

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062563.D
 Acq On : 14 May 2019 2:39
 Operator : FY/SY
 Sample : VF0513SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:05:11 AM

Quant Time: May 14 08:24:51 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	315116	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	437078	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	368049	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	240593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	143794	48.29	ug/l	0.04
Spiked Amount 50.000			Recovery	=	96.58%	
35) Dibromofluoromethane	4.33	113	162342	46.62	ug/l	0.03
Spiked Amount 50.000			Recovery	=	93.24%	
50) Toluene-d8	7.73	98	371000	44.01	ug/l	0.03
Spiked Amount 50.000			Recovery	=	88.02%	
62) 4-Bromofluorobenzene	11.50	95	175110	46.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	86040	23.592	ug/l	100
3) Chloromethane	1.14	50	56978	23.689	ug/l	90
4) Vinyl Chloride	1.19	62	54139	22.566	ug/l	100
5) Bromomethane	1.38	94	47161	24.786	ug/l	97
6) Chloroethane	1.44	64	29366	24.346	ug/l	93
7) Trichlorofluoromethane	1.56	101	125862	25.285	ug/l	96
8) Diethyl Ether	1.72	74	19092	25.348	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.91	101	70049	24.649	ug/l	95
10) Methyl Iodide	1.98	142	123282	26.324	ug/l	97
11) Tert butyl alcohol	2.70	59	15493	92.052	ug/l	95
12) 1,1-Dichloroethene	1.87	96	57268	23.704	ug/l	95
13) Acrolein	2.11	56	10875	91.115	ug/l	97
14) Allyl chloride	2.21	41	83830	39.280	ug/l	97
15) Acrylonitrile	3.11	53	39059	122.512	ug/l	95
16) Acetone	2.36	43	57661	95.715	ug/l	95
17) Carbon Disulfide	1.92	76	122997	23.349	ug/l	100
18) Methyl Acetate	2.48	43	30833	26.599	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	115282	23.116	ug/l #	92
20) Methylene Chloride	2.31	84	53541m	24.565	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	55115	23.944	ug/l	94
22) Diisopropyl ether	2.96	45	159554	23.921	ug/l	96
23) Vinyl Acetate	3.36	43	311128	104.658	ug/l	98
24) 1,1-Dichloroethane	3.03	63	105074	26.065	ug/l	96
25) 2-Butanone	4.55	43	85612	113.118	ug/l	96
26) 2,2-Dichloropropane	3.81	77	63319	28.126	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	70475	24.493	ug/l	96
28) Bromochloromethane	3.92	49	37116	20.301	ug/l	95
29) Tetrahydrofuran	4.29	42	38224	109.889	ug/l	96
30) Chloroform	4.08	83	132670	24.360	ug/l	97
31) Cyclohexane	3.91	56	76071	23.641	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	119040	25.503	ug/l	98
36) 1,1-Dichloropropene	4.50	75	86431	23.020	ug/l	99
37) Ethyl Acetate	4.33	43	32779	19.171	ug/l #	95
38) Carbon Tetrachloride	4.22	117	108234m	26.485	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	87708	23.292	ug/l	95
40) Benzene	4.85	78	196245	23.735	ug/l	93
41) Methacrylonitrile	4.95	41	19560	21.726	ug/l	94
42) 1,2-Dichloroethane	5.16	62	83179	24.054	ug/l	98
43) Isopropyl Acetate	7.14	43	37693	22.071	ug/l #	93
44) Trichloroethene	5.71	130	72863	23.990	ug/l	96
45) 1,2-Dichloropropane	6.43	63	45124	24.095	ug/l	98
46) Dibromomethane	6.28	93	37731	24.300	ug/l	97
47) Bromodichloromethane	6.58	83	89488	23.052	ug/l	97
48) Methyl methacrylate	6.90	41	25163	20.849	ug/l	87
49) 1,4-Dioxane	6.89	88	4970	392.461	ug/l #	73
51) 4-Methyl-2-Pentanone	8.42	43	150414	116.232	ug/l	97
52) Toluene	7.80	92	119936	23.514	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	68094	23.192	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	78328	22.922	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	41282	25.496	ug/l	93
56) Ethyl methacrylate	8.77	69	36538	21.377	ug/l	95
57) 1,3-Dichloropropane	9.02	76	58092	23.752	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.47	63	53200	103.529	ug/l	96
59) 2-Hexanone	9.64	43	99906	111.628	ug/l	97
60) Dibromochloromethane	8.88	129	62309	23.529	ug/l	98
61) 1,2-Dibromoethane	9.15	107	45868	24.102	ug/l	98
64) Tetrachloroethene	8.32	164	73258	24.518	ug/l	99
65) Chlorobenzene	9.96	112	149165	24.495	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	74429	24.228	ug/l	96
67) Ethyl Benzene	10.05	91	260377	24.418	ug/l	99
68) m/p-Xylenes	10.28	106	194059	49.324	ug/l	99
69) o-Xylene	10.83	106	103287	24.295	ug/l	99
70) Styrene	10.90	104	156706	24.594	ug/l	98
71) Bromoform	10.89	173	40260	23.921	ug/l #	100
73) Isopropylbenzene	11.23	105	330814	23.193	ug/l	100
74) N-amyl acetate	11.47	43	60750	19.839	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	54062	24.207	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	39031	22.908	ug/l #	100
77) Bromobenzene	11.59	156	88664	23.686	ug/l	98
78) n-propylbenzene	11.68	91	360534	23.742	ug/l	97
79) 2-Chlorotoluene	11.81	91	219826	23.280	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	290502	23.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	13680m	21.360	ug/l	
82) 4-Chlorotoluene	11.99	91	218390	23.417	ug/l	100
83) tert-Butylbenzene	12.20	119	286841	21.832	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	283742	23.192	ug/l	97
85) sec-Butylbenzene	12.38	105	370274	23.153	ug/l	99
86) p-Isopropyltoluene	12.53	119	337156	22.692	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	160739	23.511	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	155176	23.517	ug/l	99
89) n-Butylbenzene	12.90	91	304078	23.003	ug/l	99
90) Hexachloroethane	12.98	117	82758	22.308	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	162011	24.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	11413	22.811	ug/l	84

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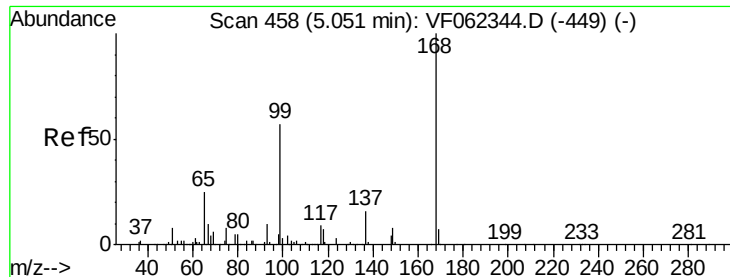
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	136479	22.994	µg/l	99
94) Hexachlorobutadiene	14.24	225	102887	23.257	µg/l	96
95) Naphthalene	14.50	128	187229	20.982	µg/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	129742	22.563	µg/l	98

(#) = 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: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion:168 Resp: 315116

Ion Ratio Lower Upper

168 100

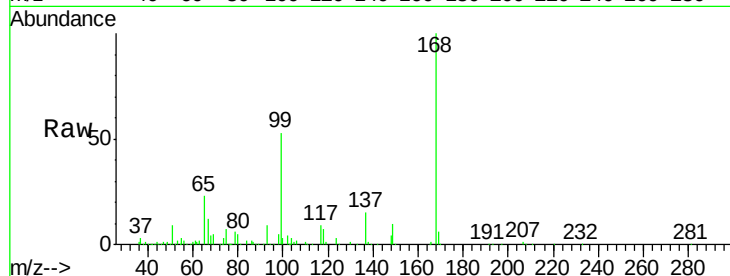
99 53.1 45.9 68.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.08

120000

100000

80000

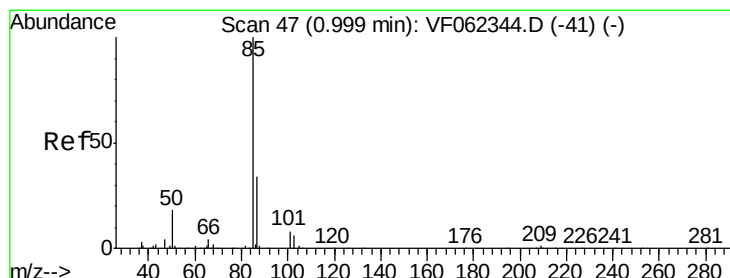
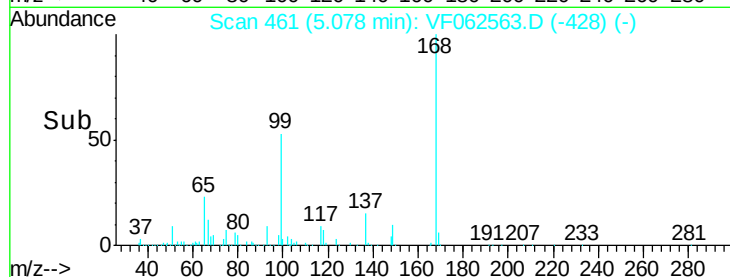
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 23.592 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062563.D

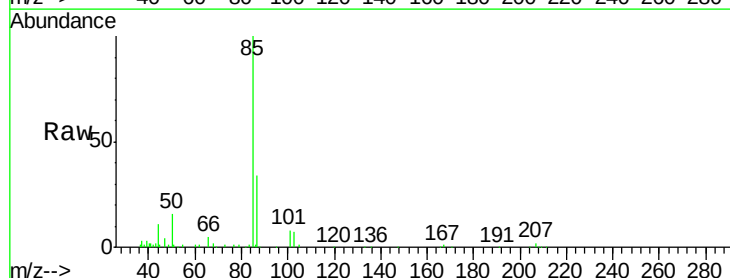
Acq: 14 May 2019 2:39

Tgt Ion: 85 Resp: 86040

Ion Ratio Lower Upper

85 100

87 33.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

30000

25000

20000

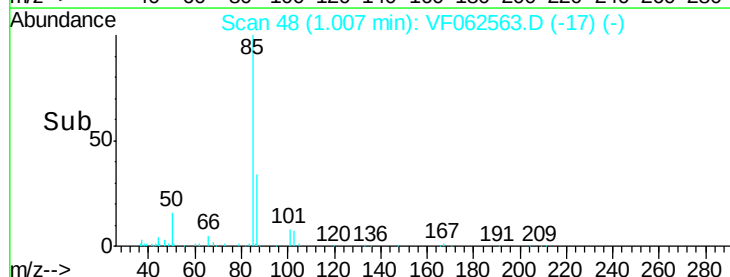
15000

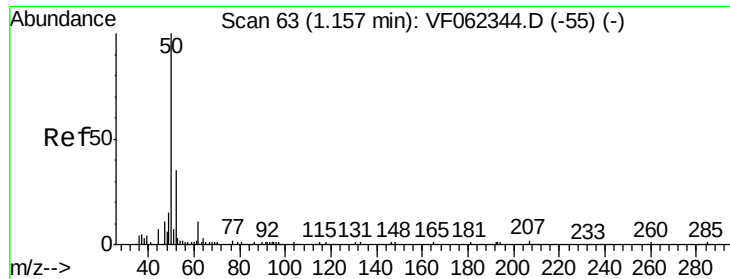
10000

5000

0

Time--> 1.00 1.20





#3

Chloromethane

Concen: 23.689 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion: 50 Resp: 56978

Ion Ratio Lower Upper

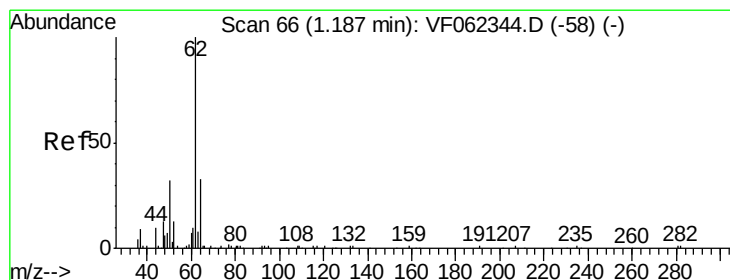
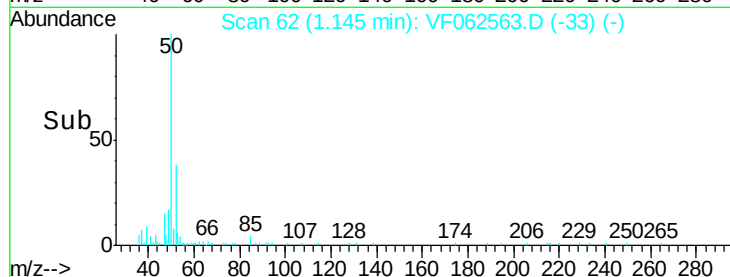
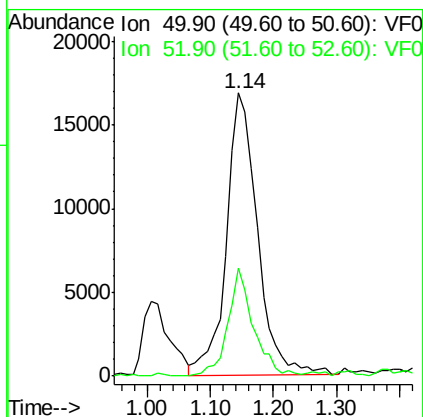
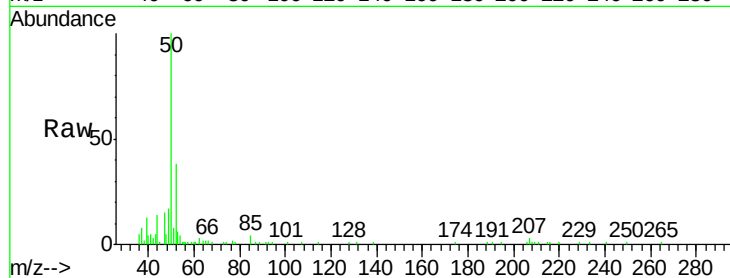
50 100

52 38.4 26.1 39.1

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#4

Vinyl Chloride

Concen: 22.566 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062563.D

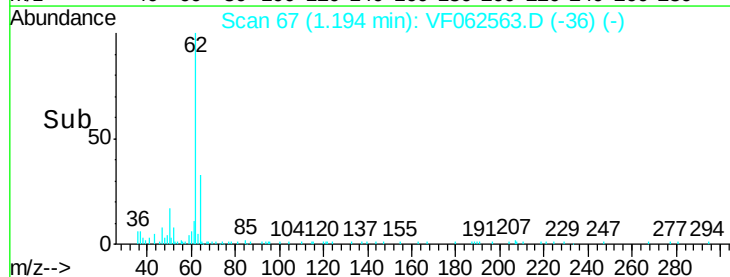
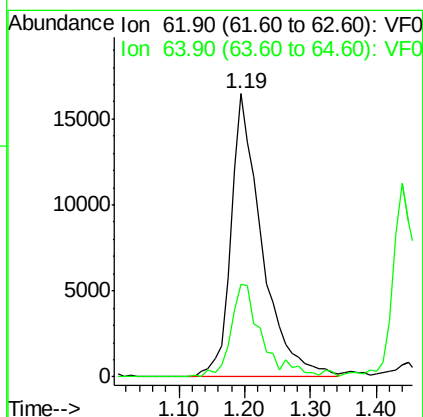
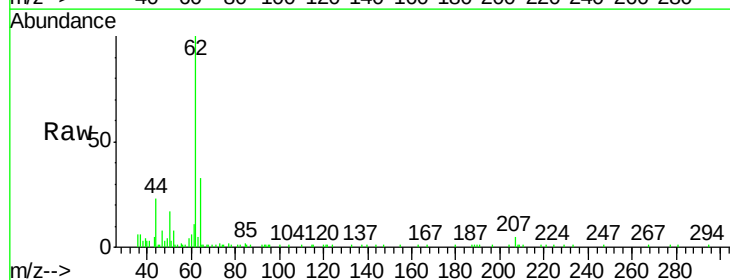
Acq: 14 May 2019 2:39

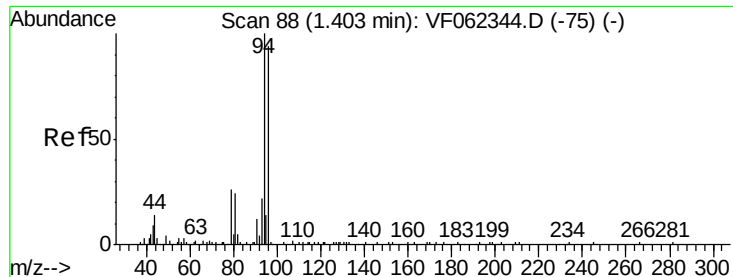
Tgt Ion: 62 Resp: 54139

Ion Ratio Lower Upper

62 100

64 32.6 26.1 39.1





#5

Bromomethane

Concen: 24.786 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion: 94 Resp: 47161

Ion Ratio Lower Upper

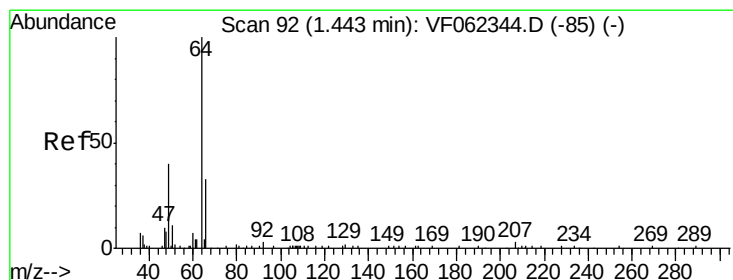
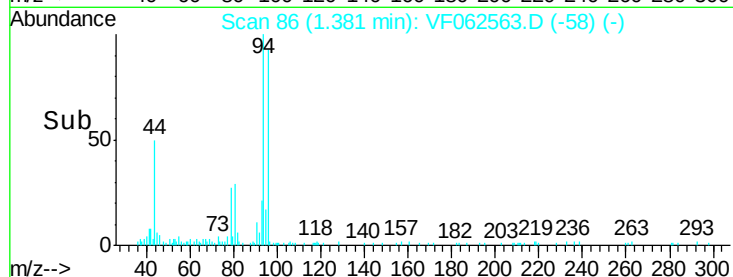
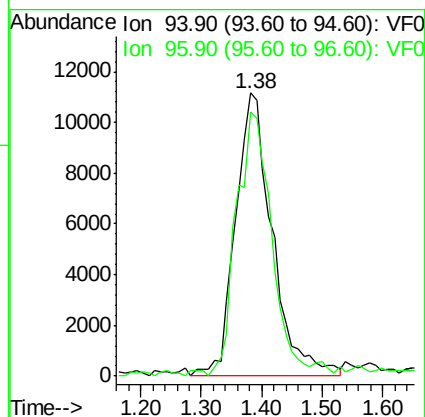
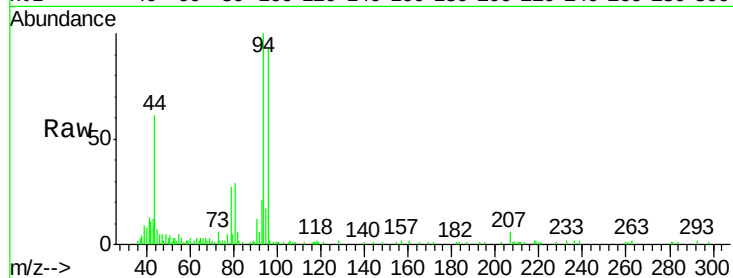
94 100

96 91.4 75.4 113.2

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#6

Chloroethane

Concen: 24.346 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062563.D

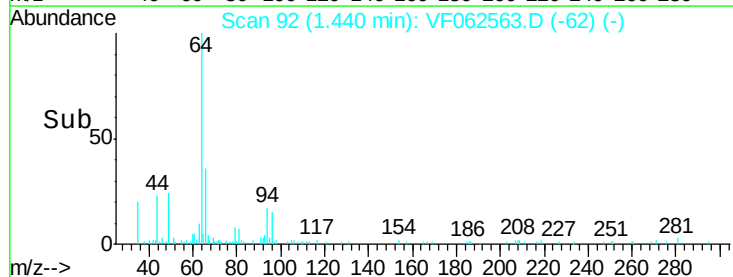
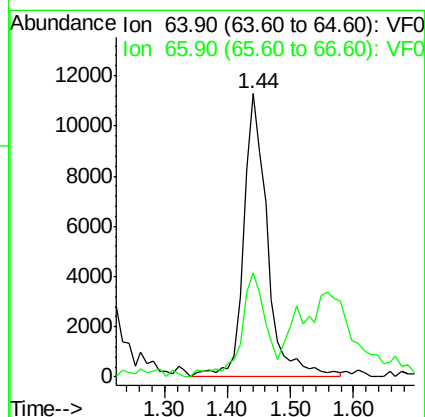
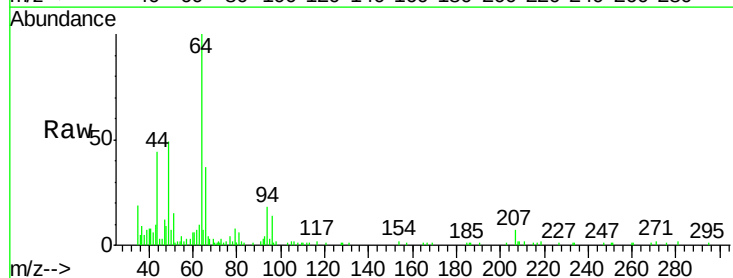
Acq: 14 May 2019 2:39

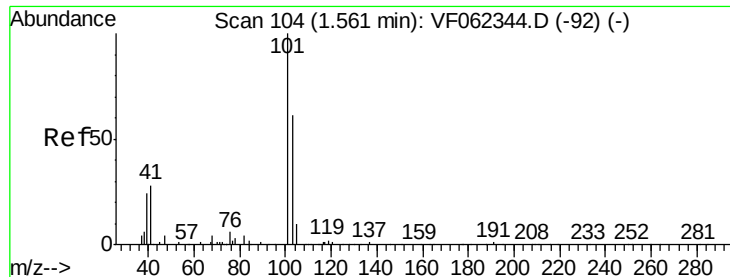
Tgt Ion: 64 Resp: 29366

Ion Ratio Lower Upper

64 100

66 37.0 26.6 39.8





#7

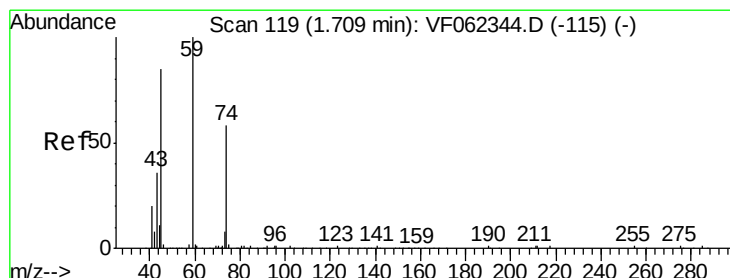
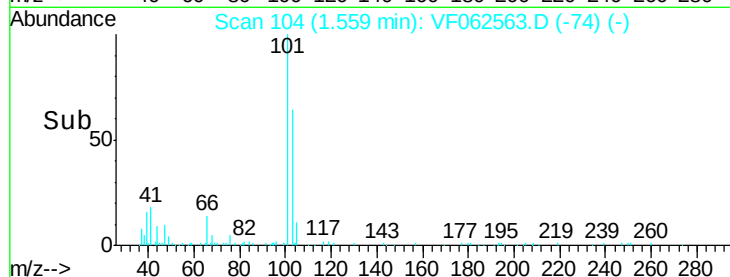
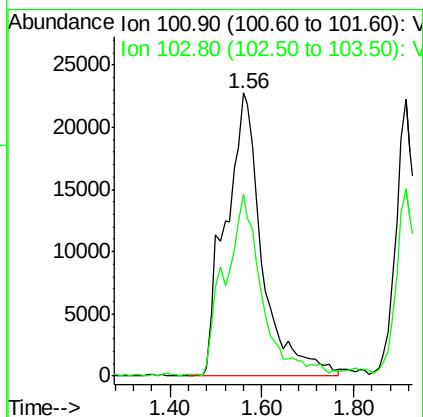
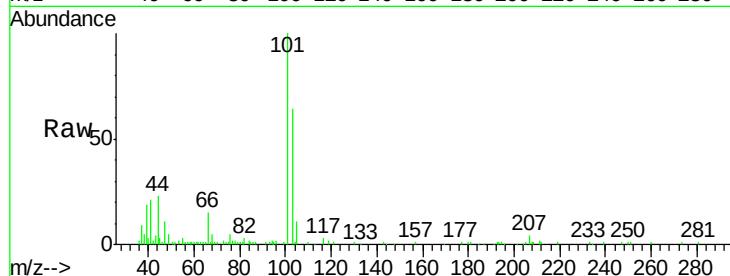
Trichlorofluoromethane
Concen: 25.285 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062563.D
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ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	48.5	72.7

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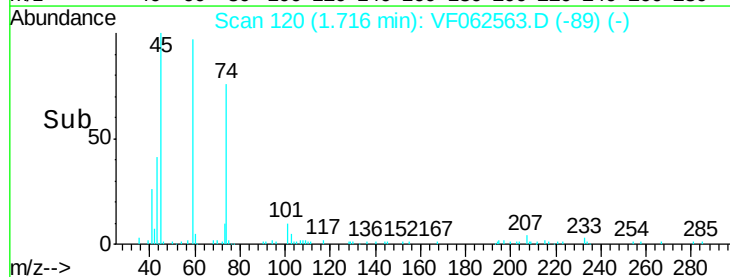
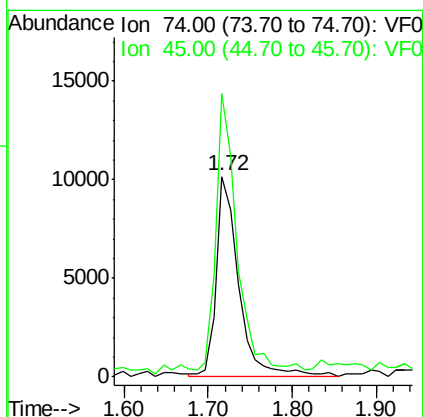
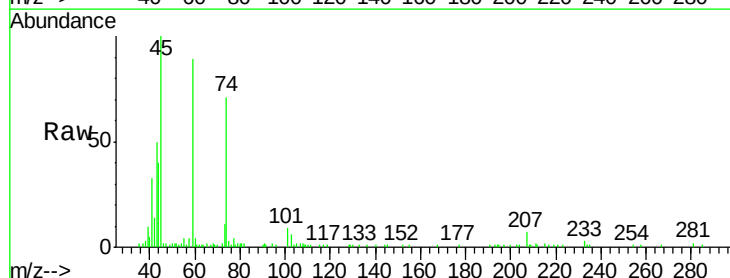
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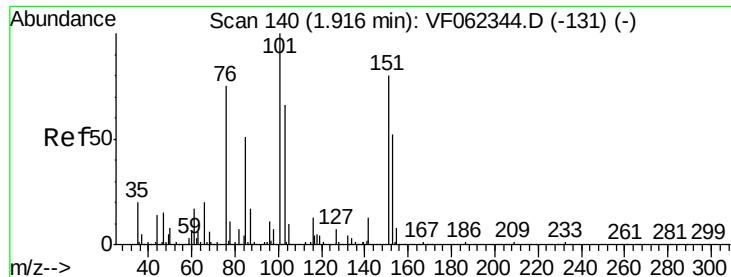


#8

Diethyl Ether
Concen: 25.348 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.8	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.649 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

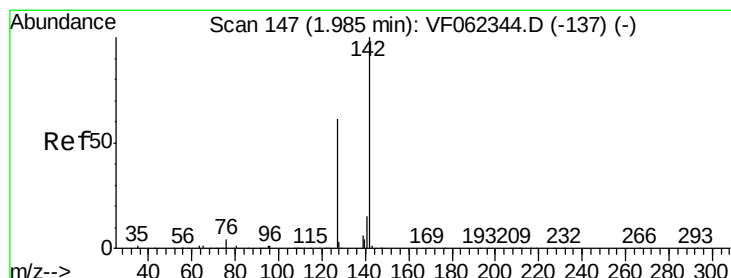
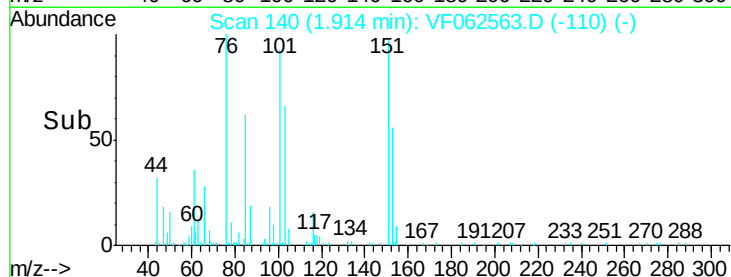
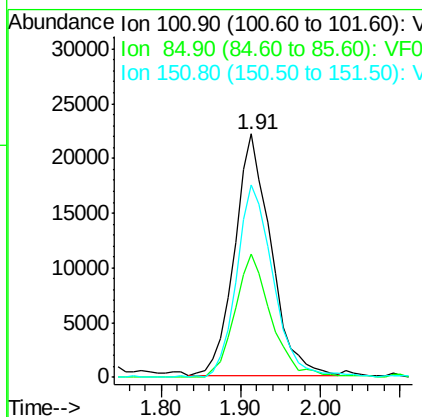
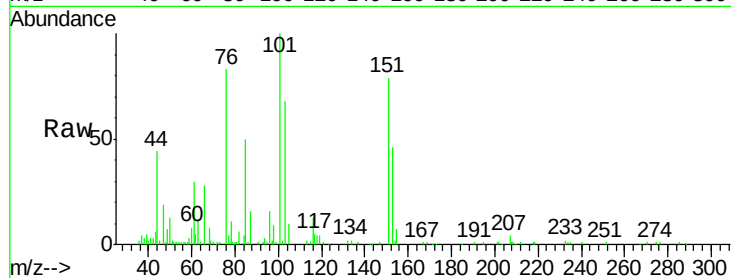
ClientSampleId :

VF0513SBS02

Tot Ion:	101	Resp:	70049
Ion Ratio	Lower	Upper	
101	100		
85	51.2	39.5	59.3
151	80.1	59.9	89.9

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5/14/2019 11:05:11 AM



#10

Methyl Iodide

Concen: 26.324 ug/l

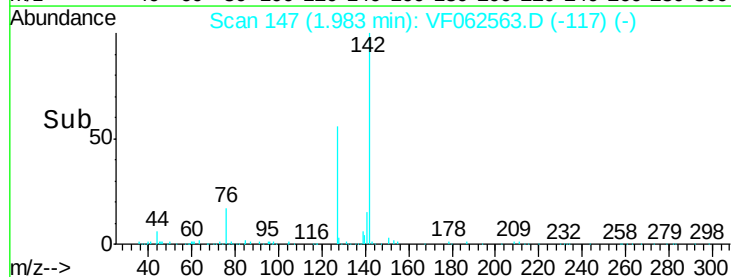
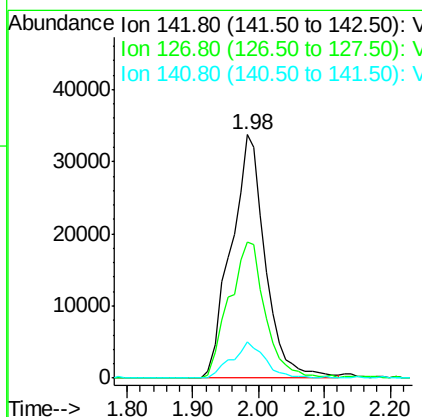
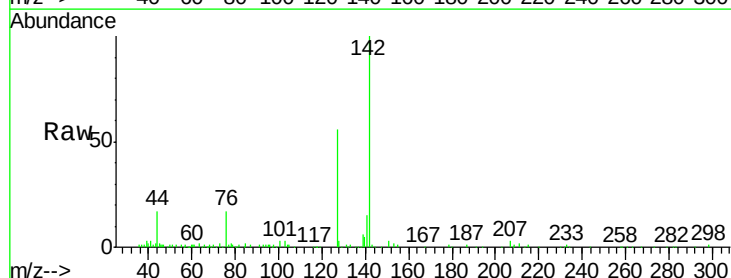
RT: 1.98 min Scan# 147

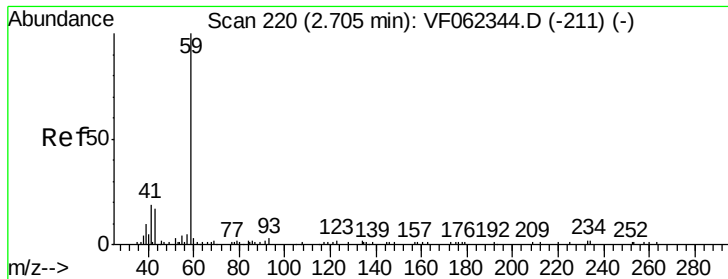
Delta R.T. -0.00 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion:	142	Resp:	123282
Ion Ratio	Lower	Upper	
142	100		
127	58.5	48.4	72.6
141	14.2	12.2	18.4





