

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062839.D
 Acq On : 4 Jun 2019 15:24
 Operator : FY/SY
 Sample : VF0604SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:48:59 AM

Quant Time: Jun 05 05:50:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	863907	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1464359	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	1123424	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	523553	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	315227	52.77	ug/l	-0.02
Spiked Amount						
			Recovery	=	105.54%	
35) Dibromofluoromethane	4.31	113	559570	50.57	ug/l	-0.02
Spiked Amount						
			Recovery	=	101.14%	
50) Toluene-d8	7.71	98	1330213	47.54	ug/l	-0.02
Spiked Amount						
			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.50	95	483443	48.03	ug/l	-0.01
Spiked Amount						
			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	239734	22.124	ug/l	97
3) Chloromethane	1.15	50	194804	21.793	ug/l	99
4) Vinyl Chloride	1.20	62	189268	21.307	ug/l	98
5) Bromomethane	1.40	94	101999	20.134	ug/l	91
6) Chloroethane	1.45	64	66031	19.882	ug/l	92
7) Trichlorofluoromethane	1.56	101	257049	20.441	ug/l	97
8) Diethyl Ether	1.72	74	47219	19.085	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.92	101	168127	21.265	ug/l	95
10) Methyl Iodide	1.98	142	338469	21.351	ug/l	98
11) Tert butyl alcohol	2.71	59	36823	101.750	ug/l	99
12) 1,1-Dichloroethene	1.89	96	147092	20.489	ug/l	89
13) Acrolein	2.10	56	11881	76.500	ug/l	95
14) Allyl chloride	2.20	41	116035	20.834	ug/l	94
15) Acrylonitrile	3.09	53	101273	74.473	ug/l	96
16) Acetone	2.35	43	110910	81.116	ug/l	97
17) Carbon Disulfide	1.93	76	411666	19.619	ug/l	95
18) Methyl Acetate	2.47	43	43487	18.200	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	255292	19.628	ug/l	99
20) Methylene Chloride	2.35	84	148959m	19.962	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	151379	21.030	ug/l	98
22) Diisopropyl ether	2.94	45	304192	19.224	ug/l	97
23) Vinyl Acetate	3.35	43	1094688	101.052	ug/l	98
24) 1,1-Dichloroethane	3.01	63	246634	20.876	ug/l	96
25) 2-Butanone	4.54	43	287146	90.180	ug/l	97
26) 2,2-Dichloropropane	3.78	77	149253	22.249	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	252253	20.848	ug/l	96
28) Bromochloromethane	3.91	49	124150	19.318	ug/l	97
29) Tetrahydrofuran	4.27	42	126191	103.618	ug/l	99
30) Chloroform	4.05	83	365798	21.969	ug/l	95
31) Cyclohexane	3.89	56	328963	20.566	ug/l	93
32) 1,1,1-Trichloroethane	4.30	97	239111	24.664	ug/l	97
36) 1,1-Dichloropropene	4.48	75	281860	20.908	ug/l	97
37) Ethyl Acetate	4.30	43	106199	20.608	ug/l #	69
38) Carbon Tetrachloride	4.19	117	195027	21.406	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	348132	20.749	ug/l	95
40) Benzene	4.82	78	828954	21.128	ug/l	99
41) Methacrylonitrile	4.94	41	55109	19.237	ug/l #	88
42) 1,2-Dichloroethane	5.13	62	152918	20.493	ug/l	98
43) Isopropyl Acetate	7.11	43	135876	19.960	ug/l #	91
44) Trichloroethene	5.69	130	238344	21.525	ug/l	98
45) 1,2-Dichloropropane	6.41	63	195817	19.889	ug/l	100
46) Dibromomethane	6.26	93	120256	20.920	ug/l	87
47) Bromodichloromethane	6.56	83	238590	20.381	ug/l	94
48) Methyl methacrylate	6.88	41	69776	19.889	ug/l	96
49) 1,4-Dioxane	6.87	88	18258	394.822	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	492207	101.275	ug/l	99
52) Toluene	7.78	92	446121	21.111	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	195410	20.144	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	290116	20.660	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	130899	20.734	ug/l	96
56) Ethyl methacrylate	8.76	69	142979	21.108	ug/l	95
57) 1,3-Dichloropropane	8.99	76	225466	21.870	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	260317	109.961	ug/l	93
59) 2-Hexanone	9.62	43	364855	105.324	ug/l	99
60) Dibromochloromethane	8.87	129	160451	20.529	ug/l	98
61) 1,2-Dibromoethane	9.13	107	137366	20.951	ug/l	99
64) Tetrachloroethene	8.30	164	181159	20.985	ug/l	94
65) Chlorobenzene	9.93	112	462208	21.305	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	179306	20.752	ug/l	98
67) Ethyl Benzene	10.03	91	831758	22.341	ug/l	98
68) m/p-Xylenes	10.26	106	596380	41.862	ug/l	85
69) o-Xylene	10.82	106	293195	20.327	ug/l	92
70) Styrene	10.89	104	452039	21.262	ug/l	98
71) Bromoform	10.88	173	80933	19.526	ug/l #	99
73) Isopropylbenzene	11.21	105	790710	21.645	ug/l	93
74) N-amyl acetate	11.45	43	214297	20.813	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	151681	19.443	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	101497	19.627	ug/l	91
77) Bromobenzene	11.58	156	188565	20.543	ug/l	80
78) n-propylbenzene	11.67	91	935529	21.209	ug/l	94
79) 2-Chlorotoluene	11.79	91	472137	18.707	ug/l	89
80) 1,3,5-Trimethylbenzene	11.89	105	623160	20.859	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	44467m	20.311	ug/l	
82) 4-Chlorotoluene	11.97	91	527392	21.263	ug/l	95
83) tert-Butylbenzene	12.20	119	637297	21.529	ug/l	92
84) 1,2,4-Trimethylbenzene	12.27	105	608095	21.468	ug/l	94
85) sec-Butylbenzene	12.36	105	856250	21.951	ug/l	94
86) p-Isopropyltoluene	12.51	119	705716	21.736	ug/l	94
87) 1,3-Dichlorobenzene	12.53	146	339595	20.978	ug/l	95
88) 1,4-Dichlorobenzene	12.62	146	315075	20.856	ug/l	96
89) n-Butylbenzene	12.90	91	713106	21.834	ug/l	90
90) Hexachloroethane	12.98	117	169299	21.380	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	297720	20.924	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15605	18.360	ug/l	89

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	198653	20.334	ug/l	95
94) Hexachlorobutadiene	14.23	225	140931	20.853	ug/l	97
95) Naphthalene	14.49	128	325658	20.347	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	177364	19.889	ug/l	97

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

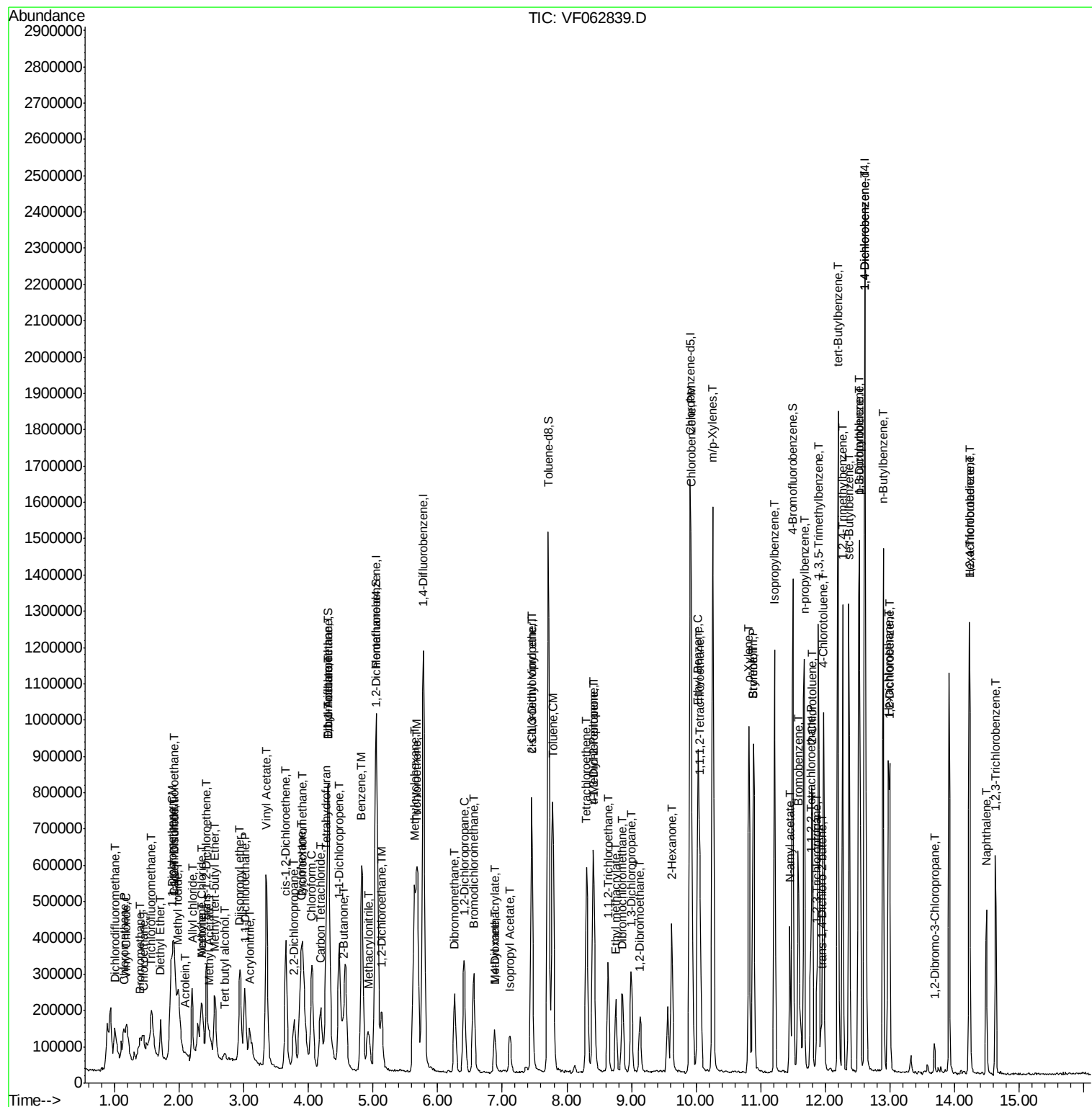
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060419\
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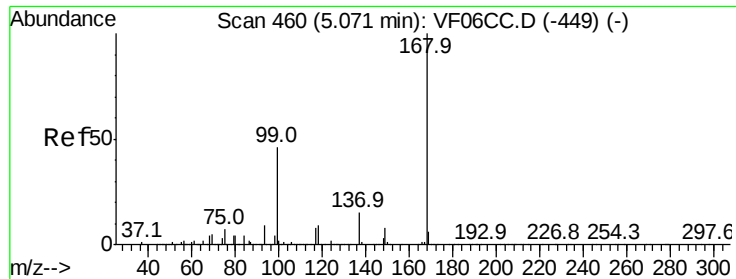
Instrument :
 MSVOA_F
 ClientSampleId :
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

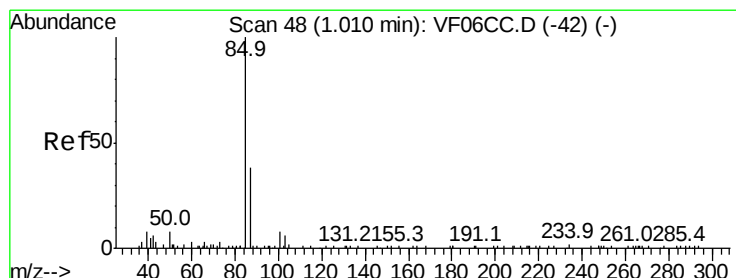
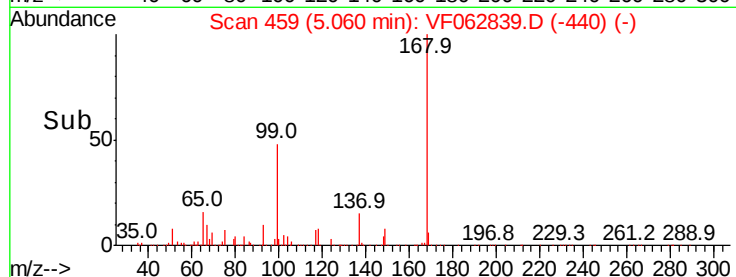
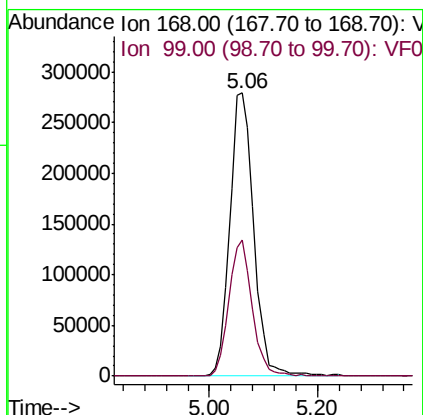
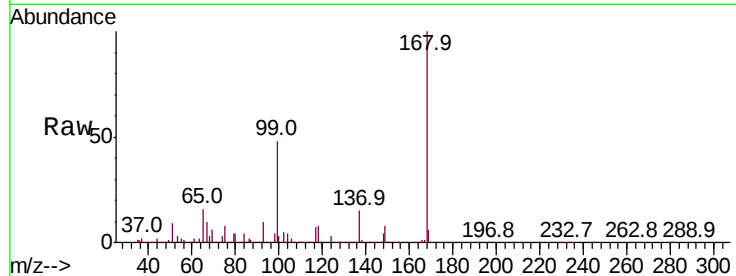
ClientSampleId :

VF0604SBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.2	39.1	58.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 22.124 ug/l

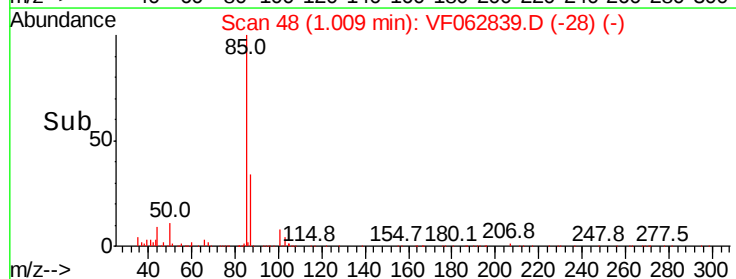
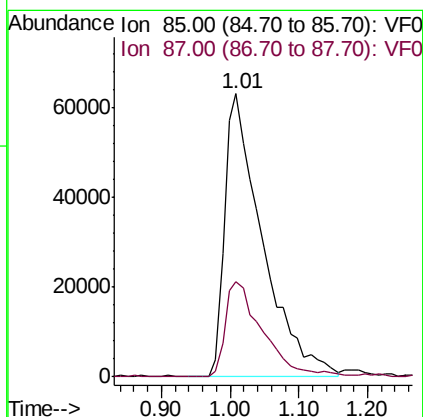
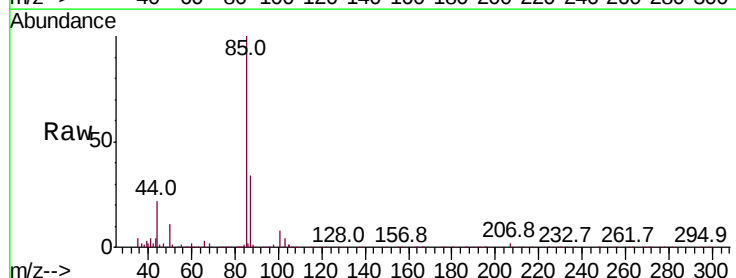
RT: 1.01 min Scan# 48

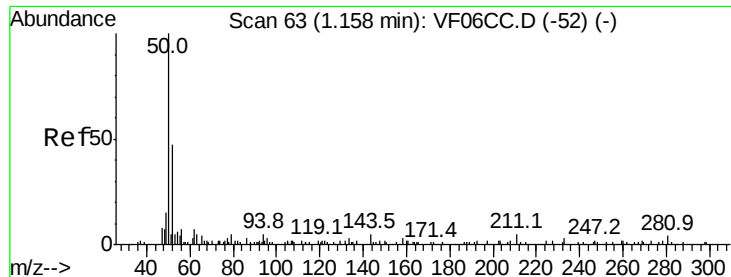
Delta R.T. -0.00 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	17.6	52.9





#3

Chloromethane

Concen: 21.793 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 50 Resp: 194804

Ion Ratio Lower Upper

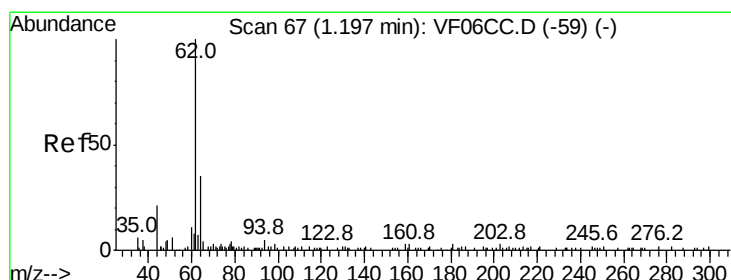
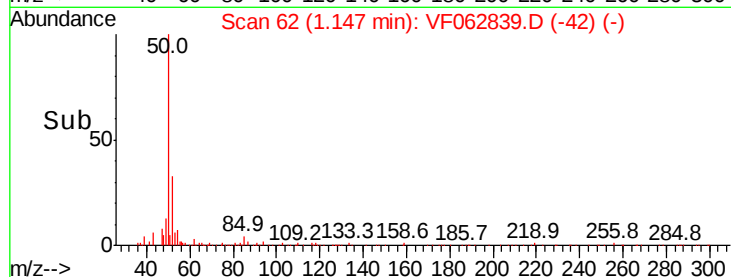
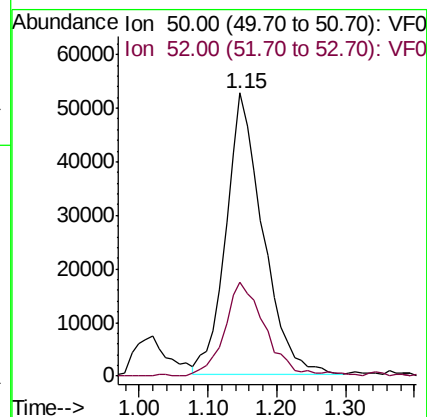
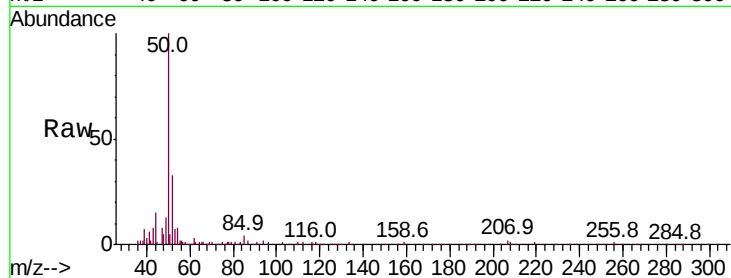
50 100

52 33.3 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.307 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062839.D

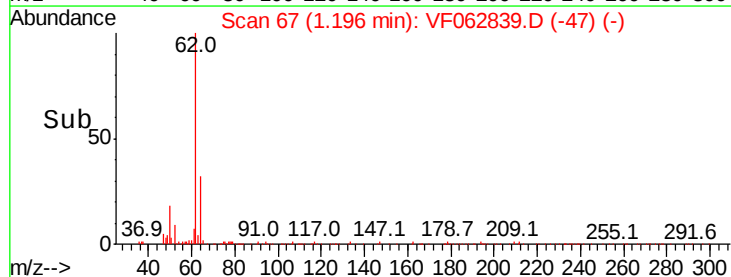
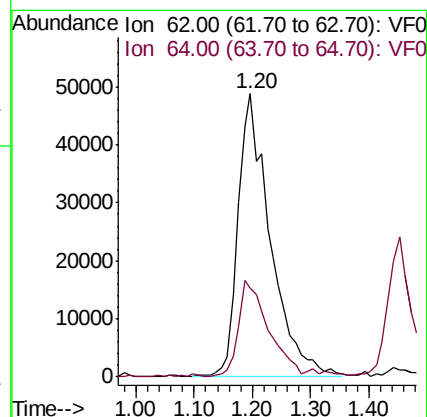
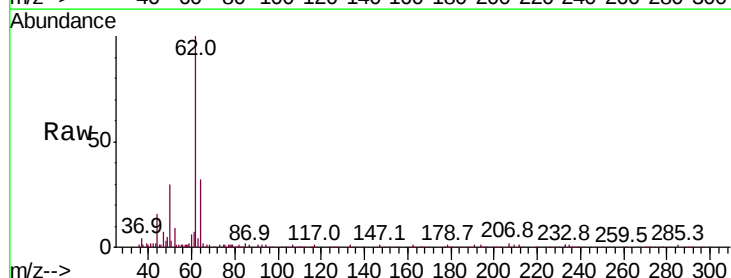
Acq: 4 Jun 2019 15:24

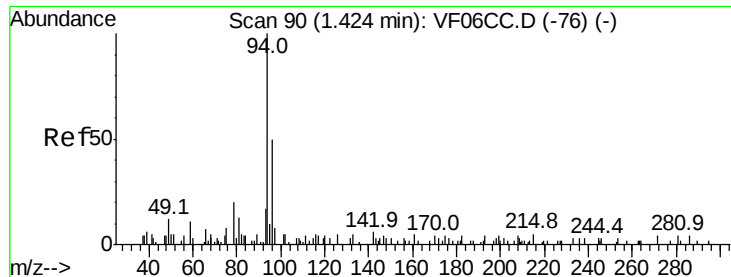
Tgt Ion: 62 Resp: 189268

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 20.134 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 94 Resp: 101999

Ion Ratio Lower Upper

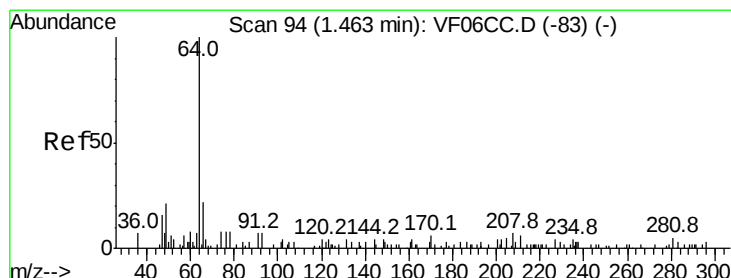
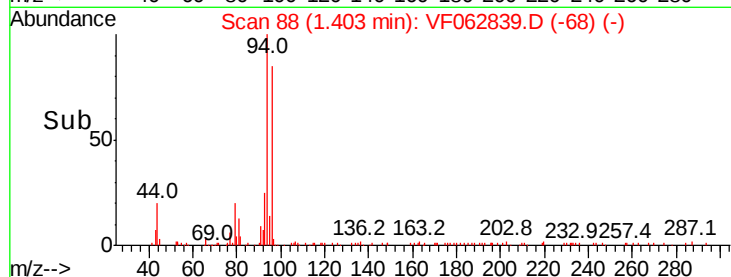
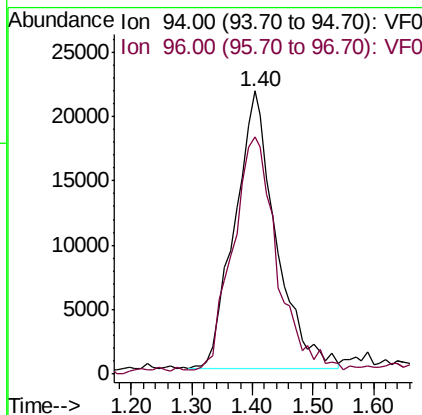
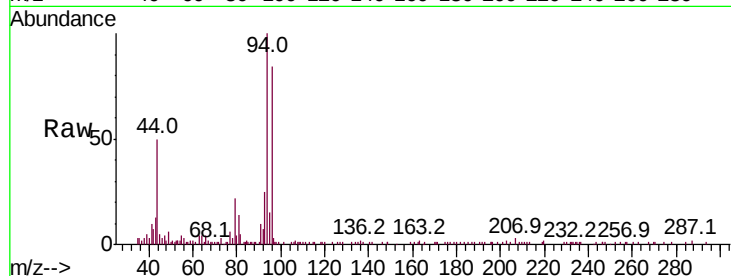
94 100

96 83.7 73.8 110.6

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#6

Chloroethane

Concen: 19.882 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062839.D

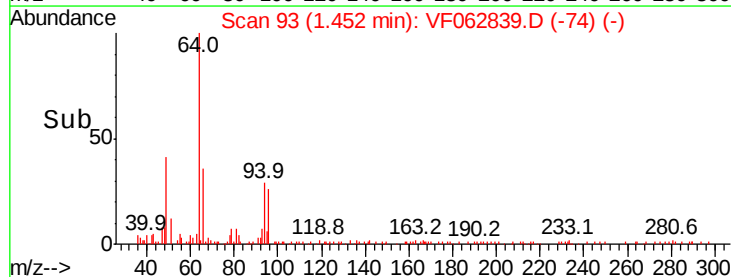
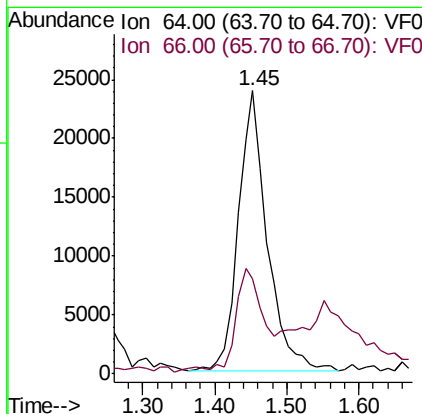
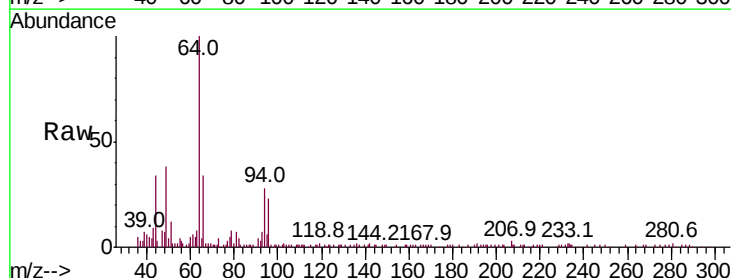
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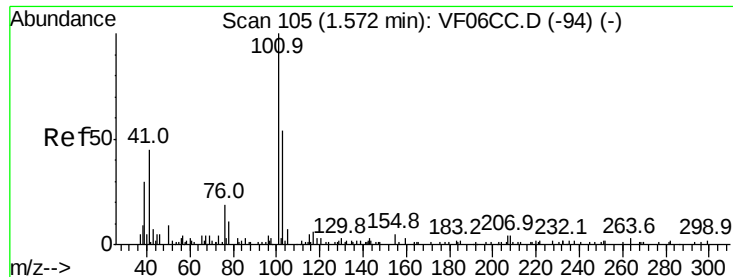
Tgt Ion: 64 Resp: 66031

Ion Ratio Lower Upper

64 100

66 33.8 31.0 46.4





#7

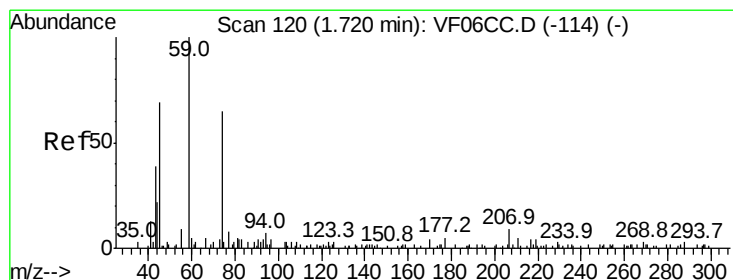
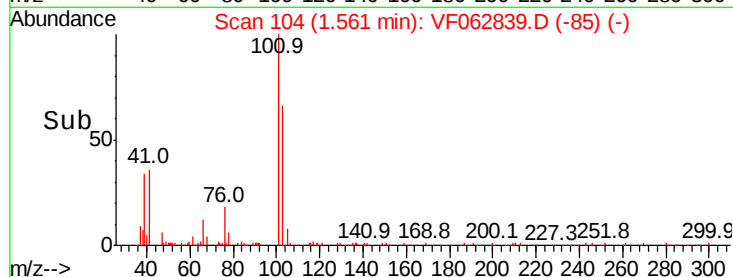
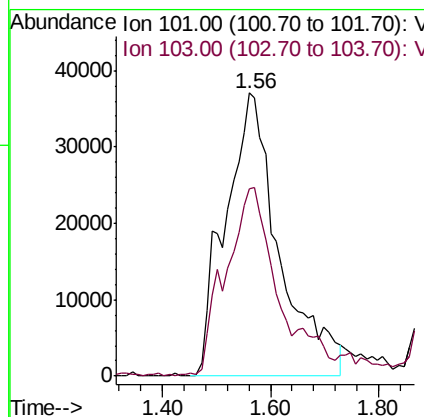
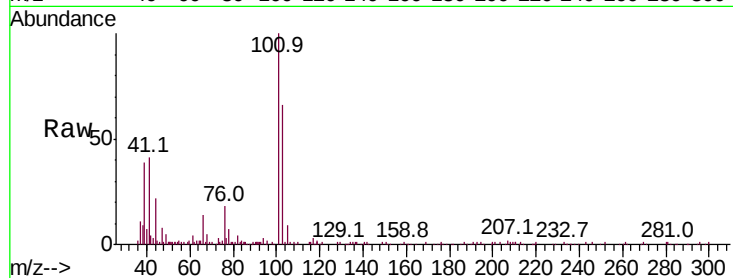
Trichlorofluoromethane
 Concen: 20.441 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. -0.01 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Instrument :
 MSVOA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	54.6	82.0

Manual Integrations
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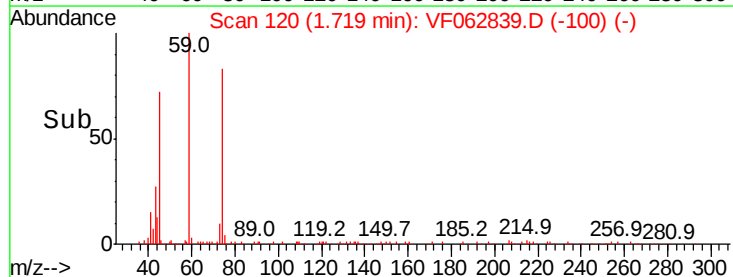
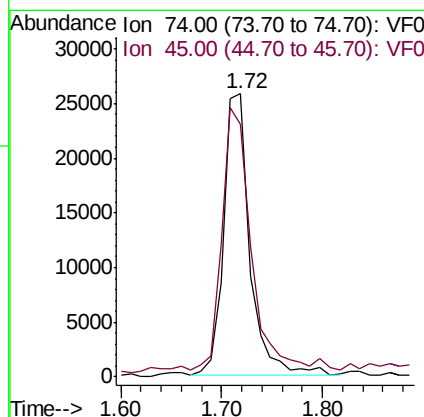
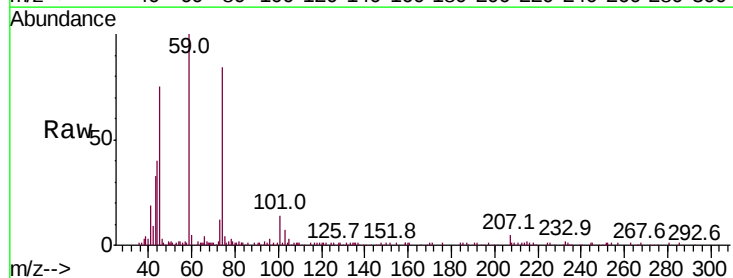
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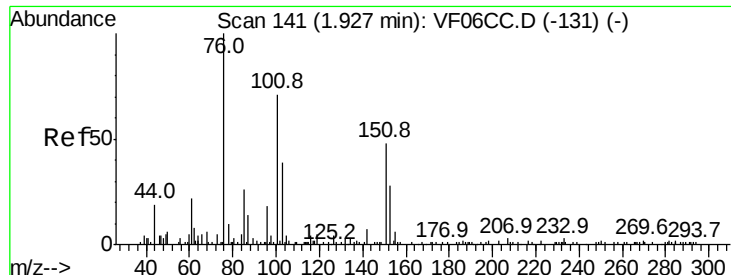


#8

Diethyl Ether
 Concen: 19.085 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.2	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.265 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

