

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051019\
 Data File : VF062435.D
 Acq On : 10 May 2019 23:02
 Operator : FY/SY
 Sample : VF0510SBS02
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 3:49:14 PM

Quant Time: May 11 05:52:22 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	5.06	168	297682	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	406782	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	333824	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	209358	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	167032	59.37	ug/l	0.02
Spiked Amount 50.000			Recovery	=	118.74%	
35) Dibromofluoromethane	4.31	113	188688	58.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	116.44%	
50) Toluene-d8	7.72	98	406177	51.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.50	95	187651	53.02	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	77876	22.604	ug/l	96
3) Chloromethane	1.16	50	48335	21.272	ug/l	96
4) Vinyl Chloride	1.20	62	48834	21.547	ug/l	97
5) Bromomethane	1.40	94	40221	22.120	ug/l	93
6) Chloroethane	1.45	64	27442	24.084	ug/l	92
7) Trichlorofluoromethane	1.56	101	107439	22.848	ug/l	99
8) Diethyl Ether	1.71	74	15690	22.051	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.91	101	60933	22.697	ug/l	94
10) Methyl Iodide	1.99	142	106294	24.026	ug/l	98
11) Tert butyl alcohol	2.71	59	14507	91.242	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	48853	21.405	ug/l	95
13) Acrolein	2.11	56	8850	75.296	ug/l	95
14) Allyl chloride	2.20	41	68091m	33.774	ug/l	
15) Acrylonitrile	3.09	53	32002	106.256	ug/l	97
16) Acetone	2.35	43	55647	97.782	ug/l	99
17) Carbon Disulfide	1.93	76	107468	21.595	ug/l #	93
18) Methyl Acetate	2.47	43	24987	22.343	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	105440	22.381	ug/l	92
20) Methylene Chloride	2.34	84	49792m	24.183	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	48263	22.195	ug/l	93
22) Diisopropyl ether	2.94	45	143281	22.739	ug/l	92
23) Vinyl Acetate	3.36	43	301881	107.495	ug/l	99
24) 1,1-Dichloroethane	3.02	63	88797	23.317	ug/l	98
25) 2-Butanone	4.53	43	76128	106.478	ug/l	94
26) 2,2-Dichloropropane	3.78	77	48377	22.747	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	59525	21.899	ug/l	93
28) Bromochloromethane	3.91	49	32475	18.803	ug/l	94
29) Tetrahydrofuran	4.28	42	36281	110.412	ug/l	95
30) Chloroform	4.06	83	130084	25.284	ug/l	99
31) Cyclohexane	3.89	56	65117	21.422	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	108161m	24.529	ug/l	
36) 1,1-Dichloropropene	4.48	75	80392	23.006	ug/l	98
37) Ethyl Acetate	4.31	43	34891	22.772	ug/l #	94
38) Carbon Tetrachloride	4.20	117	98208	25.747	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	76154	21.730	ug/l	97
40) Benzene	4.84	78	174397	22.664	ug/l	96
41) Methacrylonitrile	4.94	41	20097	23.985	ug/l	93
42) 1,2-Dichloroethane	5.14	62	72703	22.591	ug/l	100
43) Isopropyl Acetate	7.12	43	31644	19.909	ug/l #	97
44) Trichloroethene	5.69	130	66538	23.539	ug/l	94
45) 1,2-Dichloropropane	6.41	63	40230	23.082	ug/l	89
46) Dibromomethane	6.28	93	32046	22.176	ug/l	94
47) Bromodichloromethane	6.56	83	80585	22.304	ug/l	86
48) Methyl methacrylate	6.89	41	21533	19.171	ug/l	91
49) 1,4-Dioxane	6.88	88	5069	431.360	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	121404	100.802	ug/l	99
52) Toluene	7.78	92	104170	21.944	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	57644	21.095	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	67752	21.304	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	31540	20.930	ug/l	92
56) Ethyl methacrylate	8.77	69	31185	19.604	ug/l	99
57) 1,3-Dichloropropane	9.01	76	50694	22.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	47006	98.288	ug/l	97
59) 2-Hexanone	9.63	43	81370	97.689	ug/l	98
60) Dibromochloromethane	8.87	129	53495	21.705	ug/l	99
61) 1,2-Dibromoethane	9.13	107	37336	21.080	ug/l	96
64) Tetrachloroethene	8.32	164	65861	24.302	ug/l	92
65) Chlorobenzene	9.93	112	128669	23.296	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.07	131	64929	23.303	ug/l	96
67) Ethyl Benzene	10.03	91	220259	22.773	ug/l	99
68) m/p-Xylenes	10.27	106	162480	45.531	ug/l	97
69) o-Xylene	10.82	106	84961	22.033	ug/l	97
70) Styrene	10.90	104	127126	21.997	ug/l	99
71) Bromoform	10.88	173	32175	21.077	ug/l #	96
73) Isopropylbenzene	11.21	105	281345	22.668	ug/l	98
74) N-amyl acetate	11.45	43	54369	20.404	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	43078	22.167	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	32976	22.241	ug/l #	100
77) Bromobenzene	11.59	156	72659	22.306	ug/l	99
78) n-propylbenzene	11.68	91	297022	22.478	ug/l	97
79) 2-Chlorotoluene	11.80	91	184284	22.428	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	252277	23.190	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	7530	13.511	ug/l #	49
82) 4-Chlorotoluene	11.97	91	179553	22.125	ug/l	99
83) tert-Butylbenzene	12.20	119	255147	22.317	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	247316	23.231	ug/l	99
85) sec-Butylbenzene	12.37	105	315584	22.678	ug/l	99
86) p-Isopropyltoluene	12.53	119	288581	22.320	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	139730	23.488	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	129569	22.566	ug/l	99
89) n-Butylbenzene	12.90	91	265751	23.103	ug/l	97
90) Hexachloroethane	12.98	117	68430	21.197	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	133656	23.211	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9253	21.253	ug/l	96

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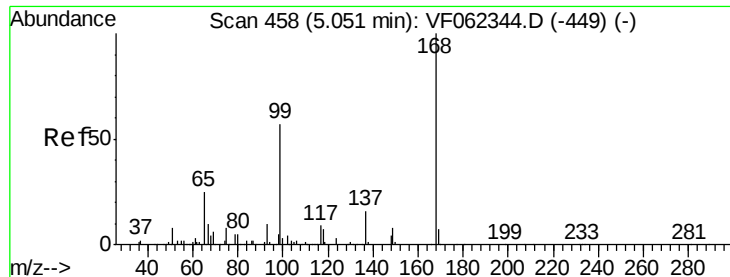
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	120212	23.275	ug/l	99
94) Hexachlorobutadiene	14.23	225	94384	24.518	ug/l	96
95) Naphthalene	14.50	128	167479	21.569	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	118323	23.647	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion:168 Resp: 297682

Ion Ratio Lower Upper

168 100

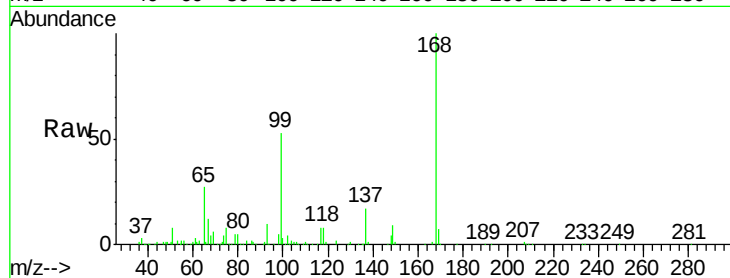
99 52.9 45.9 68.9

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

120000

100000

80000

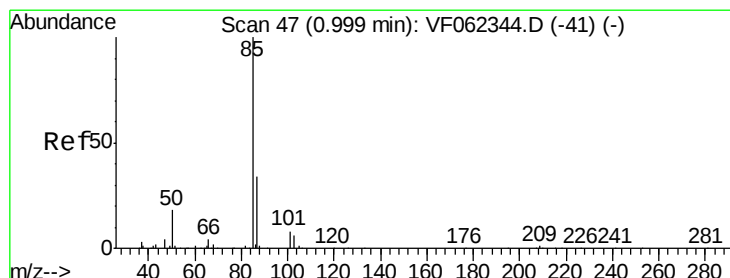
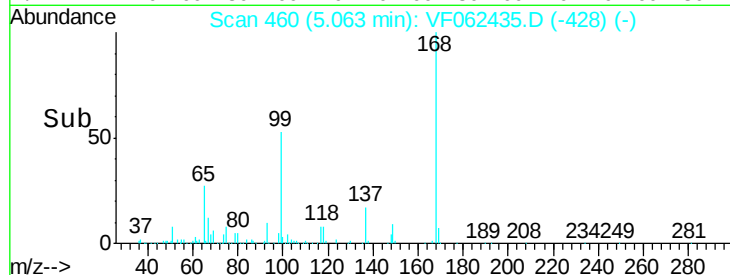
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.604 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062435.D

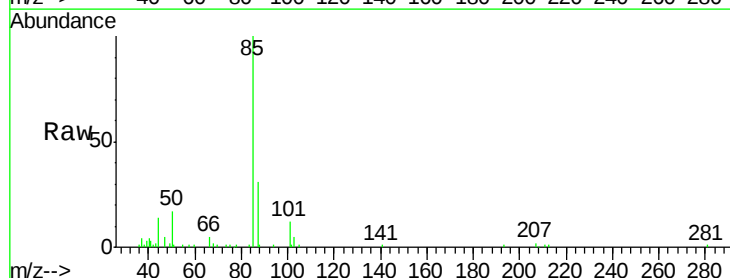
Acq: 10 May 2019 23:02

Tgt Ion: 85 Resp: 77876

Ion Ratio Lower Upper

85 100

87 31.4 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

25000

20000

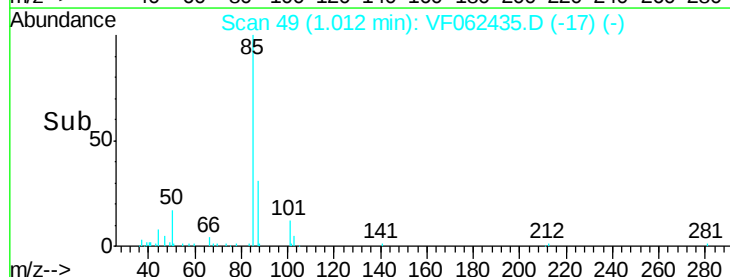
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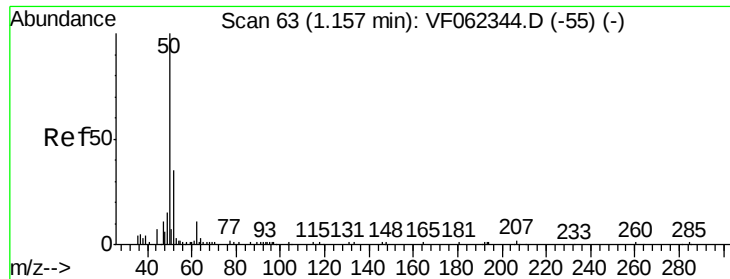
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.272 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 50 Resp: 48335

Ion Ratio Lower Upper

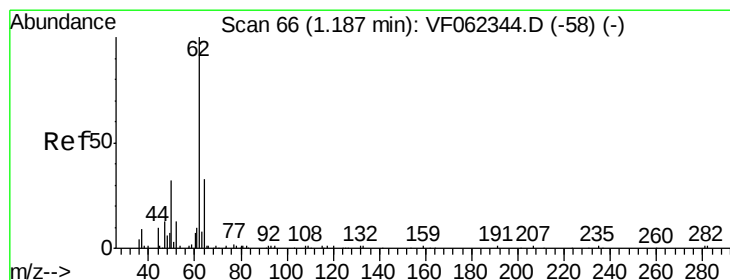
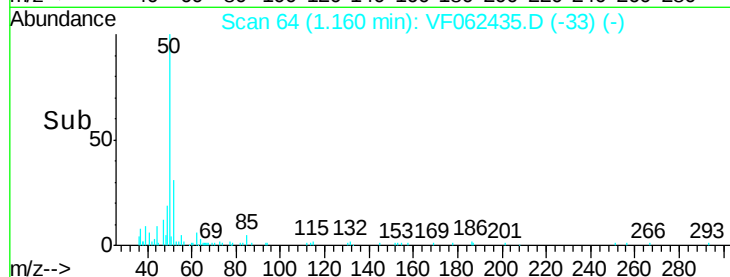
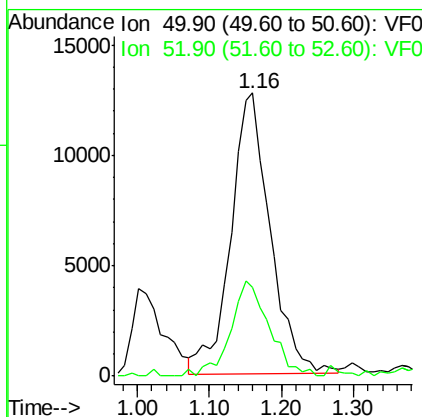
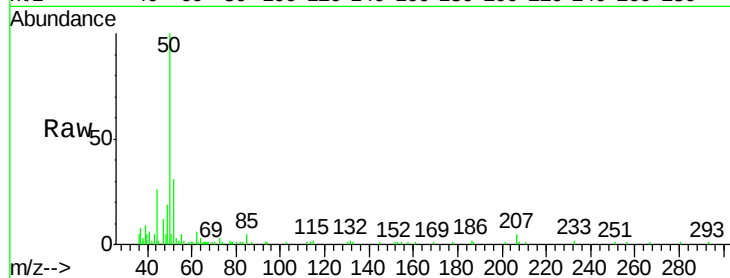
50 100

52 30.4 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.547 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062435.D

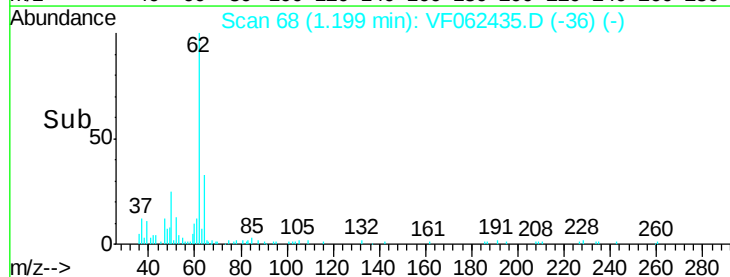
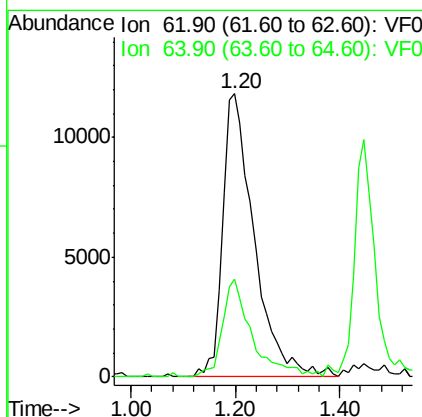
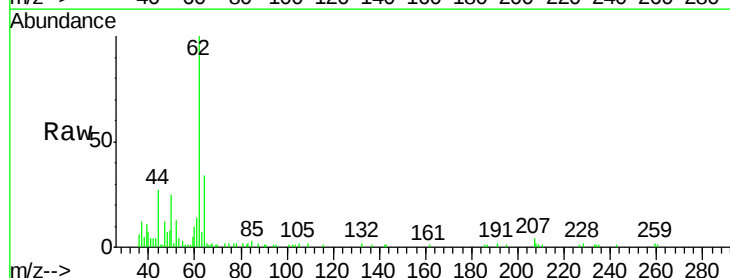
Acq: 10 May 2019 23:02

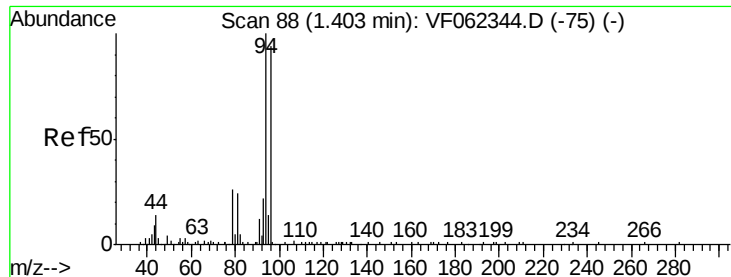
Tgt Ion: 62 Resp: 48834

Ion Ratio Lower Upper

62 100

64 34.4 26.1 39.1





#5

Bromomethane

Concen: 22.120 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 94 Resp: 40221

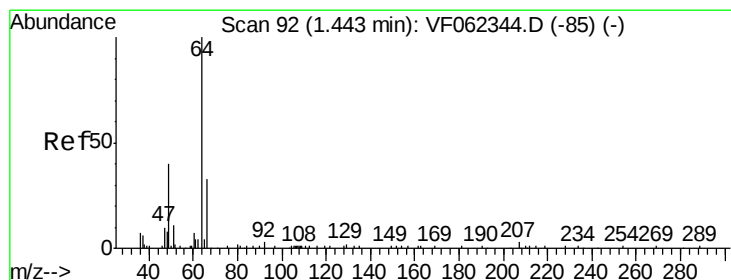
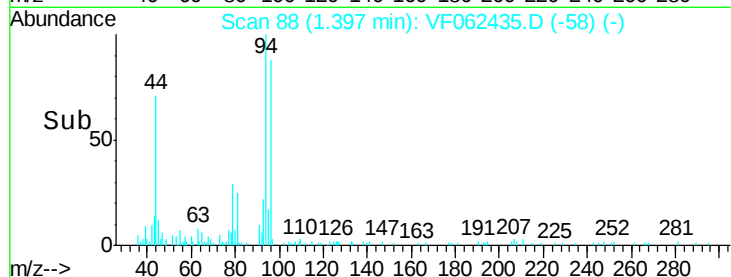
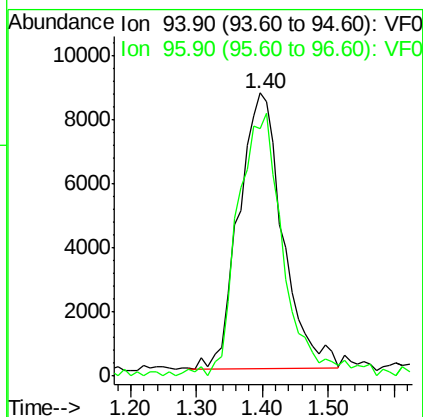
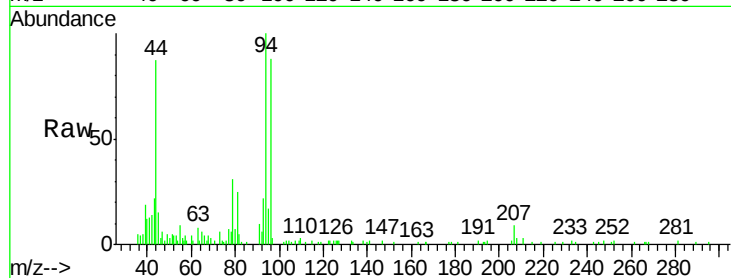
Ion Ratio Lower Upper

94 100

96 87.8 75.4 113.2

Manual Integrations
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#6

Chloroethane

Concen: 24.084 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062435.D

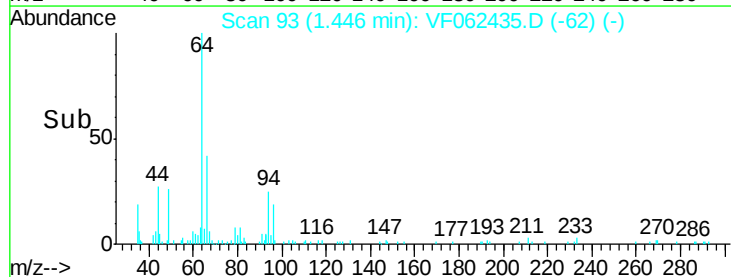
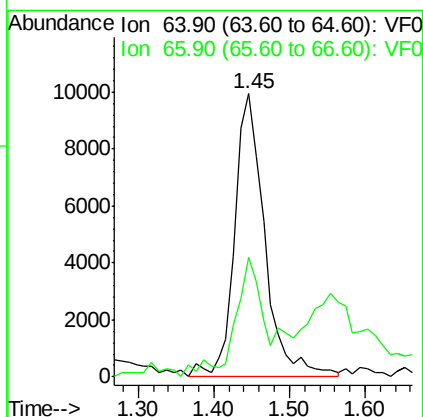
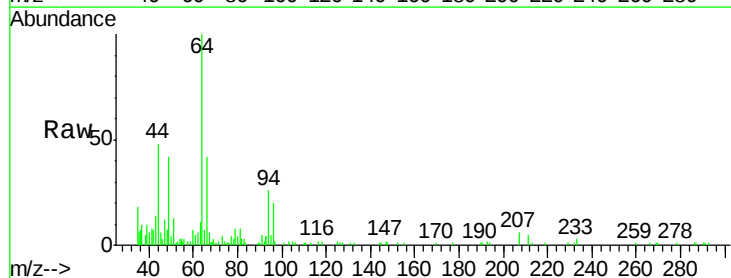
Acq: 10 May 2019 23:02

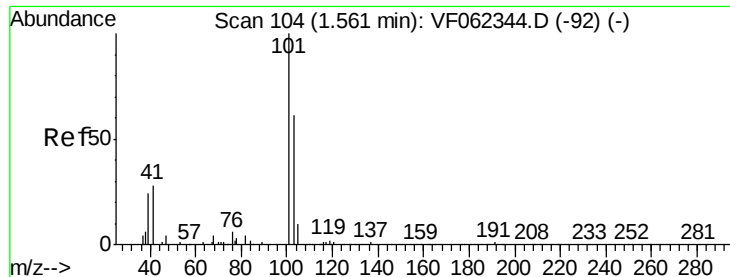
Tgt Ion: 64 Resp: 27442

Ion Ratio Lower Upper

64 100

66 38.0 26.6 39.8





#7

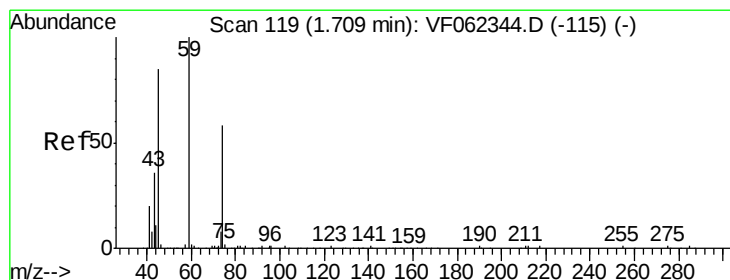
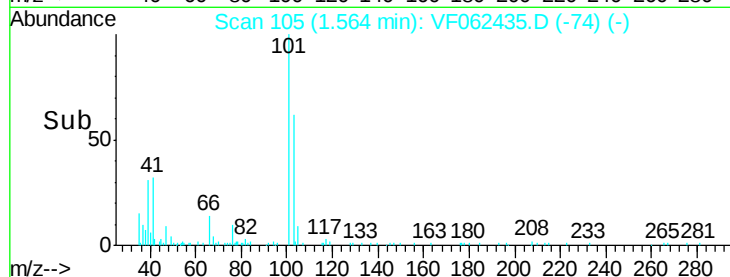
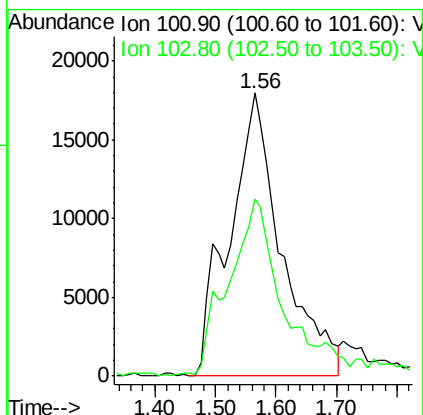
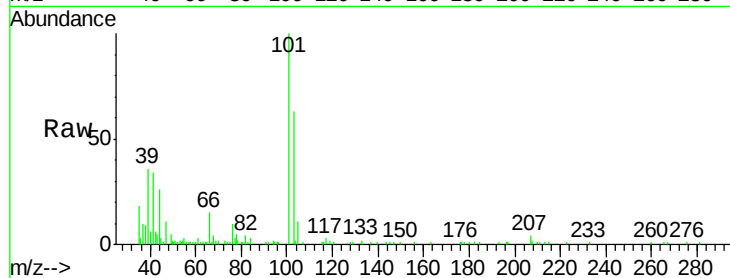
Trichlorofluoromethane
Concen: 22.848 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

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VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	61.4	48.5	72.7

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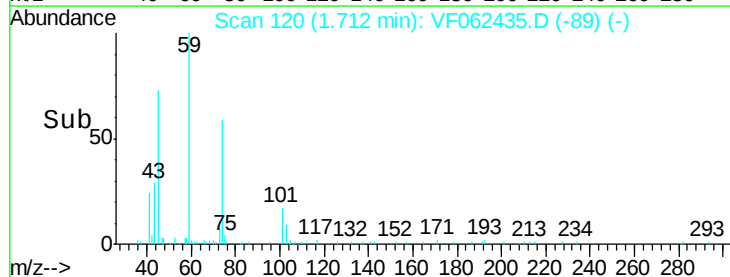
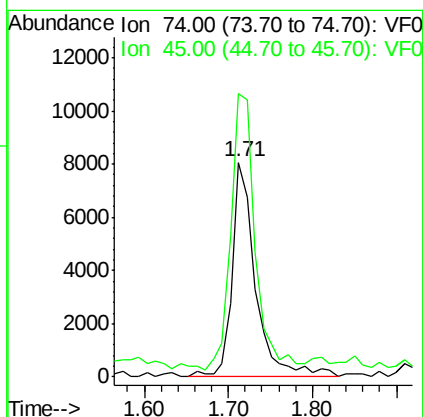
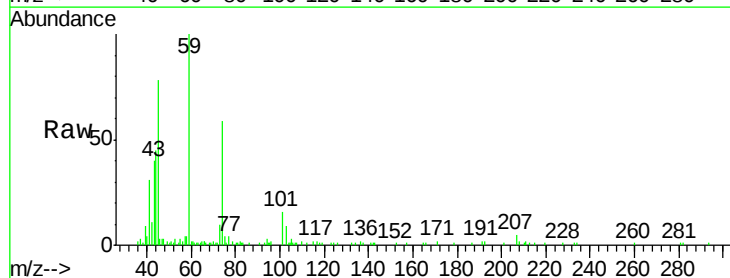
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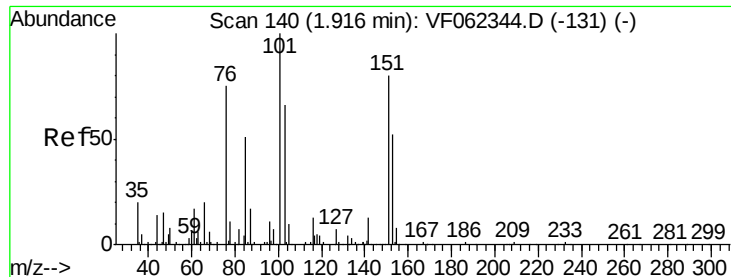


#8

Diethyl Ether
Concen: 22.051 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.3	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.697 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

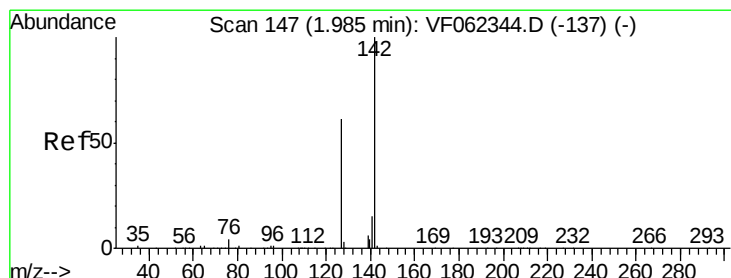
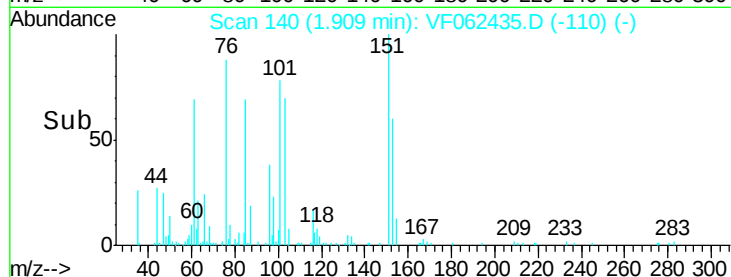
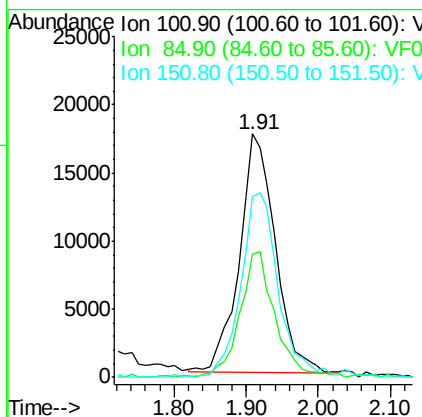
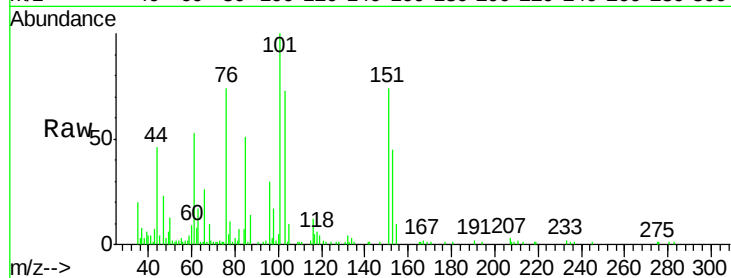
ClientSampleId :

VF0510SBS02

Tgt Ion:	101	Resp:	60933
Ion Ratio	Lower	Upper	
101	100		
85	52.0	39.5	59.3
151	80.8	59.9	89.9

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#10

Methyl Iodide

Concen: 24.026 ug/l

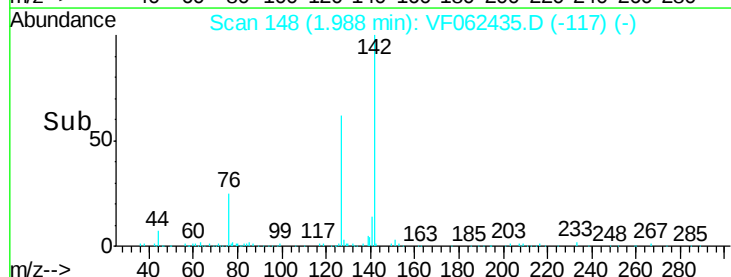
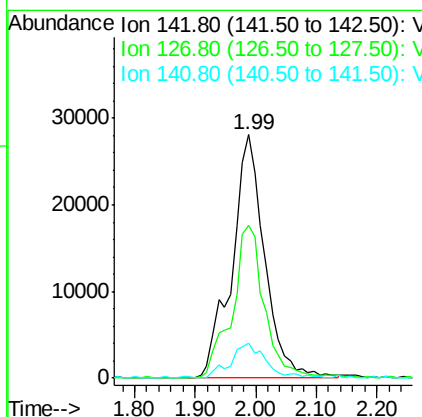
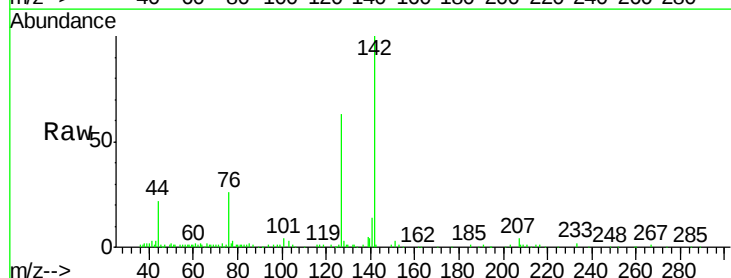
RT: 1.99 min Scan# 148

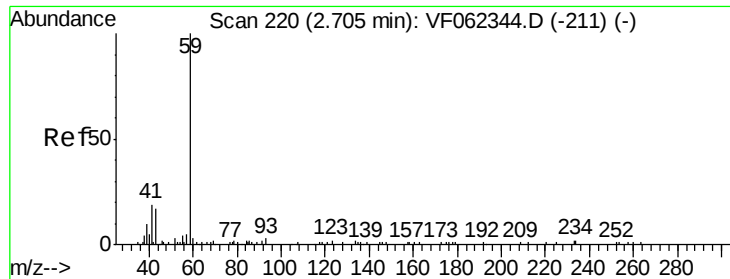
Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	142	Resp:	106294
Ion Ratio	Lower	Upper	
142	100		
127	62.1	48.4	72.6
141	15.4	12.2	18.4





