

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062633.D
 Acq On : 17 May 2019 12:17
 Operator : FY/SY
 Sample : VF0517SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Manual Integrations
 APPROVED

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 5/20/2019 2:51:56 PM

Quant Time: May 18 01:49:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	758943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1235647	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	924273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	451019	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	238246	44.42	ug/l	0.01
Spiked Amount 50.000			Recovery	=	88.84%	
35) Dibromofluoromethane	4.32	113	448970	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
50) Toluene-d8	7.72	98	1044519	46.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.54%	
62) 4-Bromofluorobenzene	11.51	95	370796	43.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	210813	20.412	ug/l	100
3) Chloromethane	1.16	50	192375	20.229	ug/l	97
4) Vinyl Chloride	1.19	62	182349	20.831	ug/l	99
5) Bromomethane	1.39	94	97531	20.366	ug/l #	75
6) Chloroethane	1.45	64	64192	19.967	ug/l #	81
7) Trichlorofluoromethane	1.57	101	166516	14.167	ug/l	98
8) Diethyl Ether	1.72	74	51175	21.978	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	162768	21.748	ug/l	97
10) Methyl Iodide	2.00	142	253733	17.258	ug/l	98
11) Tert butyl alcohol	2.71	59	37256	105.221	ug/l #	90
12) 1,1-Dichloroethene	1.88	96	140319	20.581	ug/l	95
13) Acrolein	2.11	56	42224	114.242	ug/l	96
14) Allyl chloride	2.21	41	118544	19.211	ug/l	97
15) Acrylonitrile	3.10	53	161872	162.070	ug/l #	90
16) Acetone	2.36	43	126233	90.727	ug/l	90
17) Carbon Disulfide	1.92	76	180017	8.908	ug/l	100
18) Methyl Acetate	2.48	43	48794	22.317	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	270656	22.207	ug/l	97
20) Methylene Chloride	2.35	84	98882	14.179	ug/l	94
21) trans-1,2-Dichloroethene	2.43	96	126852	19.036	ug/l	97
22) Diisopropyl ether	2.95	45	323815	21.277	ug/l	98
23) Vinyl Acetate	3.35	43	1198197	116.713	ug/l	98
24) 1,1-Dichloroethane	3.02	63	247025	22.126	ug/l	98
25) 2-Butanone	4.54	43	320681	107.878	ug/l	100
26) 2,2-Dichloropropane	3.79	77	147064	23.022	ug/l	87
27) cis-1,2-Dichloroethene	3.66	96	252710	23.055	ug/l	97
28) Bromochloromethane	3.92	49	120082	19.178	ug/l	97
29) Tetrahydrofuran	4.29	42	138194	114.883	ug/l	97
30) Chloroform	4.06	83	334855	21.602	ug/l	100
31) Cyclohexane	3.89	56	227291	15.162	ug/l	96
32) 1,1,1-Trichloroethane	4.30	97	225939	21.948	ug/l	94
36) 1,1-Dichloropropene	4.49	75	288007	22.747	ug/l	96
37) Ethyl Acetate	4.32	43	119928	23.198	ug/l #	74
38) Carbon Tetrachloride	4.20	117	189934	19.946	ug/l	98

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Quant Time: May 18 01:49:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	349618	22.948	ug/l	95
40) Benzene	4.84	78	781855	22.667	ug/l	97
41) Methacrylonitrile	4.94	41	61690	22.761	ug/l	96
42) 1,2-Dichloroethane	5.15	62	152906	22.229	ug/l	93
43) Isopropyl Acetate	7.13	43	138416	20.667	ug/l	93
44) Trichloroethene	5.70	130	220731	22.769	ug/l	93
45) 1,2-Dichloropropane	6.42	63	198736	22.824	ug/l	98
46) Dibromomethane	6.27	93	118079	23.465	ug/l	98
47) Bromodichloromethane	6.57	83	235217	22.515	ug/l	97
48) Methyl methacrylate	6.89	41	74288	21.221	ug/l	94
49) 1,4-Dioxane	6.88	88	20340	453.644	ug/l #	77
51) 4-Methyl-2-Pentanone	8.41	43	518501	113.258	ug/l	96
52) Toluene	7.79	92	415405	22.963	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	186502	21.821	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	275252	23.006	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	118159	22.060	ug/l	95
56) Ethyl methacrylate	8.77	69	141371	22.154	ug/l	94
57) 1,3-Dichloropropane	9.01	76	213307	23.381	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	227085	109.328	ug/l	100
59) 2-Hexanone	9.63	43	355327	109.260	ug/l	100
60) Dibromochloromethane	8.87	129	158506	22.706	ug/l	95
61) 1,2-Dibromoethane	9.14	107	131555	23.124	ug/l	96
64) Tetrachloroethene	8.31	164	168266	22.980	ug/l	95
65) Chlorobenzene	9.95	112	422994	23.301	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	167489	22.982	ug/l	96
67) Ethyl Benzene	10.04	91	721443	22.876	ug/l	94
68) m/p-Xylenes	10.26	106	497531	41.975	ug/l	88
69) o-Xylene	10.83	106	277761	22.751	ug/l	99
70) Styrene	10.90	104	405675	21.862	ug/l	98
71) Bromoform	10.88	173	79398	21.753	ug/l #	97
73) Isopropylbenzene	11.22	105	769291	23.799	ug/l	94
74) N-amyl acetate	11.46	43	210169	22.595	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	150047	22.713	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	95662	22.039	ug/l	97
77) Bromobenzene	11.58	156	182028	22.654	ug/l	96
78) n-propylbenzene	11.68	91	860392	22.490	ug/l	95
79) 2-Chlorotoluene	11.80	91	487224	22.599	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	594457	22.934	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	42450m	22.001	ug/l	
82) 4-Chlorotoluene	11.98	91	505101	23.757	ug/l	96
83) tert-Butylbenzene	12.21	119	601922	22.889	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	573268	22.851	ug/l	96
85) sec-Butylbenzene	12.37	105	786083	22.274	ug/l	94
86) p-Isopropyltoluene	12.52	119	709332	23.850	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	329571	22.671	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	320433	23.489	ug/l	98
89) n-Butylbenzene	12.91	91	683309	23.302	ug/l	93
90) Hexachloroethane	12.98	117	161758	22.672	ug/l	72
91) 1,2-Dichlorobenzene	13.00	146	300875	23.219	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	17398	22.076	ug/l	94

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Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBSD01

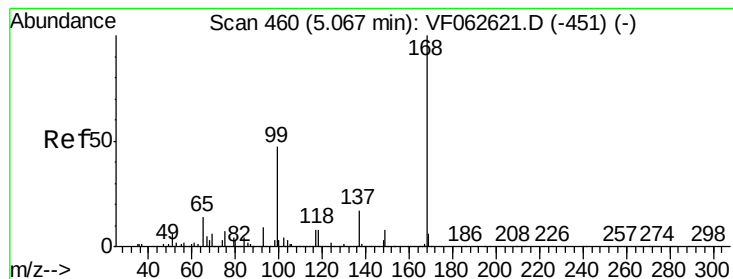
Manual Integrations
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Quant Time: May 18 01:49:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	213274	22.993	ug/l	94
94) Hexachlorobutadiene	14.24	225	144737	22.360	ug/l	98
95) Naphthalene	14.50	128	365555	21.694	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	196845	22.405	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion:168 Resp: 758943

Ion Ratio Lower Upper

168 100

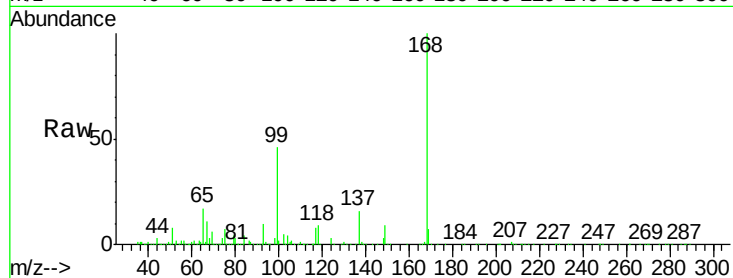
99 45.8 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

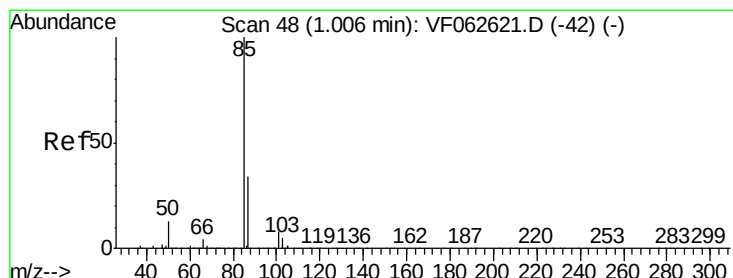
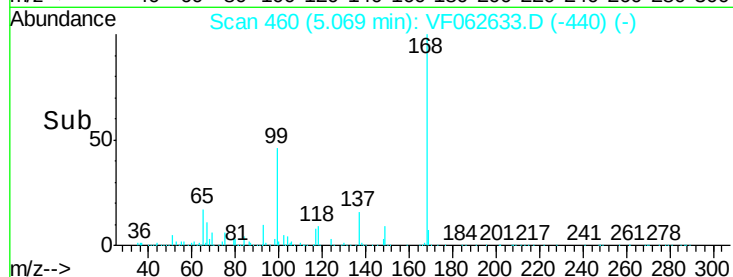
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.412 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062633.D

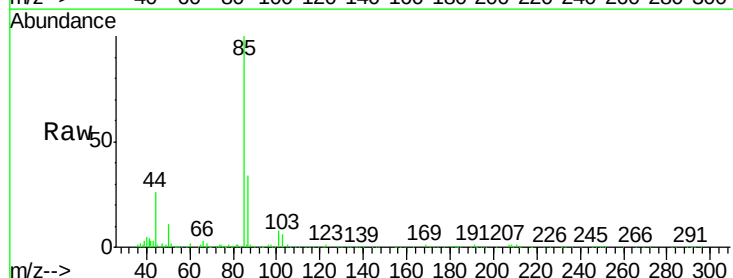
Acq: 17 May 2019 12:17

Tgt Ion: 85 Resp: 210813

Ion Ratio Lower Upper

85 100

87 33.6 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

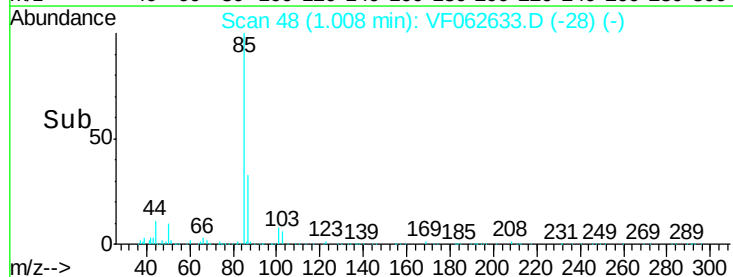
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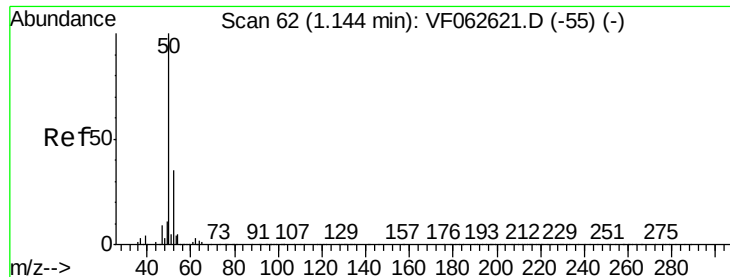
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.229 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 50 Resp: 192375

Ion Ratio Lower Upper

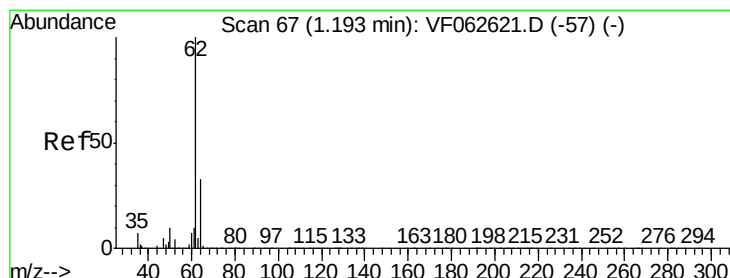
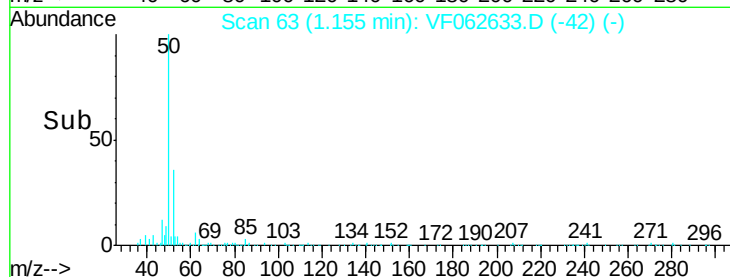
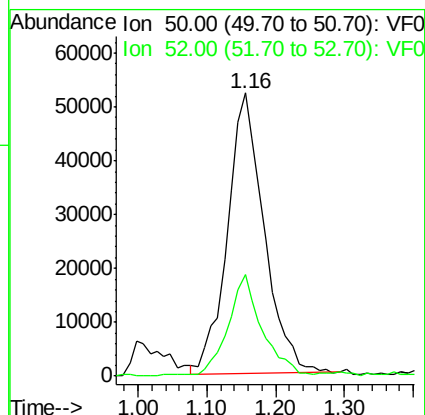
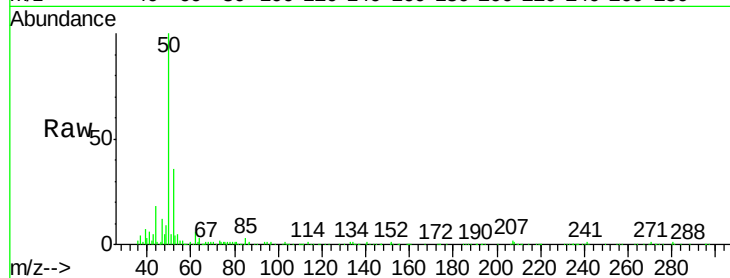
50 100

52 36.0 27.5 41.3

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#4

Vinyl Chloride

Concen: 20.831 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062633.D

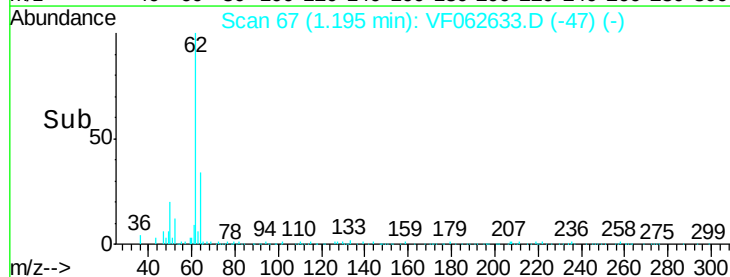
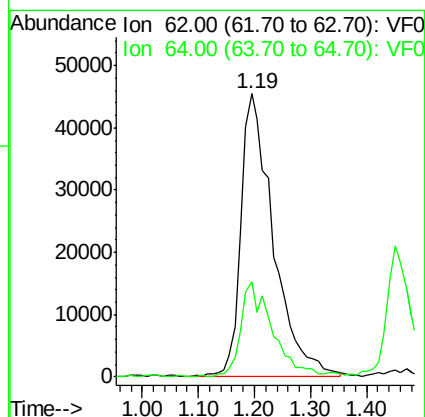
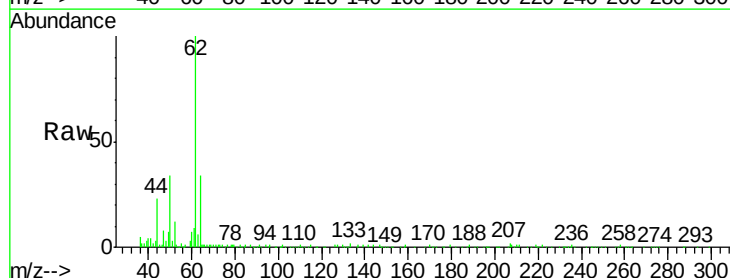
Acq: 17 May 2019 12:17

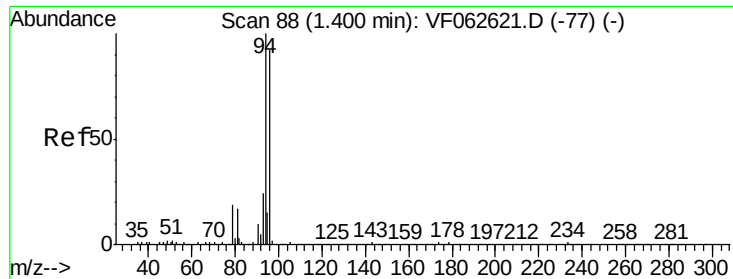
Tgt Ion: 62 Resp: 182349

Ion Ratio Lower Upper

62 100

64 33.8 26.7 40.1





#5

Bromomethane

Concen: 20.366 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 94 Resp: 97531

Ion Ratio Lower Upper

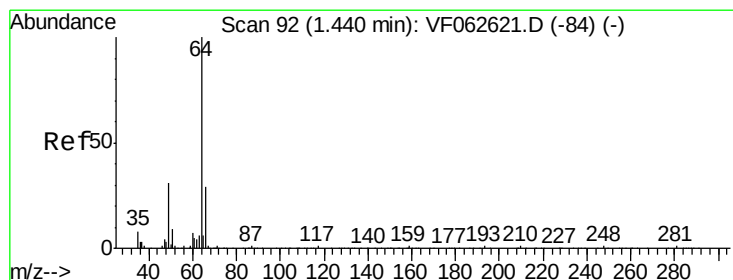
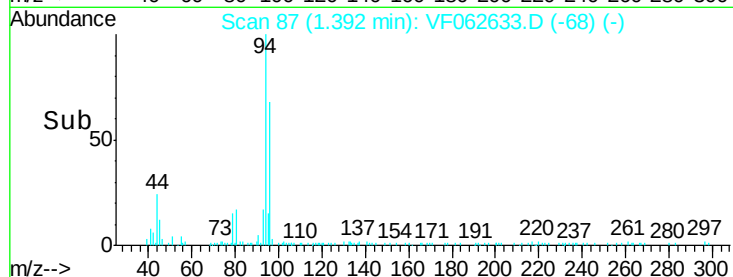
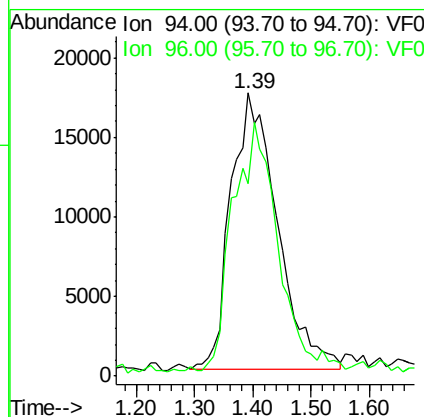
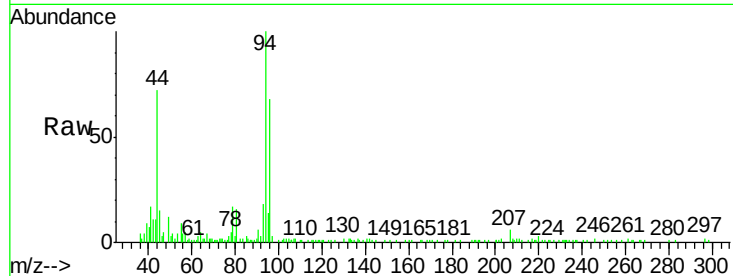
94 100

96 68.0 73.2 109.8#

Manual Integrations
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#6

Chloroethane

Concen: 19.967 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062633.D

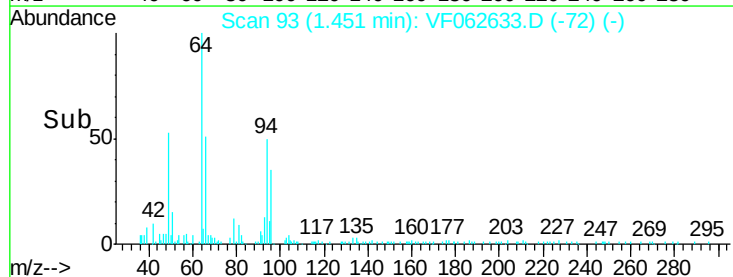
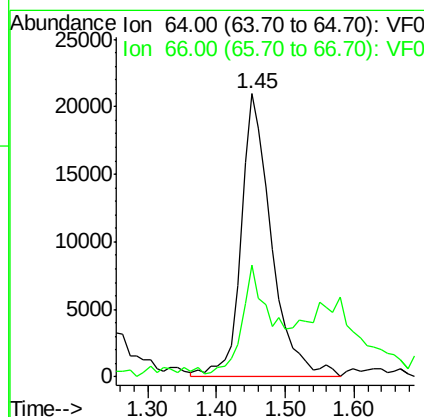
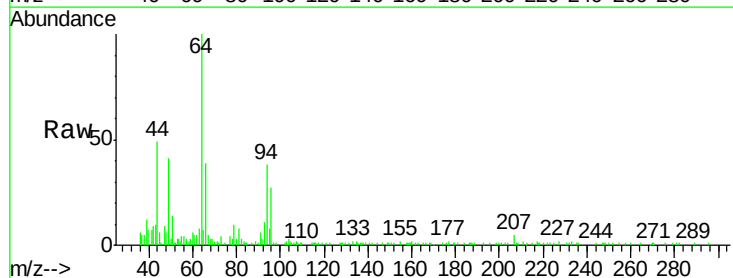
Acq: 17 May 2019 12:17

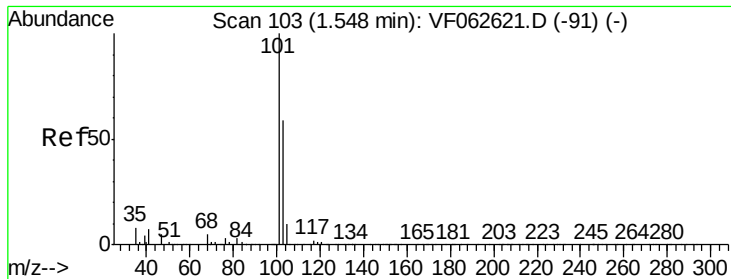
Tgt Ion: 64 Resp: 64192

Ion Ratio Lower Upper

64 100

66 39.4 23.4 35.2#





#7

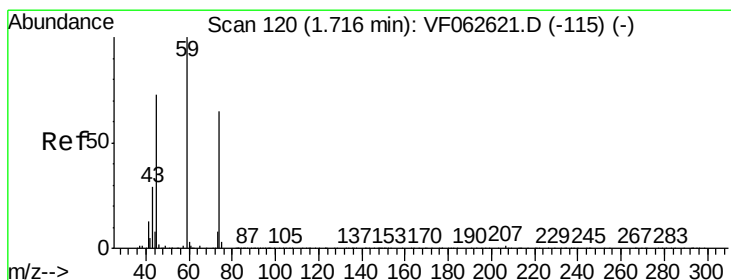
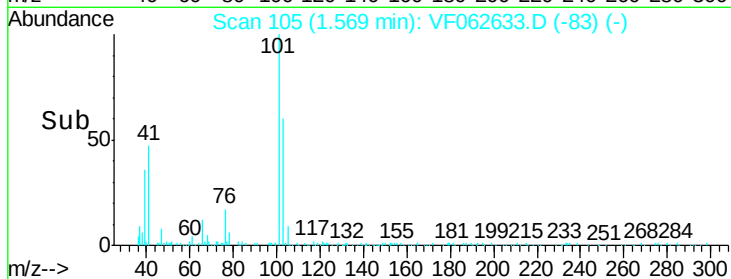
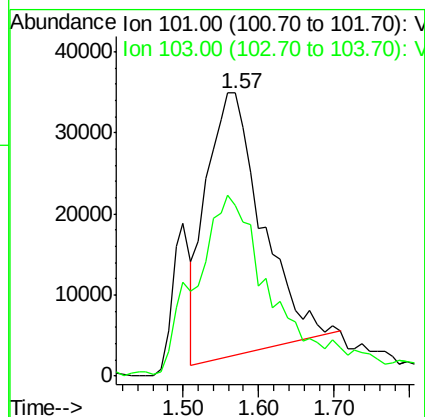
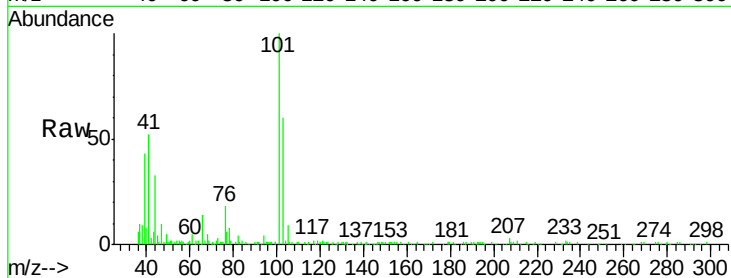
Trichlorofluoromethane
Concen: 14.167 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.02 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

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ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	47.3	70.9

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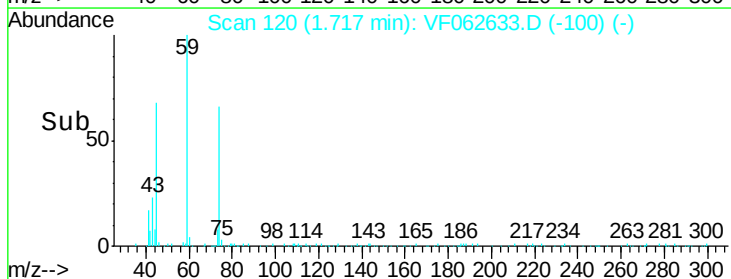
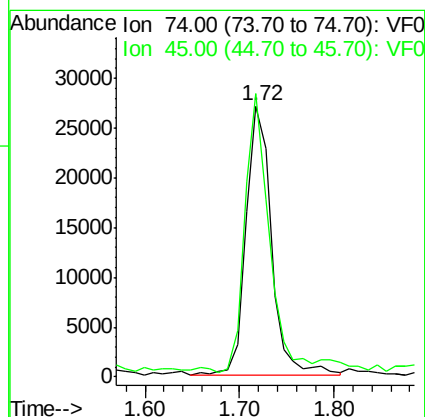
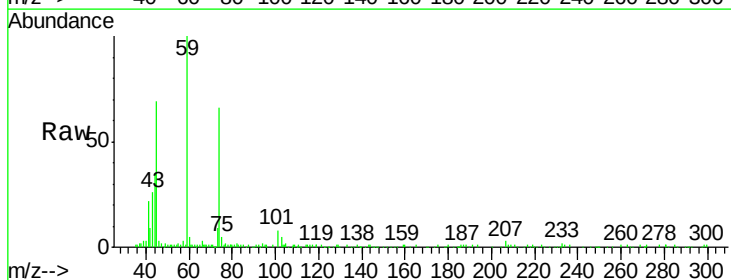
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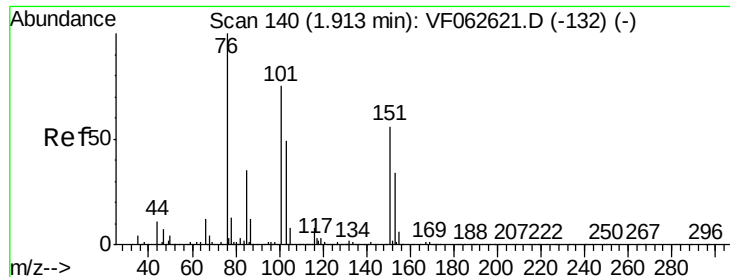


#8

Diethyl Ether
Concen: 21.978 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.748 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

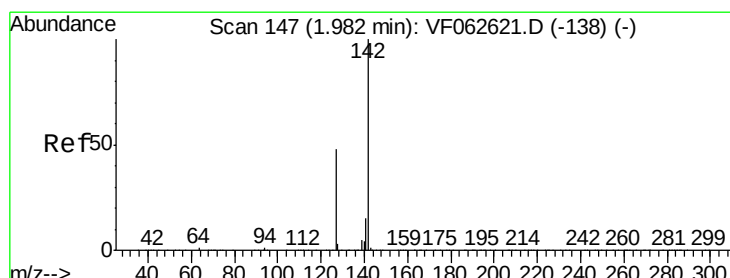
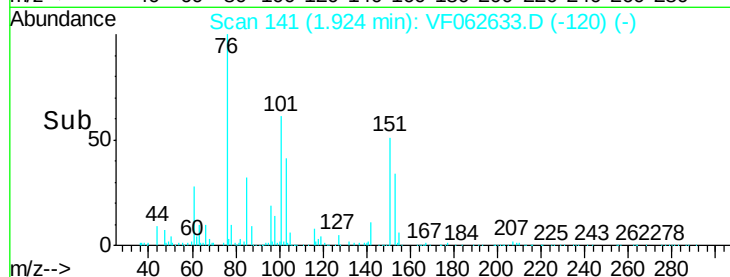
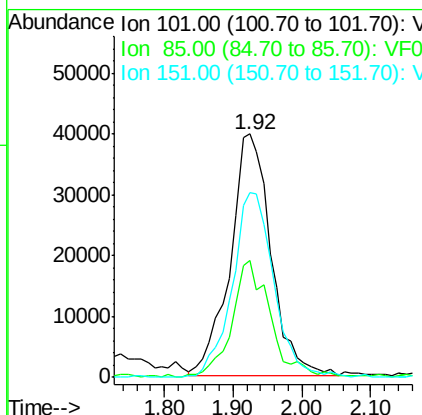
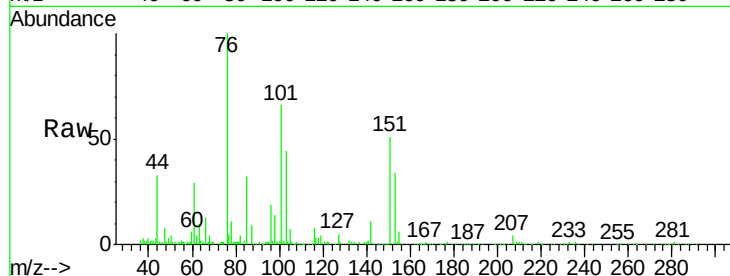
ClientSampleId :

VF0517SBS01

Tot Ion:	101	Resp:	162768
Ion Ratio	Lower	Upper	
101	100		
85	48.2	37.1	55.7
151	76.0	58.8	88.2

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#10

Methyl Iodide

Concen: 17.258 ug/l

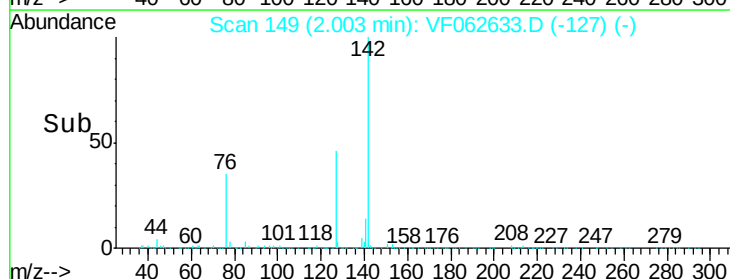
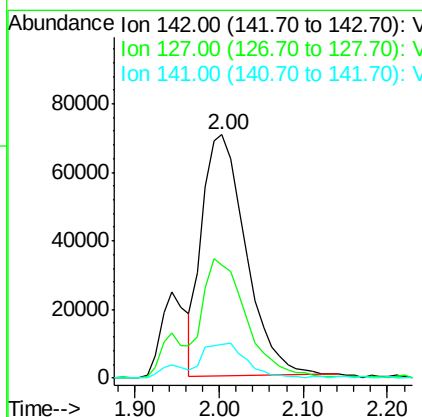
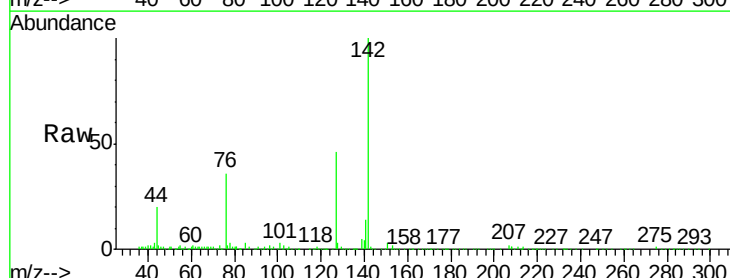
RT: 2.00 min Scan# 149

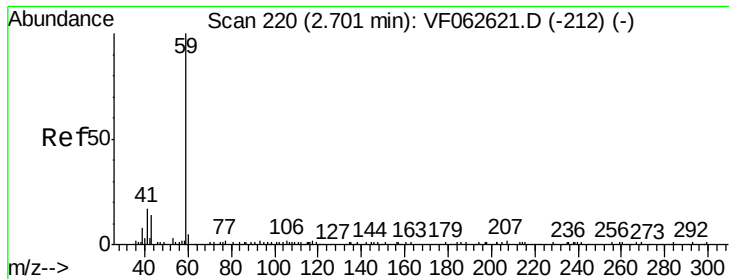
Delta R.T. 0.02 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	142	Resp:	253733
Ion Ratio	Lower	Upper	
142	100		
127	46.4	38.1	57.1
141	13.7	11.7	17.5





