

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062721.D
 Acq On : 23 May 2019 12:38
 Operator : FY/SY
 Sample : VF0523SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 11:15:54 AM

Quant Time: May 24 02:26:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	820598	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1340810	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	974511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	464533	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	255764	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
35) Dibromofluoromethane	4.31	113	483536	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
50) Toluene-d8	7.71	98	1061208	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	
62) 4-Bromofluorobenzene	11.49	95	375422	40.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	80.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	213316	19.102	ug/l	97
3) Chloromethane	1.15	50	164962	16.043	ug/l	92
4) Vinyl Chloride	1.18	62	175433	18.535	ug/l	96
5) Bromomethane	1.39	94	91450	17.662	ug/l	92
6) Chloroethane	1.45	64	62189	17.890	ug/l #	86
7) Trichlorofluoromethane	1.56	101	260266	20.479	ug/l	96
8) Diethyl Ether	1.71	74	42768	16.987	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.91	101	170757	21.101	ug/l	93
10) Methyl Iodide	1.98	142	324325	20.402	ug/l	93
11) Tert butyl alcohol	2.71	59	38013	99.293	ug/l	100
12) 1,1-Dichloroethene	1.87	96	147571	20.019	ug/l	96
13) Acrolein	2.10	56	33251	83.205	ug/l	83
14) Allyl chloride	2.20	41	128928m	19.324	ug/l	
15) Acrylonitrile	3.10	53	130029	120.406	ug/l	97
16) Acetone	2.35	43	127513	84.761	ug/l	93
17) Carbon Disulfide	1.91	76	407381	18.645	ug/l	95
18) Methyl Acetate	2.47	43	52250	22.102	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	274260	20.812	ug/l	97
20) Methylene Chloride	2.34	84	149762m	19.861	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	156782	21.760	ug/l	88
22) Diisopropyl ether	2.94	45	303550	18.447	ug/l	96
23) Vinyl Acetate	3.34	43	1131912	101.972	ug/l	99
24) 1,1-Dichloroethane	3.01	63	233225	19.320	ug/l	98
25) 2-Butanone	4.53	43	300384	93.458	ug/l	100
26) 2,2-Dichloropropane	3.78	77	157857	22.855	ug/l	90
27) cis-1,2-Dichloroethene	3.65	96	269777	22.762	ug/l	95
28) Bromochloromethane	3.90	49	135390	19.998	ug/l	100
29) Tetrahydrofuran	4.27	42	126150	96.991	ug/l	96
30) Chloroform	4.05	83	382679	22.833	ug/l	100
31) Cyclohexane	3.87	56	312782	19.298	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	239992	21.561	ug/l	96
36) 1,1-Dichloropropene	4.47	75	285026	20.746	ug/l	97
37) Ethyl Acetate	4.30	43	102343	18.244	ug/l #	89
38) Carbon Tetrachloride	4.18	117	219221	21.216	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	355976	21.533	ug/l	91
40) Benzene	4.82	78	830988	22.202	ug/l	98
41) Methacrylonitrile	4.93	41	58069	19.745	ug/l	98
42) 1,2-Dichloroethane	5.13	62	155141	20.785	ug/l	89
43) Isopropyl Acetate	7.11	43	126787	17.445	ug/l #	90
44) Trichloroethene	5.68	130	227293	21.607	ug/l	94
45) 1,2-Dichloropropane	6.41	63	200693	21.241	ug/l	90
46) Dibromomethane	6.26	93	115798	21.206	ug/l	97
47) Bromodichloromethane	6.55	83	238417	21.032	ug/l	98
48) Methyl methacrylate	6.87	41	65011	17.114	ug/l	96
49) 1,4-Dioxane	6.87	88	17133	352.148	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	461968	92.995	ug/l	100
52) Toluene	7.78	92	405565	20.661	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	187792	20.249	ug/l	89
54) cis-1,3-Dichloropropene	7.45	75	281882	21.713	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	117879	20.282	ug/l	97
56) Ethyl methacrylate	8.75	69	121110	17.490	ug/l	97
57) 1,3-Dichloropropane	8.99	76	195169	19.715	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.44	63	198298	87.981	ug/l	97
59) 2-Hexanone	9.62	43	301102	81.120	ug/l	97
60) Dibromochloromethane	8.85	129	160227	21.152	ug/l	100
61) 1,2-Dibromoethane	9.13	107	130009	21.060	ug/l	94
64) Tetrachloroethene	8.30	164	169061	21.898	ug/l	97
65) Chlorobenzene	9.93	112	413400	21.598	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	168811	21.970	ug/l	99
67) Ethyl Benzene	10.03	91	715022	21.504	ug/l	98
68) m/p-Xylenes	10.25	106	525002	42.010	ug/l	89
69) o-Xylene	10.81	106	289484	22.489	ug/l	99
70) Styrene	10.88	104	411590	21.037	ug/l	100
71) Bromoform	10.87	173	79041	20.539	ug/l #	99
73) Isopropylbenzene	11.21	105	761007	22.857	ug/l	94
74) N-amyl acetate	11.45	43	190385	19.144	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	147938	21.743	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	87498	19.571	ug/l	100
77) Bromobenzene	11.57	156	176144	21.284	ug/l	97
78) n-propylbenzene	11.66	91	852194	21.628	ug/l	90
79) 2-Chlorotoluene	11.79	91	481013	21.662	ug/l	94
80) 1,3,5-Trimethylbenzene	11.89	105	590182	22.107	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	39366m	19.809	ug/l	
82) 4-Chlorotoluene	11.97	91	466305	21.295	ug/l	98
83) tert-Butylbenzene	12.19	119	606408	22.389	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	571253	22.108	ug/l	92
85) sec-Butylbenzene	12.36	105	815313	22.430	ug/l	97
86) p-Isopropyltoluene	12.51	119	686528	22.412	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	320912	21.433	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	302894	21.557	ug/l	98
89) n-Butylbenzene	12.89	91	703181	23.282	ug/l	91
90) Hexachloroethane	12.96	117	167244	22.759	ug/l	91
91) 1,2-Dichlorobenzene	12.99	146	293400	21.983	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	17212	21.205	ug/l	81

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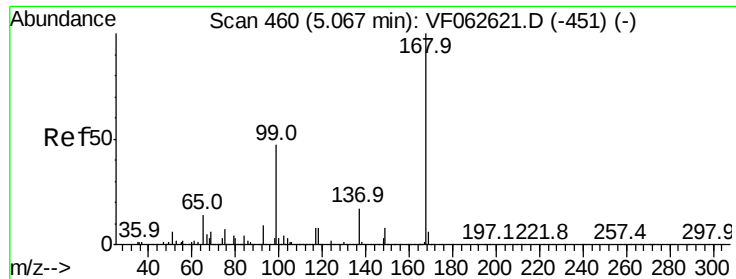
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	205016	21.460	ug/l	100
94) Hexachlorobutadiene	14.23	225	148022	22.202	ug/l	95
95) Naphthalene	14.49	128	319127	18.387	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	193775	21.414	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion:168 Resp: 820598

Ion Ratio Lower Upper

168 100

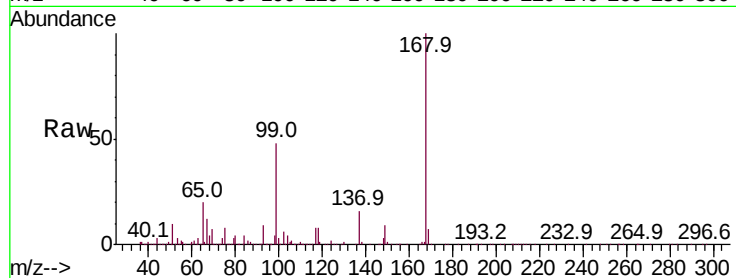
99 47.6 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

300000

250000

200000

150000

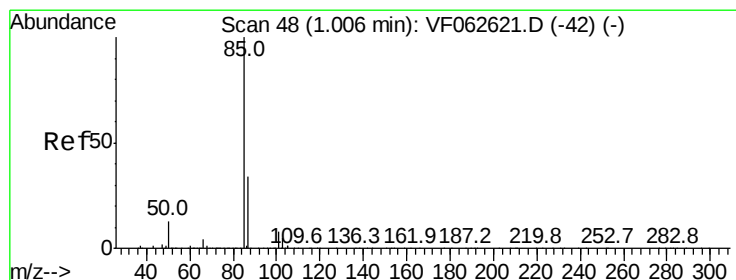
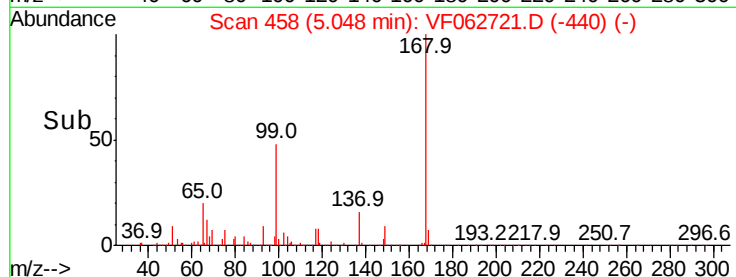
100000

50000

0

5.00 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.102 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062721.D

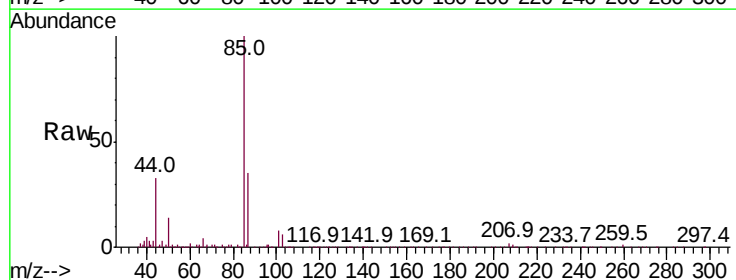
Acq: 23 May 2019 12:38

Tgt Ion: 85 Resp: 213316

Ion Ratio Lower Upper

85 100

87 35.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

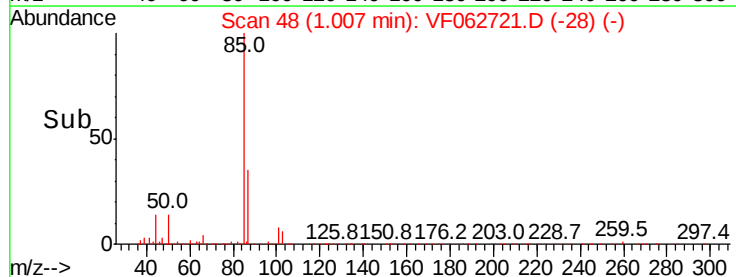
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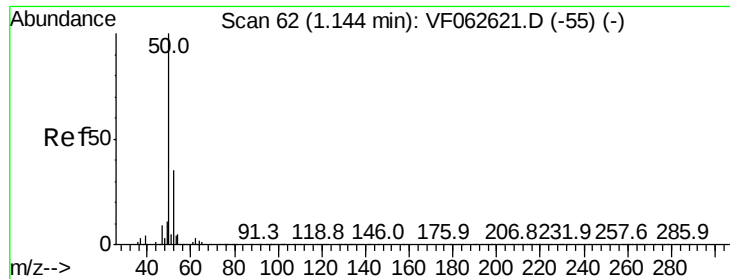
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 16.043 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 50 Resp: 164962

Ion Ratio Lower Upper

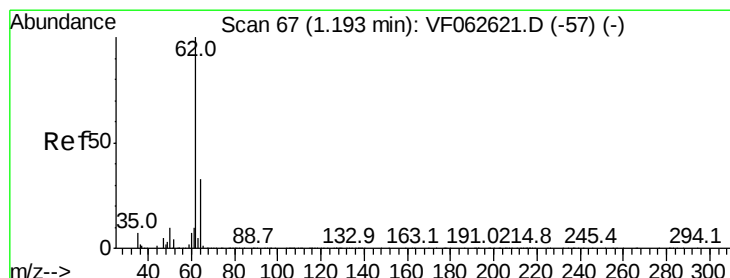
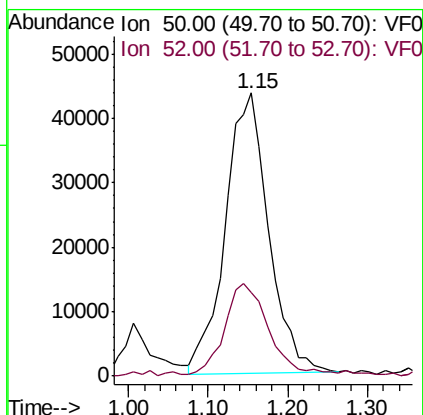
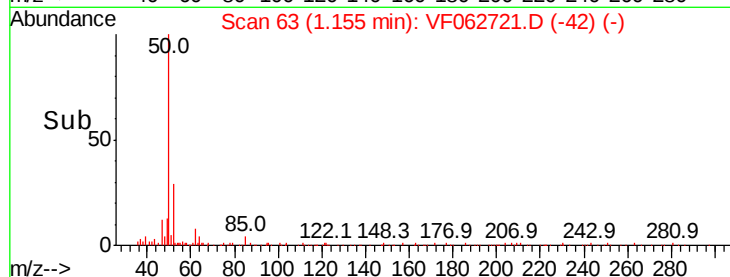
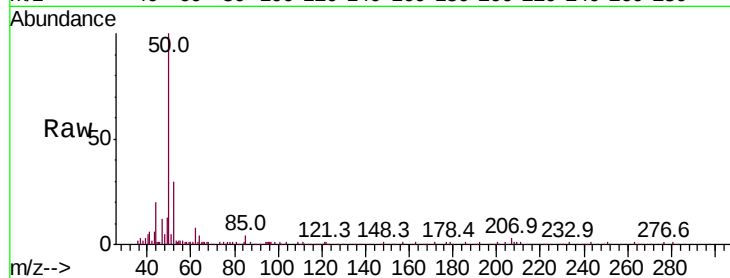
50 100

52 29.5 27.5 41.3

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5/24/2019 11:15:54 AM



#4

Vinyl Chloride

Concen: 18.535 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062721.D

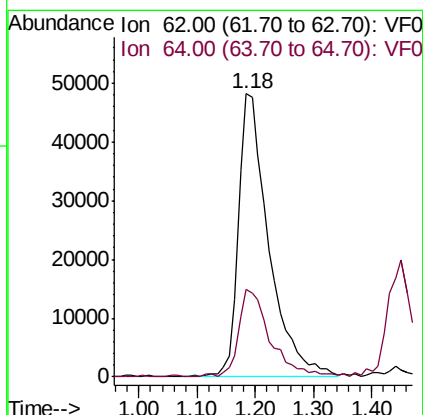
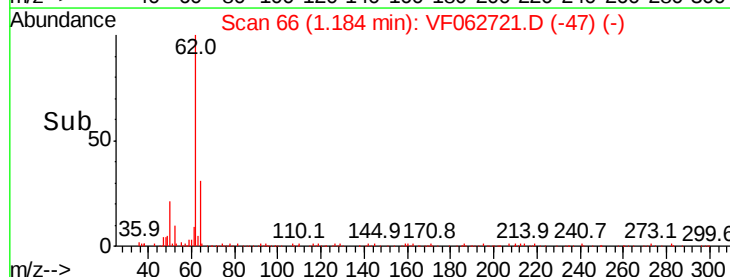
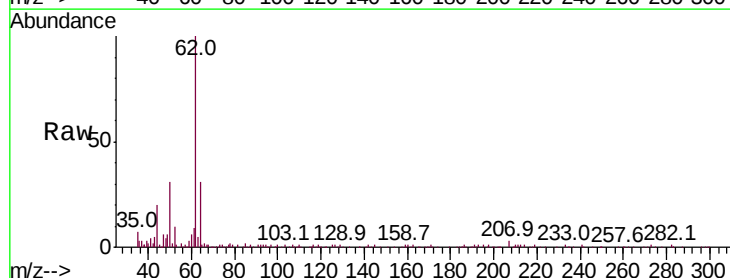
Acq: 23 May 2019 12:38

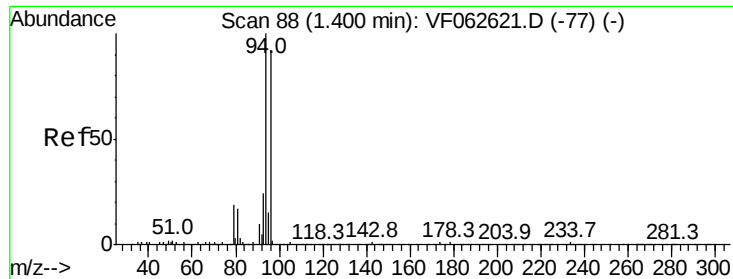
Tgt Ion: 62 Resp: 175433

Ion Ratio Lower Upper

62 100

64 30.9 26.7 40.1





#5

Bromomethane

Concen: 17.662 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 94 Resp: 91450

Ion Ratio Lower Upper

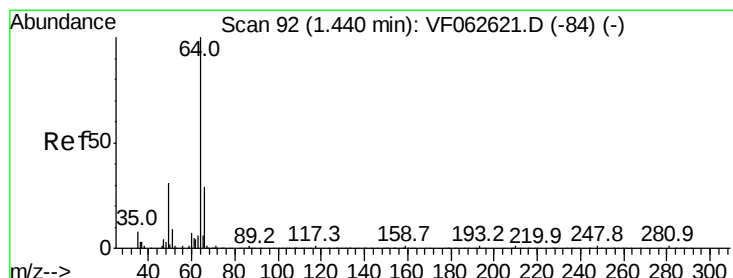
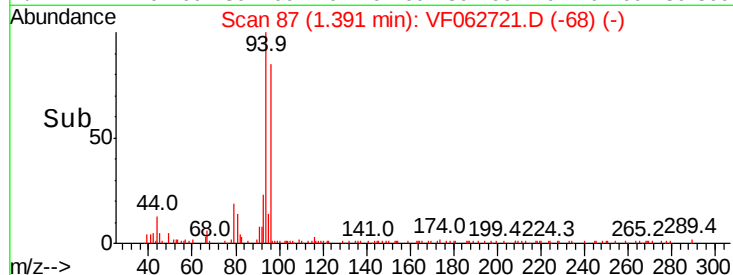
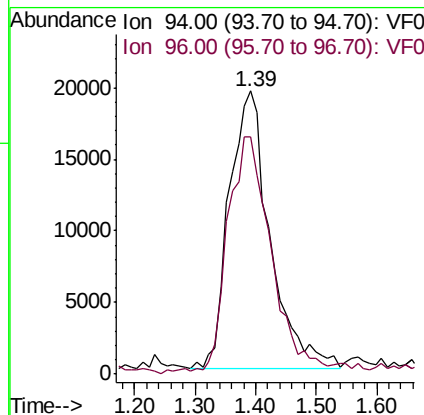
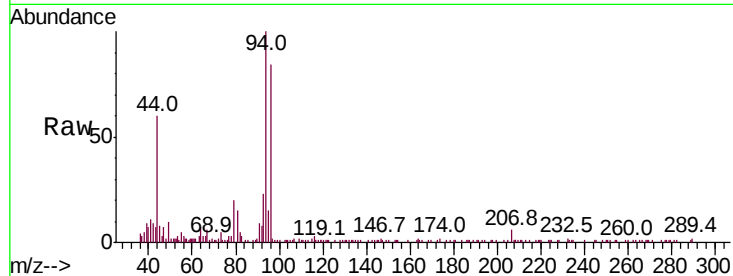
94 100

96 84.0 73.2 109.8

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5/24/2019 11:15:54 AM



#6

Chloroethane

Concen: 17.890 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062721.D

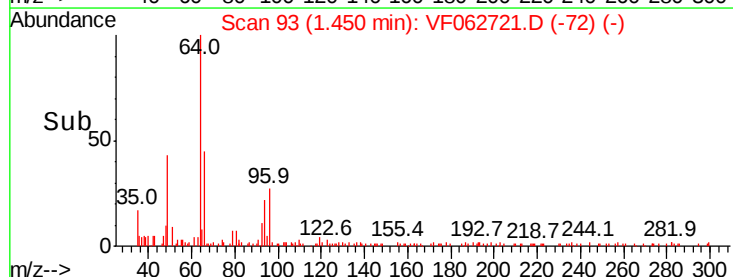
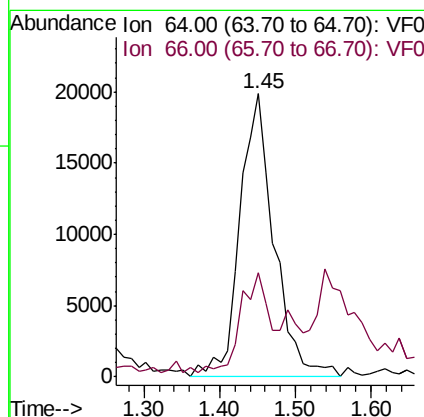
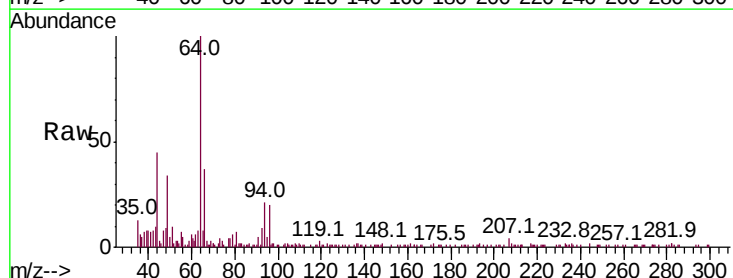
Acq: 23 May 2019 12:38

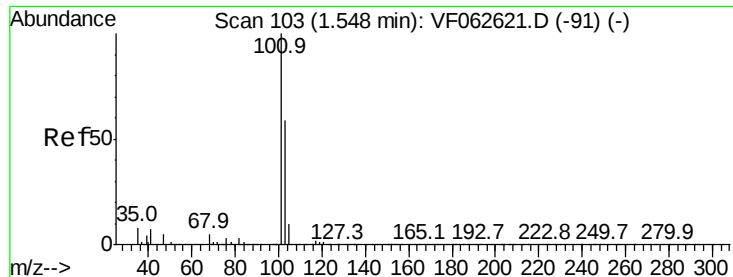
Tgt Ion: 64 Resp: 62189

Ion Ratio Lower Upper

64 100

66 36.7 23.4 35.2#





#7

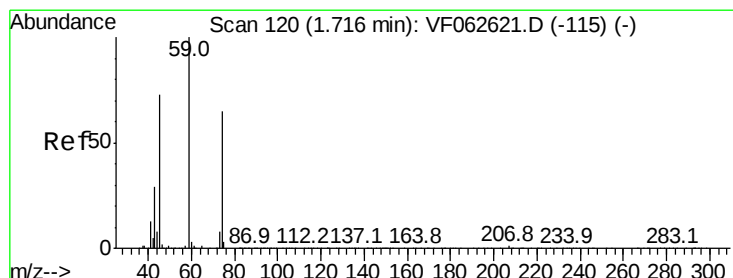
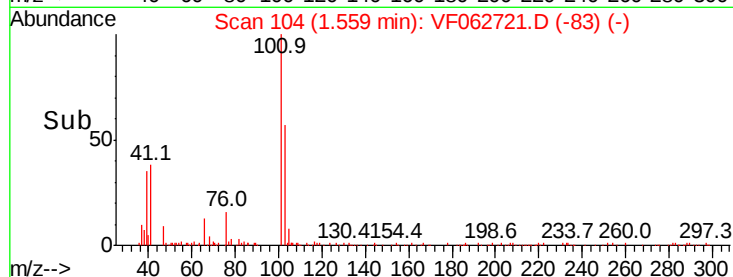
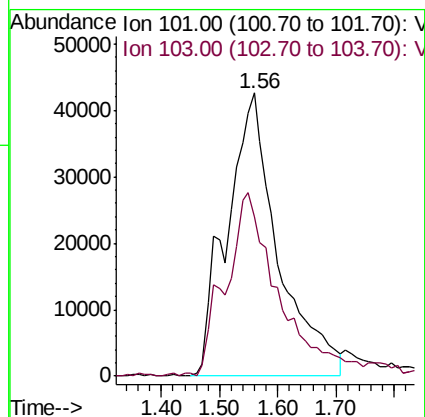
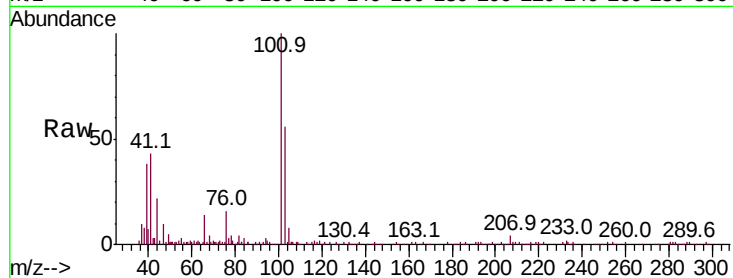
Trichlorofluoromethane
Concen: 20.479 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

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ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	260266		
103	56.2	47.3	70.9	

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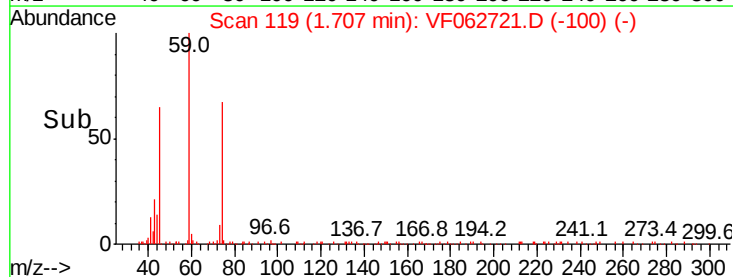
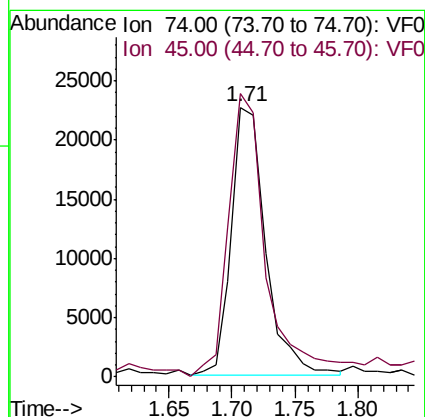
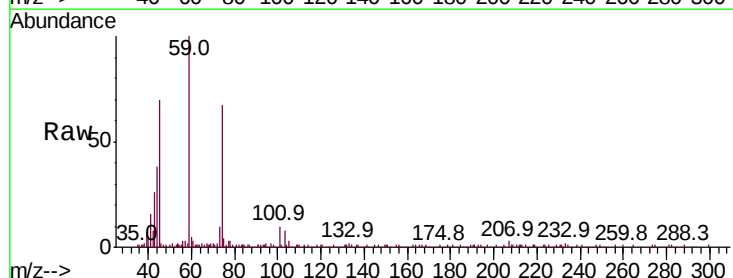
MMDadoda
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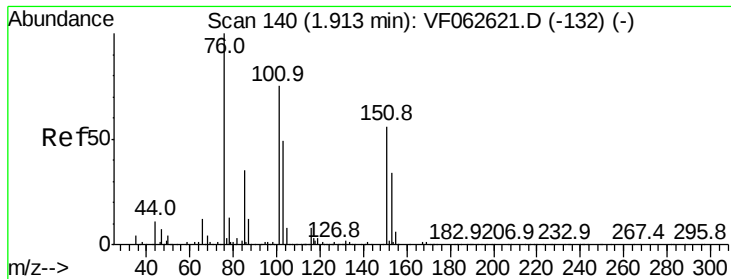


#8

Diethyl Ether
Concen: 16.987 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42768		
45	104.9	57.0	170.8	





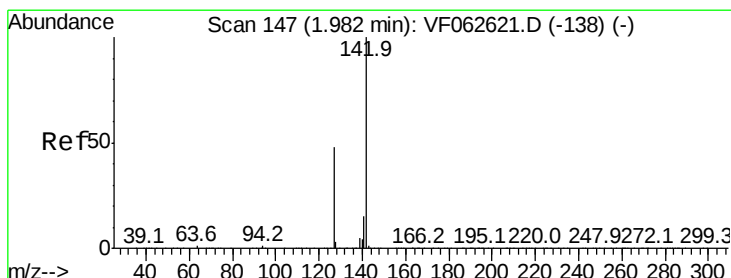
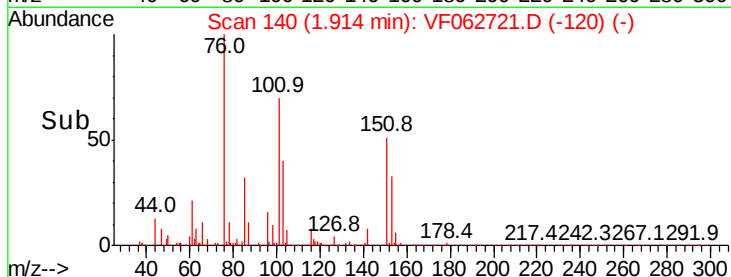
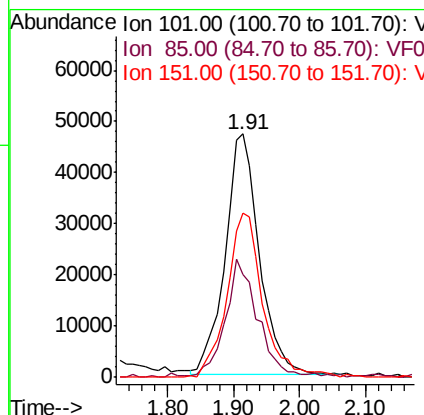
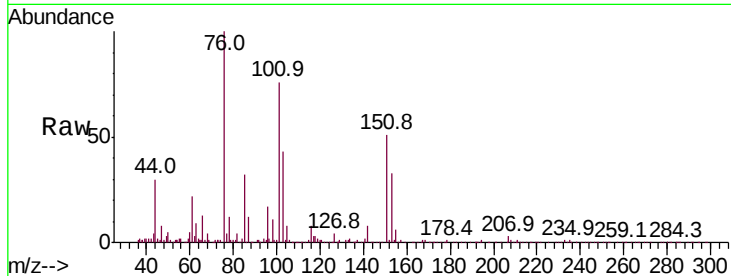
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.101 ug/l
 RT: 1.91 min Scan# 140
 Delta R.T. 0.00 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Instrument :
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 VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	170757		
85	42.4	37.1	55.7	
151	67.6	58.8	88.2	

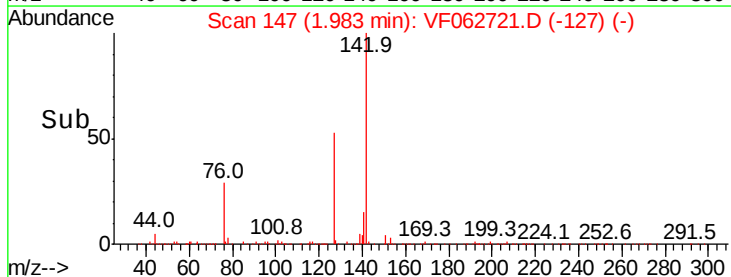
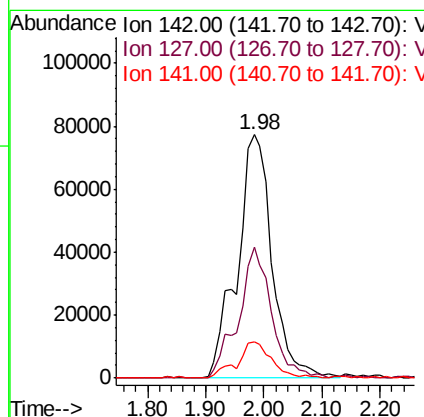
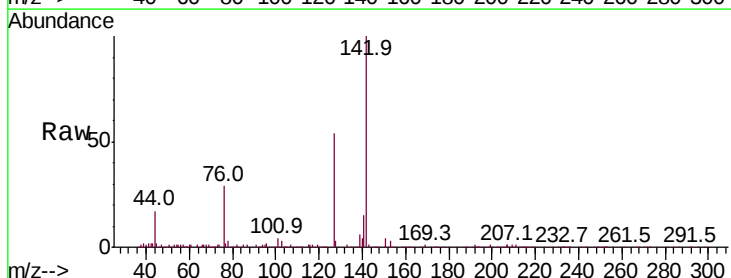
Manual Integrations
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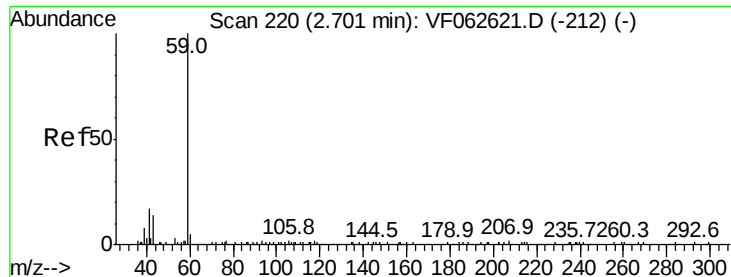
MMDadoda
 5/24/2019 11:15:54 AM



