

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062129.D
 Acq On : 25 Mar 2019 14:02
 Operator : VA/AP
 Sample : VF0325SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 3:59:18 PM

Quant Time: Mar 26 05:08:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	266574	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	408911	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	343816	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	181325	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	101180	51.03	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.06%	
35) Dibromofluoromethane	4.11	113	153206	55.39	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	110.78%	
50) Toluene-d8	7.55	98	451953	54.74	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	109.48%	
62) 4-Bromofluorobenzene	11.41	95	162833	51.08	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	74690	21.871	ug/l	94
3) Chloromethane	1.09	50	81028	22.676	ug/l	95
4) Vinyl Chloride	1.14	62	77098	23.326	ug/l	97
5) Bromomethane	1.31	94	48866	20.567	ug/l	93
6) Chloroethane	1.39	64	37740	22.682	ug/l	96
7) Trichlorofluoromethane	1.49	101	89437m	22.405	ug/l	
8) Diethyl Ether	1.63	74	17908	19.639	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	59937	22.009	ug/l	99
10) Methyl Iodide	1.91	142	112374m	21.714	ug/l	
11) Tert butyl alcohol	2.57	59	10320	94.594	ug/l #	80
12) 1,1-Dichloroethene	1.79	96	55188m	21.477	ug/l	
13) Acrolein	2.00	56	13627	103.872	ug/l #	70
14) Allyl chloride	2.10	41	68961	25.137	ug/l	98
15) Acrylonitrile	2.93	53	39273	102.370	ug/l	91
16) Acetone	2.23	43	45775	109.690	ug/l	92
17) Carbon Disulfide	1.80	76	174256m	22.239	ug/l	
18) Methyl Acetate	2.34	43	18069	18.152	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	84363	20.773	ug/l	95
20) Methylene Chloride	2.18	84	57756m	21.166	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	57507	23.260	ug/l	95
22) Diisopropyl ether	2.80	45	158840	22.083	ug/l	95
23) Vinyl Acetate	3.18	43	313925	106.598	ug/l	98
24) 1,1-Dichloroethane	2.87	63	92091	21.350	ug/l	99
25) 2-Butanone	4.33	43	85271	97.879	ug/l	93
26) 2,2-Dichloropropane	3.60	77	42669	24.398	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	67949	20.740	ug/l	96
28) Bromochloromethane	3.71	49	41008	23.269	ug/l	88
29) Tetrahydrofuran	4.07	42	35520	93.774	ug/l	96
30) Chloroform	3.85	83	102141	22.407	ug/l	98
31) Cyclohexane	3.68	56	97928m	21.738	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	65403	23.586	ug/l	99
36) 1,1-Dichloropropene	4.28	75	83085	21.332	ug/l	97
37) Ethyl Acetate	4.10	43	31565	18.544	ug/l #	59
38) Carbon Tetrachloride	3.98	117	60901	22.941	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	100752	22.288	ug/l	96
40) Benzene	4.63	78	216971	20.780	ug/l	100
41) Methacrylonitrile	4.74	41	18051	20.043	ug/l	93
42) 1,2-Dichloroethane	4.94	62	50994	20.653	ug/l	95
43) Isopropyl Acetate	6.96	43	36593	17.751	ug/l #	99
44) Trichloroethene	5.50	130	70080	21.953	ug/l	96
45) 1,2-Dichloropropane	6.23	63	50303	20.199	ug/l	91
46) Dibromomethane	6.08	93	30350	19.932	ug/l	92
47) Bromodichloromethane	6.38	83	70922	21.028	ug/l	96
48) Methyl methacrylate	6.71	41	22869	19.484	ug/l	91
49) 1,4-Dioxane	6.70	88	4324	419.849	ug/l #	83
51) 4-Methyl-2-Pentanone	8.25	43	139612	101.188	ug/l	96
52) Toluene	7.62	92	126054	20.843	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	54822	20.706	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	79548	20.998	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	32667	19.016	ug/l	99
56) Ethyl methacrylate	8.61	69	41229	20.124	ug/l	98
57) 1,3-Dichloropropane	8.84	76	56032	19.653	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.29	63	31050	99.879	ug/l	90
59) 2-Hexanone	9.48	43	98278	97.188	ug/l	99
60) Dibromochloromethane	8.71	129	49348	20.664	ug/l	93
61) 1,2-Dibromoethane	8.98	107	36307	19.810	ug/l	93
64) Tetrachloroethene	8.15	164	57050	21.478	ug/l	94
65) Chlorobenzene	9.79	112	131517	20.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	56973	22.048	ug/l	97
67) Ethyl Benzene	9.90	91	252579	22.577	ug/l	100
68) m/p-Xylenes	10.12	106	179958	43.037	ug/l	97
69) o-Xylene	10.71	106	97896	22.353	ug/l	98
70) Styrene	10.78	104	144916	21.839	ug/l	97
71) Bromoform	10.76	173	24919	18.854	ug/l #	94
73) Isopropylbenzene	11.12	105	285030	22.339	ug/l	99
74) N-amyl acetate	11.37	43	62497	20.557	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	45097	20.585	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	29207	18.944	ug/l	100
77) Bromobenzene	11.49	156	62011	19.893	ug/l	97
78) n-propylbenzene	11.59	91	317204	21.410	ug/l	97
79) 2-Chlorotoluene	11.71	91	176124	21.387	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	227104	21.639	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	11457m	18.237	ug/l	
82) 4-Chlorotoluene	11.90	91	179636	21.275	ug/l	98
83) tert-Butylbenzene	12.12	119	242657	22.087	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	226128	21.979	ug/l	97
85) sec-Butylbenzene	12.30	105	316845	22.293	ug/l	100
86) p-Isopropyltoluene	12.45	119	276477	22.453	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	125949	21.747	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	118647	20.995	ug/l	97
89) n-Butylbenzene	12.83	91	271723	23.130	ug/l	95
90) Hexachloroethane	12.91	117	62946	21.469	ug/l	83
91) 1,2-Dichlorobenzene	12.93	146	114575	21.069	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	6416	19.329	ug/l	76

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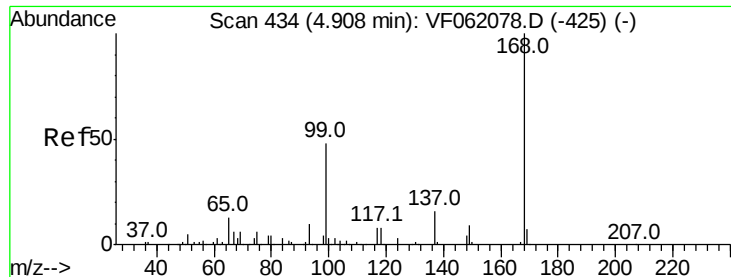
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	82494	21.765	ug/l	97
94) Hexachlorobutadiene	14.19	225	55442	22.000	ug/l	97
95) Naphthalene	14.45	128	131839	19.850	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	72538	20.446	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

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Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion:168 Resp: 266574

Ion Ratio Lower Upper

168 100

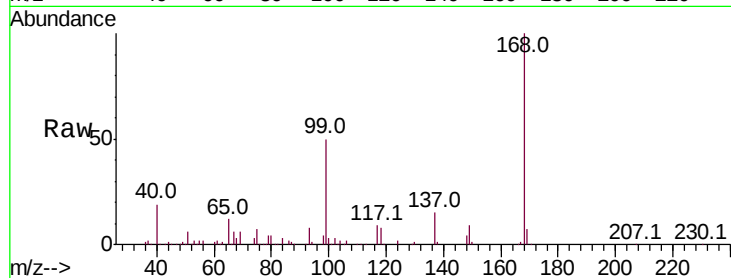
99 49.8 38.2 57.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

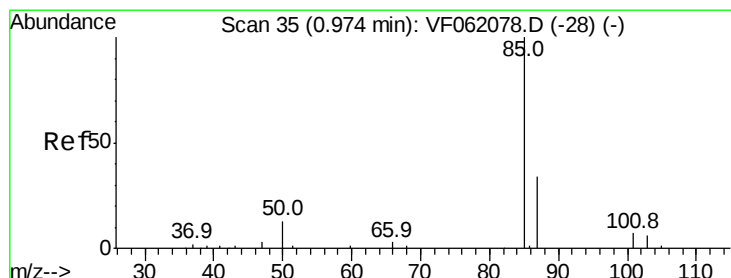
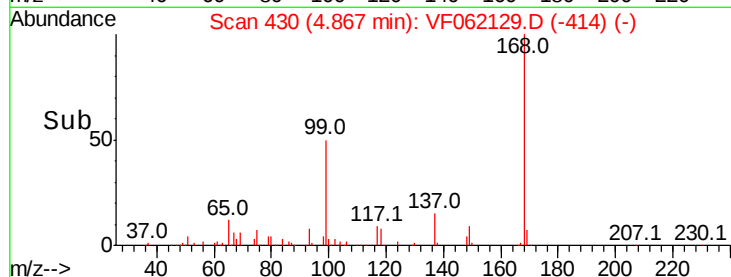
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.871 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062129.D

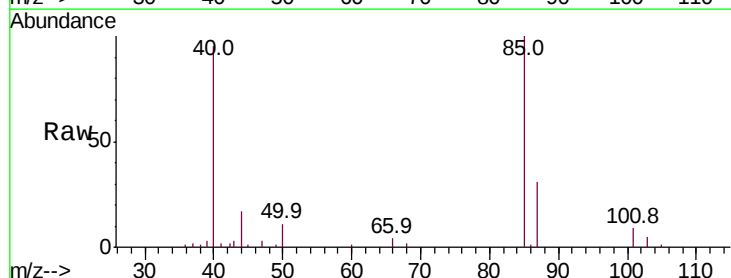
Acq: 25 Mar 2019 14:02

Tgt Ion: 85 Resp: 74690

Ion Ratio Lower Upper

85 100

87 30.7 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

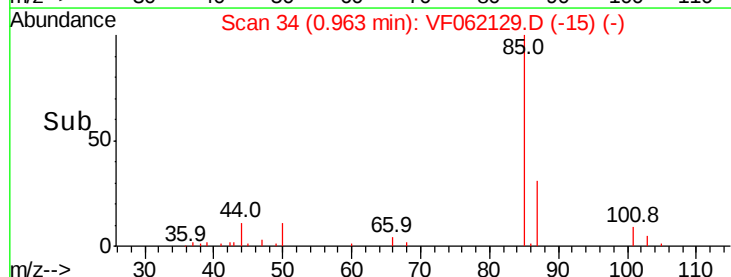
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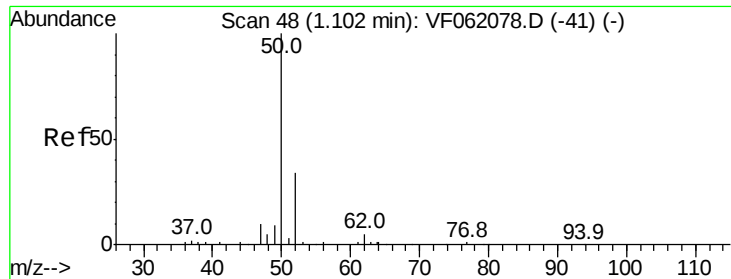
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.676 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 50 Resp: 81028

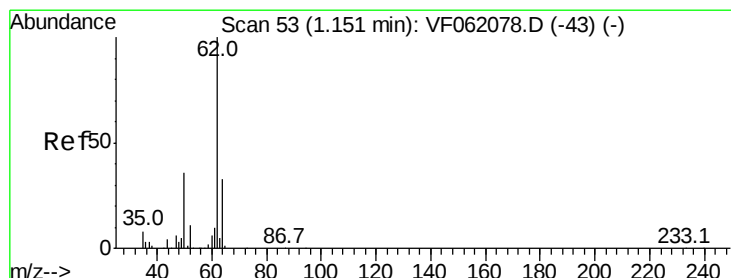
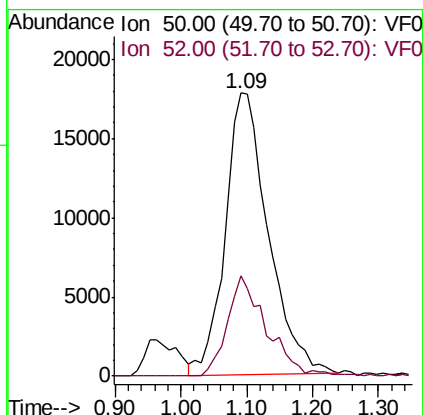
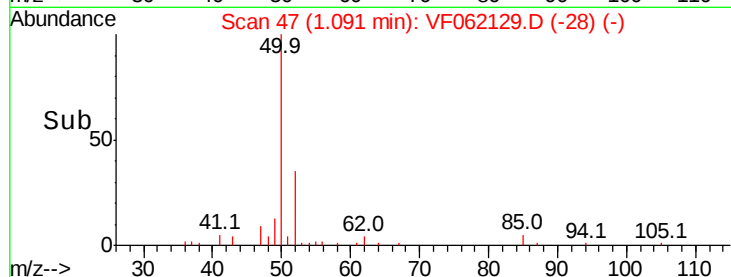
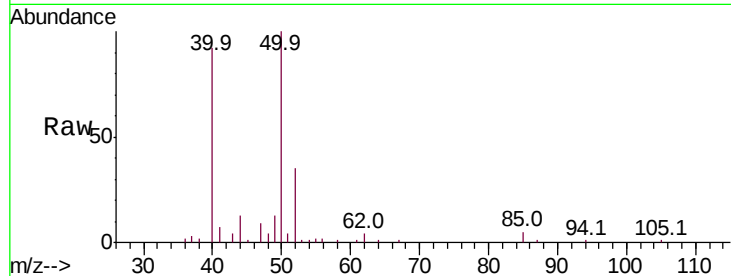
Ion Ratio Lower Upper

50 100

52 35.3 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 23.326 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062129.D

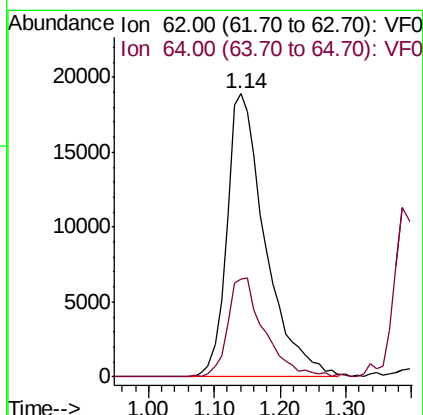
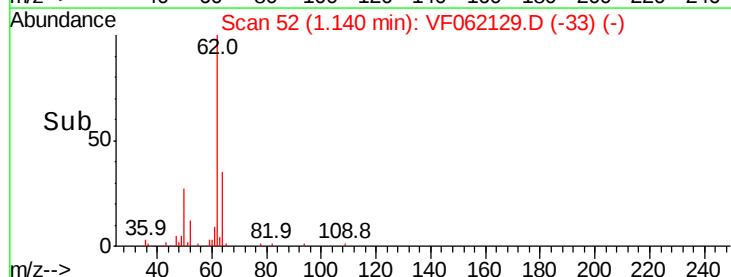
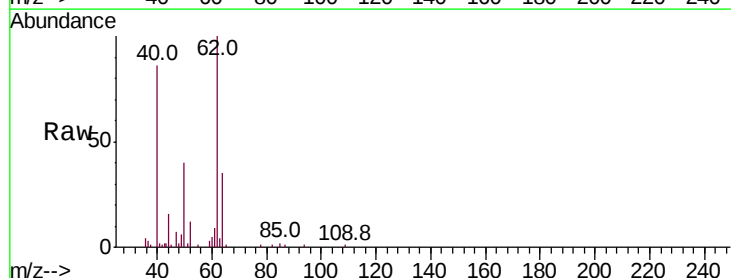
Acq: 25 Mar 2019 14:02

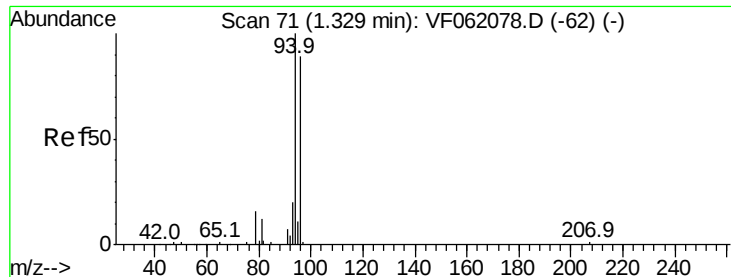
Tgt Ion: 62 Resp: 77098

Ion Ratio Lower Upper

62 100

64 34.6 26.2 39.2





#5

Bromomethane

Concen: 20.567 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 94 Resp: 48866

Ion Ratio Lower Upper

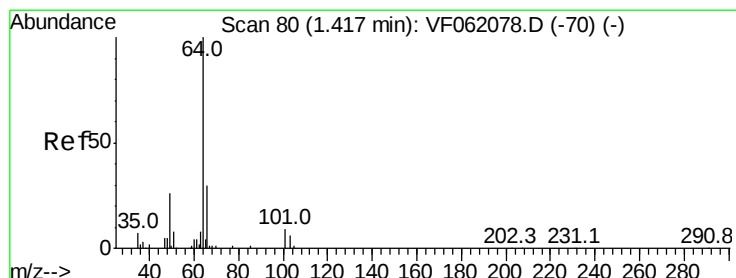
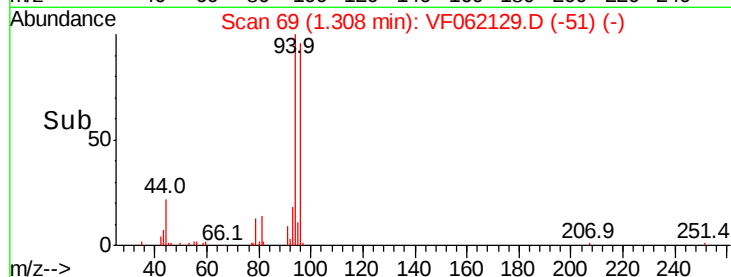
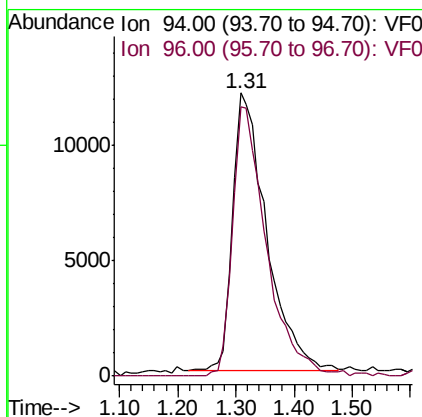
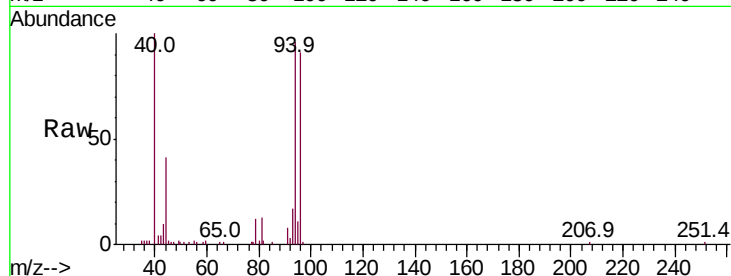
94 100

96 95.0 70.9 106.3

Manual Integrations
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#6

Chloroethane

Concen: 22.682 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.03 min

Lab File: VF062129.D

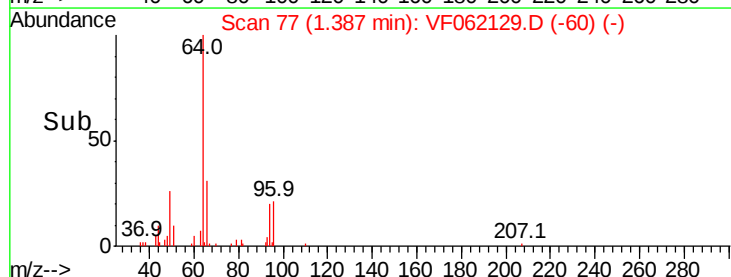
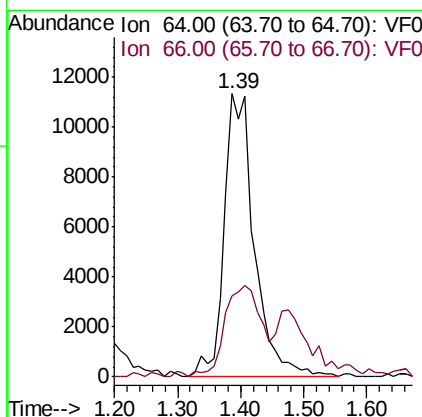
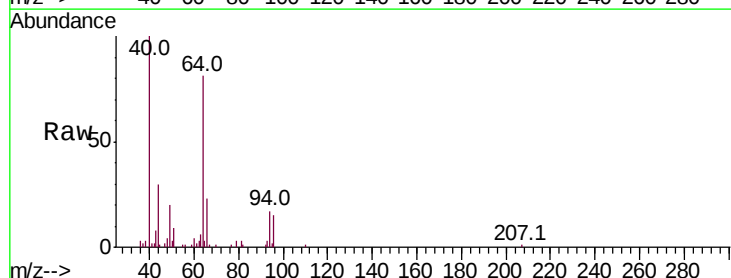
Acq: 25 Mar 2019 14:02

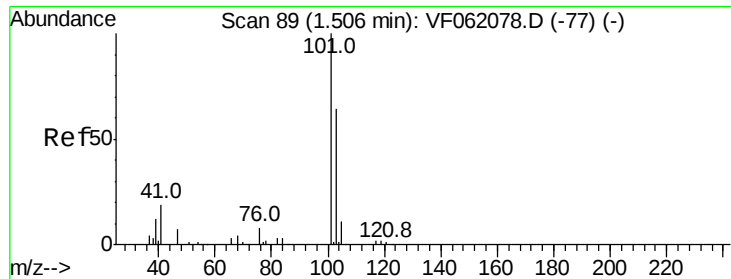
Tgt Ion: 64 Resp: 37740

Ion Ratio Lower Upper

64 100

66 28.6 24.5 36.7





#7

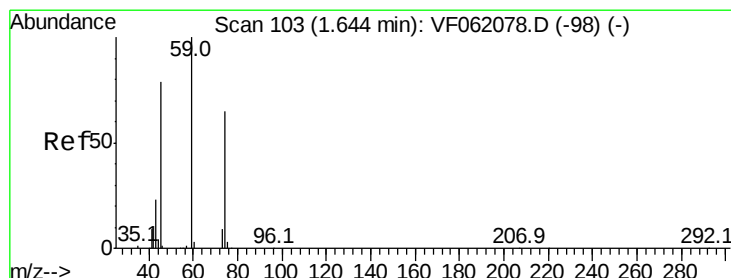
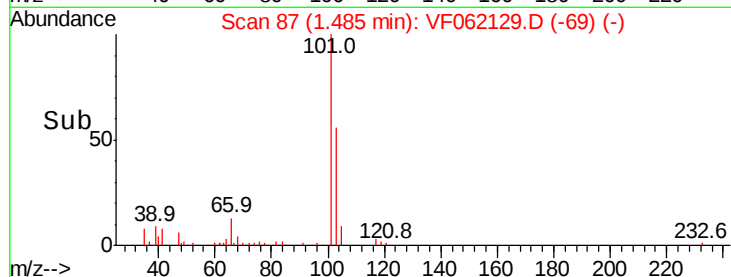
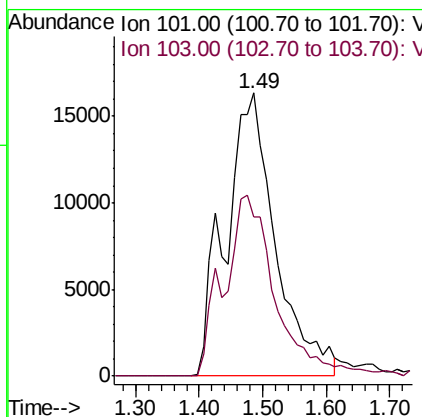
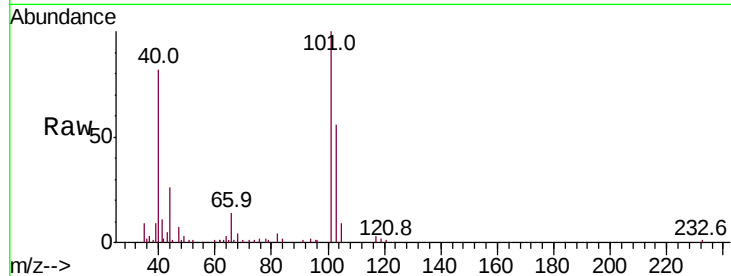
Trichlorofluoromethane
Concen: 22.405 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.02 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

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ClientSampleId :
VF0325SBS01

Tot Ion:101 Resp: 89437
Ion Ratio Lower Upper
101 100
103 56.1 51.5 77.3

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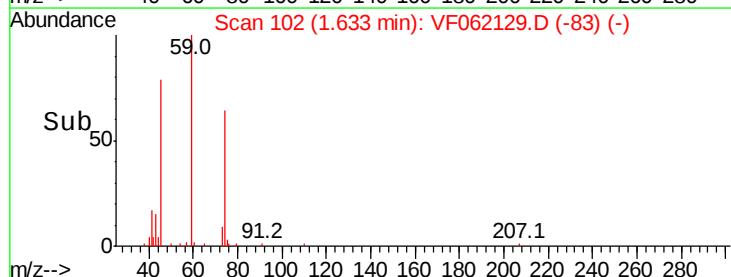
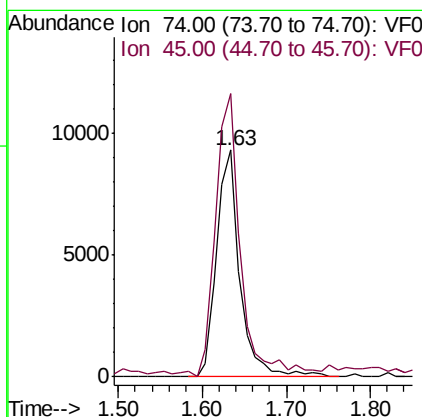
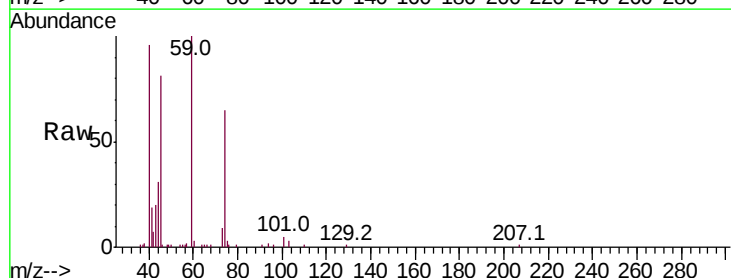
MMDadoda
3/26/2019 3:59:18 PM

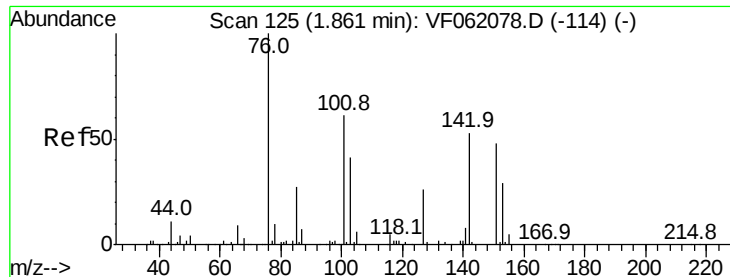


#8

Diethyl Ether
Concen: 19.639 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion: 74 Resp: 17908
Ion Ratio Lower Upper
74 100
45 124.8 61.4 184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.009 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

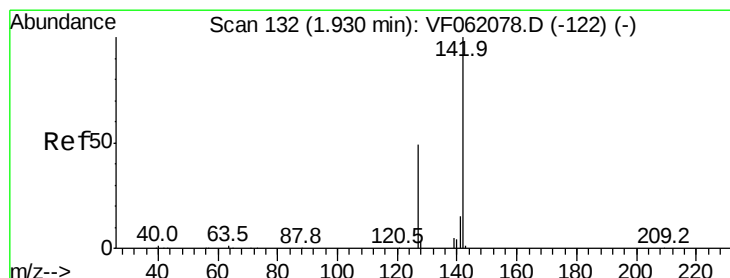
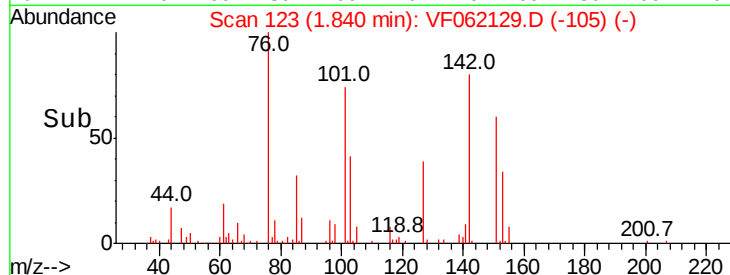
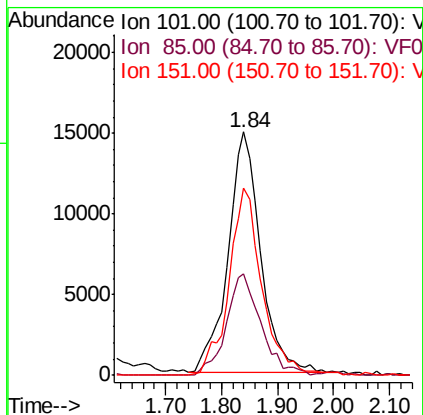
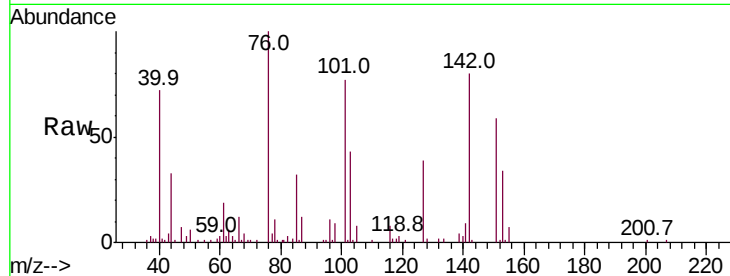
ClientSampleId :

VF0325SBS01

Tot Ion:	101	Resp:	59937
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.6	52.0
151	77.0	61.7	92.5

Manual Integrations
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#10

Methyl Iodide

Concen: 21.714 ug/l m

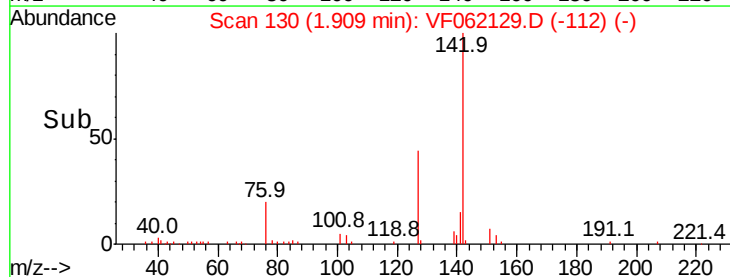
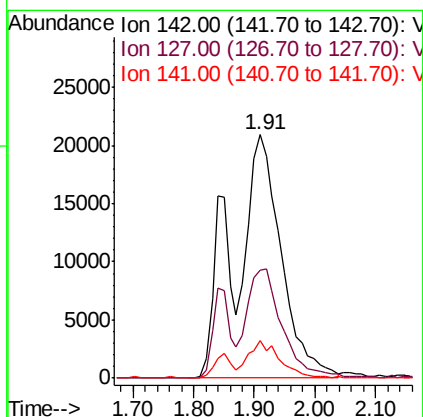
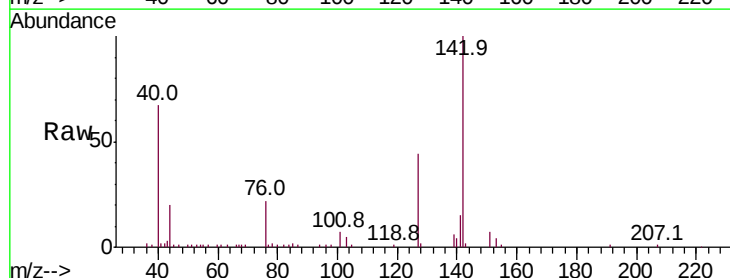
RT: 1.91 min Scan# 130

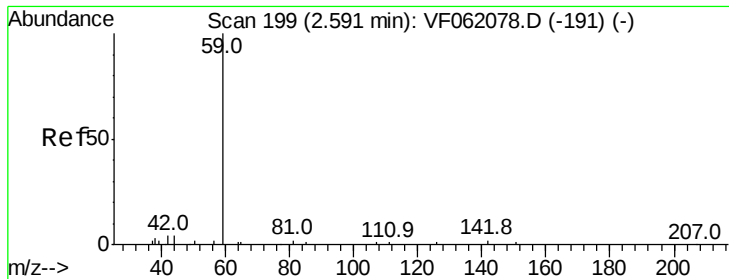
Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion:	142	Resp:	112374
Ion Ratio	Lower	Upper	
142	100		
127	44.4	39.1	58.7
141	15.4	12.2	18.4





