

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062243.D
 Acq On : 22 Apr 2019 14:31
 Operator : FY/SY
 Sample : VF0422SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 9:22:25 AM

Quant Time: Apr 23 01:34:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	438618	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	573416	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	448607	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	251726	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	205995	51.22	ug/l	0.02
Spiked Amount 50.000			Recovery	=	102.44%	
35) Dibromofluoromethane	4.32	113	269793	53.79	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.58%	
50) Toluene-d8	7.72	98	643620	50.69	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.50	95	257477	52.71	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	139005	20.854	ug/l	99
3) Chloromethane	1.14	50	122575	17.791	ug/l	99
4) Vinyl Chloride	1.19	62	112473	19.002	ug/l	96
5) Bromomethane	1.39	94	67759	19.706	ug/l	88
6) Chloroethane	1.45	64	50433	20.381	ug/l	94
7) Trichlorofluoromethane	1.55	101	154831	20.590	ug/l	95
8) Diethyl Ether	1.71	74	27148	17.346	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.92	101	105931	20.621	ug/l	99
10) Methyl Iodide	1.99	142	183087m	20.062	ug/l	
11) Tert butyl alcohol	2.70	59	24376	87.192	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	99603	20.385	ug/l	98
13) Acrolein	2.10	56	11907	69.489	ug/l	86
14) Allyl chloride	2.20	41	118803	21.187	ug/l	96
15) Acrylonitrile	3.08	53	80019	93.975	ug/l	99
16) Acetone	2.35	43	85894	89.348	ug/l	93
17) Carbon Disulfide	1.91	76	255370m	18.809	ug/l	
18) Methyl Acetate	2.46	43	39300	14.878	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	165085	19.136	ug/l	96
20) Methylene Chloride	2.35	84	102921m	17.761	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	88133	18.240	ug/l	99
22) Diisopropyl ether	2.94	45	272367	18.989	ug/l	99
23) Vinyl Acetate	3.35	43	609117	89.131	ug/l	99
24) 1,1-Dichloroethane	3.02	63	147457	18.793	ug/l	99
25) 2-Butanone	4.53	43	164642	85.651	ug/l	99
26) 2,2-Dichloropropane	3.77	77	80459	20.311	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	109395	17.483	ug/l	98
28) Bromochloromethane	3.91	49	63434	16.877	ug/l #	96
29) Tetrahydrofuran	4.28	42	70792	81.363	ug/l	98
30) Chloroform	4.06	83	181217	18.793	ug/l	94
31) Cyclohexane	3.88	56	162691	17.302	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	118685	16.814	ug/l #	83
36) 1,1-Dichloropropene	4.47	75	145959	21.231	ug/l	99
37) Ethyl Acetate	4.31	43	59662	18.391	ug/l #	99
38) Carbon Tetrachloride	4.19	117	125227	20.579	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	170291	20.688	ug/l	97
40) Benzene	4.83	78	379874	21.066	ug/l	99
41) Methacrylonitrile	4.94	41	38654	20.656	ug/l	95
42) 1,2-Dichloroethane	5.13	62	104086	21.834	ug/l	97
43) Isopropyl Acetate	7.13	43	63884	18.723	ug/l	96
44) Trichloroethene	5.69	130	105879	21.729	ug/l	99
45) 1,2-Dichloropropane	6.42	63	75546	19.019	ug/l	92
46) Dibromomethane	6.27	93	52469	19.854	ug/l	90
47) Bromodichloromethane	6.55	83	124726	20.914	ug/l	99
48) Methyl methacrylate	6.88	41	42964	19.160	ug/l	97
49) 1,4-Dioxane	6.88	88	8520	331.308	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	251299	99.021	ug/l	99
52) Toluene	7.79	92	196216	20.642	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	91177	20.355	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	122043	20.143	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	56091	21.064	ug/l	95
56) Ethyl methacrylate	8.76	69	62944	20.790	ug/l	96
57) 1,3-Dichloropropane	9.00	76	89347	20.779	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	76948	87.541	ug/l	92
59) 2-Hexanone	9.63	43	160373	101.417	ug/l	97
60) Dibromochloromethane	8.86	129	90049	22.739	ug/l	98
61) 1,2-Dibromoethane	9.14	107	63246	21.082	ug/l	95
64) Tetrachloroethene	8.31	164	92580	22.861	ug/l	95
65) Chlorobenzene	9.94	112	200186	20.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	101314	22.617	ug/l	97
67) Ethyl Benzene	10.03	91	373752	21.488	ug/l	99
68) m/p-Xylenes	10.26	106	281601	43.979	ug/l	98
69) o-Xylene	10.82	106	152292	21.422	ug/l	91
70) Styrene	10.89	104	213840	21.315	ug/l	100
71) Bromoform	10.88	173	52713	22.288	ug/l #	95
73) Isopropylbenzene	11.22	105	465242	21.516	ug/l	100
74) N-amyl acetate	11.45	43	103053	18.712	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	72388	19.466	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	45891	17.937	ug/l #	64
77) Bromobenzene	11.58	156	102080	22.037	ug/l	91
78) n-propylbenzene	11.68	91	473175	20.743	ug/l	100
79) 2-Chlorotoluene	11.80	91	288807	20.872	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	386322	21.451	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	23864m	18.289	ug/l	
82) 4-Chlorotoluene	11.98	91	264561	19.784	ug/l	95
83) tert-Butylbenzene	12.20	119	421128	22.612	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	376072	21.579	ug/l	100
85) sec-Butylbenzene	12.37	105	521006	21.548	ug/l	100
86) p-Isopropyltoluene	12.52	119	456366	22.250	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	188777	21.961	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	174401	21.034	ug/l	99
89) n-Butylbenzene	12.90	91	423935	22.252	ug/l	98
90) Hexachloroethane	12.97	117	114849	21.806	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	180374	21.732	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	13757	18.829	ug/l	93

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ClientSampleId :
VF0422SBSD01

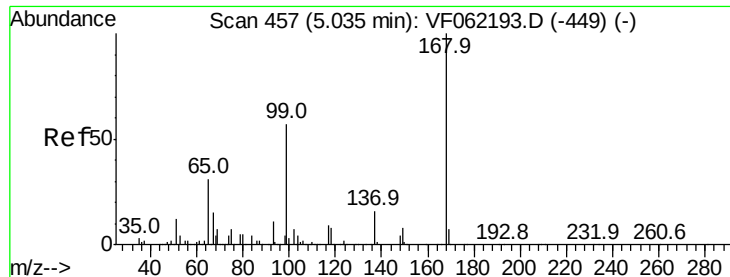
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Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	163508	23.545	ug/l	95
94) Hexachlorobutadiene	14.23	225	113407	23.816	ug/l	99
95) Naphthalene	14.50	128	258430	21.283	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	153274	22.990	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion:168 Resp: 438618

Ion Ratio Lower Upper

168 100

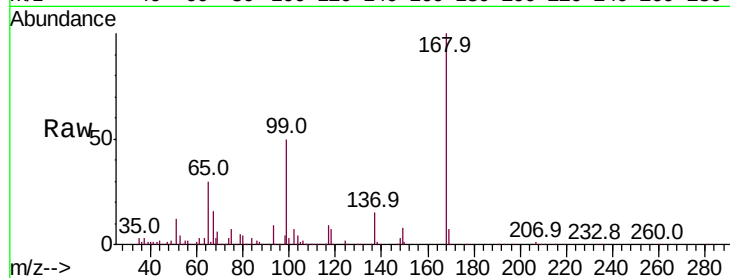
99 49.8 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

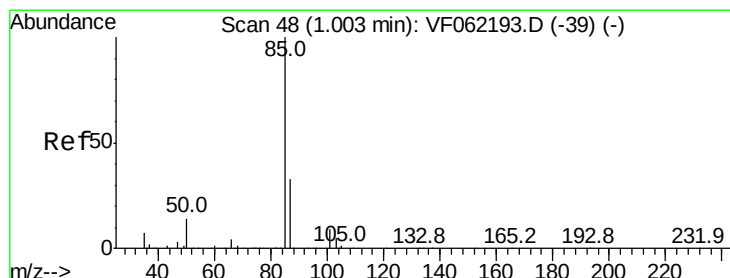
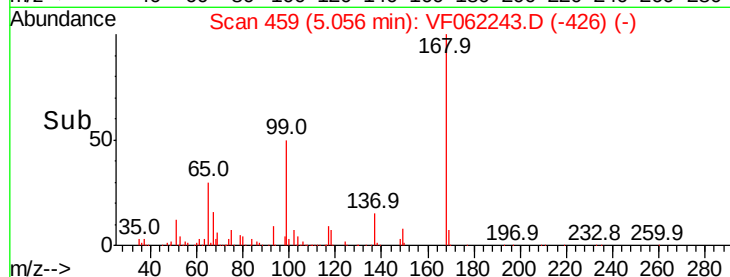
150000

100000

50000

0

Time--> 4.80 5.00 5.20 5.40



#2

Dichlorodifluoromethane

Concen: 20.854 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062243.D

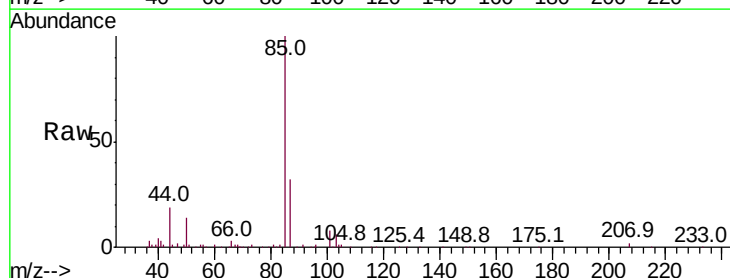
Acq: 22 Apr 2019 14:31

Tgt Ion: 85 Resp: 139005

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

40000

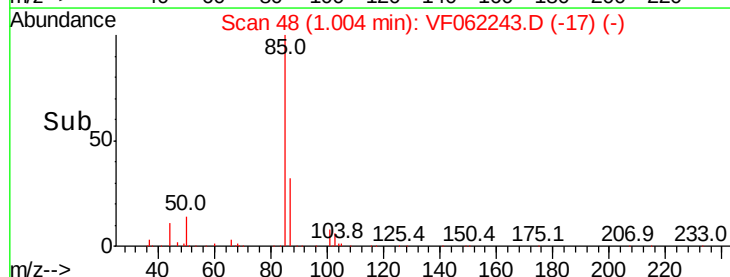
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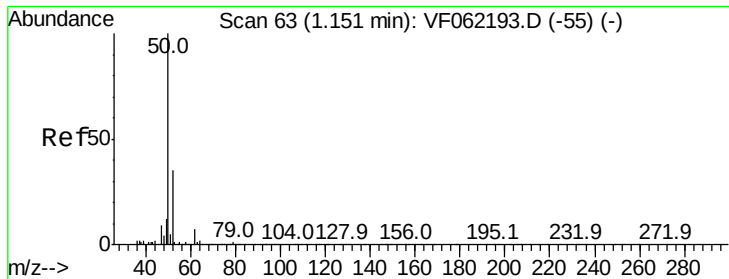
20000

10000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 17.791 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 50 Resp: 122575

Ion Ratio Lower Upper

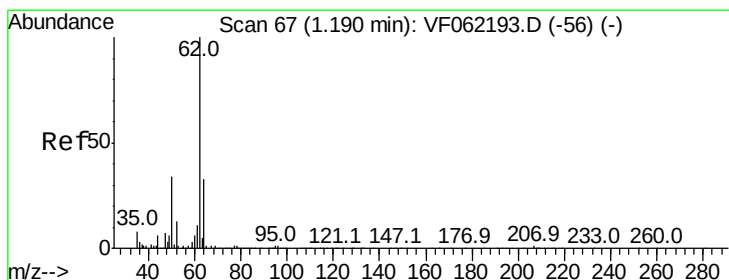
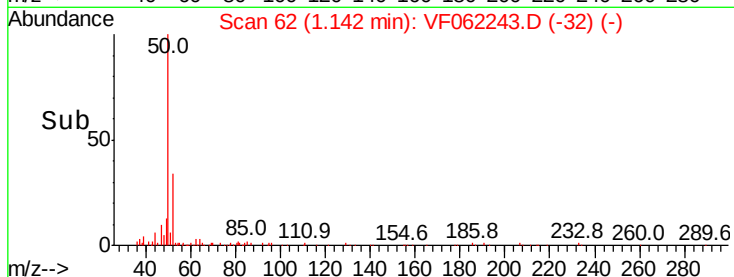
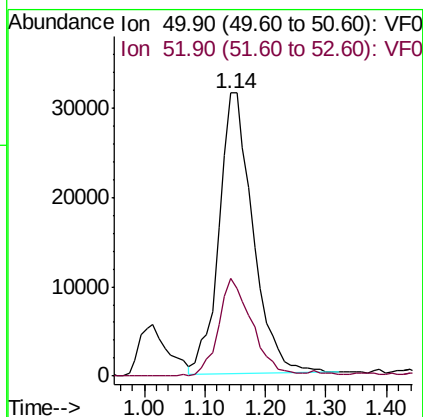
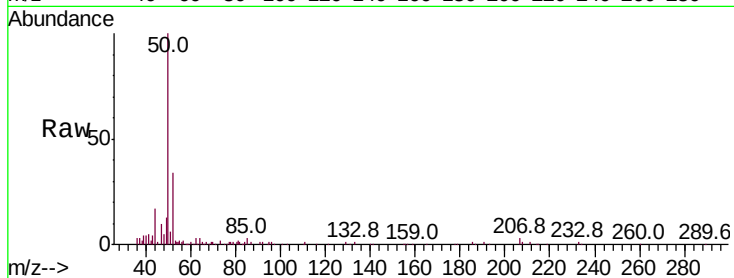
50 100

52 34.5 27.0 40.4

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#4

Vinyl Chloride

Concen: 19.002 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062243.D

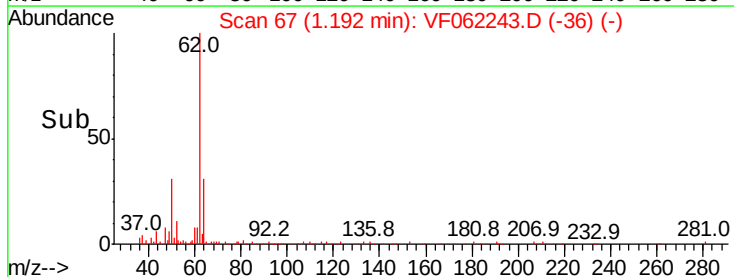
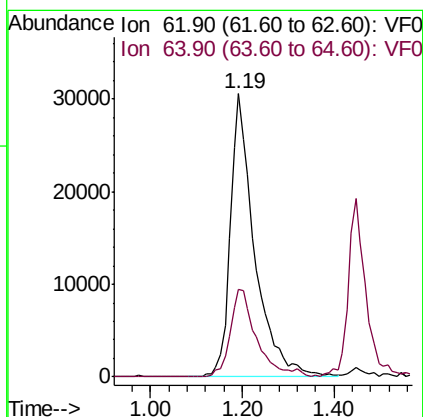
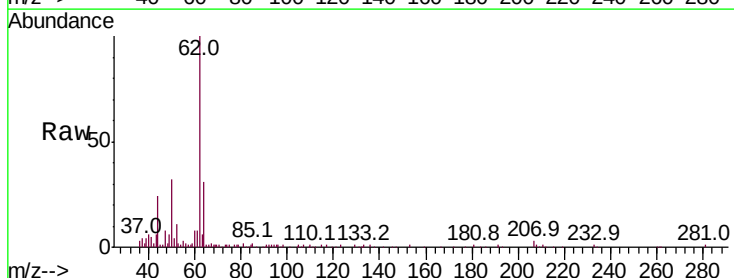
Acq: 22 Apr 2019 14:31

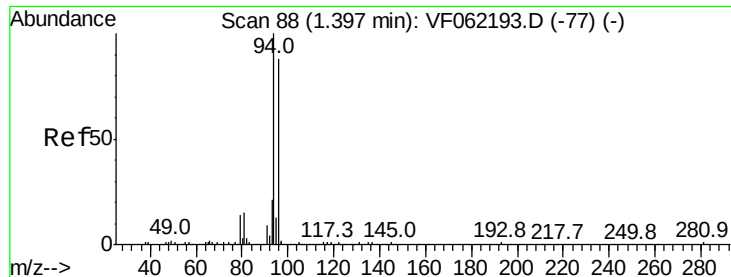
Tgt Ion: 62 Resp: 112473

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.4





#5

Bromomethane

Concen: 19.706 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 94 Resp: 67759

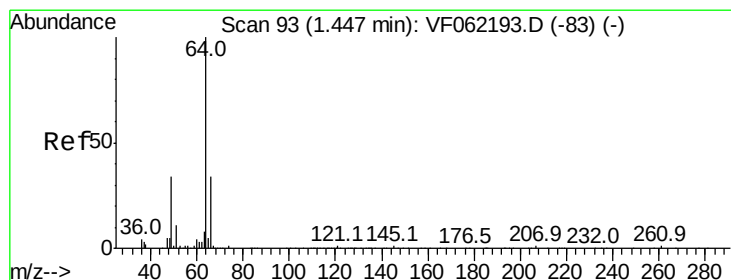
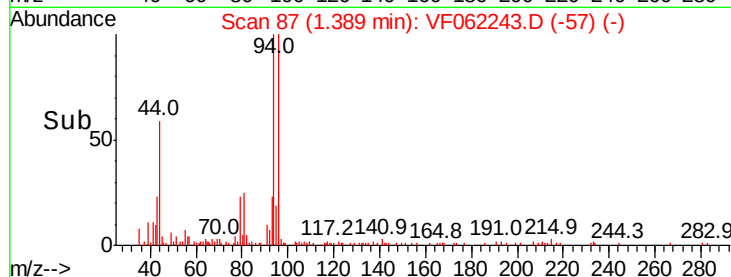
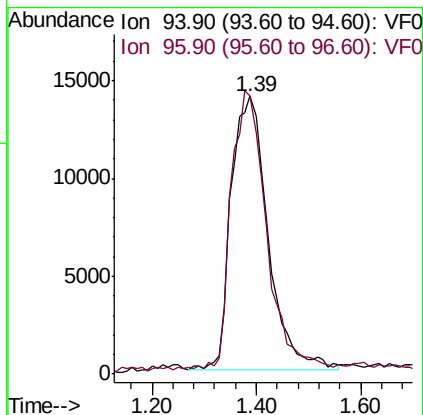
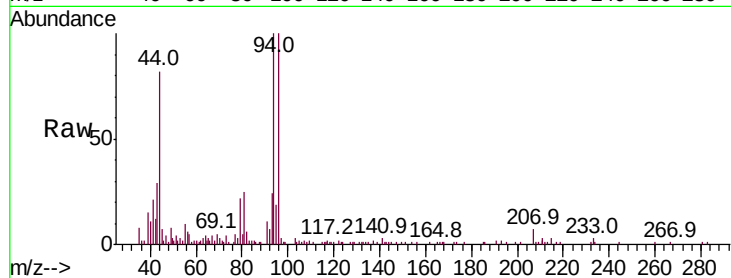
Ion Ratio Lower Upper

94 100

96 98.8 70.2 105.4

Manual Integrations
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#6

Chloroethane

Concen: 20.381 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062243.D

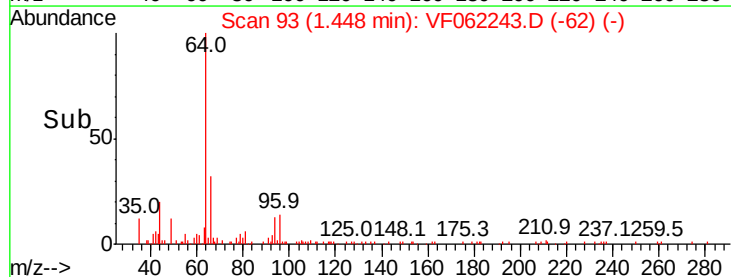
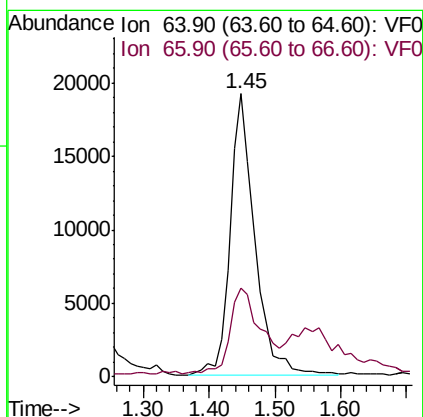
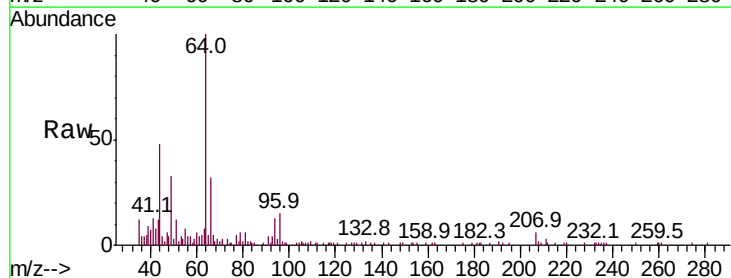
Acq: 22 Apr 2019 14:31

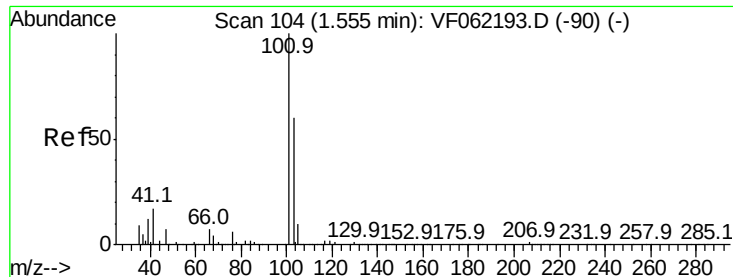
Tgt Ion: 64 Resp: 50433

Ion Ratio Lower Upper

64 100

66 30.2 27.0 40.4





#7

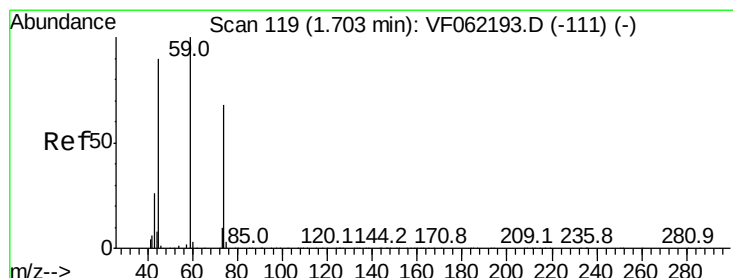
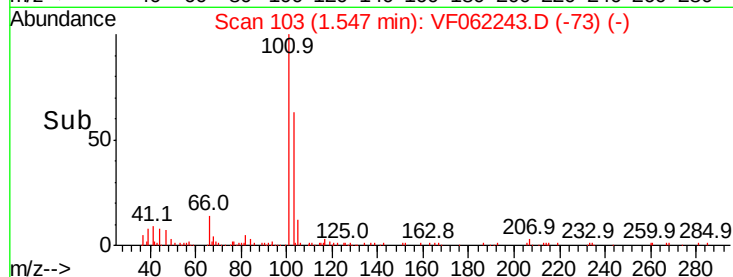
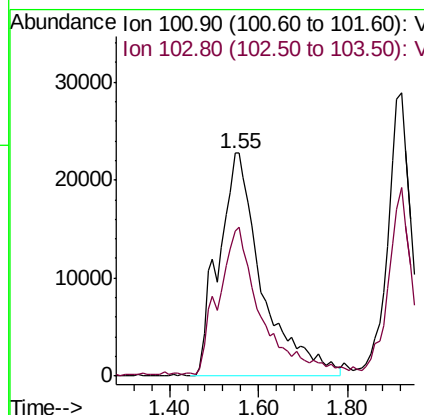
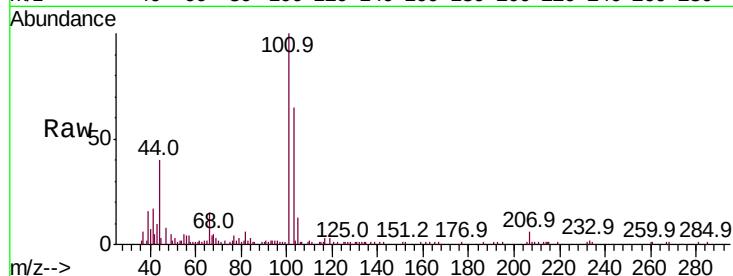
Trichlorofluoromethane
Concen: 20.590 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

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VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	154831		
103	63.7	48.2	72.4	

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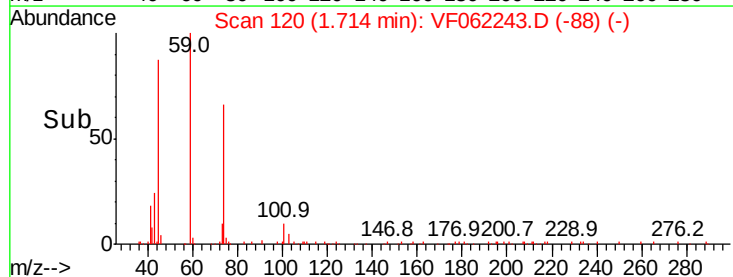
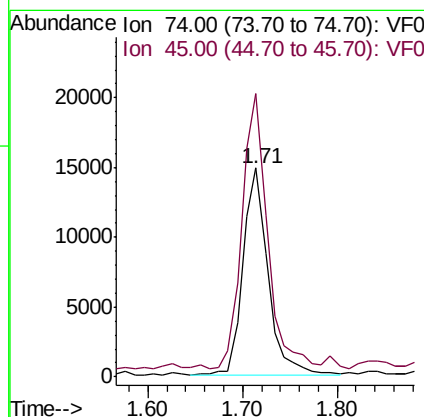
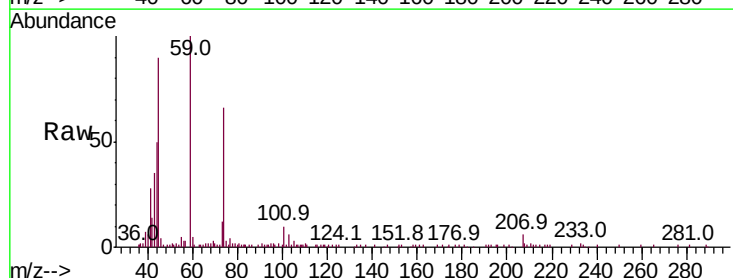
MMDadoda
4/23/2019 9:22:25 AM

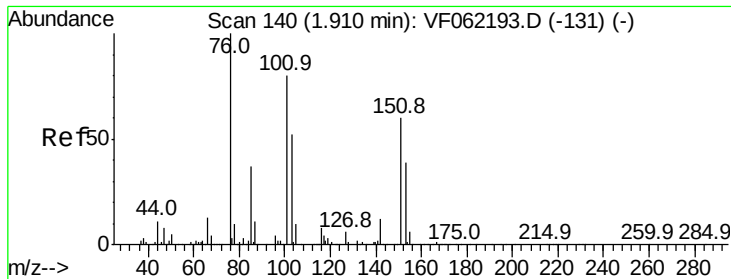


#8

Diethyl Ether
Concen: 17.346 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27148		
45	135.3	70.0	210.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.621 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

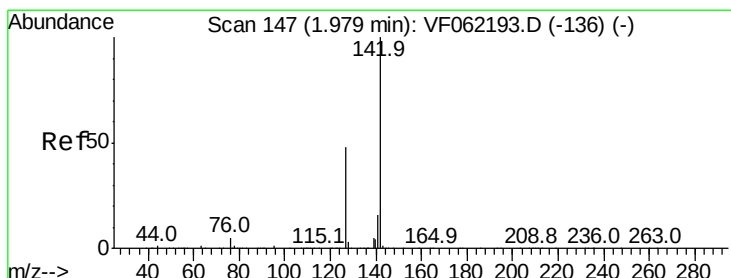
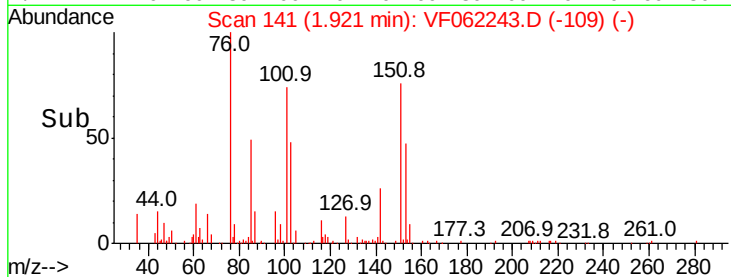
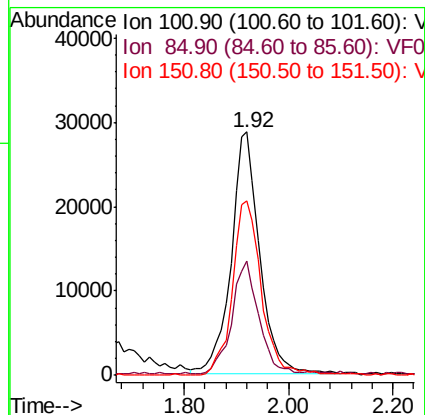
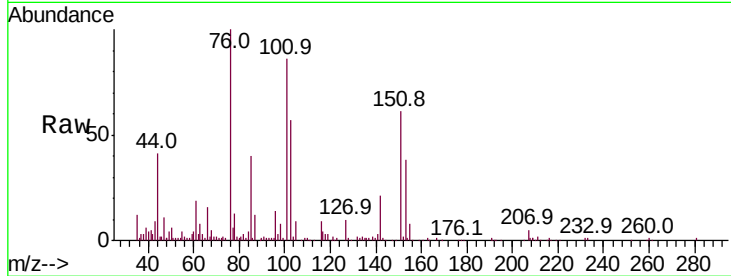
ClientSampleId :

VF0422SBS01

Tot Ion:	101	Resp:	105931
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.3	52.9
151	73.8	57.5	86.3

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#10

Methyl Iodide

Concen: 20.062 ug/l m

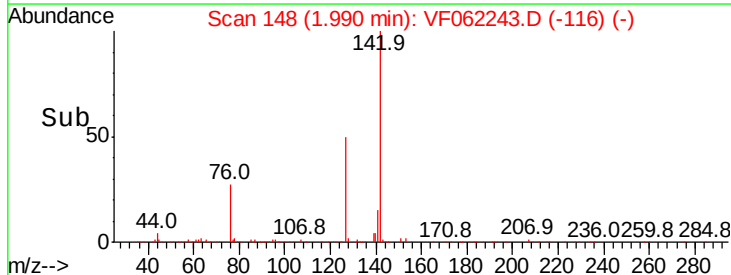
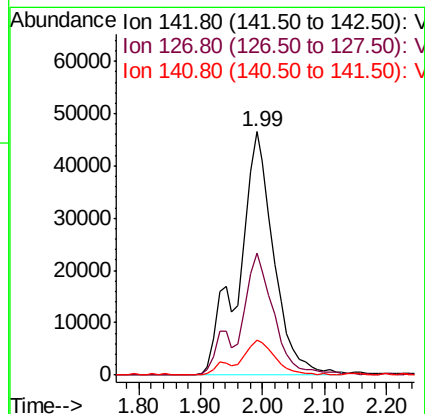
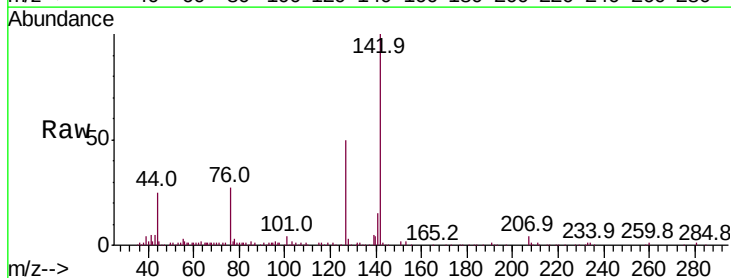
RT: 1.99 min Scan# 148

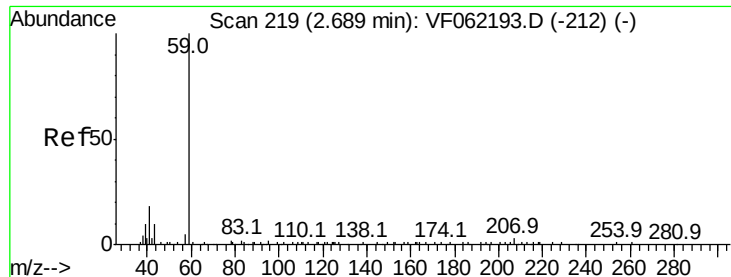
Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion:	142	Resp:	183087
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.0	49.4
141	15.4	12.7	19.1





