

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062722.D
 Acq On : 23 May 2019 13:05
 Operator : FY/SY
 Sample : VF0523SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 11:15:58 AM

Quant Time: May 24 02:27:30 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	5.06	168	776413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1287892	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	985815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	493526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	242988	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	
35) Dibromofluoromethane	4.31	113	479270	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	7.71	98	1070544	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
62) 4-Bromofluorobenzene	11.50	95	384053	43.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	203930	19.301	ug/l	94
3) Chloromethane	1.14	50	205778	21.151	ug/l	99
4) Vinyl Chloride	1.19	62	176956	19.760	ug/l	96
5) Bromomethane	1.37	94	95606	19.515	ug/l	94
6) Chloroethane	1.43	64	63001	19.155	ug/l #	83
7) Trichlorofluoromethane	1.55	101	275007	22.871	ug/l	100
8) Diethyl Ether	1.72	74	45782	19.219	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	167780	21.913	ug/l	93
10) Methyl Iodide	1.97	142	346280	23.023	ug/l	98
11) Tert butyl alcohol	2.70	59	32724	90.342	ug/l	97
12) 1,1-Dichloroethene	1.87	96	138078	19.797	ug/l	90
13) Acrolein	2.10	56	32564	86.123	ug/l	100
14) Allyl chloride	2.20	41	164577	26.072	ug/l	98
15) Acrylonitrile	3.09	53	109714	107.376	ug/l	89
16) Acetone	2.35	43	125952	88.488	ug/l	96
17) Carbon Disulfide	1.91	76	444777	21.515	ug/l #	93
18) Methyl Acetate	2.47	43	53569	23.950	ug/l #	89
19) Methyl tert-butyl Ether	2.55	73	263198	21.109	ug/l	97
20) Methylene Chloride	2.29	84	157208	22.035	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	149045	21.863	ug/l	91
22) Diisopropyl ether	2.94	45	341584	21.940	ug/l	98
23) Vinyl Acetate	3.34	43	1101767	104.905	ug/l	99
24) 1,1-Dichloroethane	3.02	63	261920	22.932	ug/l	98
25) 2-Butanone	4.53	43	294439	96.822	ug/l	97
26) 2,2-Dichloropropane	3.78	77	180696	27.651	ug/l	87
27) cis-1,2-Dichloroethene	3.65	96	237880	21.213	ug/l	98
28) Bromochloromethane	3.91	49	133573	20.852	ug/l	93
29) Tetrahydrofuran	4.27	42	123345	100.231	ug/l	96
30) Chloroform	4.05	83	358548	22.610	ug/l	97
31) Cyclohexane	3.89	56	332413	21.676	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	249727	23.713	ug/l	97
36) 1,1-Dichloropropene	4.48	75	272844	20.675	ug/l	98
37) Ethyl Acetate	4.30	43	104742	19.439	ug/l #	87
38) Carbon Tetrachloride	4.19	117	227181	22.890	ug/l #	94

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 Acq On : 23 May 2019 13:05
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 Sample : VF0523SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0523SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 11:15:58 AM

Quant Time: May 24 02:27:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	360768	22.720	ug/l	96
40) Benzene	4.83	78	786457	21.875	ug/l	98
41) Methacrylonitrile	4.93	41	55882	19.782	ug/l	96
42) 1,2-Dichloroethane	5.13	62	155484	21.687	ug/l	97
43) Isopropyl Acetate	7.12	43	130180	18.648	ug/l #	96
44) Trichloroethene	5.69	130	232541	23.014	ug/l	85
45) 1,2-Dichloropropane	6.41	63	191979	21.153	ug/l	95
46) Dibromomethane	6.26	93	110298	21.029	ug/l	98
47) Bromodichloromethane	6.56	83	223459	20.522	ug/l	99
48) Methyl methacrylate	6.88	41	64945	17.799	ug/l	94
49) 1,4-Dioxane	6.87	88	16650	356.282	ug/l #	78
51) 4-Methyl-2-Pentanone	8.40	43	493912	103.510	ug/l	99
52) Toluene	7.78	92	419678	22.258	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	191621	21.510	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	263515	21.132	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	126174	22.601	ug/l	94
56) Ethyl methacrylate	8.76	69	135948	20.440	ug/l	99
57) 1,3-Dichloropropane	9.00	76	206142	21.679	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	203415	93.960	ug/l	99
59) 2-Hexanone	9.62	43	347551	101.352	ug/l	100
60) Dibromochloromethane	8.85	129	166045	22.821	ug/l	97
61) 1,2-Dibromoethane	9.13	107	135742	22.892	ug/l	96
64) Tetrachloroethene	8.30	164	169262	21.673	ug/l	95
65) Chlorobenzene	9.93	112	425818	21.992	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	179531	23.097	ug/l	99
67) Ethyl Benzene	10.03	91	762035	22.655	ug/l	95
68) m/p-Xylenes	10.25	106	593446	46.942	ug/l	91
69) o-Xylene	10.82	106	297391	22.838	ug/l	96
70) Styrene	10.89	104	415491	20.993	ug/l	95
71) Bromoform	10.88	173	84003	21.578	ug/l #	99
73) Isopropylbenzene	11.21	105	789121	22.309	ug/l	98
74) N-amyl acetate	11.45	43	202626	19.189	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	163272	22.587	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	103901	21.875	ug/l	100
77) Bromobenzene	11.58	156	184749	21.013	ug/l	94
78) n-propylbenzene	11.67	91	959876	22.930	ug/l	95
79) 2-Chlorotoluene	11.79	91	536449	22.739	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	665055	23.448	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.94	75	48937m	23.179	ug/l	
82) 4-Chlorotoluene	11.97	91	529466	22.759	ug/l	98
83) tert-Butylbenzene	12.20	119	598348	20.794	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	652059	23.753	ug/l	96
85) sec-Butylbenzene	12.36	105	871377	22.564	ug/l	92
86) p-Isopropyltoluene	12.51	119	746115	22.926	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	360466	22.661	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	339018	22.711	ug/l	99
89) n-Butylbenzene	12.90	91	735366	22.917	ug/l	94
90) Hexachloroethane	12.98	117	181588	23.259	ug/l	71
91) 1,2-Dichlorobenzene	12.99	146	311297	21.954	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	21098	24.465	ug/l	79

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Sample : VF0523SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBSD01

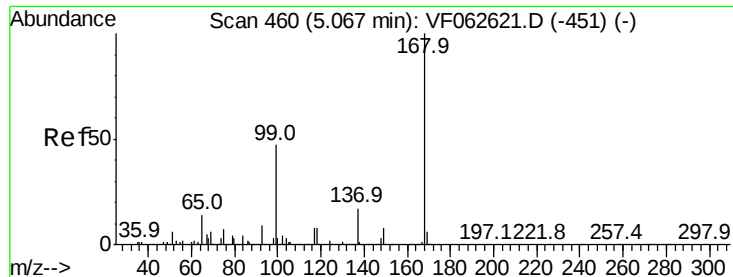
Manual Integrations
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5/24/2019 11:15:58 AM

Quant Time: May 24 02:27:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	206182	20.314	ug/l	98
94) Hexachlorobutadiene	14.23	225	152631	21.548	ug/l	96
95) Naphthalene	14.49	128	338400	18.352	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	193472	20.124	ug/l	99

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



#1

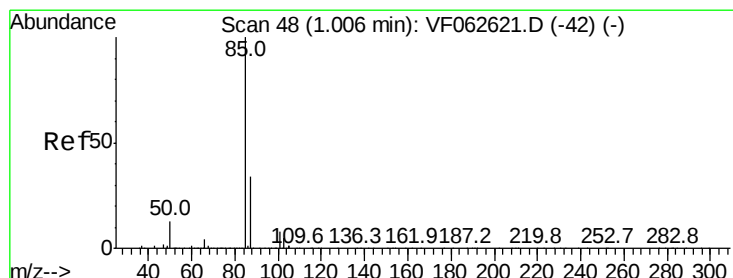
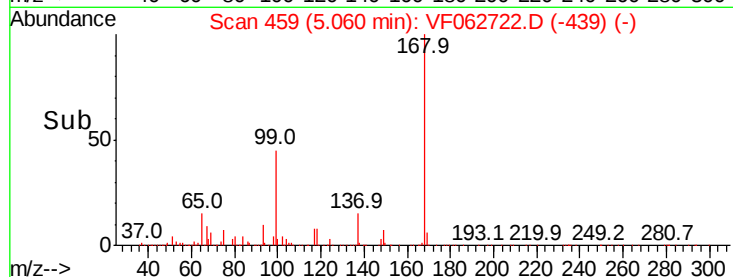
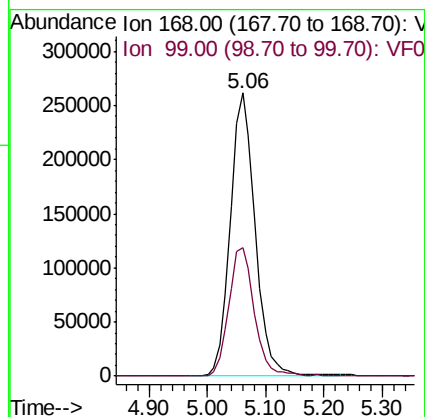
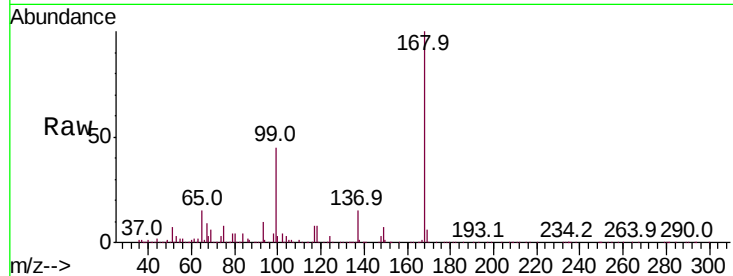
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	45.4	37.8	56.8

Manual Integrations
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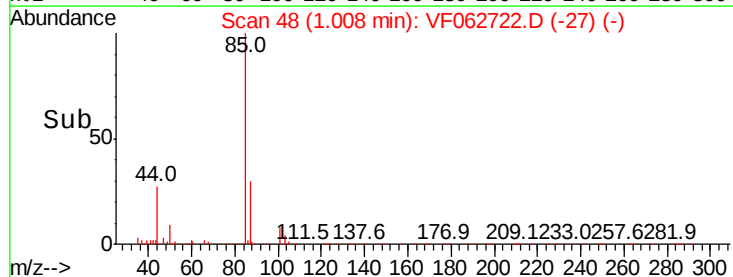
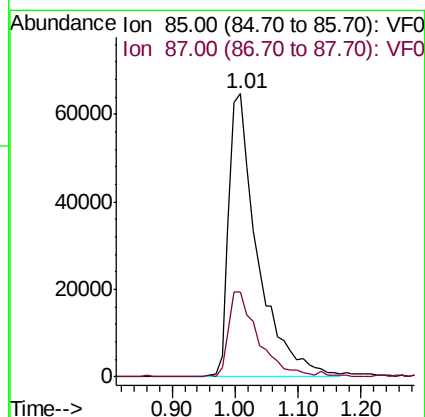
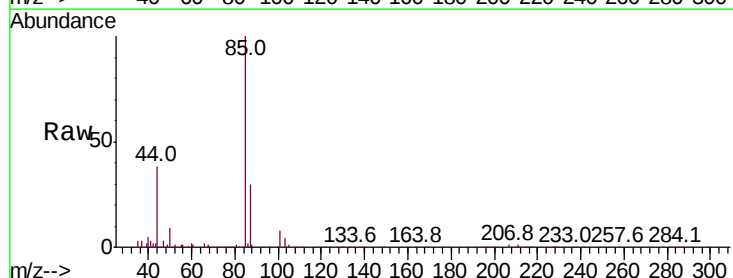
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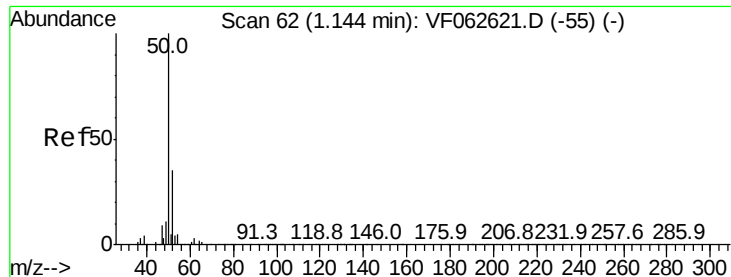


#2

Dichlorodifluoromethane
 Concen: 19.301 ug/l
 RT: 1.01 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.2	16.8	50.3





#3

Chloromethane

Concen: 21.151 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 50 Resp: 205778

Ion Ratio Lower Upper

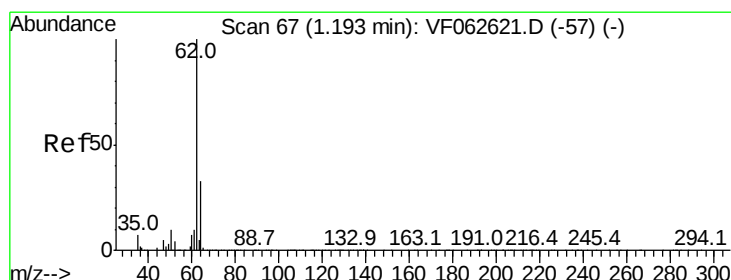
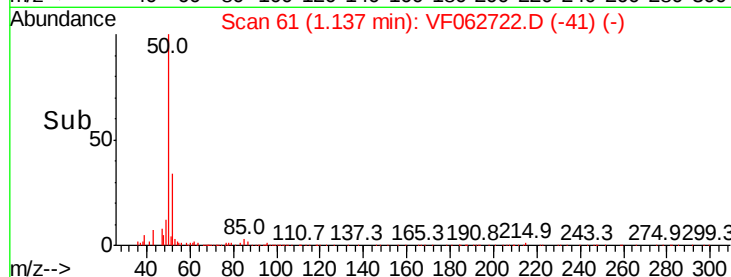
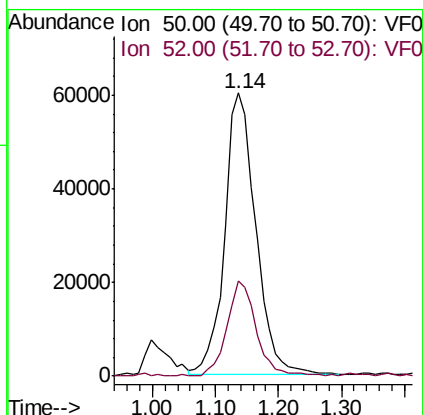
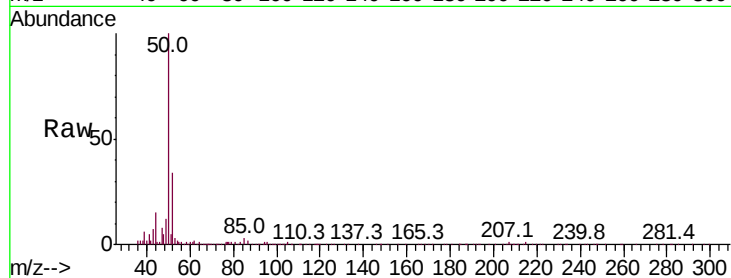
50 100

52 33.8 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.760 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062722.D

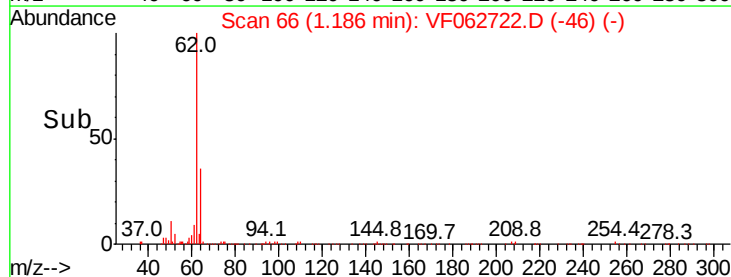
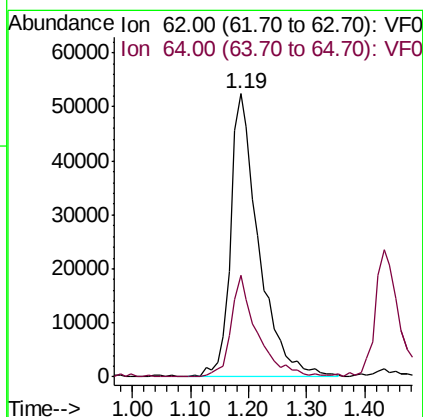
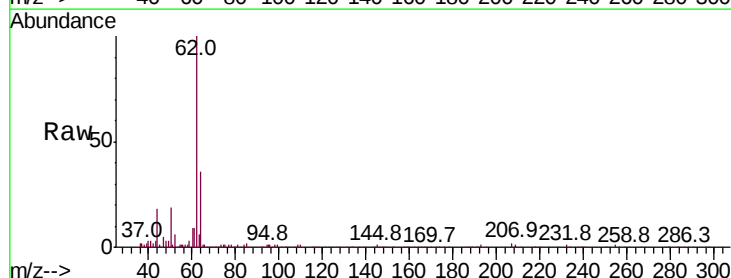
Acq: 23 May 2019 13:05

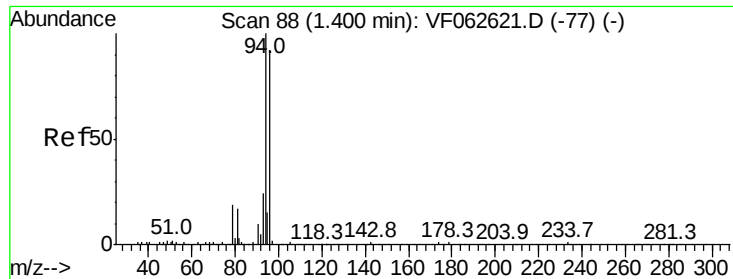
Tgt Ion: 62 Resp: 176956

Ion Ratio Lower Upper

62 100

64 35.7 26.7 40.1





#5

Bromomethane

Concen: 19.515 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBSD01

Tot Ion: 94 Resp: 95606

Ion Ratio Lower Upper

94 100

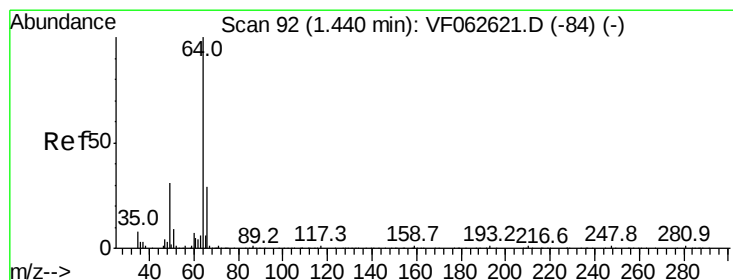
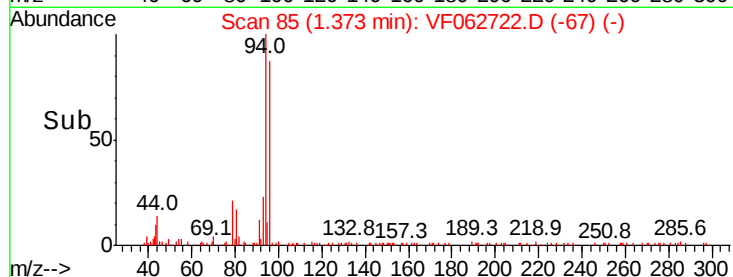
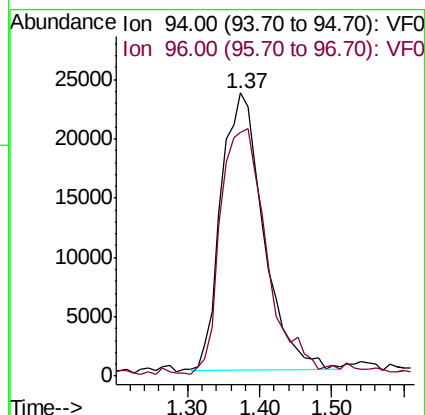
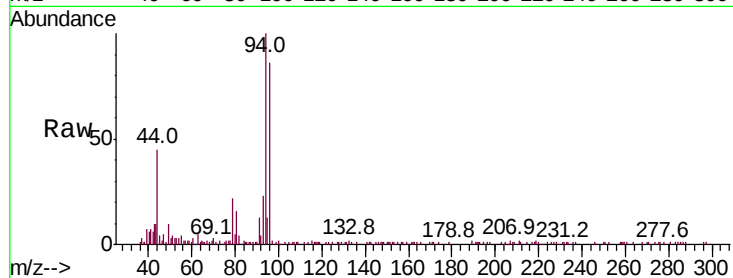
96 86.1 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 19.155 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062722.D