#11

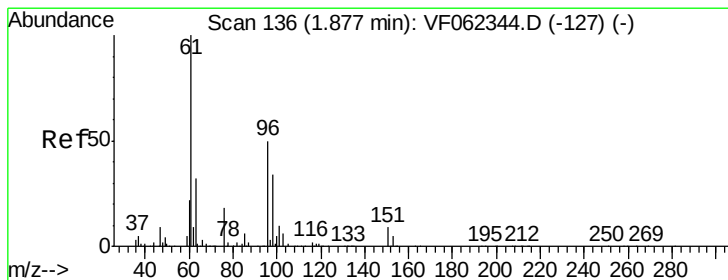
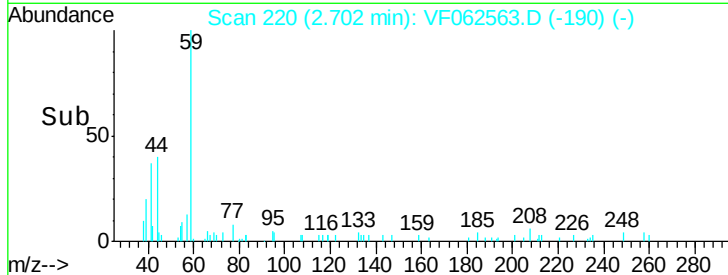
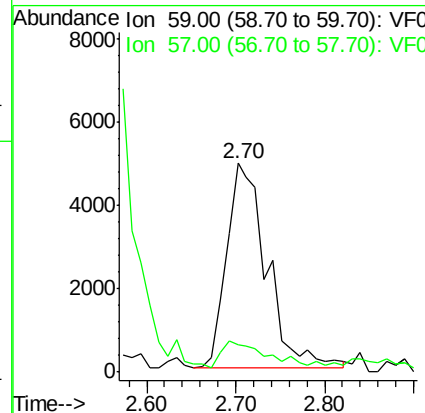
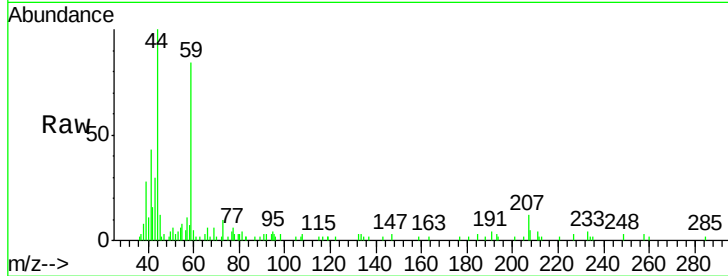
Tert butyl alcohol
Concen: 92.052 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	15493		
57	13.5	9.3	13.9	

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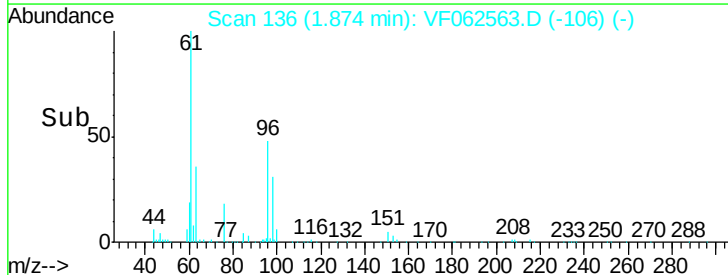
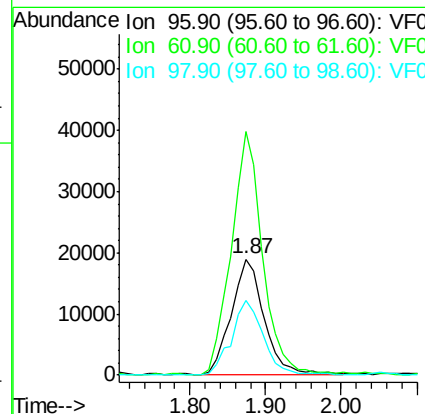
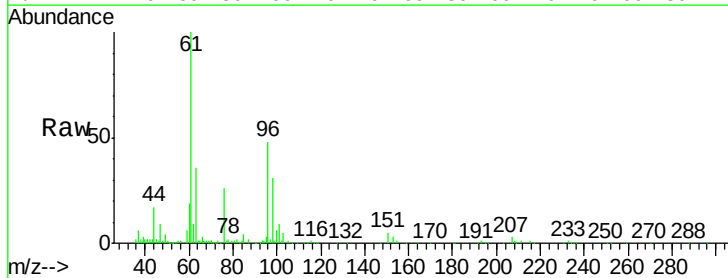
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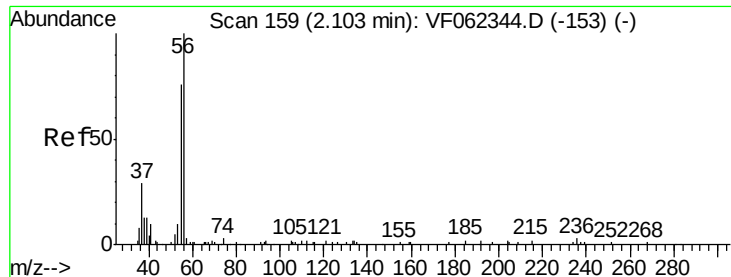


#12

1,1-Dichloroethene
Concen: 23.704 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	57268		
61	210.3	163.2	244.8	
98	63.9	55.2	82.8	





#13

Acrolein

Concen: 91.115 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF062563.D

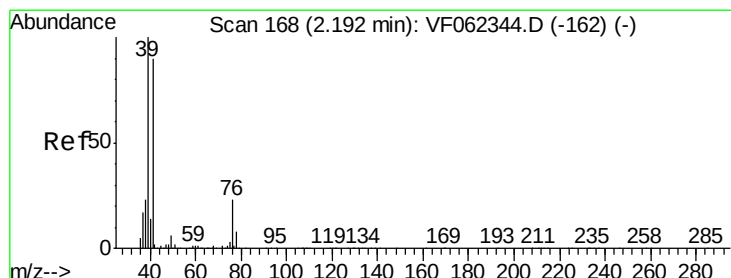
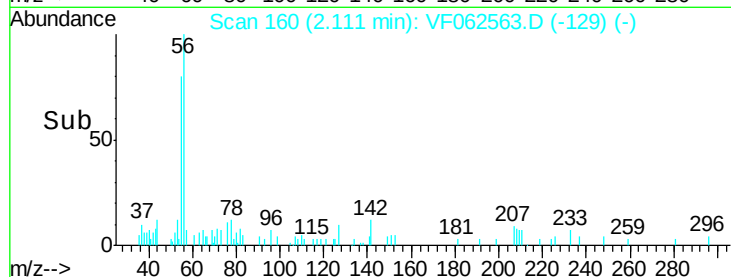
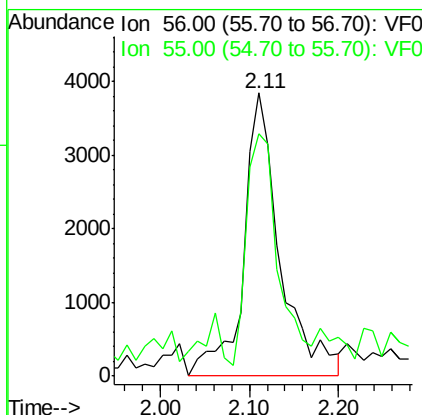
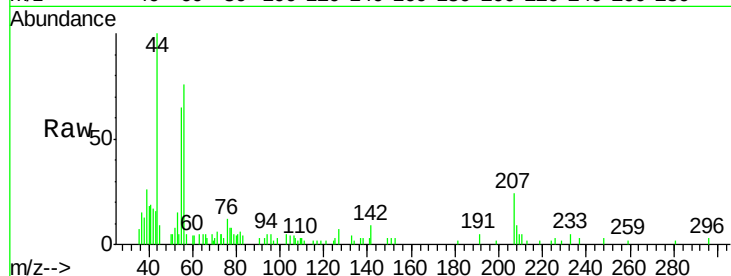
Acq: 14 May 2019 2:39

Tot Ion	56	Ratio	100	Resp	10875
Ion	56	100		Lower	Upper
	55	70.4		58.4	87.6

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

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#14

Allyl chloride

Concen: 39.280 ug/l

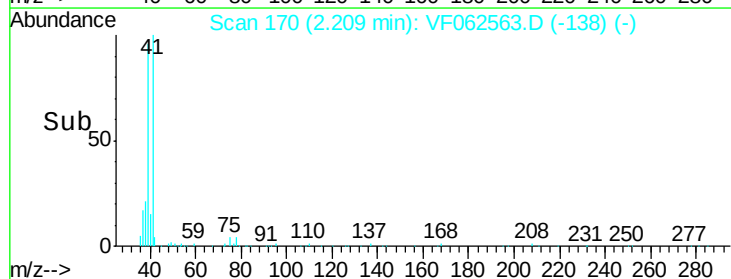
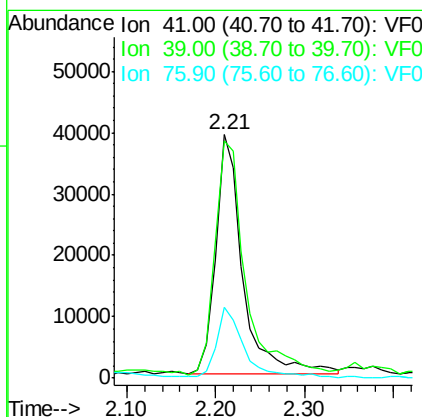
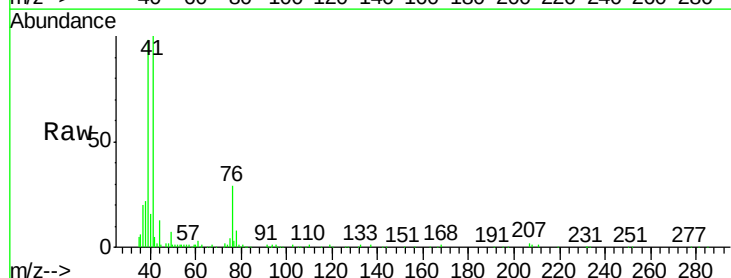
RT: 2.21 min Scan# 170

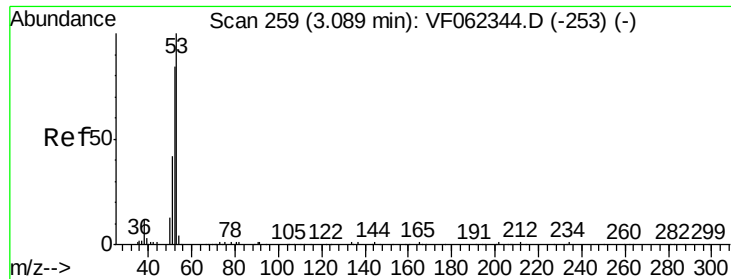
Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion	41	Ratio	100	Resp	83830
Ion	41	100		Lower	Upper
	39	109.9		90.8	136.2
	76	28.7		22.2	33.4





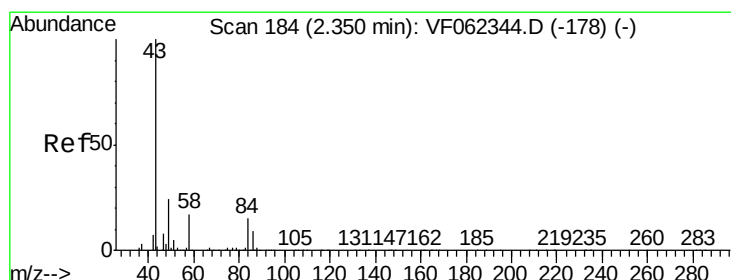
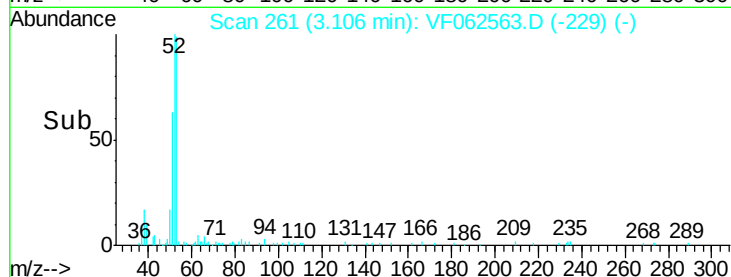
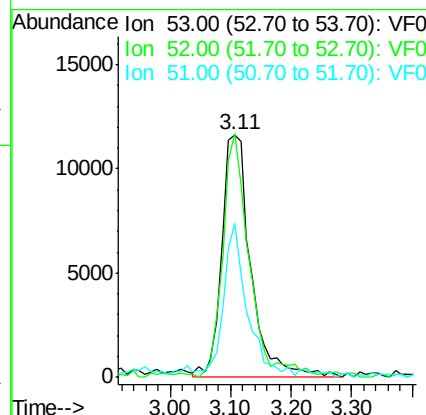
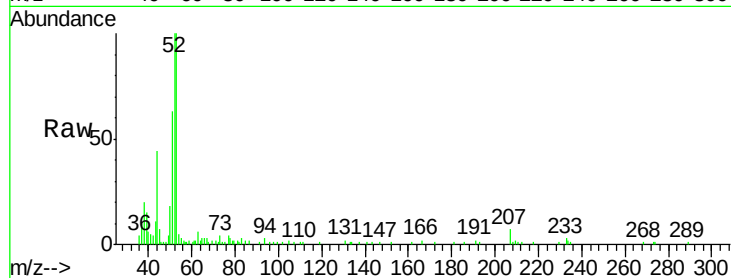
#15
 Acrylonitrile
 Concen: 122.512 ug/l
 RT: 3.11 min Scan# 261
 Delta R.T. 0.02 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Tot Ion:	53	Resp:	39059
Ion	Ratio	Lower	Upper
53	100		
52	91.2	77.2	115.8
51	48.8	40.6	61.0

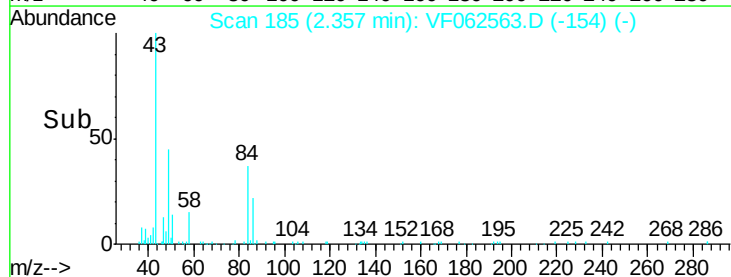
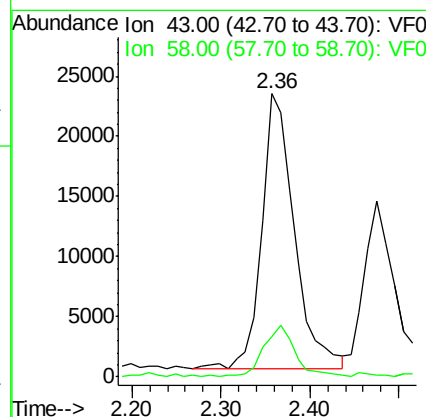
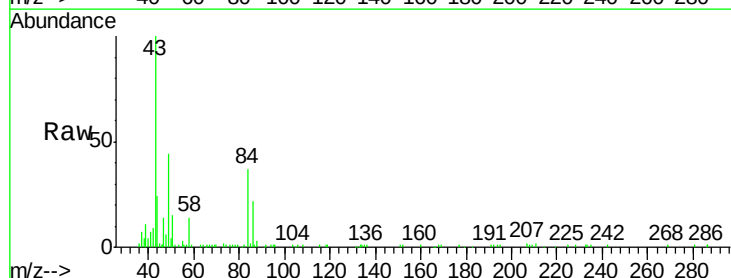
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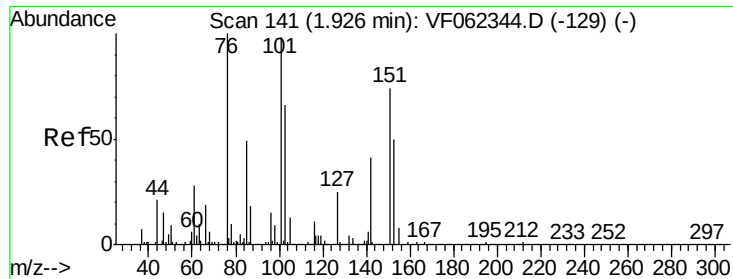
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#16
 Acetone
 Concen: 95.715 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Tgt Ion:	43	Resp:	57661
Ion	Ratio	Lower	Upper
43	100		
58	14.1	13.1	19.7





#17

Carbon Disulfide

Concen: 23.349 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion: 76 Resp: 122997

Ion Ratio Lower Upper

76 100

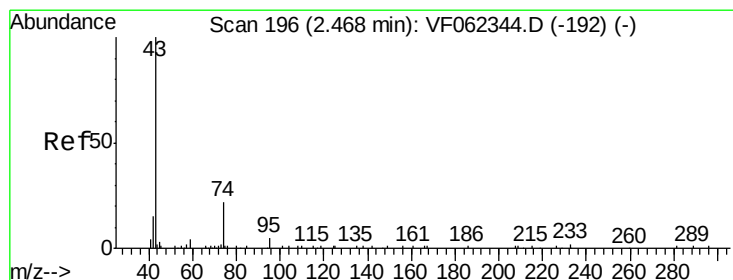
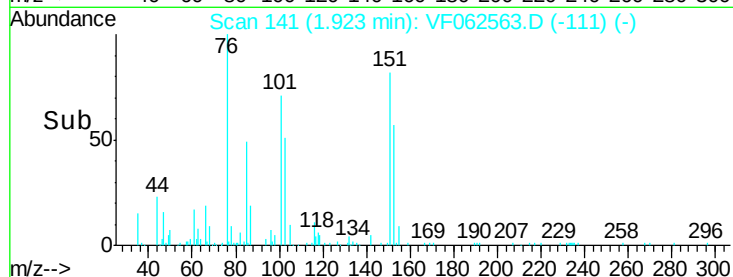
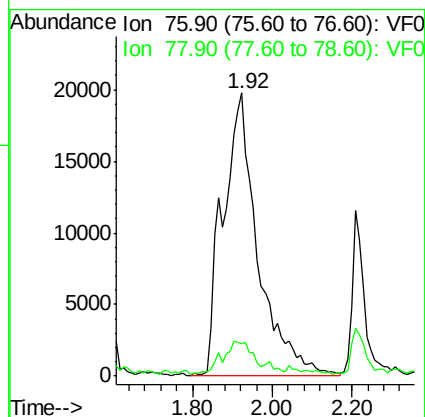
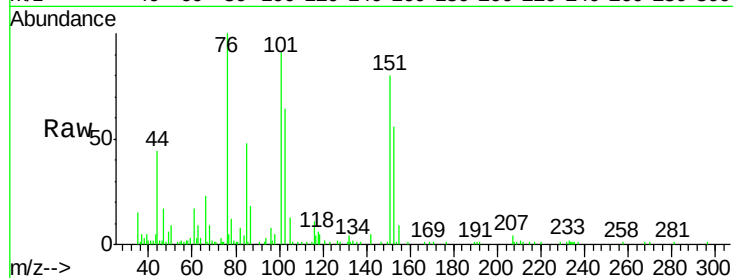
78 11.0 9.0 13.4

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#18

Methyl Acetate

Concen: 26.599 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062563.D

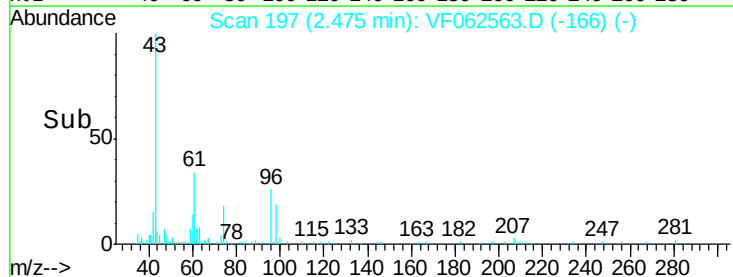
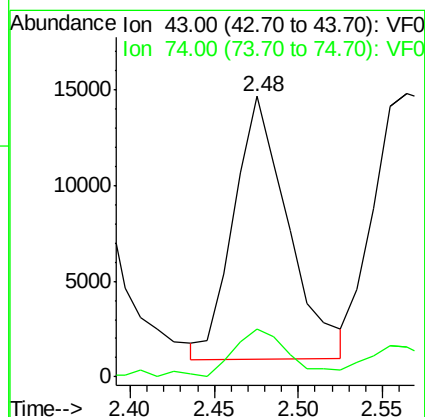
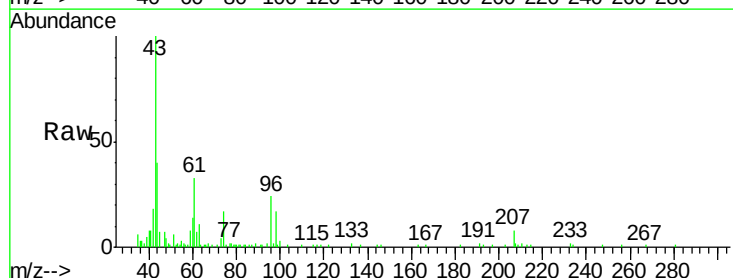
Acq: 14 May 2019 2:39

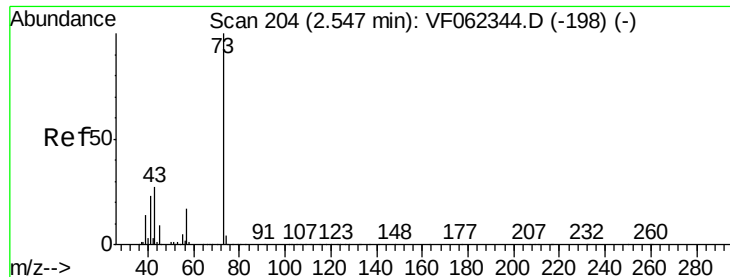
Tgt Ion: 43 Resp: 30833

Ion Ratio Lower Upper

43 100

74 17.4 15.0 22.4





#19

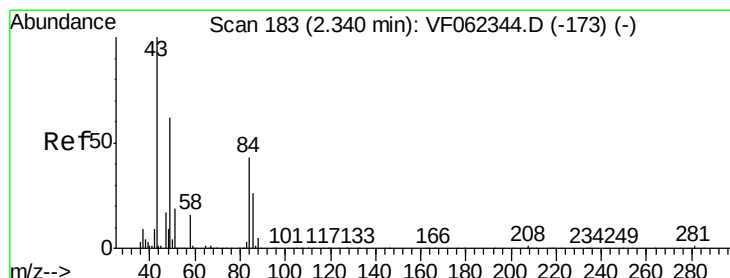
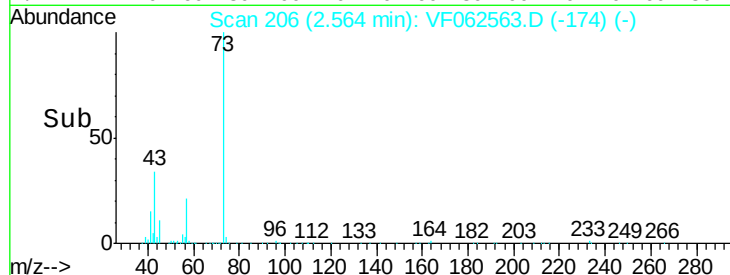
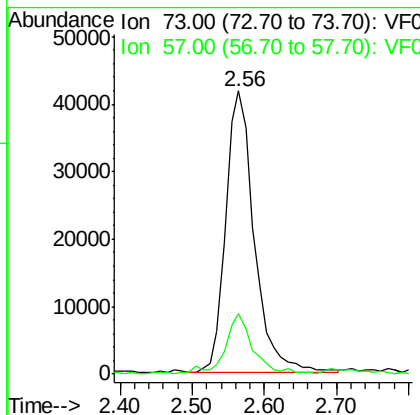
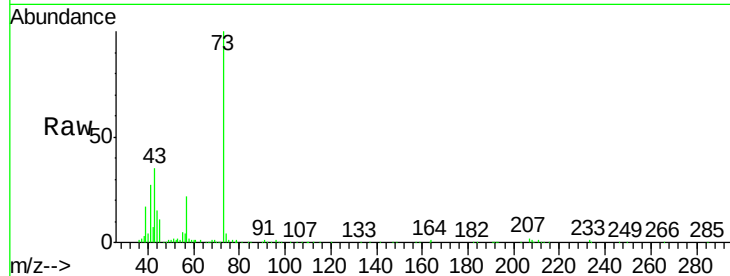
Methyl tert-butyl Ether
 Concen: 23.116 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.02 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	13.7	20.5#

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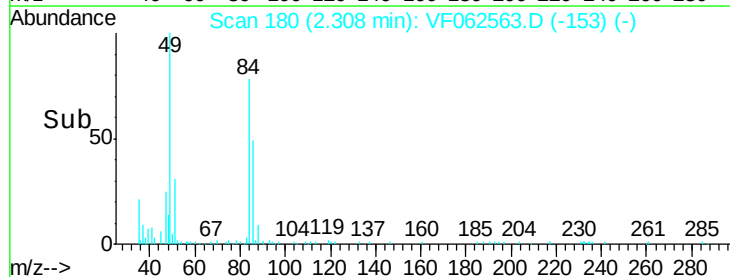
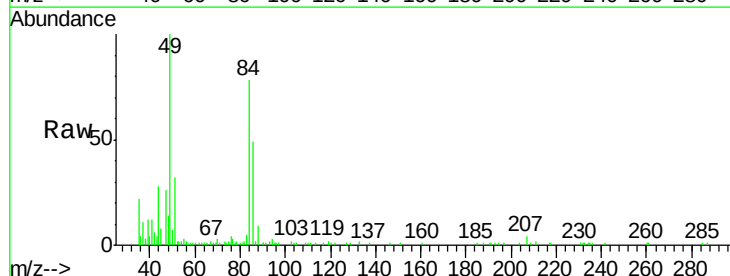
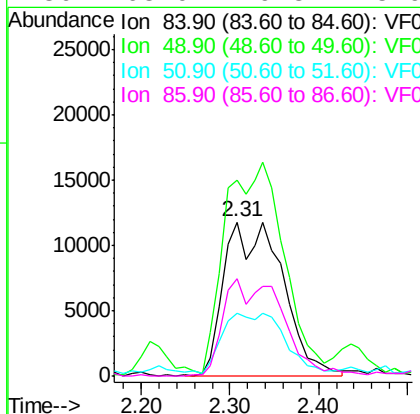
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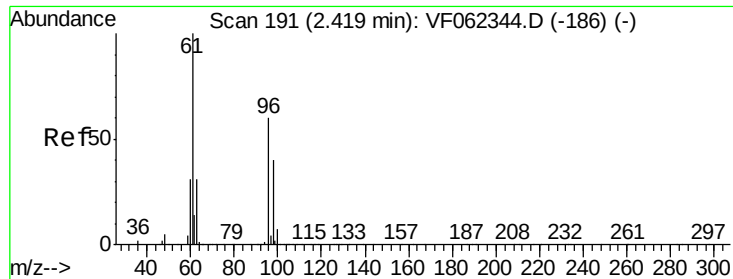


#20

Methylene Chloride
 Concen: 24.565 ug/l m
 RT: 2.31 min Scan# 180
 Delta R.T. -0.03 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	117.5	176.3
51	40.8	37.0	55.4
86	63.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 23.944 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

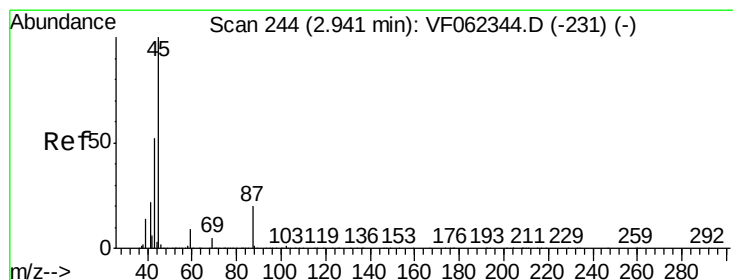
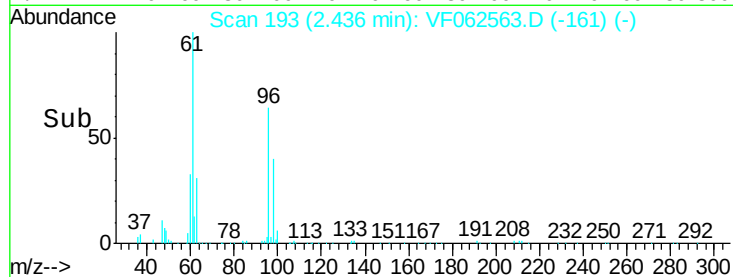
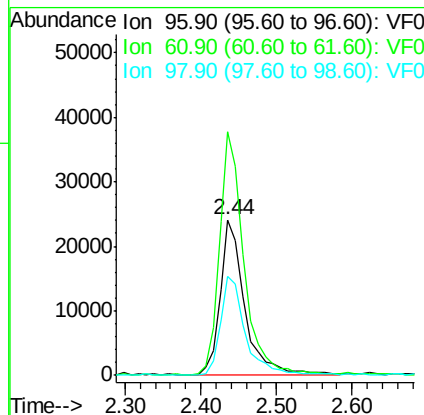
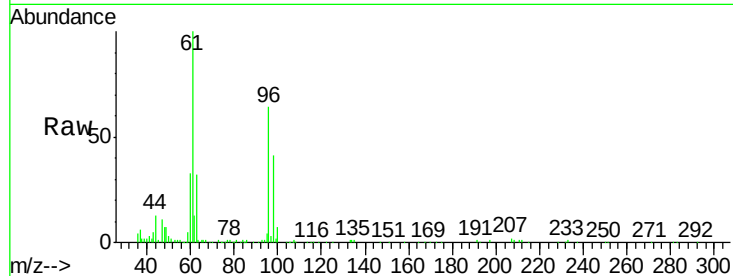
ClientSampleId :

VF0513SBS02

Tot Ion:	96	Resp:	55115
Ion Ratio	Lower	Upper	
96	100		
61	156.6	133.2	199.8
98	63.7	53.1	79.7

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#22

Diisopropyl ether

Concen: 23.921 ug/l

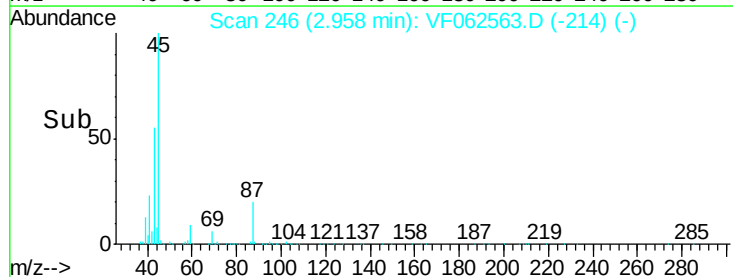
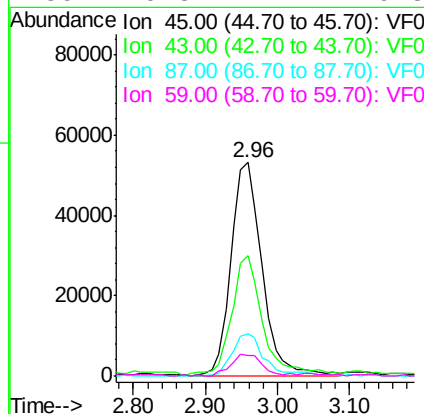
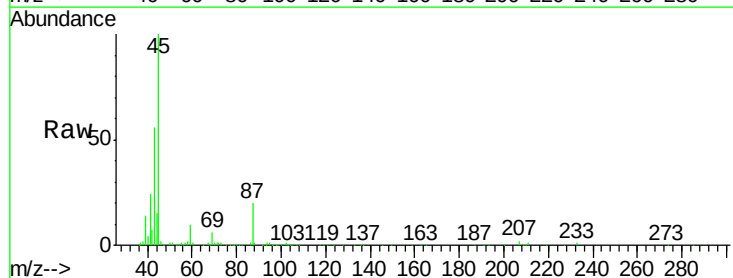
RT: 2.96 min Scan# 246

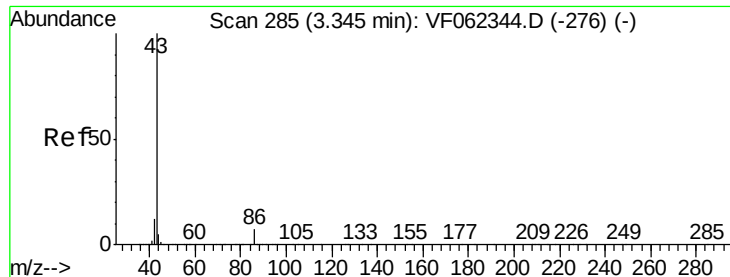
Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion:	45	Resp:	159554
Ion Ratio	Lower	Upper	
45	100		
43	55.4	41.4	62.0
87	19.4	15.8	23.6
59	9.3	7.2	10.8





