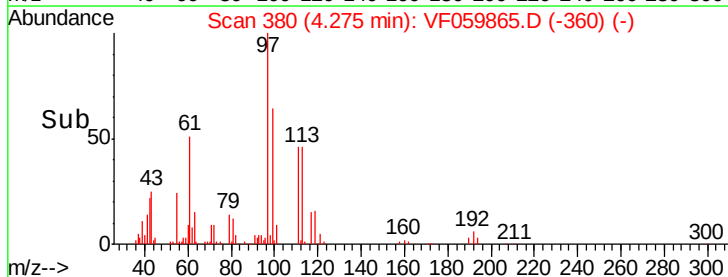
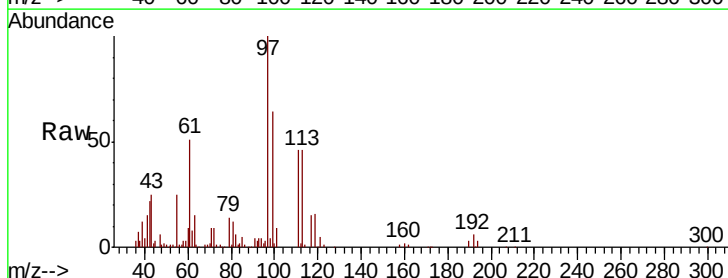
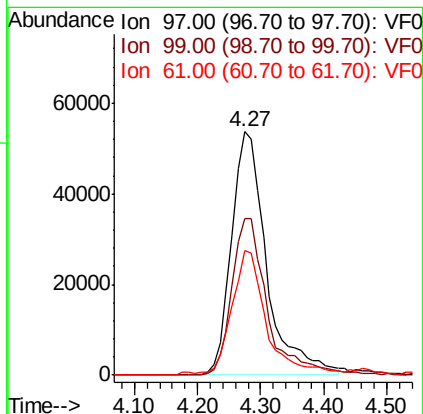
RT: 4.27 min Scan# 380

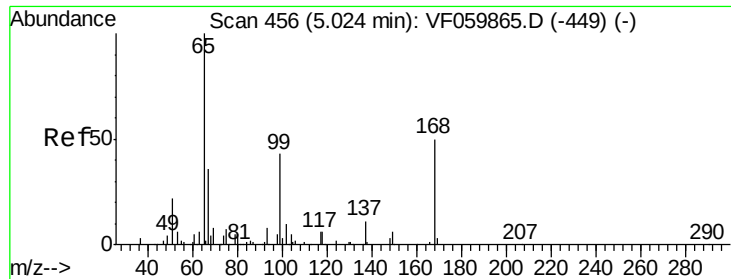
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion:	97	Resp:	207446
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.4	77.2
61	51.0	40.8	61.2





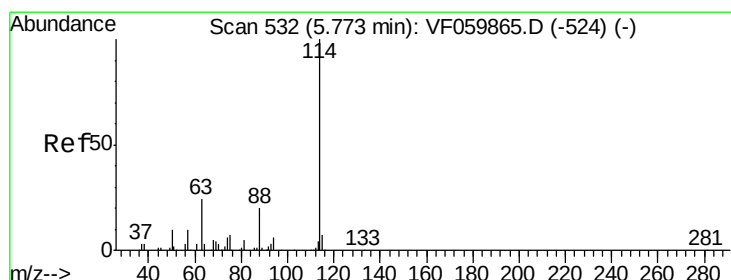
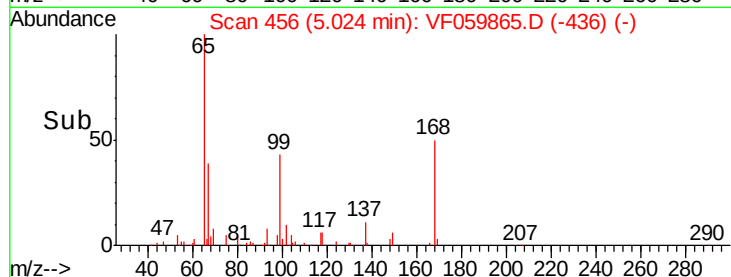
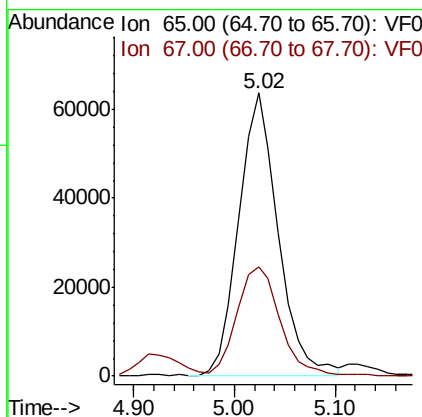
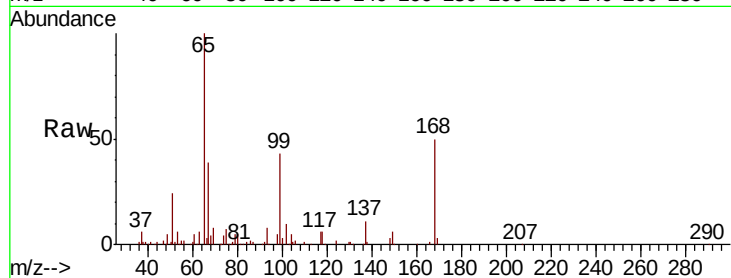
#33
 1,2-Dichloroethane-d4
 Concen: 51.02 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	38.6	0.0	77.2

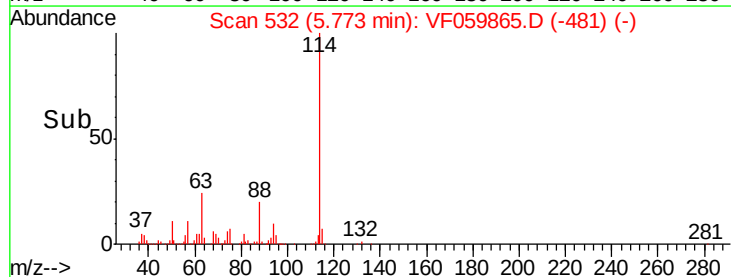
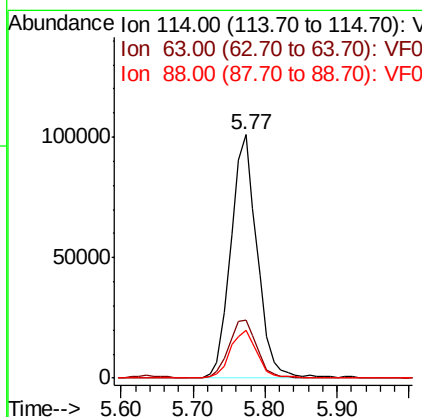
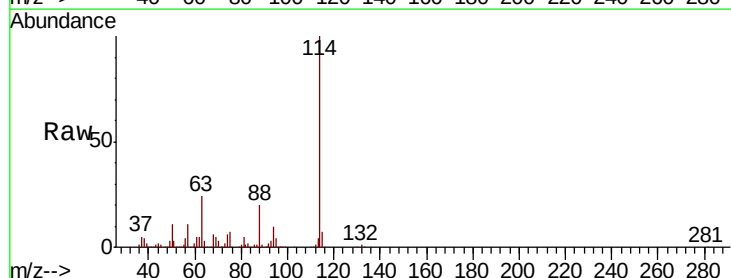
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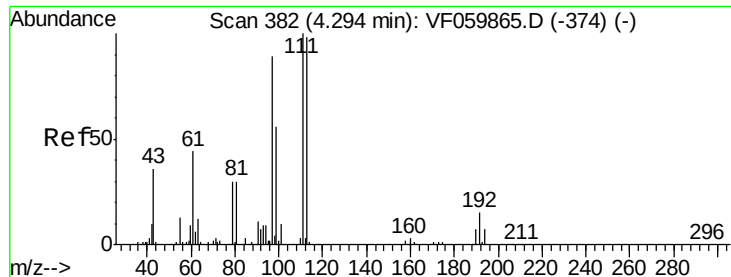
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	48.0
88	19.7	0.0	39.4





#35

Dibromofluoromethane

Concen: 49.29 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

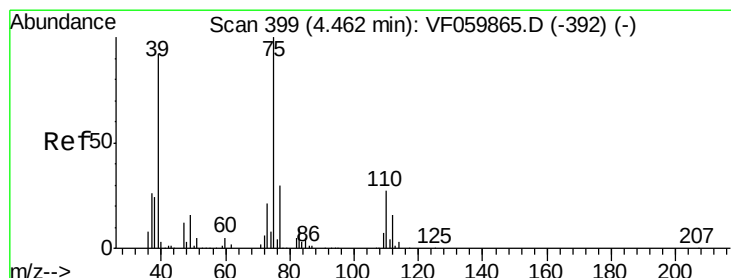
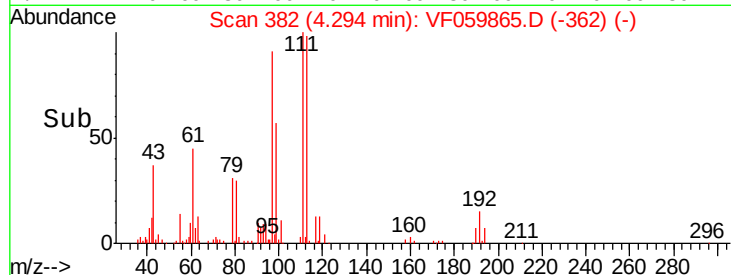
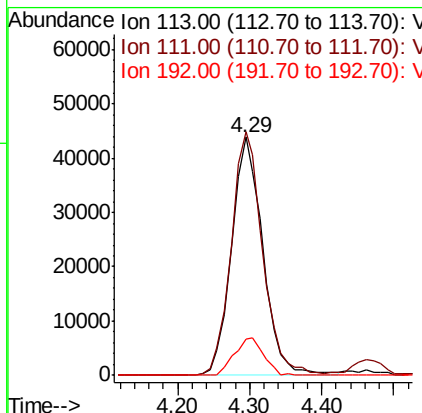
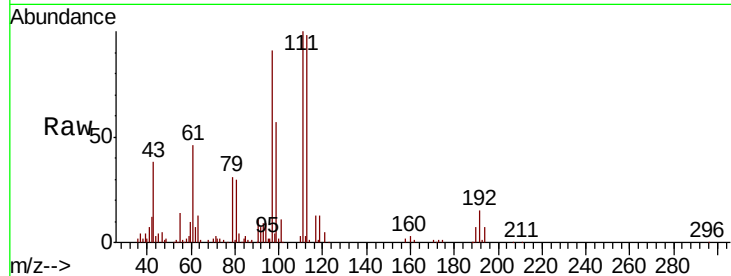
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	132712
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.8	122.8
192	15.5	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 51.95 ug/l

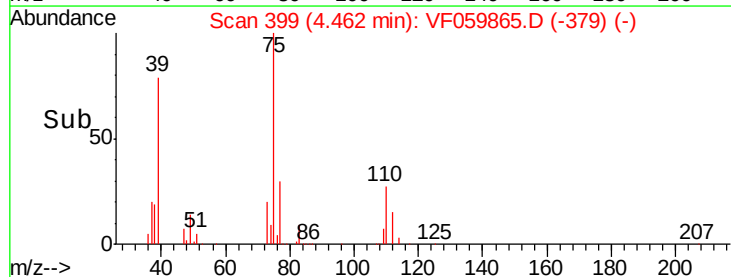
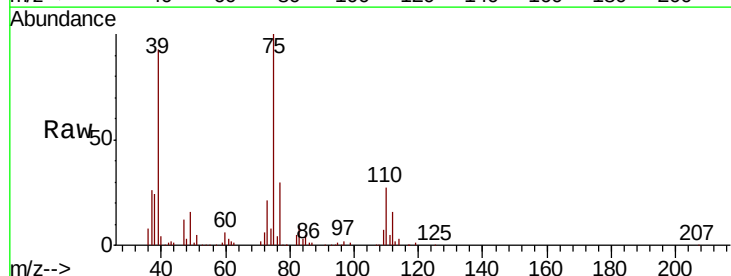
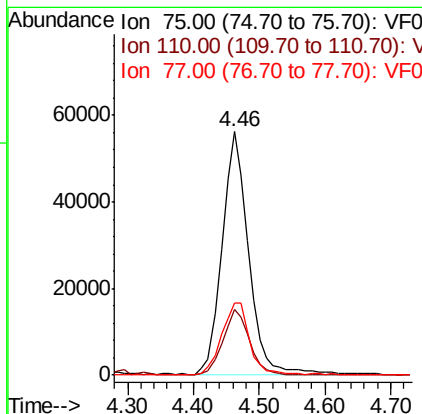
RT: 4.46 min Scan# 399

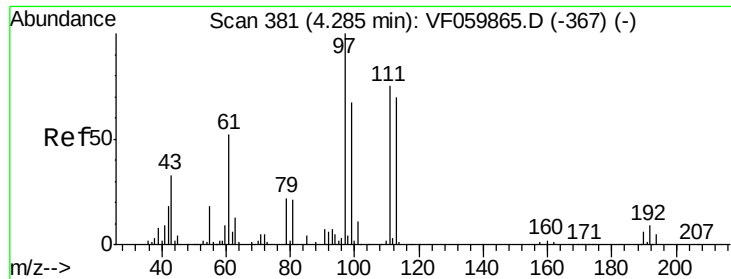
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion:	75	Resp:	159095
Ion Ratio	Lower	Upper	
75	100		
110	27.1	13.6	40.7
77	29.6	23.7	35.5





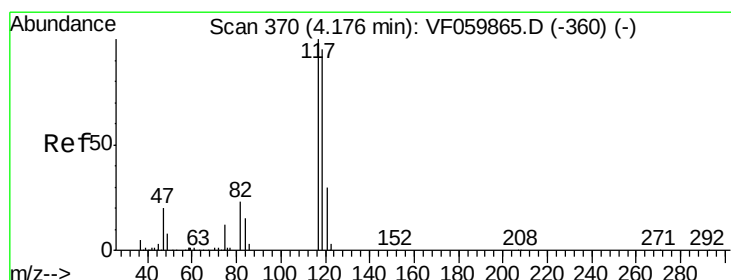
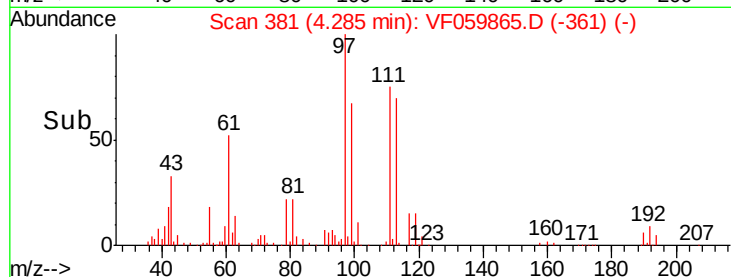
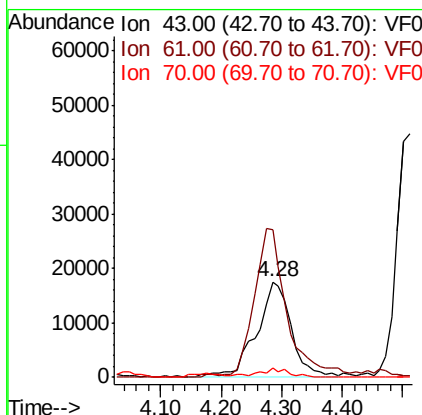
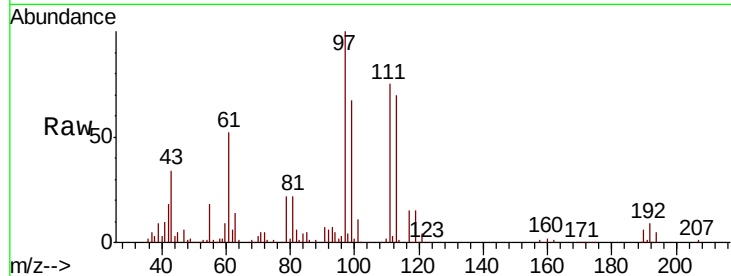
#37
Ethyl Acetate
Concen: 45.81 ug/l
RT: 4.28 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70	Ratio	100	154.6	9.8	Resp	68279	Lower	Upper
43	100										
61		154.6				123.7				185.5	
70			9.8			7.8				11.8	

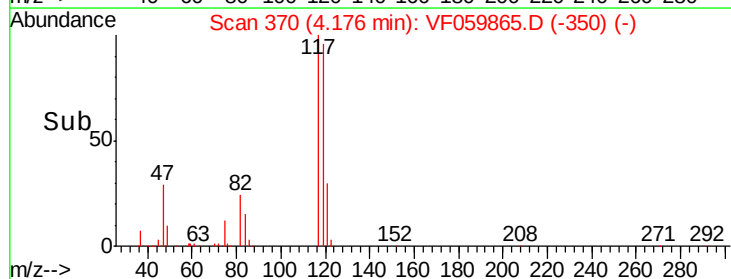
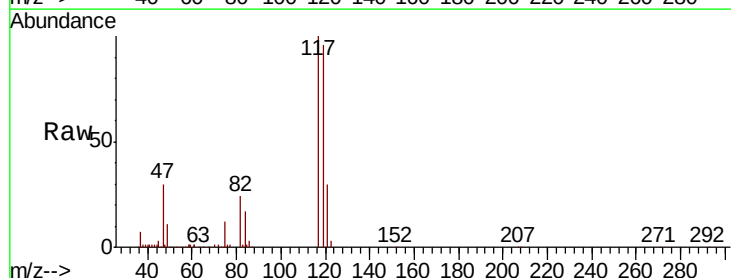
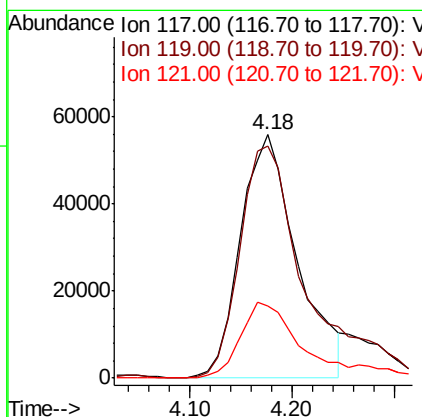
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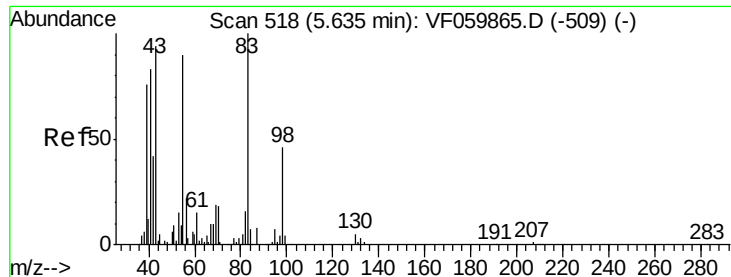
apatel
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#38
Carbon Tetrachloride
Concen: 51.24 ug/l m
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	117	119	121	Ratio	100	95.6	29.8	Resp	215178	Lower	Upper
117	100										
119		95.6				76.5				114.7	
121			29.8			23.8				35.8	





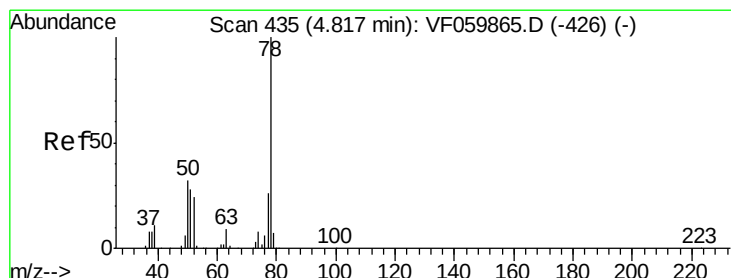
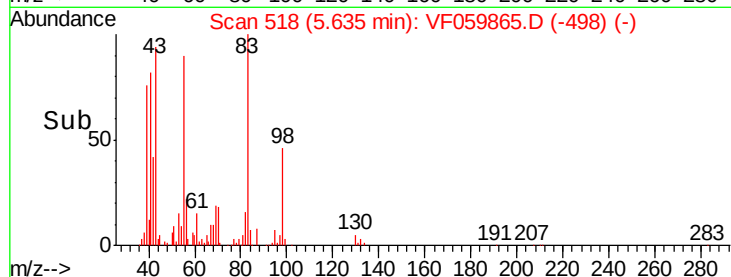
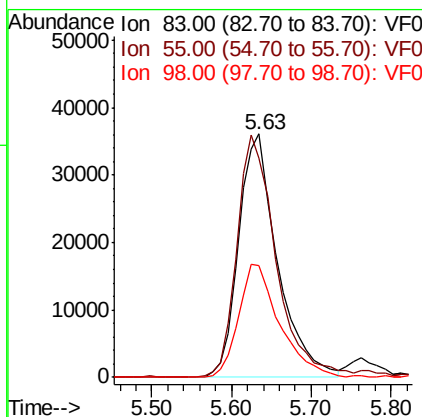
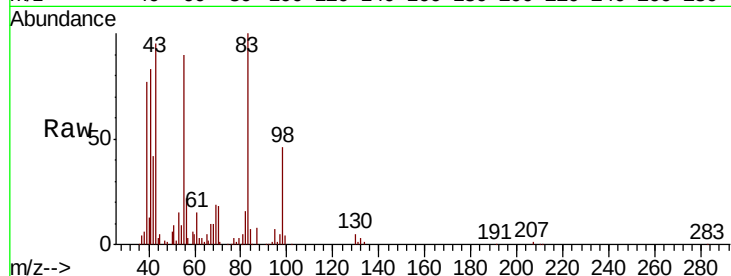
#39
Methylvlcyclohexane
Concen: 52.75 ug/l
RT: 5.63 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.0	72.0	108.0
98	45.7	36.6	54.8