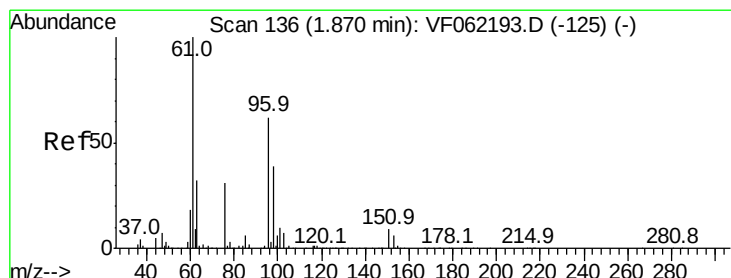
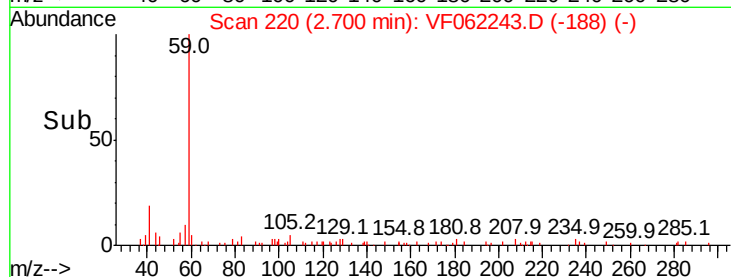
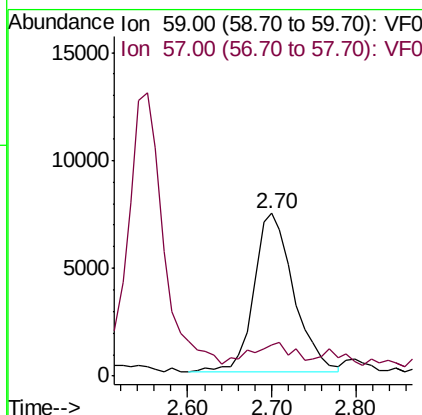
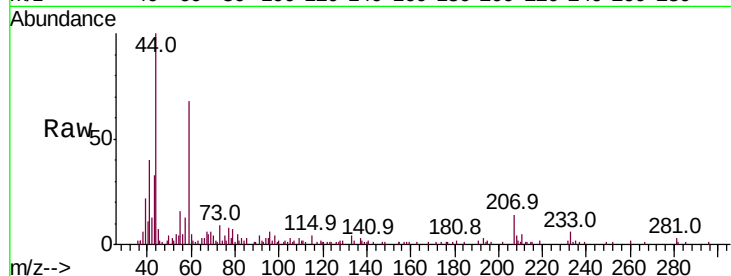
#11
Tert butyl alcohol
Concen: 87.192 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion: 59 Resp: 24376
Ion Ratio Lower Upper
59 100
57 14.8 9.3 13.9#

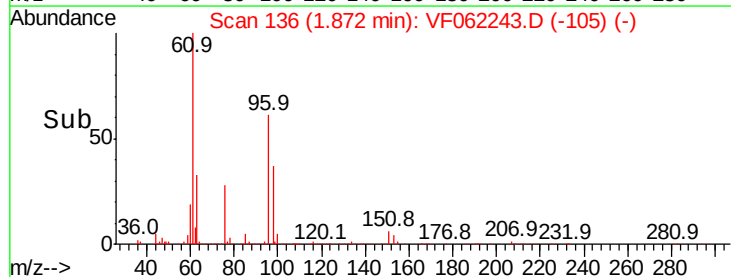
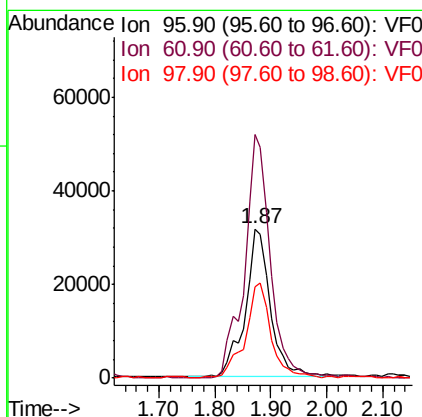
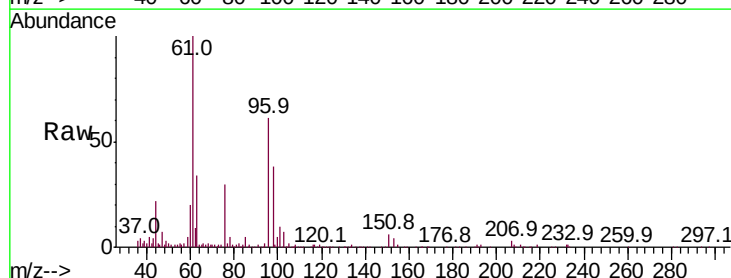
Manual Integrations
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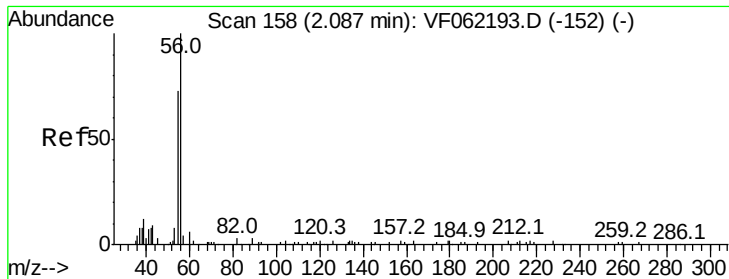
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.385 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion: 96 Resp: 99603
Ion Ratio Lower Upper
96 100
61 164.5 129.1 193.7
98 61.4 50.0 75.0





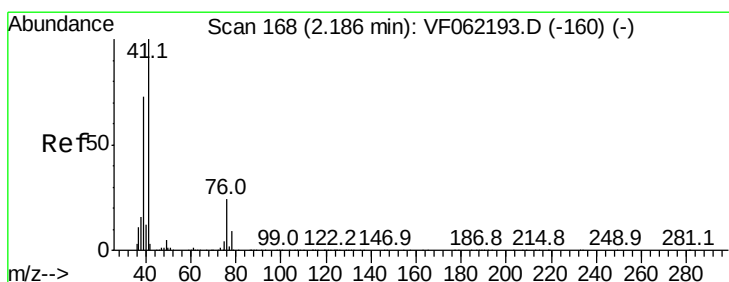
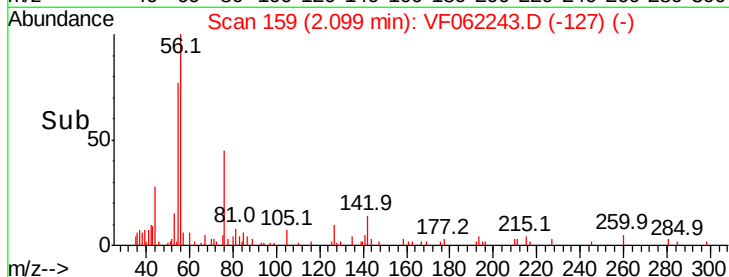
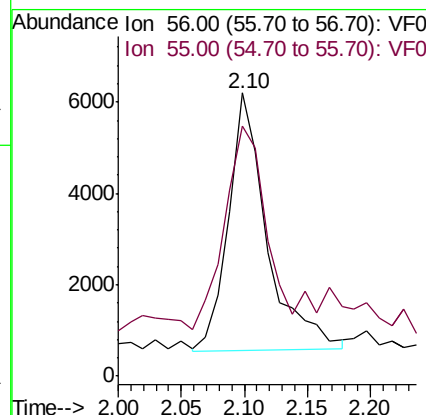
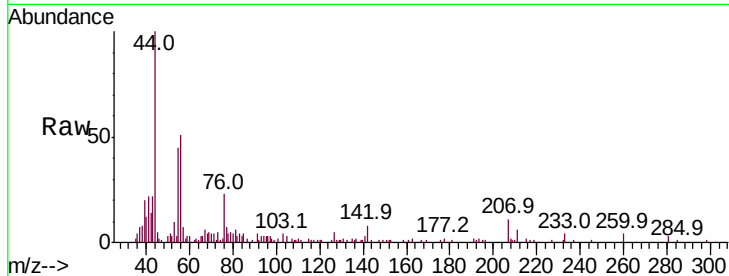
#13
Acrolein
Concen: 69.489 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	56	Resp	11907
Ion Ratio	100	Lower	Upper
55	83.4	57.4	86.0

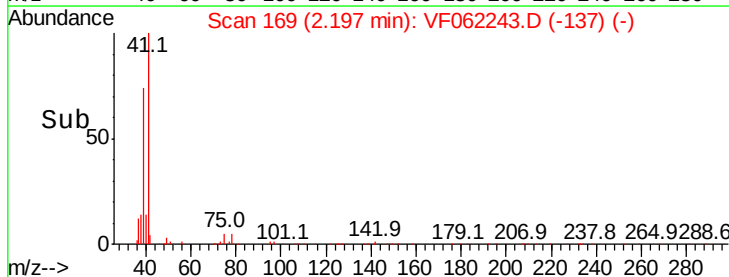
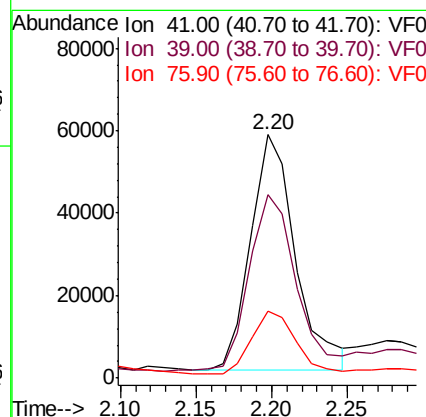
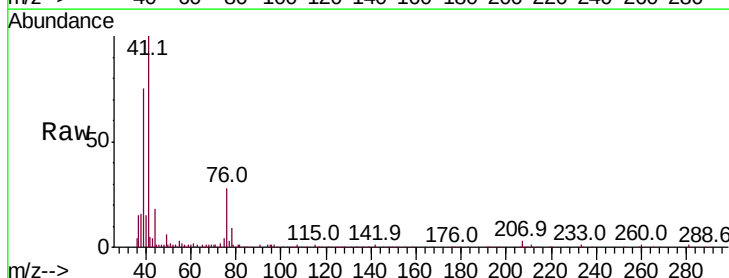
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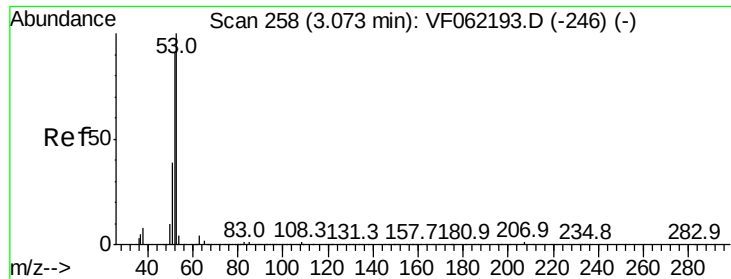
MMDadoda
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#14
Allyl chloride
Concen: 21.187 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	41	Resp	118803
Ion Ratio	100	Lower	Upper
39	79.1	60.0	90.0
76	26.8	20.6	30.8





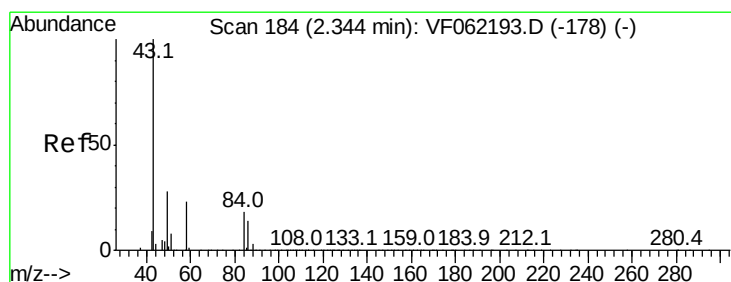
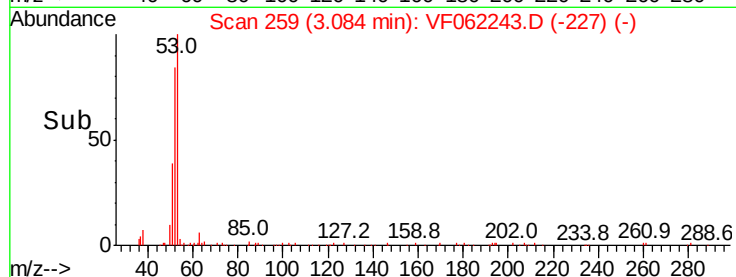
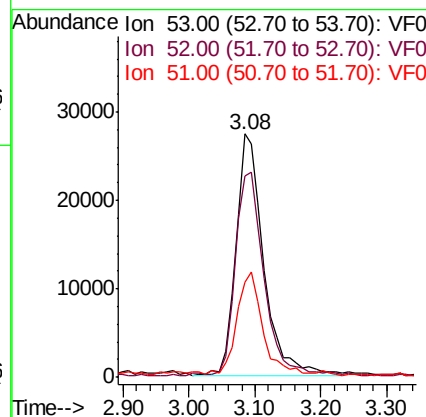
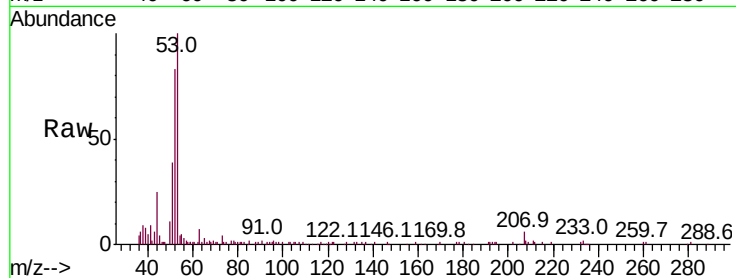
#15
 Acrylonitrile
 Concen: 93.975 ug/l
 RT: 3.08 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	87.8	69.5	104.3
51	39.9	31.8	47.8

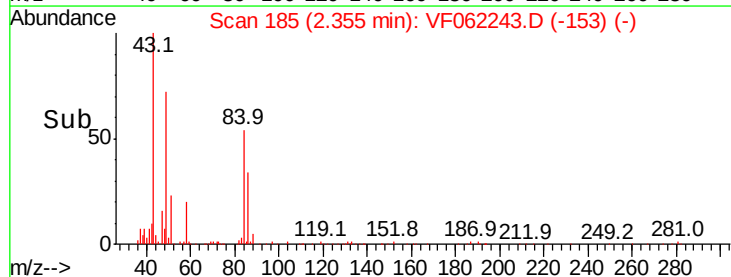
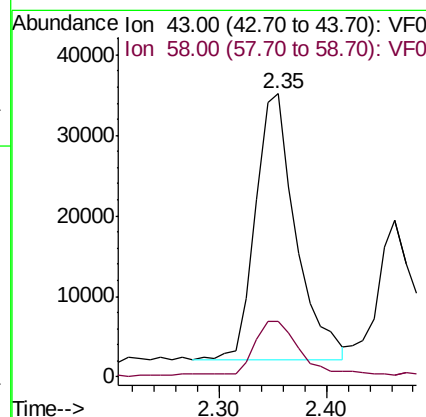
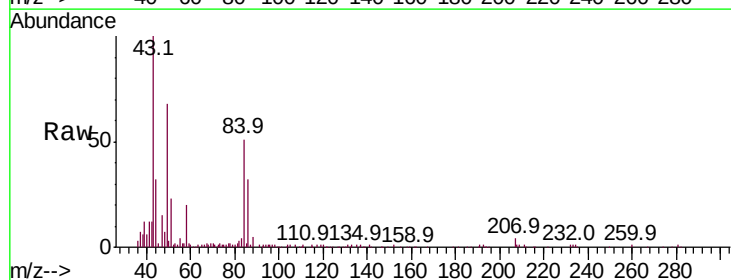
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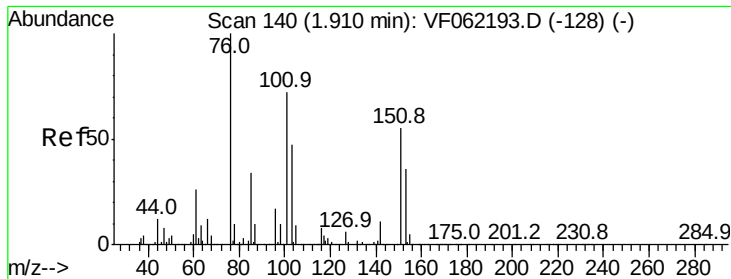
MMDadoda
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#16
 Acetone
 Concen: 89.348 ug/l
 RT: 2.35 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	20.0	18.8	28.2





#17

Carbon Disulfide

Concen: 18.809 ug/l m

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 76 Resp: 255370

Ion Ratio Lower Upper

76 100

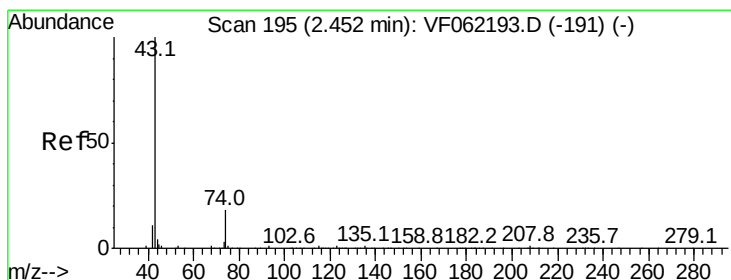
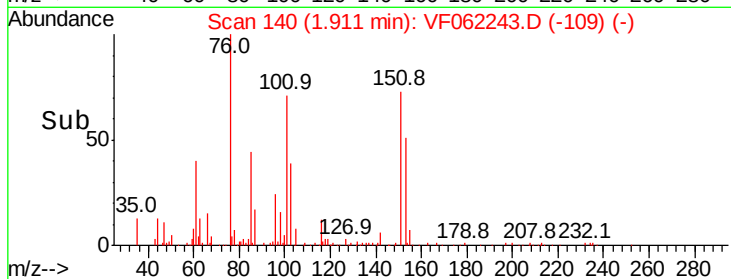
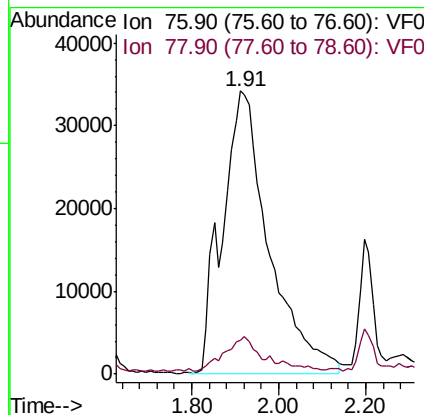
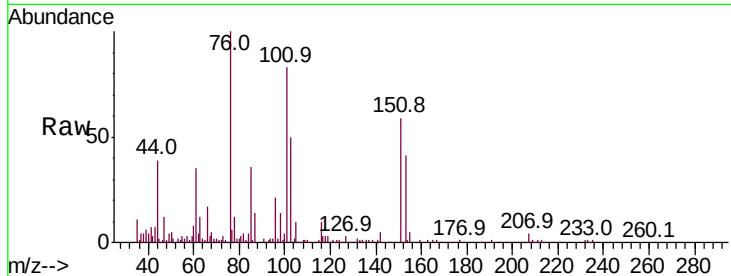
78 12.0 8.7 13.1

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#18

Methyl Acetate

Concen: 14.878 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062243.D

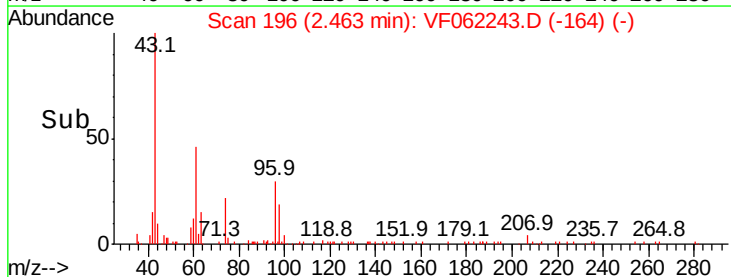
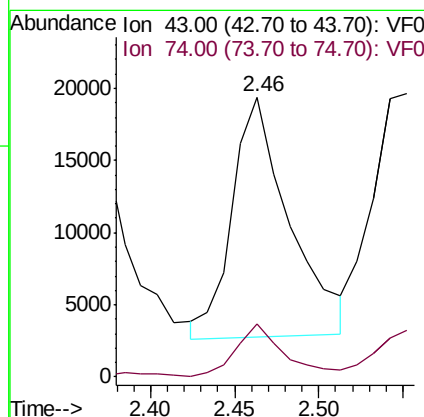
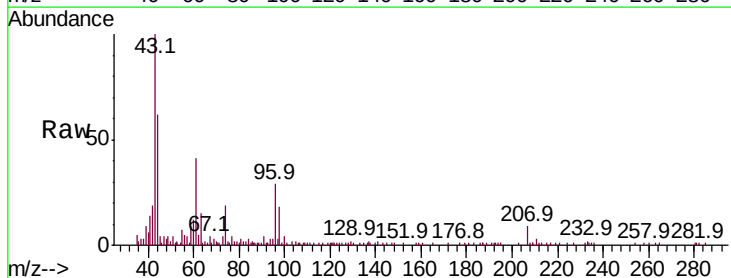
Acq: 22 Apr 2019 14:31

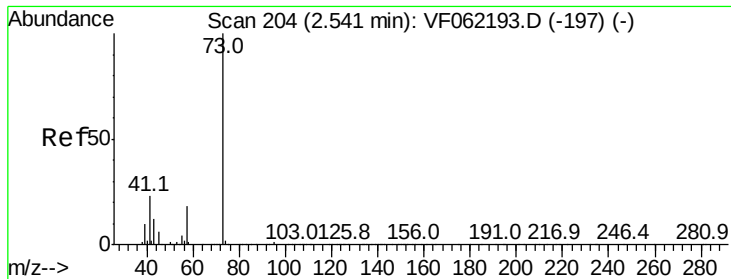
Tgt Ion: 43 Resp: 39300

Ion Ratio Lower Upper

43 100

74 19.0 14.5 21.7





#19

Methyl tert-butyl Ether

Concen: 19.136 ug/l

RT: 2.55 min Scan# 205

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

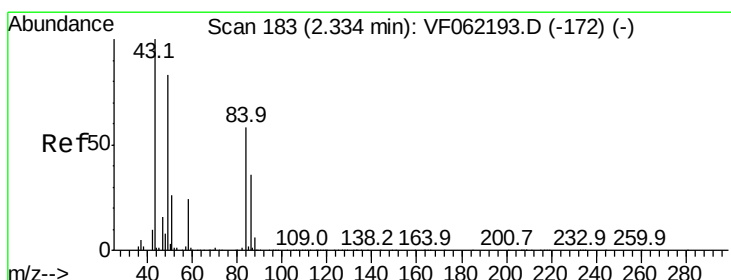
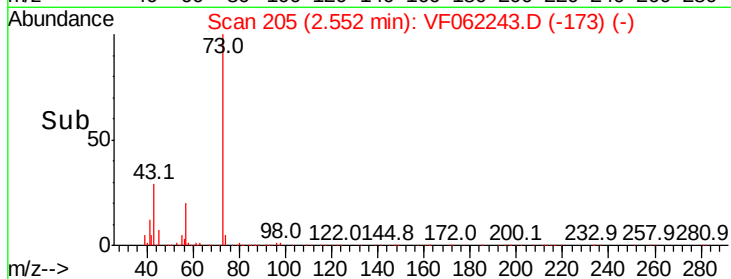
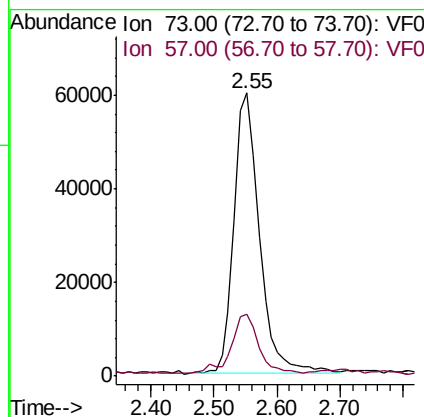
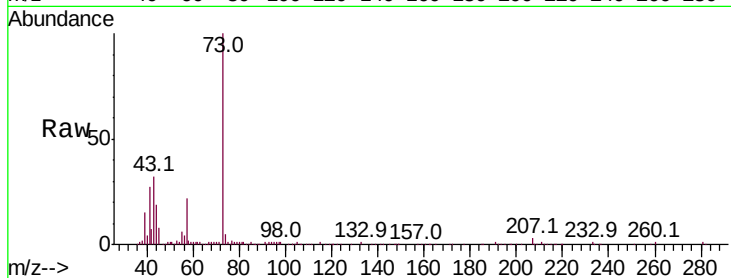
Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion: 73 Resp: 165085

Ion	Ratio	Lower	Upper
73	100		
57	20.8	15.1	22.7

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#20

Methylene Chloride

Concen: 17.761 ug/l m

RT: 2.35 min Scan# 184

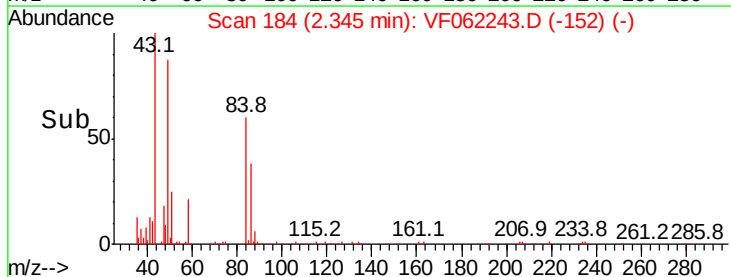
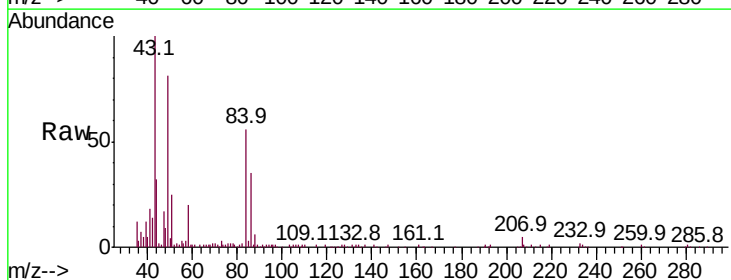
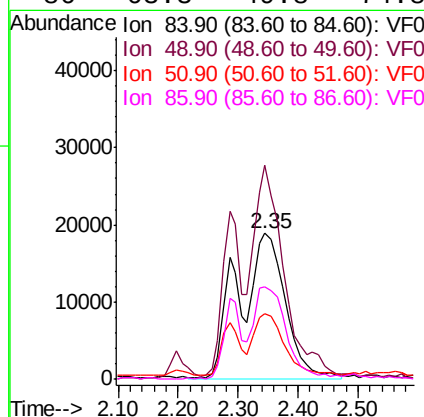
Delta R.T. 0.01 min

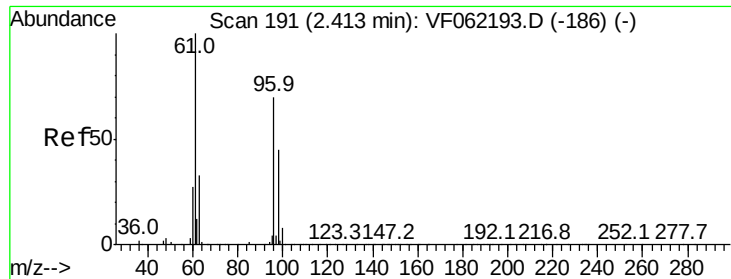
Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion: 84 Resp: 102921

Ion	Ratio	Lower	Upper
84	100		
49	146.4	114.0	171.0
51	44.6	37.0	55.4
86	63.3	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.240 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 96 Resp: 88133

Ion Ratio Lower Upper

96 100

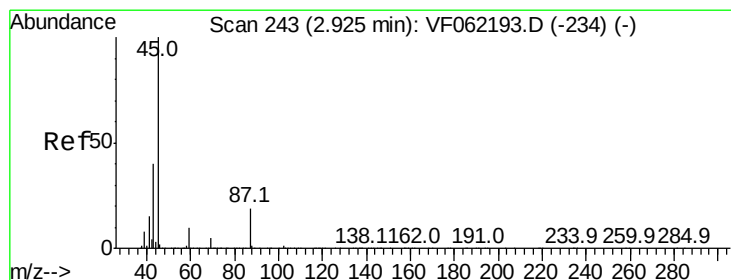
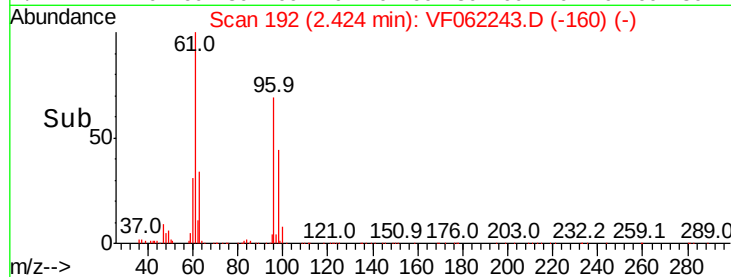
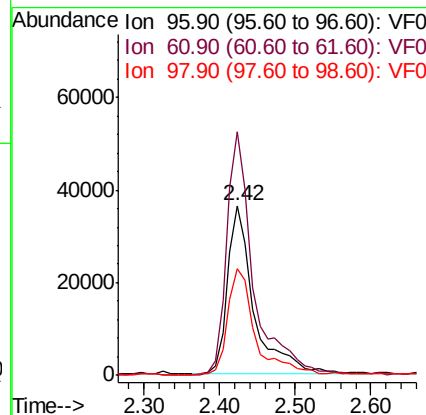
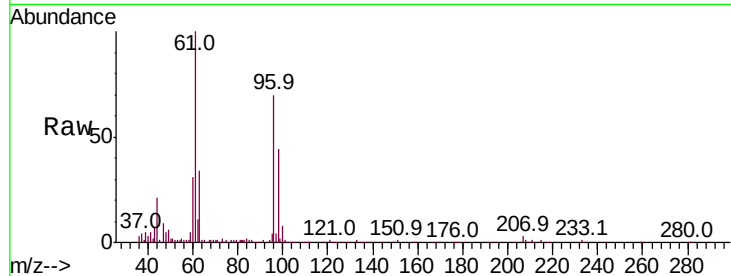
61 144.6 114.6 172.0

98 63.4 51.2 76.8

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#22

Diisopropyl ether

Concen: 18.989 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion: 45 Resp: 272367

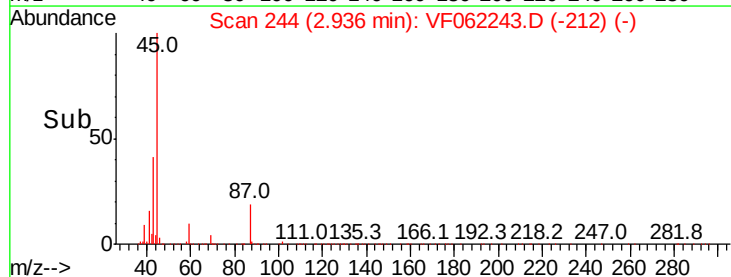
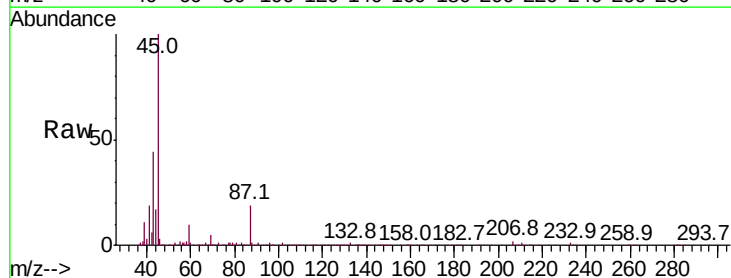
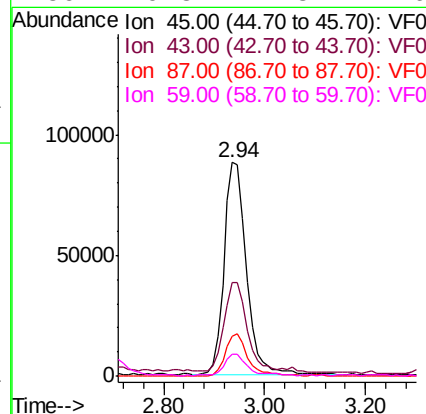
Ion Ratio Lower Upper

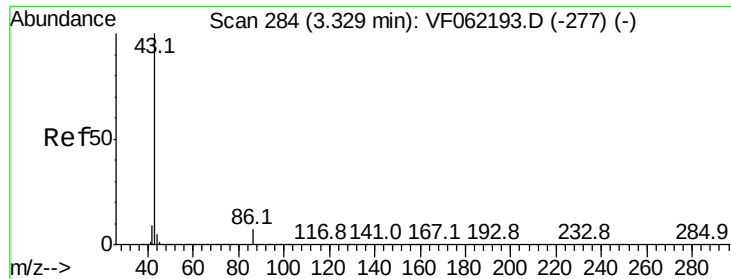
45 100

43 42.2 32.8 49.2

87 18.7 15.2 22.8

59 9.8 7.8 11.6





#23

Vinyl Acetate

Concen: 89.131 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 43 Resp: 609117