#11

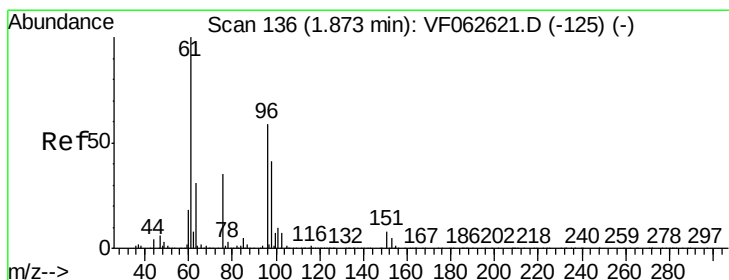
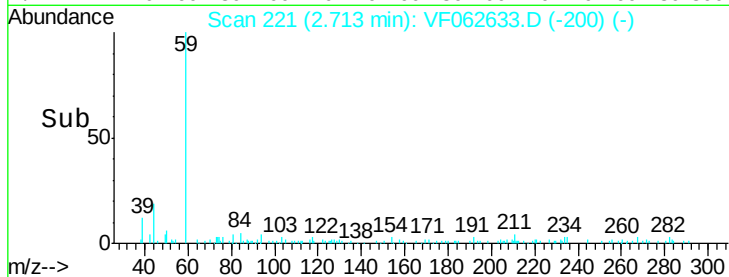
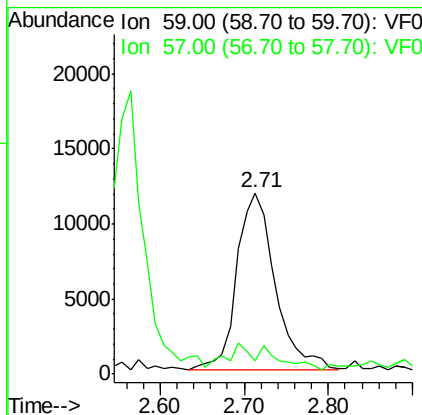
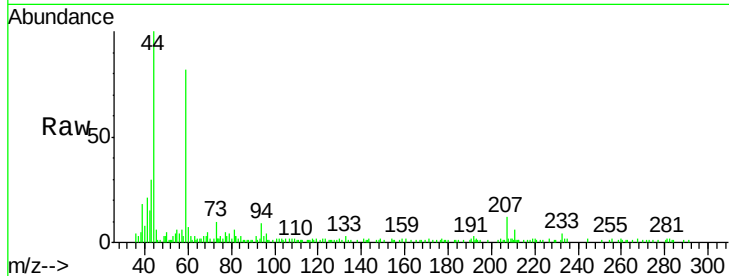
Tert butyl alcohol
Concen: 105.221 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.7	9.3	13.9#

Manual Integrations
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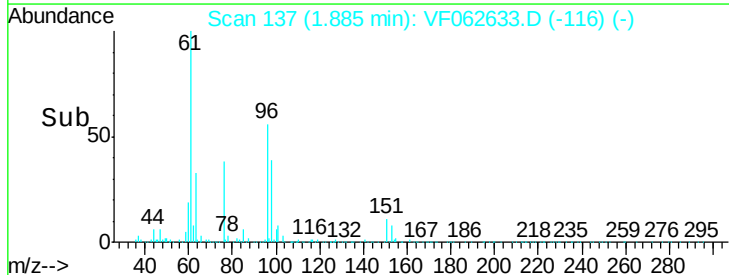
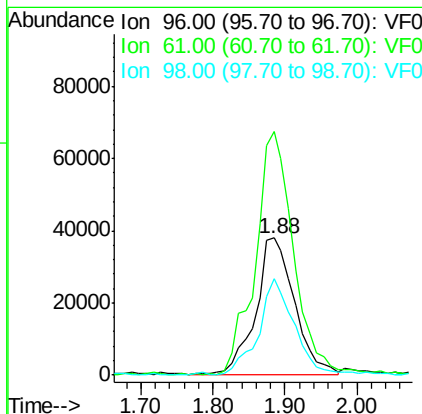
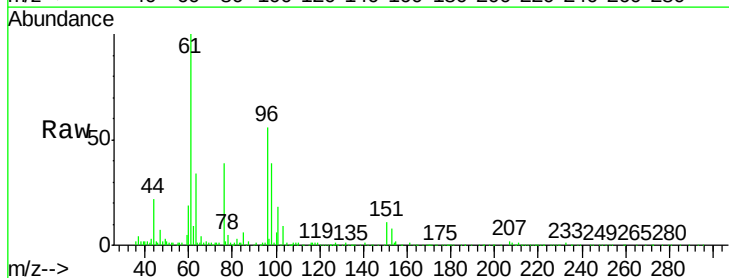
MMDadoda
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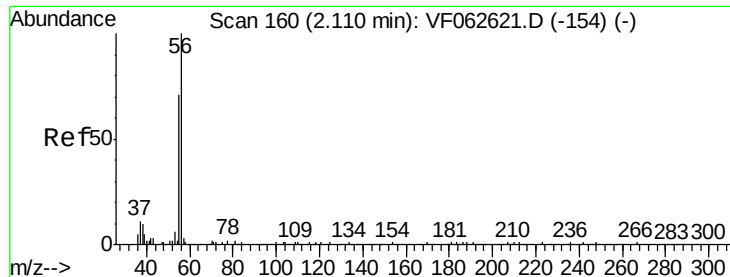


#12

1,1-Dichloroethene
Concen: 20.581 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.4	134.3	201.5
98	69.9	55.0	82.6





#13

Acrolein

Concen: 114.242 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 56 Resp: 42224

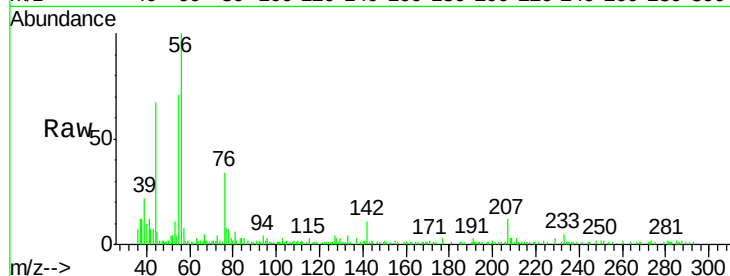
Ion Ratio Lower Upper

56 100

55 70.8 59.4 89.0

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.11

20000

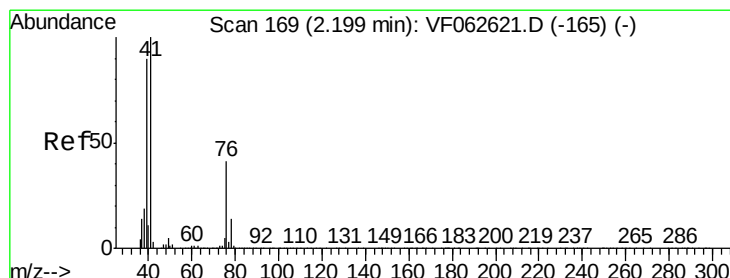
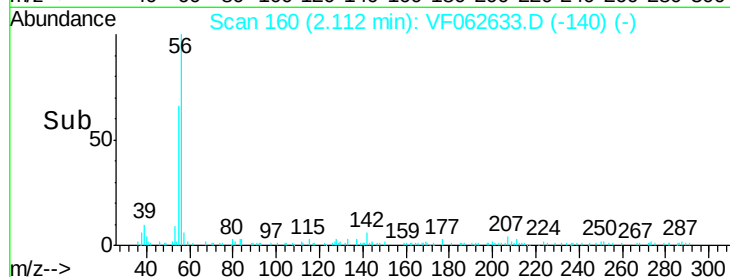
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 19.211 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

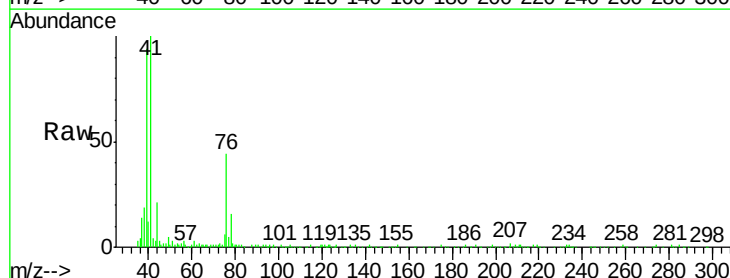
Tgt Ion: 41 Resp: 118544

Ion Ratio Lower Upper

41 100

39 94.0 72.0 108.0

76 44.0 34.8 52.2



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.21

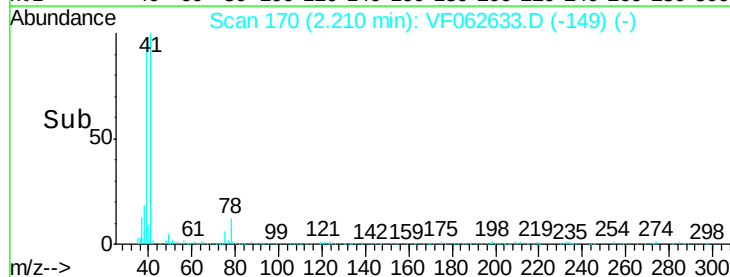
60000

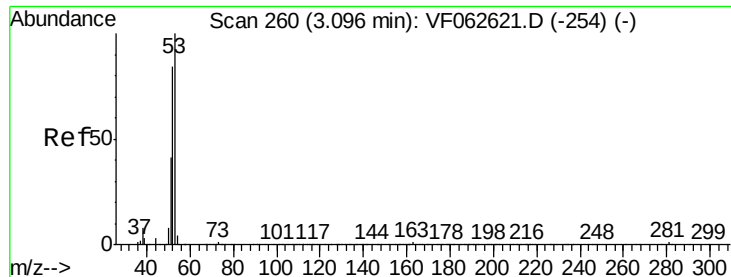
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 162.070 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

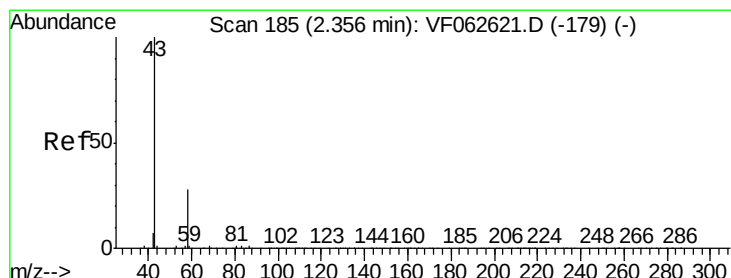
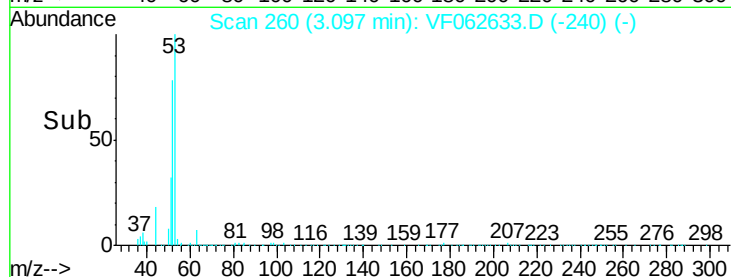
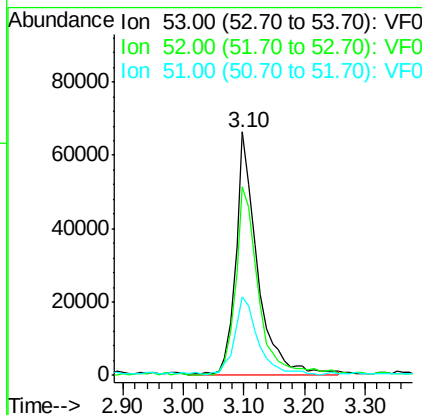
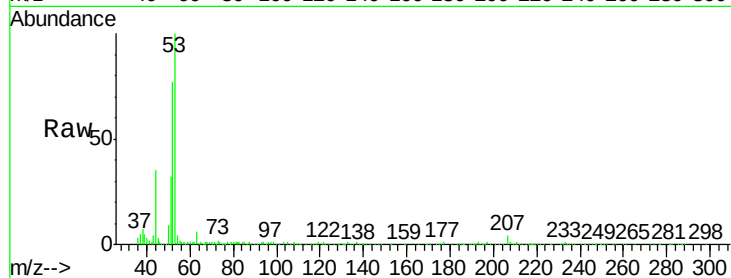
ClientSampleId :

VF0517SBS01

Tot Ion:	53	Resp:	161872
Ion Ratio		Lower	Upper
53	100		
52	77.3	67.3	100.9
51	32.2	33.0	49.6#

Manual Integrations
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#16

Acetone

Concen: 90.727 ug/l

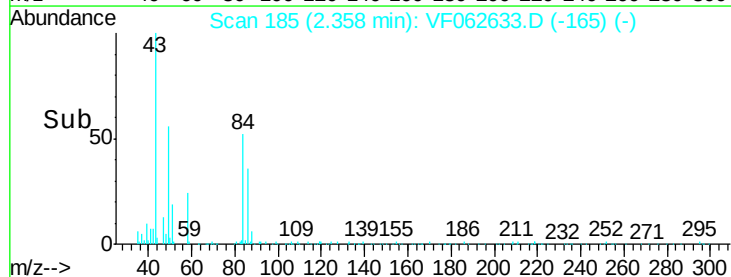
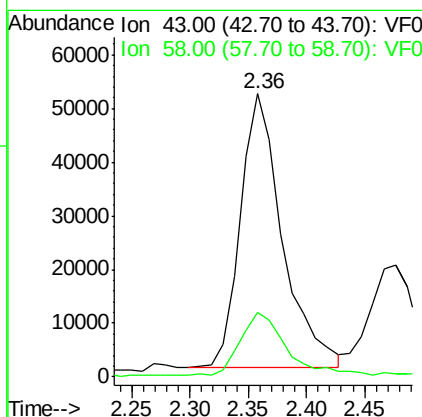
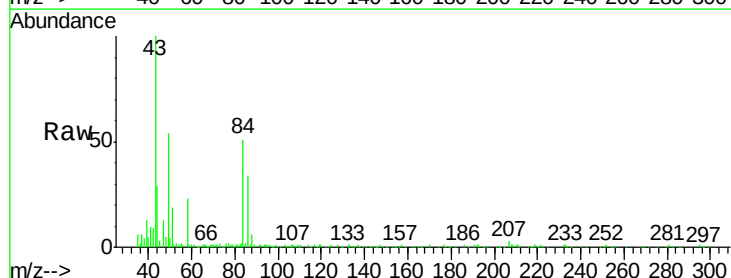
RT: 2.36 min Scan# 185

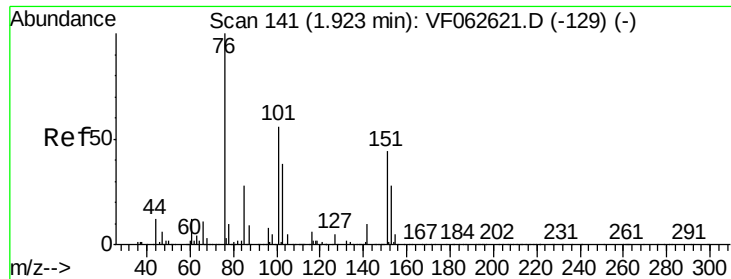
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	43	Resp:	126233
Ion Ratio		Lower	Upper
43	100		
58	23.0	22.6	33.8





#17

Carbon Disulfide

Concen: 8.908 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 76 Resp: 180017

Ion Ratio Lower Upper

76 100

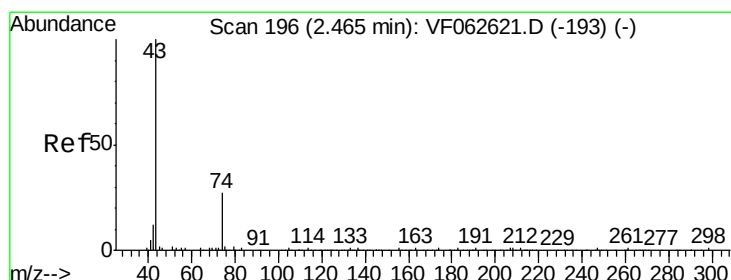
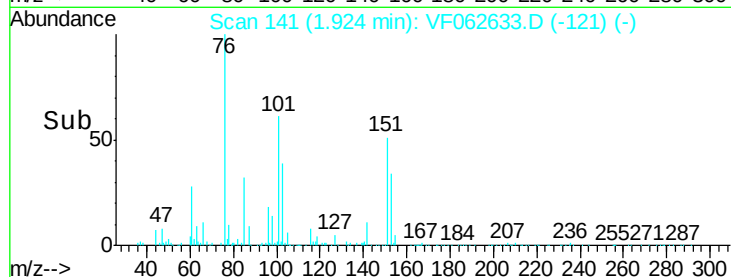
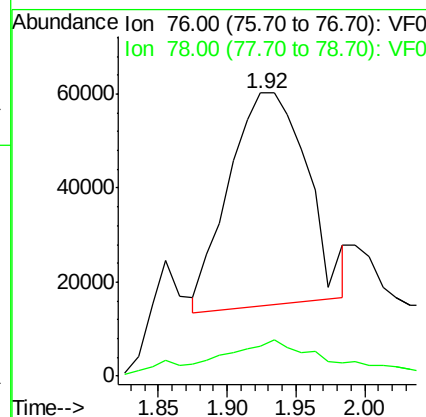
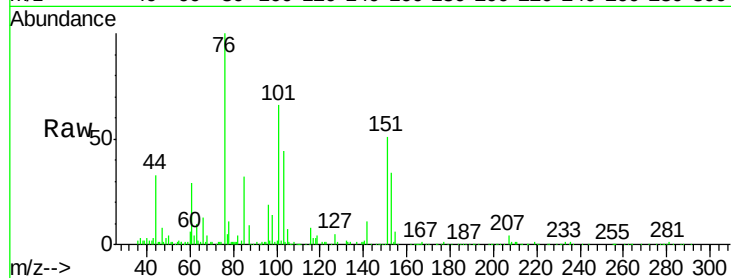
78 10.7 8.4 12.6

Manual Integrations

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#18

Methyl Acetate

Concen: 22.317 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062633.D

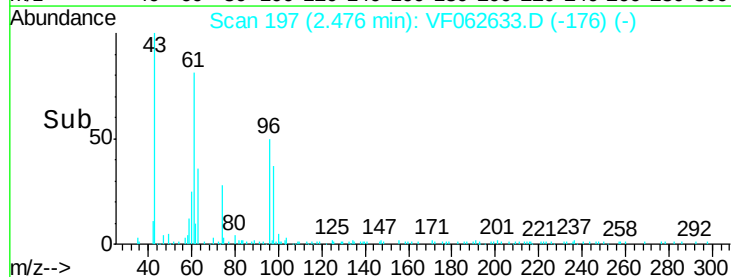
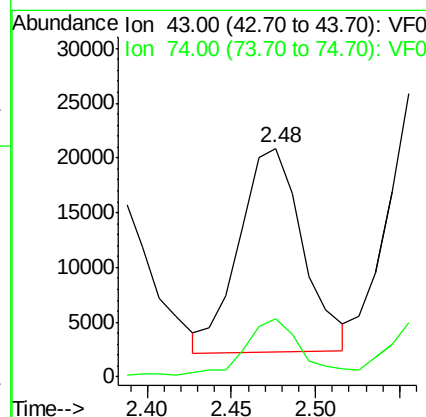
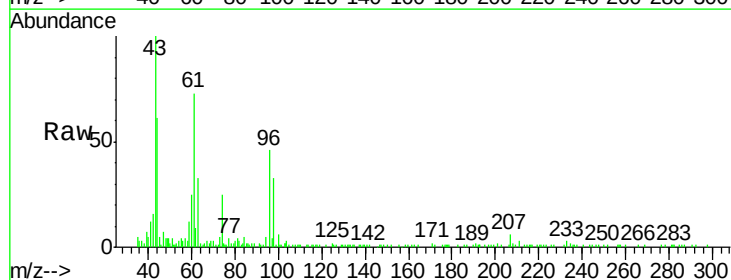
Acq: 17 May 2019 12:17

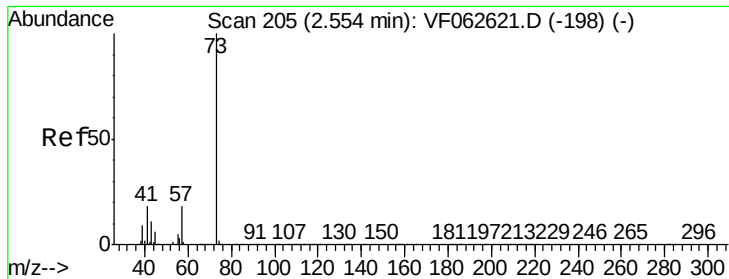
Tgt Ion: 43 Resp: 48794

Ion Ratio Lower Upper

43 100

74 25.2 18.9 28.3





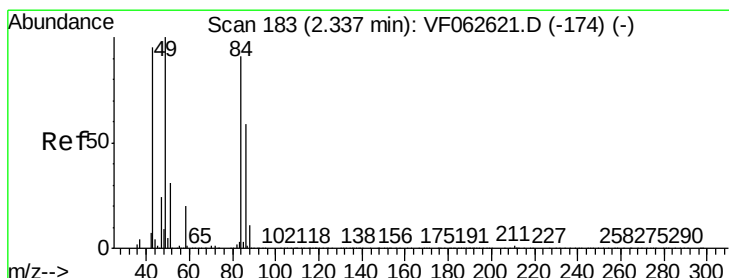
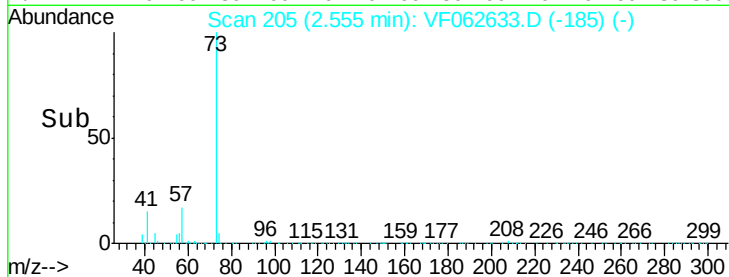
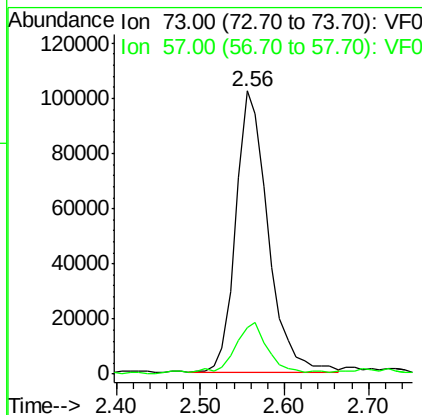
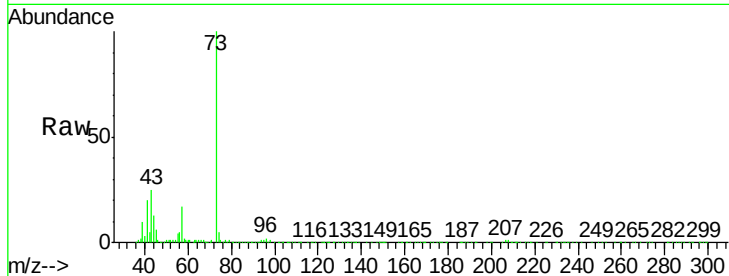
#19
Methyl tert-butyl Ether
Concen: 22.207 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.6	14.2	21.4

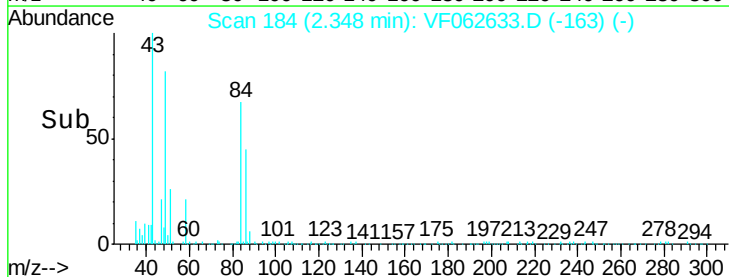
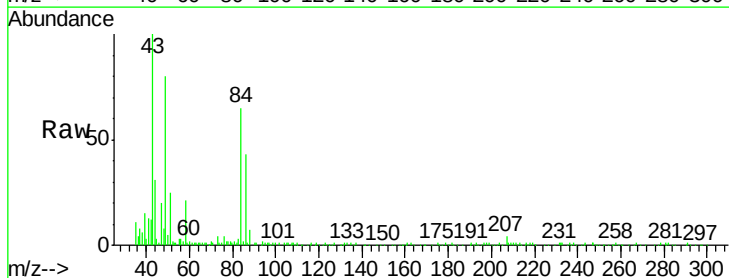
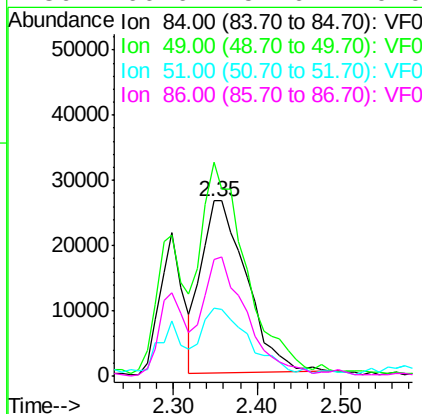
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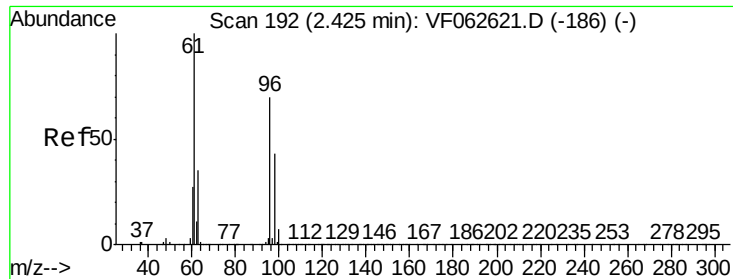
MMDadoda
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#20
Methylene Chloride
Concen: 14.179 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.9	89.8	134.8
51	38.7	28.4	42.6
86	66.6	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.036 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

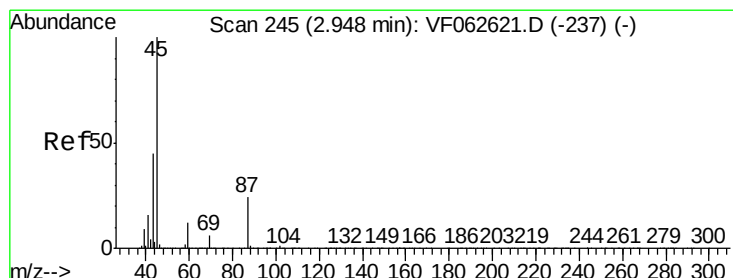
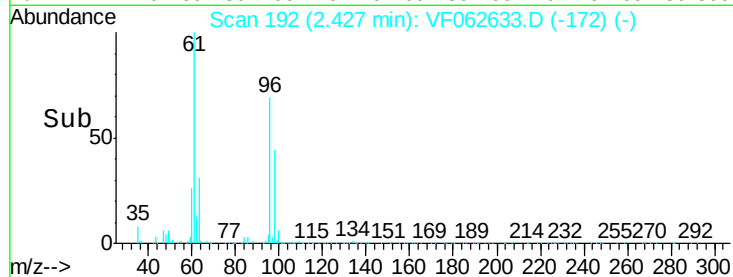
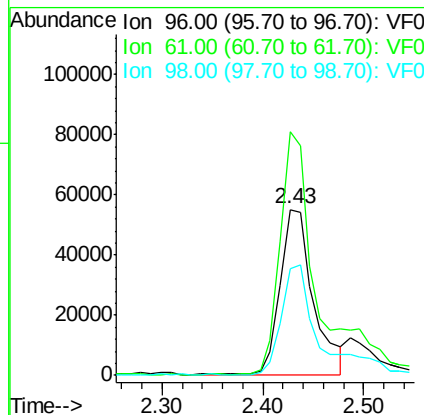
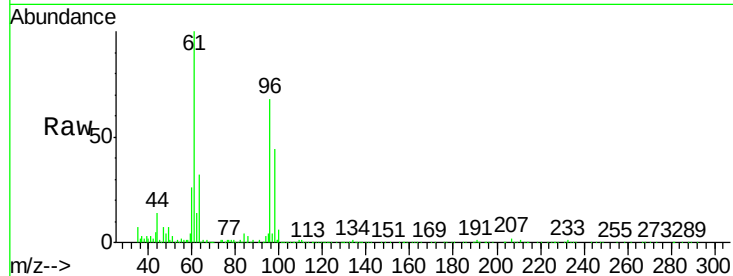
ClientSampleId :

VF0517SBS01

Tot Ion:	96	Resp:	126852
Ion	Ratio	Lower	Upper
96	100		
61	146.6	114.6	171.8
98	64.1	49.5	74.3

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#22

Diisopropyl ether

Concen: 21.277 ug/l

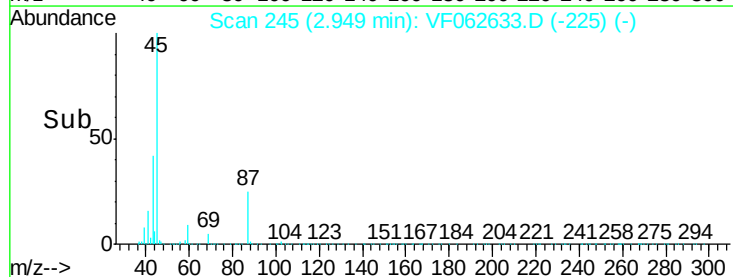
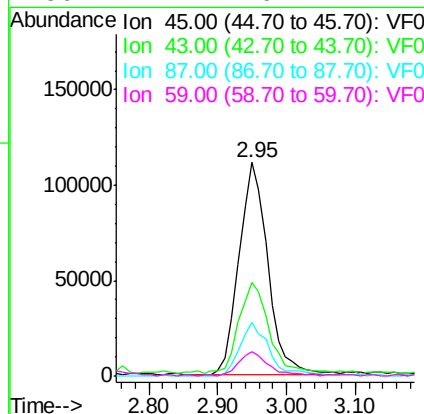
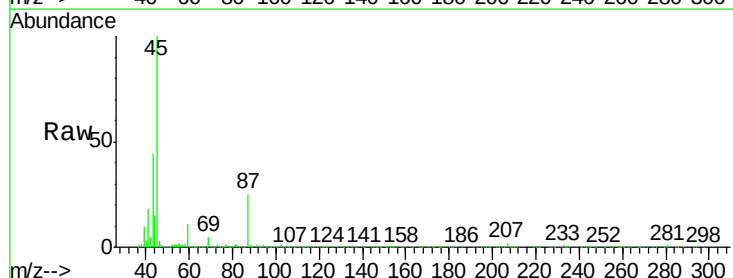
RT: 2.95 min Scan# 245

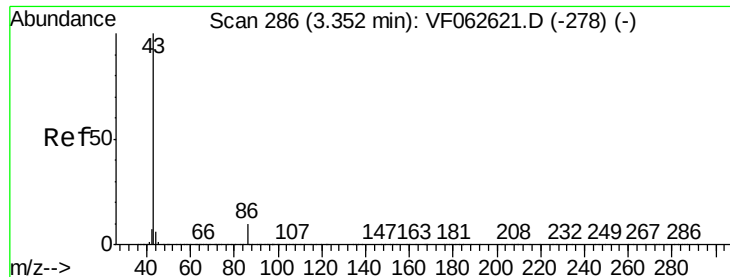
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	45	Resp:	323815
Ion	Ratio	Lower	Upper
45	100		
43	43.8	36.4	54.6
87	25.1	19.3	28.9
59	11.4	9.4	14.2