#23

Vinyl Acetate

Concen: 104.658 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion: 43 Resp: 311128

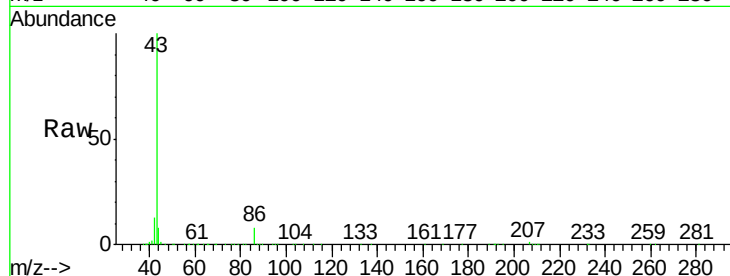
Ion Ratio Lower Upper

43 100

86 7.7 5.7 8.5

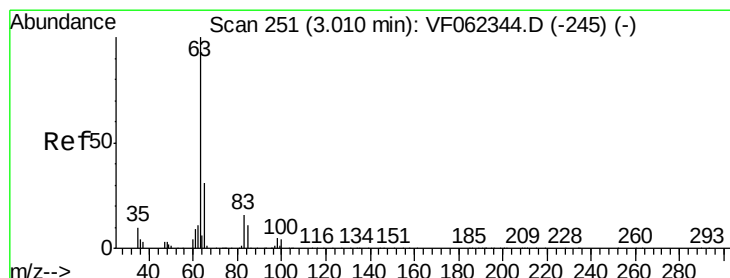
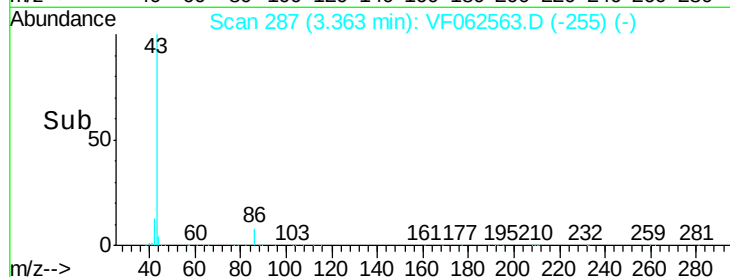
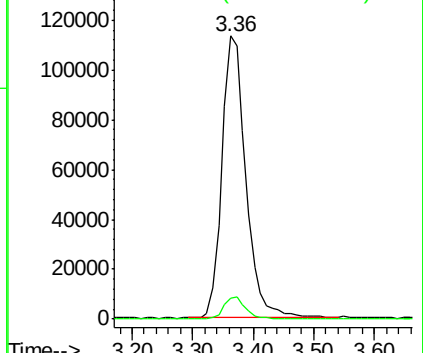
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 26.065 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

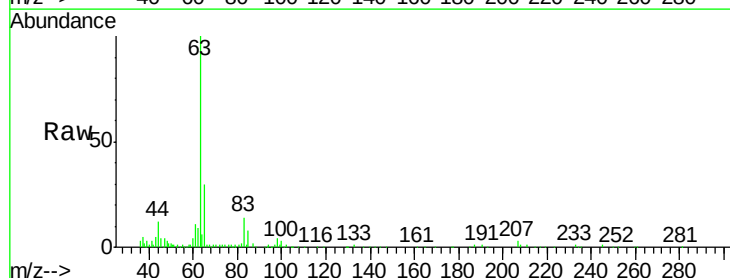
Tgt Ion: 63 Resp: 105074

Ion Ratio Lower Upper

63 100

98 3.7 2.6 8.0

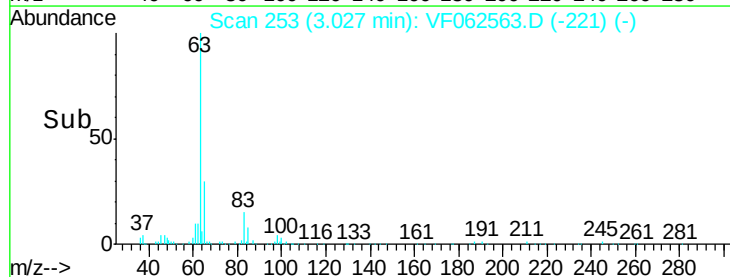
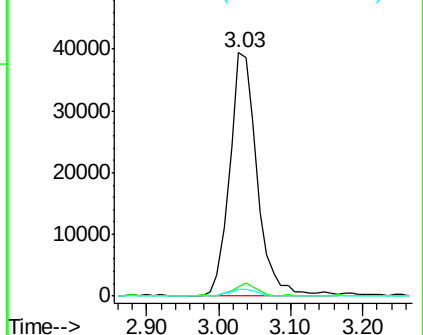
100 2.7 1.8 5.4

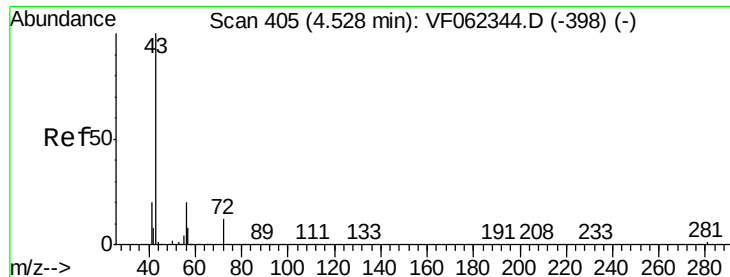


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 113.118 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion: 43 Resp: 85612

Ion Ratio Lower Upper

43 100

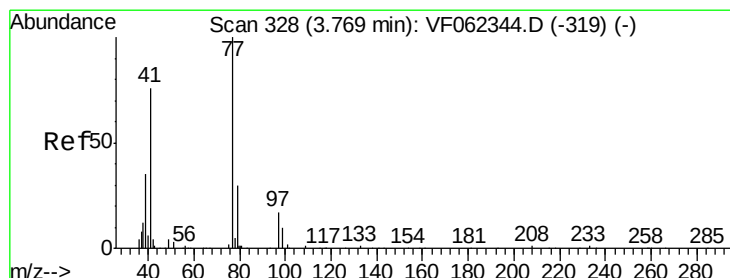
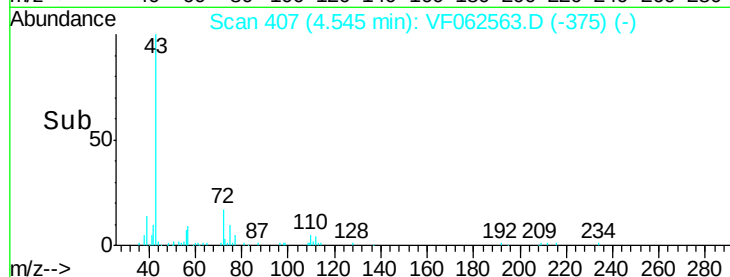
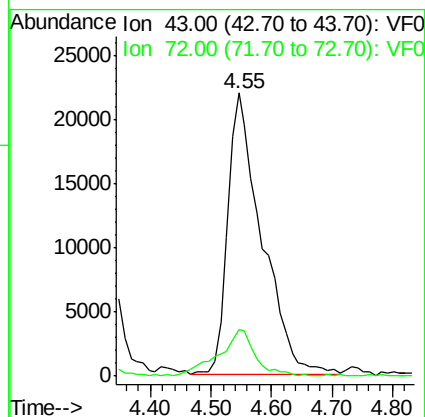
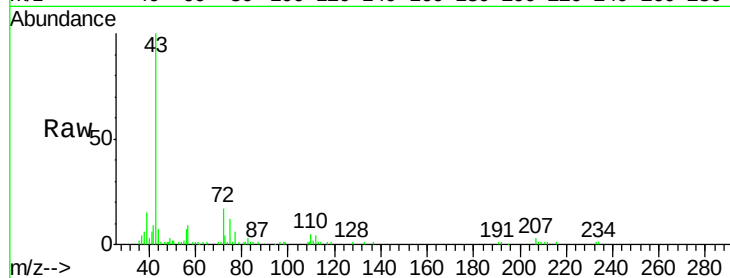
72 16.0 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 28.126 ug/l

RT: 3.81 min Scan# 332

Delta R.T. 0.04 min

Lab File: VF062563.D

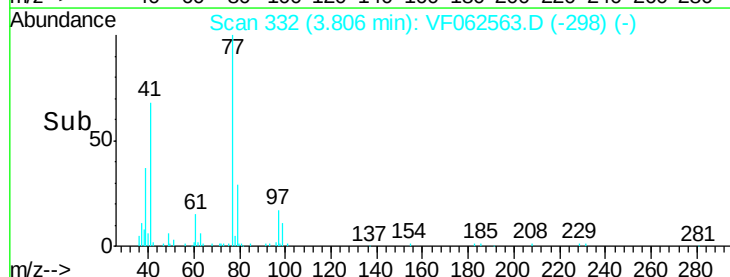
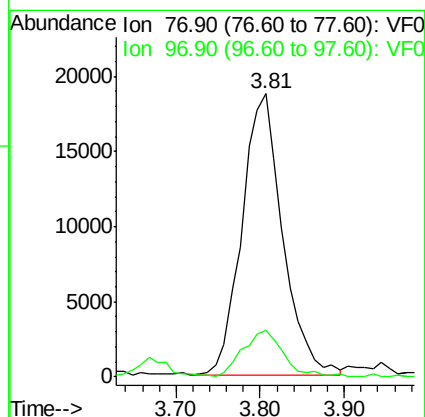
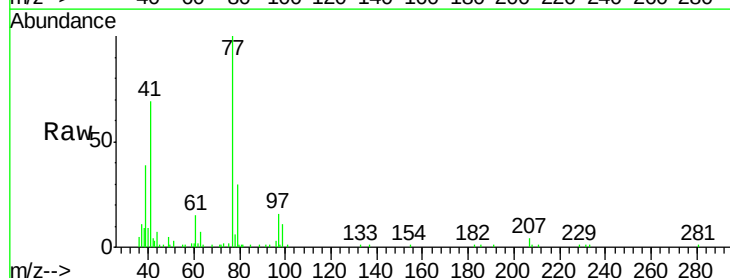
Acq: 14 May 2019 2:39

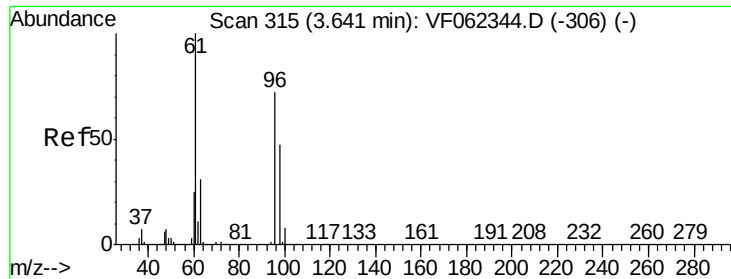
Tgt Ion: 77 Resp: 63319

Ion Ratio Lower Upper

77 100

97 16.6 9.5 28.5





#27

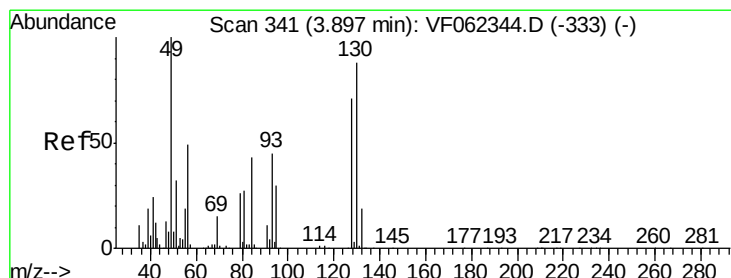
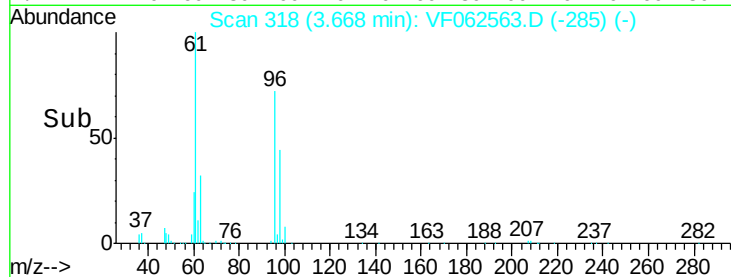
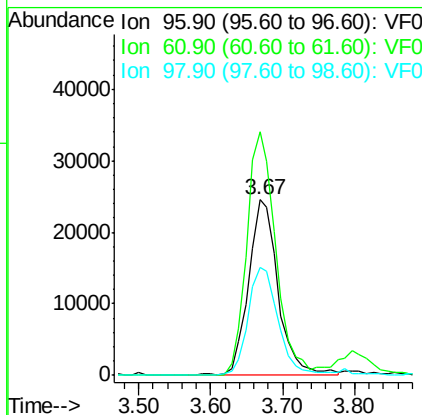
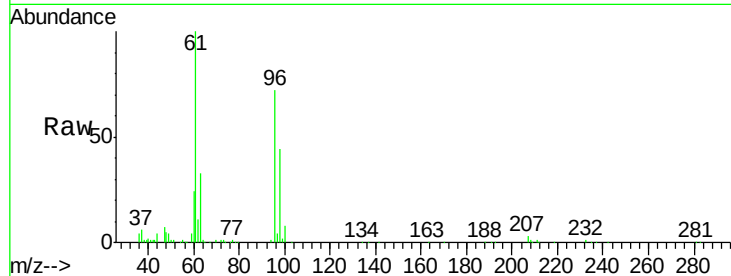
cis-1,2-Dichloroethene
Concen: 24.493 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.03 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	70475		
61	136.5		0.0	263.0
98	62.5		0.0	130.8

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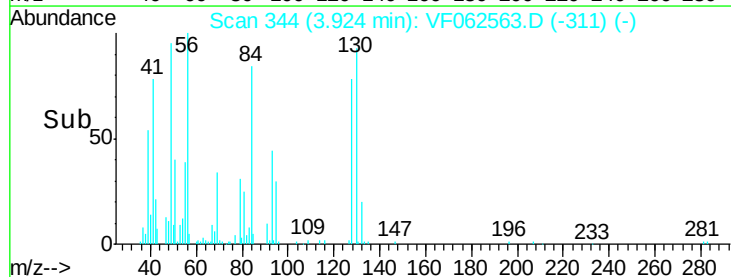
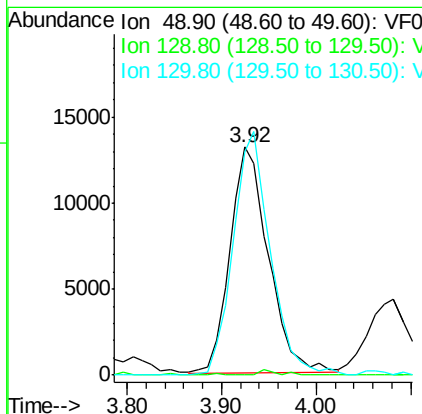
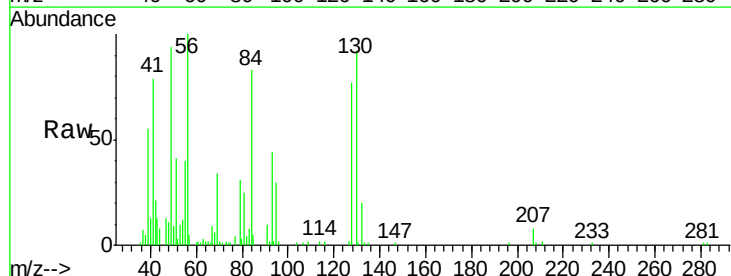
MMDadoda
5/14/2019 11:05:11 AM

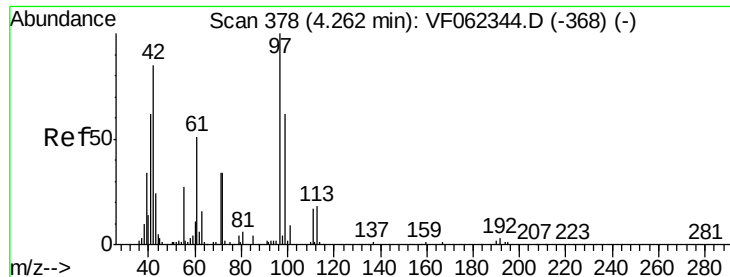


#28

Bromochloromethane
Concen: 20.301 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.03 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37116		
129	1.1		0.0	2.2
130	104.0		79.4	119.0





#29

Tetrahydrofuran

Concen: 109.889 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

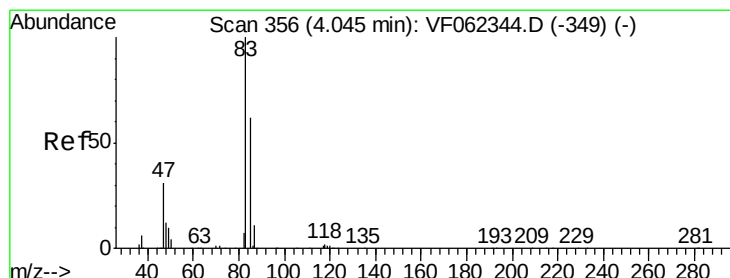
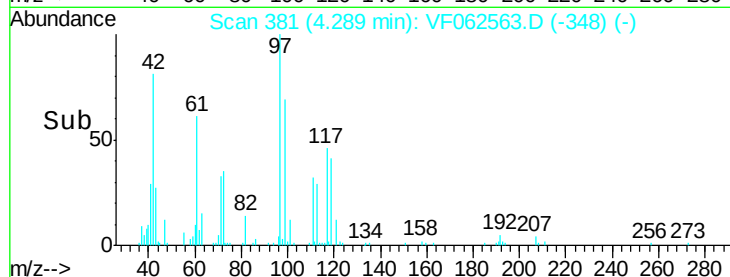
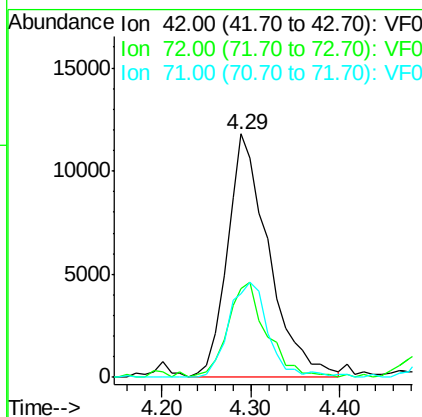
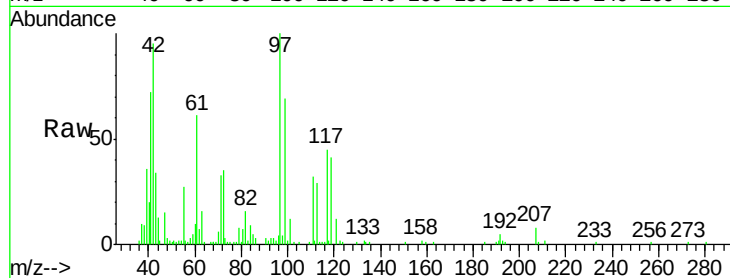
ClientSampleId :

VF0513SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	31.4	47.0
71	37.6	31.7	47.5

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#30

Chloroform

Concen: 24.360 ug/l

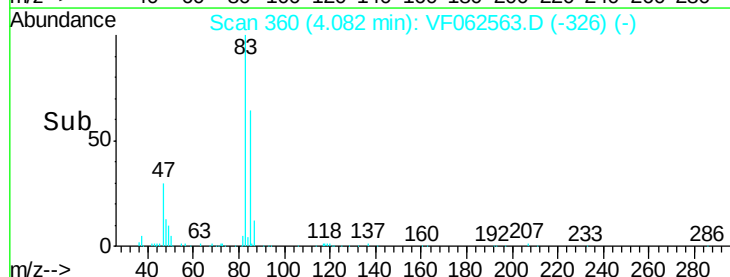
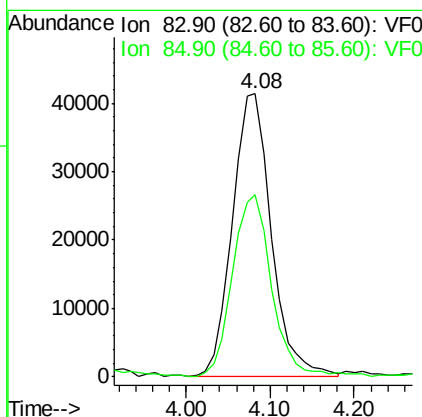
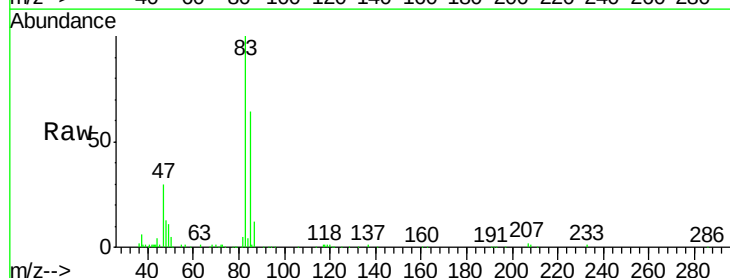
RT: 4.08 min Scan# 360

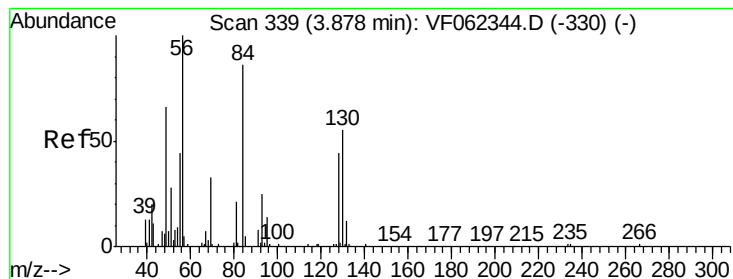
Delta R.T. 0.04 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.6	74.4





#31

Cyclohexane

Concen: 23.641 ug/l

RT: 3.91 min Scan# 343

Delta R.T. 0.04 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

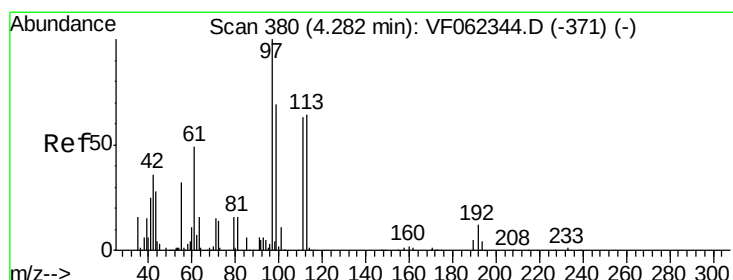
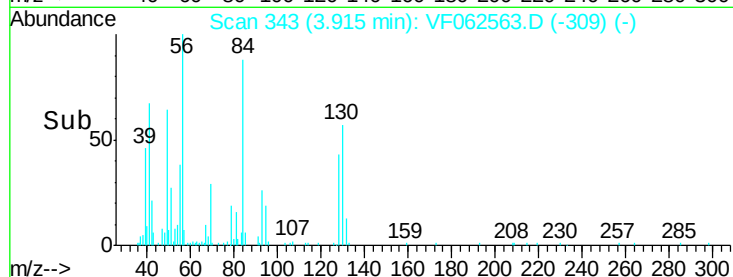
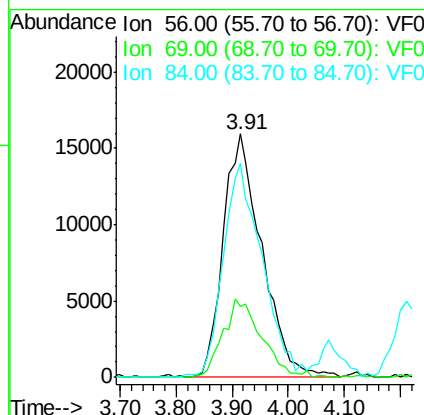
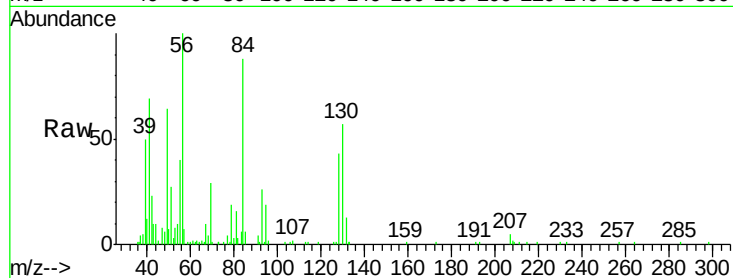
ClientSampleId :

VF0513SBS02

Tot Ion:	56	Resp:	76071
Ion Ratio	Lower	Upper	
56	100		
69	29.2	26.4	39.6
84	86.8	69.0	103.6

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#32

1,1,1-Trichloroethane

Concen: 25.503 ug/l

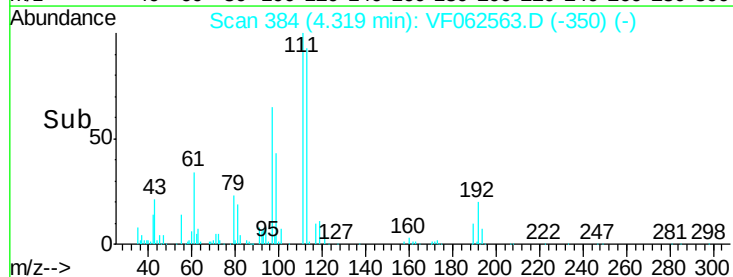
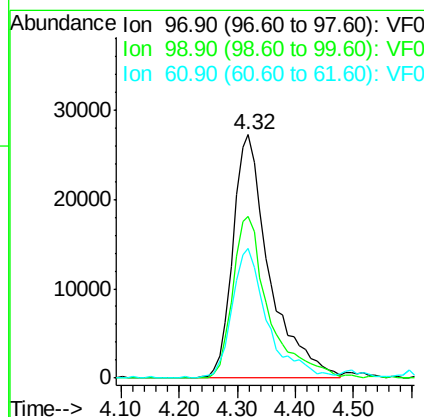
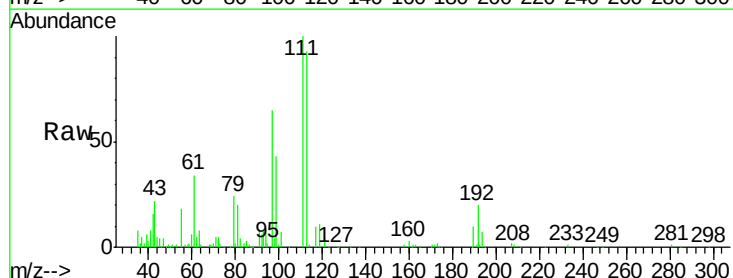
RT: 4.32 min Scan# 384

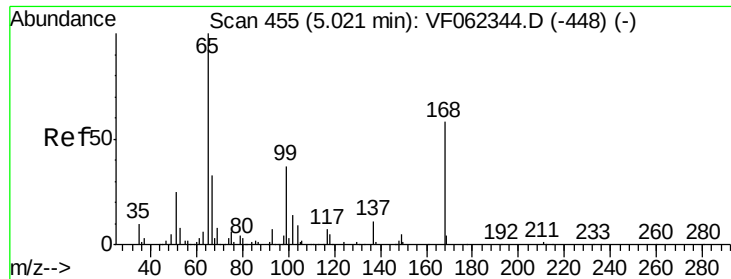
Delta R.T. 0.04 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion:	97	Resp:	119040
Ion Ratio	Lower	Upper	
97	100		
99	65.2	52.6	78.8
61	51.6	39.4	59.0





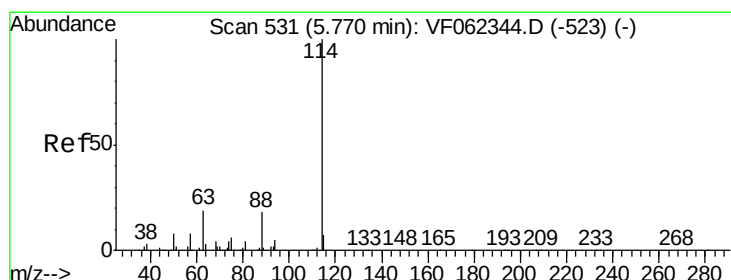
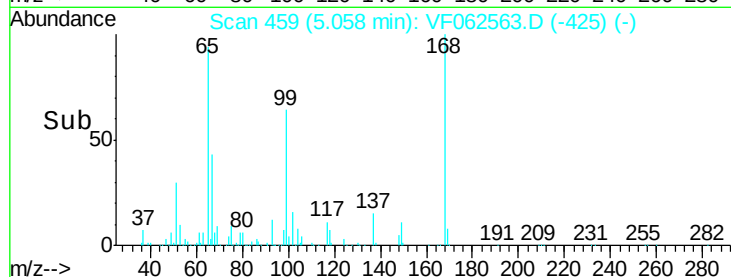
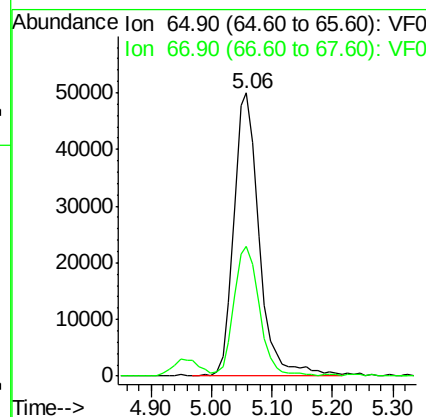
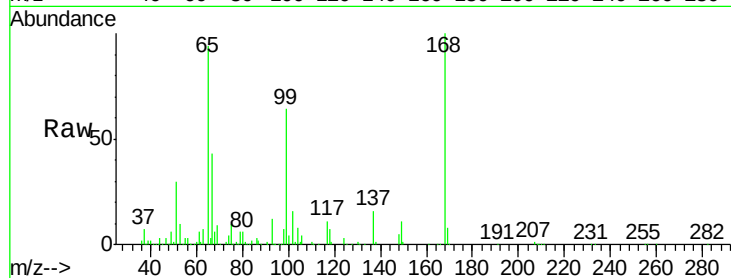
#33
 1,2-Dichloroethane-d4
 Concen: 48.286 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.04 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143794		
67	46.9	0.0	85.8	

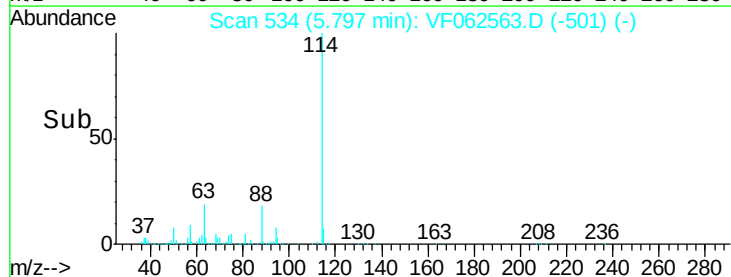
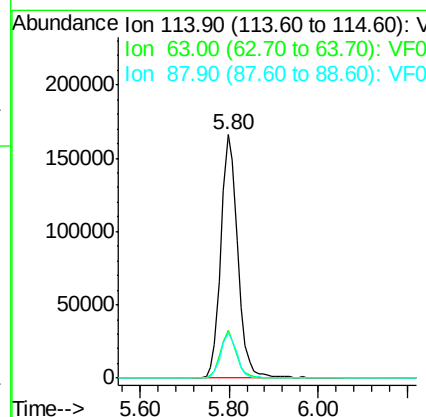
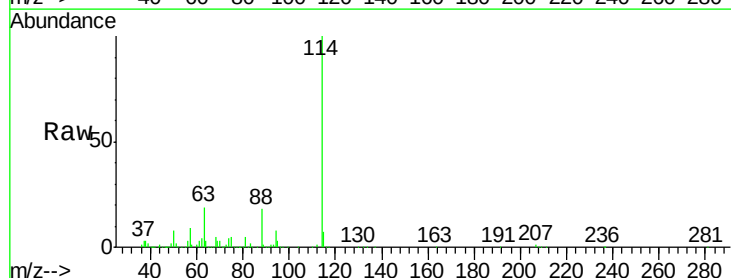
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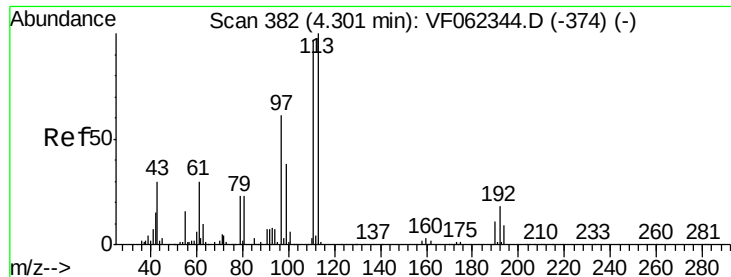
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. 0.03 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437078		
63	19.4	0.0	37.4	
88	18.4	0.0	36.4	