Ion Ratio Lower Upper

43 100

86 7.1

5.9

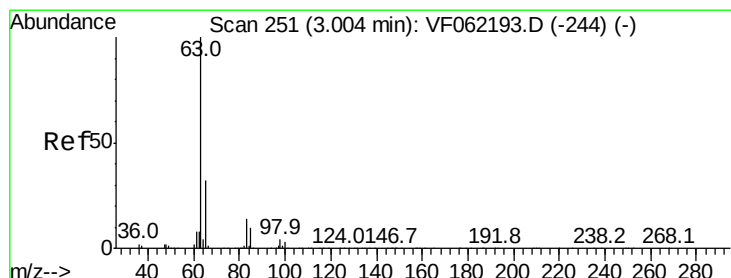
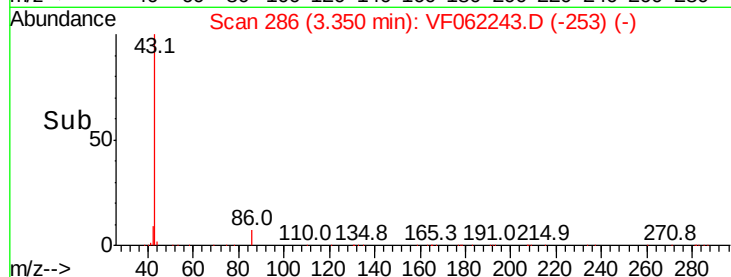
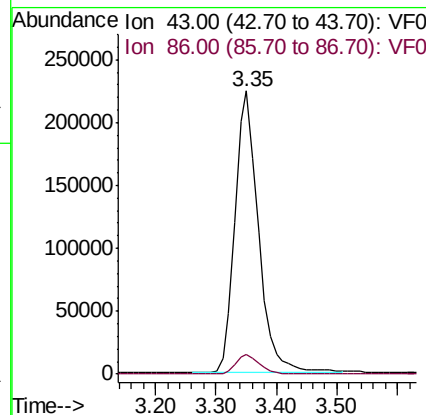
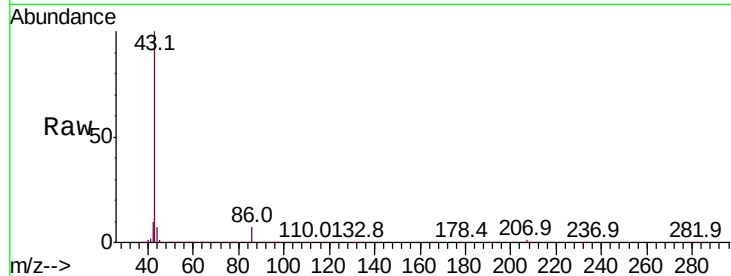
8.9

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#24

1,1-Dichloroethane

Concen: 18.793 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion: 63 Resp: 147457

Ion Ratio Lower Upper

63 100

98 4.8

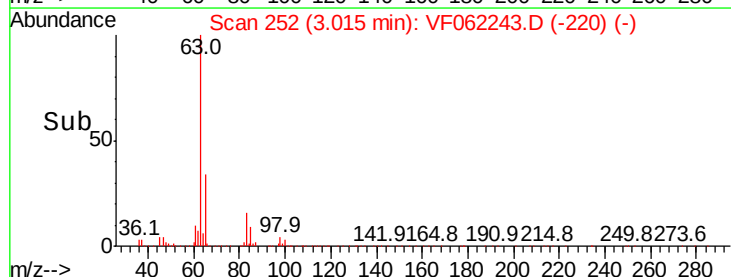
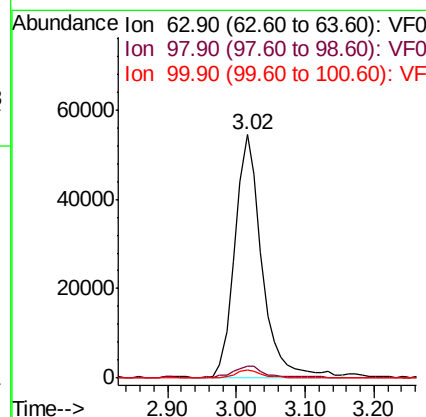
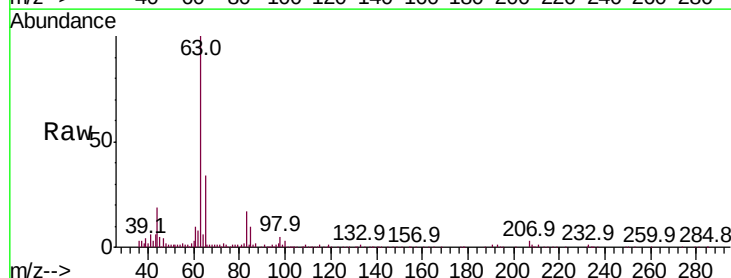
2.3

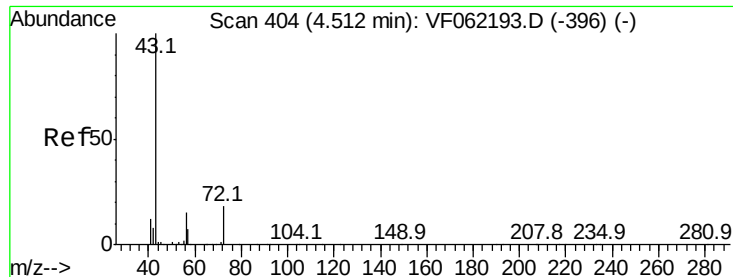
6.8

100 3.1

1.7

5.0





#25

2-Butanone

Concen: 85.651 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 43 Resp: 164642

Ion Ratio Lower Upper

43 100

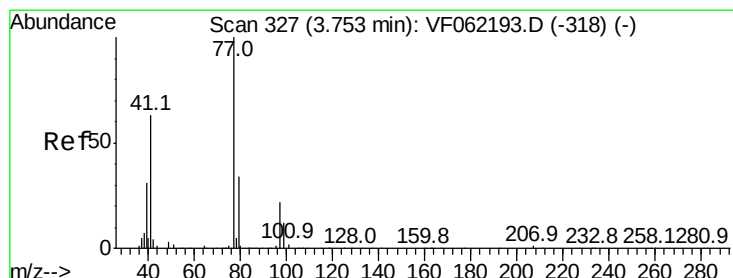
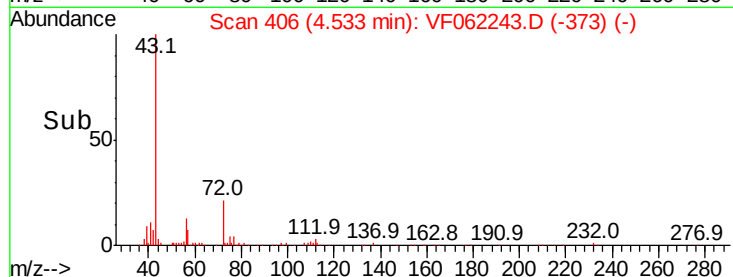
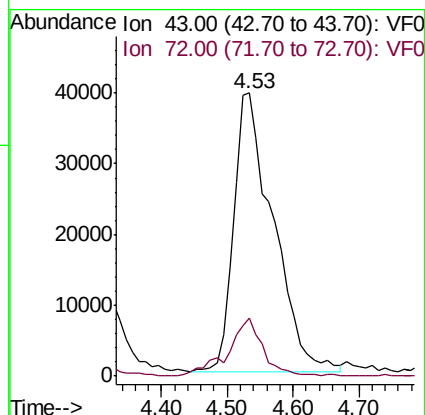
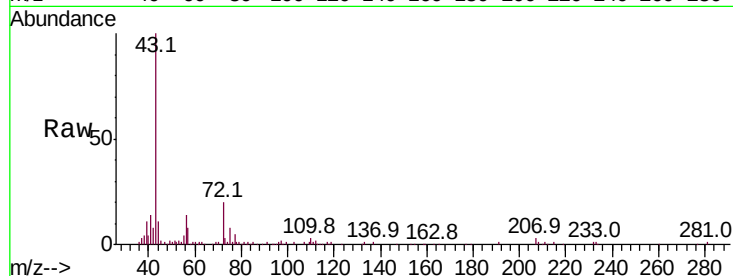
72 20.5 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 20.311 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.02 min

Lab File: VF062243.D

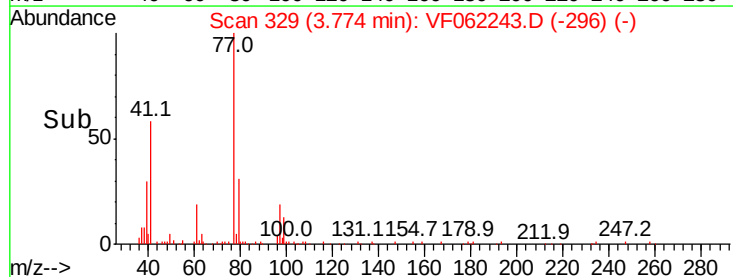
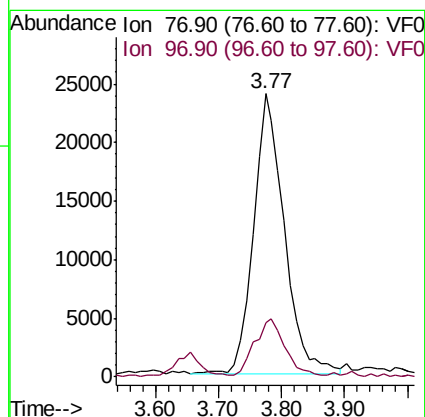
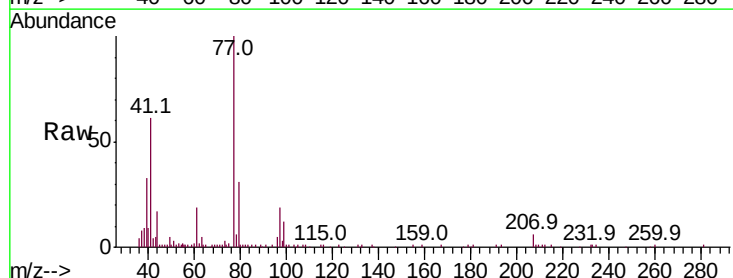
Acq: 22 Apr 2019 14:31

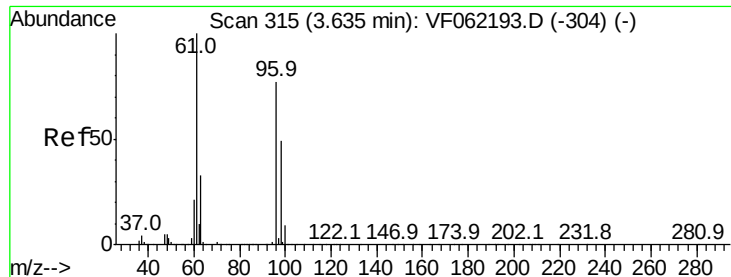
Tgt Ion: 77 Resp: 80459

Ion Ratio Lower Upper

77 100

97 21.0 11.1 33.3





#27

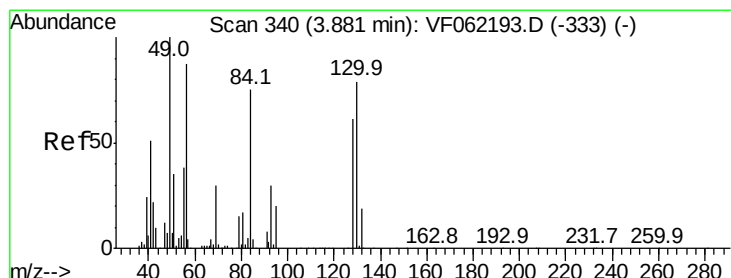
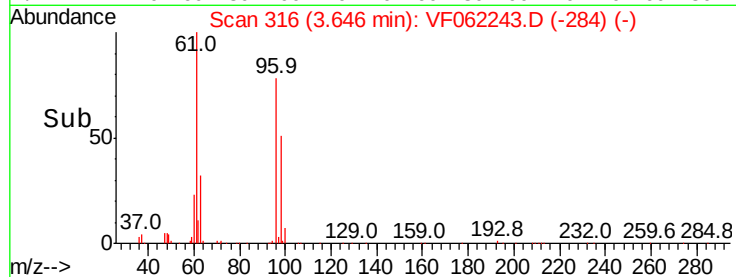
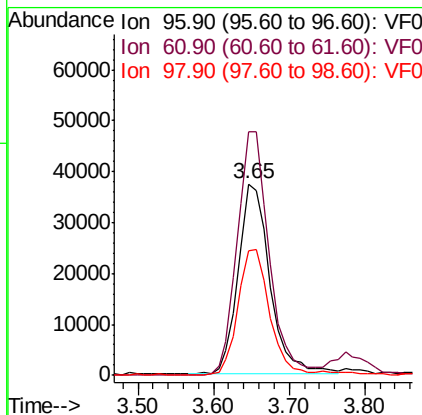
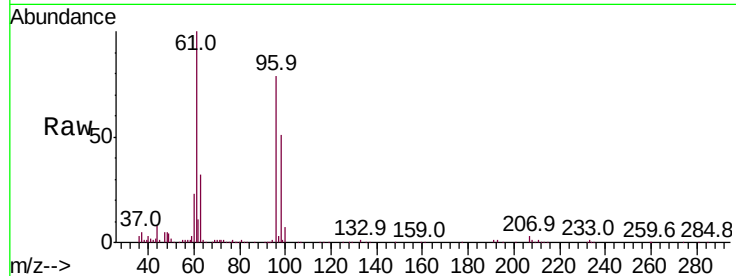
cis-1,2-Dichloroethene
Concen: 17.483 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	109395		
61	127.3	0.0	253.6	
98	65.2	0.0	124.8	

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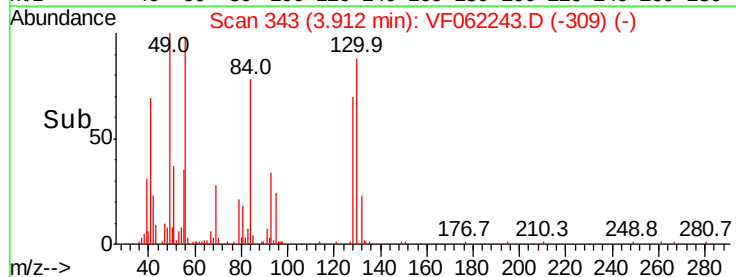
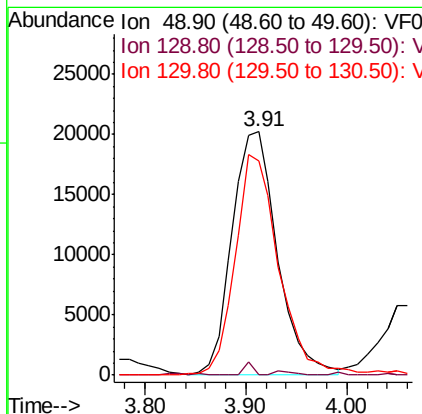
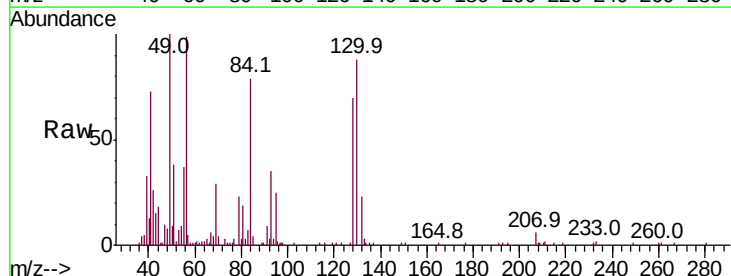
MMDadoda
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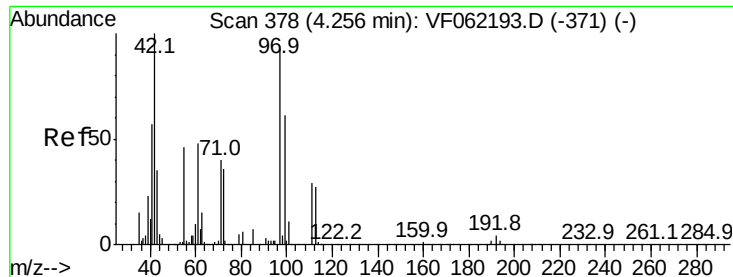


#28

Bromochloromethane
Concen: 16.877 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.03 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	63434		
129	1.0	0.0	0.0#	
130	87.3	66.6	100.0	





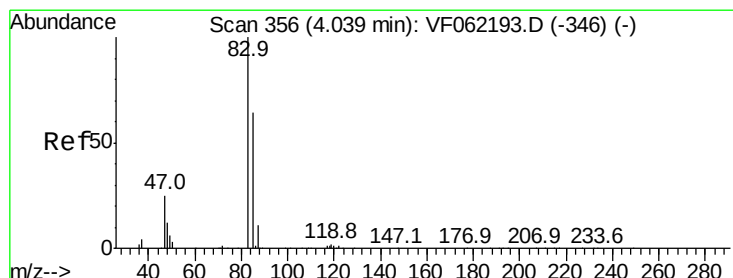
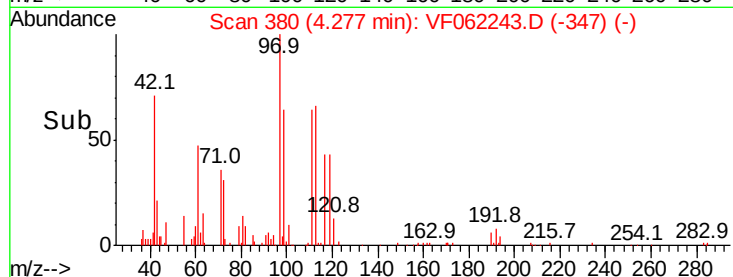
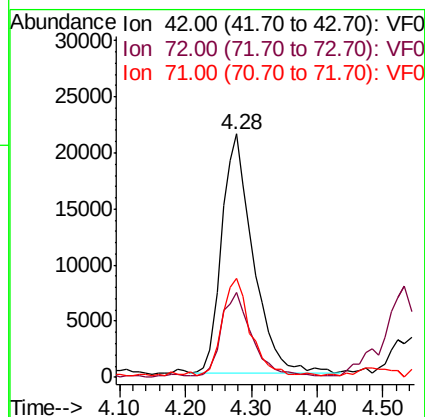
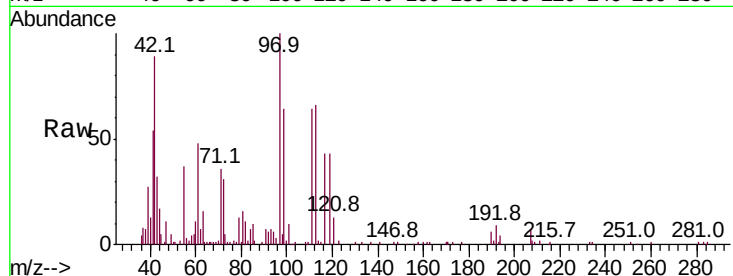
#29
Tetrahydrofuran
Concen: 81.363 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	28.6	43.0
71	35.7	29.2	43.8

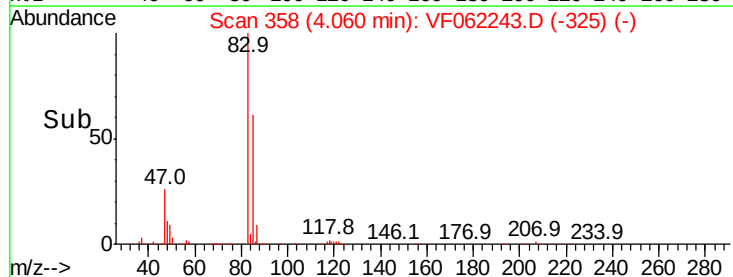
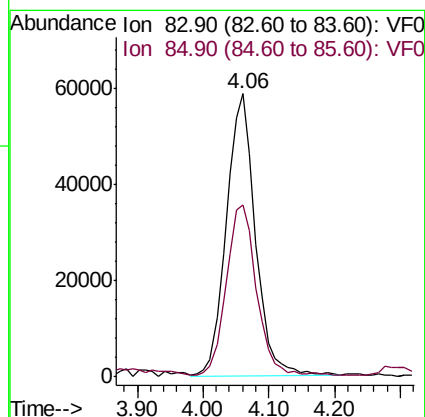
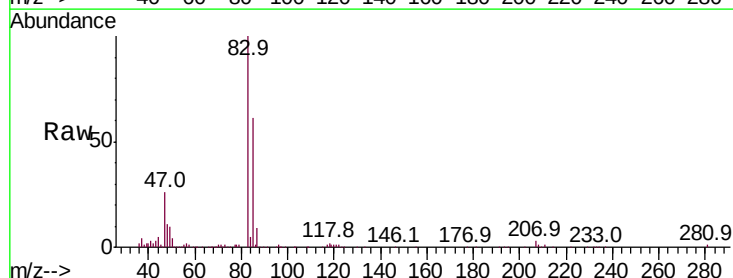
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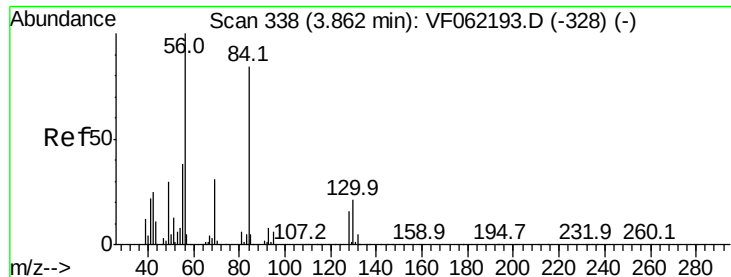
MMDadoda
4/23/2019 9:22:25 AM



#30
Chloroform
Concen: 18.793 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.8	77.8





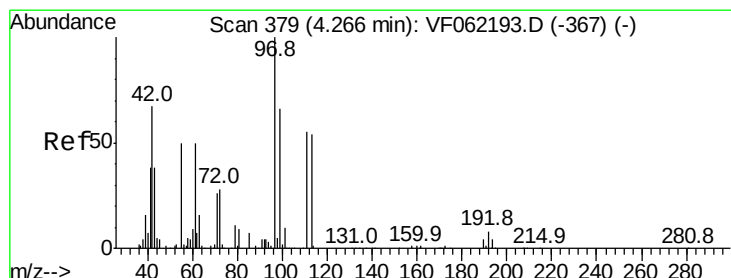
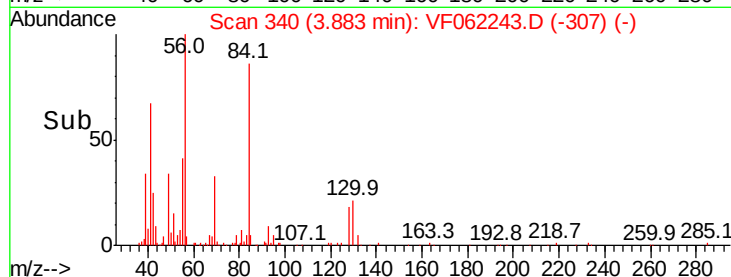
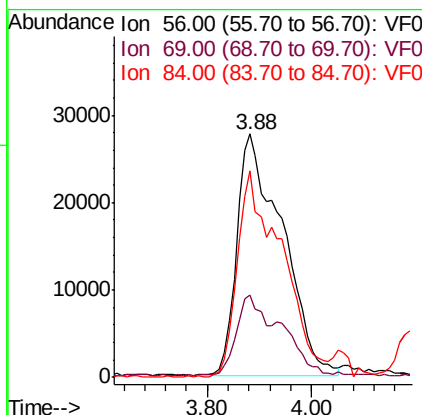
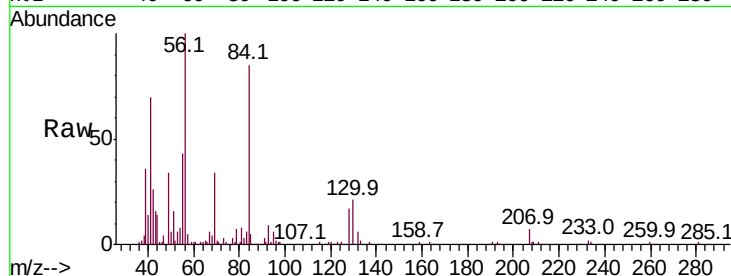
#31
Cyclohexane
Concen: 17.302 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.1	37.7
84	85.2	67.8	101.6

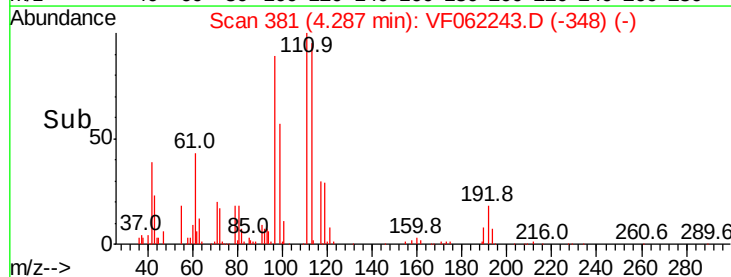
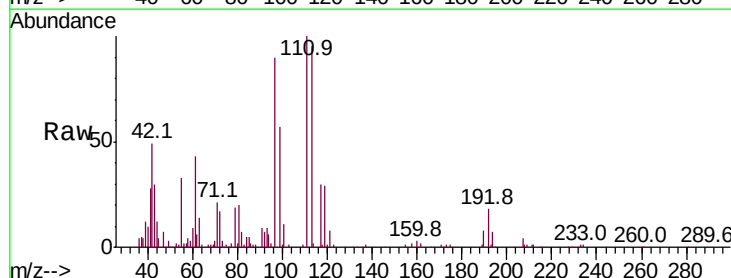
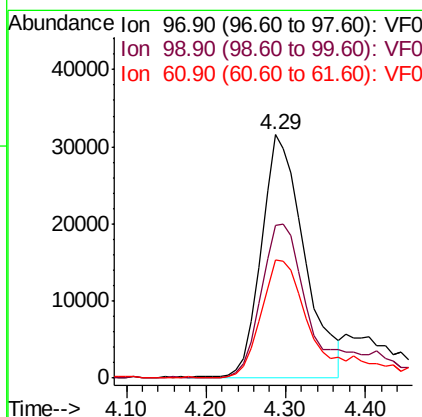
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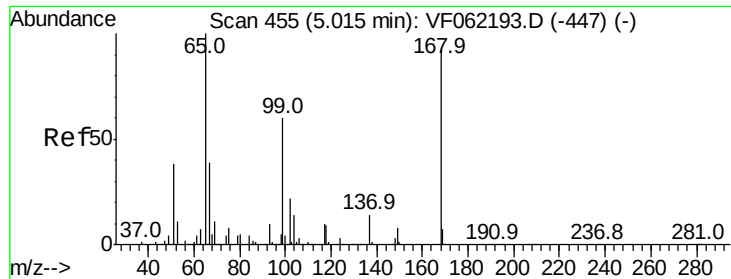
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 16.814 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	79.3	52.7	79.1#
61	52.1	53.0	79.4#





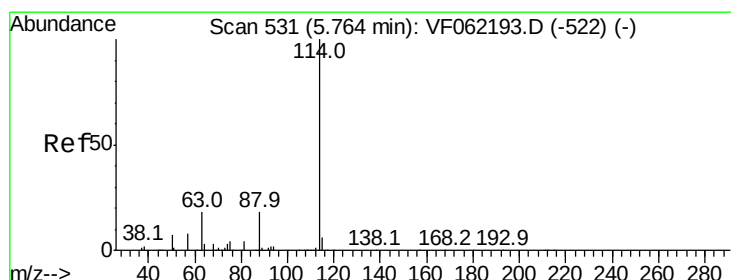
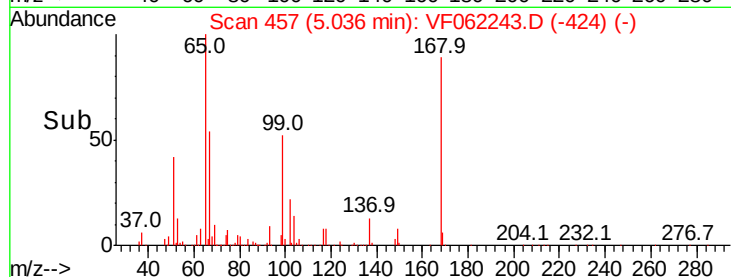
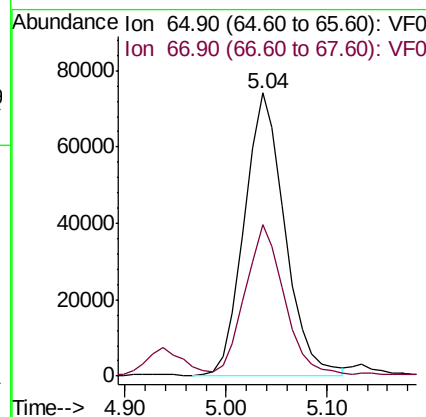
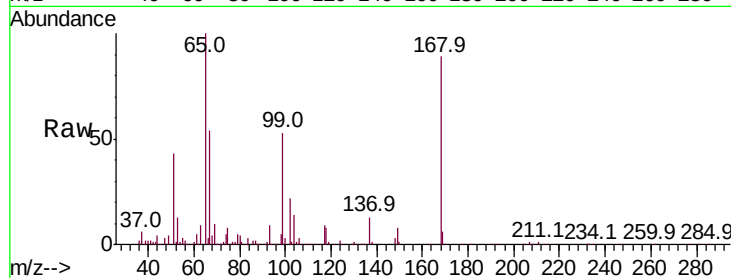
#33
 1,2-Dichloroethane-d4
 Concen: 51.219 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	205995		
67	53.5	0.0	109.4	

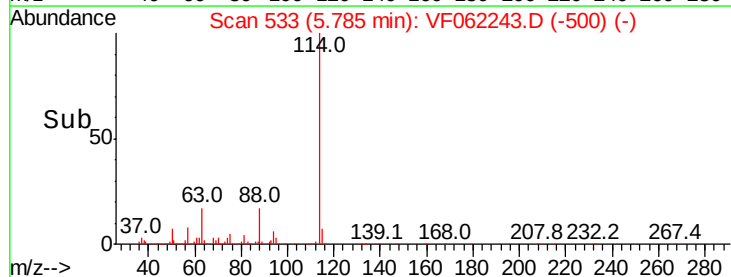
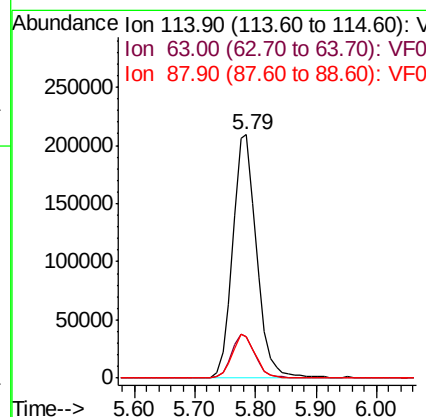
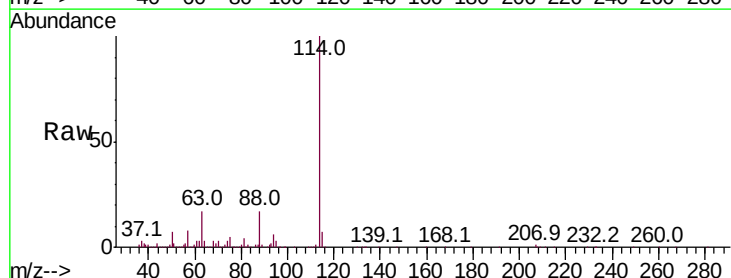
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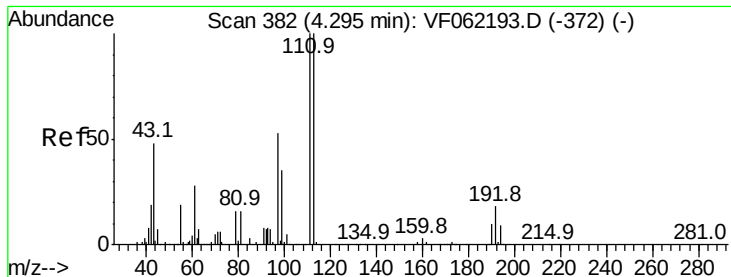
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	573416		
63	17.0	0.0	36.6	
88	16.9	0.0	35.8	