#23

Vinyl Acetate

Concen: 116.713 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 1198197

Ion Ratio Lower Upper

43 100

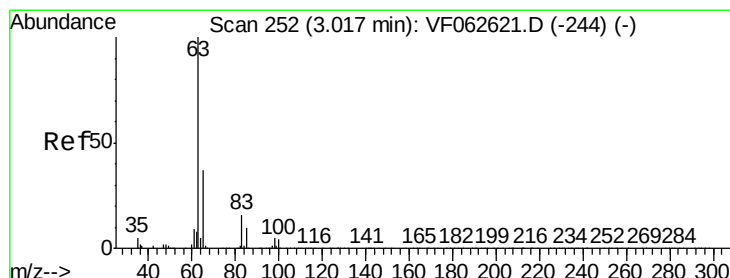
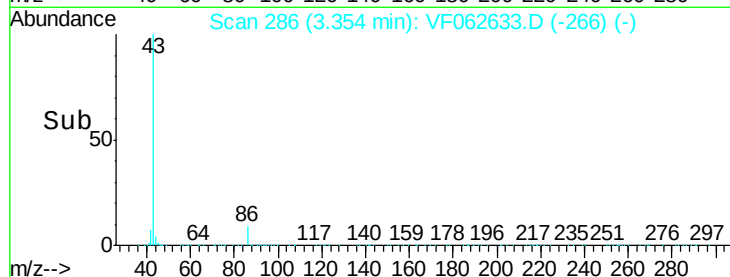
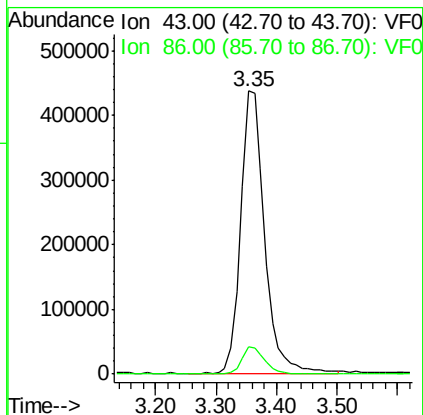
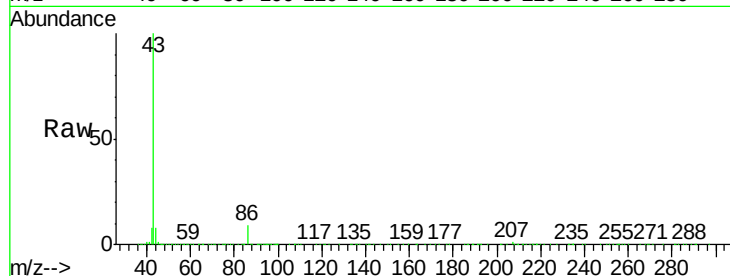
86 9.5 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.126 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

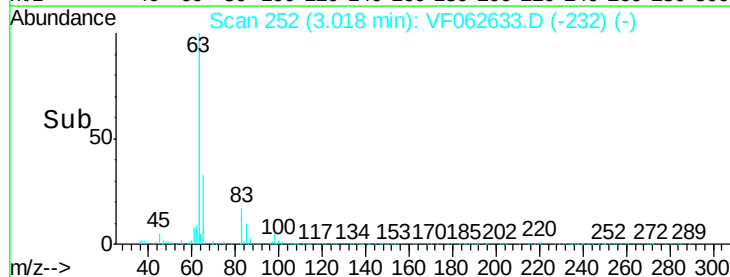
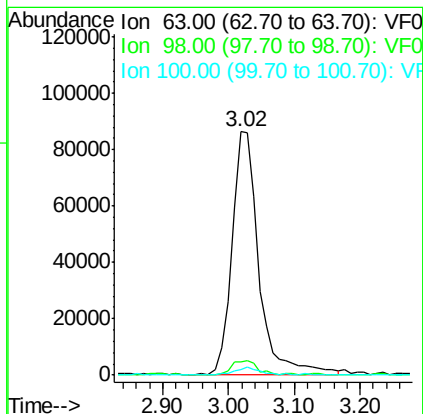
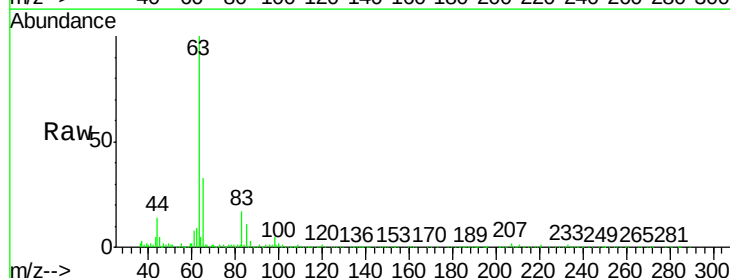
Tgt Ion: 63 Resp: 247025

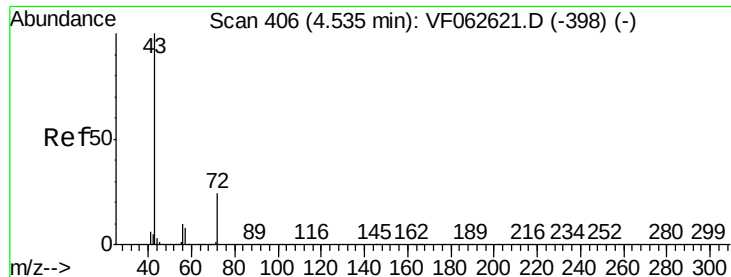
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 2.2 1.9 5.7





#25

2-Butanone

Concen: 107.878 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 320681

Ion Ratio Lower Upper

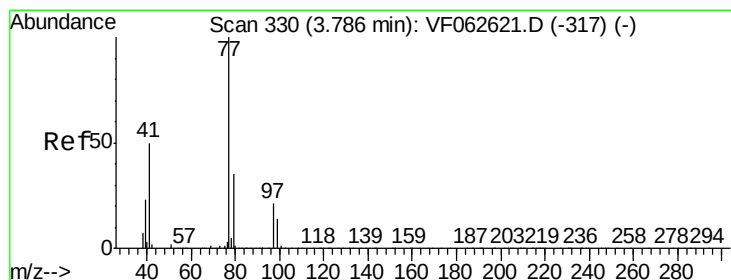
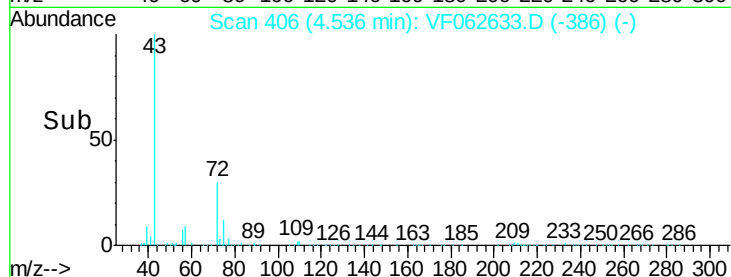
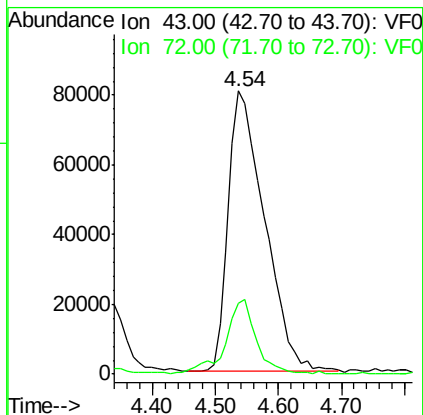
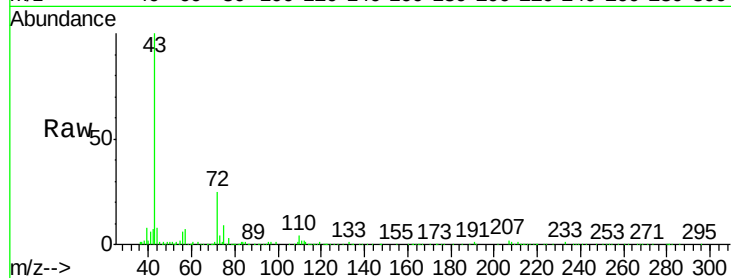
43 100

72 25.0 20.1 30.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 23.022 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062633.D

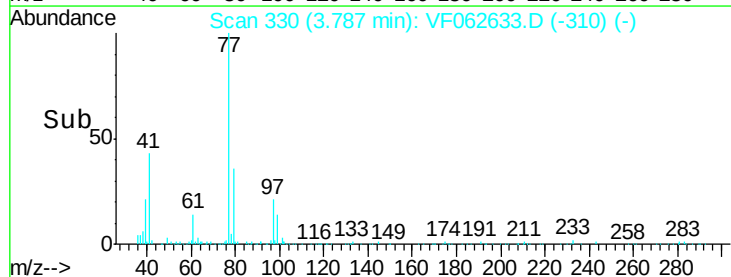
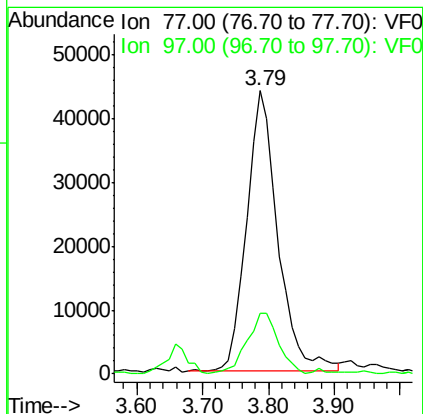
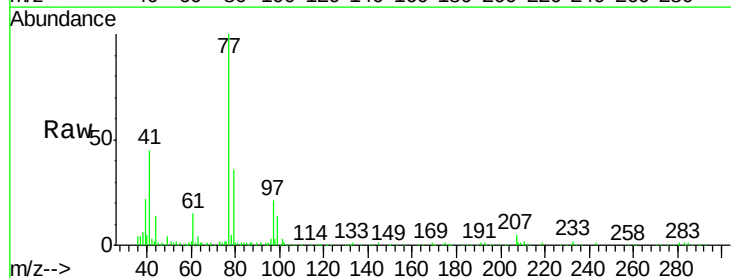
Acq: 17 May 2019 12:17

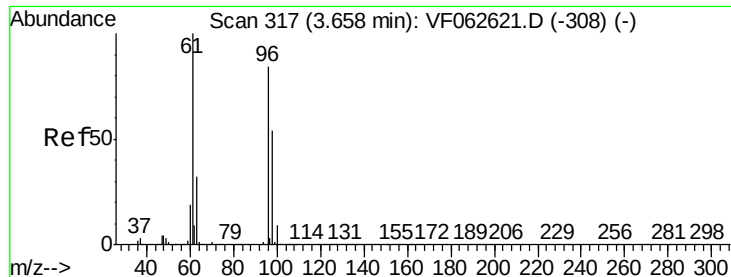
Tgt Ion: 77 Resp: 147064

Ion Ratio Lower Upper

77 100

97 21.4 14.1 42.4





#27

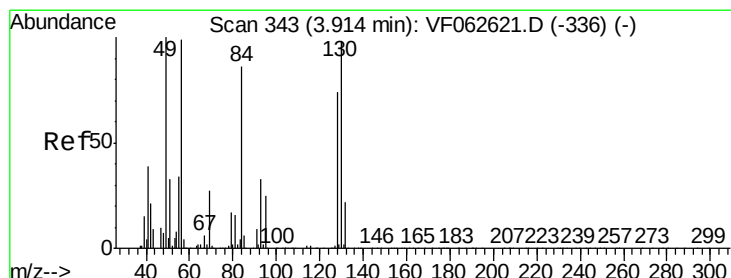
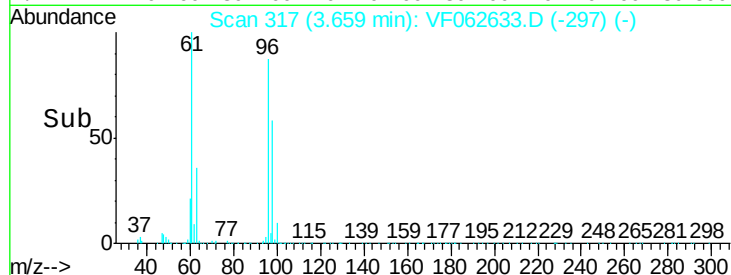
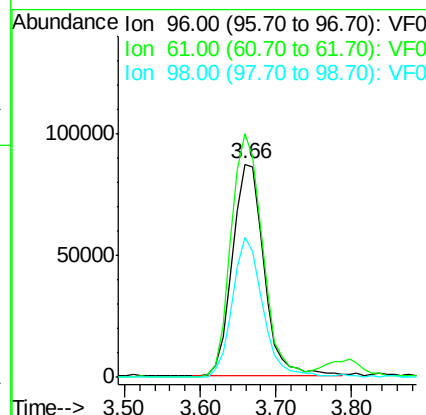
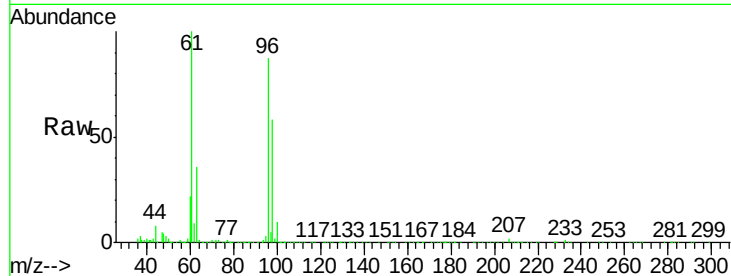
cis-1,2-Dichloroethene
 Concen: 23.055 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion:	96	Resp:	252710
Ion Ratio	Lower	Upper	
96	100		
61	114.4	0.0	237.4
98	66.0	0.0	129.0

Manual Integrations
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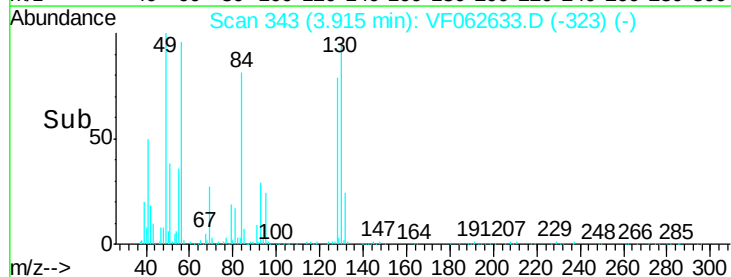
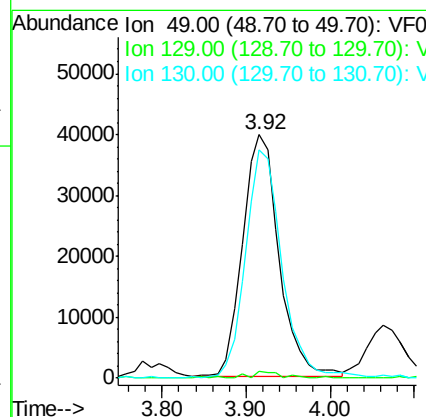
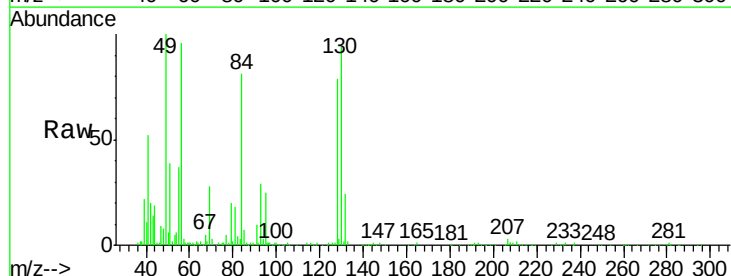
MMDadoda
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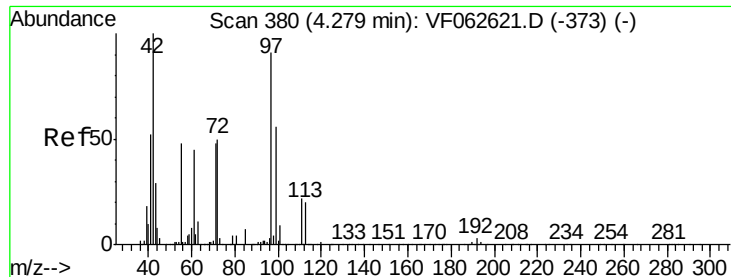


#28

Bromochloromethane
 Concen: 19.178 ug/l
 RT: 3.92 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion:	49	Resp:	120082
Ion Ratio	Lower	Upper	
49	100		
129	3.0	0.0	4.0
130	93.9	77.8	116.8





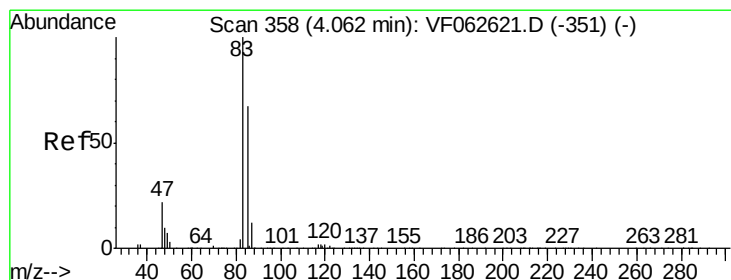
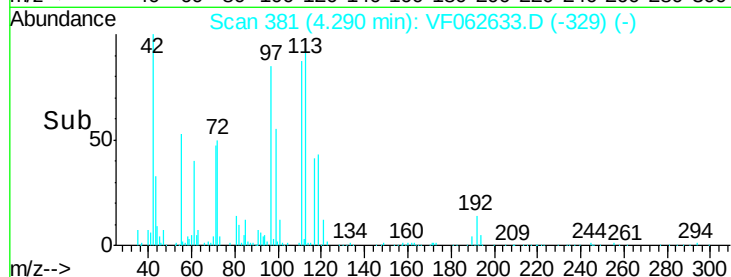
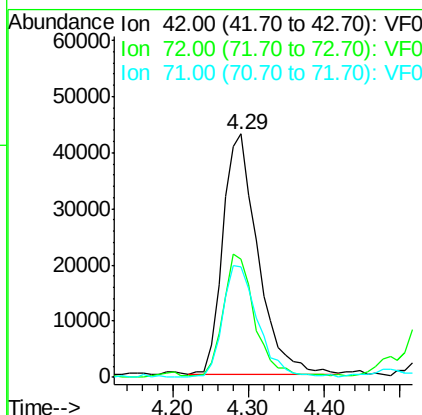
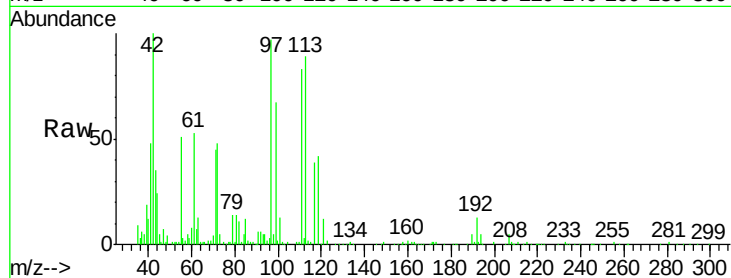
#29
Tetrahydrofuran
Concen: 114.883 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	138194		
72	45.7	38.2	57.2	
71	46.3	35.8	53.6	

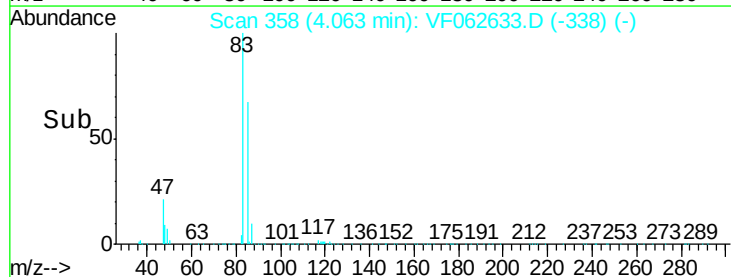
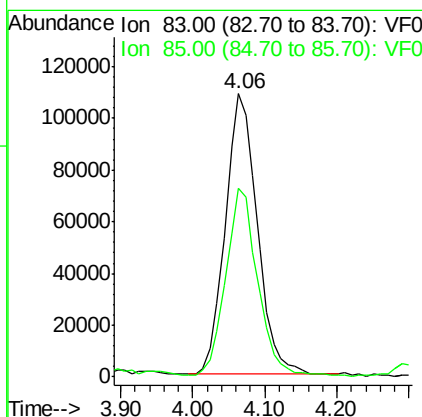
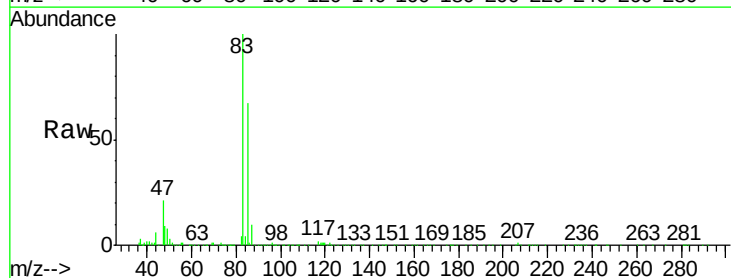
Manual Integrations
APPROVED

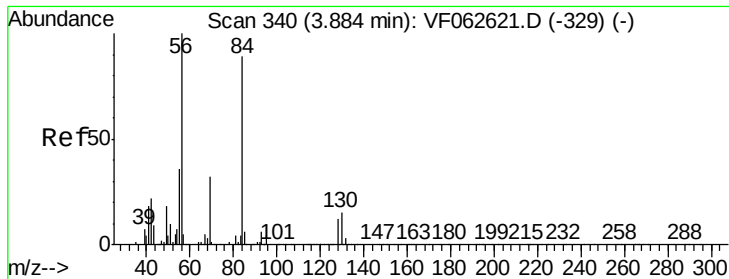
MMDadoda
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#30
Chloroform
Concen: 21.602 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	334855		
85	66.8	53.6	80.4	





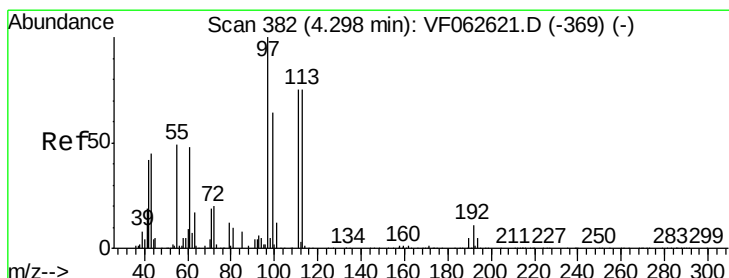
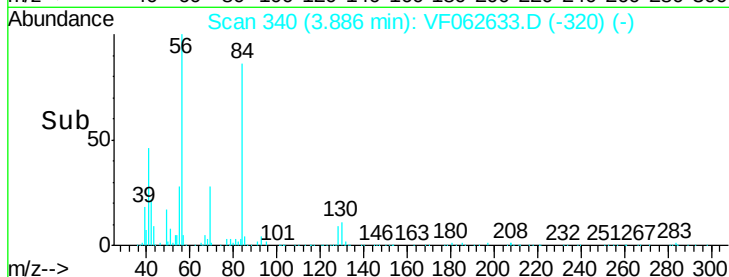
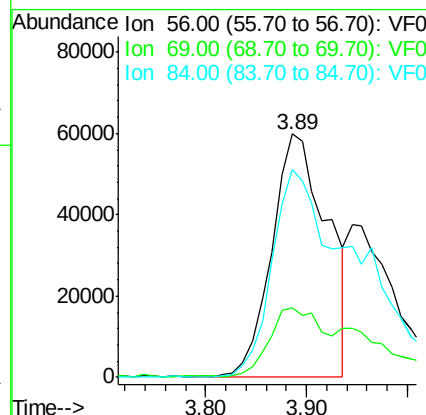
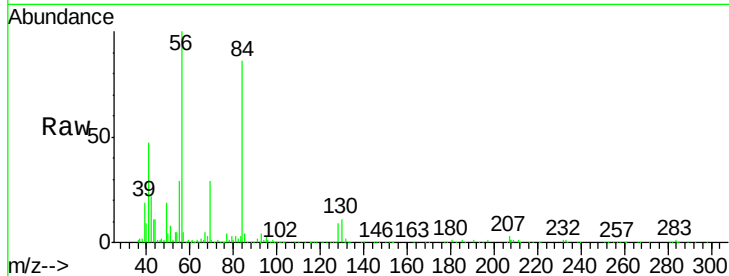
#31
Cyclohexane
Concen: 15.162 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	25.3	37.9
84	85.5	71.0	106.4

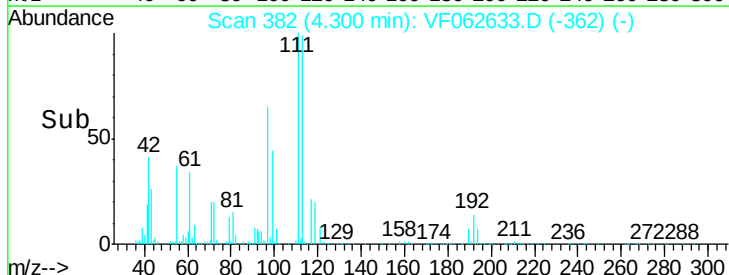
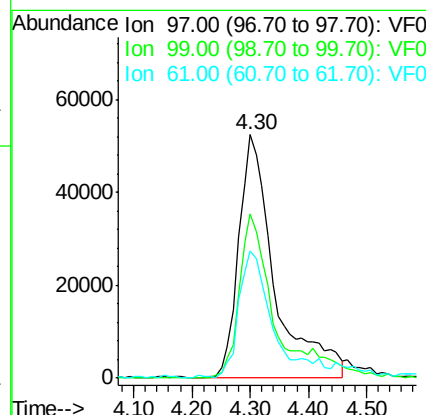
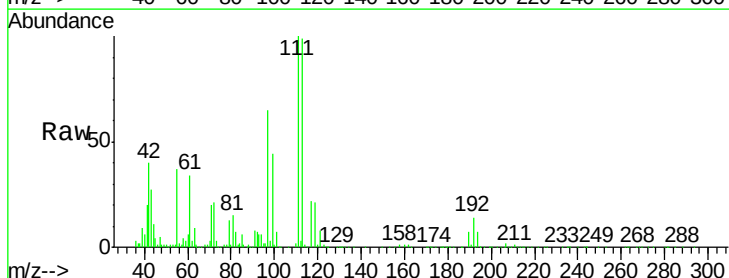
Manual Integrations
APPROVED

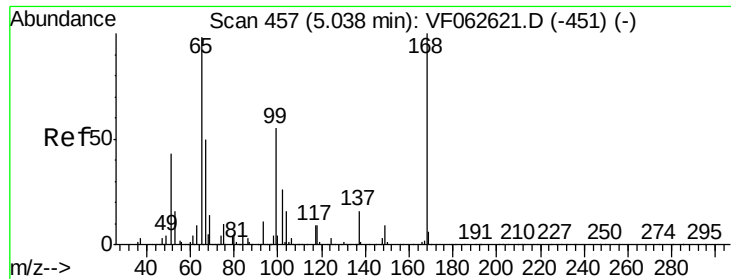
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#32
1,1,1-Trichloroethane
Concen: 21.948 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.7	51.3	76.9
61	52.5	38.2	57.2





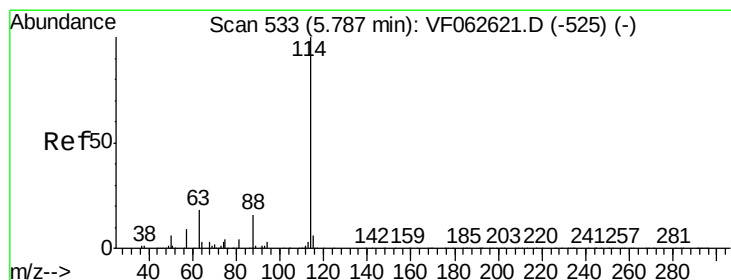
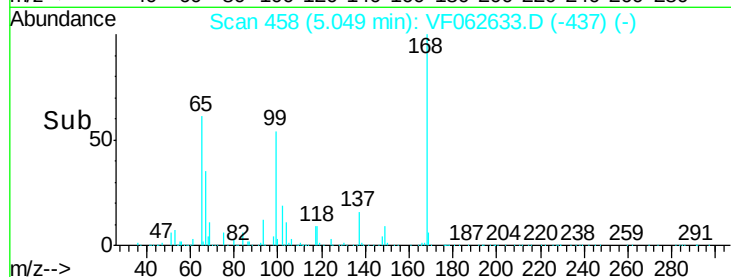
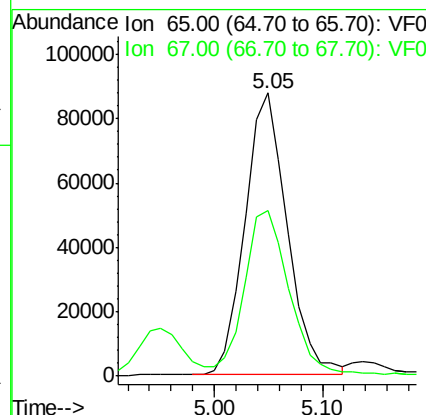
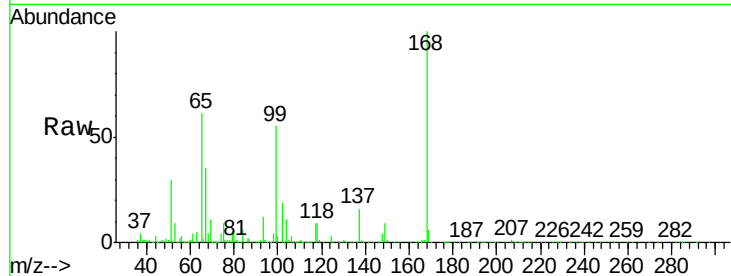
#33
 1,2-Dichloroethane-d4
 Concen: 44.423 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	238246		
67	58.4	0.0	117.6	

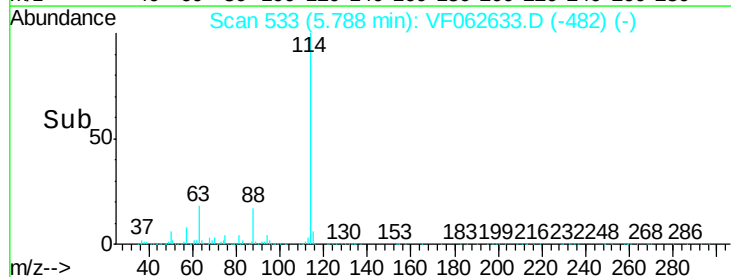
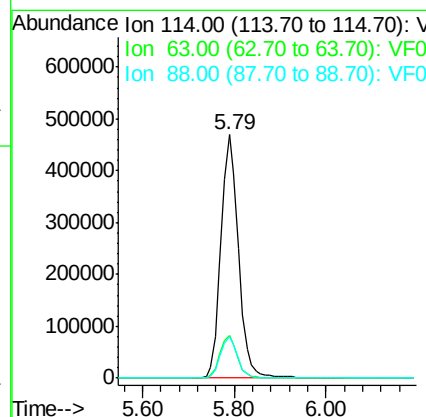
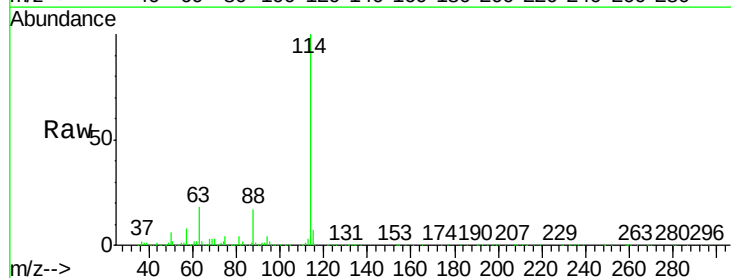
Manual Integrations
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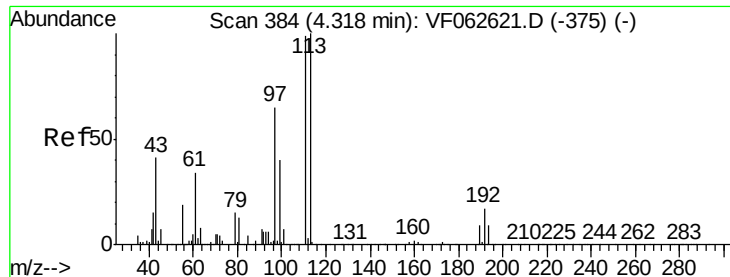
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1235647		
63	17.6	0.0	35.4	
88	16.8	0.0	32.4	





