

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062543.D
 Acq On : 13 May 2019 15:55
 Operator : FY/SY
 Sample : VF0513SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:01:55 AM

Quant Time: May 13 16:25:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	327375	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	431368	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	374613	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	254255	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	134059	43.33	ug/l	0.03
Spiked Amount	50.000		Recovery	=	86.66%	
35) Dibromofluoromethane	4.33	113	170702	49.67	ug/l	0.03
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	7.74	98	387987	46.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.51	95	185313	49.37	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	82217	21.700	ug/l	91
3) Chloromethane	1.14	50	51328	20.541	ug/l	100
4) Vinyl Chloride	1.19	62	52590	21.100	ug/l	96
5) Bromomethane	1.39	94	41832	20.775	ug/l	94
6) Chloroethane	1.45	64	28743	22.937	ug/l	91
7) Trichlorofluoromethane	1.56	101	124861	24.144	ug/l	99
8) Diethyl Ether	1.71	74	15350	19.617	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.91	101	71328	24.159	ug/l	98
10) Methyl Iodide	1.99	142	115038	23.644	ug/l	98
11) Tert butyl alcohol	2.70	59	15268	87.318	ug/l #	70
12) 1,1-Dichloroethene	1.87	96	53307	21.238	ug/l	91
13) Acrolein	2.12	56	9290	70.822	ug/l #	54
14) Allyl chloride	2.21	41	84127	37.943	ug/l	93
15) Acrylonitrile	3.10	53	34427	103.940	ug/l	93
16) Acetone	2.36	43	68629	109.656	ug/l	98
17) Carbon Disulfide	1.92	76	118676	21.685	ug/l	97
18) Methyl Acetate	2.47	43	27162	22.047	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	103649	20.005	ug/l	92
20) Methylene Chloride	2.31	84	50703m	22.392	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	51840	21.678	ug/l	97
22) Diisopropyl ether	2.96	45	145930	21.059	ug/l	96
23) Vinyl Acetate	3.36	43	312547	101.198	ug/l	100
24) 1,1-Dichloroethane	3.04	63	102194	24.401	ug/l	99
25) 2-Butanone	4.54	43	79439	101.031	ug/l	97
26) 2,2-Dichloropropane	3.79	77	65670	28.078	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	65747	21.995	ug/l	98
28) Bromochloromethane	3.92	49	38103	20.061	ug/l #	96
29) Tetrahydrofuran	4.30	42	32063	88.726	ug/l	98
30) Chloroform	4.08	83	135568	23.960	ug/l	94
31) Cyclohexane	3.90	56	74077	22.160	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	119398	24.621	ug/l	99
36) 1,1-Dichloropropene	4.49	75	81671	22.040	ug/l	99
37) Ethyl Acetate	4.33	43	29862	17.243	ug/l #	99
38) Carbon Tetrachloride	4.21	117	105682m	26.171	ug/l	

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	76331	20.539	ug/l	93
40) Benzene	4.85	78	176849	21.673	ug/l	96
41) Methacrylonitrile	4.96	41	16140	18.165	ug/l	97
42) 1,2-Dichloroethane	5.15	62	72759	21.319	ug/l	98
43) Isopropyl Acetate	7.14	43	28578	16.955	ug/l #	96
44) Trichloroethene	5.71	130	67537	22.531	ug/l	94
45) 1,2-Dichloropropane	6.43	63	41458	22.431	ug/l	98
46) Dibromomethane	6.28	93	34071	22.233	ug/l	97
47) Bromodichloromethane	6.57	83	85297	22.263	ug/l	96
48) Methyl methacrylate	6.90	41	22171	18.614	ug/l	94
49) 1,4-Dioxane	6.90	88	4927	394.275	ug/l	88
51) 4-Methyl-2-Pentanone	8.42	43	128248	100.416	ug/l	98
52) Toluene	7.80	92	111945	22.238	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	64350	22.207	ug/l	93
54) cis-1,3-Dichloropropene	7.48	75	77237	22.902	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	35317	22.100	ug/l	96
56) Ethyl methacrylate	8.77	69	31904	18.913	ug/l	100
57) 1,3-Dichloropropane	9.02	76	55443	22.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	49262	97.134	ug/l	99
59) 2-Hexanone	9.64	43	88992	100.750	ug/l	98
60) Dibromochloromethane	8.88	129	58656	22.442	ug/l	98
61) 1,2-Dibromoethane	9.16	107	40288	21.450	ug/l	96
64) Tetrachloroethene	8.33	164	67120	22.070	ug/l	96
65) Chlorobenzene	9.96	112	139410	22.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	68853	22.020	ug/l	97
67) Ethyl Benzene	10.04	91	255625	23.552	ug/l	98
68) m/p-Xylenes	10.28	106	184729	46.129	ug/l	99
69) o-Xylene	10.83	106	99356	22.961	ug/l	96
70) Styrene	10.90	104	141720	21.853	ug/l	99
71) Bromoform	10.89	173	35295	20.604	ug/l #	94
73) Isopropylbenzene	11.23	105	318066	21.101	ug/l	100
74) N-amyl acetate	11.46	43	49975	15.443	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	47074	19.946	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	35751	19.855	ug/l #	100
77) Bromobenzene	11.59	156	82311	20.807	ug/l	97
78) n-propylbenzene	11.68	91	346474	21.590	ug/l	99
79) 2-Chlorotoluene	11.81	91	213043	21.350	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	287578	21.767	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	11329m	16.738	ug/l	
82) 4-Chlorotoluene	11.99	91	217023	22.020	ug/l	100
83) tert-Butylbenzene	12.21	119	286985	20.669	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	269219	20.823	ug/l	98
85) sec-Butylbenzene	12.38	105	362950	21.476	ug/l	100
86) p-Isopropyltoluene	12.53	119	339441	21.618	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	159493	22.076	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	152431	21.860	ug/l	98
89) n-Butylbenzene	12.90	91	305728	21.885	ug/l	98
90) Hexachloroethane	12.98	117	75885	19.356	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	150440	21.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	8805	16.653	ug/l	96

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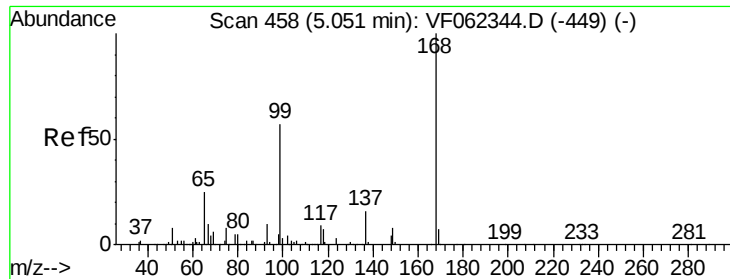
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	133335	21.257	ug/l	99
94) Hexachlorobutadiene	14.23	225	101500	21.711	ug/l	98
95) Naphthalene	14.50	128	167622	17.775	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	121699	20.027	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion:168 Resp: 327375

Ion Ratio Lower Upper

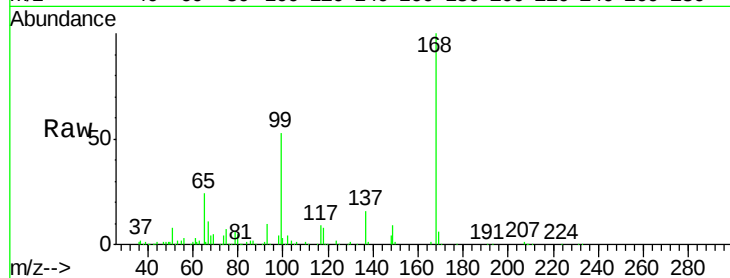
168 100

99 53.0 45.9 68.9

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

120000

100000

80000

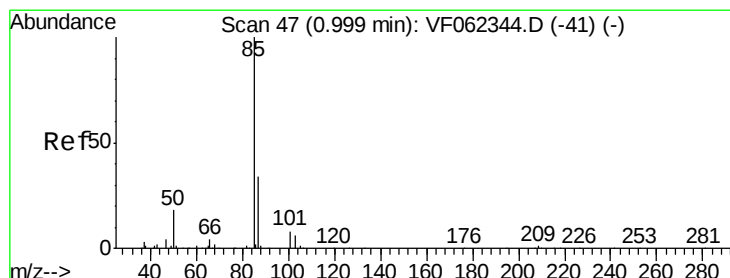
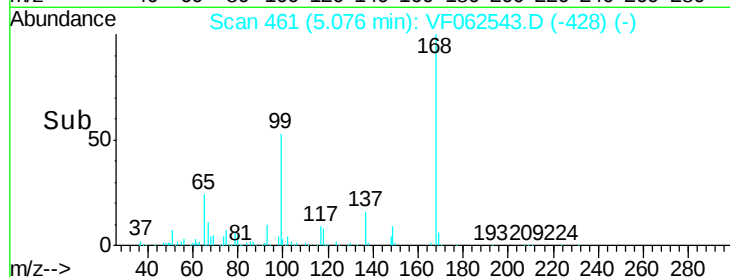
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.700 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062543.D

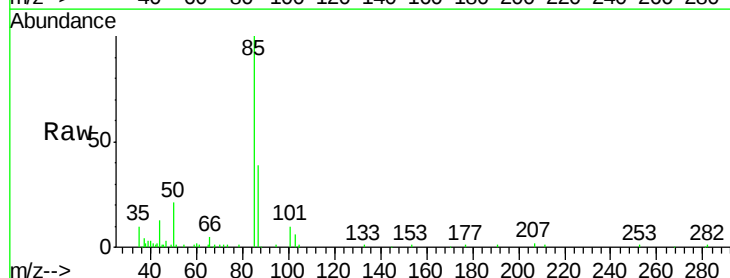
Acq: 13 May 2019 15:55

Tgt Ion: 85 Resp: 82217

Ion Ratio Lower Upper

85 100

87 38.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

25000

20000

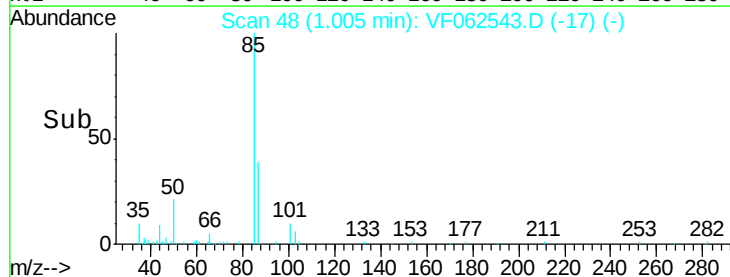
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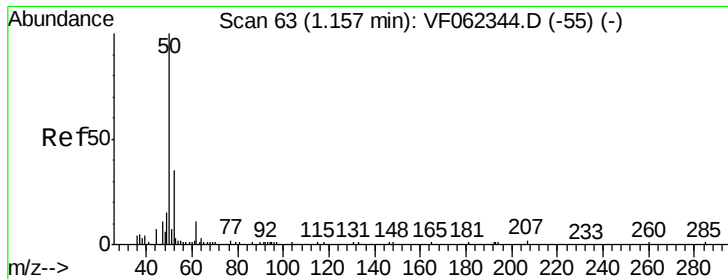
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.541 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion: 50 Resp: 51328

Ion Ratio Lower Upper

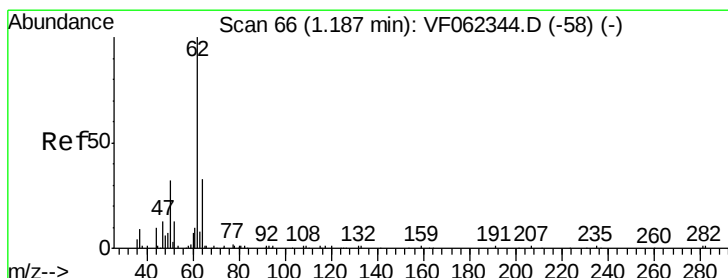
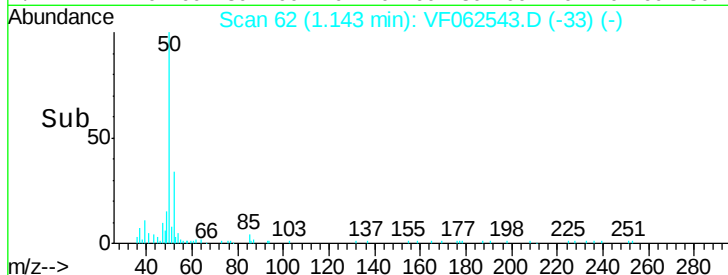
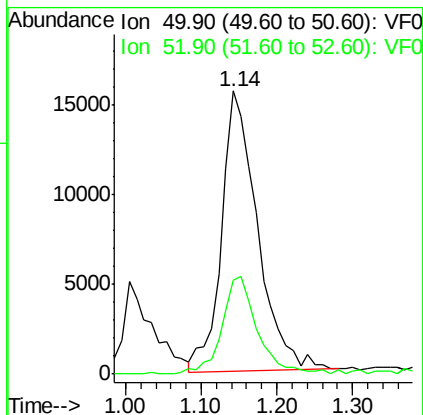
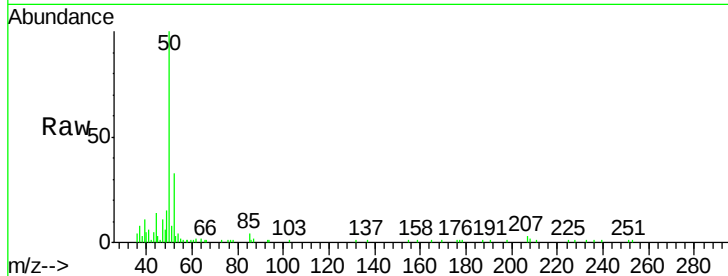
50 100

52 32.5 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.100 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062543.D

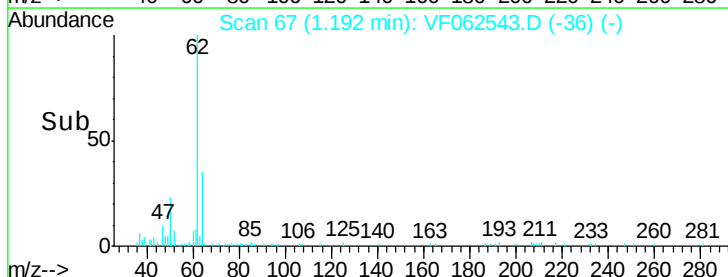
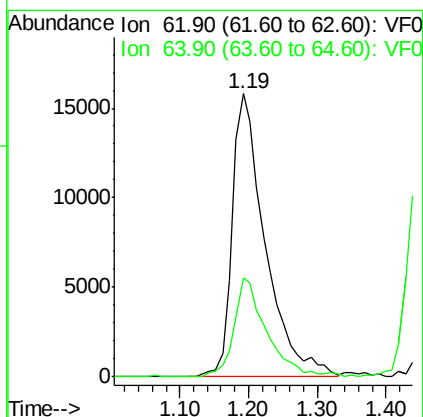
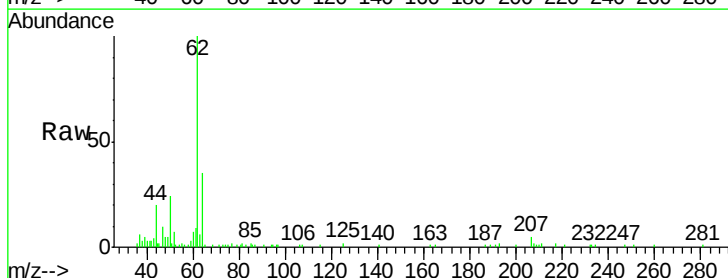
Acq: 13 May 2019 15:55

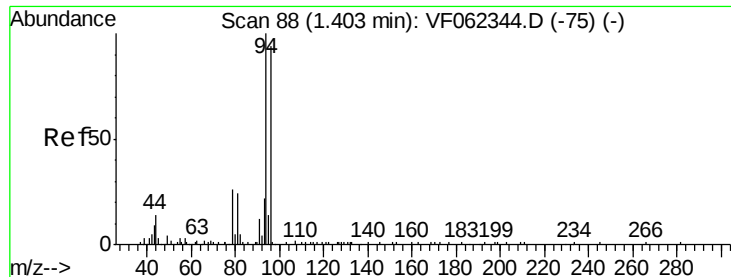
Tgt Ion: 62 Resp: 52590

Ion Ratio Lower Upper

62 100

64 35.1 26.1 39.1





#5

Bromomethane

Concen: 20.775 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion: 94 Resp: 41832

Ion Ratio Lower Upper

94 100

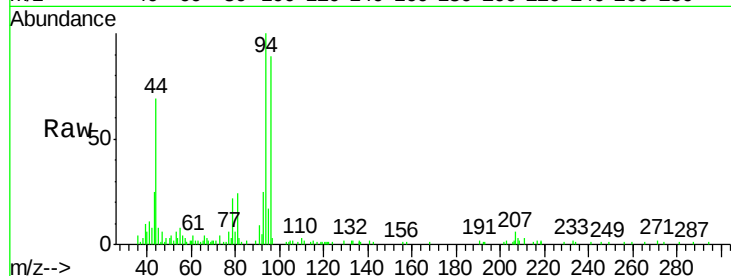
96 88.3 75.4 113.2

Manual Integrations

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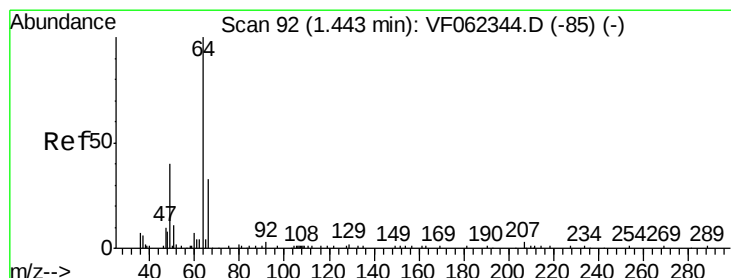
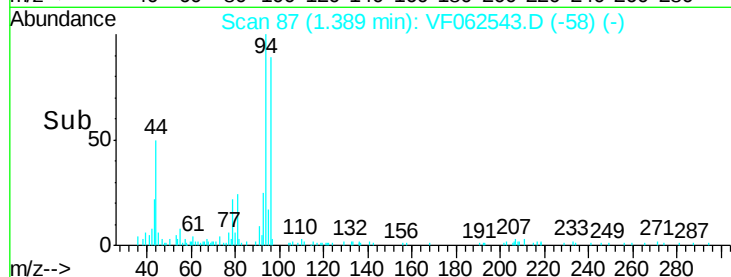
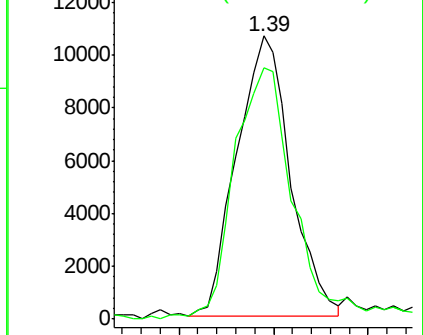
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Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 22.937 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062543.D

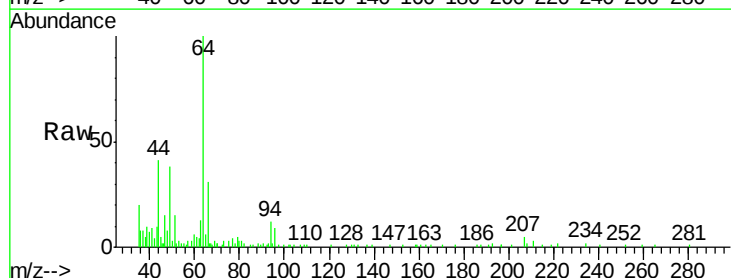
Acq: 13 May 2019 15:55

Tgt Ion: 64 Resp: 28743

Ion Ratio Lower Upper

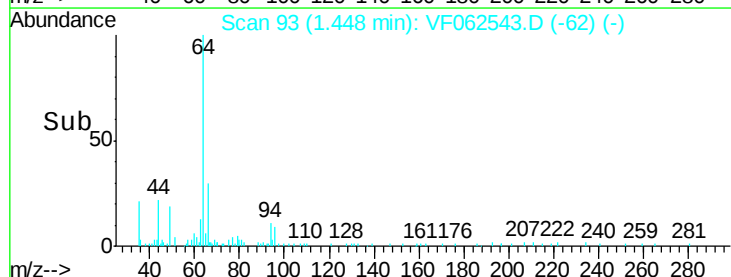
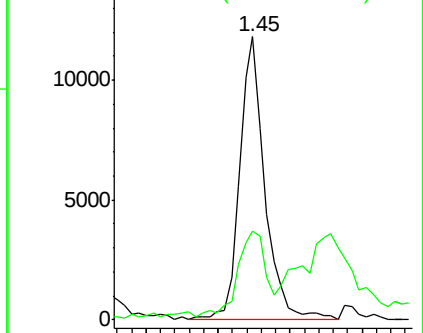
64 100

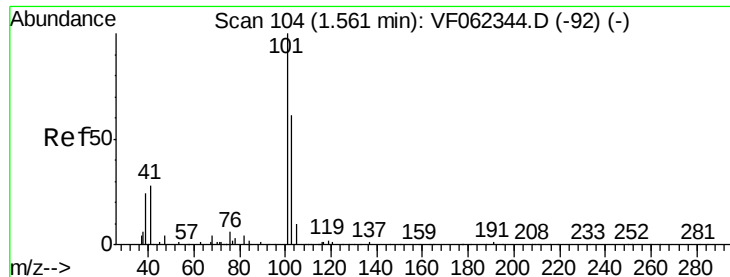
66 28.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0





#7

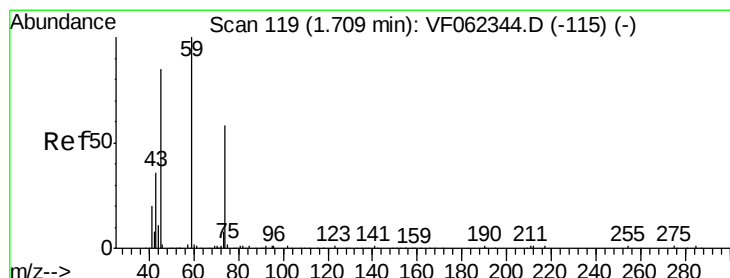
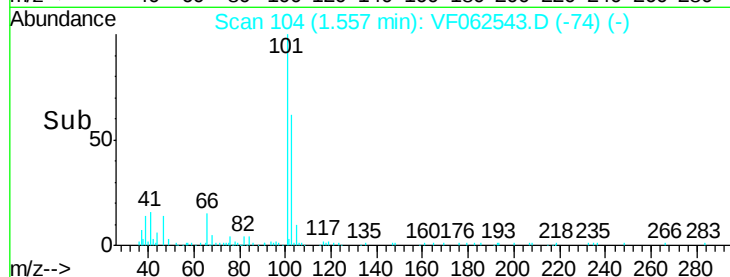
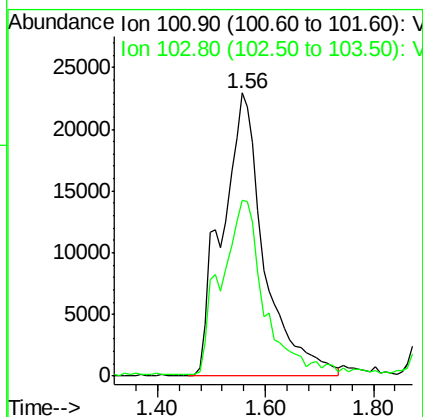
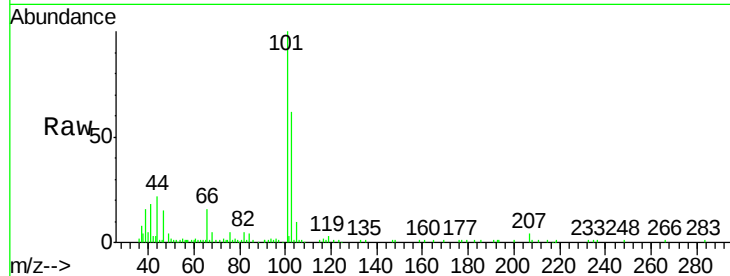
Trichlorofluoromethane
Concen: 24.144 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

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VF0513SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	48.5	72.7

Manual Integrations
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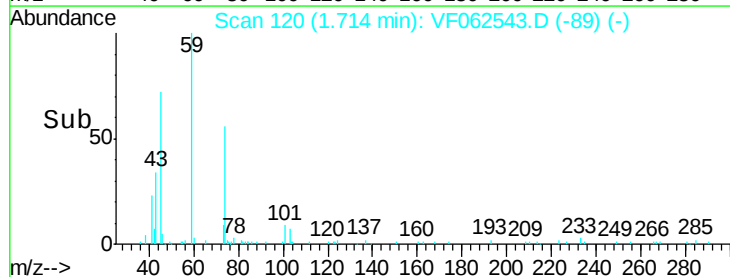
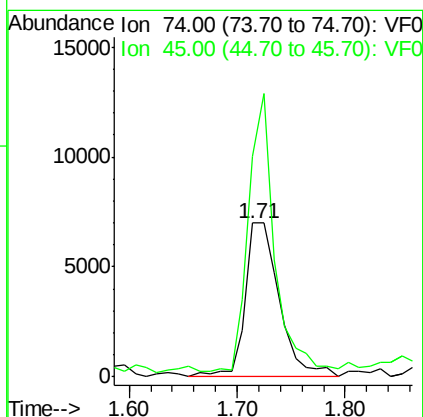
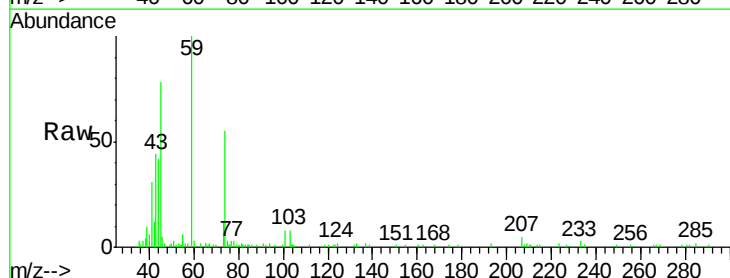
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#8

Diethyl Ether
Concen: 19.617 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.9	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.159 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

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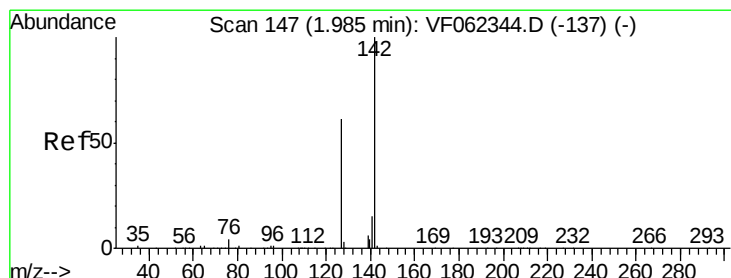
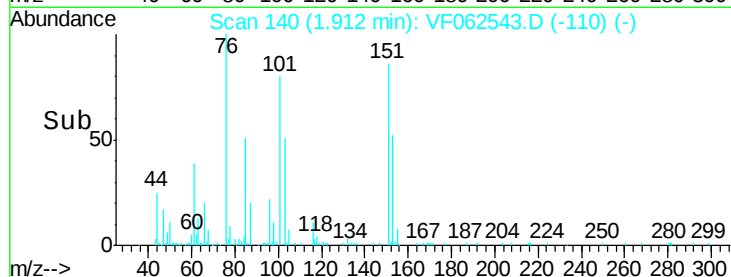
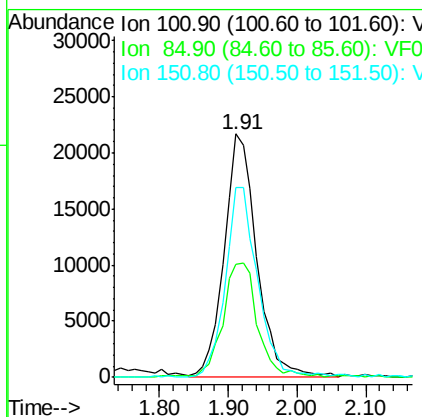
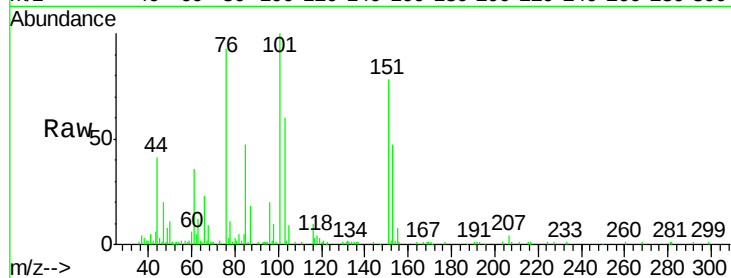
ClientSampleId :

VF0513SBS01

Tot Ion:	101	Resp:	71328
Ion Ratio	Lower	Upper	
101	100		
85	49.8	39.5	59.3
151	77.4	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 23.644 ug/l

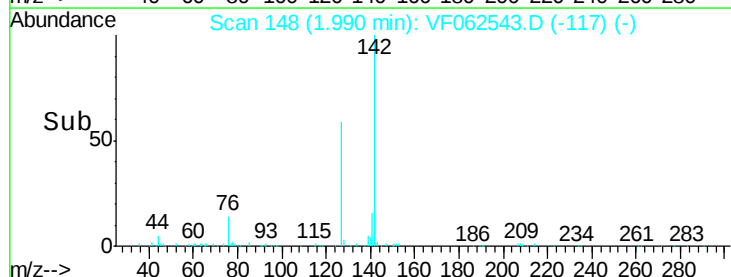
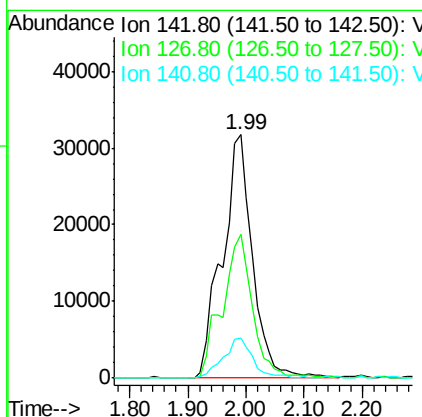
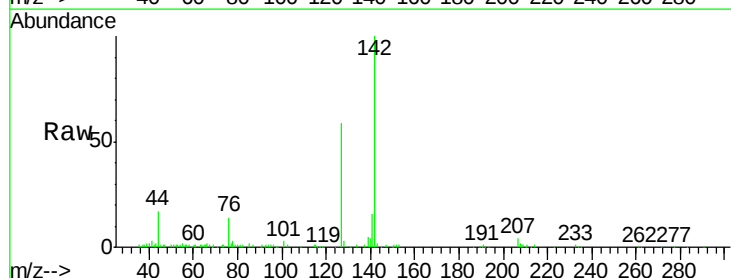
RT: 1.99 min Scan# 148

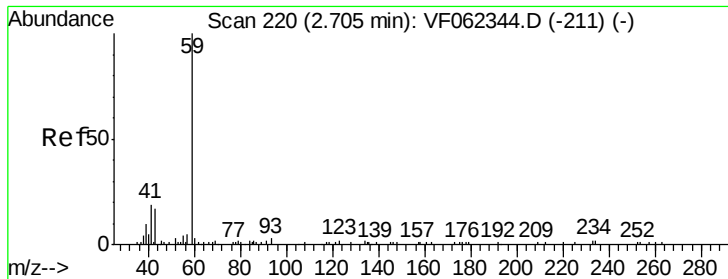
Delta R.T. 0.01 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion:	142	Resp:	115038
Ion Ratio	Lower	Upper	
142	100		
127	59.3	48.4	72.6
141	16.1	12.2	18.4





