

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062760.D
 Acq On : 28 May 2019 14:56
 Operator : FY/SY
 Sample : VF0528SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:02:17 AM

Quant Time: May 29 02:14:09 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	860451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1386224	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1041894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	505177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	267676	44.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.04%	
35) Dibromofluoromethane	4.32	113	508193	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	7.73	98	1158969	45.76	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.52%	
62) 4-Bromofluorobenzene	11.51	95	437743	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	191355	16.342	ug/l	99
3) Chloromethane	1.15	50	165318	15.333	ug/l	97
4) Vinyl Chloride	1.20	62	159529	16.074	ug/l	97
5) Bromomethane	1.41	94	85308	15.712	ug/l	95
6) Chloroethane	1.47	64	56818	15.588	ug/l #	84
7) Trichlorofluoromethane	1.57	101	234919	17.629	ug/l	100
8) Diethyl Ether	1.72	74	47557	18.014	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.94	101	152222	17.939	ug/l	96
10) Methyl Iodide	2.01	142	288590m	17.313	ug/l	
11) Tert butyl alcohol	2.72	59	37686	93.879	ug/l #	77
12) 1,1-Dichloroethene	1.89	96	141612	18.321	ug/l	97
13) Acrolein	2.12	56	23771	56.728	ug/l	99
14) Allyl chloride	2.20	41	113613	16.240	ug/l	93
15) Acrylonitrile	3.10	53	150597	132.993	ug/l	93
16) Acetone	2.36	43	120626	76.469	ug/l #	88
17) Carbon Disulfide	1.93	76	378380m	16.516	ug/l	
18) Methyl Acetate	2.47	43	46846	18.898	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	284807	20.611	ug/l	95
20) Methylene Chloride	2.36	84	153880m	19.462	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	145637	19.277	ug/l	90
22) Diisopropyl ether	2.95	45	338825	19.637	ug/l	99
23) Vinyl Acetate	3.36	43	1151198	98.906	ug/l	99
24) 1,1-Dichloroethane	3.02	63	260507	20.581	ug/l	98
25) 2-Butanone	4.55	43	337538	100.154	ug/l	95
26) 2,2-Dichloropropane	3.79	77	150868	20.832	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	264602	21.292	ug/l	96
28) Bromochloromethane	3.93	49	136571	19.238	ug/l	97
29) Tetrahydrofuran	4.29	42	132393	97.076	ug/l	98
30) Chloroform	4.07	83	375919	21.391	ug/l	96
31) Cyclohexane	3.90	56	323374m	19.027	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	236664	20.277	ug/l	98
36) 1,1-Dichloropropene	4.49	75	294644	20.743	ug/l	94
37) Ethyl Acetate	4.32	43	112503	19.398	ug/l	84
38) Carbon Tetrachloride	4.21	117	195712	18.320	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	356571	20.862	ug/l	93
40) Benzene	4.84	78	899772	23.252	ug/l	100
41) Methacrylonitrile	4.96	41	57360	18.864	ug/l	95
42) 1,2-Dichloroethane	5.15	62	158084	20.486	ug/l	93
43) Isopropyl Acetate	7.13	43	143429	19.089	ug/l	91
44) Trichloroethene	5.70	130	246421	22.657	ug/l	98
45) 1,2-Dichloropropane	6.42	63	221162	22.640	ug/l	97
46) Dibromomethane	6.29	93	120931	21.421	ug/l	96
47) Bromodichloromethane	6.57	83	261793	22.337	ug/l	98
48) Methyl methacrylate	6.90	41	72927	18.569	ug/l	96
49) 1,4-Dioxane	6.91	88	18887	375.481	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	542504	105.629	ug/l	100
52) Toluene	7.80	92	445525	21.953	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	202932	21.164	ug/l	94
54) cis-1,3-Dichloropropene	7.48	75	313944	23.390	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	138013	22.968	ug/l	96
56) Ethyl methacrylate	8.77	69	138774	19.385	ug/l	94
57) 1,3-Dichloropropane	9.02	76	218761	21.374	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.47	63	247614	106.262	ug/l	96
59) 2-Hexanone	9.64	43	380654	103.469	ug/l	99
60) Dibromochloromethane	8.88	129	168589	21.527	ug/l	92
61) 1,2-Dibromoethane	9.15	107	138585	21.714	ug/l	93
64) Tetrachloroethene	8.33	164	181211	21.954	ug/l	98
65) Chlorobenzene	9.95	112	458848	22.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	195102	23.749	ug/l	97
67) Ethyl Benzene	10.05	91	821491	23.108	ug/l	99
68) m/p-Xylenes	10.28	106	611353	45.756	ug/l	86
69) o-Xylene	10.83	106	309977	22.524	ug/l	94
70) Styrene	10.91	104	455182	21.761	ug/l	97
71) Bromoform	10.89	173	87420	21.247	ug/l #	98
73) Isopropylbenzene	11.22	105	842133	23.259	ug/l	95
74) N-amyl acetate	11.46	43	236081	22.678	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	159674	21.579	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	100525	20.676	ug/l	96
77) Bromobenzene	11.59	156	191776	21.309	ug/l	93
78) n-propylbenzene	11.69	91	980523	22.883	ug/l	94
79) 2-Chlorotoluene	11.81	91	533739	22.102	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	658748	22.690	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	47446m	21.954	ug/l	
82) 4-Chlorotoluene	11.98	91	533680	22.411	ug/l	97
83) tert-Butylbenzene	12.21	119	670845	22.775	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	643019	22.884	ug/l	93
85) sec-Butylbenzene	12.38	105	892691	22.583	ug/l	95
86) p-Isopropyltoluene	12.53	119	756687	22.714	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	351956	21.615	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	334792	21.910	ug/l	98
89) n-Butylbenzene	12.91	91	767597	23.370	ug/l	94
90) Hexachloroethane	12.99	117	183042	22.905	ug/l	70
91) 1,2-Dichlorobenzene	13.01	146	318624	21.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	18703	21.188	ug/l	87

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ClientSampleId :
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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	202395	19.481	µg/l	98
94) Hexachlorobutadiene	14.24	225	144130	19.879	µg/l	96
95) Naphthalene	14.51	128	347201	18.395	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	186326	18.934	µg/l	99

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

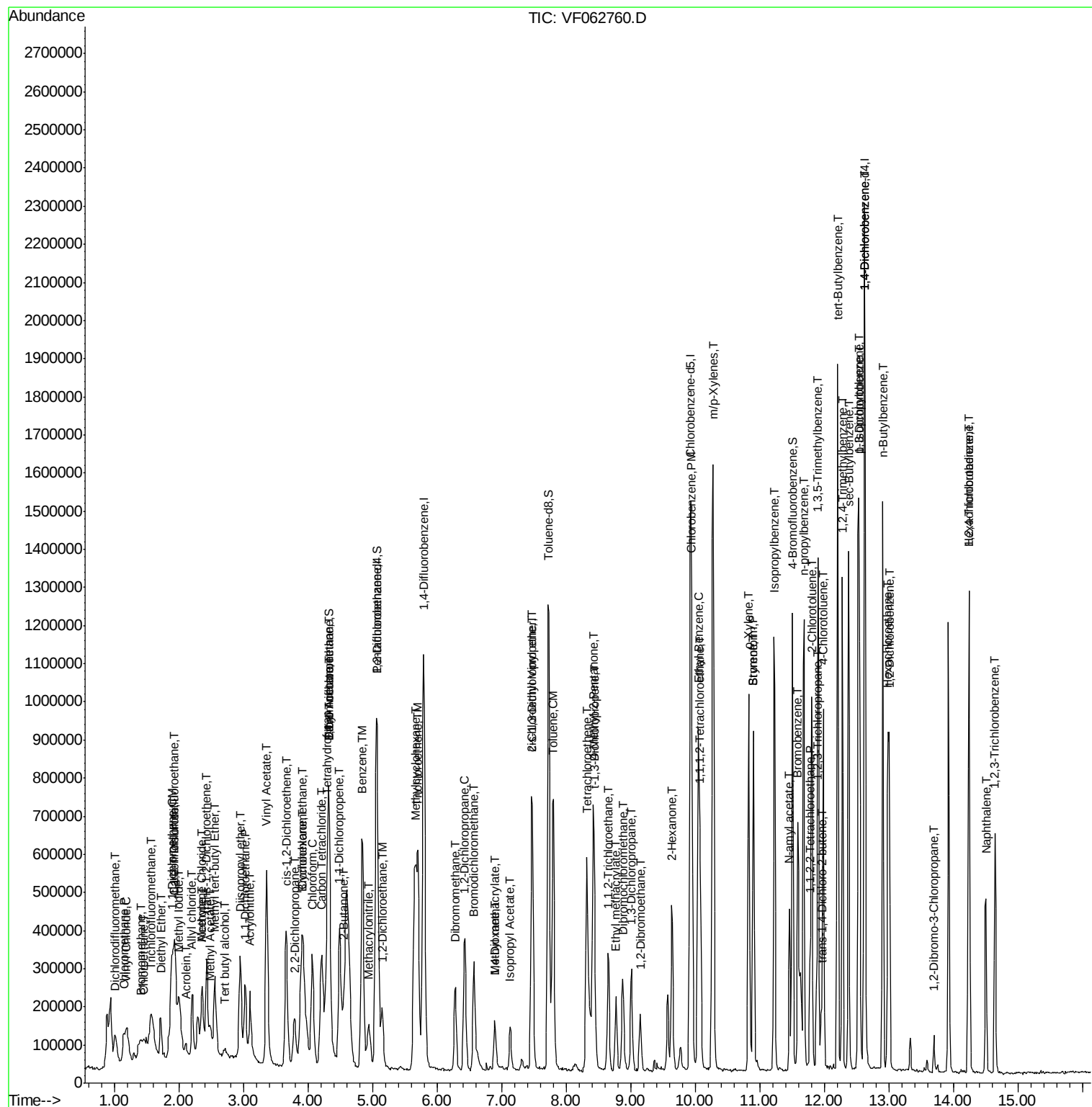
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Acq On : 28 May 2019 14:56
Operator : FY/SY
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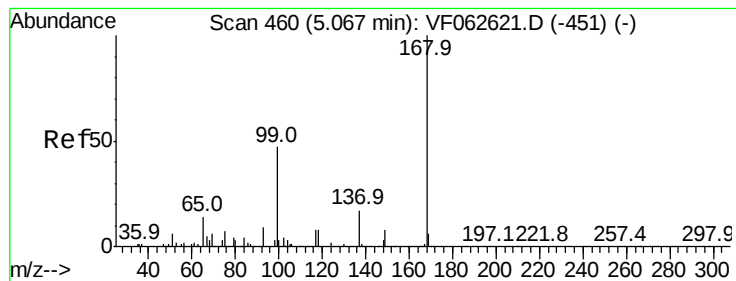
Instrument :
MSVOA_F
ClientSampleId :
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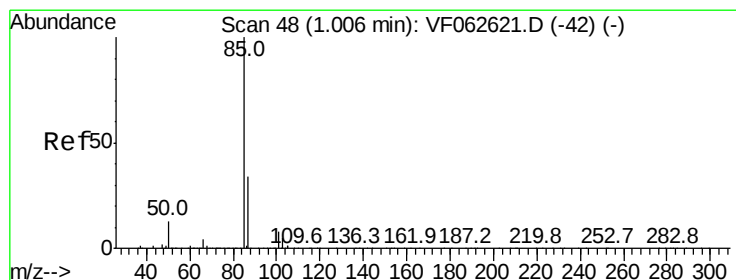
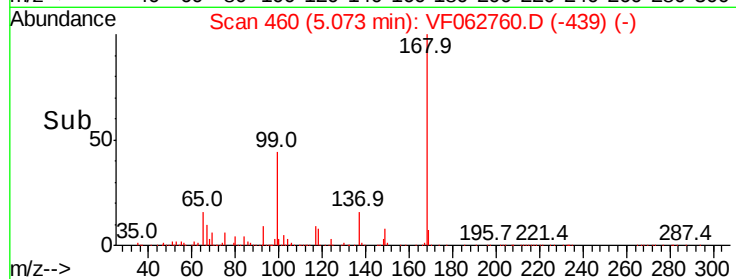
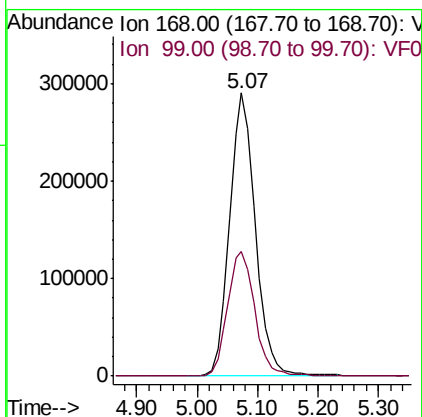
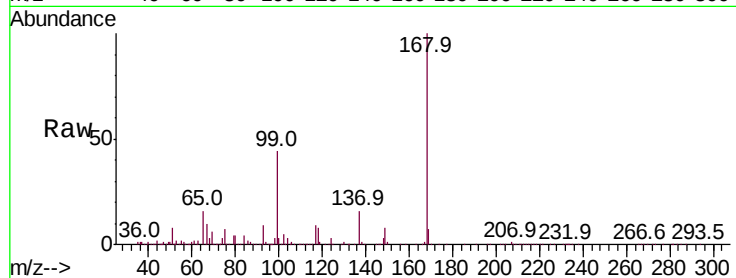
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.07 min Scan# 460
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
168	100	860451		
99	43.9		37.8	56.8

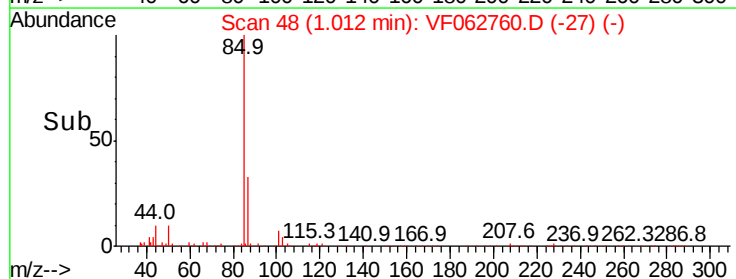
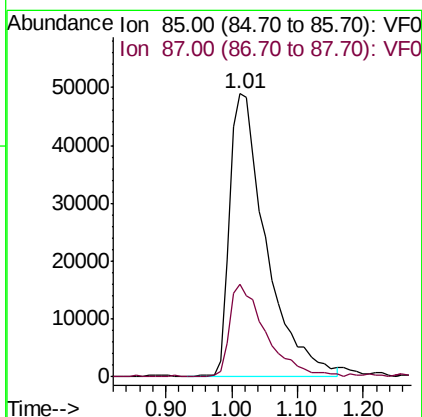
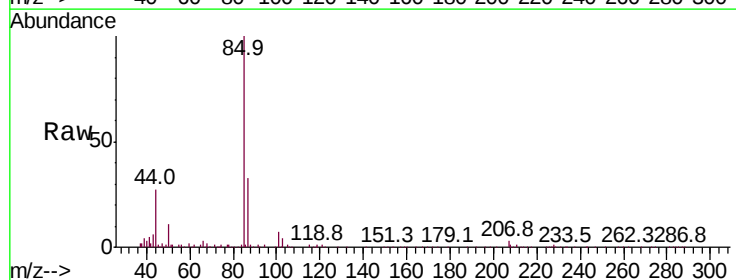
Manual Integrations
APPROVED

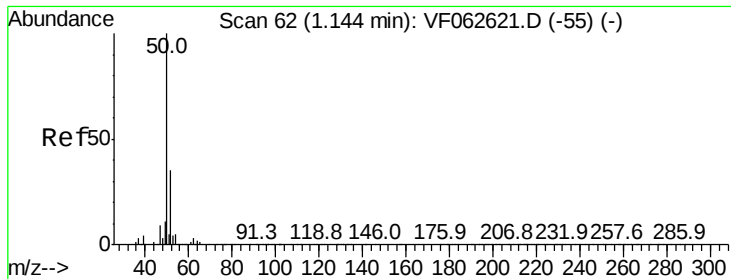
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#2
Dichlorodifluoromethane
Concen: 16.342 ug/l
RT: 1.01 min Scan# 48
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	191355		
87	32.9		16.8	50.3





#3

Chloromethane

Concen: 15.333 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 50 Resp: 165318

Ion Ratio Lower Upper

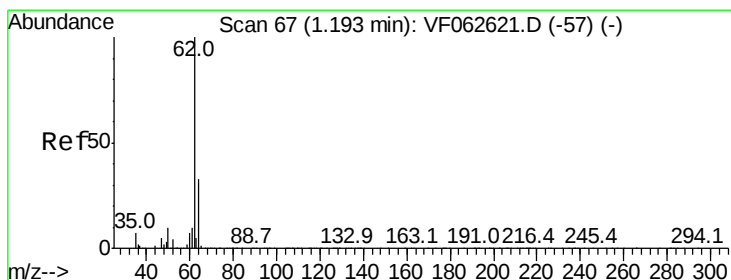
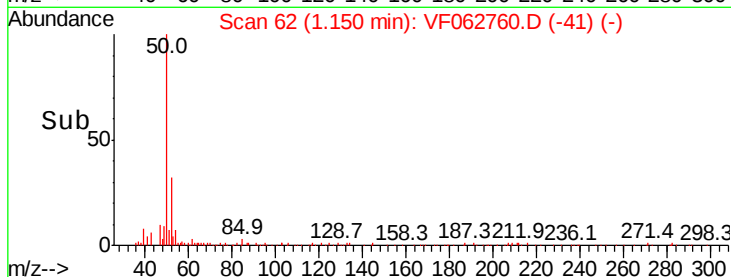
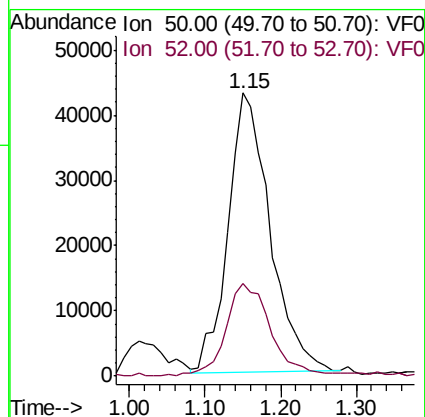
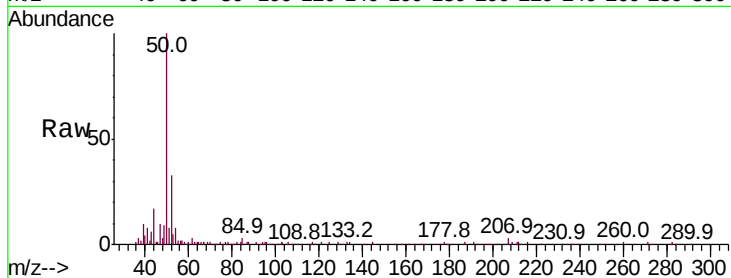
50 100

52 32.7 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.074 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062760.D

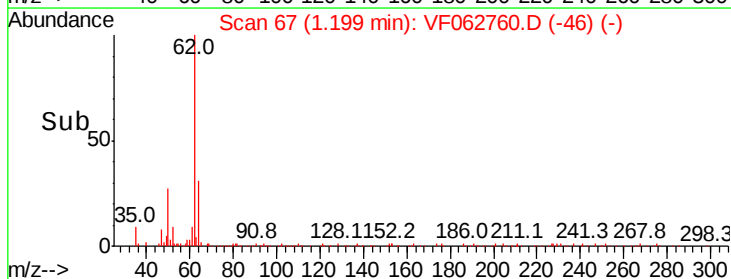
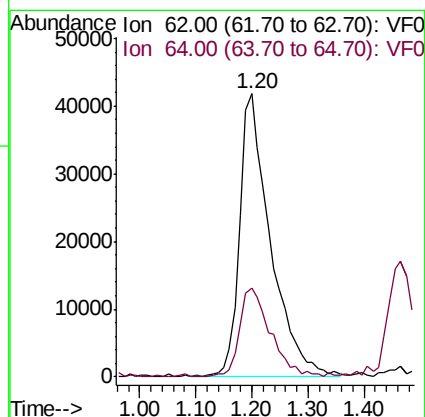
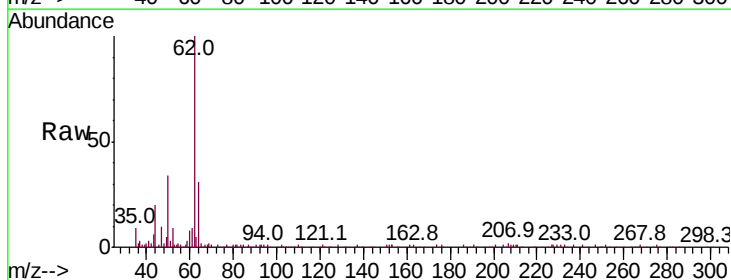
Acq: 28 May 2019 14:56

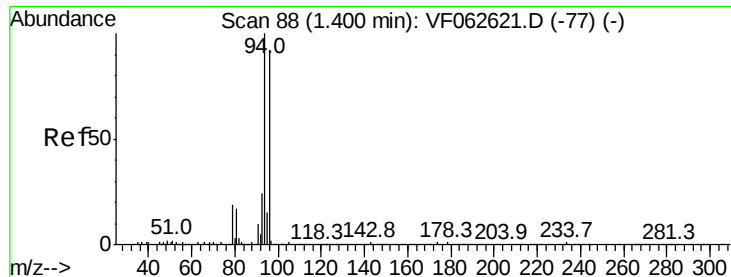
Tgt Ion: 62 Resp: 159529

Ion Ratio Lower Upper

62 100

64 31.4 26.7 40.1





#5

Bromomethane

Concen: 15.712 ug/l

RT: 1.41 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 94 Resp: 85308

Ion Ratio Lower Upper

94 100

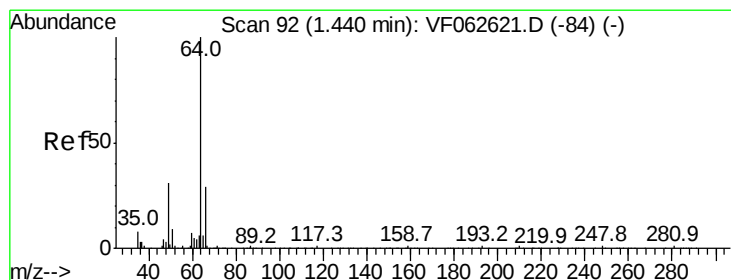
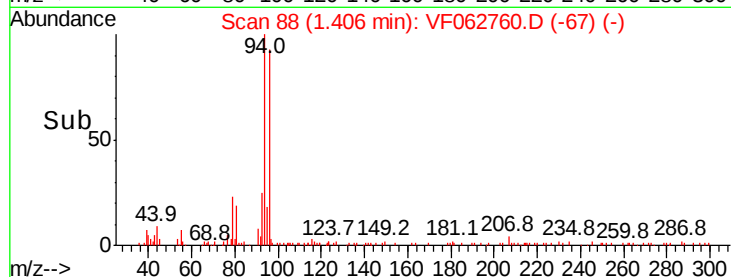
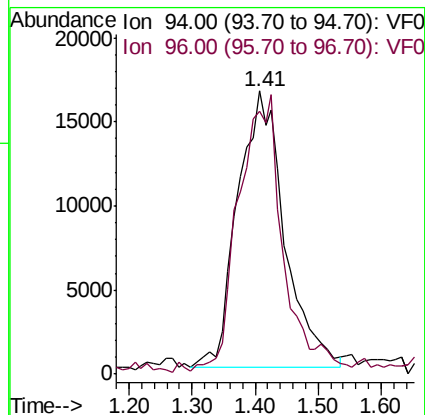
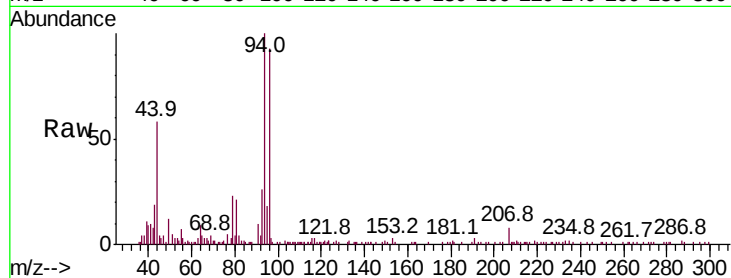
96 96.1 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 15.588 ug/l

RT: 1.47 min Scan# 94

Delta R.T. 0.03 min

Lab File: VF062760.D

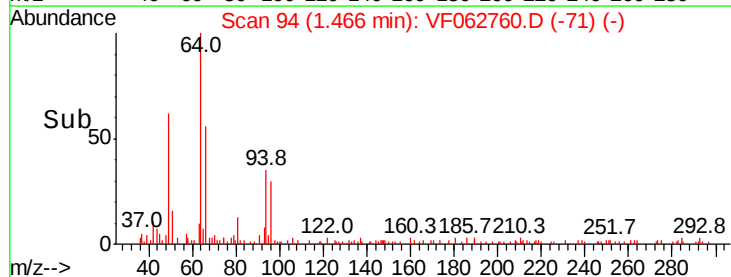
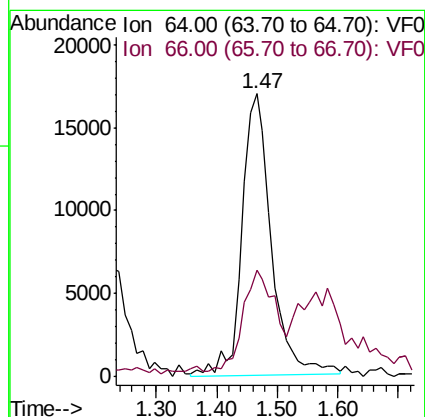
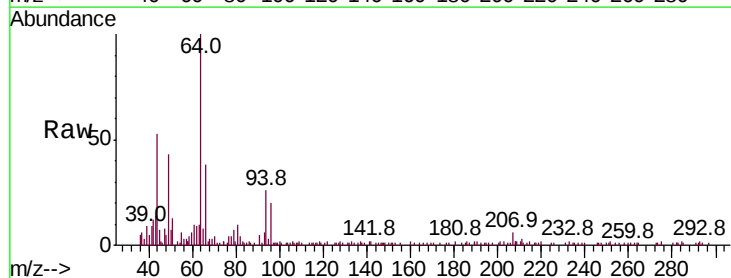
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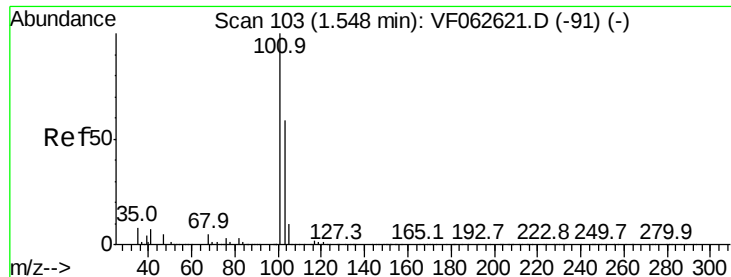
Tgt Ion: 64 Resp: 56818

Ion Ratio Lower Upper

64 100

66 37.7 23.4 35.2#





#7

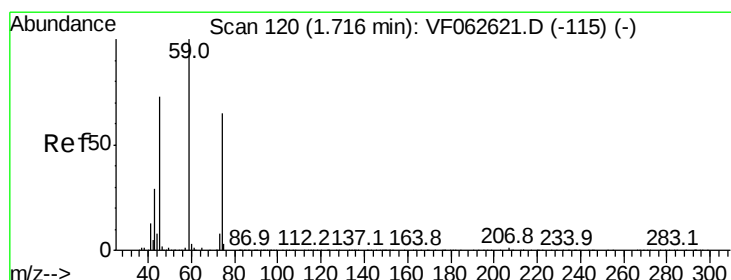
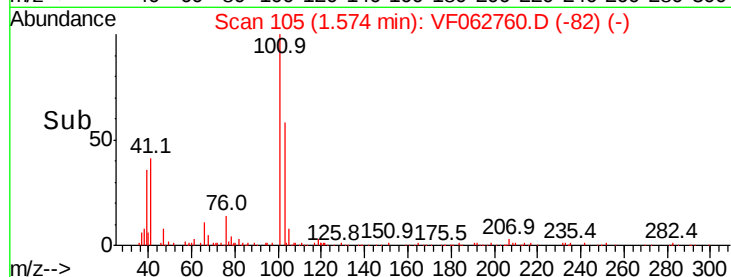
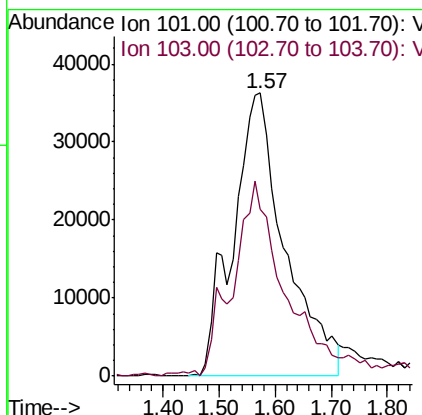
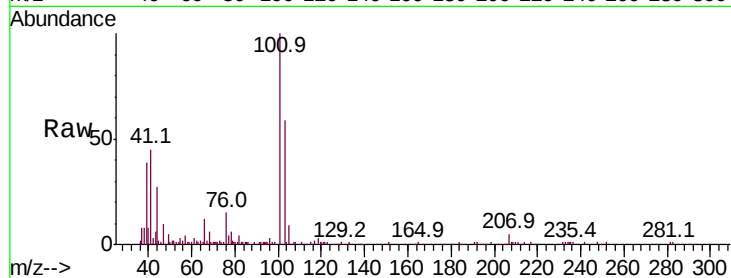
Trichlorofluoromethane
Concen: 17.629 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.03 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	234919		
103	59.1	47.3	70.9	

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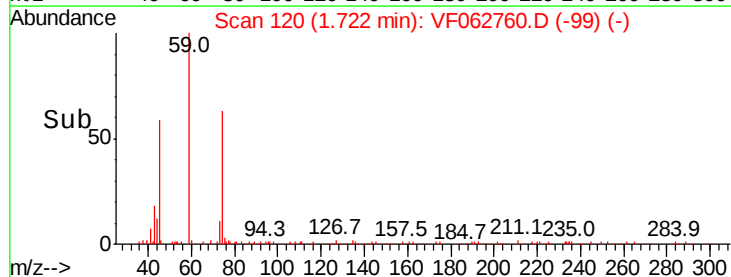
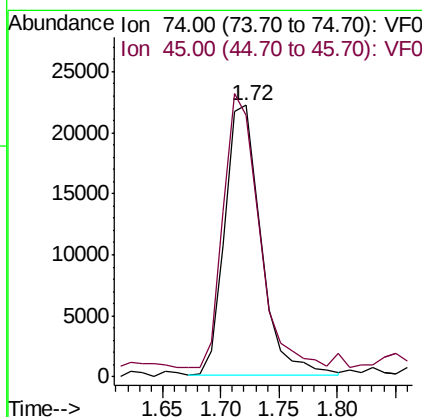
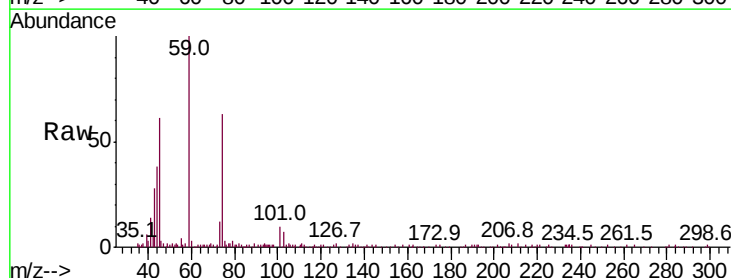
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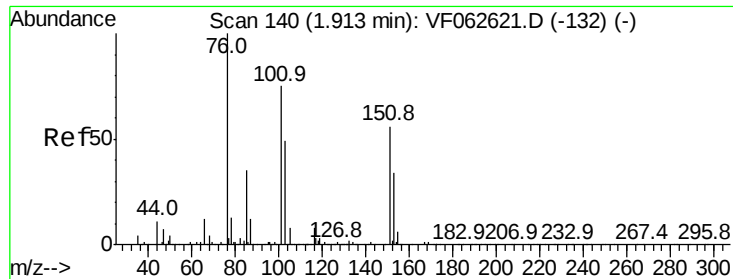


#8

Diethyl Ether
Concen: 18.014 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	47557		
45	96.3	57.0	170.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.939 ug/l