#35

Dibromofluoromethane

Concen: 47.484 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

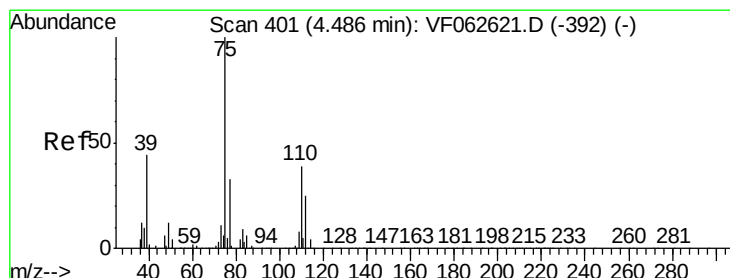
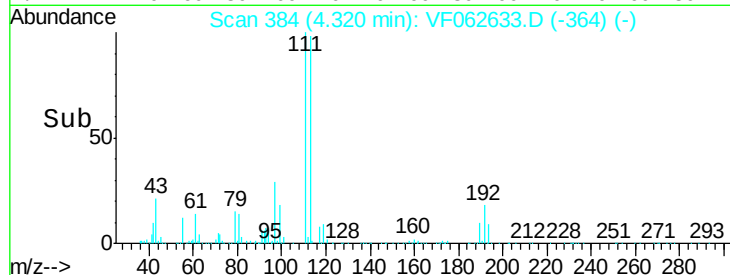
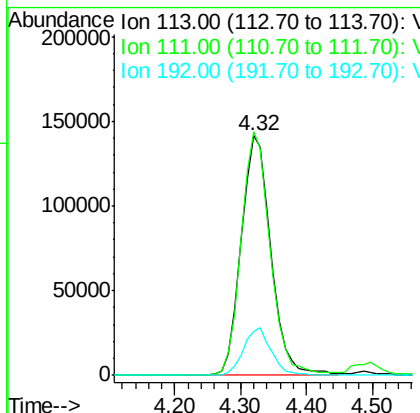
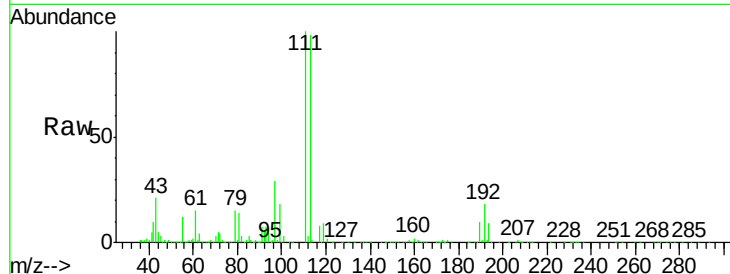
ClientSampleId :

VF0517SBS01

Tot Ion:	113	Resp:	448970
Ion Ratio	Lower	Upper	
113	100		
111	101.6	79.4	119.2
192	18.4	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.747 ug/l

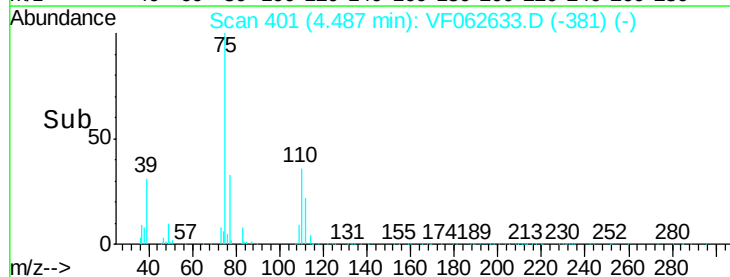
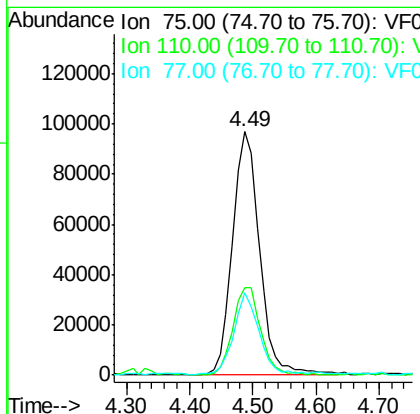
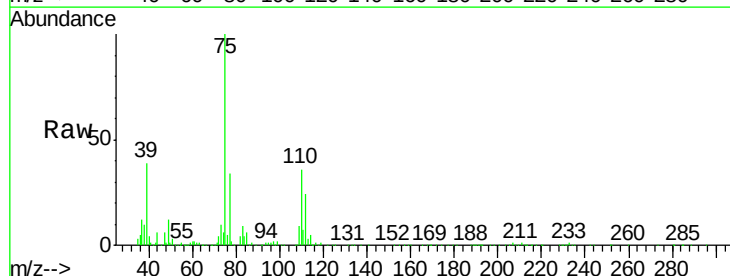
RT: 4.49 min Scan# 401

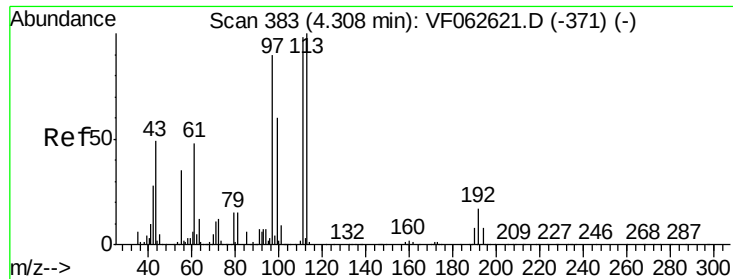
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	75	Resp:	288007
Ion Ratio	Lower	Upper	
75	100		
110	36.1	19.7	59.1
77	33.8	26.3	39.5





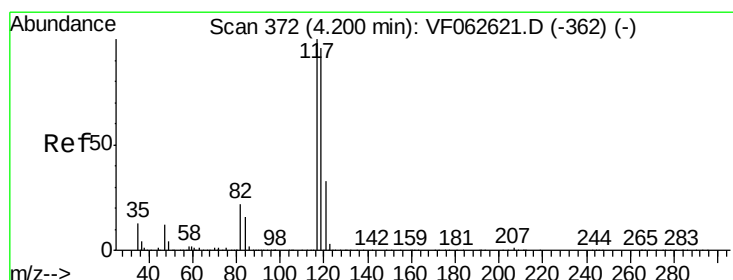
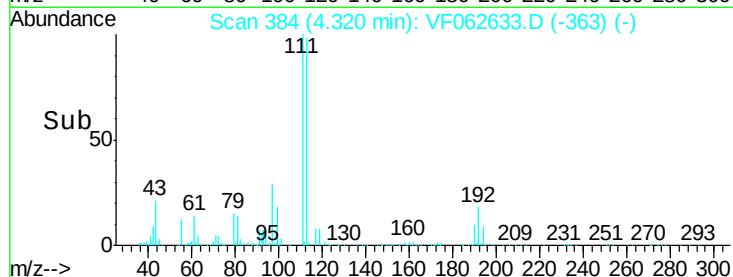
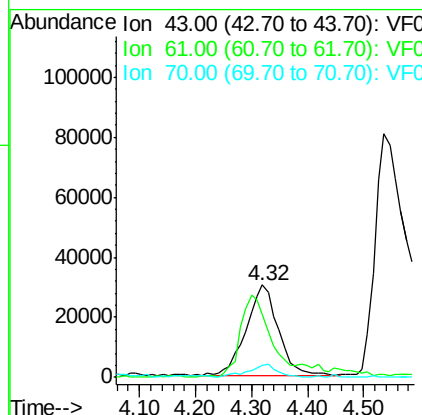
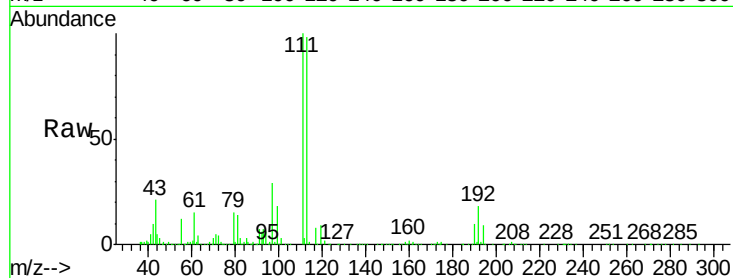
#37
Ethyl Acetate
Concen: 23.198 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
119928	100	68.0	12.3			
		76.9	8.8			
		115.3	13.2			

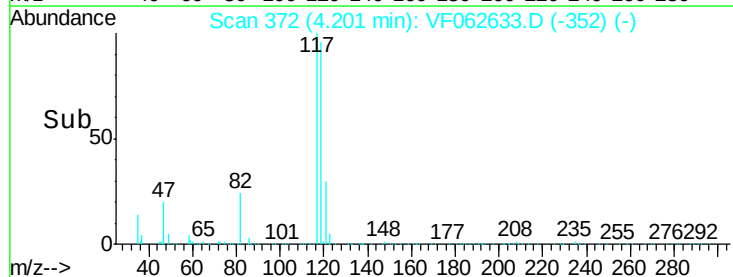
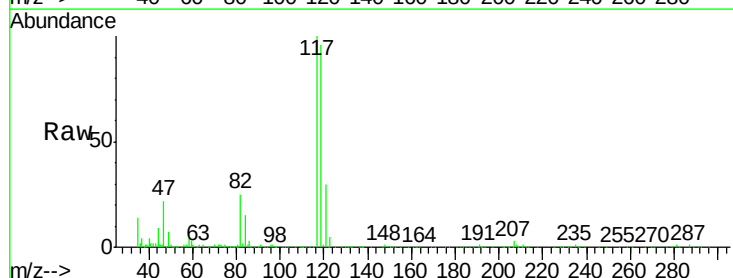
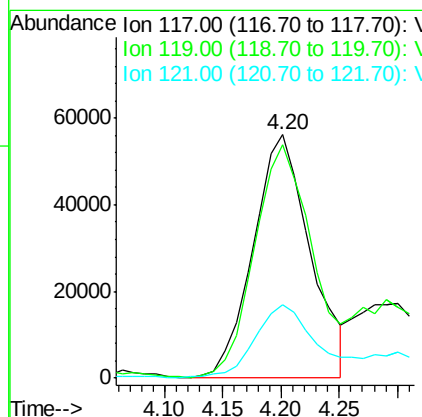
Manual Integrations
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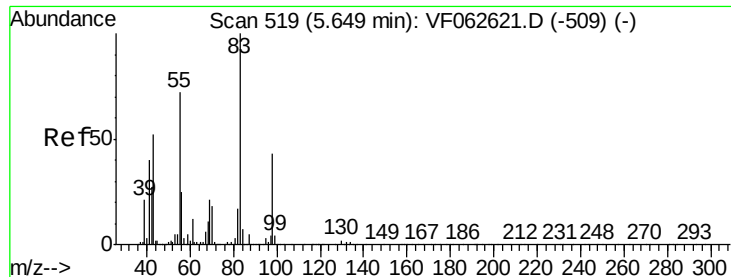
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#38
Carbon Tetrachloride
Concen: 19.946 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	117	119	121	Ratio	Lower	Upper
189934	100	95.6	30.0			
		76.7	26.6			
		115.1	40.0			





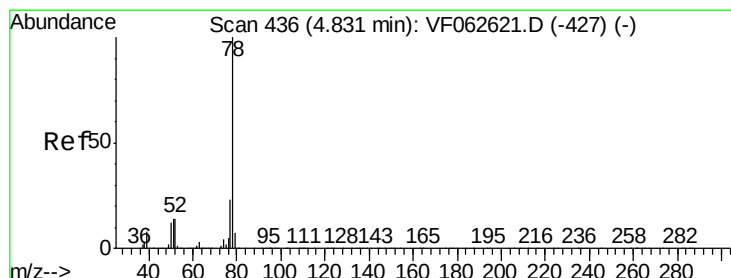
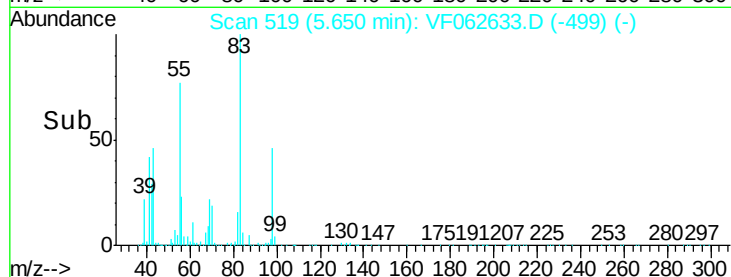
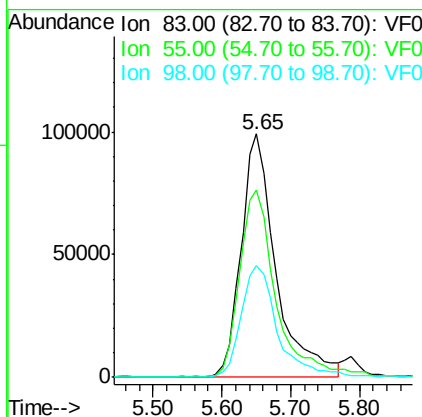
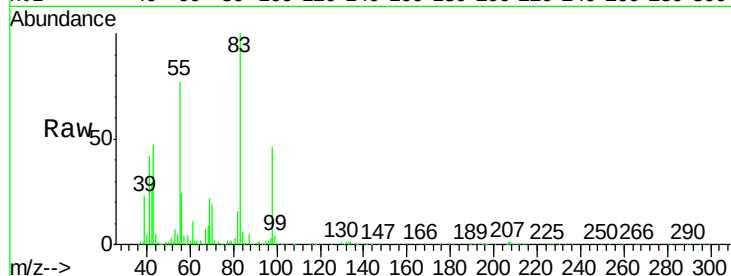
#39
Methylvlcyclohexane
Concen: 22.948 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	349618		
55	77.1	57.9	86.9	
98	45.7	34.6	52.0	

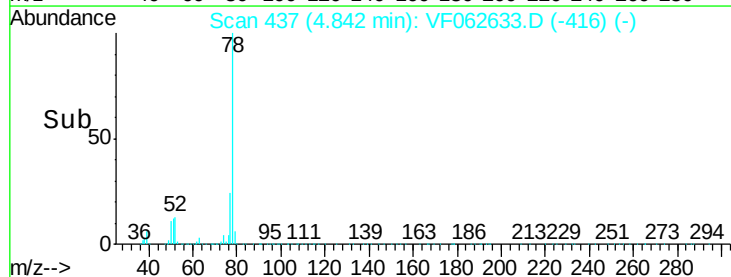
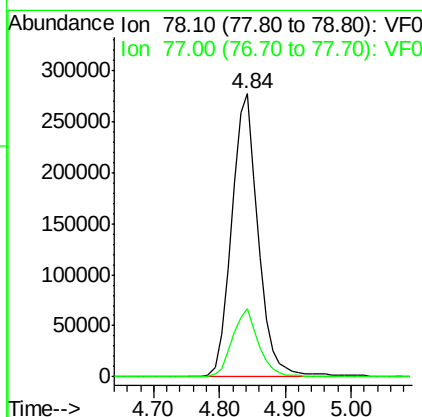
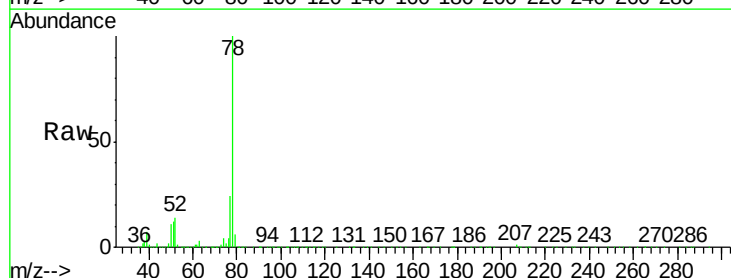
Manual Integrations
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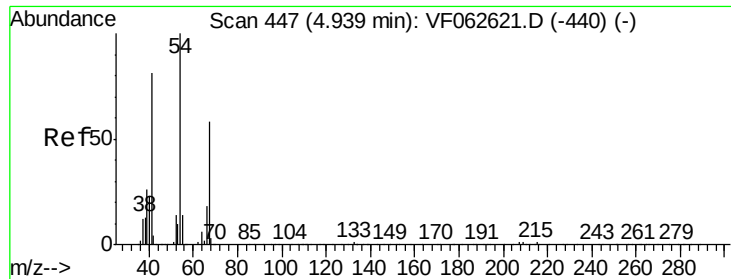
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#40
Benzene
Concen: 22.667 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	781855		
77	24.0	18.2	27.2	





#41

Methacrylonitrile

Concen: 22.761 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

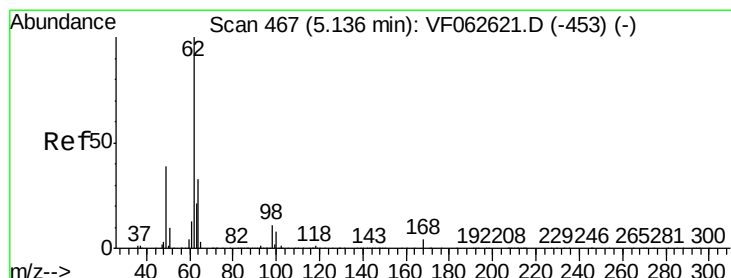
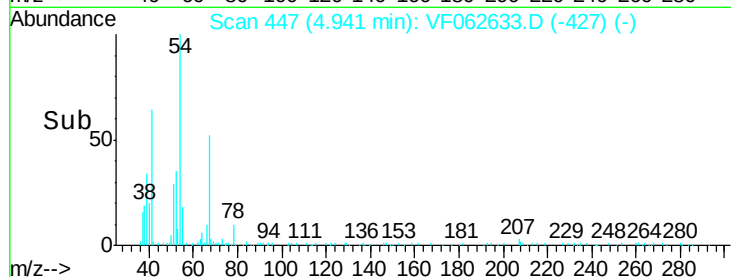
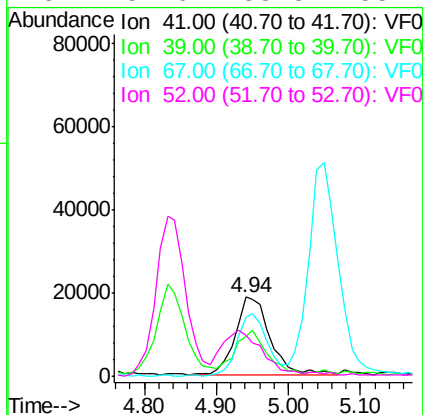
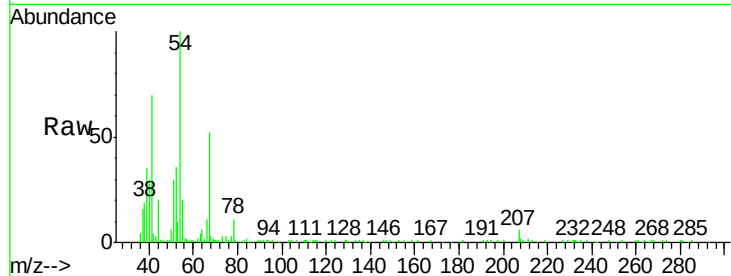
ClientSampleId :

VF0517SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.8	42.2	63.2	
67	74.8	56.4	84.6	
52	51.6	38.8	58.2	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.229 ug/l

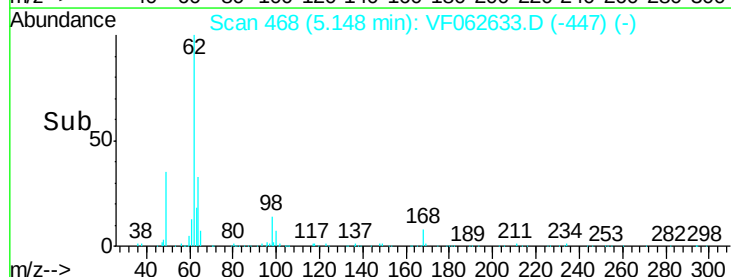
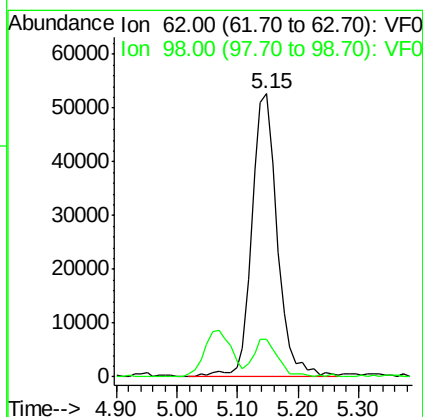
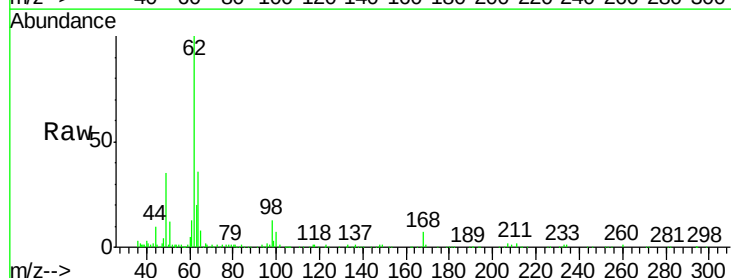
RT: 5.15 min Scan# 468

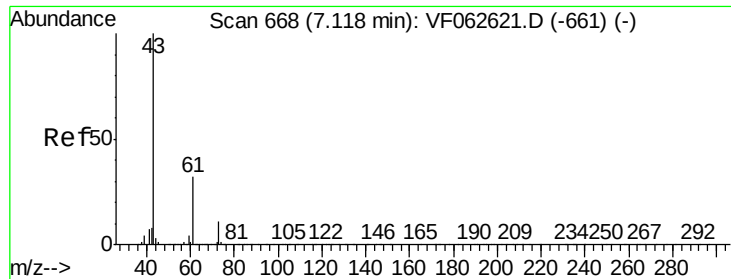
Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	13.4	0.0	21.6	





#43

Isopropyl Acetate

Concen: 20.667 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

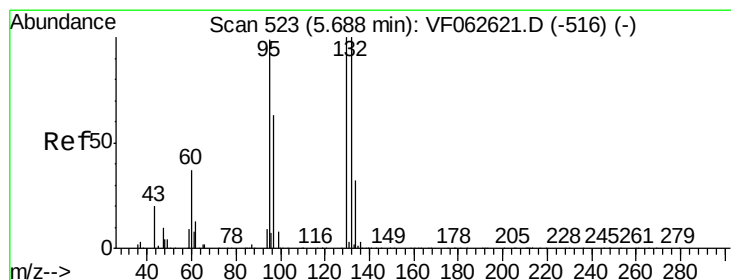
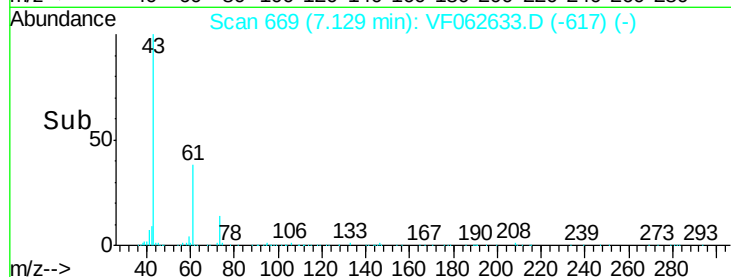
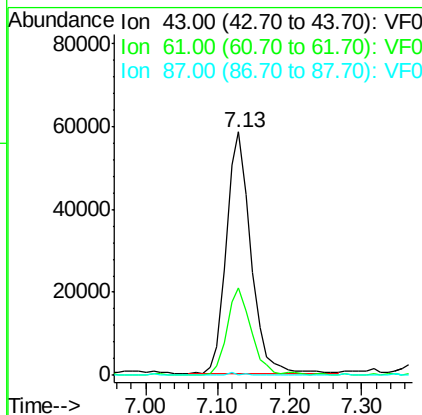
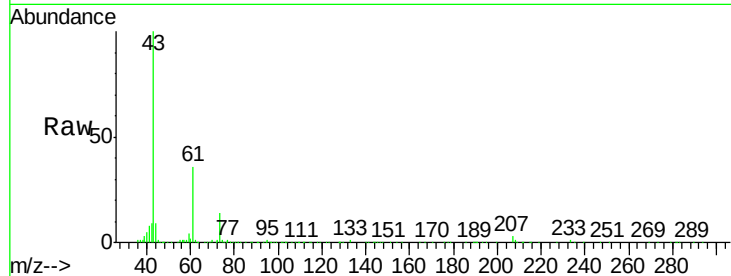
ClientSampleId :

VF0517SBS01

Tot Ion:	43	Resp:	138416
Ion	Ratio	Lower	Upper
43	100		
61	36.1	25.8	38.8
87	0.4	0.4	0.6

Manual Integrations
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#44

Trichloroethene

Concen: 22.769 ug/l

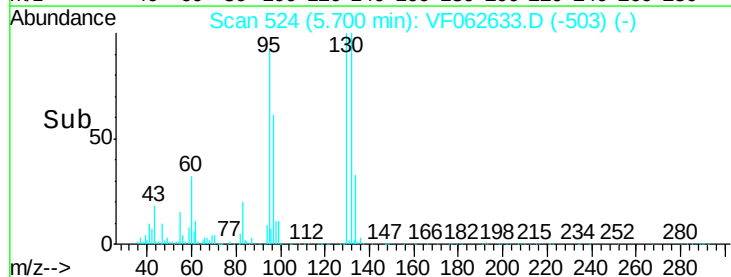
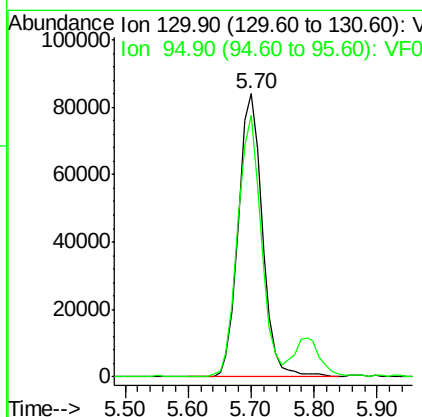
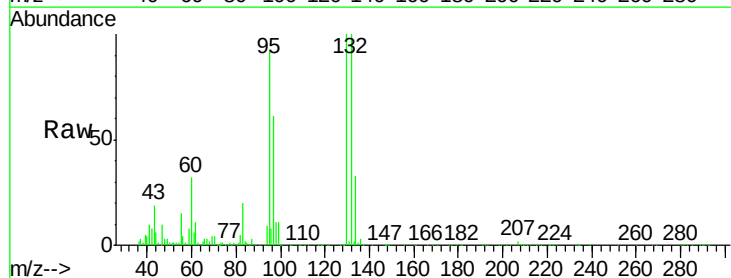
RT: 5.70 min Scan# 524

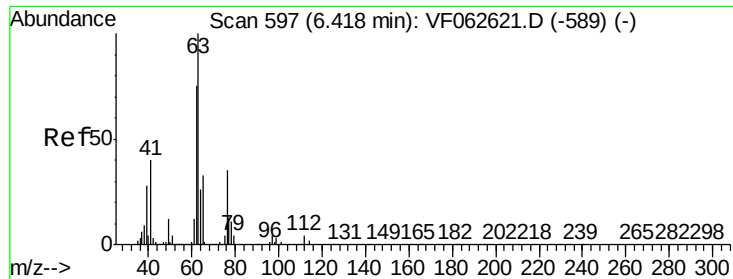
Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	130	Resp:	220731
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	199.4





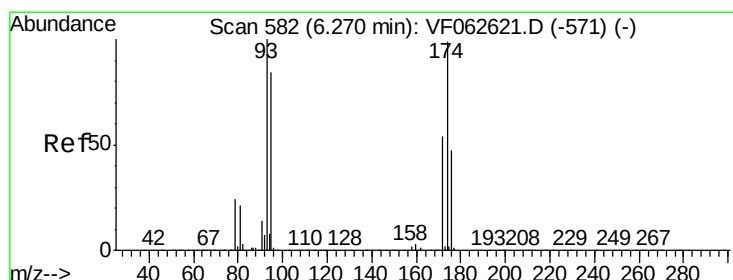
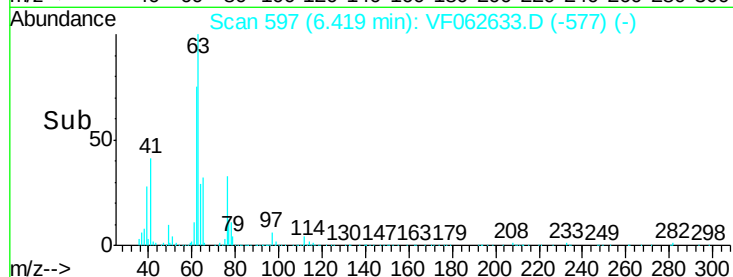
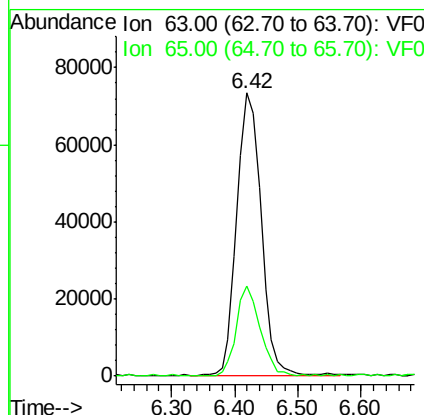
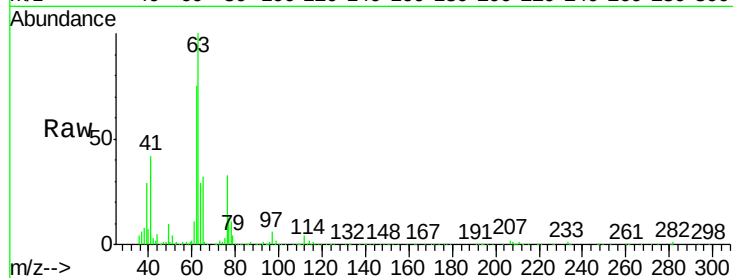
#45
 1,2-Dichloropropane
 Concen: 22.824 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	26.3	39.5

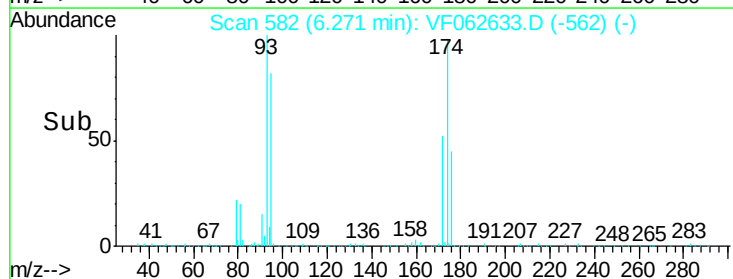
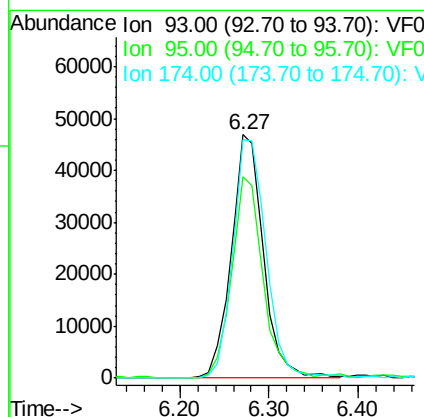
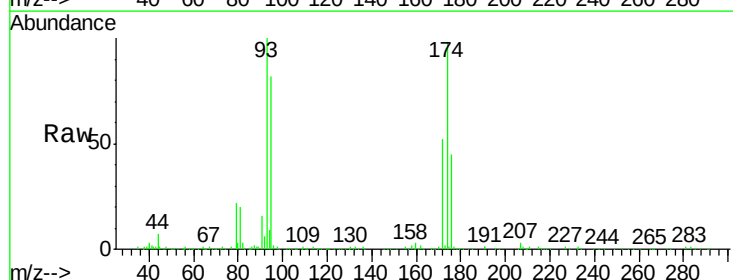
Manual Integrations
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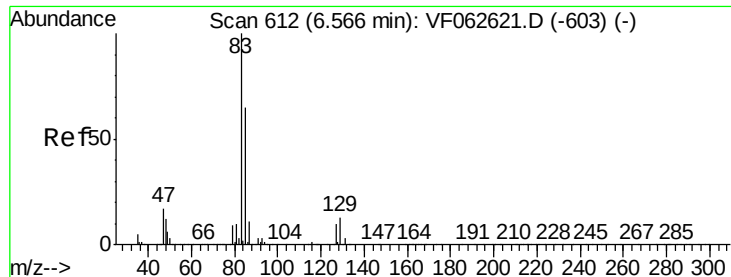
MMDadoda
 5/20/2019 2:51:56 PM



#46
 Dibromomethane
 Concen: 23.465 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	67.4	101.2
174	97.9	79.4	119.2