#11

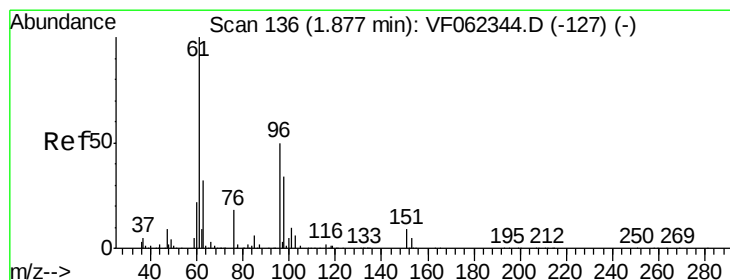
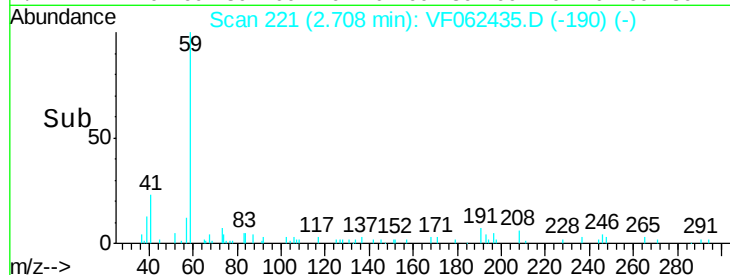
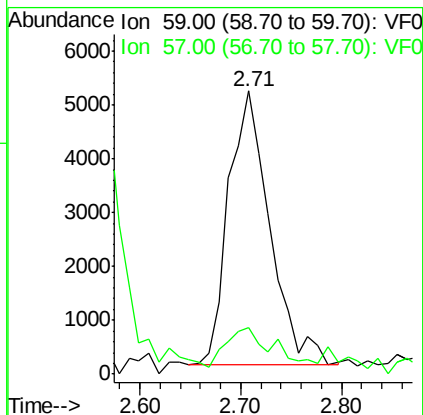
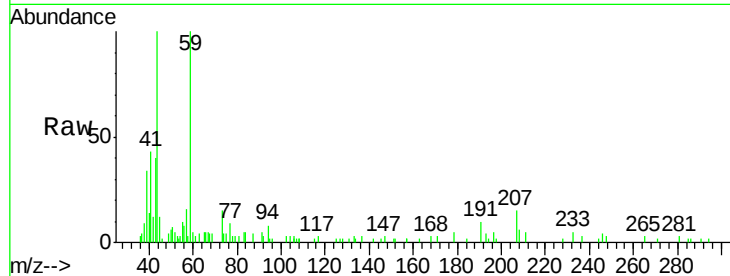
Tert butyl alcohol
Concen: 91.242 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	14.9	9.3	13.9#

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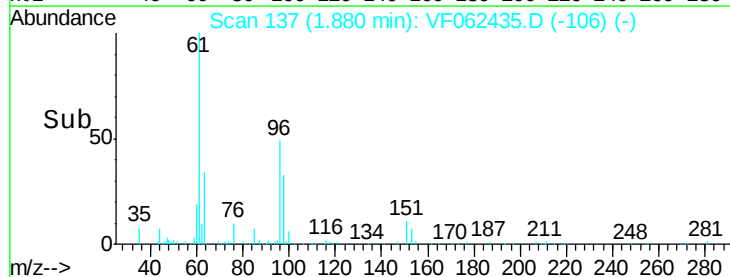
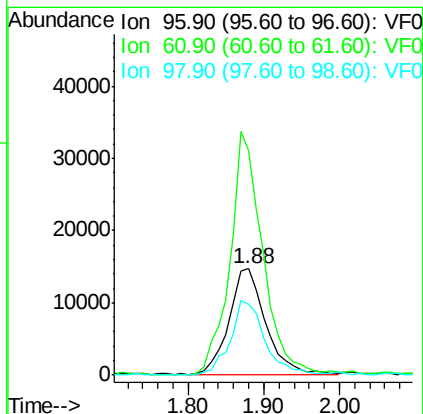
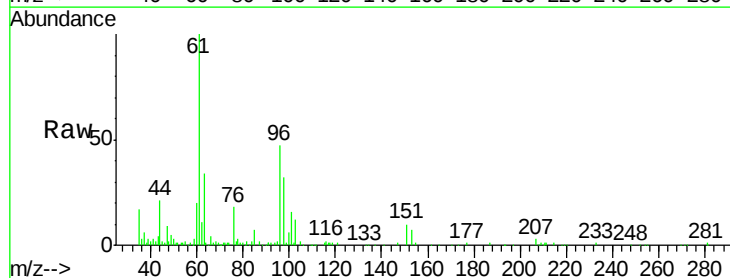
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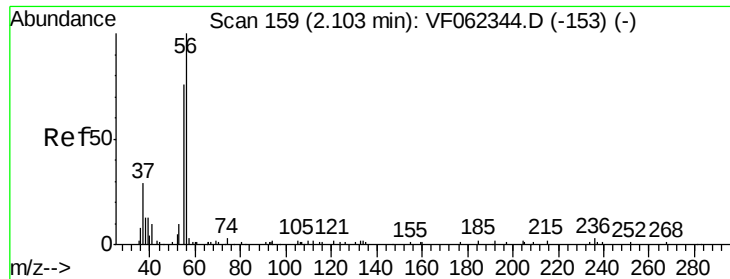


#12

1,1-Dichloroethene
Concen: 21.405 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	212.4	163.2	244.8
98	67.5	55.2	82.8





#13

Acrolein

Concen: 75.296 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 56 Resp: 8850

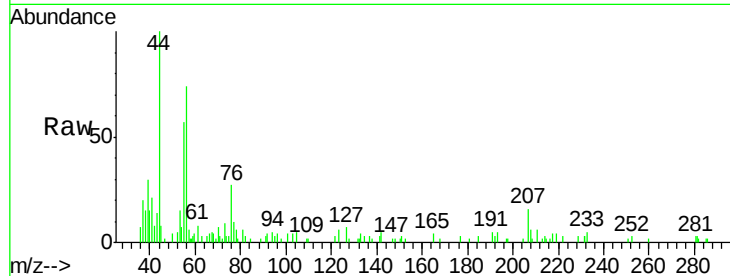
Ion Ratio Lower Upper

56 100

55 69.1 58.4 87.6

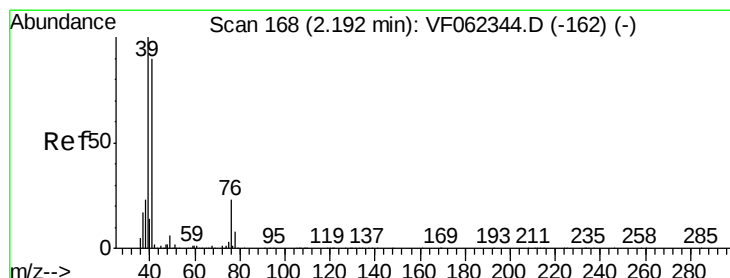
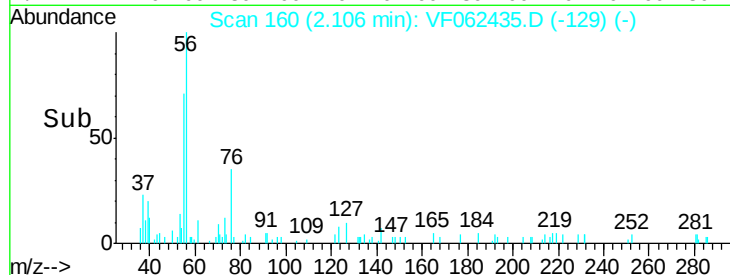
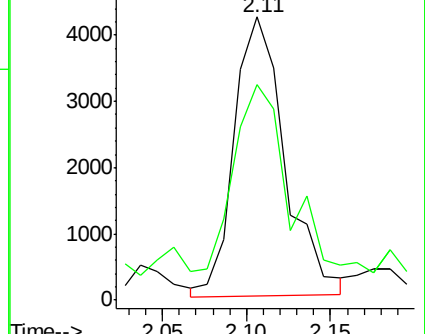
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 33.774 ug/l m

RT: 2.20 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

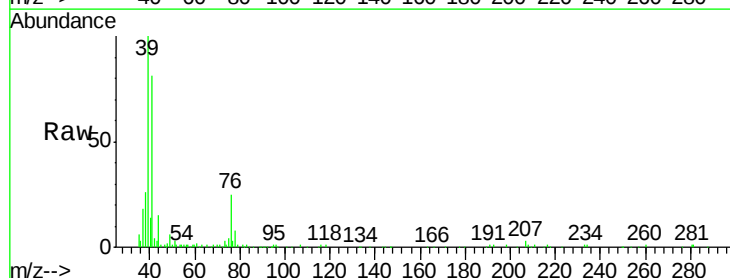
Tgt Ion: 41 Resp: 68091

Ion Ratio Lower Upper

41 100

39 122.2 90.8 136.2

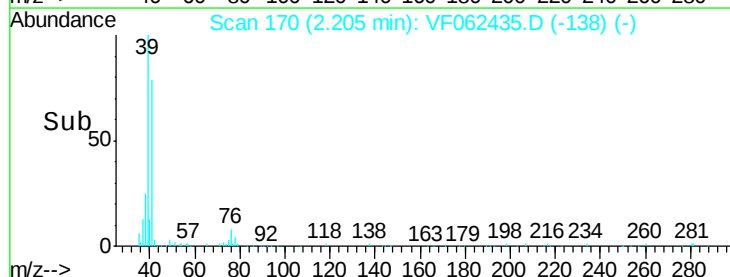
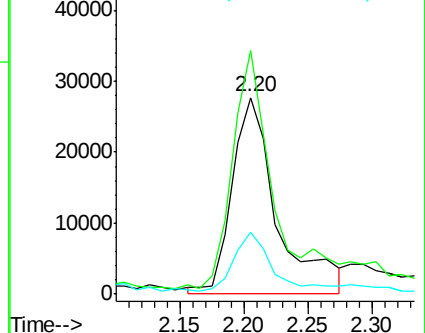
76 24.9 22.2 33.4

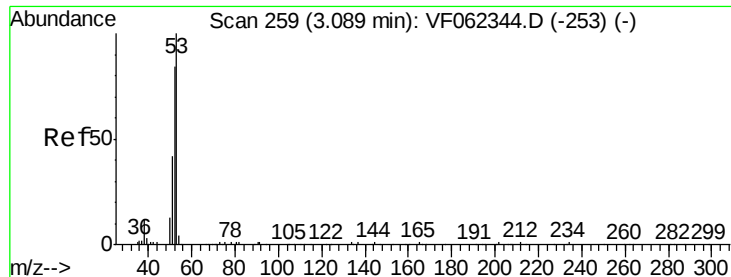


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0





#15

Acrylonitrile

Concen: 106.256 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

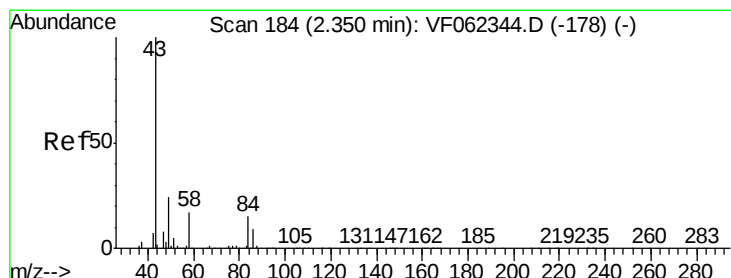
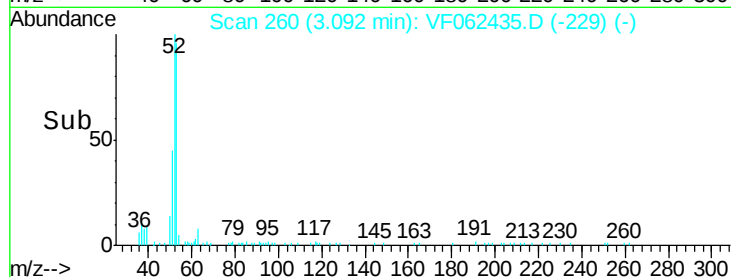
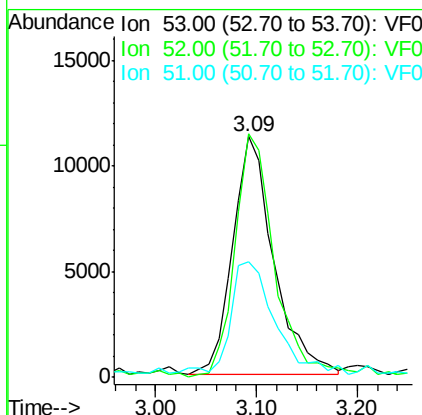
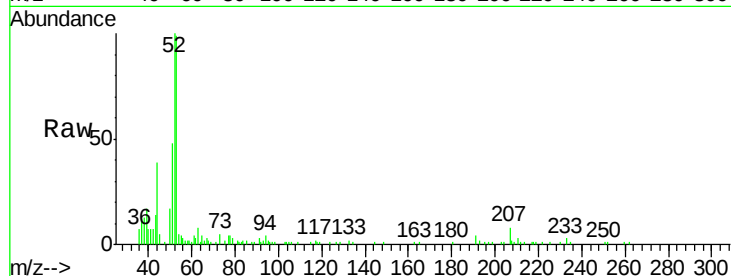
ClientSampleId :

VF0510SBS02

Tgt Ion:	53	Resp:	32002
Ion	Ratio	Lower	Upper
53	100		
52	99.2	77.2	115.8
51	52.8	40.6	61.0

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#16

Acetone

Concen: 97.782 ug/l

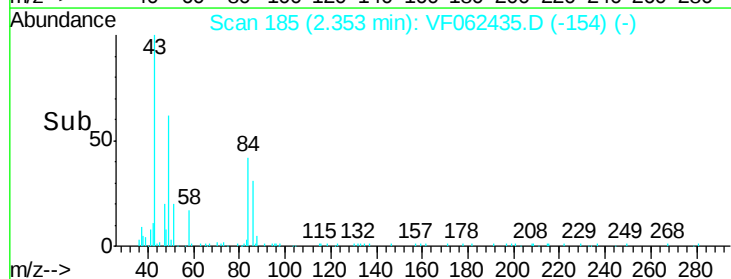
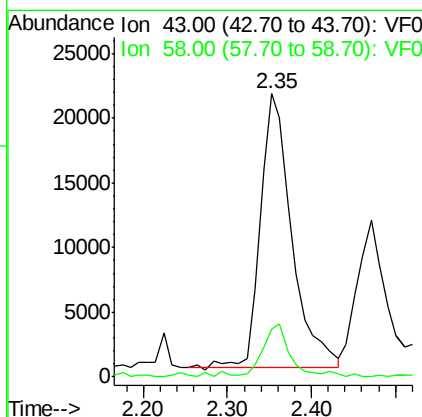
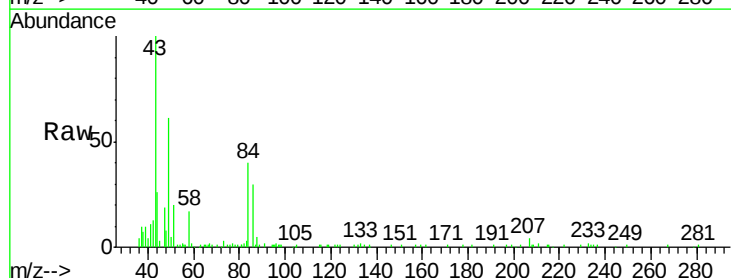
RT: 2.35 min Scan# 185

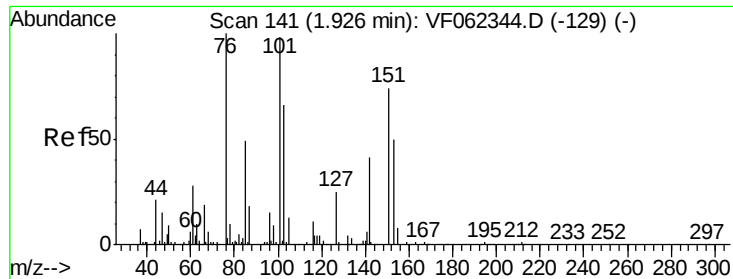
Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	43	Resp:	55647
Ion	Ratio	Lower	Upper
43	100		
58	17.0	13.1	19.7





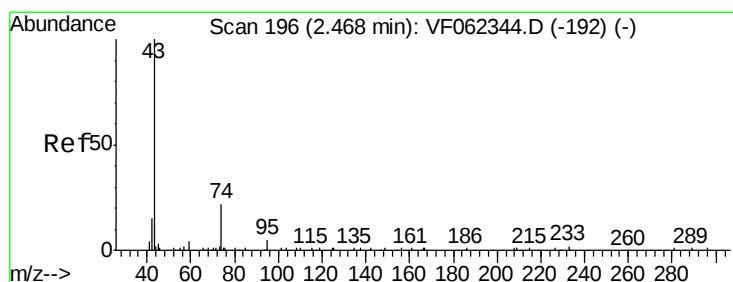
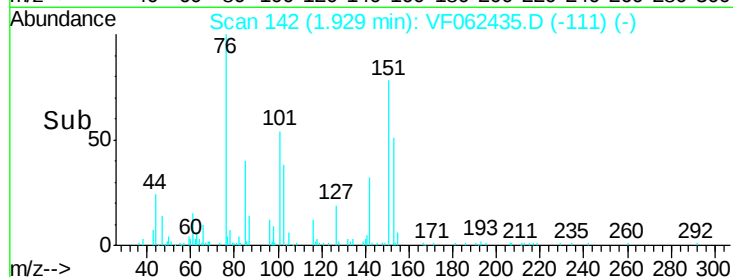
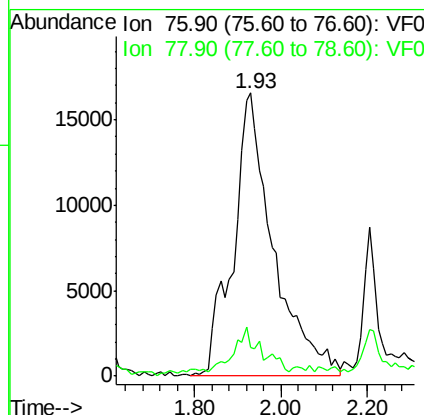
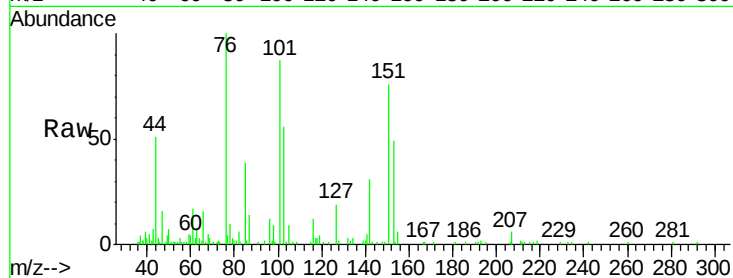
#17
Carbon Disulfide
Concen: 21.595 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 76 Resp: 107468
Ion Ratio Lower Upper
76 100
78 8.6 9.0 13.4#

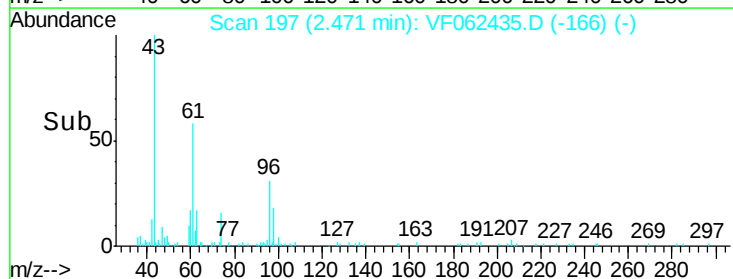
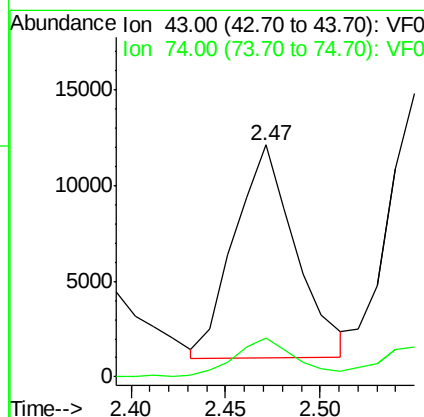
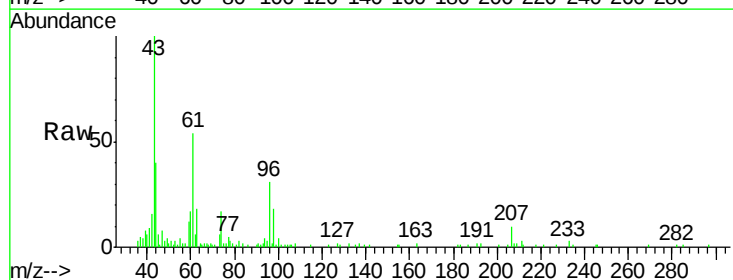
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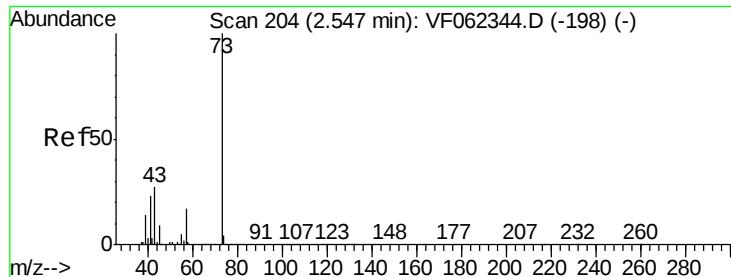
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#18
Methyl Acetate
Concen: 22.343 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 43 Resp: 24987
Ion Ratio Lower Upper
43 100
74 18.7 15.0 22.4





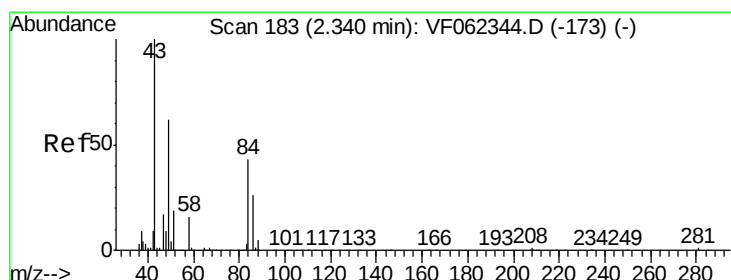
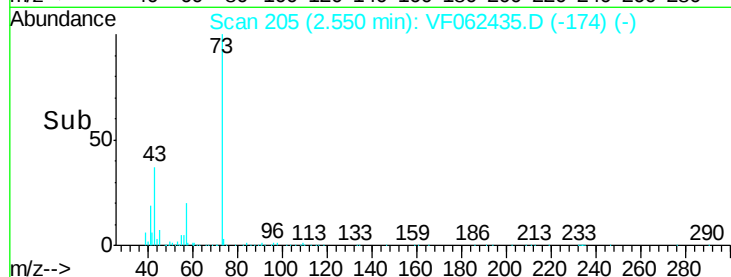
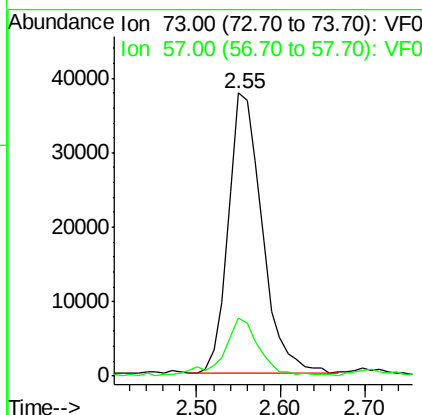
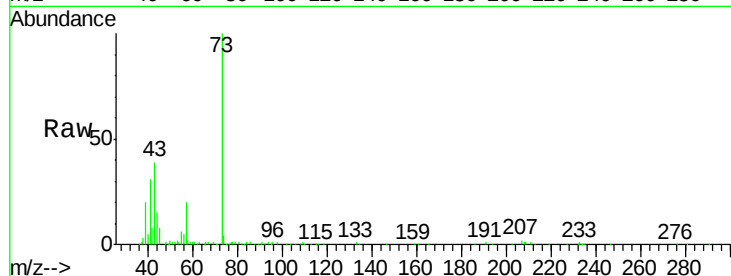
#19
Methyl tert-butyl Ether
Concen: 22.381 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 73 Resp: 105440
Ion Ratio Lower Upper
73 100
57 20.4 13.7 20.5

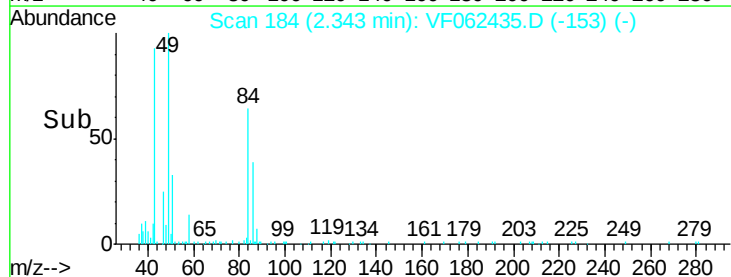
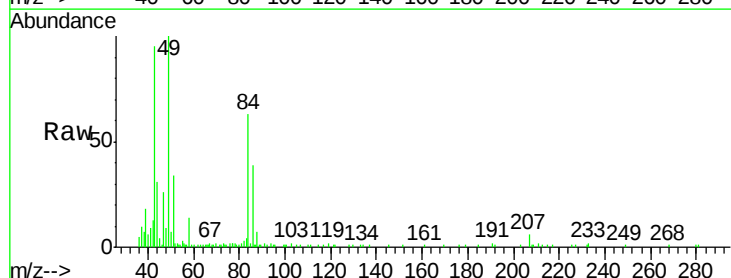
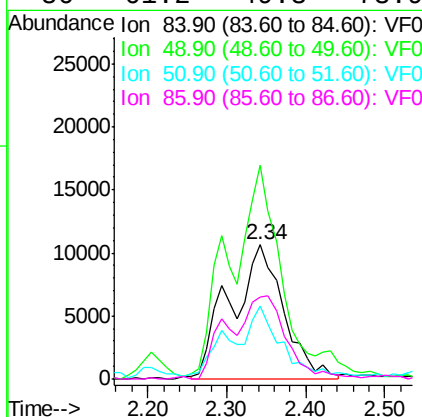
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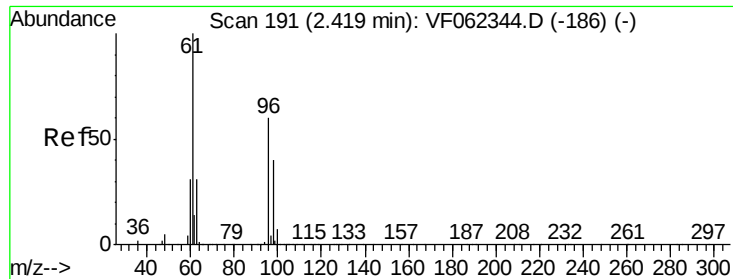
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#20
Methylene Chloride
Concen: 24.183 ug/l m
RT: 2.34 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 84 Resp: 49792
Ion Ratio Lower Upper
84 100
49 159.0 117.5 176.3
51 54.0 37.0 55.4
86 61.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.195 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

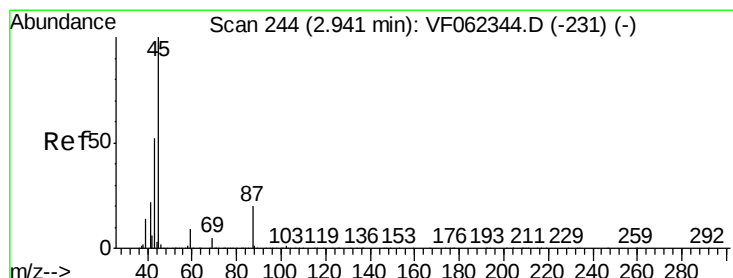
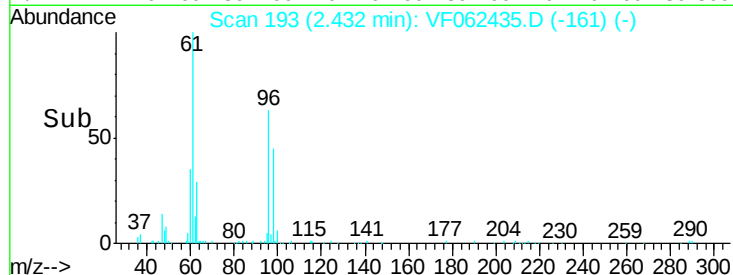
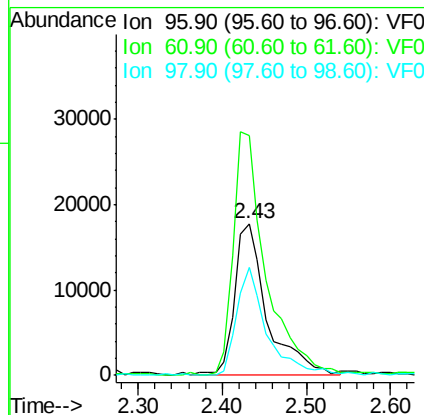
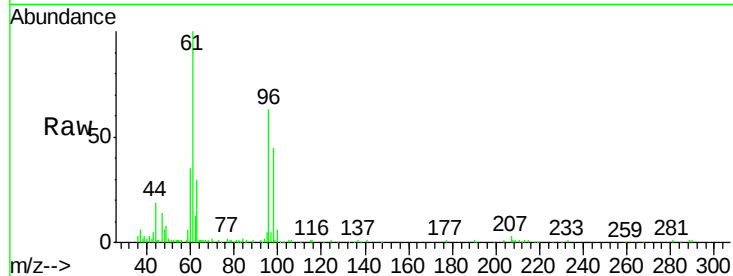
ClientSampleId :

VF0510SBS02

Tgt Ion:	96	Resp:	48263
Ion Ratio	Lower	Upper	
96	100		
61	156.0	133.2	199.8
98	71.2	53.1	79.7

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#22

Diisopropyl ether

Concen: 22.739 ug/l

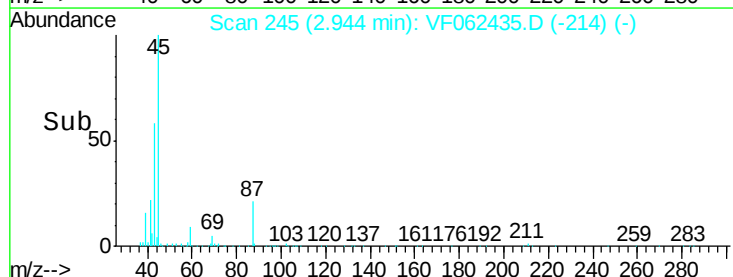
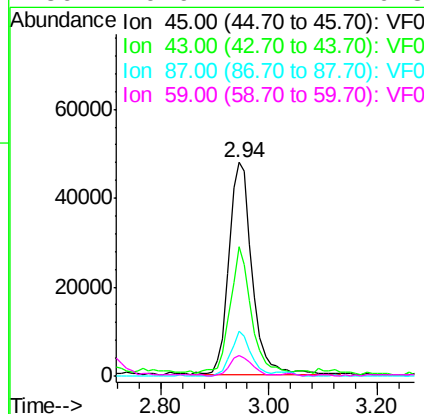
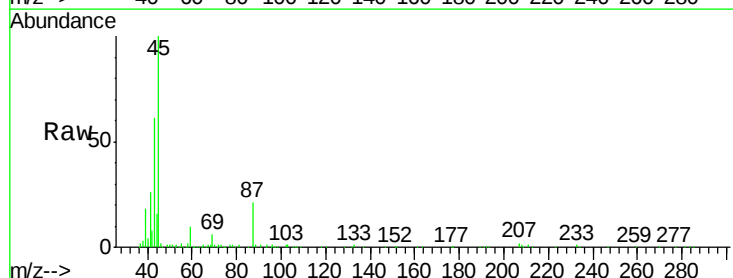
RT: 2.94 min Scan# 245

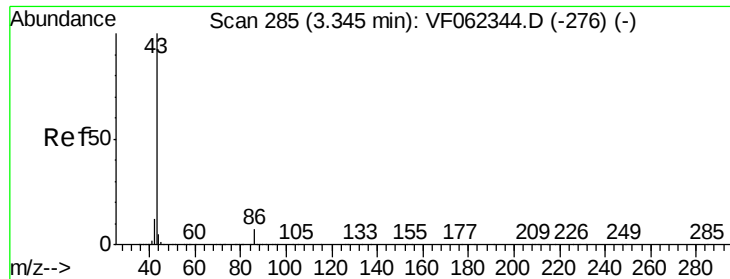
Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	45	Resp:	143281
Ion Ratio	Lower	Upper	
45	100		
43	58.9	41.4	62.0
87	21.2	15.8	23.6
59	9.9	7.2	10.8





#23

Vinyl Acetate

Concen: 107.495 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 43 Resp: 301881

