

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062242.D
 Acq On : 22 Apr 2019 14:02
 Operator : FY/SY
 Sample : VF0422SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Manual Integrations
 APPROVED

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

Quant Time: Apr 23 01:21:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	443124	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	604633	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	487737	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	285420	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	233584	57.49	ug/l	0.02
Spiked Amount 50.000			Recovery	=	114.98%	
35) Dibromofluoromethane	4.31	113	302367	57.17	ug/l	0.02
Spiked Amount 50.000			Recovery	=	114.34%	
50) Toluene-d8	7.71	98	771289	57.61	ug/l	0.02
Spiked Amount 50.000			Recovery	=	115.22%	
62) 4-Bromofluorobenzene	11.50	95	300103	58.27	ug/l	0.02
Spiked Amount 50.000			Recovery	=	116.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	144990	21.531	ug/l	98
3) Chloromethane	1.15	50	130758	18.786	ug/l	96
4) Vinyl Chloride	1.20	62	122620	20.505	ug/l	98
5) Bromomethane	1.38	94	71805	20.670	ug/l	96
6) Chloroethane	1.43	64	46600	18.641	ug/l	98
7) Trichlorofluoromethane	1.56	101	167409	22.037	ug/l	94
8) Diethyl Ether	1.71	74	30614	19.362	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.91	101	109981	21.192	ug/l	98
10) Methyl Iodide	1.98	142	195863	21.244	ug/l #	89
11) Tert butyl alcohol	2.69	59	26161	92.625	ug/l	99
12) 1,1-Dichloroethene	1.87	96	96433	19.536	ug/l	94
13) Acrolein	2.10	56	15823	109.919	ug/l	93
14) Allyl chloride	2.20	41	140948m	24.881	ug/l	
15) Acrylonitrile	3.09	53	75995	88.341	ug/l	97
16) Acetone	2.35	43	93462	96.232	ug/l	96
17) Carbon Disulfide	1.92	76	272120	19.839	ug/l	95
18) Methyl Acetate	2.46	43	42018	16.130	ug/l	98
19) Methyl tert-butyl Ether	2.56	73	184351	21.152	ug/l	98
20) Methylene Chloride	2.33	84	108153m	18.762	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	93343	19.122	ug/l	93
22) Diisopropyl ether	2.94	45	283986	19.597	ug/l	98
23) Vinyl Acetate	3.35	43	675858	97.891	ug/l	99
24) 1,1-Dichloroethane	3.01	63	163770	20.660	ug/l	99
25) 2-Butanone	4.53	43	174529	89.871	ug/l	98
26) 2,2-Dichloropropane	3.78	77	87723	21.919	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	125161	19.799	ug/l	99
28) Bromochloromethane	3.91	49	77303	20.357	ug/l #	95
29) Tetrahydrofuran	4.27	42	78397	89.188	ug/l	99
30) Chloroform	4.06	83	198508	20.376	ug/l	99
31) Cyclohexane	3.88	56	170295	17.926	ug/l	90
32) 1,1,1-Trichloroethane	4.29	97	167020	23.422	ug/l #	89
36) 1,1-Dichloropropene	4.48	75	161778	22.317	ug/l	98
37) Ethyl Acetate	4.31	43	61718	18.042	ug/l #	99
38) Carbon Tetrachloride	4.19	117	156155m	24.336	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	176436	20.328	ug/l	93
40) Benzene	4.82	78	402725	21.180	ug/l	97
41) Methacrylonitrile	4.93	41	38587	19.556	ug/l	93
42) 1,2-Dichloroethane	5.13	62	113904	22.660	ug/l	100
43) Isopropyl Acetate	7.12	43	68678	19.089	ug/l #	97
44) Trichloroethene	5.68	130	114855	22.354	ug/l	99
45) 1,2-Dichloropropane	6.41	63	84335	20.136	ug/l	99
46) Dibromomethane	6.26	93	59384	21.310	ug/l	93
47) Bromodichloromethane	6.56	83	134924	21.456	ug/l #	99
48) Methyl methacrylate	6.88	41	45289	19.154	ug/l	97
49) 1,4-Dioxane	6.87	88	10246	377.854	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	282117	105.425	ug/l	97
52) Toluene	7.78	92	218462	21.796	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	116635	24.694	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	149000	23.322	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	69425	24.725	ug/l	98
56) Ethyl methacrylate	8.76	69	68207	21.366	ug/l	94
57) 1,3-Dichloropropane	8.99	76	99512	21.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	102025	110.077	ug/l	95
59) 2-Hexanone	9.62	43	165445	99.226	ug/l	93
60) Dibromochloromethane	8.87	129	104135	24.938	ug/l	100
61) 1,2-Dibromoethane	9.13	107	74244	23.470	ug/l	97
64) Tetrachloroethene	8.31	164	105448	23.950	ug/l	97
65) Chlorobenzene	9.94	112	233689	22.470	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	106834	21.936	ug/l	99
67) Ethyl Benzene	10.03	91	416160	22.006	ug/l	97
68) m/p-Xylenes	10.27	106	310153	44.552	ug/l	99
69) o-Xylene	10.82	106	167395	21.657	ug/l	98
70) Styrene	10.90	104	250015	22.921	ug/l	99
71) Bromoform	10.88	173	60543	23.545	ug/l #	99
73) Isopropylbenzene	11.21	105	503678	20.543	ug/l	100
74) N-amyl acetate	11.45	43	107364	17.007	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	82863	19.652	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	56130m	19.349	ug/l	
77) Bromobenzene	11.59	156	118815	22.622	ug/l	90
78) n-propylbenzene	11.67	91	539272	20.850	ug/l	100
79) 2-Chlorotoluene	11.80	91	322982	20.586	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	416179	20.381	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	28841m	19.494	ug/l	
82) 4-Chlorotoluene	11.97	91	314986	20.774	ug/l	97
83) tert-Butylbenzene	12.20	119	444146	21.032	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	410121	20.754	ug/l	100
85) sec-Butylbenzene	12.37	105	560073	20.429	ug/l	100
86) p-Isopropyltoluene	12.52	119	484663	20.840	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	212054	21.757	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	199507	21.222	ug/l	99
89) n-Butylbenzene	12.90	91	460642	21.083	ug/l	98
90) Hexachloroethane	12.98	117	120460	20.171	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	204280	21.706	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15651	18.893	ug/l	94

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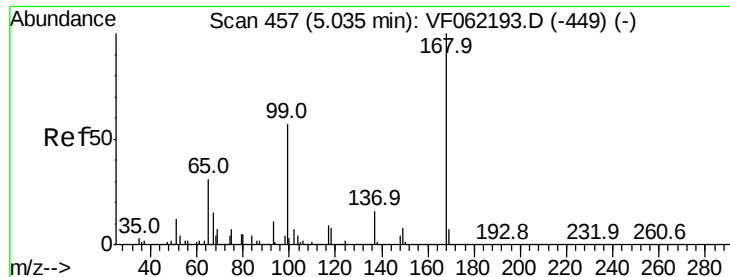
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	176567	22.424	ug/l	96
94) Hexachlorobutadiene	14.23	225	120586	22.334	ug/l	99
95) Naphthalene	14.49	128	266132	19.330	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	160629	21.249	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion:168 Resp: 443124

Ion Ratio Lower Upper

168 100

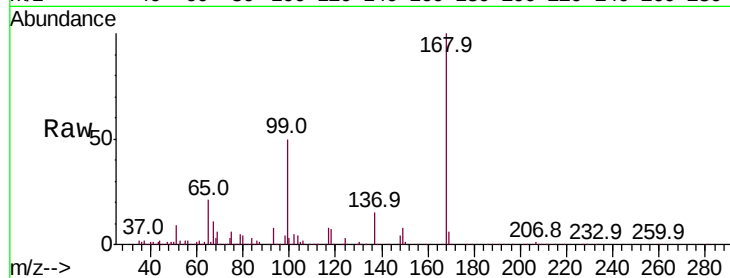
99 49.7 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

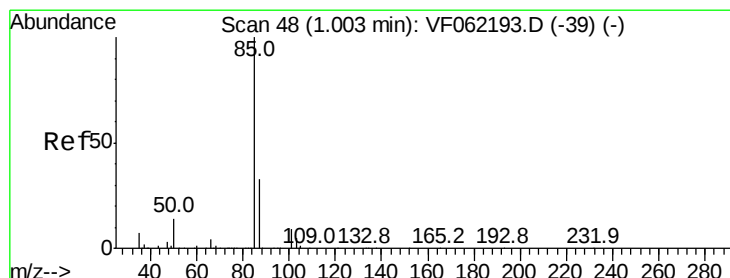
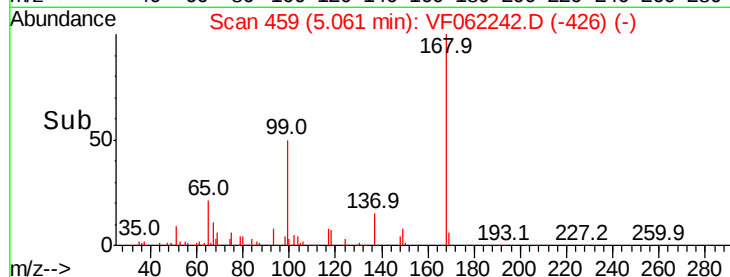
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.531 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062242.D

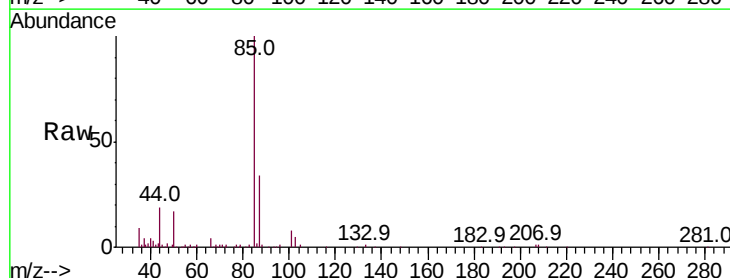
Acq: 22 Apr 2019 14:02

Tgt Ion: 85 Resp: 144990

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

40000

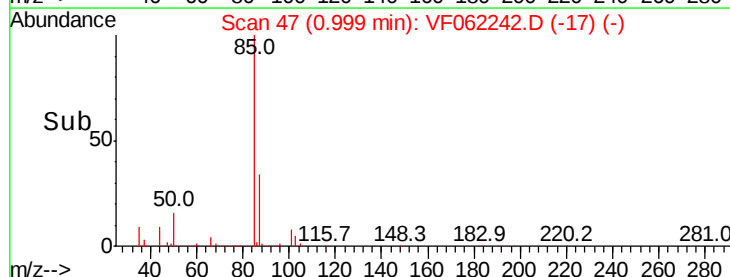
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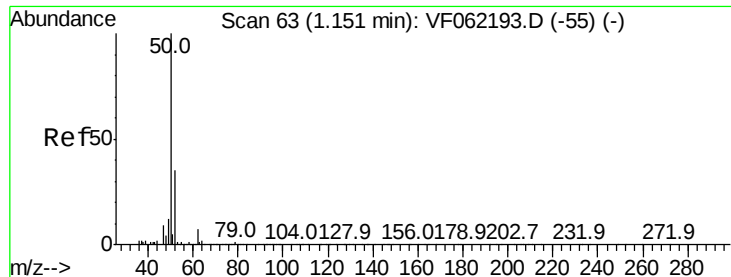
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.786 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 50 Resp: 130758

Ion Ratio Lower Upper

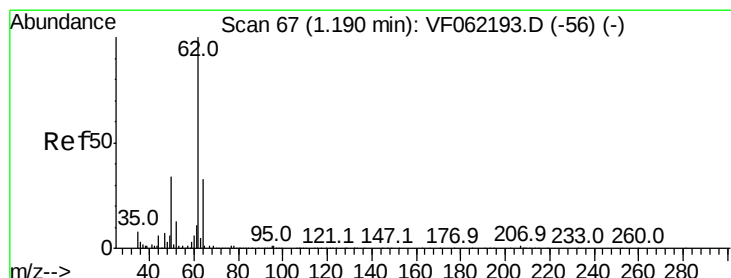
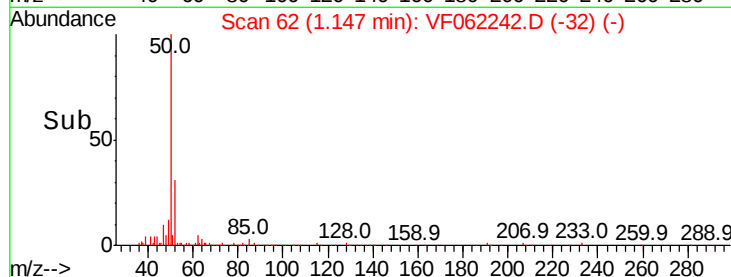
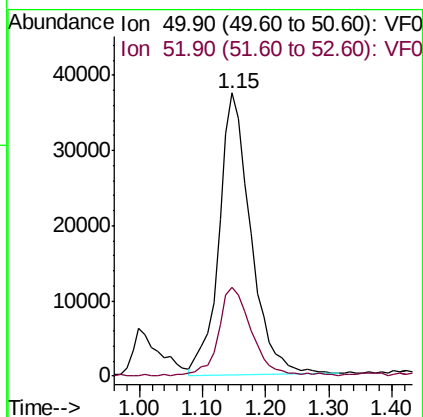
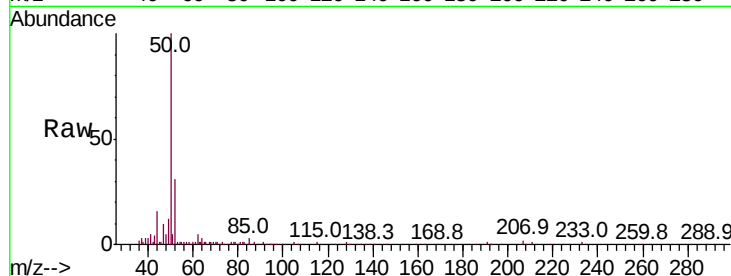
50 100

52 31.3 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.505 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062242.D

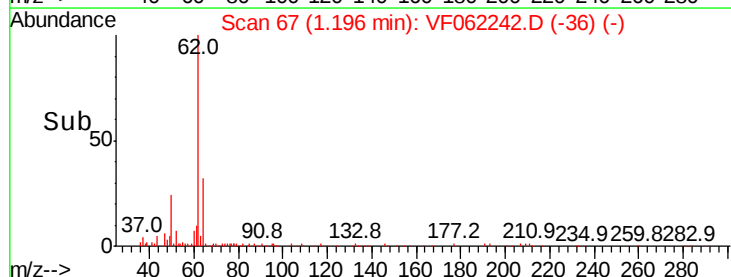
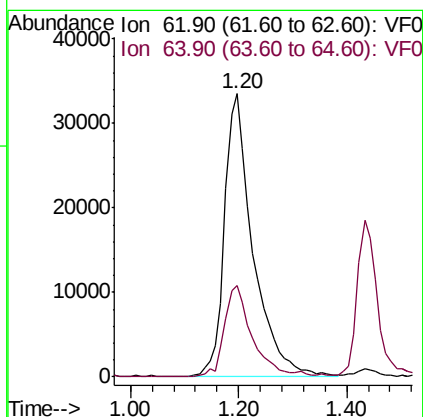
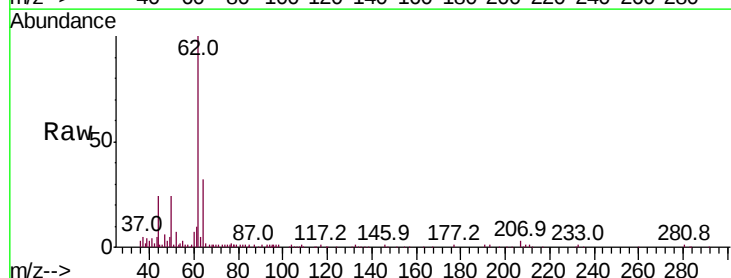
Acq: 22 Apr 2019 14:02

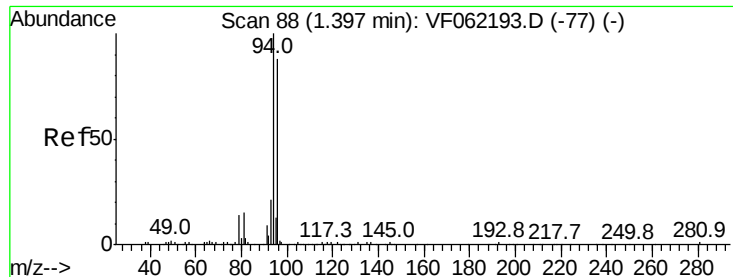
Tgt Ion: 62 Resp: 122620

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.4





#5

Bromomethane

Concen: 20.670 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 94 Resp: 71805

Ion Ratio Lower Upper

94 100

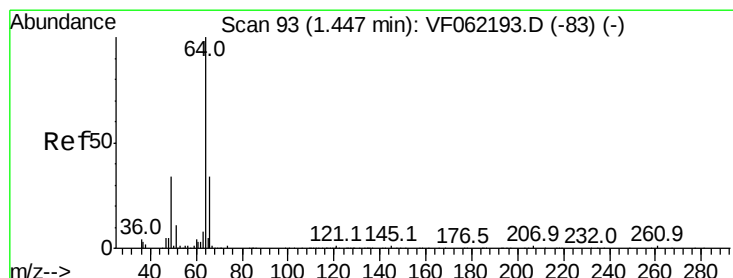
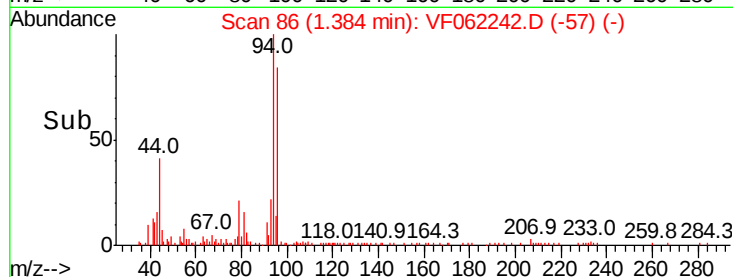
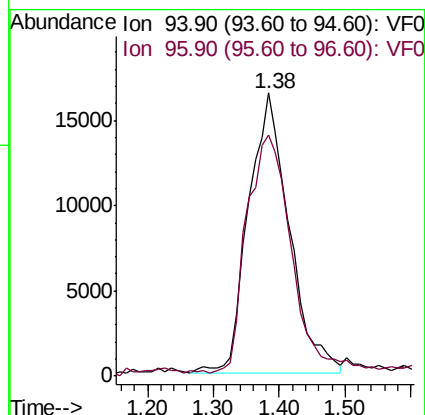
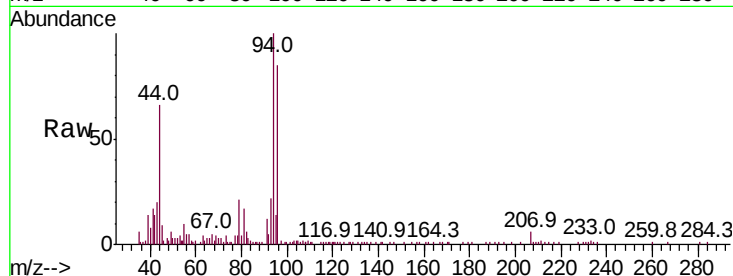
96 83.9 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 18.641 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062242.D

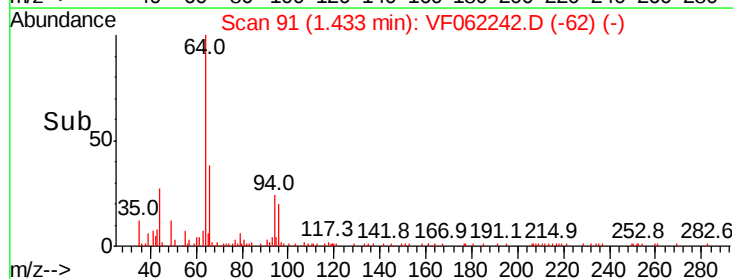
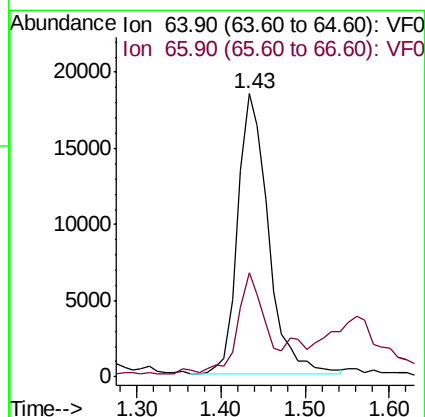
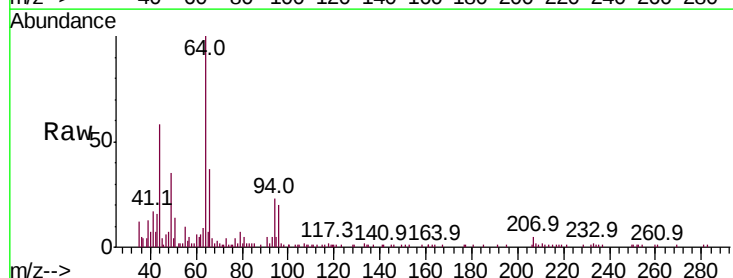
Acq: 22 Apr 2019 14:02

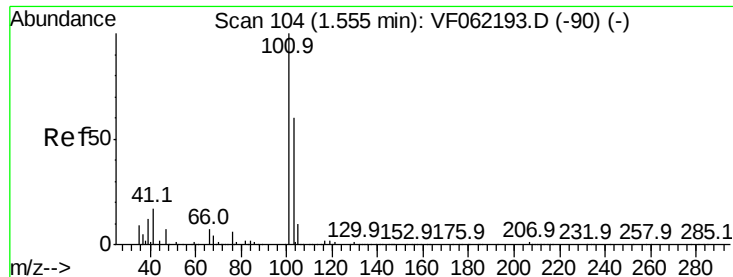
Tgt Ion: 64 Resp: 46600

Ion Ratio Lower Upper

64 100

66 34.7 27.0 40.4





#7

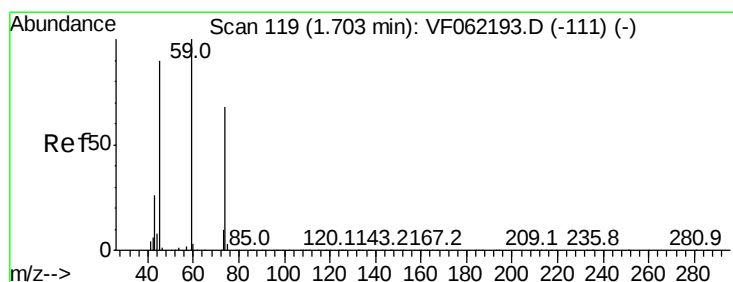
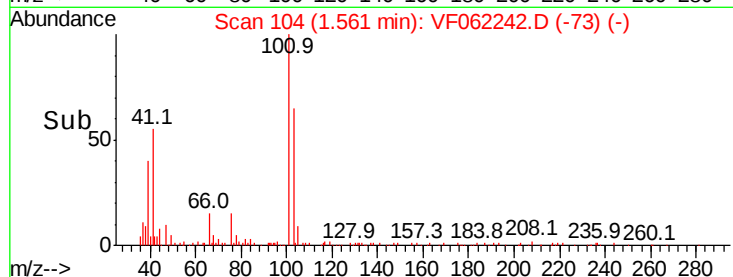
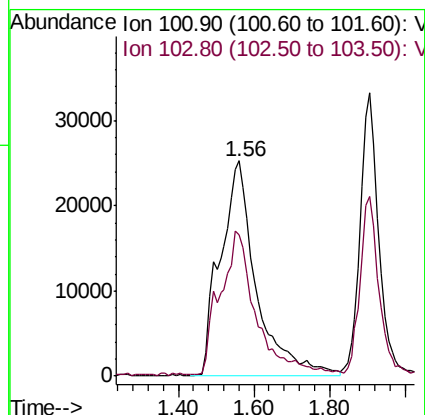
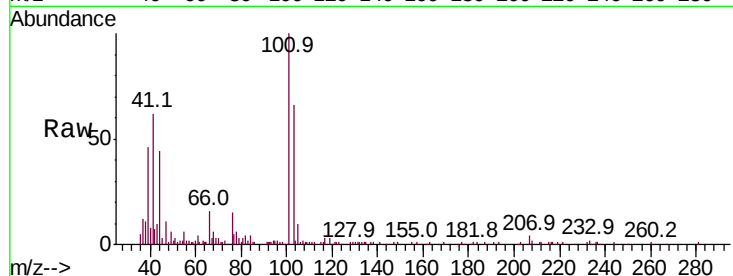
Trichlorofluoromethane
Concen: 22.037 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
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ClientSampleId :
VF0422SBS01

Tot Ion:101 Resp: 167409
Ion Ratio Lower Upper
101 100
103 64.9 48.2 72.4

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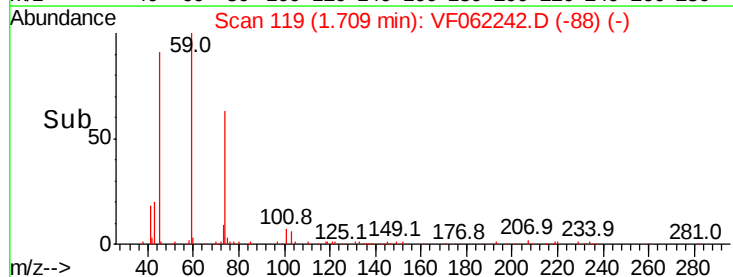
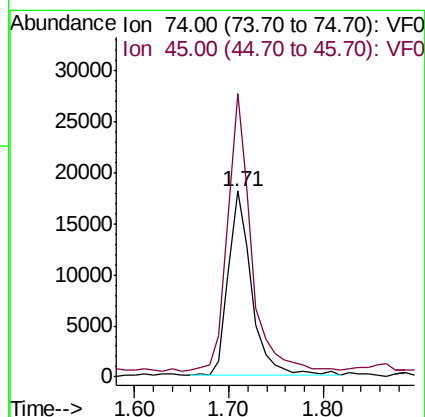
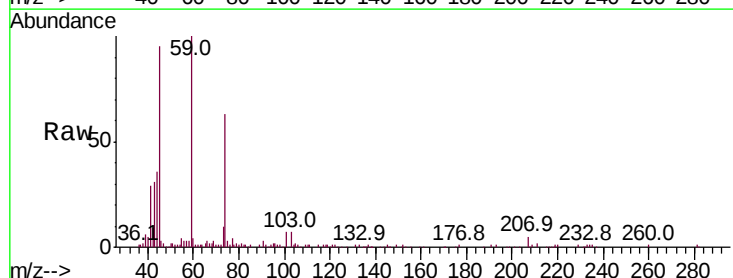
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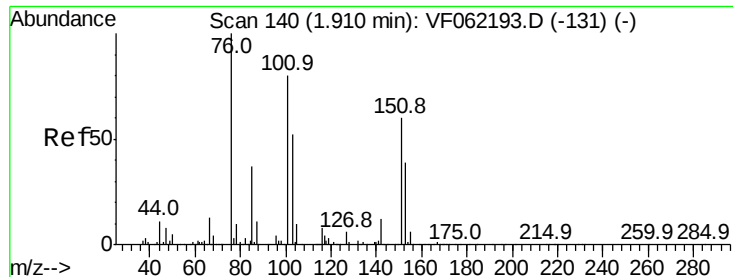


#8

Diethyl Ether
Concen: 19.362 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 74 Resp: 30614
Ion Ratio Lower Upper
74 100
45 153.0 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.192 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

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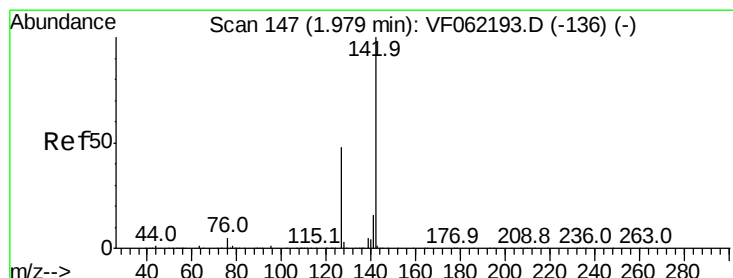
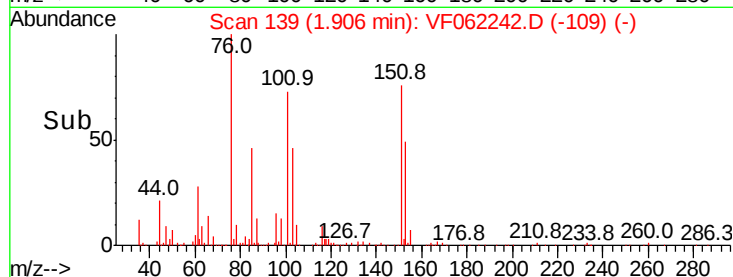
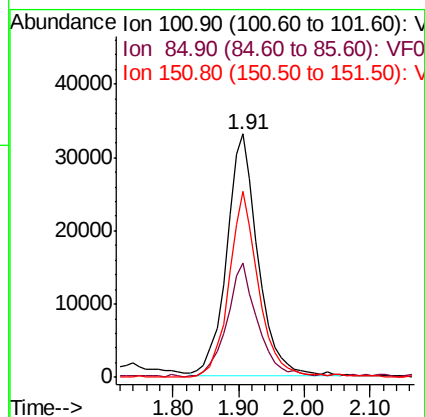
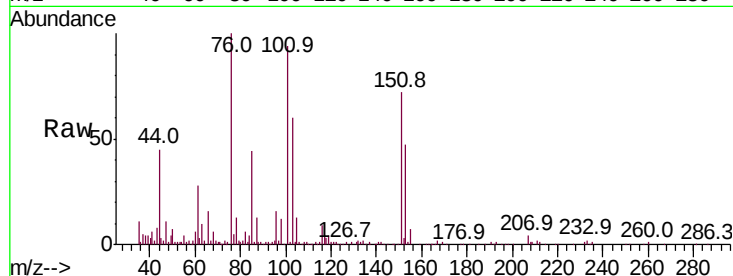
ClientSampleId :

VF0422SBS01

Tot Ion:	101	Resp:	109981
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.3	52.9
151	73.7	57.5	86.3

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#10

Methyl Iodide

Concen: 21.244 ug/l

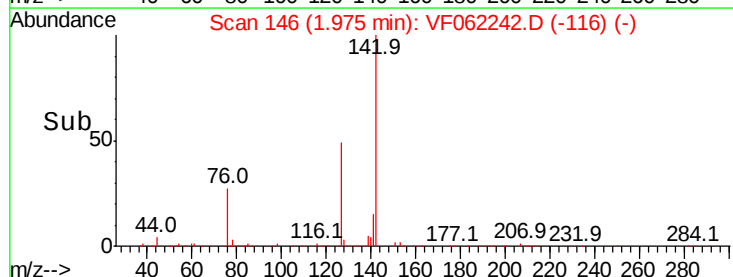
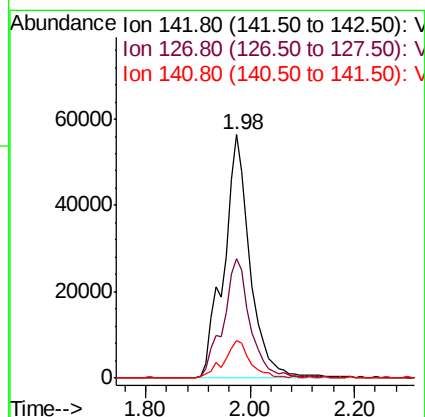
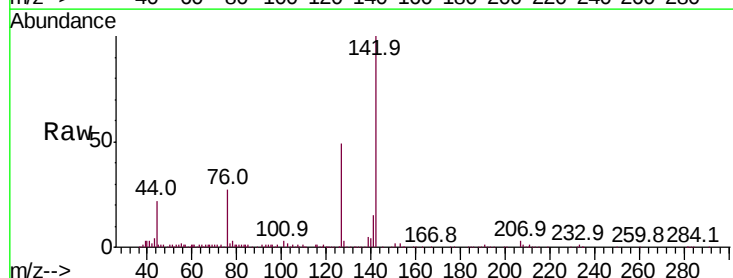
RT: 1.98 min Scan# 146

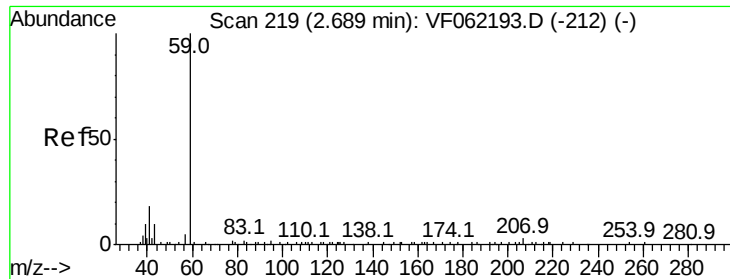
Delta R.T. -0.00 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion:	142	Resp:	195863
Ion Ratio	Lower	Upper	
142	100		
127	50.4	33.0	49.4#
141	15.5	12.7	19.1