#47

Bromodichloromethane

Concen: 22.515 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

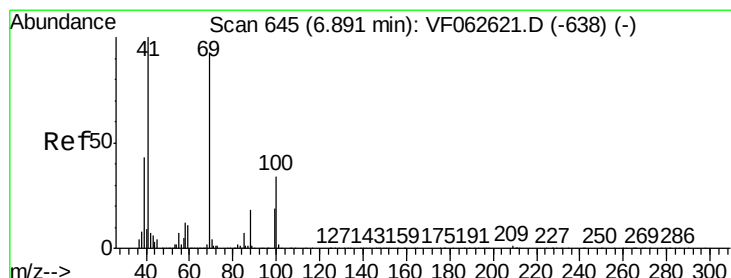
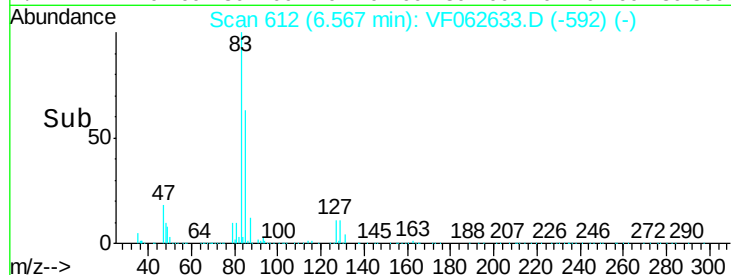
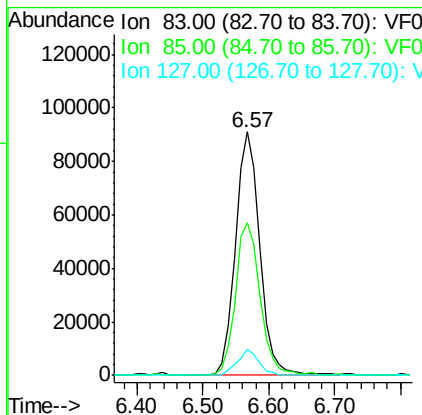
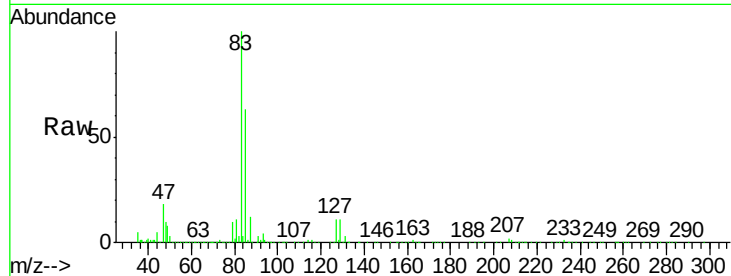
ClientSampleId :

VF0517SBS01

Tot Ion:	83	Resp:	235217
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.0	78.0
127	10.9	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.221 ug/l

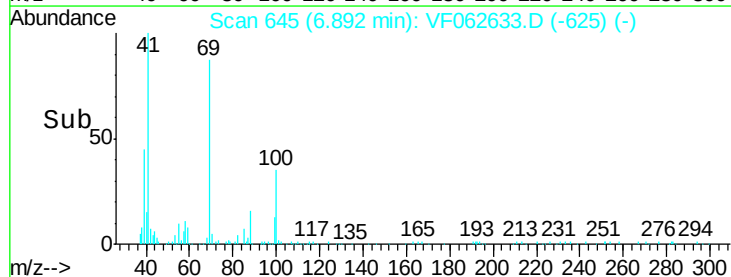
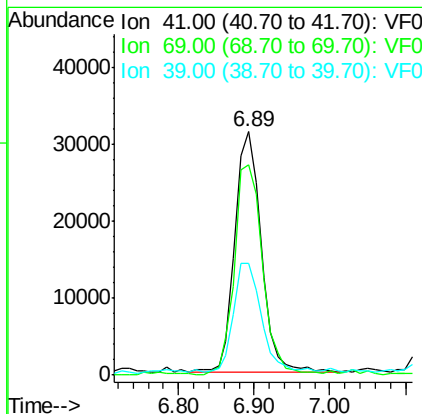
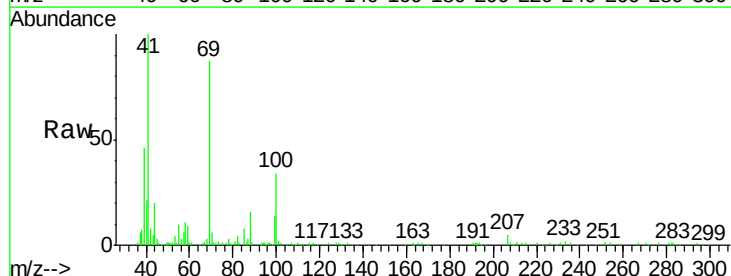
RT: 6.89 min Scan# 645

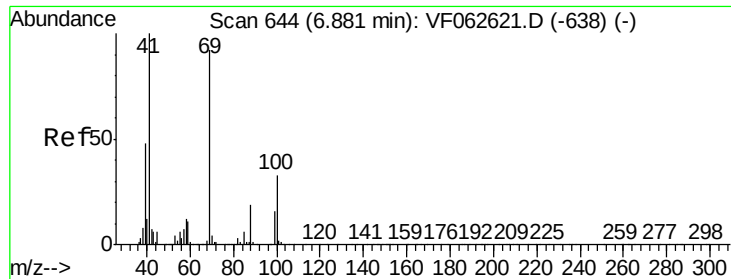
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	41	Resp:	74288
Ion Ratio	Lower	Upper	
41	100		
69	86.6	74.2	111.2
39	45.9	34.2	51.4





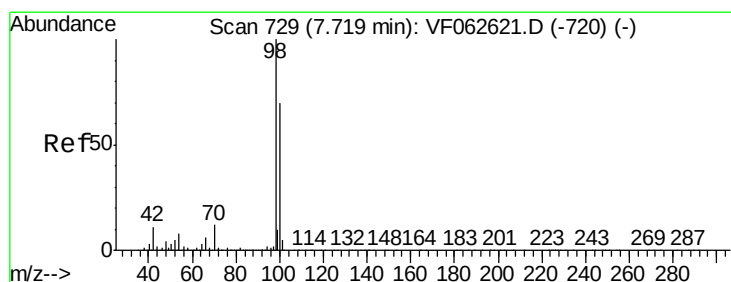
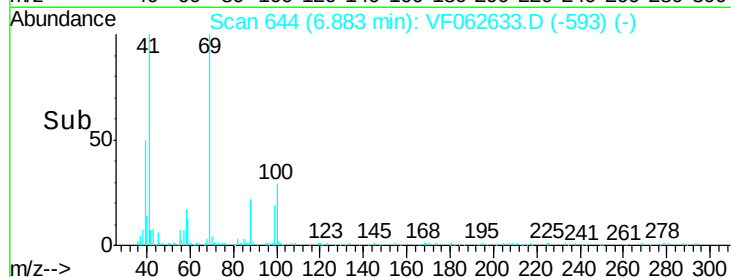
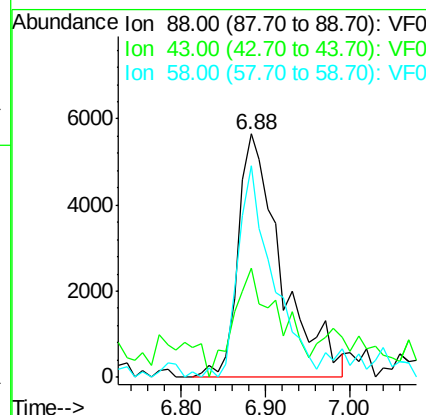
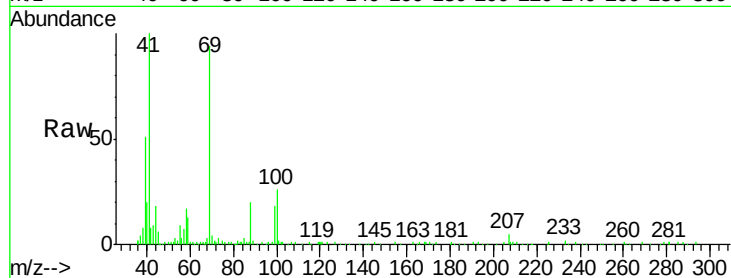
#49
1,4-Dioxane
Concen: 453.644 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	45.1	30.0	45.0#	
58	87.1	51.1	76.7#	

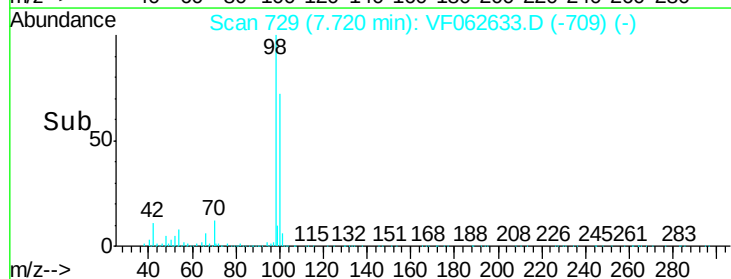
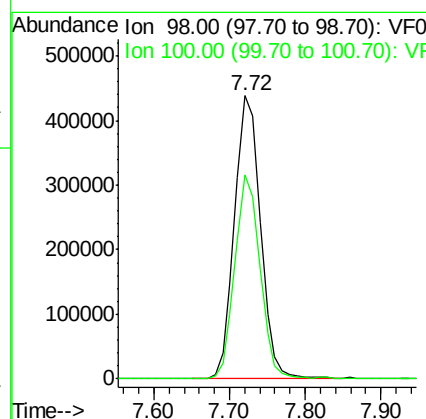
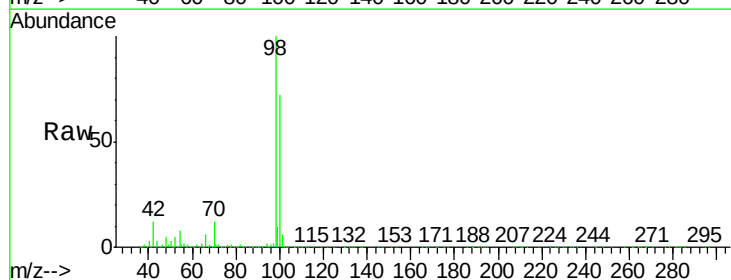
Manual Integrations
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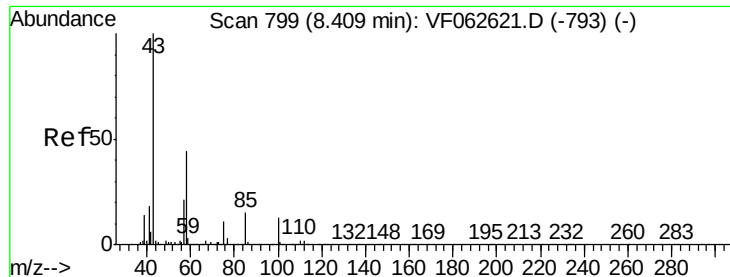
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#50
Toluene-d8
Concen: 46.268 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	72.2	56.2	84.2	





#51

4-Methyl-2-Pentanone

Concen: 113.258 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 518501

Ion Ratio Lower Upper

43 100

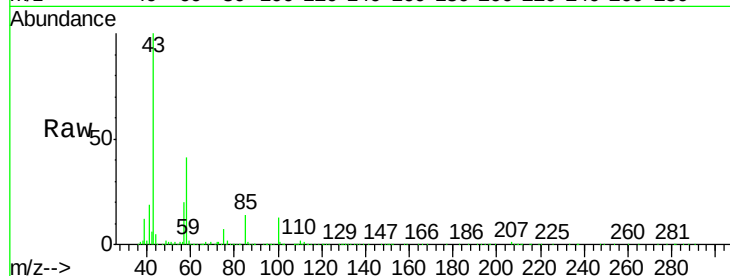
58 40.7 34.9 52.3

Manual Integrations

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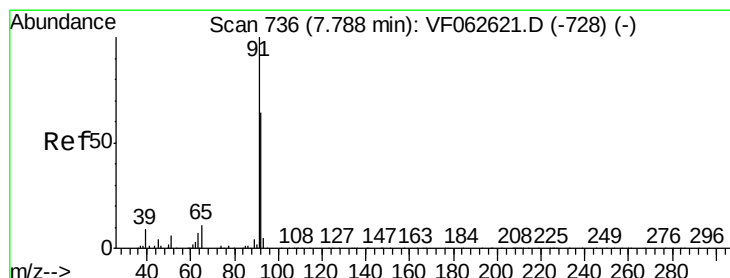
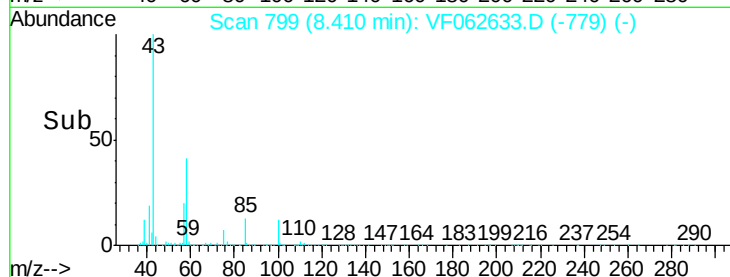
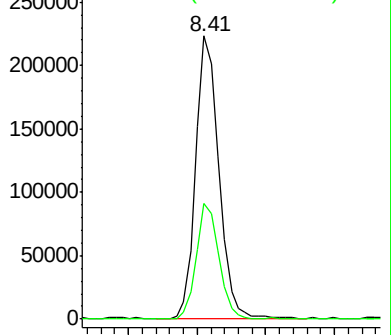
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.963 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062633.D

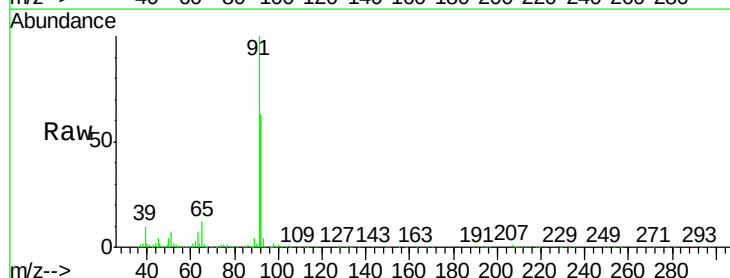
Acq: 17 May 2019 12:17

Tgt Ion: 92 Resp: 415405

Ion Ratio Lower Upper

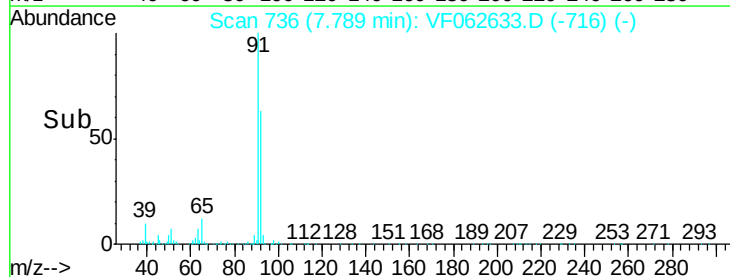
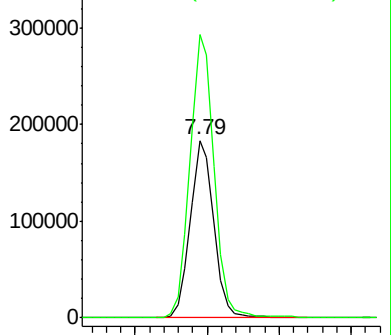
92 100

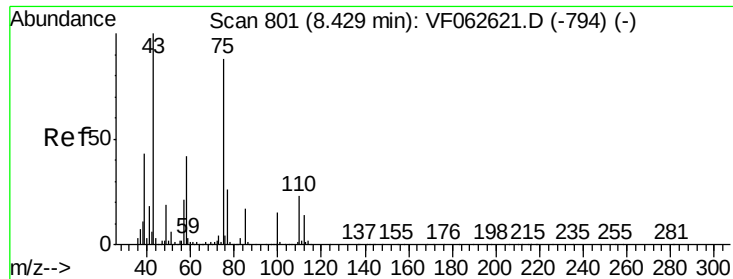
91 159.5 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.821 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 75 Resp: 186502

Ion Ratio Lower Upper

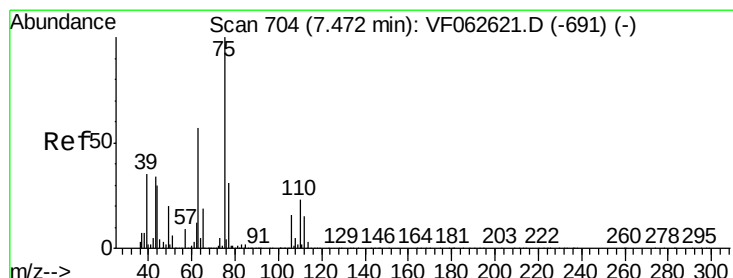
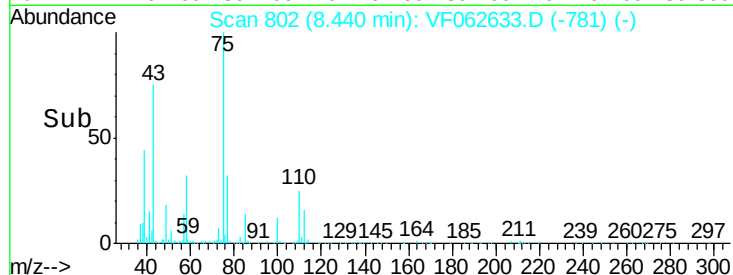
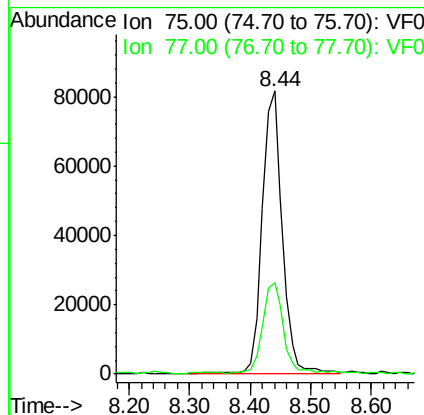
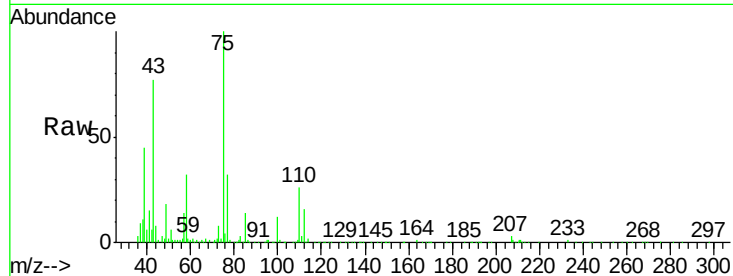
75 100

77 32.1 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 23.006 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

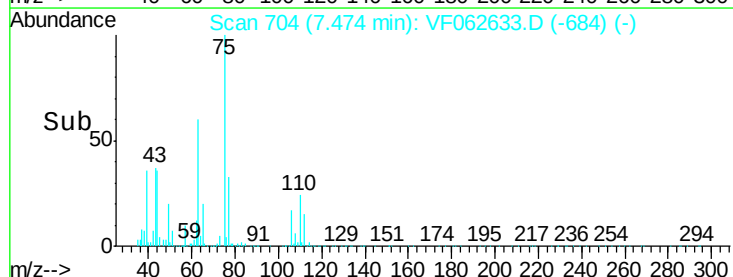
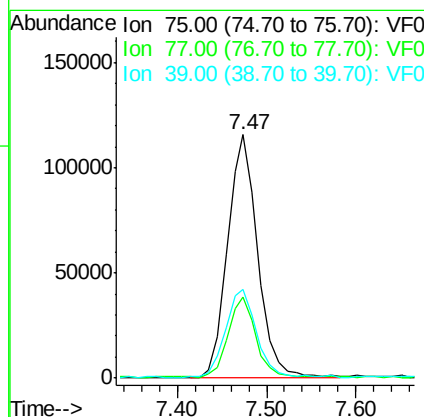
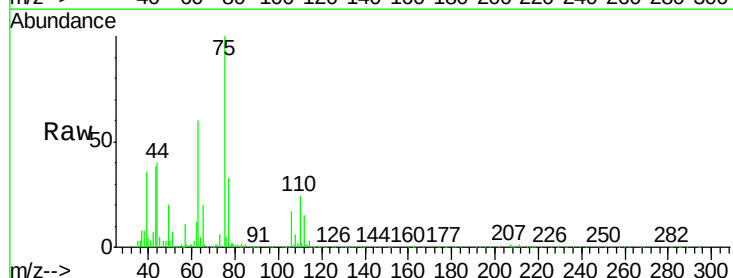
Tgt Ion: 75 Resp: 275252

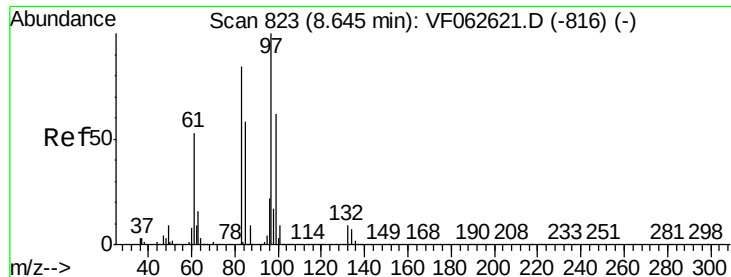
Ion Ratio Lower Upper

75 100

77 33.2 25.3 37.9

39 36.4 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 22.060 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

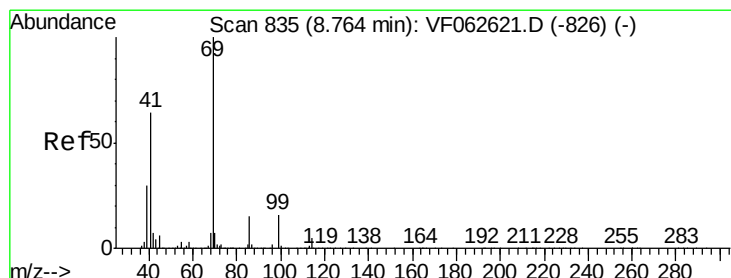
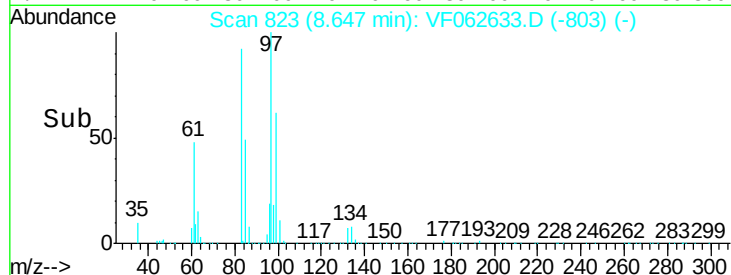
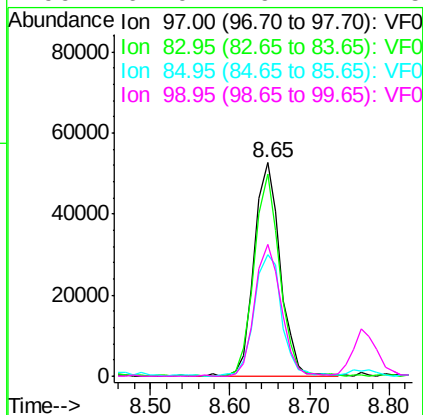
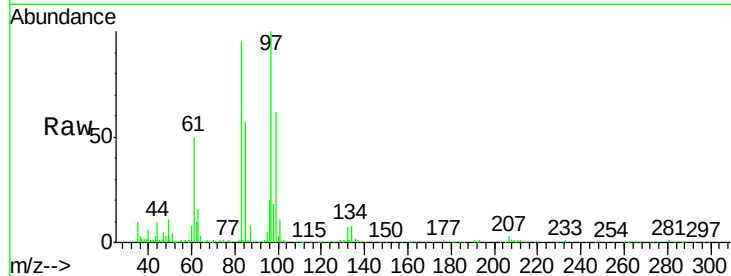
ClientSampleId :

VF0517SBS01

Tot Ion:	97	Resp:	118159
Ion	Ratio	Lower	Upper
97	100		
83	94.7	67.3	100.9
85	57.0	46.6	69.8
99	62.0	49.7	74.5

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#56

Ethyl methacrylate

Concen: 22.154 ug/l

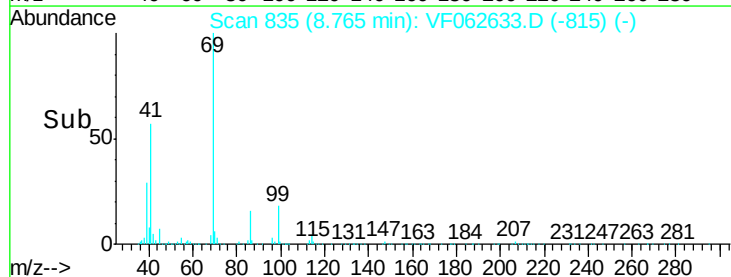
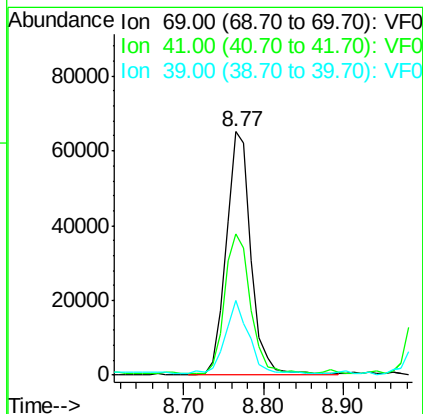
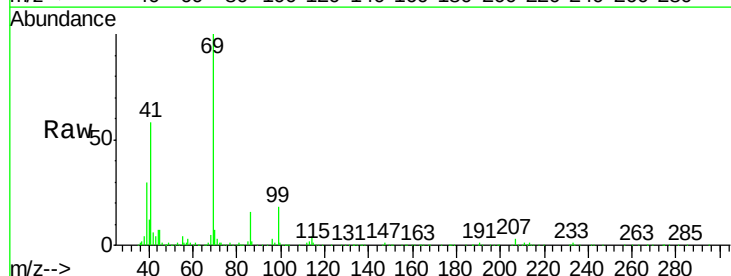
RT: 8.77 min Scan# 835

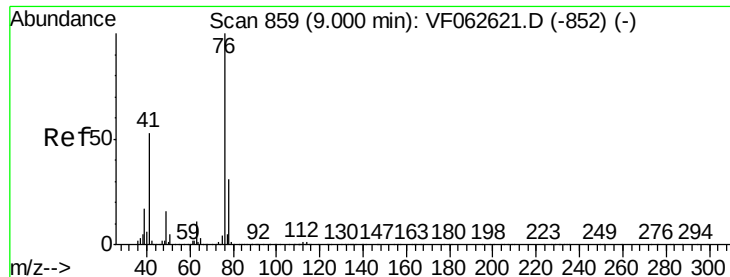
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	69	Resp:	141371
Ion	Ratio	Lower	Upper
69	100		
41	58.2	51.4	77.2
39	30.5	23.6	35.4





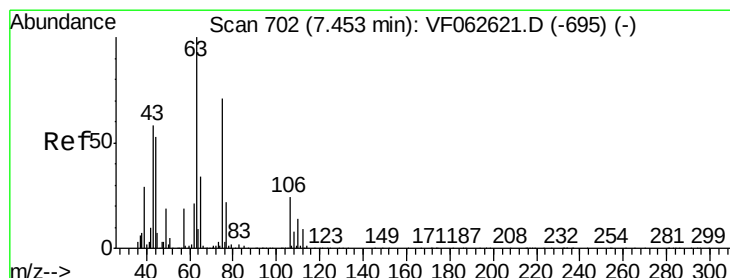
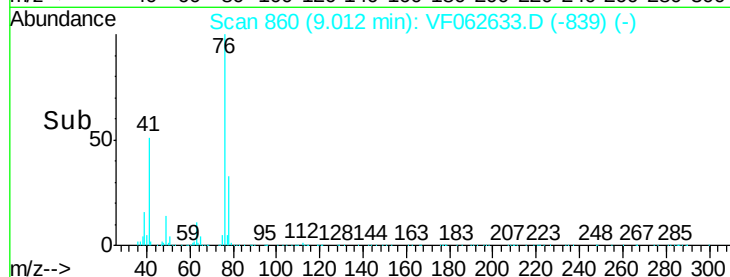
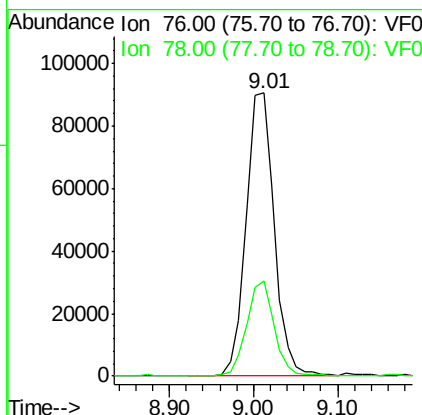
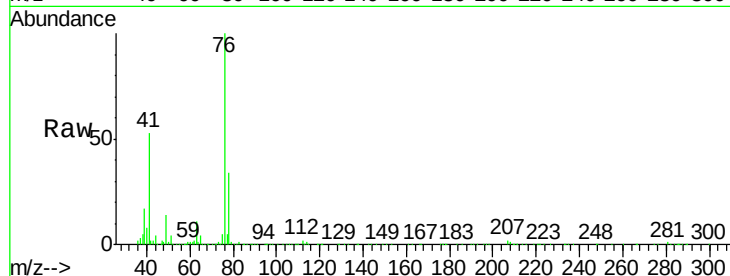
#57
 1,3-Dichloropropane
 Concen: 23.381 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.4	38.0

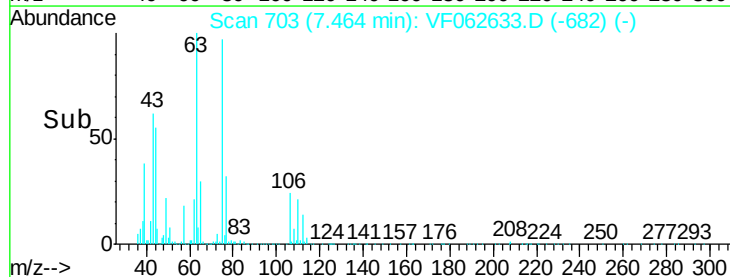
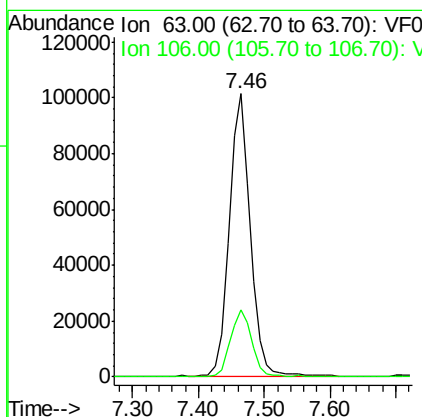
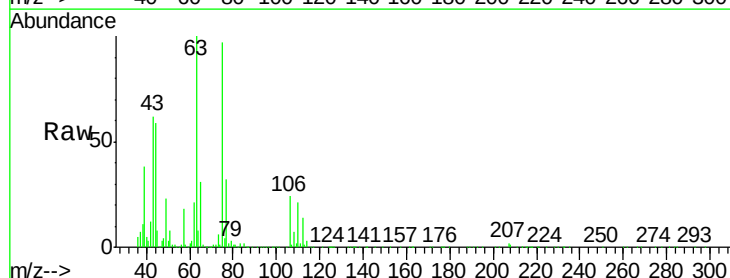
Manual Integrations
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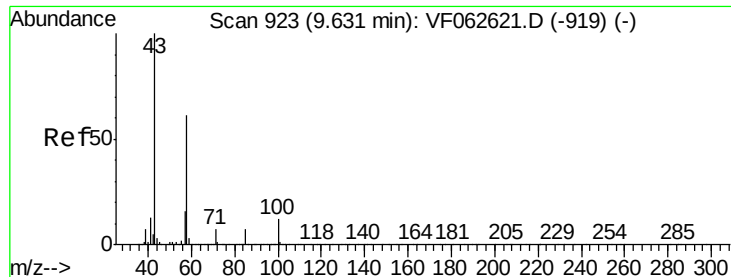
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.328 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.7	19.1	28.7





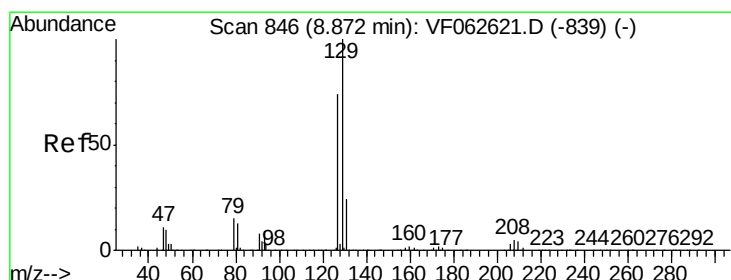
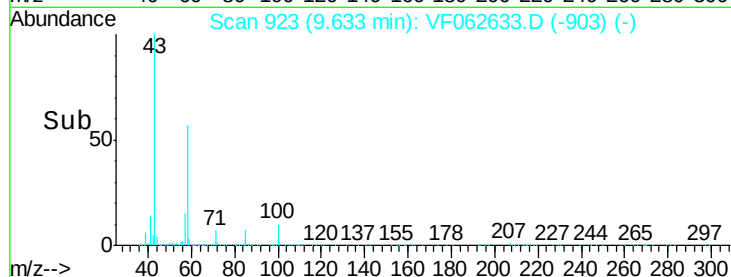
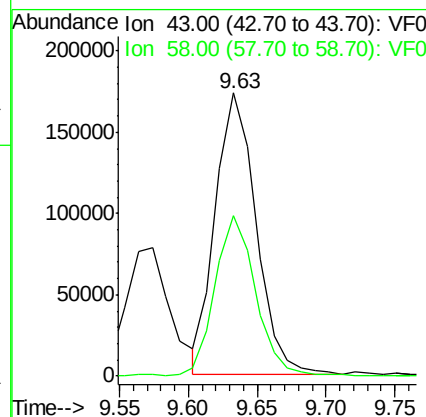
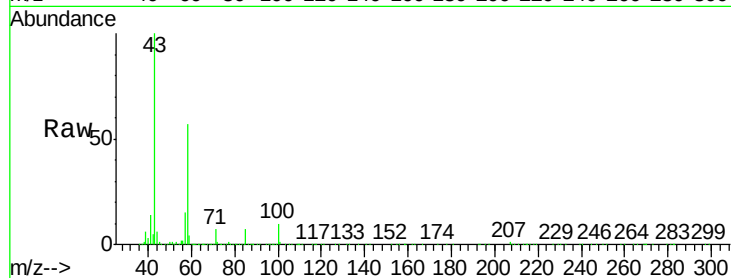
#59
2-Hexanone
Concen: 109.260 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampled :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.1	84.4