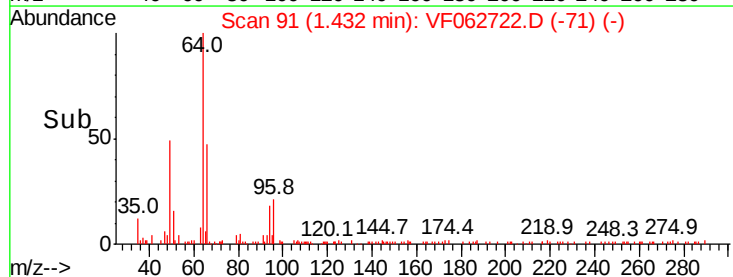
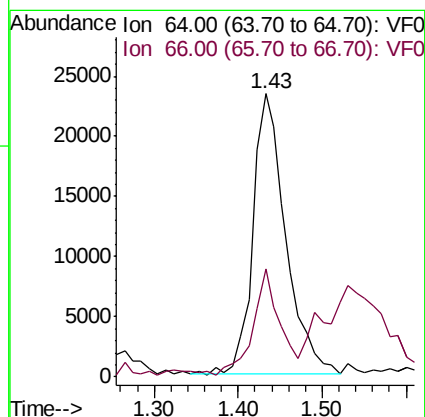
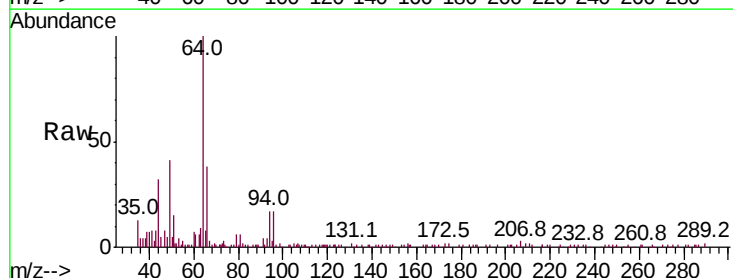
Acq: 23 May 2019 13:05

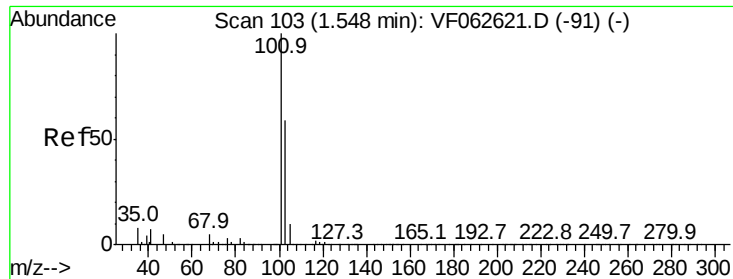
Tgt Ion: 64 Resp: 63001

Ion Ratio Lower Upper

64 100

66 38.2 23.4 35.2#





#7

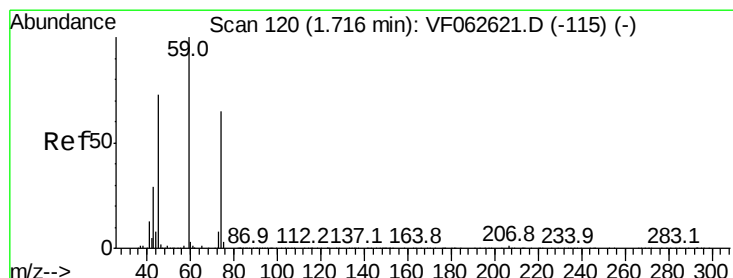
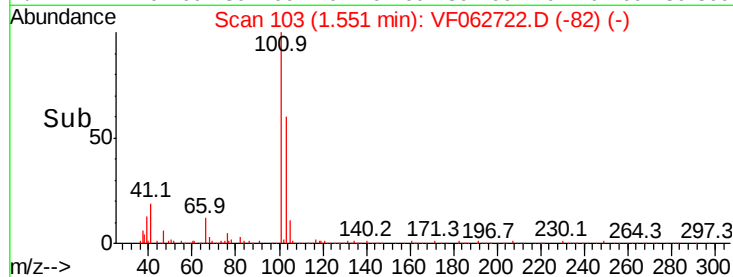
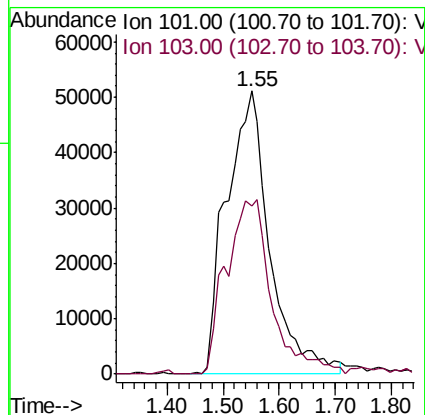
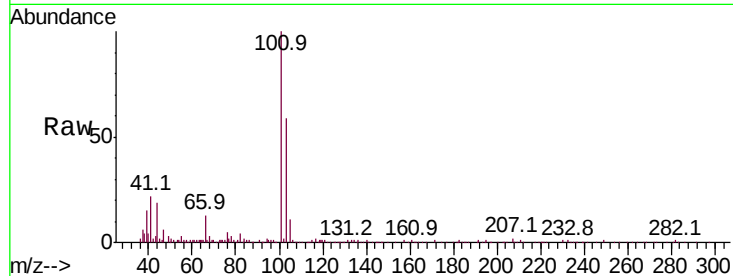
Trichlorofluoromethane
Concen: 22.871 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	47.3	70.9

Manual Integrations
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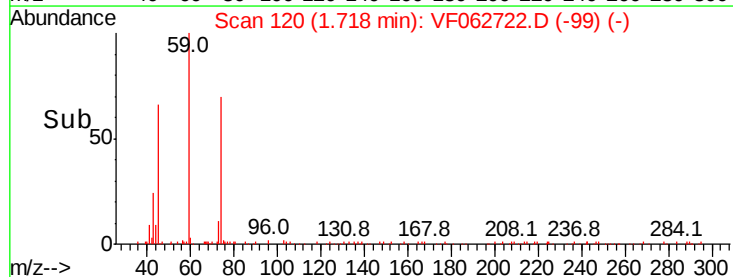
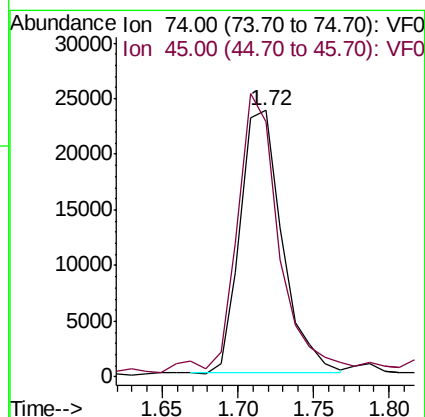
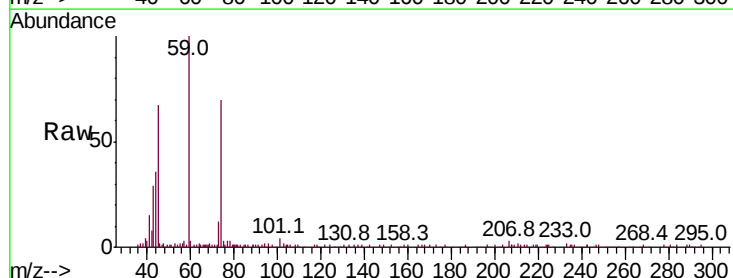
MMDadoda
5/24/2019 11:15:58 AM

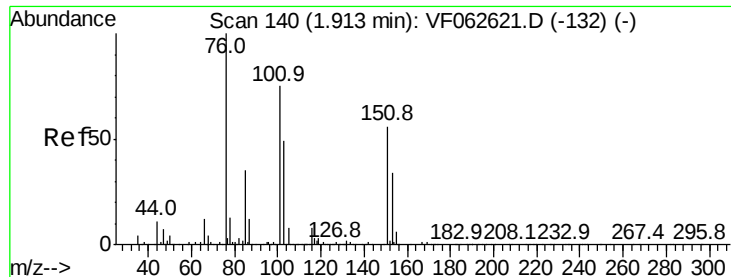


#8

Diethyl Ether
Concen: 19.219 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.913 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

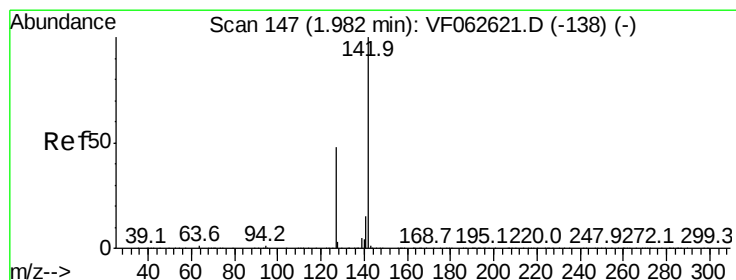
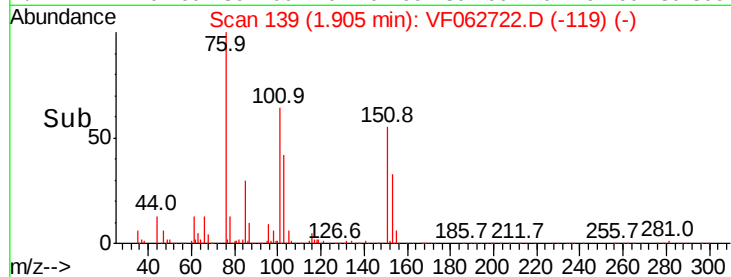
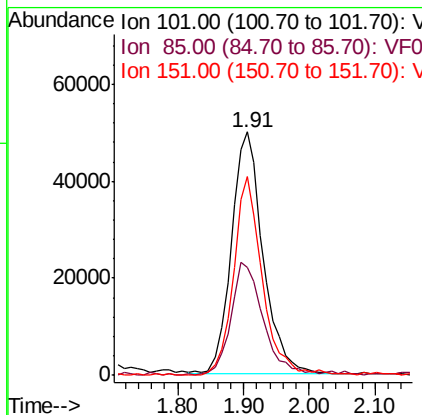
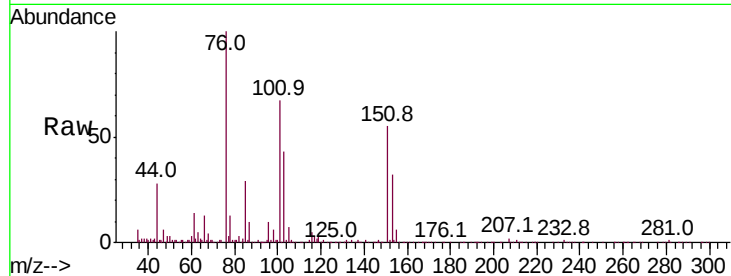
ClientSampleId :

VF0523SBS01

Tot Ion:	101	Resp:	167780
Ion Ratio	Lower	Upper	
101	100		
85	44.2	37.1	55.7
151	81.9	58.8	88.2

Manual Integrations
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#10

Methyl Iodide

Concen: 23.023 ug/l

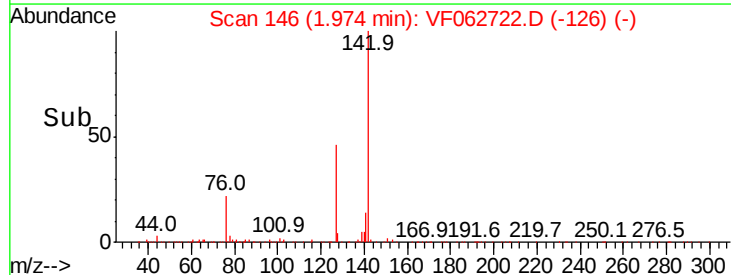
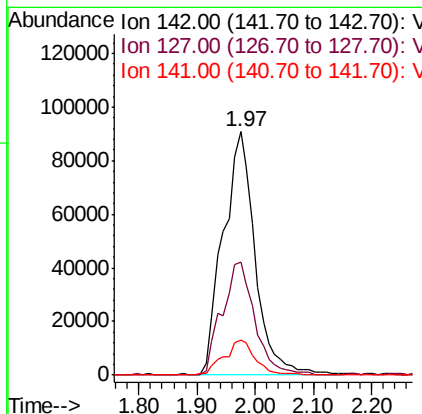
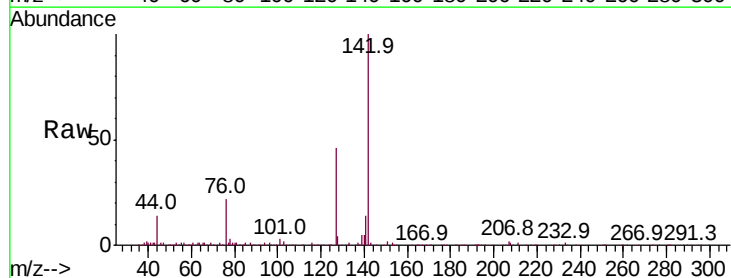
RT: 1.97 min Scan# 146

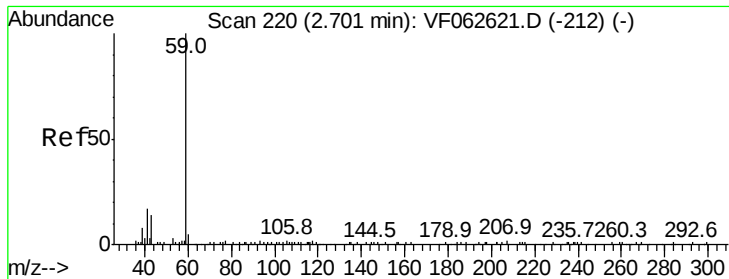
Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion:	142	Resp:	346280
Ion Ratio	Lower	Upper	
142	100		
127	46.5	38.1	57.1
141	14.1	11.7	17.5





#11

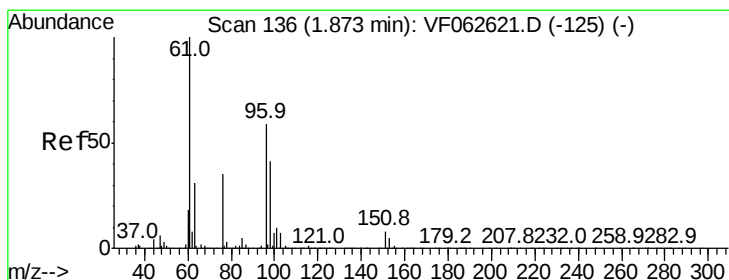
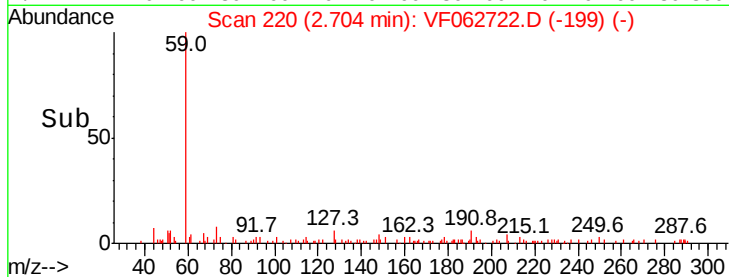
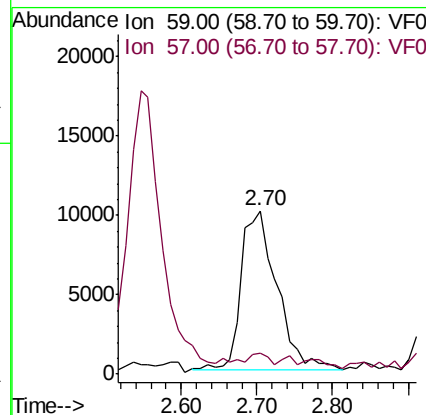
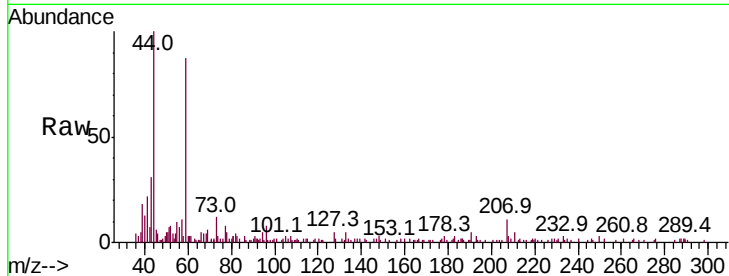
Tert butyl alcohol
Concen: 90.342 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.8	9.3	13.9

Manual Integrations
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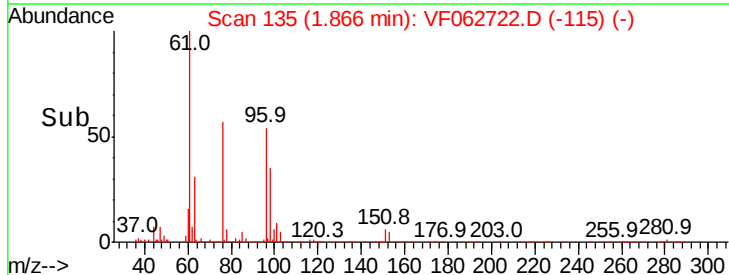
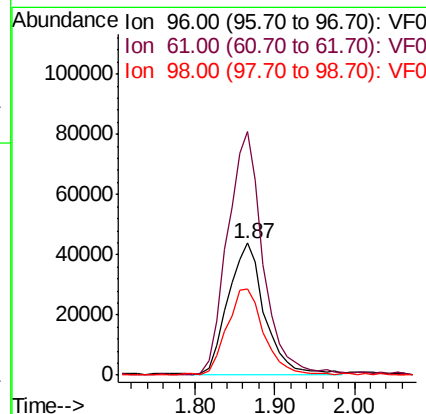
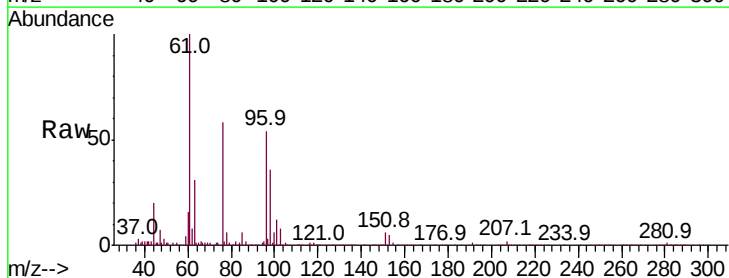
MMDadoda
5/24/2019 11:15:58 AM

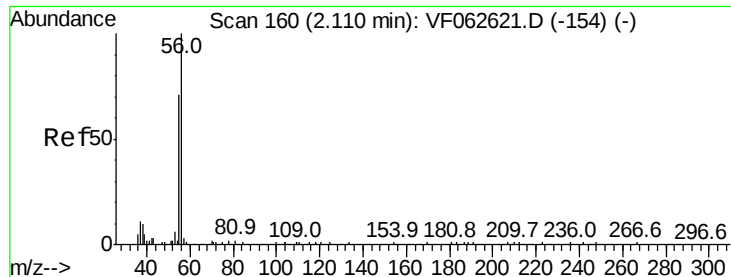


#12

1,1-Dichloroethene
Concen: 19.797 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.7	134.3	201.5
98	65.7	55.0	82.6





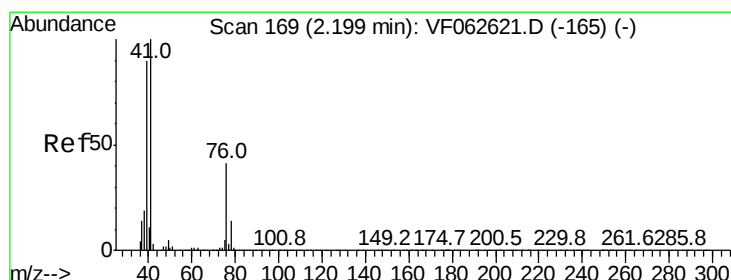
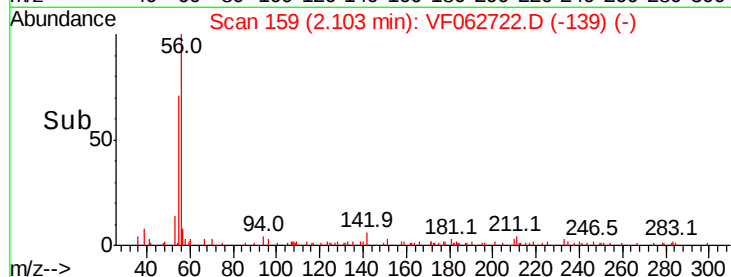
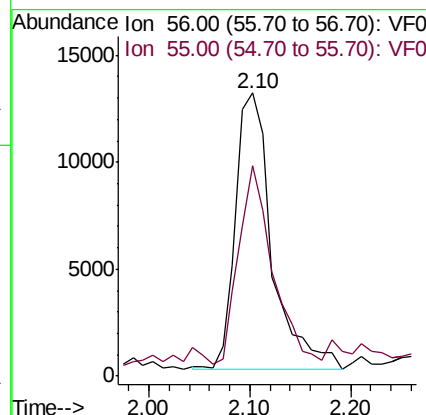
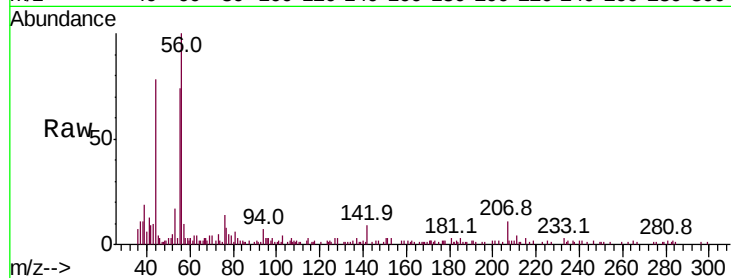
#13
Acrolein
Concen: 86.123 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	56	Resp	32564
Ion Ratio	100	Lower	Upper
55	74.5	59.4	89.0