RT: 1.94 min Scan# 142

Delta R.T. 0.03 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

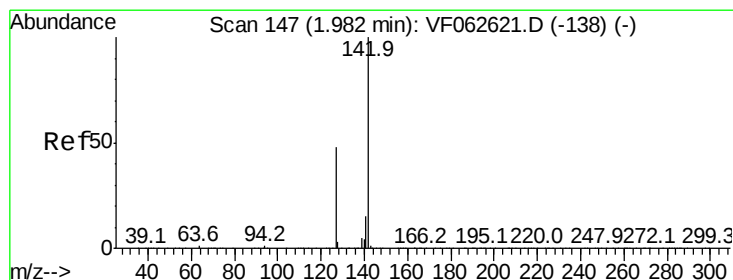
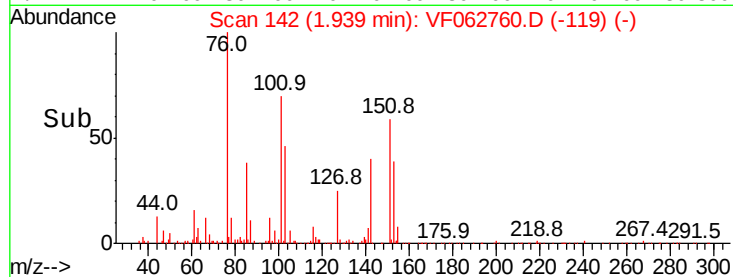
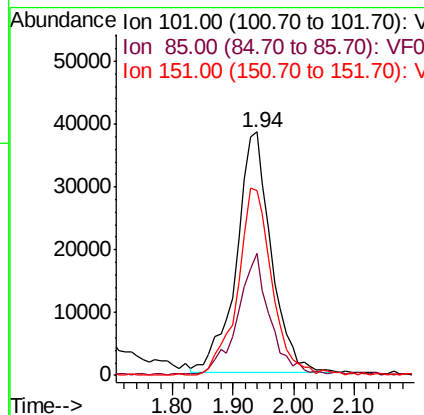
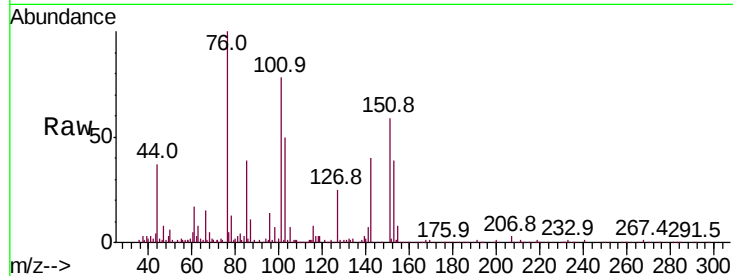
ClientSampleId :

VF0528SBS02

Tot Ion:	101	Resp:	152222
Ion Ratio	Lower	Upper	
101	100		
85	50.0	37.1	55.7
151	75.8	58.8	88.2

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#10

Methyl Iodide

Concen: 17.313 ug/l m

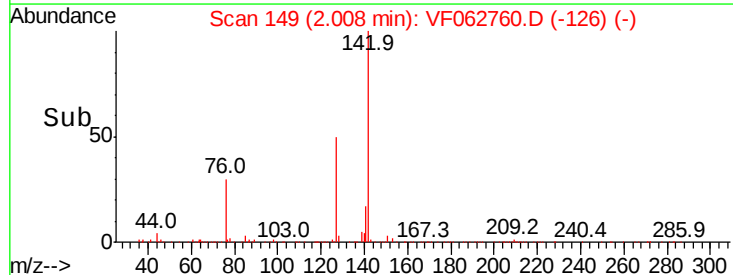
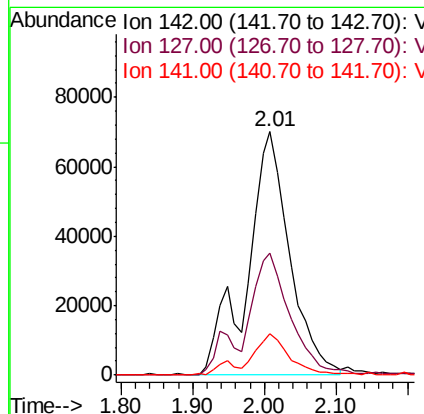
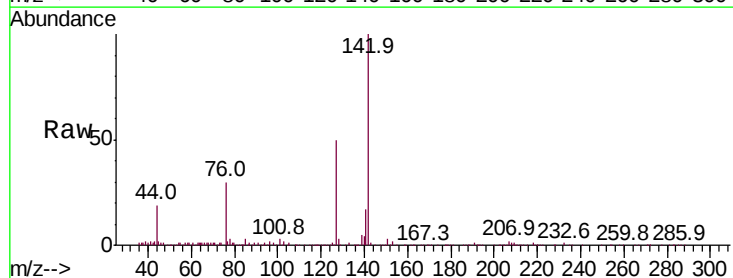
RT: 2.01 min Scan# 149

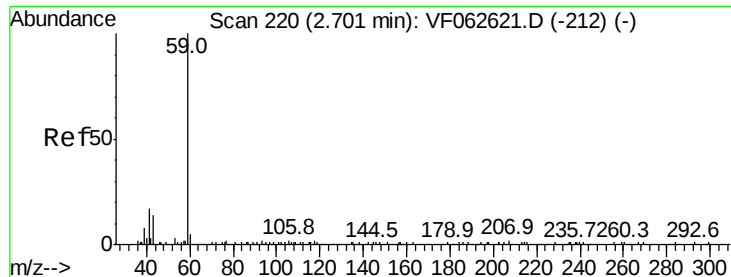
Delta R.T. 0.03 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	142	Resp:	288590
Ion Ratio	Lower	Upper	
142	100		
127	50.0	38.1	57.1
141	16.8	11.7	17.5





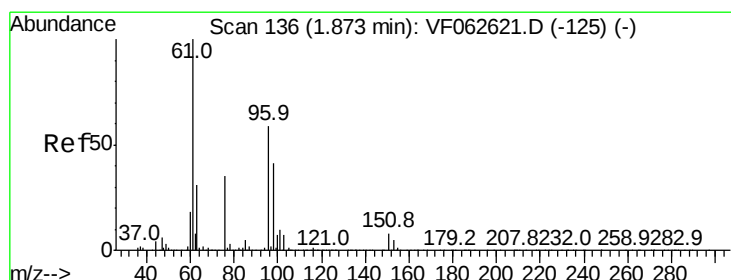
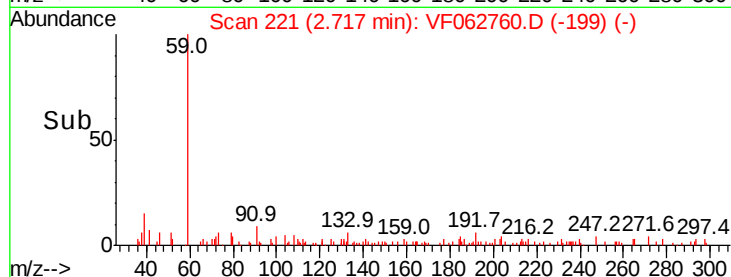
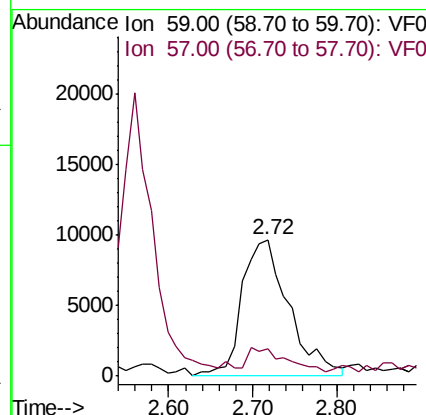
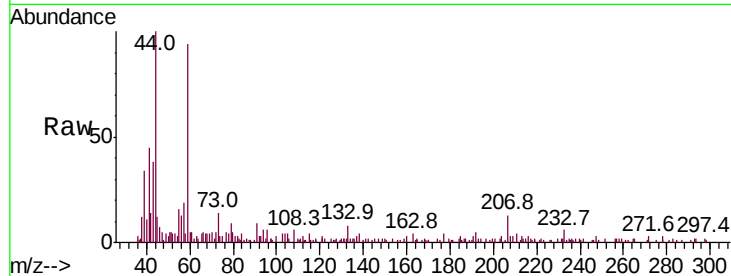
#11
Tert butyl alcohol
Concen: 93.879 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion: 59 Resp: 37686
Ion Ratio Lower Upper
59 100
57 20.5 9.3 13.9#

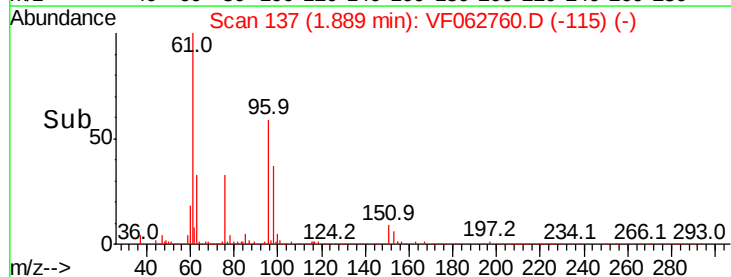
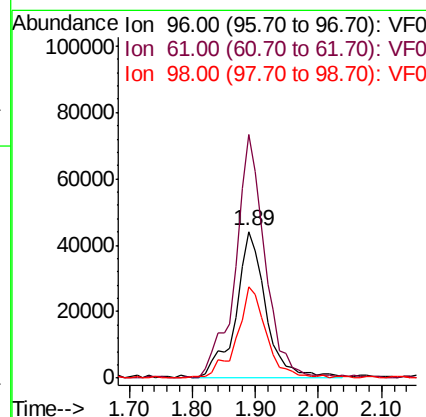
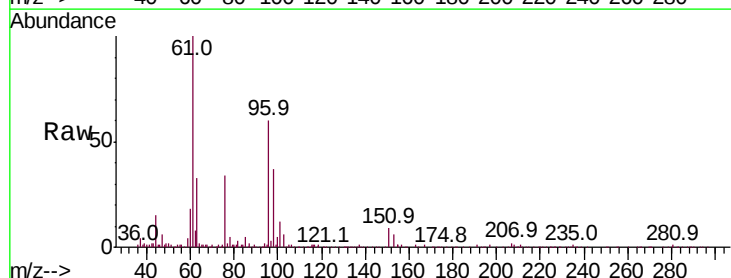
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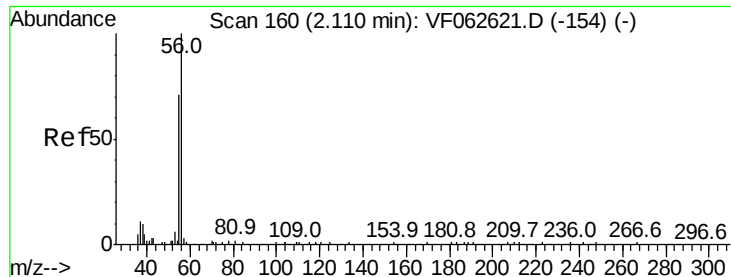
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#12
1,1-Dichloroethene
Concen: 18.321 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 96 Resp: 141612
Ion Ratio Lower Upper
96 100
61 166.1 134.3 201.5
98 61.9 55.0 82.6





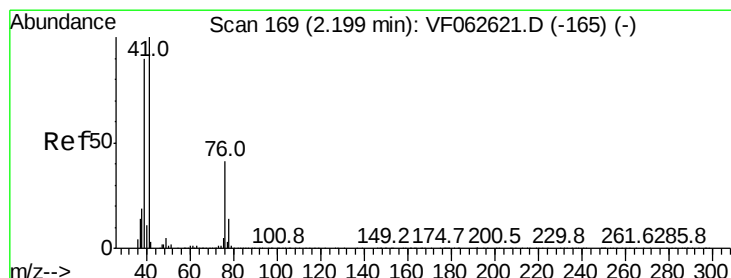
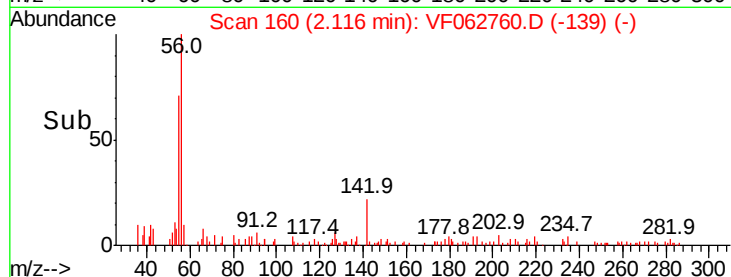
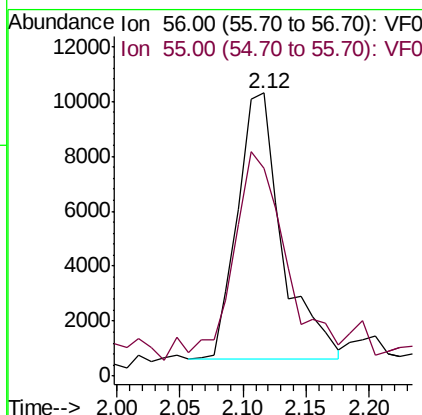
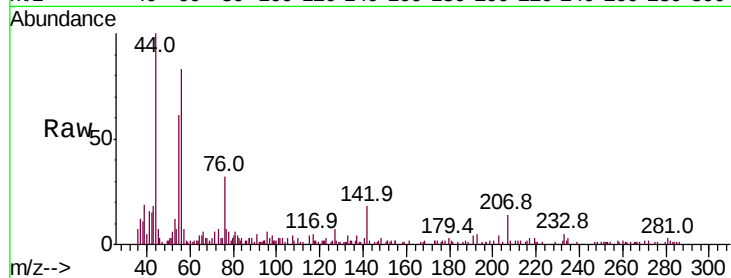
#13
Acrolein
Concen: 56.728 ug/l
RT: 2.12 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.4	59.4	89.0

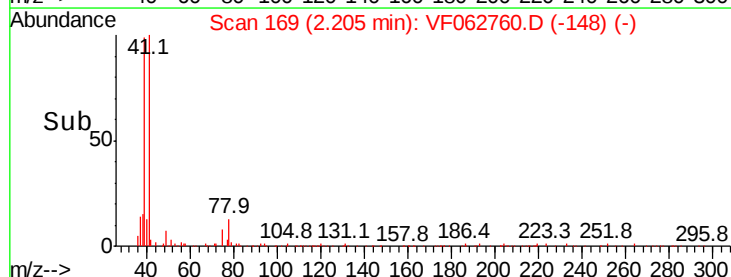
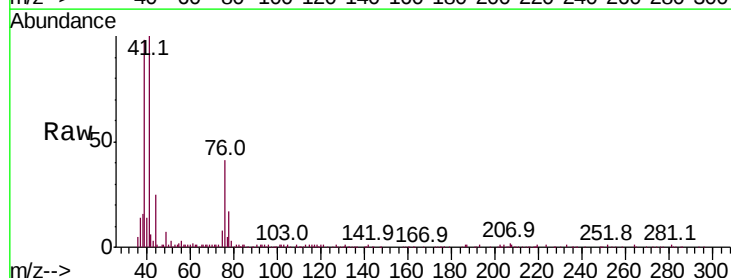
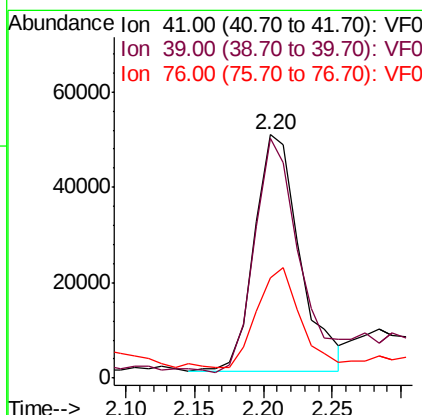
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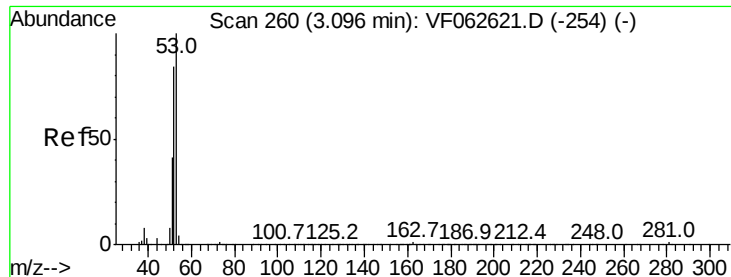
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#14
Allyl chloride
Concen: 16.240 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	98.2	72.0	108.0
76	41.3	34.8	52.2





#15

Acrylonitrile

Concen: 132.993 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

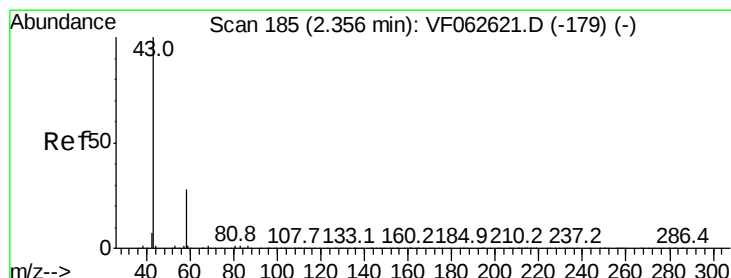
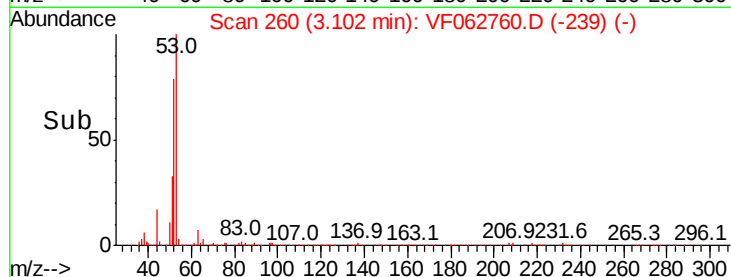
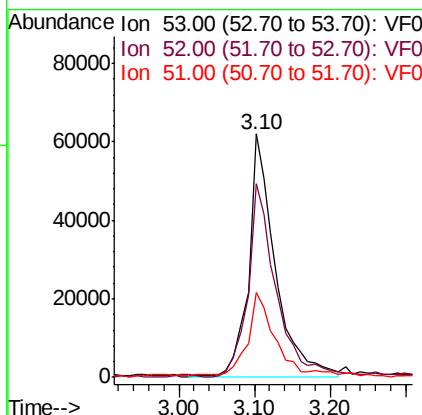
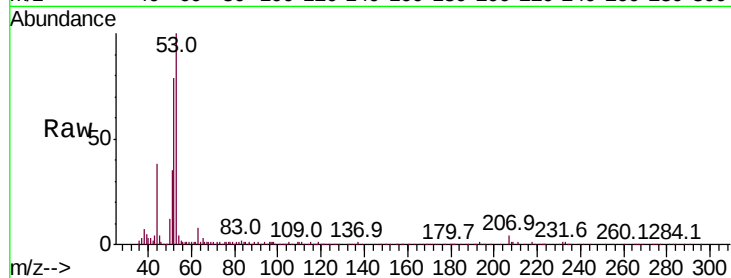
ClientSampleId :

VF0528SBS02

Tot Ion:	53	Resp:	150597
Ion Ratio		Lower	Upper
53	100		
52	79.4	67.3	100.9
51	34.8	33.0	49.6

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#16

Acetone

Concen: 76.469 ug/l

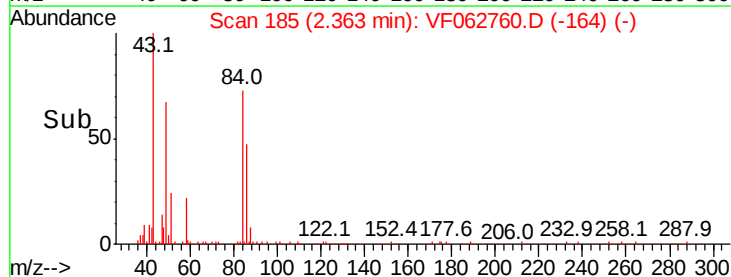
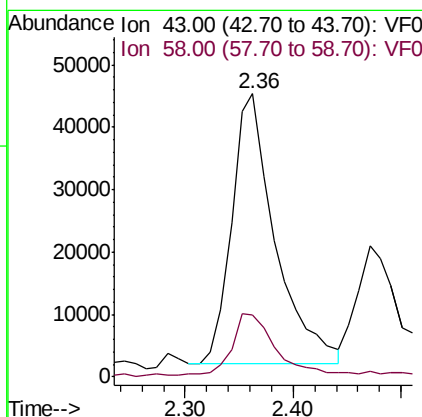
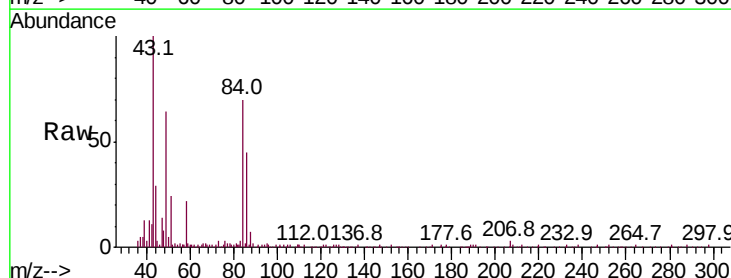
RT: 2.36 min Scan# 185

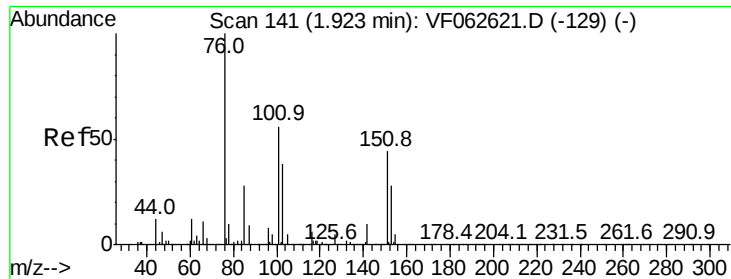
Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	43	Resp:	120626
Ion Ratio		Lower	Upper
43	100		
58	22.1	22.6	33.8#





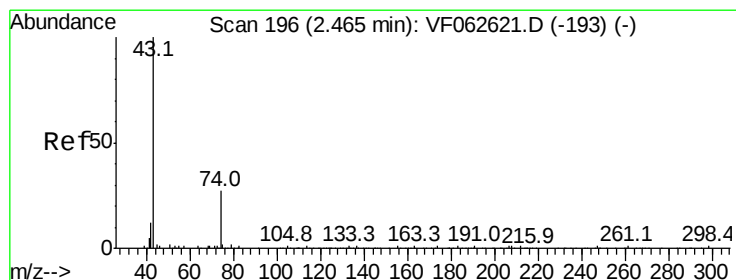
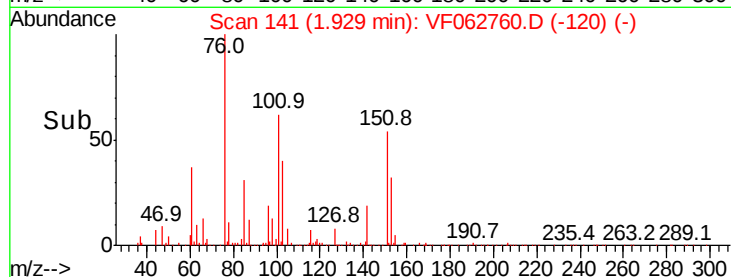
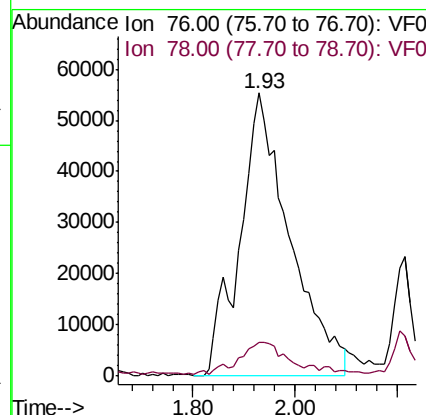
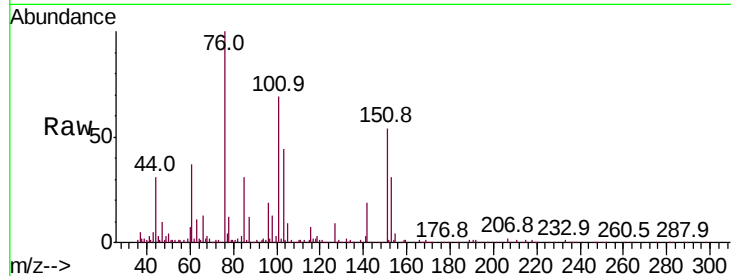
#17
Carbon Disulfide
Concen: 16.516 ug/l m
RT: 1.93 min Scan# 141
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion: 76 Resp: 378380
Ion Ratio Lower Upper
76 100
78 11.9 8.4 12.6

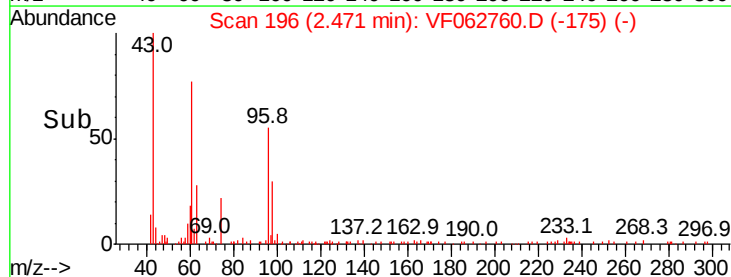
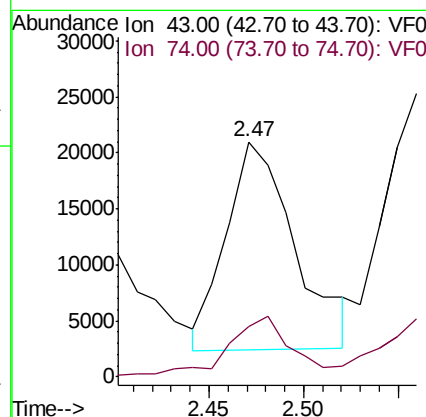
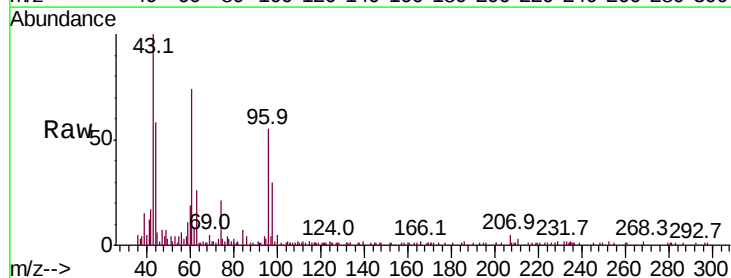
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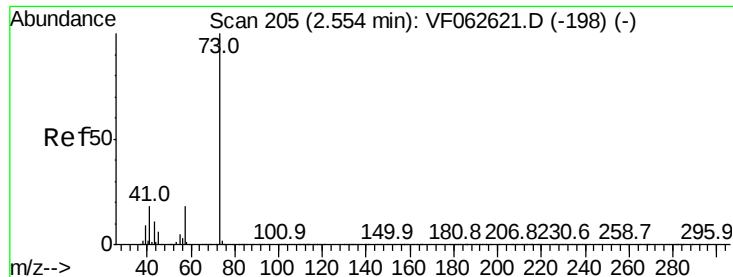
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#18
Methyl Acetate
Concen: 18.898 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 43 Resp: 46846
Ion Ratio Lower Upper
43 100
74 21.4 18.9 28.3





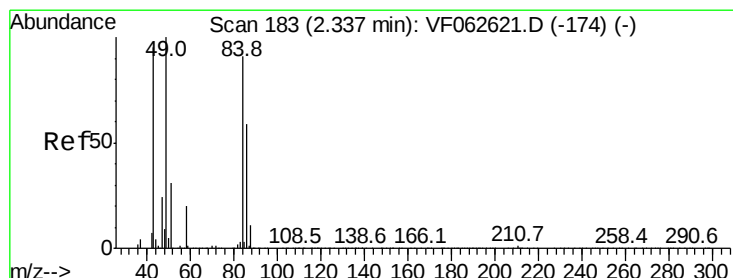
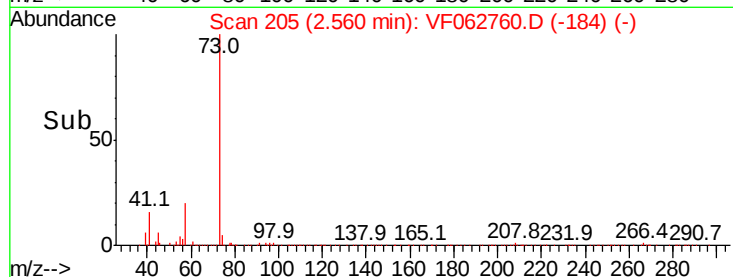
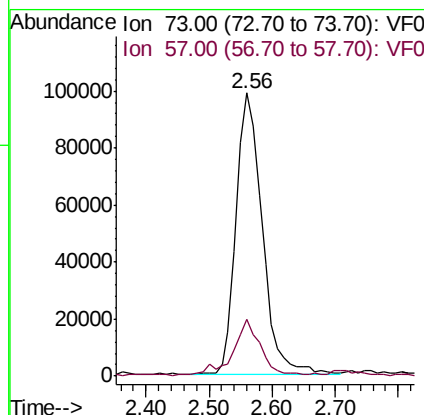
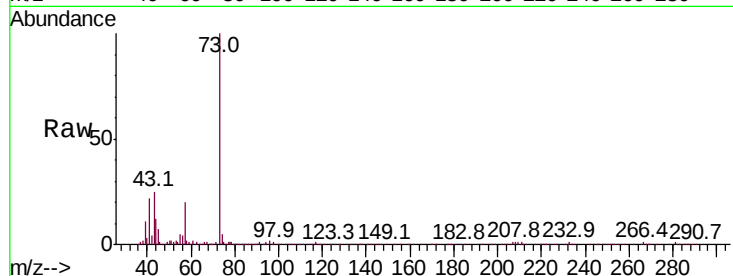
#19
Methyl tert-butyl Ether
Concen: 20.611 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	14.2	21.4

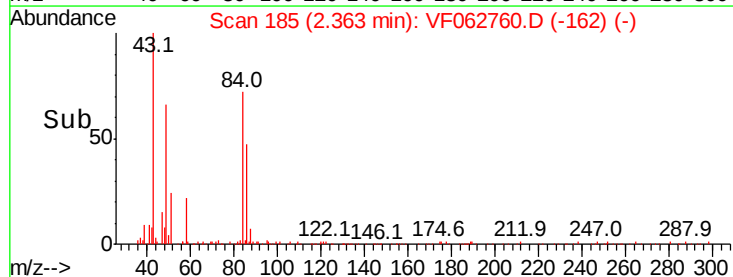
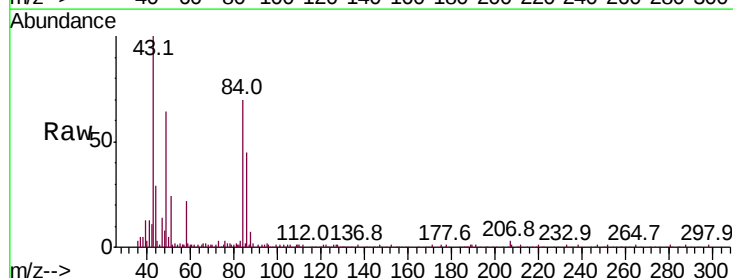
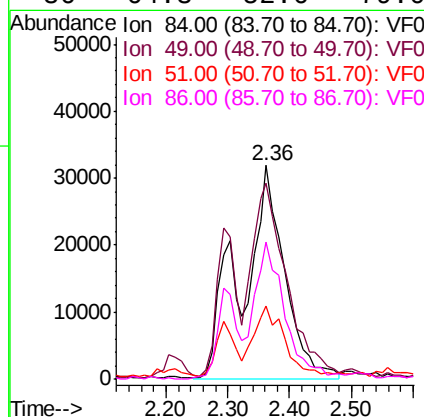
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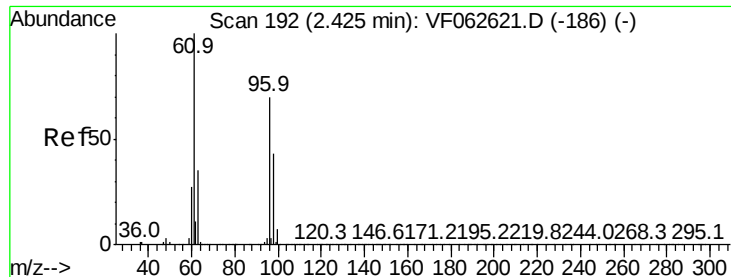
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#20
Methylene Chloride
Concen: 19.462 ug/l m
RT: 2.36 min Scan# 185
Delta R.T. 0.03 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	91.6	89.8	134.8
51	34.3	28.4	42.6
86	64.3	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.277 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062760.D

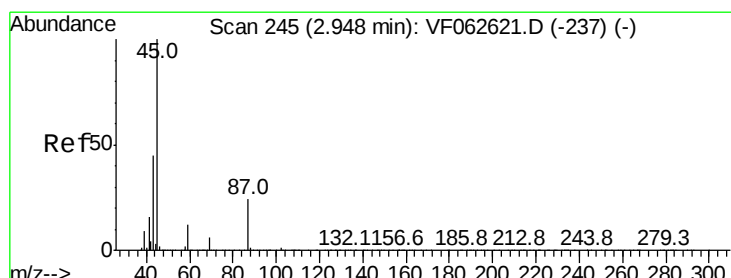
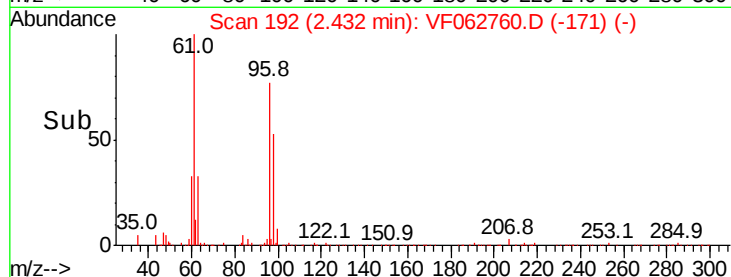
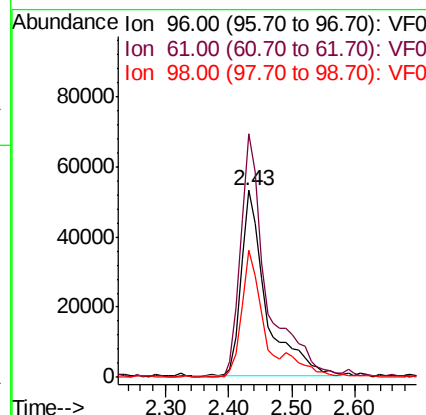
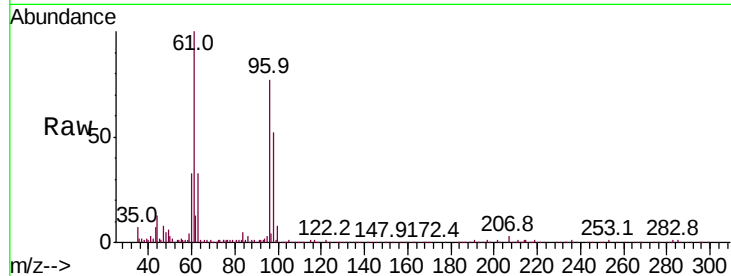
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.3	114.6	171.8
98	68.3	49.5	74.3