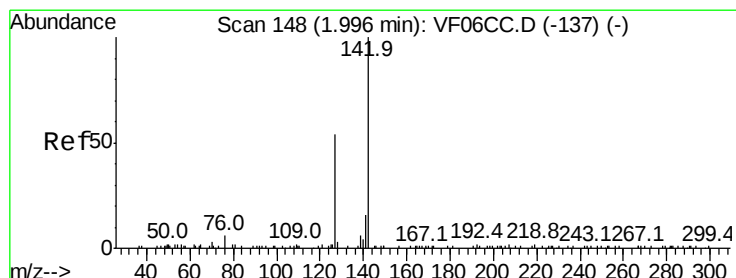
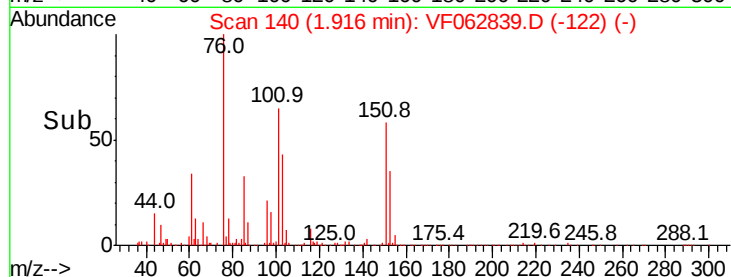
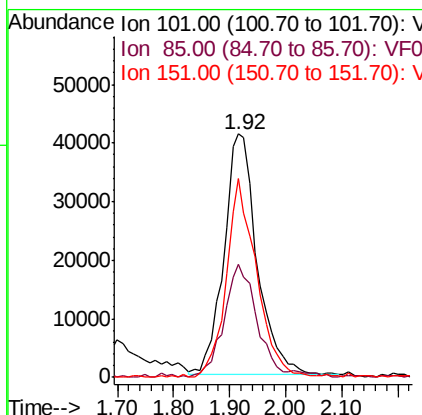
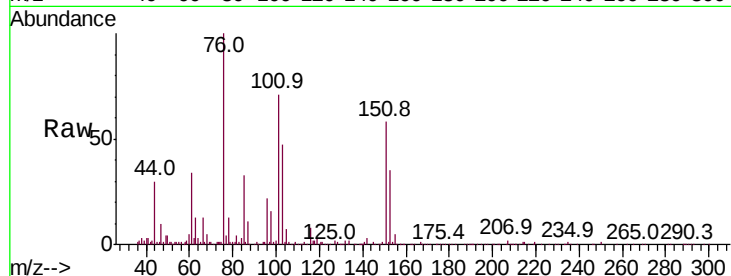
ClientSampleId :

VF0604SBS01

Tot Ion:	101	Resp:	168127
Ion Ratio	Lower	Upper	
101	100		
85	46.6	37.1	55.7
151	81.6	60.3	90.5

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#10

Methyl Iodide

Concen: 21.351 ug/l

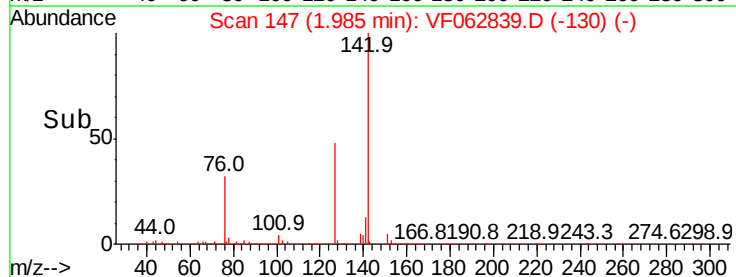
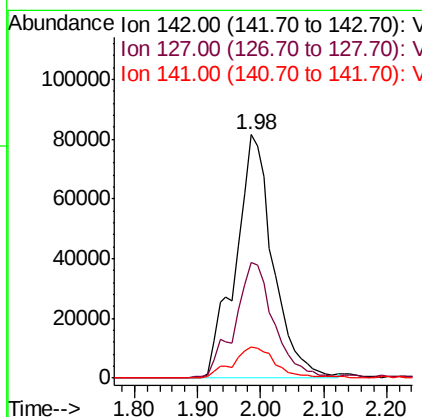
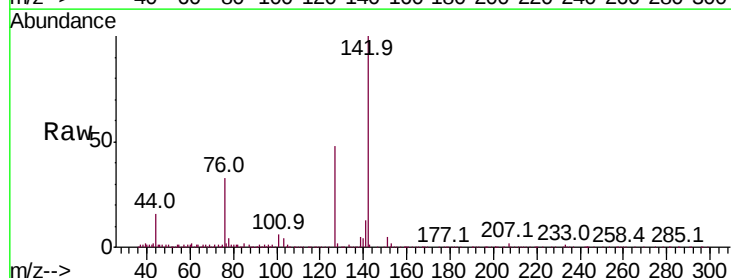
RT: 1.98 min Scan# 147

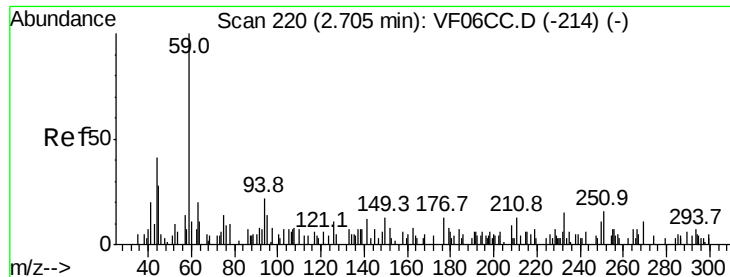
Delta R.T. -0.03 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion:	142	Resp:	338469
Ion Ratio	Lower	Upper	
142	100		
127	47.7	39.4	59.2
141	12.9	10.6	15.8





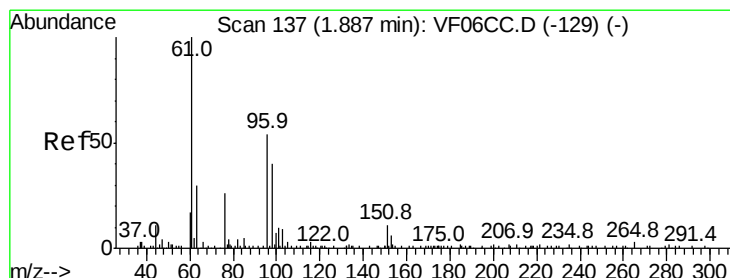
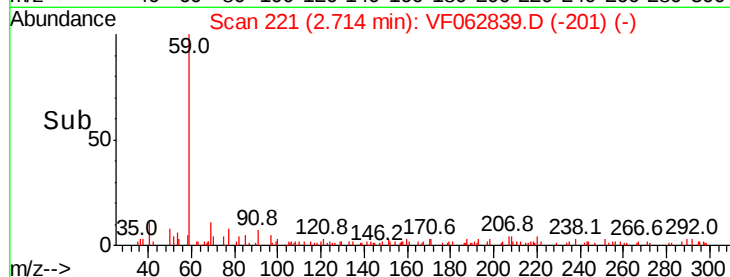
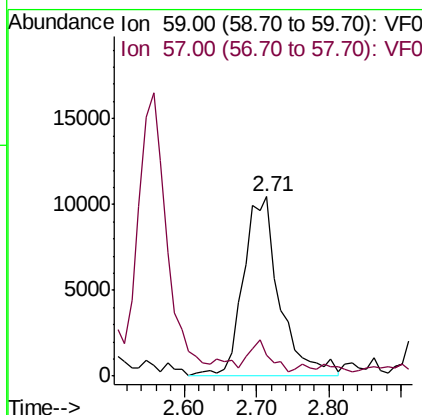
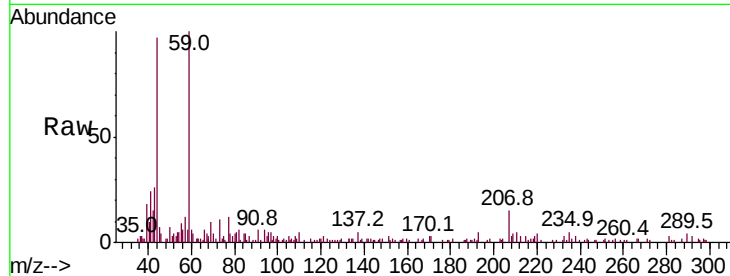
#11
Tert butyl alcohol
Concen: 101.750 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	59	Resp	36823
Ion Ratio	100	Lower	Upper
57	11.9	9.2	13.8

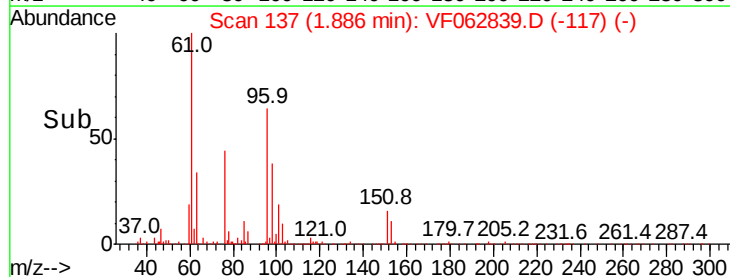
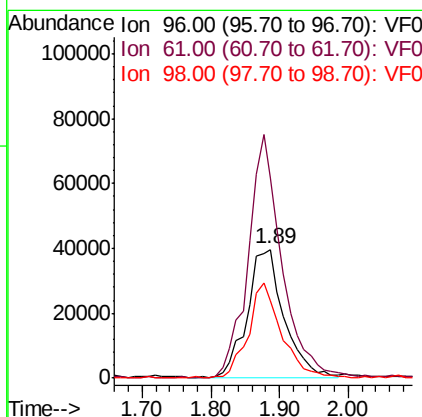
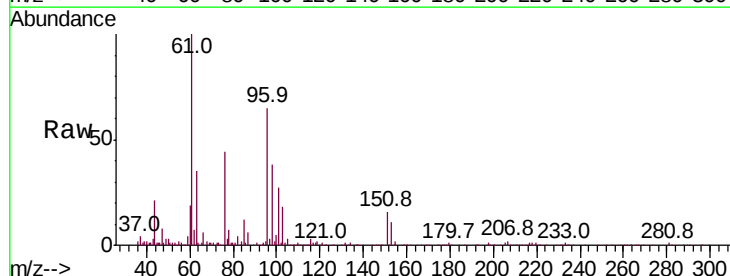
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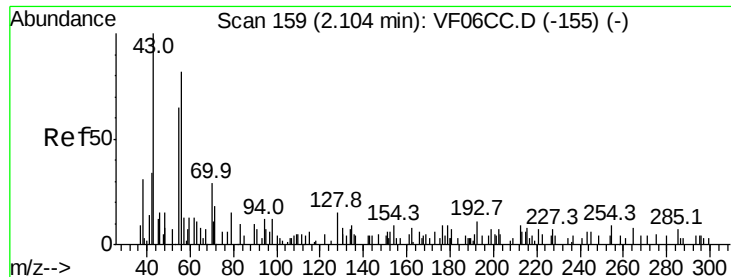
MMDadoda
6/6/2019 8:48:59 AM



#12
1,1-Dichloroethene
Concen: 20.489 ug/l
RT: 1.89 min Scan# 137
Delta R.T. -0.00 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	96	Resp	147092
Ion Ratio	100	Lower	Upper
61	154.9	139.4	209.2
98	59.6	50.3	75.5





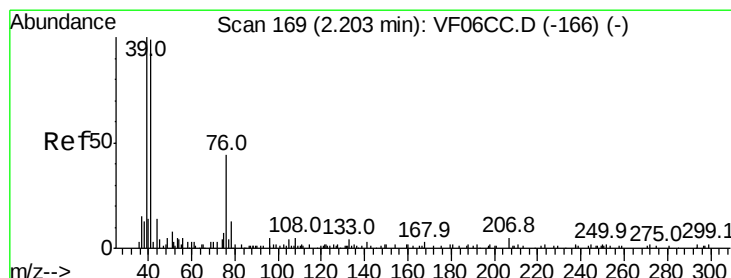
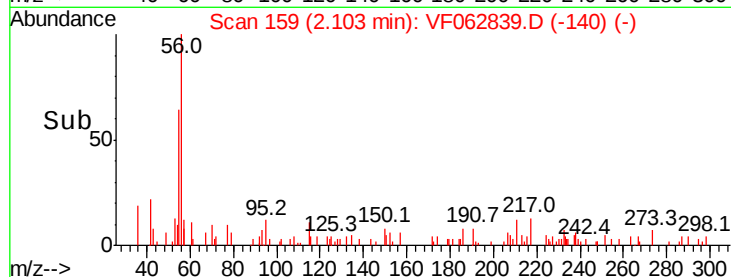
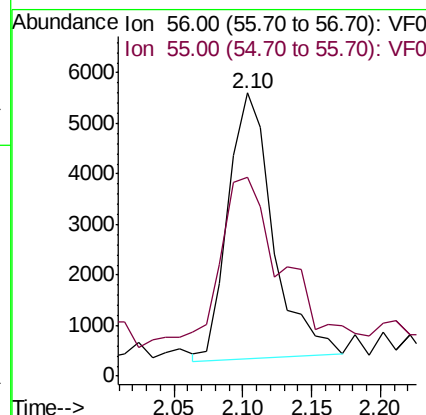
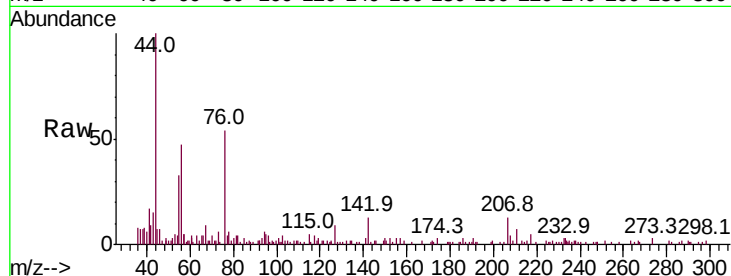
#13
Acrolein
Concen: 76.500 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	56	Resp	11881
Ion	Ratio	Lower	Upper
56	100		
55	70.2	52.9	79.3

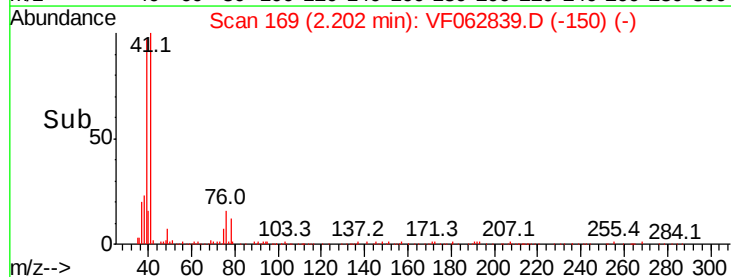
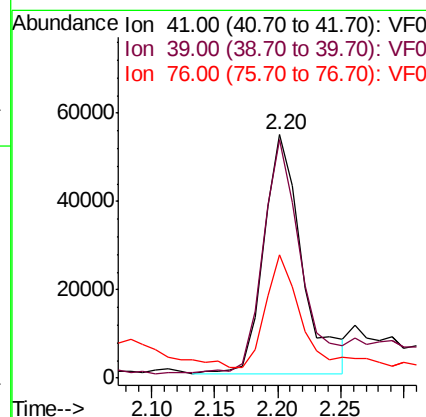
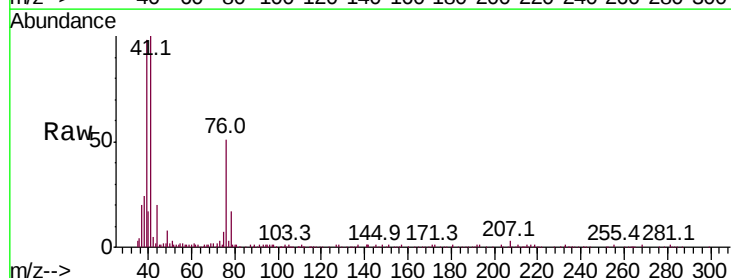
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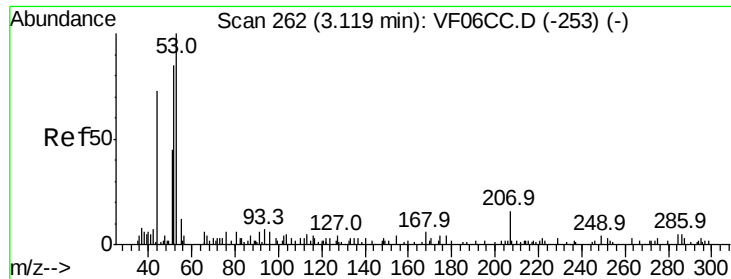
MMDadoda
6/6/2019 8:48:59 AM



#14
Allyl chloride
Concen: 20.834 ug/l
RT: 2.20 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	41	Resp	116035
Ion	Ratio	Lower	Upper
41	100		
39	98.1	71.9	107.9
76	50.7	39.6	59.4





#15

Acrylonitrile

Concen: 74.473 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

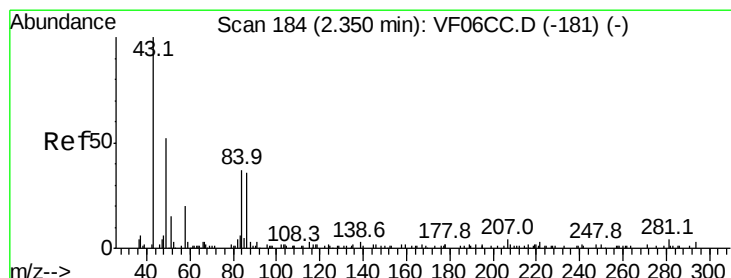
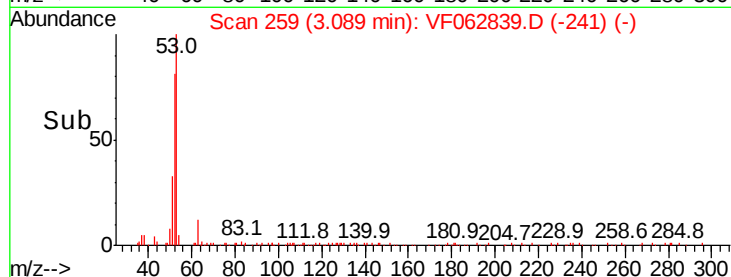
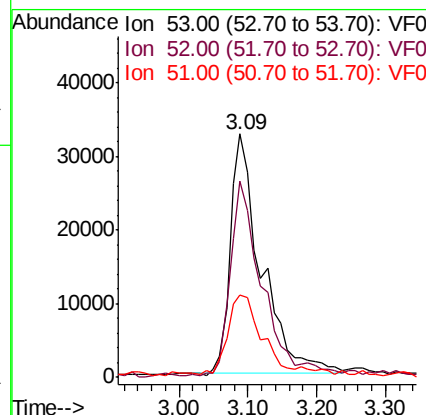
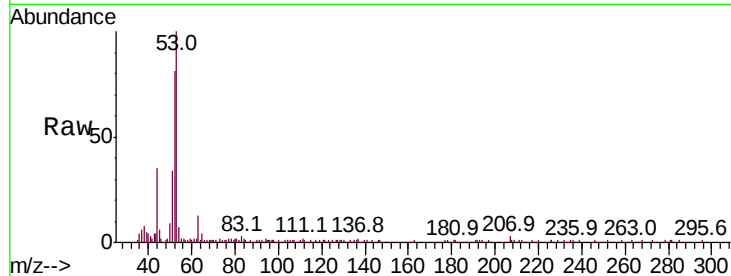
ClientSampleId :

VF0604SBS01

Tot Ion:	53	Resp:	101273
Ion Ratio		Lower	Upper
53	100		
52	80.8	68.1	102.1
51	33.9	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 81.116 ug/l

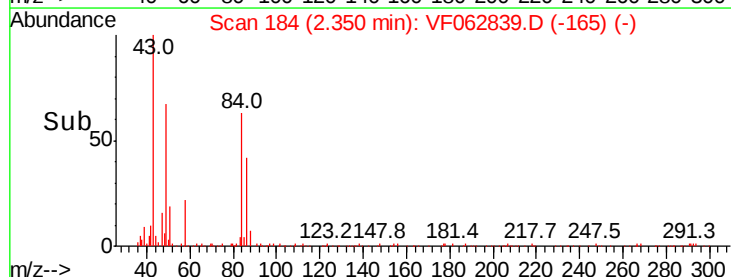
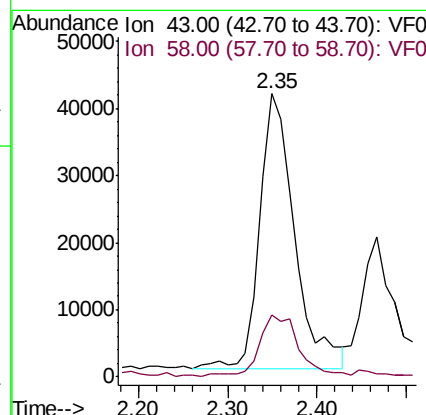
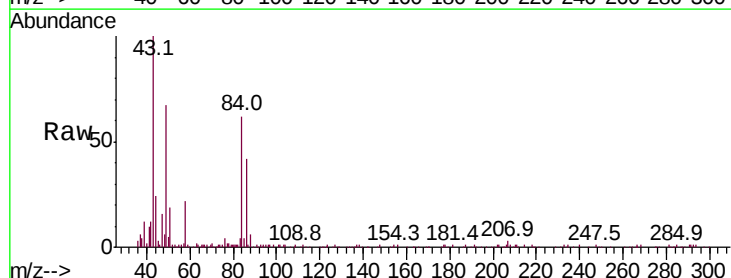
RT: 2.35 min Scan# 184

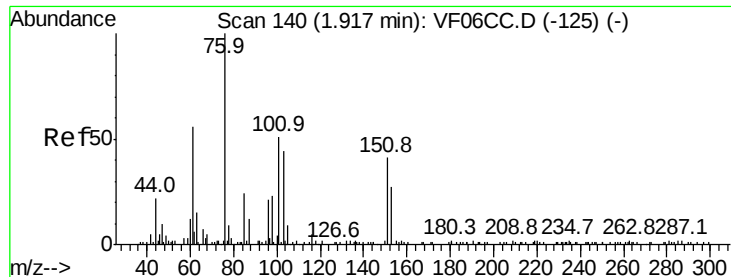
Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion:	43	Resp:	110910
Ion Ratio		Lower	Upper
43	100		
58	22.0	19.0	28.4





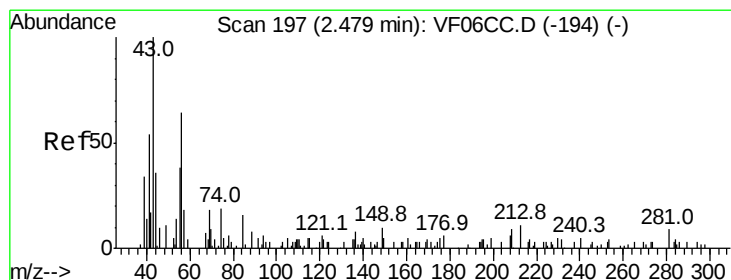
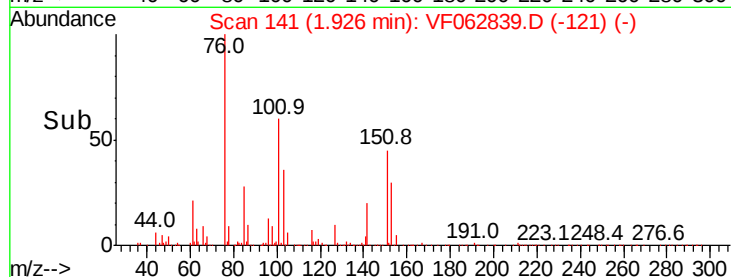
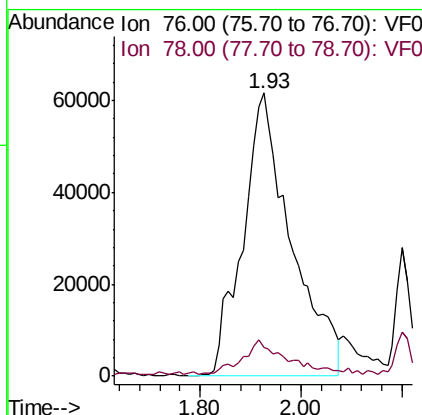
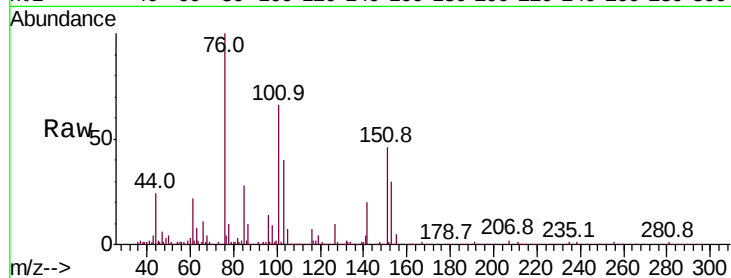
#17
Carbon Disulfide
Concen: 19.619 ug/l
RT: 1.93 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion: 76 Resp: 411666
Ion Ratio Lower Upper
76 100
78 10.0 9.4 14.2

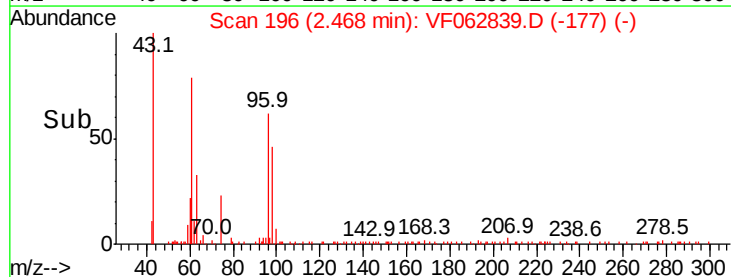
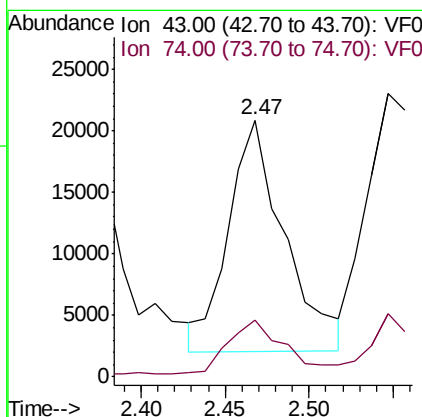
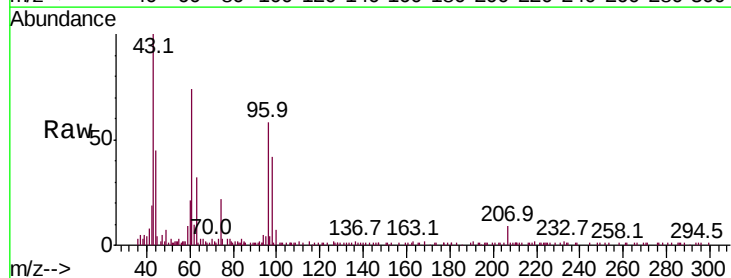
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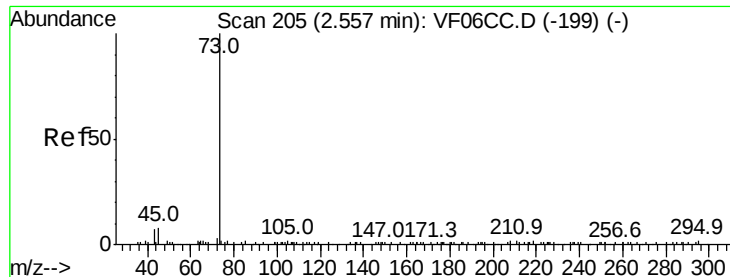
MMDadoda
6/6/2019 8:48:59 AM



#18
Methyl Acetate
Concen: 18.200 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion: 43 Resp: 43487
Ion Ratio Lower Upper
43 100
74 22.2 22.1 33.1





#19

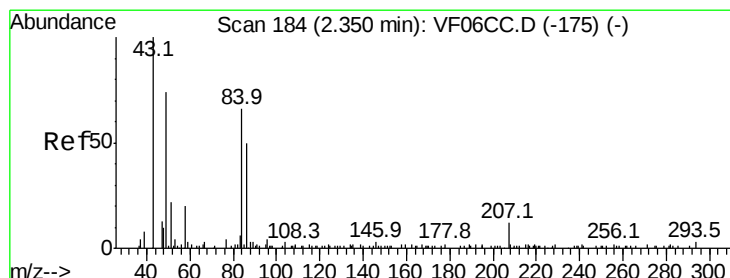
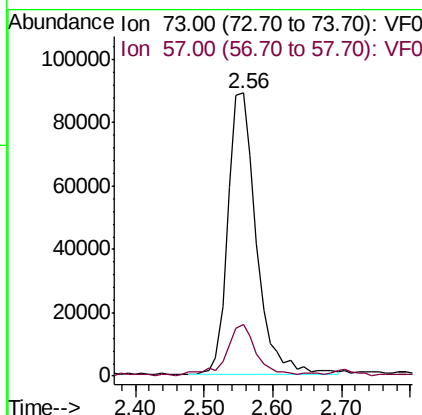
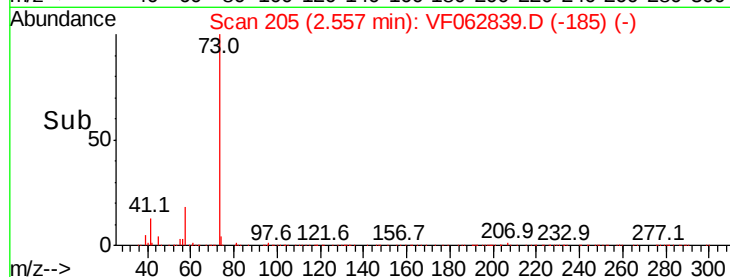
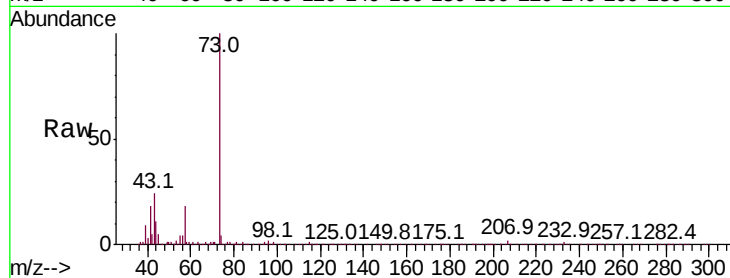
Methyl tert-butyl Ether
 Concen: 19.628 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	15.1	22.7

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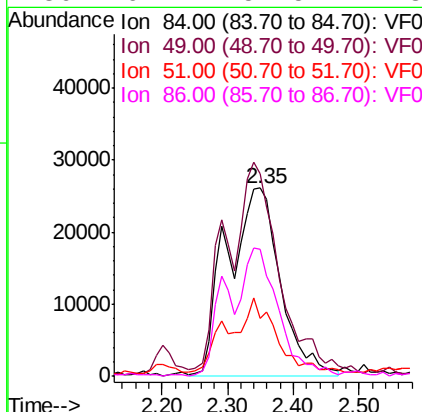
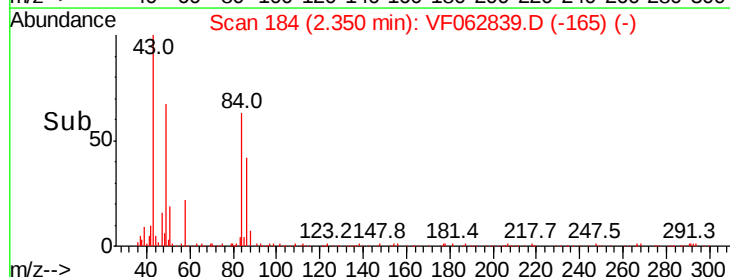
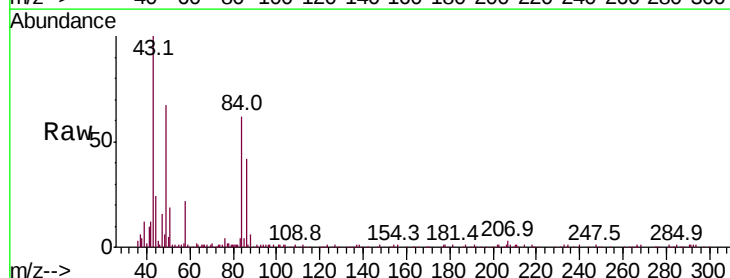
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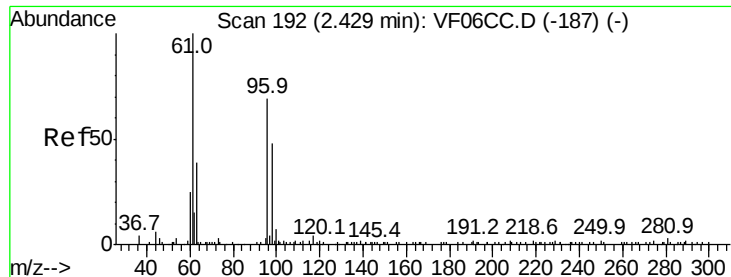


#20

Methylene Chloride
 Concen: 19.962 ug/l m
 RT: 2.35 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.6	82.6	123.8
51	31.0	25.0	37.4
86	67.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 21.030 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 96 Resp: 151379

Ion Ratio Lower Upper

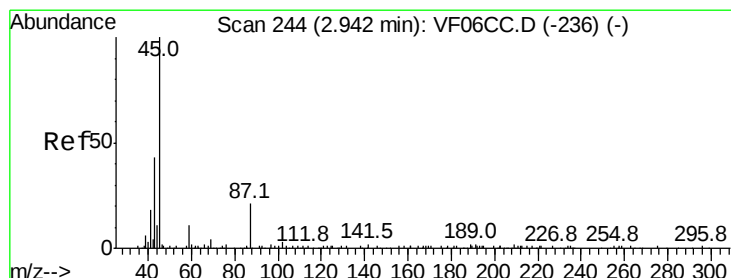
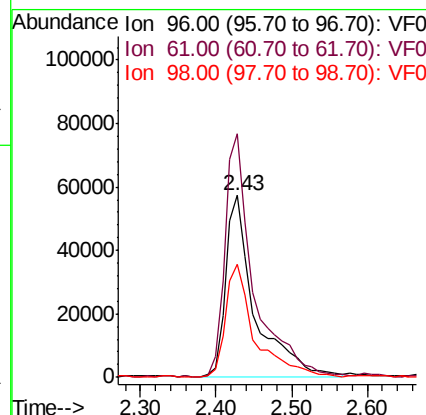
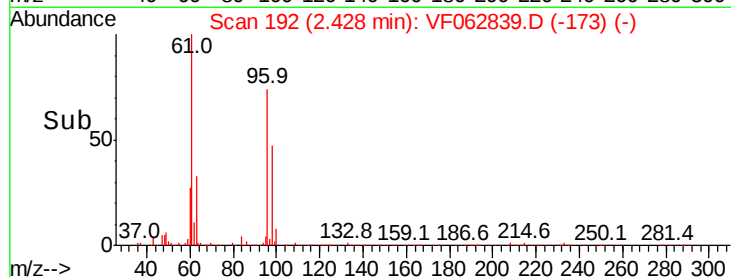
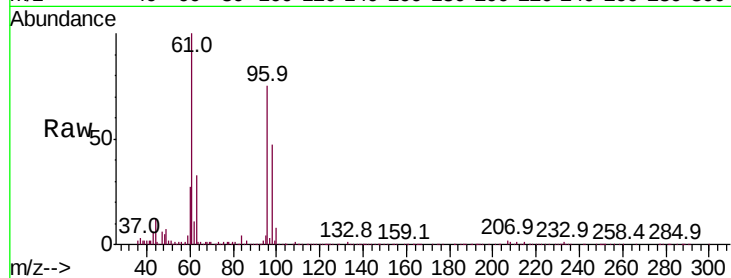
96 100