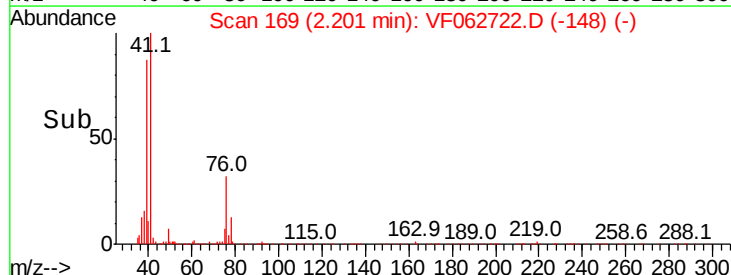
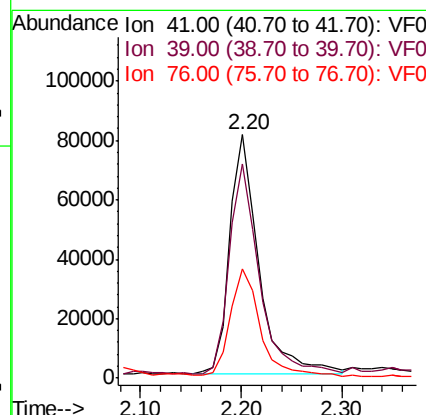
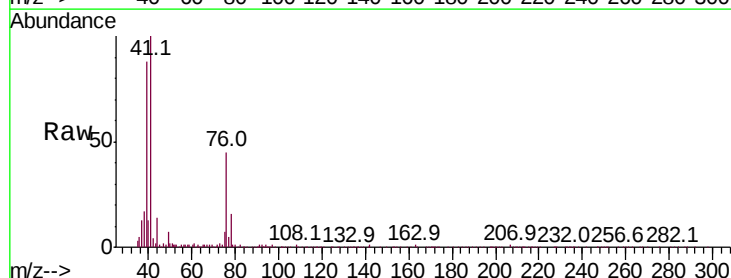
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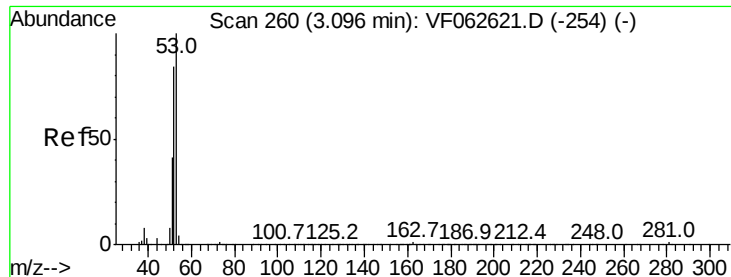
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#14
Allyl chloride
Concen: 26.072 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	41	Resp	164577
Ion Ratio	100	Lower	Upper
39	88.0	72.0	108.0
76	45.1	34.8	52.2





#15

Acrylonitrile

Concen: 107.376 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

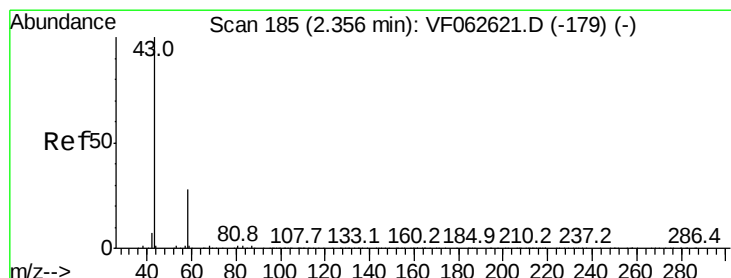
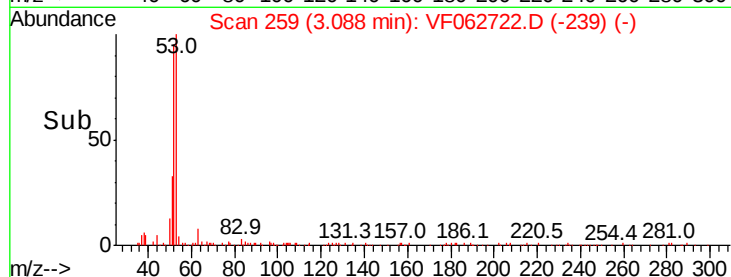
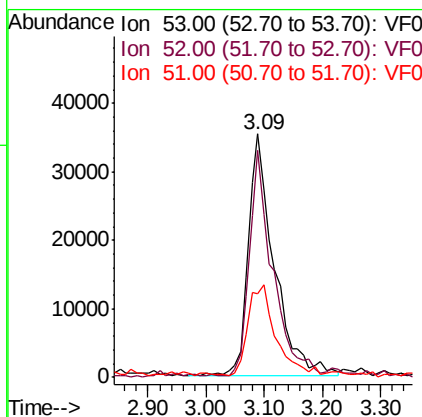
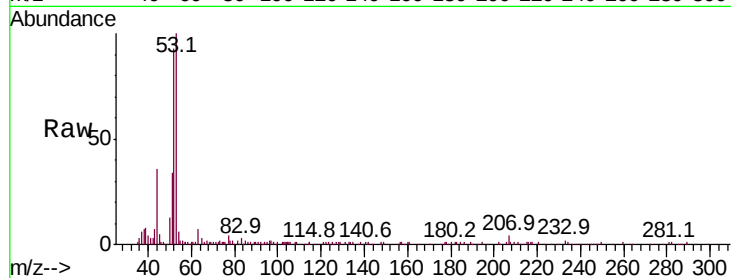
ClientSampleId :

VF0523SBS01

Tot Ion:	53	Resp:	109714
Ion	Ratio	Lower	Upper
53	100		
52	93.5	67.3	100.9
51	34.4	33.0	49.6

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#16

Acetone

Concen: 88.488 ug/l

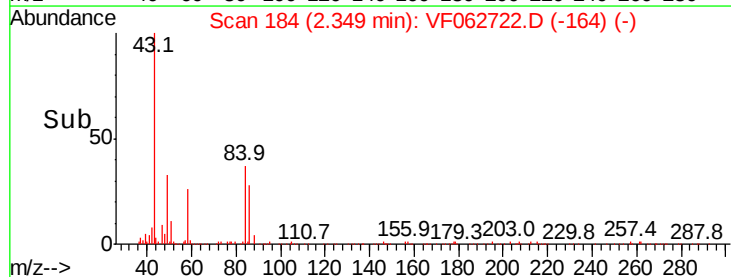
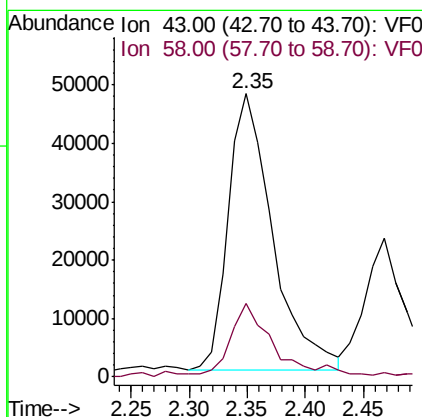
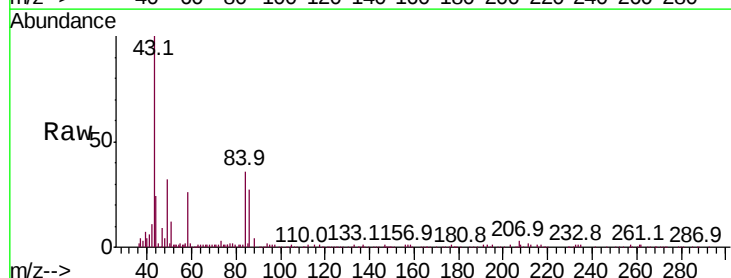
RT: 2.35 min Scan# 184

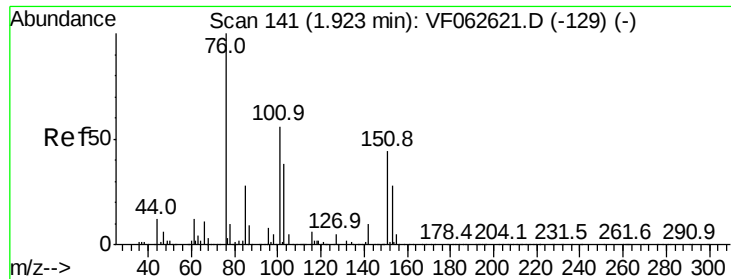
Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion:	43	Resp:	125952
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.6	33.8





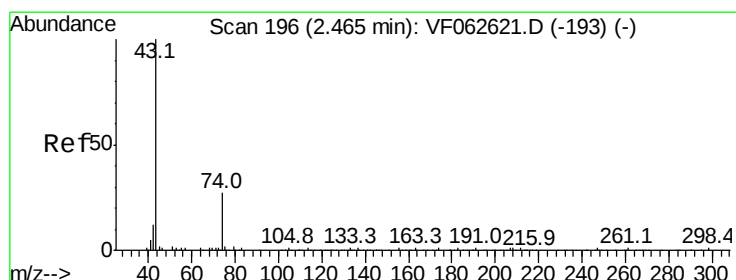
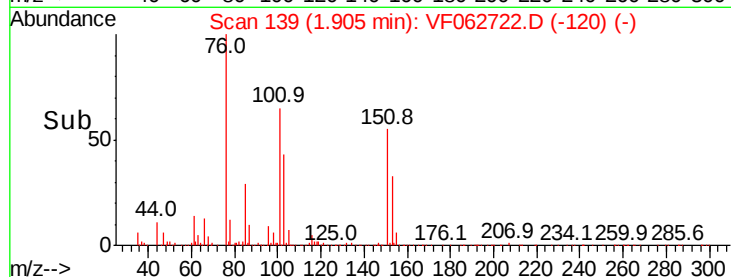
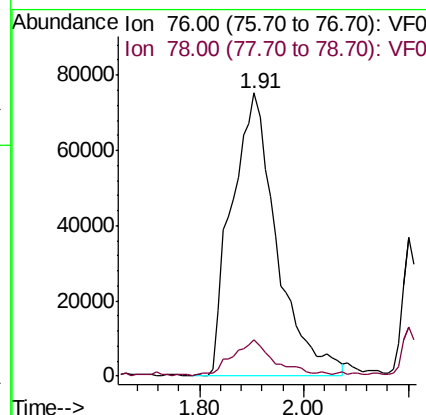
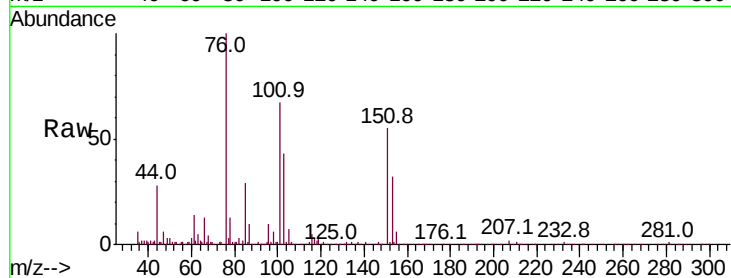
#17
Carbon Disulfide
Concen: 21.515 ug/l
RT: 1.91 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion: 76 Resp: 444777
Ion Ratio Lower Upper
76 100
78 13.0 8.4 12.6#

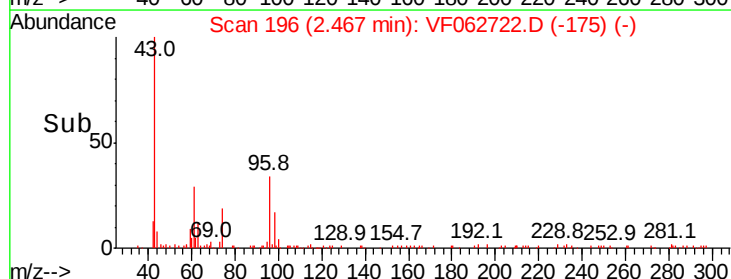
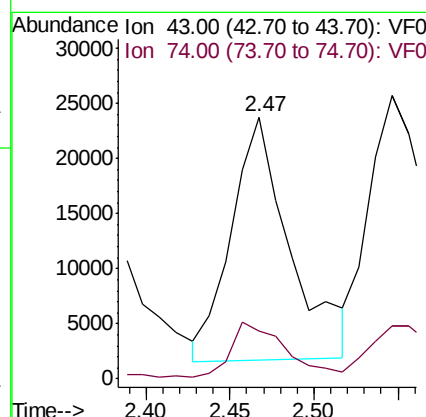
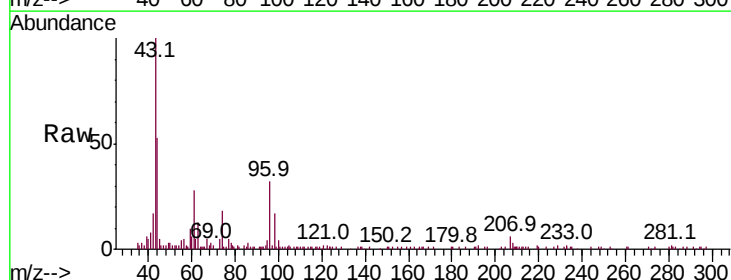
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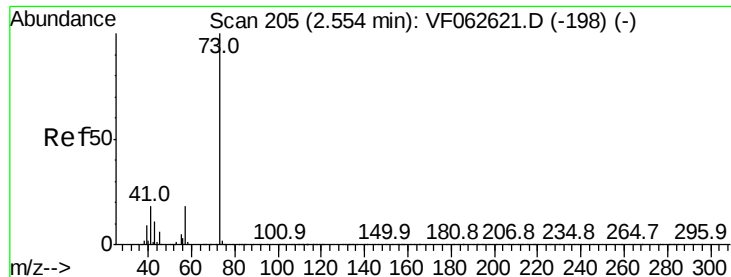
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#18
Methyl Acetate
Concen: 23.950 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion: 43 Resp: 53569
Ion Ratio Lower Upper
43 100
74 18.4 18.9 28.3#





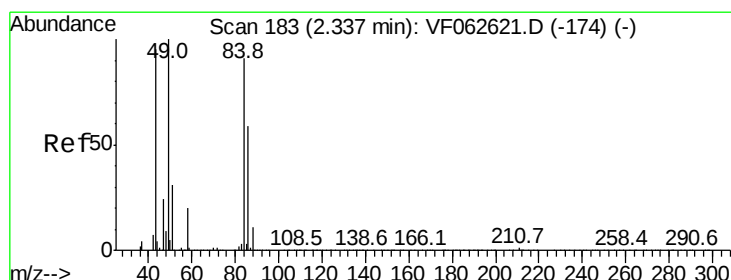
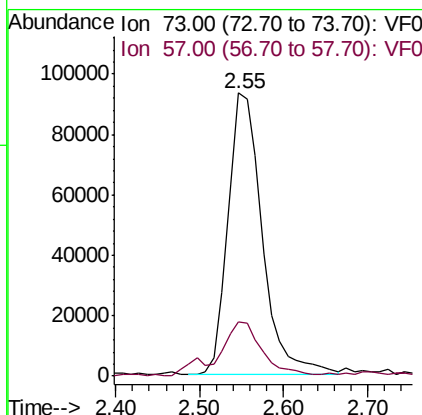
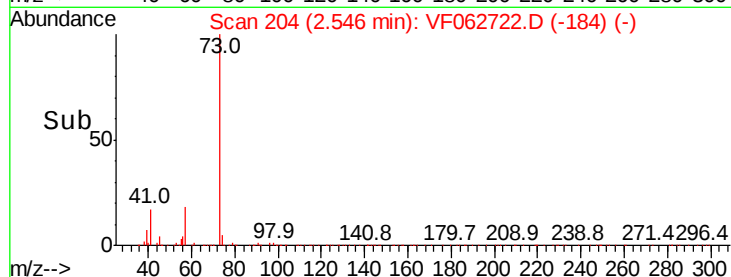
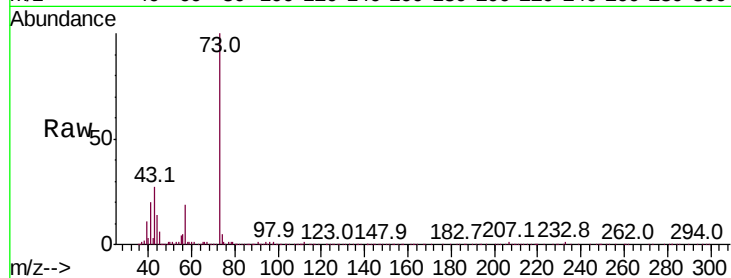
#19
Methvl tert-butvl Ether
Concen: 21.109 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.0	14.2	21.4

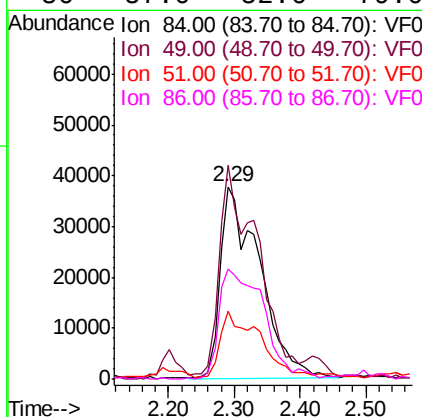
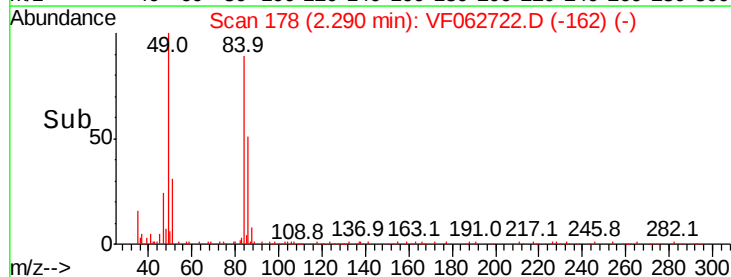
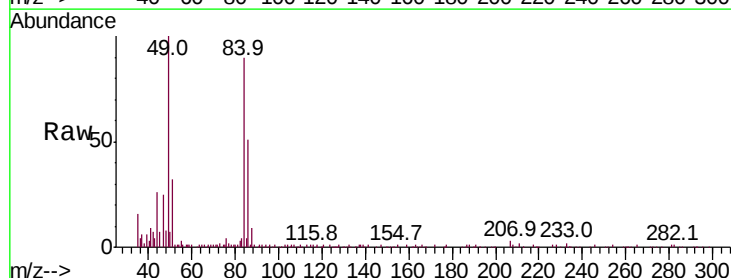
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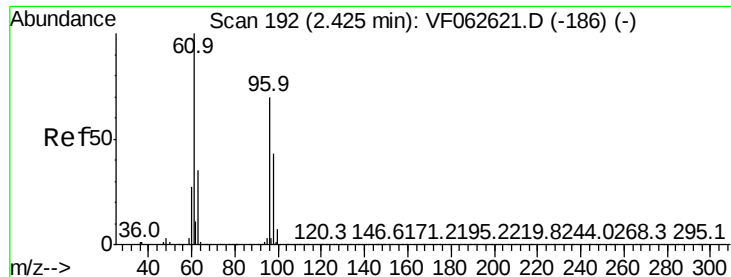
MMDadoda
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#20
Methylene Chloride
Concen: 22.035 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.9	89.8	134.8
51	35.5	28.4	42.6
86	57.0	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 21.863 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 96 Resp: 149045

Ion Ratio Lower Upper

96 100

61 135.7 114.6 171.8

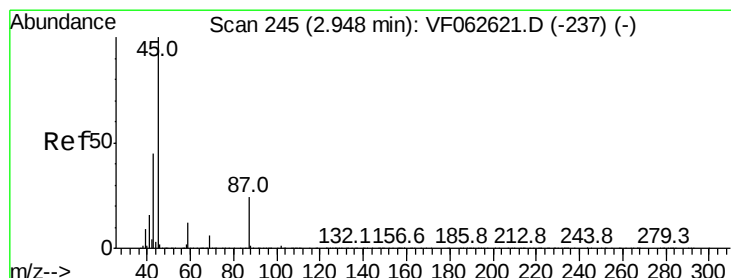
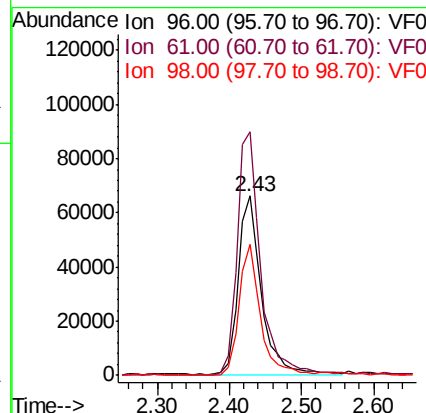
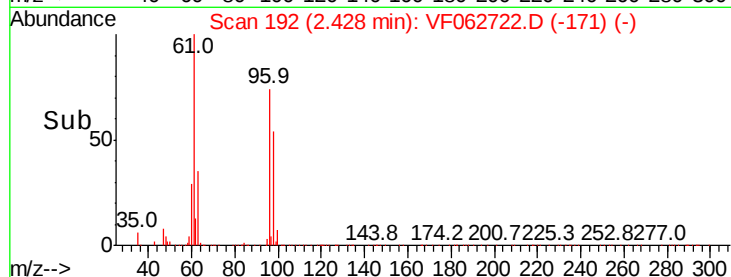
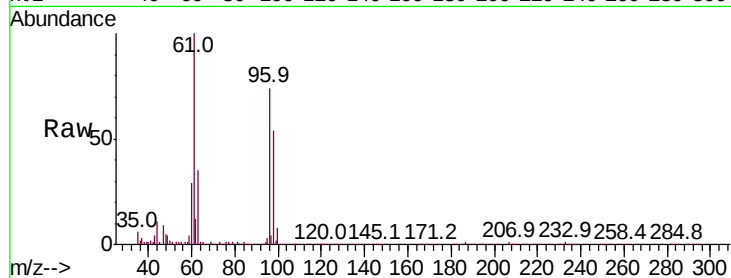
98 73.3 49.5 74.3

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#22

Diisopropyl ether

Concen: 21.940 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion: 45 Resp: 341584