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#22

Diisopropyl ether

Concen: 19.637 ug/l

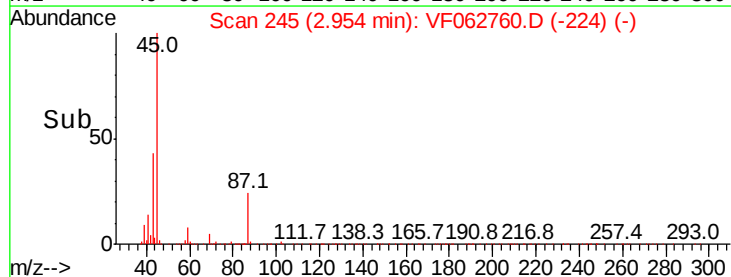
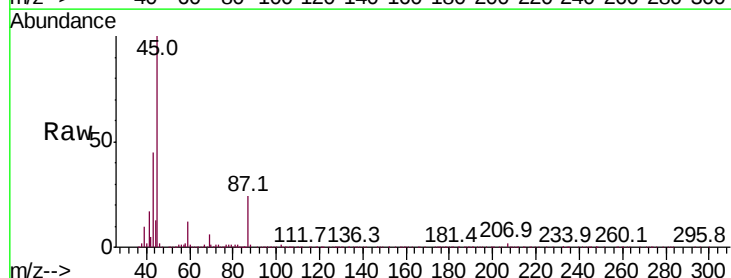
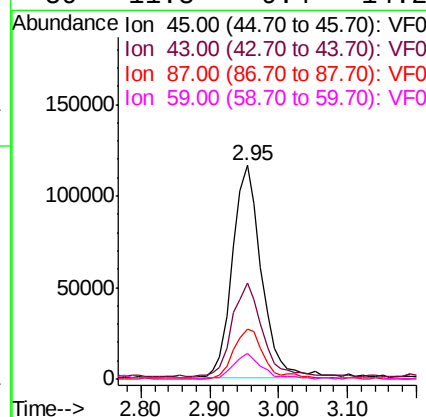
RT: 2.95 min Scan# 245

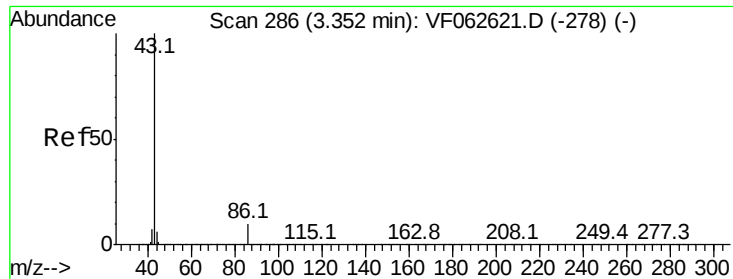
Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	44.9	36.4	54.6
87	23.6	19.3	28.9
59	11.8	9.4	14.2





#23

Vinyl Acetate

Concen: 98.906 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 43 Resp: 1151198

Ion Ratio Lower Upper

43 100

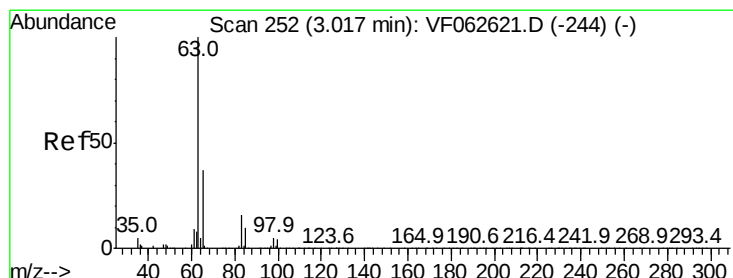
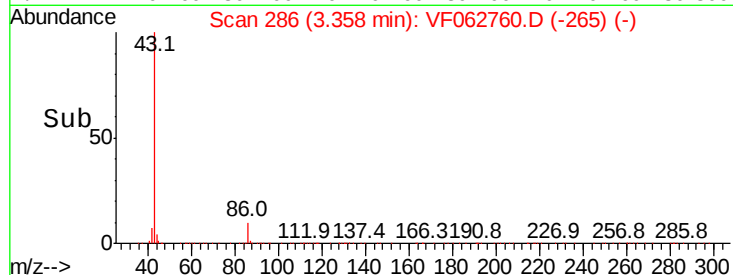
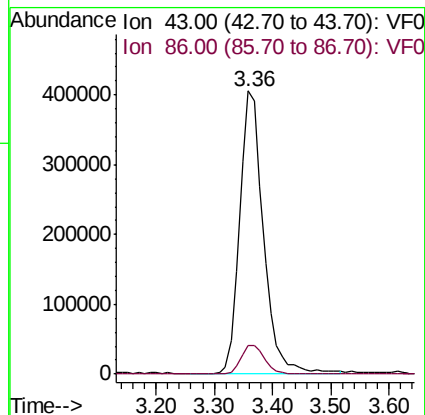
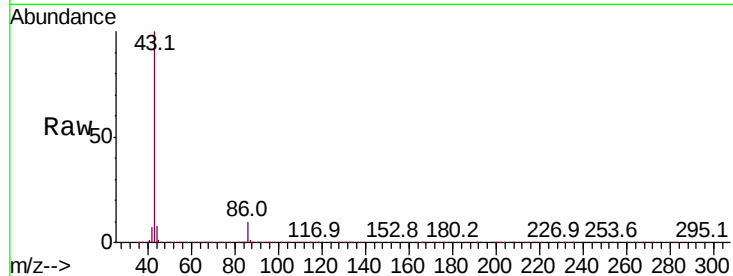
86 10.0 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 20.581 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

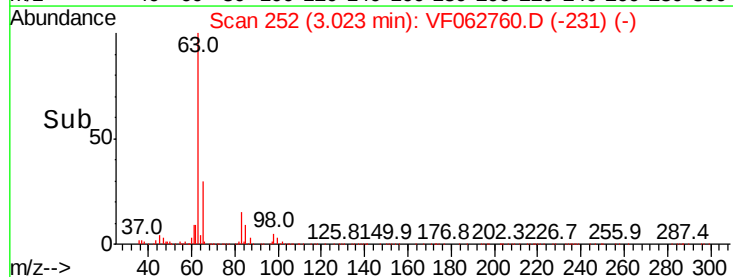
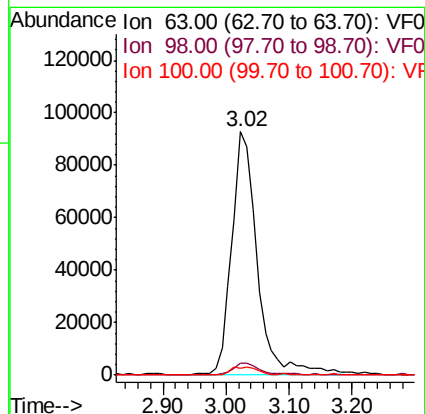
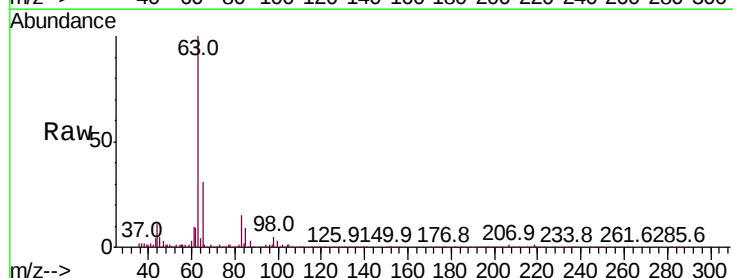
Tgt Ion: 63 Resp: 260507

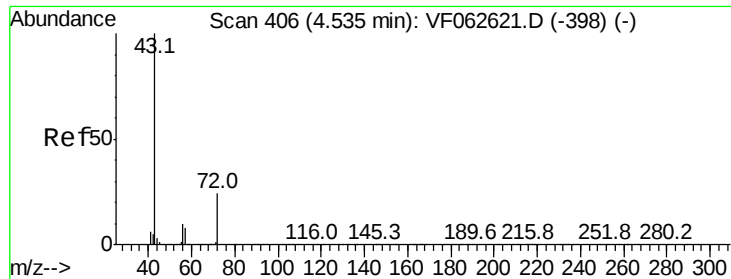
Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

100 2.7 1.9 5.7





#25

2-Butanone

Concen: 100.154 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 43 Resp: 337538

Ion Ratio Lower Upper

43 100

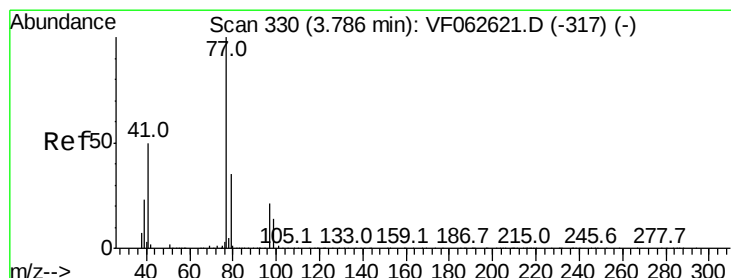
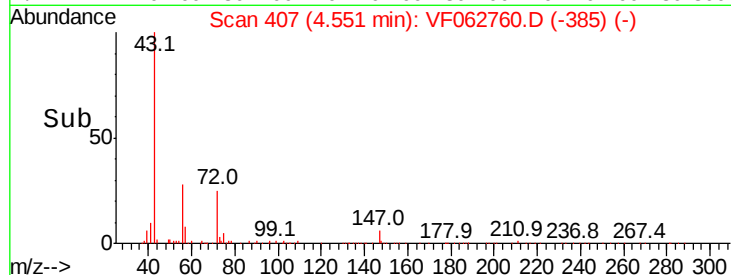
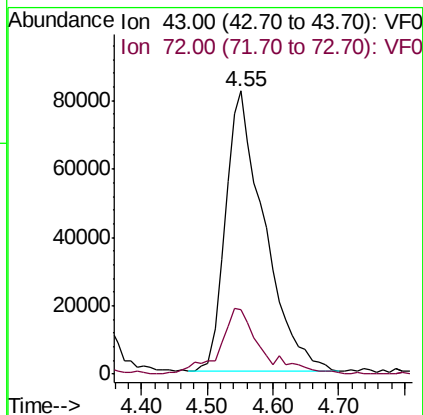
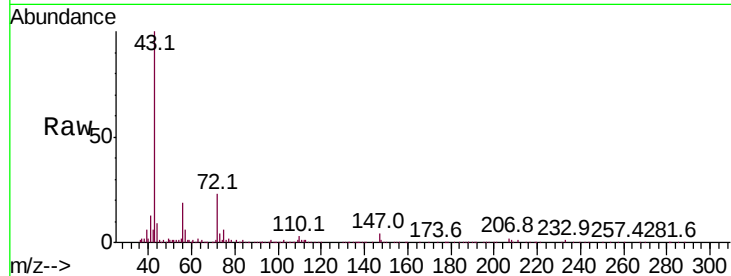
72 22.6 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.832 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062760.D

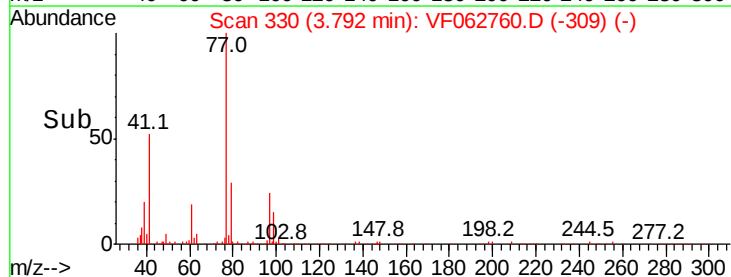
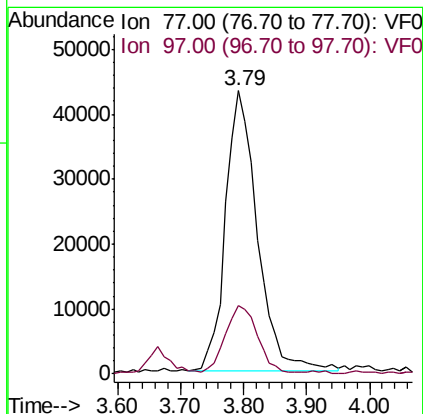
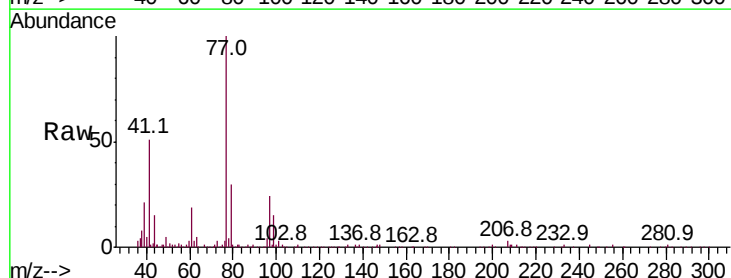
Acq: 28 May 2019 14:56

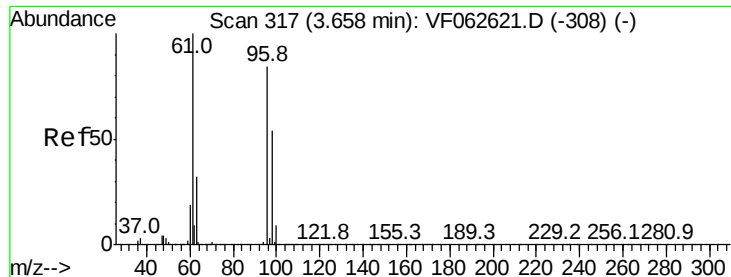
Tgt Ion: 77 Resp: 150868

Ion Ratio Lower Upper

77 100

97 24.2 14.1 42.4





#27

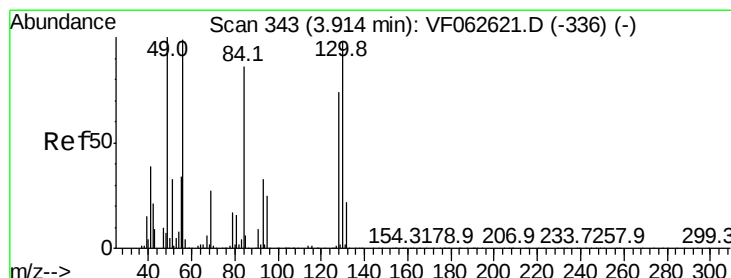
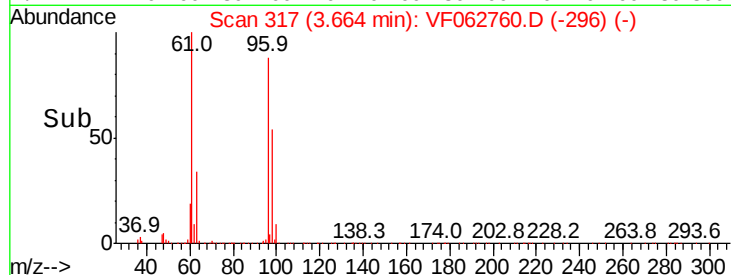
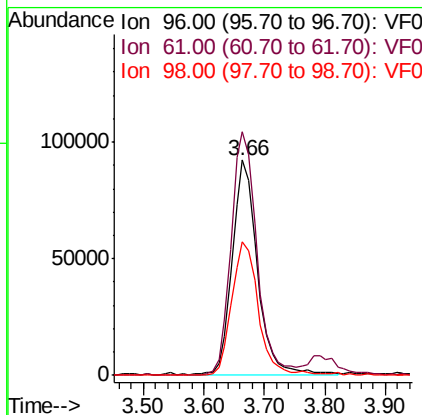
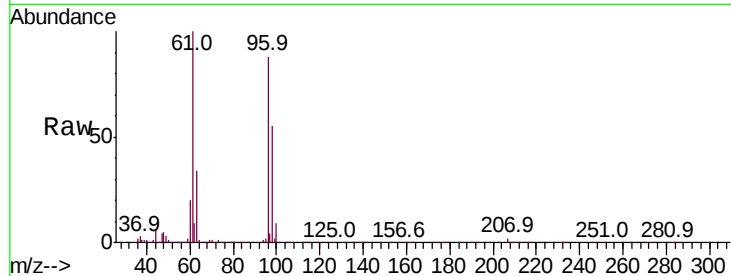
cis-1,2-Dichloroethene
Concen: 21.292 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	264602		
61	113.3	0.0	237.4	
98	61.9	0.0	129.0	

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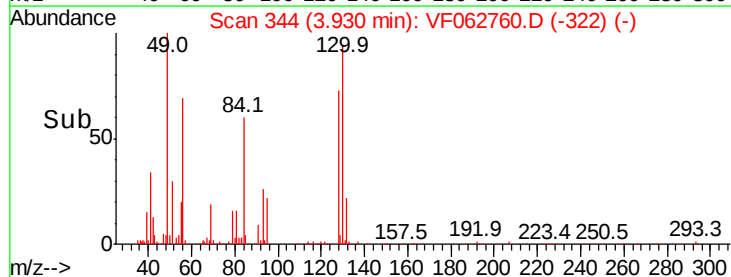
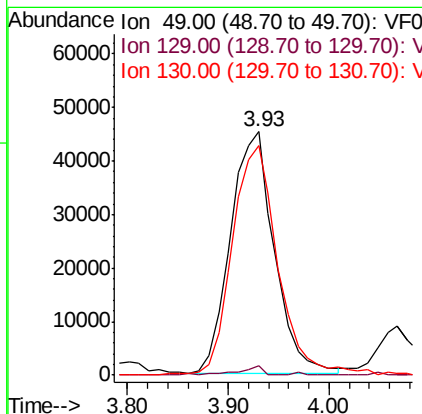
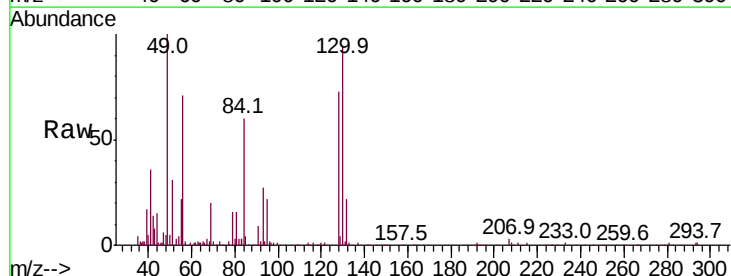
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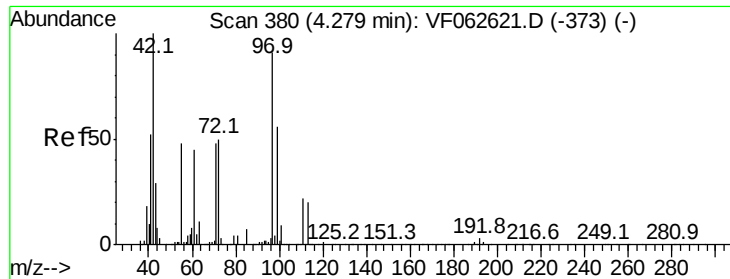


#28

Bromochloromethane
Concen: 19.238 ug/l
RT: 3.93 min Scan# 344
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136571		
129	3.8	0.0	4.0	
130	94.2	77.8	116.8	





#29

Tetrahydrofuran

Concen: 97.076 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

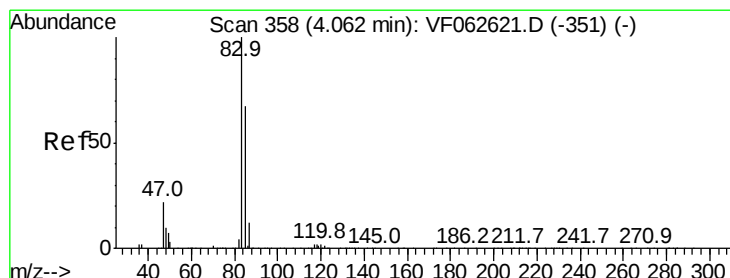
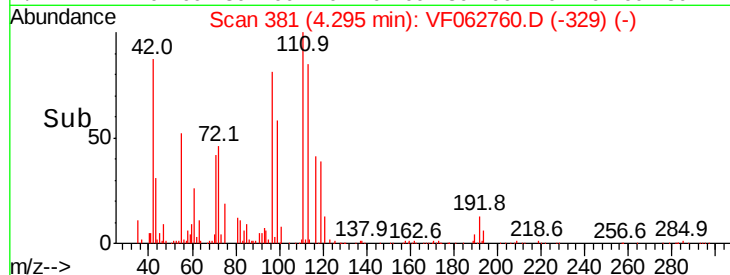
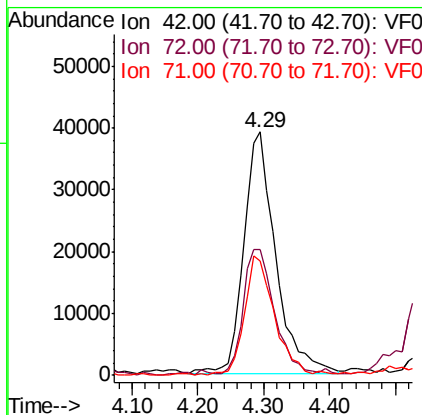
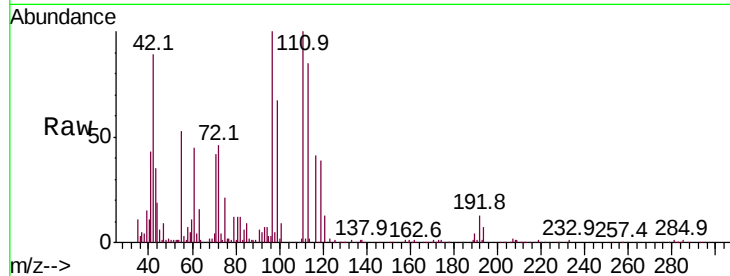
ClientSampleId :

VF0528SBS02

Tot Ion:	42	Resp:	132393
Ion Ratio	Lower	Upper	
42	100		
72	49.9	38.2	57.2
71	45.6	35.8	53.6

Manual Integrations
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#30

Chloroform

Concen: 21.391 ug/l

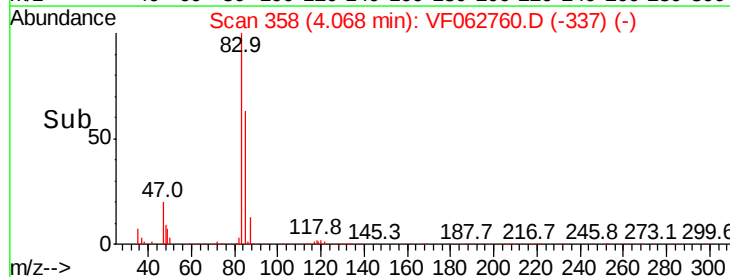
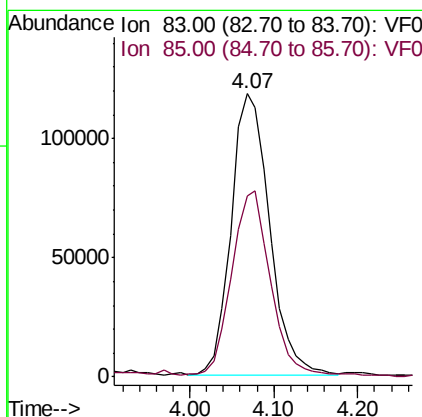
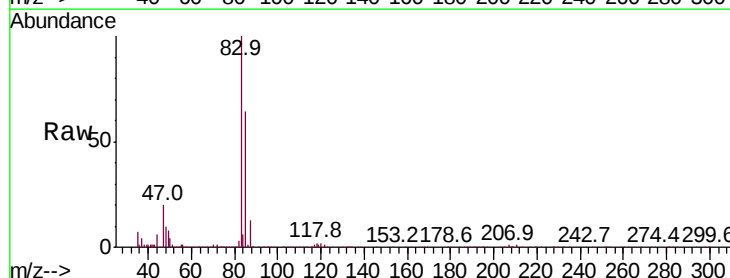
RT: 4.07 min Scan# 358

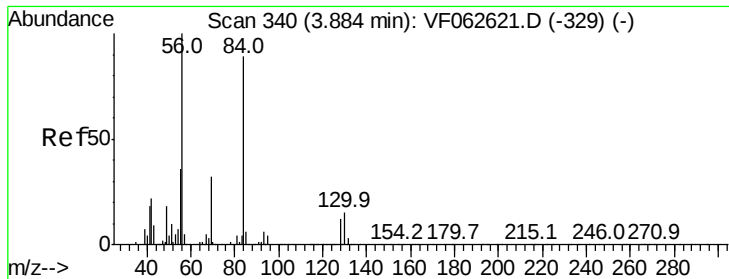
Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	83	Resp:	375919
Ion Ratio	Lower	Upper	
83	100		
85	63.8	53.6	80.4





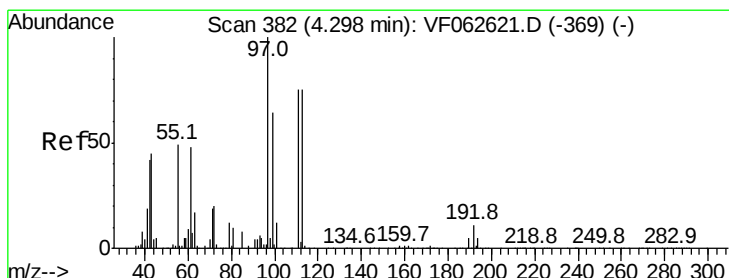
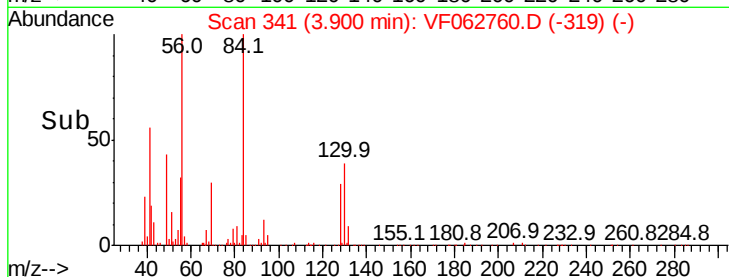
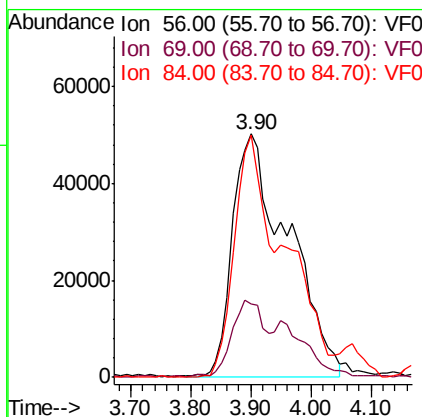
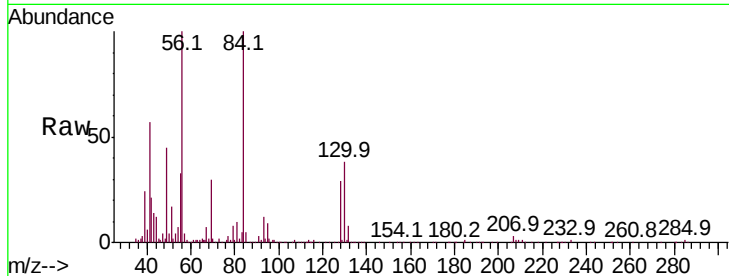
#31
Cyclohexane
Concen: 19.027 ug/l m
RT: 3.90 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.3	37.9
84	99.7	71.0	106.4

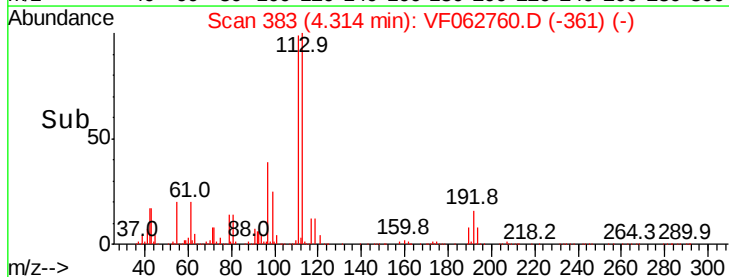
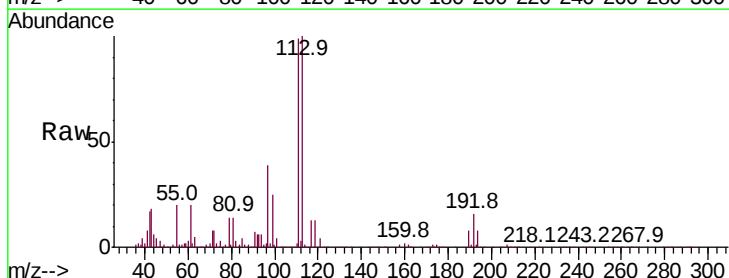
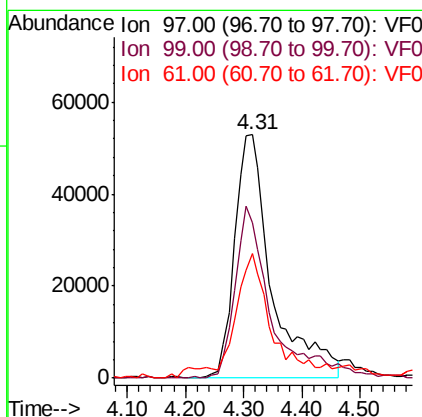
Manual Integrations
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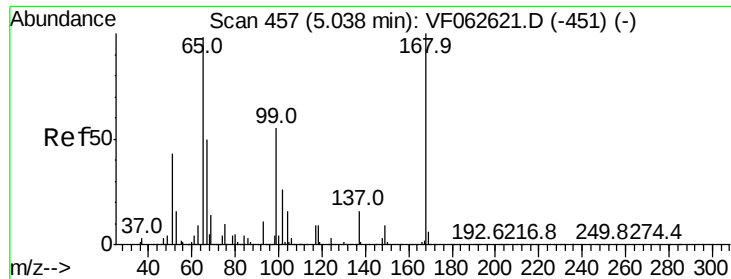
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#32
1,1,1-Trichloroethane
Concen: 20.277 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	50.9	38.2	57.2





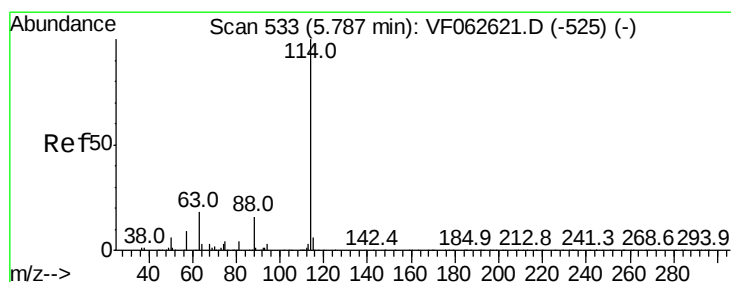
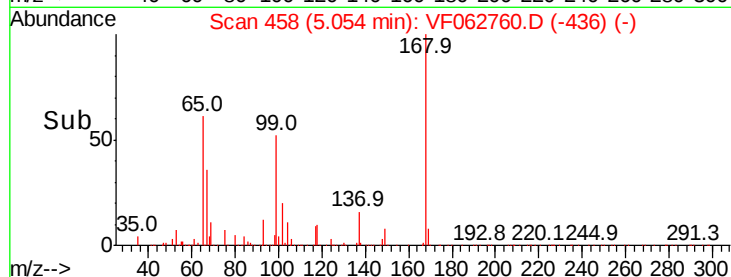
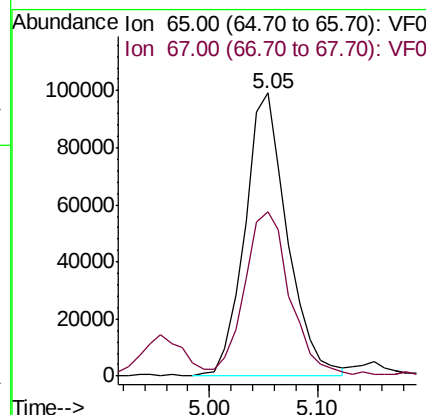
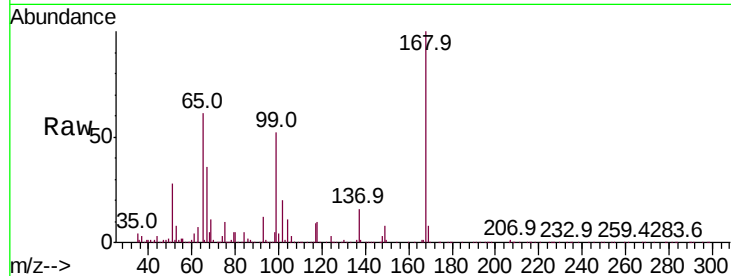
#33
 1,2-Dichloroethane-d4
 Concen: 44.023 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267676		
67	58.1	0.0	117.6	

