

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062759.D
 Acq On : 28 May 2019 14:28
 Operator : FY/SY
 Sample : VF0528SBS02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:02:12 AM

Quant Time: May 29 02:12:23 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	5.08	168	810965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1325035	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1012114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	489947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	242160	42.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	84.52%	
35) Dibromofluoromethane	4.34	113	454206	44.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	89.60%	
50) Toluene-d8	7.73	98	1067556	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
62) 4-Bromofluorobenzene	11.50	95	397364	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	195337	17.700	ug/l	98
3) Chloromethane	1.14	50	177472	17.465	ug/l	89
4) Vinyl Chloride	1.19	62	171971	18.385	ug/l	95
5) Bromomethane	1.39	94	92853	18.145	ug/l	100
6) Chloroethane	1.46	64	63579	18.507	ug/l	89
7) Trichlorofluoromethane	1.55	101	254001	20.224	ug/l	94
8) Diethyl Ether	1.72	74	46202	18.569	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	157390	19.680	ug/l	92
10) Methyl Iodide	2.00	142	309145m	19.678	ug/l	
11) Tert butyl alcohol	2.71	59	34069	90.048	ug/l	94
12) 1,1-Dichloroethene	1.88	96	151533	20.800	ug/l	97
13) Acrolein	2.11	56	25405	64.327	ug/l	97
14) Allyl chloride	2.21	41	143425m	21.753	ug/l	
15) Acrylonitrile	3.10	53	163243	152.958	ug/l #	92
16) Acetone	2.37	43	127372	85.673	ug/l #	88
17) Carbon Disulfide	1.91	76	407623	18.878	ug/l #	94
18) Methyl Acetate	2.47	43	50004	21.403	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	275883	21.184	ug/l	100
20) Methylene Chloride	2.36	84	160298m	21.510	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	144328	20.269	ug/l	94
22) Diisopropyl ether	2.95	45	321162	19.749	ug/l	99
23) Vinyl Acetate	3.36	43	1122634	102.338	ug/l	99
24) 1,1-Dichloroethane	3.03	63	252208	21.141	ug/l	99
25) 2-Butanone	4.54	43	311060	97.929	ug/l	99
26) 2,2-Dichloropropane	3.79	77	156514	22.930	ug/l	96
27) cis-1,2-Dichloroethene	3.67	96	250104	21.353	ug/l	97
28) Bromochloromethane	3.92	49	126965	18.976	ug/l	96
29) Tetrahydrofuran	4.30	42	124194	96.621	ug/l	96
30) Chloroform	4.08	83	354683	21.414	ug/l	98
31) Cyclohexane	3.89	56	334663	20.893	ug/l	97
32) 1,1,1-Trichloroethane	4.32	97	230114	20.919	ug/l	95
36) 1,1-Dichloropropene	4.49	75	279668	20.598	ug/l	96
37) Ethyl Acetate	4.33	43	117940	21.275	ug/l	89
38) Carbon Tetrachloride	4.21	117	202321	19.813	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	336294	20.585	ug/l	97
40) Benzene	4.85	78	814200	22.012	ug/l	99
41) Methacrylonitrile	4.96	41	58177	20.017	ug/l	94
42) 1,2-Dichloroethane	5.16	62	154695	20.972	ug/l	94
43) Isopropyl Acetate	7.14	43	149676	20.840	ug/l	91
44) Trichloroethene	5.71	130	222337	21.387	ug/l	90
45) 1,2-Dichloropropane	6.43	63	203317	21.775	ug/l	95
46) Dibromomethane	6.29	93	115987	21.494	ug/l	93
47) Bromodichloromethane	6.57	83	243755	21.759	ug/l	99
48) Methyl methacrylate	6.90	41	74049	19.726	ug/l	99
49) 1,4-Dioxane	6.90	88	19440	404.322	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	524170	106.772	ug/l	98
52) Toluene	7.80	92	428195	22.073	ug/l	91
53) t-1,3-Dichloropropene	8.45	75	199761	21.796	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	287893	22.440	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	124835	21.734	ug/l	89
56) Ethyl methacrylate	8.77	69	144123	21.062	ug/l	95
57) 1,3-Dichloropropane	9.02	76	215720	22.050	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	253008	113.591	ug/l	98
59) 2-Hexanone	9.64	43	345875	97.408	ug/l	99
60) Dibromochloromethane	8.88	129	171390	22.895	ug/l	97
61) 1,2-Dibromoethane	9.16	107	137440	22.529	ug/l	96
64) Tetrachloroethene	8.33	164	180771	22.545	ug/l	95
65) Chlorobenzene	9.96	112	456398	22.959	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	177028	22.183	ug/l	97
67) Ethyl Benzene	10.04	91	790702	22.896	ug/l	95
68) m/p-Xylenes	10.27	106	589306	45.403	ug/l	86
69) o-Xylene	10.83	106	295767	22.124	ug/l	97
70) Styrene	10.90	104	442524	21.778	ug/l	98
71) Bromoform	10.89	173	86215	21.571	ug/l #	99
73) Isopropylbenzene	11.23	105	791767	22.548	ug/l	95
74) N-amyl acetate	11.46	43	203525	19.486	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	162656	22.666	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	101595	21.546	ug/l	91
77) Bromobenzene	11.59	156	186086	21.319	ug/l	96
78) n-propylbenzene	11.68	91	934834	22.495	ug/l	90
79) 2-Chlorotoluene	11.81	91	520790	22.236	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	643694	22.861	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	45372m	21.647	ug/l	
82) 4-Chlorotoluene	11.99	91	518091	22.432	ug/l	97
83) tert-Butylbenzene	12.20	119	625477	21.895	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	617120	22.645	ug/l	96
85) sec-Butylbenzene	12.38	105	853248	22.256	ug/l	97
86) p-Isopropyltoluene	12.53	119	731513	22.641	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	344384	21.808	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	319324	21.548	ug/l	99
89) n-Butylbenzene	12.90	91	728139	22.858	ug/l	91
90) Hexachloroethane	12.98	117	171428	22.118	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	314466	22.339	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	18053	21.087	ug/l	65

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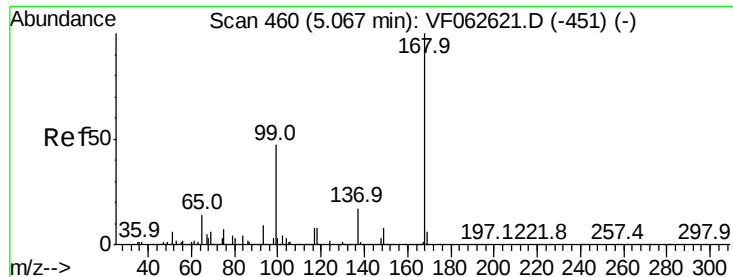
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	213119	21.151	ug/l	93
94) Hexachlorobutadiene	14.23	225	152367	21.668	ug/l	95
95) Naphthalene	14.50	128	339121	18.526	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	203973	21.372	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion:168 Resp: 810965

Ion Ratio Lower Upper

168 100

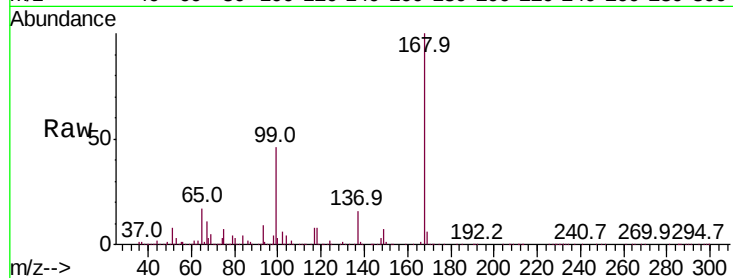
99 46.3 37.8 56.8

Manual Integrations

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5/29/2019 11:02:12 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

300000

250000

200000

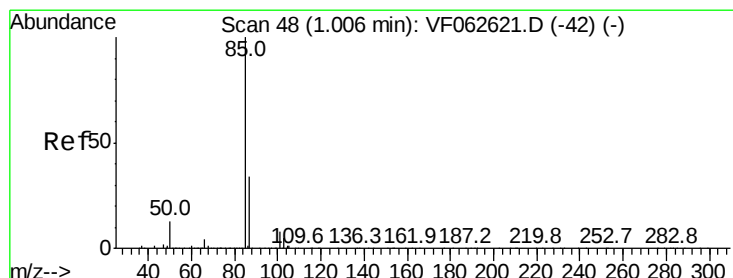
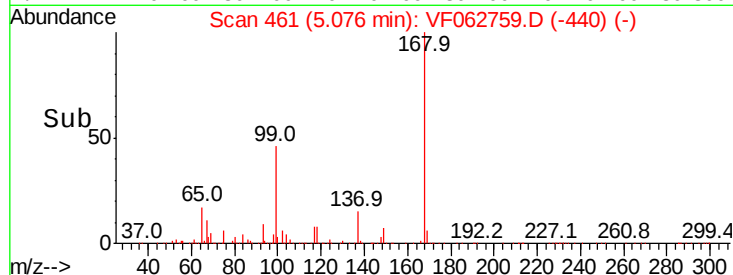
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.700 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062759.D

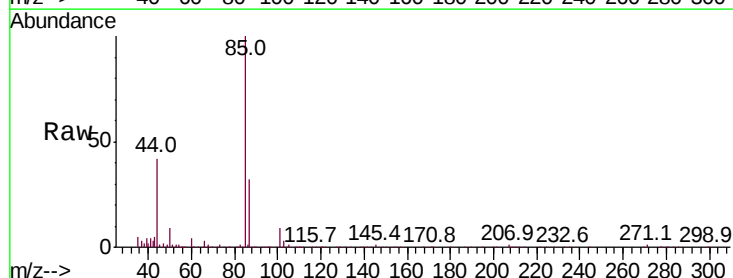
Acq: 28 May 2019 14:28

Tgt Ion: 85 Resp: 195337

Ion Ratio Lower Upper

85 100

87 32.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

60000

50000

40000

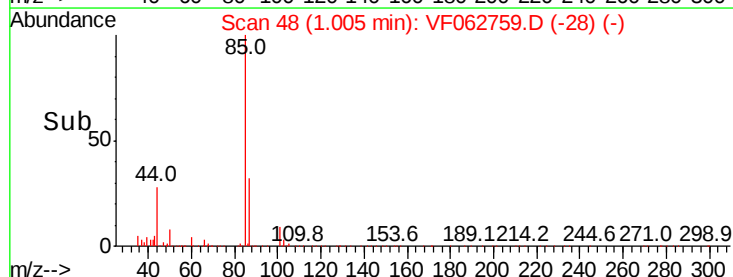
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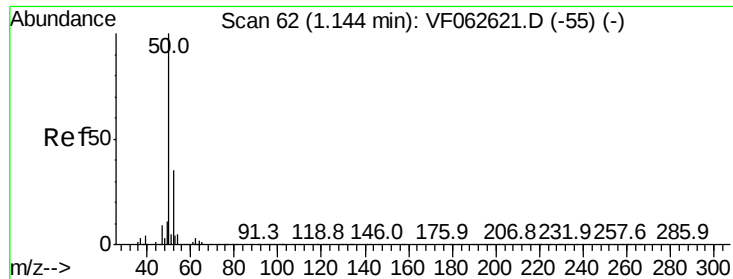
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.465 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 50 Resp: 177472

Ion Ratio Lower Upper

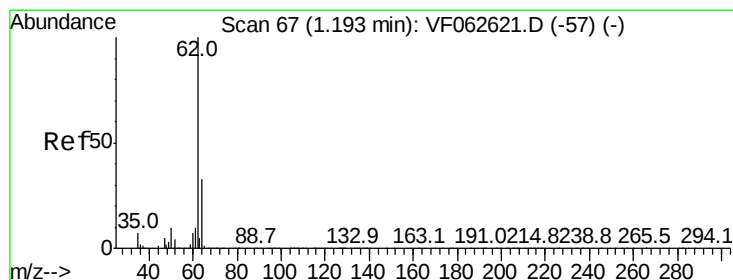
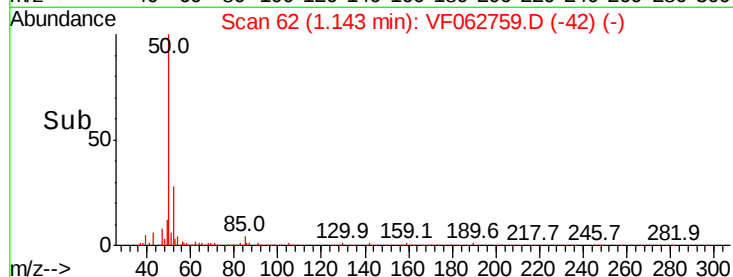
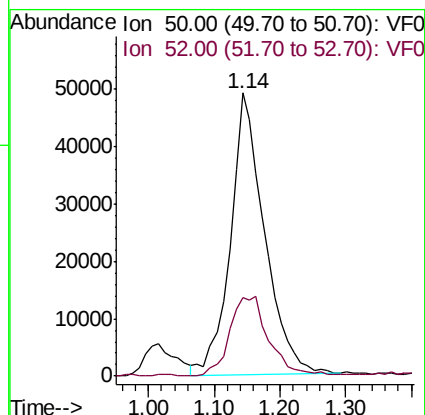
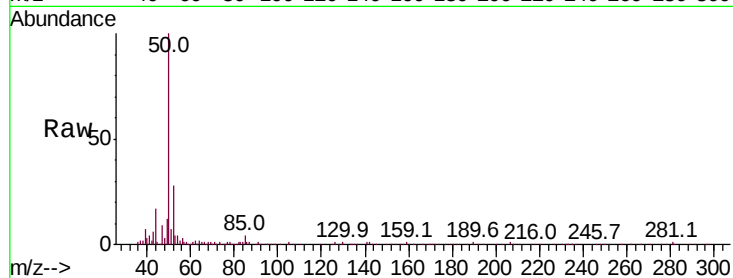
50 100

52 27.8 27.5 41.3

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#4

Vinyl Chloride

Concen: 18.385 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062759.D

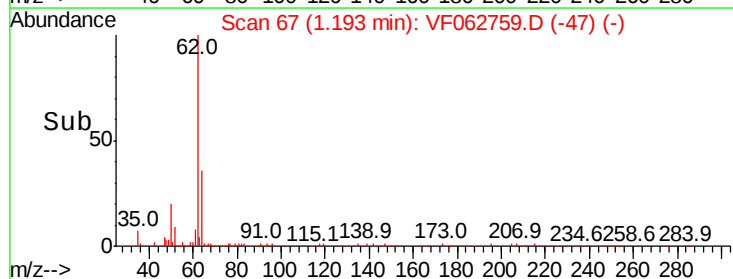
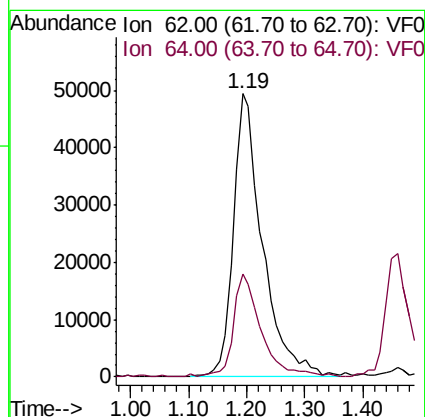
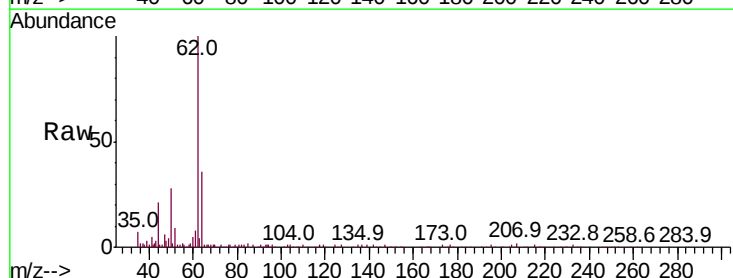
Acq: 28 May 2019 14:28

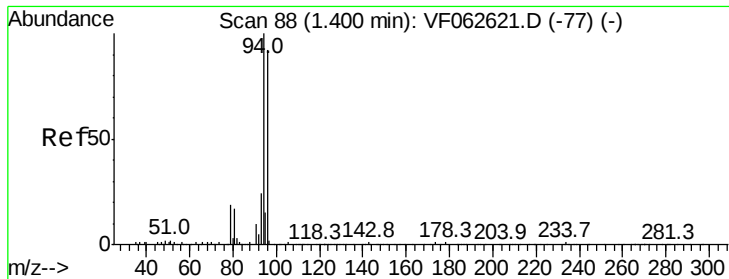
Tgt Ion: 62 Resp: 171971

Ion Ratio Lower Upper

62 100

64 36.1 26.7 40.1





#5

Bromomethane

Concen: 18.145 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 94 Resp: 92853

Ion Ratio Lower Upper

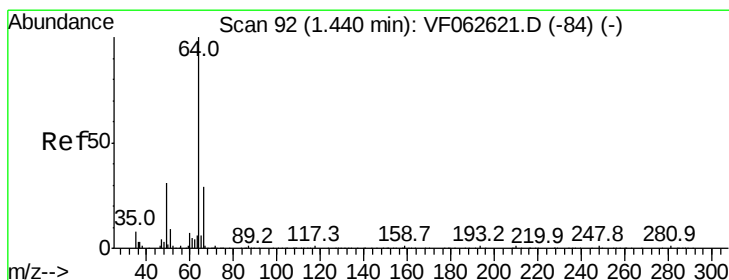
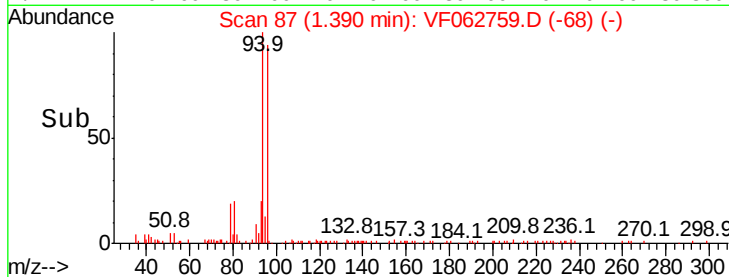
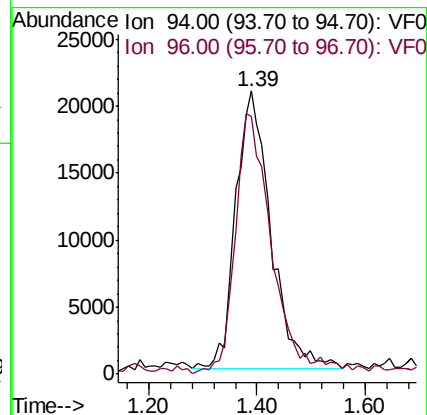
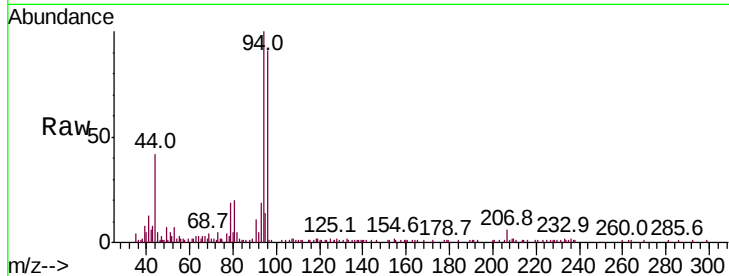
94 100

96 91.3 73.2 109.8

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#6

Chloroethane

Concen: 18.507 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062759.D

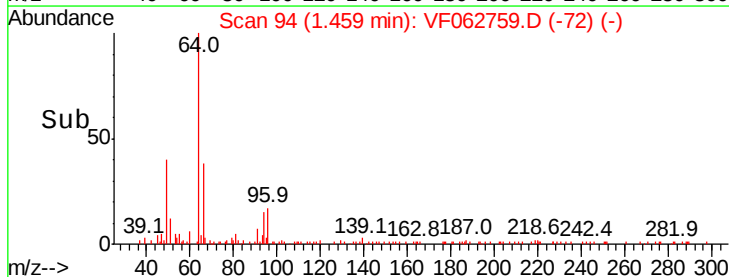
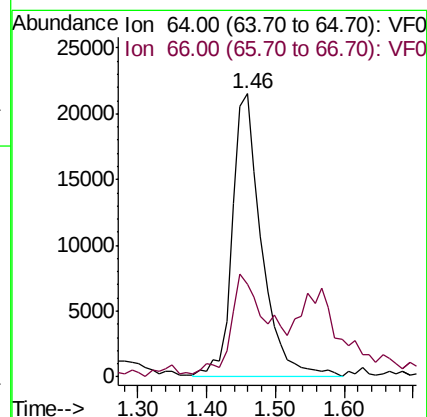
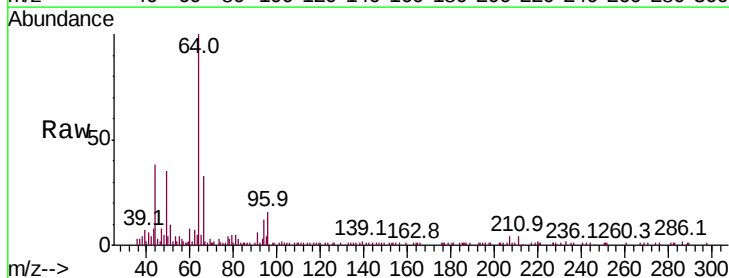
Acq: 28 May 2019 14:28

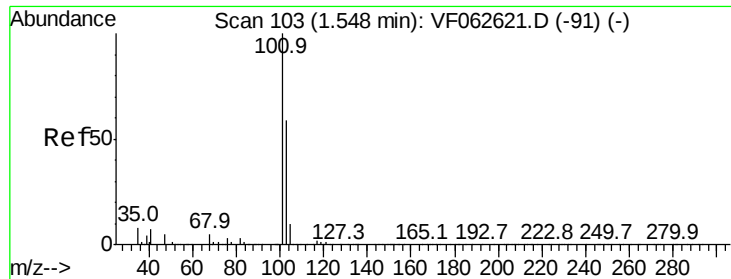
Tgt Ion: 64 Resp: 63579

Ion Ratio Lower Upper

64 100

66 35.1 23.4 35.2





#7

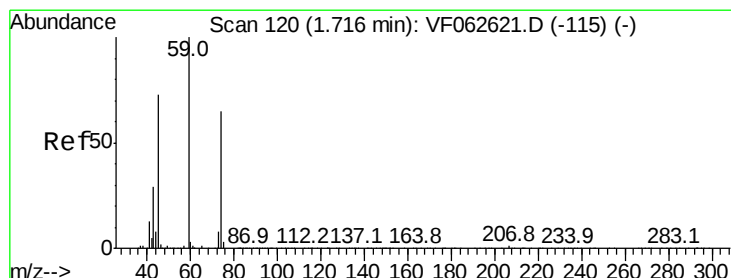
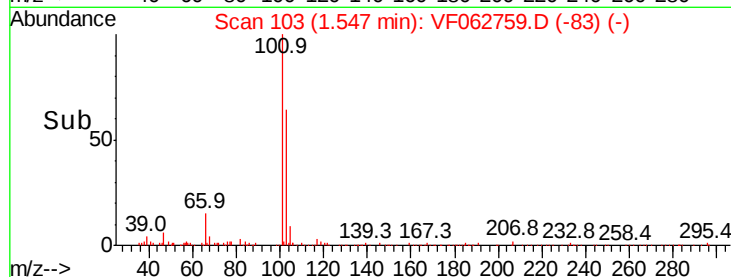
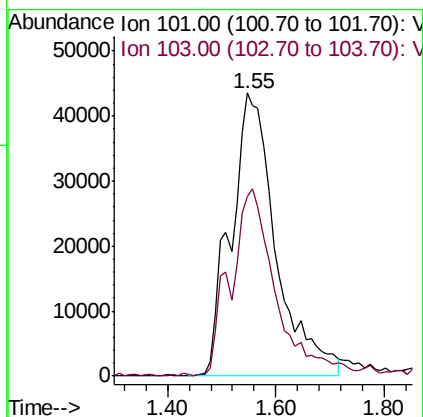
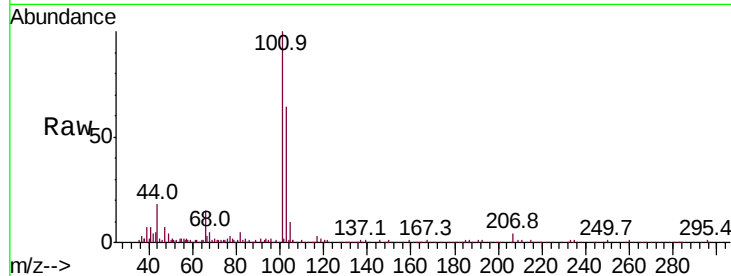
Trichlorofluoromethane
Concen: 20.224 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

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ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	47.3	70.9

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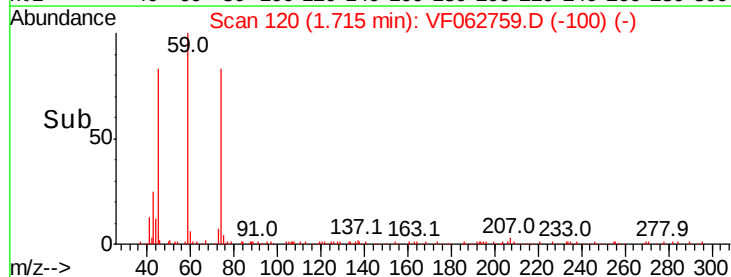
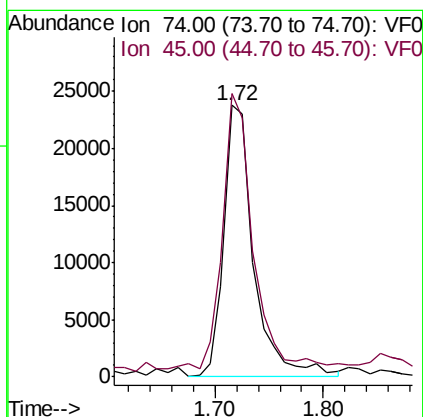
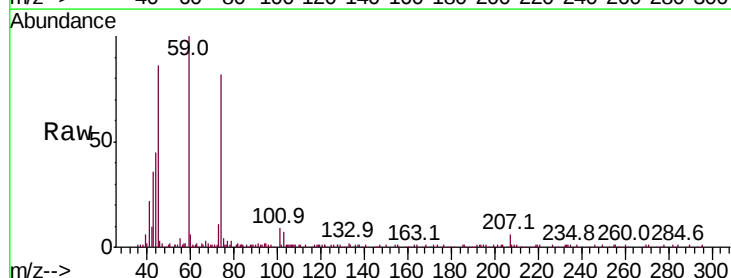
MMDadoda
5/29/2019 11:02:12 AM

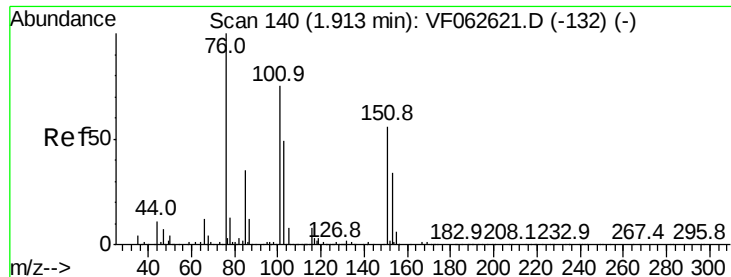


#8

Diethyl Ether
Concen: 18.569 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.680 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

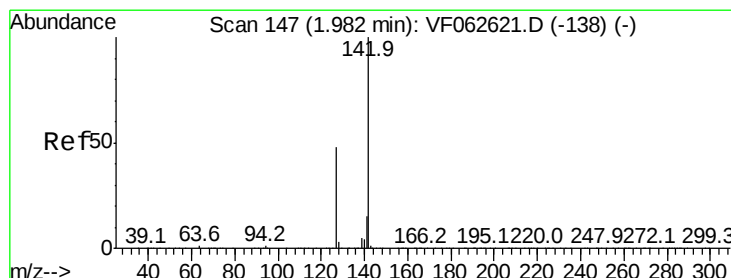
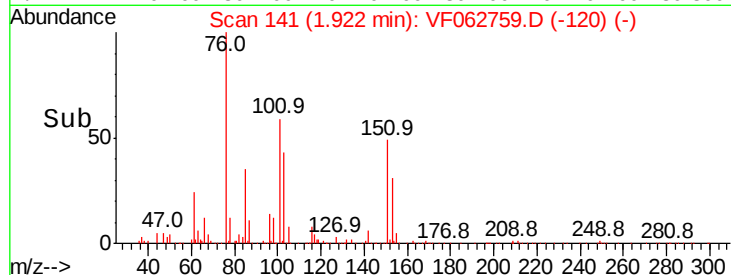
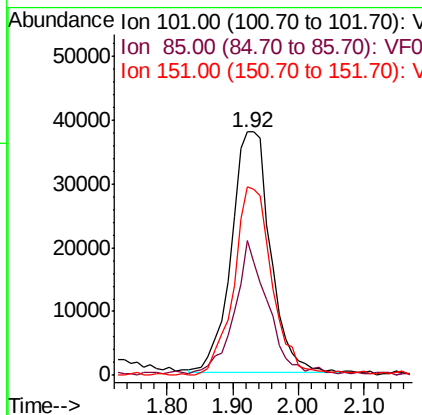
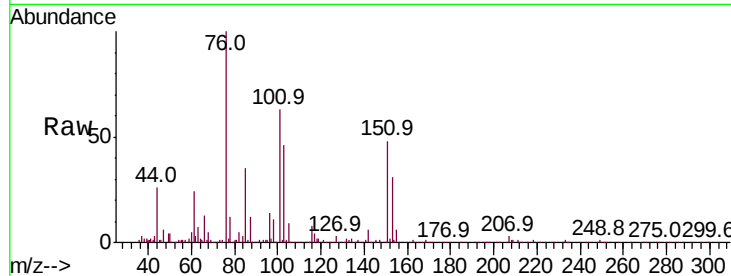
ClientSampleId :

VF0528SBS02

Tot Ion:	101	Resp:	157390
Ion Ratio	Lower	Upper	
101	100		
85	55.3	37.1	55.7
151	77.4	58.8	88.2

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#10

Methyl Iodide

Concen: 19.678 ug/l m

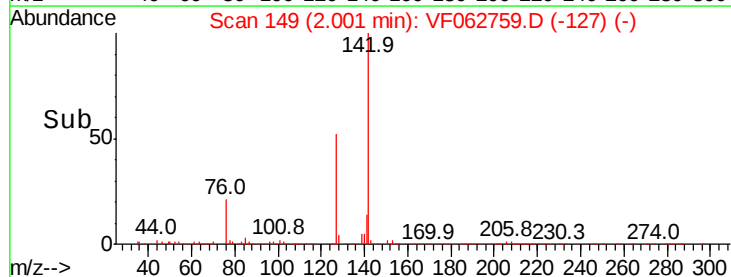
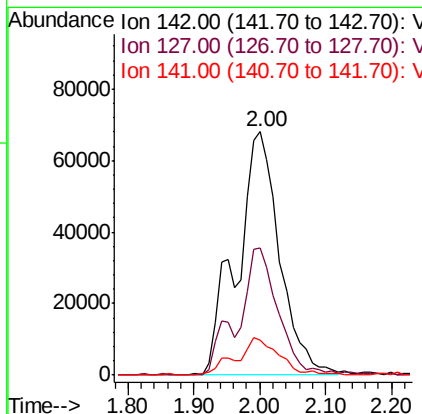
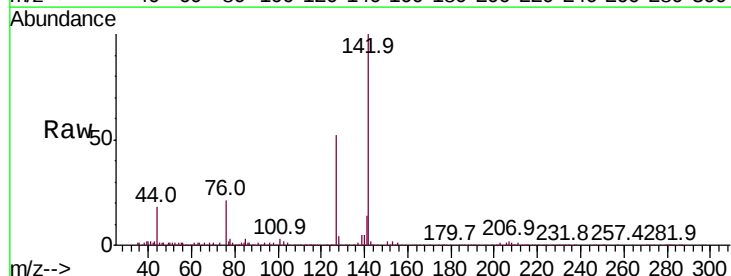
RT: 2.00 min Scan# 149

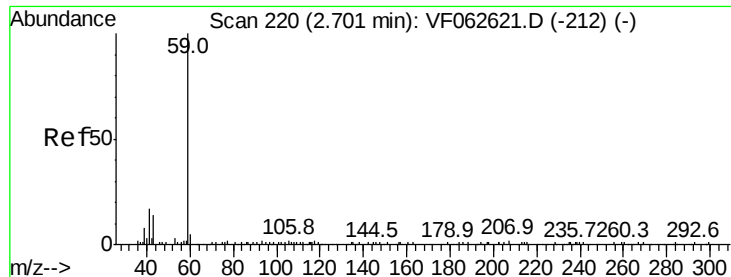
Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	142	Resp:	309145
Ion Ratio	Lower	Upper	
142	100		
127	52.0	38.1	57.1
141	14.3	11.7	17.5





