

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112818\
 Data File : VF060850.D
 Acq On : 28 Nov 2018 11:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 11/29/2018 2:54:33 PM

Quant Time: Nov 29 03:44:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	222674	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	350276	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.80	117	345463	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	171382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	123358	47.03	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	4.13	113	138818	49.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	7.58	98	405739	49.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.42	95	183924	49.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	157705	47.37	ug/l	95
3) Chloromethane	1.10	50	99878	46.10	ug/l	97
4) Vinyl Chloride	1.14	62	98578	48.78	ug/l	99
5) Bromomethane	1.34	94	71639	50.27	ug/l	90
6) Chloroethane	1.39	64	45373	51.94	ug/l	93
7) Trichlorofluoromethane	1.49	101	200748	46.30	ug/l	96
8) Diethyl Ether	1.64	74	31035	49.78	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	103947	47.42	ug/l	91
10) Methyl Iodide	1.91	142	137734	41.34	ug/l	97
11) Tert butyl alcohol	2.58	59	25234	234.67	ug/l	99
12) 1,1-Dichloroethene	1.80	96	81966	46.49	ug/l	94
13) Acrolein	2.01	56	26212	257.28	ug/l	95
14) Allyl chloride	2.10	41	94783	43.13	ug/l	97
15) Acrylonitrile	2.96	53	57571	238.81	ug/l	91
16) Acetone	2.25	43	141810	293.16	ug/l	96
17) Carbon Disulfide	1.84	76	223025	47.18	ug/l	98
18) Methyl Acetate	2.36	43	42010	51.83	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	187175	47.13	ug/l	99
20) Methylene Chloride	2.26	84	81230m	45.77	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	61747	36.33	ug/l	98
22) Diisopropyl ether	2.81	45	289586	48.41	ug/l	95
23) Vinyl Acetate	3.21	43	677021	247.60	ug/l	97
24) 1,1-Dichloroethane	2.88	63	168639	47.38	ug/l	100
25) 2-Butanone	4.35	43	219934	262.86	ug/l	100
26) 2,2-Dichloropropane	3.61	77	100196	43.43	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	142892	51.64	ug/l	90
28) Bromochloromethane	3.74	49	78293	45.84	ug/l	90
29) Tetrahydrofuran	4.09	42	77124	217.46	ug/l	97
30) Chloroform	3.88	83	250543	45.74	ug/l	97
31) Cyclohexane	3.71	56	169997m	46.03	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	153012	40.28	ug/l	94
36) 1,1-Dichloropropene	4.29	75	192662	49.59	ug/l	96
37) Ethyl Acetate	4.13	43	76147	48.23	ug/l	84
38) Carbon Tetrachloride	4.00	117	146720	42.76	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	191771	47.10	ug/l	99
40) Benzene	4.65	78	431621	50.29	ug/l	100
41) Methacrylonitrile	4.76	41	40889	50.02	ug/l	96
42) 1,2-Dichloroethane	4.96	62	145173	46.33	ug/l	98
43) Isopropyl Acetate	6.97	43	97127	49.85	ug/l #	96
44) Trichloroethene	5.52	130	134170	47.81	ug/l	96
45) 1,2-Dichloropropane	6.25	63	117595	52.75	ug/l	97
46) Dibromomethane	6.11	93	72981	48.26	ug/l	93
47) Bromodichloromethane	6.40	83	195062	48.57	ug/l	97
48) Methyl methacrylate	6.74	41	65382	45.75	ug/l	95
49) 1,4-Dioxane	6.73	88	10093	964.99	ug/l	96
51) 4-Methyl-2-Pentanone	8.28	43	323732	222.35	ug/l	100
52) Toluene	7.64	92	290842	48.24	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	152820	46.78	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	201017	49.70	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	85808	48.85	ug/l	99
56) Ethyl methacrylate	8.64	69	94233	48.29	ug/l	93
57) 1,3-Dichloropropane	8.87	76	153324	49.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.31	63	34424	172.46	ug/l	95
59) 2-Hexanone	9.51	43	261674	256.19	ug/l	98
60) Dibromochloromethane	8.73	129	120184	45.92	ug/l	97
61) 1,2-Dibromoethane	9.01	107	88480	46.62	ug/l	90
64) Tetrachloroethene	8.17	164	122309	46.35	ug/l	98
65) Chlorobenzene	9.81	112	322541	47.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	123902	42.88	ug/l	97
67) Ethyl Benzene	9.92	91	563216	45.02	ug/l	97
68) m/p-Xylenes	10.15	106	412832	91.74	ug/l	92
69) o-Xylene	10.73	106	230844	46.52	ug/l	96
70) Styrene	10.80	104	318983	46.37	ug/l	99
71) Bromoform	10.79	173	63347	45.39	ug/l	96
73) Isopropylbenzene	11.14	105	684947	50.57	ug/l	98
74) N-amyl acetate	11.38	43	157772	50.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	113220	50.79	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	81328	50.20	ug/l	99
77) Bromobenzene	11.51	156	145016	48.84	ug/l	91
78) n-propylbenzene	11.61	91	795162	50.13	ug/l	97
79) 2-Chlorotoluene	11.74	91	451883	49.69	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	541951	49.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	39802m	50.14	ug/l	
82) 4-Chlorotoluene	11.92	91	455553	47.60	ug/l	94
83) tert-Butylbenzene	12.14	119	547402	48.88	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	537088	48.95	ug/l	97
85) sec-Butylbenzene	12.32	105	752110	49.06	ug/l	100
86) p-Isopropyltoluene	12.48	119	630495	49.05	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	272885	48.32	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	261868	47.58	ug/l	97
89) n-Butylbenzene	12.85	91	627778	48.30	ug/l	96
90) Hexachloroethane	12.93	117	157635	50.93	ug/l	92
91) 1,2-Dichlorobenzene	12.96	146	258201	48.27	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.66	75	19895	46.17	ug/l	91

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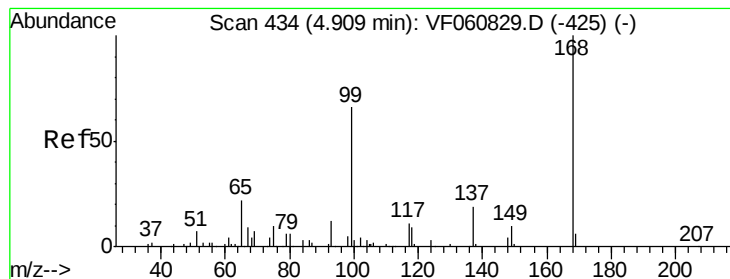
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	175944	47.08	ug/l	99
94) Hexachlorobutadiene	14.20	225	117597	47.20	ug/l	99
95) Naphthalene	14.47	128	327800	44.83	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	169444	48.83	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

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ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 222674

Ion Ratio Lower Upper

168 100

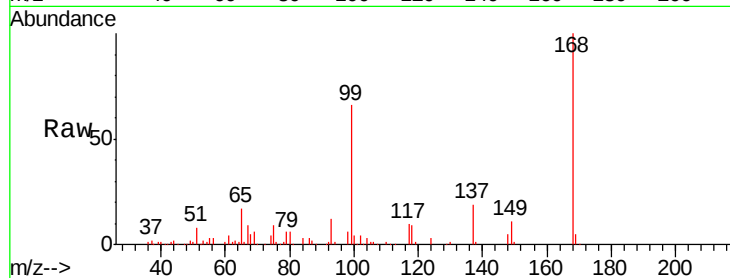
99 65.5 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

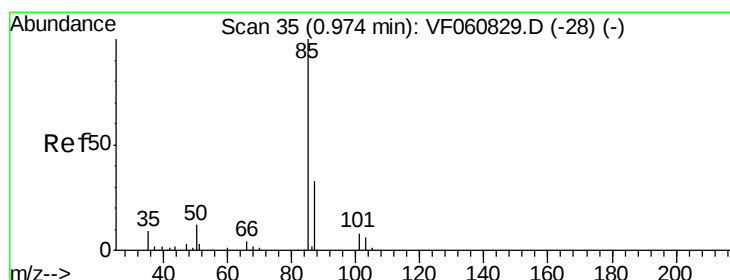
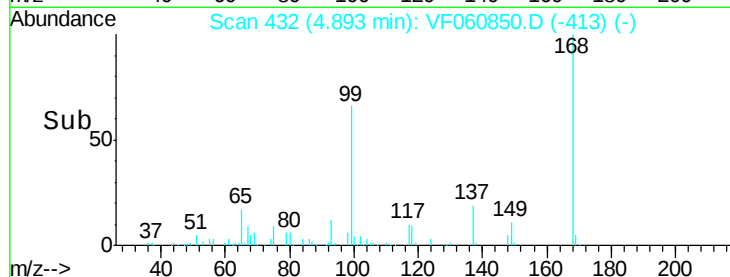
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 47.37 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060850.D

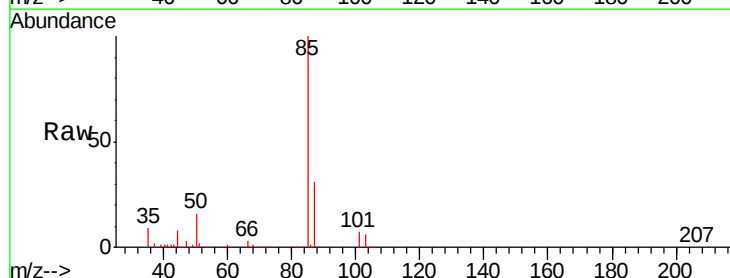
Acq: 28 Nov 2018 11:04

Tgt Ion: 85 Resp: 157705

Ion Ratio Lower Upper

85 100

87 30.7 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

50000

40000

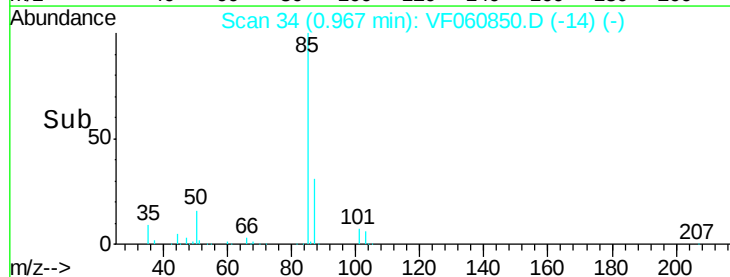
30000

20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 46.10 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 99878

Ion Ratio Lower Upper

50 100

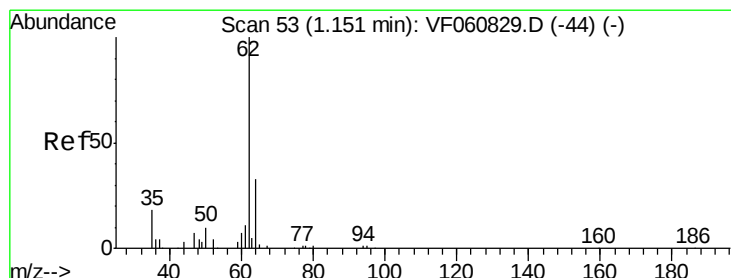
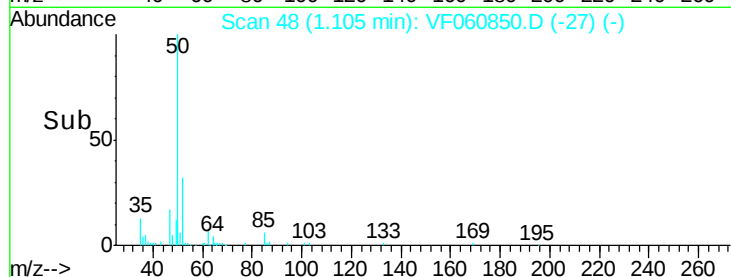
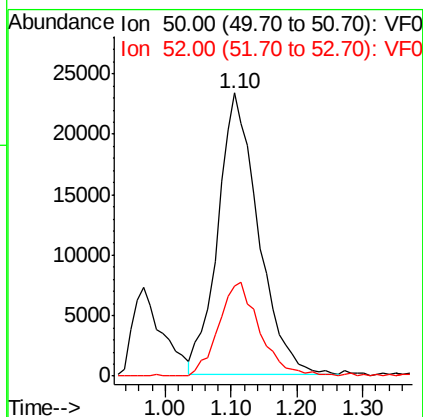
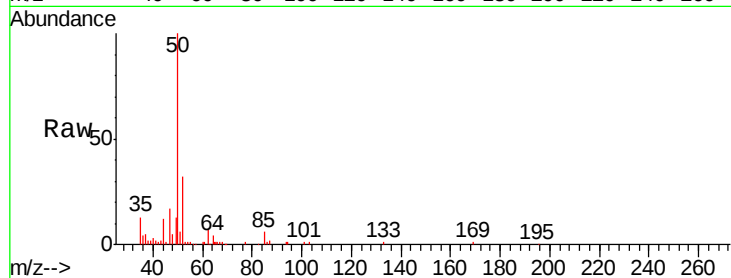
52 31.9 27.0 40.4

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#4

Vinyl Chloride

Concen: 48.78 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060850.D

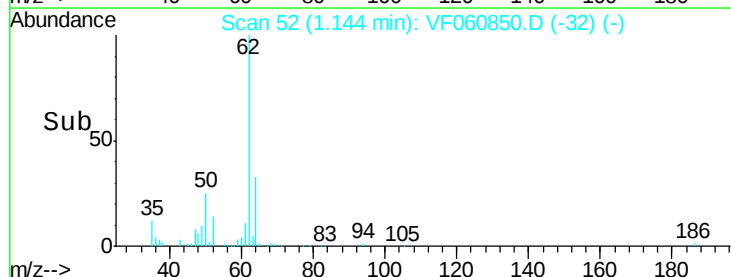
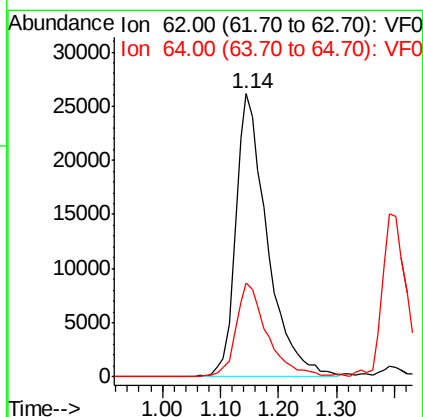
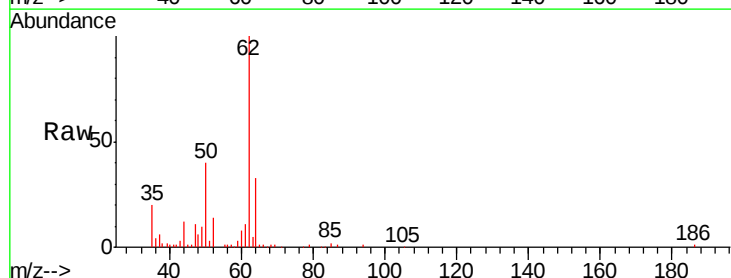
Acq: 28 Nov 2018 11:04

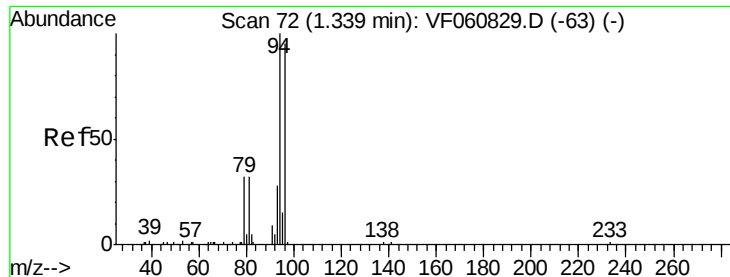
Tgt Ion: 62 Resp: 98578

Ion Ratio Lower Upper

62 100

64 33.4 26.4 39.6





#5

Bromomethane

Concen: 50.27 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 71639

Ion Ratio Lower Upper

94 100

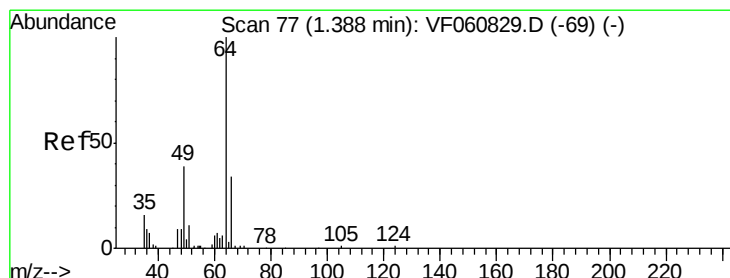
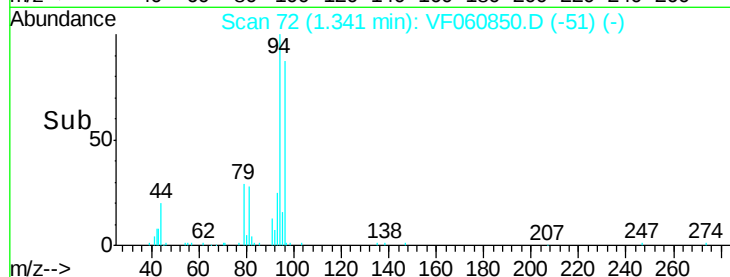
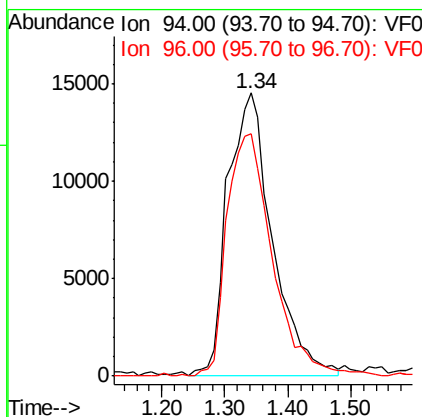
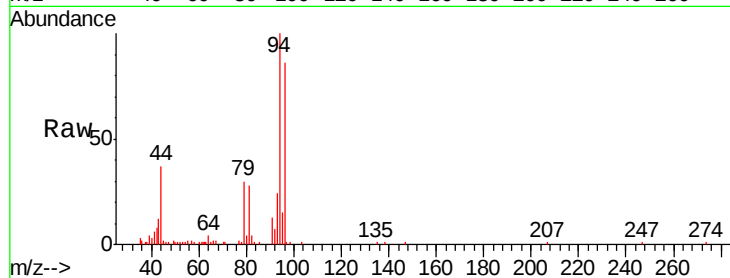
96 85.5 75.9 113.9

Manual Integrations

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11/29/2018 2:54:33 PM



#6

Chloroethane

Concen: 51.94 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF060850.D

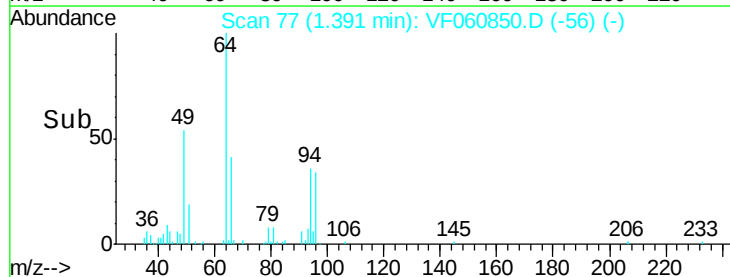
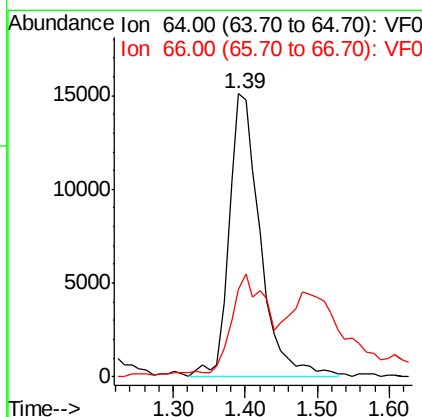
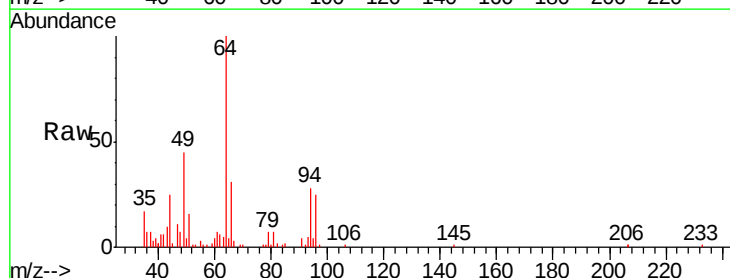
Acq: 28 Nov 2018 11:04

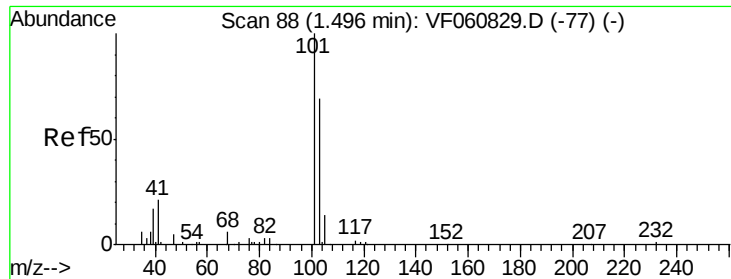
Tgt Ion: 64 Resp: 45373

Ion Ratio Lower Upper

64 100

66 30.9 28.1 42.1





#7

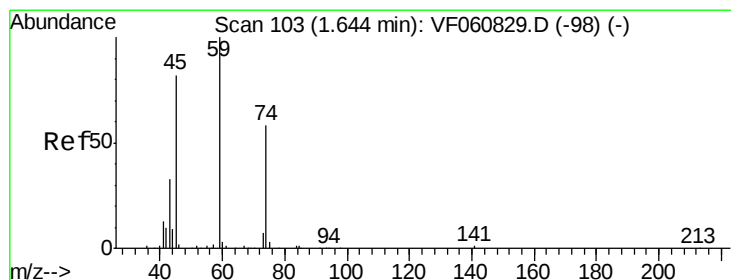
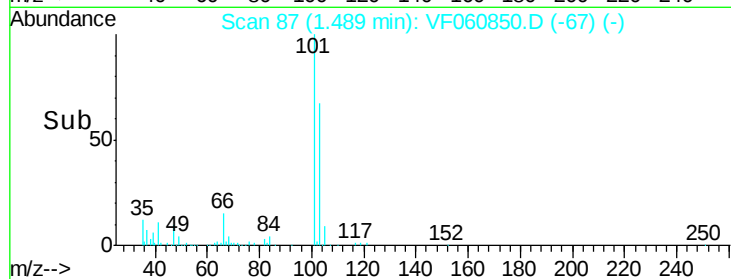
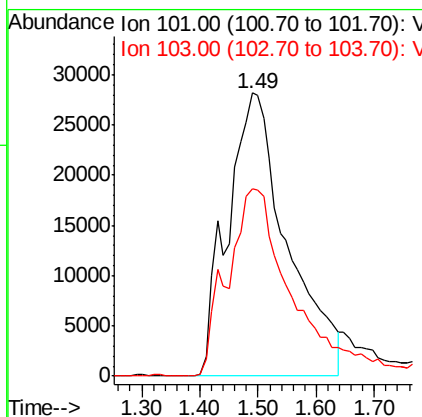
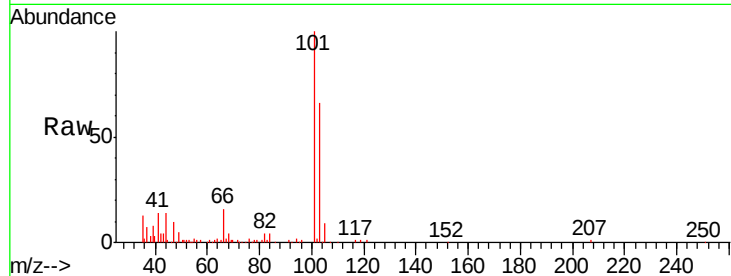
Trichlorofluoromethane
Concen: 46.30 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF060850.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.2	55.4	83.0

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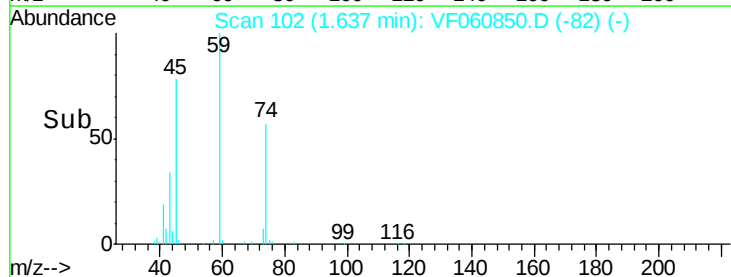
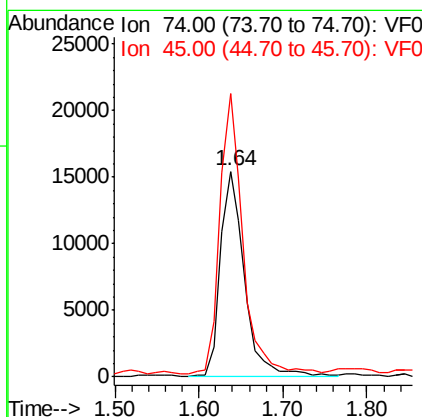
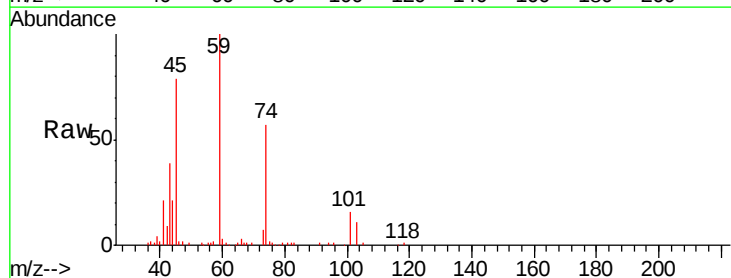
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#8

Diethyl Ether
Concen: 49.78 ug/l
RT: 1.64 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.5	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.42 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

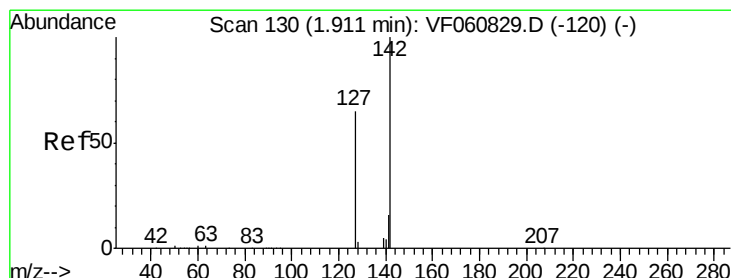
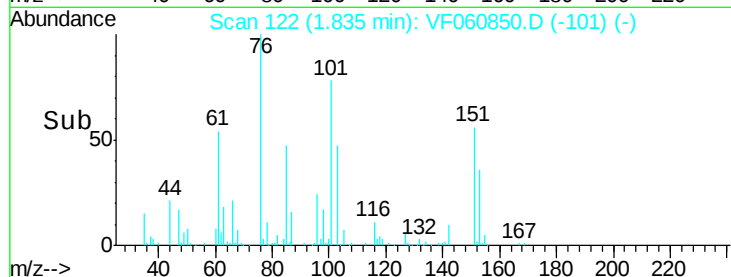
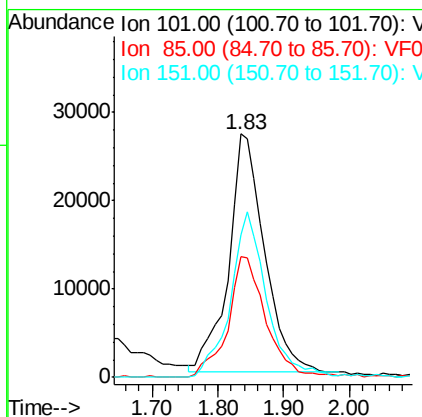
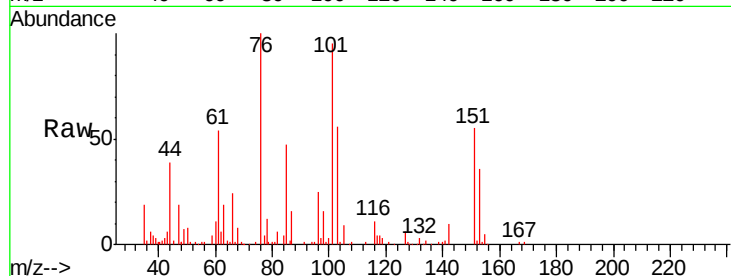
ClientSampleId :

VSTDCCC050

Tgt	Ion:101	Resp:	103947
Ion	Ratio	Lower	Upper
101	100		
85	49.3	42.8	64.2
151	58.4	54.4	81.6

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#10

Methyl Iodide

Concen: 41.34 ug/l

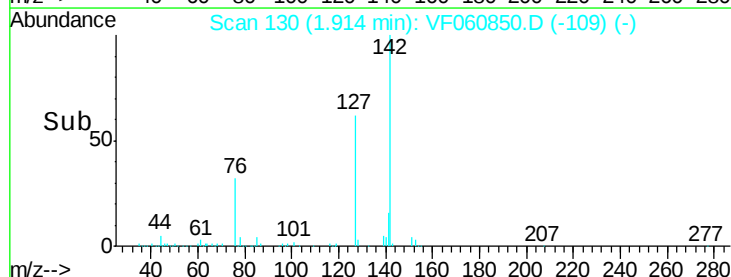
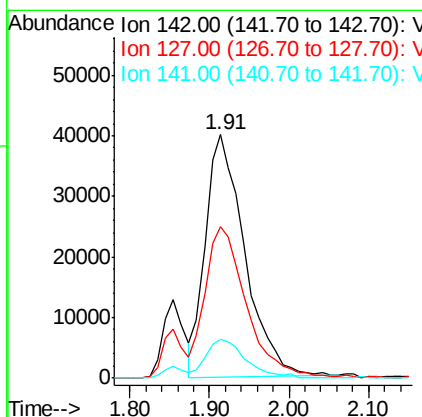
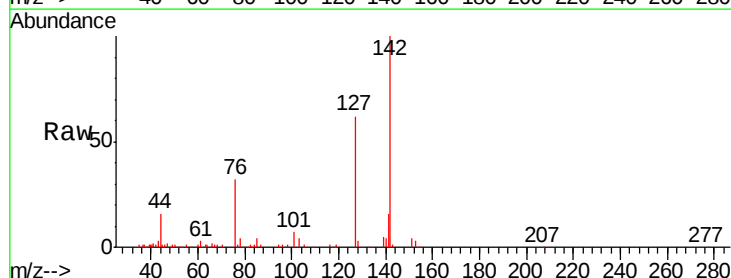
RT: 1.91 min Scan# 130

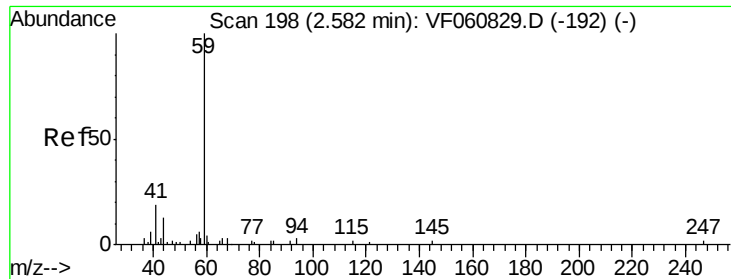
Delta R.T. 0.00 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt	Ion:142	Resp:	137734
Ion	Ratio	Lower	Upper
142	100		
127	62.1	51.9	77.9
141	16.1	12.7	19.1