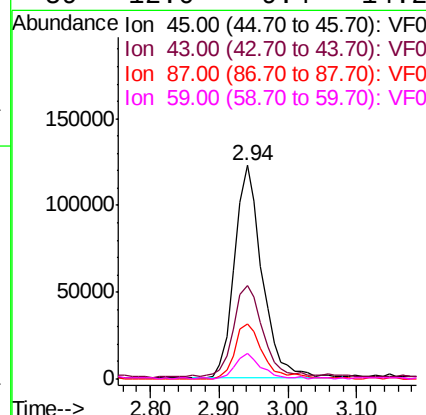
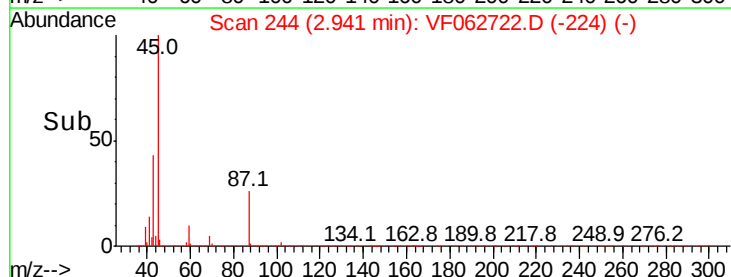
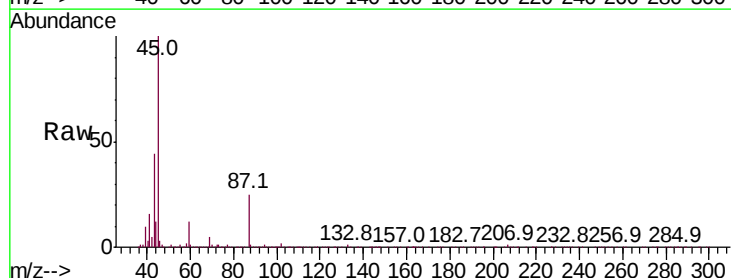
Ion Ratio Lower Upper

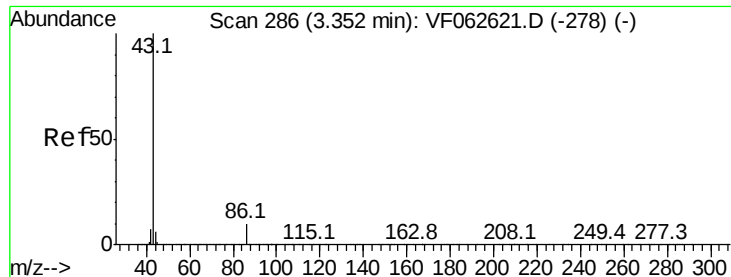
45 100

43 43.8 36.4 54.6

87 25.5 19.3 28.9

59 12.0 9.4 14.2





#23

Vinyl Acetate

Concen: 104.905 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 43 Resp: 1101767

Ion Ratio Lower Upper

43 100

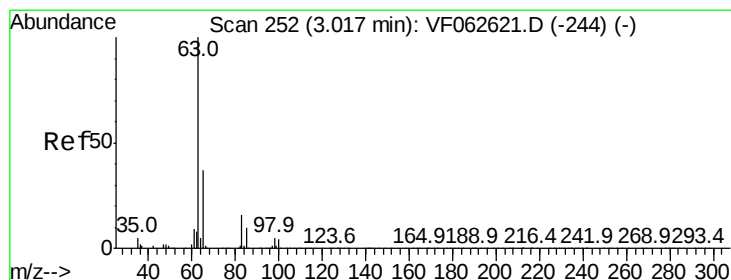
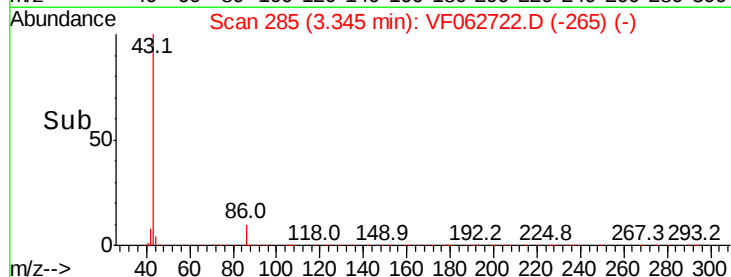
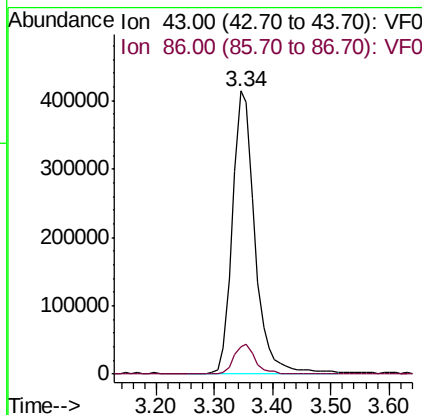
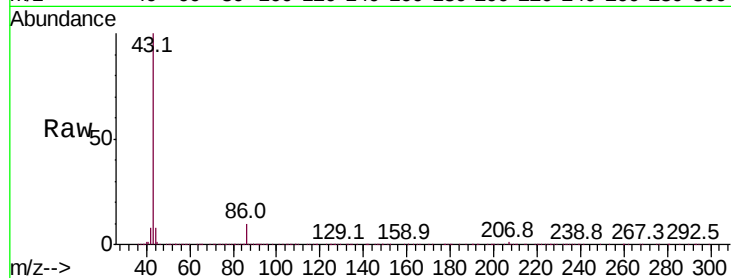
86 9.6 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 22.932 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

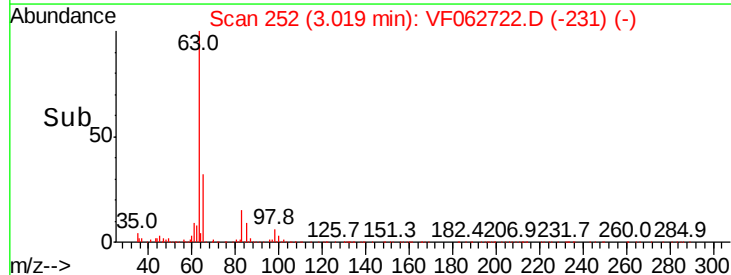
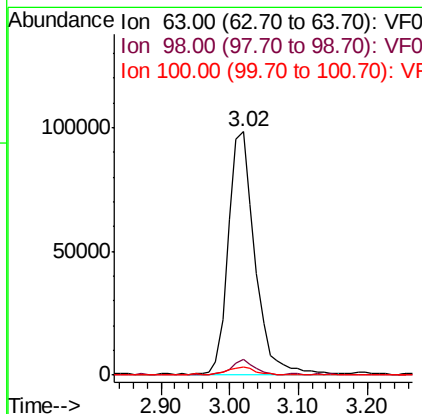
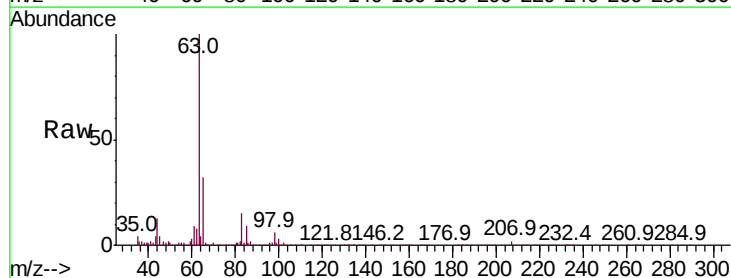
Tgt Ion: 63 Resp: 261920

Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.3

100 3.3 1.9 5.7





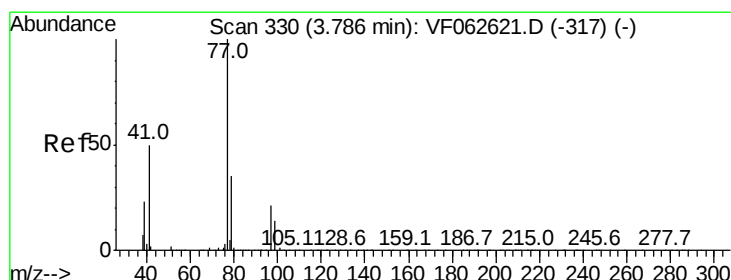
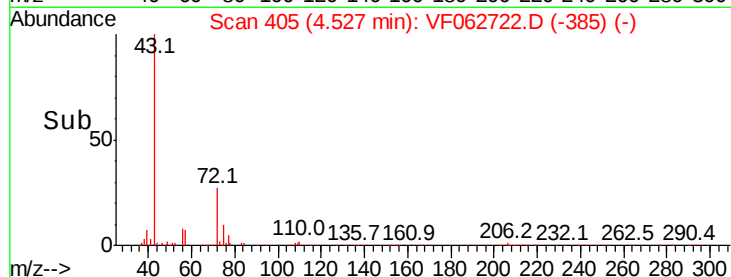
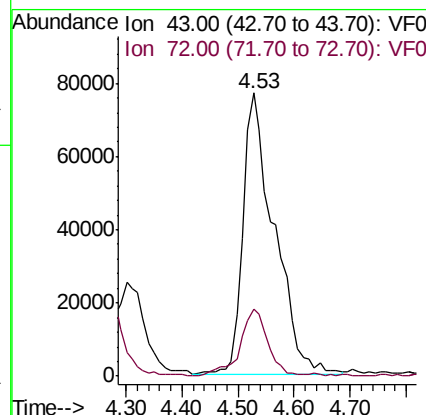
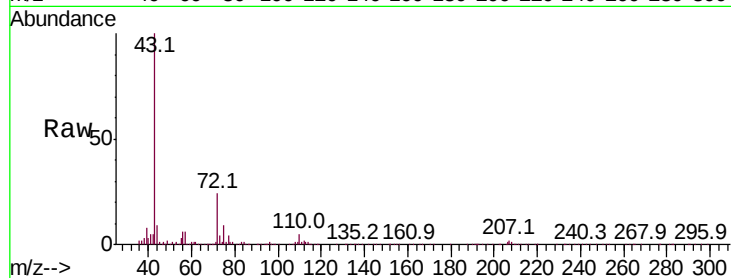
#25
2-Butanone
Concen: 96.822 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.1	30.1

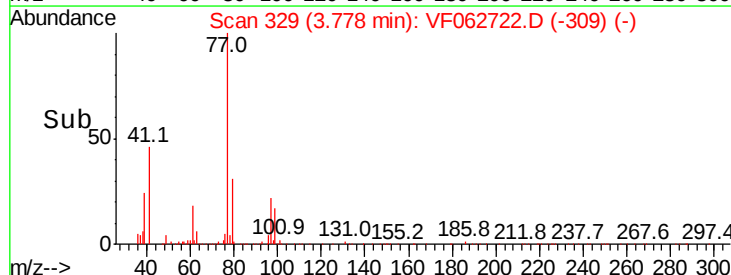
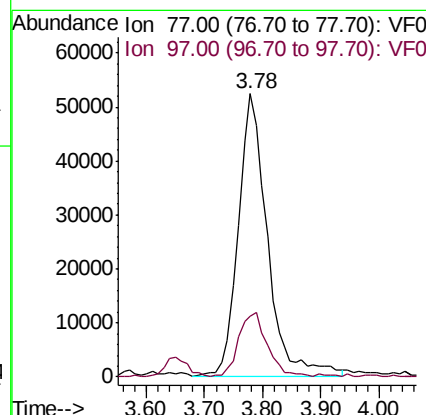
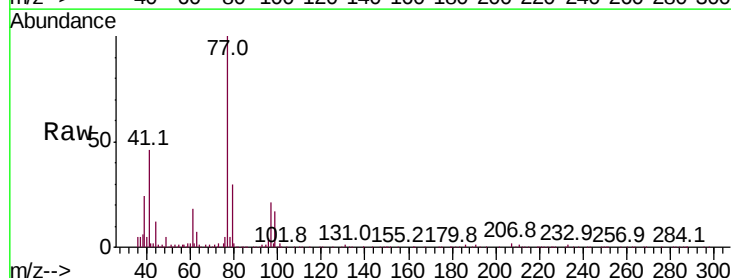
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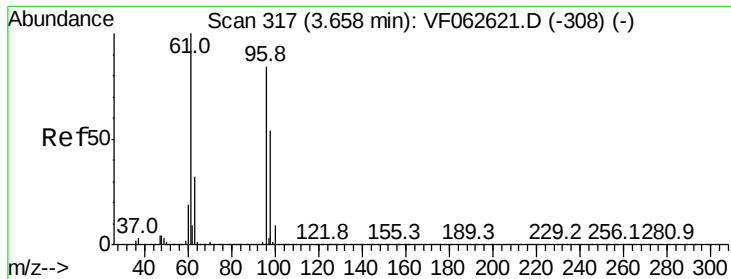
MMDadoda
5/24/2019 11:15:58 AM



#26
2,2-Dichloropropane
Concen: 27.651 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.3	14.1	42.4





#27

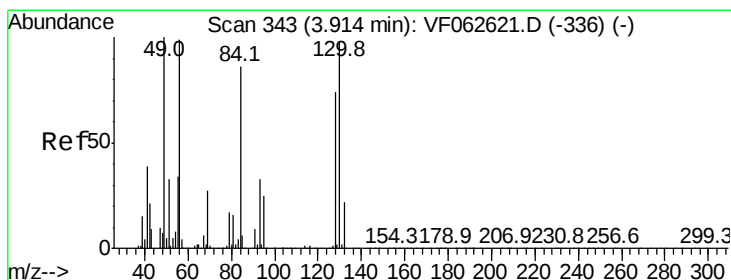
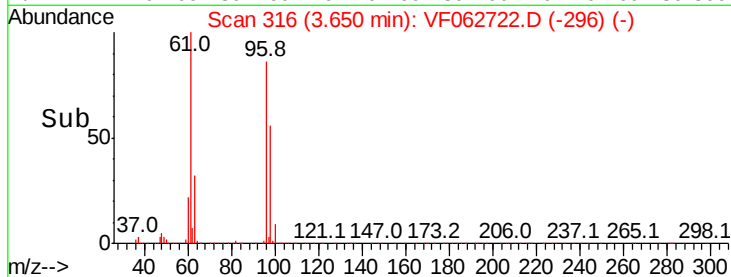
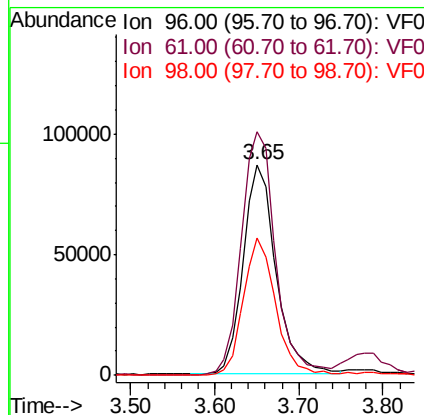
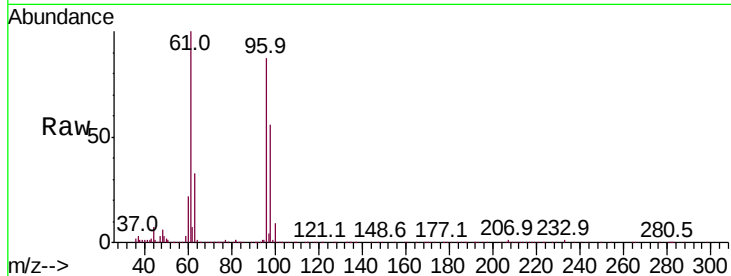
cis-1,2-Dichloroethene
Concen: 21.213 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	237880		
61	115.5	0.0	237.4	
98	65.1	0.0	129.0	

Manual Integrations
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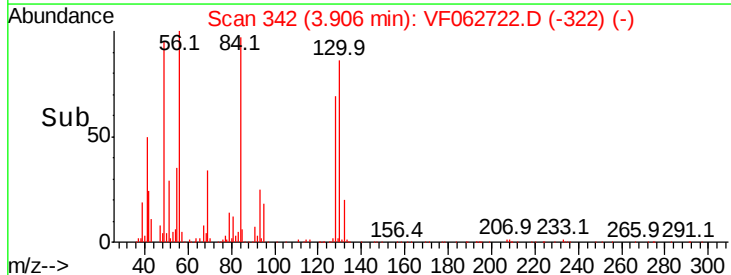
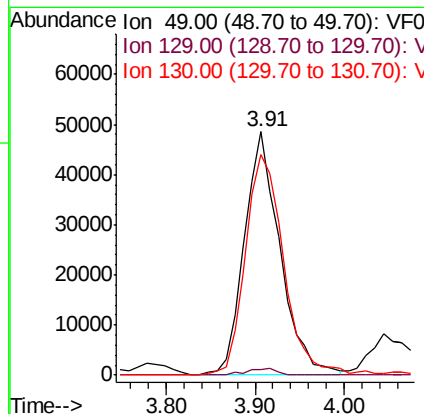
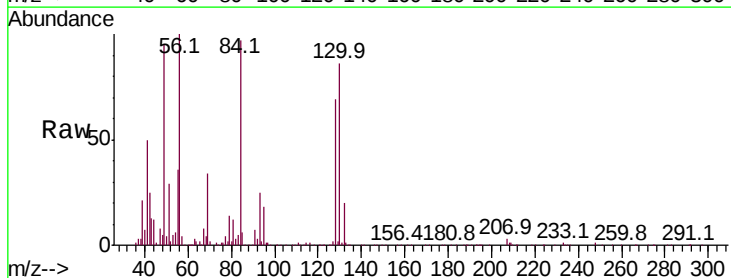
MMDadoda
5/24/2019 11:15:58 AM

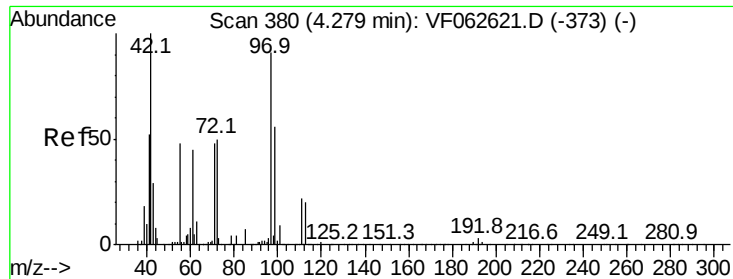


#28

Bromochloromethane
Concen: 20.852 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133573		
129	2.5	0.0	4.0	
130	90.5	77.8	116.8	





#29

Tetrahydrofuran

Concen: 100.231 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

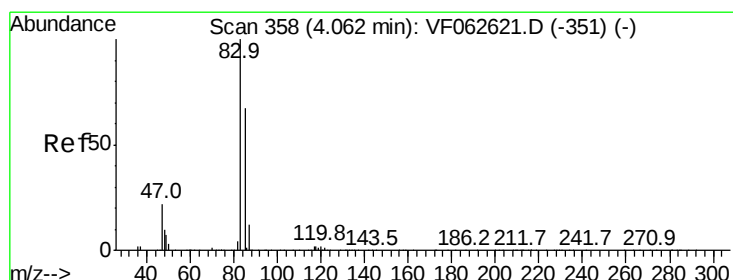
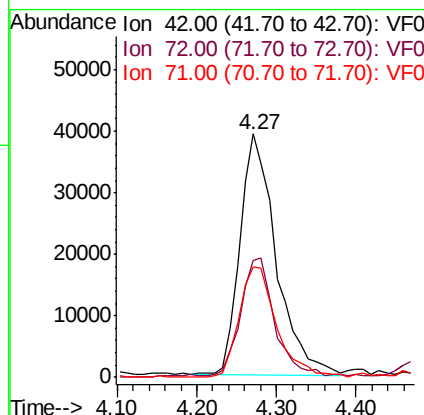
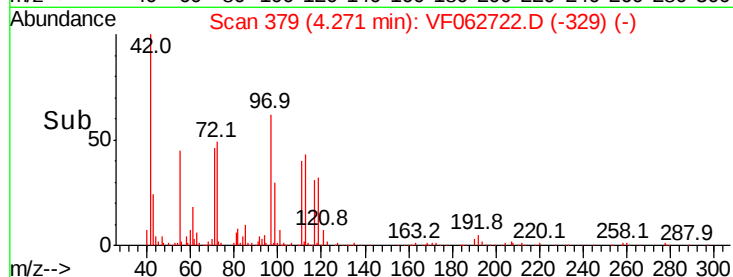
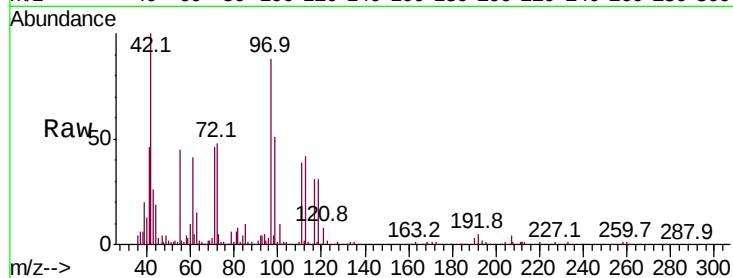
ClientSampleId :

VF0523SBS01

Tot Ion:	42	Resp:	123345
Ion Ratio	Lower	Upper	
42	100		
72	45.1	38.2	57.2
71	47.6	35.8	53.6

Manual Integrations
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5/24/2019 11:15:58 AM