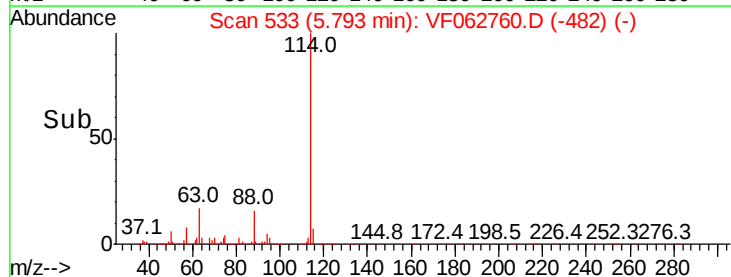
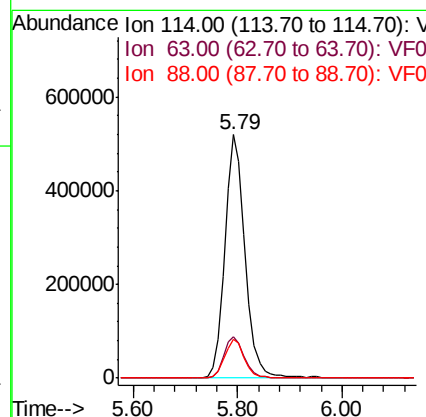
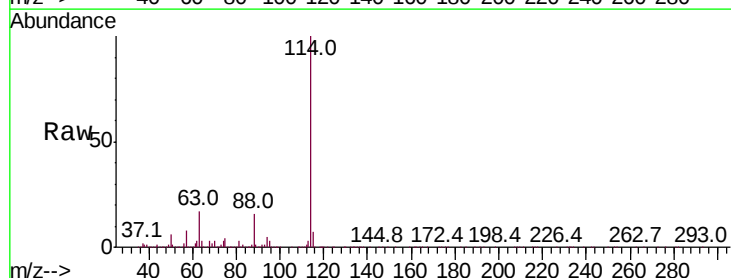
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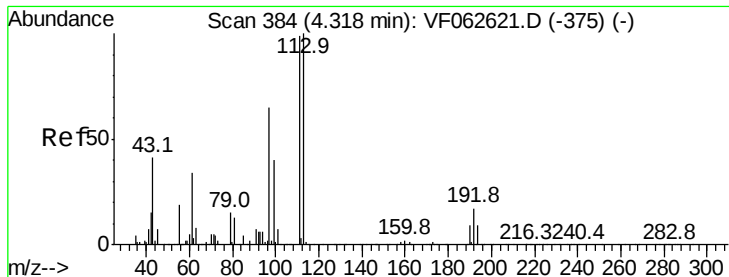
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1386224		
63	17.0	0.0	35.4	
88	16.0	0.0	32.4	





#35

Dibromofluoromethane

Concen: 47.909 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

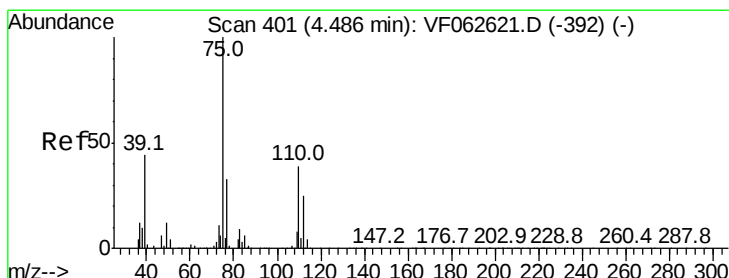
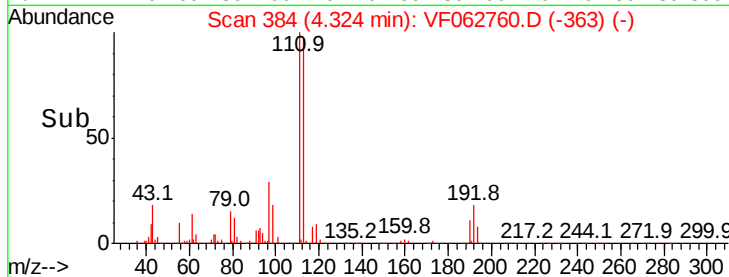
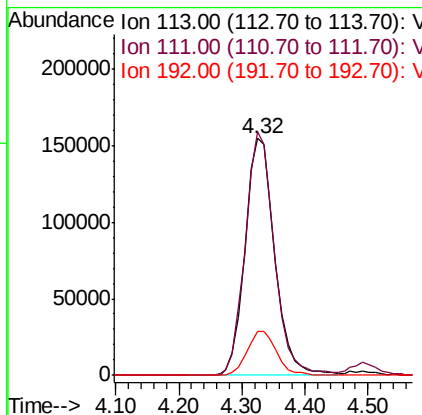
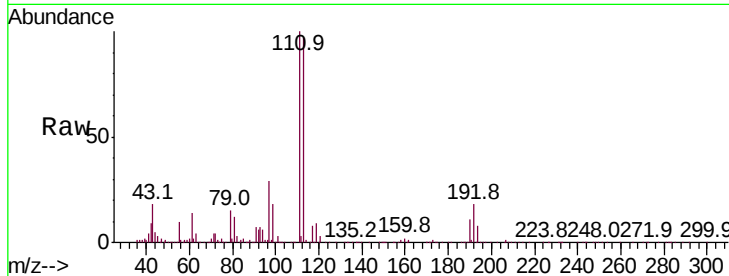
ClientSampleId :

VF0528SBS02

Tot Ion:	113	Resp:	508193
Ion Ratio	Lower	Upper	
113	100		
111	102.8	79.4	119.2
192	18.5	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 20.743 ug/l

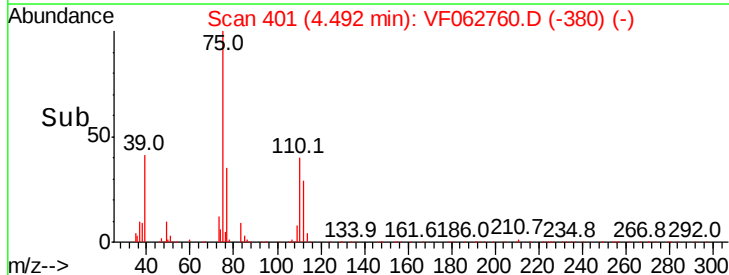
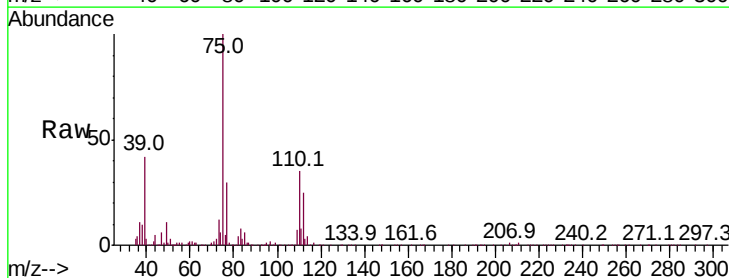
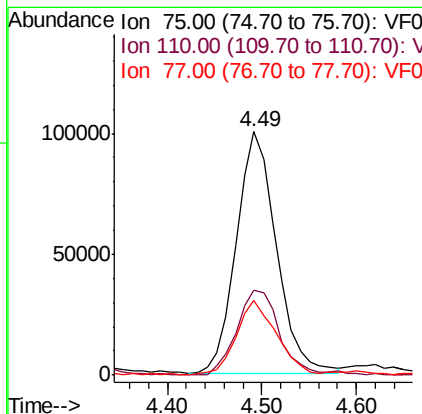
RT: 4.49 min Scan# 401

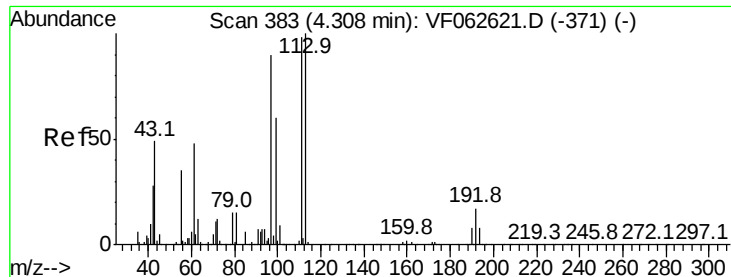
Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	75	Resp:	294644
Ion Ratio	Lower	Upper	
75	100		
110	34.8	19.7	59.1
77	30.4	26.3	39.5





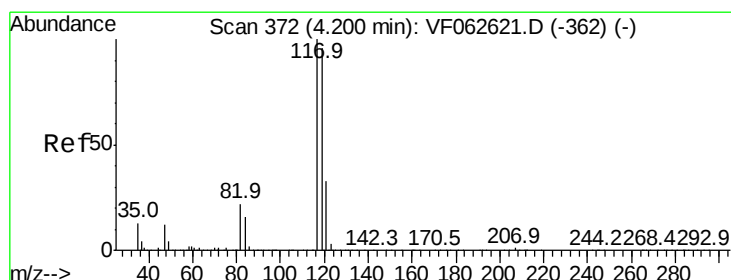
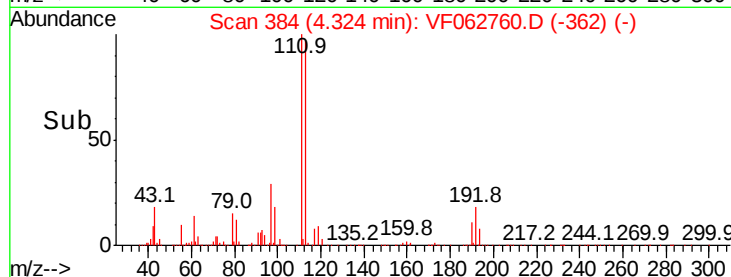
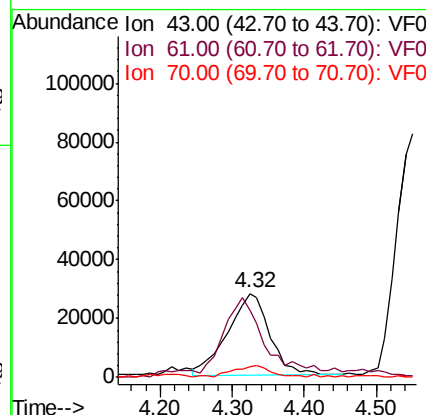
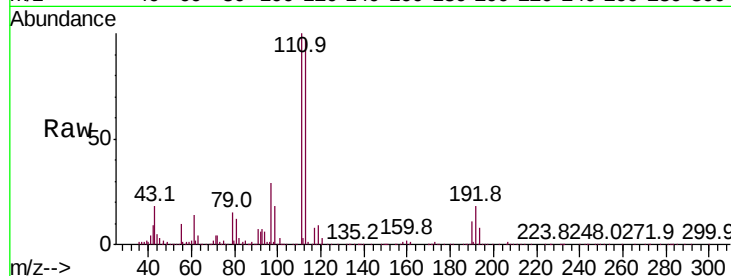
#37
Ethyl Acetate
Concen: 19.398 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	79.1	76.9	115.3
70	12.5	8.8	13.2

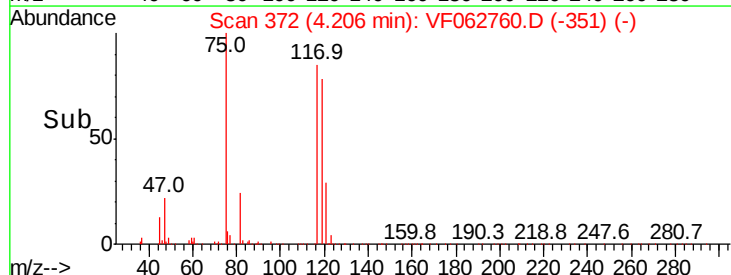
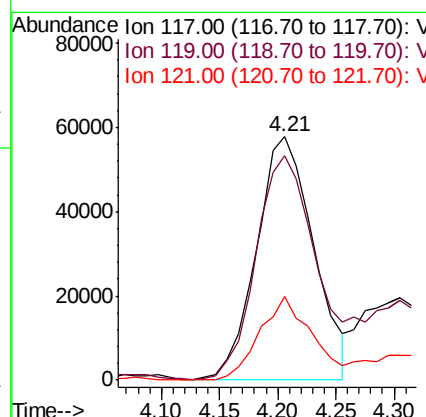
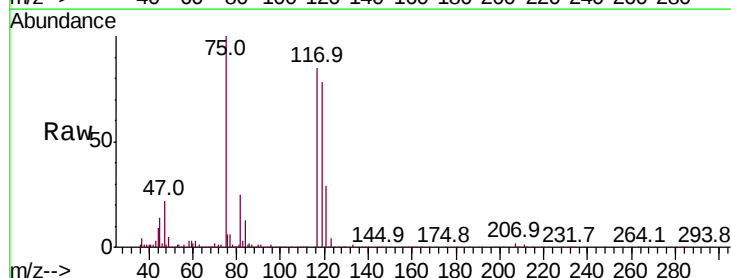
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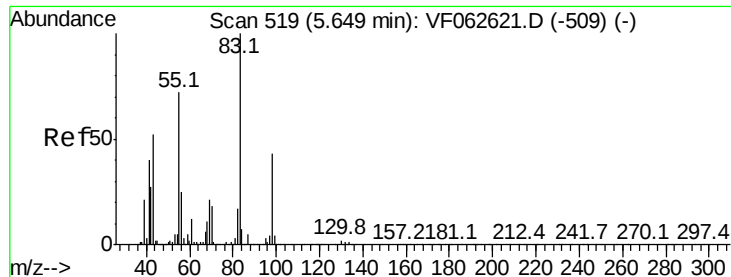
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#38
Carbon Tetrachloride
Concen: 18.320 ug/l
RT: 4.21 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.7	115.1
121	34.3	26.6	40.0





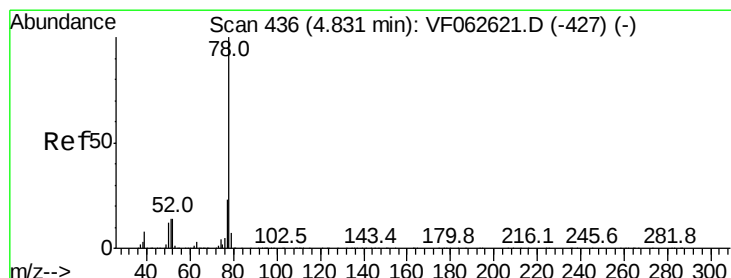
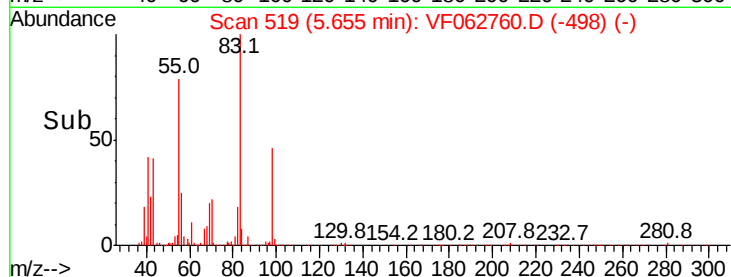
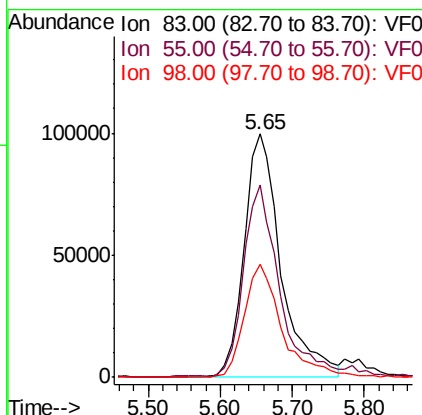
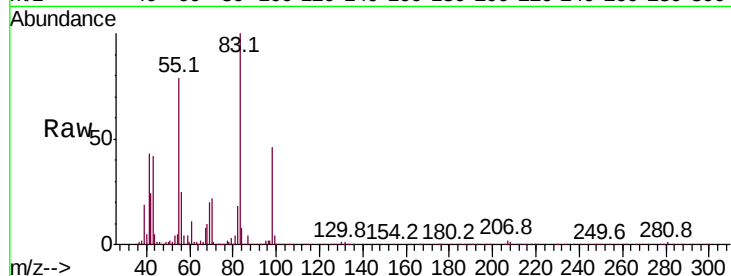
#39
Methvlcvclohexane
Concen: 20.862 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion:	83	Resp:	356571
Ion Ratio	Lower	Upper	
83	100		
55	79.0	57.9	86.9
98	46.2	34.6	52.0

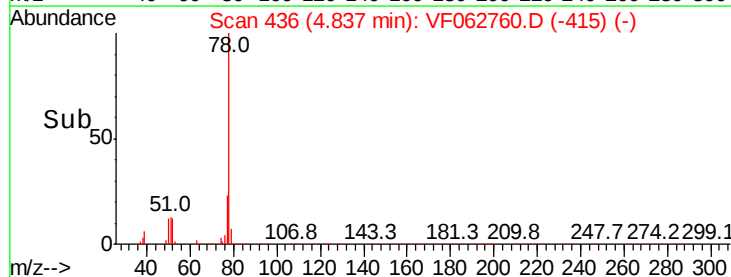
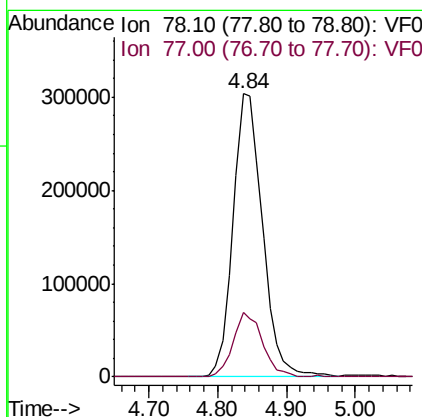
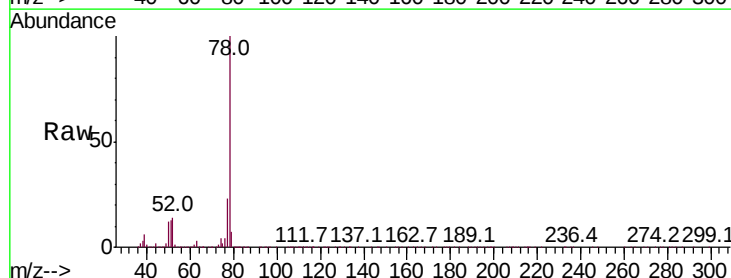
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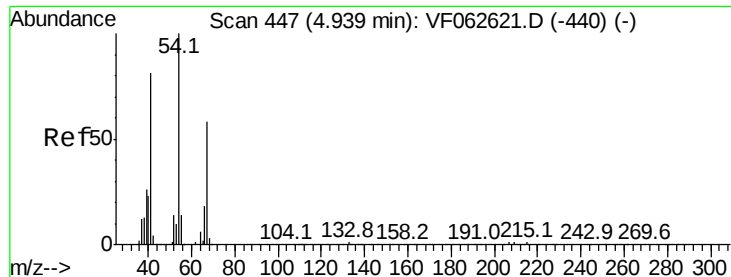
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#40
Benzene
Concen: 23.252 ug/l
RT: 4.84 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion:	78	Resp:	899772
Ion Ratio	Lower	Upper	
78	100		
77	22.8	18.2	27.2





#41

Methacrylonitrile

Concen: 18.864 ug/l

RT: 4.96 min Scan# 448

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

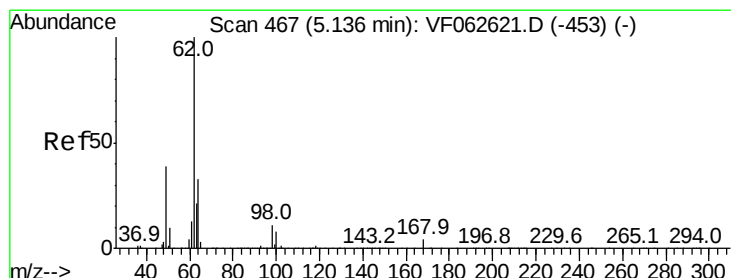
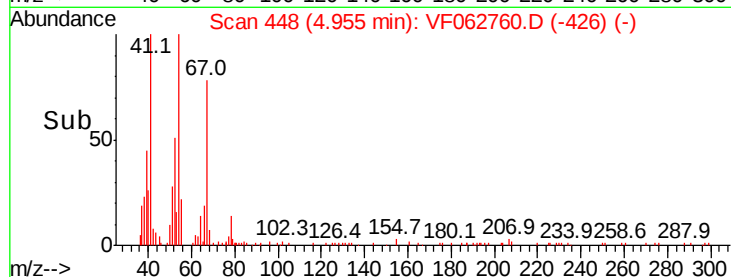
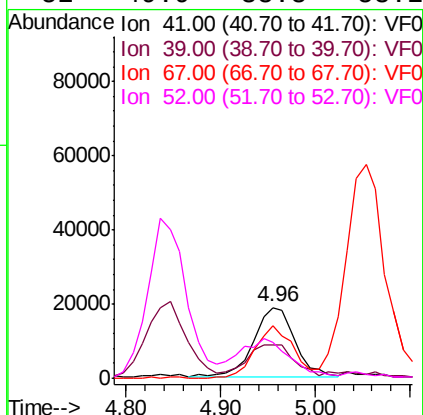
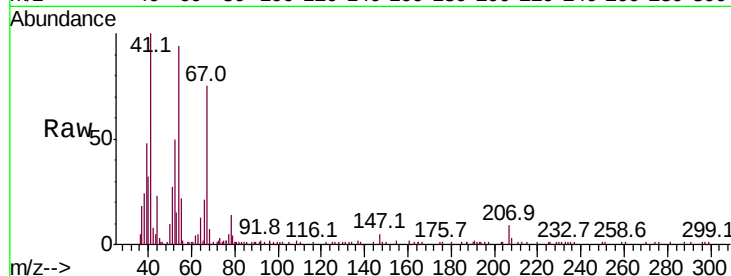
ClientSampleId :

VF0528SBS02

Tot Ion:	41	Resp:	57360
Ion Ratio	Lower	Upper	
41	100		
39	47.8	42.2	63.2
67	74.9	56.4	84.6
52	49.9	38.8	58.2

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#42

1,2-Dichloroethane

Concen: 20.486 ug/l

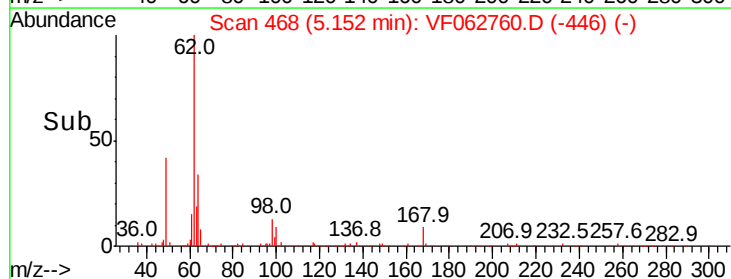
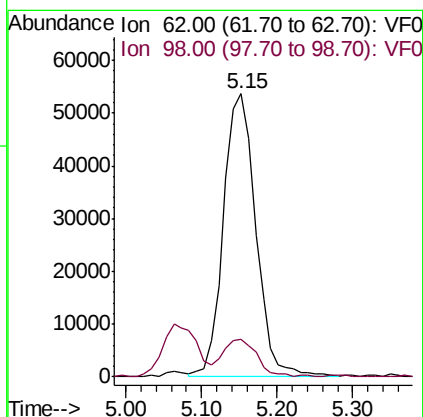
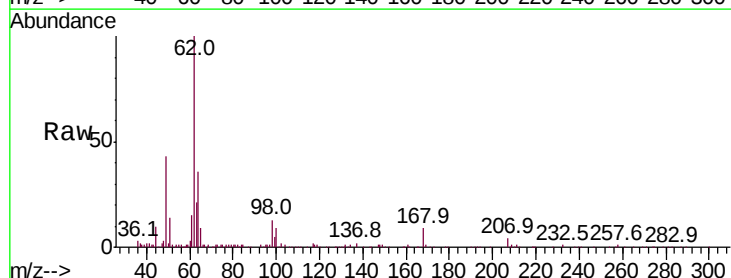
RT: 5.15 min Scan# 468

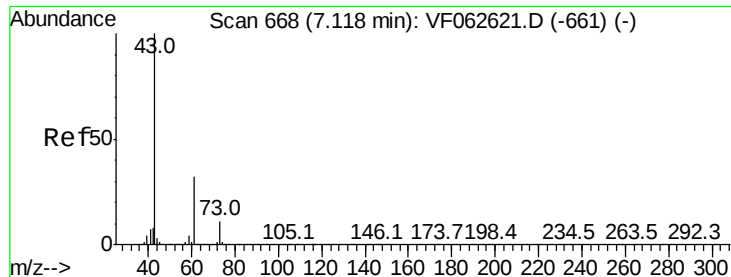
Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	62	Resp:	158084
Ion Ratio	Lower	Upper	
62	100		
98	13.4	0.0	21.6





#43

Isopropyl Acetate

Concen: 19.089 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

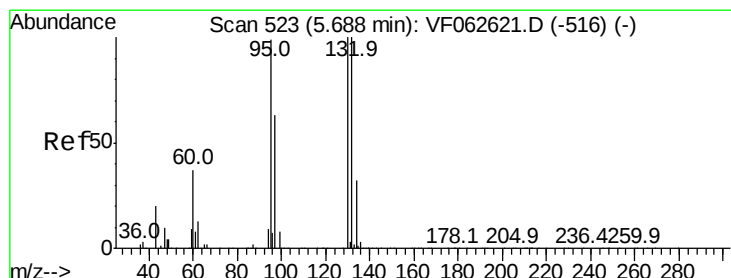
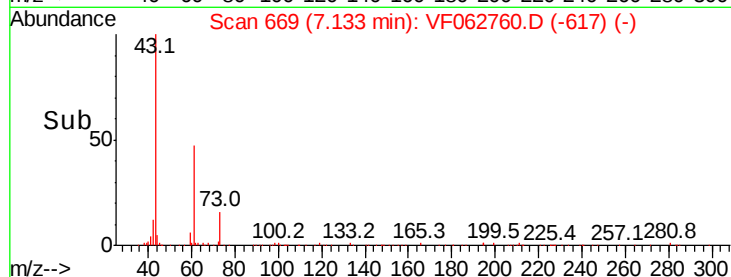
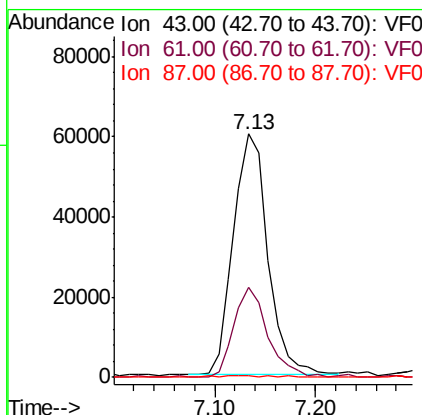
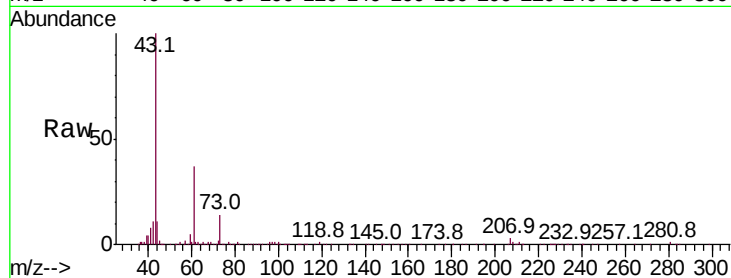
ClientSampleId :

VF0528SBS02

Tot Ion:	43	Resp:	143429
Ion Ratio	Lower	Upper	
43	100		
61	37.1	25.8	38.8
87	0.5	0.4	0.6

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#44

Trichloroethene

Concen: 22.657 ug/l

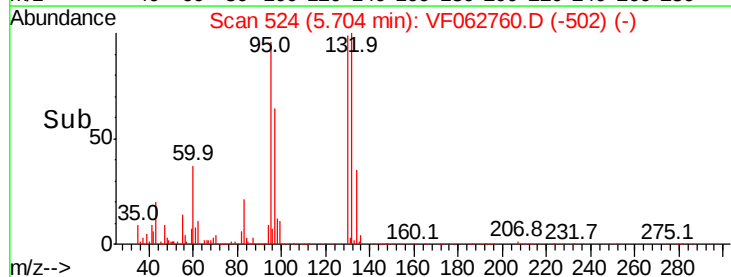
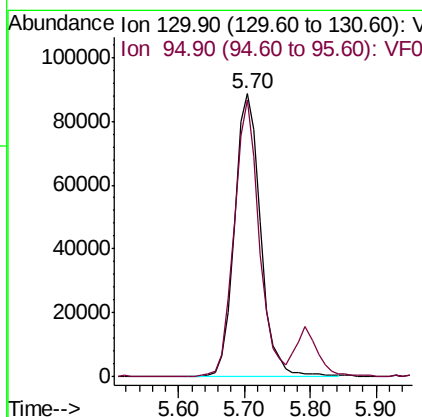
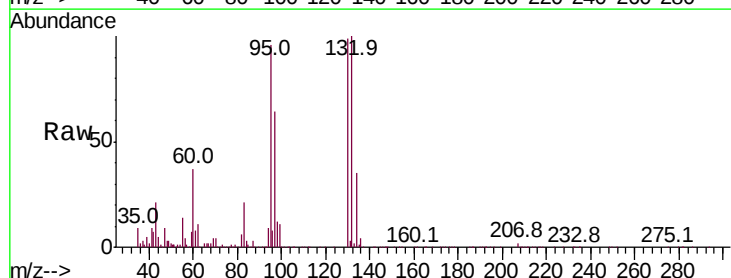
RT: 5.70 min Scan# 524

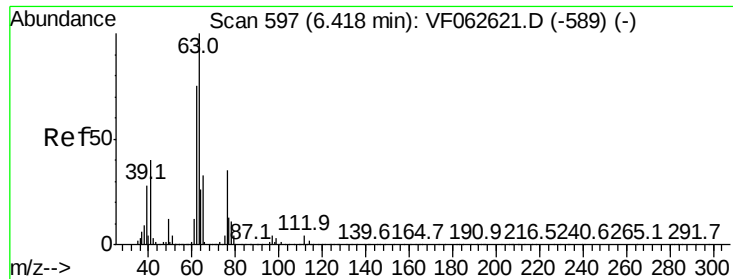
Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	130	Resp:	246421
Ion Ratio	Lower	Upper	
130	100		
95	97.9	0.0	199.4





#45

1,2-Dichloropropane

Concen: 22.640 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 63 Resp: 221162

Ion Ratio Lower Upper

63 100

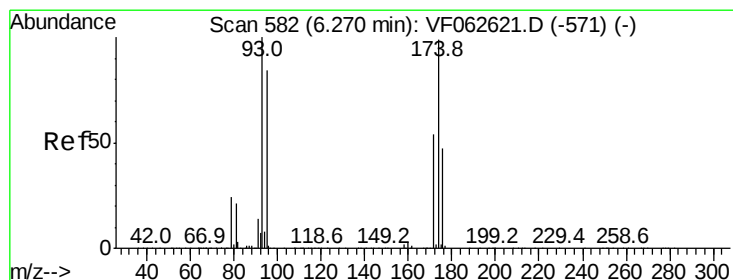
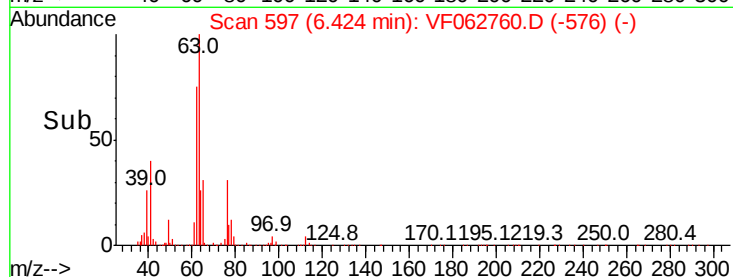
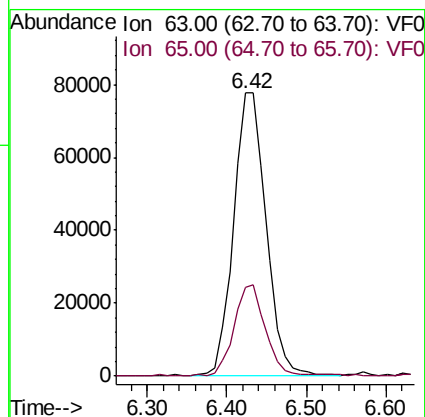
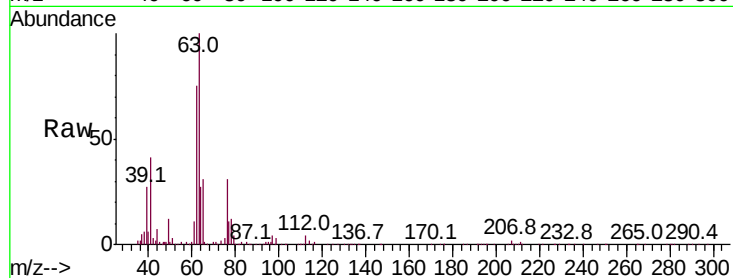
65 31.2 26.3 39.5