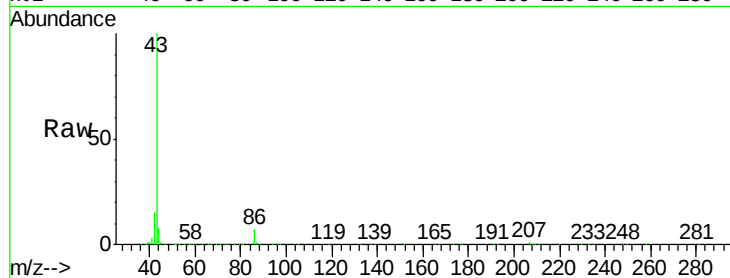
Ion Ratio Lower Upper

43 100

86 6.9 5.7 8.5

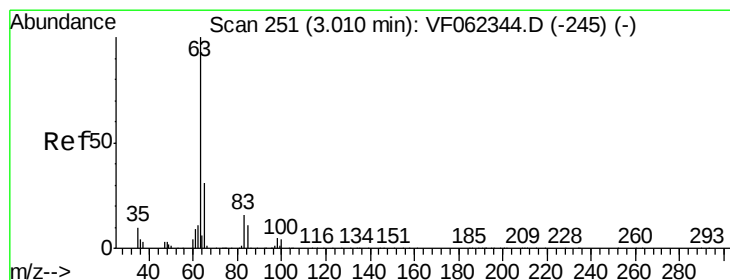
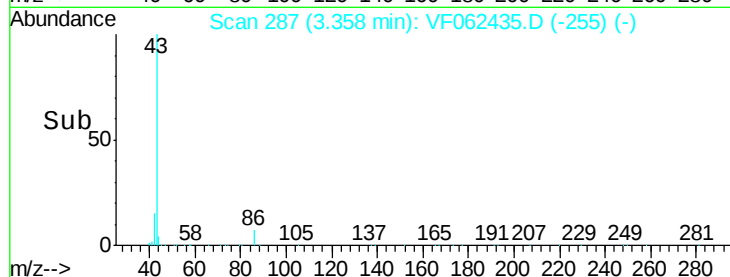
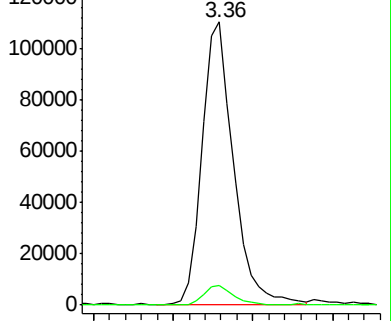
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 23.317 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

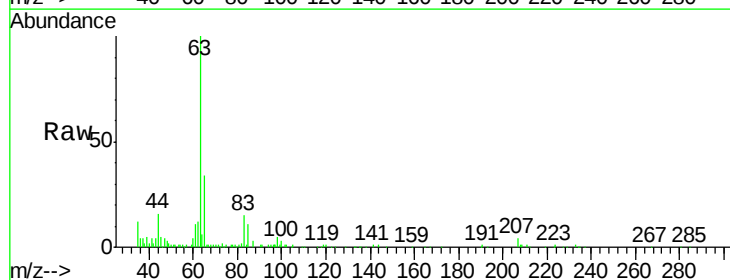
Tgt Ion: 63 Resp: 88797

Ion Ratio Lower Upper

63 100

98 4.9 2.6 8.0

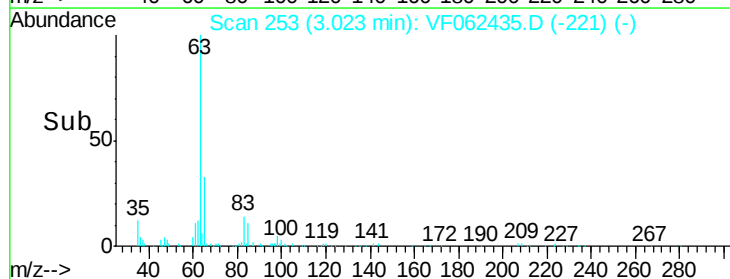
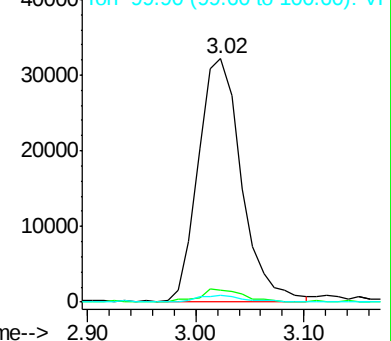
100 2.9 1.8 5.4

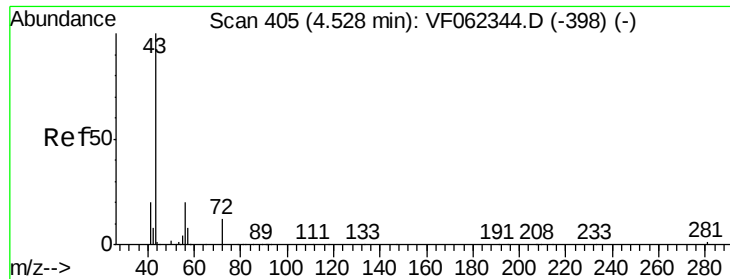


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 106.478 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion: 43 Resp: 76128

Ion Ratio Lower Upper

43 100

72 20.6 14.2 21.4

Instrument :

MSVOA_F

ClientSampleId :

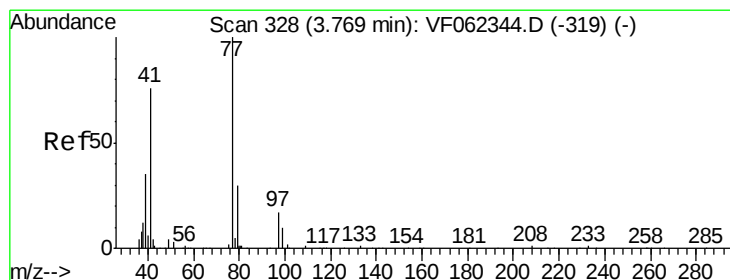
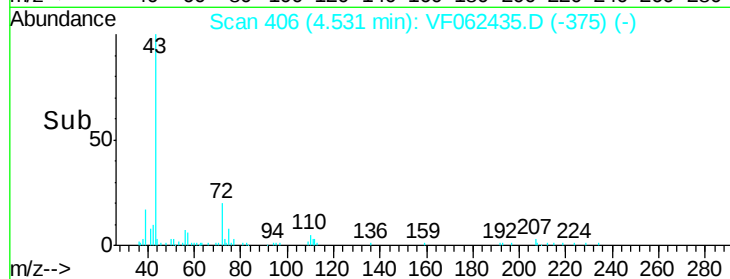
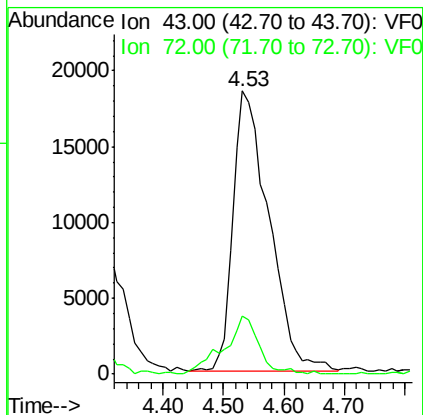
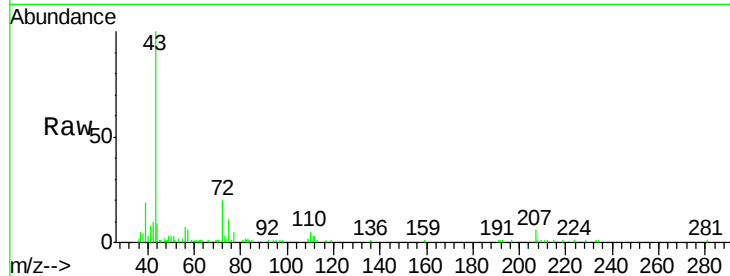
VF0510SBS02

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#26

2,2-Dichloropropane

Concen: 22.747 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062435.D

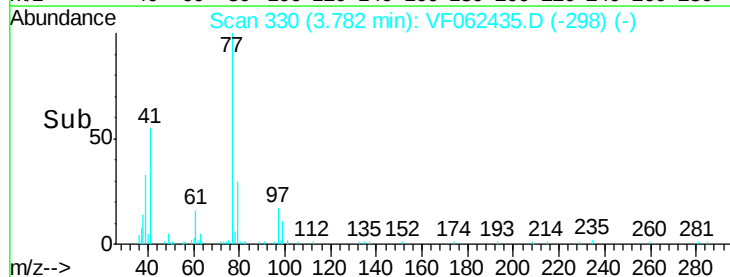
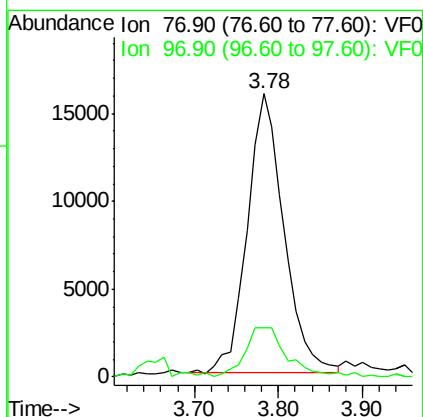
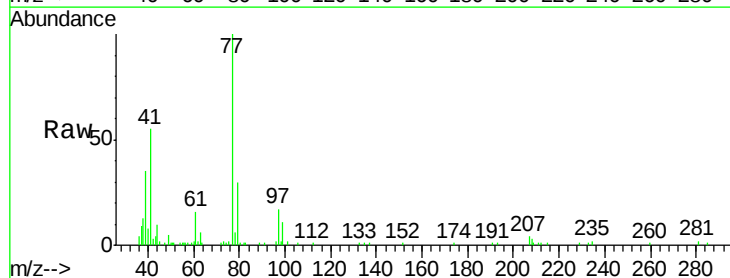
Acq: 10 May 2019 23:02

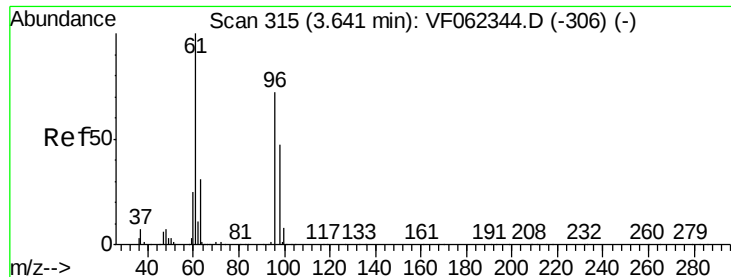
Tgt Ion: 77 Resp: 48377

Ion Ratio Lower Upper

77 100

97 20.6 9.5 28.5





#27

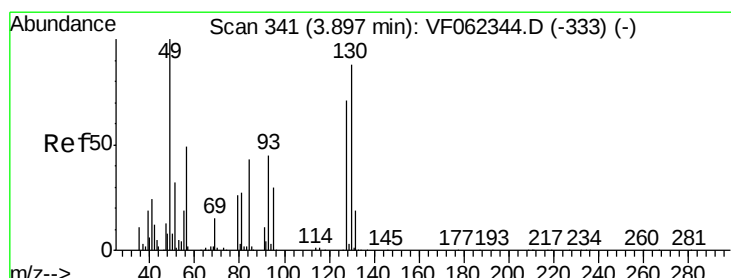
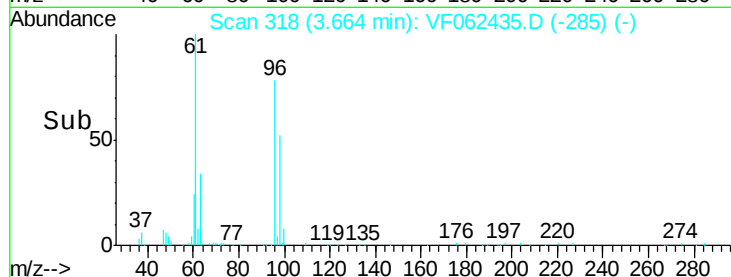
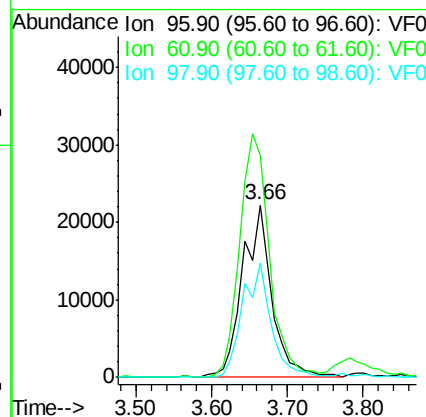
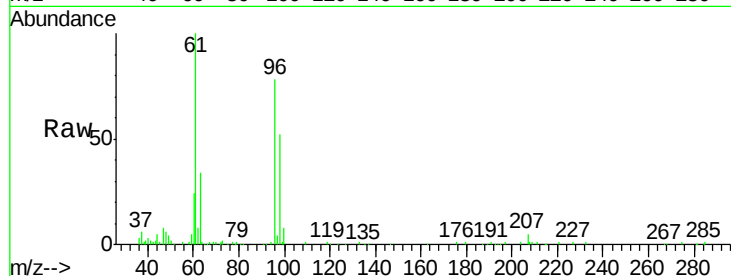
cis-1,2-Dichloroethene
Concen: 21.899 ug/l
RT: 3.66 min Scan# 318
Delta R.T. 0.02 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	59525		
61	143.0		0.0	263.0
98	64.6		0.0	130.8

Manual Integrations
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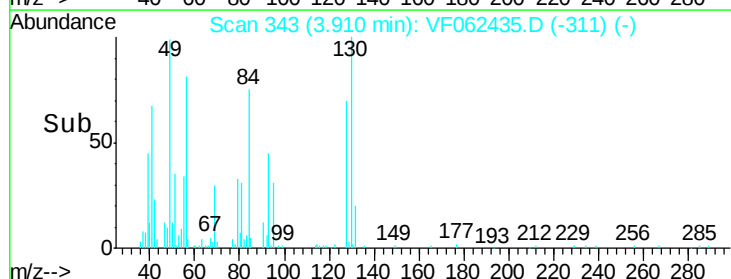
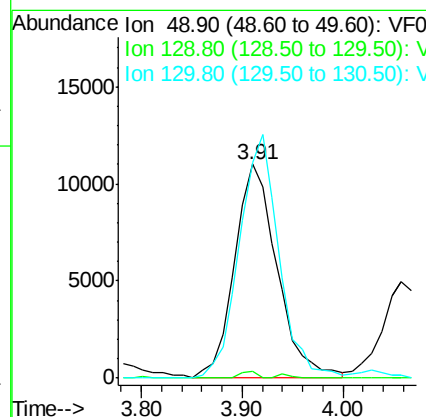
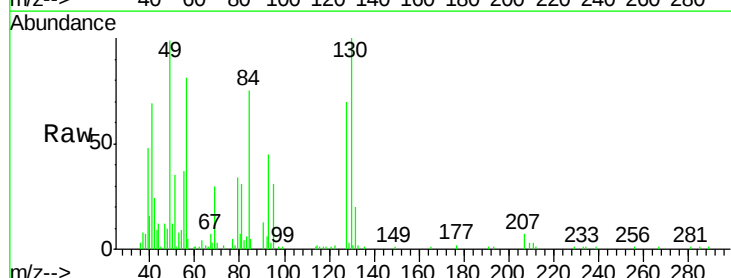
MMDadoda
5/11/2019 3:49:14 PM

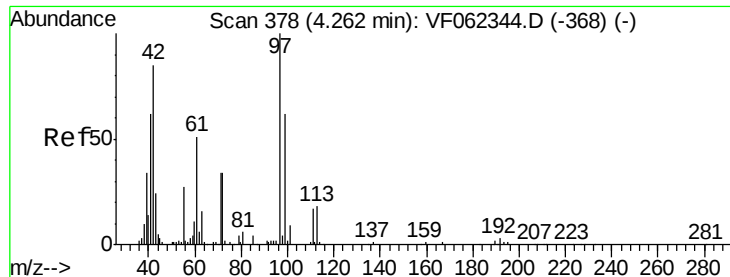


#28

Bromochloromethane
Concen: 18.803 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32475		
129	1.1		0.0	2.2
130	105.2		79.4	119.0





#29

Tetrahydrofuran

Concen: 110.412 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

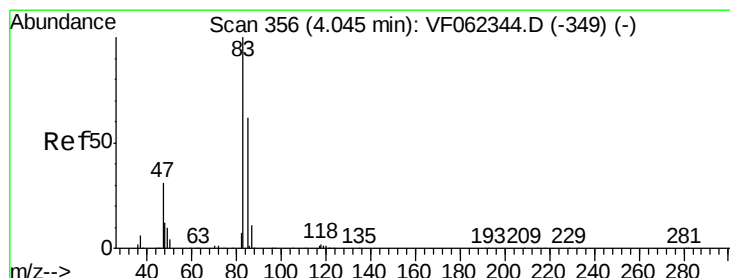
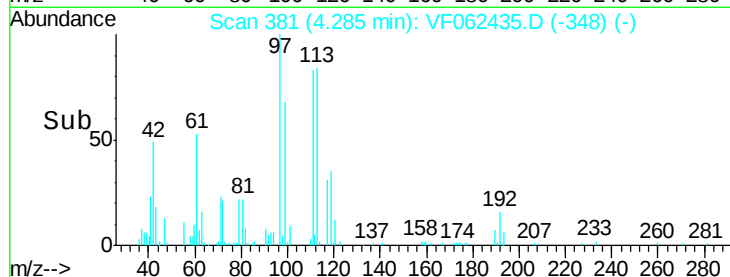
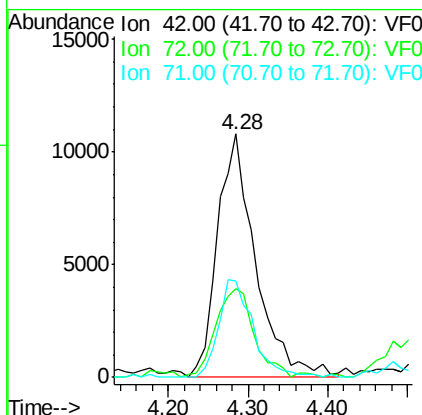
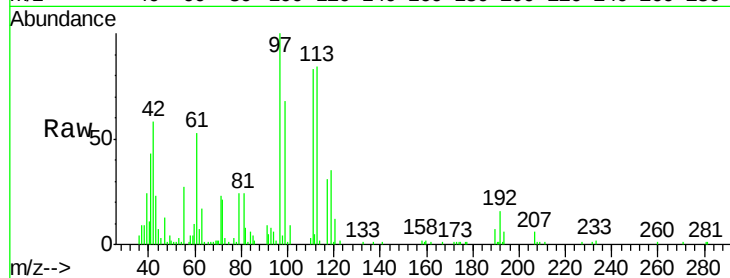
ClientSampleId :

VF0510SBS02

Tgt Ion:	42	Resp:	36281
Ion	Ratio	Lower	Upper
42	100		
72	36.7	31.4	47.0
71	36.0	31.7	47.5

Manual Integrations
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#30

Chloroform

Concen: 25.284 ug/l

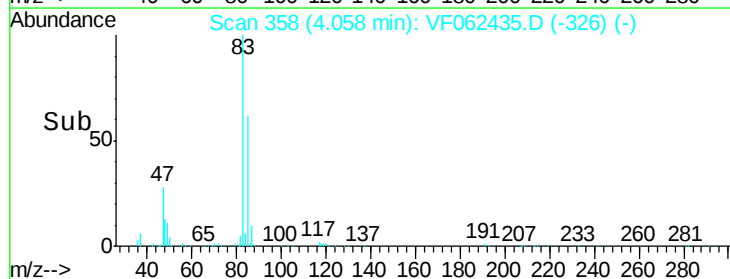
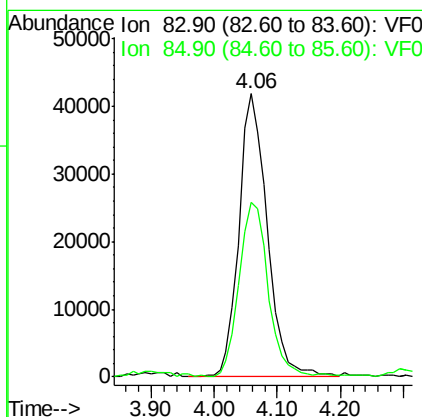
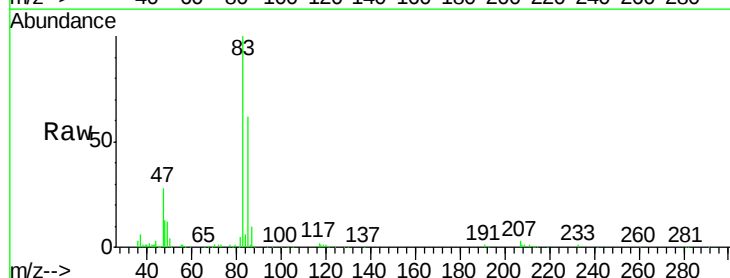
RT: 4.06 min Scan# 358

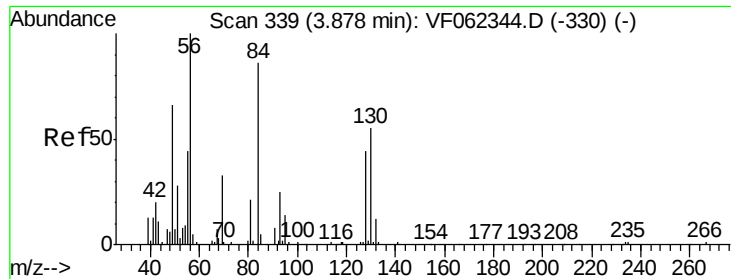
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	83	Resp:	130084
Ion	Ratio	Lower	Upper
83	100		
85	60.9	49.6	74.4





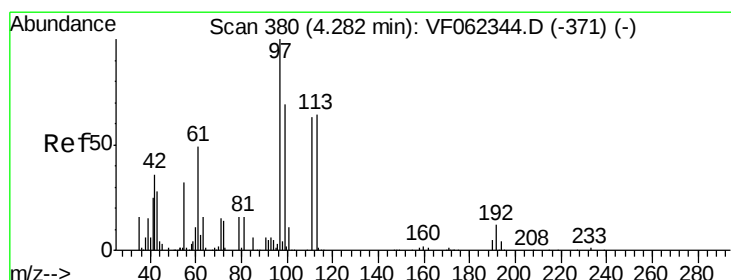
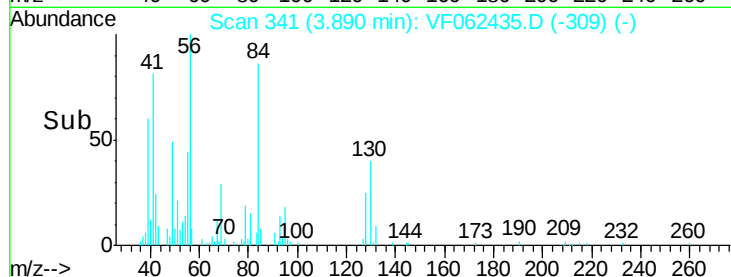
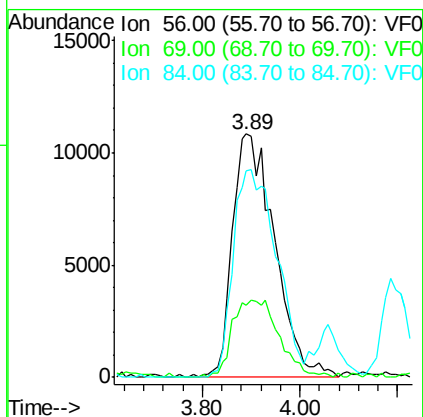
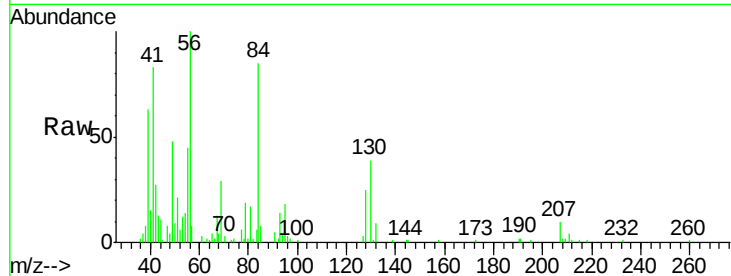
#31
Cyclohexane
Concen: 21.422 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.4	26.4	39.6
84	84.8	69.0	103.6

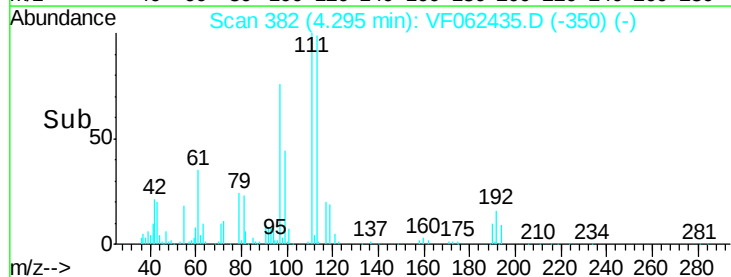
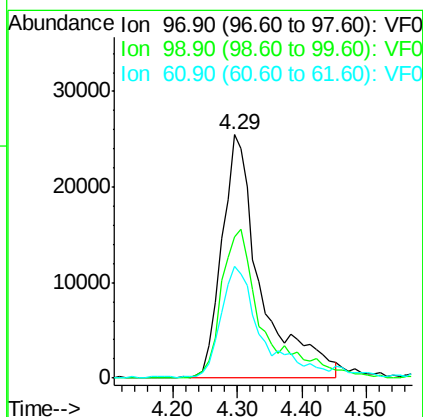
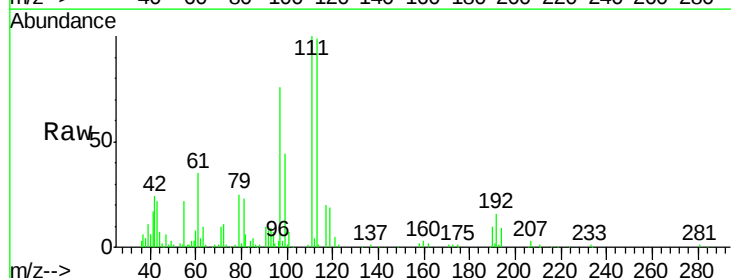
Manual Integrations
APPROVED

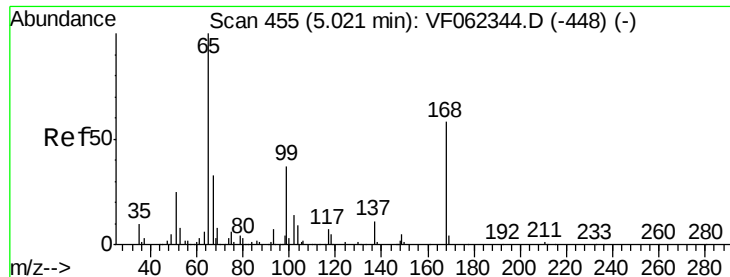
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#32
1,1,1-Trichloroethane
Concen: 24.529 ug/l m
RT: 4.29 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.6	78.8
61	48.2	39.4	59.0





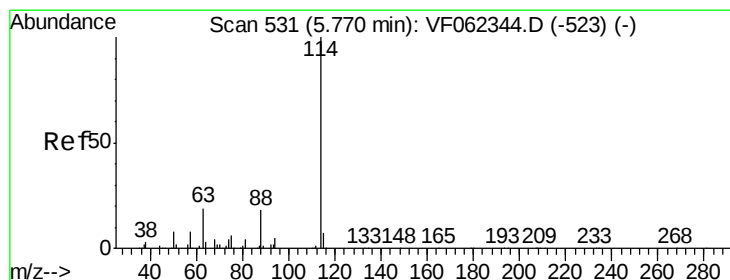
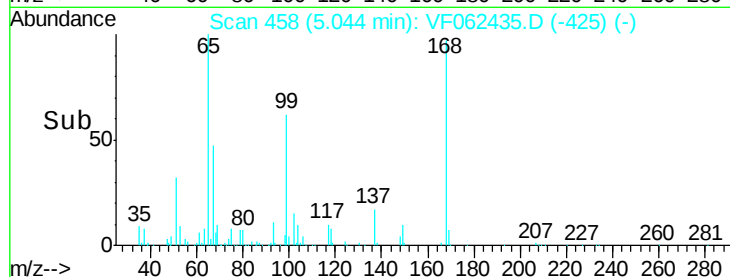
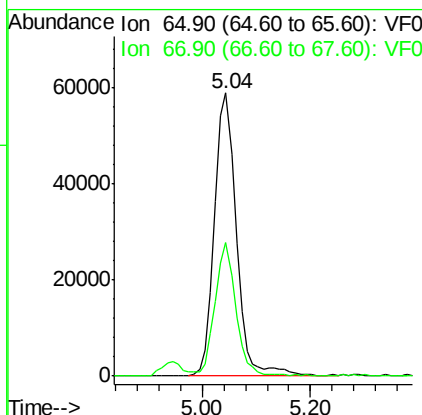
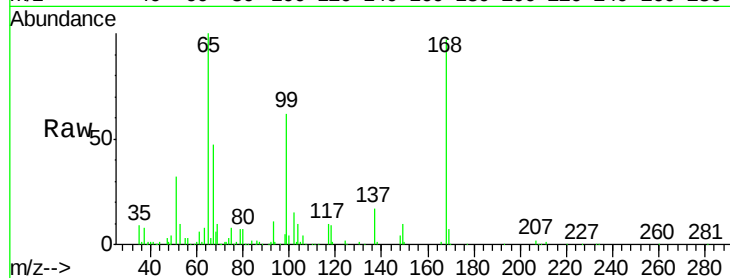
#33
 1,2-Dichloroethane-d4
 Concen: 59.374 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion: 65 Resp: 167032
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 85.8

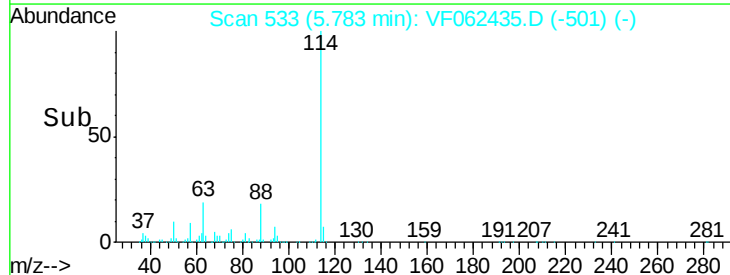
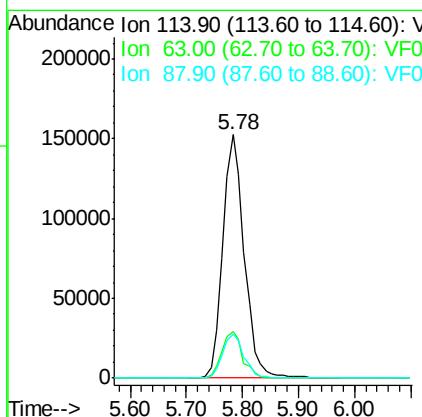
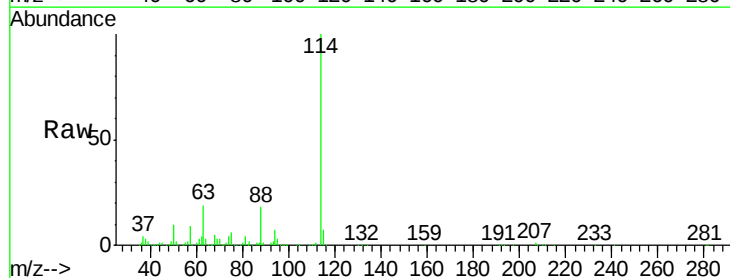
Manual Integrations
 APPROVED

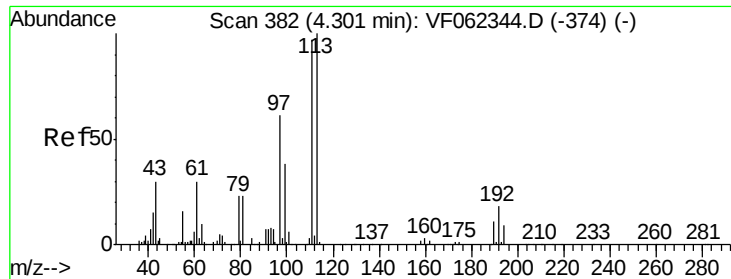
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion: 114 Resp: 406782
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.4
 88 17.9 0.0 36.4