#11

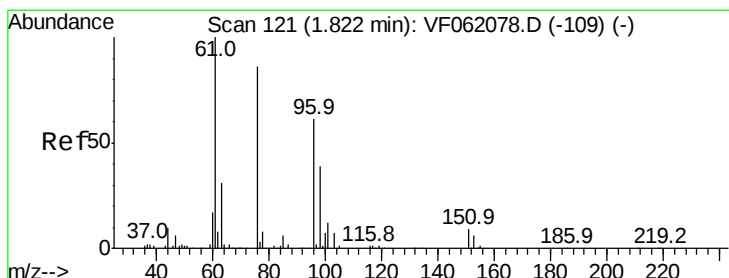
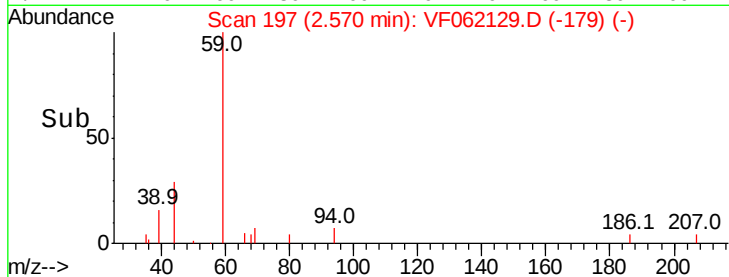
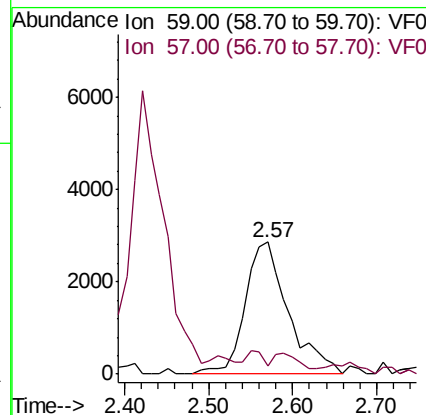
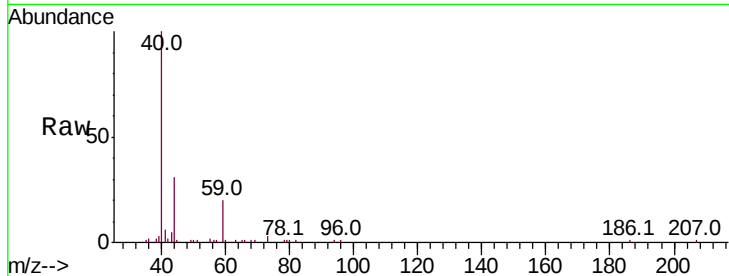
Tert butyl alcohol
Concen: 94.594 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.02 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	11.0	16.4#

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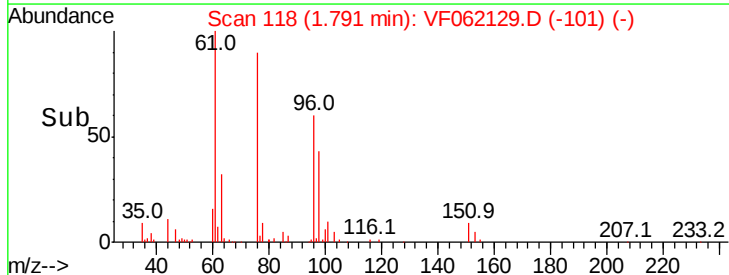
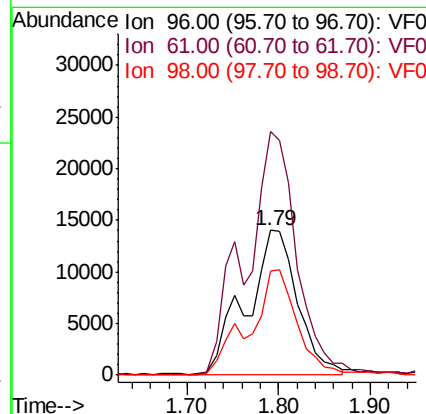
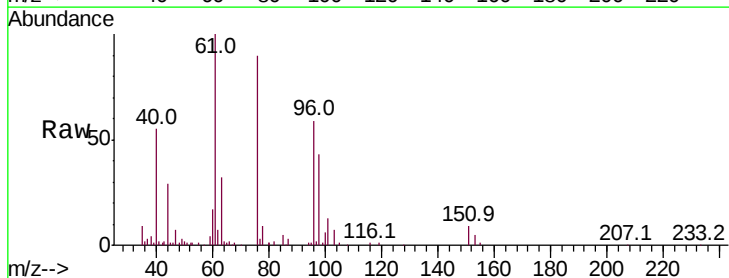
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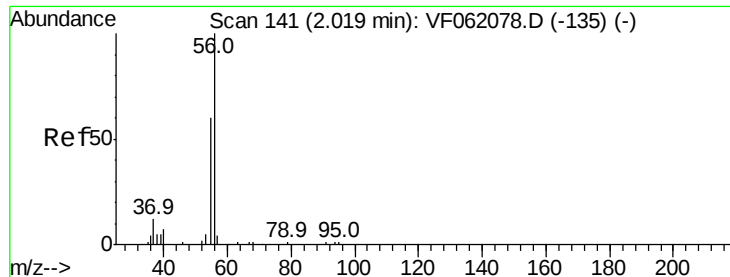


#12

1,1-Dichloroethene
Concen: 21.477 ug/l m
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	131.0	196.6
98	72.3	51.5	77.3





#13

Acrolein

Concen: 103.872 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 56 Resp: 13627

Ion Ratio Lower Upper

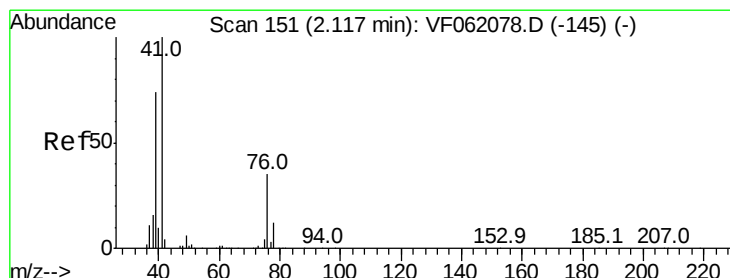
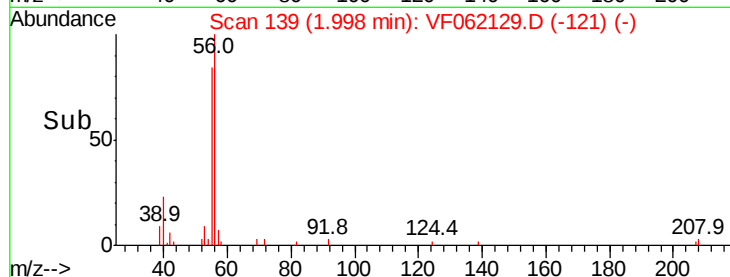
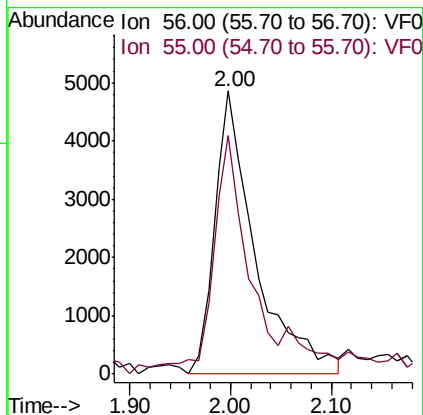
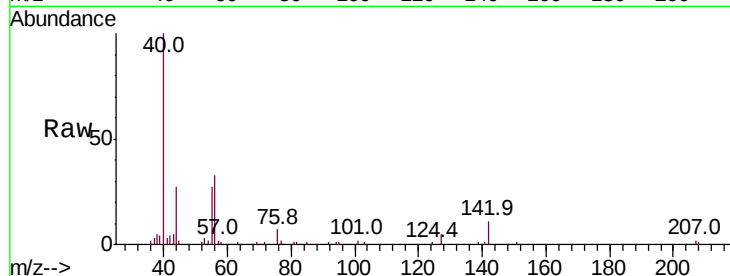
56 100

55 84.2 49.0 73.4#

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#14

Allyl chloride

Concen: 25.137 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

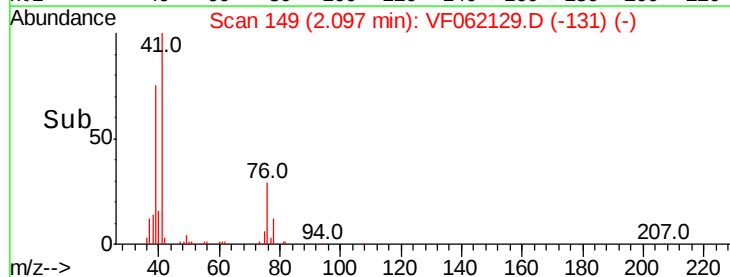
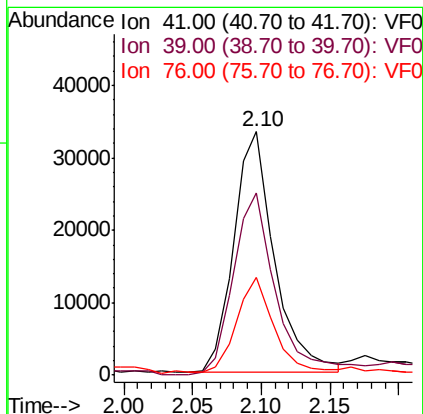
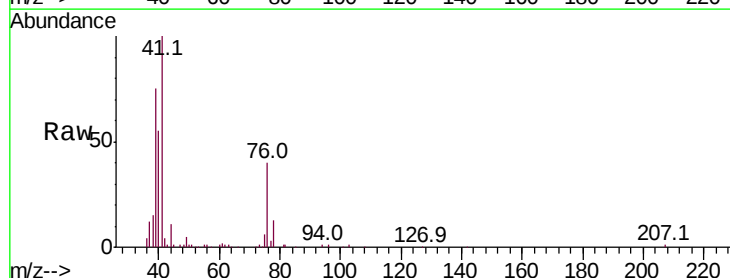
Tgt Ion: 41 Resp: 68961

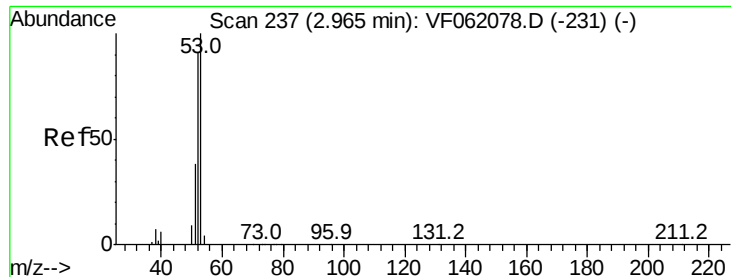
Ion Ratio Lower Upper

41 100

39 75.0 59.8 89.8

76 39.9 30.0 45.0





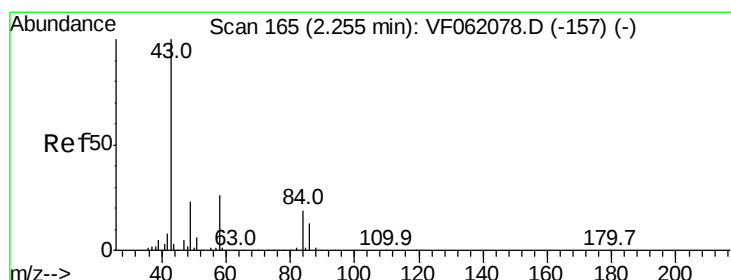
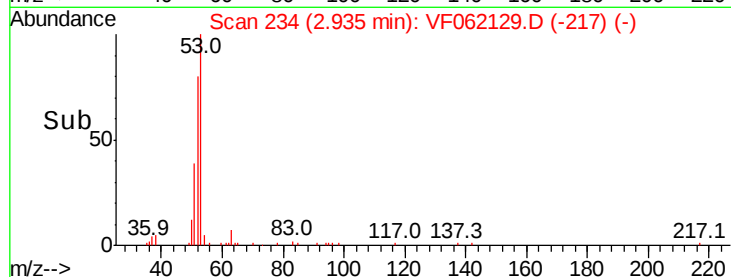
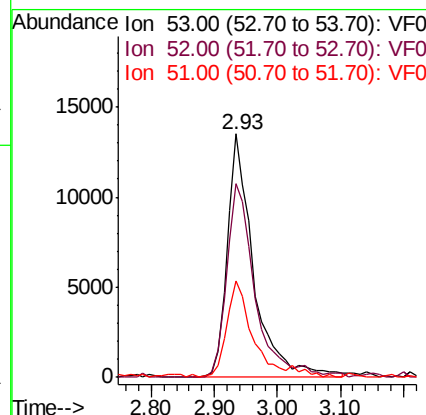
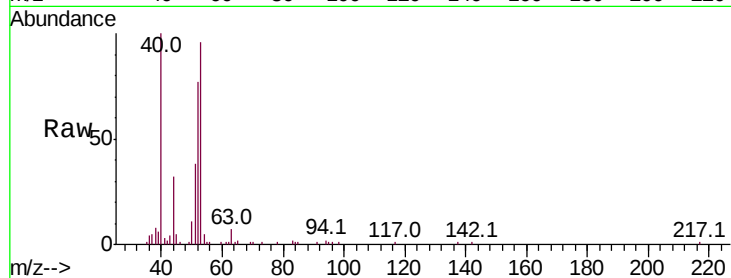
#15
 Acrylonitrile
 Concen: 102.370 ug/l
 RT: 2.93 min Scan# 234
 Delta R.T. -0.03 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBS01

Tot Ion	53	Ratio	100	Resp:	39273
Ion	53	Ratio	100	Lower	Upper
	52	79.8		72.3	108.5
	51	39.5		30.4	45.6

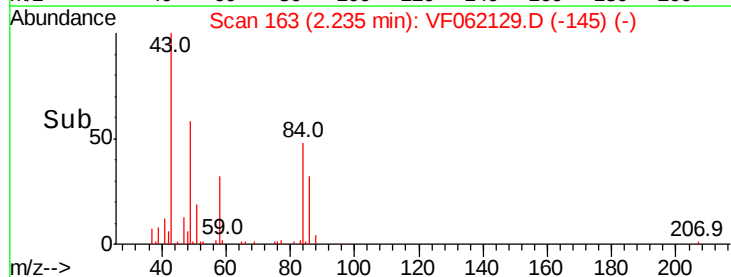
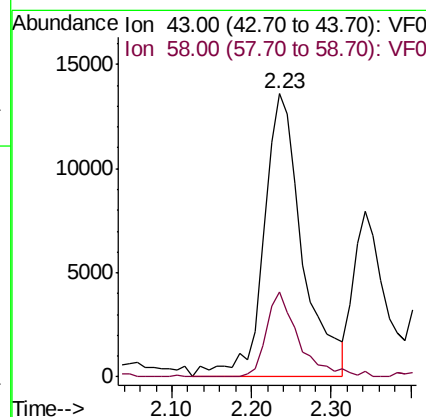
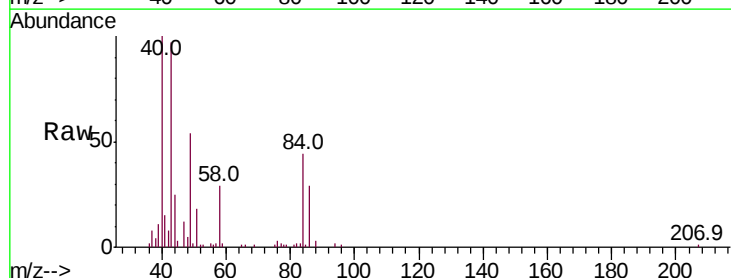
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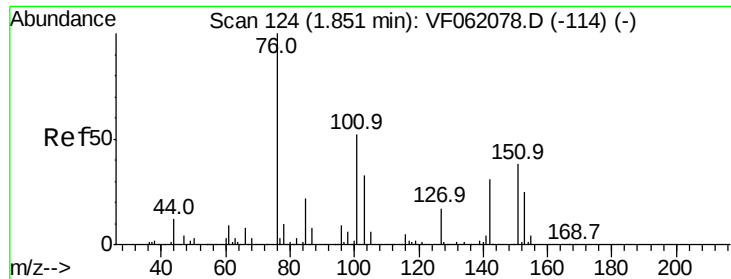
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#16
 Acetone
 Concen: 109.690 ug/l
 RT: 2.23 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Tgt Ion	43	Ratio	100	Resp:	45775
Ion	43	Ratio	100	Lower	Upper
	58	30.1		20.8	31.2





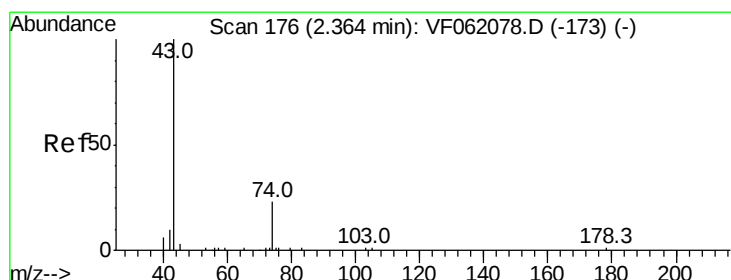
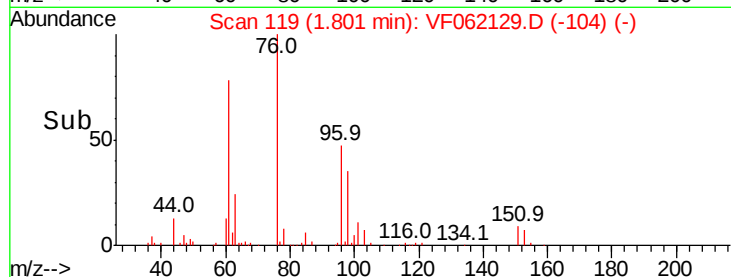
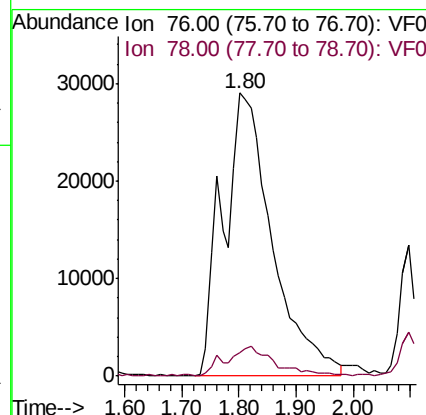
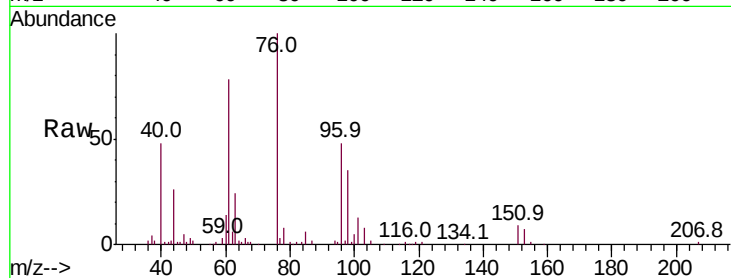
#17
Carbon Disulfide
Concen: 22.239 ug/l m
RT: 1.80 min Scan# 119
Delta R.T. -0.05 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion: 76 Resp: 174256
Ion Ratio Lower Upper
76 100
78 8.5 7.9 11.9

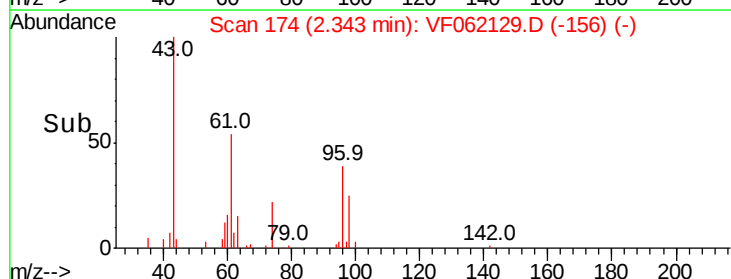
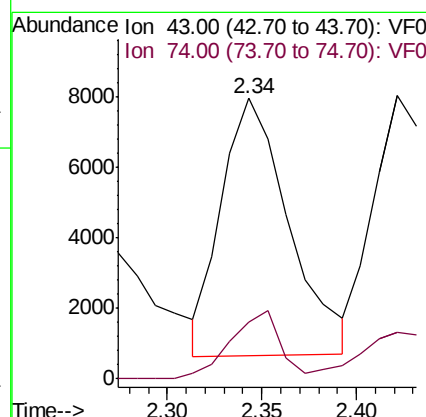
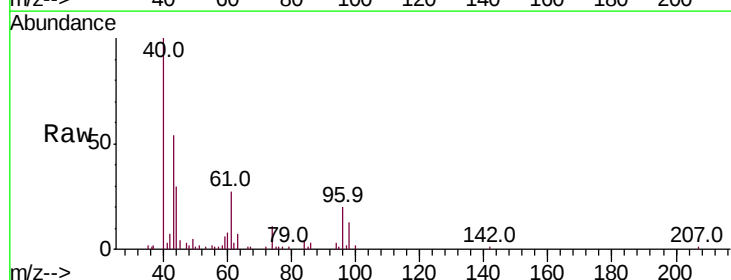
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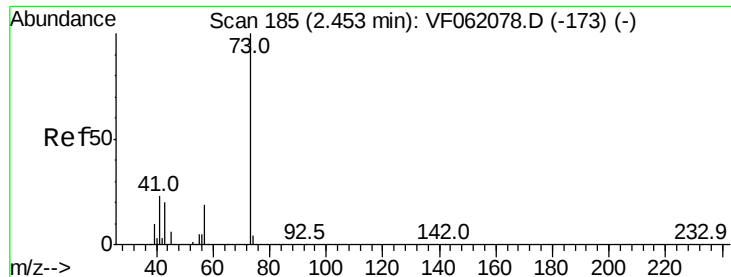
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#18
Methyl Acetate
Concen: 18.152 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion: 43 Resp: 18069
Ion Ratio Lower Upper
43 100
74 20.5 16.3 24.5





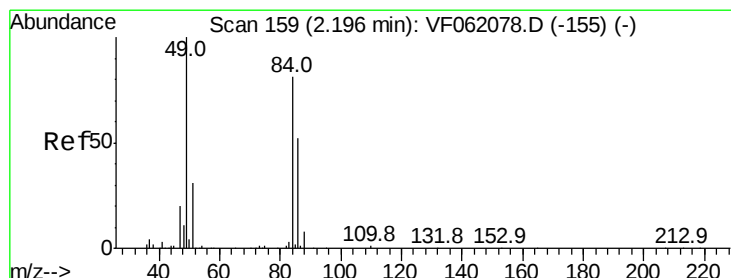
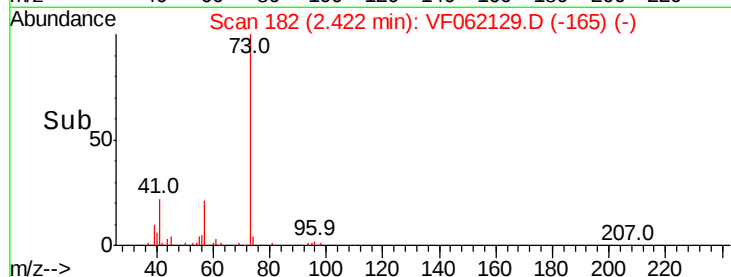
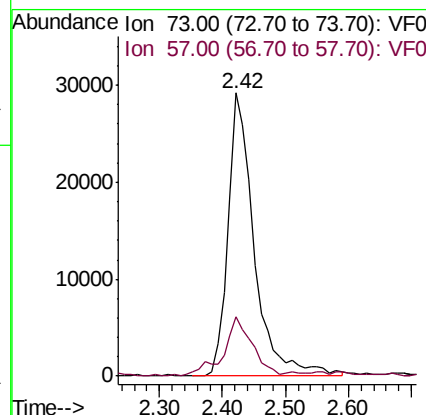
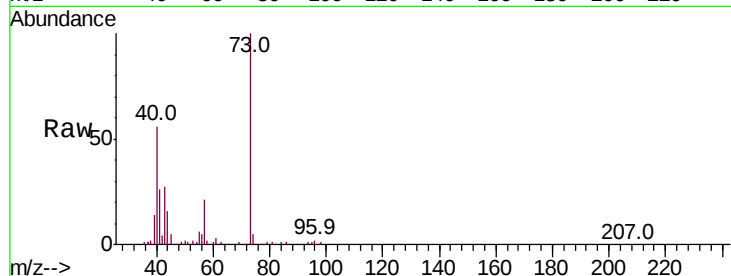
#19
Methyl tert-butyl Ether
Concen: 20.773 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion: 73 Resp: 84363
Ion Ratio Lower Upper
73 100
57 21.0 15.1 22.7

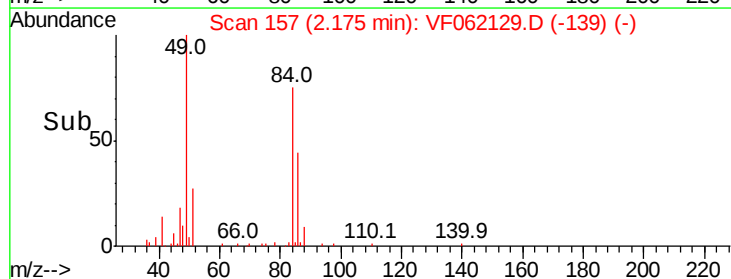
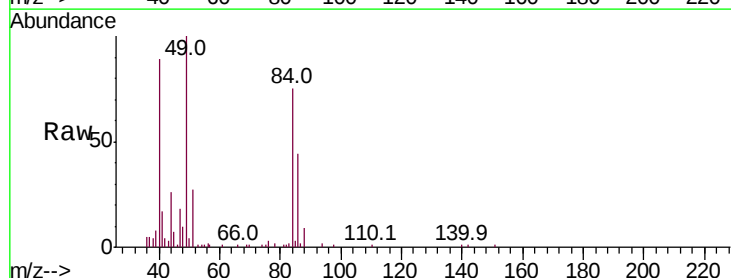
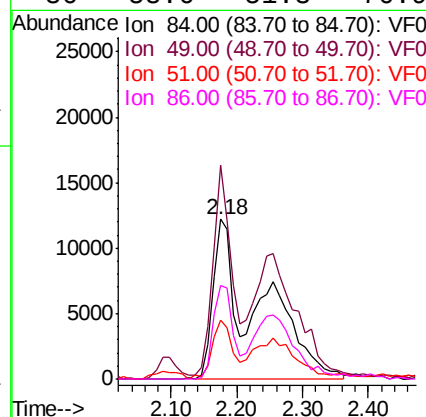
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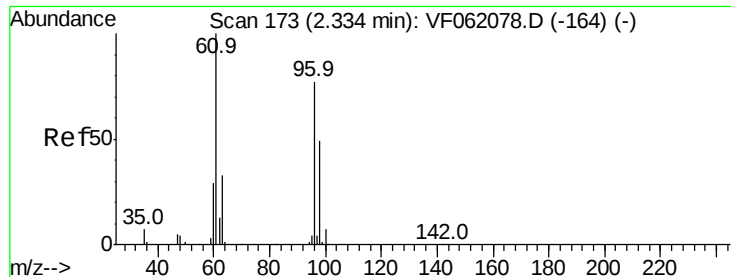
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#20
Methylene Chloride
Concen: 21.166 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion: 84 Resp: 57756
Ion Ratio Lower Upper
84 100
49 133.7 100.4 150.6
51 36.7 31.0 46.6
86 58.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 23.260 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 96 Resp: 57507

Ion Ratio Lower Upper

96 100

61 138.0 104.5 156.7

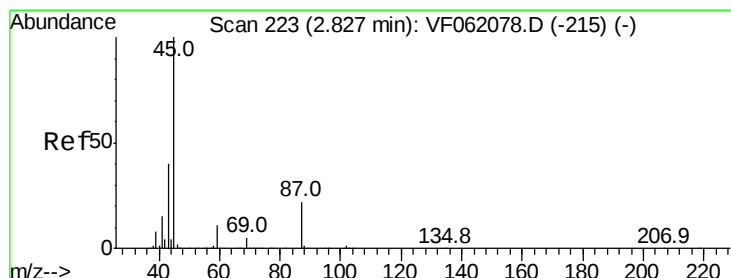
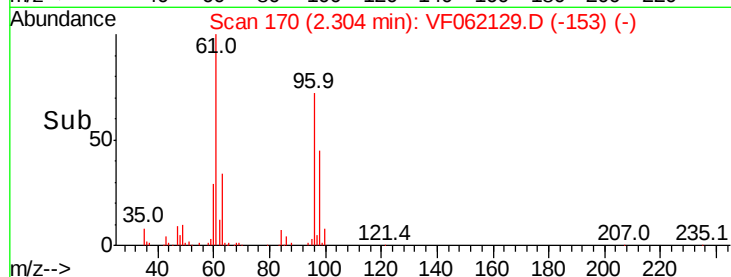
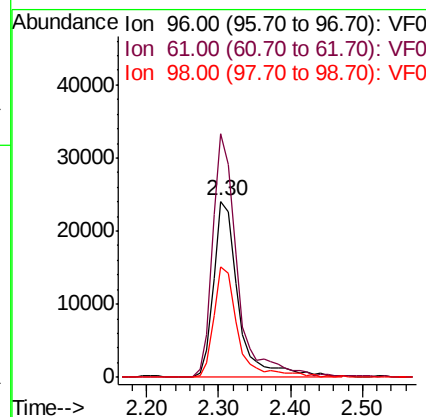
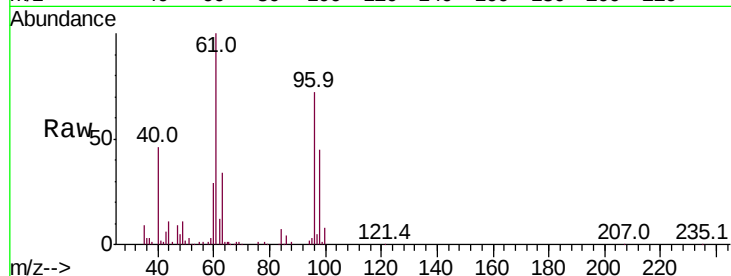
98 62.7 51.2 76.8

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#22

Diisopropyl ether

Concen: 22.083 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion: 45 Resp: 158840

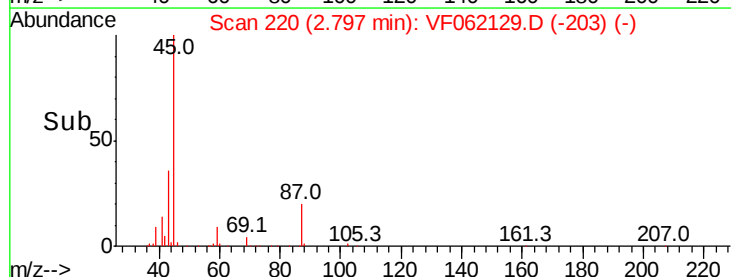
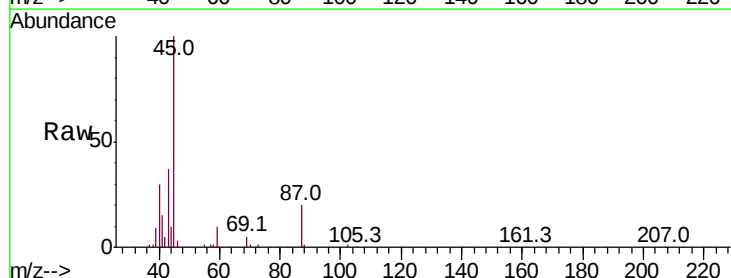
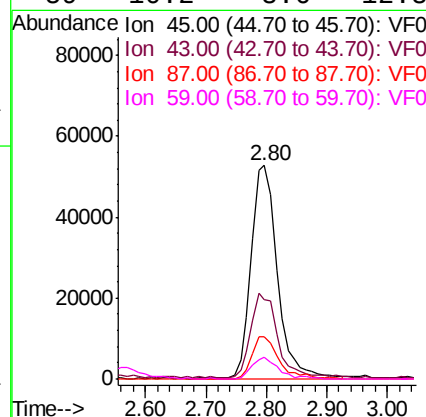
Ion Ratio Lower Upper

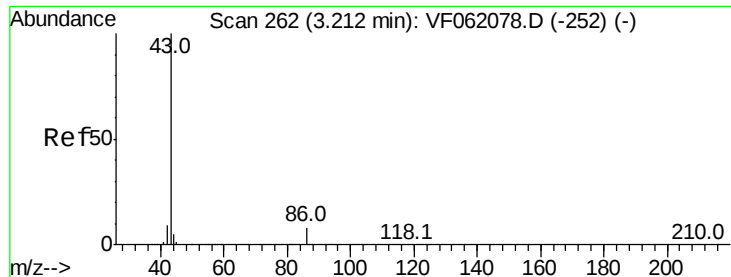
45 100

43 37.1 32.5 48.7

87 19.5 17.4 26.2

59 10.2 8.6 12.8





#23

Vinyl Acetate

Concen: 106.598 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 43 Resp: 313925