61 133.8 105.0 157.6

98 62.5 51.1 76.7

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#22

Diisopropyl ether

Concen: 19.224 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion: 45 Resp: 304192

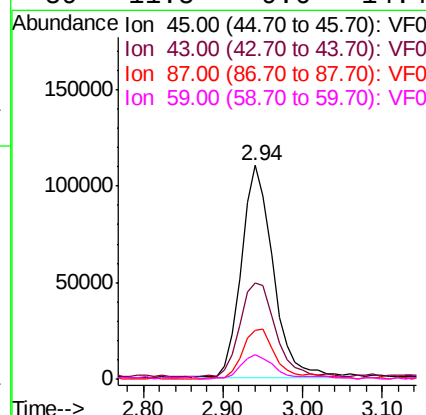
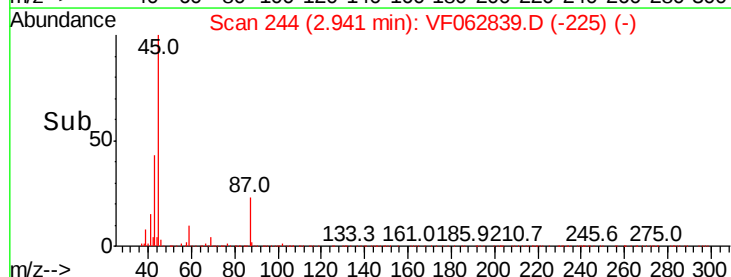
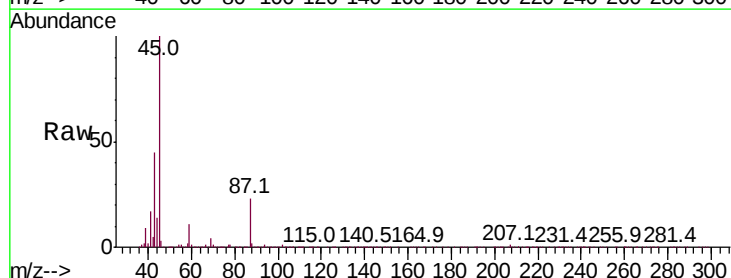
Ion Ratio Lower Upper

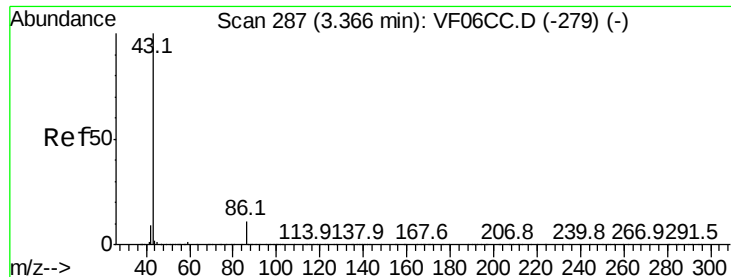
45 100

43 44.8 34.3 51.5

87 22.6 19.0 28.4

59 11.5 9.6 14.4





#23

Vinyl Acetate

Concen: 101.052 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

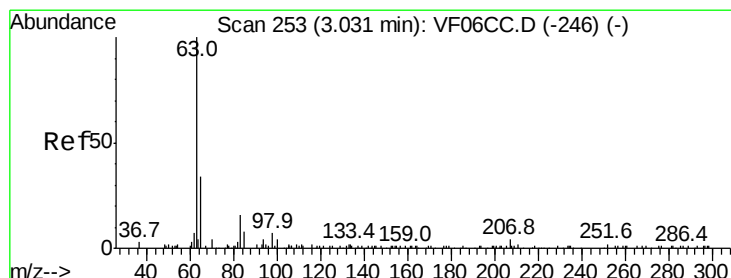
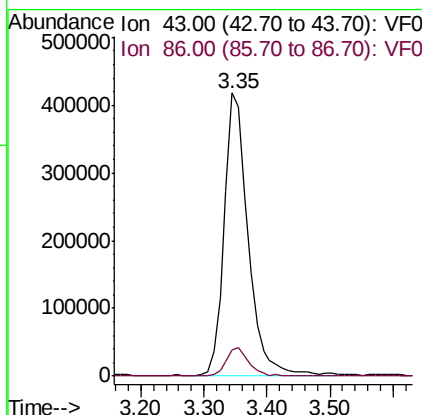
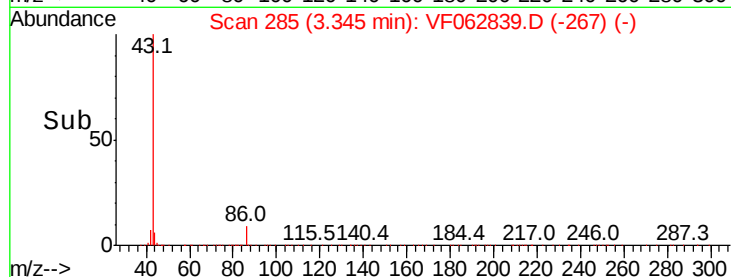
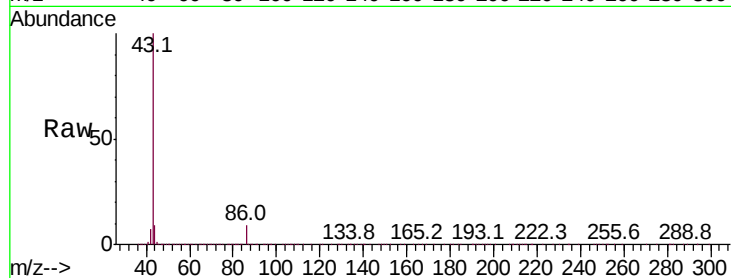
Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion: 43 Resp: 1094688

Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.2	12.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.876 ug/l

RT: 3.01 min Scan# 251

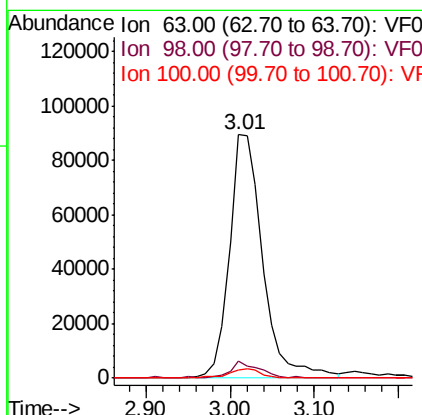
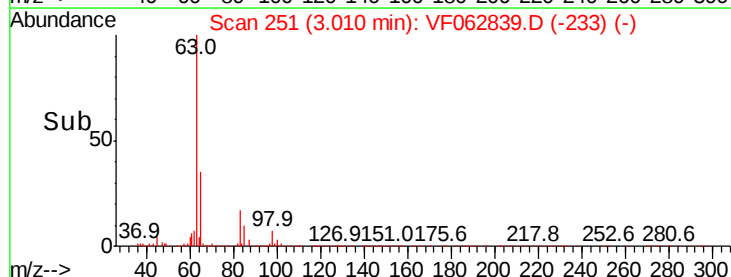
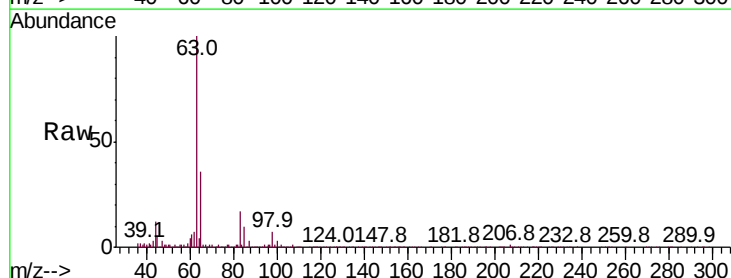
Delta R.T. -0.02 min

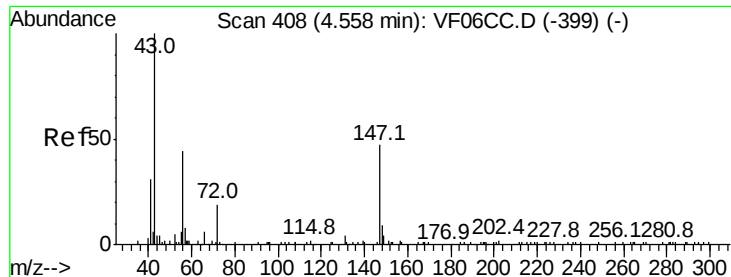
Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion: 63 Resp: 246634

Ion	Ratio	Lower	Upper
63	100		
98	6.8	2.4	7.1
100	3.4	1.5	4.5





#25

2-Butanone

Concen: 90.180 ug/l

RT: 4.54 min Scan# 406

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 43 Resp: 287146

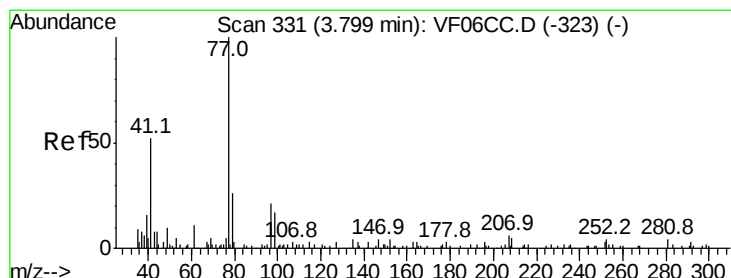
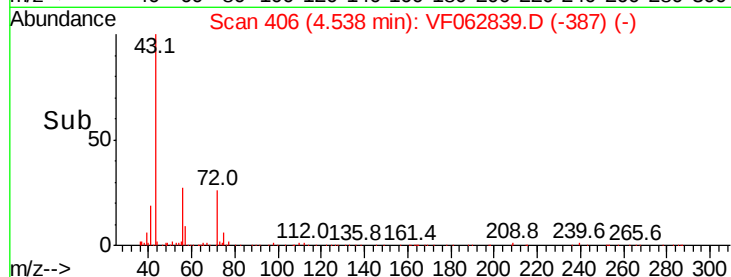
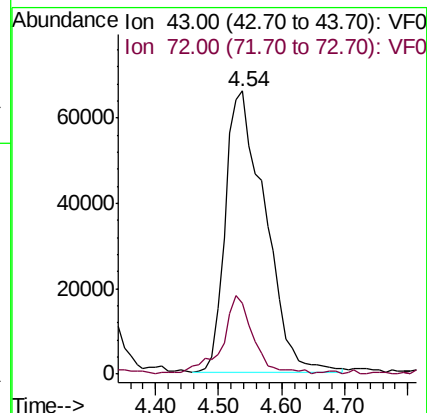
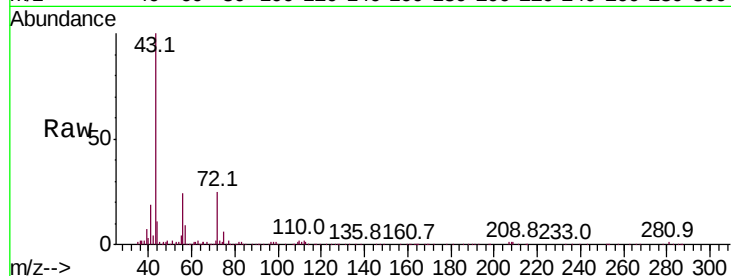
Ion Ratio Lower Upper

43 100

72 25.1 21.4 32.0

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#26

2,2-Dichloropropane

Concen: 22.249 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.02 min

Lab File: VF062839.D

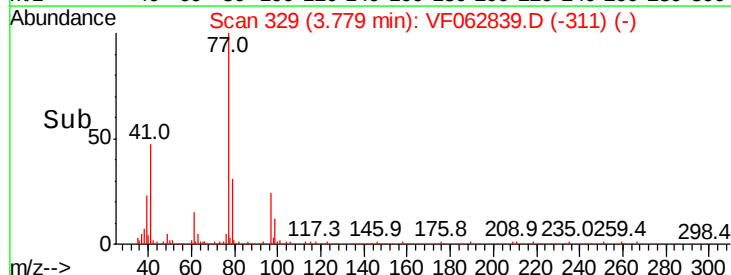
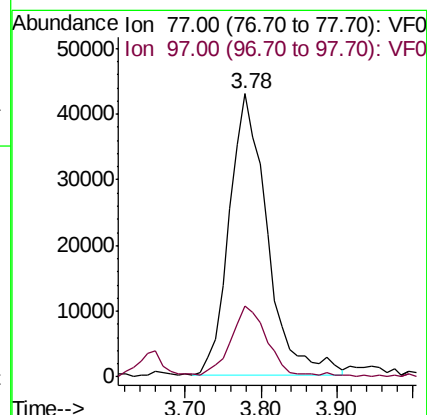
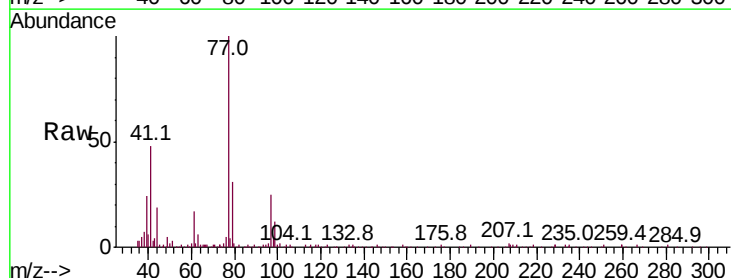
Acq: 4 Jun 2019 15:24

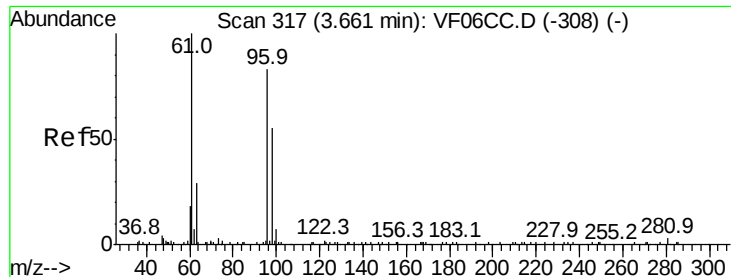
Tgt Ion: 77 Resp: 149253

Ion Ratio Lower Upper

77 100

97 25.1 12.4 37.4





#27

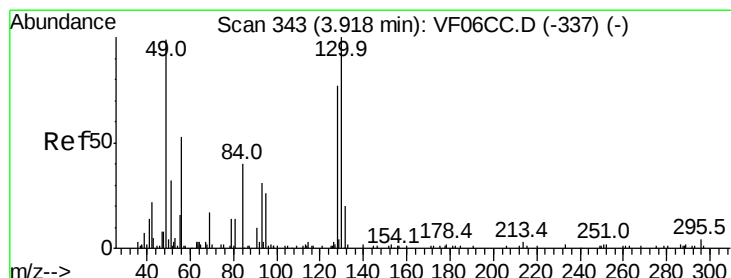
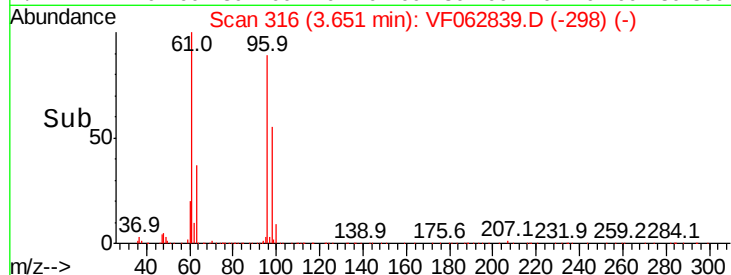
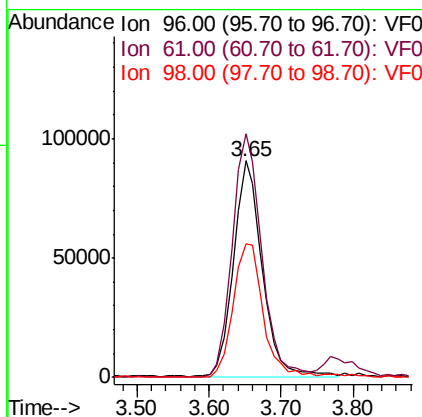
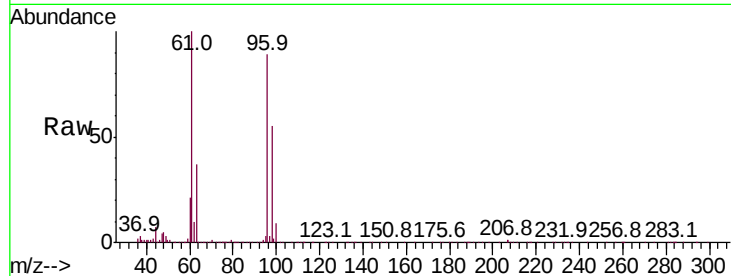
cis-1,2-Dichloroethene
Concen: 20.848 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	252253		
61	112.4		0.0	213.8
98	62.0		0.0	127.0

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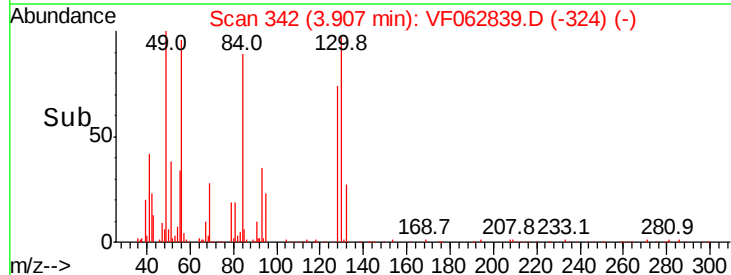
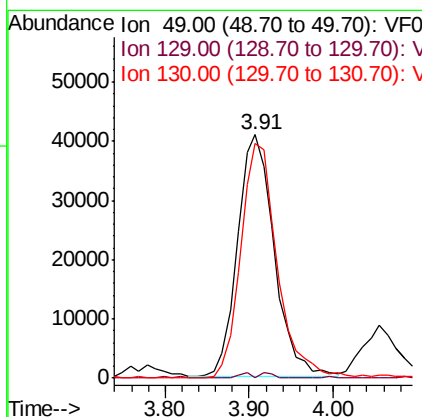
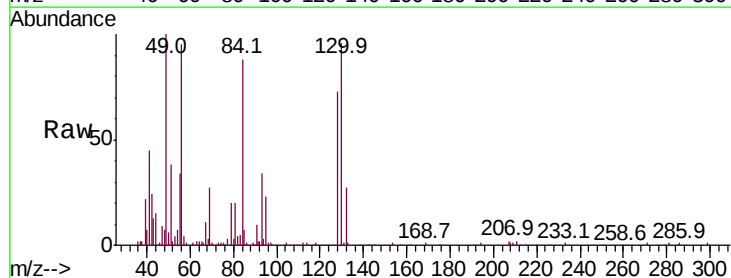
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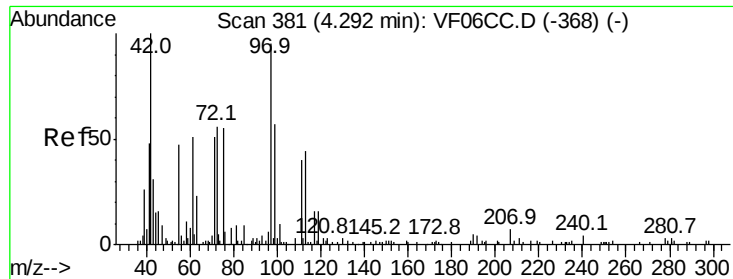


#28

Bromochloromethane
Concen: 19.318 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124150		
129	0.0		0.0	5.4
130	96.4		79.2	118.8





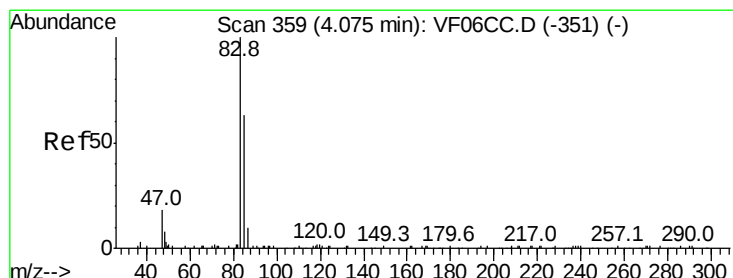
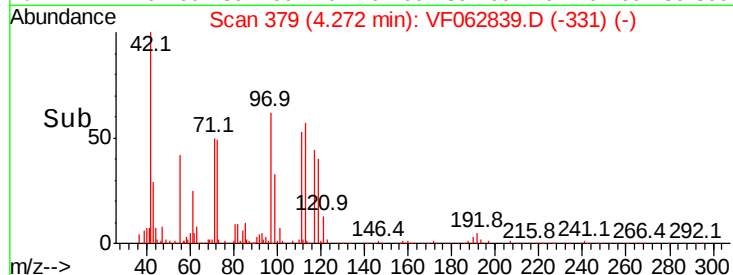
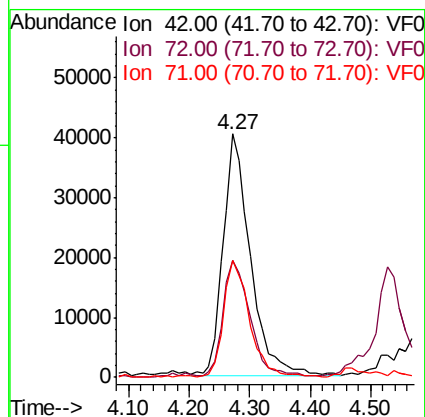
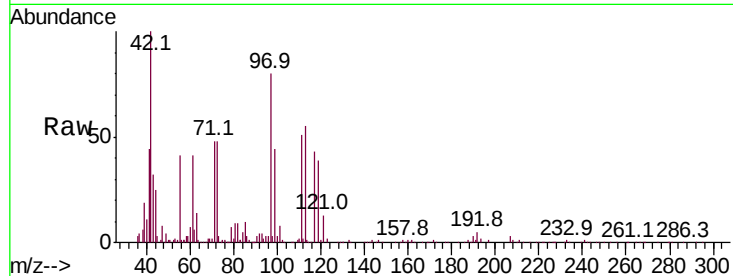
#29
Tetrahydrofuran
Concen: 103.618 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	126191		
72	48.0		39.0	58.6
71	46.7		36.9	55.3

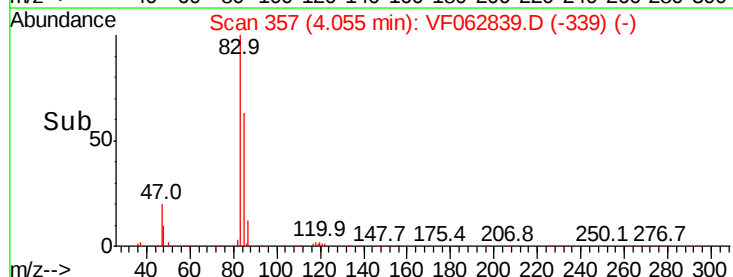
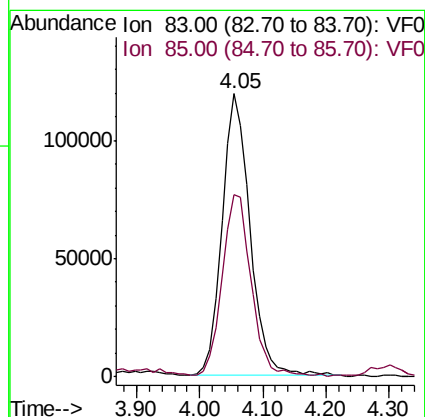
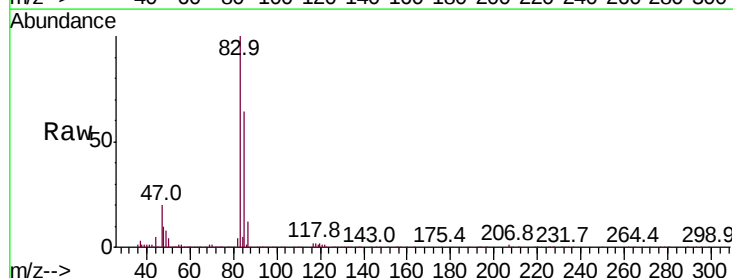
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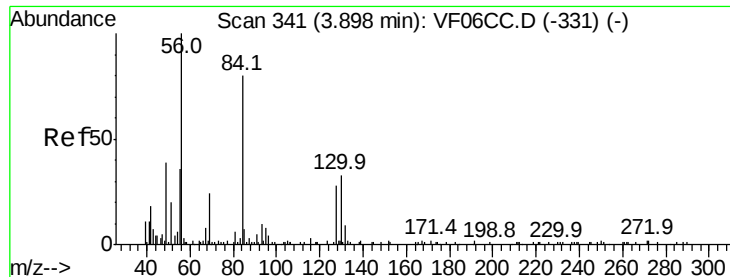
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#30
Chloroform
Concen: 21.969 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	365798		
85	64.5		55.0	82.6





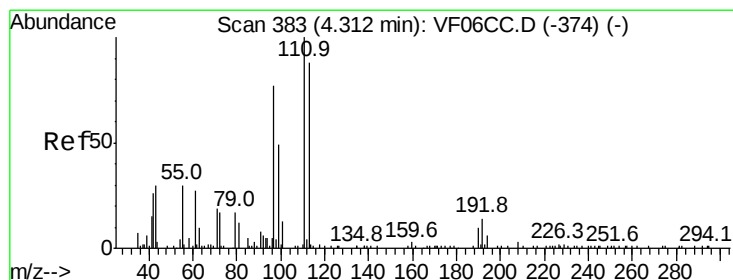
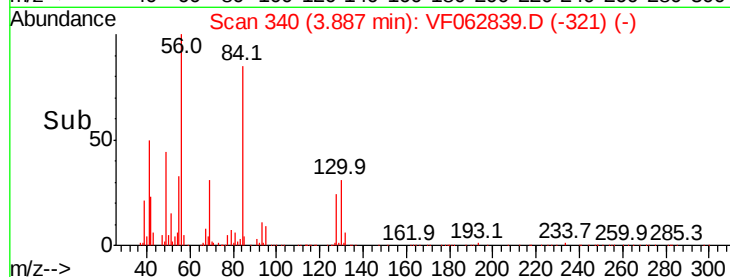
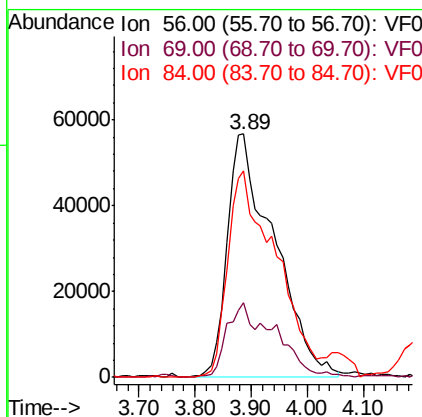
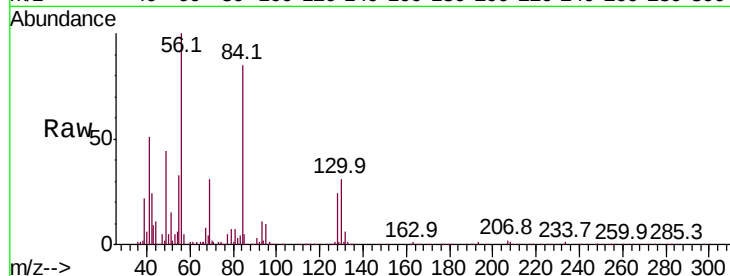
#31
Cyclohexane
Concen: 20.566 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.7	40.1
84	84.9	74.3	111.5

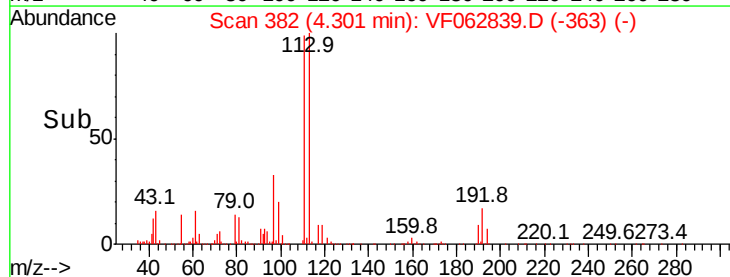
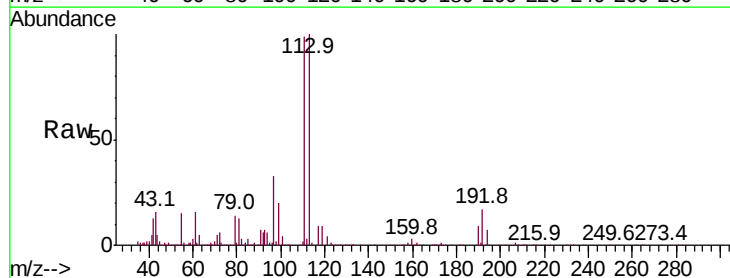
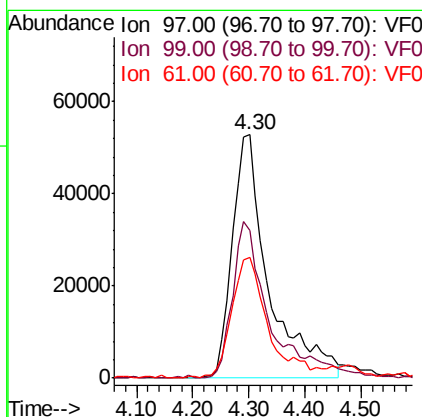
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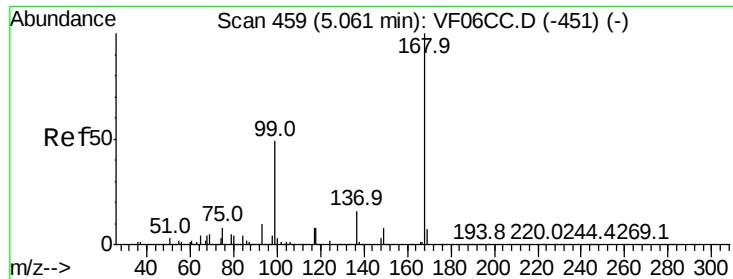
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#32
1,1,1-Trichloroethane
Concen: 24.664 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.7	77.5
61	49.5	38.9	58.3





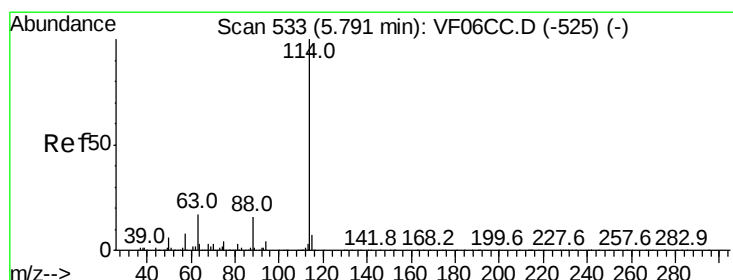
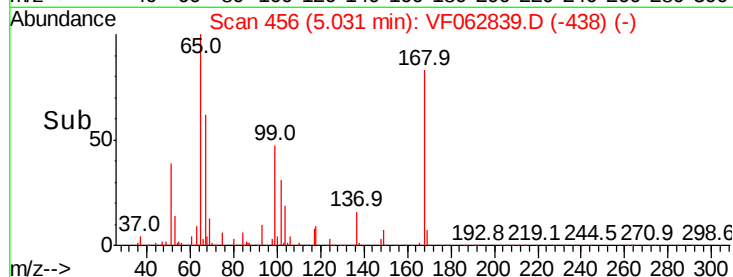
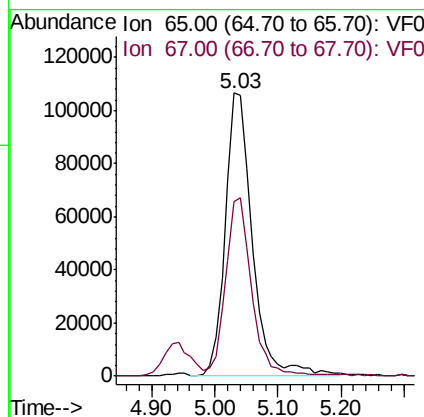
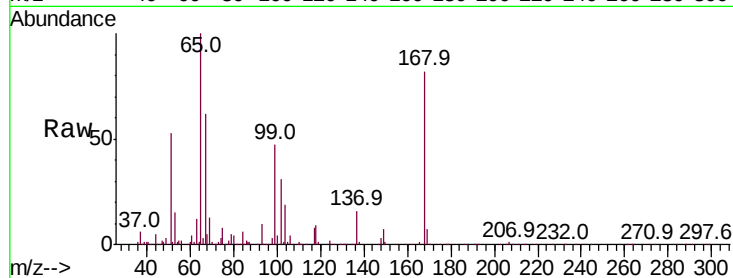
#33
 1,2-Dichloroethane-d4
 Concen: 52.767 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Tot Ion: 65 Resp: 315227
 Ion Ratio Lower Upper
 65 100
 67 61.7 0.0 121.2