#10
 Methyl Iodide
 Concen: 20.402 ug/l
 RT: 1.98 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	324325		
127	53.6	38.1	57.1	
141	14.9	11.7	17.5	





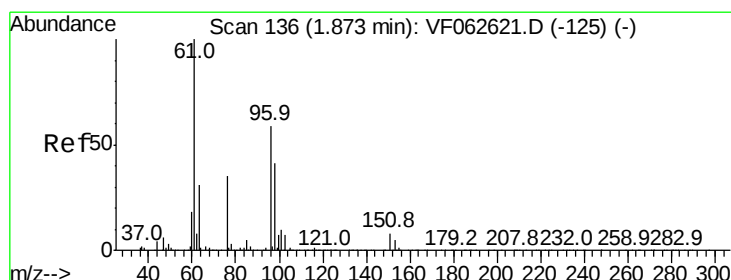
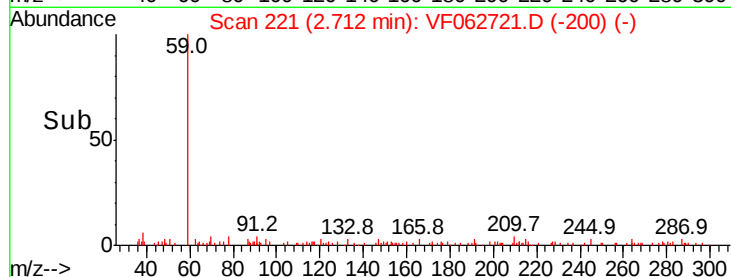
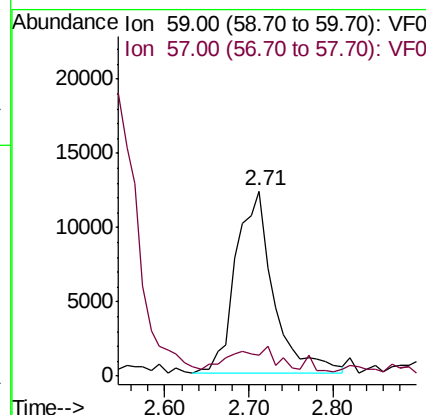
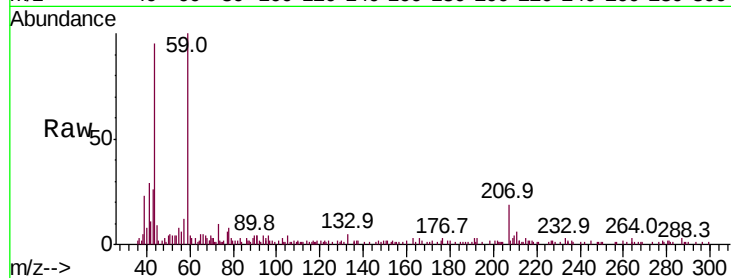
#11
Tert butyl alcohol
Concen: 99.293 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.3	13.9

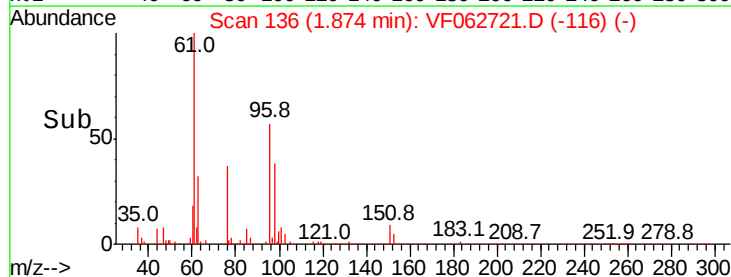
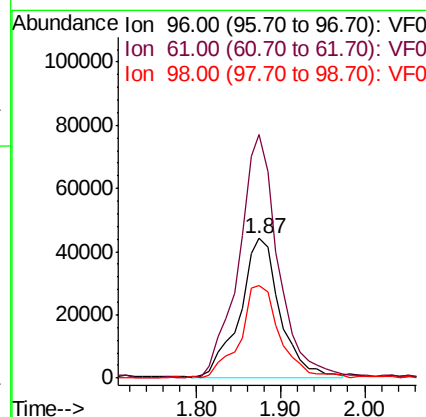
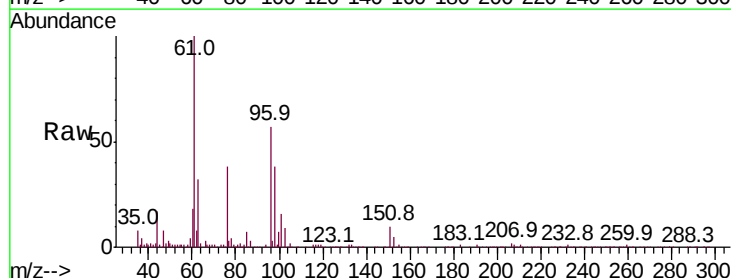
Manual Integrations
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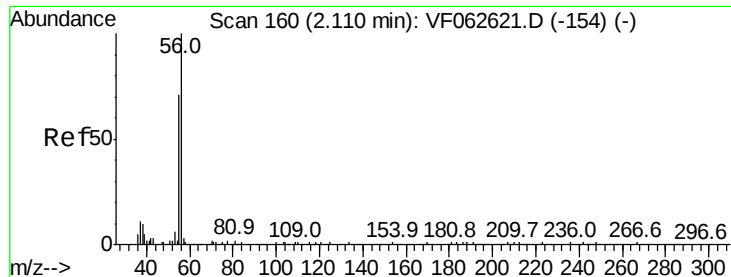
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.019 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.2	134.3	201.5
98	66.4	55.0	82.6





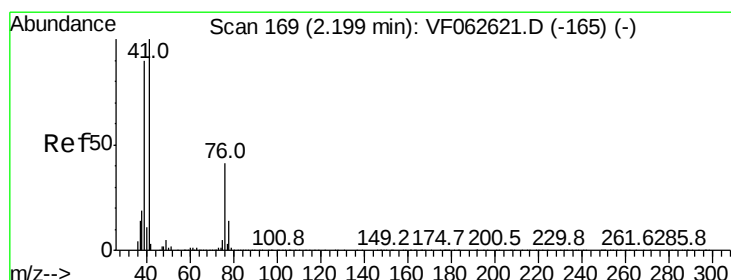
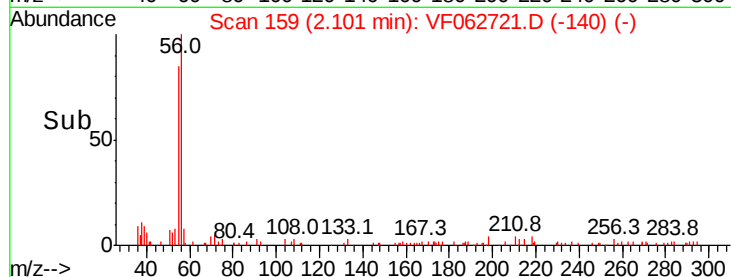
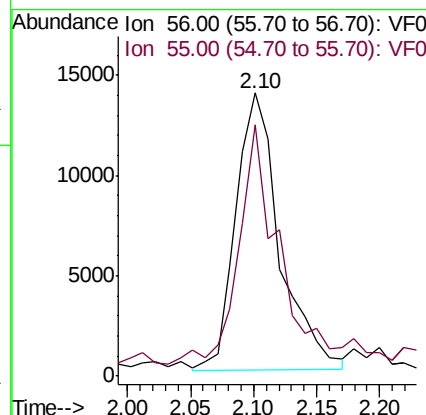
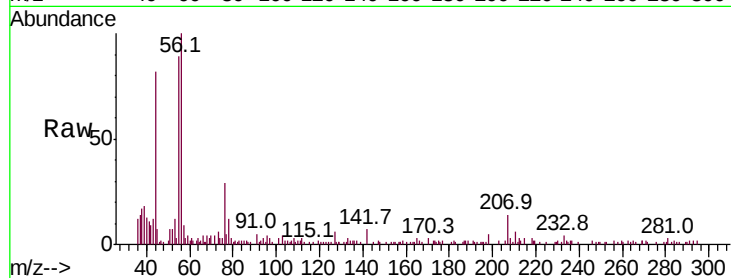
#13
Acrolein
Concen: 83.205 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	88.8	59.4	89.0

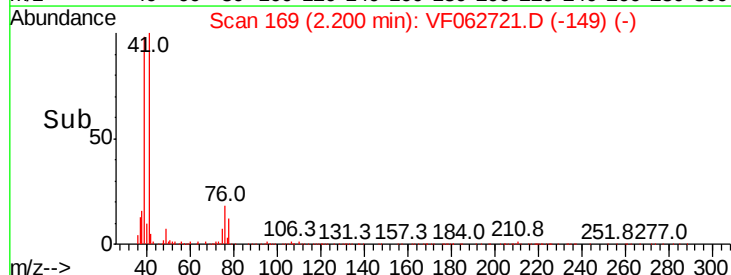
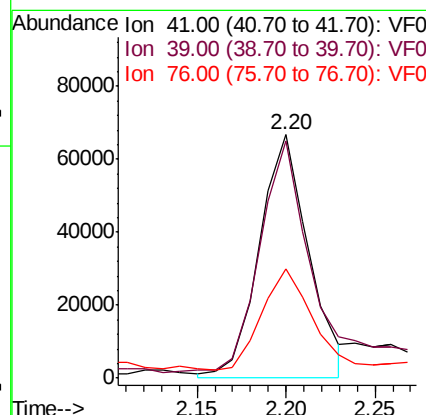
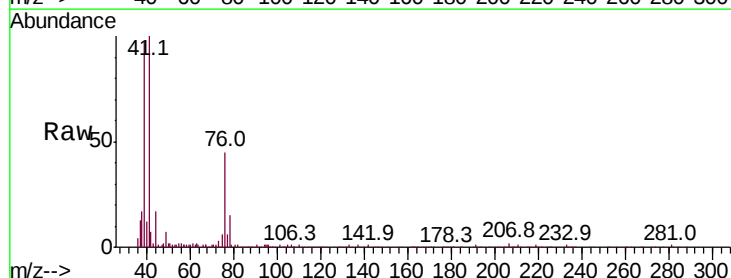
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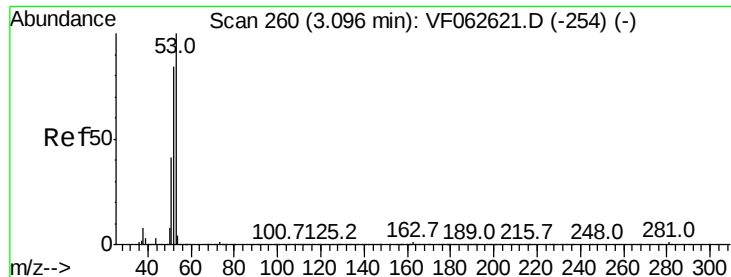
MMDadoda
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#14
Allyl chloride
Concen: 19.324 ug/l m
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
41	100		
39	97.3	72.0	108.0
76	44.8	34.8	52.2





#15

Acrylonitrile

Concen: 120.406 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

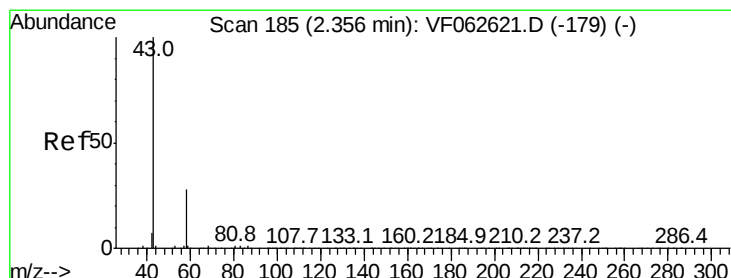
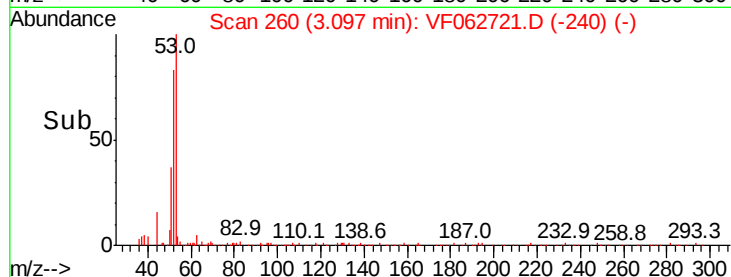
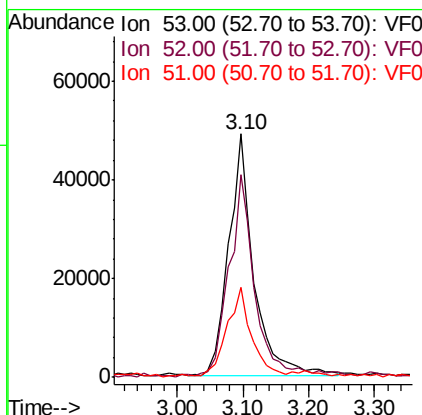
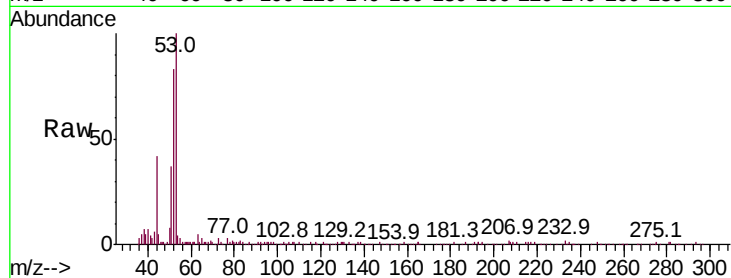
ClientSampleId :

VF0523SBS01

Tot Ion:	53	Resp:	130029
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.3	100.9
51	37.2	33.0	49.6

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#16

Acetone

Concen: 84.761 ug/l

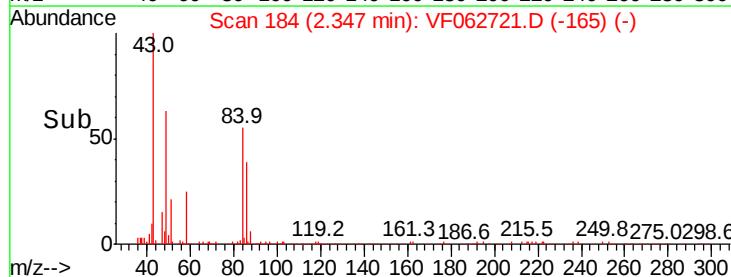
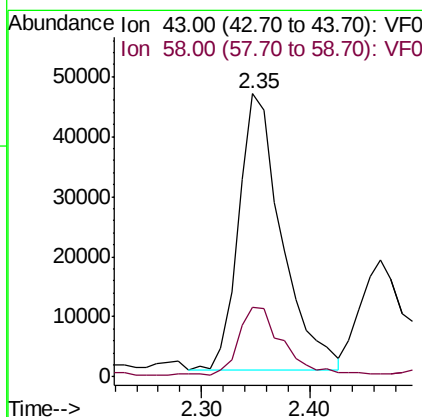
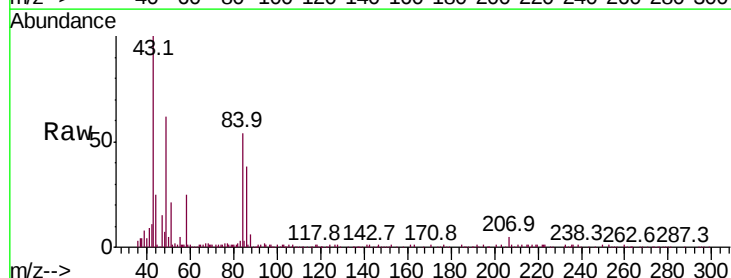
RT: 2.35 min Scan# 184

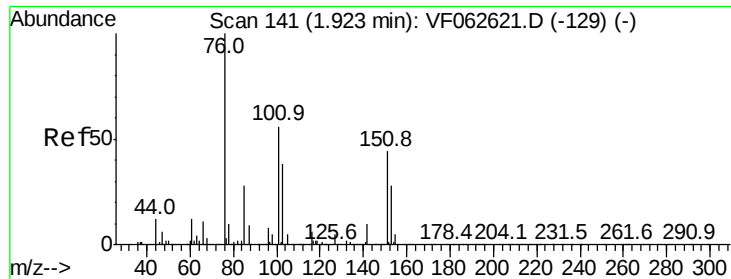
Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	43	Resp:	127513
Ion	Ratio	Lower	Upper
43	100		
58	24.5	22.6	33.8





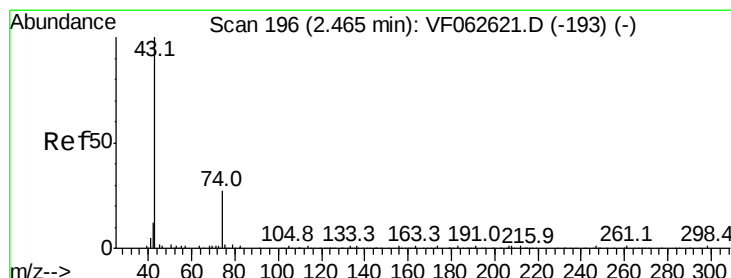
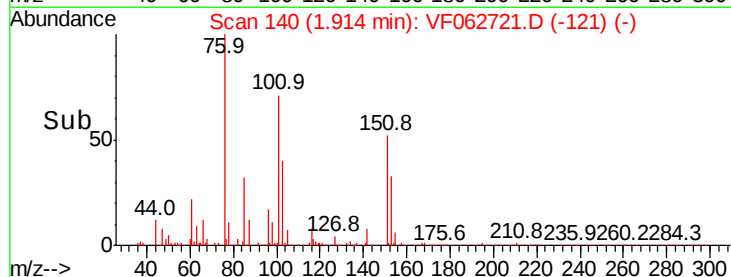
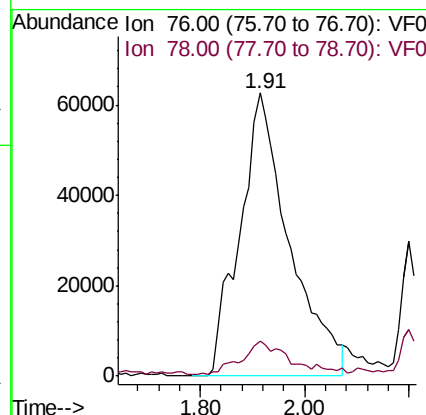
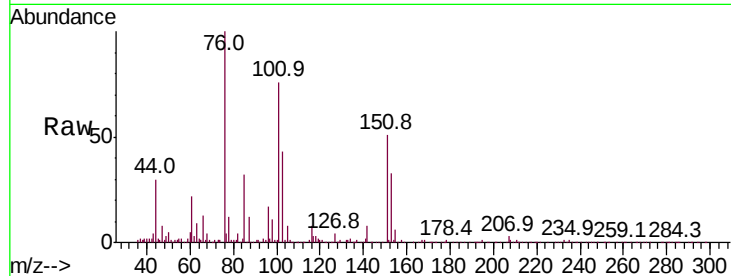
#17
Carbon Disulfide
Concen: 18.645 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion: 76 Resp: 407381
Ion Ratio Lower Upper
76 100
78 12.3 8.4 12.6

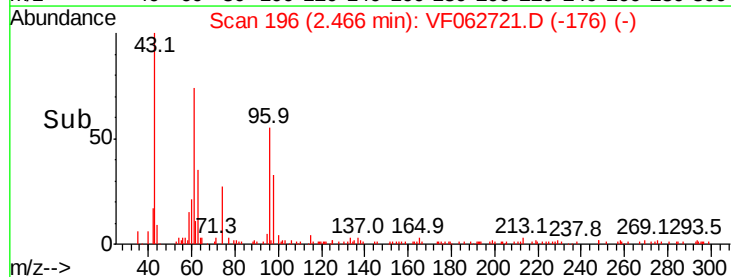
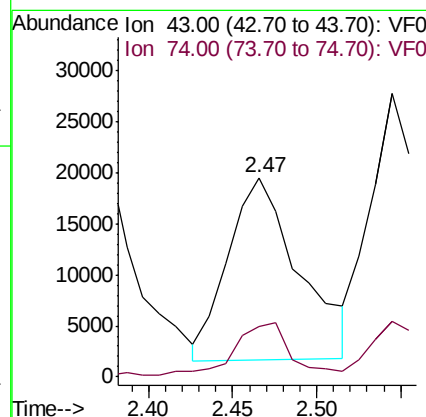
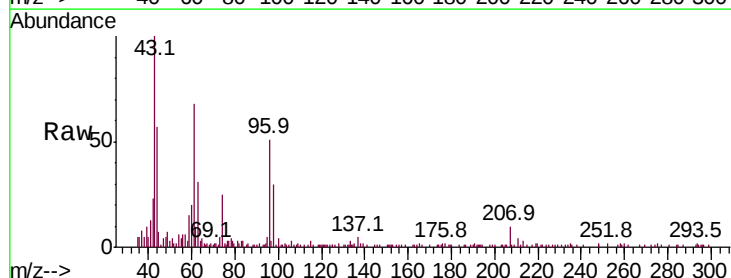
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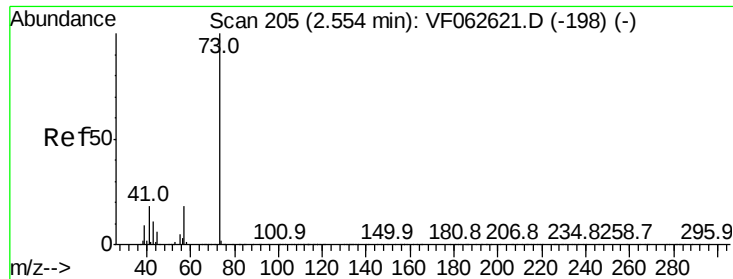
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#18
Methyl Acetate
Concen: 22.102 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 43 Resp: 52250
Ion Ratio Lower Upper
43 100
74 25.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 20.812 ug/l

RT: 2.54 min Scan# 204

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

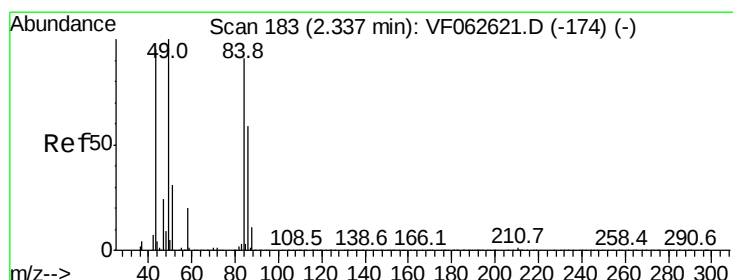
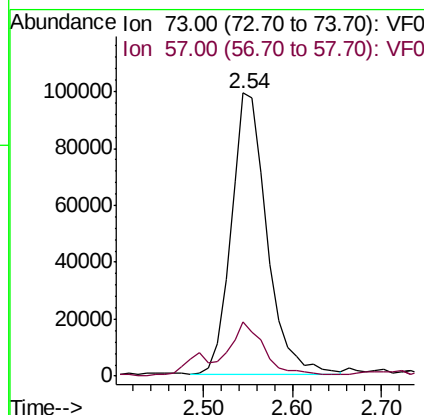
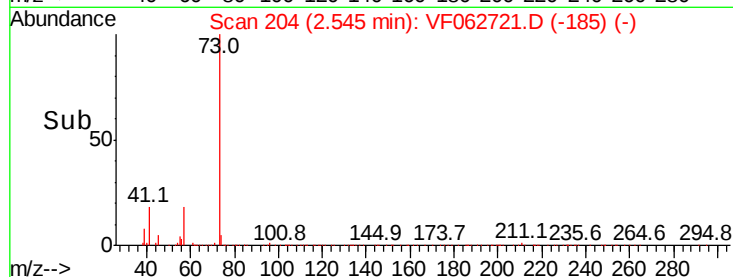
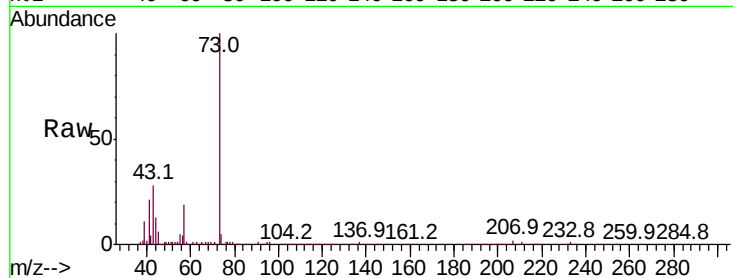
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion: 73 Resp: 274260

Ion	Ratio	Lower	Upper
73	100		
57	19.2	14.2	21.4

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#20

Methylene Chloride

Concen: 19.861 ug/l m

RT: 2.34 min Scan# 183

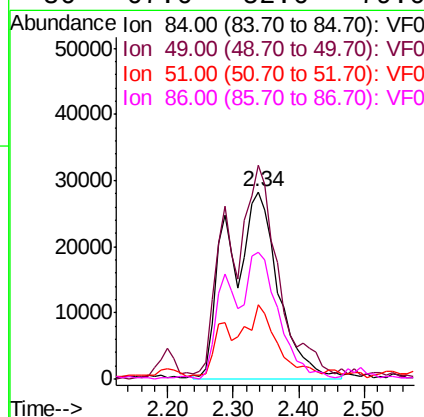
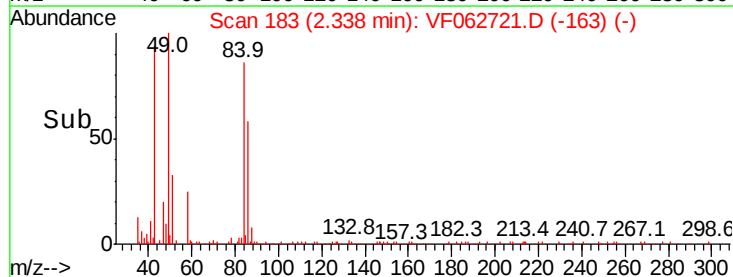
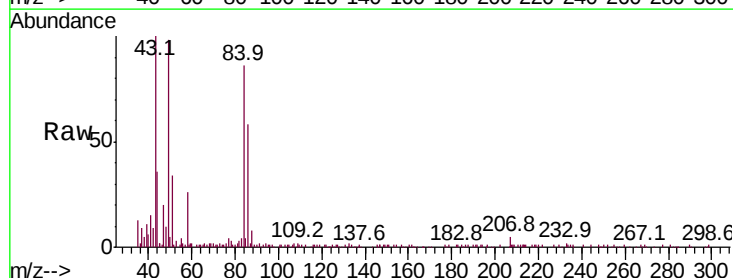
Delta R.T. 0.00 min

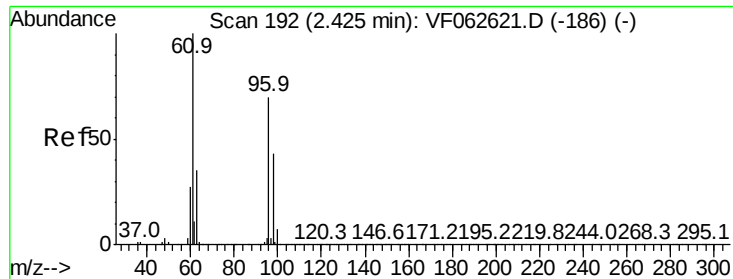
Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion: 84 Resp: 149762

Ion	Ratio	Lower	Upper
84	100		
49	114.2	89.8	134.8
51	40.0	28.4	42.6
86	67.6	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 21.760 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

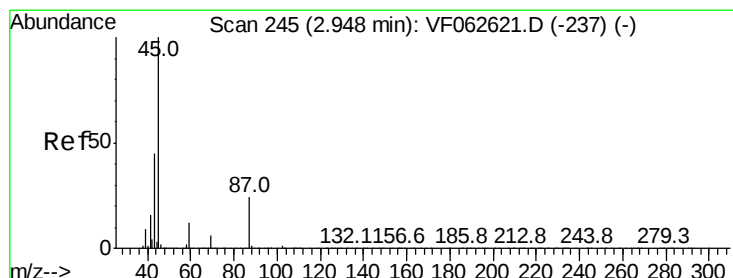
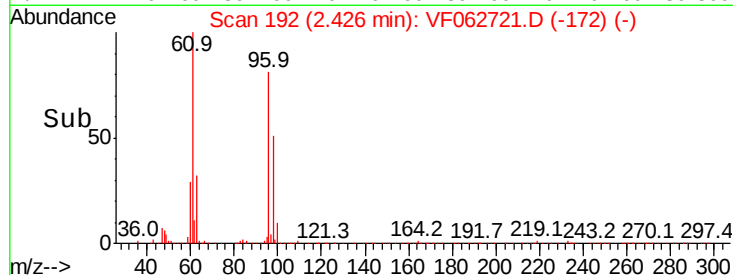
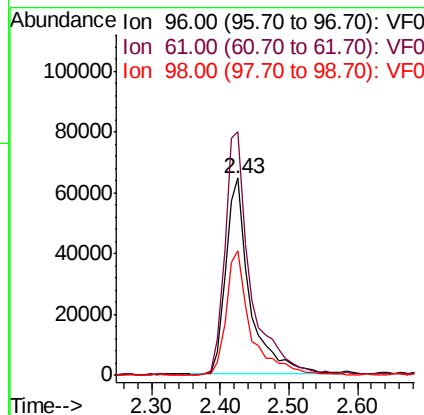
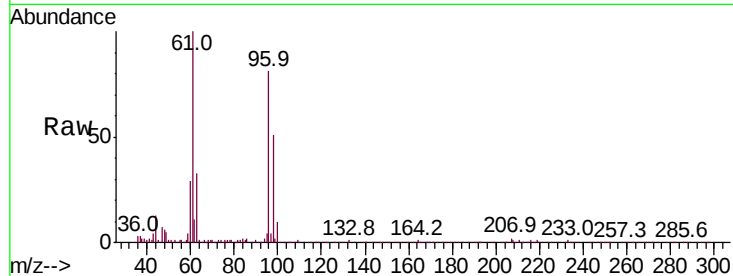
ClientSampleId :

VF0523SBS01

Tot Ion:	96	Resp:	156782
Ion	Ratio	Lower	Upper
96	100		
61	123.6	114.6	171.8
98	63.3	49.5	74.3

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#22

Diisopropyl ether

Concen: 18.447 ug/l

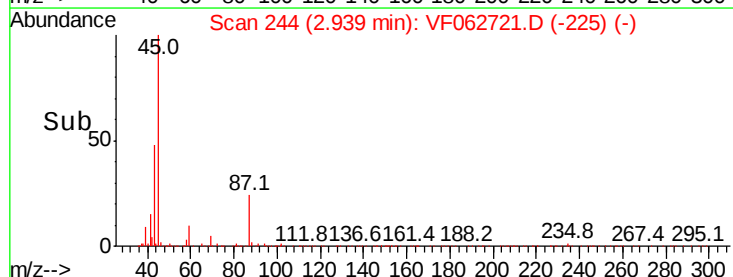
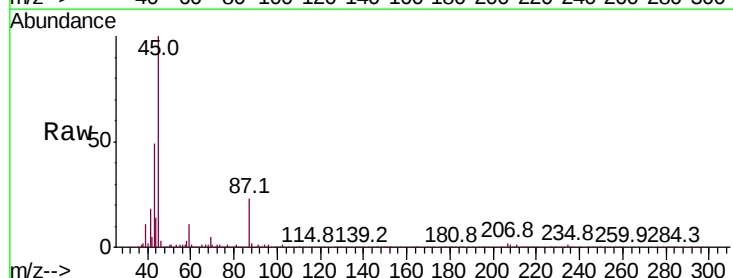
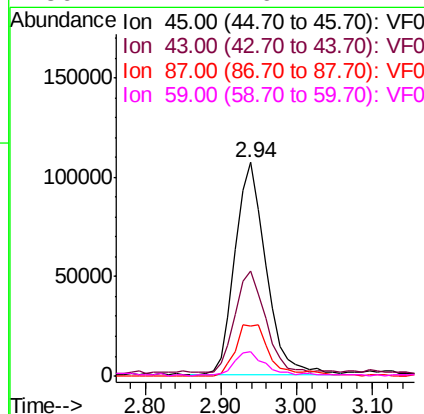
RT: 2.94 min Scan# 244

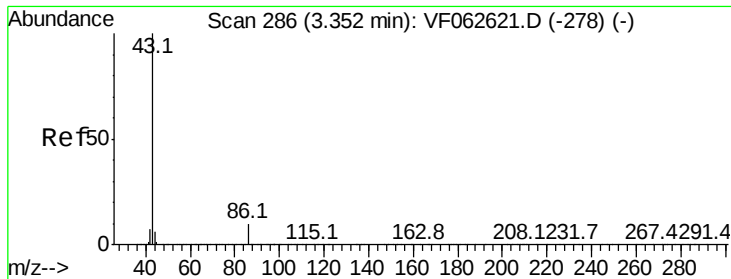
Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	45	Resp:	303550
Ion	Ratio	Lower	Upper
45	100		
43	49.1	36.4	54.6
87	23.3	19.3	28.9
59	11.2	9.4	14.2