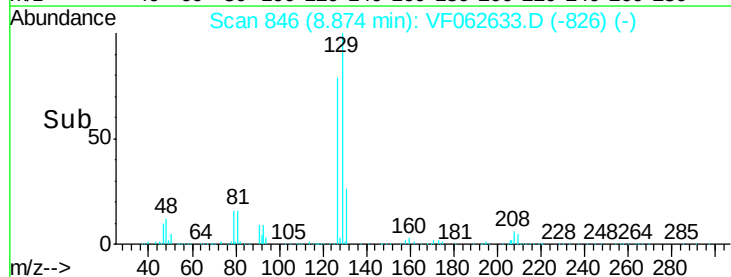
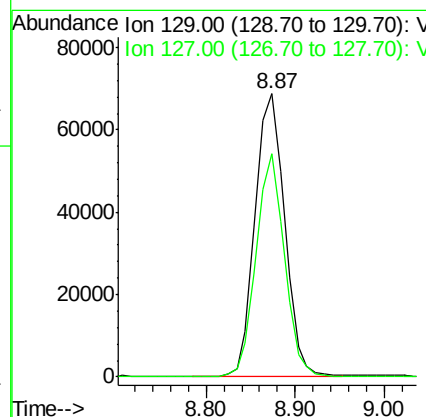
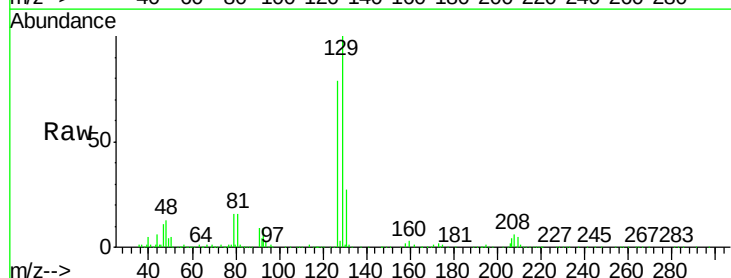
Manual Integrations
APPROVED

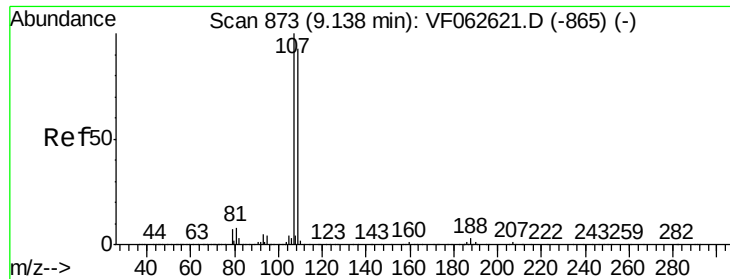
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#60
Dibromochloromethane
Concen: 22.706 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	37.2	111.6





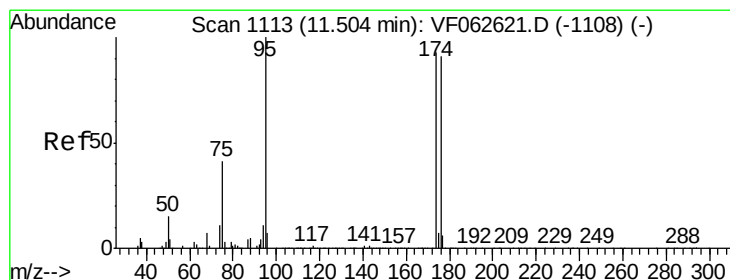
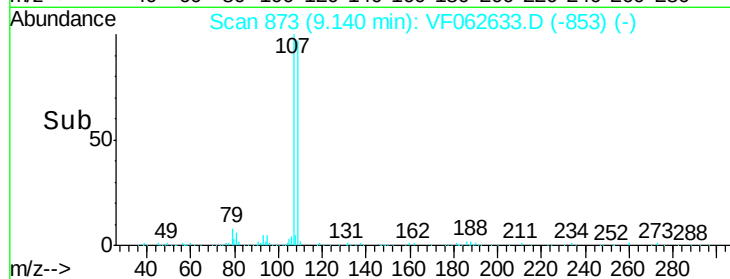
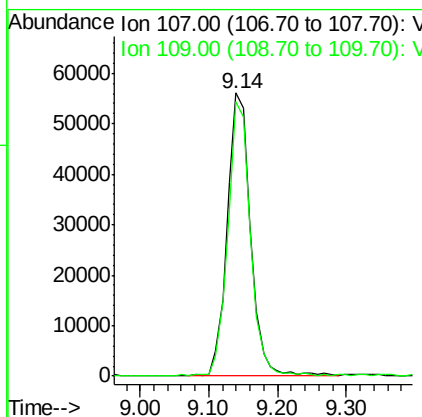
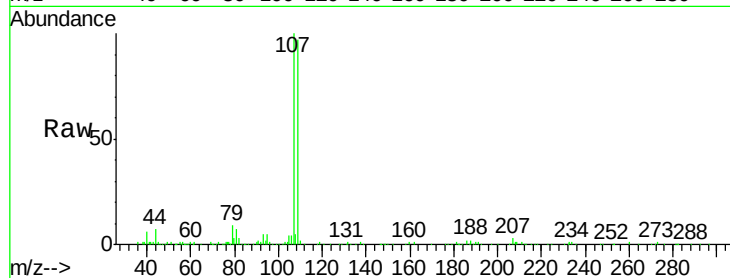
#61
 1,2-Dibromoethane
 Concen: 23.124 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.0	74.8	112.2

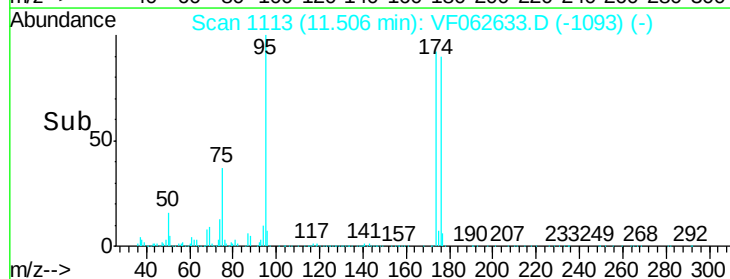
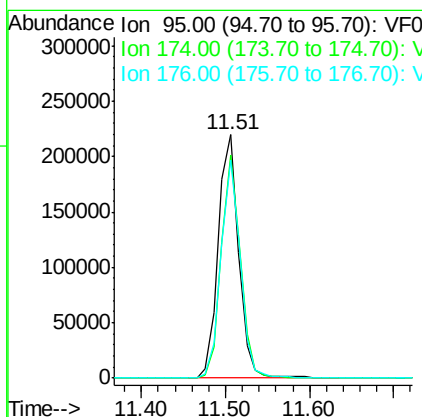
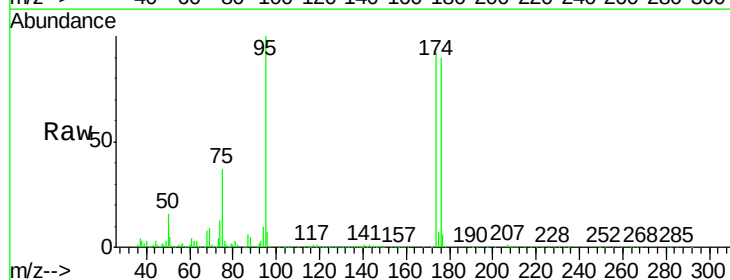
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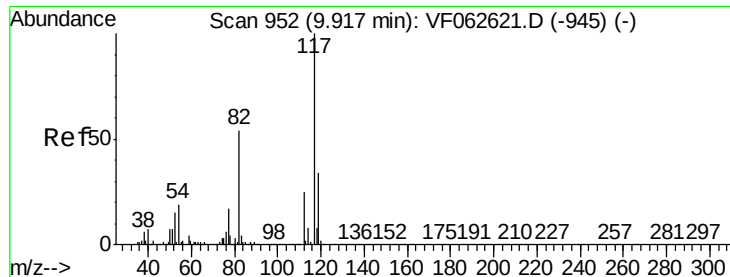
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 43.306 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	185.6
176	89.5	0.0	182.4





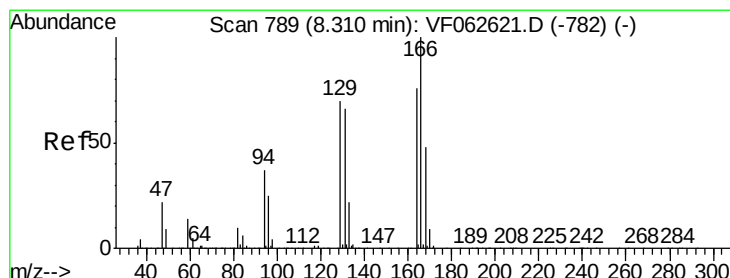
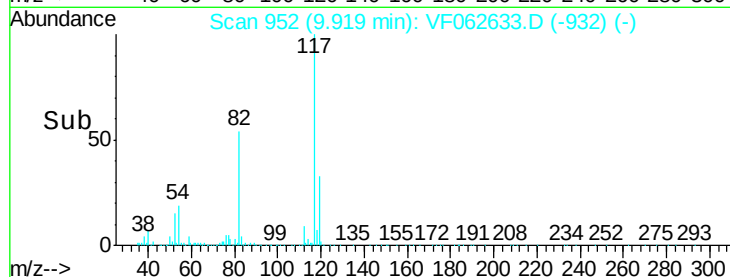
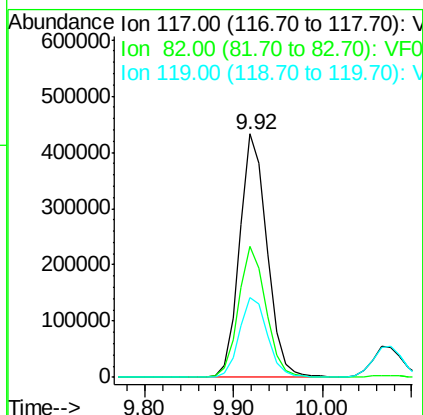
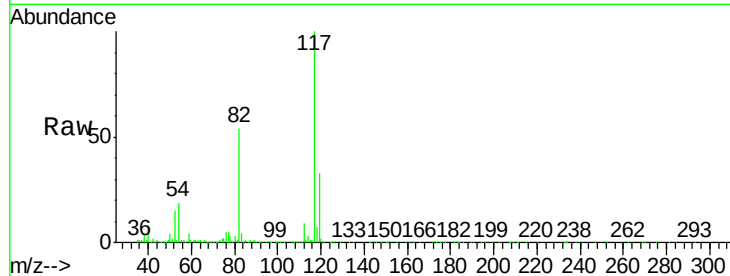
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	53.8	43.3	64.9
119	32.6	27.4	41.0

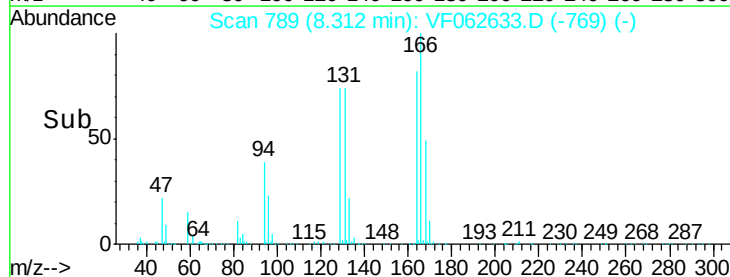
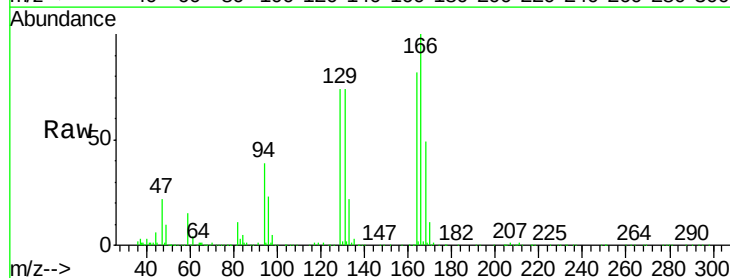
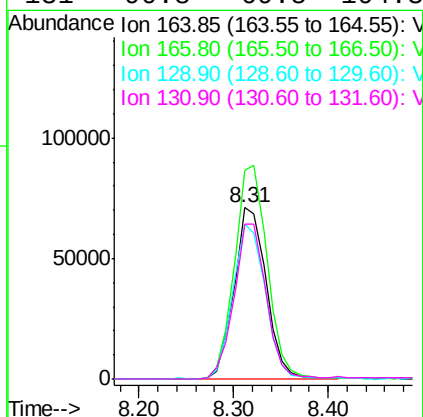
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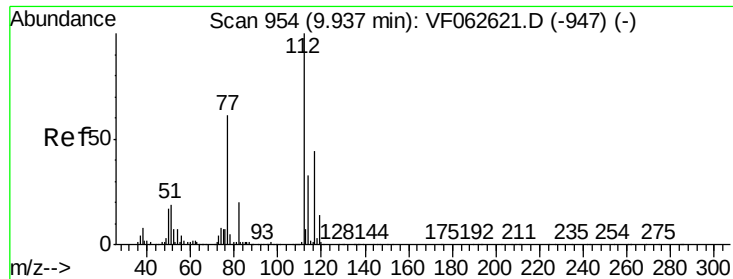
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#64
Tetrachloroethene
Concen: 22.980 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	122.3	105.5	158.3
129	90.7	73.8	110.6
131	90.8	69.5	104.3





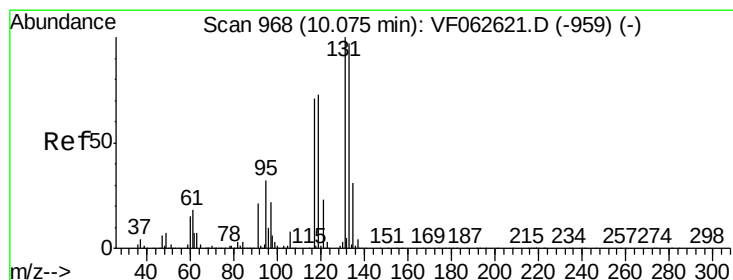
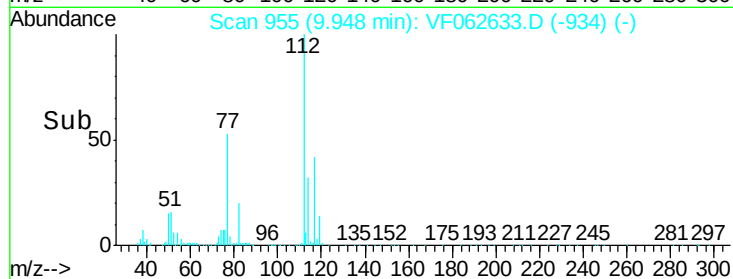
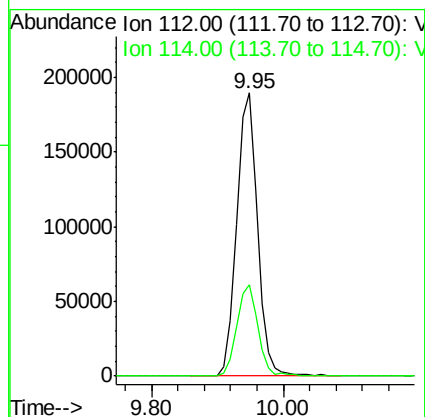
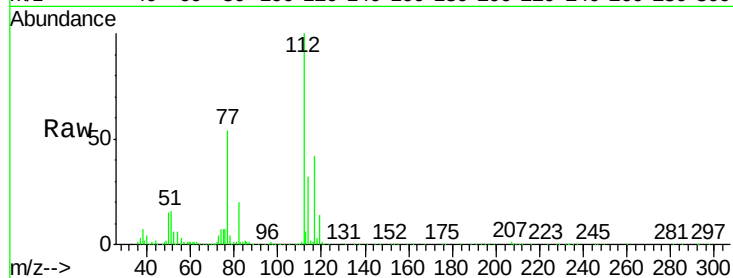
#65
Chlorobenzene
Concen: 23.301 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	422994		
114	32.1	26.8	40.2	

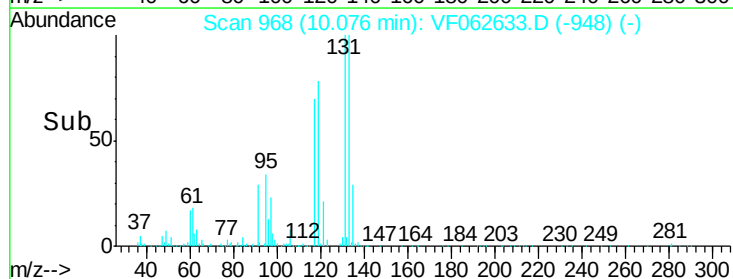
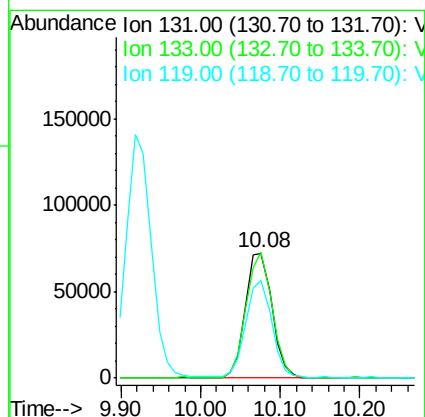
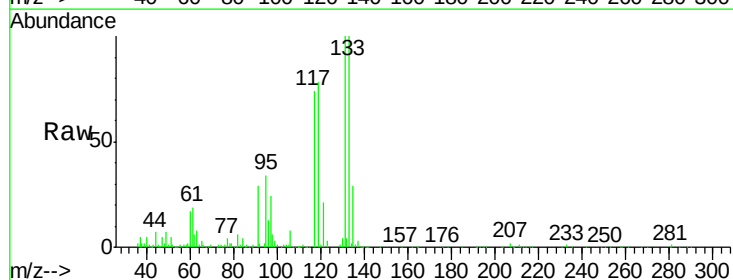
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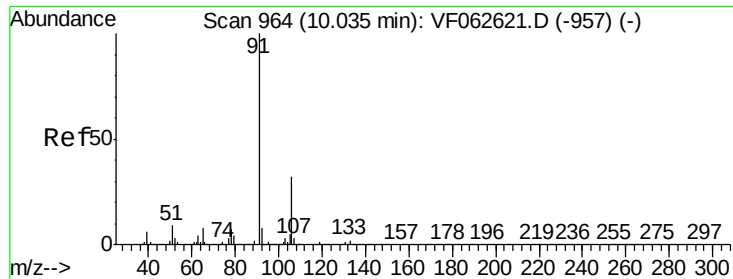
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.982 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	167489		
133	100.2	48.5	145.5	
119	77.8	36.8	110.4	





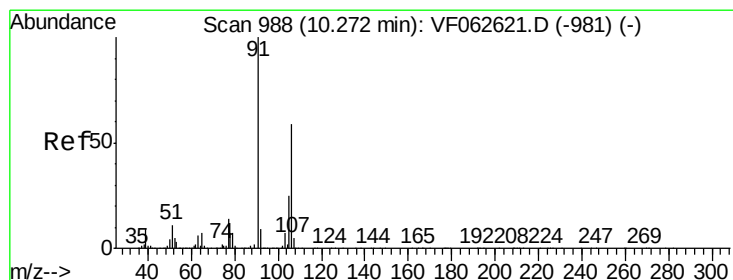
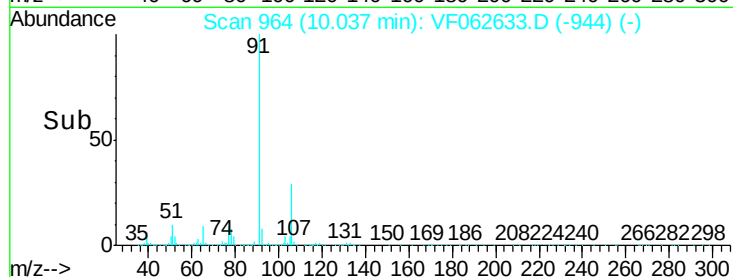
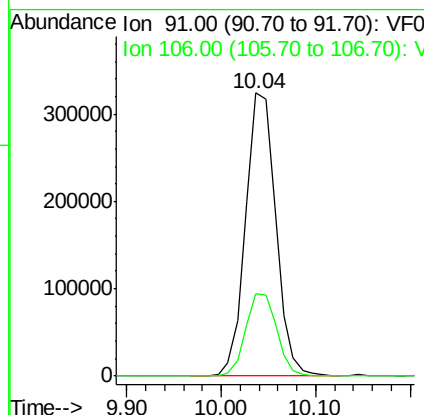
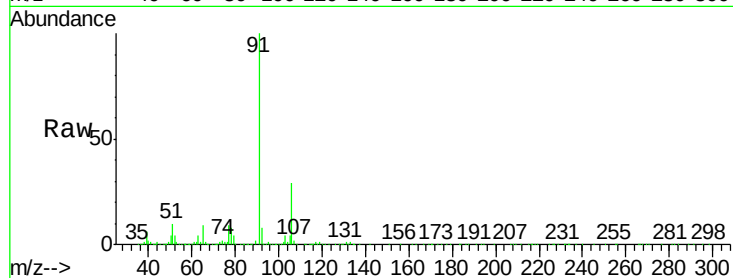
#67
Ethyl Benzene
Concen: 22.876 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion: 91 Resp: 721443
Ion Ratio Lower Upper
91 100
106 29.1 25.8 38.8

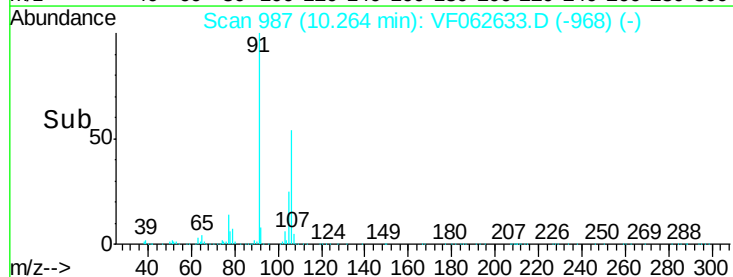
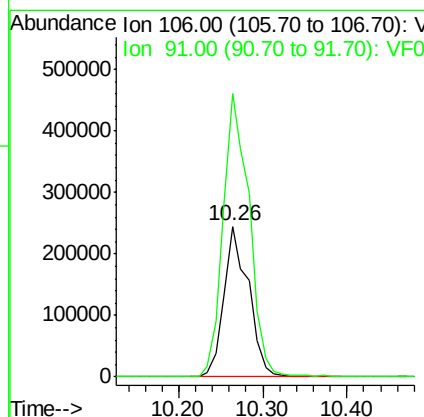
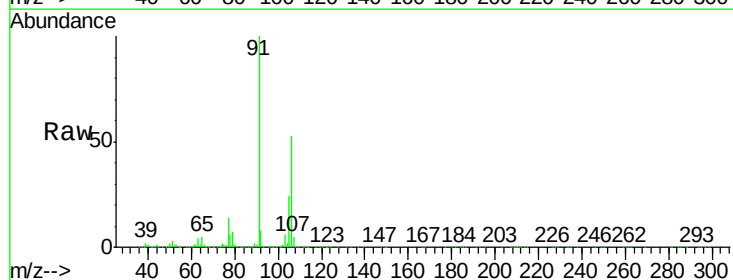
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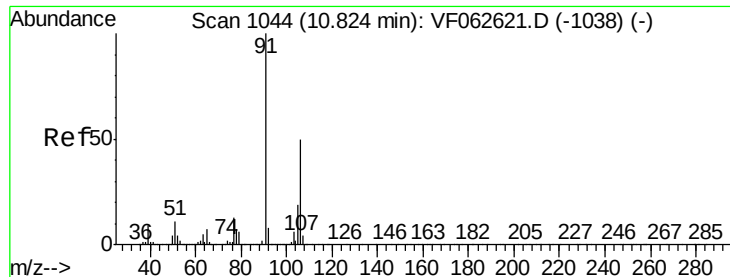
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#68
m/p-Xylenes
Concen: 41.975 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion: 106 Resp: 497531
Ion Ratio Lower Upper
106 100
91 188.2 136.9 205.3





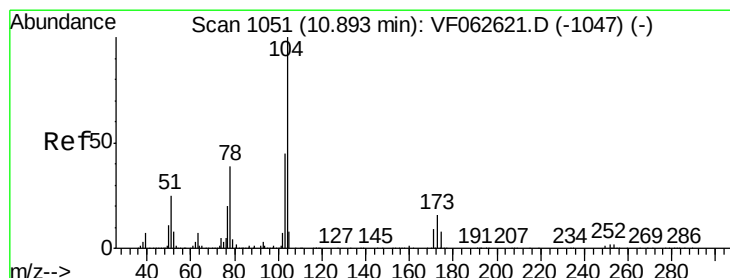
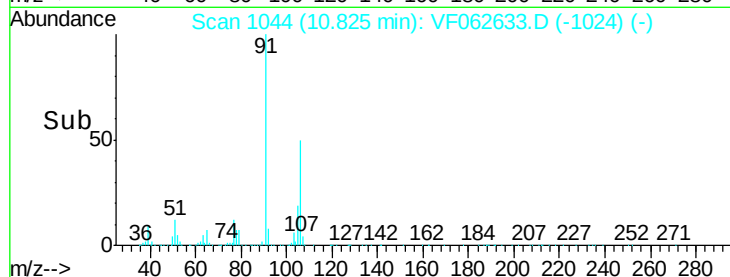
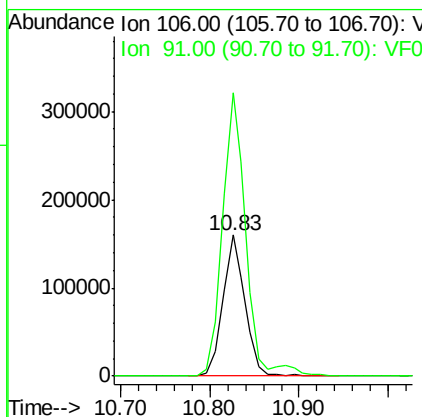
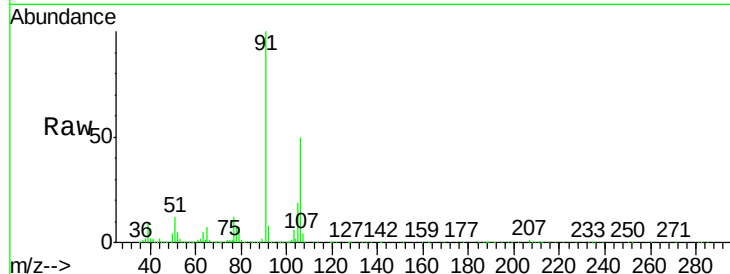
#69
o-Xylene
Concen: 22.751 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.1	100.2	300.5

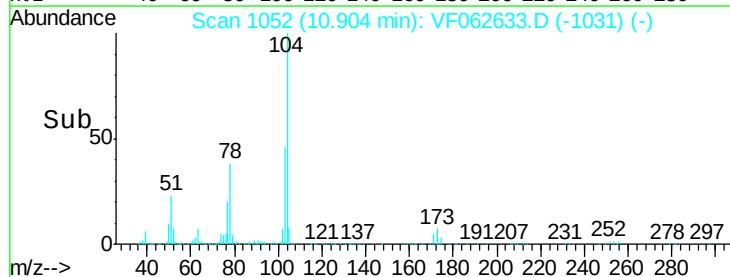
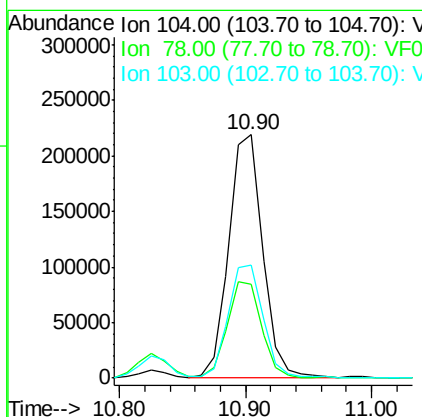
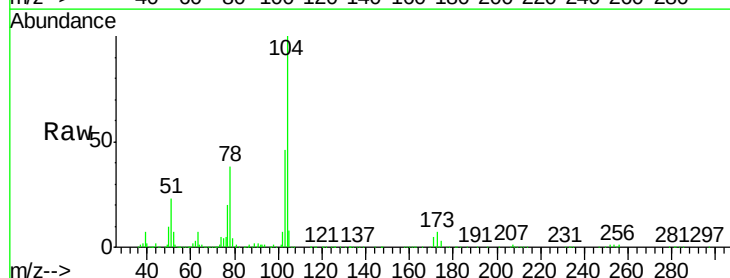
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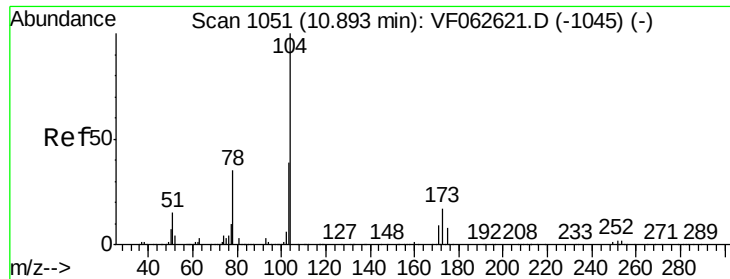
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#70
Styrene
Concen: 21.862 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.4	31.9	47.9
103	46.2	36.1	54.1





#71

Bromoform

Concen: 21.753 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

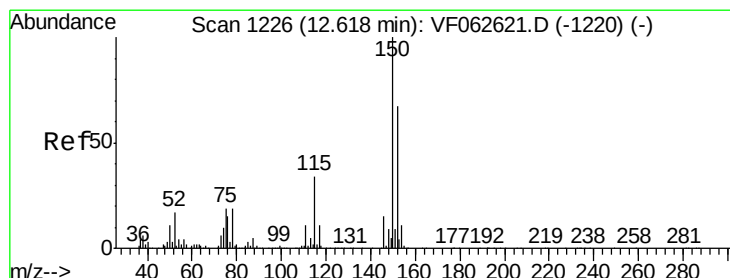
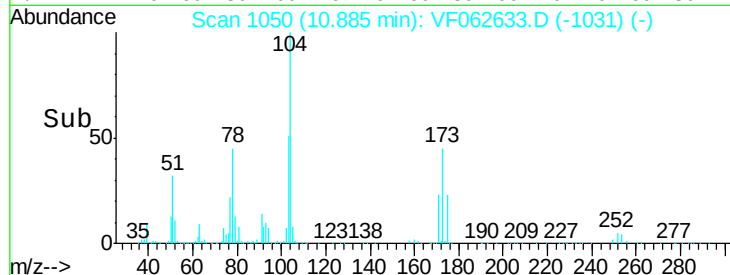
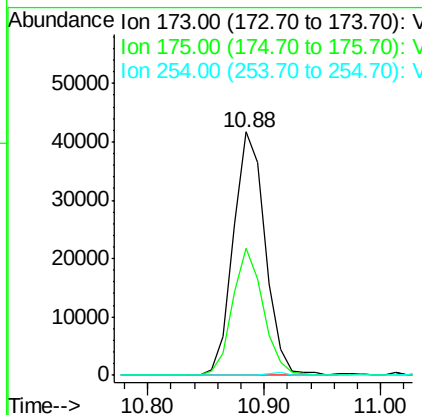
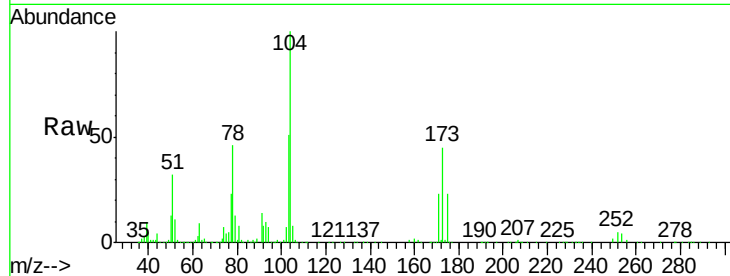
ClientSampleId :