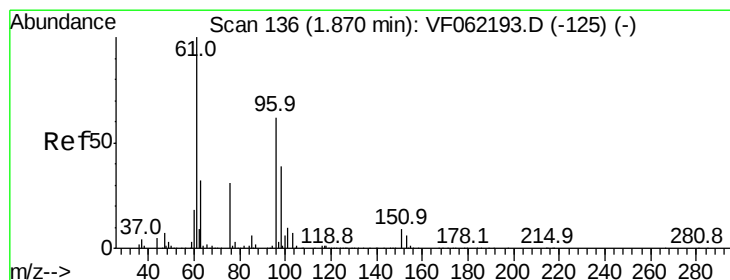
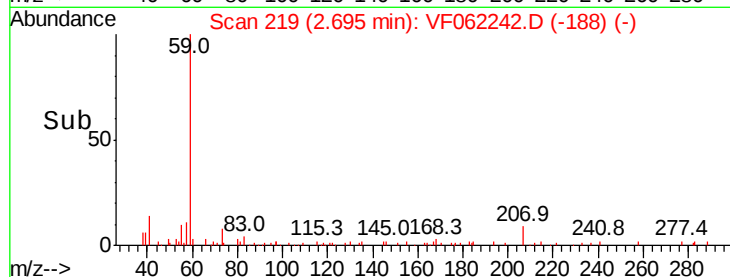
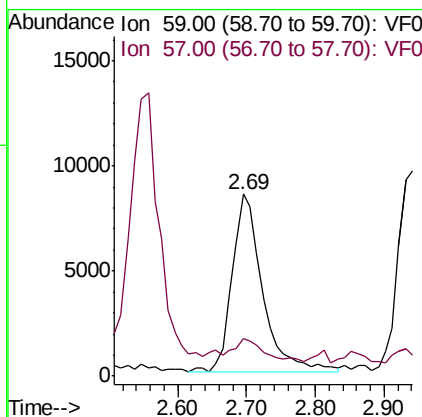
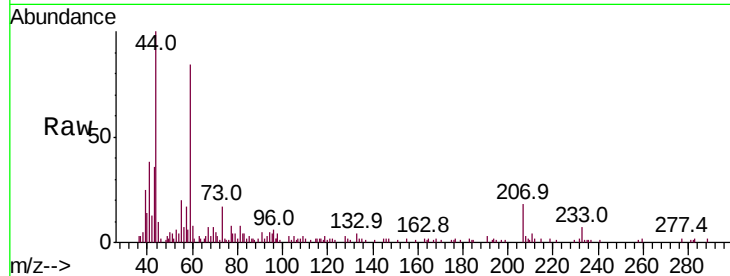
#11
Tert butyl alcohol
Concen: 92.625 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	9.3	13.9

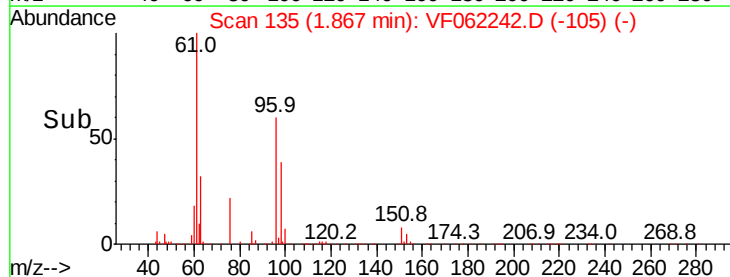
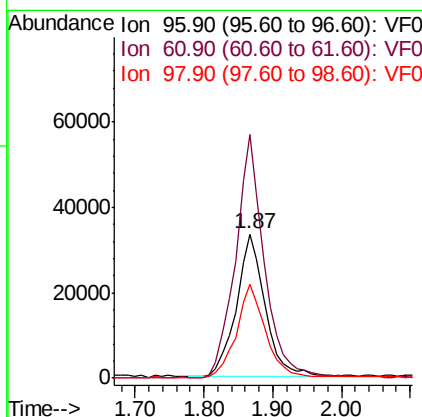
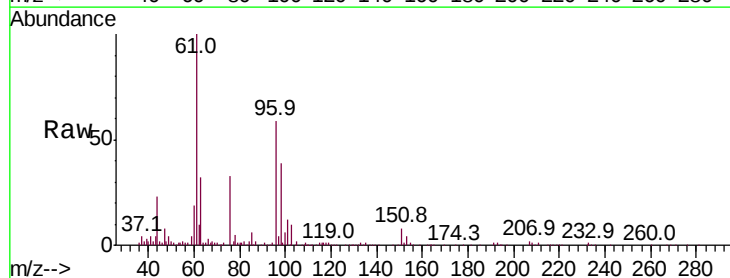
Manual Integrations
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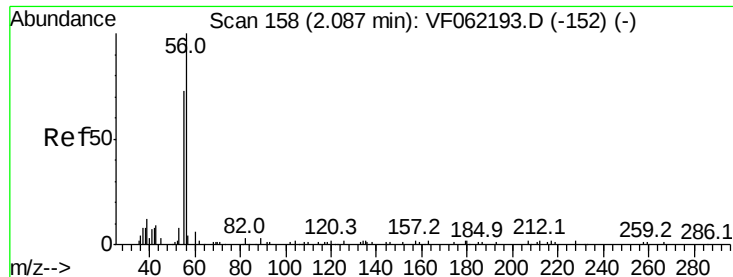
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#12
1,1-Dichloroethene
Concen: 19.536 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.00 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.4	129.1	193.7
98	65.4	50.0	75.0





#13

Acrolein

Concen: 109.919 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 56 Resp: 15823

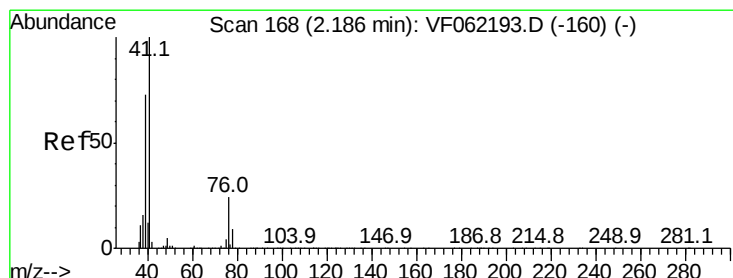
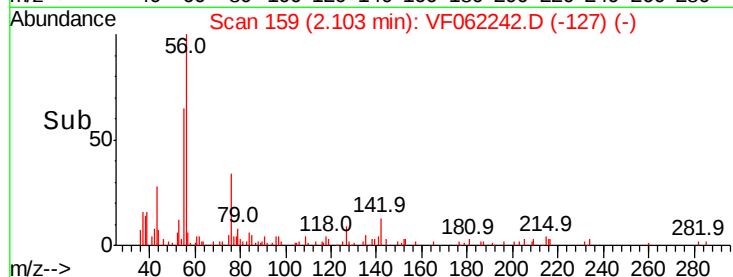
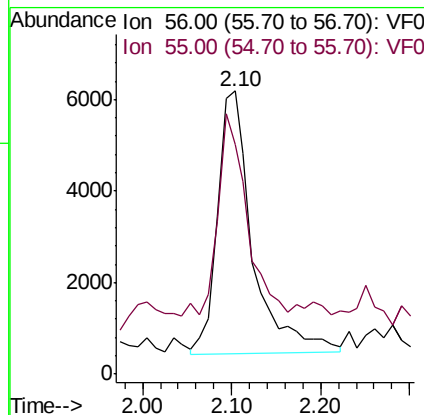
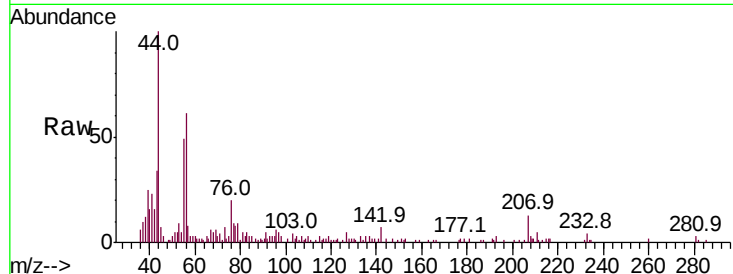
Ion Ratio Lower Upper

56 100

55 66.2 57.4 86.0

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#14

Allyl chloride

Concen: 24.881 ug/l m

RT: 2.20 min Scan# 169

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

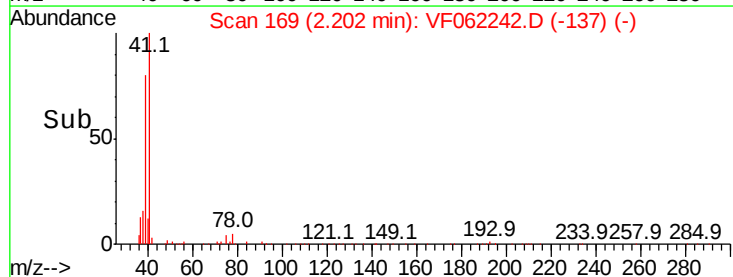
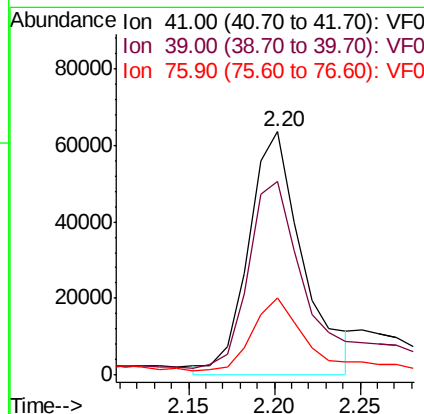
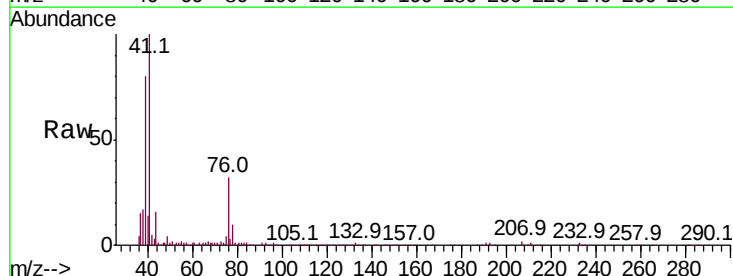
Tgt Ion: 41 Resp: 140948

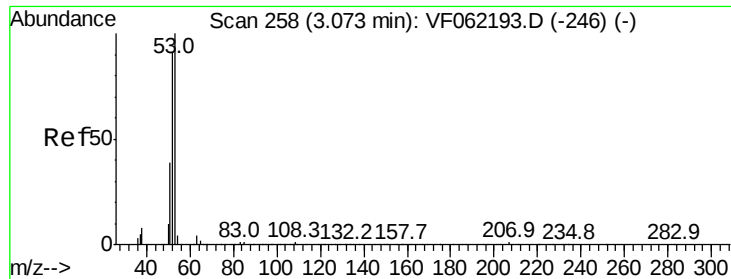
Ion Ratio Lower Upper

41 100

39 96.6 60.0 90.0#

76 36.6 20.6 30.8#





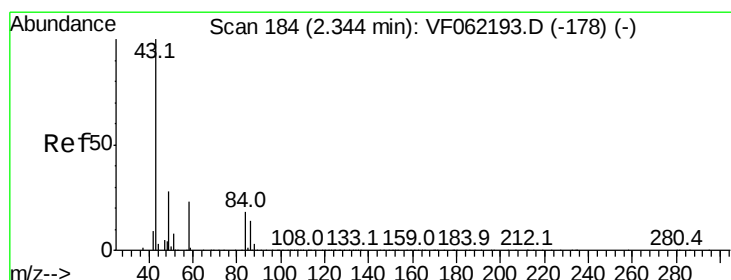
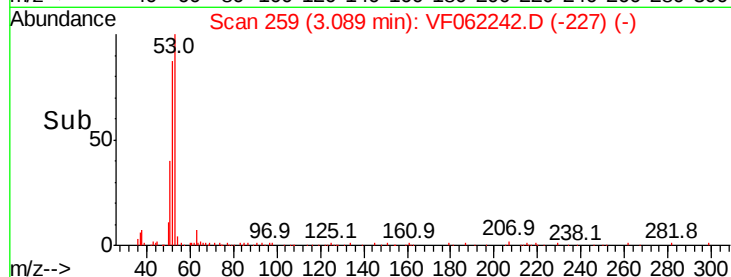
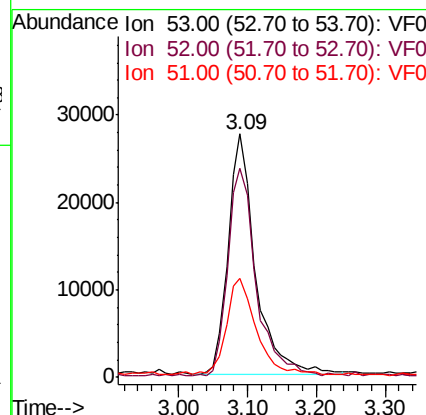
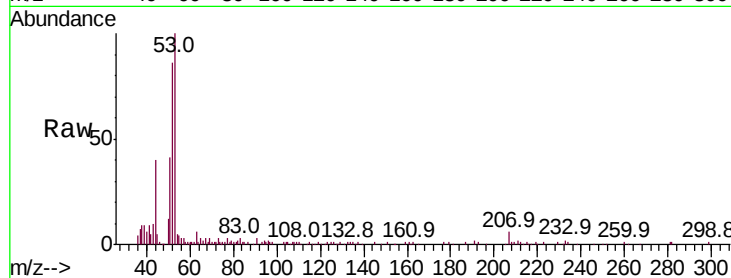
#15
 Acrylonitrile
 Concen: 88.341 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion:	53	Resp:	75995
Ion	Ratio	Lower	Upper
53	100		
52	89.0	69.5	104.3
51	42.8	31.8	47.8

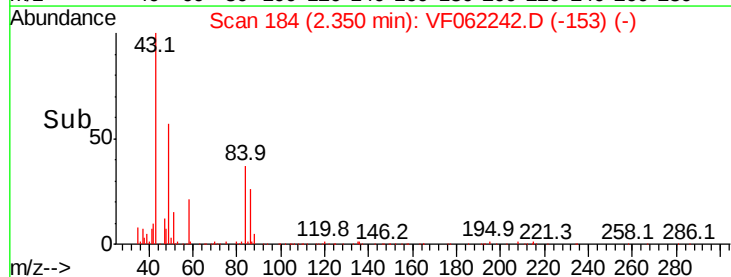
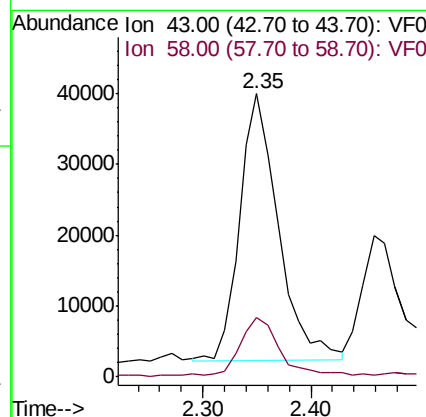
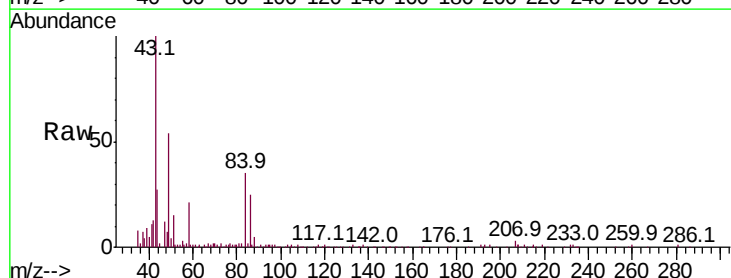
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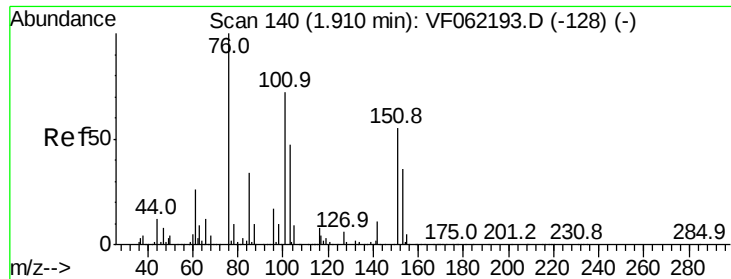
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#16
 Acetone
 Concen: 96.232 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion:	43	Resp:	93462
Ion	Ratio	Lower	Upper
43	100		
58	21.4	18.8	28.2





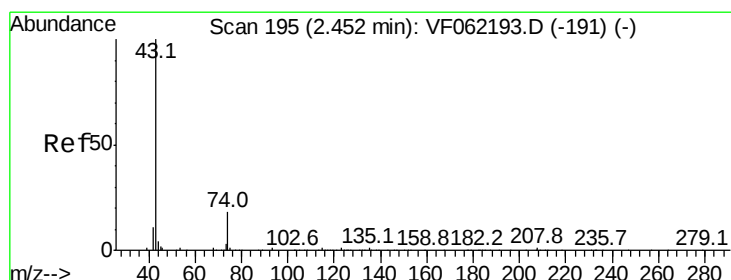
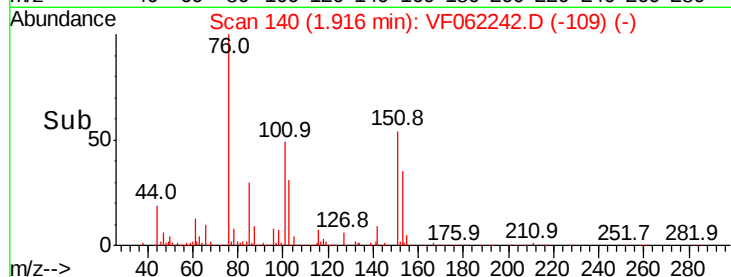
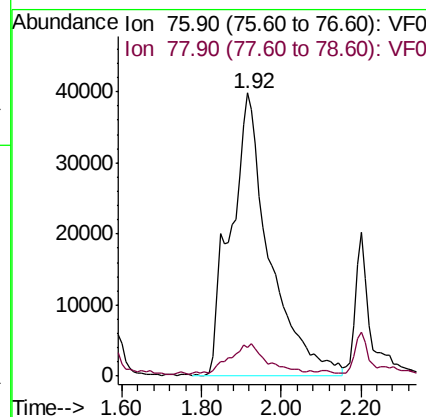
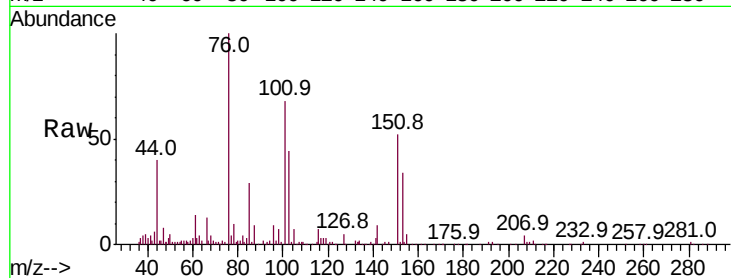
#17
Carbon Disulfide
Concen: 19.839 ug/l
RT: 1.92 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion: 76 Resp: 272120
Ion Ratio Lower Upper
76 100
78 9.2 8.7 13.1

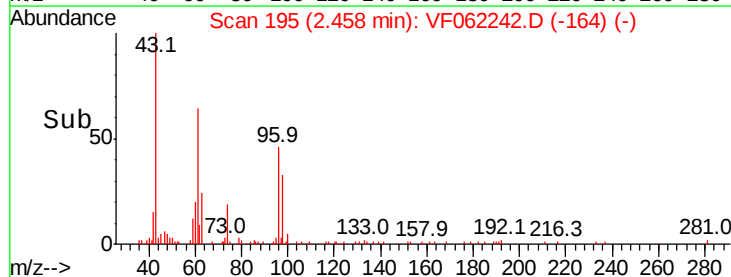
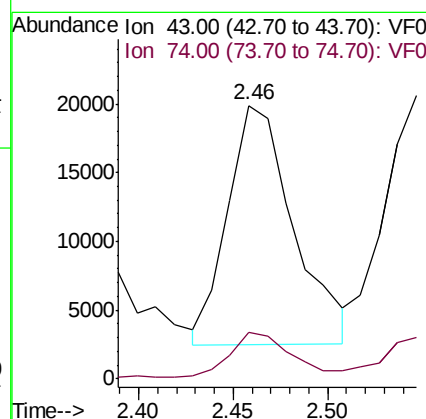
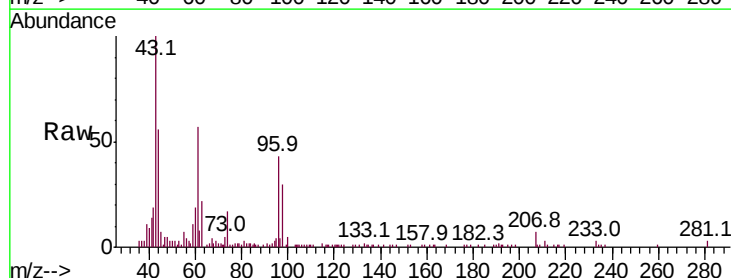
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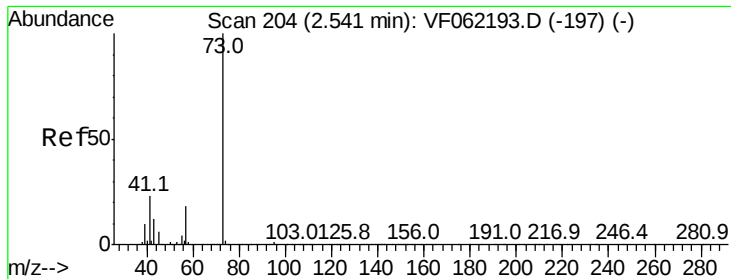
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#18
Methyl Acetate
Concen: 16.130 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 43 Resp: 42018
Ion Ratio Lower Upper
43 100
74 17.4 14.5 21.7





#19

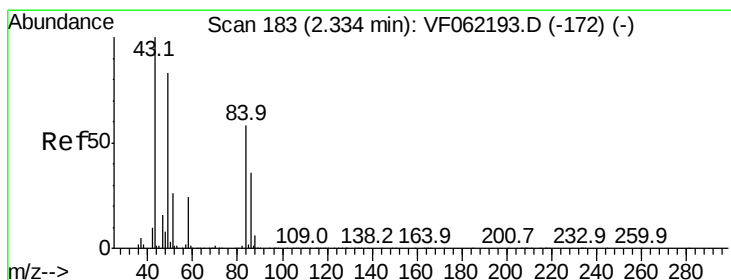
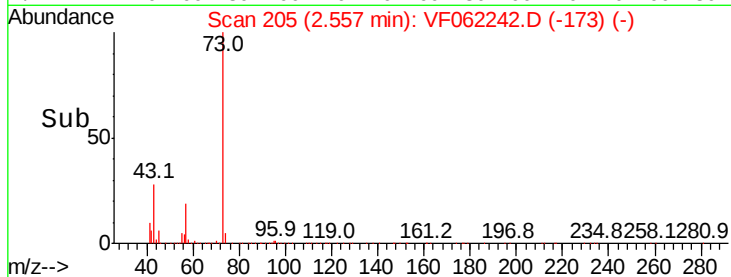
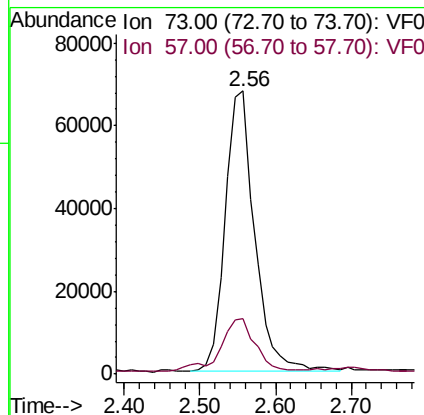
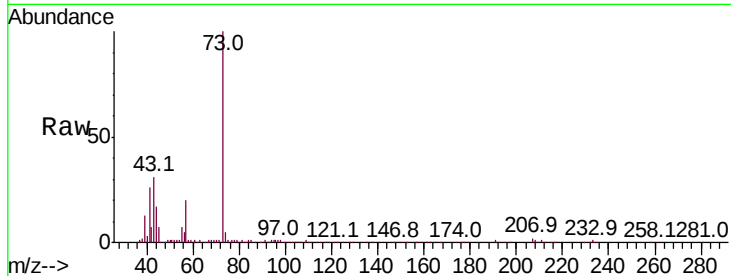
Methyl tert-butyl Ether
 Concen: 21.152 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	15.1	22.7

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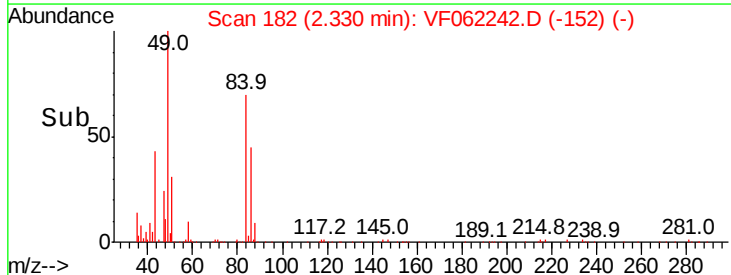
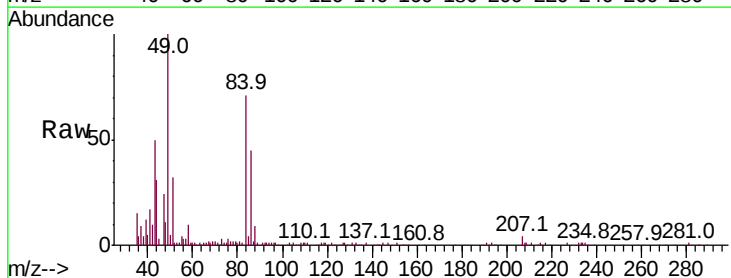
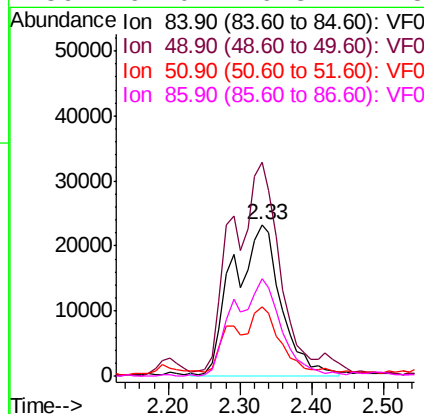
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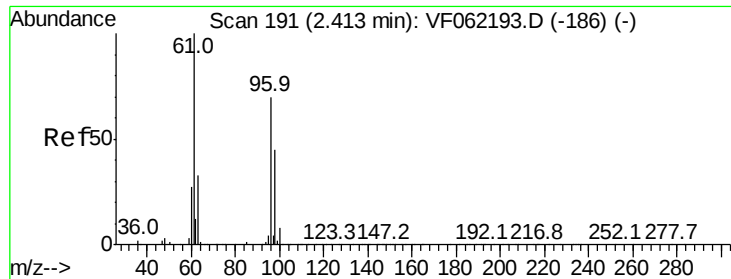


#20

Methylene Chloride
 Concen: 18.762 ug/l m
 RT: 2.33 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.0	114.0	171.0
51	45.5	37.0	55.4
86	64.0	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 19.122 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

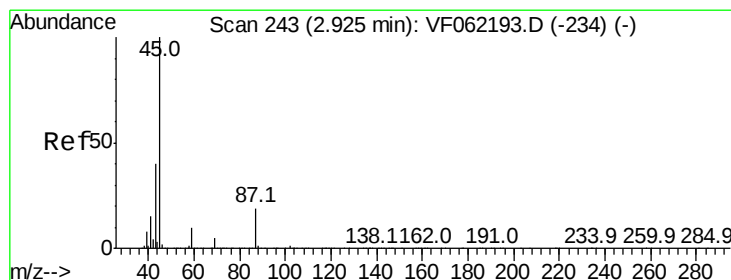
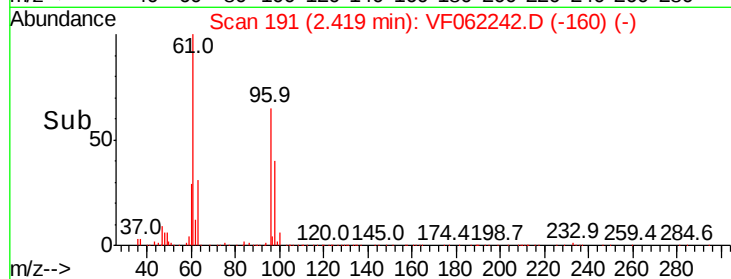
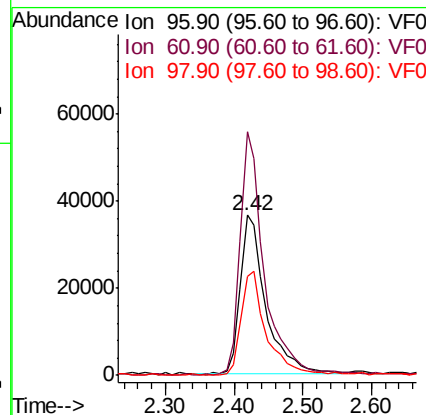
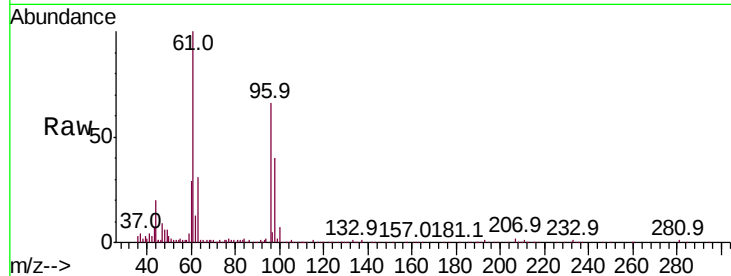
ClientSampleId :

VF0422SBS01

Tot Ion:	96	Resp:	93343
Ion	Ratio	Lower	Upper
96	100		
61	153.5	114.6	172.0
98	61.6	51.2	76.8

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#22

Diisopropyl ether

Concen: 19.597 ug/l

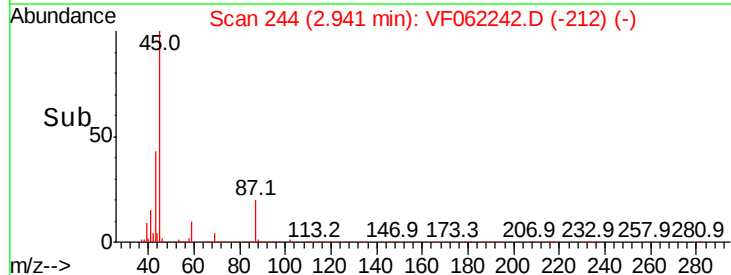
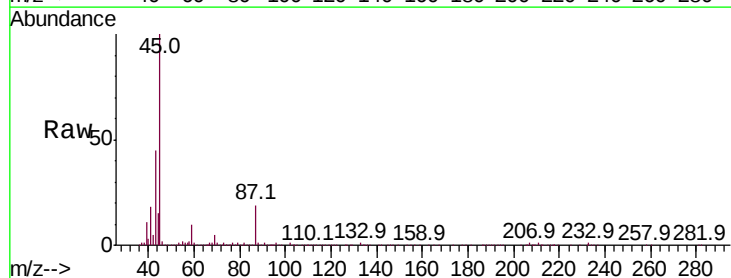
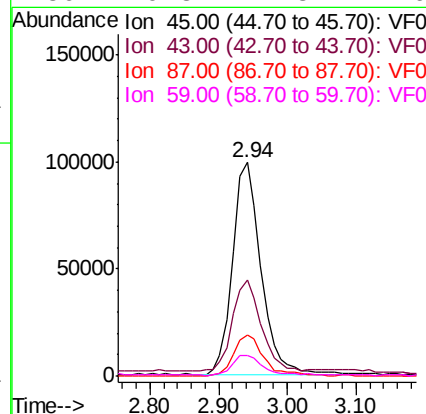
RT: 2.94 min Scan# 244

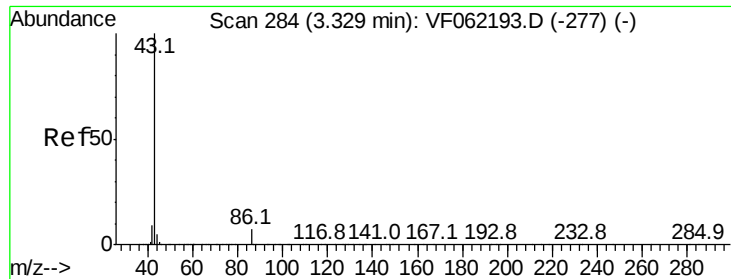
Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion:	45	Resp:	283986
Ion	Ratio	Lower	Upper
45	100		
43	42.7	32.8	49.2
87	19.6	15.2	22.8
59	9.3	7.8	11.6