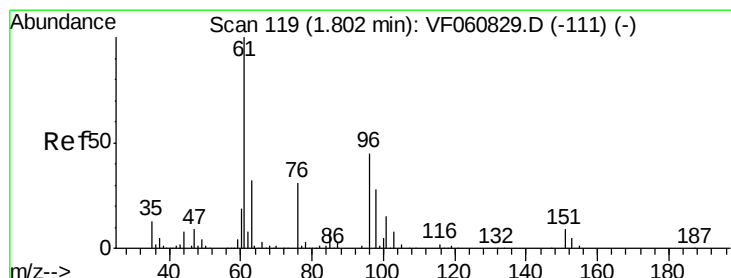
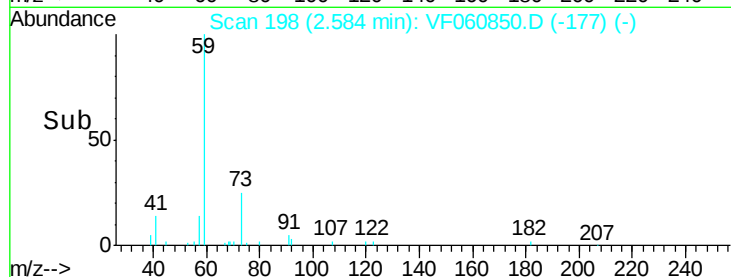
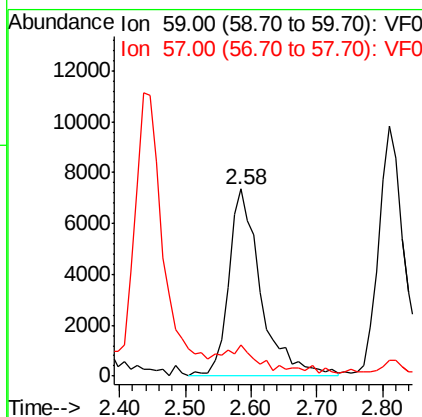
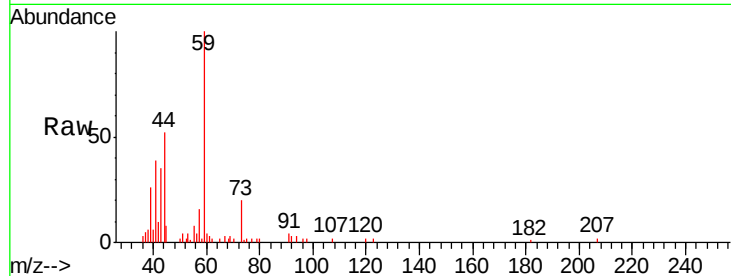
#11
Tert butyl alcohol
Concen: 234.67 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 25234
Ion Ratio Lower Upper
59 100
57 16.3 12.7 19.1

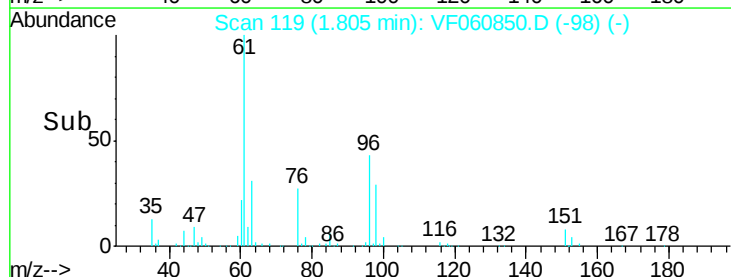
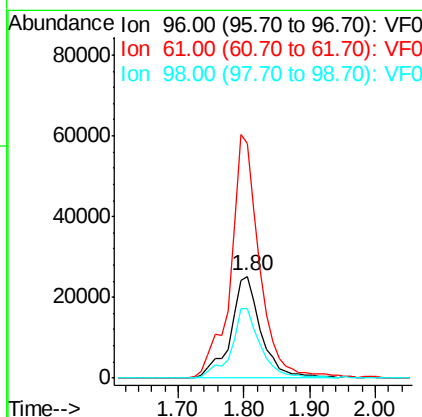
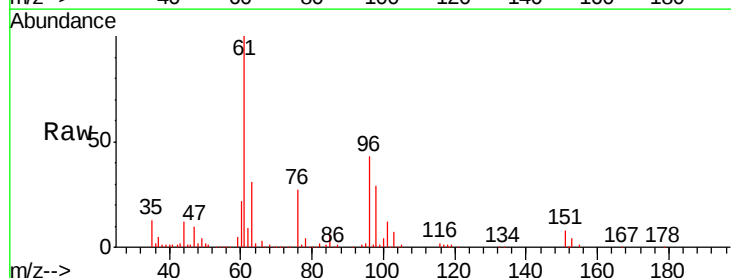
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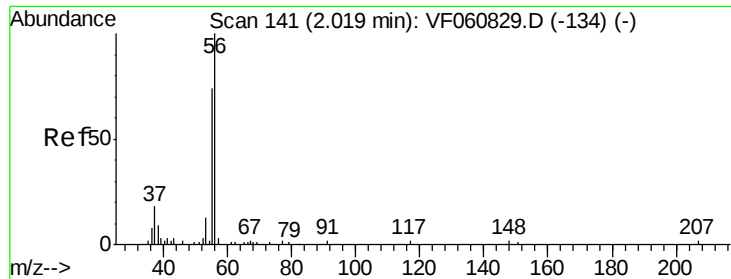
apatel
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#12
1,1-Dichloroethene
Concen: 46.49 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion: 96 Resp: 81966
Ion Ratio Lower Upper
96 100
61 230.3 177.3 265.9
98 67.9 49.6 74.4





#13

Acrolein

Concen: 257.28 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 26212

Ion Ratio Lower Upper

56 100

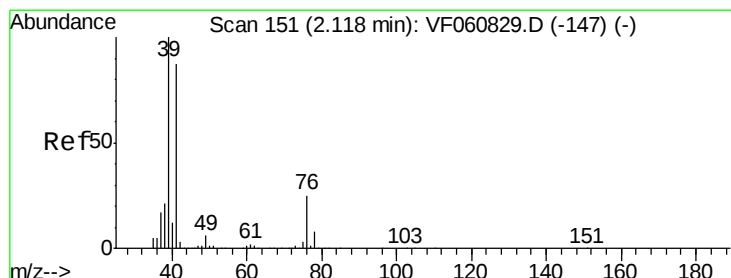
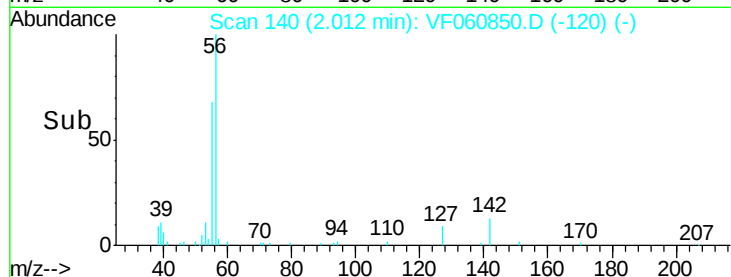
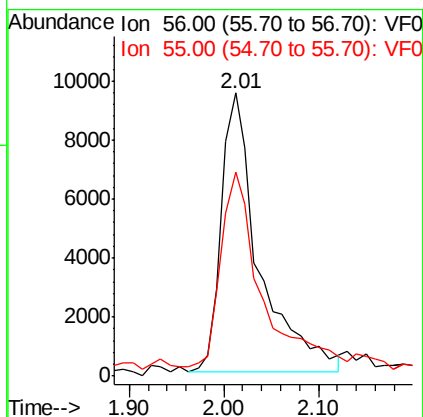
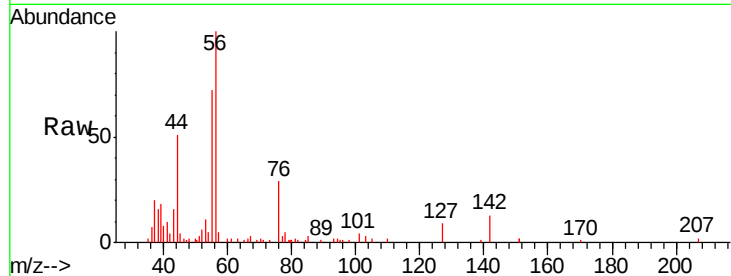
55 72.2 61.2 91.8

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#14

Allyl chloride

Concen: 43.13 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

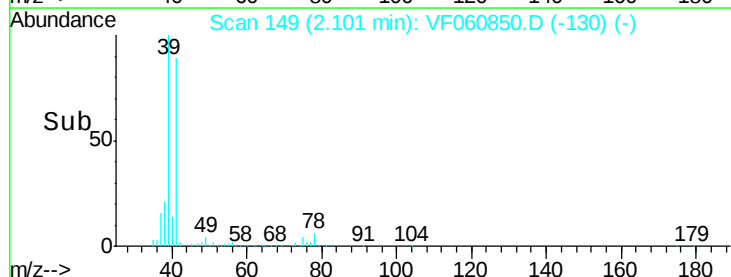
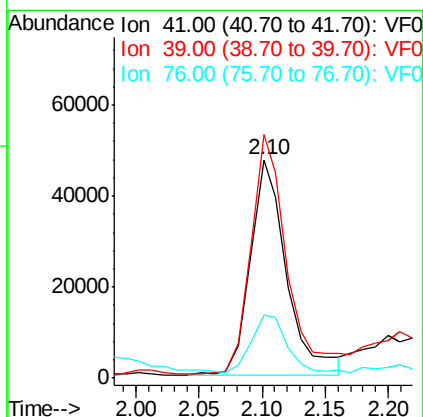
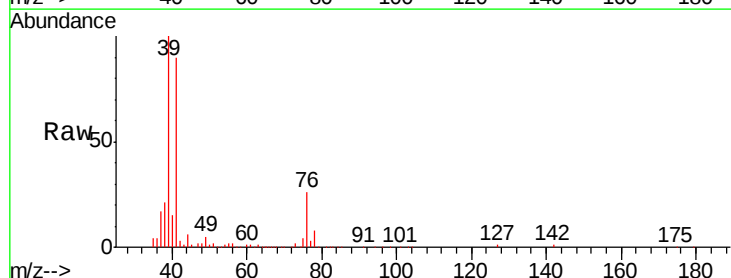
Tgt Ion: 41 Resp: 94783

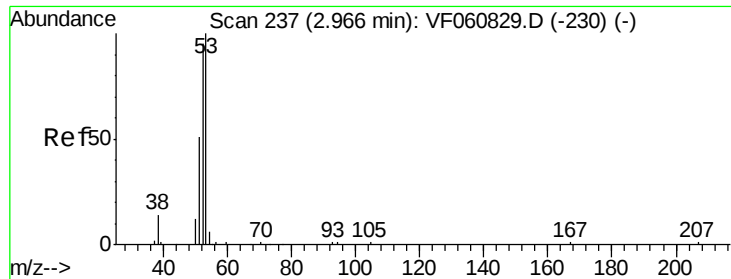
Ion Ratio Lower Upper

41 100

39 111.4 91.7 137.5

76 28.8 23.5 35.3





#15

Acrylonitrile

Concen: 238.81 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

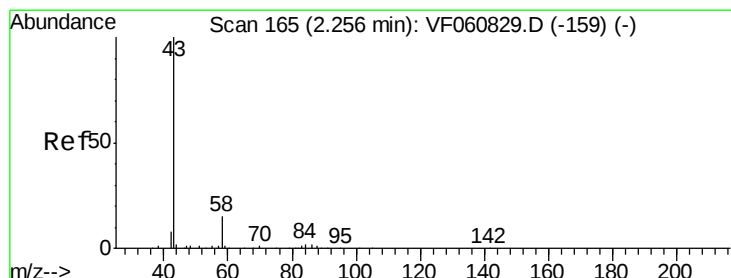
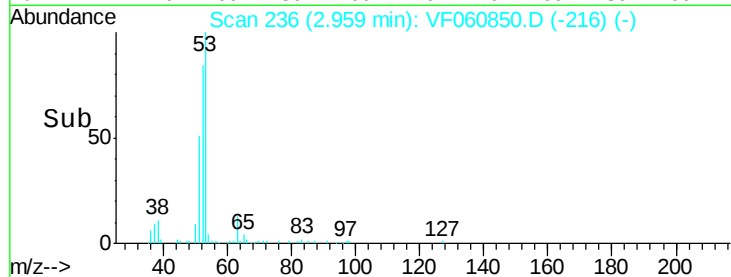
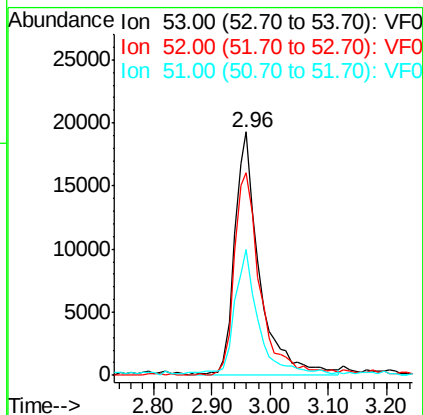
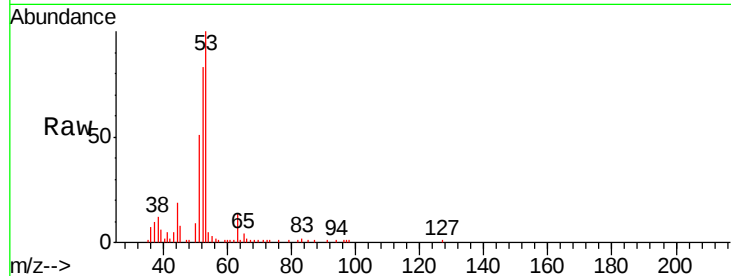
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	57571
Ion Ratio	Lower	Upper	
53	100		
52	83.0	76.5	114.7
51	51.5	40.7	61.1

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#16

Acetone

Concen: 293.16 ug/l

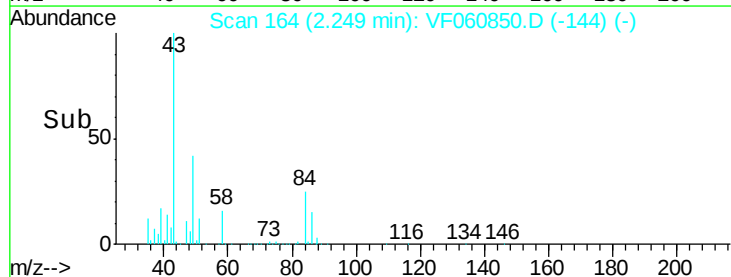
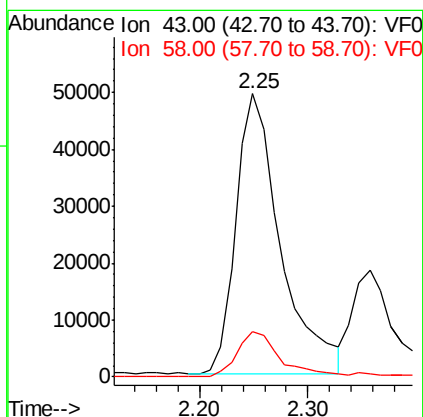
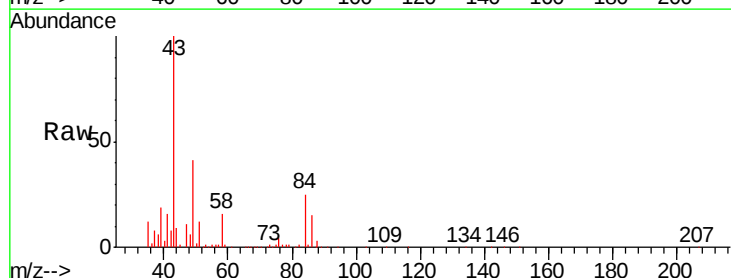
RT: 2.25 min Scan# 164

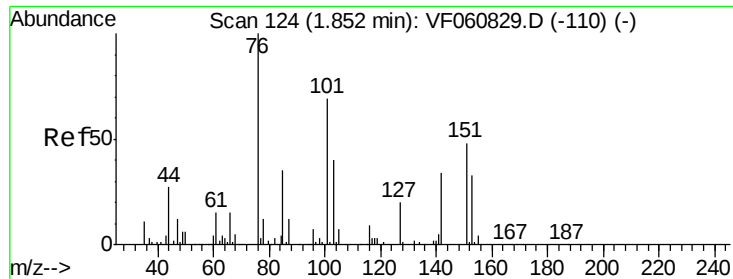
Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion:	43	Resp:	141810
Ion Ratio	Lower	Upper	
43	100		
58	15.8	11.4	17.2





#17

Carbon Disulfide

Concen: 47.18 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 223025

Ion Ratio Lower Upper

76 100

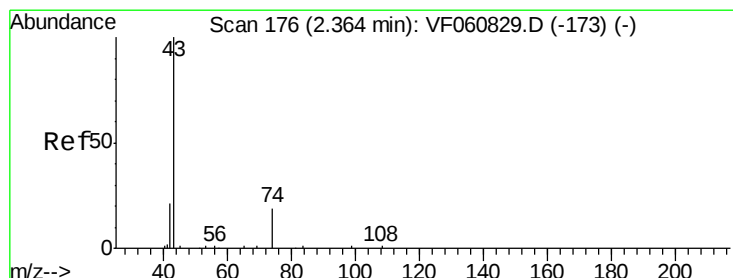
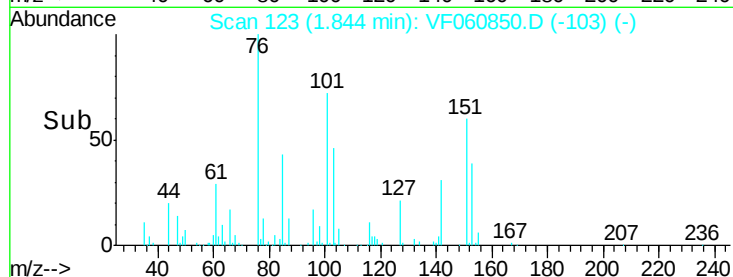
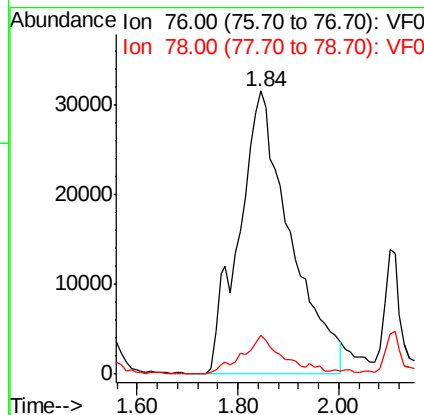
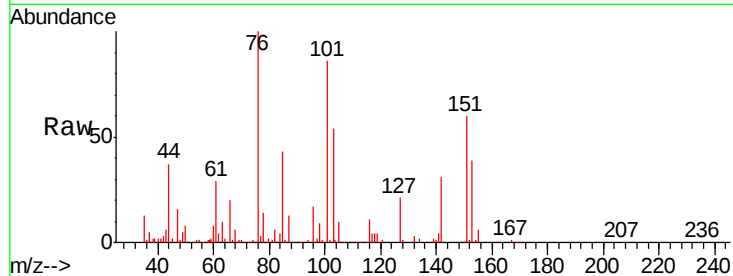
78 13.6 10.2 15.2

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#18

Methyl Acetate

Concen: 51.83 ug/l

RT: 2.36 min Scan# 175

Delta R.T. -0.01 min

Lab File: VF060850.D

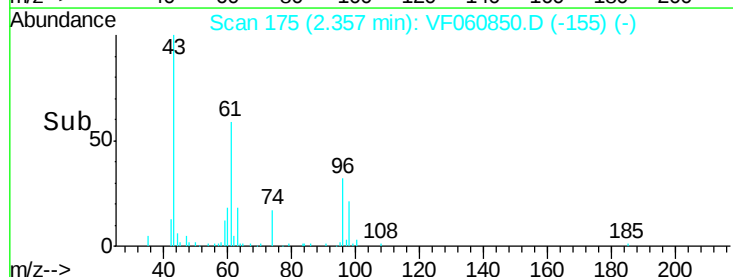
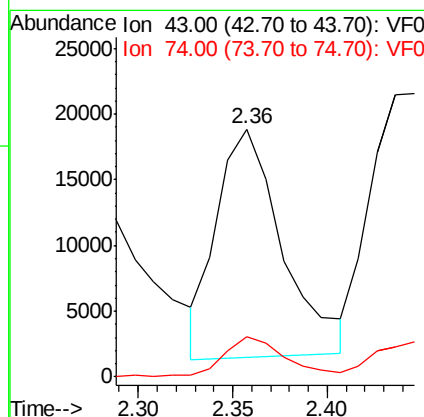
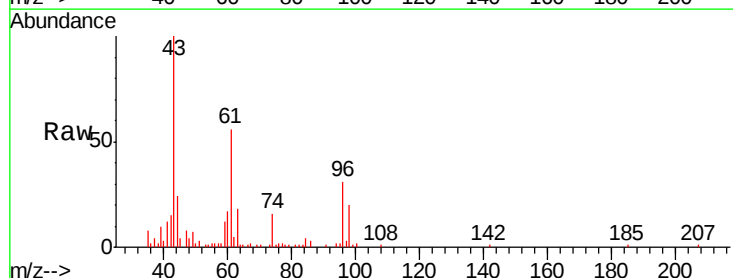
Acq: 28 Nov 2018 11:04

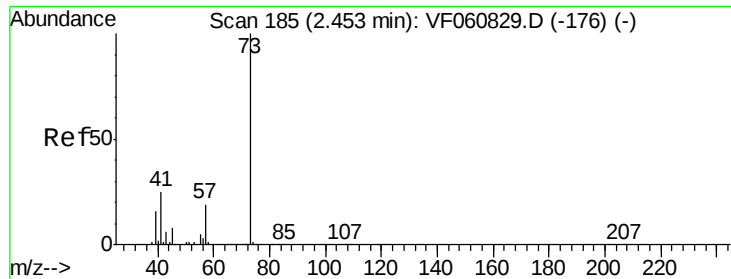
Tgt Ion: 43 Resp: 42010

Ion Ratio Lower Upper

43 100

74 16.4 13.3 19.9





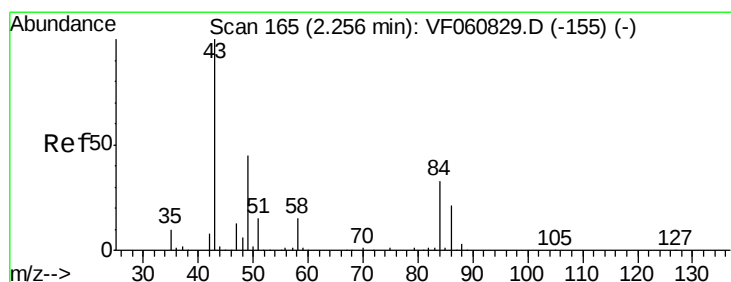
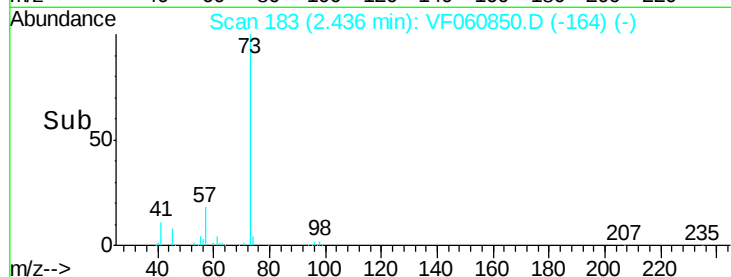
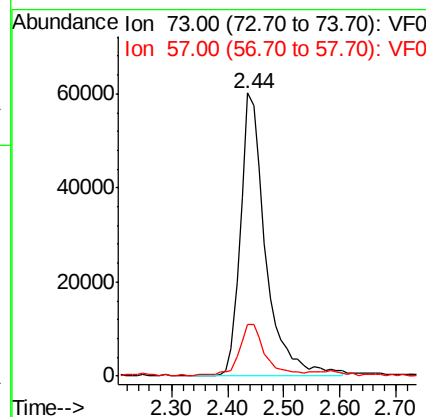
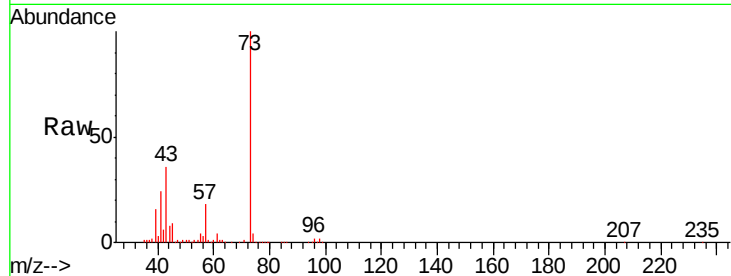
#19
Methyl tert-butyl Ether
Concen: 47.13 ug/l
RT: 2.44 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 187175
Ion Ratio Lower Upper
73 100
57 18.5 15.3 22.9

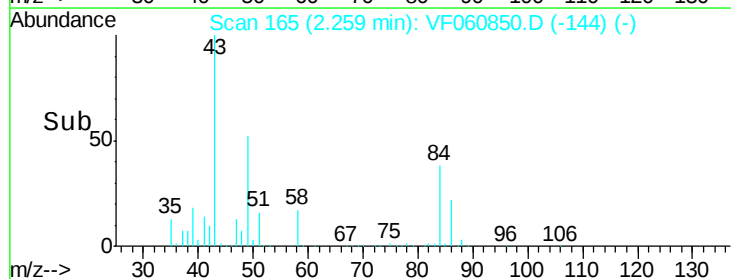
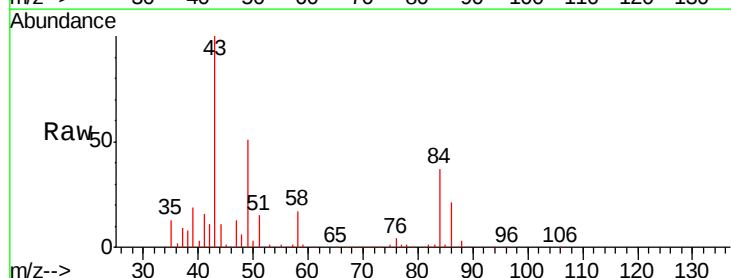
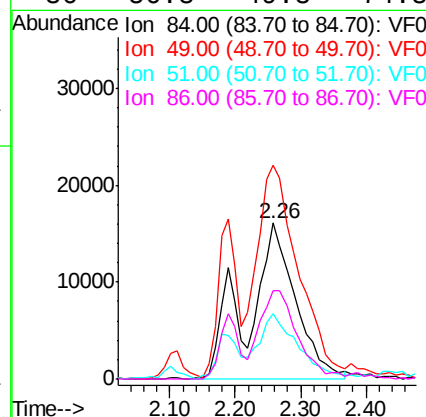
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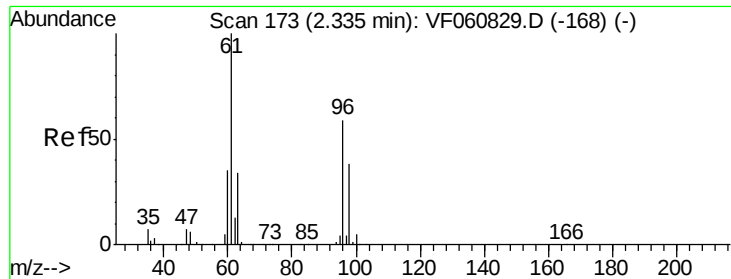
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#20
Methylene Chloride
Concen: 45.77 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion: 84 Resp: 81230
Ion Ratio Lower Upper
84 100
49 137.3 111.3 166.9
51 41.6 38.0 57.0
86 56.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 36.33 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

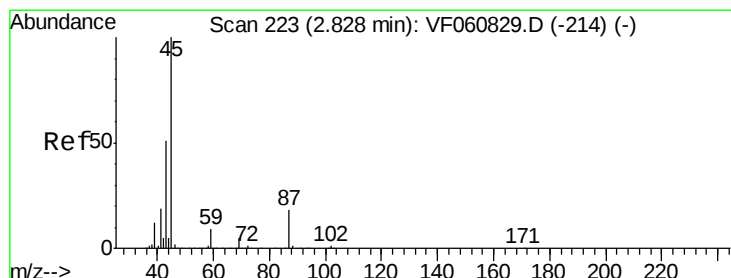
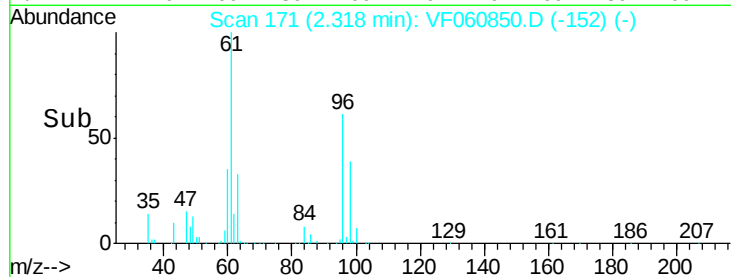
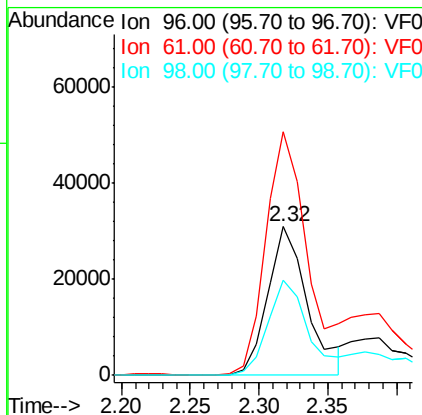
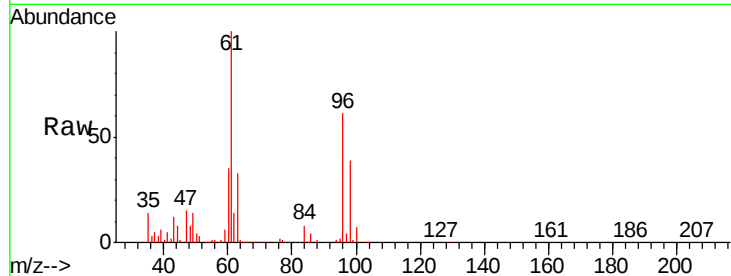
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	61747
Ion	Ratio	Lower	Upper
96	100		
61	164.1	134.5	201.7
98	64.3	51.6	77.4

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#22

Diisopropyl ether

Concen: 48.41 ug/l

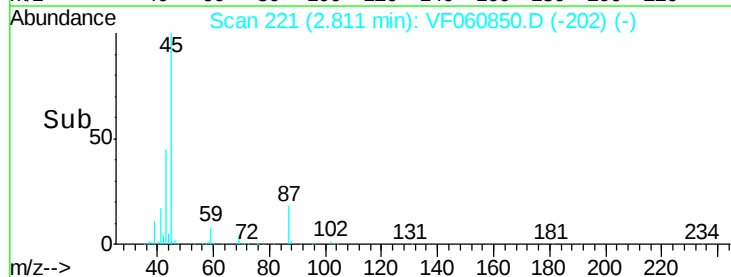
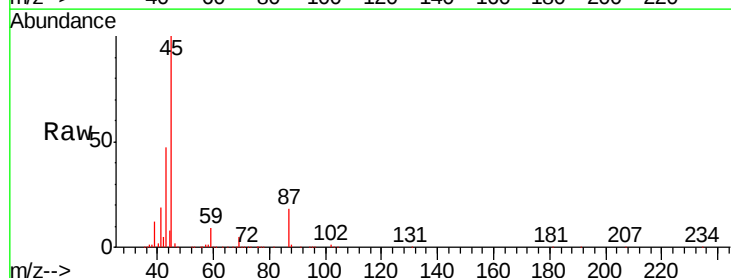
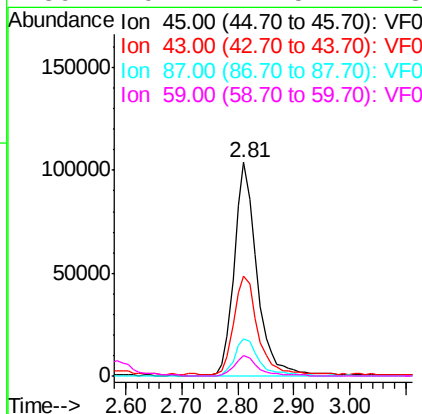
RT: 2.81 min Scan# 221

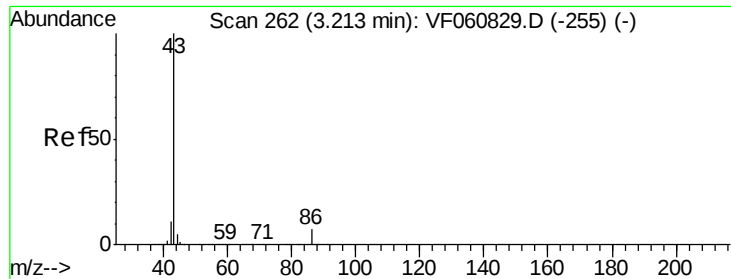
Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion:	45	Resp:	289586
Ion	Ratio	Lower	Upper
45	100		
43	46.6	41.0	61.6
87	17.6	14.6	22.0
59	9.4	7.5	11.3