#23

Vinyl Acetate

Concen: 101.972 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 43 Resp: 1131912

Ion Ratio Lower Upper

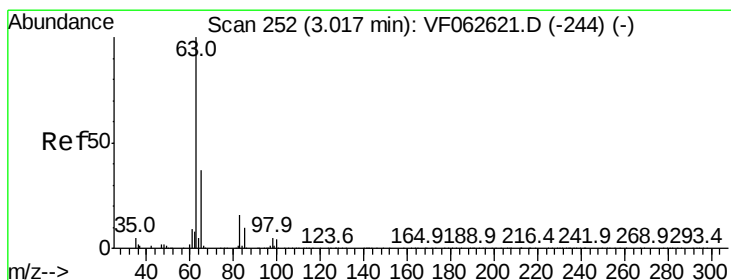
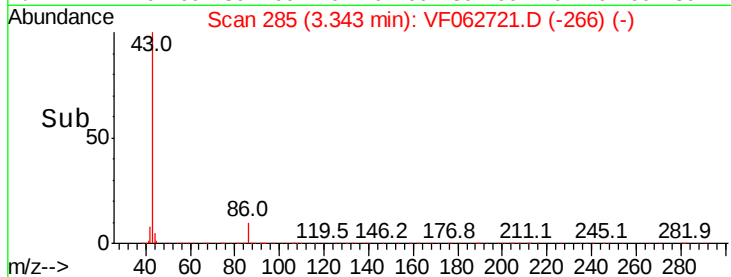
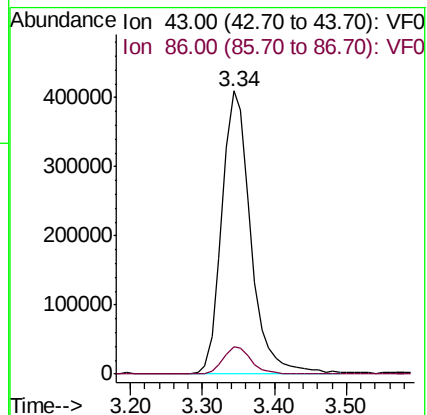
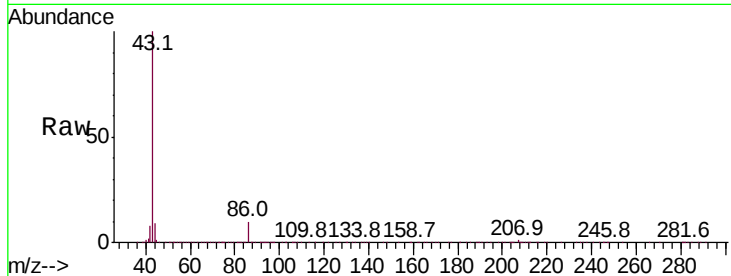
43 100

86 9.7 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 19.320 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

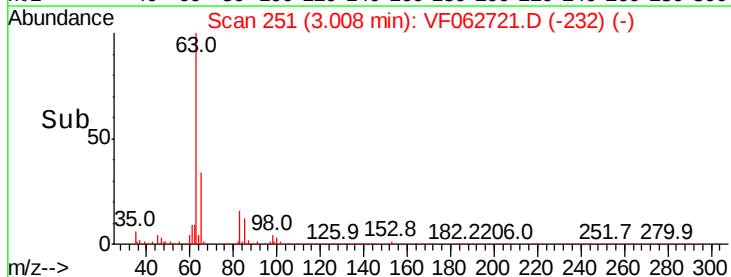
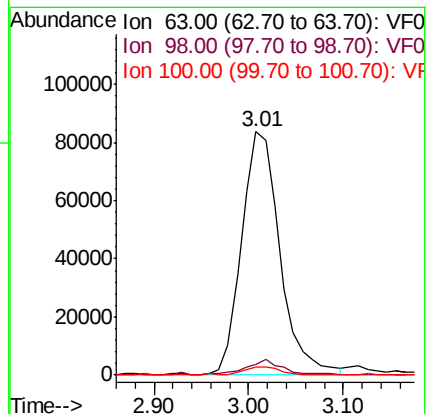
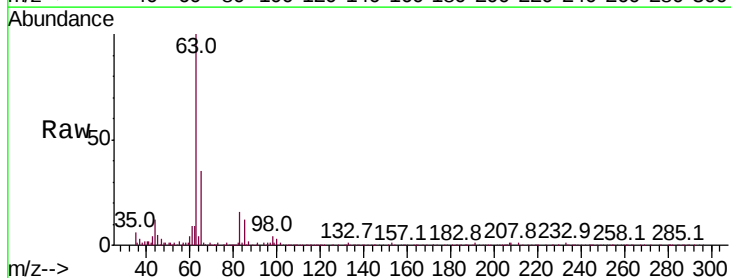
Tgt Ion: 63 Resp: 233225

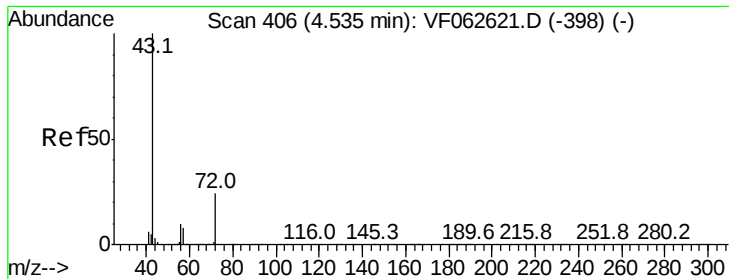
Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.3

100 3.4 1.9 5.7





#25

2-Butanone

Concen: 93.458 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 43 Resp: 300384

Ion Ratio Lower Upper

43 100

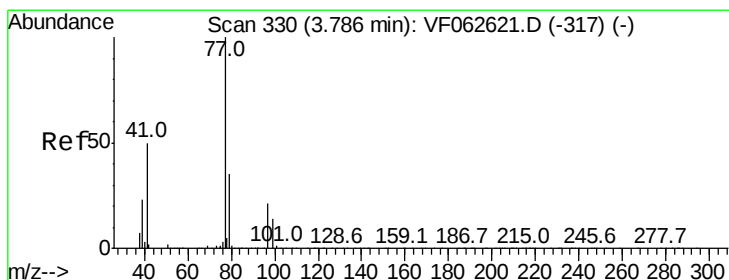
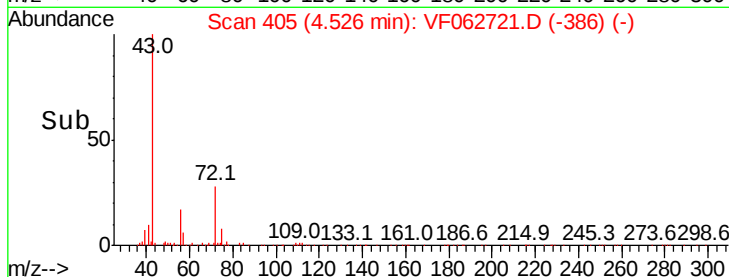
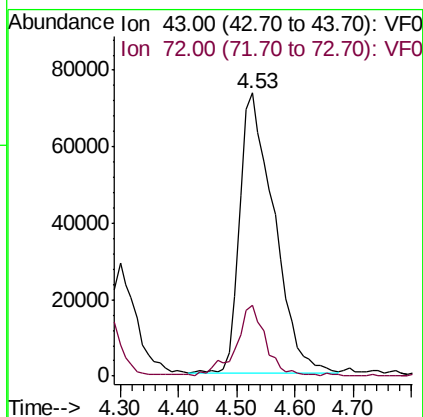
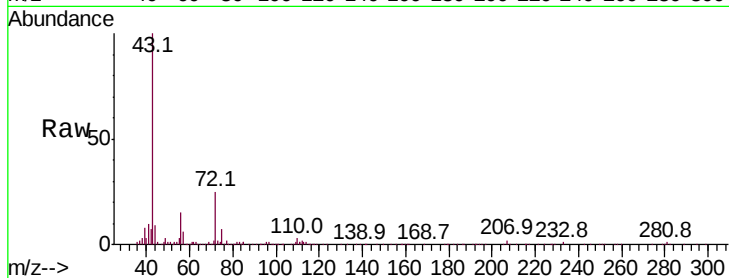
72 25.2 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 22.855 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062721.D

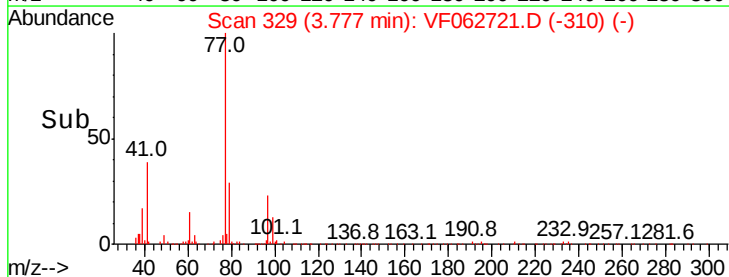
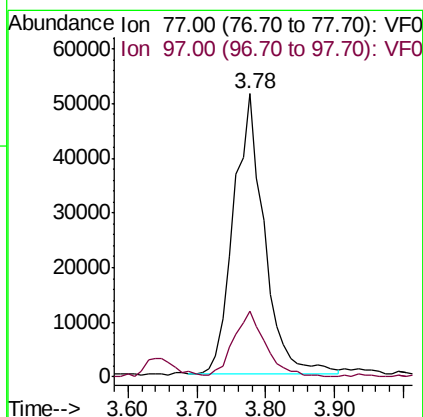
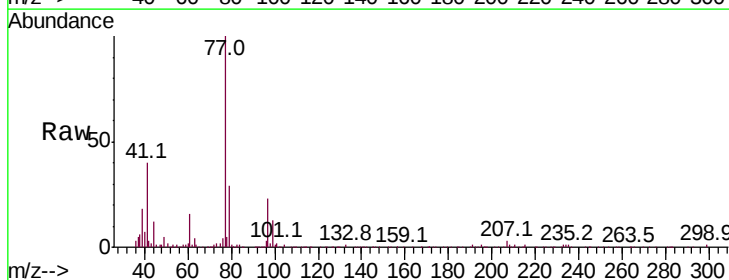
Acq: 23 May 2019 12:38

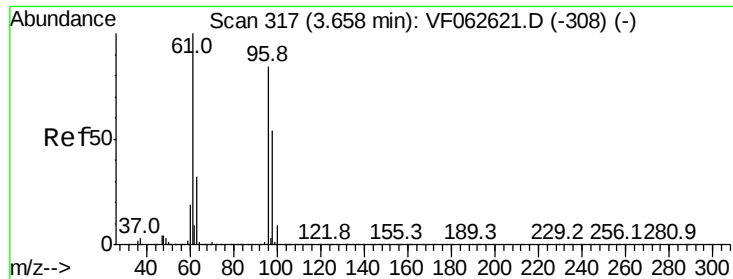
Tgt Ion: 77 Resp: 157857

Ion Ratio Lower Upper

77 100

97 23.0 14.1 42.4





#27

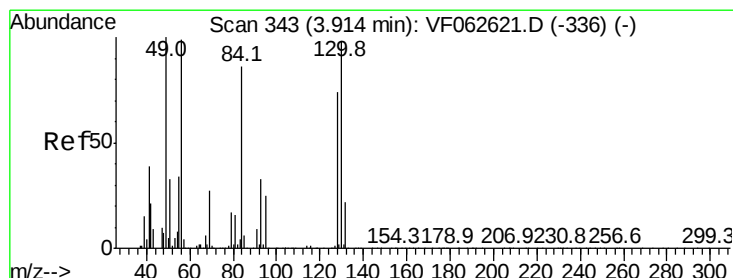
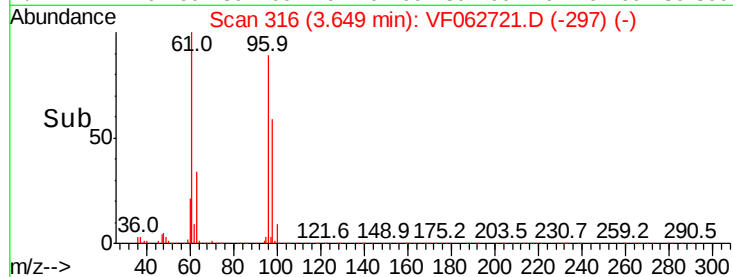
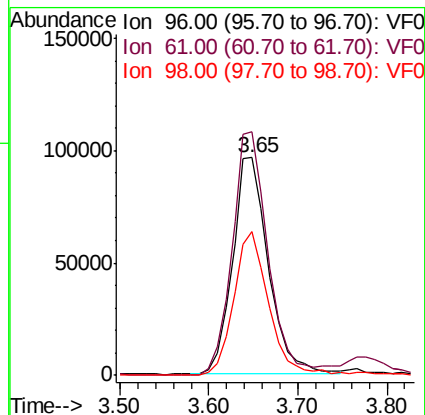
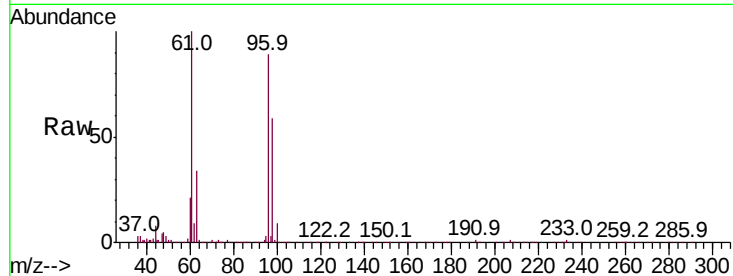
cis-1,2-Dichloroethene
Concen: 22.762 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	96	Resp	269777
Ion	Ratio	Lower	Upper
96	100		
61	111.9	0.0	237.4
98	65.8	0.0	129.0

Manual Integrations
APPROVED

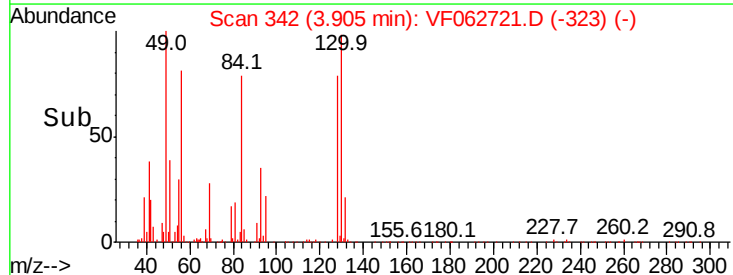
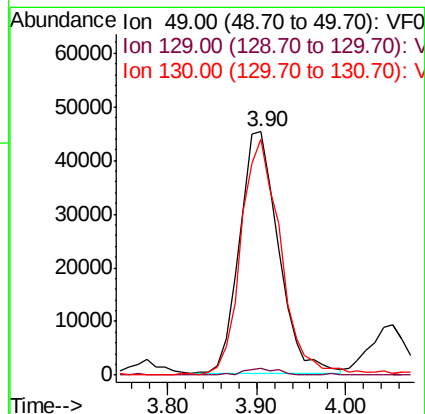
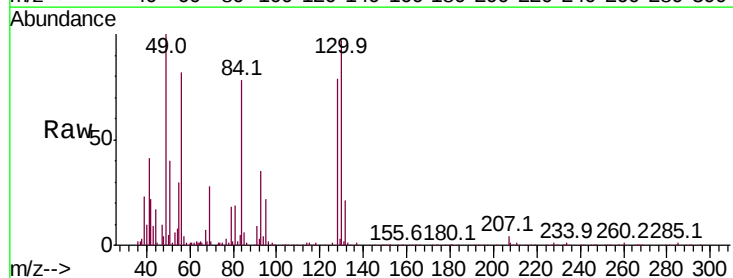
MMDadoda
5/24/2019 11:15:54 AM

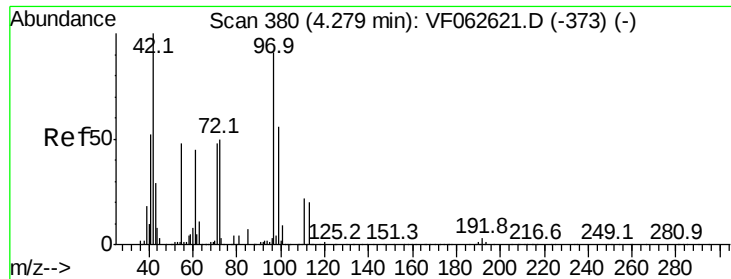


#28

Bromochloromethane
Concen: 19.998 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	49	Resp	135390
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.0
130	97.1	77.8	116.8





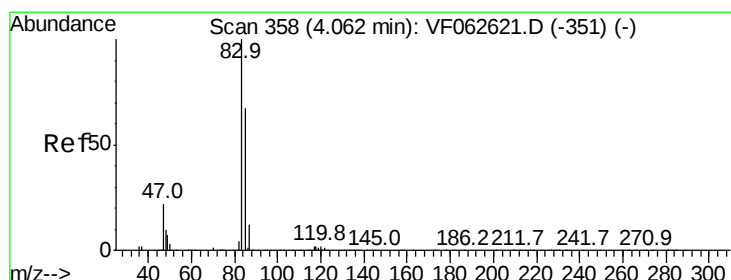
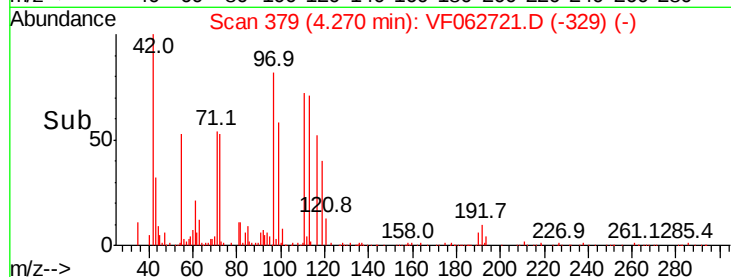
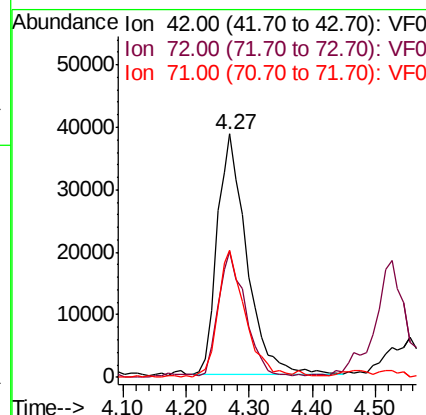
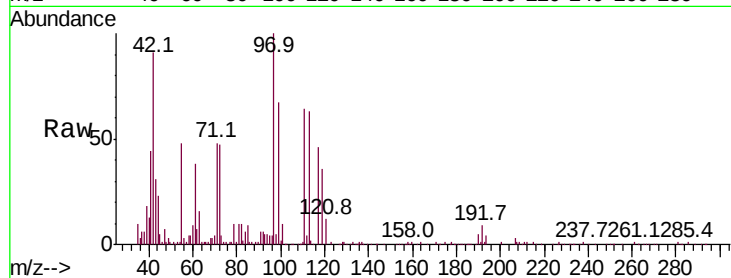
#29
Tetrahydrofuran
Concen: 96.991 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	126150		
72	48.8		38.2	57.2
71	49.0		35.8	53.6

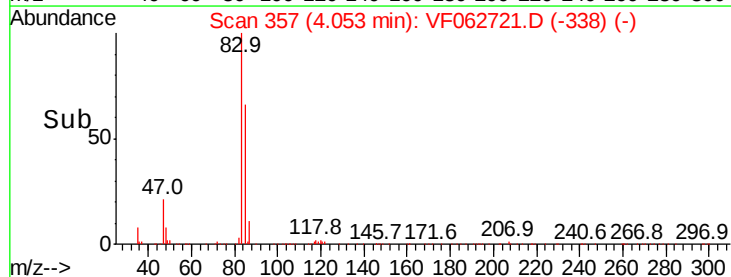
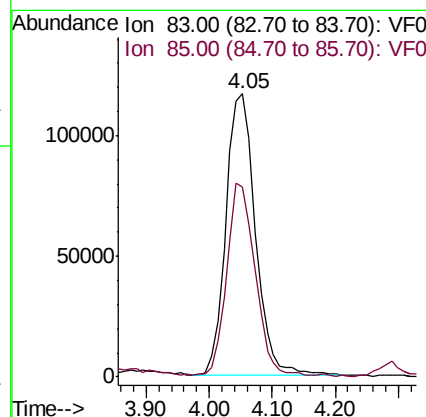
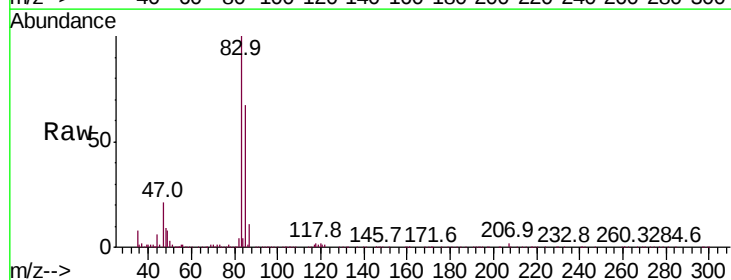
Manual Integrations
APPROVED

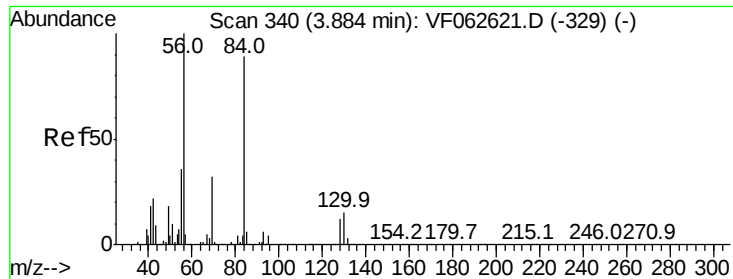
MMDadoda
5/24/2019 11:15:54 AM



#30
Chloroform
Concen: 22.833 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	382679		
85	67.2		53.6	80.4





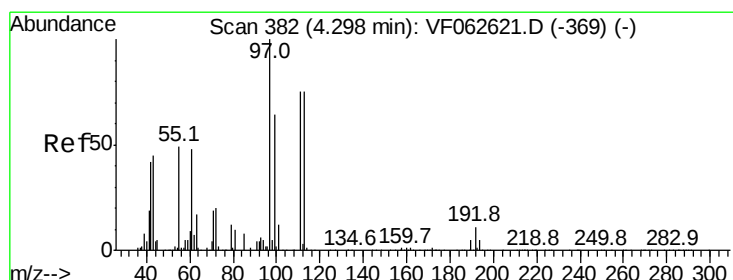
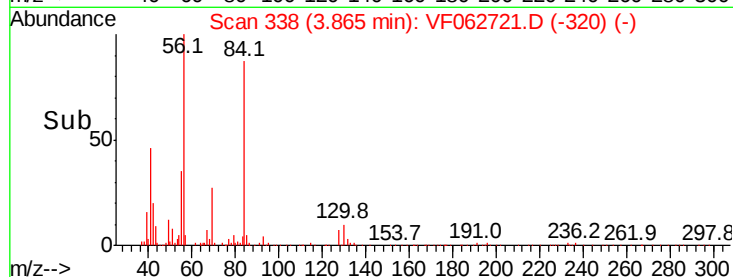
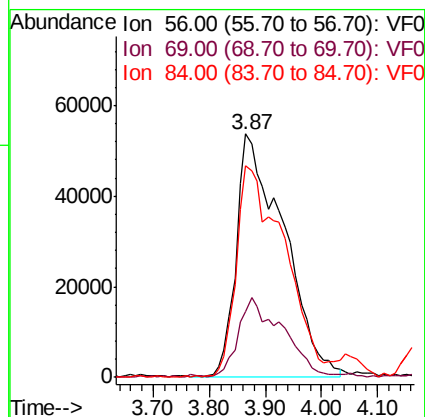
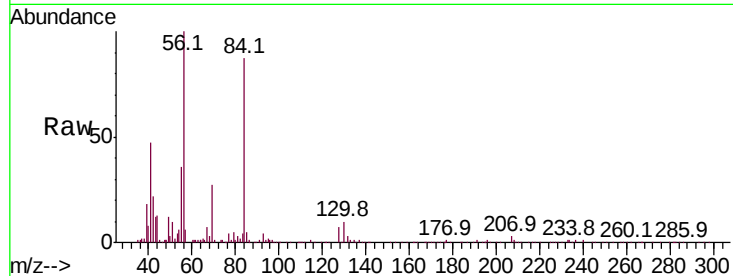
#31
Cyclohexane
Concen: 19.298 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	56	Resp	312782
Ion	Ratio	Lower	Upper
56	100		
69	26.8	25.3	37.9
84	86.9	71.0	106.4

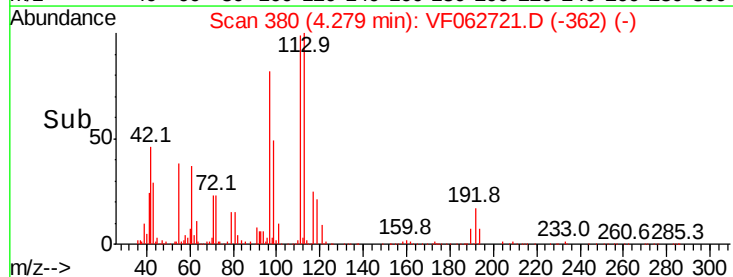
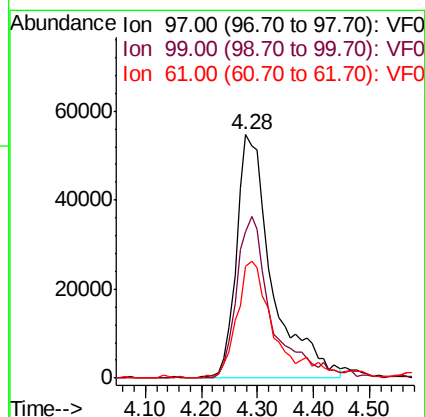
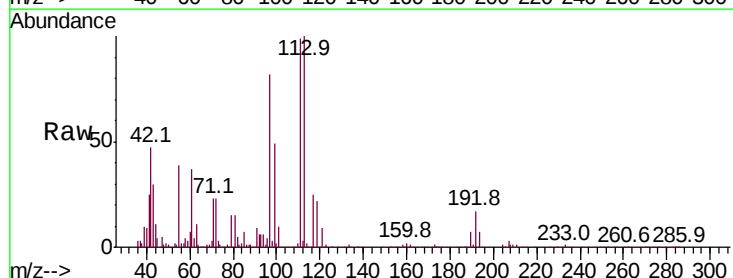
Manual Integrations
APPROVED

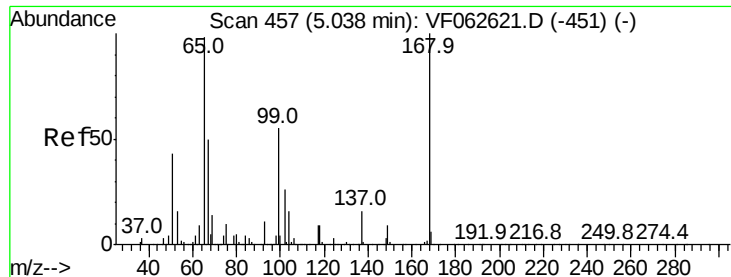
MMDadoda
5/24/2019 11:15:54 AM



#32
1,1,1-Trichloroethane
Concen: 21.561 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	97	Resp	239992
Ion	Ratio	Lower	Upper
97	100		
99	60.1	51.3	76.9
61	45.8	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 44.107 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 65 Resp: 255764

Ion Ratio Lower Upper

65 100

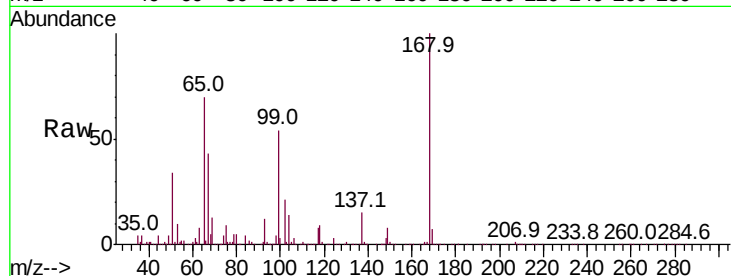
67 61.4 0.0 117.6

Manual Integrations

APPROVED

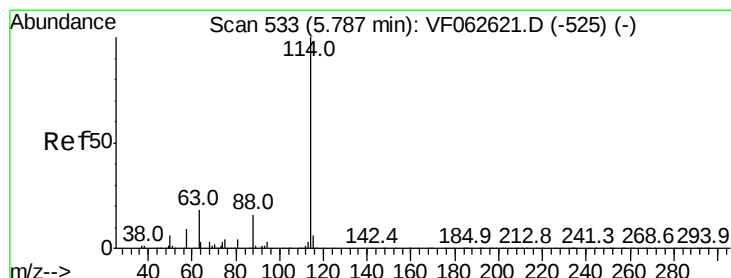
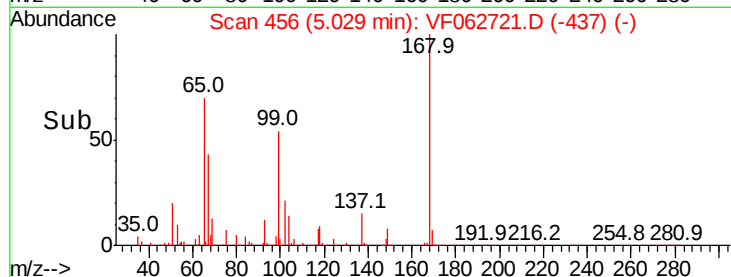
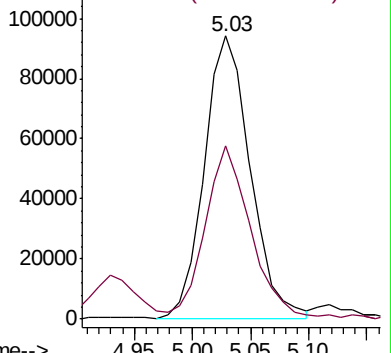
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

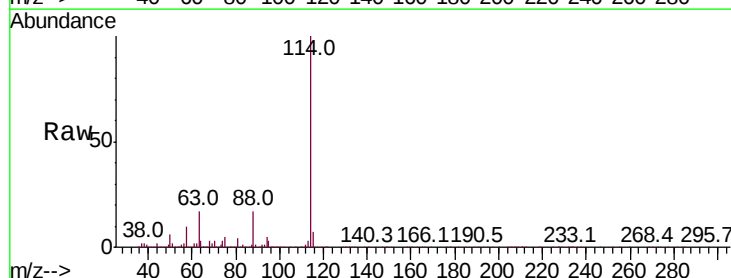
Tgt Ion:114 Resp: 1340810

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

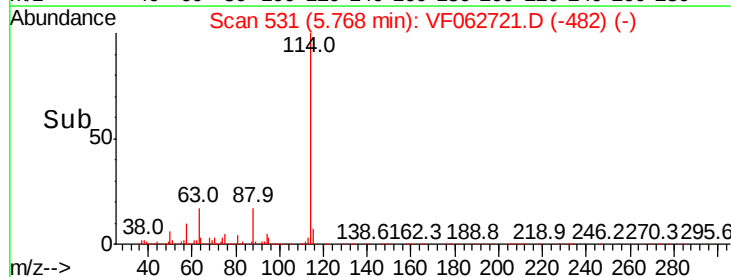
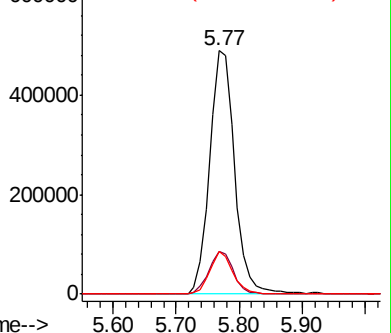
88 17.3 0.0 32.4