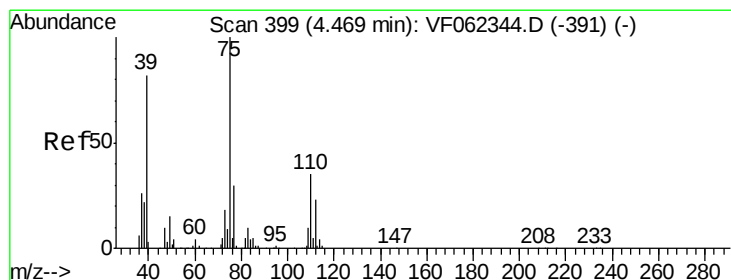
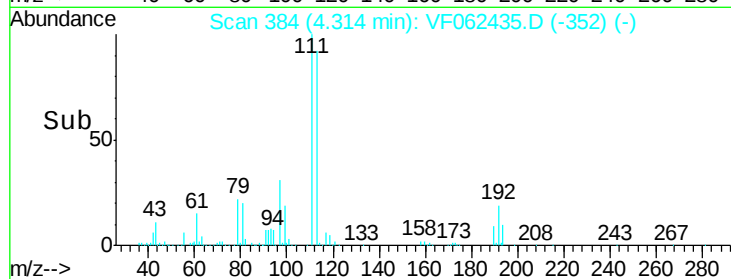
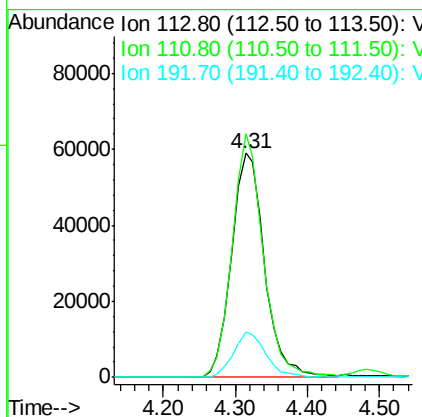
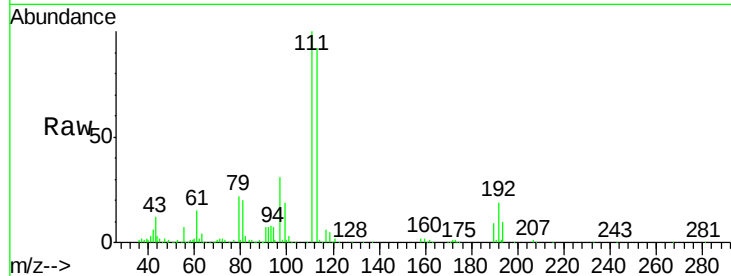
#35
Dibromofluoromethane
Concen: 58.223 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	188688		
111	101.5	79.4	119.0	
192	20.3	16.0	24.0	

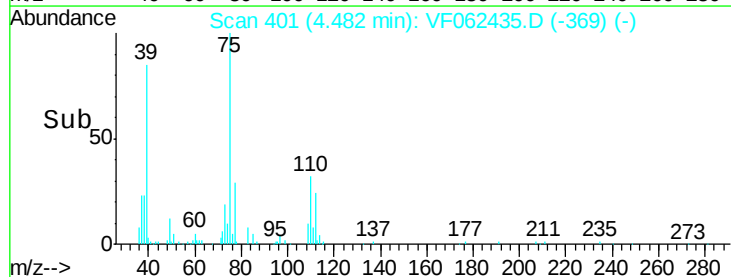
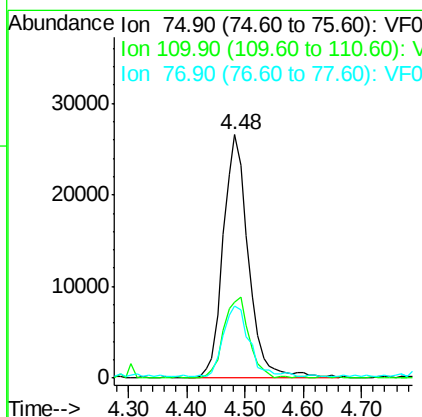
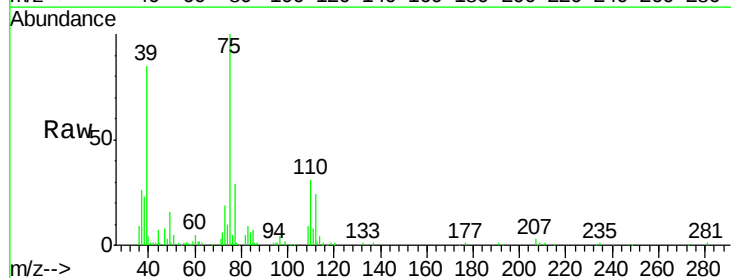
Manual Integrations
APPROVED

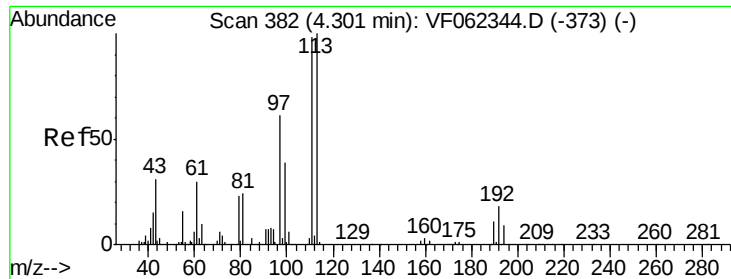
MMDadoda
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#36
1,1-Dichloropropene
Concen: 23.006 ug/l
RT: 4.48 min Scan# 401
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80392		
110	33.5	17.2	51.5	
77	30.3	25.2	37.8	





#37

Ethyl Acetate

Concen: 22.772 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

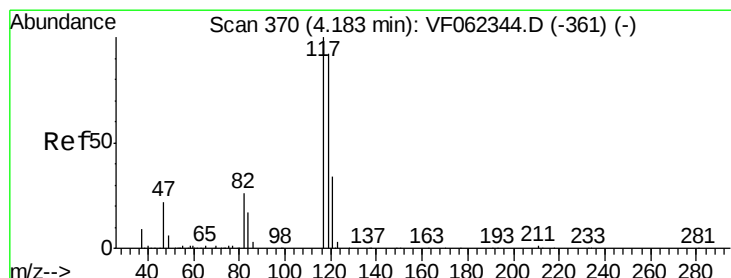
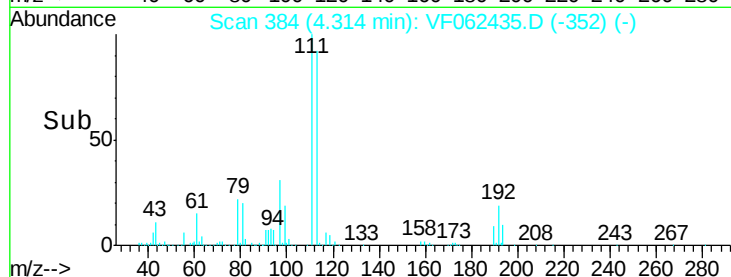
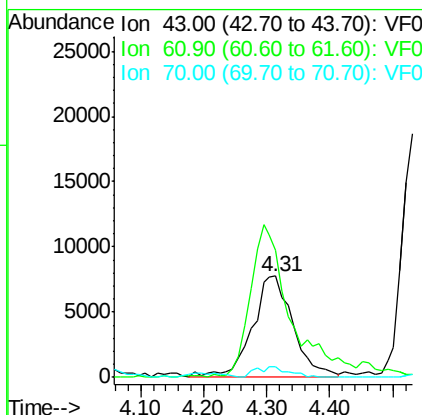
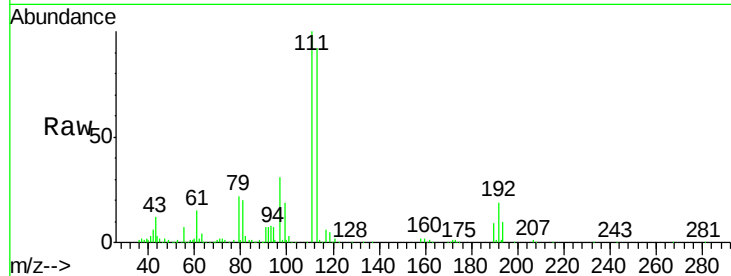
ClientSampleId :

VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	149.3	0.0	0.0#
70	8.1	8.2	12.2#

Manual Integrations
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5/11/2019 3:49:14 PM



#38

Carbon Tetrachloride

Concen: 25.747 ug/l

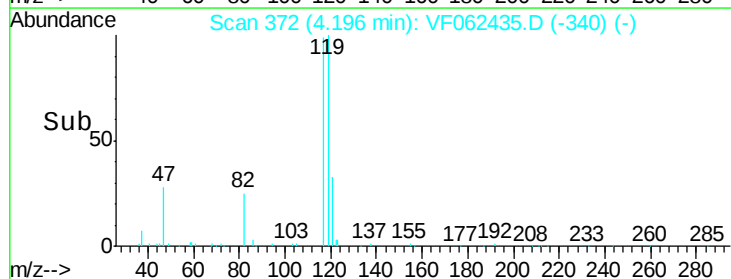
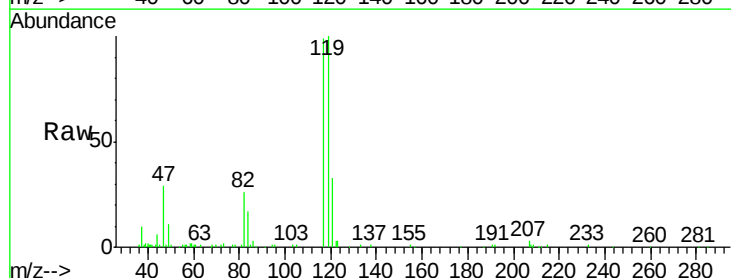
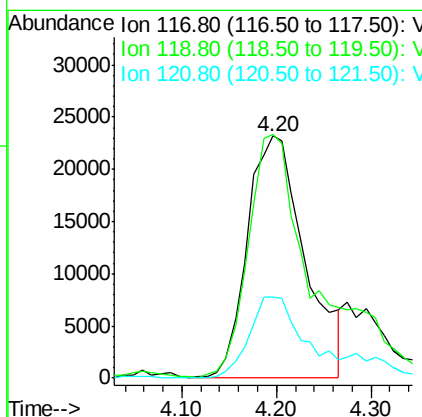
RT: 4.20 min Scan# 372

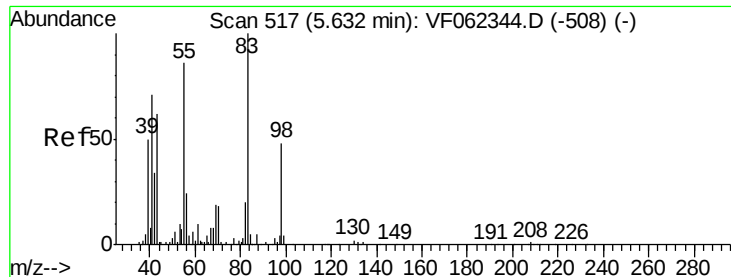
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	73.4	110.2
121	33.6	27.4	41.0





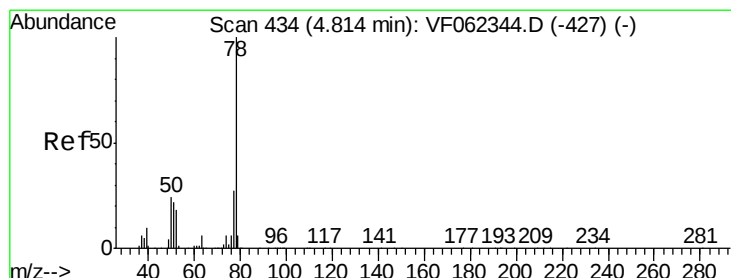
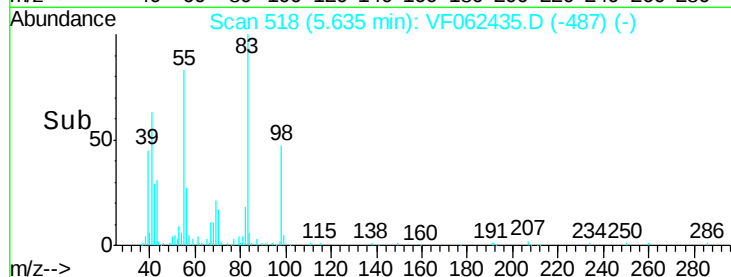
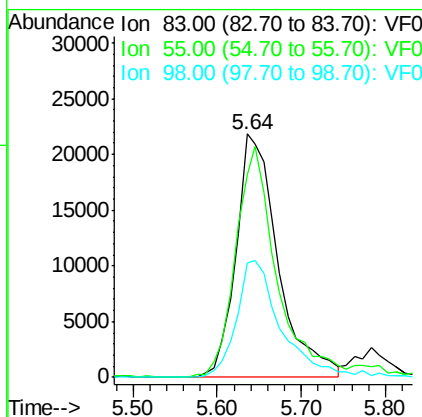
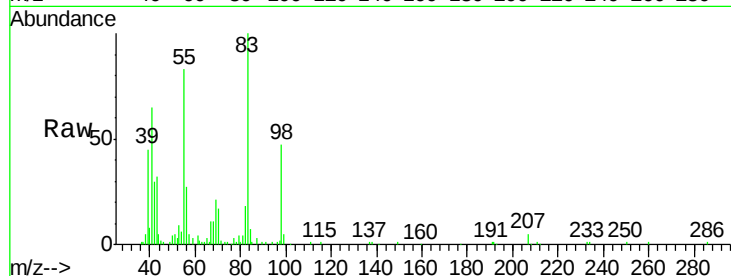
#39
Methylcyclohexane
Concen: 21.730 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.1	69.0	103.6
98	47.0	38.6	58.0

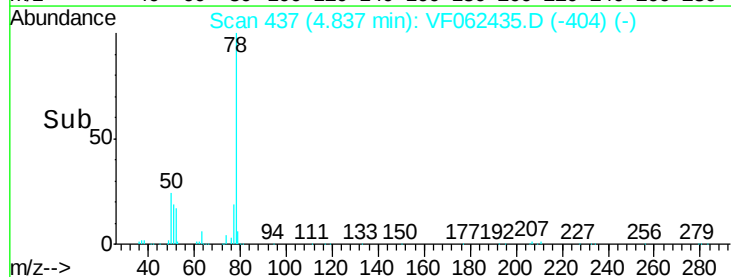
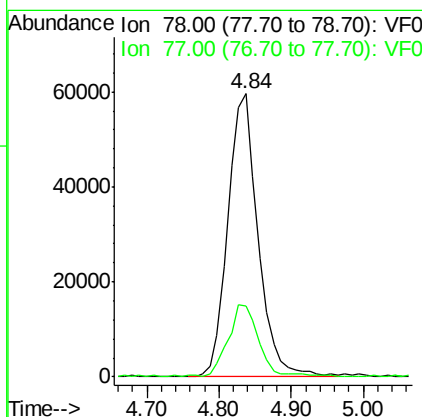
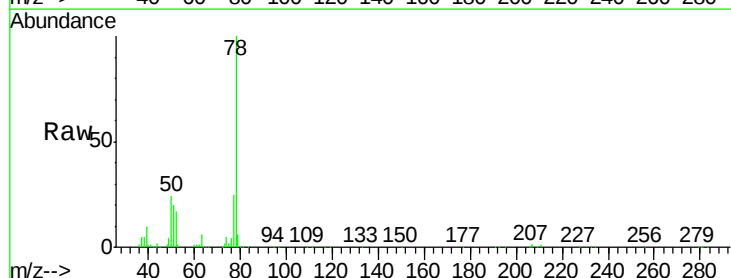
Manual Integrations
APPROVED

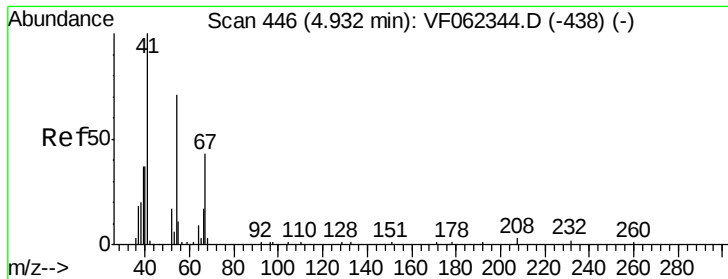
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#40
Benzene
Concen: 22.664 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	21.6	32.4





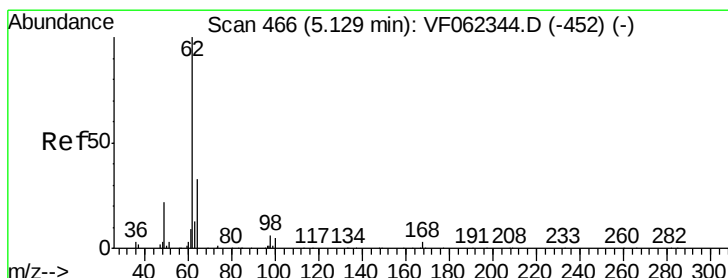
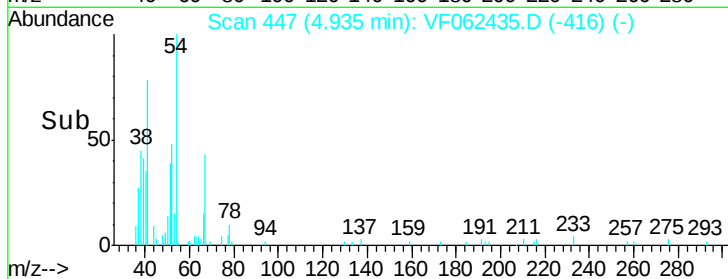
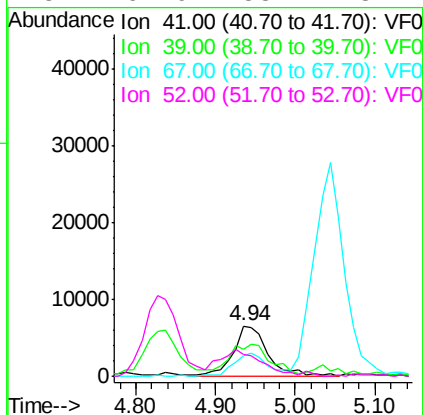
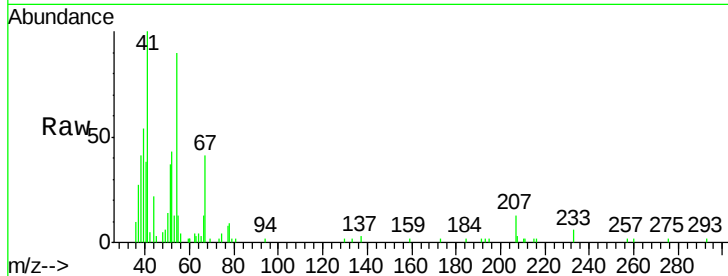
#41
Methacrylonitrile
Concen: 23.985 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.9	54.3	81.5
67	40.7	37.8	56.8
52	62.9	58.2	87.4

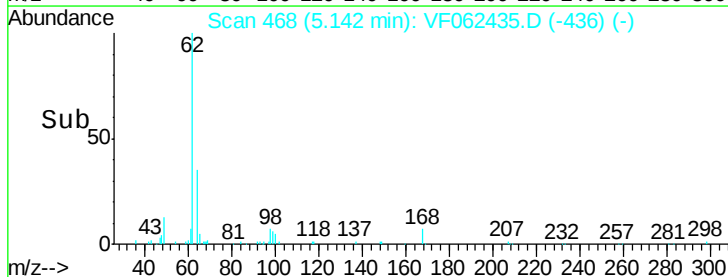
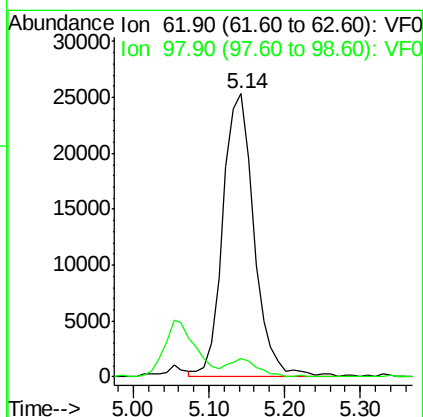
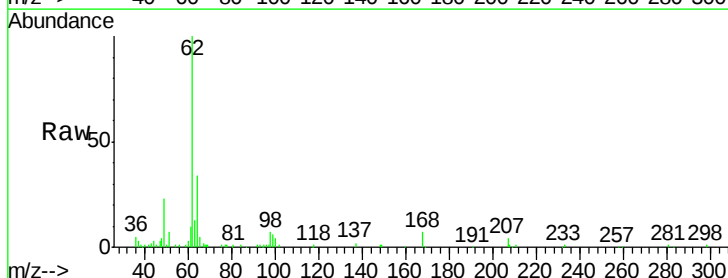
Manual Integrations
APPROVED

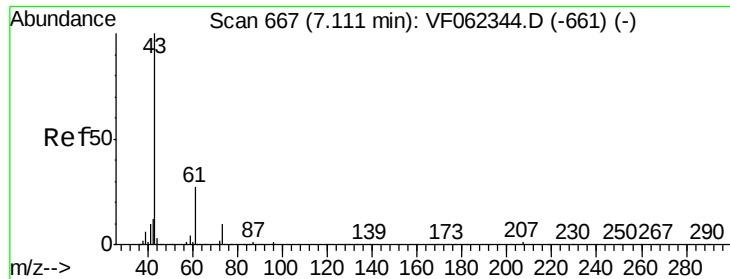
MMDadoda
5/11/2019 3:49:14 PM



#42
1,2-Dichloroethane
Concen: 22.591 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	12.4





#43

Isopropyl Acetate

Concen: 19.909 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

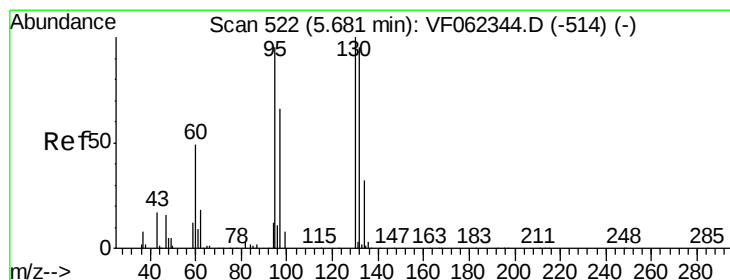
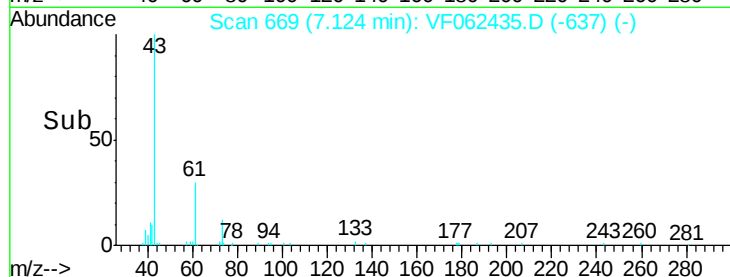
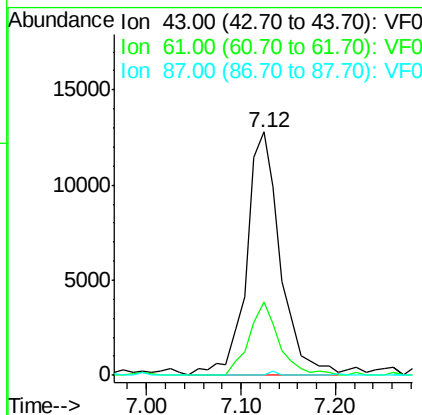
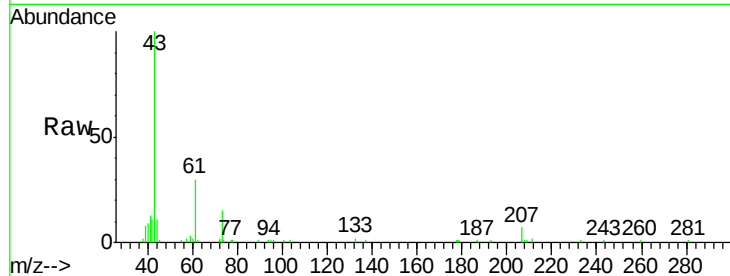
ClientSampleId :

VF0510SBS02

Tgt Ion:	43	Resp:	31644
Ion	Ratio	Lower	Upper
43	100		
61	26.7	22.8	34.2
87	0.4	0.6	1.0#

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#44

Trichloroethene

Concen: 23.539 ug/l

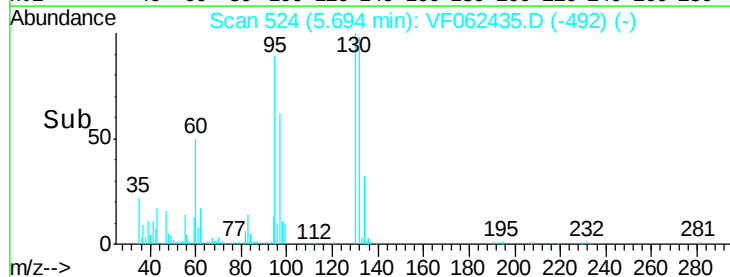
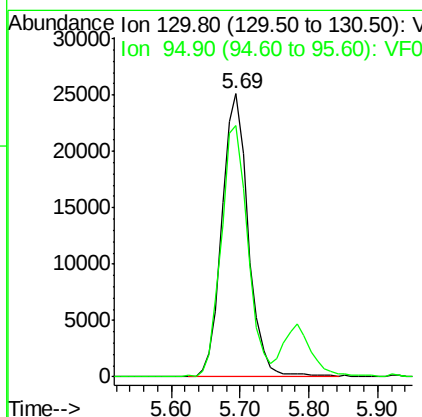
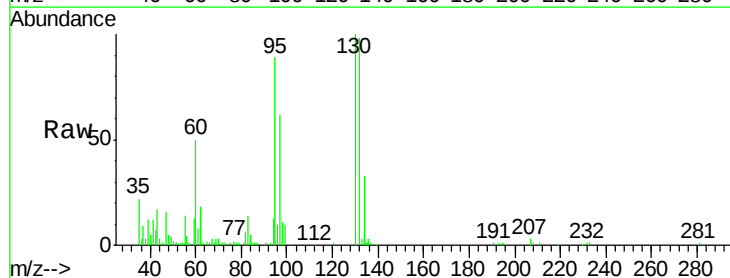
RT: 5.69 min Scan# 524

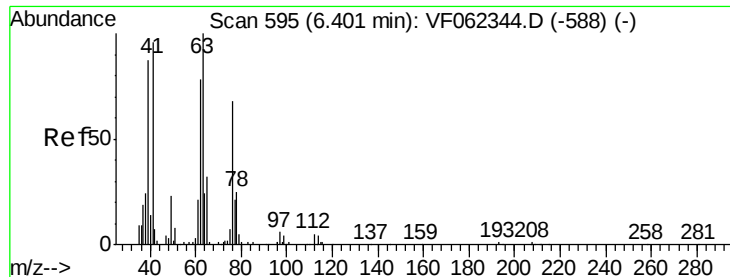
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	130	Resp:	66538
Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	189.0





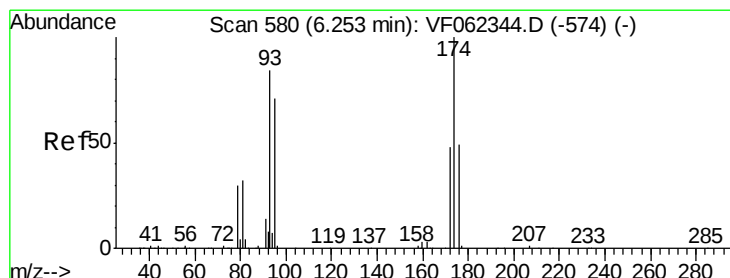
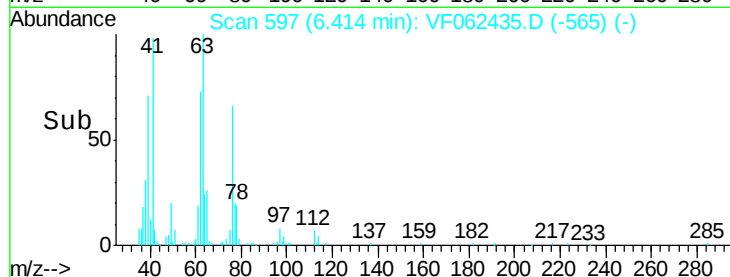
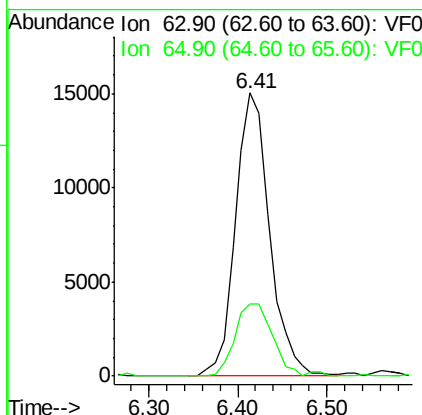
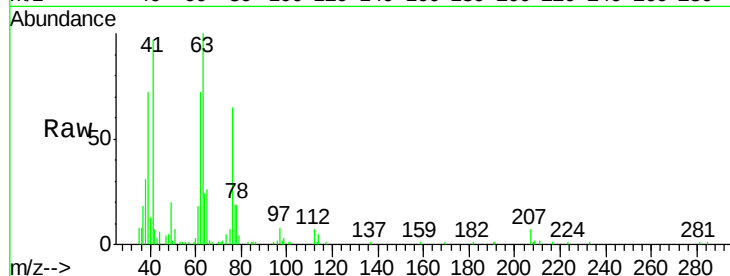
#45
1,2-Dichloropropane
Concen: 23.082 ug/l
RT: 6.41 min Scan# 597
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 63 Resp: 40230
Ion Ratio Lower Upper
63 100
65 25.6 25.6 38.4

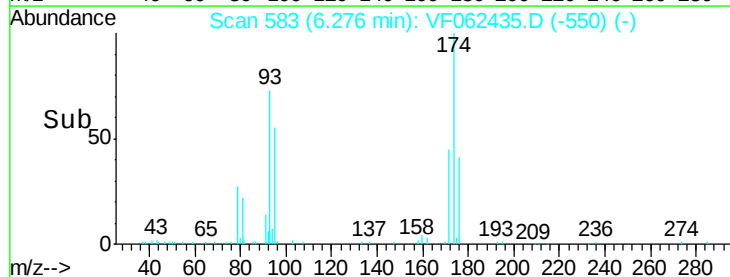
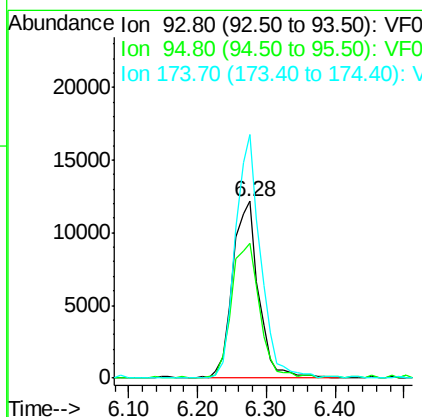
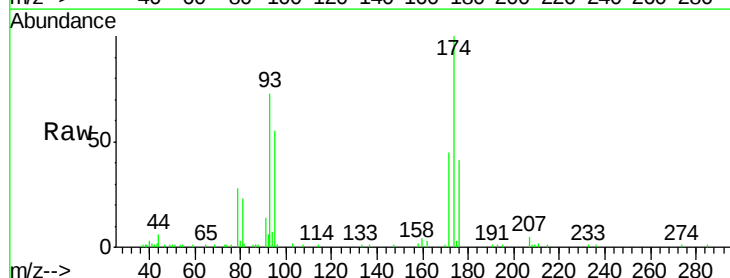
Manual Integrations
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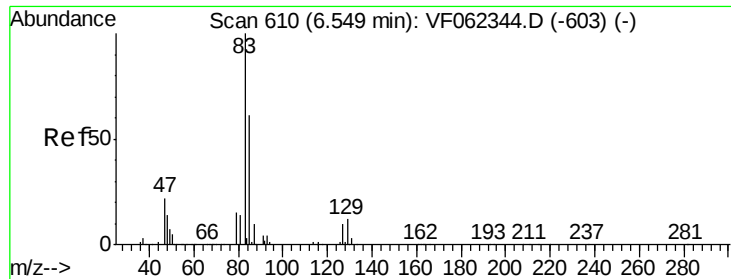
MMDadoda
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#46
Dibromomethane
Concen: 22.176 ug/l
RT: 6.28 min Scan# 583
Delta R.T. 0.02 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 93 Resp: 32046
Ion Ratio Lower Upper
93 100
95 81.8 68.4 102.6
174 132.0 99.6 149.4