#23

Vinyl Acetate

Concen: 247.60 ug/l

RT: 3.21 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 677021

Ion Ratio Lower Upper

43 100

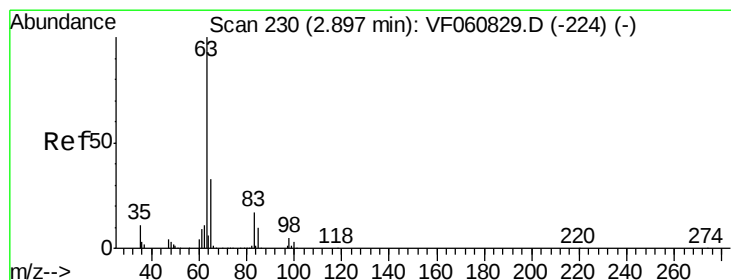
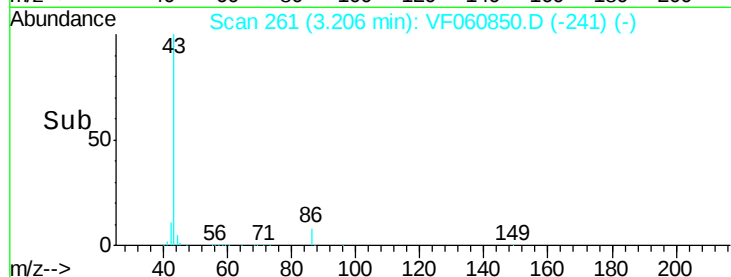
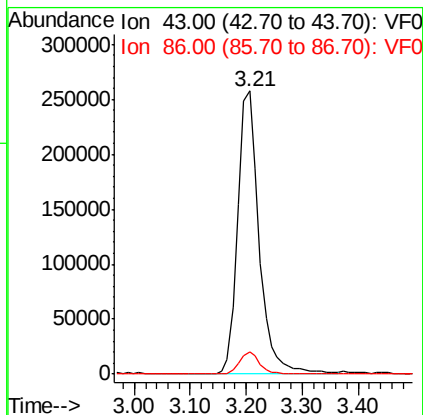
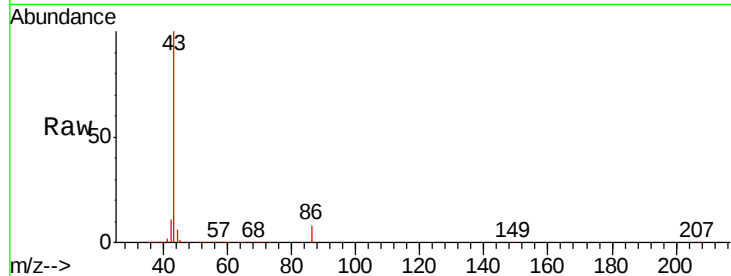
86 7.9 5.4 8.0

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#24

1,1-Dichloroethane

Concen: 47.38 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

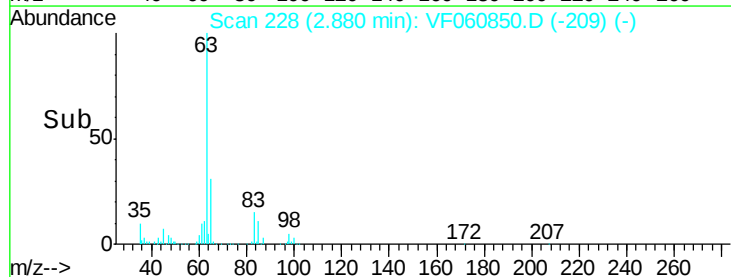
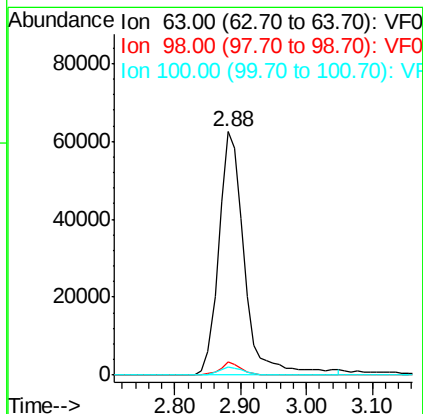
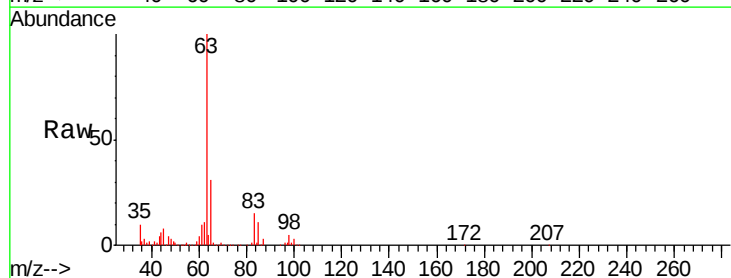
Tgt Ion: 63 Resp: 168639

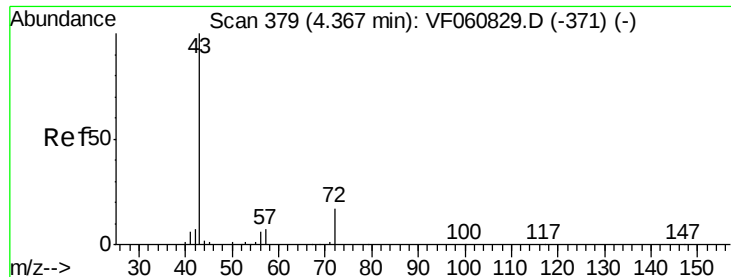
Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

100 3.1 1.5 4.5





#25

2-Butanone

Concen: 262.86 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 219934

Ion Ratio Lower Upper

43 100

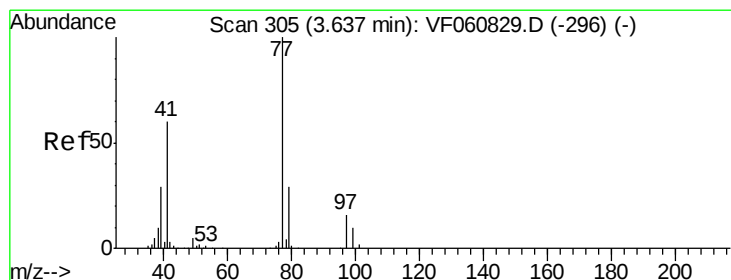
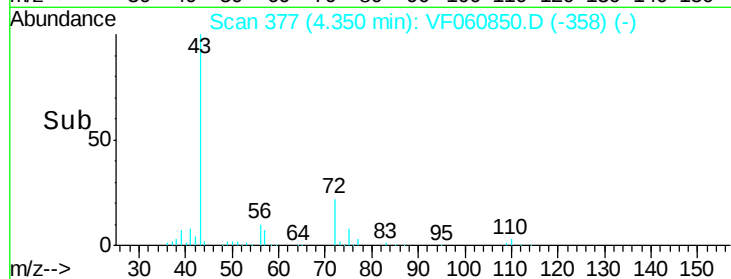
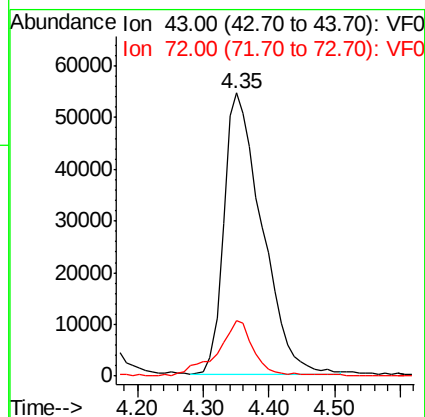
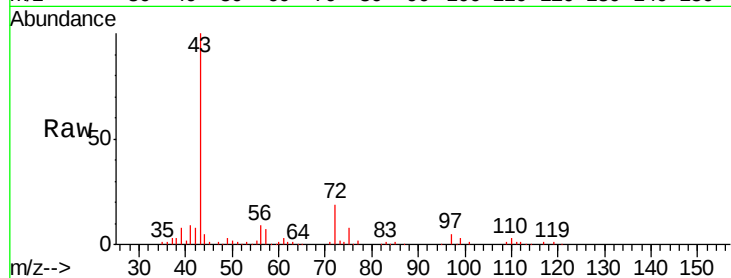
72 19.5 15.4 23.2

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#26

2,2-Dichloropropane

Concen: 43.43 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.03 min

Lab File: VF060850.D

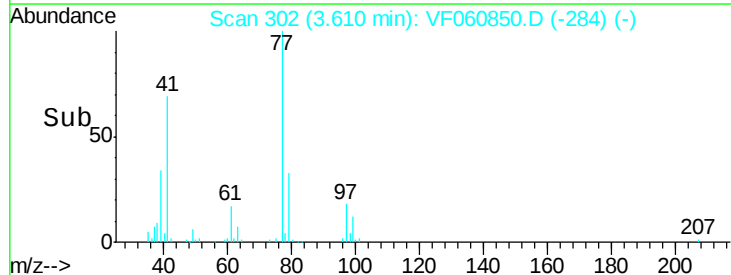
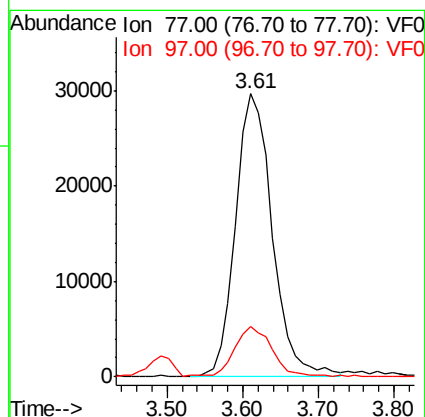
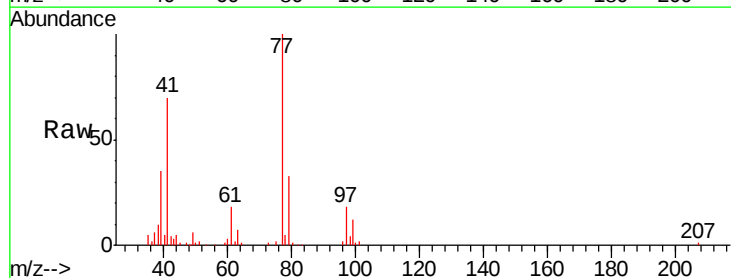
Acq: 28 Nov 2018 11:04

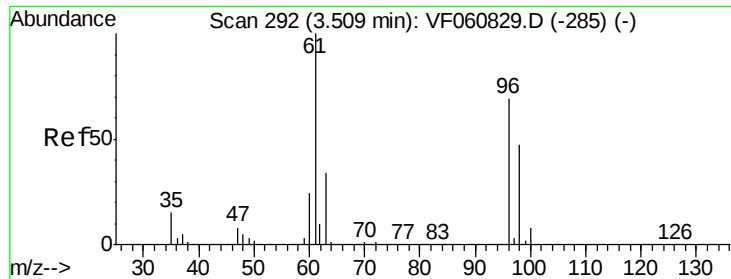
Tgt Ion: 77 Resp: 100196

Ion Ratio Lower Upper

77 100

97 17.8 8.6 25.8





#27

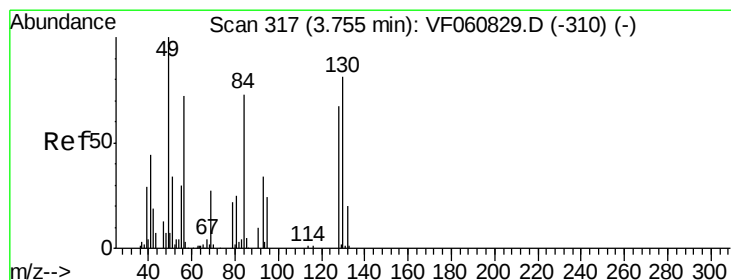
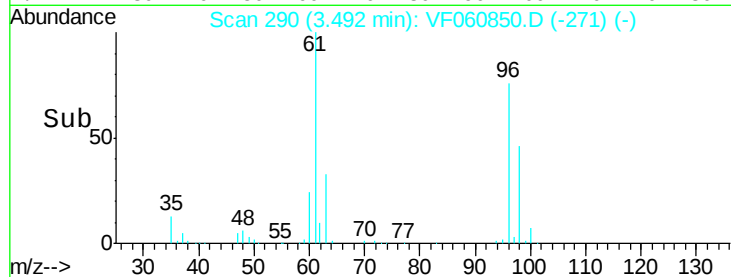
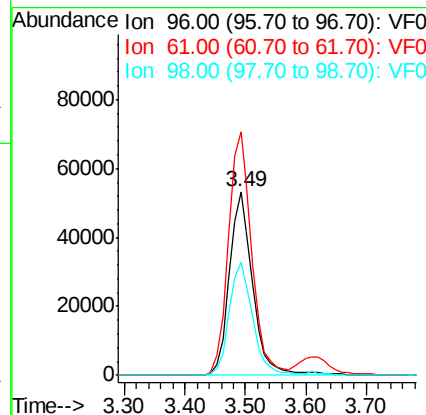
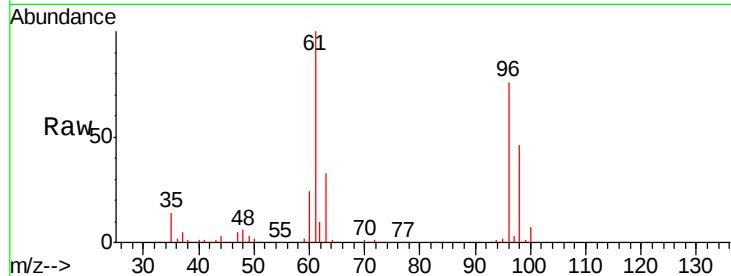
cis-1,2-Dichloroethene
 Concen: 51.64 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.02 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	142892		
61	132.3	0.0	290.6	
98	61.4	0.0	137.8	

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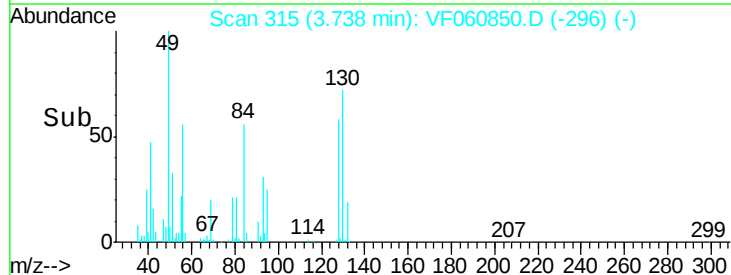
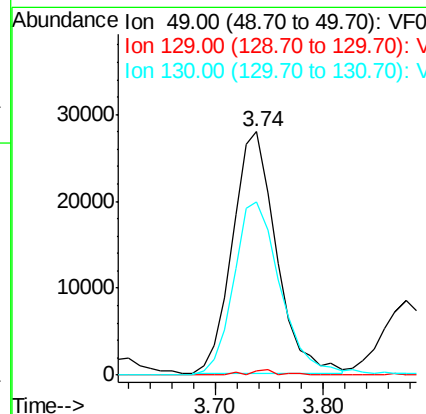
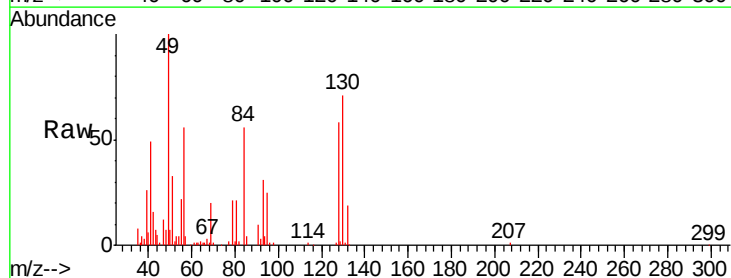
apatel
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#28

Bromochloromethane
 Concen: 45.84 ug/l
 RT: 3.74 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78293		
129	1.8	0.0	4.4	
130	71.4	64.2	96.4	





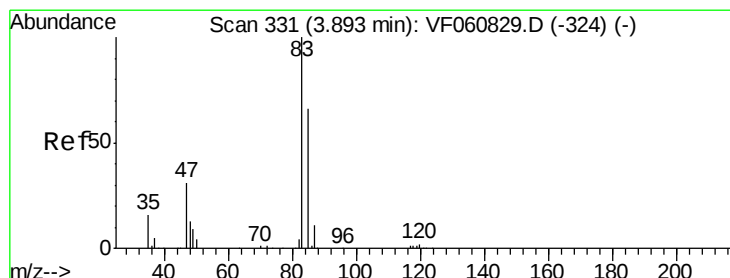
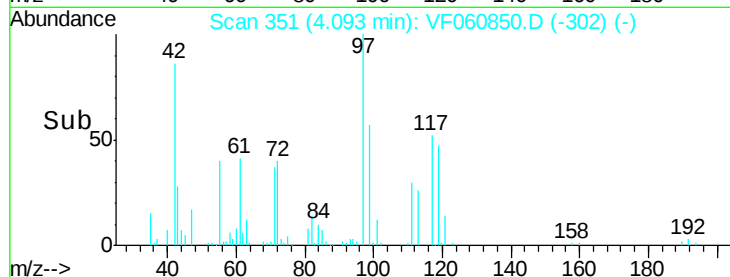
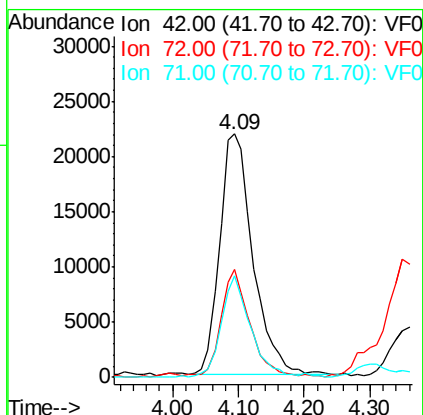
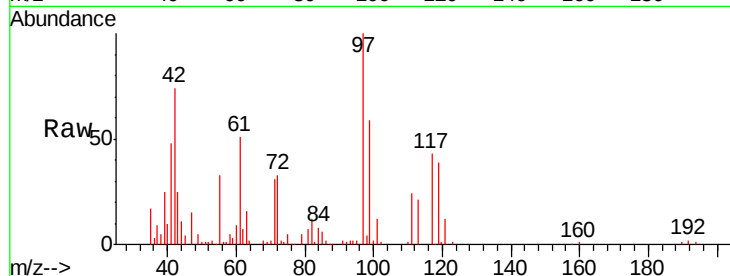
#29
Tetrahydrofuran
Concen: 217.46 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.9	47.9
71	36.8	28.7	43.1

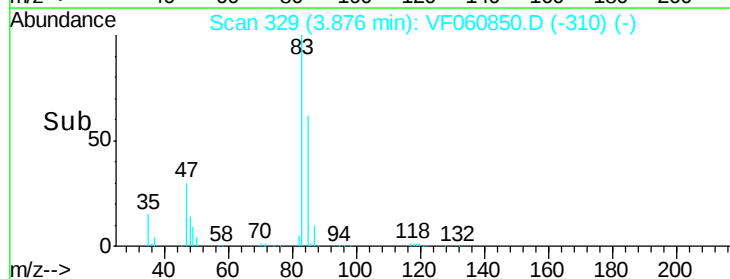
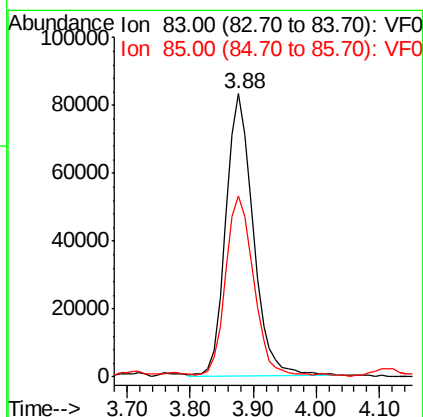
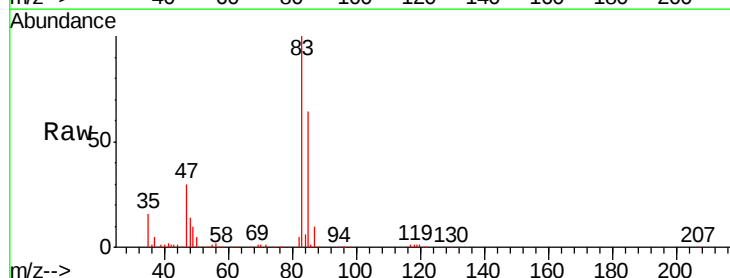
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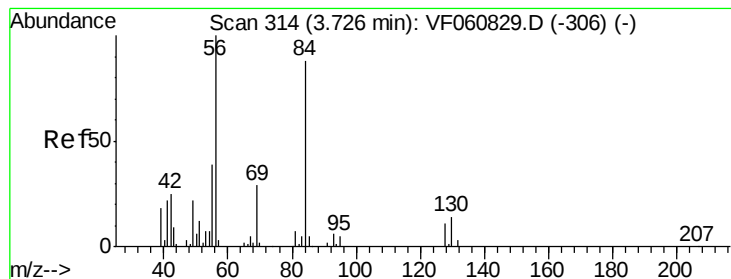
apatel
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#30
Chloroform
Concen: 45.74 ug/l
RT: 3.88 min Scan# 329
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.4	80.2





#31

Cyclohexane

Concen: 46.03 ug/l m

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 169997
Ion Ratio Lower Upper

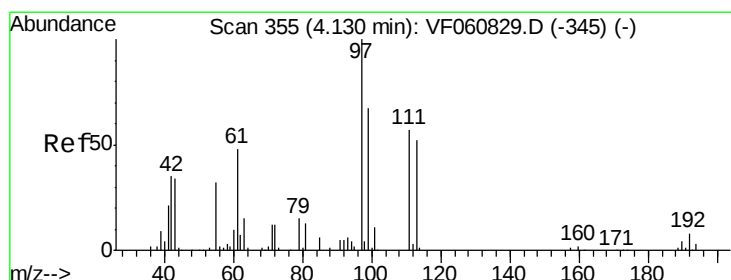
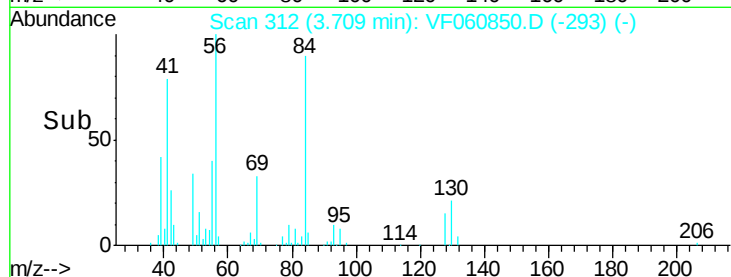
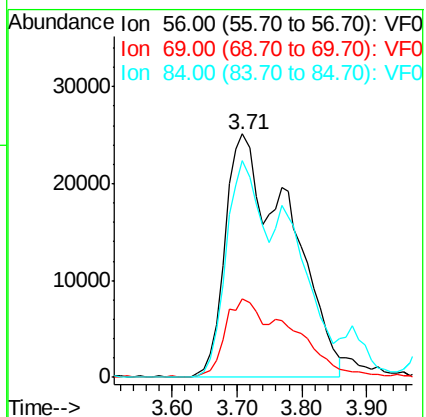
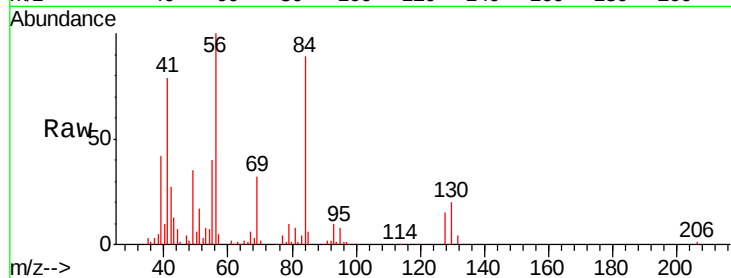
56 100

69 32.4 23.0 34.4

84 89.2 70.4 105.6

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#32

1,1,1-Trichloroethane

Concen: 40.28 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.02 min

Lab File: VF060850.D

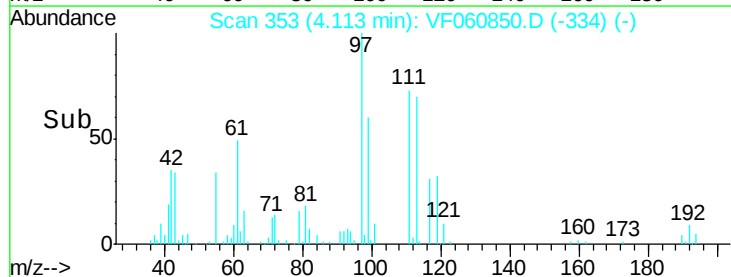
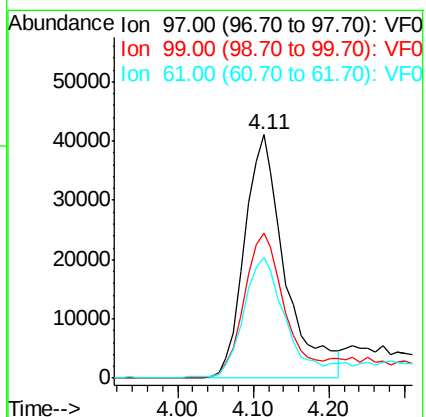
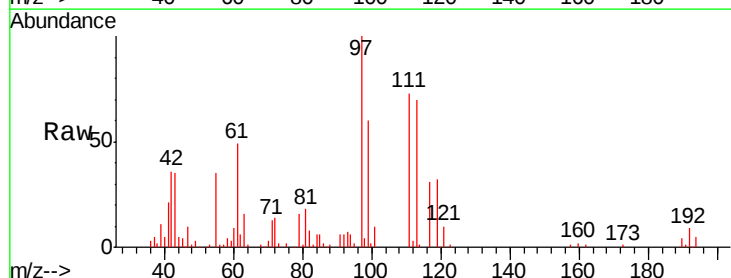
Acq: 28 Nov 2018 11:04

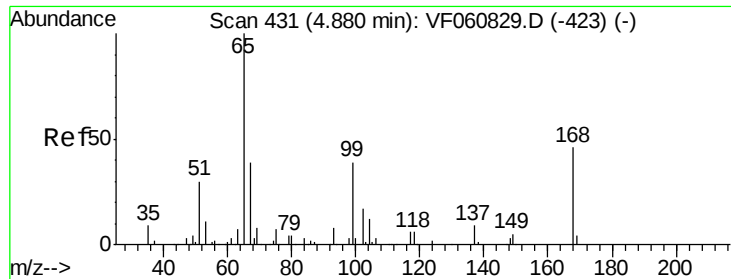
Tgt Ion: 97 Resp: 153012
Ion Ratio Lower Upper

97 100

99 59.6 53.5 80.3

61 49.4 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 47.03 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion: 65 Resp: 123358

Ion Ratio Lower Upper

65 100

67 50.2 0.0 96.4

Instrument :

MSVOA_F

ClientSampleId :

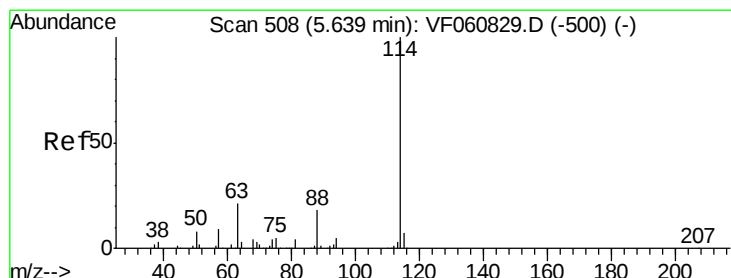
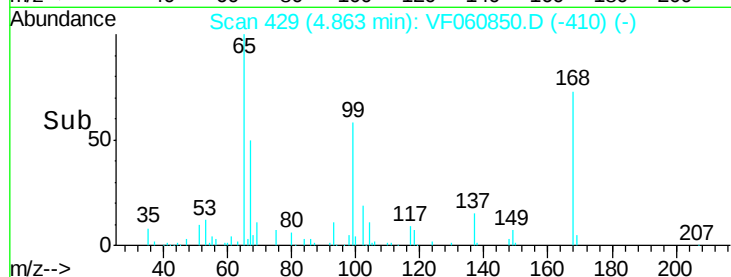
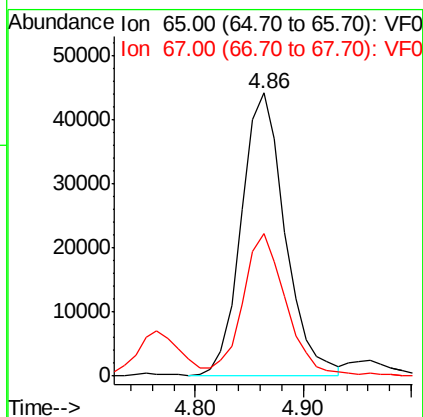
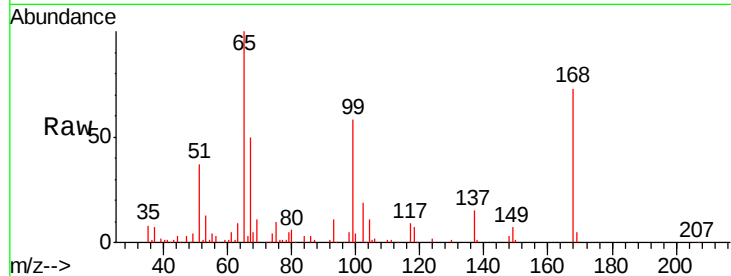
VSTDCCC050

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11/29/2018 2:54:33 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

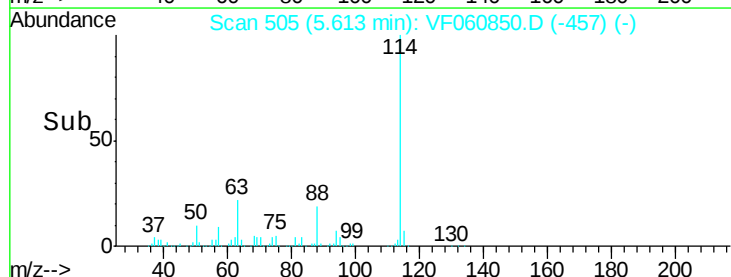
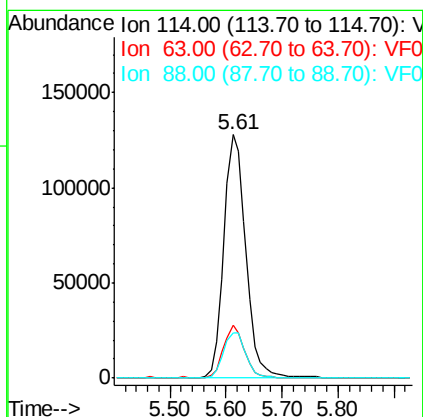
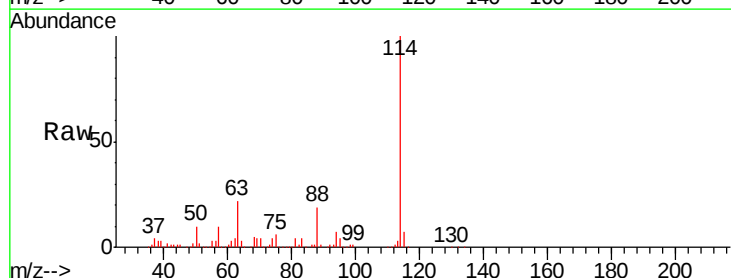
Tgt Ion: 114 Resp: 350276

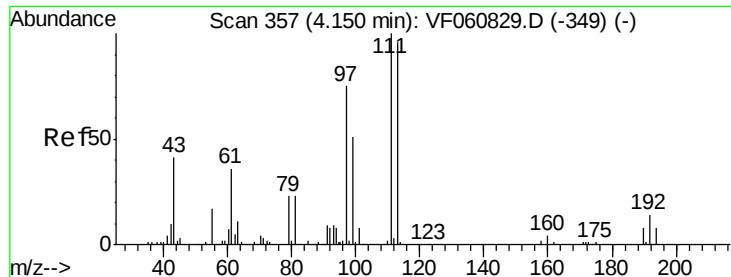
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.6