#23

Vinyl Acetate

Concen: 97.891 ug/l

RT: 3.35 min Scan# 285

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 43 Resp: 675858

Ion Ratio Lower Upper

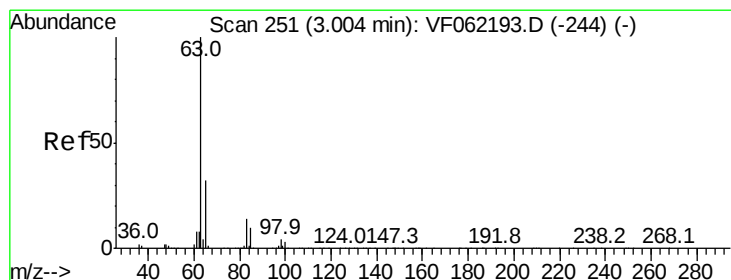
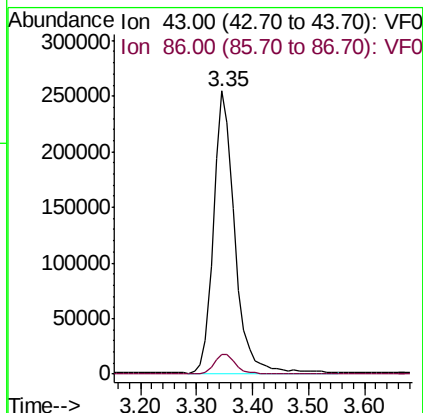
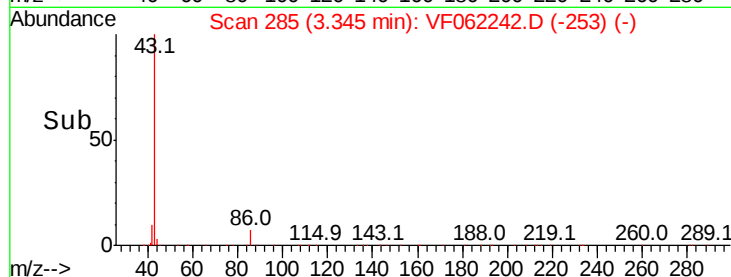
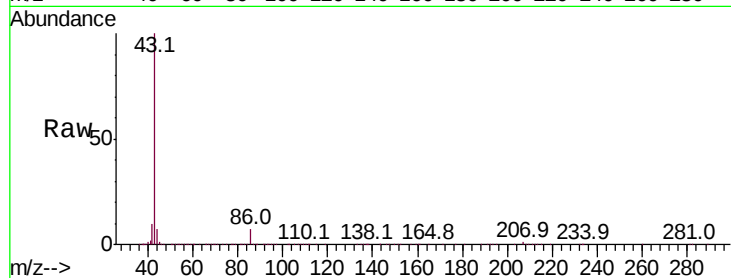
43 100

86 7.2 5.9 8.9

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#24

1,1-Dichloroethane

Concen: 20.660 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

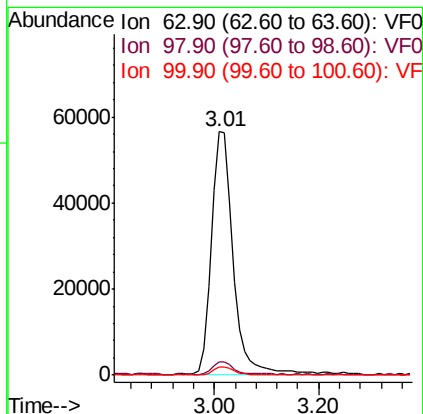
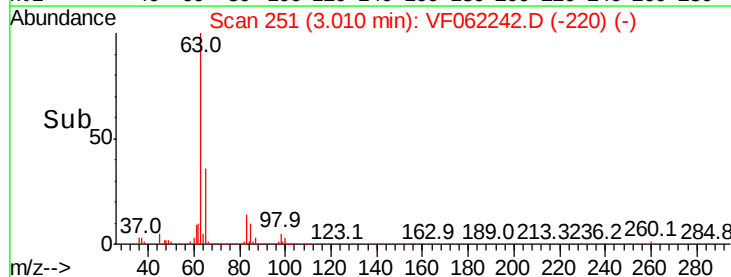
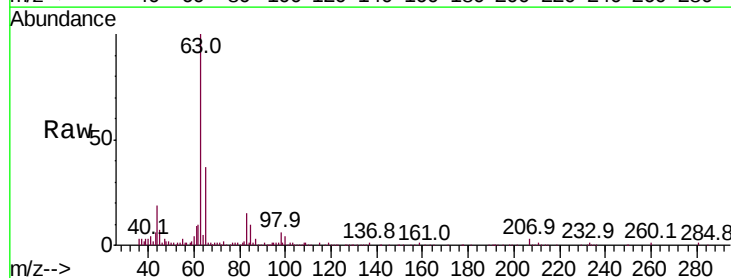
Tgt Ion: 63 Resp: 163770

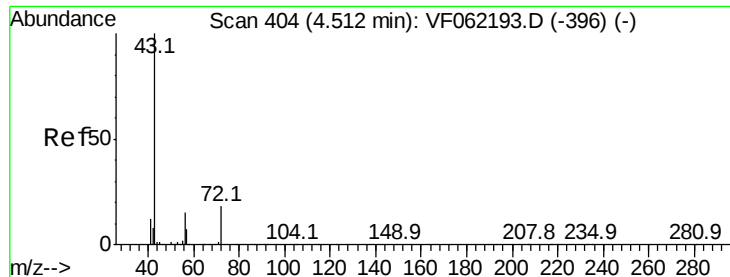
Ion Ratio Lower Upper

63 100

98 5.1 2.3 6.8

100 3.6 1.7 5.0





#25

2-Butanone

Concen: 89.871 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tot Ion: 43 Resp: 174529

Ion Ratio Lower Upper

43 100

72 19.0 16.1 24.1

Instrument :

MSVOA_F

ClientSampleId :

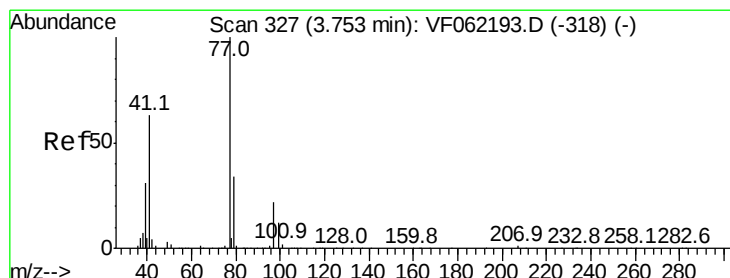
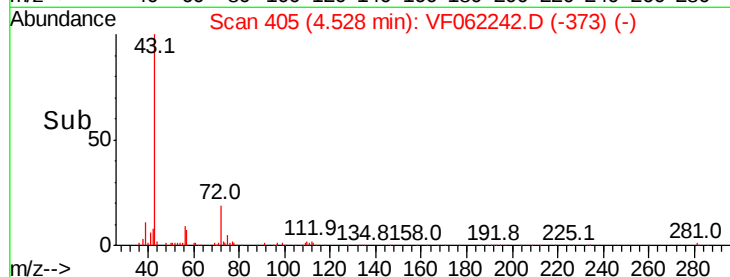
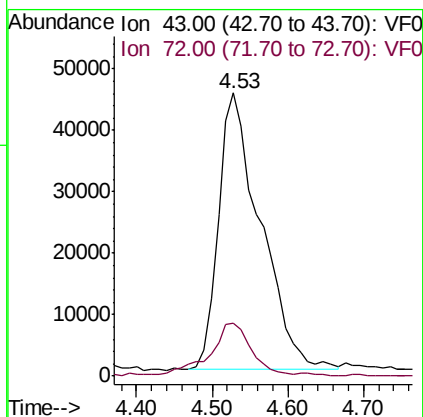
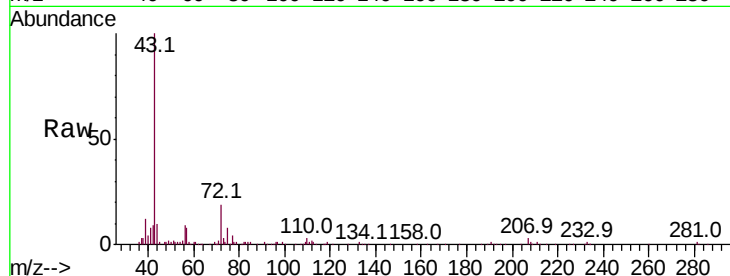
VF0422SBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.919 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.03 min

Lab File: VF062242.D

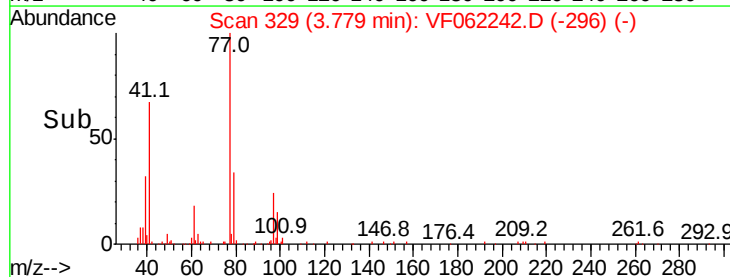
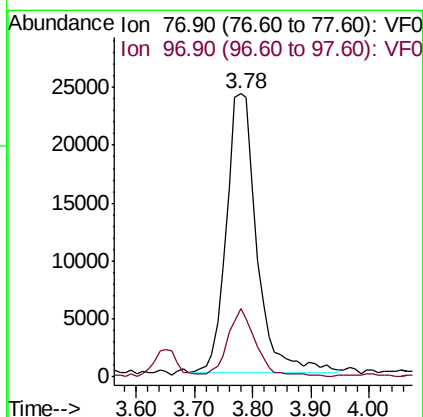
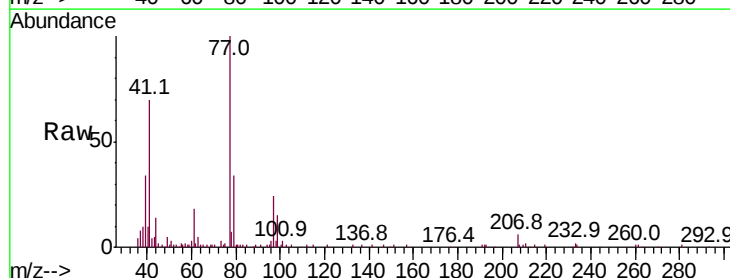
Acq: 22 Apr 2019 14:02

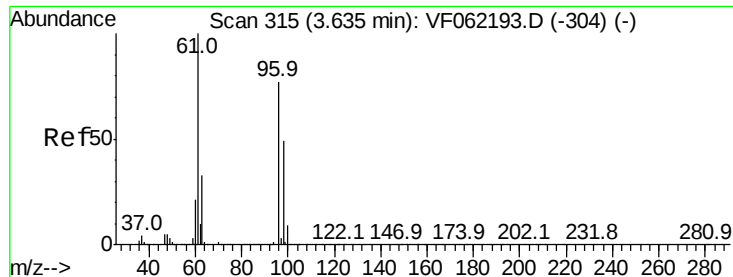
Tgt Ion: 77 Resp: 87723

Ion Ratio Lower Upper

77 100

97 23.2 11.1 33.3





#27

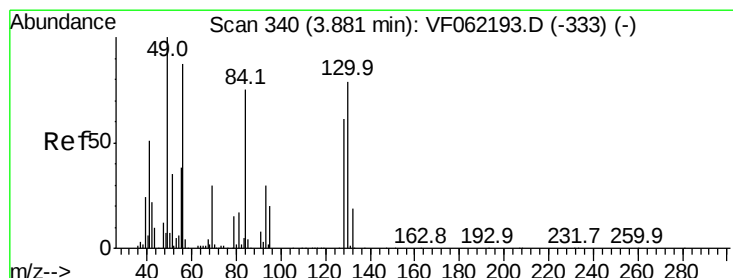
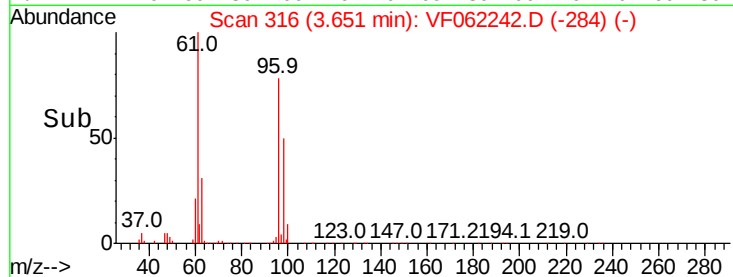
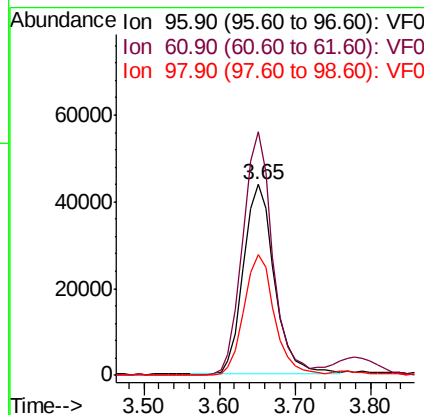
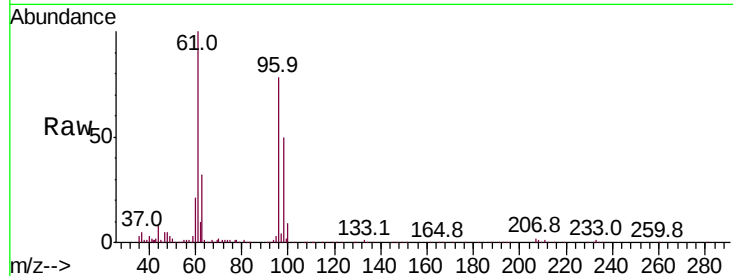
cis-1,2-Dichloroethene
Concen: 19.799 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125161		
61	125.0	0.0	253.6	
98	62.6	0.0	124.8	

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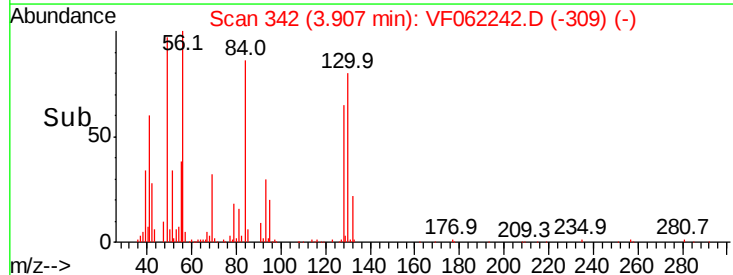
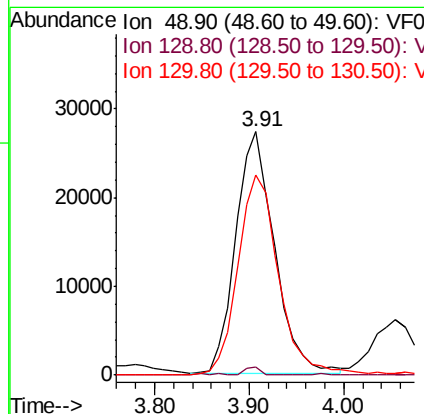
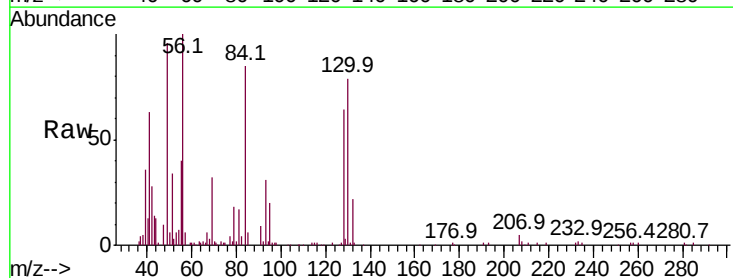
MMDadoda
4/23/2019 9:22:25 AM

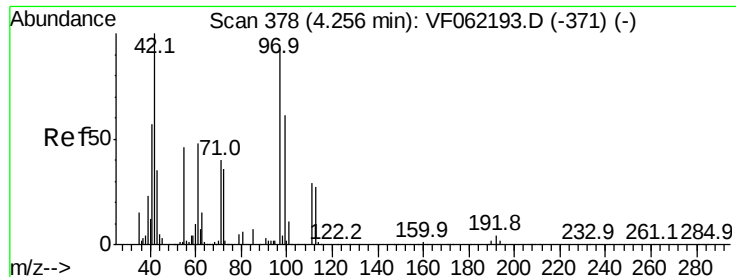


#28

Bromochloromethane
Concen: 20.357 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	77303		
129	1.3	0.0	0.0#	
130	87.7	66.6	100.0	





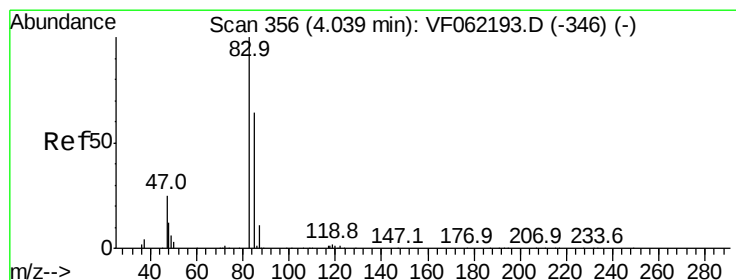
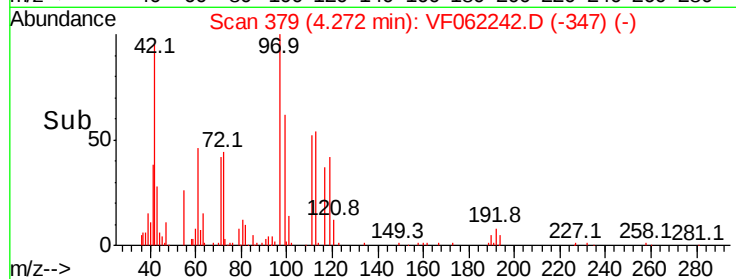
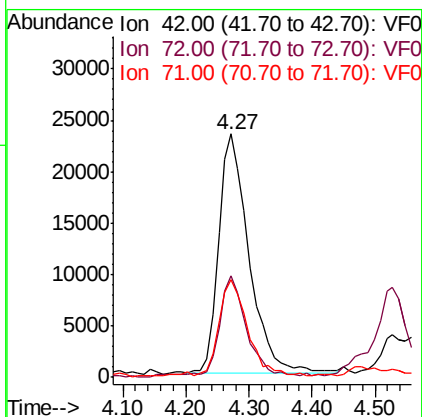
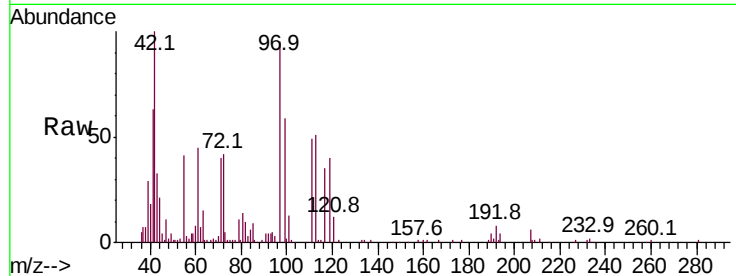
#29
Tetrahydrofuran
Concen: 89.188 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.6	43.0
71	37.3	29.2	43.8

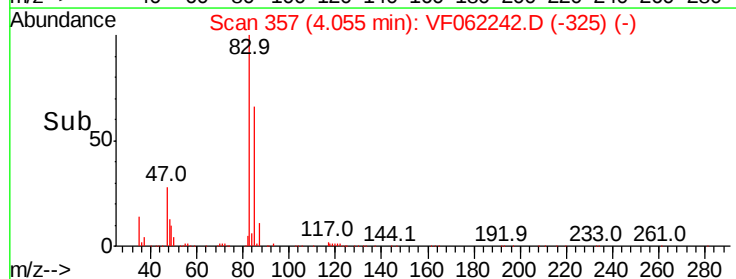
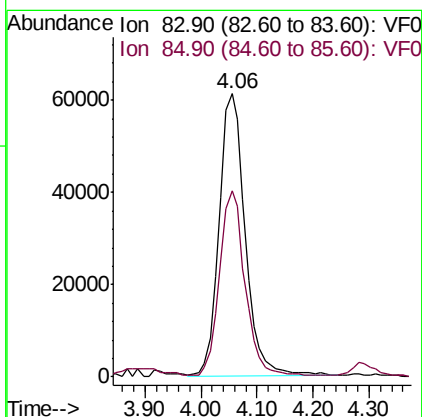
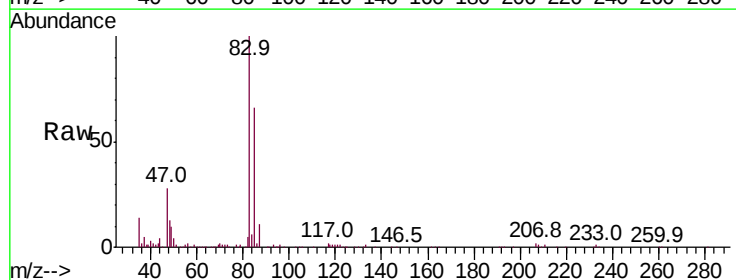
Manual Integrations
APPROVED

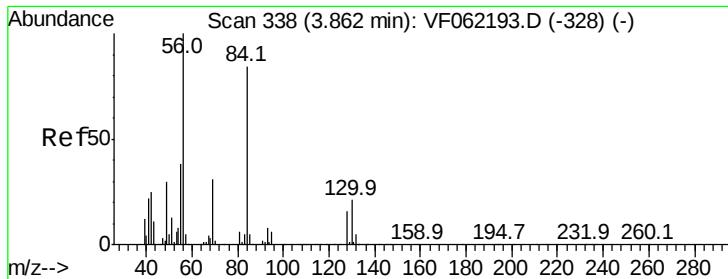
MMDadoda
4/23/2019 9:22:25 AM



#30
Chloroform
Concen: 20.376 ug/l
RT: 4.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8





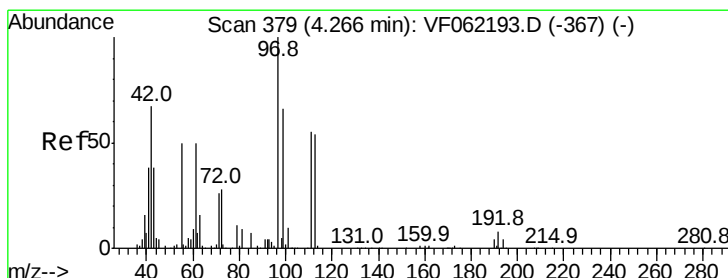
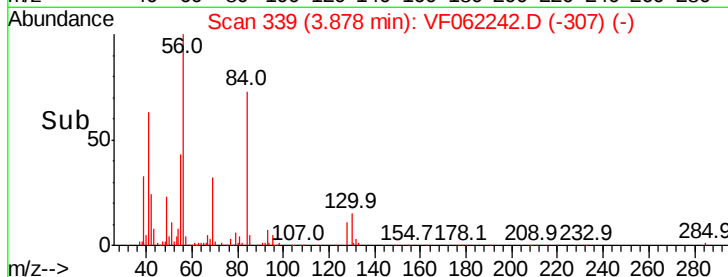
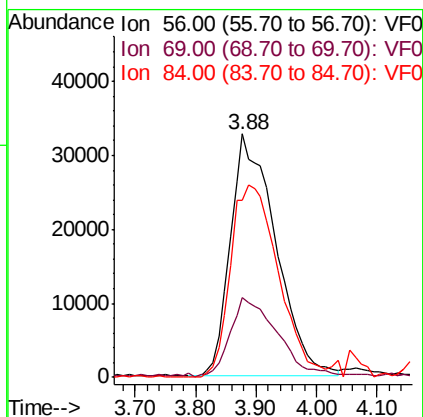
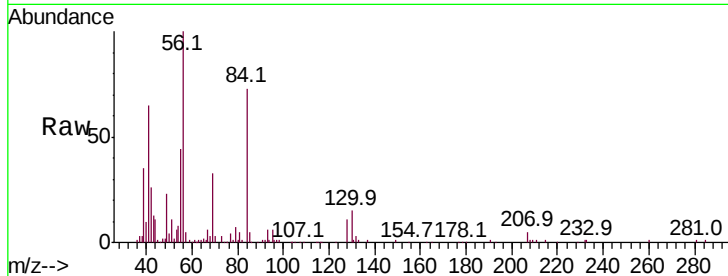
#31
Cyclohexane
Concen: 17.926 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.1	37.7
84	72.9	67.8	101.6

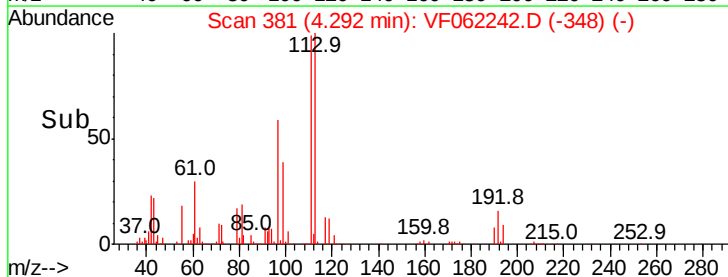
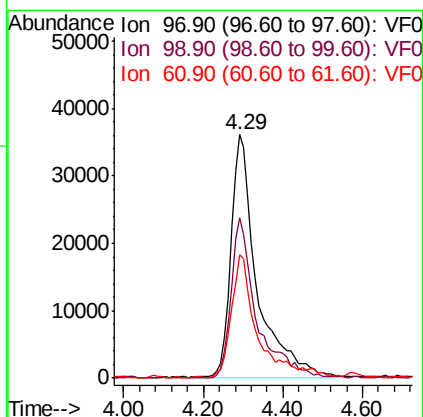
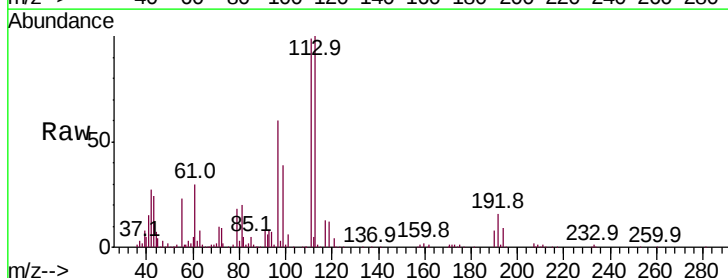
Manual Integrations
APPROVED

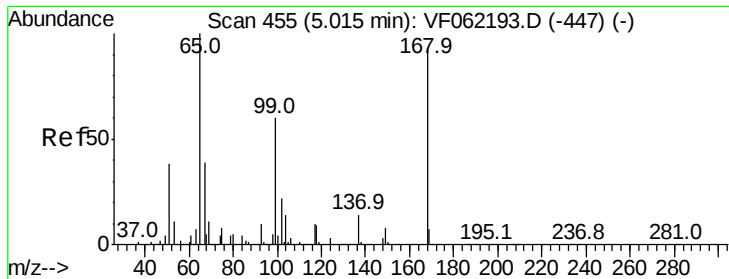
MMDadoda
4/23/2019 9:22:25 AM



#32
1,1,1-Trichloroethane
Concen: 23.422 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.7	79.1
61	50.6	53.0	79.4#





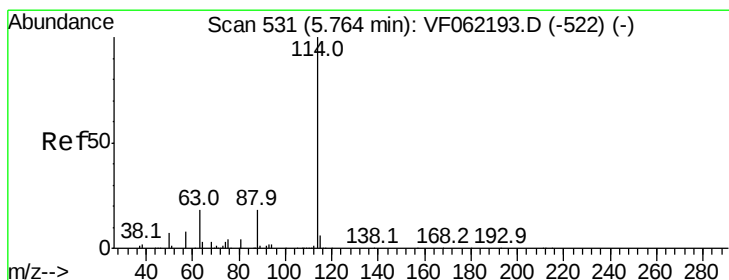
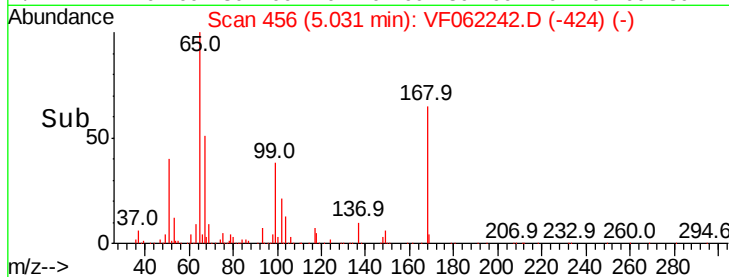
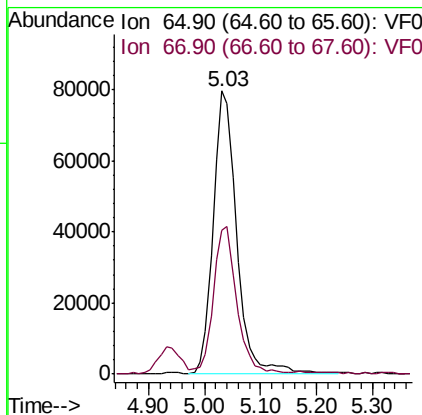
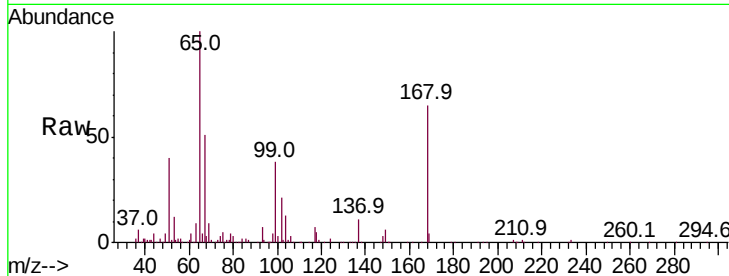
#33
 1,2-Dichloroethane-d4
 Concen: 57.488 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	109.4

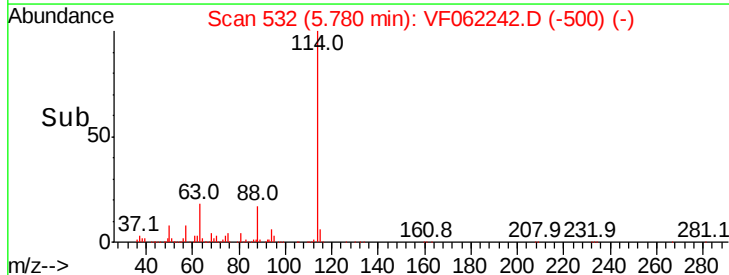
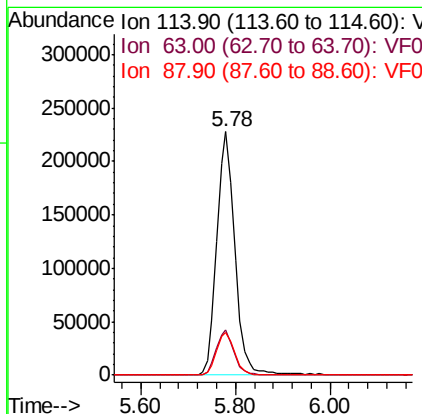
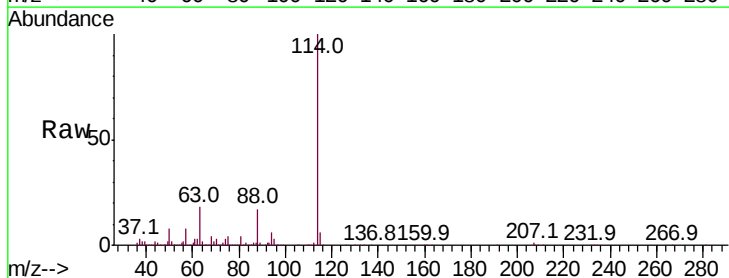
Manual Integrations
 APPROVED

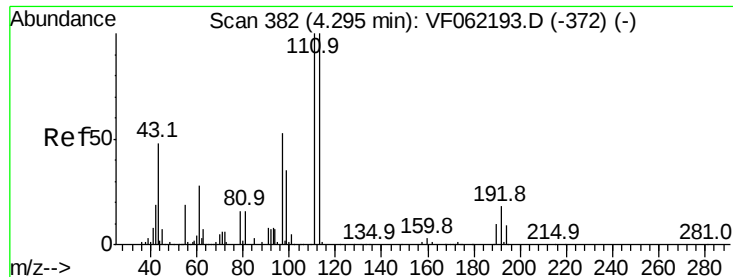
MMDadoda
 4/23/2019 9:22:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	36.6
88	17.4	0.0	35.8