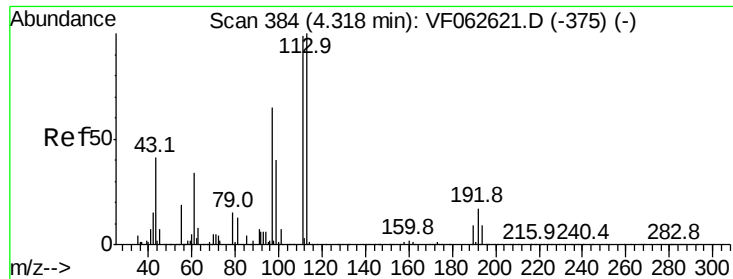


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





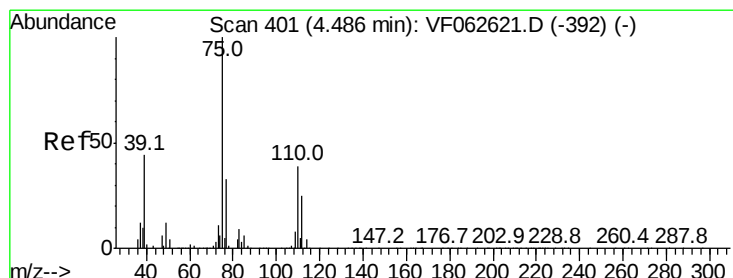
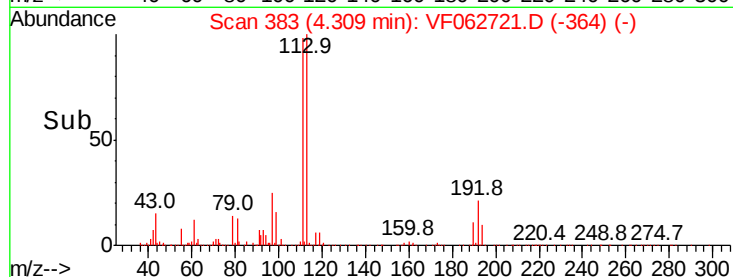
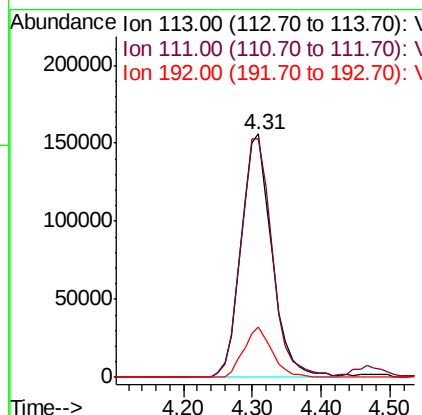
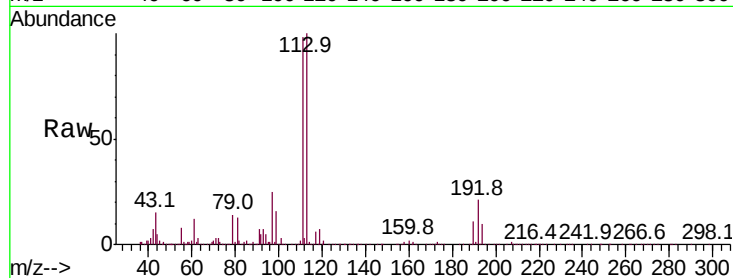
#35
Dibromofluoromethane
Concen: 47.129 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	483536		
111	97.9	79.4	119.2	
192	20.5	13.4	20.2#	

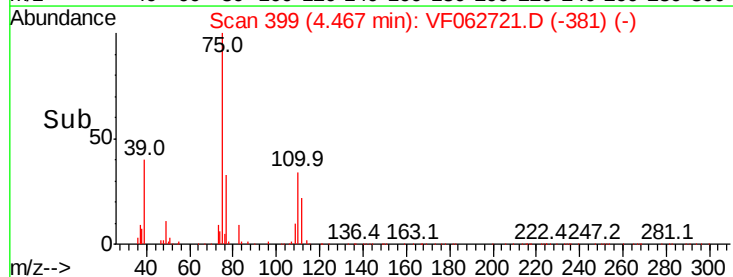
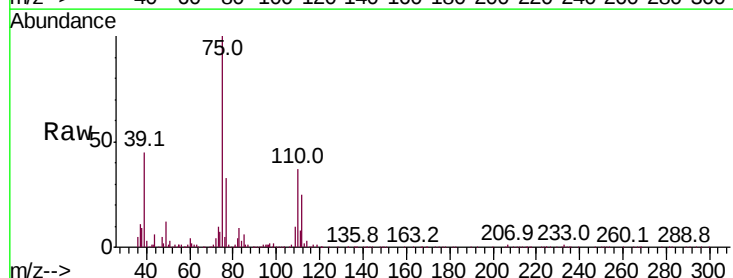
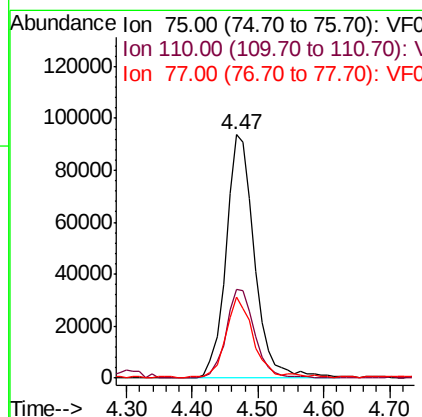
Manual Integrations
APPROVED

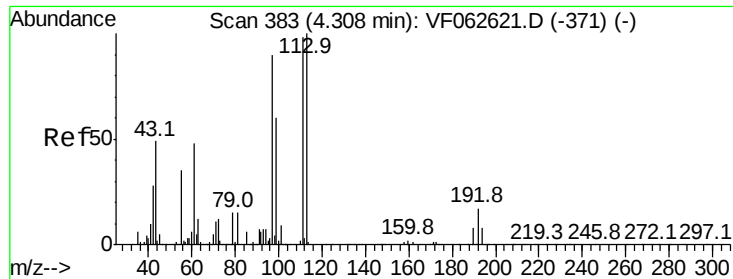
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#36
1,1-Dichloropropene
Concen: 20.746 ug/l
RT: 4.47 min Scan# 399
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	285026		
110	36.5	19.7	59.1	
77	33.1	26.3	39.5	





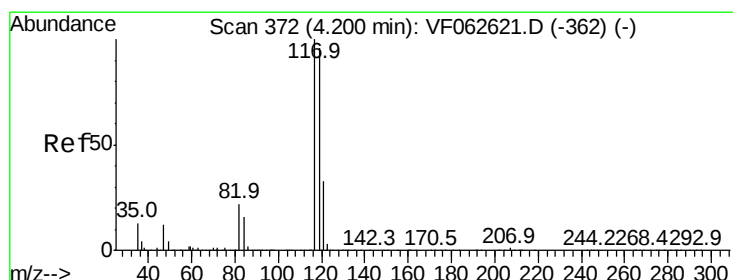
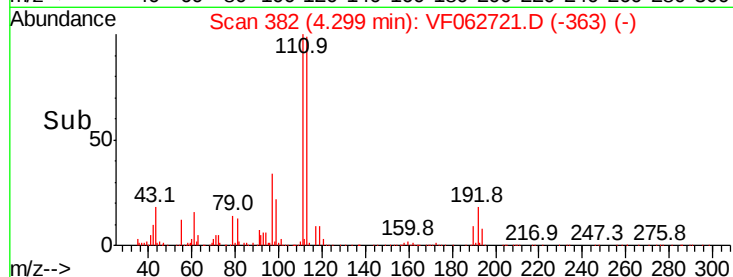
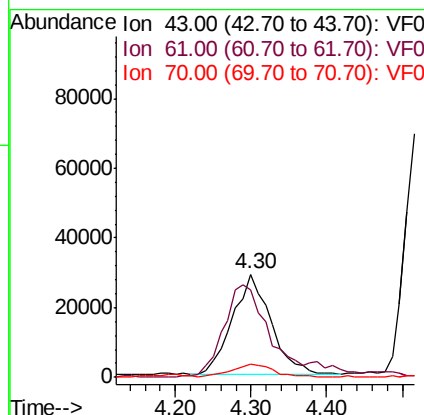
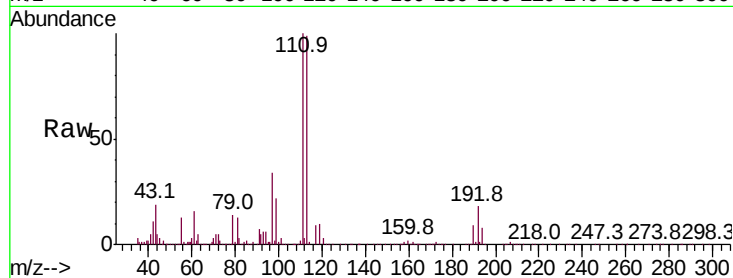
#37
Ethyl Acetate
Concen: 18.244 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	84.5	76.9	115.3
70	13.4	8.8	13.2#

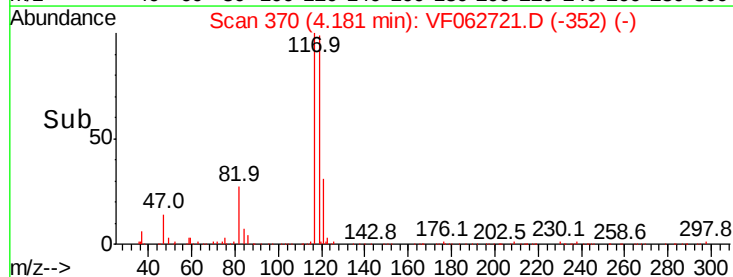
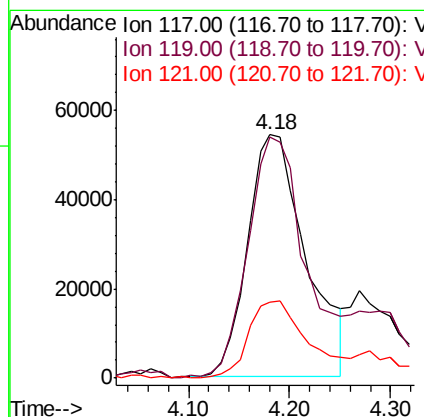
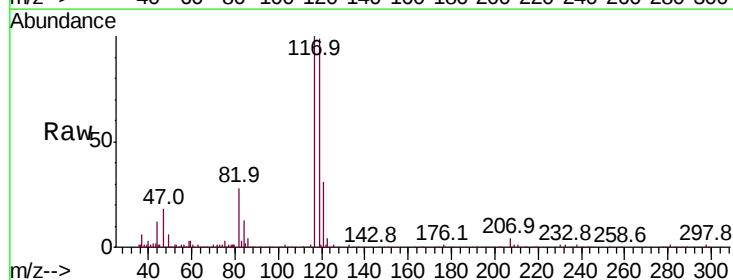
Manual Integrations
APPROVED

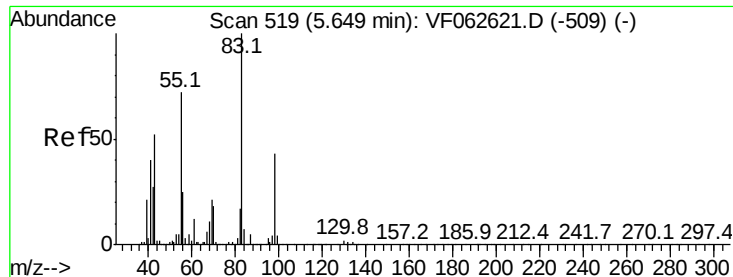
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#38
Carbon Tetrachloride
Concen: 21.216 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.7	115.1
121	31.1	26.6	40.0





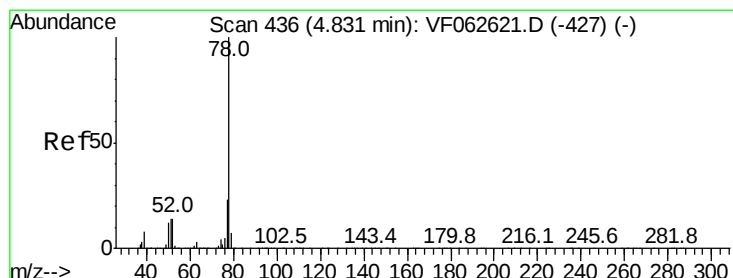
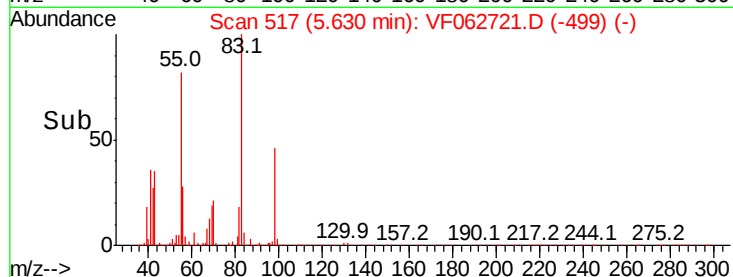
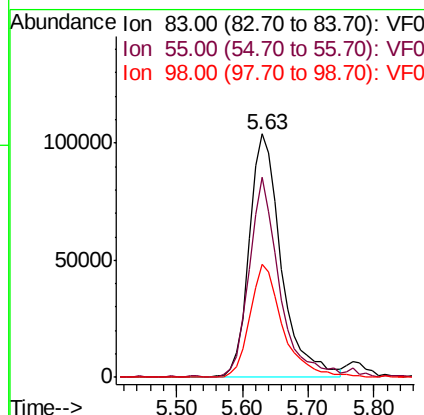
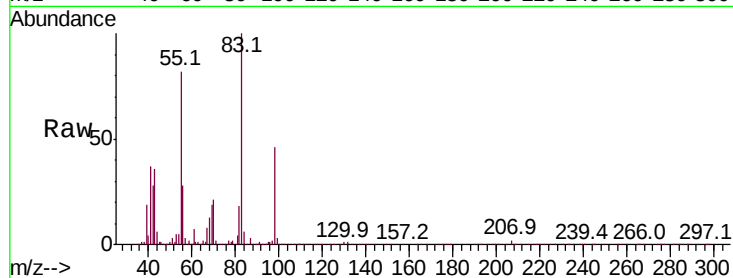
#39
Methvlcvclohexane
Concen: 21.533 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp Lower	Upper
83	100		
55	82.2	57.9	86.9
98	46.4	34.6	52.0

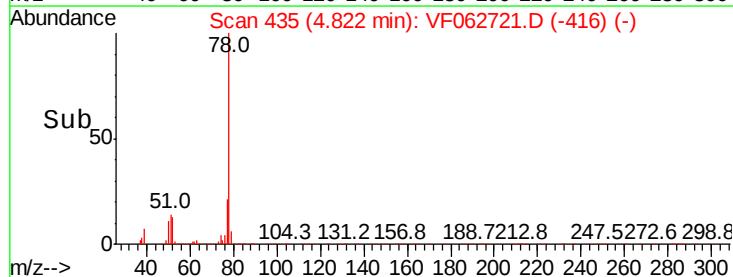
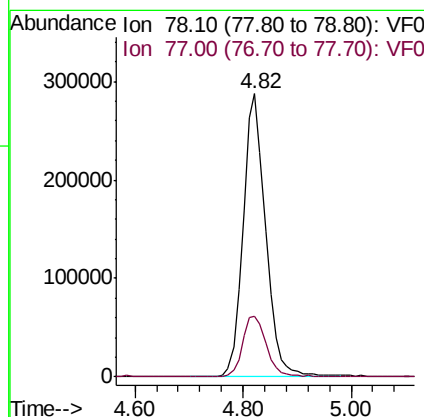
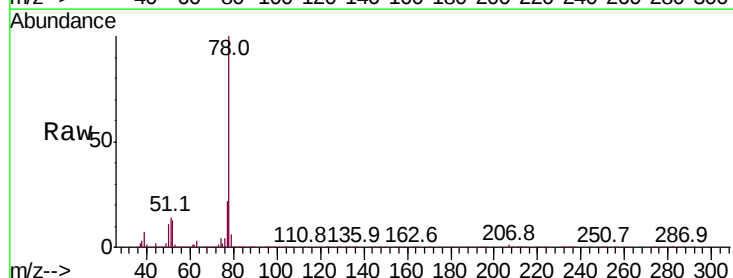
Manual Integrations
APPROVED

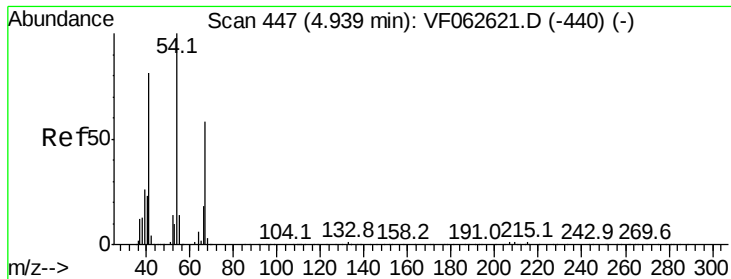
MMDadoda
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#40
Benzene
Concen: 22.202 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Resp Lower	Upper
78	100		
77	21.6	18.2	27.2





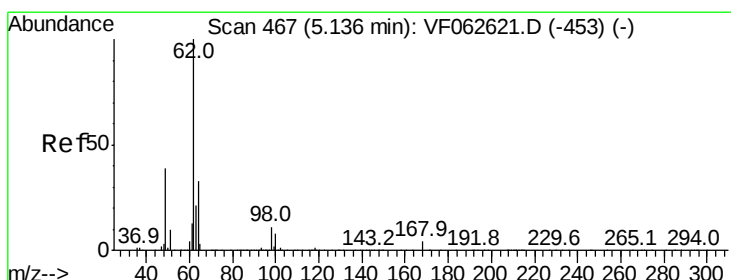
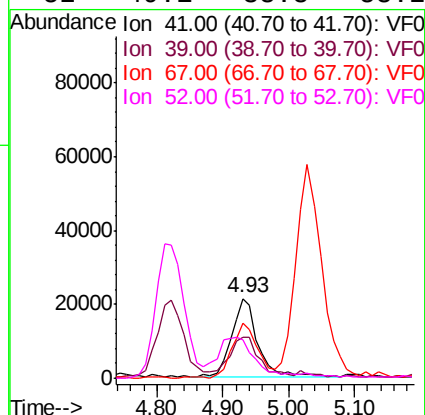
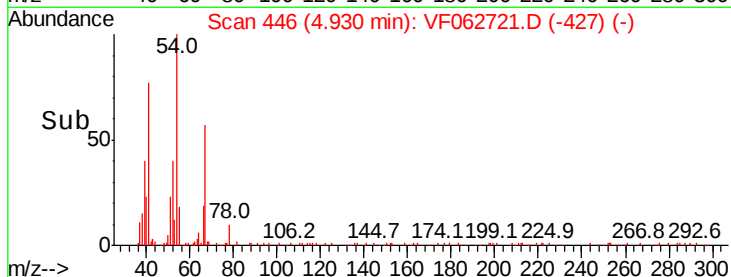
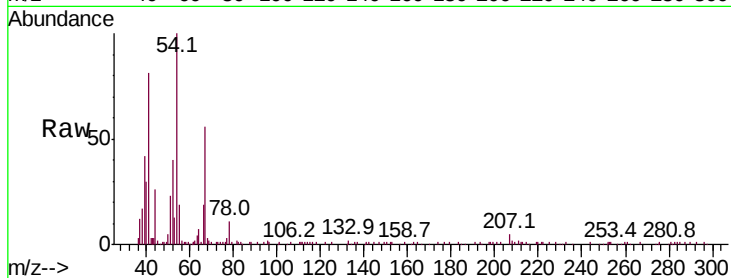
#41
Methacrylonitrile
Concen: 19.745 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	41	Resp	58069
Ion	Ratio	Lower	Upper
41	100		
39	51.1	42.2	63.2
67	68.7	56.4	84.6
52	49.1	38.8	58.2

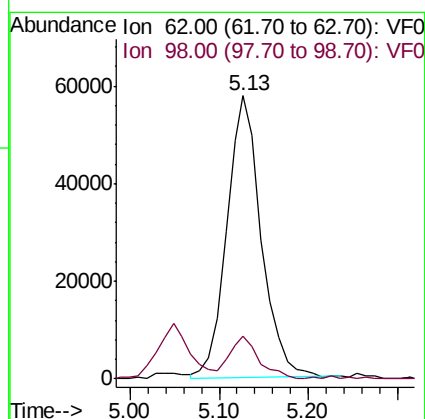
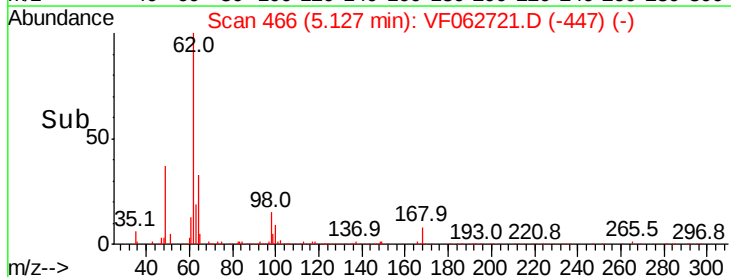
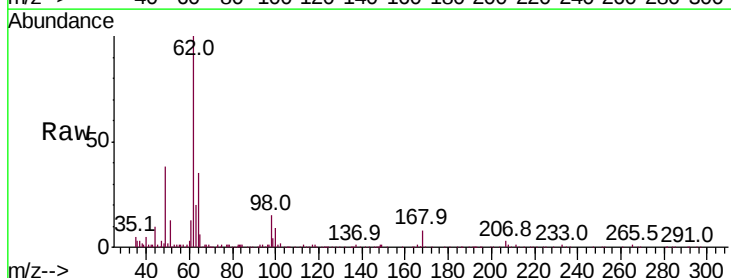
Manual Integrations
APPROVED

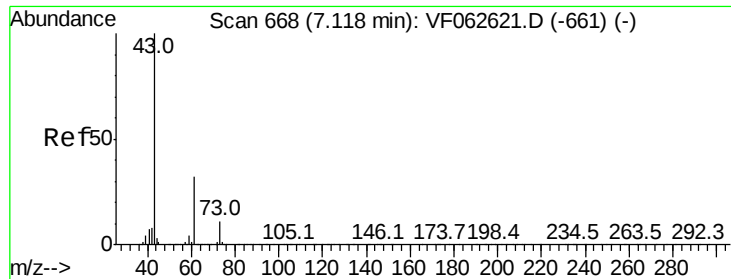
MMDadoda
5/24/2019 11:15:54 AM



#42
1,2-Dichloroethane
Concen: 20.785 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	62	Resp	155141
Ion	Ratio	Lower	Upper
62	100		
98	15.0	0.0	21.6





#43

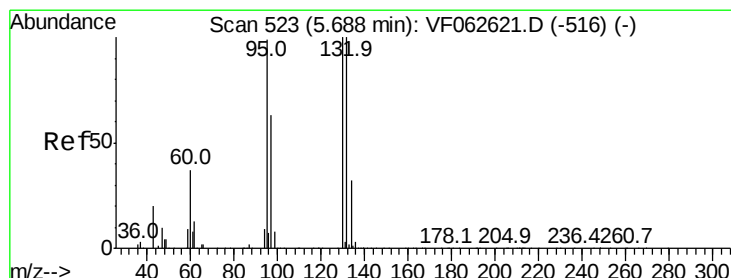
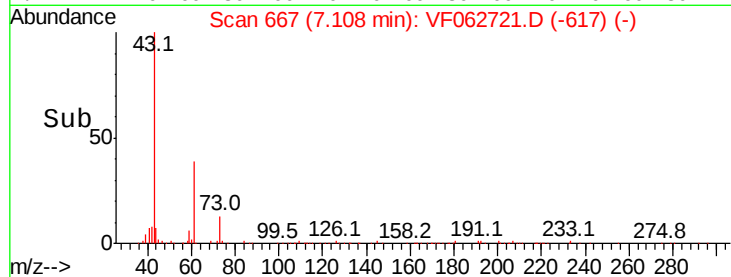
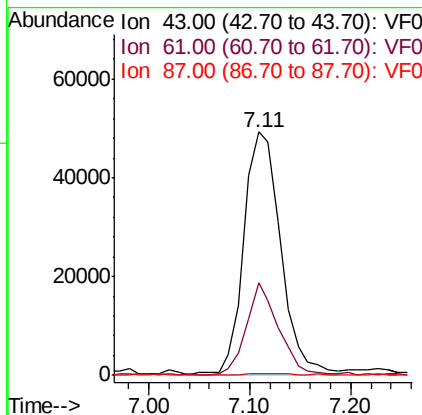
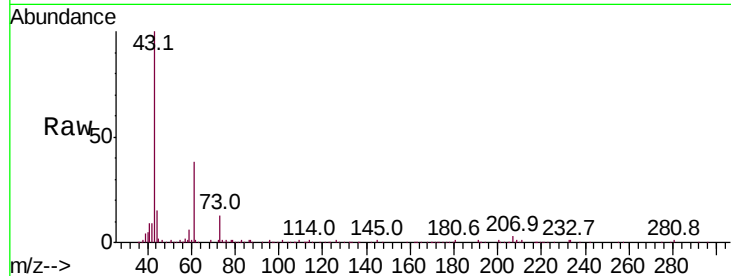
Isopropyl Acetate
 Concen: 17.445 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.9	25.8	38.8
87	1.1	0.4	0.6

Manual Integrations
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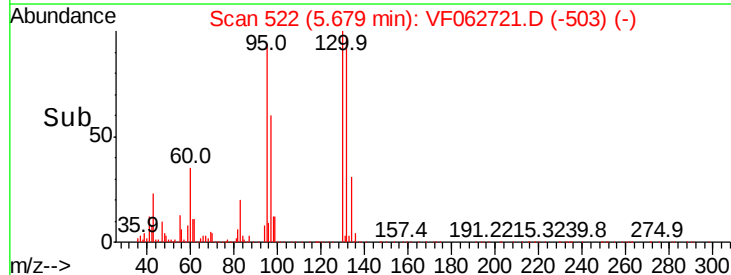
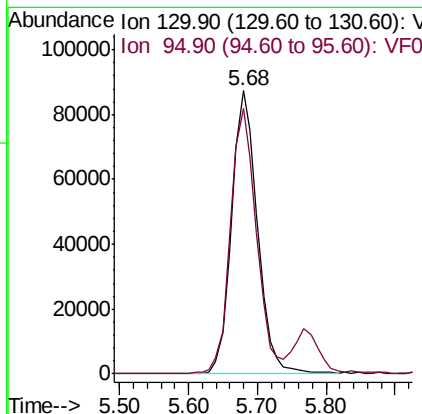
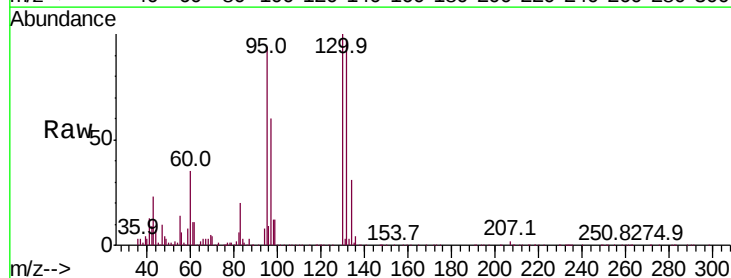
MMDadoda
 5/24/2019 11:15:54 AM

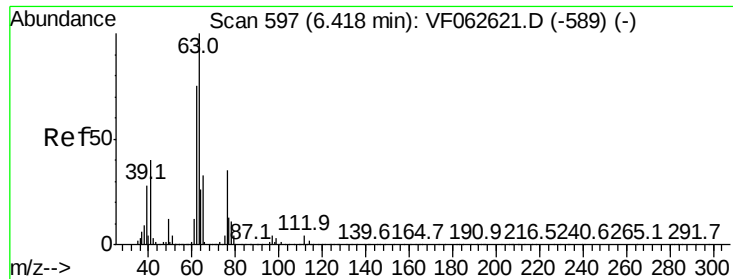


#44

Trichloroethene
 Concen: 21.607 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	199.4





#45

1,2-Dichloropropane

Concen: 21.241 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 63 Resp: 200693

Ion Ratio Lower Upper

63 100

65 27.0

26.3

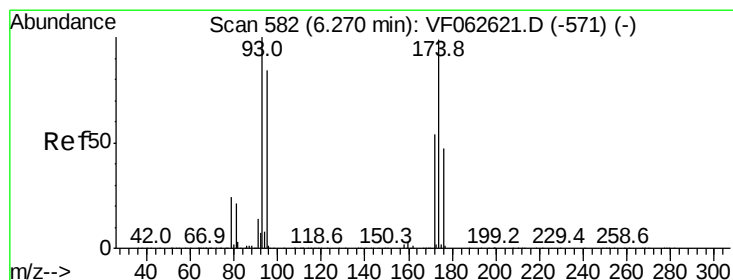
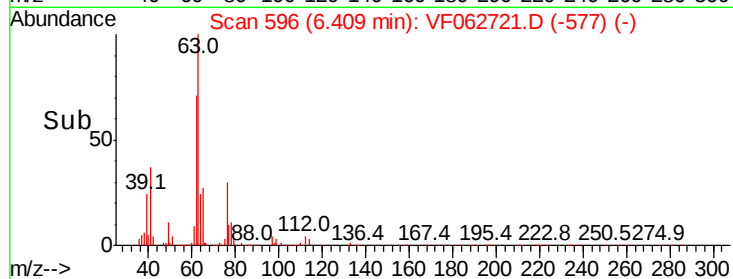
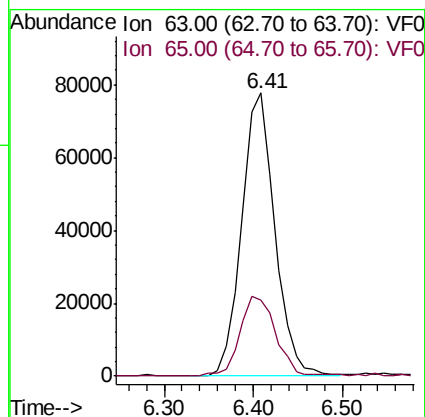
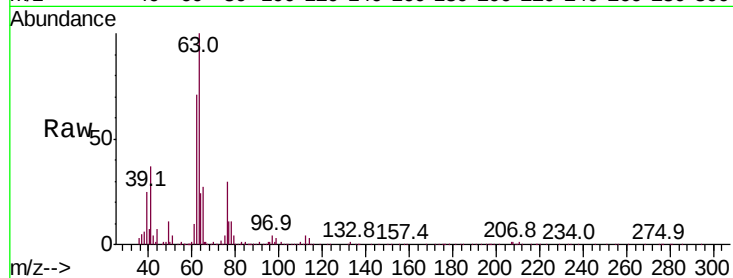
39.5

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5/24/2019 11:15:54 AM



#46

Dibromomethane

Concen: 21.206 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion: 93 Resp: 115798

Ion Ratio Lower Upper

93 100

95 81.1

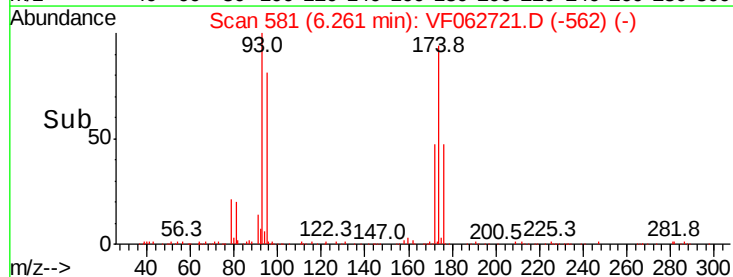
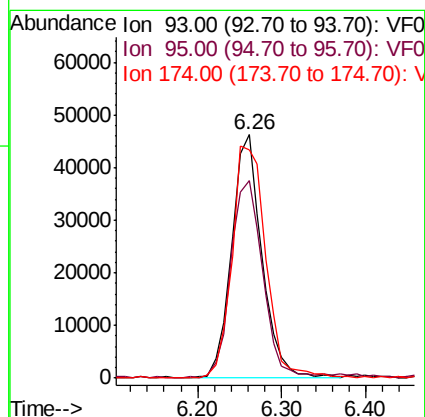
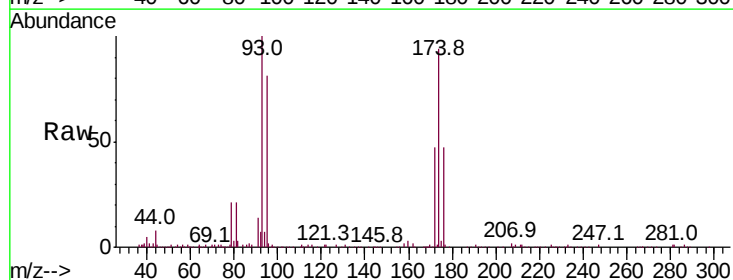
67.4