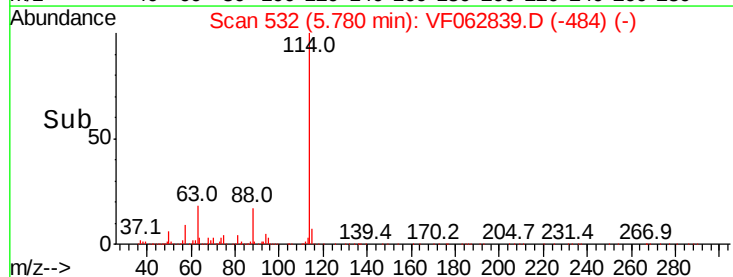
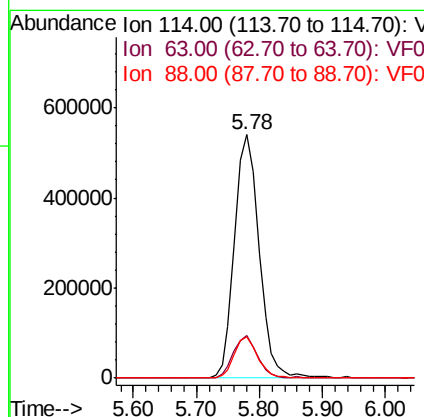
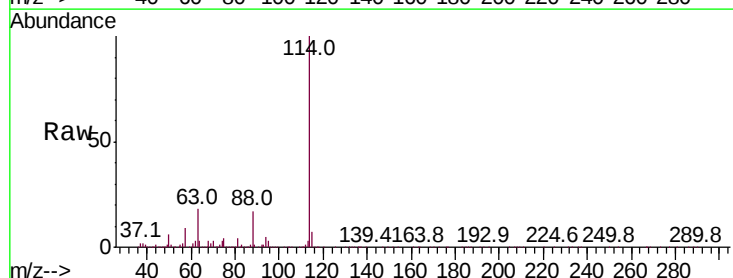
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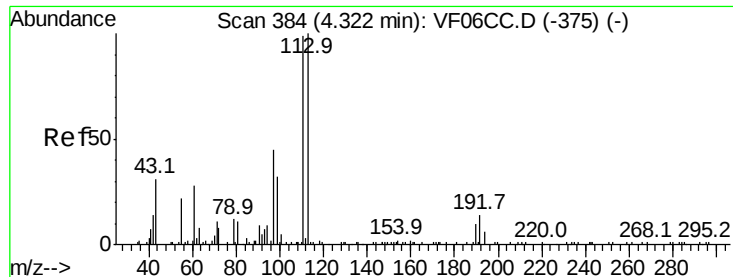
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Tgt Ion: 114 Resp: 1464359
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.2
 88 16.8 0.0 31.2





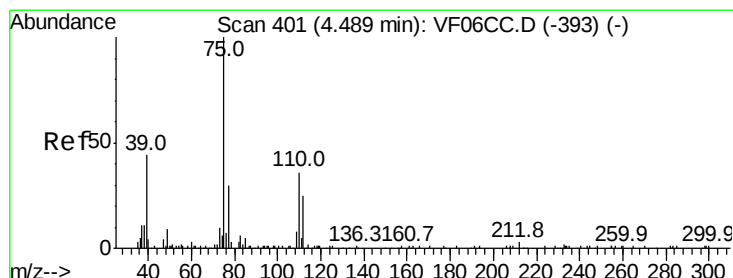
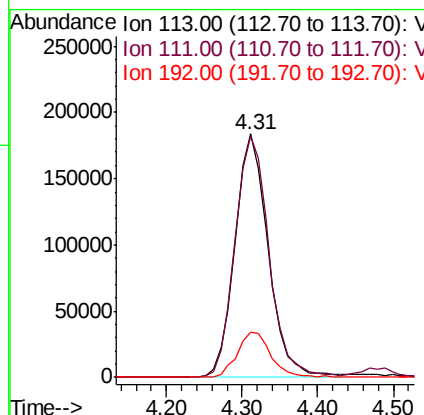
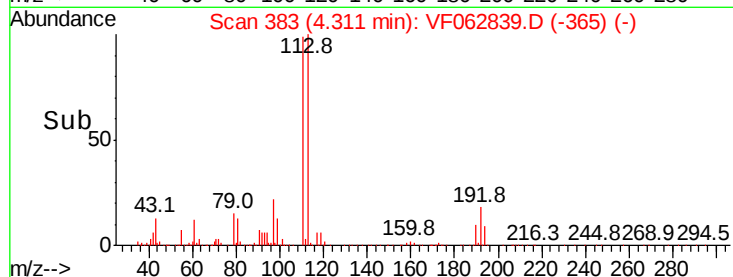
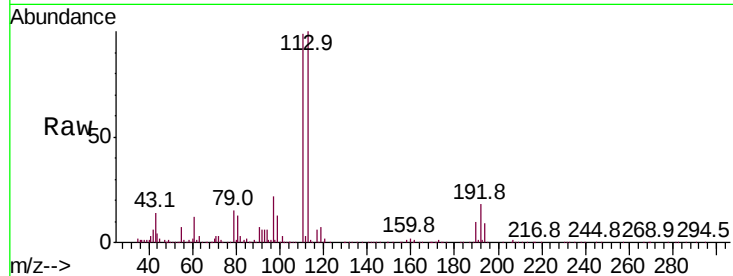
#35
Dibromofluoromethane
Concen: 50.569 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	559570		
111	98.9		81.9	122.9
192	18.4		15.1	22.7

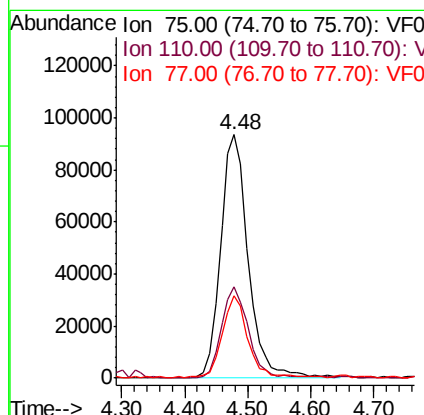
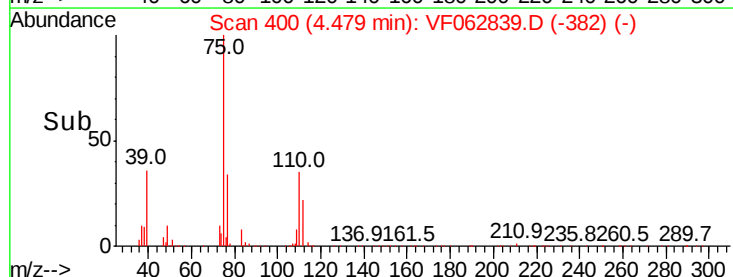
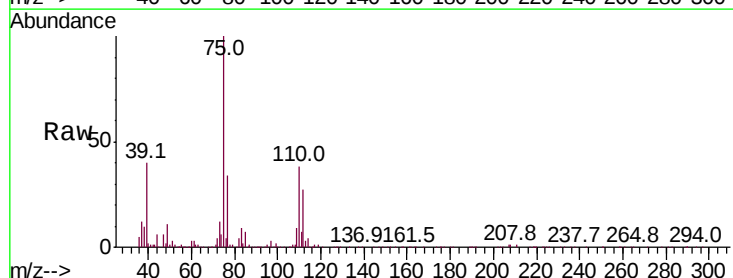
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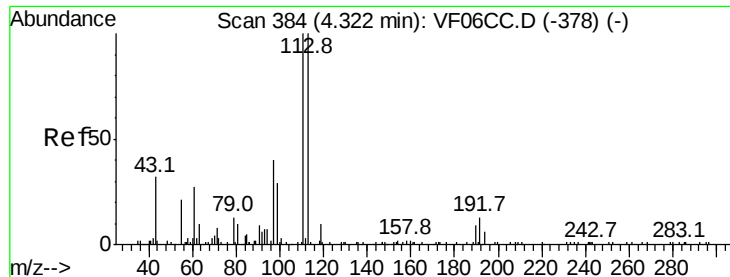
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#36
1,1-Dichloropropene
Concen: 20.908 ug/l
RT: 4.48 min Scan# 400
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	281860		
110	37.6		19.4	58.1
77	33.7		25.4	38.2





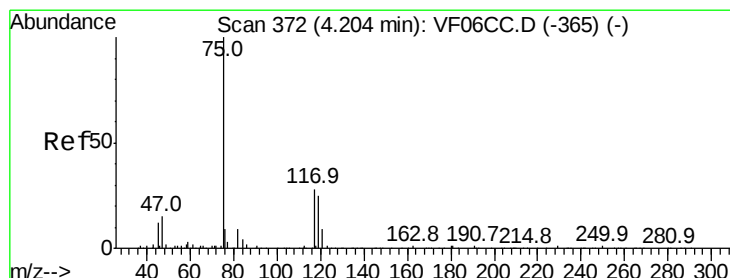
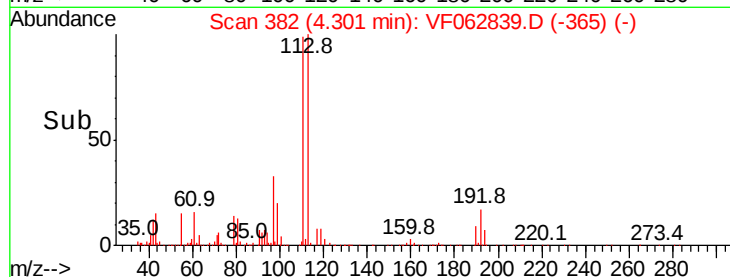
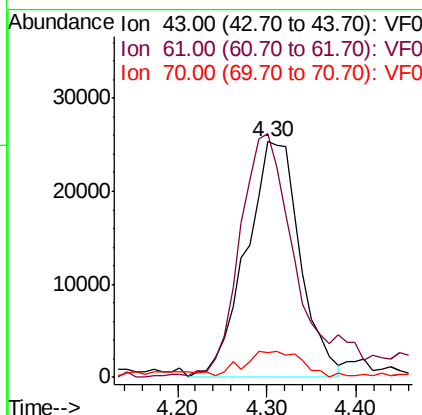
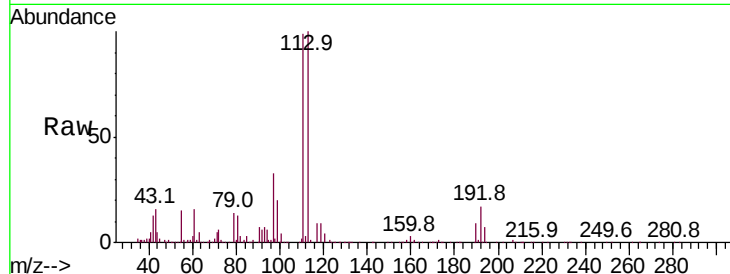
#37
Ethyl Acetate
Concen: 20.608 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.03 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	103.4	59.1	88.7#
70	10.7	10.1	15.1

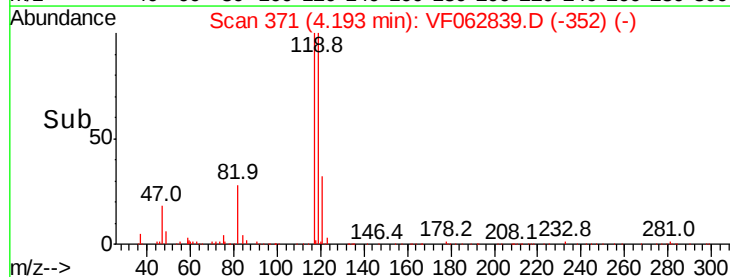
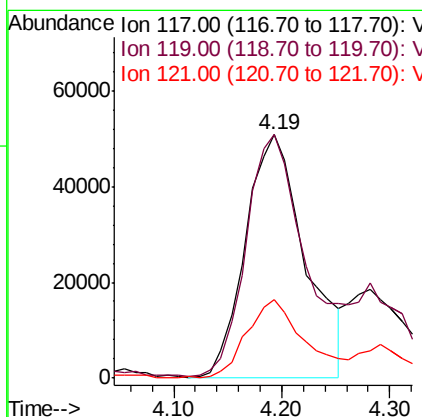
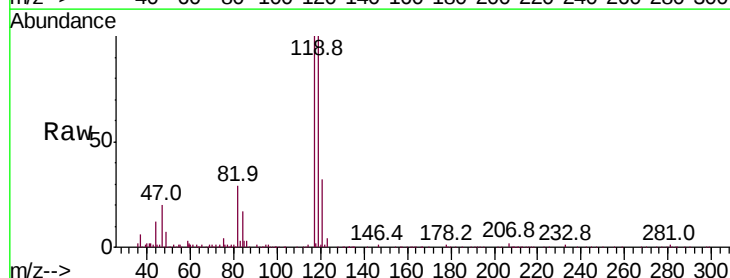
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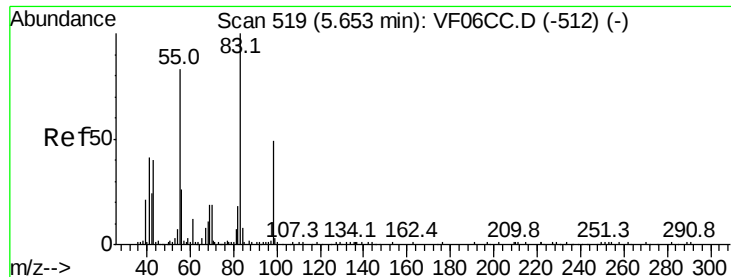
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#38
Carbon Tetrachloride
Concen: 21.406 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	78.2	117.2
121	32.3	28.2	42.2





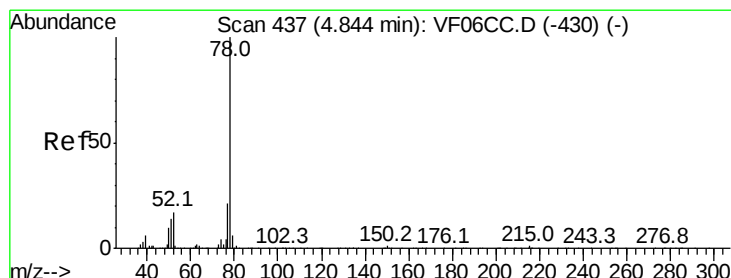
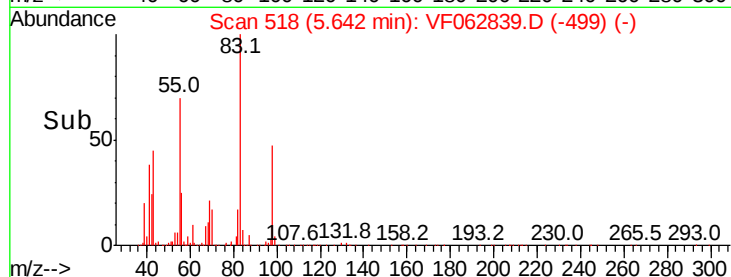
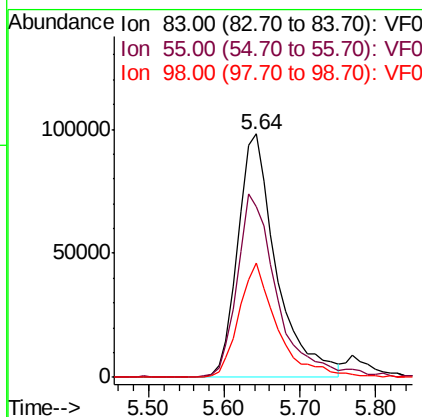
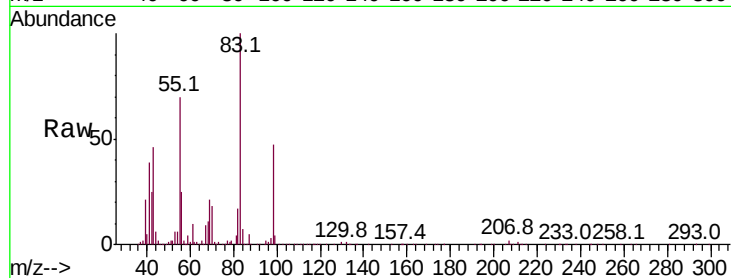
#39
Methvlcvclohexane
Concen: 20.749 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Resp Lower	Upper
83	100		
55	70.3	61.6	92.4
98	46.9	37.4	56.2

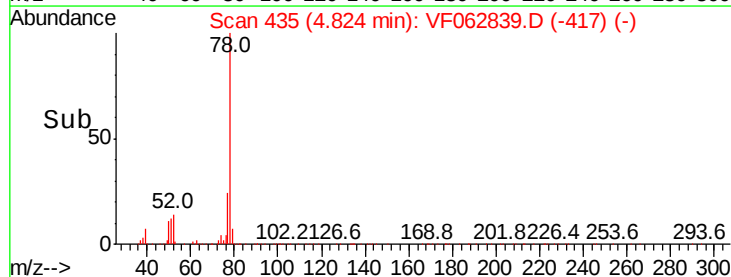
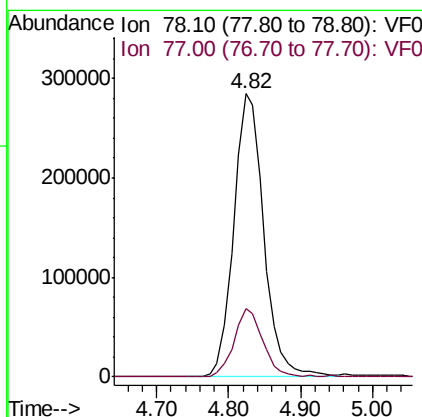
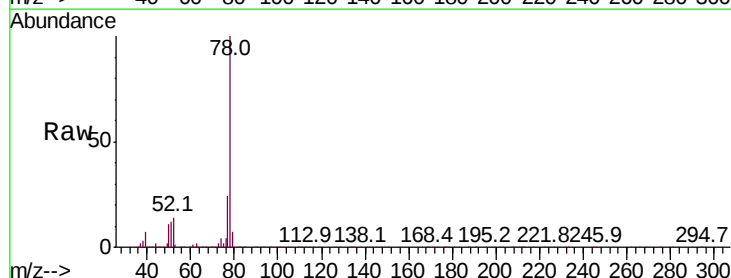
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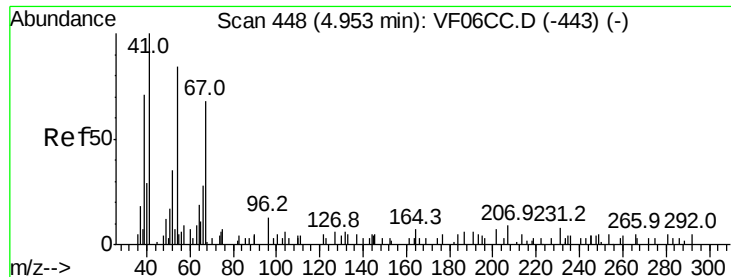
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#40
Benzene
Concen: 21.128 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Resp Lower	Upper
78	100		
77	24.0	18.9	28.3





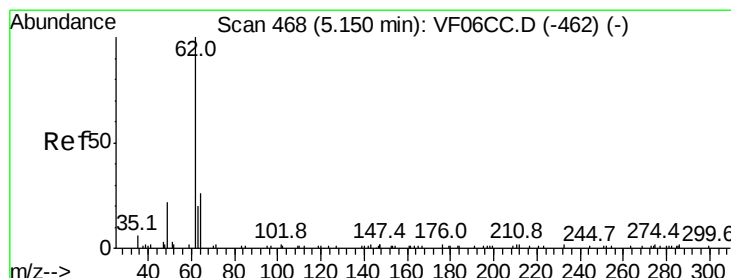
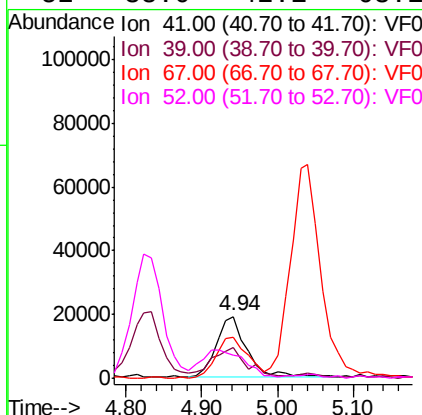
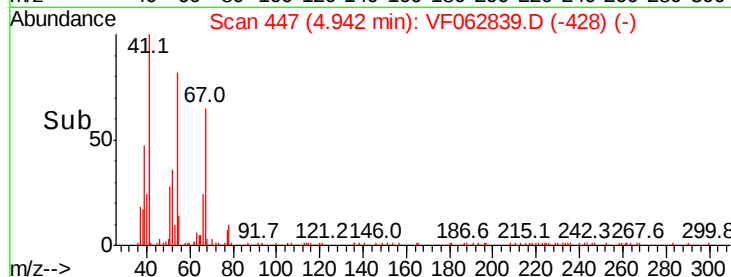
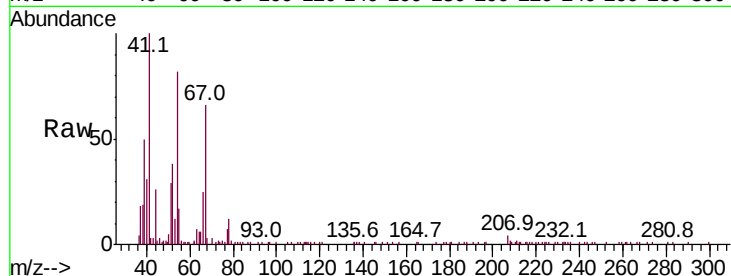
#41
Methacrylonitrile
Concen: 19.237 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.4	42.0	63.0
67	65.6	61.4	92.0
52	38.0	42.1	63.1#

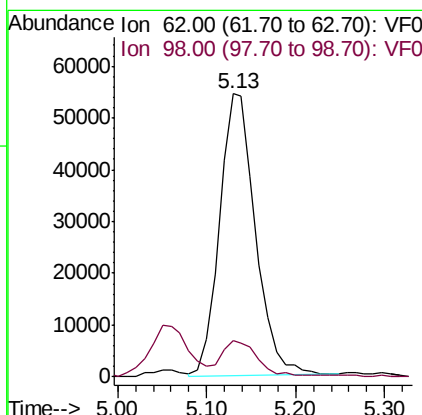
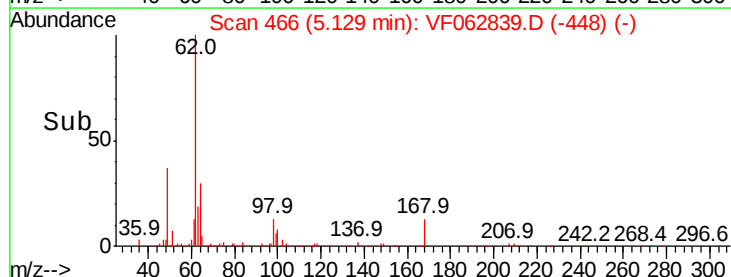
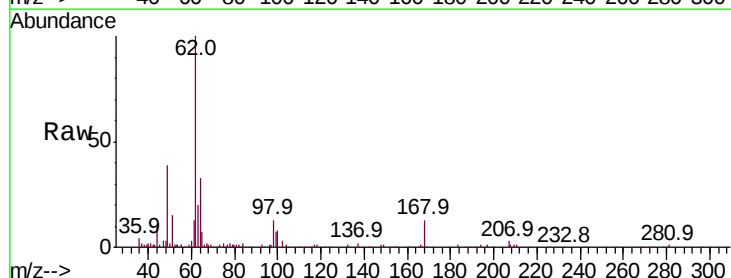
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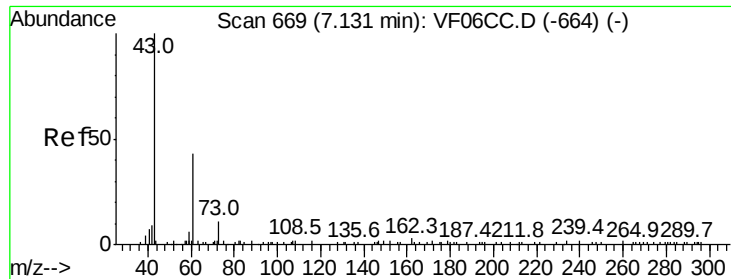
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#42
1,2-Dichloroethane
Concen: 20.493 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.8	0.0	24.0





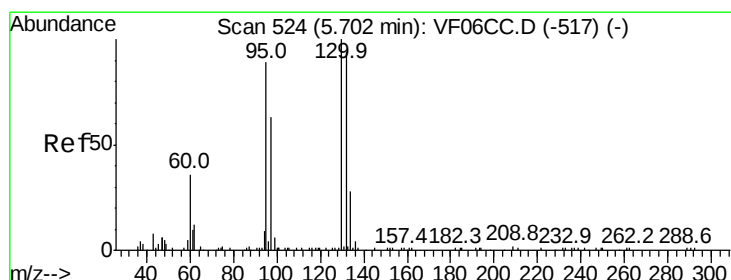
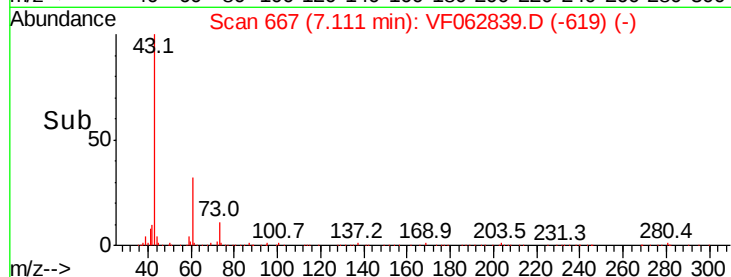
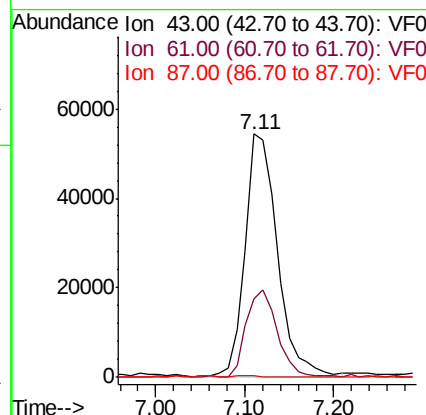
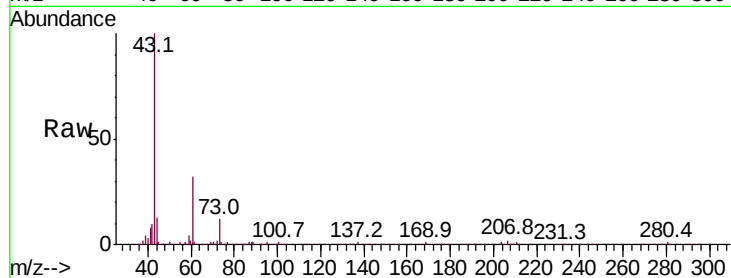
#43
Isopropyl Acetate
Concen: 19.960 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.0	29.8	44.6
87	0.6	0.3	0.5

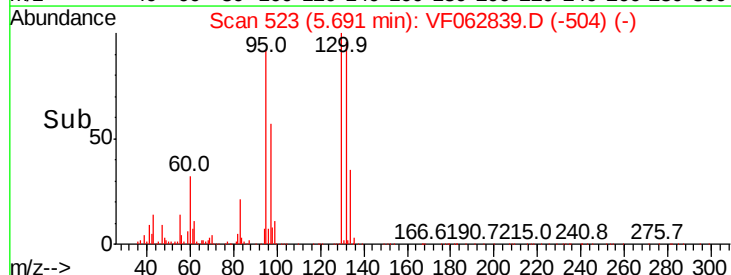
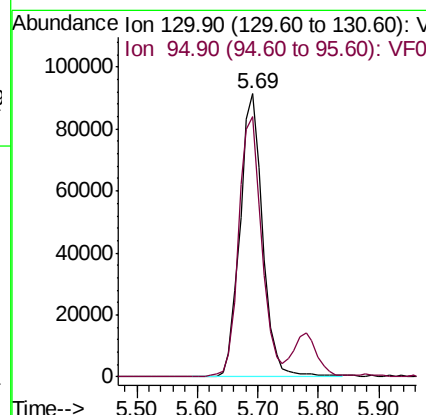
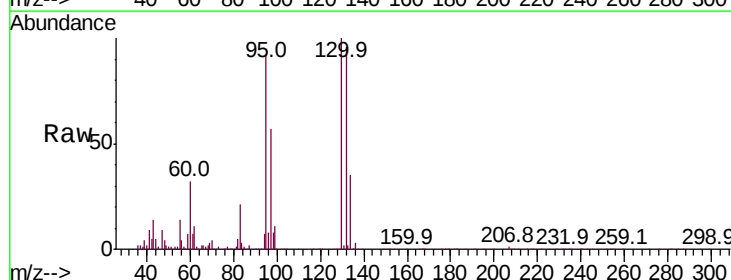
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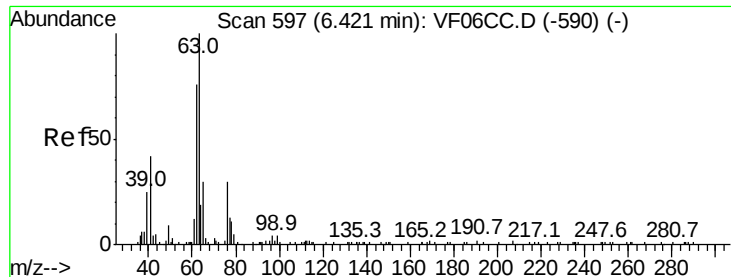
MMDadoda
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#44
Trichloroethene
Concen: 21.525 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	188.2





#45

1,2-Dichloropropane

Concen: 19.889 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 63 Resp: 195817

Ion Ratio Lower Upper

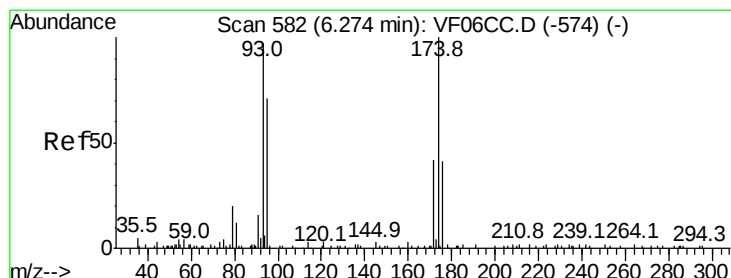
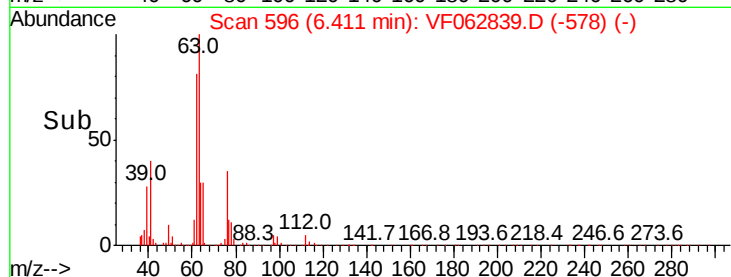
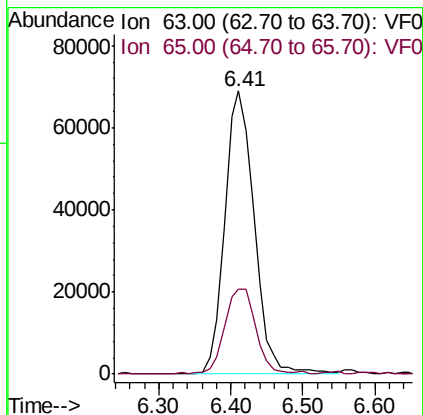
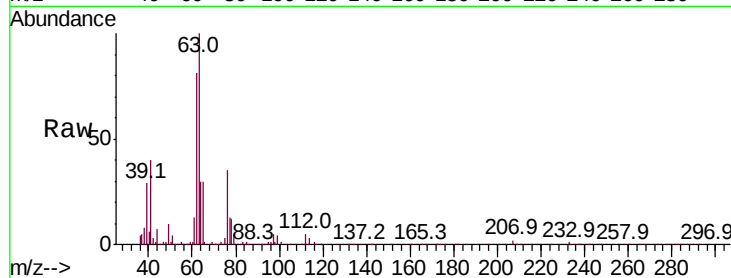
63 100

65 30.1 24.2 36.2

Manual Integrations
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#46

Dibromomethane

Concen: 20.920 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

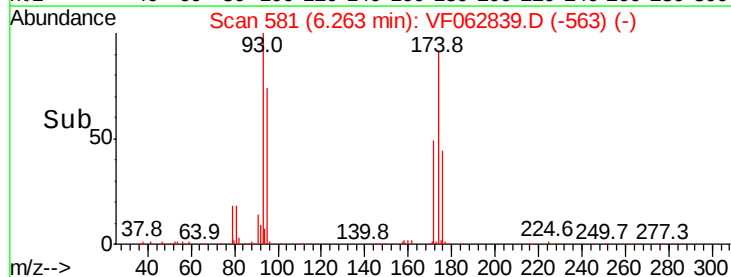
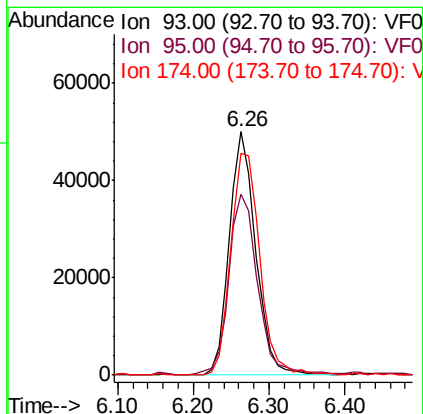
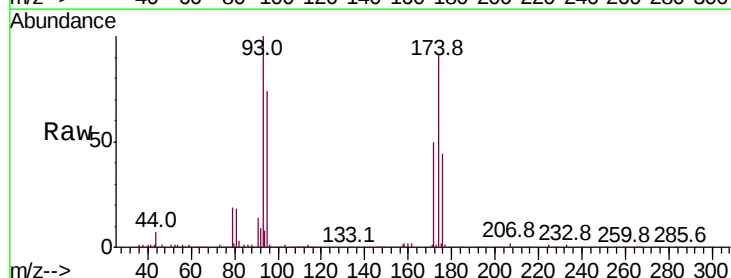
Tgt Ion: 93 Resp: 120256