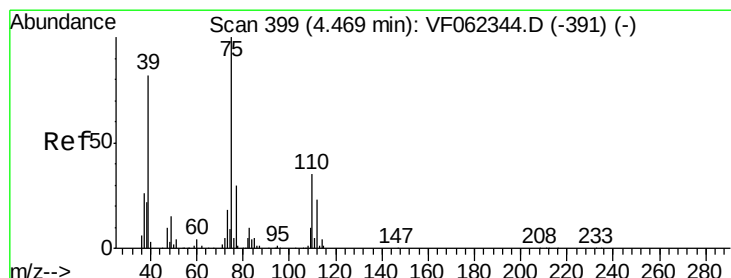
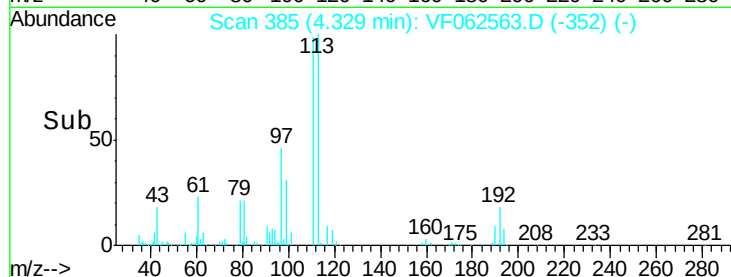
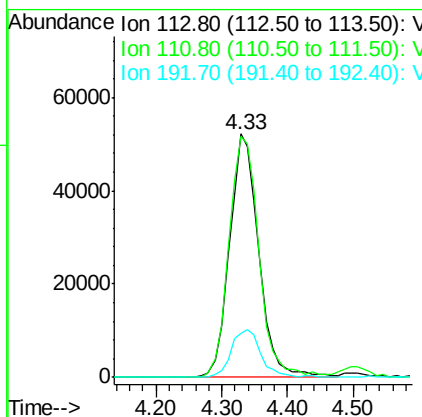
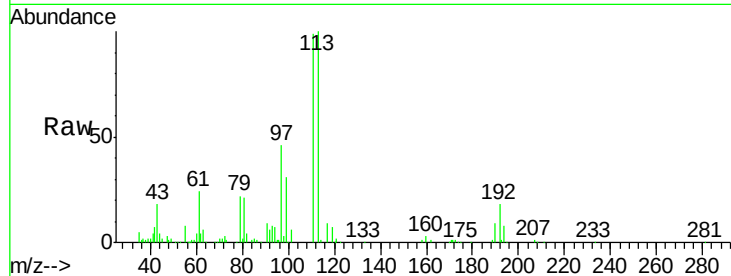
#35
 Dibromofluoromethane
 Concen: 46.621 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.03 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162342		
111	101.8	79.4	119.0	
192	19.9	16.0	24.0	

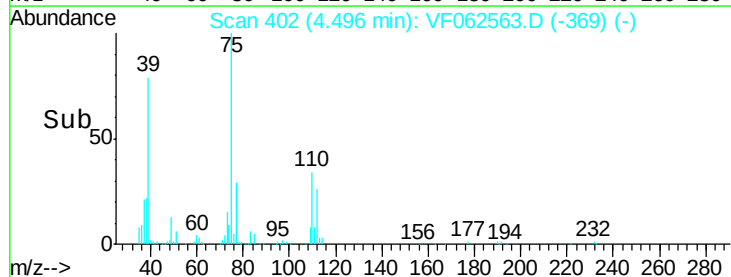
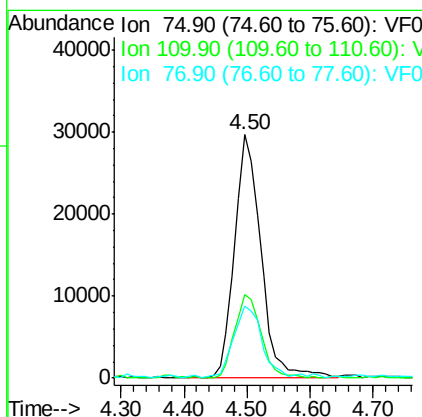
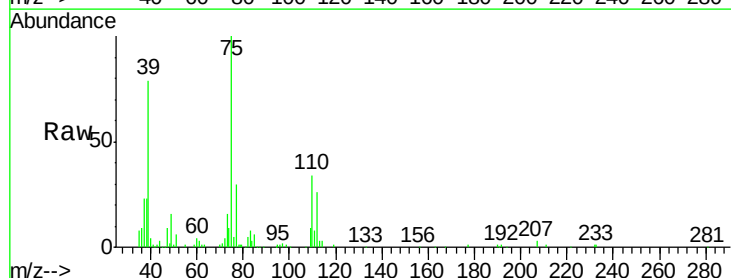
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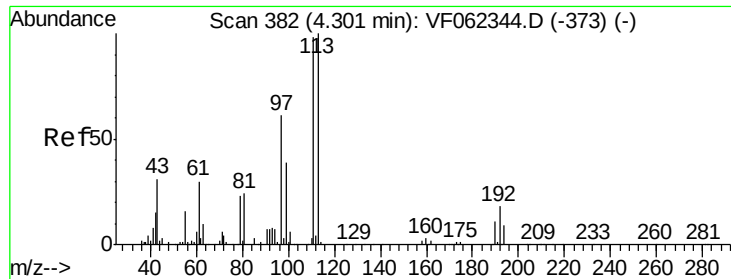
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#36
 1,1-Dichloropropene
 Concen: 23.020 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. 0.03 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86431		
110	34.1	17.2	51.5	
77	30.5	25.2	37.8	





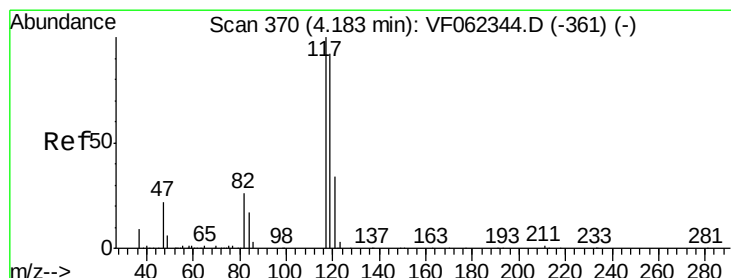
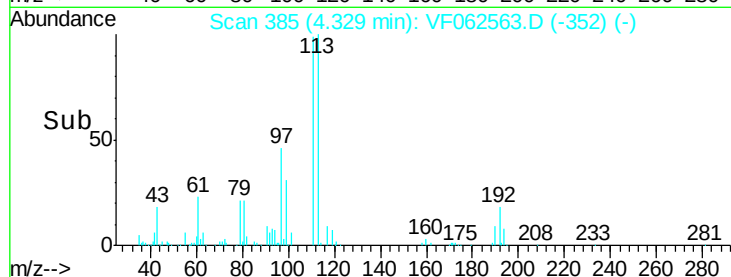
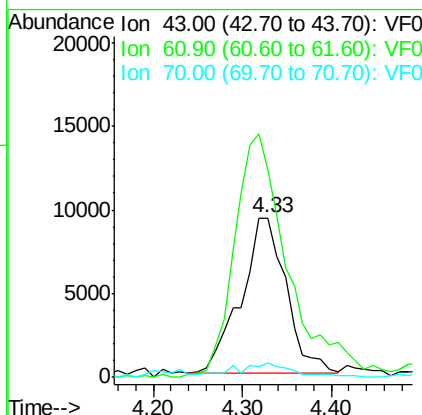
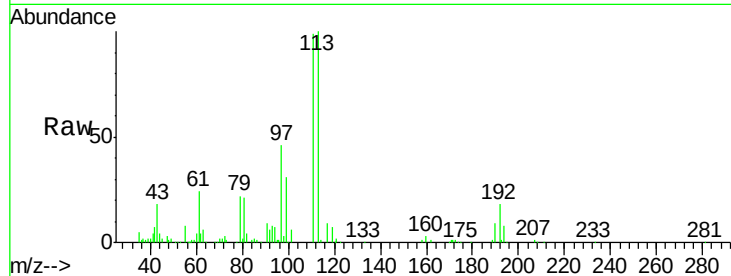
#37
Ethyl Acetate
Concen: 19.171 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	187.5	0.0	0.0#
70	11.9	8.2	12.2

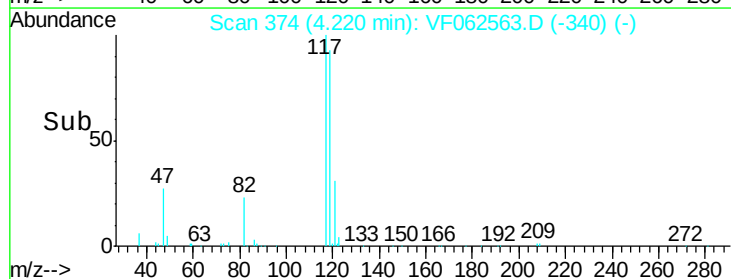
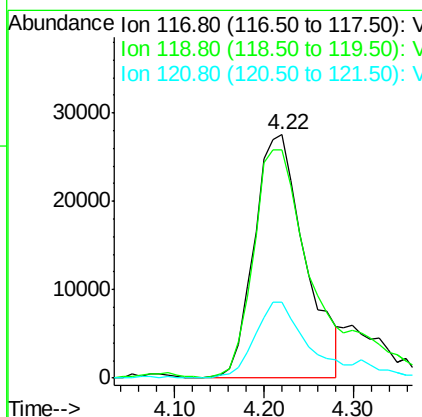
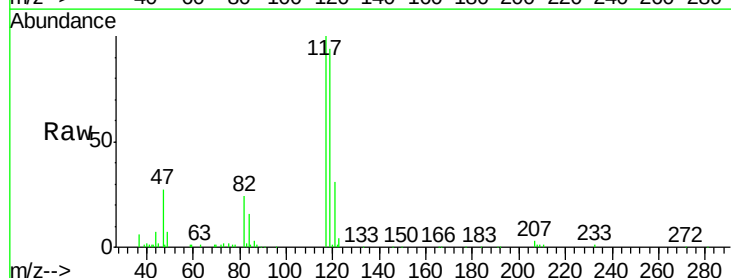
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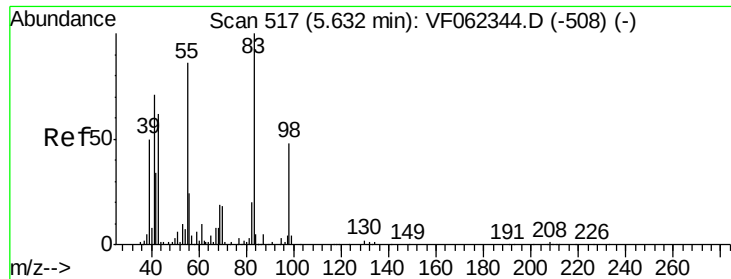
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#38
Carbon Tetrachloride
Concen: 26.485 ug/l m
RT: 4.22 min Scan# 374
Delta R.T. 0.04 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.4	110.2
121	31.1	27.4	41.0





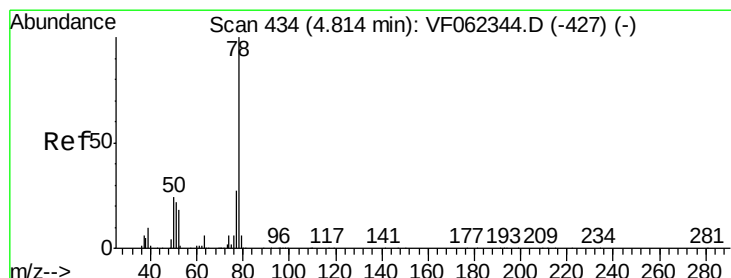
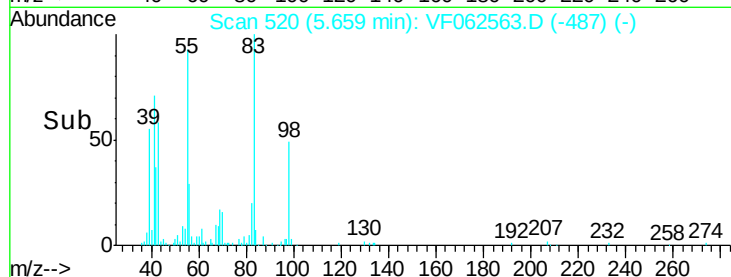
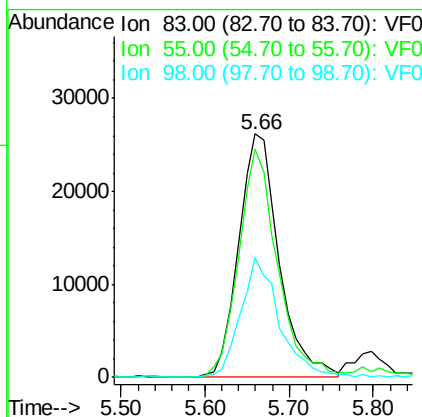
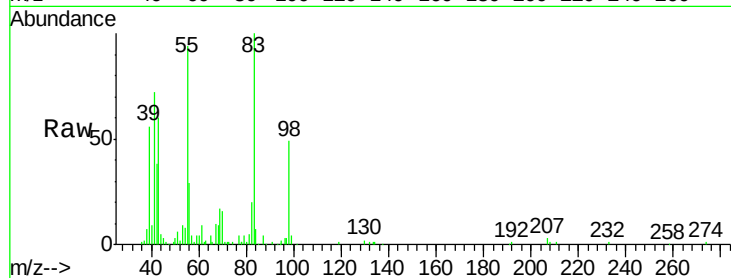
#39
Methylvlcyclohexane
Concen: 23.292 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.03 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	83	Resp	87708
Ion Ratio	Lower	Upper	
83	100		
55	93.6	69.0	103.6
98	49.0	38.6	58.0

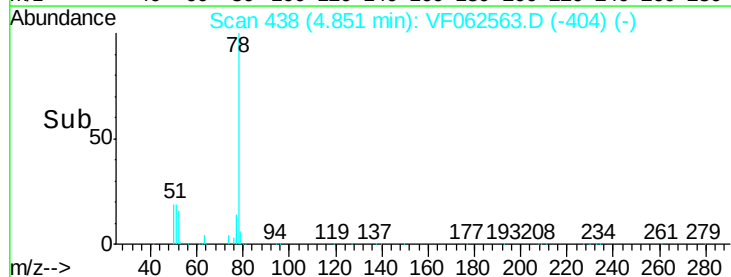
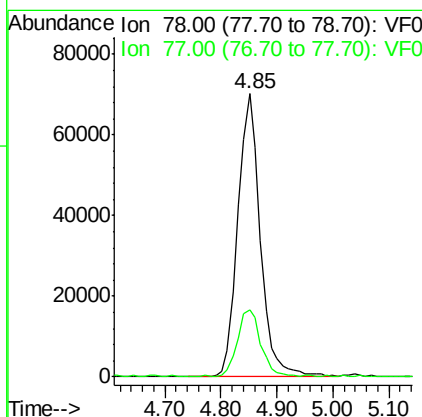
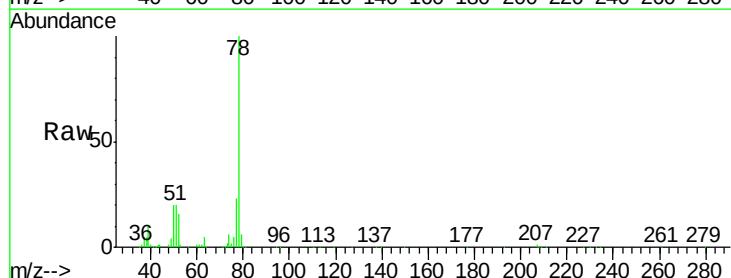
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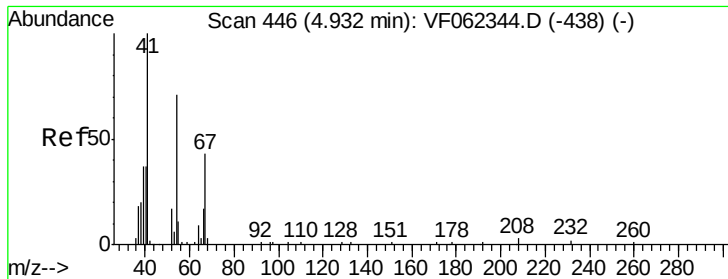
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#40
Benzene
Concen: 23.735 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.04 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	78	Resp	196245
Ion Ratio	Lower	Upper	
78	100		
77	23.2	21.6	32.4





#41

Methacrylonitrile

Concen: 21.726 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

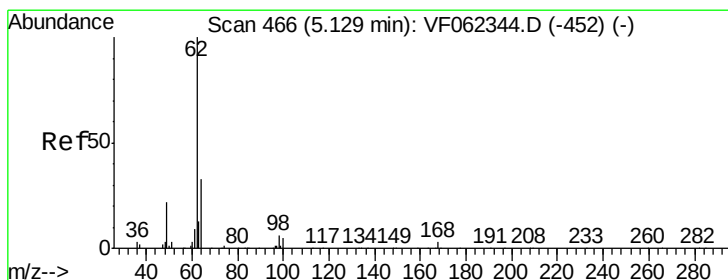
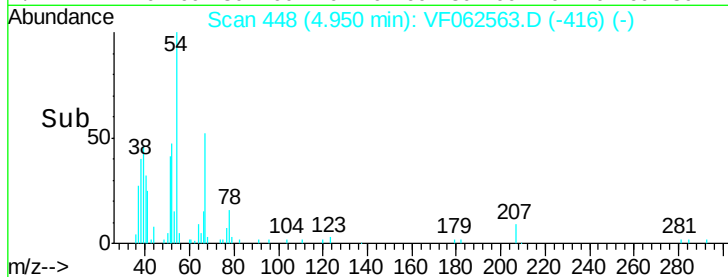
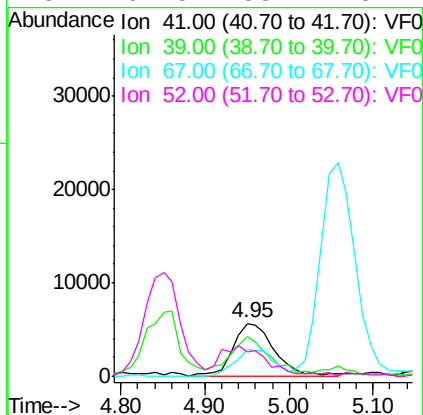
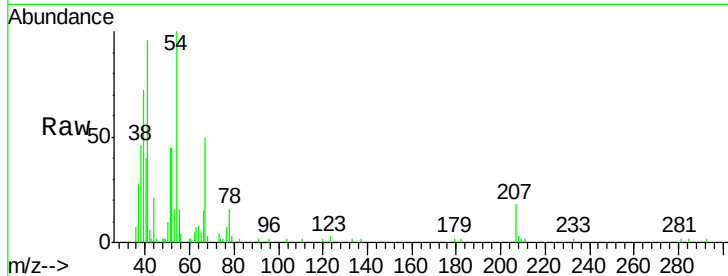
ClientSampleId :

VF0513SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.3	81.5
67	47.0	37.8	56.8
52	62.5	58.2	87.4

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#42

1,2-Dichloroethane

Concen: 24.054 ug/l

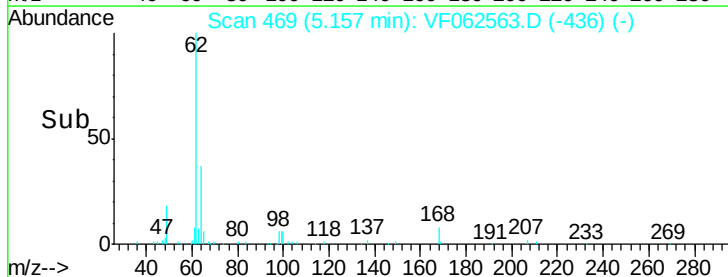
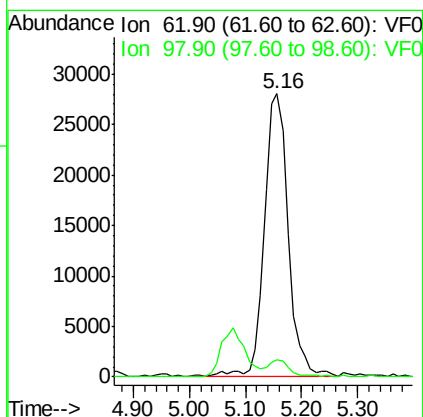
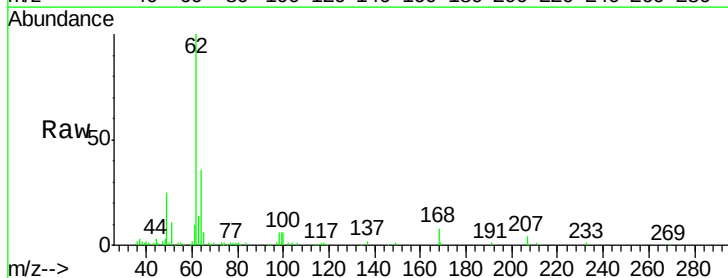
RT: 5.16 min Scan# 469

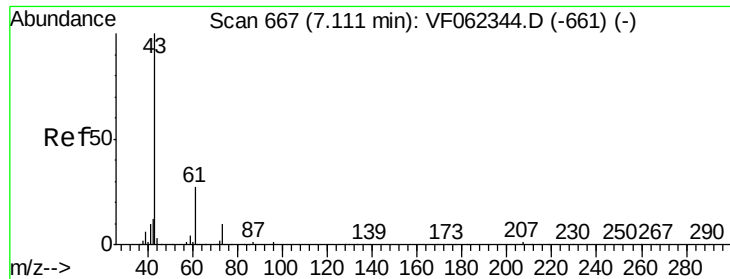
Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	12.4





#43

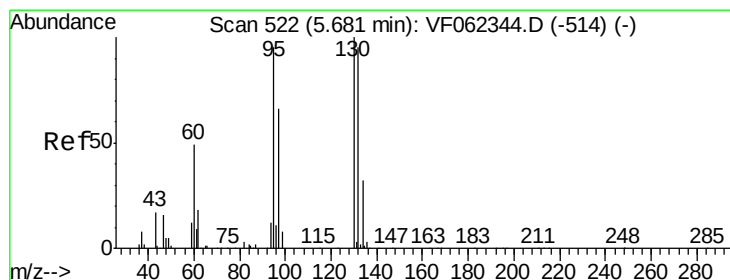
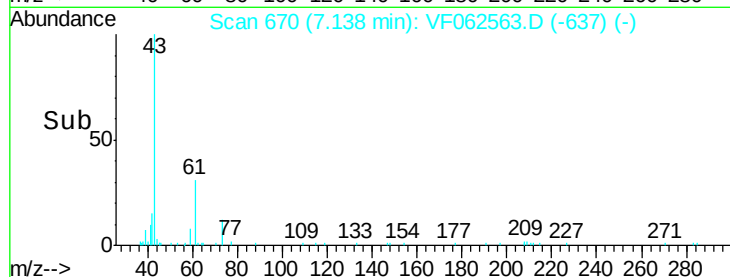
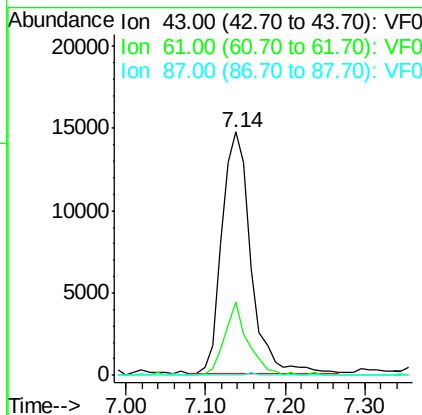
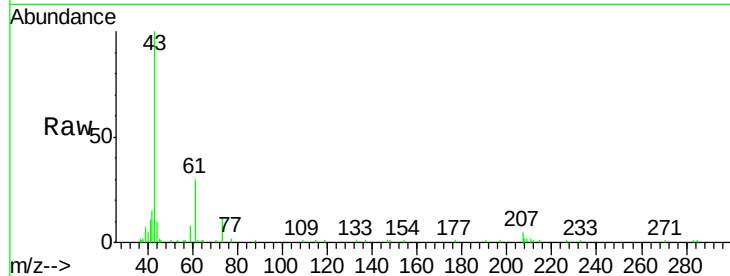
Isopropyl Acetate
 Concen: 22.071 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.03 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	37693		
61	24.6		22.8	34.2
87	0.2		0.6	1.0#

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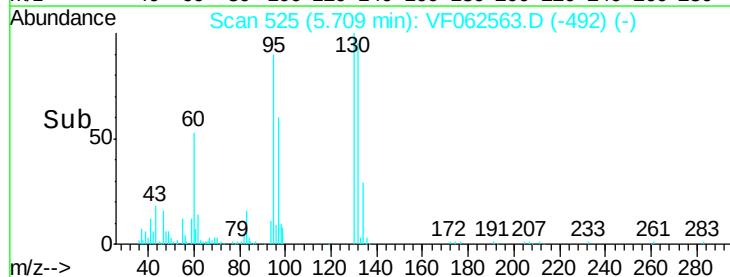
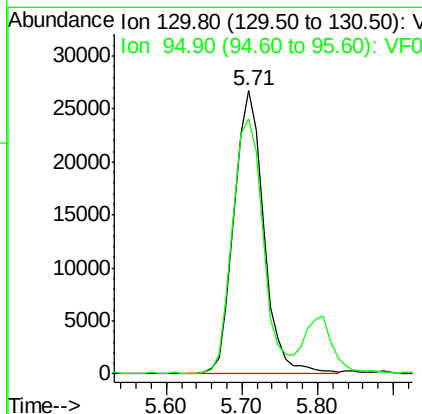
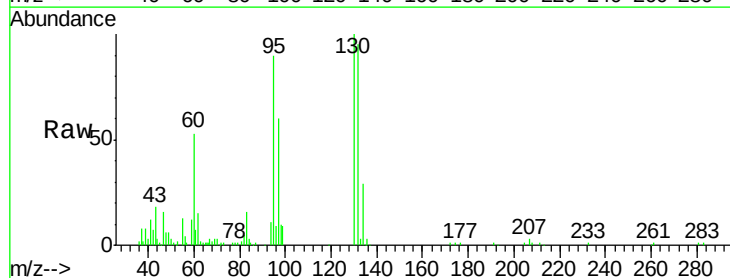
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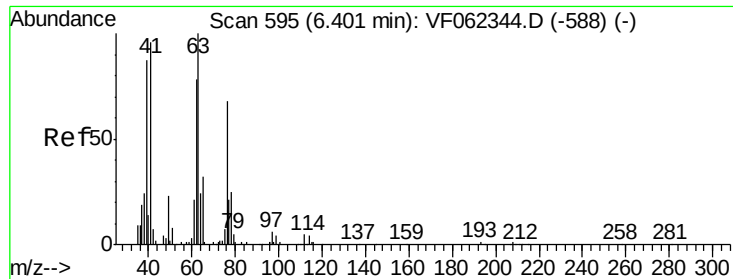


#44

Trichloroethene
 Concen: 23.990 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.03 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	72863		
95	90.3		0.0	189.0





#45

1,2-Dichloropropane

Concen: 24.095 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion: 63 Resp: 45124

Ion Ratio Lower Upper

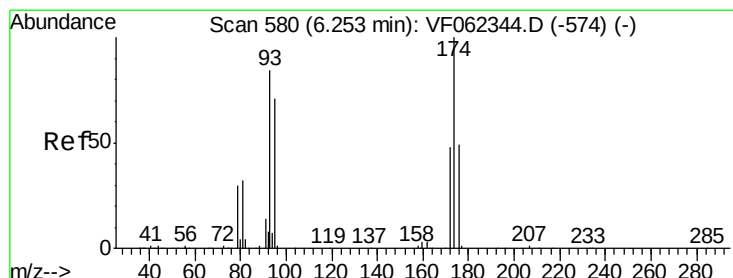
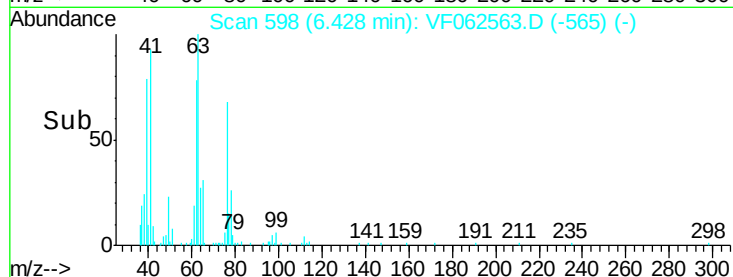
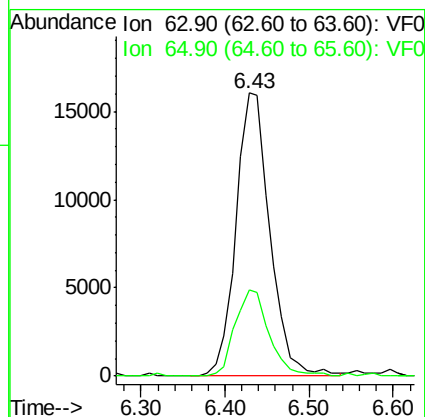
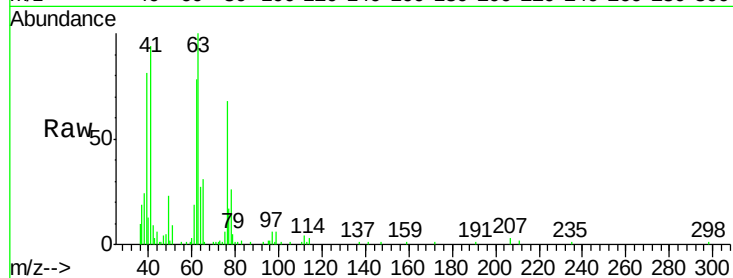
63 100

65 30.7 25.6 38.4

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#46

Dibromomethane

Concen: 24.300 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

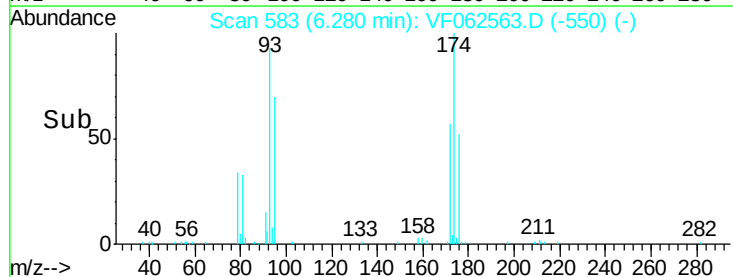
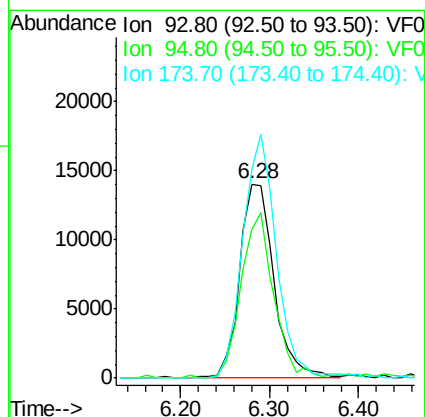
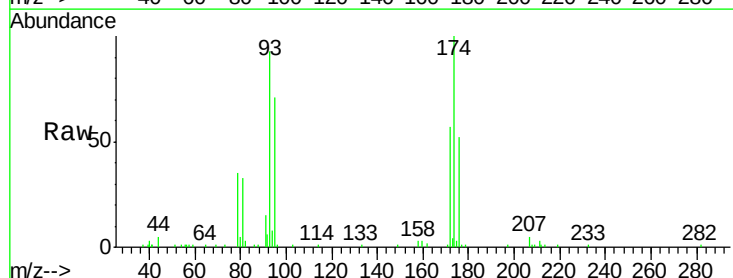
Tgt Ion: 93 Resp: 37731