#47

Bromodichloromethane

Concen: 22.304 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

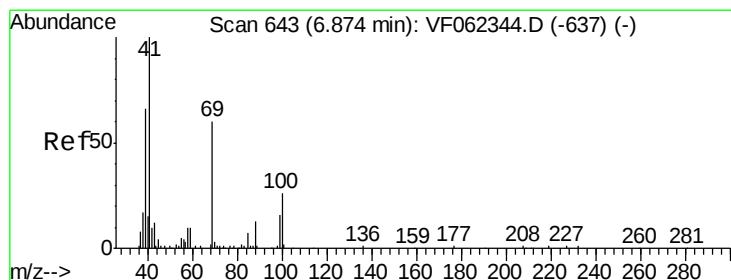
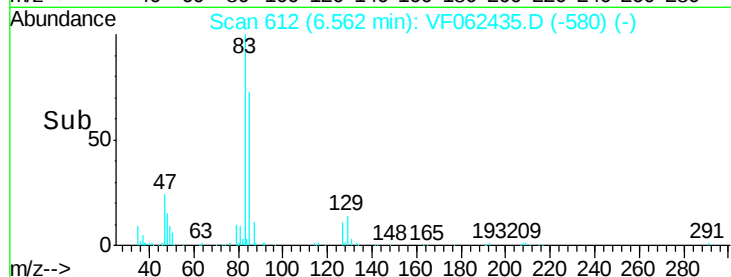
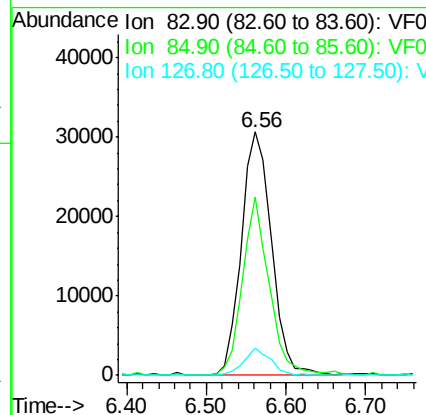
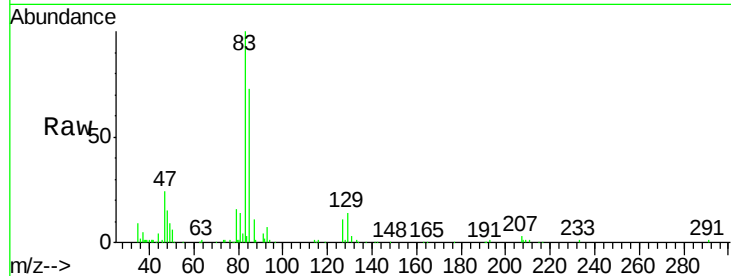
ClientSampleId :

VF0510SBS02

Tgt Ion:	83	Resp:	80585
Ion	Ratio	Lower	Upper
83	100		
85	73.2	49.1	73.7
127	11.4	7.8	11.8

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#48

Methyl methacrylate

Concen: 19.171 ug/l

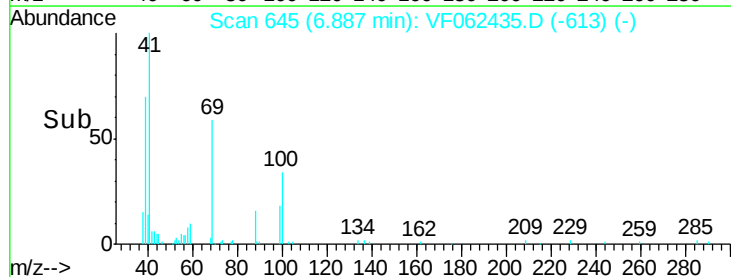
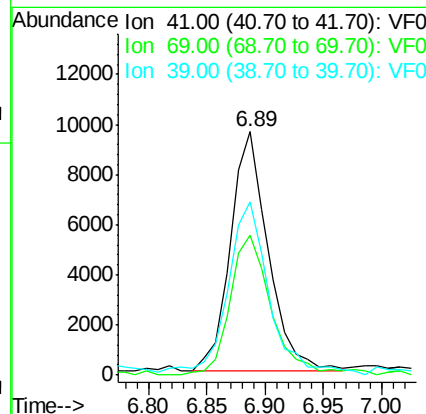
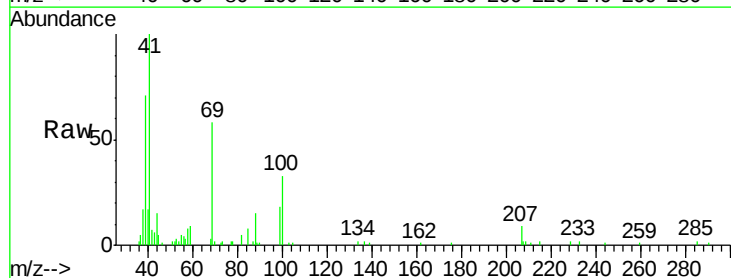
RT: 6.89 min Scan# 645

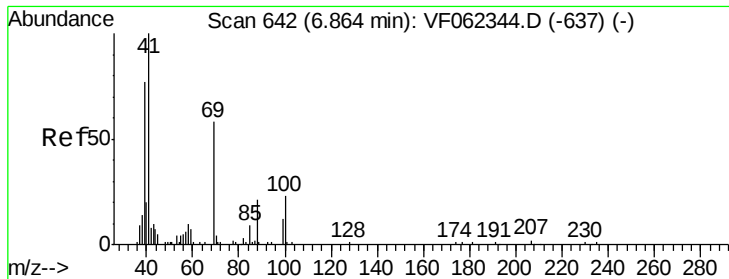
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	41	Resp:	21533
Ion	Ratio	Lower	Upper
41	100		
69	64.4	48.6	72.8
39	79.9	56.1	84.1





#49

1,4-Dioxane

Concen: 431.360 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

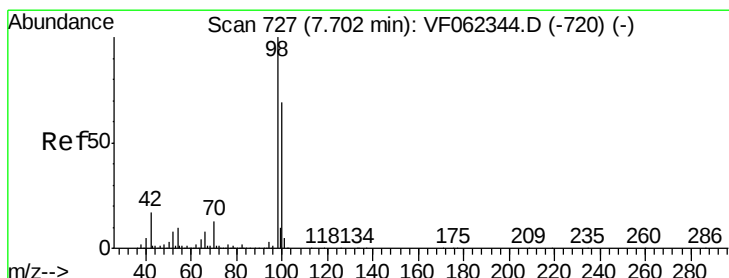
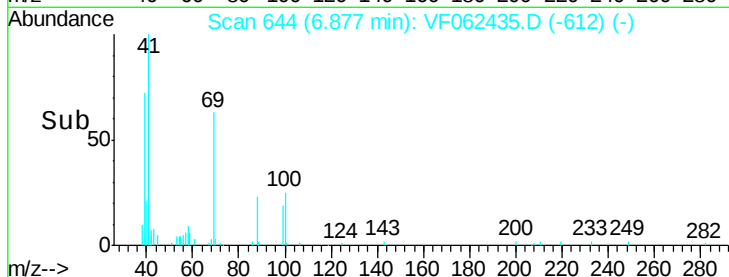
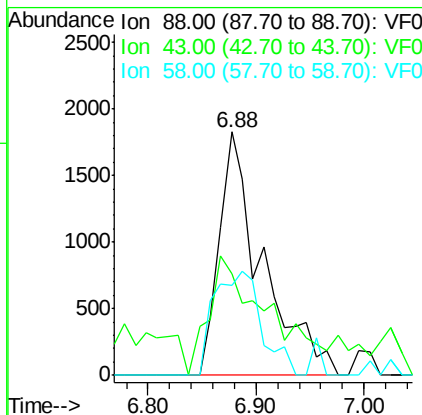
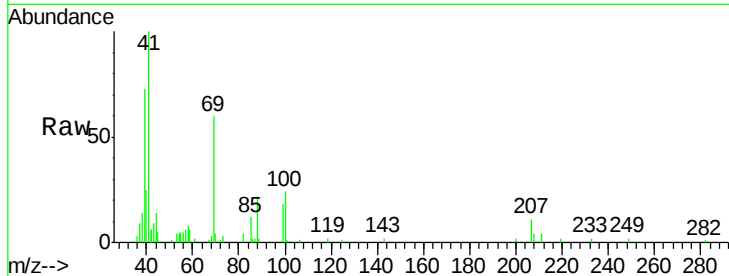
ClientSampleId :

VF0510SBS02

Tgt Ion:	88	Resp:	5069
Ion	Ratio	Lower	Upper
88	100		
43	69.2	55.6	83.4
58	46.9	52.8	79.2#

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#50

Toluene-d8

Concen: 51.777 ug/l

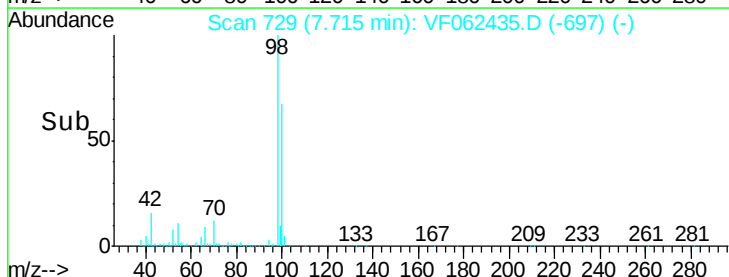
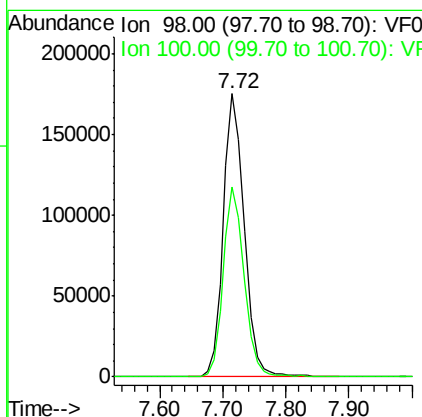
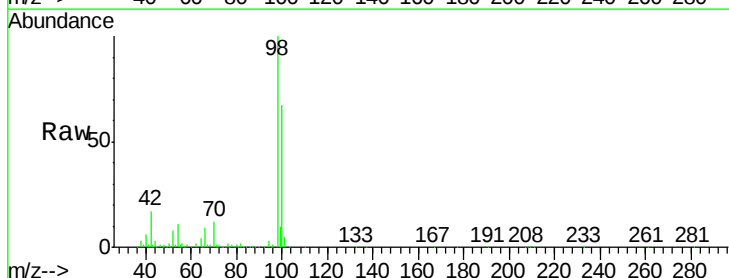
RT: 7.72 min Scan# 729

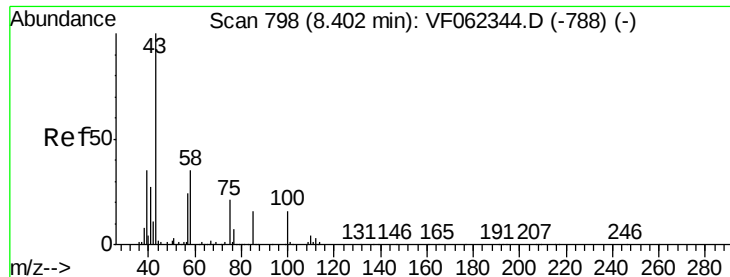
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	98	Resp:	406177
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 100.802 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 43 Resp: 121404

Ion Ratio Lower Upper

43 100

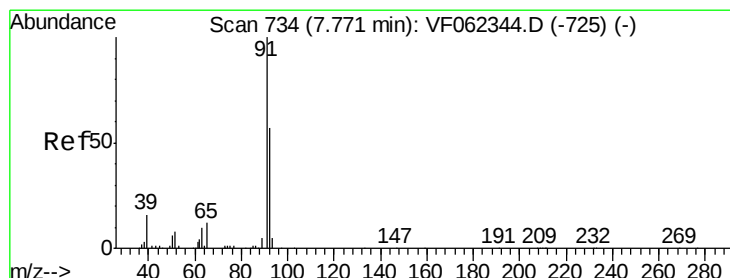
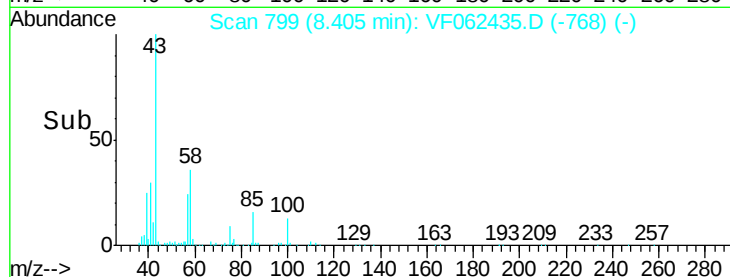
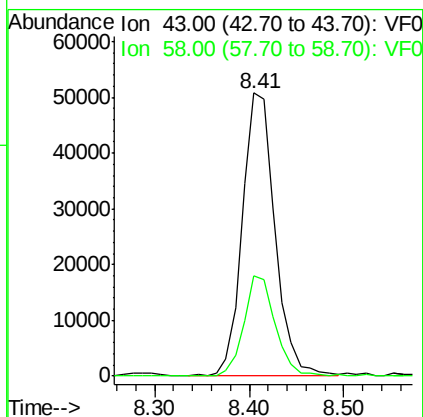
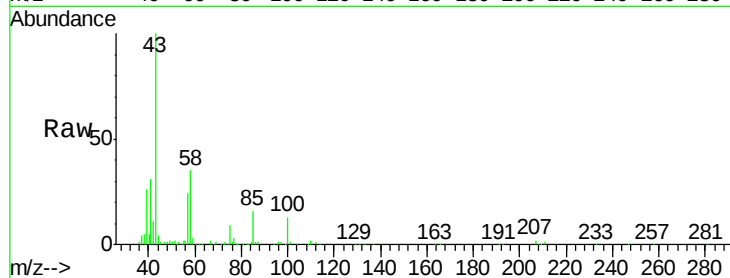
58 34.0 27.8 41.6

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#52

Toluene

Concen: 21.944 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062435.D

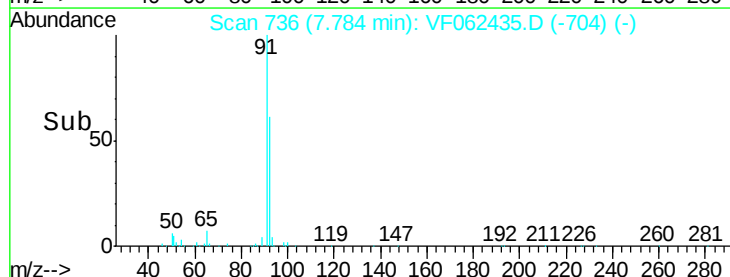
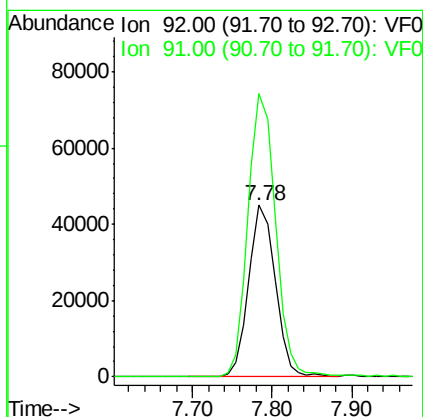
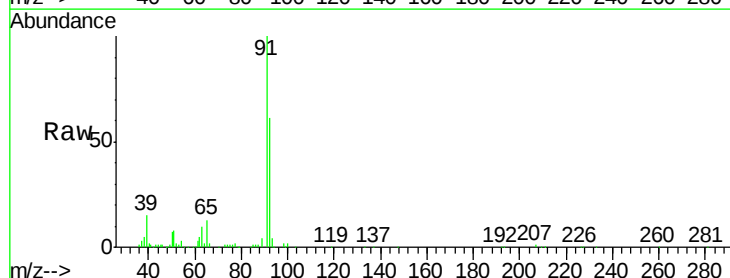
Acq: 10 May 2019 23:02

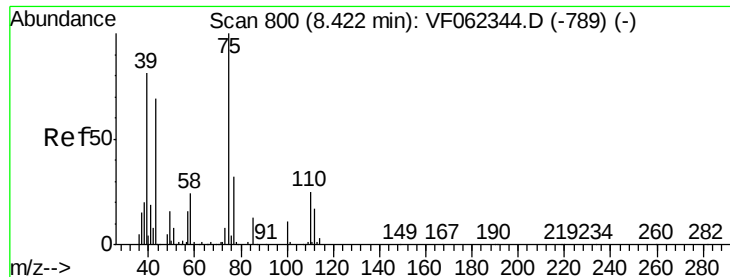
Tgt Ion: 92 Resp: 104170

Ion Ratio Lower Upper

92 100

91 169.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 21.095 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 75 Resp: 57644

Ion Ratio Lower Upper

75 100

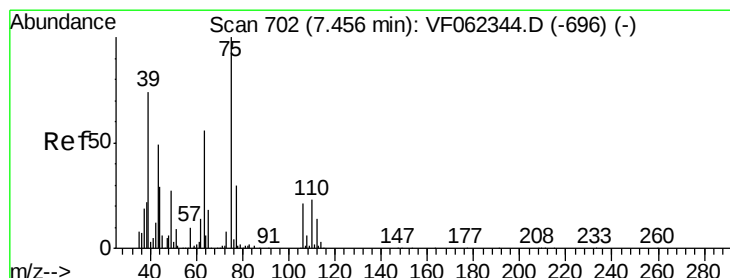
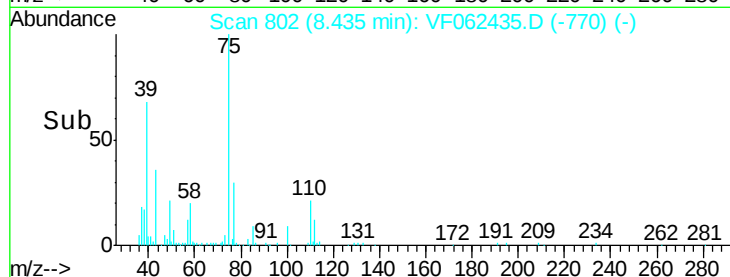
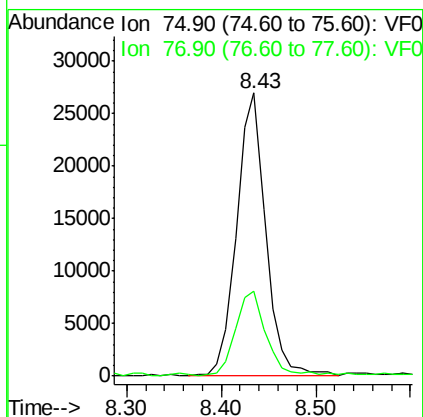
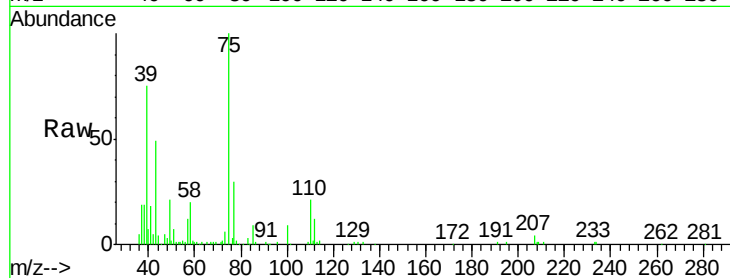
77 29.6 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.304 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

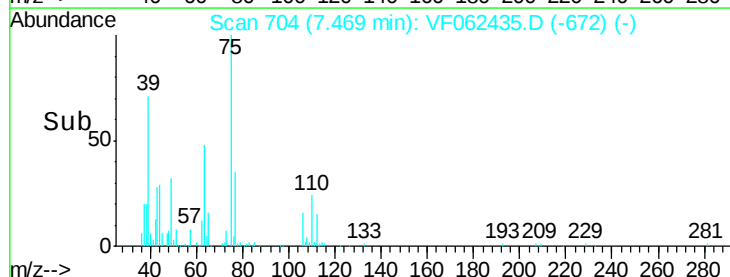
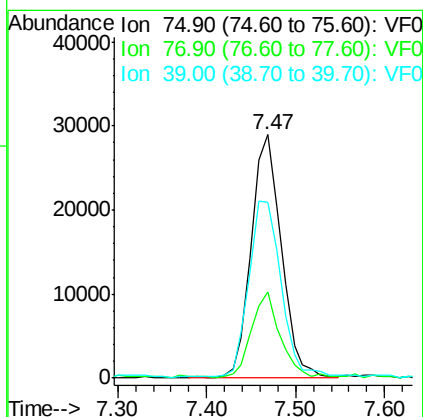
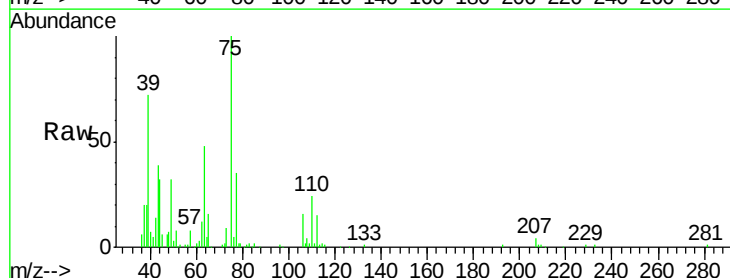
Tgt Ion: 75 Resp: 67752

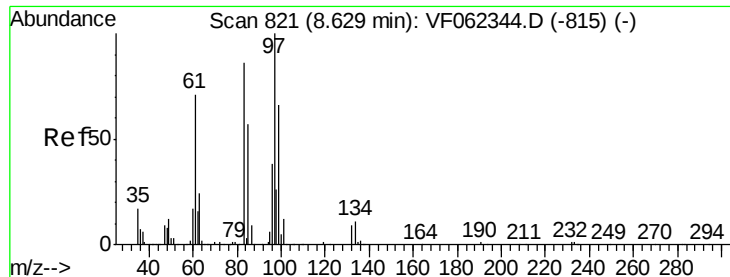
Ion Ratio Lower Upper

75 100

77 34.6 24.0 36.0

39 71.5 58.7 88.1





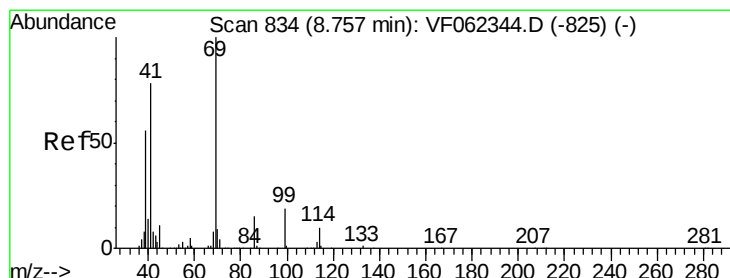
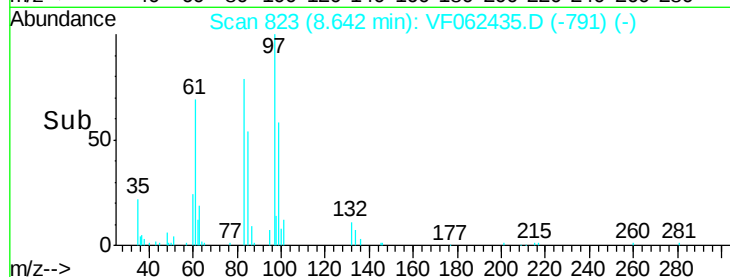
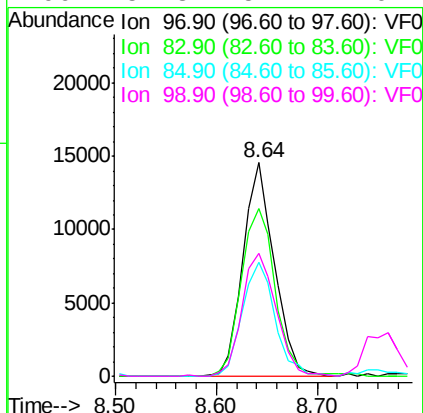
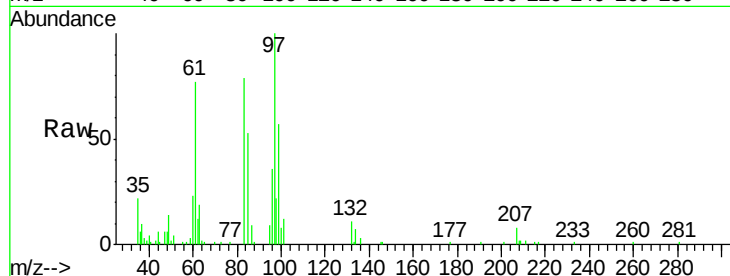
#55
 1,1,2-Trichloroethane
 Concen: 20.930 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.8	68.5	102.7
85	53.2	45.4	68.2
99	57.3	52.7	79.1

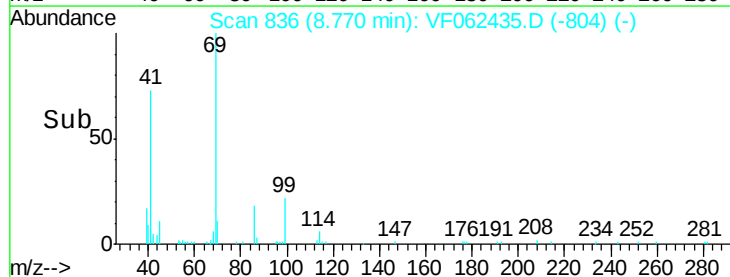
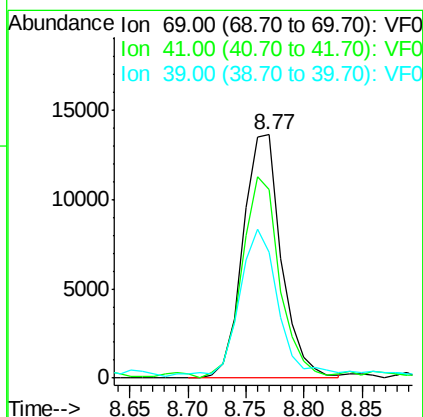
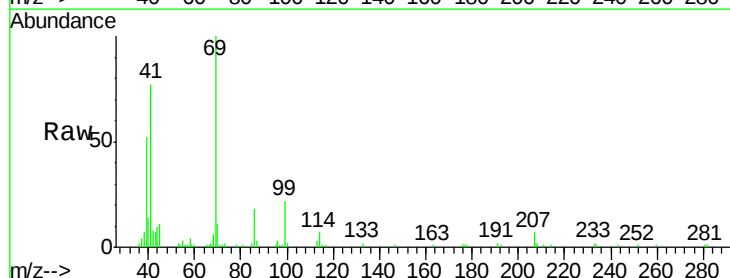
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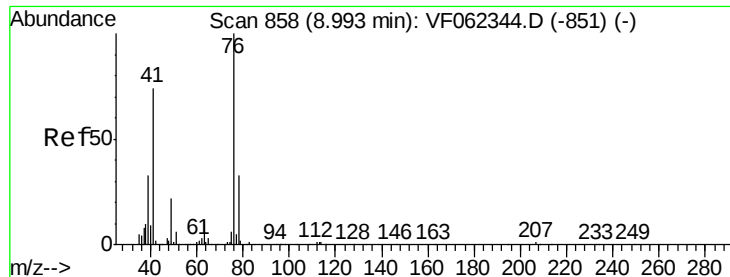
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#56
 Ethyl methacrylate
 Concen: 19.604 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	81.1	66.3	99.5
39	62.2	50.1	75.1





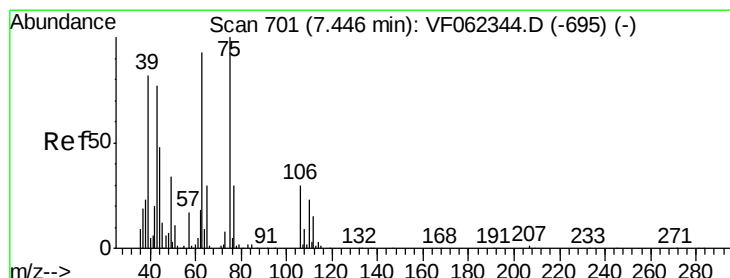
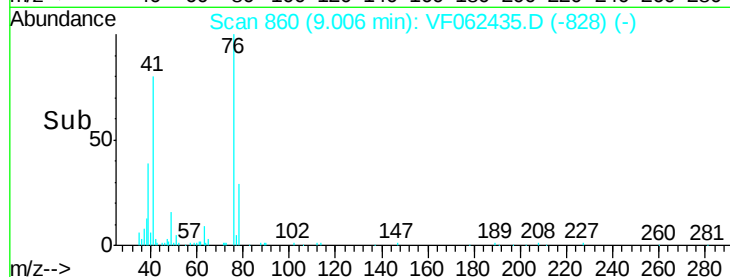
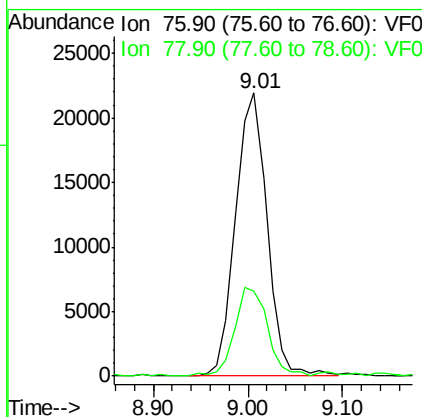
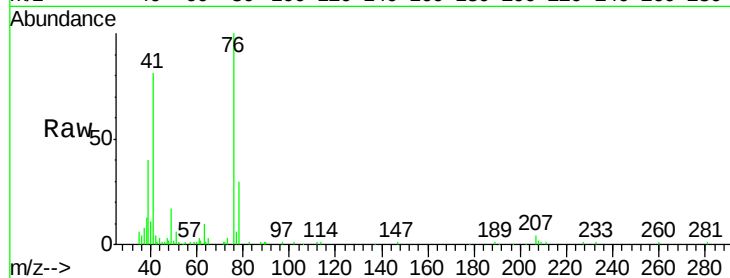
#57
 1,3-Dichloropropane
 Concen: 22.271 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.4	39.6

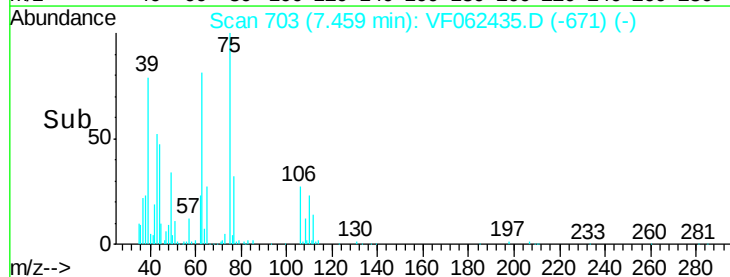
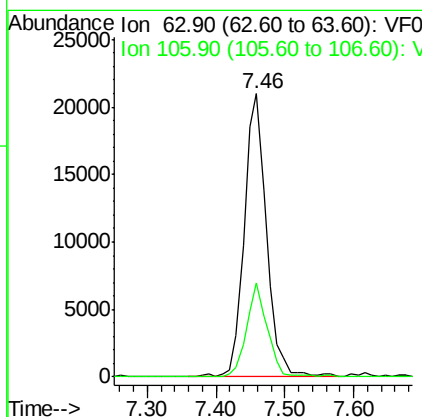
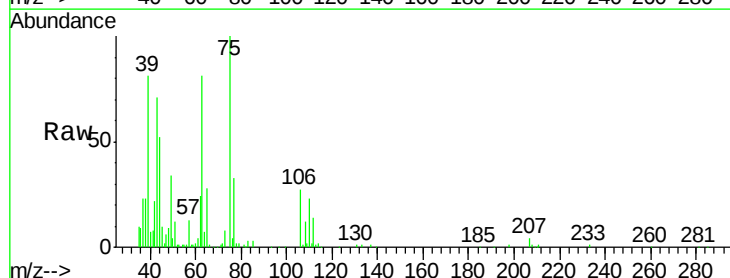
Manual Integrations
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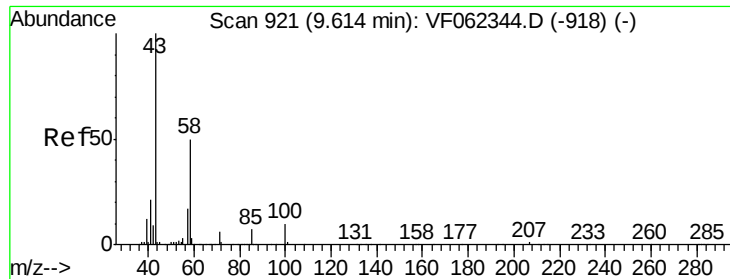
MMDadoda
 5/11/2019 3:49:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.288 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	25.8	38.8