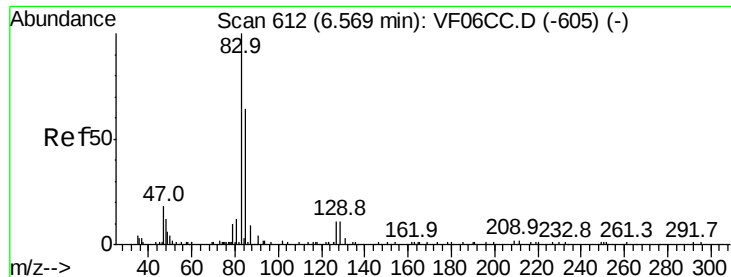
Ion Ratio Lower Upper

93 100

95 74.5 67.9 101.9

174 91.0 85.0 127.4





#47

Bromodichloromethane

Concen: 20.381 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

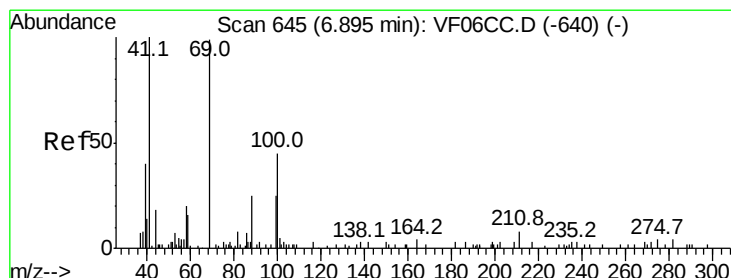
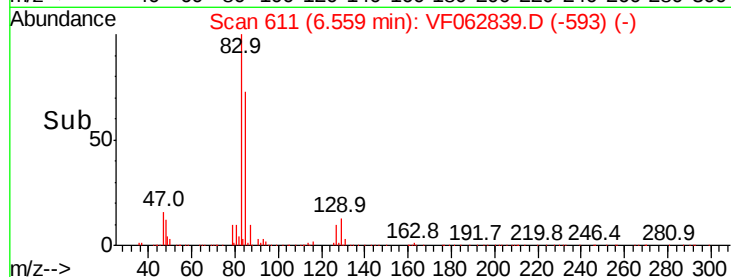
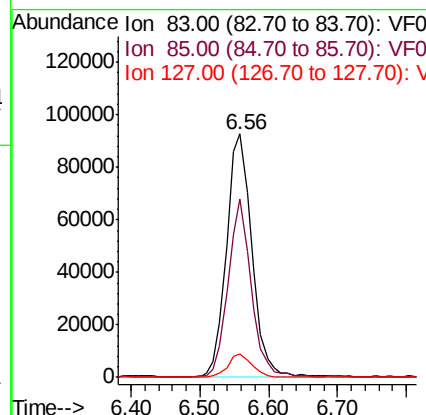
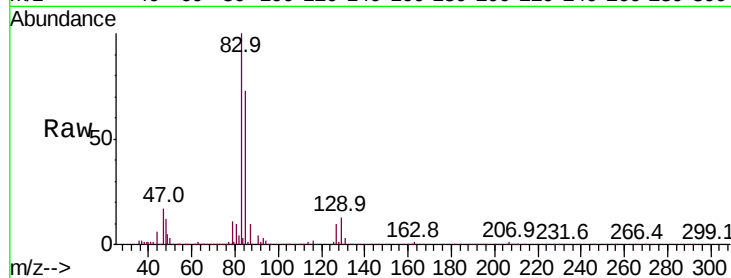
ClientSampleId :

VF0604SBS01

Tot Ion:	83	Resp:	238590
Ion Ratio	Lower	Upper	
83	100		
85	73.0	54.2	81.4
127	9.9	7.0	10.4

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#48

Methyl methacrylate

Concen: 19.889 ug/l

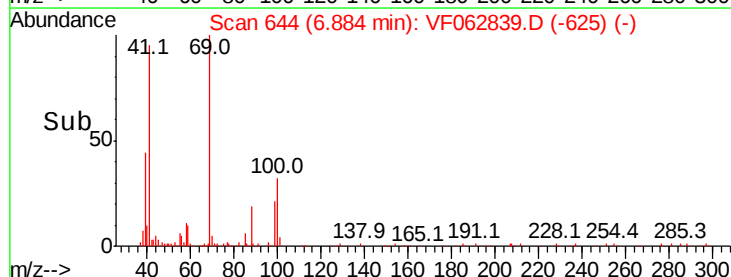
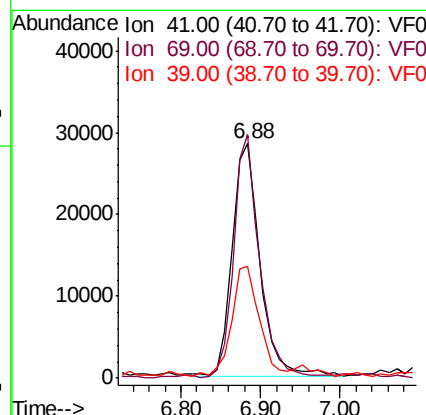
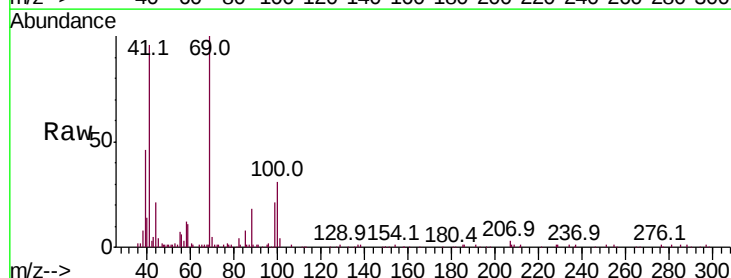
RT: 6.88 min Scan# 644

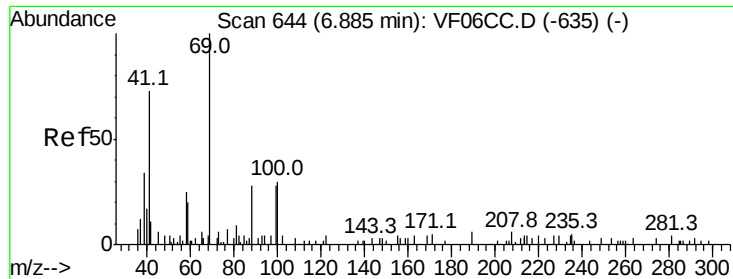
Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion:	41	Resp:	69776
Ion Ratio	Lower	Upper	
41	100		
69	104.0	79.4	119.2
39	47.6	39.8	59.6





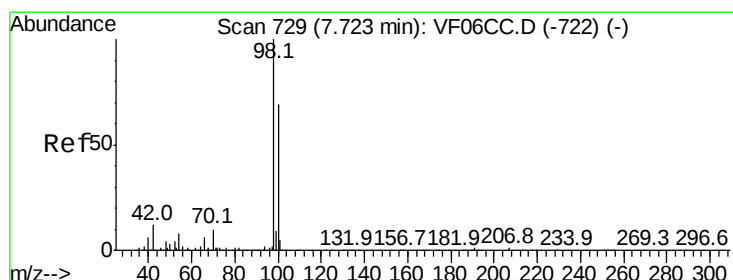
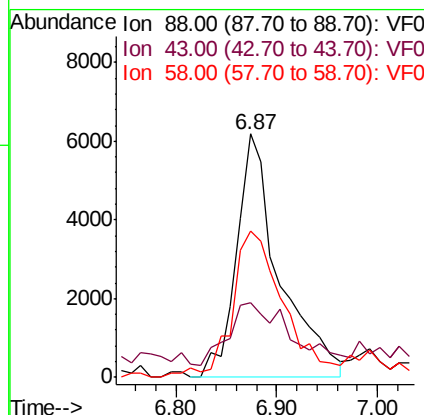
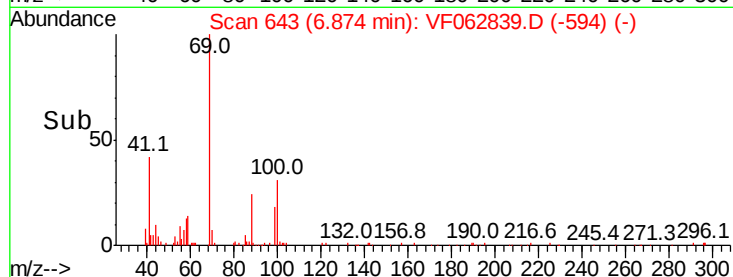
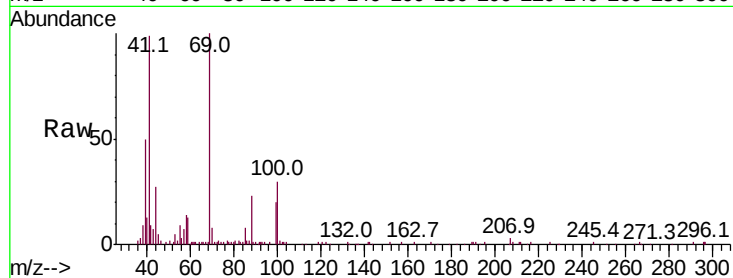
#49
1,4-Dioxane
Concen: 394.822 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	34.8	52.2#
58	60.0	59.9	89.9

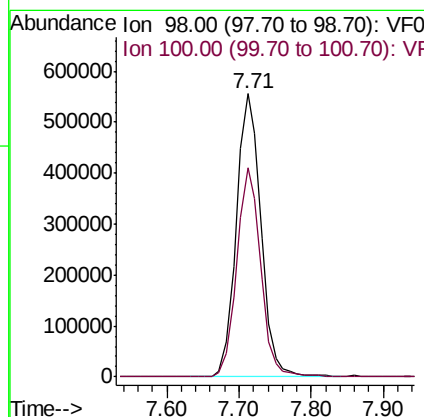
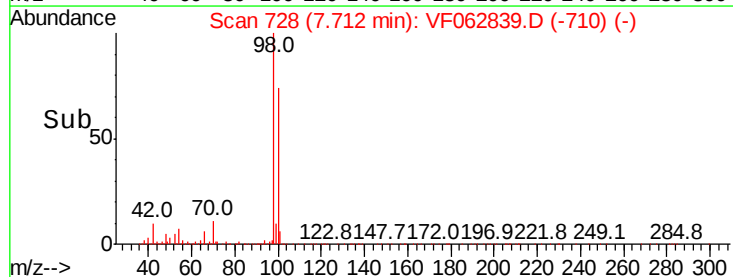
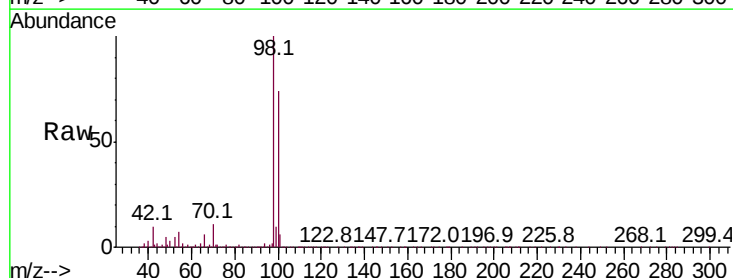
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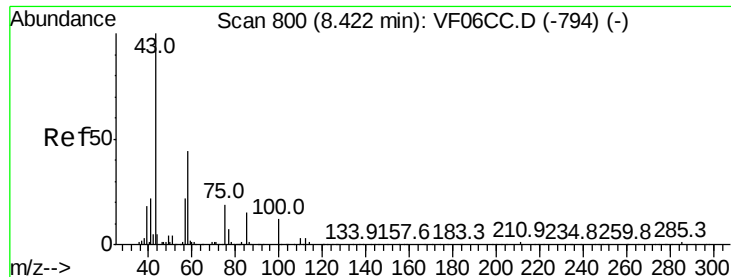
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#50
Toluene-d8
Concen: 47.538 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	74.1	59.8	89.8





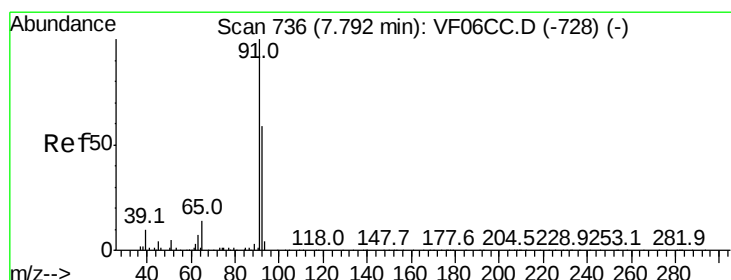
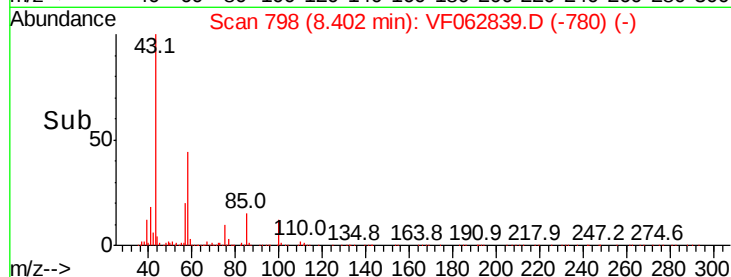
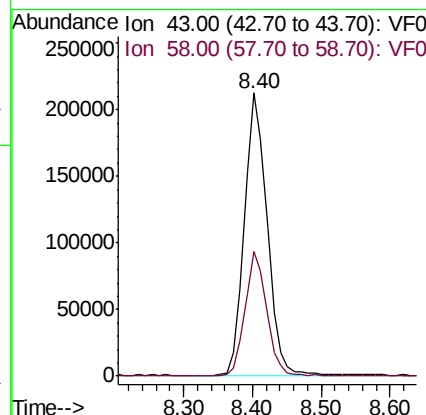
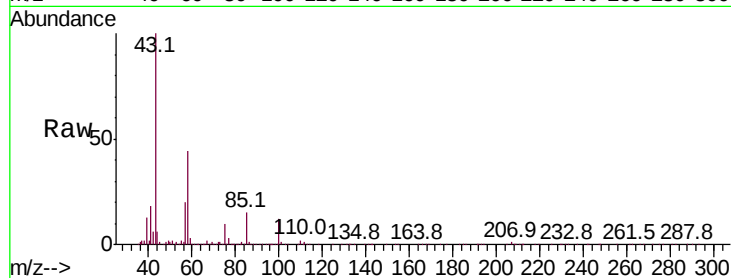
#51
4-Methyl-2-Pentanone
Concen: 101.275 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion: 43 Resp: 492207
Ion Ratio Lower Upper
43 100
58 43.9 35.5 53.3

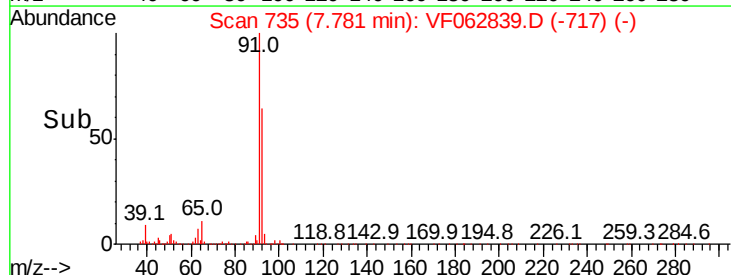
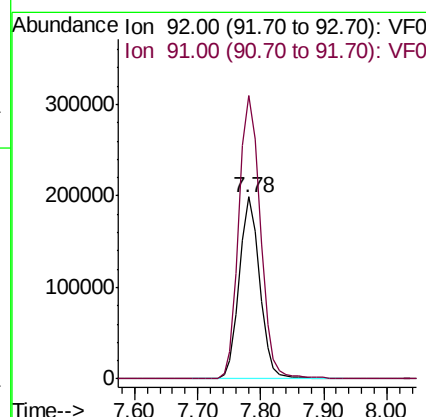
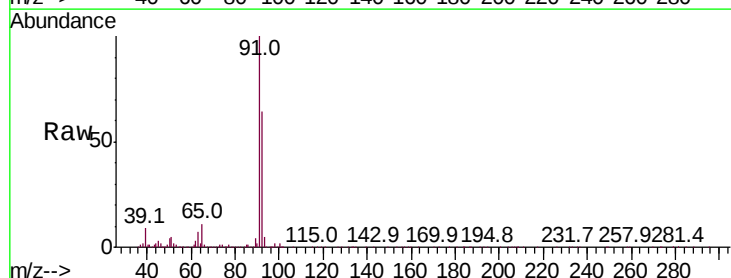
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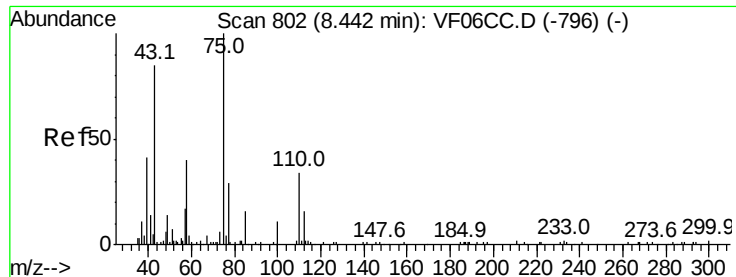
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#52
Toluene
Concen: 21.111 ug/l
RT: 7.78 min Scan# 735
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion: 92 Resp: 446121
Ion Ratio Lower Upper
92 100
91 155.8 123.2 184.8





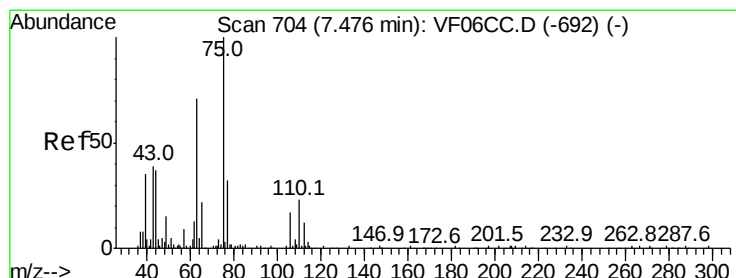
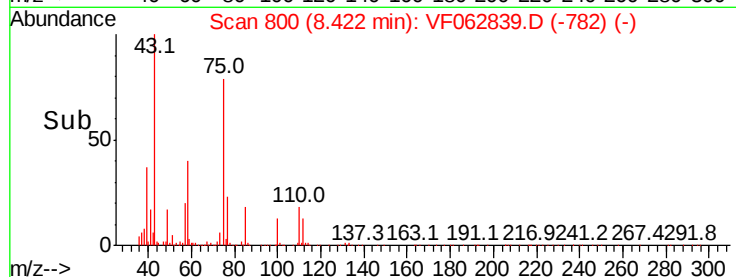
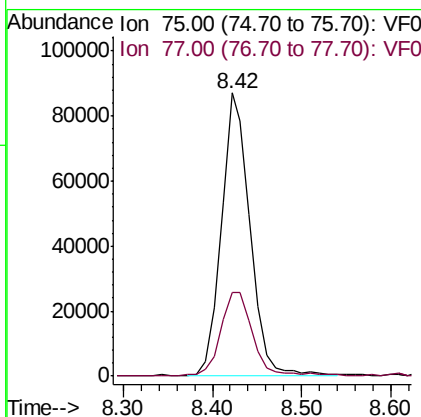
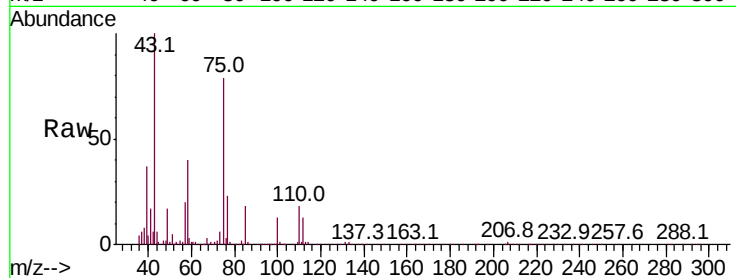
#53
t-1,3-Dichloropropene
Concen: 20.144 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion: 75 Resp: 195410
Ion Ratio Lower Upper
75 100
77 29.8 25.7 38.5

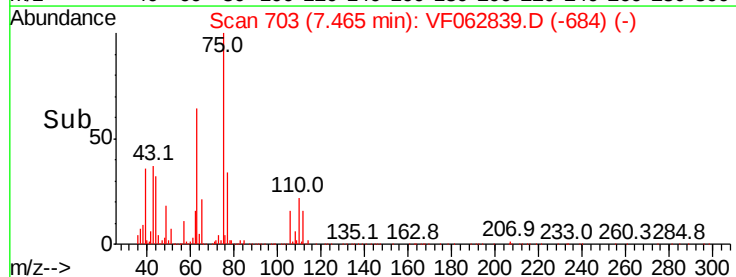
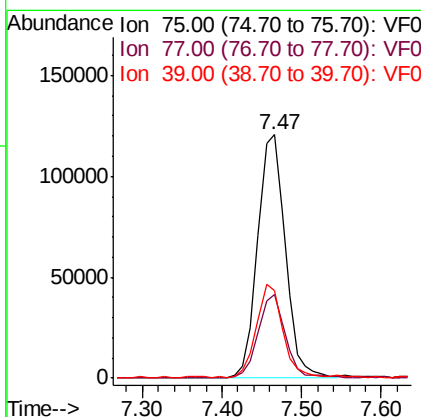
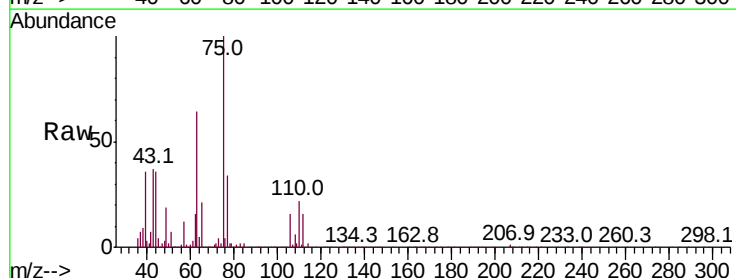
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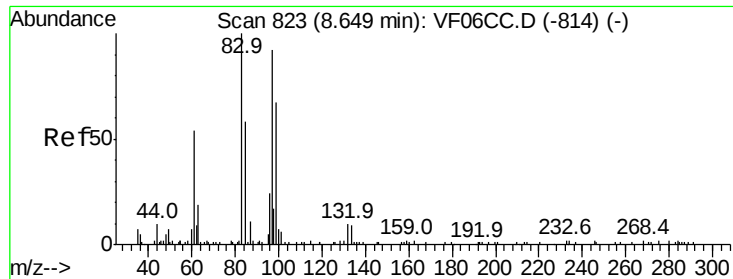
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#54
cis-1,3-Dichloropropene
Concen: 20.660 ug/l
RT: 7.47 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion: 75 Resp: 290116
Ion Ratio Lower Upper
75 100
77 34.3 25.8 38.8
39 36.0 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 20.734 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 97 Resp: 130899

Ion Ratio Lower Upper

97 100

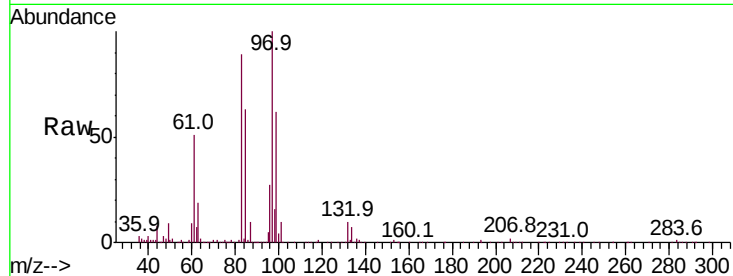
83 89.3 72.0 108.0

85 62.7 47.5 71.3

99 62.0 54.1 81.1

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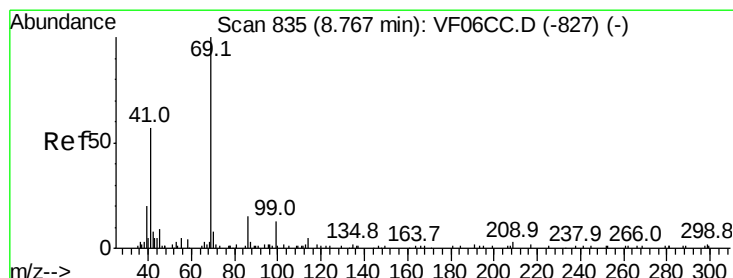
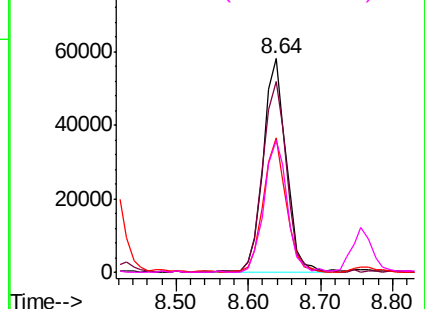
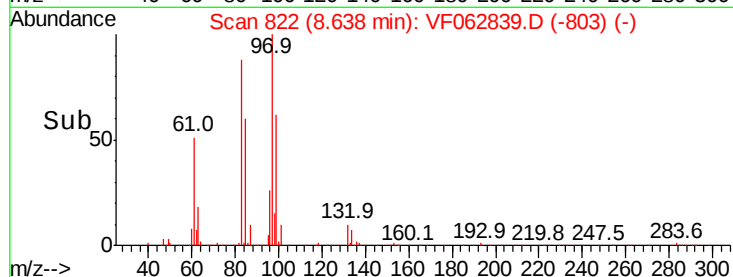


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.108 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

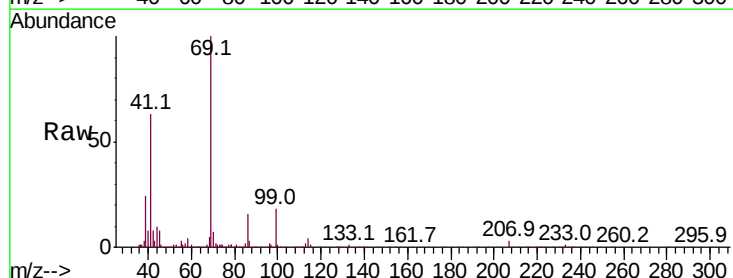
Tgt Ion: 69 Resp: 142979

Ion Ratio Lower Upper

69 100

41 63.0 46.6 69.8

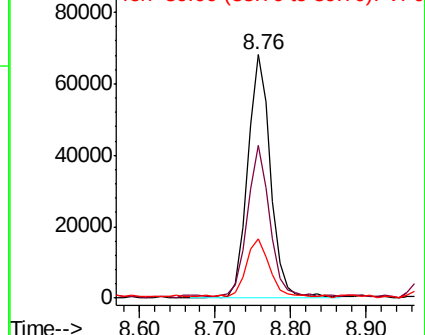
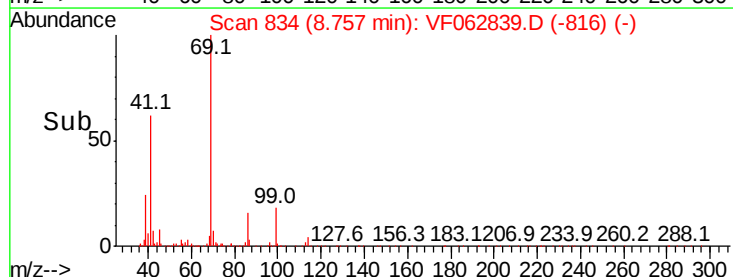
39 24.3 19.6 29.4

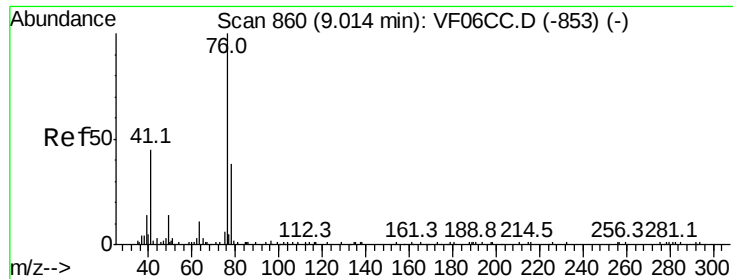


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.870 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF062839.D

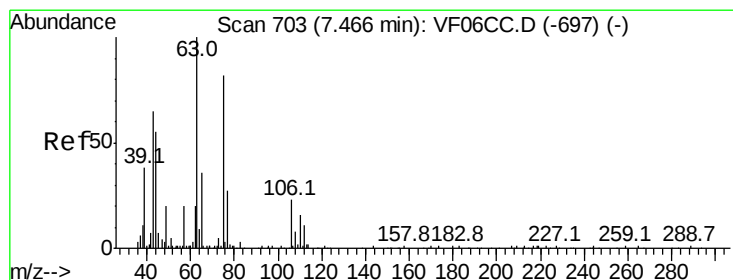
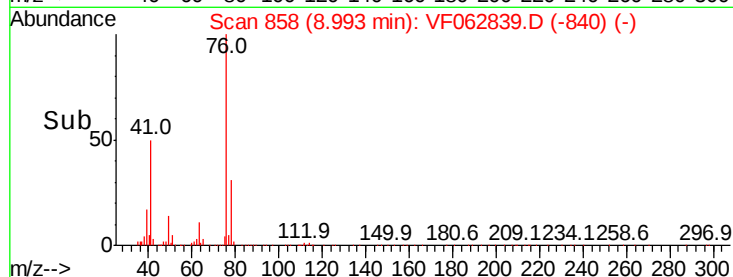
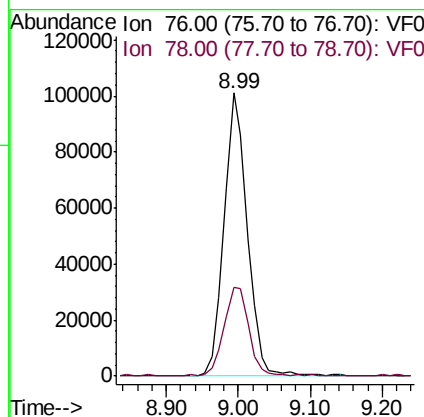
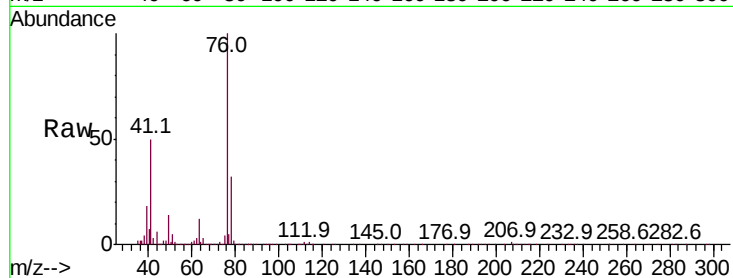
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.8	40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 109.961 ug/l

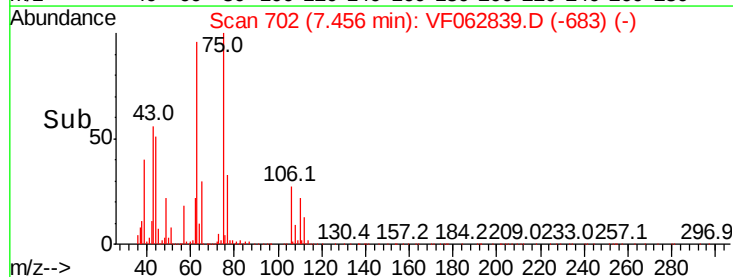
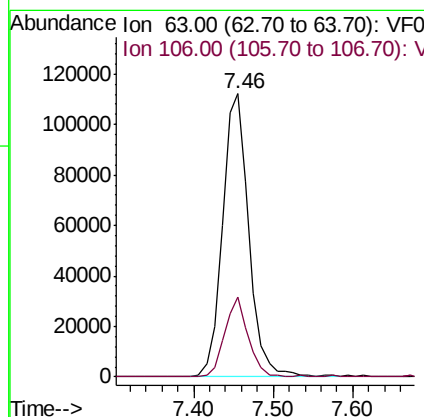
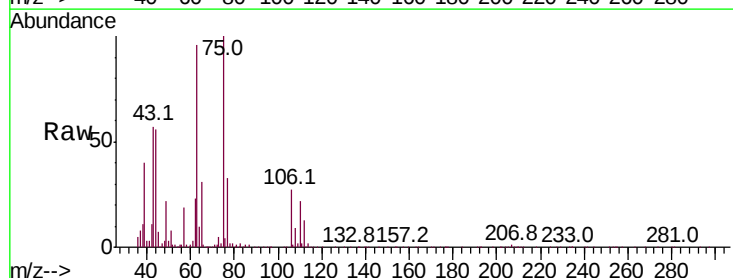
RT: 7.46 min Scan# 702

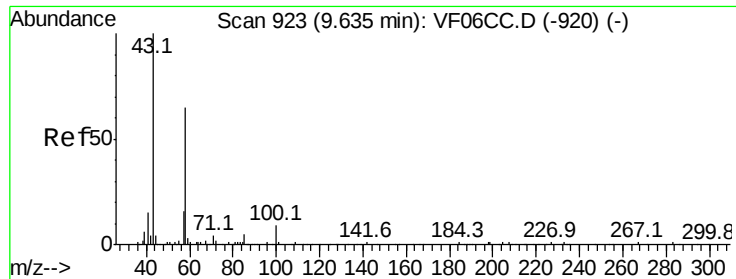
Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	19.5	29.3