#30

Chloroform

Concen: 22.610 ug/l

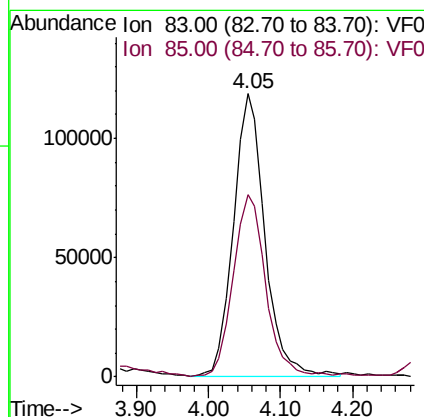
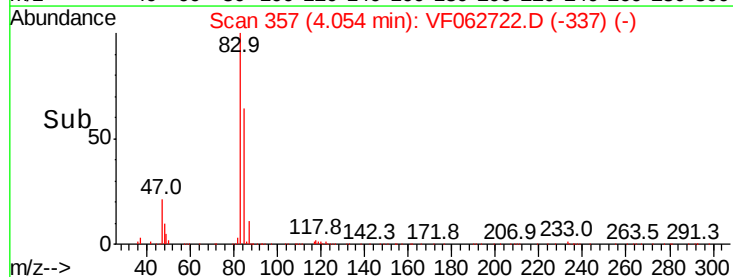
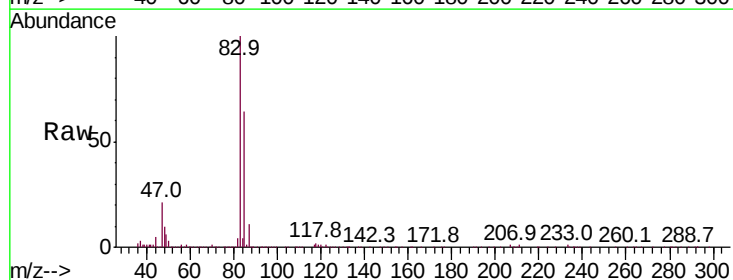
RT: 4.05 min Scan# 357

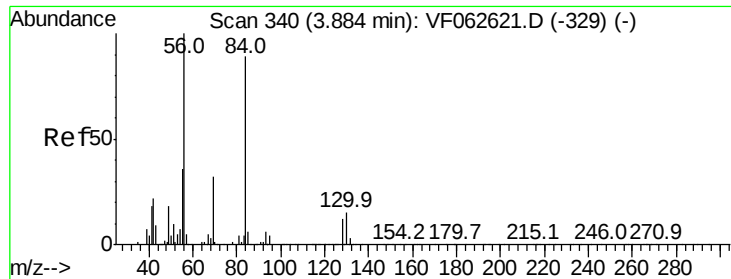
Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion:	83	Resp:	358548
Ion Ratio	Lower	Upper	
83	100		
85	64.2	53.6	80.4





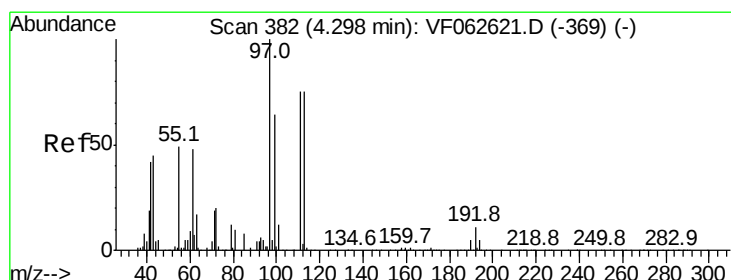
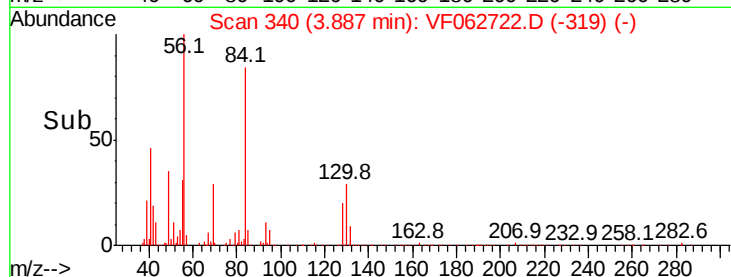
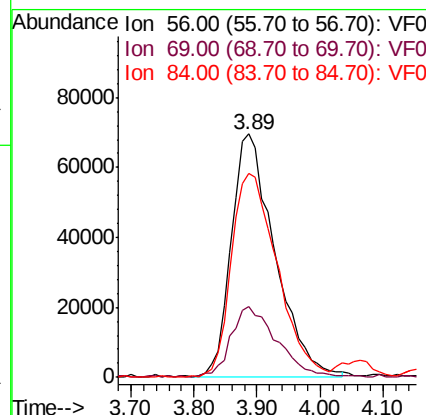
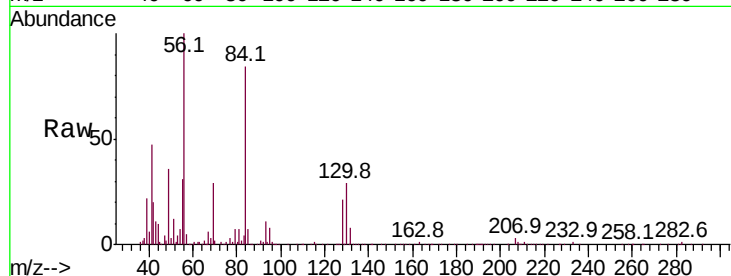
#31
Cyclohexane
Concen: 21.676 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	25.3	37.9
84	83.8	71.0	106.4

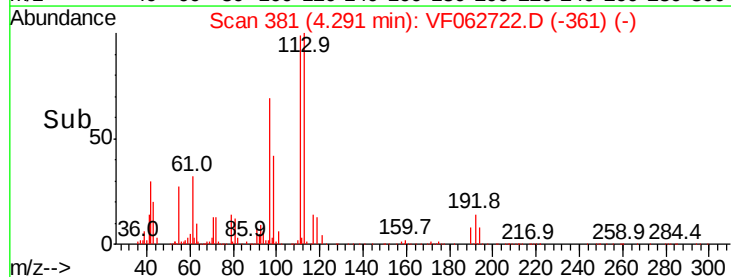
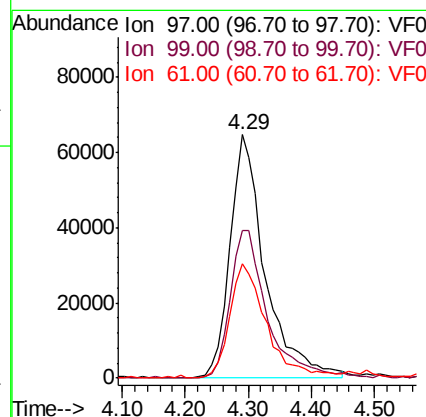
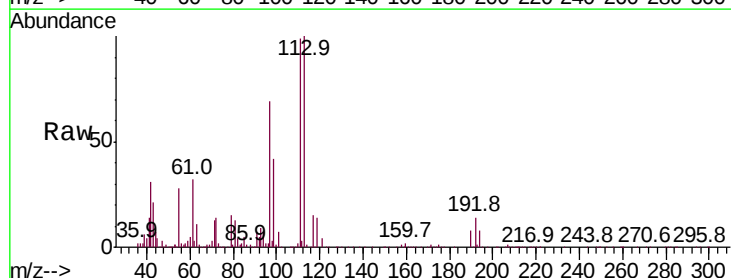
Manual Integrations
APPROVED

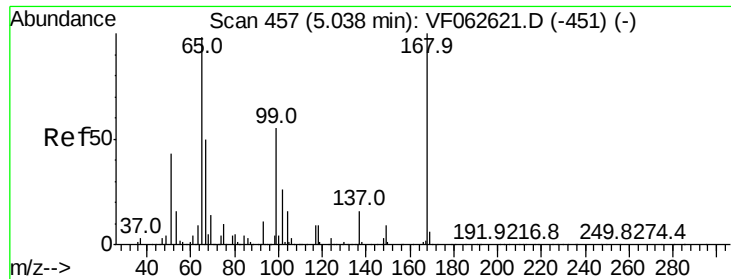
MMDadoda
5/24/2019 11:15:58 AM



#32
1,1,1-Trichloroethane
Concen: 23.713 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.5	51.3	76.9
61	47.0	38.2	57.2





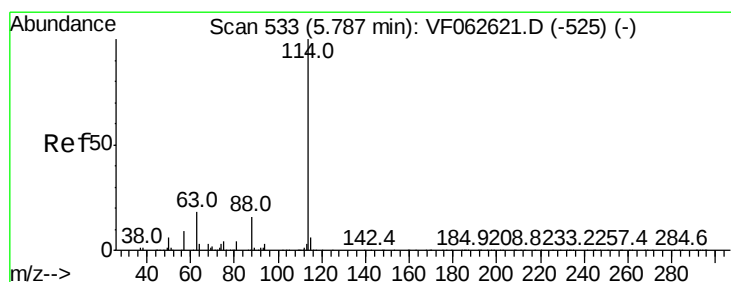
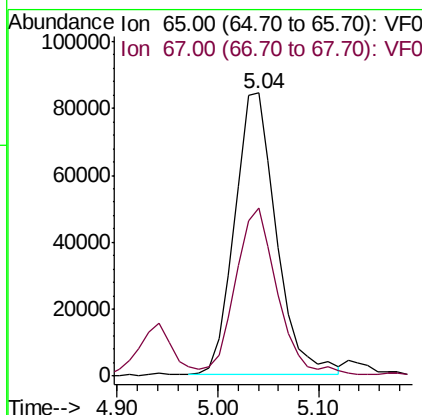
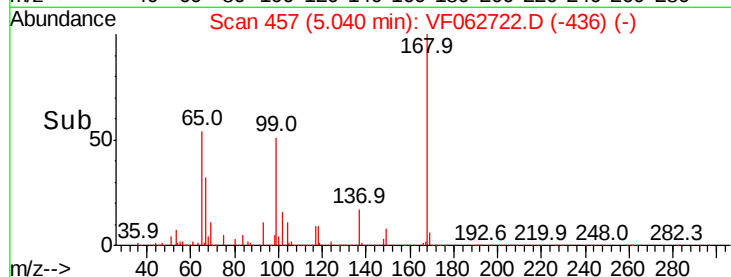
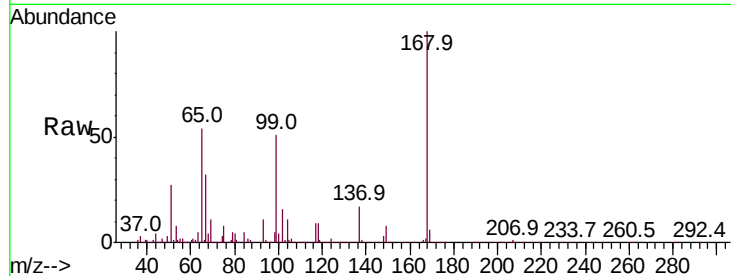
#33
 1,2-Dichloroethane-d4
 Concen: 44.288 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	242988		
67	59.5	0.0	117.6	

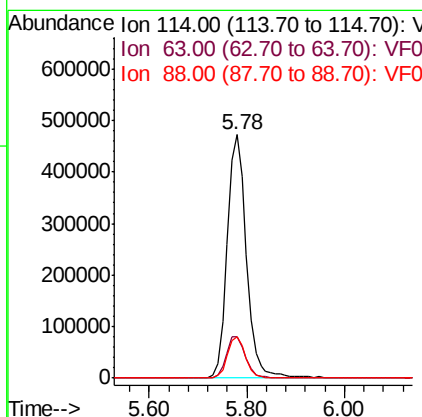
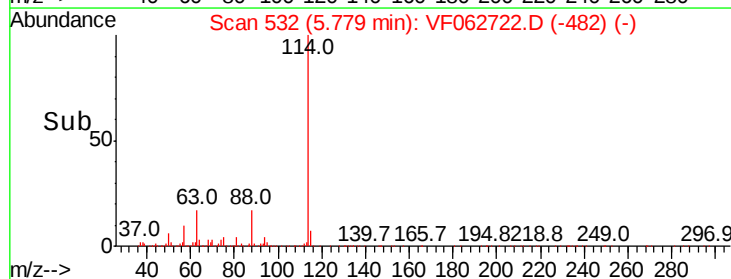
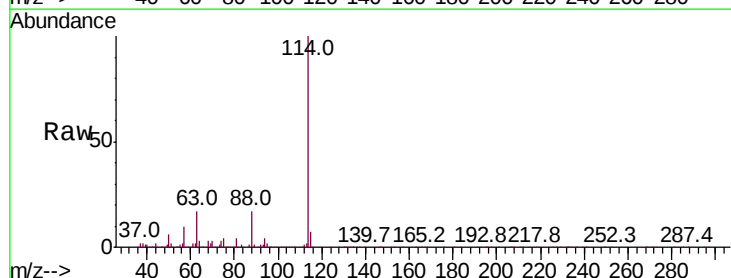
Manual Integrations
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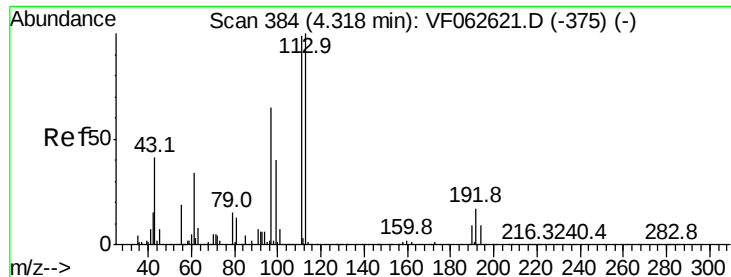
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 5/24/2019 11:15:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1287892		
63	16.8	0.0	35.4	
88	17.0	0.0	32.4	





#35

Dibromofluoromethane

Concen: 48.632 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

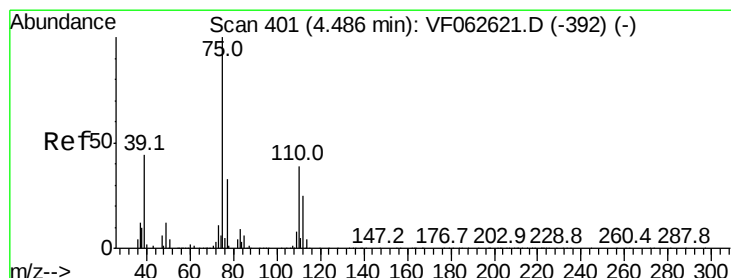
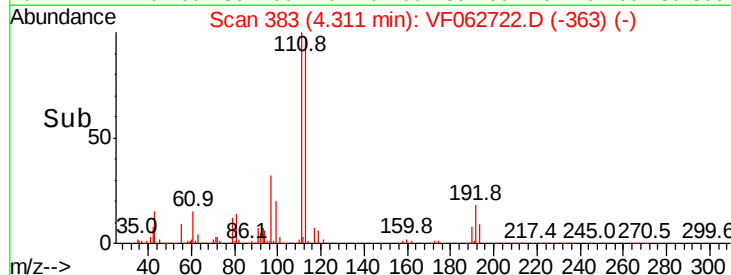
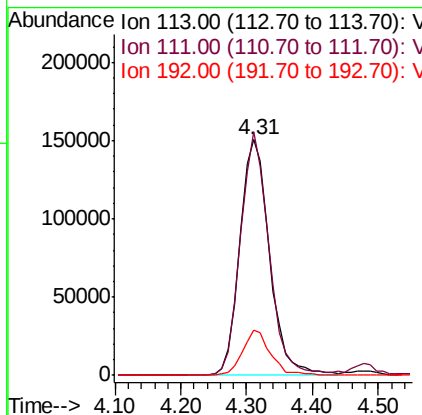
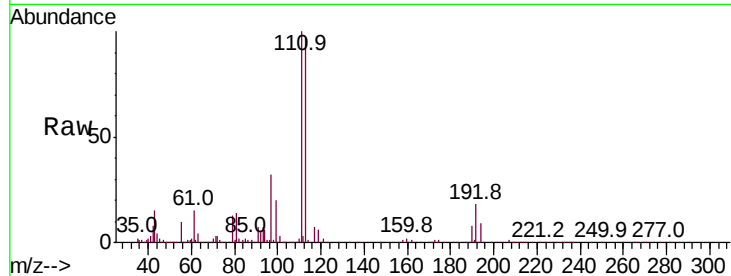
ClientSampleId :

VF0523SBS01

Tot Ion:	113	Resp:	479270
Ion Ratio	Lower	Upper	
113	100		
111	103.4	79.4	119.2
192	19.1	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.675 ug/l

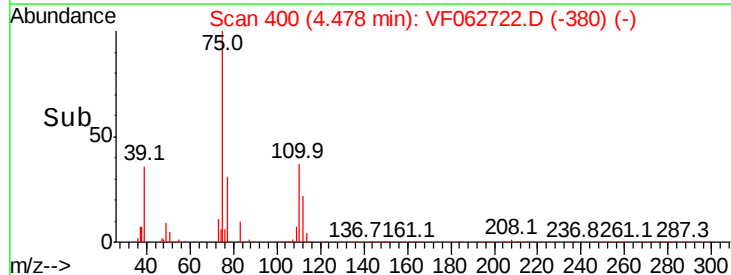
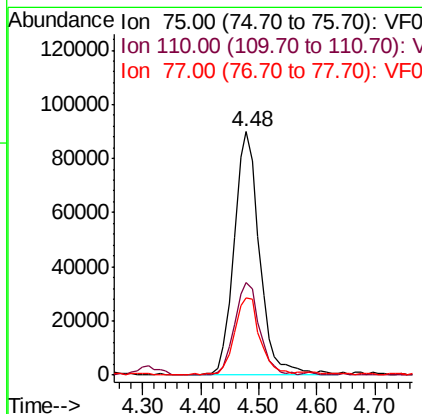
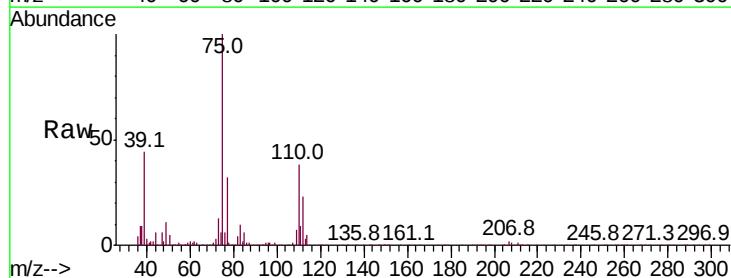
RT: 4.48 min Scan# 400

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion:	75	Resp:	272844
Ion Ratio	Lower	Upper	
75	100		
110	37.8	19.7	59.1
77	31.7	26.3	39.5





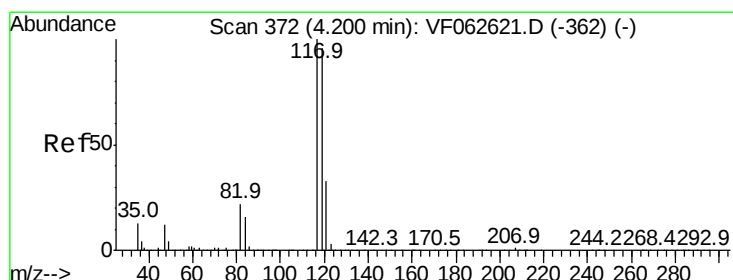
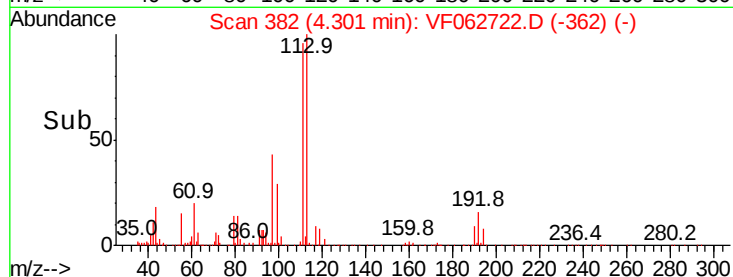
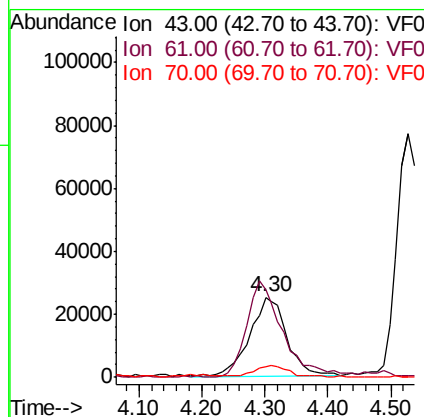
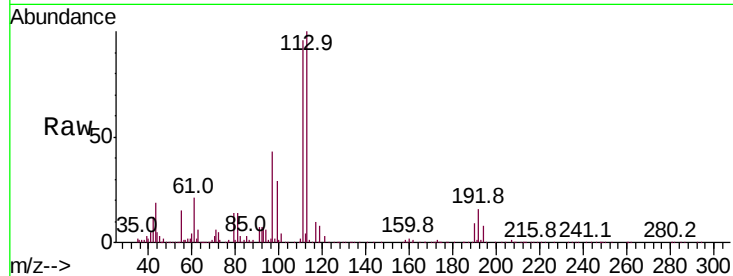
#37
Ethyl Acetate
Concen: 19.439 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	109.0	76.9	115.3
70	13.9	8.8	13.2#