Ion Ratio Lower Upper

43 100

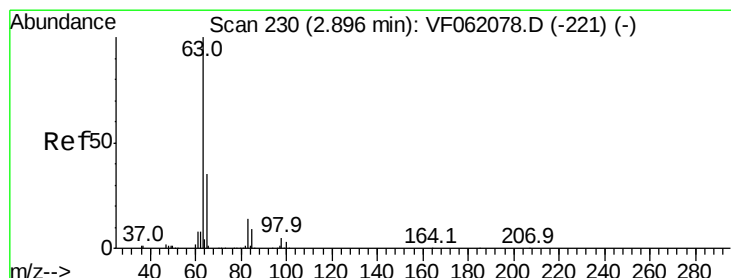
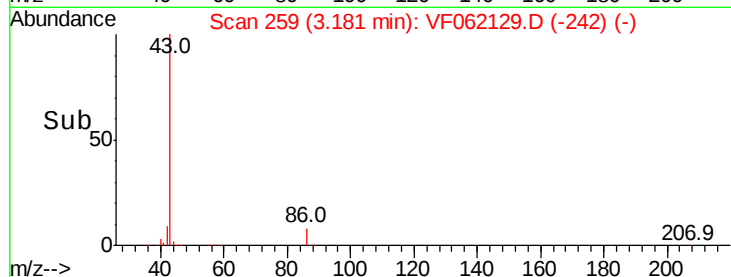
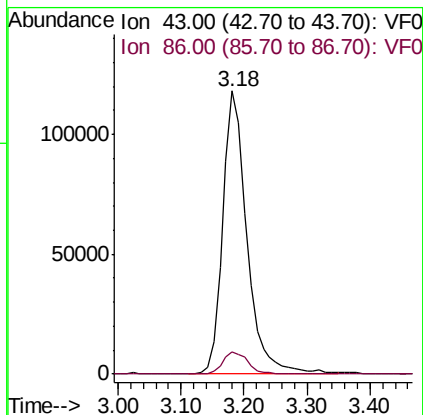
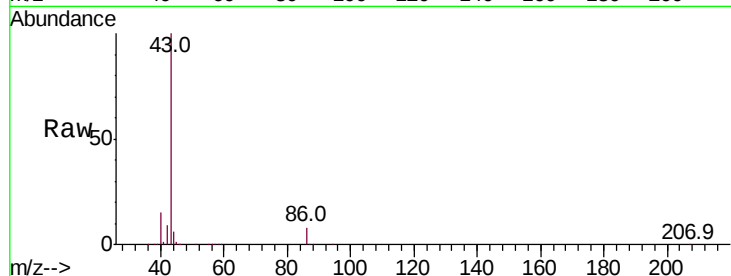
86 7.8 6.8 10.2

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#24

1,1-Dichloroethane

Concen: 21.350 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

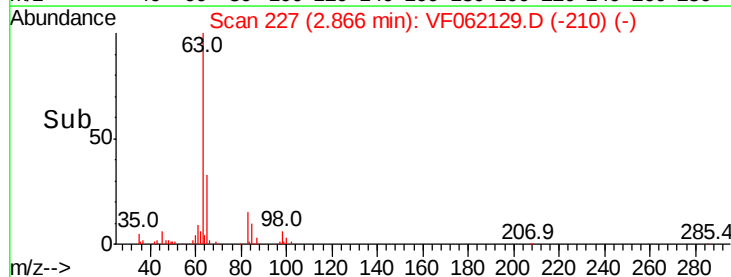
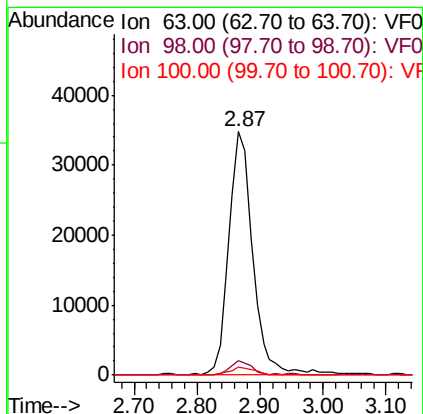
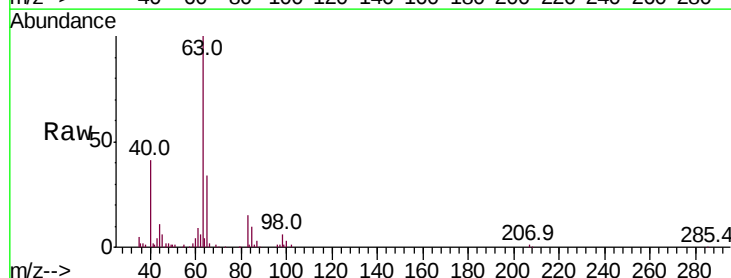
Tgt Ion: 63 Resp: 92091

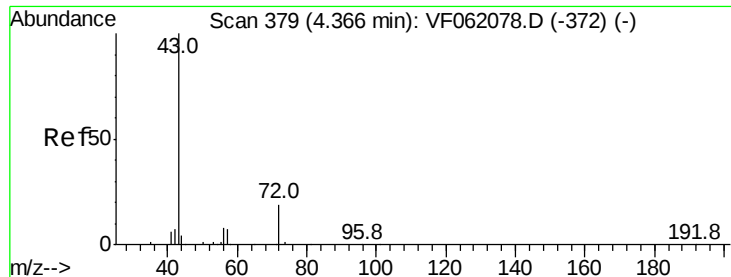
Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

100 3.3 1.7 5.1





#25

2-Butanone

Concen: 97.879 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 43 Resp: 85271

Ion Ratio Lower Upper

43 100

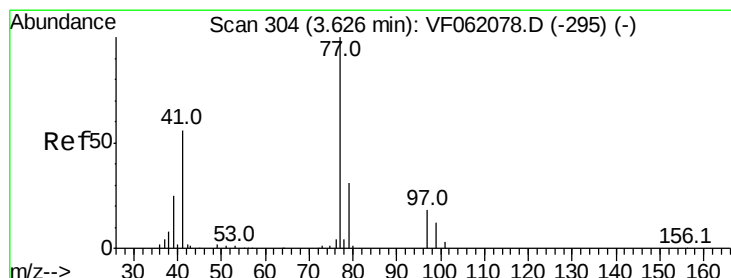
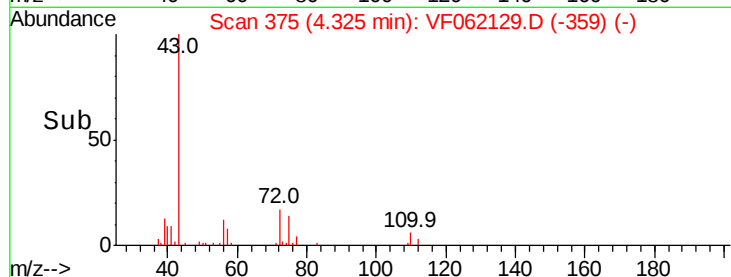
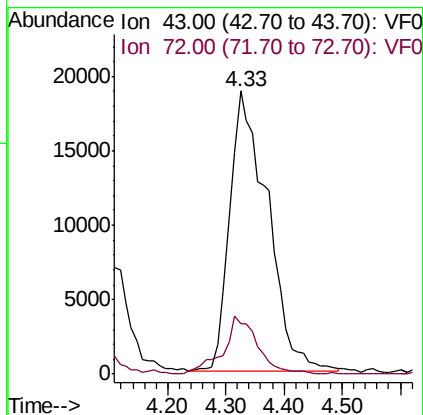
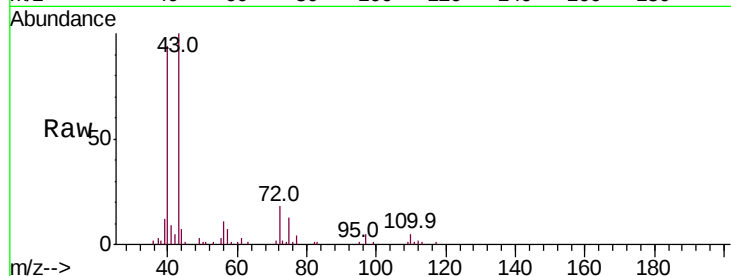
72 17.7 16.7 25.1

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#26

2,2-Dichloropropane

Concen: 24.398 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.03 min

Lab File: VF062129.D

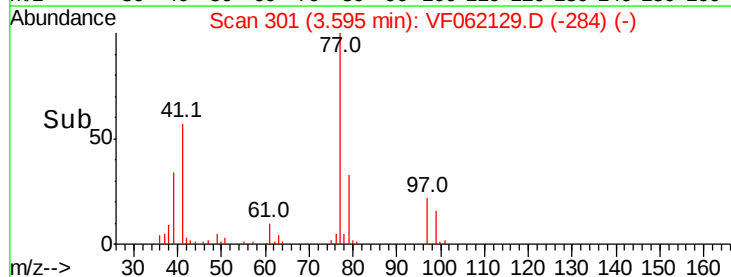
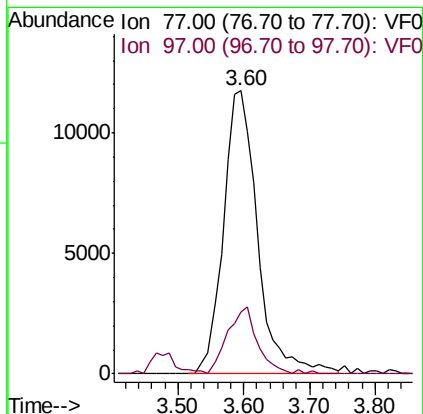
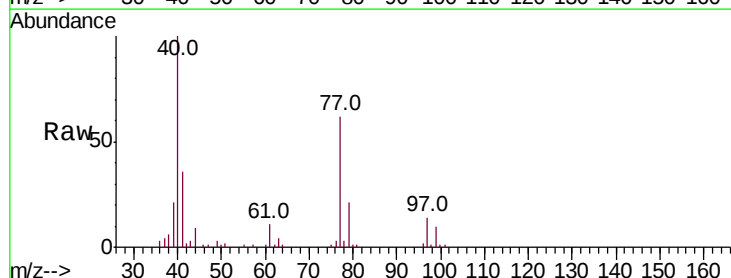
Acq: 25 Mar 2019 14:02

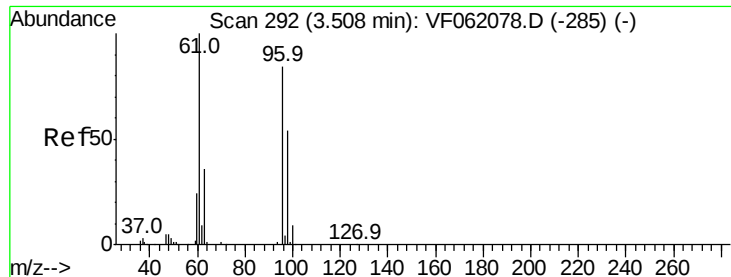
Tgt Ion: 77 Resp: 42669

Ion Ratio Lower Upper

77 100

97 21.9 10.3 30.9





#27

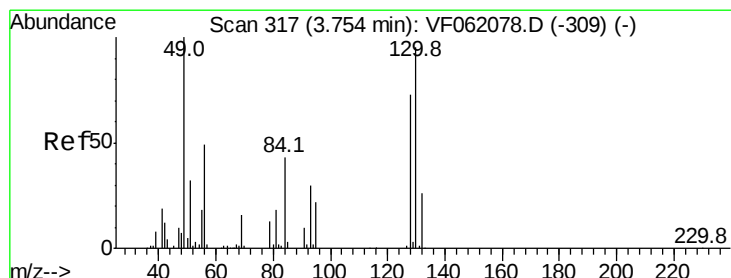
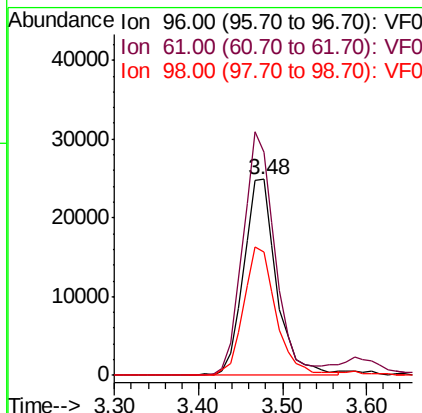
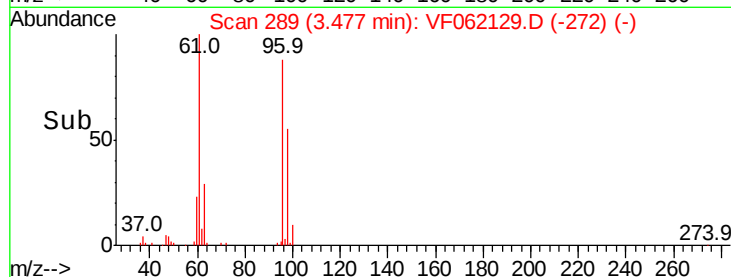
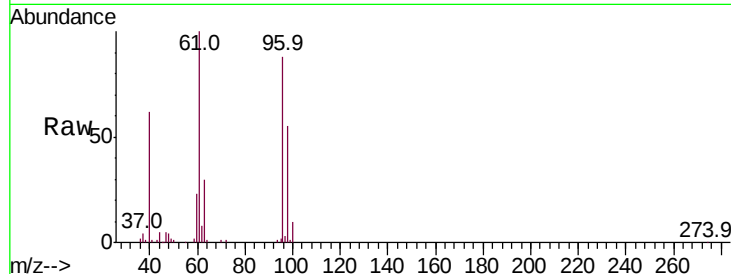
cis-1,2-Dichloroethene
Concen: 20.740 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.2	0.0	239.0
98	63.1	0.0	128.2

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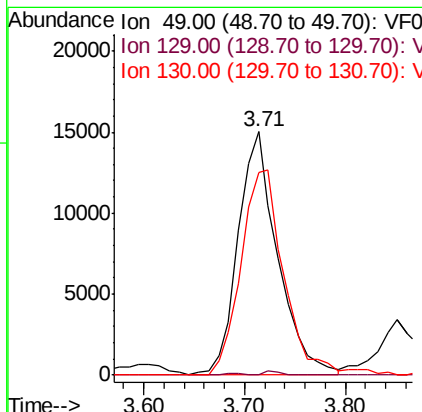
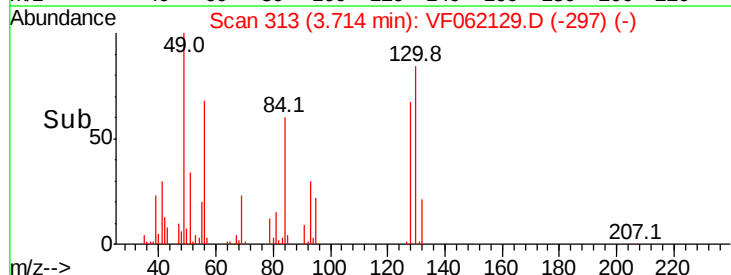
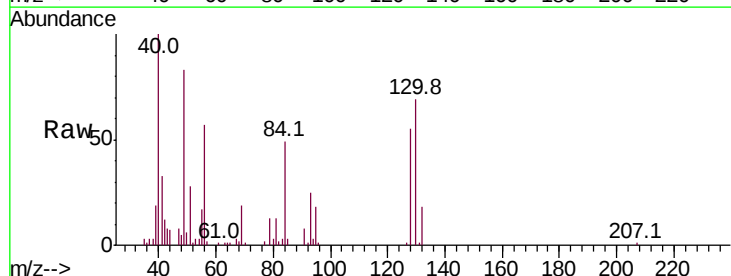
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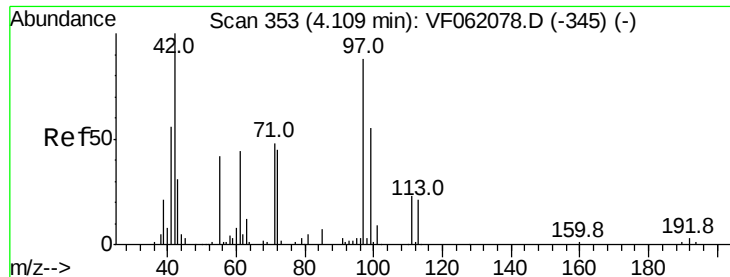


#28

Bromochloromethane
Concen: 23.269 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	83.0	75.5	113.3





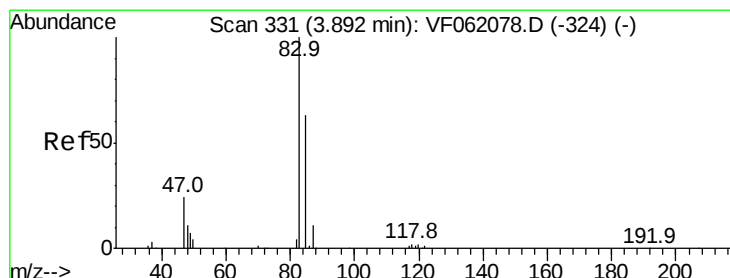
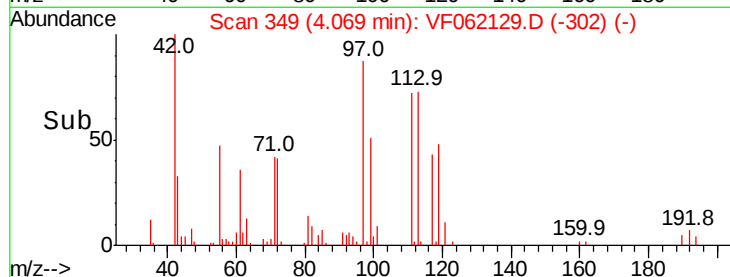
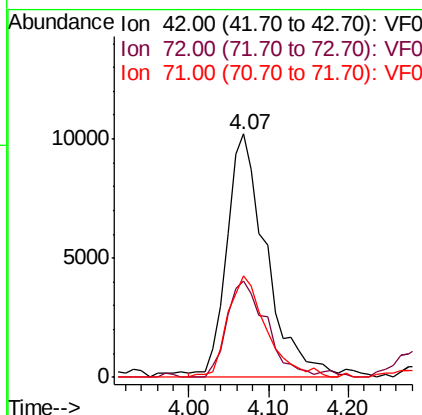
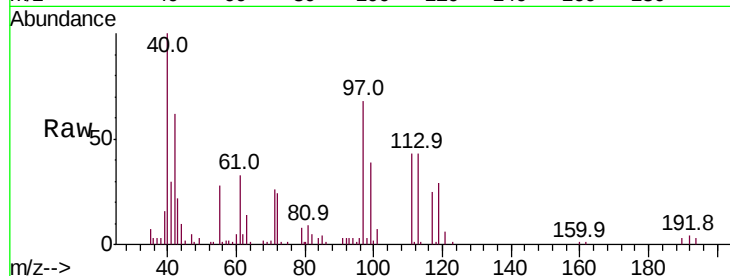
#29
Tetrahydrofuran
Concen: 93.774 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	33.3	49.9
71	40.6	35.0	52.4

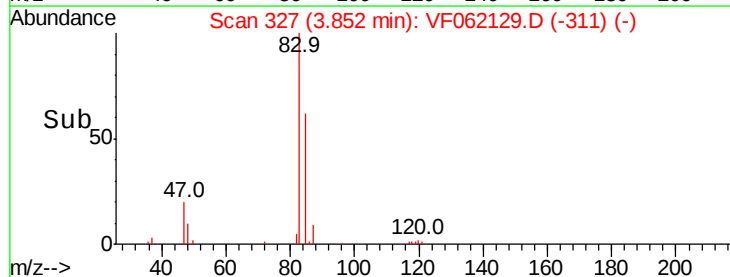
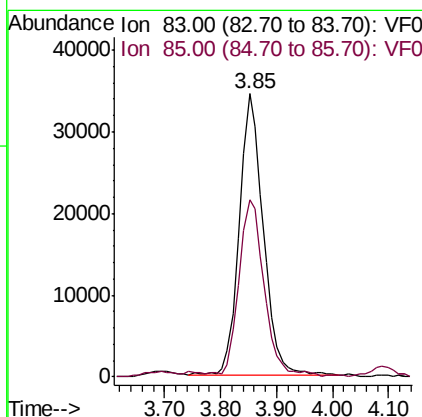
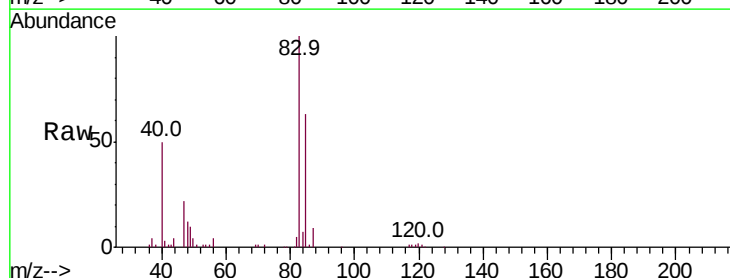
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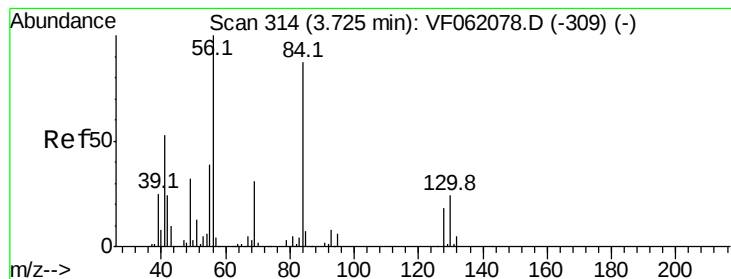
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#30
Chloroform
Concen: 22.407 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.04 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.5	77.3





#31

Cvclohexane

Concen: 21.738 ug/l m

RT: 3.68 min Scan# 310

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 56 Resp: 97928

Ion Ratio Lower Upper

56 100

69 33.0 25.9 38.9

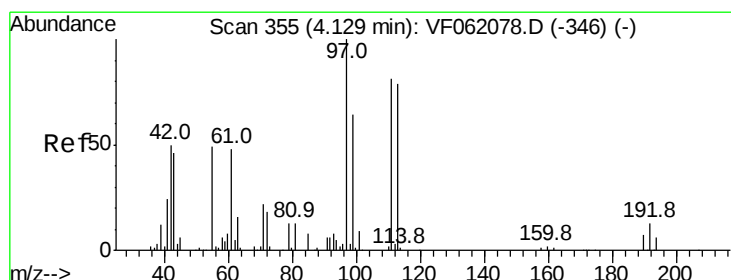
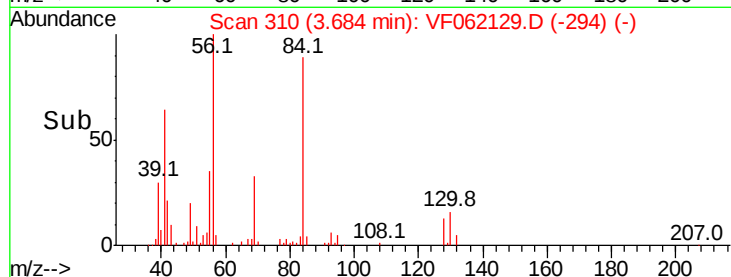
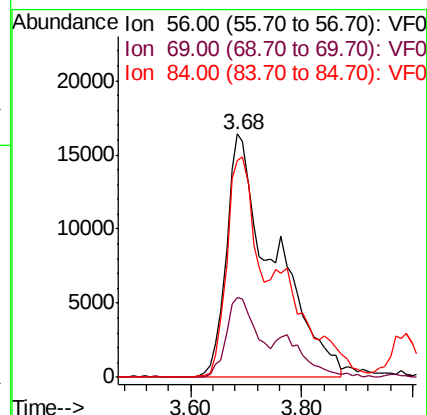
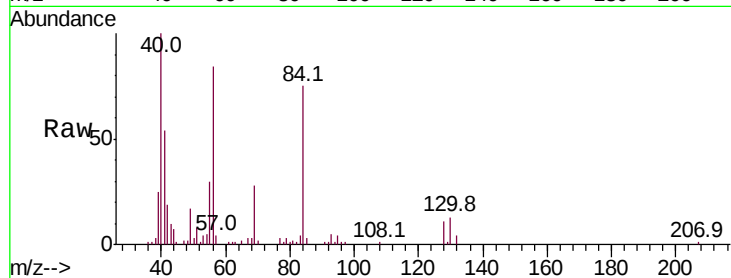
84 88.9 71.1 106.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 23.586 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

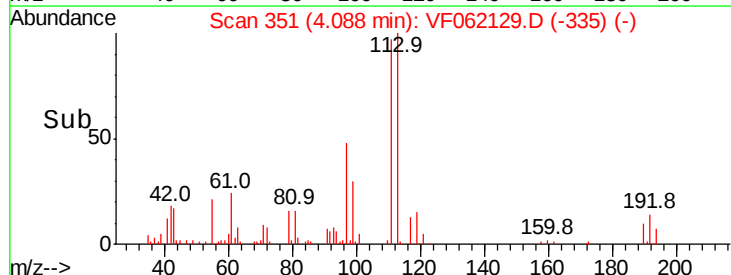
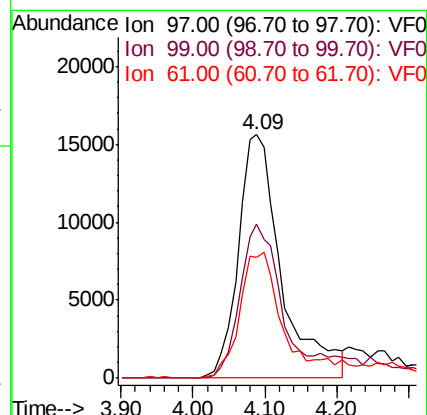
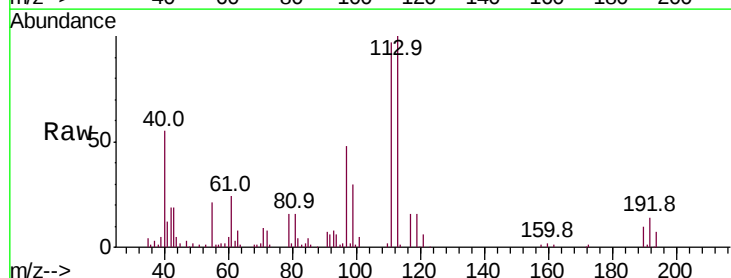
Tgt Ion: 97 Resp: 65403

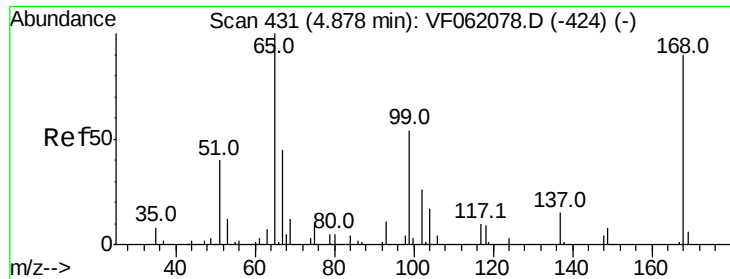
Ion Ratio Lower Upper

97 100

99 63.0 51.3 76.9

61 49.5 39.0 58.6





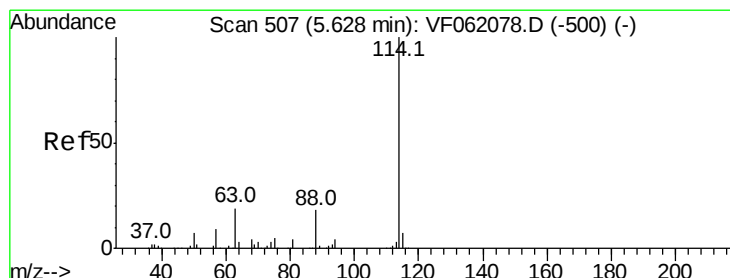
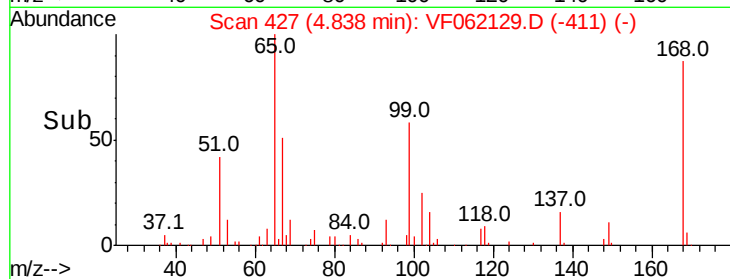
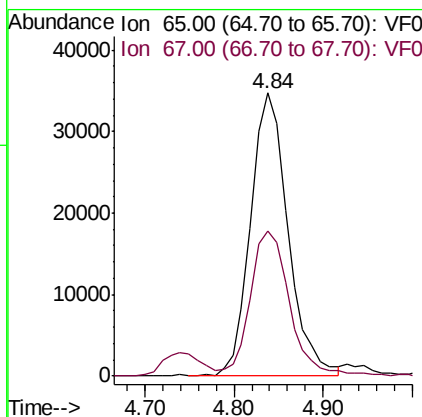
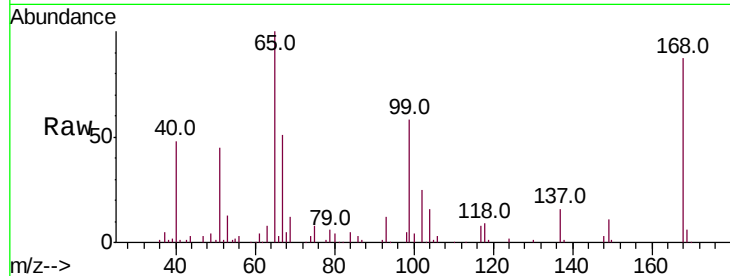
#33
 1,2-Dichloroethane-d4
 Concen: 51.029 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101180		
67	51.4	0.0	106.2	

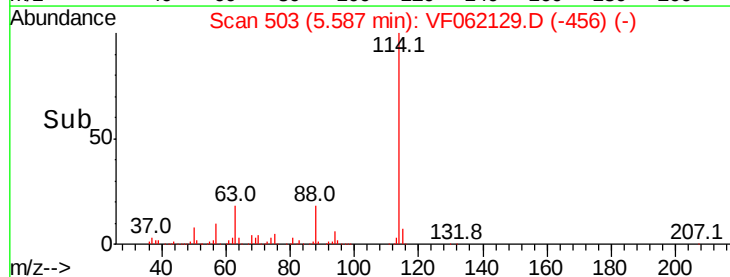
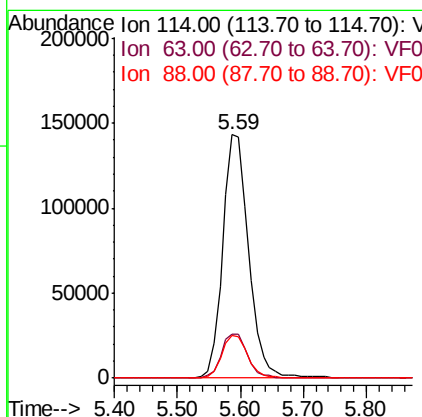
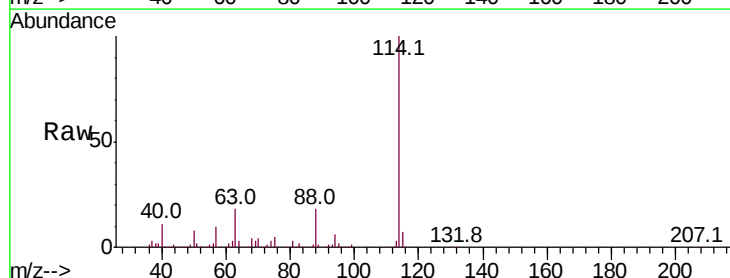
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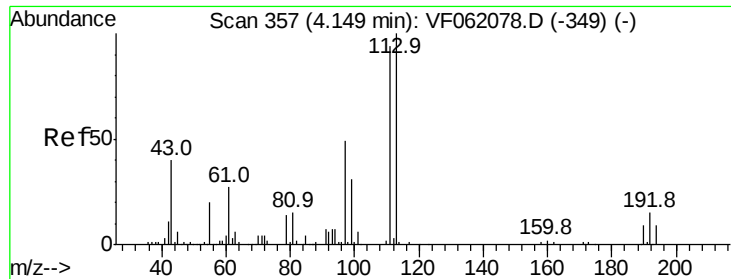
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.04 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	408911		
63	18.0	0.0	37.8	
88	17.5	0.0	36.4	





#35

Dibromofluoromethane

Concen: 55.387 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion:113 Resp: 153206