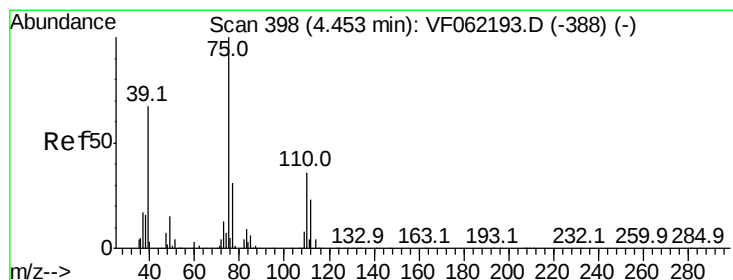
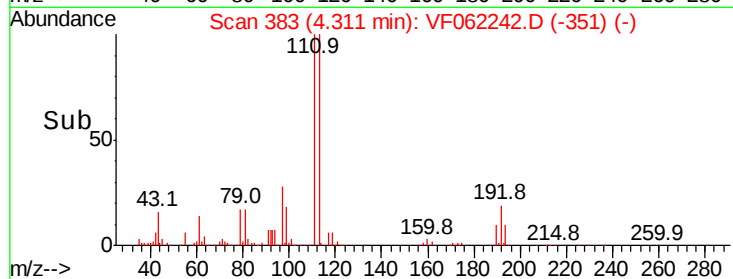
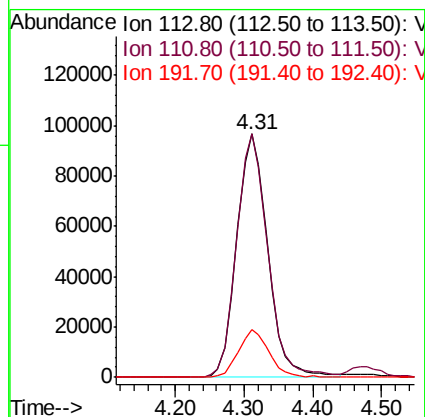
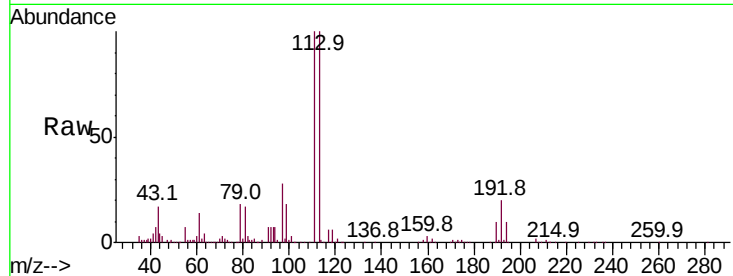
#35
 Dibromofluoromethane
 Concen: 57.170 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	302367		
111	100.3	81.1	121.7	
192	19.4	14.7	22.1	

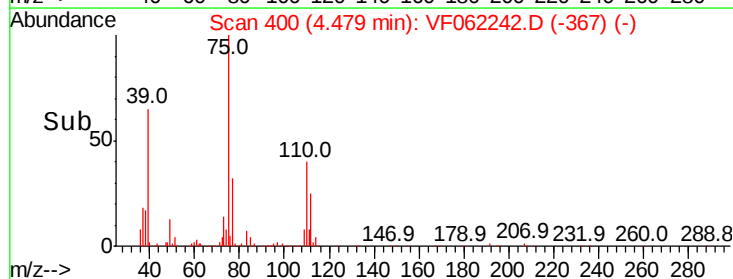
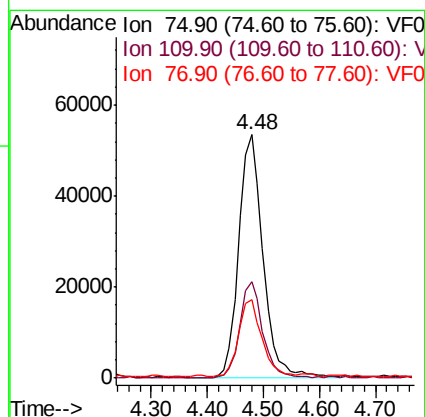
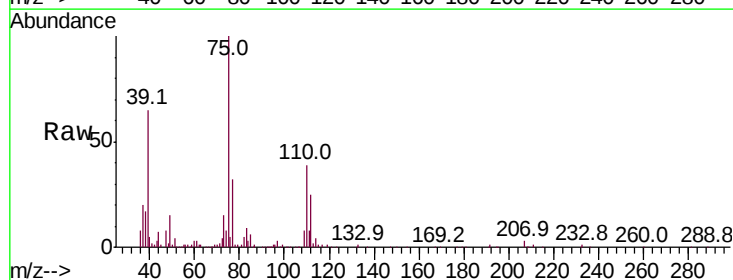
Manual Integrations
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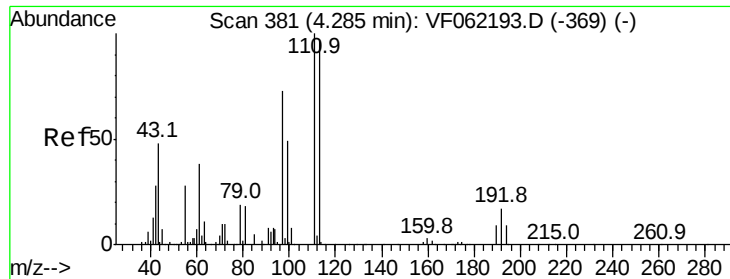
MMDadoda
 4/23/2019 9:22:25 AM



#36
 1,1-Dichloropropene
 Concen: 22.317 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.03 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	161778		
110	36.7	18.4	55.2	
77	29.9	25.4	38.2	





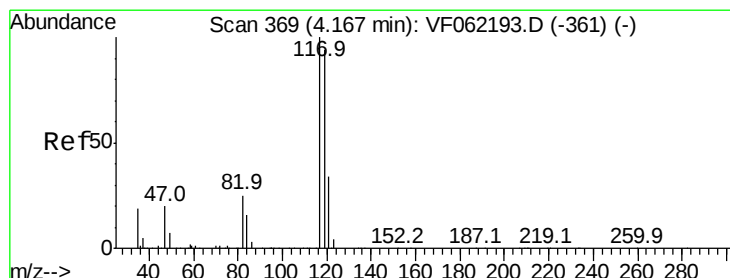
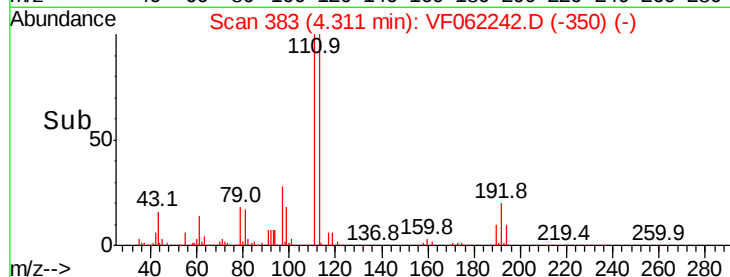
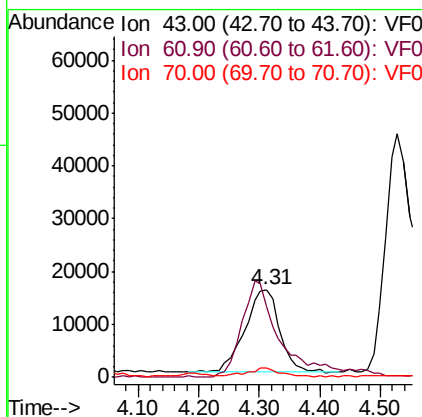
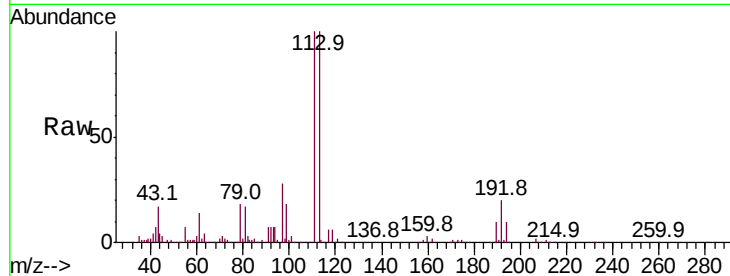
#37
Ethyl Acetate
Concen: 18.042 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	136.9	10.1
Lower		0.0	7.8
Upper		0.0#	11.6

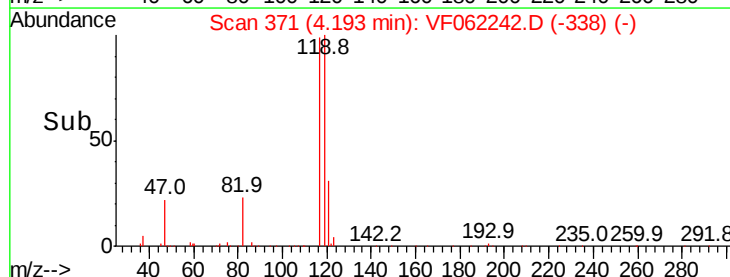
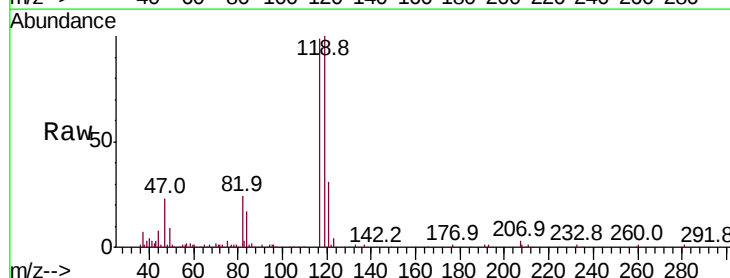
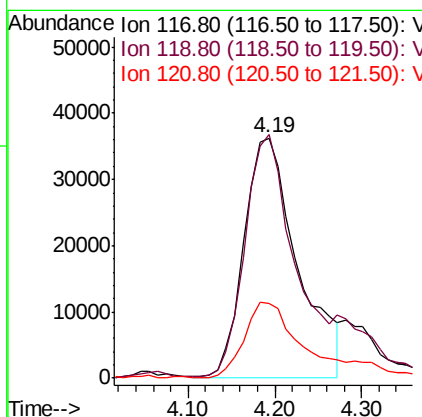
Manual Integrations
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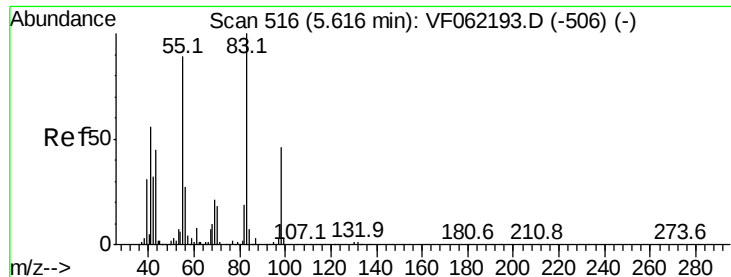
MMDadoda
4/23/2019 9:22:25 AM



#38
Carbon Tetrachloride
Concen: 24.336 ug/l m
RT: 4.19 min Scan# 371
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	101.3	30.9
Lower		75.0	26.9
Upper		112.4	40.3





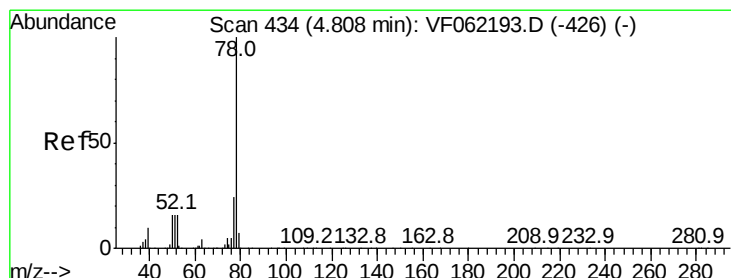
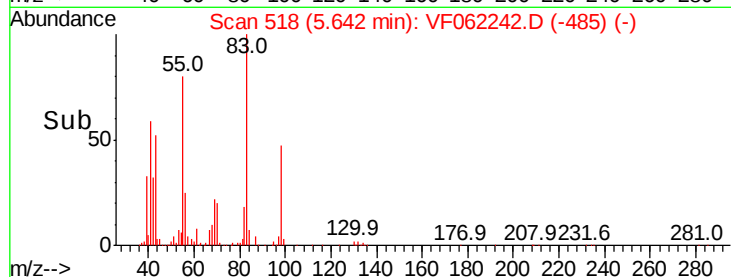
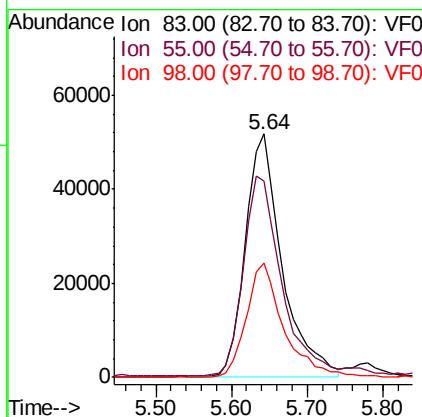
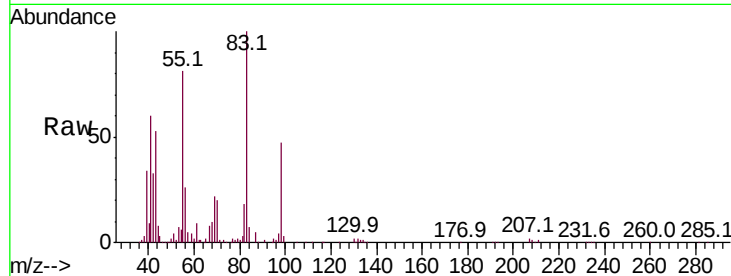
#39
Methvlcvclohexane
Concen: 20.328 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	71.0	106.6
98	47.1	36.7	55.1

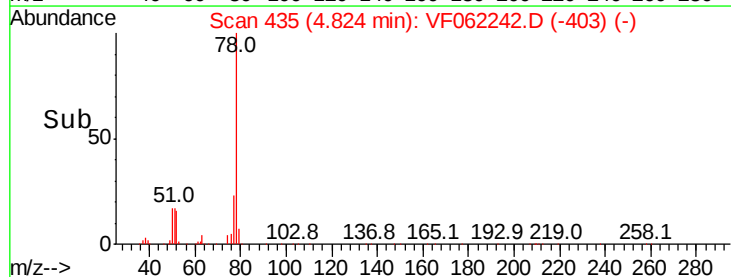
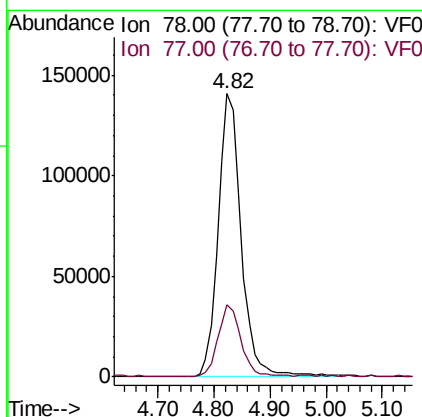
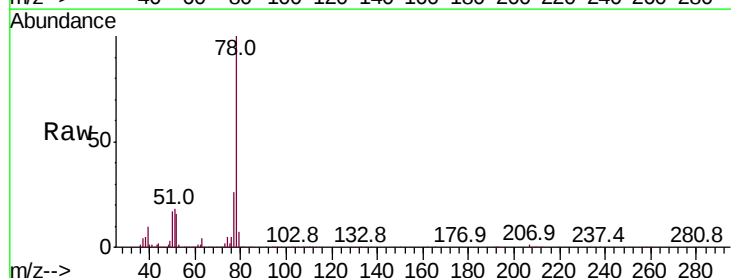
Manual Integrations
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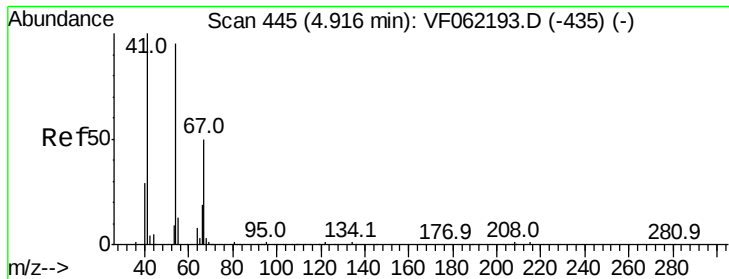
MMDadoda
4/23/2019 9:22:25 AM



#40
Benzene
Concen: 21.180 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.9	28.3





#41

Methacrylonitrile

Concen: 19.556 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

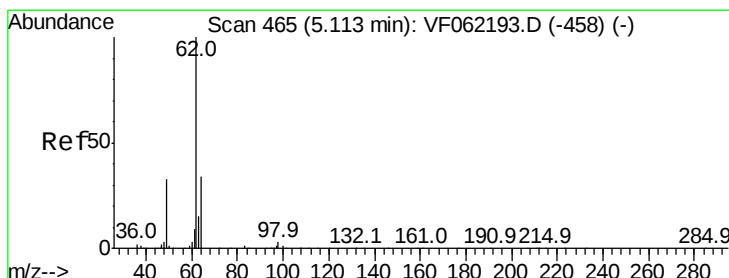
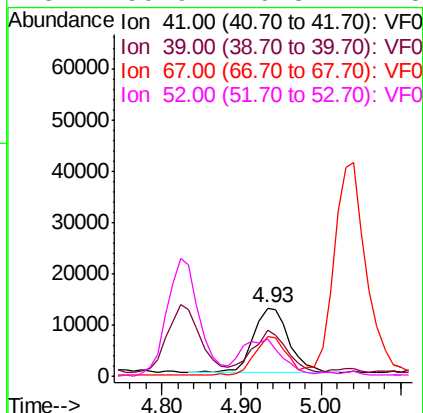
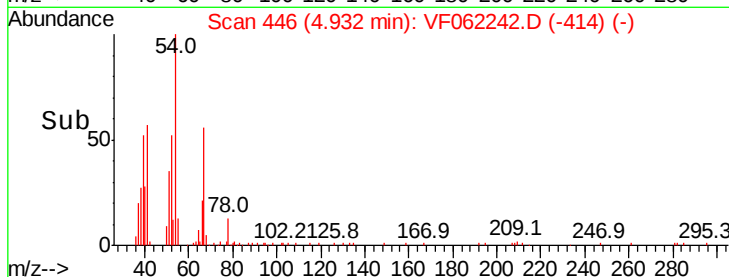
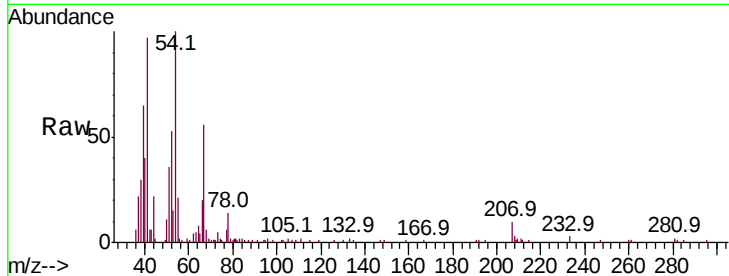
ClientSampleId :

VF0422SBS01

Manual Integrations
APPROVED

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.4	44.7	67.1
67	54.0	39.1	58.7
52	59.9	49.8	74.8



#42

1,2-Dichloroethane

Concen: 22.660 ug/l

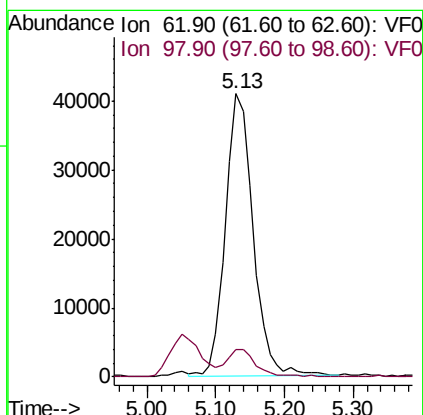
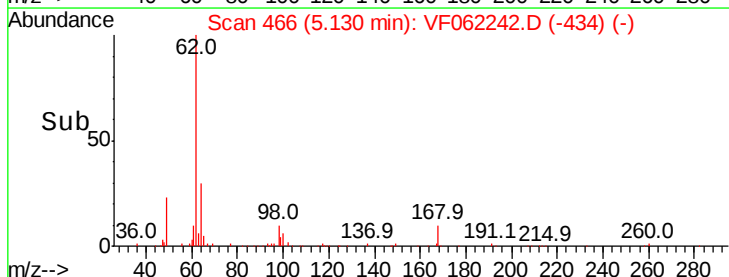
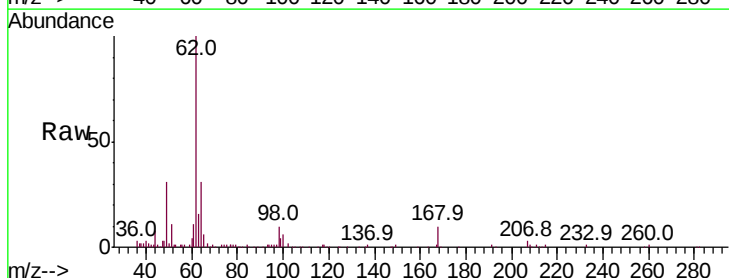
RT: 5.13 min Scan# 466

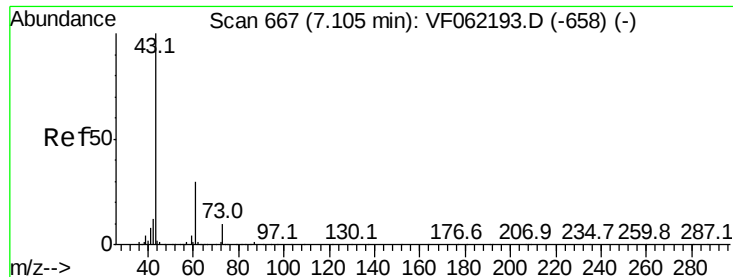
Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





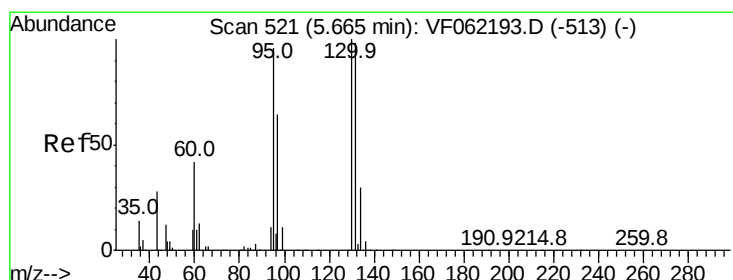
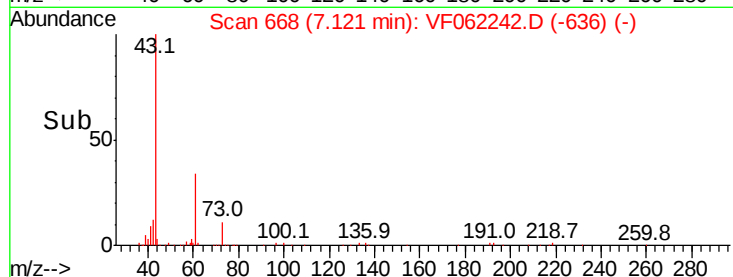
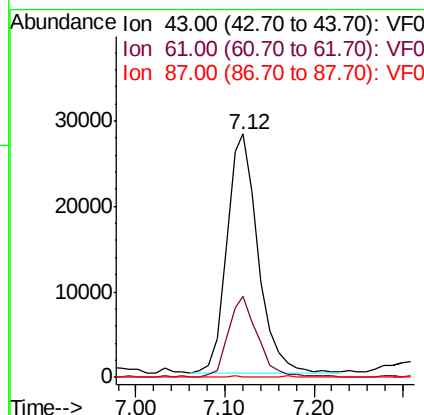
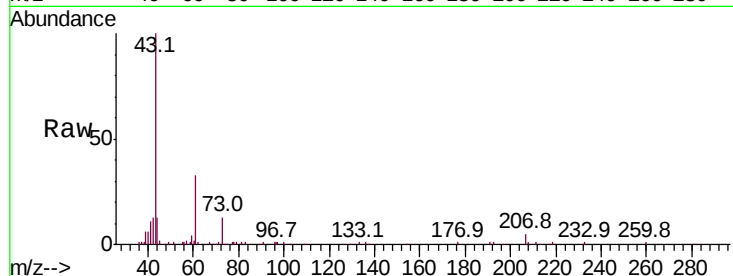
#43
Isopropyl Acetate
Concen: 19.089 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.2	24.4	36.6
87	0.2	0.4	0.6

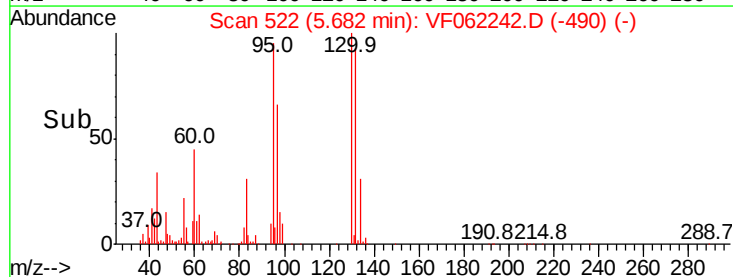
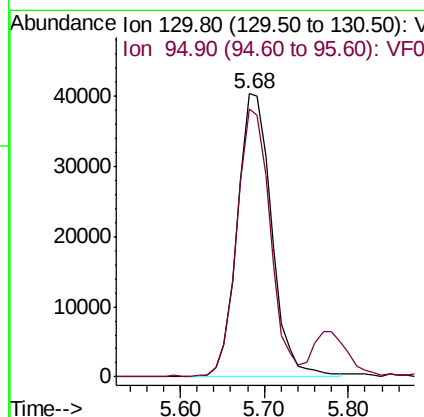
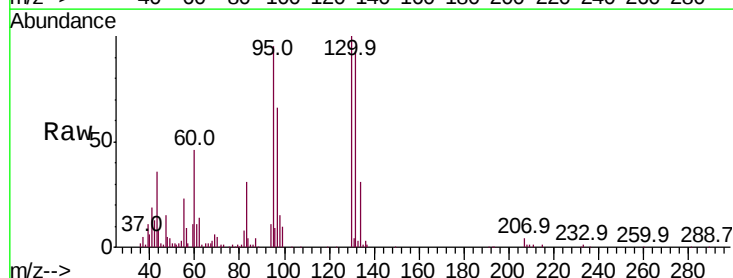
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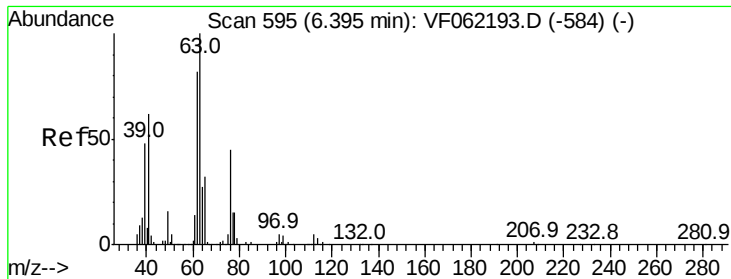
MMDadoda
4/23/2019 9:22:25 AM



#44
Trichloroethene
Concen: 22.354 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	191.4





#45

1,2-Dichloropropane

Concen: 20.136 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 63 Resp: 84335

Ion Ratio Lower Upper

63 100

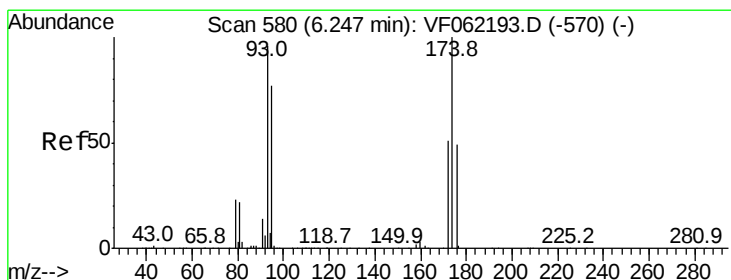
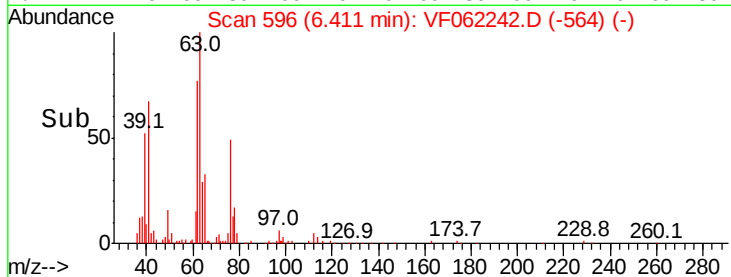
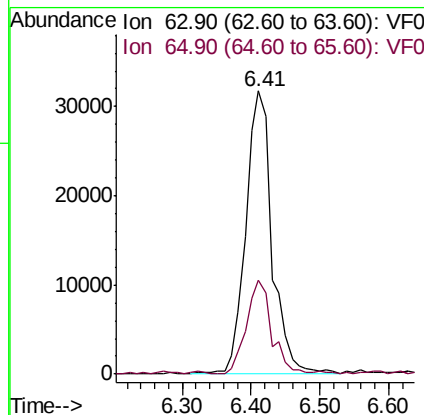
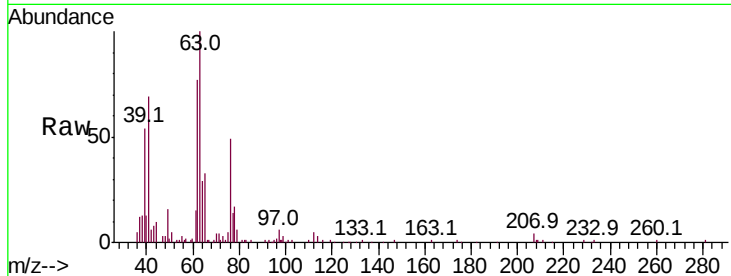
65 32.8 25.9 38.9

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#46

Dibromomethane

Concen: 21.310 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

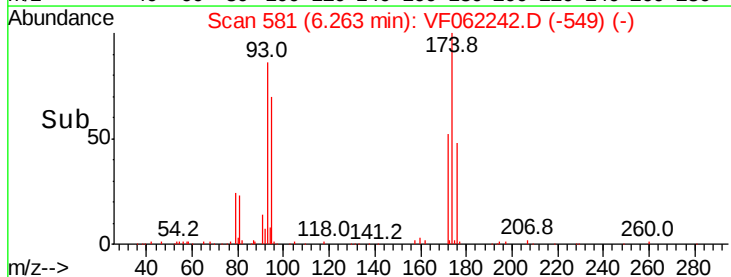
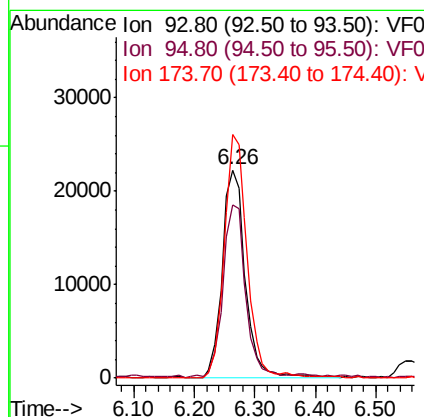
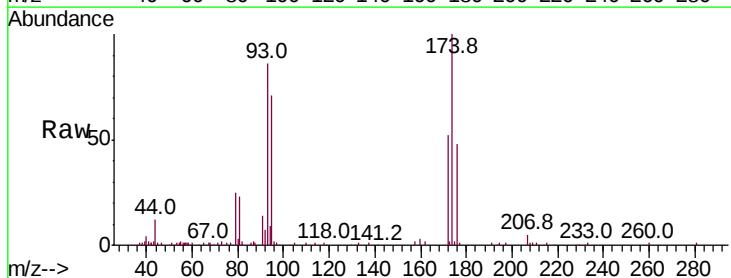
Tgt Ion: 93 Resp: 59384