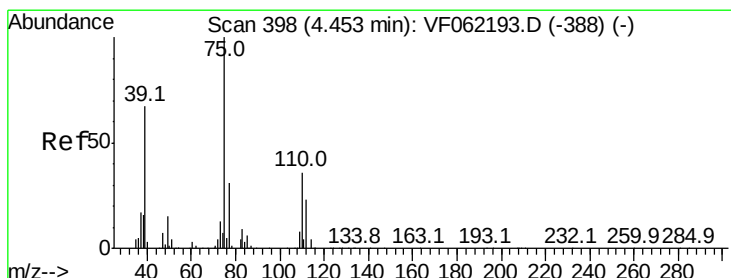
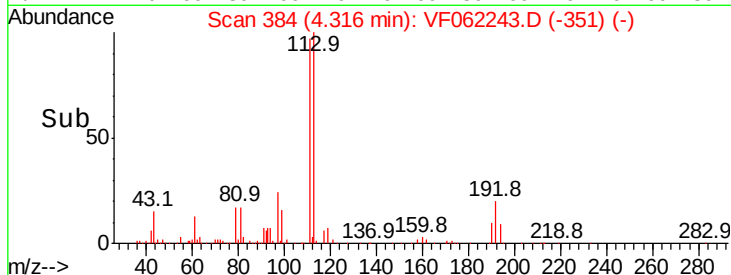
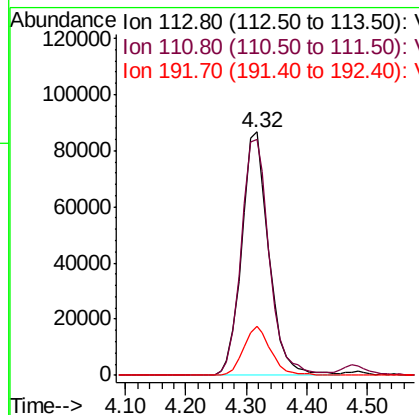
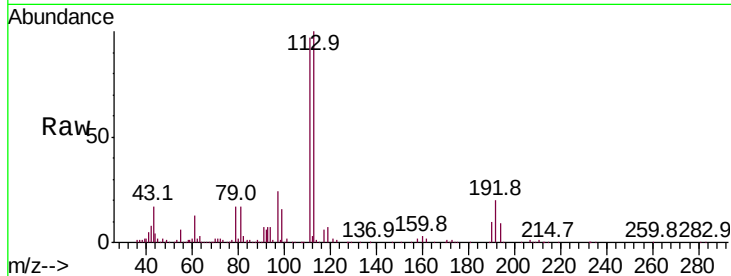
#35
 Dibromofluoromethane
 Concen: 53.788 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	269793		
111	100.9		81.1	121.7
192	20.5		14.7	22.1

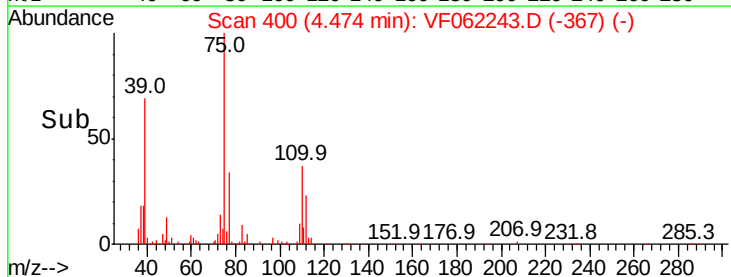
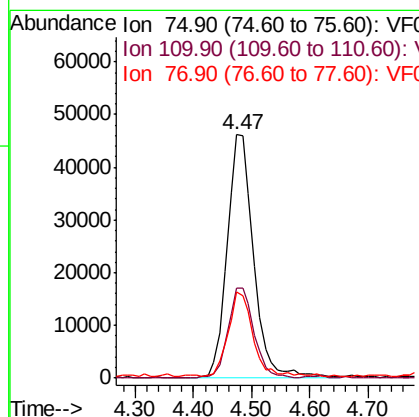
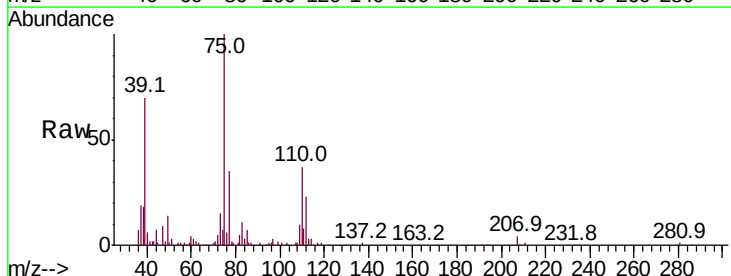
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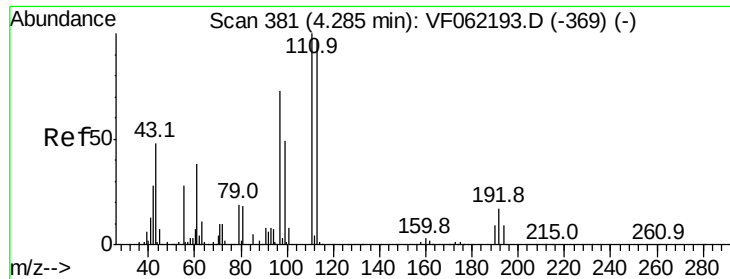
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#36
 1,1-Dichloropropene
 Concen: 21.231 ug/l
 RT: 4.47 min Scan# 400
 Delta R.T. 0.02 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145959		
110	36.3		18.4	55.2
77	31.0		25.4	38.2





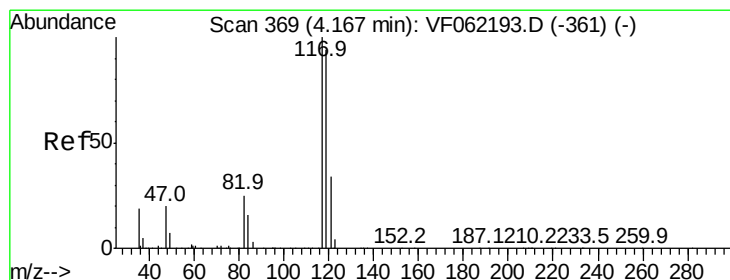
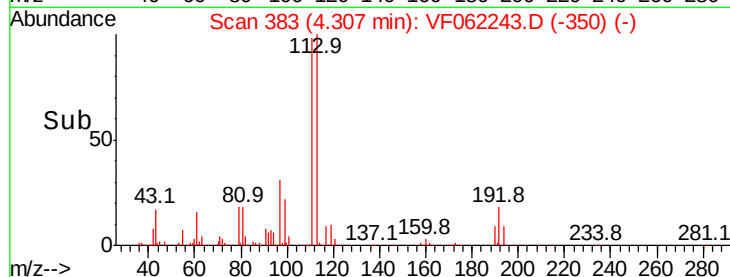
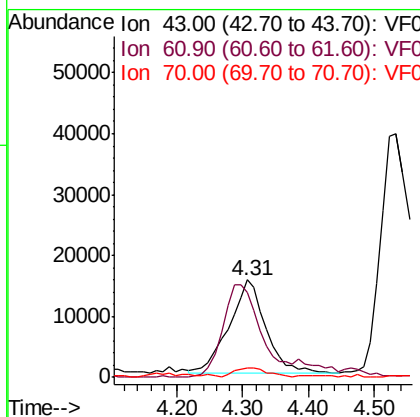
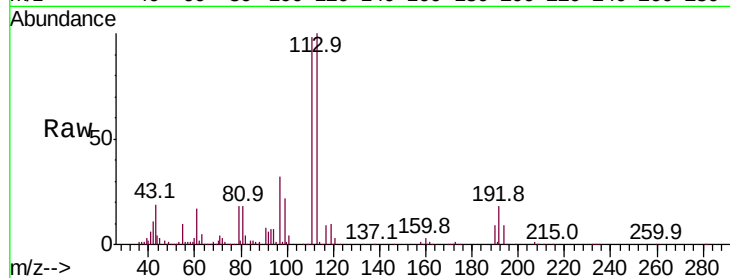
#37
Ethyl Acetate
Concen: 18.391 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	103.7	0.0	0.0#
70	9.4	7.8	11.6

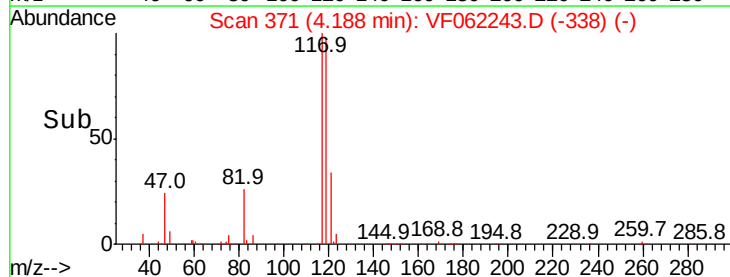
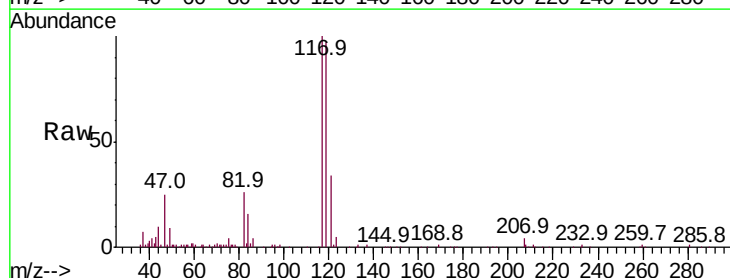
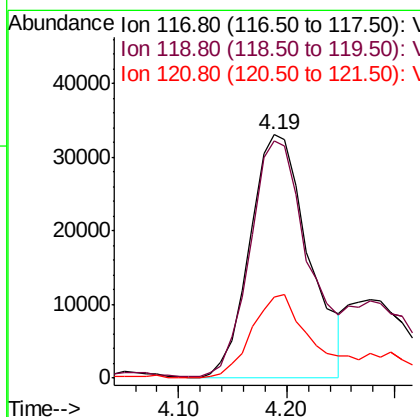
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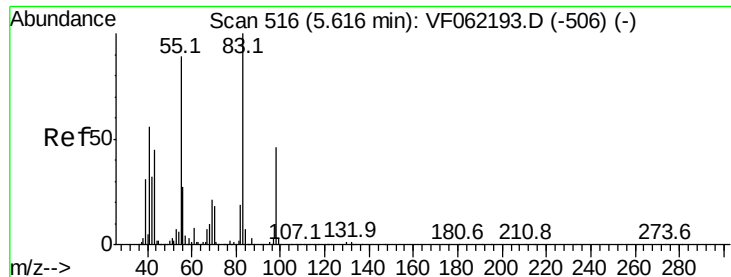
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#38
Carbon Tetrachloride
Concen: 20.579 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.0	112.4
121	33.5	26.9	40.3





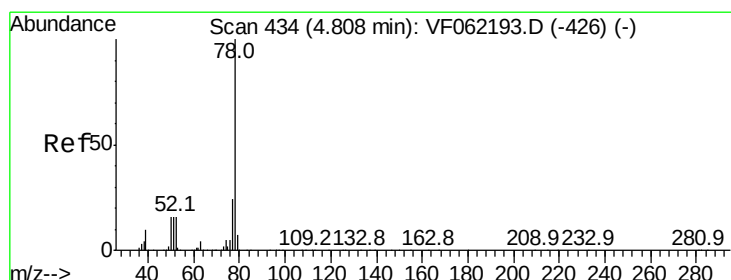
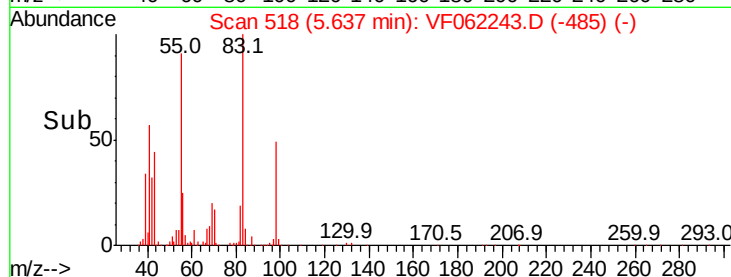
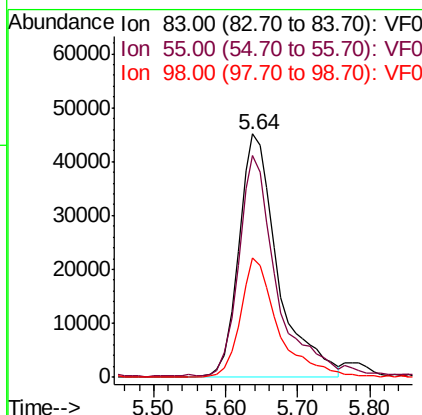
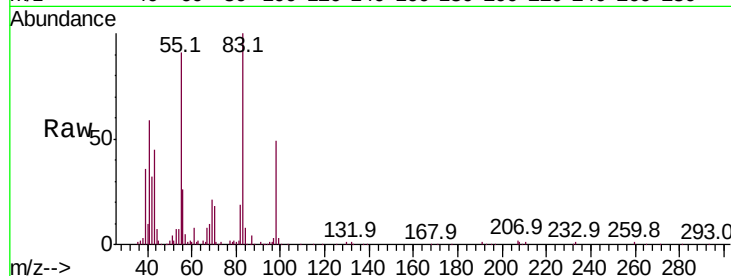
#39
Methylcyclohexane
Concen: 20.688 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.1	71.0	106.6
98	49.3	36.7	55.1

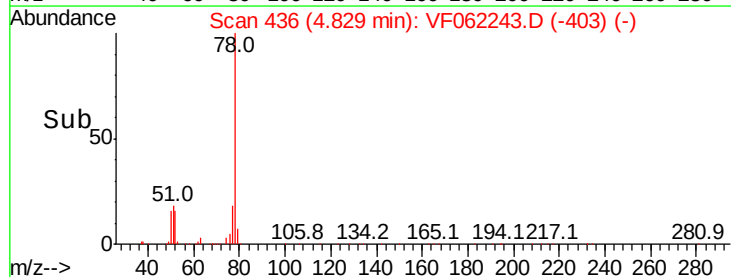
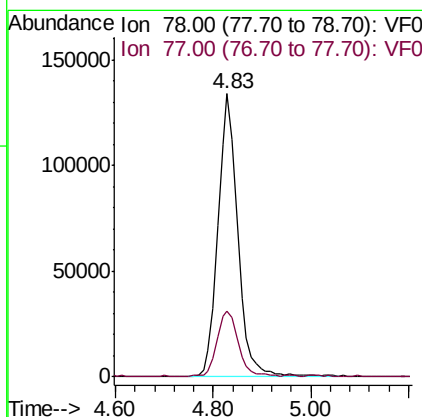
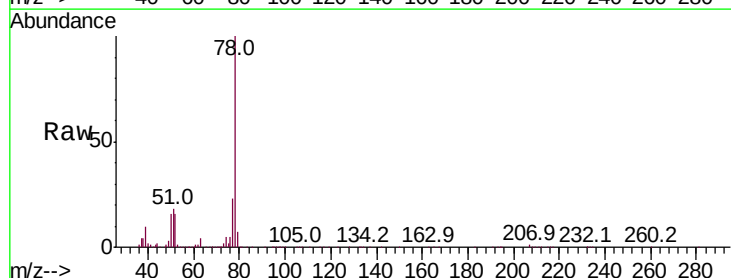
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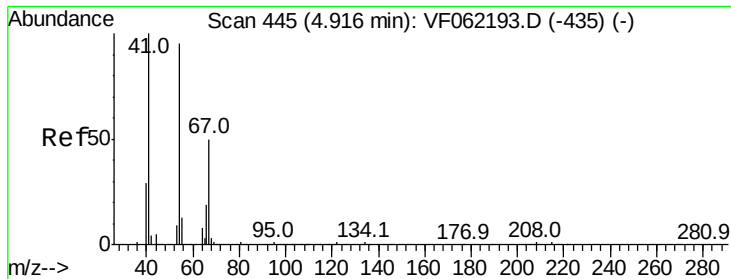
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#40
Benzene
Concen: 21.066 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.9	28.3





#41

Methacrylonitrile

Concen: 20.656 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

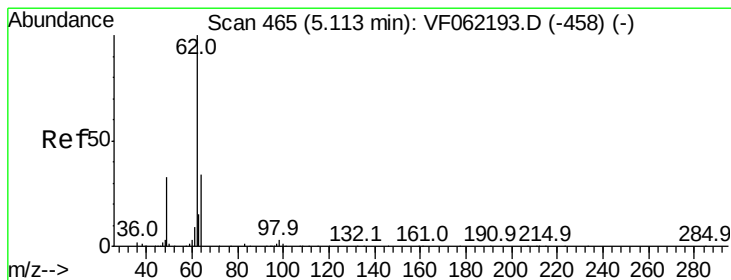
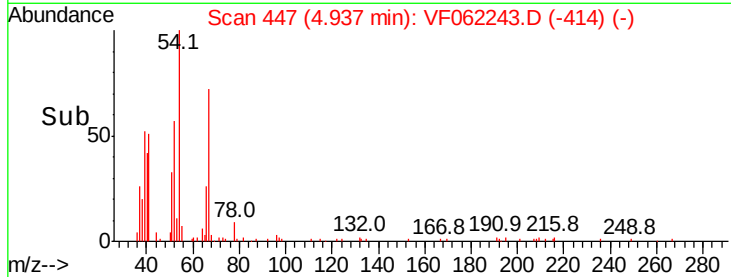
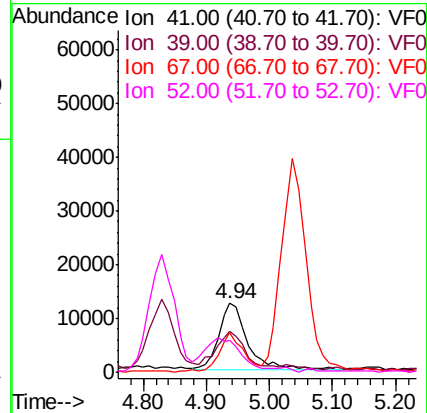
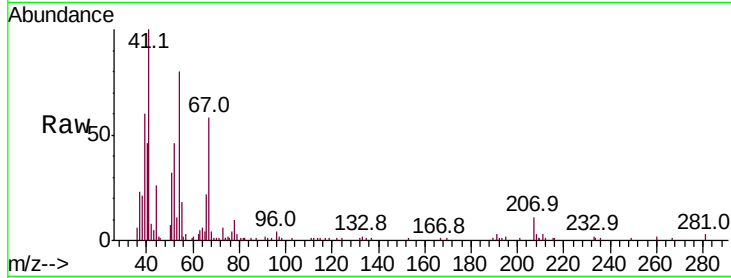
ClientSampleId :

VF0422SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		38654		
39	49.7	44.7	67.1		
67	50.8	39.1	58.7		
52	65.1	49.8	74.8		

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#42

1,2-Dichloroethane

Concen: 21.834 ug/l

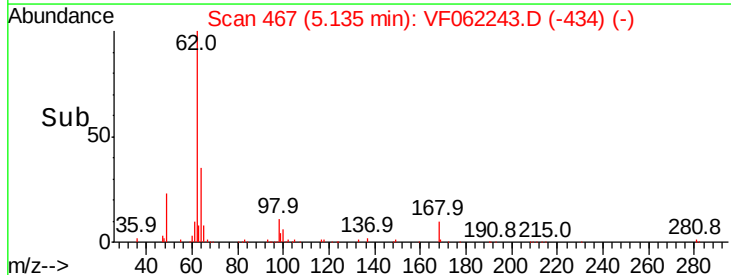
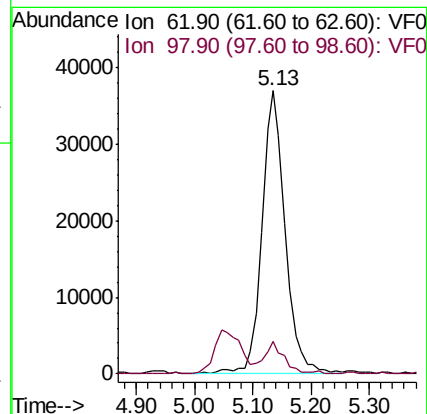
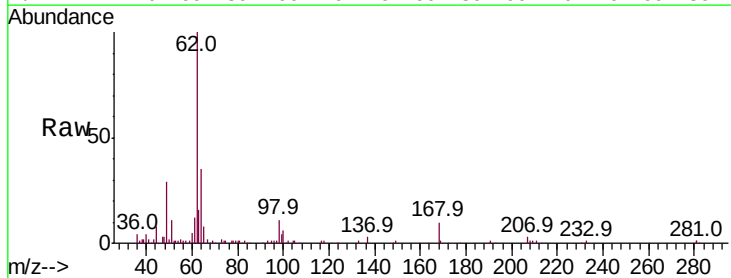
RT: 5.13 min Scan# 467

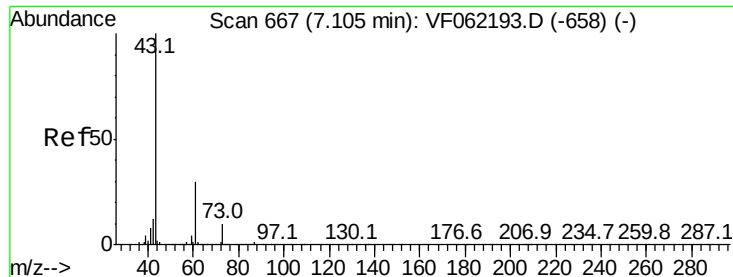
Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		104086		
98	8.5	0.0	19.0		





#43

Isopropyl Acetate

Concen: 18.723 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

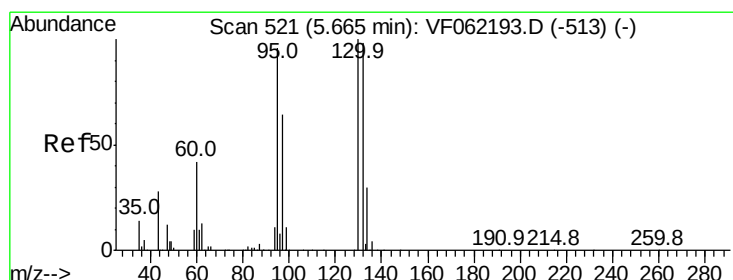
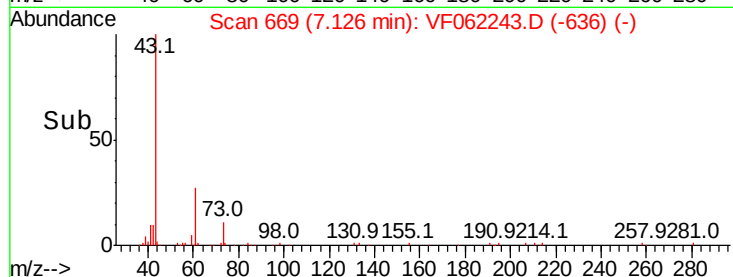
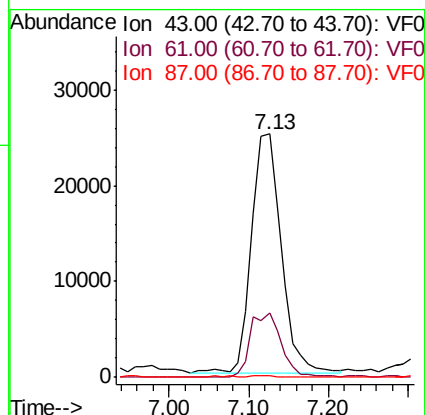
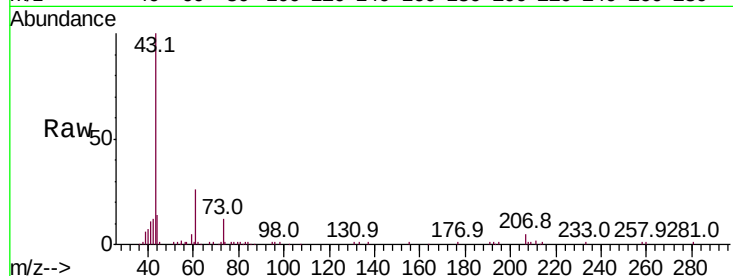
ClientSampleId :

VF0422SBS01

Tot Ion:	43	Resp:	63884
Ion	Ratio	Lower	Upper
43	100		
61	28.0	24.4	36.6
87	0.4	0.4	0.6

Manual Integrations
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4/23/2019 9:22:25 AM



#44

Trichloroethene

Concen: 21.729 ug/l

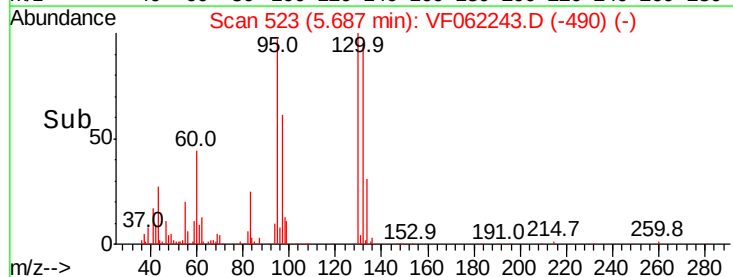
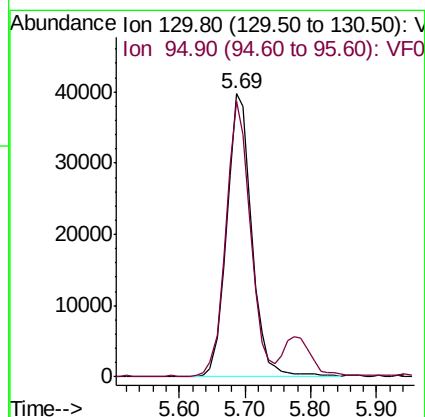
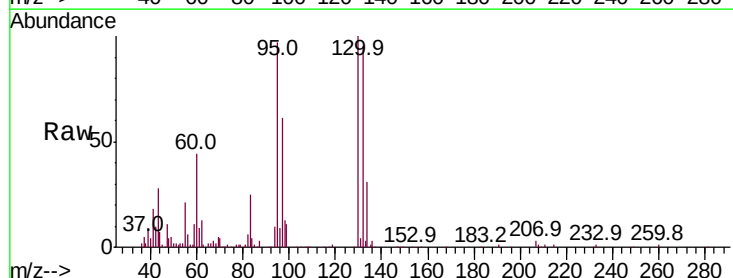
RT: 5.69 min Scan# 523

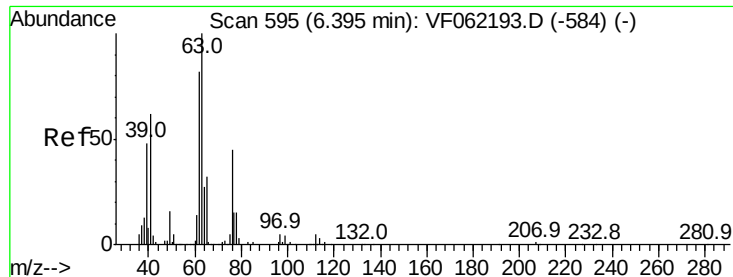
Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion:	130	Resp:	105879
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	191.4





#45

1,2-Dichloropropane

Concen: 19.019 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 63 Resp: 75546

Ion Ratio Lower Upper

63 100

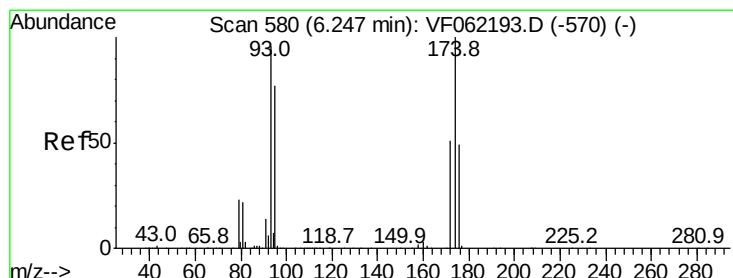
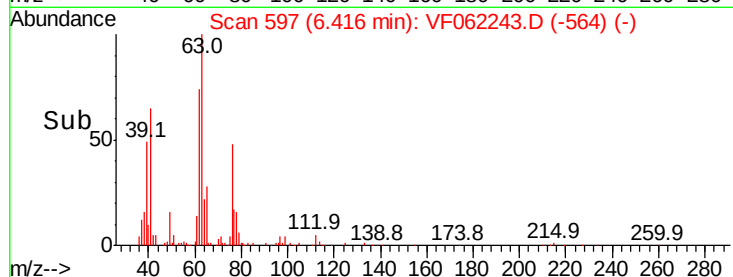
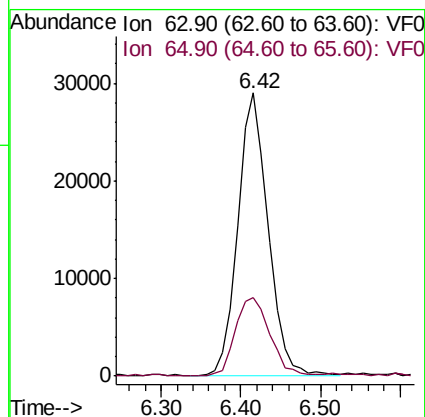
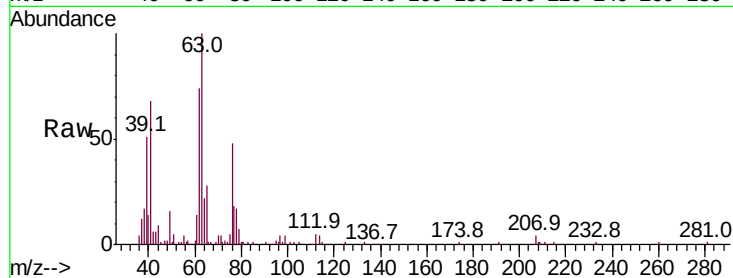
65 27.7 25.9 38.9

Manual Integrations

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#46

Dibromomethane

Concen: 19.854 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

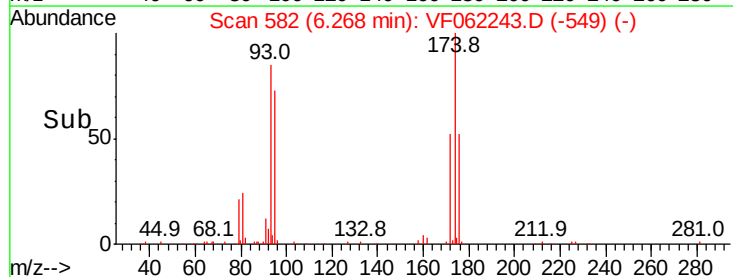
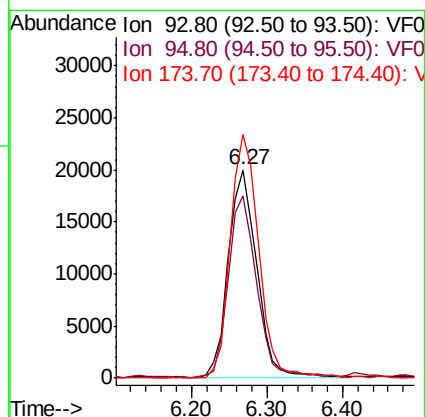
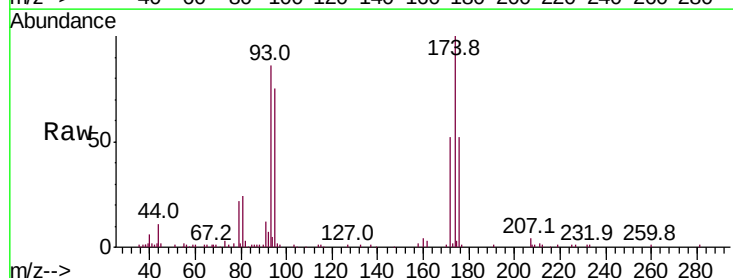
Tgt Ion: 93 Resp: 52469

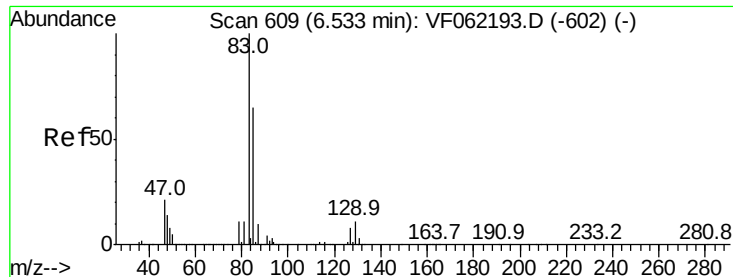
Ion Ratio Lower Upper

93 100

95 86.1 65.1 97.7

174 116.0 81.8 122.6





#47

Bromodichloromethane

Concen: 20.914 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

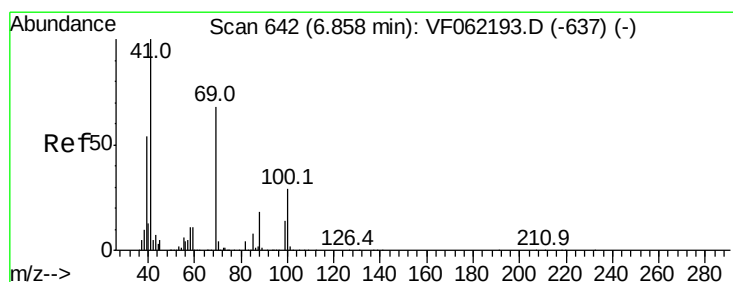
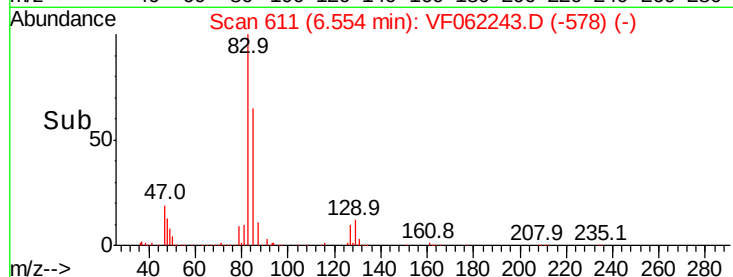
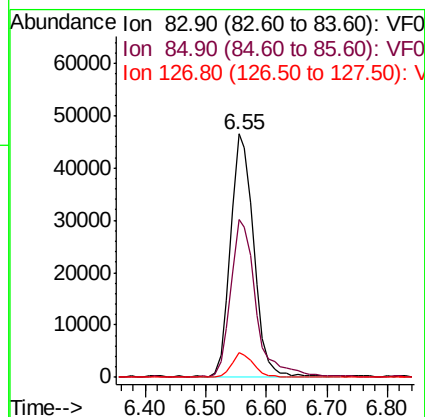
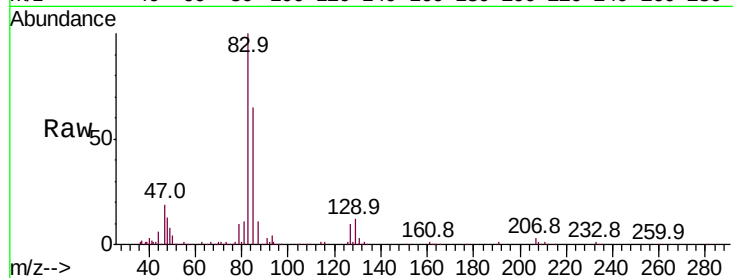
ClientSampleId :