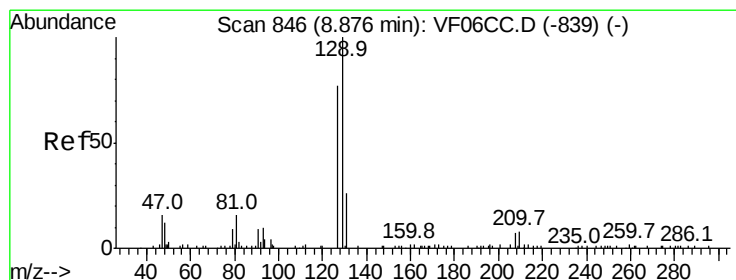
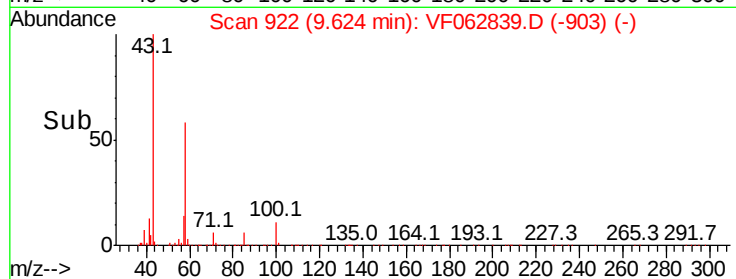
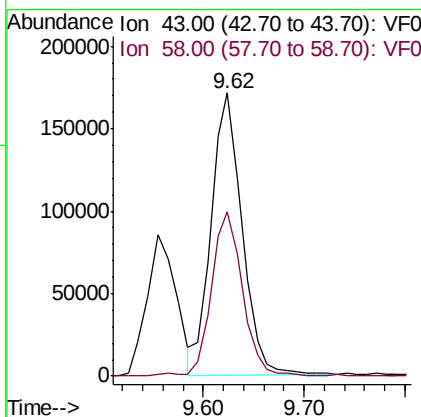
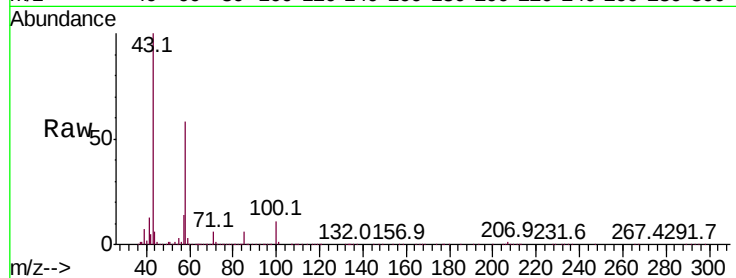
#59
2-Hexanone
Concen: 105.324 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.1	29.3	87.9

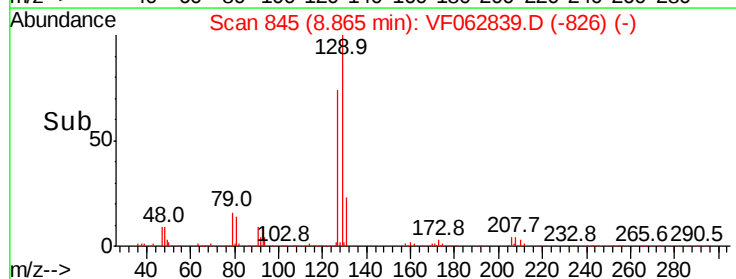
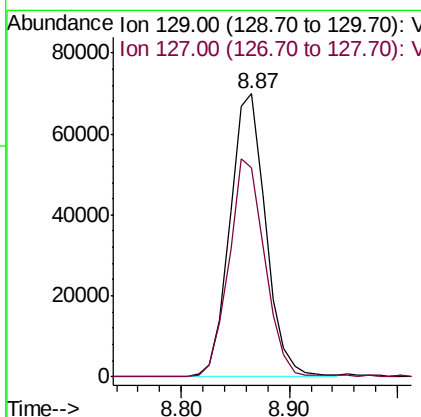
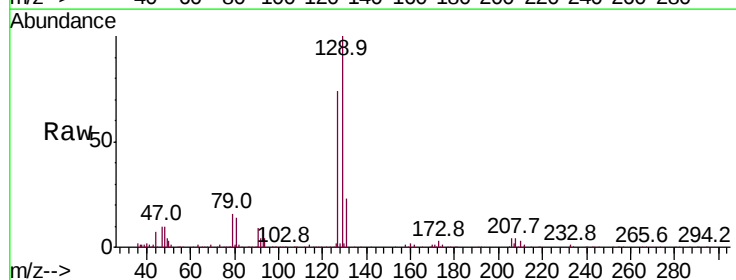
Manual Integrations
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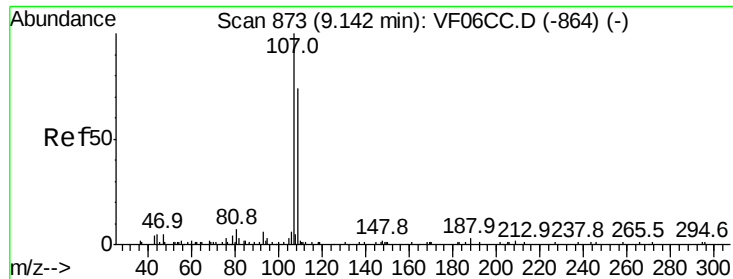
MMDadoda
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#60
Dibromochloromethane
Concen: 20.529 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.6	37.1	111.3





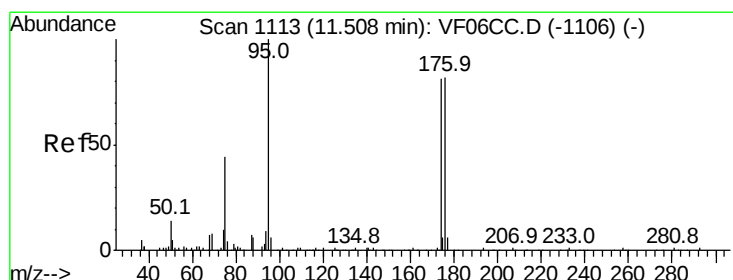
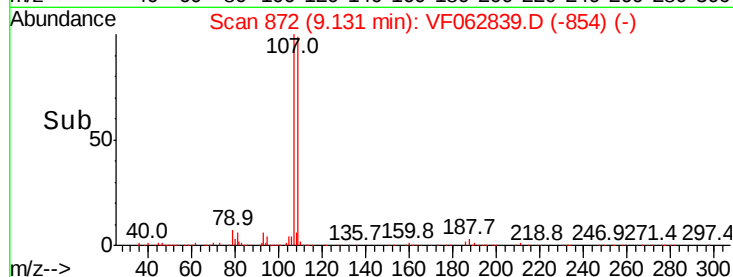
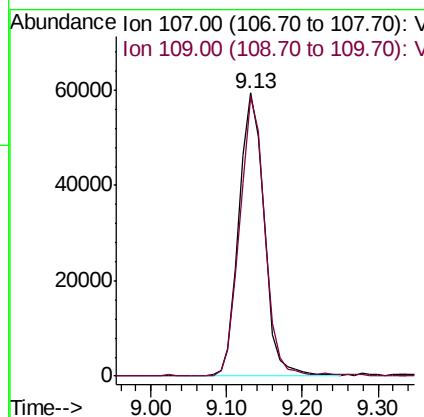
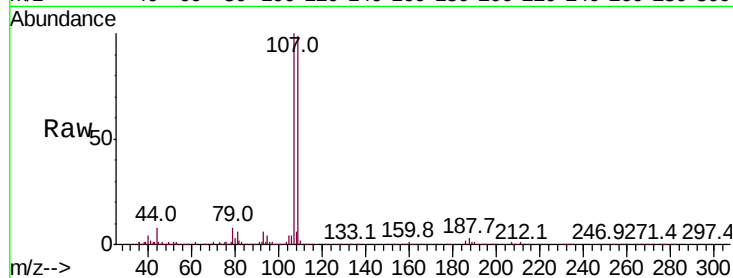
#61
 1,2-Dibromoethane
 Concen: 20.951 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.02 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.9	78.1	117.1

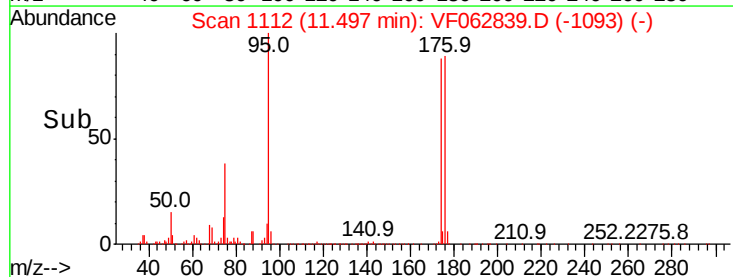
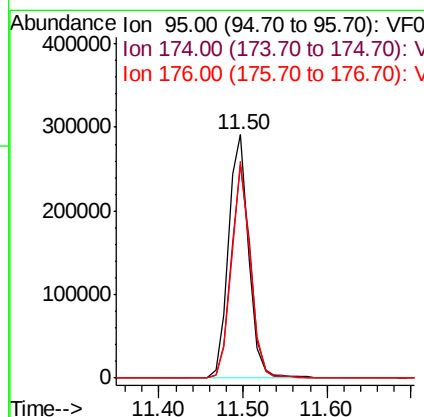
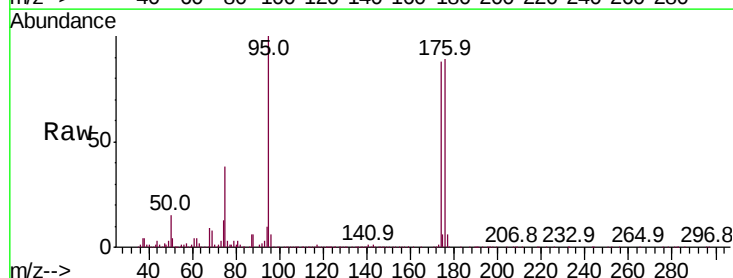
Manual Integrations
 APPROVED

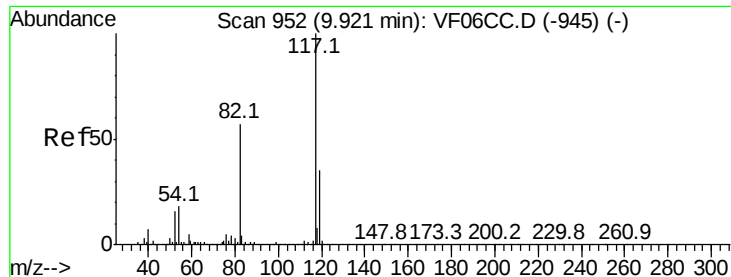
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#62
 4-Bromofluorobenzene
 Concen: 48.030 ug/l
 RT: 11.50 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	170.6
176	89.2	0.0	170.6





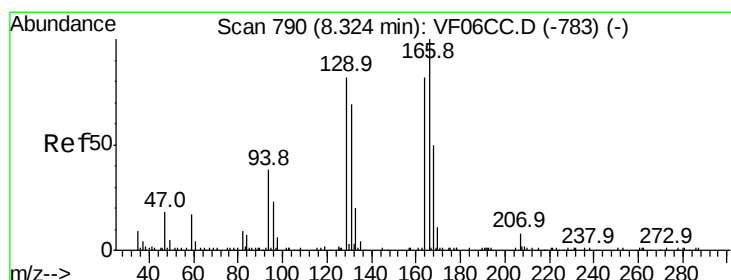
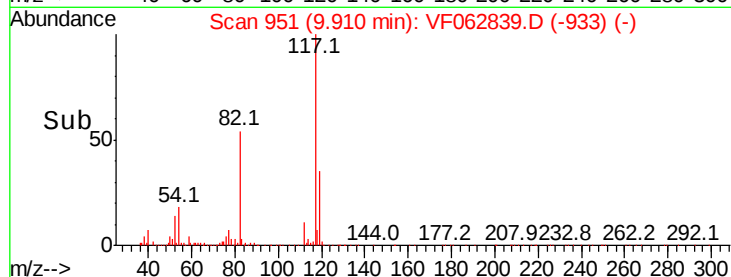
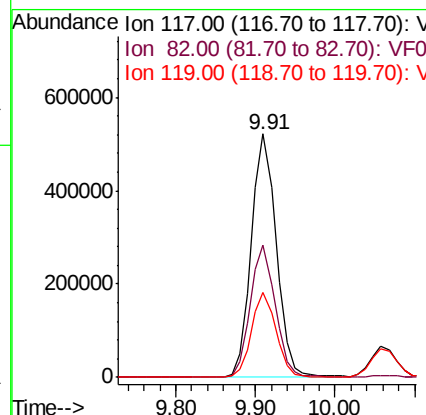
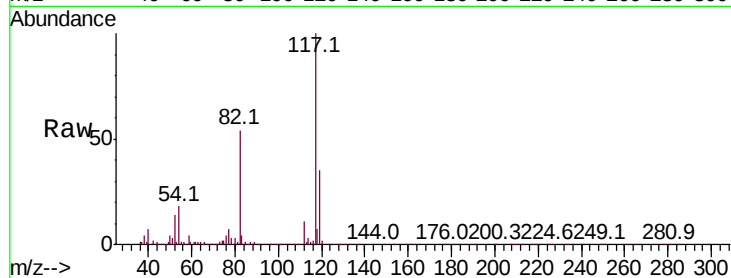
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.4	63.6
119	34.7	27.1	40.7

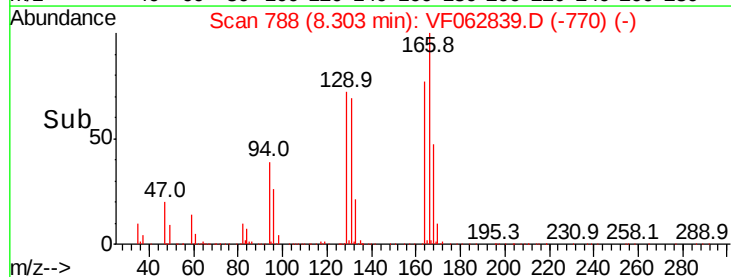
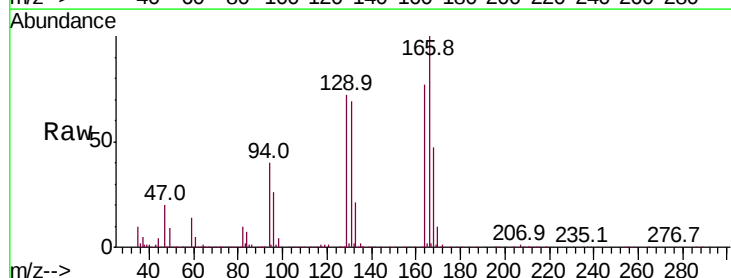
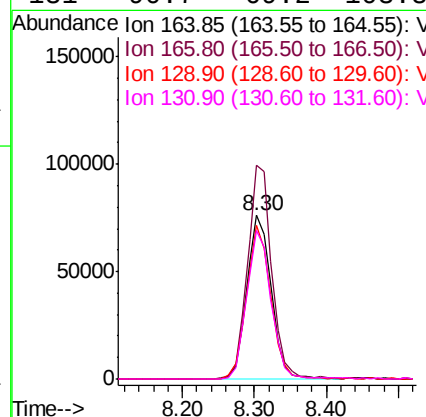
Manual Integrations
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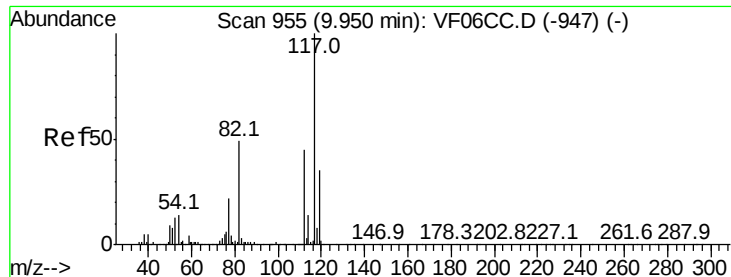
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#64
Tetrachloroethene
Concen: 20.985 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	99.1	148.7
129	94.1	69.5	104.3
131	90.7	69.2	103.8





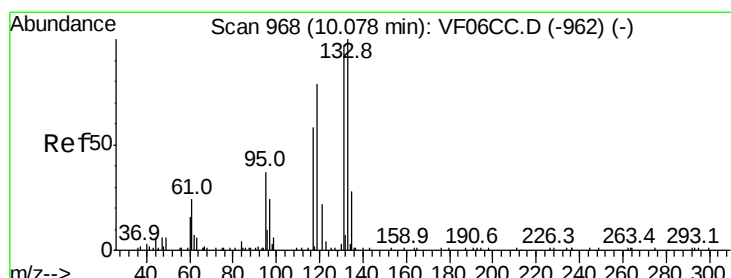
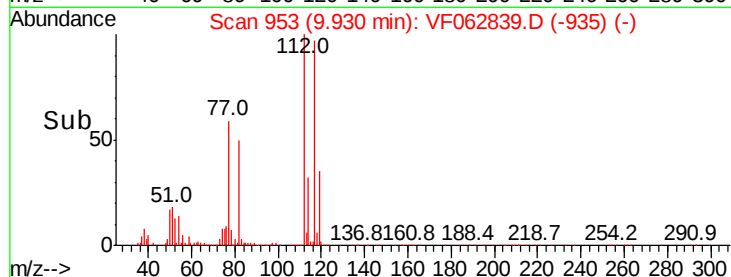
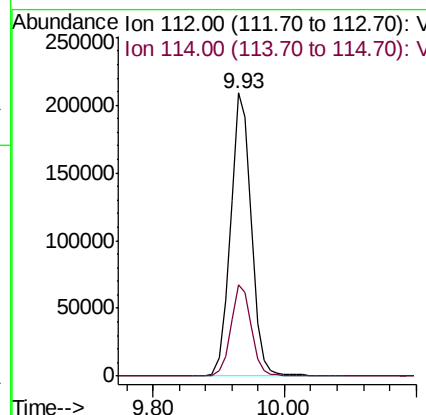
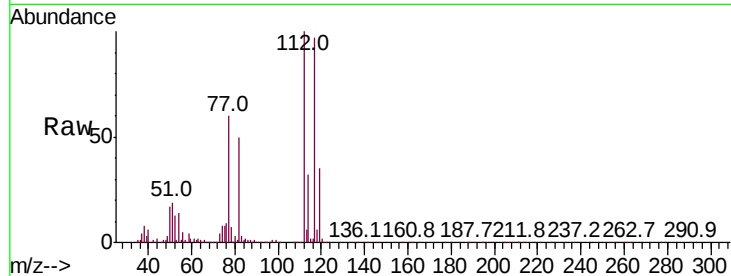
#65
Chlorobenzene
Concen: 21.305 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	462208		
114	32.4	27.4	41.0	

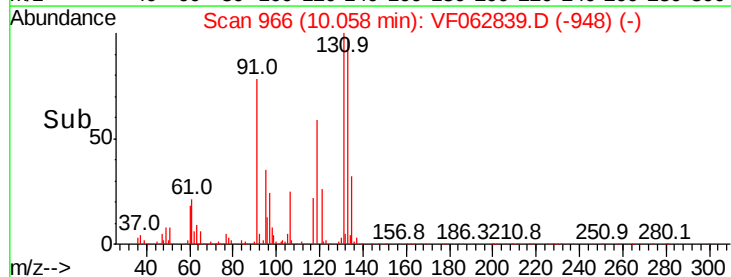
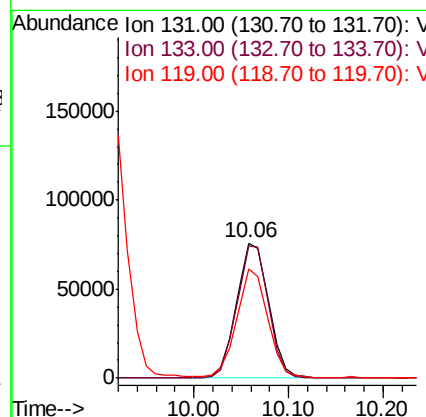
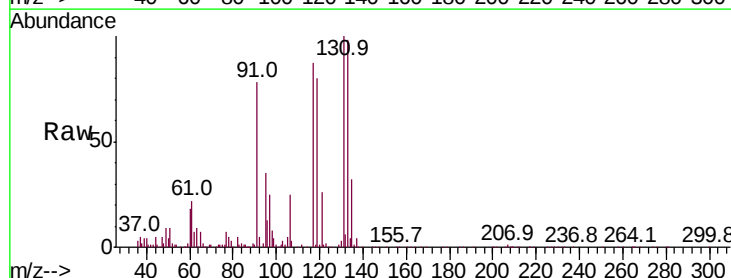
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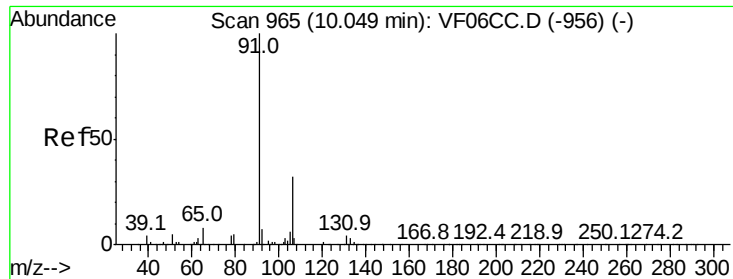
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.752 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	179306		
133	97.5	48.9	146.7	
119	80.5	38.0	114.0	





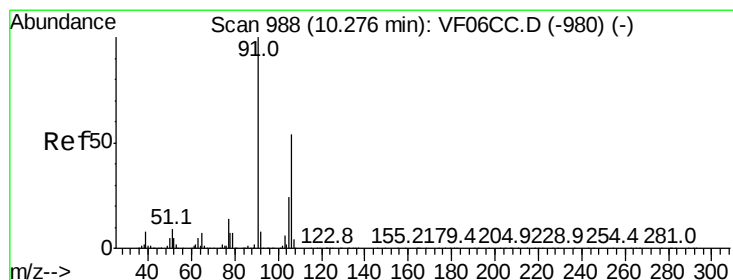
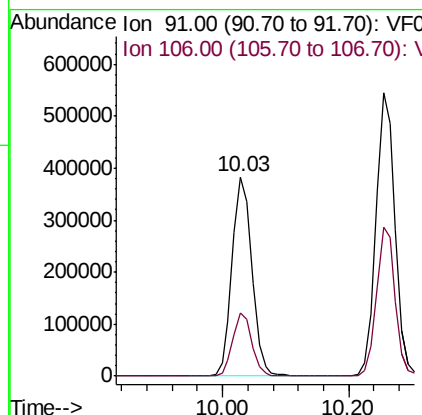
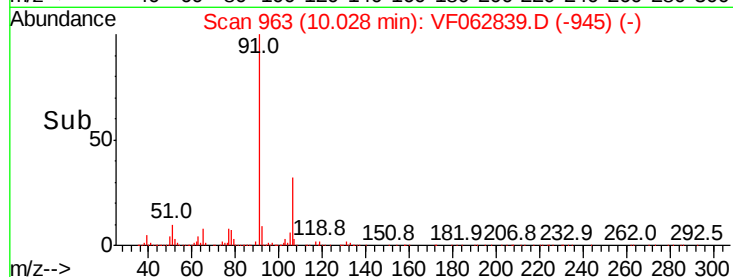
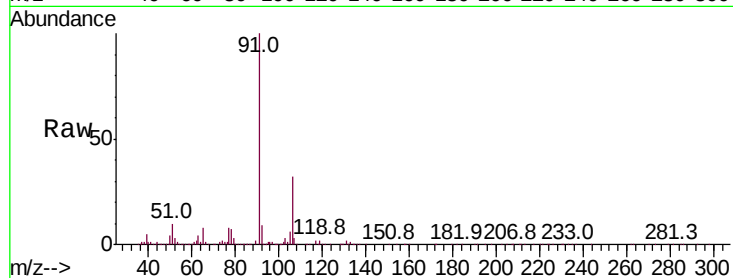
#67
Ethyl Benzene
Concen: 22.341 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion: 91 Resp: 831758
Ion Ratio Lower Upper
91 100
106 31.5 26.0 39.0

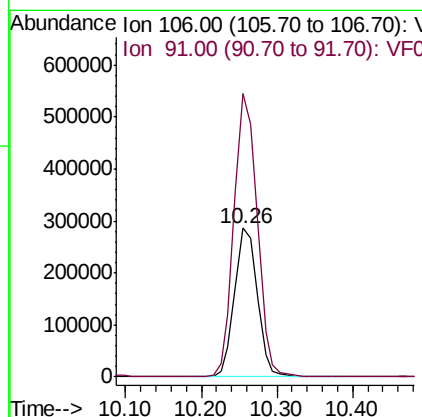
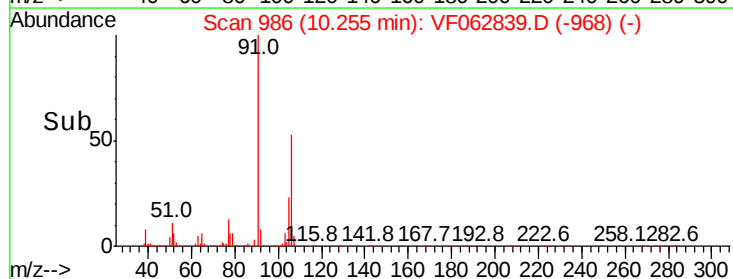
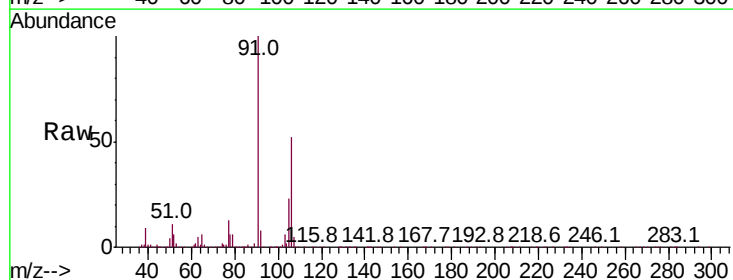
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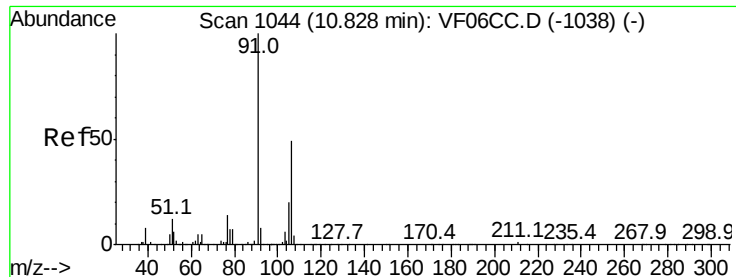
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#68
m/p-Xylenes
Concen: 41.862 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion: 106 Resp: 596380
Ion Ratio Lower Upper
106 100
91 190.7 136.2 204.4





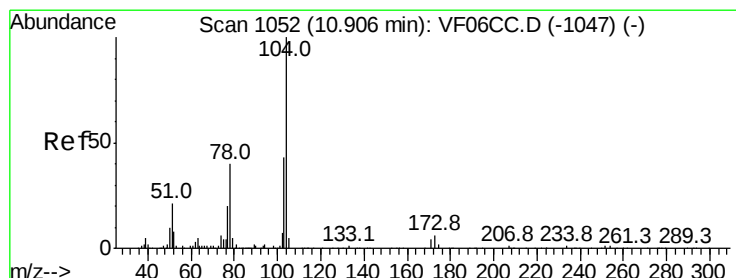
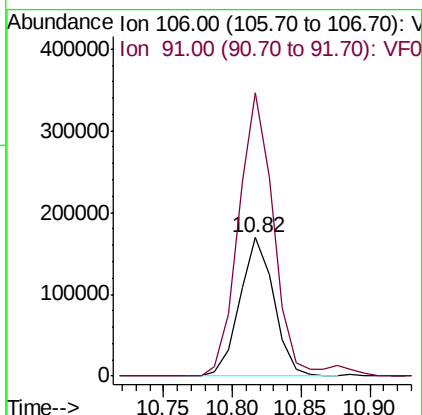
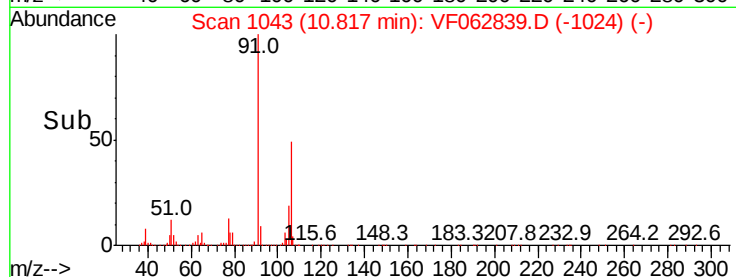
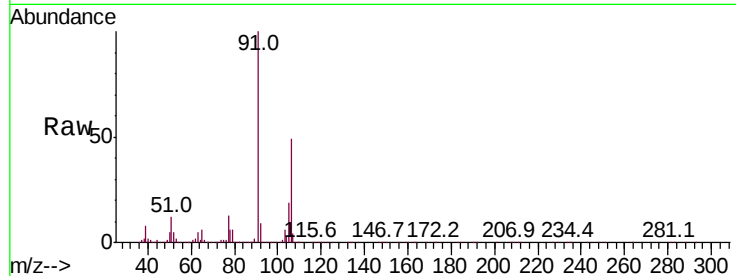
#69
o-Xylene
Concen: 20.327 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleID :
VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	293195		
91	204.8	96.6	289.8	

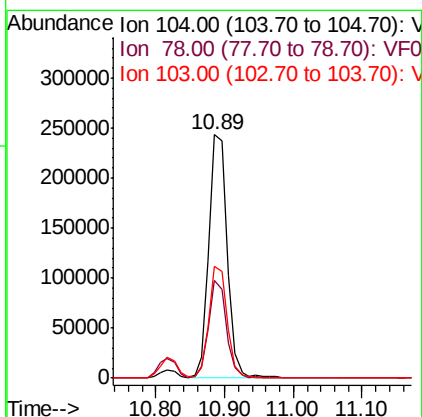
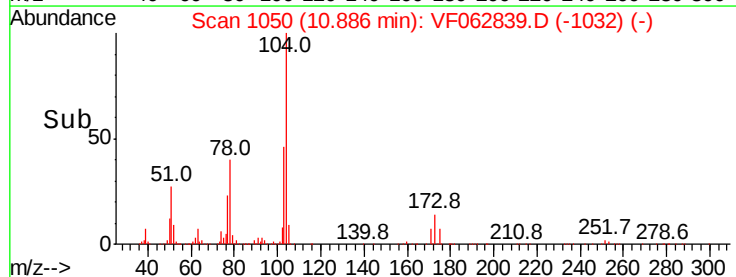
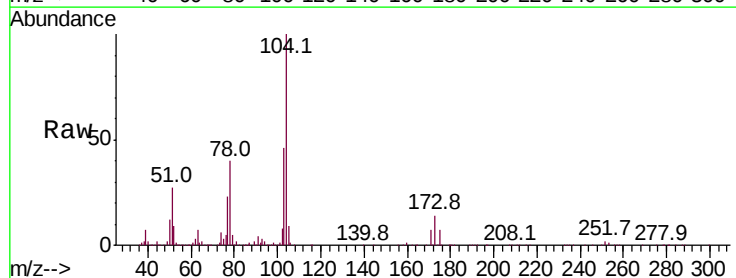
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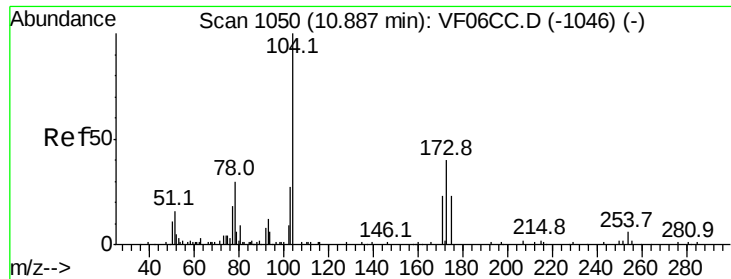
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#70
Styrene
Concen: 21.262 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	452039		
78	40.3	30.8	46.2	
103	46.0	35.8	53.6	