101.2

174 96.6

79.4

119.2





#47

Bromodichloromethane

Concen: 21.032 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

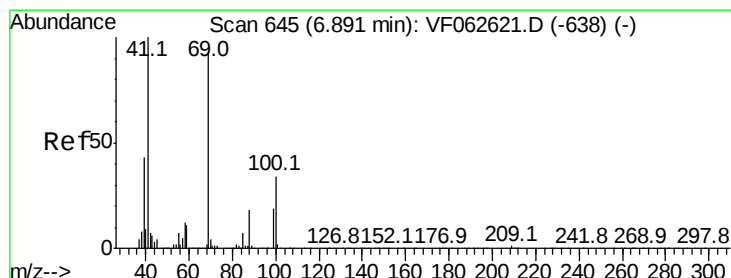
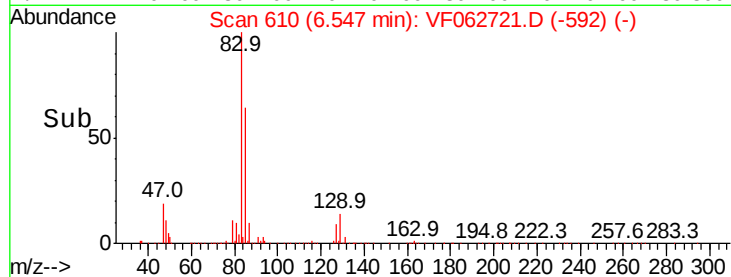
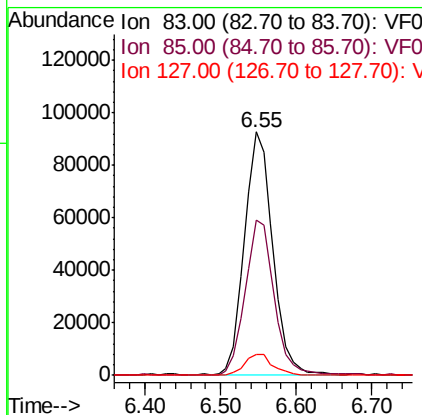
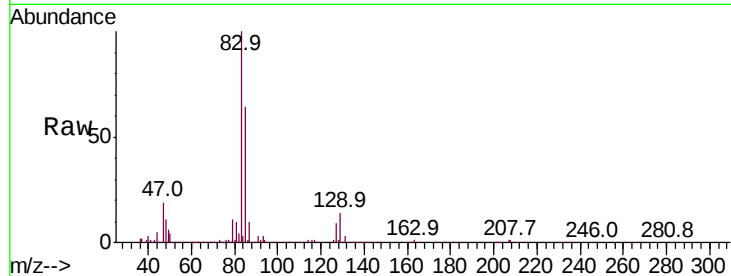
ClientSampleId :

VF0523SBS01

Tot Ion:	83	Resp:	238417
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.0	78.0
127	8.6	7.7	11.5

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#48

Methyl methacrylate

Concen: 17.114 ug/l

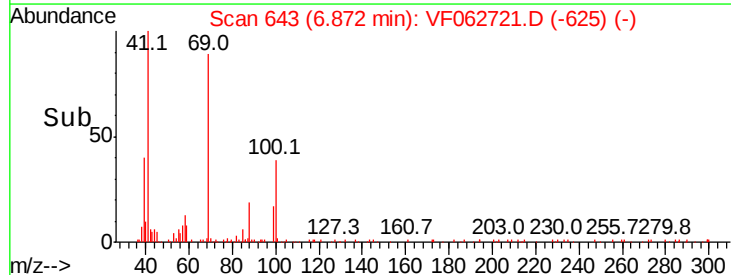
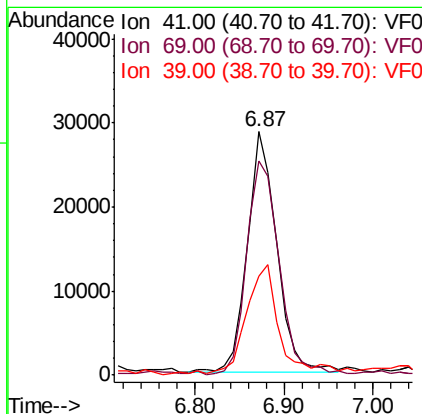
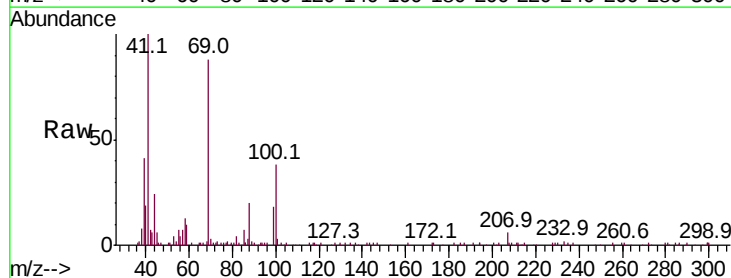
RT: 6.87 min Scan# 643

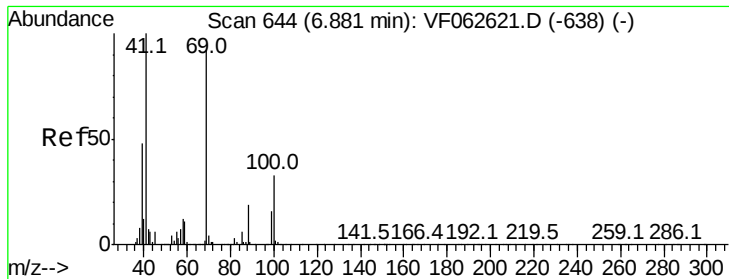
Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	41	Resp:	65011
Ion Ratio	Lower	Upper	
41	100		
69	88.2	74.2	111.2
39	40.8	34.2	51.4





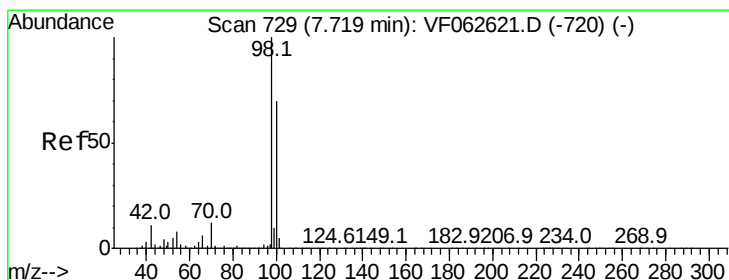
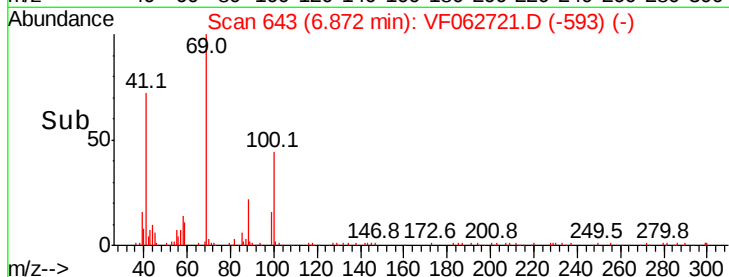
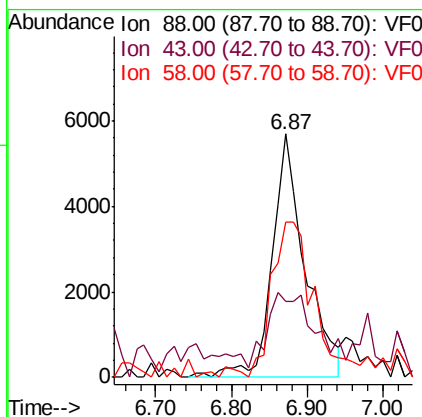
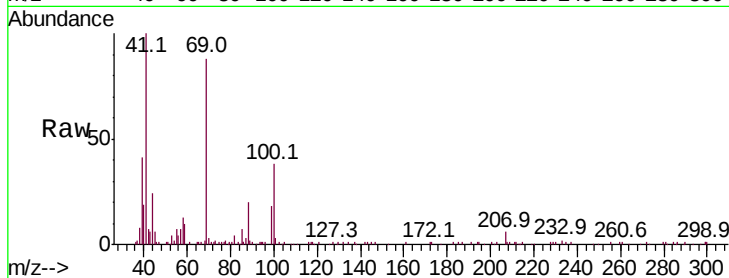
#49
1,4-Dioxane
Concen: 352.148 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	30.0	45.0
58	63.6	51.1	76.7

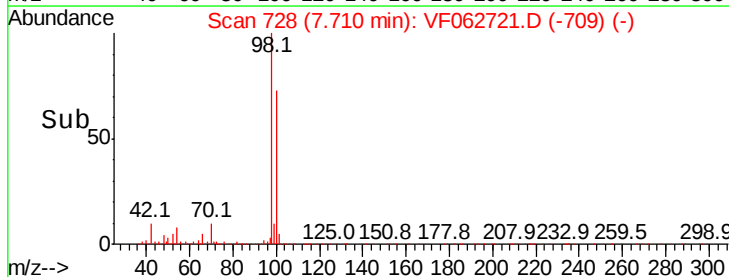
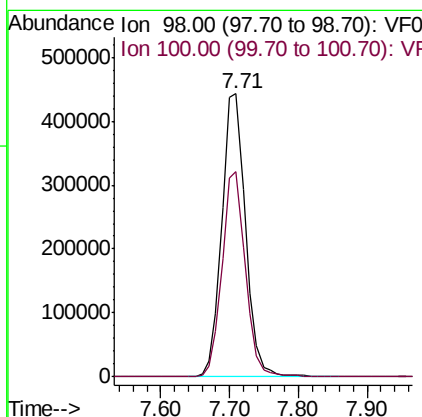
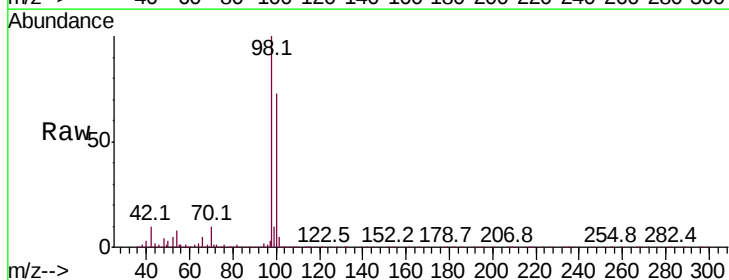
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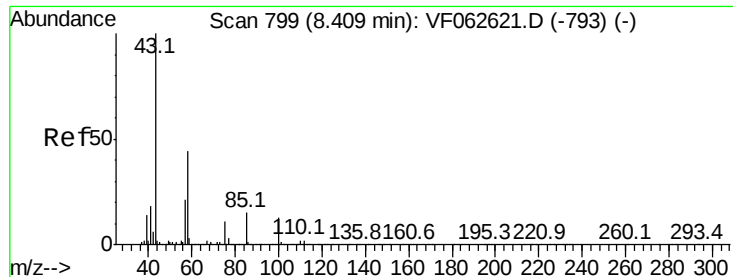
MMDadoda
5/24/2019 11:15:54 AM



#50
Toluene-d8
Concen: 43.320 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.7	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 92.995 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 43 Resp: 461968

Ion Ratio Lower Upper

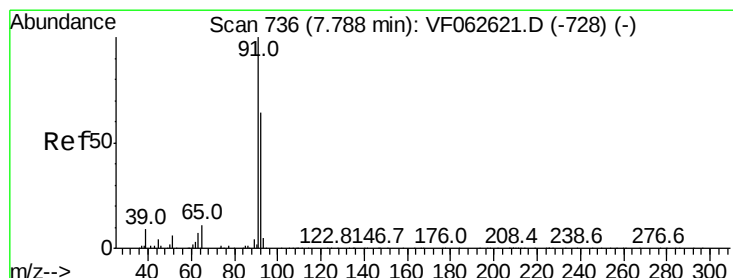
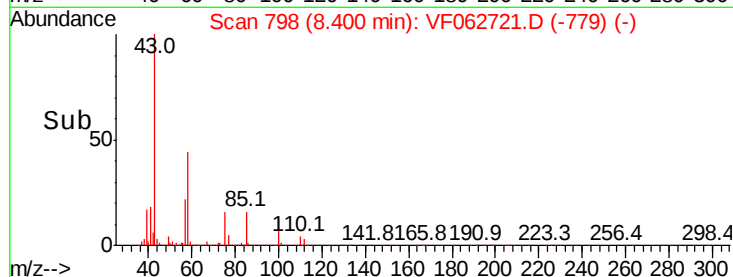
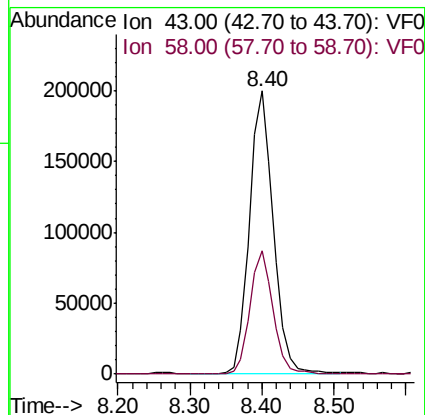
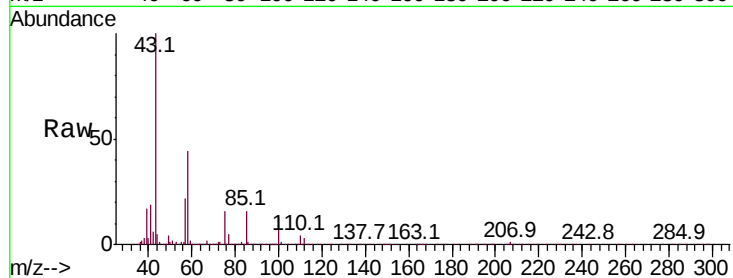
43 100

58 43.7 34.9 52.3

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5/24/2019 11:15:54 AM



#52

Toluene

Concen: 20.661 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062721.D

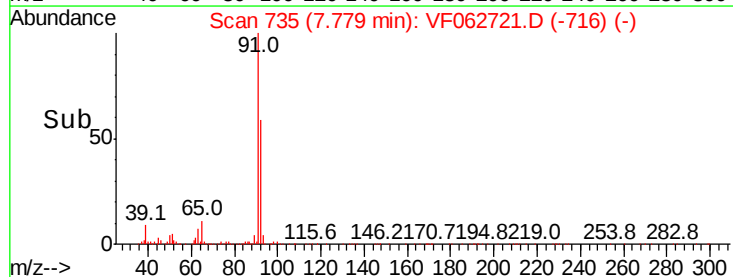
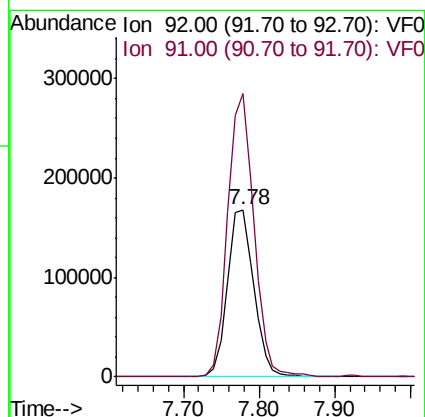
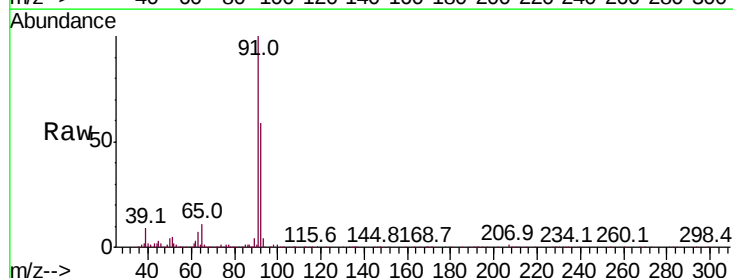
Acq: 23 May 2019 12:38

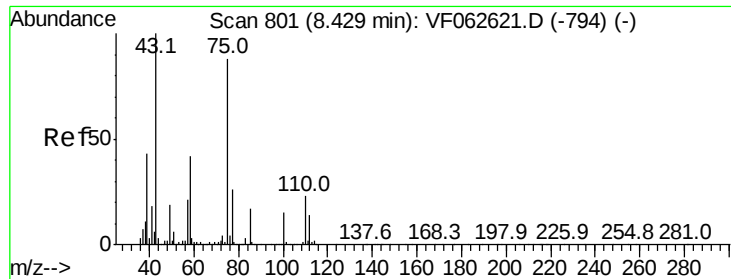
Tgt Ion: 92 Resp: 405565

Ion Ratio Lower Upper

92 100

91 169.6 125.4 188.0





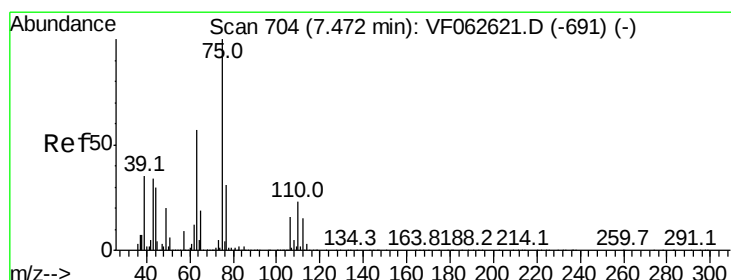
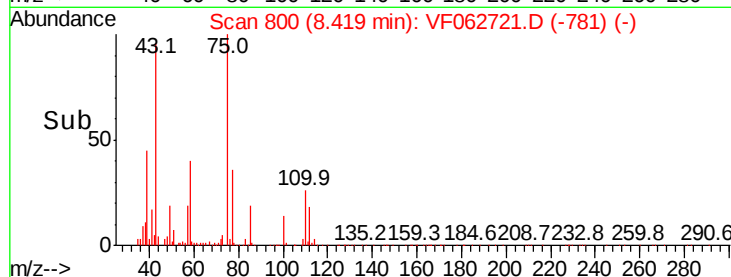
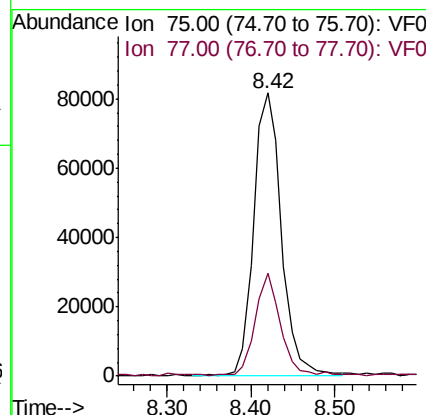
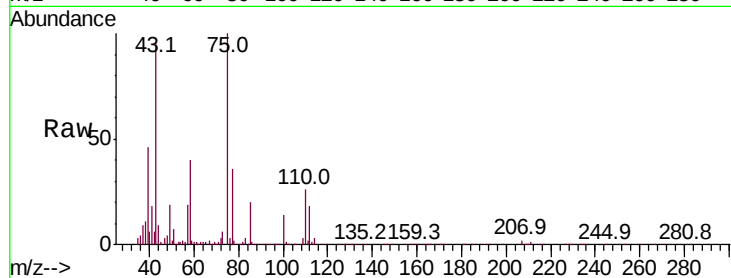
#53
t-1,3-Dichloropropene
Concen: 20.249 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.3	24.2	36.4

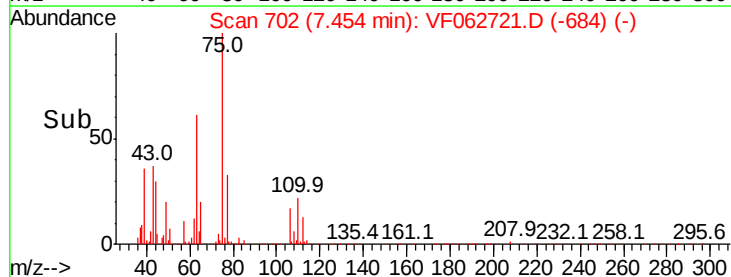
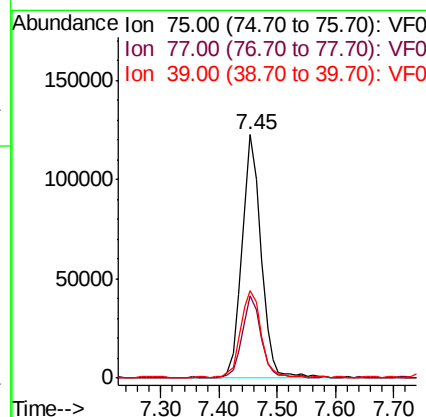
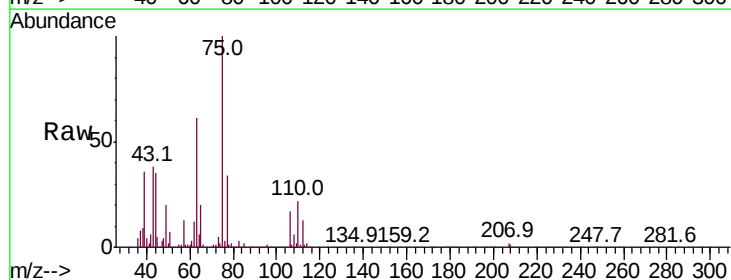
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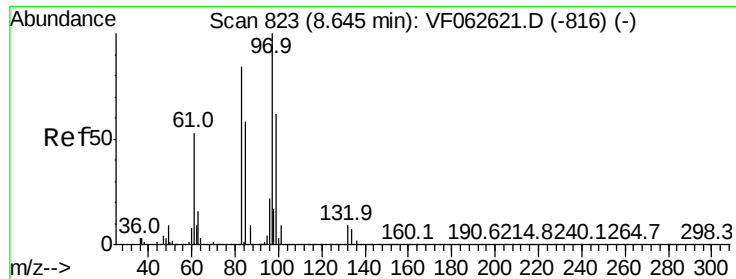
MMDadoda
5/24/2019 11:15:54 AM



#54
cis-1,3-Dichloropropene
Concen: 21.713 ug/l
RT: 7.45 min Scan# 702
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.6	25.3	37.9
39	36.1	28.2	42.2





#55

1,1,2-Trichloroethane

Concen: 20.282 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062721.D

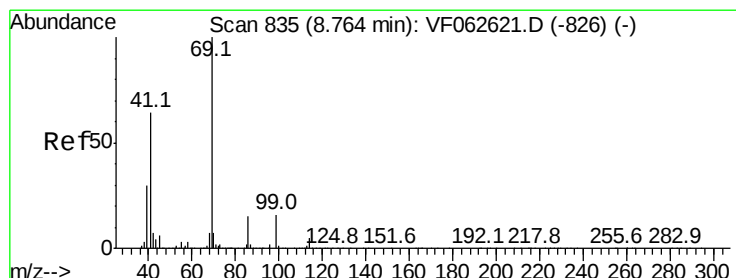
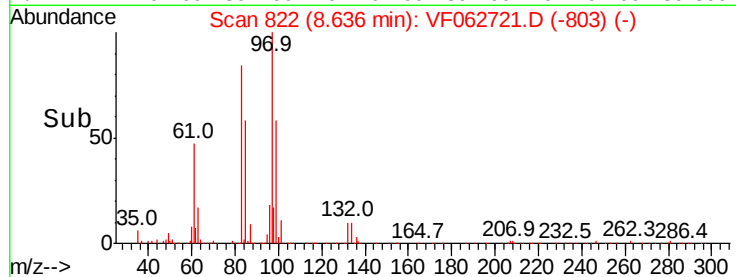
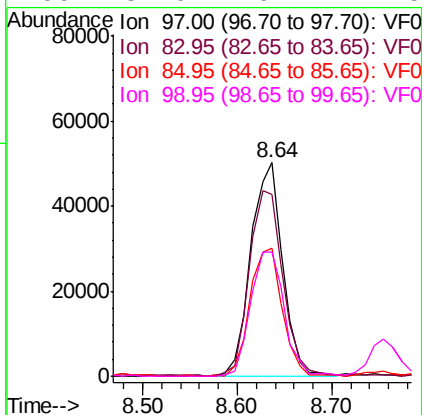
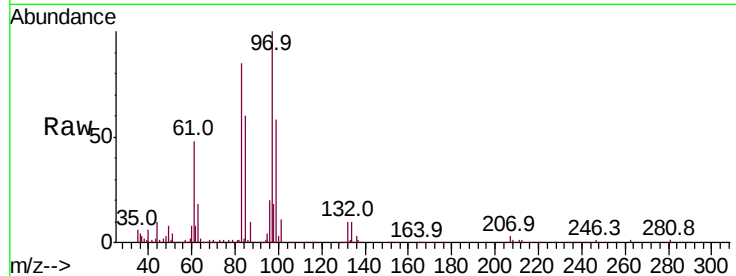
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	97	Resp	117879
Ion Ratio	Lower	Upper	
97	100		
83	85.1	67.3	100.9
85	60.1	46.6	69.8
99	57.9	49.7	74.5

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#56

Ethyl methacrylate

Concen: 17.490 ug/l

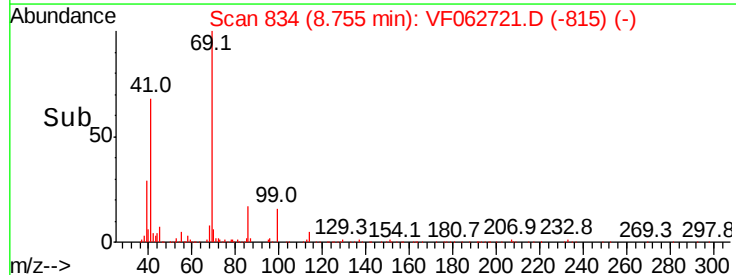
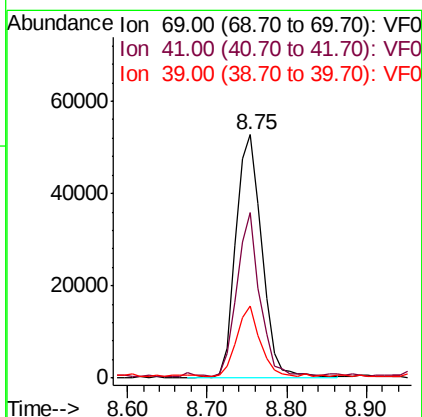
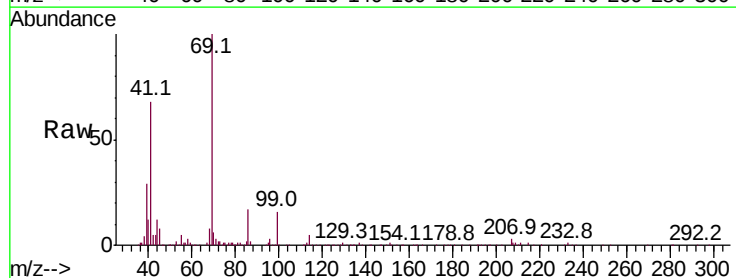
RT: 8.75 min Scan# 834

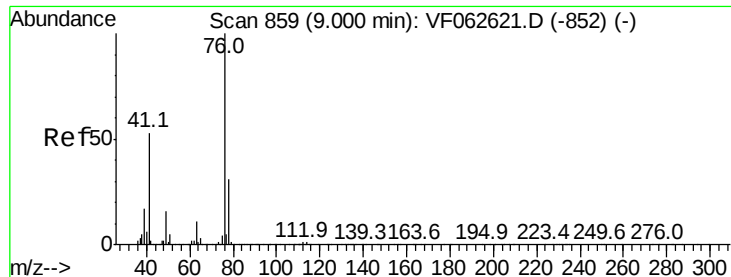
Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion	69	Resp	121110
Ion Ratio	Lower	Upper	
69	100		
41	67.9	51.4	77.2
39	29.5	23.6	35.4





#57

1,3-Dichloropropane

Concen: 19.715 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062721.D

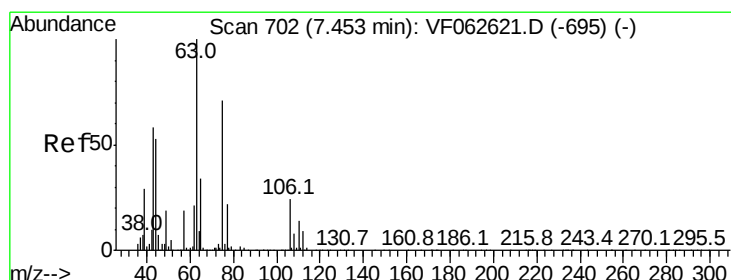
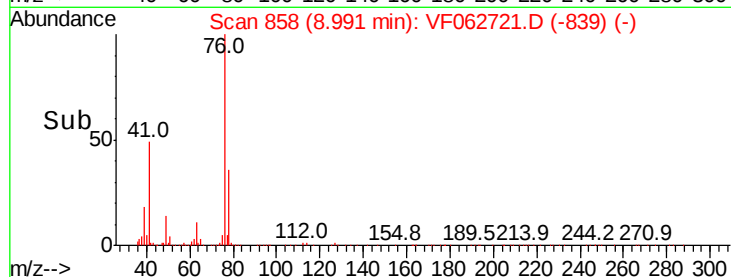
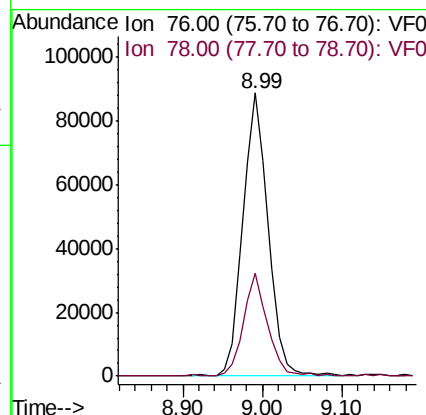
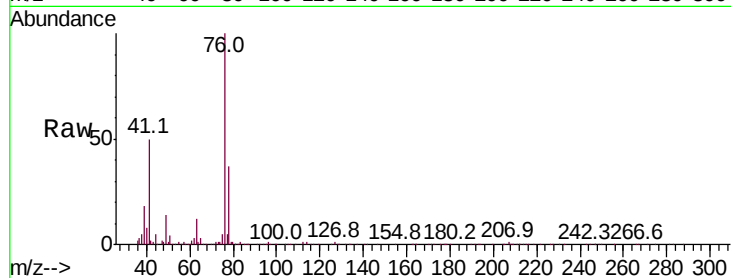
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.6	25.4	38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 87.981 ug/l

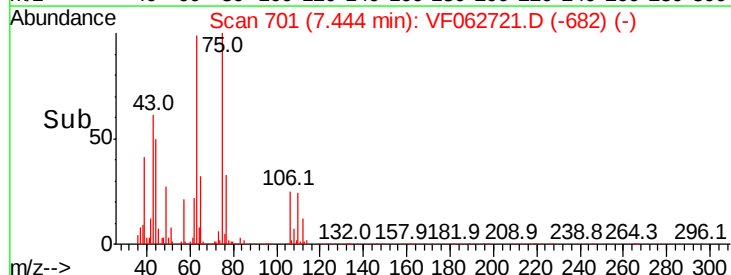
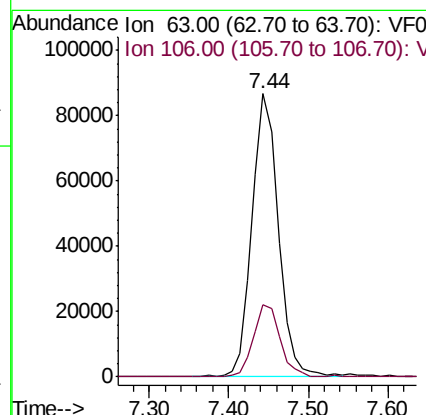
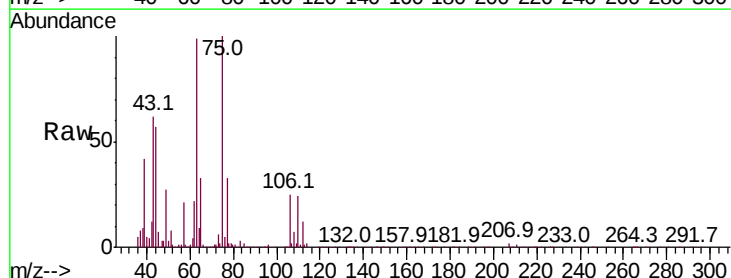
RT: 7.44 min Scan# 701

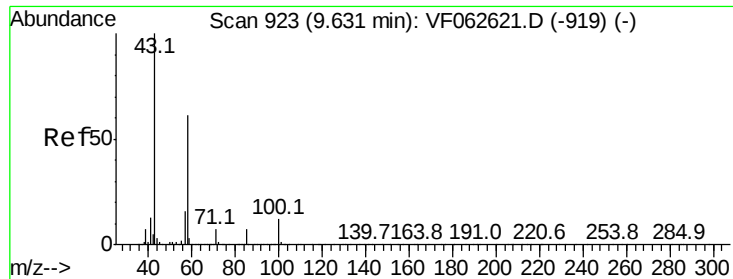
Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.1	28.7





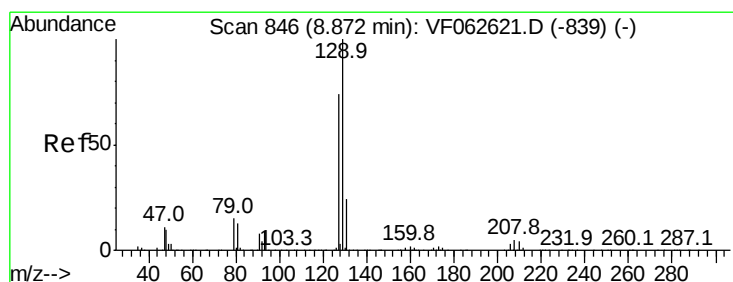
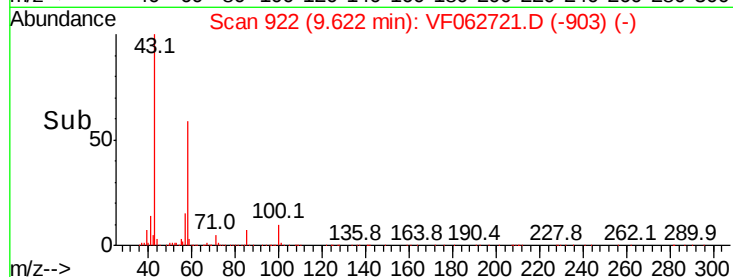
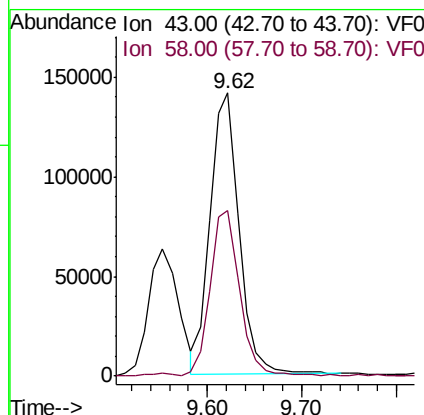
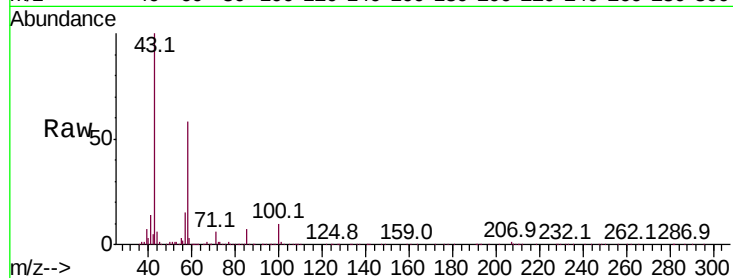
#59
2-Hexanone
Concen: 81.120 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.5	28.1	84.4