VF0422SBS01

Tot Ion:	83	Resp:	124726
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.2	78.4
127	10.0	6.7	10.1

Manual Integrations
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MMDadoda
4/23/2019 9:22:25 AM



#48

Methyl methacrylate

Concen: 19.160 ug/l

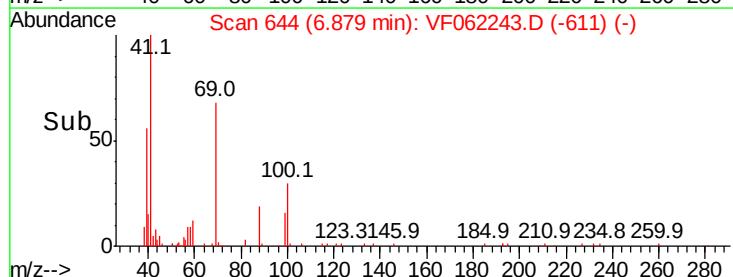
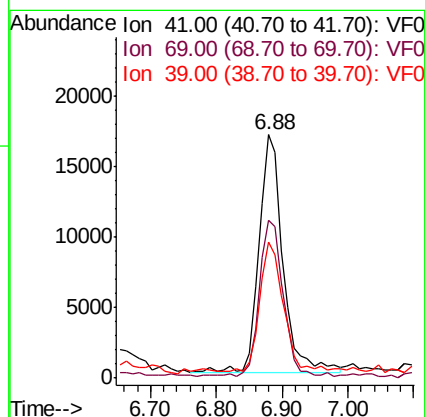
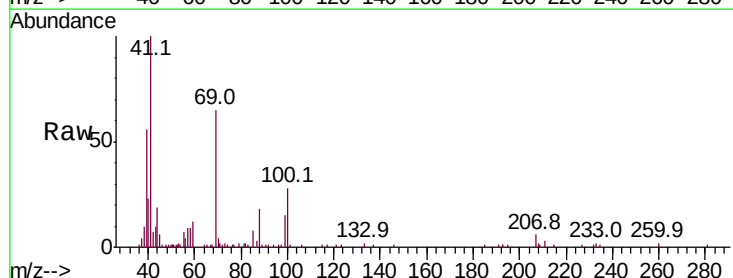
RT: 6.88 min Scan# 644

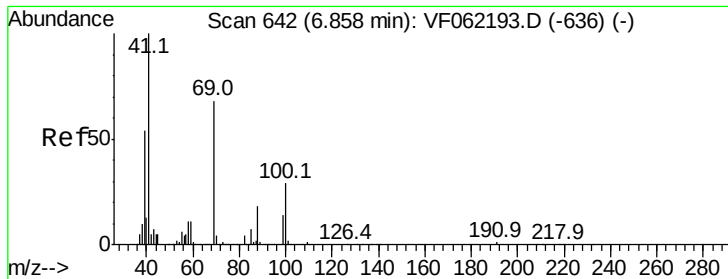
Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion:	41	Resp:	42964
Ion Ratio	Lower	Upper	
41	100		
69	65.2	54.9	82.3
39	53.9	43.6	65.4





#49

1,4-Dioxane

Concen: 331.308 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

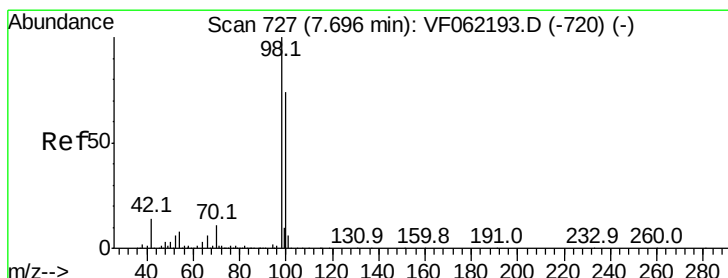
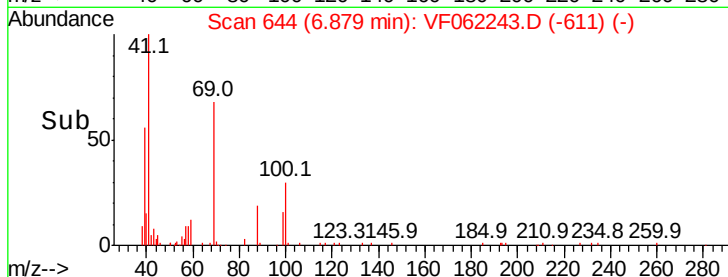
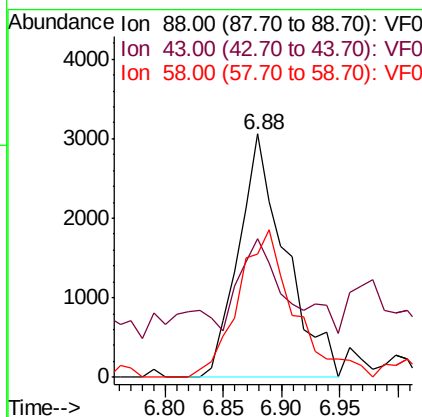
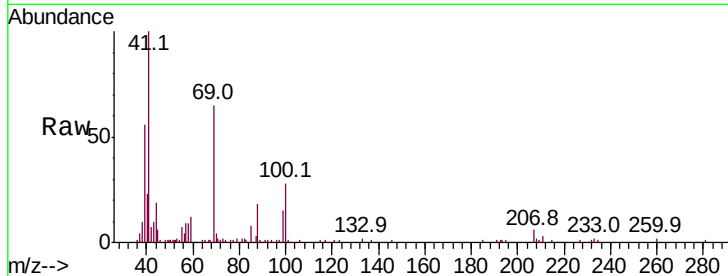
ClientSampleId :

VF0422SBS01

Tot Ion:	88	Resp:	8520
Ion	Ratio	Lower	Upper
88	100		
43	37.6	36.9	55.3
58	72.5	56.8	85.2

Manual Integrations
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#50

Toluene-d8

Concen: 50.691 ug/l

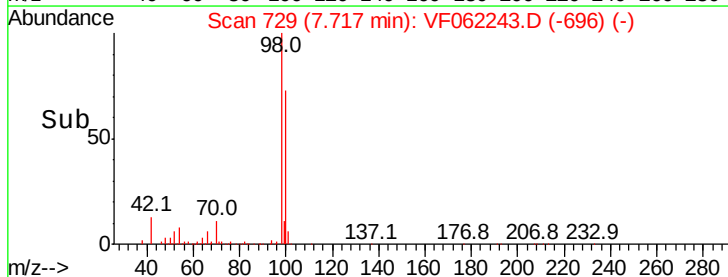
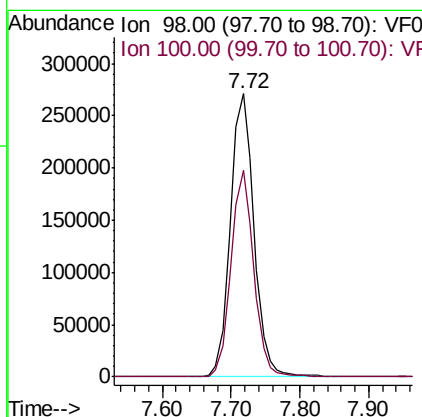
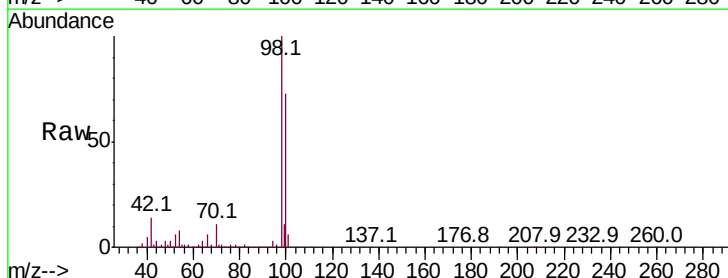
RT: 7.72 min Scan# 729

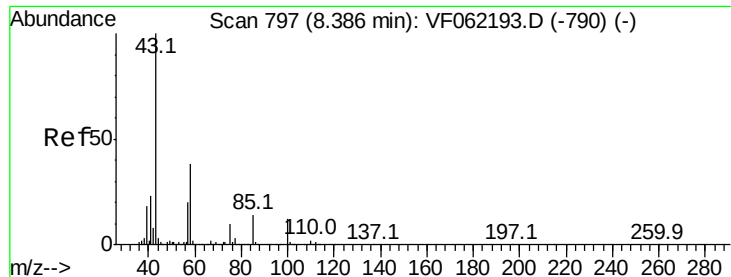
Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion:	98	Resp:	643620
Ion	Ratio	Lower	Upper
98	100		
100	70.3	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 99.021 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 43 Resp: 251299

Ion Ratio Lower Upper

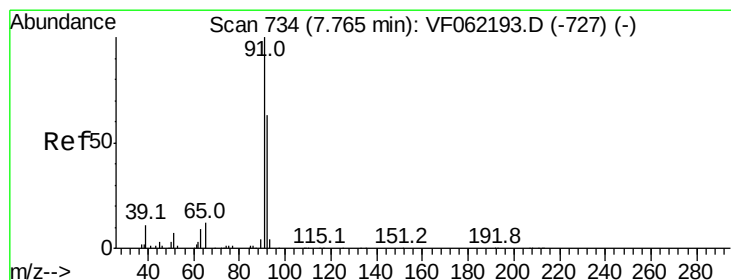
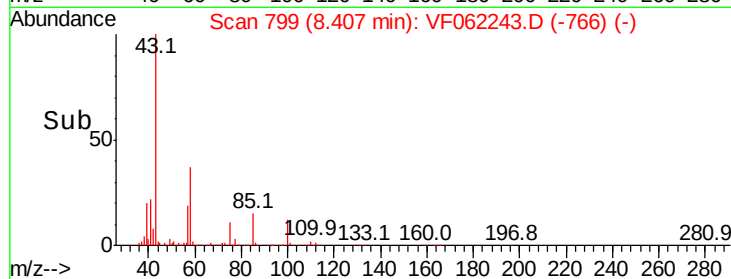
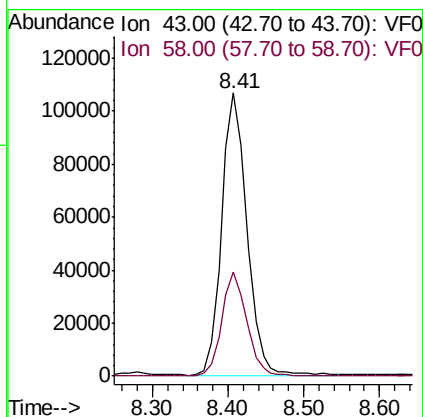
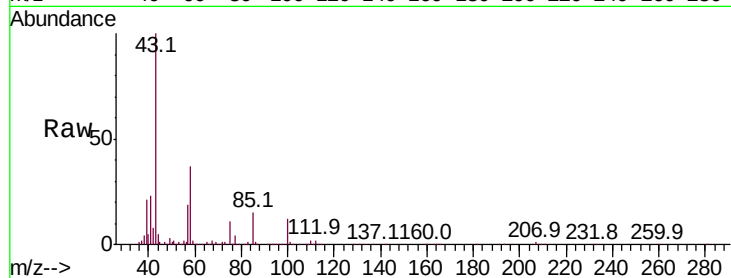
43 100

58 35.8 29.3 43.9

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#52

Toluene

Concen: 20.642 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062243.D

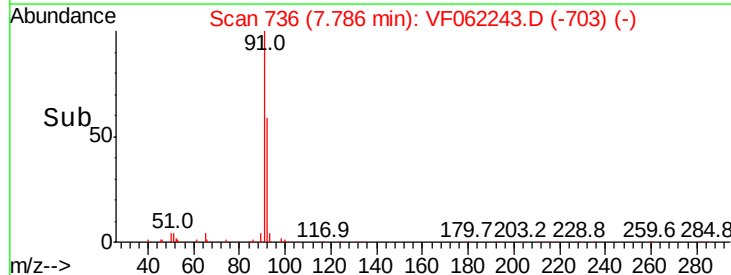
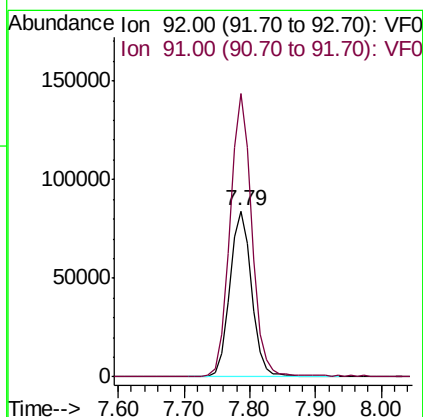
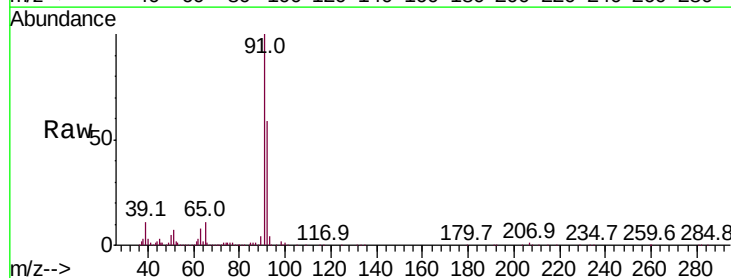
Acq: 22 Apr 2019 14:31

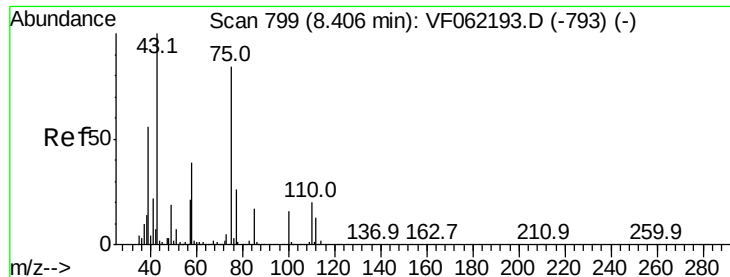
Tgt Ion: 92 Resp: 196216

Ion Ratio Lower Upper

92 100

91 170.1 130.1 195.1





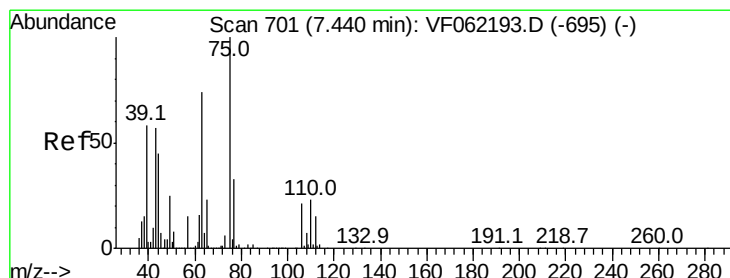
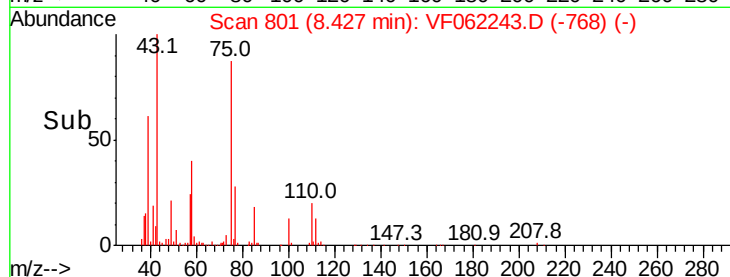
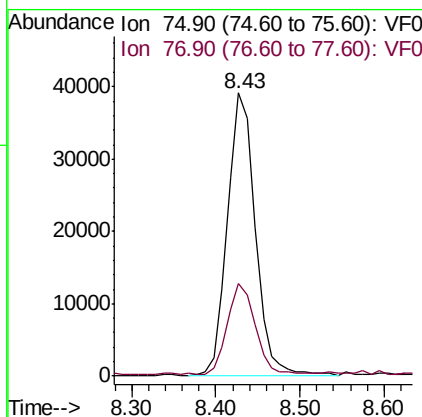
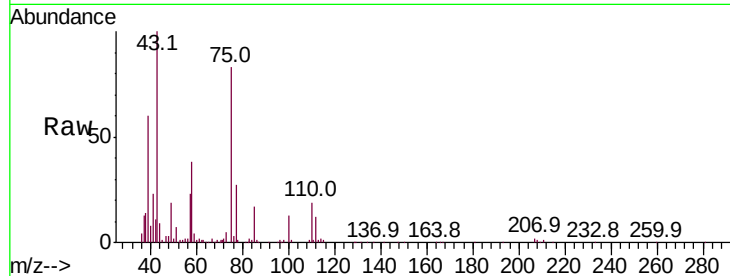
#53
t-1,3-Dichloropropene
Concen: 20.355 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion: 75 Resp: 91177
Ion Ratio Lower Upper
75 100
77 31.6 24.6 36.8

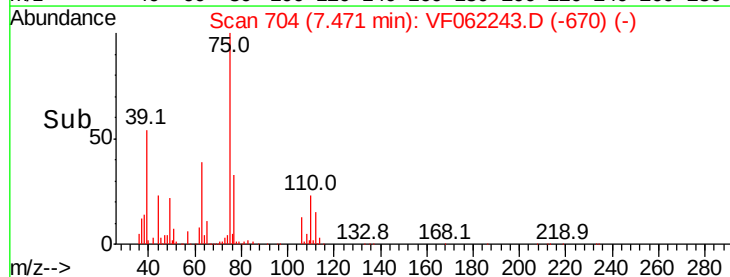
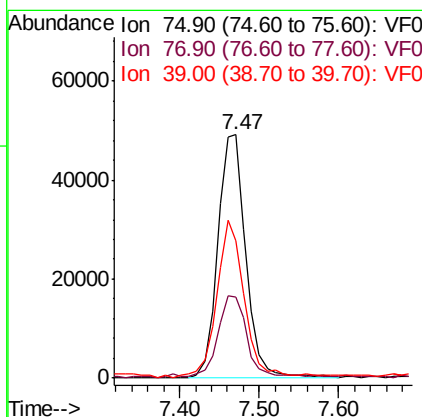
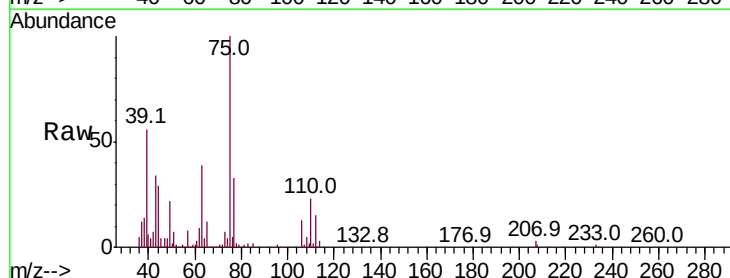
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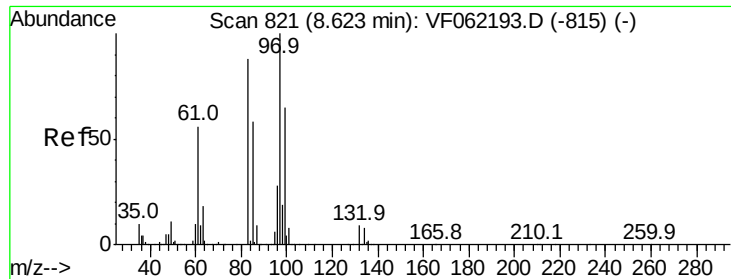
MMDadoda
4/23/2019 9:22:25 AM



#54
cis-1,3-Dichloropropene
Concen: 20.143 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.03 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion: 75 Resp: 122043
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6
39 54.8 46.7 70.1





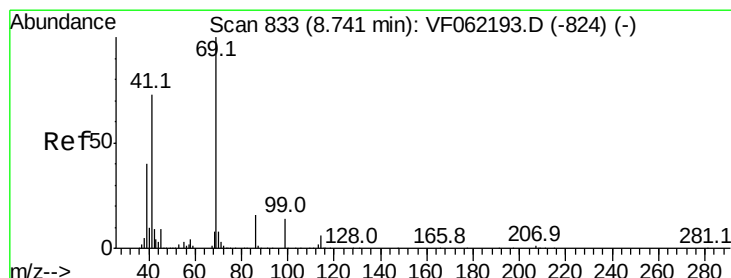
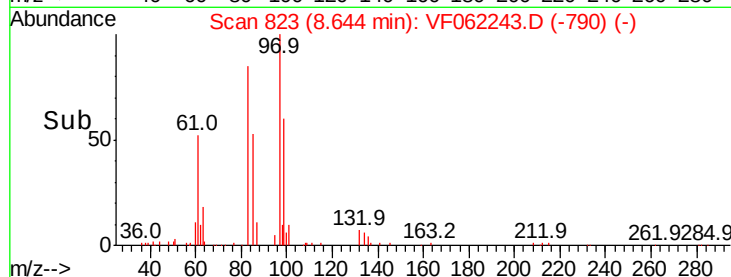
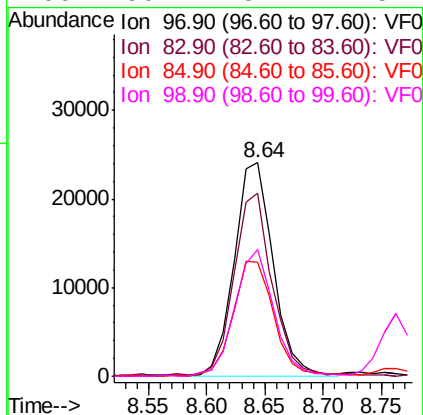
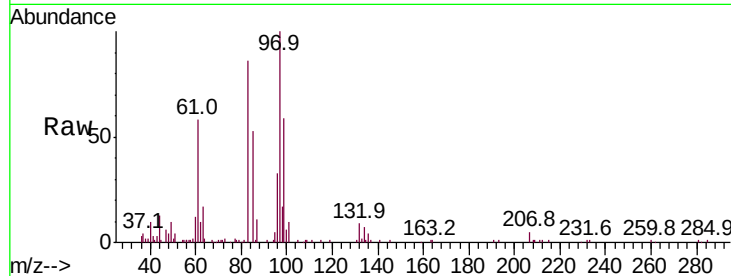
#55
1,1,2-Trichloroethane
Concen: 21.064 ug/l
RT: 8.64 min Scan# 823
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	97	Resp	56091
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.2	105.2
85	53.1	46.2	69.4
99	59.2	52.2	78.4

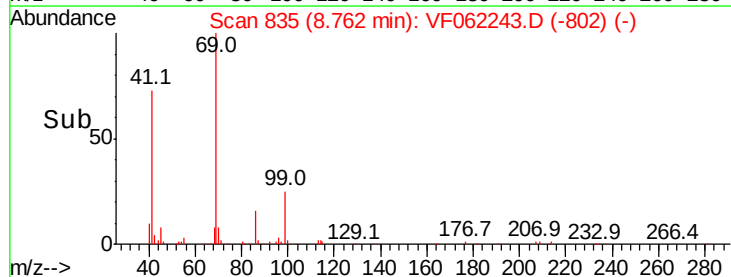
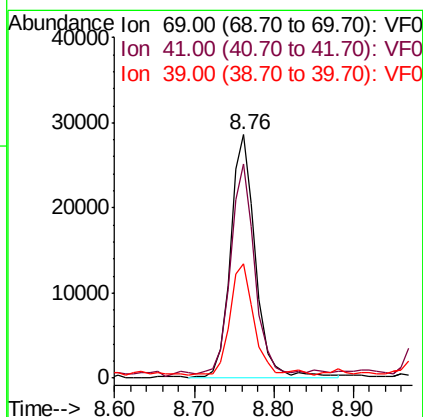
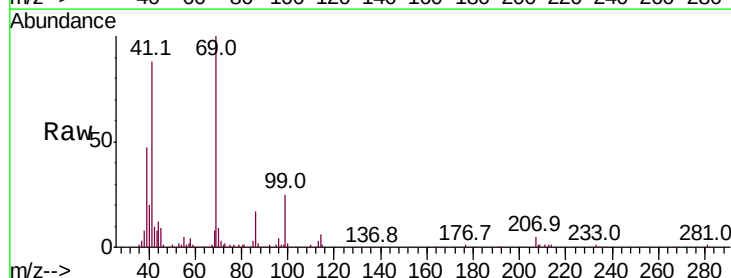
Manual Integrations
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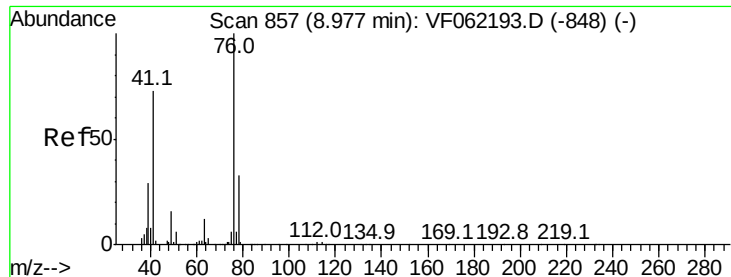
MMDadoda
4/23/2019 9:22:25 AM



#56
Ethyl methacrylate
Concen: 20.790 ug/l
RT: 8.76 min Scan# 835
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	69	Resp	62944
Ion	Ratio	Lower	Upper
69	100		
41	81.7	61.5	92.3
39	42.6	33.3	49.9





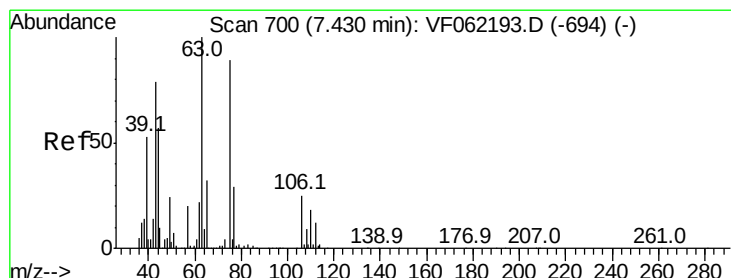
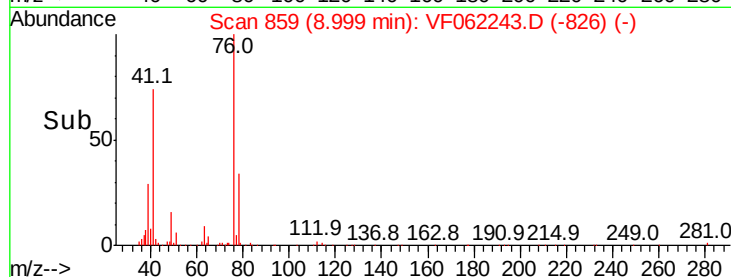
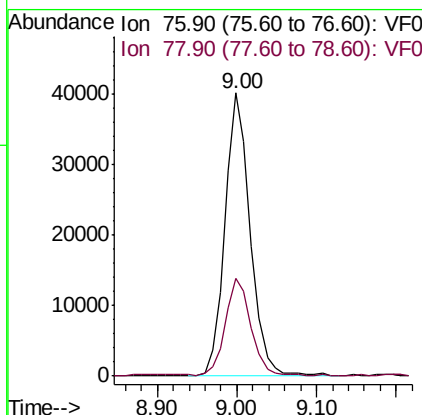
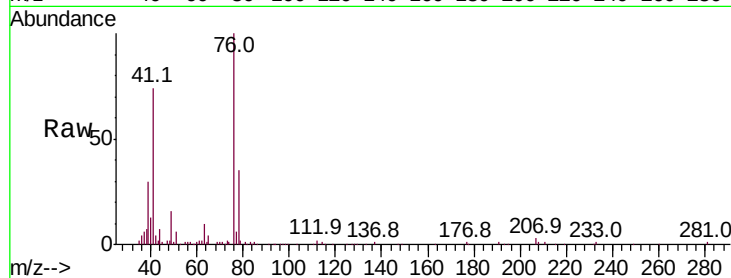
#57
 1,3-Dichloropropane
 Concen: 20.779 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion: 76 Resp: 89347
 Ion Ratio Lower Upper
 76 100
 78 34.6 26.5 39.7

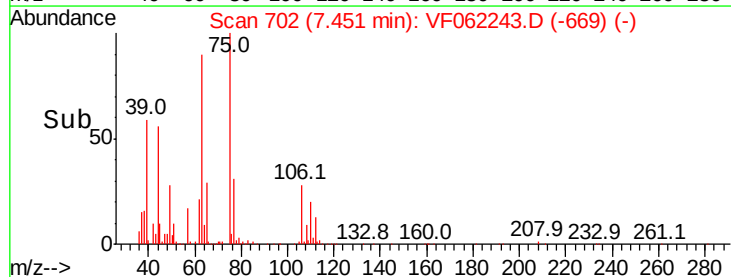
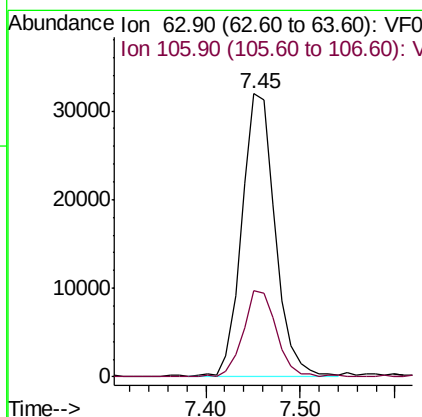
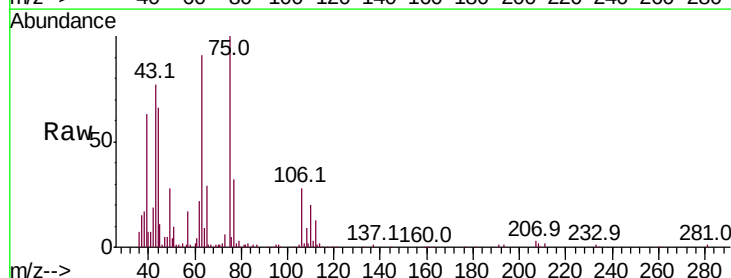
Manual Integrations
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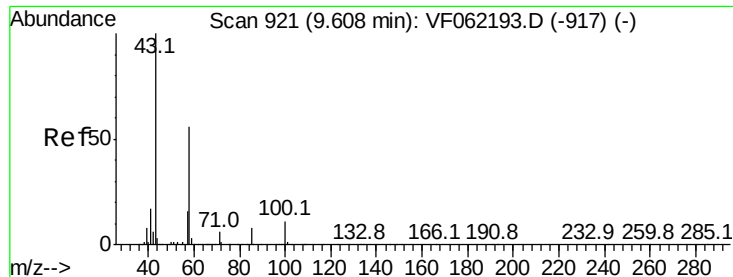
MMDadoda
 4/23/2019 9:22:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.541 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.02 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Tgt Ion: 63 Resp: 76948
 Ion Ratio Lower Upper
 63 100
 106 30.7 21.4 32.0