88 18.8 0.0 36.6





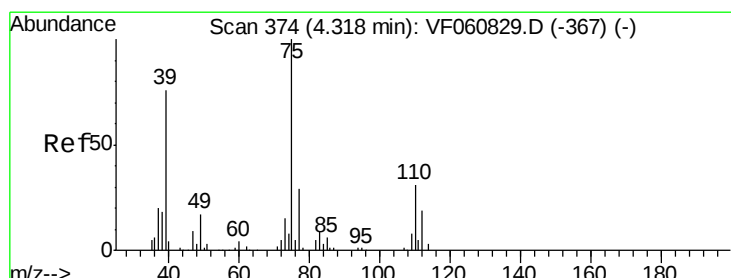
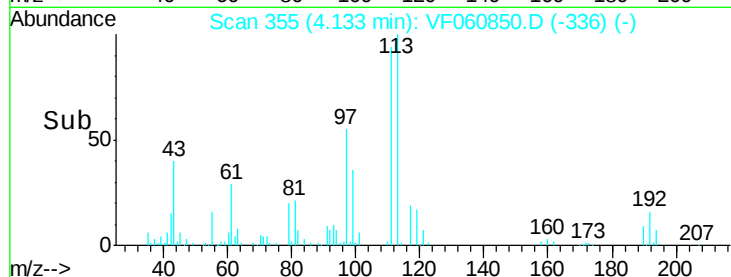
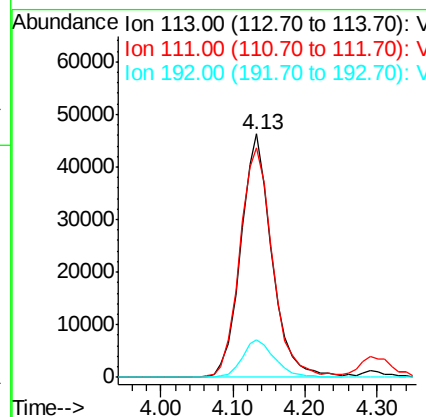
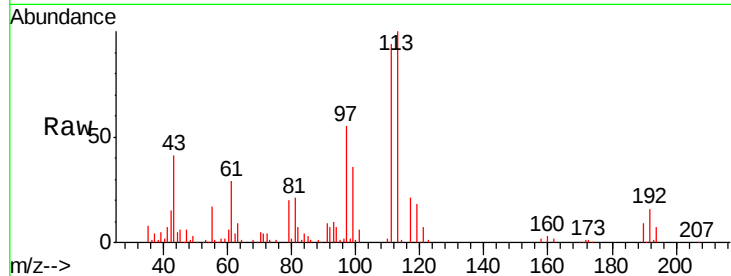
#35
 Dibromofluoromethane
 Concen: 49.96 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	138818		
111	94.3	83.0	124.6	
192	15.6	12.3	18.5	

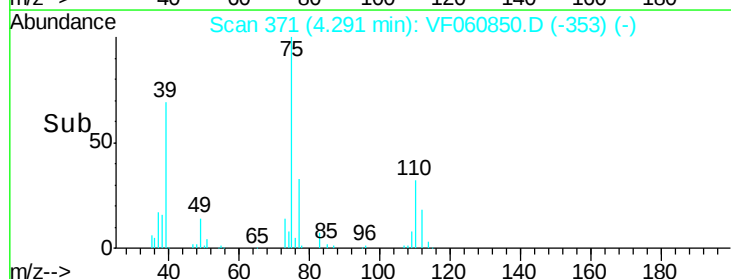
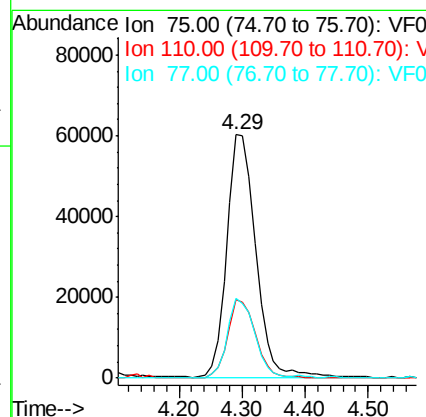
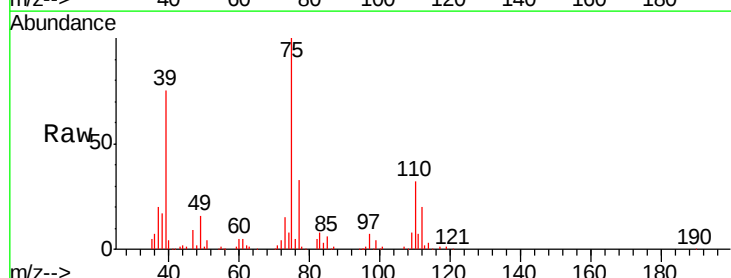
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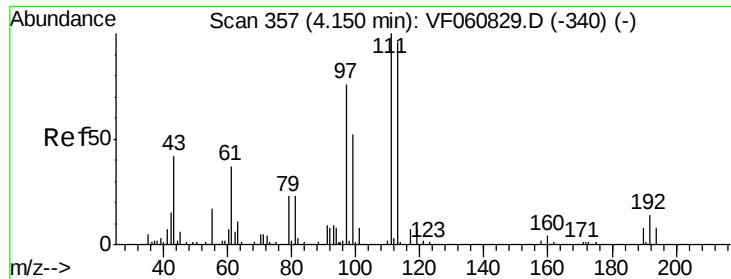
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#36
 1,1-Dichloropropene
 Concen: 49.59 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.03 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	192662		
110	32.0	15.6	46.8	
77	32.8	23.4	35.0	





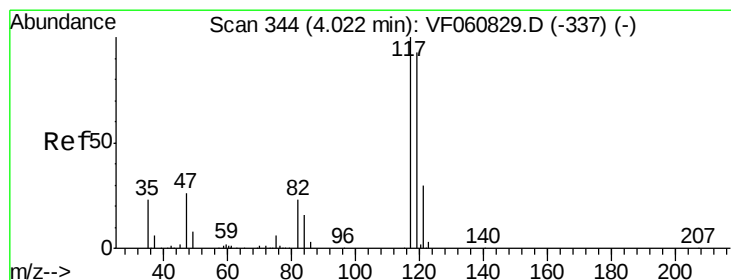
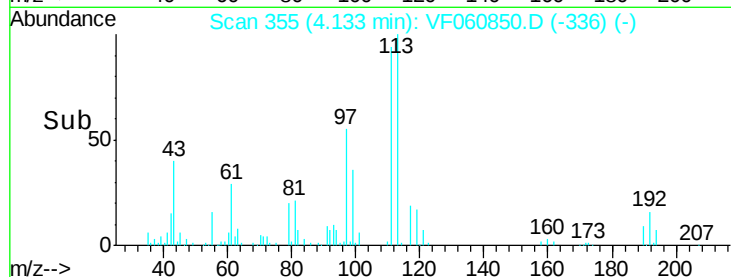
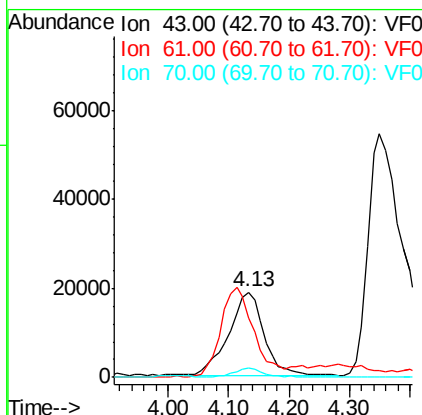
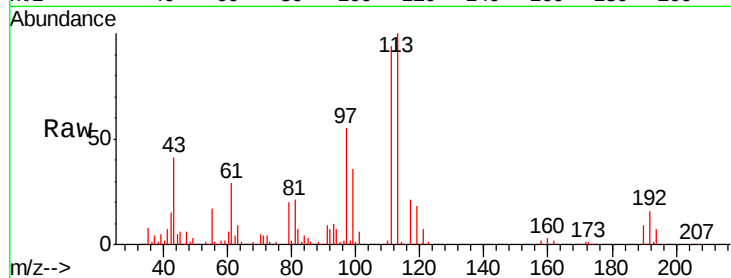
#37
Ethyl Acetate
Concen: 48.23 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	69.4	68.6	103.0
70	11.4	9.0	13.4

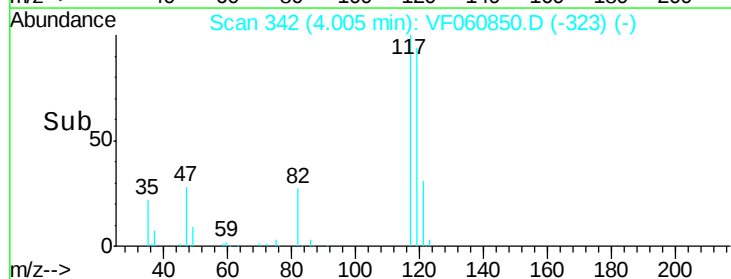
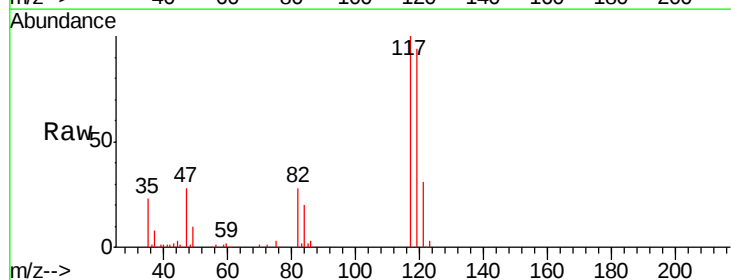
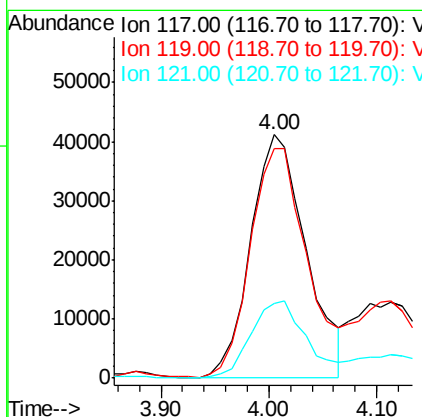
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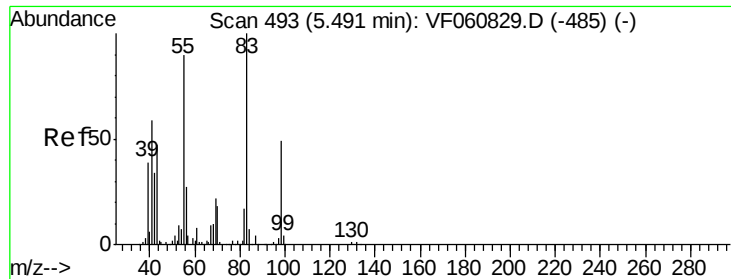
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#38
Carbon Tetrachloride
Concen: 42.76 ug/l
RT: 4.00 min Scan# 342
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.4	111.6
121	30.8	23.5	35.3





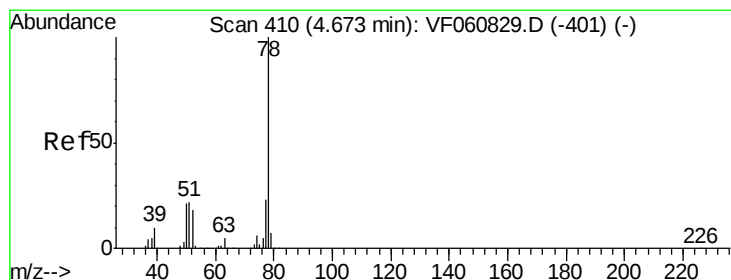
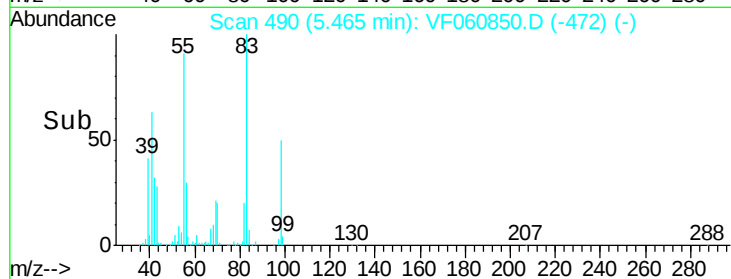
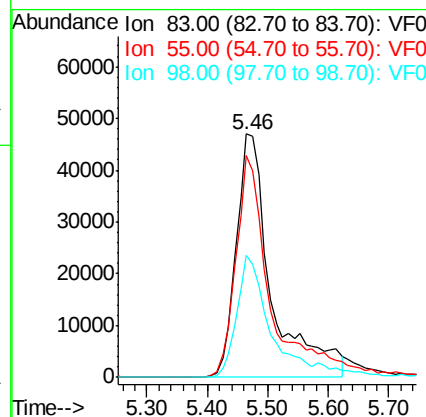
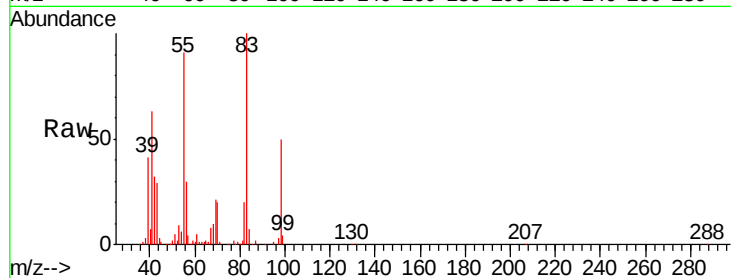
#39
Methylcyclohexane
Concen: 47.10 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.03 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.0	72.1	108.1
98	50.3	39.1	58.7

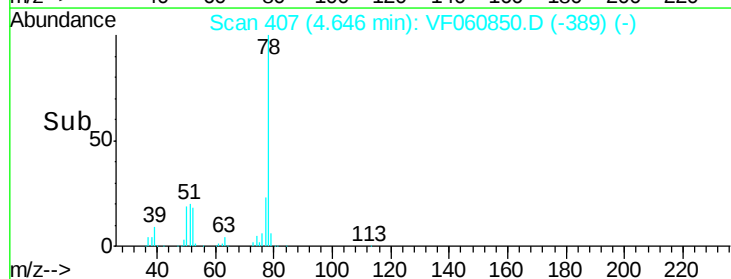
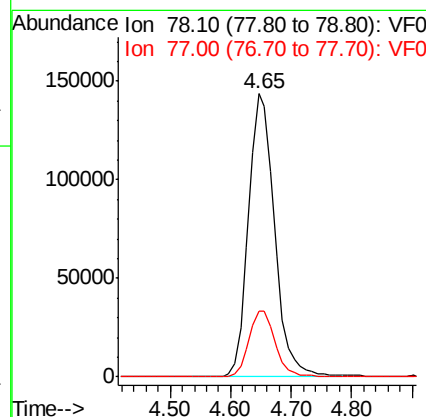
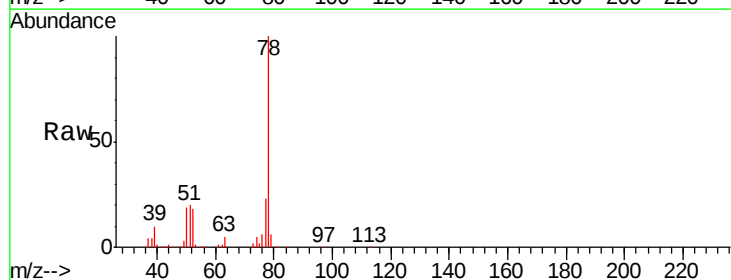
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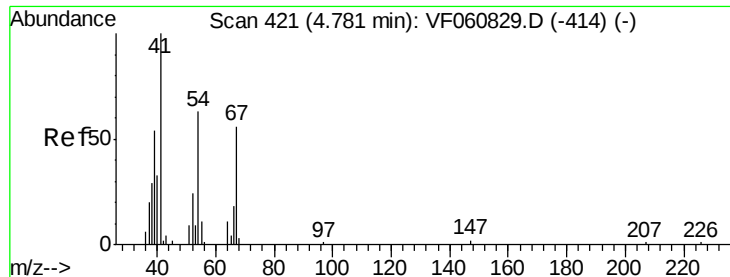
apatel
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#40
Benzene
Concen: 50.29 ug/l
RT: 4.65 min Scan# 407
Delta R.T. -0.03 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





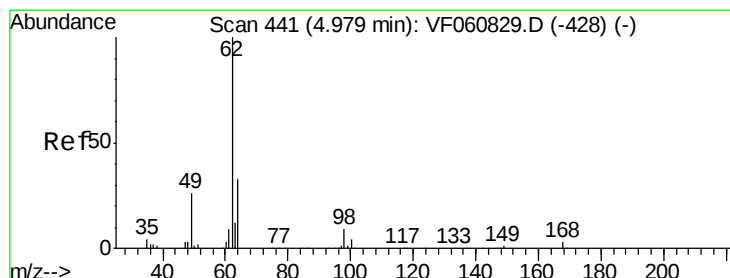
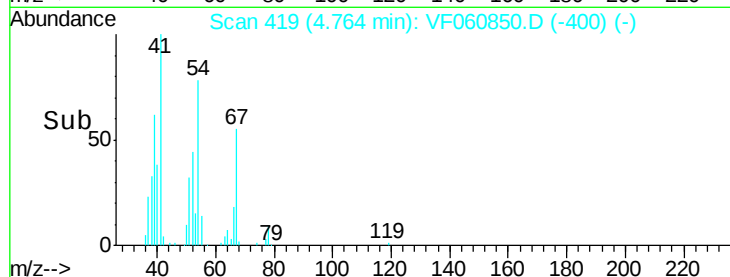
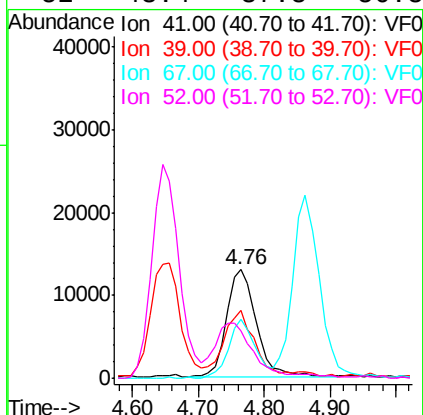
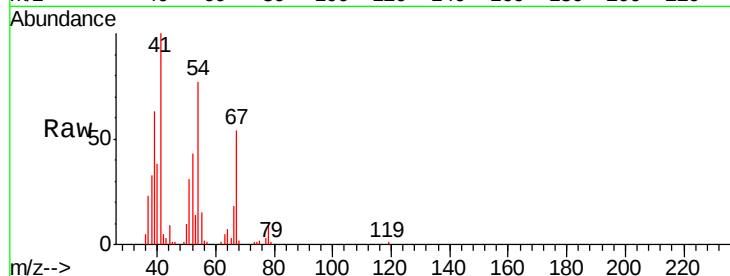
#41
Methacrylonitrile
Concen: 50.02 ug/l
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.8	53.0	79.6
67	54.0	43.8	65.6
52	43.4	37.8	56.8

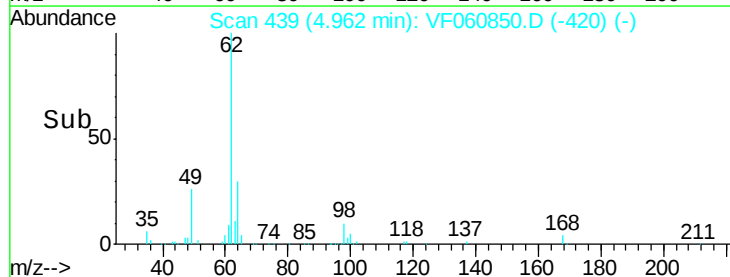
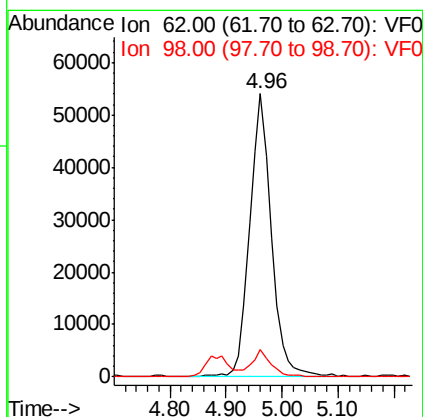
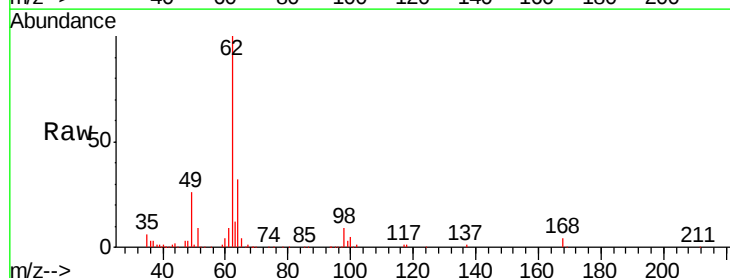
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#42
1,2-Dichloroethane
Concen: 46.33 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.2





#43

Isopropyl Acetate

Concen: 49.85 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

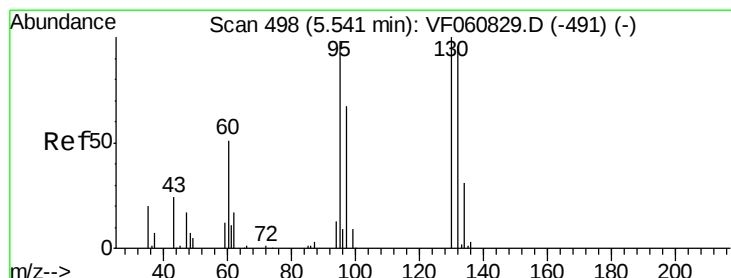
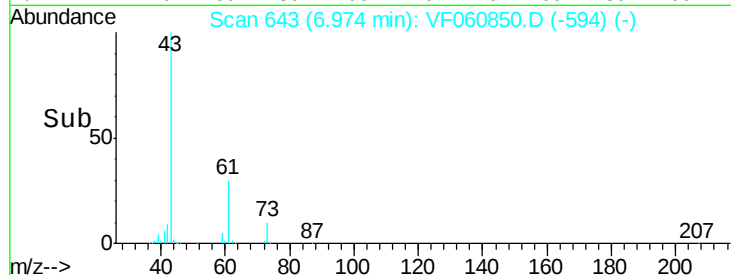
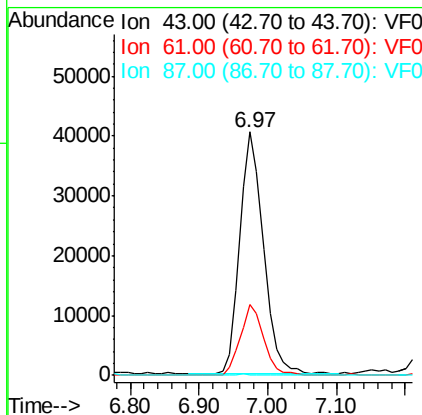
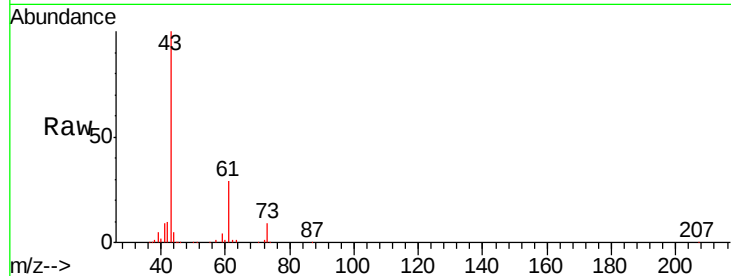
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	97127
Ion Ratio	Lower	Upper	
43	100		
61	28.9	21.4	32.0
87	0.4	0.2	0.4#

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#44

Trichloroethene

Concen: 47.81 ug/l

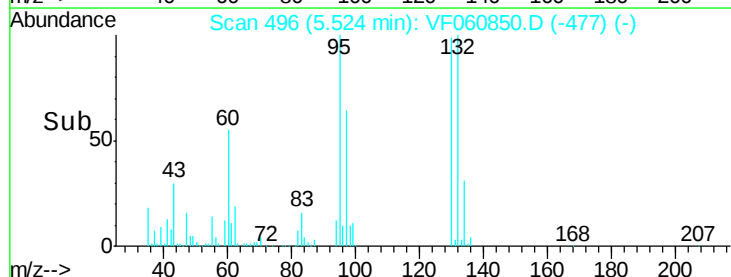
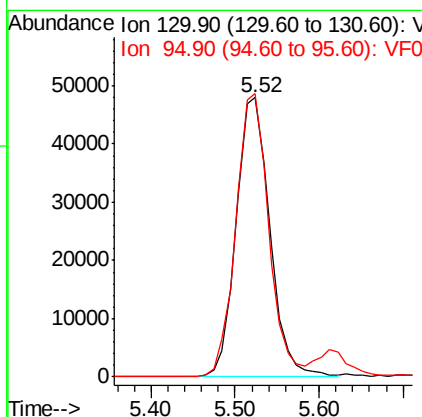
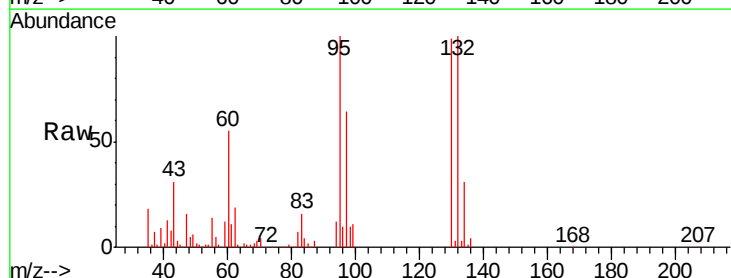
RT: 5.52 min Scan# 496

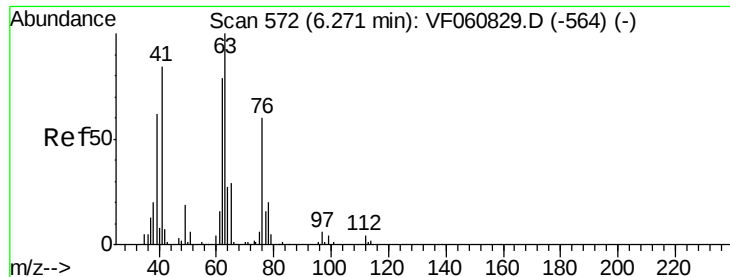
Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion:	130	Resp:	134170
Ion Ratio	Lower	Upper	
130	100		
95	101.4	0.0	195.6





#45

1,2-Dichloropropane

Concen: 52.75 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 117595

Ion Ratio Lower Upper

63 100

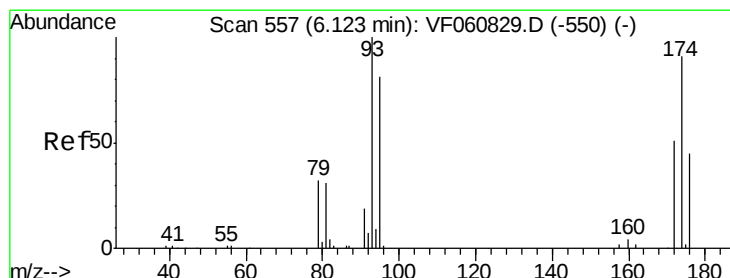
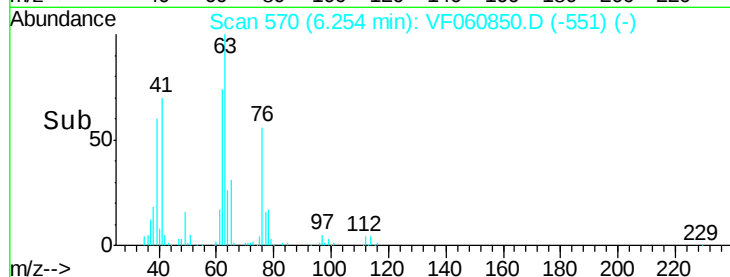
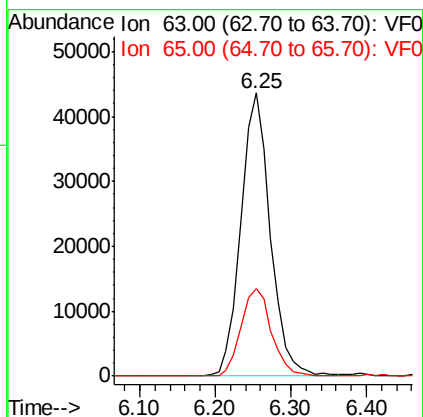
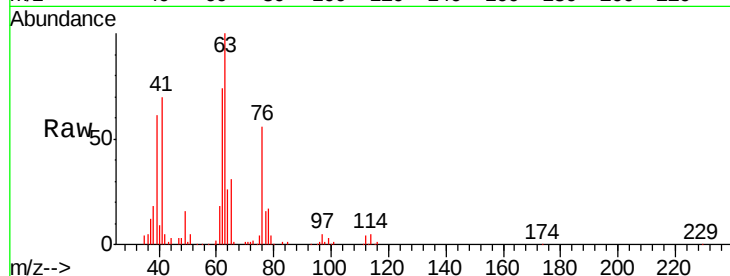
65 30.8 23.2 34.8

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#46

Dibromomethane

Concen: 48.26 ug/l

RT: 6.11 min Scan# 555

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

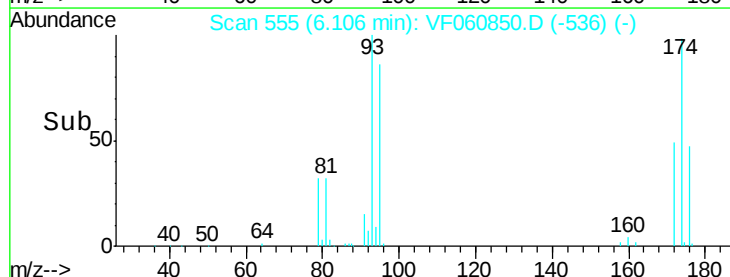
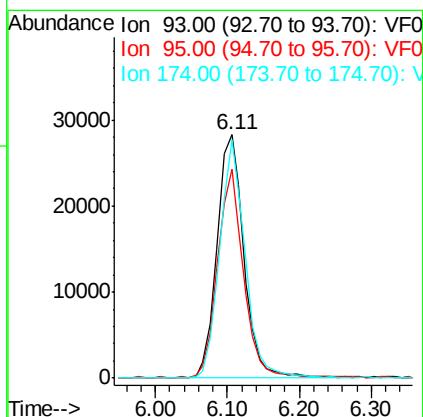
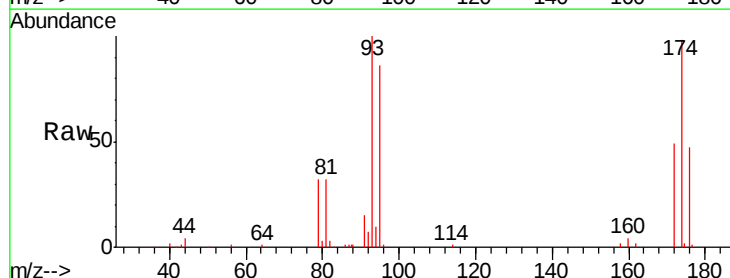
Tgt Ion: 93 Resp: 72981