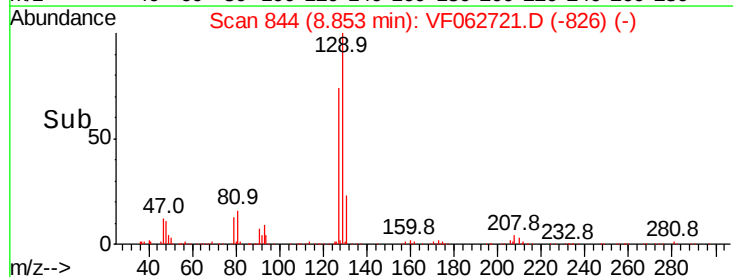
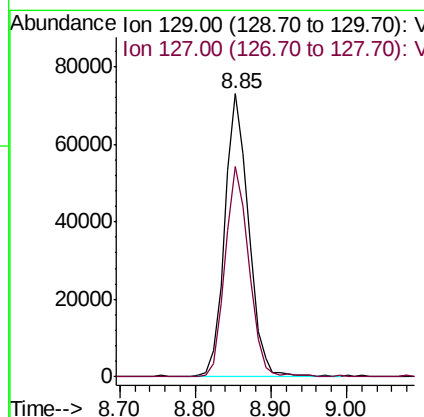
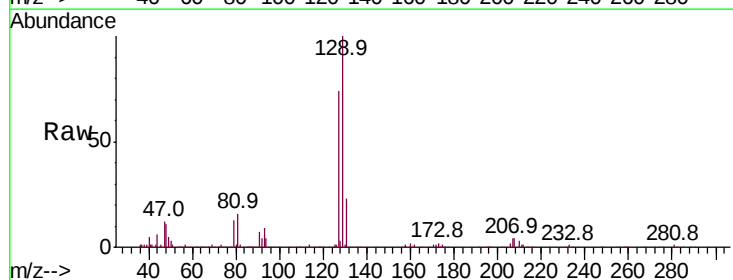
Manual Integrations
APPROVED

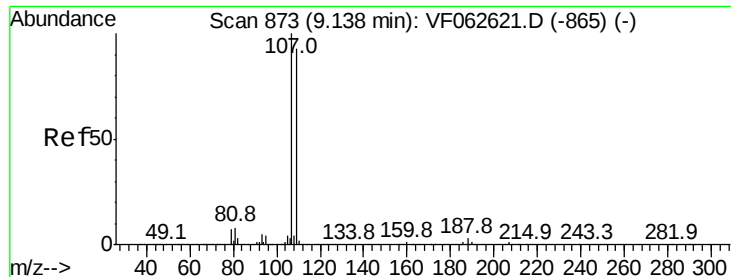
MMDadoda
5/24/2019 11:15:54 AM



#60
Dibromochloromethane
Concen: 21.152 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.3	37.2	111.6





#61

1,2-Dibromoethane

Concen: 21.060 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion:107 Resp: 130009

Ion Ratio Lower Upper

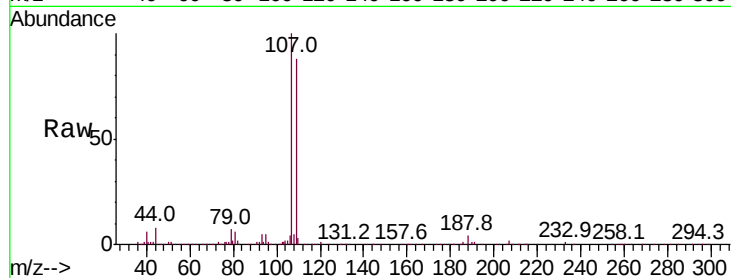
107 100

109 88.1 74.8 112.2

Manual Integrations
APPROVED

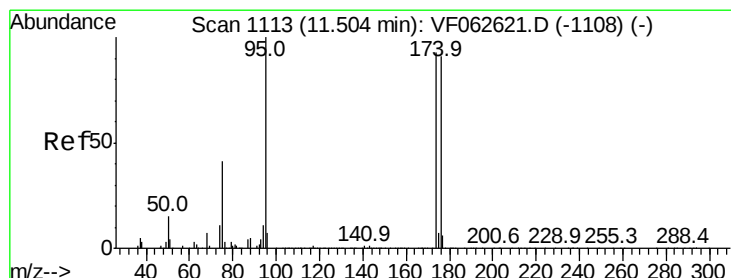
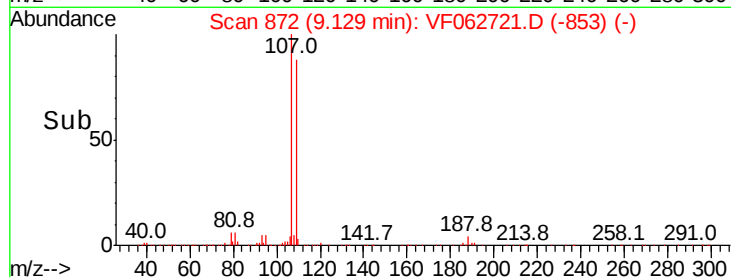
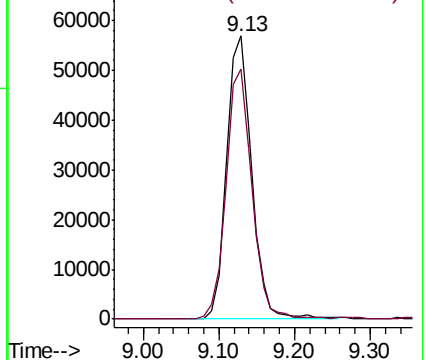
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 40.408 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

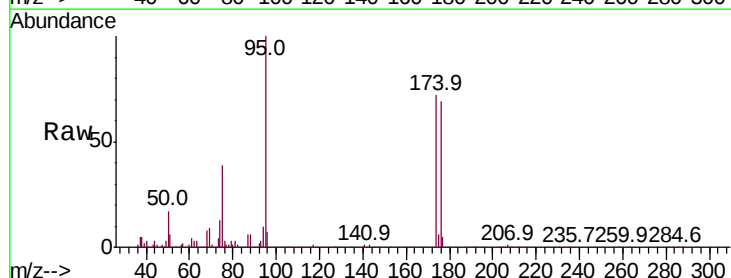
Tgt Ion: 95 Resp: 375422

Ion Ratio Lower Upper

95 100

174 72.3 0.0 185.6

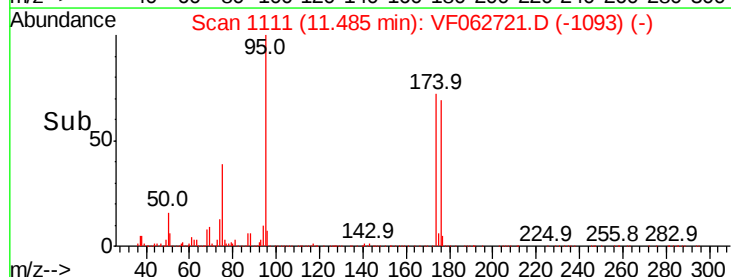
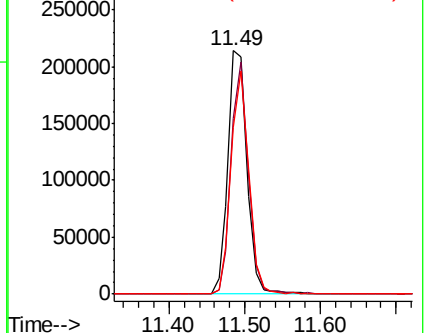
176 68.6 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





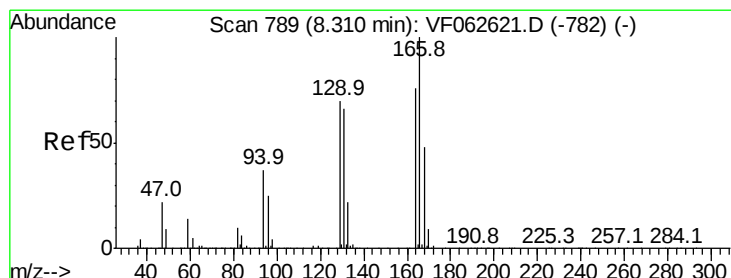
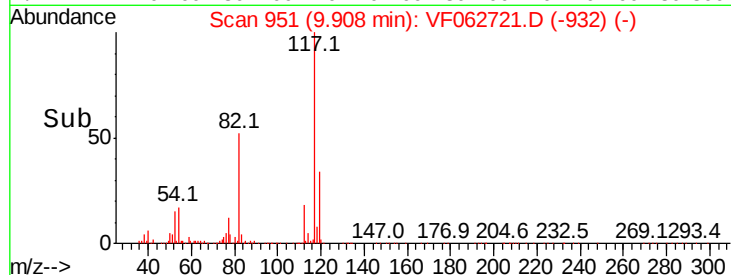
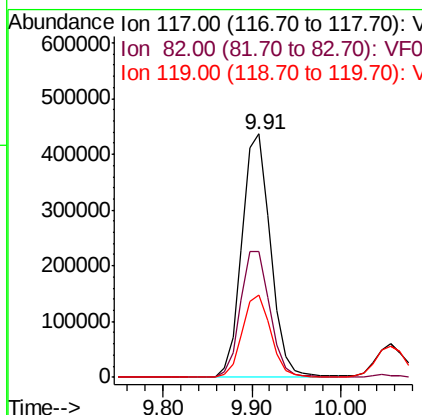
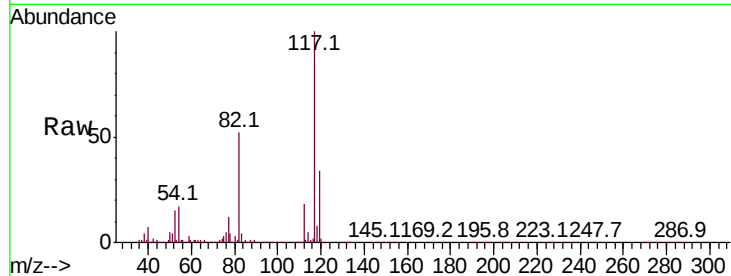
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	974511		
82	51.5	43.3	64.9	
119	34.0	27.4	41.0	

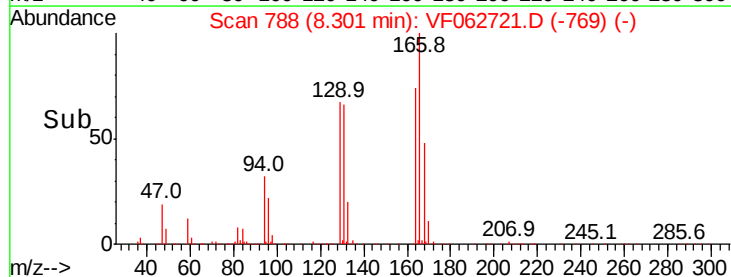
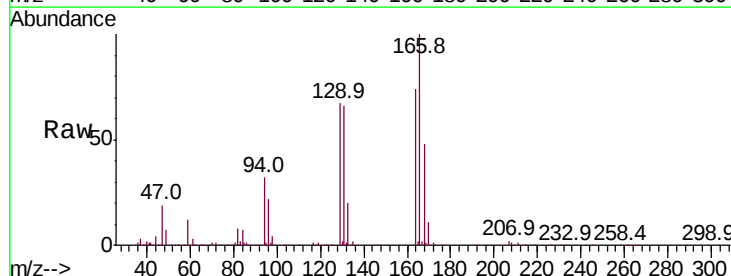
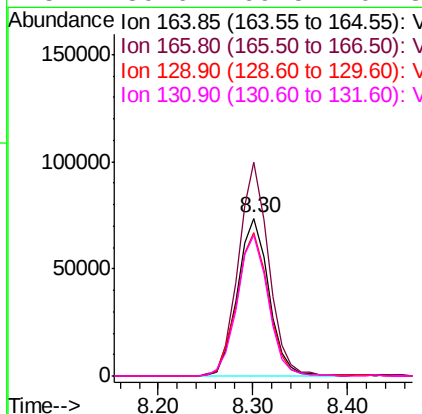
Manual Integrations
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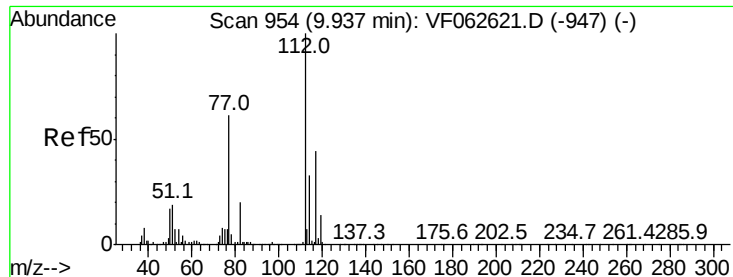
MMDadoda
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#64
Tetrachloroethene
Concen: 21.898 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	169061		
166	135.4	105.5	158.3	
129	90.8	73.8	110.6	
131	89.6	69.5	104.3	





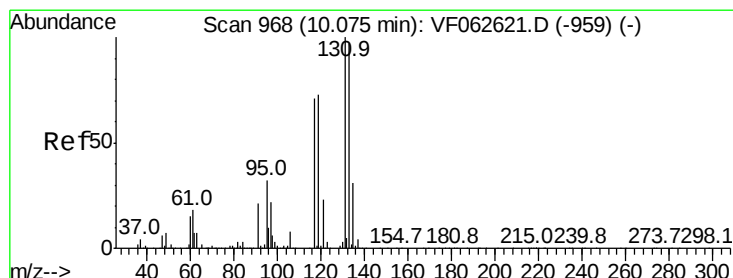
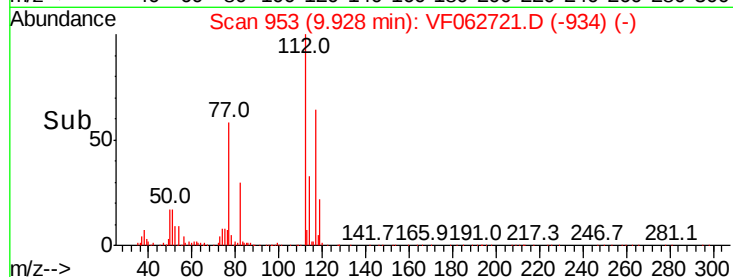
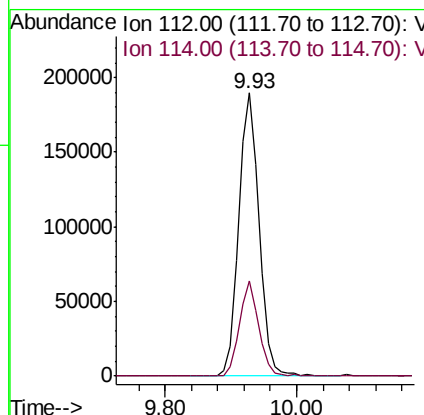
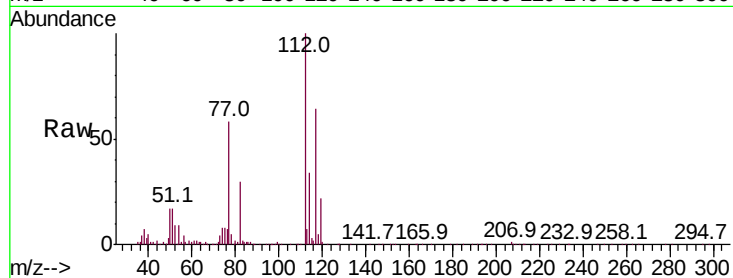
#65
Chlorobenzene
Concen: 21.598 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion:112 Resp: 413400
Ion Ratio Lower Upper
112 100
114 33.5 26.8 40.2

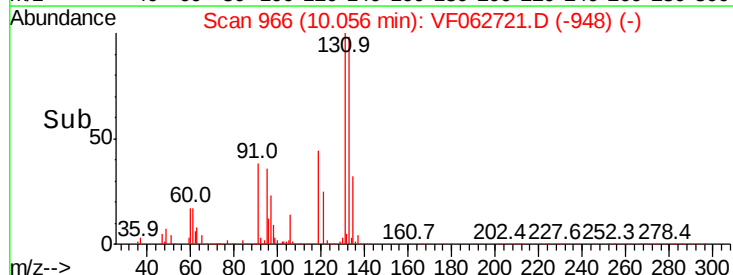
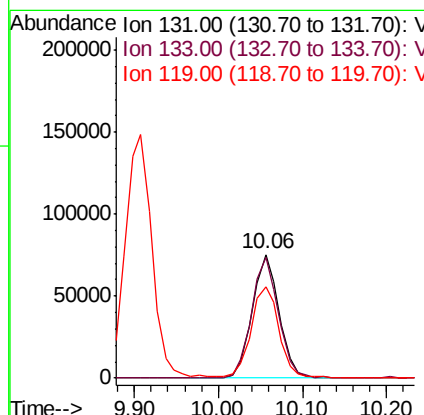
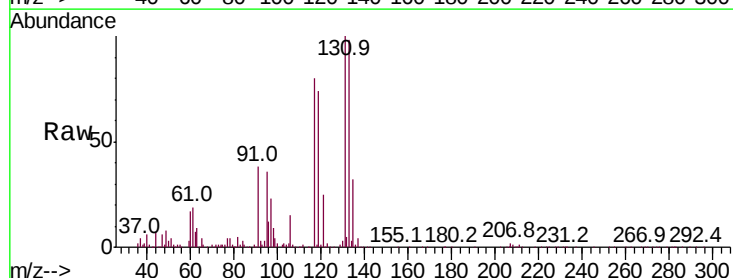
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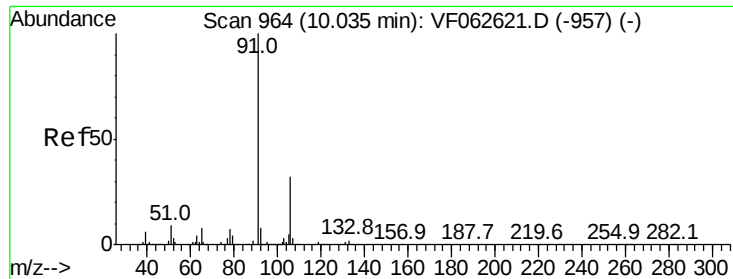
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.970 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion:131 Resp: 168811
Ion Ratio Lower Upper
131 100
133 98.1 48.5 145.5
119 74.0 36.8 110.4





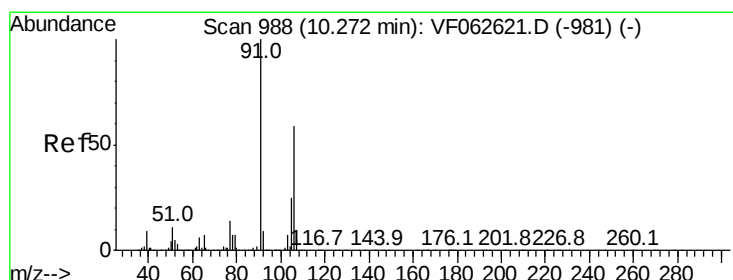
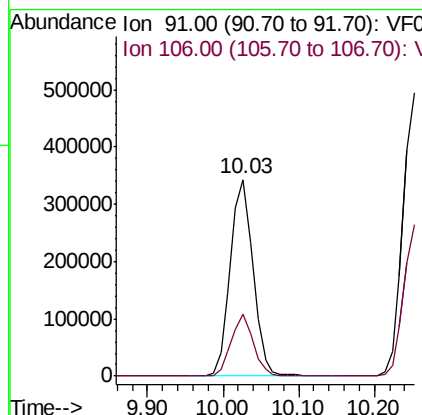
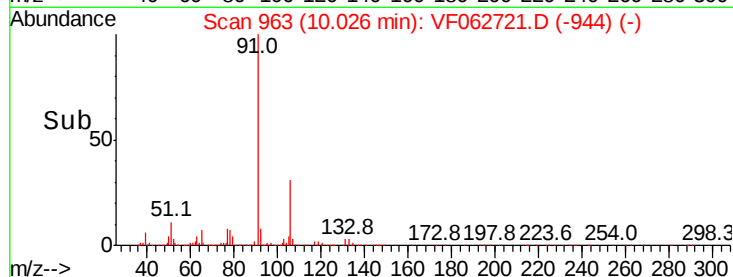
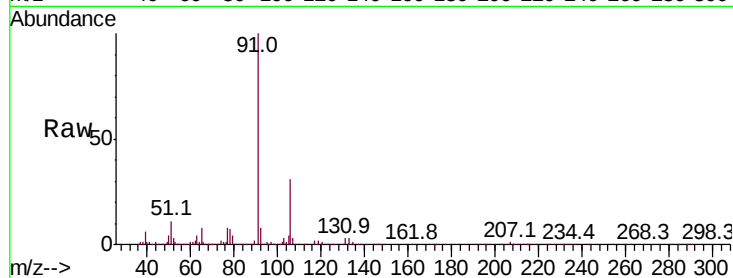
#67
Ethyl Benzene
Concen: 21.504 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion: 91 Resp: 715022
Ion Ratio Lower Upper
91 100
106 31.1 25.8 38.8

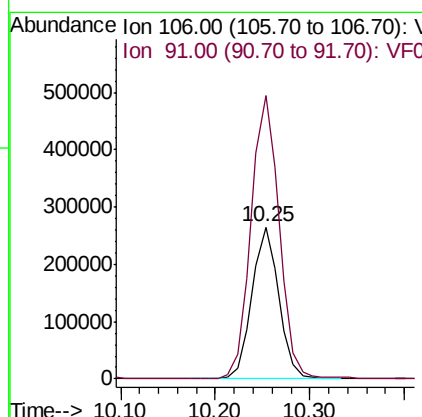
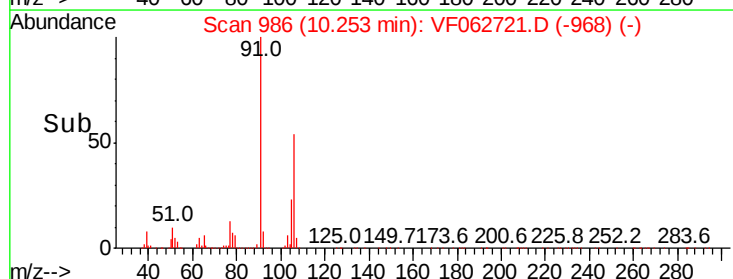
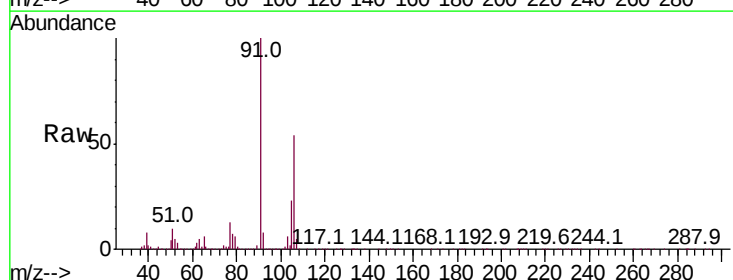
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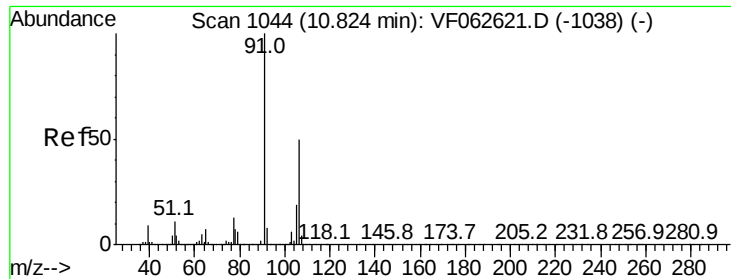
MMDadoda
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#68
m/p-Xylenes
Concen: 42.010 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 106 Resp: 525002
Ion Ratio Lower Upper
106 100
91 186.3 136.9 205.3





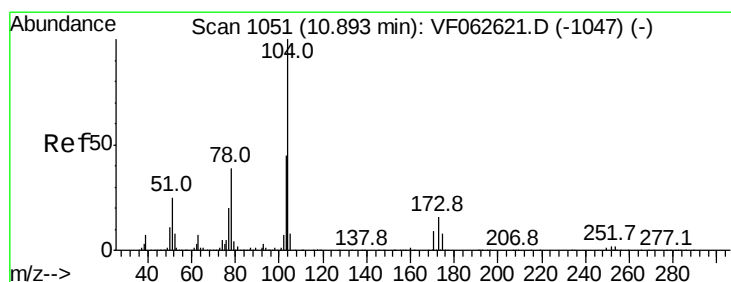
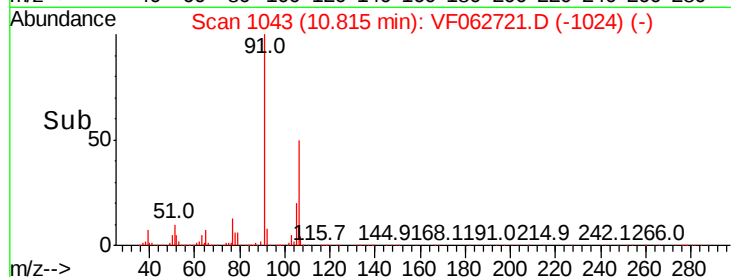
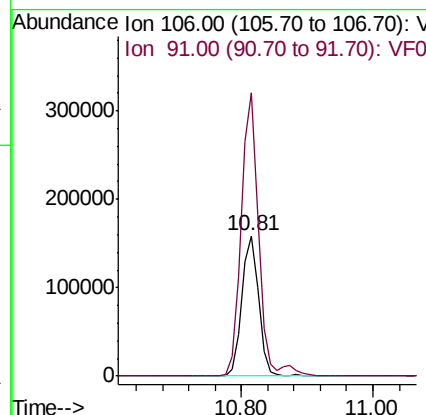
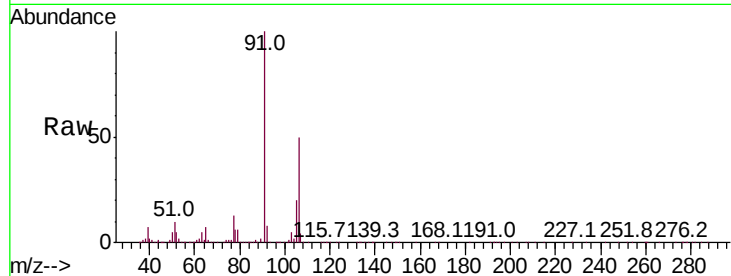
#69
o-Xylene
Concen: 22.489 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.3	100.2	300.5

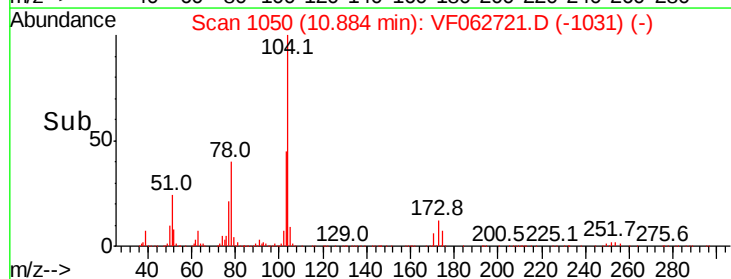
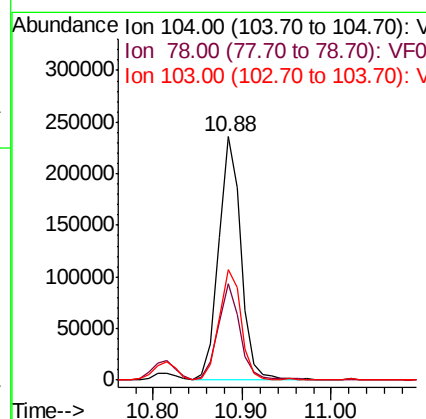
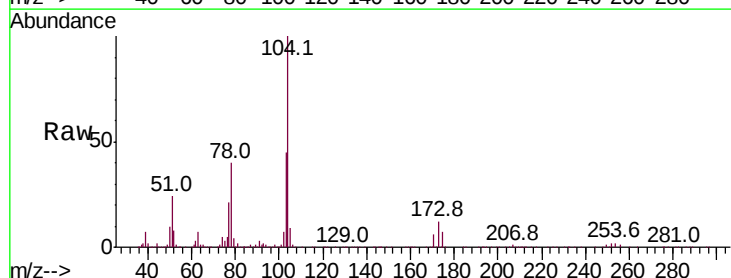
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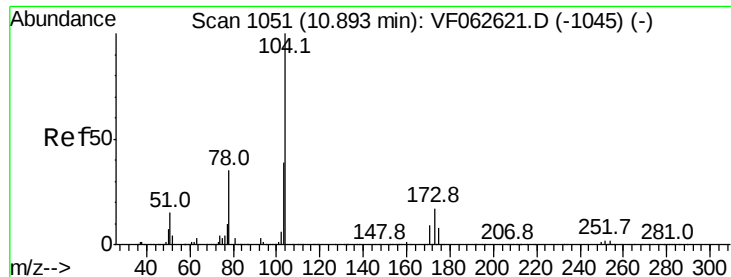
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#70
Styrene
Concen: 21.037 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	39.6	31.9	47.9
103	45.2	36.1	54.1





#71

Bromoform

Concen: 20.539 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

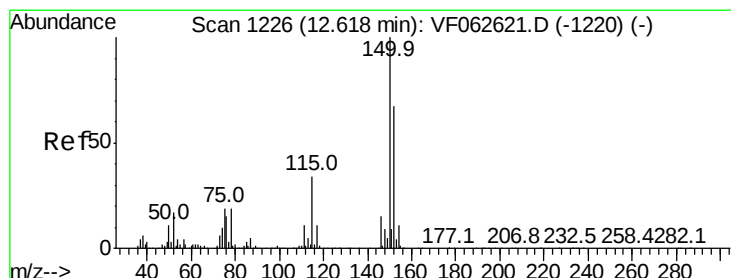
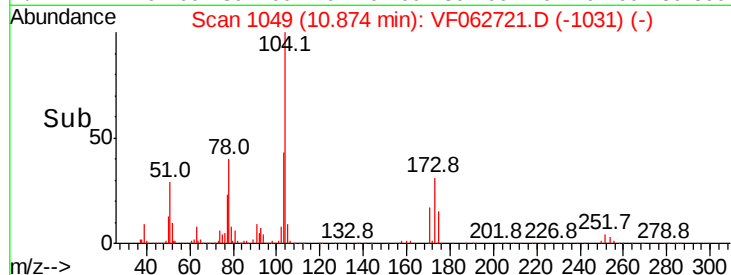
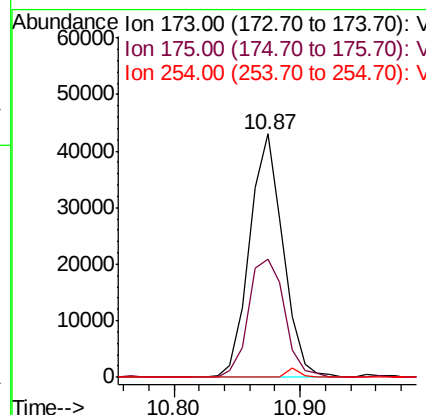
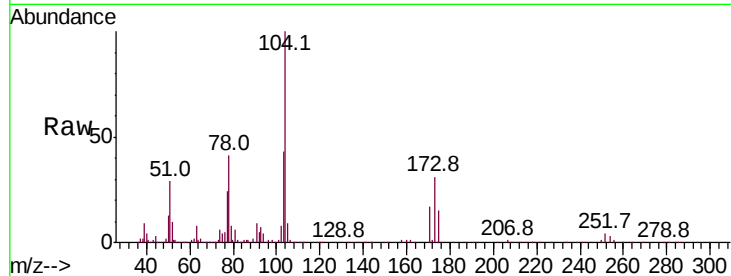
ClientSampleId :