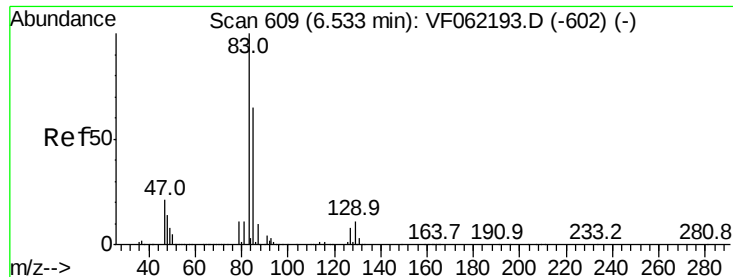
Ion Ratio Lower Upper

93 100

95 82.4 65.1 97.7

174 114.5 81.8 122.6





#47

Bromodichloromethane

Concen: 21.456 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

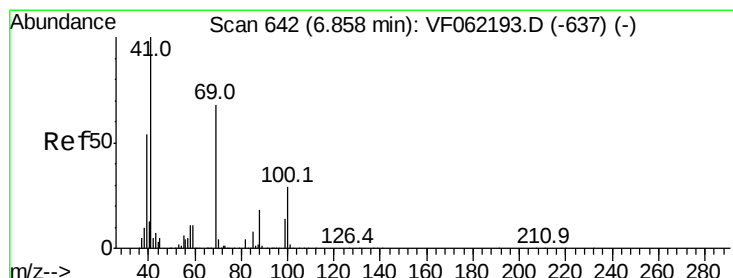
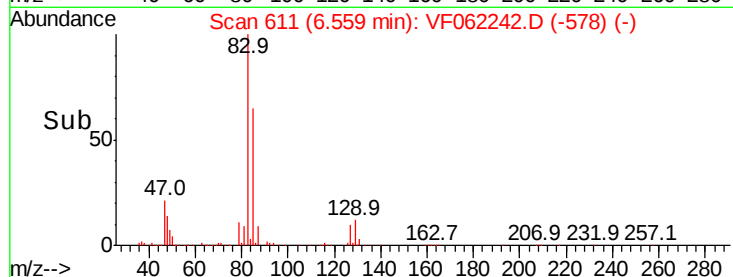
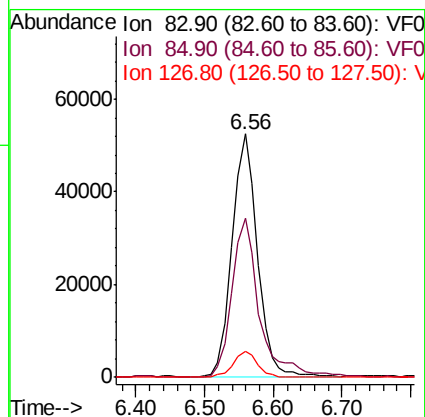
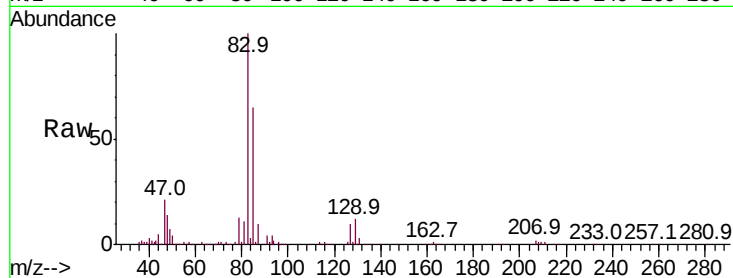
ClientSampleId :

VF0422SBS01

Tot Ion:	83	Resp:	134924
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.2	78.4
127	10.5	6.7	10.1#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.154 ug/l

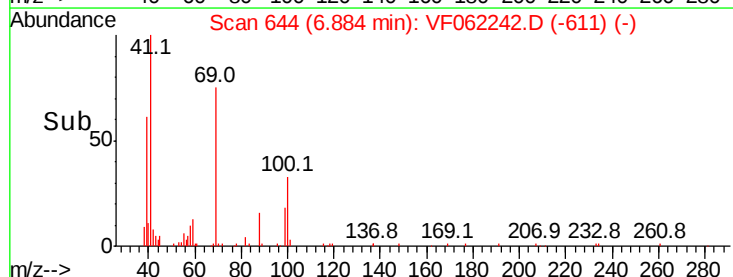
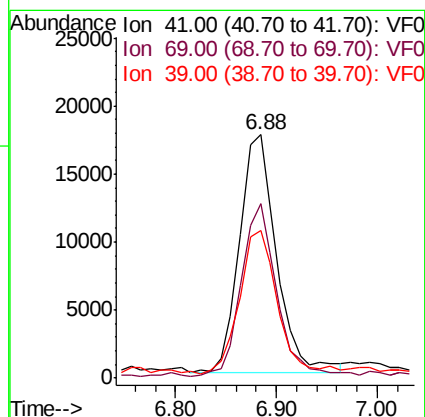
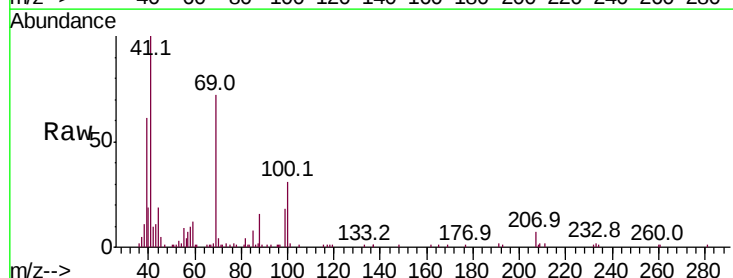
RT: 6.88 min Scan# 644

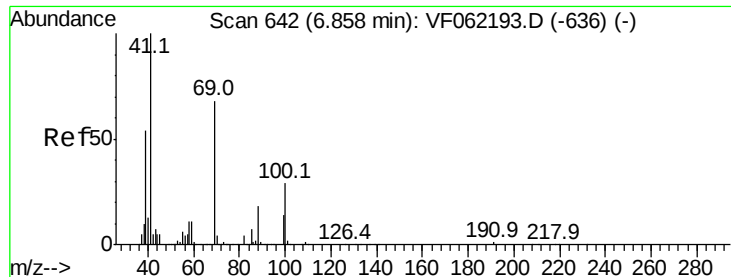
Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion:	41	Resp:	45289
Ion Ratio	Lower	Upper	
41	100		
69	68.5	54.9	82.3
39	59.7	43.6	65.4





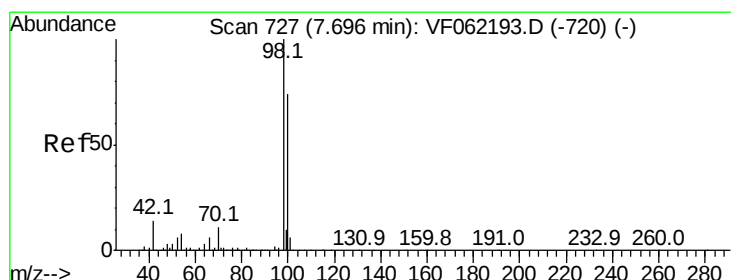
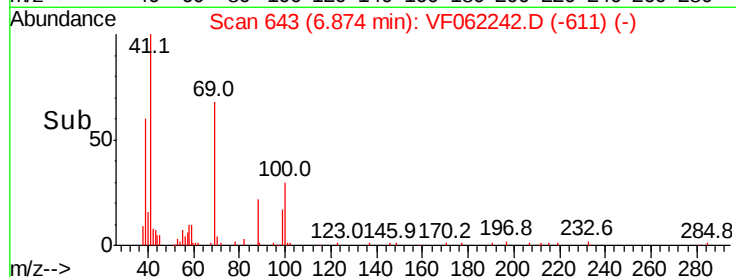
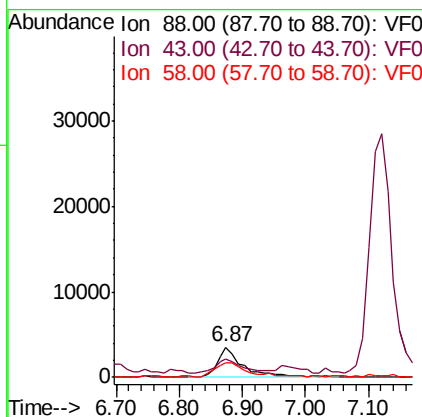
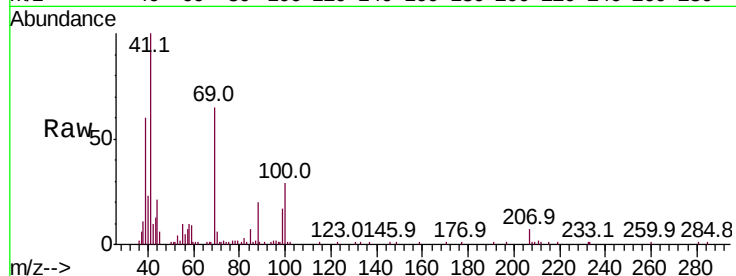
#49
1,4-Dioxane
Concen: 377.854 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.1	36.9	55.3
58	59.4	56.8	85.2

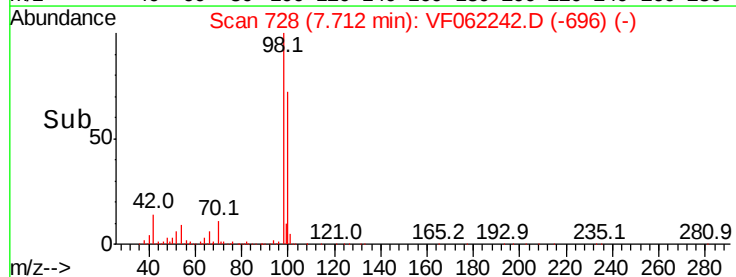
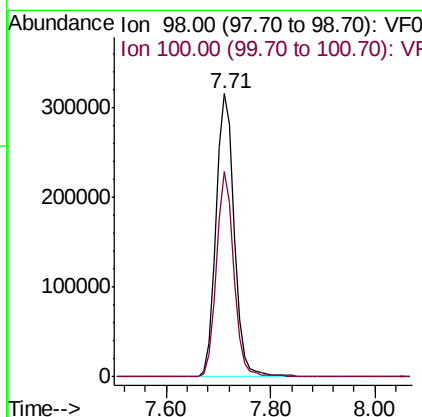
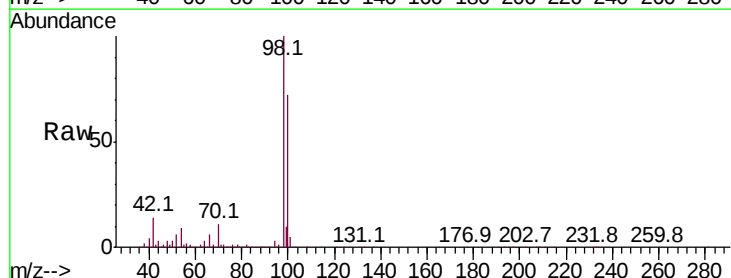
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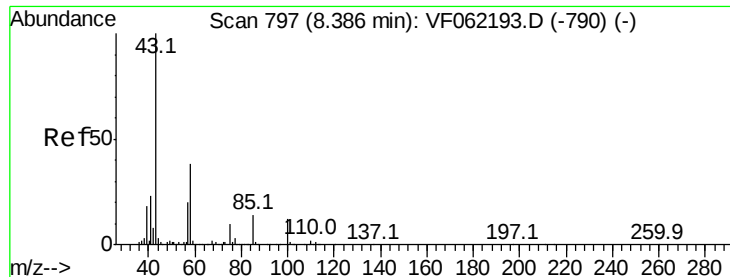
MMDadoda
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#50
Toluene-d8
Concen: 57.610 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.7	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 105.425 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 43 Resp: 282117

Ion Ratio Lower Upper

43 100

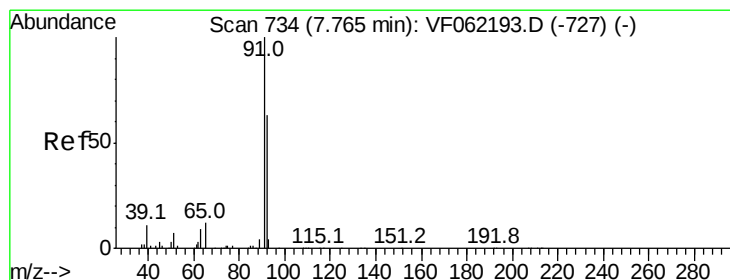
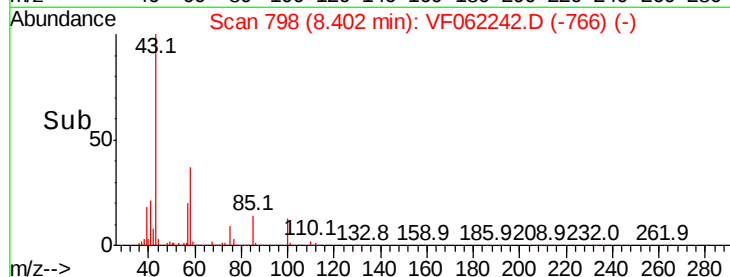
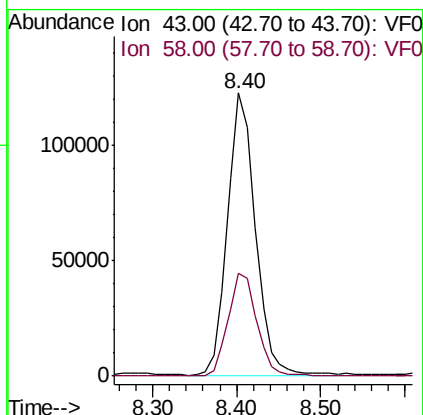
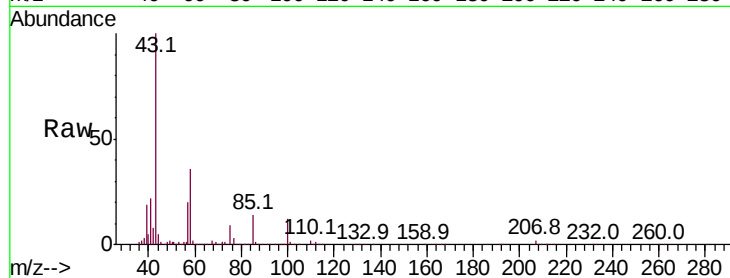
58 38.1 29.3 43.9

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#52

Toluene

Concen: 21.796 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.02 min

Lab File: VF062242.D

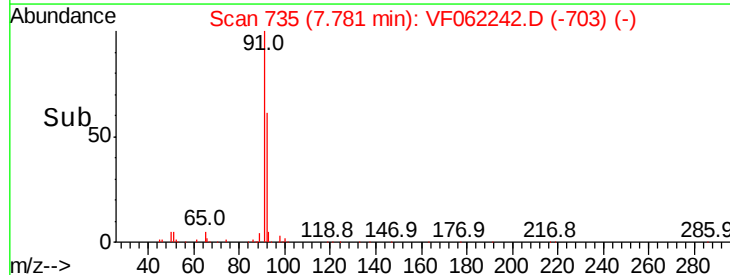
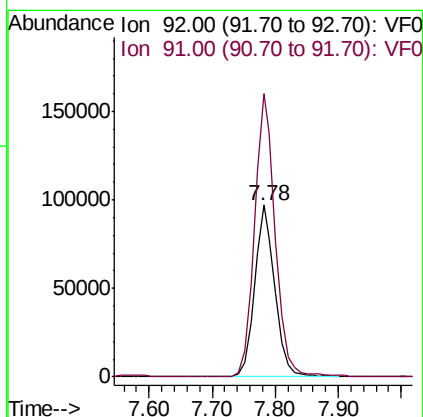
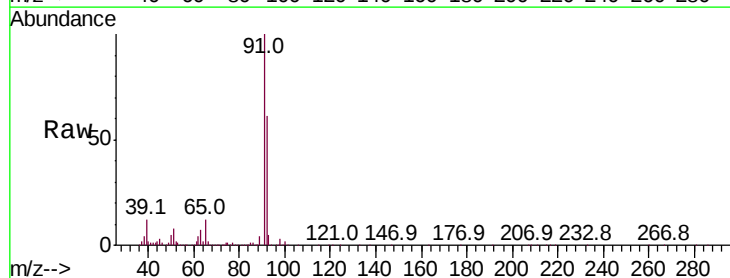
Acq: 22 Apr 2019 14:02

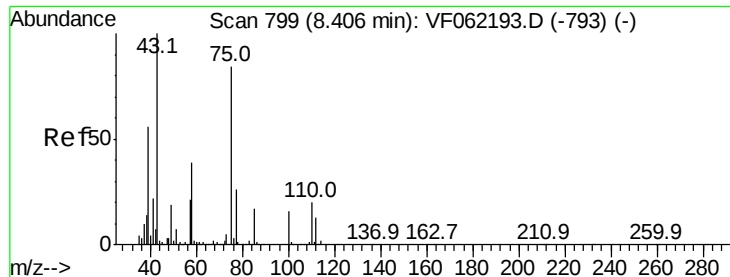
Tgt Ion: 92 Resp: 218462

Ion Ratio Lower Upper

92 100

91 168.5 130.1 195.1





#53

t-1,3-Dichloropropene

Concen: 24.694 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 75 Resp: 116635

Ion Ratio Lower Upper

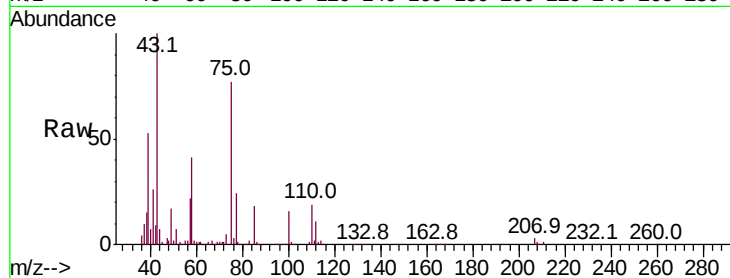
75 100

77 31.0 24.6 36.8

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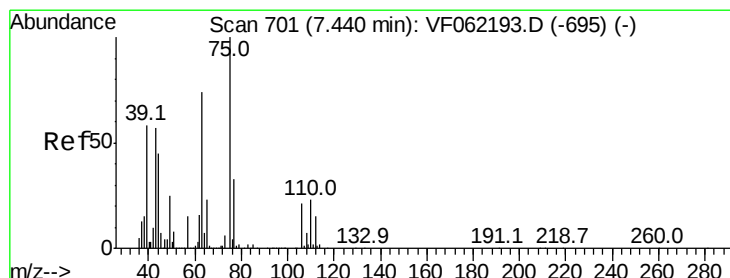
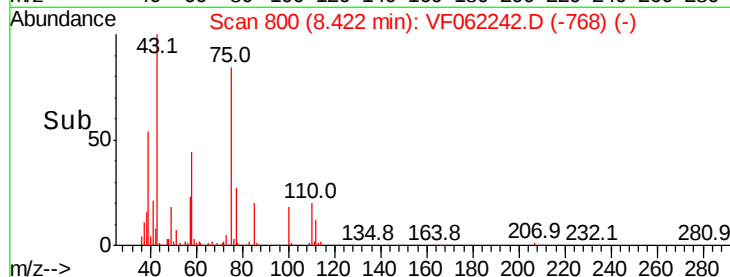
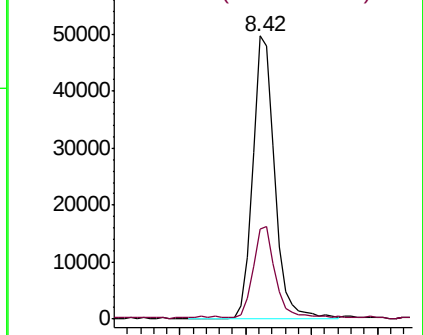
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Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#54

cis-1,3-Dichloropropene

Concen: 23.322 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

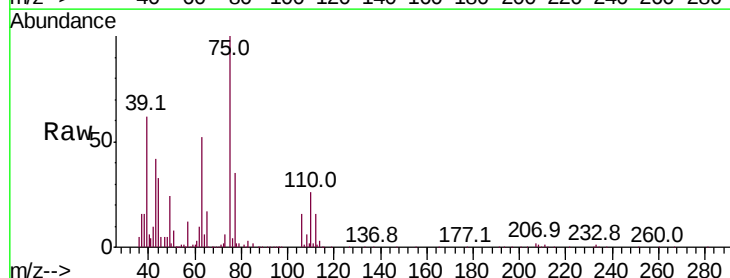
Tgt Ion: 75 Resp: 149000

Ion Ratio Lower Upper

75 100

77 34.5 26.4 39.6

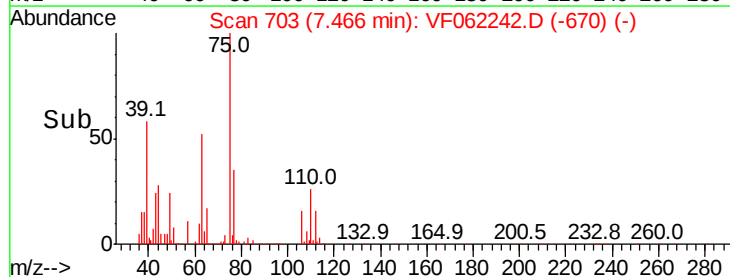
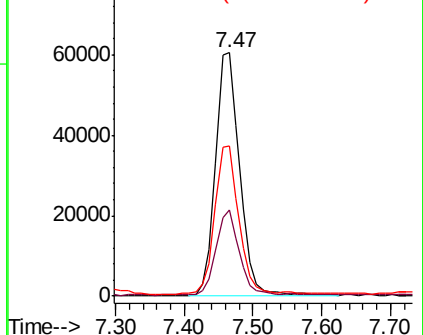
39 60.5 46.7 70.1

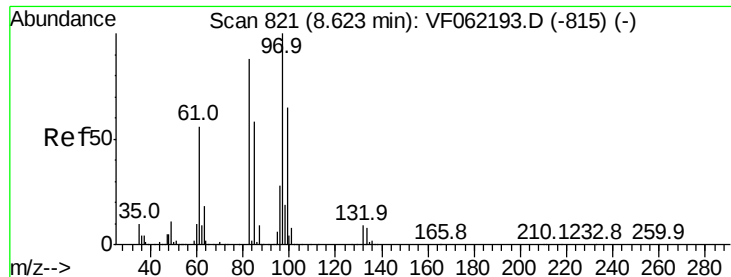


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 24.725 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

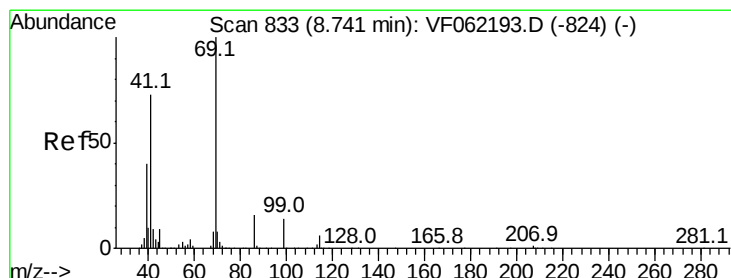
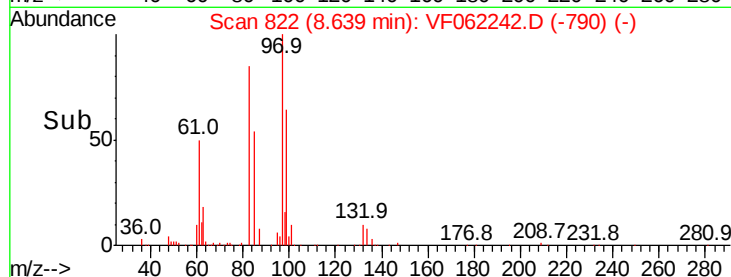
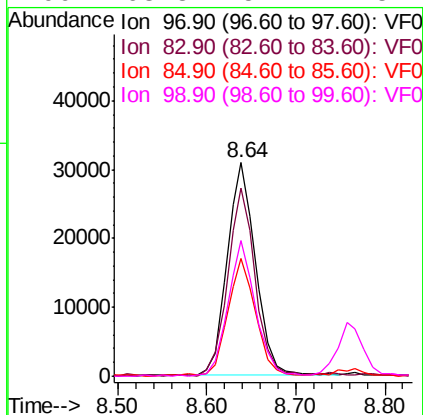
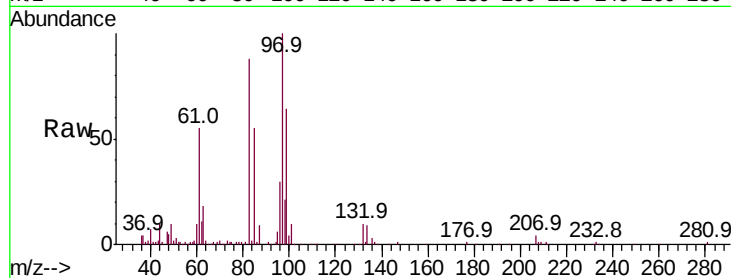
ClientSampleId :

VF0422SBS01

Tot Ion:	97	Resp:	69425
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.2	105.2
85	54.3	46.2	69.4
99	63.8	52.2	78.4

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#56

Ethyl methacrylate

Concen: 21.366 ug/l

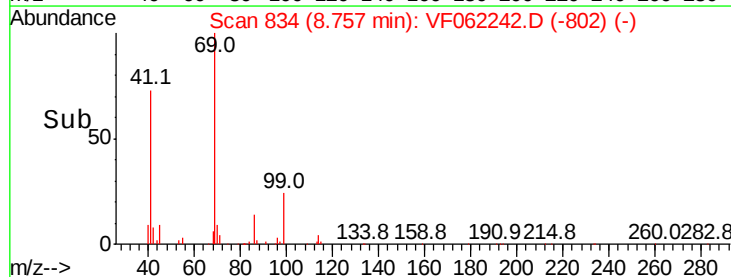
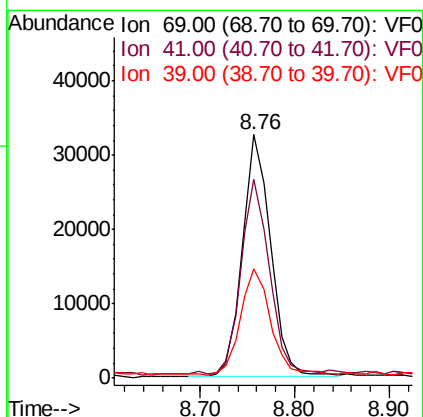
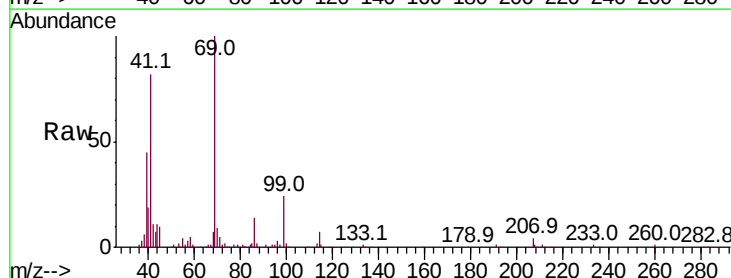
RT: 8.76 min Scan# 834

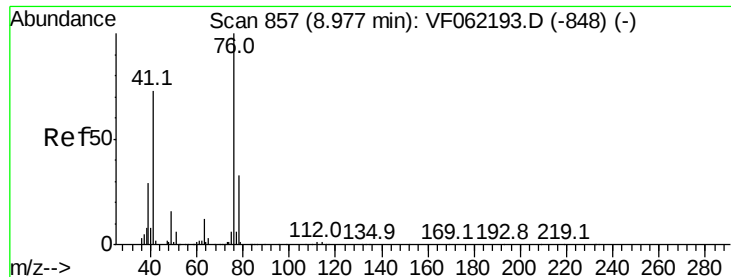
Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion:	69	Resp:	68207
Ion	Ratio	Lower	Upper
69	100		
41	80.5	61.5	92.3
39	47.8	33.3	49.9





#57

1,3-Dichloropropane

Concen: 21.948 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 76 Resp: 99512

Ion Ratio Lower Upper

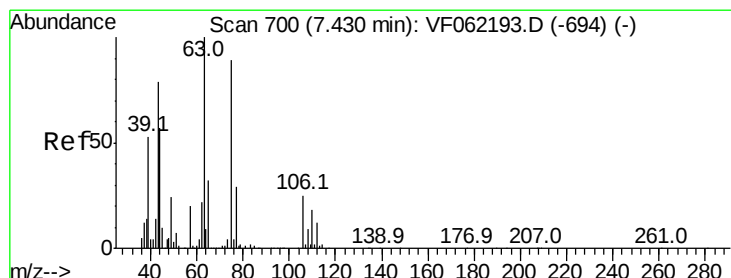
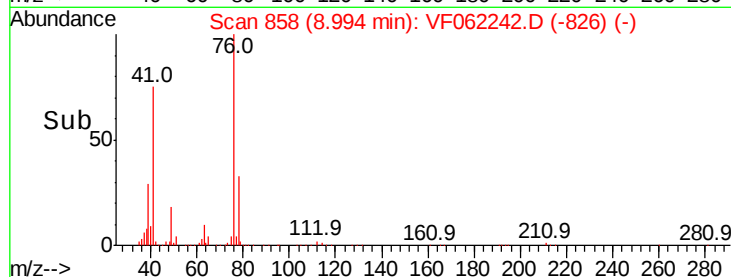
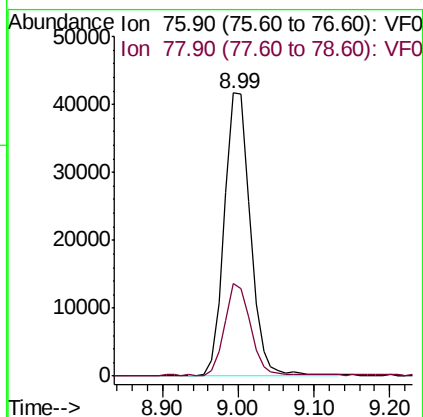
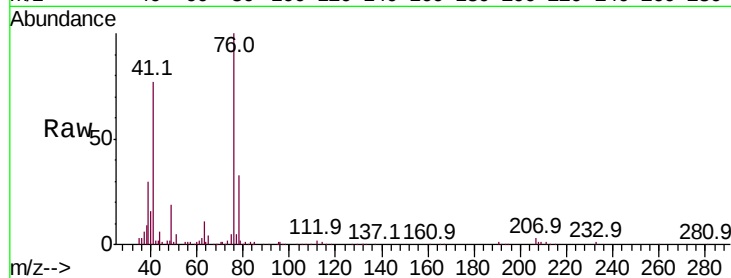
76 100

78 32.7 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 110.077 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.03 min

Lab File: VF062242.D

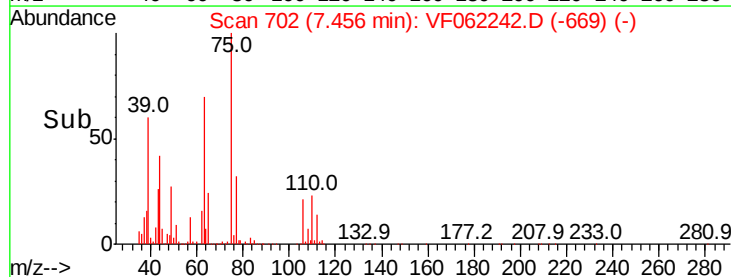
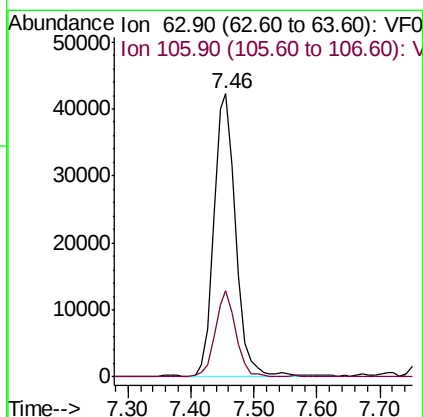
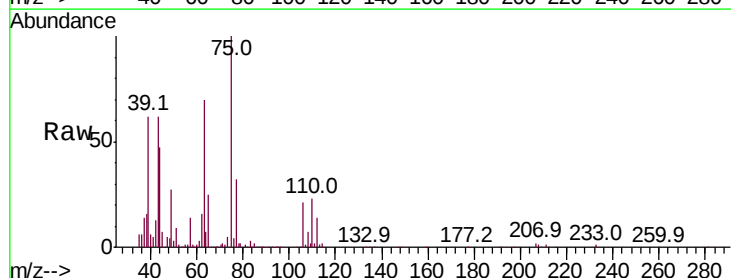
Acq: 22 Apr 2019 14:02