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#46

Dibromomethane

Concen: 21.421 ug/l

RT: 6.29 min Scan# 583

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

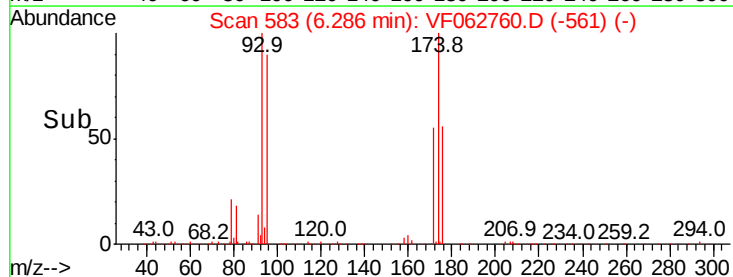
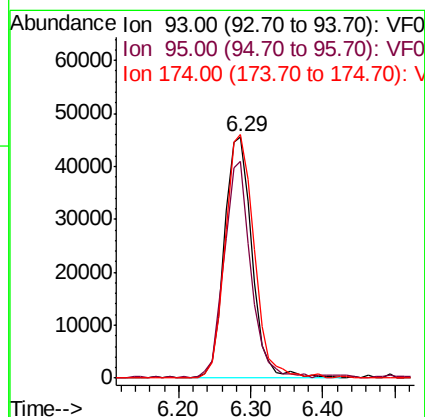
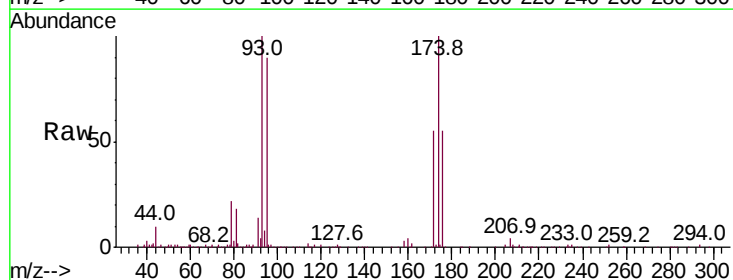
Tgt Ion: 93 Resp: 120931

Ion Ratio Lower Upper

93 100

95 89.9 67.4 101.2

174 100.8 79.4 119.2





#47

Bromodichloromethane

Concen: 22.337 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

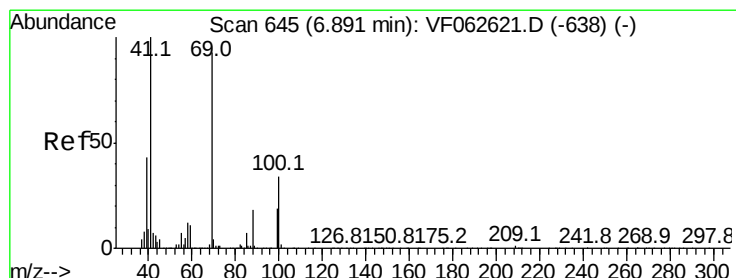
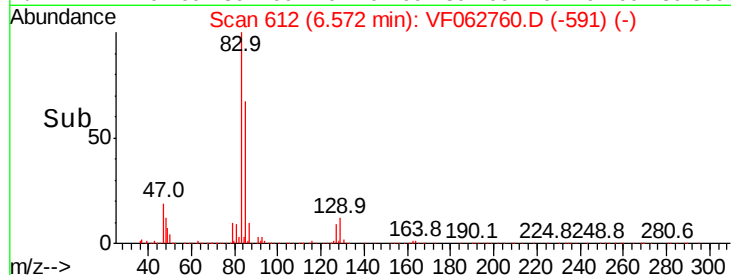
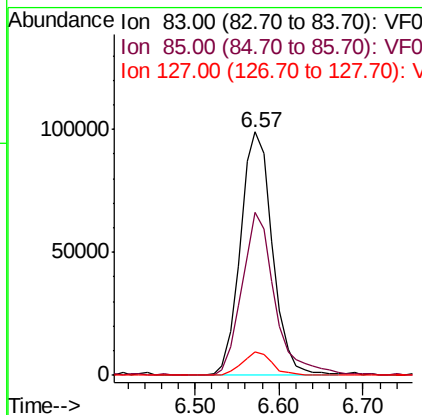
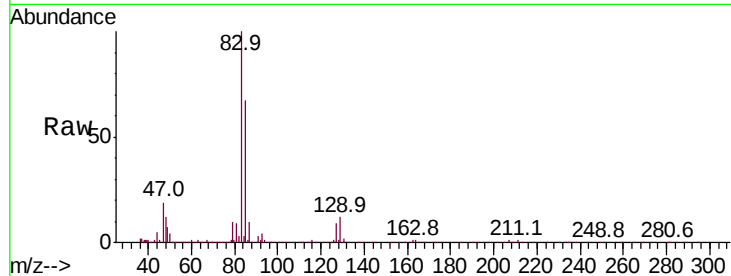
ClientSampleId :

VF0528SBS02

Tot Ion:	83	Resp:	261793
Ion Ratio	Lower	Upper	
83	100		
85	66.8	52.0	78.0
127	9.4	7.7	11.5

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#48

Methyl methacrylate

Concen: 18.569 ug/l

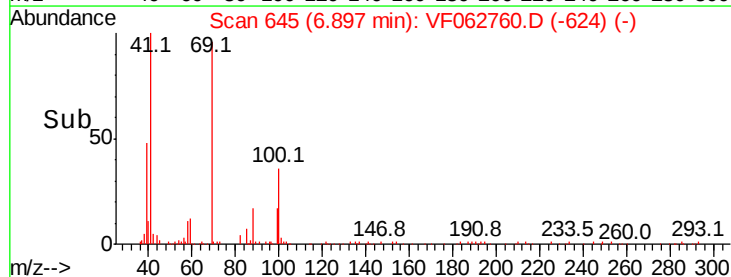
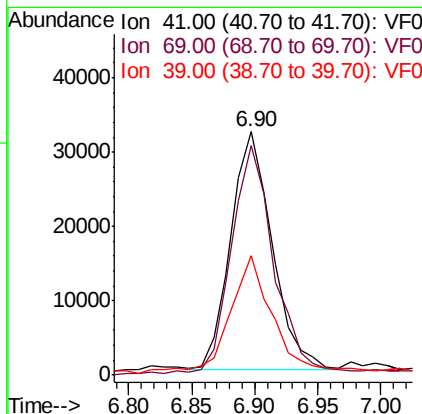
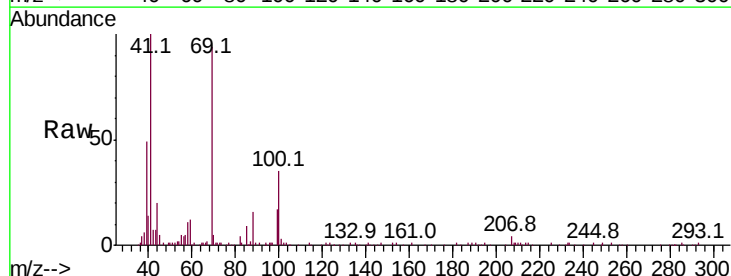
RT: 6.90 min Scan# 645

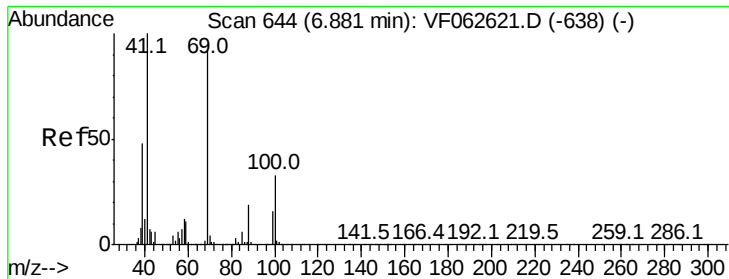
Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	41	Resp:	72927
Ion Ratio	Lower	Upper	
41	100		
69	94.2	74.2	111.2
39	49.3	34.2	51.4





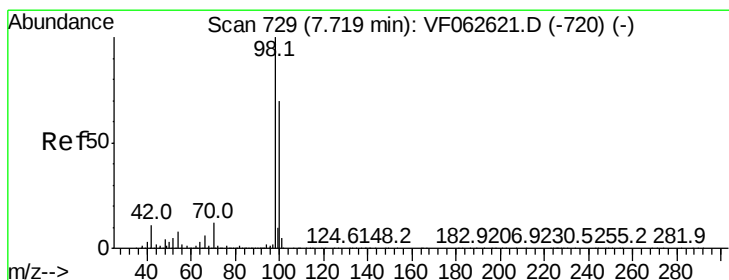
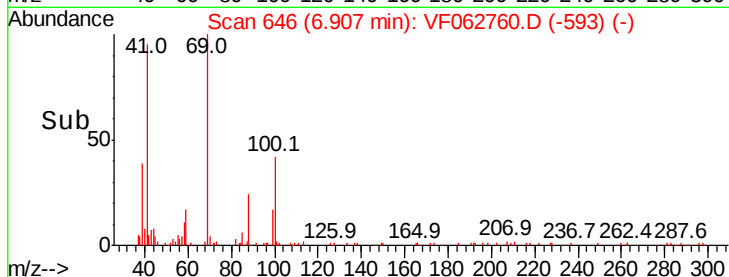
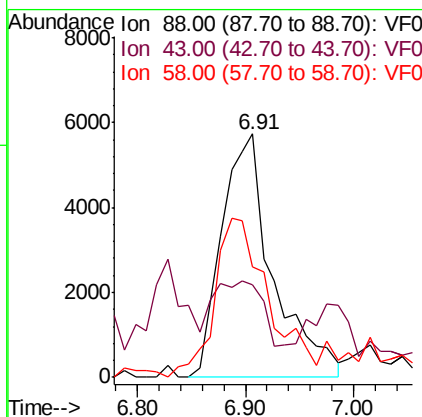
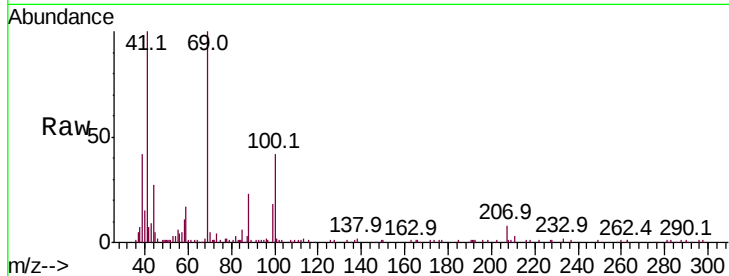
#49
1,4-Dioxane
Concen: 375.481 ug/l
RT: 6.91 min Scan# 646
Delta R.T. 0.03 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	30.0	45.0
58	45.2	51.1	76.7#

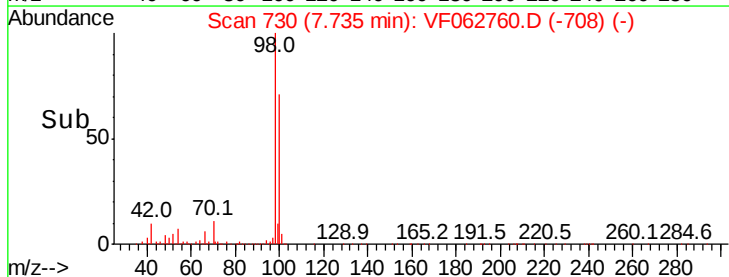
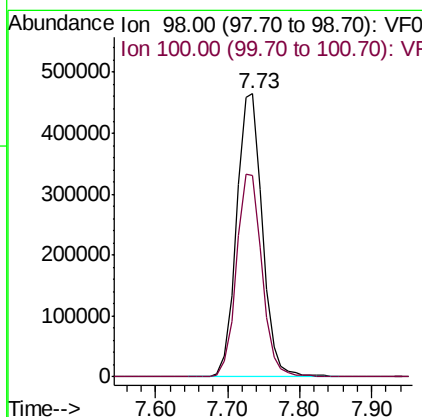
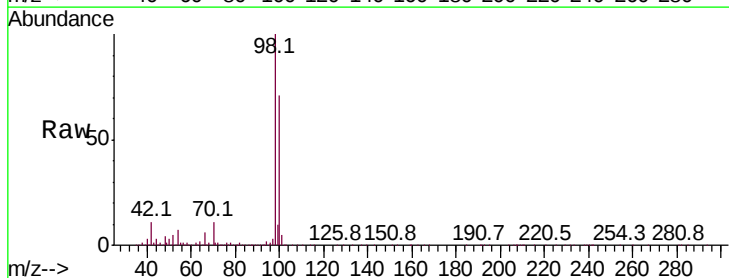
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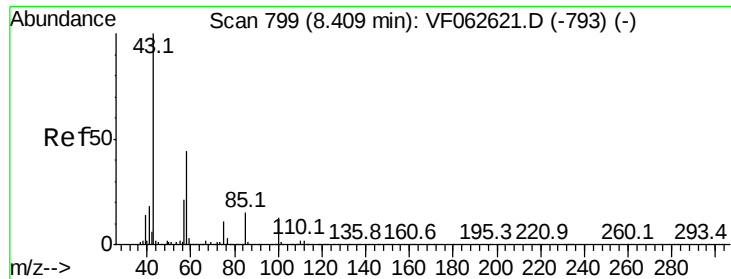
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#50
Toluene-d8
Concen: 45.761 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.2	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 105.629 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 43 Resp: 542504

Ion Ratio Lower Upper

43 100

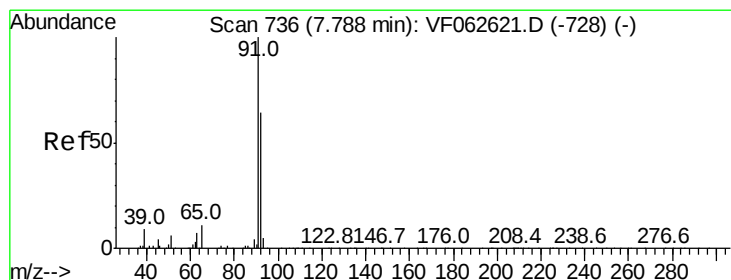
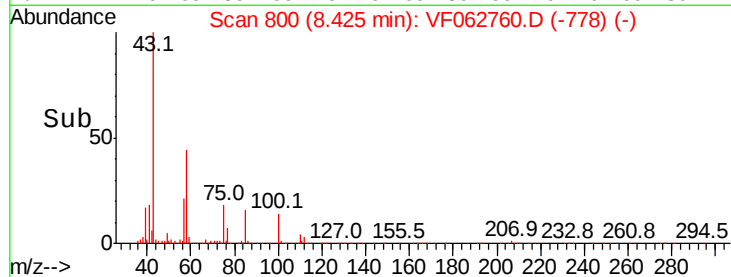
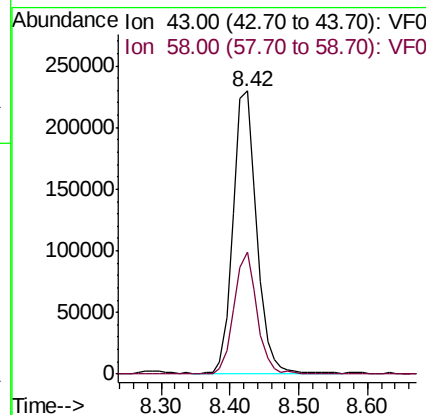
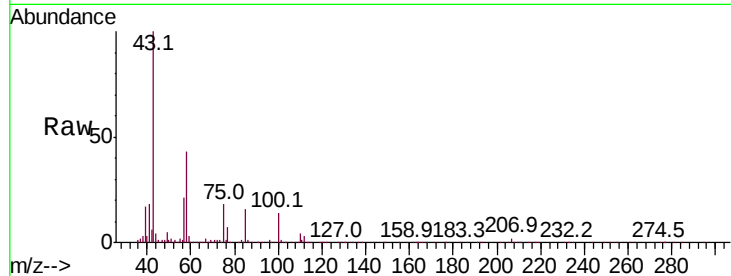
58 43.3 34.9 52.3

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#52

Toluene

Concen: 21.953 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062760.D

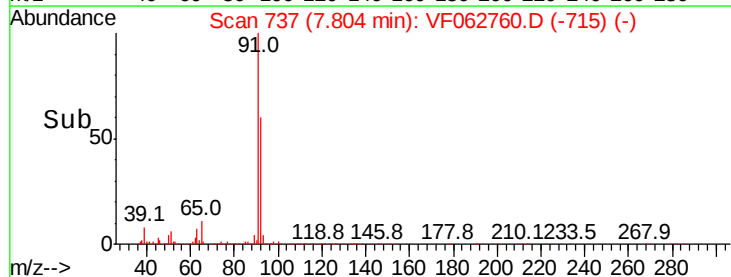
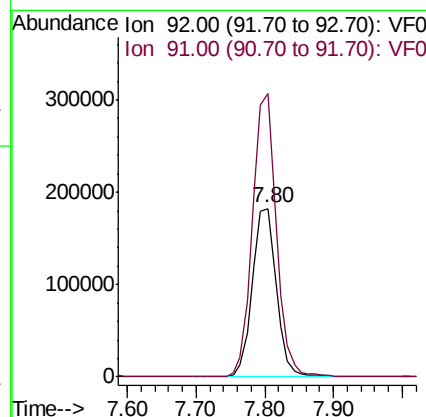
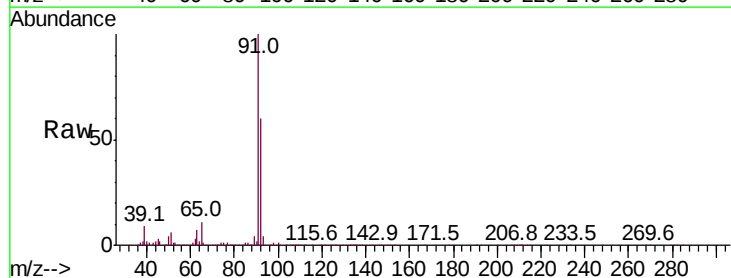
Acq: 28 May 2019 14:56

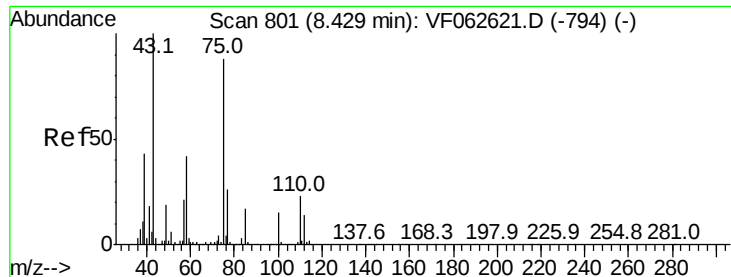
Tgt Ion: 92 Resp: 445525

Ion Ratio Lower Upper

92 100

91 167.9 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 21.164 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 75 Resp: 202932

Ion Ratio Lower Upper

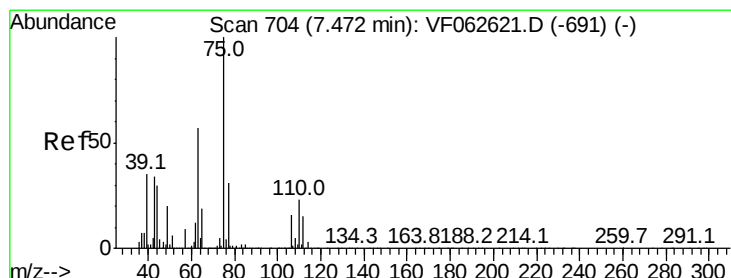
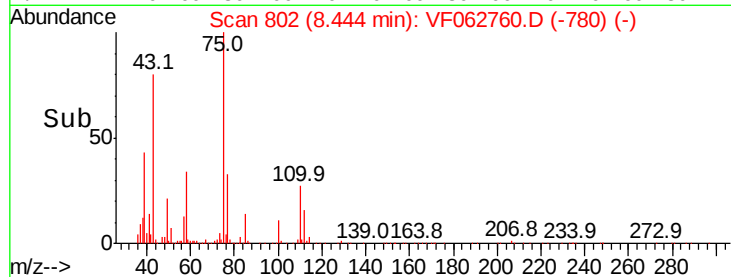
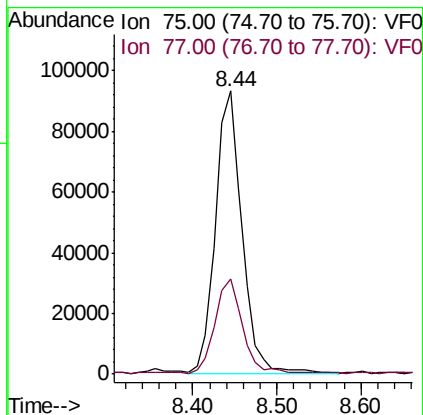
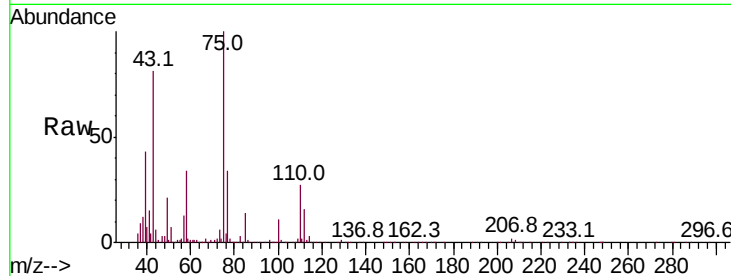
75 100

77 33.6 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 23.390 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

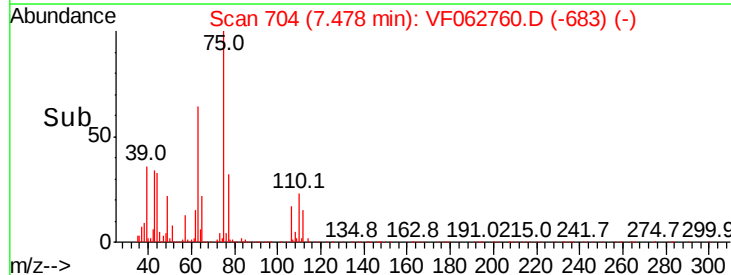
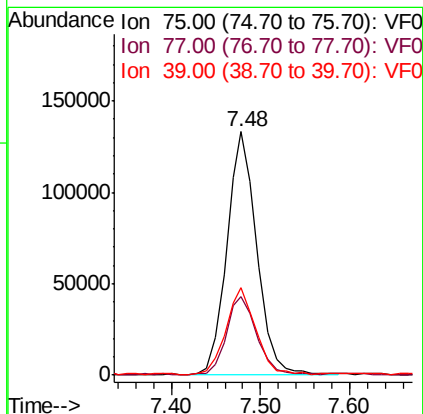
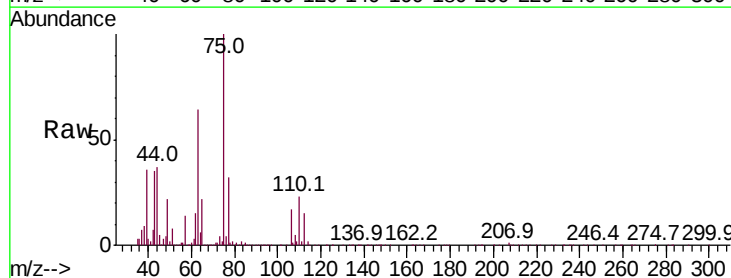
Tgt Ion: 75 Resp: 313944

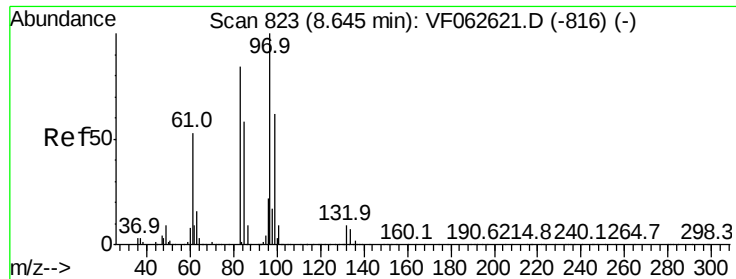
Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9

39 35.9 28.2 42.2





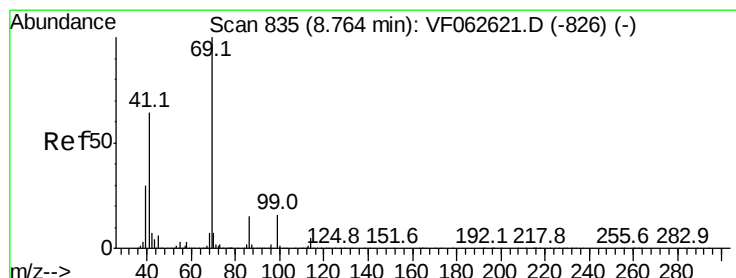
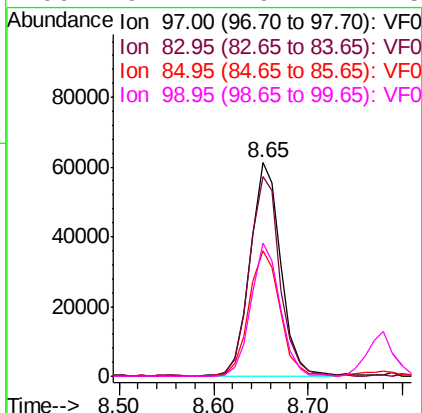
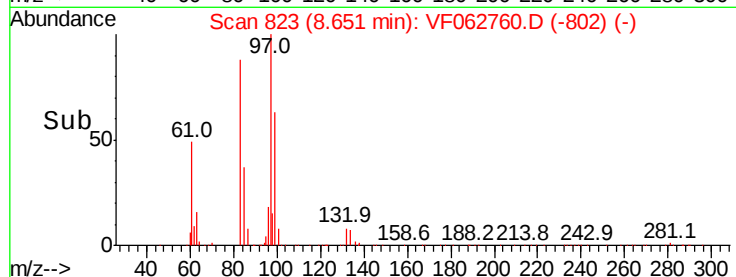
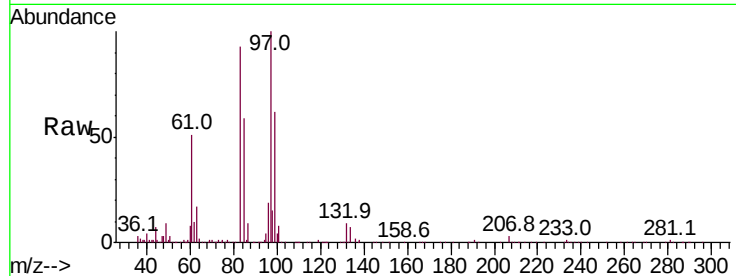
#55
 1,1,2-Trichloroethane
 Concen: 22.968 ug/l
 RT: 8.65 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
97	100			
83	93.5	67.3	100.9	
85	58.5	46.6	69.8	
99	62.4	49.7	74.5	

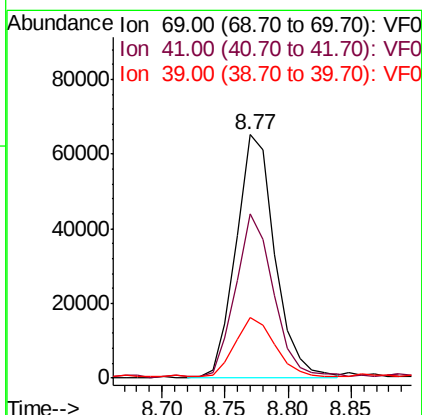
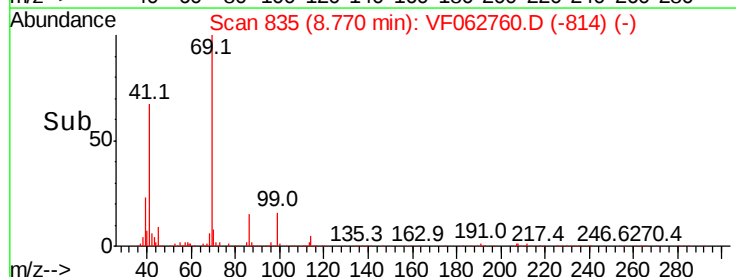
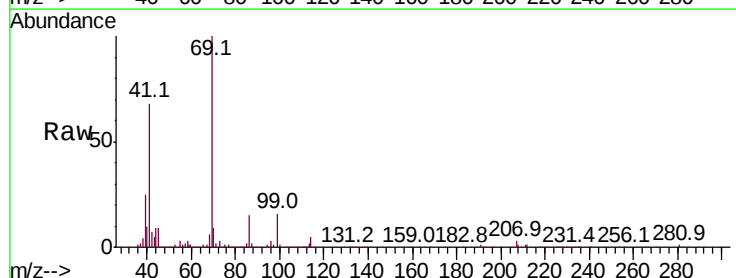
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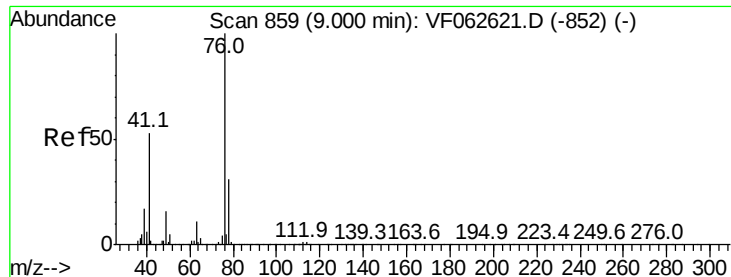
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#56
 Ethyl methacrylate
 Concen: 19.385 ug/l
 RT: 8.77 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	67.7	51.4	77.2	
39	24.6	23.6	35.4	





#57

1,3-Dichloropropane

Concen: 21.374 ug/l

RT: 9.02 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 76 Resp: 218761

Ion Ratio Lower Upper

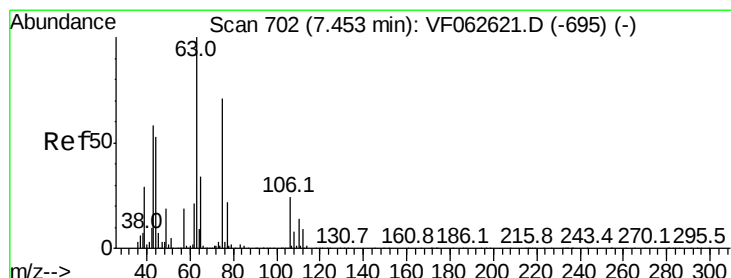
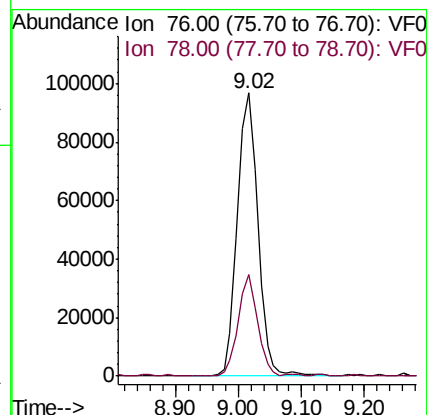
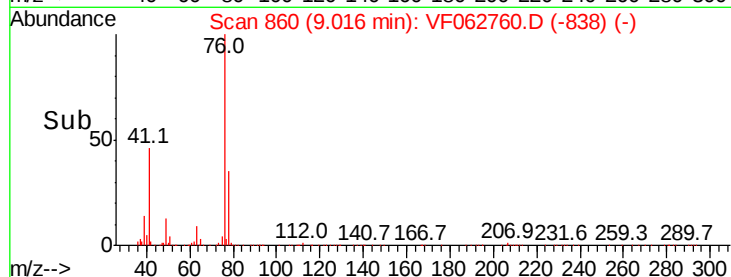
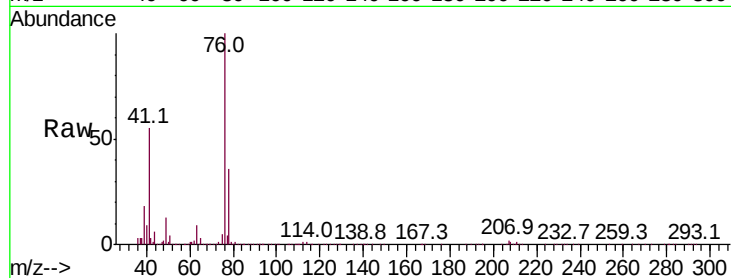
76 100

78 35.7 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 106.262 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.02 min

Lab File: VF062760.D

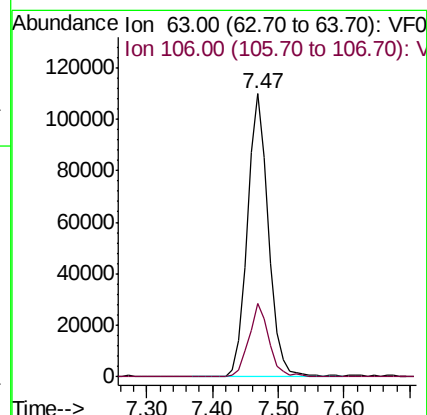
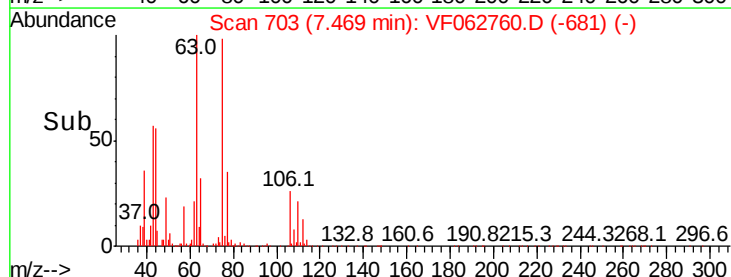
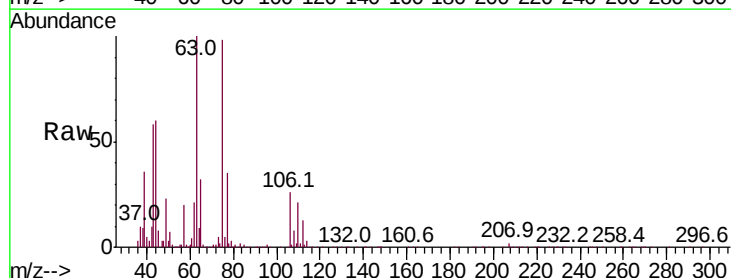
Acq: 28 May 2019 14:56