VF0523SBS01

Tot Ion:	173	Resp:	79041
Ion Ratio	Lower	Upper	
173	100		
175	49.8	25.3	75.9
254	0.0	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

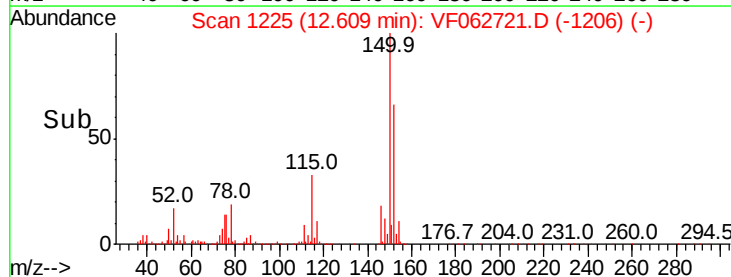
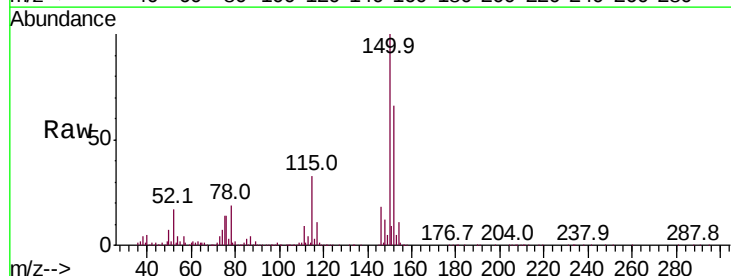
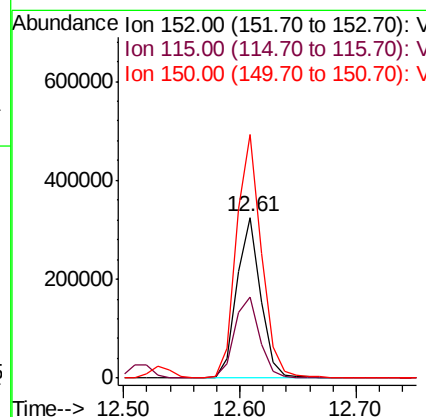
RT: 12.61 min Scan# 1225

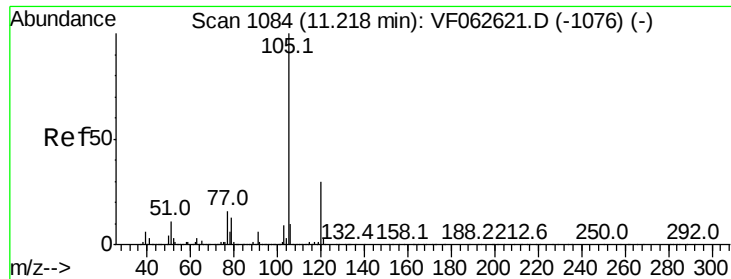
Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	152	Resp:	464533
Ion Ratio	Lower	Upper	
152	100		
115	50.1	25.2	75.6
150	151.4	0.0	306.2





#73

Isopropylbenzene

Concen: 22.857 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion:105 Resp: 761007

Ion Ratio Lower Upper

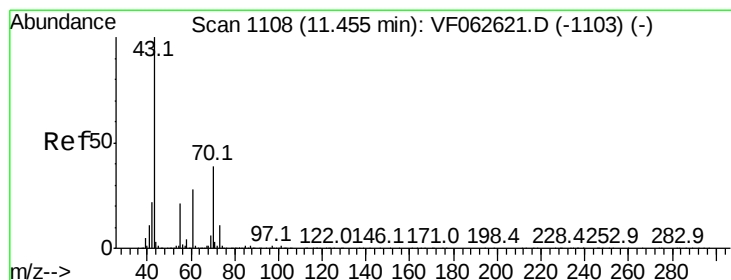
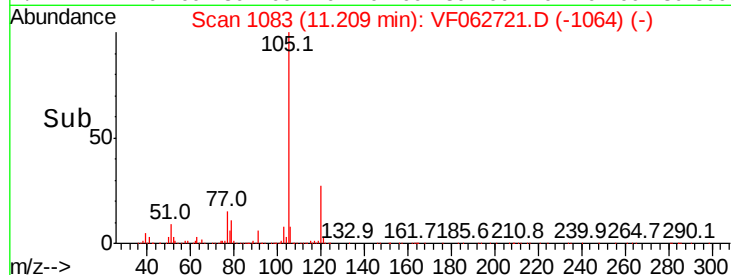
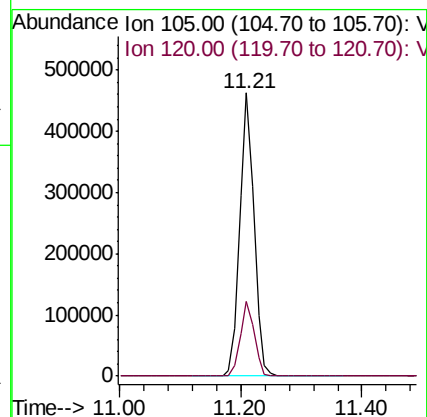
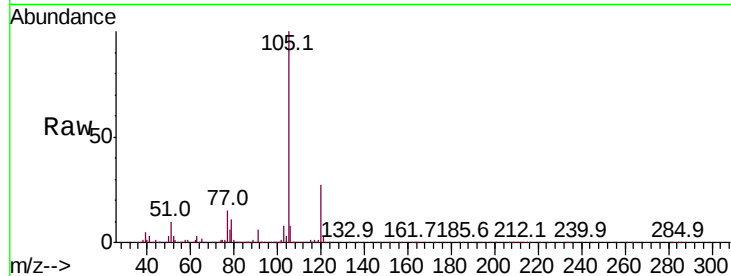
105 100

120 26.6 14.8 44.4

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#74

N-ethyl acetate

Concen: 19.144 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion: 43 Resp: 190385

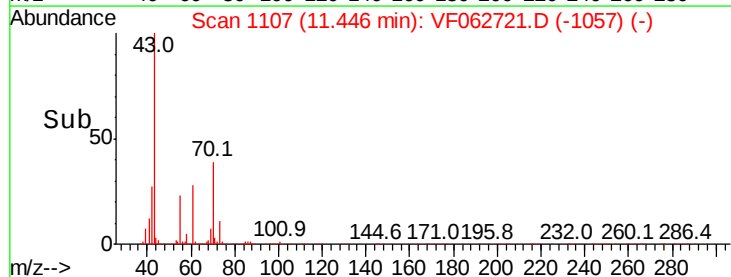
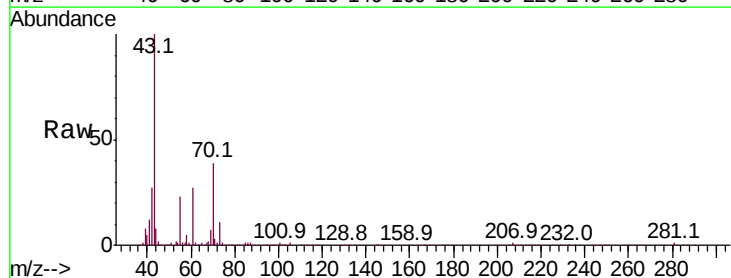
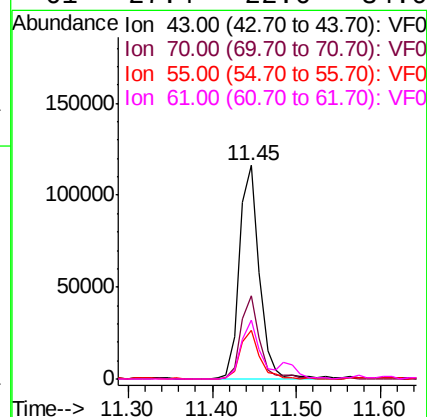
Ion Ratio Lower Upper

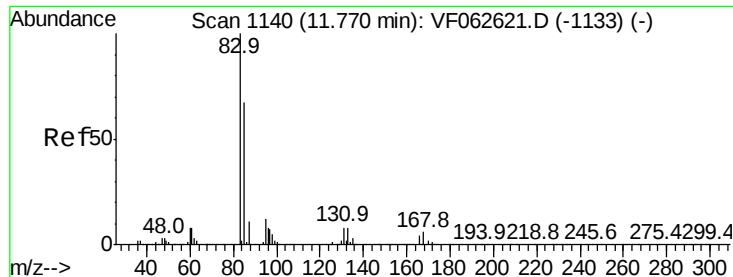
43 100

70 39.1 30.9 46.3

55 23.1 17.0 25.4

61 27.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.743 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

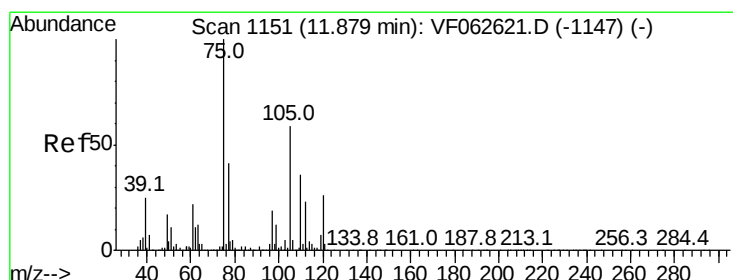
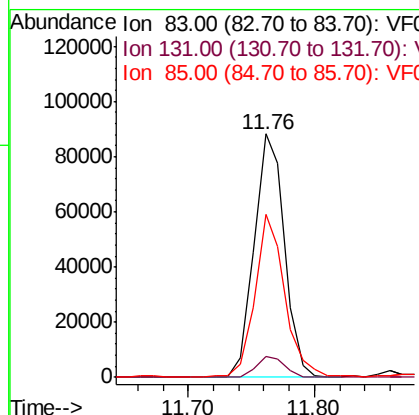
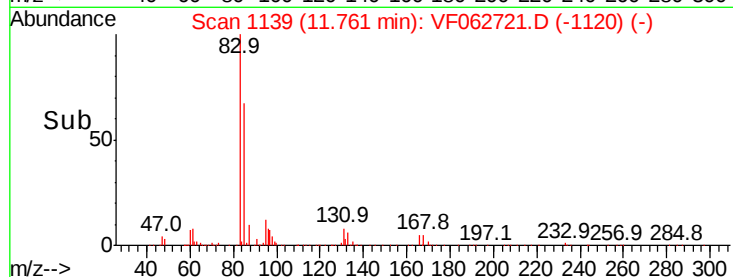
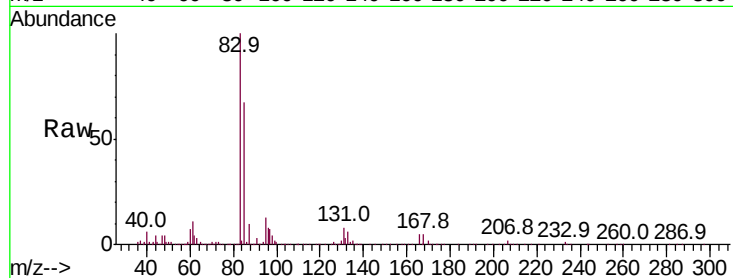
ClientSampleId :

VF0523SBS01

Tot Ion:	83	Resp:	147938
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.0	12.0
85	67.1	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 19.571 ug/l

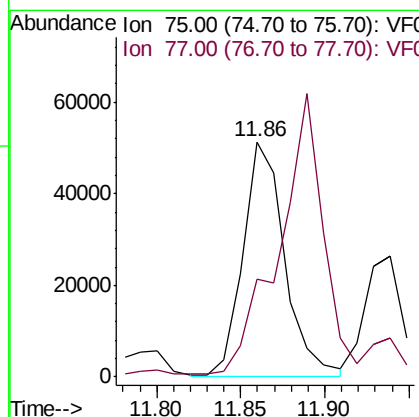
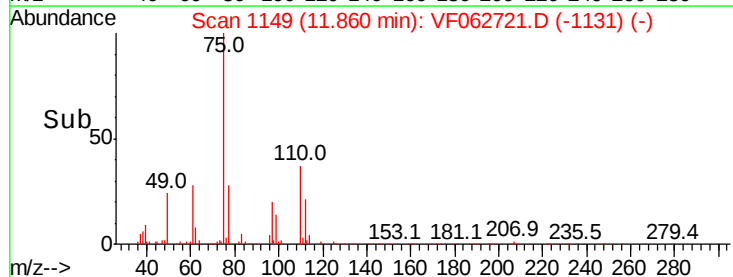
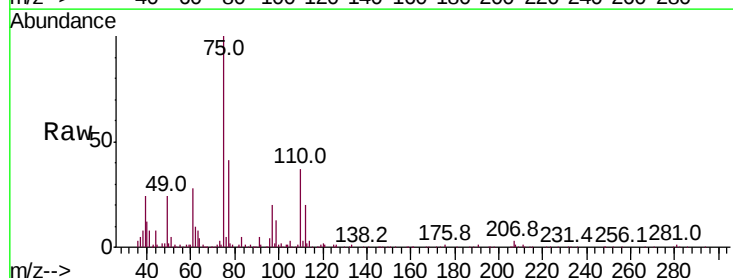
RT: 11.86 min Scan# 1149

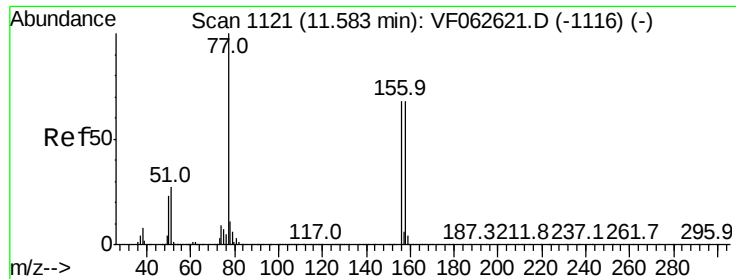
Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	75	Resp:	87498
Ion Ratio	Lower	Upper	
75	100		
77	41.3	20.6	61.8





#77

Bromobenzene

Concen: 21.284 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

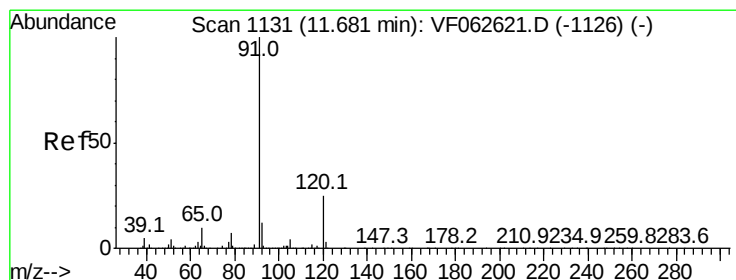
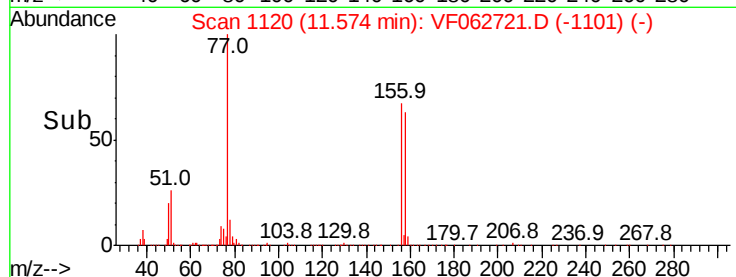
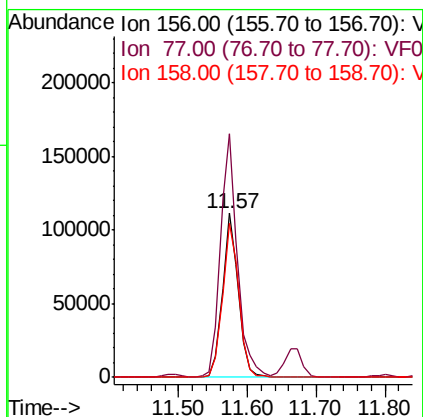
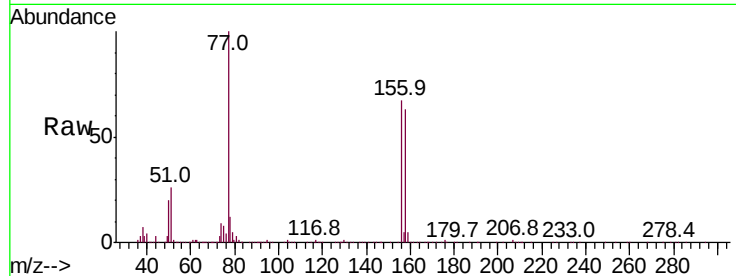
ClientSampleId :

VF0523SBS01

Tot Ion:	156	Resp:	176144
Ion Ratio	Lower	Upper	
156	100		
77	148.7	73.6	220.8
158	94.2	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.628 ug/l

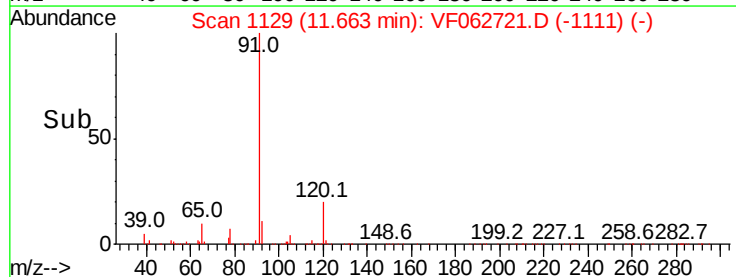
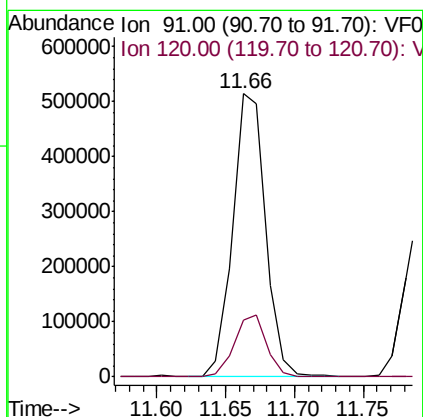
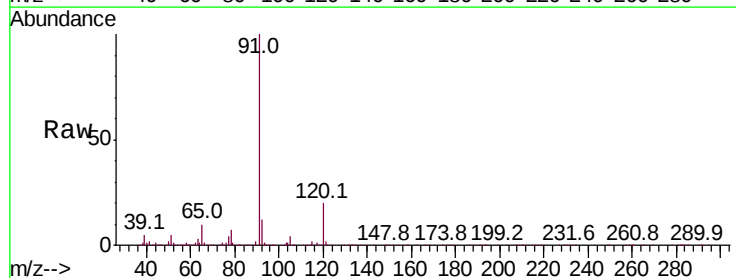
RT: 11.66 min Scan# 1129

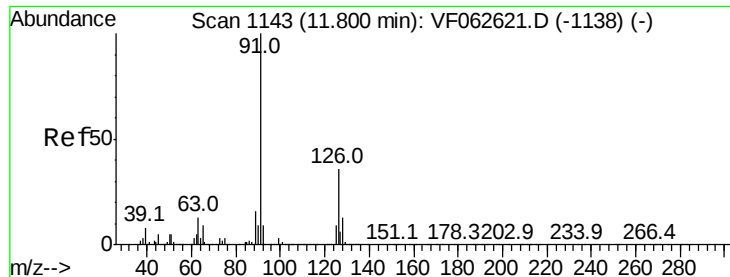
Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	91	Resp:	852194
Ion Ratio	Lower	Upper	
91	100		
120	20.3	12.7	38.1





#79

2-Chlorotoluene

Concen: 21.662 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 91 Resp: 481013

Ion Ratio Lower Upper

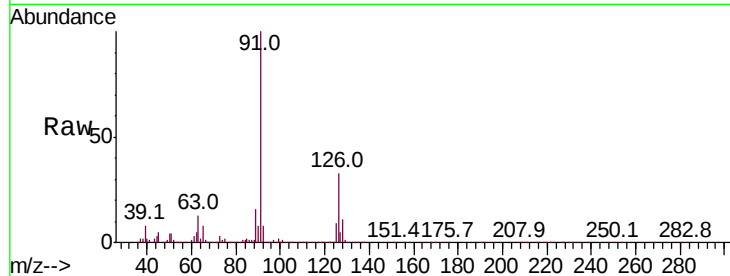
91 100

126 32.7 18.1 54.4

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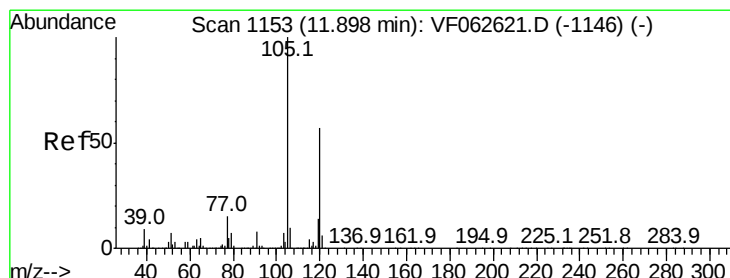
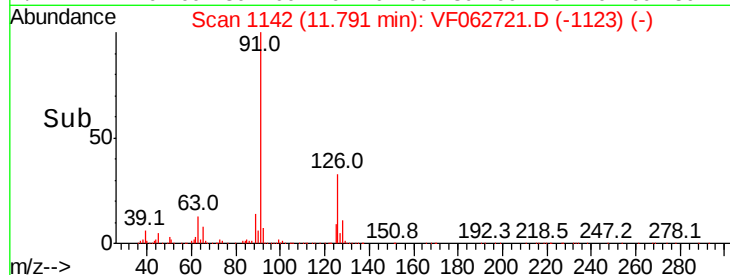
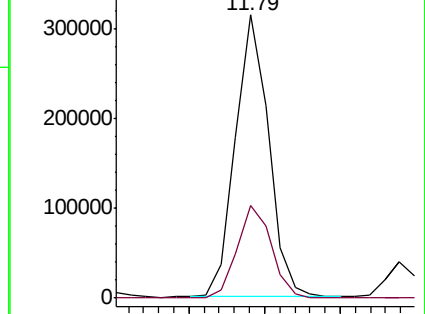
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.107 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062721.D

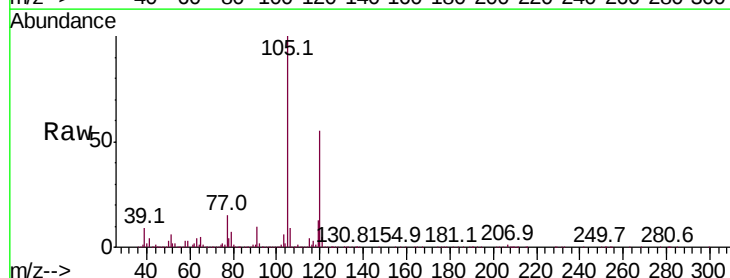
Acq: 23 May 2019 12:38

Tgt Ion: 105 Resp: 590182

Ion Ratio Lower Upper

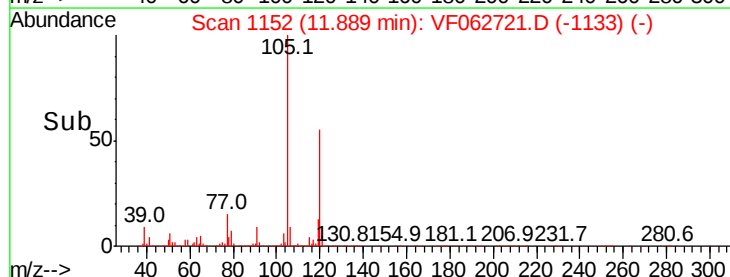
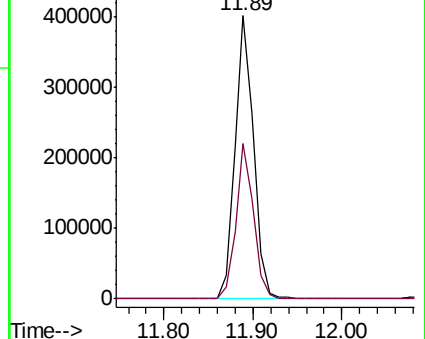
105 100

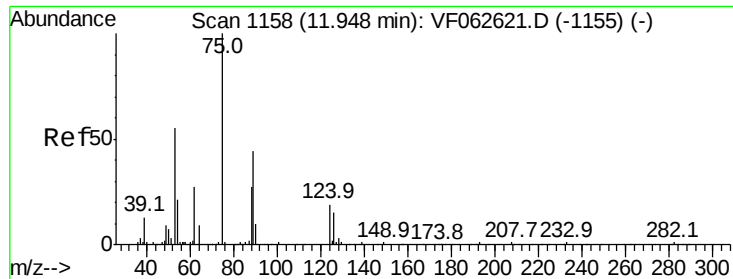
120 55.1 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.809 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

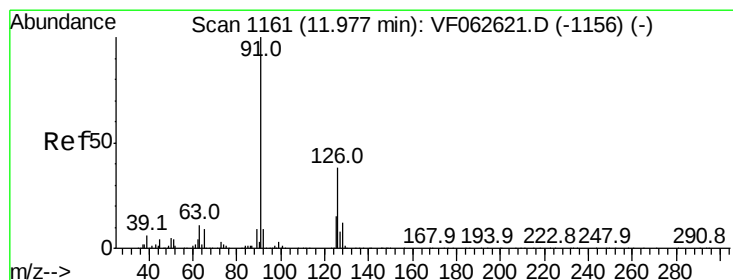
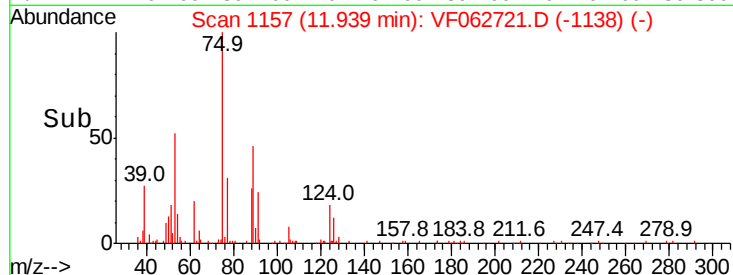
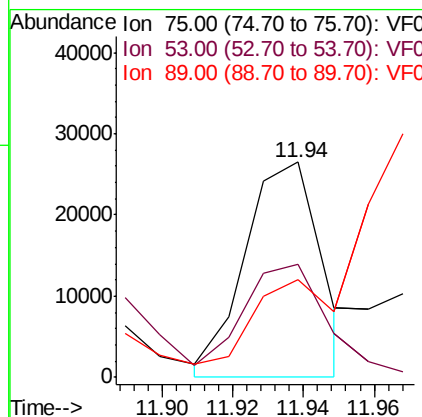
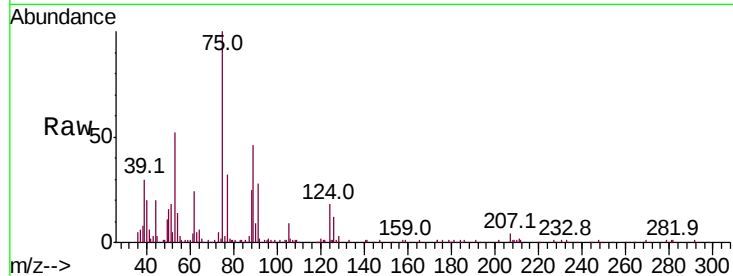
ClientSampleId :

VF0523SBS01

Tot Ion:	75	Resp:	39366
Ion Ratio	Lower	Upper	
75	100		
53	52.3	46.9	70.3
89	45.5	36.4	54.6

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#82

4-Chlorotoluene

Concen: 21.295 ug/l

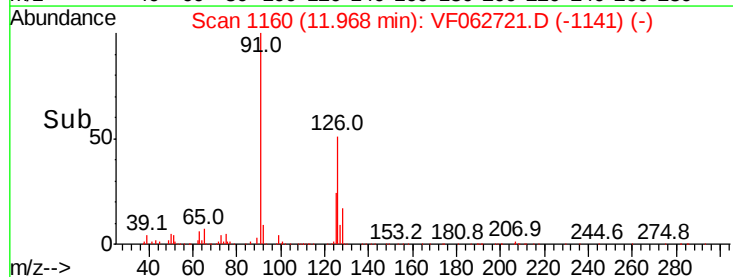
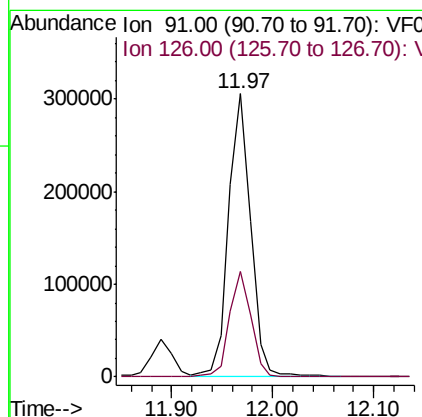
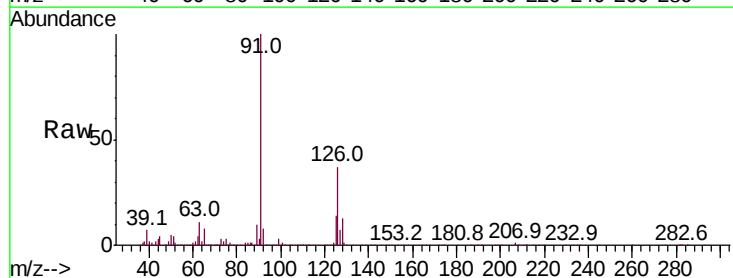
RT: 11.97 min Scan# 1160

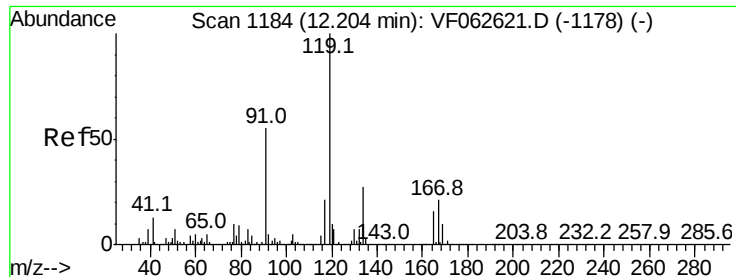
Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	91	Resp:	466305
Ion Ratio	Lower	Upper	
91	100		
126	37.0	19.1	57.1





#83

tert-Butylbenzene

Concen: 22.389 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

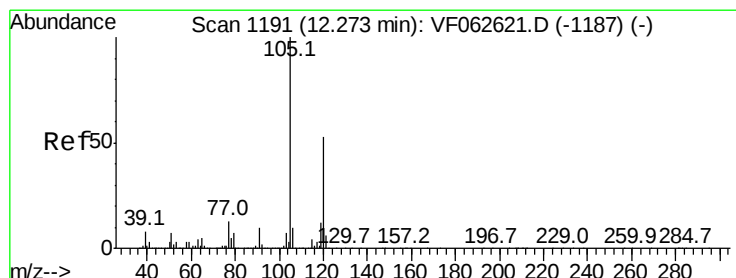
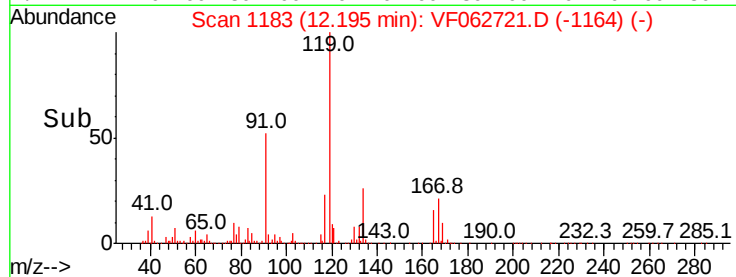
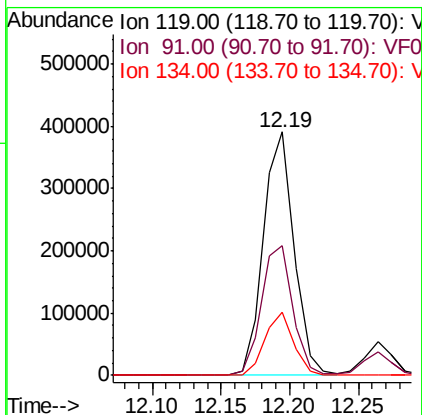
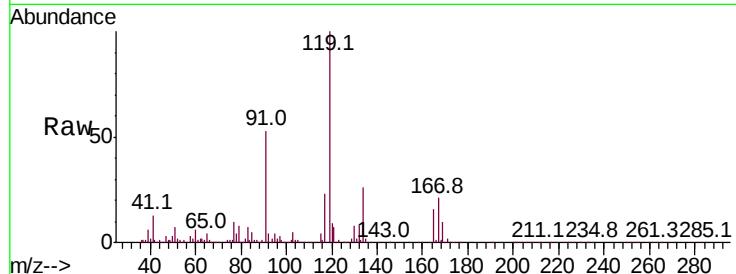
ClientSampleId :

VF0523SBS01

Tot Ion:	119	Resp:	606408
Ion Ratio	Lower	Upper	
119	100		
91	53.1	27.3	81.9
134	26.0	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 22.108 ug/l