VF0517SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.5	25.3	75.9
254	0.0	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

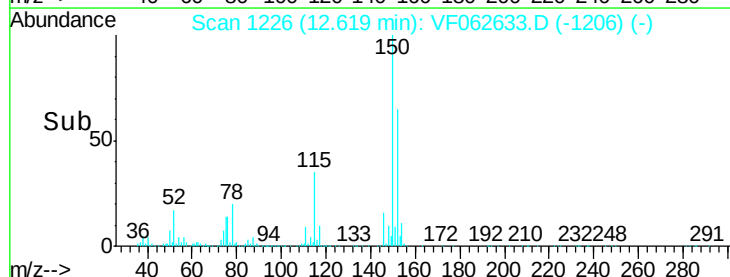
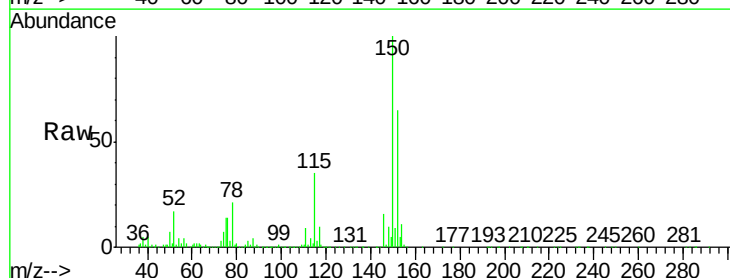
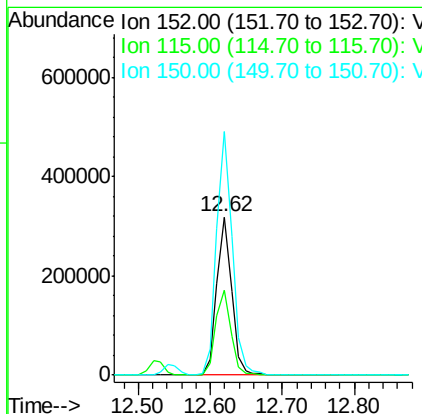
RT: 12.62 min Scan# 1226

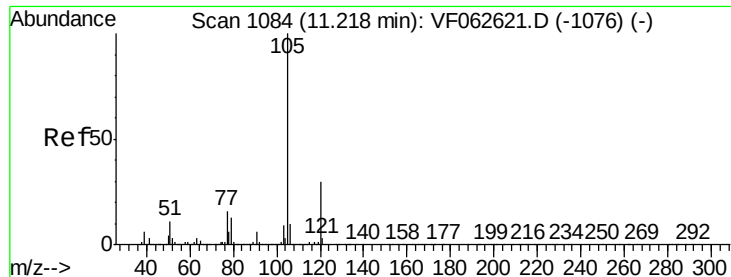
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	25.2	75.6
150	154.1	0.0	306.2





#73

Isopropylbenzene

Concen: 23.799 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion:105 Resp: 769291

Ion Ratio Lower Upper

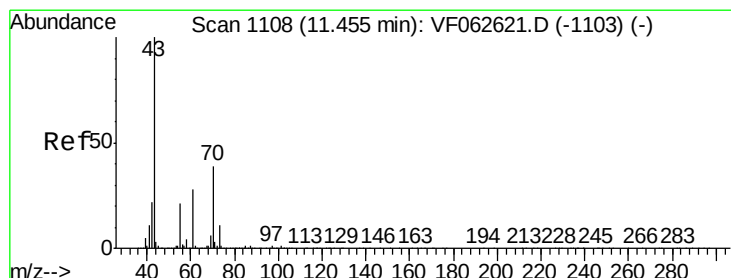
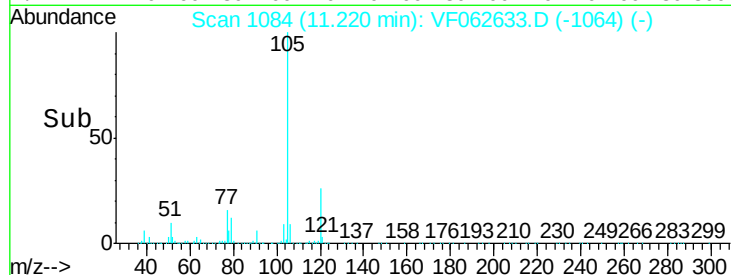
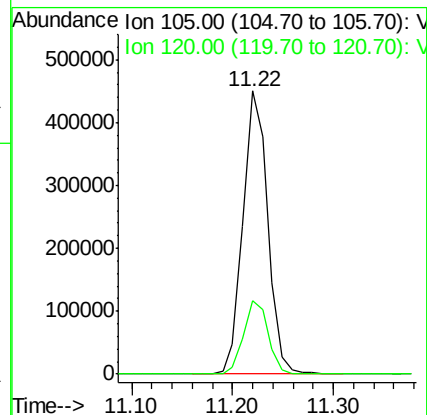
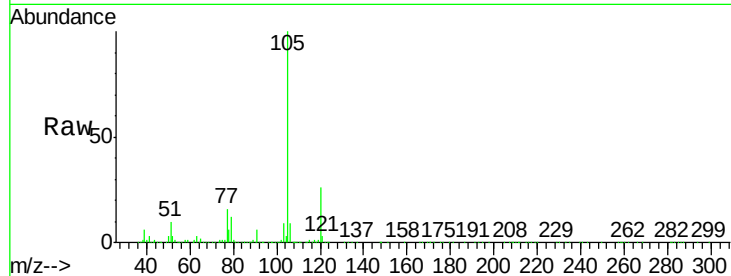
105 100

120 26.1 14.8 44.4

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#74

N-ethyl acetate

Concen: 22.595 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion: 43 Resp: 210169

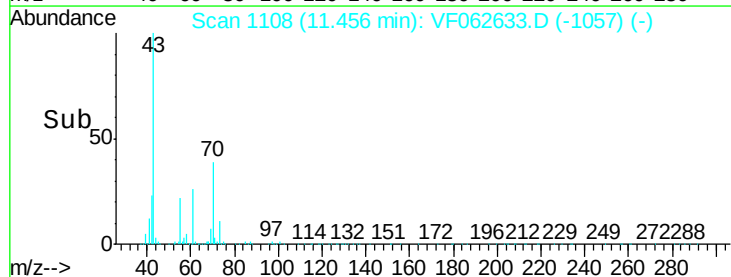
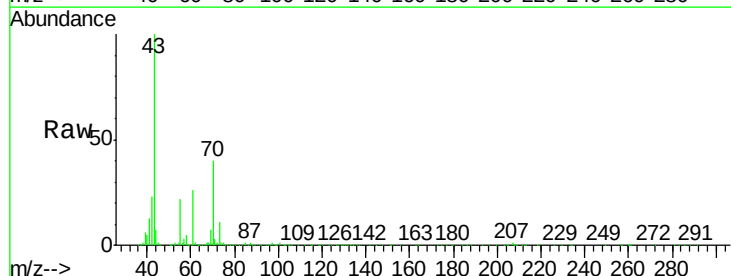
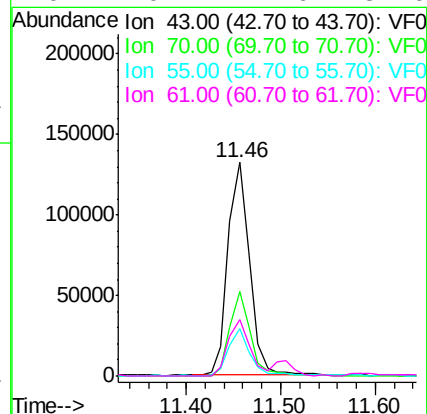
Ion Ratio Lower Upper

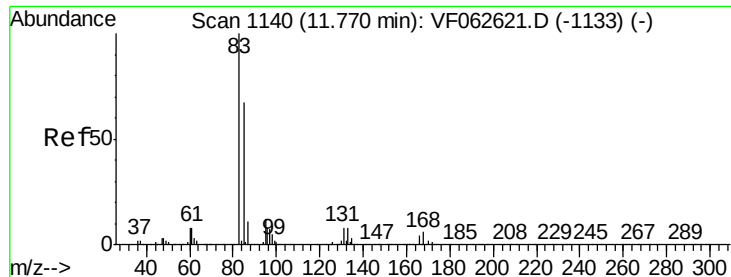
43 100

70 39.5 30.9 46.3

55 22.3 17.0 25.4

61 26.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.713 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

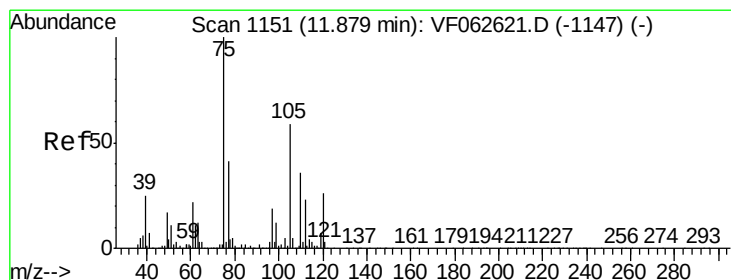
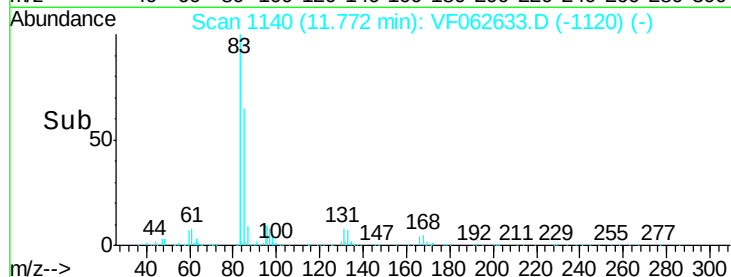
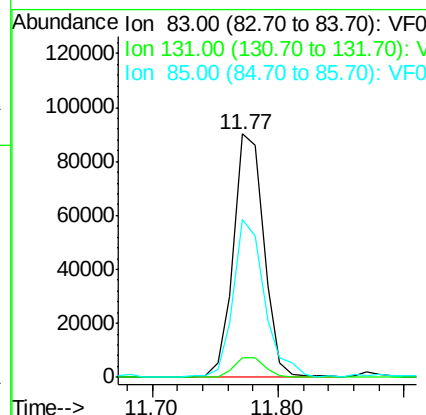
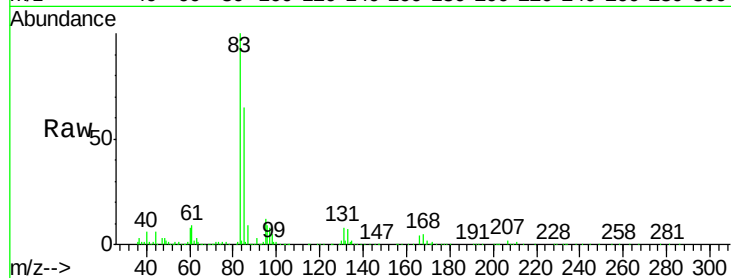
ClientSampleId :

VF0517SBS01

Tot Ion:	83	Resp:	150047
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.0	12.0
85	64.7	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 22.039 ug/l

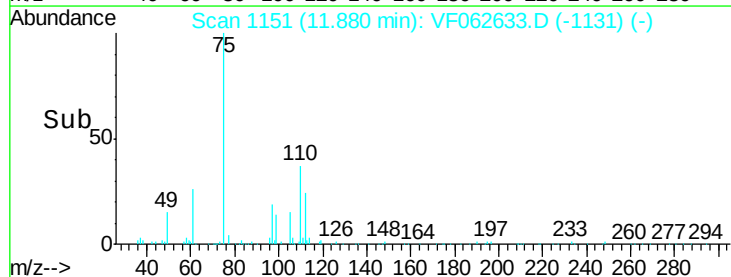
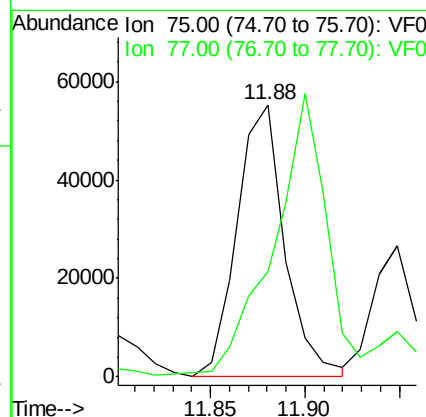
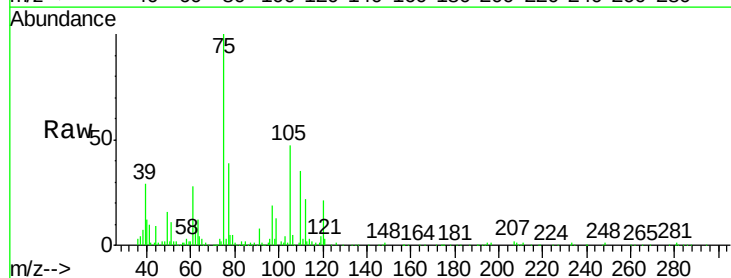
RT: 11.88 min Scan# 1151

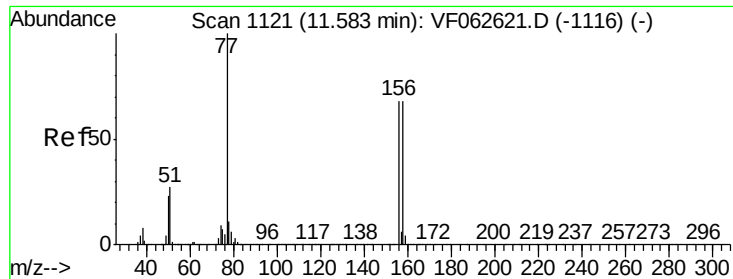
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	75	Resp:	95662
Ion Ratio	Lower	Upper	
75	100		
77	39.0	20.6	61.8





#77

Bromobenzene

Concen: 22.654 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

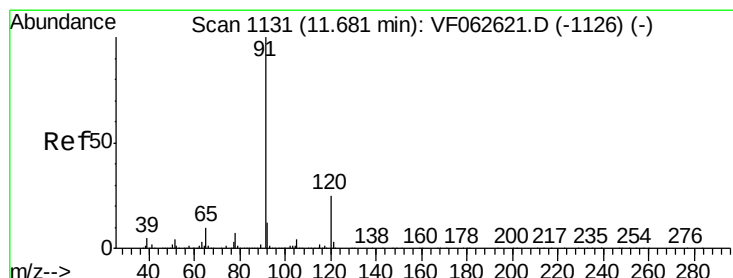
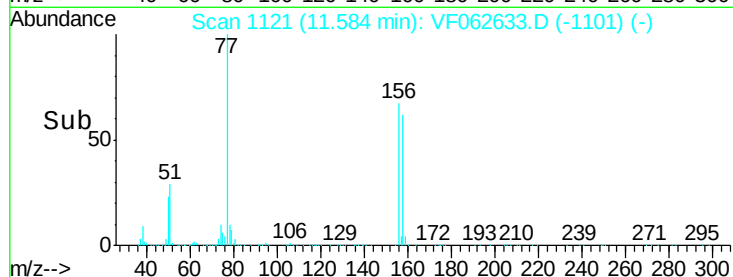
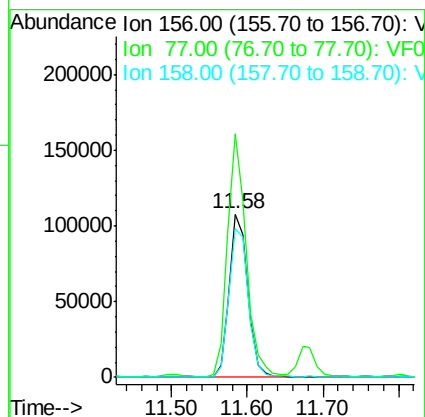
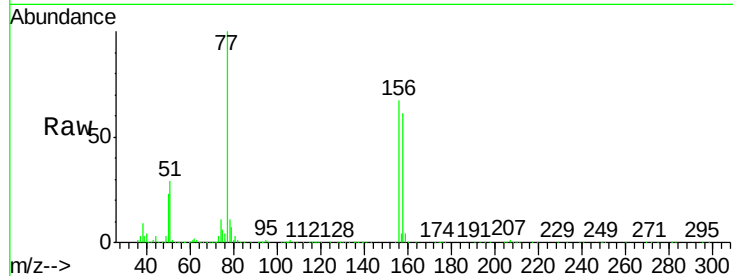
ClientSampleId :

VF0517SBS01

Tot Ion:	156	Resp:	182028
Ion Ratio	Lower	Upper	
156	100		
77	149.3	73.6	220.8
158	91.5	49.6	148.8

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#78

n-propylbenzene

Concen: 22.490 ug/l

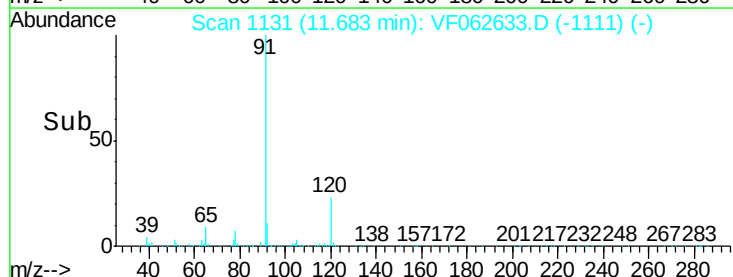
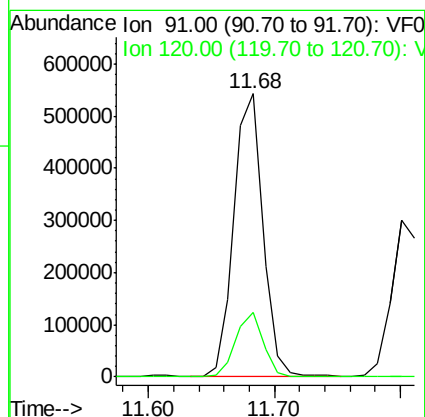
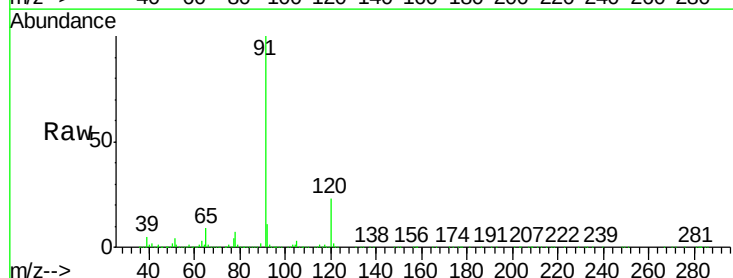
RT: 11.68 min Scan# 1131

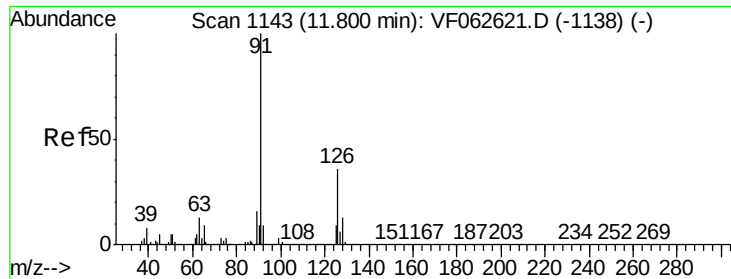
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	91	Resp:	860392
Ion Ratio	Lower	Upper	
91	100		
120	23.0	12.7	38.1





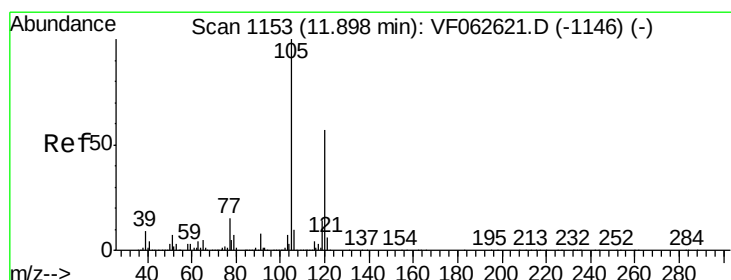
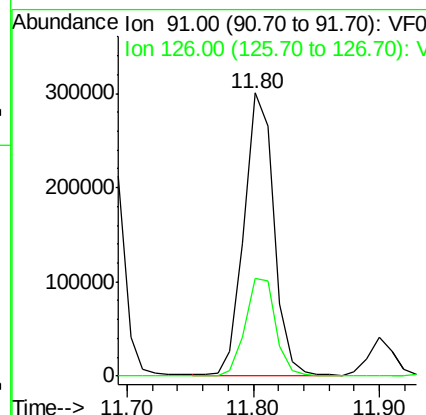
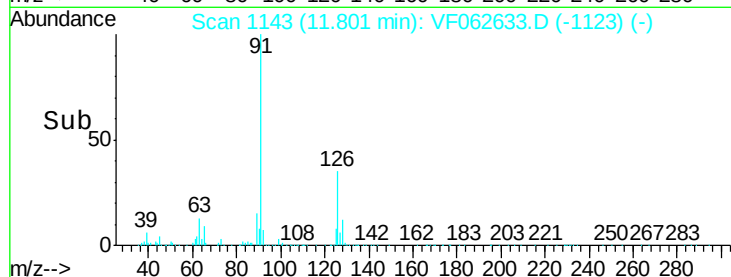
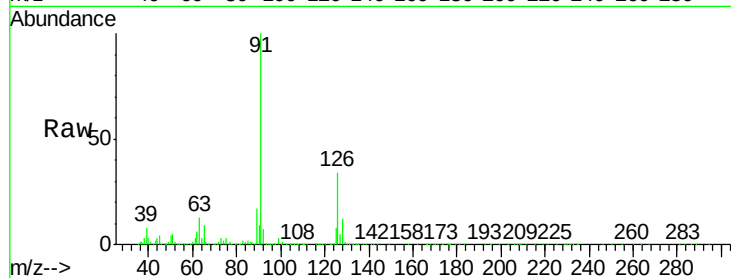
#79
2-Chlorotoluene
Concen: 22.599 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion: 91 Resp: 487224
Ion Ratio Lower Upper
91 100
126 34.5 18.1 54.4

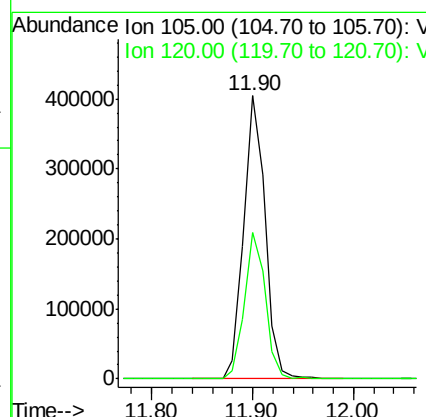
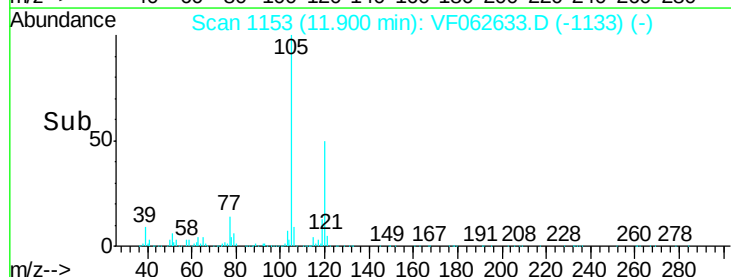
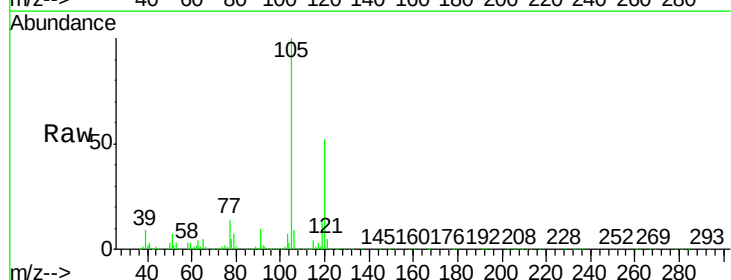
Manual Integrations
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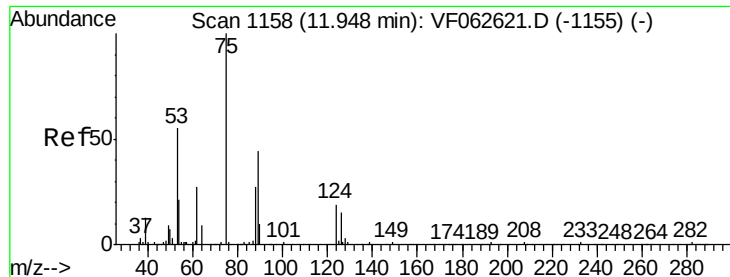
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 22.934 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion:105 Resp: 594457
Ion Ratio Lower Upper
105 100
120 51.8 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 22.001 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

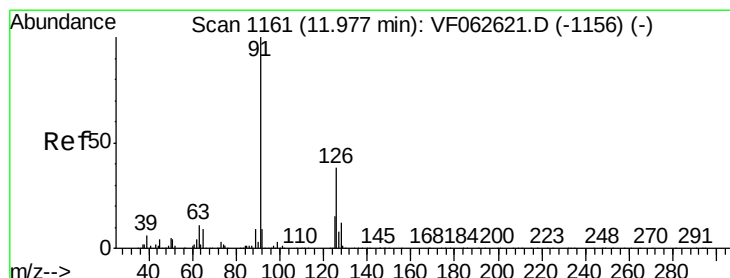
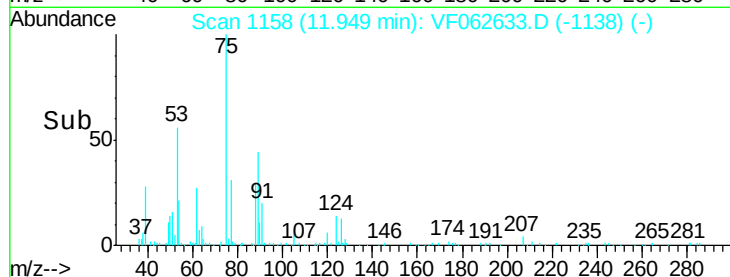
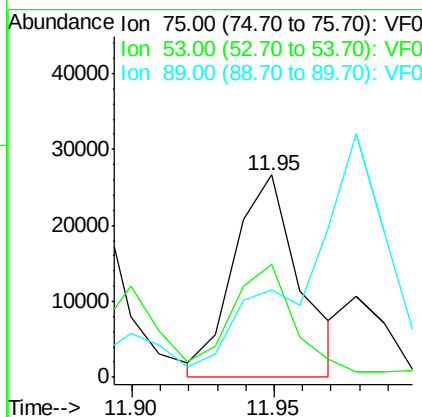
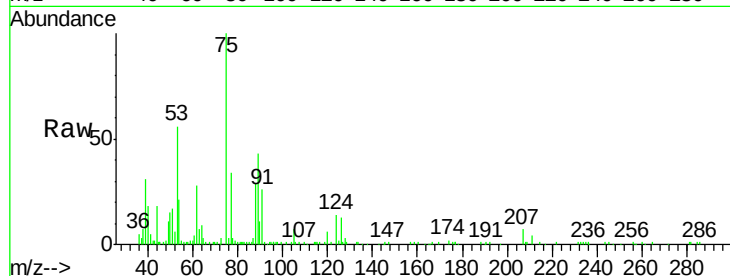
ClientSampleId :

VF0517SBS01

Tot Ion:	75	Resp:	42450
Ion Ratio	Lower	Upper	
75	100		
53	55.6	46.9	70.3
89	43.4	36.4	54.6

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#82

4-Chlorotoluene

Concen: 23.757 ug/l

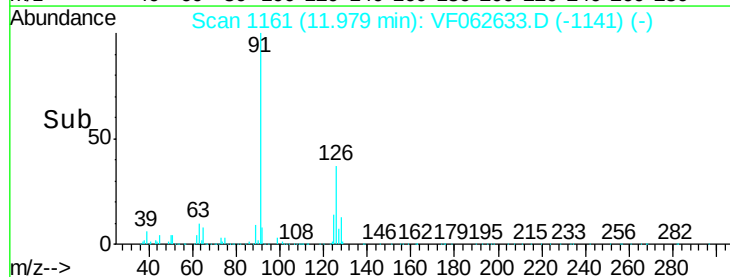
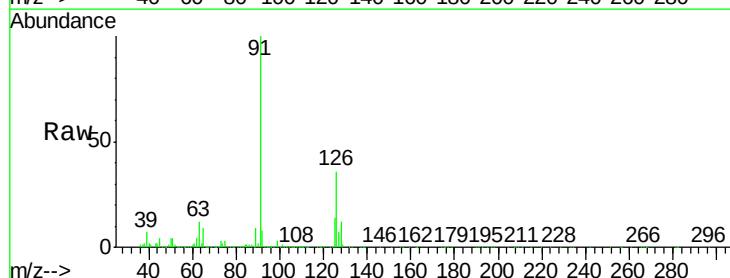
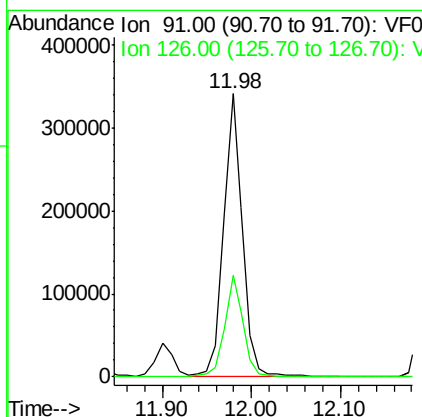
RT: 11.98 min Scan# 1161

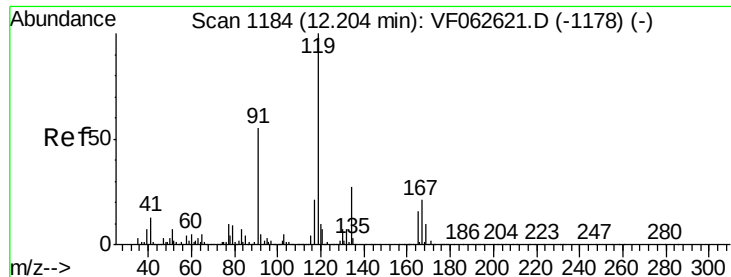
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	91	Resp:	505101
Ion Ratio	Lower	Upper	
91	100		
126	35.8	19.1	57.1





#83

tert-Butylbenzene

Concen: 22.889 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

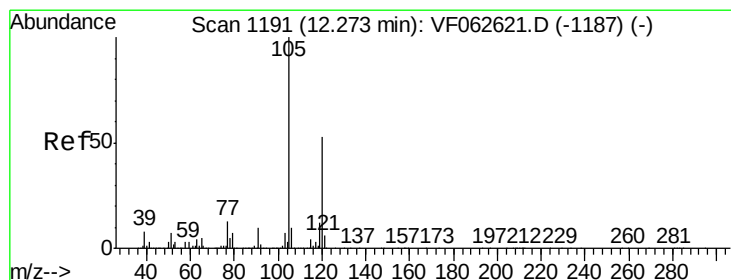
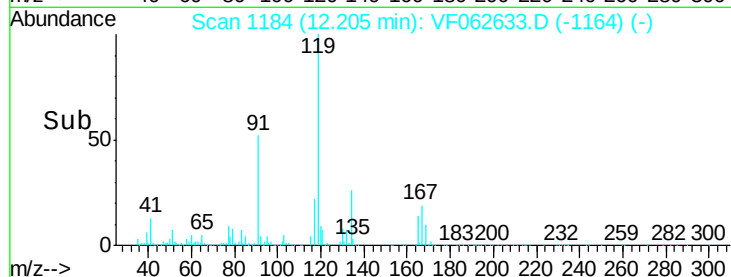
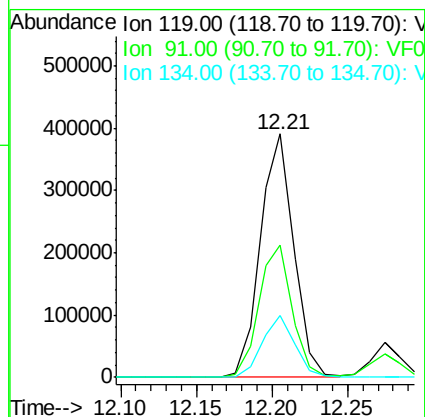
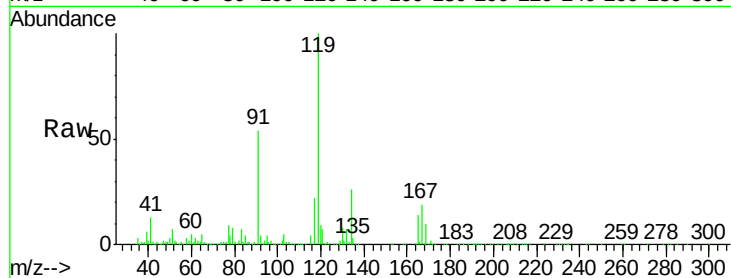
ClientSampleId :