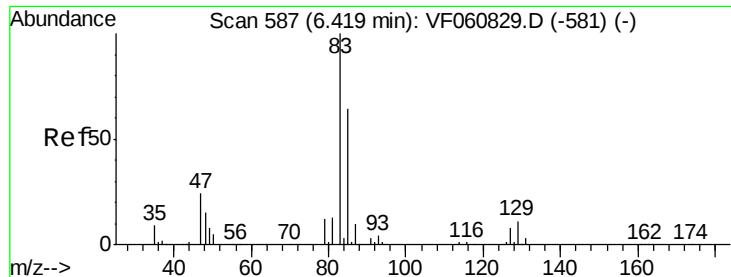
Ion Ratio Lower Upper

93 100

95 85.6 64.7 97.1

174 100.0 73.0 109.6





#47

Bromodichloromethane

Concen: 48.57 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

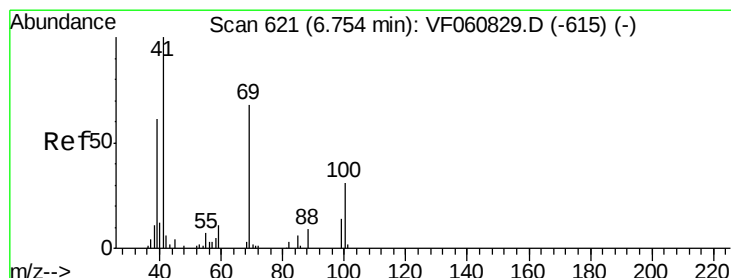
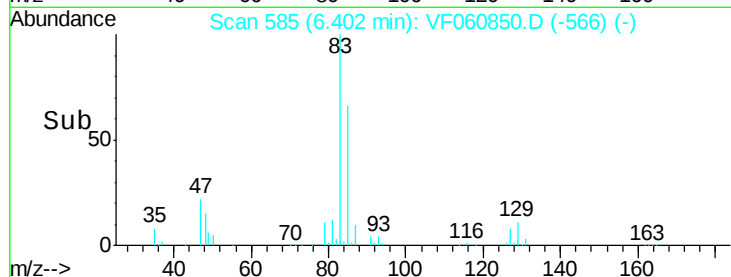
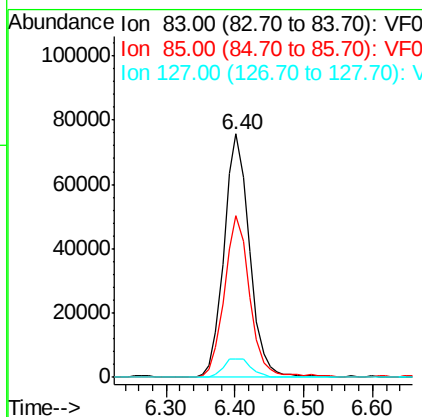
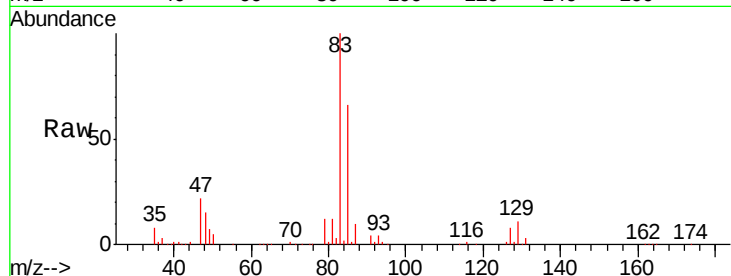
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	195062
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.8	6.8	10.2

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#48

Methyl methacrylate

Concen: 45.75 ug/l

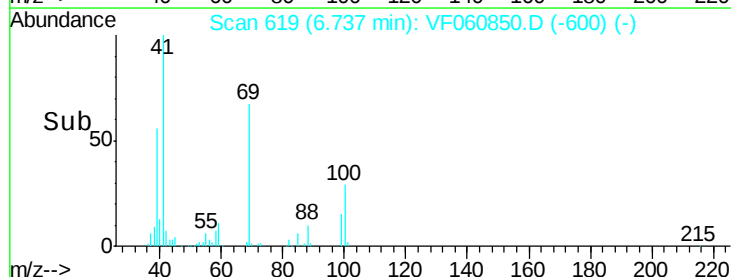
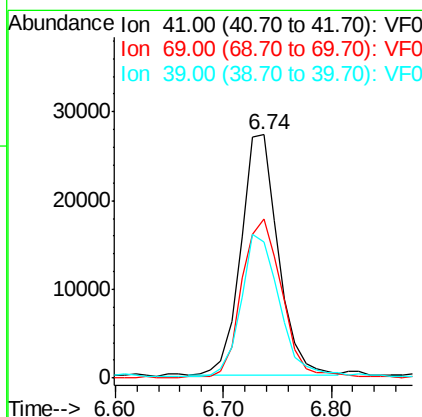
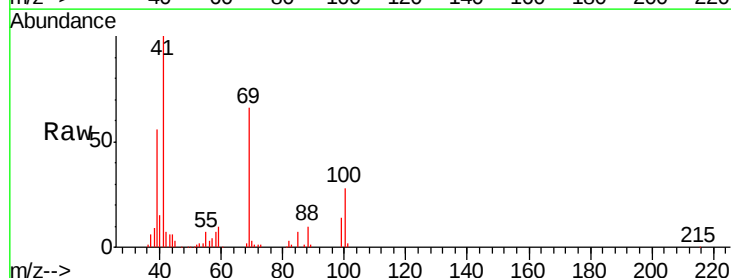
RT: 6.74 min Scan# 619

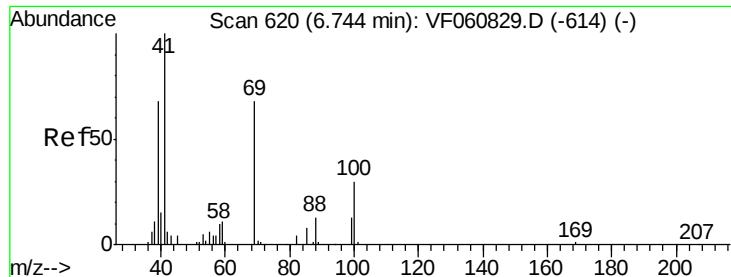
Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion:	41	Resp:	65382
Ion	Ratio	Lower	Upper
41	100		
69	65.5	53.9	80.9
39	55.7	49.0	73.6





#49

1,4-Dioxane

Concen: 964.99 ug/l

RT: 6.73 min Scan# 618

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

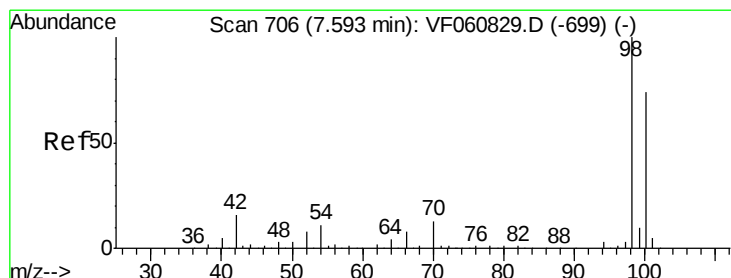
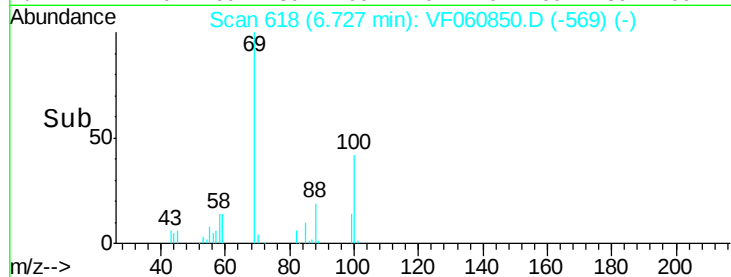
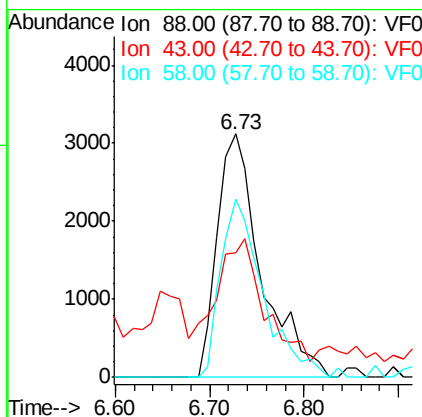
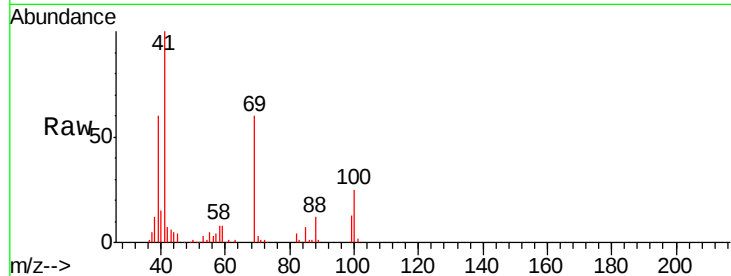
ClientSampleId :

VSTDCCC050

Tgt Ion:	88	Resp:	10093
Ion Ratio	Lower	Upper	
88	100		
43	51.2	42.0	63.0
58	73.2	61.8	92.8

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#50

Toluene-d8

Concen: 49.57 ug/l

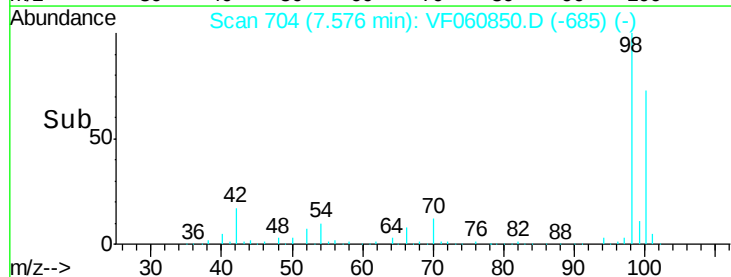
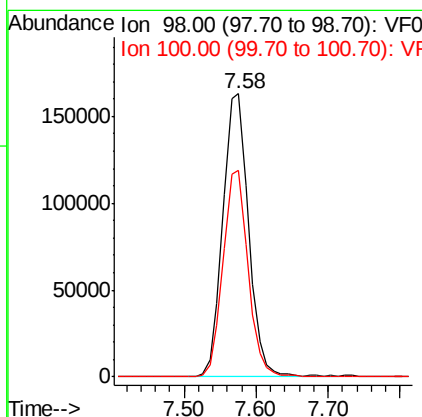
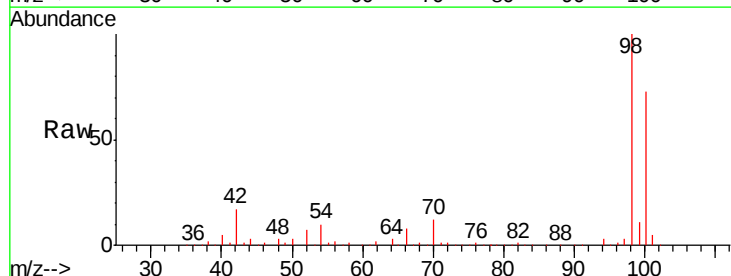
RT: 7.58 min Scan# 704

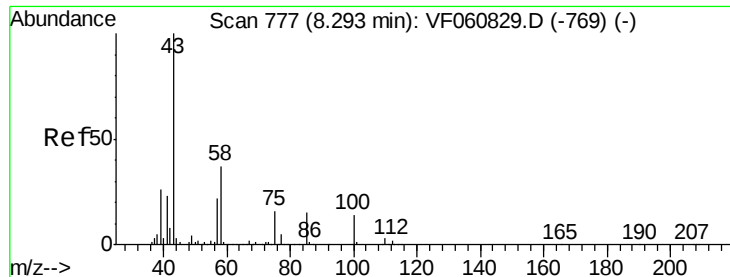
Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion:	98	Resp:	405739
Ion Ratio	Lower	Upper	
98	100		
100	73.0	59.3	88.9





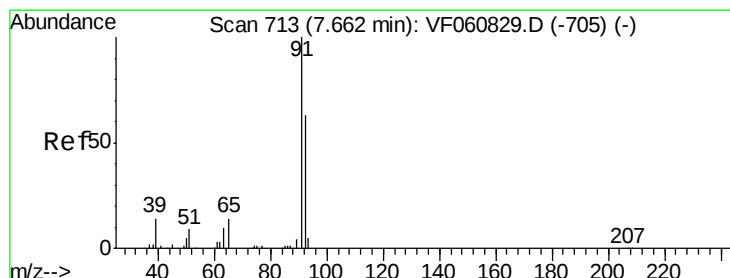
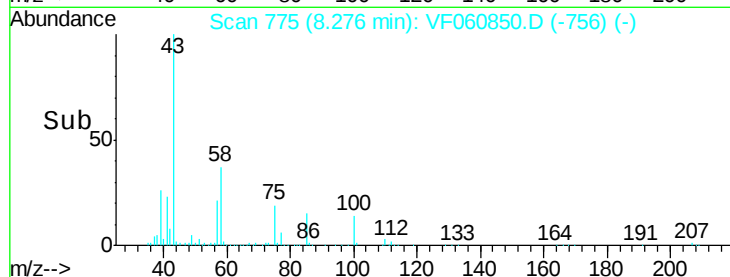
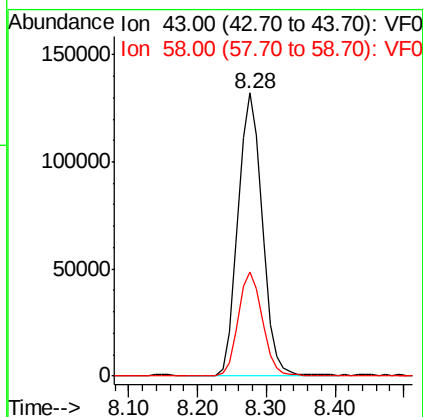
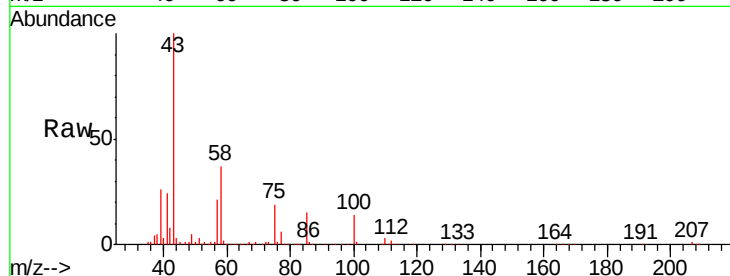
#51
4-Methyl-2-Pentanone
Concen: 222.35 ug/l
RT: 8.28 min Scan# 775
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 323732
Ion Ratio Lower Upper
43 100
58 36.9 29.7 44.5

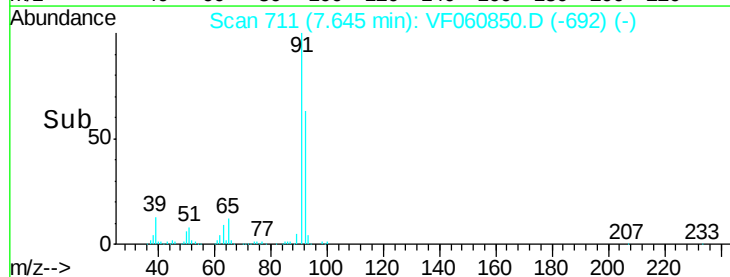
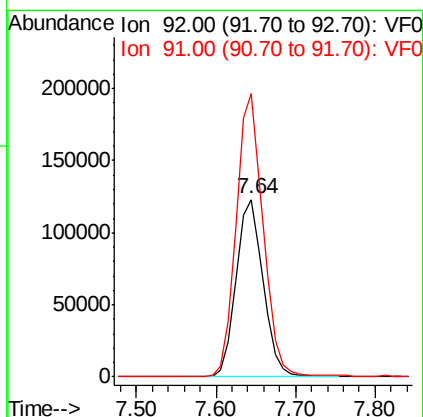
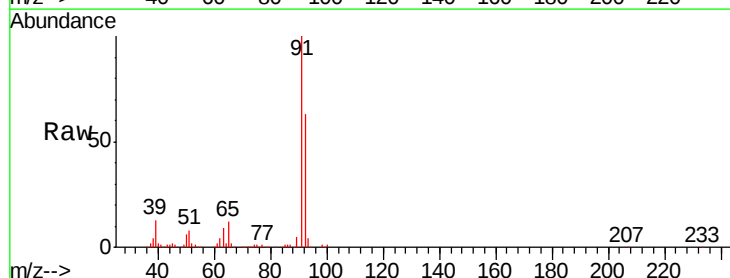
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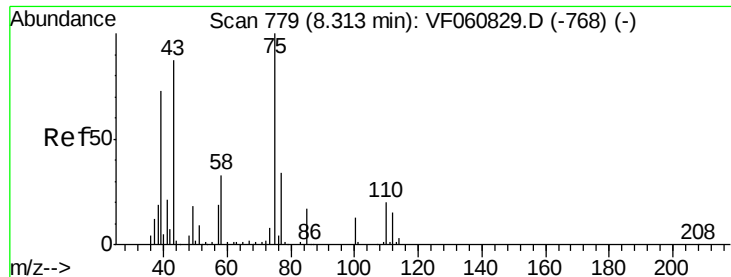
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#52
Toluene
Concen: 48.24 ug/l
RT: 7.64 min Scan# 711
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion: 92 Resp: 290842
Ion Ratio Lower Upper
92 100
91 159.8 126.2 189.2





#53

t-1,3-Dichloropropene

Concen: 46.78 ug/l

RT: 8.30 min Scan# 777

Delta R.T. -0.02 min

Lab File: VF060850.D

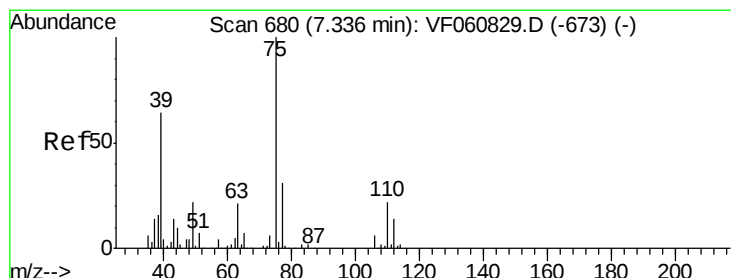
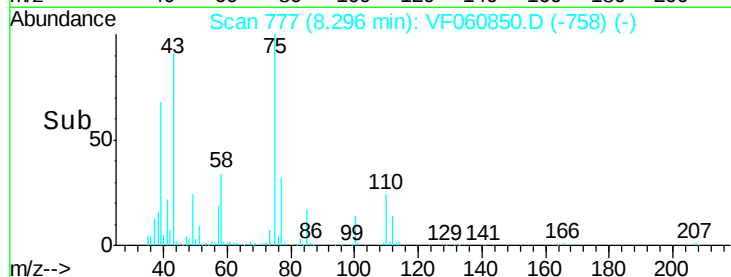
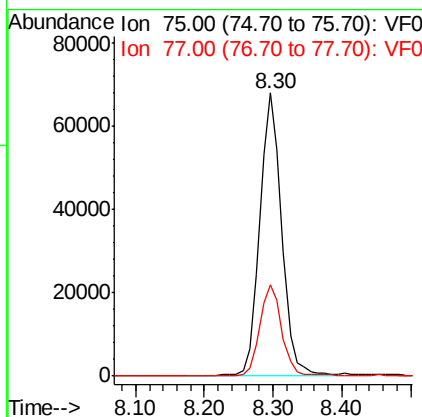
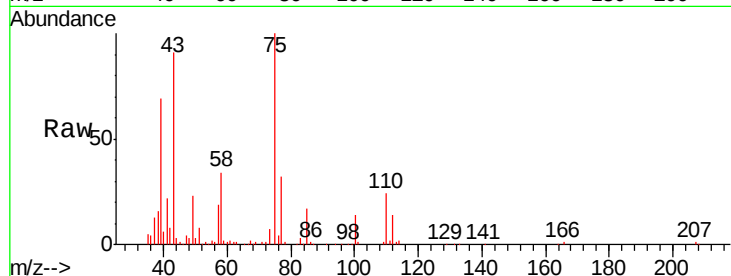
Acq: 28 Nov 2018 11:04

Tgt Ion:	75	Resp:	152820
Ion	Ratio	Lower	Upper
75	100		
77	32.1	27.4	41.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 49.70 ug/l

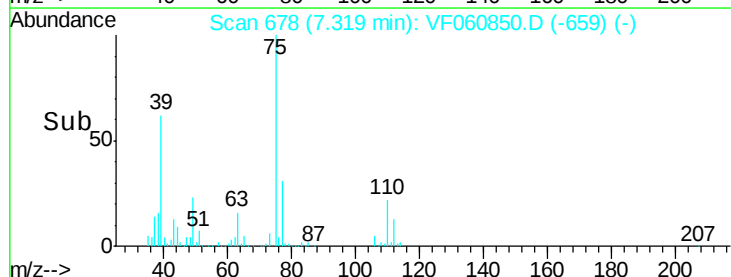
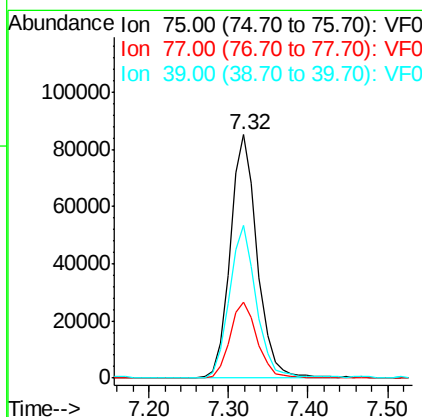
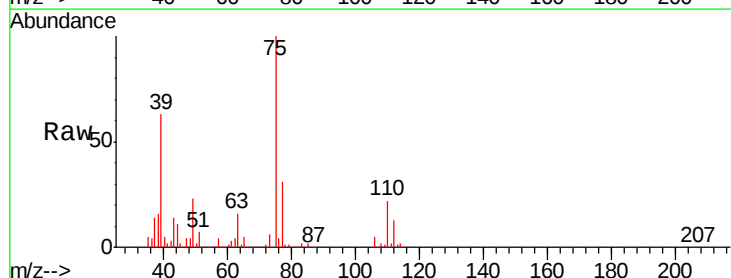
RT: 7.32 min Scan# 678

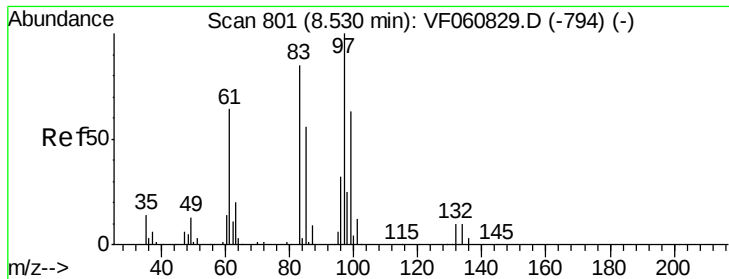
Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion:	75	Resp:	201017
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6
39	62.5	51.1	76.7





#55

1,1,2-Trichloroethane

Concen: 48.85 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

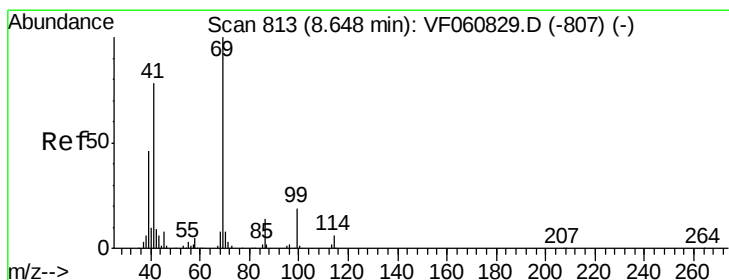
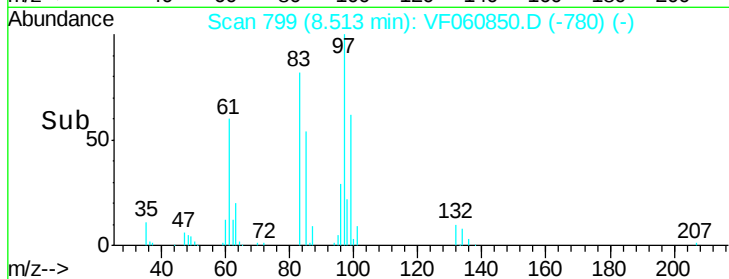
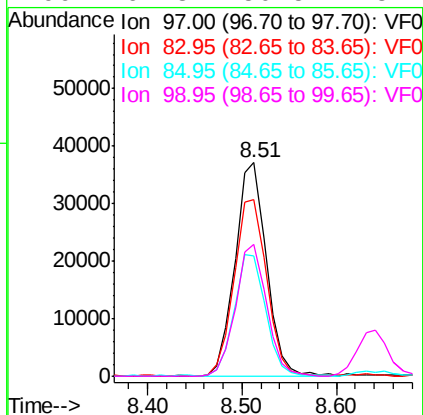
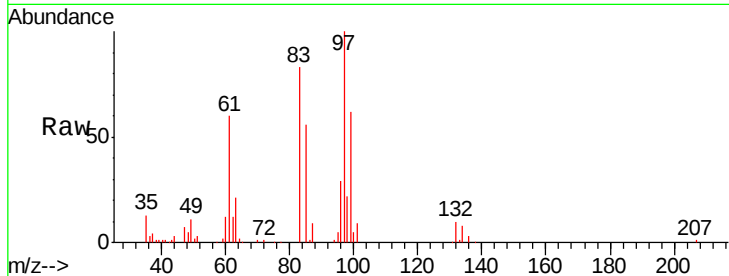
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	85808
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.8	101.6
85	56.1	45.0	67.6
99	61.8	50.5	75.7

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#56

Ethyl methacrylate

Concen: 48.29 ug/l

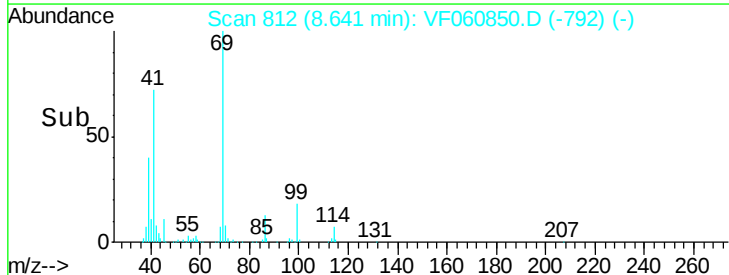
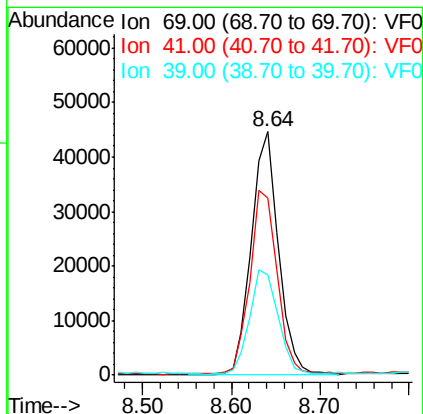
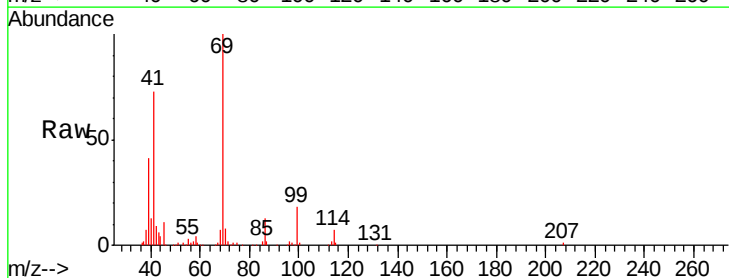
RT: 8.64 min Scan# 812

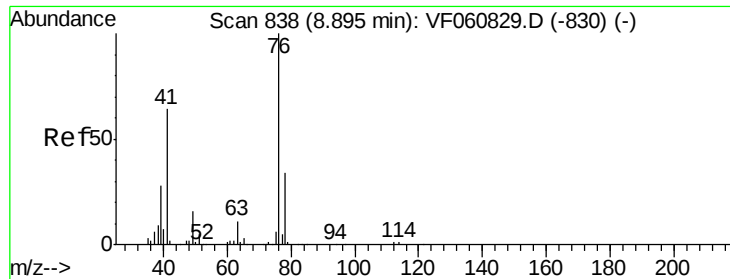
Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion:	69	Resp:	94233
Ion	Ratio	Lower	Upper
69	100		
41	72.6	62.6	94.0
39	41.4	37.8	56.6





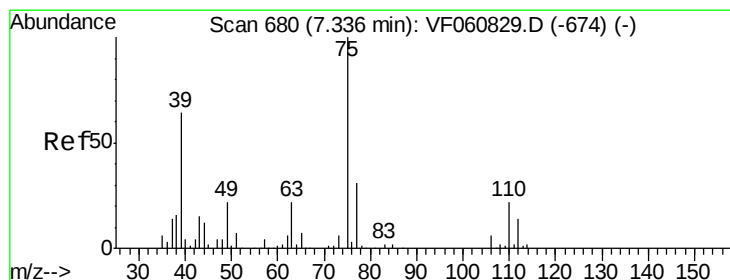
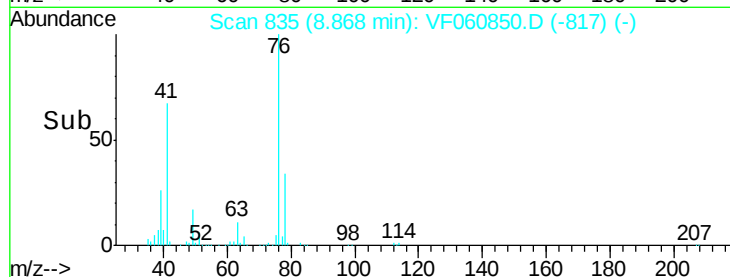
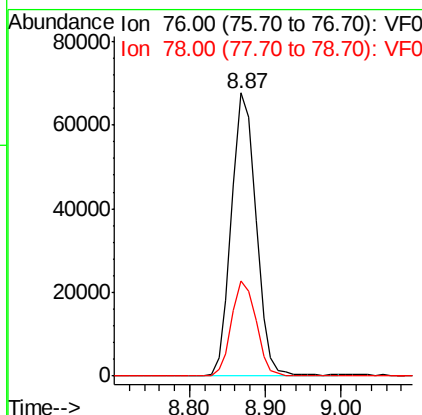
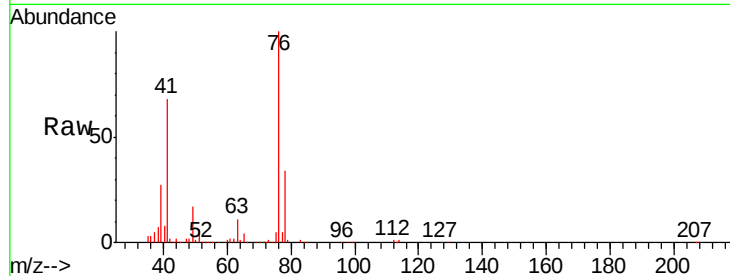
#57
 1,3-Dichloropropane
 Concen: 49.89 ug/l
 RT: 8.87 min Scan# 835
 Delta R.T. -0.03 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 153324
 Ion Ratio Lower Upper
 76 100
 78 33.7 27.0 40.4

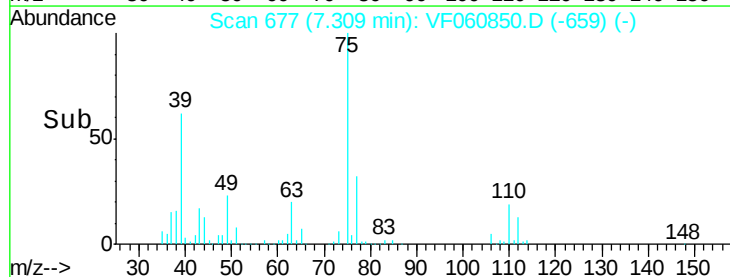
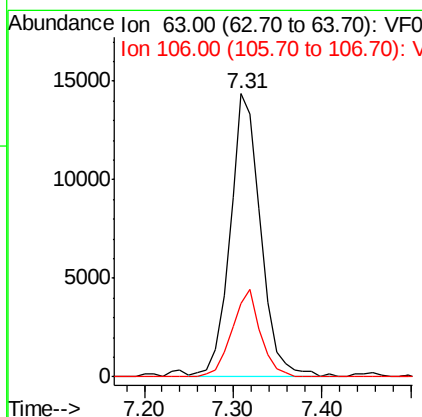
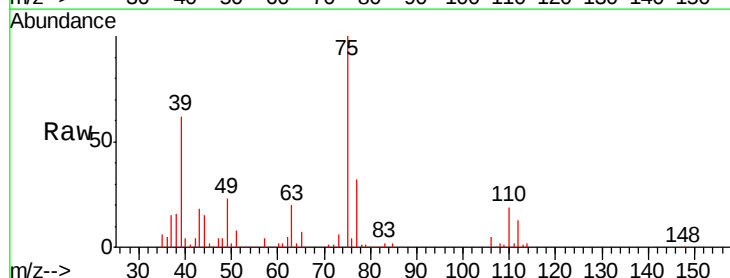
Manual Integrations
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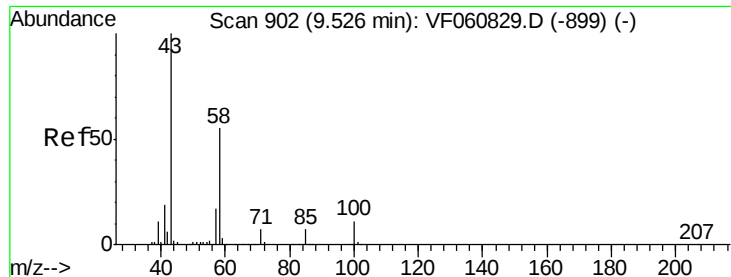
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#58
 2-Chloroethyl Vinyl ether
 Concen: 172.46 ug/l
 RT: 7.31 min Scan# 677
 Delta R.T. -0.03 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Tgt Ion: 63 Resp: 34424
 Ion Ratio Lower Upper
 63 100
 106 26.0 23.0 34.6