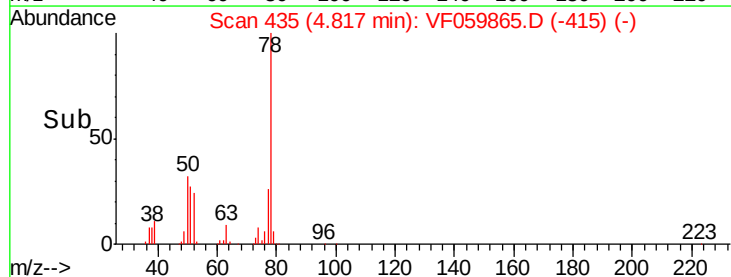
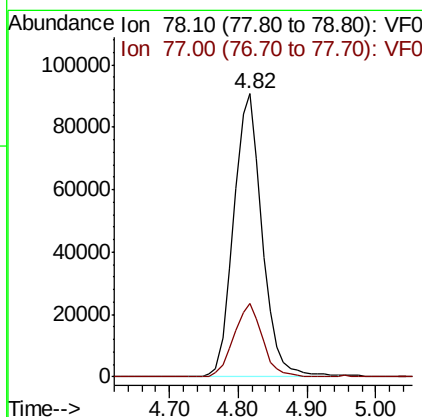
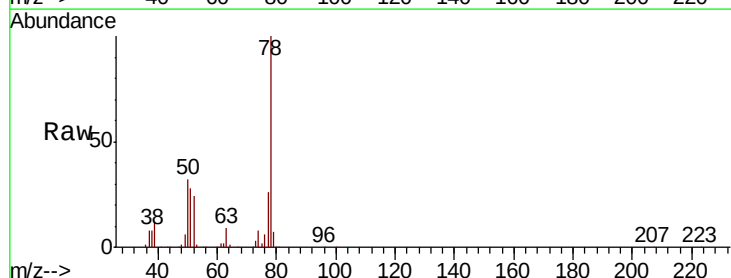
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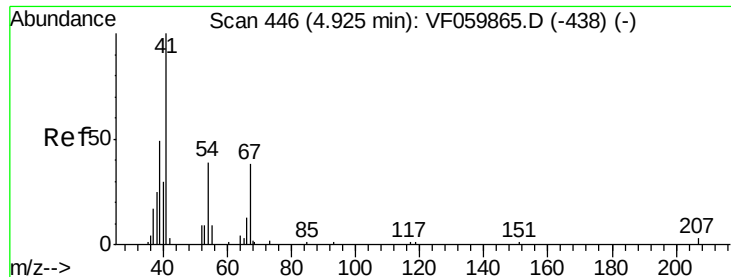
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#40
Benzene
Concen: 49.02 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	20.7	31.1





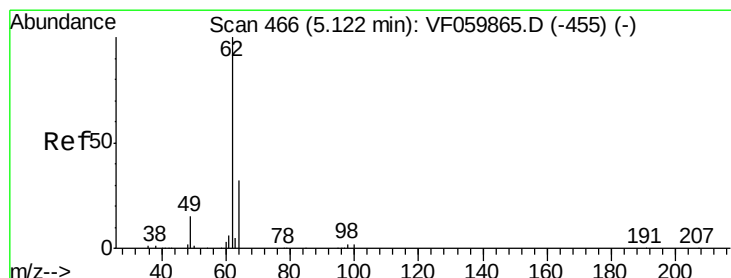
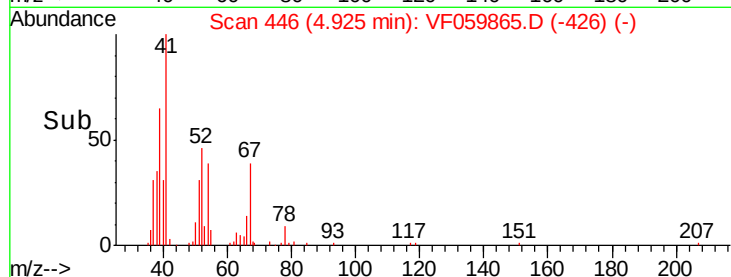
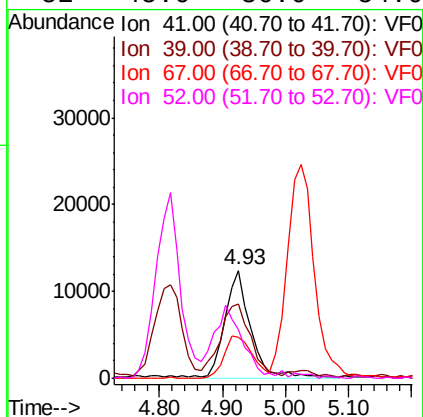
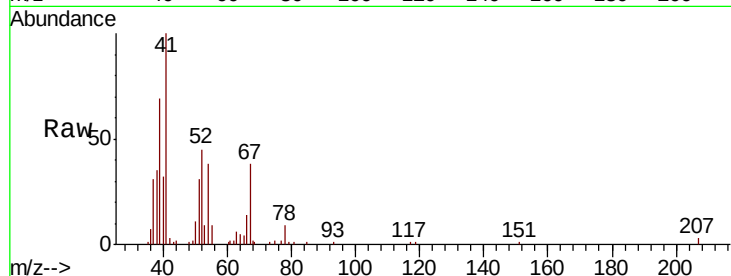
#41
Methacrylonitrile
Concen: 48.42 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		35459		
39	68.9	55.1	82.7		
67	37.9	30.3	45.5		
52	45.0	36.0	54.0		

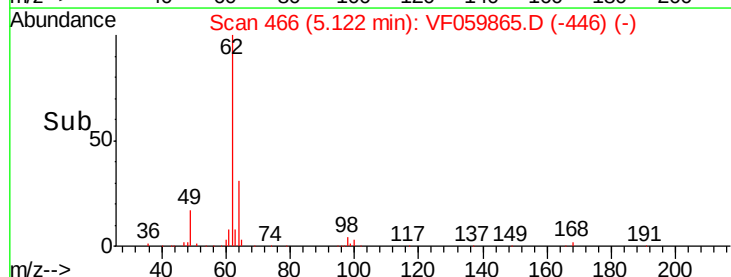
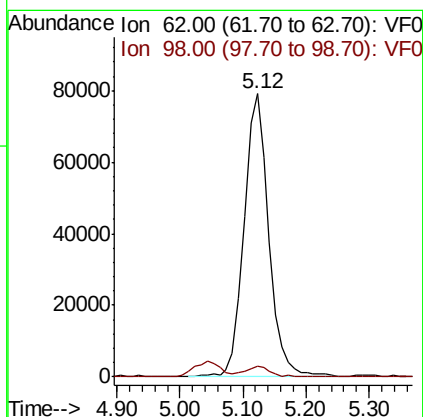
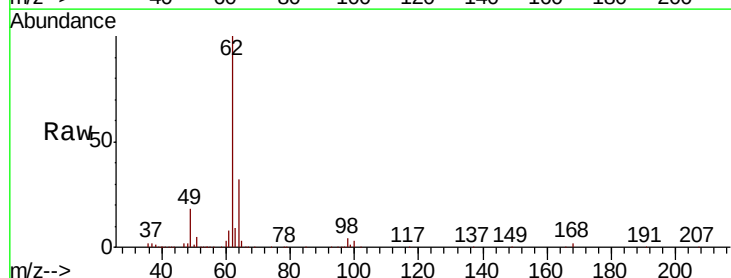
Manual Integrations
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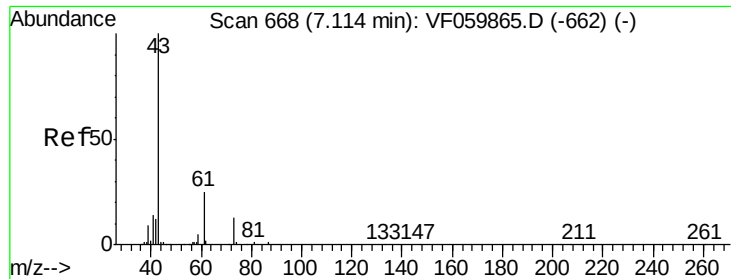
apatel
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#42
1,2-Dichloroethane
Concen: 56.80 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		215555		
98	3.8	0.0	7.6		





#43

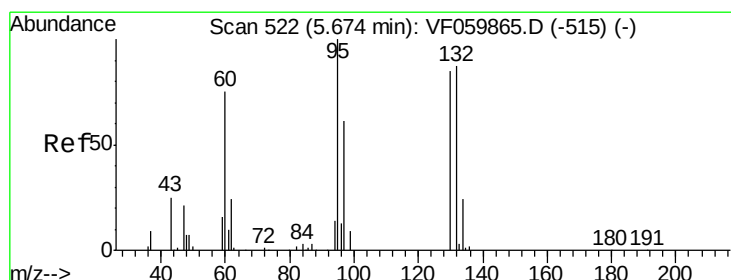
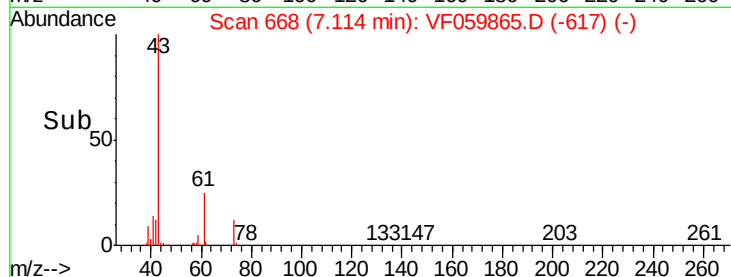
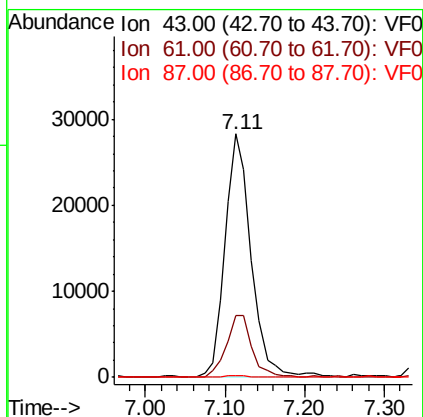
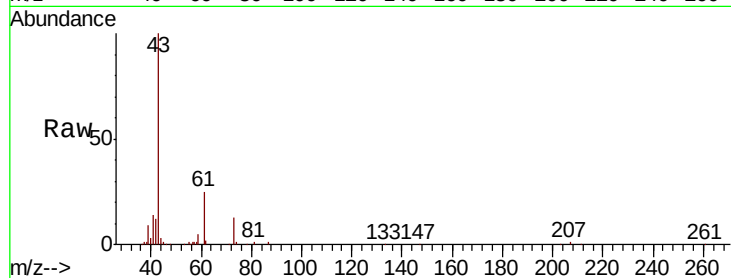
Isopropyl Acetate
 Concen: 42.67 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.3	30.5
87	0.9	0.7	1.1

Manual Integrations
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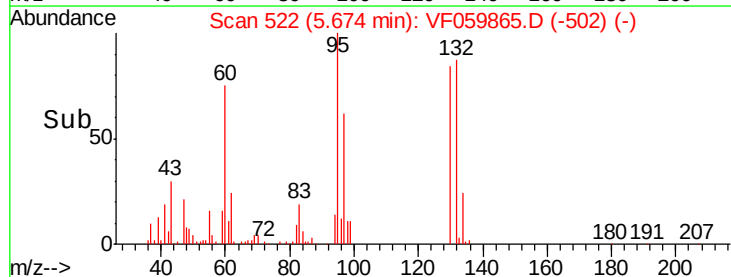
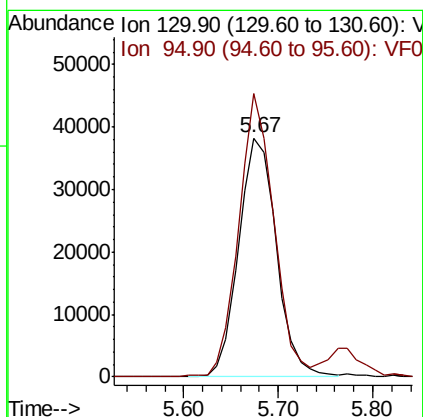
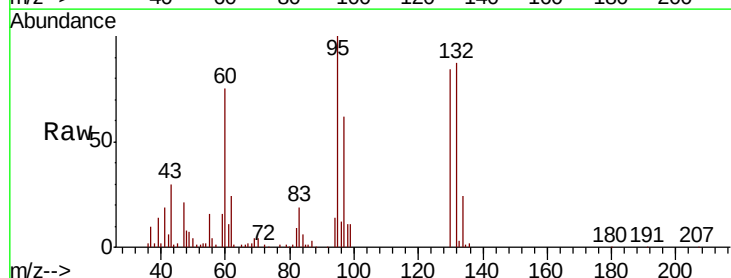
apatel
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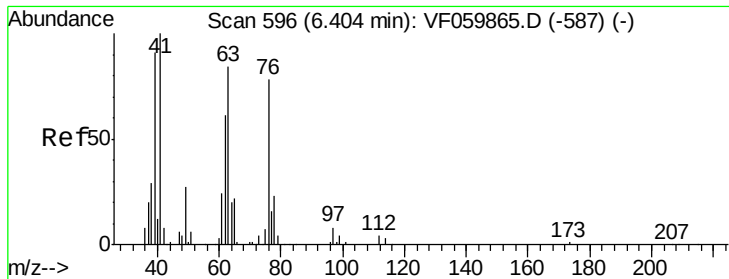


#44

Trichloroethene
 Concen: 51.44 ug/l
 RT: 5.67 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.4	0.0	236.8





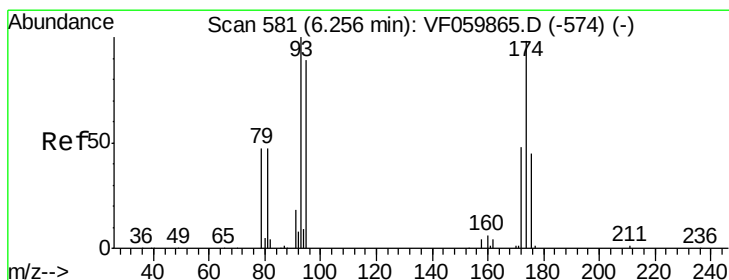
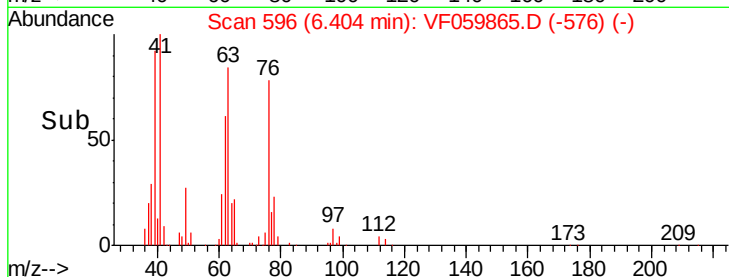
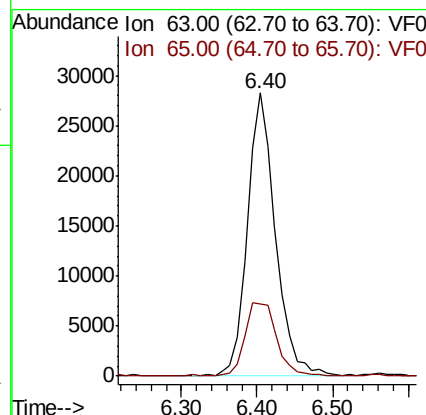
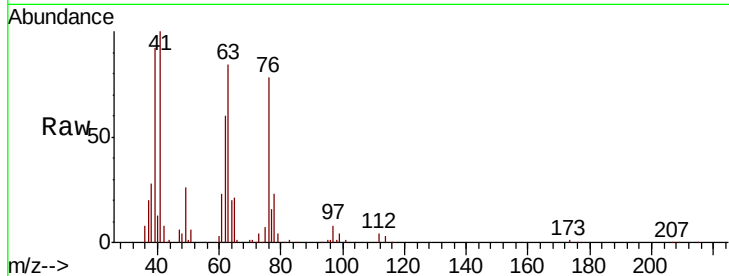
#45
 1,2-Dichloropropane
 Concen: 51.81 ug/l
 RT: 6.40 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	63	Resp	72333
Ion Ratio	Lower	Upper	
63	100		
65	25.5	20.4	30.6

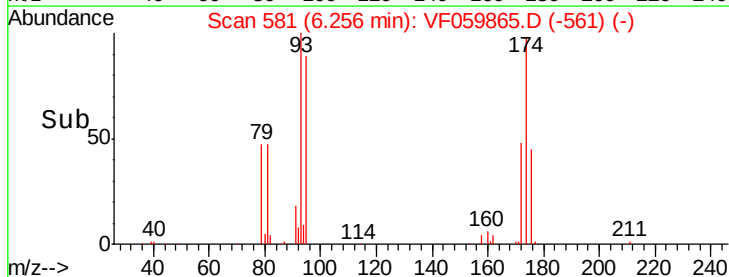
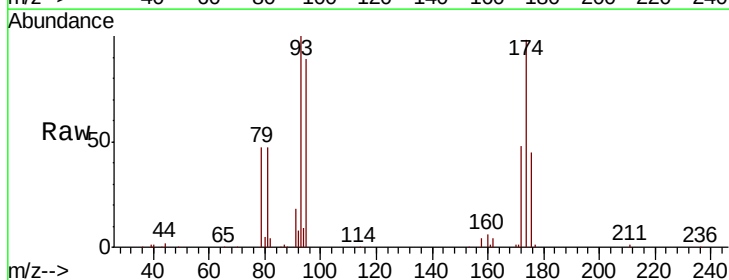
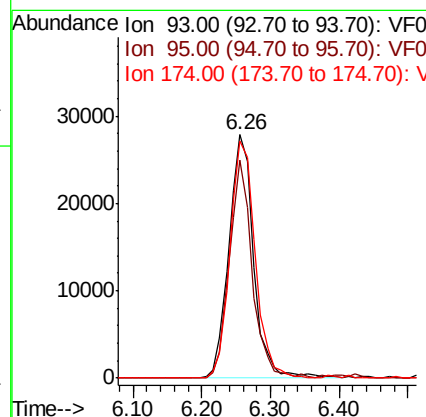
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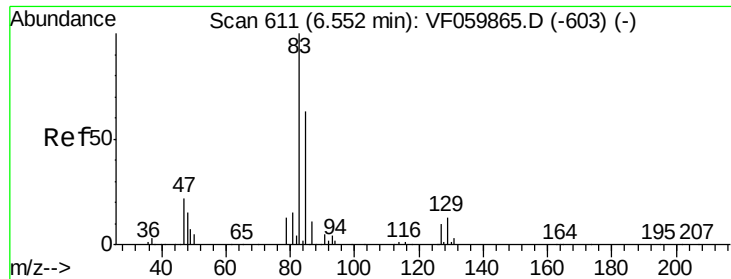
apatel
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#46
 Dibromomethane
 Concen: 52.20 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	93	Resp	69398
Ion Ratio	Lower	Upper	
93	100		
95	89.3	71.4	107.2
174	97.6	78.1	117.1





#47

Bromodichloromethane

Concen: 53.99 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

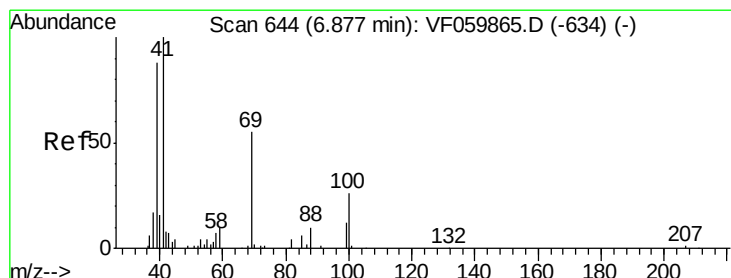
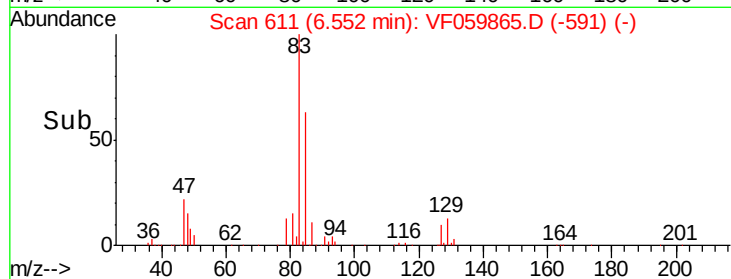
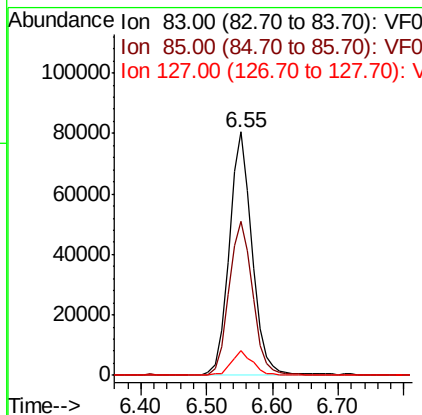
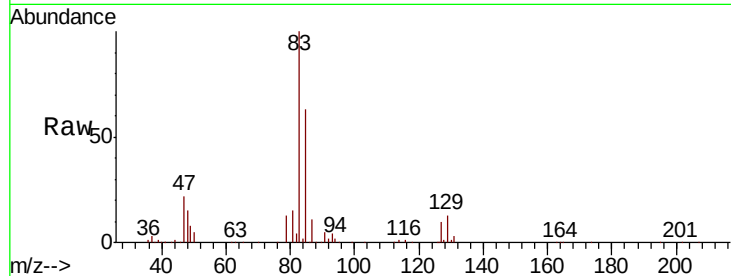
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	196787
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	10.0	8.0	12.0