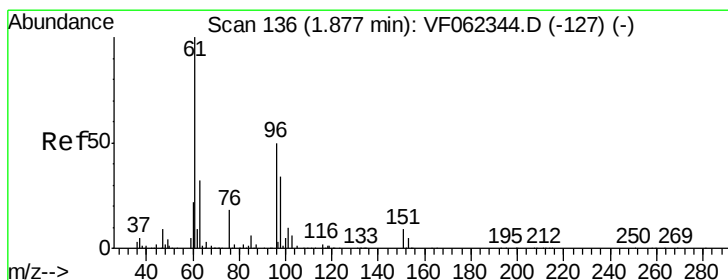
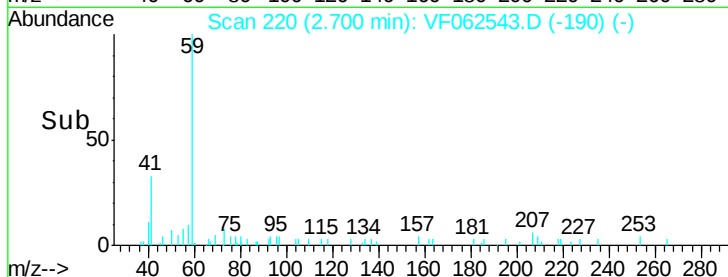
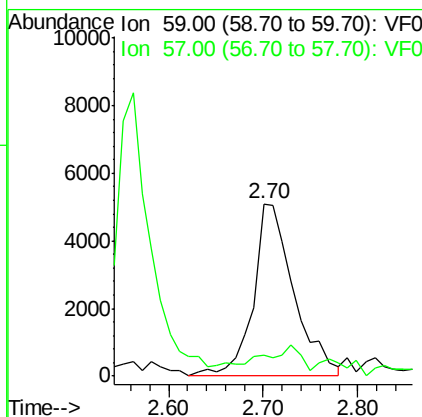
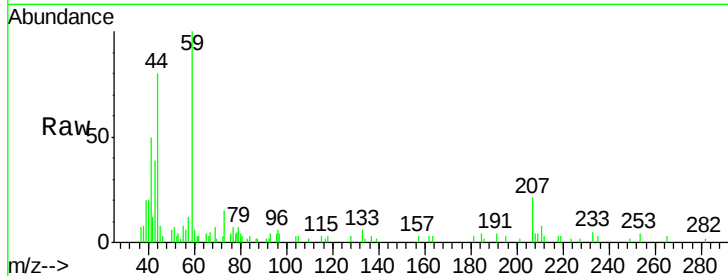
#11
Tert butyl alcohol
Concen: 87.318 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		15268		
57	0.0		9.3		13.9#

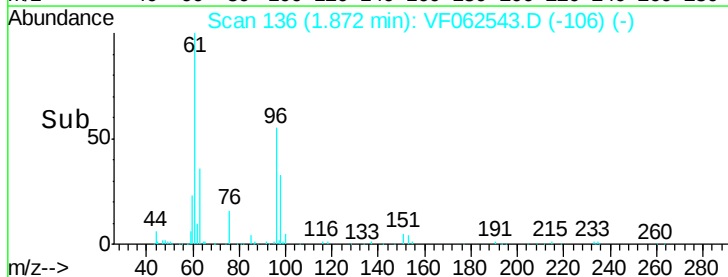
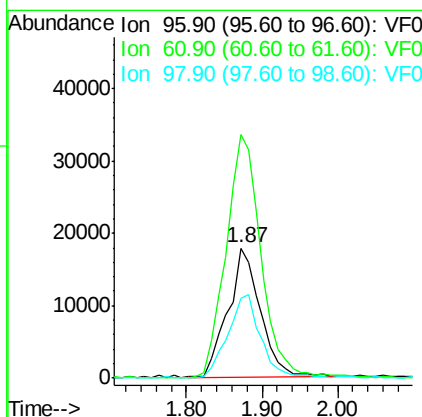
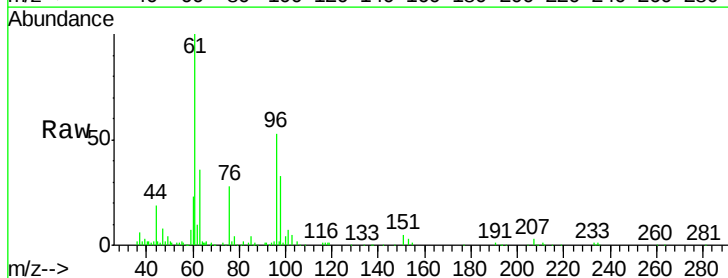
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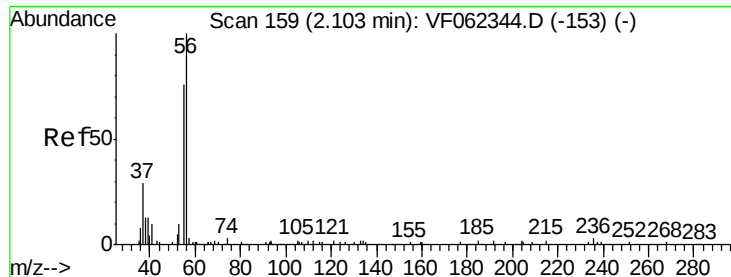
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.238 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		53307		
61	188.9		163.2		244.8
98	62.2		55.2		82.8





#13

Acrolein

Concen: 70.822 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion: 56 Resp: 9290

Ion Ratio Lower Upper

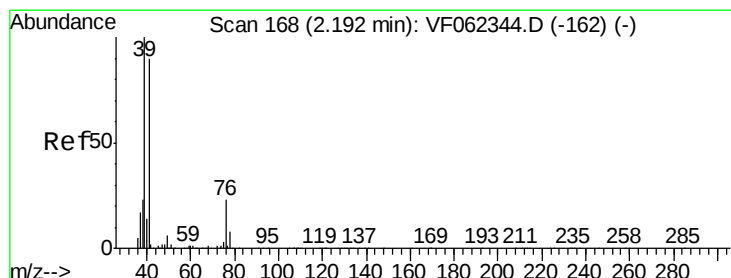
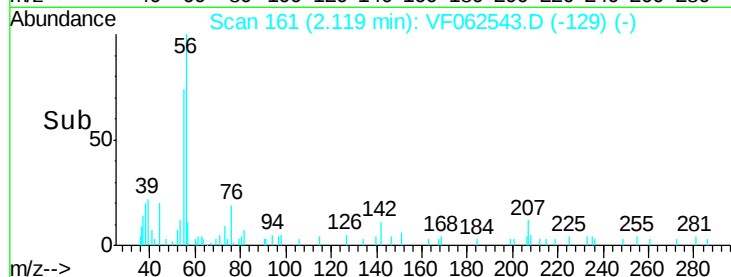
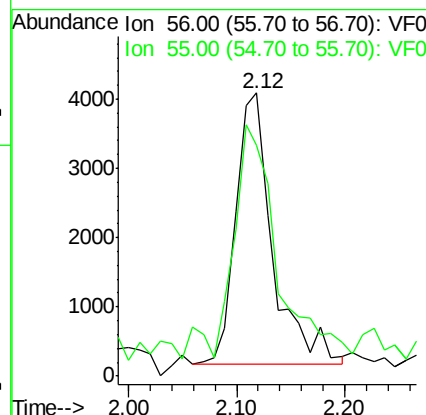
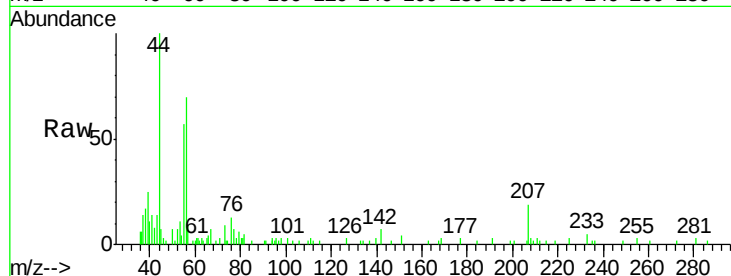
56 100

55 112.0 58.4 87.6#

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5/14/2019 11:01:55 AM



#14

Allyl chloride

Concen: 37.943 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

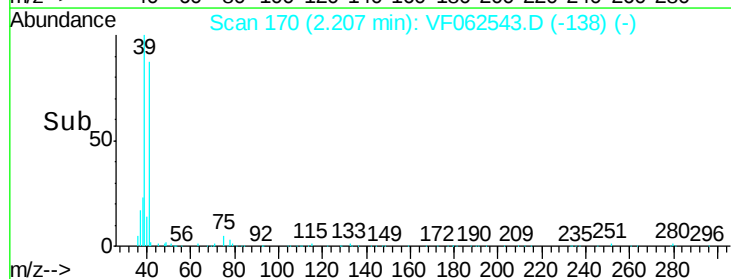
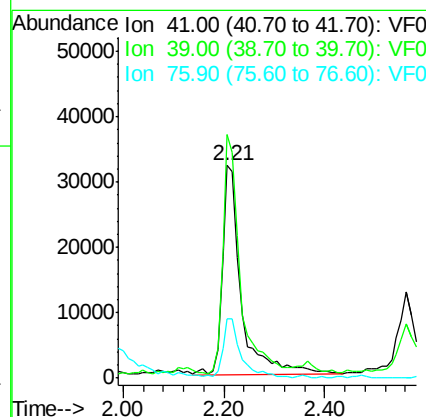
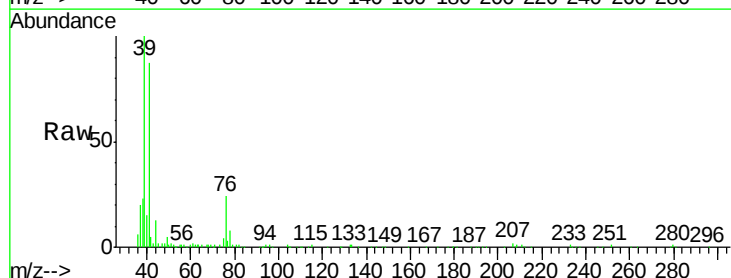
Tgt Ion: 41 Resp: 84127

Ion Ratio Lower Upper

41 100

39 104.2 90.8 136.2

76 27.7 22.2 33.4





#15

Acrylonitrile

Concen: 103.940 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

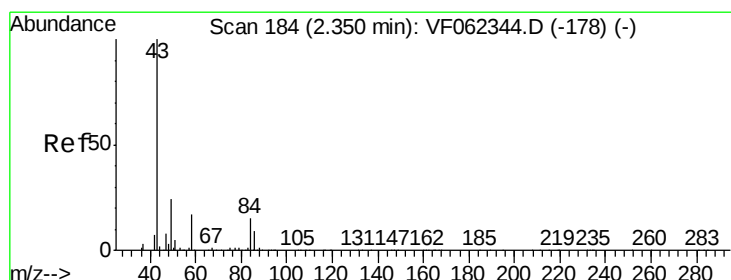
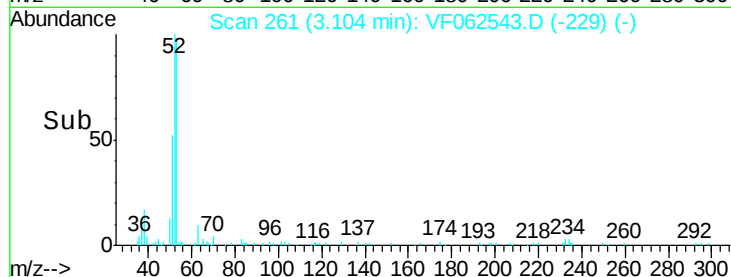
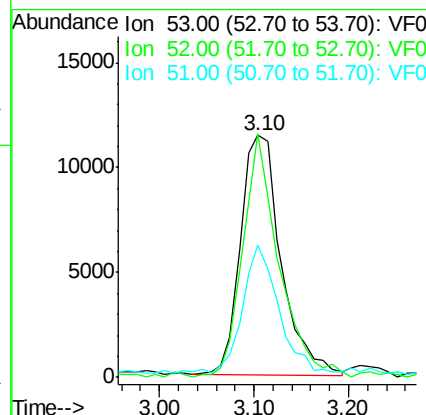
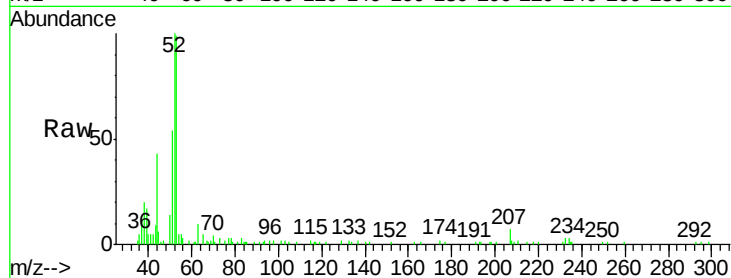
ClientSampleId :

VF0513SBS01

Tot Ion:	53	Resp:	34427
Ion	Ratio	Lower	Upper
53	100		
52	89.4	77.2	115.8
51	46.8	40.6	61.0

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#16

Acetone

Concen: 109.656 ug/l

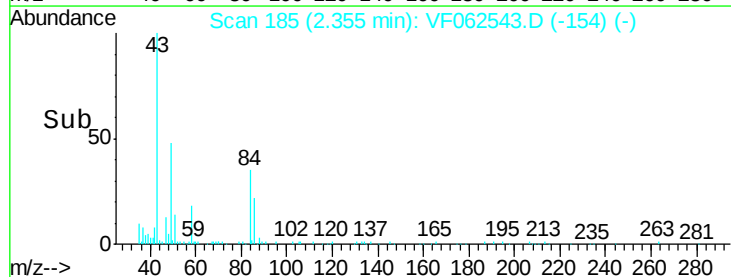
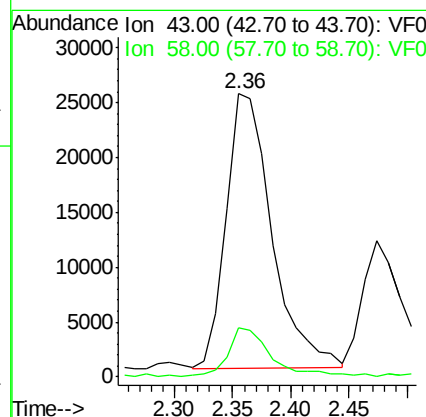
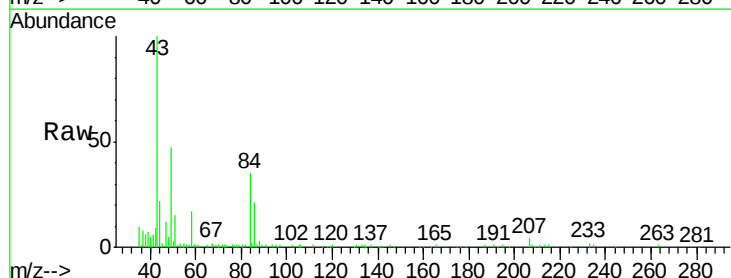
RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion:	43	Resp:	68629
Ion	Ratio	Lower	Upper
43	100		
58	17.3	13.1	19.7





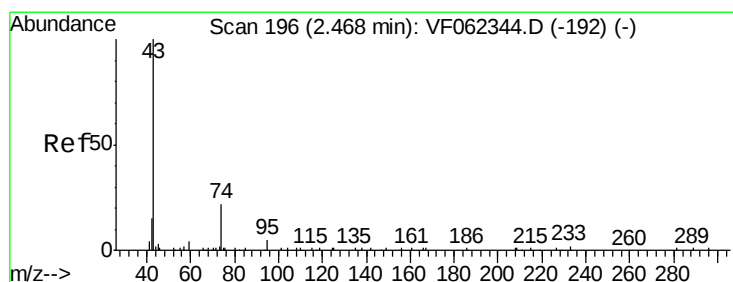
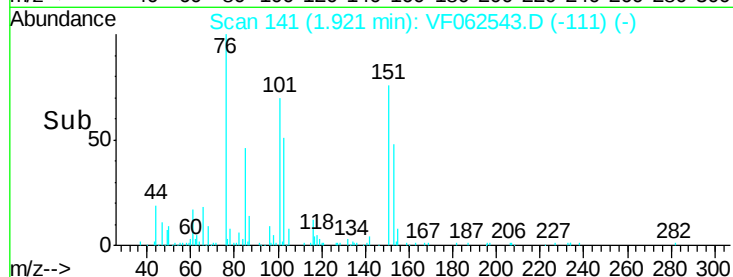
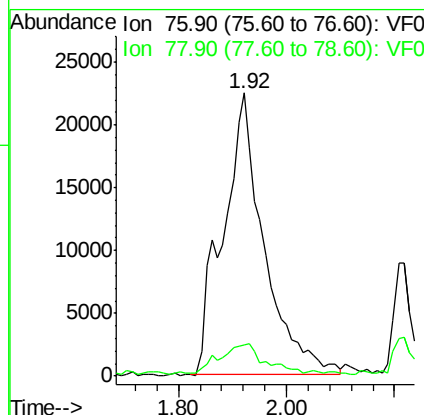
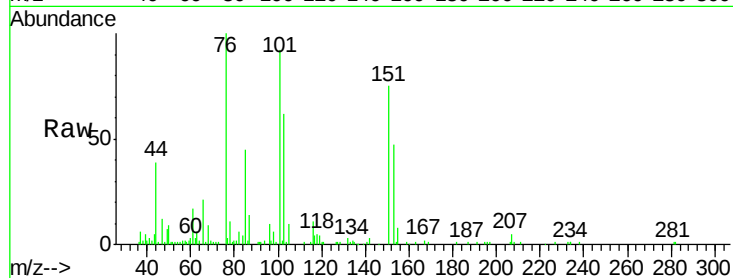
#17
Carbon Disulfide
Concen: 21.685 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	118676		
78	10.1	9.0	13.4	

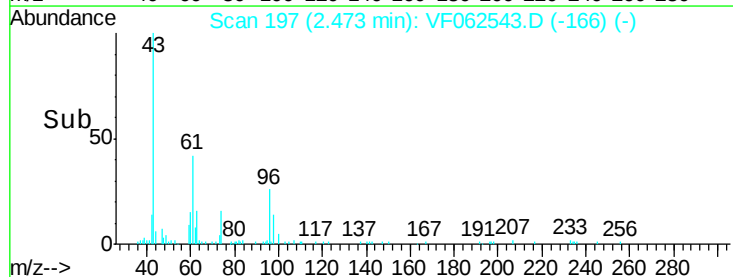
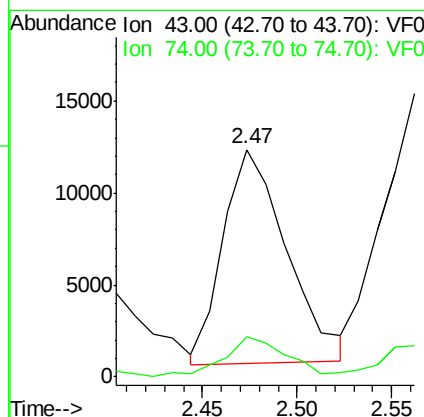
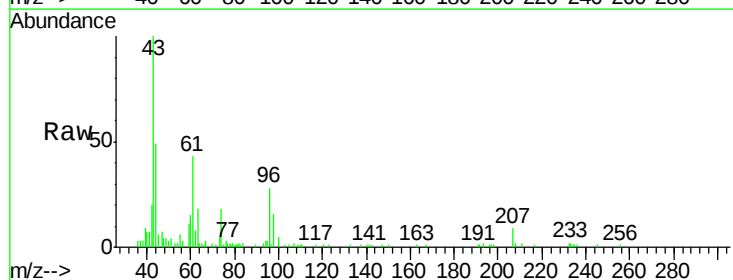
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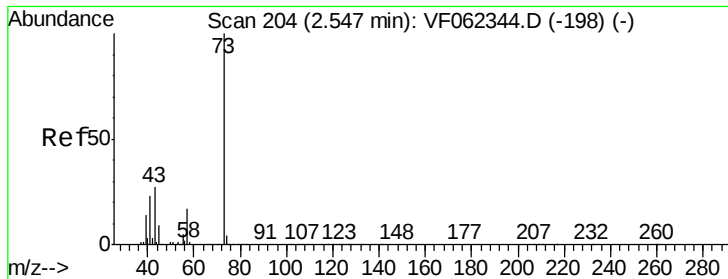
MMDadoda
5/14/2019 11:01:55 AM



#18
Methyl Acetate
Concen: 22.047 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	27162		
74	18.6	15.0	22.4	





#19

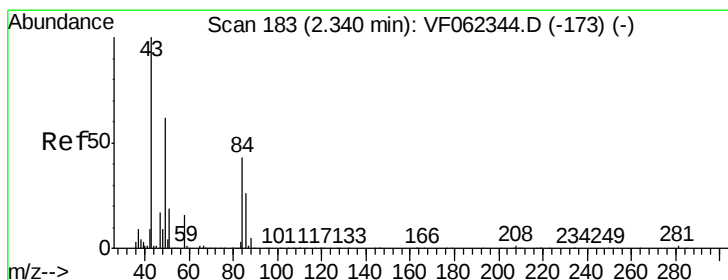
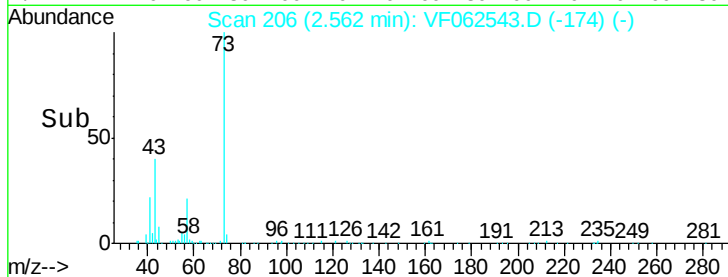
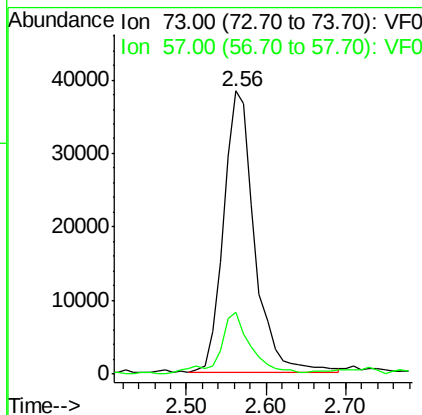
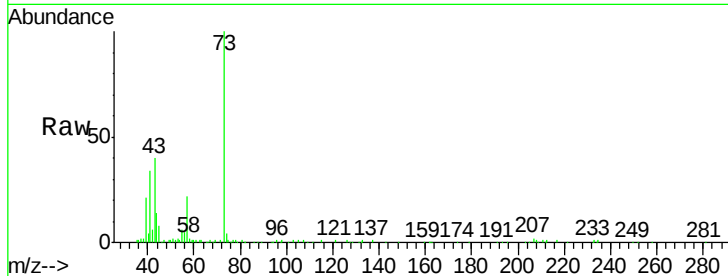
Methyl tert-butyl Ether
 Concen: 20.005 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.02 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	13.7	20.5

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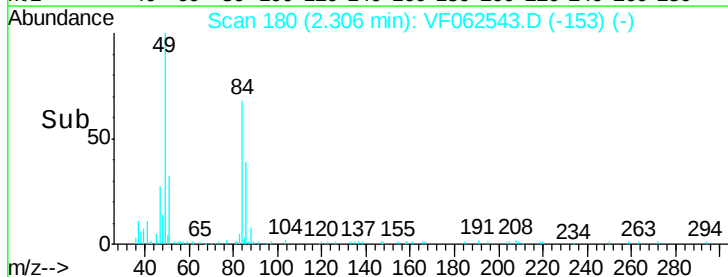
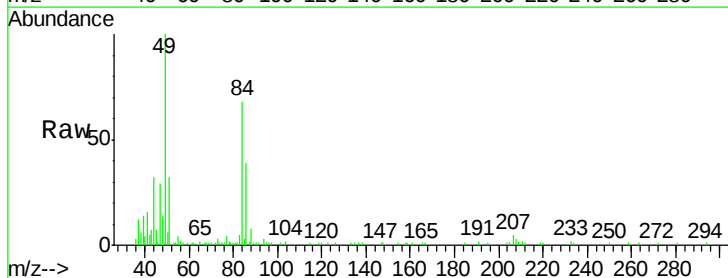
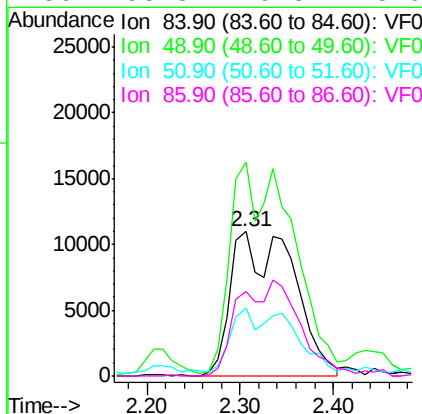
MMDadoda
 5/14/2019 11:01:55 AM

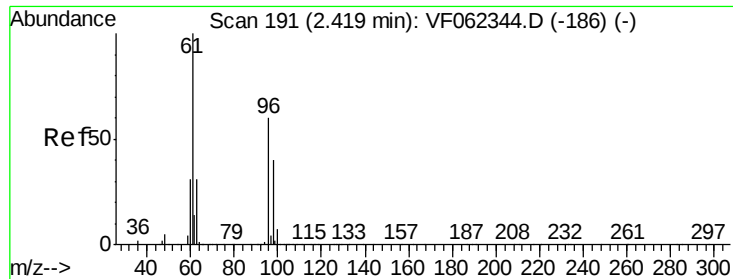


#20

Methylene Chloride
 Concen: 22.392 ug/l m
 RT: 2.31 min Scan# 180
 Delta R.T. -0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.8	117.5	176.3
51	46.8	37.0	55.4
86	58.3	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 21.678 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

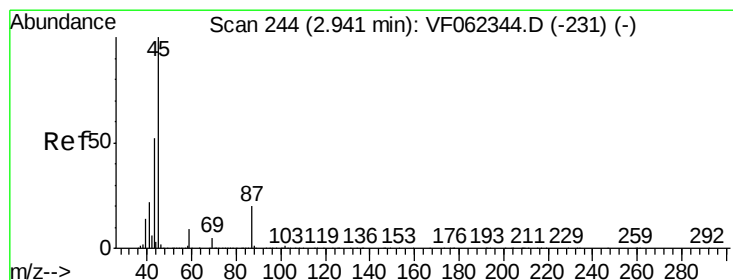
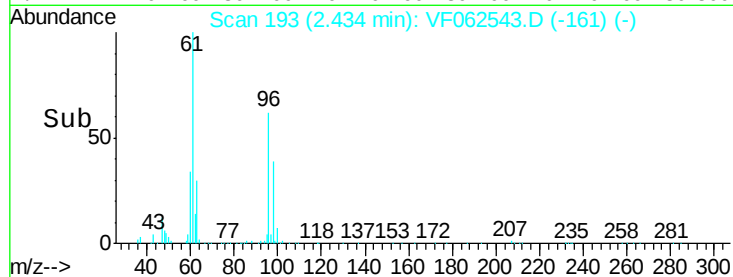
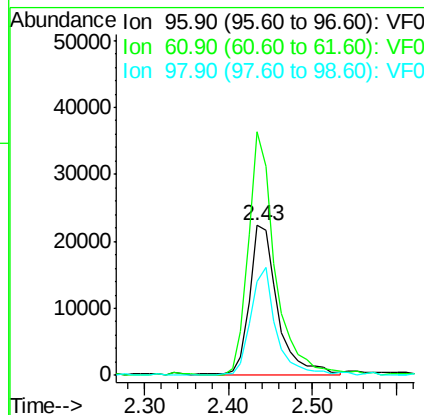
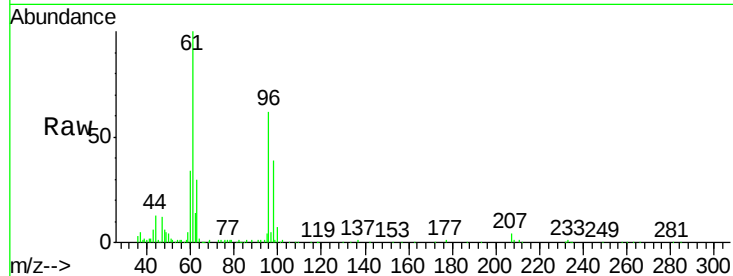
ClientSampleId :

VF0513SBS01

Tot Ion:	96	Resp:	51840
Ion	Ratio	Lower	Upper
96	100		
61	162.4	133.2	199.8
98	63.1	53.1	79.7

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5/14/2019 11:01:55 AM



#22

Diisopropyl ether

Concen: 21.059 ug/l

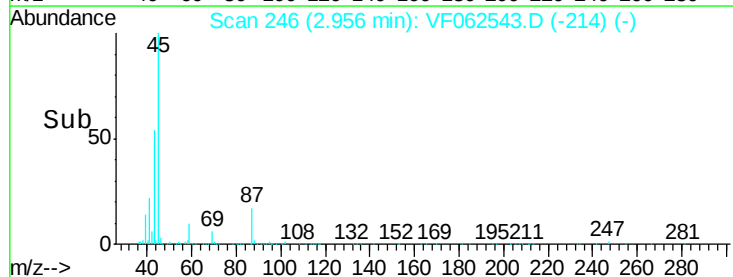
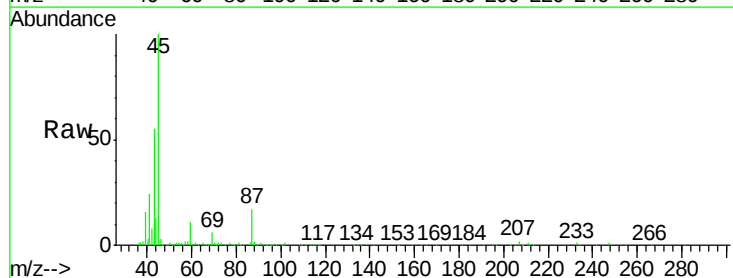
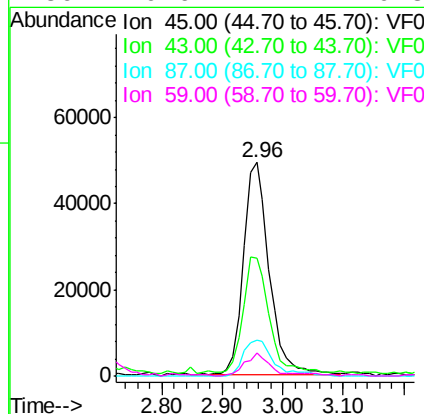
RT: 2.96 min Scan# 246

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion:	45	Resp:	145930
Ion	Ratio	Lower	Upper
45	100		
43	53.4	41.4	62.0
87	16.9	15.8	23.6
59	10.6	7.2	10.8





#23

Vinyl Acetate

Concen: 101.198 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampled :

VF0513SBS01

Tot Ion: 43 Resp: 312547

Ion Ratio Lower Upper

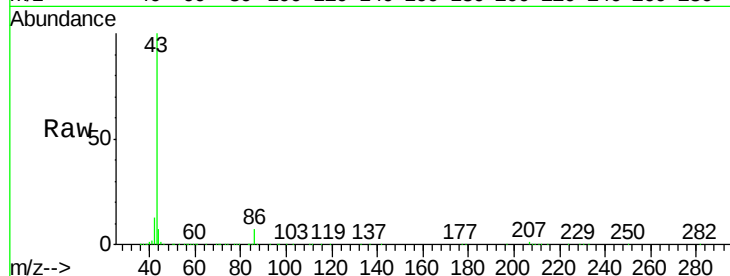
43 100

86 7.0 5.7 8.5

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5/14/2019 11:01:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

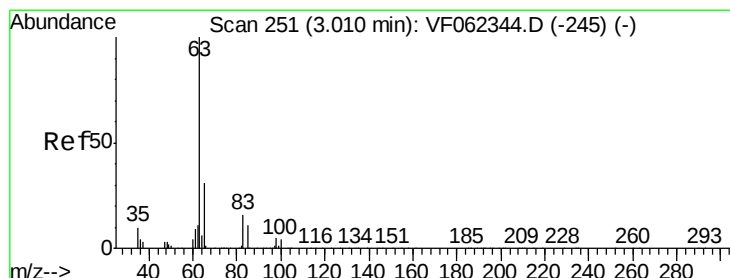
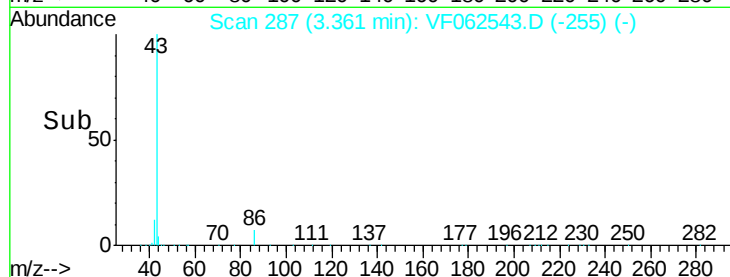
3.36