#11

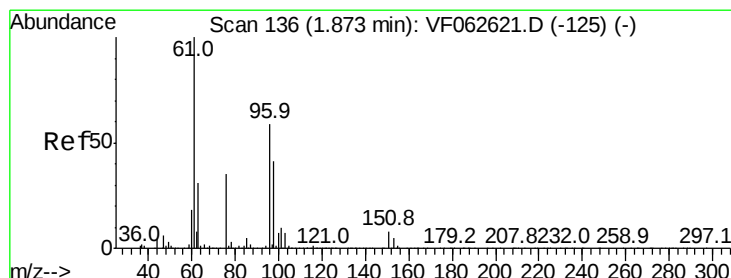
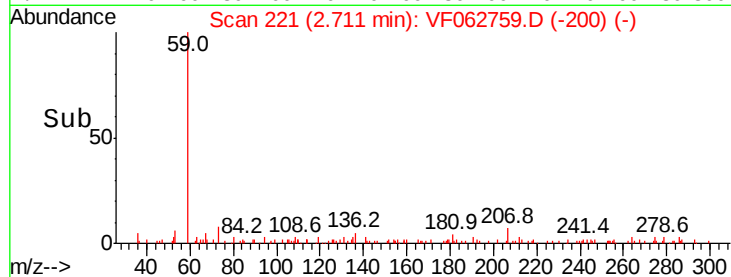
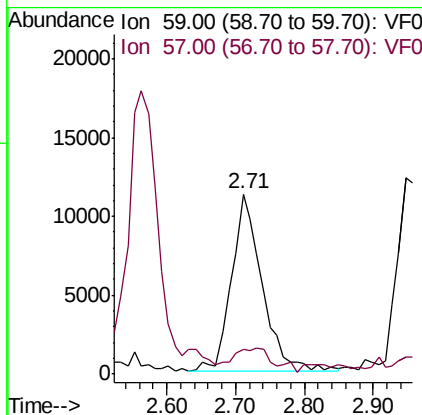
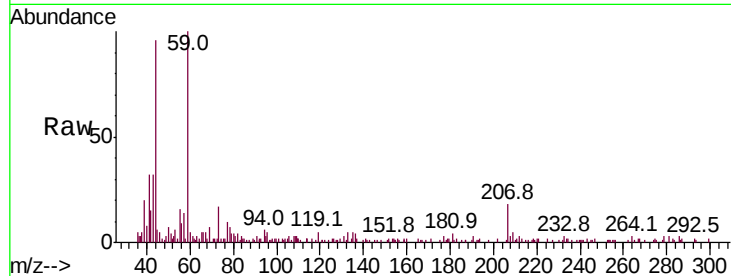
Tert butyl alcohol
 Concen: 90.048 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.8	9.3	13.9

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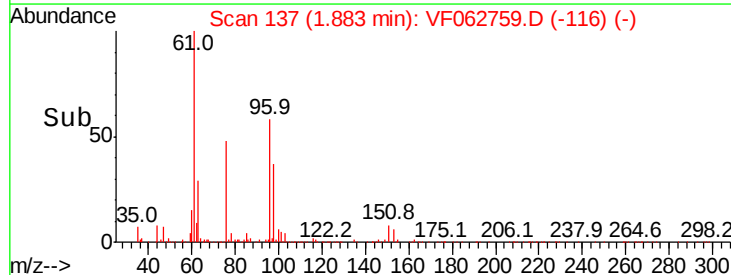
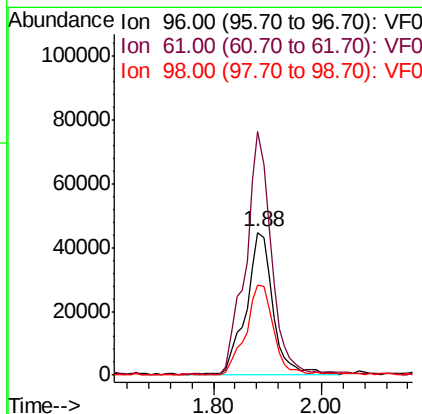
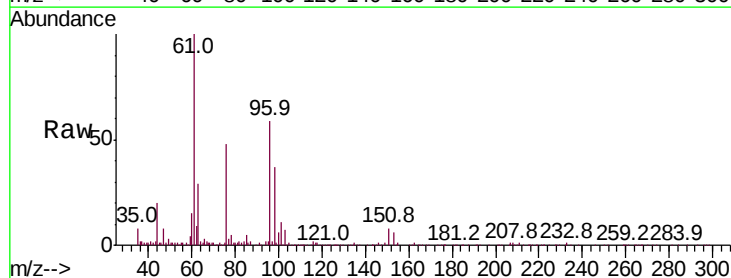
MMDadoda
 5/29/2019 11:02:12 AM

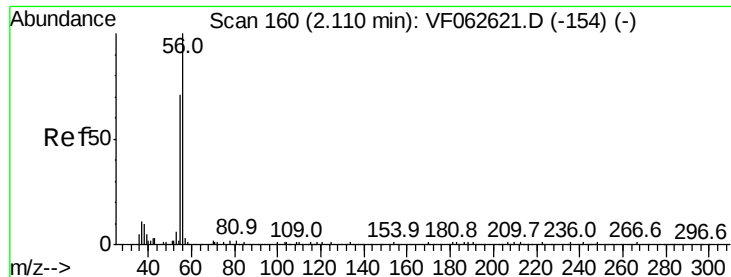


#12

1,1-Dichloroethene
 Concen: 20.800 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	134.3	201.5
98	62.7	55.0	82.6





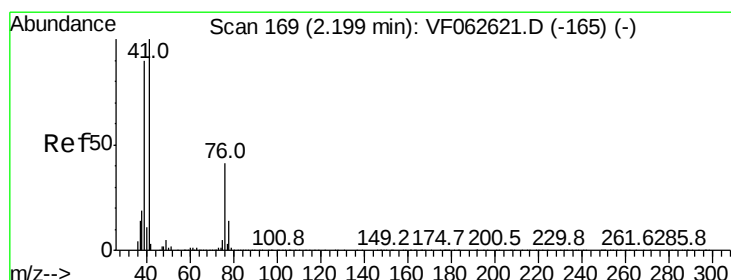
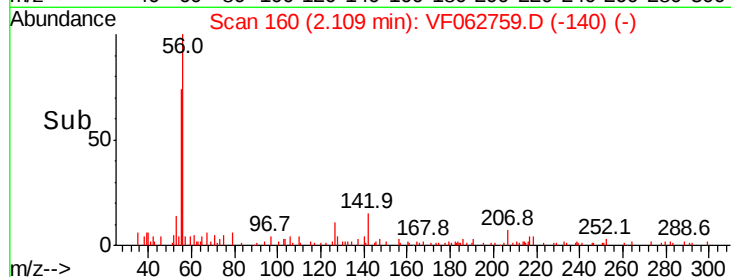
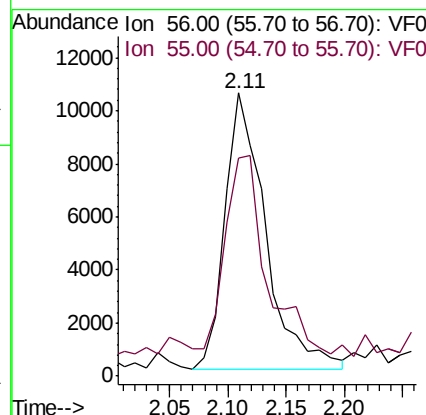
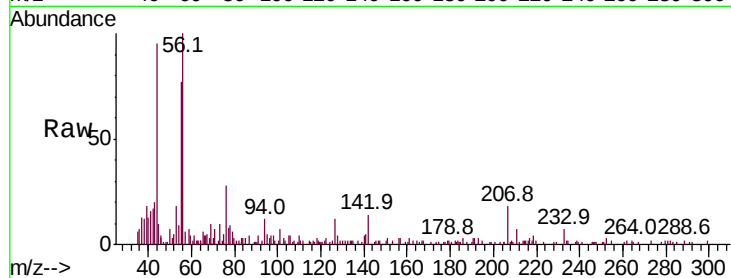
#13
Acrolein
Concen: 64.327 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	56	Resp	25405
Ion Ratio	100	Lower	Upper
55	76.9	59.4	89.0

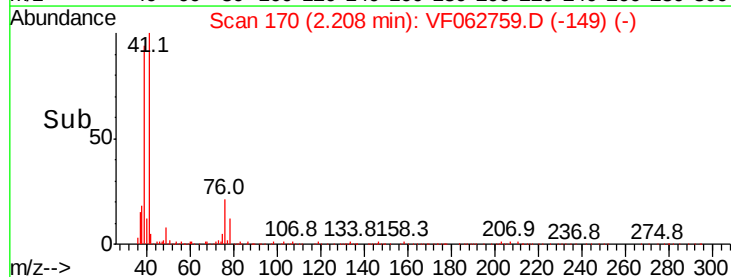
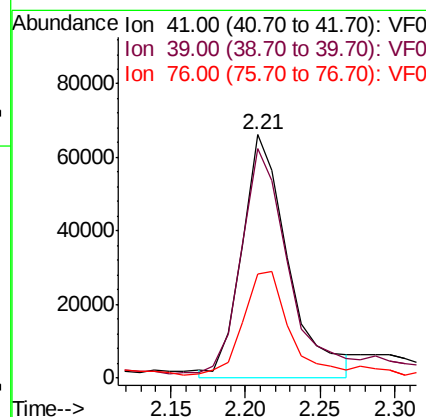
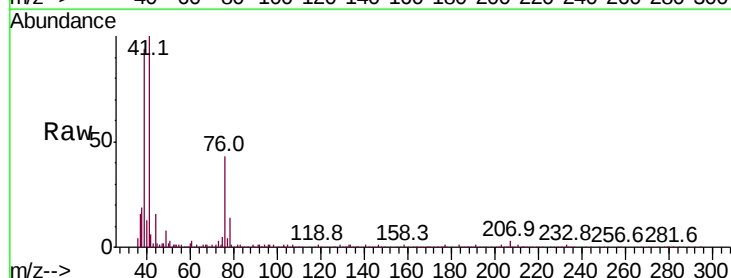
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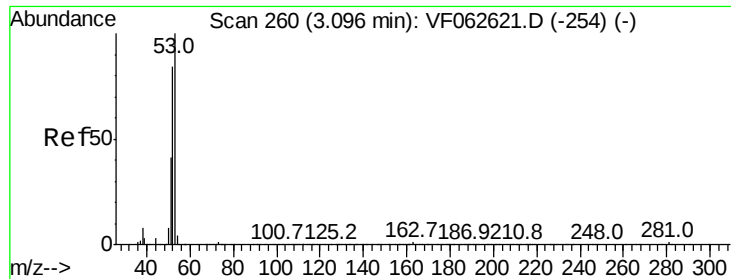
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#14
Allyl chloride
Concen: 21.753 ug/l m
RT: 2.21 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	41	Resp	143425
Ion Ratio	100	Lower	Upper
39	94.4	72.0	108.0
76	42.9	34.8	52.2





#15

Acrylonitrile

Concen: 152.958 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

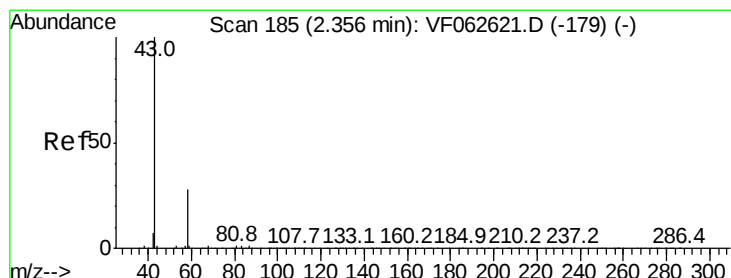
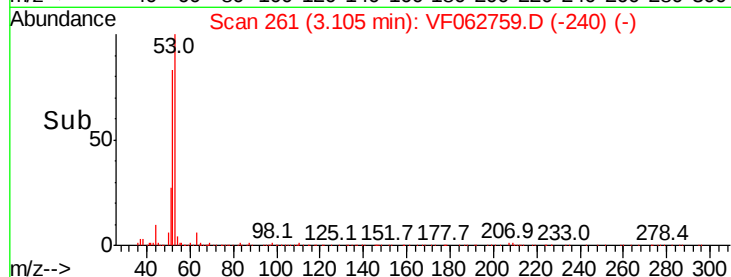
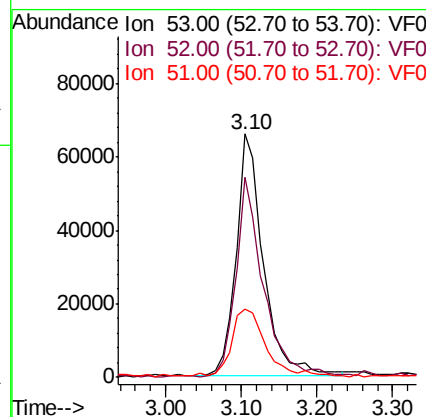
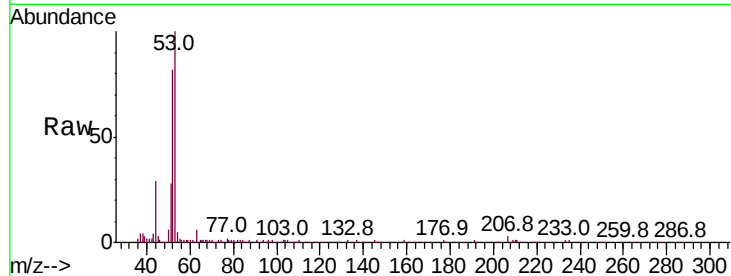
ClientSampleId :

VF0528SBS02

Tot Ion:	53	Resp:	163243
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.3	100.9
51	28.3	33.0	49.6#

Manual Integrations
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#16

Acetone

Concen: 85.673 ug/l

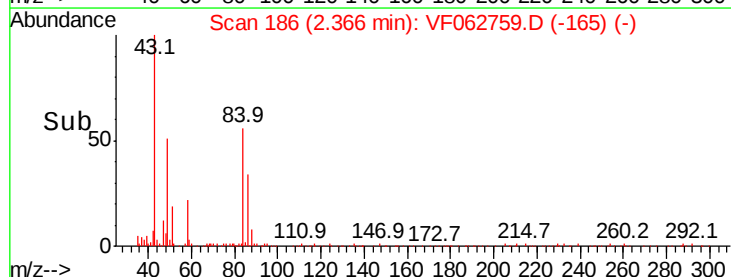
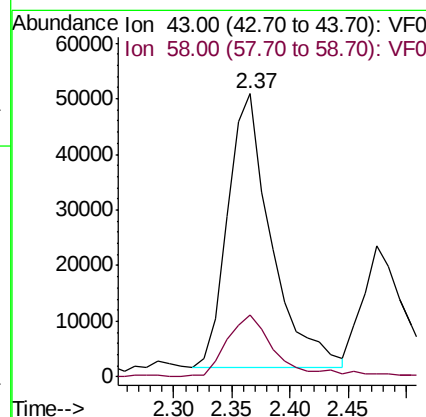
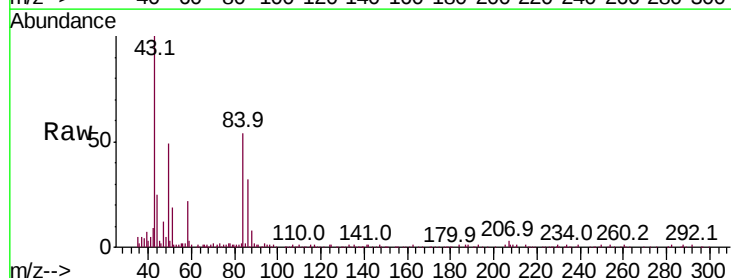
RT: 2.37 min Scan# 186

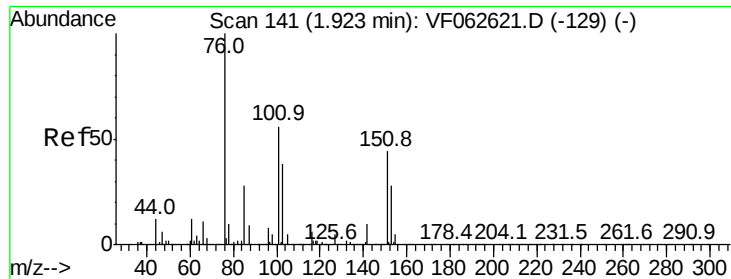
Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	43	Resp:	127372
Ion	Ratio	Lower	Upper
43	100		
58	21.7	22.6	33.8#





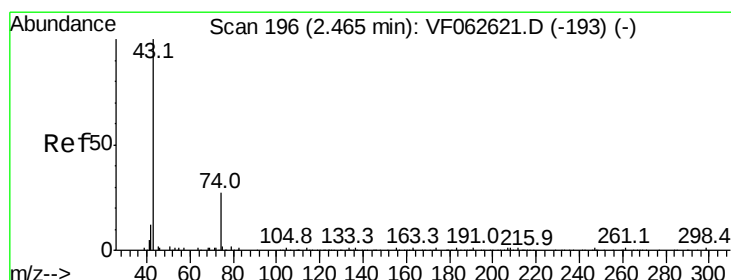
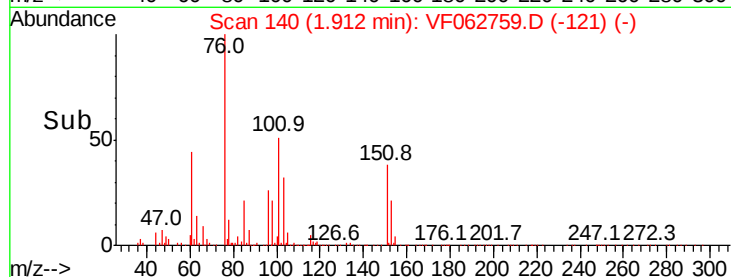
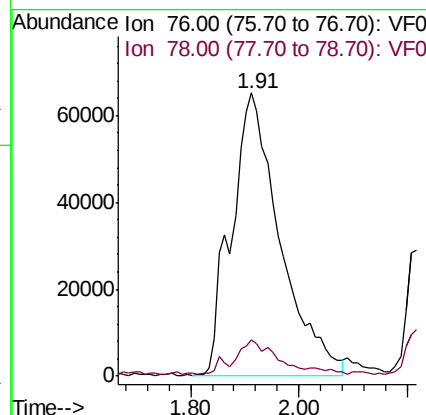
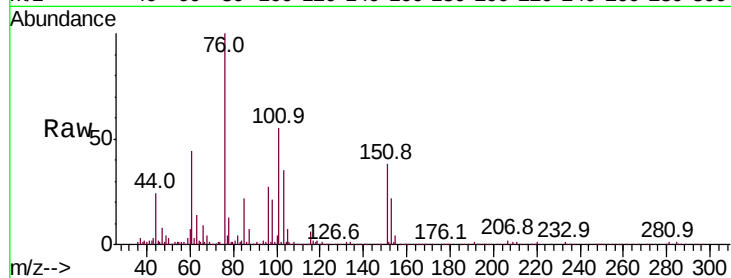
#17
Carbon Disulfide
Concen: 18.878 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion: 76 Resp: 407623
Ion Ratio Lower Upper
76 100
78 12.9 8.4 12.6#

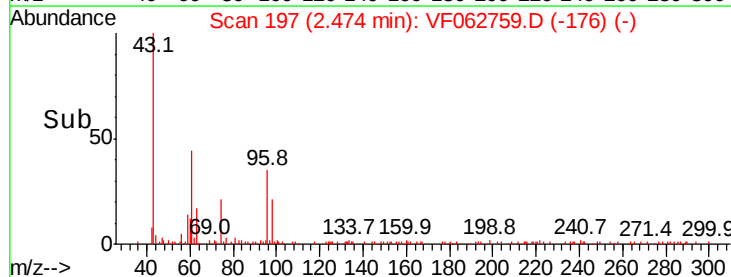
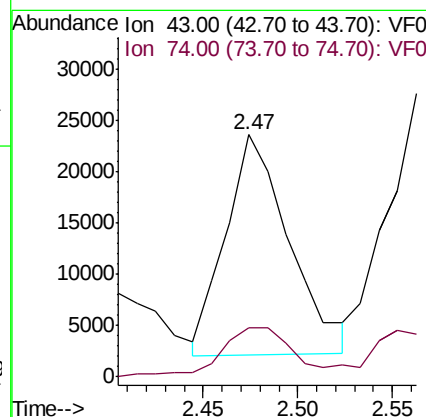
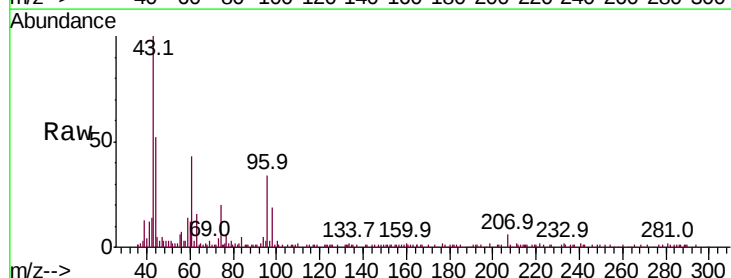
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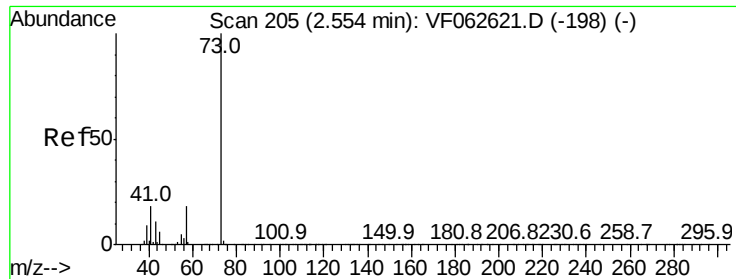
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#18
Methyl Acetate
Concen: 21.403 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 43 Resp: 50004
Ion Ratio Lower Upper
43 100
74 20.2 18.9 28.3





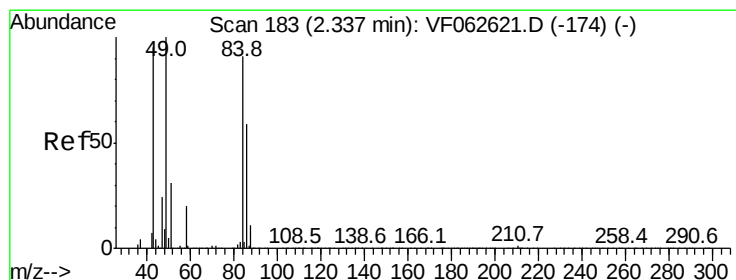
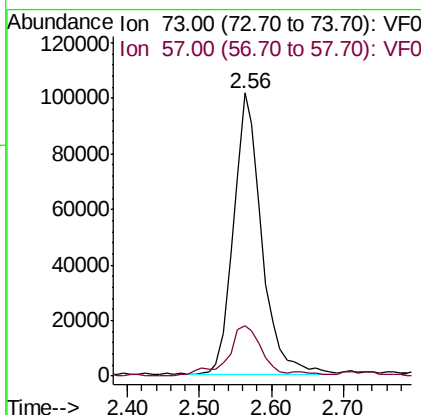
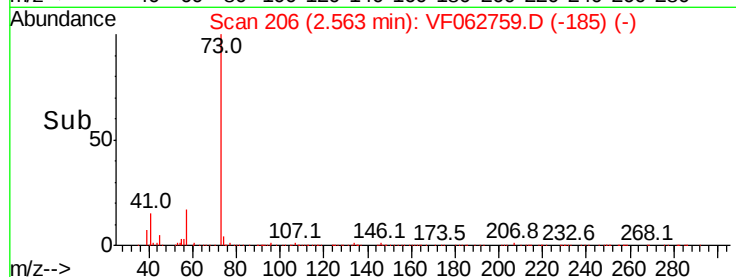
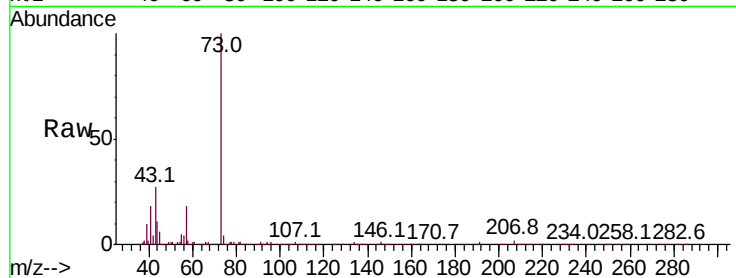
#19
Methyl tert-butyl Ether
Concen: 21.184 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion: 73 Resp: 275883
Ion Ratio Lower Upper
73 100
57 17.6 14.2 21.4

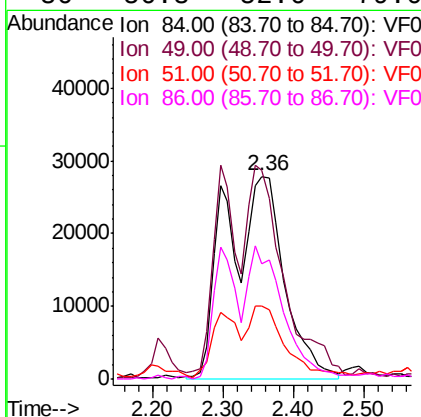
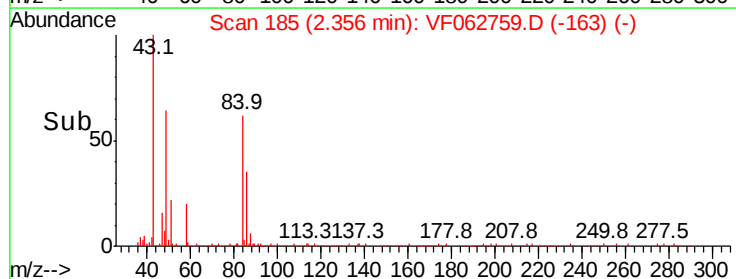
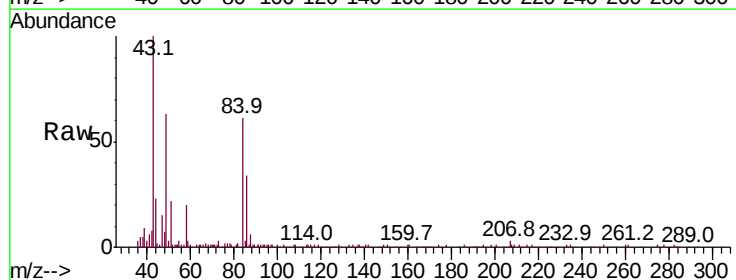
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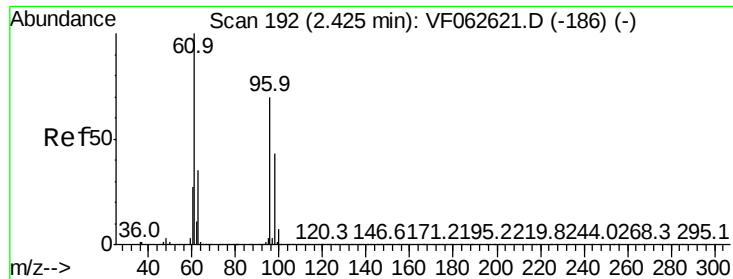
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#20
Methylene Chloride
Concen: 21.510 ug/l m
RT: 2.36 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion: 84 Resp: 160298
Ion Ratio Lower Upper
84 100
49 103.1 89.8 134.8
51 36.2 28.4 42.6
86 56.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.269 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

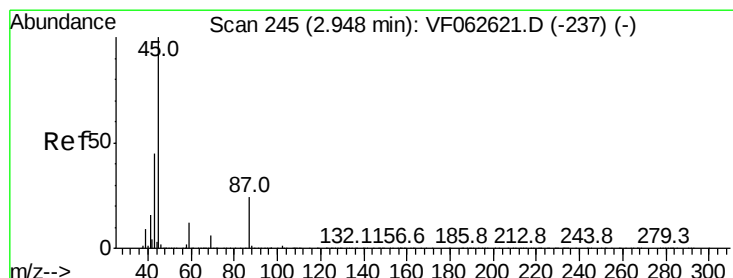
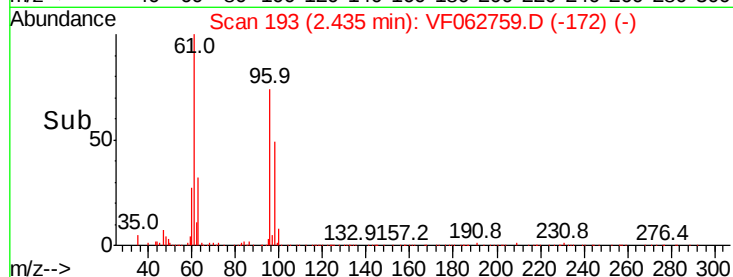
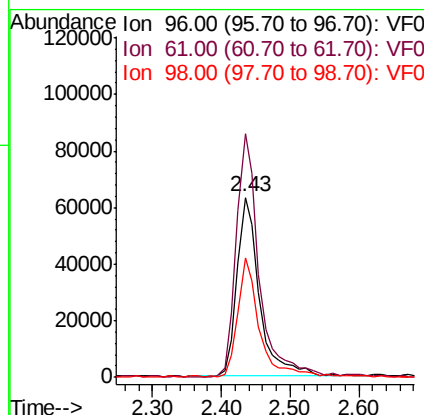
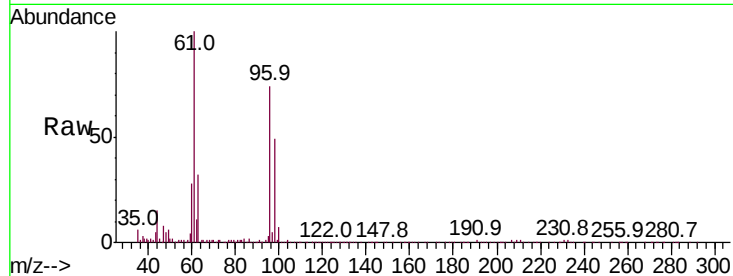
ClientSampleId :

VF0528SBS02

Tot Ion:	96	Resp:	144328
Ion	Ratio	Lower	Upper
96	100		
61	135.5	114.6	171.8
98	66.2	49.5	74.3

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#22

Diisopropyl ether

Concen: 19.749 ug/l

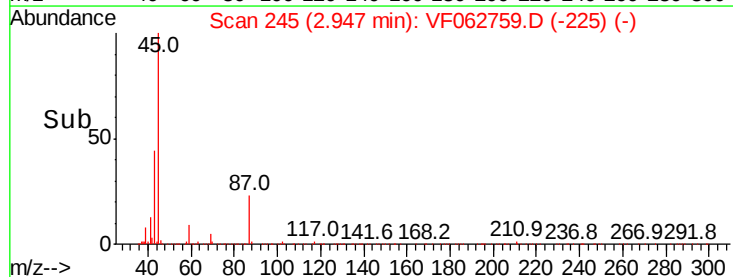
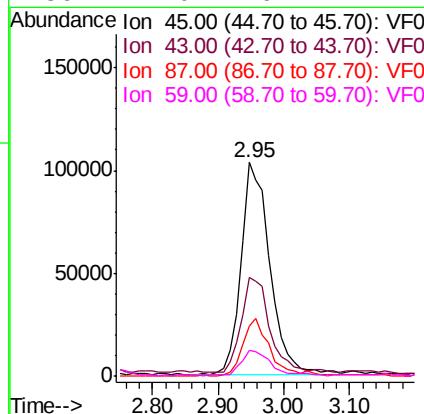
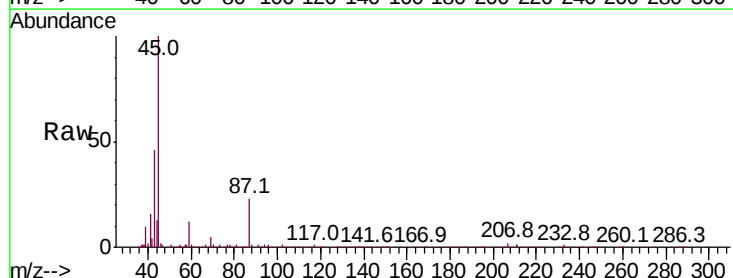
RT: 2.95 min Scan# 245

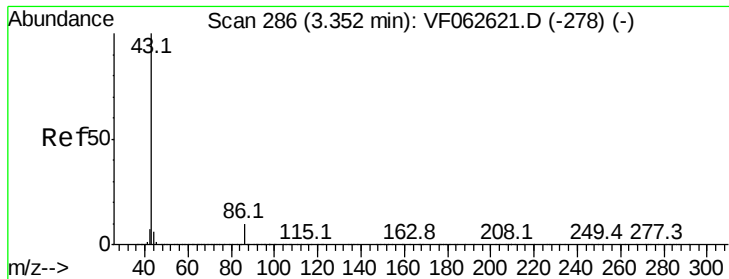
Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	45	Resp:	321162
Ion	Ratio	Lower	Upper
45	100		
43	46.4	36.4	54.6
87	23.1	19.3	28.9
59	12.0	9.4	14.2