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#48

Methyl methacrylate

Concen: 46.96 ug/l

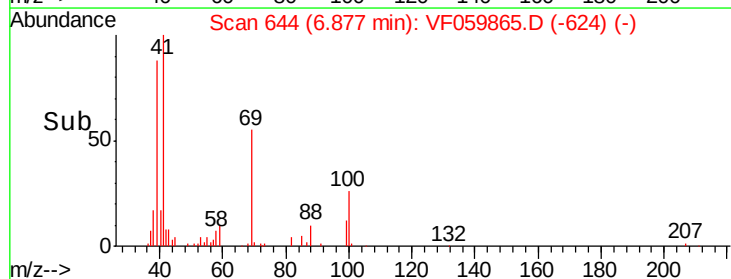
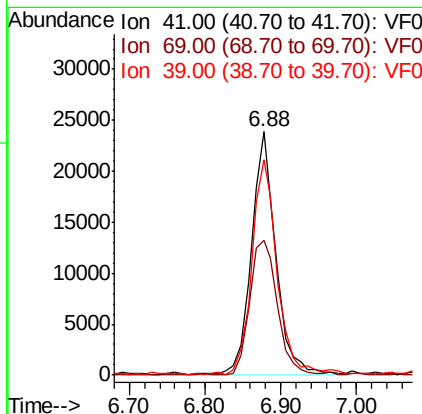
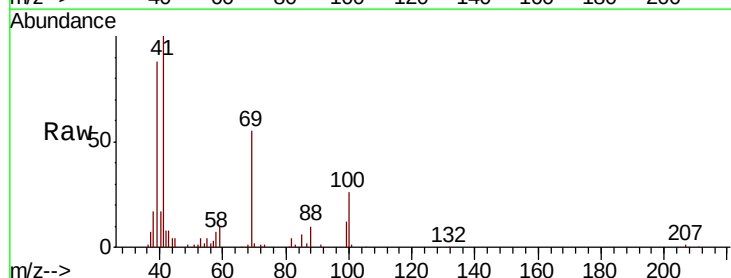
RT: 6.88 min Scan# 644

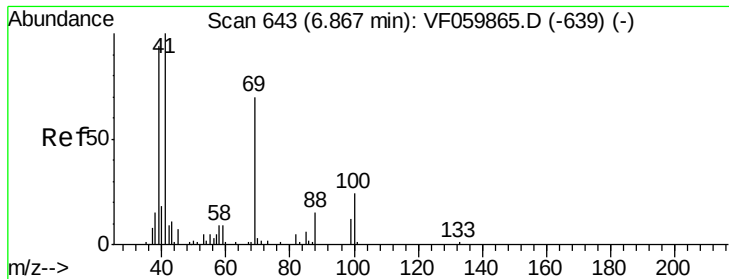
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion:	41	Resp:	54296
Ion	Ratio	Lower	Upper
41	100		
69	55.5	44.4	66.6
39	88.3	70.6	106.0





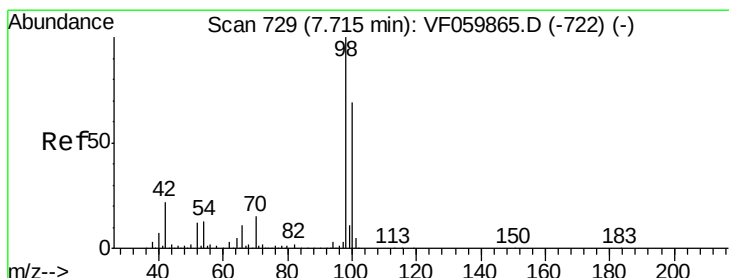
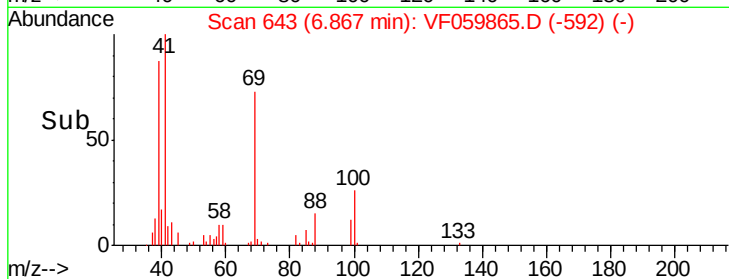
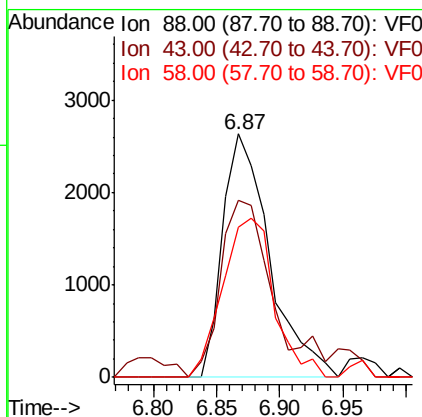
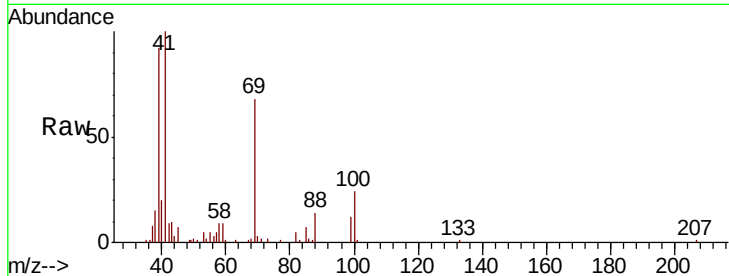
#49
1,4-Dioxane
Concen: 762.62 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6797		
43	72.9		58.3	87.5
58	61.8		49.4	74.2

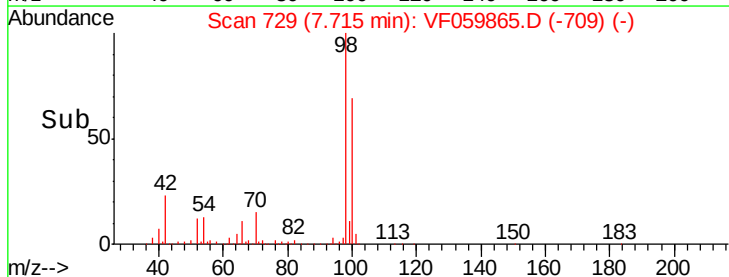
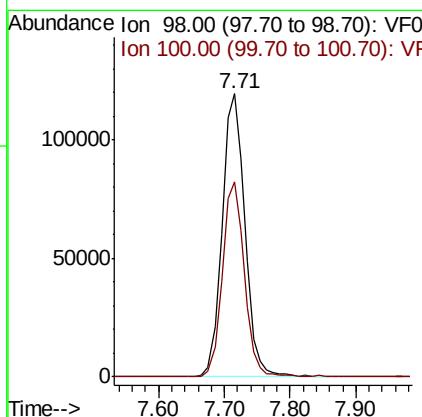
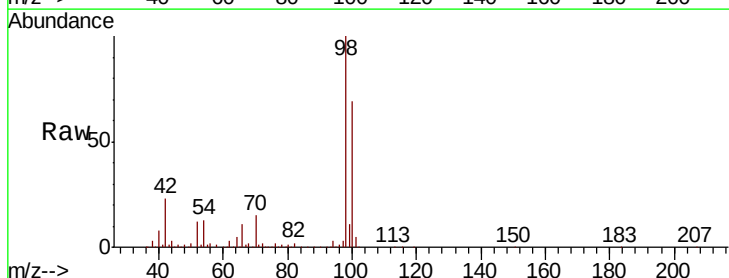
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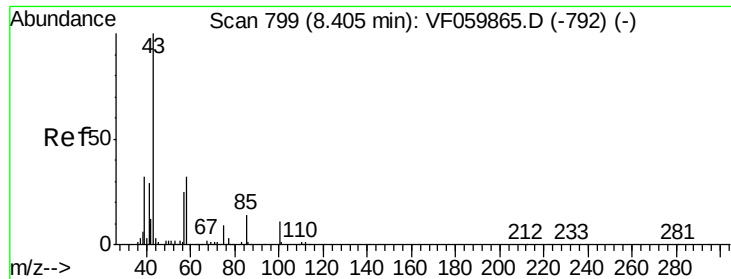
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#50
Toluene-d8
Concen: 46.51 ug/l
RT: 7.71 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	289428		
100	68.8		55.0	82.6





#51

4-Methyl-2-Pentanone

Concen: 286.76 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tot Ion: 43 Resp: 348305

Ion Ratio Lower Upper

43 100

58 31.7 25.4 38.0

Instrument :

MSVOA_F

ClientSampleId :

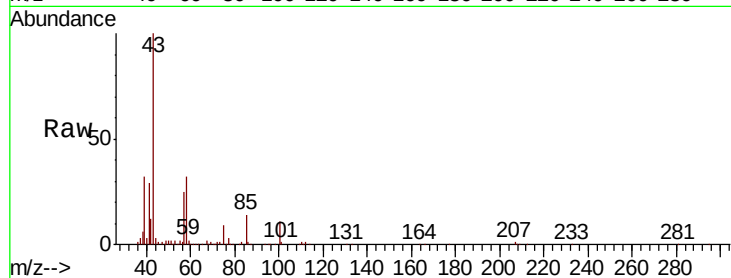
VSTDICCC050

Manual Integrations

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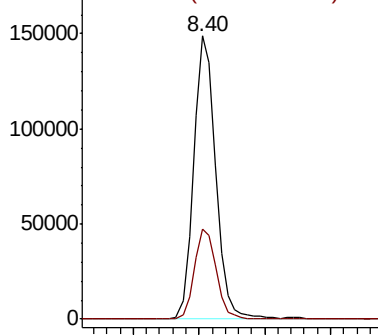
apatel

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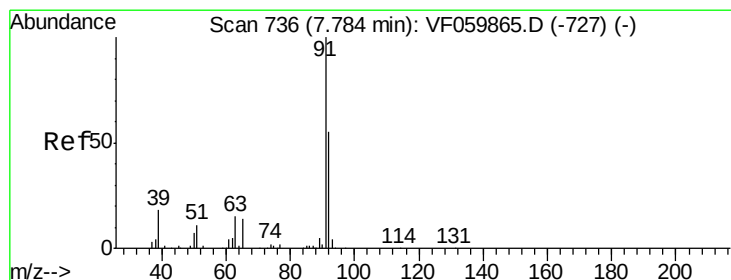
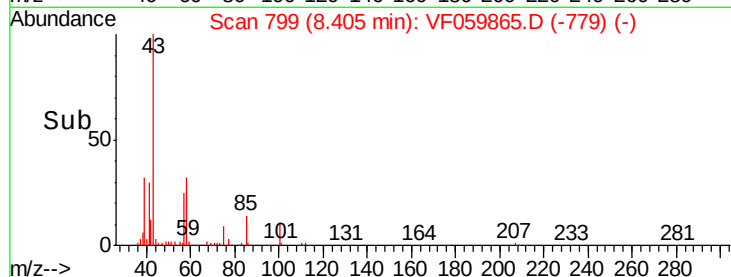


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 49.72 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059865.D

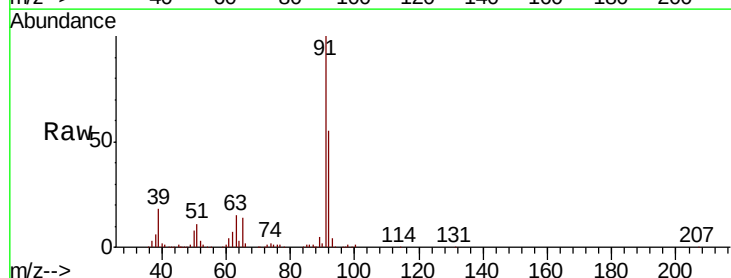
Acq: 4 Aug 2018 4:44

Tgt Ion: 92 Resp: 196115

Ion Ratio Lower Upper

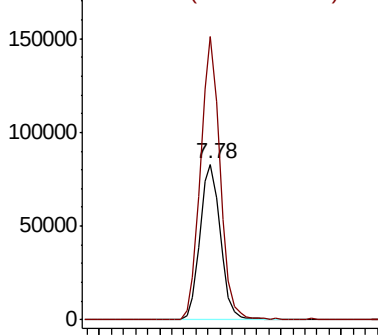
92 100

91 182.1 145.7 218.5

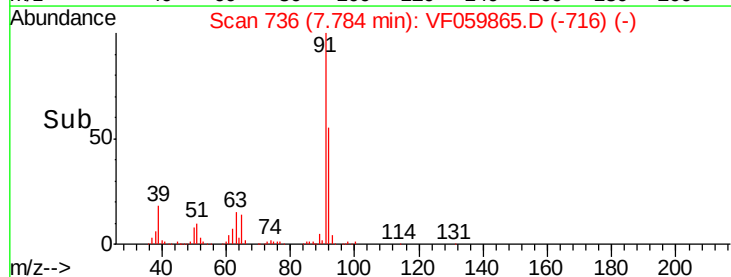


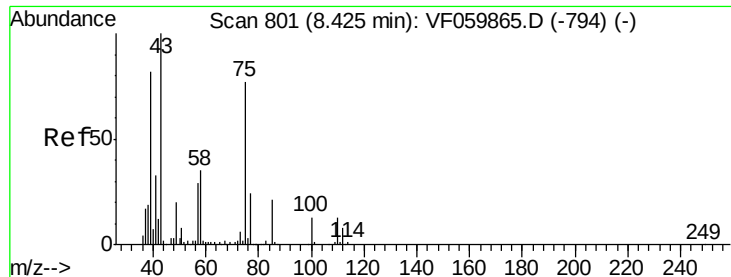
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->





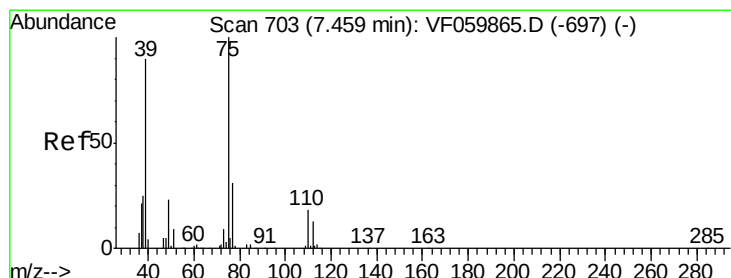
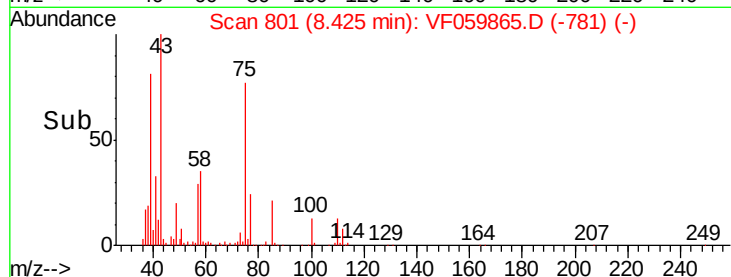
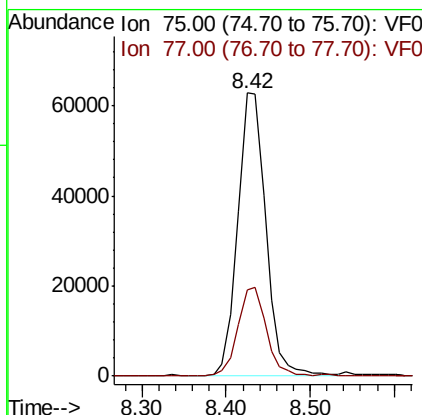
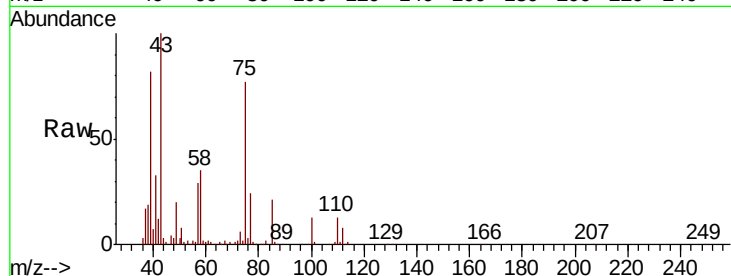
#53
 t-1,3-Dichloropropene
 Concen: 47.03 ug/l
 RT: 8.42 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7

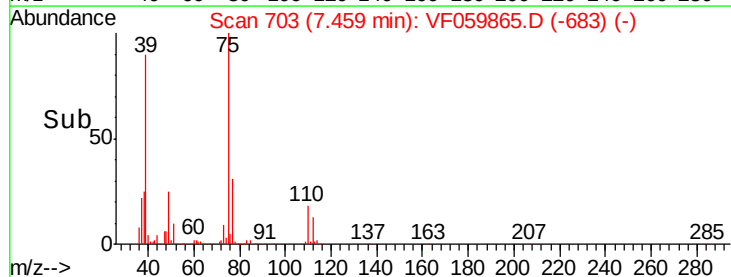
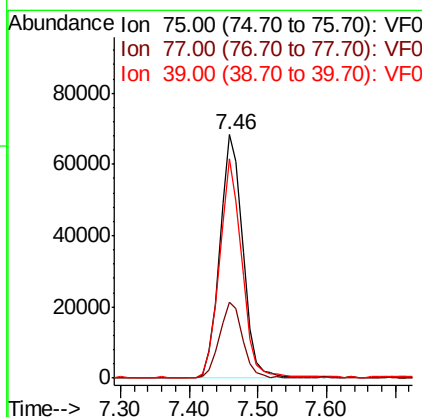
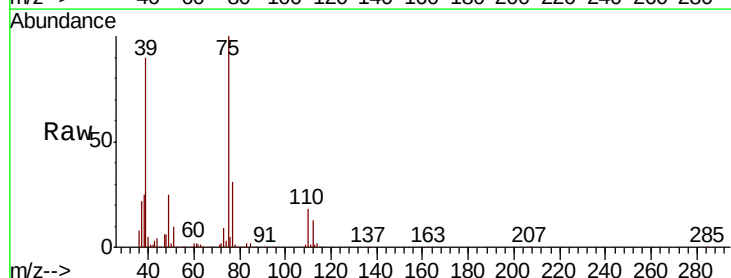
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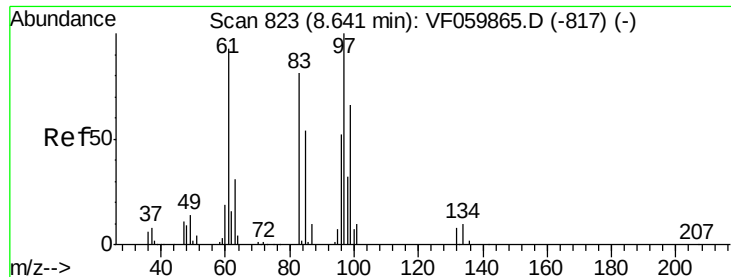
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#54
 cis-1,3-Dichloropropene
 Concen: 52.35 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	90.0	72.0	108.0





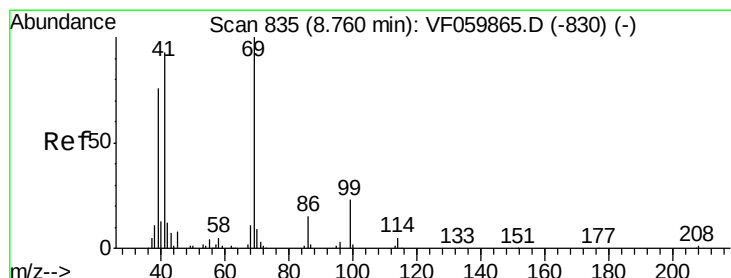
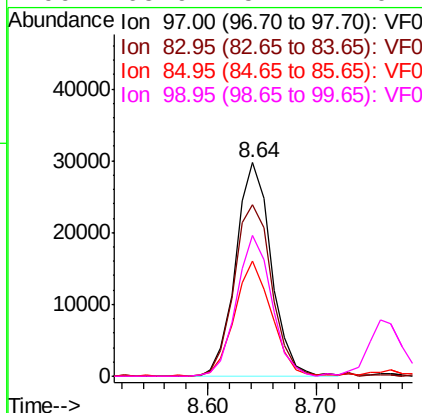
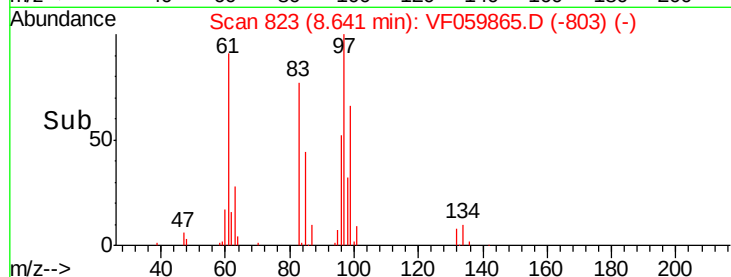
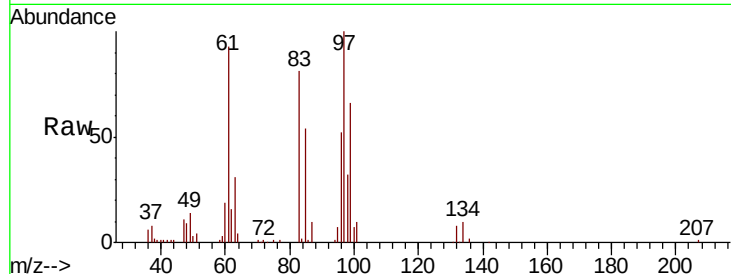
#55
 1,1,2-Trichloroethane
 Concen: 48.14 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		68024		
83	80.5	64.4	96.6		
85	53.9	43.1	64.7		
99	65.9	52.7	79.1		