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 24.401 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

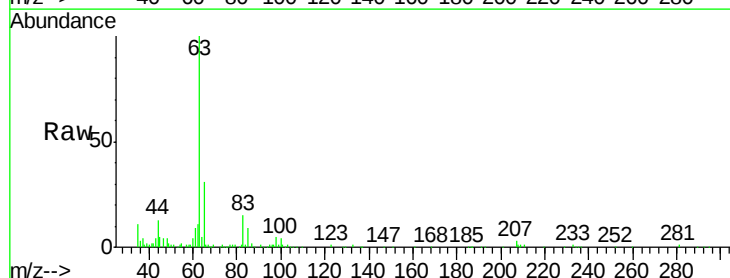
Tgt Ion: 63 Resp: 102194

Ion Ratio Lower Upper

63 100

98 4.9 2.6 8.0

100 3.6 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

3.04

50000

40000

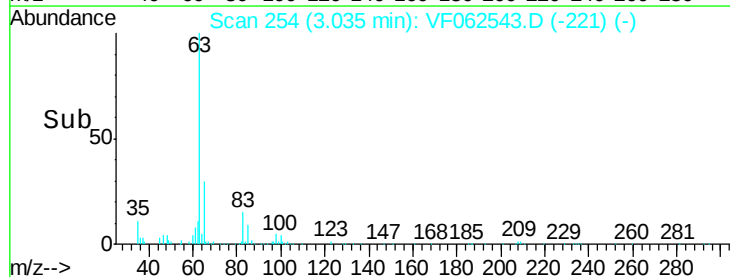
30000

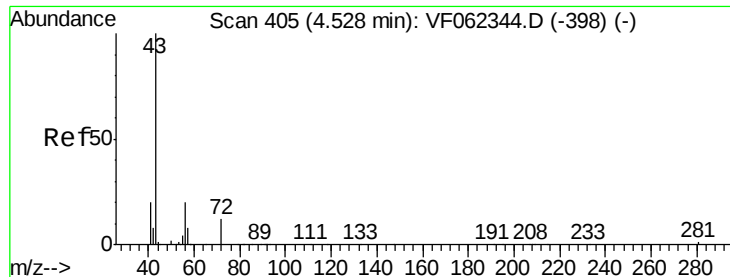
20000

10000

0

Time-->





#25

2-Butanone

Concen: 101.031 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion: 43 Resp: 79439

Ion Ratio Lower Upper

43 100

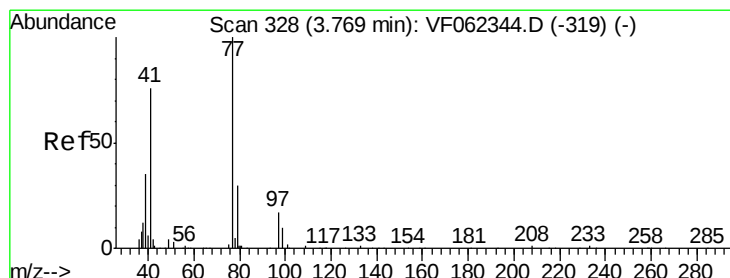
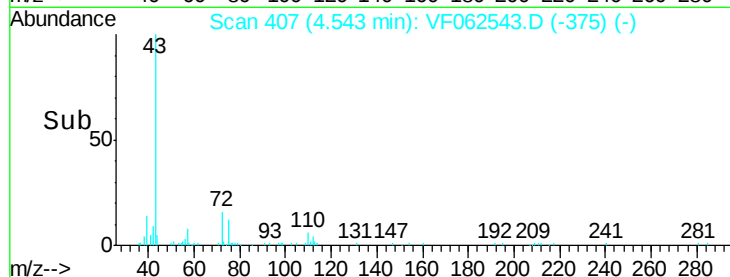
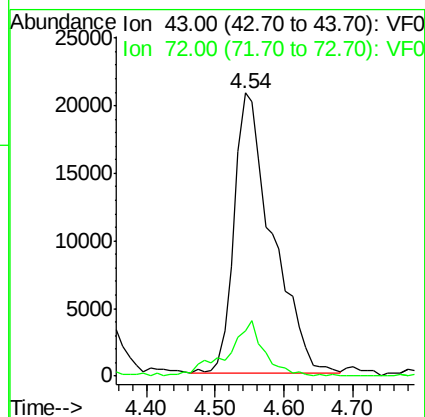
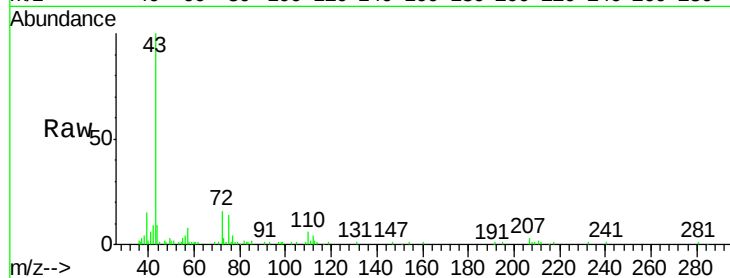
72 16.3 14.2 21.4

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5/14/2019 11:01:55 AM



#26

2,2-Dichloropropane

Concen: 28.078 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.03 min

Lab File: VF062543.D

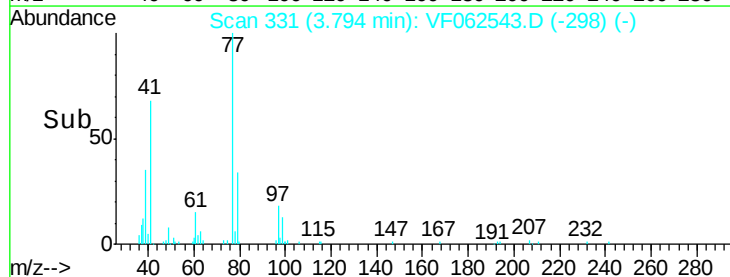
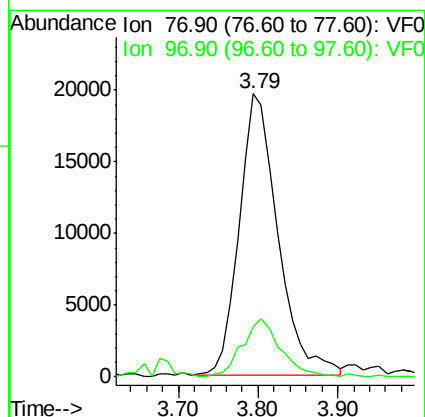
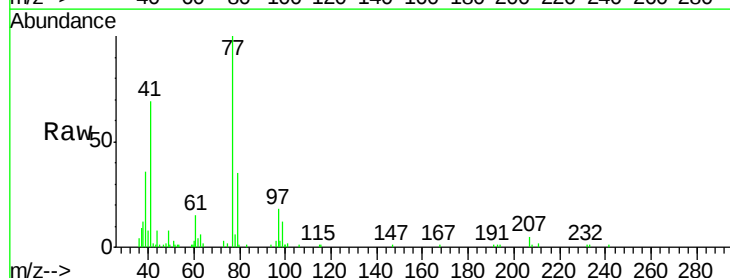
Acq: 13 May 2019 15:55

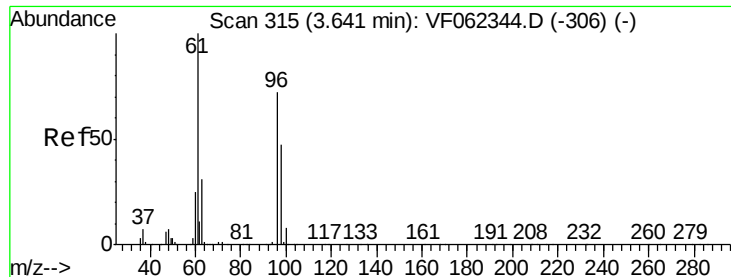
Tgt Ion: 77 Resp: 65670

Ion Ratio Lower Upper

77 100

97 20.5 9.5 28.5





#27

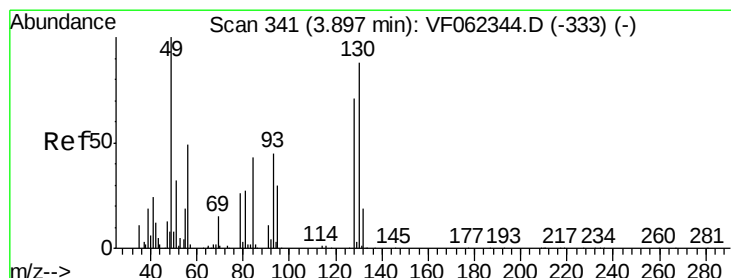
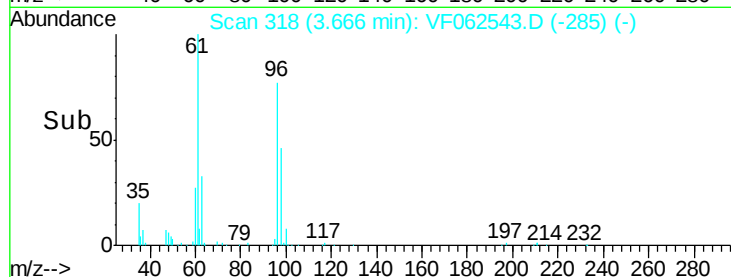
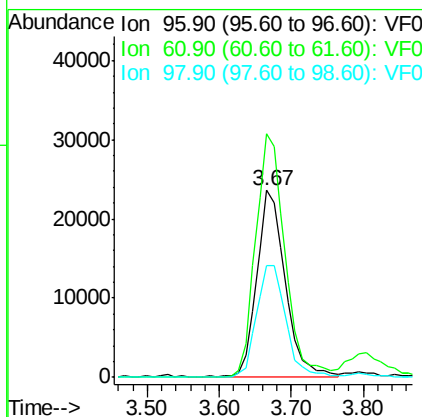
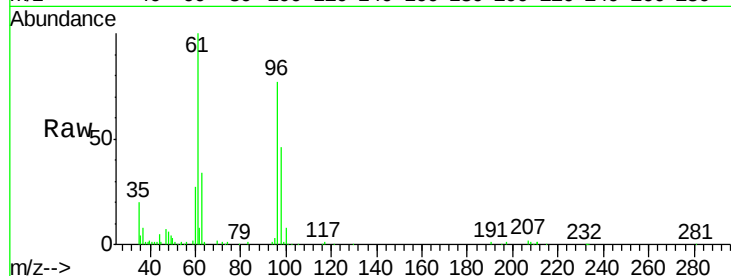
cis-1,2-Dichloroethene
 Concen: 21.995 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. 0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	263.0
98	61.7	0.0	130.8

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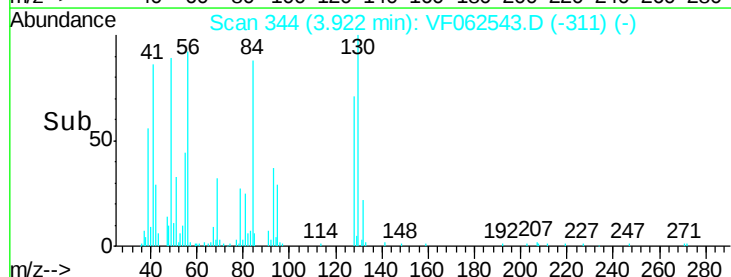
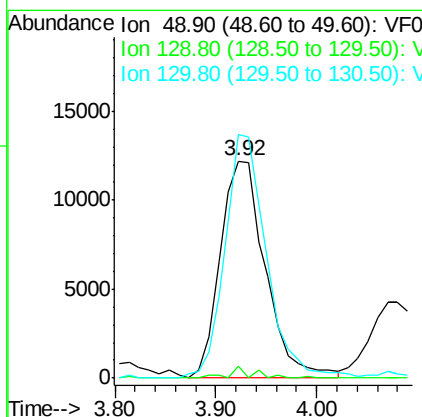
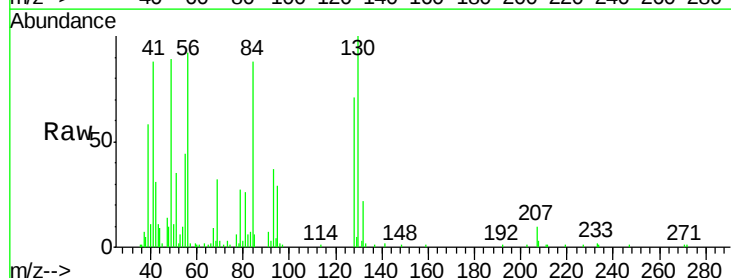
MMDadoda
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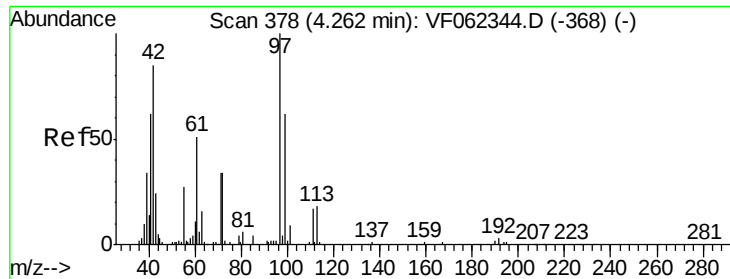


#28

Bromochloromethane
 Concen: 20.061 ug/l
 RT: 3.92 min Scan# 344
 Delta R.T. 0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.2#
130	102.7	79.4	119.0





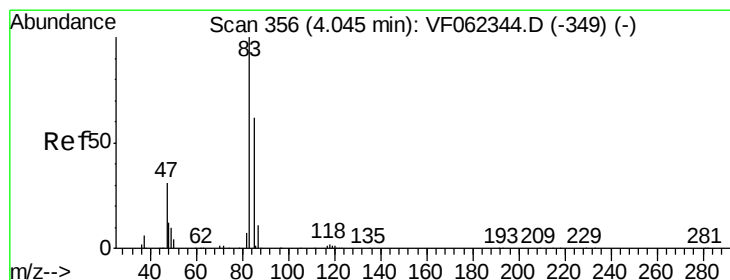
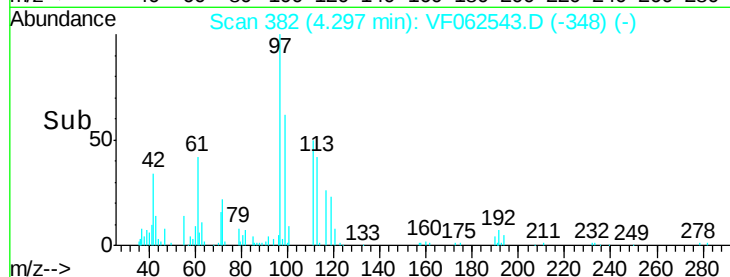
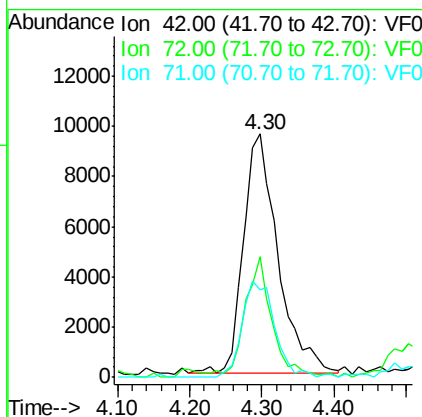
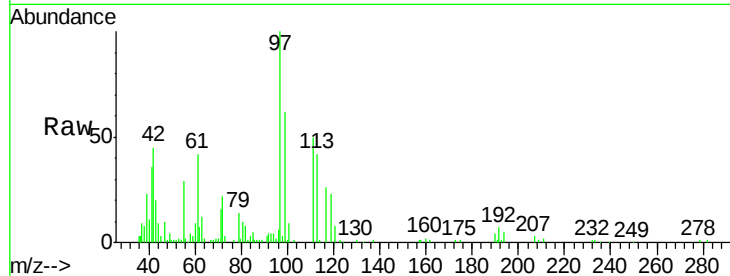
#29
Tetrahydrofuran
Concen: 88.726 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.4	47.0
71	37.6	31.7	47.5

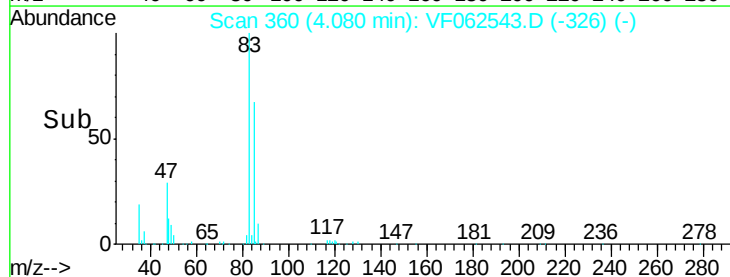
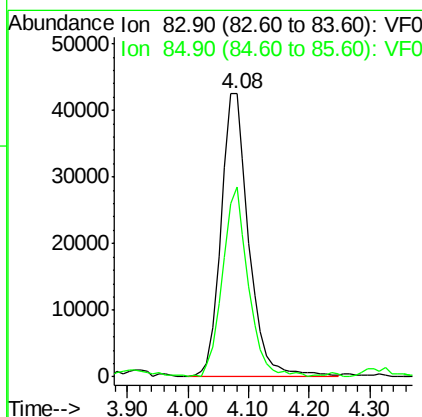
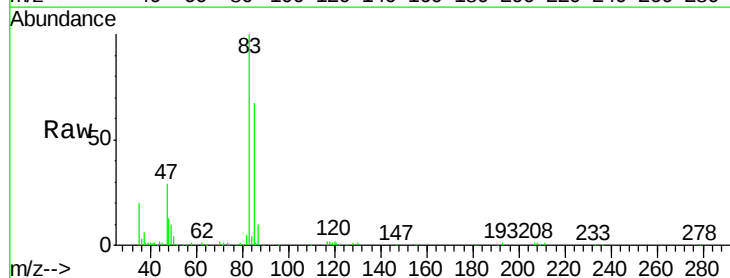
Manual Integrations
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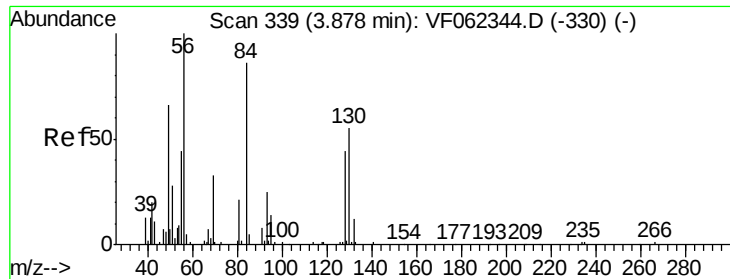
MMDadoda
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#30
Chloroform
Concen: 23.960 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	49.6	74.4





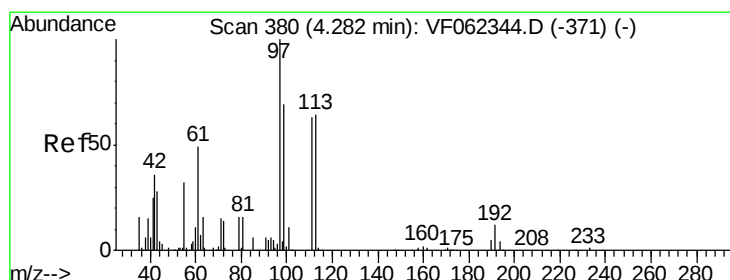
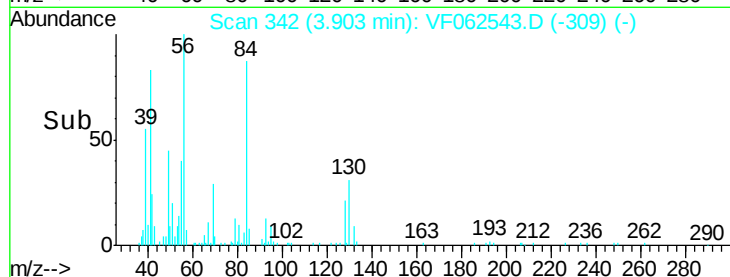
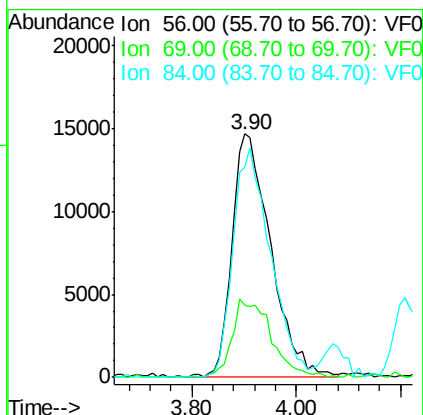
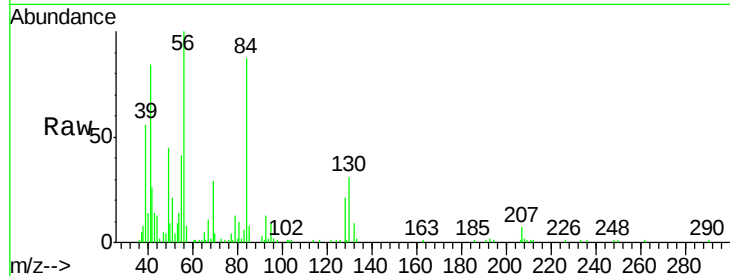
#31
Cvclohexane
Concen: 22.160 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	26.4	39.6
84	86.6	69.0	103.6

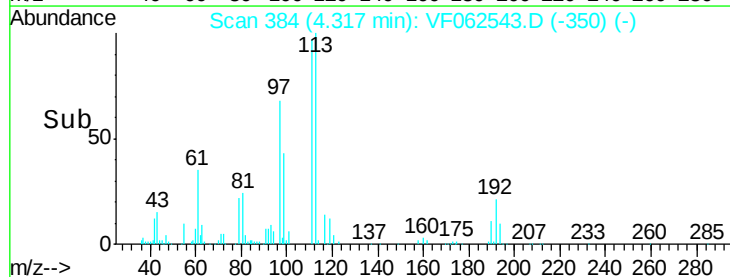
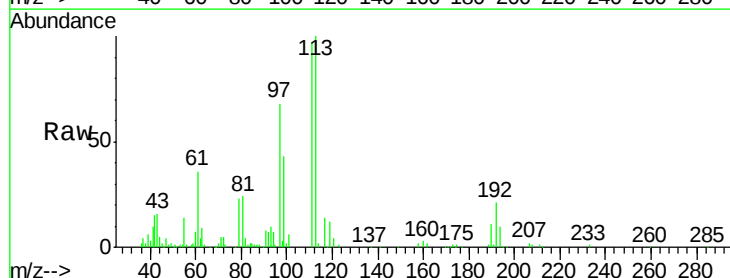
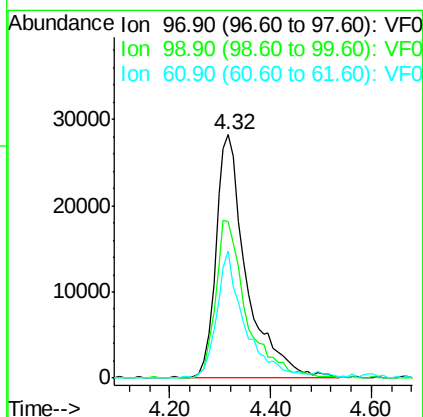
Manual Integrations
APPROVED

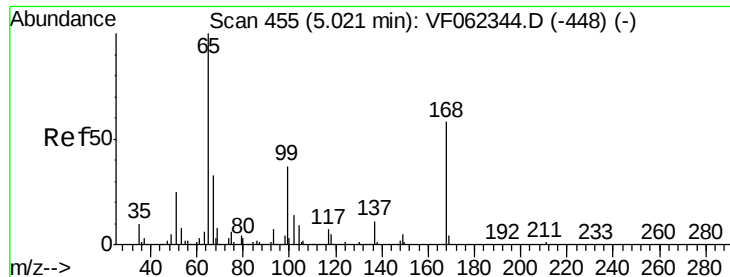
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#32
1,1,1-Trichloroethane
Concen: 24.621 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.6	78.8
61	47.7	39.4	59.0





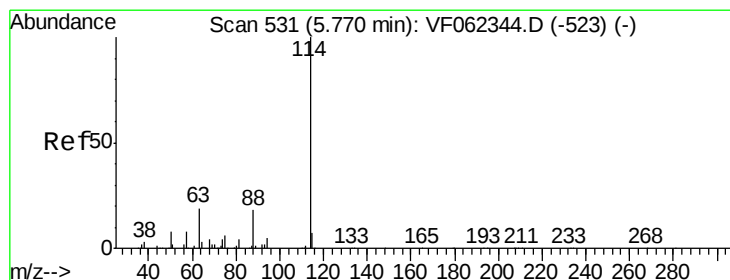
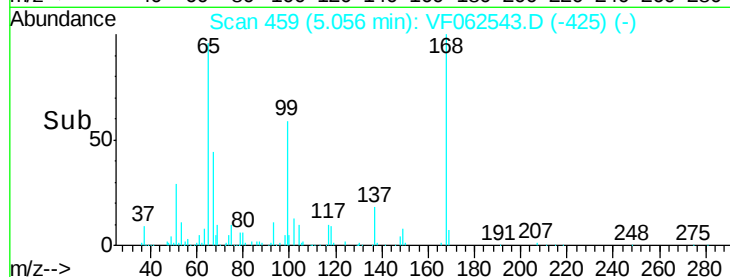
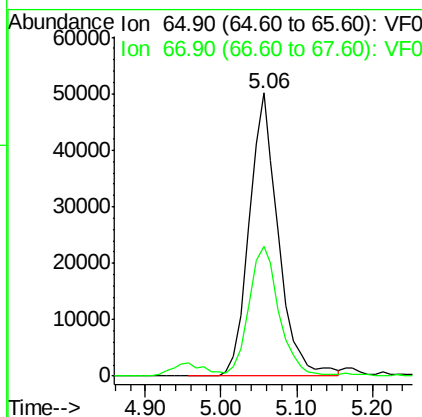
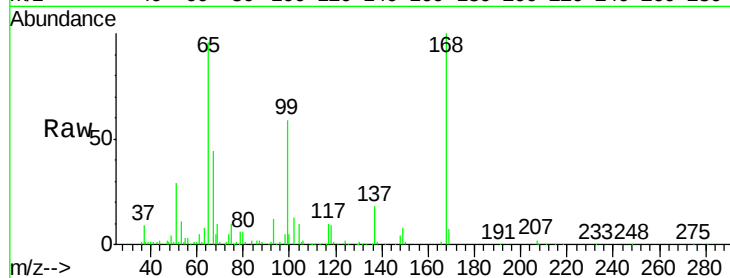
#33
 1,2-Dichloroethane-d4
 Concen: 43.331 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134059		
67	47.5	0.0	85.8	

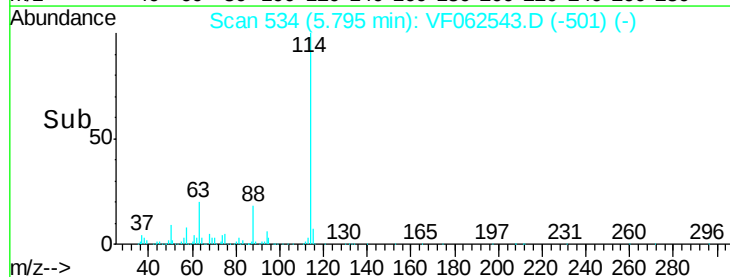
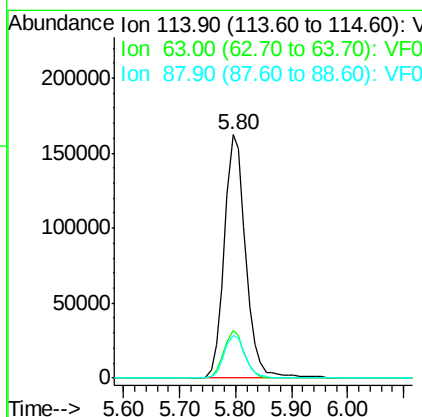
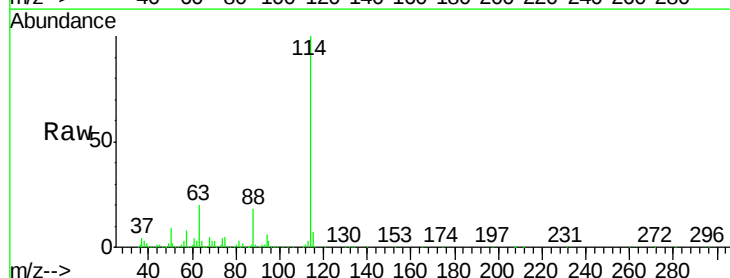
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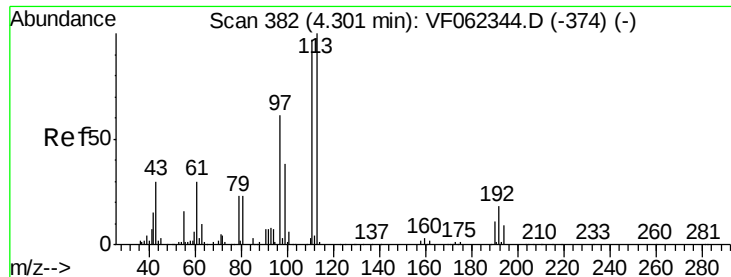
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. 0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	431368		
63	19.9	0.0	37.4	
88	17.6	0.0	36.4	





#35

Dibromofluoromethane

Concen: 49.671 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

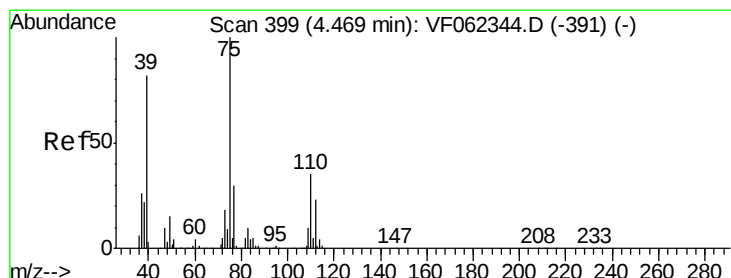
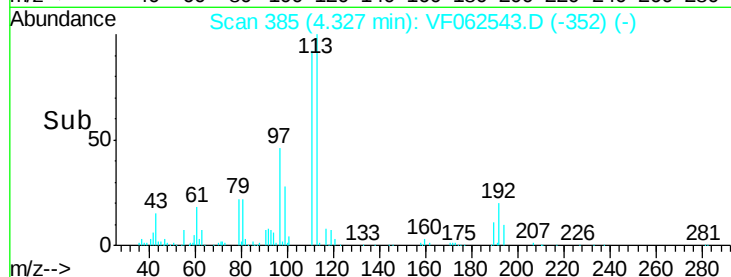
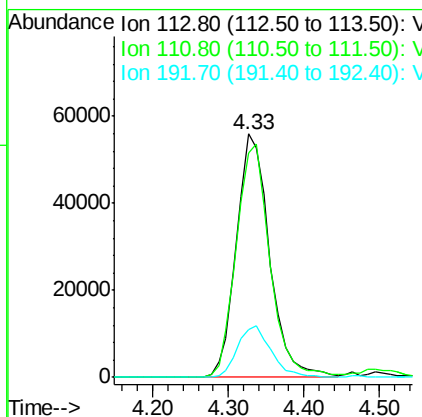
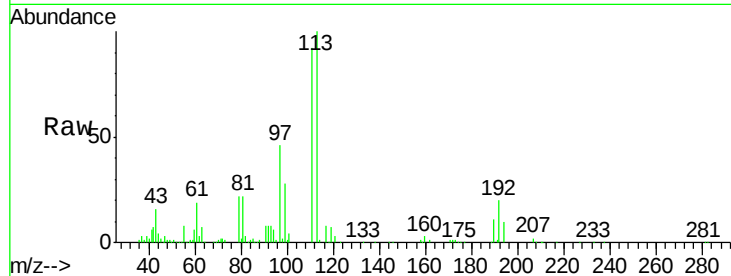
ClientSampleId :