#23

Vinyl Acetate

Concen: 102.338 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 43 Resp: 1122634

Ion Ratio Lower Upper

43 100

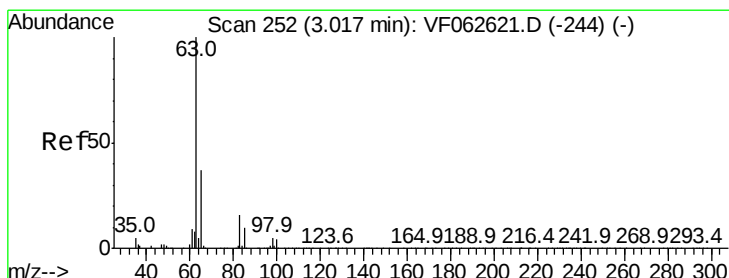
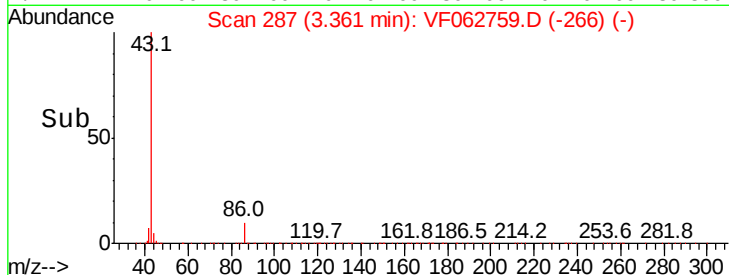
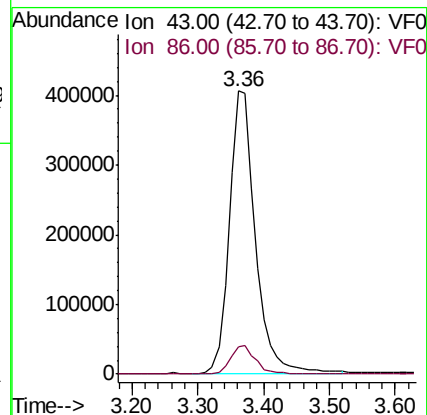
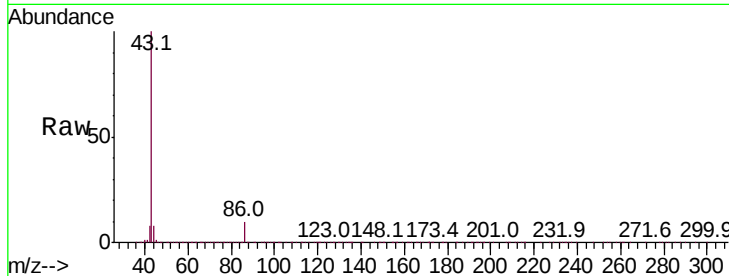
86 9.7 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 21.141 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

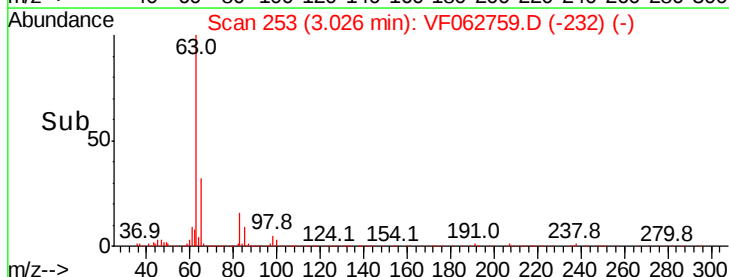
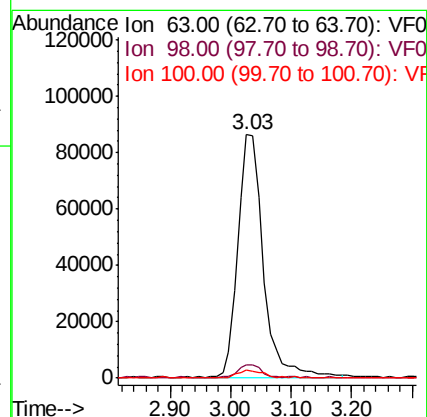
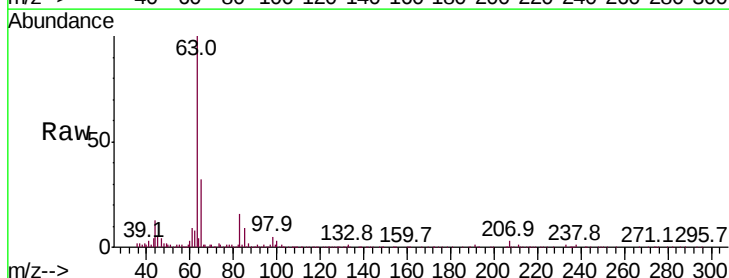
Tgt Ion: 63 Resp: 252208

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.3 1.9 5.7





#25

2-Butanone

Concen: 97.929 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 43 Resp: 311060

Ion Ratio Lower Upper

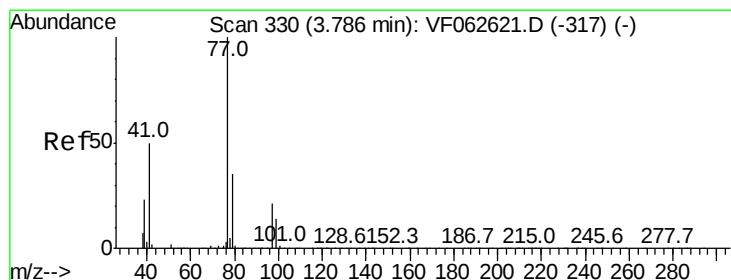
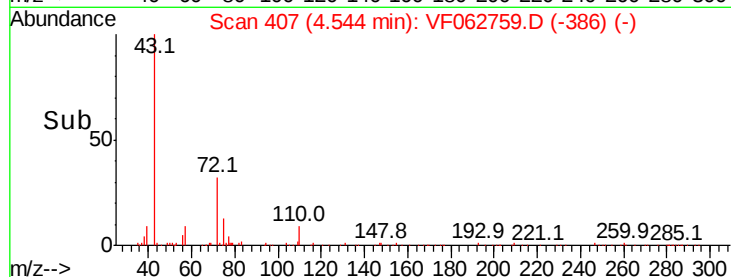
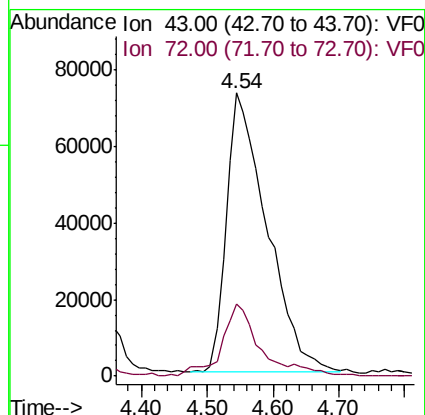
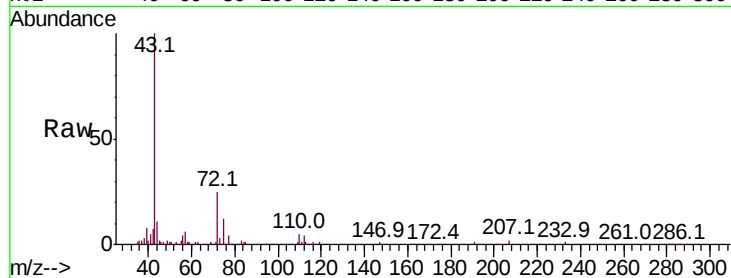
43 100

72 25.4 20.1 30.1

Manual Integrations
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MMDadoda

5/29/2019 11:02:12 AM



#26

2,2-Dichloropropane

Concen: 22.930 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062759.D

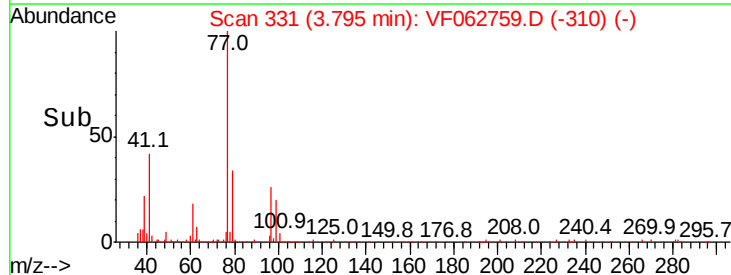
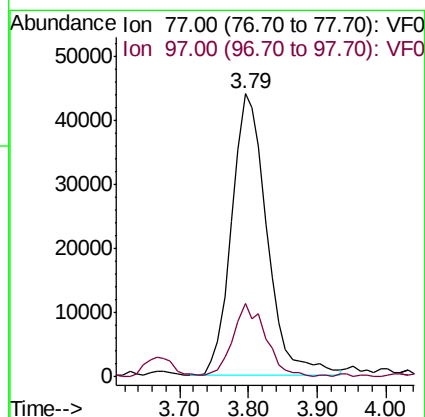
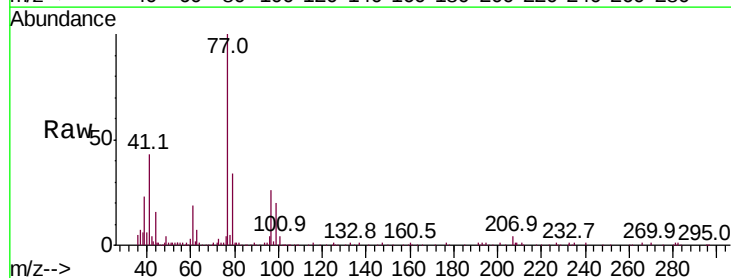
Acq: 28 May 2019 14:28

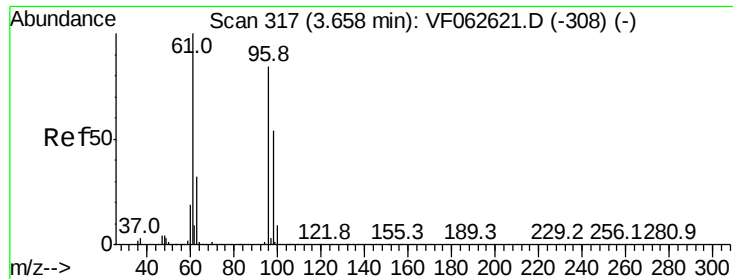
Tgt Ion: 77 Resp: 156514

Ion Ratio Lower Upper

77 100

97 26.0 14.1 42.4





#27

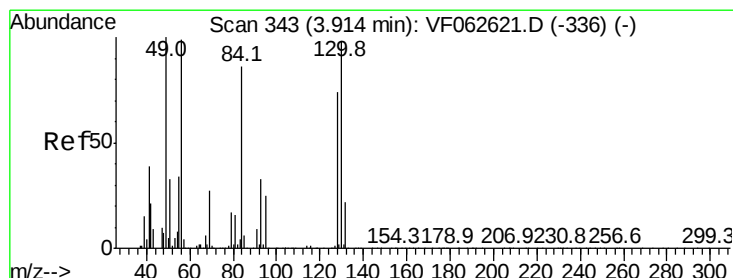
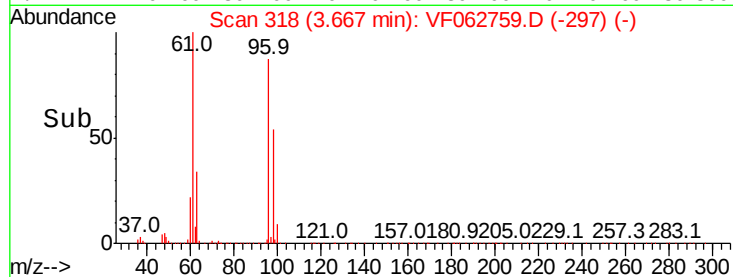
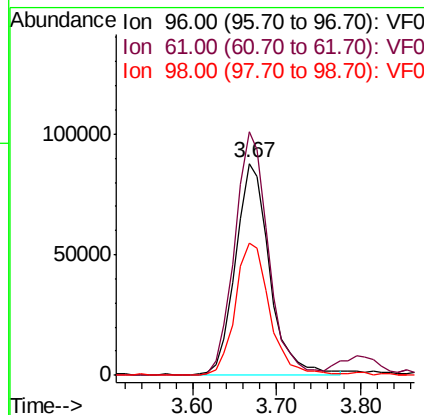
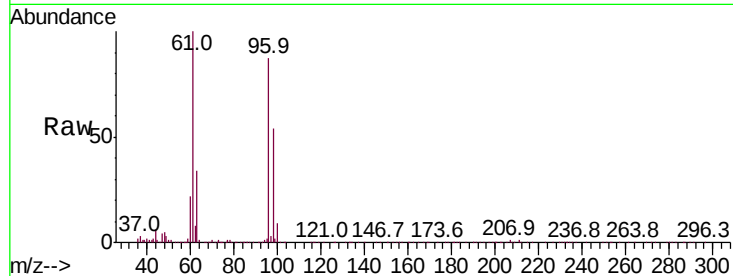
cis-1,2-Dichloroethene
Concen: 21.353 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	250104		
61	114.9	0.0	237.4	
98	62.5	0.0	129.0	

Manual Integrations
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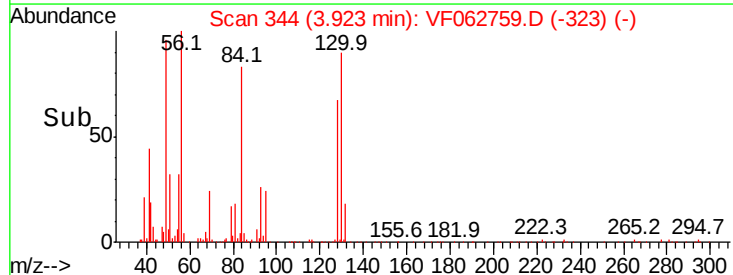
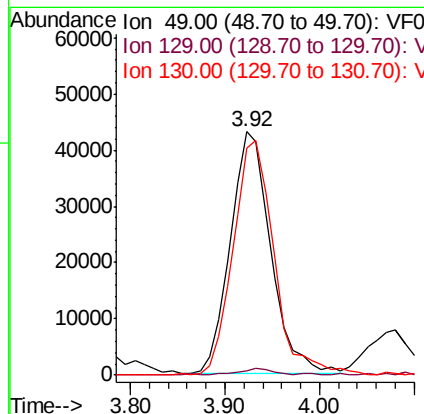
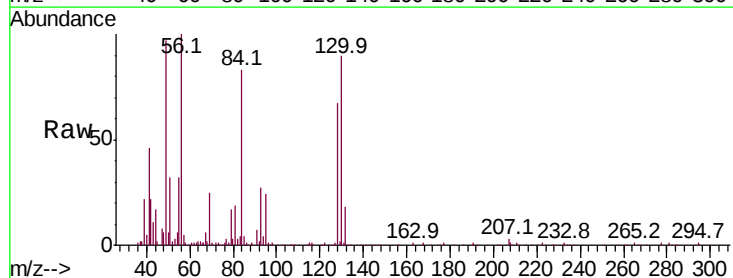
MMDadoda
5/29/2019 11:02:12 AM

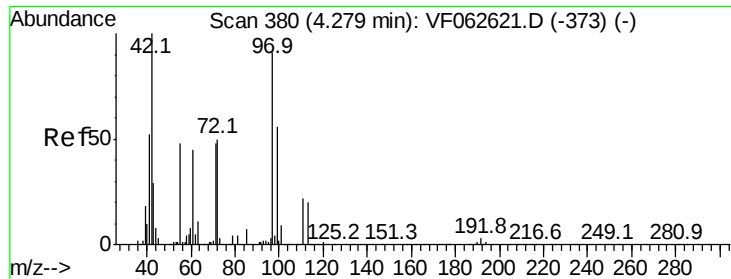


#28

Bromochloromethane
Concen: 18.976 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	126965		
129	1.9	0.0	4.0	
130	93.3	77.8	116.8	





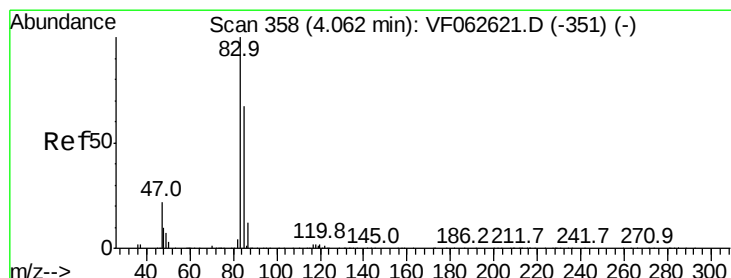
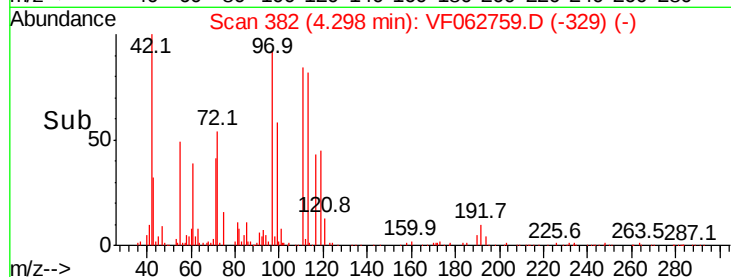
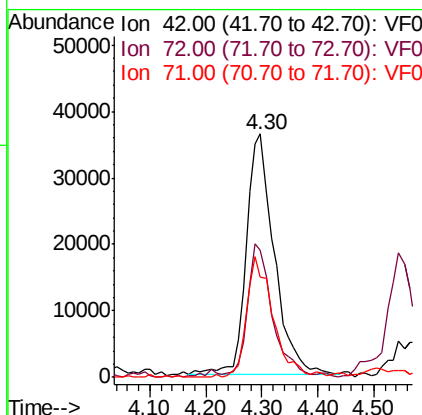
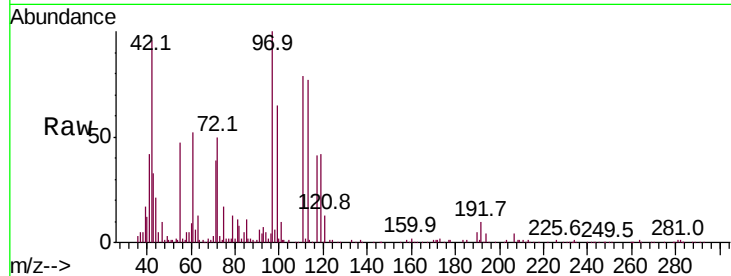
#29
Tetrahydrofuran
Concen: 96.621 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
42	100	124194		
72	49.9	38.2	57.2	
71	47.2	35.8	53.6	

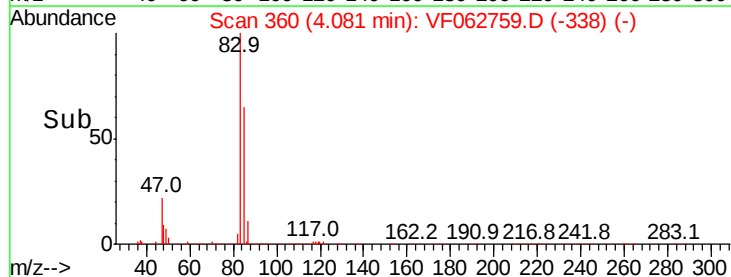
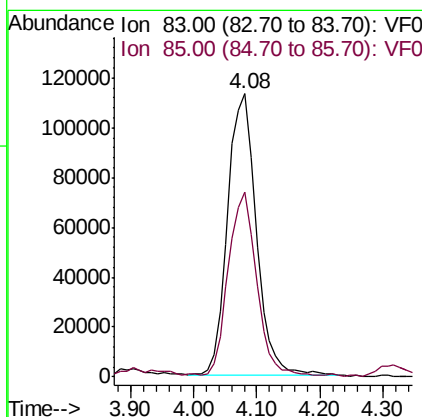
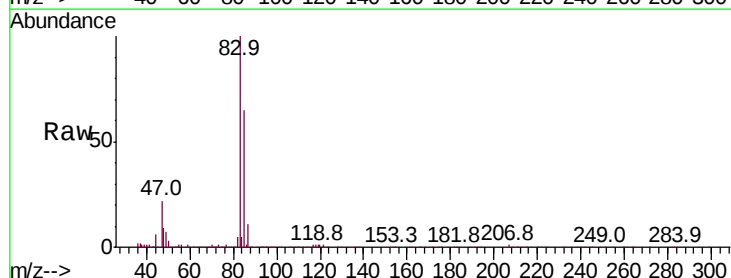
Manual Integrations
APPROVED

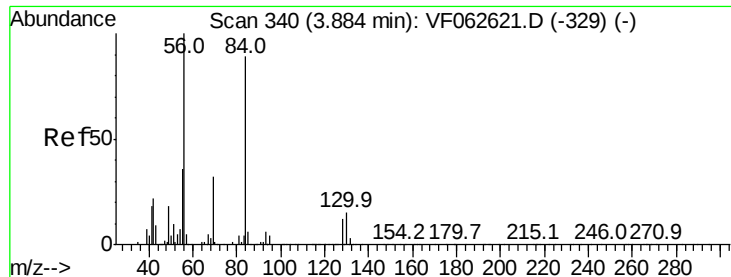
MMDadoda
5/29/2019 11:02:12 AM



#30
Chloroform
Concen: 21.414 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	354683		
85	65.3	53.6	80.4	





#31

Cyclohexane

Concen: 20.893 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

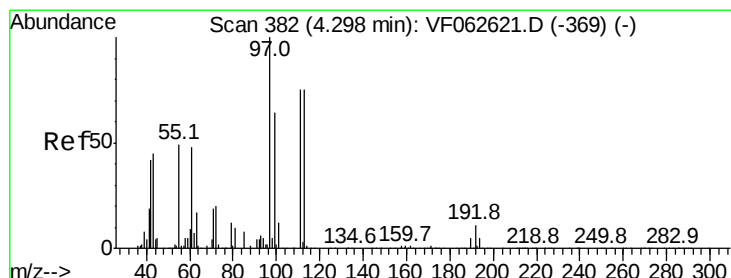
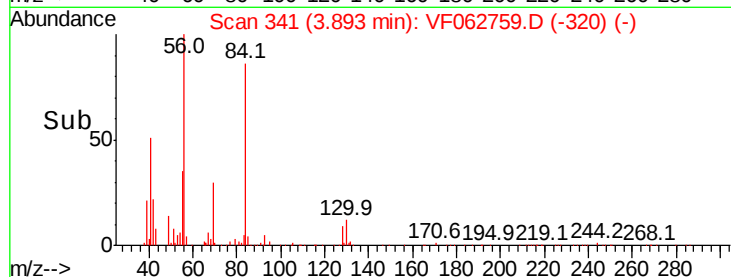
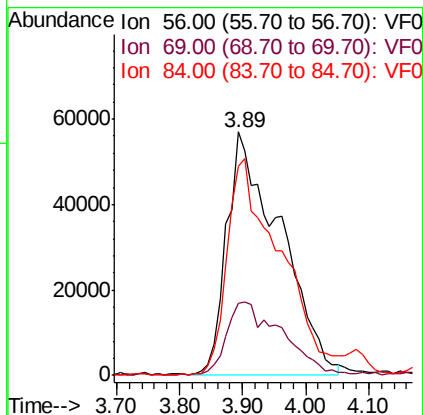
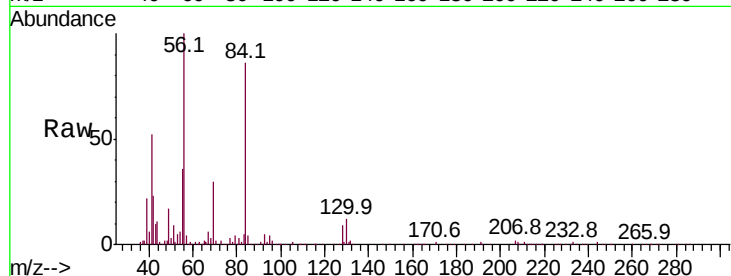
ClientSampleId :

VF0528SBS02

Tot Ion:	56	Resp:	334663
Ion Ratio	Lower	Upper	
56	100		
69	29.8	25.3	37.9
84	85.8	71.0	106.4

Manual Integrations
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5/29/2019 11:02:12 AM



#32

1,1,1-Trichloroethane

Concen: 20.919 ug/l

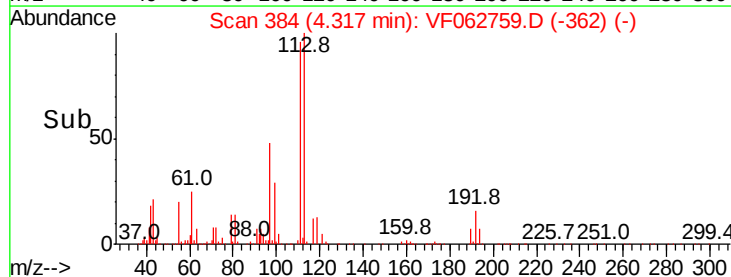
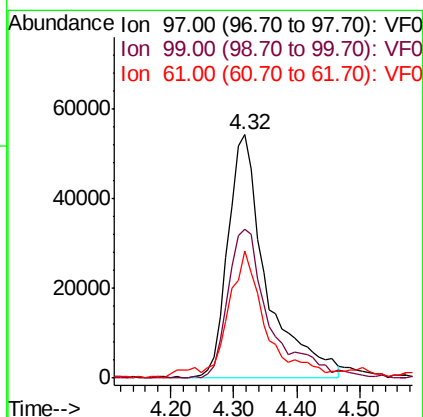
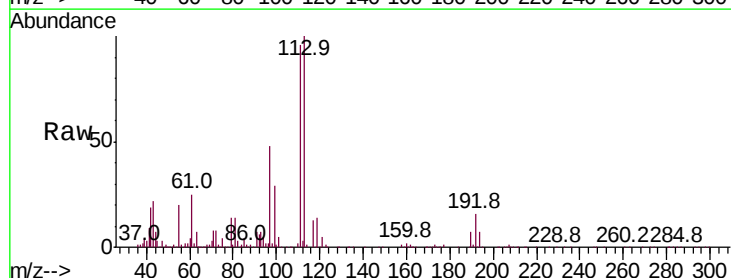
RT: 4.32 min Scan# 384

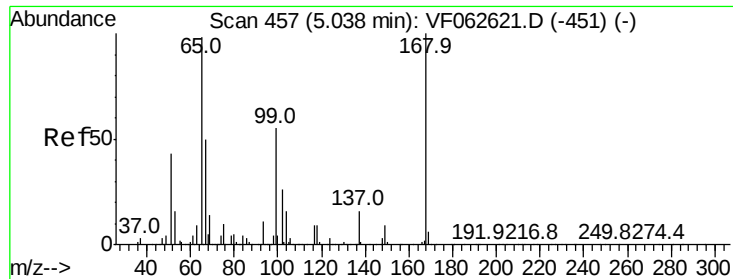
Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	97	Resp:	230114
Ion Ratio	Lower	Upper	
97	100		
99	61.1	51.3	76.9
61	52.1	38.2	57.2





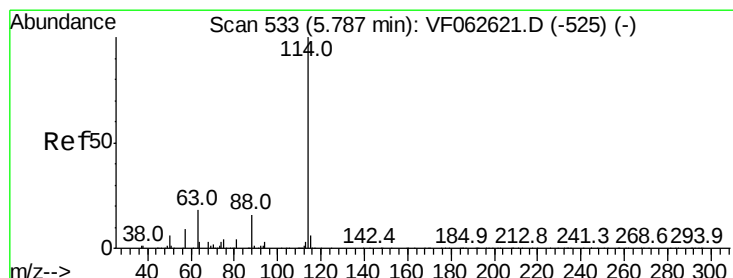
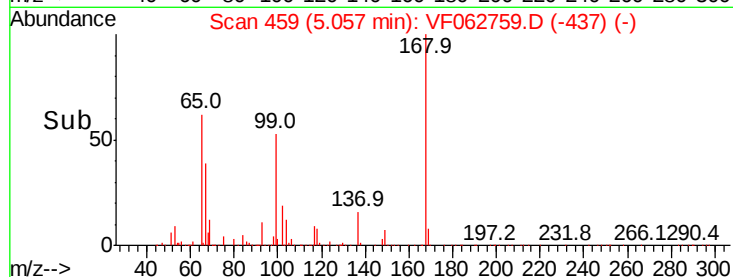
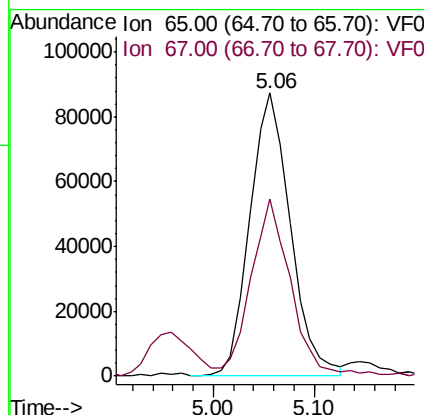
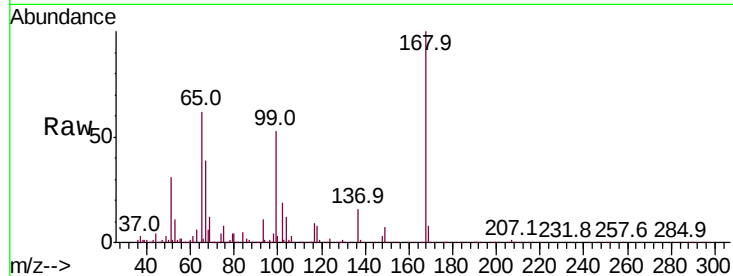
#33
 1,2-Dichloroethane-d4
 Concen: 42.257 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.02 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	242160		
67	62.7	0.0	117.6	

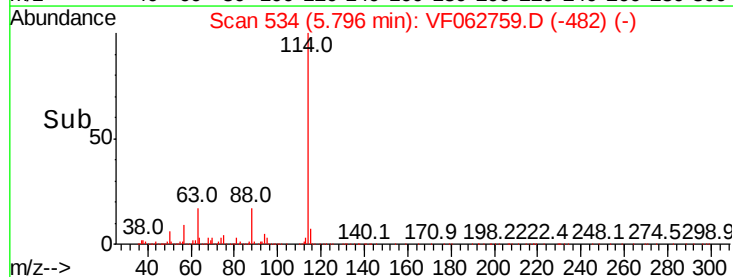
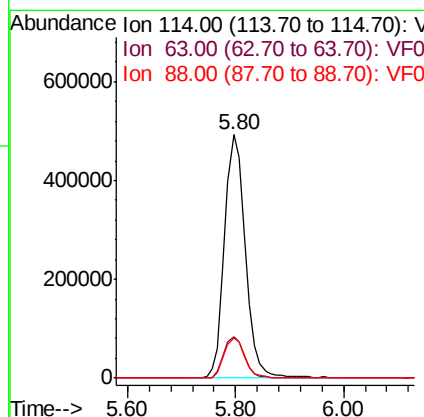
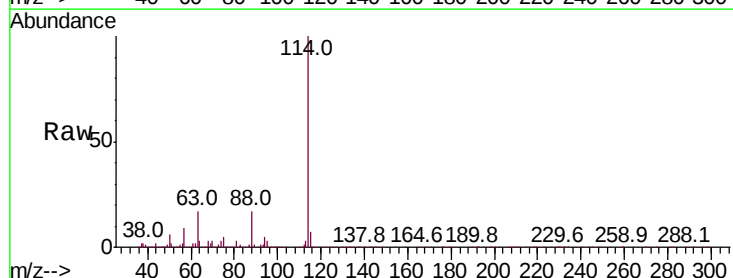
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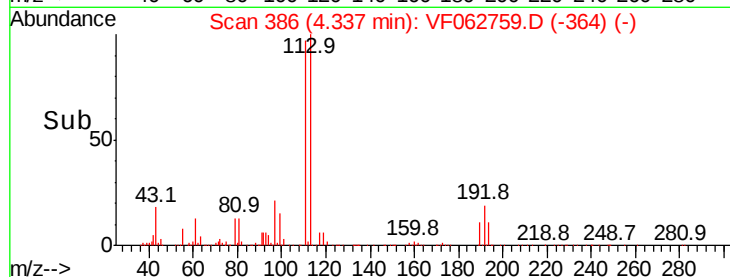
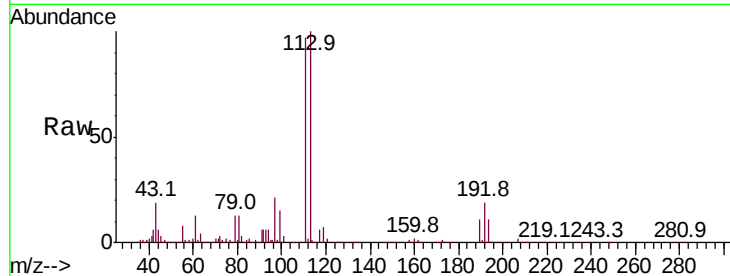
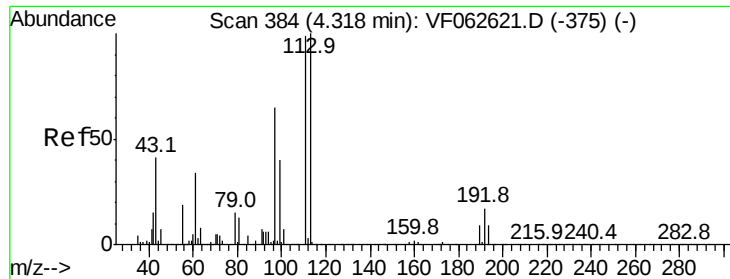
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 5/29/2019 11:02:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1325035		
63	17.0	0.0	35.4	
88	16.7	0.0	32.4	