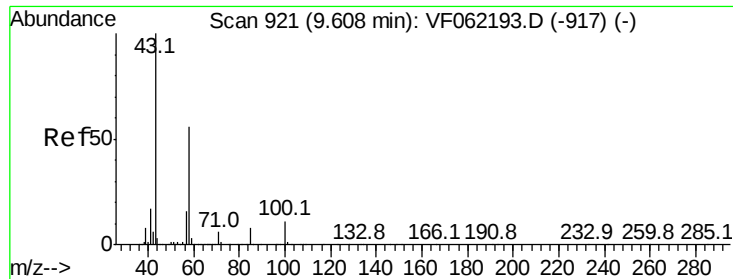
Tgt Ion: 63 Resp: 102025

Ion Ratio Lower Upper

63 100

106 29.1 21.4 32.0





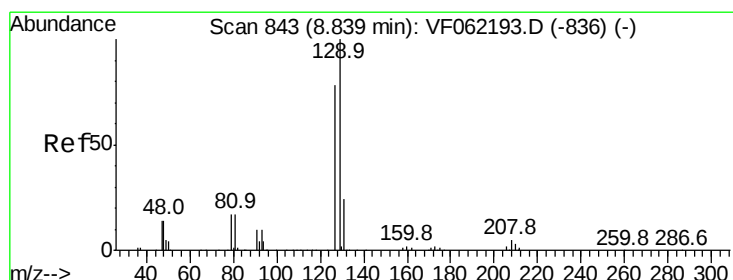
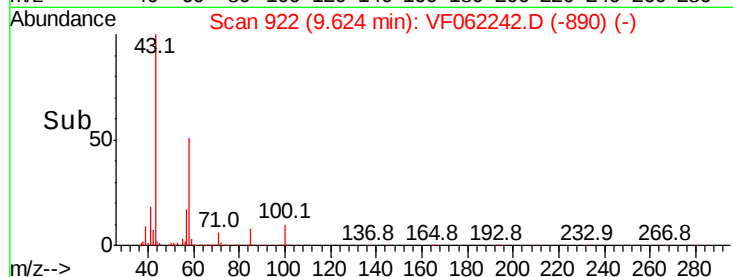
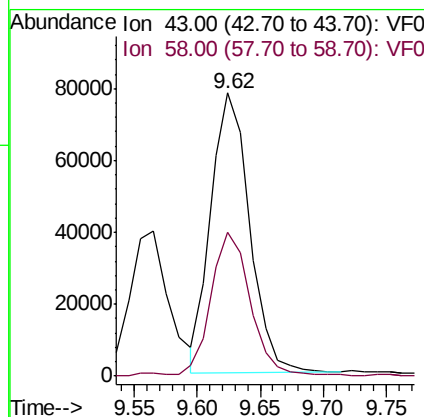
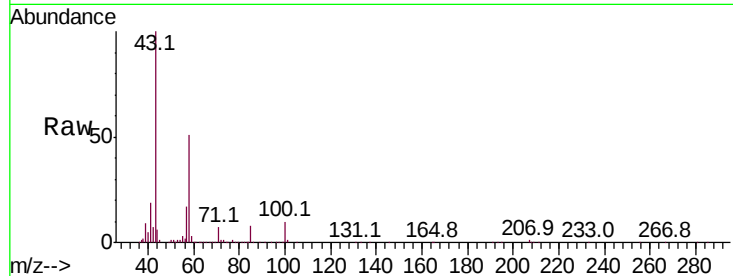
#59
2-Hexanone
Concen: 99.226 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion: 43 Resp: 165445
Ion Ratio Lower Upper
43 100
58 54.1 24.6 74.0

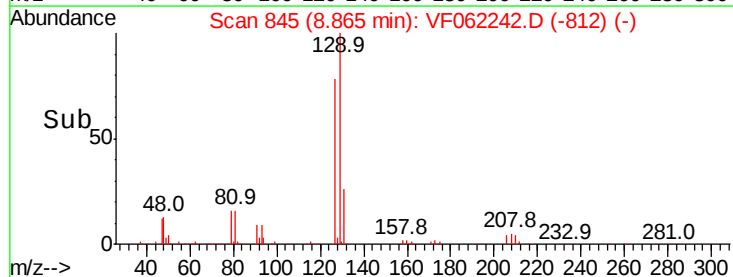
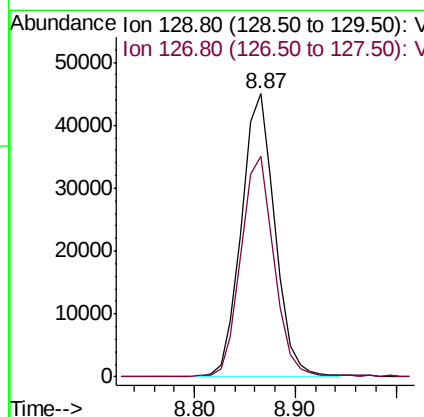
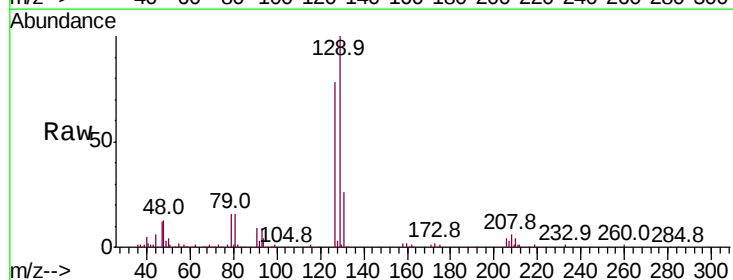
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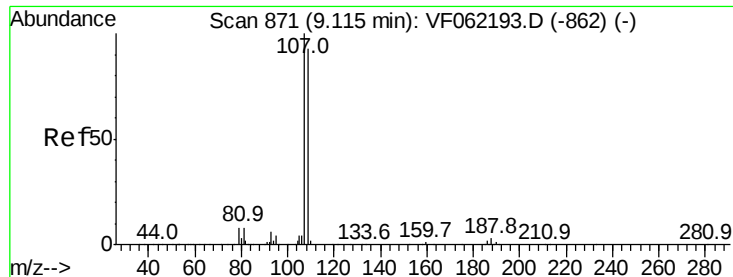
MMDadoda
4/23/2019 9:22:25 AM



#60
Dibromochloromethane
Concen: 24.938 ug/l
RT: 8.87 min Scan# 845
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 129 Resp: 104135
Ion Ratio Lower Upper
129 100
127 77.8 39.0 117.0





#61

1,2-Dibromoethane

Concen: 23.470 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion:107 Resp: 74244

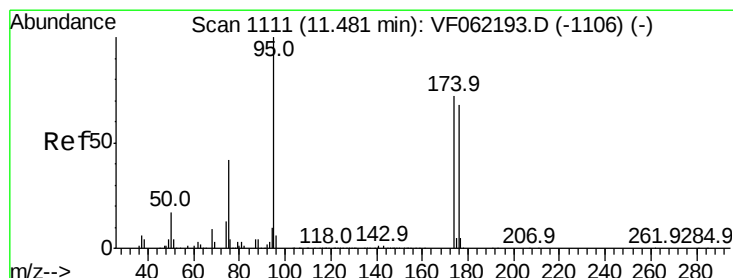
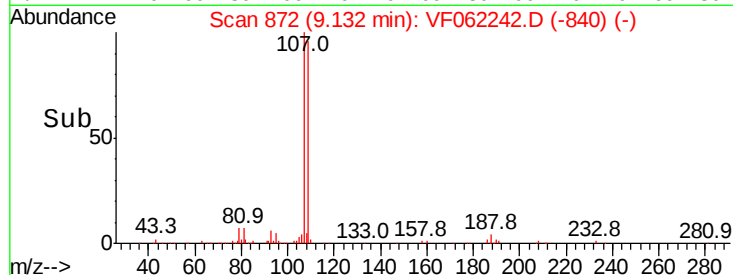
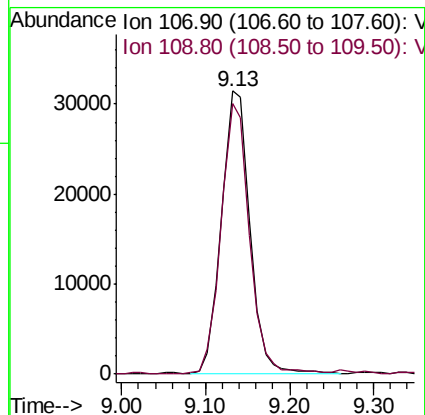
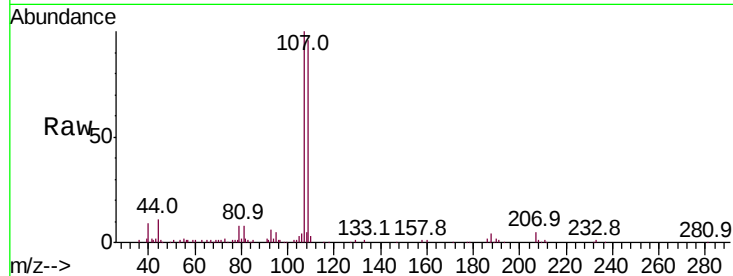
Ion Ratio Lower Upper

107 100

109 95.8 74.3 111.5

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#62

4-Bromofluorobenzene

Concen: 58.268 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

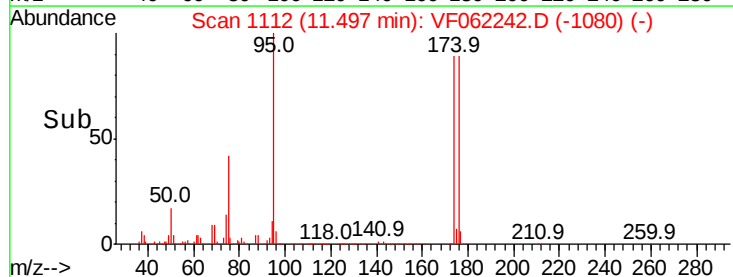
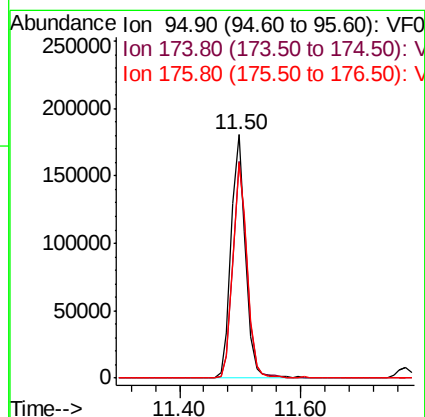
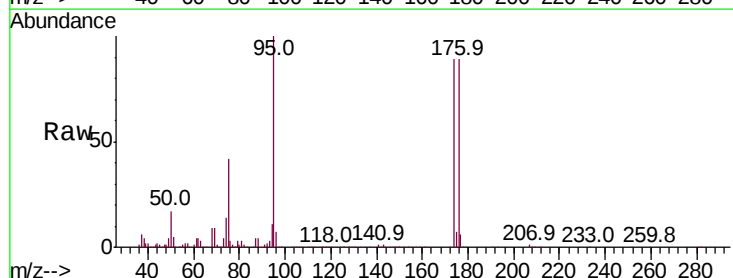
Tgt Ion: 95 Resp: 300103

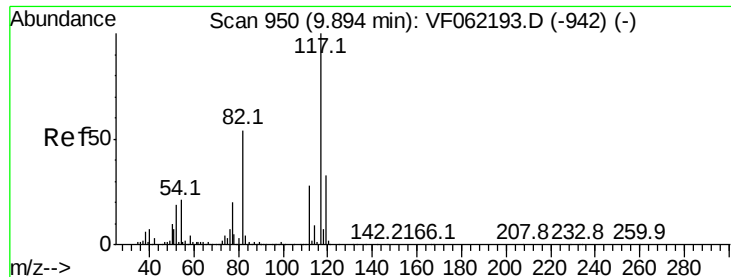
Ion Ratio Lower Upper

95 100

174 87.5 0.0 159.4

176 87.7 0.0 155.4





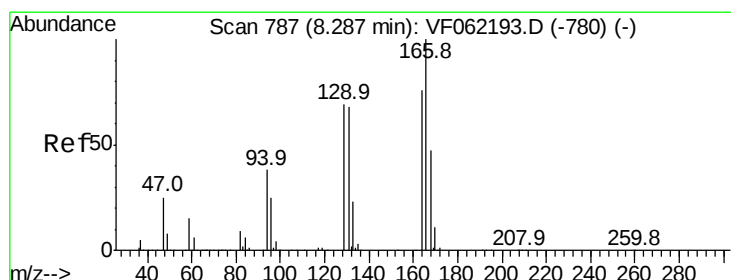
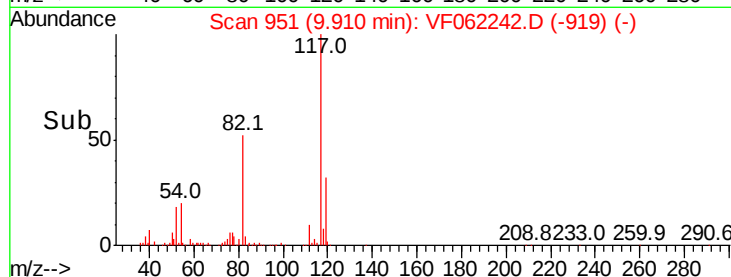
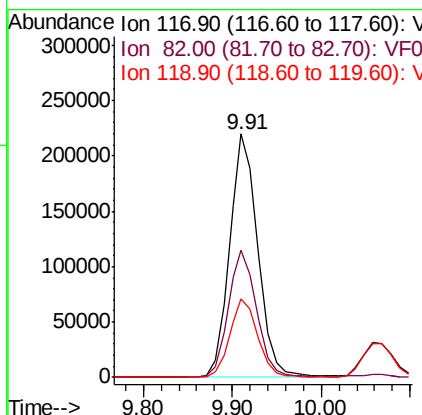
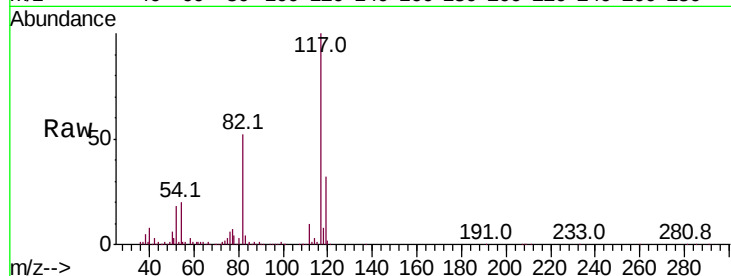
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	487737		
82	52.2		43.2	64.8
119	32.4		26.2	39.4

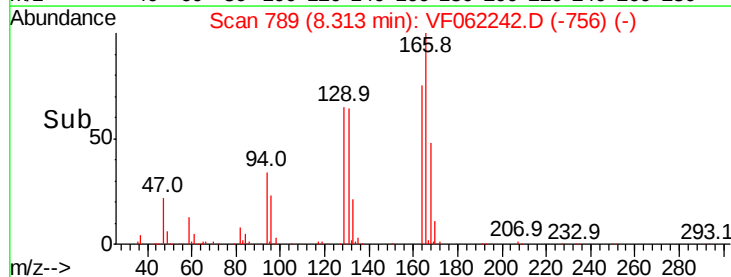
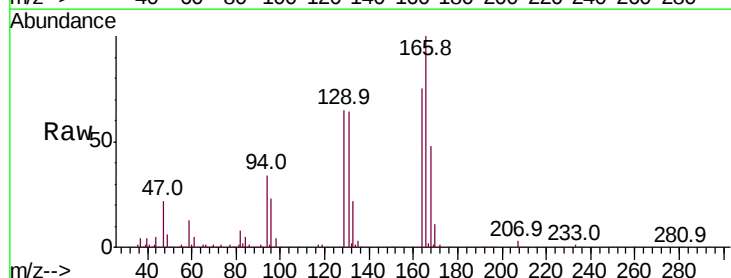
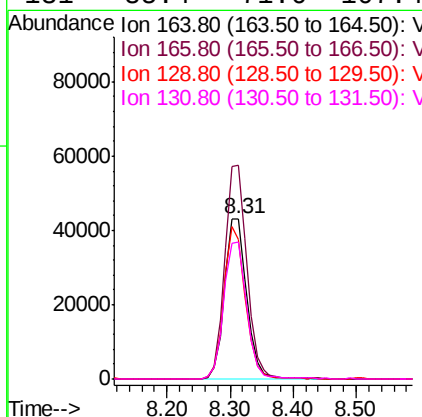
Manual Integrations
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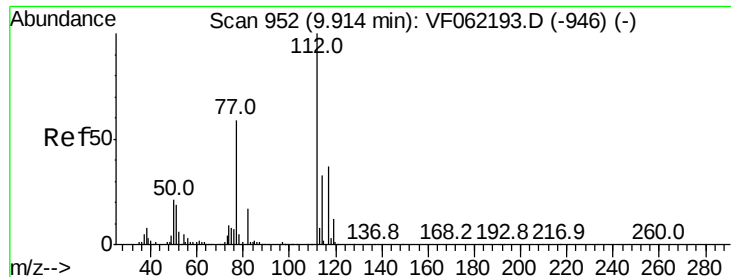
MMDadoda
4/23/2019 9:22:25 AM



#64
Tetrachloroethene
Concen: 23.950 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.03 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	105448		
166	133.3		104.7	157.1
129	87.1		72.6	109.0
131	85.4		71.6	107.4





#65

Chlorobenzene

Concen: 22.470 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion:112 Resp: 233689

Ion Ratio Lower Upper

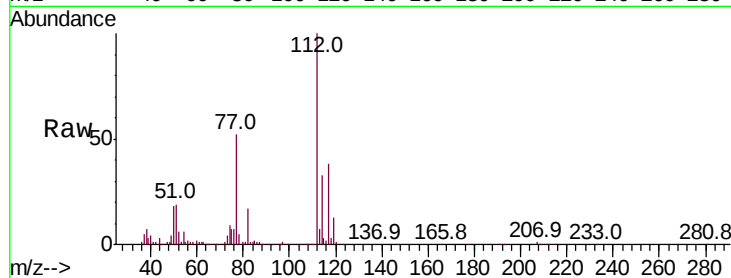
112 100

114 32.7 26.1 39.1

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.94

120000

100000

80000

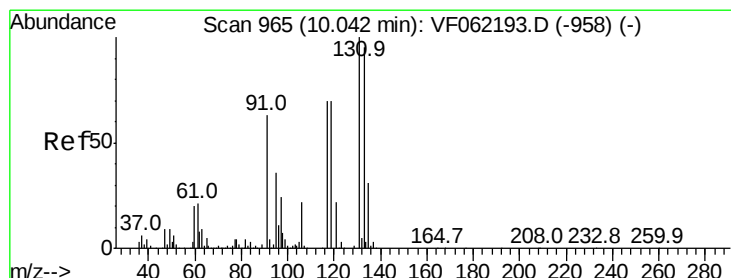
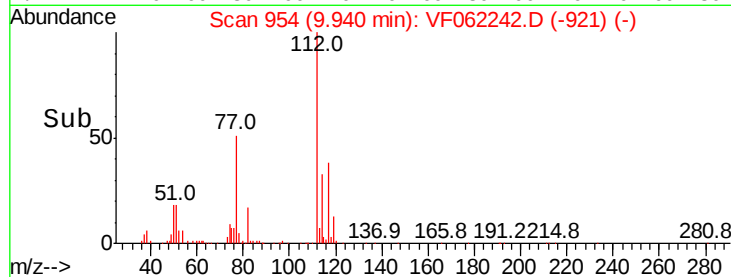
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.936 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.03 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

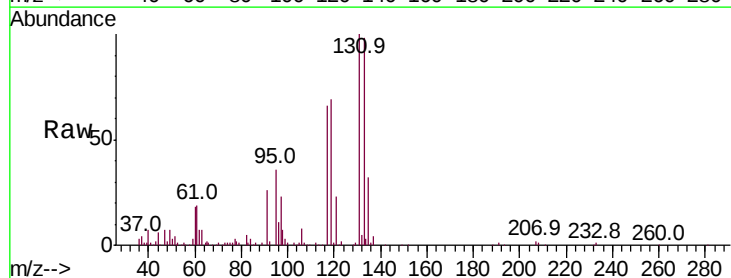
Tgt Ion:131 Resp: 106834

Ion Ratio Lower Upper

131 100

133 97.1 47.7 143.1

119 69.1 34.6 103.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

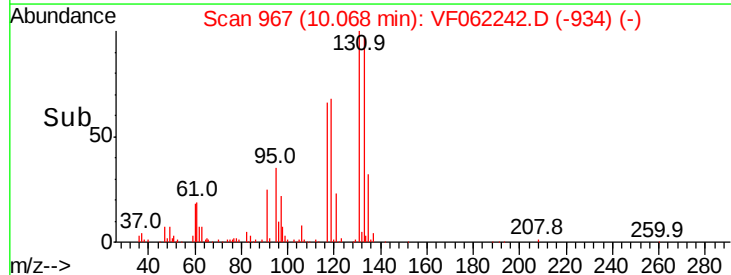
60000

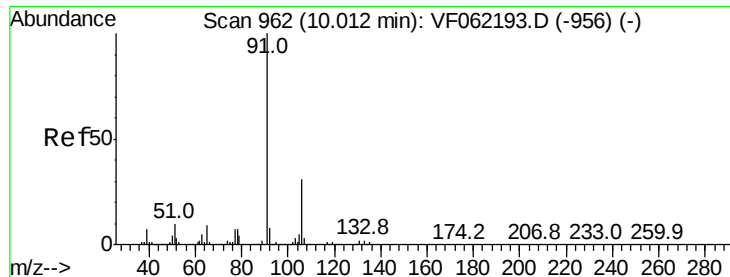
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 22.006 ug/l

RT: 10.03 min Scan# 963

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion: 91 Resp: 416160

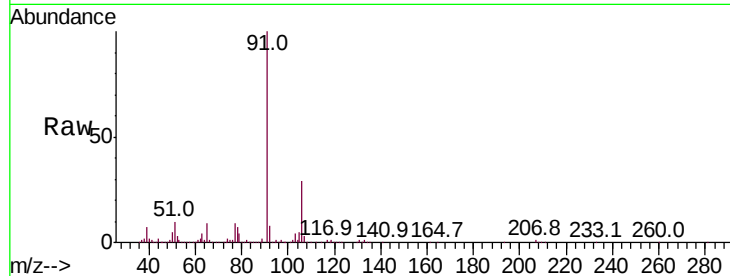
Ion Ratio Lower Upper

91 100

106 29.5 24.9 37.3

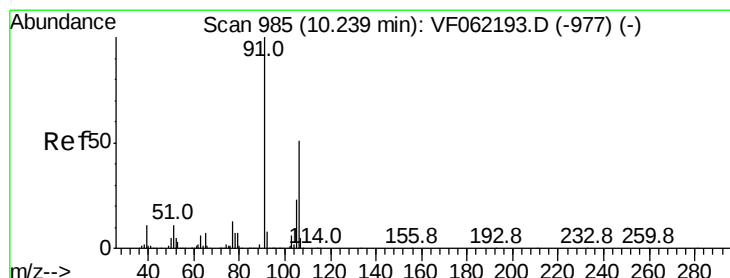
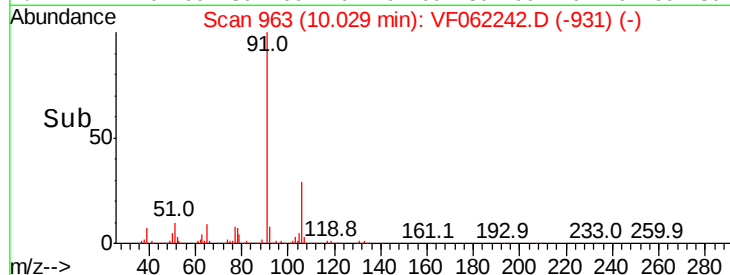
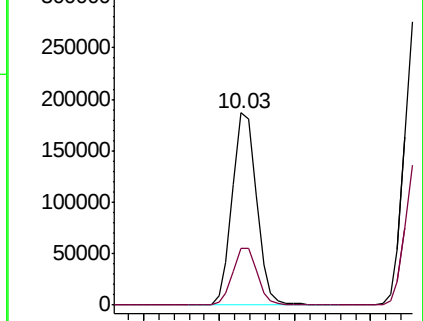
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.552 ug/l

RT: 10.27 min Scan# 987

Delta R.T. 0.03 min

Lab File: VF062242.D

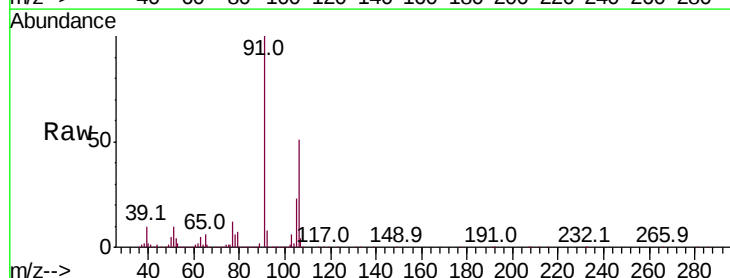
Acq: 22 Apr 2019 14:02

Tgt Ion: 106 Resp: 310153

Ion Ratio Lower Upper

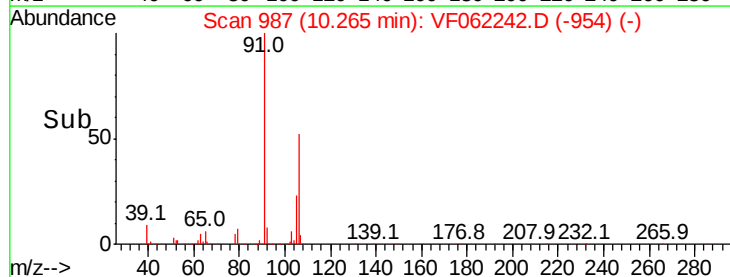
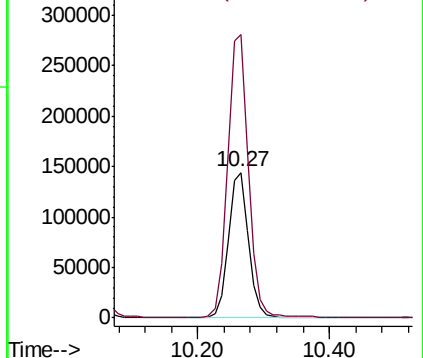
106 100

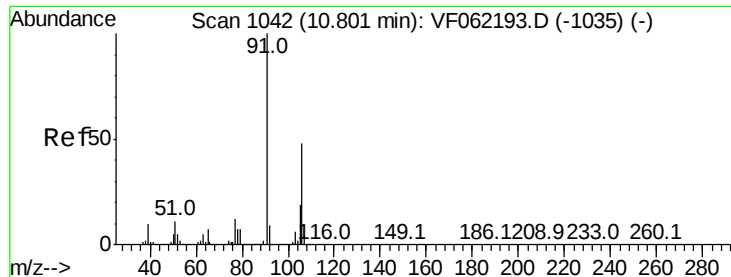
91 199.7 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





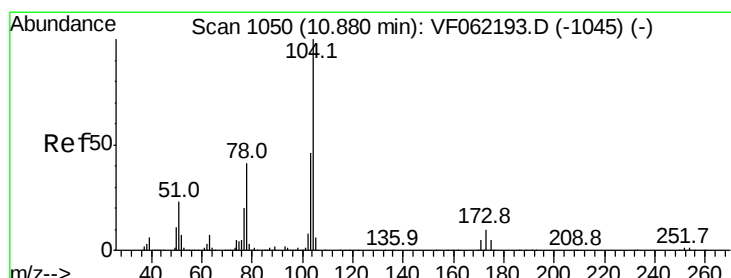
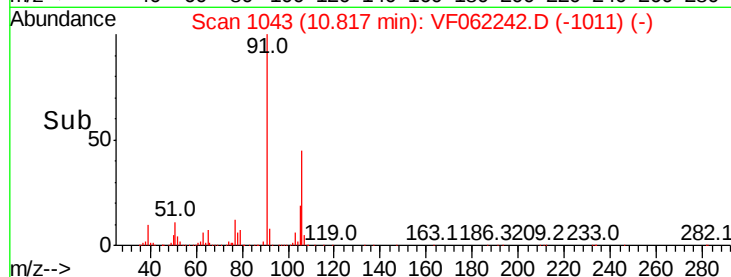
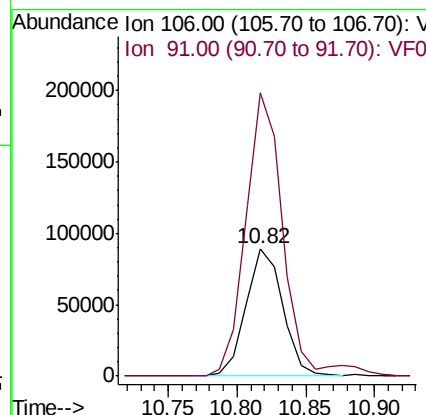
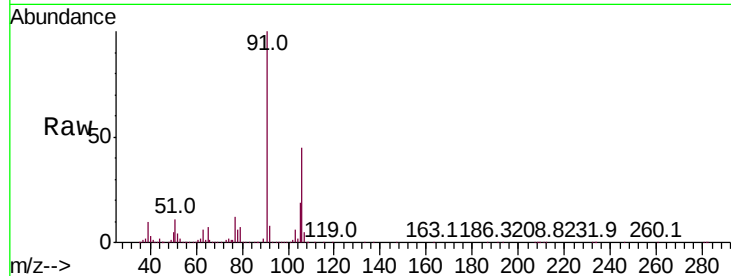
#69
o-Xylene
Concen: 21.657 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.8	107.5	322.4

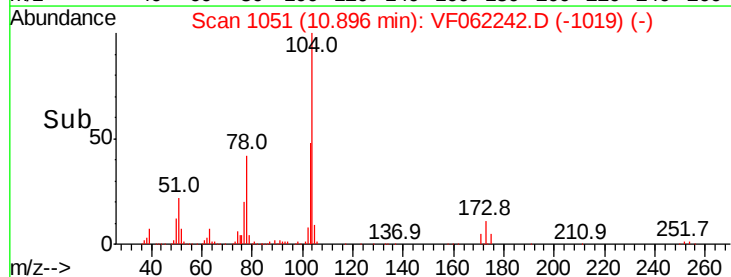
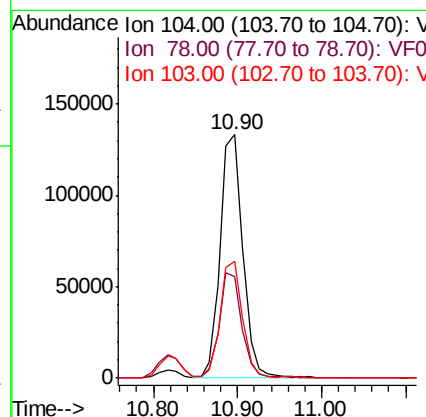
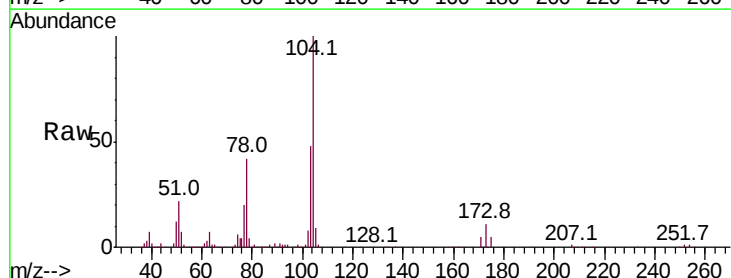
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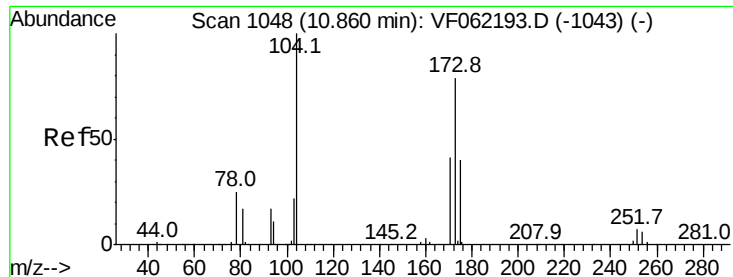
MMDadoda
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#70
Styrene
Concen: 22.921 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.2	34.5	51.7
103	47.1	37.2	55.8





#71

Bromoform

Concen: 23.545 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

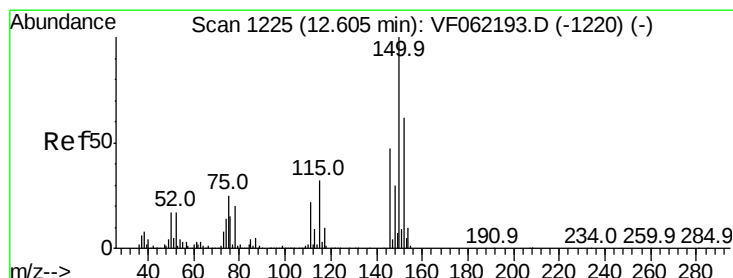
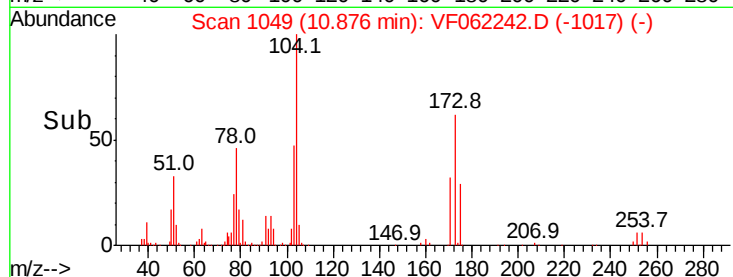
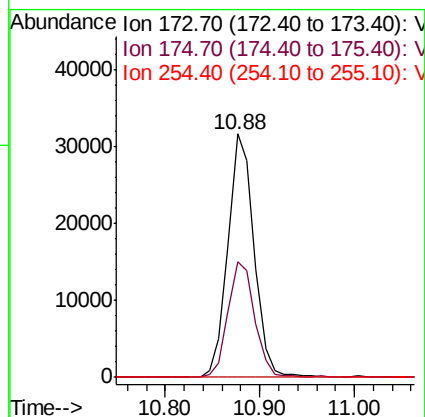
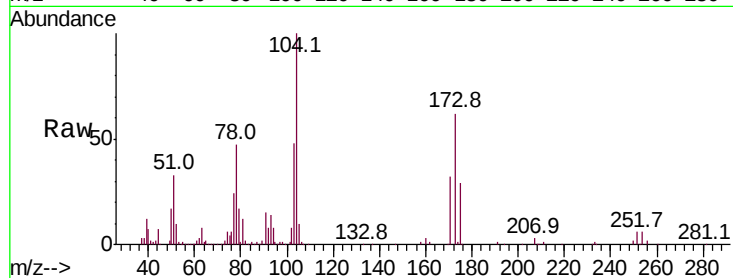
ClientSampleId :