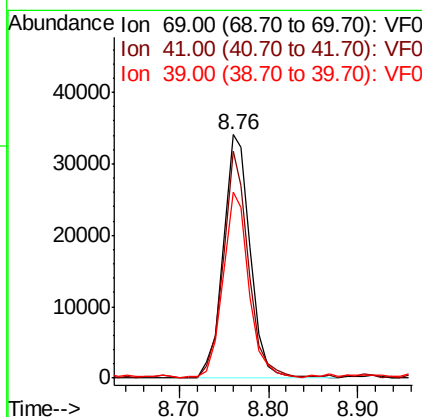
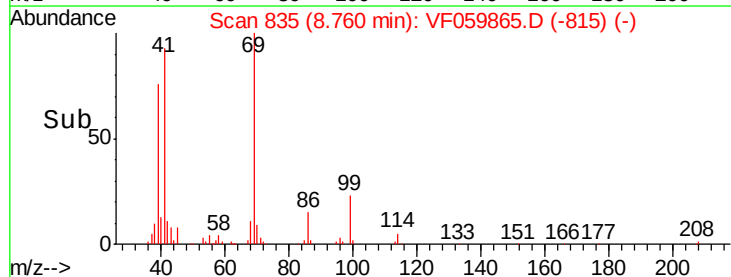
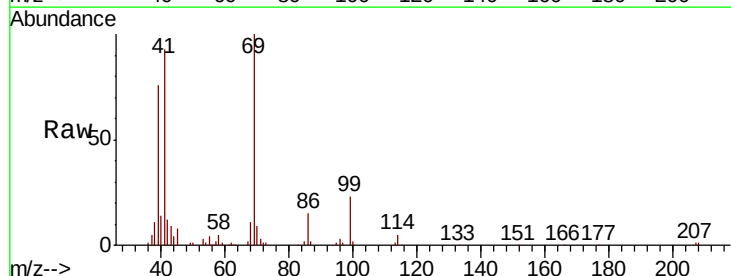
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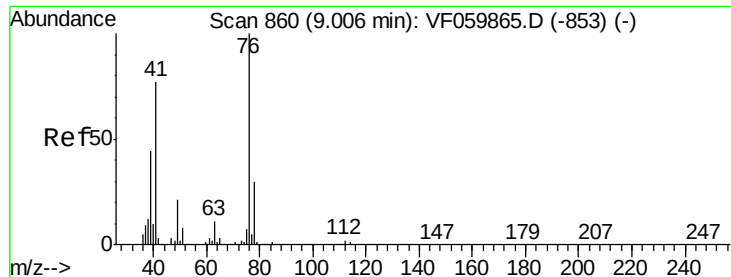
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#56
 Ethyl methacrylate
 Concen: 49.75 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		72724		
41	93.4	74.7	112.1		
39	76.4	61.1	91.7		





#57

1,3-Dichloropropane

Concen: 49.98 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 122478

Ion Ratio Lower Upper

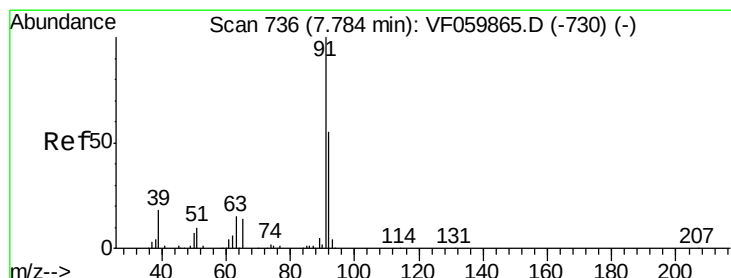
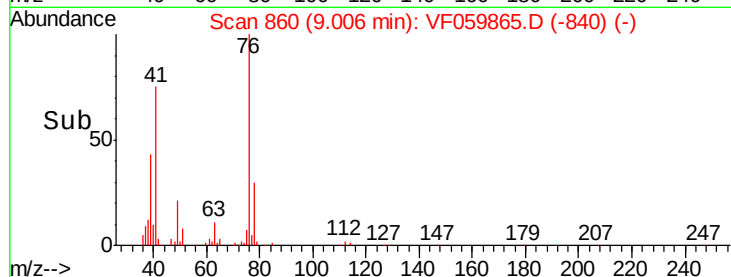
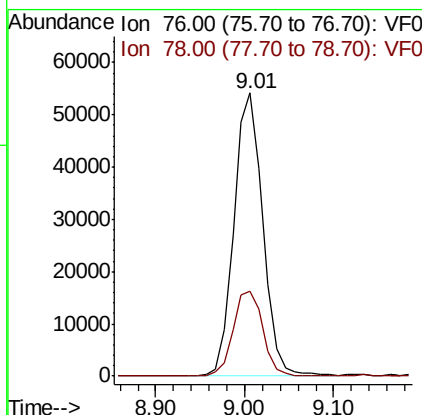
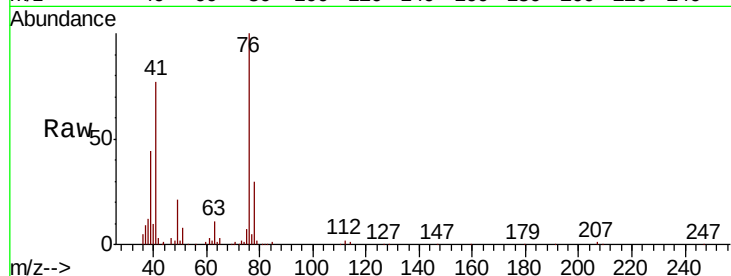
76 100

78 30.2 24.2 36.2

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#58

2-Chloroethyl Vinyl ether

Concen: 280.40 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059865.D

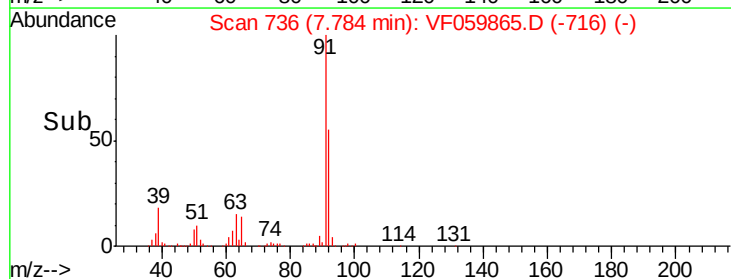
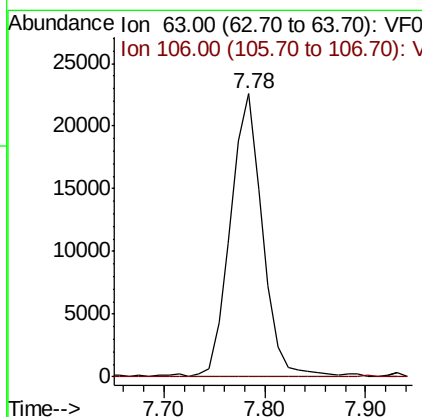
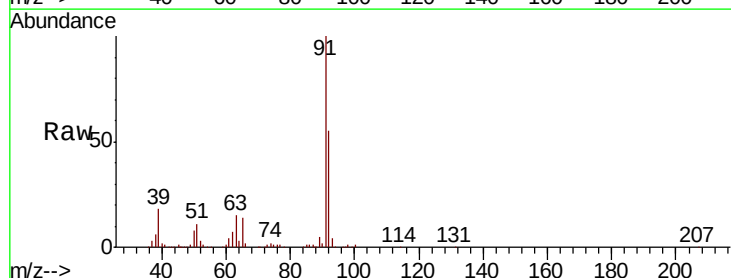
Acq: 4 Aug 2018 4:44

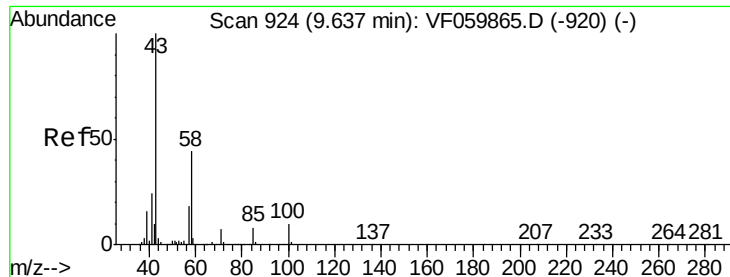
Tgt Ion: 63 Resp: 49876

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





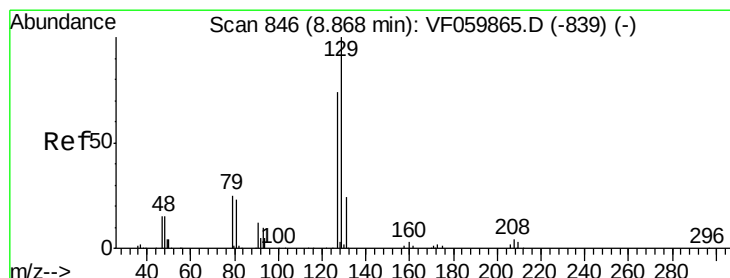
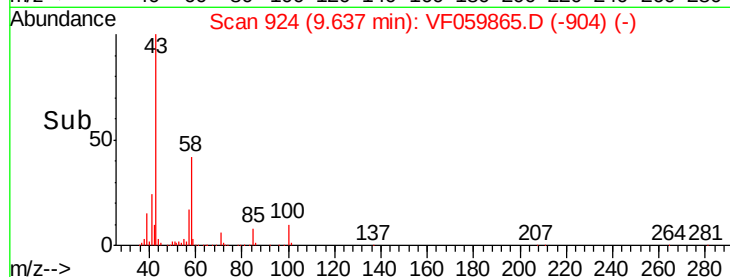
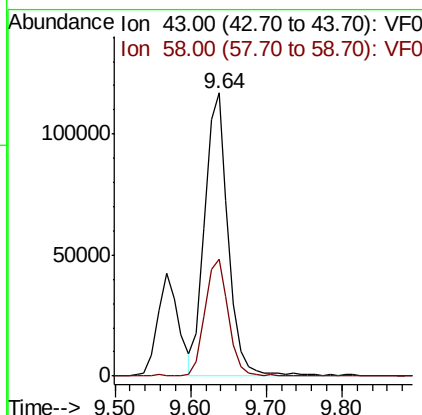
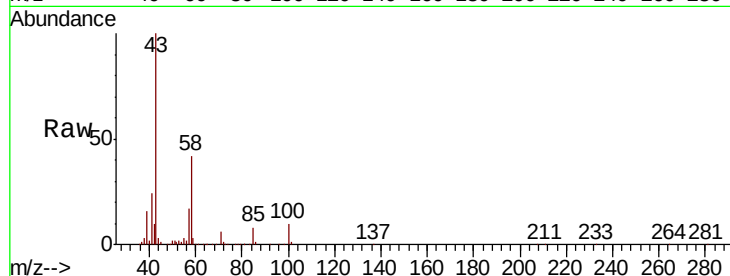
#59
2-Hexanone
Concen: 261.79 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.5	20.8	62.2

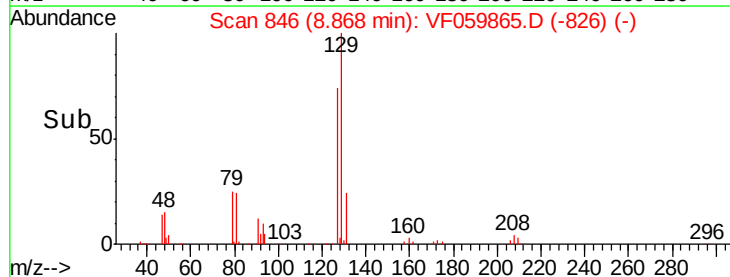
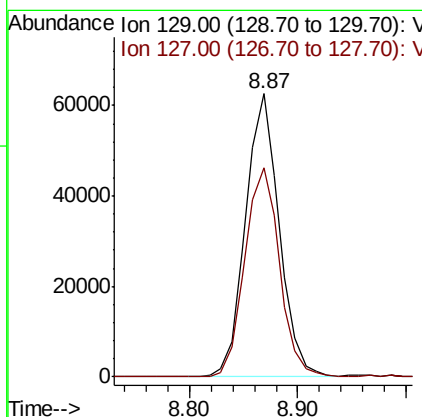
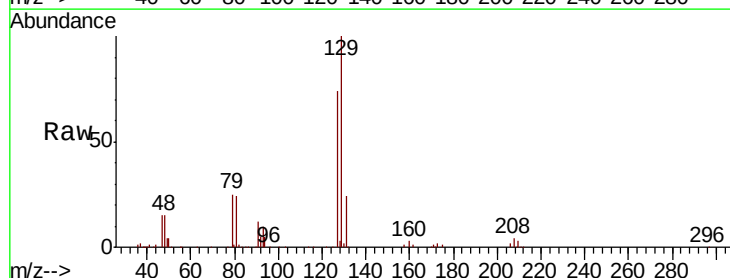
Manual Integrations
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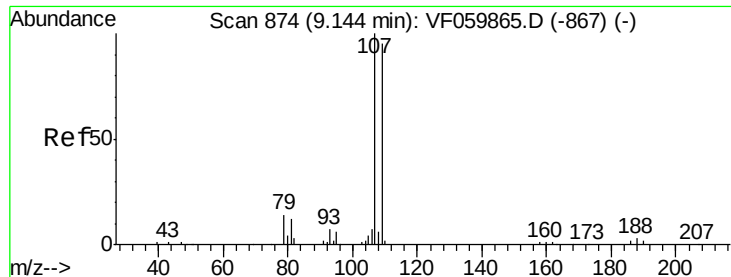
apatel
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#60
Dibromochloromethane
Concen: 53.54 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.8	36.9	110.7





#61

1,2-Dibromoethane

Concen: 51.52 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 86411

Ion Ratio Lower Upper

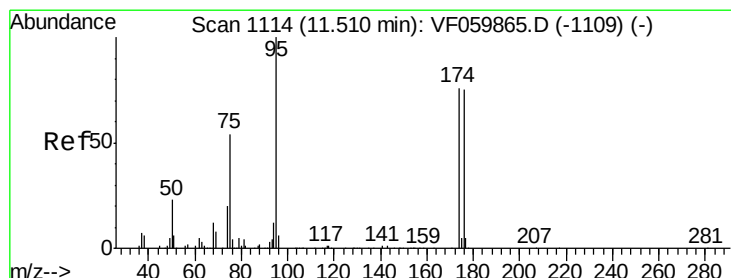
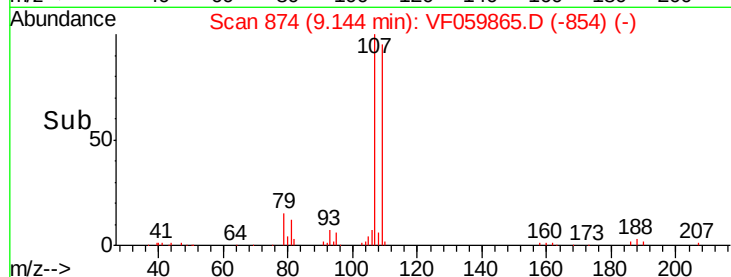
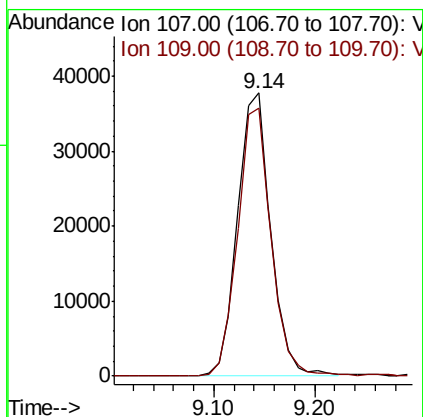
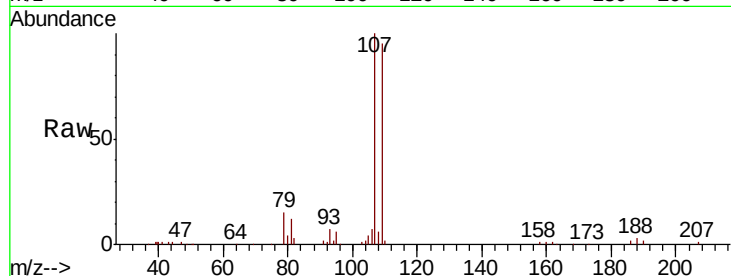
107 100

109 94.8 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 47.42 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

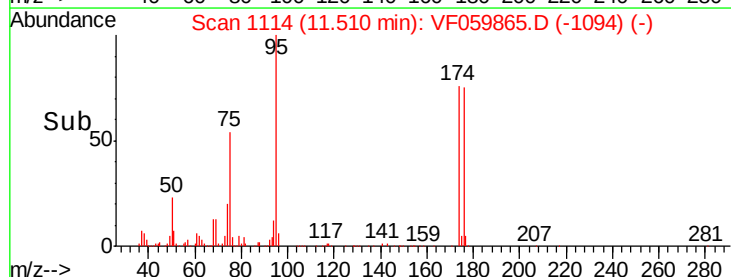
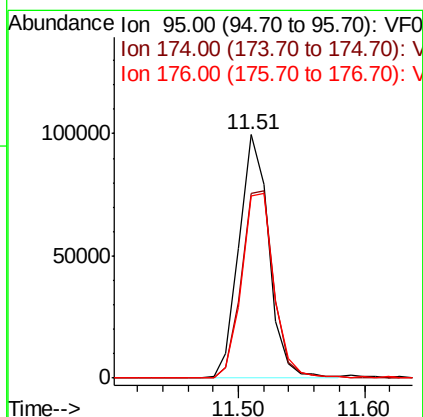
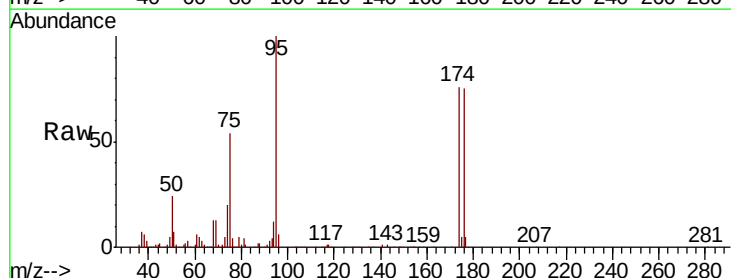
Tgt Ion: 95 Resp: 163283

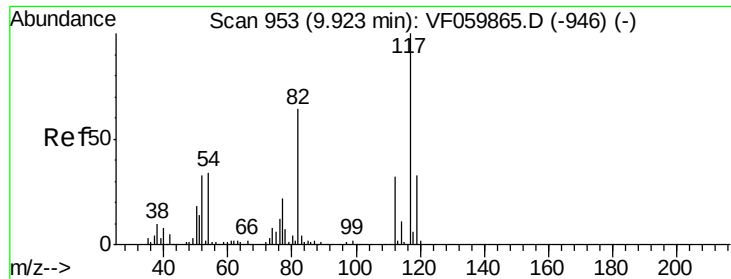
Ion Ratio Lower Upper

95 100

174 75.8 0.0 151.6

176 74.9 0.0 149.8





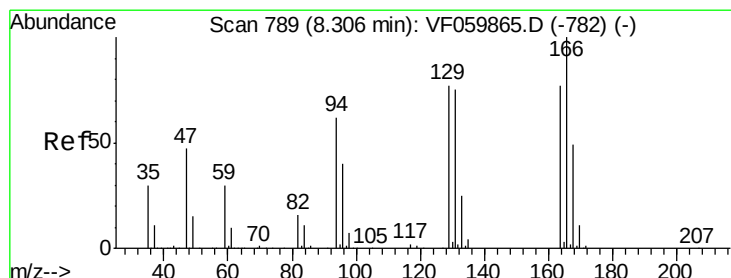
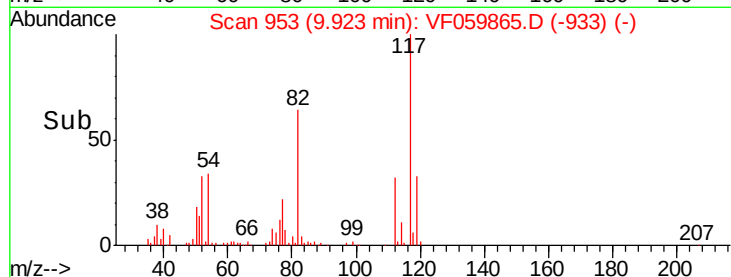
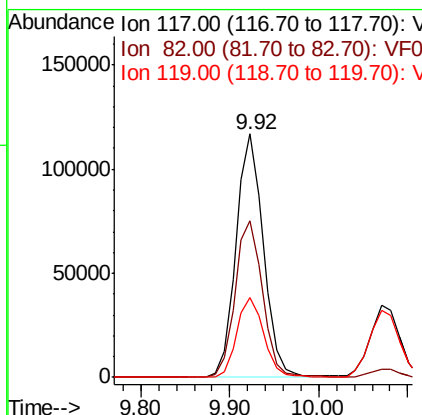
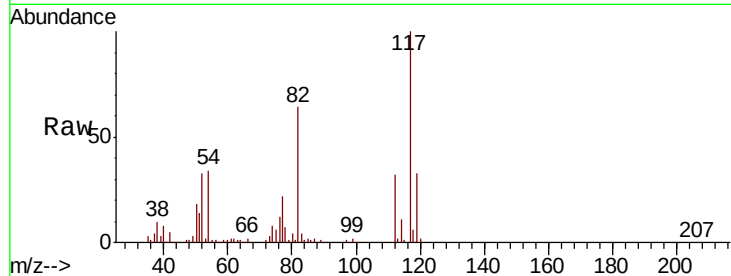
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251663		
82	64.1		51.3	76.9
119	33.0		26.4	39.6