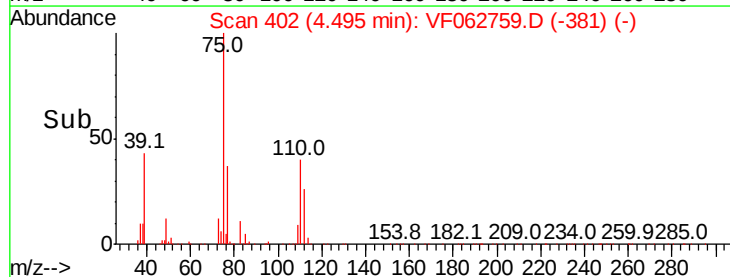
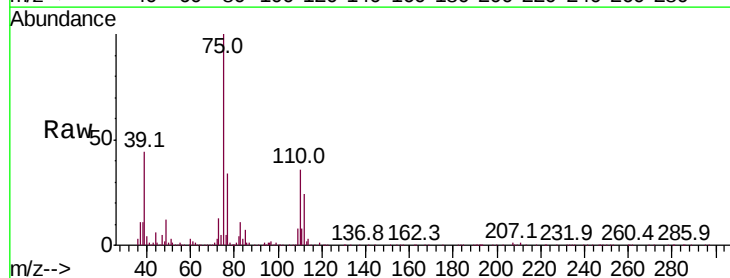
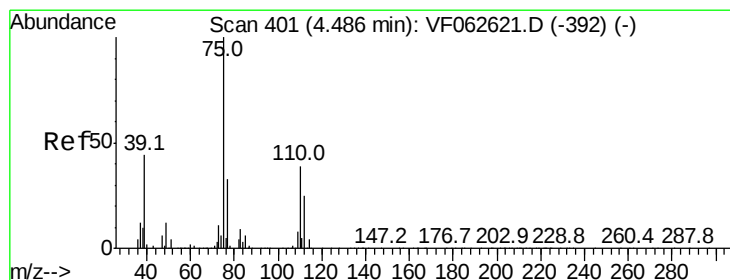
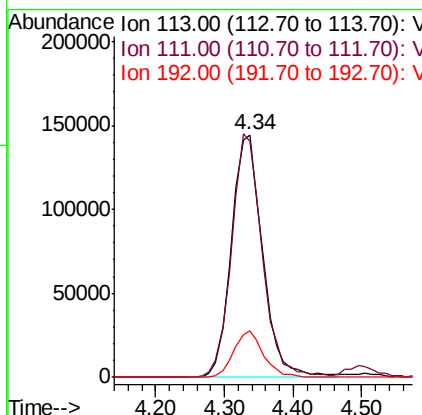
#35
Dibromofluoromethane
Concen: 44.797 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tot Ion	Ratio	Resp	Lower	Upper
113	100	454206		
111	97.5		79.4	119.2
192	19.1		13.4	20.2

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

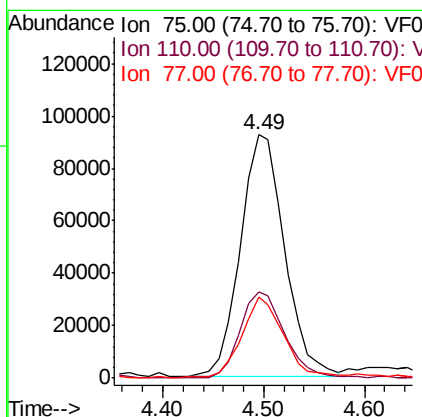
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#36
1,1-Dichloropropene
Concen: 20.598 ug/l
RT: 4.49 min Scan# 402
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	279668		
110	35.6		19.7	59.1
77	33.5		26.3	39.5





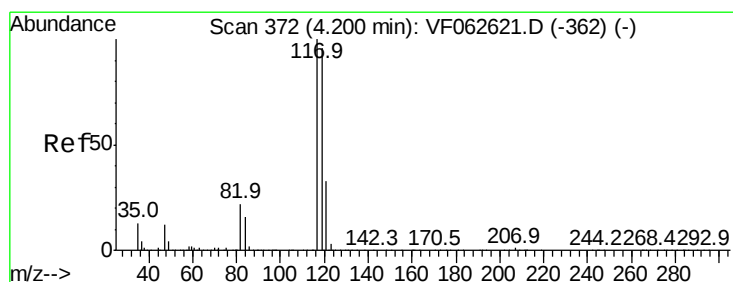
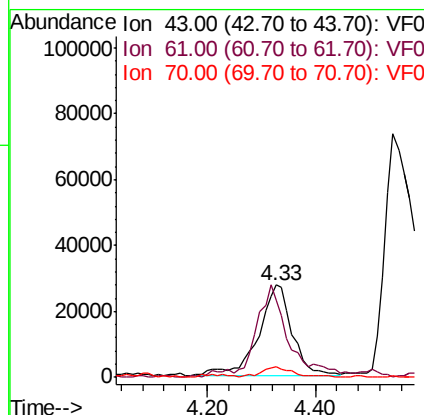
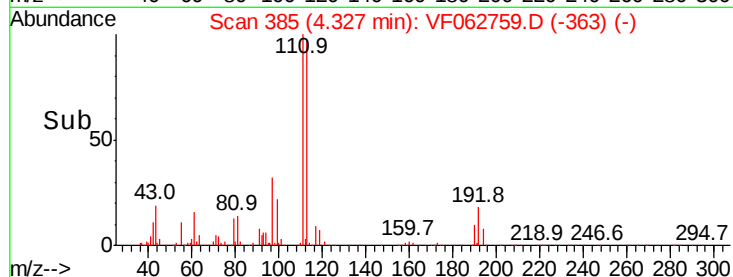
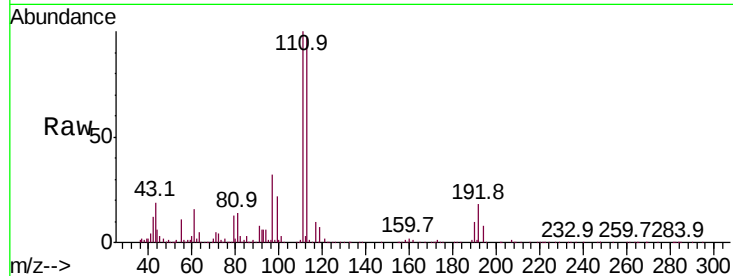
#37
Ethyl Acetate
Concen: 21.275 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	83.9	76.9	115.3
70	11.4	8.8	13.2

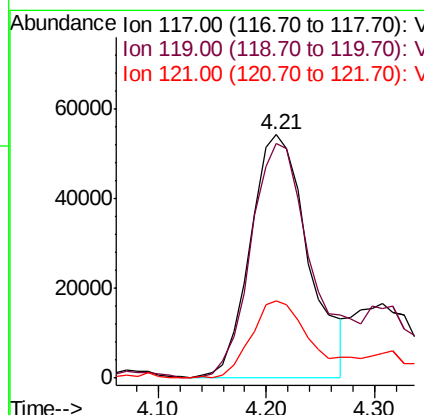
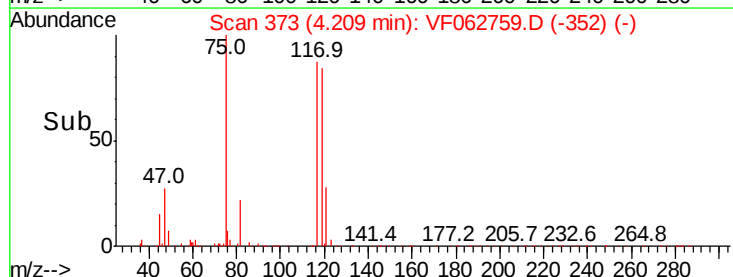
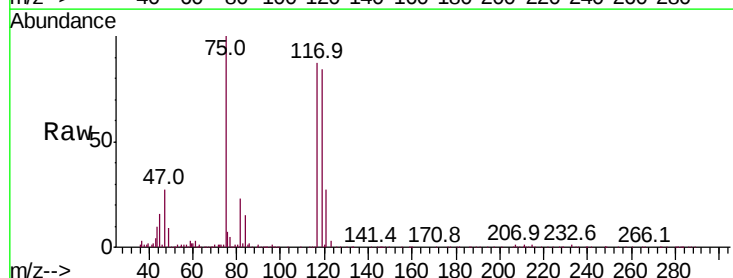
Manual Integrations
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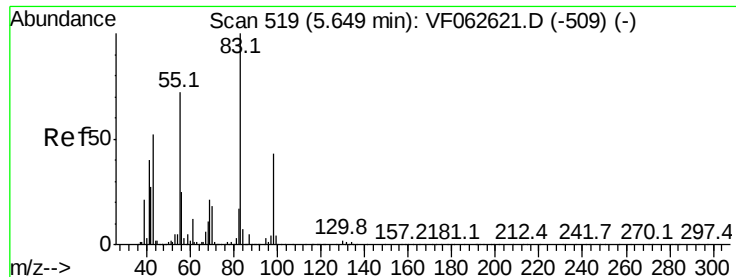
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#38
Carbon Tetrachloride
Concen: 19.813 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
121	31.6	26.6	40.0





#39

Methvlcvclohexane

Concen: 20.585 ug/l

RT: 5.66 min Scan# 520

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

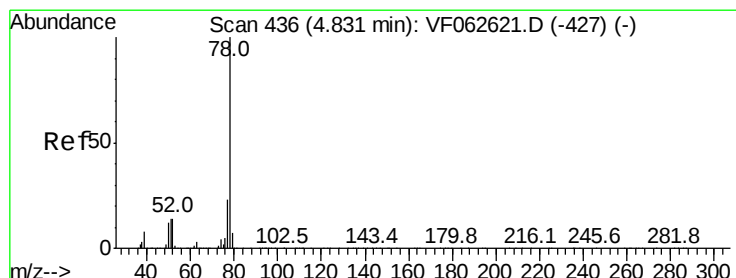
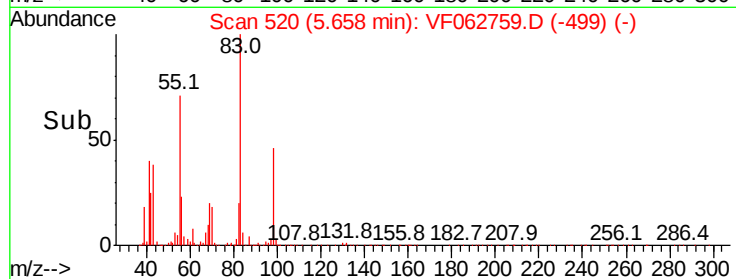
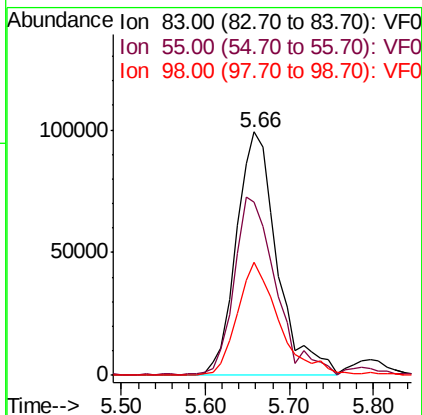
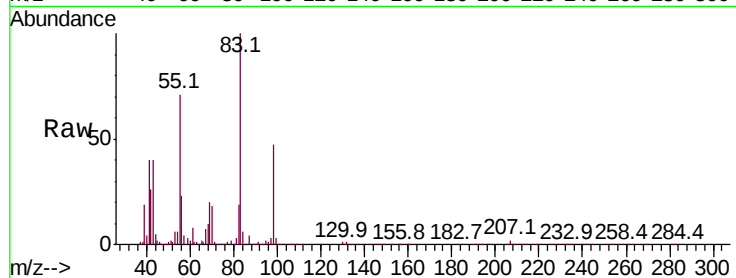
ClientSampleId :

VF0528SBS02

Tot Ion:	83	Resp:	336294
Ion Ratio	Lower	Upper	
83	100		
55	71.1	57.9	86.9
98	46.7	34.6	52.0

Manual Integrations
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#40

Benzene

Concen: 22.012 ug/l

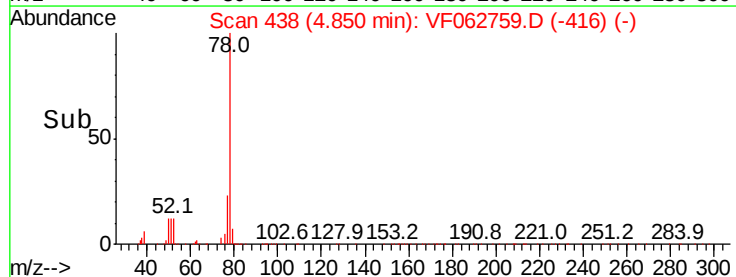
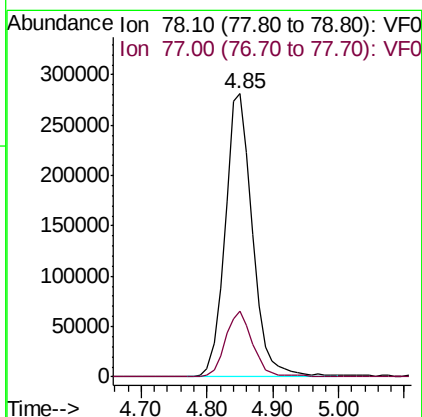
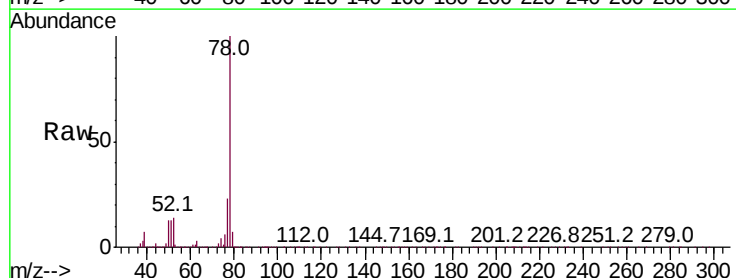
RT: 4.85 min Scan# 438

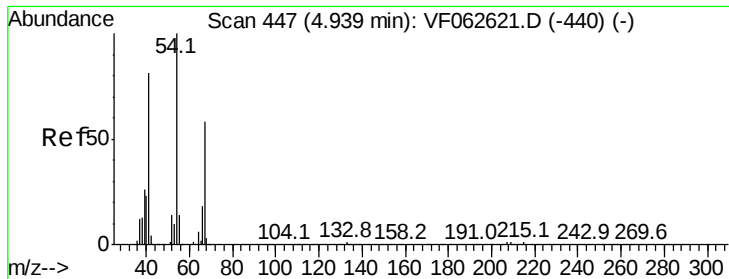
Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	78	Resp:	814200
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.2	27.2





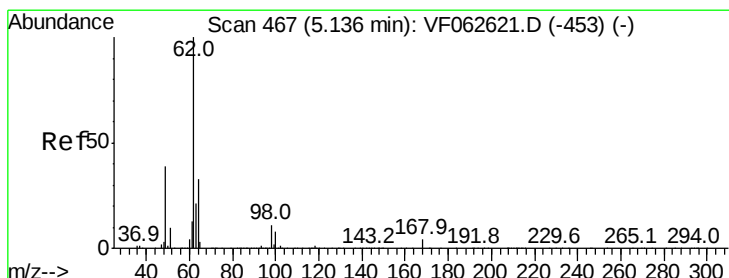
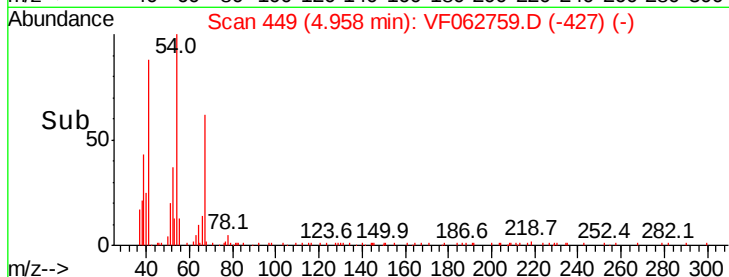
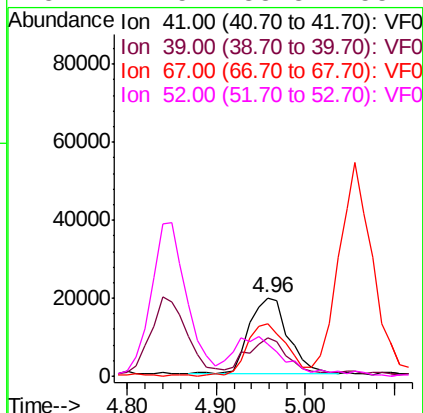
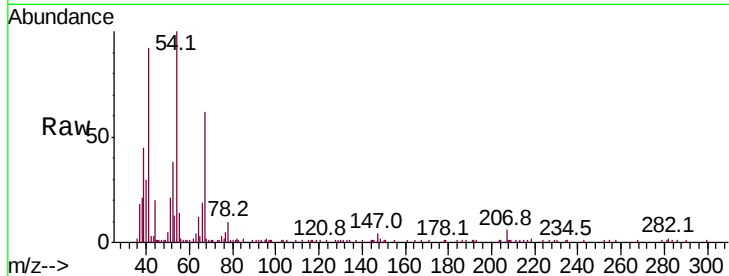
#41
Methacrylonitrile
Concen: 20.017 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.2	42.2	63.2	
67	68.0	56.4	84.6	
52	41.5	38.8	58.2	

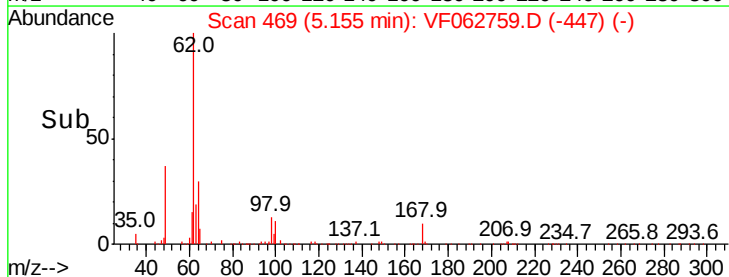
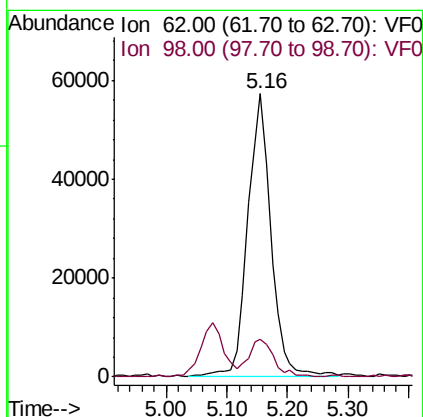
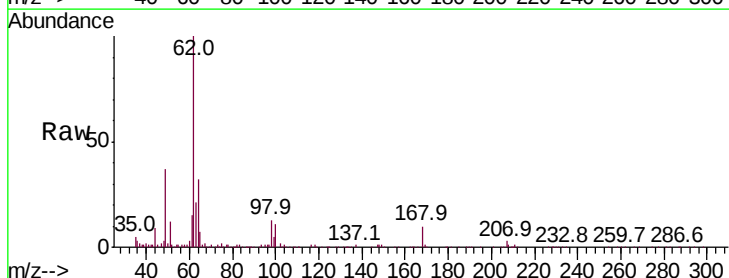
Manual Integrations
APPROVED

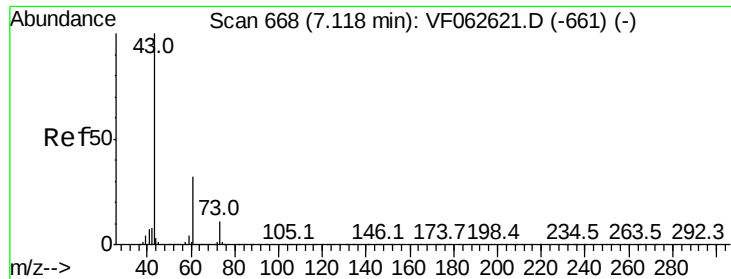
MMDadoda
5/29/2019 11:02:12 AM



#42
1,2-Dichloroethane
Concen: 20.972 ug/l
RT: 5.16 min Scan# 469
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	13.1	0.0	21.6	





#43

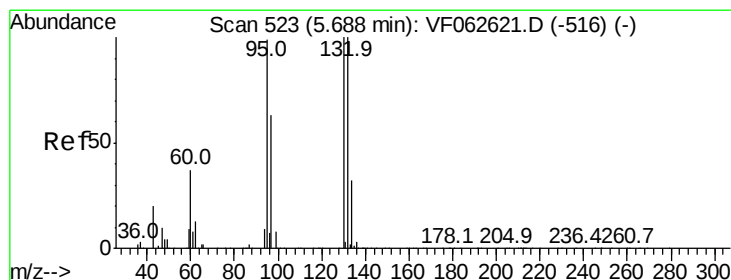
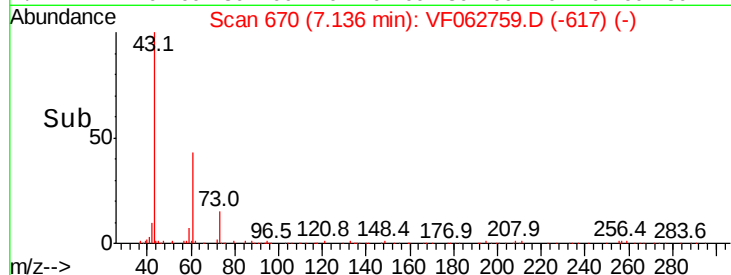
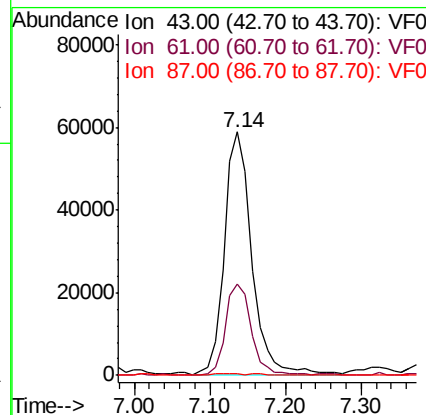
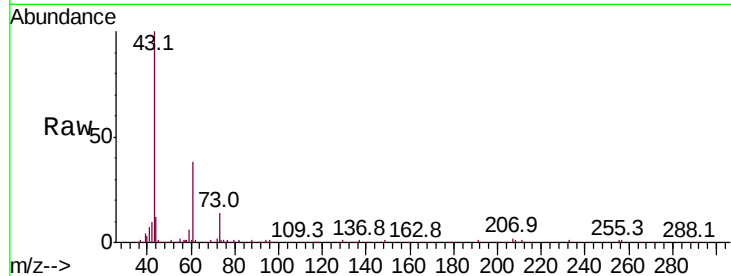
Isopropyl Acetate
 Concen: 20.840 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.02 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.6	25.8	38.8
87	0.4	0.4	0.6

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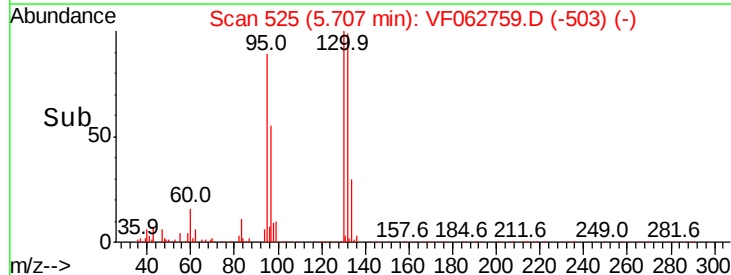
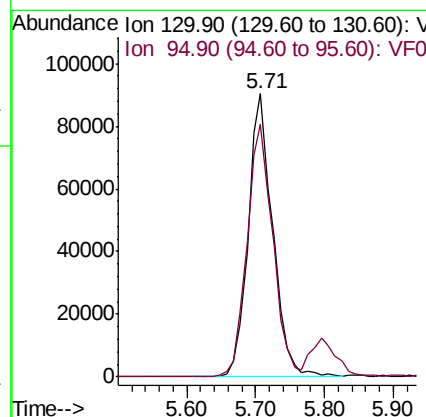
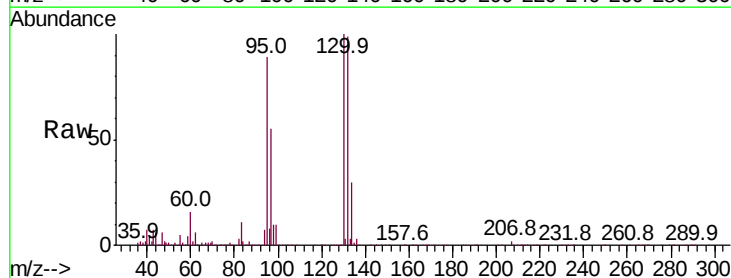
MMDadoda
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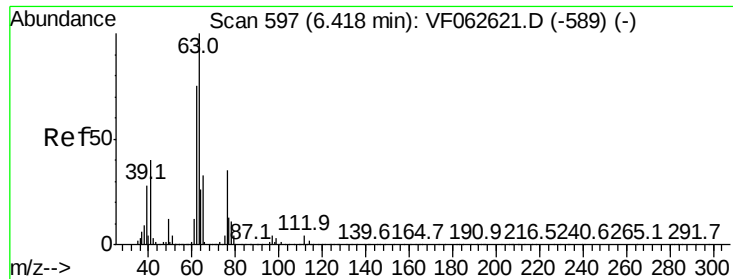


#44

Trichloroethene
 Concen: 21.387 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.02 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	199.4





#45

1,2-Dichloropropane

Concen: 21.775 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 63 Resp: 203317

Ion Ratio Lower Upper

63 100

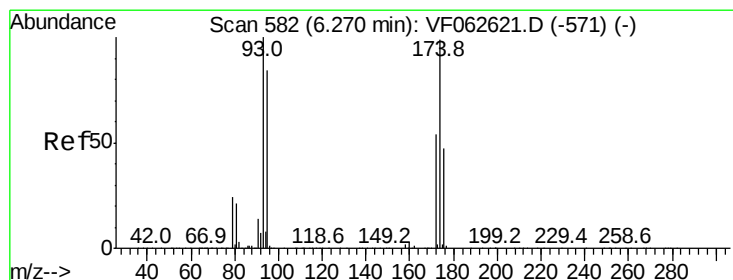
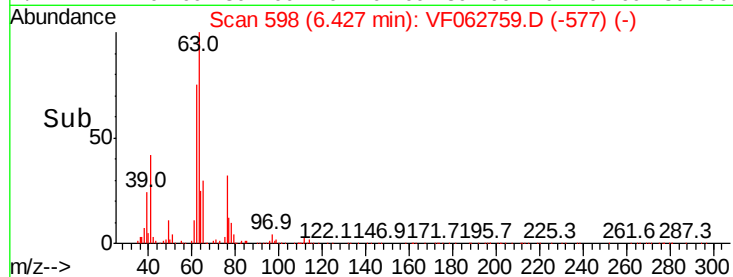
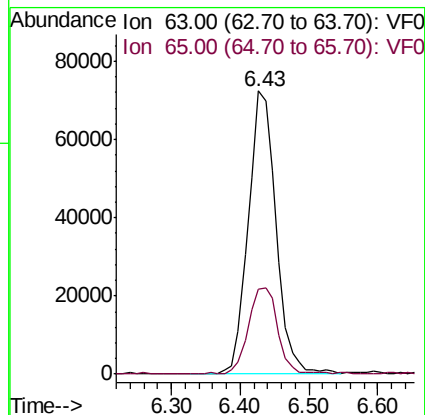
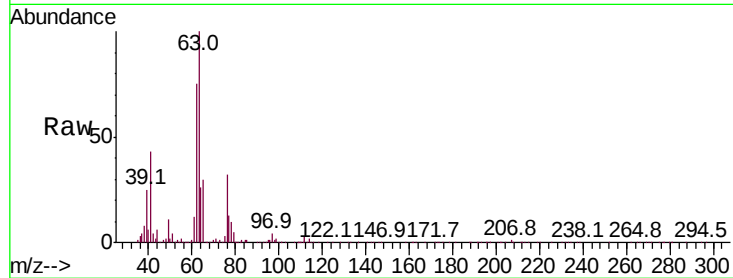
65 29.9 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 21.494 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

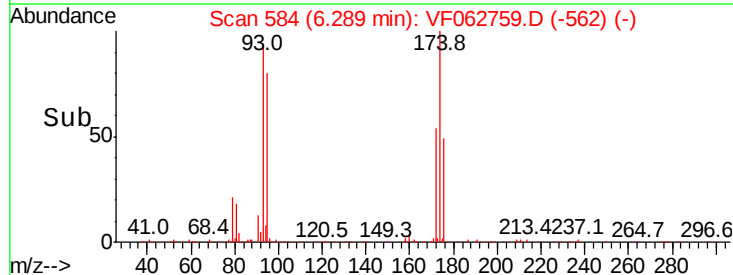
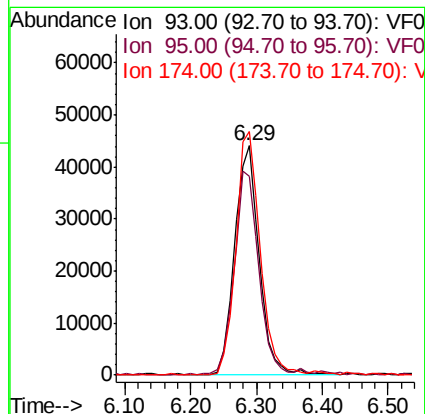
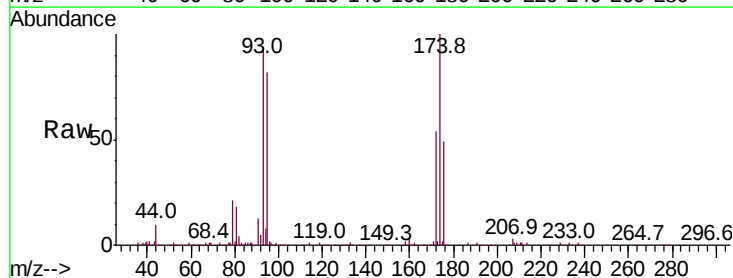
Tgt Ion: 93 Resp: 115987

Ion Ratio Lower Upper

93 100

95 88.5 67.4 101.2

174 107.9 79.4 119.2





#47

Bromodichloromethane

Concen: 21.759 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

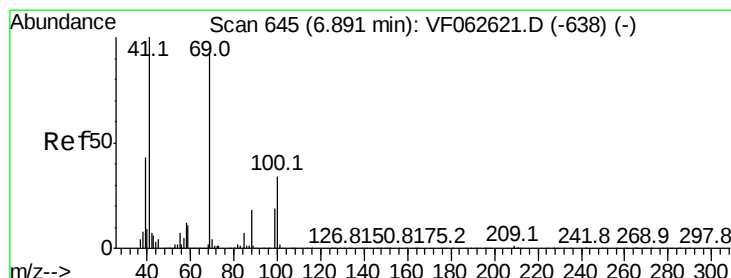
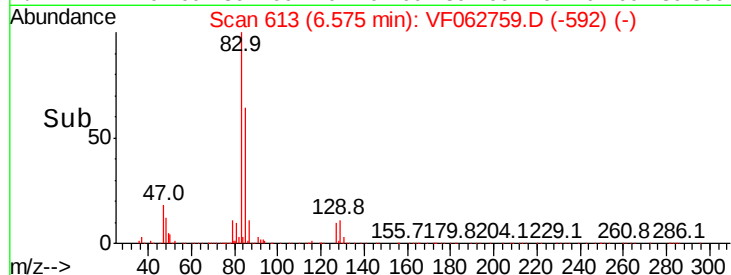
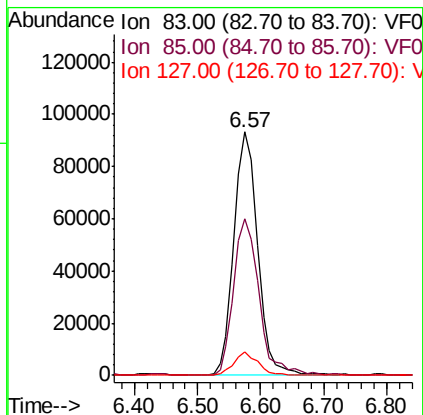
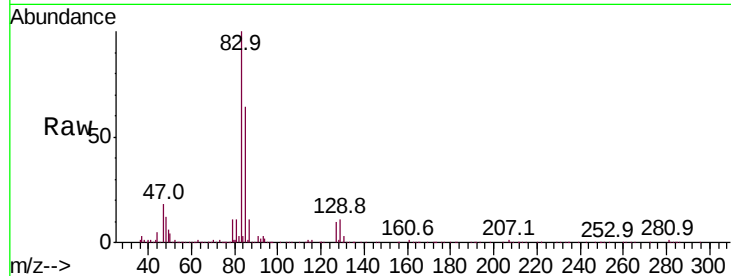
ClientSampleId :