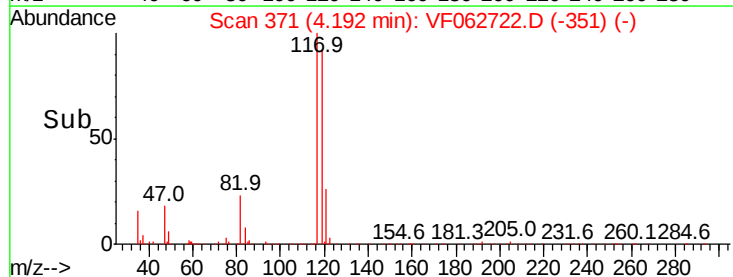
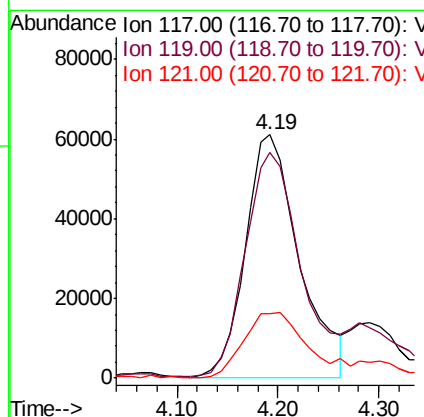
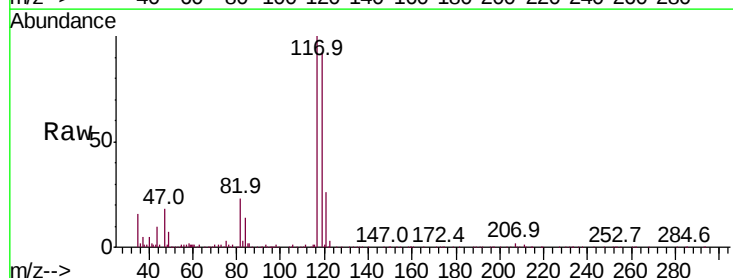
Manual Integrations
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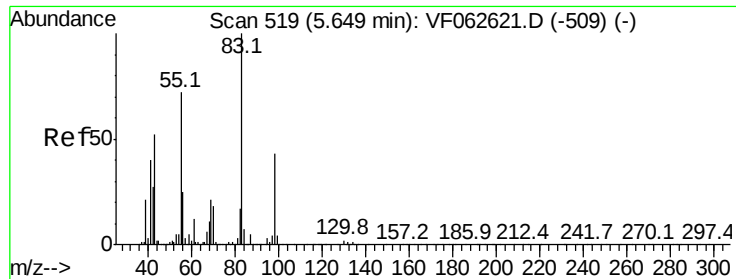
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#38
Carbon Tetrachloride
Concen: 22.890 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.7	115.1
121	26.3	26.6	40.0#





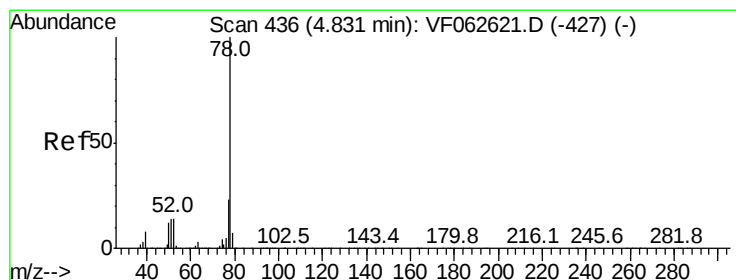
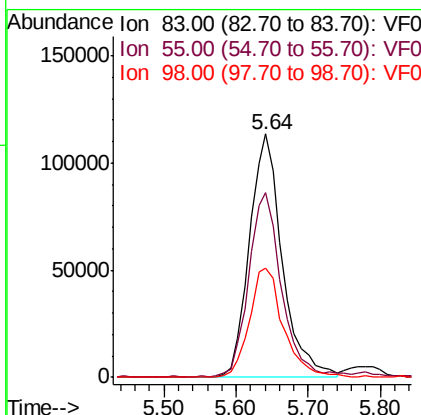
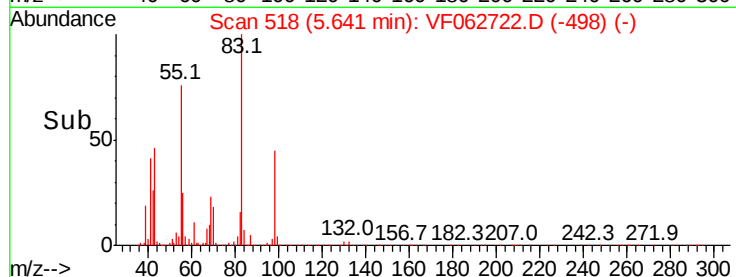
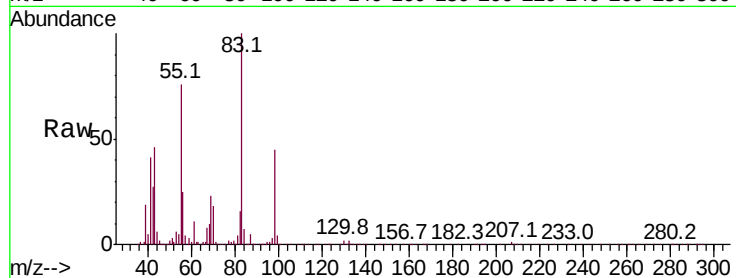
#39
Methvlcvclohexane
Concen: 22.720 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.9	57.9	86.9	
98	45.0	34.6	52.0	

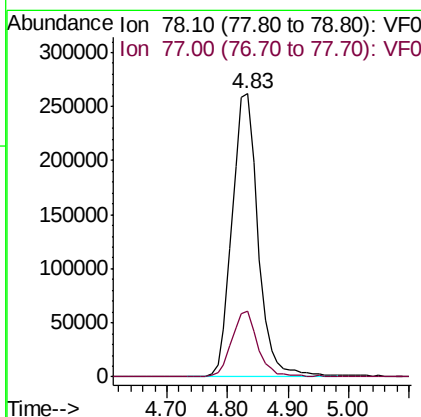
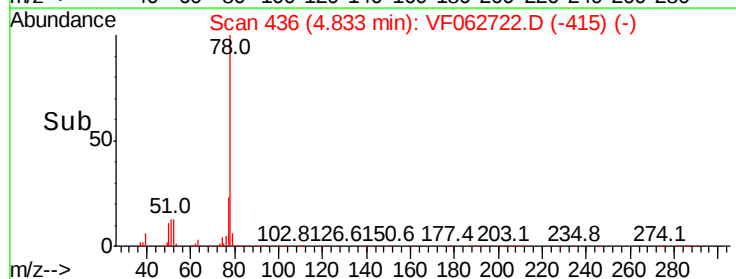
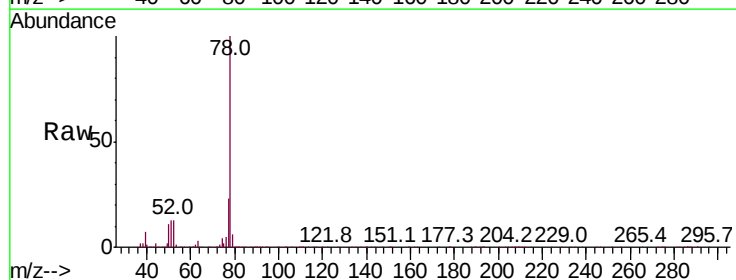
Manual Integrations
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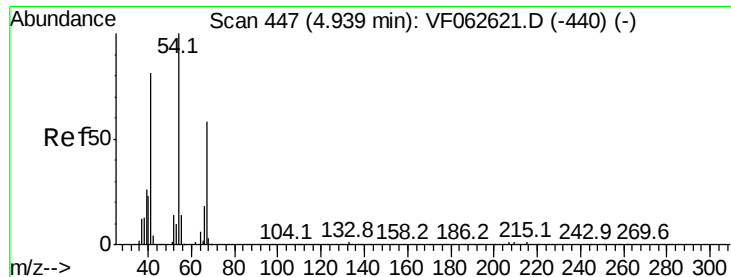
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#40
Benzene
Concen: 21.875 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.2	27.2	





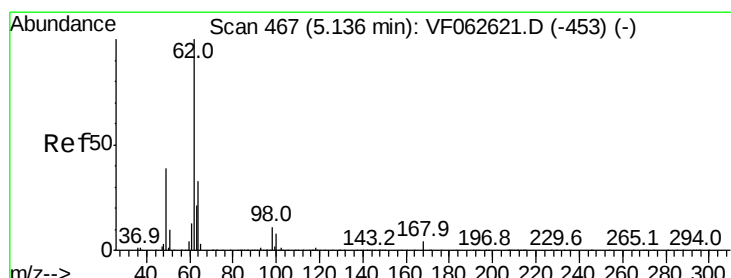
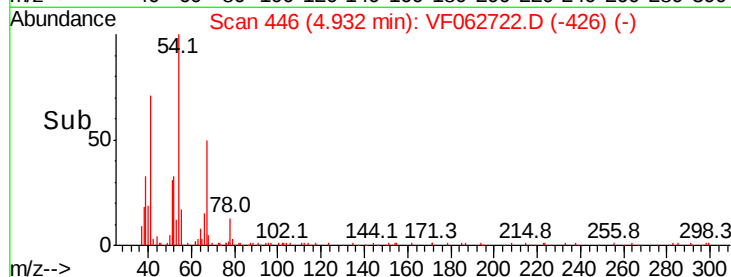
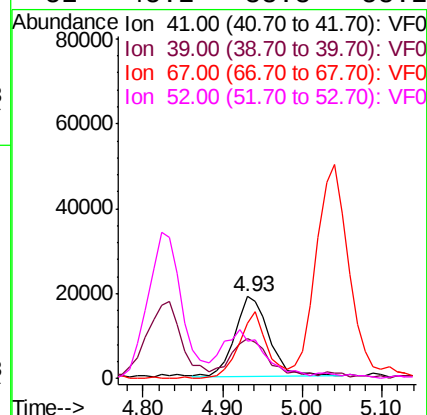
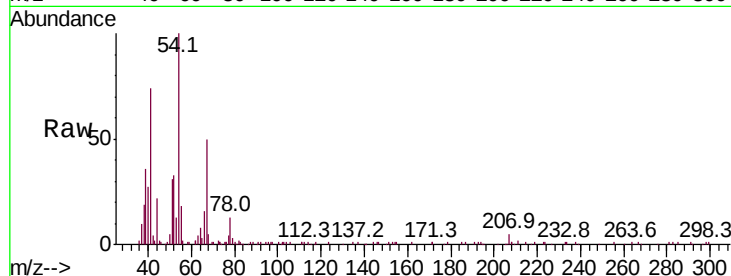
#41
Methacrylonitrile
Concen: 19.782 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.0	42.2	63.2
67	67.8	56.4	84.6
52	45.2	38.8	58.2

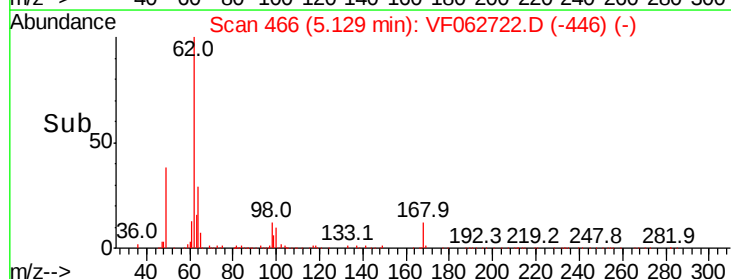
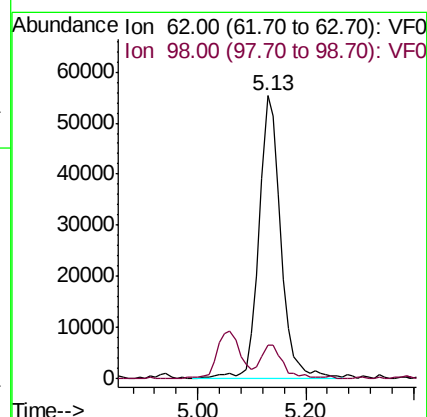
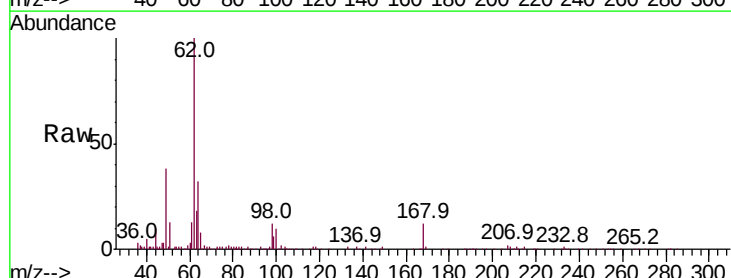
Manual Integrations
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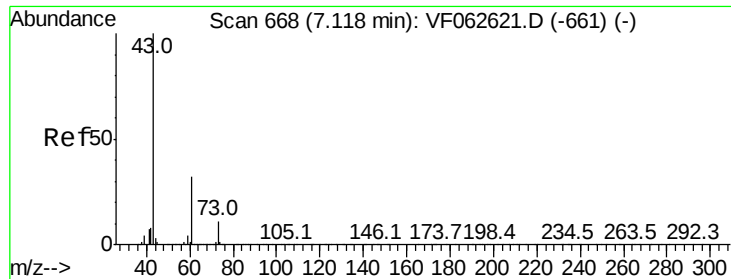
MMDadoda
5/24/2019 11:15:58 AM



#42
1,2-Dichloroethane
Concen: 21.687 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.0	0.0	21.6





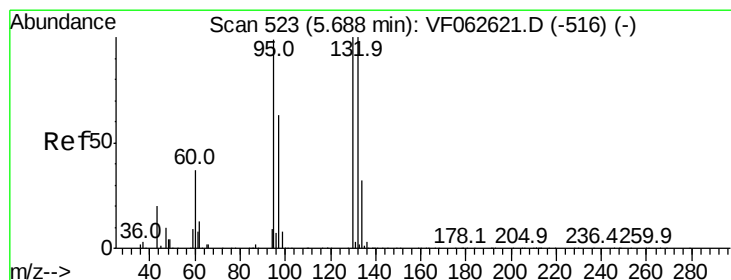
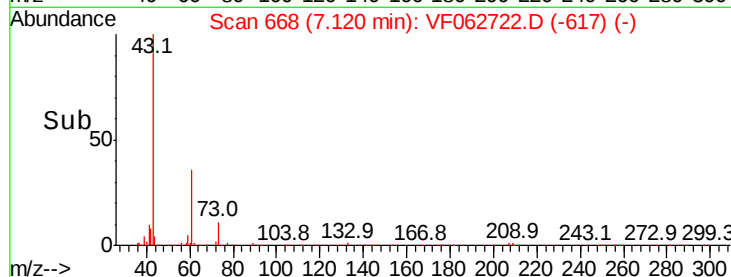
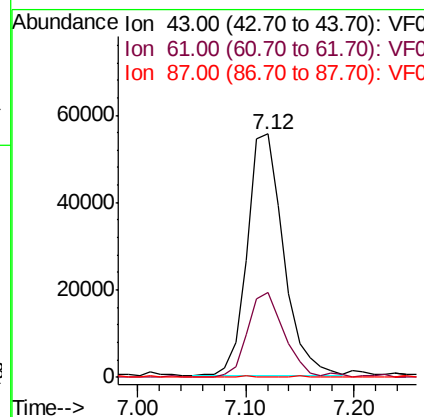
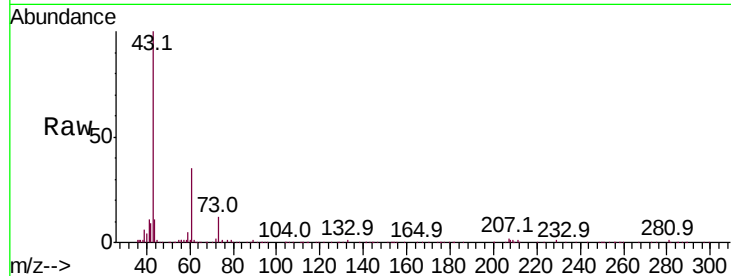
#43
Isopropyl Acetate
Concen: 18.648 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.6	25.8	38.8
87	0.0	0.4	0.6

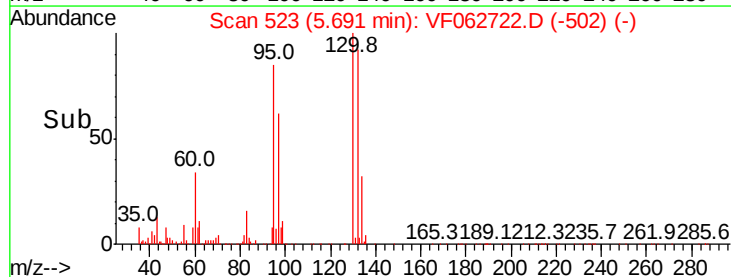
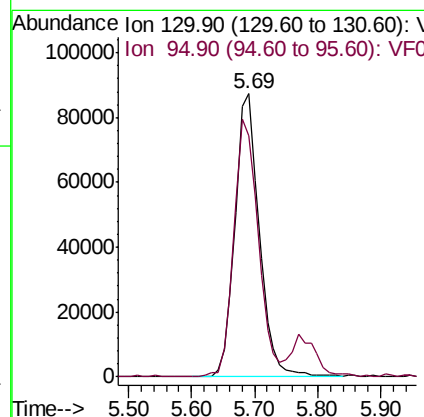
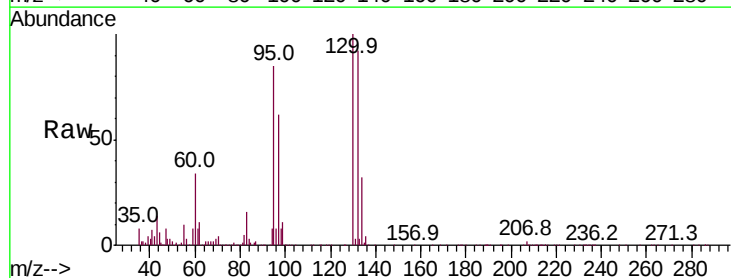
Manual Integrations
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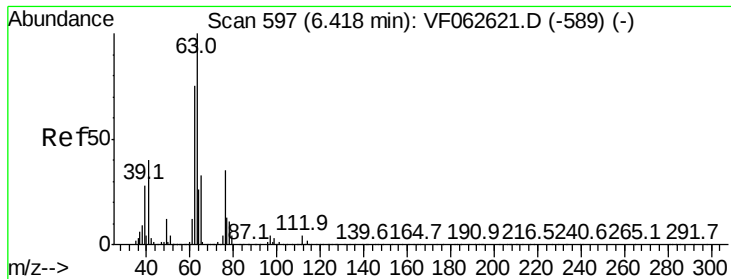
MMDadoda
5/24/2019 11:15:58 AM



#44
Trichloroethene
Concen: 23.014 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.2	0.0	199.4





#45

1,2-Dichloropropane

Concen: 21.153 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 63 Resp: 191979

Ion Ratio Lower Upper

63 100

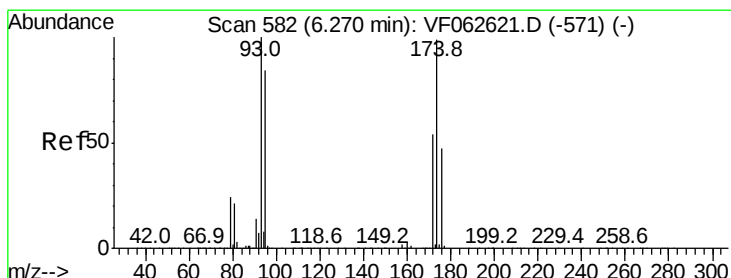
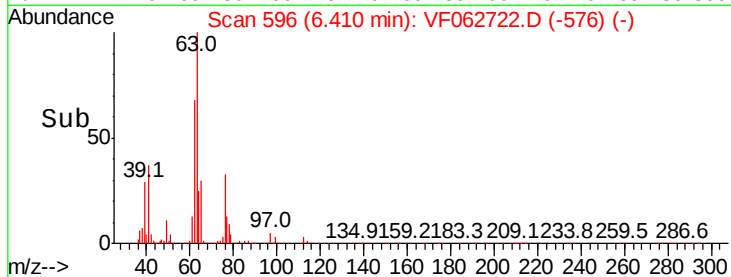
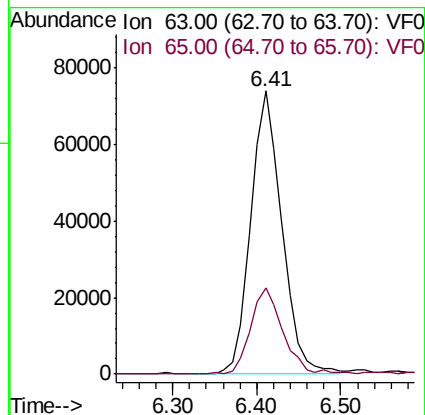
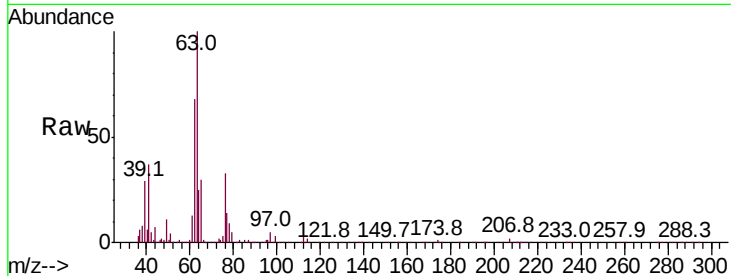
65 30.3 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 21.029 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