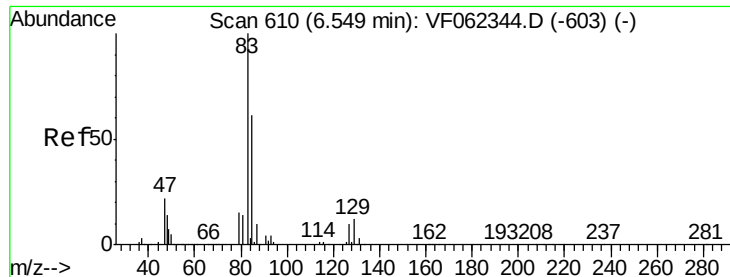
Ion Ratio Lower Upper

93 100

95 80.3 68.4 102.6

174 122.5 99.6 149.4





#47

Bromodichloromethane

Concen: 23.052 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

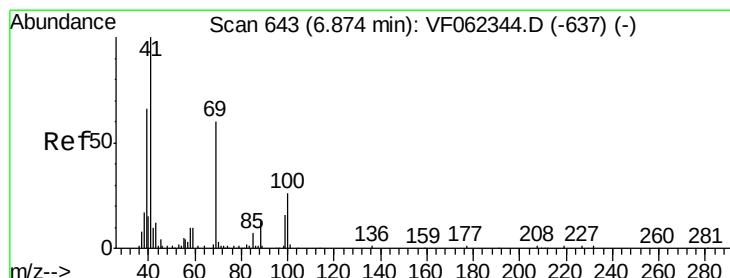
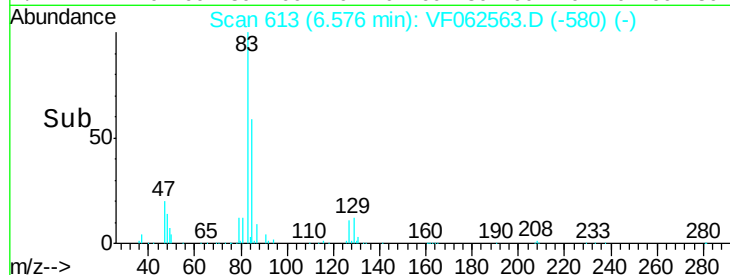
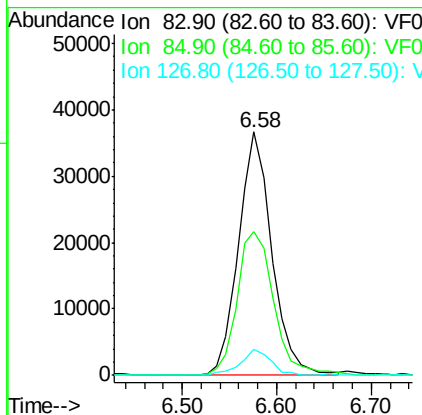
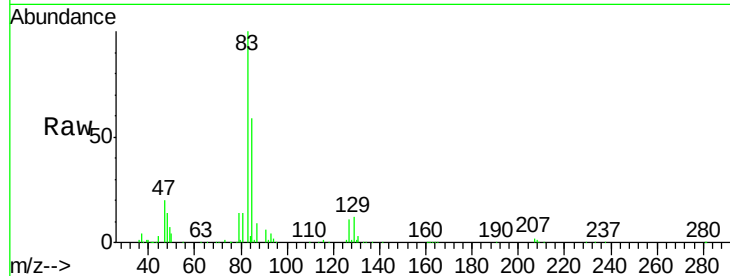
ClientSampleId :

VF0513SBS02

Tot Ion:	83	Resp:	89488
Ion Ratio	Lower	Upper	
83	100		
85	59.3	49.1	73.7
127	10.7	7.8	11.8

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#48

Methyl methacrylate

Concen: 20.849 ug/l

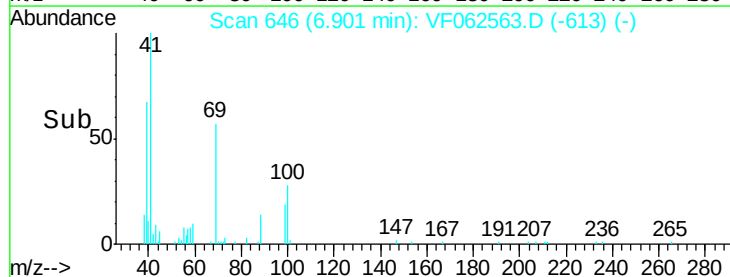
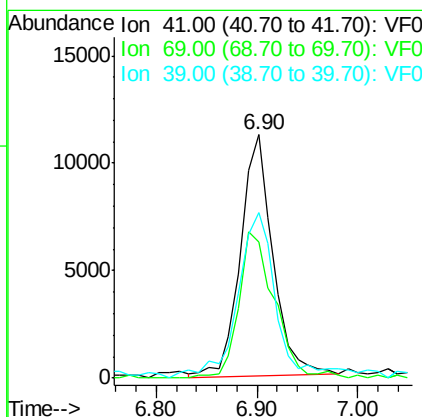
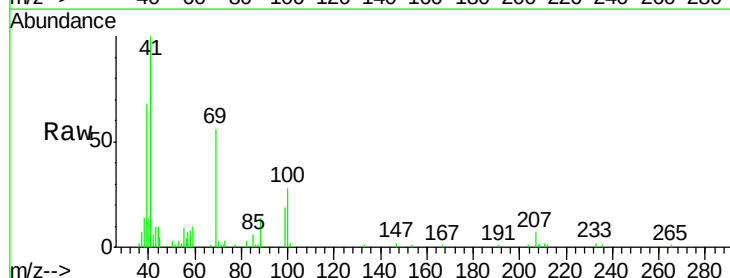
RT: 6.90 min Scan# 646

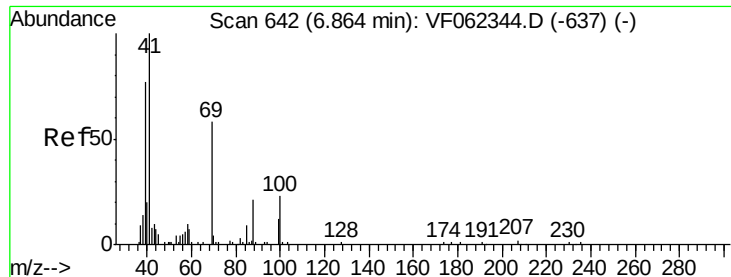
Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion:	41	Resp:	25163
Ion Ratio	Lower	Upper	
41	100		
69	66.6	48.6	72.8
39	84.0	56.1	84.1





#49

1,4-Dioxane

Concen: 392.461 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

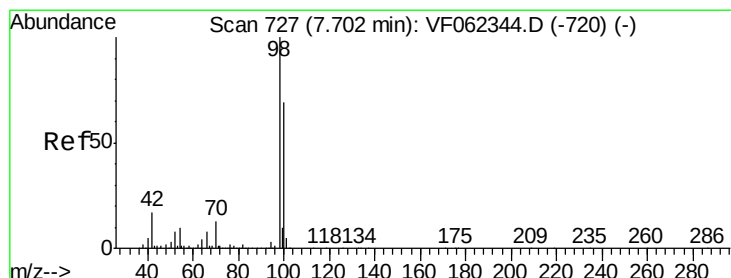
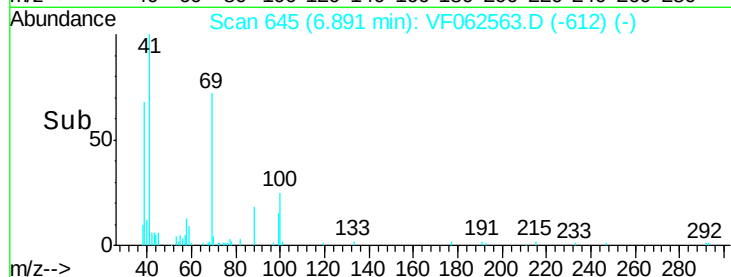
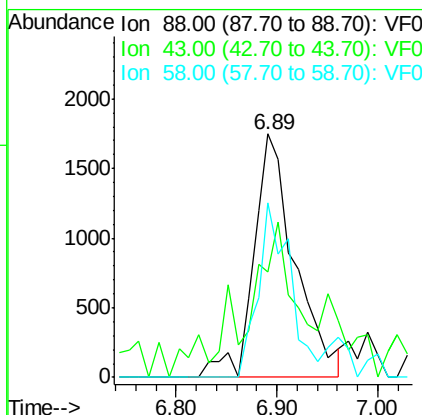
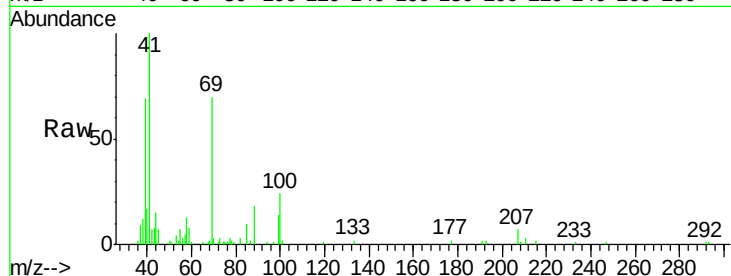
ClientSampleId :

VF0513SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	55.6	83.4#
58	55.9	52.8	79.2

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#50

Toluene-d8

Concen: 44.015 ug/l

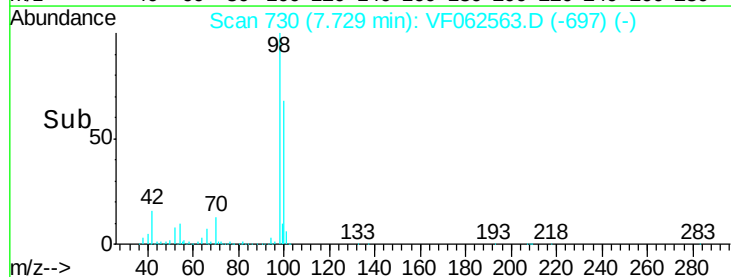
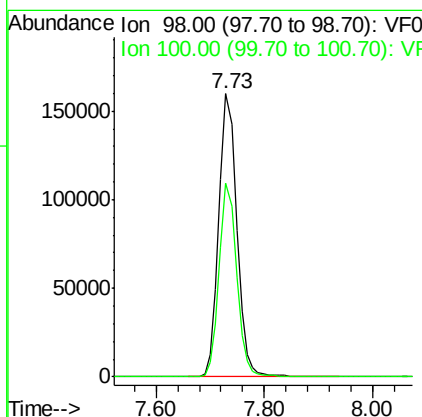
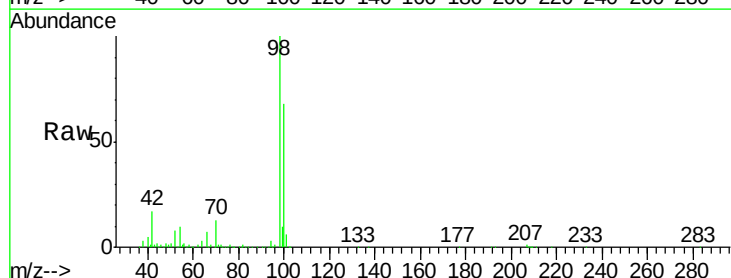
RT: 7.73 min Scan# 730

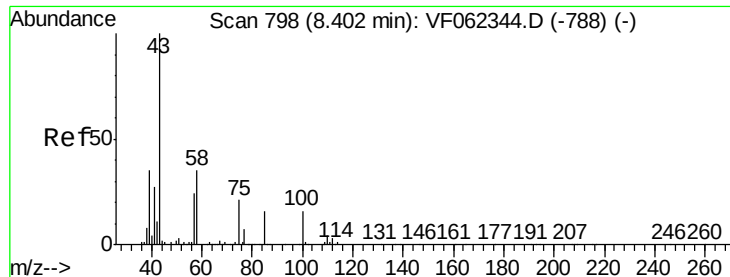
Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 116.232 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion: 43 Resp: 150414

Ion Ratio Lower Upper

43 100

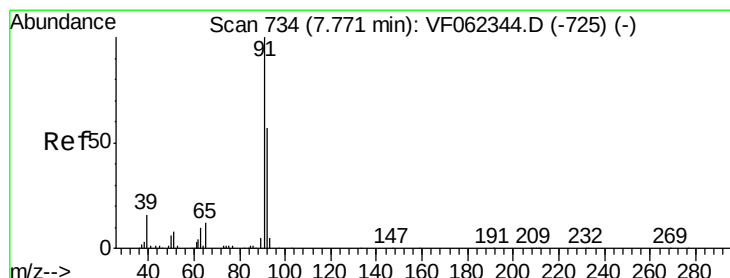
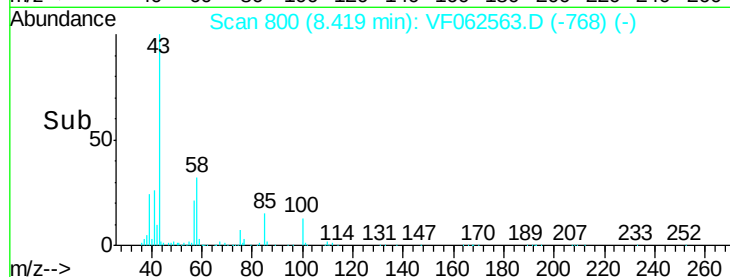
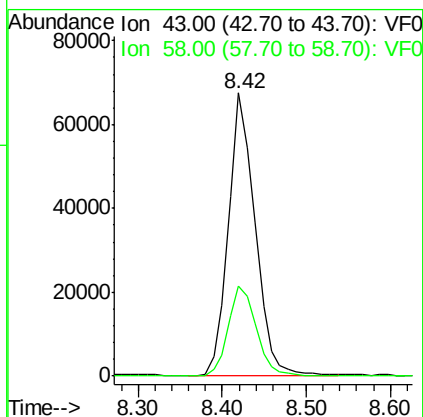
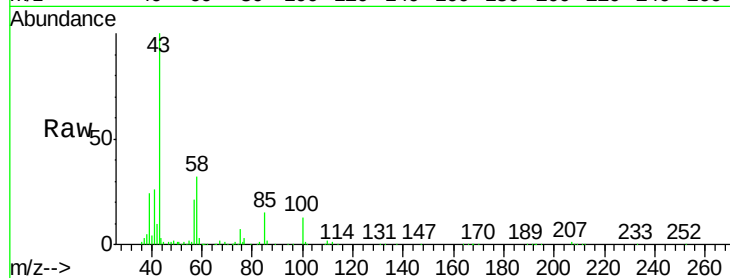
58 33.2 27.8 41.6

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#52

Toluene

Concen: 23.514 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062563.D

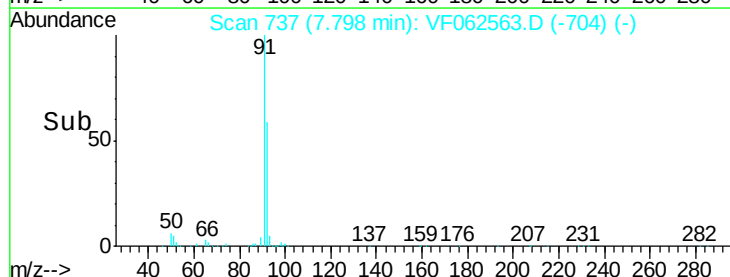
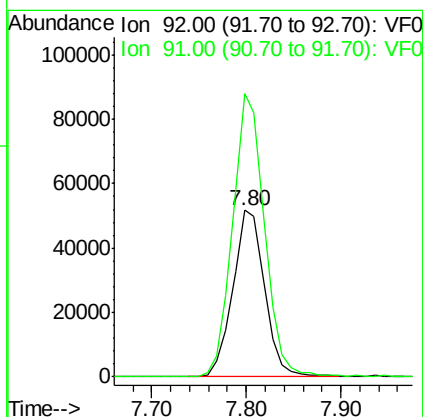
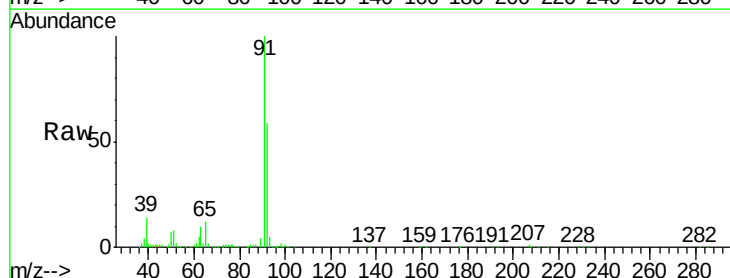
Acq: 14 May 2019 2:39

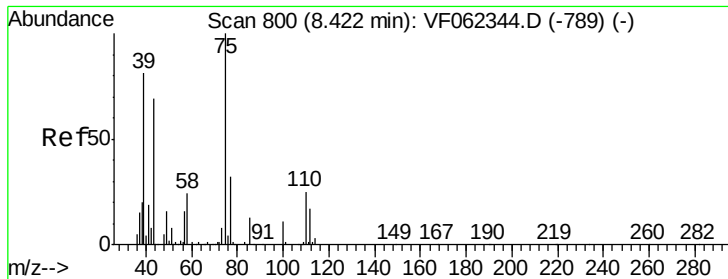
Tgt Ion: 92 Resp: 119936

Ion Ratio Lower Upper

92 100

91 171.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 23.192 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion: 75 Resp: 68094

Ion Ratio Lower Upper

75 100

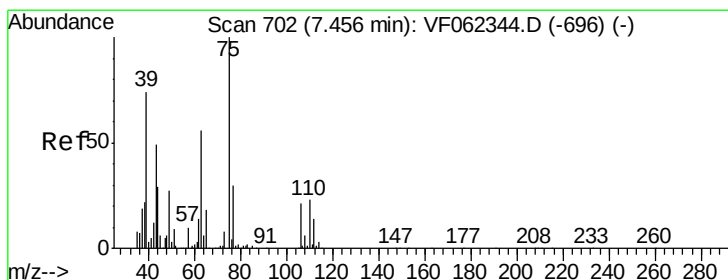
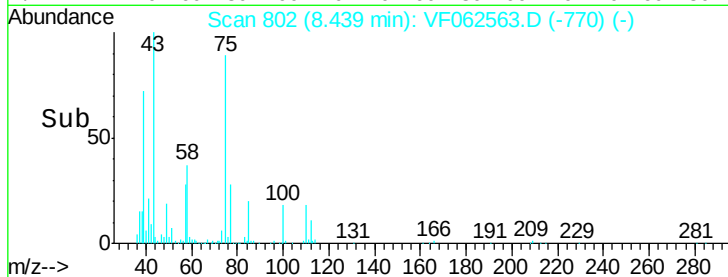
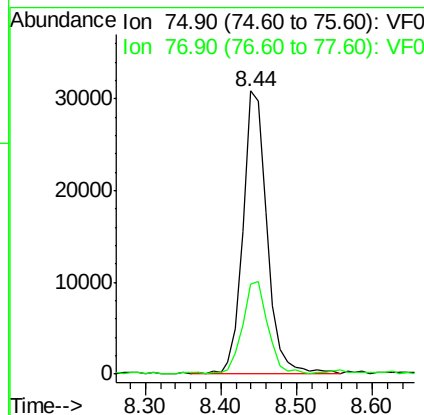
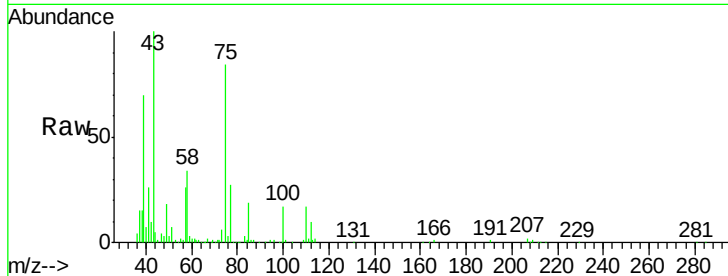
77 31.1 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 22.922 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

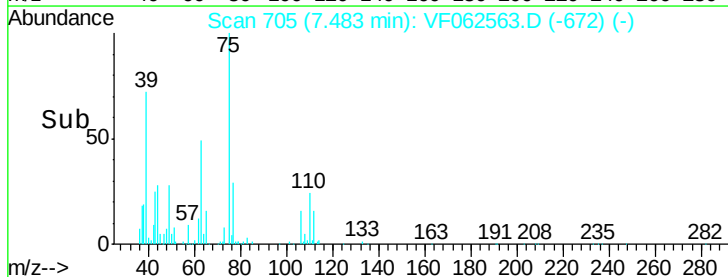
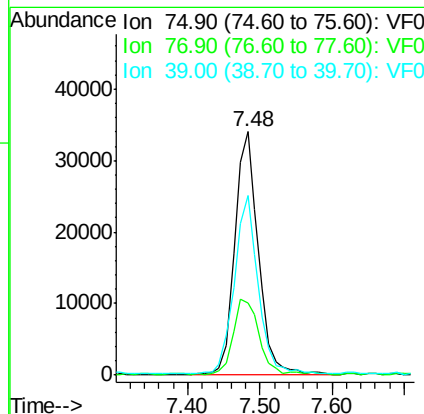
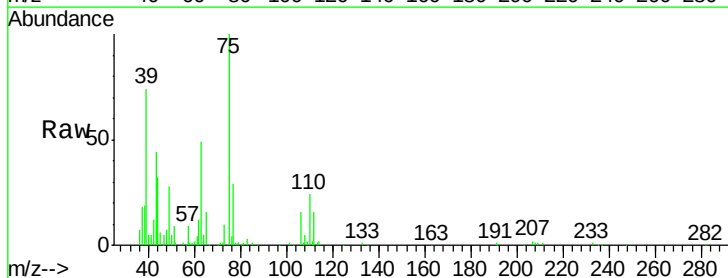
Tgt Ion: 75 Resp: 78328

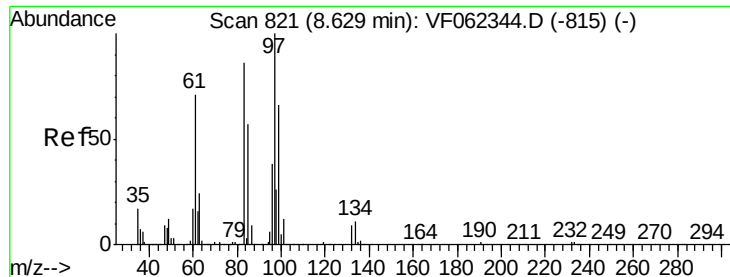
Ion Ratio Lower Upper

75 100

77 29.4 24.0 36.0

39 73.1 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 25.496 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

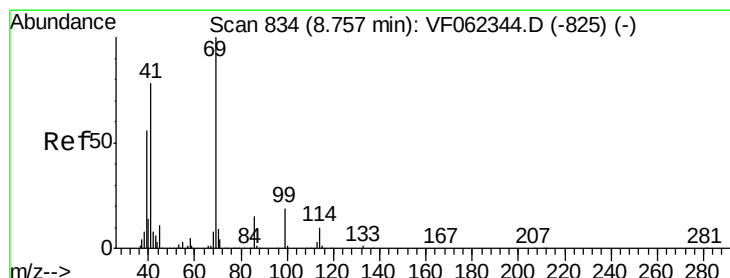
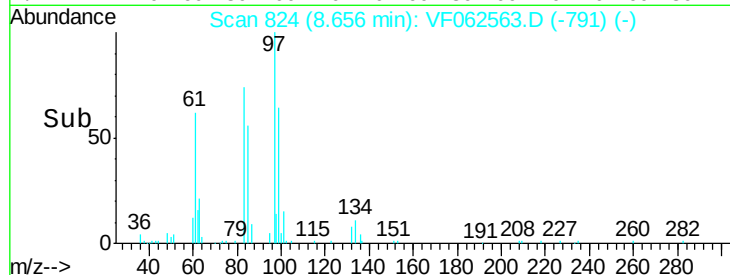
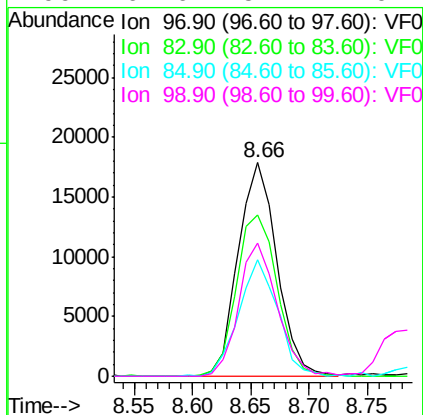
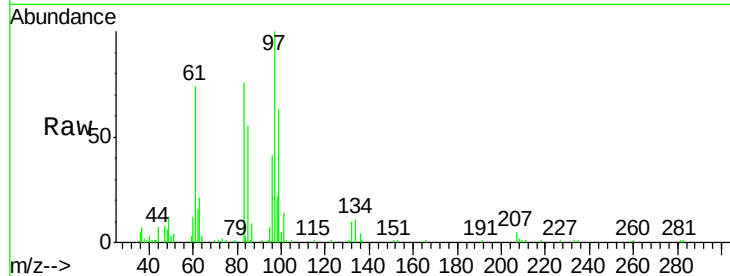
ClientSampleId :

VF0513SBS02

Tot Ion:	97	Resp:	41282
Ion	Ratio	Lower	Upper
97	100		
83	75.5	68.5	102.7
85	53.9	45.4	68.2
99	62.6	52.7	79.1

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#56

Ethyl methacrylate

Concen: 21.377 ug/l

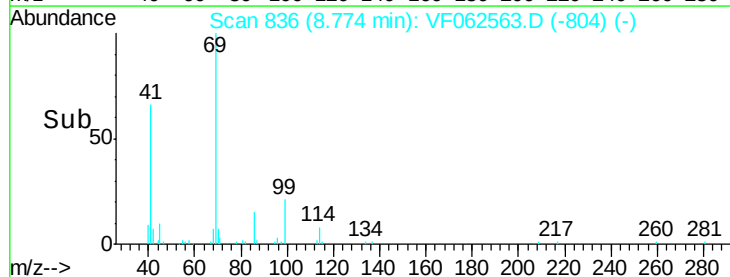
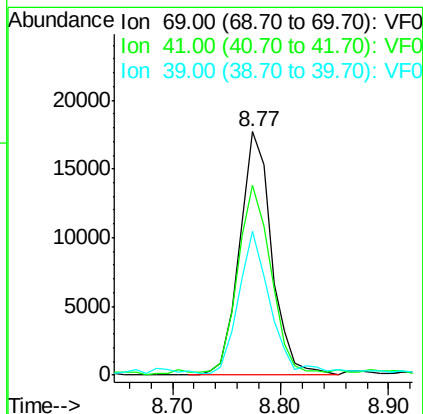
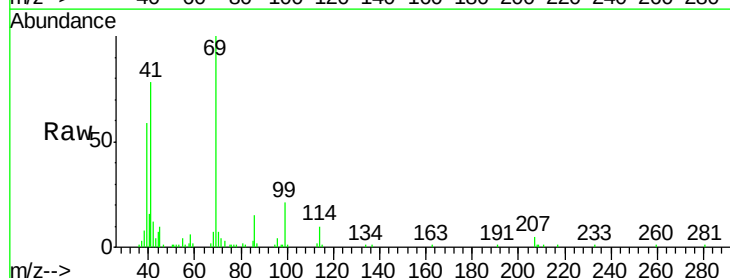
RT: 8.77 min Scan# 836

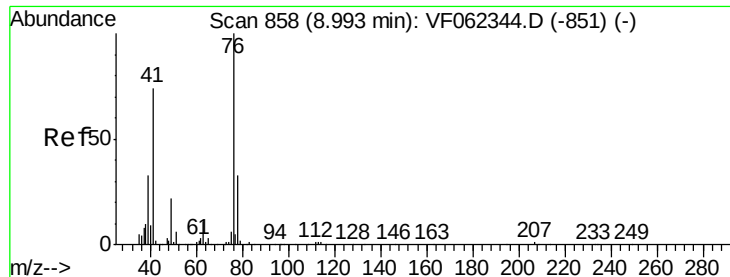
Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion:	69	Resp:	36538
Ion	Ratio	Lower	Upper
69	100		
41	79.3	66.3	99.5
39	58.1	50.1	75.1





#57

1,3-Dichloropropane

Concen: 23.752 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.03 min

Lab File: VF062563.D

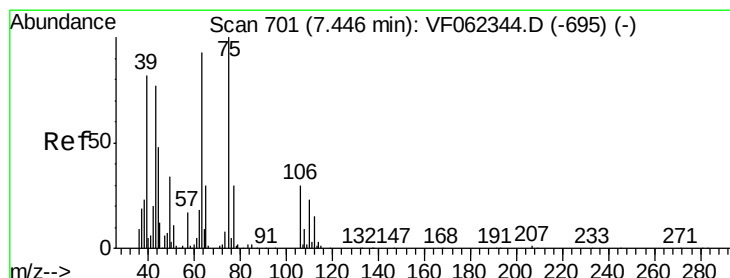
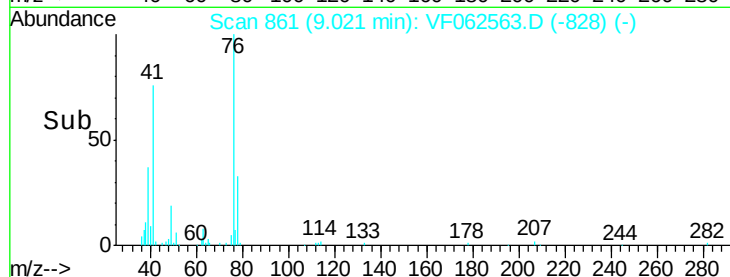
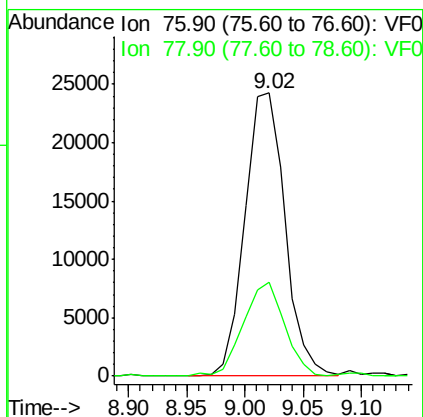
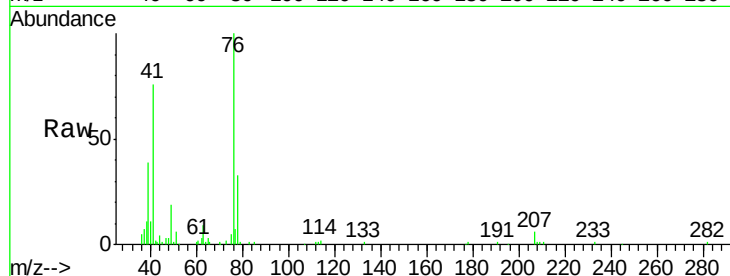
Acq: 14 May 2019 2:39

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.8	26.4	39.6

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

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#58

2-Chloroethyl Vinyl ether

Concen: 103.529 ug/l

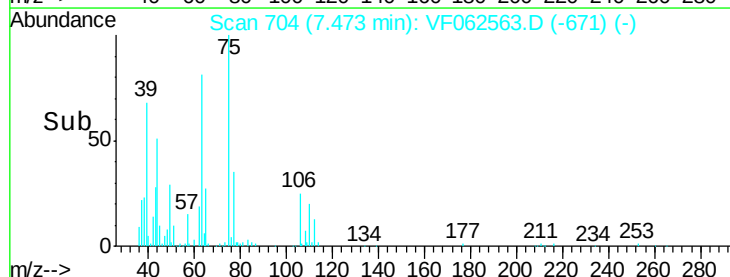
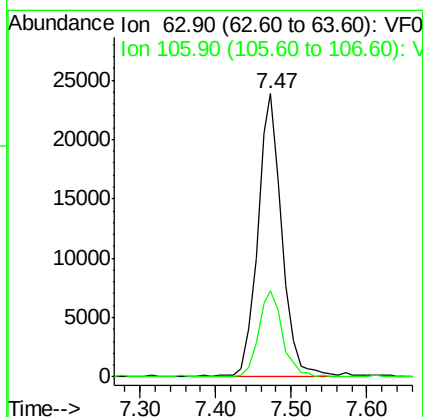
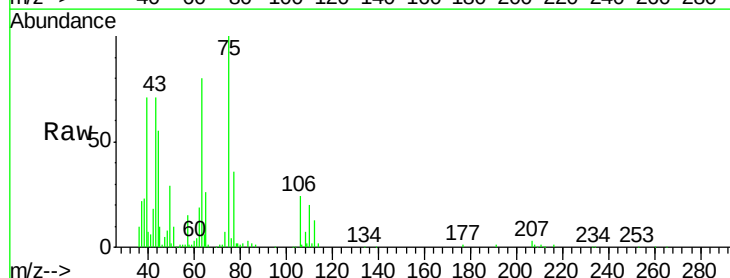
RT: 7.47 min Scan# 704

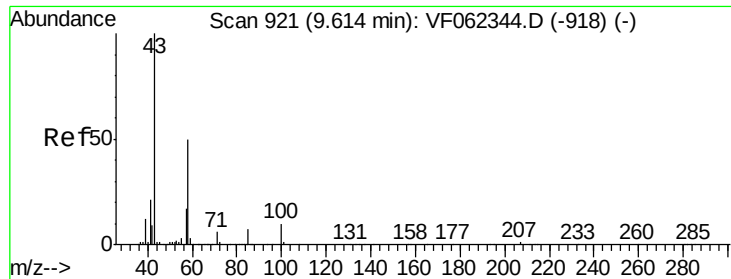
Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	25.8	38.8