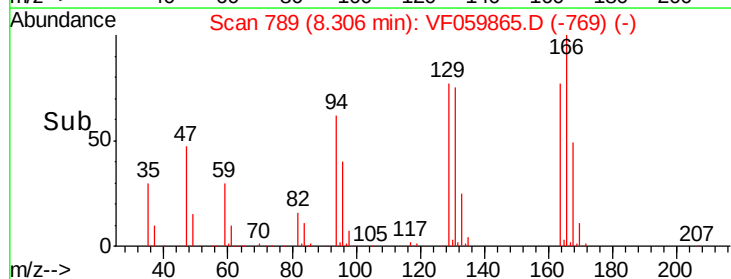
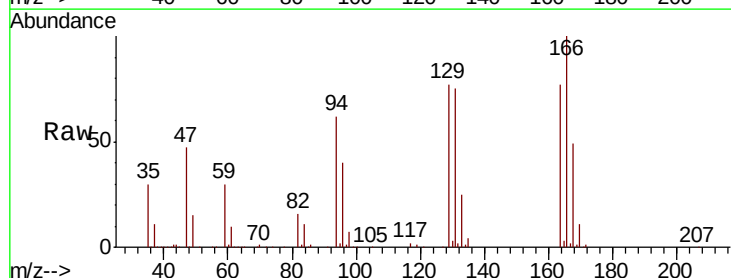
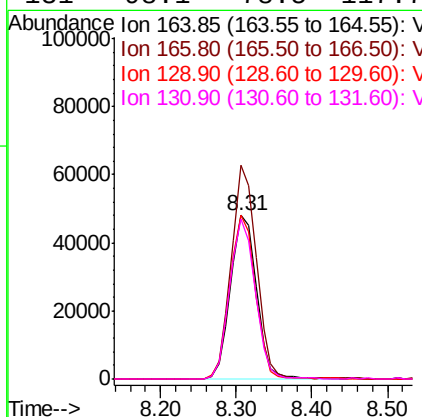
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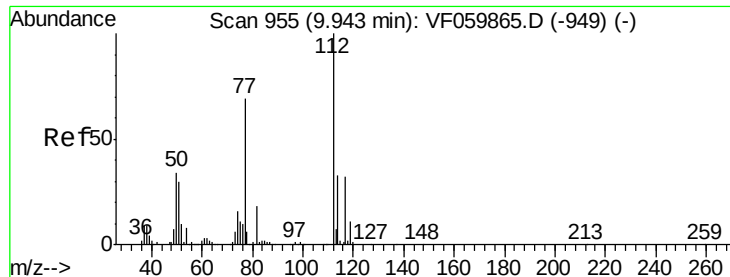
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#64
Tetrachloroethene
Concen: 55.56 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114021		
166	130.5		104.4	156.6
129	100.4		80.3	120.5
131	98.1		78.5	117.7





#65

Chlorobenzene

Concen: 50.70 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 261528

Ion Ratio Lower Upper

112 100

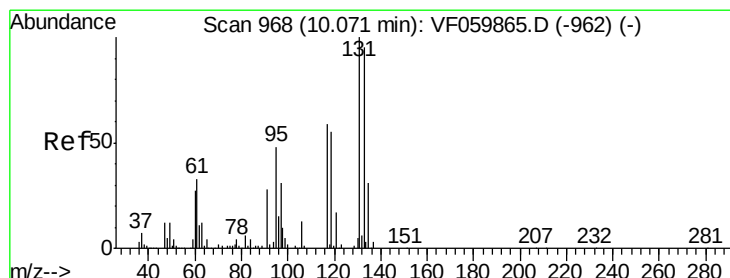
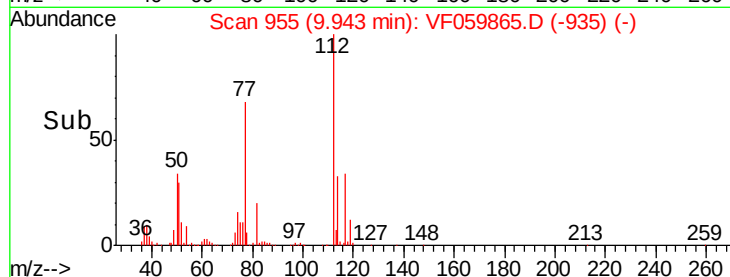
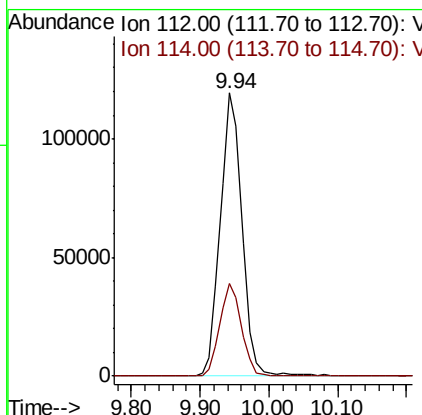
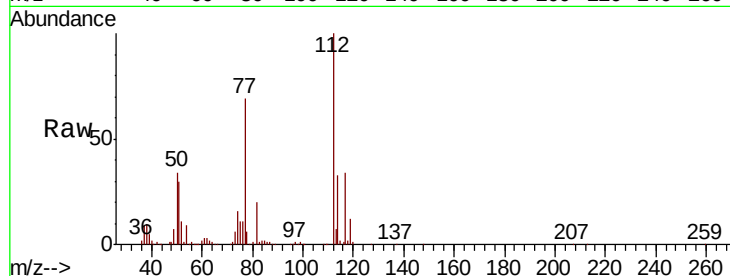
114 33.0 26.4 39.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.91 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

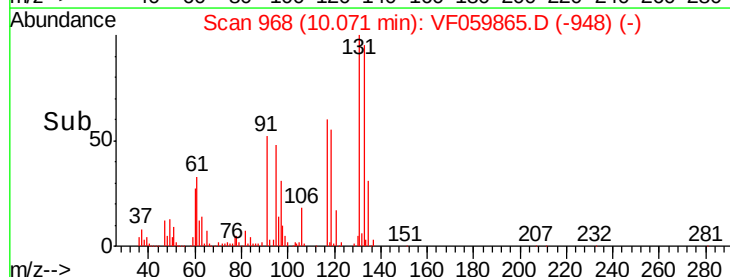
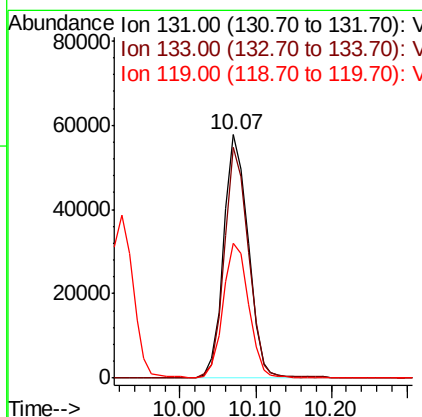
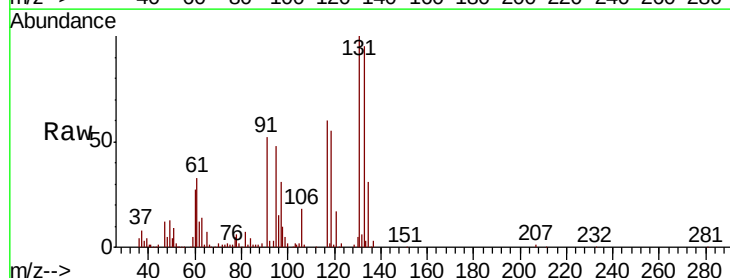
Tgt Ion:131 Resp: 130458

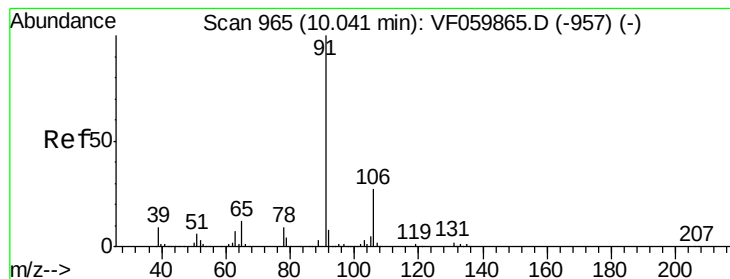
Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.2

119 55.4 27.7 83.1





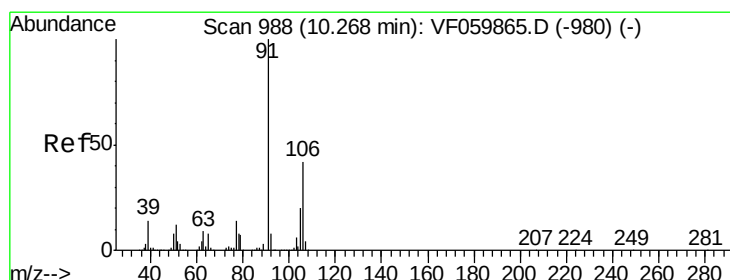
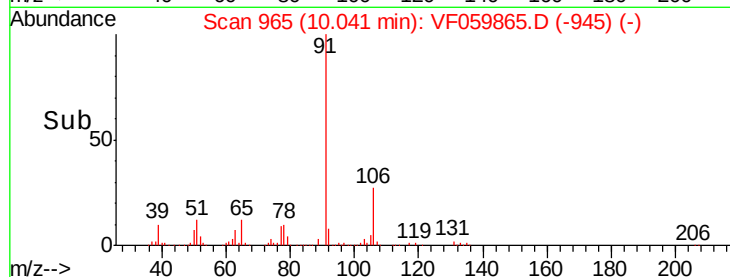
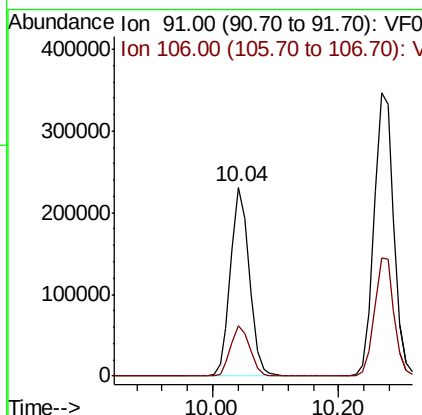
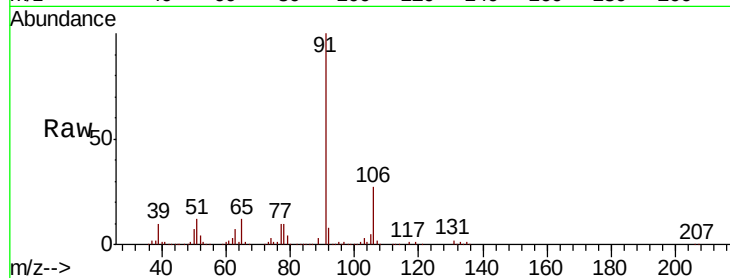
#67
Ethyl Benzene
Concen: 53.28 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 476976
Ion Ratio Lower Upper
91 100
106 26.9 21.5 32.3

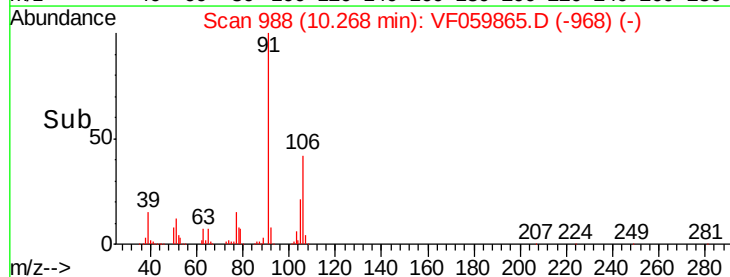
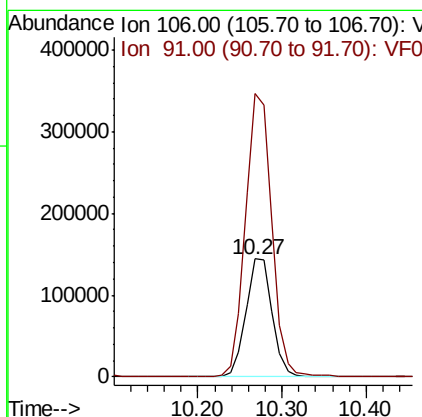
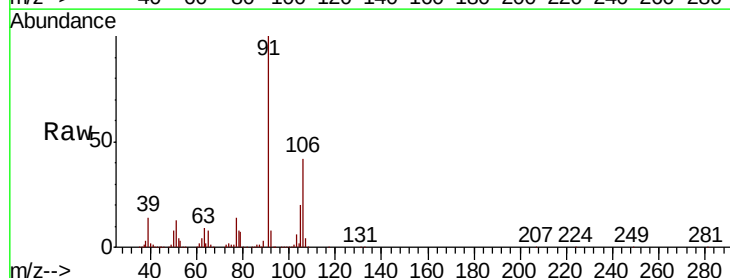
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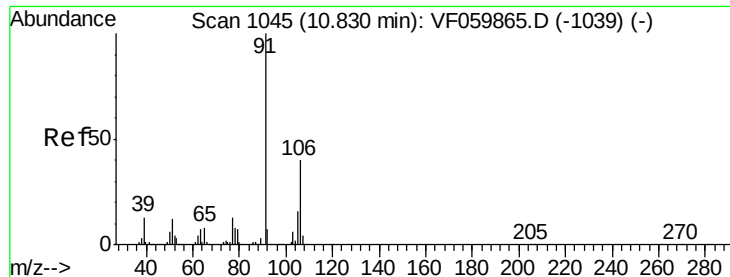
apatel
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#68
m/p-Xylenes
Concen: 101.15 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion: 106 Resp: 317368
Ion Ratio Lower Upper
106 100
91 240.1 192.1 288.1





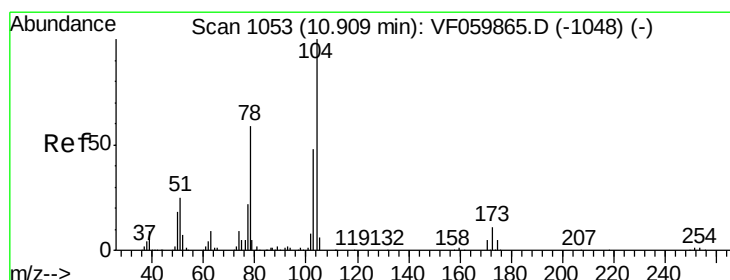
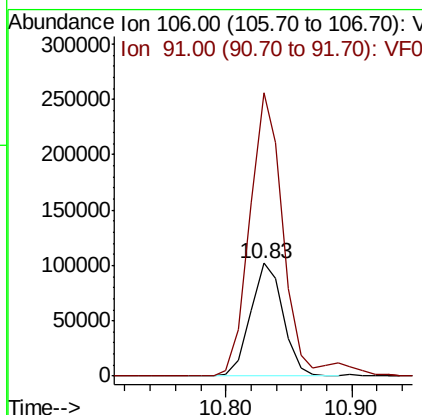
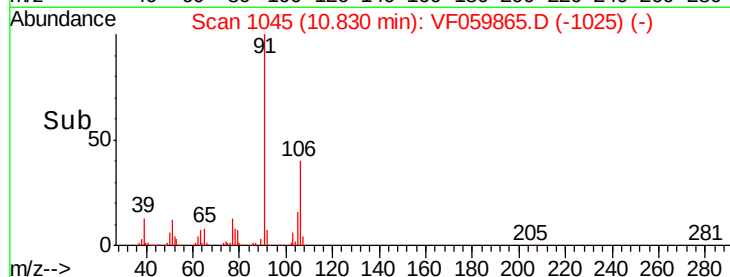
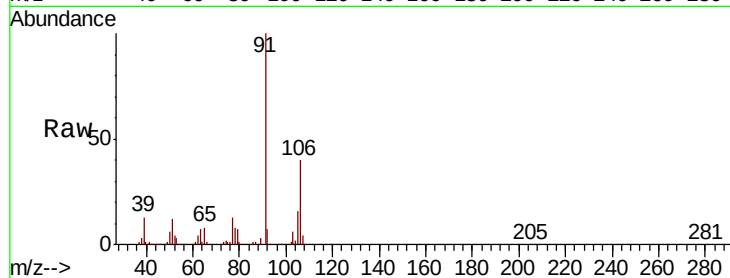
#69
o-Xylene
Concen: 55.50 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 184177
Ion Ratio Lower Upper
106 100
91 250.8 125.4 376.2

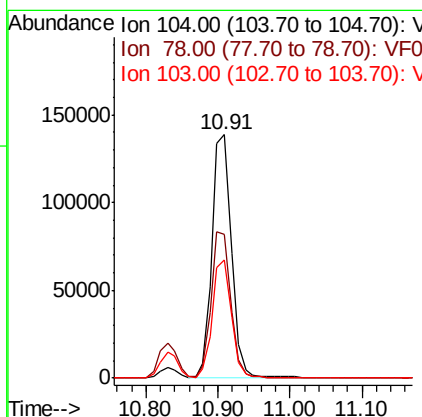
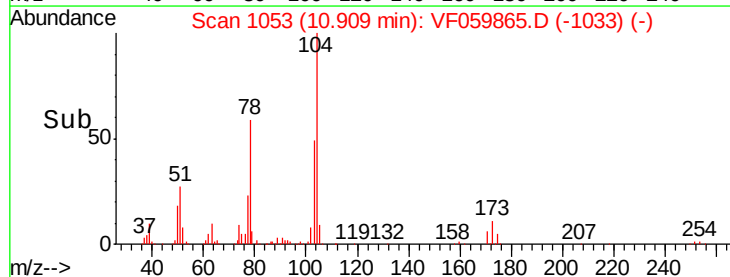
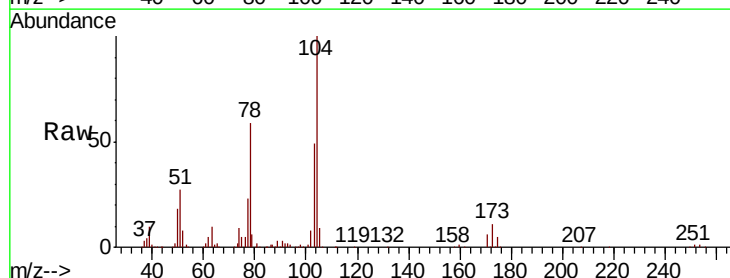
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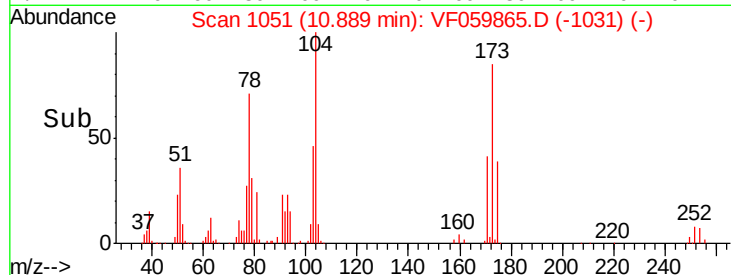
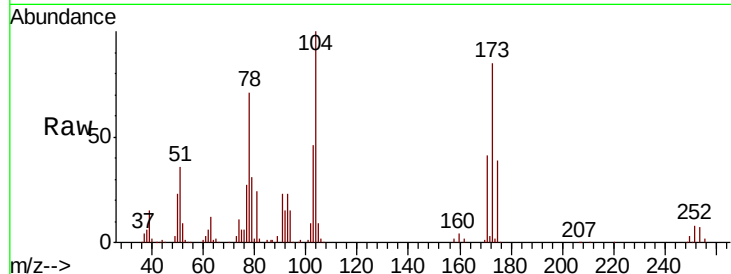
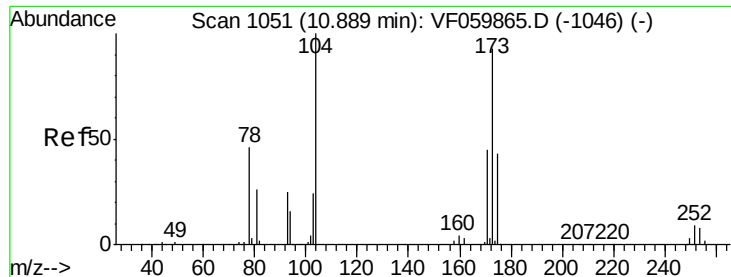
apatel
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#70
Styrene
Concen: 51.91 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion:104 Resp: 258043
Ion Ratio Lower Upper
104 100
78 59.1 47.3 70.9
103 48.7 39.0 58.4