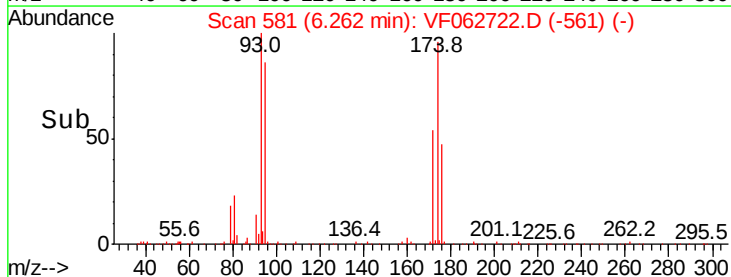
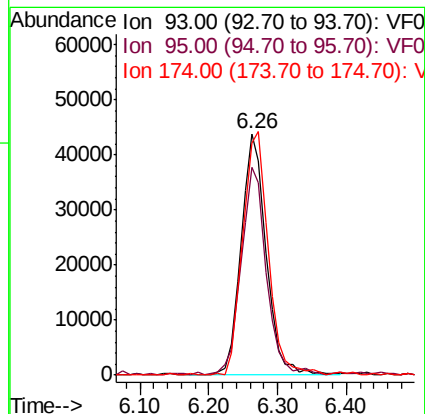
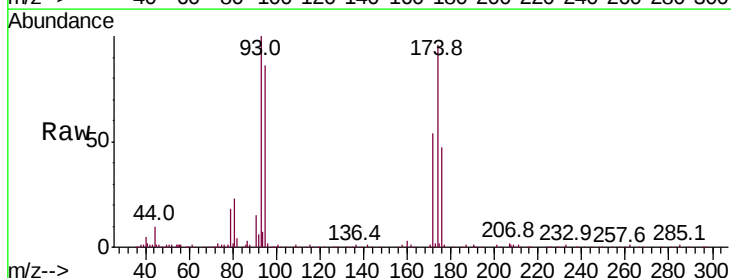
Tgt Ion: 93 Resp: 110298

Ion Ratio Lower Upper

93 100

95 85.9 67.4 101.2

174 96.4 79.4 119.2





#47

Bromodichloromethane

Concen: 20.522 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

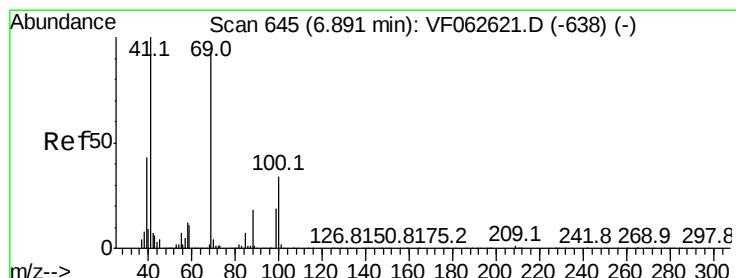
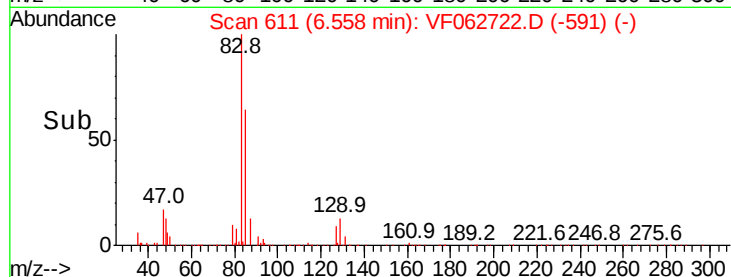
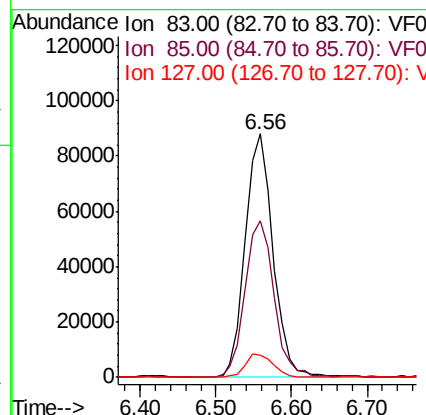
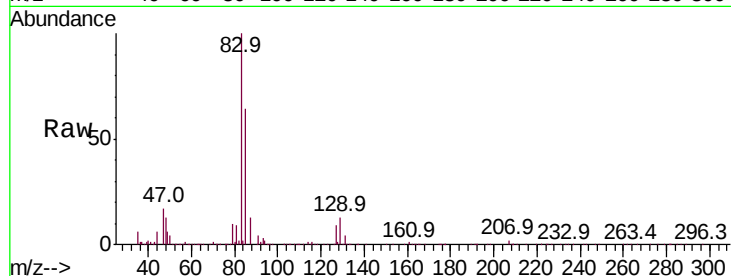
ClientSampleId :

VF0523SBS01

Tot Ion:	83	Resp:	223459
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.0	78.0
127	9.1	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.799 ug/l

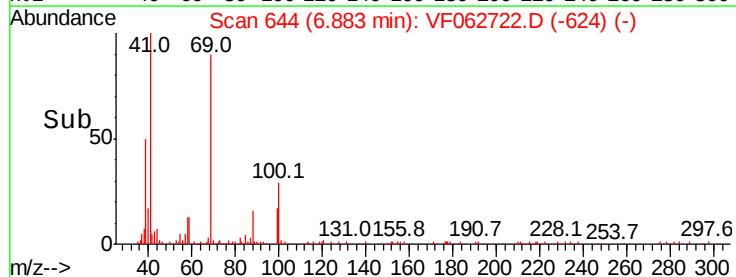
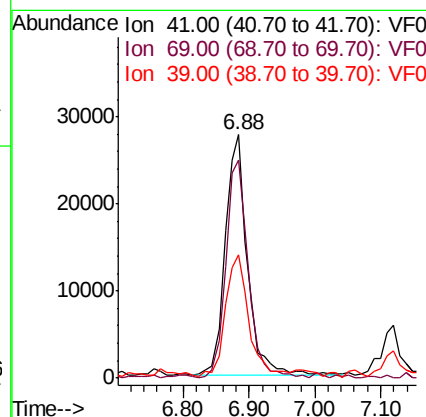
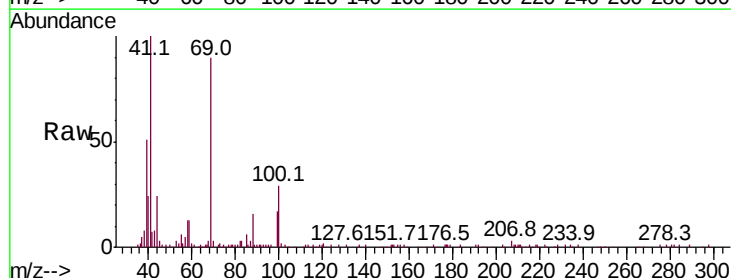
RT: 6.88 min Scan# 644

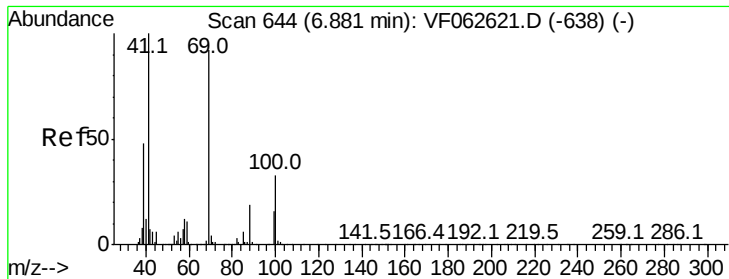
Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion:	41	Resp:	64945
Ion Ratio	Lower	Upper	
41	100		
69	89.8	74.2	111.2
39	50.7	34.2	51.4





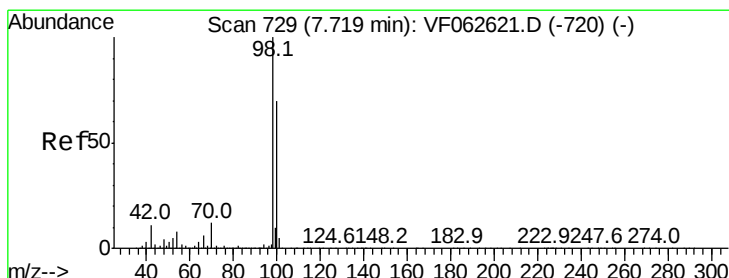
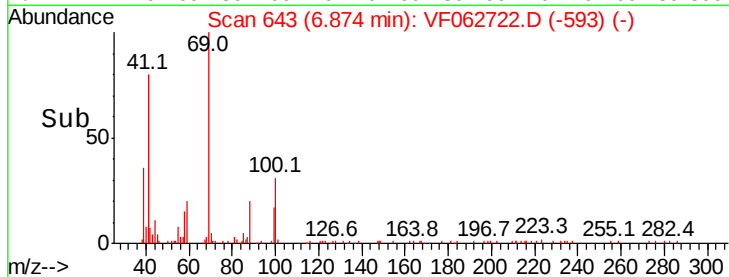
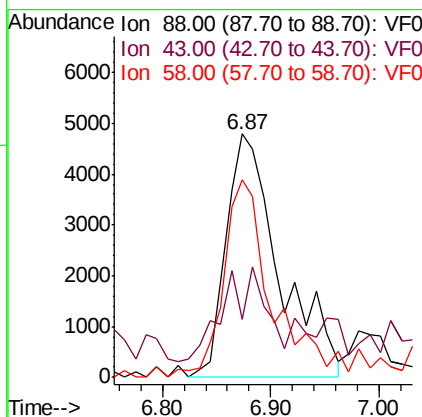
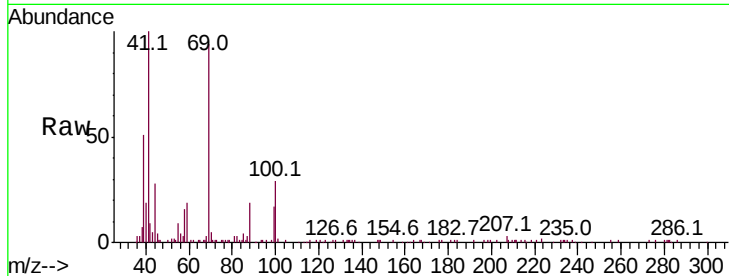
#49
1,4-Dioxane
Concen: 356.282 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	23.8	30.0	45.0#	
58	81.3	51.1	76.7#	

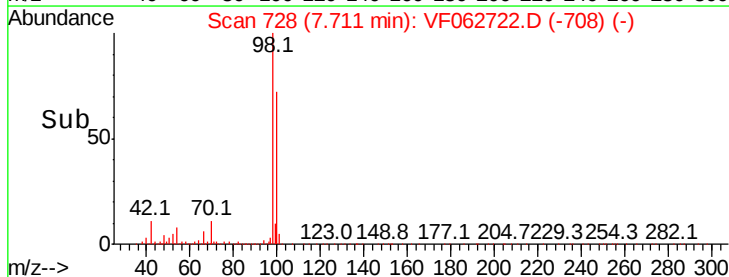
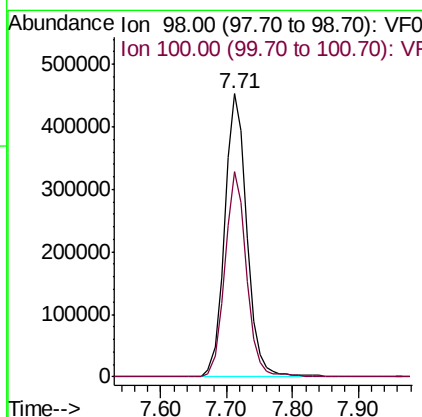
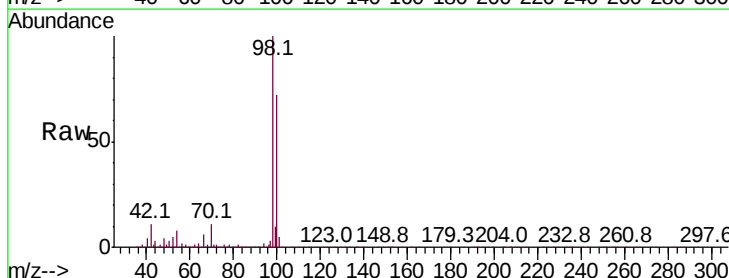
Manual Integrations
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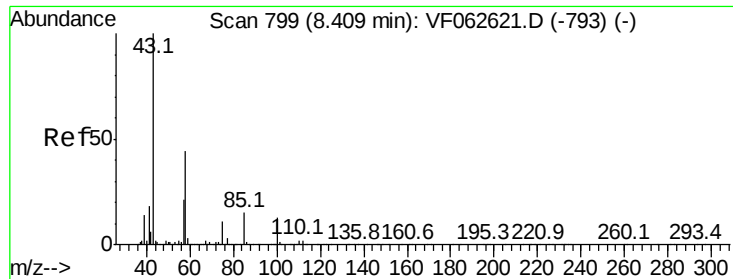
MMDadoda
5/24/2019 11:15:58 AM



#50
Toluene-d8
Concen: 45.497 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	72.4	56.2	84.2	





#51

4-Methyl-2-Pentanone

Concen: 103.510 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 43 Resp: 493912

Ion Ratio Lower Upper

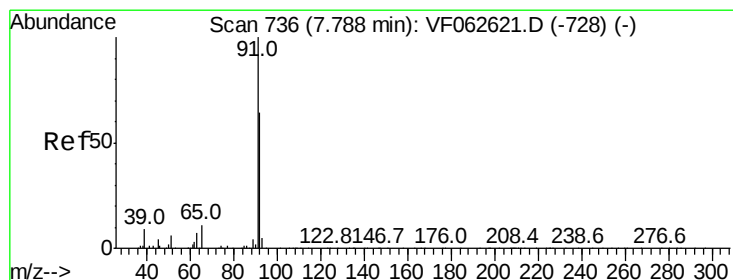
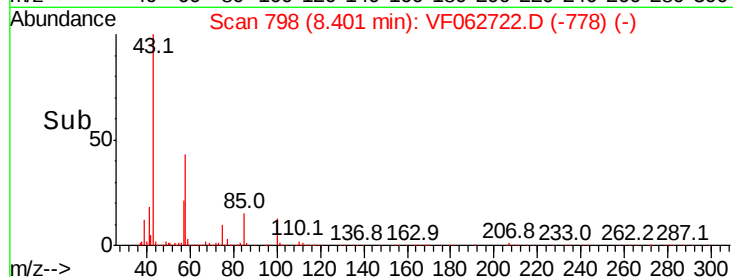
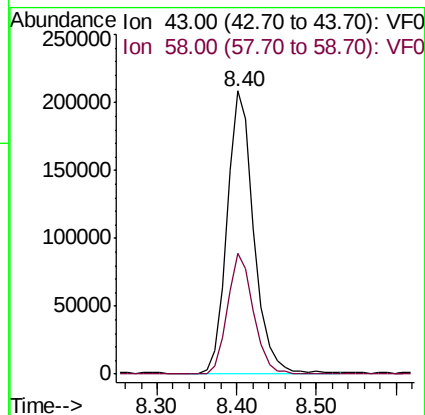
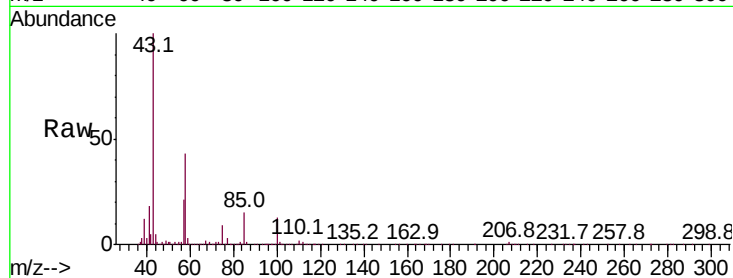
43 100

58 42.8 34.9 52.3

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#52

Toluene

Concen: 22.258 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062722.D

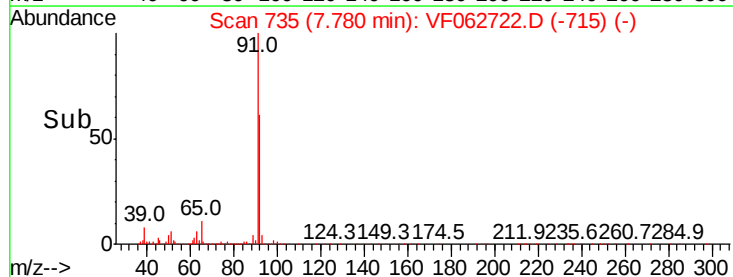
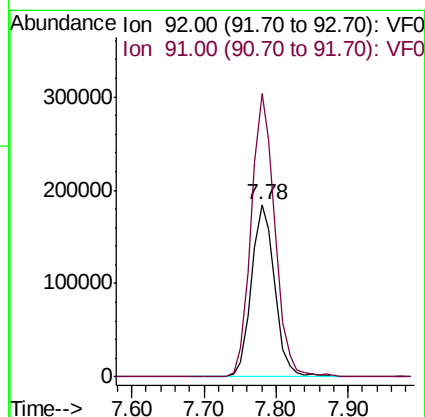
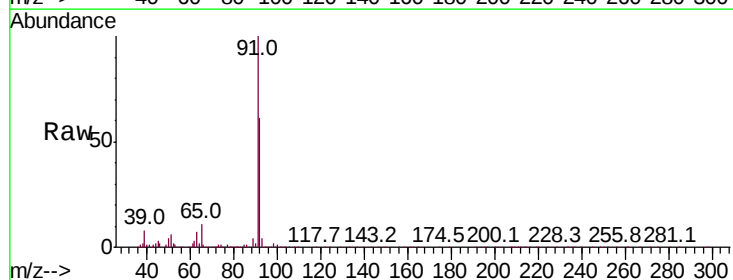
Acq: 23 May 2019 13:05

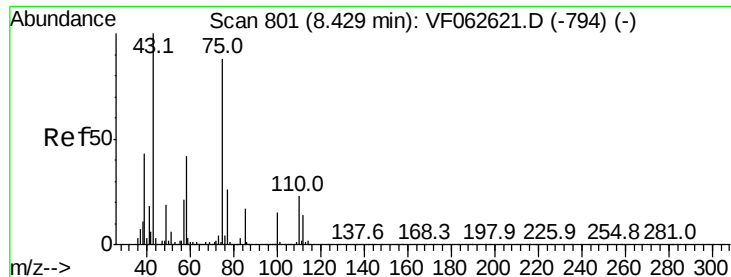
Tgt Ion: 92 Resp: 419678

Ion Ratio Lower Upper

92 100

91 164.0 125.4 188.0





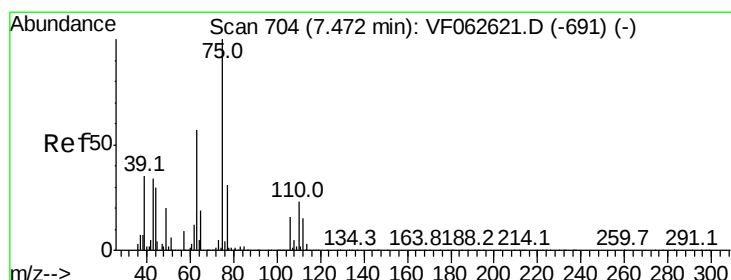
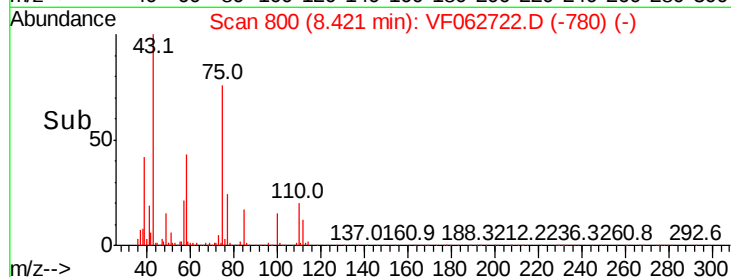
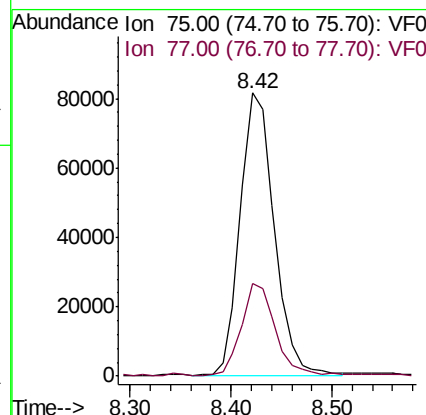
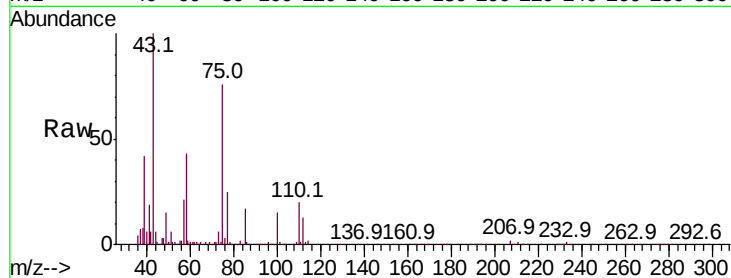
#53
t-1,3-Dichloropropene
Concen: 21.510 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.2	36.4