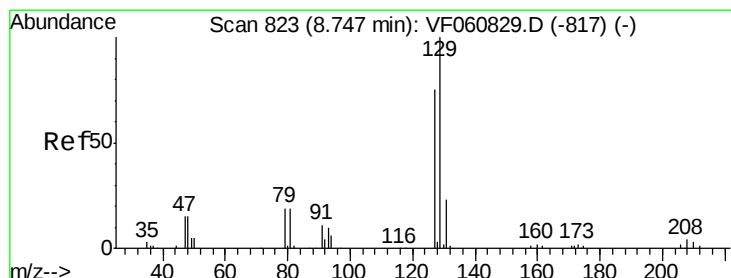
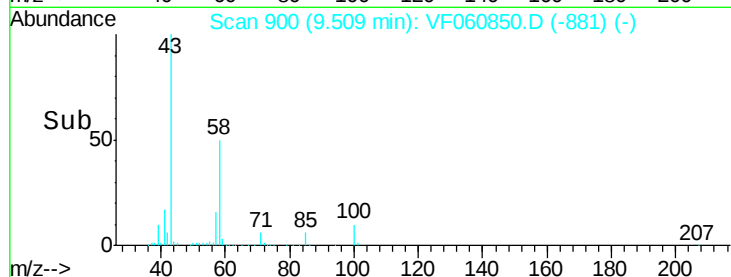
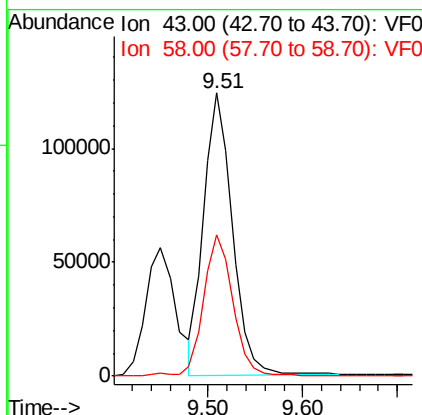
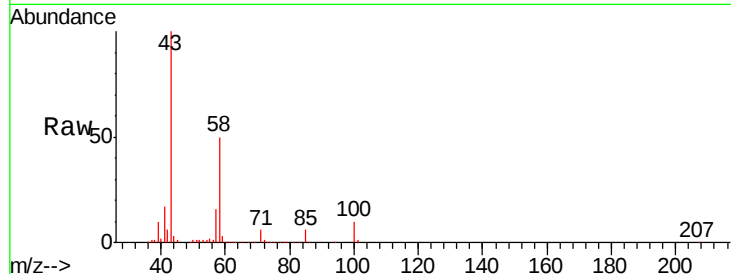
#59
2-Hexanone
Concen: 256.19 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 261674
Ion Ratio Lower Upper
43 100
58 50.0 25.6 76.6

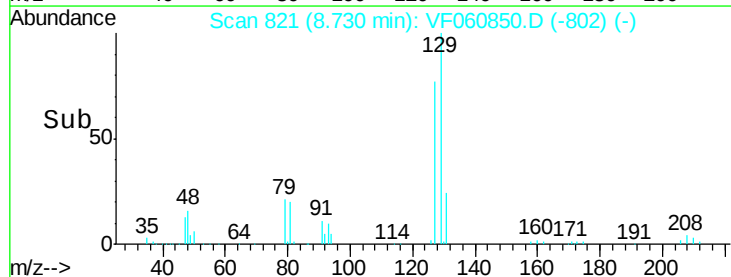
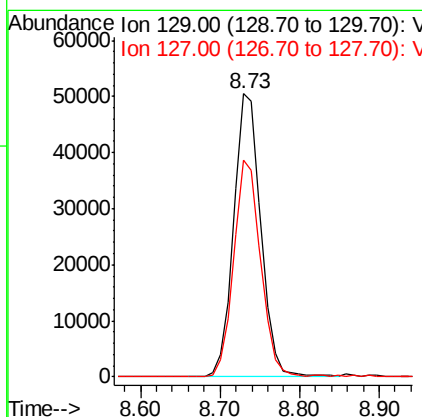
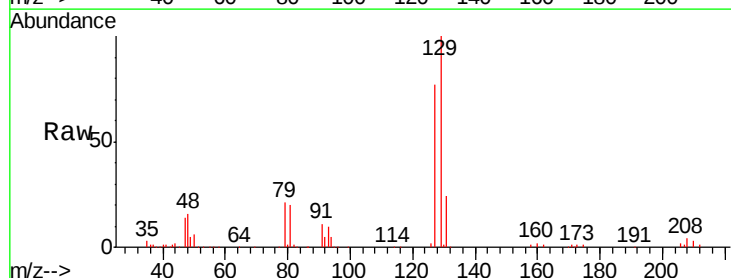
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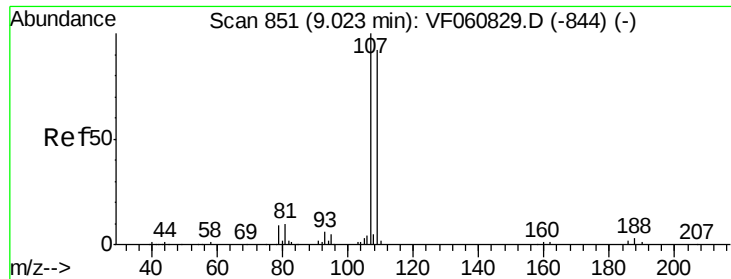
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#60
Dibromochloromethane
Concen: 45.92 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion: 129 Resp: 120184
Ion Ratio Lower Upper
129 100
127 76.8 37.3 111.9





#61

1,2-Dibromoethane

Concen: 46.62 ug/l

RT: 9.01 min Scan# 849

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 88480

Ion Ratio Lower Upper

107 100

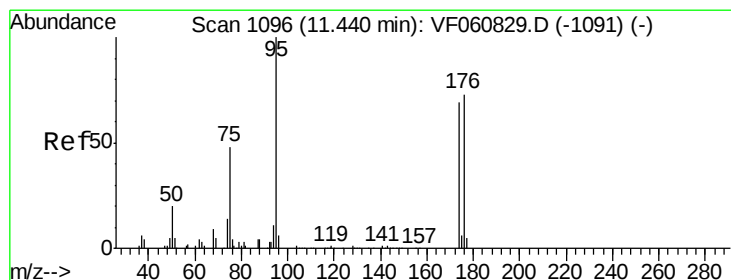
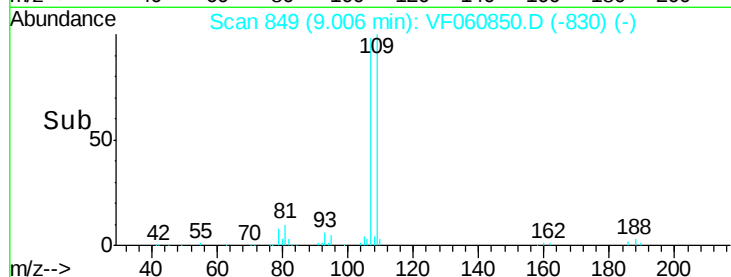
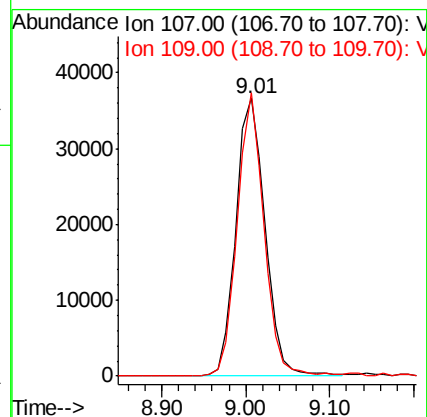
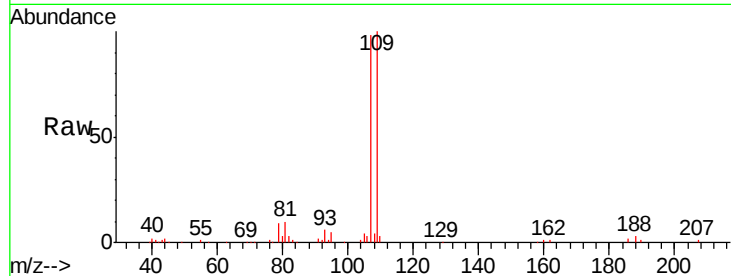
109 101.8 73.6 110.4

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#62

4-Bromofluorobenzene

Concen: 49.44 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

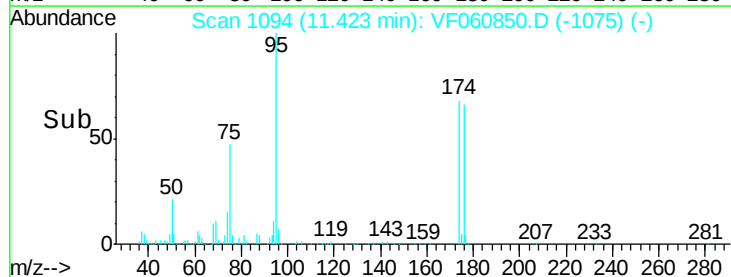
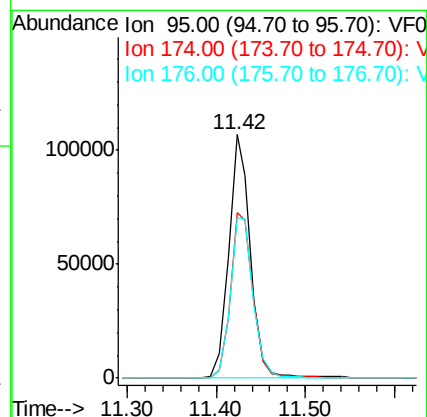
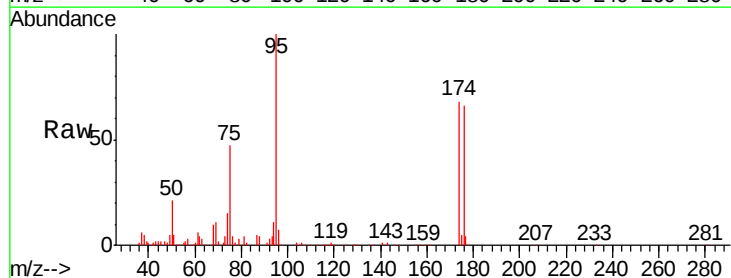
Tgt Ion: 95 Resp: 183924

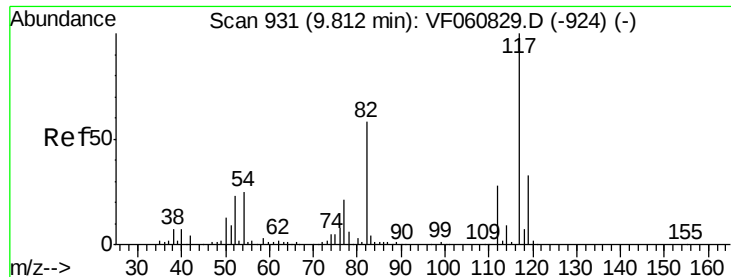
Ion Ratio Lower Upper

95 100

174 68.1 0.0 138.2

176 65.9 0.0 146.2





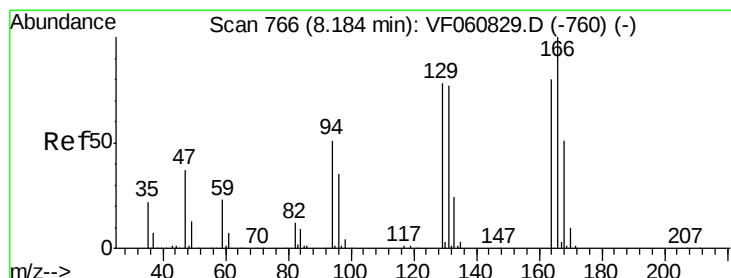
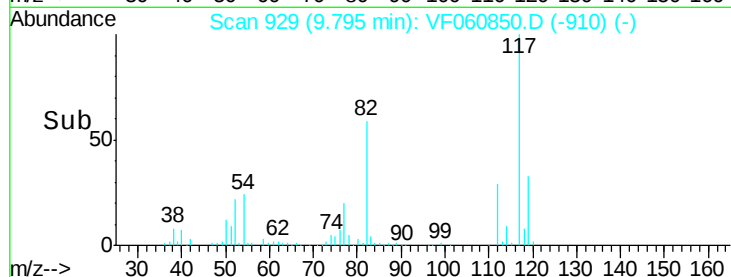
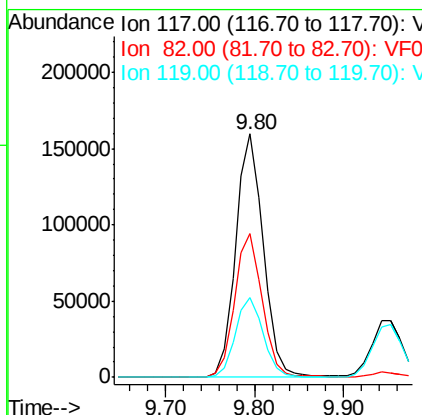
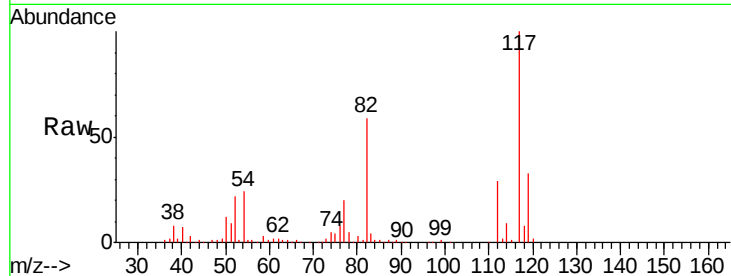
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	345463		
82	59.0	46.6	69.8	
119	32.6	26.4	39.6	

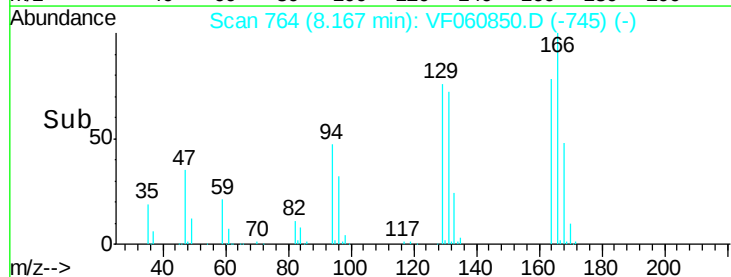
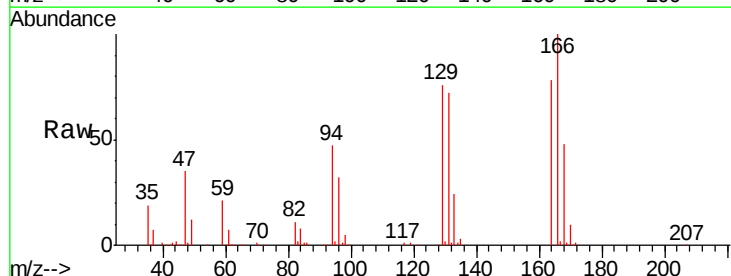
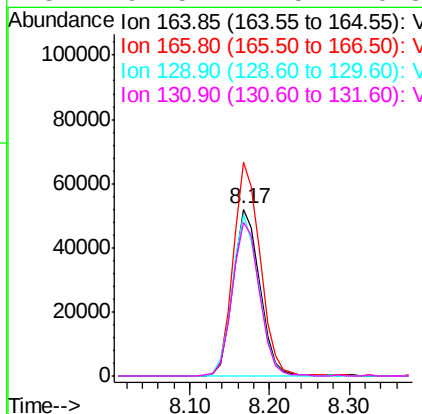
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#64
Tetrachloroethene
Concen: 46.35 ug/l
RT: 8.17 min Scan# 764
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	122309		
166	128.2	100.3	150.5	
129	96.9	77.9	116.9	
131	92.5	77.5	116.3	





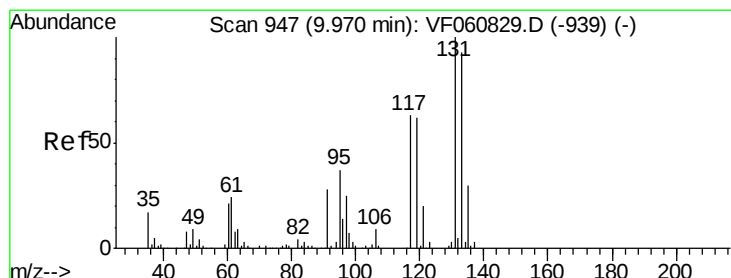
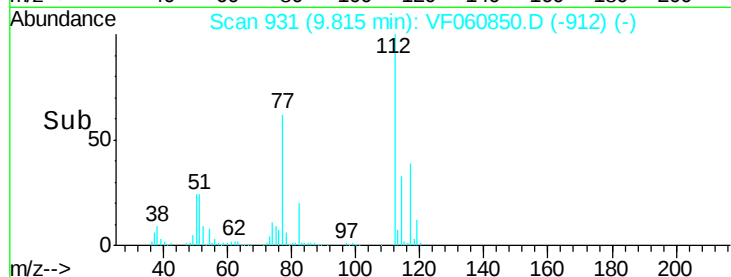
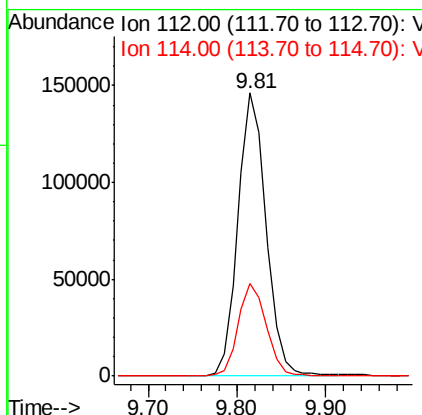
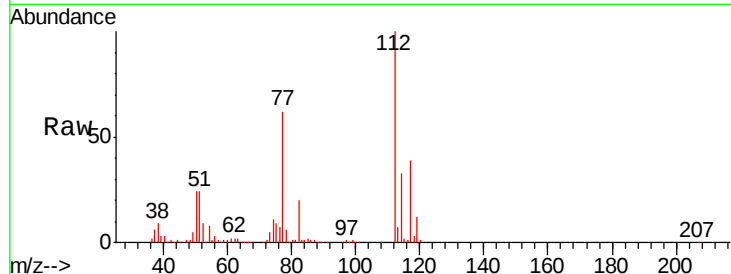
#65
Chlorobenzene
Concen: 47.99 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 322541
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0

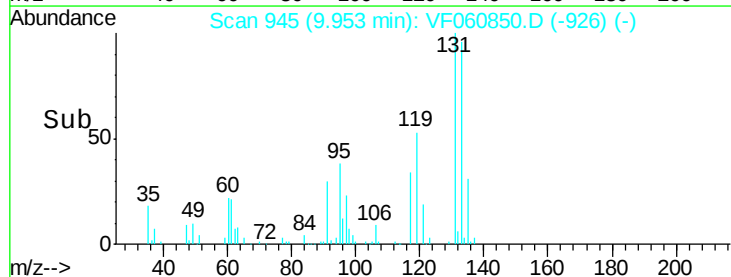
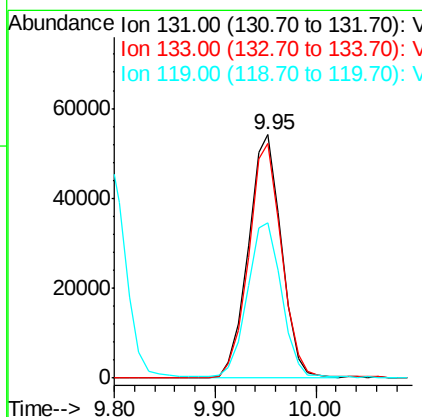
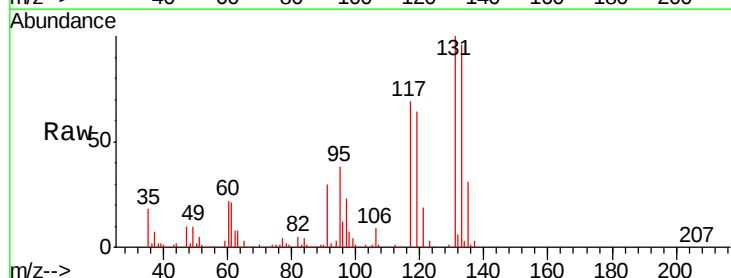
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#66
1,1,1,2-Tetrachloroethane
Concen: 42.88 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion:131 Resp: 123902
Ion Ratio Lower Upper
131 100
133 96.2 46.5 139.3
119 63.9 31.1 93.3





#67

Ethyl Benzene

Concen: 45.02 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 563216

Ion Ratio Lower Upper

91 100

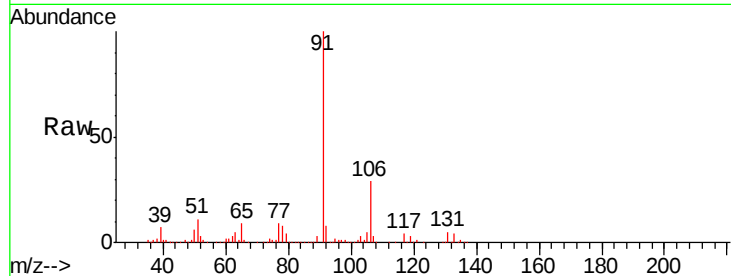
106 29.4 22.2 33.2

Manual Integrations

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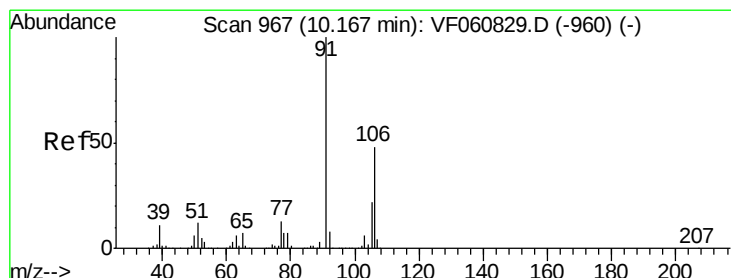
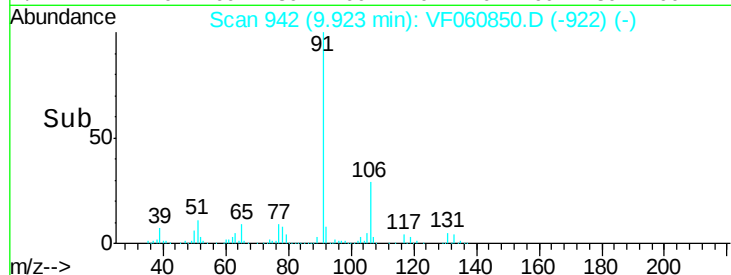
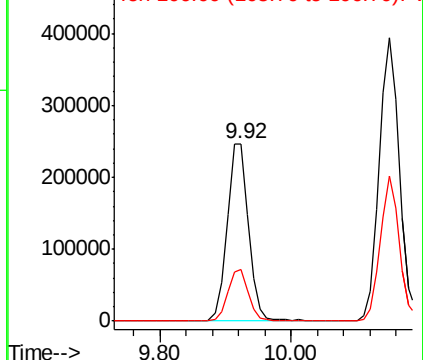
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 91.74 ug/l

RT: 10.15 min Scan# 965

Delta R.T. -0.02 min

Lab File: VF060850.D

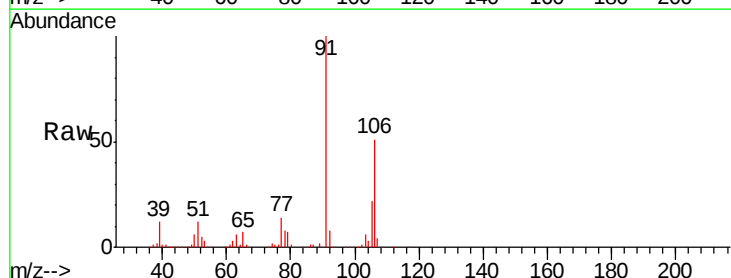
Acq: 28 Nov 2018 11:04

Tgt Ion: 106 Resp: 412832

Ion Ratio Lower Upper

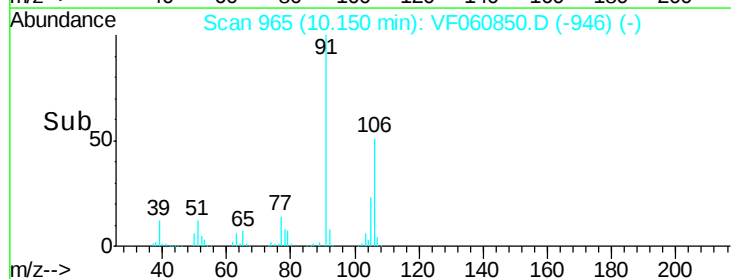
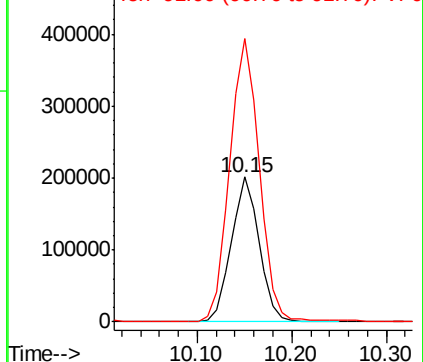
106 100

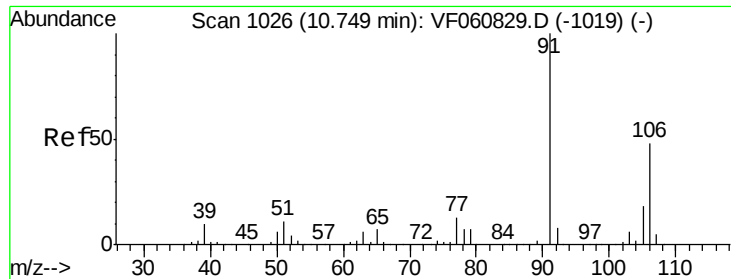
91 195.7 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





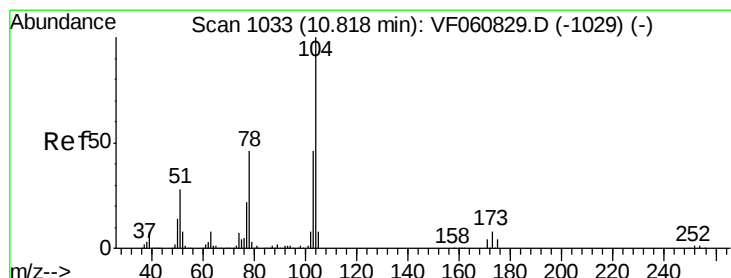
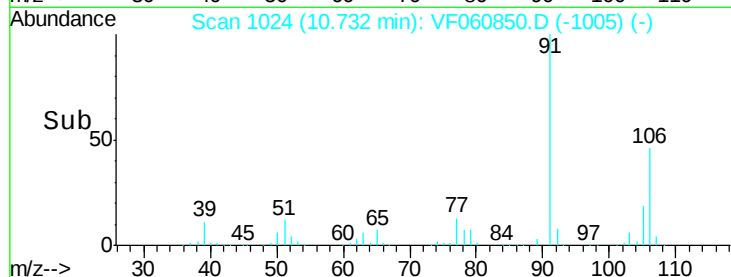
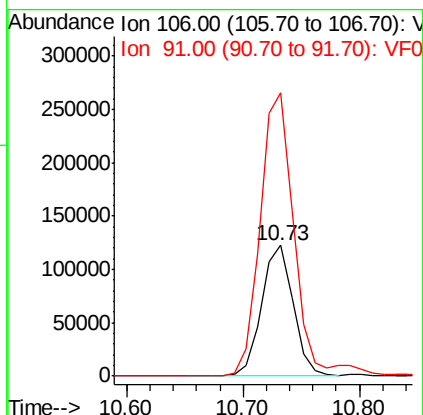
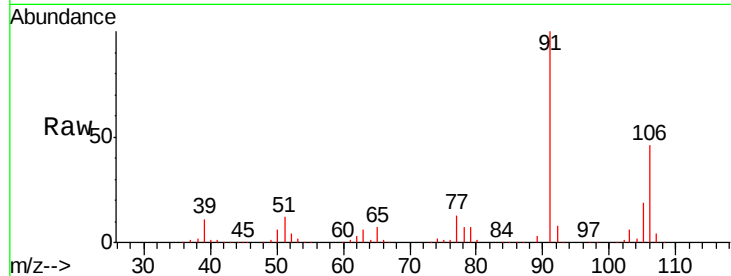
#69
o-Xylene
Concen: 46.52 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 230844
Ion Ratio Lower Upper
106 100
91 216.7 104.8 314.6

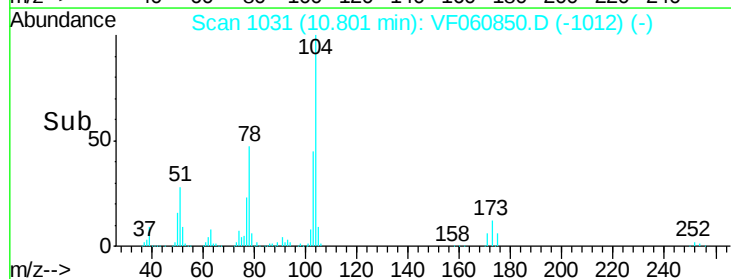
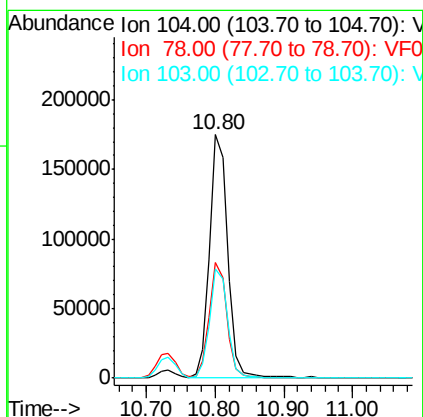
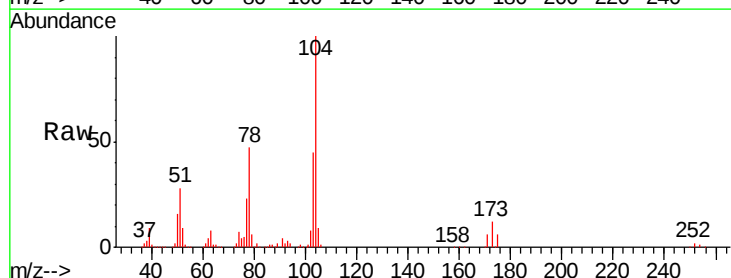
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#70
Styrene
Concen: 46.37 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion:104 Resp: 318983
Ion Ratio Lower Upper
104 100
78 47.3 37.3 55.9
103 44.8 36.8 55.2