VF0528SBS02

Tot Ion:	83	Resp:	243755
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.0	78.0
127	9.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.726 ug/l

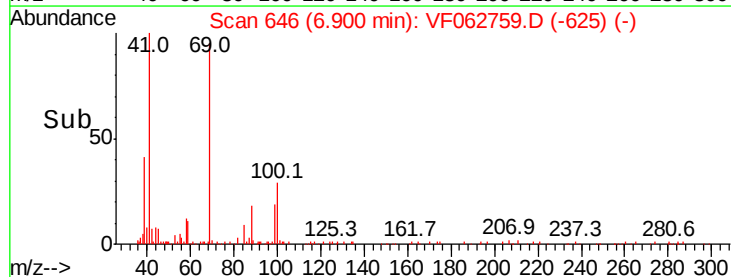
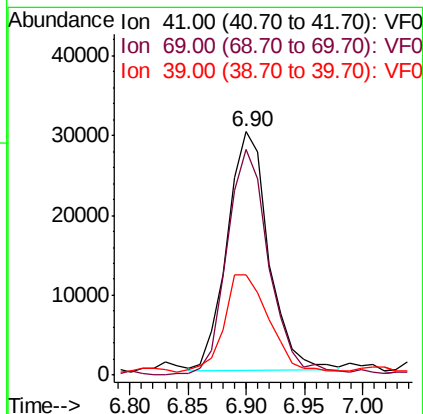
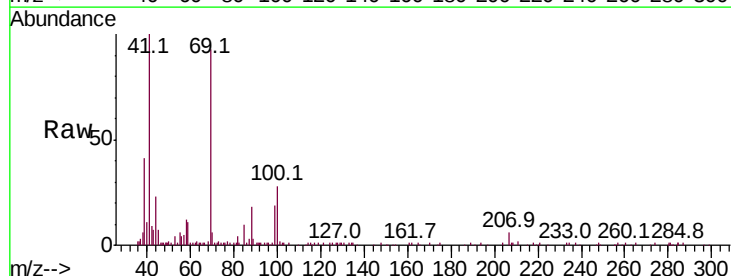
RT: 6.90 min Scan# 646

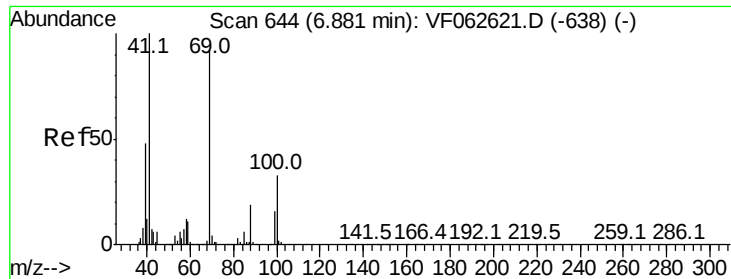
Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	41	Resp:	74049
Ion Ratio	Lower	Upper	
41	100		
69	92.8	74.2	111.2
39	41.3	34.2	51.4





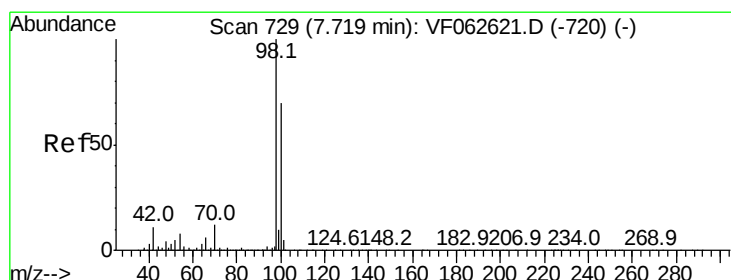
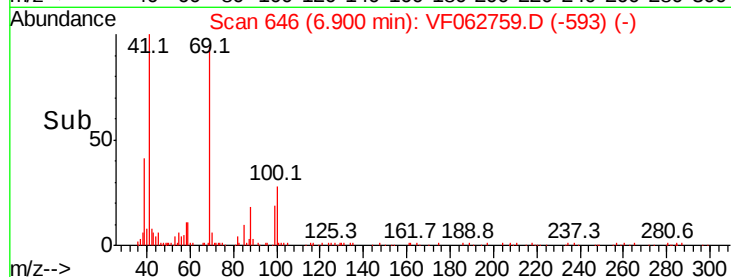
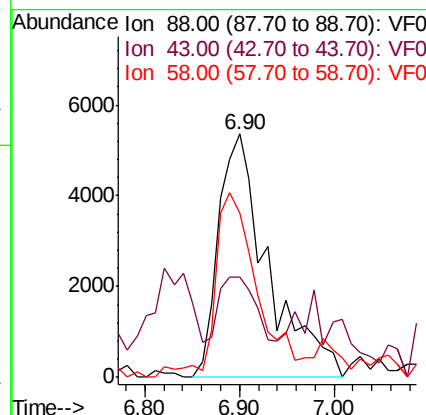
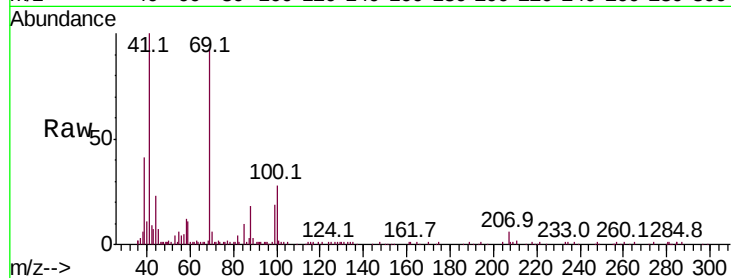
#49
1,4-Dioxane
Concen: 404.322 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.2	30.0	45.0
58	67.5	51.1	76.7

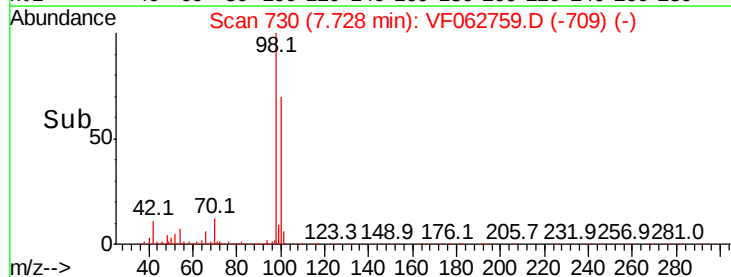
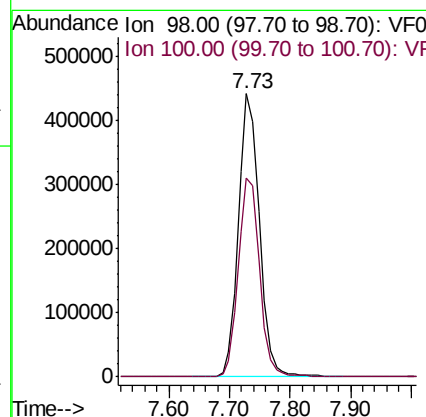
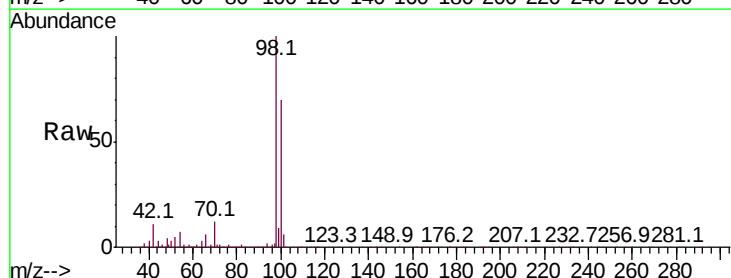
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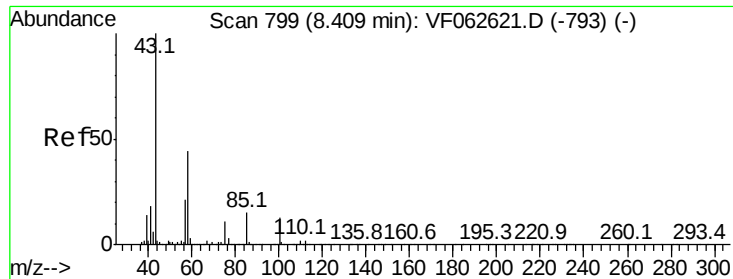
MMDadoda
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#50
Toluene-d8
Concen: 44.098 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.3	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 106.772 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 43 Resp: 524170

Ion Ratio Lower Upper

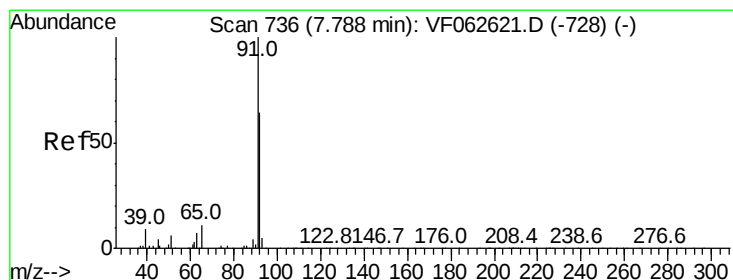
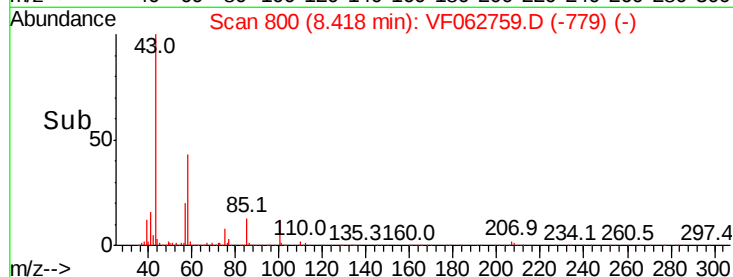
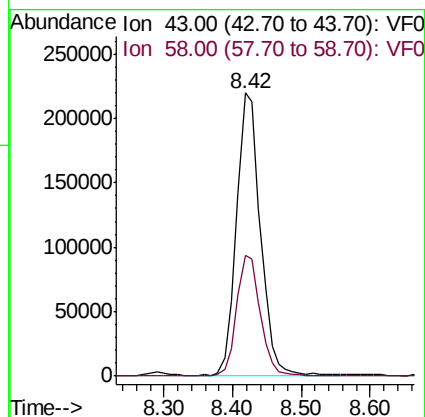
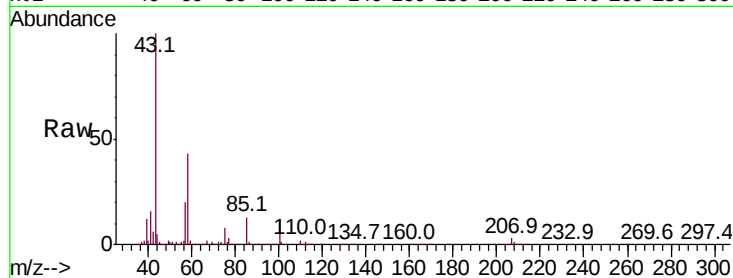
43 100

58 42.5 34.9 52.3

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#52

Toluene

Concen: 22.073 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062759.D

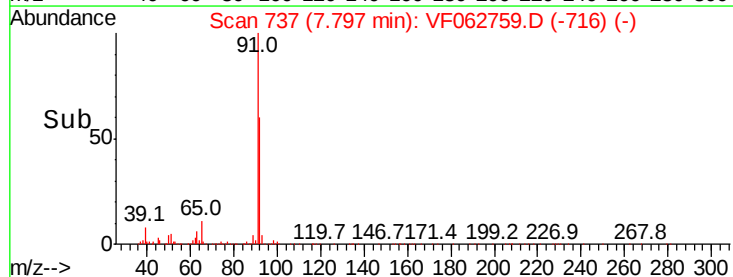
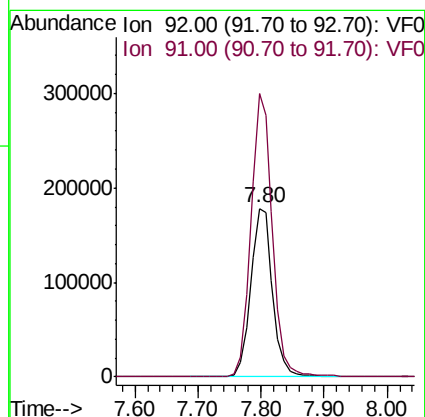
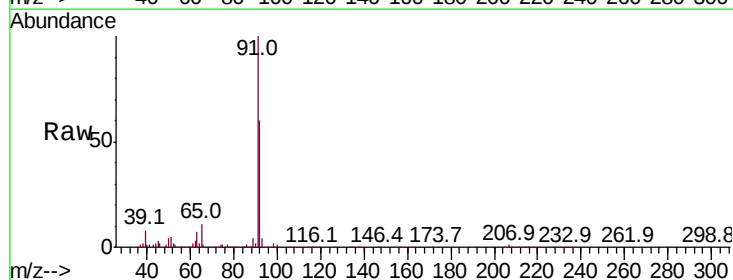
Acq: 28 May 2019 14:28

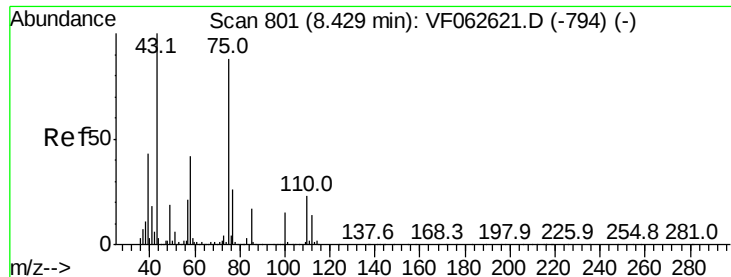
Tgt Ion: 92 Resp: 428195

Ion Ratio Lower Upper

92 100

91 167.8 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 21.796 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 75 Resp: 199761

Ion Ratio Lower Upper

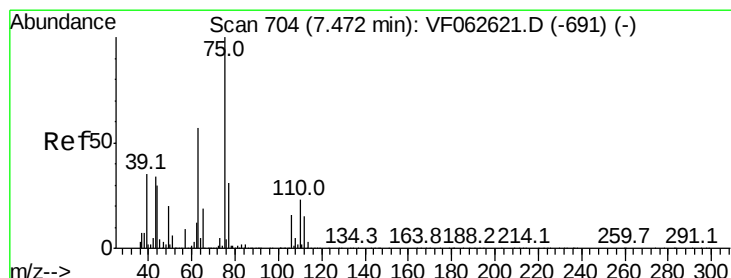
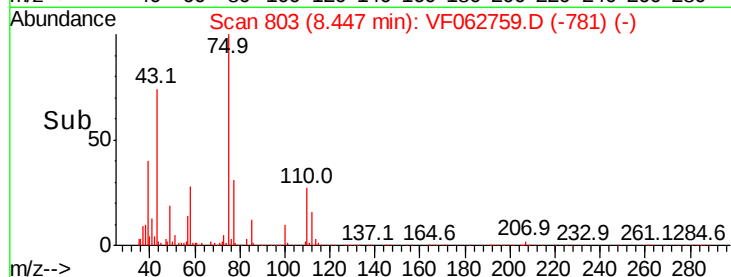
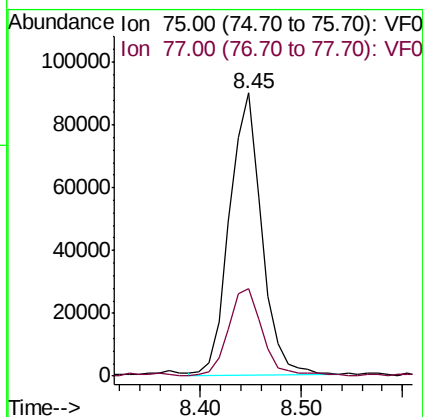
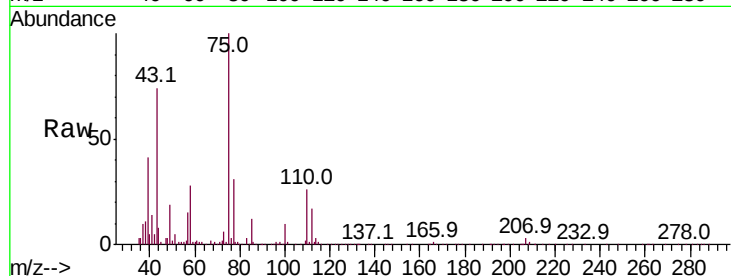
75 100

77 30.8 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 22.440 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

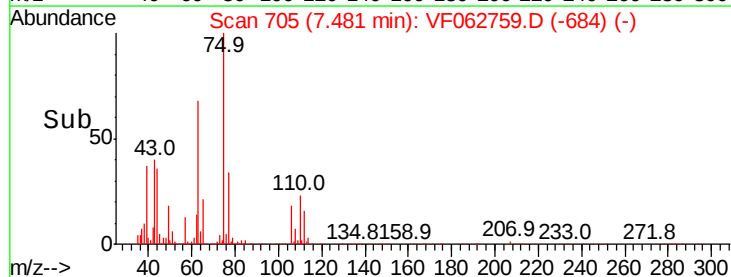
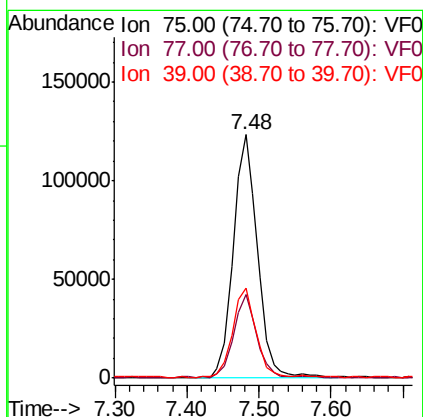
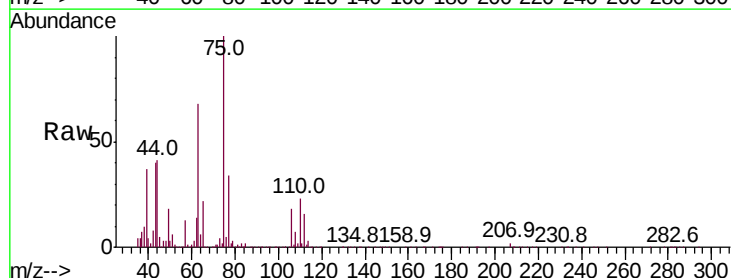
Tgt Ion: 75 Resp: 287893

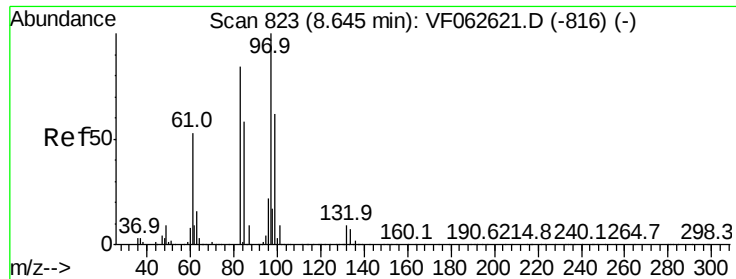
Ion Ratio Lower Upper

75 100

77 34.2 25.3 37.9

39 36.8 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 21.734 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

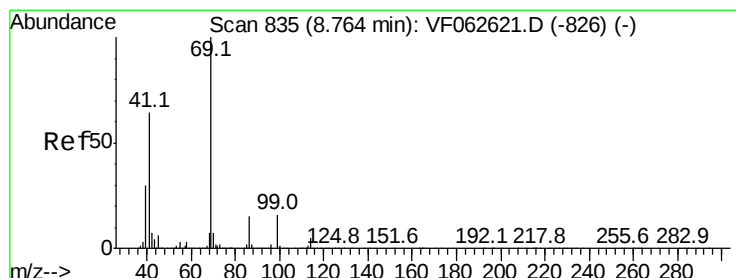
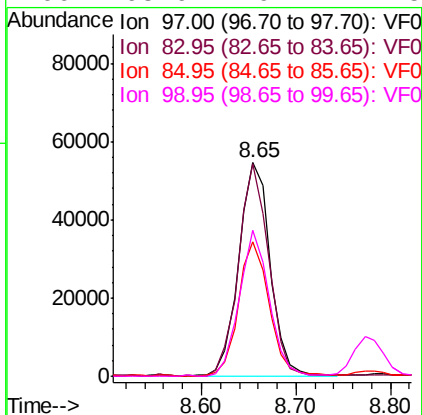
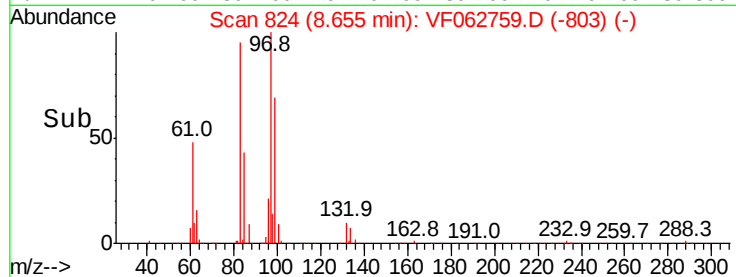
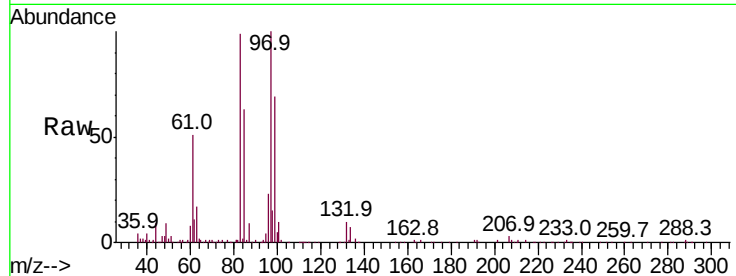
ClientSampleId :

VF0528SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		124835		
83	99.4	67.3	100.9		
85	62.7	46.6	69.8		
99	68.6	49.7	74.5		

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#56

Ethyl methacrylate

Concen: 21.062 ug/l

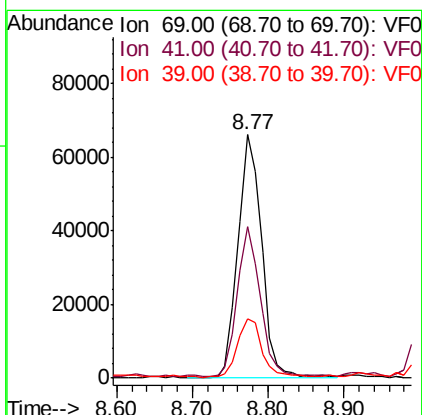
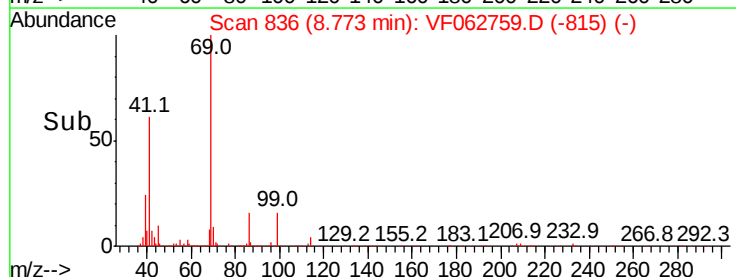
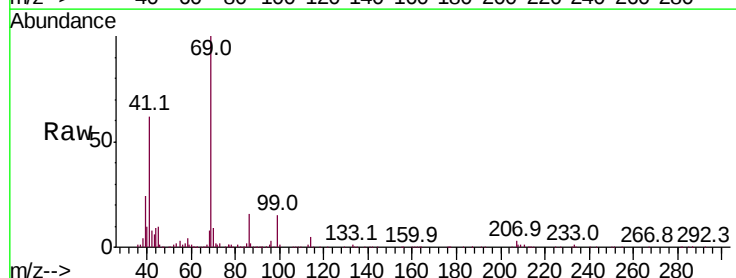
RT: 8.77 min Scan# 836

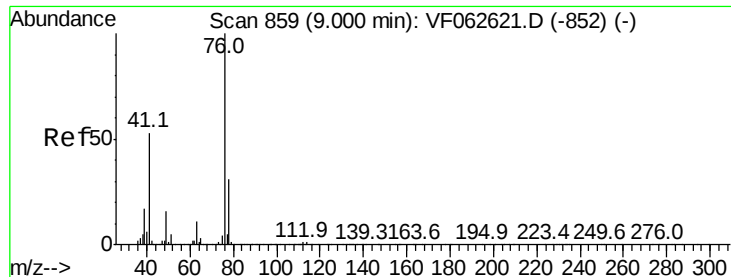
Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		144123		
41	62.3	51.4	77.2		
39	24.4	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 22.050 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.02 min

Lab File: VF062759.D

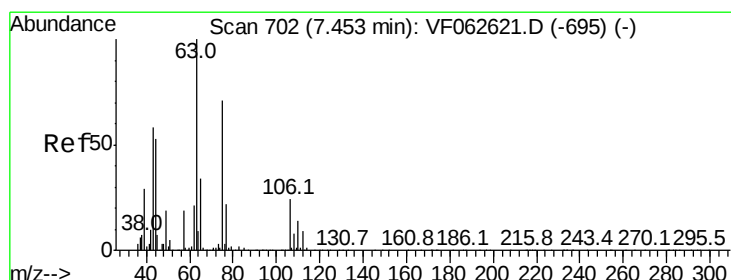
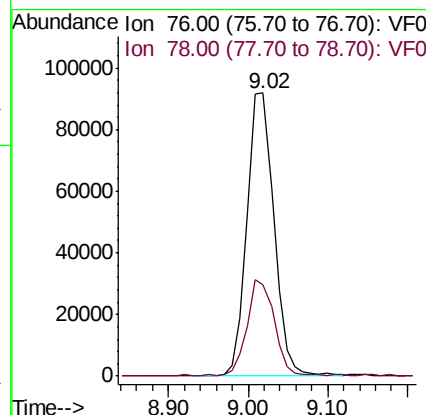
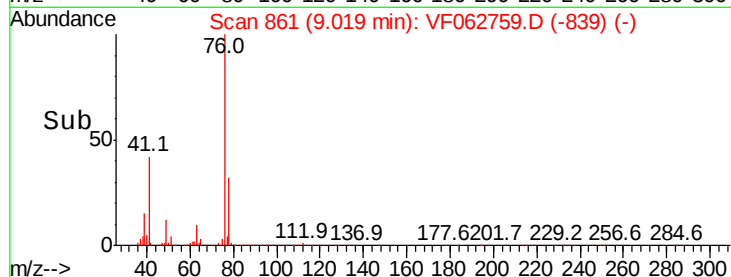
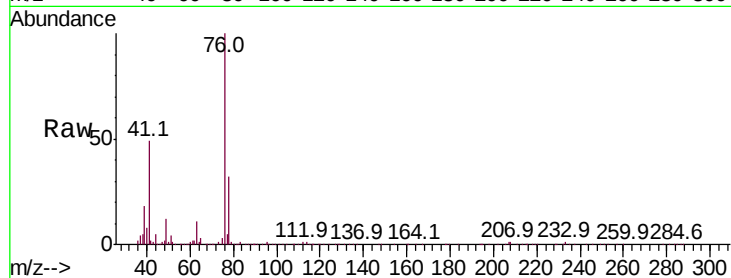
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 113.591 ug/l

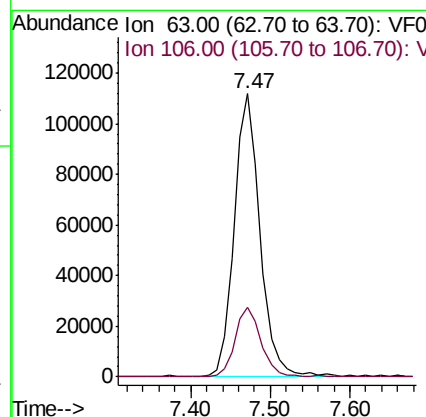
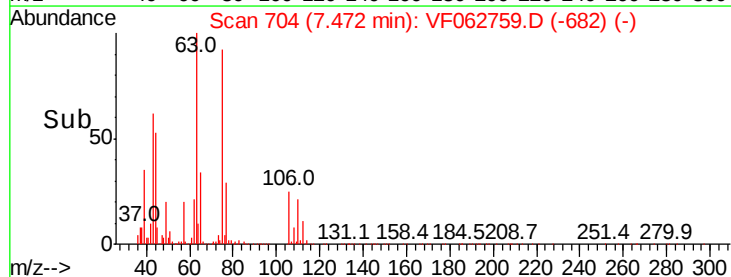
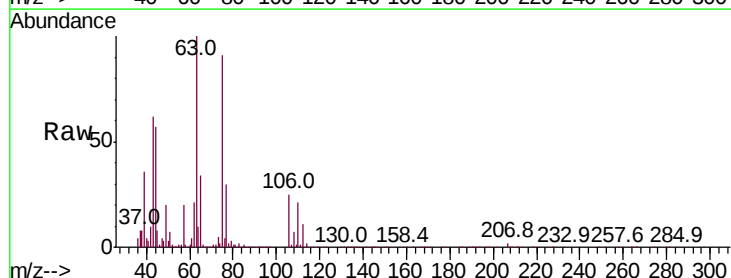
RT: 7.47 min Scan# 704

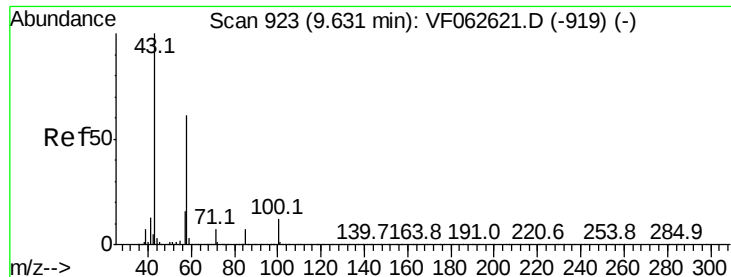
Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.1	28.7





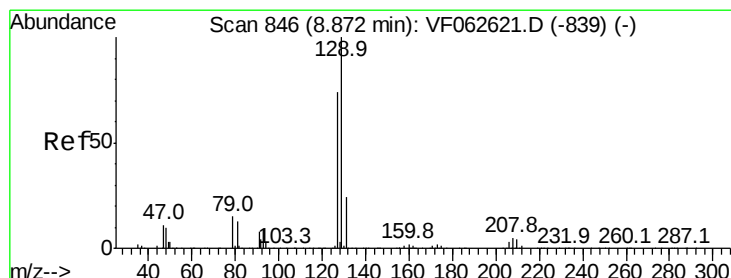
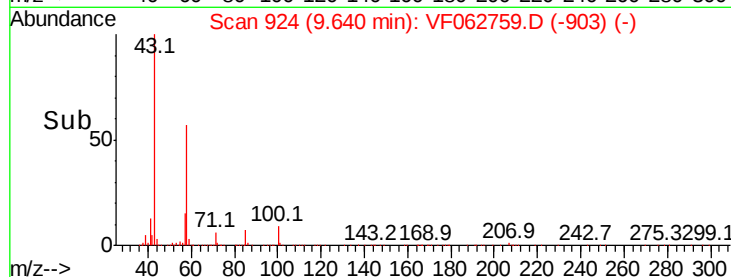
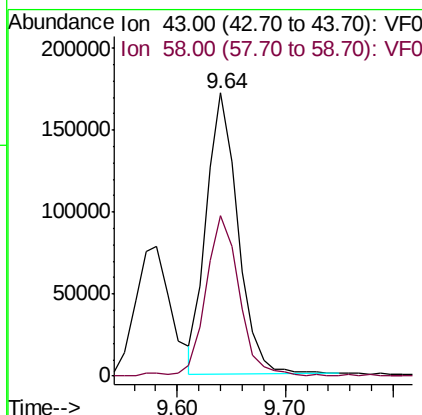
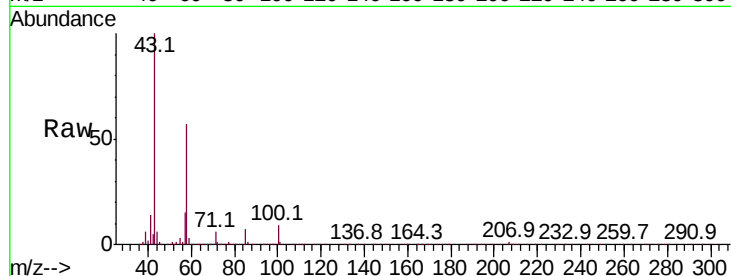
#59
2-Hexanone
Concen: 97.408 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.1	84.4