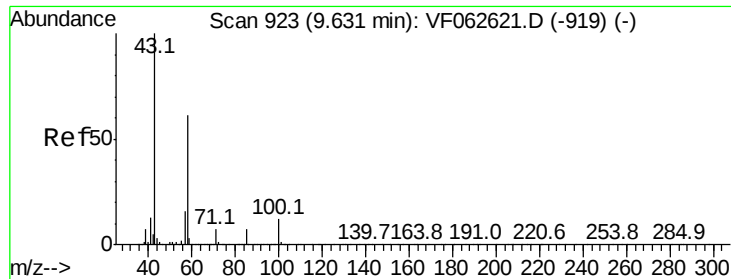
Tgt Ion: 63 Resp: 247614

Ion Ratio Lower Upper

63 100

106 26.0 19.1 28.7





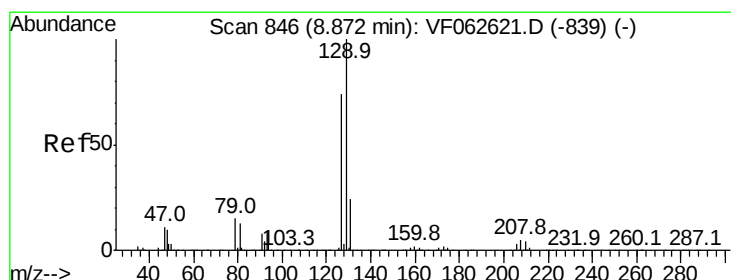
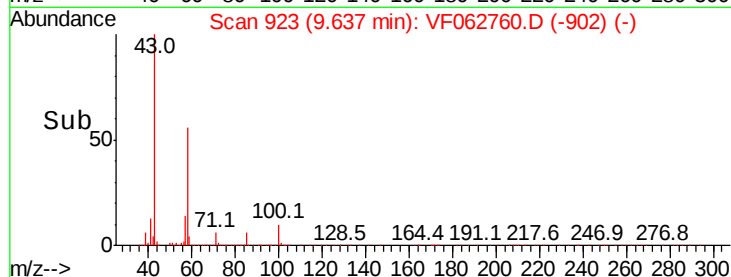
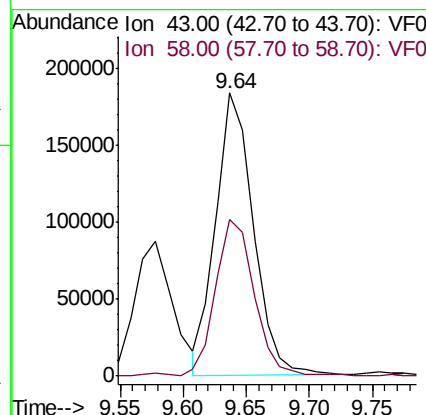
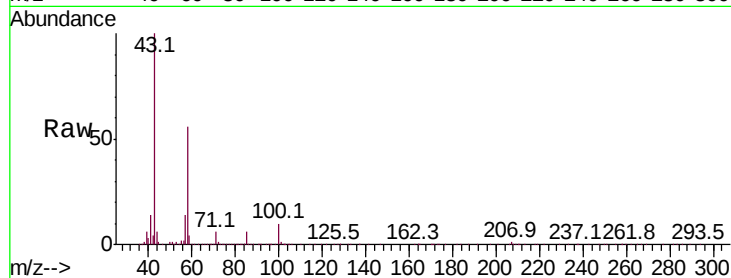
#59
2-Hexanone
Concen: 103.469 ug/l
RT: 9.64 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.1	84.4

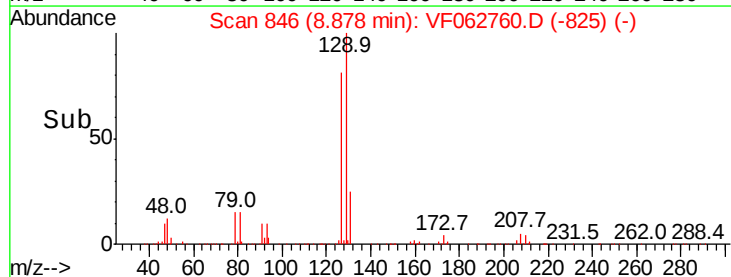
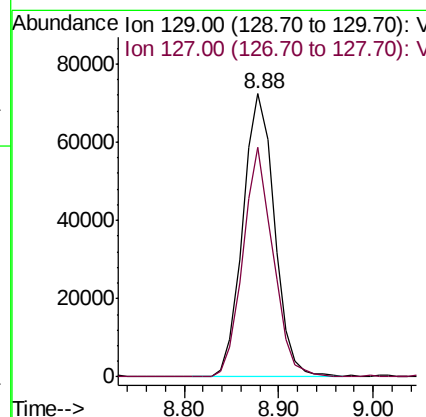
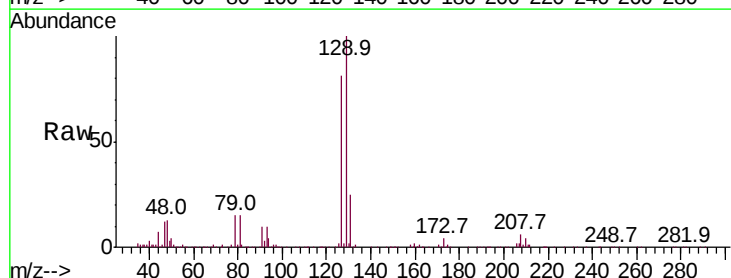
Manual Integrations
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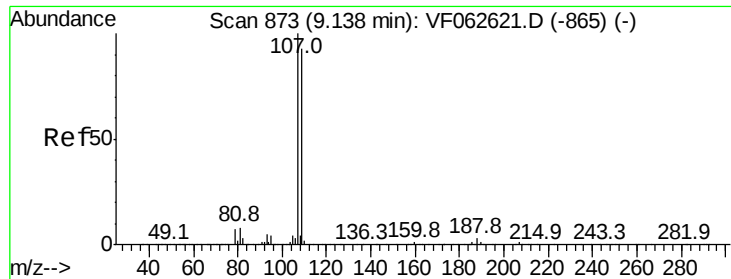
MMDadoda
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#60
Dibromochloromethane
Concen: 21.527 ug/l
RT: 8.88 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.1	37.2	111.6





#61

1,2-Dibromoethane

Concen: 21.714 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion:107 Resp: 138585

Ion Ratio Lower Upper

107 100

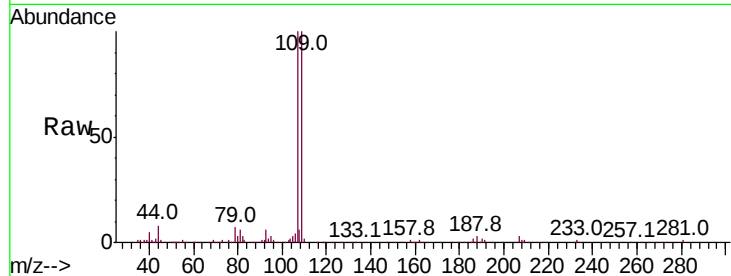
109 99.8 74.8 112.2

Manual Integrations

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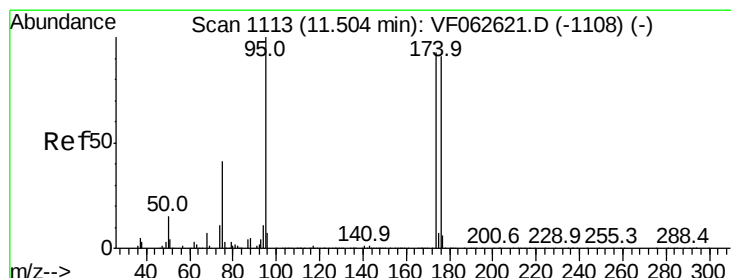
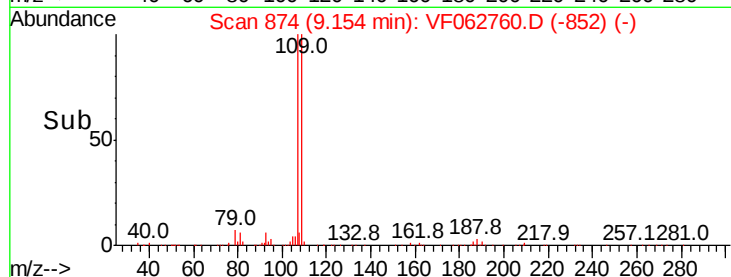
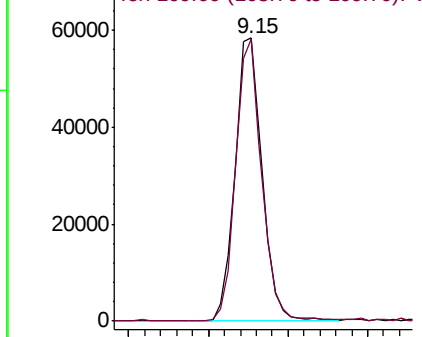
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.572 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

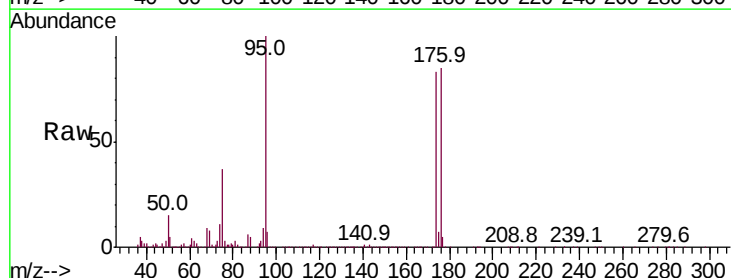
Tgt Ion: 95 Resp: 437743

Ion Ratio Lower Upper

95 100

174 83.5 0.0 185.6

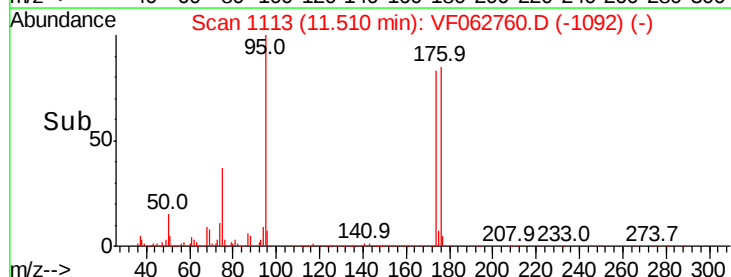
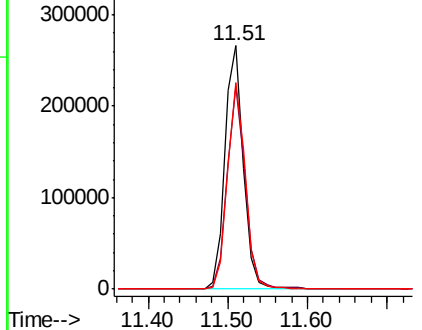
176 84.9 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





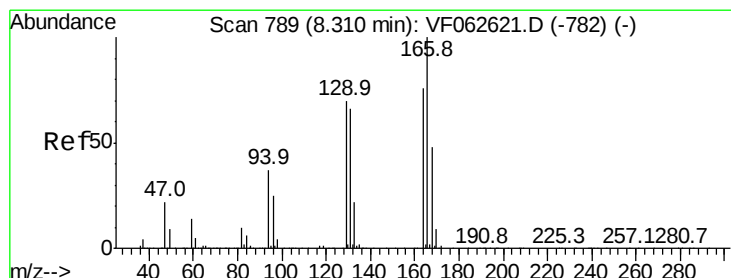
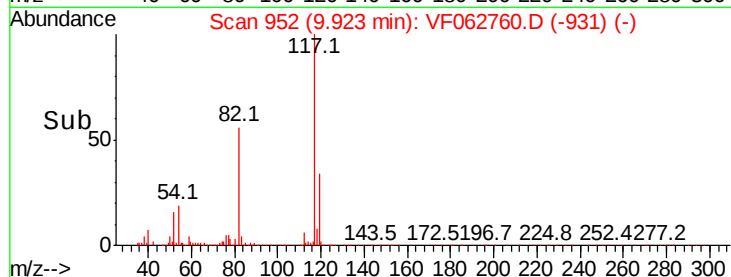
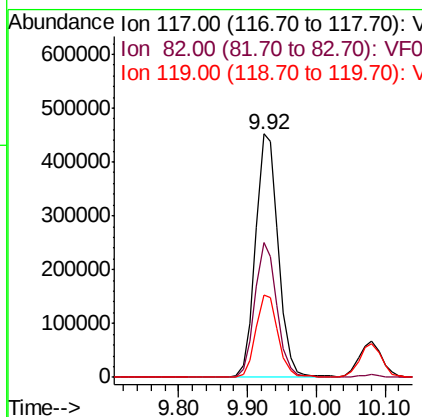
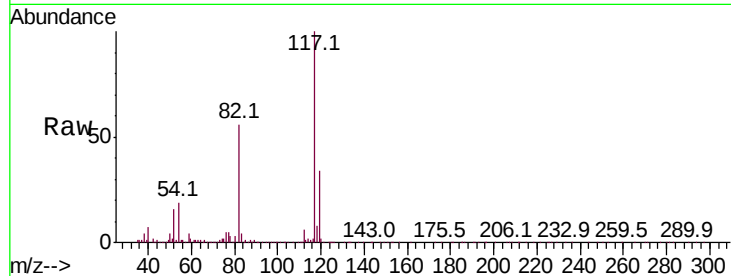
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.3	64.9
119	33.9	27.4	41.0

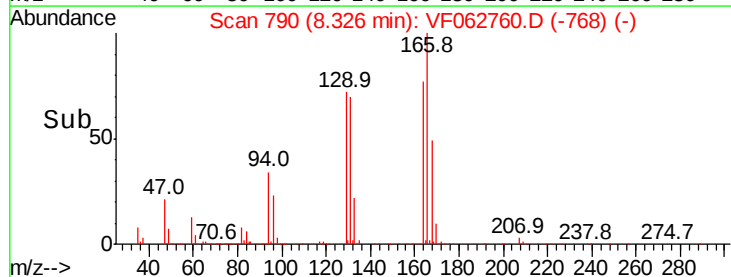
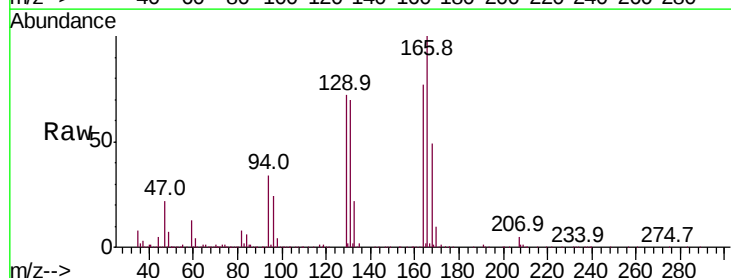
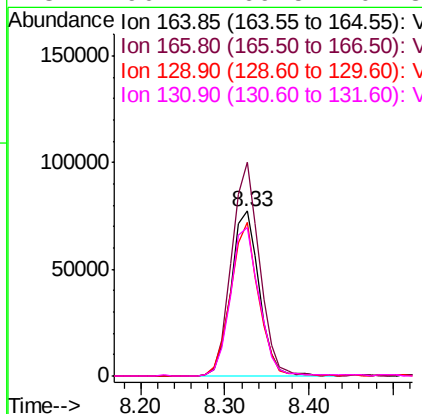
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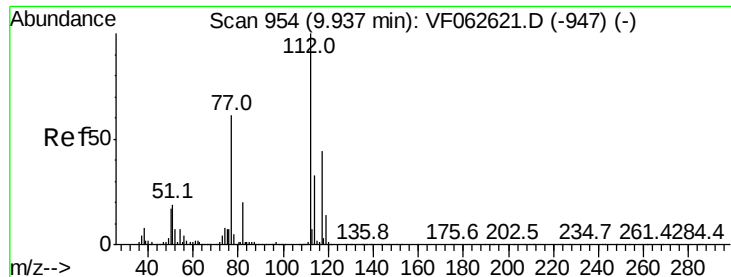
MMDadoda
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#64
Tetrachloroethene
Concen: 21.954 ug/l
RT: 8.33 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	105.5	158.3
129	93.6	73.8	110.6
131	90.4	69.5	104.3





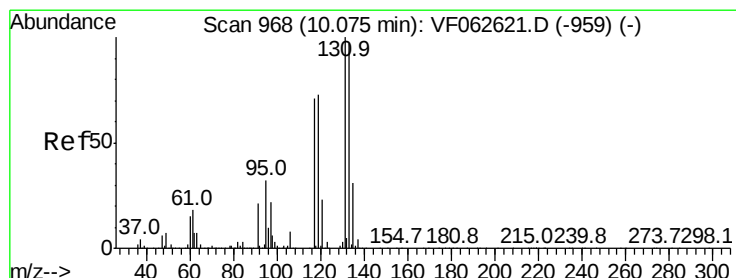
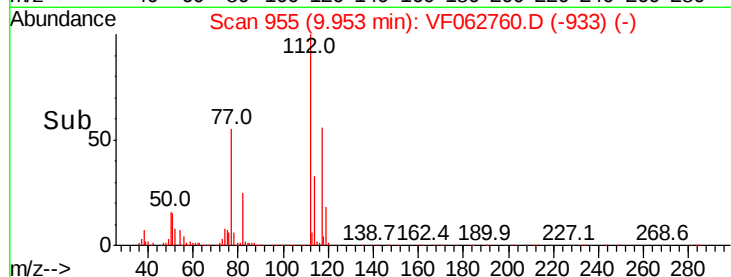
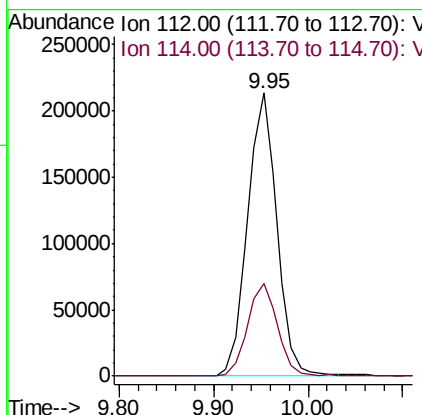
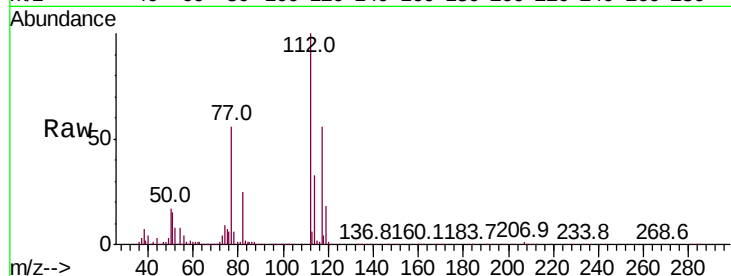
#65
Chlorobenzene
Concen: 22.422 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion:112 Resp: 458848
Ion Ratio Lower Upper
112 100
114 32.8 26.8 40.2

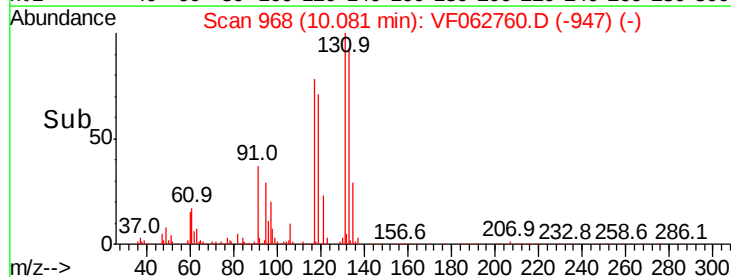
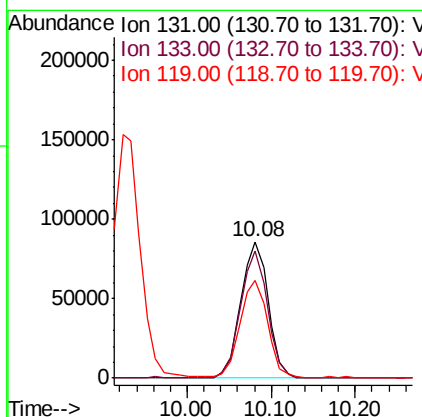
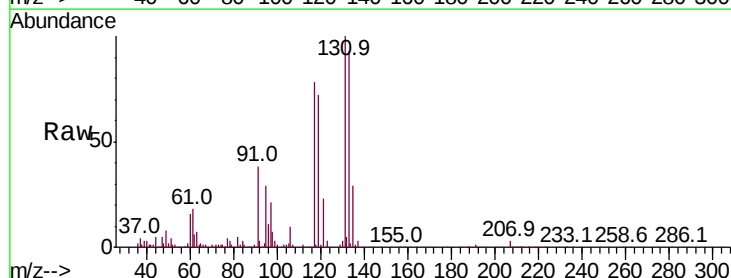
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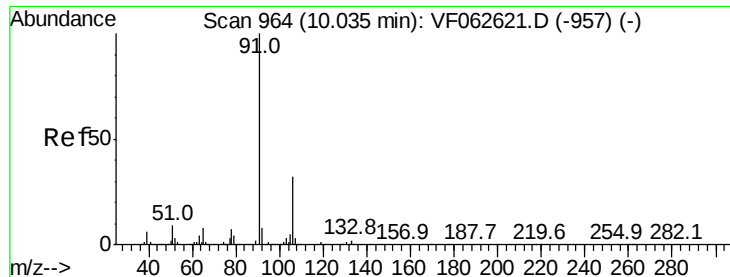
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.749 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion:131 Resp: 195102
Ion Ratio Lower Upper
131 100
133 93.4 48.5 145.5
119 71.6 36.8 110.4





#67

Ethyl Benzene

Concen: 23.108 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 91 Resp: 821491

Ion Ratio Lower Upper

91 100

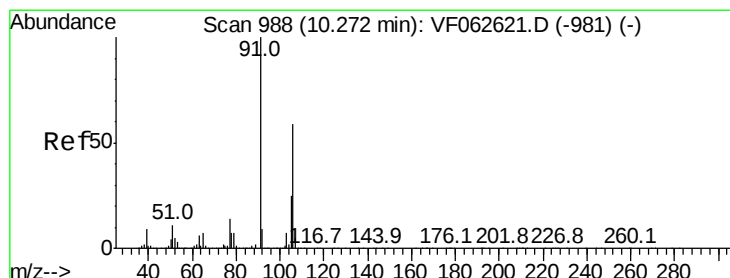
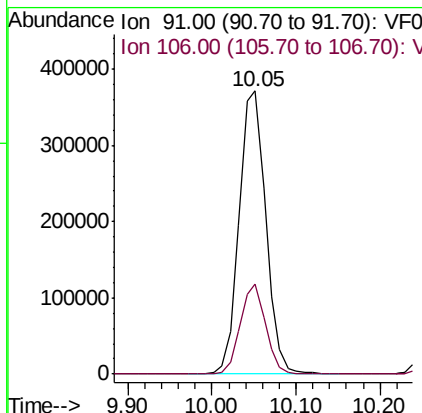
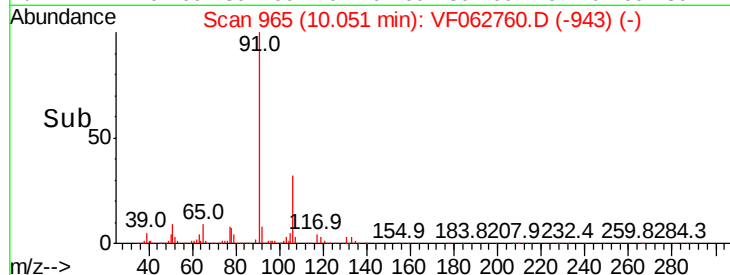
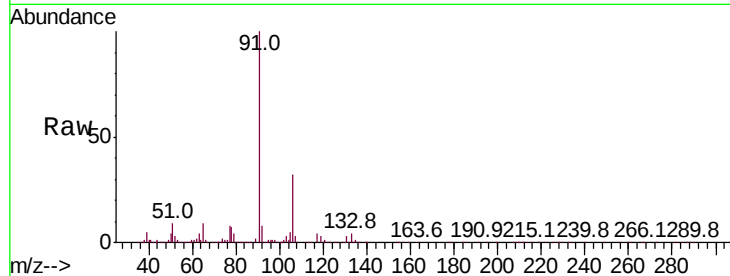
106 32.0 25.8 38.8

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#68

m/p-Xylenes

Concen: 45.756 ug/l

RT: 10.28 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062760.D

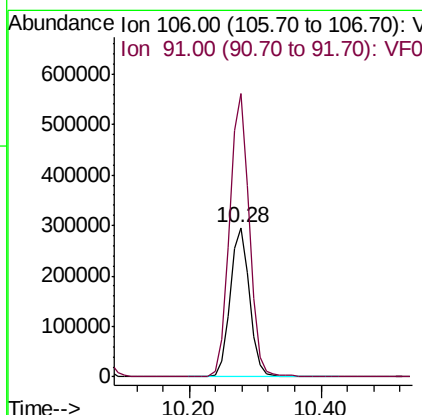
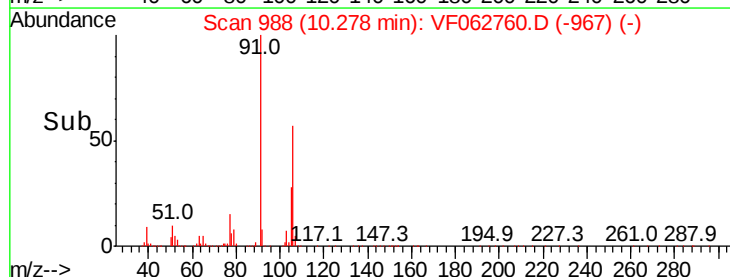
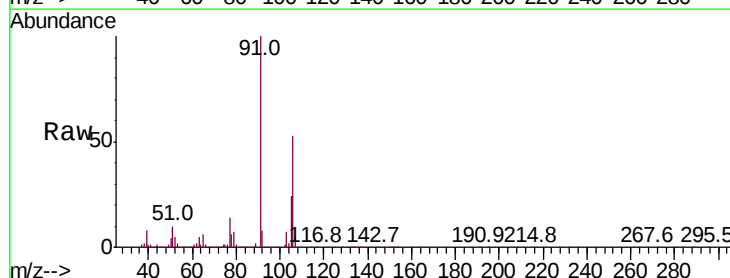
Acq: 28 May 2019 14:56

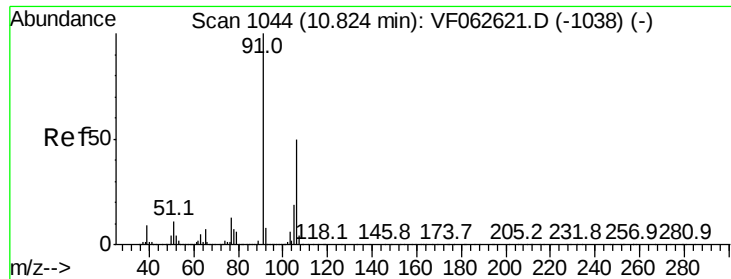
Tgt Ion: 106 Resp: 611353

Ion Ratio Lower Upper

106 100

91 189.9 136.9 205.3





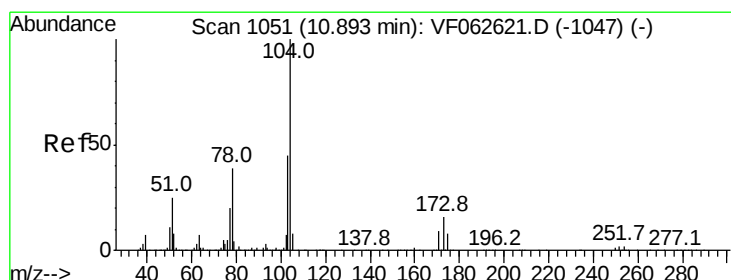
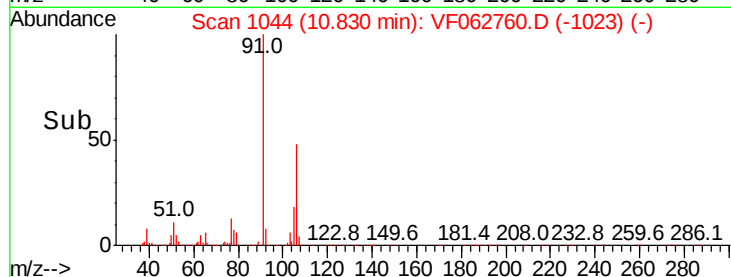
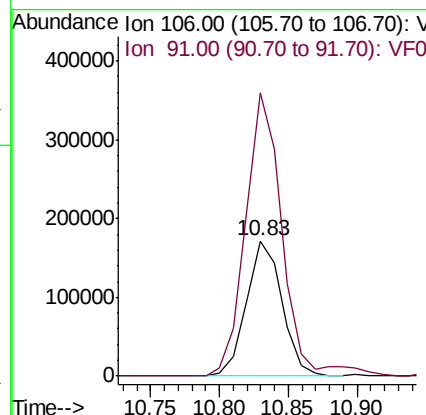
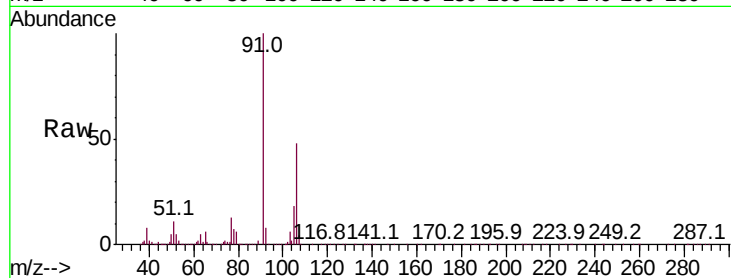
#69
o-Xylene
Concen: 22.524 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	100.2	300.5

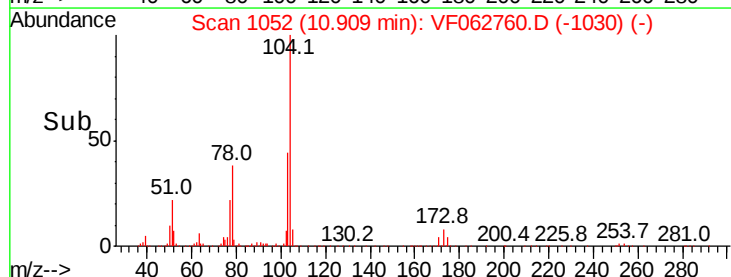
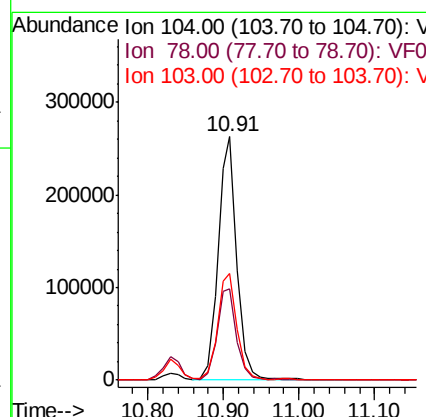
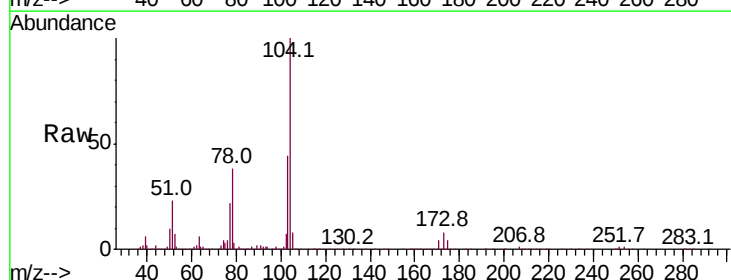
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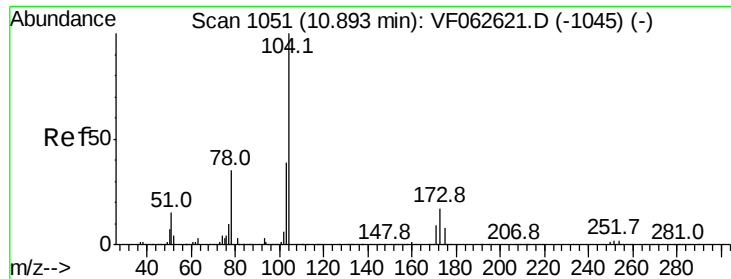
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#70
Styrene
Concen: 21.761 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	37.7	31.9	47.9
103	44.0	36.1	54.1