VF0517SBS01

Tot Ion:	119	Resp:	601922
Ion Ratio	Lower	Upper	
119	100		
91	54.4	27.3	81.9
134	25.7	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 22.851 ug/l

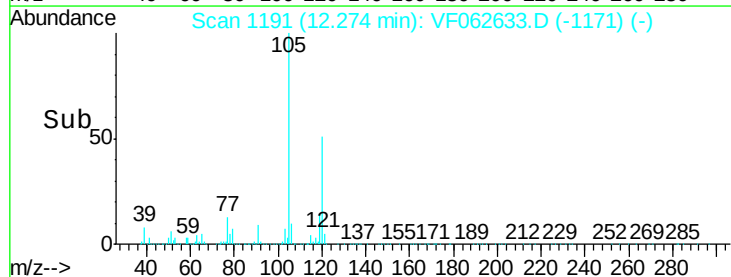
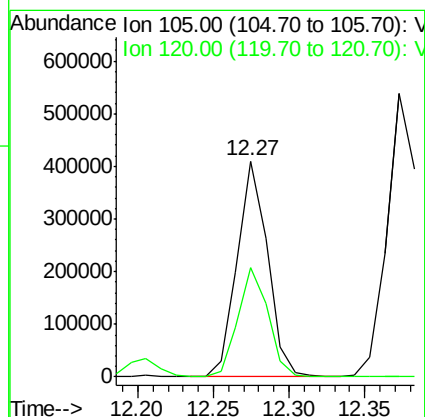
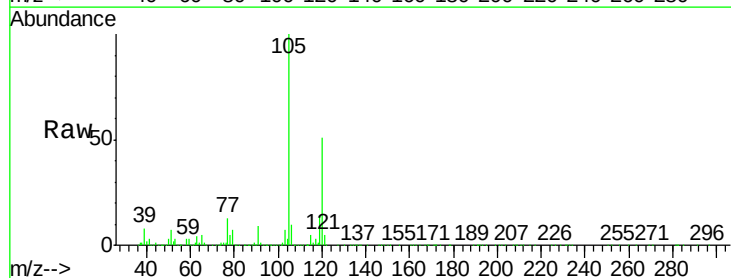
RT: 12.27 min Scan# 1191

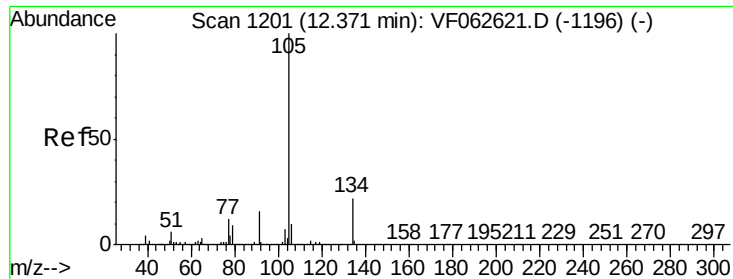
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	105	Resp:	573268
Ion Ratio	Lower	Upper	
105	100		
120	50.7	26.7	80.1





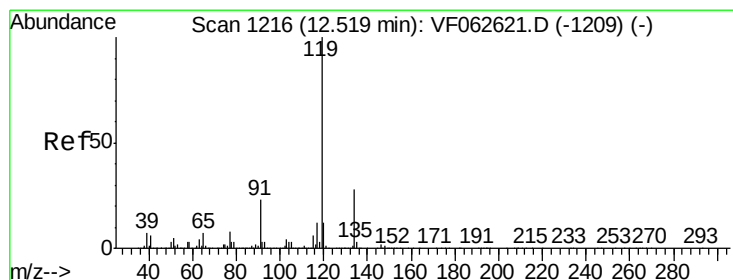
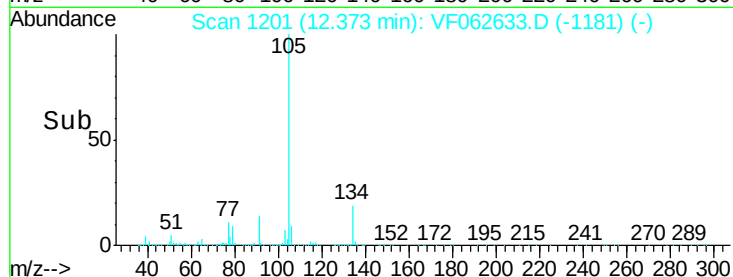
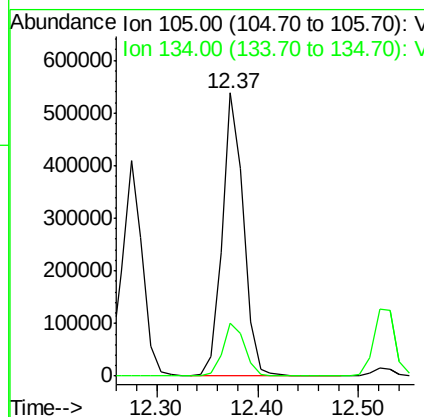
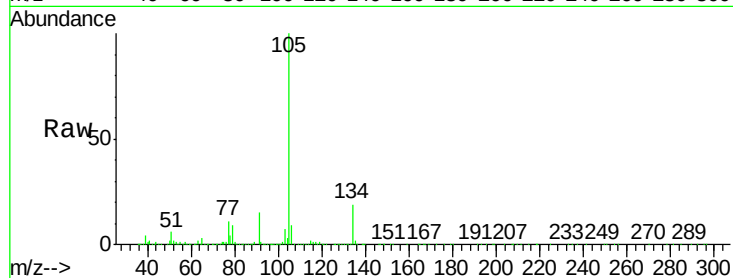
#85
 sec-Butylbenzene
 Concen: 22.274 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	10.8	32.4

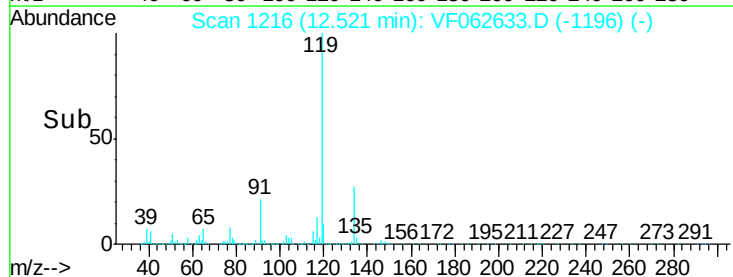
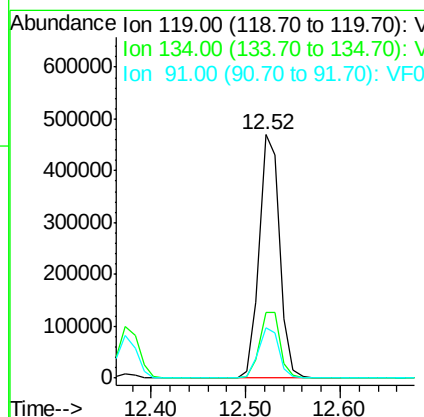
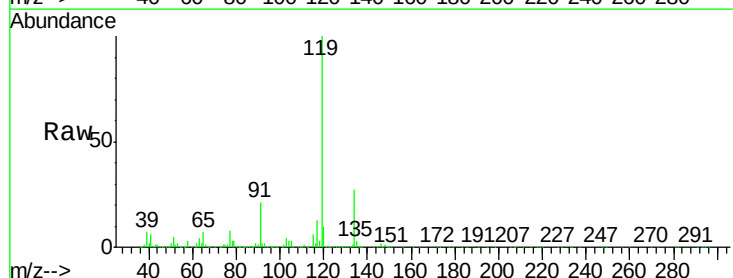
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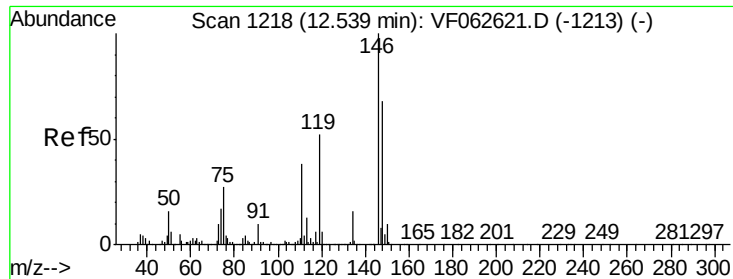
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#86
 p-Isopropyltoluene
 Concen: 23.850 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	14.1	42.3
91	20.8	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 22.671 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

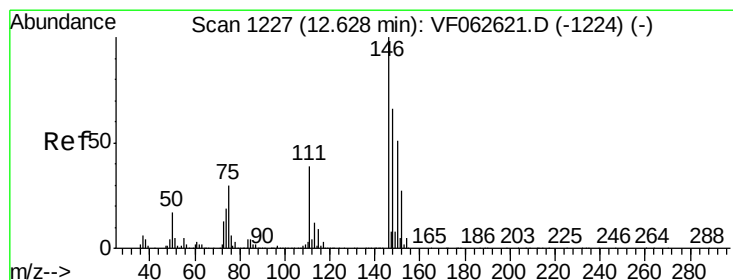
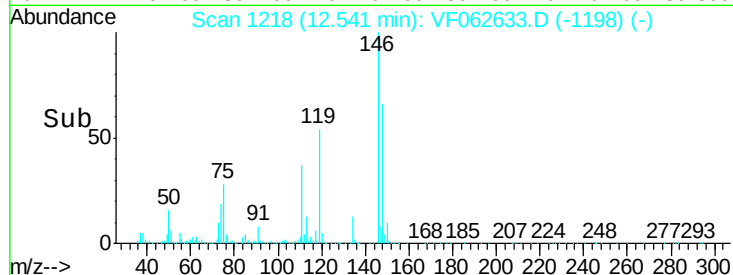
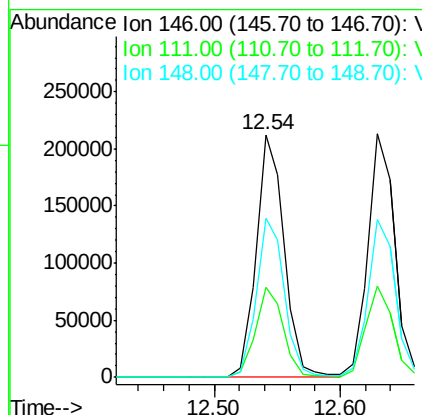
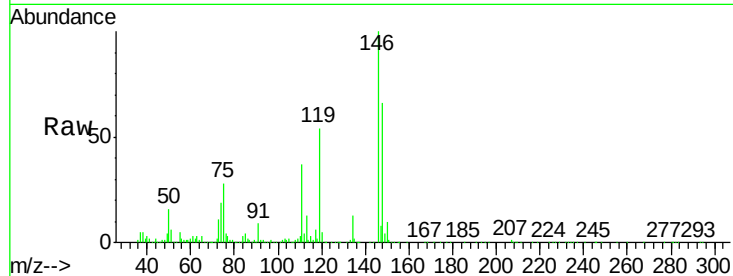
Instrument :
MSVOA_F

ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	65.5	34.0	101.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 23.489 ug/l

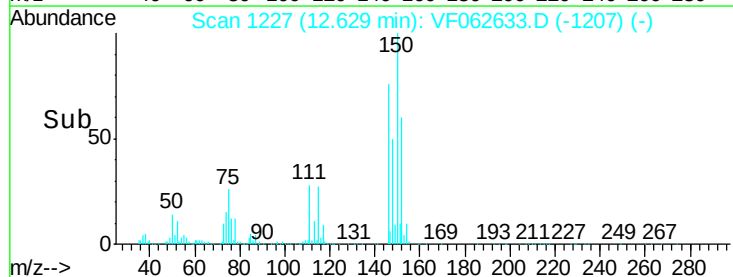
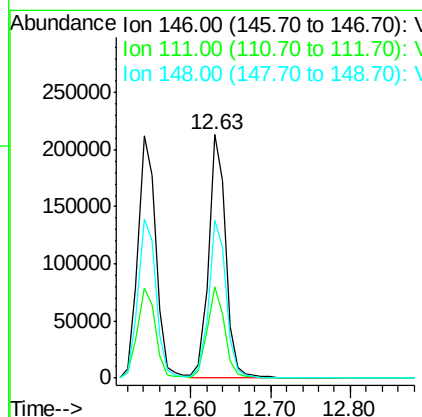
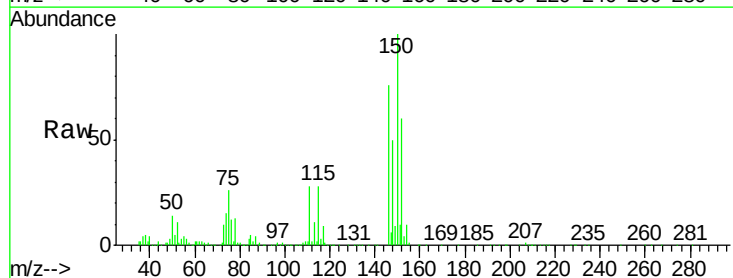
RT: 12.63 min Scan# 1227

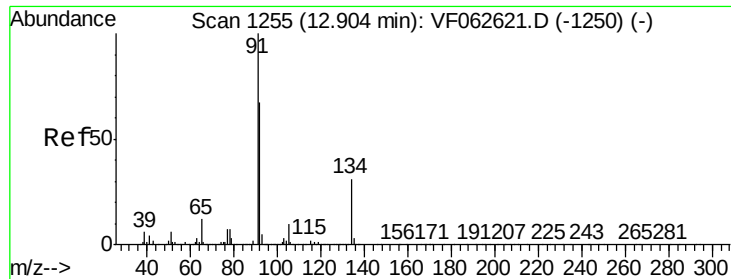
Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.4	58.2
148	65.1	33.2	99.6





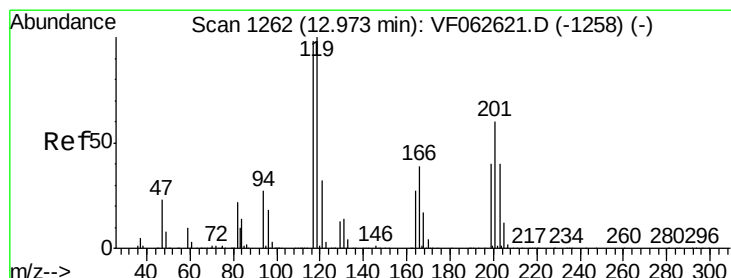
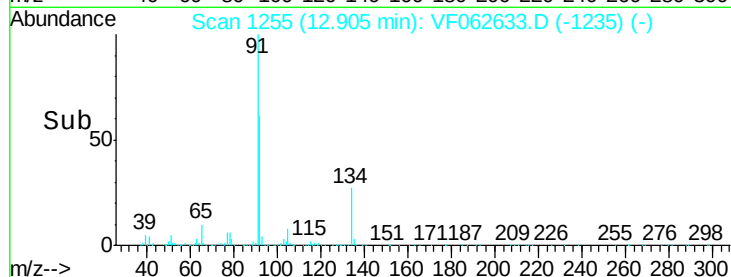
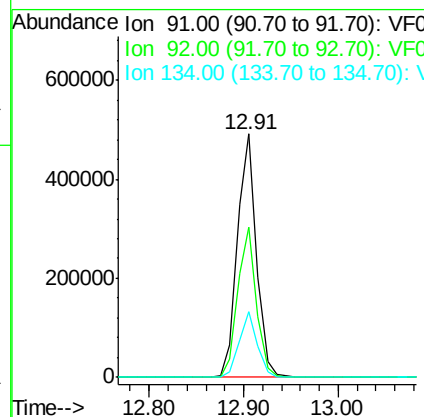
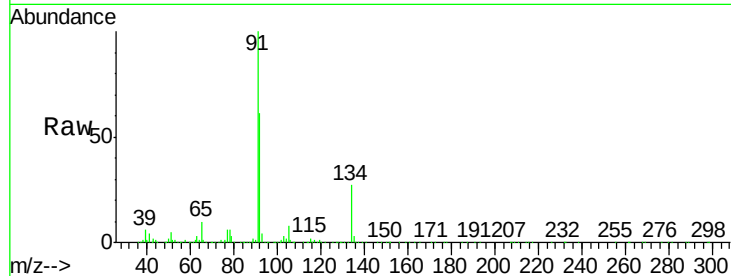
#89
n-Butylbenzene
Concen: 23.302 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	683309		
92	61.4		33.3	99.8
134	27.1		15.4	46.4

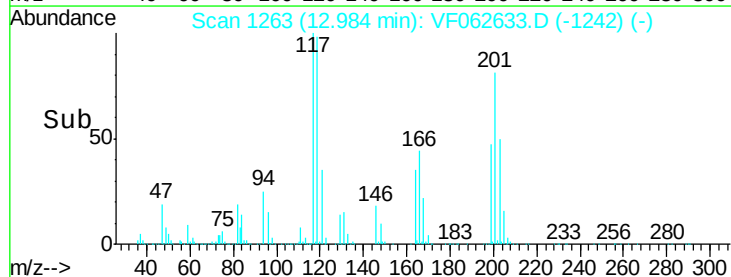
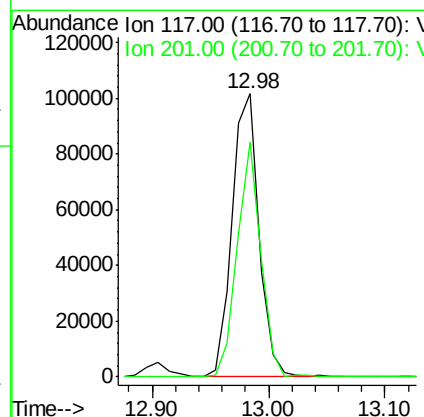
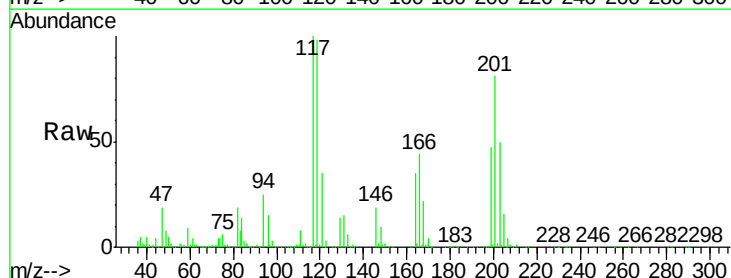
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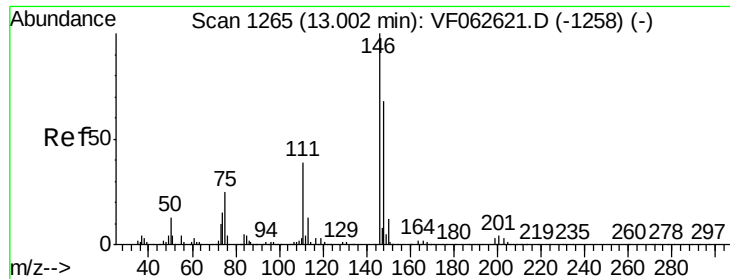
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#90
Hexachloroethane
Concen: 22.672 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	161758		
201	82.9		30.7	92.1





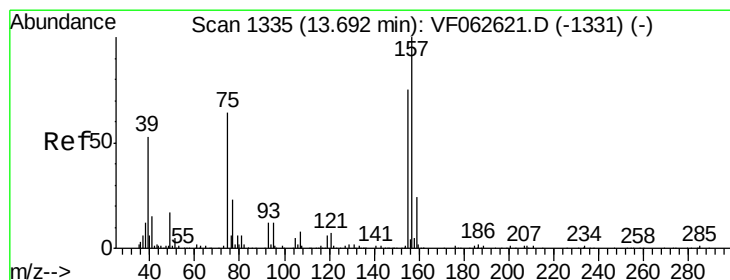
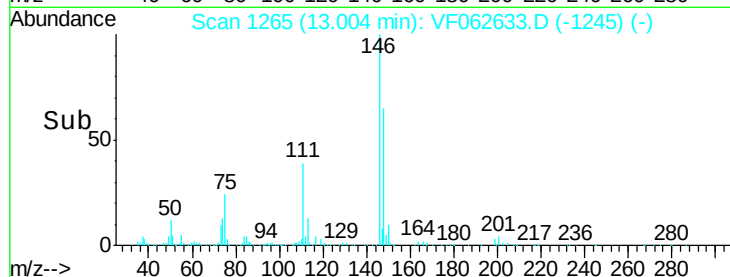
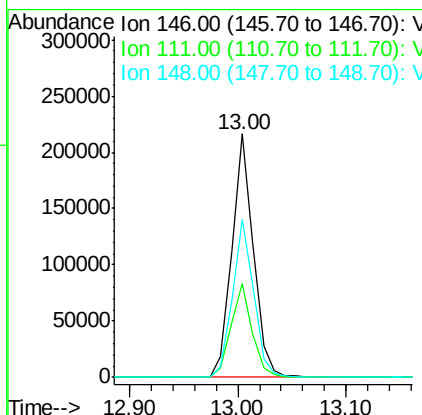
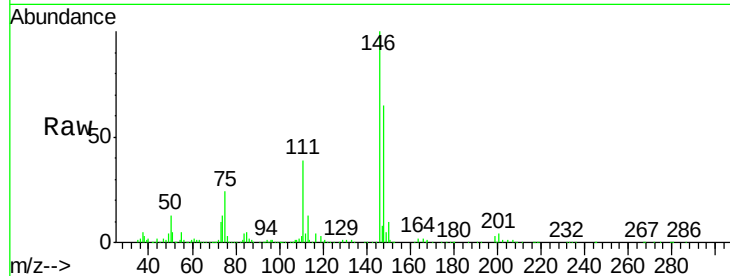
#91
 1,2-Dichlorobenzene
 Concen: 23.219 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	64.8	34.1	102.2

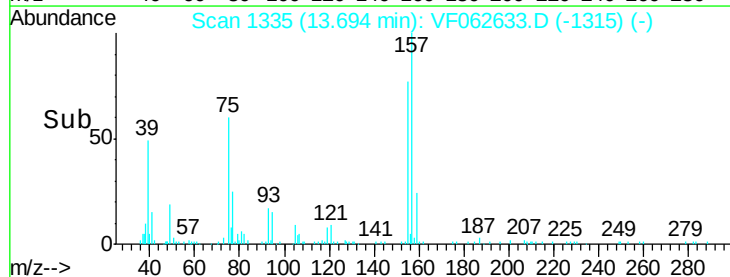
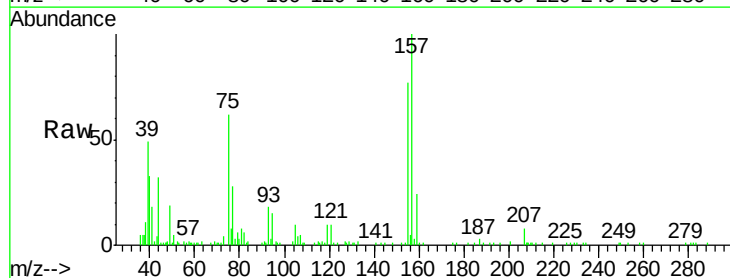
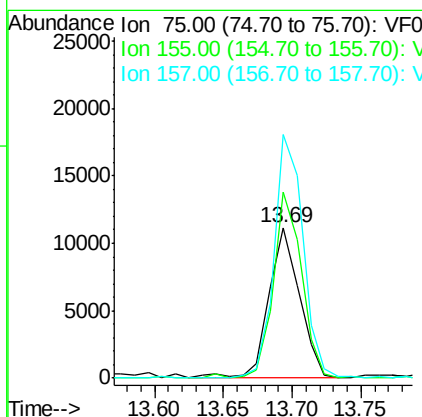
Manual Integrations
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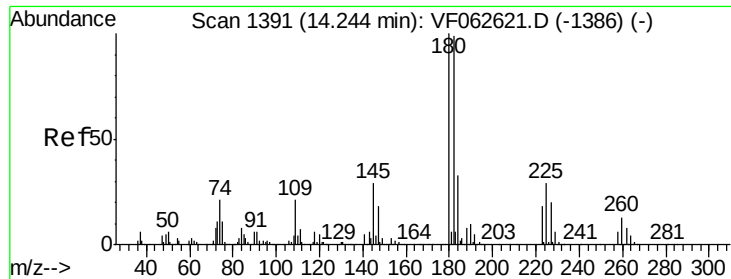
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.076 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	123.7	58.1	174.3
157	161.5	77.8	233.4





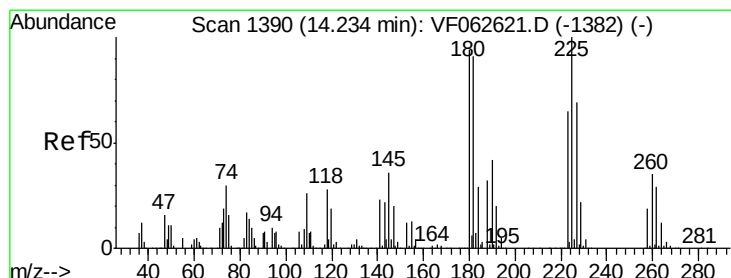
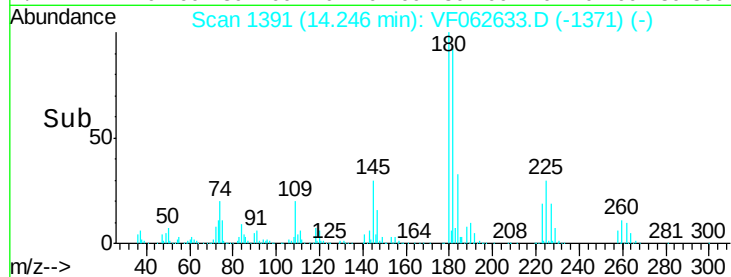
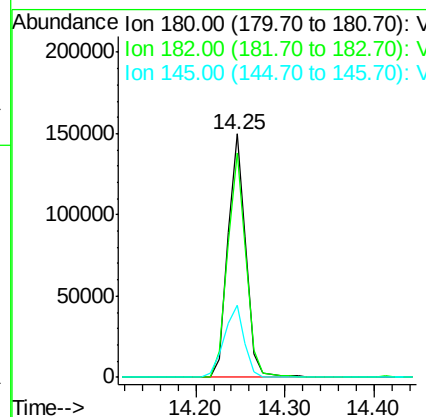
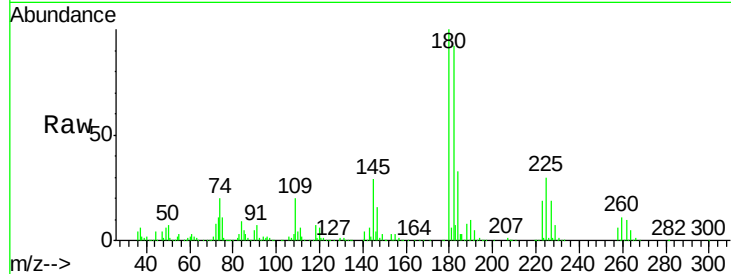
#93
 1,2,4-Trichlorobenzene
 Concen: 22.993 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213274		
182	92.0	49.7	149.1	
145	29.5	14.6	44.0	

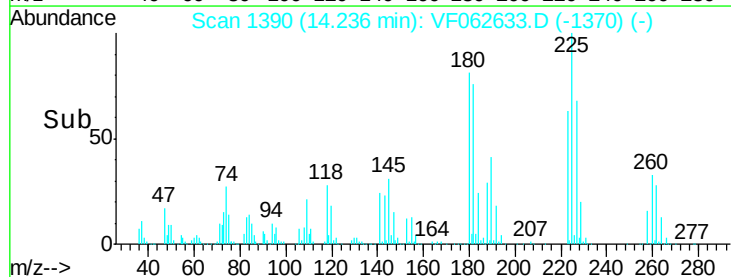
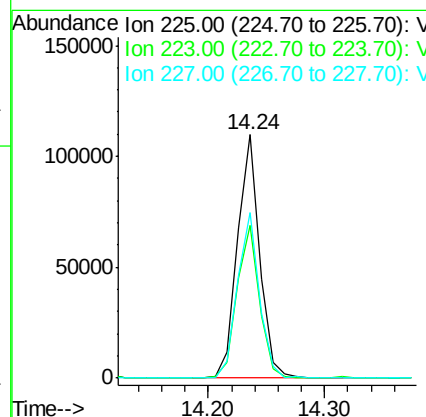
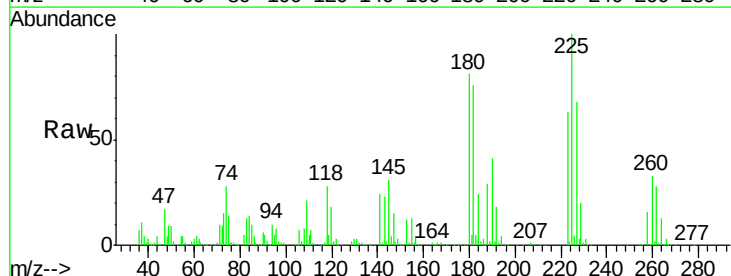
Manual Integrations
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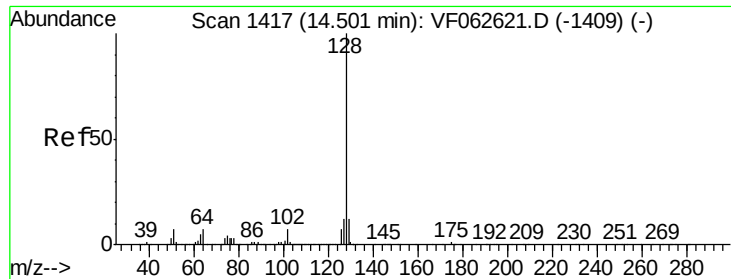
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#94
 Hexachlorobutadiene
 Concen: 22.360 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144737		
223	62.9	32.5	97.4	
227	68.1	34.5	103.5	





#95

Naphthalene

Concen: 21.694 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

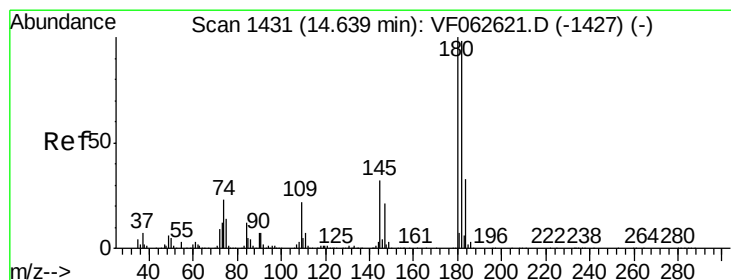
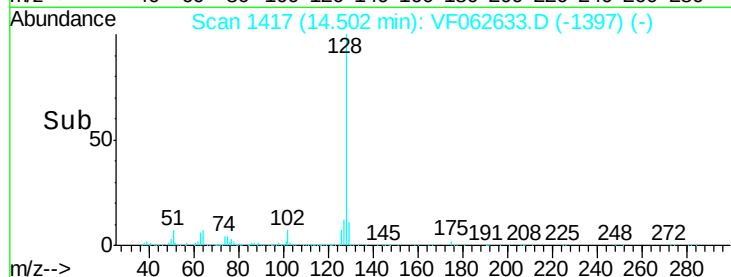
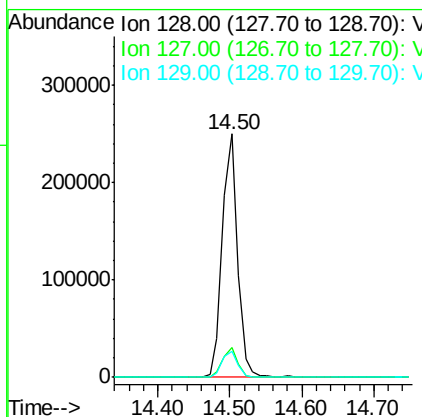
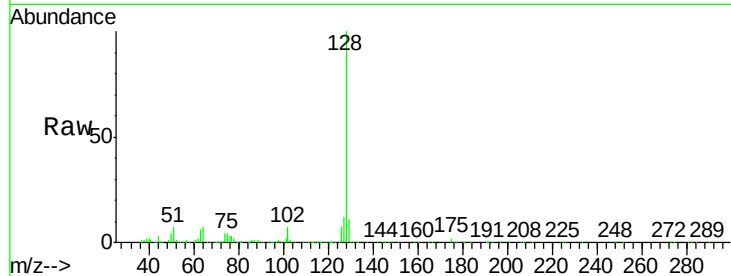
ClientSampleId :

VF0517SBS01

Tot Ion:	128	Resp:	365555
Ion Ratio		Lower	Upper
128	100		
127	12.3	9.7	14.5
129	10.5	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/20/2019 2:51:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.405 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion:	180	Resp:	196845
Ion Ratio		Lower	Upper
180	100		
182	100.4	48.9	146.7
145	29.9	16.1	48.2