VF0513SBS01

Tot Ion:	113	Resp:	170702
Ion Ratio	Lower	Upper	
113	100		
111	97.4	79.4	119.0
192	21.5	16.0	24.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.040 ug/l

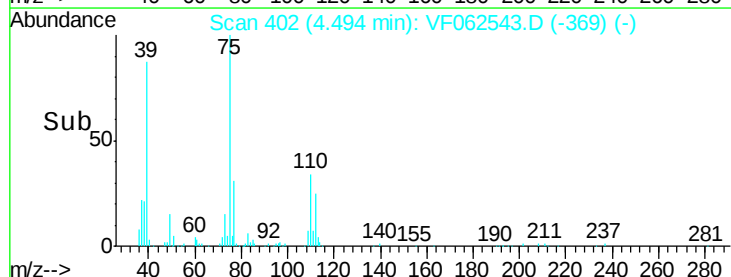
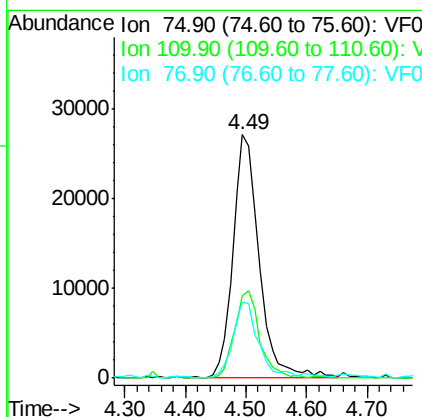
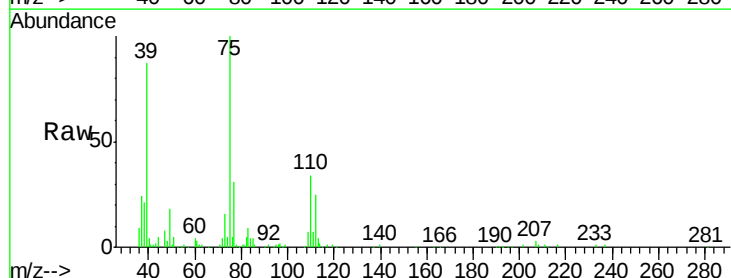
RT: 4.49 min Scan# 402

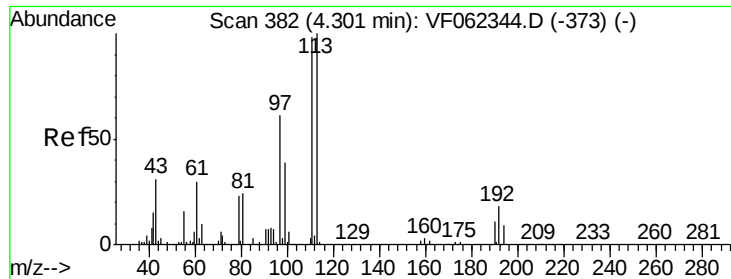
Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion:	75	Resp:	81671
Ion Ratio	Lower	Upper	
75	100		
110	34.4	17.2	51.5
77	30.6	25.2	37.8





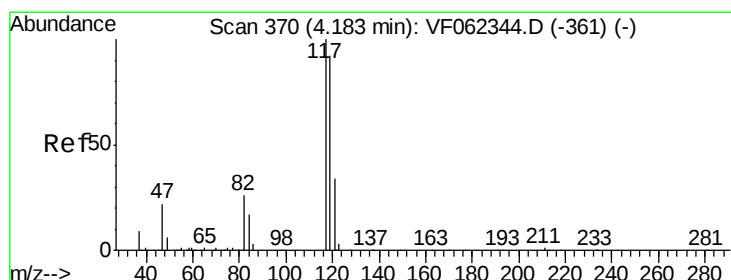
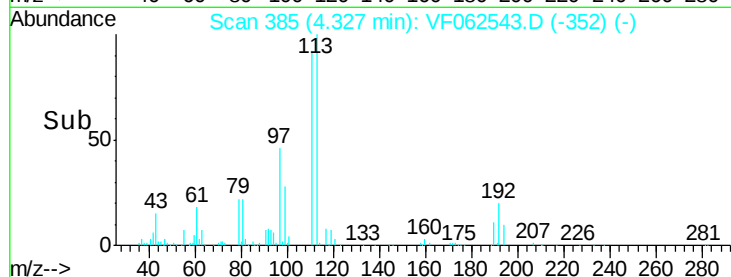
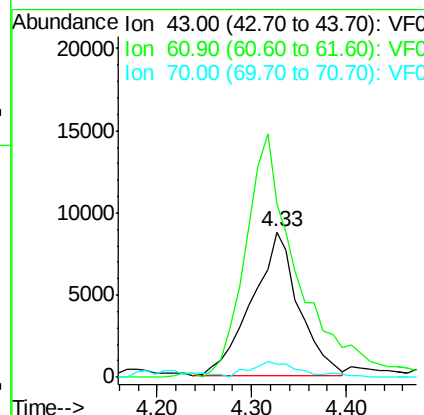
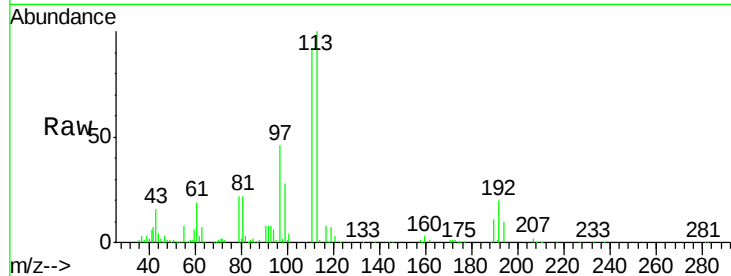
#37
Ethyl Acetate
Concen: 17.243 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	29862		
61	190.8	0.0	0.0	0.0
70	10.6	8.2	12.2	

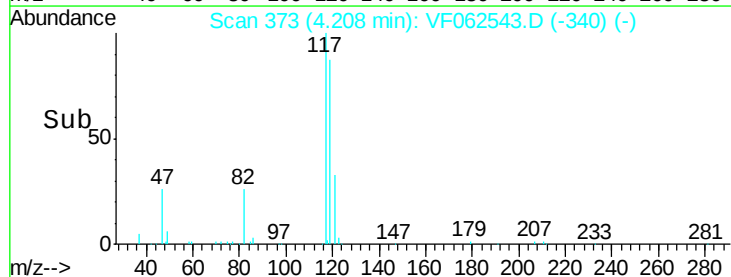
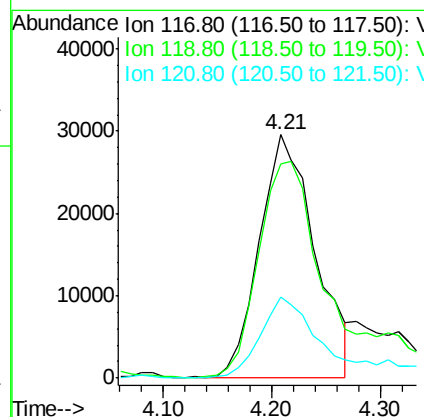
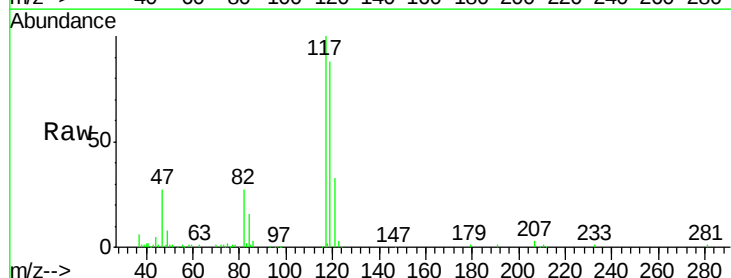
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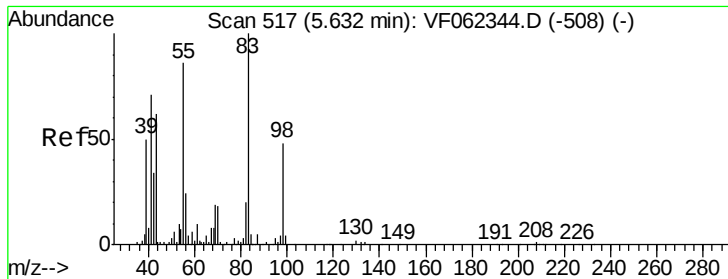
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#38
Carbon Tetrachloride
Concen: 26.171 ug/l m
RT: 4.21 min Scan# 373
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	105682		
119	87.8	73.4	110.2	
121	33.3	27.4	41.0	





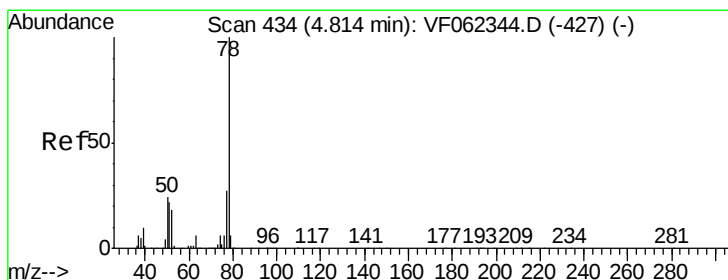
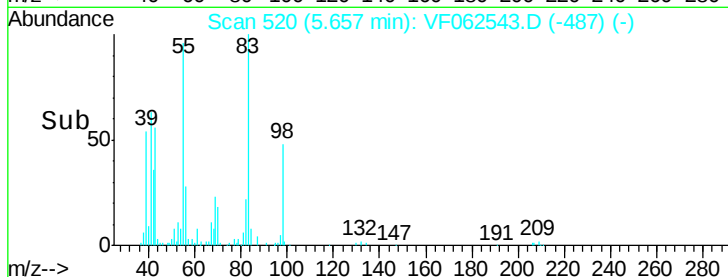
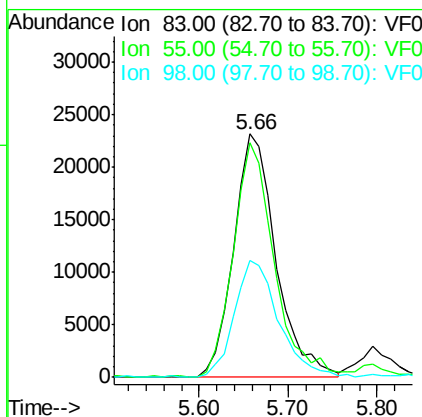
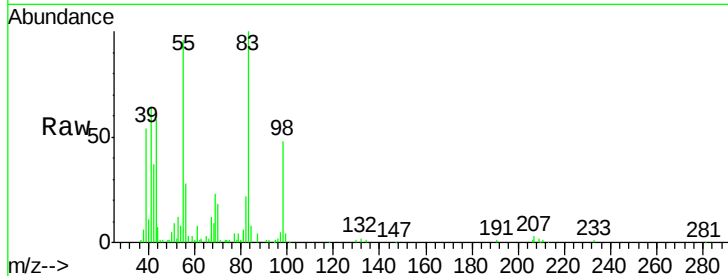
#39
Methvlcvclohexane
Concen: 20.539 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.4	69.0	103.6
98	47.9	38.6	58.0

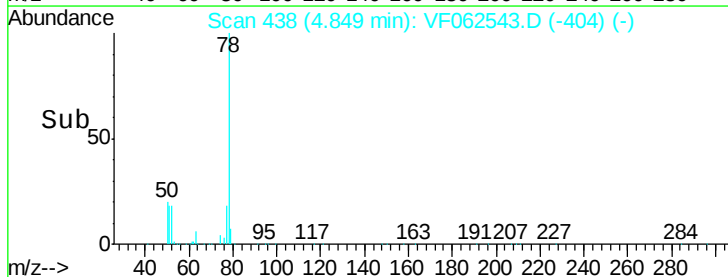
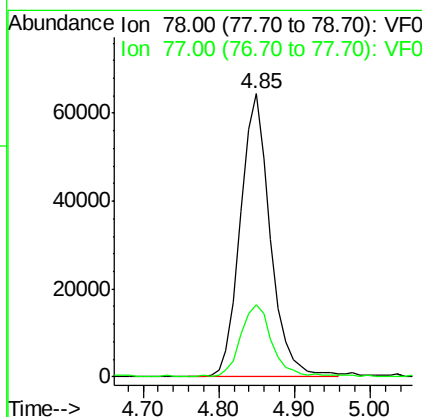
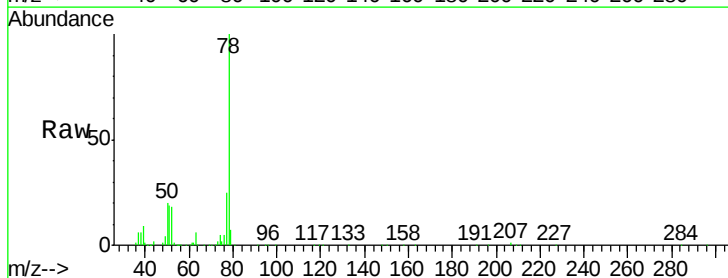
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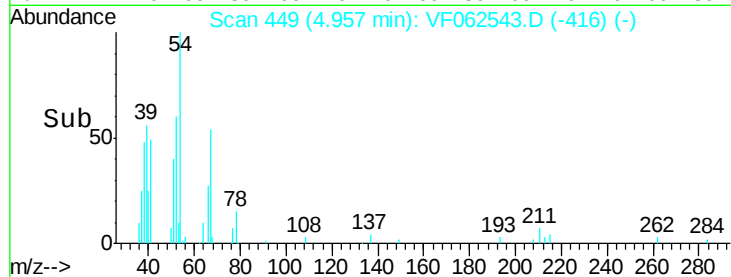
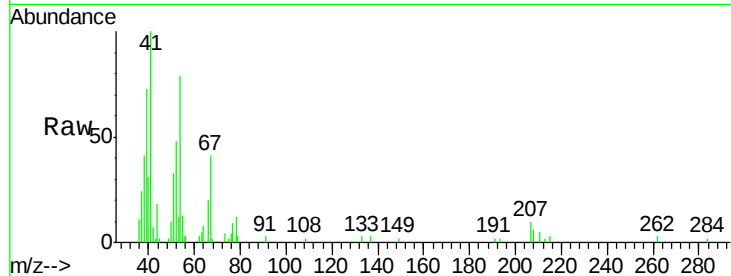
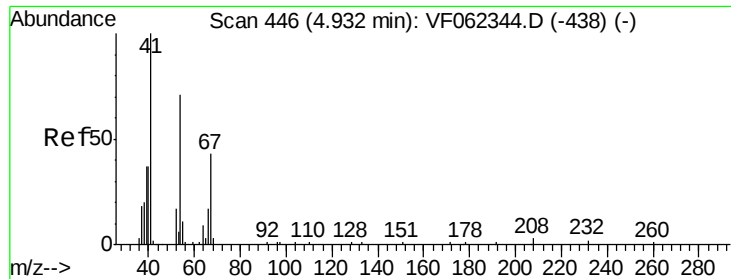
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#40
Benzene
Concen: 21.673 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	21.6	32.4





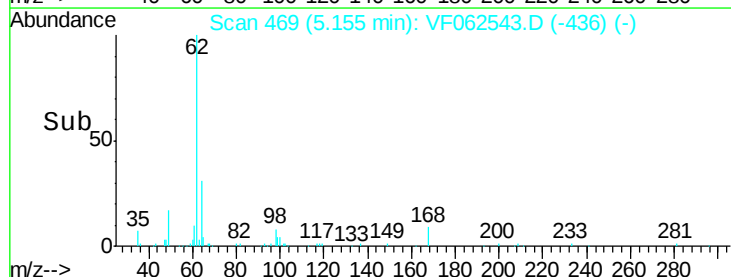
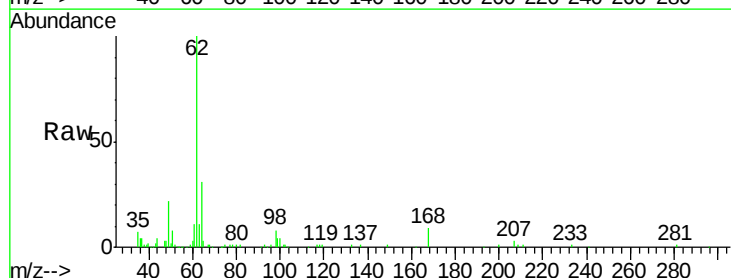
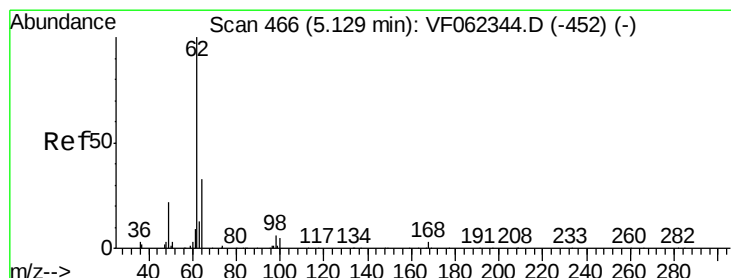
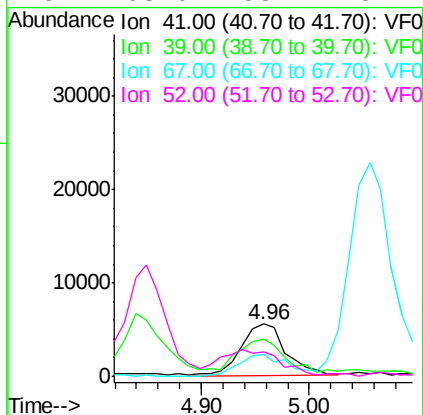
#41
Methacrylonitrile
Concen: 18.165 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tot Ion	41	Resp:	16140
Ion Ratio	Lower	Upper	
41	100		
39	66.6	54.3	81.5
67	46.1	37.8	56.8
52	68.0	58.2	87.4

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

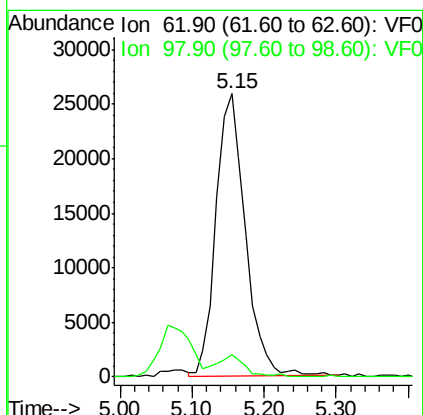
Manual Integrations
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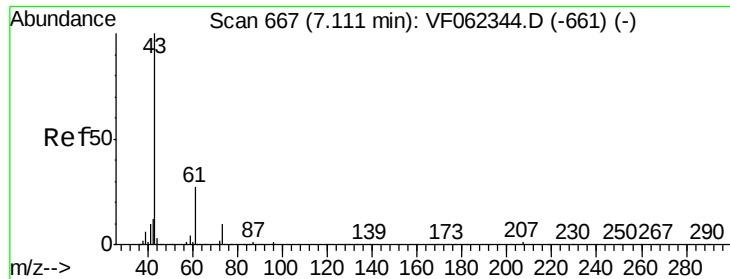
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.319 ug/l
RT: 5.15 min Scan# 469
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	62	Resp:	72759
Ion Ratio	Lower	Upper	
62	100		
98	7.0	0.0	12.4





#43

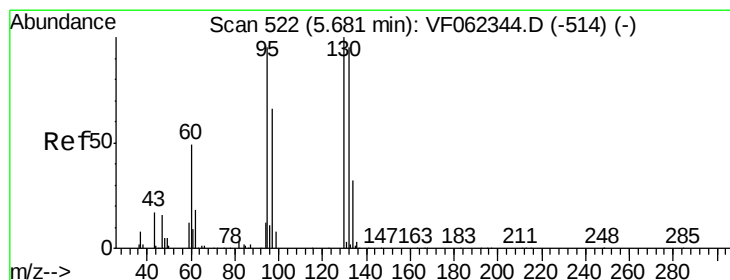
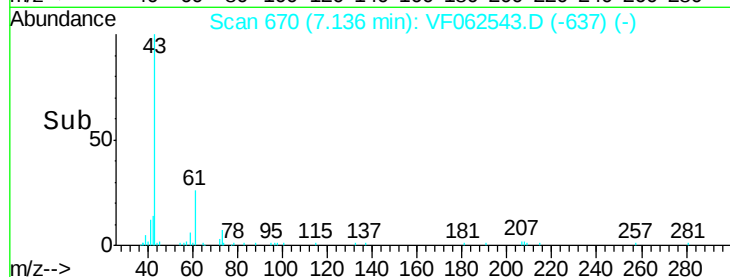
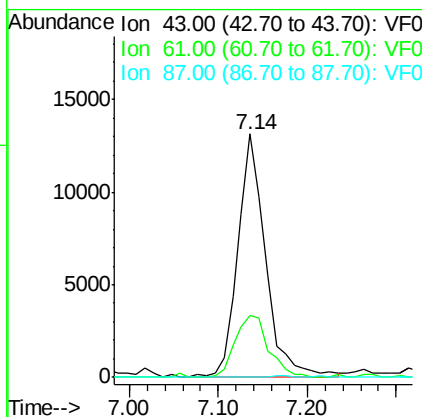
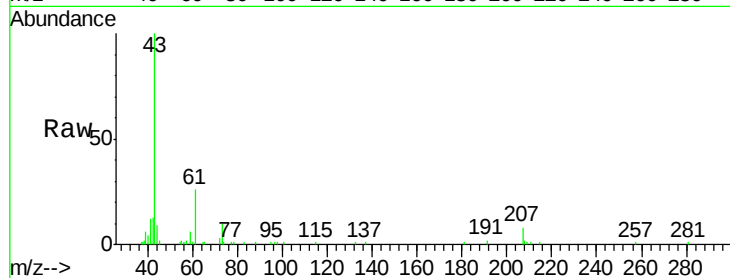
Isopropyl Acetate
 Concen: 16.955 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	22.8	34.2
87	0.0	0.6	1.0

Manual Integrations
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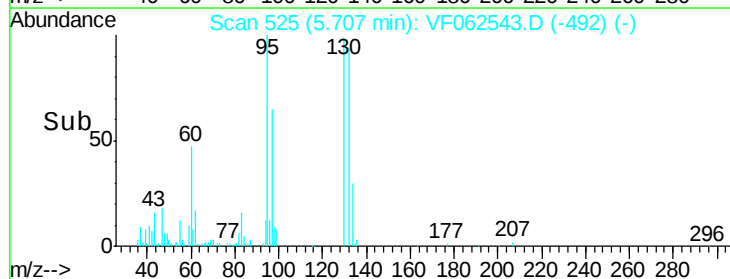
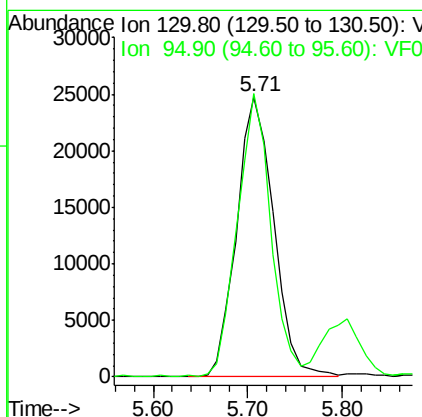
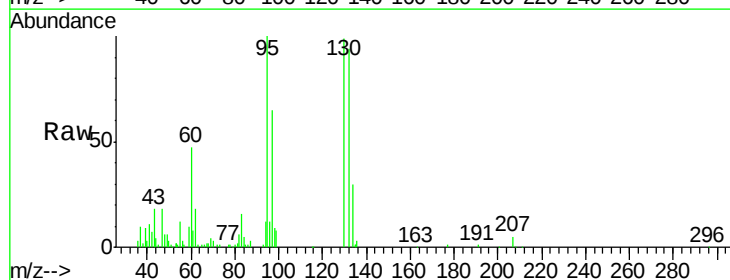
MMDadoda
 5/14/2019 11:01:55 AM



#44

Trichloroethene
 Concen: 22.531 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	189.0





#45

1,2-Dichloropropane

Concen: 22.431 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion: 63 Resp: 41458

Ion Ratio Lower Upper

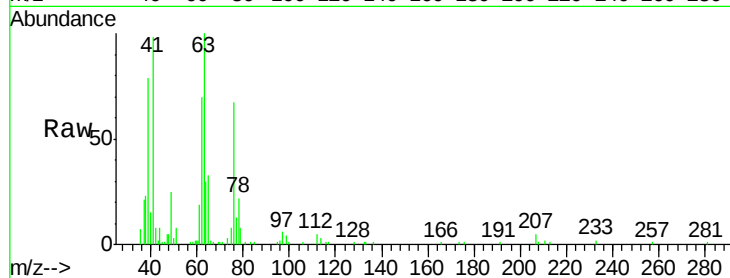
63 100

65 32.9 25.6 38.4

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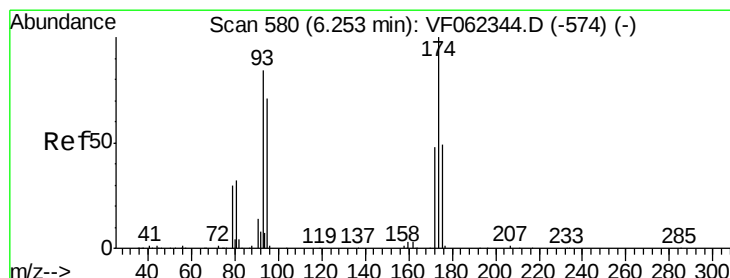
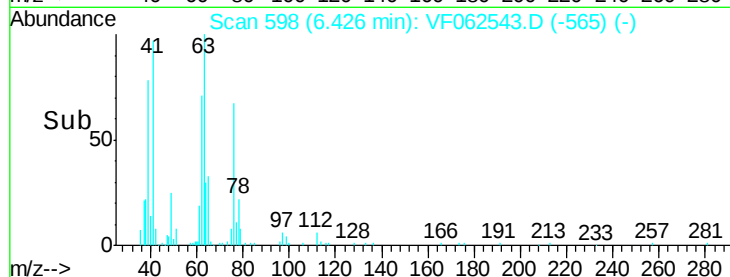
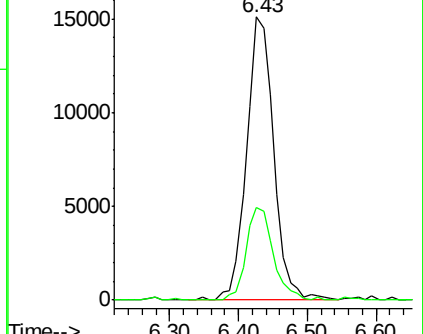
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 22.233 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

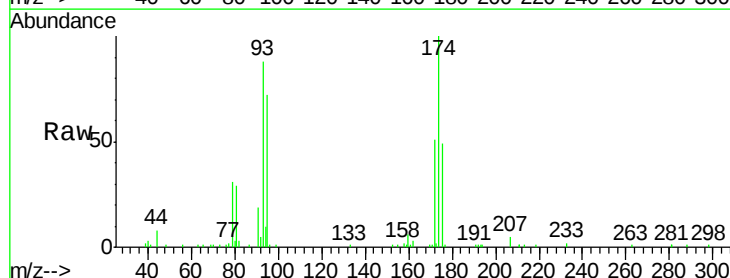
Tgt Ion: 93 Resp: 34071

Ion Ratio Lower Upper

93 100

95 83.1 68.4 102.6

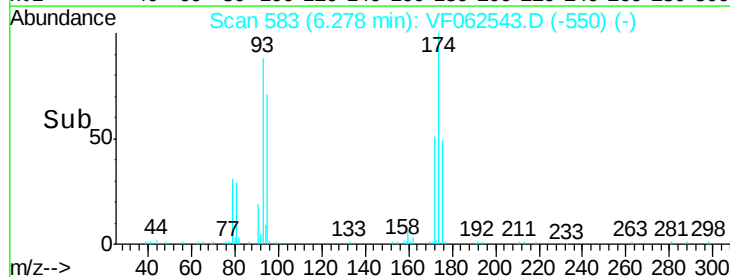
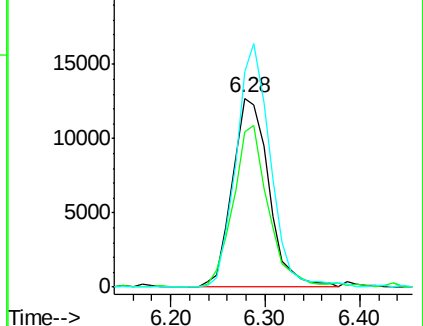
174 120.7 99.6 149.4

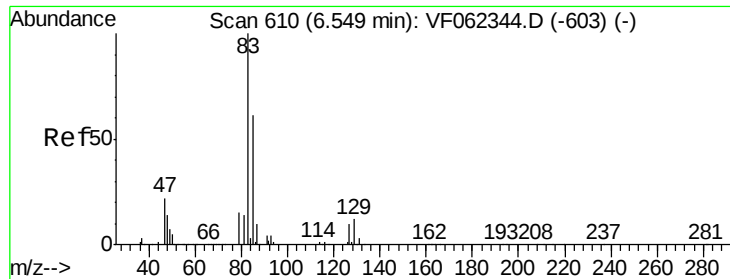


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.263 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

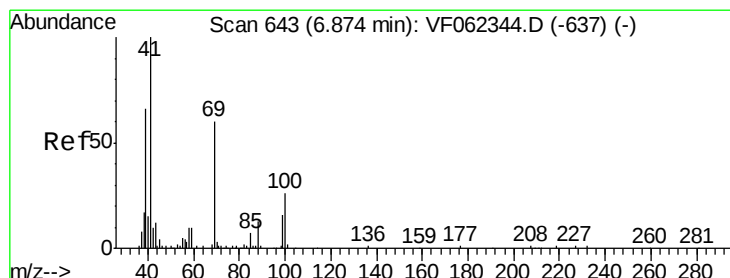
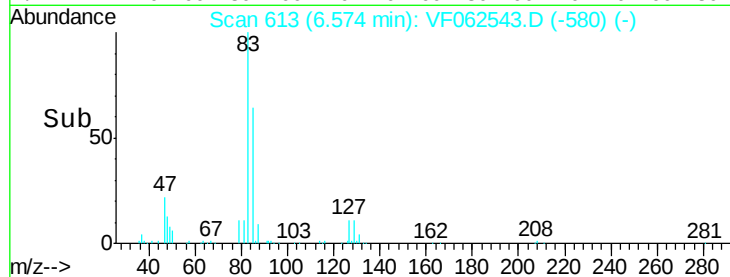
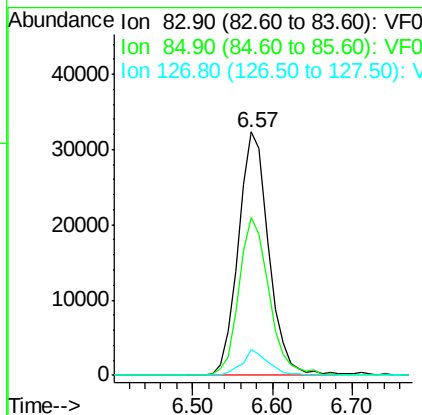
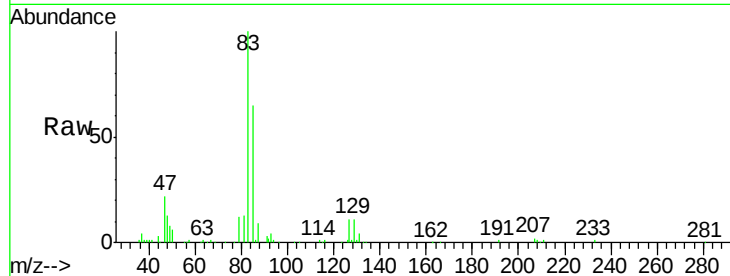
ClientSampleId :

VF0513SBS01

Tot Ion:	83	Resp:	85297
Ion Ratio	Lower	Upper	
83	100		
85	64.7	49.1	73.7
127	11.0	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.614 ug/l