Ion Ratio Lower Upper

113 100

111 102.8 75.4 113.0

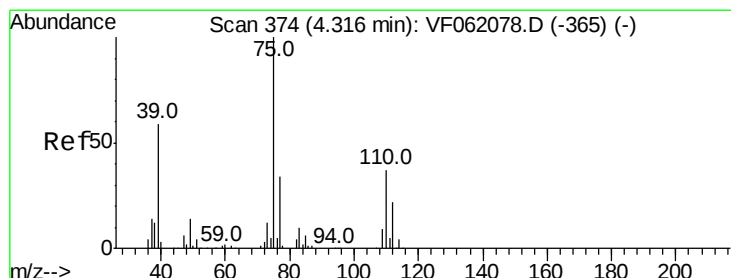
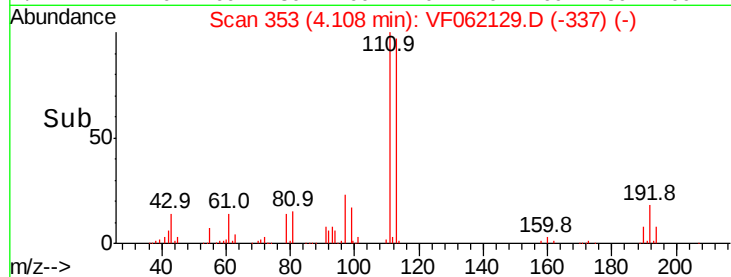
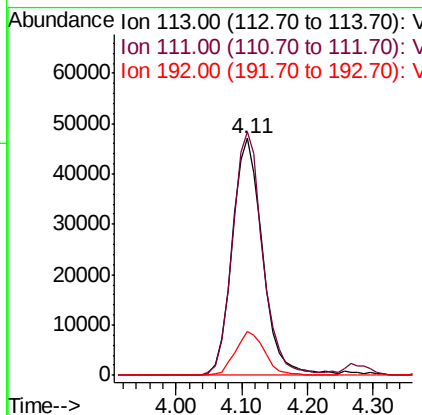
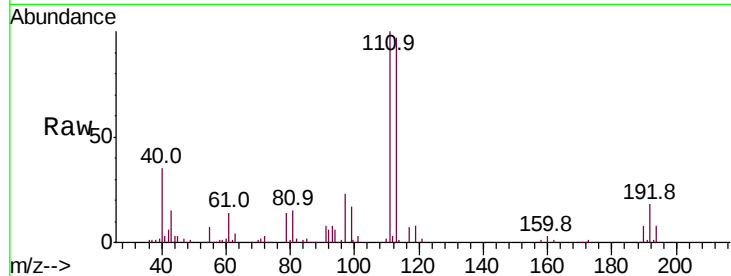
192 18.4 12.3 18.5

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 21.332 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

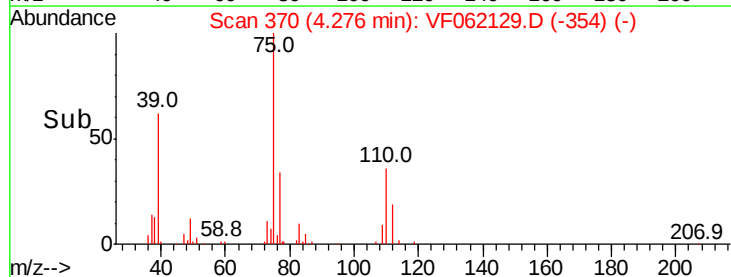
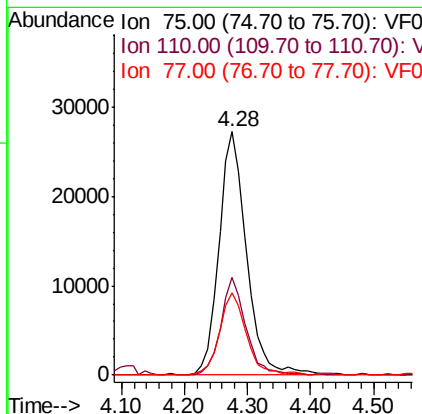
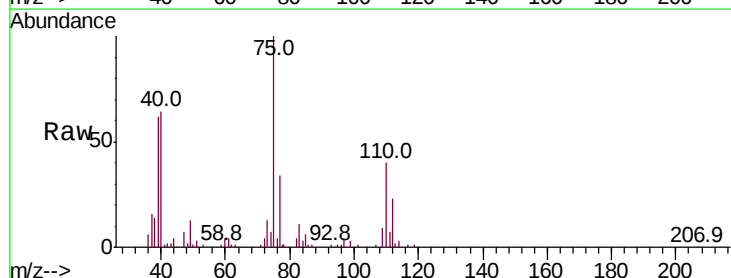
Tgt Ion: 75 Resp: 83085

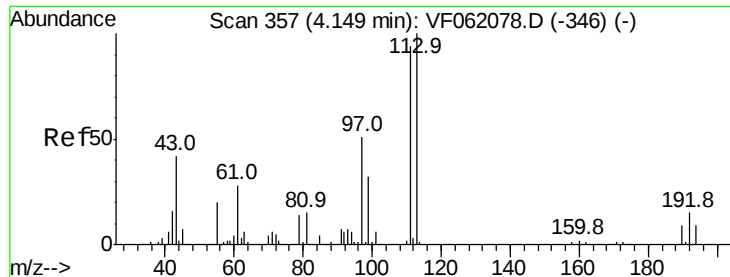
Ion Ratio Lower Upper

75 100

110 40.1 18.5 55.5

77 33.9 27.4 41.0





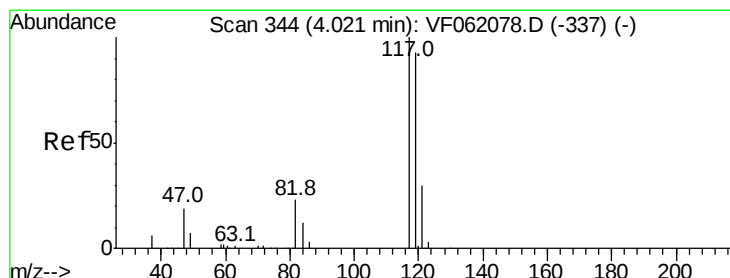
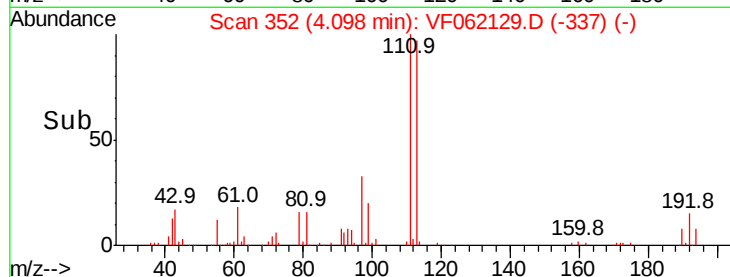
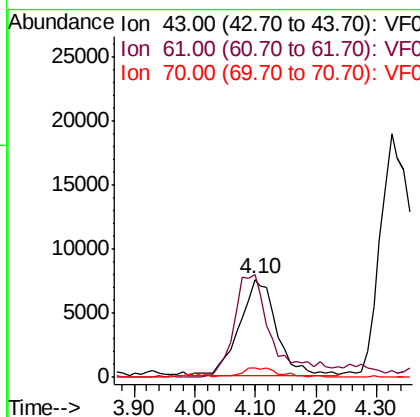
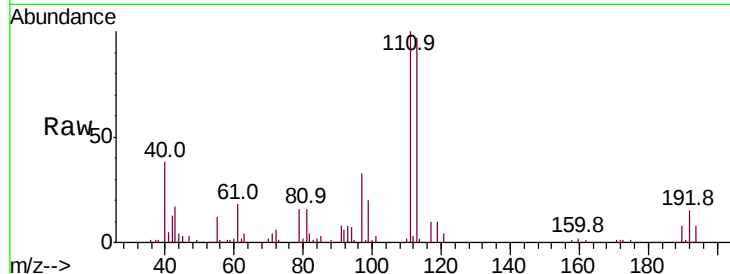
#37
Ethyl Acetate
Concen: 18.544 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion	43	61	70	Ratio	100	104.7	9.6	Resp	31565	Lower	Upper
43	100										
61		104.7								53.6	80.4#
70			9.6							9.0	13.6

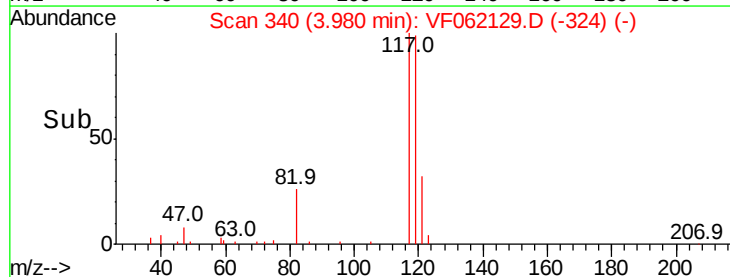
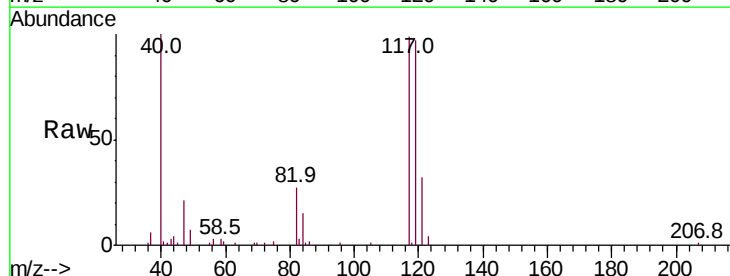
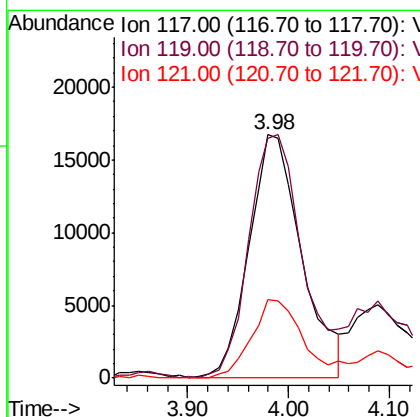
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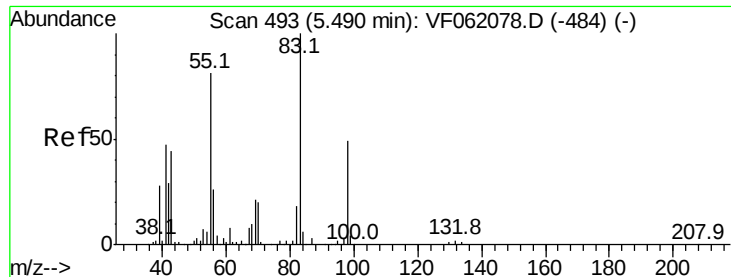
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#38
Carbon Tetrachloride
Concen: 22.941 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.04 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion	117	119	121	Ratio	100	98.6	32.2	Resp	60901	Lower	Upper
117	100										
119		98.6								74.7	112.1
121			32.2							23.6	35.4





#39

Methylvlcvclohexane

Concen: 22.288 ug/l

RT: 5.45 min Scan# 489

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

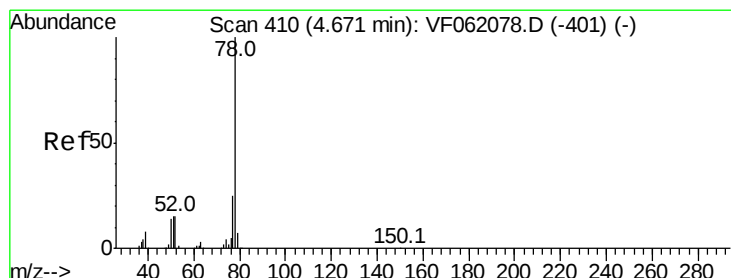
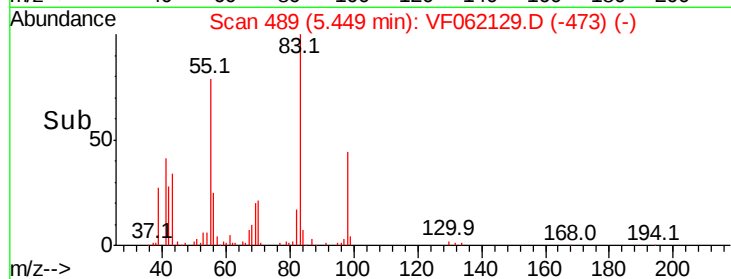
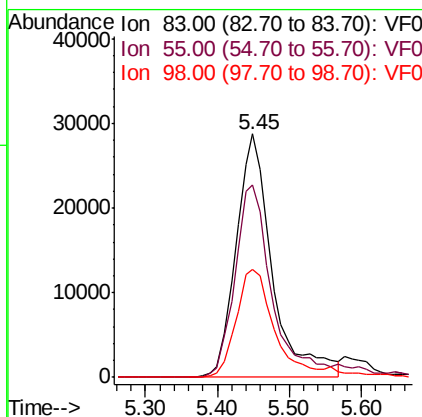
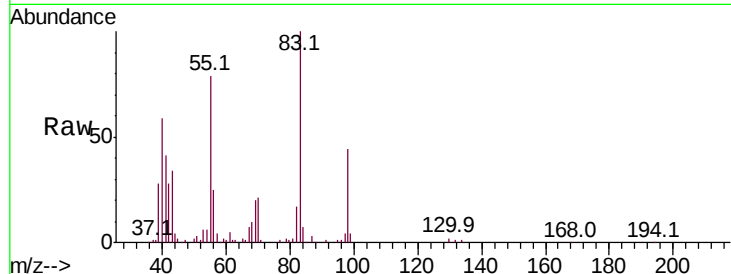
ClientSampleId :

VF0325SBS01

Tot Ion:	83	Resp:	100752
Ion Ratio	Lower	Upper	
83	100		
55	79.2	64.5	96.7
98	44.3	39.1	58.7

Manual Integrations
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#40

Benzene

Concen: 20.780 ug/l

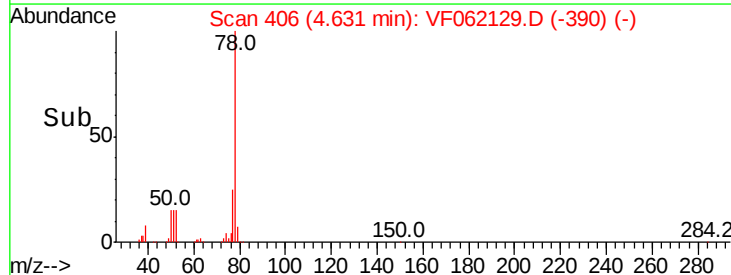
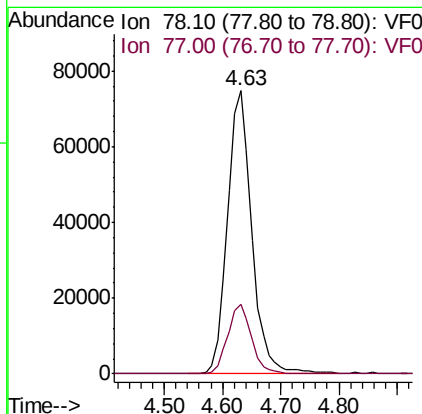
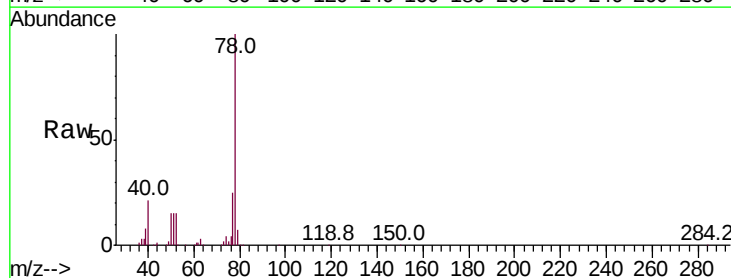
RT: 4.63 min Scan# 406

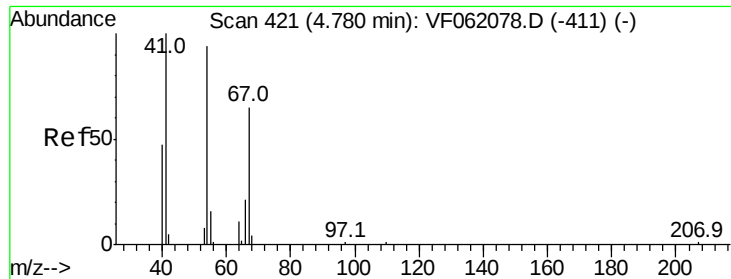
Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion:	78	Resp:	216971
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.8	29.6





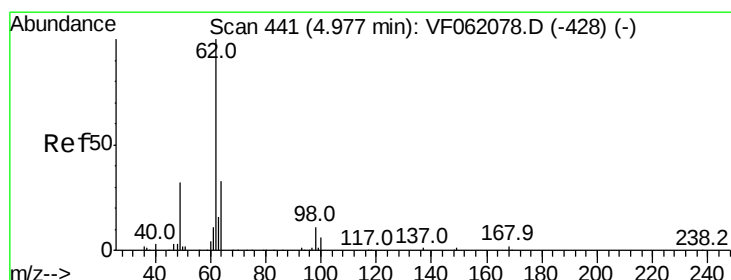
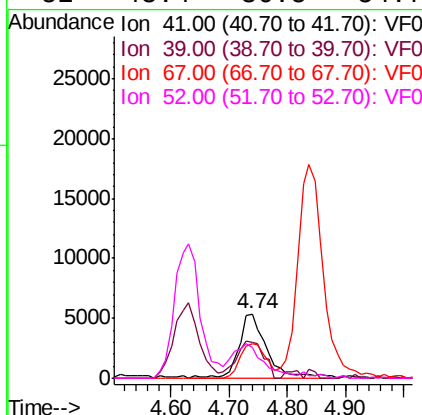
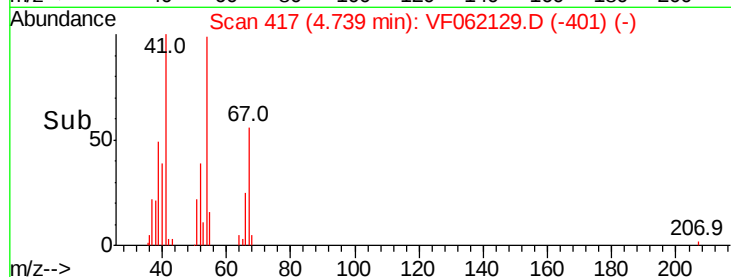
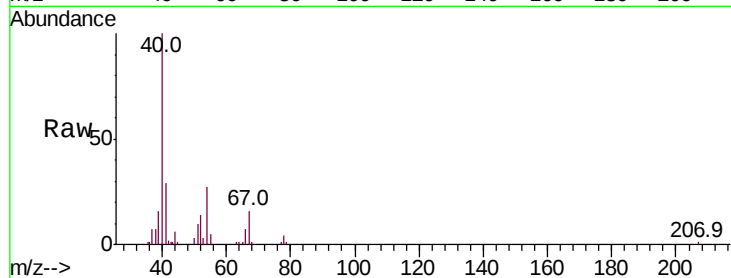
#41
Methacrylonitrile
Concen: 20.043 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.5	65.3
67	53.6	51.6	77.4
52	48.4	36.5	54.7

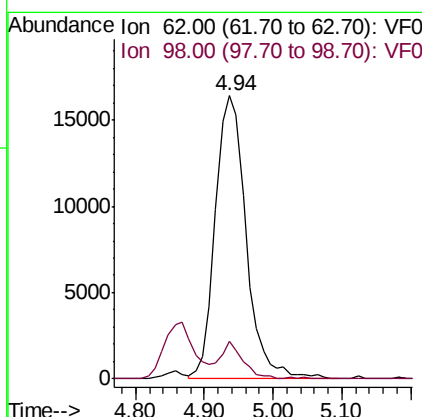
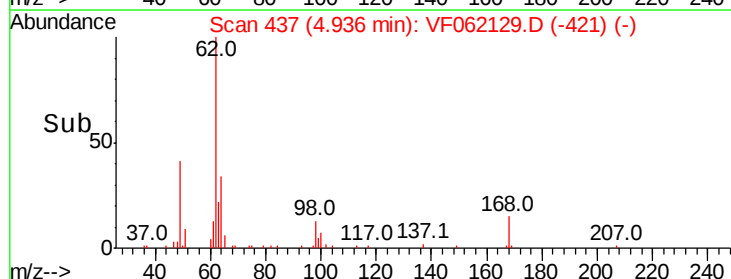
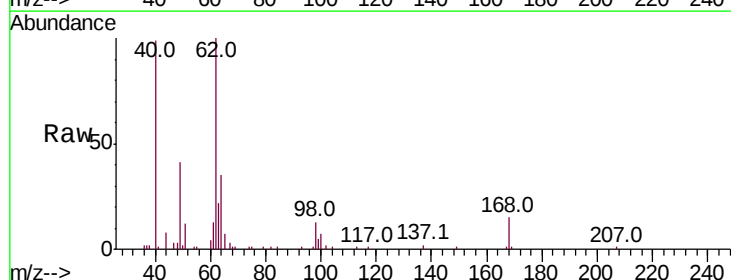
Manual Integrations
APPROVED

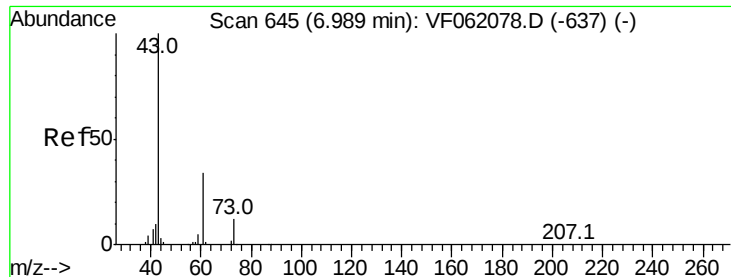
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.653 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.04 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.5	0.0	23.2





#43

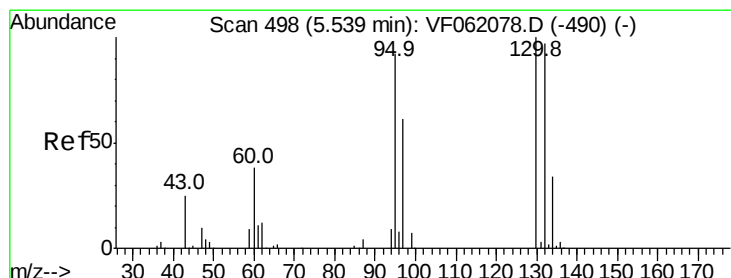
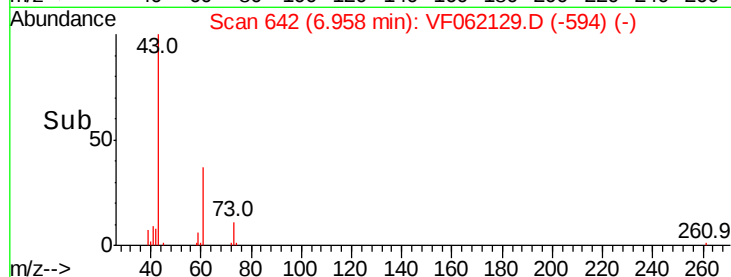
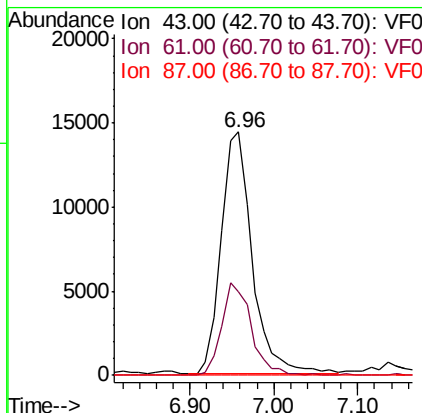
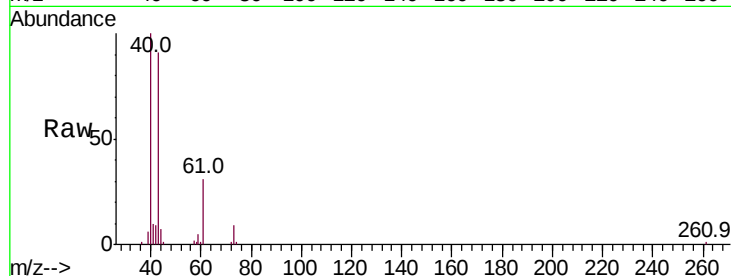
Isopropyl Acetate
 Concen: 17.751 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.03 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.4	27.0	40.4
87	0.0	0.4	0.6

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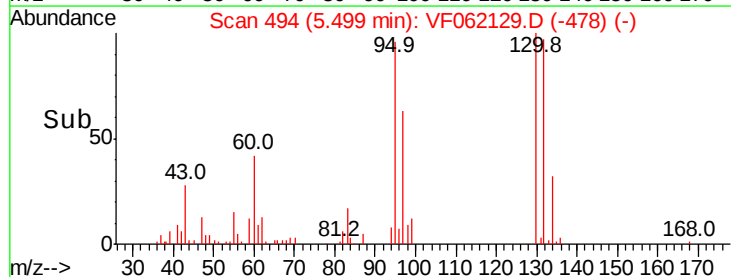
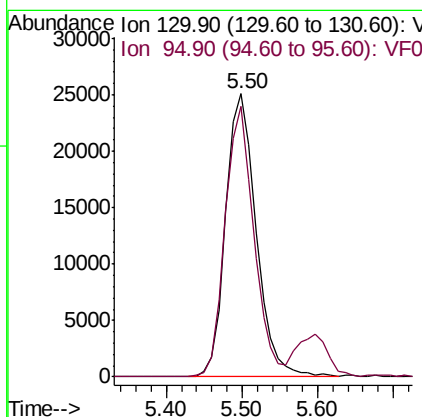
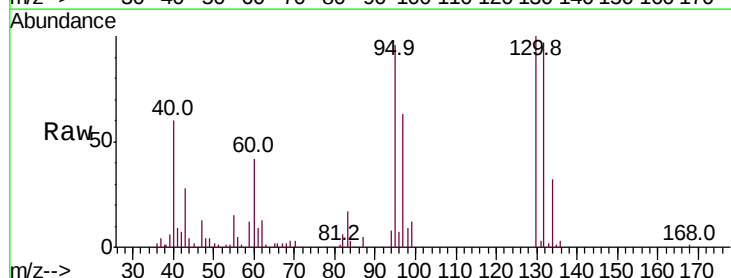
MMDadoda
 3/26/2019 3:59:18 PM

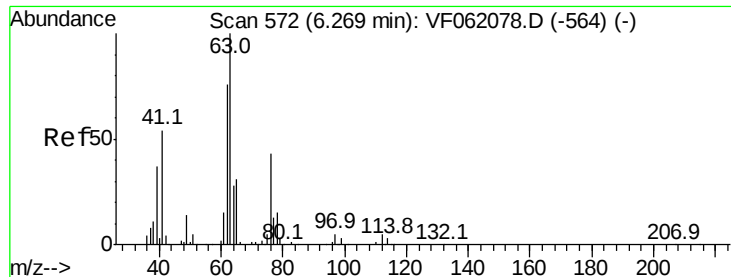


#44

Trichloroethene
 Concen: 21.953 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.04 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	183.4





#45

1,2-Dichloropropane

Concen: 20.199 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 63 Resp: 50303

Ion Ratio Lower Upper

63 100

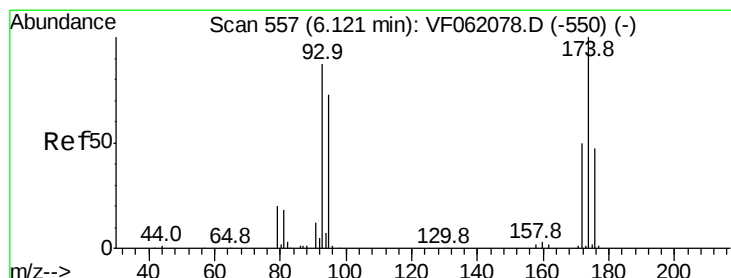
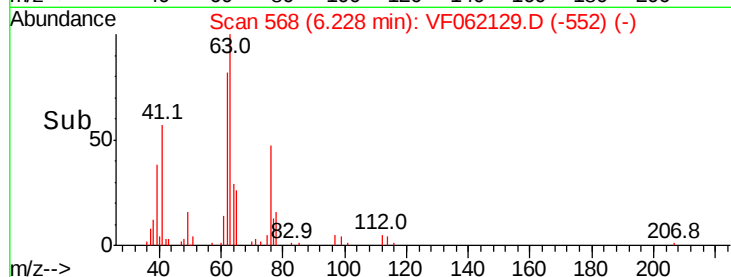
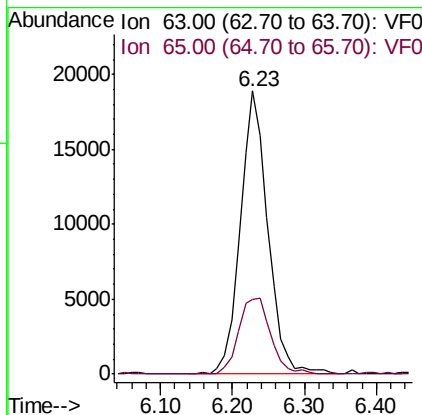
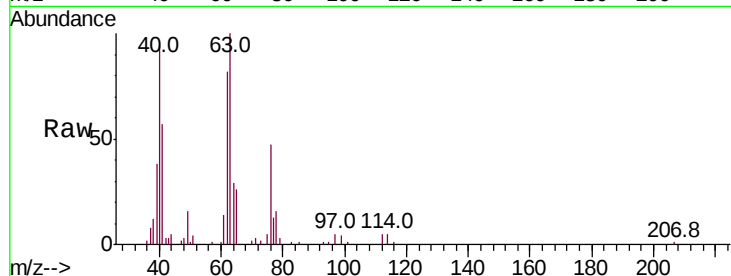
65 26.4 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 19.932 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

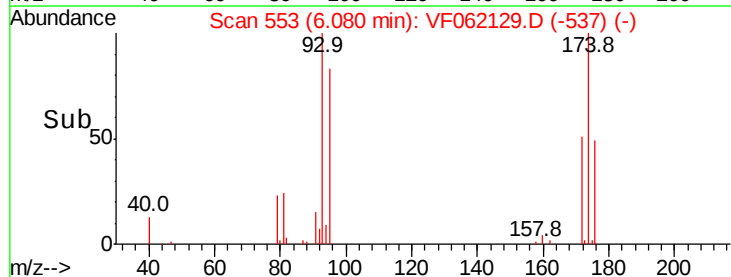
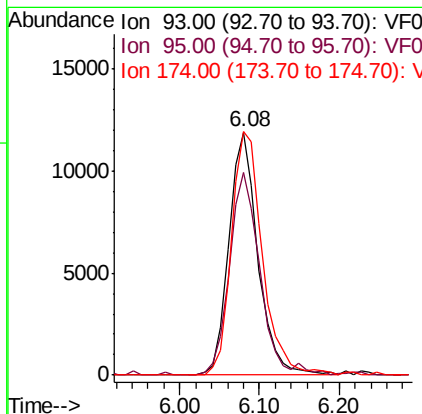
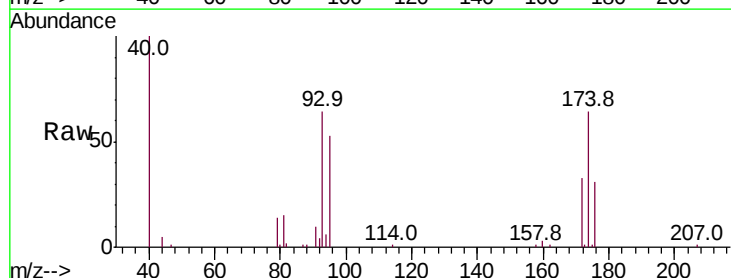
Tgt Ion: 93 Resp: 30350

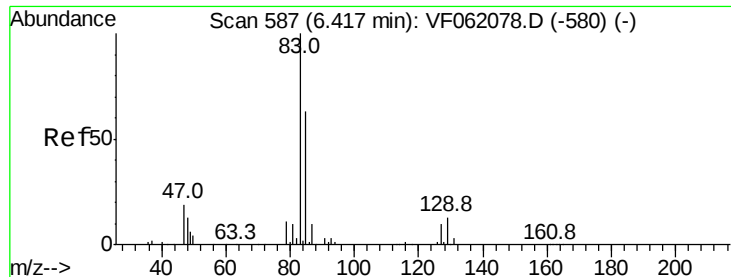
Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.2