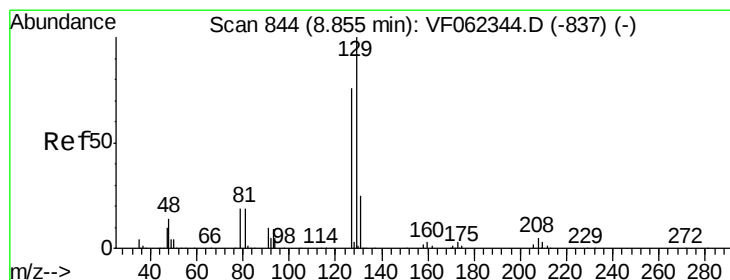
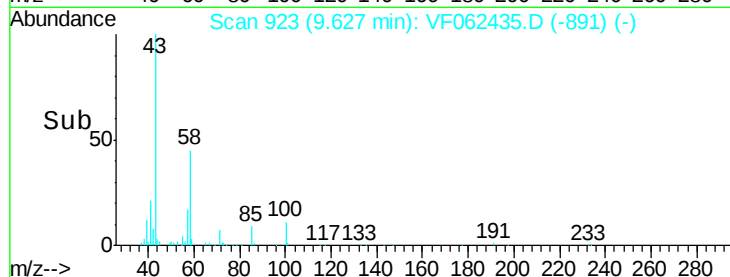
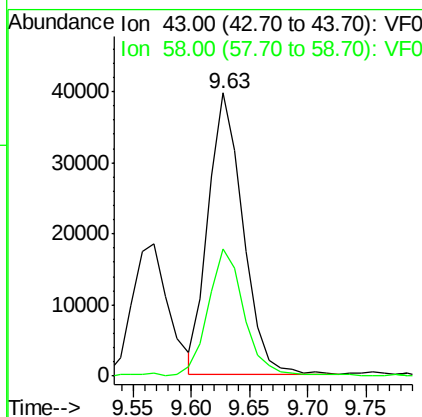
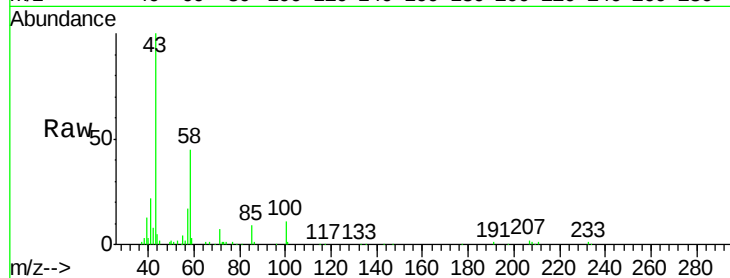
#59
2-Hexanone
Concen: 97.689 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 43 Resp: 81370
Ion Ratio Lower Upper
43 100
58 47.4 24.3 73.0

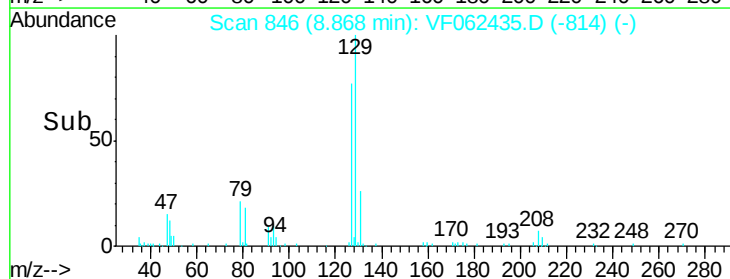
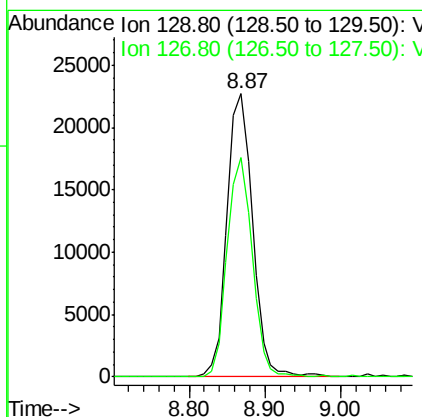
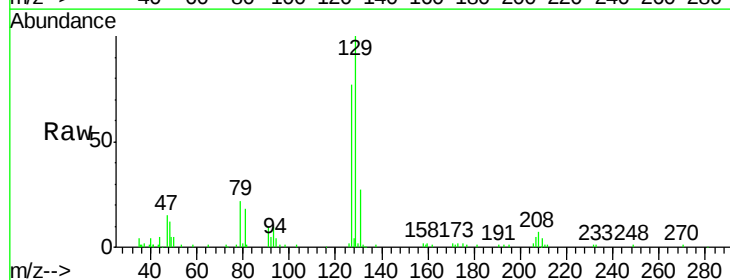
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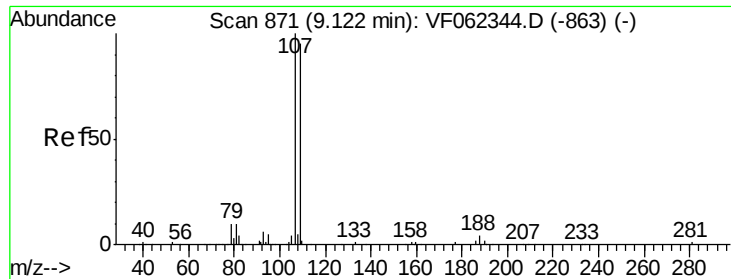
MMDadoda
5/11/2019 3:49:14 PM



#60
Dibromochloromethane
Concen: 21.705 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 129 Resp: 53495
Ion Ratio Lower Upper
129 100
127 75.6 38.5 115.3





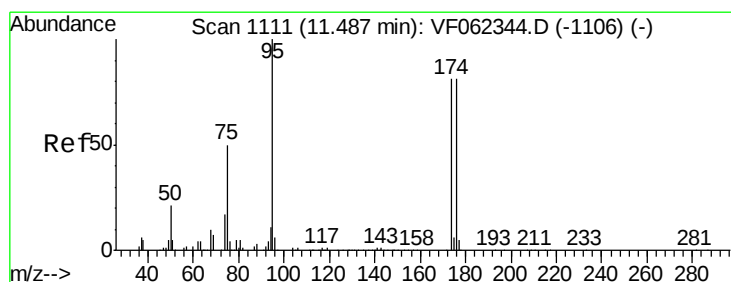
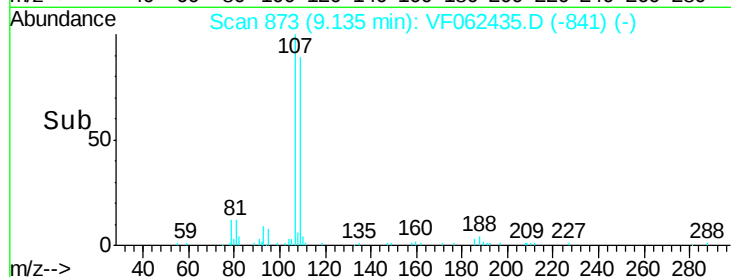
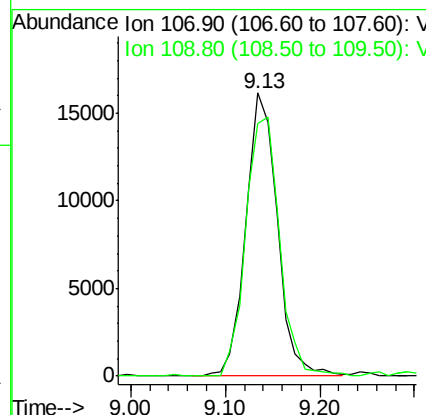
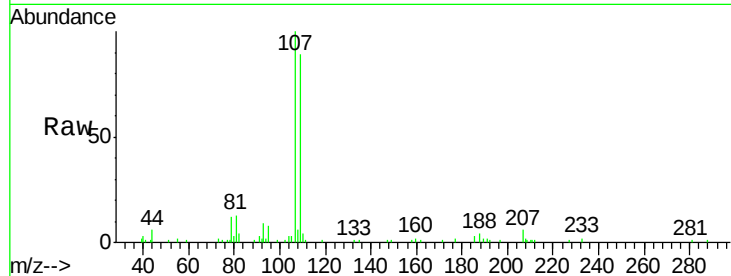
#61
 1,2-Dibromoethane
 Concen: 21.080 ug/l
 RT: 9.13 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
107	100		
109	98.2	75.2	112.8

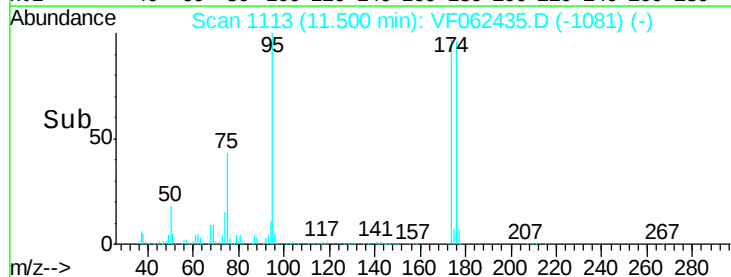
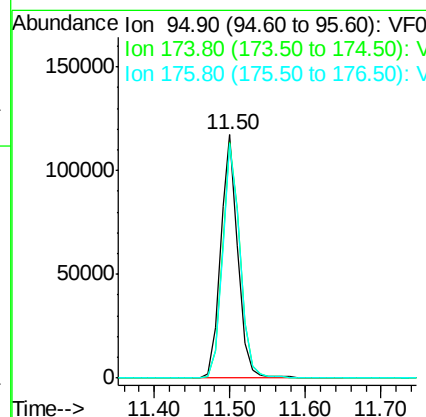
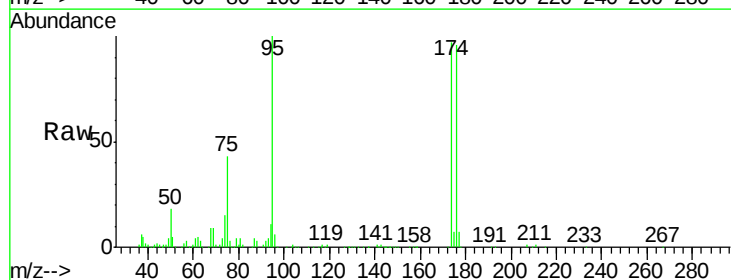
Manual Integrations
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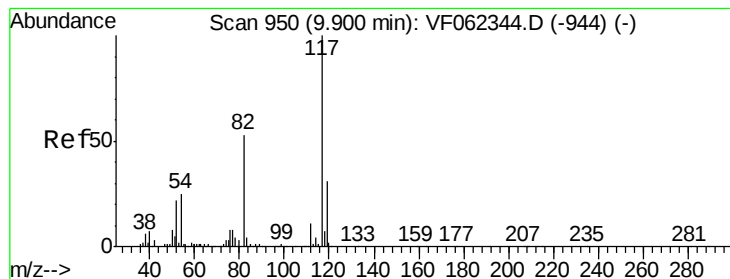
MMDadoda
 5/11/2019 3:49:14 PM



#62
 4-Bromofluorobenzene
 Concen: 53.020 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.0	0.0	191.8
176	97.6	0.0	193.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

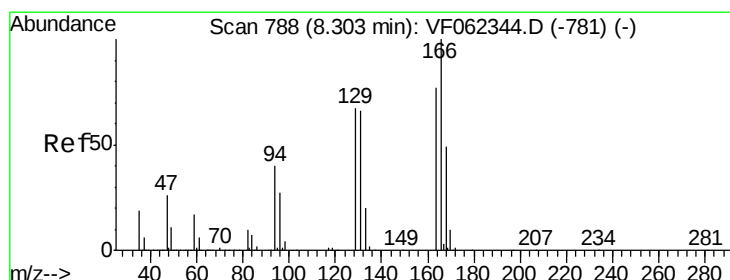
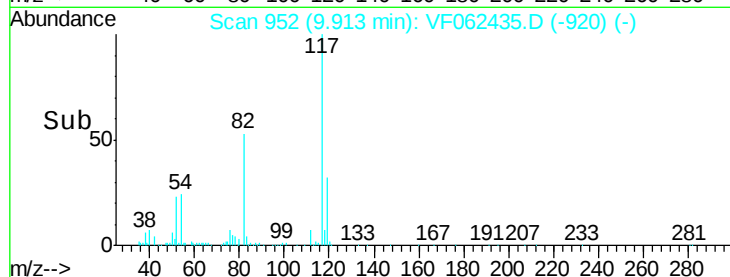
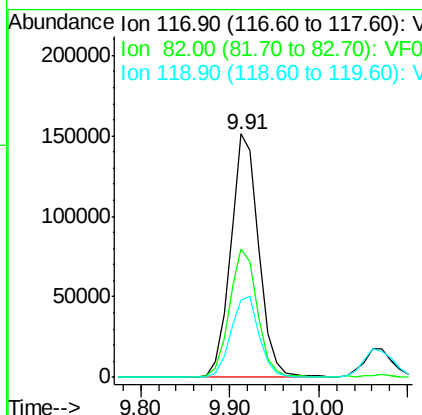
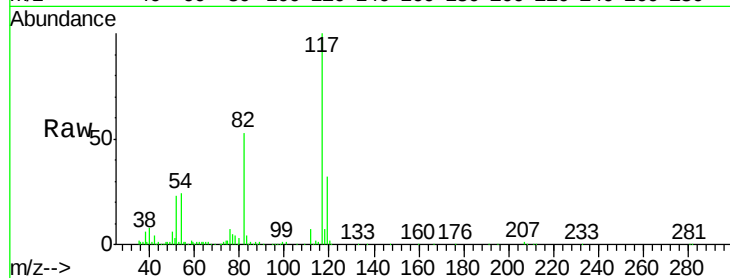
ClientSampleId :

VF0510SBS02

Tgt Ion:	117	Resp:	333824
Ion Ratio	Lower	Upper	
117	100		
82	52.6	42.2	63.2
119	31.7	25.0	37.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 24.302 ug/l

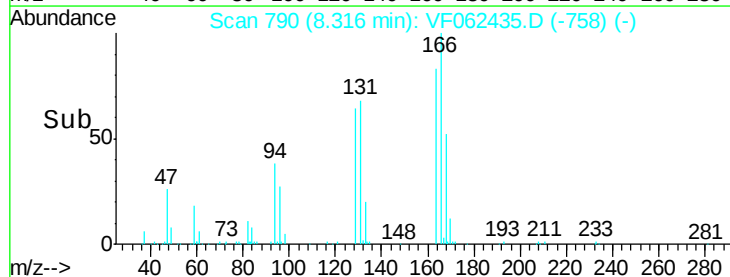
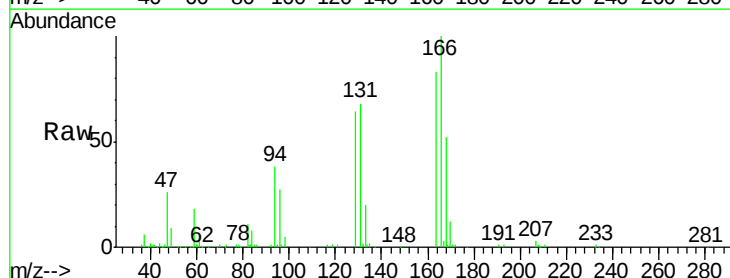
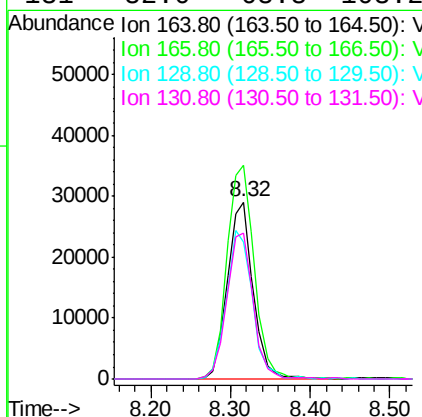
RT: 8.32 min Scan# 790

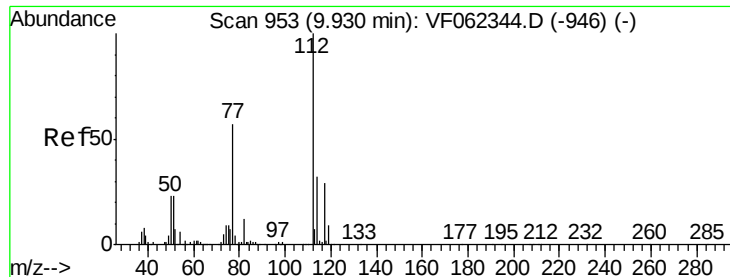
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	164	Resp:	65861
Ion Ratio	Lower	Upper	
164	100		
166	120.5	104.2	156.4
129	77.0	69.6	104.4
131	82.0	68.8	103.2





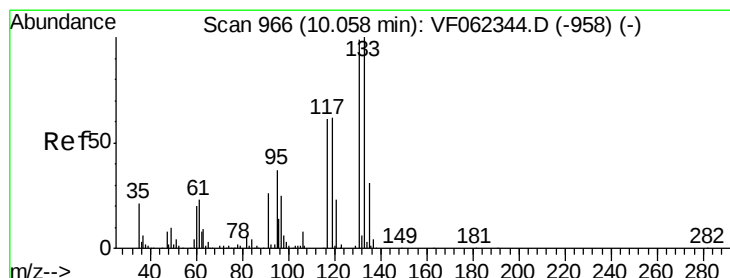
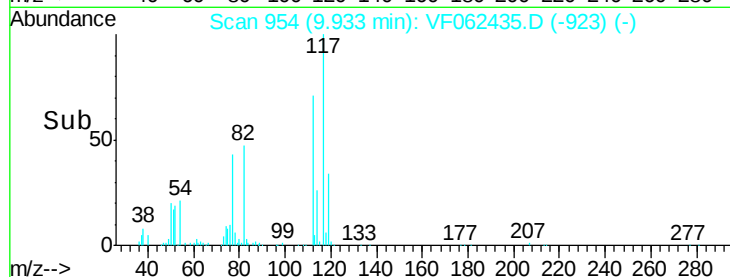
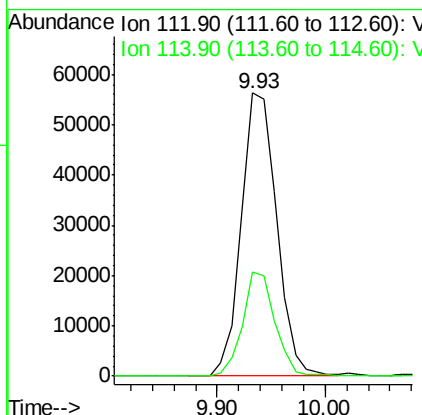
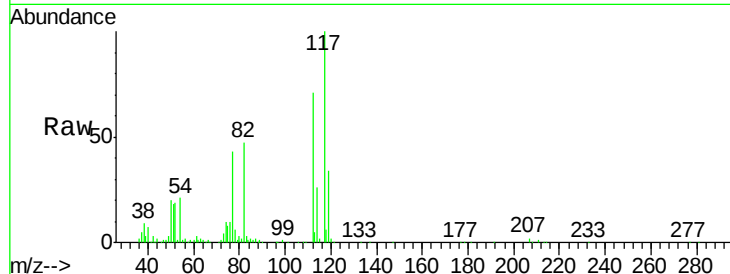
#65
Chlorobenzene
Concen: 23.296 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion:112 Resp: 128669
Ion Ratio Lower Upper
112 100
114 36.9 25.4 38.0

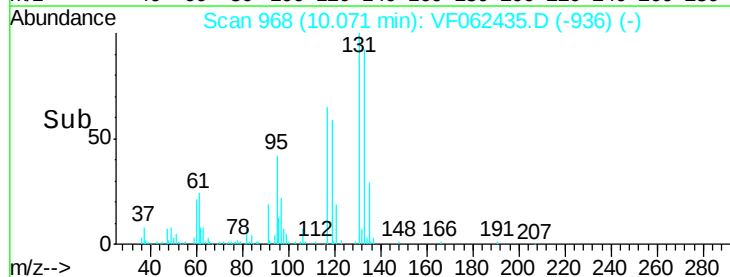
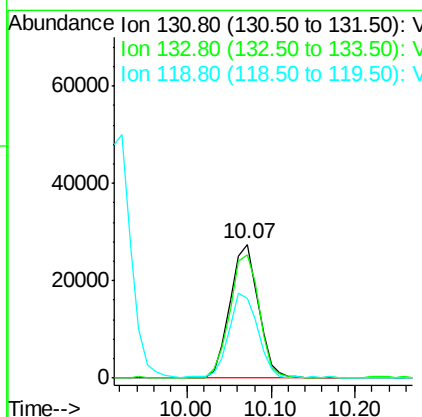
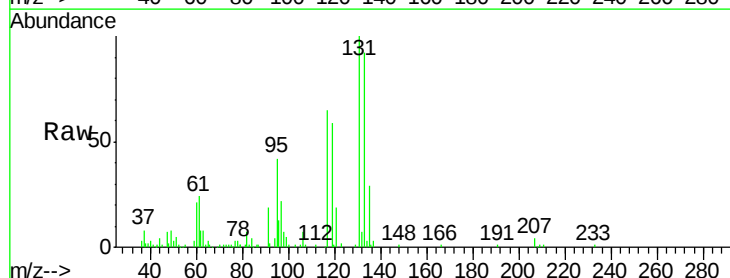
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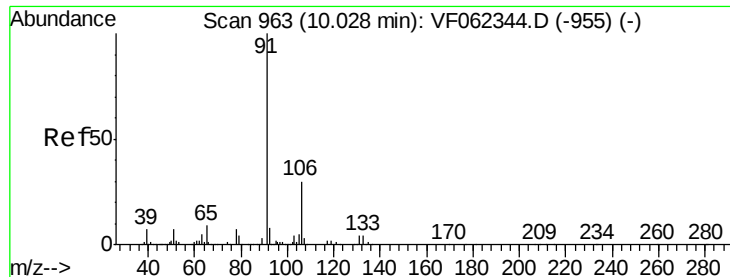
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.303 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion:131 Resp: 64929
Ion Ratio Lower Upper
131 100
133 94.7 50.2 150.7
119 63.6 31.6 95.0





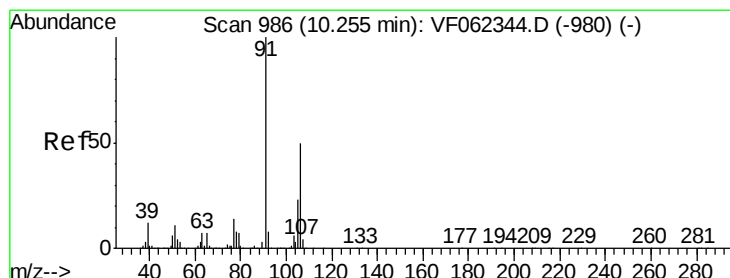
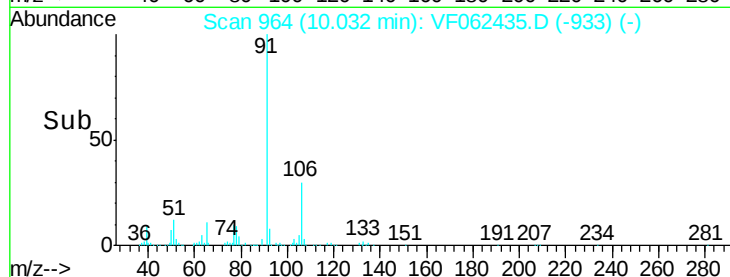
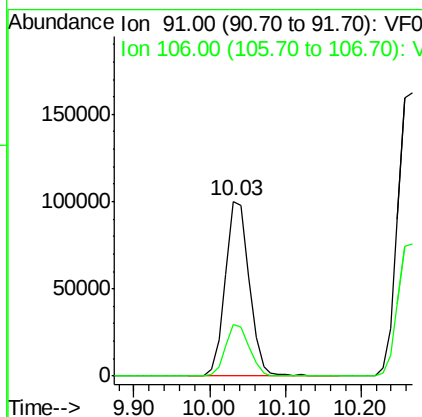
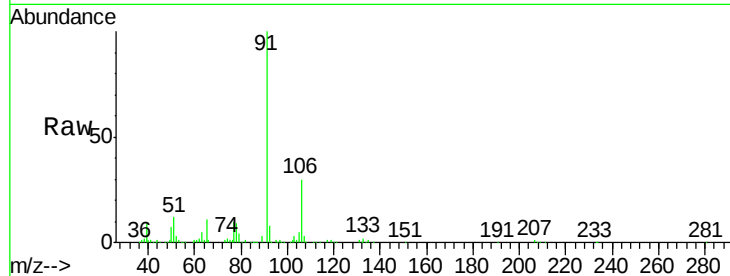
#67
Ethyl Benzene
Concen: 22.773 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 91 Resp: 220259
Ion Ratio Lower Upper
91 100
106 29.7 24.1 36.1

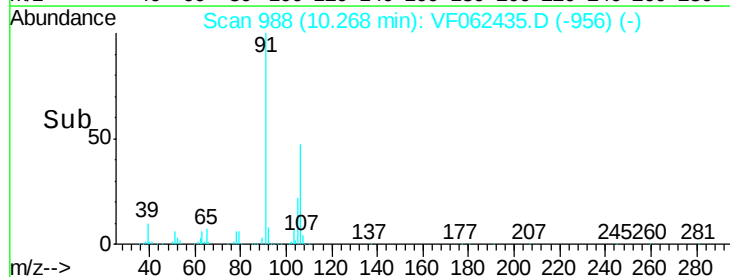
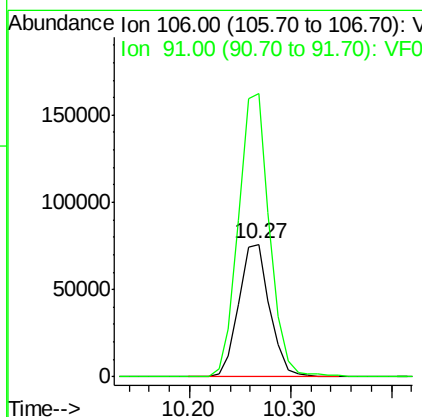
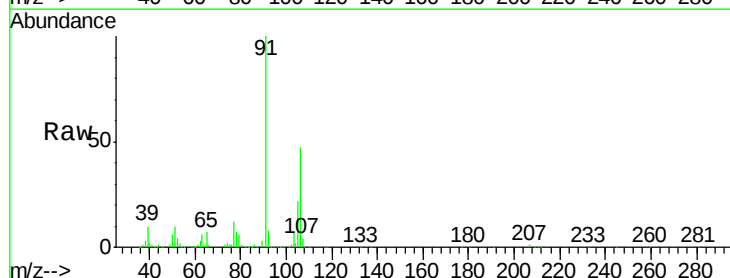
Manual Integrations
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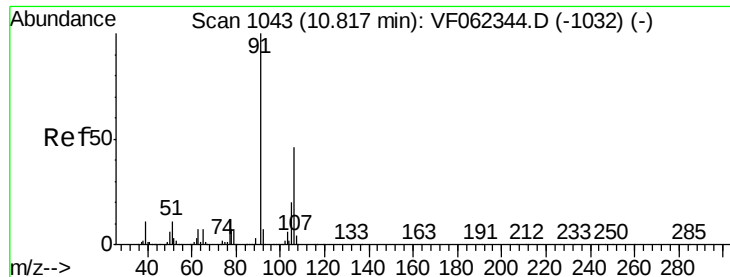
MMDadoda
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#68
m/p-Xylenes
Concen: 45.531 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 106 Resp: 162480
Ion Ratio Lower Upper
106 100
91 214.2 167.4 251.2





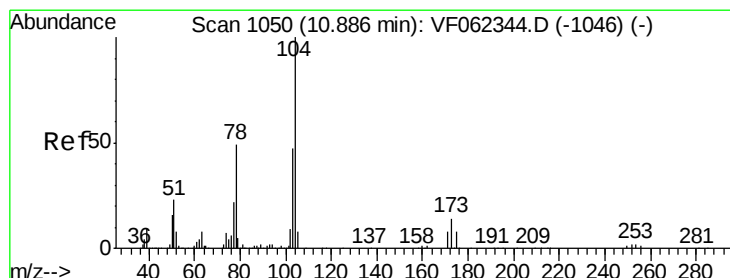
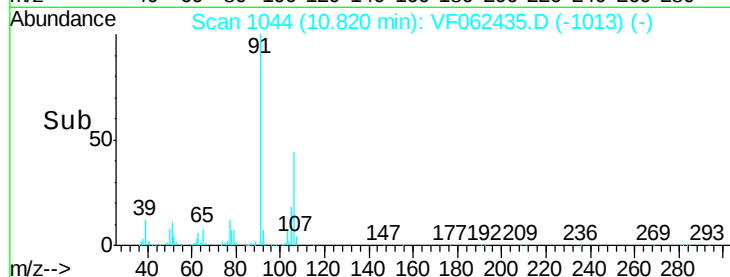
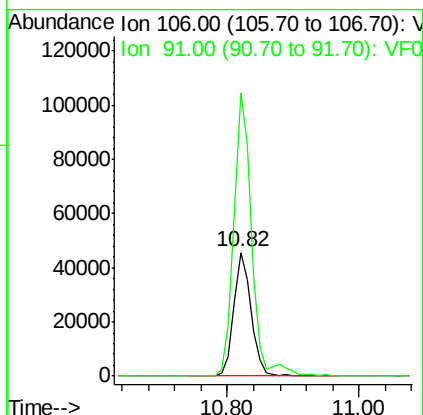
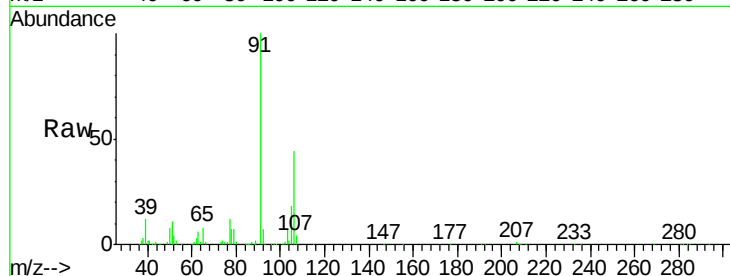
#69
o-Xylene
Concen: 22.033 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion:106 Resp: 84961
Ion Ratio Lower Upper
106 100
91 226.9 111.3 333.8

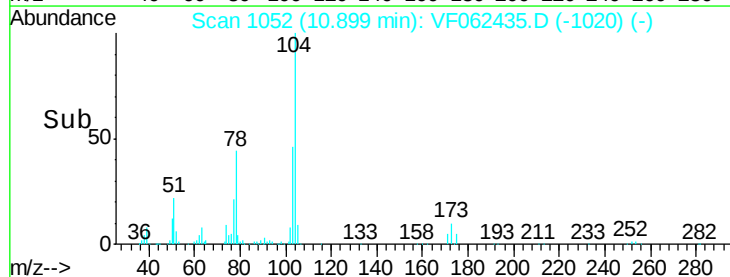
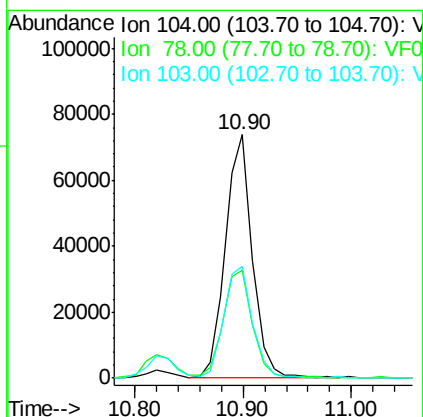
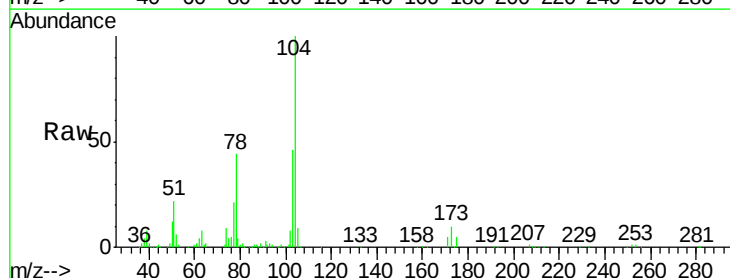
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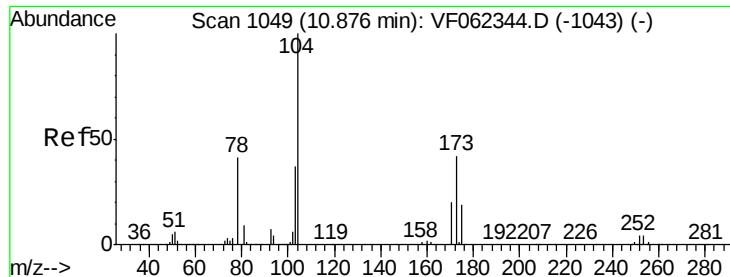
MMDadoda
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#70
Styrene
Concen: 21.997 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion:104 Resp: 127126
Ion Ratio Lower Upper
104 100
78 48.0 39.5 59.3
103 48.4 38.4 57.6