#71

Bromoform

Concen: 21.247 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

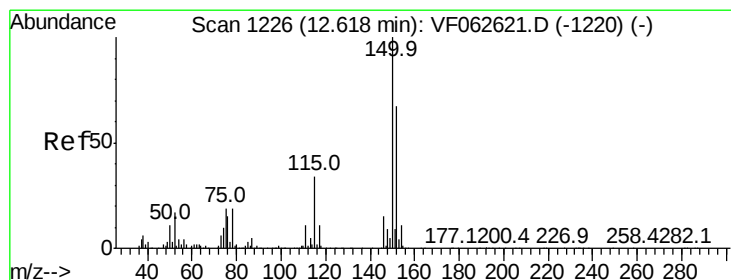
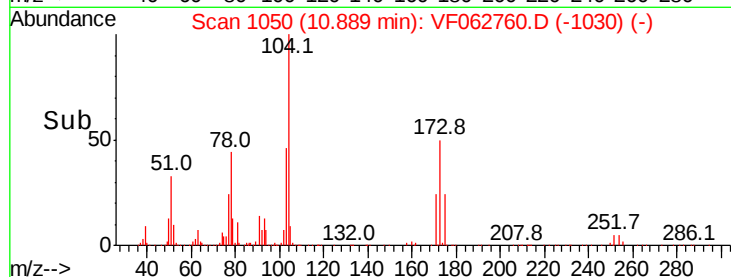
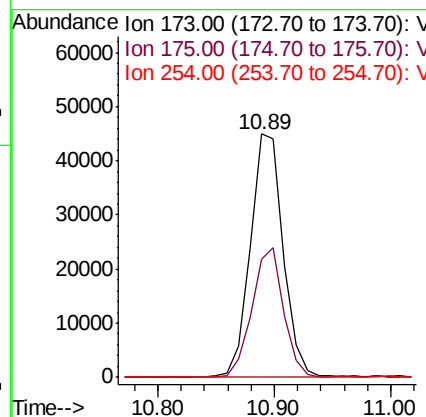
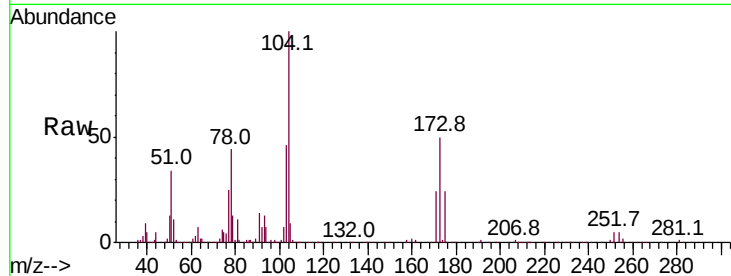
ClientSampleId :

VF0528SBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	25.3	75.9
254	0.3	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

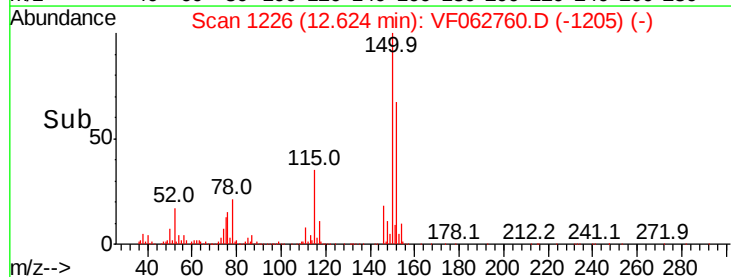
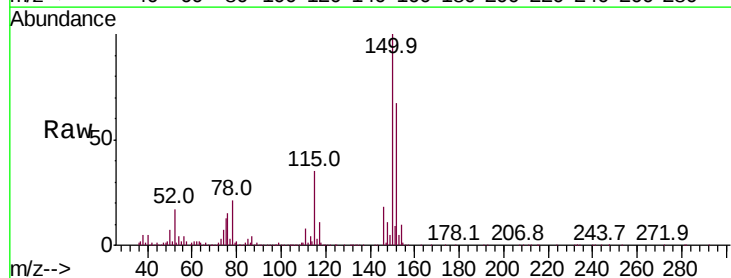
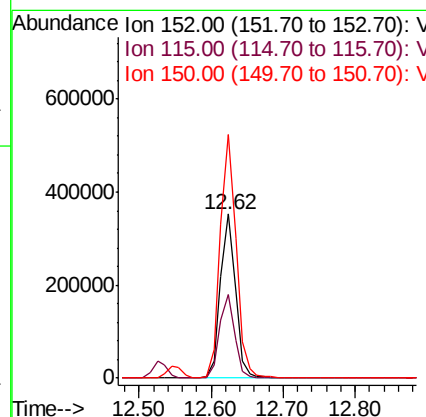
RT: 12.62 min Scan# 1226

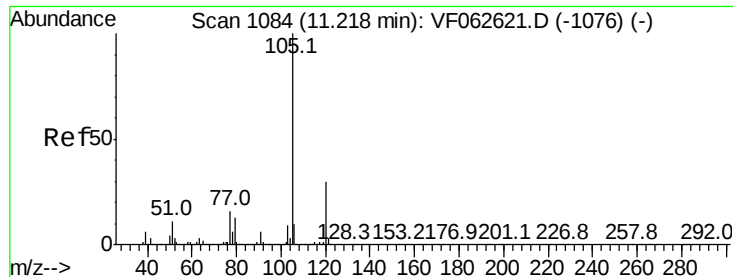
Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.4	25.2	75.6
150	148.4	0.0	306.2





#73

Isopropylbenzene

Concen: 23.259 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleID :

VF0528SBS02

Tot Ion: 105 Resp: 842133

Ion Ratio Lower Upper

105 100

120 26.7

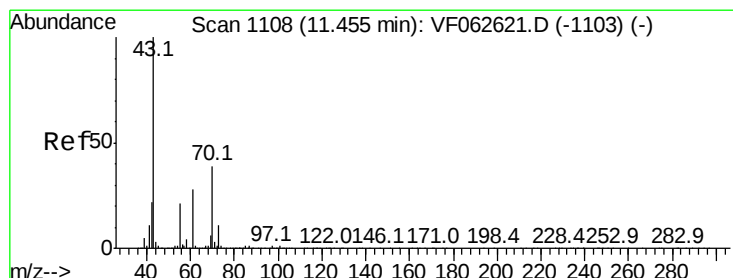
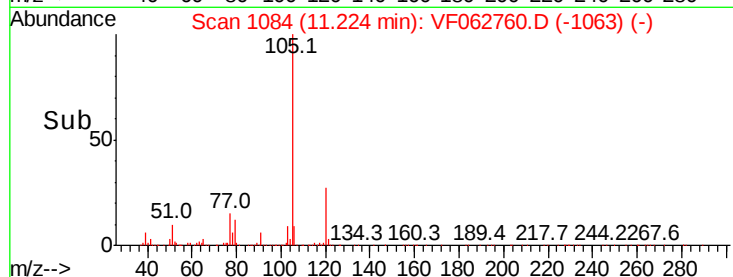
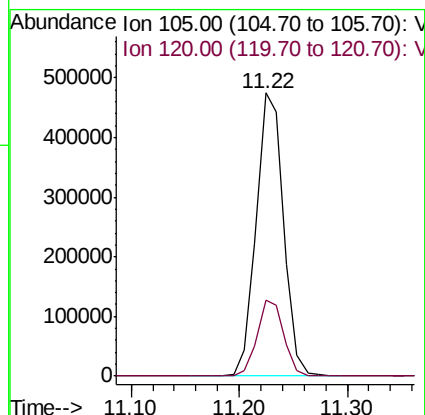
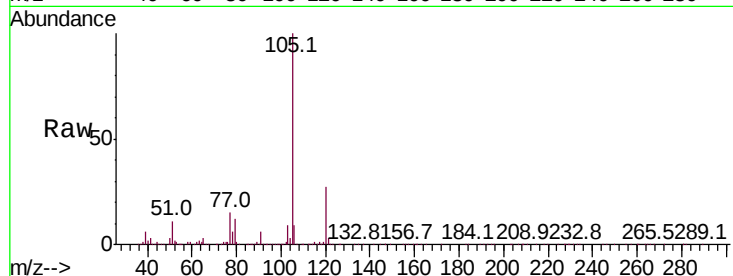
14.8

44.4

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#74

N-ethyl acetate

Concen: 22.678 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion: 43 Resp: 236081

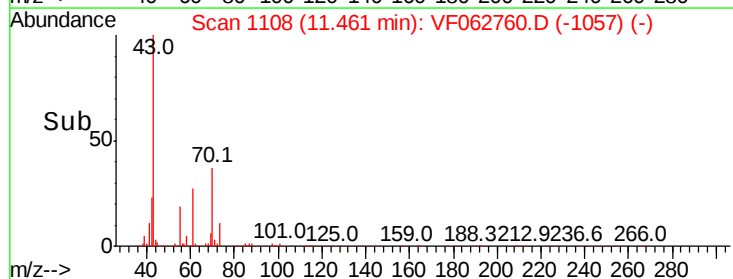
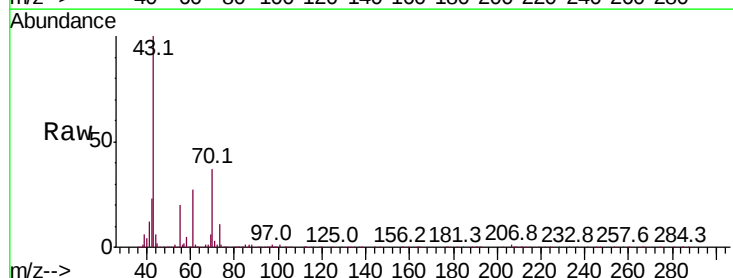
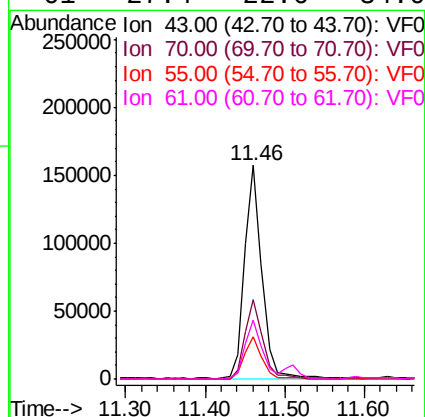
Ion Ratio Lower Upper

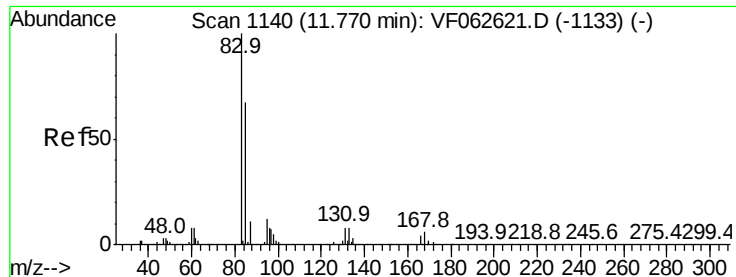
43 100

70 37.1 30.9 46.3

55 19.7 17.0 25.4

61 27.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.579 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

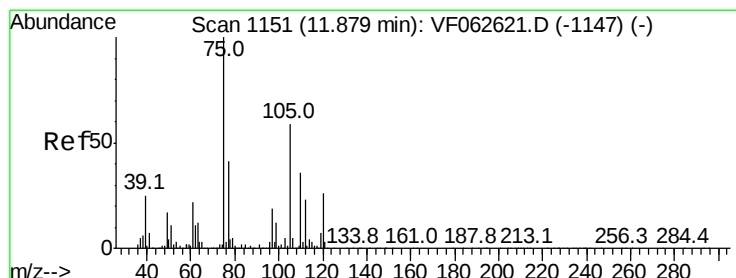
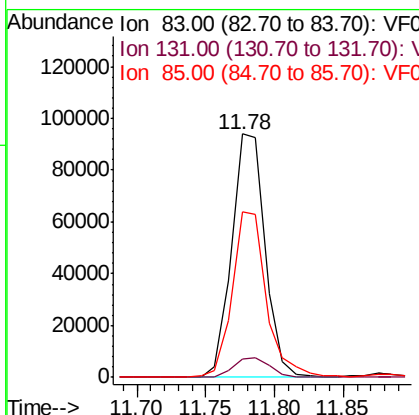
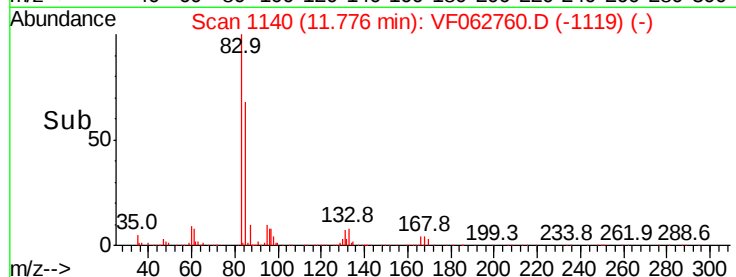
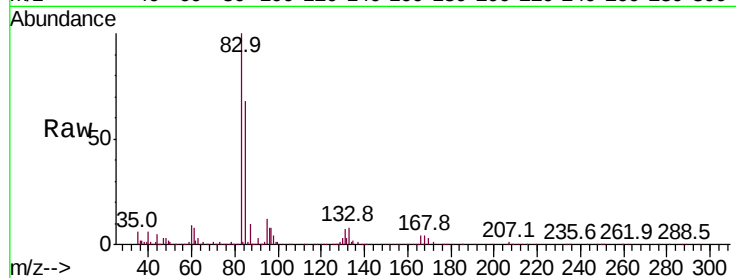
ClientSampleId :

VF0528SBS02

Tot Ion:	83	Resp:	159674
Ion Ratio	Lower	Upper	
83	100		
131	7.5	4.0	12.0
85	68.1	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 20.676 ug/l

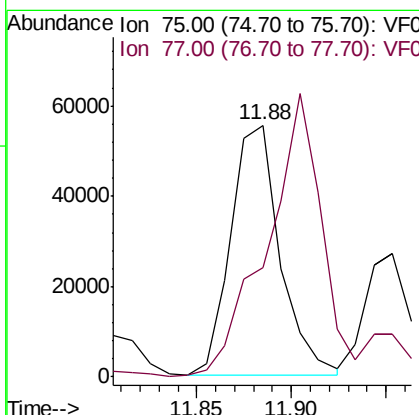
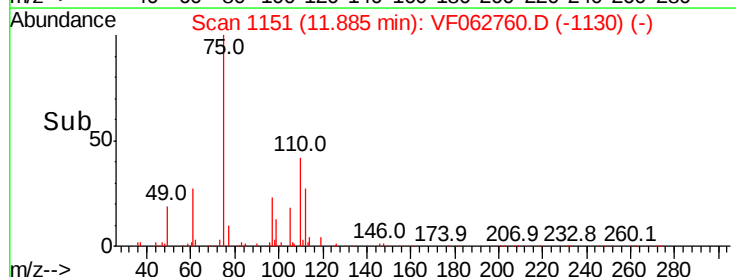
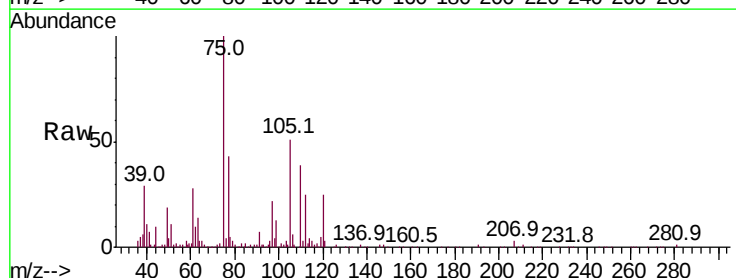
RT: 11.88 min Scan# 1151

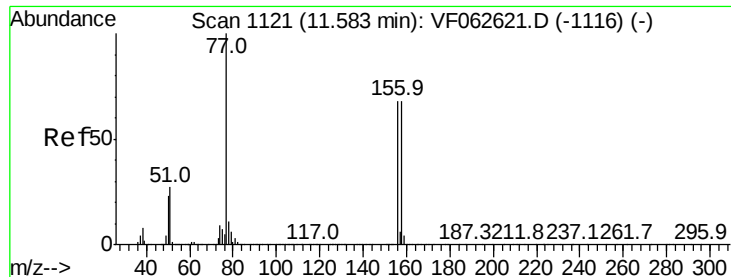
Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	75	Resp:	100525
Ion Ratio	Lower	Upper	
75	100		
77	43.4	20.6	61.8





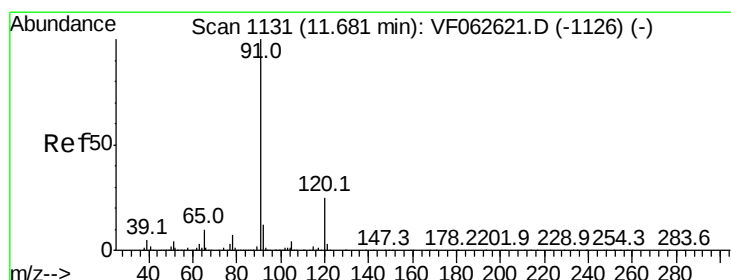
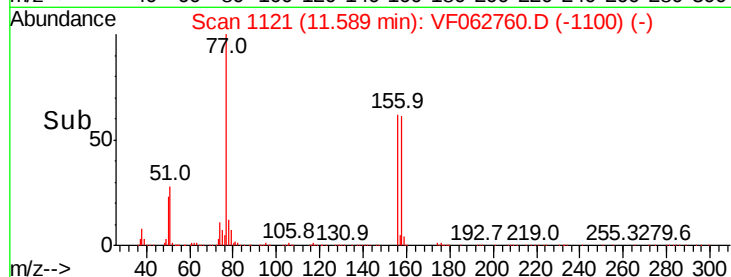
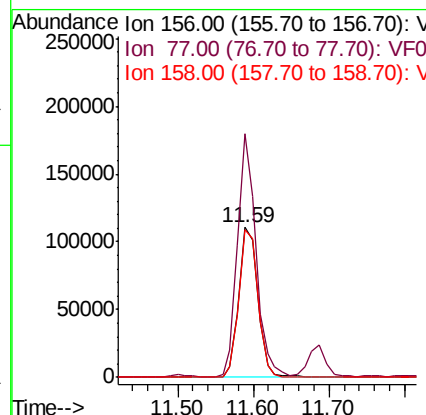
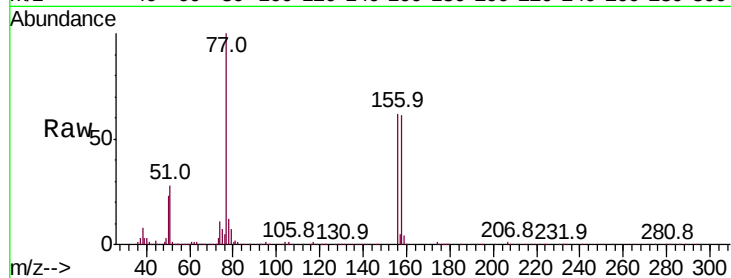
#77
Bromobenzene
Concen: 21.309 ug/l
RT: 11.59 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
156	100	191776		
77	162.6	73.6	220.8	
158	98.9	49.6	148.8	

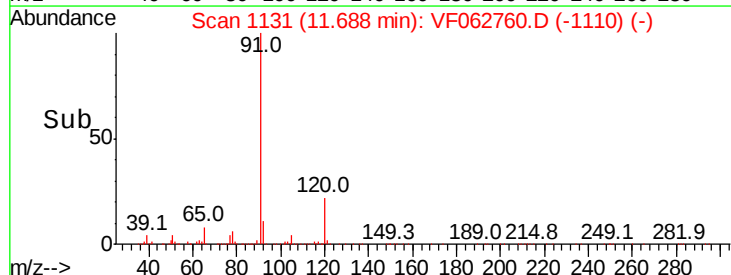
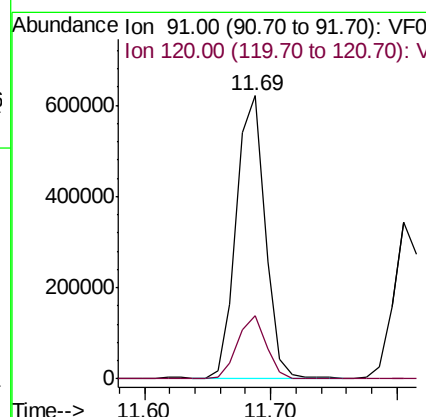
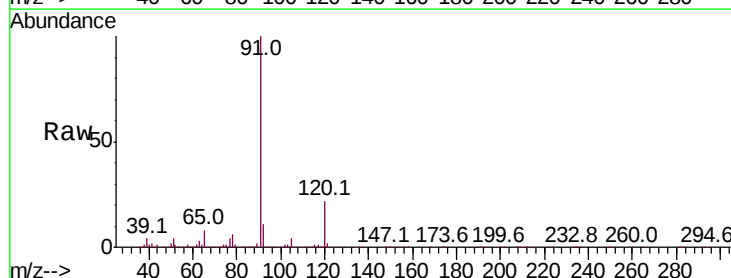
Manual Integrations
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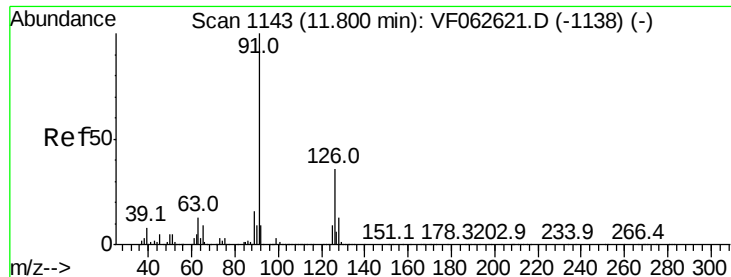
MMDadoda
5/29/2019 11:02:17 AM



#78
n-propylbenzene
Concen: 22.883 ug/l
RT: 11.69 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	980523		
120	22.4	12.7	38.1	





#79

2-Chlorotoluene

Concen: 22.102 ug/l

RT: 11.81 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 91 Resp: 533739

Ion Ratio Lower Upper

91 100

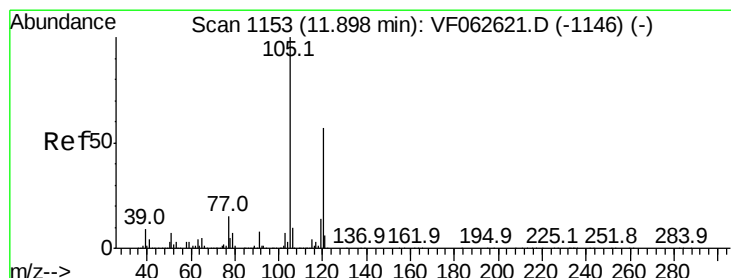
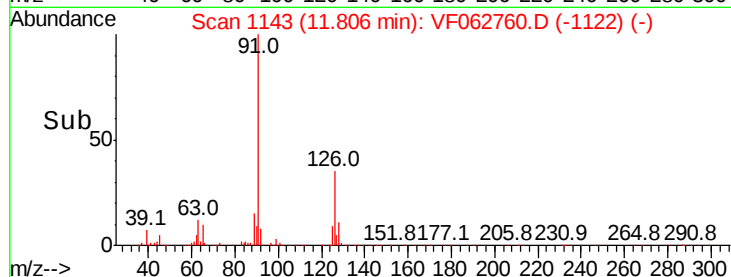
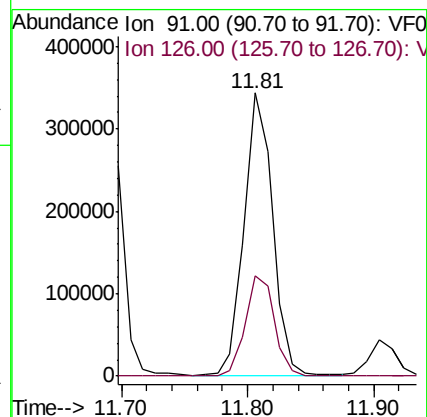
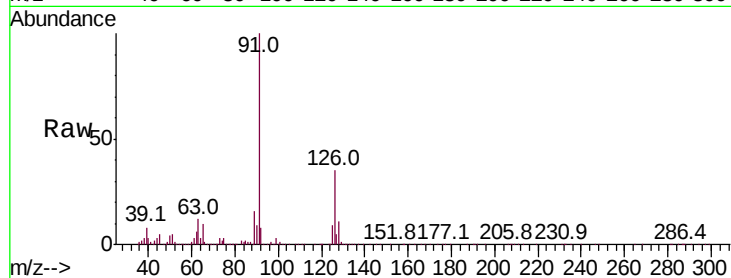
126 35.2 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 22.690 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062760.D

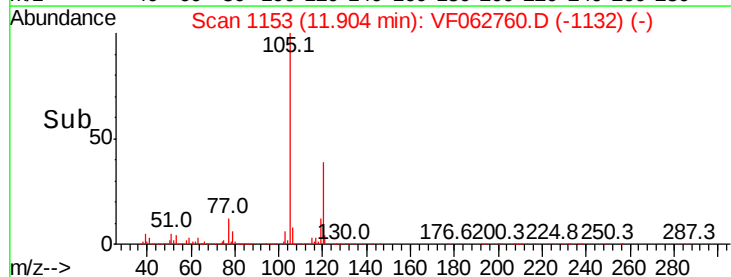
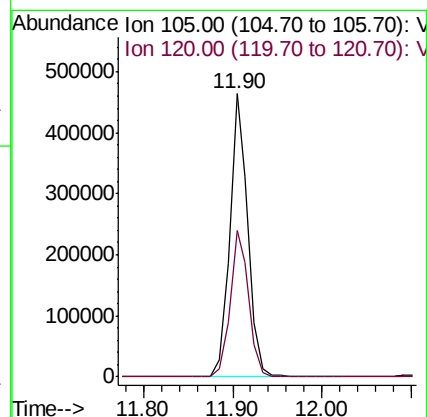
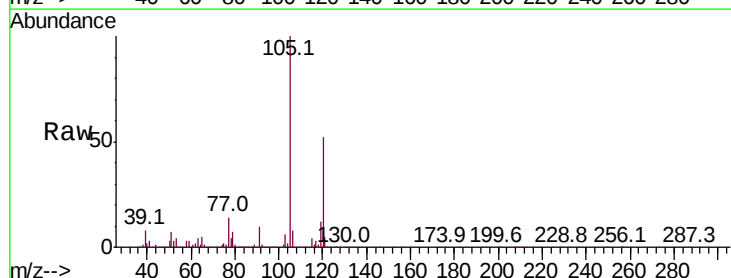
Acq: 28 May 2019 14:56

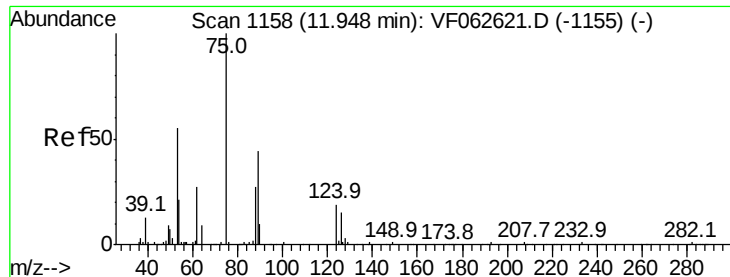
Tgt Ion: 105 Resp: 658748

Ion Ratio Lower Upper

105 100

120 51.8 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.954 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

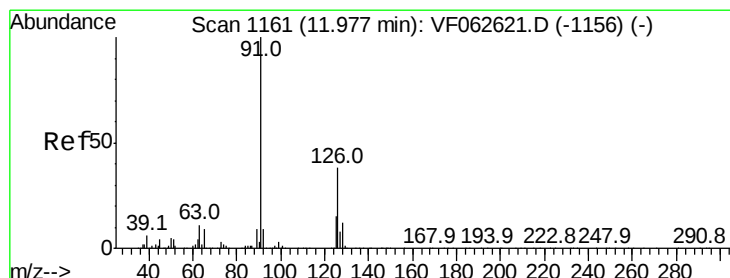
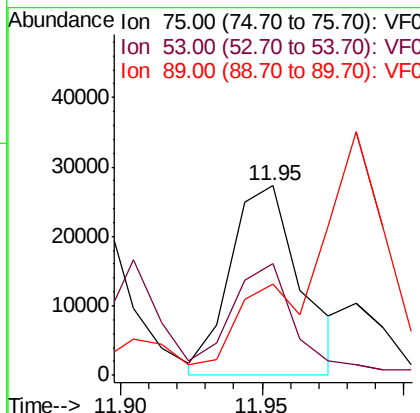
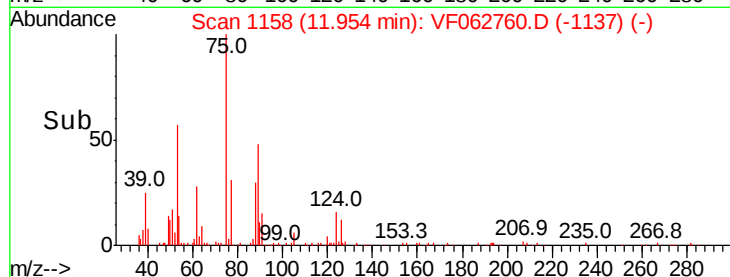
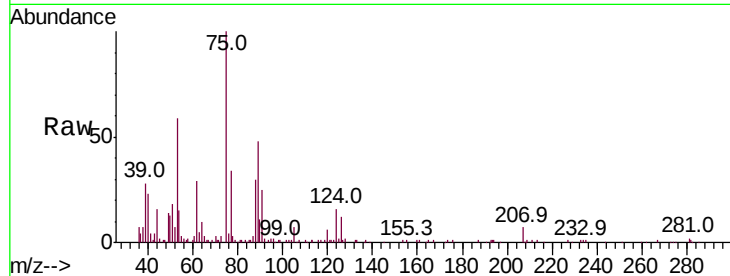
ClientSampleId :

VF0528SBSD02

Tot Ion:	75	Resp:	47446
Ion Ratio	Lower	Upper	
75	100		
53	58.7	46.9	70.3
89	48.4	36.4	54.6

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#82

4-Chlorotoluene

Concen: 22.411 ug/l

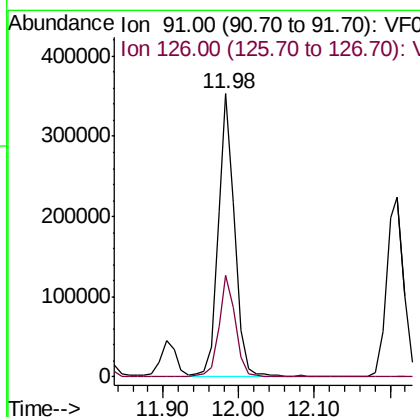
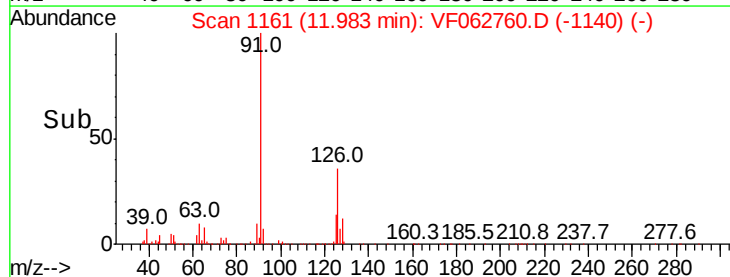
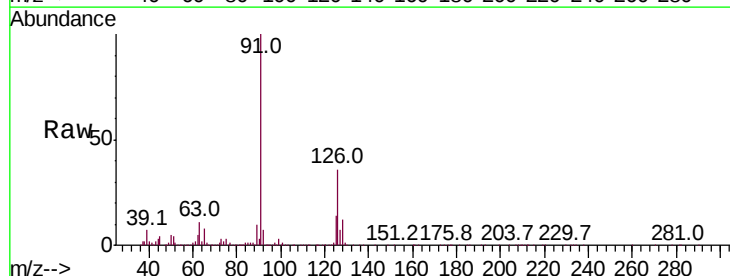
RT: 11.98 min Scan# 1161

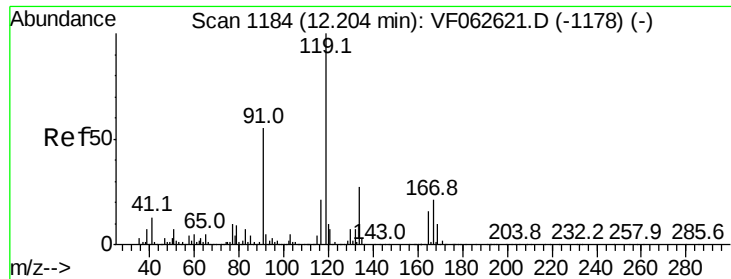
Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	91	Resp:	533680
Ion Ratio	Lower	Upper	
91	100		
126	36.1	19.1	57.1