#71

Bromoform

Concen: 51.86 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059865.D

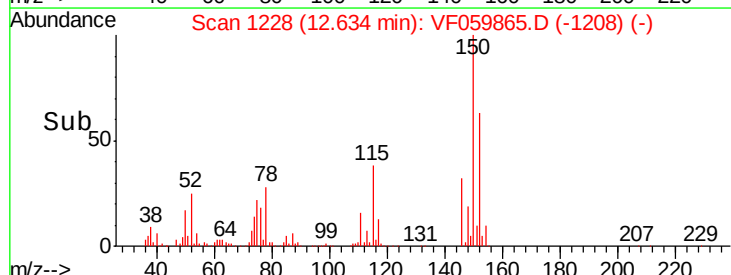
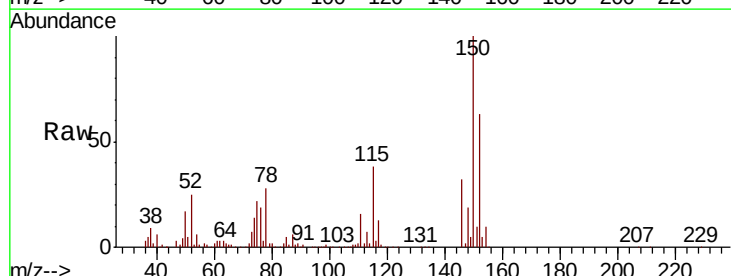
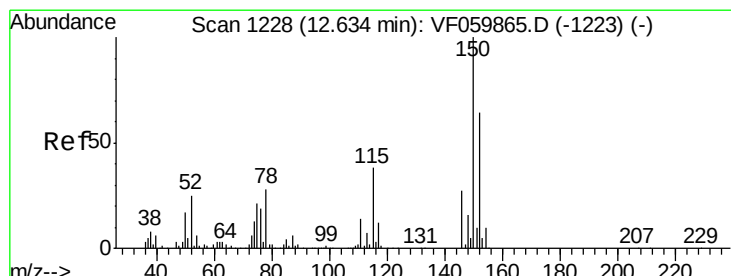
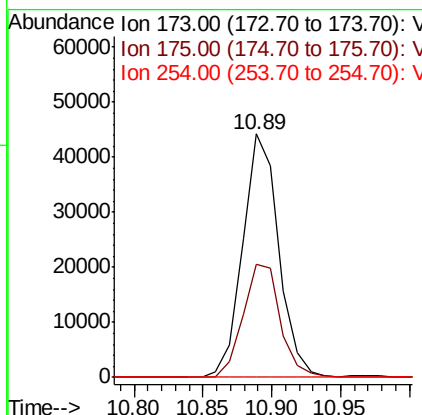
Acq: 4 Aug 2018 4:44

Tot Ion:	173	Resp:	80599
Ion Ratio	Lower	Upper	
173	100		
175	46.8	23.4	70.2
254	0.0	0.0	0.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

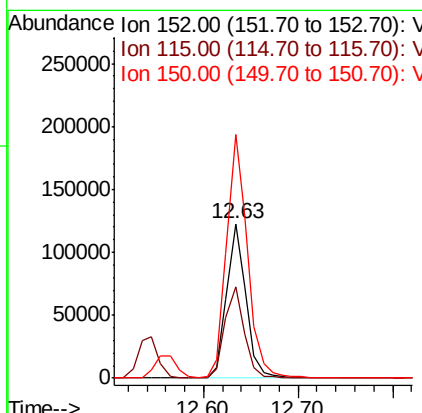
RT: 12.63 min Scan# 1228

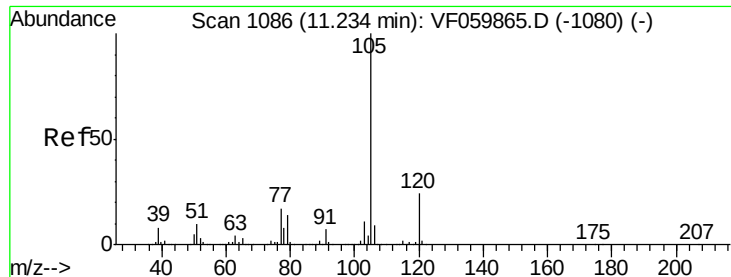
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion:	152	Resp:	174592
Ion Ratio	Lower	Upper	
152	100		
115	59.6	29.8	89.4
150	157.8	0.0	315.6





#73

Isopropylbenzene

Concen: 50.70 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 592634

Ion Ratio Lower Upper

105 100

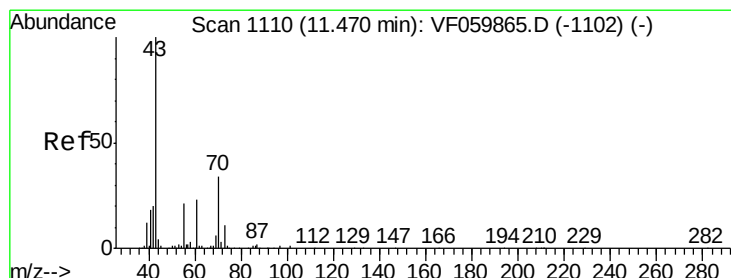
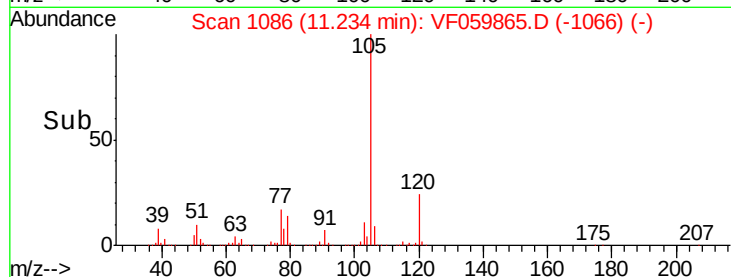
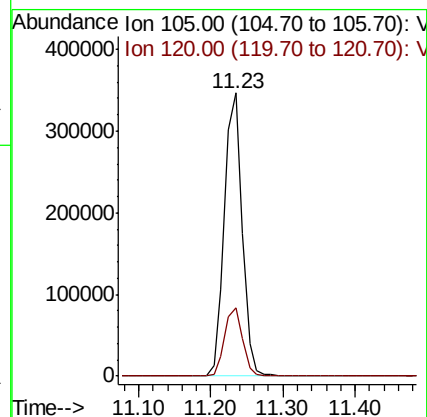
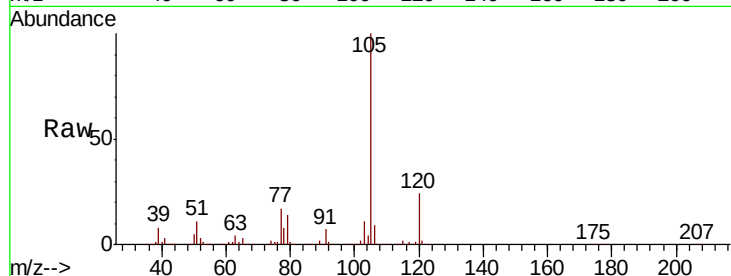
120 24.2 12.1 36.3

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#74

N-ethyl acetate

Concen: 43.80 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion: 43 Resp: 126308

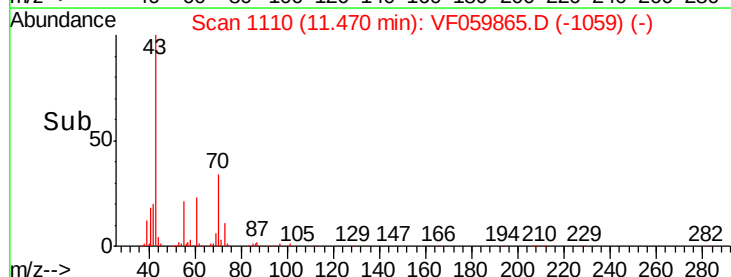
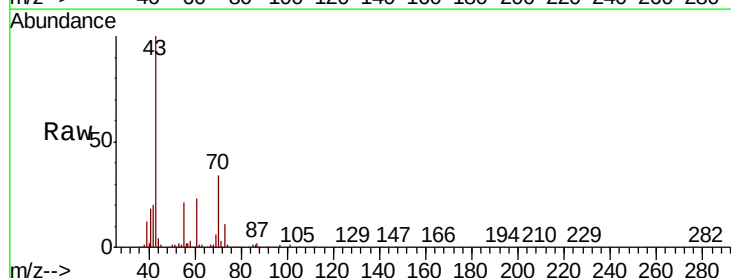
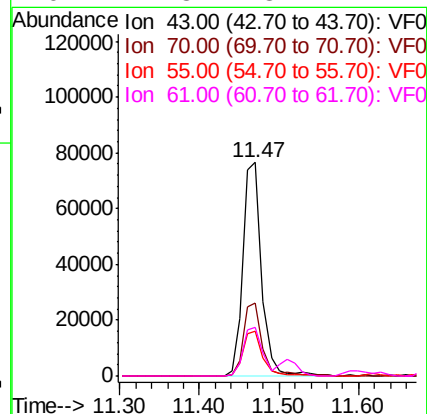
Ion Ratio Lower Upper

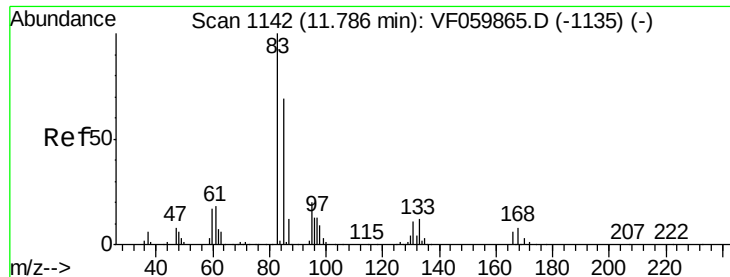
43 100

70 34.4 27.5 41.3

55 20.8 16.6 25.0

61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.37 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 100326

Ion Ratio Lower Upper

83 100

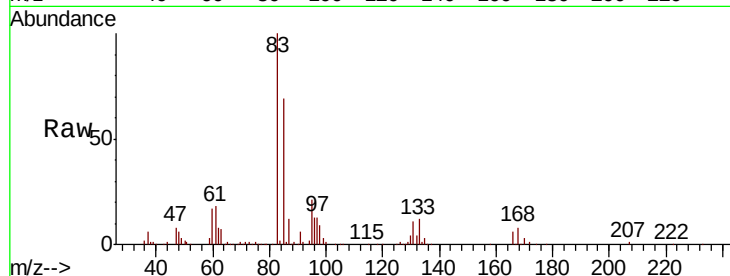
131 10.6 5.3 15.9

85 69.0 34.5 103.5

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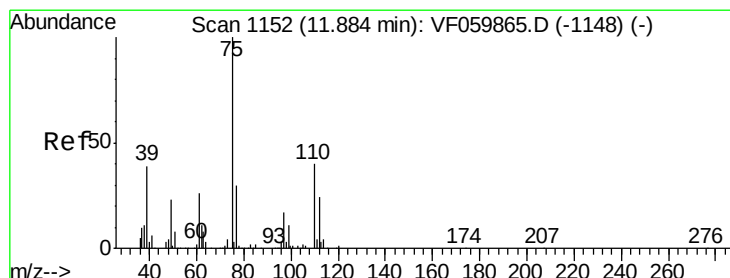
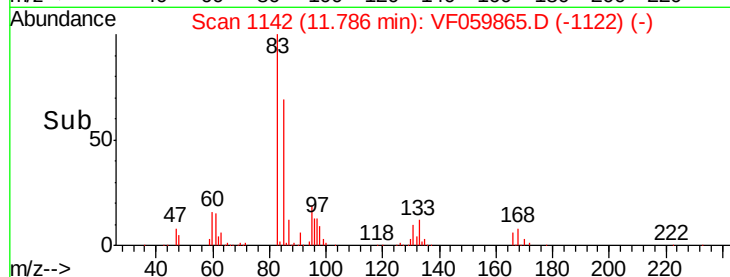
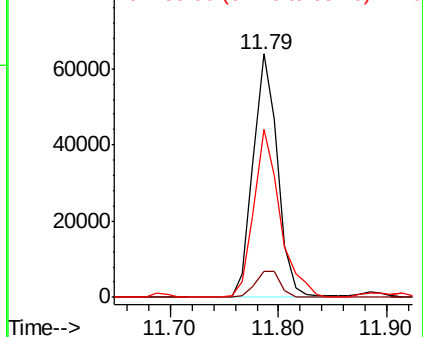
8/6/2018 10:26:00 AM



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 46.50 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059865.D

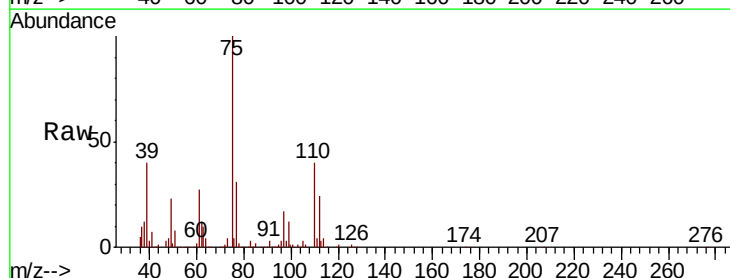
Acq: 4 Aug 2018 4:44

Tgt Ion: 75 Resp: 86243

Ion Ratio Lower Upper

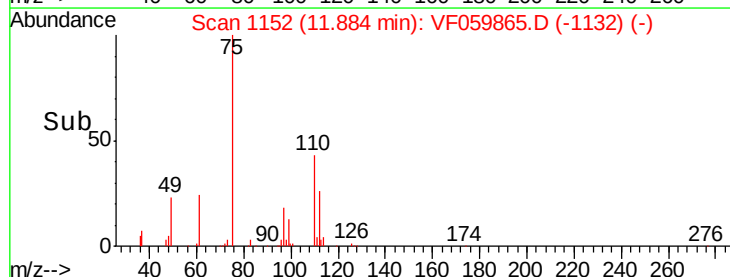
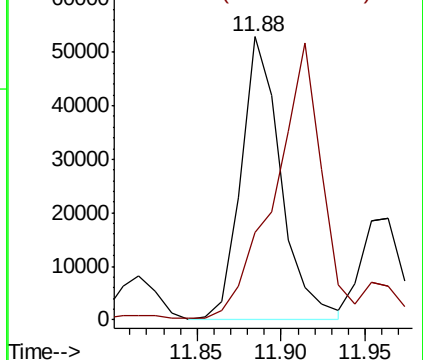
75 100

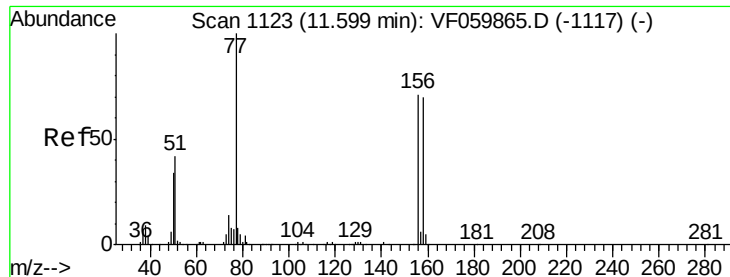
77 30.8 15.4 46.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.31 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 146964

Ion Ratio Lower Upper

156 100

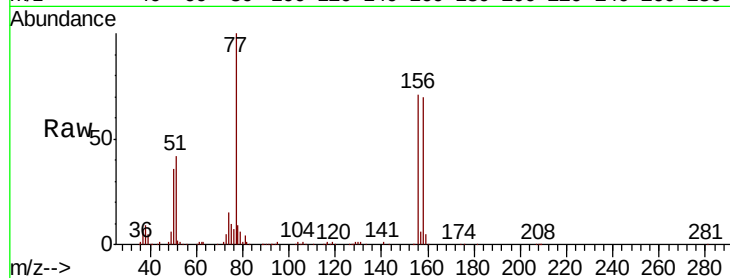
77 140.4 70.2 210.6

158 98.4 49.2 147.6

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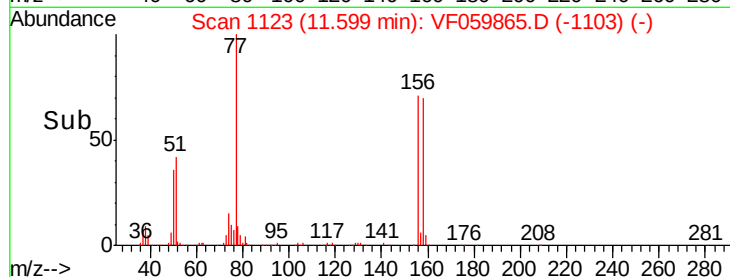
8/6/2018 10:26:00 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



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

11.60

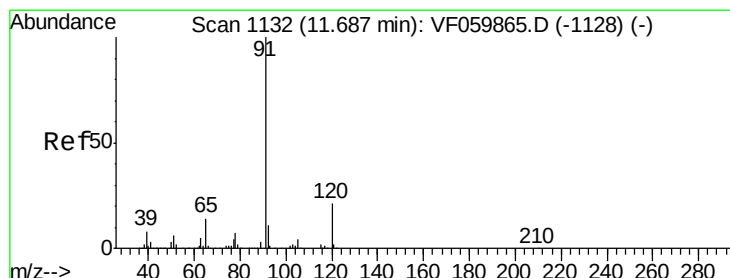
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 49.65 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059865.D

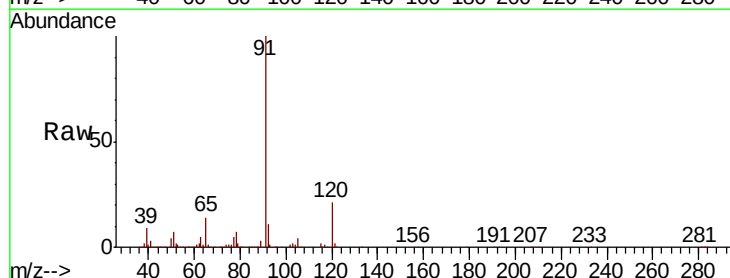
Acq: 4 Aug 2018 4:44

Tgt Ion: 91 Resp: 676846

Ion Ratio Lower Upper

91 100

120 20.8 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

500000

400000

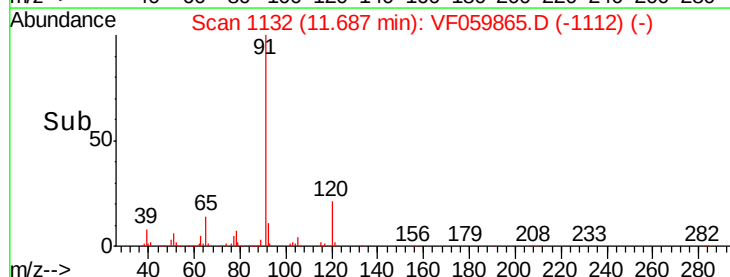
300000

200000

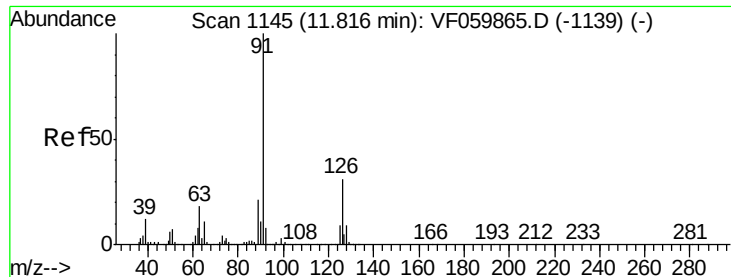
100000

0

Time-->



11.69



#79

2-Chlorotoluene

Concen: 49.95 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 423238

Ion Ratio Lower Upper

91 100

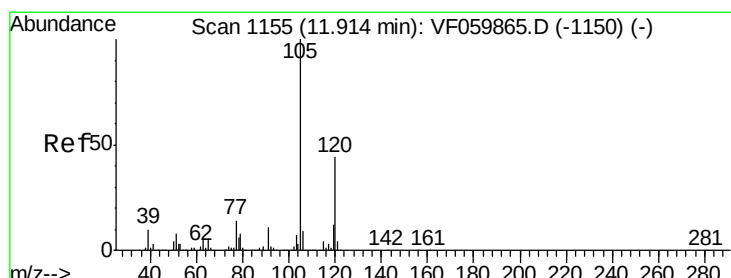
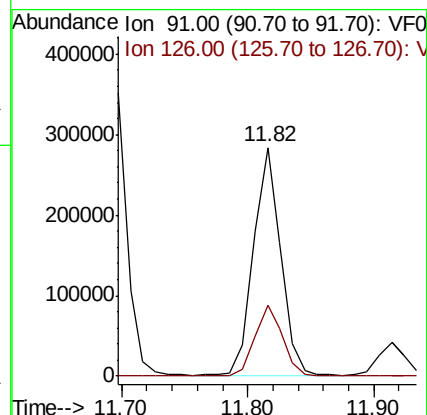
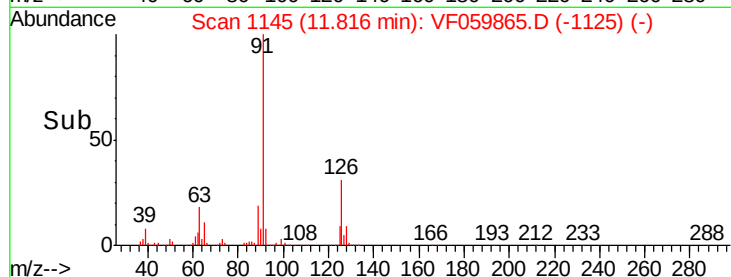
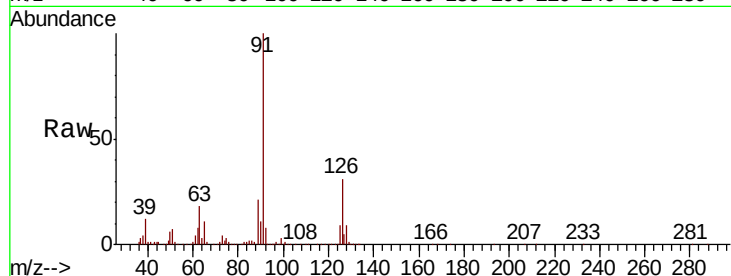
126 31.1 15.6 46.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.66 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059865.D