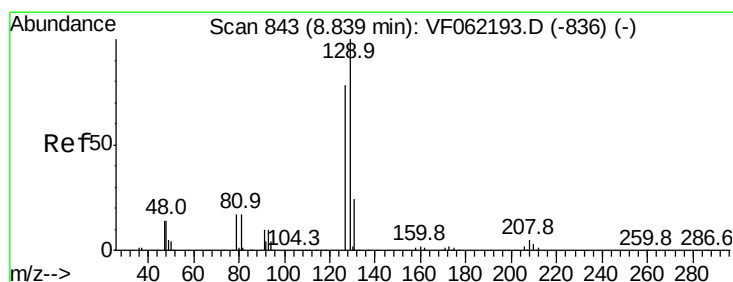
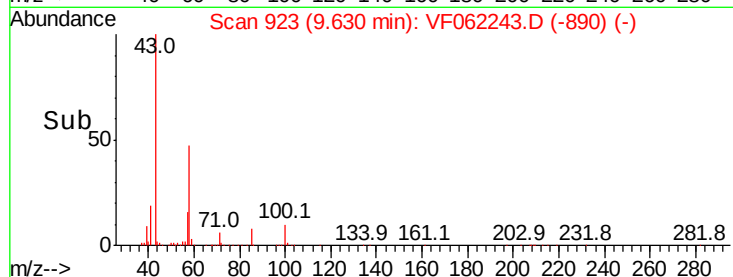
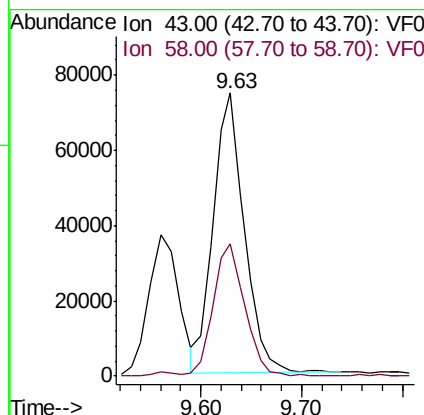
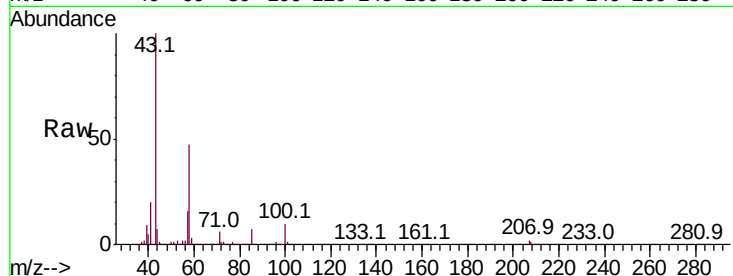
#59
2-Hexanone
Concen: 101.417 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion: 43 Resp: 160373
Ion Ratio Lower Upper
43 100
58 47.6 24.6 74.0

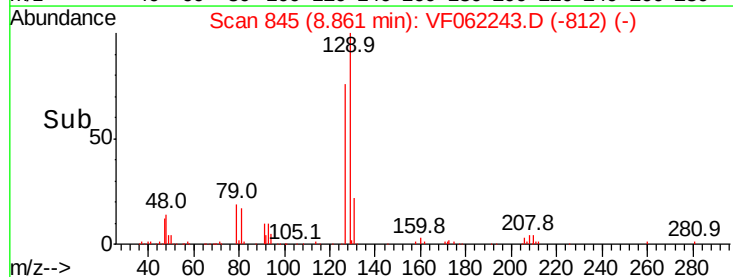
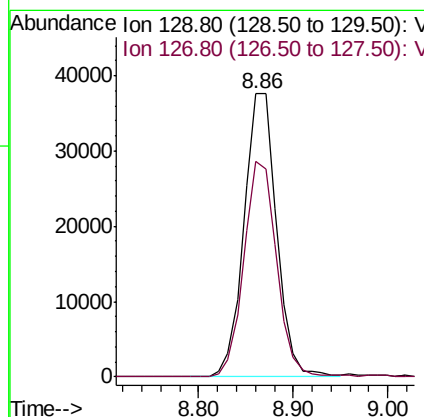
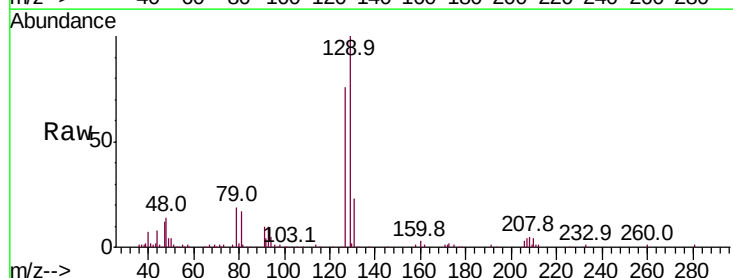
Manual Integrations
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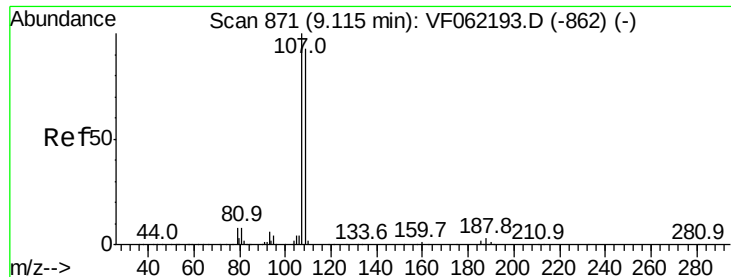
MMDadoda
4/23/2019 9:22:25 AM



#60
Dibromochloromethane
Concen: 22.739 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion: 129 Resp: 90049
Ion Ratio Lower Upper
129 100
127 76.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 21.082 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBSD01

Tot Ion:107 Resp: 63246

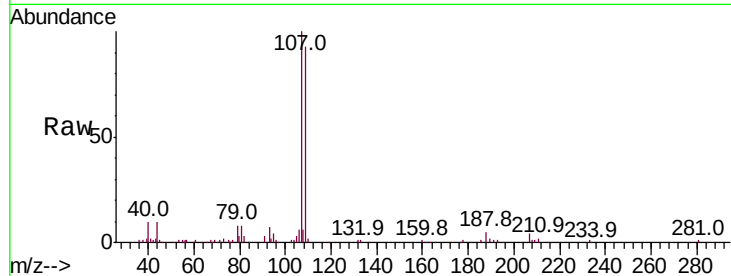
Ion Ratio Lower Upper

107 100

109 97.8 74.3 111.5

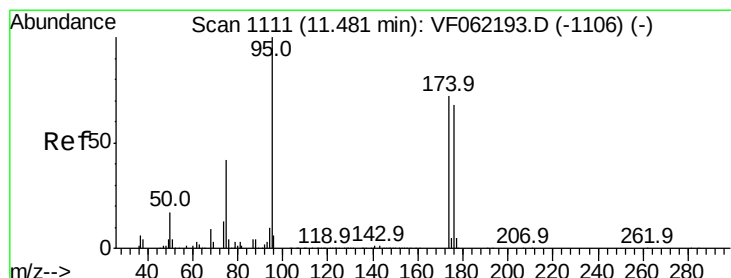
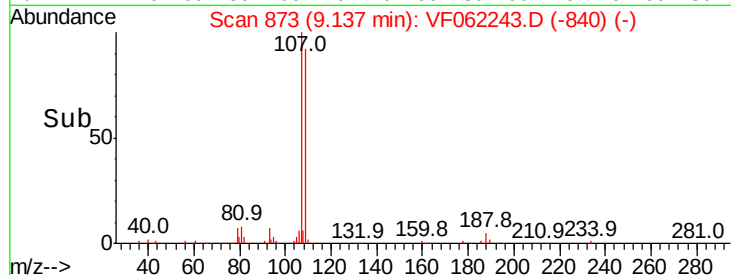
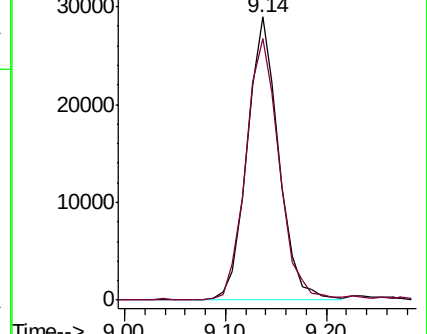
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.713 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

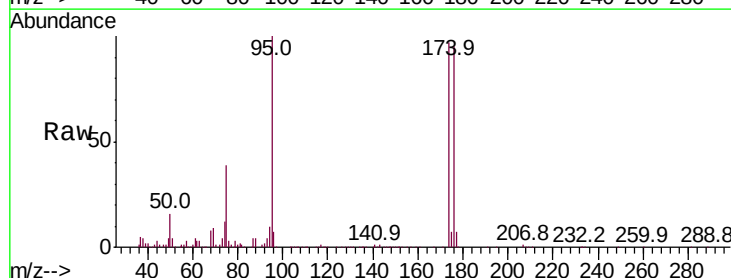
Tgt Ion: 95 Resp: 257477

Ion Ratio Lower Upper

95 100

174 89.9 0.0 159.4

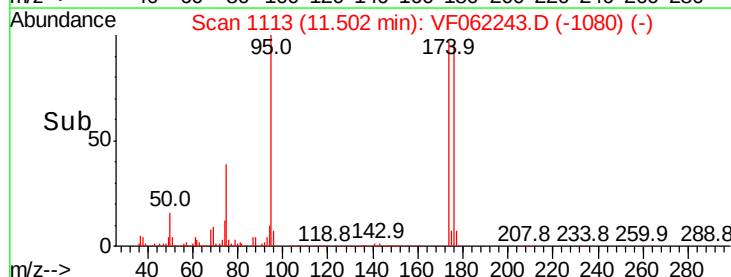
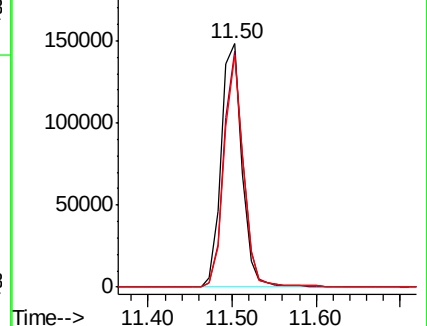
176 88.2 0.0 155.4

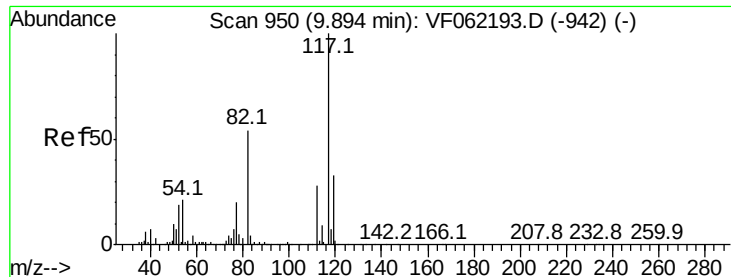


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





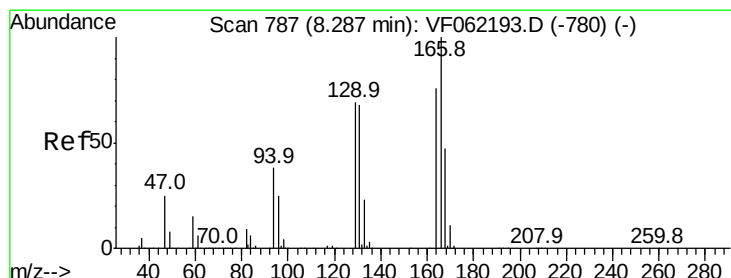
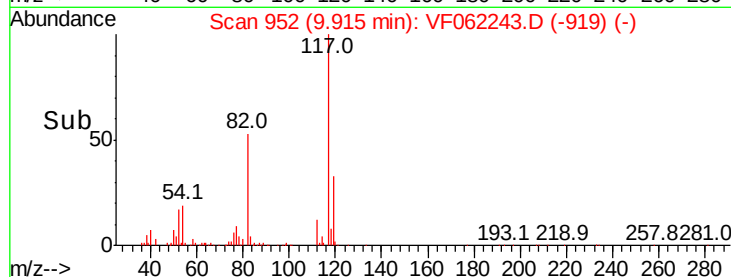
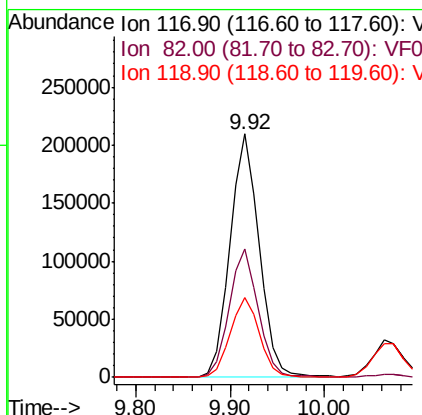
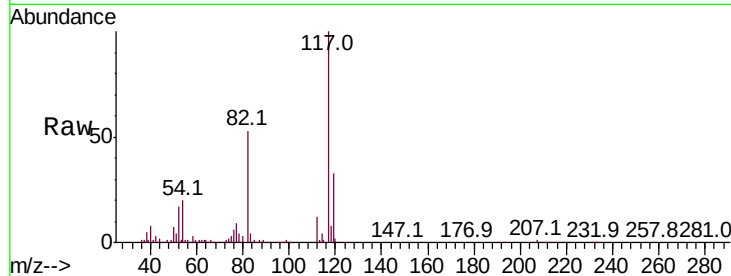
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	448607		
82	52.5	43.2	64.8	
119	32.5	26.2	39.4	

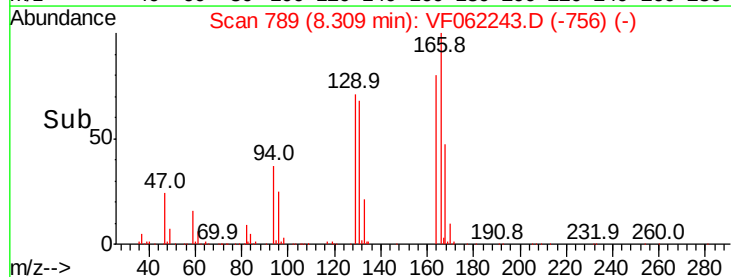
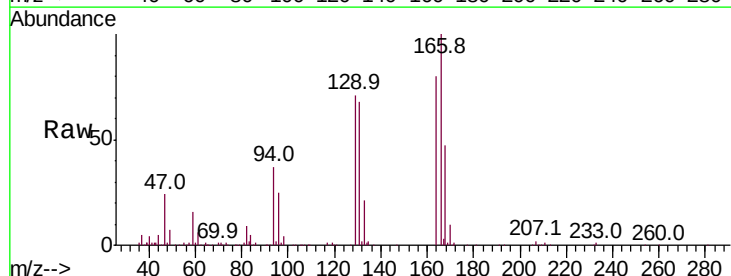
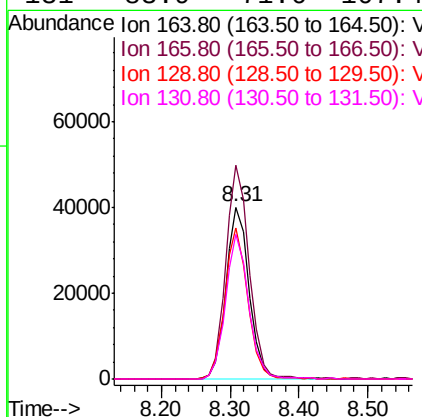
Manual Integrations
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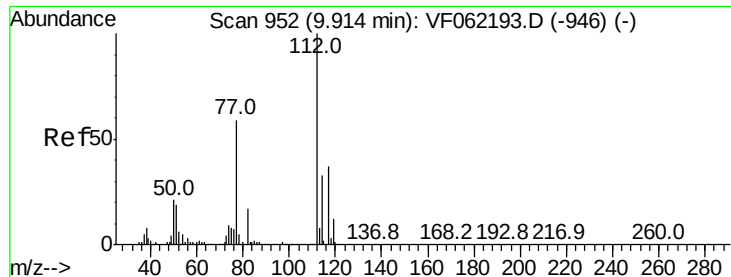
MMDadoda
4/23/2019 9:22:25 AM



#64
Tetrachloroethene
Concen: 22.861 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92580		
166	124.3	104.7	157.1	
129	87.8	72.6	109.0	
131	83.9	71.6	107.4	





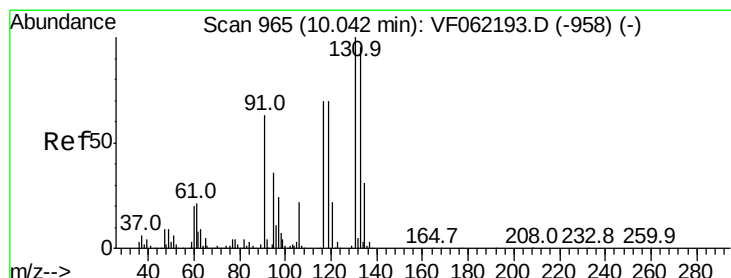
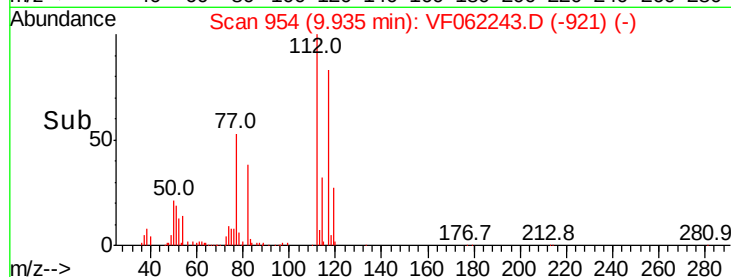
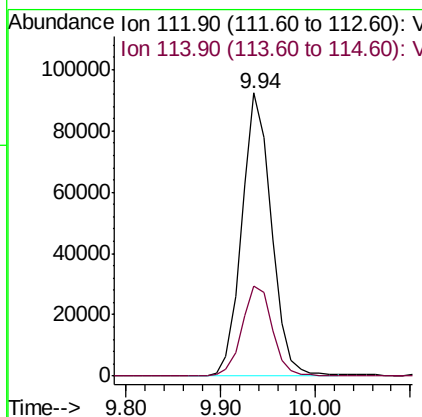
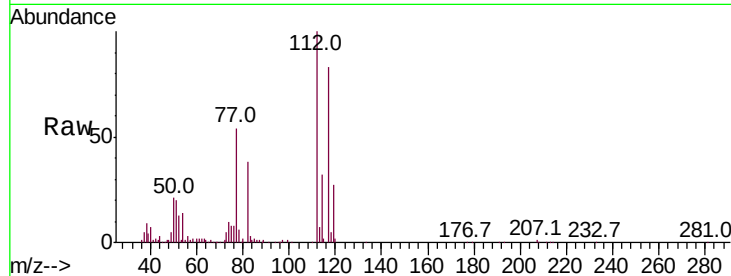
#65
Chlorobenzene
Concen: 20.928 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	200186		
114	31.8	26.1	39.1	

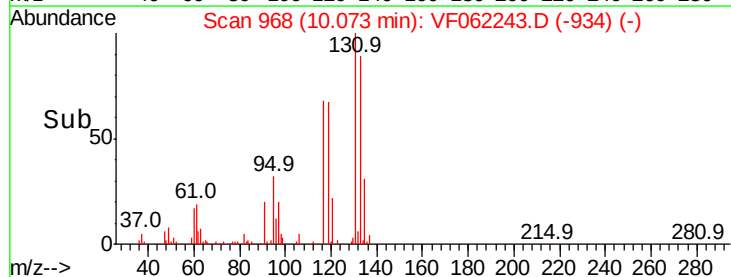
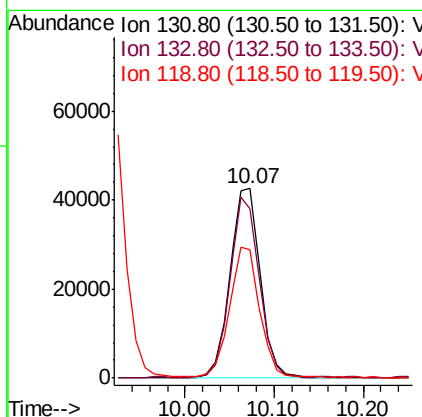
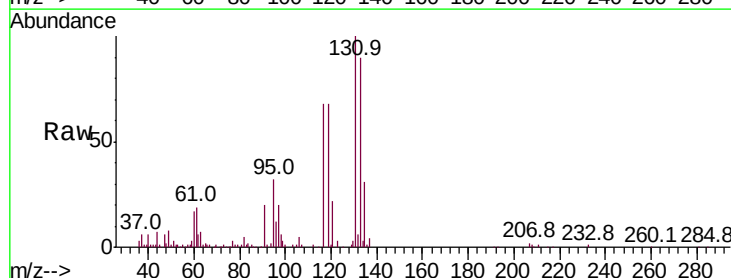
Manual Integrations
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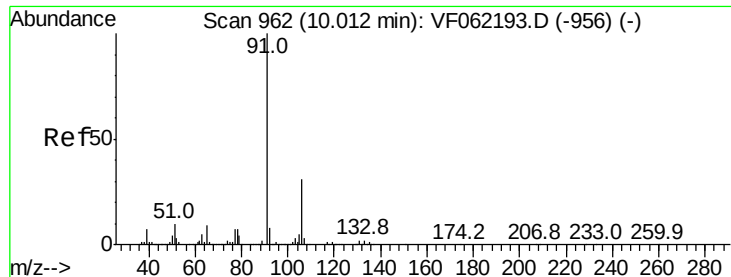
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.617 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.03 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	101314		
133	91.7	47.7	143.1	
119	70.4	34.6	103.9	





#67

Ethyl Benzene

Concen: 21.488 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 91 Resp: 373752

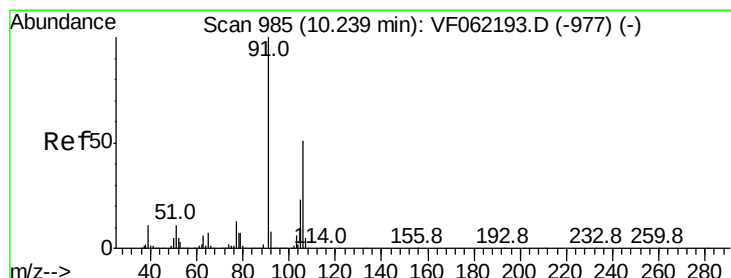
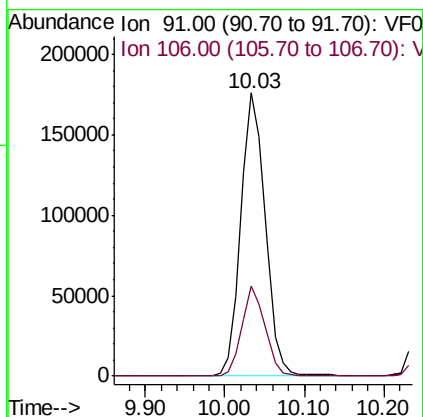
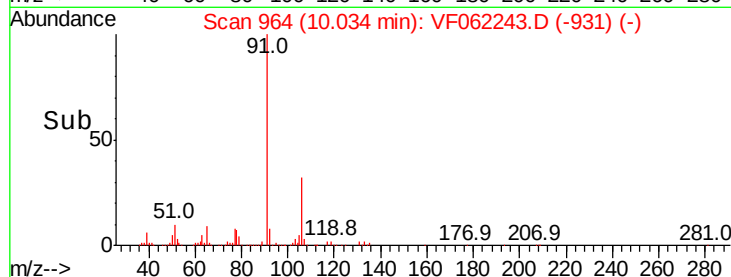
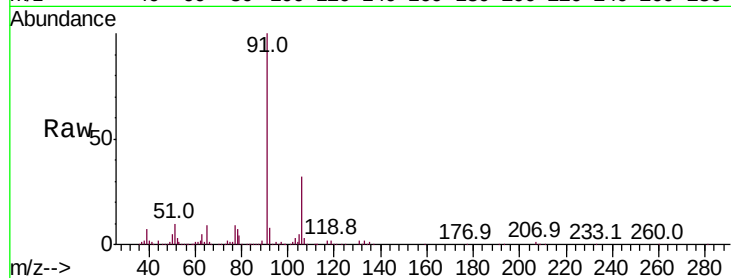
Ion Ratio Lower Upper

91 100

106 31.8 24.9 37.3

Manual Integrations
APPROVED

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4/23/2019 9:22:25 AM



#68

m/p-Xylenes

Concen: 43.979 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.02 min

Lab File: VF062243.D

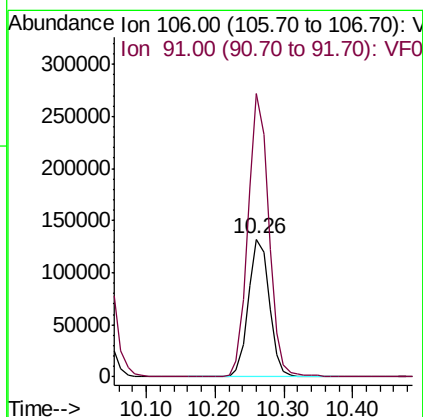
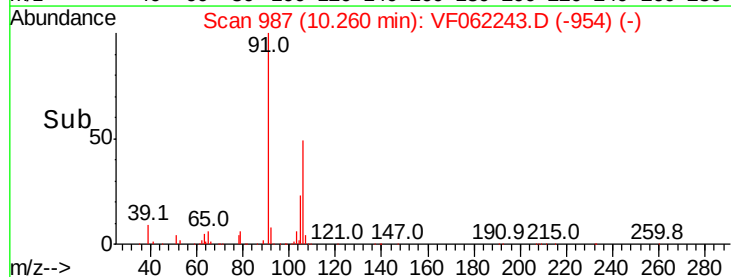
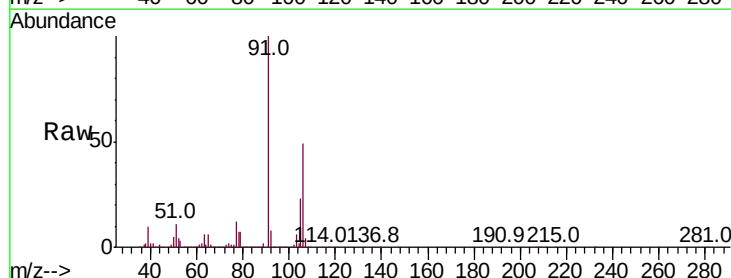
Acq: 22 Apr 2019 14:31

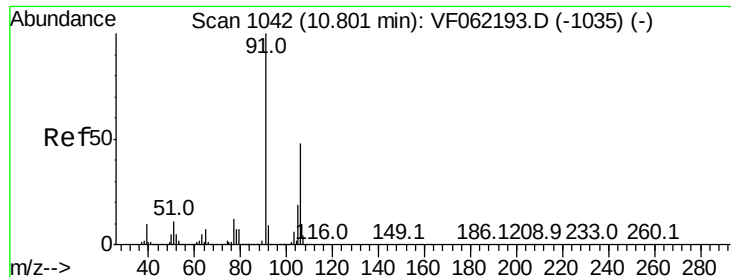
Tgt Ion: 106 Resp: 281601

Ion Ratio Lower Upper

106 100

91 202.3 159.1 238.7





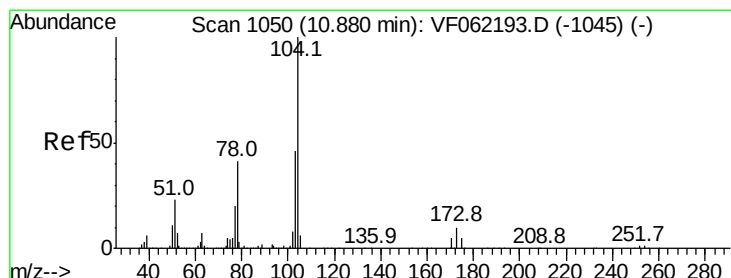
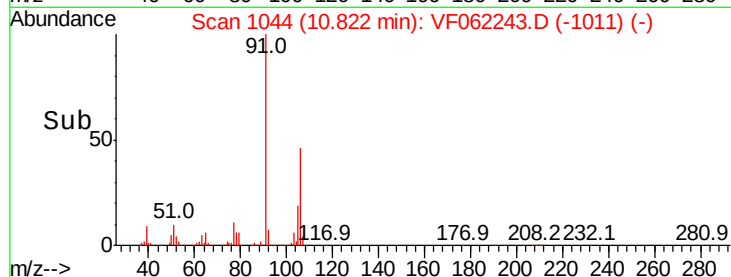
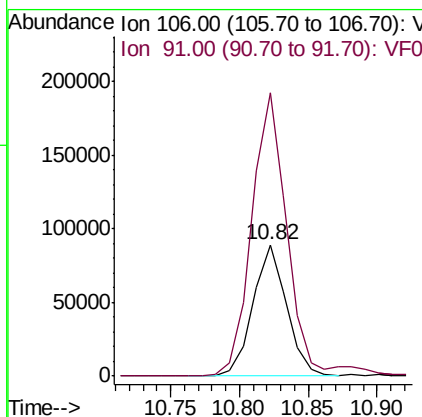
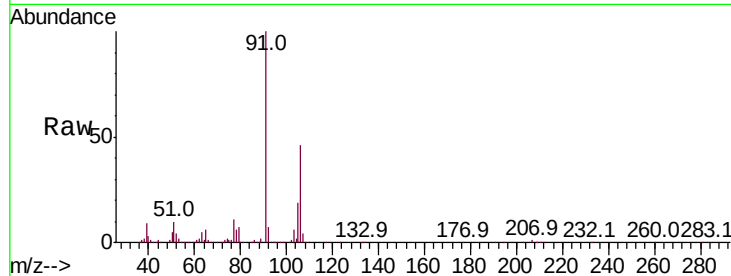
#69
o-Xylene
Concen: 21.422 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	229.3	107.5	322.4

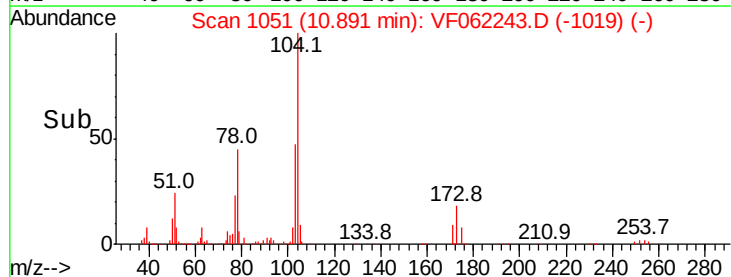
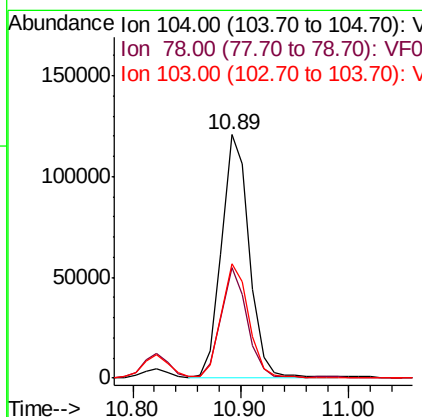
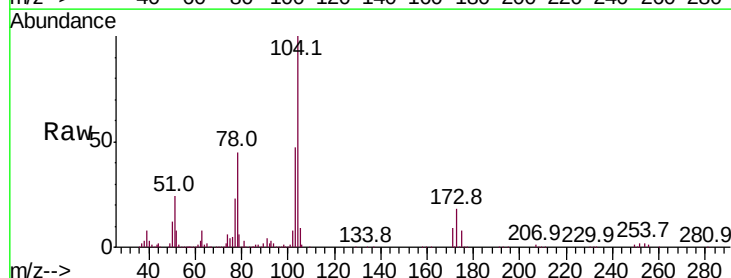
Manual Integrations
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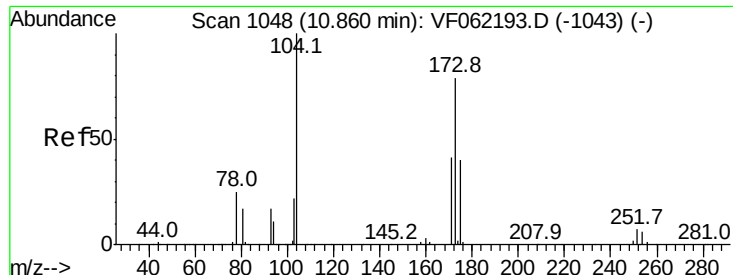
MMDadoda
4/23/2019 9:22:25 AM



#70
Styrene
Concen: 21.315 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.2	34.5	51.7
103	46.7	37.2	55.8





#71

Bromoform

Concen: 22.288 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

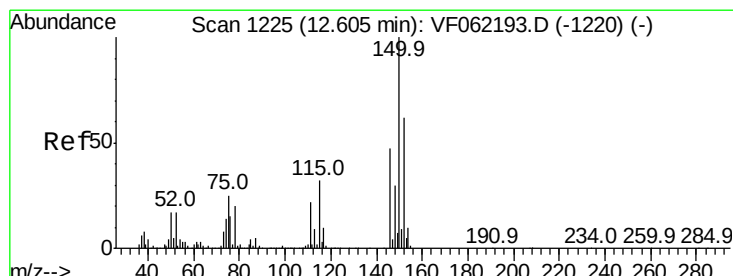
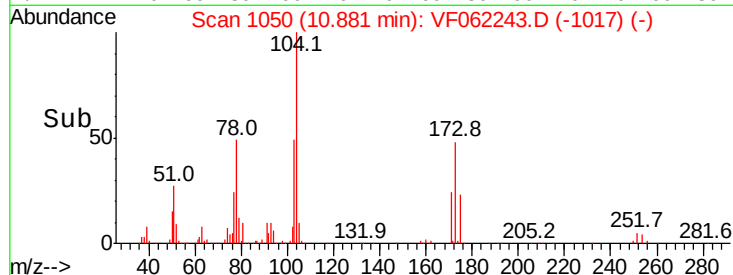
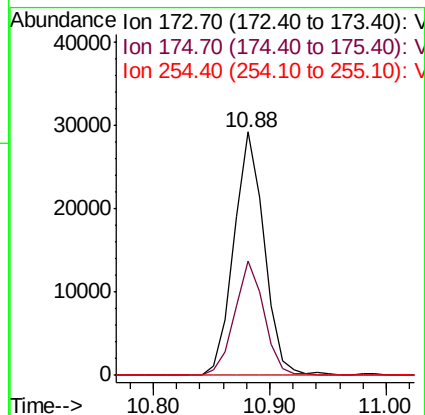
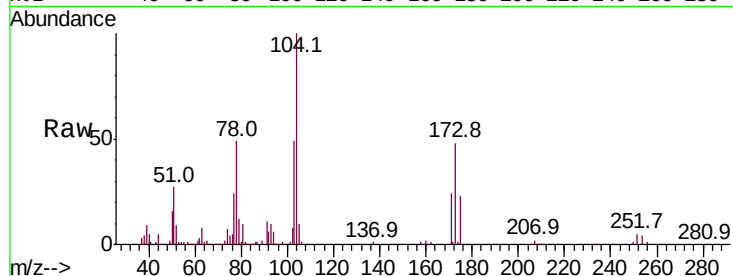
ClientSampleId :