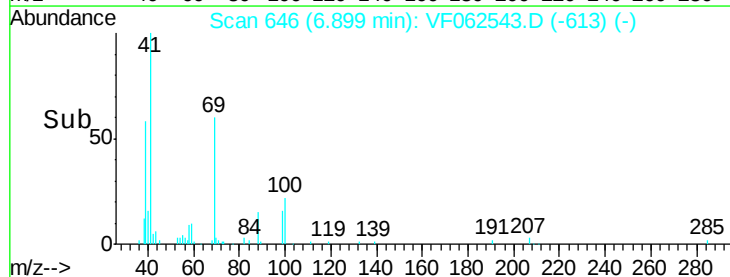
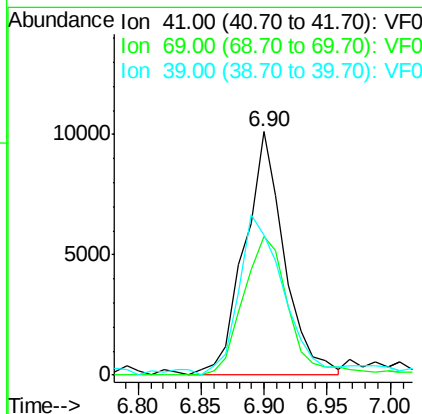
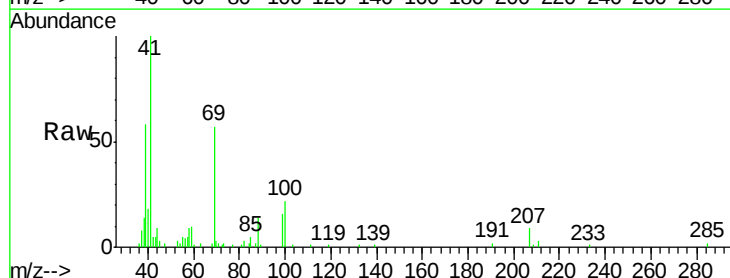
RT: 6.90 min Scan# 646

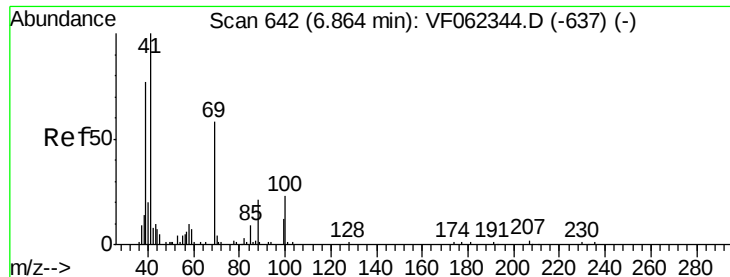
Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion:	41	Resp:	22171
Ion Ratio	Lower	Upper	
41	100		
69	64.8	48.6	72.8
39	75.7	56.1	84.1





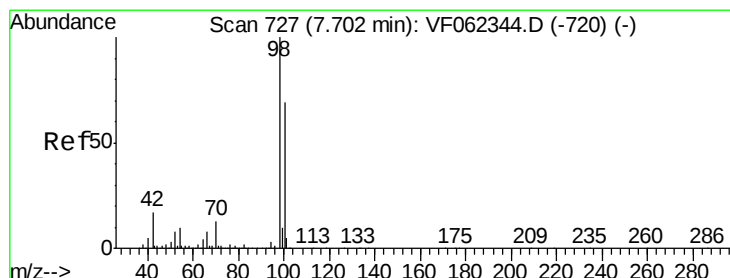
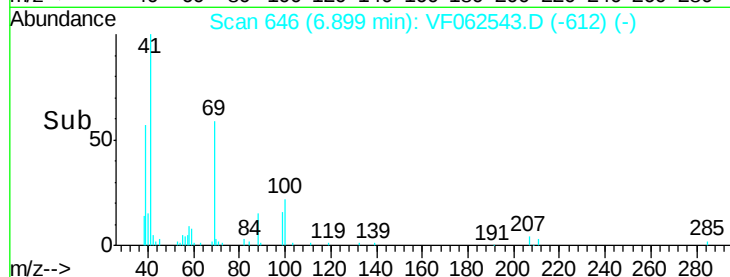
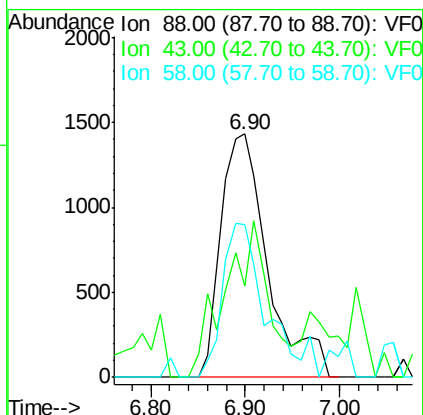
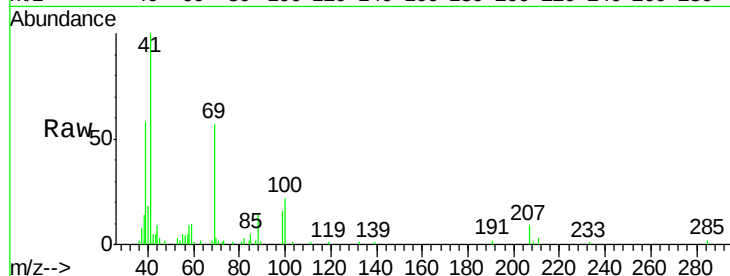
#49
1,4-Dioxane
Concen: 394.275 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.04 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.3	55.6	83.4
58	56.3	52.8	79.2

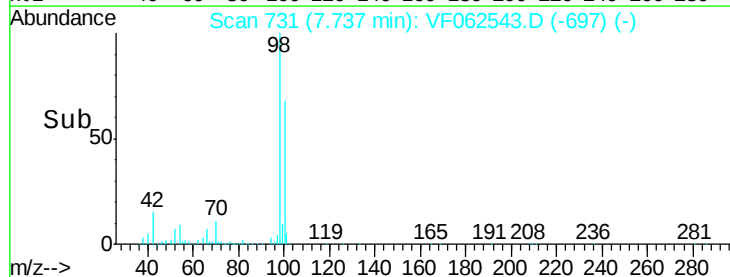
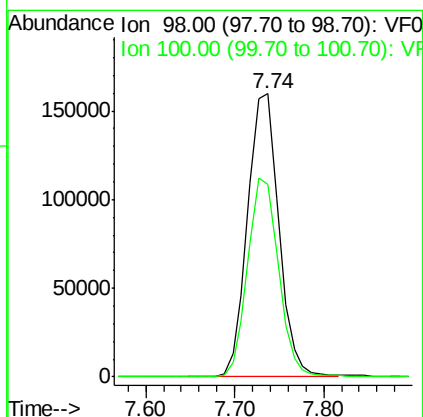
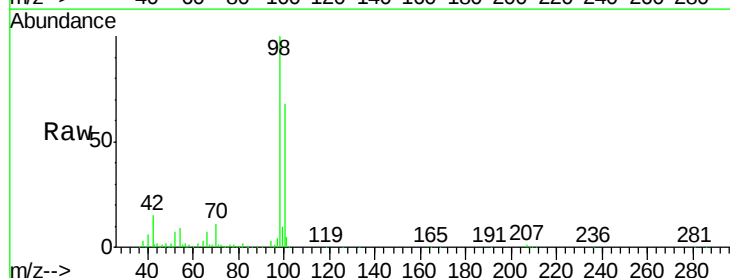
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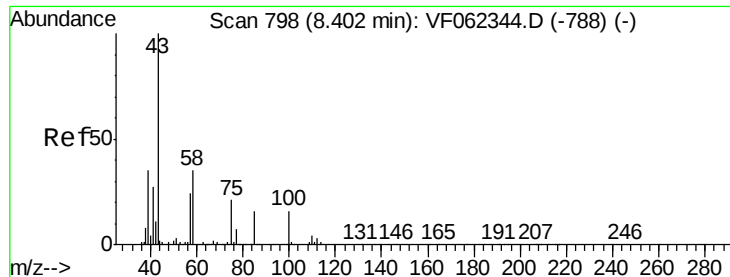
MMDadoda
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#50
Toluene-d8
Concen: 46.639 ug/l
RT: 7.74 min Scan# 731
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.8	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 100.416 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion: 43 Resp: 128248

Ion Ratio Lower Upper

43 100

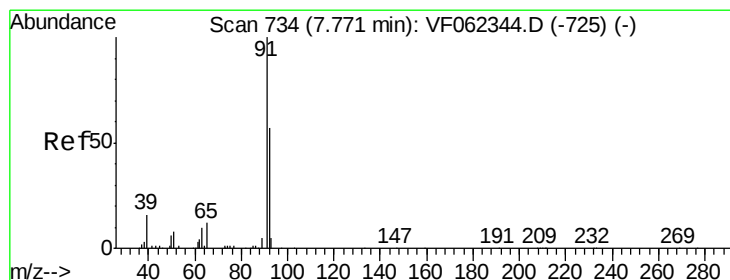
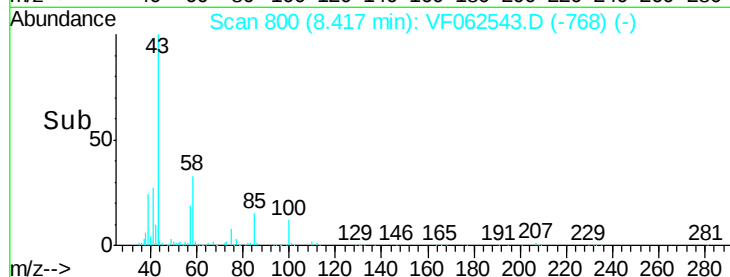
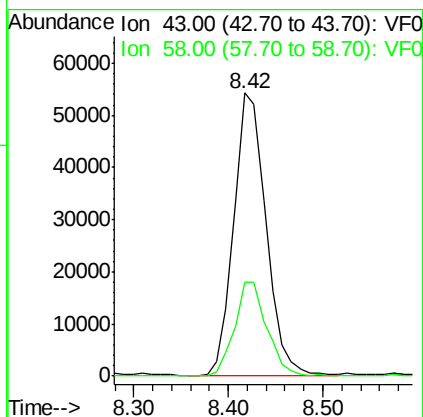
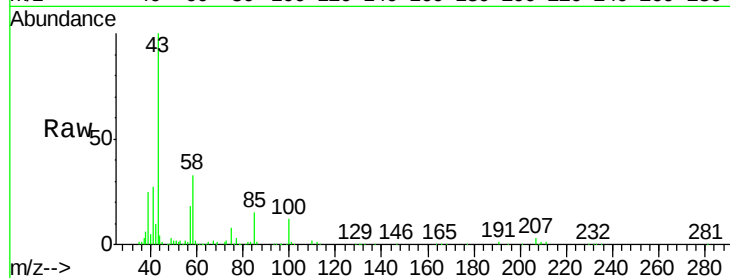
58 33.7 27.8 41.6

Manual Integrations

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#52

Toluene

Concen: 22.238 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062543.D

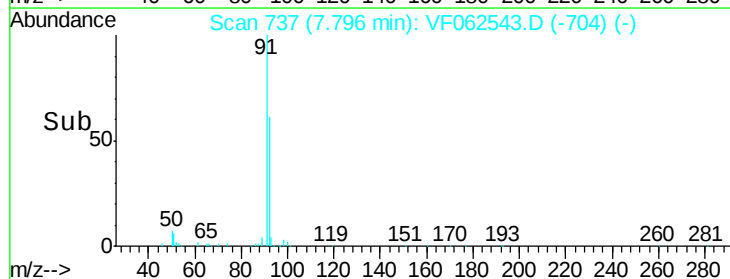
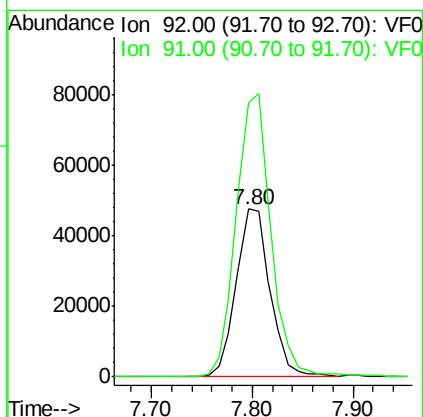
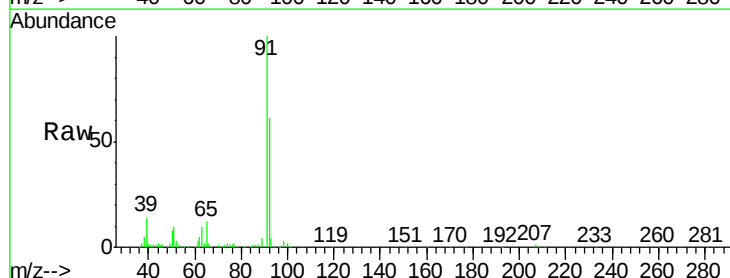
Acq: 13 May 2019 15:55

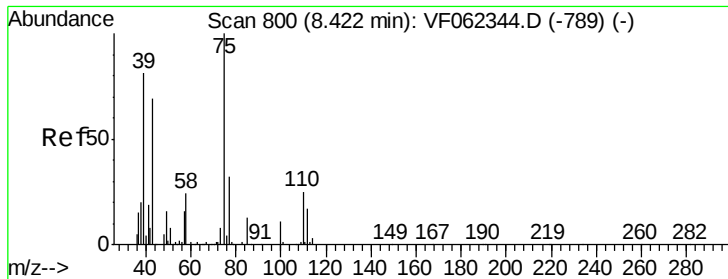
Tgt Ion: 92 Resp: 111945

Ion Ratio Lower Upper

92 100

91 174.3 138.7 208.1





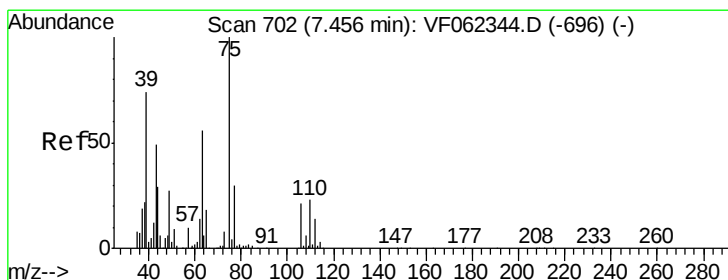
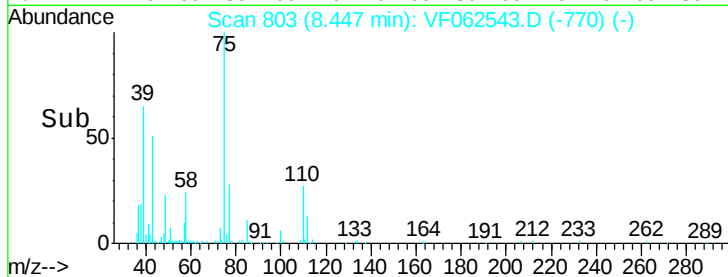
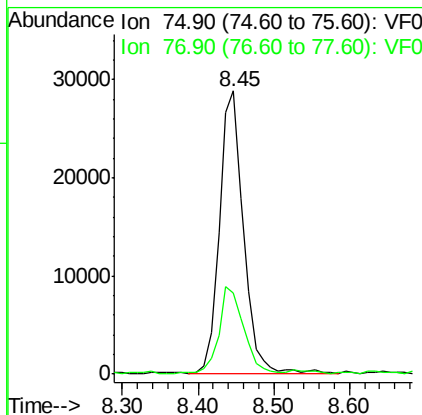
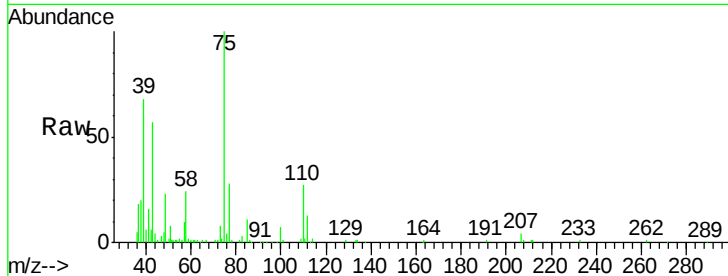
#53
t-1,3-Dichloropropene
Concen: 22.207 ug/l
RT: 8.45 min Scan# 803
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.4	38.0

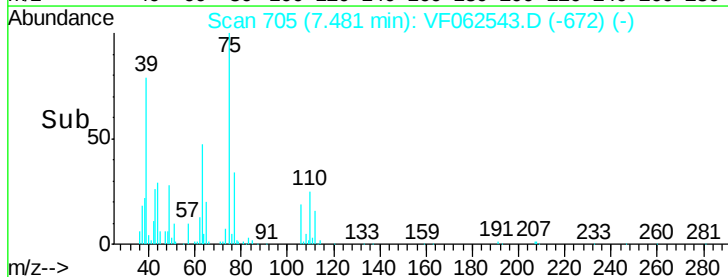
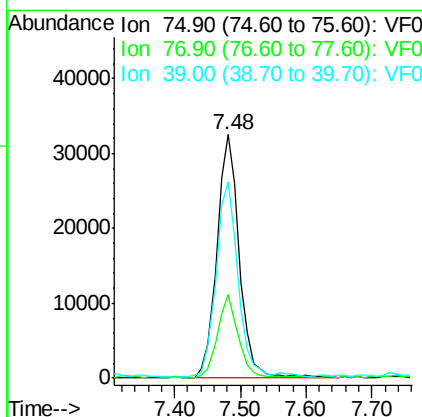
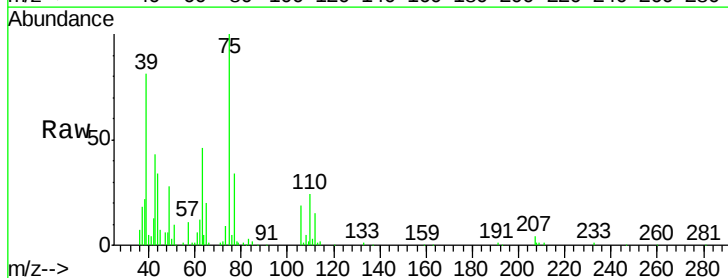
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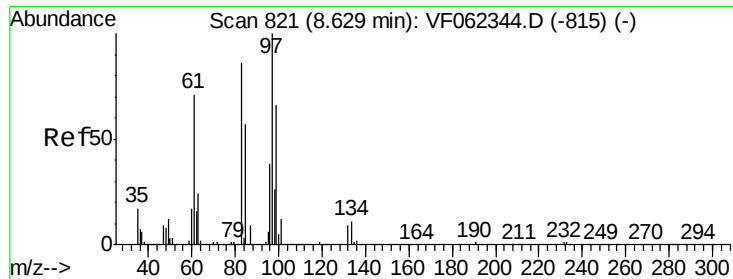
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#54
cis-1,3-Dichloropropene
Concen: 22.902 ug/l
RT: 7.48 min Scan# 705
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.5	24.0	36.0
39	80.1	58.7	88.1





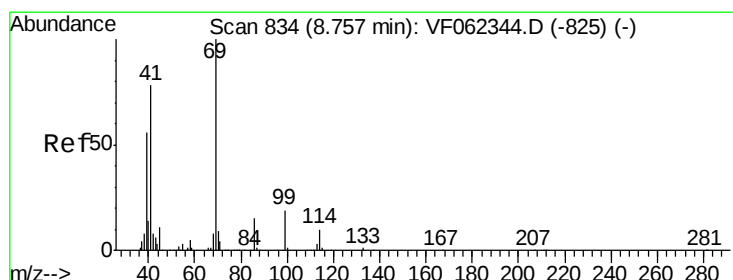
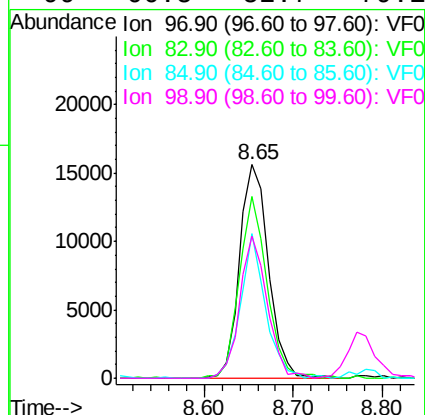
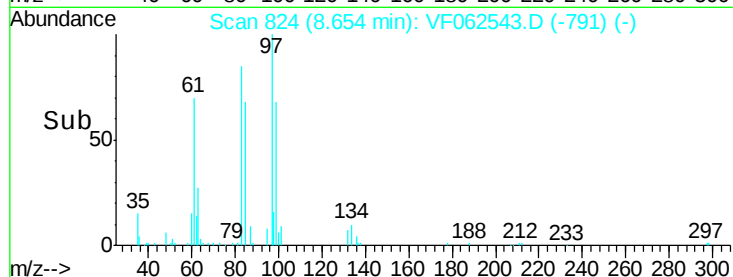
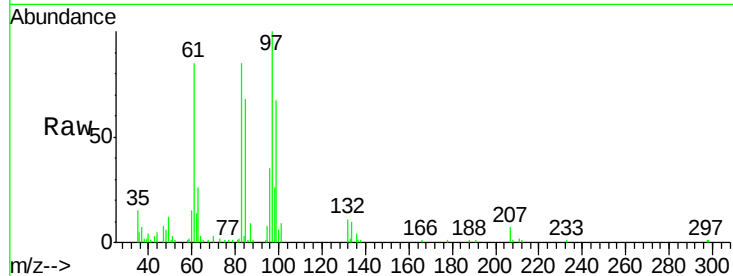
#55
 1,1,2-Trichloroethane
 Concen: 22.100 ug/l
 RT: 8.65 min Scan# 824
 Delta R.T. 0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Tot Ion:	97	Resp:	35317
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.5	102.7
85	67.7	45.4	68.2
99	66.5	52.7	79.1

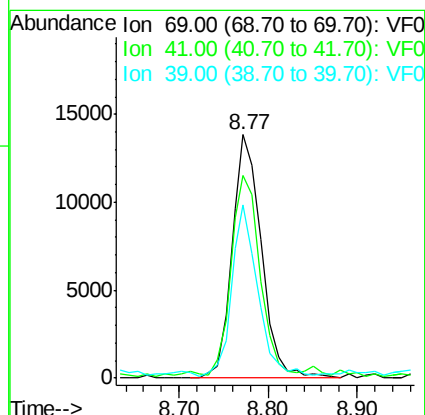
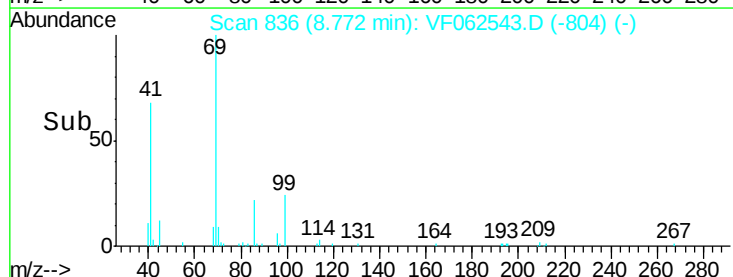
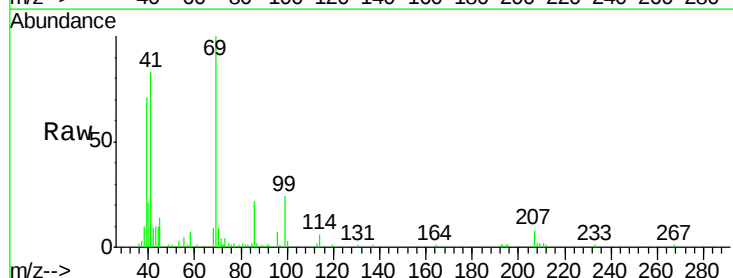
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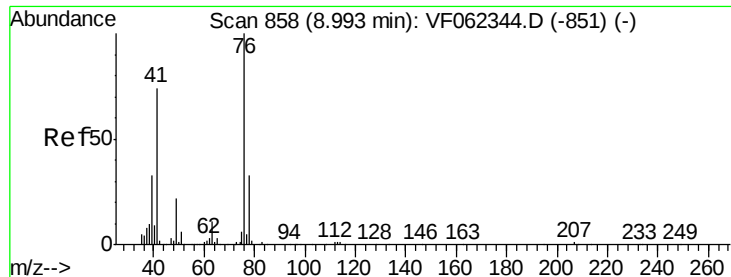
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#56
 Ethyl methacrylate
 Concen: 18.913 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.02 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Tgt Ion:	69	Resp:	31904
Ion	Ratio	Lower	Upper
69	100		
41	82.5	66.3	99.5
39	62.4	50.1	75.1





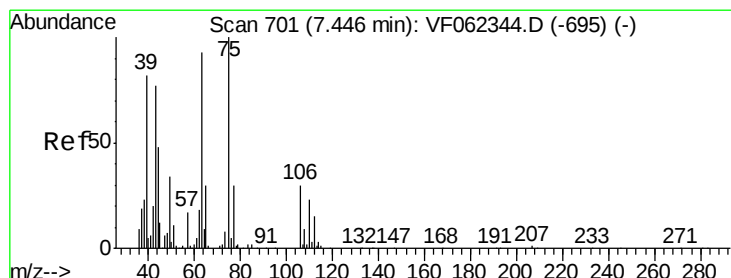
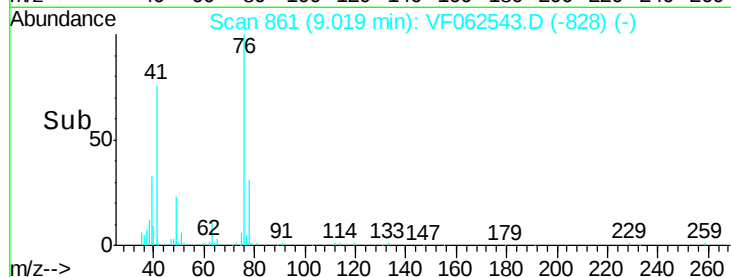
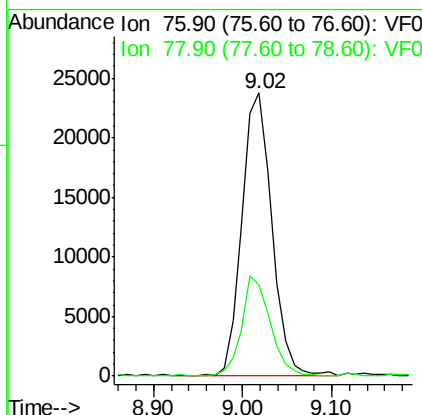
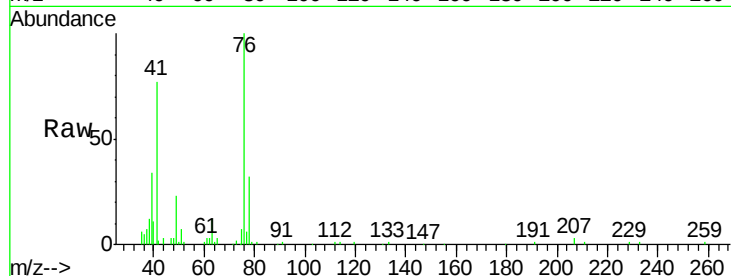
#57
 1,3-Dichloropropane
 Concen: 22.969 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Tot Ion: 76 Resp: 55443
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.4 39.6

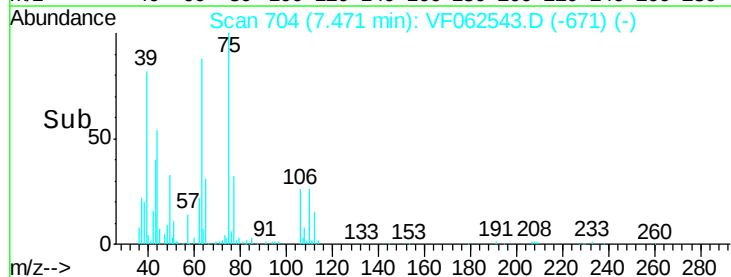
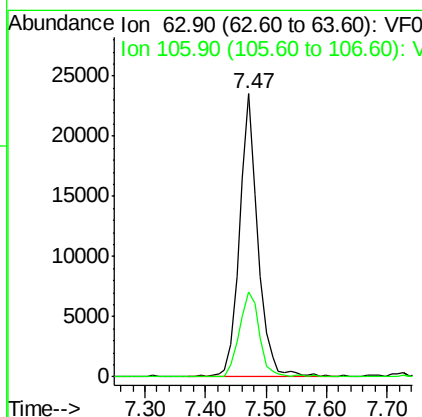
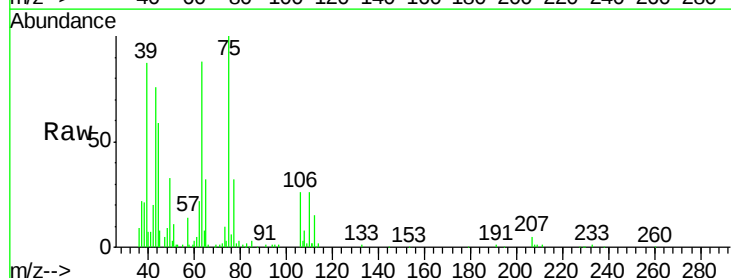
Manual Integrations
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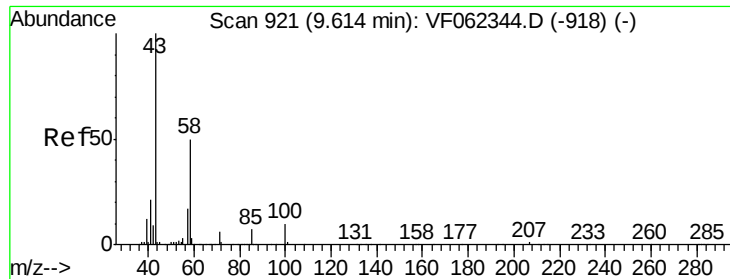
MMDadoda
 5/14/2019 11:01:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.134 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.03 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Tgt Ion: 63 Resp: 49262
 Ion Ratio Lower Upper
 63 100
 106 32.6 25.8 38.8





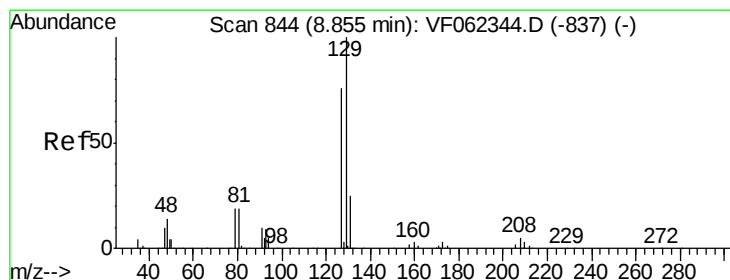
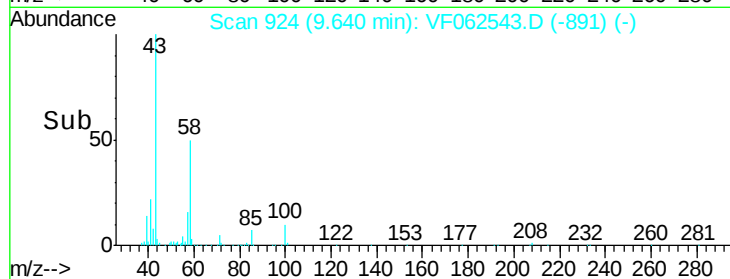
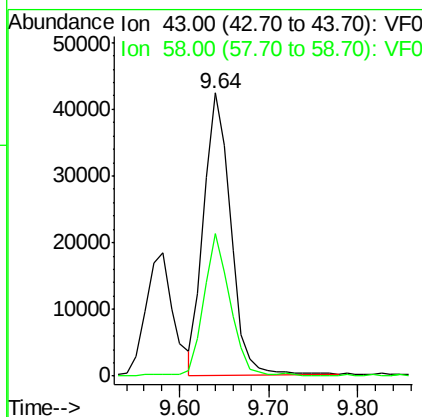
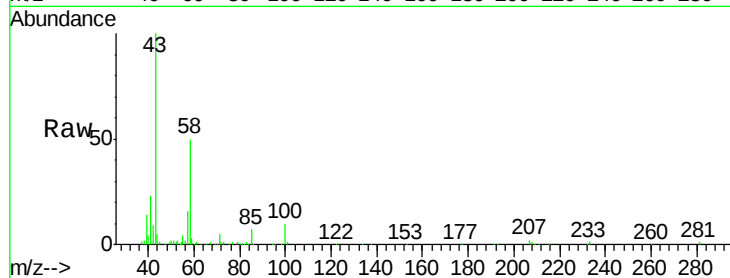
#59
2-Hexanone
Concen: 100.750 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	24.3	73.0