174 100.4 92.0 138.0





#47

Bromodichloromethane

Concen: 21.028 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

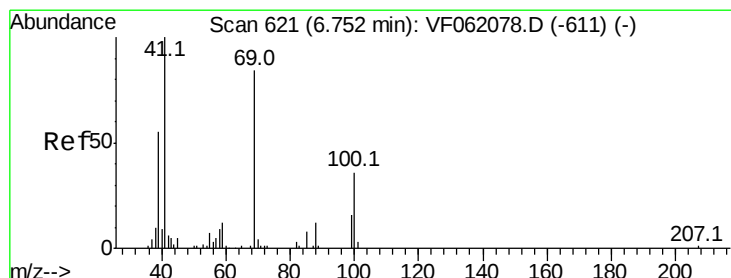
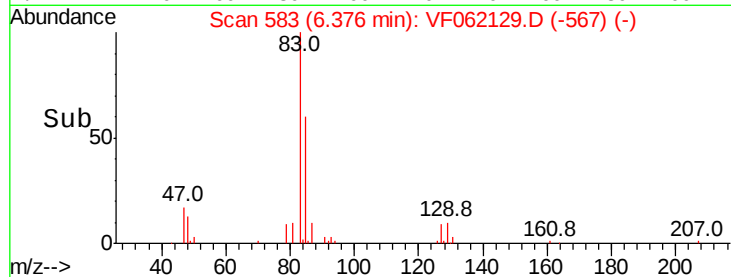
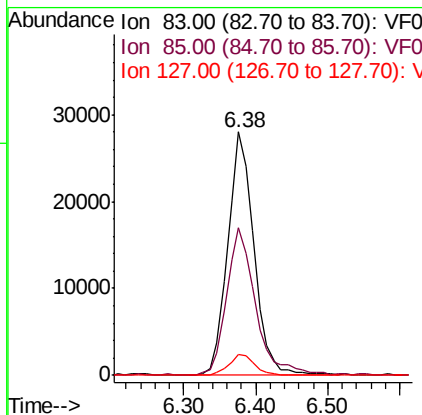
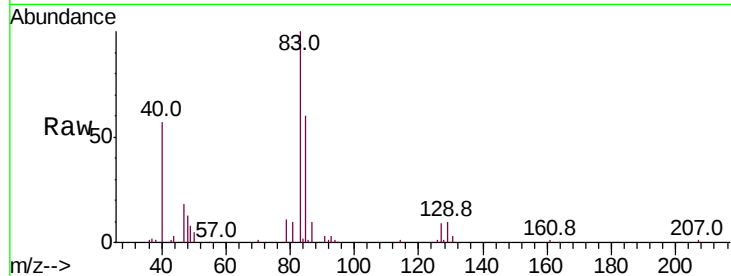
ClientSampleId :

VF0325SBS01

Tot Ion:	83	Resp:	70922
Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.7	76.1
127	8.8	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.484 ug/l

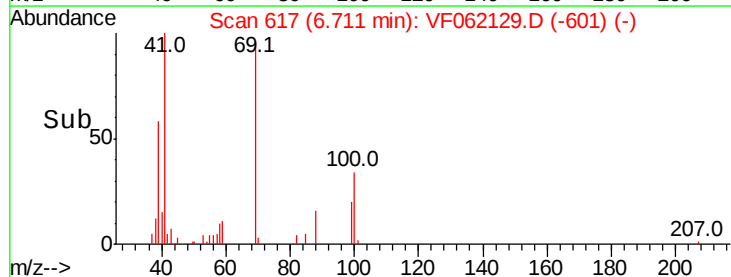
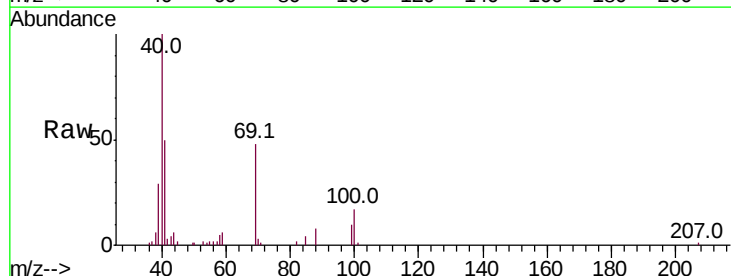
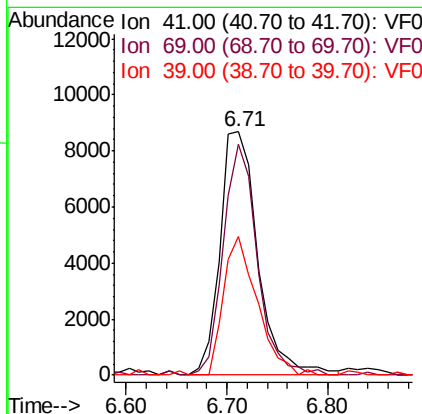
RT: 6.71 min Scan# 617

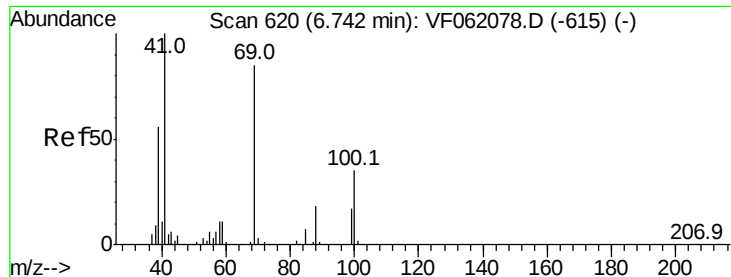
Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion:	41	Resp:	22869
Ion	Ratio	Lower	Upper
41	100		
69	94.6	66.6	100.0
39	57.1	43.6	65.4





#49

1,4-Dioxane

Concen: 419.849 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

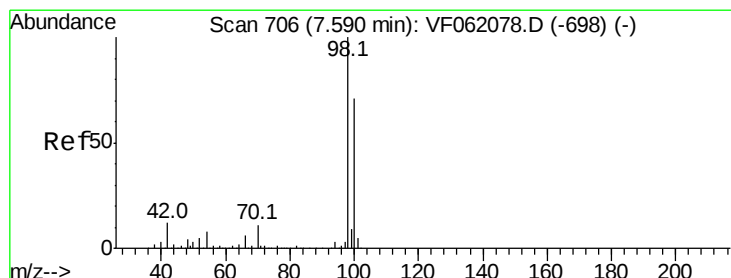
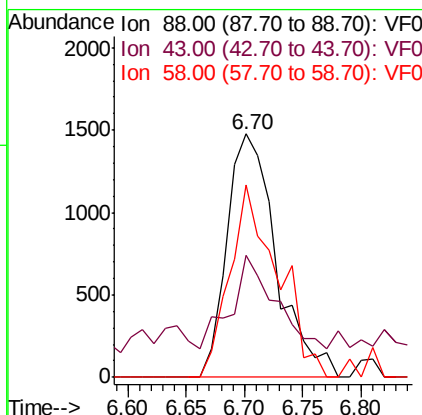
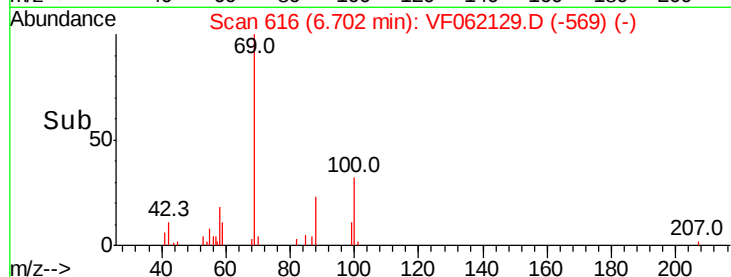
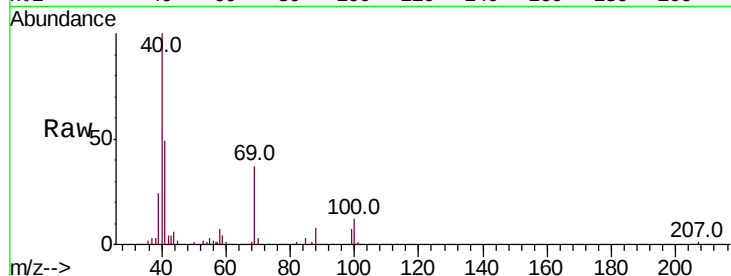
ClientSampleId :

VF0325SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.9	35.0	52.4
58	79.1	49.9	74.9#

Manual Integrations
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#50

Toluene-d8

Concen: 54.736 ug/l

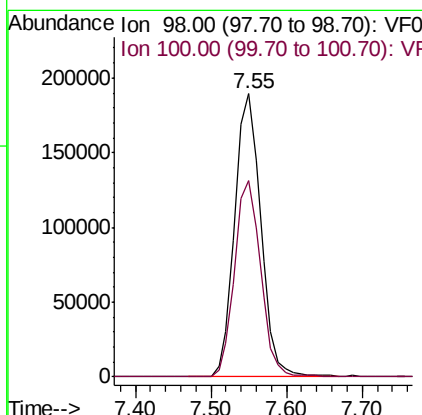
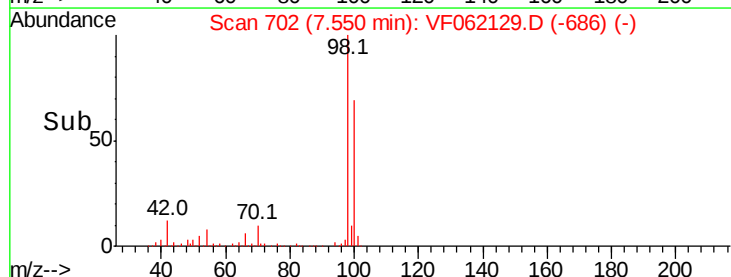
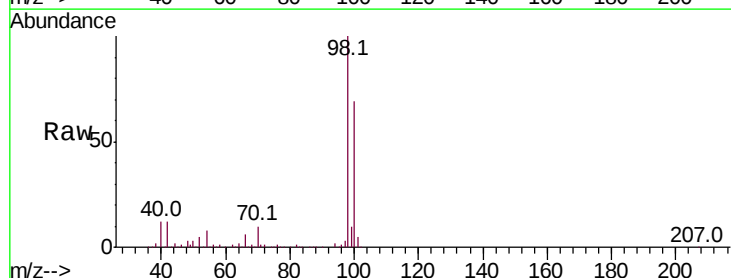
RT: 7.55 min Scan# 702

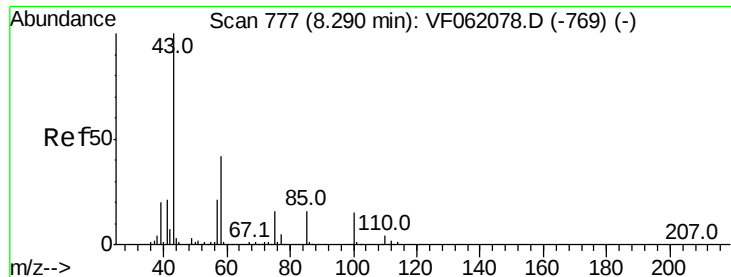
Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 101.188 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 43 Resp: 139612

Ion Ratio Lower Upper

43 100

58 39.8

33.8

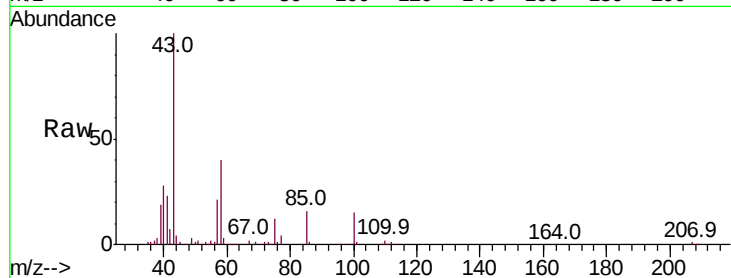
50.8

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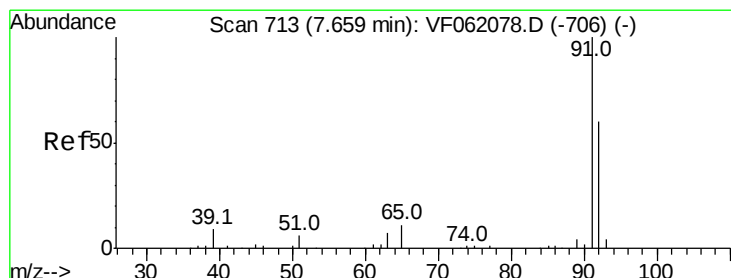
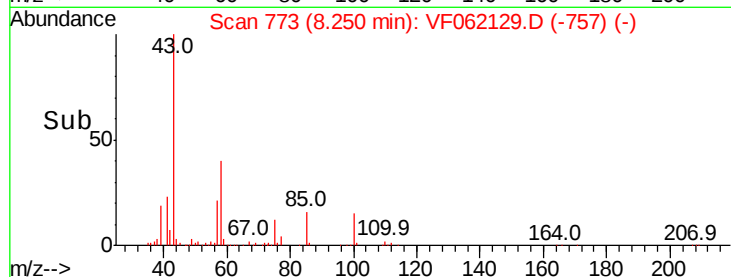
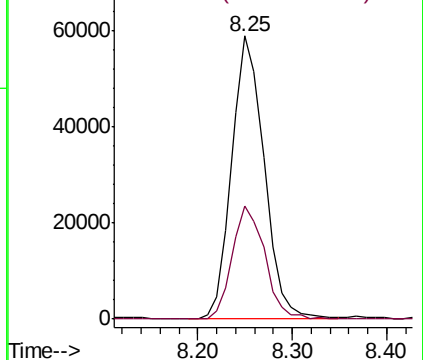
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.843 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion: 92 Resp: 126054

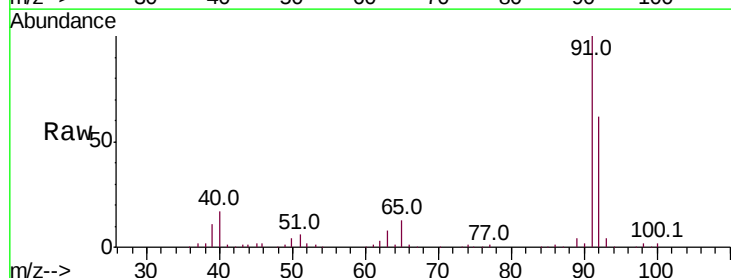
Ion Ratio Lower Upper

92 100

91 160.3

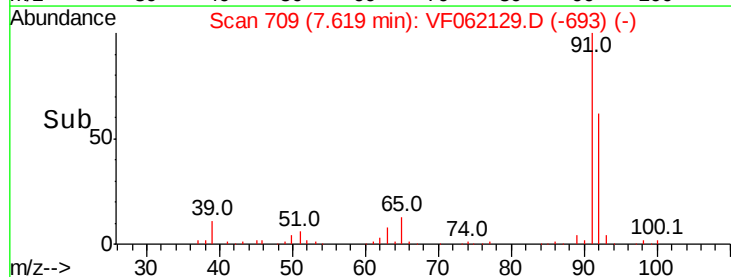
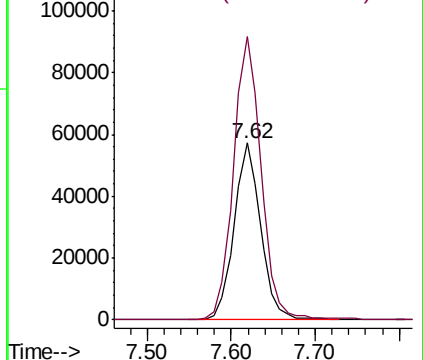
134.1

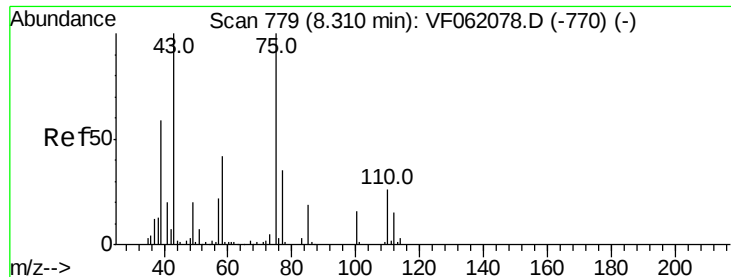
201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.706 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 75 Resp: 54822

Ion Ratio Lower Upper

75 100

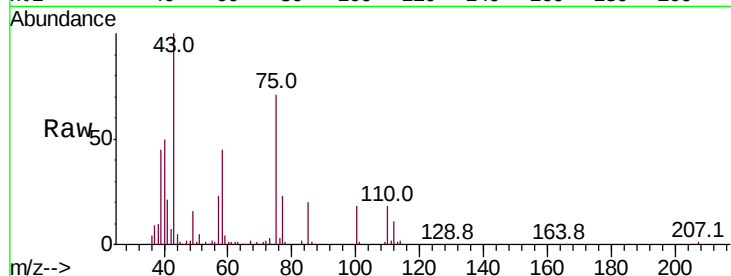
77 32.0 28.0 42.0

Manual Integrations

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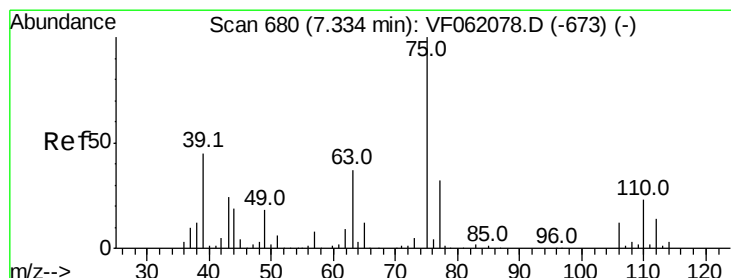
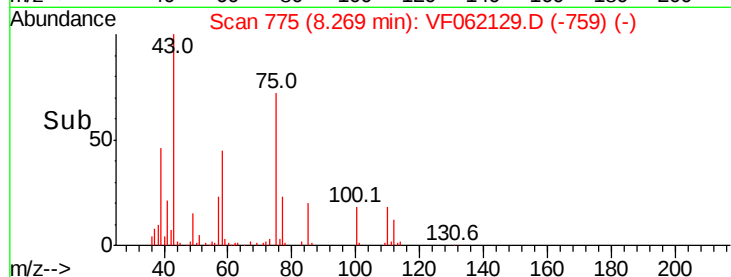
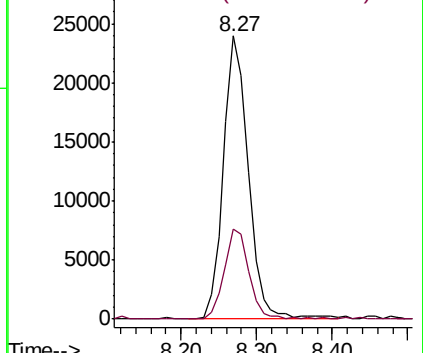
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.998 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

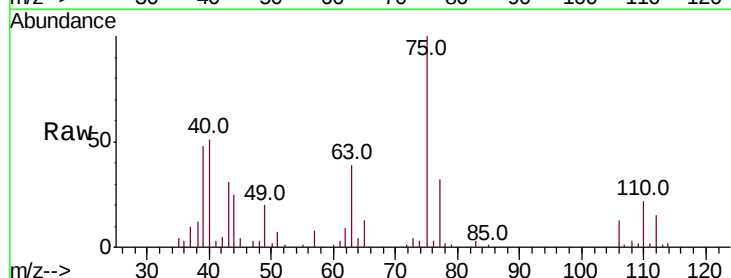
Tgt Ion: 75 Resp: 79548

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

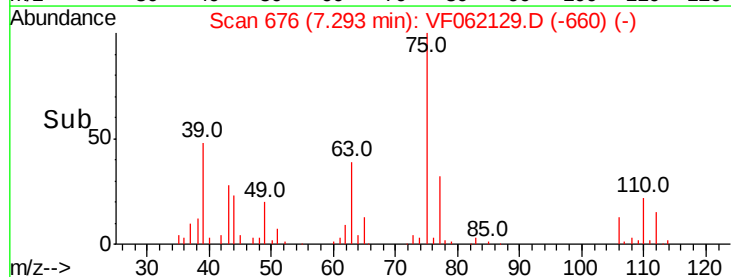
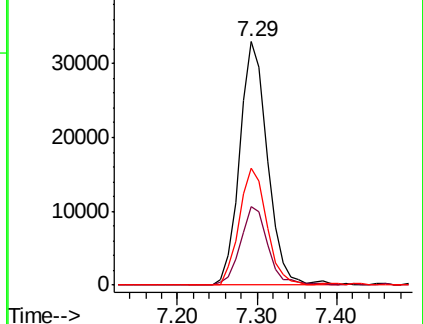
39 47.8 35.9 53.9

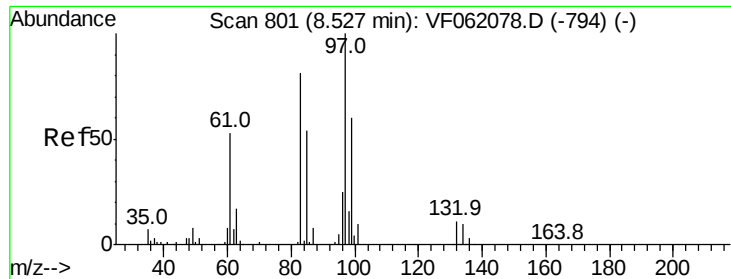


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 19.016 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

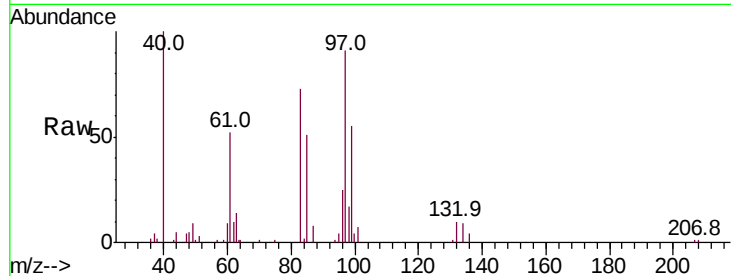
ClientSampleId :

VF0325SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	32667		
83	80.5	64.6	97.0	
85	56.4	43.6	65.4	
99	60.4	48.2	72.2	

Manual Integrations
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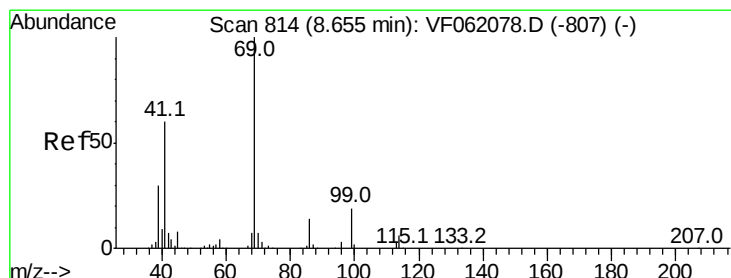
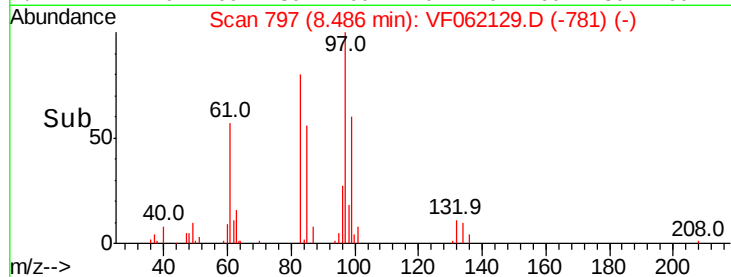
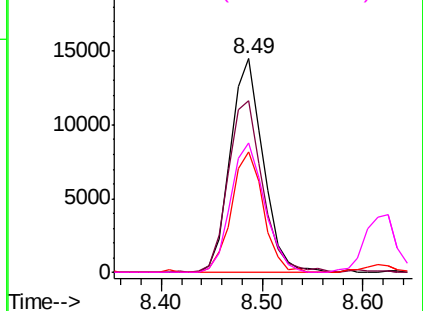


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.124 ug/l

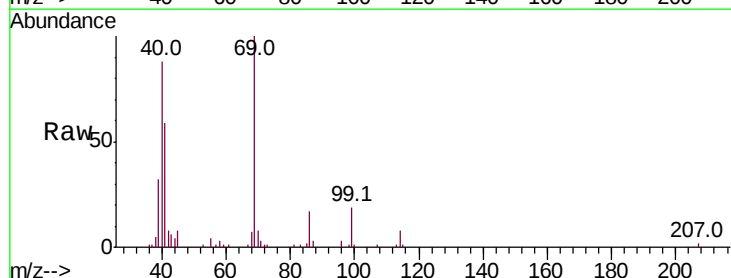
RT: 8.61 min Scan# 810

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

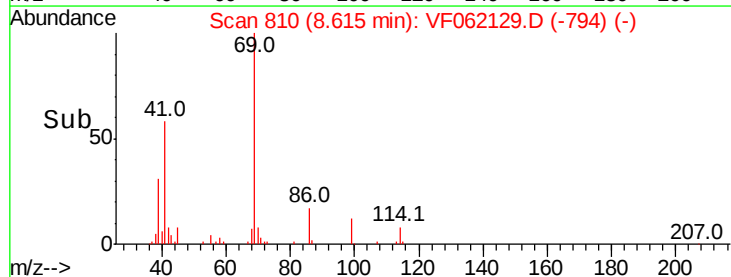
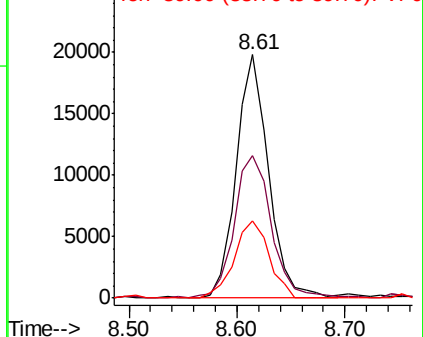
Tgt Ion	Ratio	Resp	Lower	Upper
69	100	41229		
41	58.7	48.2	72.2	
39	31.8	24.0	36.0	

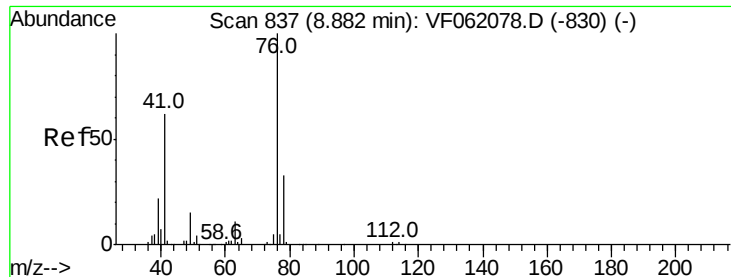


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.653 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 76 Resp: 56032

Ion Ratio Lower Upper

76 100

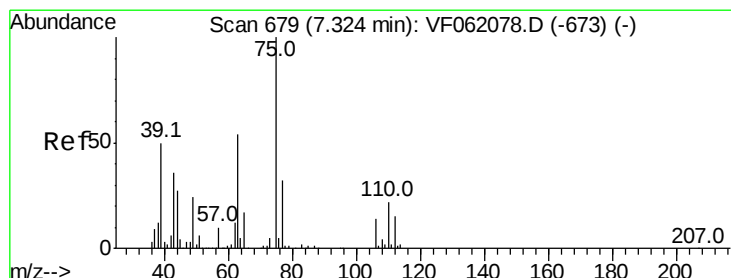
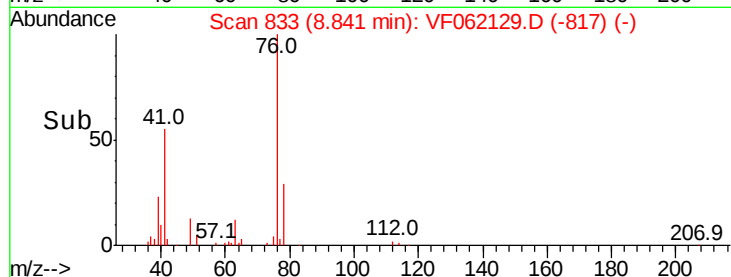
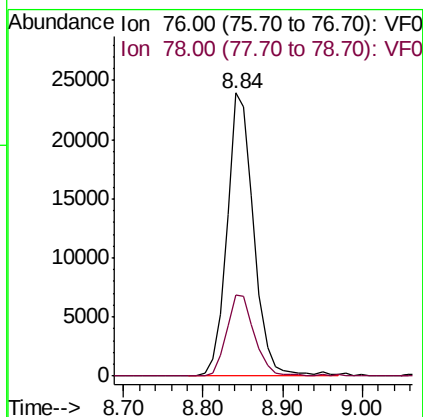
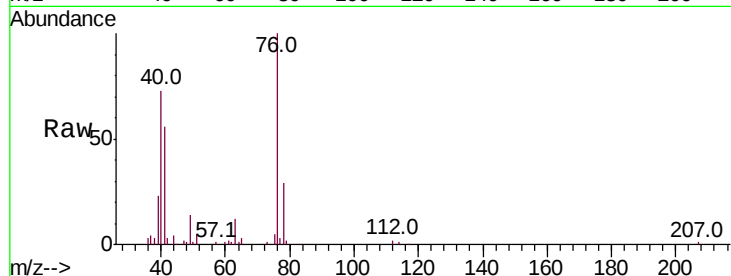
78 28.8 26.6 39.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 99.879 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.03 min

Lab File: VF062129.D

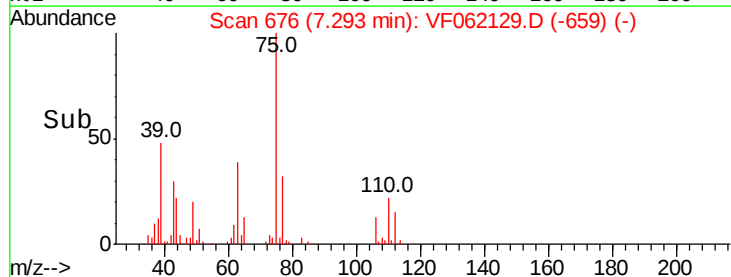
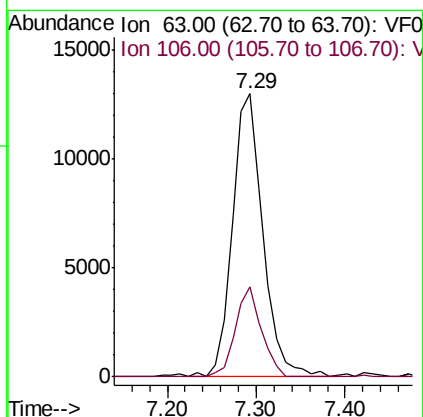
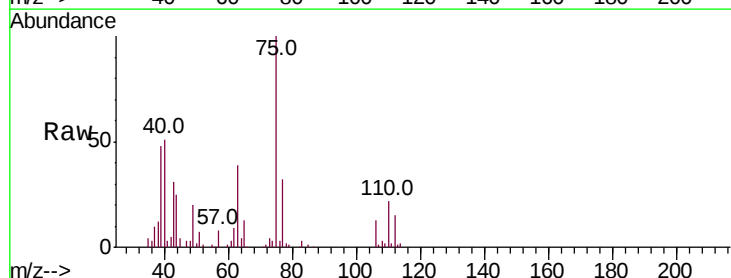
Acq: 25 Mar 2019 14:02

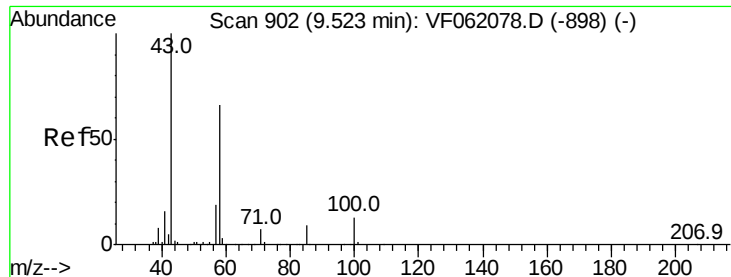
Tgt Ion: 63 Resp: 31050

Ion Ratio Lower Upper

63 100

106 31.9 21.5 32.3





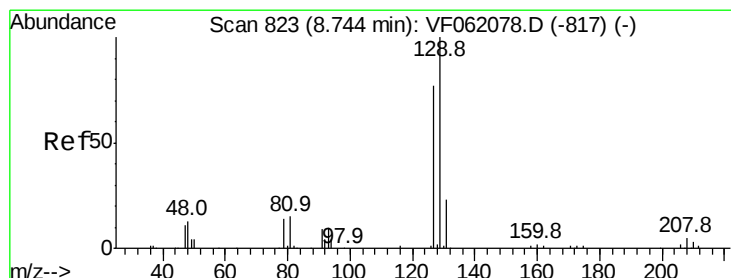
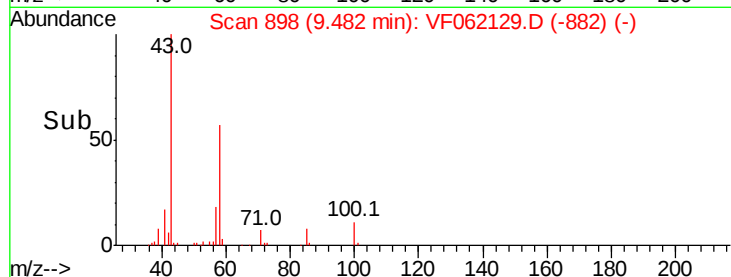
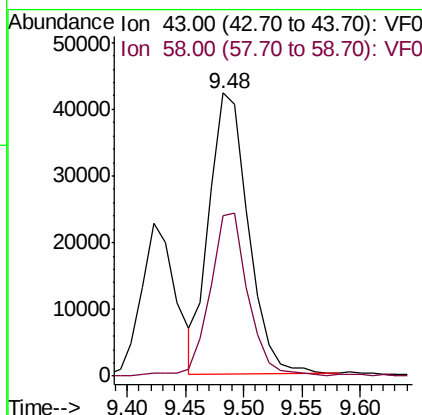
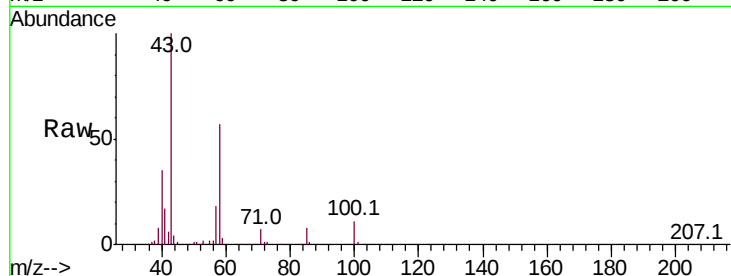
#59
2-Hexanone
Concen: 97.188 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion: 43 Resp: 98278
Ion Ratio Lower Upper
43 100
58 56.5 28.8 86.4