#71

Bromoform

Concen: 21.077 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

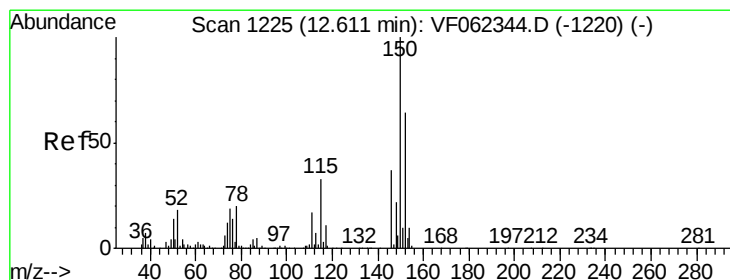
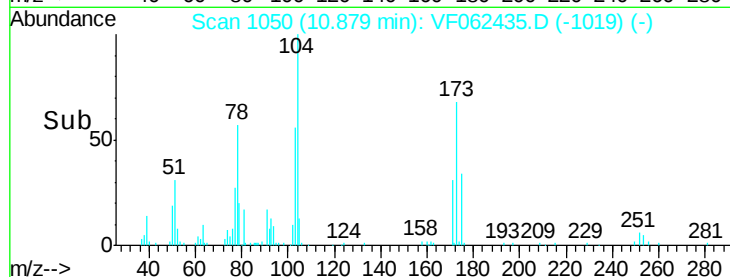
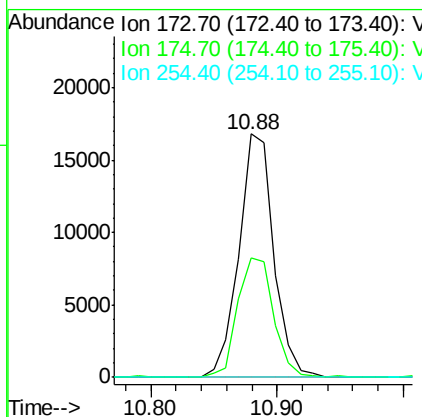
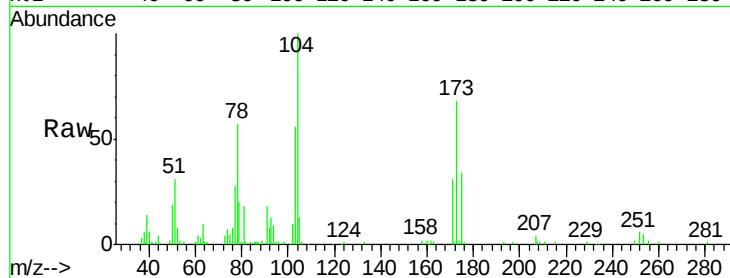
ClientSampleId :

VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	32175		
175	50.5	23.8	71.2	
254	0.0	0.1	0.1#	

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

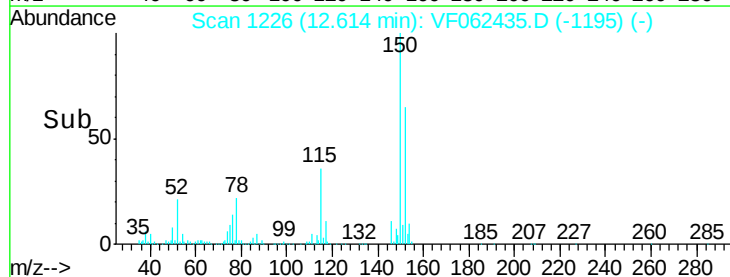
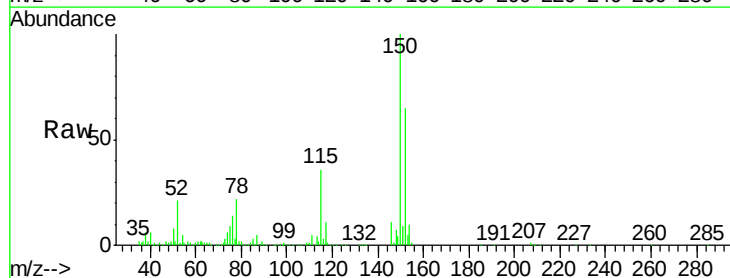
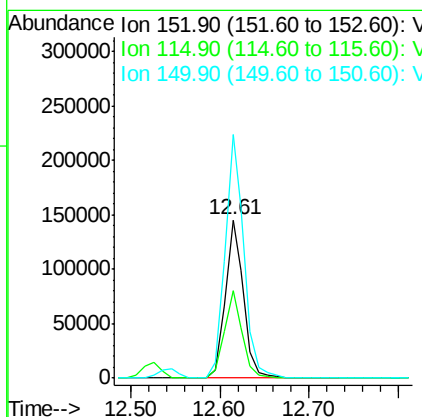
RT: 12.61 min Scan# 1226

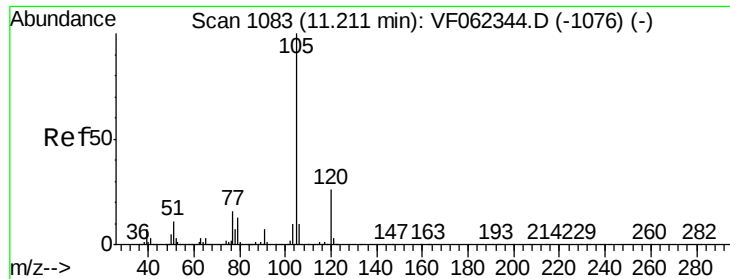
Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	209358		
115	54.7	26.4	79.2	
150	160.7	0.0	335.0	





#73

Isopropylbenzene

Concen: 22.668 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 105 Resp: 281345

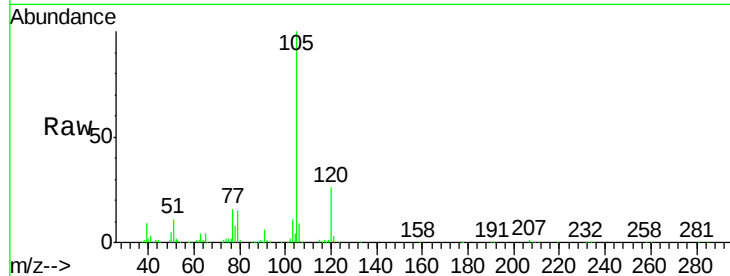
Ion Ratio Lower Upper

105 100

120 26.3 12.7 38.0

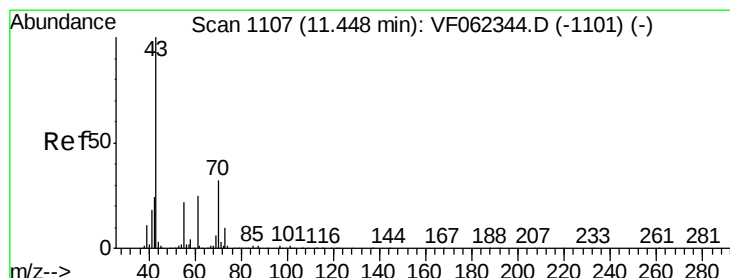
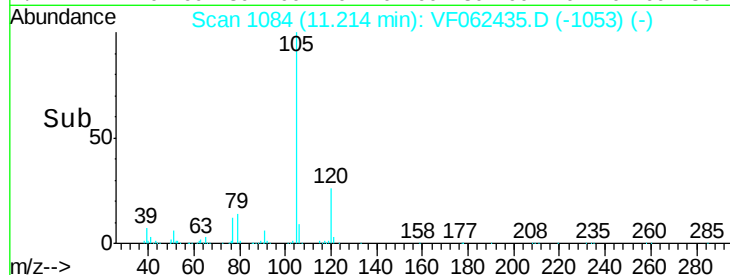
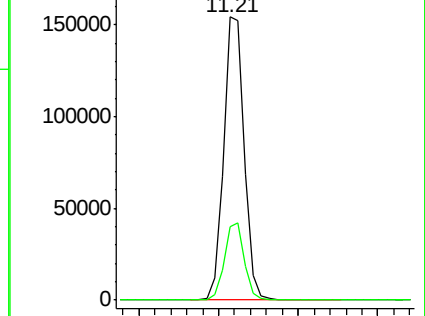
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.404 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion: 43 Resp: 54369

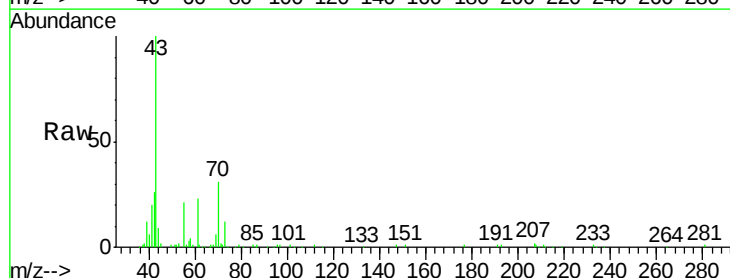
Ion Ratio Lower Upper

43 100

70 34.7 26.5 39.7

55 24.5 17.8 26.6

61 24.7 20.2 30.2

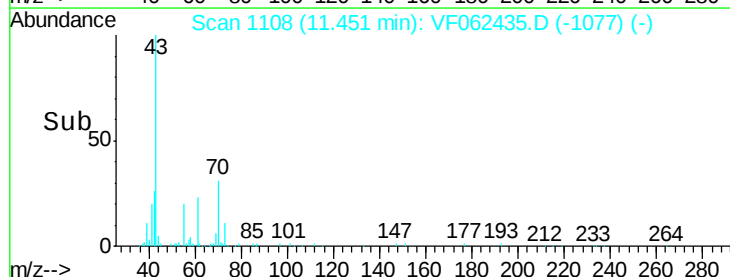
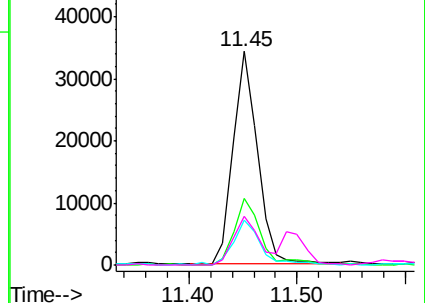


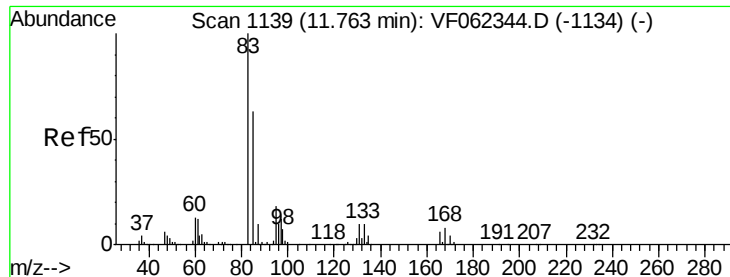
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.167 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

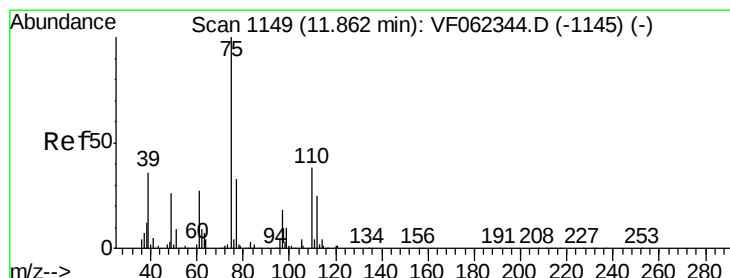
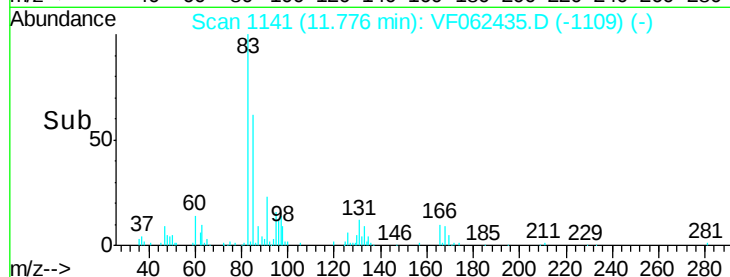
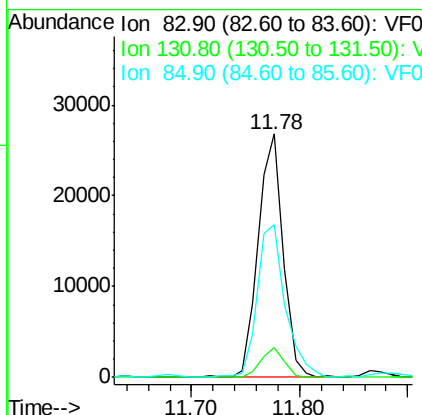
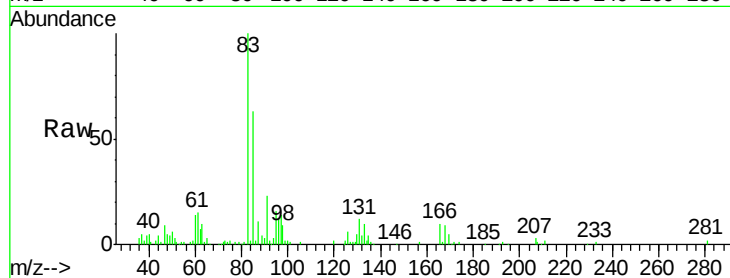
ClientSampleId :

VF0510SBS02

Tgt Ion:	83	Resp:	43078
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.8	17.4
85	70.9	35.3	105.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.241 ug/l

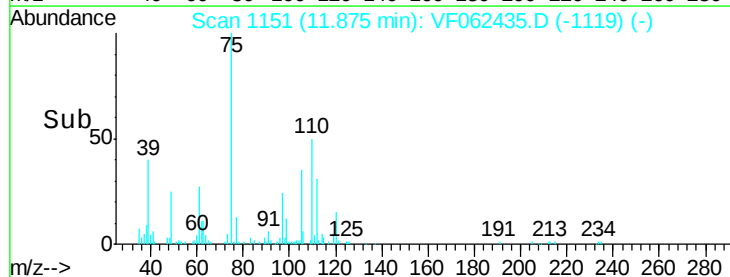
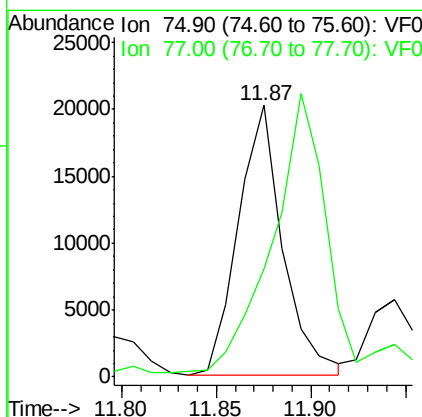
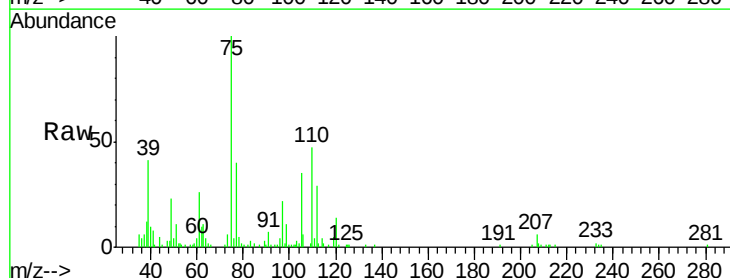
RT: 11.87 min Scan# 1151

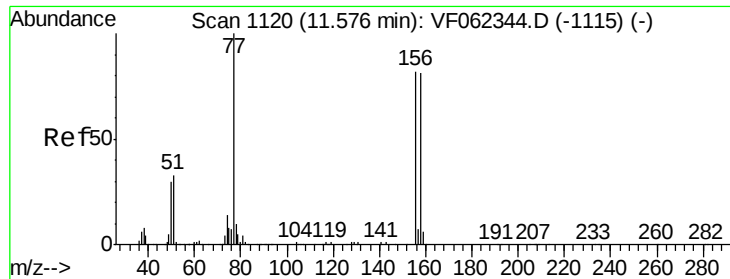
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	75	Resp:	32976
Ion Ratio	Lower	Upper	
75	100		
77	125.4	0.0	0.0#





#77

Bromobenzene

Concen: 22.306 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

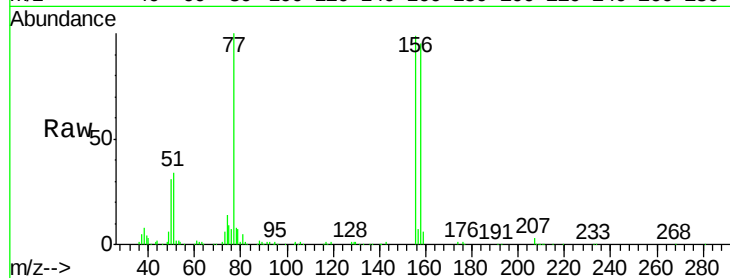
ClientSampleId :

VF0510SBS02

Tgt Ion:	156	Resp:	72659
Ion Ratio	Lower	Upper	
156	100		
77	128.2	64.8	194.3
158	99.7	49.1	147.3

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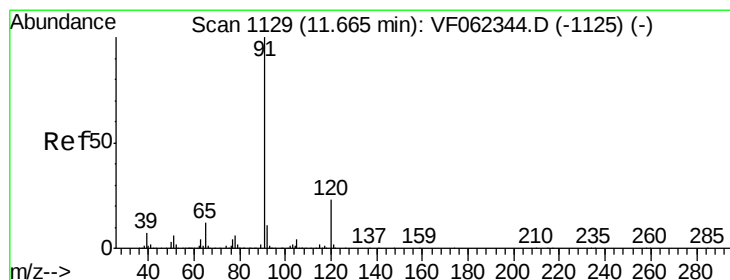
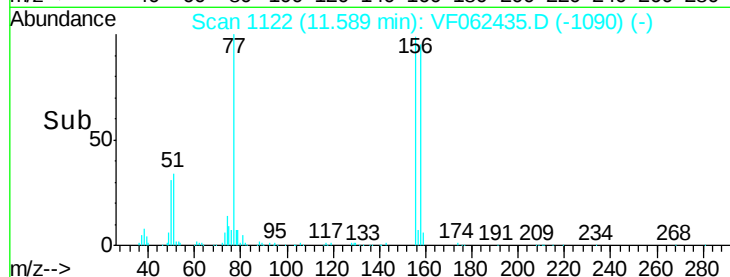
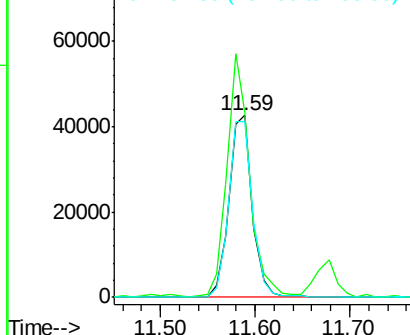
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.478 ug/l

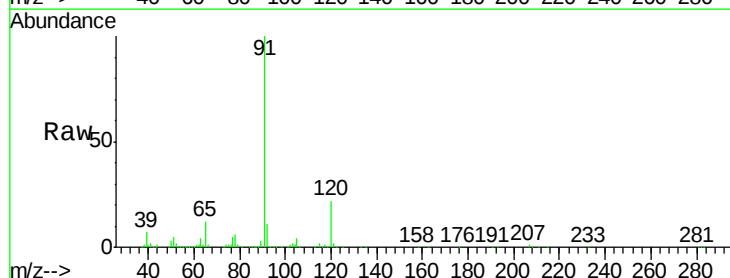
RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062435.D

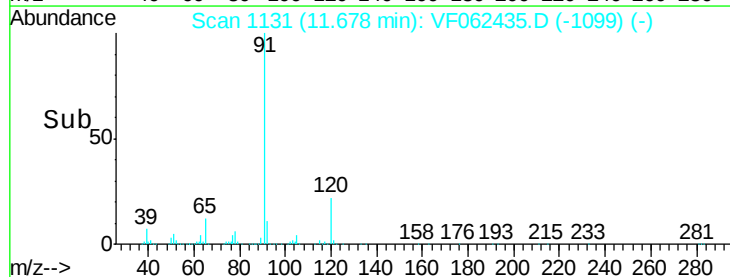
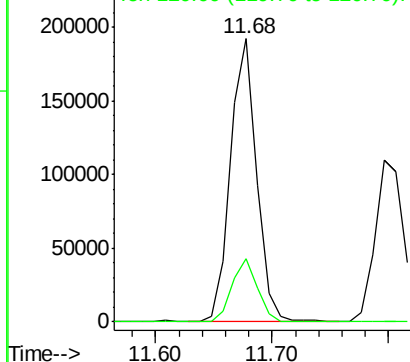
Acq: 10 May 2019 23:02

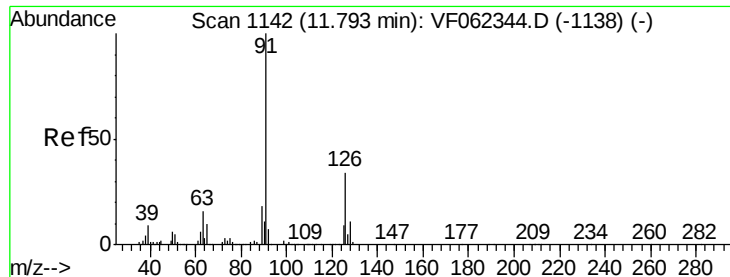
Tgt Ion:	91	Resp:	297022
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





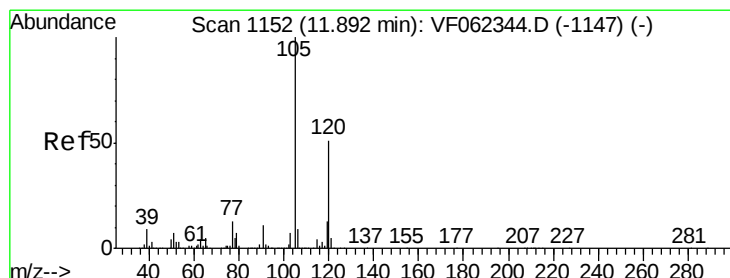
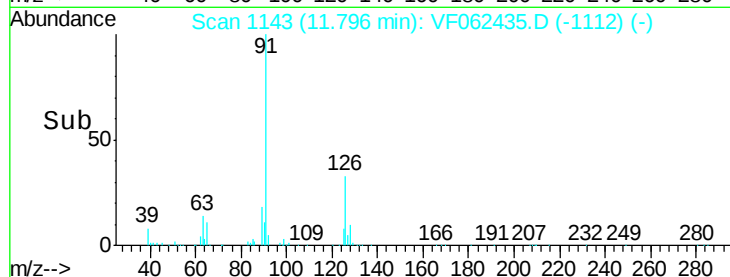
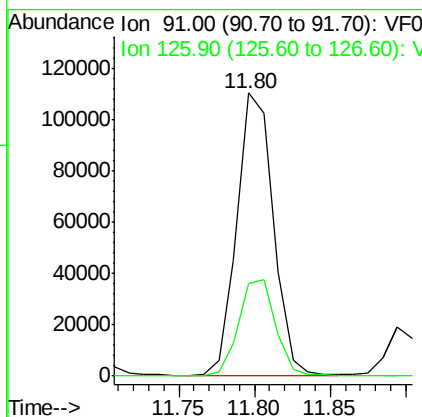
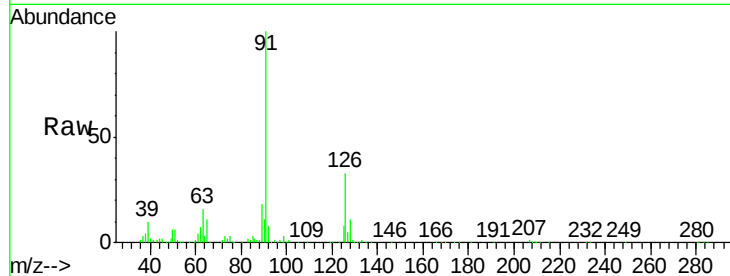
#79
 2-Chlorotoluene
 Concen: 22.428 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion: 91 Resp: 184284
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.8 53.4

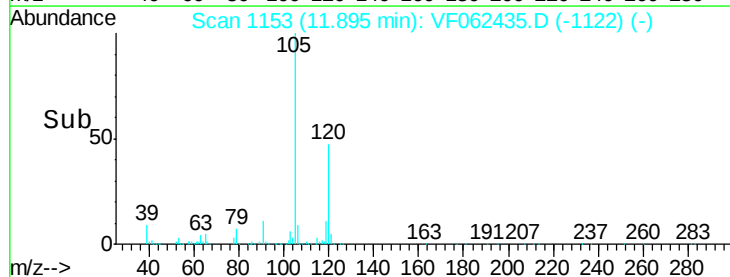
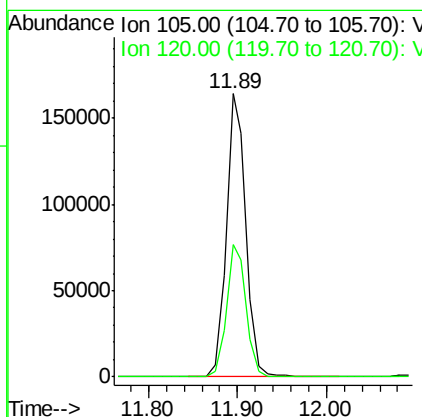
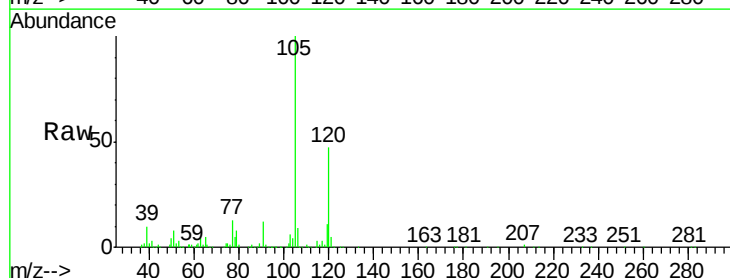
Manual Integrations
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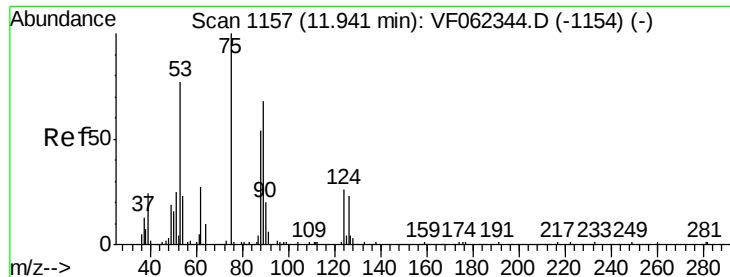
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.190 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion: 105 Resp: 252277
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.6 74.0





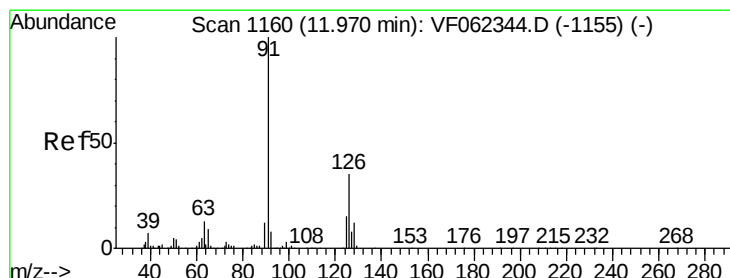
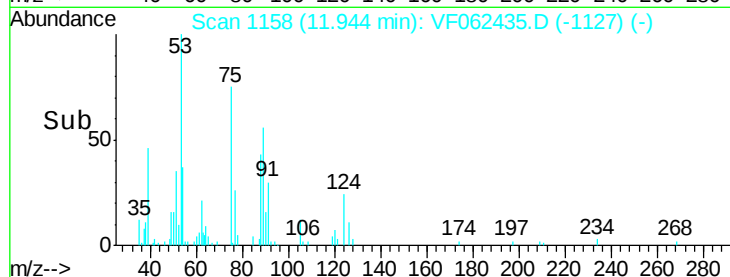
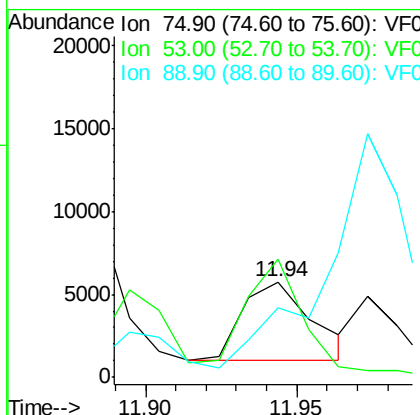
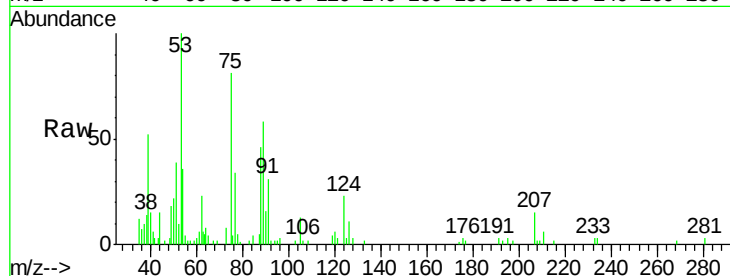
#81
trans-1,4-Dichloro-2-butene
Concen: 13.511 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	137.7	71.9	107.9#
89	0.0	0.0	0.0

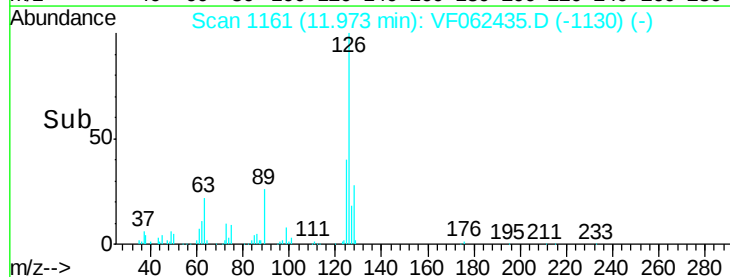
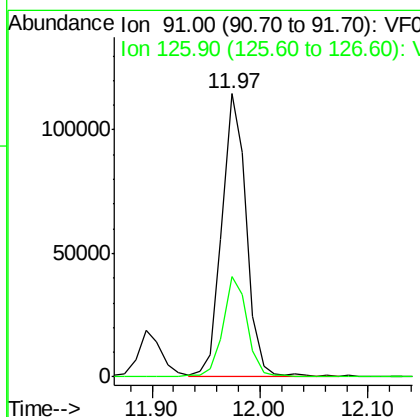
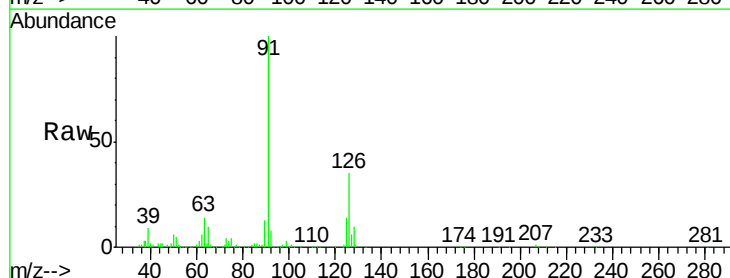
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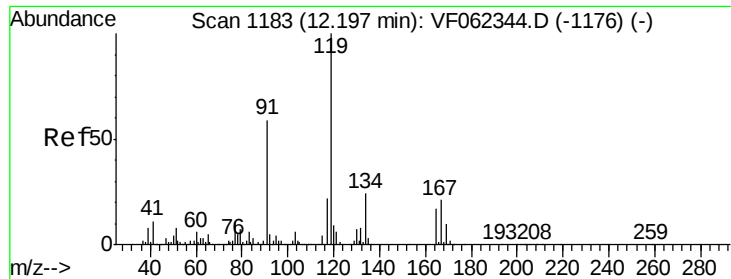
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#82
4-Chlorotoluene
Concen: 22.125 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.7	53.1





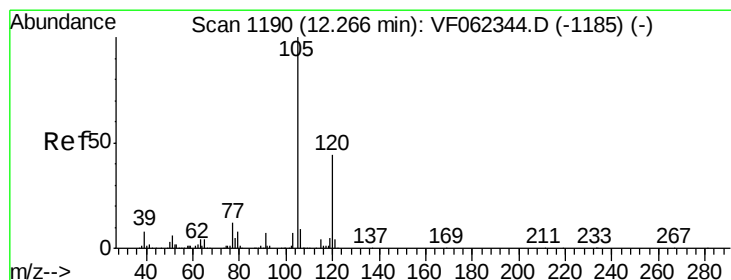
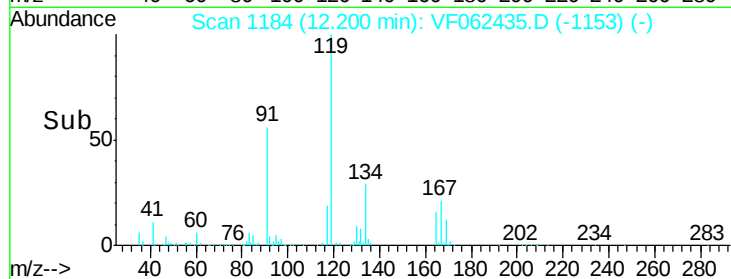
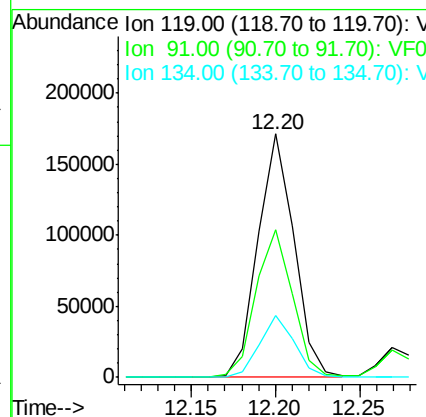
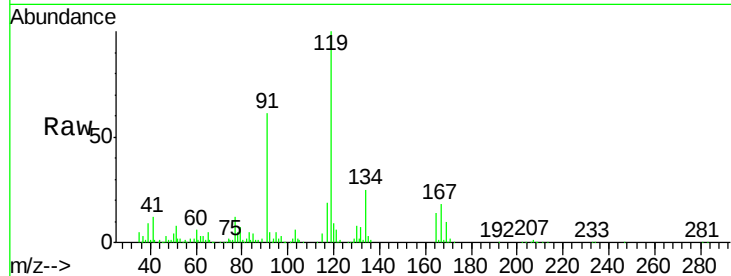
#83
 tert-Butylbenzene
 Concen: 22.317 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	255147		
91	61.4	30.4	91.3	
134	24.7	11.9	35.7	