#71

Bromoform

Concen: 45.39 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

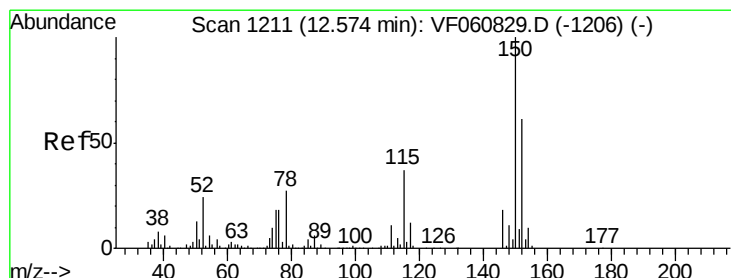
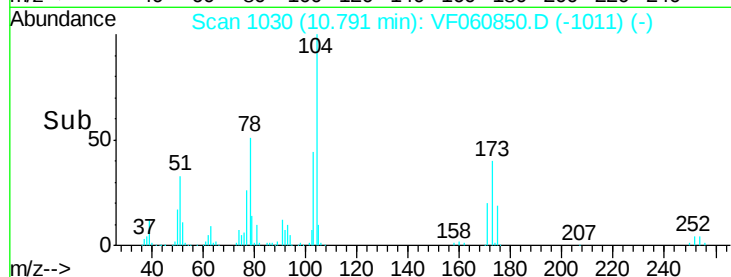
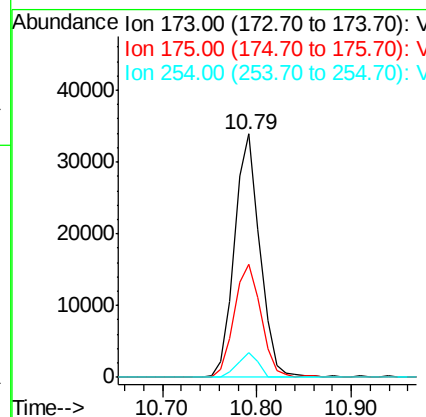
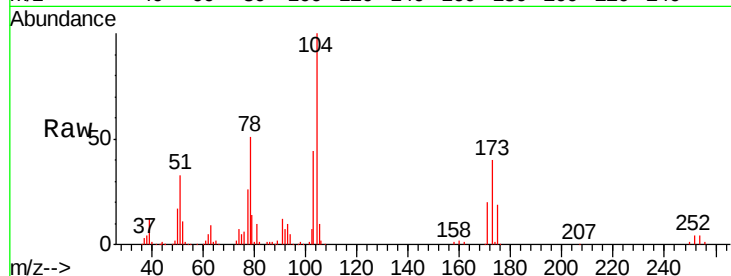
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	25.5	76.5
254	9.9	7.5	11.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

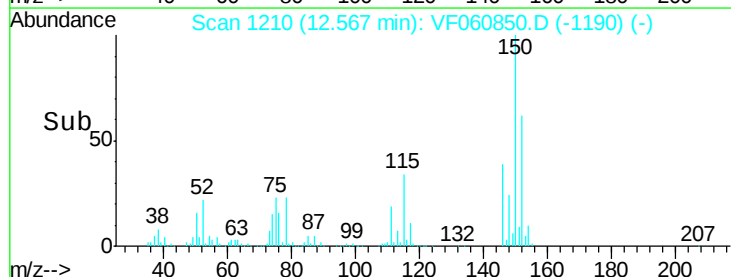
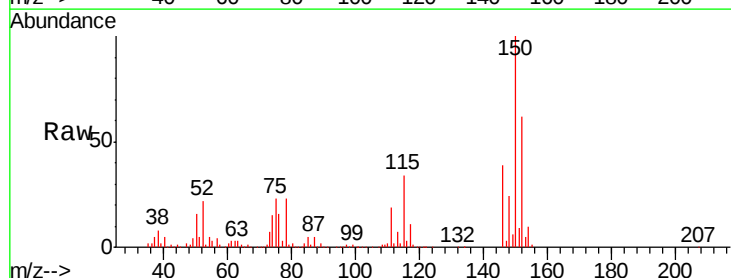
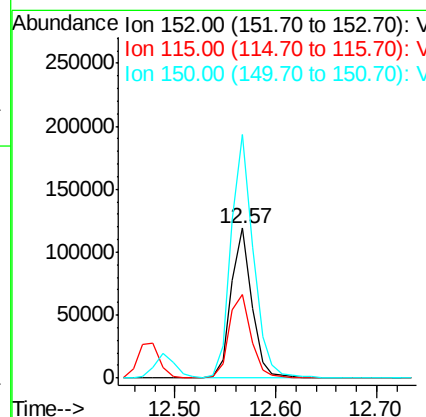
RT: 12.57 min Scan# 1210

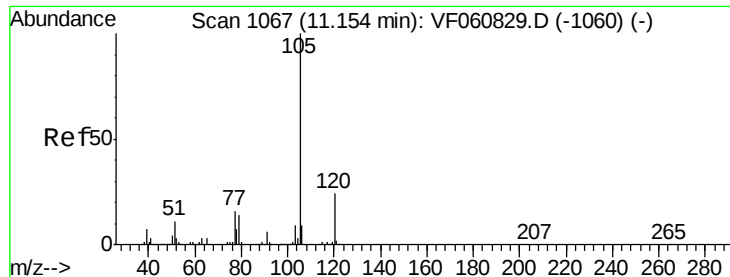
Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	30.1	90.5
150	162.5	0.0	327.6





#73

Isopropylbenzene

Concen: 50.57 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 684947

Ion Ratio Lower Upper

105 100

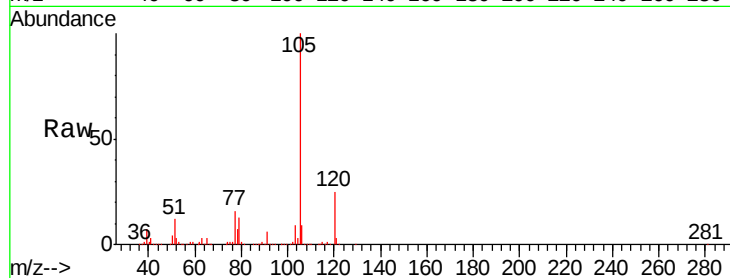
120 25.5 12.2 36.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.14

400000

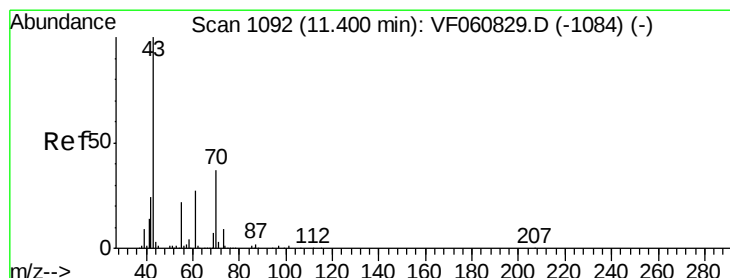
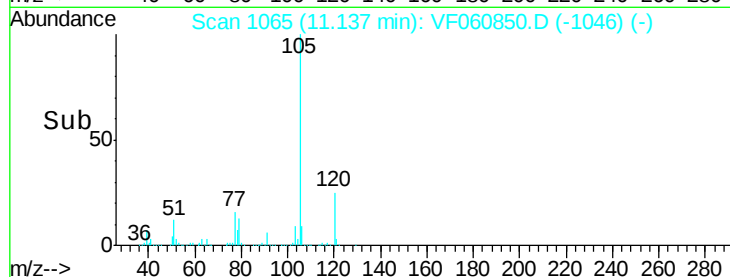
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 50.45 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion: 43 Resp: 157772

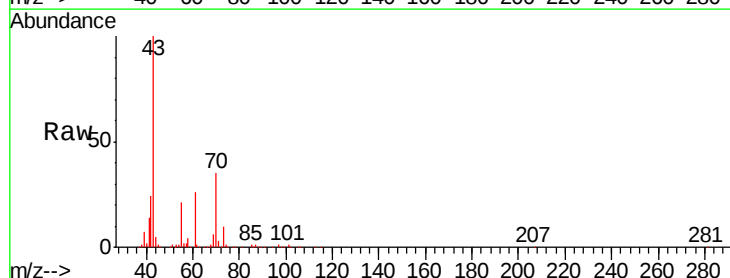
Ion Ratio Lower Upper

43 100

70 35.1 29.6 44.4

55 20.8 17.2 25.8

61 26.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.38

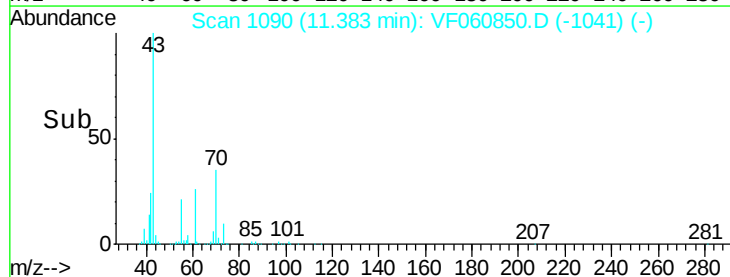
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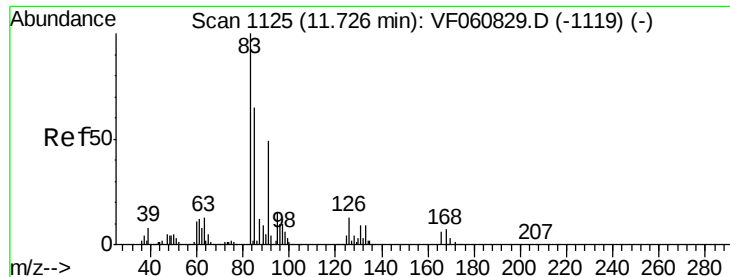
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.79 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 113220
Ion Ratio Lower Upper

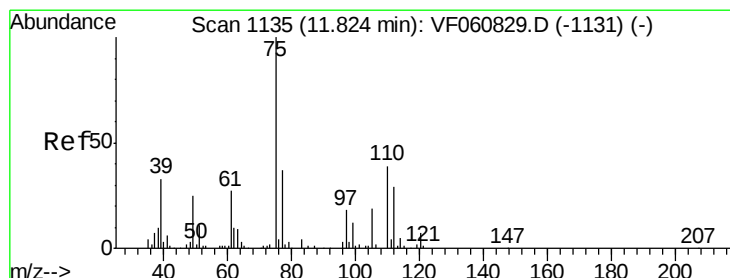
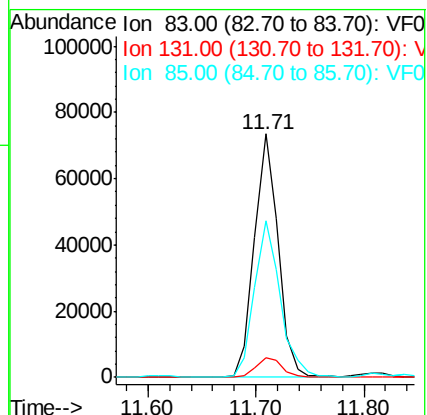
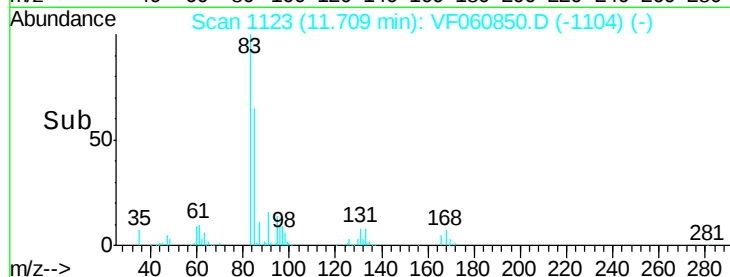
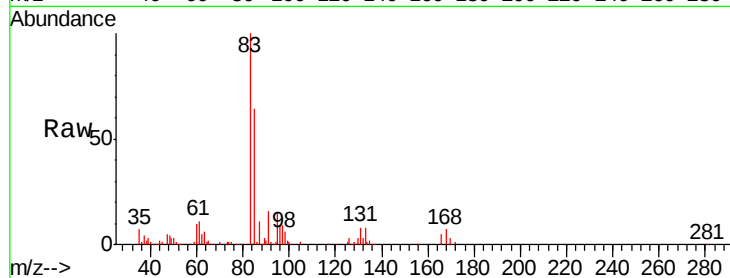
83 100

131 8.1 4.7 14.1

85 64.5 32.6 97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.20 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.02 min

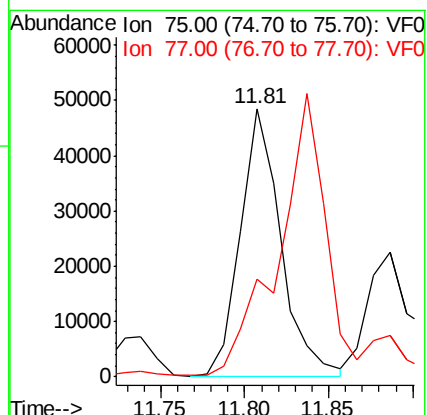
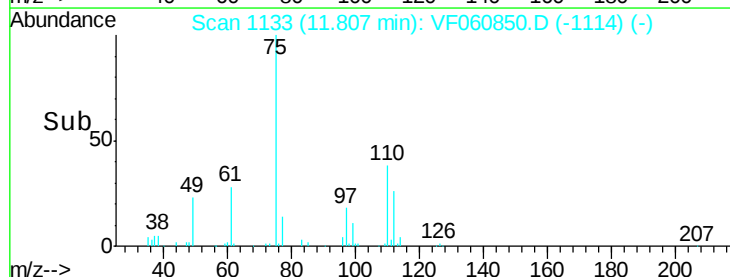
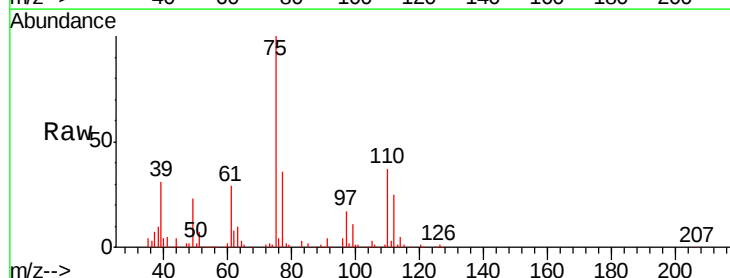
Lab File: VF060850.D

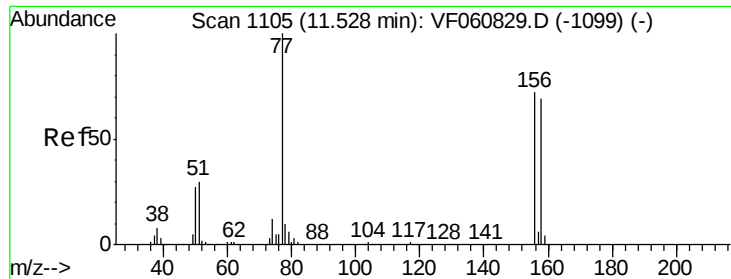
Acq: 28 Nov 2018 11:04

Tgt Ion: 75 Resp: 81328
Ion Ratio Lower Upper

75 100

77 36.4 18.4 55.4





#77

Bromobenzene

Concen: 48.84 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

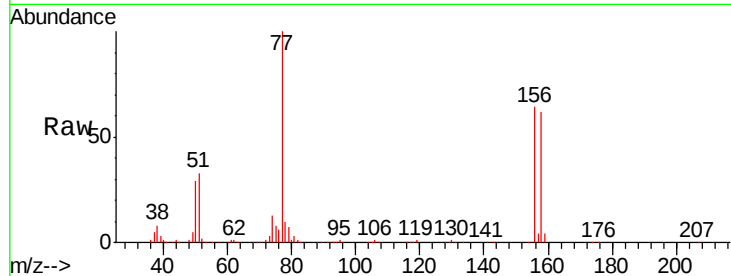
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	156.6	69.7	209.0
158	97.8	47.8	143.4

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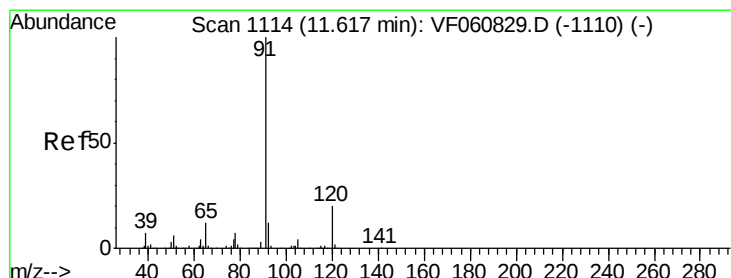
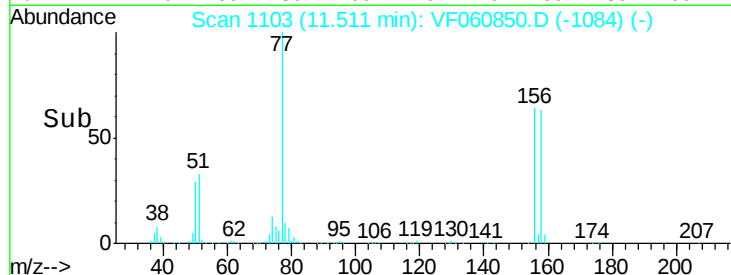
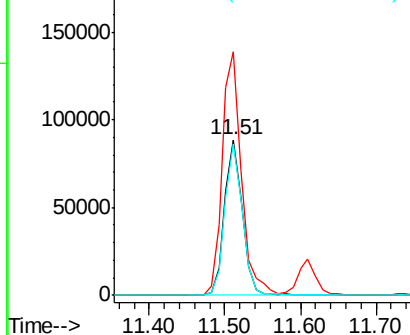
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.13 ug/l

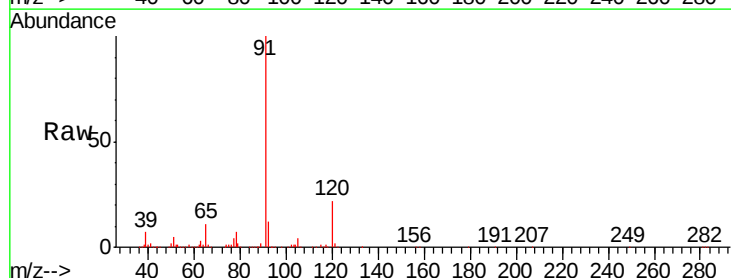
RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060850.D

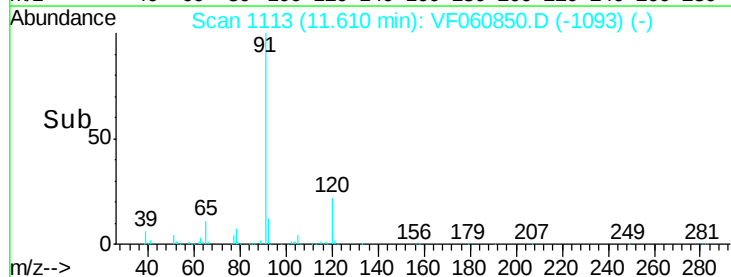
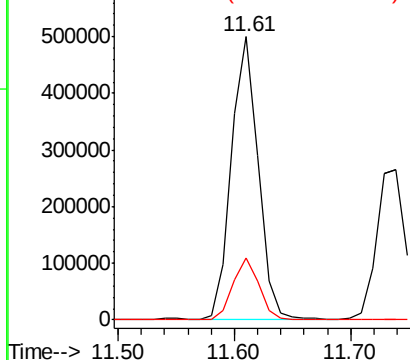
Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.3	30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.69 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 451883

Ion Ratio Lower Upper

91 100

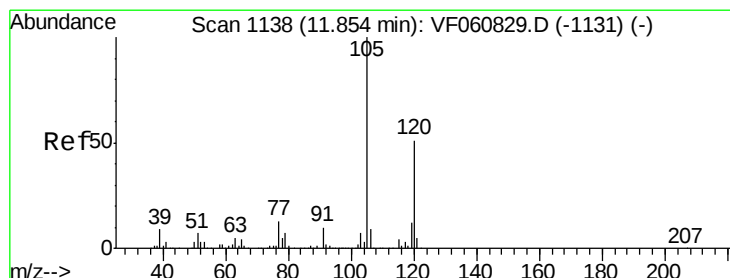
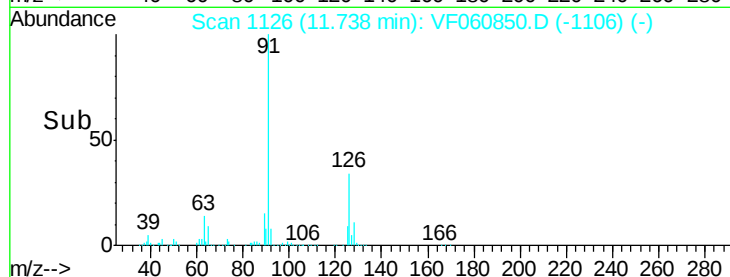
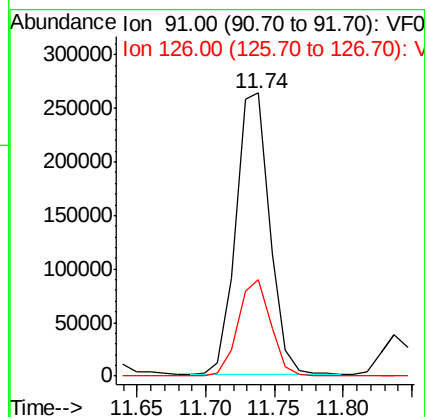
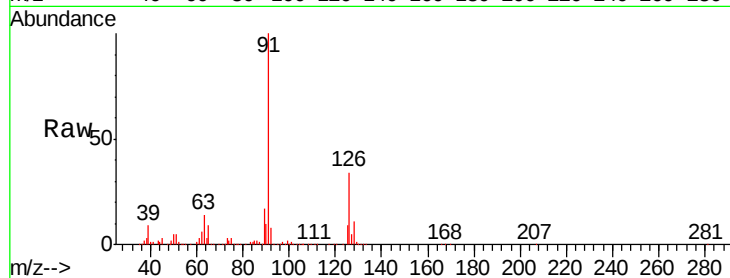
126 34.2 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 49.29 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VF060850.D

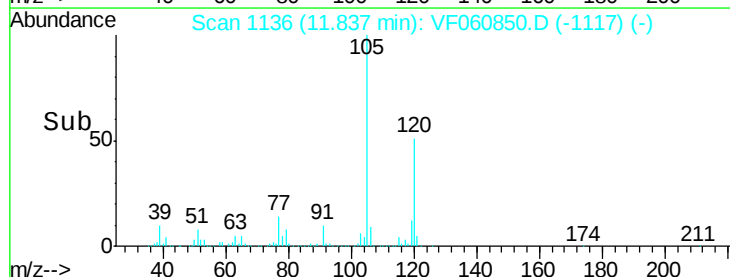
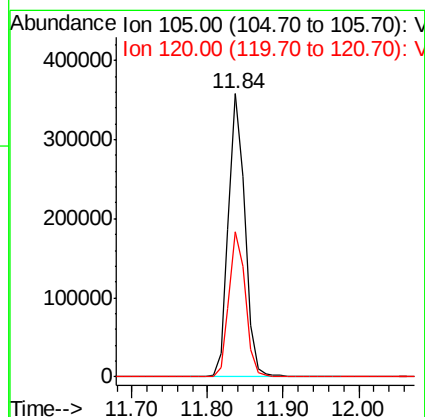
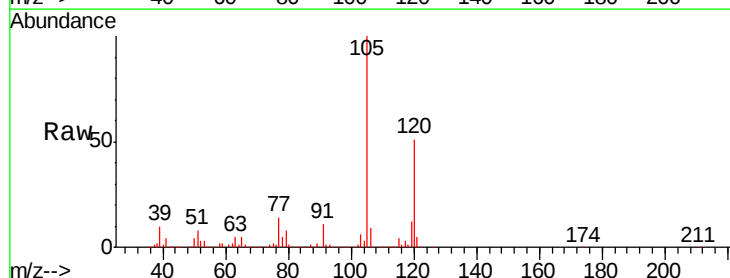
Acq: 28 Nov 2018 11:04

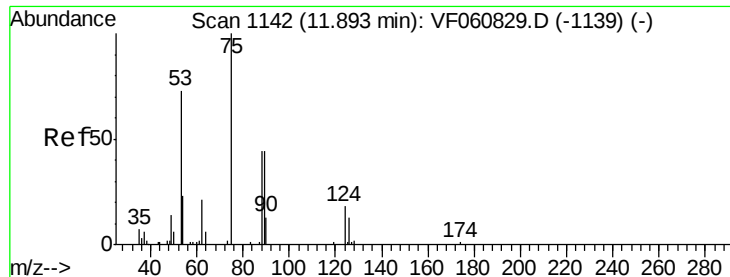
Tgt Ion: 105 Resp: 541951

Ion Ratio Lower Upper

105 100

120 51.1 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.14 ug/l m

RT: 11.89 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

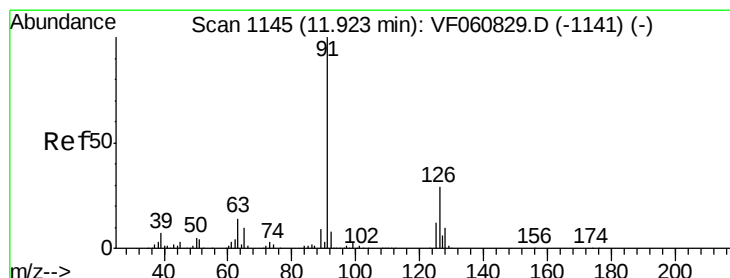
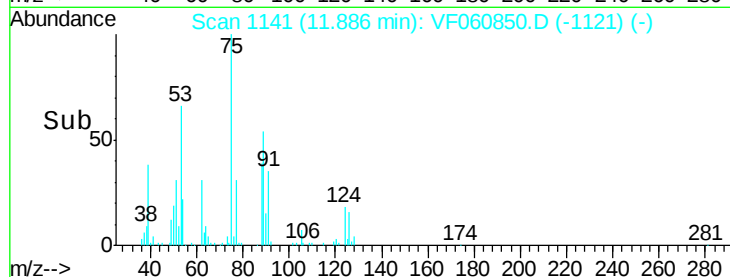
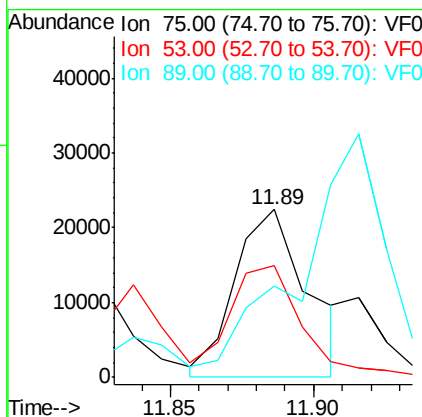
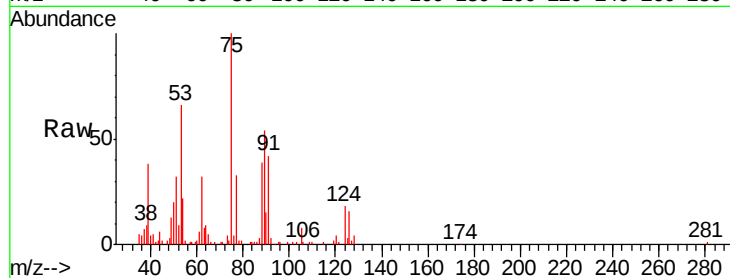
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	39802
Ion Ratio	Lower	Upper	
75	100		
53	66.2	65.9	98.9
89	54.3	38.8	58.2

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#82

4-Chlorotoluene

Concen: 47.60 ug/l

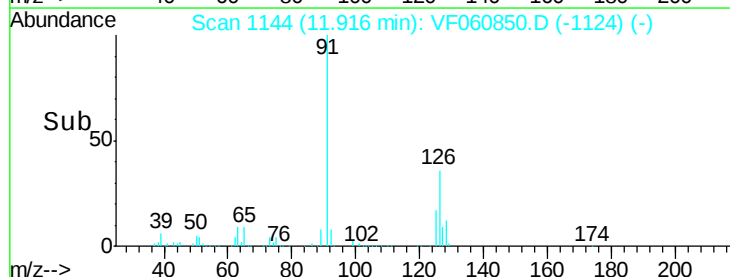
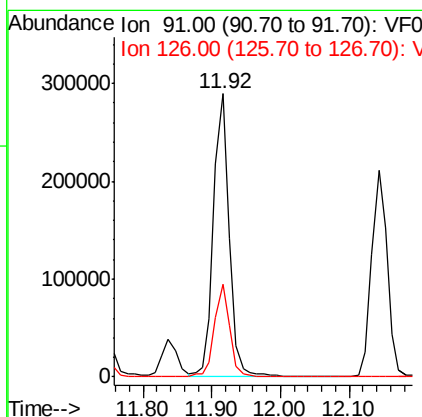
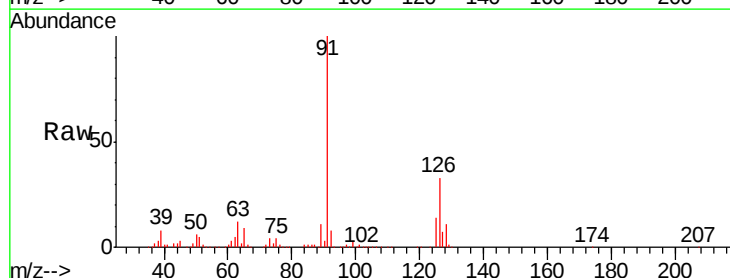
RT: 11.92 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Tgt Ion:	91	Resp:	455553
Ion Ratio	Lower	Upper	
91	100		
126	32.8	14.8	44.4





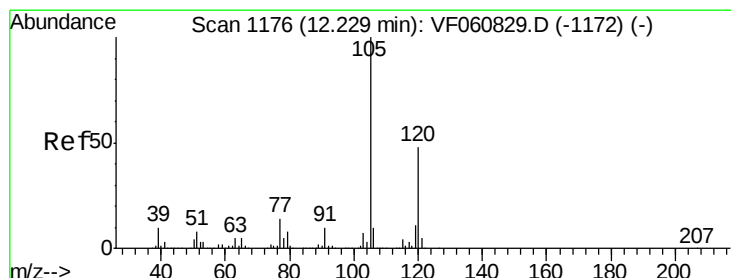
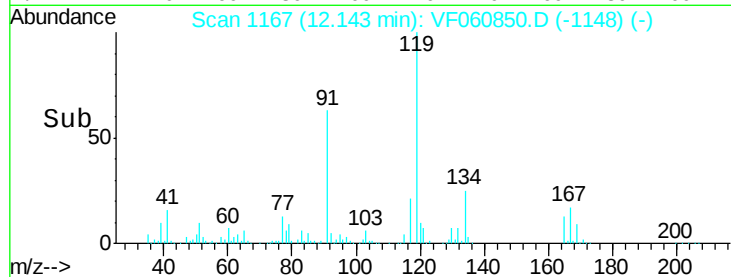
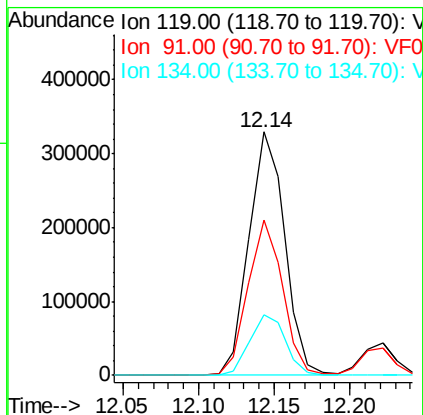
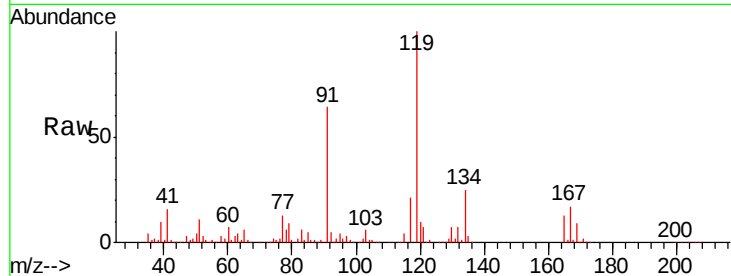
#83
 tert-Butylbenzene
 Concen: 48.88 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	547402		
91	64.1	30.1	90.3	
134	25.1	12.6	37.8	