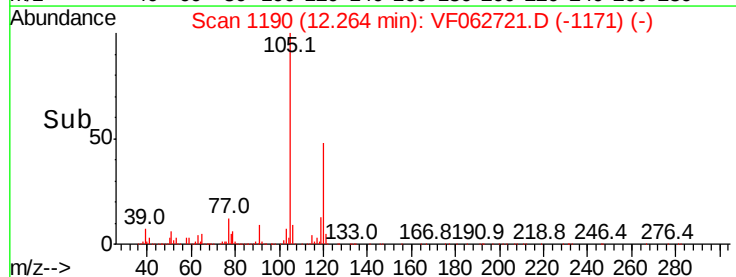
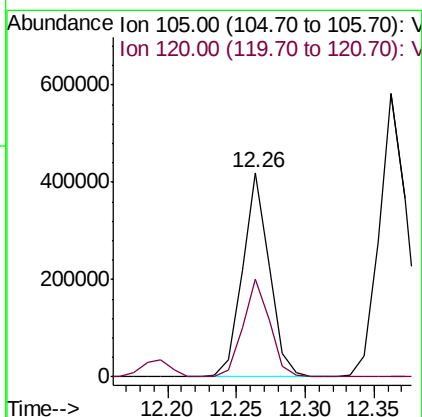
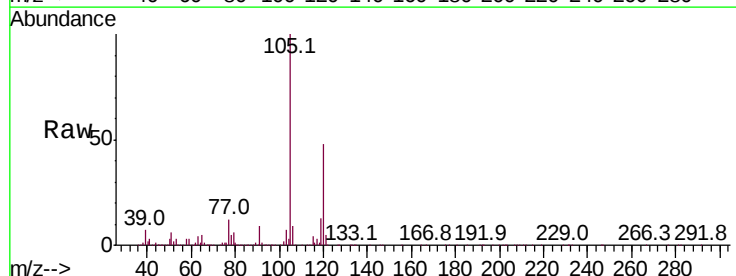
RT: 12.26 min Scan# 1190

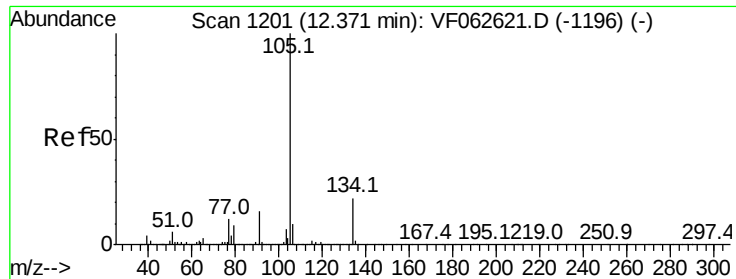
Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	105	Resp:	571253
Ion Ratio	Lower	Upper	
105	100		
120	47.9	26.7	80.1





#85

sec-Butylbenzene

Concen: 22.430 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion:105 Resp: 815313

Ion Ratio Lower Upper

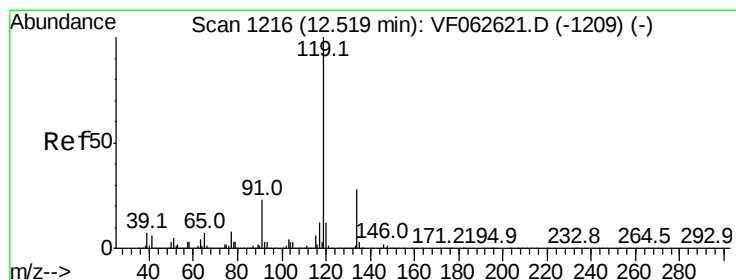
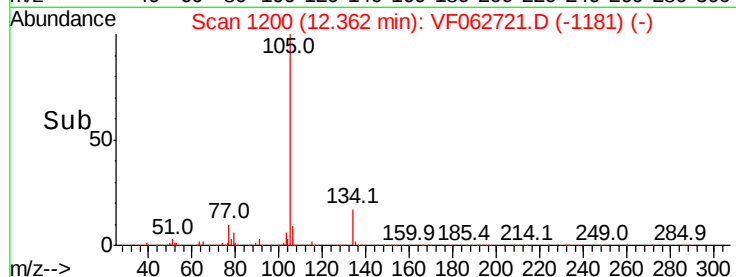
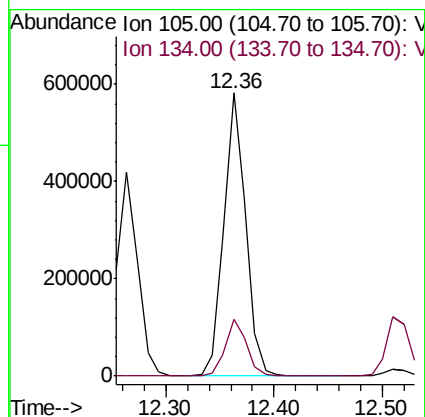
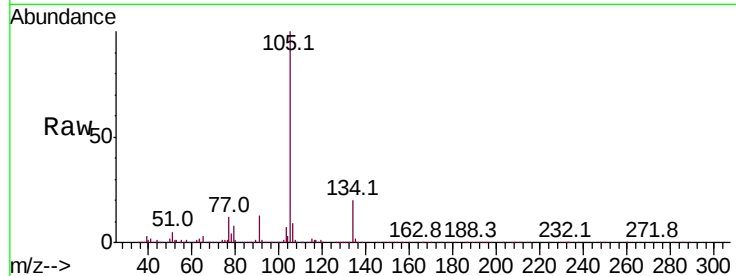
105 100

134 20.0 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 22.412 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

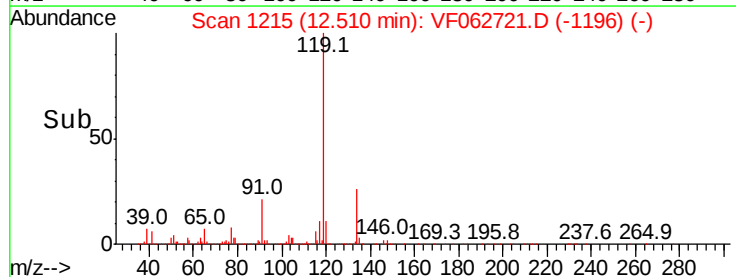
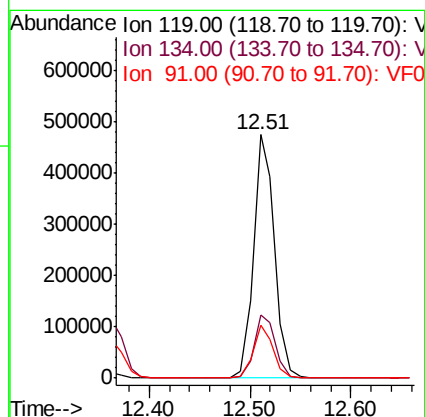
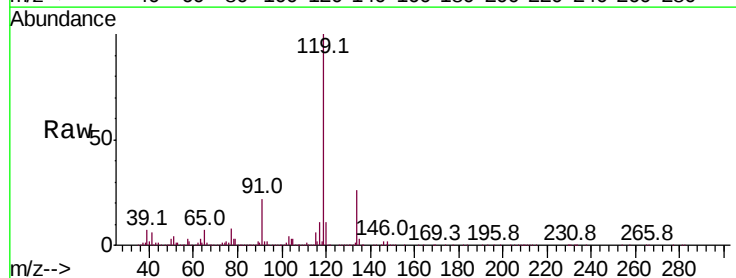
Tgt Ion:119 Resp: 686528

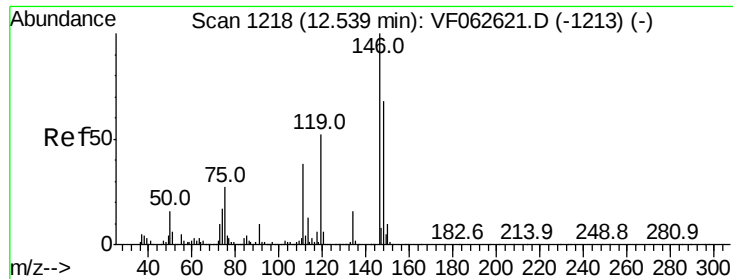
Ion Ratio Lower Upper

119 100

134 25.8 14.1 42.3

91 21.5 11.4 34.2





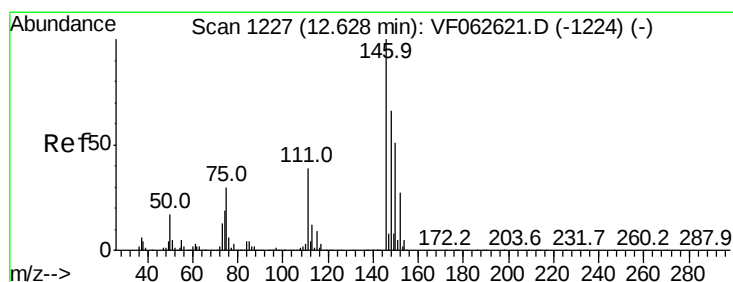
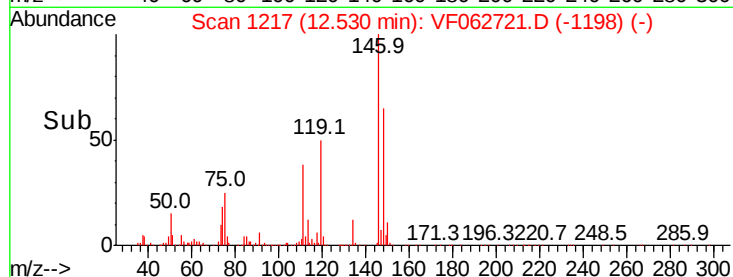
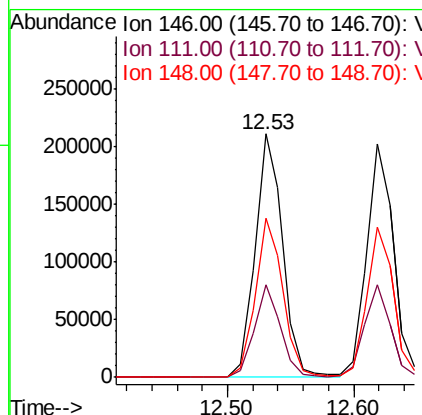
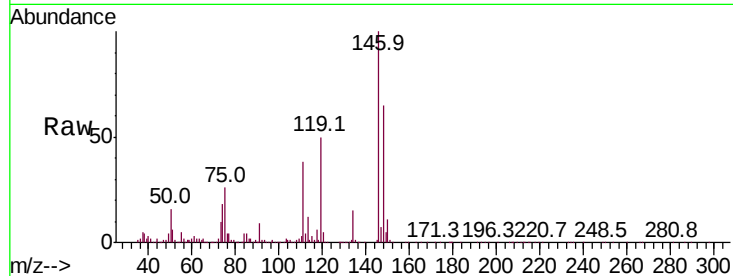
#87
 1,3-Dichlorobenzene
 Concen: 21.433 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	65.3	34.0	101.8

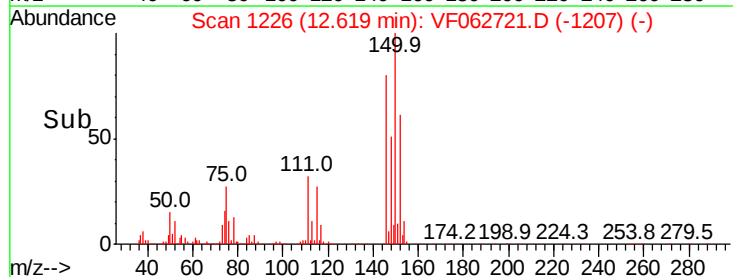
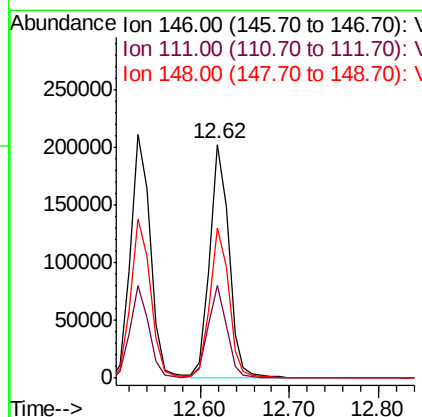
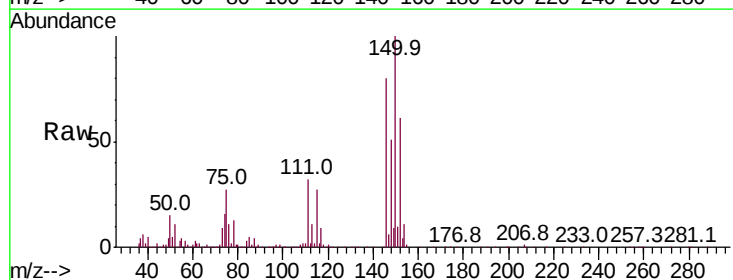
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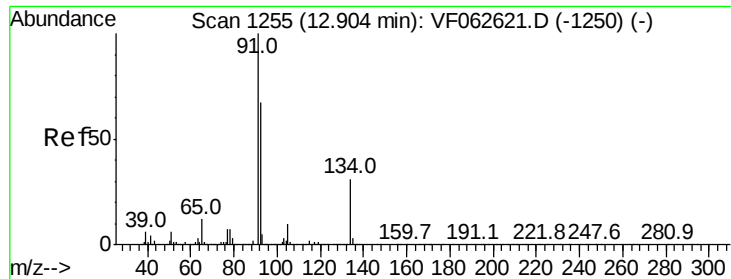
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#88
 1,4-Dichlorobenzene
 Concen: 21.557 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.2
148	64.1	33.2	99.6





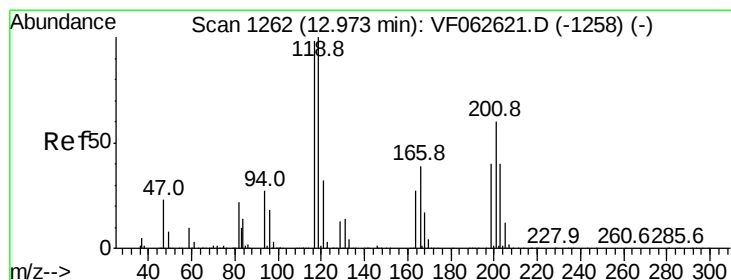
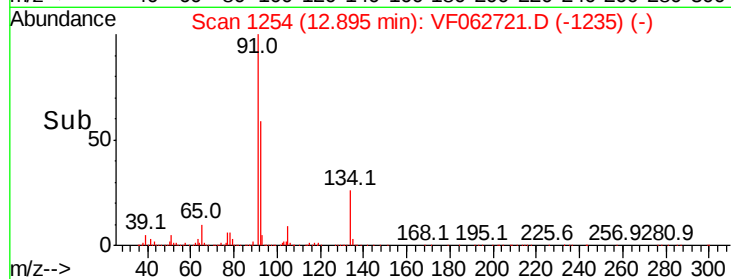
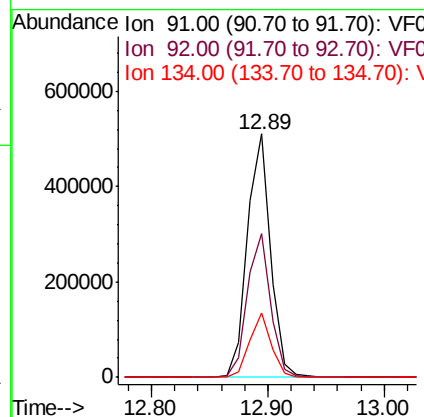
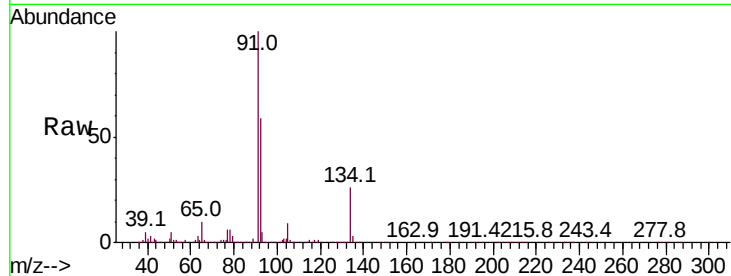
#89
n-Butylbenzene
Concen: 23.282 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	703181		
92	59.1	33.3	99.8	
134	26.3	15.4	46.4	

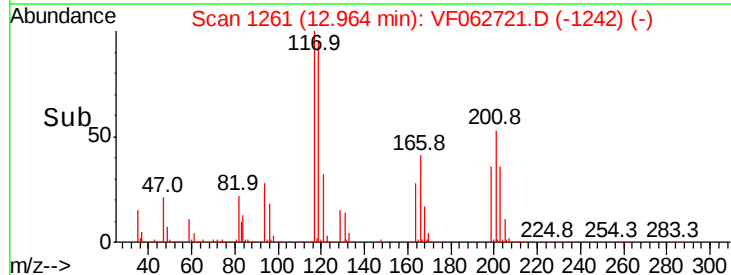
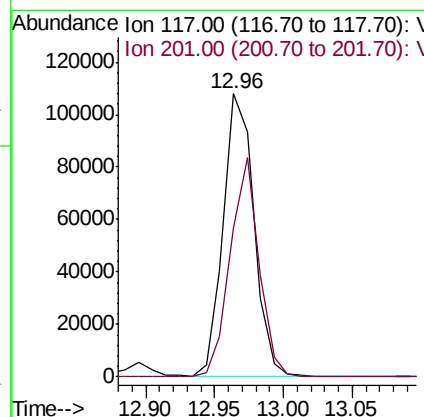
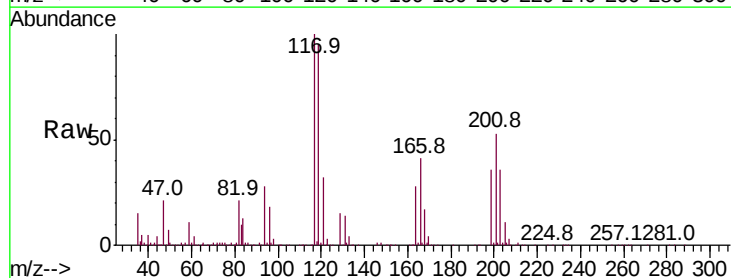
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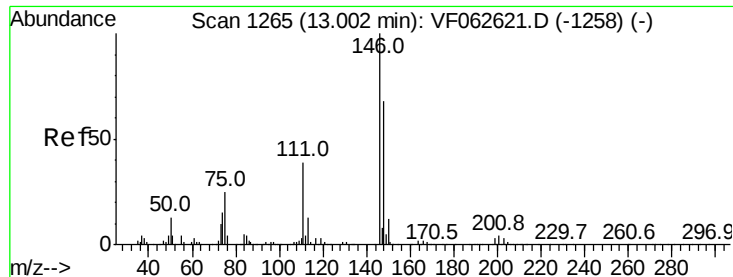
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#90
Hexachloroethane
Concen: 22.759 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	167244		
201	54.3	30.7	92.1	





#91

1,2-Dichlorobenzene

Concen: 21.983 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

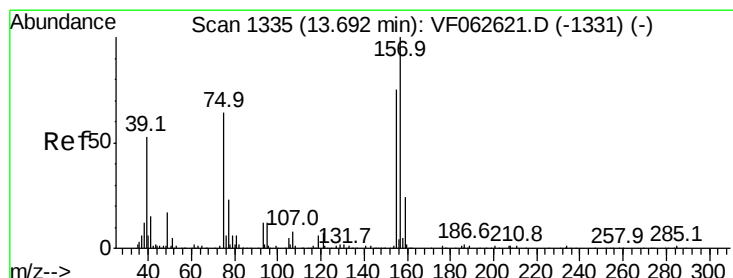
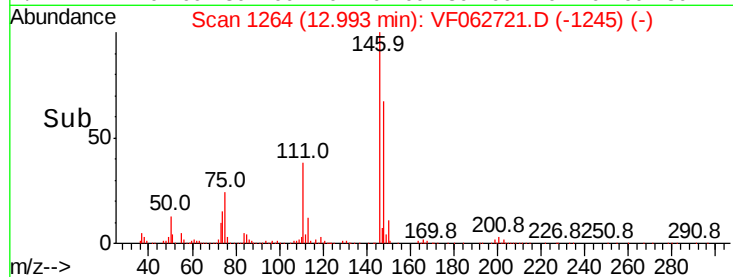
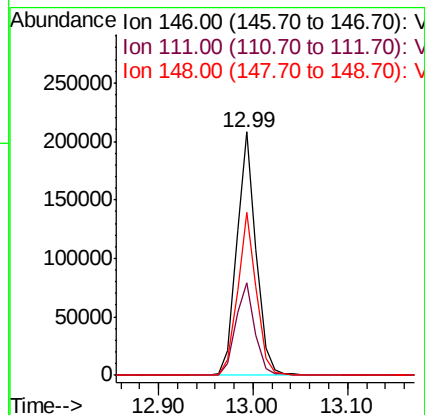
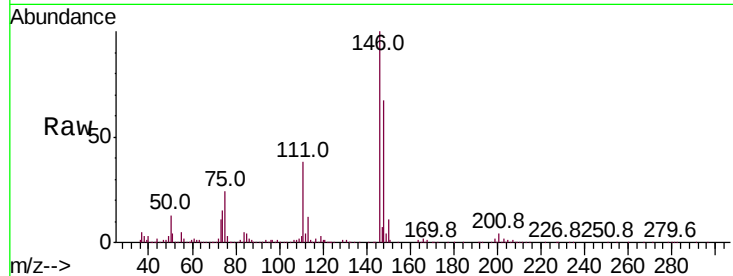
ClientSampleId :

VF0523SBS01

Tot Ion:	146	Resp:	293400
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.8	59.3
148	66.9	34.1	102.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.205 ug/l

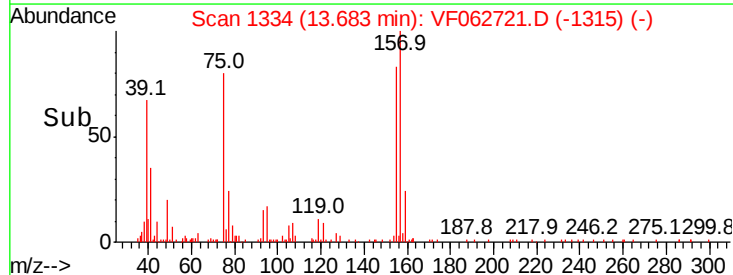
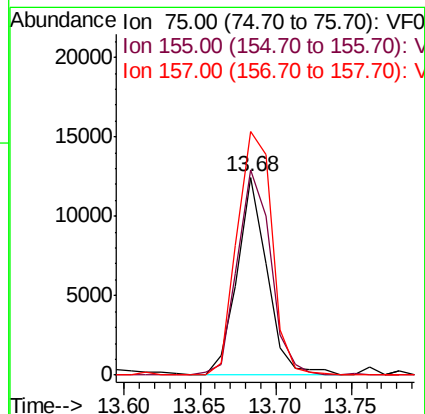
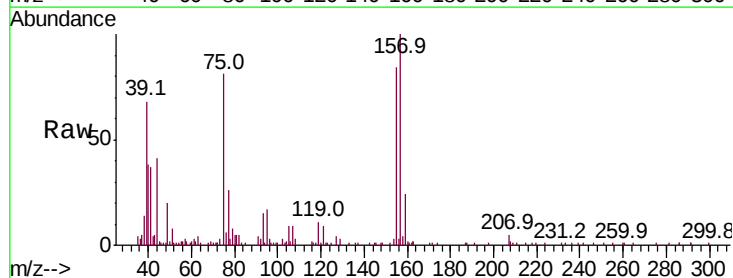
RT: 13.68 min Scan# 1334

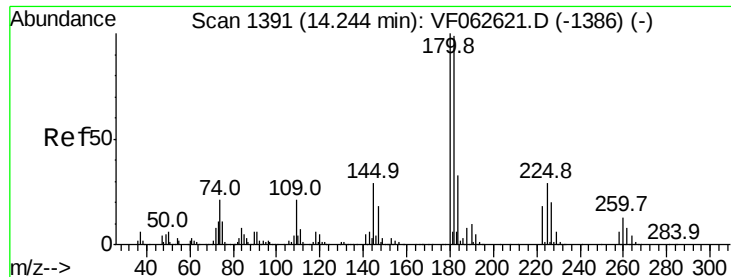
Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	75	Resp:	17212
Ion Ratio	Lower	Upper	
75	100		
155	103.7	58.1	174.3
157	123.1	77.8	233.4





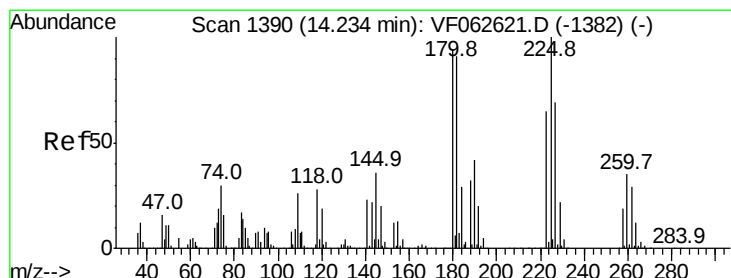
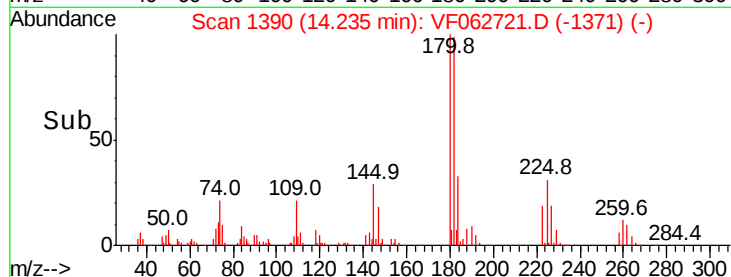
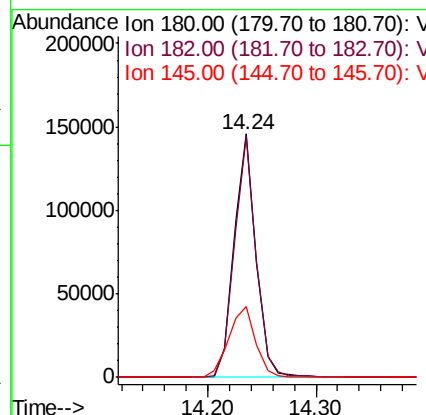
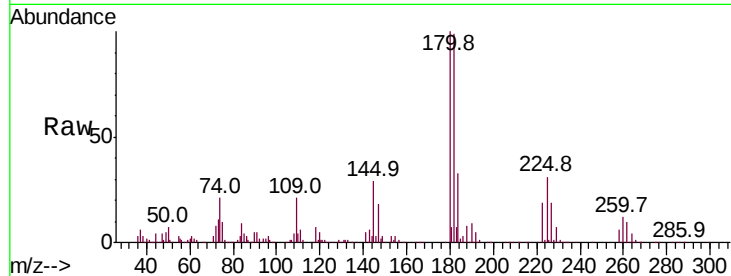
#93
1,2,4-Trichlorobenzene
Concen: 21.460 ug/l
RT: 14.24 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205016		
182	99.0	49.7	149.1	
145	28.9	14.6	44.0	

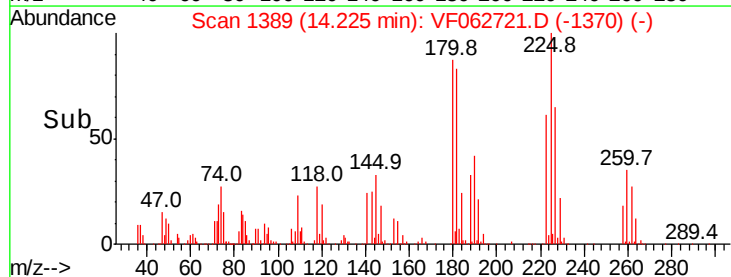
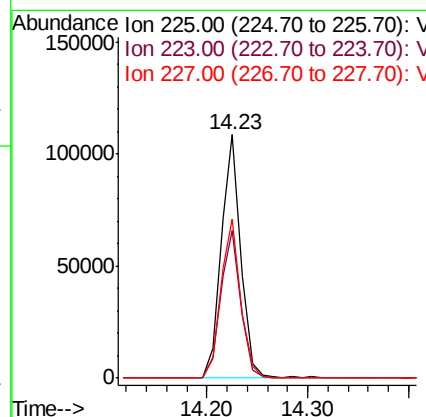
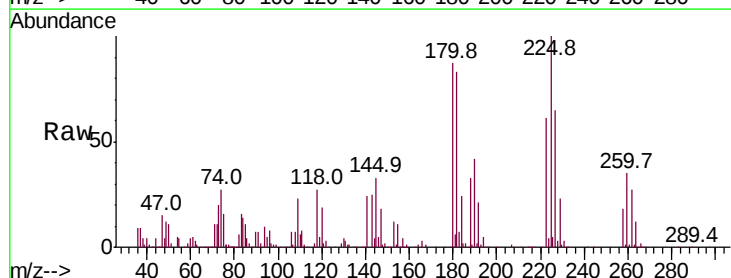
Manual Integrations
APPROVED

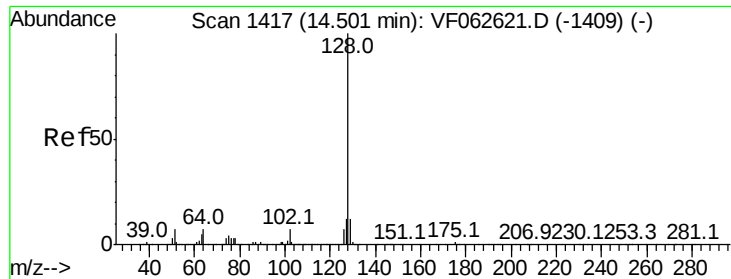
MMDadoda
5/24/2019 11:15:54 AM



#94
Hexachlorobutadiene
Concen: 22.202 ug/l
RT: 14.23 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	148022		
223	60.6	32.5	97.4	
227	65.4	34.5	103.5	





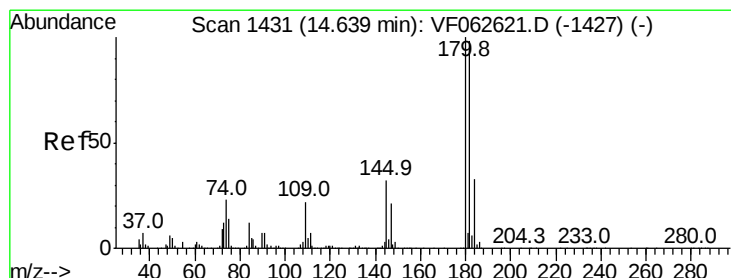
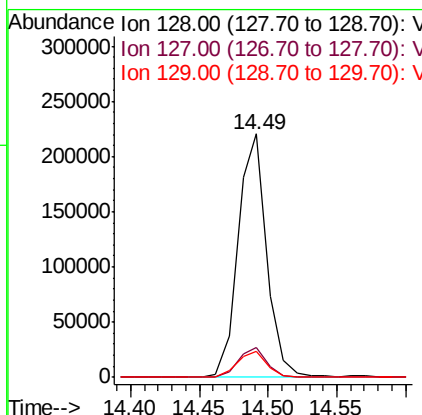
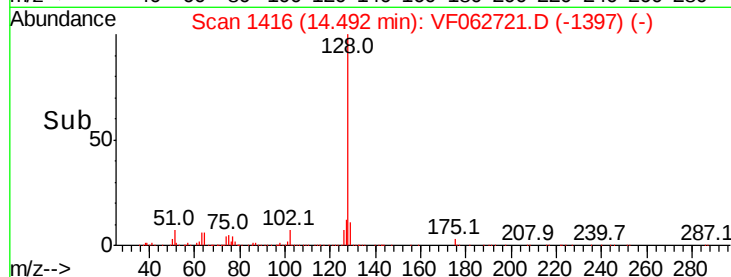
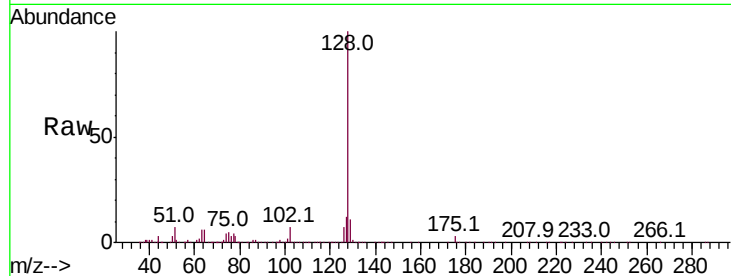
#95
Naphthalene
Concen: 18.387 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	319127		
127	12.4	9.7	14.5	
129	10.7	9.3	13.9	

Manual Integrations
APPROVED

MMDadoda
5/24/2019 11:15:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.414 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	193775		
182	92.0	48.9	146.7	
145	29.6	16.1	48.2	