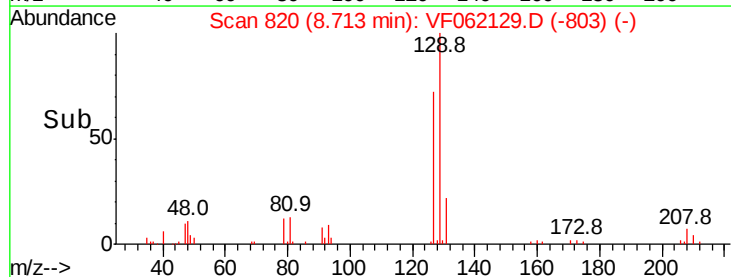
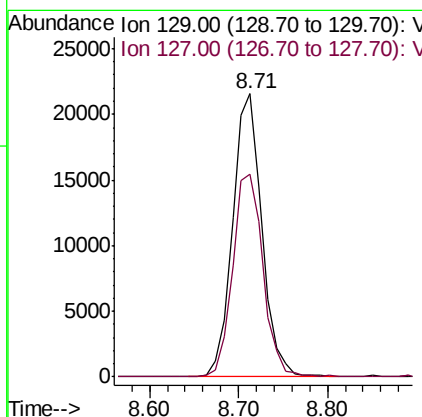
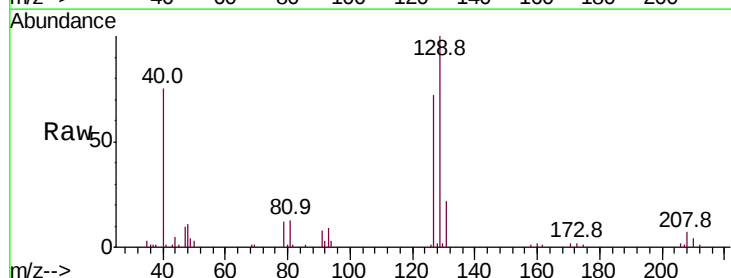
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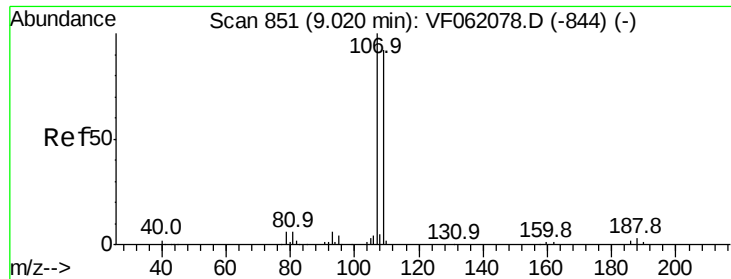
MMDadoda
3/26/2019 3:59:18 PM



#60
Dibromochloromethane
Concen: 20.664 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion: 129 Resp: 49348
Ion Ratio Lower Upper
129 100
127 71.7 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.810 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion:107 Resp: 36307

Ion Ratio Lower Upper

107 100

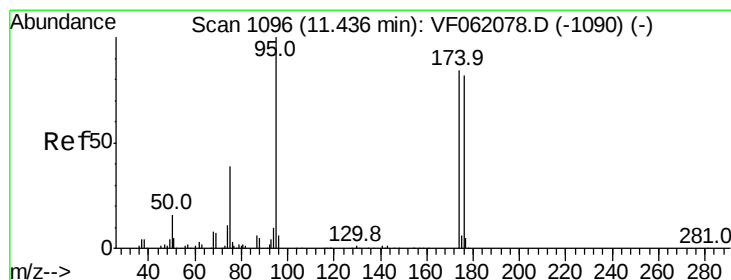
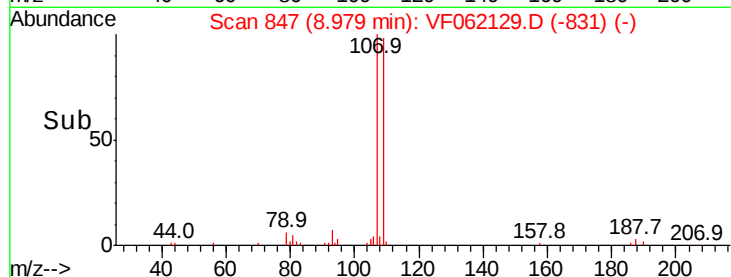
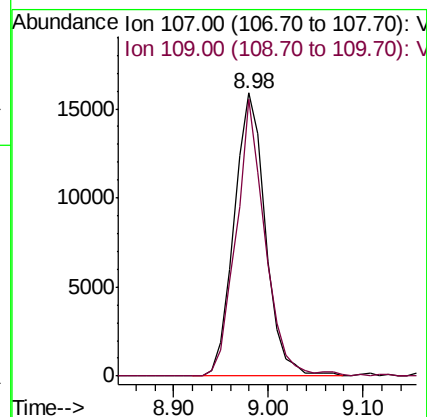
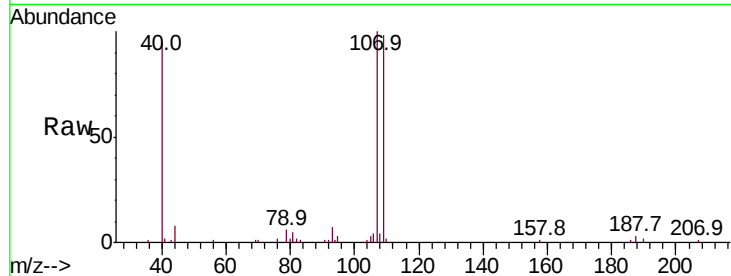
109 97.9 73.4 110.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.083 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

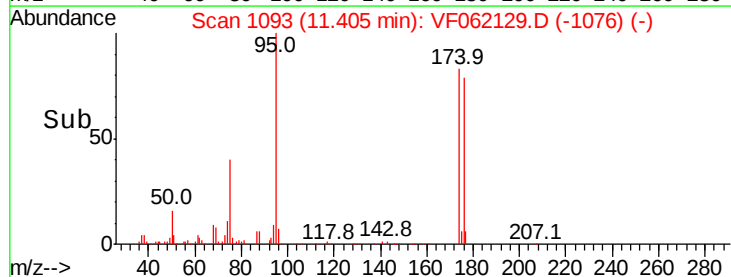
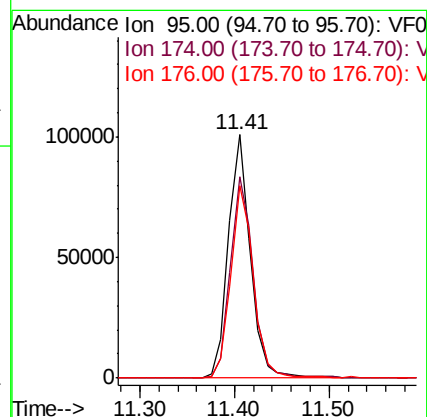
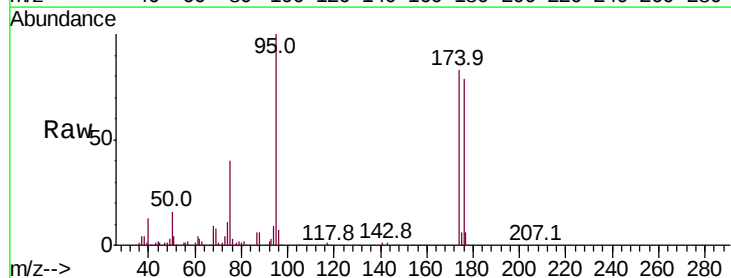
Tgt Ion: 95 Resp: 162833

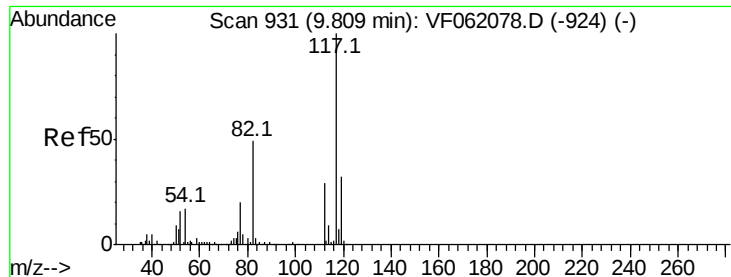
Ion Ratio Lower Upper

95 100

174 83.0 0.0 168.2

176 78.8 0.0 164.2





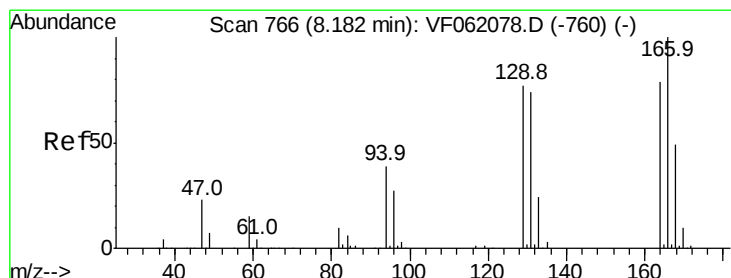
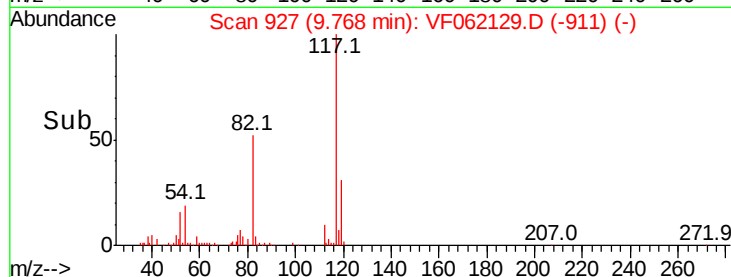
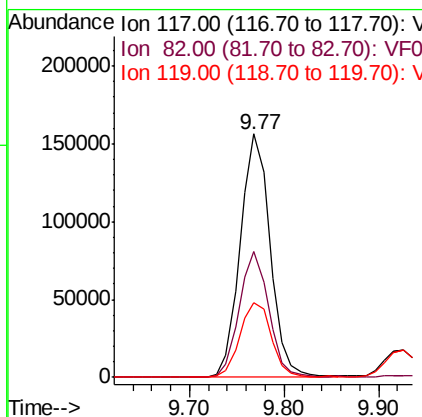
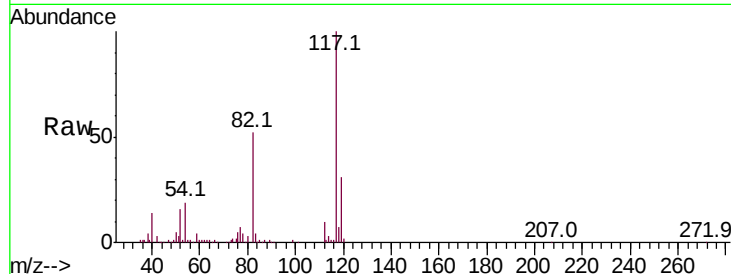
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	52.0	39.2	58.8	
119	30.8	25.4	38.2	

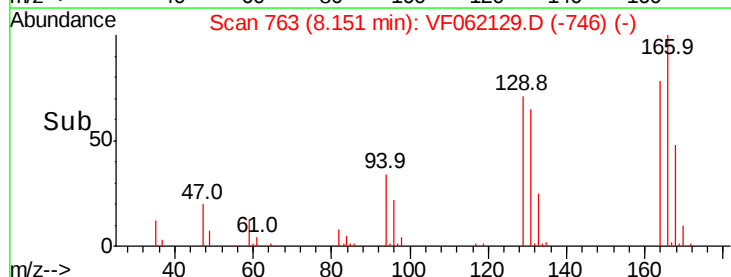
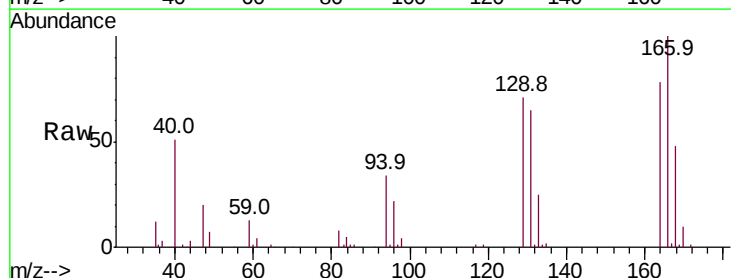
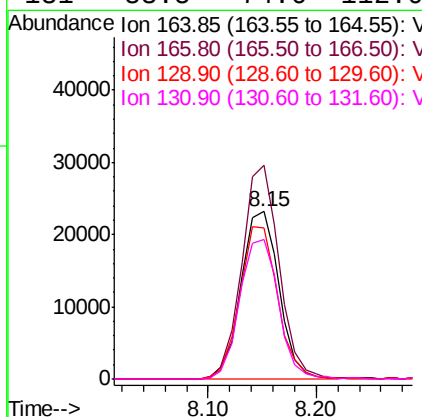
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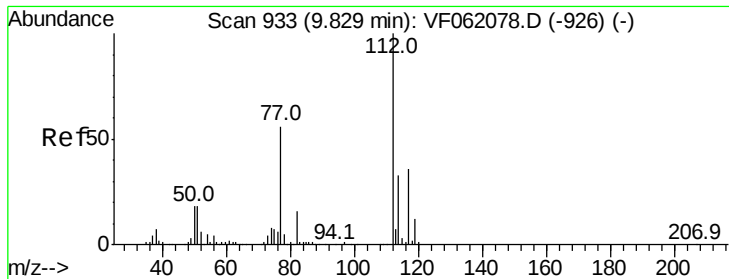
MMDadoda
3/26/2019 3:59:18 PM



#64
Tetrachloroethene
Concen: 21.478 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.6	100.9	151.3	
129	90.2	77.9	116.9	
131	83.5	74.6	112.0	





#65

Chlorobenzene

Concen: 20.444 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion:112 Resp: 131517

Ion Ratio Lower Upper

112 100

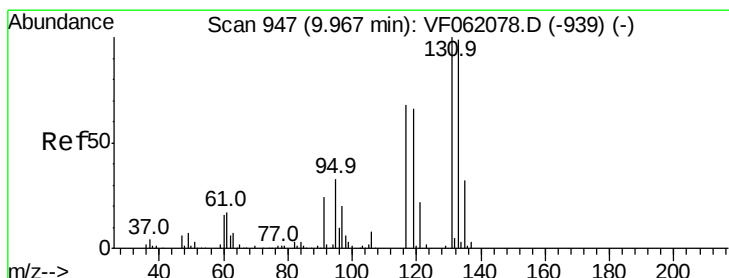
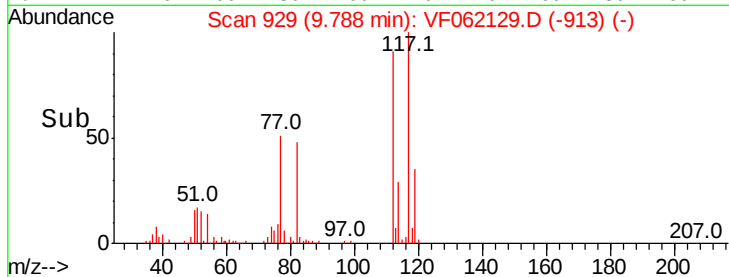
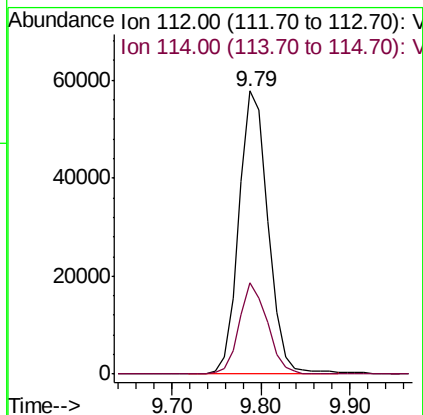
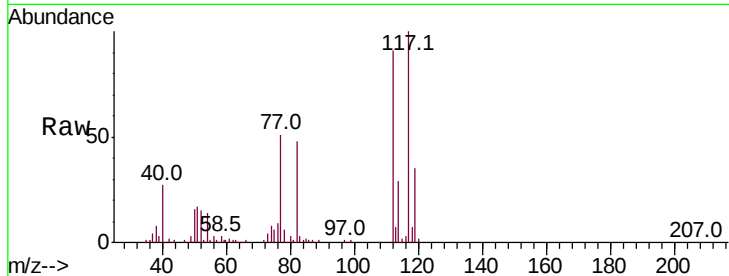
114 32.4 26.0 39.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.048 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.04 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

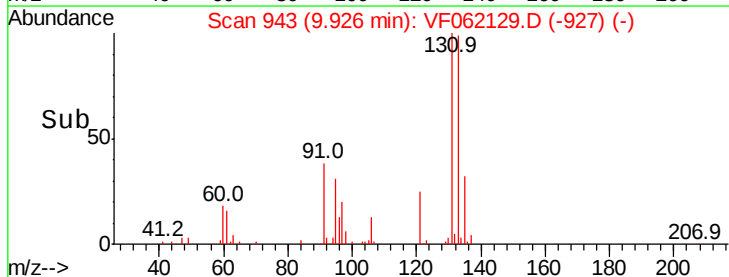
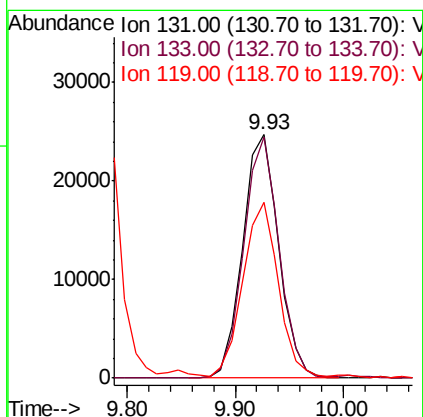
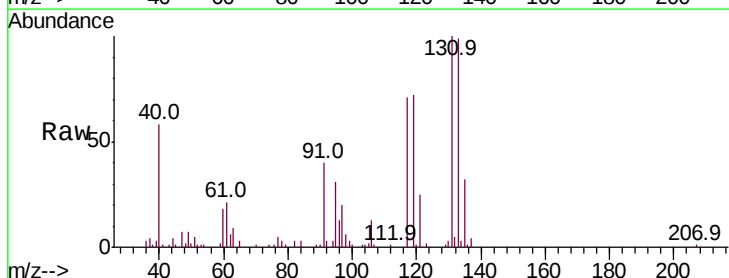
Tgt Ion:131 Resp: 56973

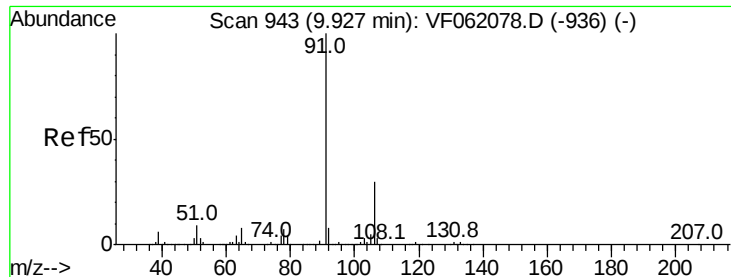
Ion Ratio Lower Upper

131 100

133 98.9 49.3 147.8

119 72.3 33.5 100.4





#67

Ethyl Benzene

Concen: 22.577 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 91 Resp: 252579

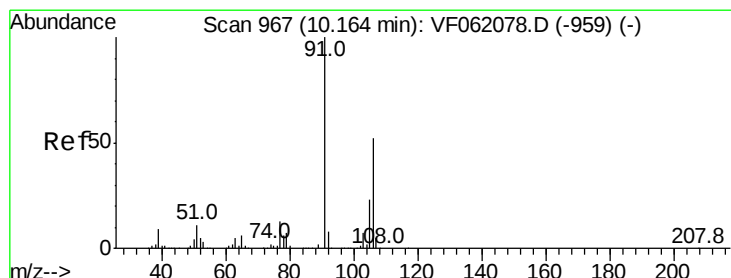
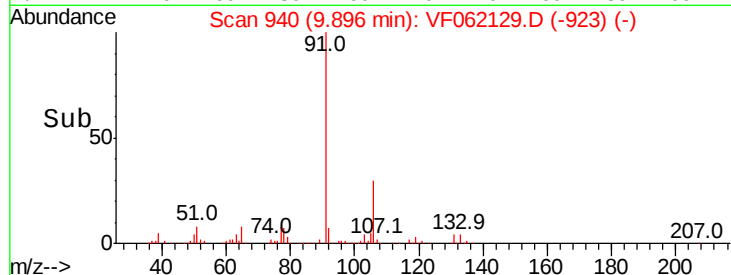
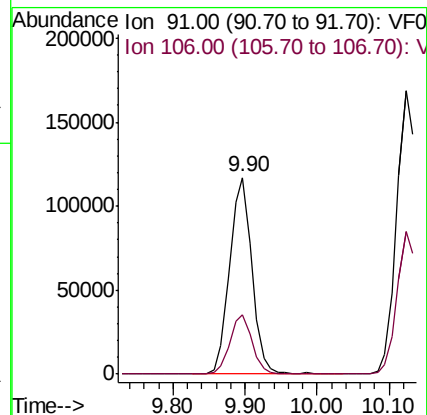
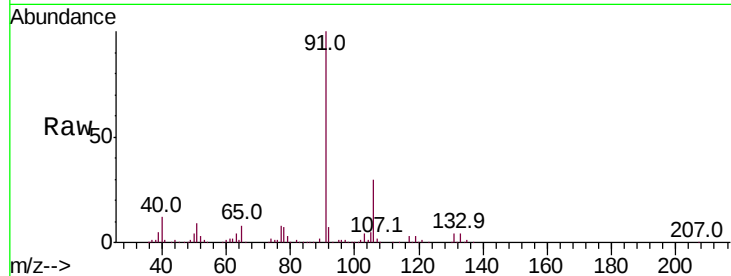
Ion Ratio Lower Upper

91 100

106 30.0 24.0 36.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 43.037 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF062129.D

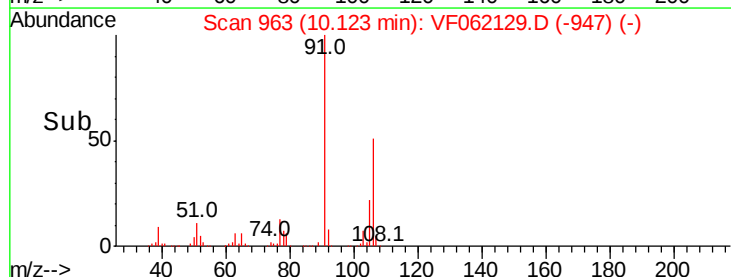
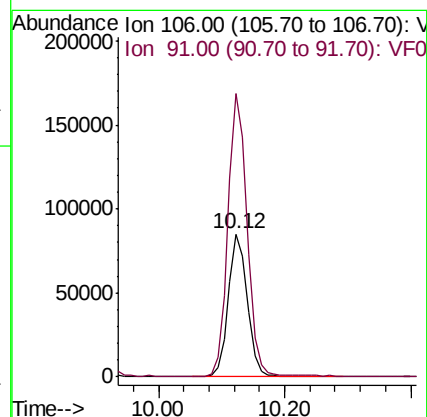
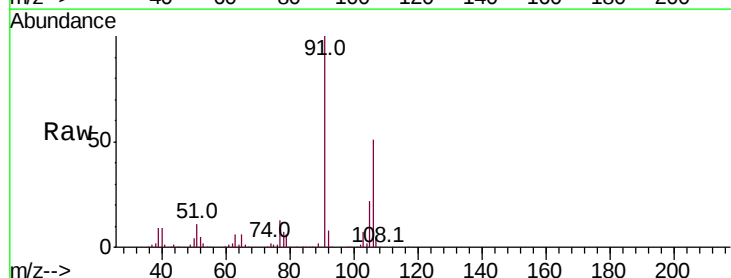
Acq: 25 Mar 2019 14:02

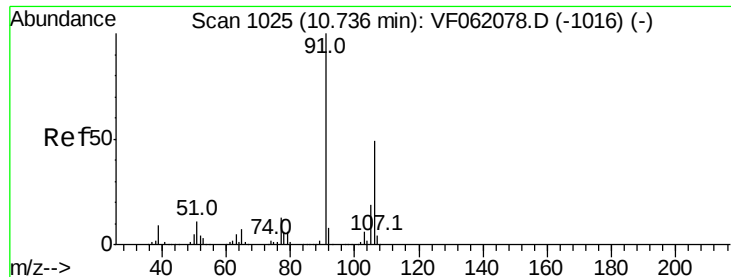
Tgt Ion: 106 Resp: 179958

Ion Ratio Lower Upper

106 100

91 197.8 154.4 231.6





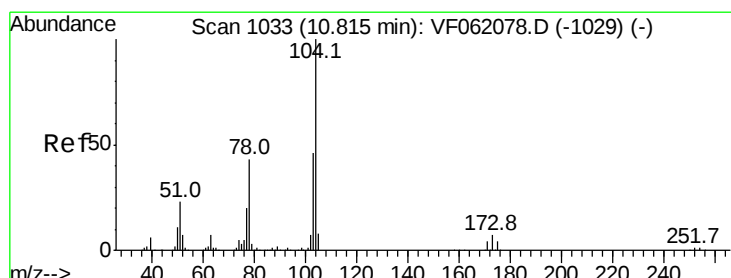
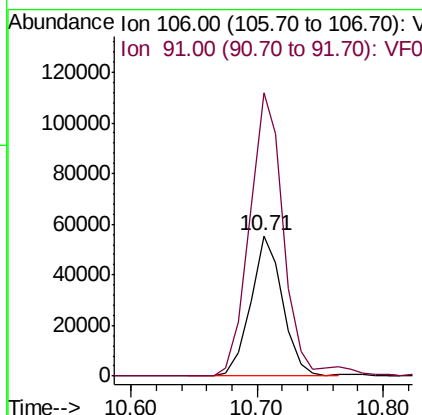
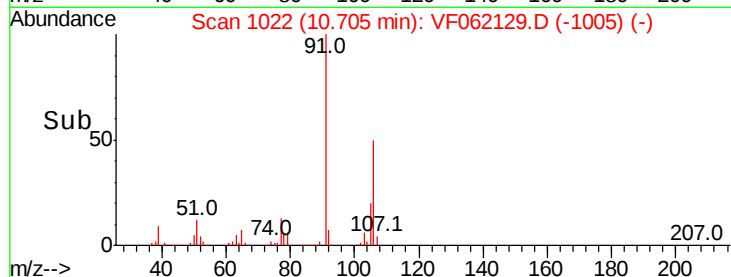
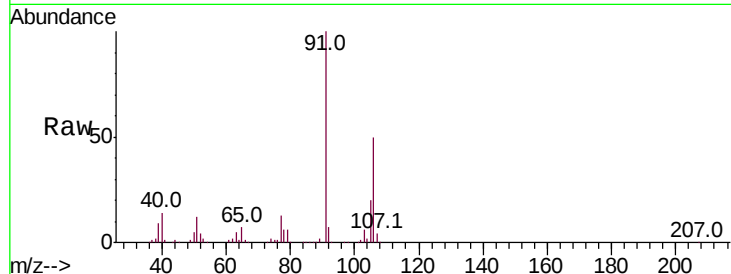
#69
o-Xylene
Concen: 22.353 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion:106 Resp: 97896
Ion Ratio Lower Upper
106 100
91 201.7 102.6 307.8

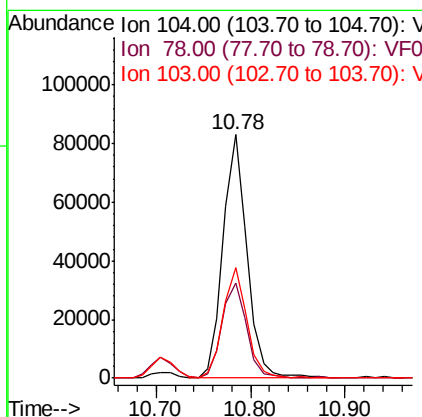
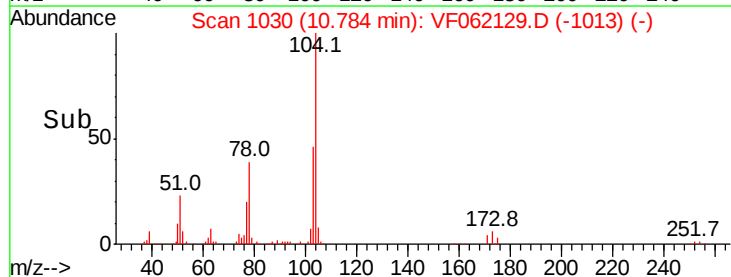
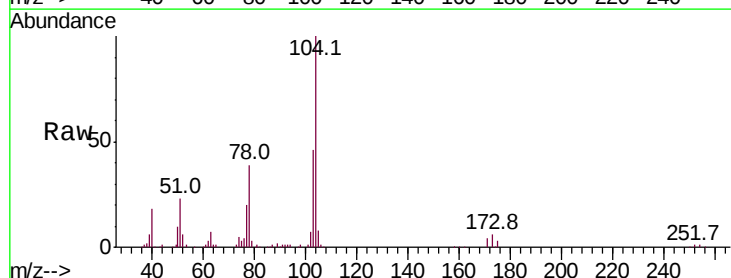
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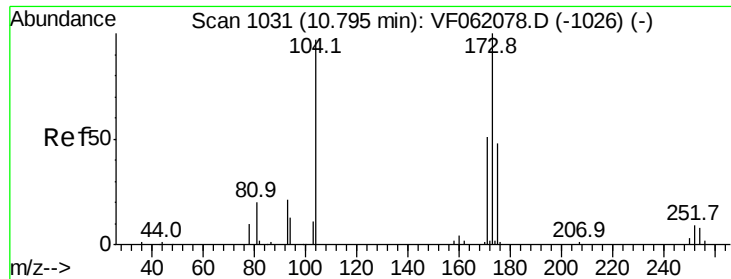
MMDadoda
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#70
Styrene
Concen: 21.839 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion:104 Resp: 144916
Ion Ratio Lower Upper
104 100
78 39.3 34.3 51.5
103 45.6 36.9 55.3





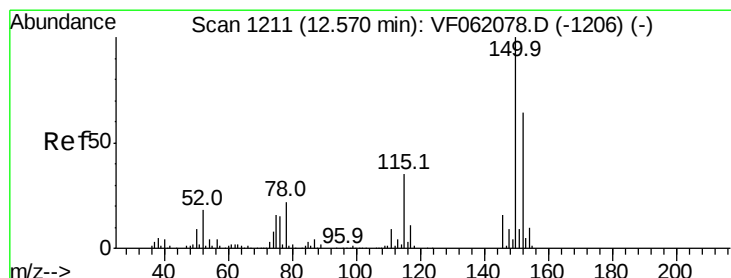
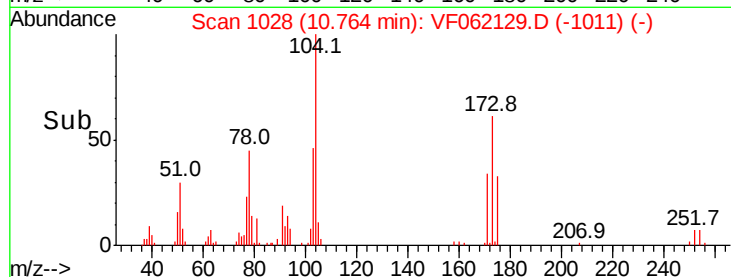
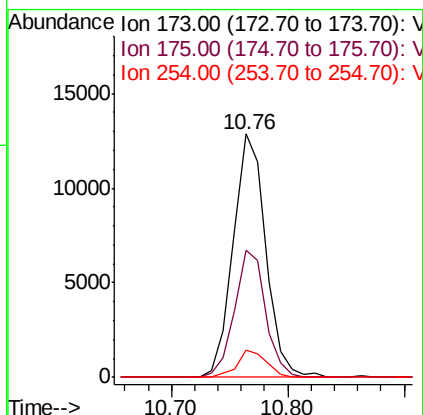
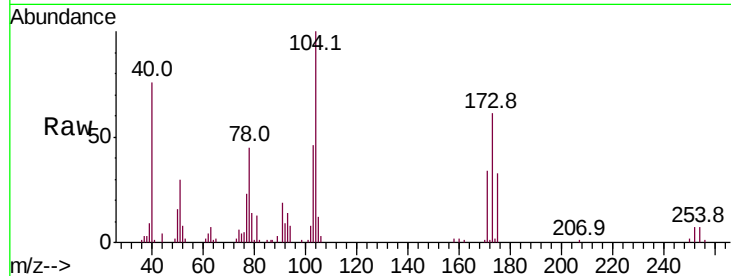
#71
Bromoform
Concen: 18.854 ug/l
RT: 10.76 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.0	24.1	72.4
254	11.5	6.2	9.4