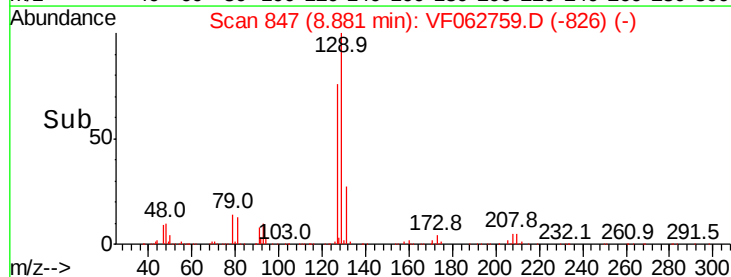
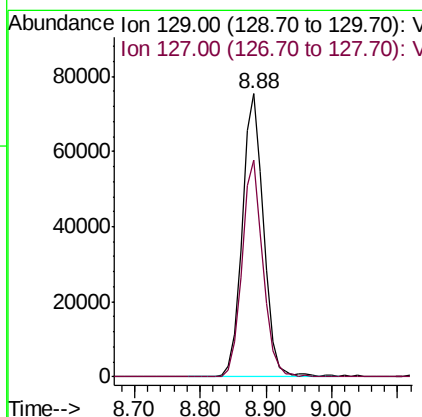
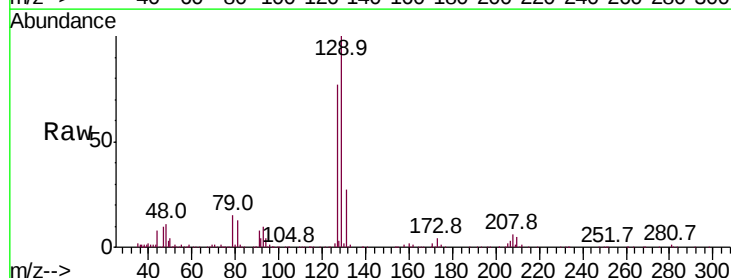
Manual Integrations
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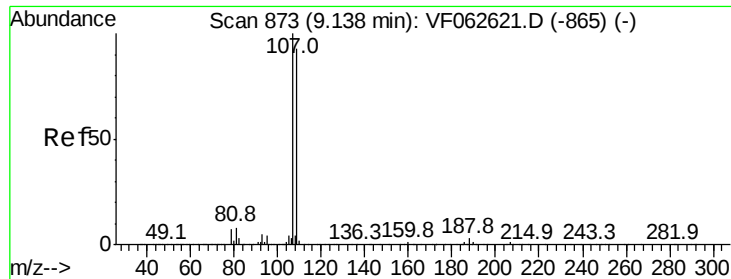
MMDadoda
5/29/2019 11:02:12 AM



#60
Dibromochloromethane
Concen: 22.895 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	37.2	111.6





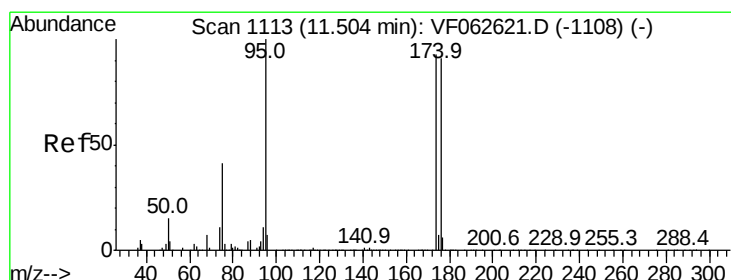
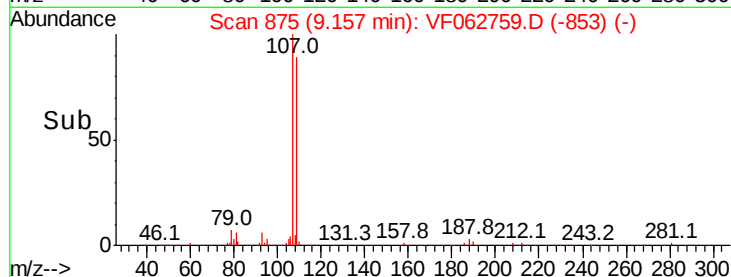
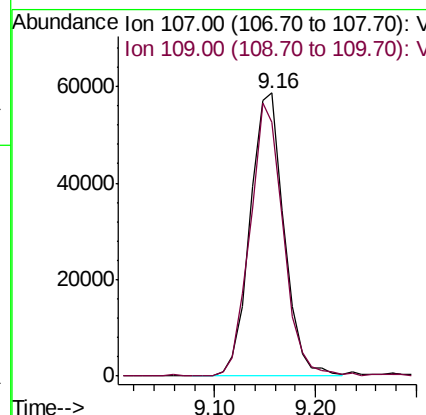
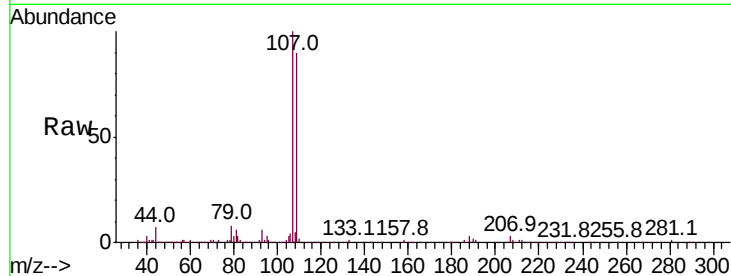
#61
 1,2-Dibromoethane
 Concen: 22.529 ug/l
 RT: 9.16 min Scan# 875
 Delta R.T. 0.02 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.9	74.8	112.2

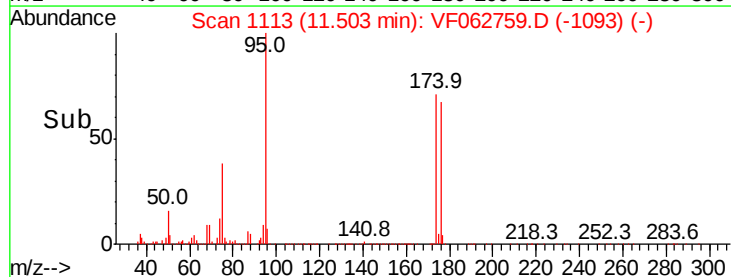
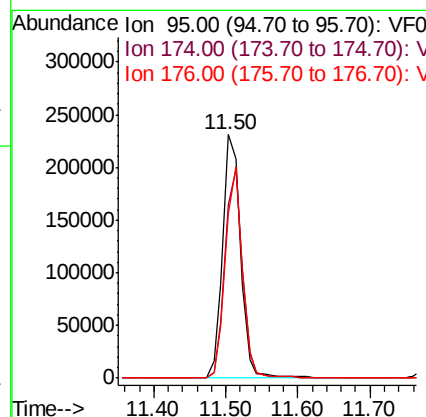
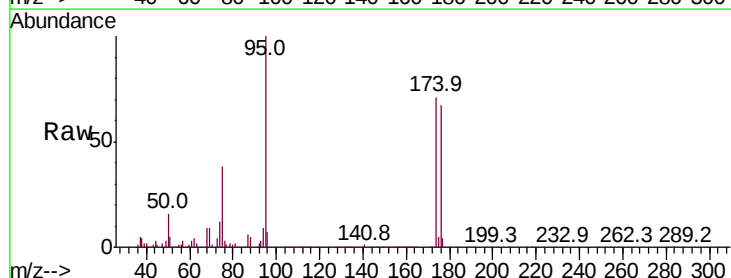
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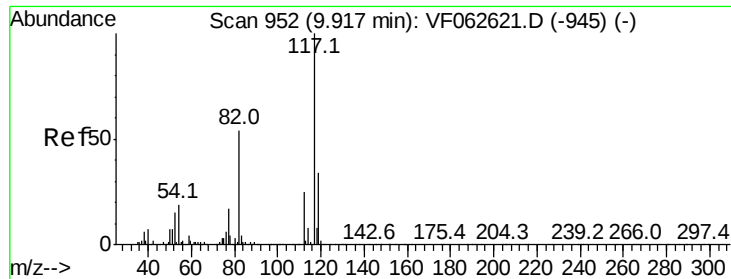
MMDadoda
 5/29/2019 11:02:12 AM



#62
 4-Bromofluorobenzene
 Concen: 43.279 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	185.6
176	67.3	0.0	182.4





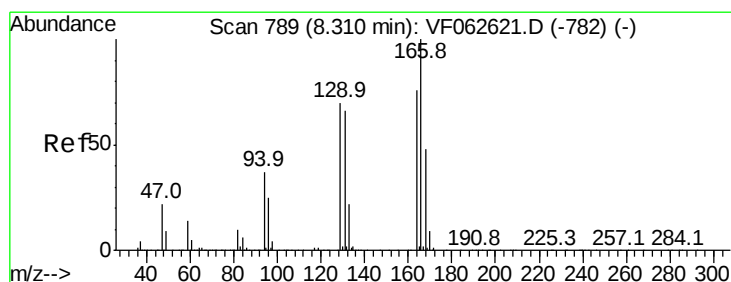
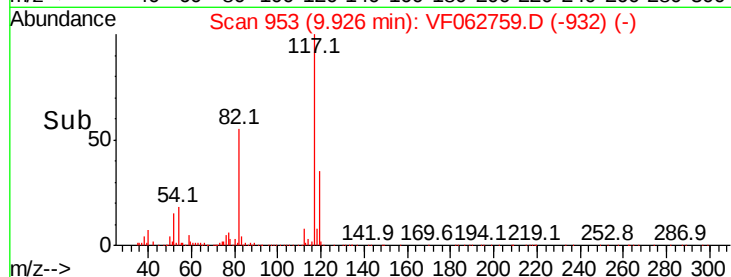
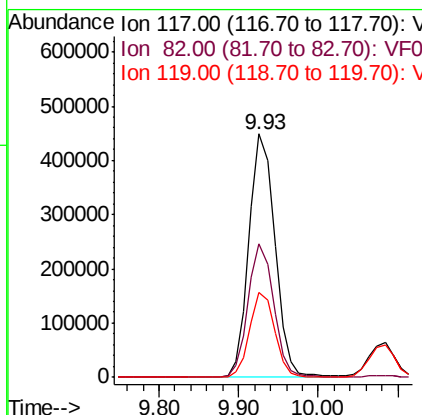
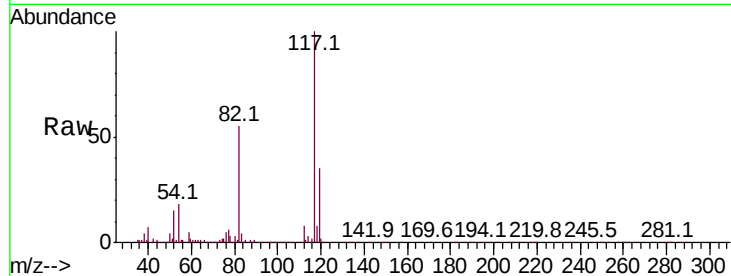
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.3	64.9
119	34.8	27.4	41.0

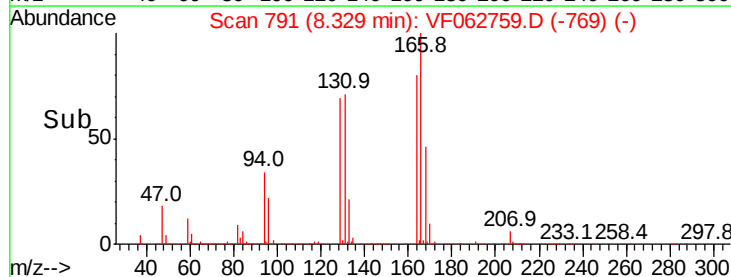
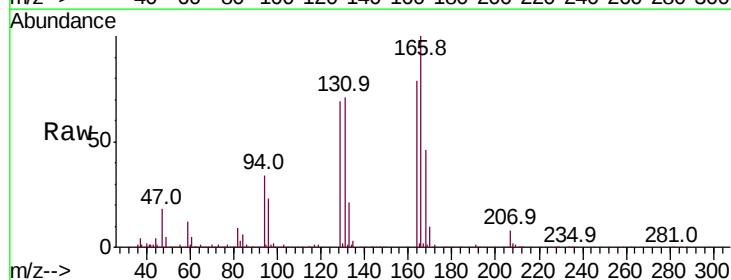
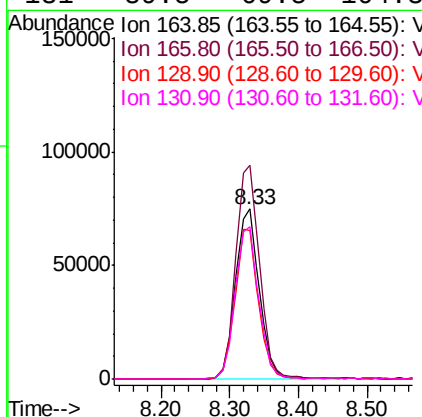
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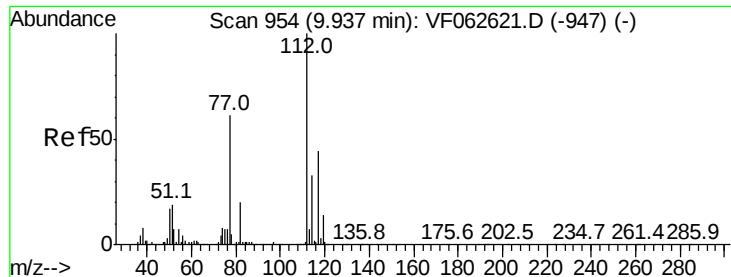
MMDadoda
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#64
Tetrachloroethene
Concen: 22.545 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	105.5	158.3
129	87.2	73.8	110.6
131	89.5	69.5	104.3





#65

Chlorobenzene

Concen: 22.959 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.02 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion:112 Resp: 456398

Ion Ratio Lower Upper

112 100

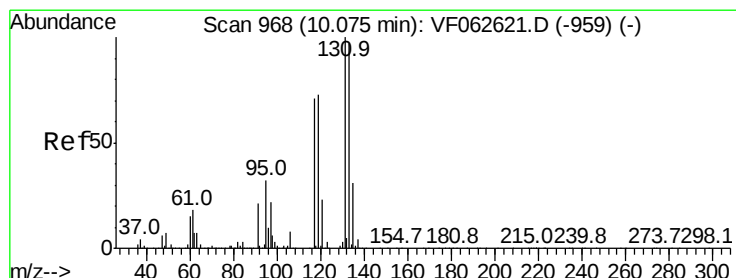
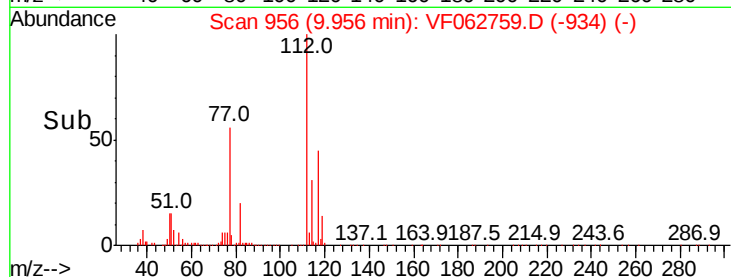
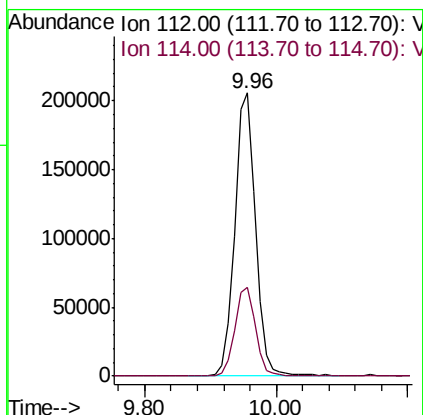
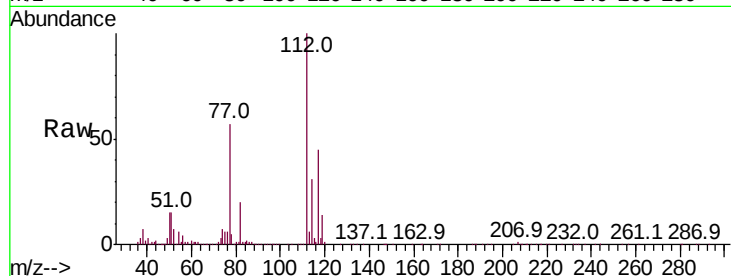
114 31.3 26.8 40.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.183 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

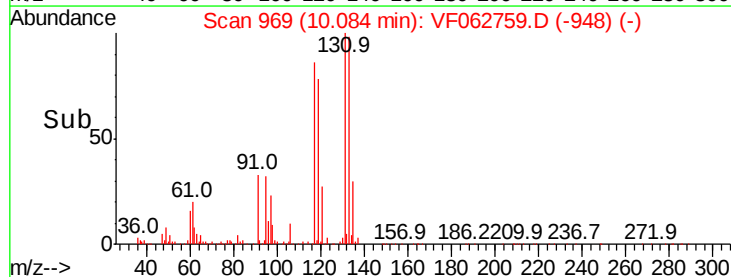
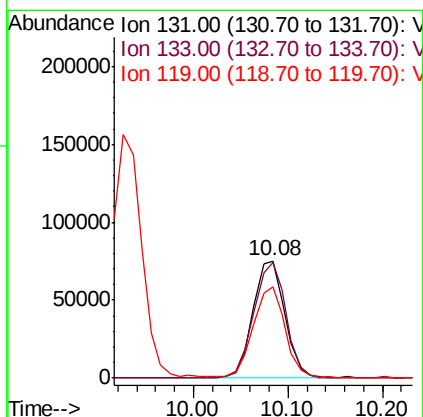
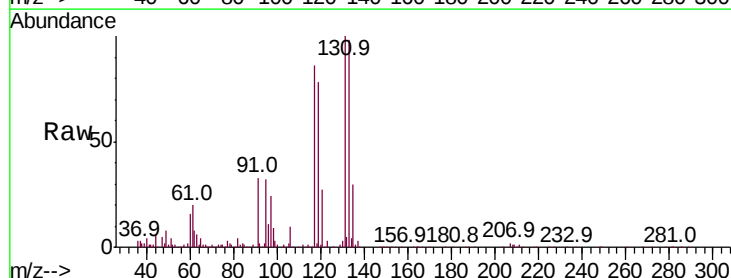
Tgt Ion:131 Resp: 177028

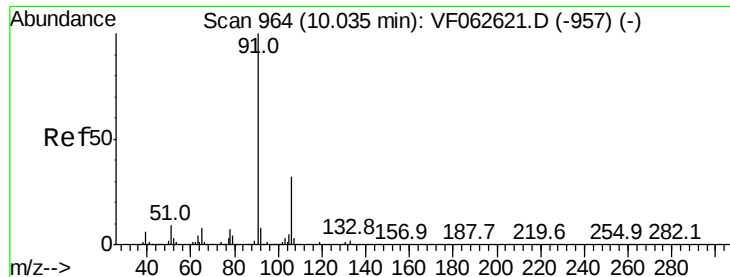
Ion Ratio Lower Upper

131 100

133 98.2 48.5 145.5

119 78.4 36.8 110.4





#67

Ethyl Benzene

Concen: 22.896 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 91 Resp: 790702

Ion Ratio Lower Upper

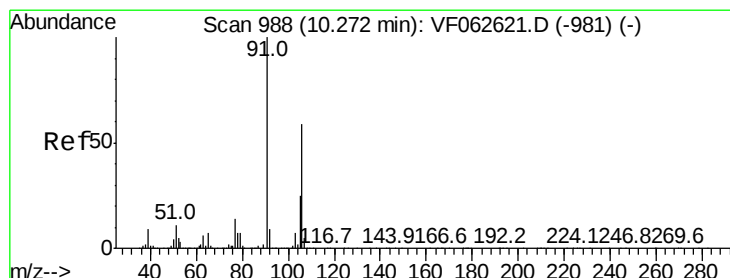
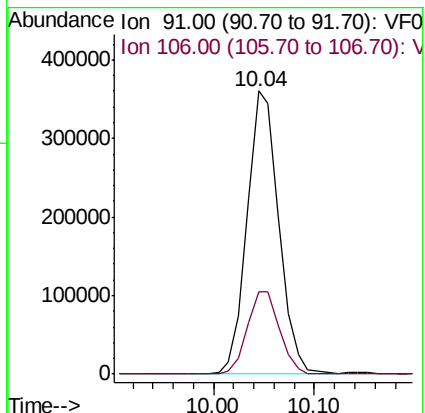
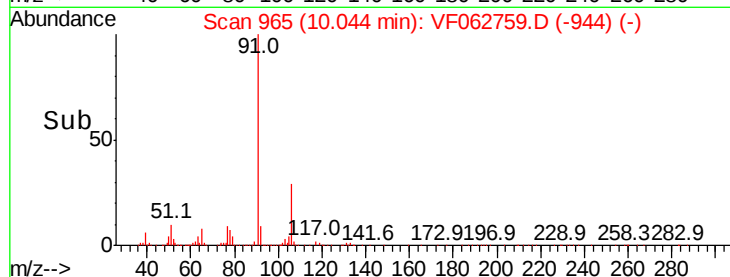
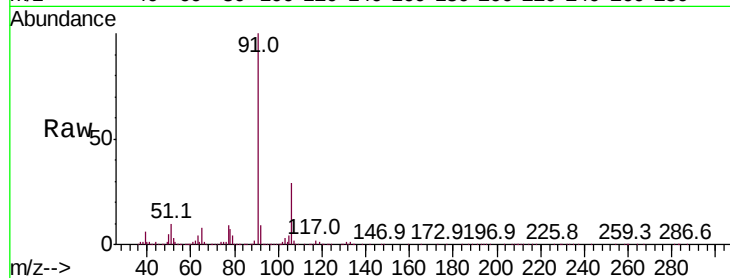
91 100

106 29.3 25.8 38.8

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#68

m/p-Xylenes

Concen: 45.403 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062759.D

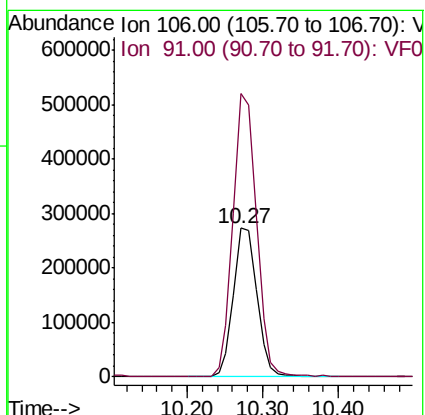
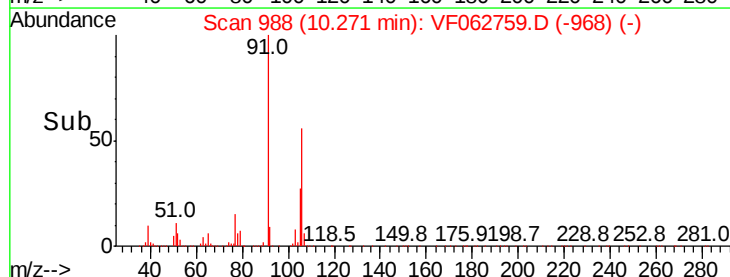
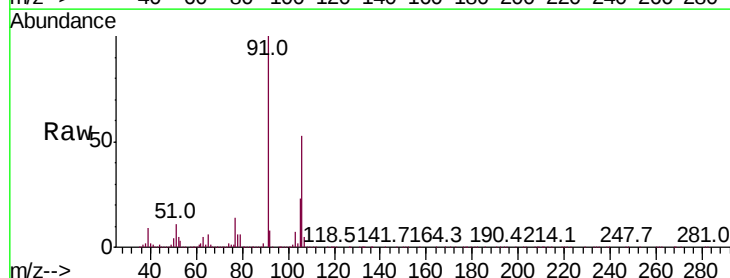
Acq: 28 May 2019 14:28

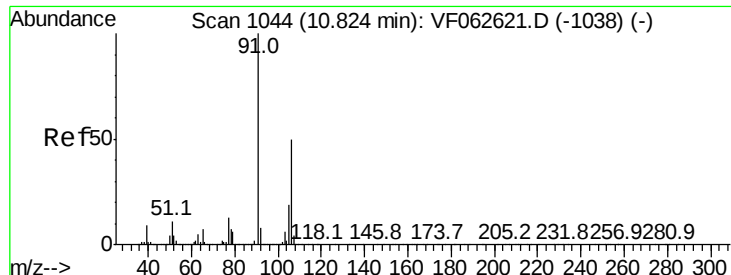
Tgt Ion: 106 Resp: 589306

Ion Ratio Lower Upper

106 100

91 190.4 136.9 205.3





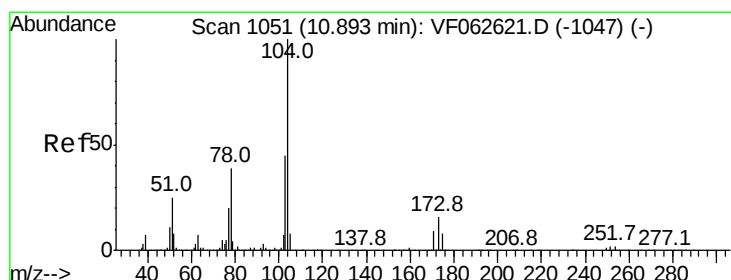
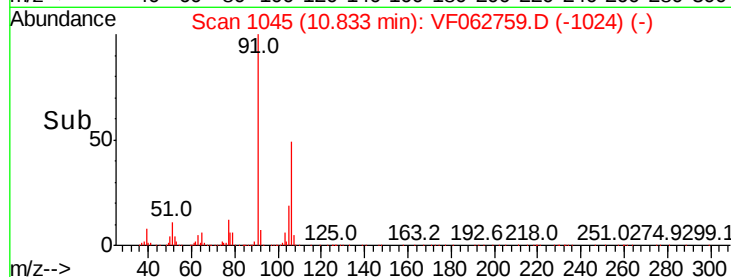
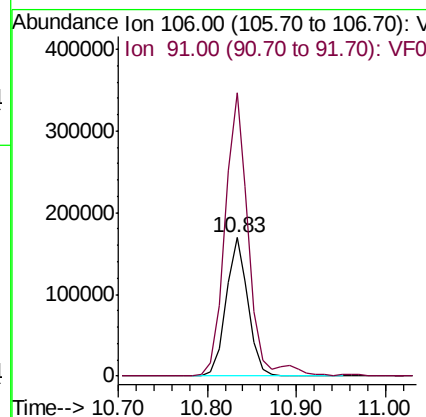
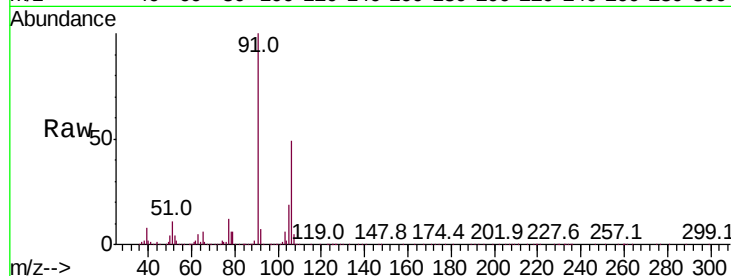
#69
o-Xylene
Concen: 22.124 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	295767		
91	204.8	100.2	300.5	

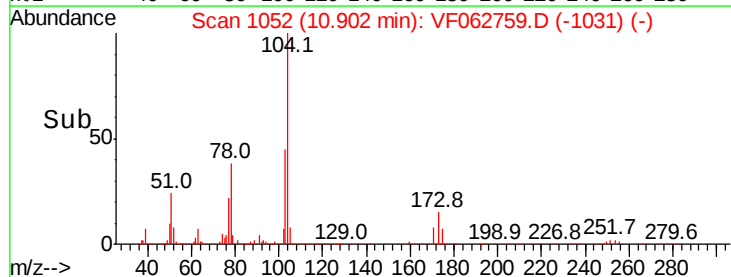
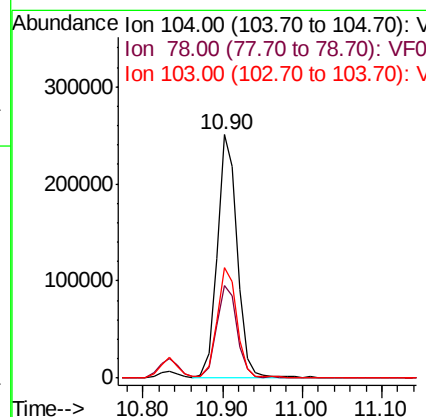
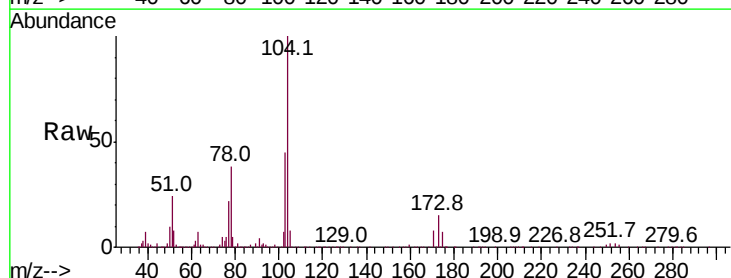
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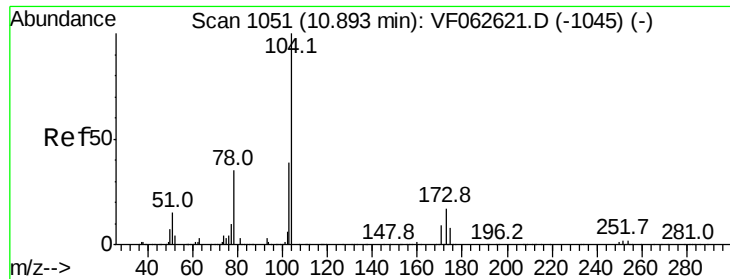
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#70
Styrene
Concen: 21.778 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	442524		
78	37.9	31.9	47.9	
103	45.5	36.1	54.1	





#71

Bromoform

Concen: 21.571 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

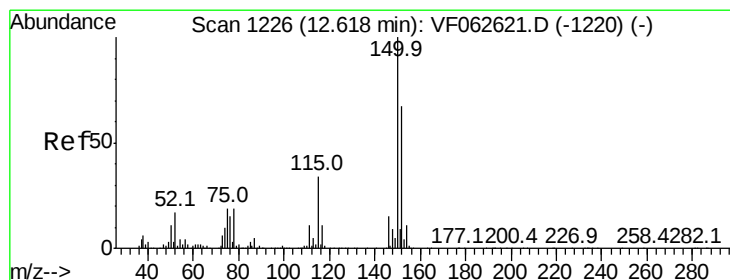
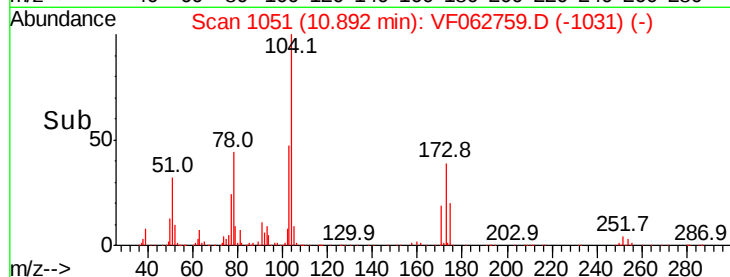
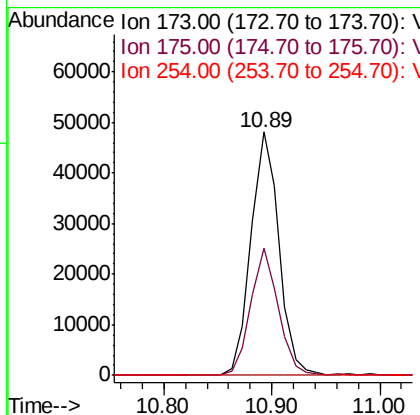
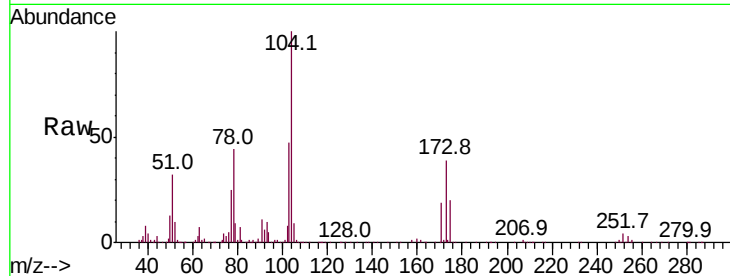
ClientSampleId :