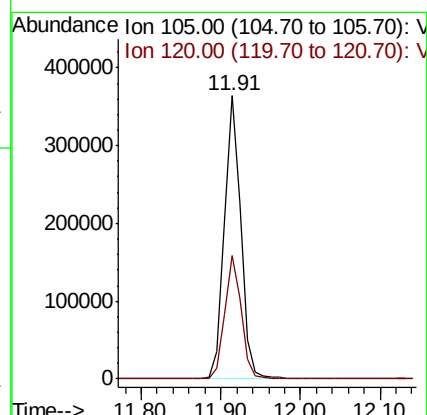
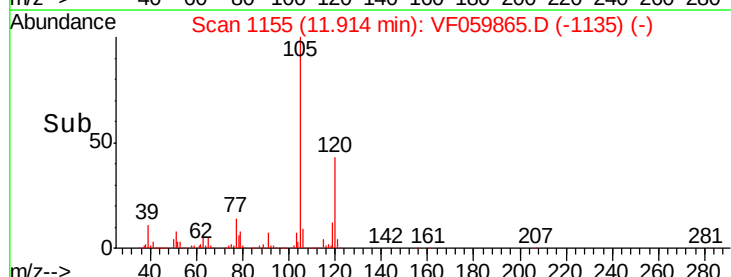
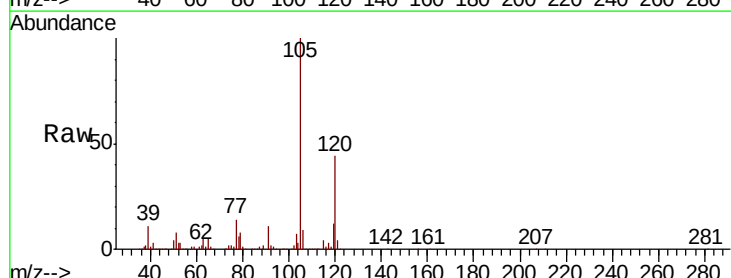
Acq: 4 Aug 2018 4:44

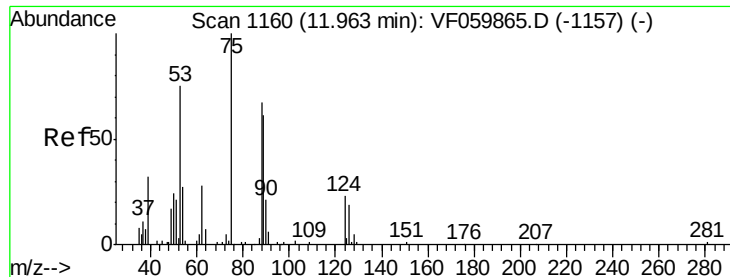
Tgt Ion: 105 Resp: 533419

Ion Ratio Lower Upper

105 100

120 43.8 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 40.76 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 30427
Ion Ratio Lower Upper

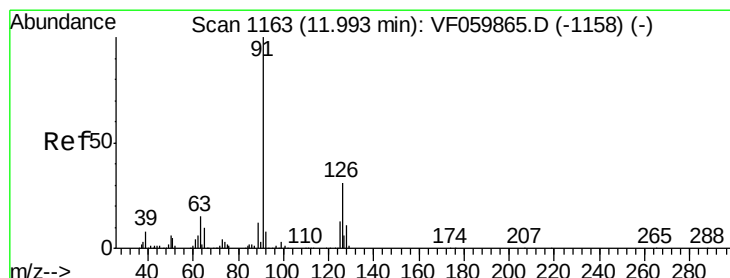
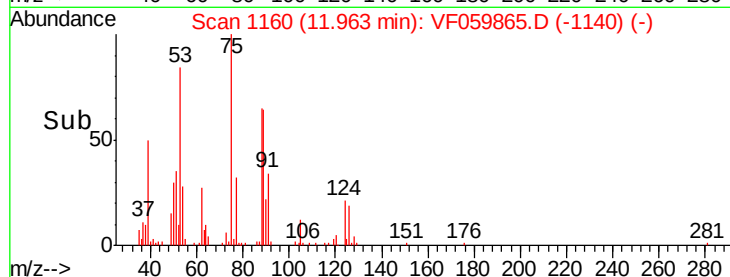
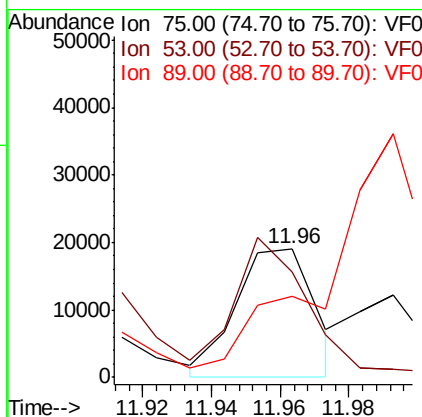
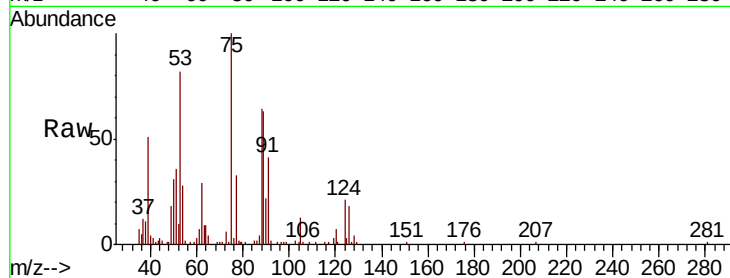
75 100

53 82.4 65.9 98.9

89 63.3 50.6 76.0

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#82

4-Chlorotoluene

Concen: 47.80 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

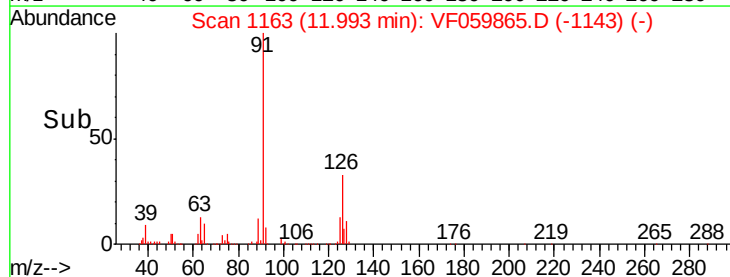
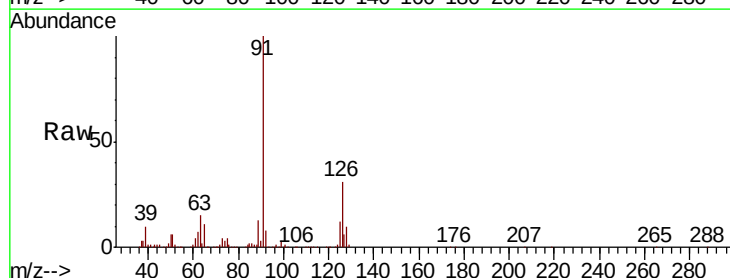
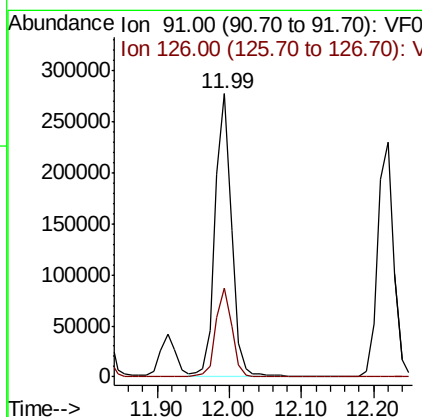
Lab File: VF059865.D

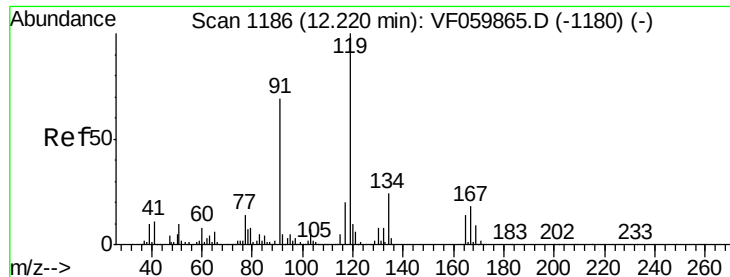
Acq: 4 Aug 2018 4:44

Tgt Ion: 91 Resp: 432207
Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.0





#83

tert-Butylbenzene

Concen: 49.94 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF059865.D

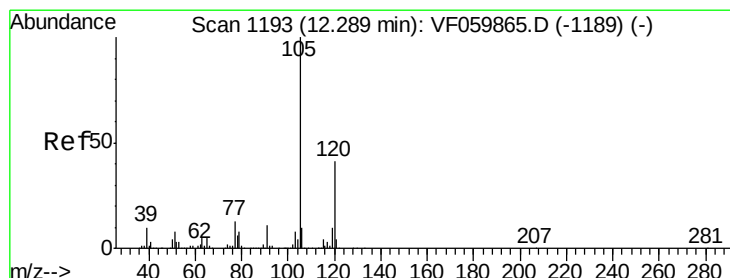
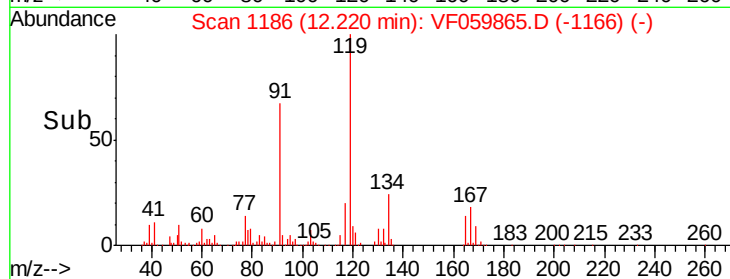
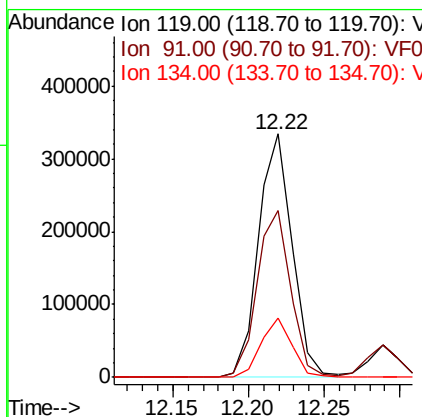
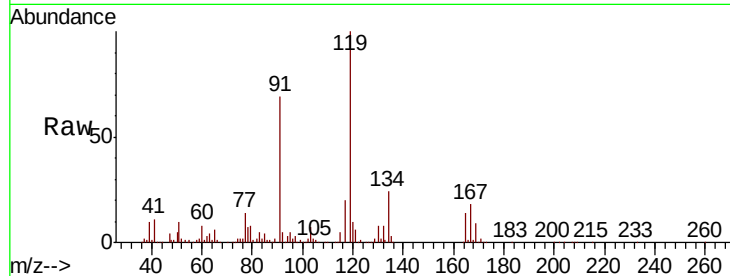
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	521838		
91	68.8	34.4	103.2	
134	24.2	12.1	36.3	

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#84

1,2,4-Trimethylbenzene

Concen: 50.77 ug/l

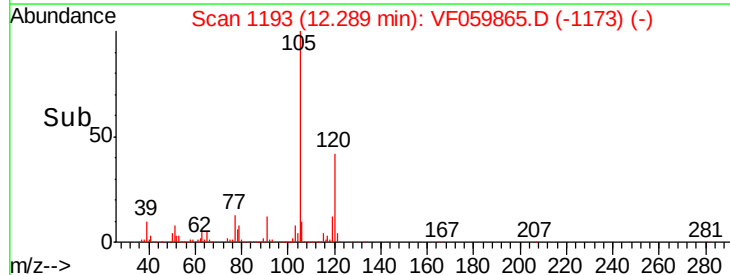
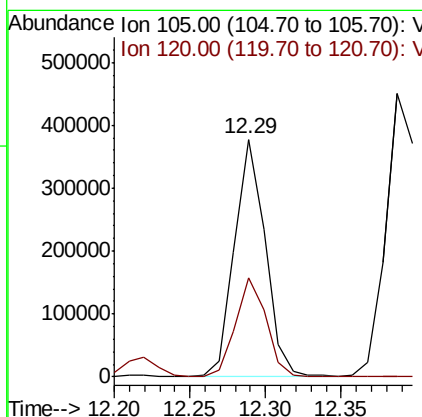
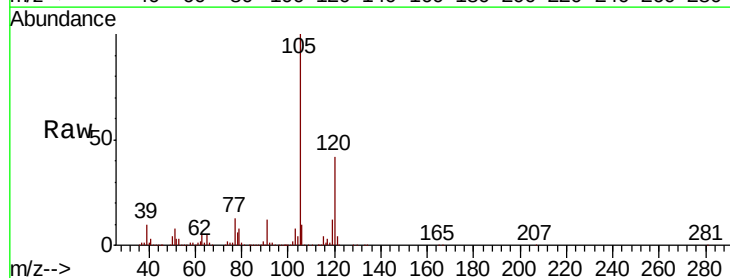
RT: 12.29 min Scan# 1193

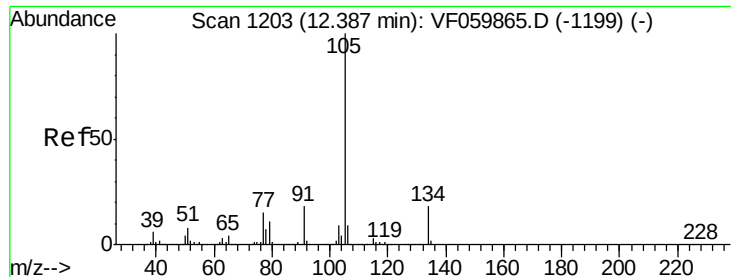
Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	536630		
120	41.7	20.8	62.5	





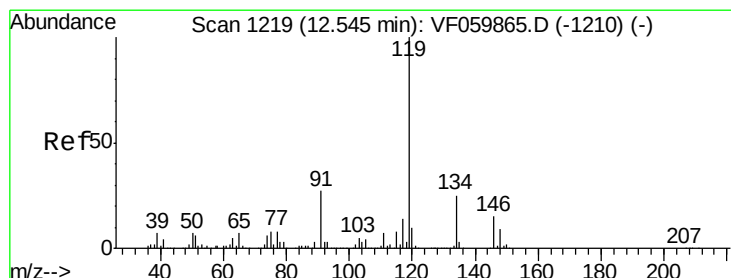
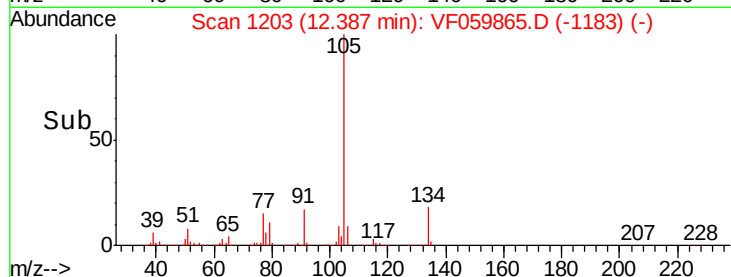
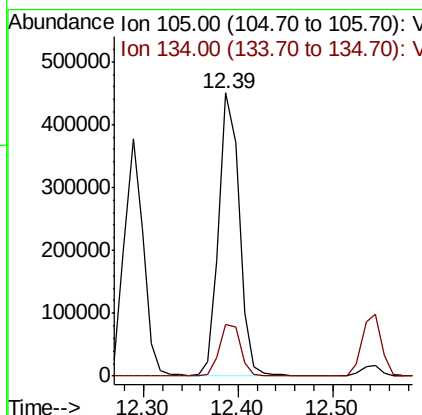
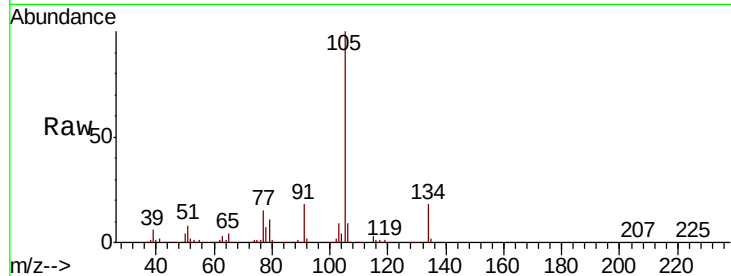
#85
 sec-Butylbenzene
 Concen: 50.76 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	682926		
134	18.2	9.1	27.3	

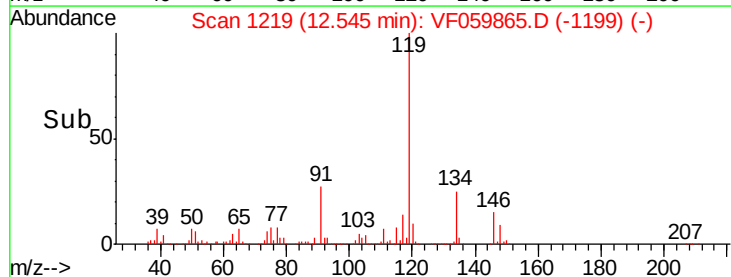
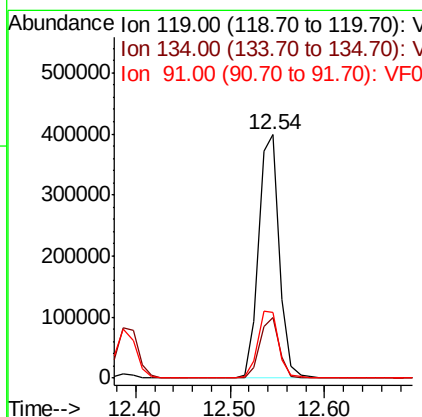
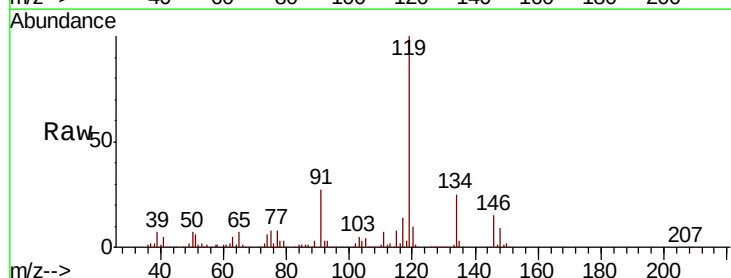
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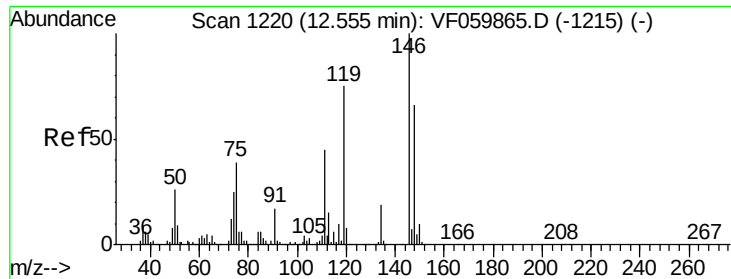
apatel
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#86
 p-Isopropyltoluene
 Concen: 51.29 ug/l
 RT: 12.54 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	608686		
134	24.7	12.4	37.0	
91	27.1	13.6	40.7	





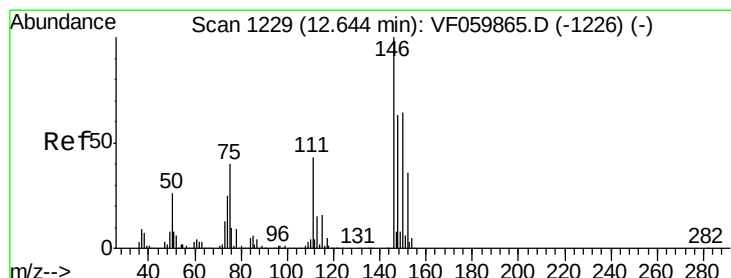
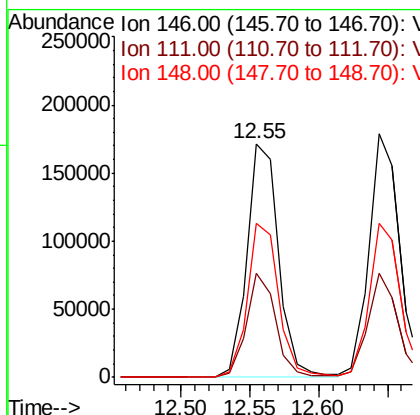
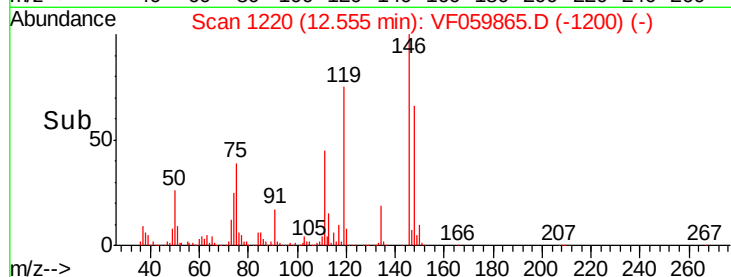
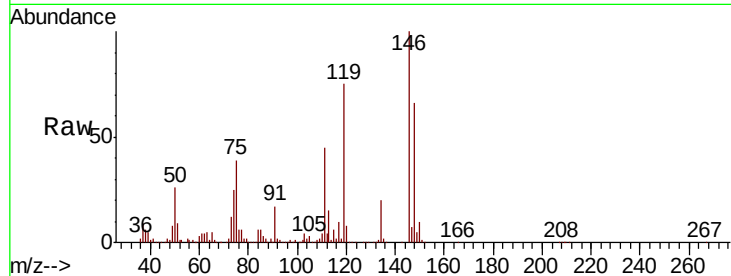
#87
 1,3-Dichlorobenzene
 Concen: 47.62 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	276309		
111	44.7	22.4	67.0	
148	66.2	33.1	99.3	