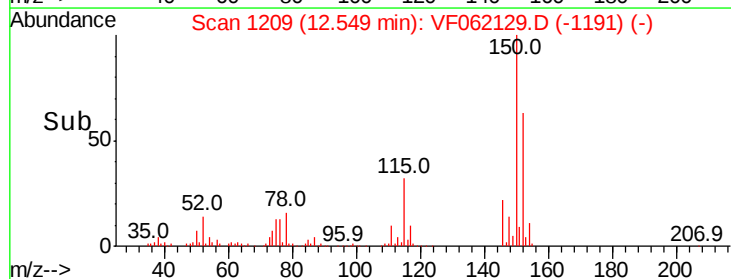
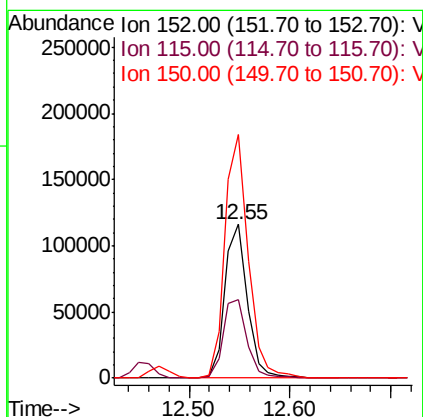
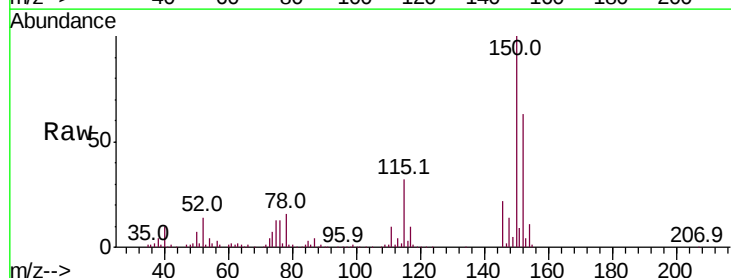
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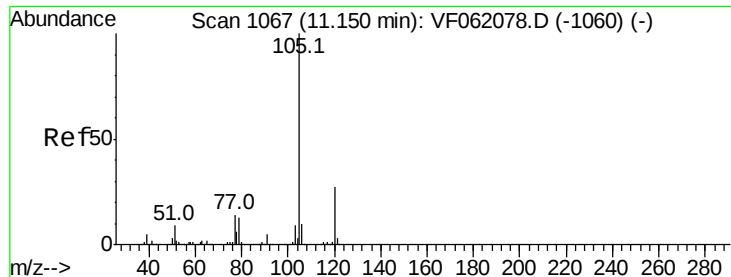
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.4	27.7	83.1
150	158.2	0.0	313.2





#73

Isopropylbenzene

Concen: 22.339 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 105 Resp: 285030

Ion Ratio Lower Upper

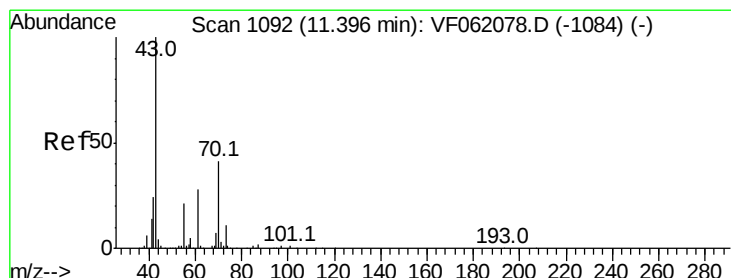
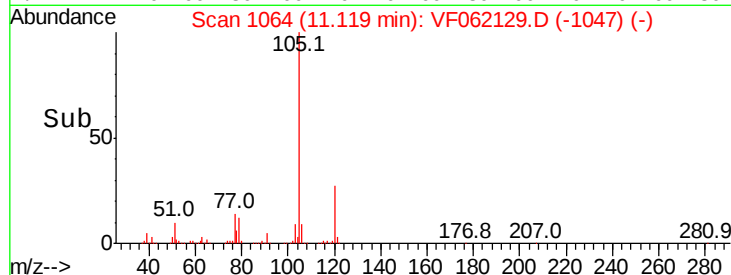
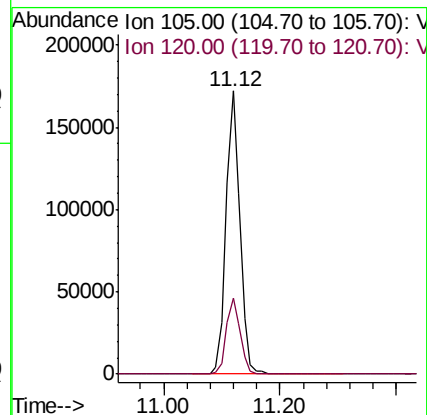
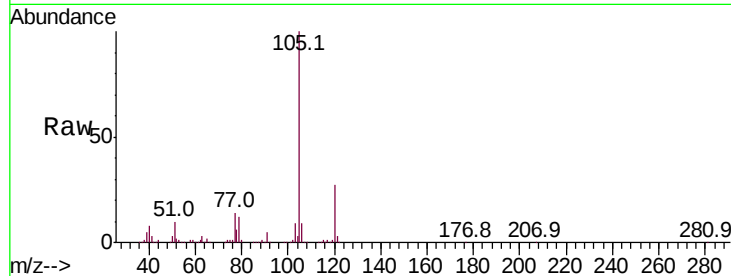
105 100

120 26.9 13.8 41.3

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#74

N-ethyl acetate

Concen: 20.557 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion: 43 Resp: 62497

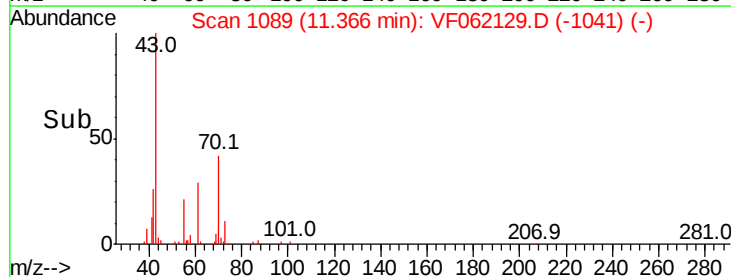
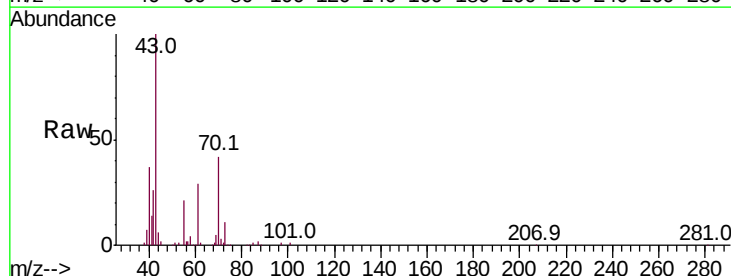
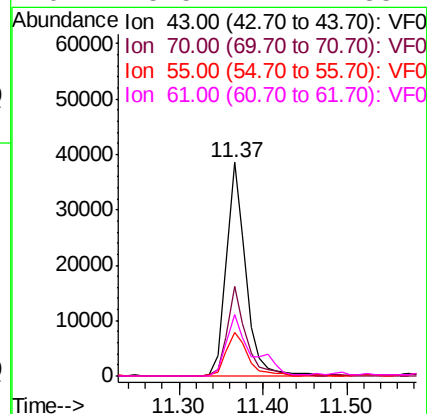
Ion Ratio Lower Upper

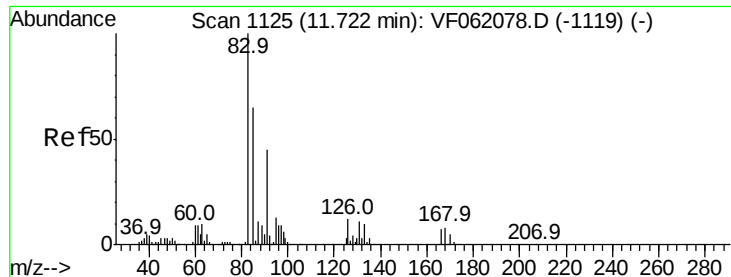
43 100

70 42.0 32.9 49.3

55 20.6 17.1 25.7

61 28.5 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.585 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

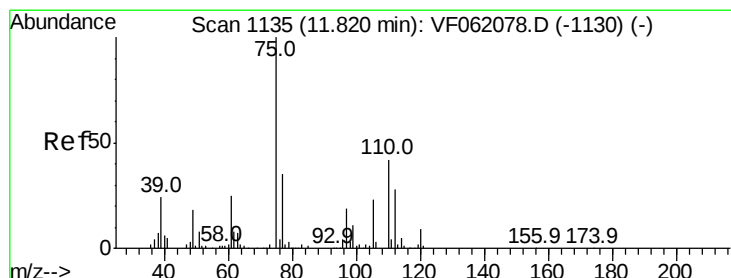
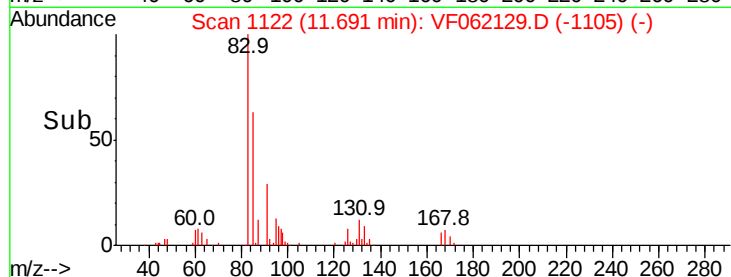
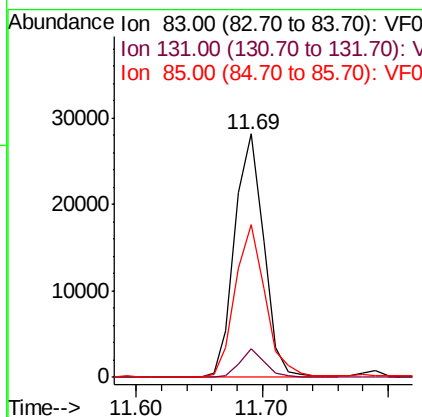
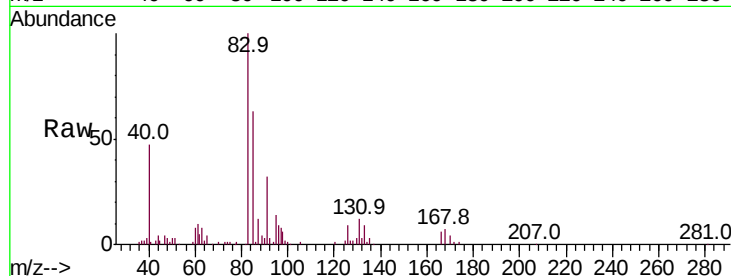
ClientSampleId :

VF0325SBS01

Tot Ion:	83	Resp:	45097
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.3	15.8
85	62.6	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.944 ug/l

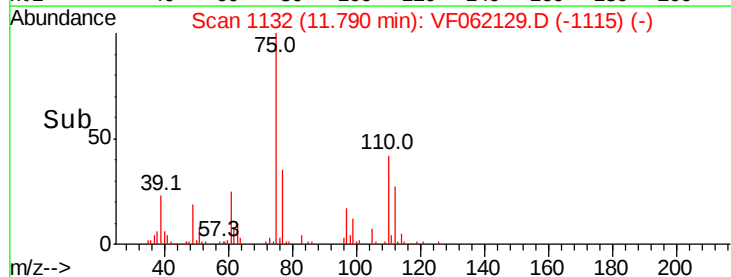
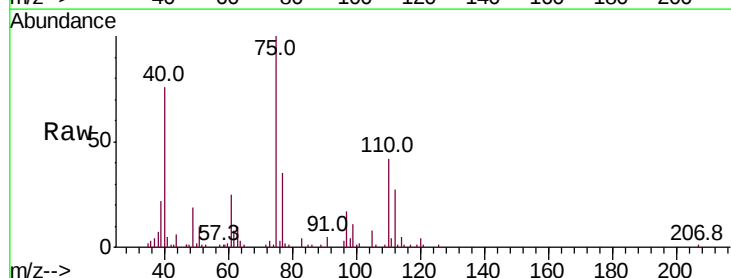
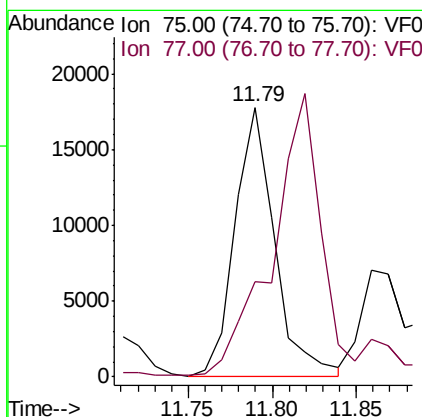
RT: 11.79 min Scan# 1132

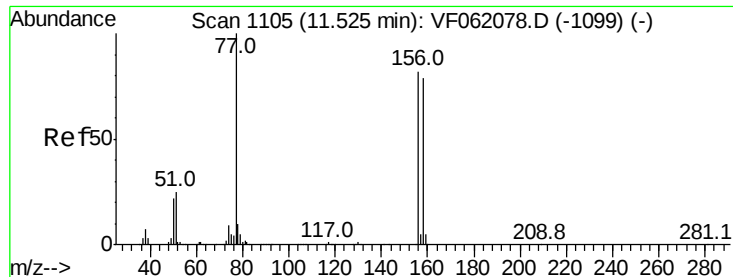
Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion:	75	Resp:	29207
Ion Ratio	Lower	Upper	
75	100		
77	35.4	17.8	53.3





#77

Bromobenzene

Concen: 19.893 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

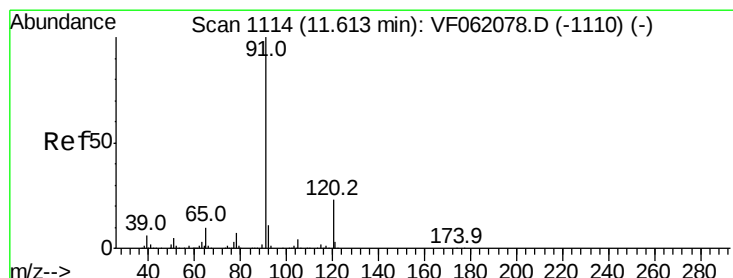
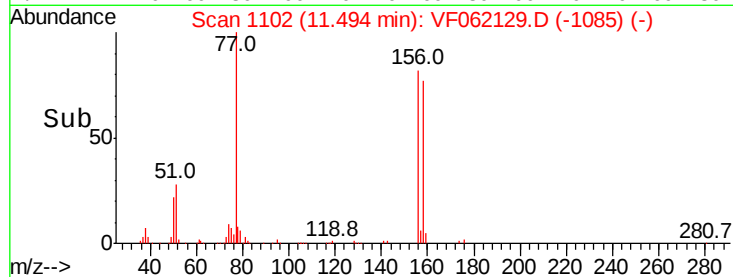
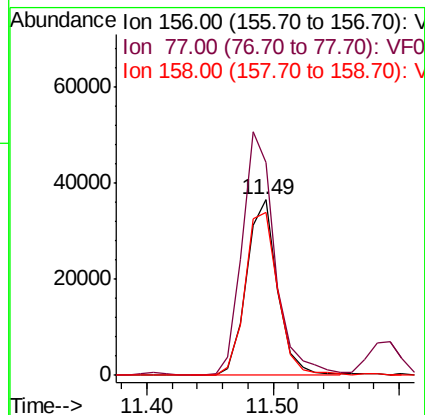
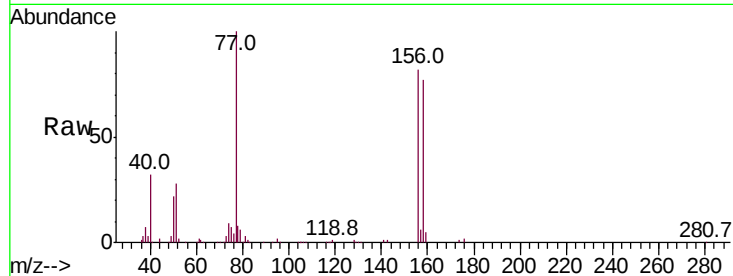
ClientSampleId :

VF0325SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	121.4	61.3	183.9
158	92.9	48.6	145.9

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#78

n-propylbenzene

Concen: 21.410 ug/l

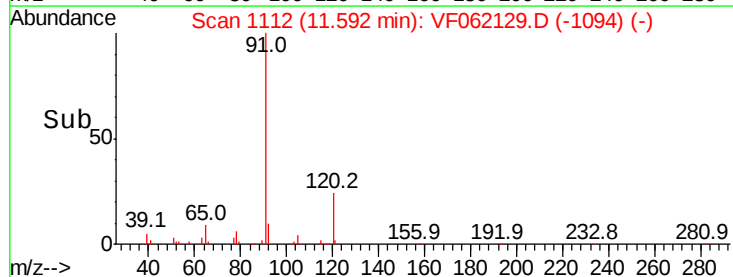
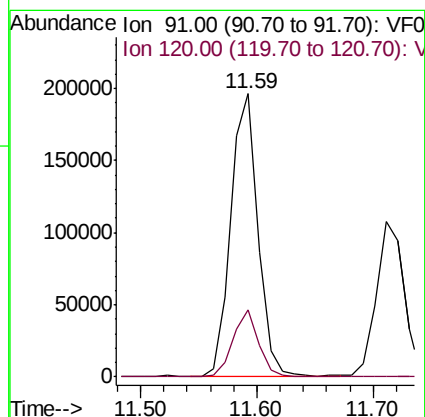
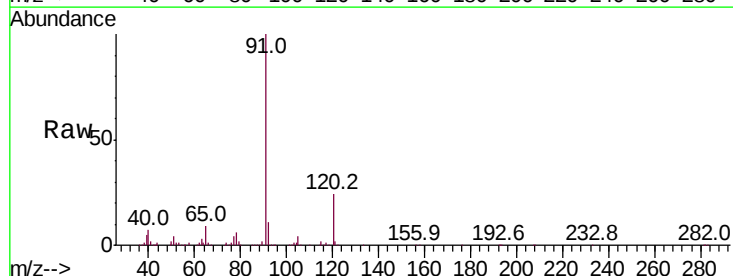
RT: 11.59 min Scan# 1112

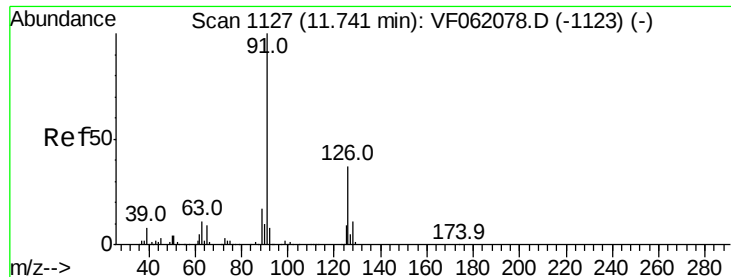
Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.3	33.8





#79

2-Chlorotoluene

Concen: 21.387 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion: 91 Resp: 176124

Ion Ratio Lower Upper

91 100

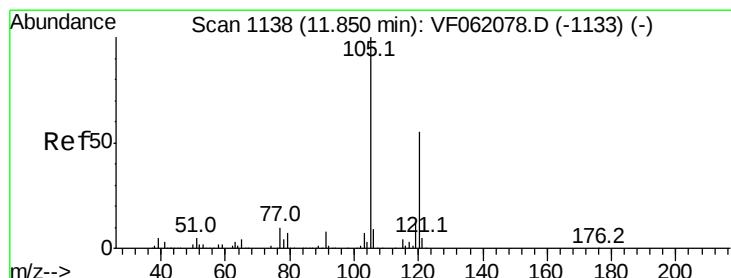
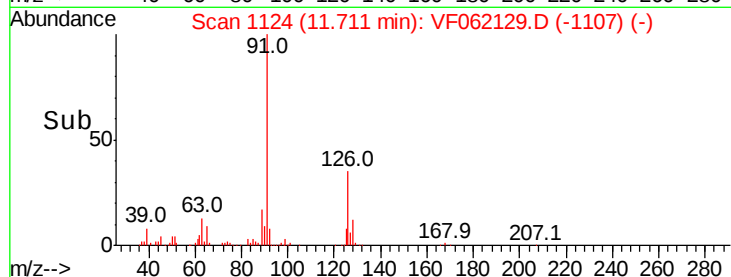
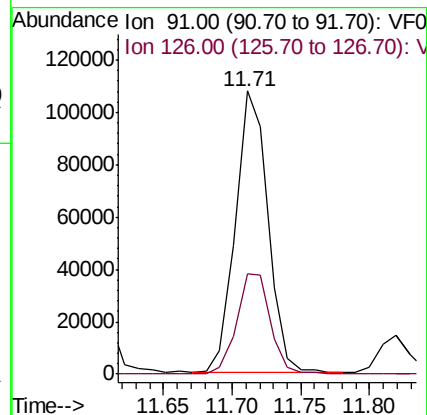
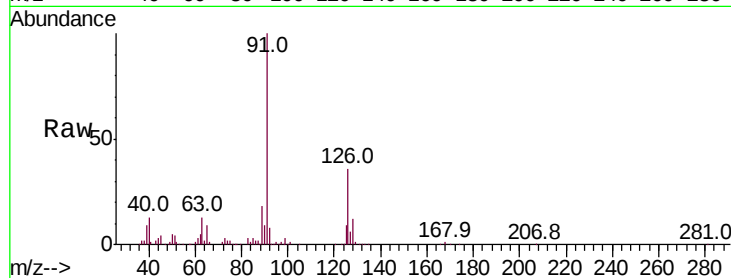
126 35.6 18.3 54.8

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#80

1,3,5-Trimethylbenzene

Concen: 21.639 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF062129.D

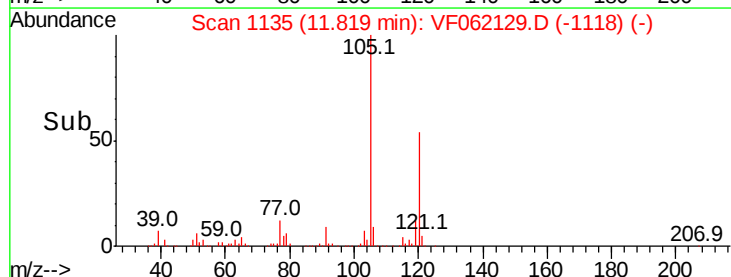
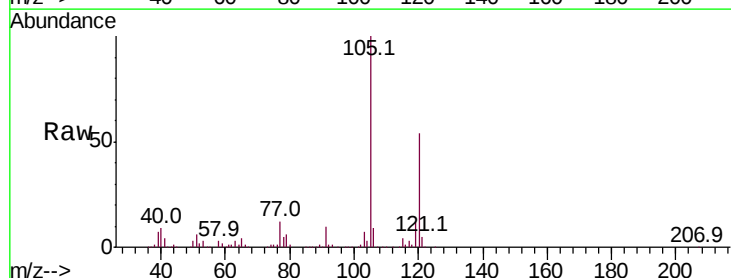
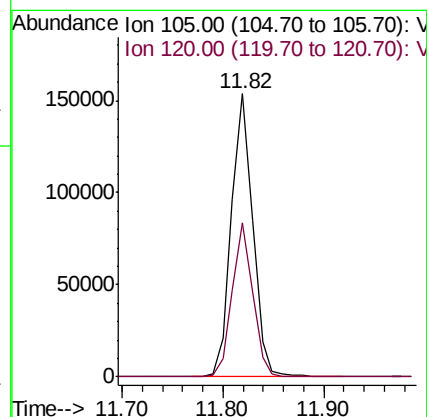
Acq: 25 Mar 2019 14:02

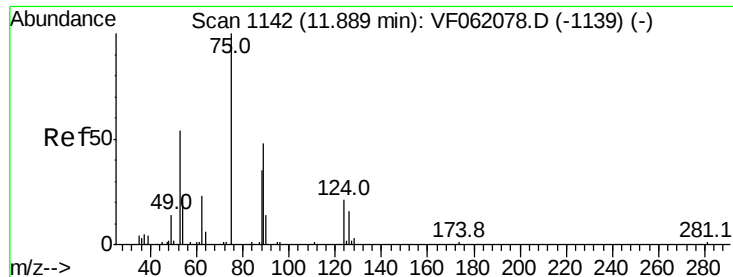
Tgt Ion: 105 Resp: 227104

Ion Ratio Lower Upper

105 100

120 54.3 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.237 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

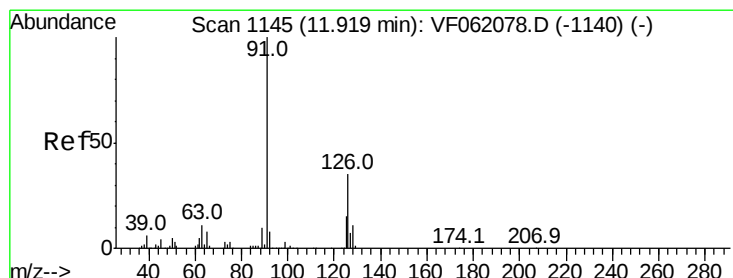
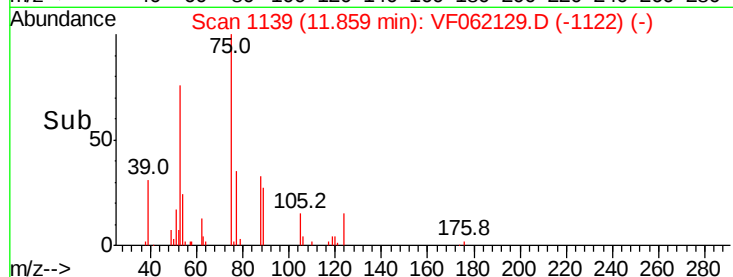
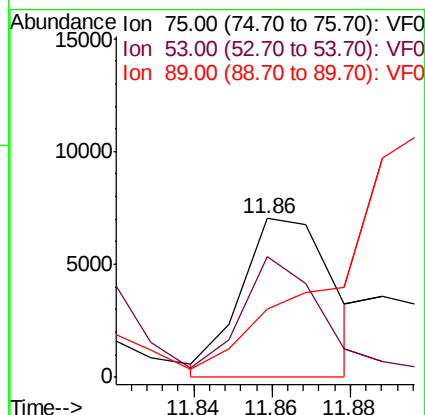
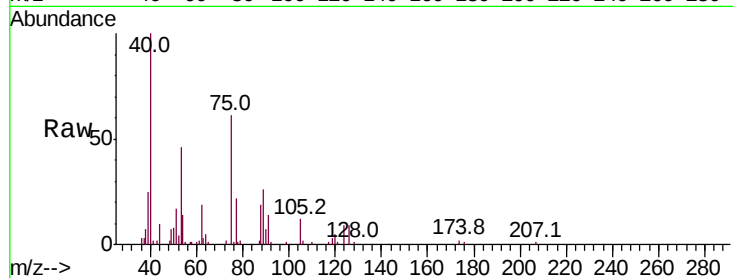
ClientSampleId :

VF0325SBS01

Tot Ion:	75	Resp:	11457
Ion Ratio	Lower	Upper	
75	100		
53	75.6	49.4	74.0#
89	42.6	40.6	60.8

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#82

4-Chlorotoluene

Concen: 21.275 ug/l

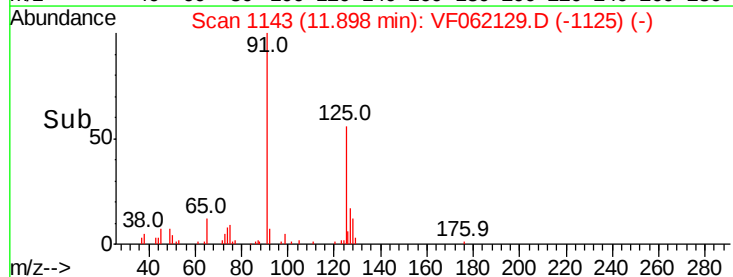
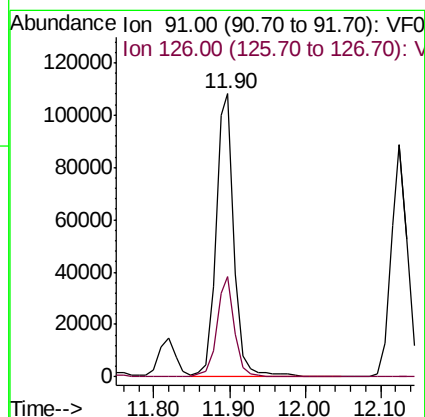
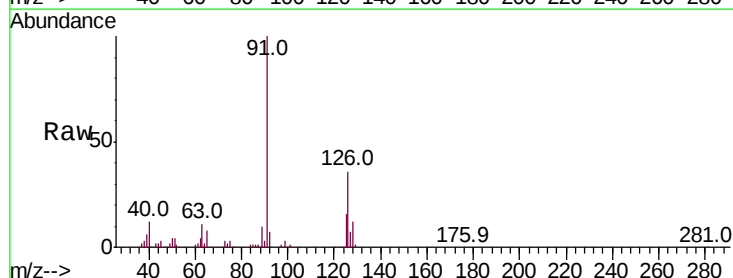
RT: 11.90 min Scan# 1143

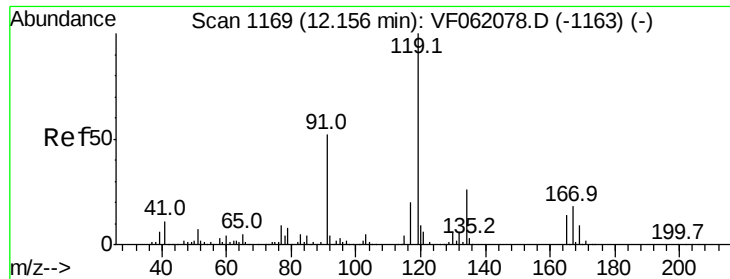
Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion:	91	Resp:	179636
Ion Ratio	Lower	Upper	
91	100		
126	35.6	17.2	51.6





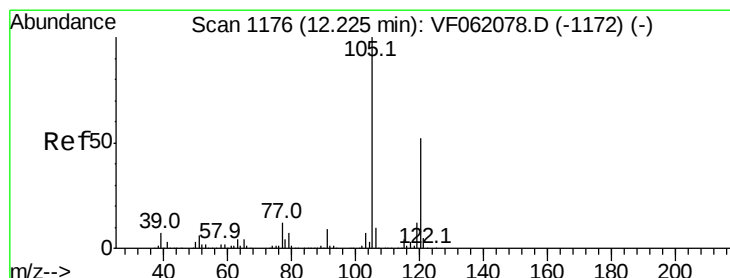
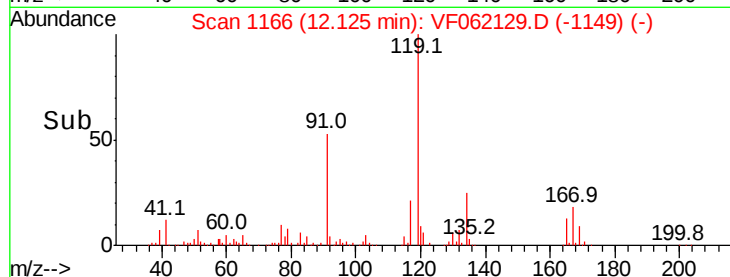
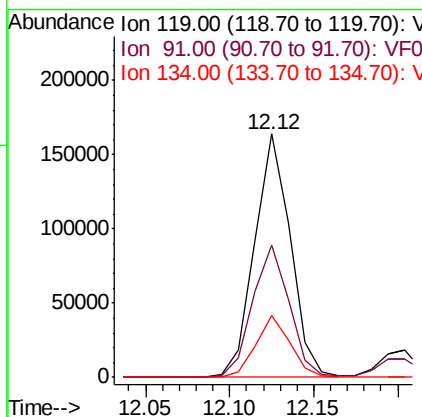
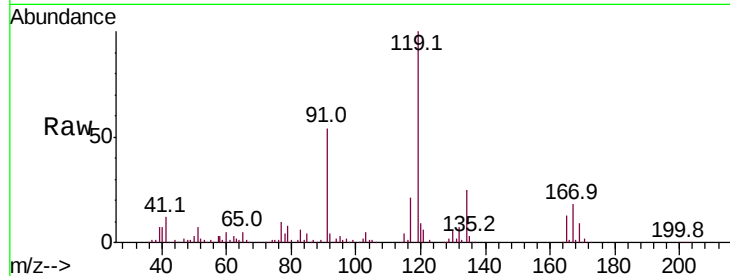
#83
tert-Butylbenzene
Concen: 22.087 ug/l
RT: 12.12 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242657		
91	54.2	26.1	78.2	
134	25.4	12.8	38.4	