#71

Bromoform

Concen: 19.526 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

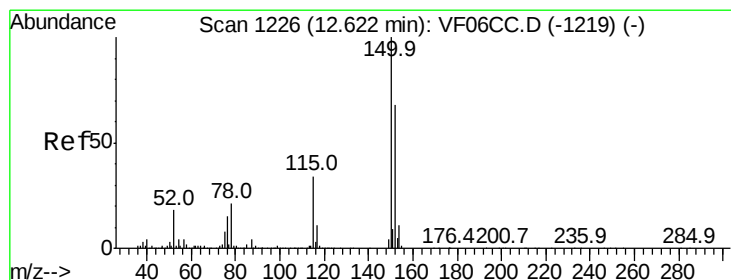
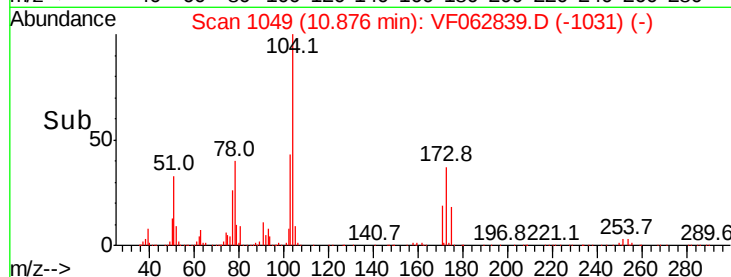
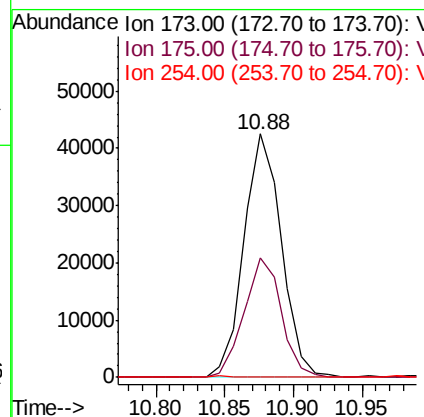
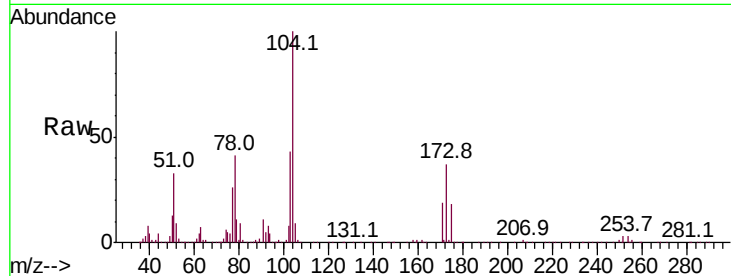
ClientSampleId :

VF0604SBS01

Tot Ion:	173	Resp:	80933
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.6	74.0
254	0.3	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

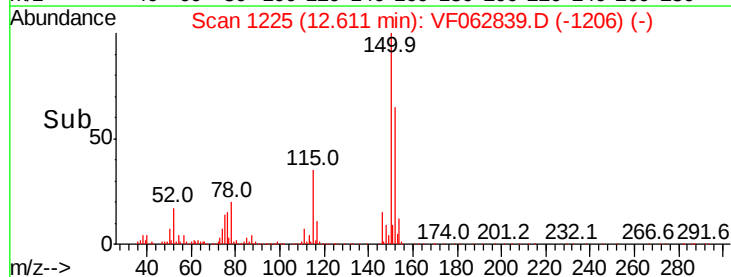
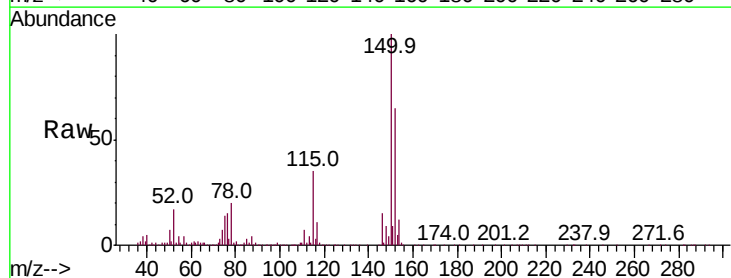
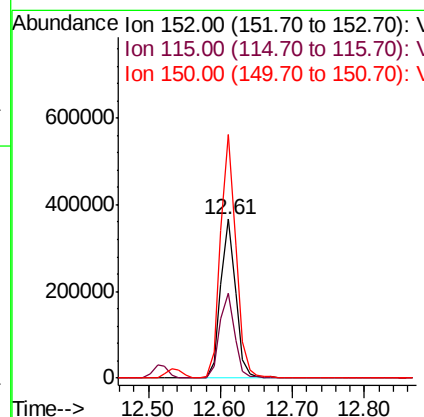
RT: 12.61 min Scan# 1225

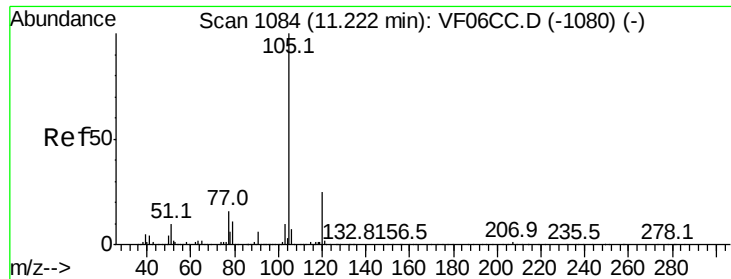
Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion:	152	Resp:	523553
Ion Ratio	Lower	Upper	
152	100		
115	53.4	24.6	74.0
150	153.3	0.0	290.6





#73

Isopropylbenzene

Concen: 21.645 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion:105 Resp: 790710

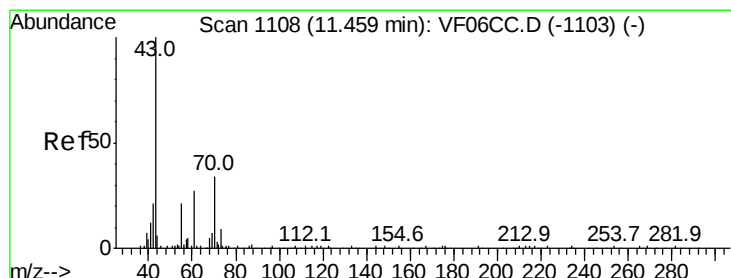
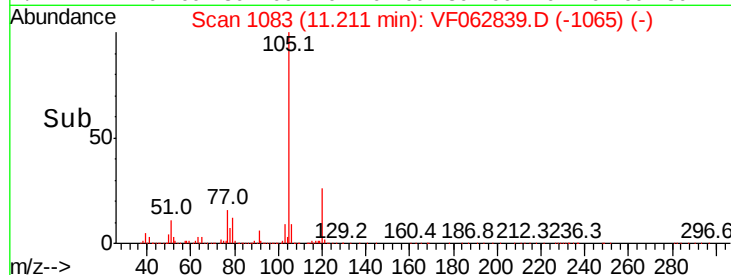
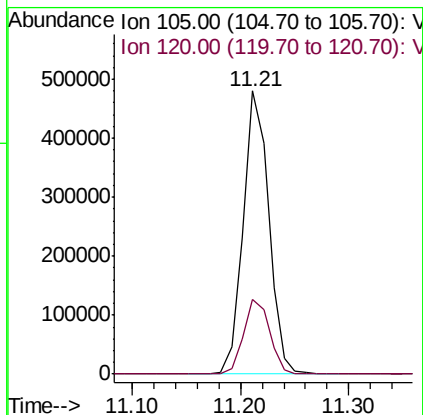
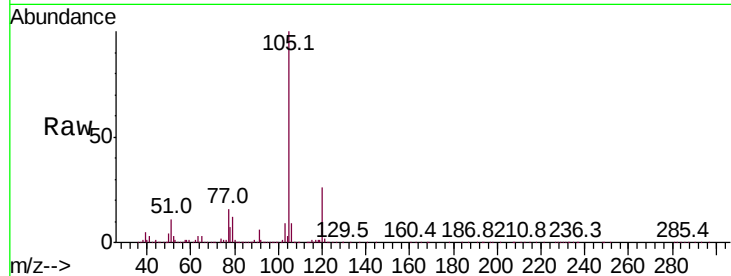
Ion Ratio Lower Upper

105 100

120 26.3 15.1 45.3

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#74

N-ethyl acetate

Concen: 20.813 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion: 43 Resp: 214297

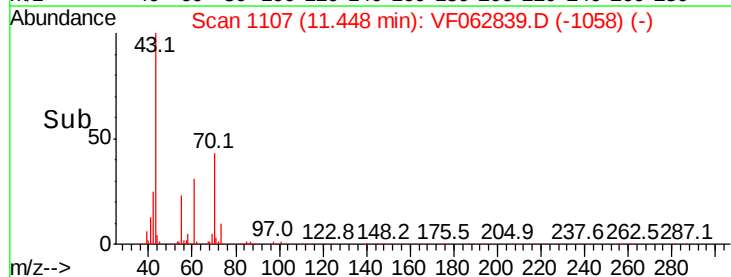
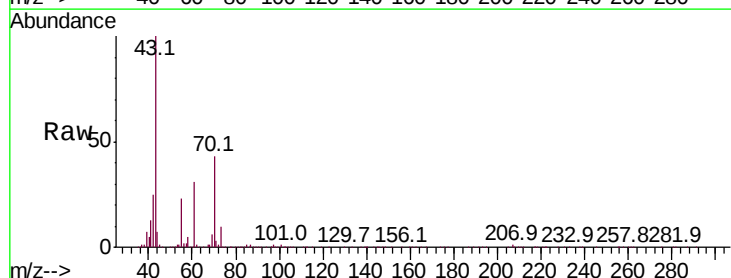
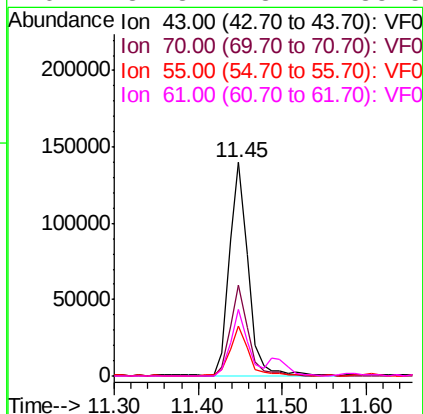
Ion Ratio Lower Upper

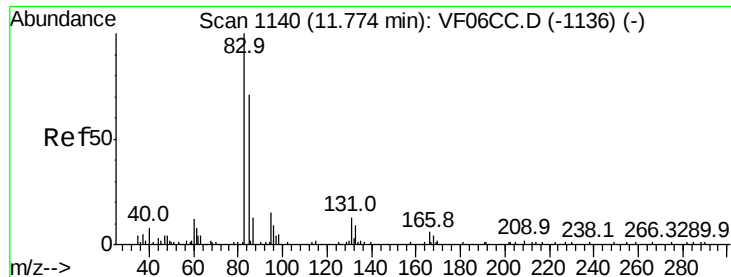
43 100

70 42.7 32.9 49.3

55 23.2 17.3 25.9

61 31.3 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.443 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

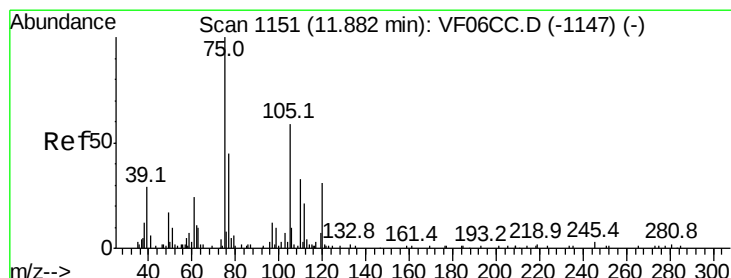
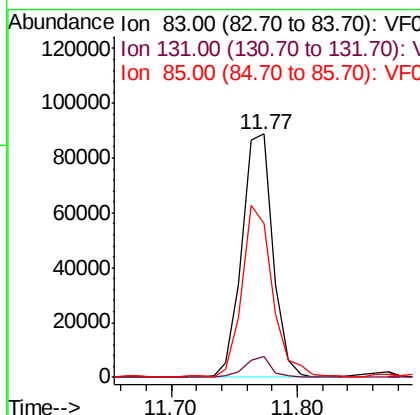
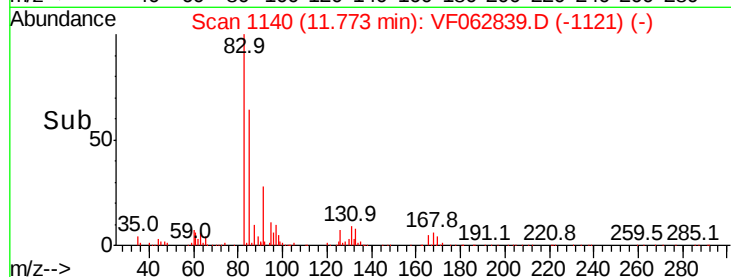
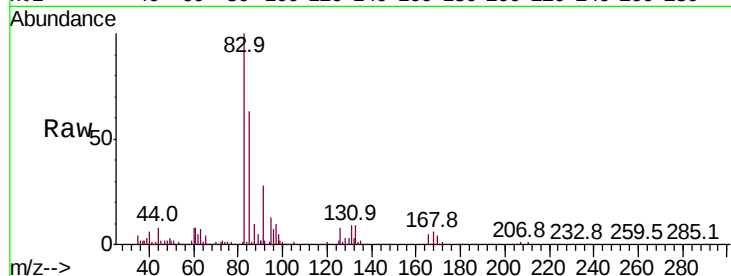
ClientSampleId :

VF0604SBS01

Tot Ion:	83	Resp:	151681
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.9	14.7
85	63.2	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 19.627 ug/l

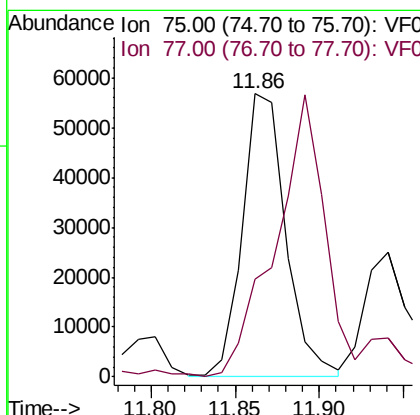
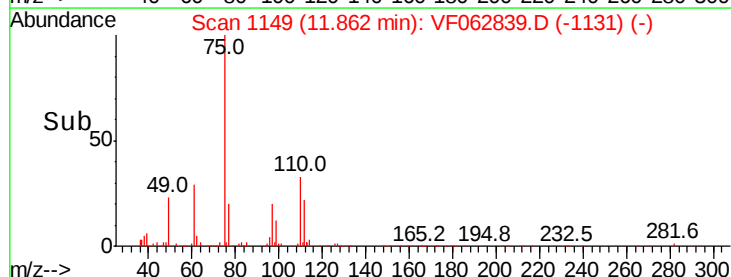
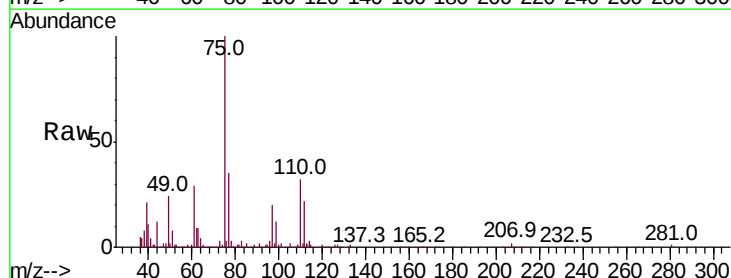
RT: 11.86 min Scan# 1149

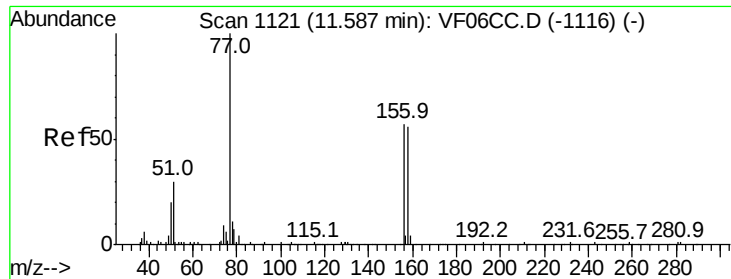
Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion:	75	Resp:	101497
Ion Ratio	Lower	Upper	
75	100		
77	34.6	20.1	60.2





#77

Bromobenzene

Concen: 20.543 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

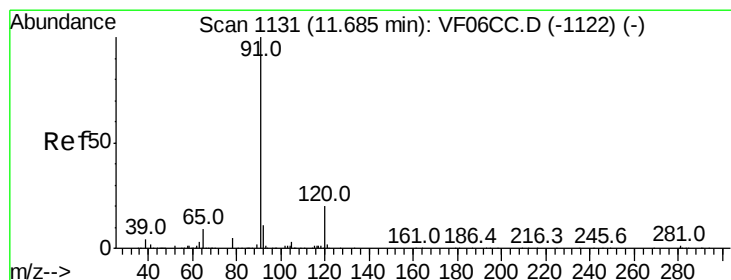
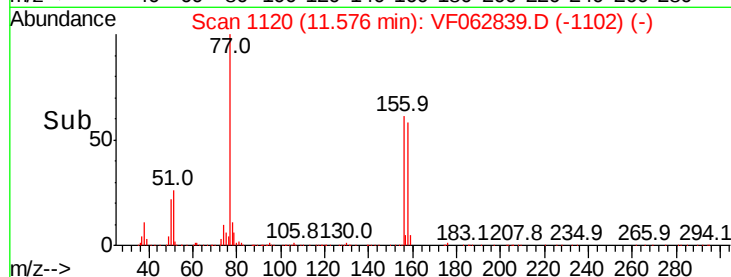
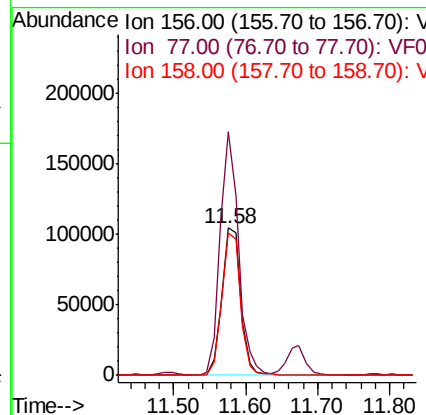
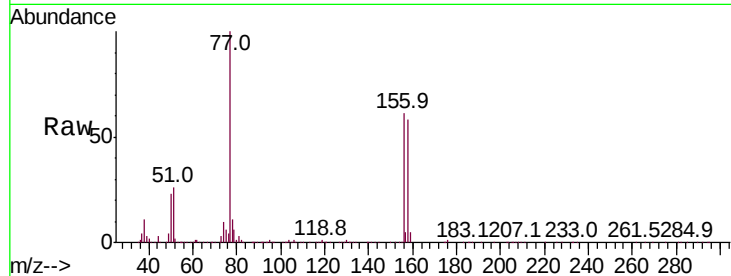
ClientSampleId :

VF0604SBS01

Tot Ion:	156	Resp:	188565
Ion Ratio	Lower	Upper	
156	100		
77	165.0	64.2	192.6
158	96.3	50.3	151.0

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#78

n-propylbenzene

Concen: 21.209 ug/l

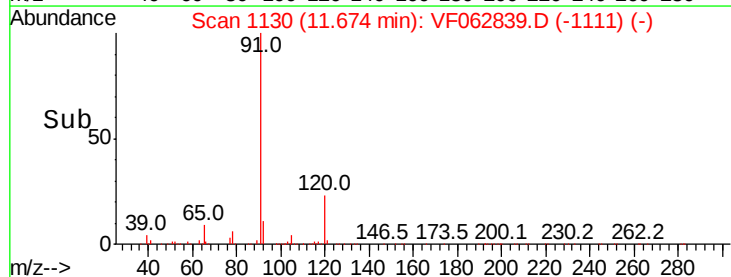
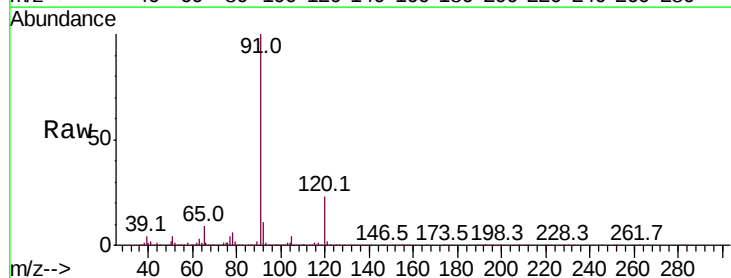
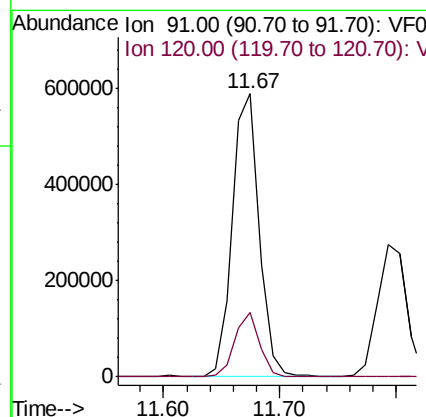
RT: 11.67 min Scan# 1130

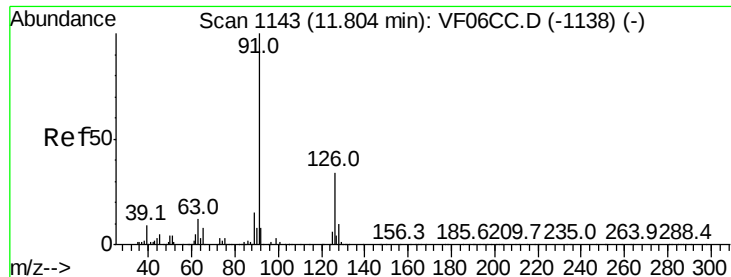
Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion:	91	Resp:	935529
Ion Ratio	Lower	Upper	
91	100		
120	22.7	12.8	38.4





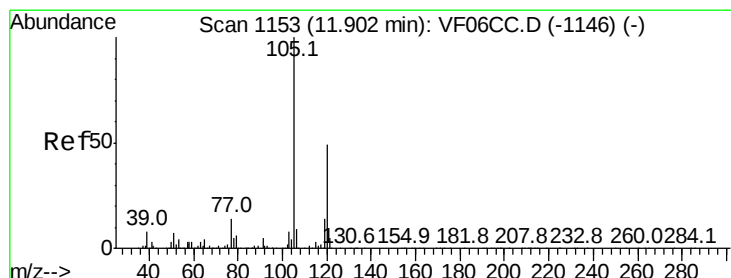
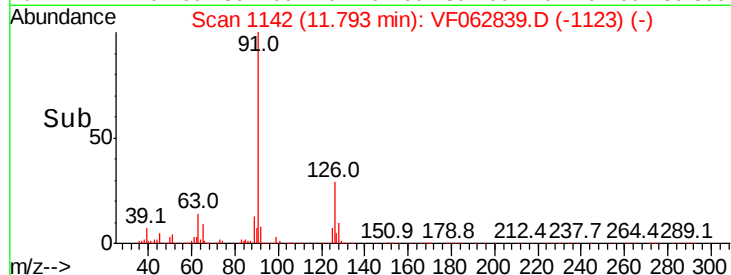
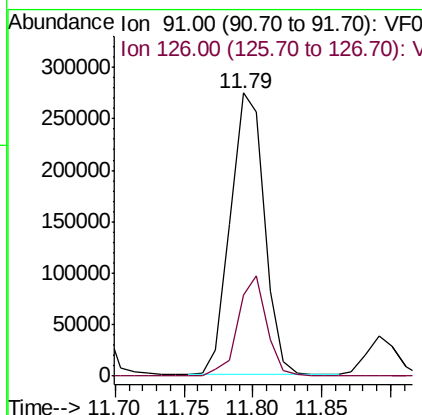
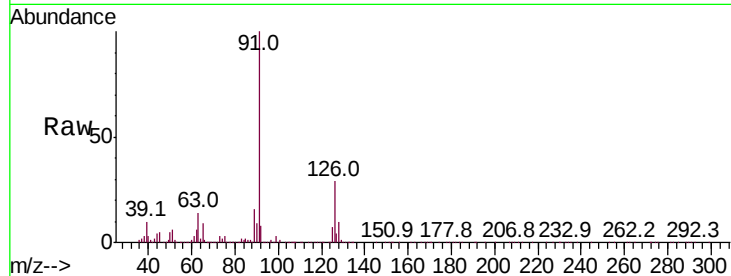
#79
2-Chlorotoluene
Concen: 18.707 ug/l
RT: 11.79 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	28.9	17.8	53.3

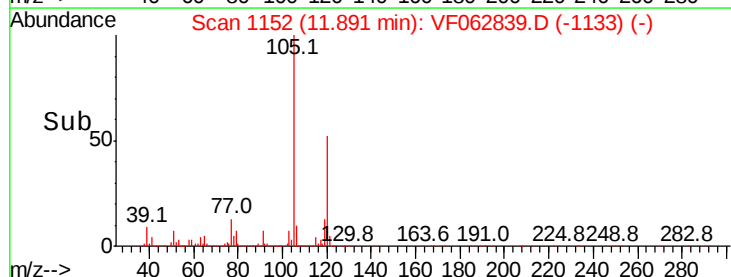
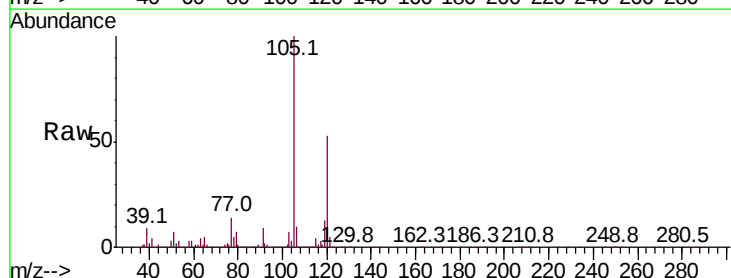
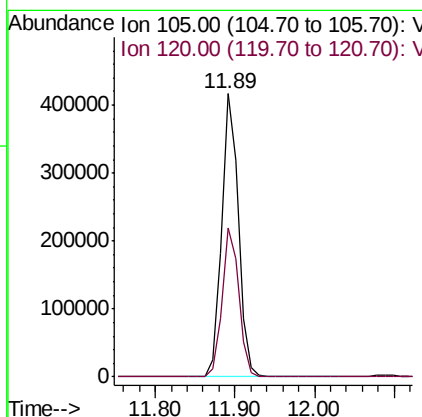
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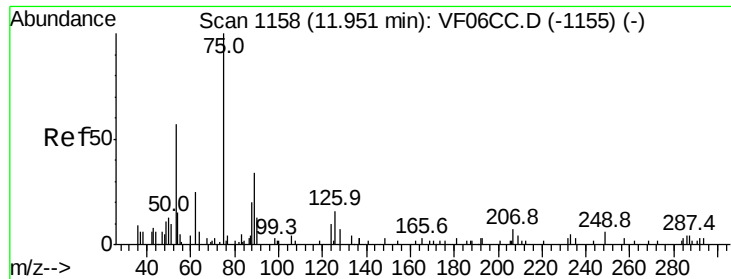
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#80
1,3,5-Trimethylbenzene
Concen: 20.859 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.7	28.7	86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.311 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

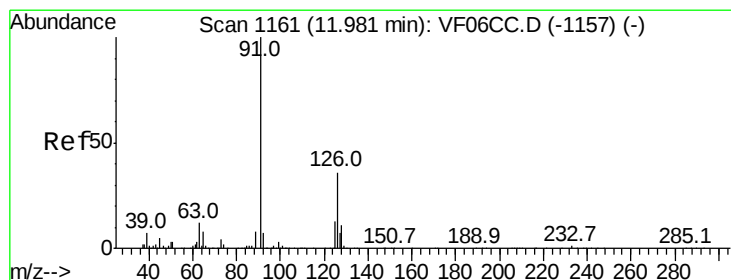
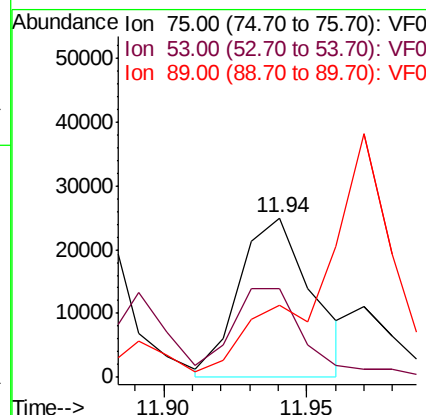
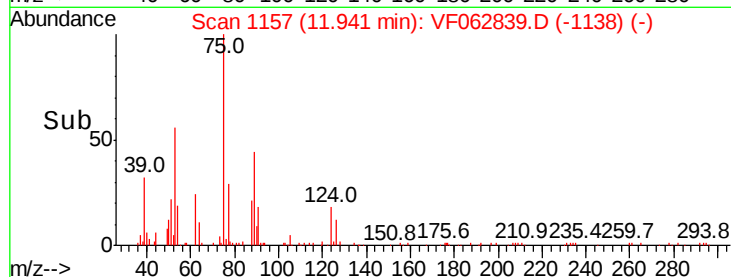
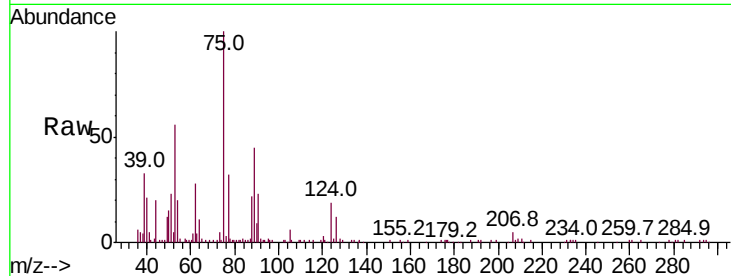
ClientSampleId :

VF0604SBS01

Tot Ion:	75	Resp:	44467
Ion Ratio	Lower	Upper	
75	100		
53	55.6	43.5	65.3
89	45.5	34.3	51.5

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#82

4-Chlorotoluene

Concen: 21.263 ug/l

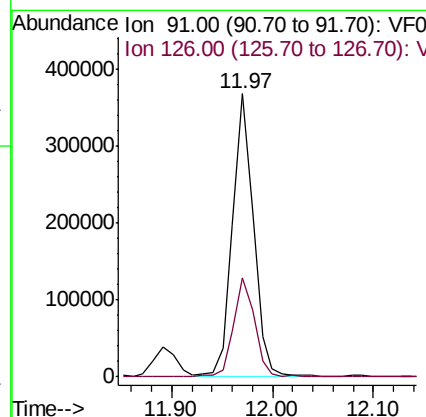
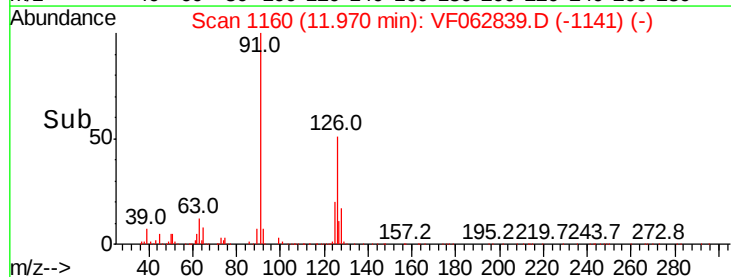
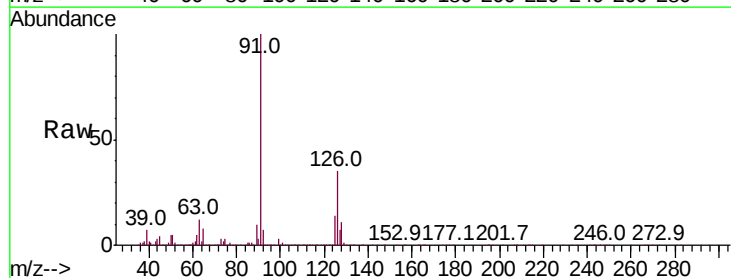
RT: 11.97 min Scan# 1160

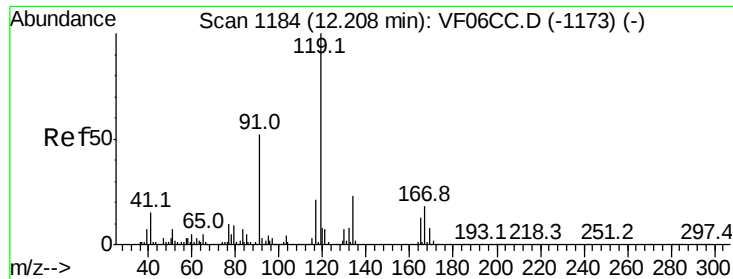
Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion:	91	Resp:	527392
Ion Ratio	Lower	Upper	
91	100		
126	35.1	19.1	57.1





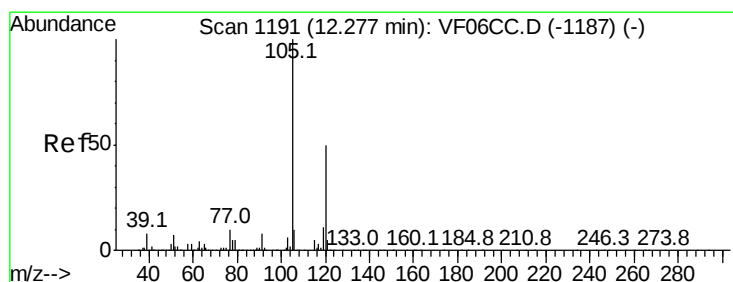
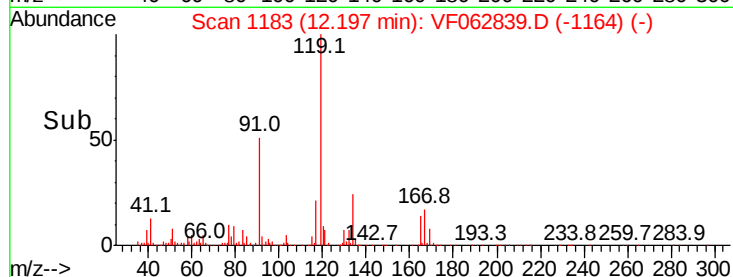
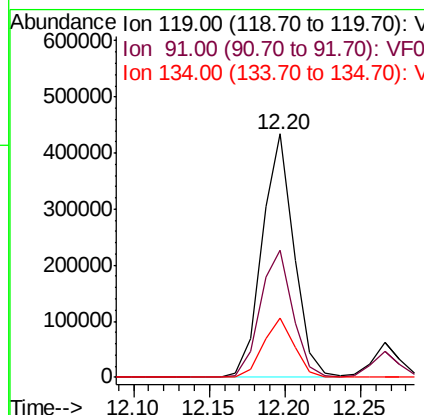
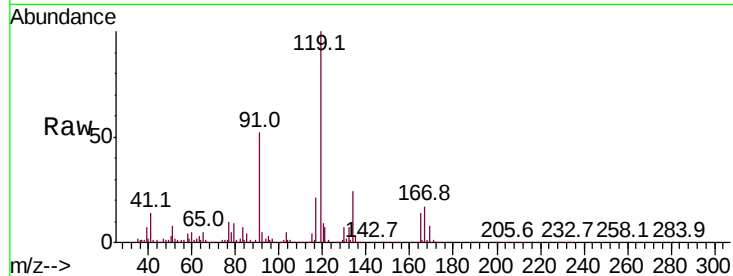
#83
 tert-Butylbenzene
 Concen: 21.529 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	637297		
91	52.1	28.9	86.7	
134	24.4	14.3	42.9	