VF0422SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.5	73.5
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

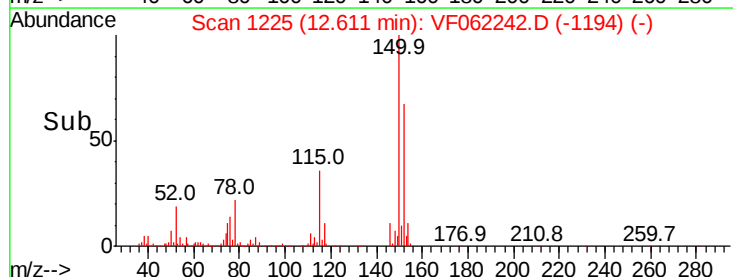
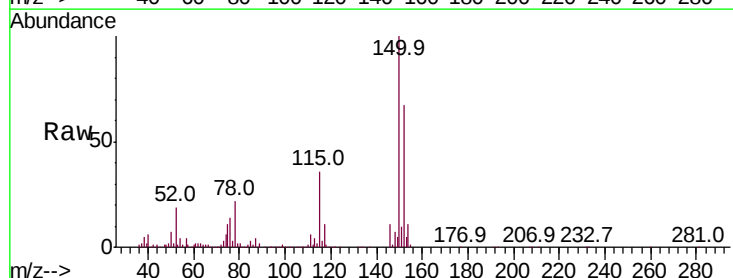
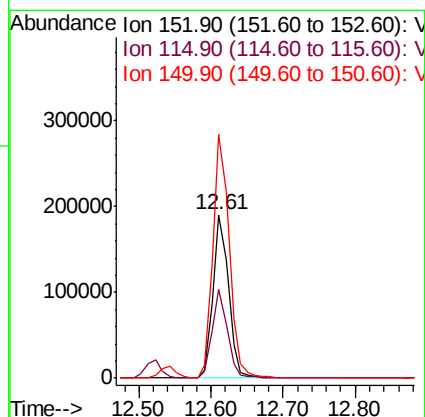
RT: 12.61 min Scan# 1225

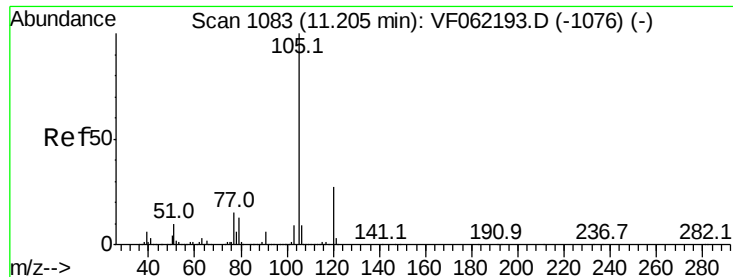
Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	27.8	83.3
150	155.9	0.0	341.8





#73

Isopropylbenzene

Concen: 20.543 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion:105 Resp: 503678

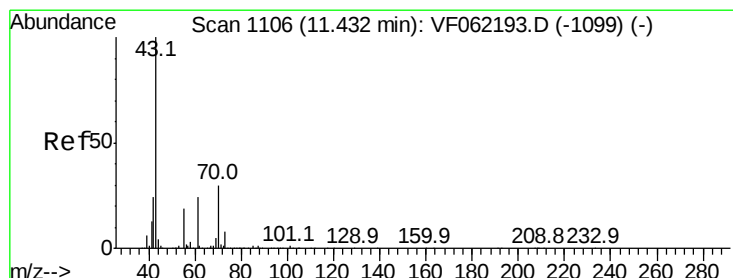
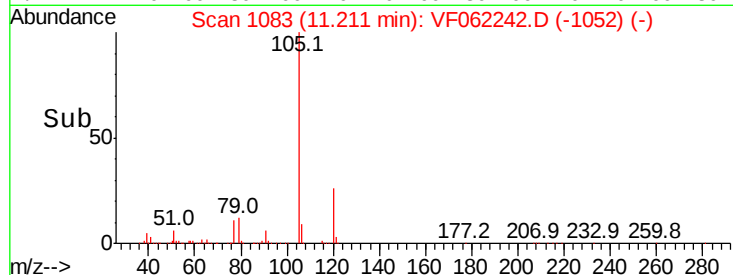
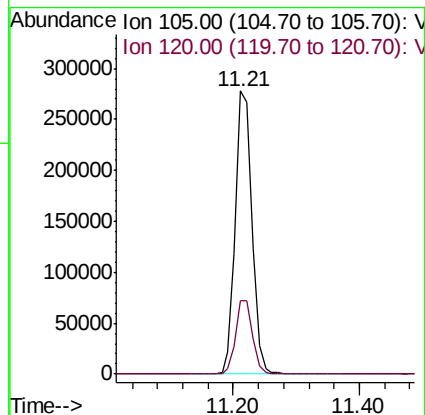
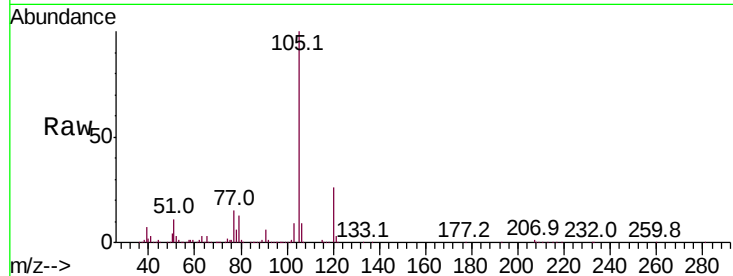
Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9

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#74

N-ethyl acetate

Concen: 17.007 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion: 43 Resp: 107364

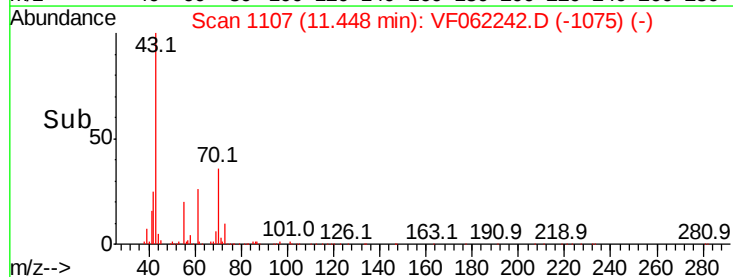
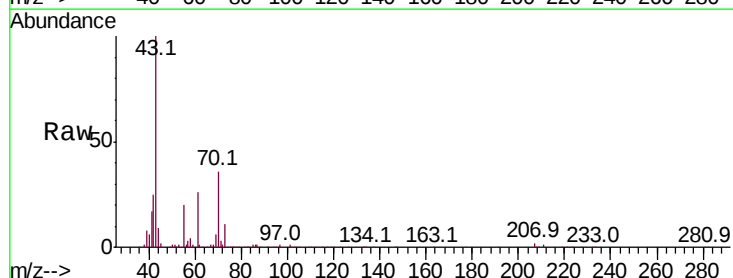
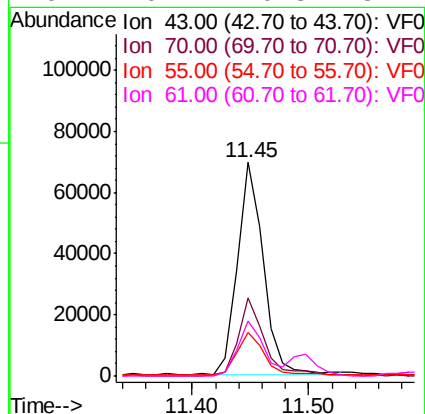
Ion Ratio Lower Upper

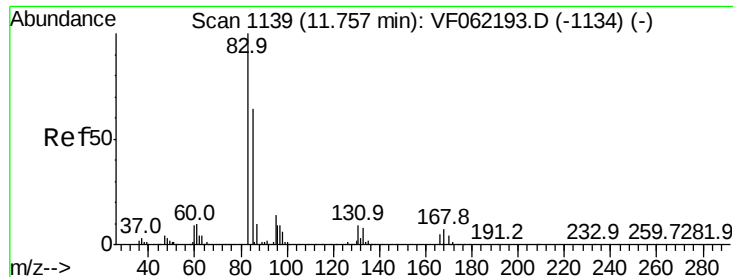
43 100

70 38.1 27.0 40.4

55 21.9 15.7 23.5

61 26.2 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.652 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

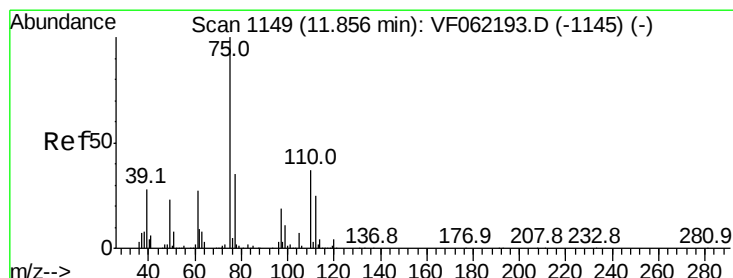
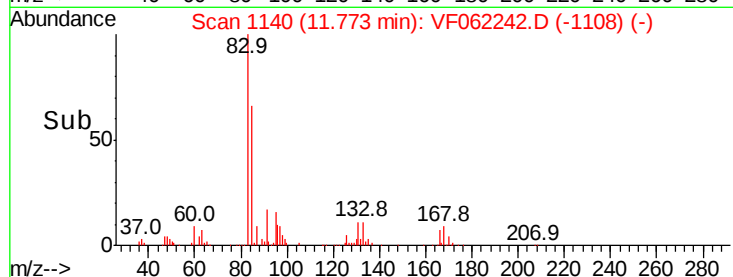
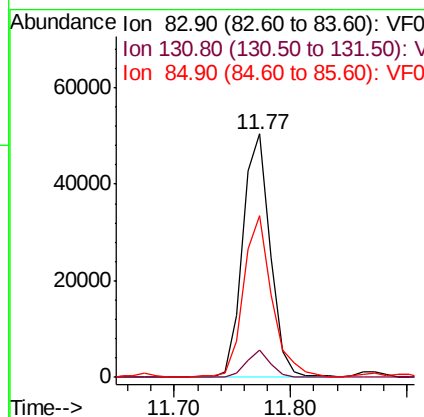
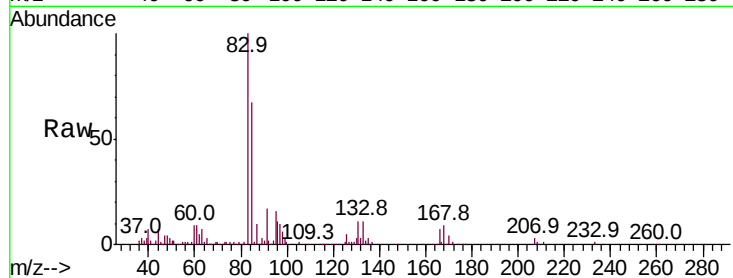
ClientSampleId :

VF0422SBS01

Tot Ion:	83	Resp:	82863
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.5	13.5
85	69.1	34.7	104.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.349 ug/l m

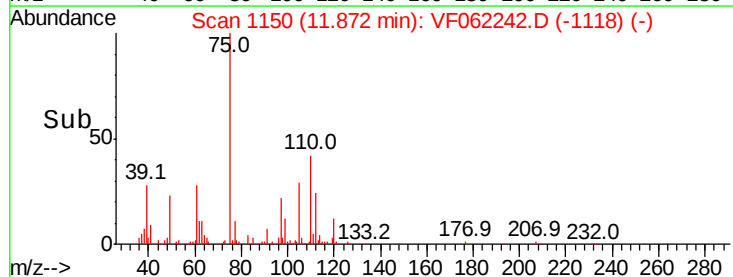
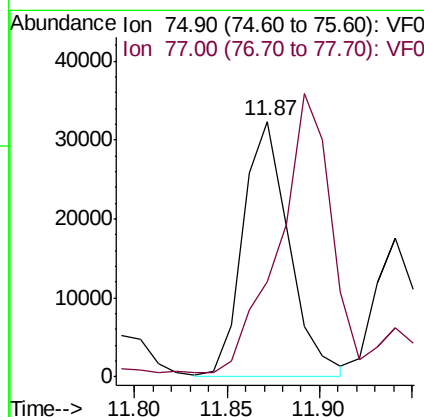
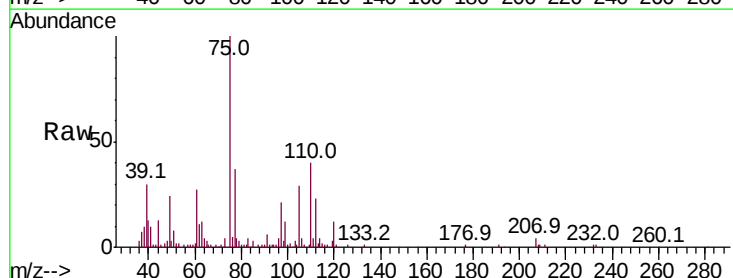
RT: 11.87 min Scan# 1150

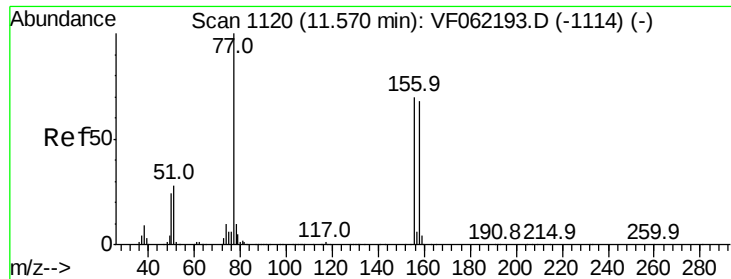
Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion:	75	Resp:	56130
Ion Ratio	Lower	Upper	
75	100		
77	14.0	7.4	22.2





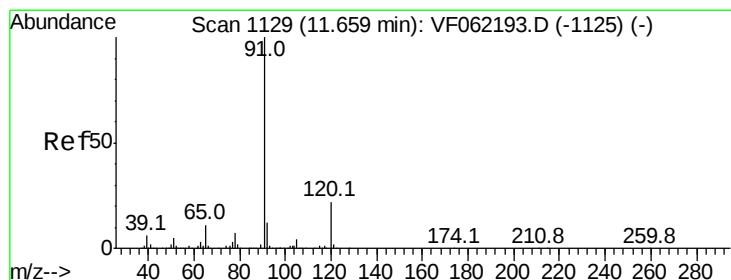
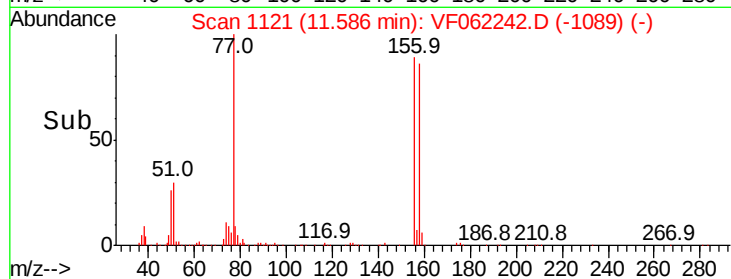
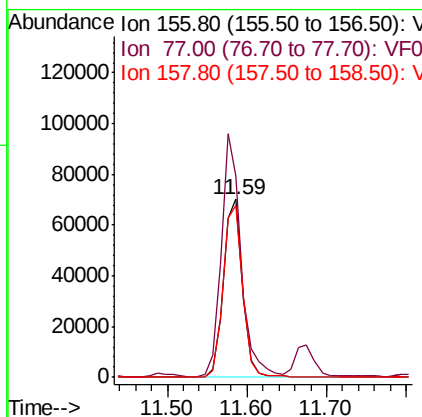
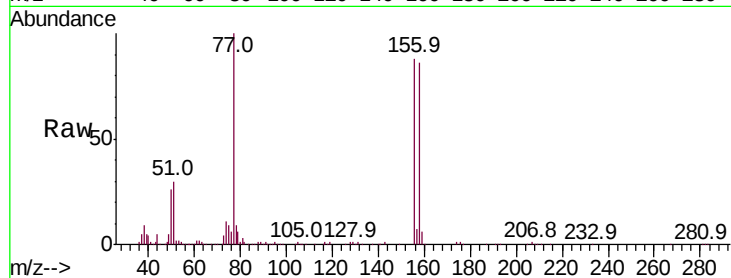
#77
Bromobenzene
Concen: 22.622 ug/l
RT: 11.59 min Scan# 1121
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	118815		
77	140.3	80.9	242.7	
158	99.6	49.8	149.4	

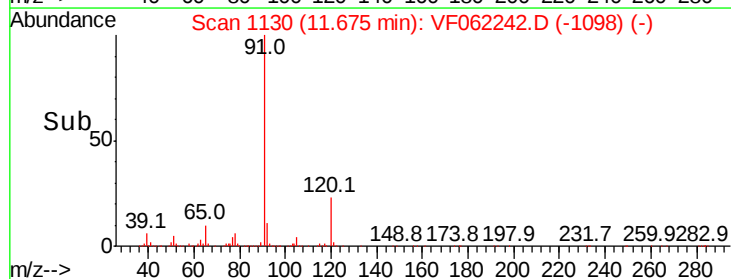
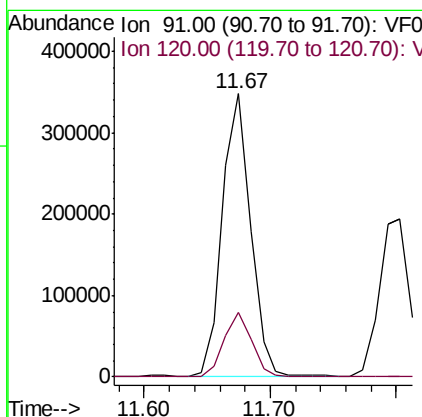
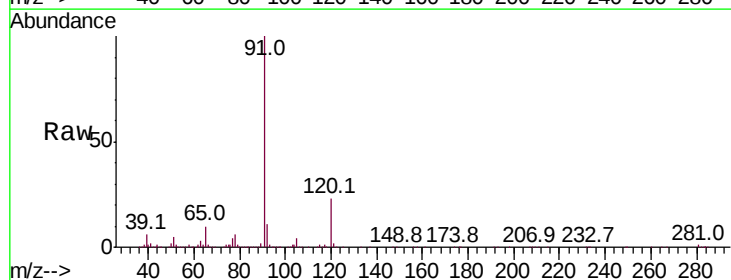
Manual Integrations
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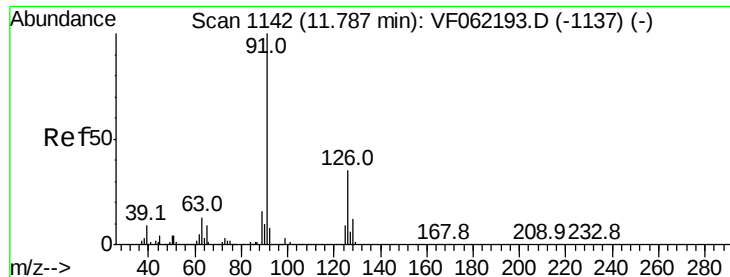
MMDadoda
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#78
n-propylbenzene
Concen: 20.850 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	539272		
120	22.5	11.2	33.6	





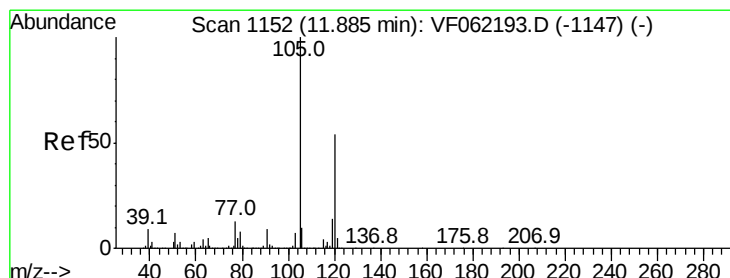
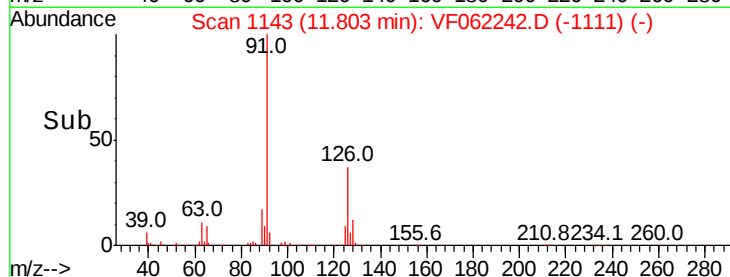
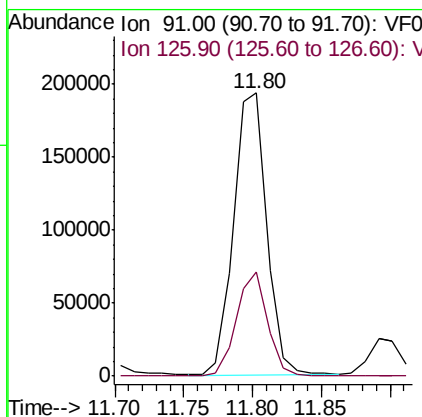
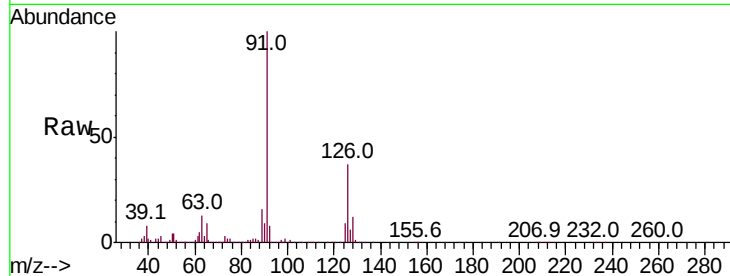
#79
2-Chlorotoluene
Concen: 20.586 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.9	50.6

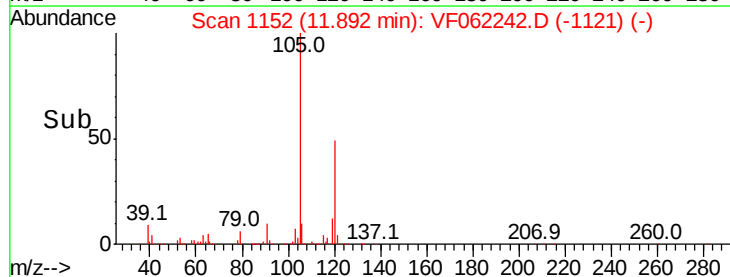
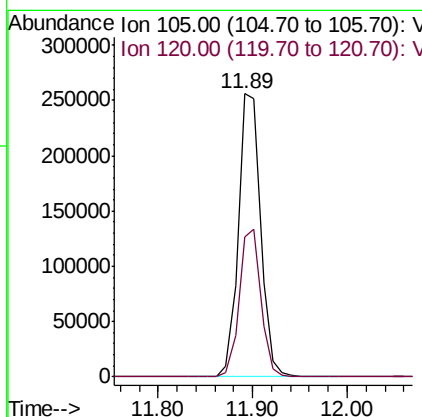
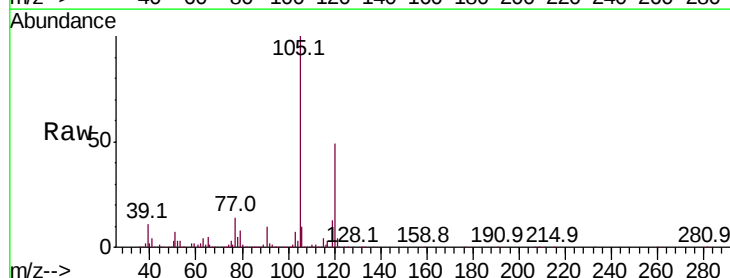
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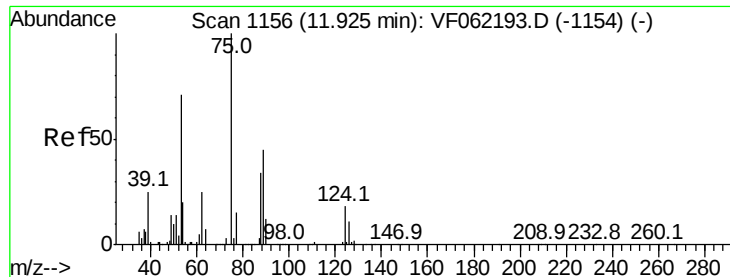
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#80
1,3,5-Trimethylbenzene
Concen: 20.381 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.0	26.2	78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.494 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

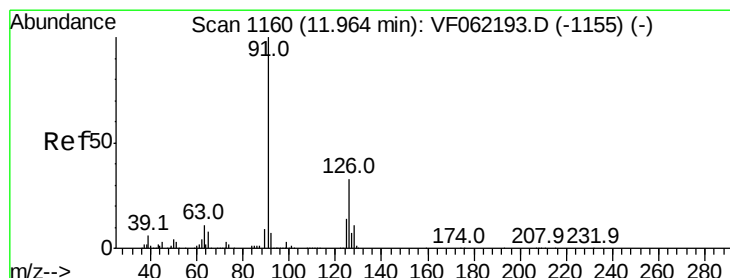
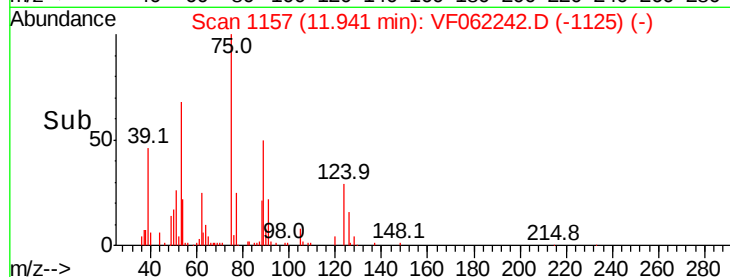
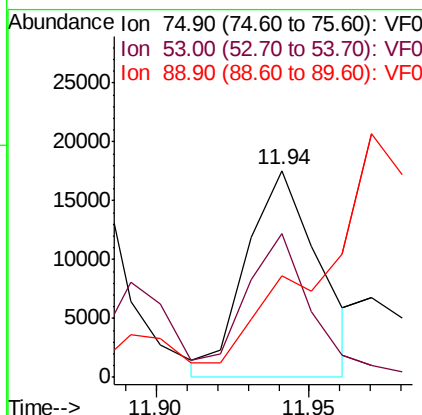
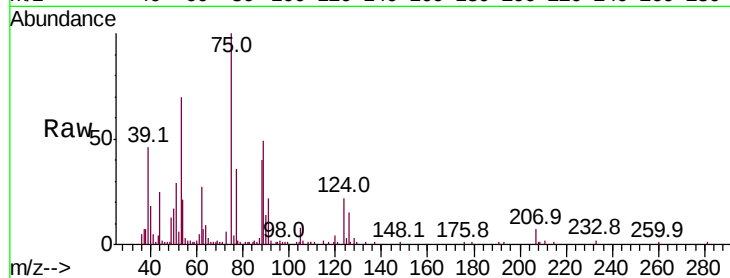
ClientSampleId :

VF0422SBS01

Tot Ion:	75	Resp:	28841
Ion Ratio	Lower	Upper	
75	100		
53	67.1	50.2	75.4
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 20.774 ug/l

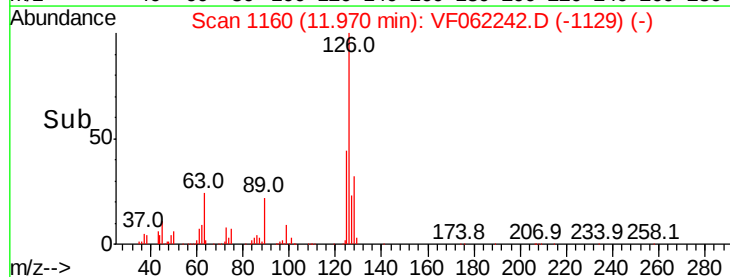
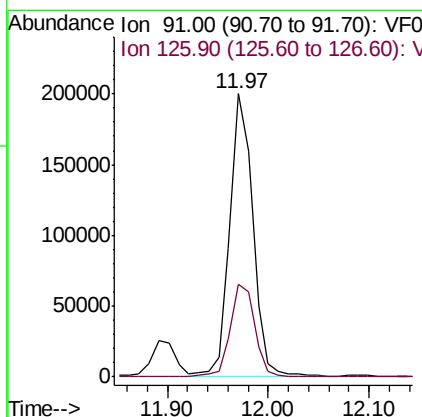
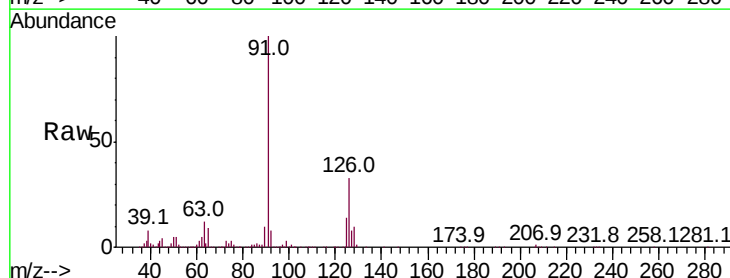
RT: 11.97 min Scan# 1160

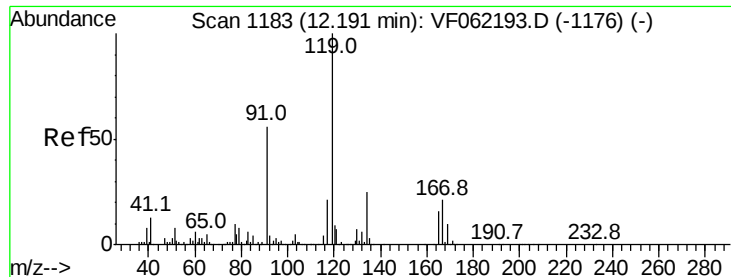
Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion:	91	Resp:	314986
Ion Ratio	Lower	Upper	
91	100		
126	35.6	16.9	50.6





#83

tert-Butylbenzene

Concen: 21.032 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

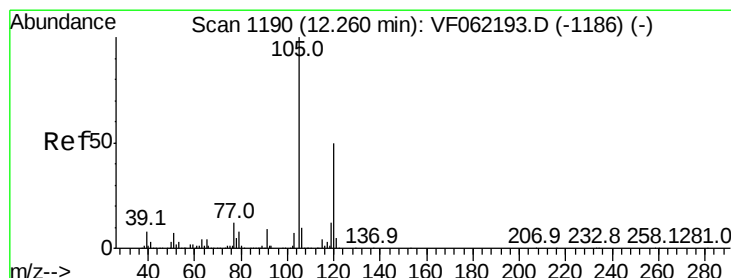
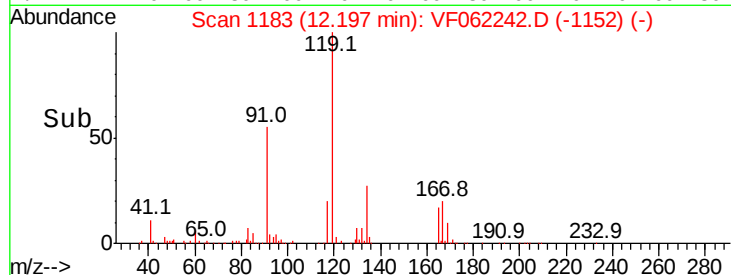
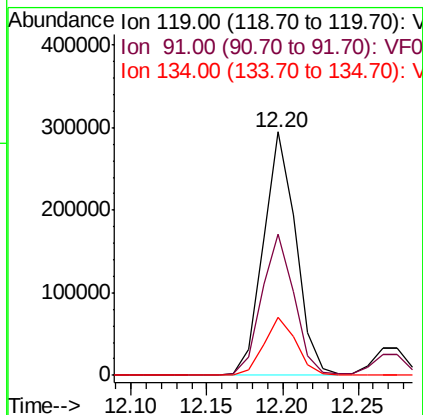
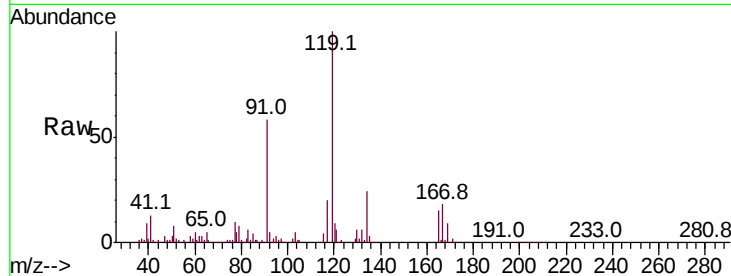
ClientSampleId :

VF0422SBS01

Tot Ion:	119	Resp:	444146
Ion Ratio	Lower	Upper	
119	100		
91	57.5	29.4	88.2
134	23.9	11.8	35.3