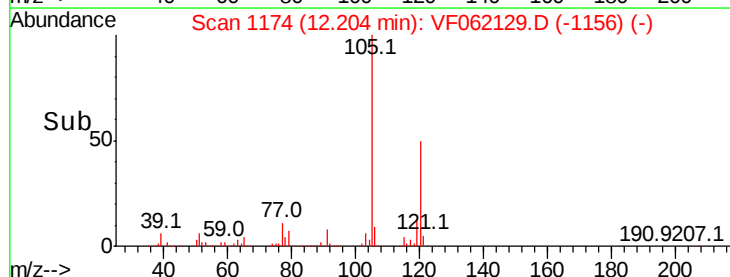
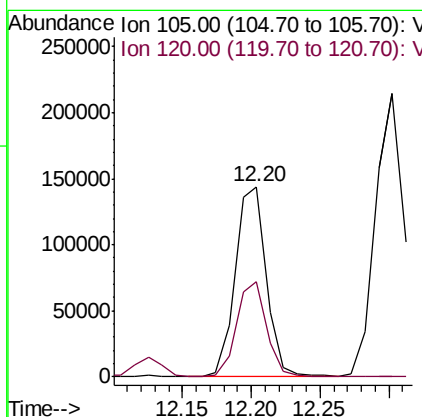
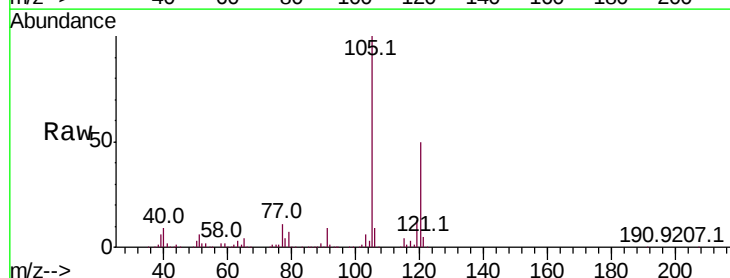
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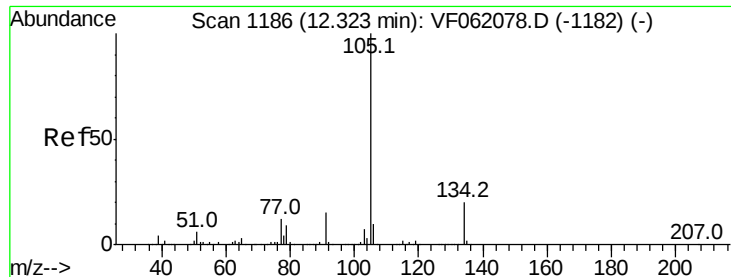
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#84
1,2,4-Trimethylbenzene
Concen: 21.979 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226128		
120	49.8	26.1	78.2	





#85

sec-Butylbenzene

Concen: 22.293 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0325SBS01

Tot Ion:105 Resp: 316845

Ion Ratio Lower Upper

105 100

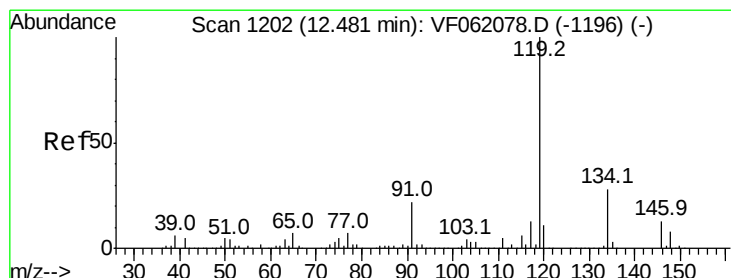
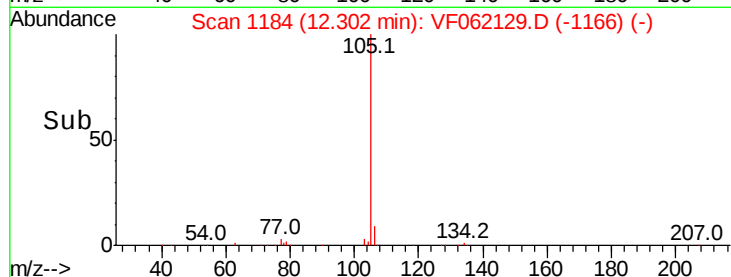
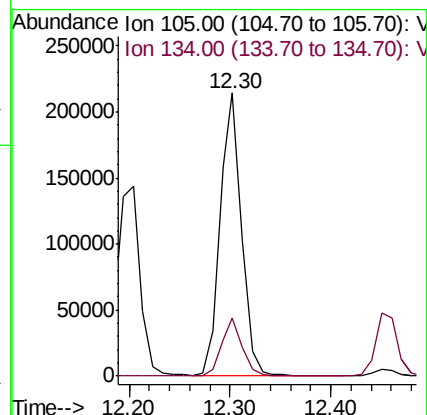
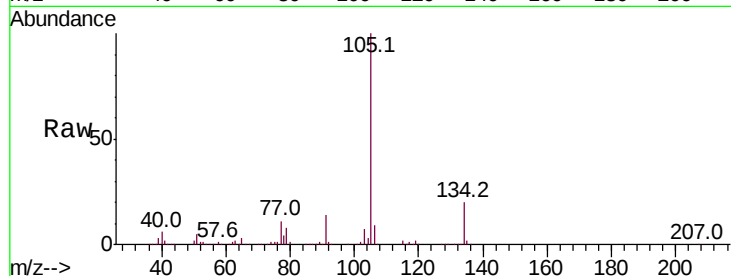
134 20.3 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 22.453 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

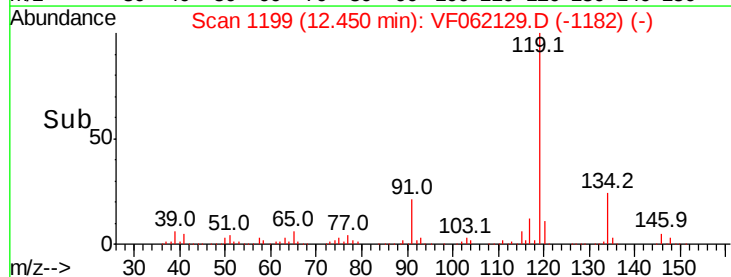
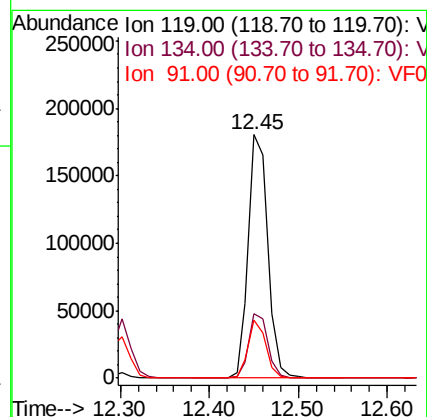
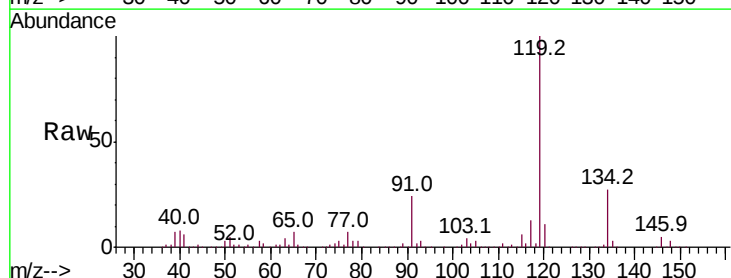
Tgt Ion:119 Resp: 276477

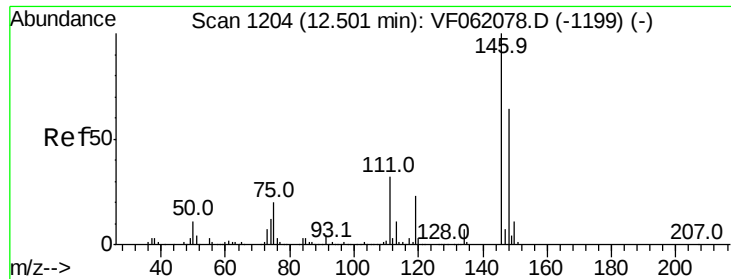
Ion Ratio Lower Upper

119 100

134 26.5 14.0 42.0

91 23.9 10.8 32.4





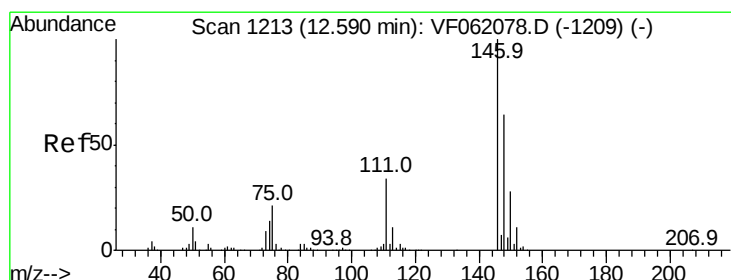
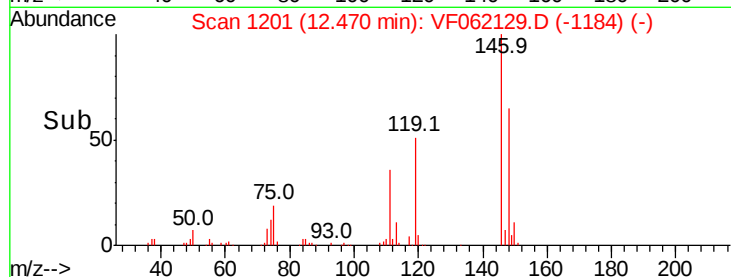
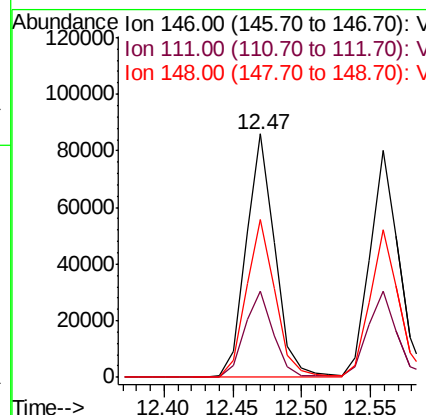
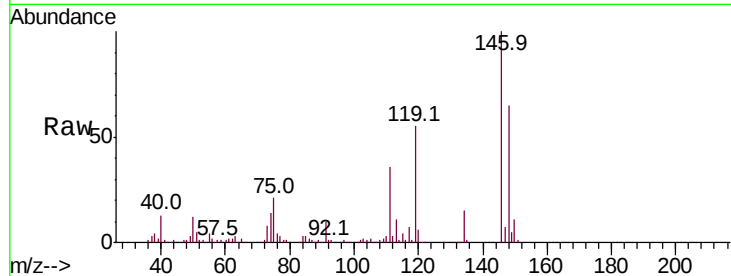
#87
 1,3-Dichlorobenzene
 Concen: 21.747 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	125949		
111	35.6	16.1	48.3	
148	64.6	31.9	95.7	

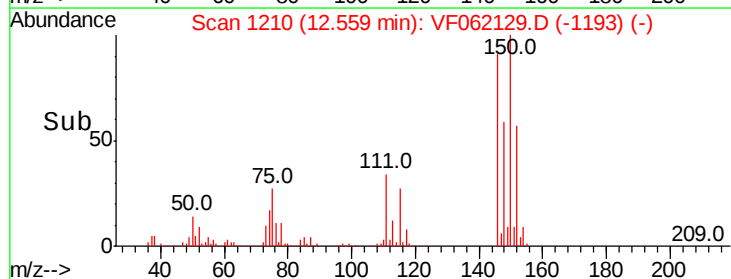
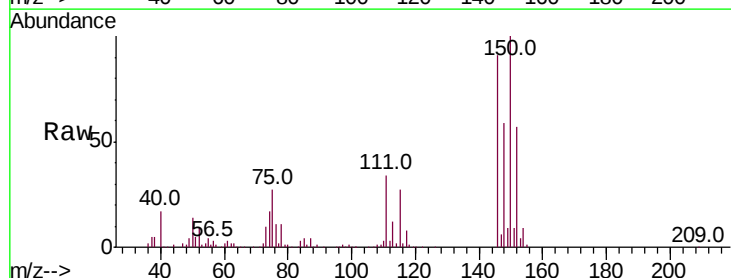
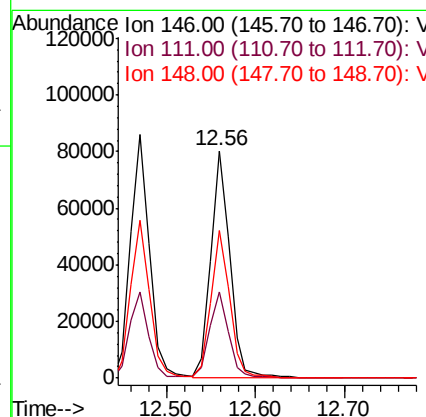
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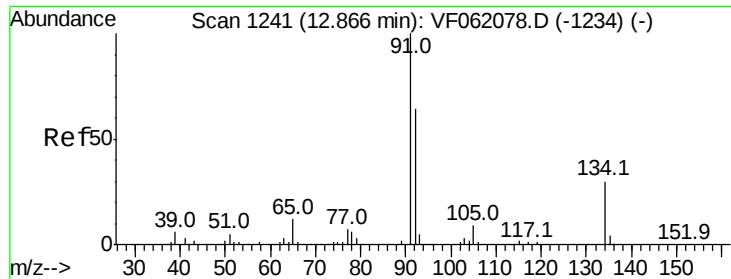
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#88
 1,4-Dichlorobenzene
 Concen: 20.995 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.03 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118647		
111	37.7	16.9	50.6	
148	64.9	31.9	95.7	





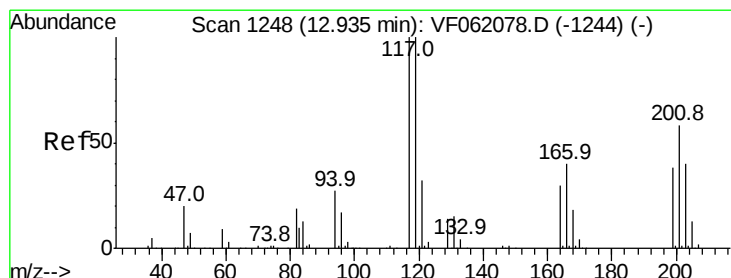
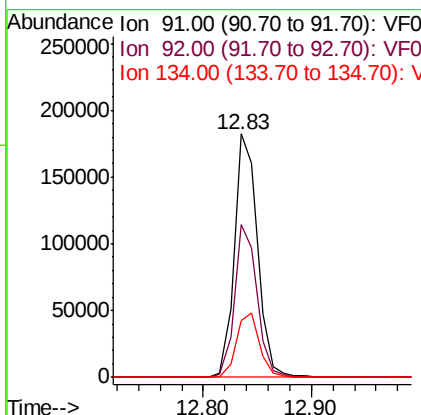
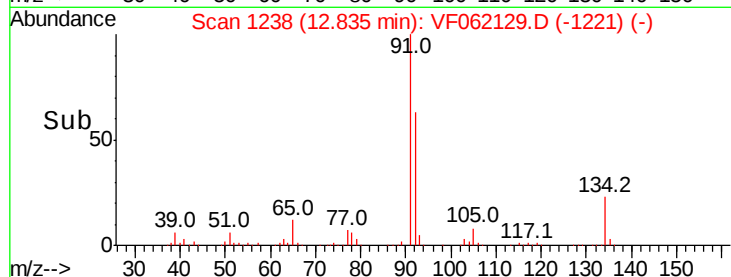
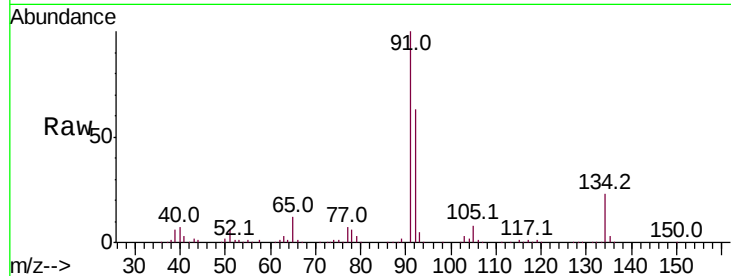
#89
n-Butylbenzene
Concen: 23.130 ug/l
RT: 12.83 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0325SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	271723		
92	63.0		31.9	95.5
134	23.3		14.9	44.9

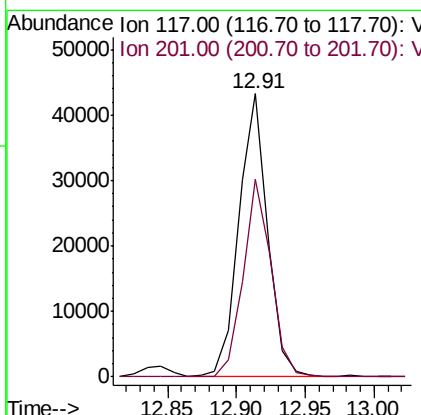
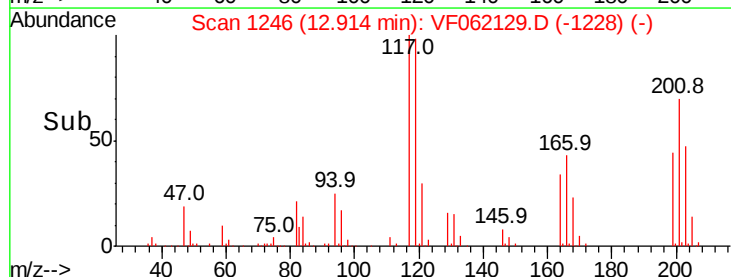
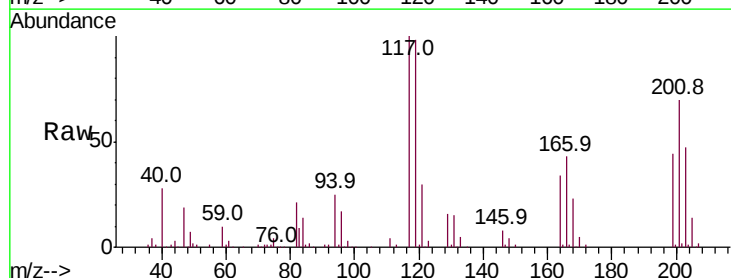
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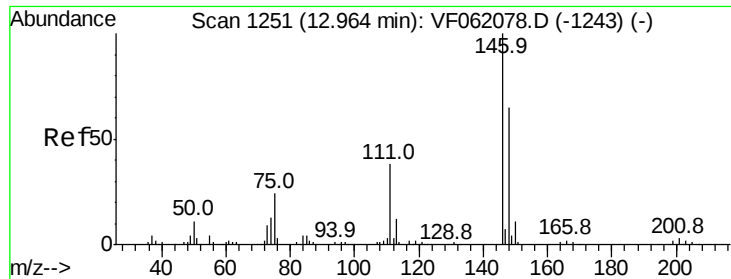
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#90
Hexachloroethane
Concen: 21.469 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF062129.D
Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62946		
201	70.0		28.7	86.1





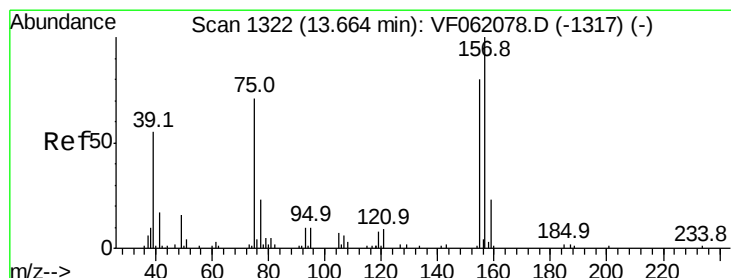
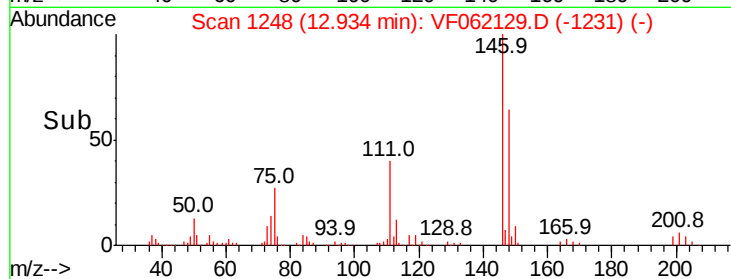
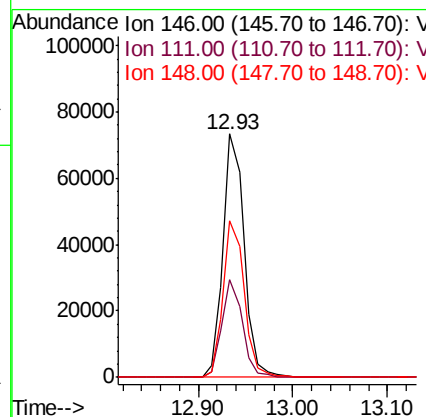
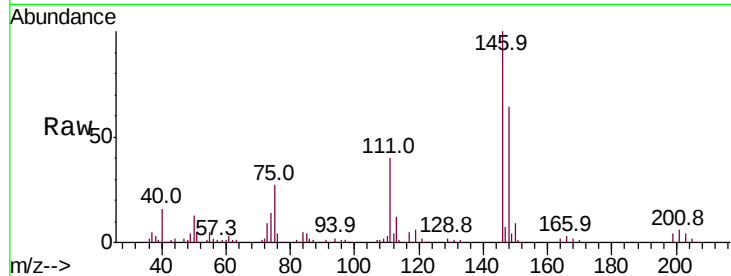
#91
 1,2-Dichlorobenzene
 Concen: 21.069 ug/l
 RT: 12.93 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.1	57.3
148	64.1	32.8	98.3

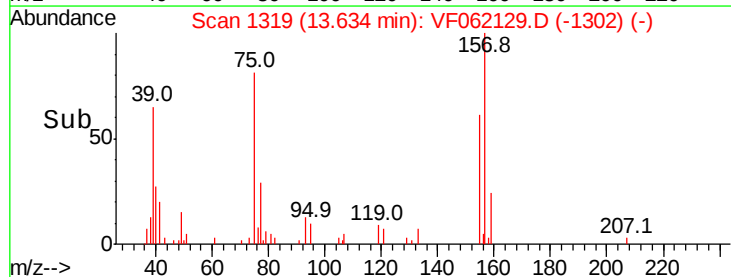
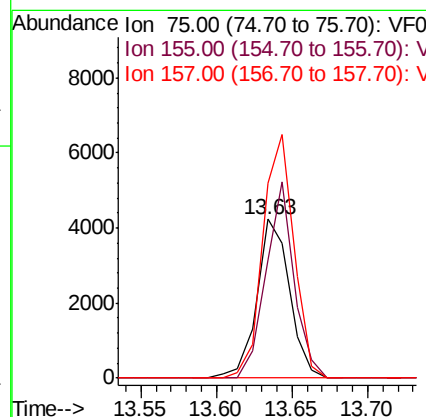
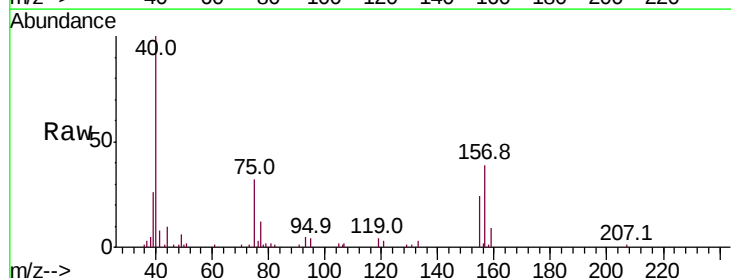
Manual Integrations
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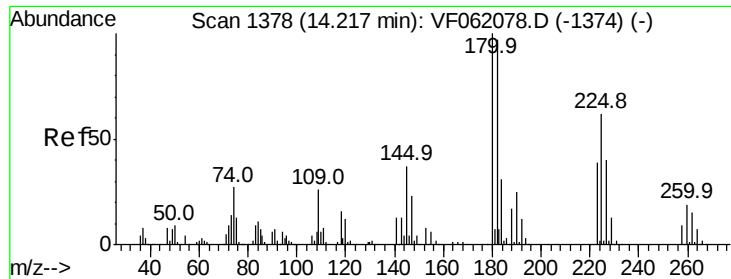
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.329 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	56.1	168.4
157	122.8	70.4	211.2





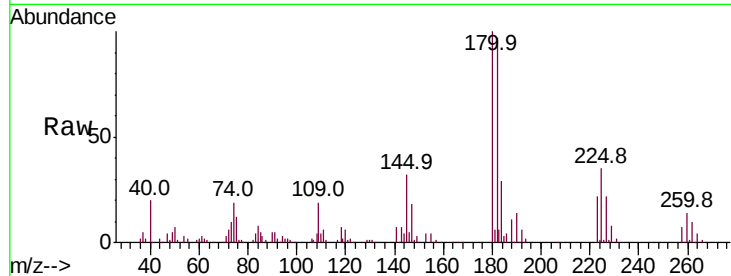
#93
 1,2,4-Trichlorobenzene
 Concen: 21.765 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0325SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.7	146.1
145	31.8	18.3	54.8

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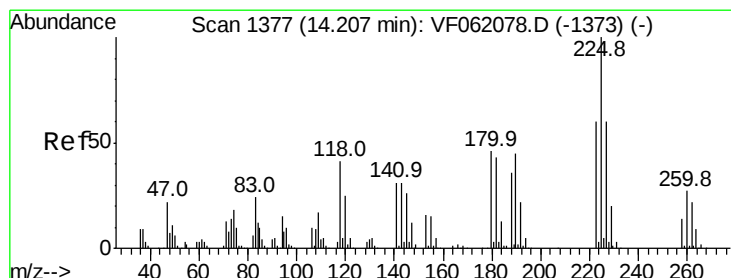
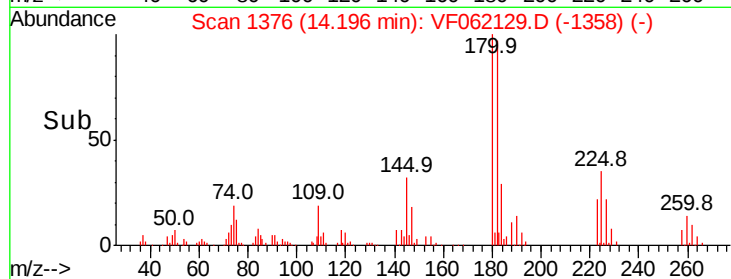
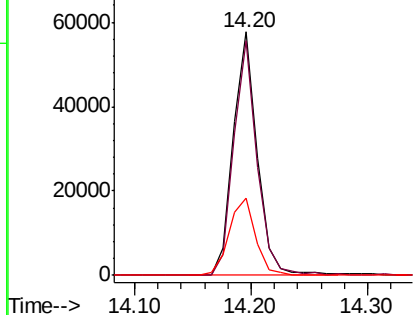


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.000 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF062129.D
 Acq: 25 Mar 2019 14:02

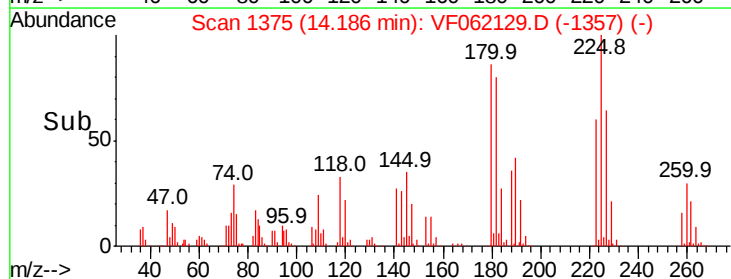
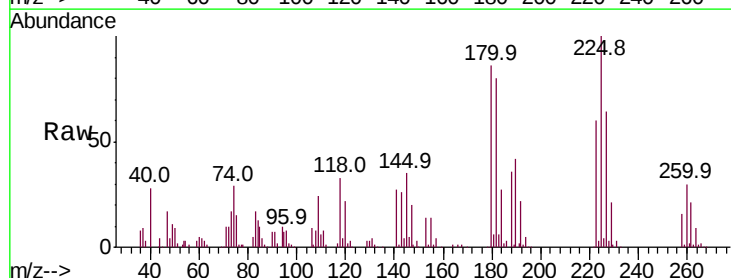
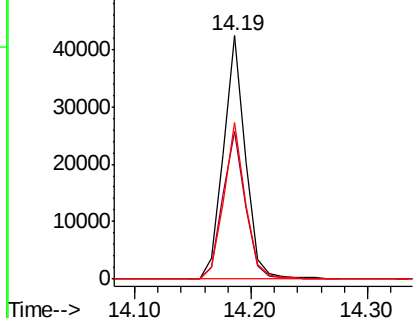
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	30.0	90.0
227	64.1	30.2	90.6

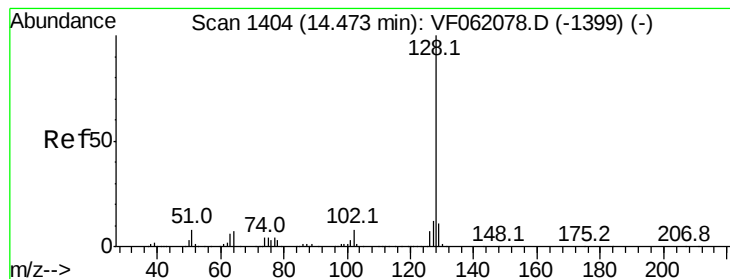
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 19.850 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Instrument :

MSVOA_F

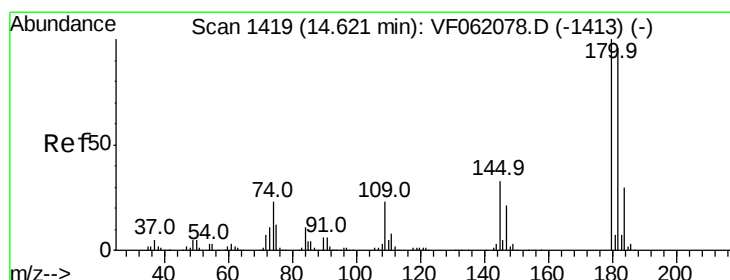
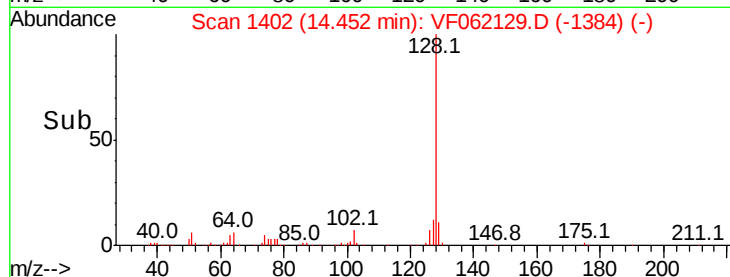
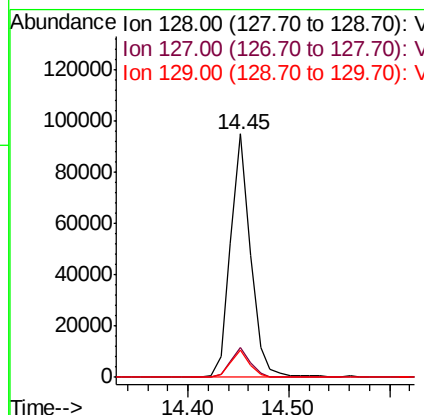
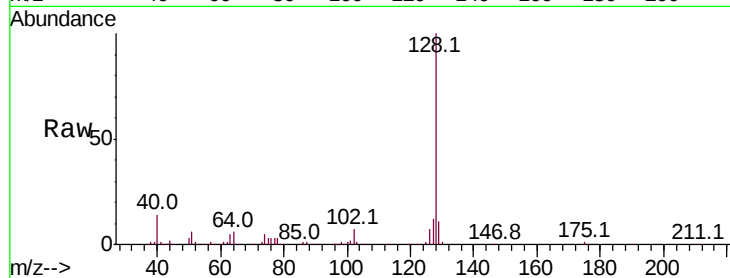
ClientSampleId :

VF0325SBS01

Tot Ion:	128	Resp:	131839
Ion Ratio	Lower	Upper	
128	100		
127	12.4	9.5	14.3
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 20.446 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VF062129.D

Acq: 25 Mar 2019 14:02

Tgt Ion:	180	Resp:	72538
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.7
145	29.9	16.6	49.7