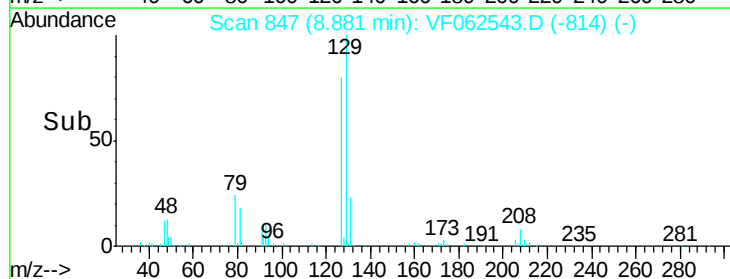
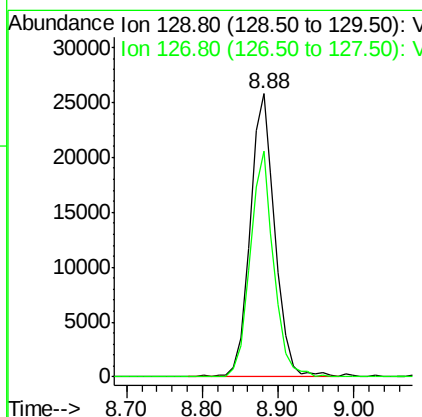
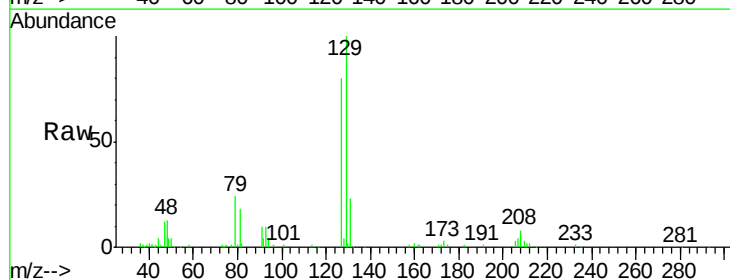
Manual Integrations
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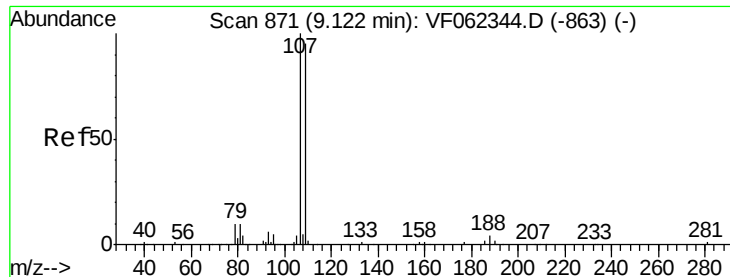
MMDadoda
5/14/2019 11:01:55 AM



#60
Dibromochloromethane
Concen: 22.442 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.5	115.3





#61

1,2-Dibromoethane

Concen: 21.450 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion:107 Resp: 40288

Ion Ratio Lower Upper

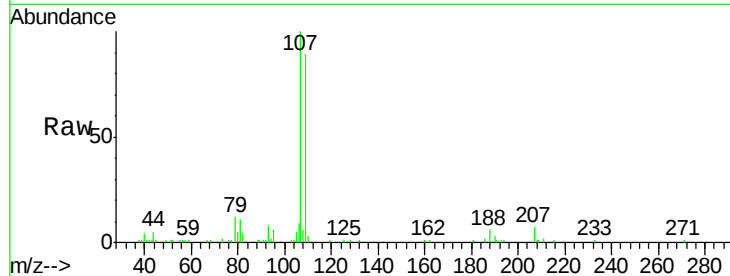
107 100

109 97.8 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

20000 Ion 108.80 (108.50 to 109.50): V

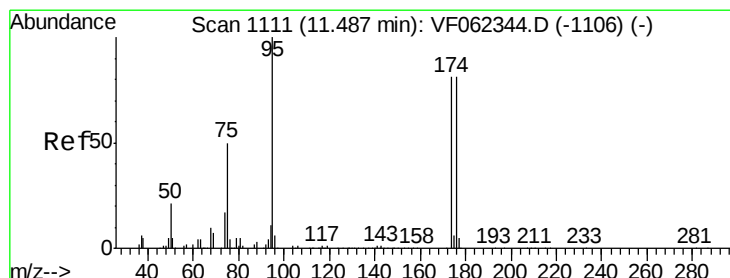
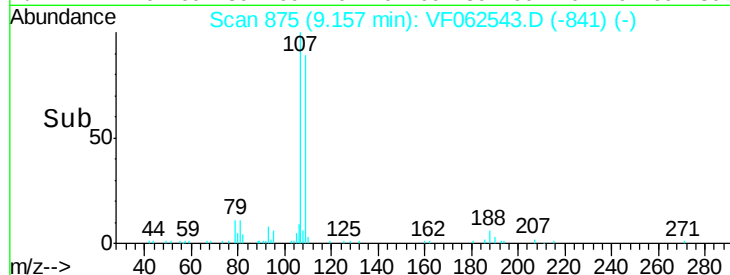
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.375 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

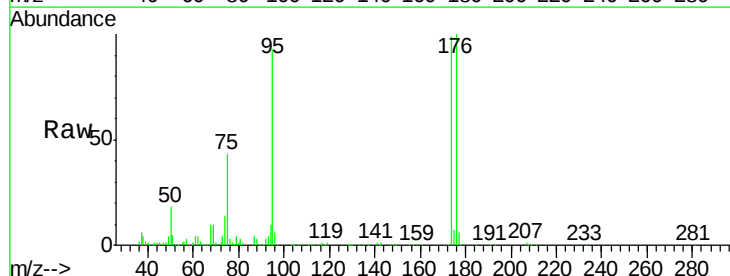
Tgt Ion: 95 Resp: 185313

Ion Ratio Lower Upper

95 100

174 96.4 0.0 191.8

176 97.4 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

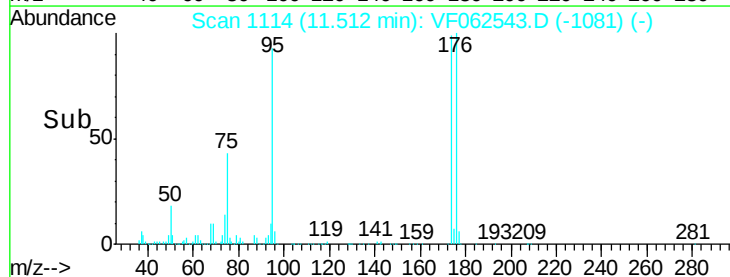
150000 Ion 173.80 (173.50 to 174.50): V

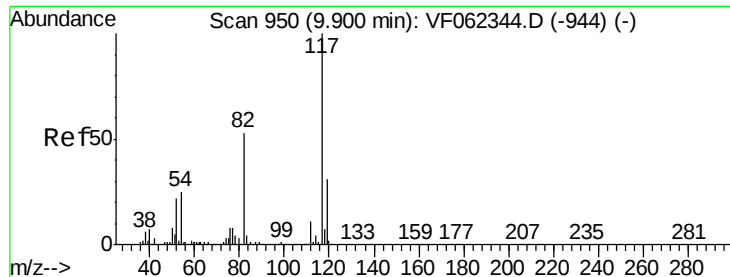
100000 Ion 175.80 (175.50 to 176.50): V

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

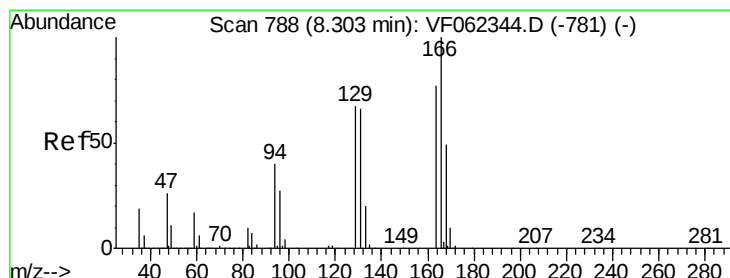
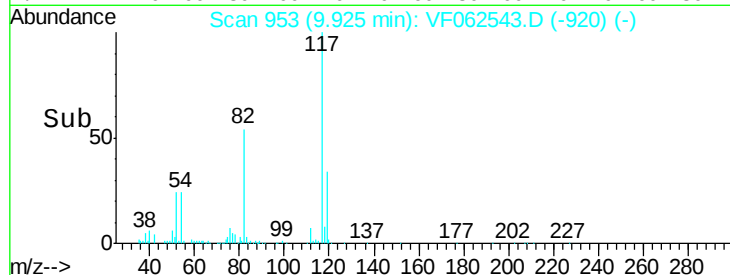
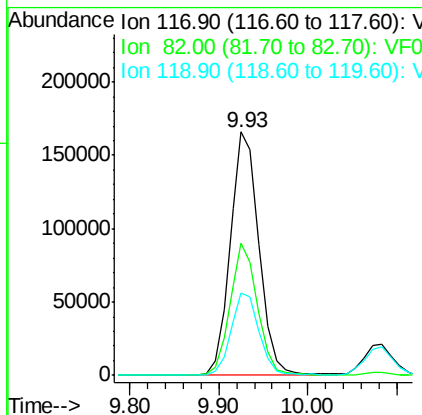
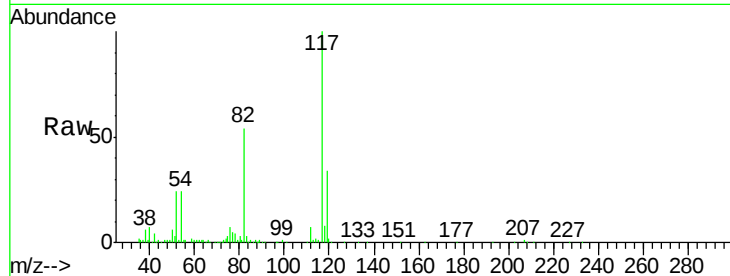
ClientSampleId :

VF0513SBS01

Tot Ion:	117	Resp:	374613
Ion Ratio	Lower	Upper	
117	100		
82	54.1	42.2	63.2
119	33.7	25.0	37.4

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#64

Tetrachloroethene

Concen: 22.070 ug/l

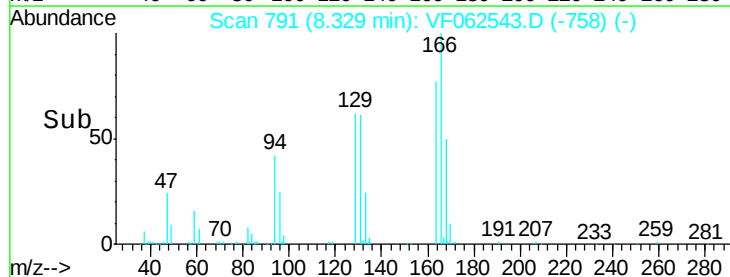
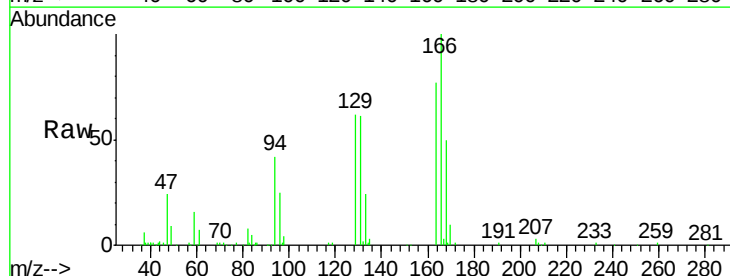
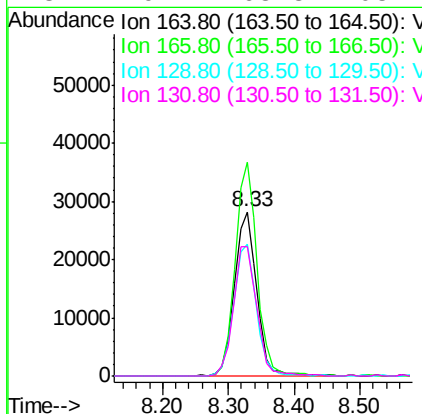
RT: 8.33 min Scan# 791

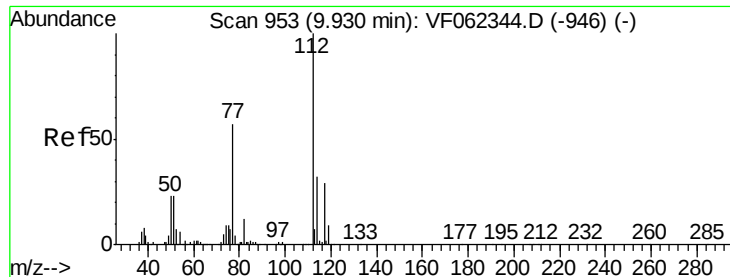
Delta R.T. 0.03 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion:	164	Resp:	67120
Ion Ratio	Lower	Upper	
164	100		
166	130.3	104.2	156.4
129	80.7	69.6	104.4
131	79.2	68.8	103.2





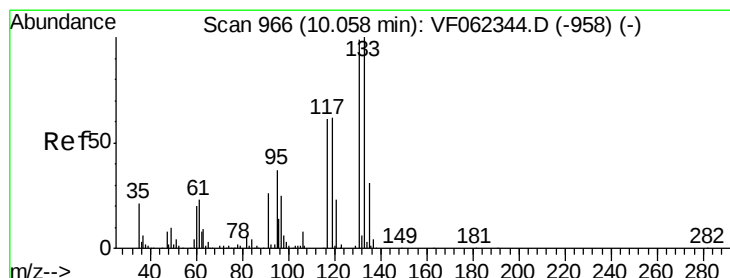
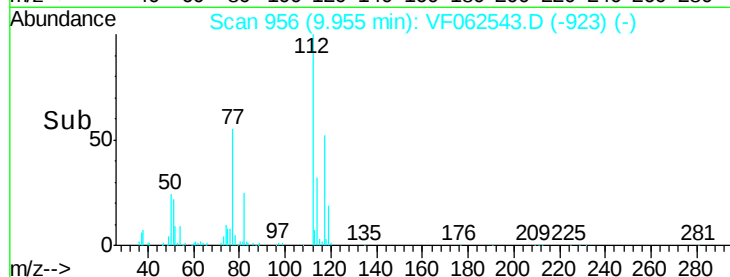
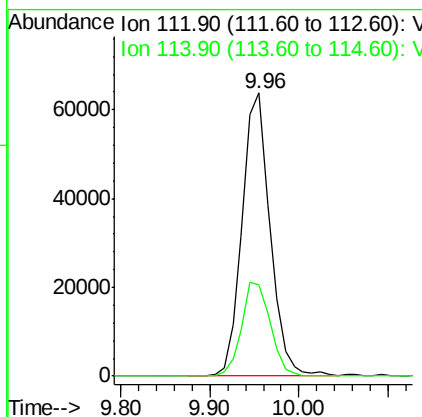
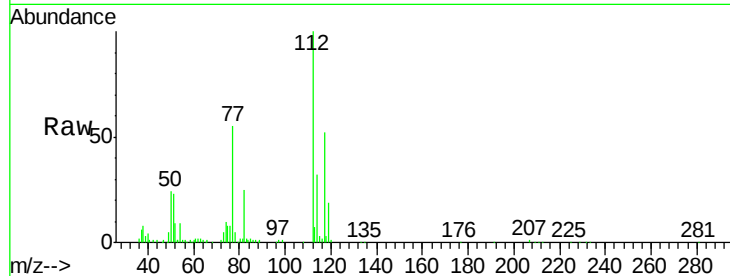
#65
Chlorobenzene
Concen: 22.492 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	139410		
114	32.4	25.4	38.0	

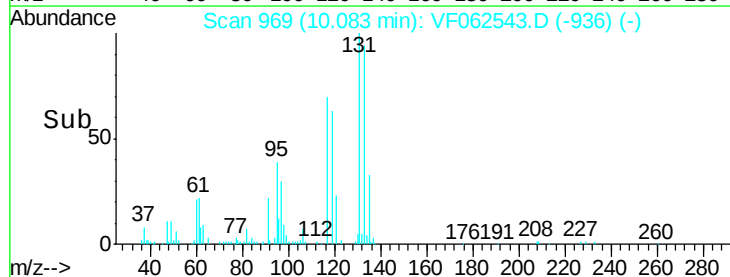
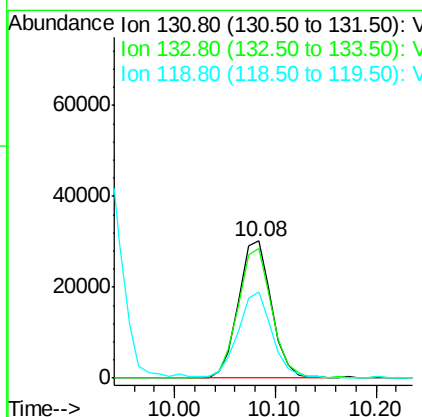
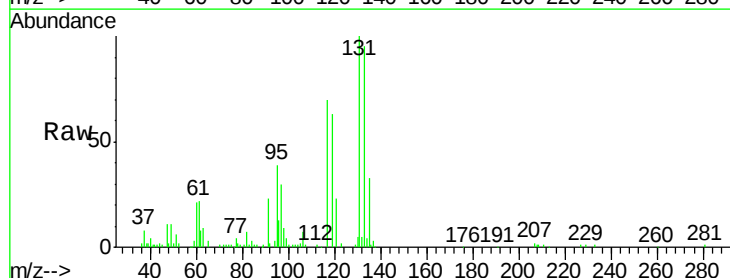
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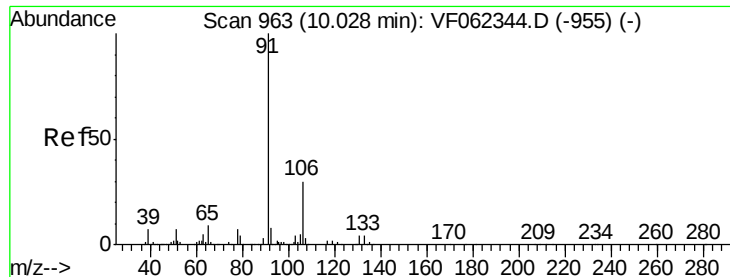
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.020 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.03 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	68853		
133	96.6	50.2	150.7	
119	64.9	31.6	95.0	





#67

Ethyl Benzene

Concen: 23.552 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampled :

VF0513SBS01

Tot Ion: 91 Resp: 255625

Ion Ratio Lower Upper

91 100

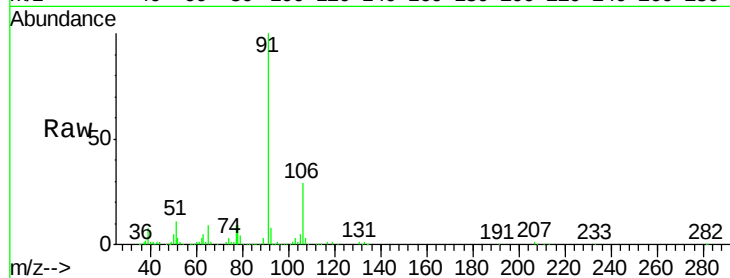
106 29.0 24.1 36.1

Manual Integrations

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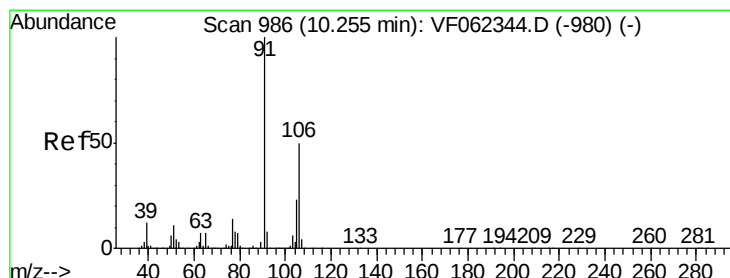
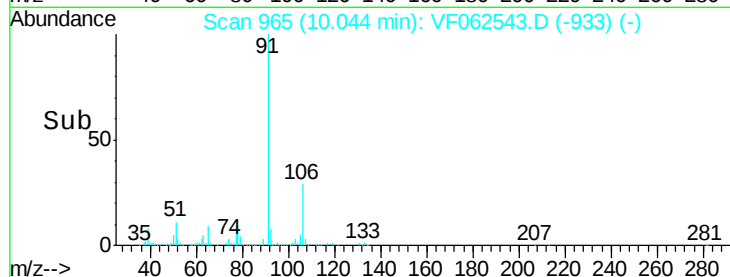
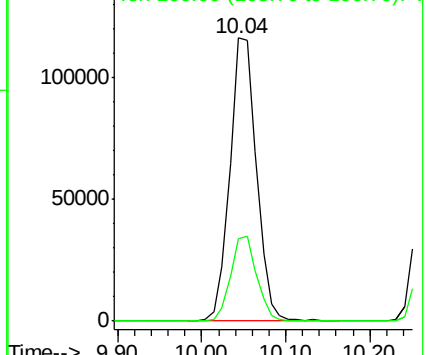
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 46.129 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.03 min

Lab File: VF062543.D

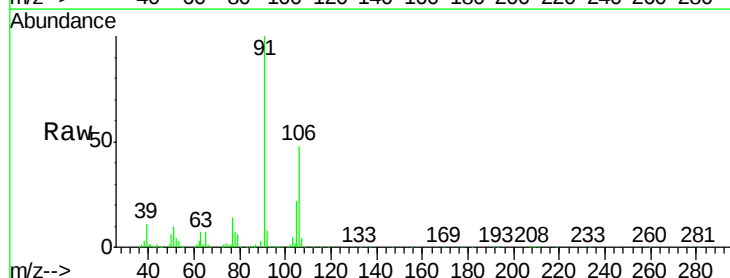
Acq: 13 May 2019 15:55

Tgt Ion: 106 Resp: 184729

Ion Ratio Lower Upper

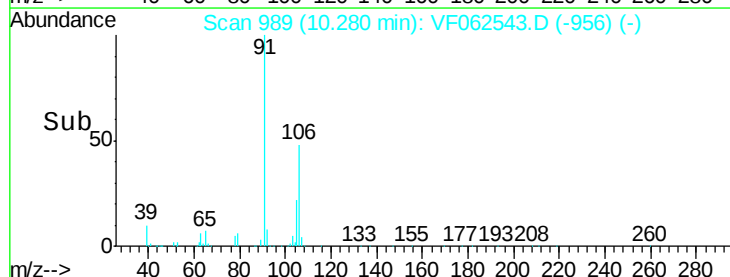
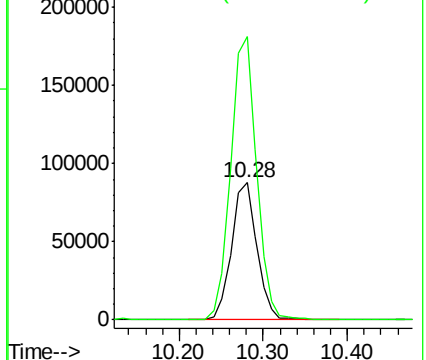
106 100

91 210.4 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





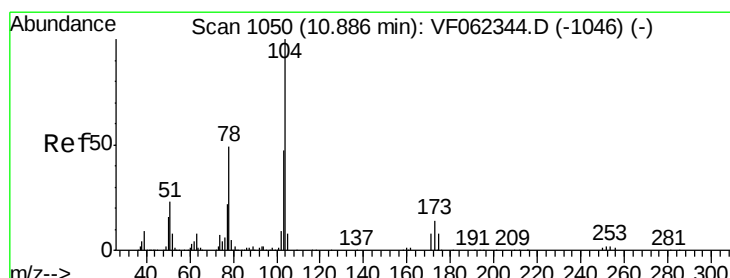
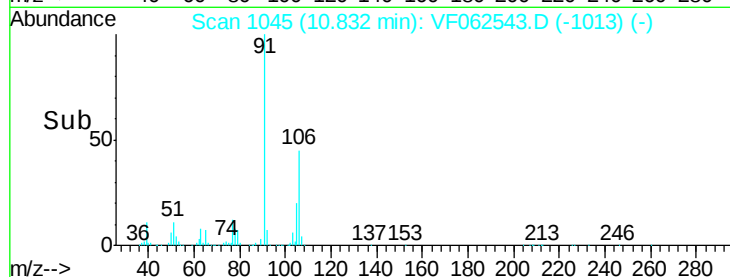
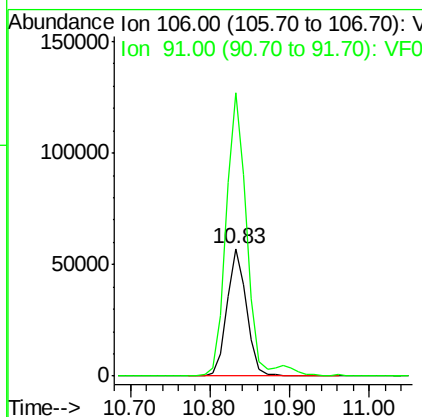
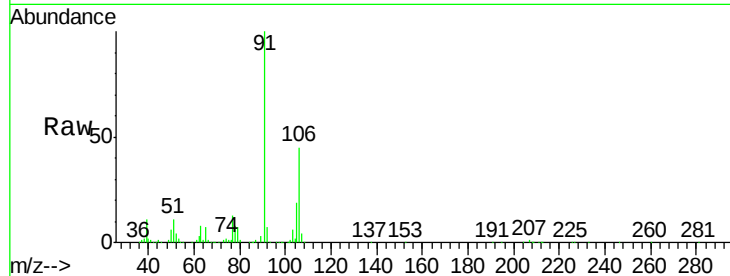
#69
o-Xylene
Concen: 22.961 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion:106 Resp: 99356
Ion Ratio Lower Upper
106 100
91 228.5 111.3 333.8

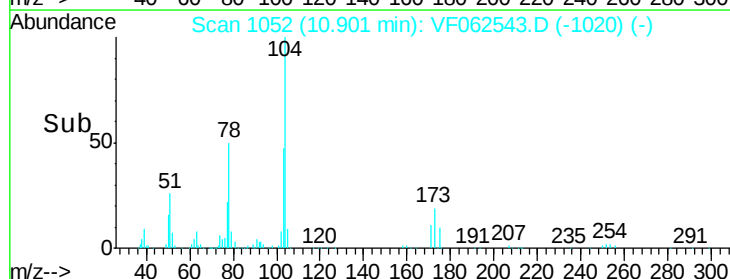
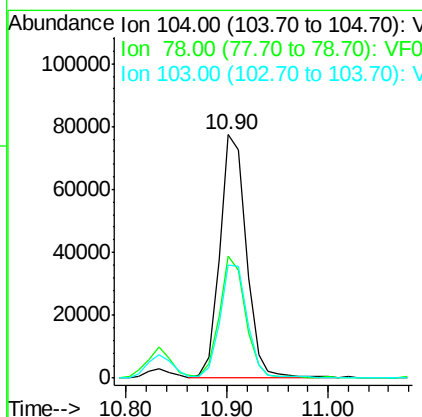
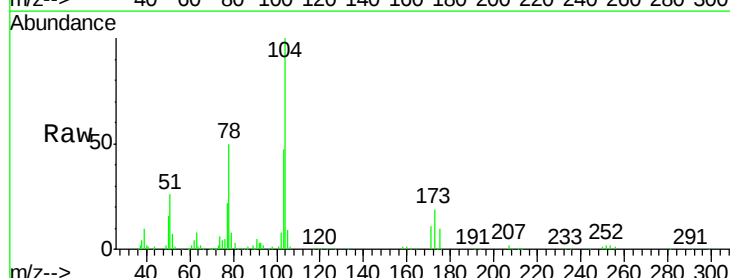
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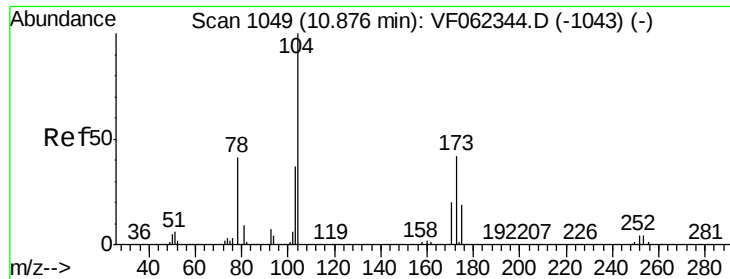
MMDadoda
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#70
Styrene
Concen: 21.853 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion:104 Resp: 141720
Ion Ratio Lower Upper
104 100
78 49.9 39.5 59.3
103 48.5 38.4 57.6





#71

Bromoform

Concen: 20.604 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

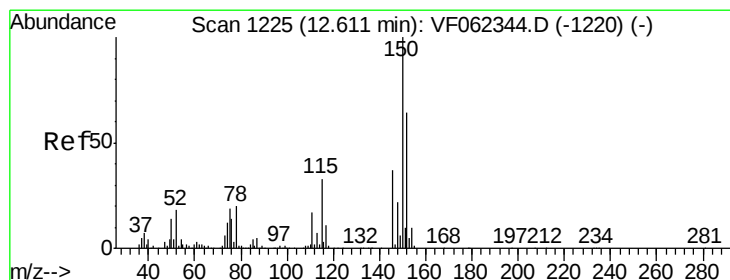
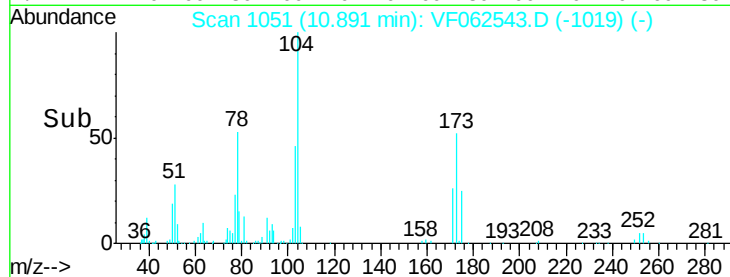
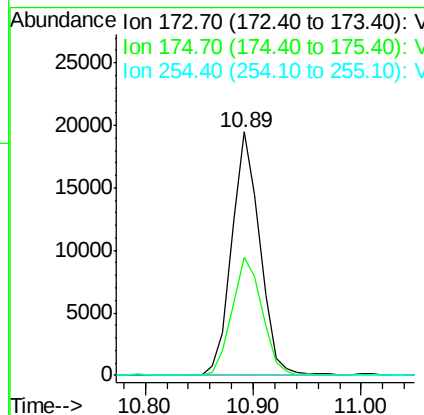
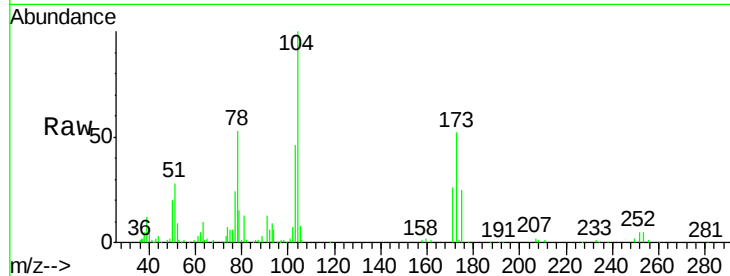
ClientSampled :

VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
173	100			
175	51.8	23.8	71.2	
254	0.0	0.1	0.1#	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