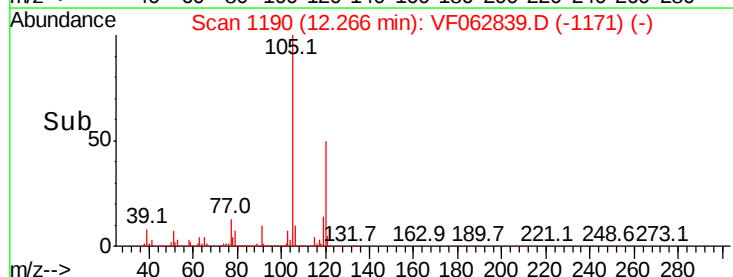
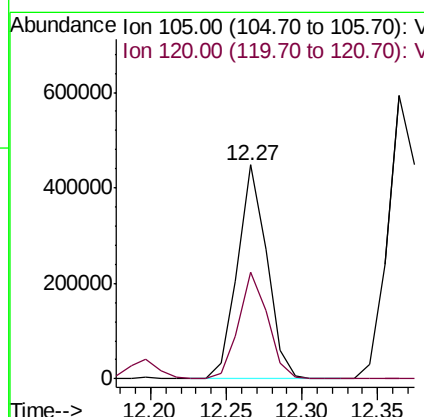
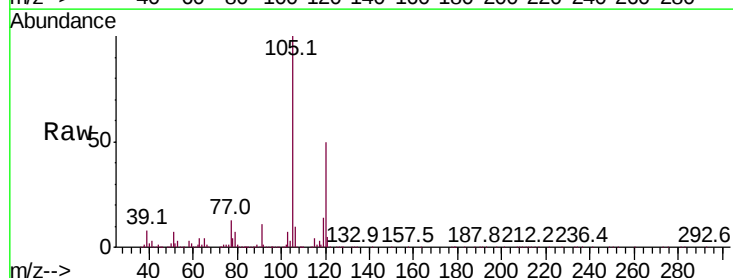
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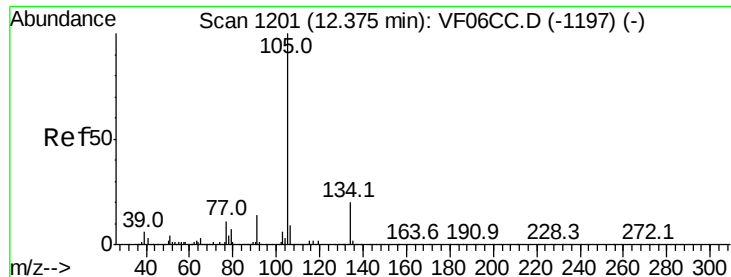
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.468 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	608095		
120	49.8	27.1	81.3	





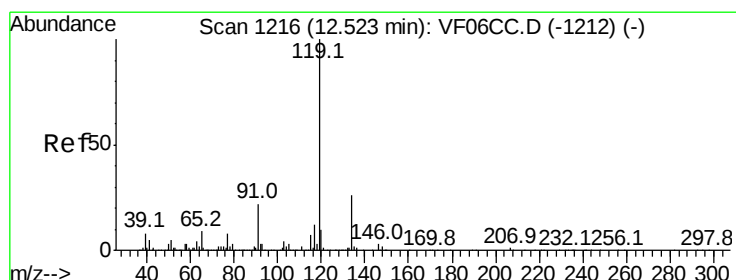
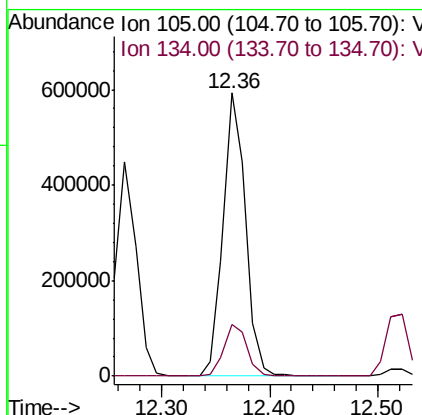
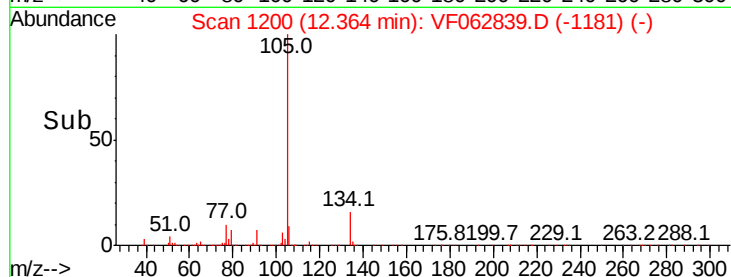
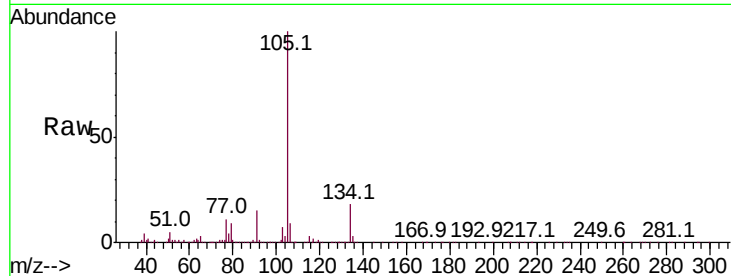
#85
 sec-Butylbenzene
 Concen: 21.951 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	856250		
134	18.1	10.5	31.6	

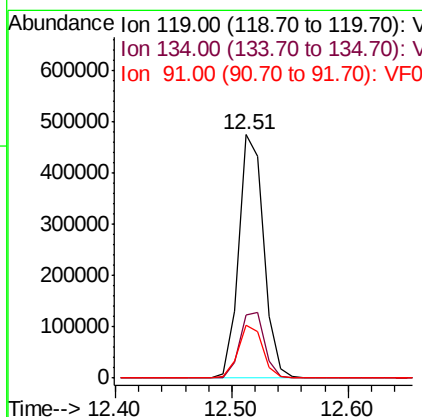
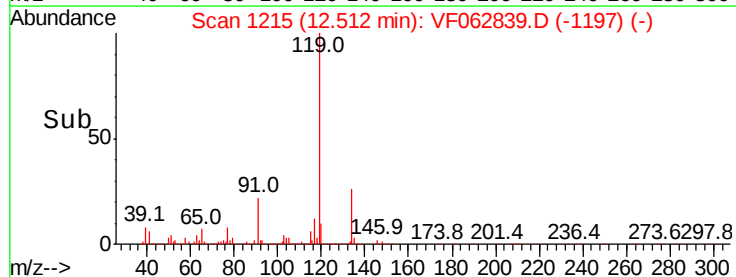
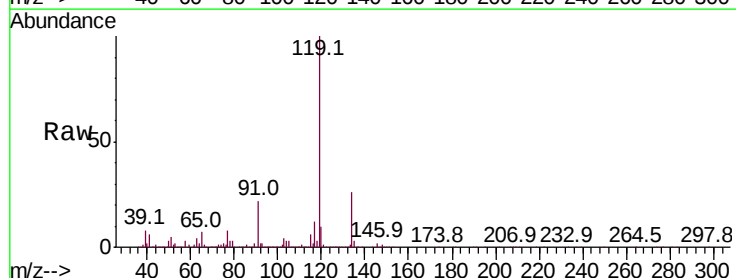
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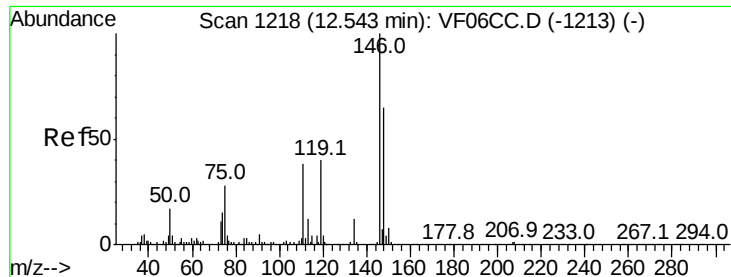
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#86
 p-Isopropyltoluene
 Concen: 21.736 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF062839.D
 Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	705716		
134	26.1	15.5	46.5	
91	21.9	10.3	30.9	





#87

1,3-Dichlorobenzene

Concen: 20.978 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

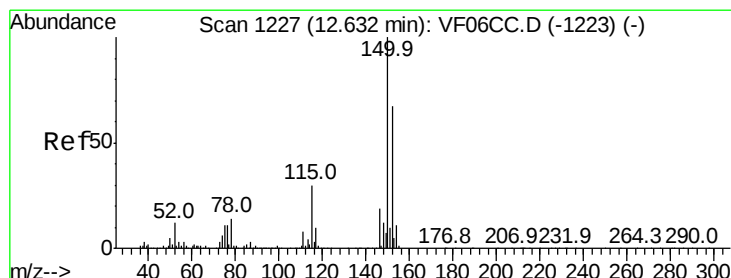
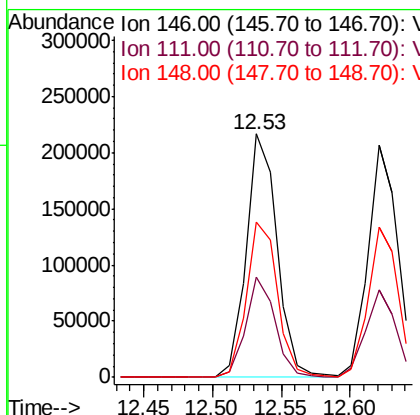
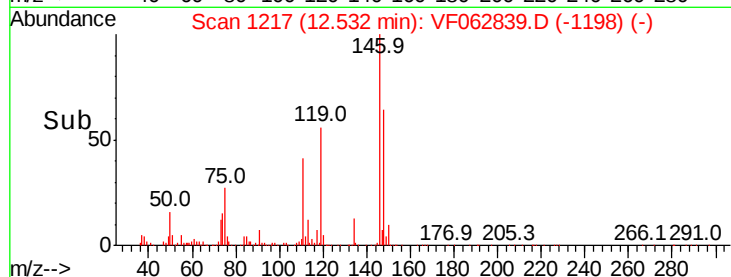
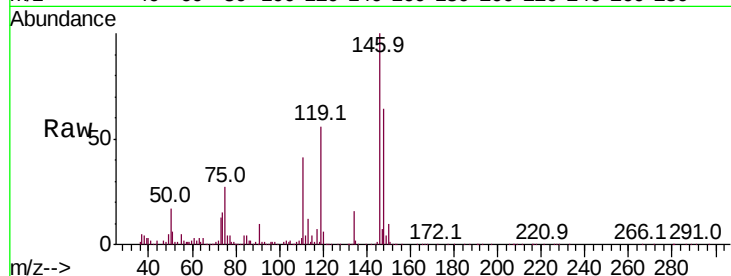
Instrument :
MSVOA_F

ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.6	58.8
148	64.0	34.2	102.5

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#88

1,4-Dichlorobenzene

Concen: 20.856 ug/l

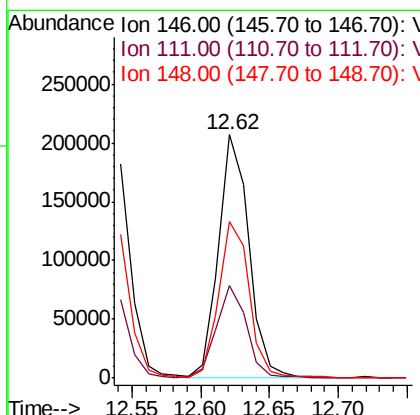
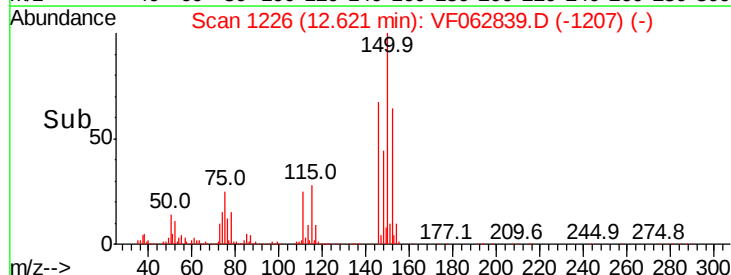
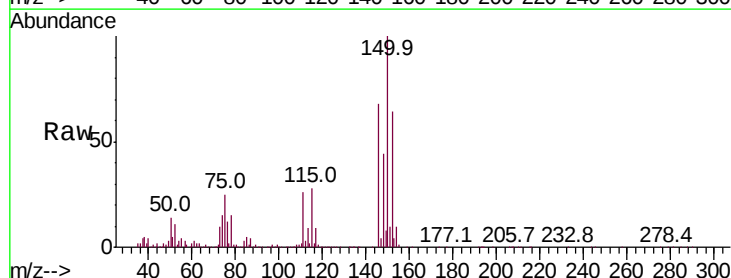
RT: 12.62 min Scan# 1226

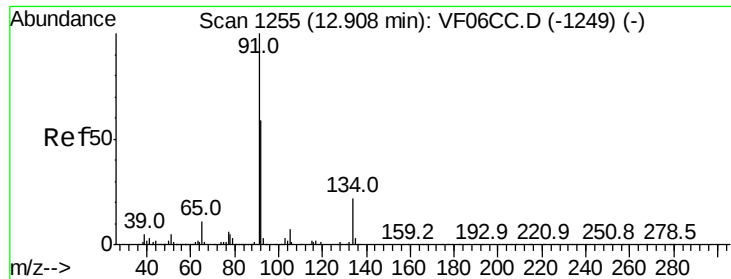
Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.3	60.9
148	64.5	34.0	101.8





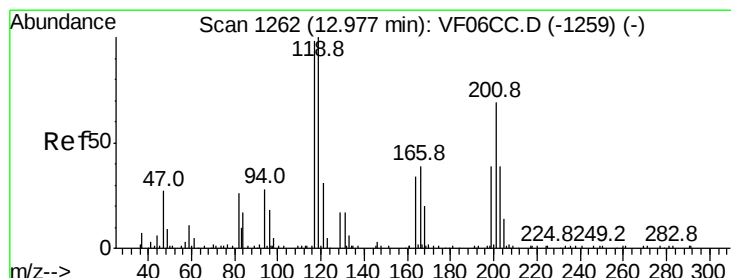
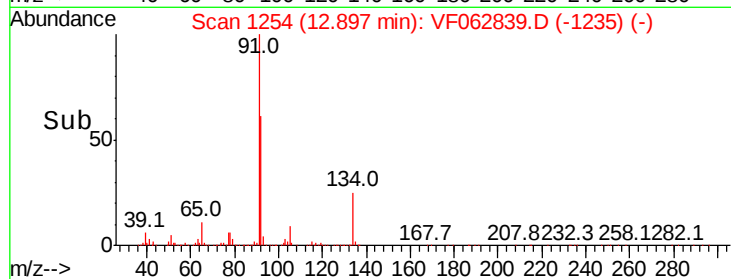
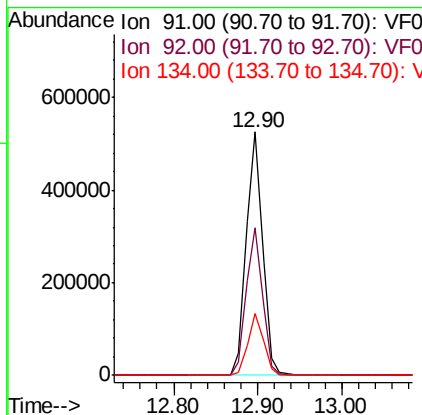
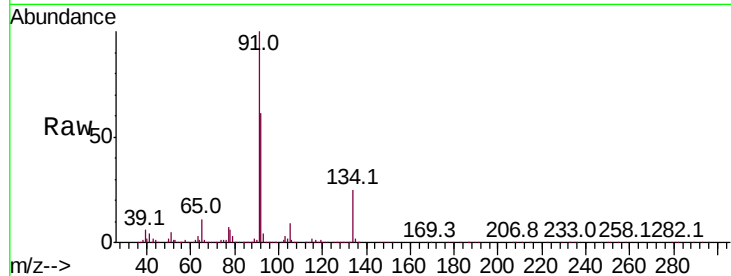
#89
n-Butylbenzene
Concen: 21.834 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.9	34.2	102.6
134	25.4	15.8	47.3

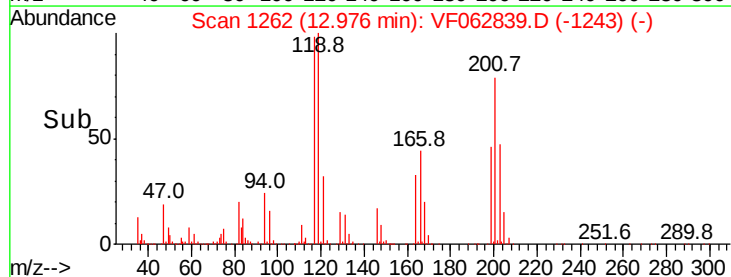
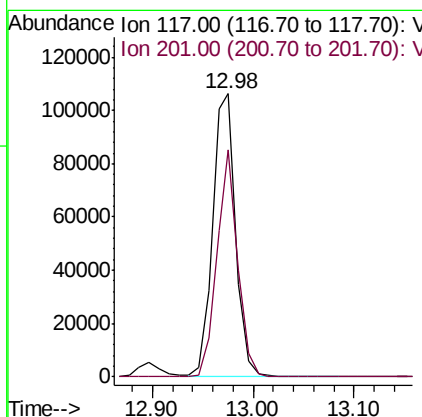
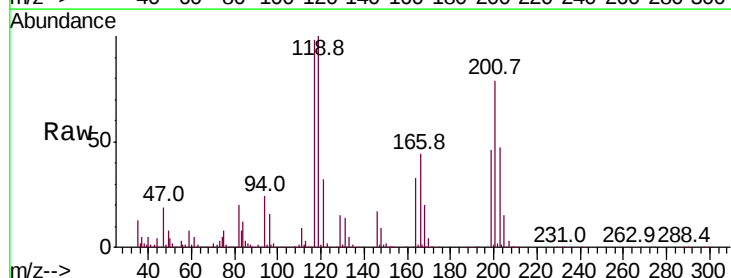
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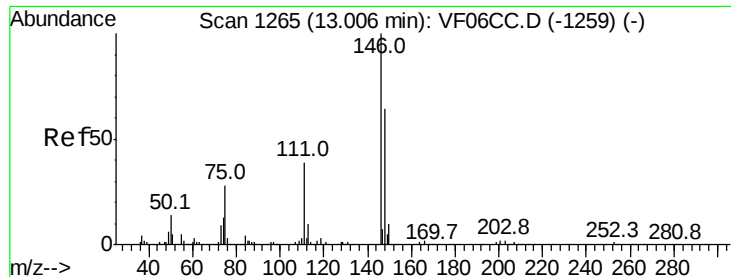
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#90
Hexachloroethane
Concen: 21.380 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 20.924 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

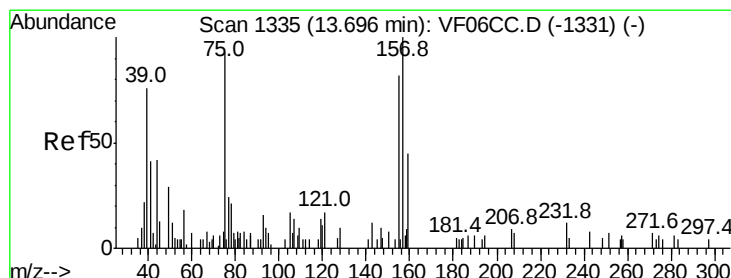
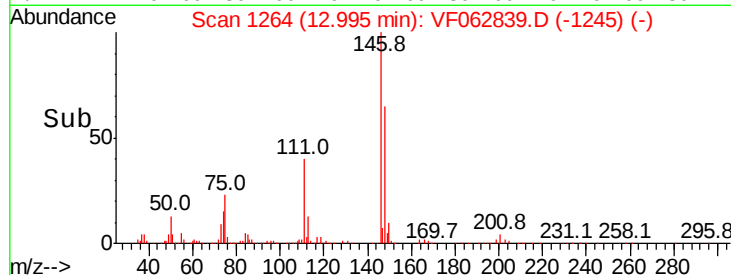
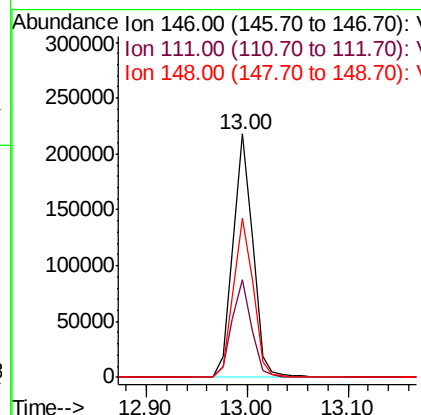
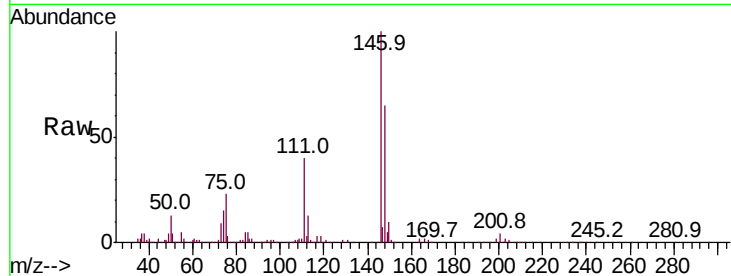
ClientSampleId :

VF0604SBS01

Tot Ion:	146	Resp:	297720
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.4	61.3
148	65.3	34.1	102.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.360 ug/l

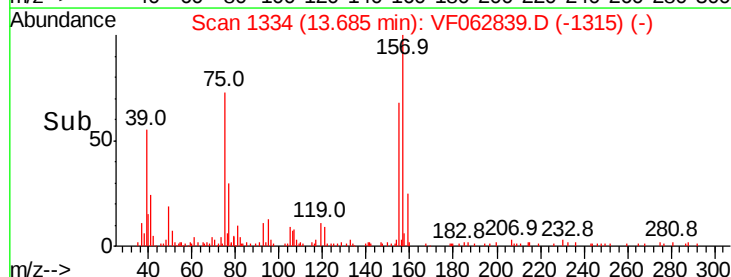
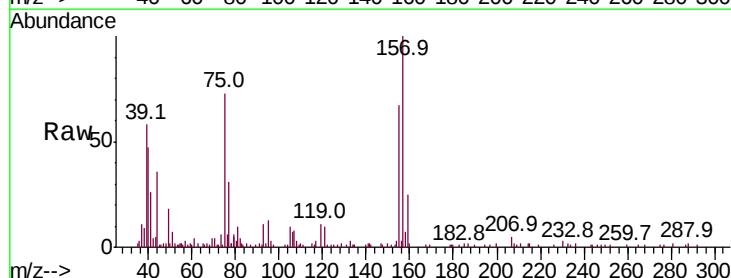
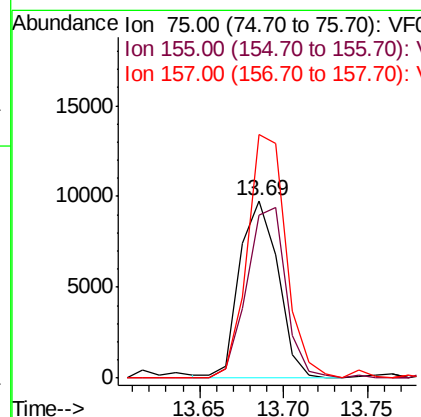
RT: 13.69 min Scan# 1334

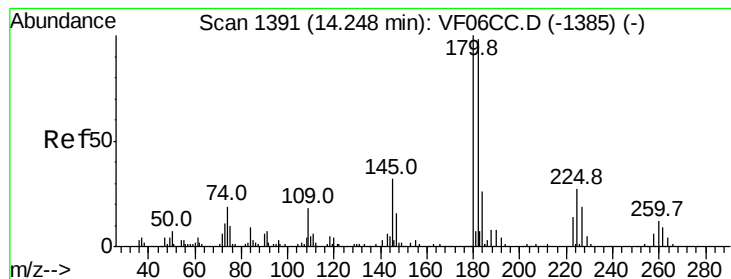
Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion:	75	Resp:	15605
Ion Ratio	Lower	Upper	
75	100		
155	92.0	51.7	155.1
157	146.1	66.8	200.6





#93

1,2,4-Trichlorobenzene

Concen: 20.334 ug/l

RT: 14.24 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Instrument :

MSVOA_F

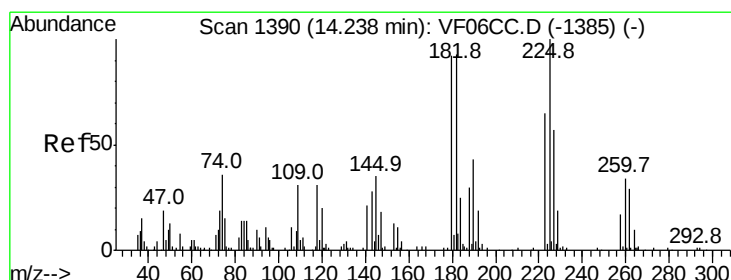
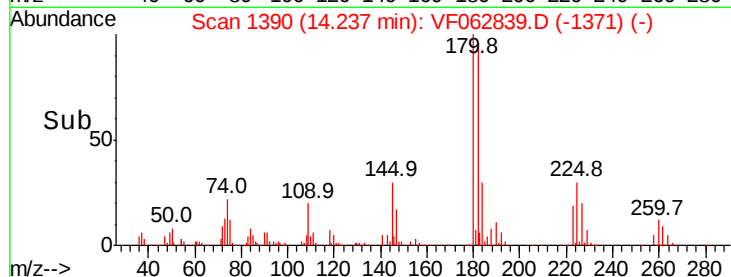
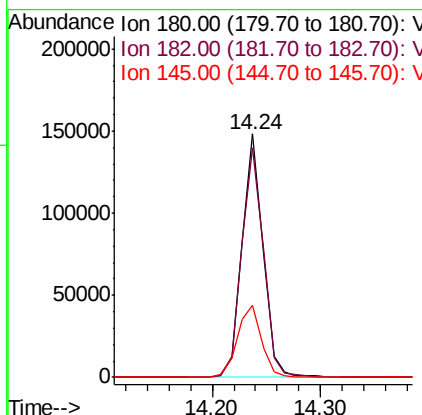
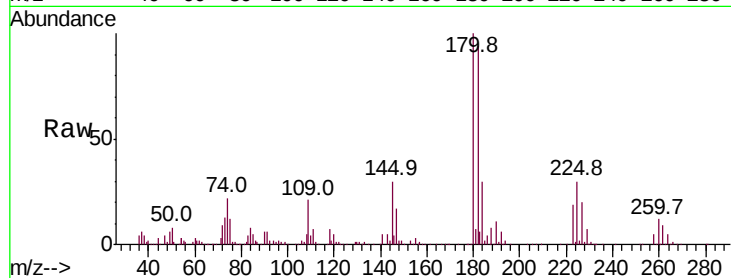
ClientSampleId :

VF0604SBS01

Tot Ion:	180	Resp:	198653
Ion Ratio	Lower	Upper	
180	100		
182	94.1	50.3	150.9
145	29.8	15.4	46.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 8:48:59 AM



#94

Hexachlorobutadiene

Concen: 20.853 ug/l

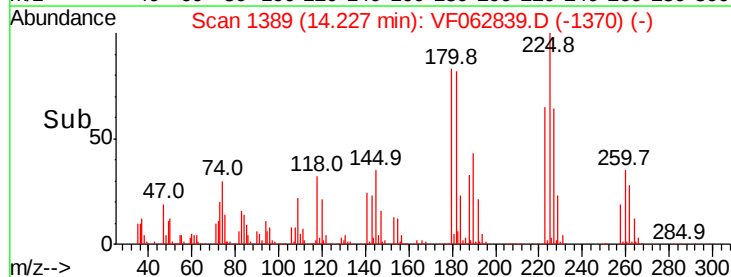
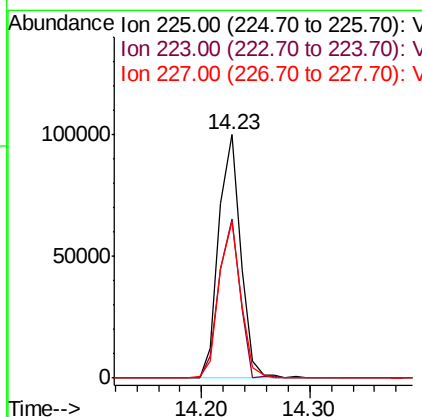
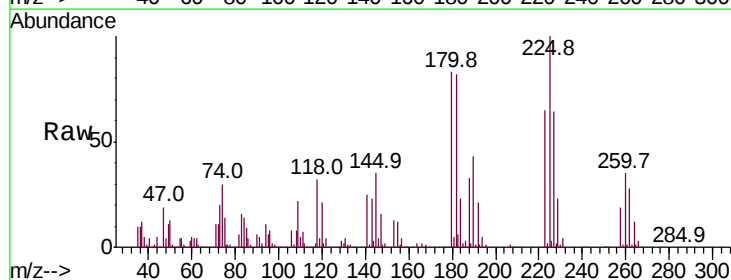
RT: 14.23 min Scan# 1389

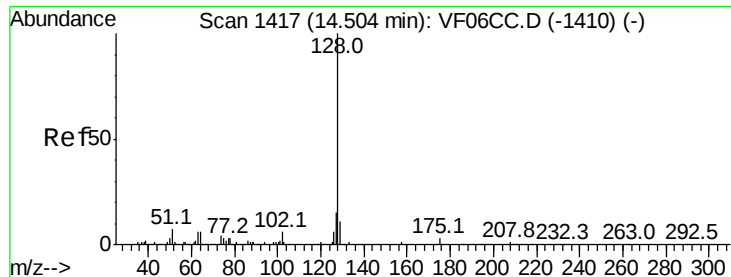
Delta R.T. -0.01 min

Lab File: VF062839.D

Acq: 4 Jun 2019 15:24

Tgt Ion:	225	Resp:	140931
Ion Ratio	Lower	Upper	
225	100		
223	65.5	30.8	92.4
227	64.2	31.9	95.5





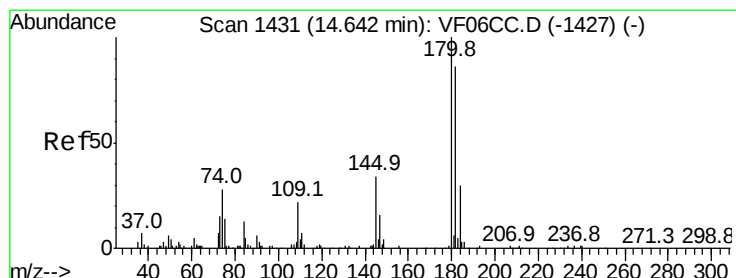
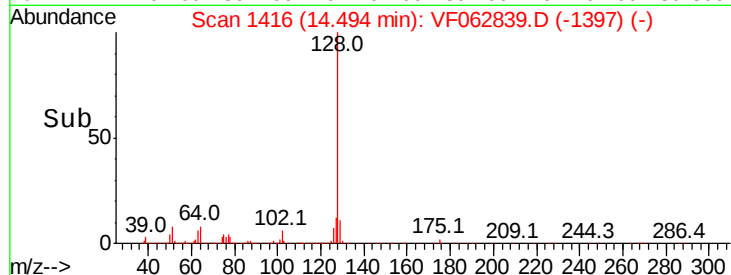
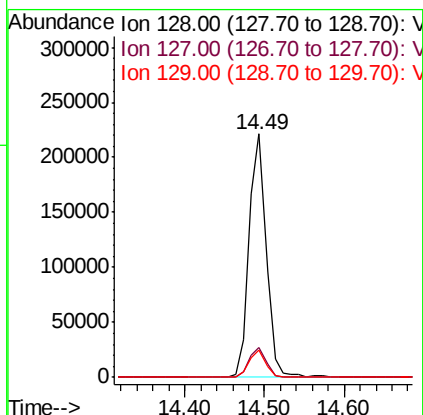
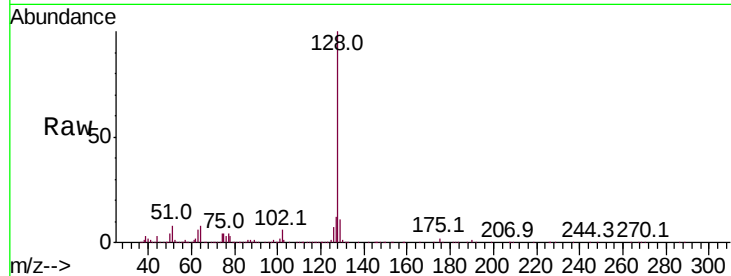
#95
Naphthalene
Concen: 20.347 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.3	9.7	14.5	
129	11.4	9.4	14.2	

Manual Integrations
APPROVED

MMDadoda
6/6/2019 8:48:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.889 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062839.D
Acq: 4 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	48.6	145.9	
145	32.0	15.7	47.0	