VF0528SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	25.3	75.9
254	0.0	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

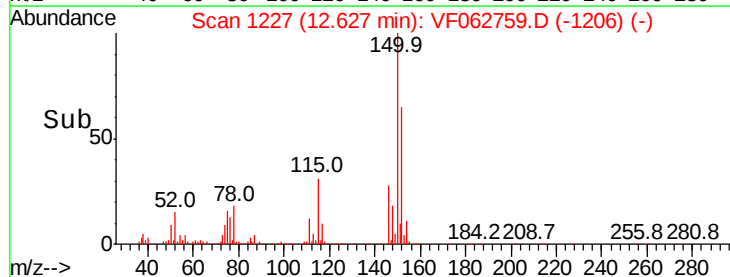
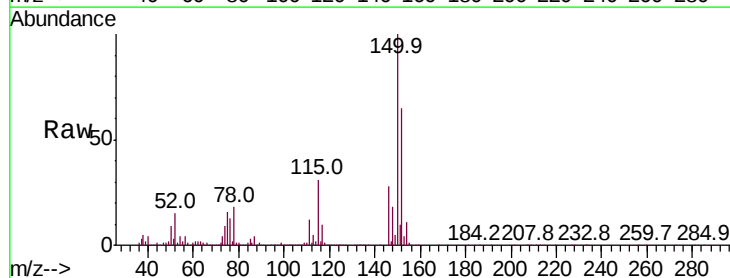
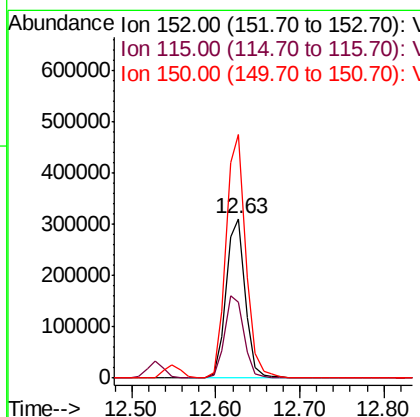
RT: 12.63 min Scan# 1227

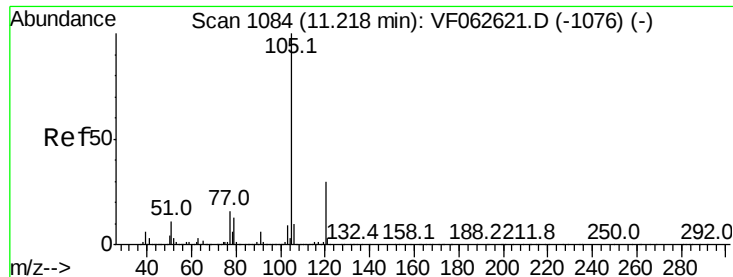
Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	47.8	25.2	75.6
150	152.8	0.0	306.2





#73

Isopropylbenzene

Concen: 22.548 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

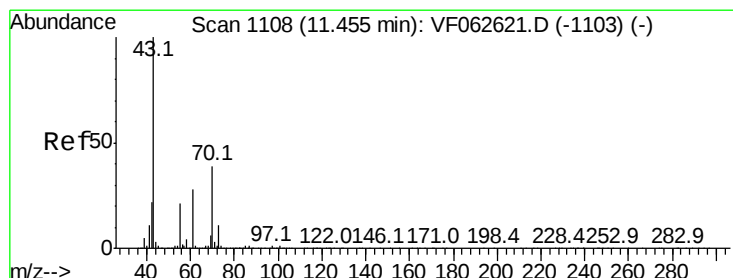
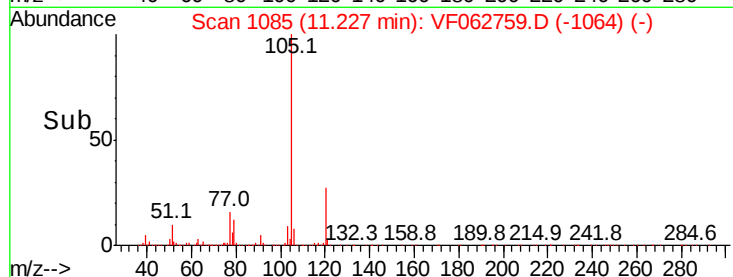
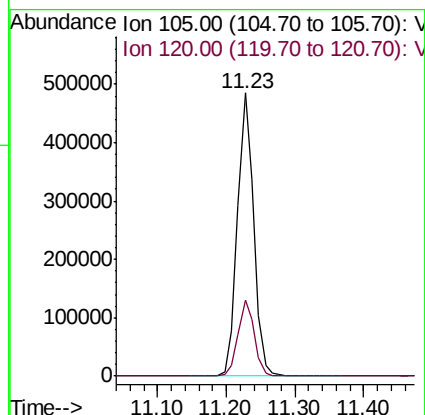
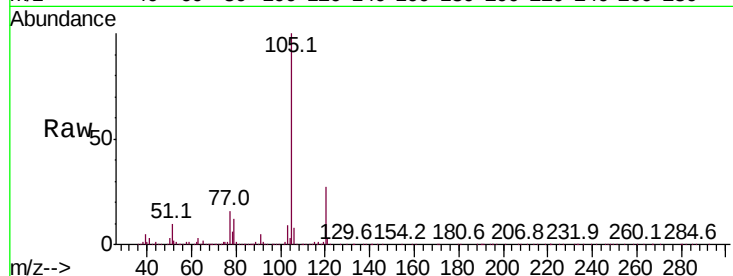
ClientSampled :

VF0528SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	14.8	44.4

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#74

N-ethyl acetate

Concen: 19.486 ug/l

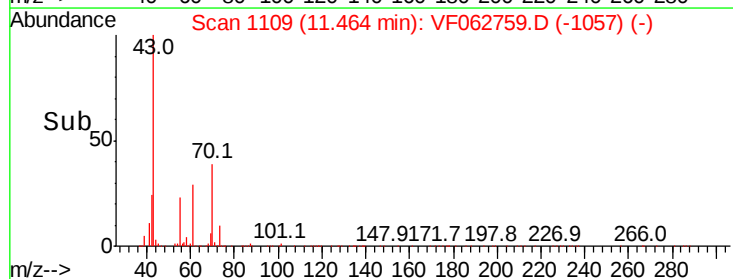
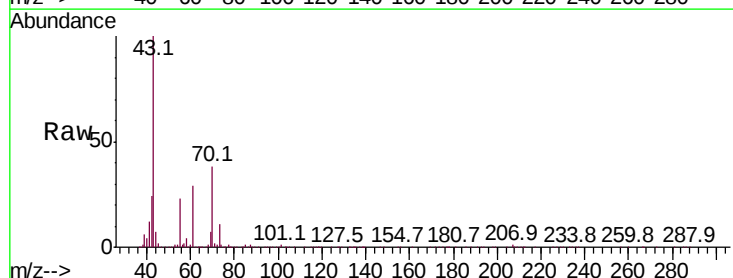
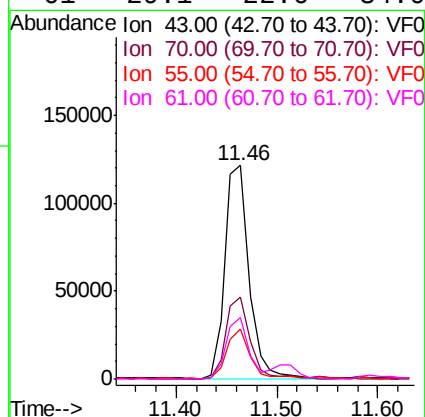
RT: 11.46 min Scan# 1109

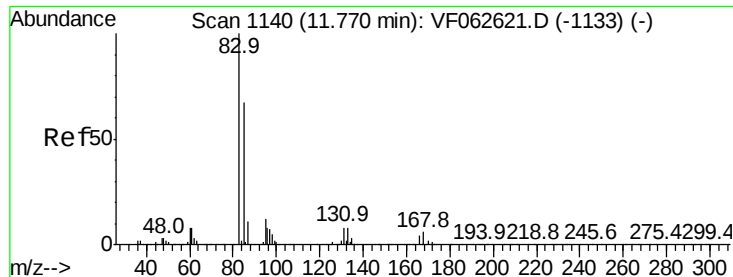
Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	23.5	17.0	25.4
61	29.1	22.6	34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.666 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

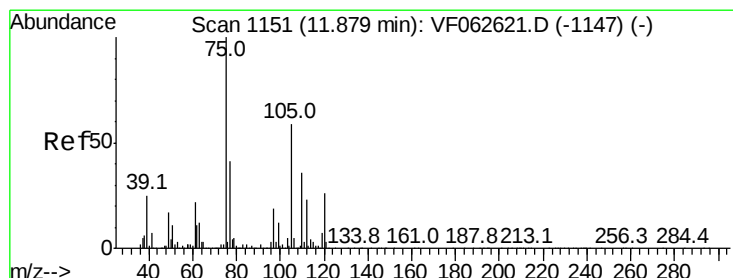
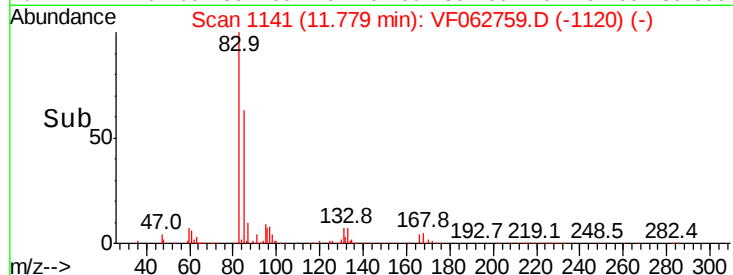
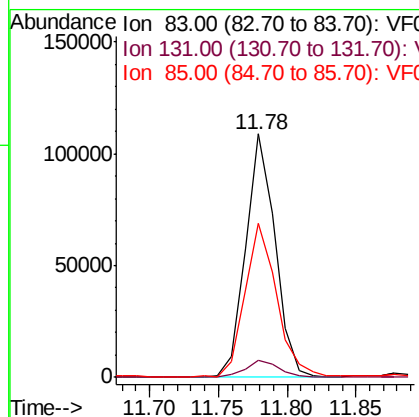
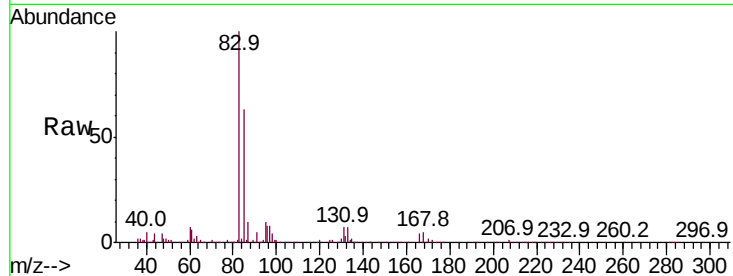
ClientSampleId :

VF0528SBS02

Tot Ion:	83	Resp:	162656
Ion Ratio	Lower	Upper	
83	100		
131	7.0	4.0	12.0
85	63.4	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 21.546 ug/l

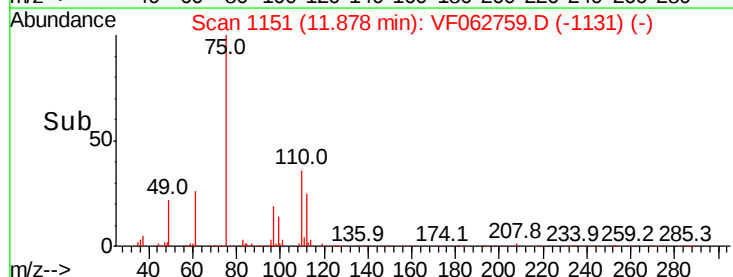
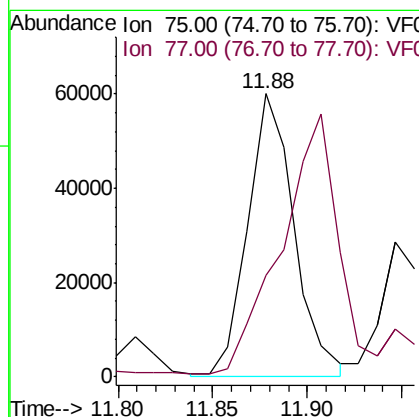
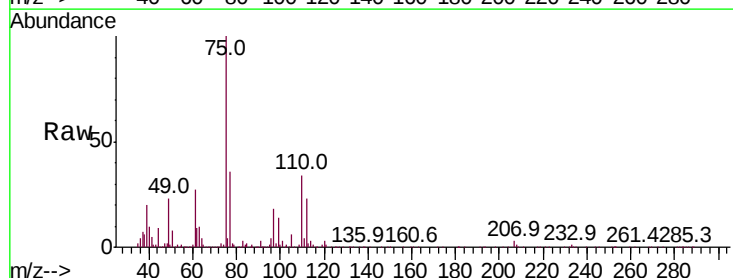
RT: 11.88 min Scan# 1151

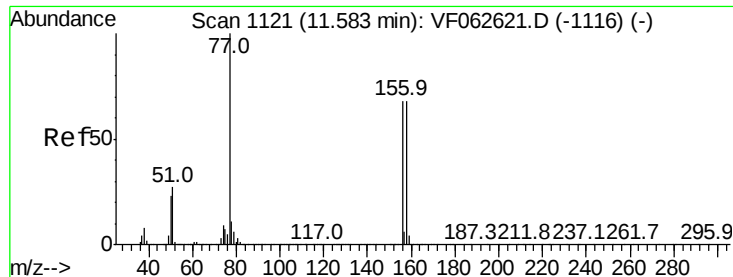
Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	75	Resp:	101595
Ion Ratio	Lower	Upper	
75	100		
77	35.7	20.6	61.8





#77

Bromobenzene

Concen: 21.319 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

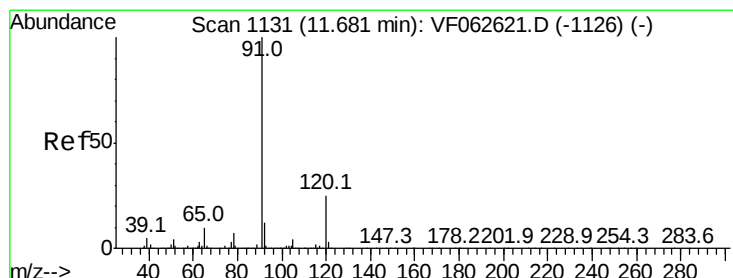
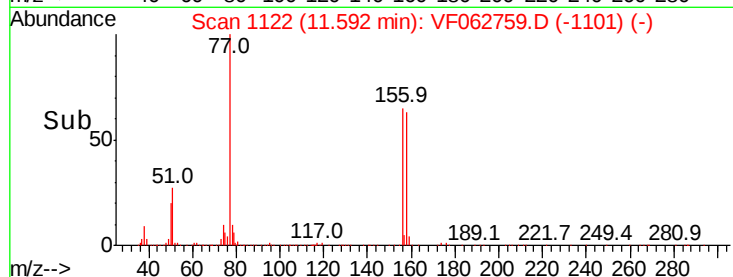
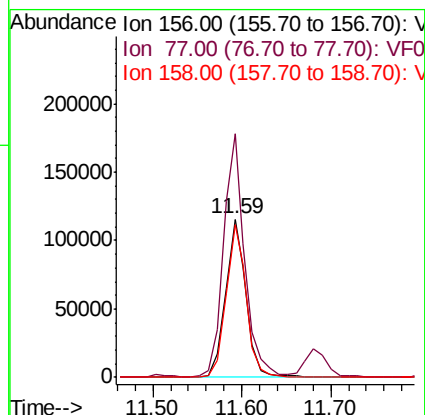
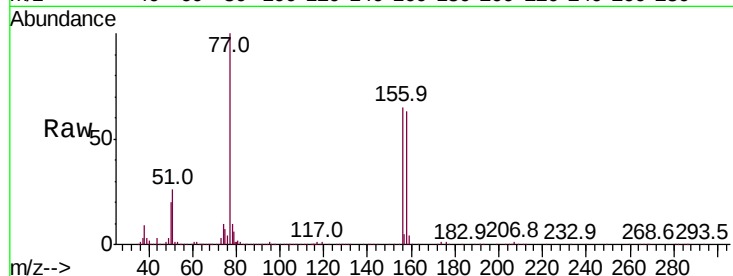
ClientSampleId :

VF0528SBS02

Tot Ion:	156	Resp:	186086
Ion Ratio	Lower	Upper	
156	100		
77	154.1	73.6	220.8
158	96.8	49.6	148.8

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#78

n-propylbenzene

Concen: 22.495 ug/l

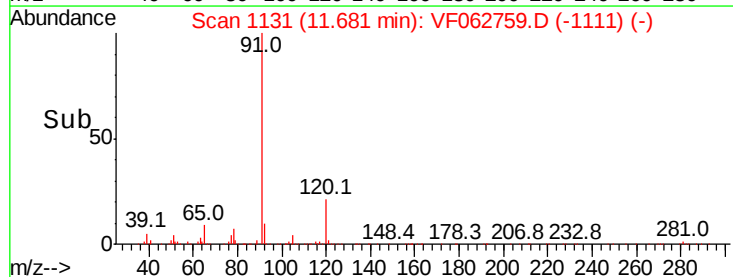
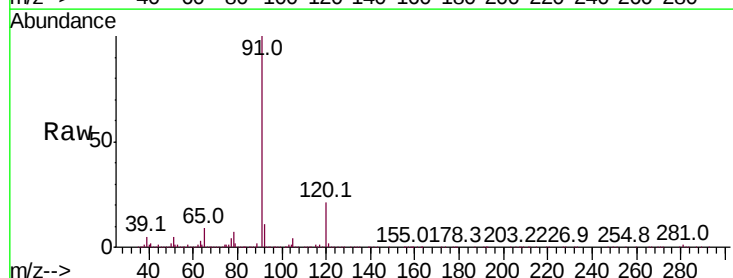
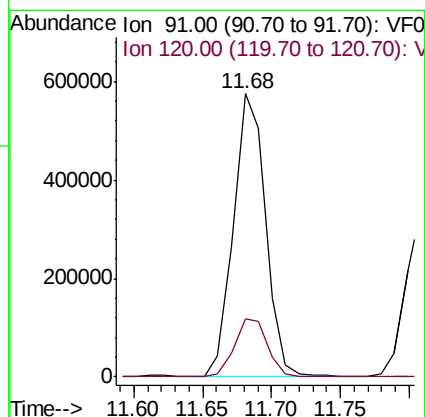
RT: 11.68 min Scan# 1131

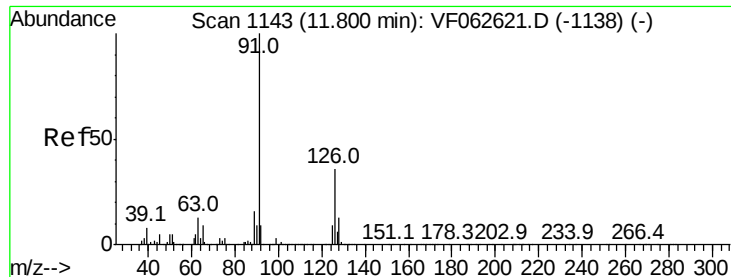
Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	91	Resp:	934834
Ion Ratio	Lower	Upper	
91	100		
120	20.6	12.7	38.1





#79

2-Chlorotoluene

Concen: 22.236 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 91 Resp: 520790

Ion Ratio Lower Upper

91 100

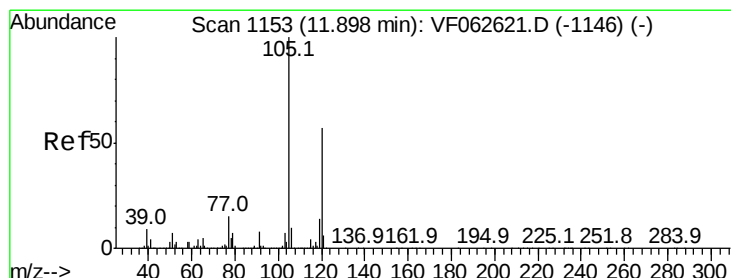
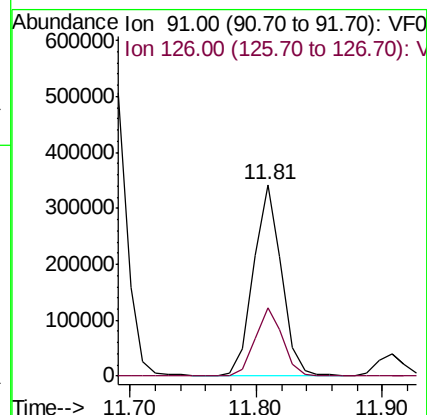
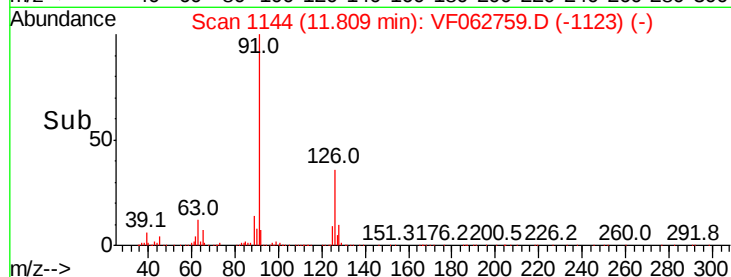
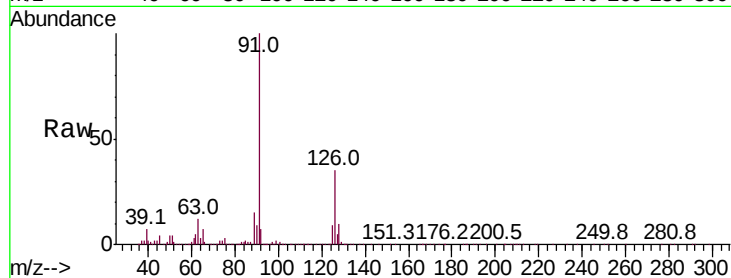
126 35.4 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 22.861 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062759.D

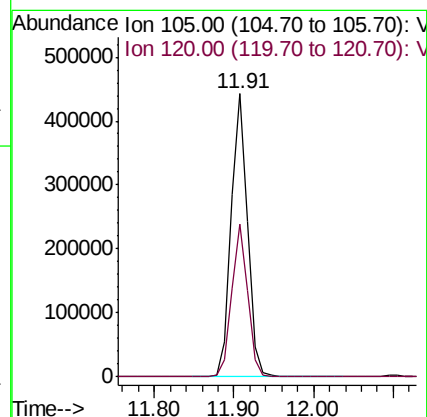
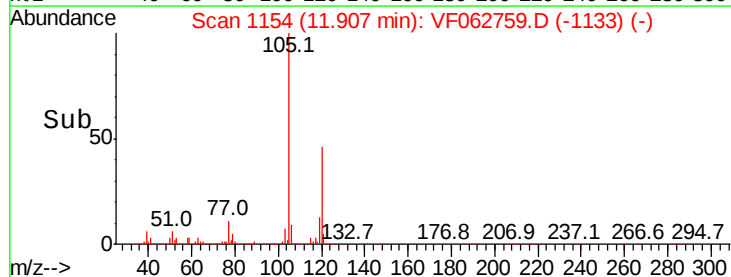
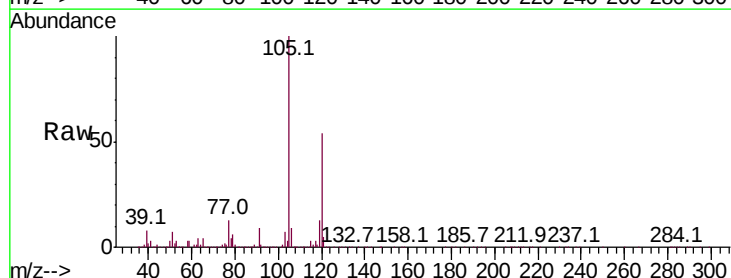
Acq: 28 May 2019 14:28

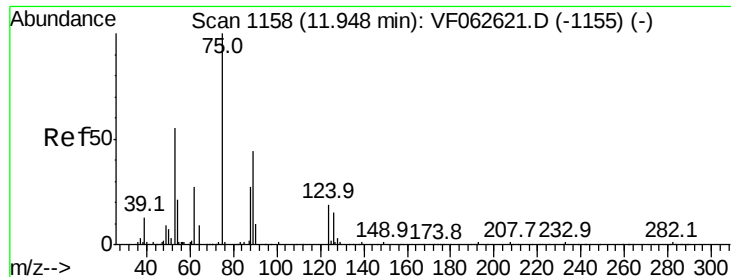
Tgt Ion: 105 Resp: 643694

Ion Ratio Lower Upper

105 100

120 54.1 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.647 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

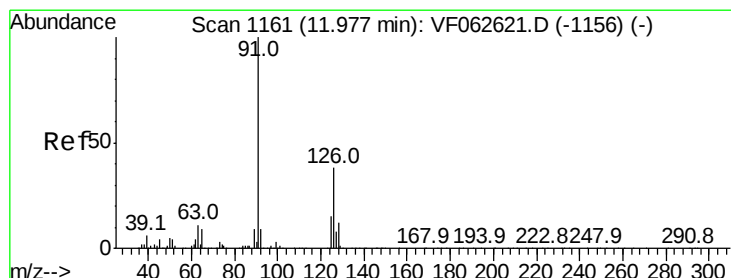
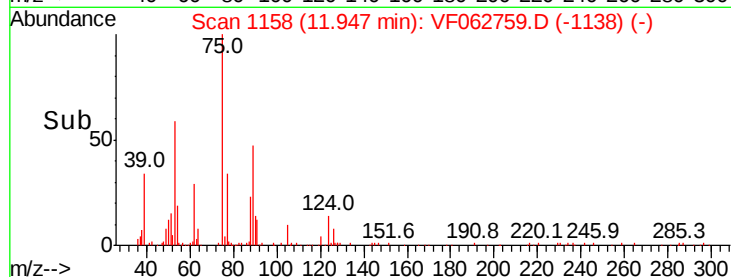
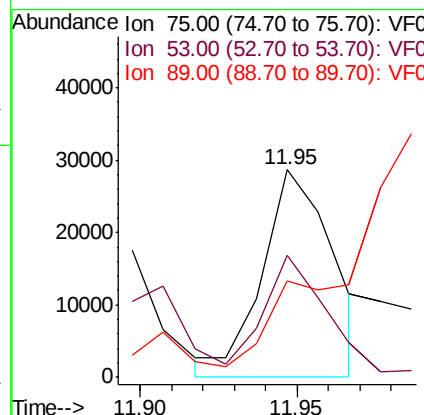
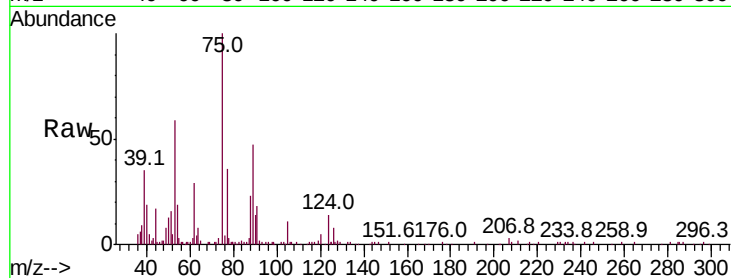
ClientSampleId :

VF0528SBS02

Tot Ion:	75	Resp:	45372
Ion Ratio	Lower	Upper	
75	100		
53	58.6	46.9	70.3
89	46.6	36.4	54.6

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#82

4-Chlorotoluene

Concen: 22.432 ug/l

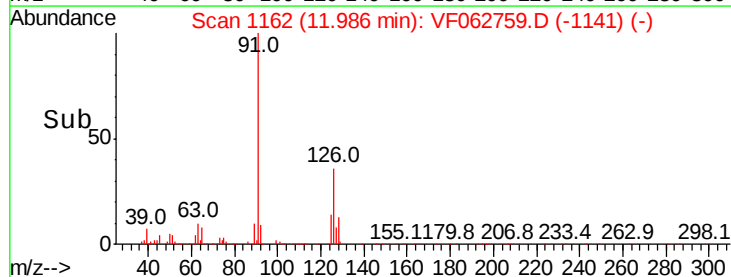
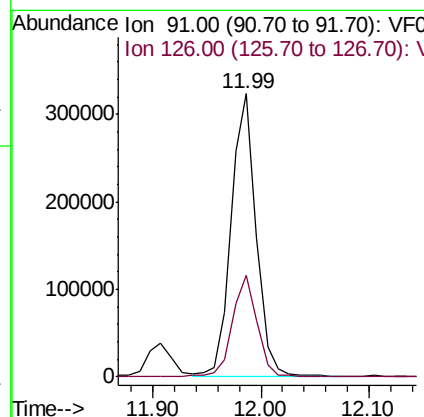
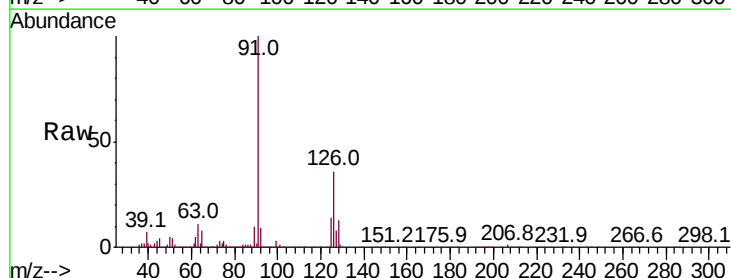
RT: 11.99 min Scan# 1162

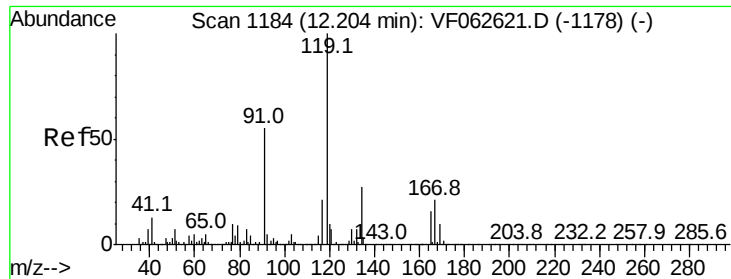
Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	91	Resp:	518091
Ion Ratio	Lower	Upper	
91	100		
126	36.1	19.1	57.1





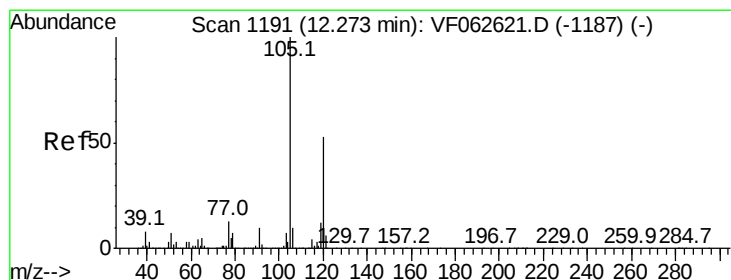
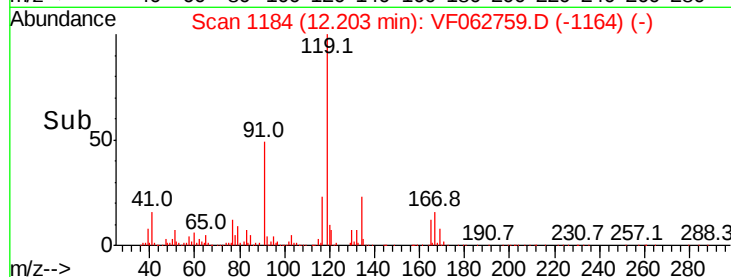
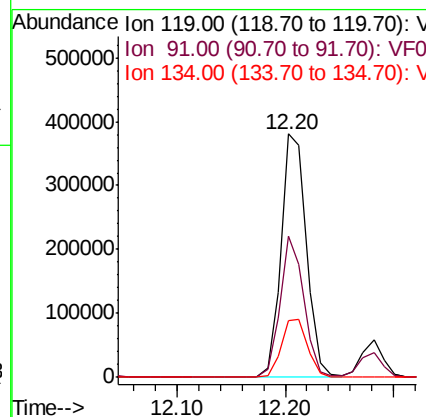
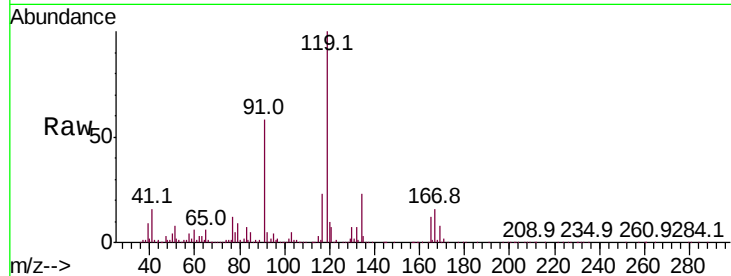
#83
tert-Butylbenzene
Concen: 21.895 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	625477		
91	58.1	27.3	81.9	
134	23.1	13.6	40.7	