VF0422SBS01

Tot Ion:	173	Resp:	52713
Ion Ratio	Lower	Upper	
173	100		
175	45.3	24.5	73.5
254	0.0	0.1	0.1#

Manual Integrations
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4/23/2019 9:22:25 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

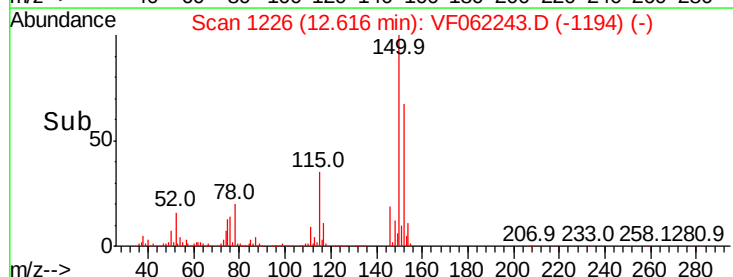
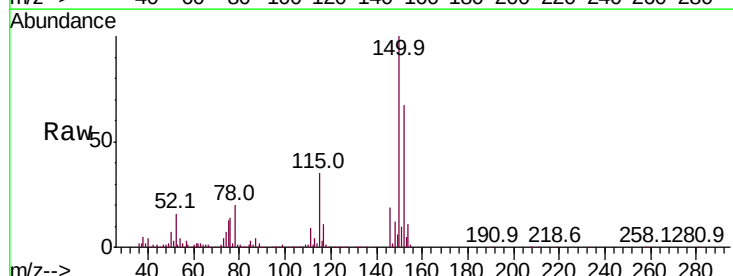
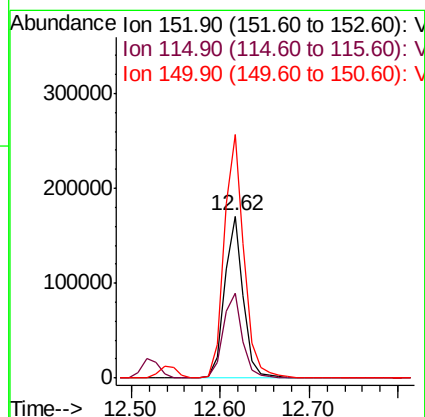
RT: 12.62 min Scan# 1226

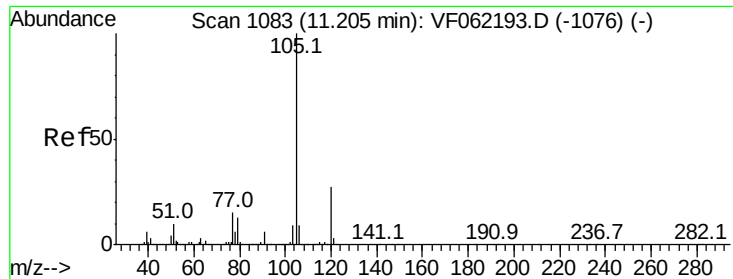
Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion:	152	Resp:	251726
Ion Ratio	Lower	Upper	
152	100		
115	54.5	27.8	83.3
150	159.8	0.0	341.8





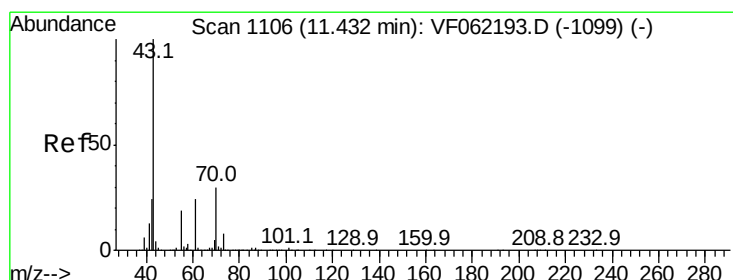
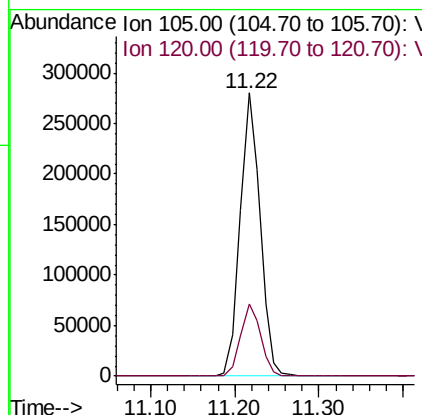
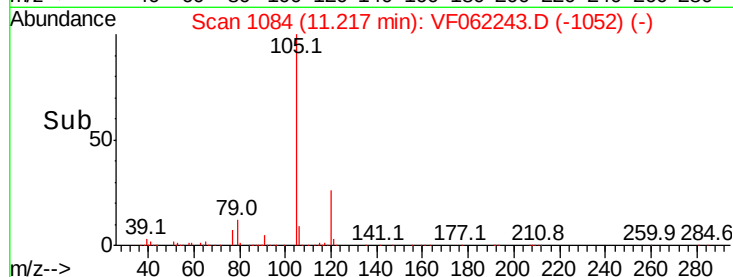
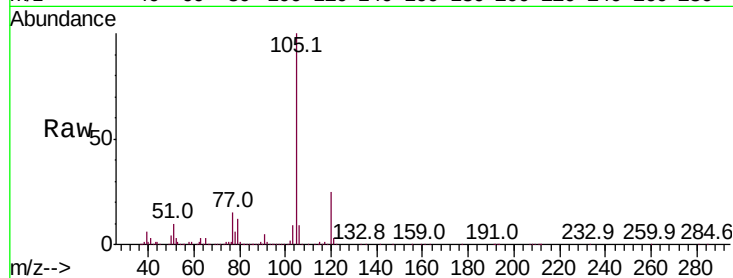
#73
Isopropylbenzene
Concen: 21.516 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion:105 Resp: 465242
Ion Ratio Lower Upper
105 100
120 25.7 13.0 38.9

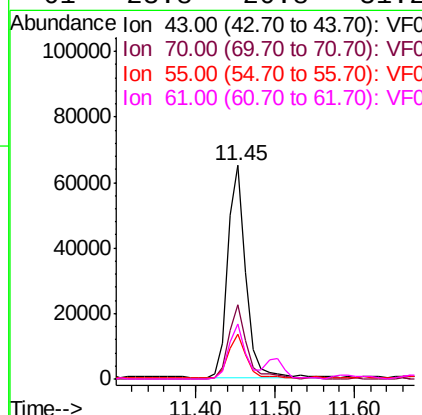
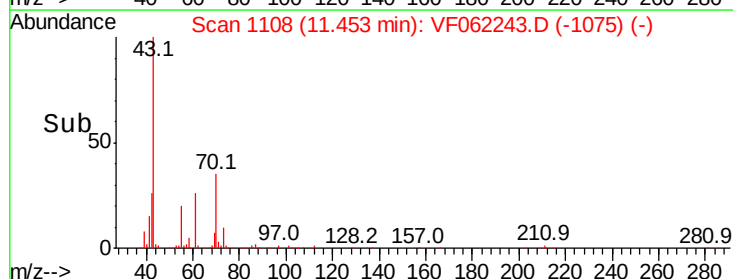
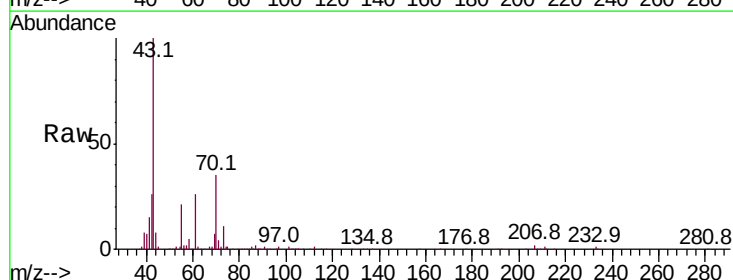
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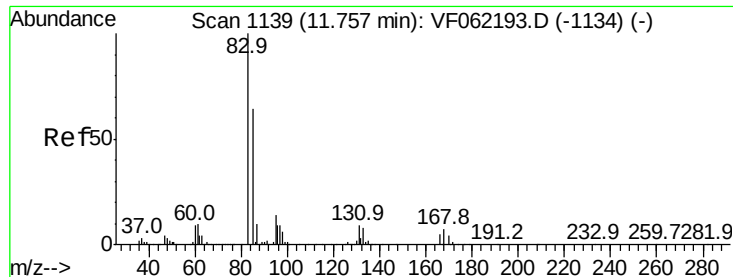
MMDadoda
4/23/2019 9:22:25 AM



#74
N-ethyl acetate
Concen: 18.712 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. 0.02 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion: 43 Resp: 103053
Ion Ratio Lower Upper
43 100
70 35.9 27.0 40.4
55 22.1 15.7 23.5
61 23.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.466 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

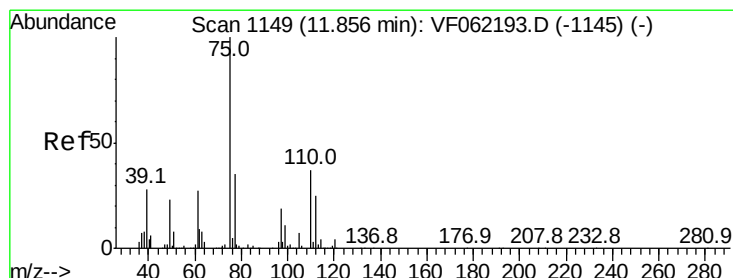
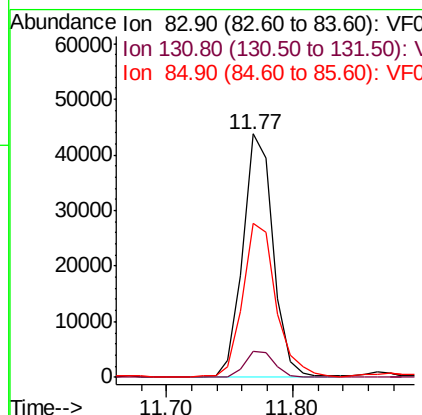
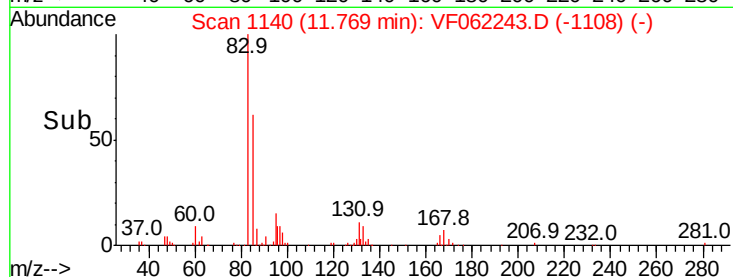
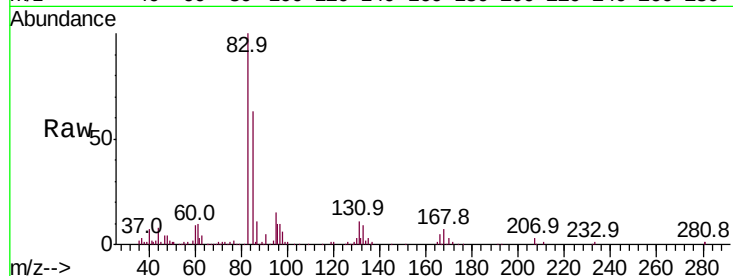
ClientSampleId :

VF0422SBS01

Tot Ion:	83	Resp:	72388
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.5	13.5
85	70.7	34.7	104.1

Manual Integrations
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4/23/2019 9:22:25 AM



#76

1,2,3-Trichloropropane

Concen: 17.937 ug/l

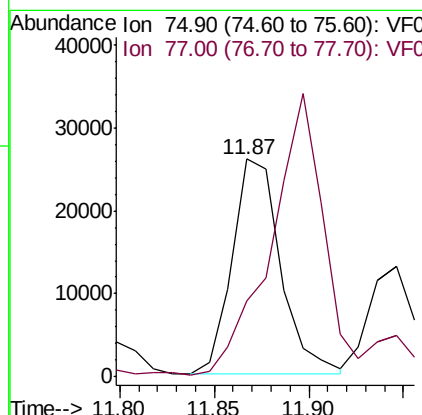
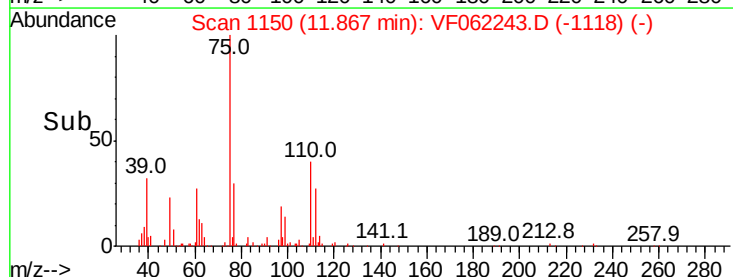
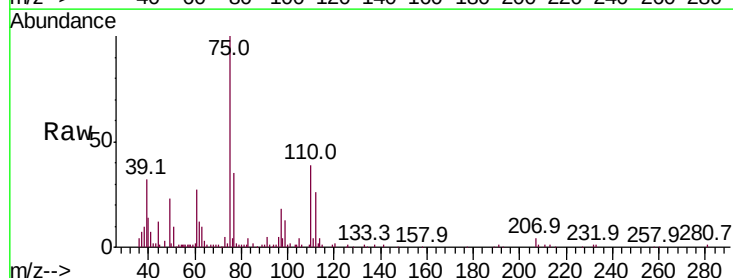
RT: 11.87 min Scan# 1150

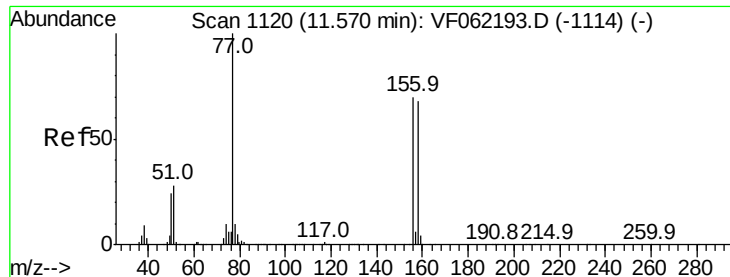
Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion:	75	Resp:	45891
Ion Ratio	Lower	Upper	
75	100		
77	0.0	7.4	22.2#





#77

Bromobenzene

Concen: 22.037 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

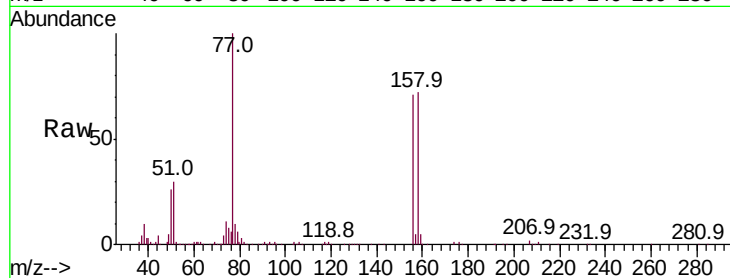
ClientSampleId :

VF0422SBS01

Tot Ion:	156	Resp:	102080
Ion Ratio	Lower	Upper	
156	100		
77	143.5	80.9	242.7
158	98.9	49.8	149.4

Manual Integrations
APPROVED

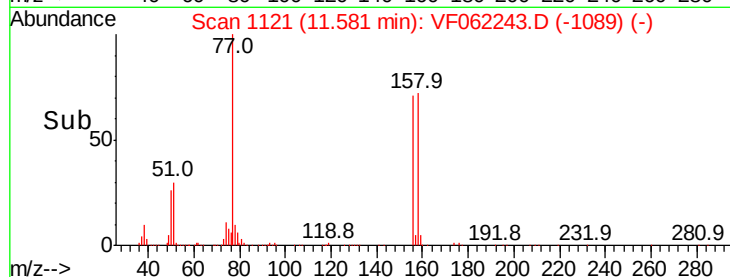
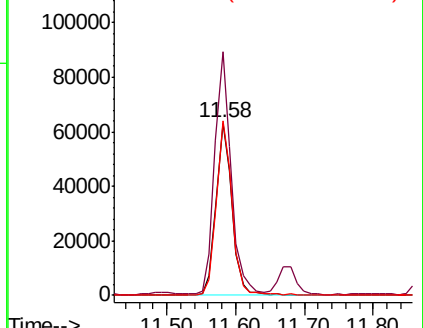
MMDadoda
4/23/2019 9:22:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.743 ug/l

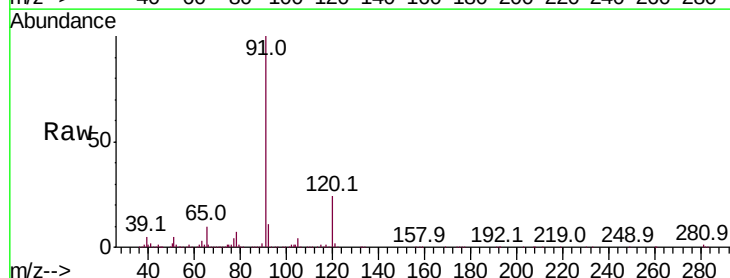
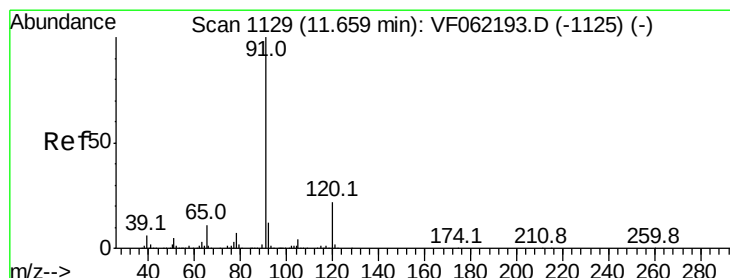
RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062243.D

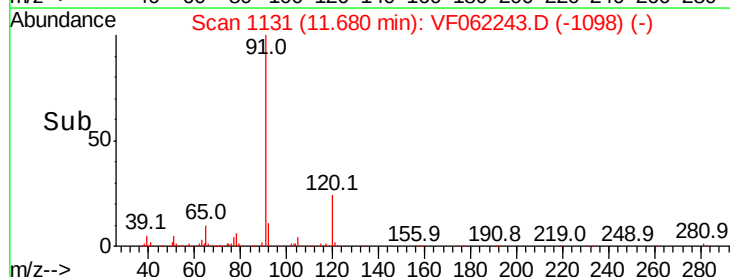
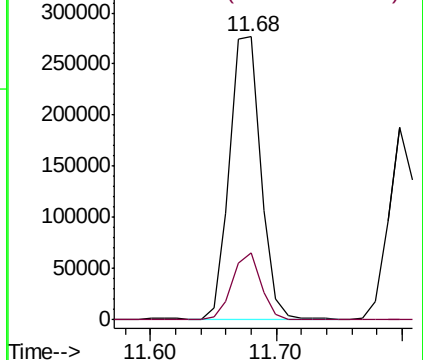
Acq: 22 Apr 2019 14:31

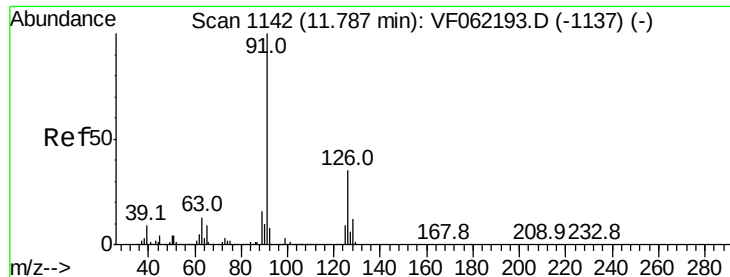
Tgt Ion:	91	Resp:	473175
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.872 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 91 Resp: 288807

Ion Ratio Lower Upper

91 100

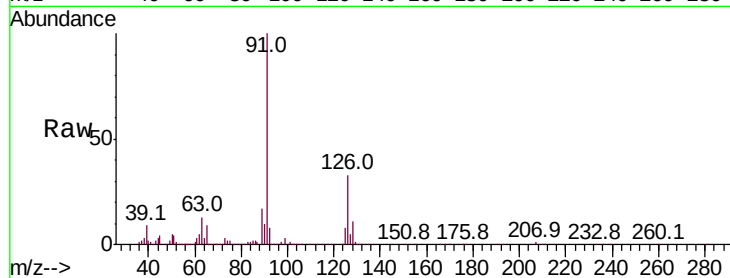
126 34.7 16.9 50.6

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

11.80

200000

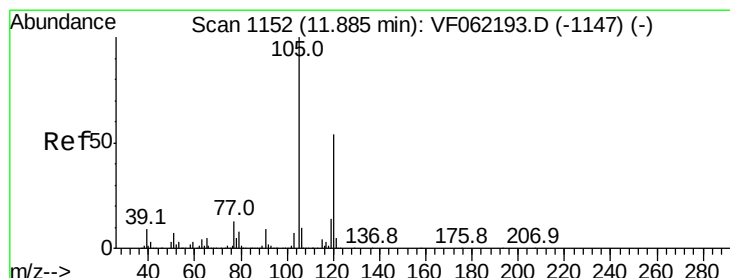
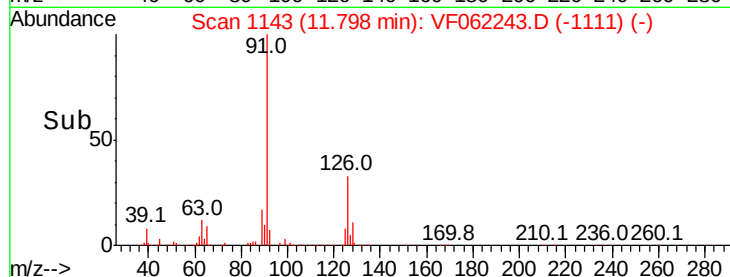
150000

100000

50000

0

Time--> 11.70 11.75 11.80 11.85



#80

1,3,5-Trimethylbenzene

Concen: 21.451 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062243.D

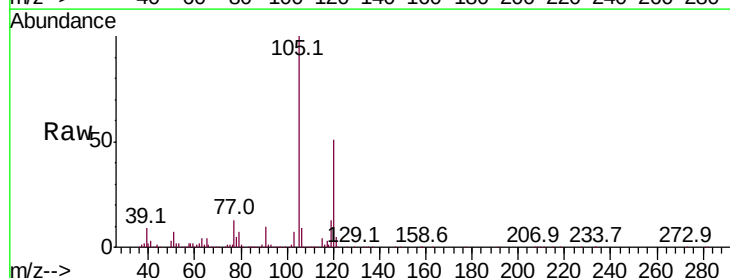
Acq: 22 Apr 2019 14:31

Tgt Ion:105 Resp: 386322

Ion Ratio Lower Upper

105 100

120 50.3 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.90

300000

250000

200000

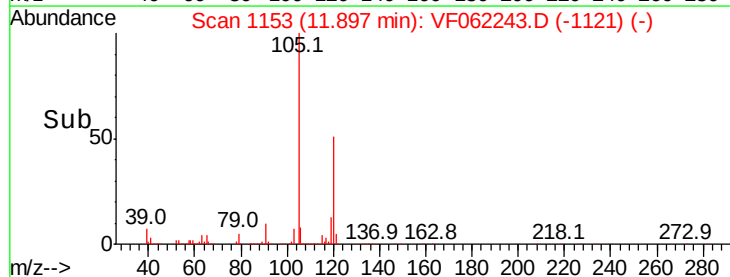
150000

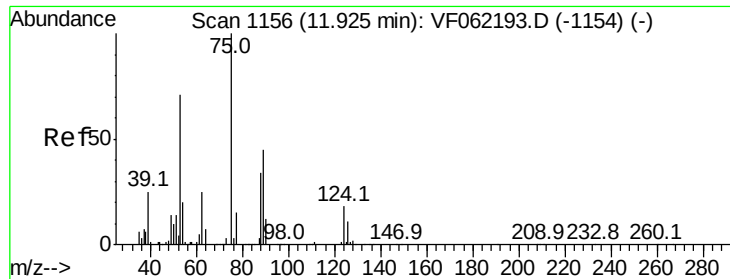
100000

50000

0

Time--> 11.80 11.90 12.00





#81

trans-1,4-Dichloro-2-butene

Concen: 18.289 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.02 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

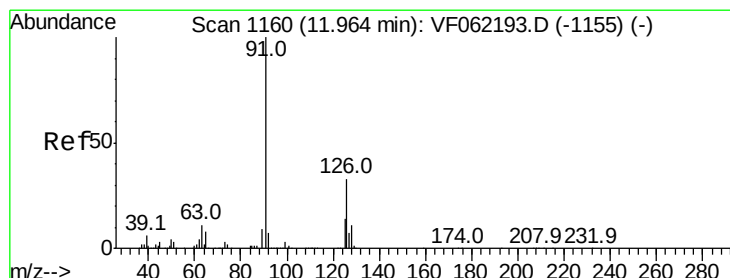
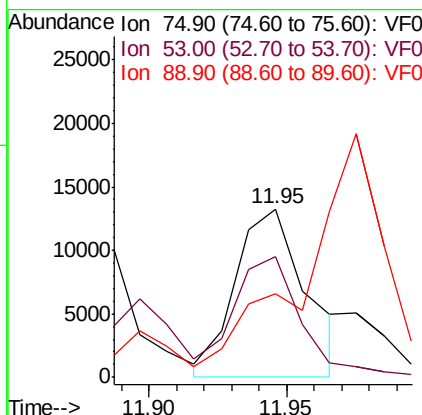
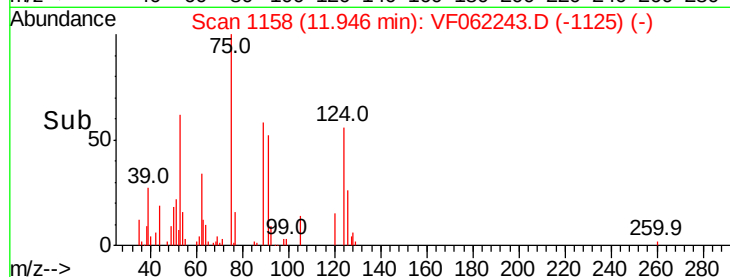
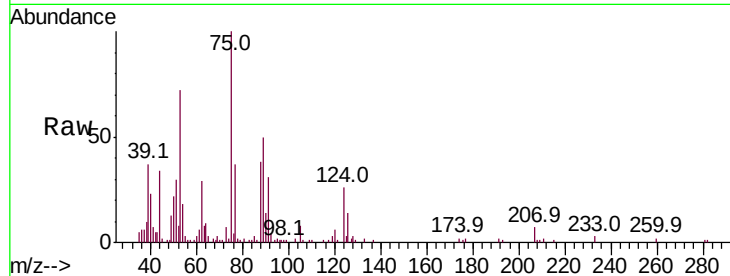
ClientSampleId :

VF0422SBS01

Tot Ion:	75	Resp:	23864
Ion	Ratio	Lower	Upper
75	100		
53	70.3	50.2	75.4
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.784 ug/l

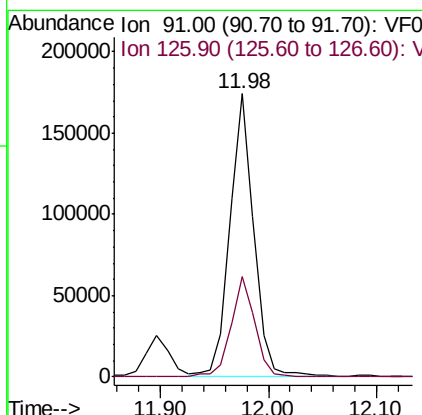
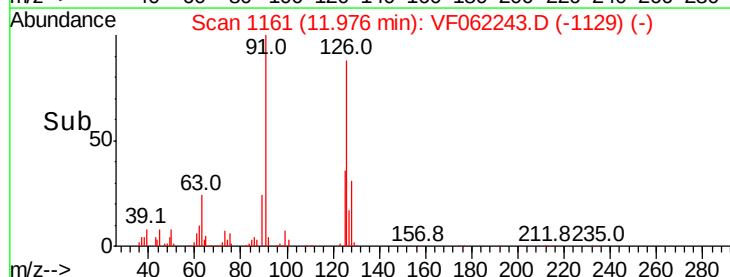
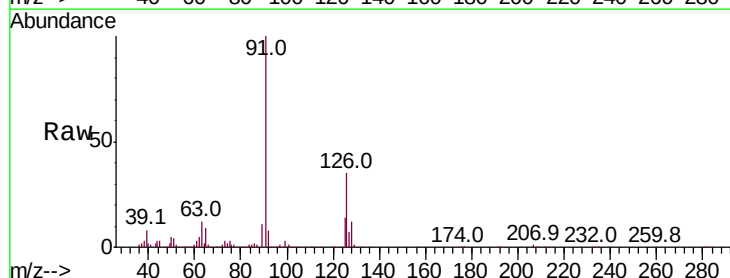
RT: 11.98 min Scan# 1161

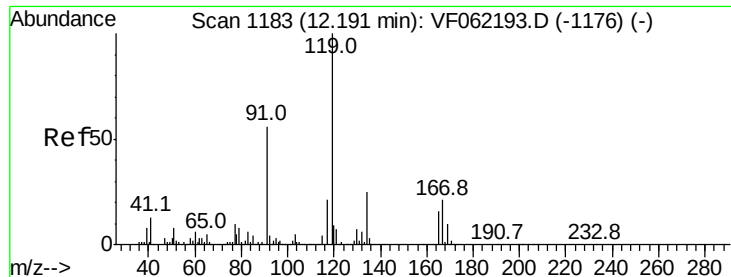
Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion:	91	Resp:	264561
Ion	Ratio	Lower	Upper
91	100		
126	36.5	16.9	50.6





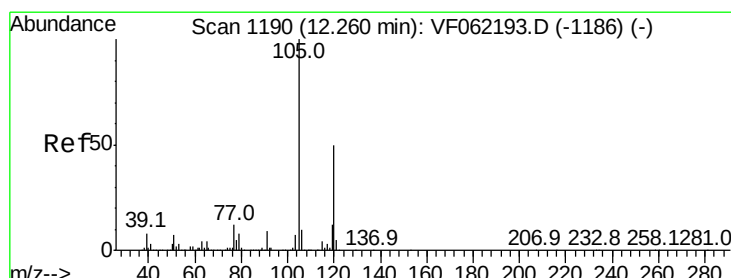
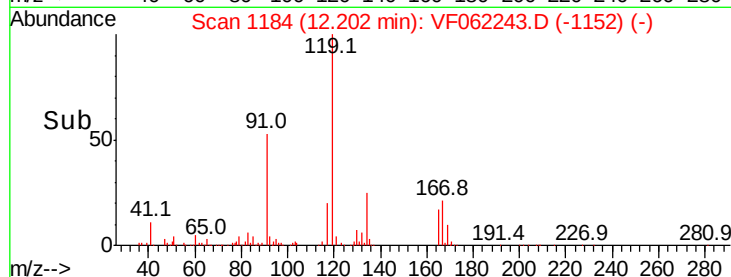
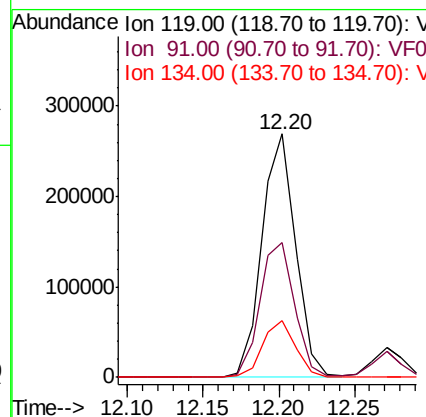
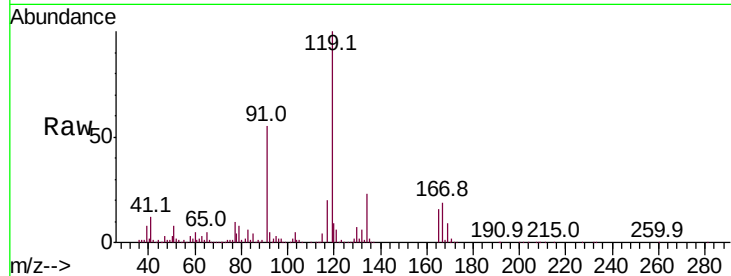
#83
 tert-Butylbenzene
 Concen: 22.612 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	421128		
91	57.0	29.4	88.2	
134	23.1	11.8	35.3	