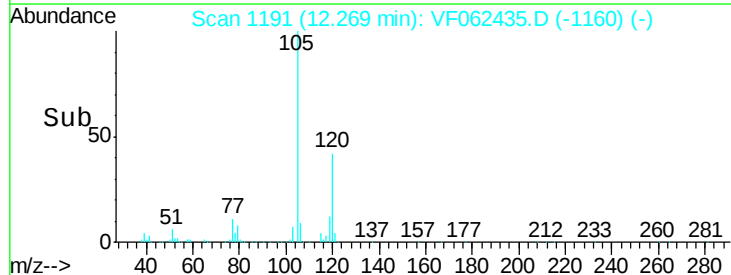
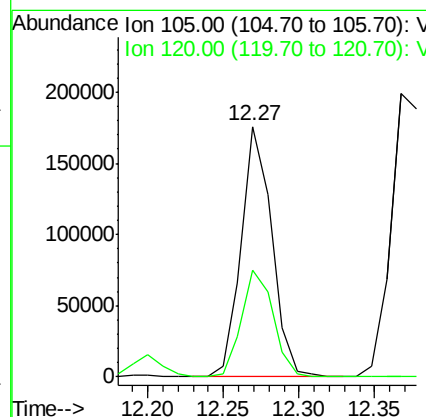
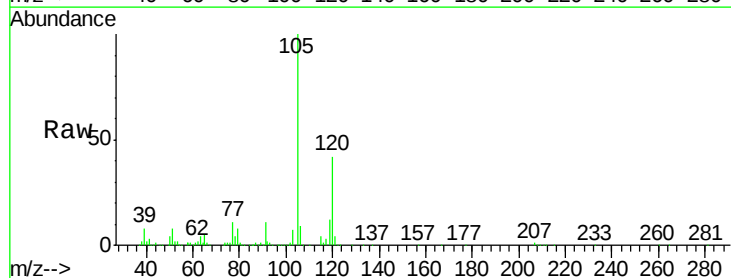
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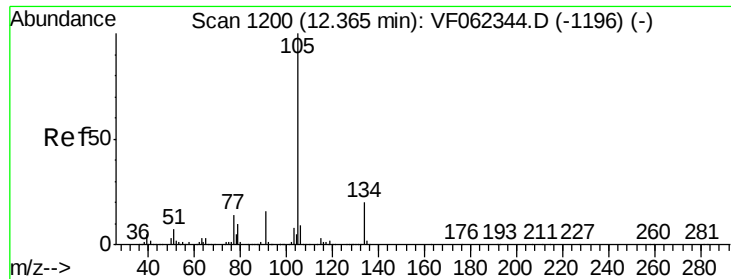
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.231 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	247316		
120	44.3	22.6	67.7	





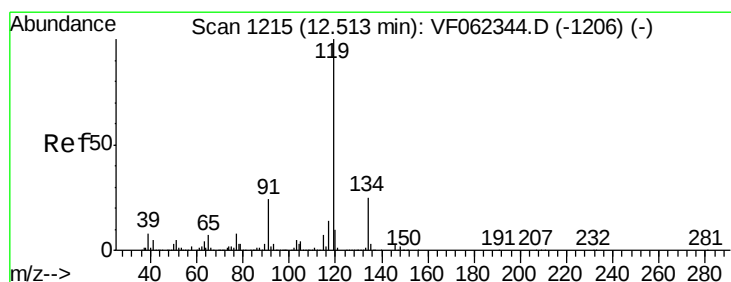
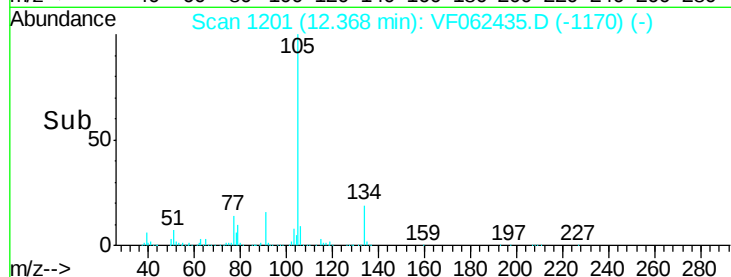
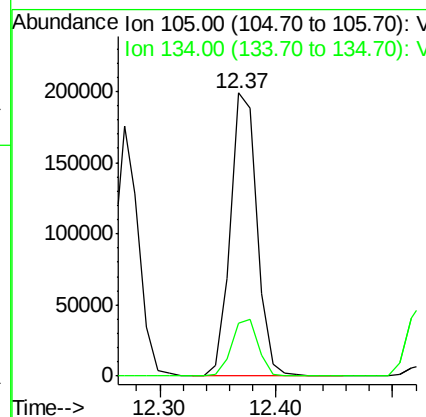
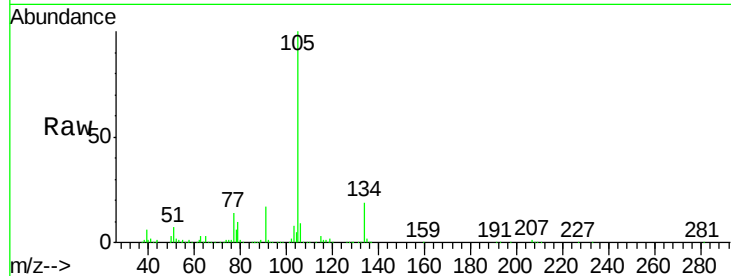
#85
 sec-Butylbenzene
 Concen: 22.678 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	315584		
134	20.3	9.8	29.5	

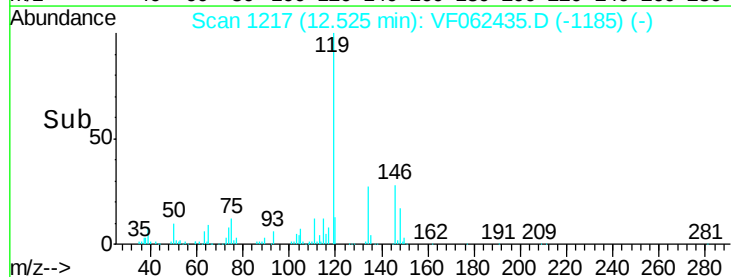
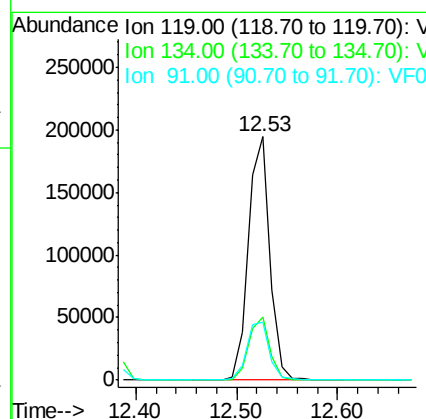
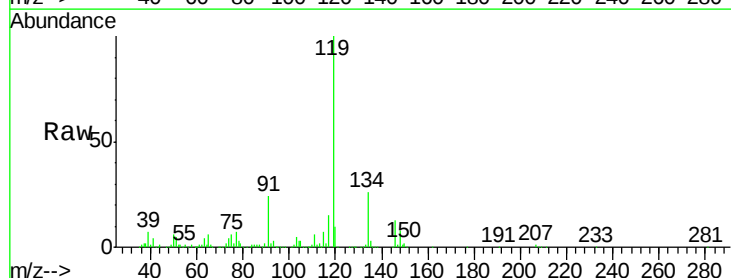
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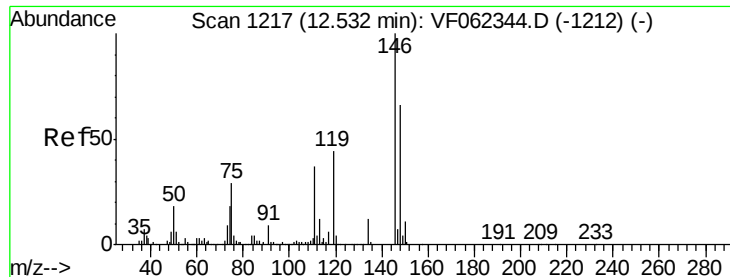
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#86
 p-Isopropyltoluene
 Concen: 22.320 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	288581		
134	25.4	12.9	38.7	
91	25.0	12.3	36.8	





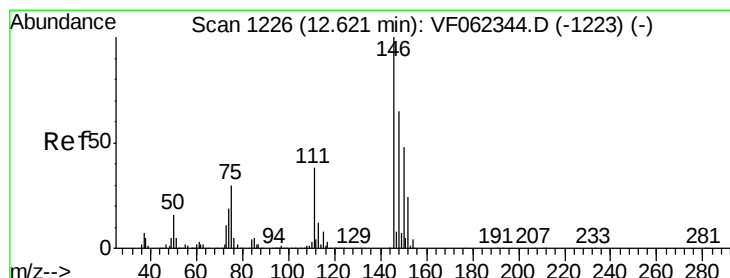
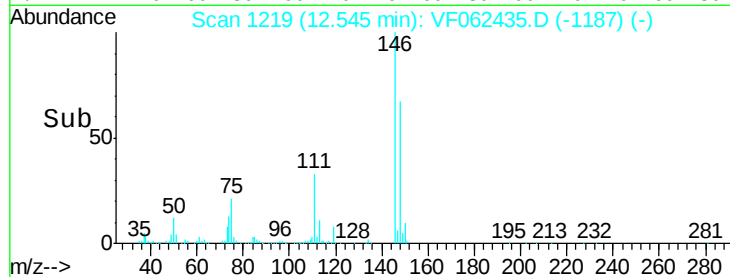
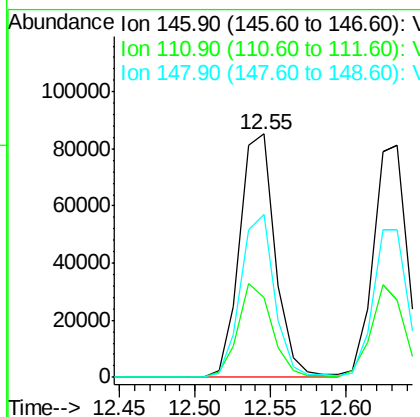
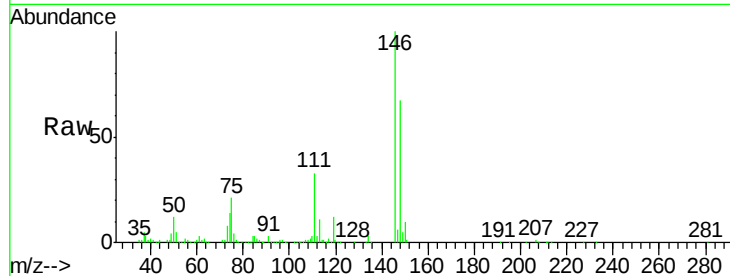
#87
 1,3-Dichlorobenzene
 Concen: 23.488 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139730		
111	37.0	18.3	54.8	
148	64.1	32.3	96.9	

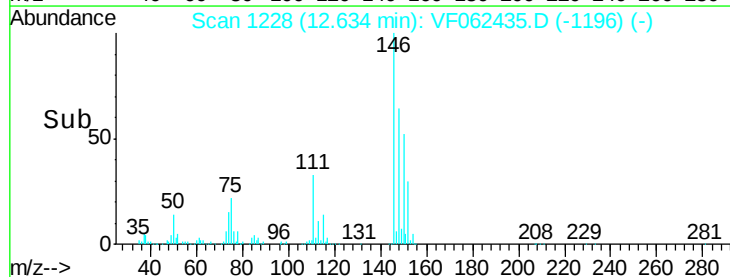
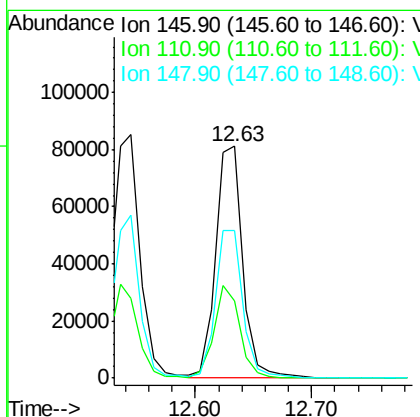
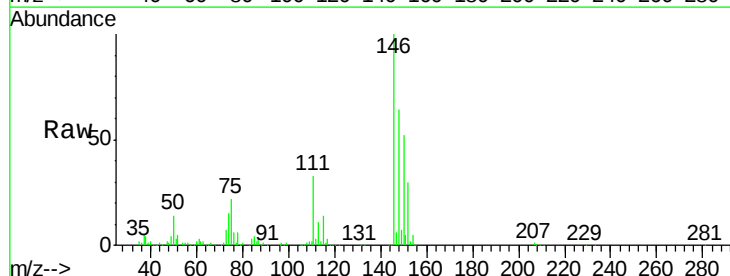
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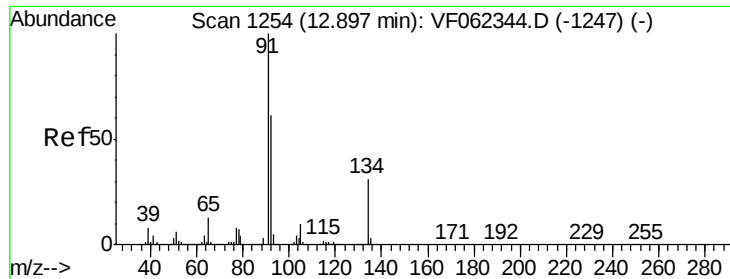
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#88
 1,4-Dichlorobenzene
 Concen: 22.566 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	129569		
111	38.3	18.8	56.3	
148	65.6	32.2	96.6	





#89

n-Butylbenzene

Concen: 23.103 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

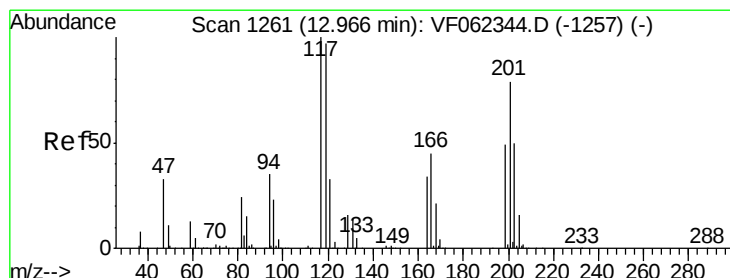
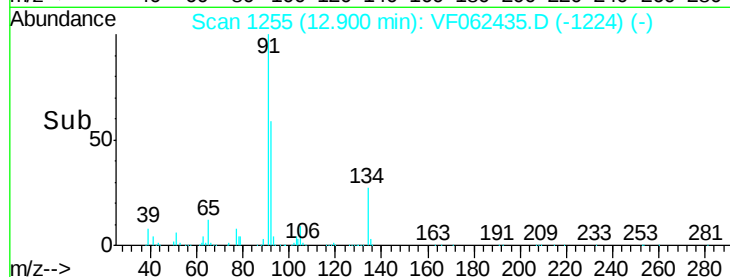
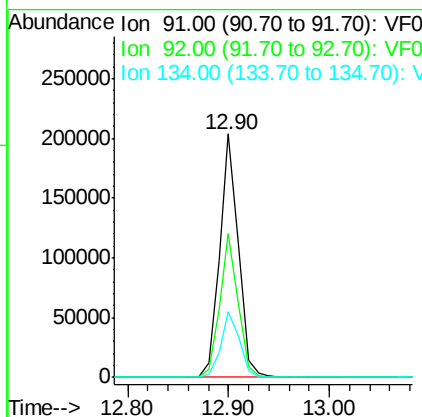
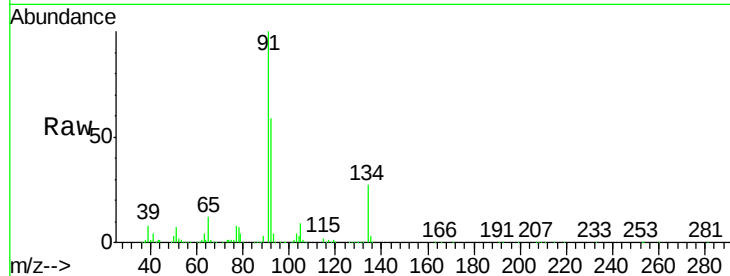
ClientSampleId :

VF0510SBS02

Tgt Ion:	91	Resp:	265751
Ion Ratio	Lower	Upper	
91	100		
92	57.4	30.0	90.0
134	26.8	14.1	42.4

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#90

Hexachloroethane

Concen: 21.197 ug/l

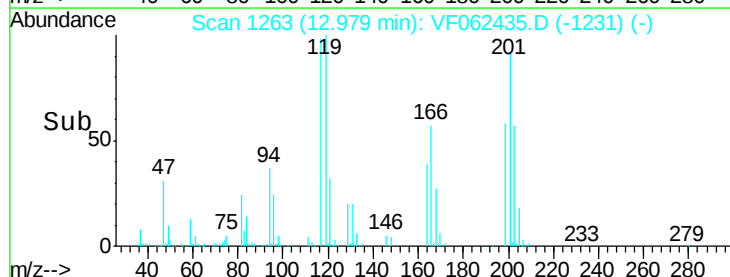
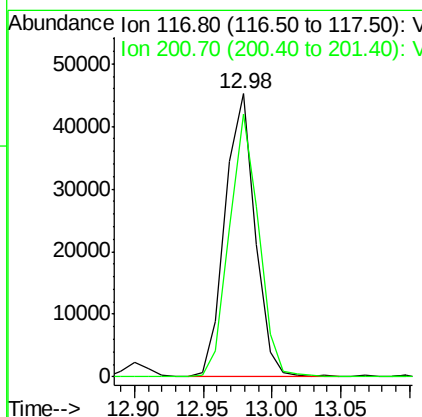
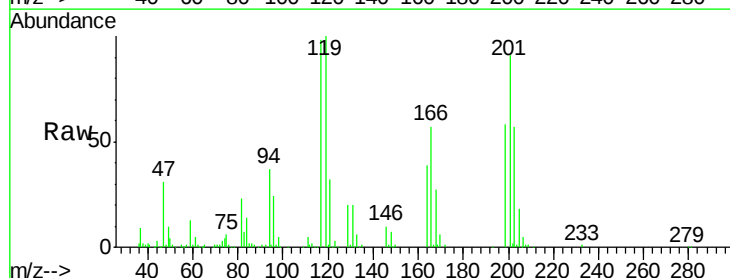
RT: 12.98 min Scan# 1263

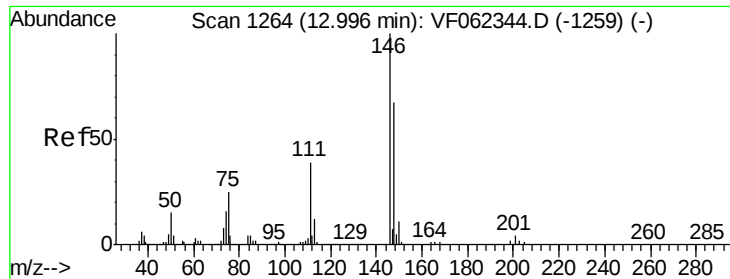
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:	117	Resp:	68430
Ion Ratio	Lower	Upper	
117	100		
201	91.5	46.2	138.5





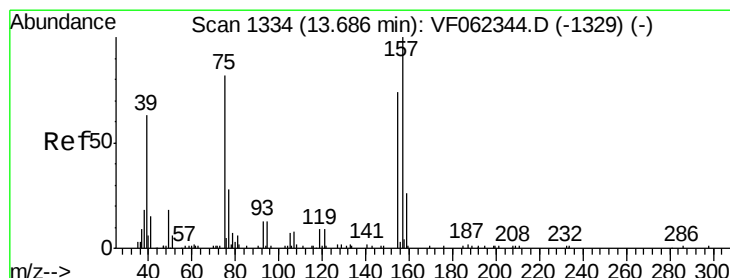
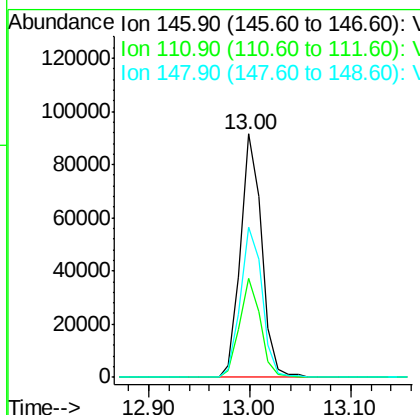
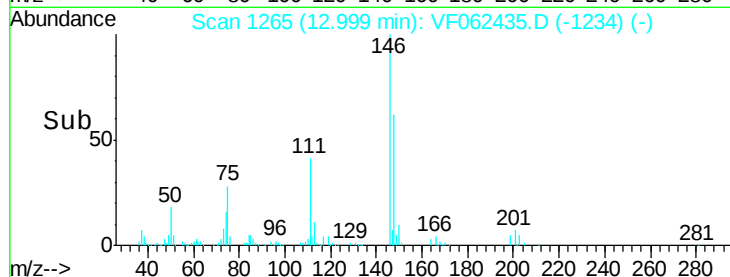
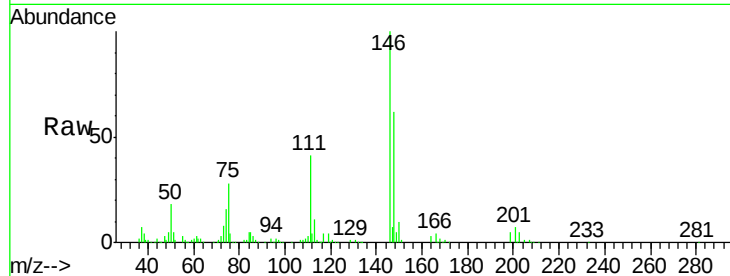
#91
 1,2-Dichlorobenzene
 Concen: 23.211 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	133656		
111	40.0	20.0	60.0	
148	63.5	33.1	99.5	

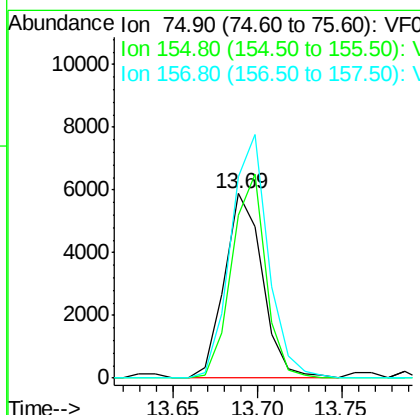
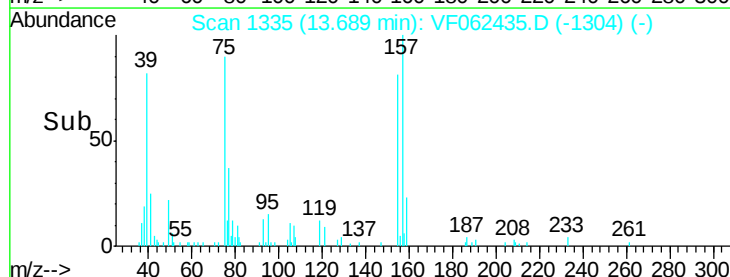
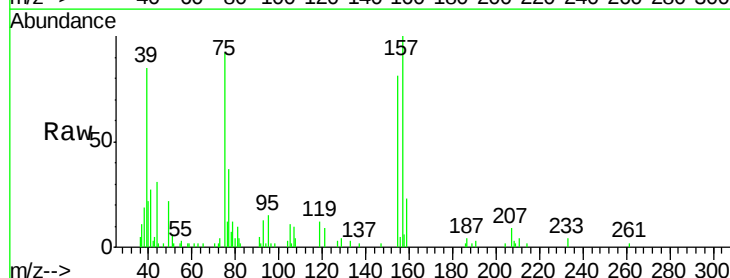
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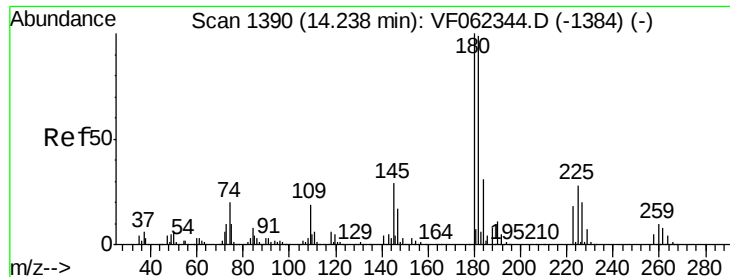
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.253 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9253		
155	98.5	51.8	155.4	
157	129.9	67.3	201.8	





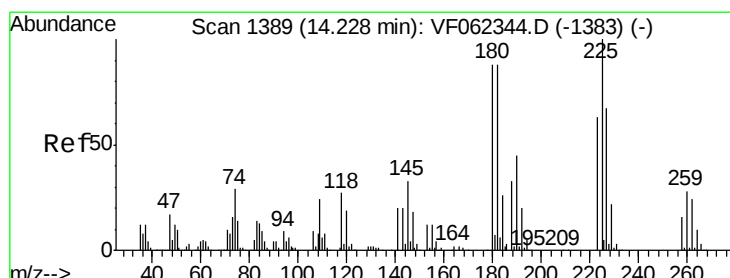
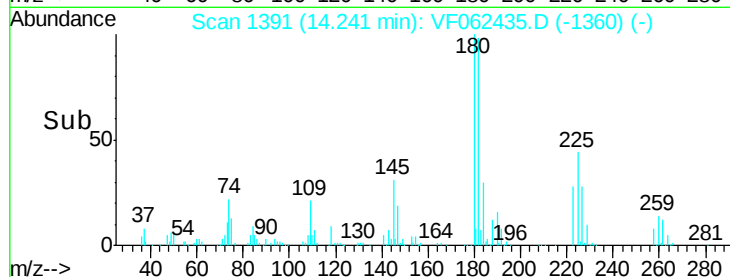
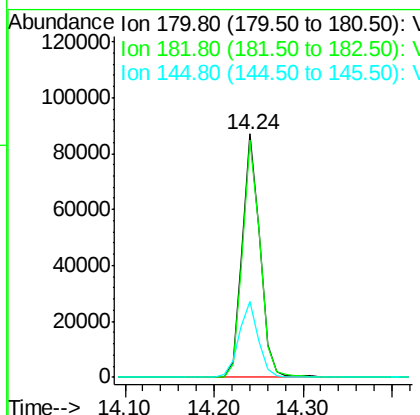
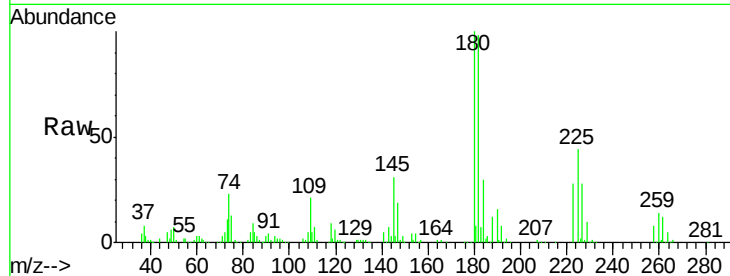
#93
 1,2,4-Trichlorobenzene
 Concen: 23.275 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	120212		
182	96.8	49.0	147.0	
145	34.3	16.7	50.1	

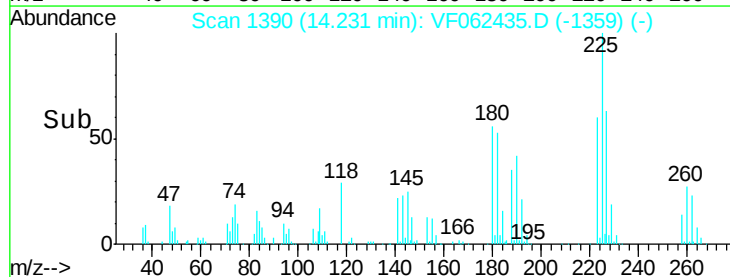
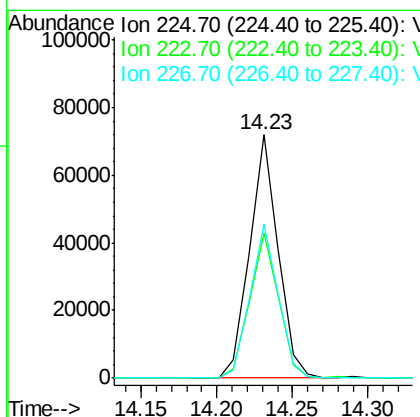
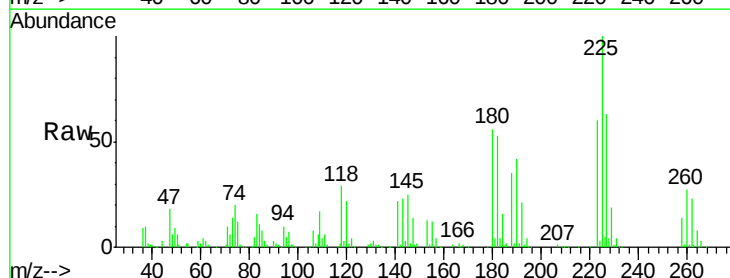
Manual Integrations
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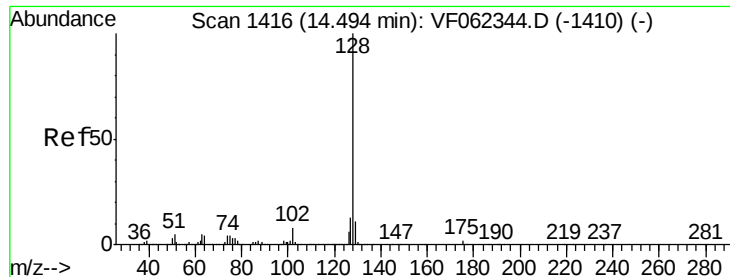
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#94
 Hexachlorobutadiene
 Concen: 24.518 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94384		
223	60.5	31.9	95.5	
227	63.3	33.1	99.5	





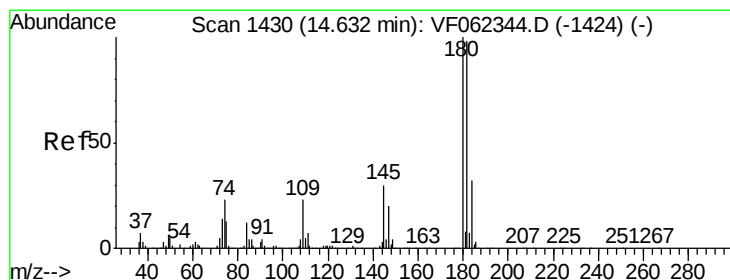
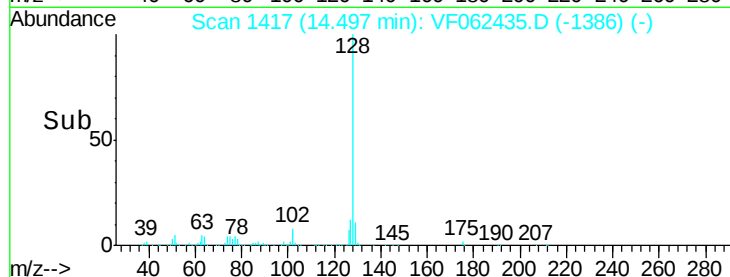
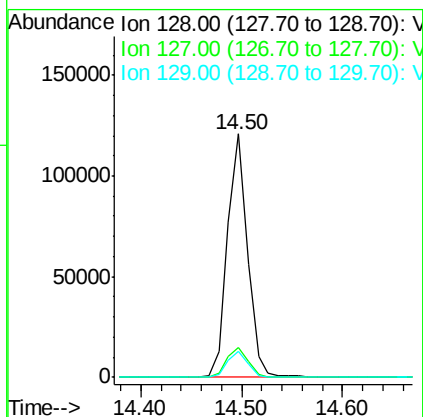
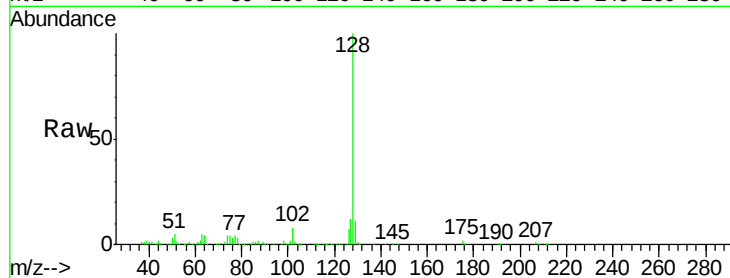
#95
Naphthalene
Concen: 21.569 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 23.647 ug/l
RT: 14.64 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	49.4	148.0
145	30.9	14.8	44.3