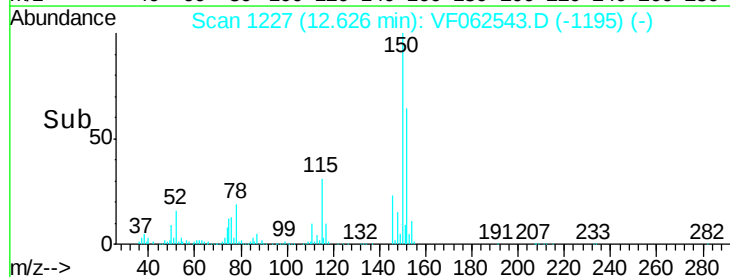
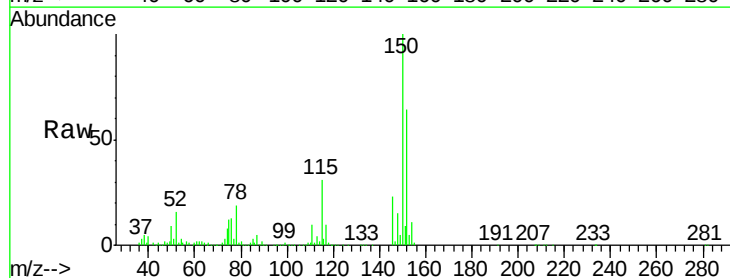
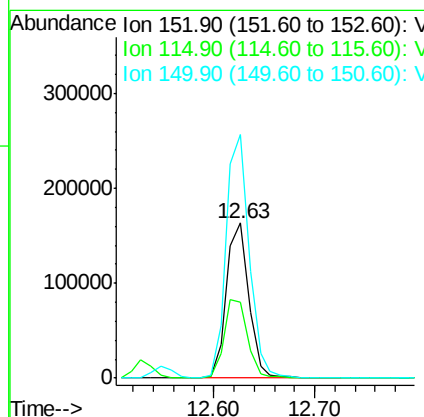
RT: 12.63 min Scan# 1227

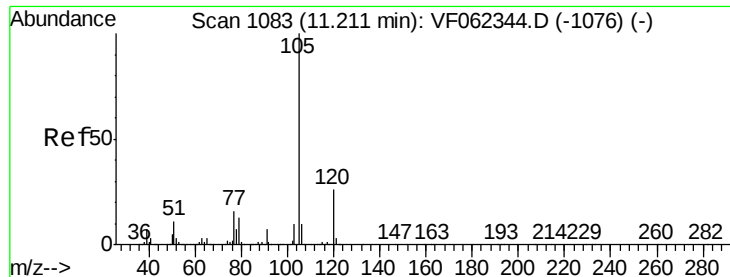
Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
115	53.3	26.4	79.2	
150	161.2	0.0	335.0	





#73

Isopropylbenzene

Concen: 21.101 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion: 105 Resp: 318066

Ion Ratio Lower Upper

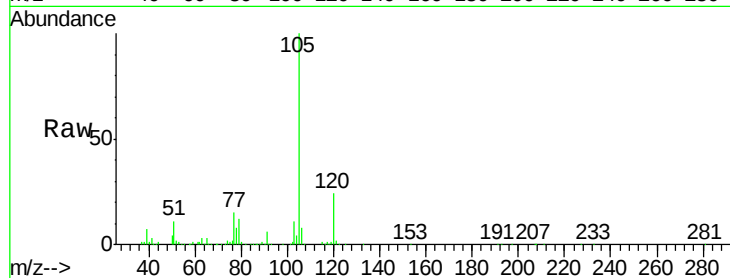
105 100

120 25.5 12.7 38.0

Manual Integrations
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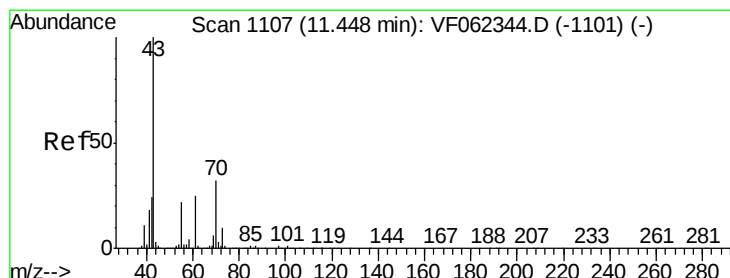
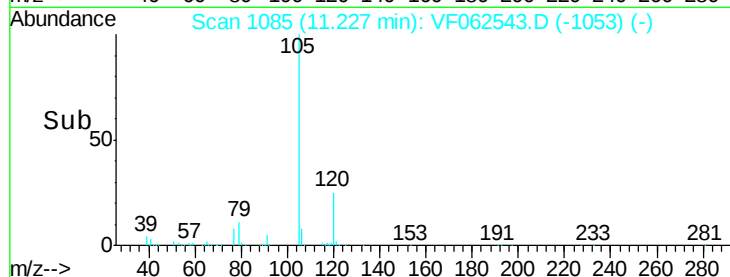
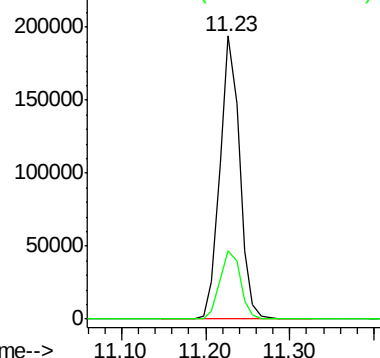
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.443 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion: 43 Resp: 49975

Ion Ratio Lower Upper

43 100

70 33.0 26.5 39.7

55 27.6 17.8 26.6#

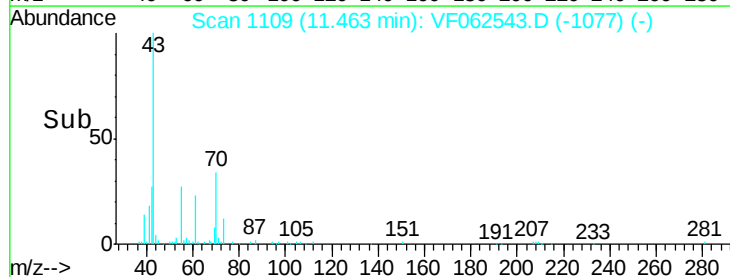
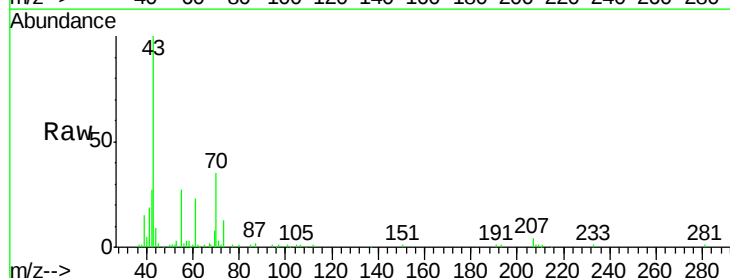
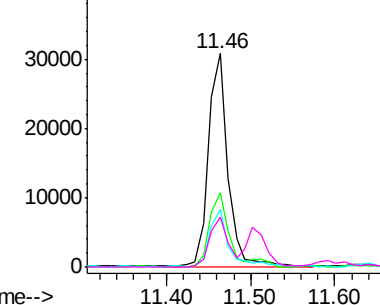
61 21.7 20.2 30.2

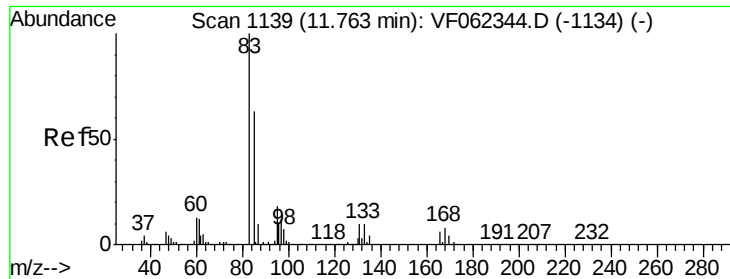
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.946 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

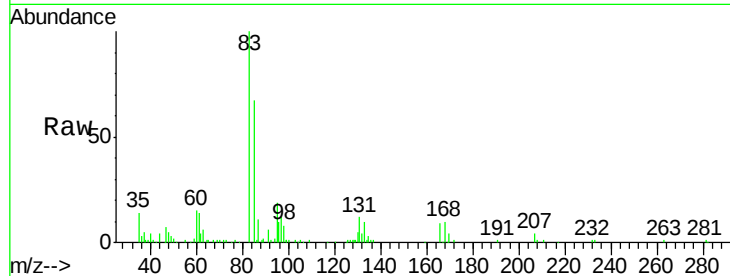
ClientSampleId :

VF0513SBS01

Tot Ion:	83	Resp:	47074
Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.8	17.4
85	74.3	35.3	105.7

Manual Integrations
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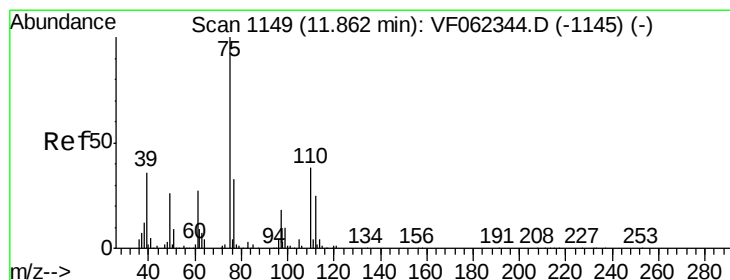
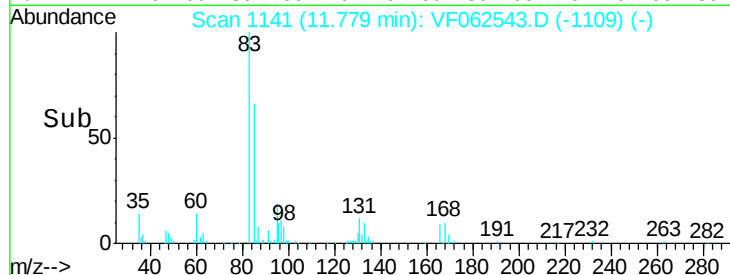
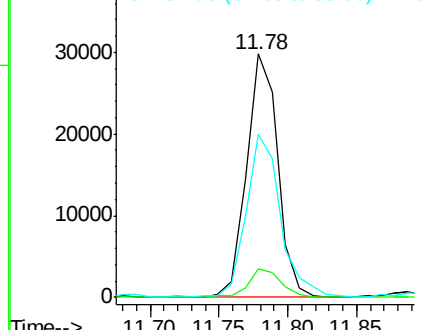
MMDadoda
5/14/2019 11:01:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 19.855 ug/l

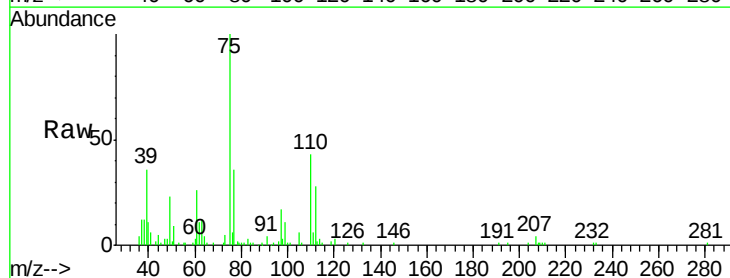
RT: 11.88 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF062543.D

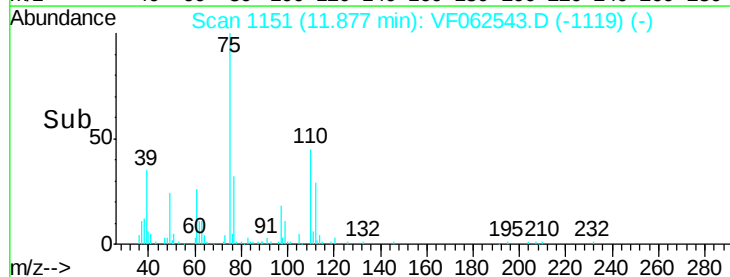
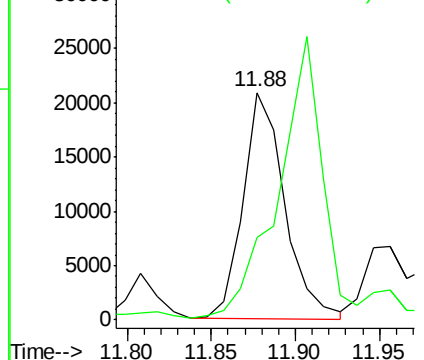
Acq: 13 May 2019 15:55

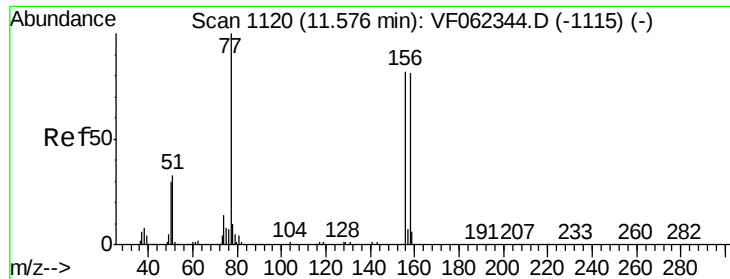
Tgt Ion:	75	Resp:	35751
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.807 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

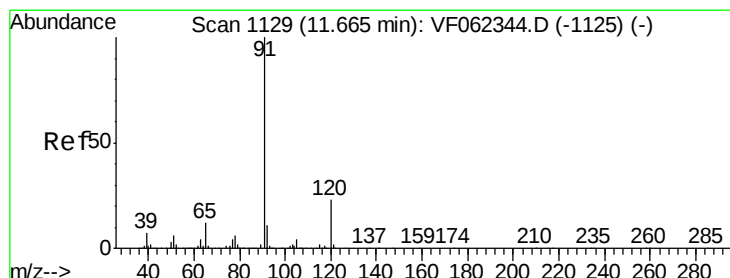
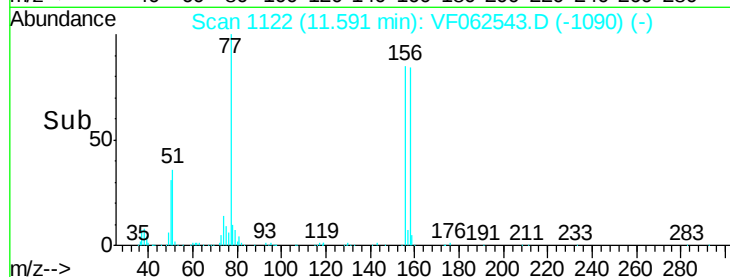
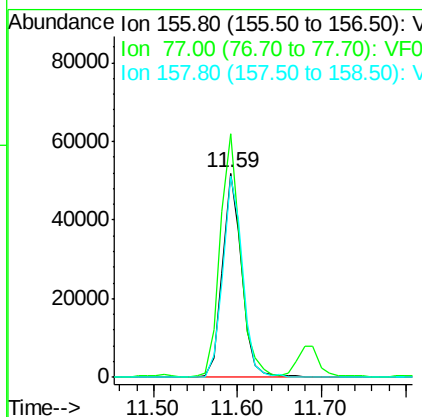
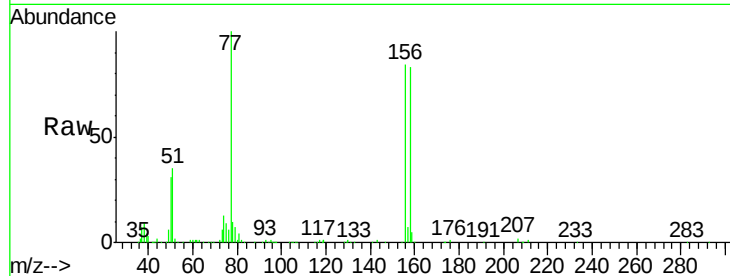
ClientSampleId :

VF0513SBS01

Tot Ion:	156	Resp:	82311
Ion Ratio	Lower	Upper	
156	100		
77	126.5	64.8	194.3
158	101.0	49.1	147.3

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#78

n-propylbenzene

Concen: 21.590 ug/l

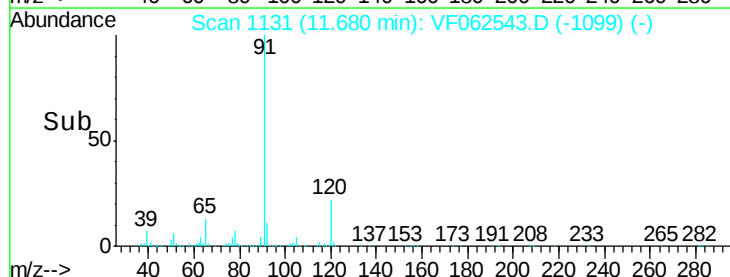
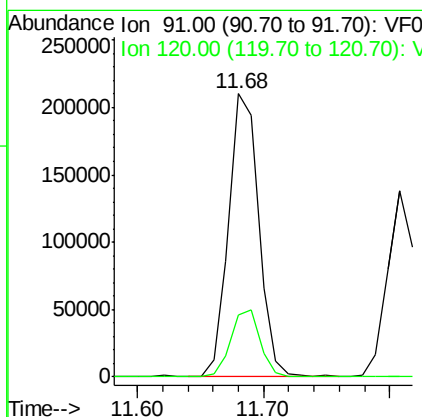
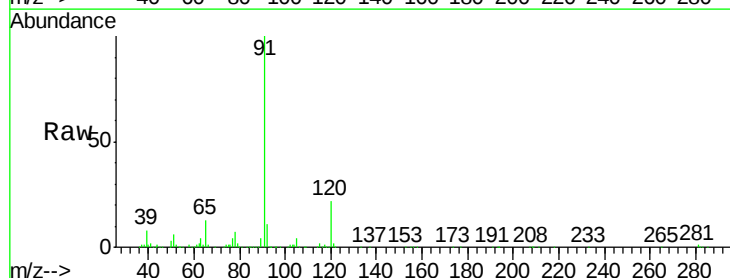
RT: 11.68 min Scan# 1131

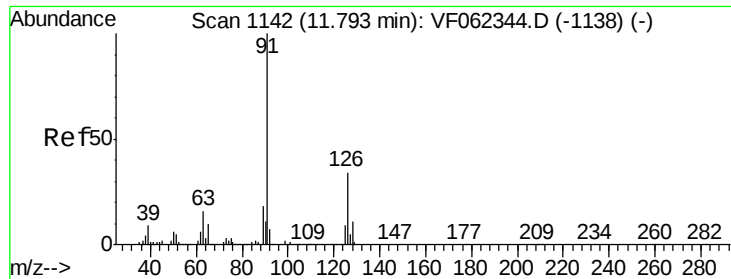
Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion:	91	Resp:	346474
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.5





#79

2-Chlorotoluene

Concen: 21.350 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion: 91 Resp: 213043

Ion Ratio Lower Upper

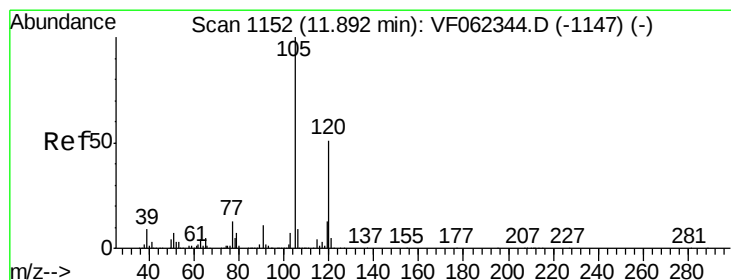
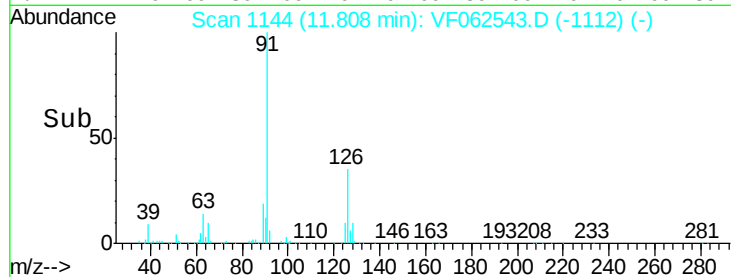
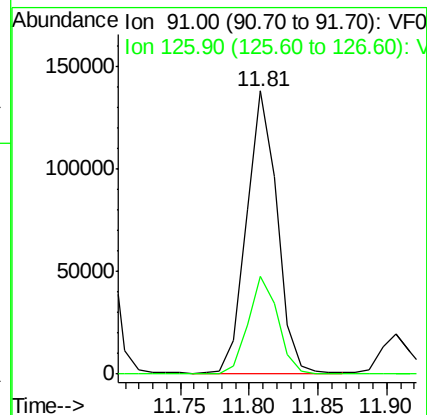
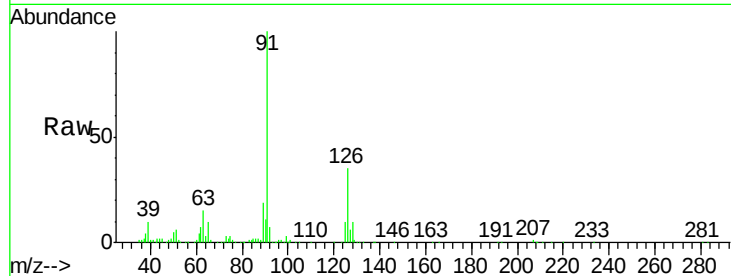
91 100

126 34.2 17.8 53.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.767 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.02 min

Lab File: VF062543.D

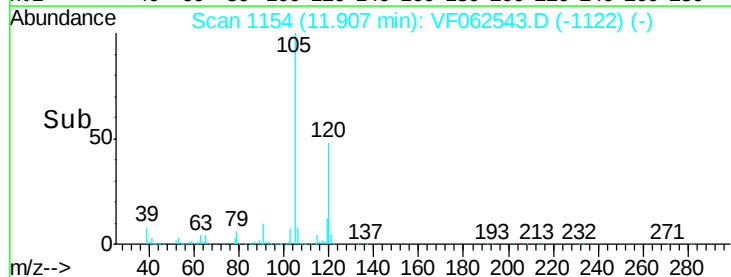
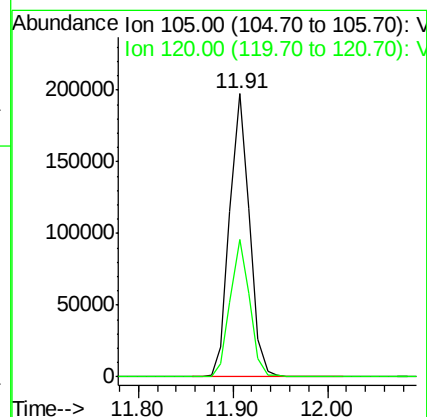
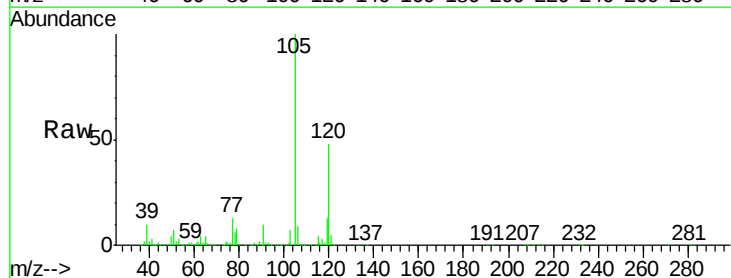
Acq: 13 May 2019 15:55

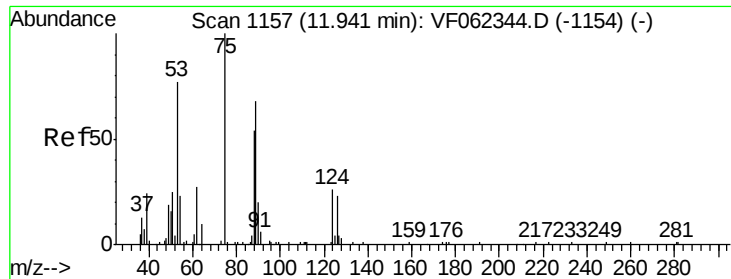
Tgt Ion:105 Resp: 287578

Ion Ratio Lower Upper

105 100

120 47.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.738 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

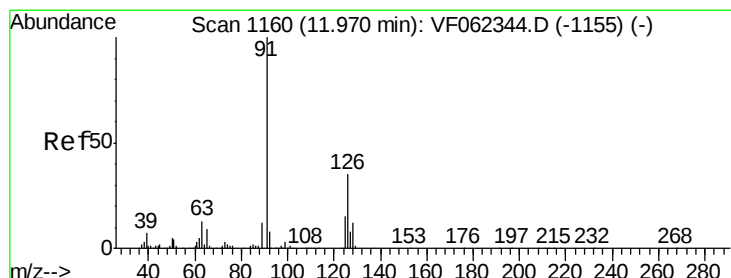
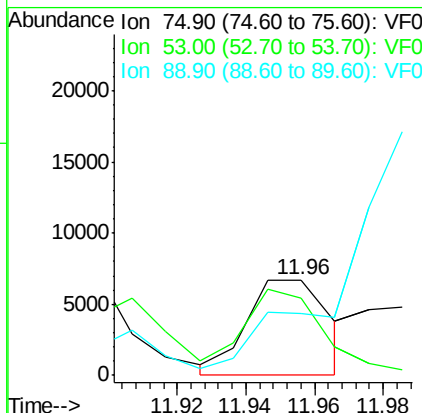
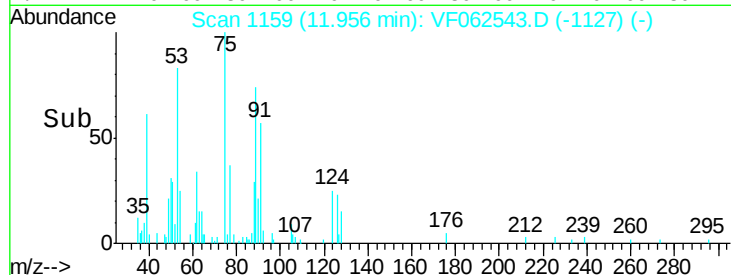
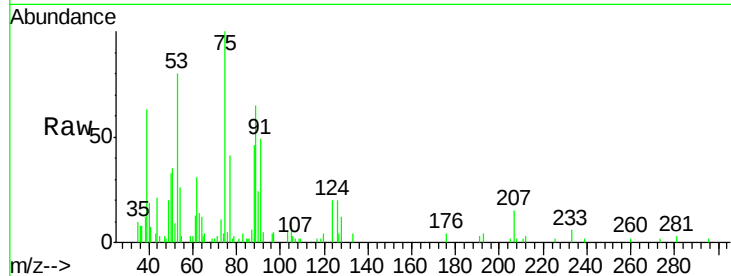
ClientSampleId :

VF0513SBS01

Tot Ion:	75	Resp:	11329
Ion	Ratio	Lower	Upper
75	100		
53	91.2	71.9	107.9
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 22.020 ug/l

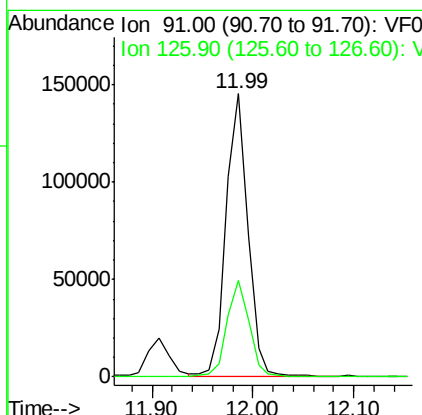
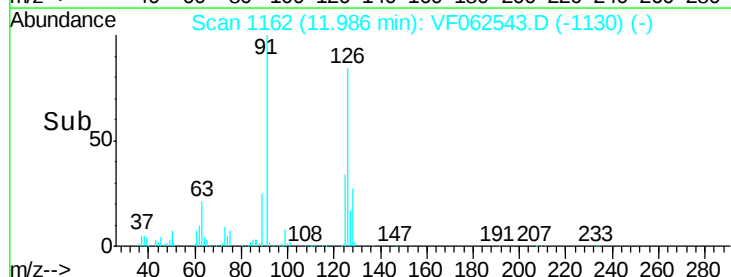
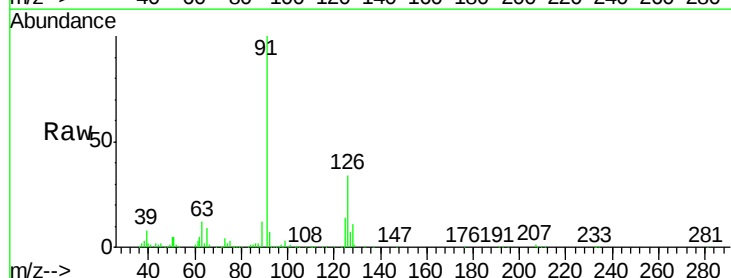
RT: 11.99 min Scan# 1162

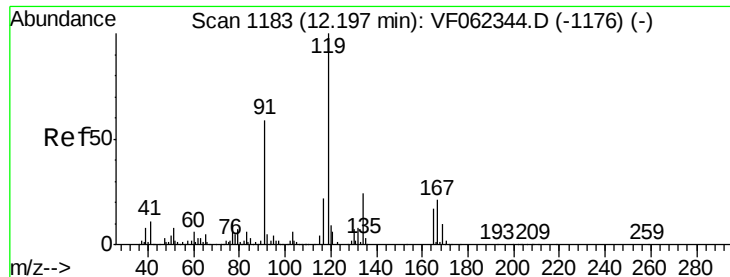
Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Tgt Ion:	91	Resp:	217023
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.7	53.1





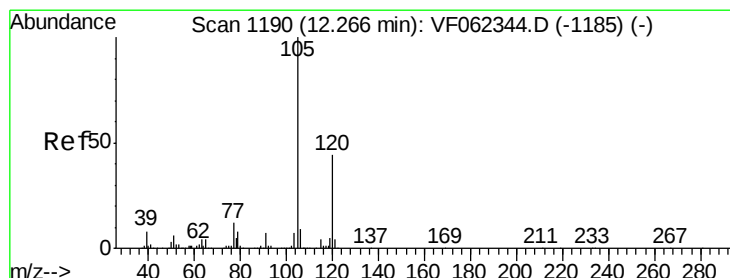
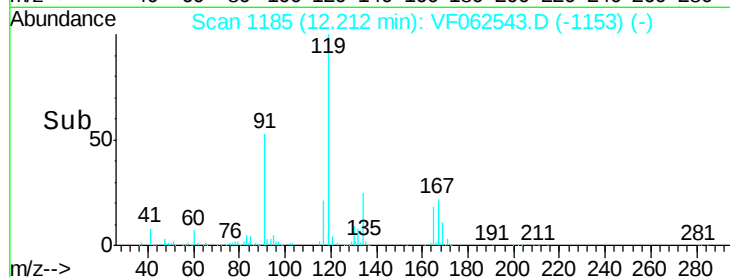
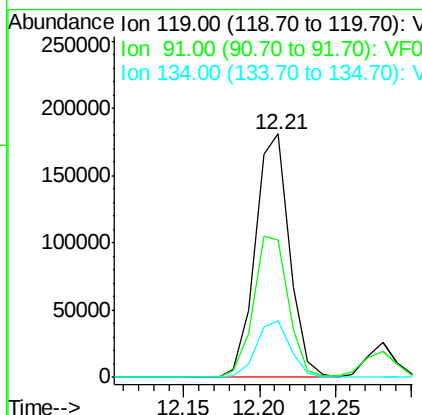
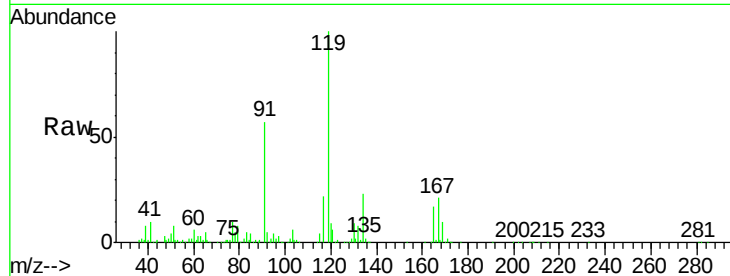
#83
tert-Butylbenzene
Concen: 20.669 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286985		
91	59.3		30.4	91.3
134	23.0		11.9	35.7