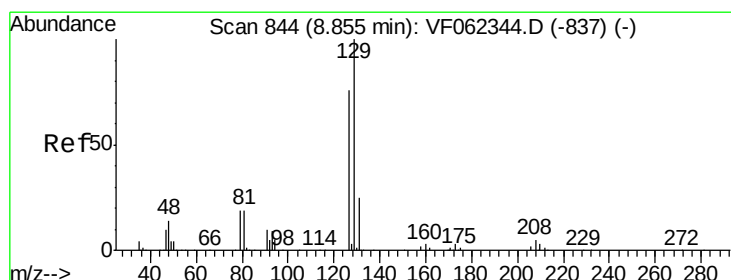
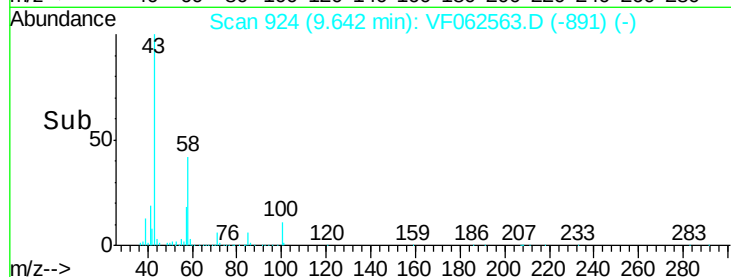
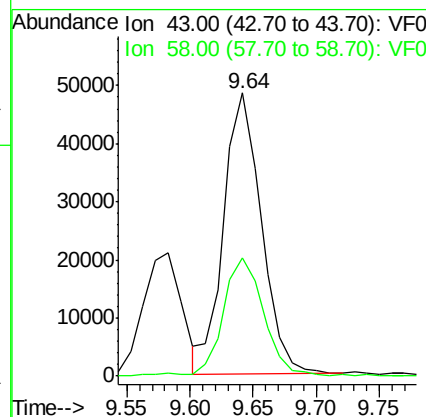
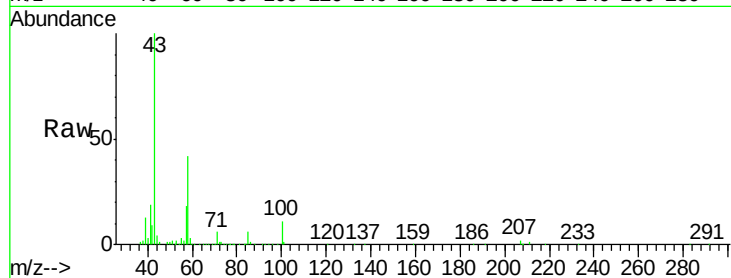
#59
2-Hexanone
Concen: 111.628 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.03 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion: 43 Resp: 99906
Ion Ratio Lower Upper
43 100
58 46.6 24.3 73.0

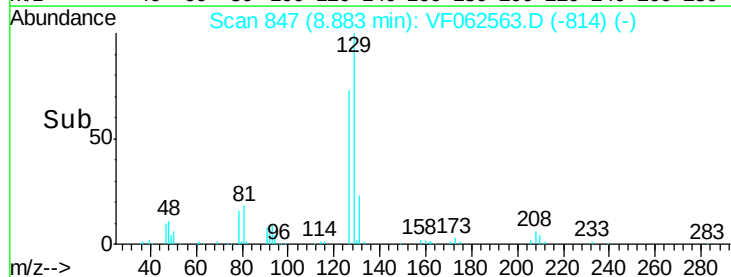
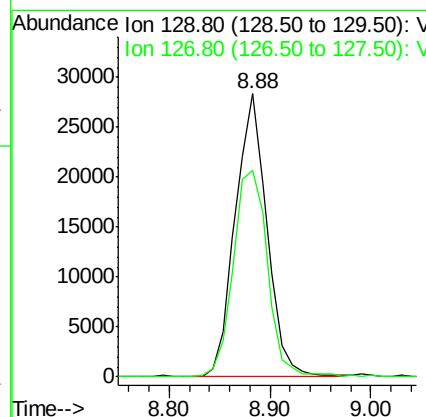
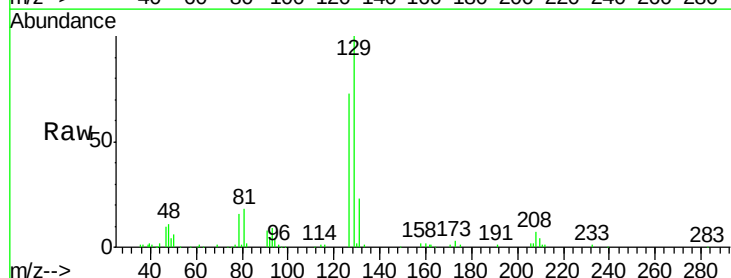
Manual Integrations
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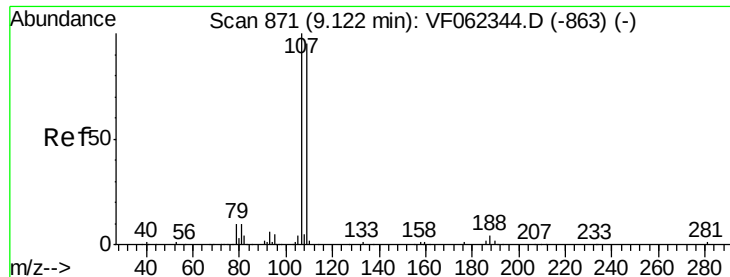
MMDadoda
5/14/2019 11:05:11 AM



#60
Dibromochloromethane
Concen: 23.529 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.03 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion: 129 Resp: 62309
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 24.102 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.03 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion:107 Resp: 45868

Ion Ratio Lower Upper

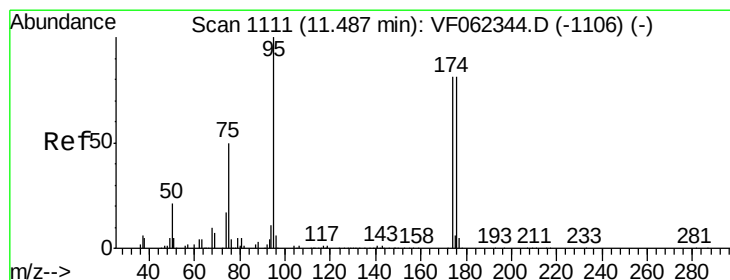
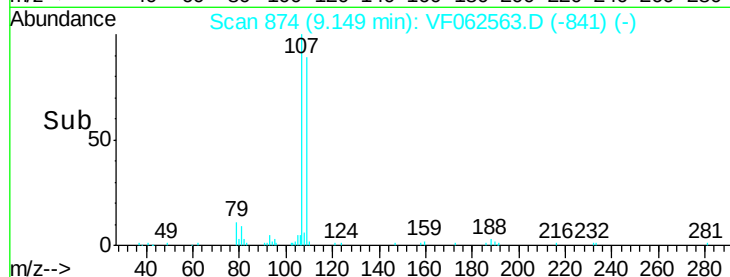
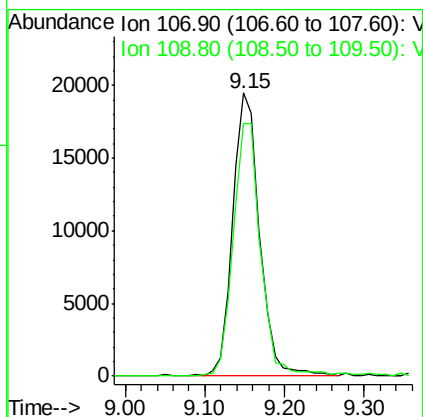
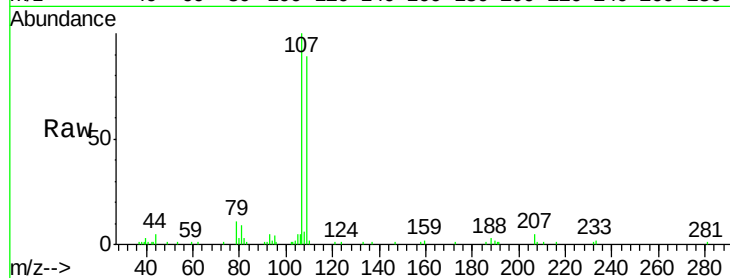
107 100

109 92.0 75.2 112.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.047 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

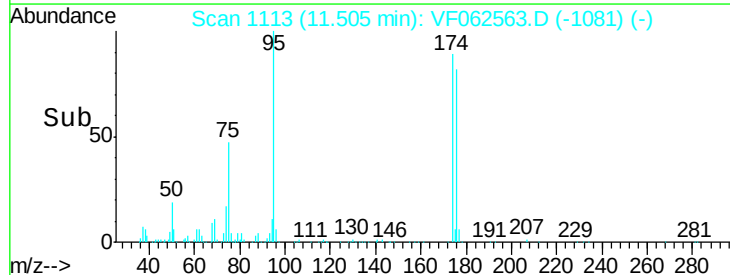
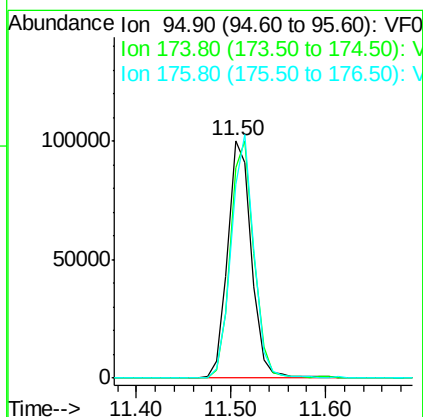
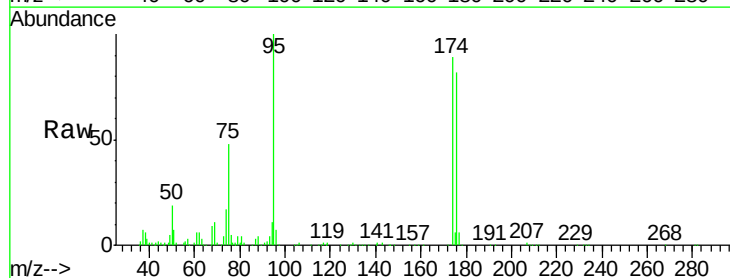
Tgt Ion: 95 Resp: 175110

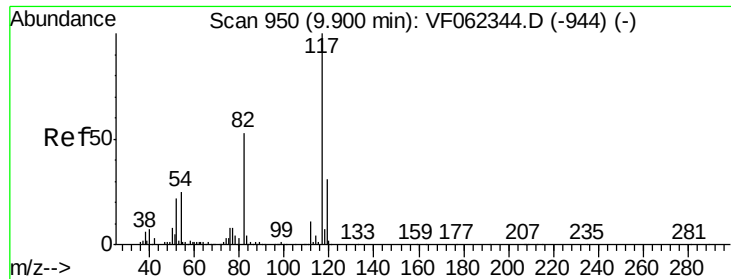
Ion Ratio Lower Upper

95 100

174 98.4 0.0 191.8

176 97.0 0.0 193.2





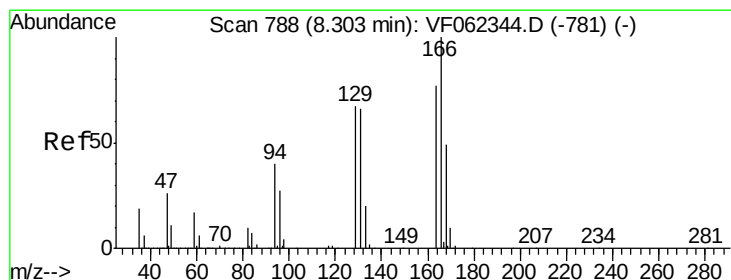
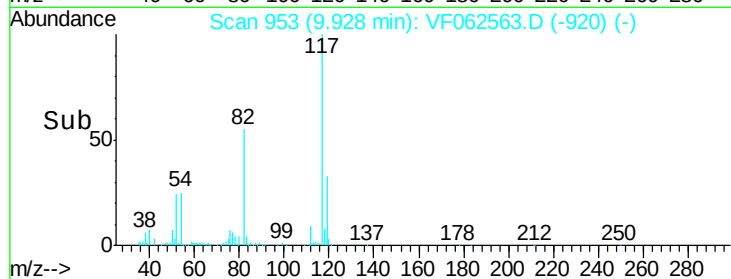
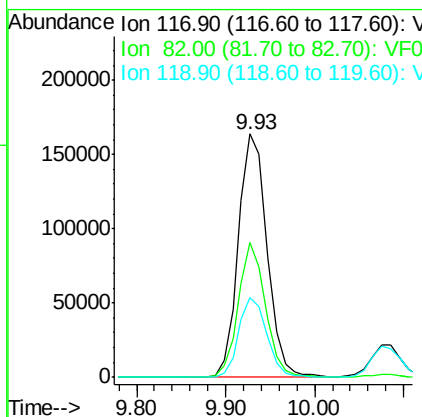
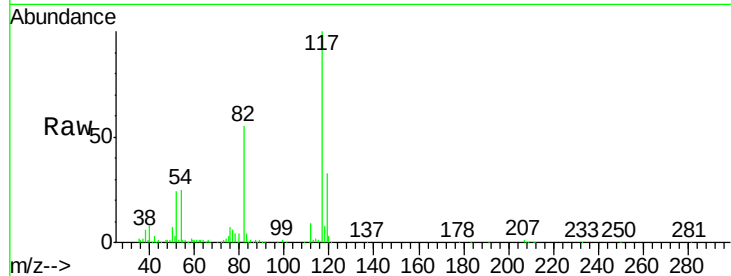
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	368049		
82	55.5		42.2	63.2
119	32.9		25.0	37.4

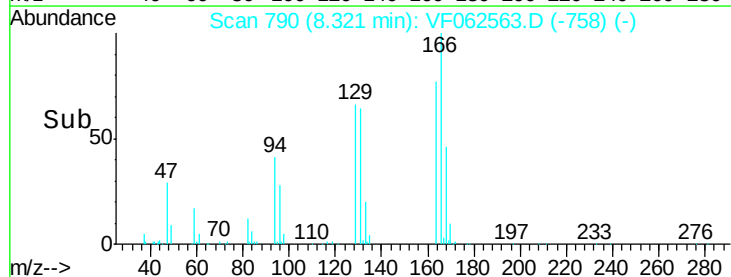
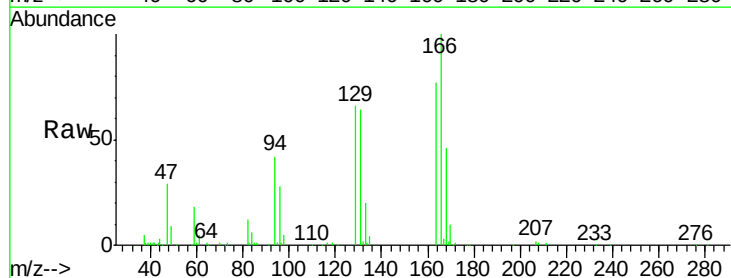
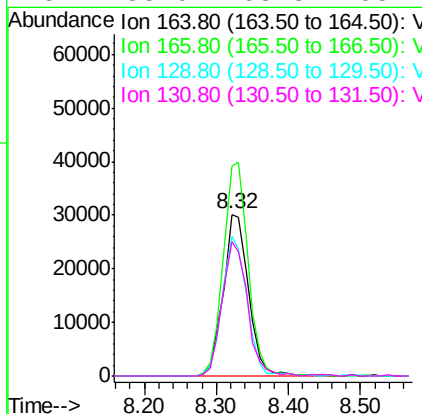
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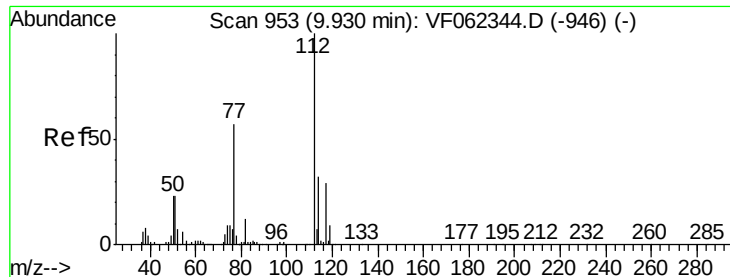
MMDadoda
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#64
Tetrachloroethene
Concen: 24.518 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73258		
166	129.8		104.2	156.4
129	86.2		69.6	104.4
131	83.0		68.8	103.2





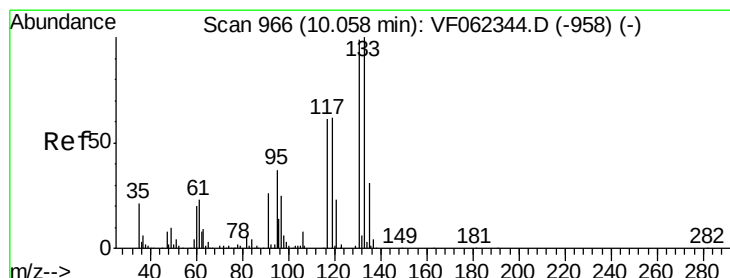
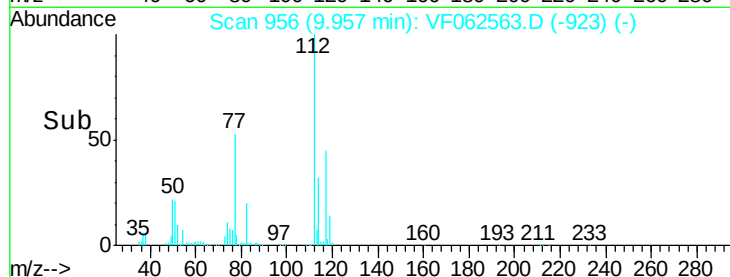
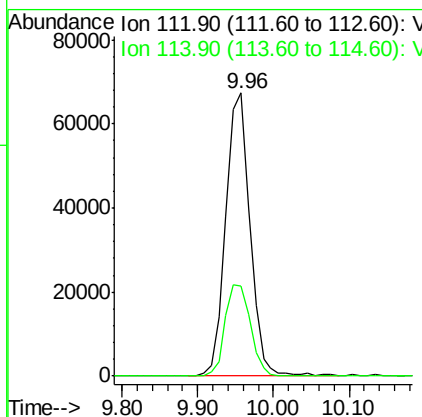
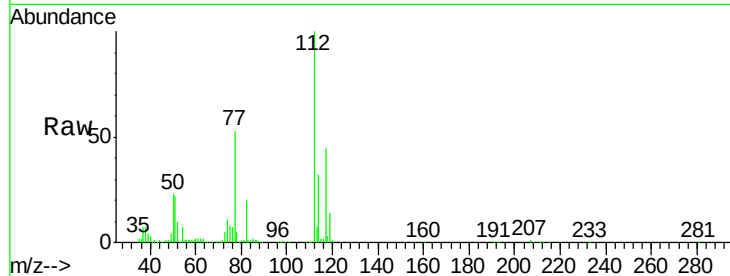
#65
Chlorobenzene
Concen: 24.495 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.03 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	149165		
114	31.9	25.4	38.0	

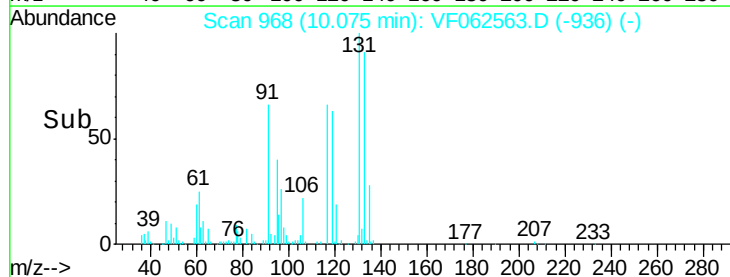
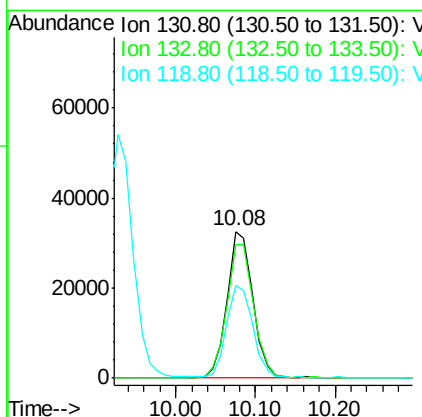
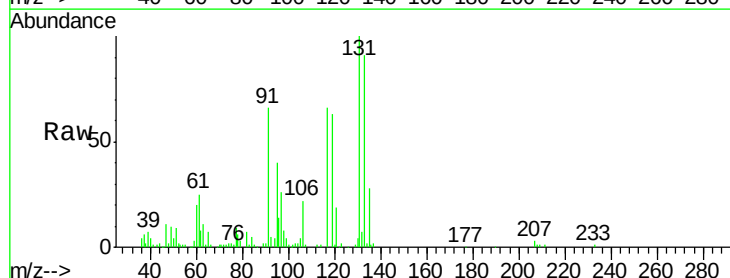
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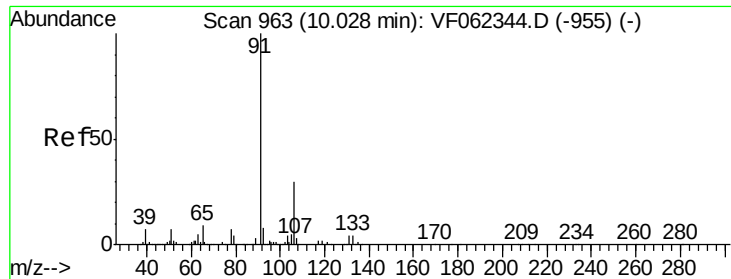
MMDadoda
5/14/2019 11:05:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.228 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	74429		
133	95.7	50.2	150.7	
119	65.6	31.6	95.0	





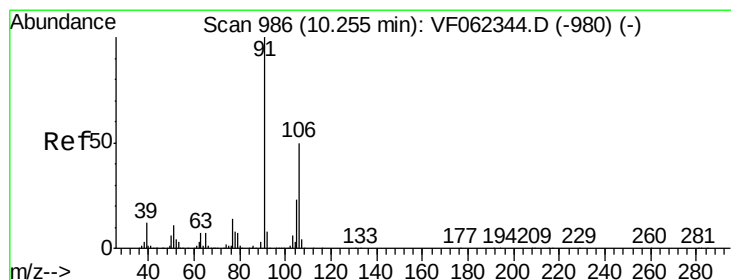
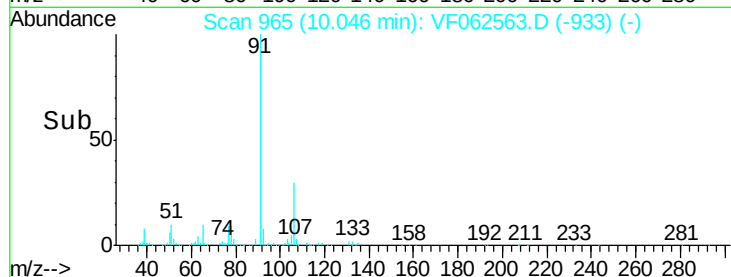
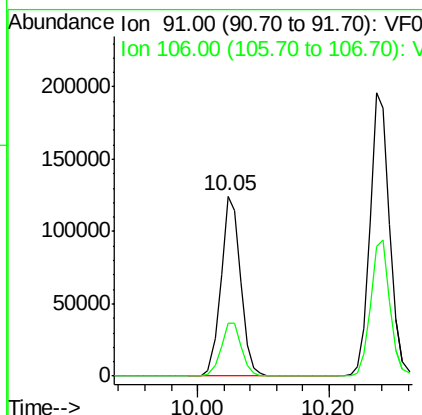
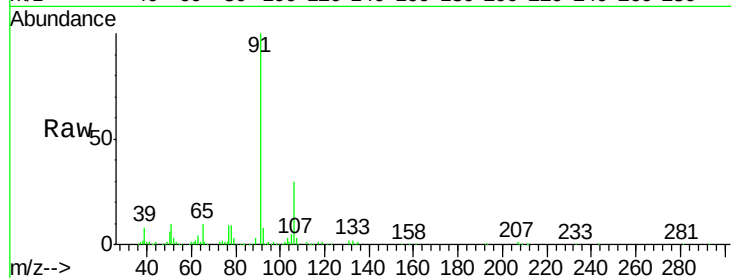
#67
Ethyl Benzene
Concen: 24.418 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.1	36.1

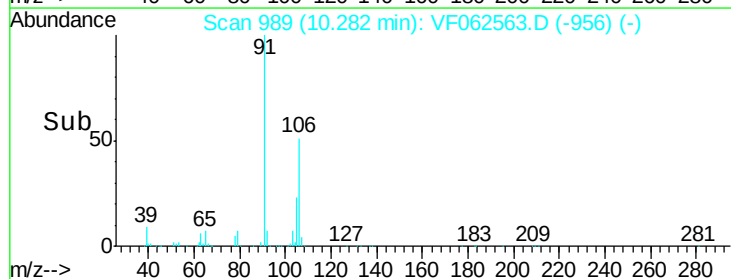
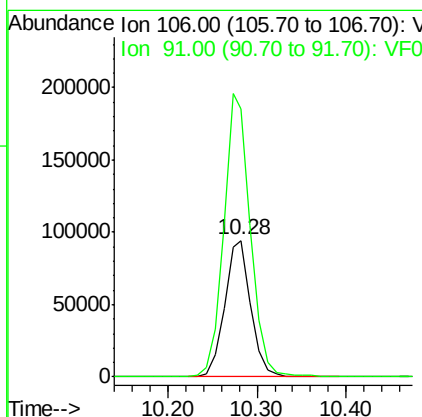
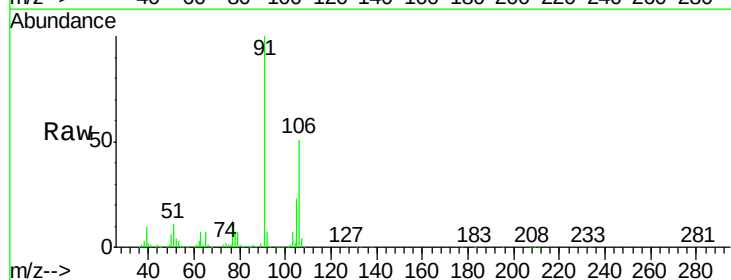
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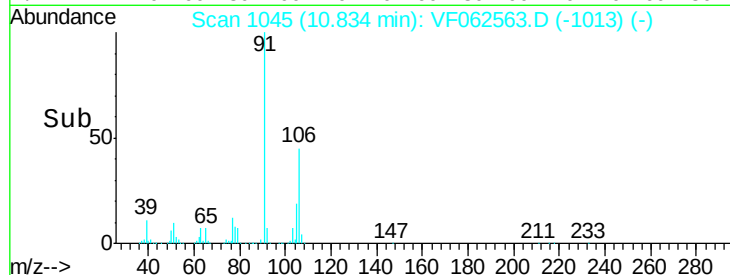
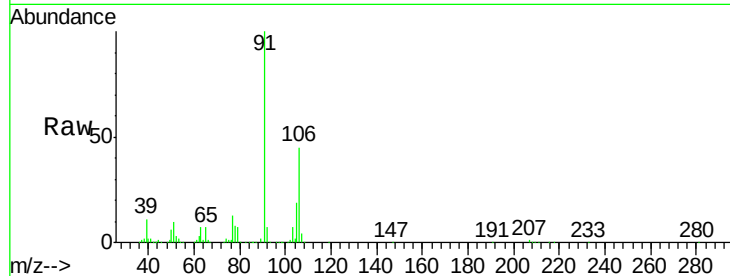
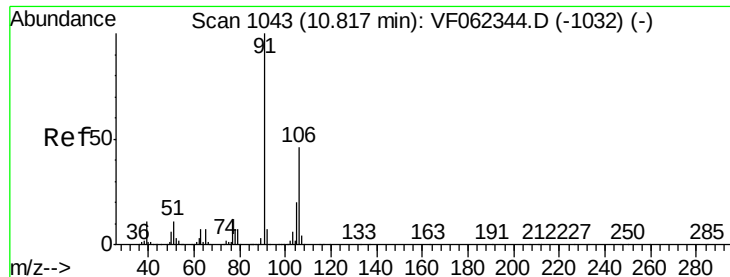
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#68
m/p-Xylenes
Concen: 49.324 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.03 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.7	167.4	251.2





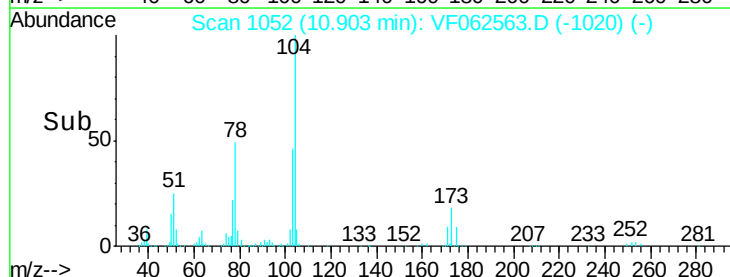
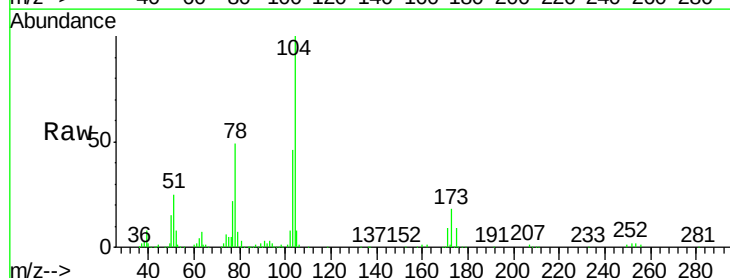
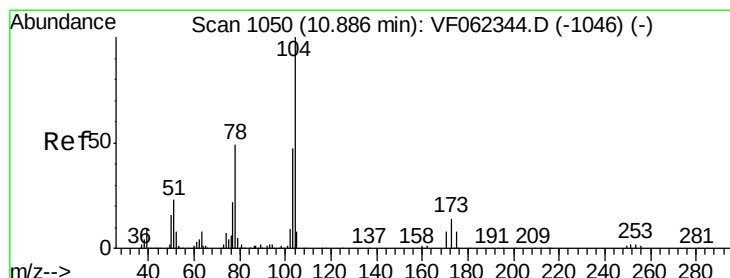
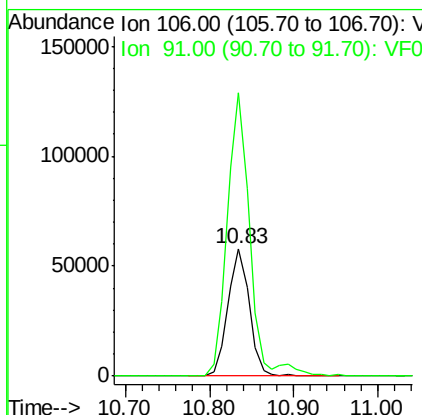
#69
o-Xylene
Concen: 24.295 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tot Ion	Ratio	Resp	Lower	Upper
106	100	103287		
91	221.5	111.3	333.8	

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

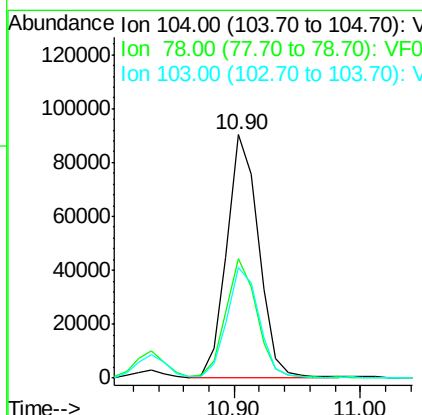
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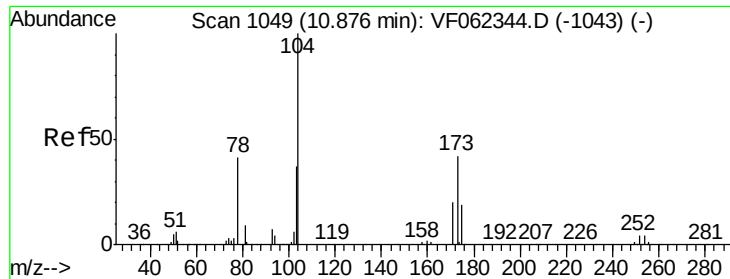
MMDadoda
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#70
Styrene
Concen: 24.594 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	156706		
78	48.5	39.5	59.3	
103	46.5	38.4	57.6	





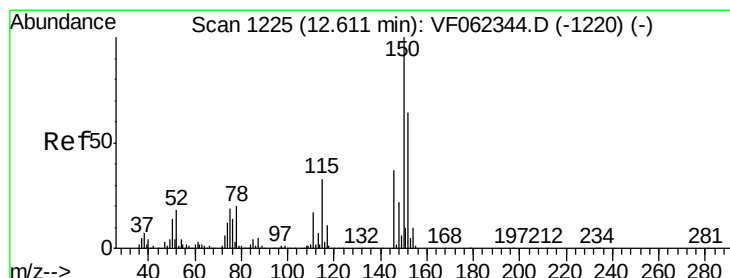
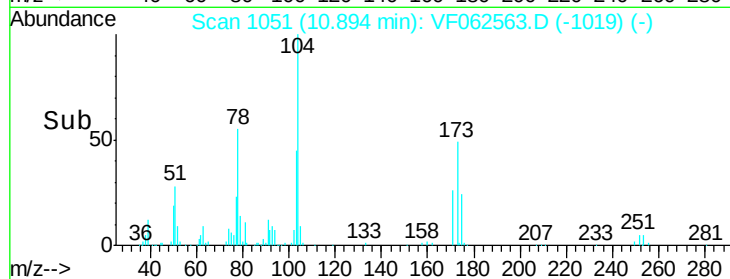
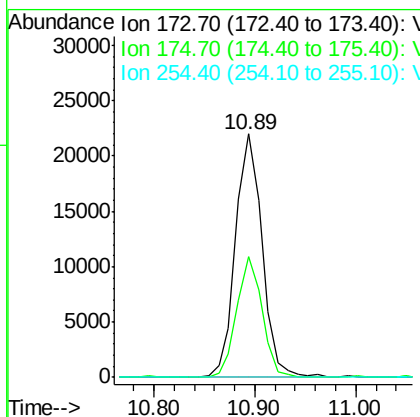
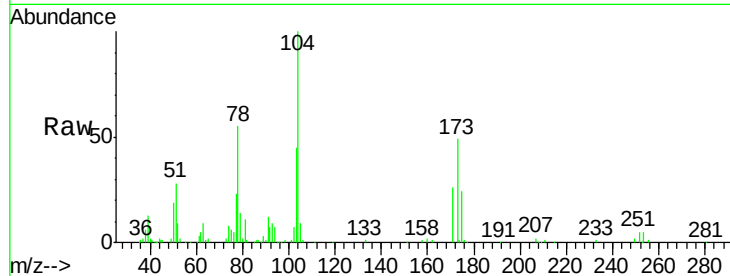
#71
Bromoform
Concen: 23.921 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.8	71.2
254	0.0	0.1	0.1#