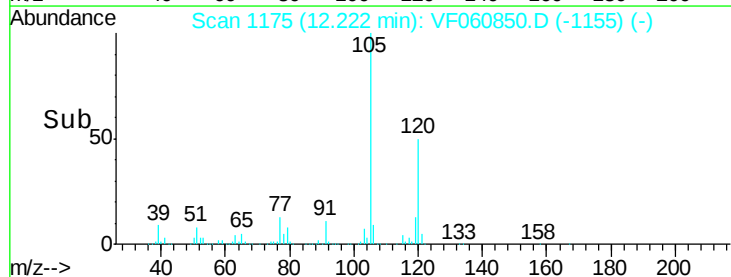
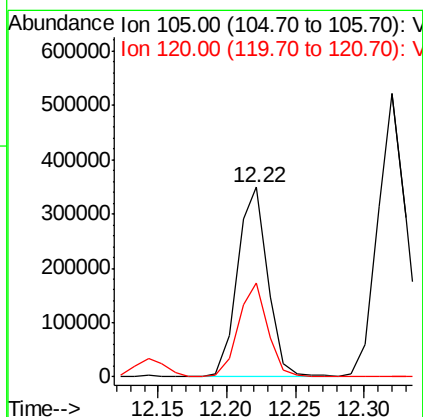
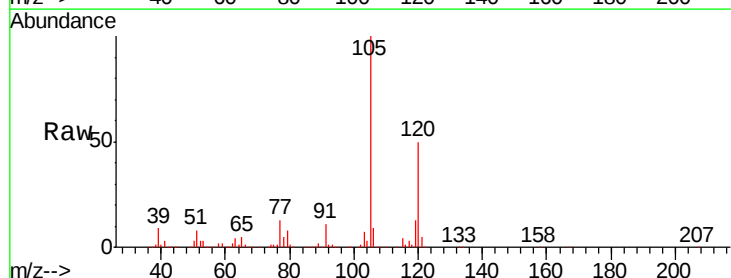
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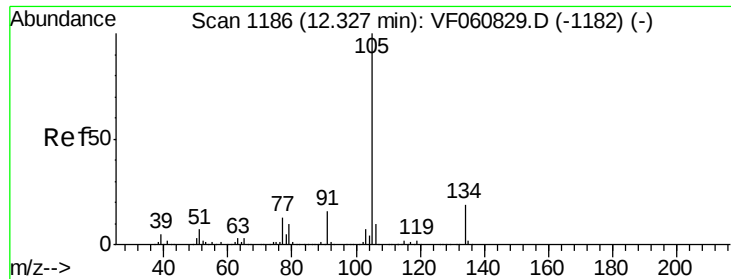
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.95 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	537088		
120	49.9	23.8	71.5	





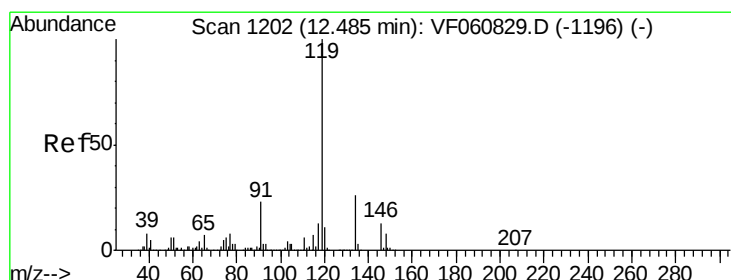
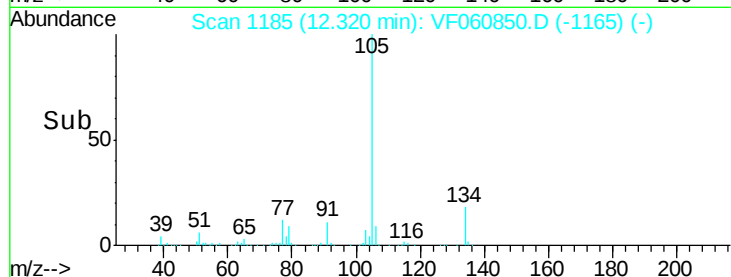
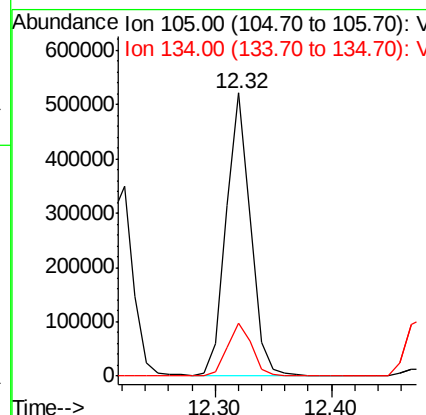
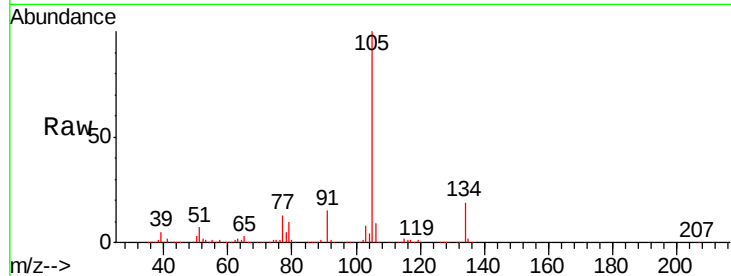
#85
 sec-Butylbenzene
 Concen: 49.06 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 752110
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.5 28.5

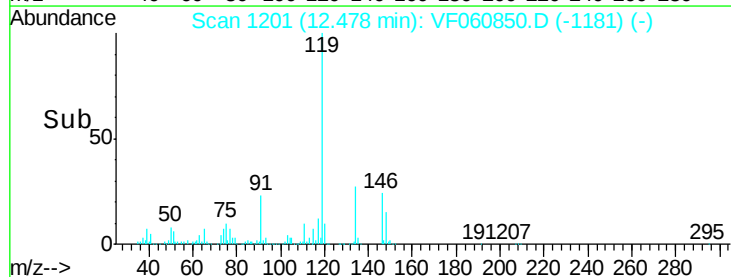
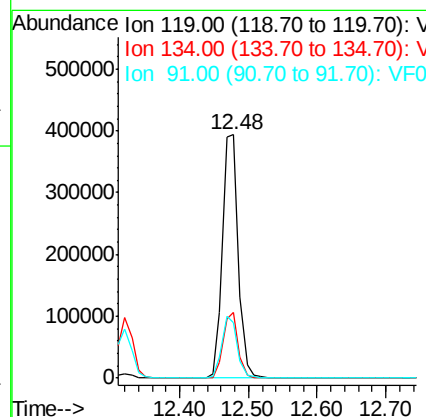
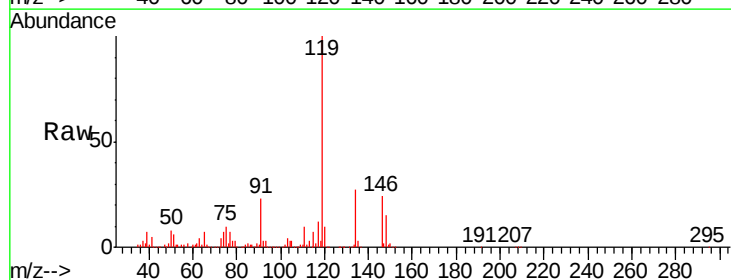
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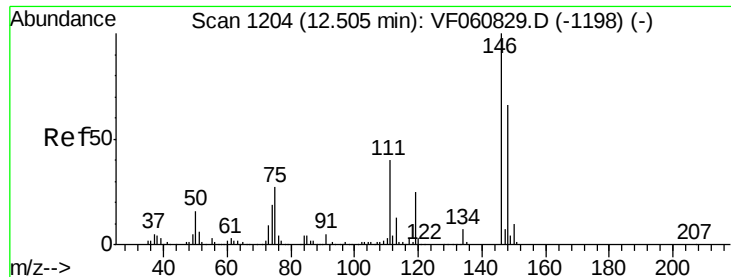
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#86
 p-Isopropyltoluene
 Concen: 49.05 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Tgt Ion:119 Resp: 630495
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.9 38.6
 91 22.9 11.8 35.3





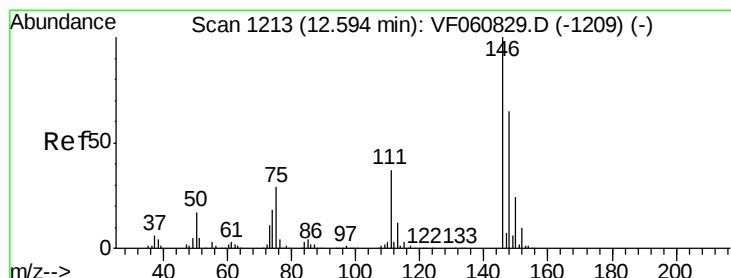
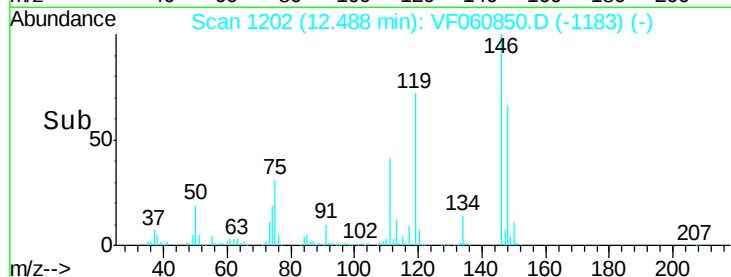
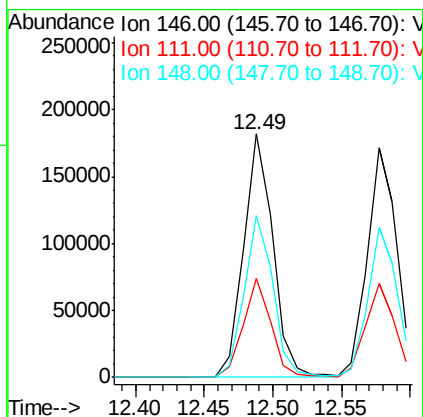
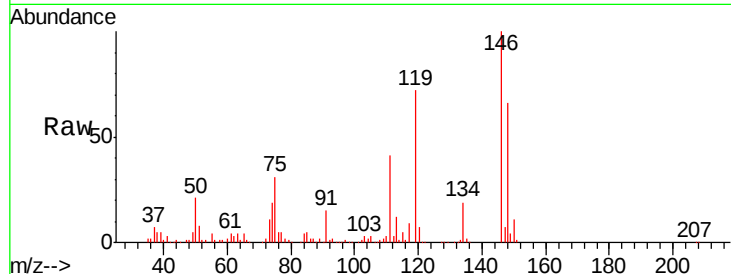
#87
 1,3-Dichlorobenzene
 Concen: 48.32 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	272885		
111	40.5	20.0	59.9	
148	66.2	32.9	98.6	

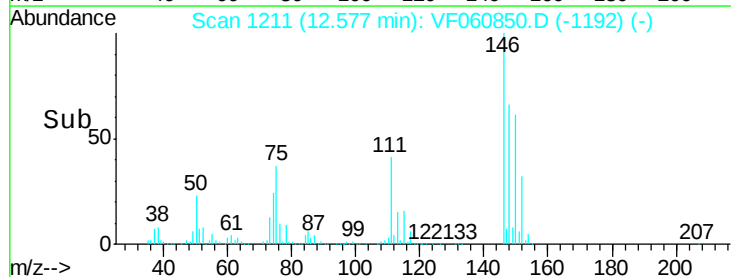
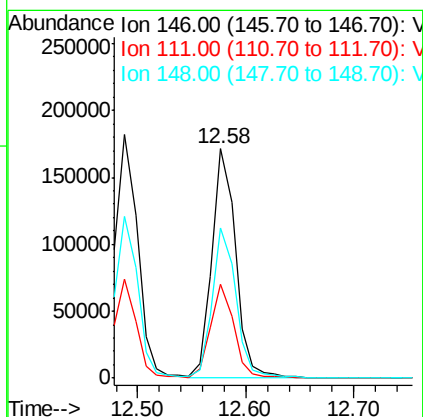
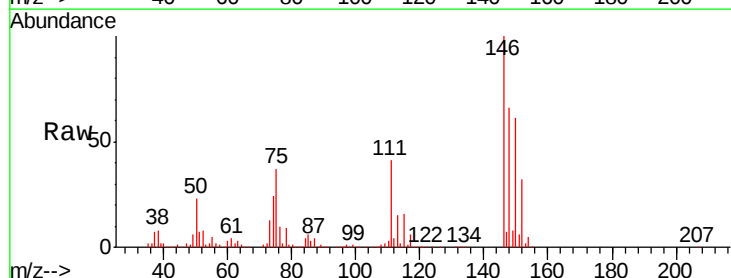
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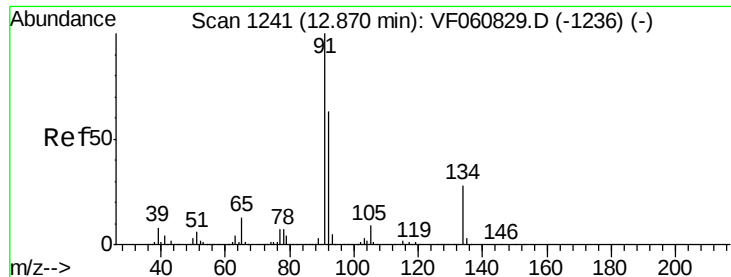
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#88
 1,4-Dichlorobenzene
 Concen: 47.58 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. -0.02 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	261868		
111	41.0	18.9	56.7	
148	65.6	32.3	96.9	





#89

n-Butylbenzene

Concen: 48.30 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VF060850.D

Acq: 28 Nov 2018 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 627778

Ion Ratio Lower Upper

91 100

92 64.8 31.6 94.7

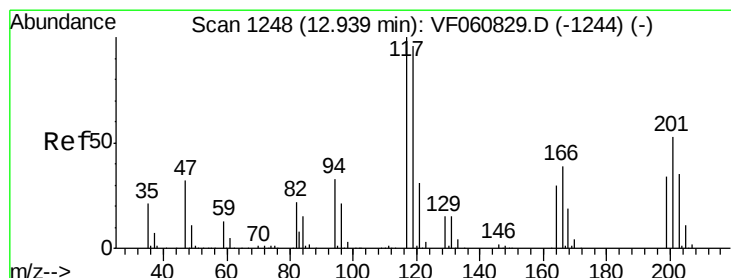
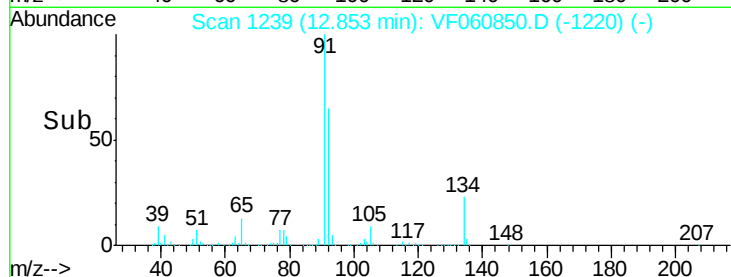
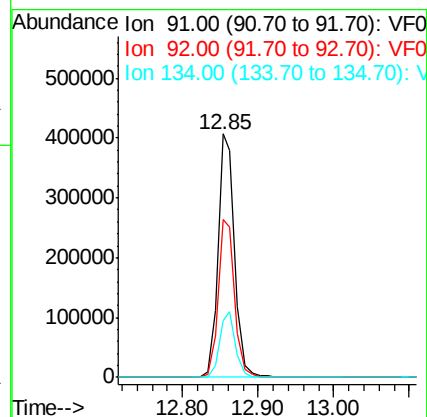
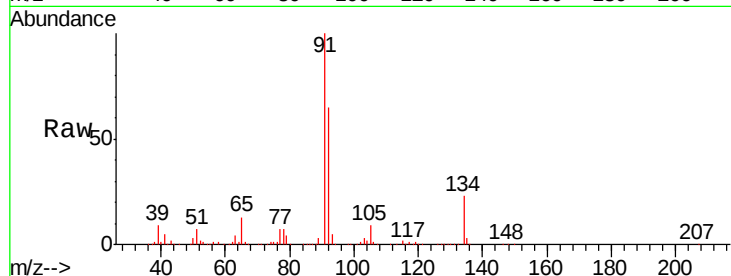
134 23.3 13.8 41.4

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#90

Hexachloroethane

Concen: 50.93 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF060850.D

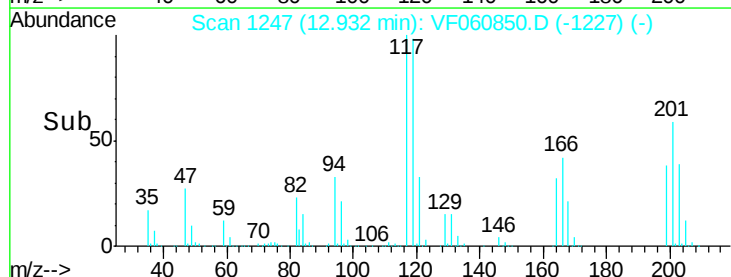
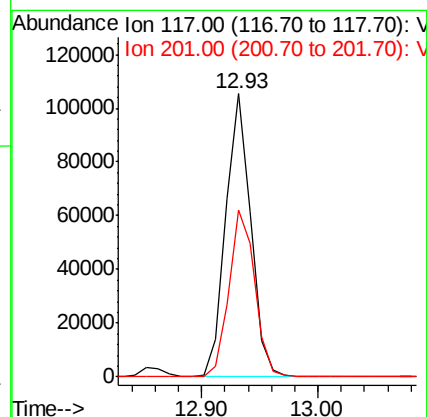
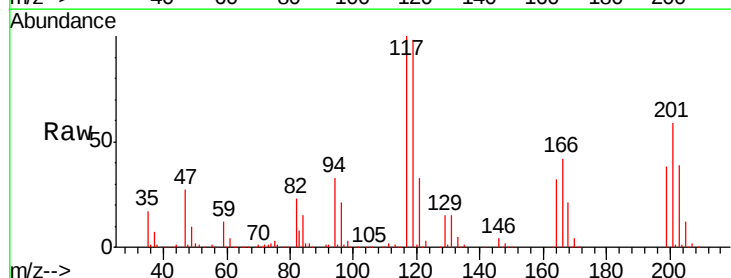
Acq: 28 Nov 2018 11:04

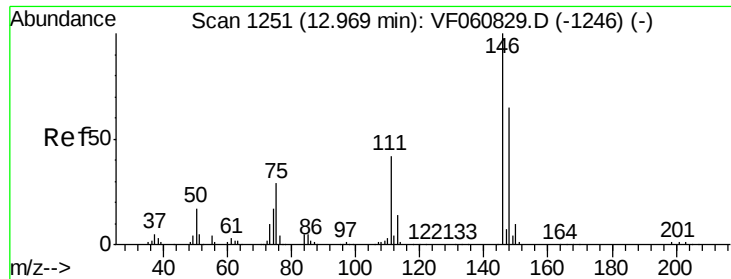
Tgt Ion: 117 Resp: 157635

Ion Ratio Lower Upper

117 100

201 58.9 26.7 80.1





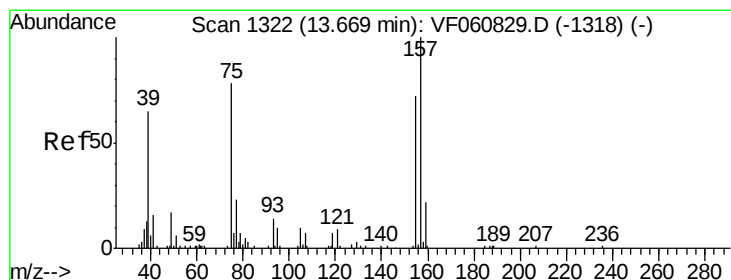
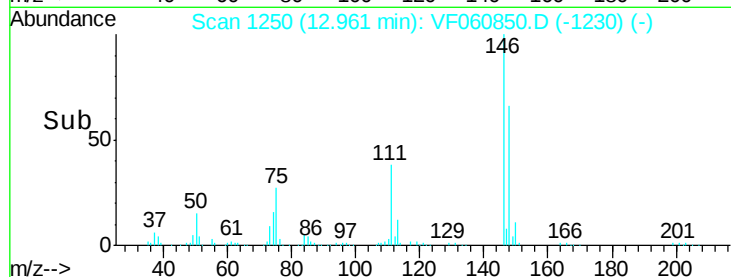
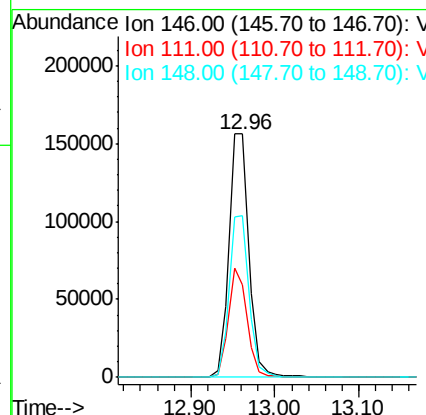
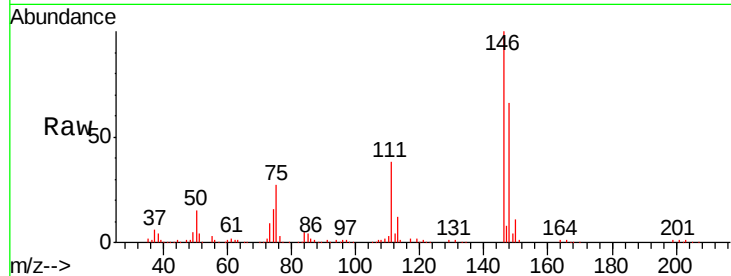
#91
 1,2-Dichlorobenzene
 Concen: 48.27 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	258201		
111	38.1	21.2	63.6	
148	66.4	32.5	97.5	

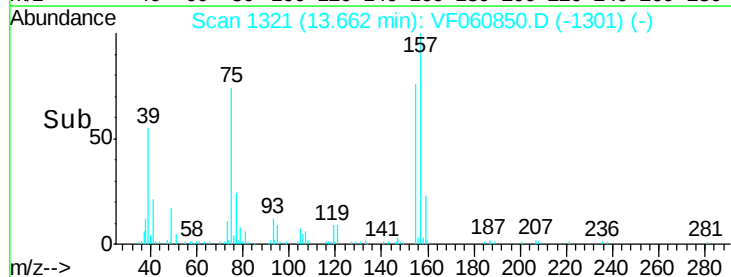
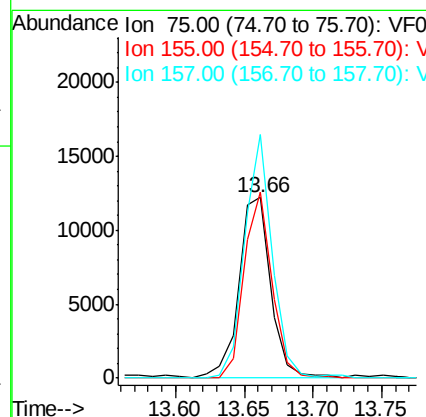
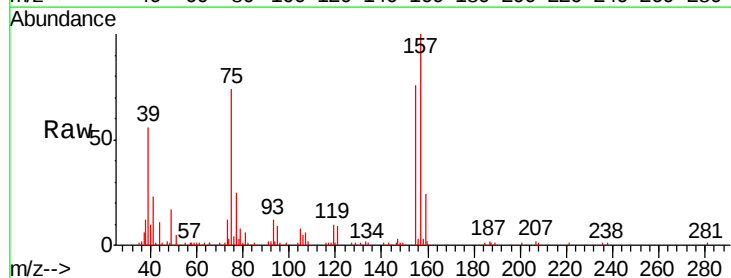
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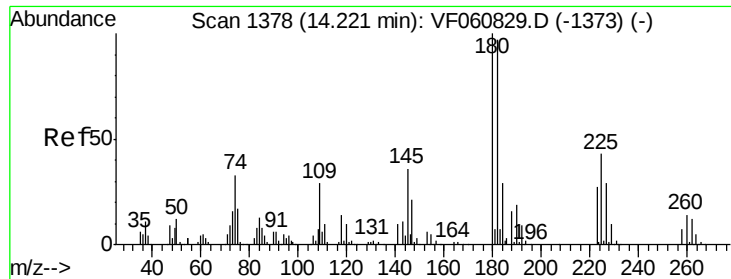
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.17 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19895		
155	102.7	45.6	136.9	
157	134.6	63.8	191.5	





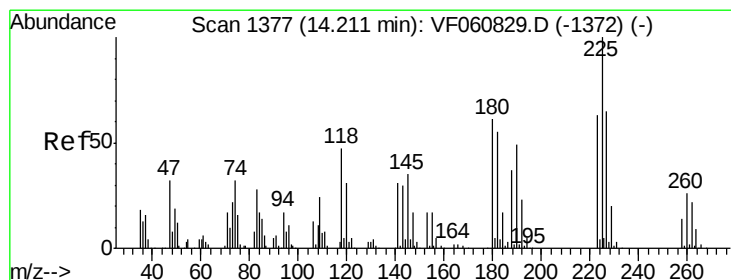
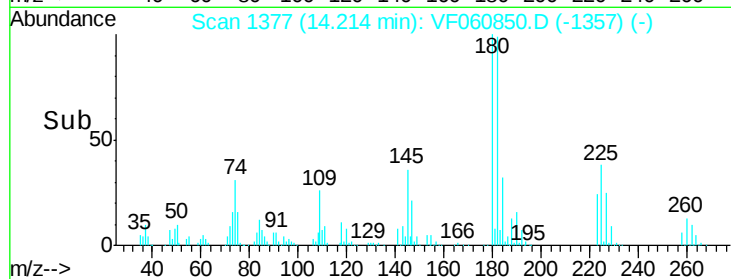
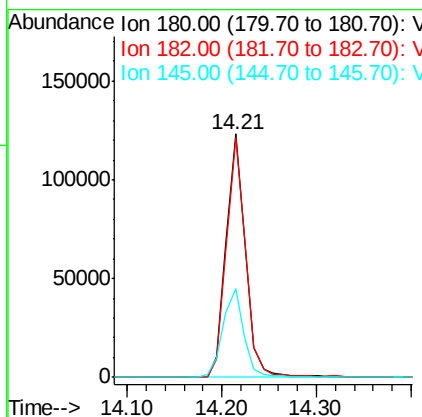
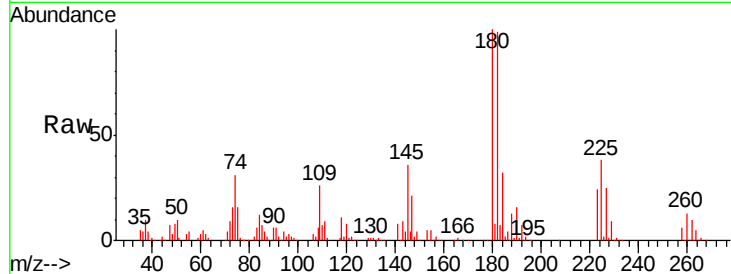
#93
 1,2,4-Trichlorobenzene
 Concen: 47.08 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	175944		
182	98.5	48.5	145.5	
145	36.2	18.1	54.3	

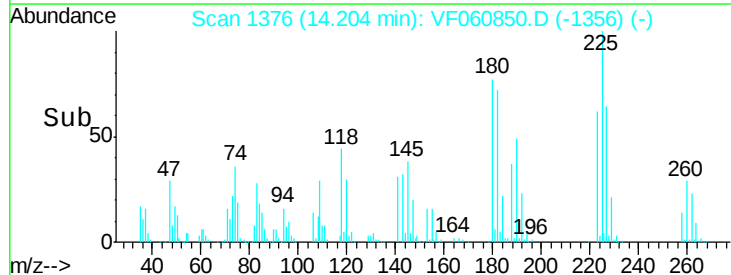
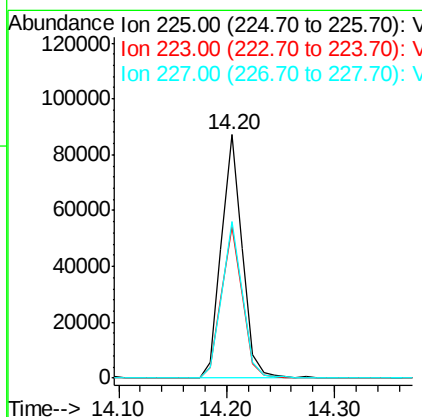
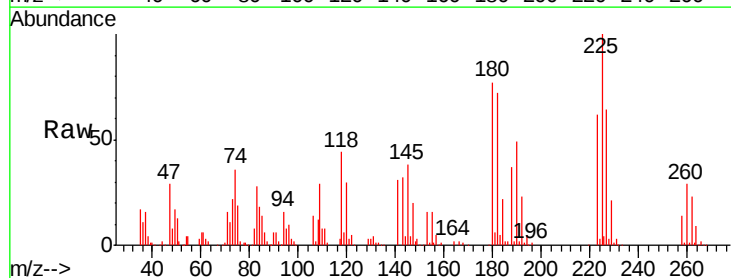
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#94
 Hexachlorobutadiene
 Concen: 47.20 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060850.D
 Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	117597		
223	62.3	31.4	94.3	
227	64.3	32.5	97.5	





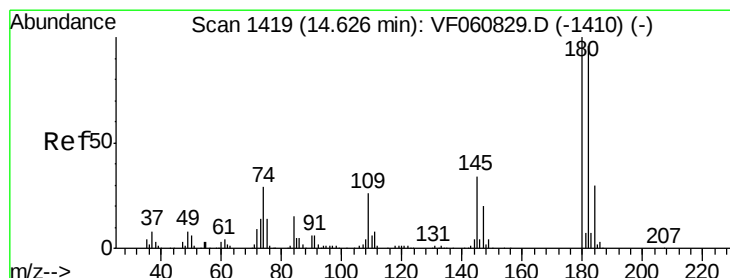
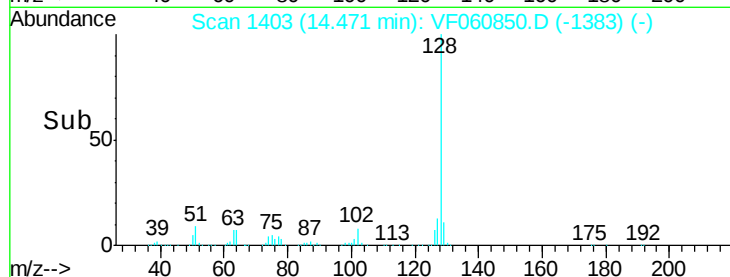
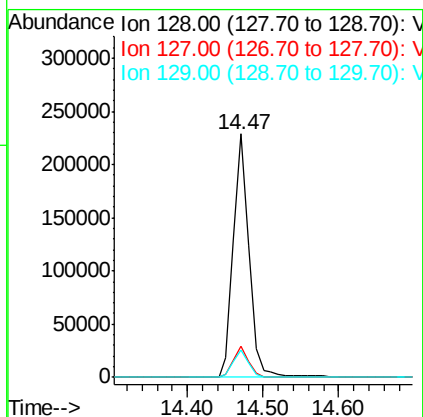
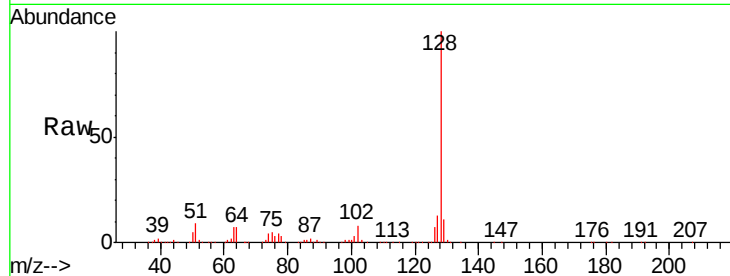
#95
Naphthalene
Concen: 44.83 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	327800		
127	12.8	9.9	14.9	
129	11.1	9.1	13.7	

Manual Integrations
APPROVED

apatel
11/29/2018 2:54:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.83 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF060850.D
Acq: 28 Nov 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	169444		
182	94.5	47.9	143.8	
145	33.0	17.2	51.5	