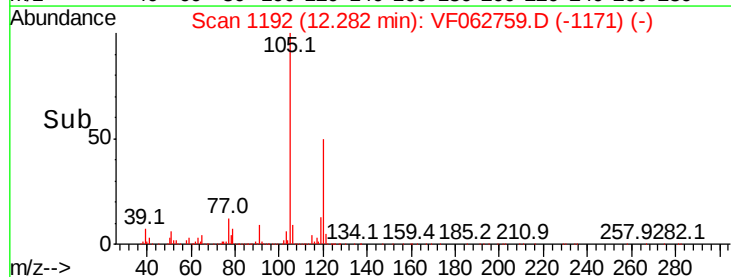
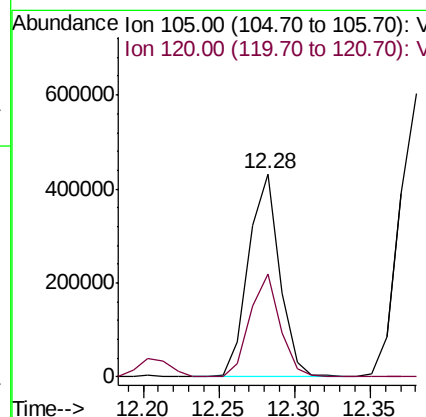
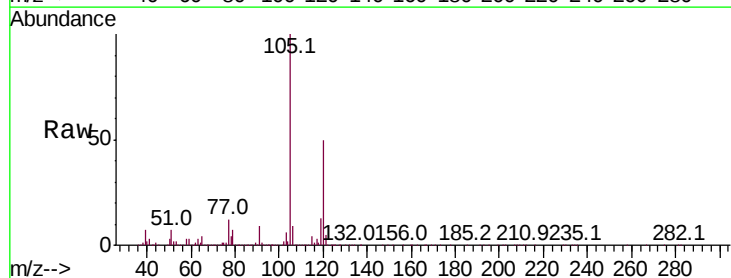
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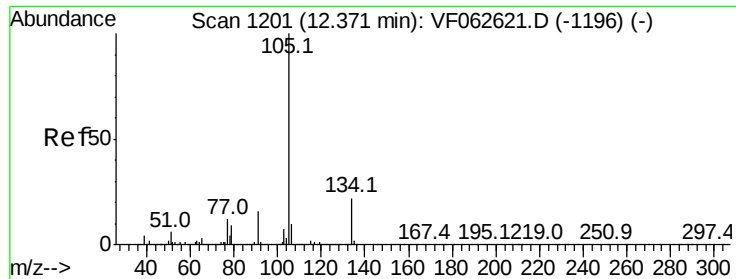
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#84
1,2,4-Trimethylbenzene
Concen: 22.645 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	617120		
120	50.5	26.7	80.1	





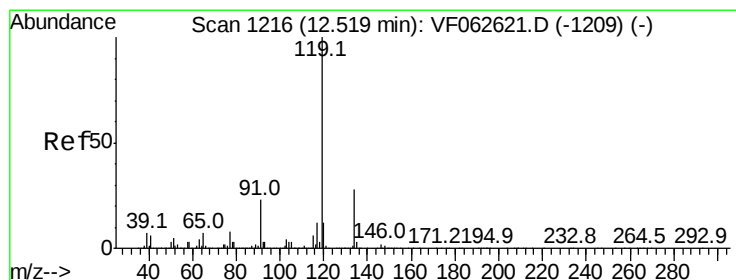
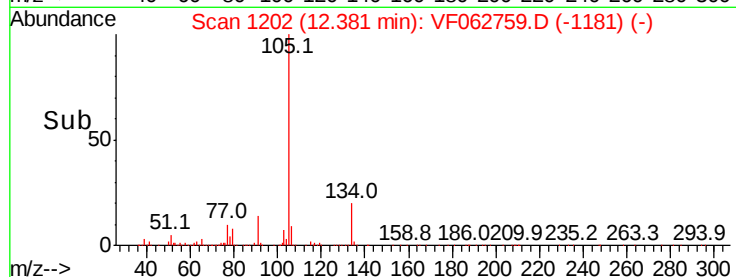
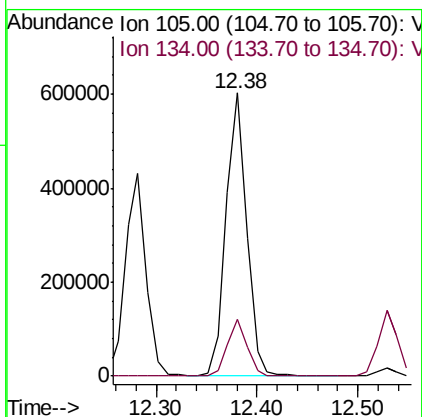
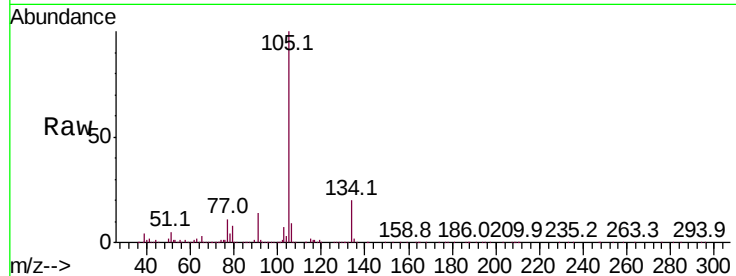
#85
 sec-Butylbenzene
 Concen: 22.256 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	853248		
134	20.2	10.8	32.4	

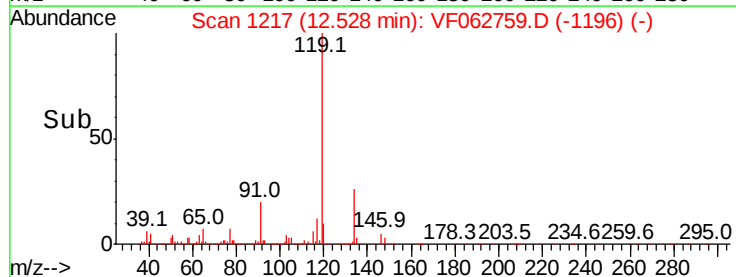
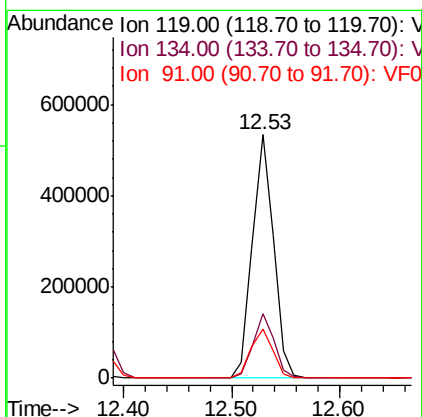
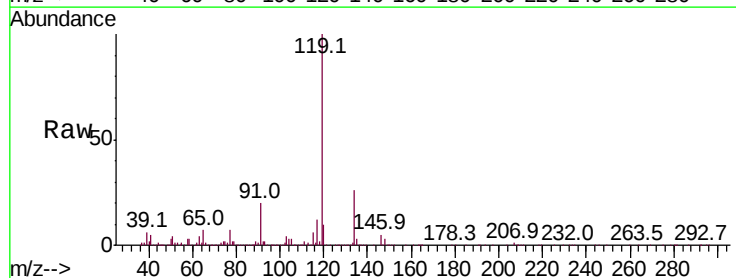
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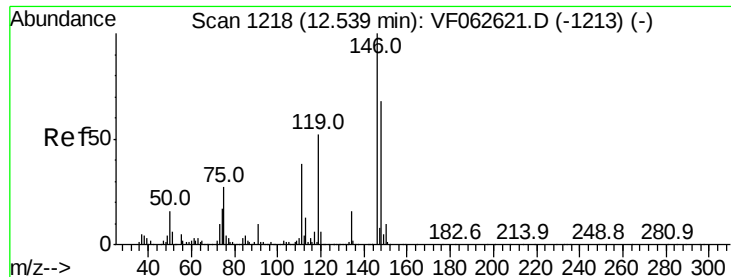
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#86
 p-Isopropyltoluene
 Concen: 22.641 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	731513		
134	26.2	14.1	42.3	
91	20.0	11.4	34.2	





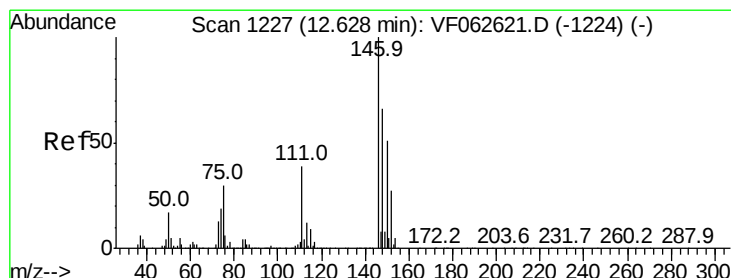
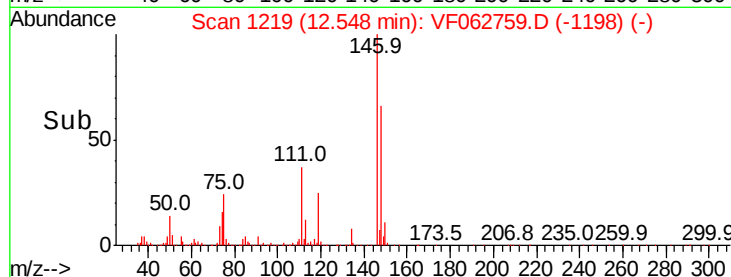
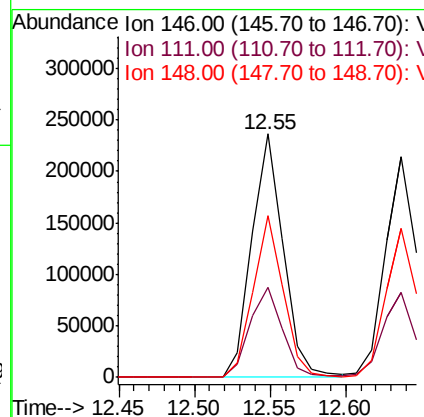
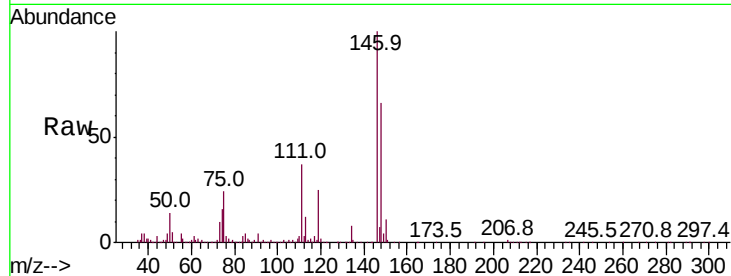
#87
 1,3-Dichlorobenzene
 Concen: 21.808 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.9
148	66.4	34.0	101.8

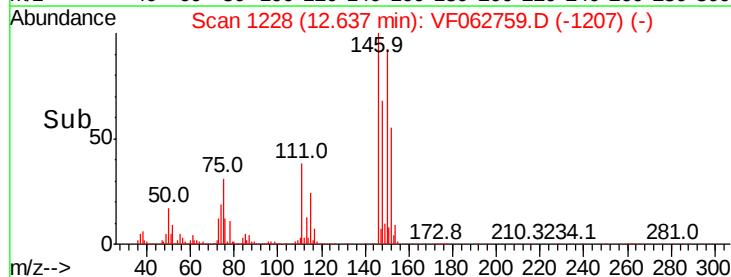
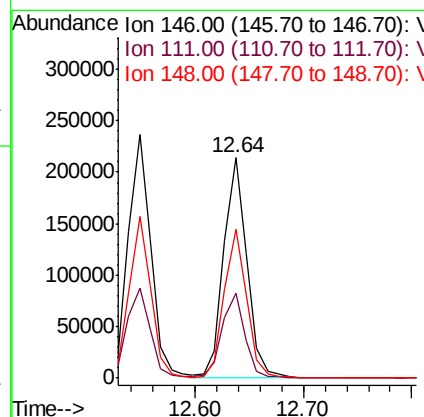
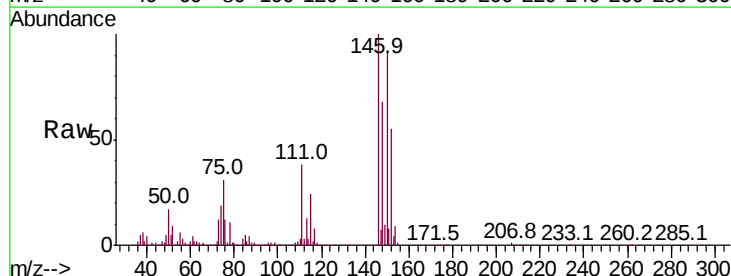
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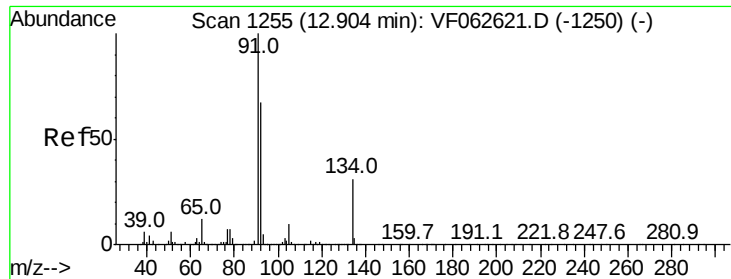
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#88
 1,4-Dichlorobenzene
 Concen: 21.548 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062759.D
 Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	67.6	33.2	99.6





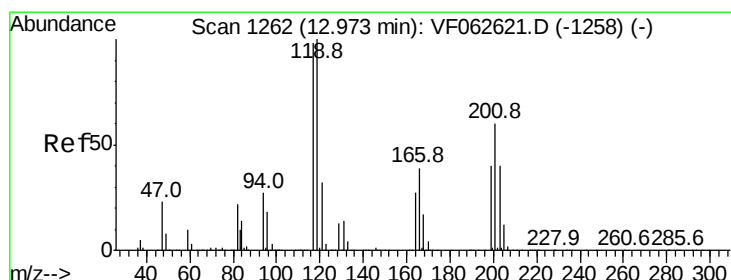
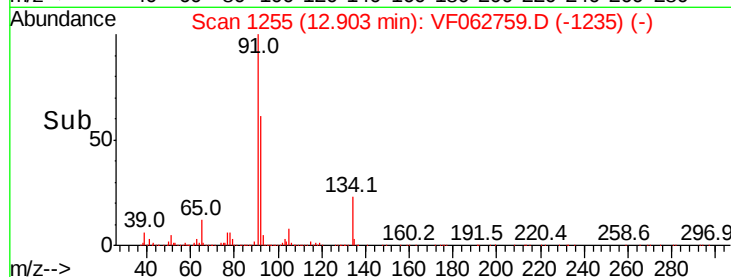
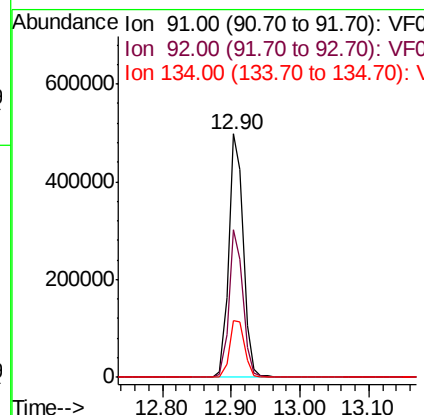
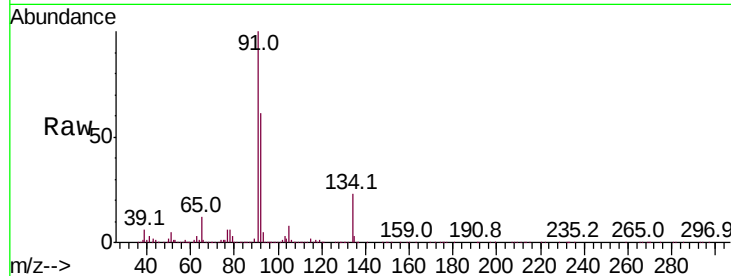
#89
n-Butylbenzene
Concen: 22.858 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.6	33.3	99.8
134	23.2	15.4	46.4

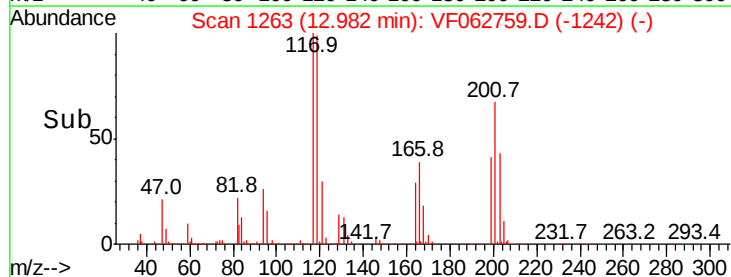
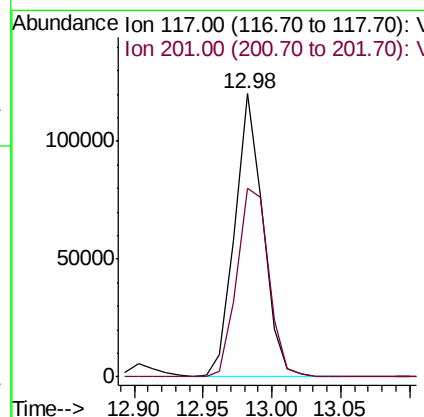
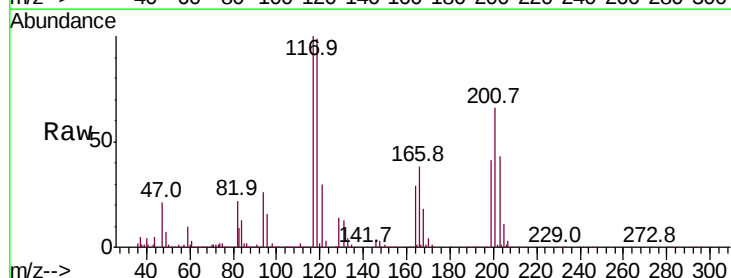
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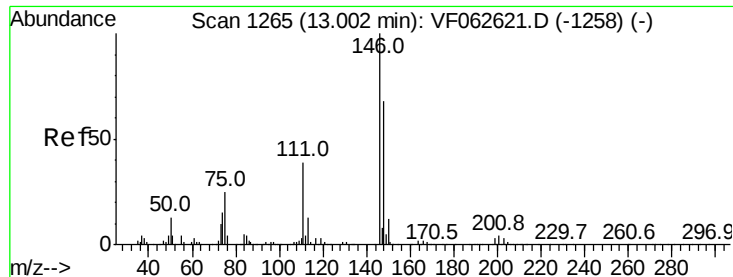
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#90
Hexachloroethane
Concen: 22.118 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.9	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 22.339 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

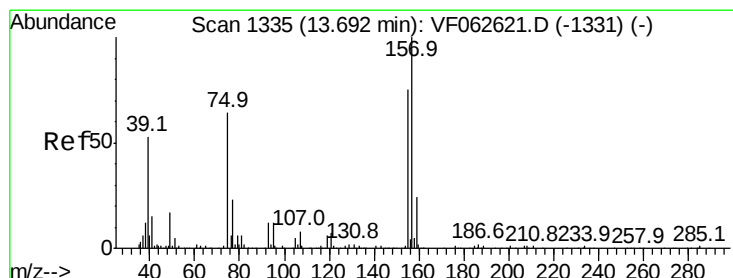
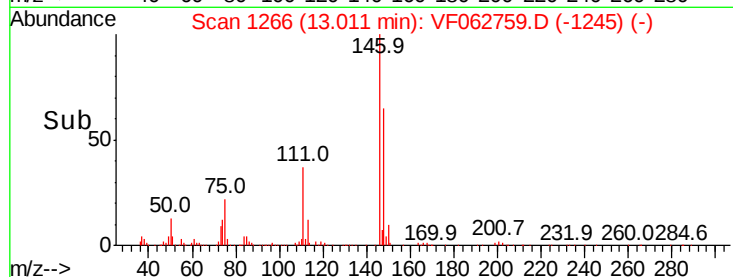
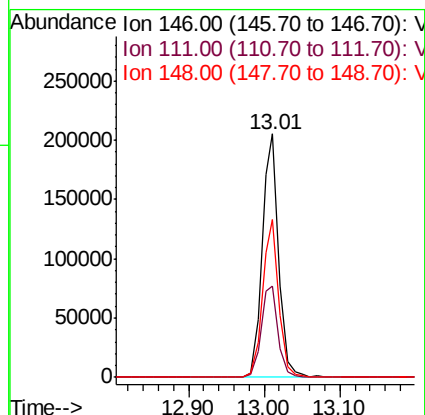
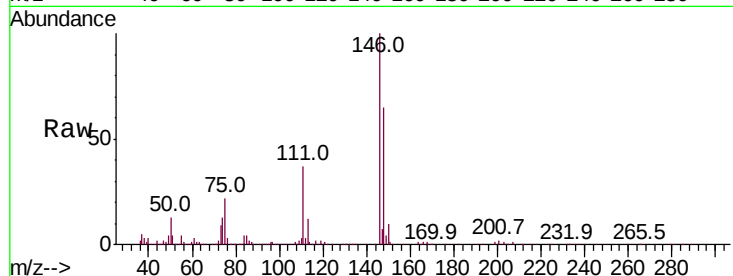
ClientSampleId :

VF0528SBS02

Tot Ion:	146	Resp:	314466
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.8	59.3
148	65.0	34.1	102.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.087 ug/l

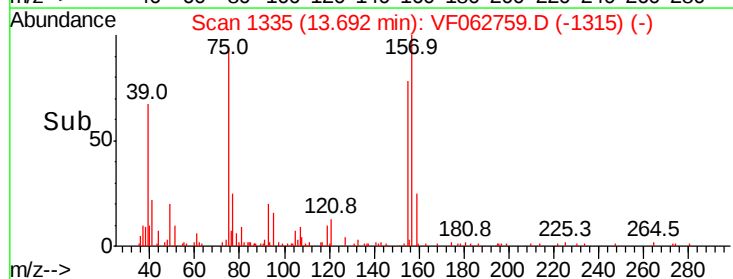
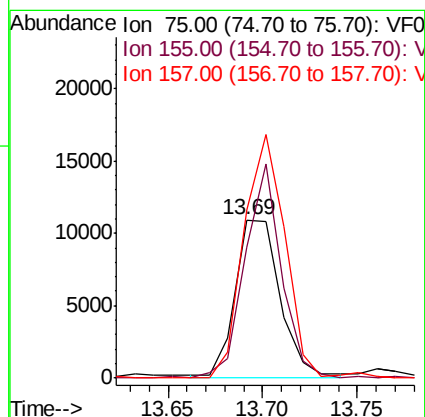
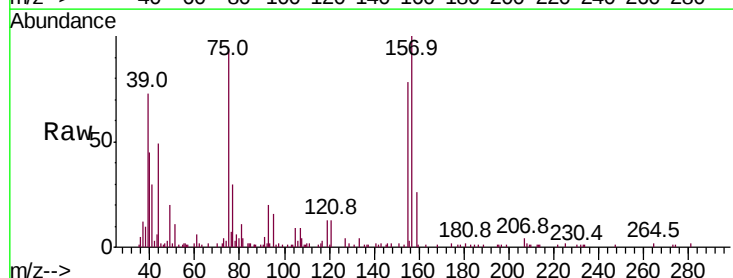
RT: 13.69 min Scan# 1335

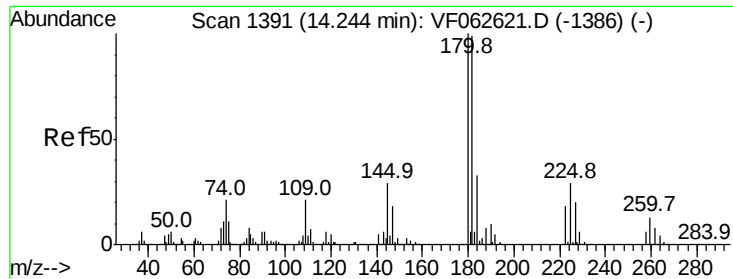
Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	75	Resp:	18053
Ion Ratio	Lower	Upper	
75	100		
155	82.5	58.1	174.3
157	106.1	77.8	233.4





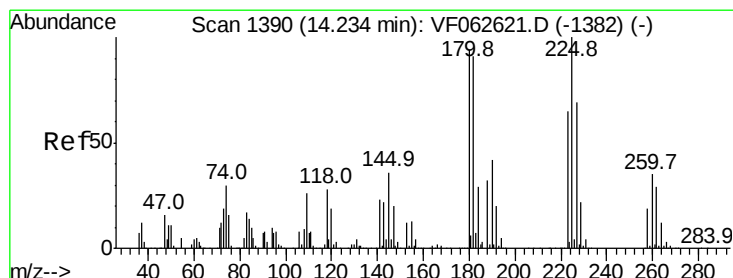
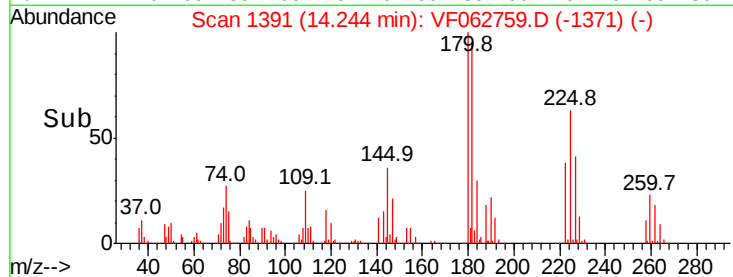
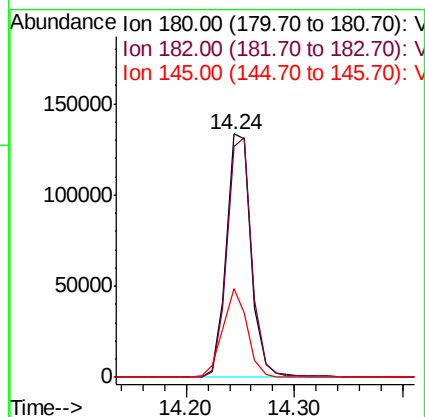
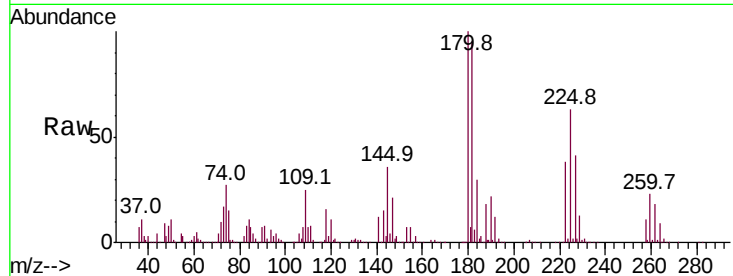
#93
1,2,4-Trichlorobenzene
Concen: 21.151 ug/l
RT: 14.24 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213119		
182	94.9	49.7	149.1	
145	36.4	14.6	44.0	

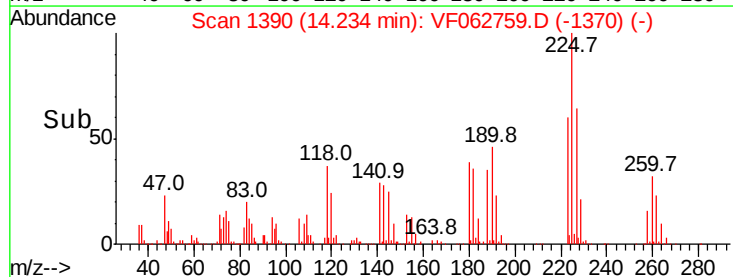
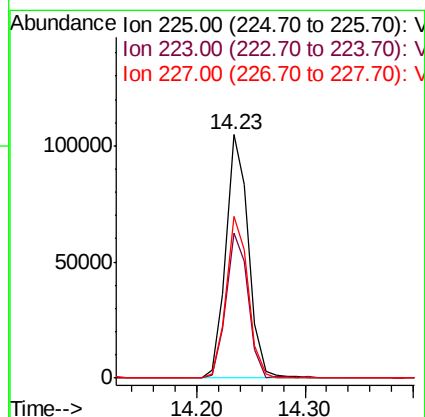
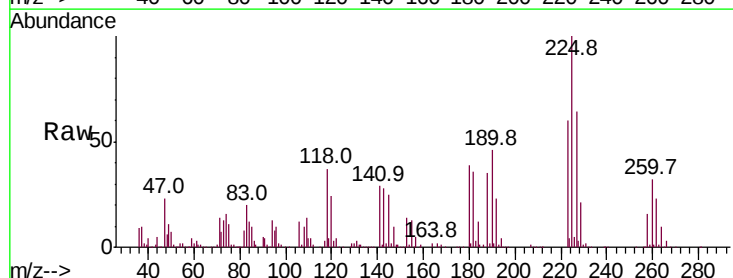
Manual Integrations
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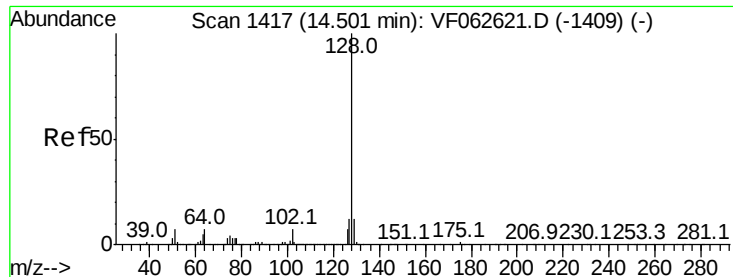
MMDadoda
5/29/2019 11:02:12 AM



#94
Hexachlorobutadiene
Concen: 21.668 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VF062759.D
Acq: 28 May 2019 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152367		
223	59.7	32.5	97.4	
227	66.5	34.5	103.5	





#95

Naphthalene

Concen: 18.526 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Instrument :

MSVOA_F

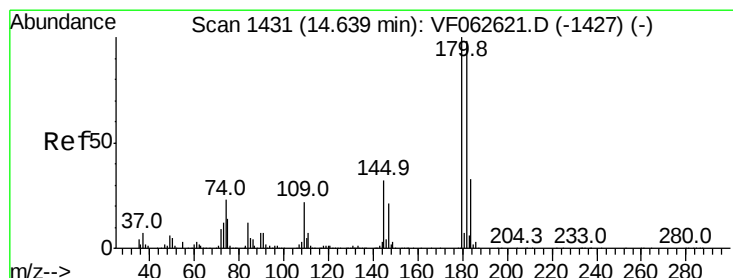
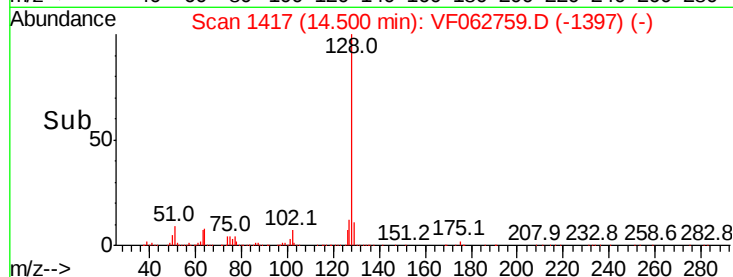
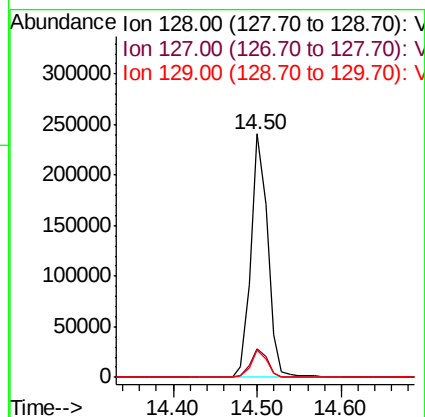
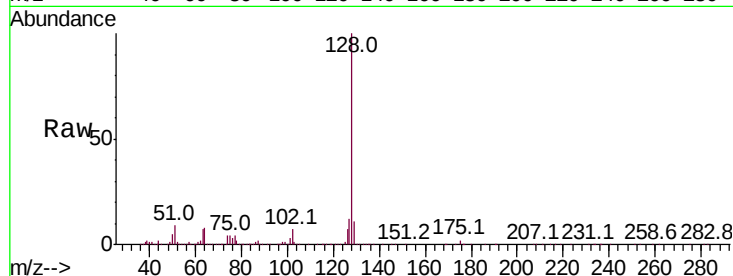
ClientSampleId :

VF0528SBS02

Tot Ion:	128	Resp:	339121
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.7	14.5
129	11.3	9.3	13.9

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 21.372 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062759.D

Acq: 28 May 2019 14:28

Tgt Ion:	180	Resp:	203973
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.9	146.7
145	27.7	16.1	48.2