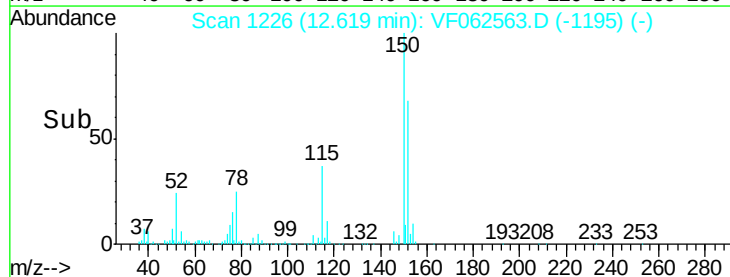
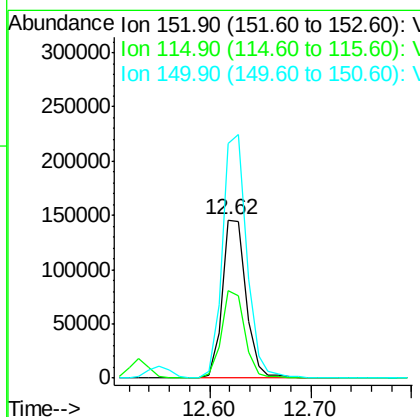
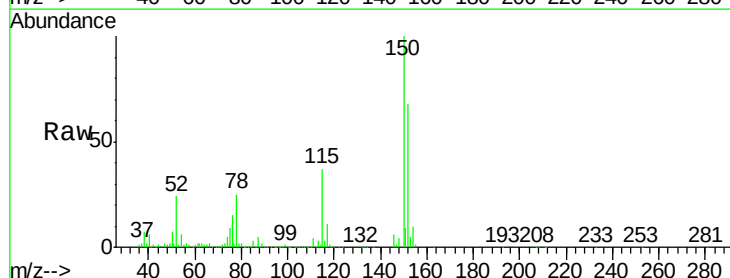
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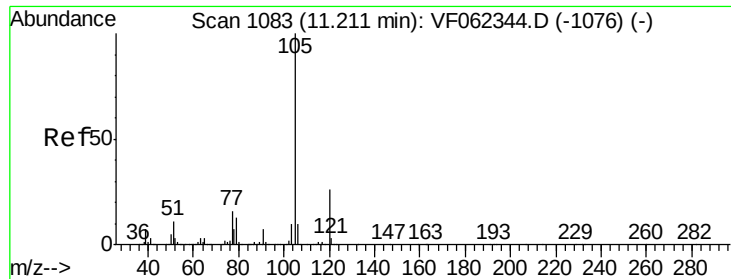
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	26.4	79.2
150	158.4	0.0	335.0





#73

Isopropylbenzene

Concen: 23.193 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

ClientSampleId :

VF0513SBS02

Tot Ion:105 Resp: 330814

Ion Ratio Lower Upper

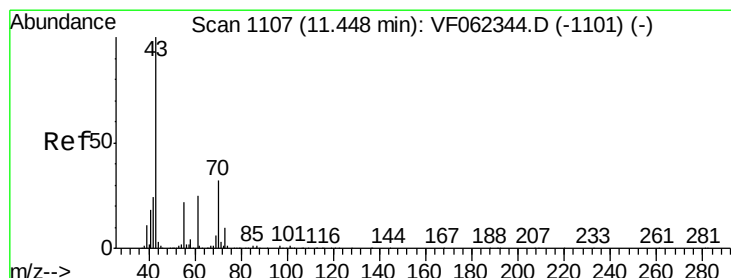
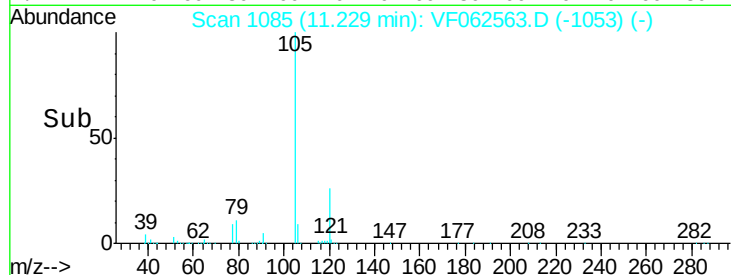
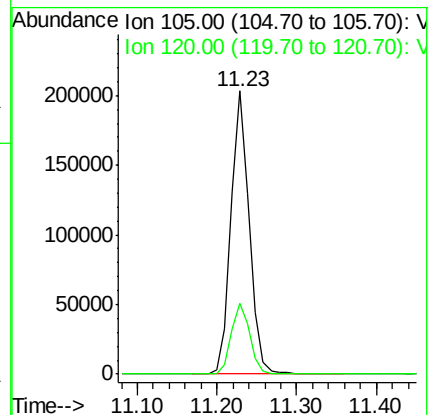
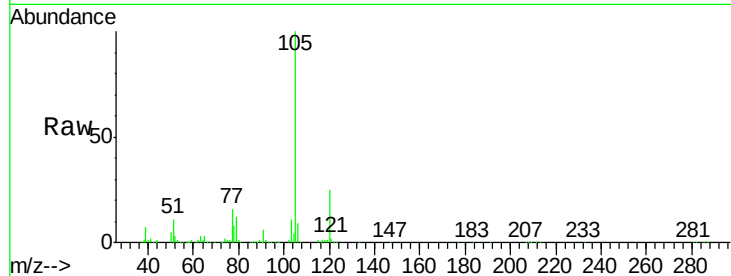
105 100

120 25.3 12.7 38.0

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#74

N-ethyl acetate

Concen: 19.839 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion: 43 Resp: 60750

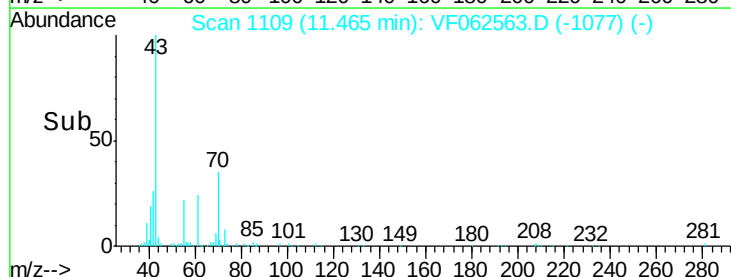
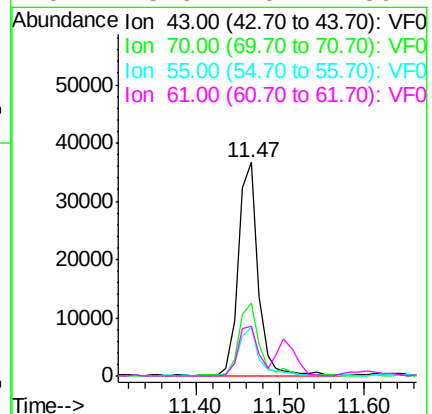
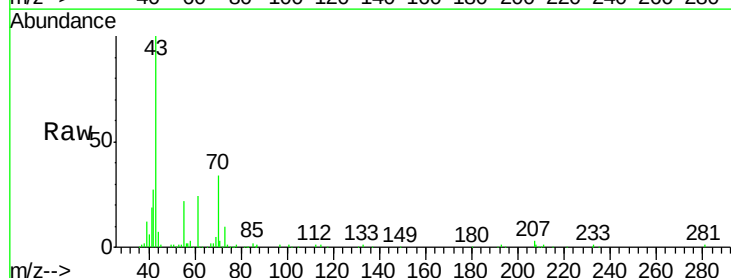
Ion Ratio Lower Upper

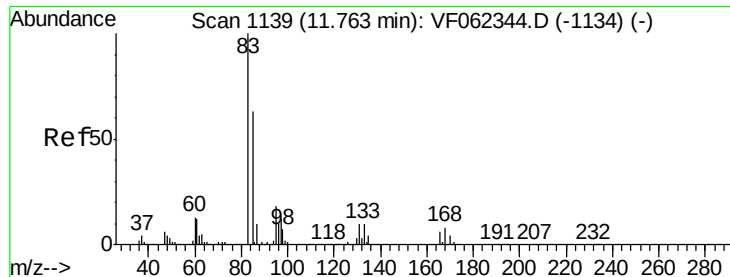
43 100

70 36.3 26.5 39.7

55 24.2 17.8 26.6

61 23.6 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 24.207 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

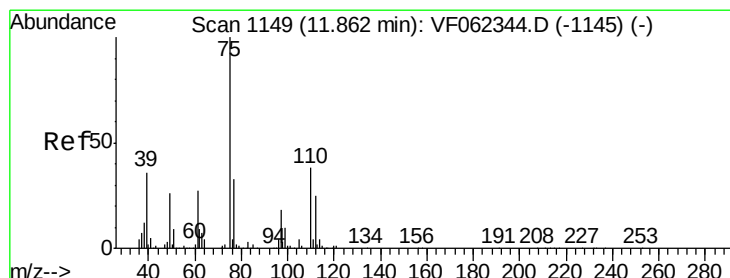
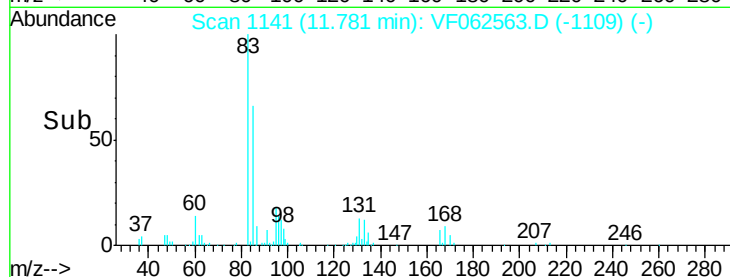
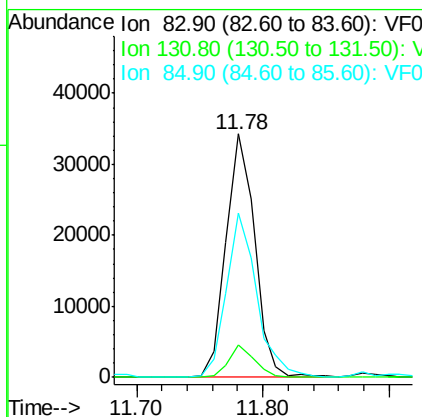
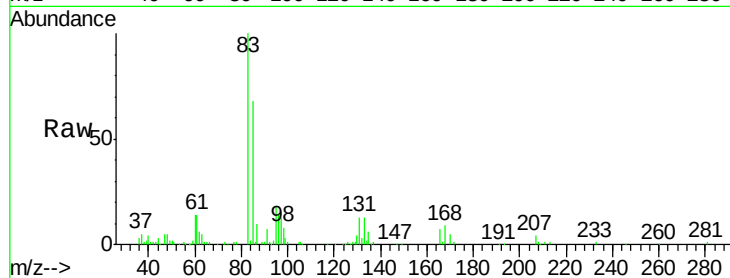
ClientSampleId :

VF0513SBS02

Tot Ion:	83	Resp:	54062
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.8	17.4
85	71.5	35.3	105.7

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#76

1,2,3-Trichloropropane

Concen: 22.908 ug/l

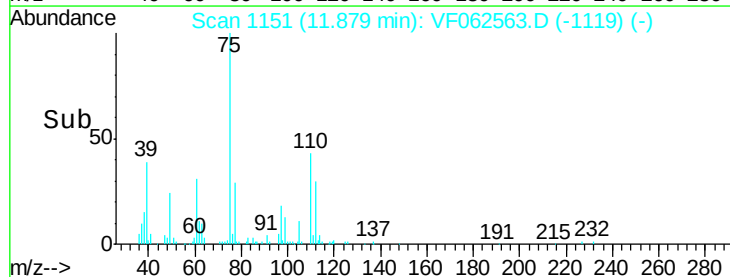
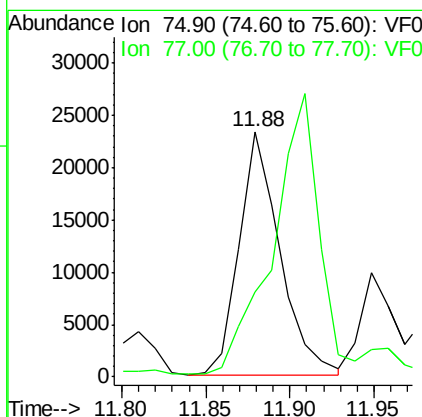
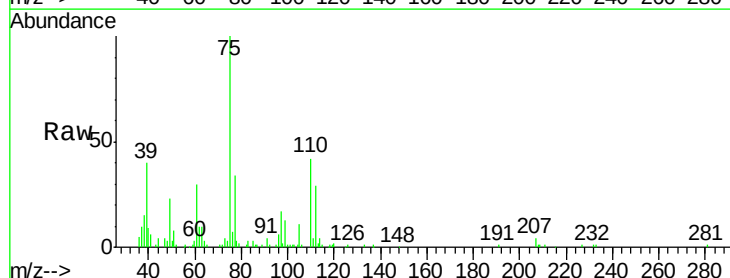
RT: 11.88 min Scan# 1151

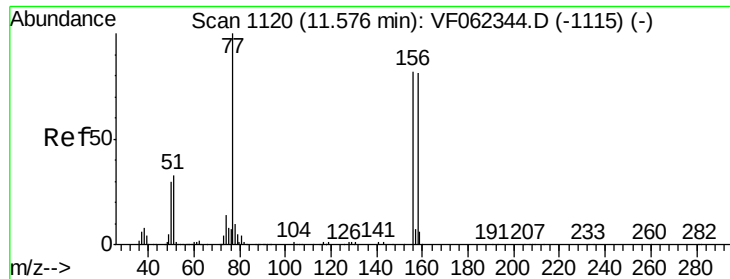
Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion:	75	Resp:	39031
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





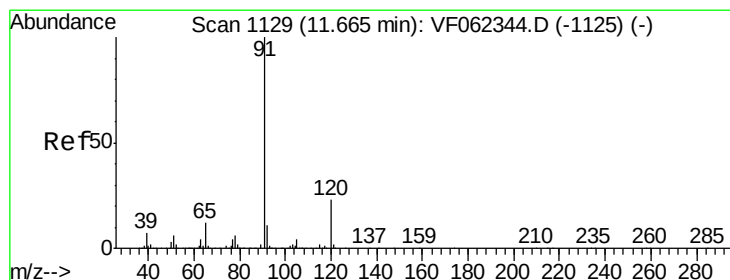
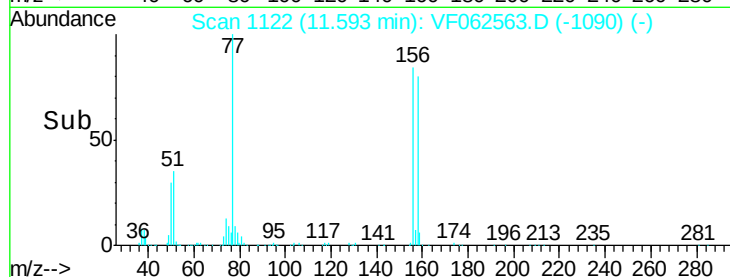
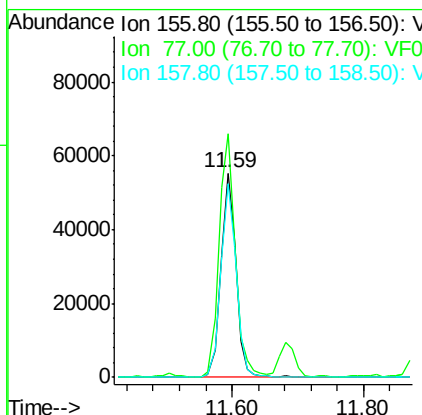
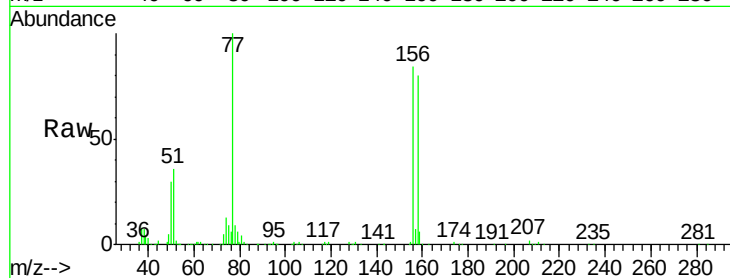
#77
Bromobenzene
Concen: 23.686 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	126.2	64.8	194.3
158	97.1	49.1	147.3

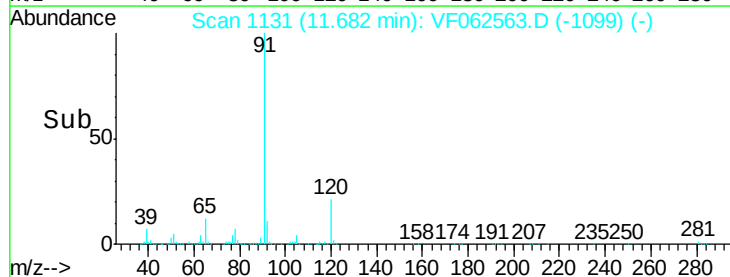
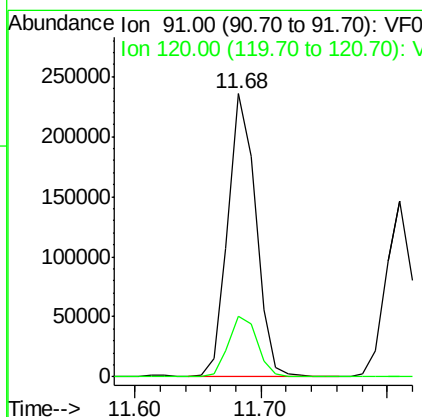
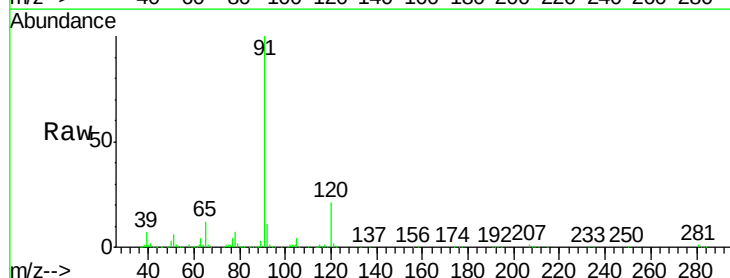
Manual Integrations
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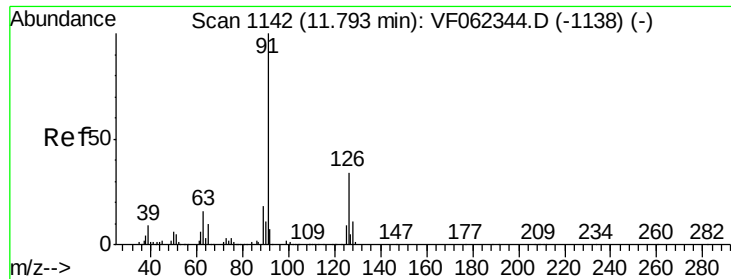
MMDadoda
5/14/2019 11:05:11 AM



#78
n-propylbenzene
Concen: 23.742 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.9	35.5





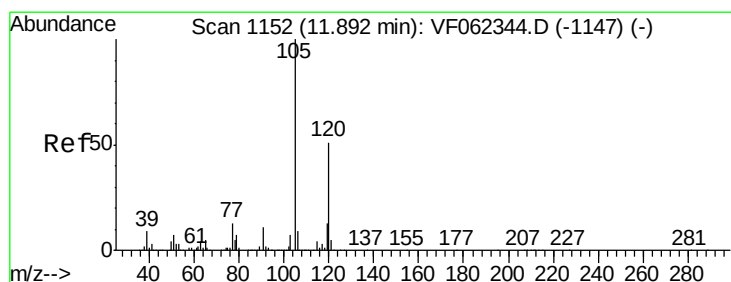
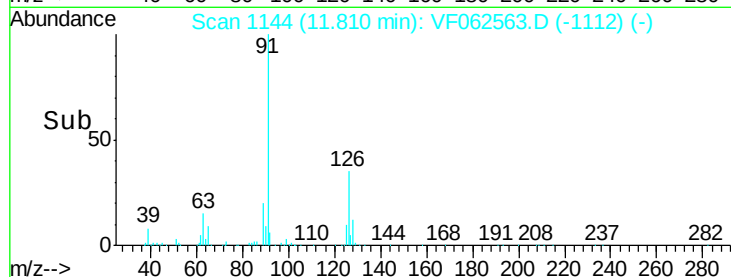
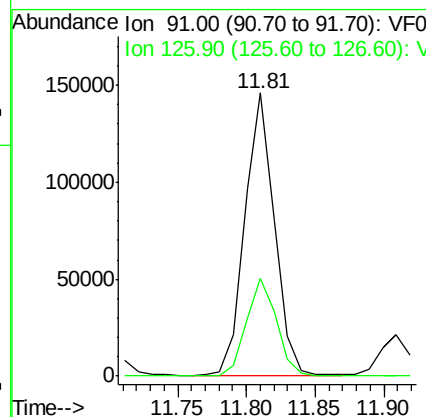
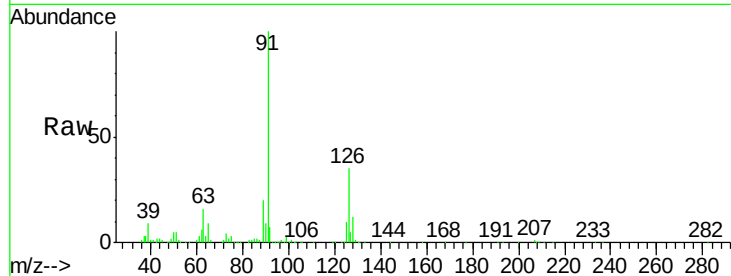
#79
2-Chlorotoluene
Concen: 23.280 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion: 91 Resp: 219826
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.4

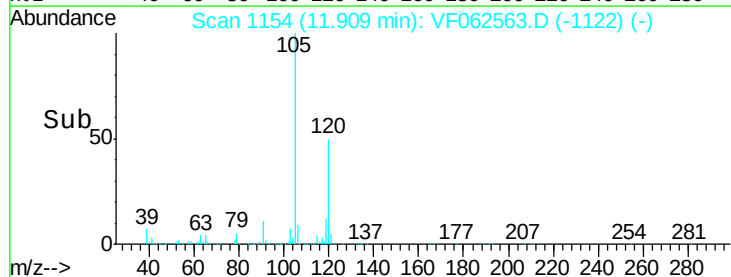
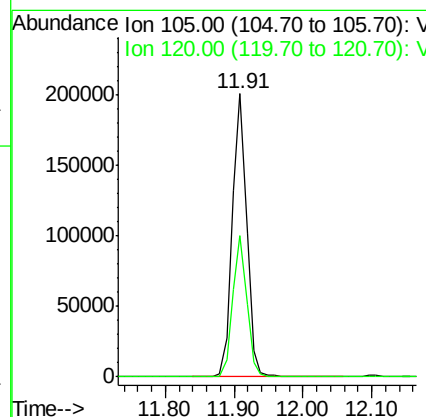
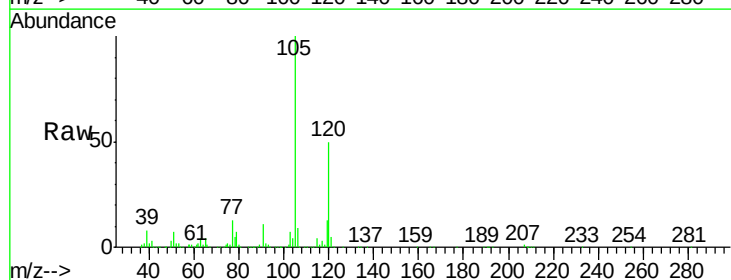
Manual Integrations
APPROVED

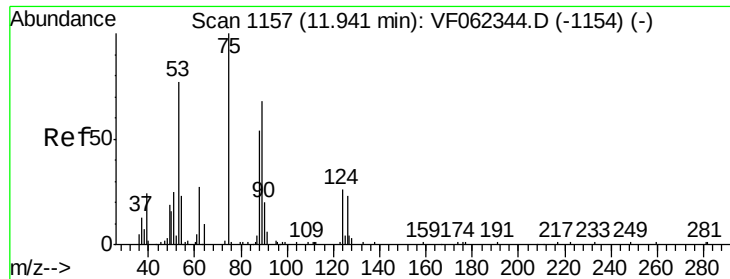
MMDadoda
5/14/2019 11:05:11 AM



#80
1,3,5-Trimethylbenzene
Concen: 23.237 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion:105 Resp: 290502
Ion Ratio Lower Upper
105 100
120 48.8 24.6 74.0





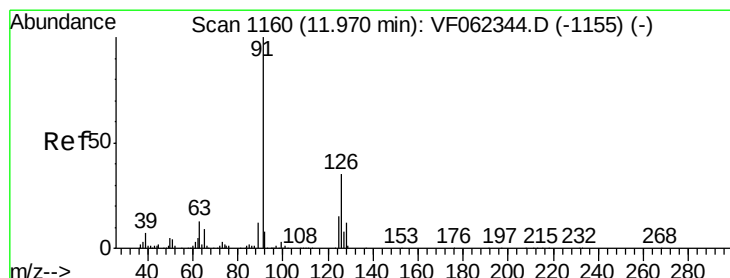
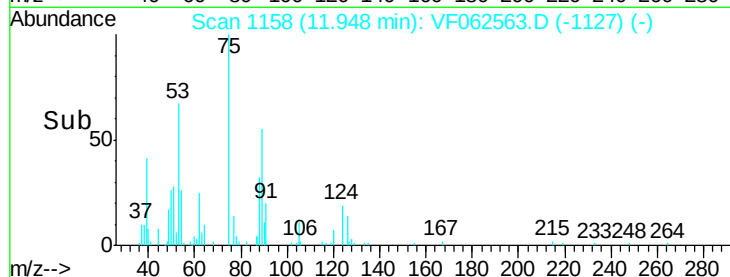
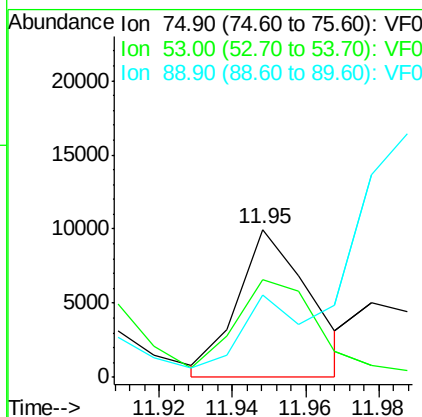
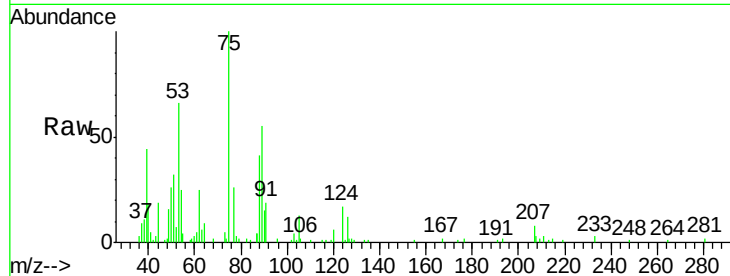
#81
trans-1,4-Dichloro-2-butene
Concen: 21.360 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. 0.01 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.6	71.9	107.9
89	0.0	0.0	0.0

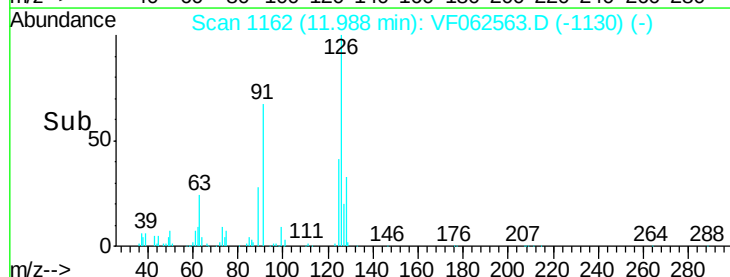
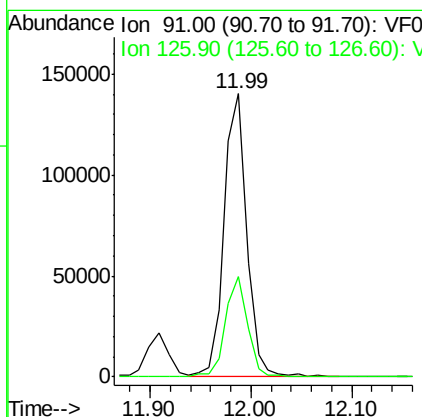
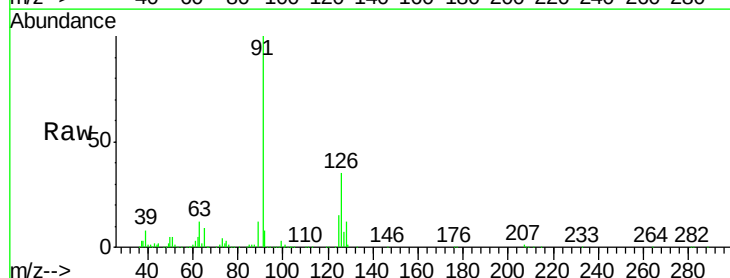
Manual Integrations
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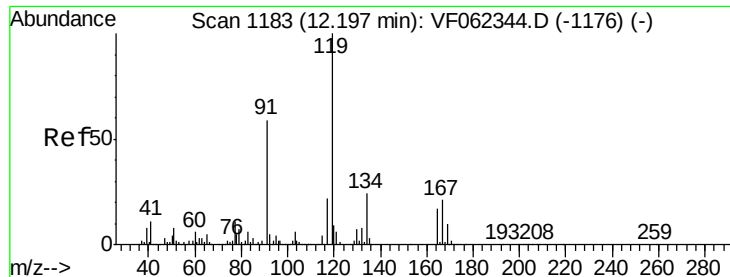
MMDadoda
5/14/2019 11:05:11 AM



#82
4-Chlorotoluene
Concen: 23.417 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.7	53.1





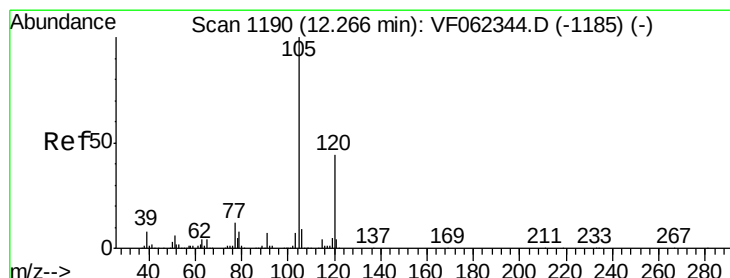
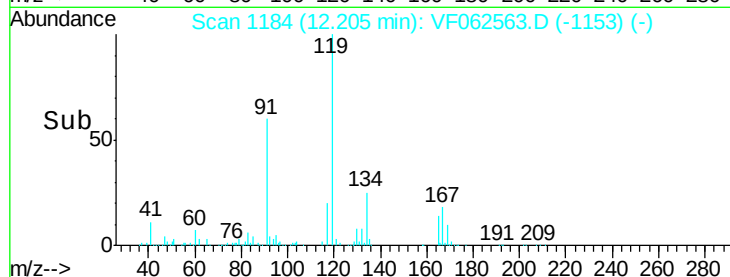
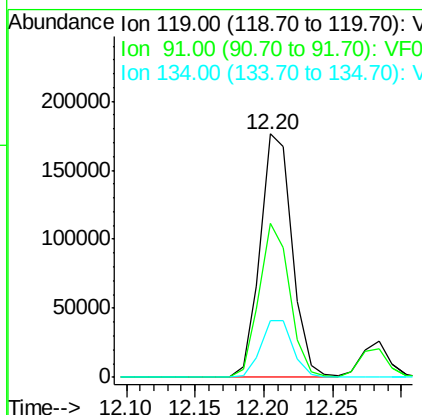
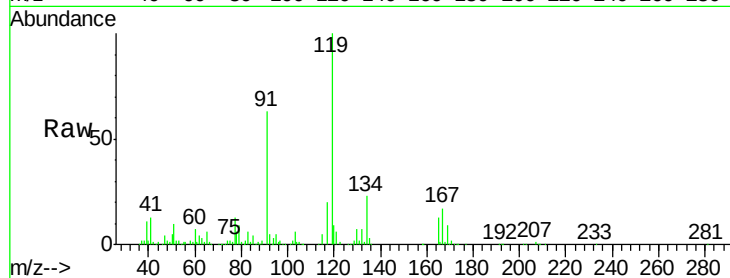
#83
 tert-Butylbenzene
 Concen: 21.832 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286841		
91	60.9	30.4	91.3	
134	23.4	11.9	35.7	