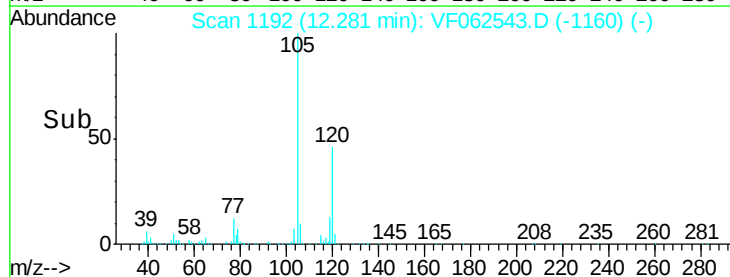
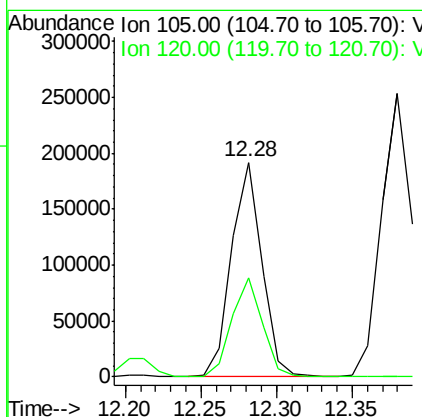
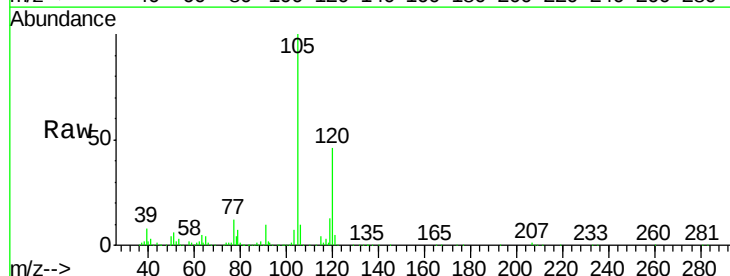
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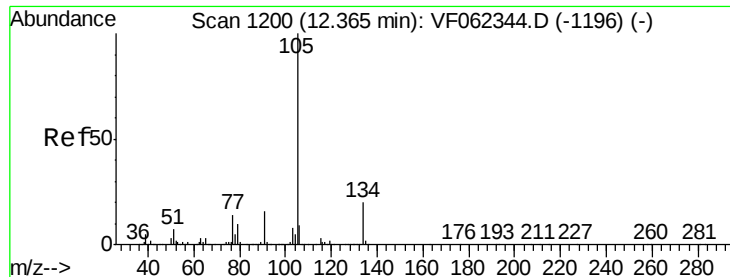
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#84
1,2,4-Trimethylbenzene
Concen: 20.823 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.02 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	269219		
120	46.4		22.6	67.7





#85

sec-Butylbenzene

Concen: 21.476 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS01

Tot Ion:105 Resp: 362950

Ion Ratio Lower Upper

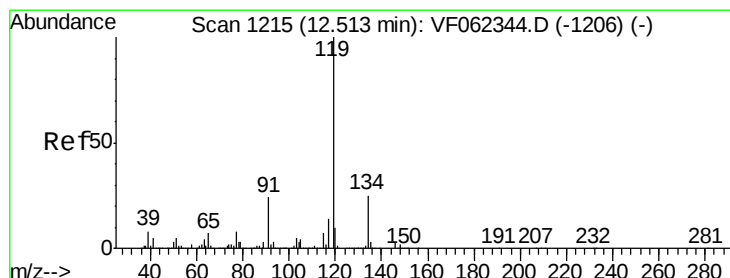
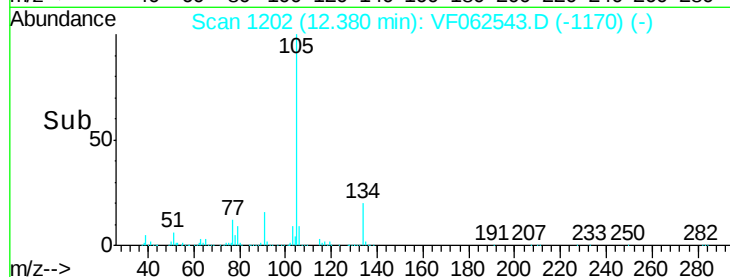
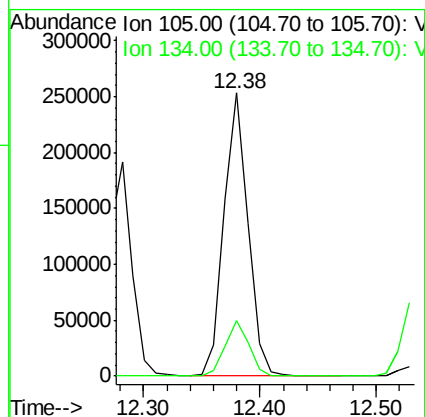
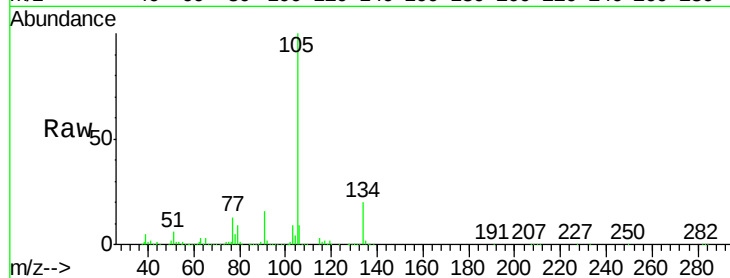
105 100

134 19.5 9.8 29.5

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5/14/2019 11:01:55 AM



#86

p-Isopropyltoluene

Concen: 21.618 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VF062543.D

Acq: 13 May 2019 15:55

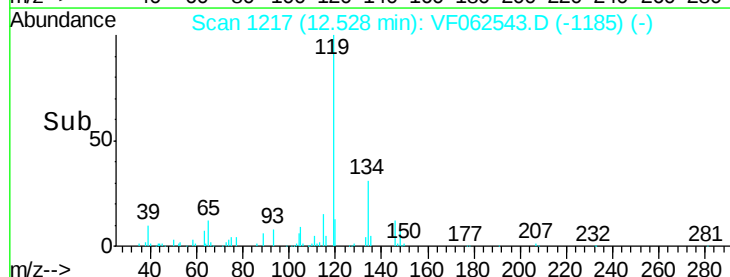
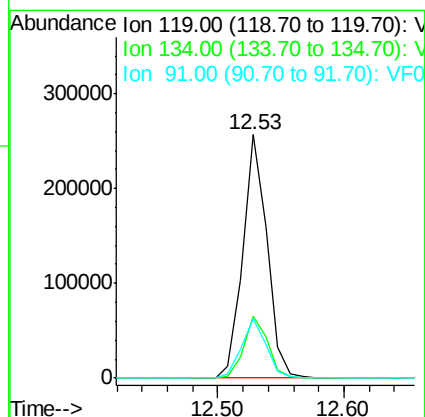
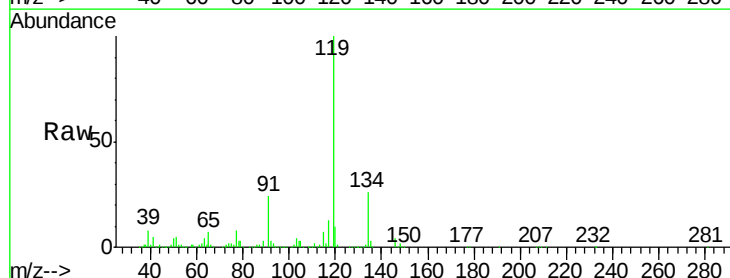
Tgt Ion:119 Resp: 339441

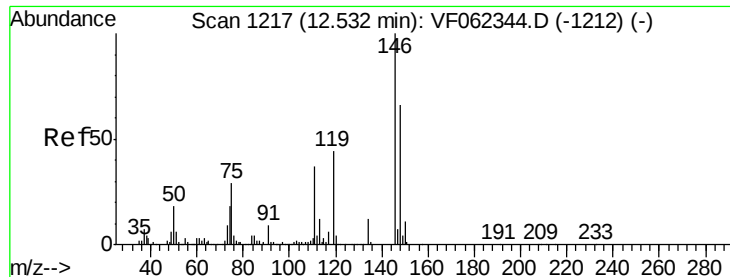
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 24.5 12.3 36.8





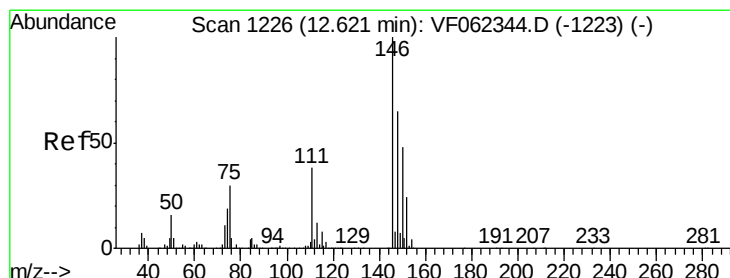
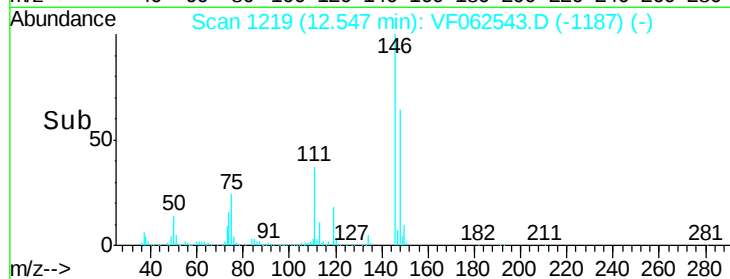
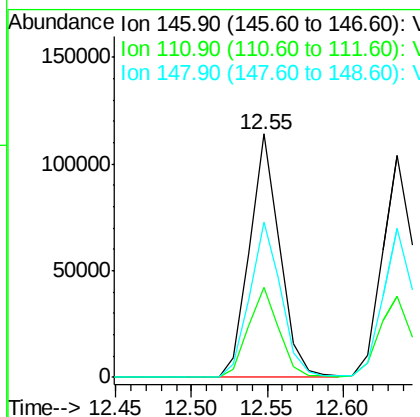
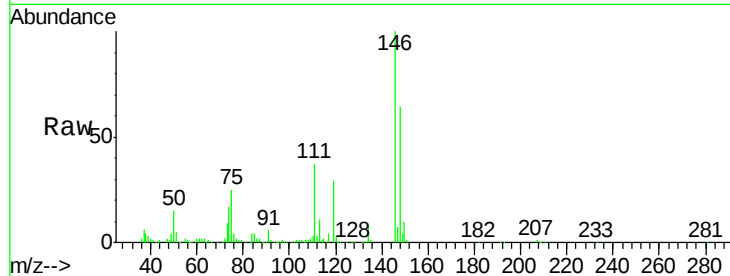
#87
 1,3-Dichlorobenzene
 Concen: 22.076 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159493		
111	37.4	18.3	54.8	
148	66.0	32.3	96.9	

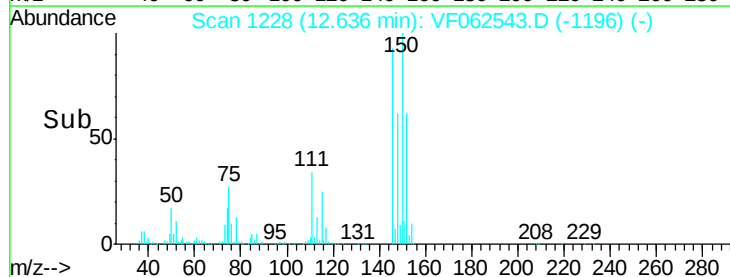
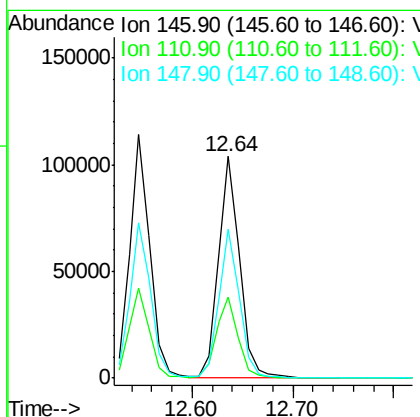
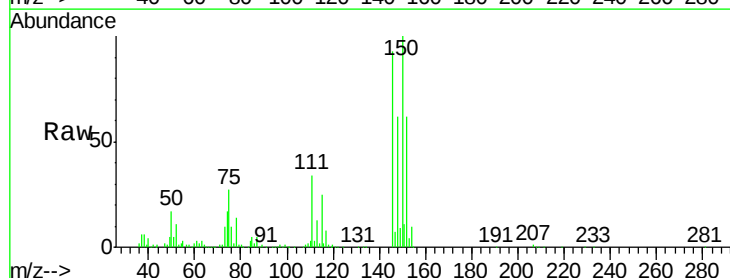
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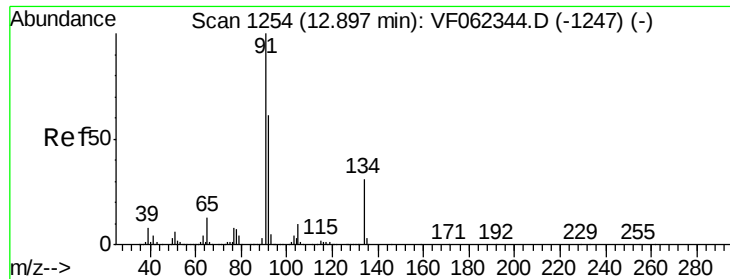
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#88
 1,4-Dichlorobenzene
 Concen: 21.860 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	152431		
111	38.0	18.8	56.3	
148	65.9	32.2	96.6	





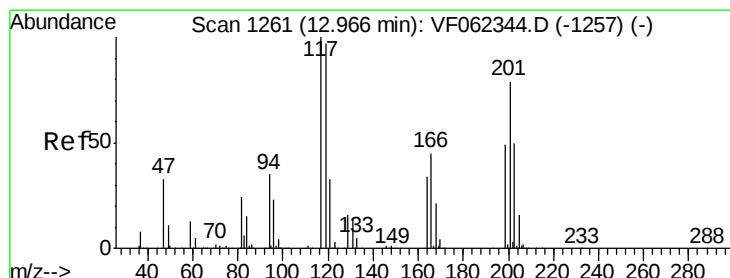
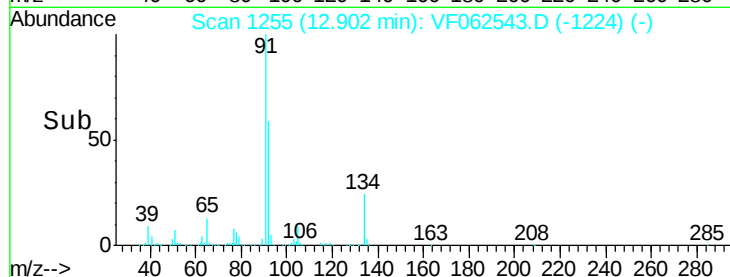
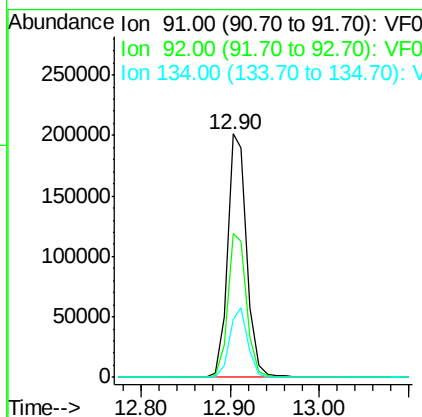
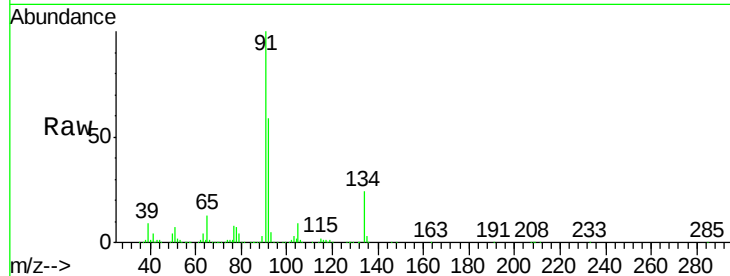
#89
n-Butylbenzene
Concen: 21.885 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.1	30.0	90.0
134	27.5	14.1	42.4

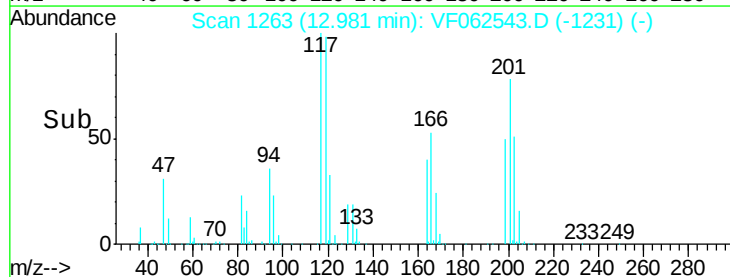
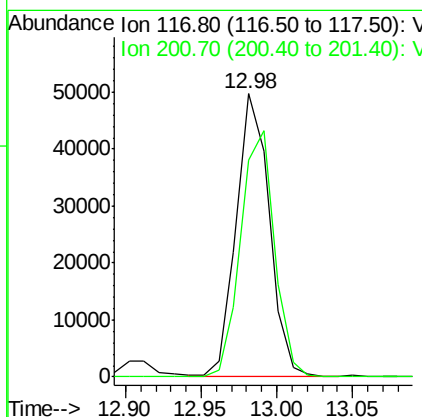
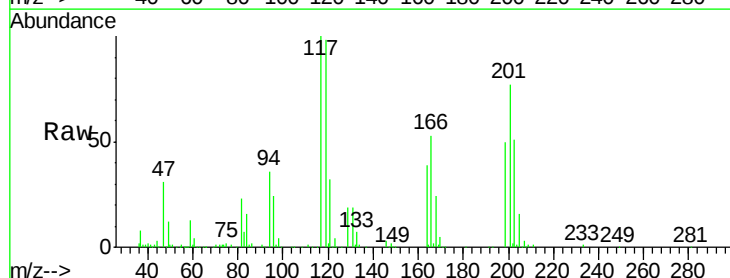
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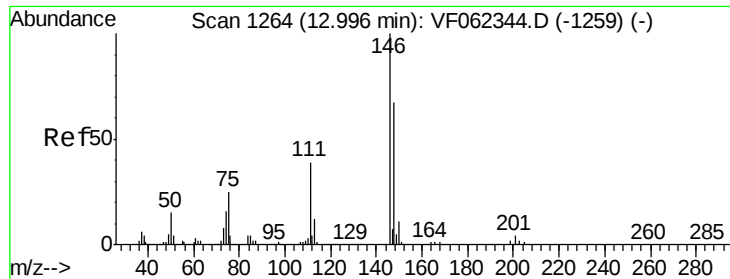
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#90
Hexachloroethane
Concen: 19.356 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	46.2	138.5





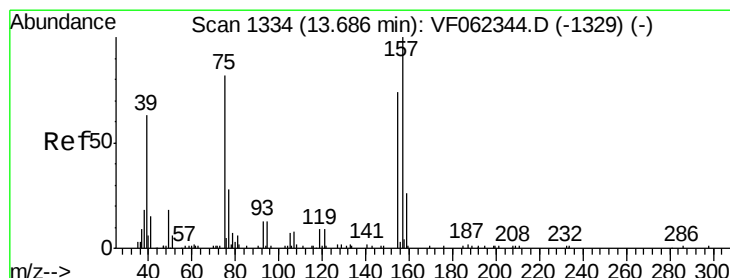
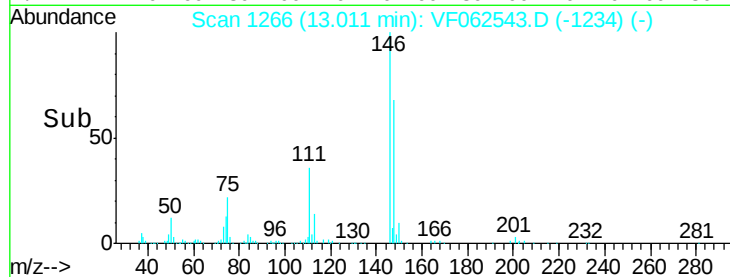
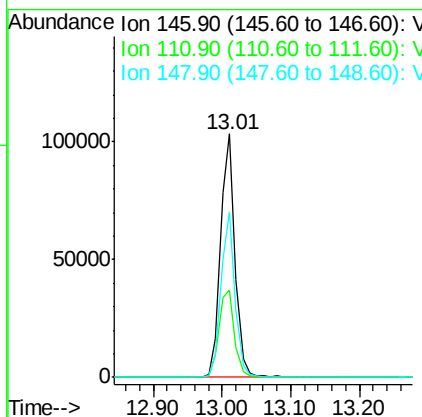
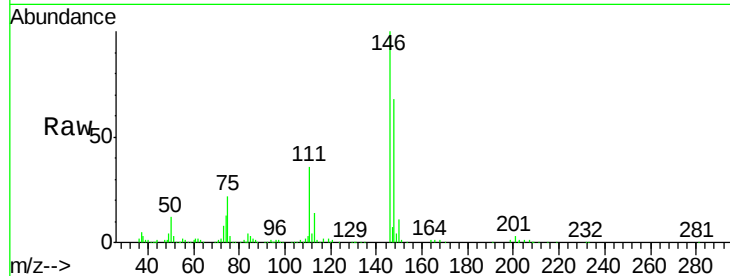
#91
 1,2-Dichlorobenzene
 Concen: 21.513 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.02 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150440		
111	38.5	20.0	60.0	
148	65.8	33.1	99.5	

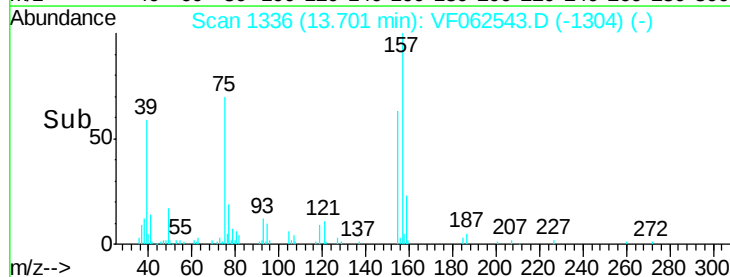
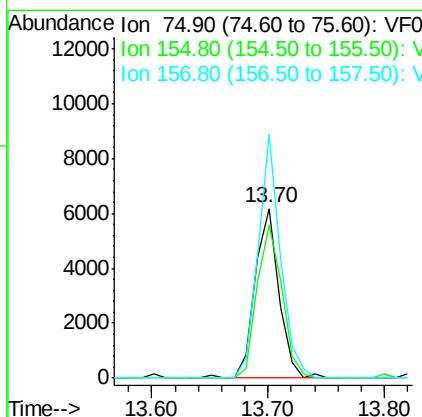
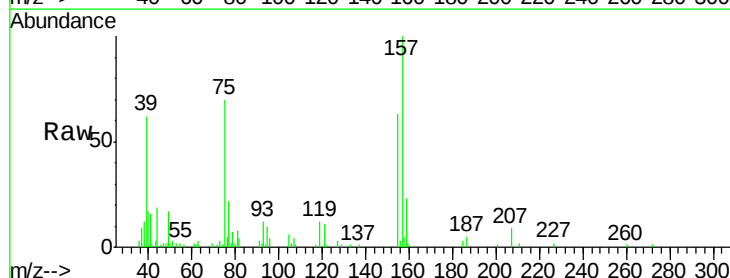
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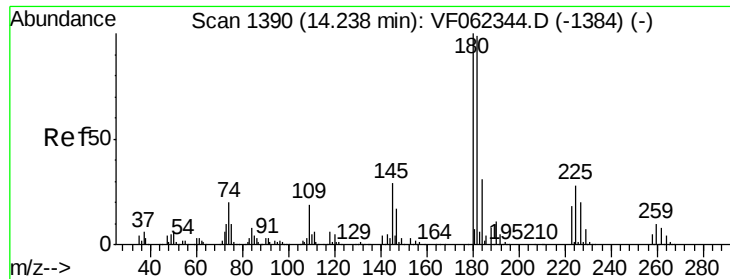
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 5/14/2019 11:01:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.653 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.02 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8805		
155	94.0	51.8	155.4	
157	133.9	67.3	201.8	





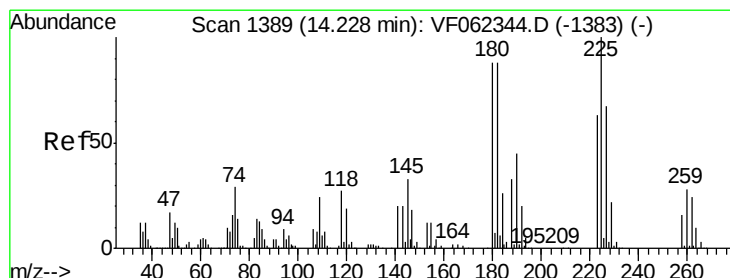
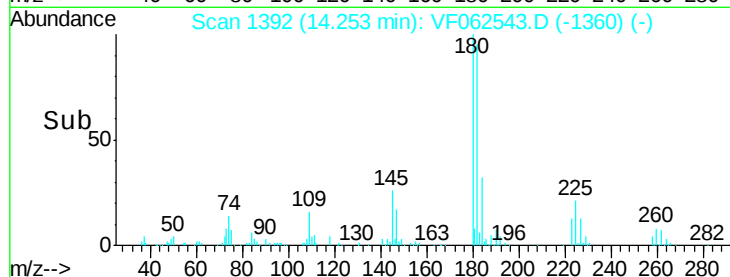
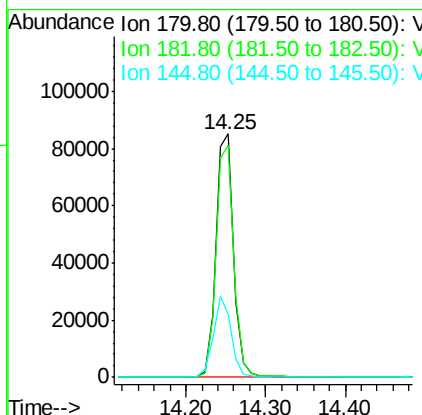
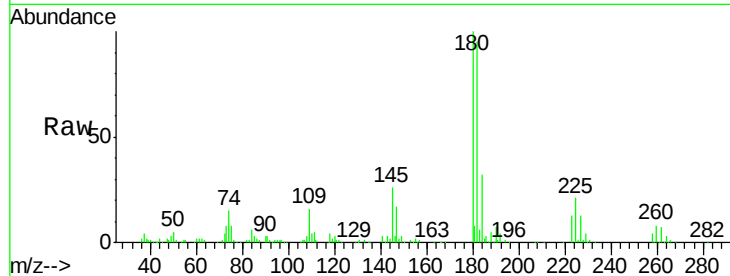
#93
 1,2,4-Trichlorobenzene
 Concen: 21.257 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.02 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	49.0	147.0	
145	33.7	16.7	50.1	

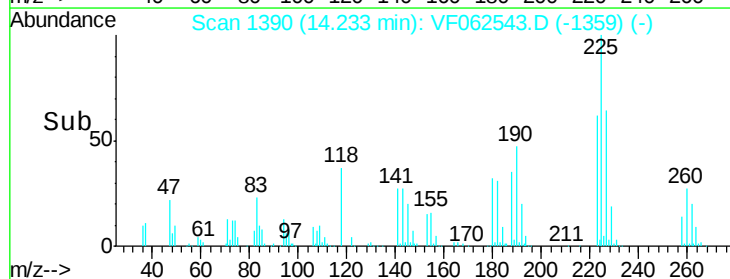
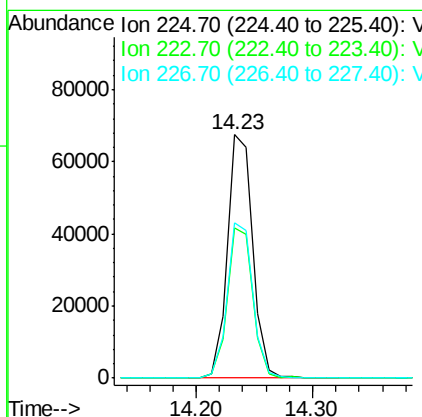
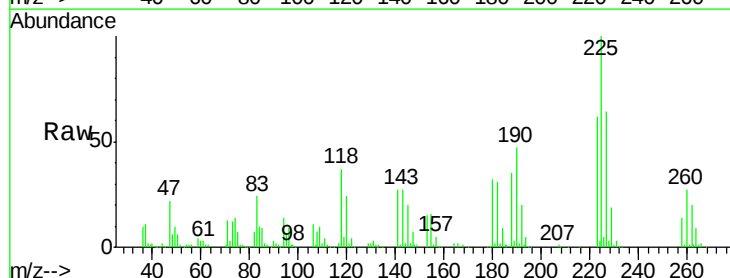
Manual Integrations
 APPROVED

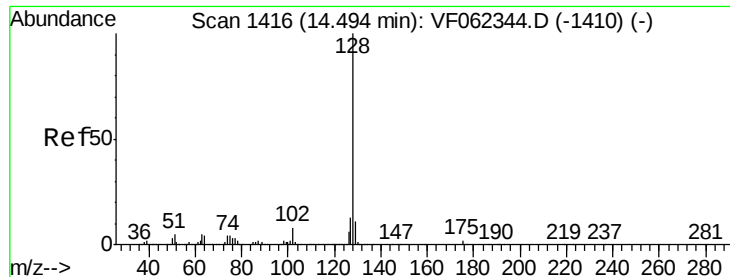
MMDadoda
 5/14/2019 11:01:55 AM



#94
 Hexachlorobutadiene
 Concen: 21.711 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062543.D
 Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.9	95.5	
227	64.6	33.1	99.5	





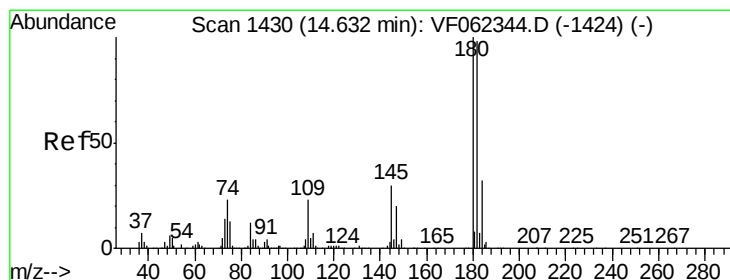
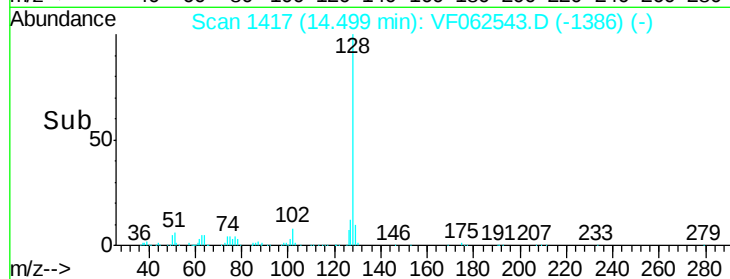
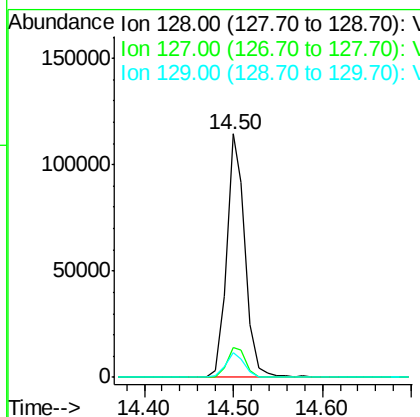
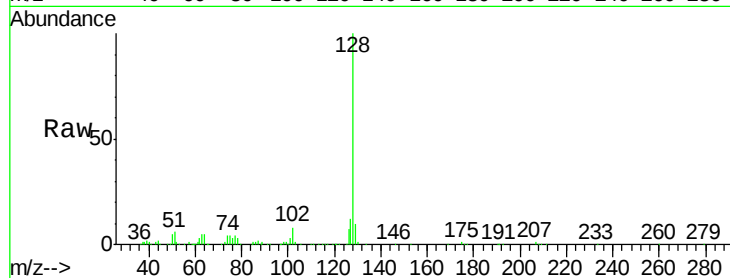
#95
Naphthalene
Concen: 17.775 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	167622		
127	12.7	10.5	15.7	
129	10.6	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
5/14/2019 11:01:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.027 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062543.D
Acq: 13 May 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	121699		
182	93.7	49.4	148.0	
145	29.4	14.8	44.3	