#83

tert-Butylbenzene

Concen: 22.775 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

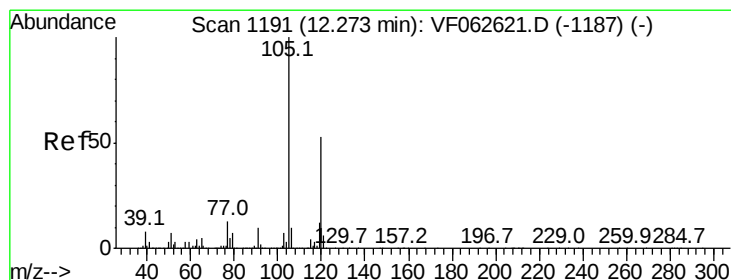
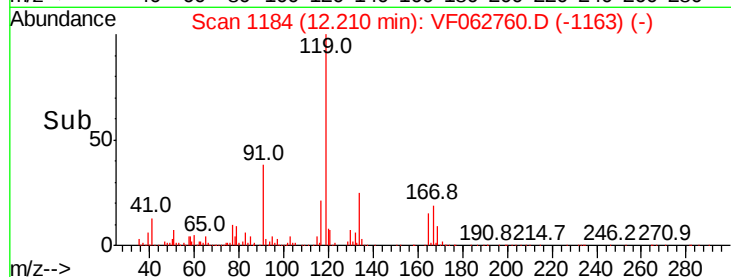
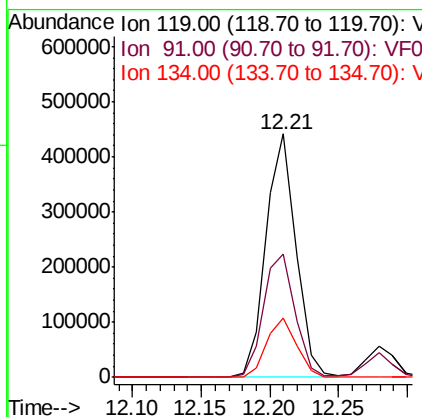
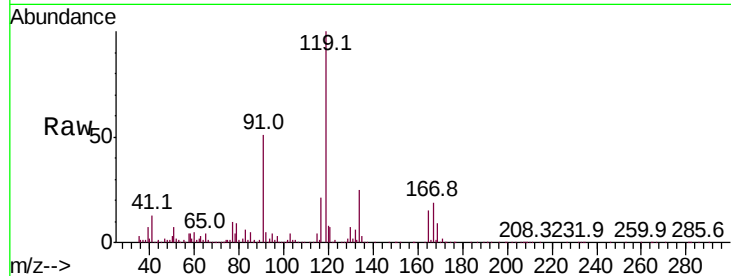
ClientSampleId :

VF0528SBS02

Tot Ion:	119	Resp:	670845
Ion Ratio	Lower	Upper	
119	100		
91	50.8	27.3	81.9
134	24.6	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 22.884 ug/l

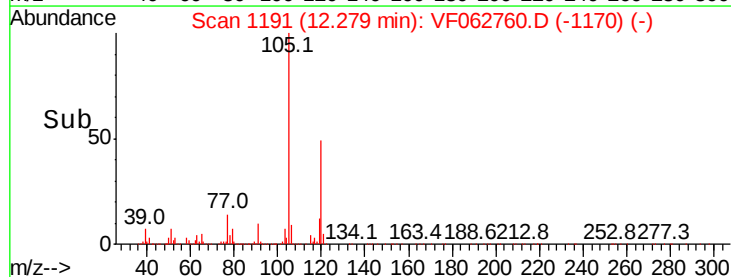
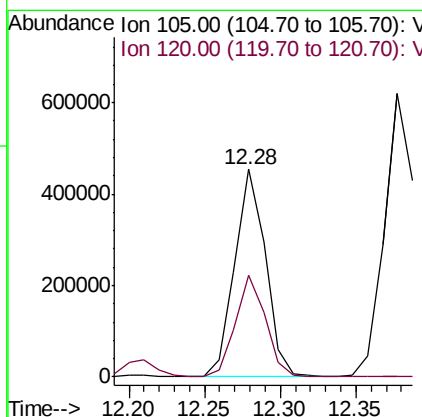
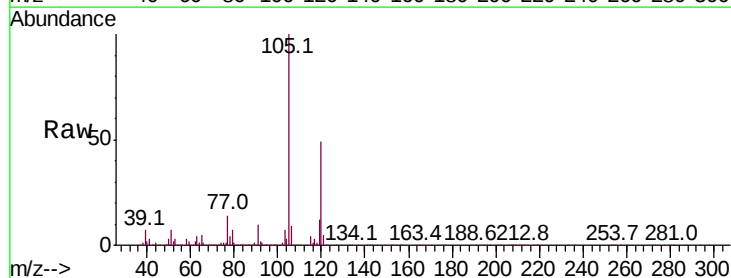
RT: 12.28 min Scan# 1191

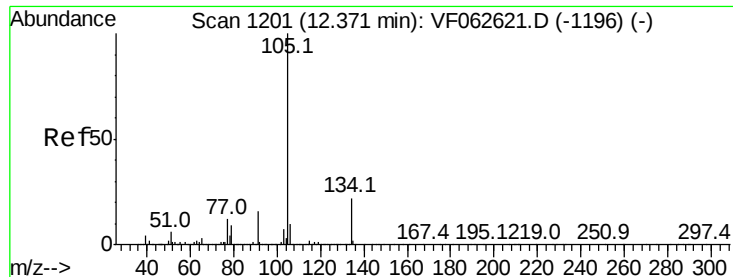
Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion:	105	Resp:	643019
Ion Ratio	Lower	Upper	
105	100		
120	48.7	26.7	80.1





#85

sec-Butylbenzene

Concen: 22.583 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion:105 Resp: 892691

Ion Ratio Lower Upper

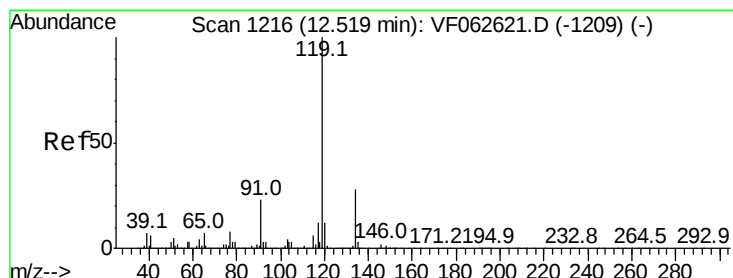
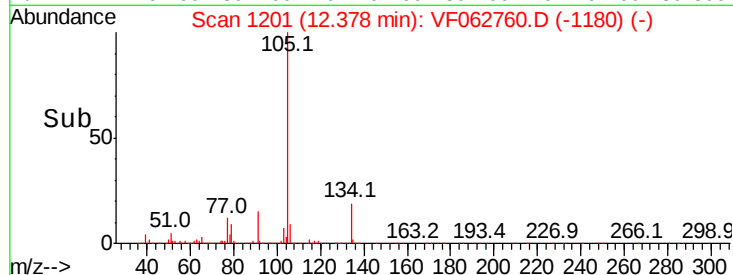
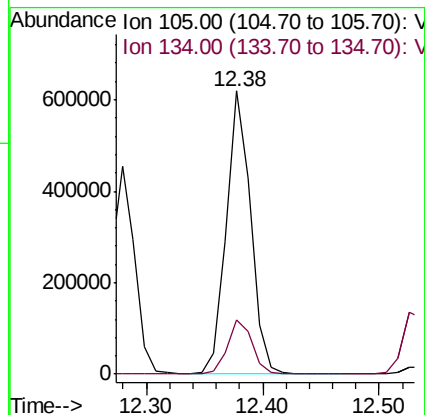
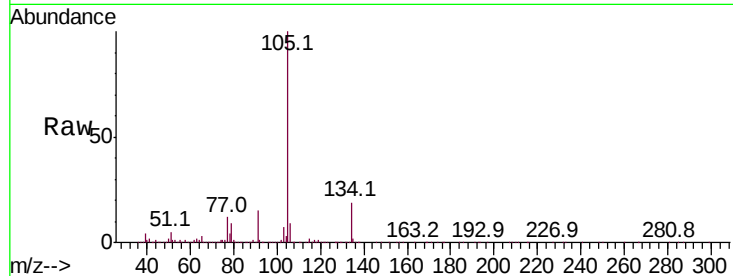
105 100

134 19.2 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 22.714 ug/l

RT: 12.53 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

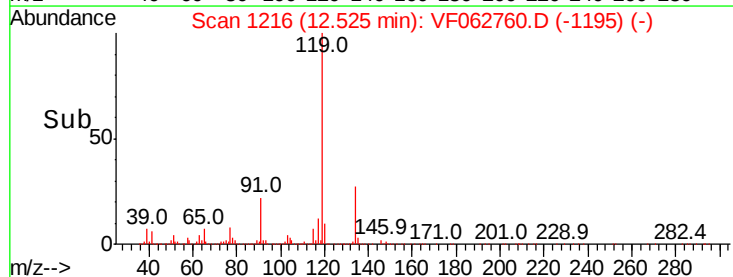
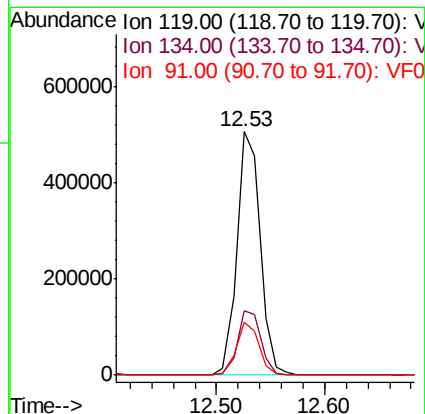
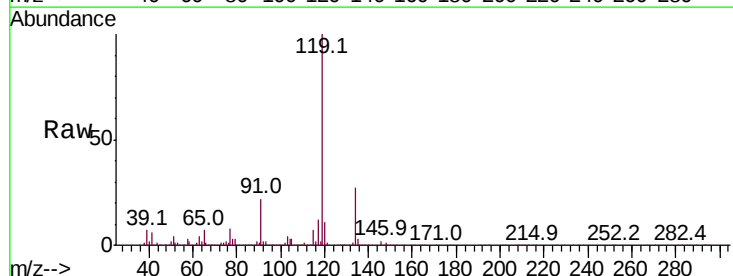
Tgt Ion:119 Resp: 756687

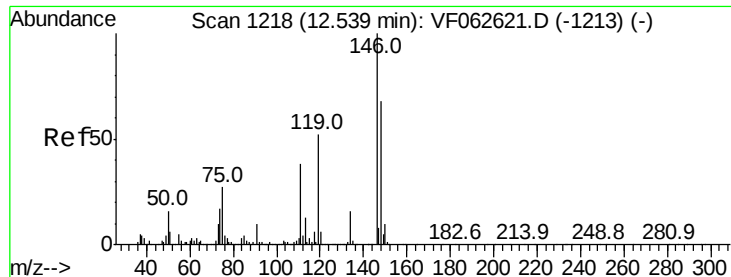
Ion Ratio Lower Upper

119 100

134 26.7 14.1 42.3

91 21.6 11.4 34.2





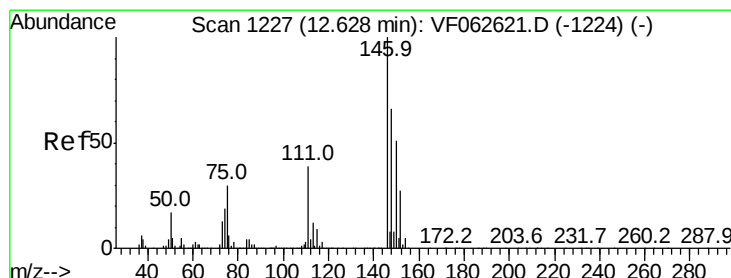
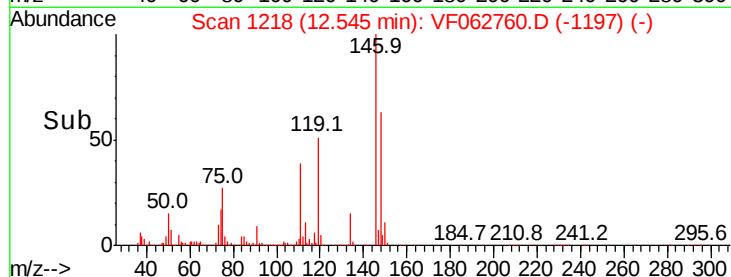
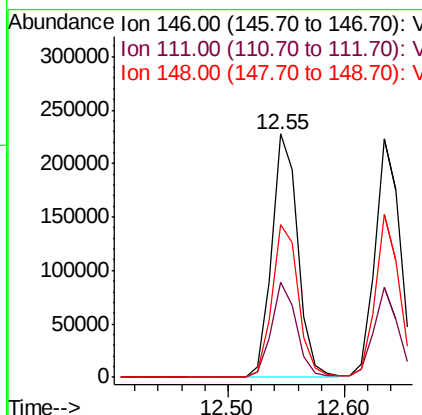
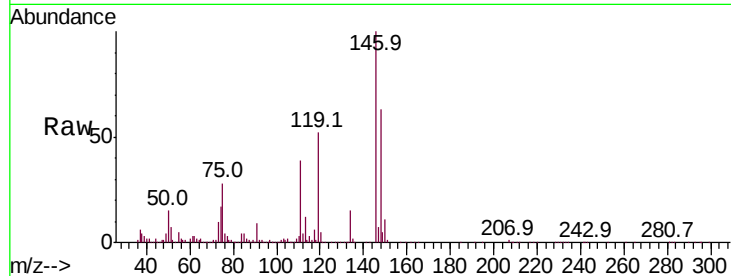
#87
 1,3-Dichlorobenzene
 Concen: 21.615 ug/l
 RT: 12.55 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.9	56.9
148	62.6	34.0	101.8

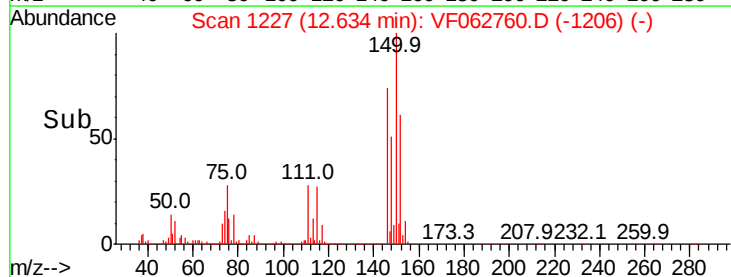
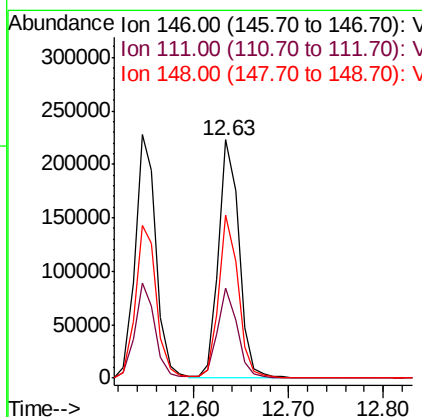
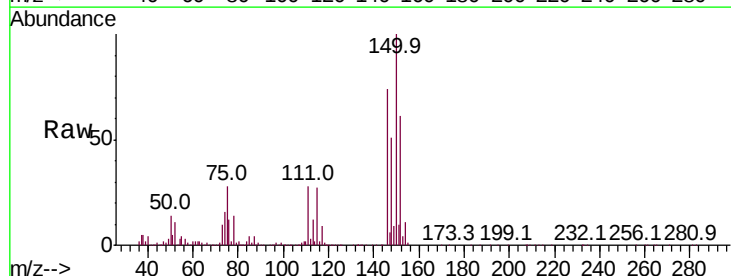
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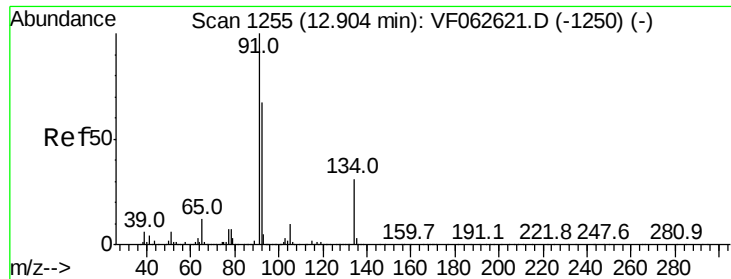
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#88
 1,4-Dichlorobenzene
 Concen: 21.910 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.2
148	68.6	33.2	99.6





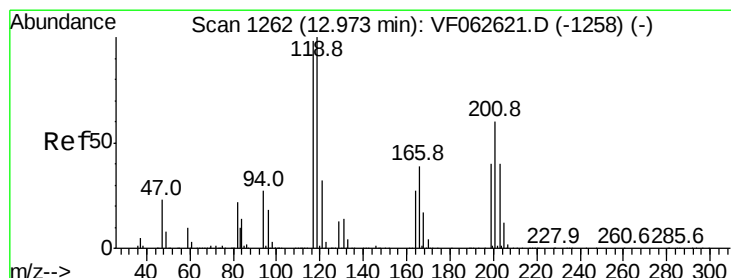
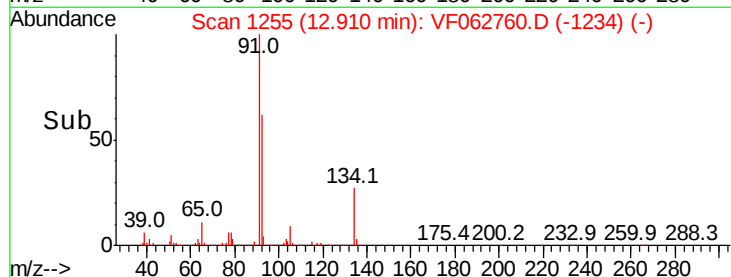
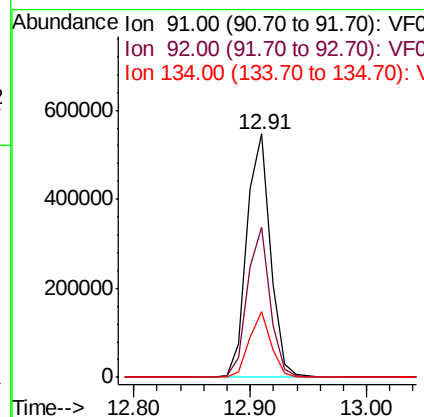
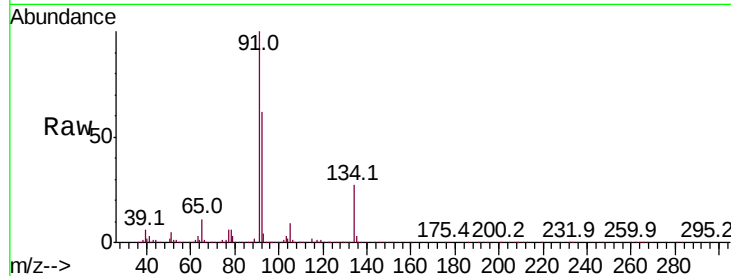
#89
n-Butylbenzene
Concen: 23.370 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.5	33.3	99.8
134	27.1	15.4	46.4

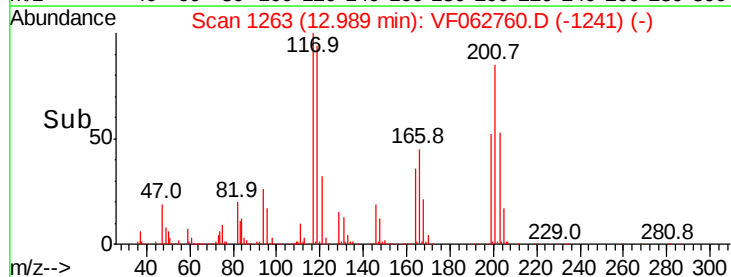
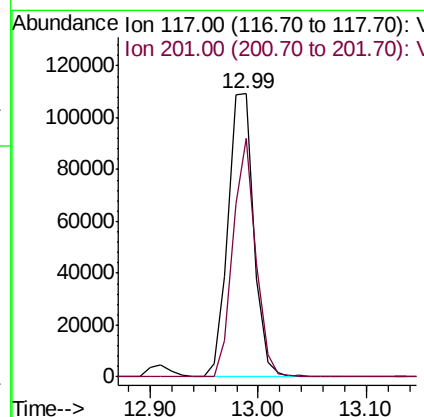
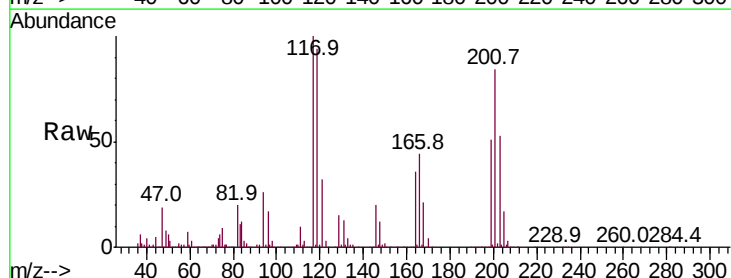
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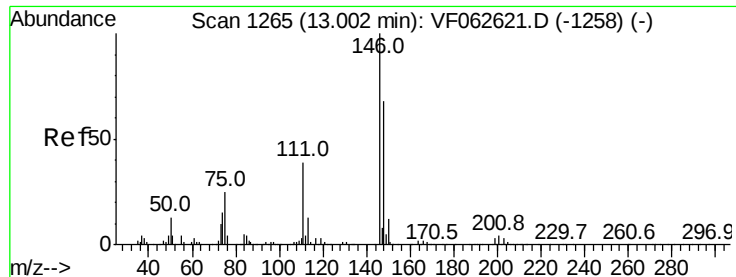
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#90
Hexachloroethane
Concen: 22.905 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	30.7	92.1





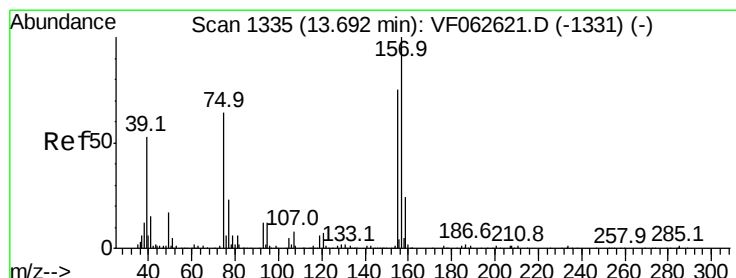
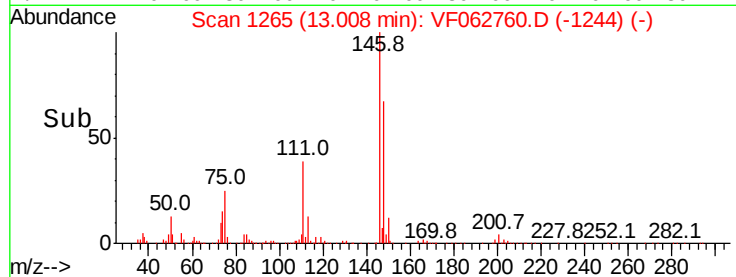
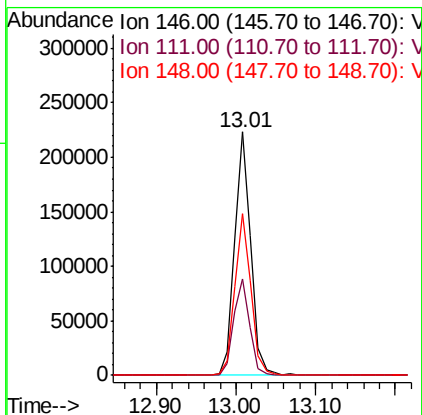
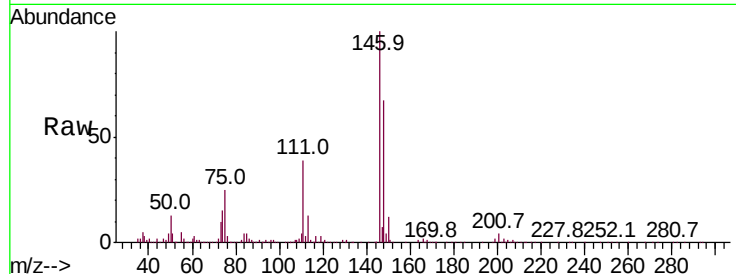
#91
 1,2-Dichlorobenzene
 Concen: 21.952 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	66.6	34.1	102.2

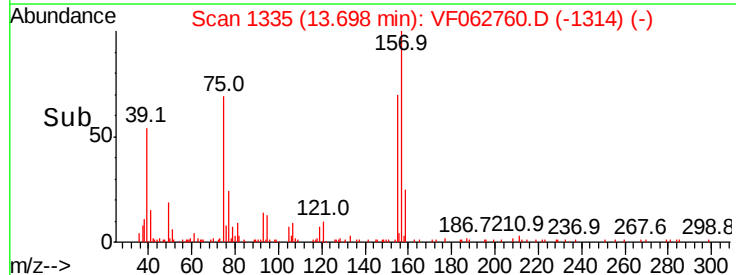
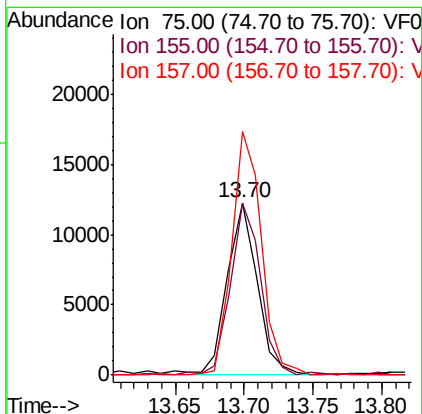
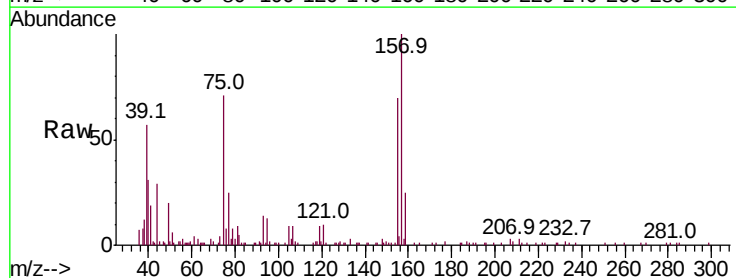
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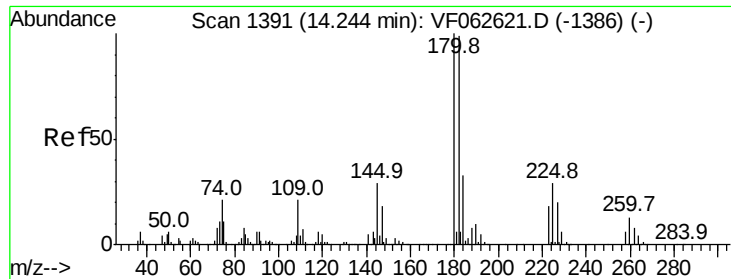
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.188 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	58.1	174.3
157	141.1	77.8	233.4





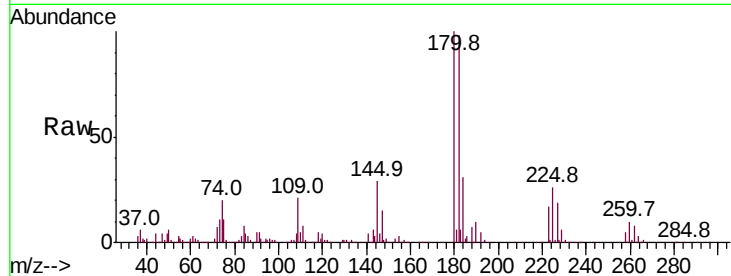
#93
 1,2,4-Trichlorobenzene
 Concen: 19.481 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.7	49.7	149.1	
145	28.7	14.6	44.0	

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:02:17 AM

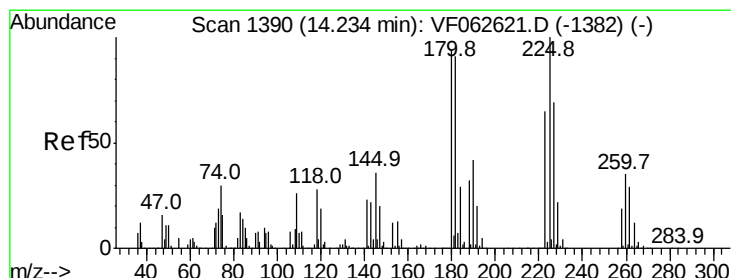
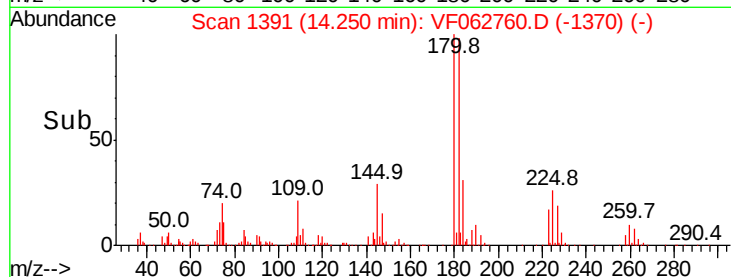
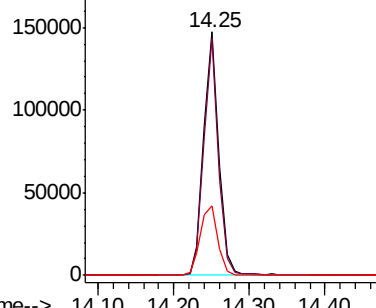


Abundance

Ion 180.00 (179.70 to 180.70): V

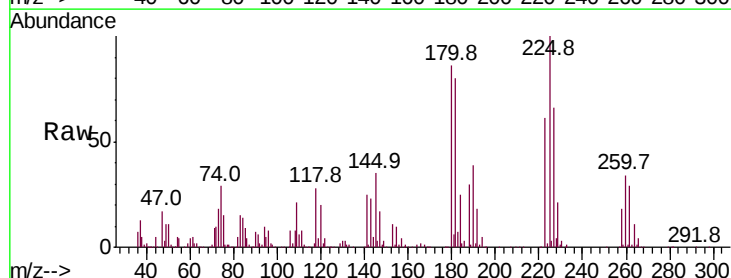
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 19.879 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	32.5	97.4	
227	65.6	34.5	103.5	

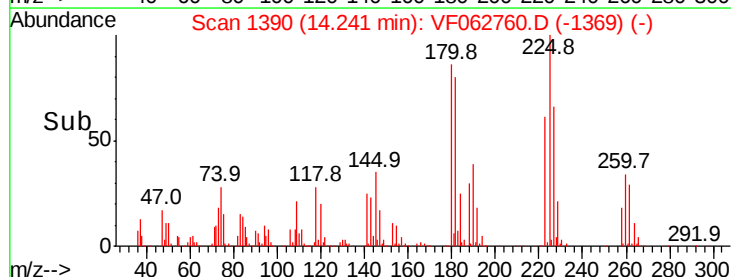
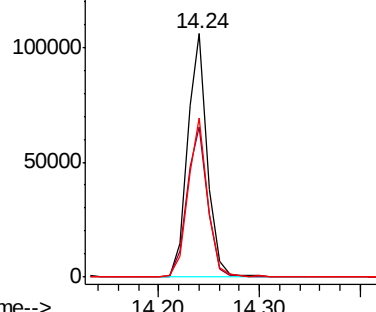


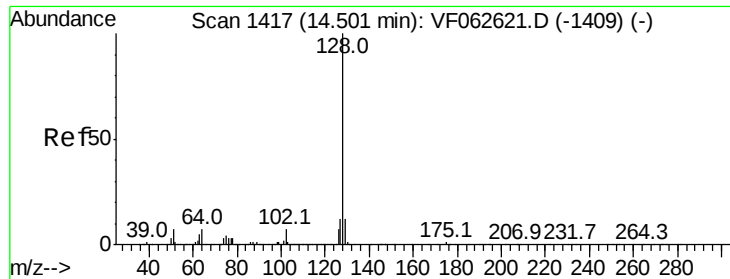
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





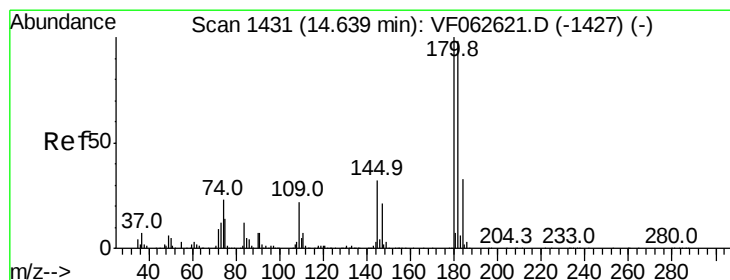
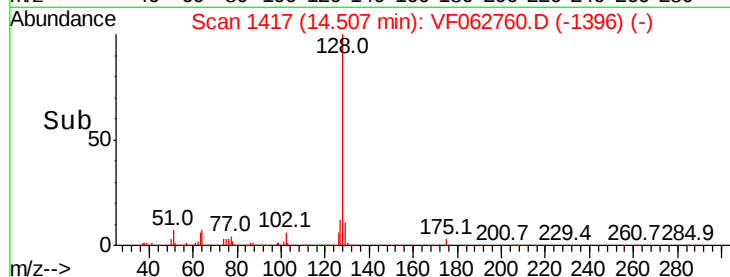
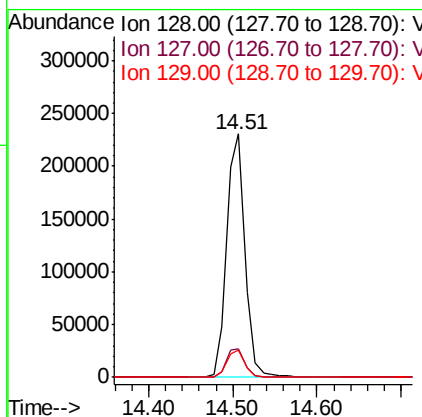
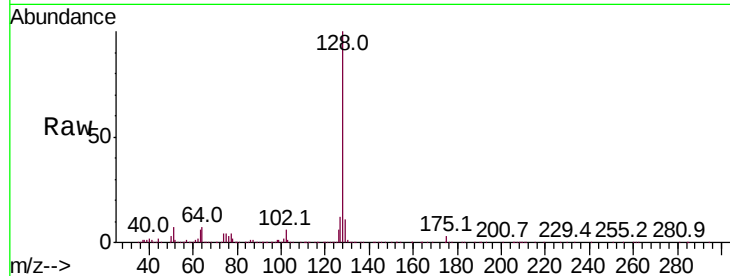
#95
Naphthalene
Concen: 18.395 ug/l
RT: 14.51 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.7	14.5
129	11.1	9.3	13.9

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.934 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.9	146.7
145	31.8	16.1	48.2