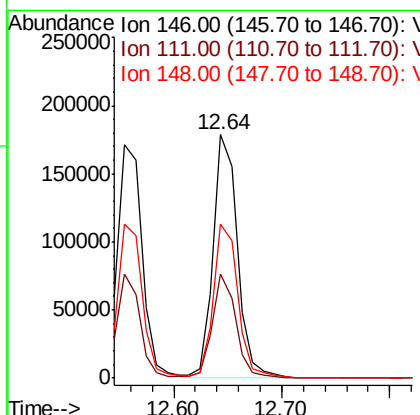
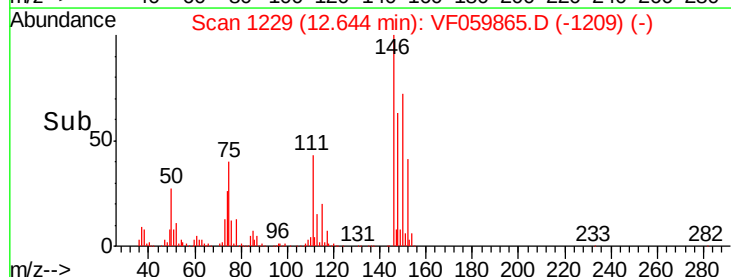
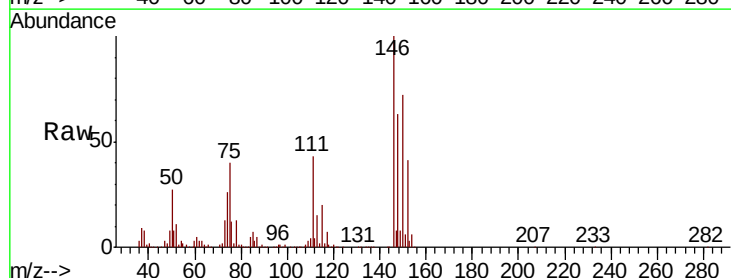
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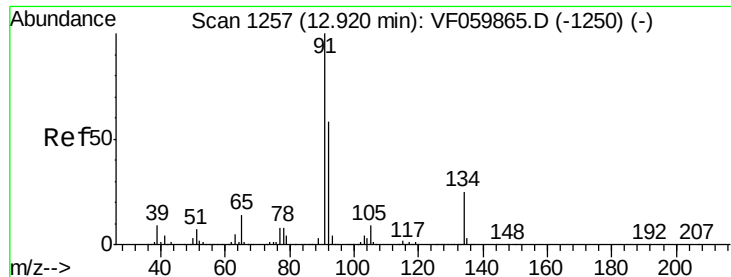
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 49.02 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	278184		
111	42.8	21.4	64.2	
148	63.1	31.6	94.7	





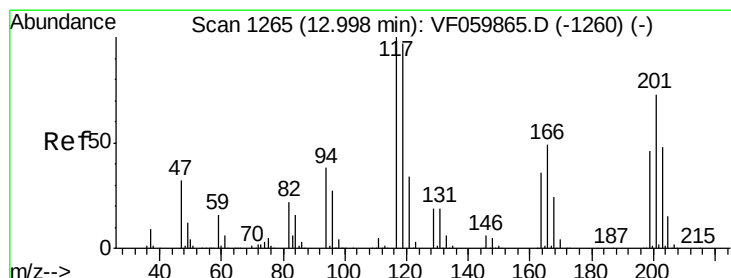
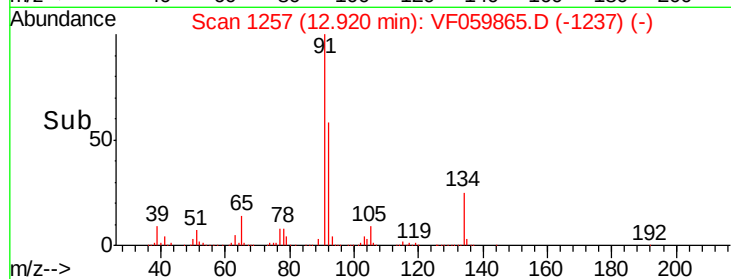
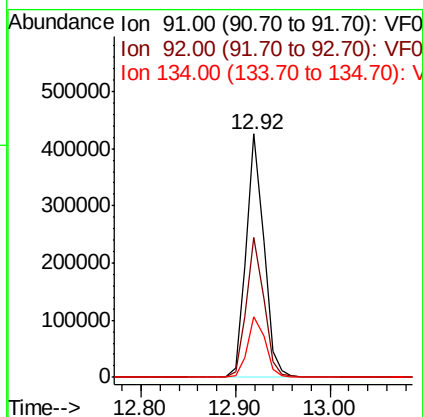
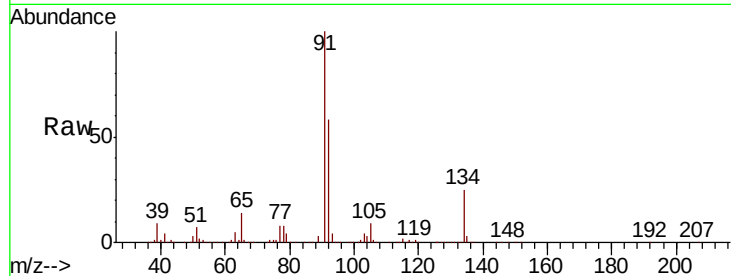
#89
n-Butylbenzene
Concen: 49.61 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	28.8	86.5
134	25.1	12.6	37.6

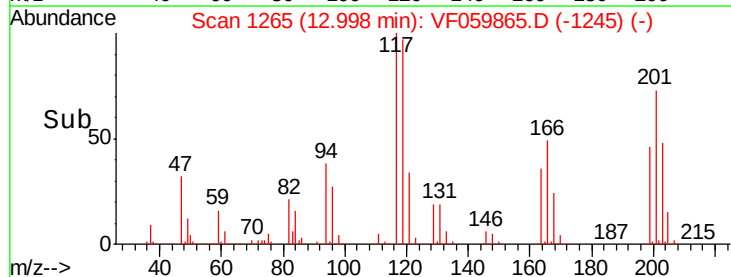
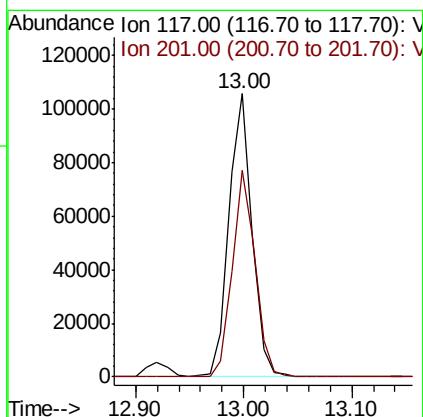
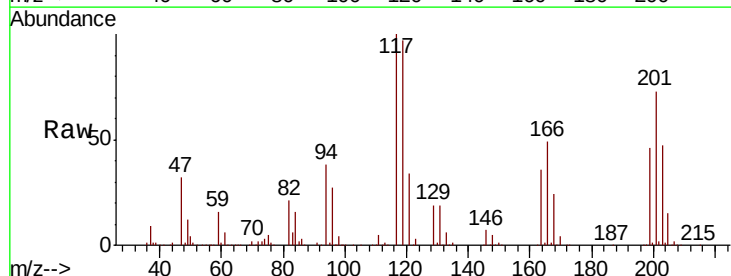
Manual Integrations
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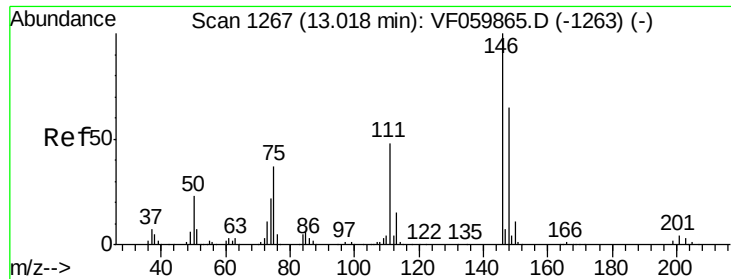
apatel
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#90
Hexachloroethane
Concen: 52.92 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059865.D
Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	36.6	109.8





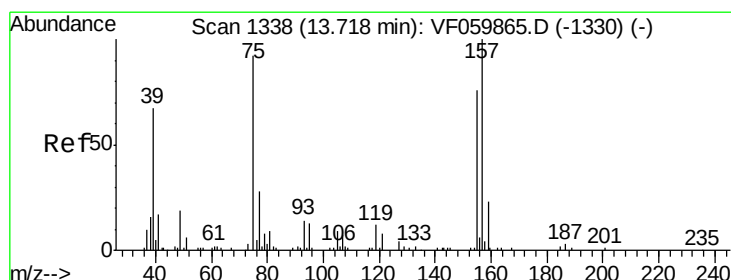
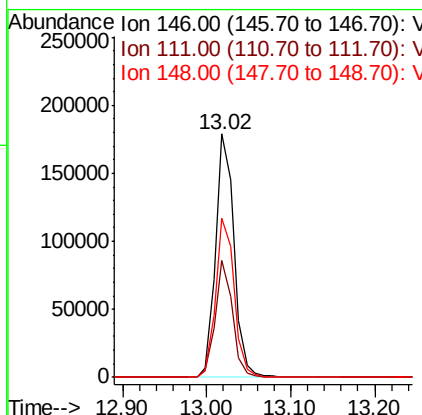
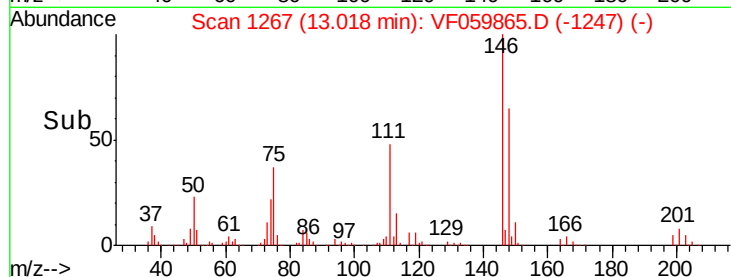
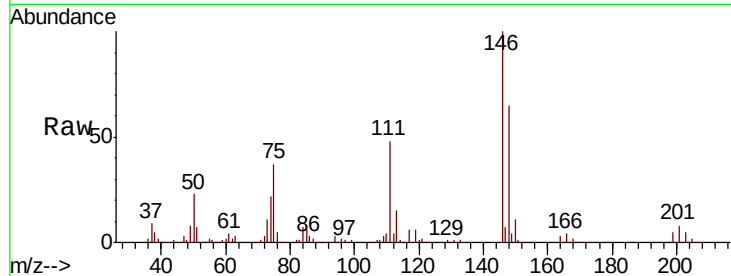
#91
 1,2-Dichlorobenzene
 Concen: 48.67 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.1	72.2
148	65.5	32.8	98.3

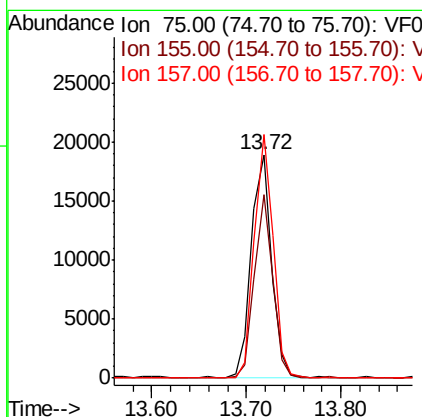
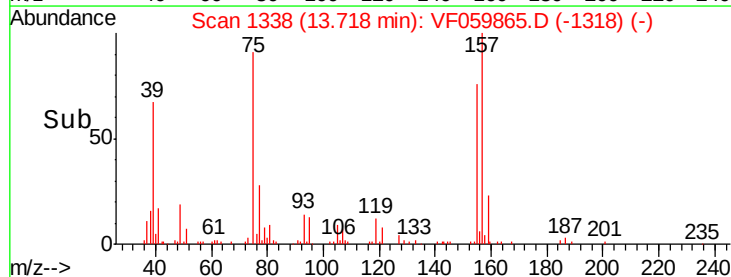
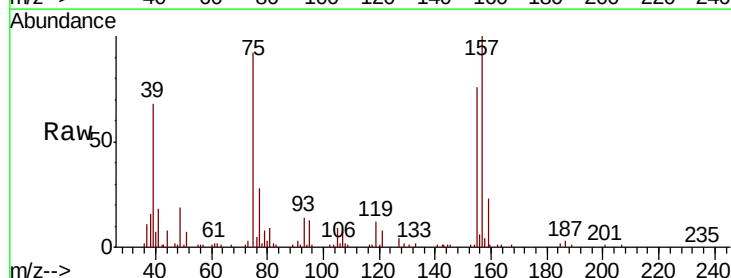
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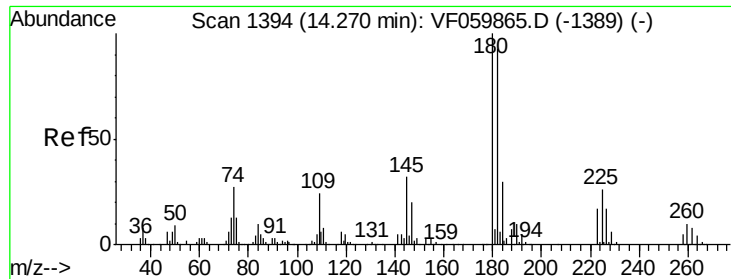
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.56 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	41.2	123.6
157	109.1	54.5	163.6





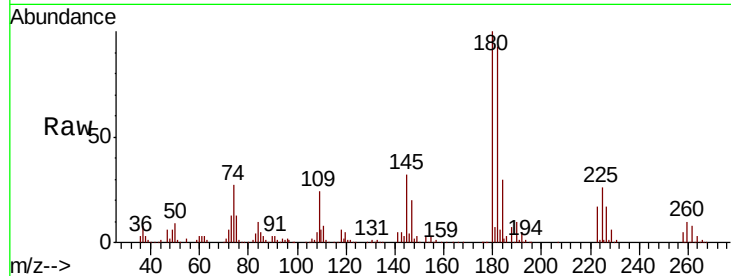
#93
 1,2,4-Trichlorobenzene
 Concen: 49.50 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	215825		
182	92.8	46.4	139.2	
145	31.8	15.9	47.7	

Manual Integrations
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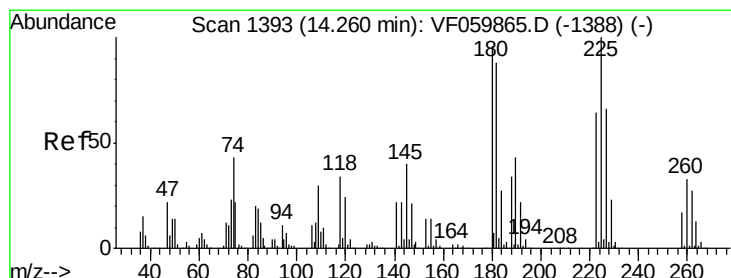
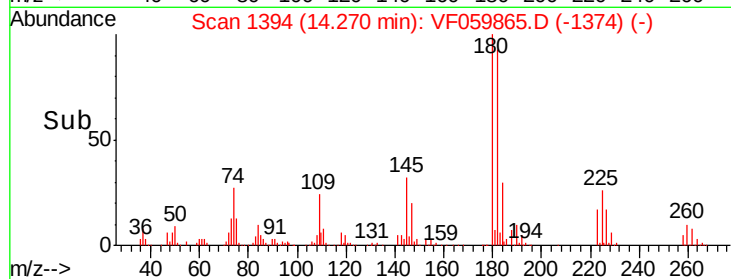
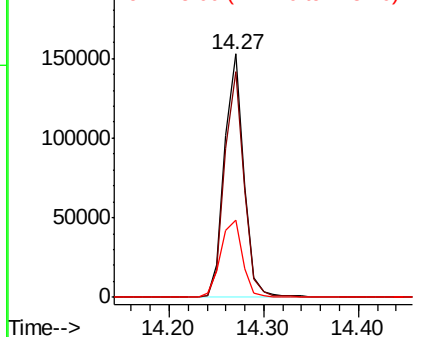


Abundance

Ion 180.00 (179.70 to 180.70): V

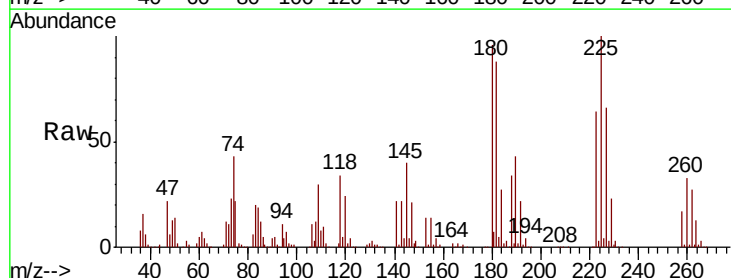
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 51.30 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059865.D
 Acq: 4 Aug 2018 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149904		
223	63.9	31.9	95.9	
227	65.6	32.8	98.4	

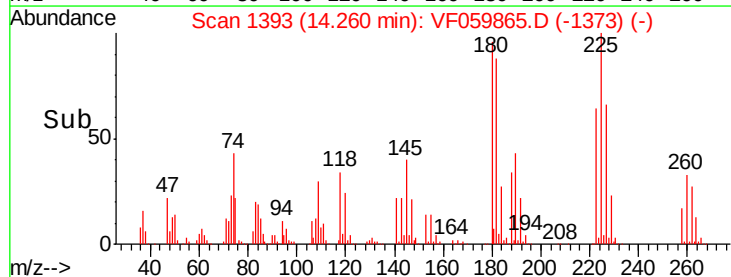
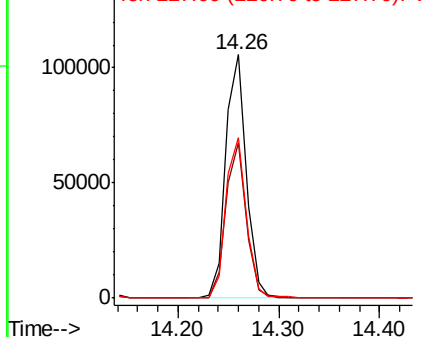


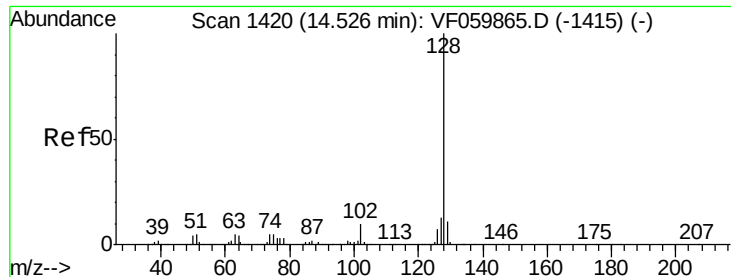
Abundance

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: 50.09 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Instrument :

MSVOA_F

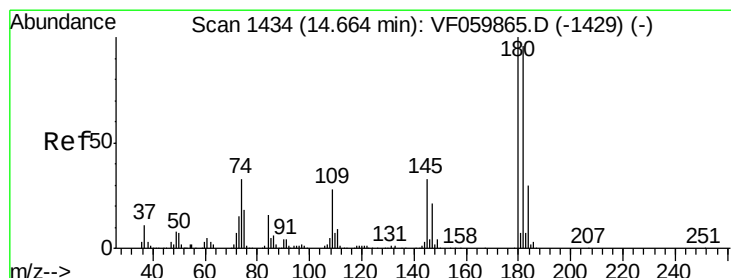
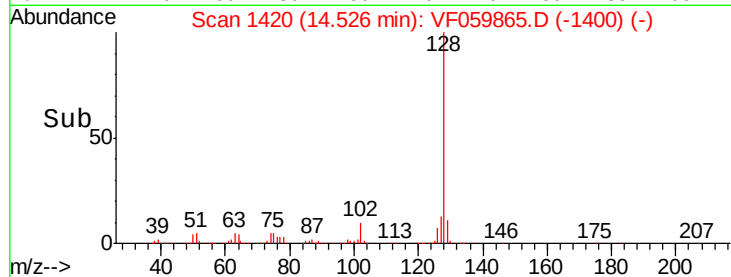
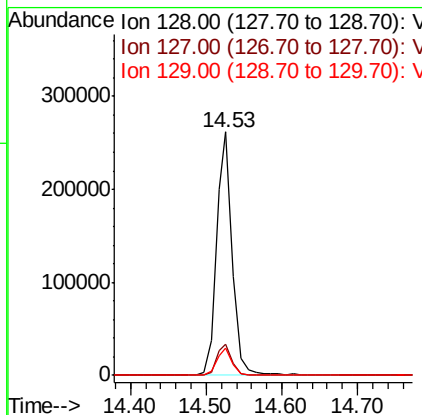
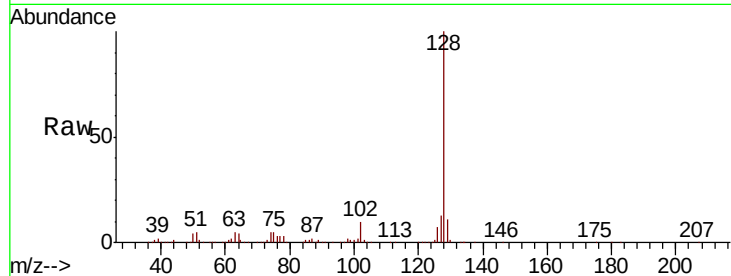
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	382084
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.3	9.0	13.6

Manual Integrations
APPROVED

apatel
8/6/2018 10:26:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.33 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059865.D

Acq: 4 Aug 2018 4:44

Tgt Ion:	180	Resp:	217368
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.1	144.3
145	33.2	16.6	49.8