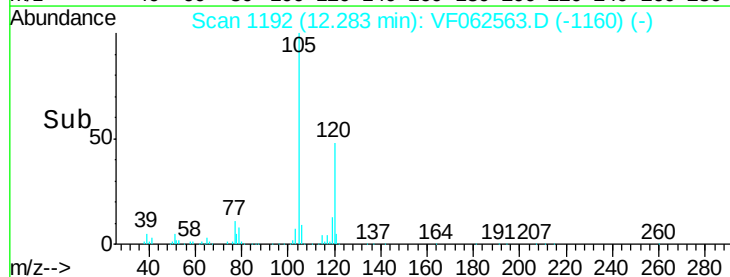
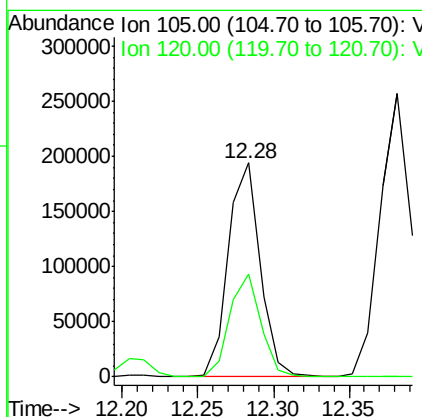
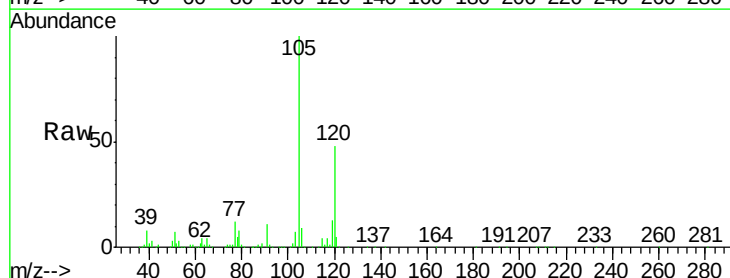
Manual Integrations
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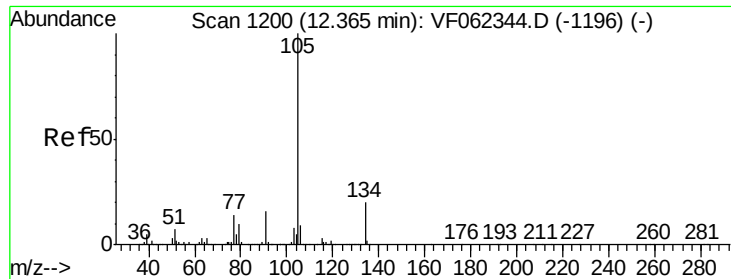
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.192 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.02 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283742		
120	47.1	22.6	67.7	





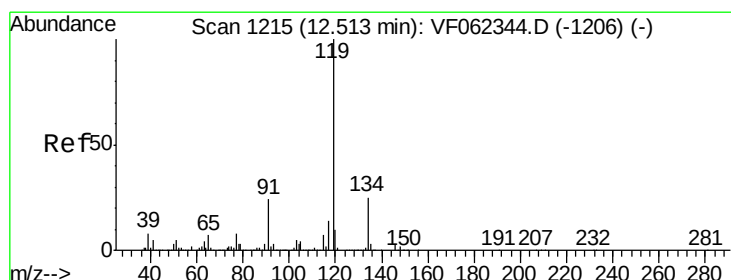
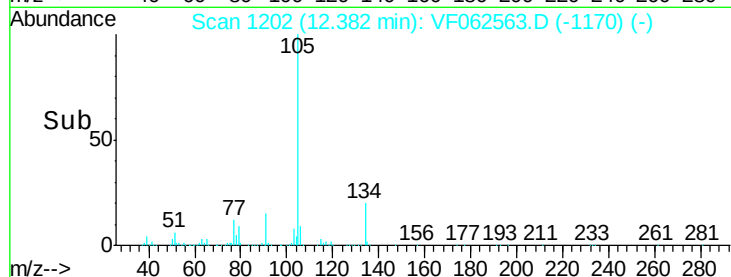
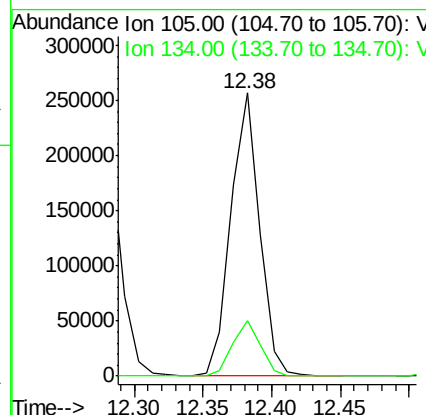
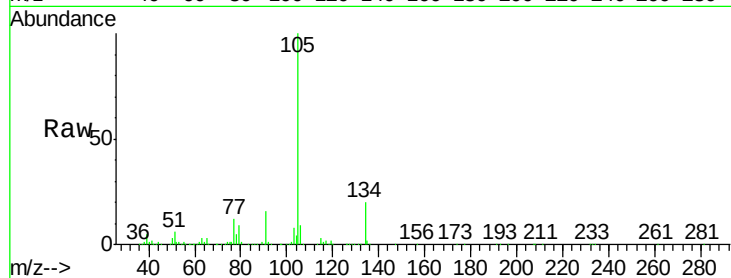
#85
 sec-Butylbenzene
 Concen: 23.153 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.02 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	370274		
134	19.4	9.8	29.5	

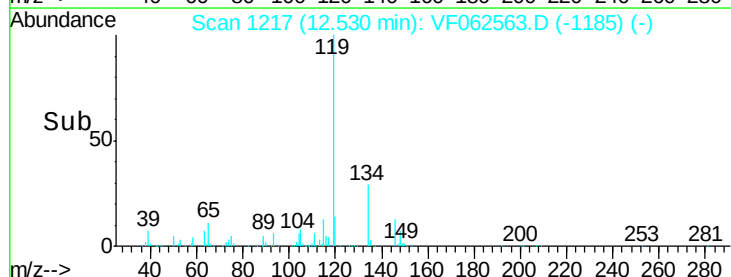
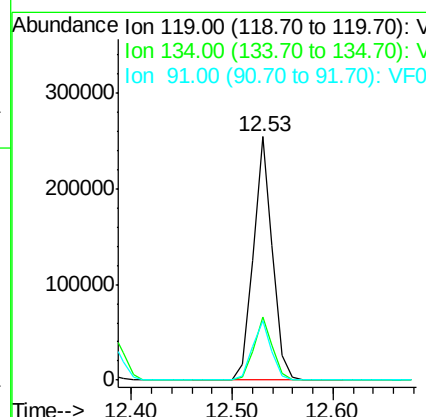
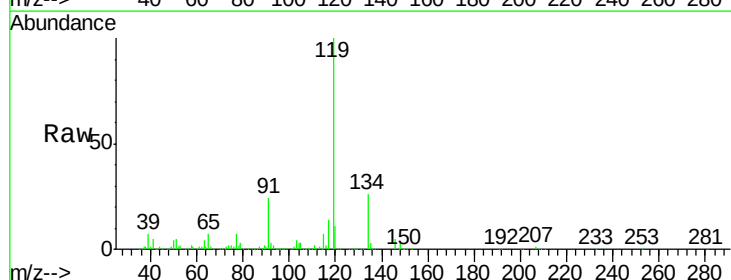
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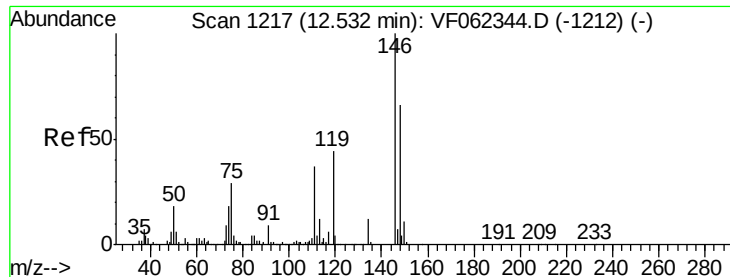
MMDadoda
 5/14/2019 11:05:11 AM



#86
 p-Isopropyltoluene
 Concen: 22.692 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.02 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	337156		
134	25.5	12.9	38.7	
91	24.4	12.3	36.8	





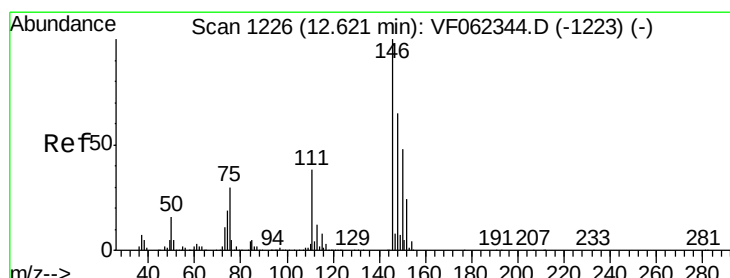
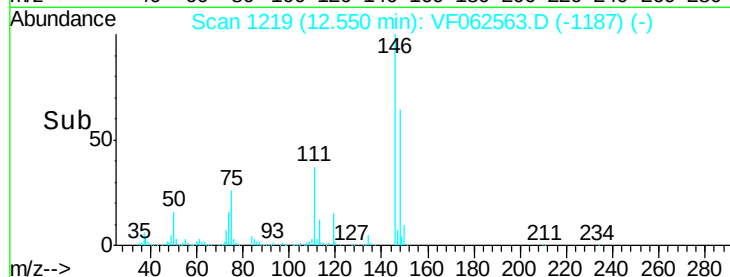
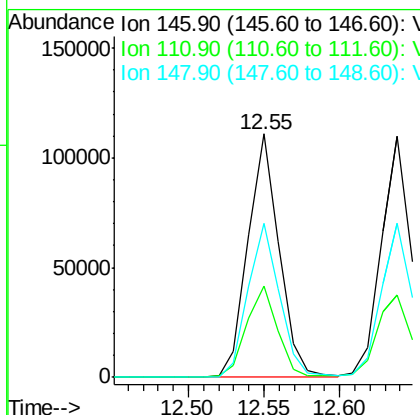
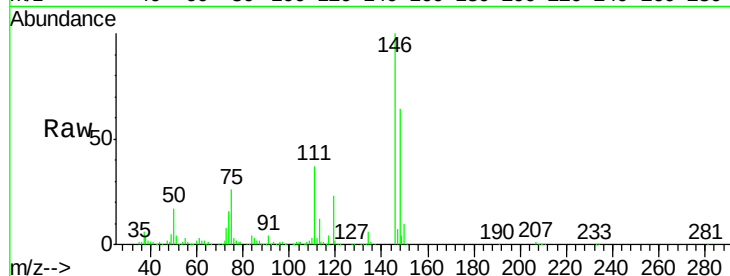
#87
 1,3-Dichlorobenzene
 Concen: 23.511 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.3	54.8
148	64.0	32.3	96.9

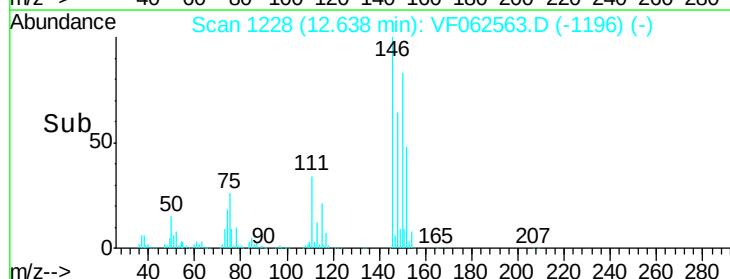
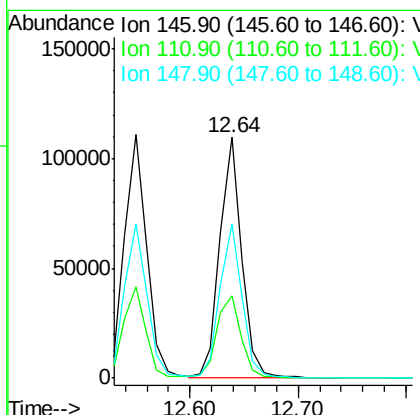
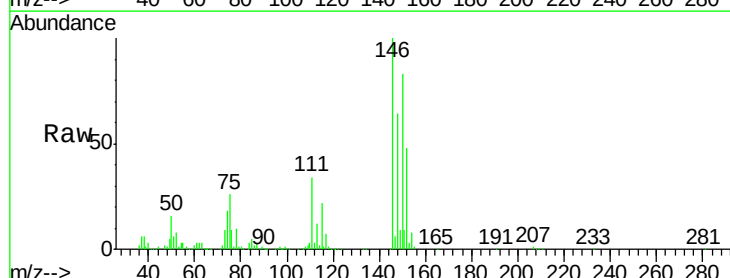
Manual Integrations
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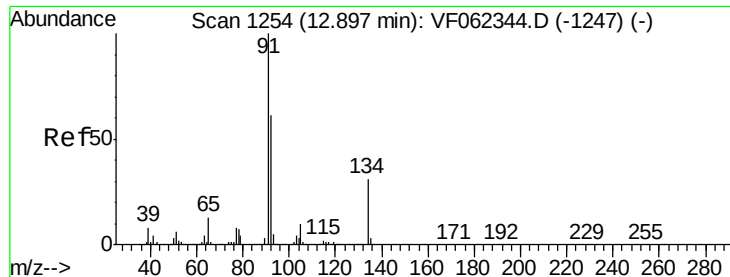
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 23.517 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	65.4	32.2	96.6





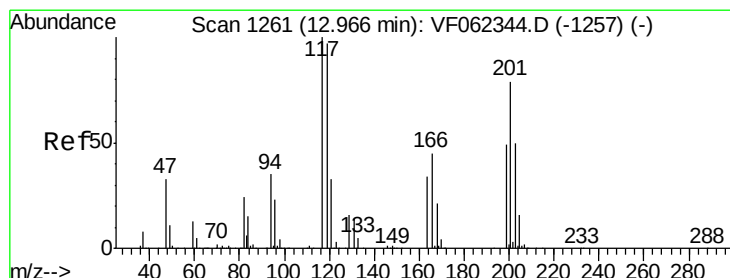
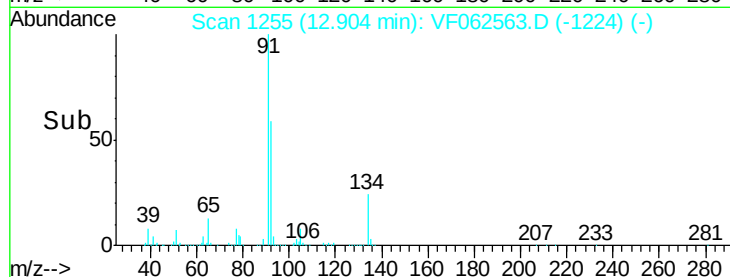
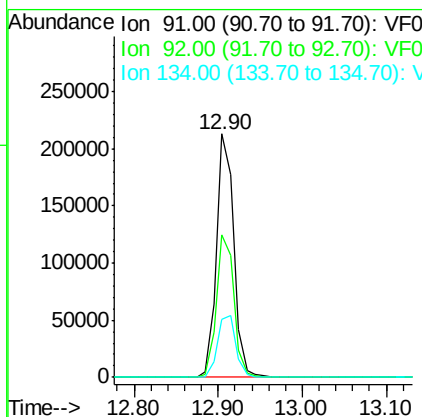
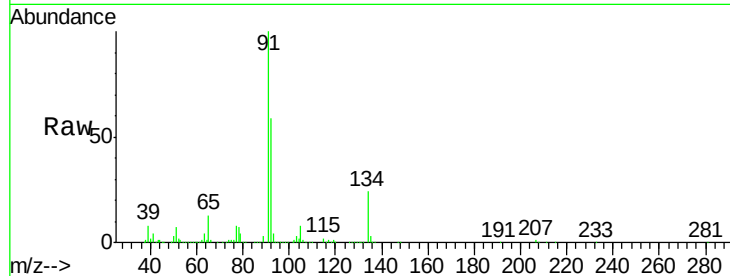
#89
n-Butylbenzene
Concen: 23.003 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	304078		
92	59.4		30.0	90.0
134	27.0		14.1	42.4

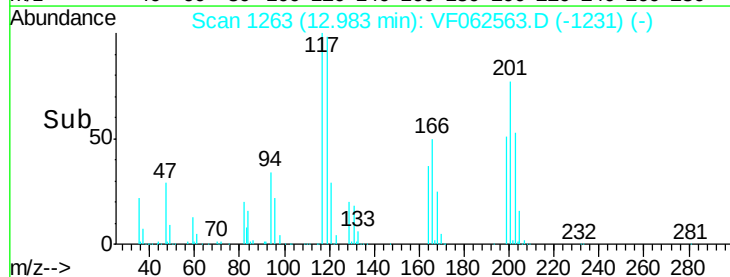
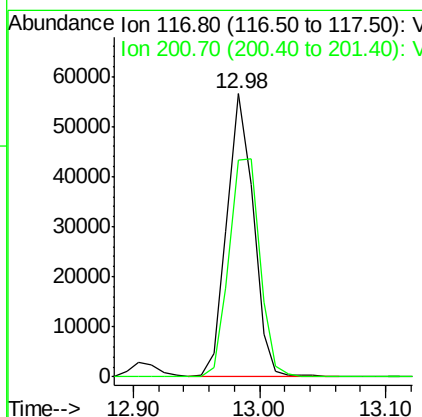
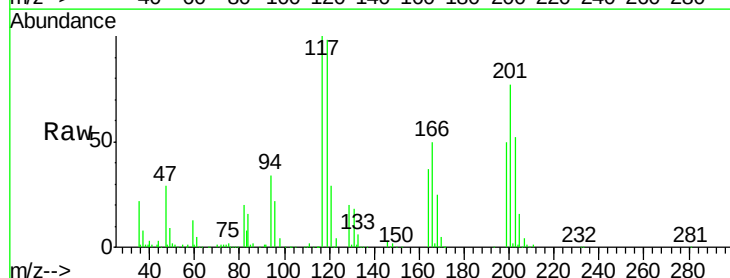
Manual Integrations
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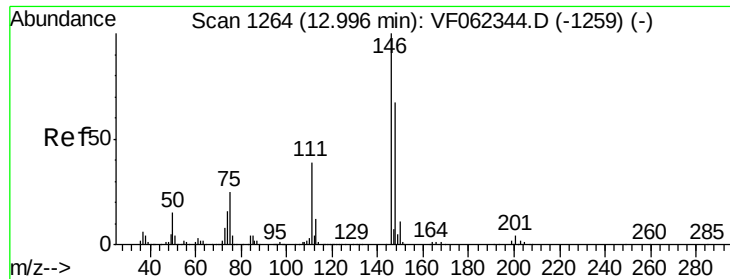
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#90
Hexachloroethane
Concen: 22.308 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	82758		
201	89.2		46.2	138.5





#91

1,2-Dichlorobenzene

Concen: 24.483 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Instrument :

MSVOA_F

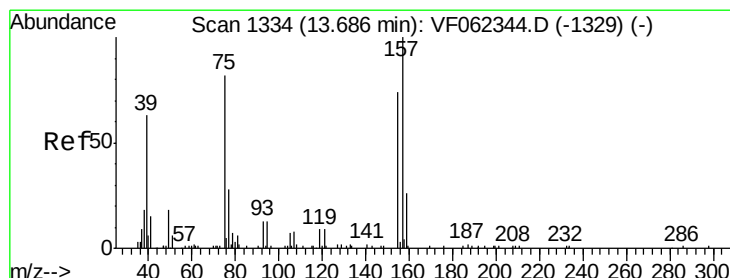
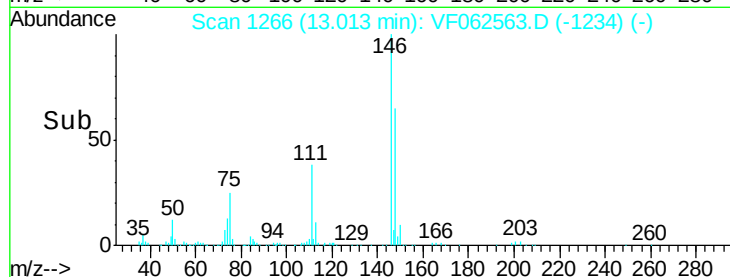
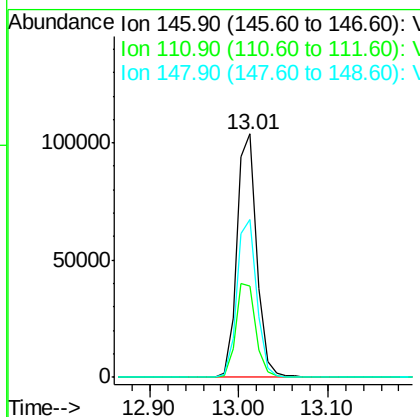
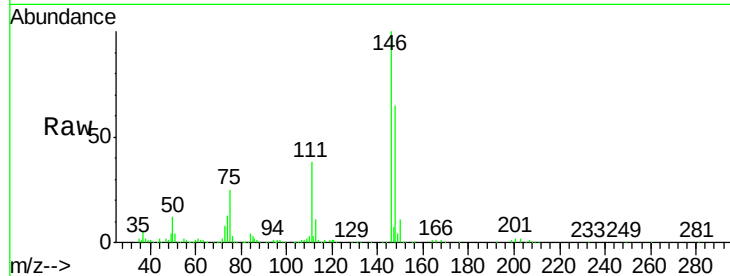
ClientSampleId :

VF0513SBS02

Tot Ion:	146	Resp:	162011
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.0	60.0
148	65.2	33.1	99.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.811 ug/l

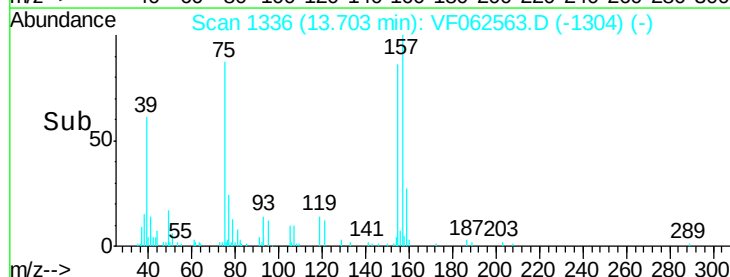
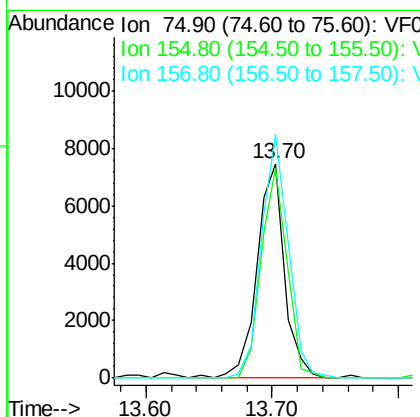
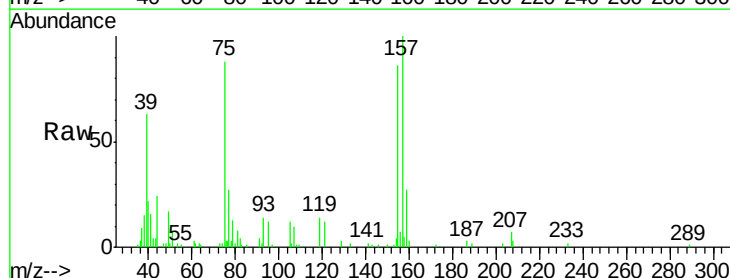
RT: 13.70 min Scan# 1336

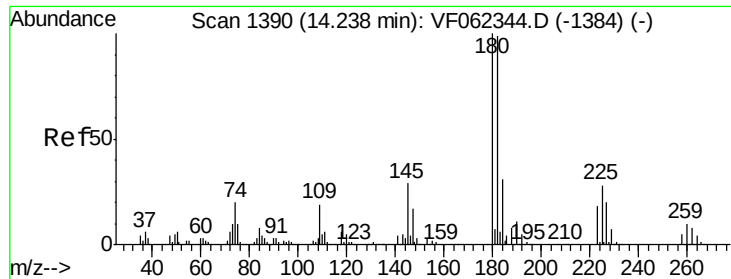
Delta R.T. 0.02 min

Lab File: VF062563.D

Acq: 14 May 2019 2:39

Tgt Ion:	75	Resp:	11413
Ion Ratio	Lower	Upper	
75	100		
155	91.3	51.8	155.4
157	111.2	67.3	201.8





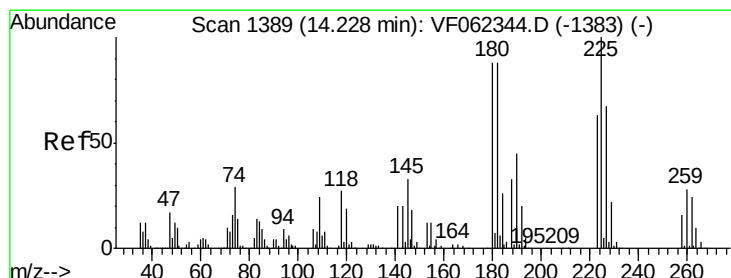
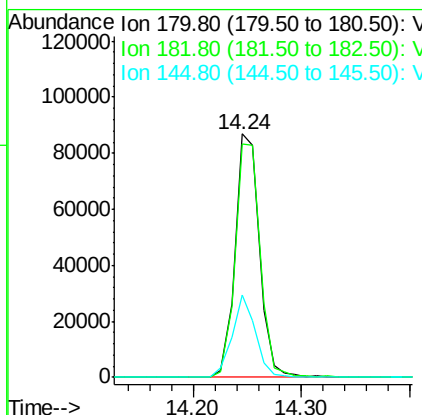
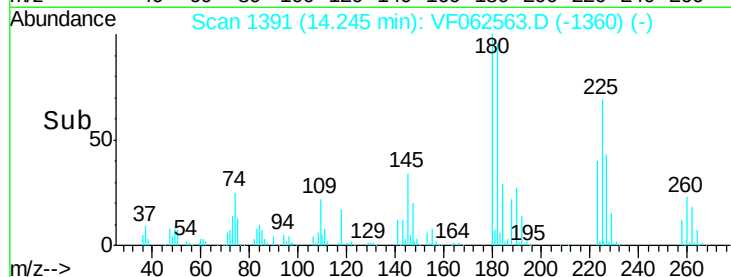
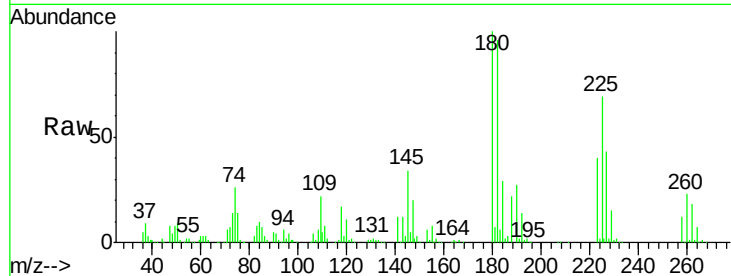
#93
 1,2,4-Trichlorobenzene
 Concen: 22.994 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.4	49.0	147.0	
145	32.3	16.7	50.1	

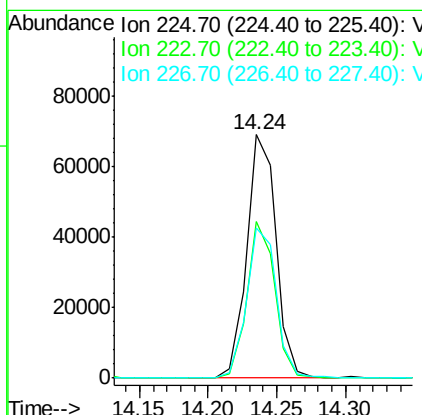
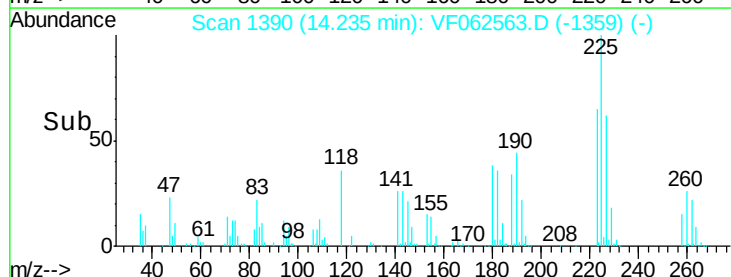
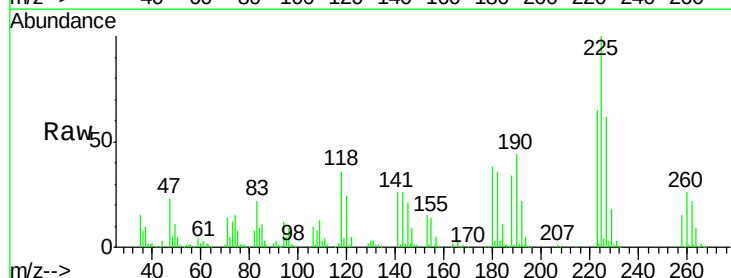
Manual Integrations
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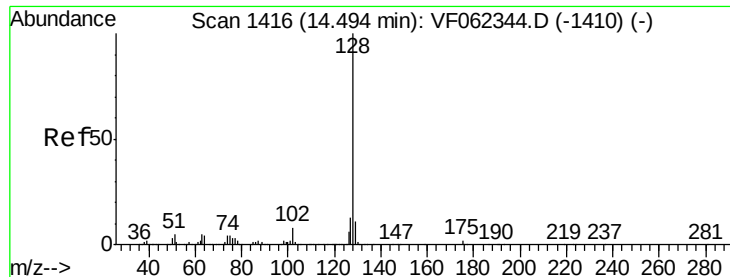
MMDadoda
 5/14/2019 11:05:11 AM



#94
 Hexachlorobutadiene
 Concen: 23.257 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062563.D
 Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	31.9	95.5	
227	62.8	33.1	99.5	





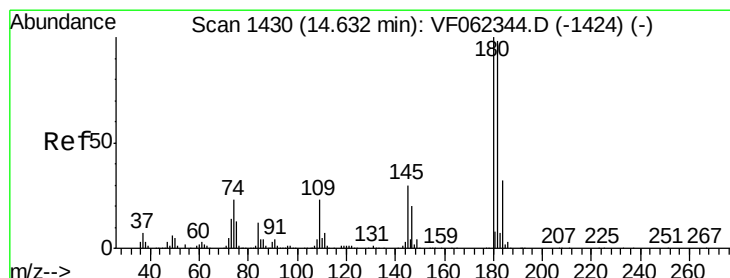
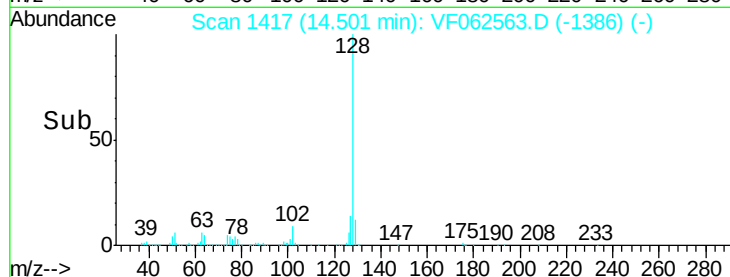
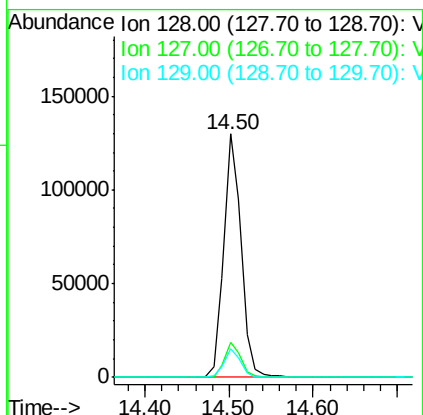
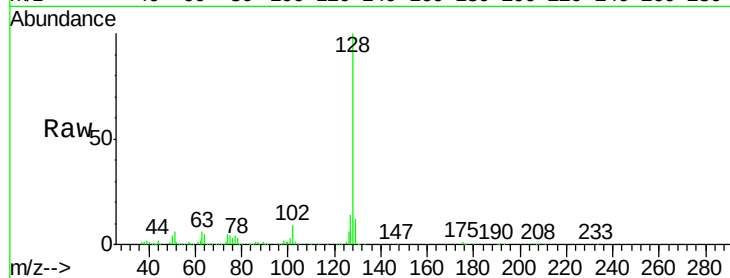
#95
Naphthalene
Concen: 20.982 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Instrument :
MSVOA_F
ClientSampleId :
VF0513SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	187229		
127	13.4	10.5	15.7	
129	11.3	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
5/14/2019 11:05:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.563 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062563.D
Acq: 14 May 2019 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129742		
182	96.0	49.4	148.0	
145	28.6	14.8	44.3	