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#84

1,2,4-Trimethylbenzene

Concen: 20.754 ug/l

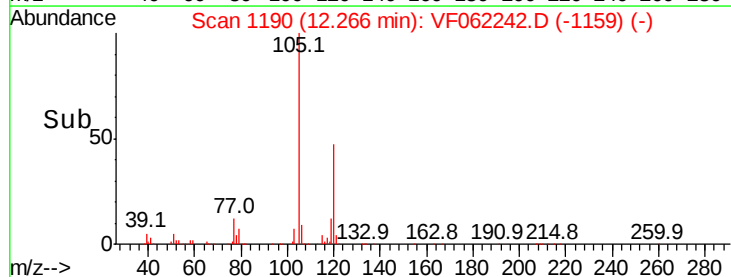
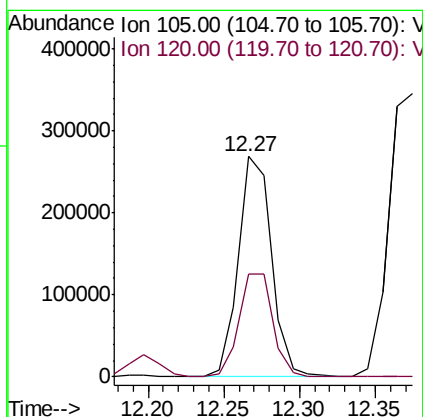
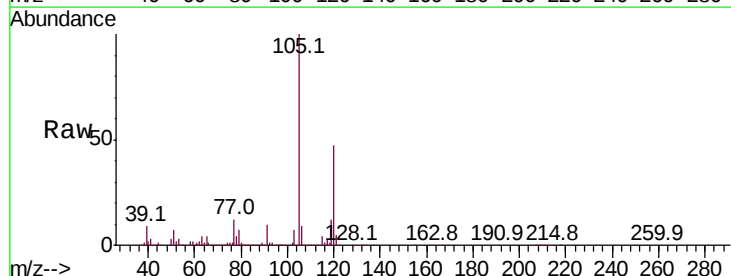
RT: 12.27 min Scan# 1190

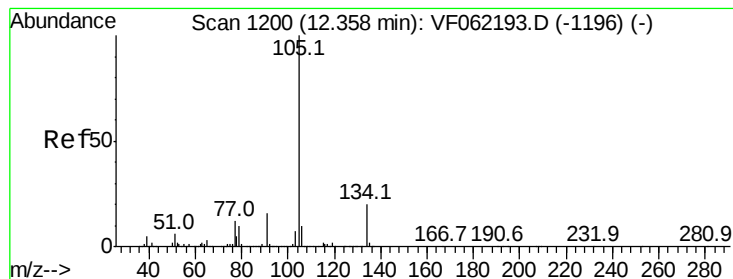
Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion:	105	Resp:	410121
Ion Ratio	Lower	Upper	
105	100		
120	47.9	24.0	72.0





#85

sec-Butylbenzene

Concen: 20.429 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0422SBS01

Tot Ion:105 Resp: 560073

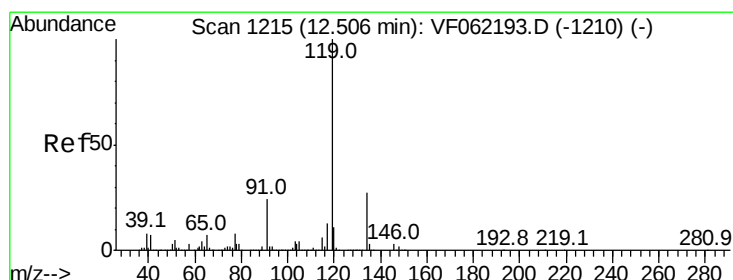
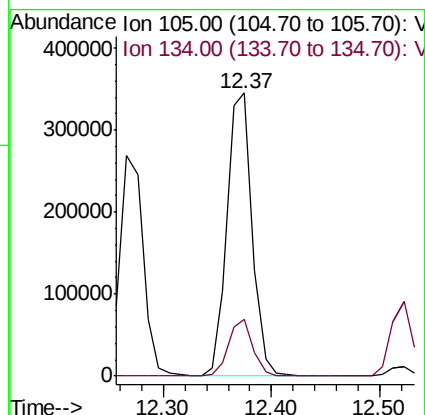
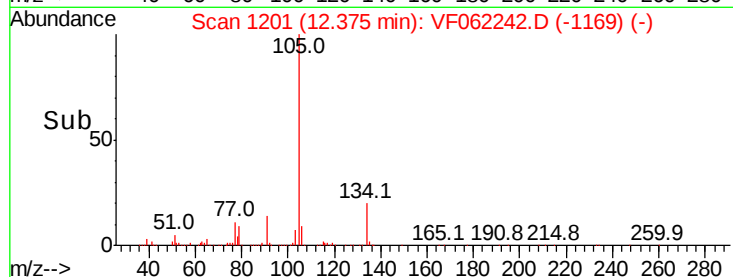
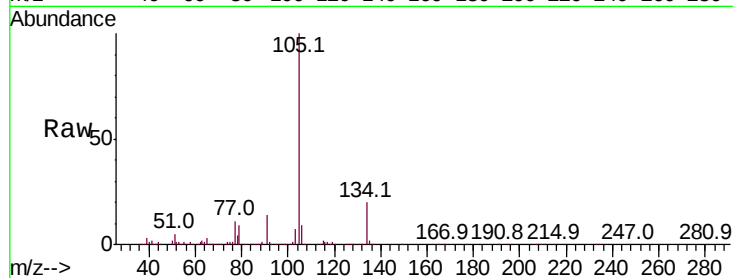
Ion Ratio Lower Upper

105 100

134 19.2 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 20.840 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.02 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

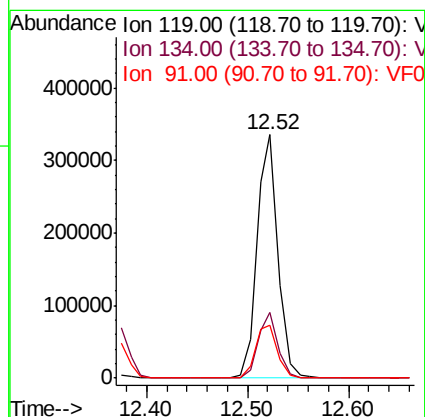
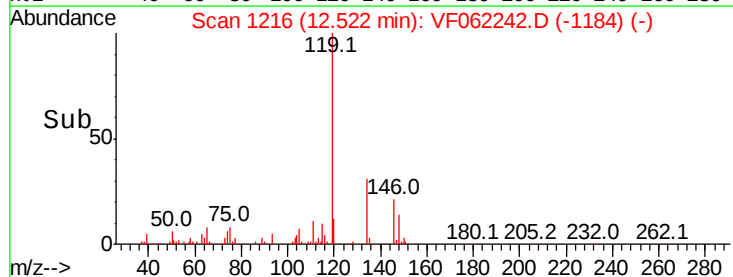
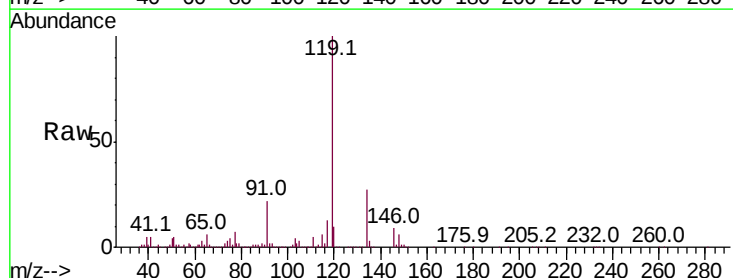
Tgt Ion:119 Resp: 484663

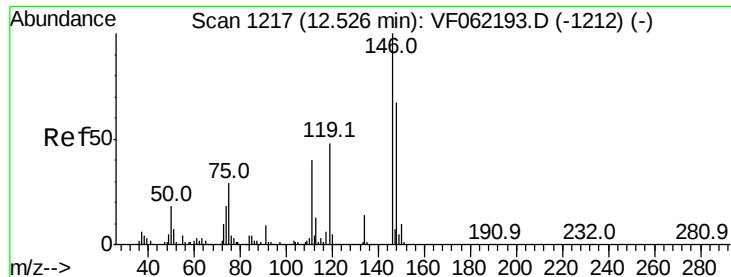
Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

91 22.8 11.7 35.1





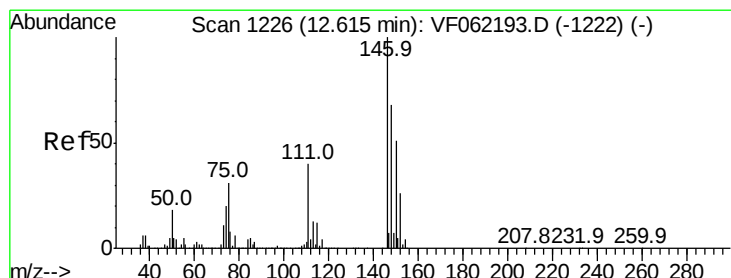
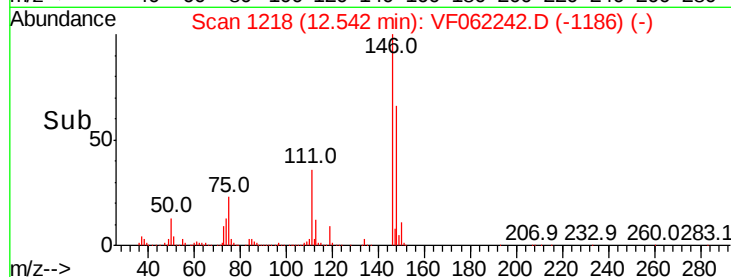
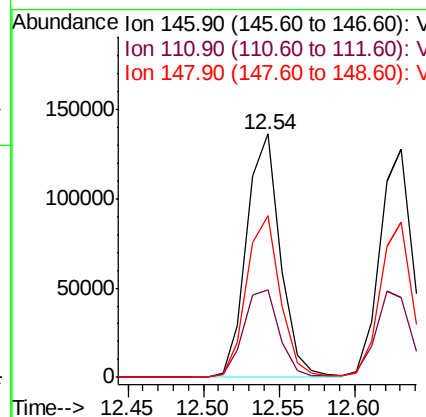
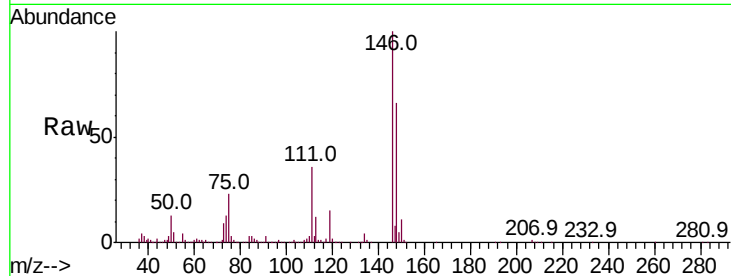
#87
 1,3-Dichlorobenzene
 Concen: 21.757 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	212054		
111	38.3	19.7	59.0	
148	66.4	32.9	98.6	

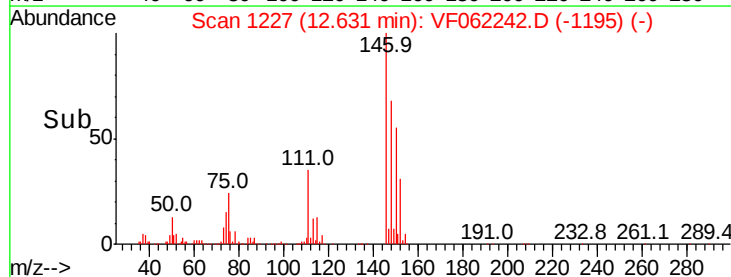
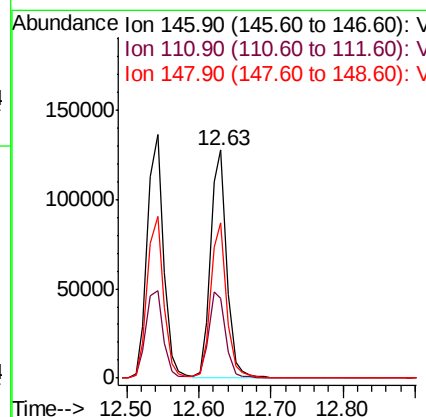
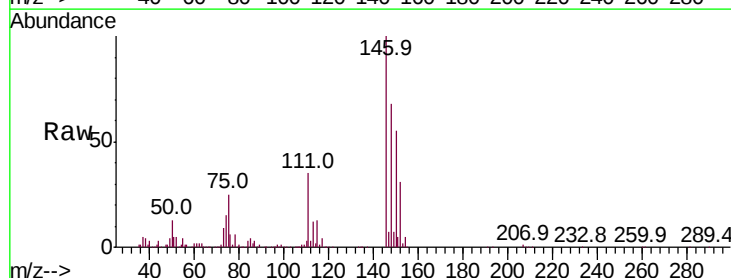
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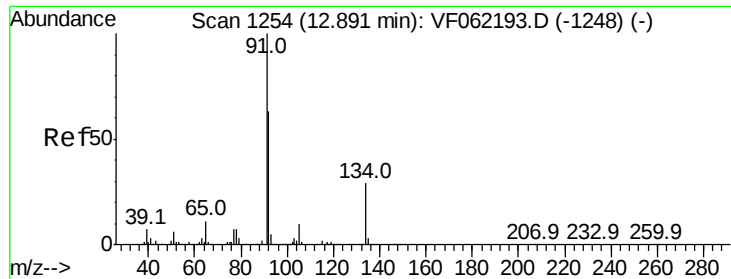
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#88
 1,4-Dichlorobenzene
 Concen: 21.222 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.02 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199507		
111	39.4	20.0	60.0	
148	66.6	33.6	100.8	





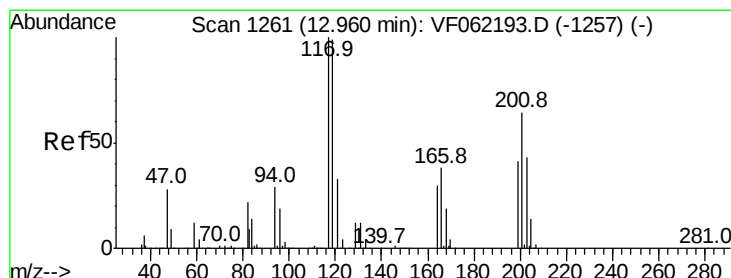
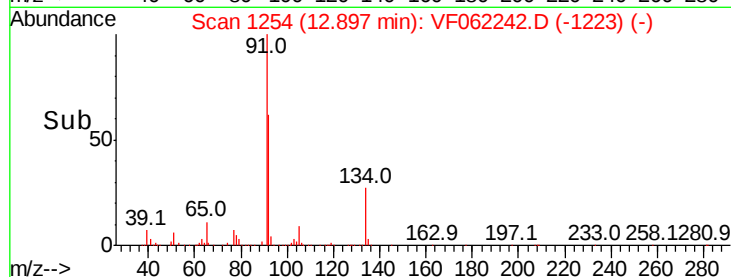
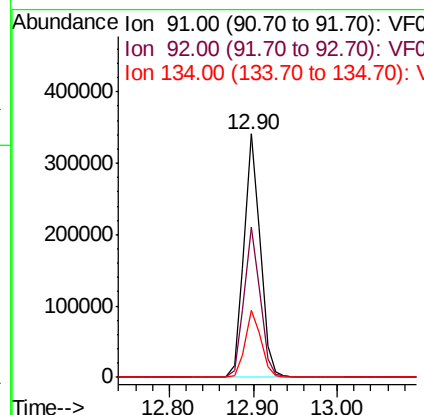
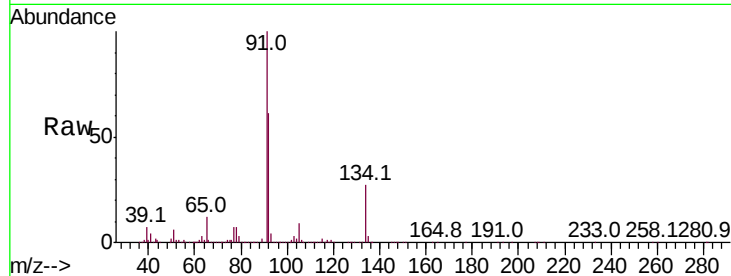
#89
n-Butylbenzene
Concen: 21.083 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. 0.01 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	60.8	31.2	93.6	
134	26.9	13.1	39.1	

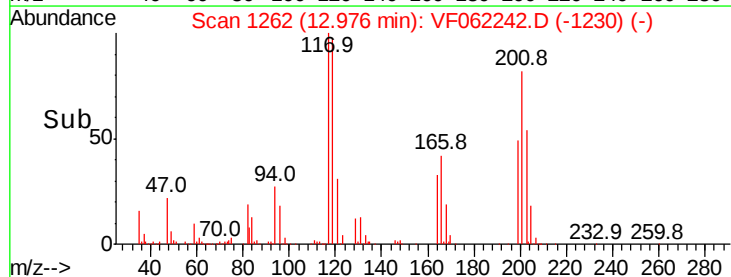
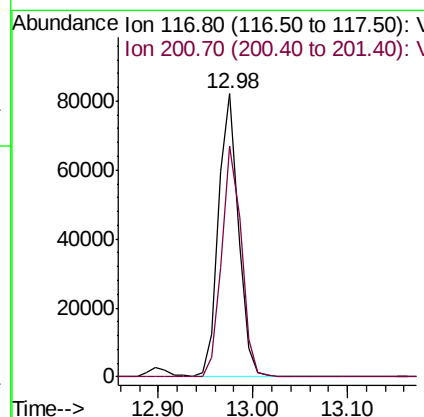
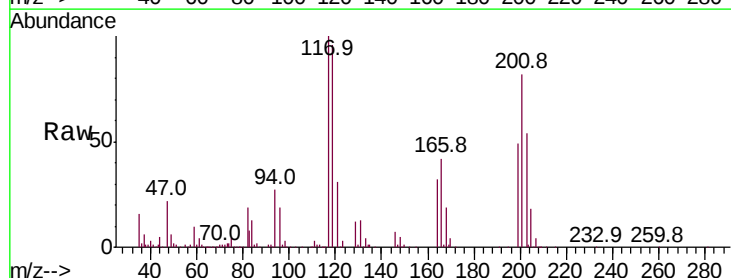
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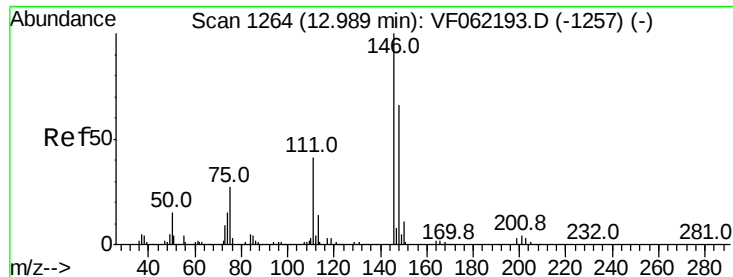
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#90
Hexachloroethane
Concen: 20.171 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	80.6	37.7	113.1	





#91

1,2-Dichlorobenzene

Concen: 21.706 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_F

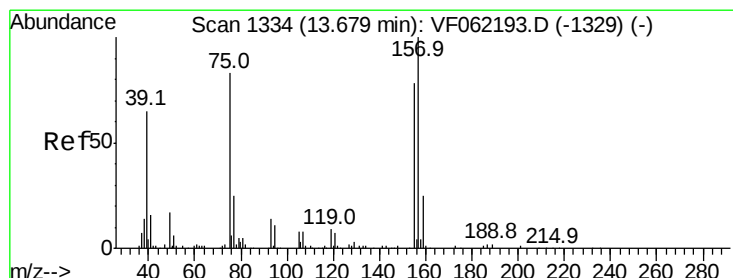
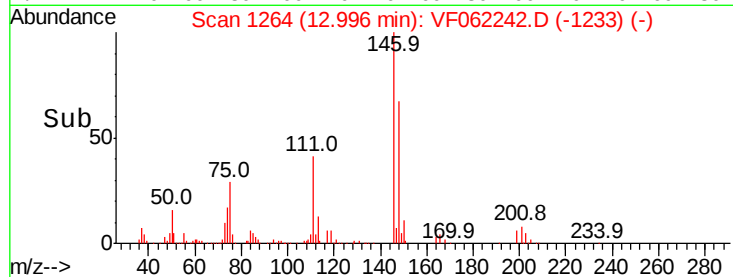
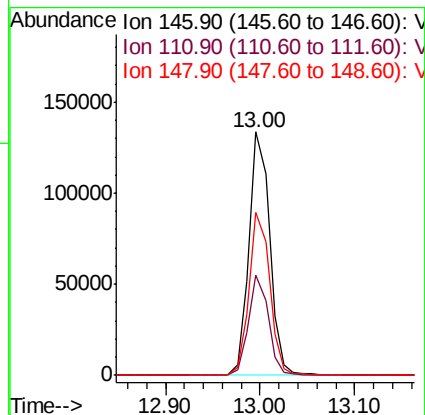
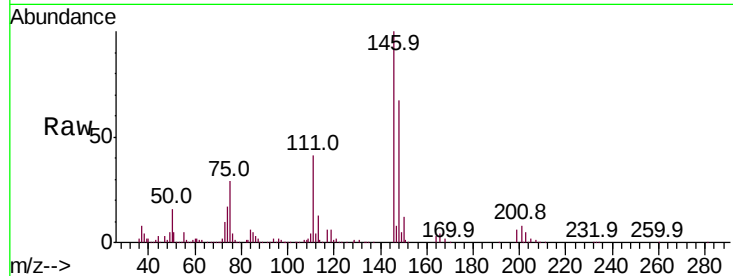
ClientSampleId :

VF0422SBS01

Tot Ion:	146	Resp:	204280
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.8	62.5
148	66.9	33.0	99.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.893 ug/l

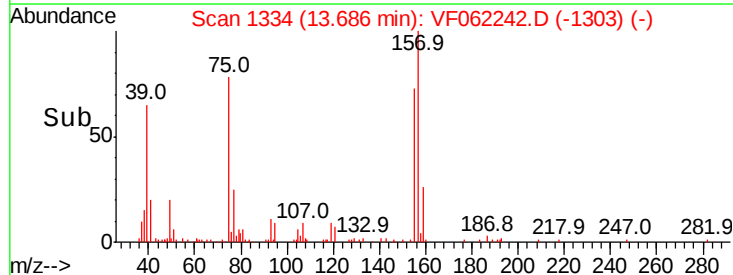
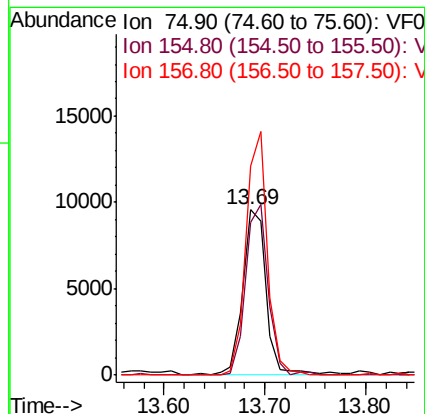
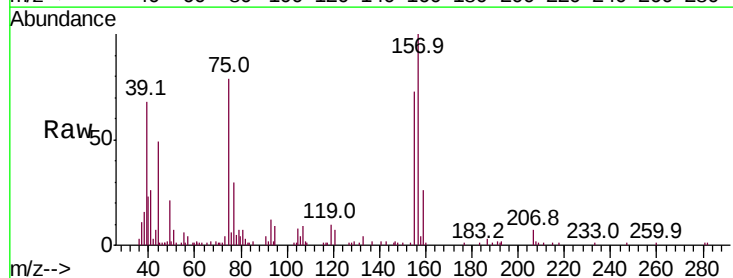
RT: 13.69 min Scan# 1334

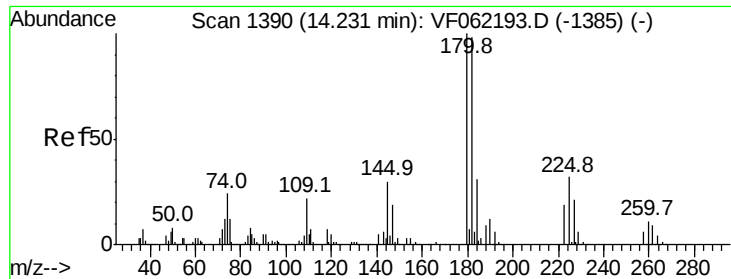
Delta R.T. 0.01 min

Lab File: VF062242.D

Acq: 22 Apr 2019 14:02

Tgt Ion:	75	Resp:	15651
Ion Ratio	Lower	Upper	
75	100		
155	98.3	47.6	142.8
157	132.3	61.3	183.9





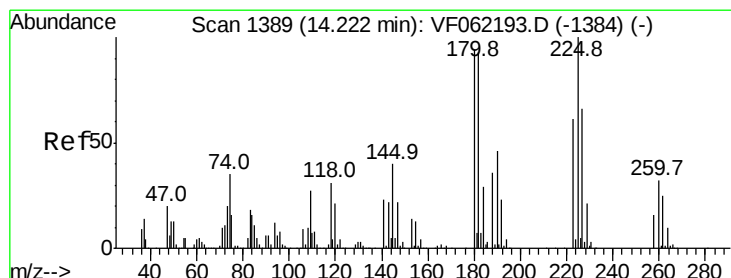
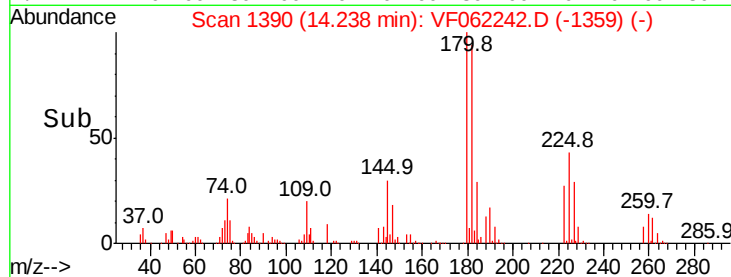
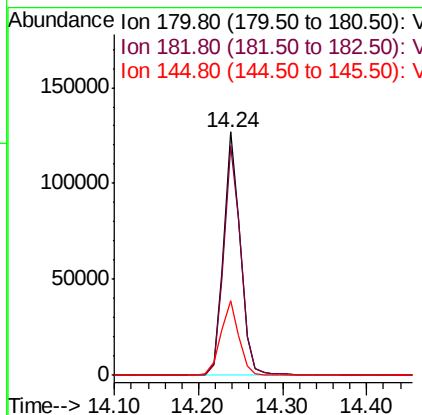
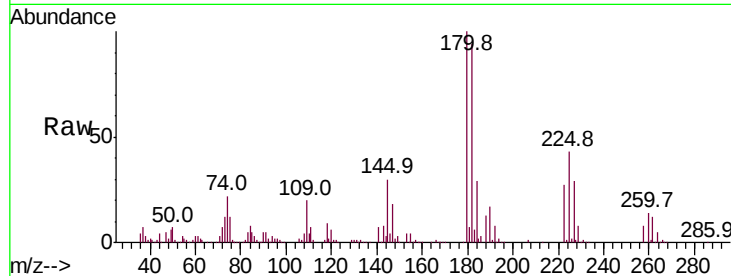
#93
 1,2,4-Trichlorobenzene
 Concen: 22.424 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	176567		
182	95.6	49.3	147.9	
145	32.6	18.1	54.4	

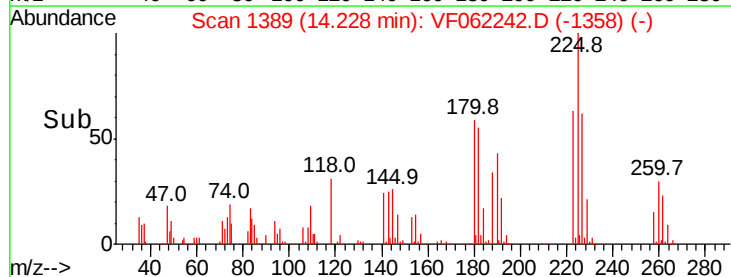
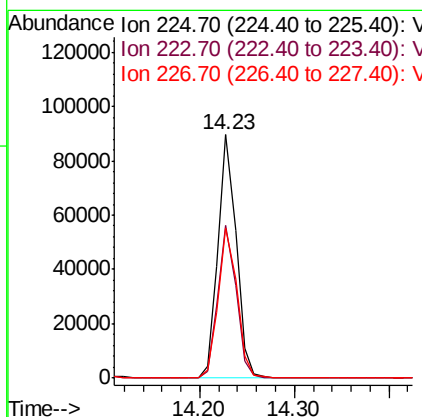
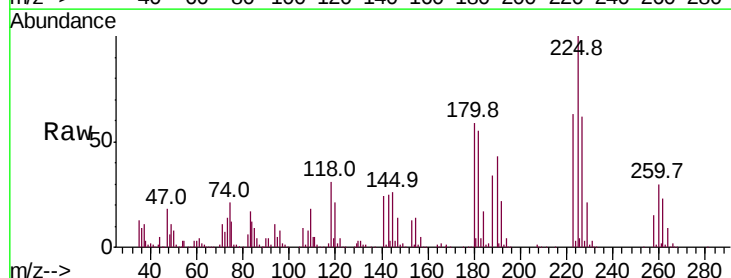
Manual Integrations
 APPROVED

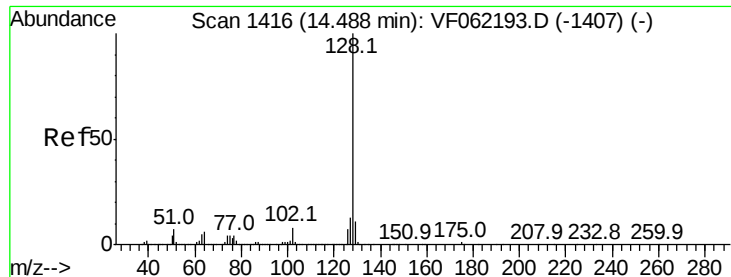
MMDadoda
 4/23/2019 9:22:25 AM



#94
 Hexachlorobutadiene
 Concen: 22.334 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VF062242.D
 Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120586		
223	62.9	31.0	93.0	
227	63.3	32.4	97.0	





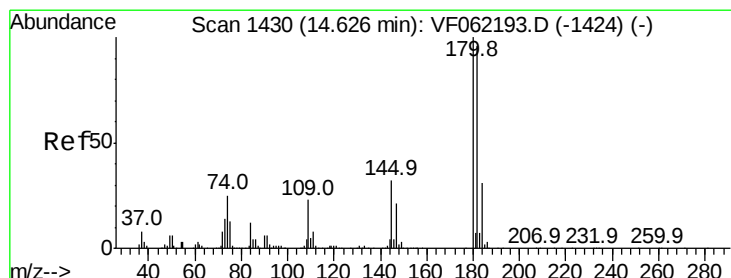
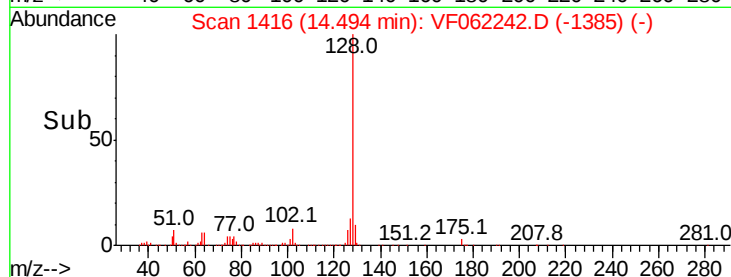
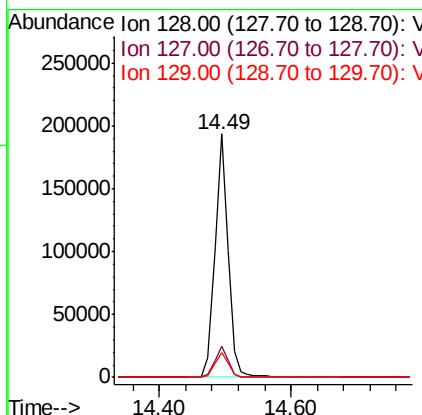
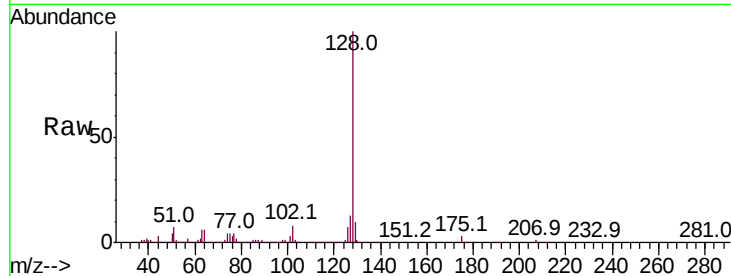
#95
Naphthalene
Concen: 19.330 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0422SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	266132		
127	13.1	10.4	15.6	
129	10.9	9.2	13.8	

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 21.249 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.02 min
Lab File: VF062242.D
Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	160629		
182	96.5	48.4	145.3	
145	30.9	15.6	46.8	