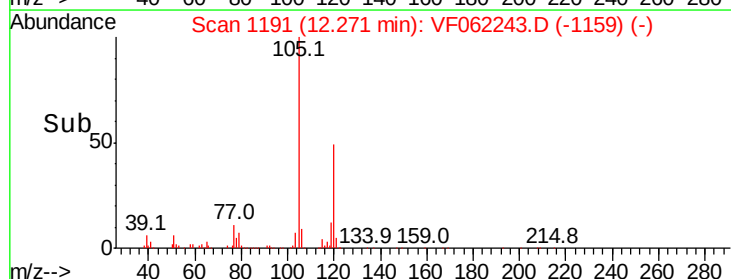
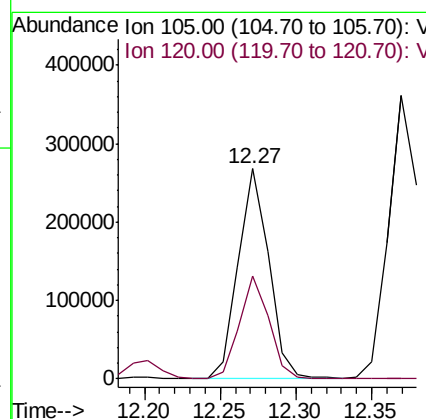
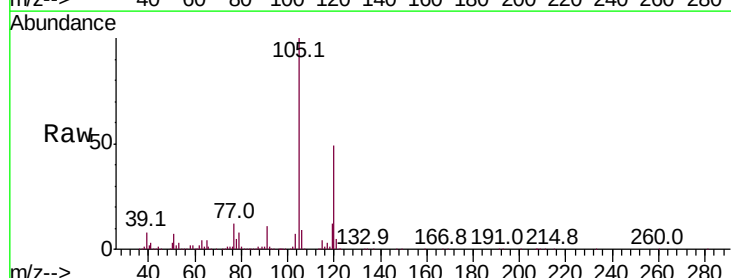
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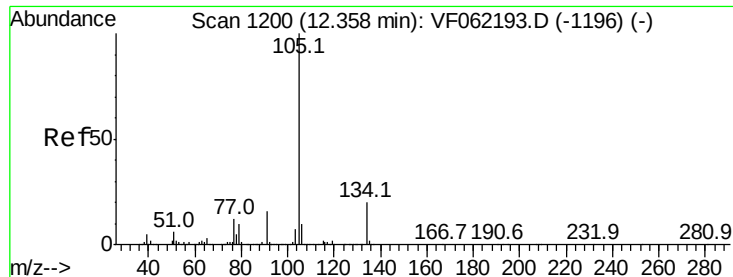
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.579 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	376072		
120	47.8	24.0	72.0	





#85

sec-Butylbenzene

Concen: 21.548 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion:105 Resp: 521006

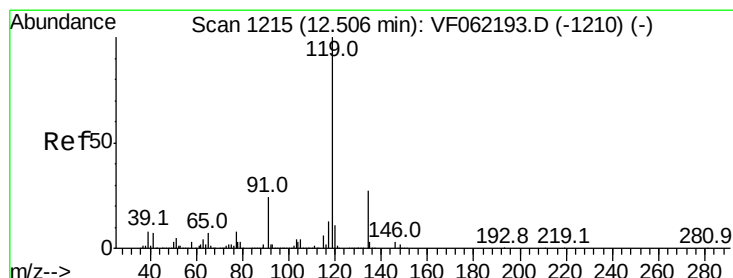
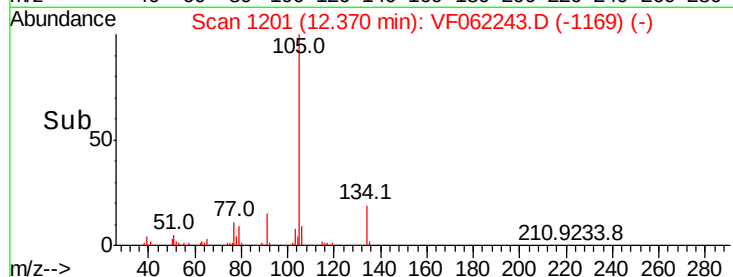
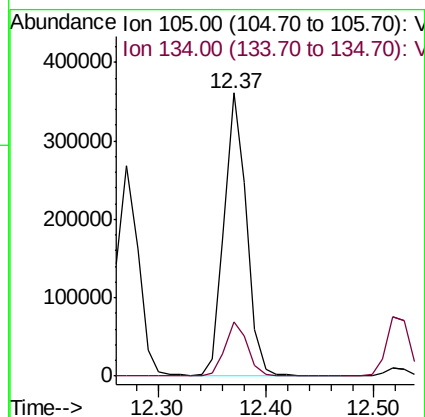
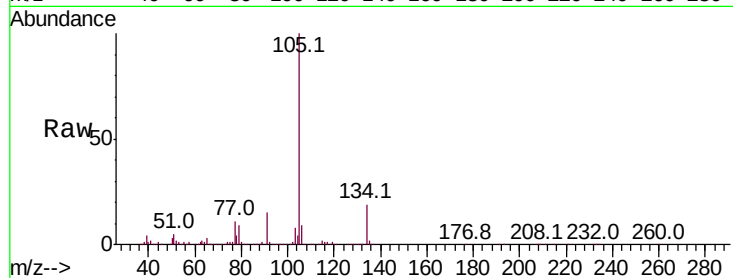
Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 22.250 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

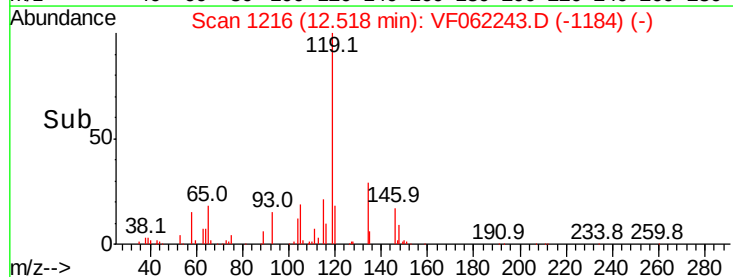
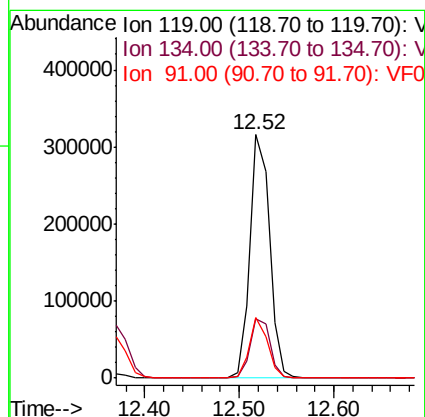
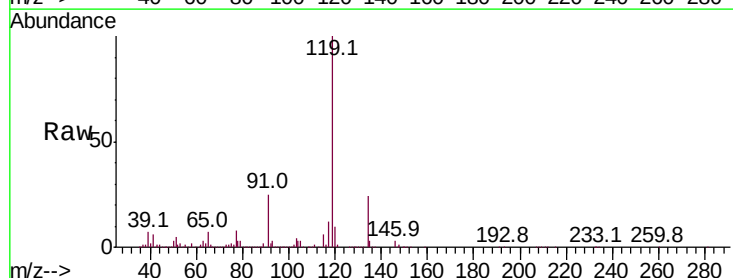
Tgt Ion:119 Resp: 456366

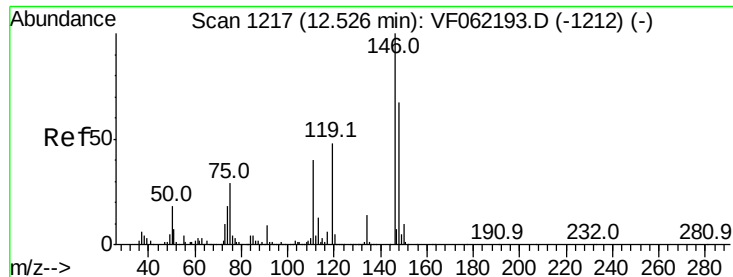
Ion Ratio Lower Upper

119 100

134 24.9 13.2 39.5

91 22.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 21.961 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

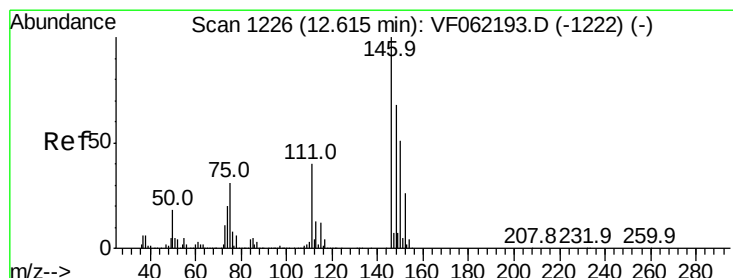
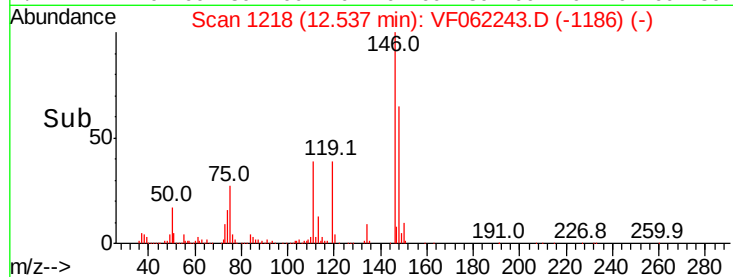
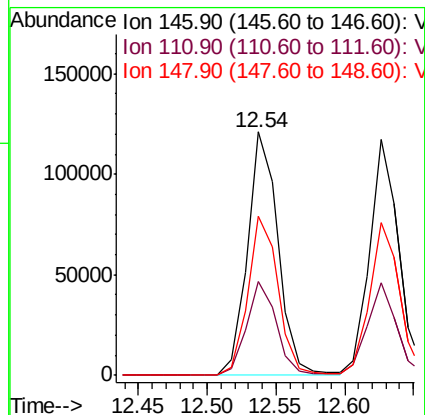
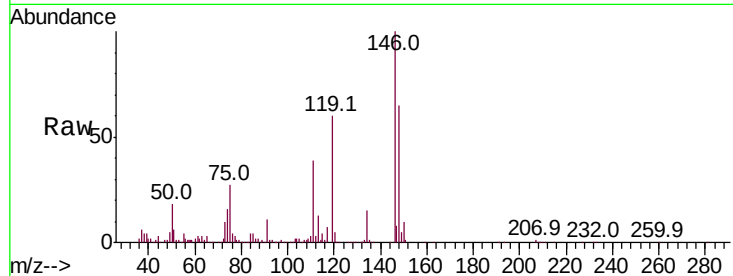
ClientSampleId :

VF0422SBS01

Tot Ion:	146	Resp:	188777
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.7	59.0
148	64.8	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 21.034 ug/l

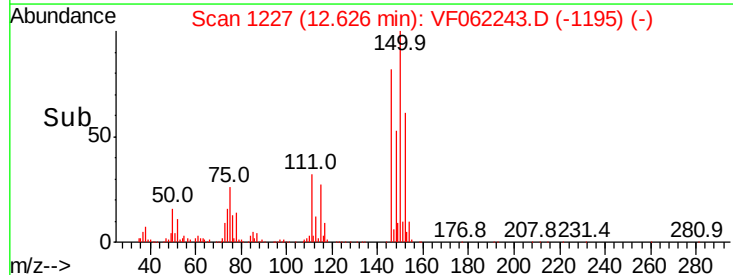
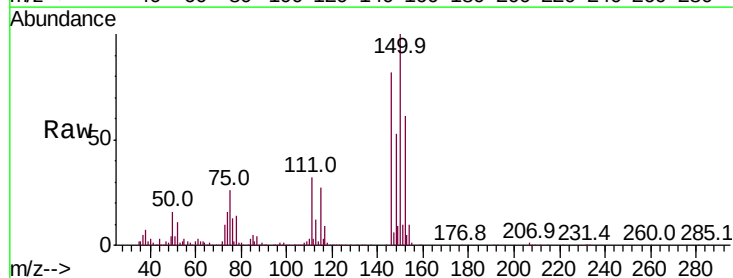
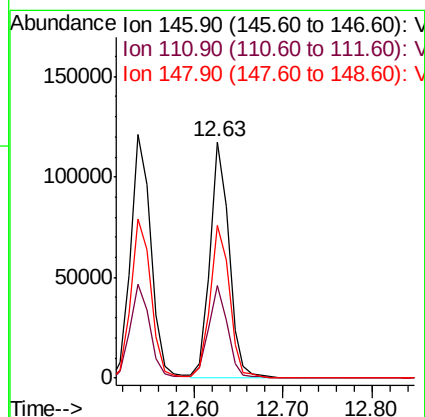
RT: 12.63 min Scan# 1227

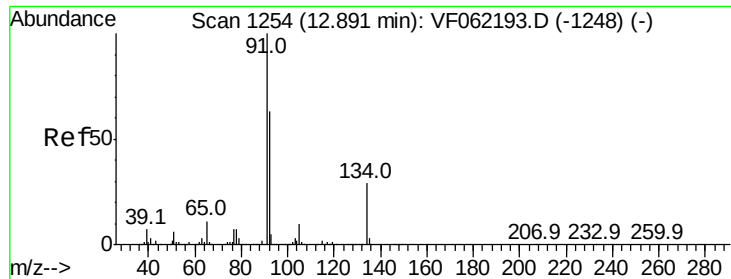
Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion:	146	Resp:	174401
Ion Ratio	Lower	Upper	
146	100		
111	39.1	20.0	60.0
148	66.6	33.6	100.8





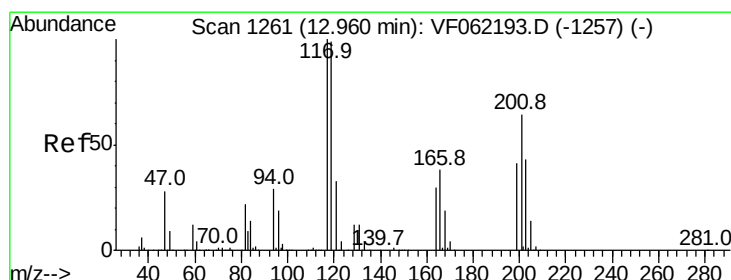
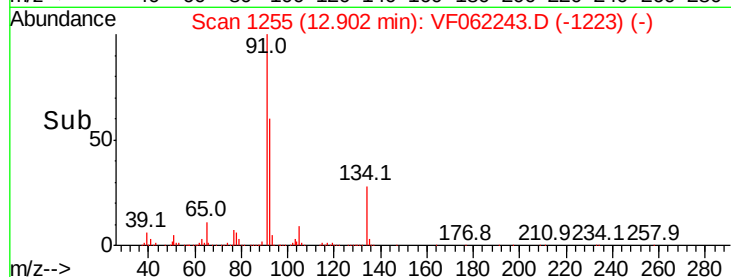
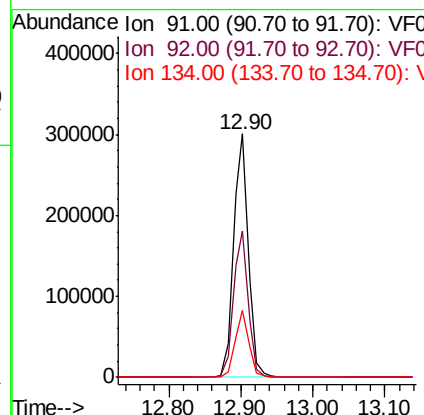
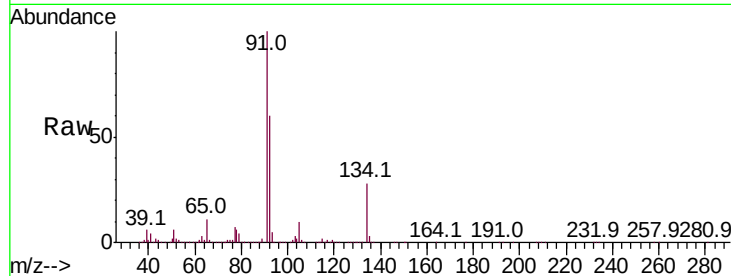
#89
n-Butylbenzene
Concen: 22.252 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	60.1	31.2	93.6	
134	26.1	13.1	39.1	

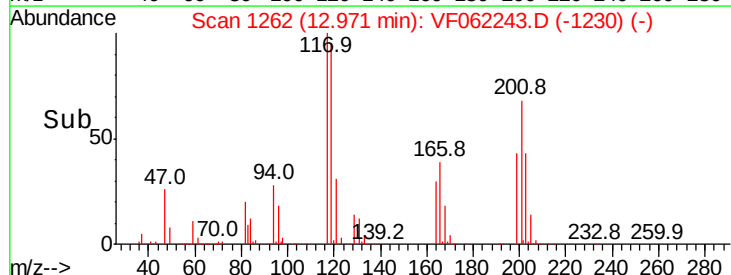
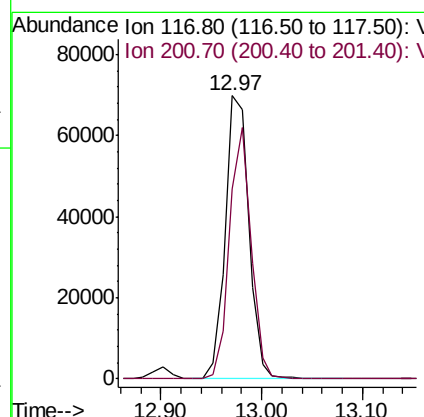
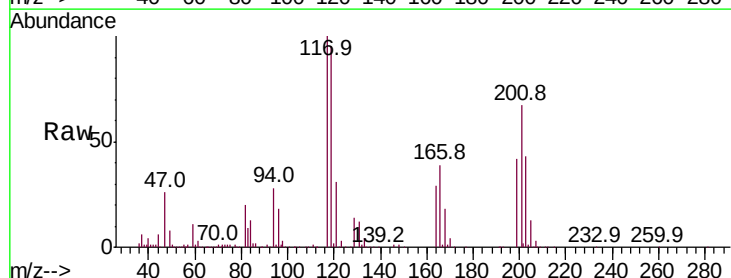
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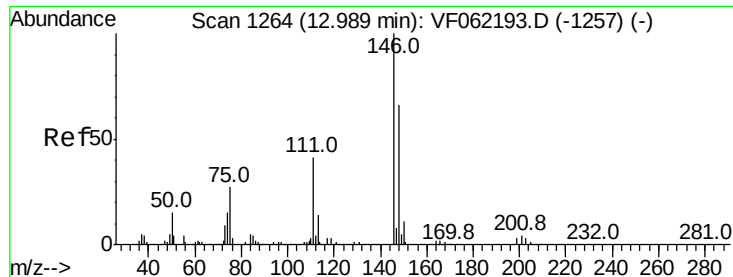
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#90
Hexachloroethane
Concen: 21.806 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.0	37.7	113.1	





#91

1,2-Dichlorobenzene

Concen: 21.732 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Instrument :

MSVOA_F

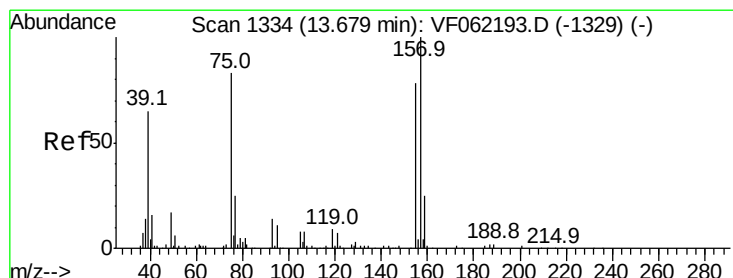
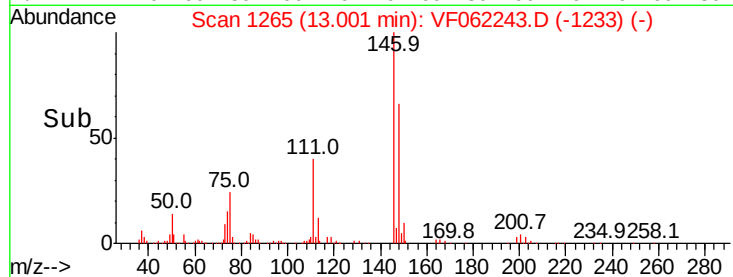
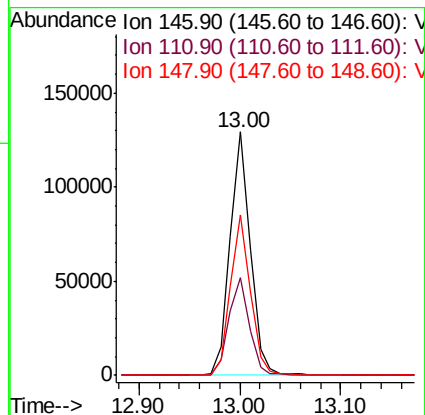
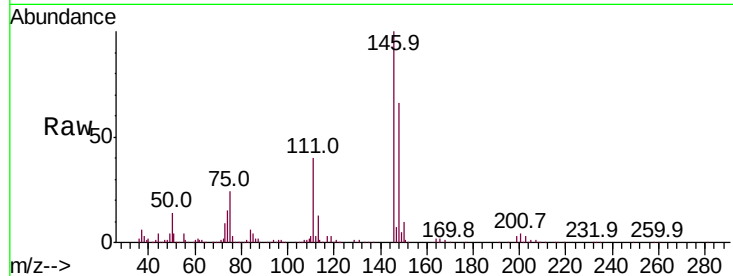
ClientSampleId :

VF0422SBS01

Tot Ion:	146	Resp:	180374
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.8	62.5
148	65.8	33.0	99.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.829 ug/l

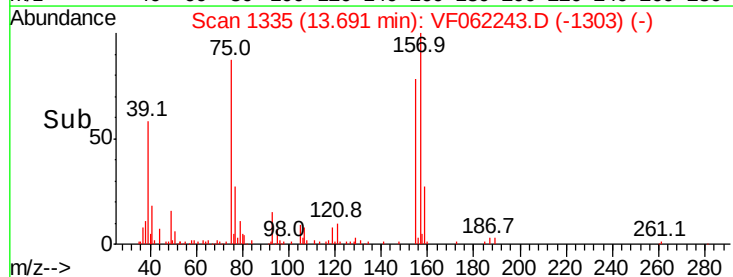
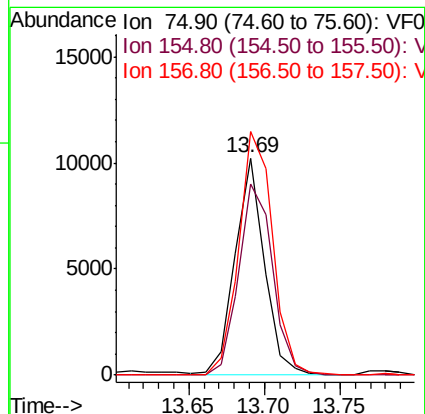
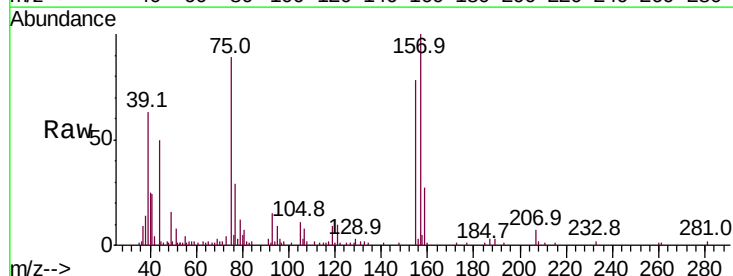
RT: 13.69 min Scan# 1335

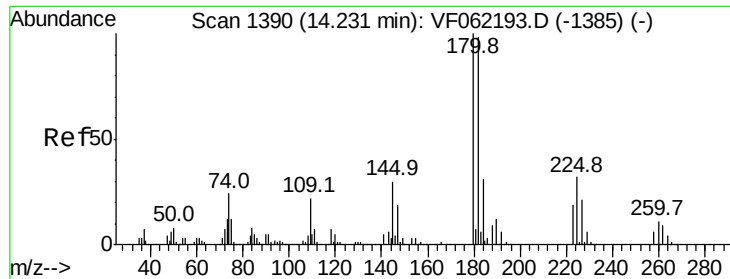
Delta R.T. 0.01 min

Lab File: VF062243.D

Acq: 22 Apr 2019 14:31

Tgt Ion:	75	Resp:	13757
Ion Ratio	Lower	Upper	
75	100		
155	102.0	47.6	142.8
157	129.6	61.3	183.9





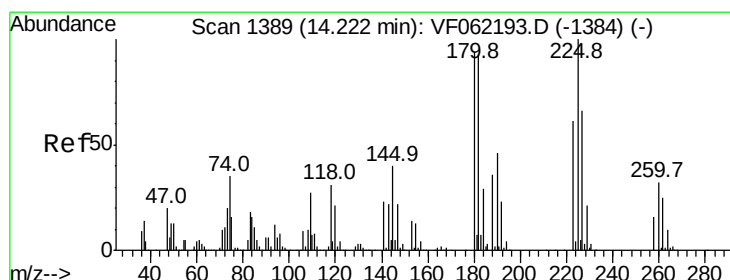
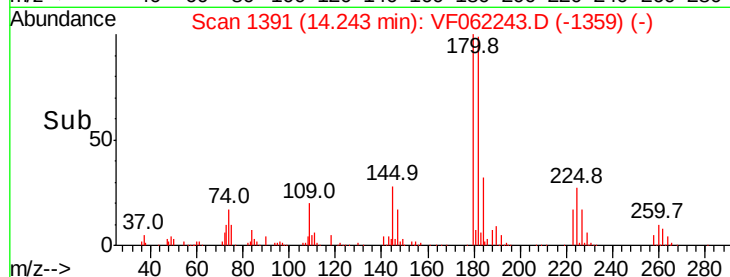
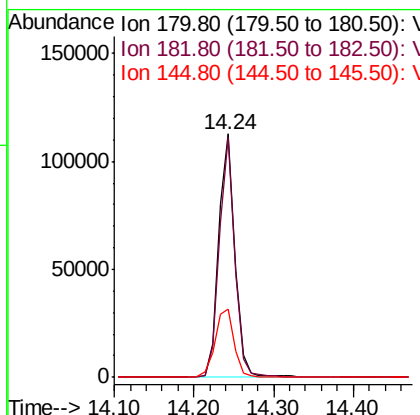
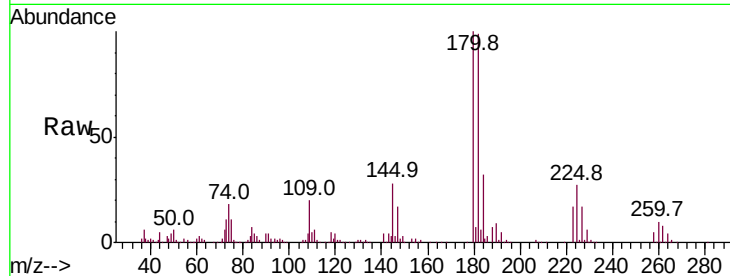
#93
 1,2,4-Trichlorobenzene
 Concen: 23.545 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	49.3	147.9	
145	32.9	18.1	54.4	

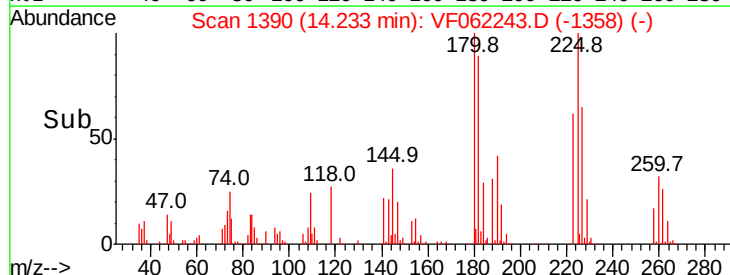
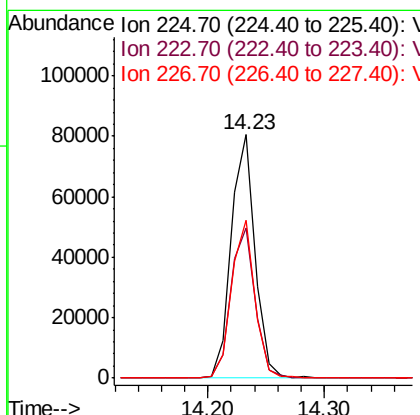
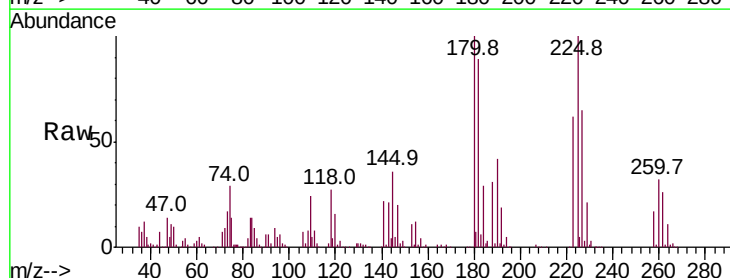
Manual Integrations
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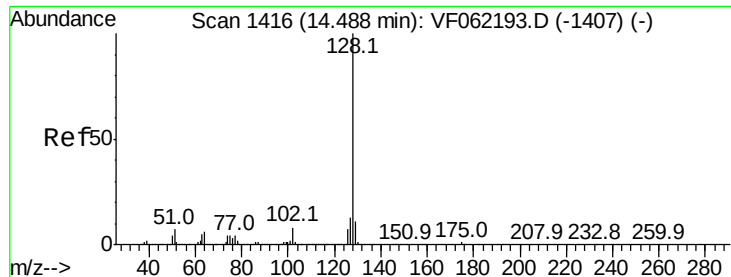
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#94
 Hexachlorobutadiene
 Concen: 23.816 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062243.D
 Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	31.0	93.0	
227	64.0	32.4	97.0	





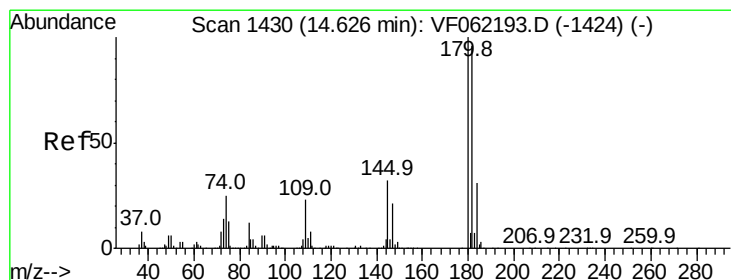
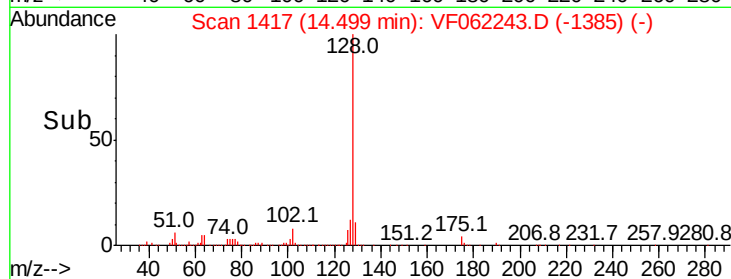
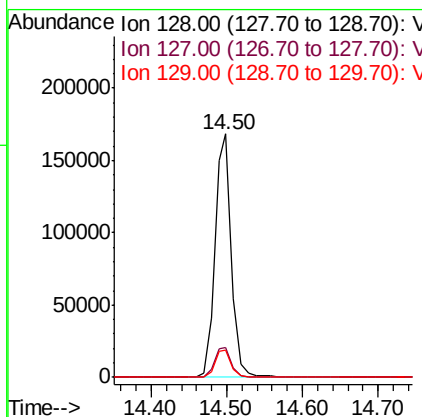
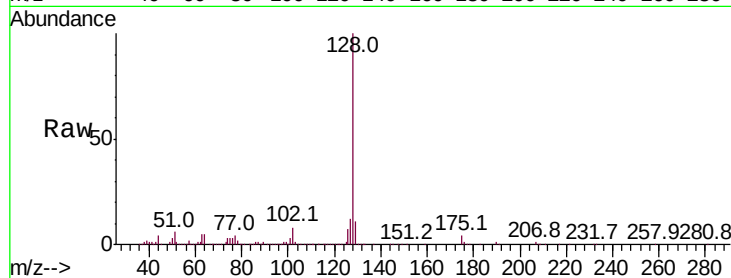
#95
Naphthalene
Concen: 21.283 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	258430		
127	12.7		10.4	15.6
129	11.2		9.2	13.8

Manual Integrations
APPROVED

MMDadoda
4/23/2019 9:22:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.990 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062243.D
Acq: 22 Apr 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	153274		
182	97.3		48.4	145.3
145	29.9		15.6	46.8