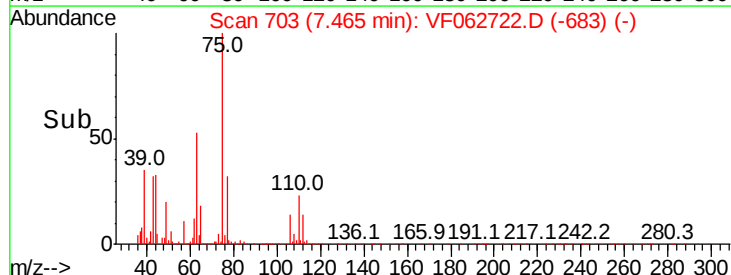
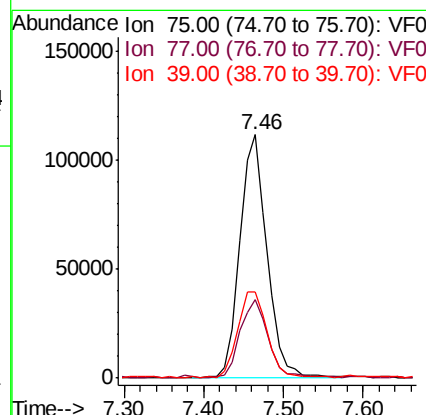
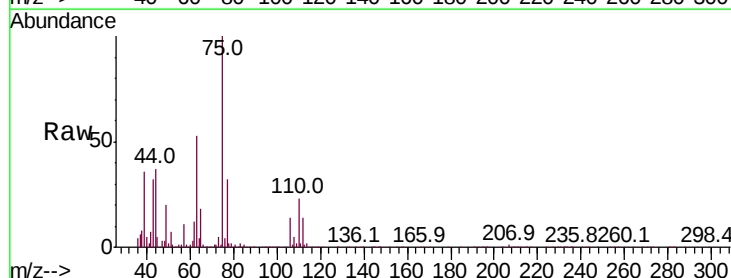
Manual Integrations
APPROVED

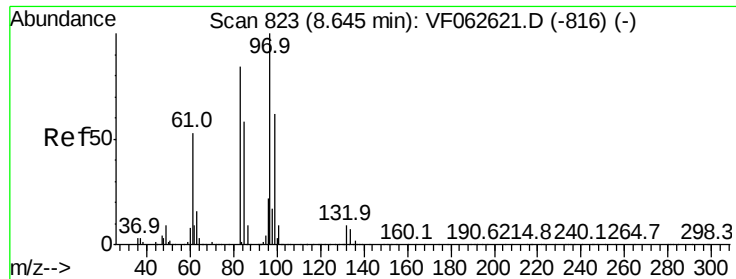
MMDadoda
5/24/2019 11:15:58 AM



#54
cis-1,3-Dichloropropene
Concen: 21.132 ug/l
RT: 7.46 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	35.5	28.2	42.2





#55

1,1,2-Trichloroethane

Concen: 22.601 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

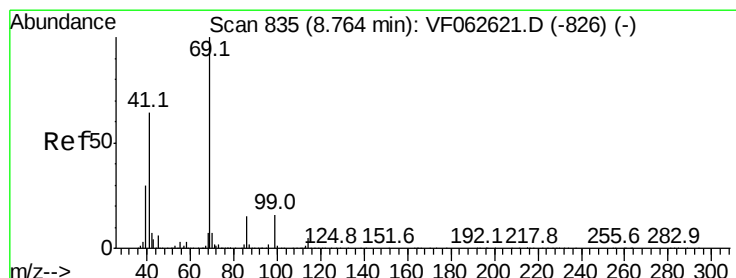
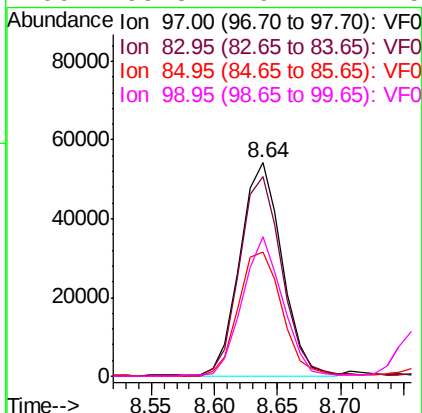
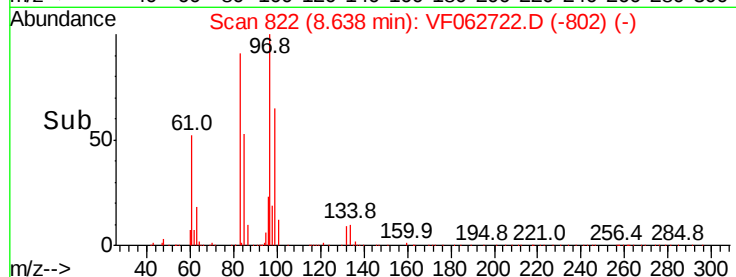
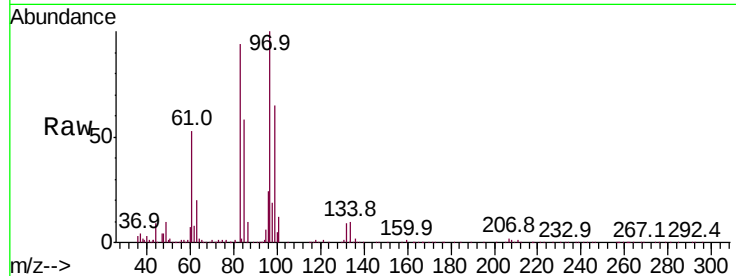
ClientSampleId :

VF0523SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		126174		
83	93.5	67.3	100.9		
85	58.1	46.6	69.8		
99	65.3	49.7	74.5		

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#56

Ethyl methacrylate

Concen: 20.440 ug/l

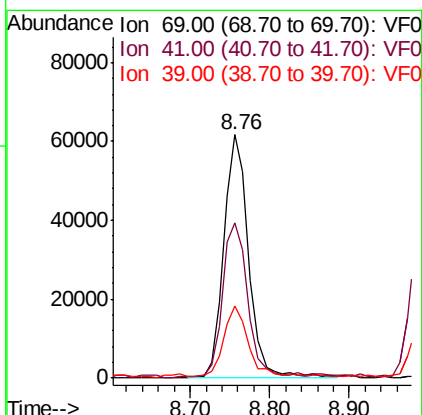
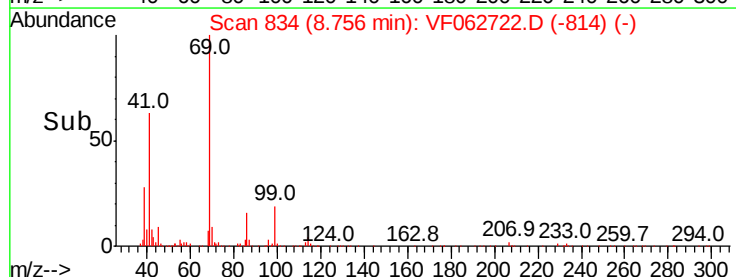
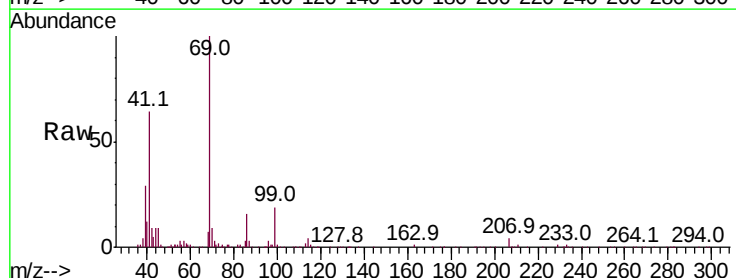
RT: 8.76 min Scan# 834

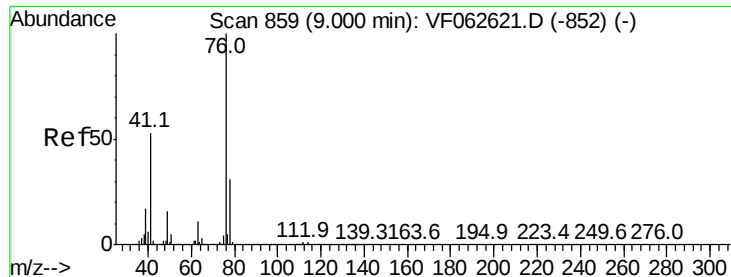
Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		135948		
41	63.8	51.4	77.2		
39	29.4	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 21.679 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062722.D

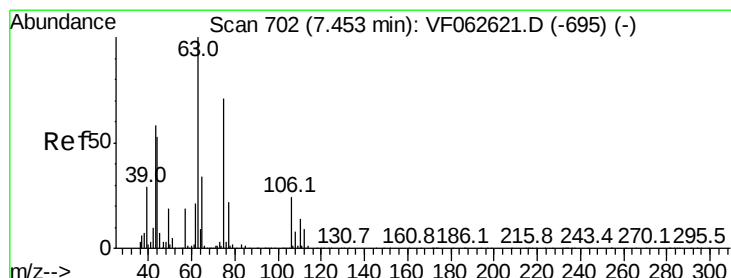
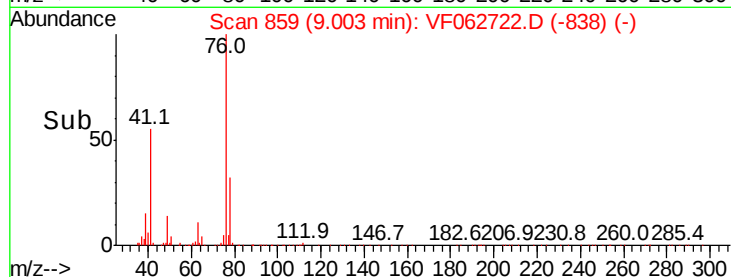
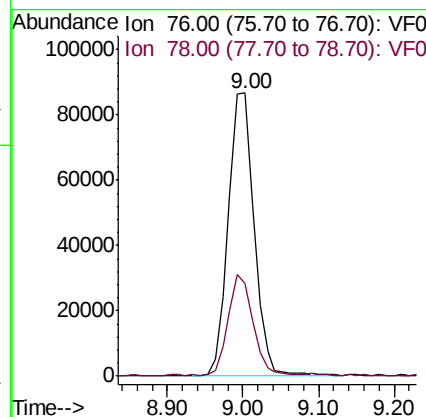
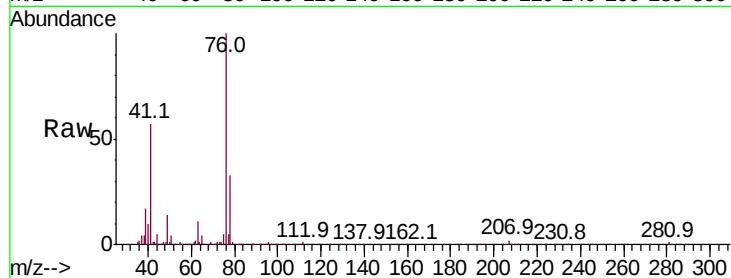
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.4	38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 93.960 ug/l

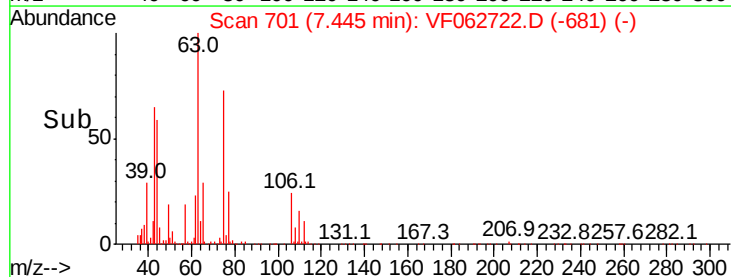
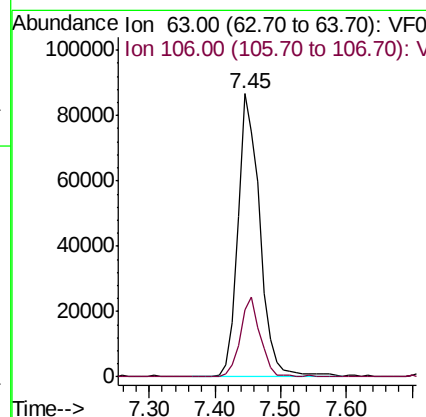
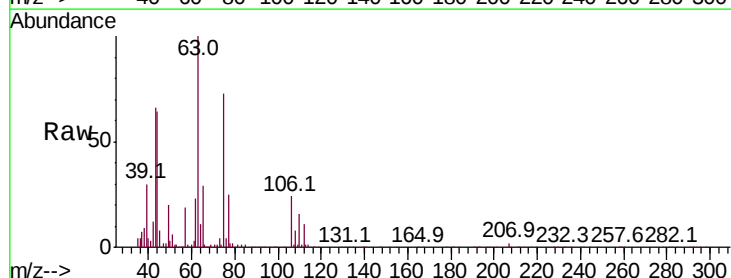
RT: 7.45 min Scan# 701

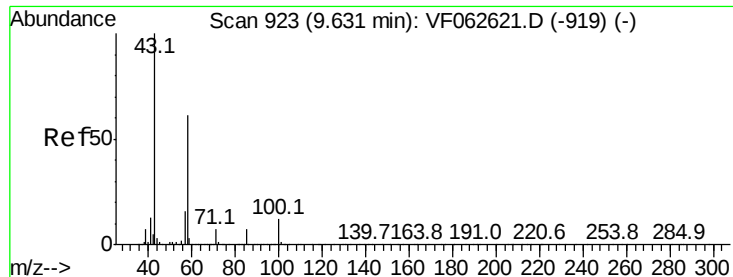
Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.6	19.1	28.7





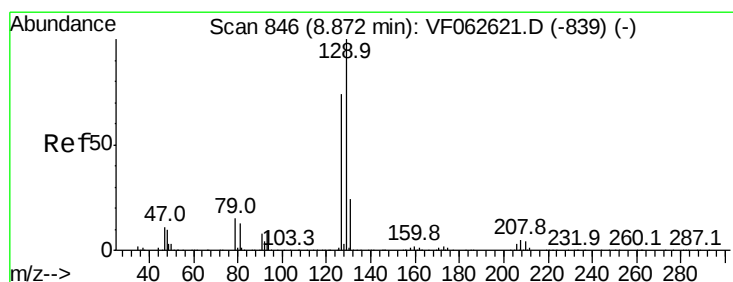
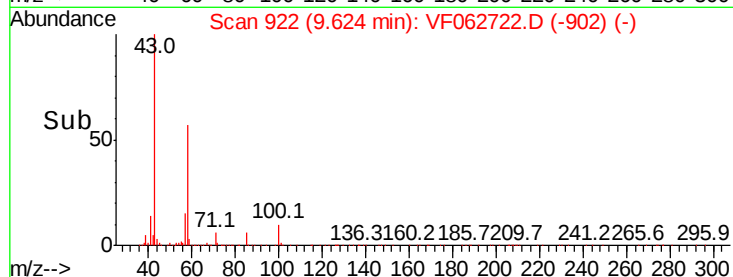
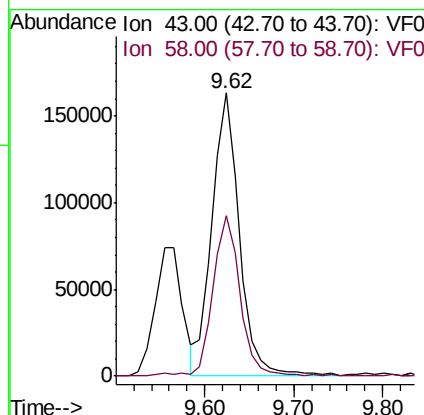
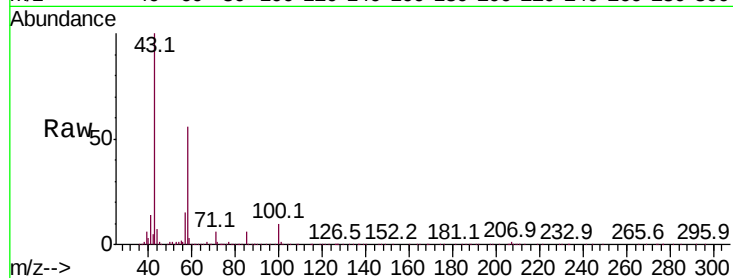
#59
2-Hexanone
Concen: 101.352 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.1	84.4

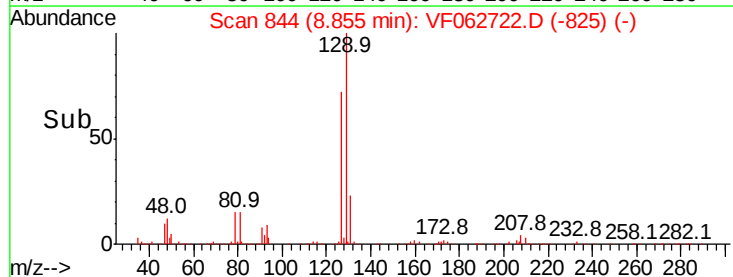
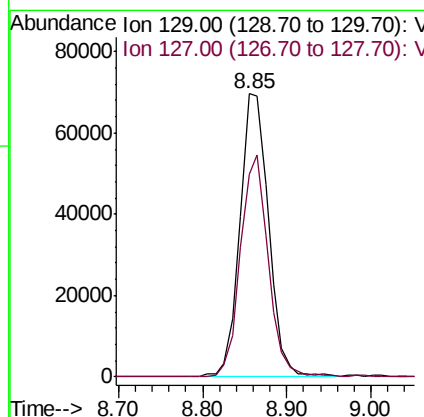
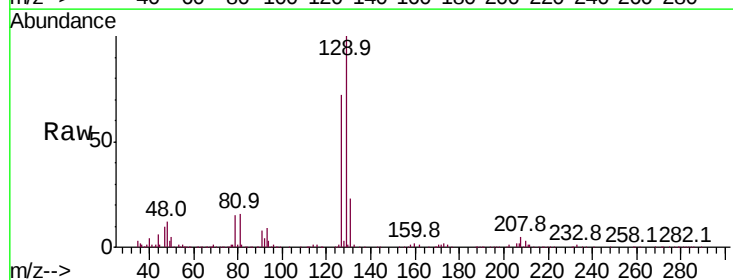
Manual Integrations
APPROVED

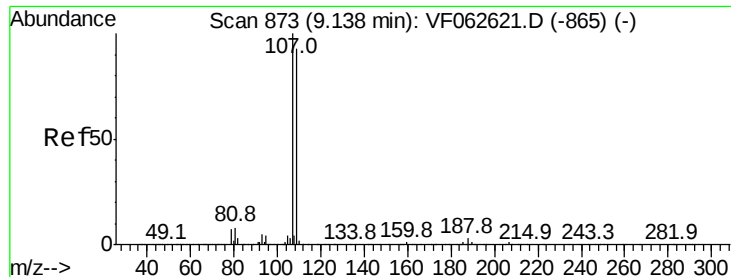
MMDadoda
5/24/2019 11:15:58 AM



#60
Dibromochloromethane
Concen: 22.821 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.8	37.2	111.6





#61

1,2-Dibromoethane

Concen: 22.892 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion:107 Resp: 135742

Ion Ratio Lower Upper

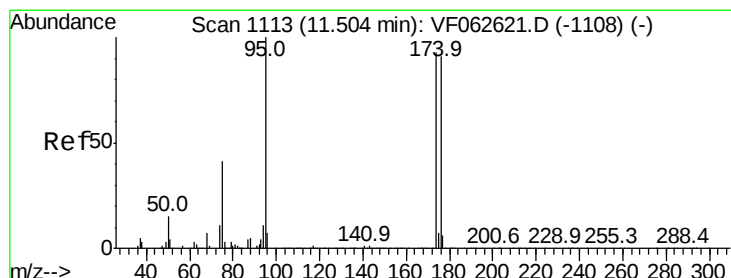
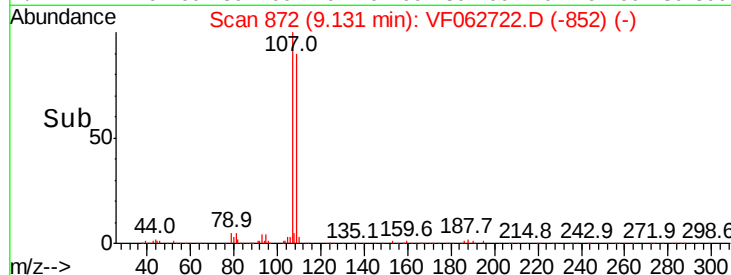
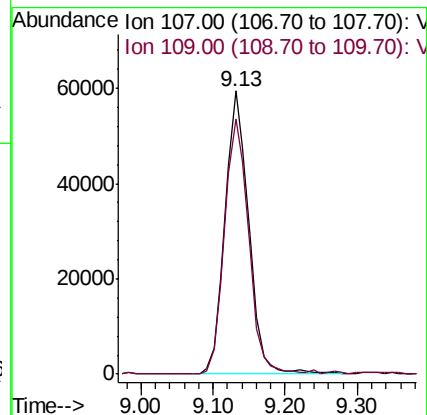
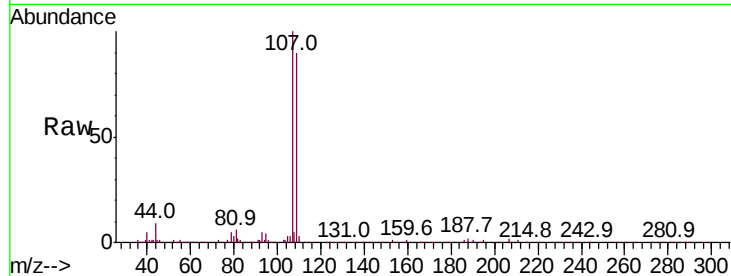
107 100

109 89.9 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 43.035 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

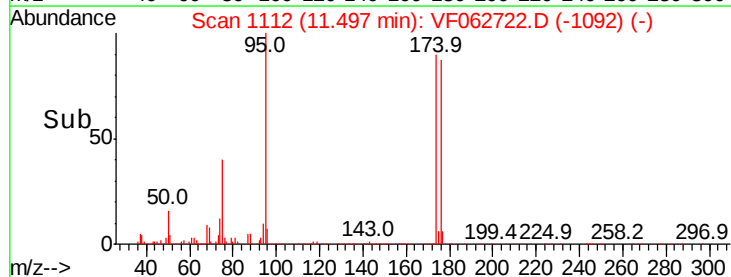
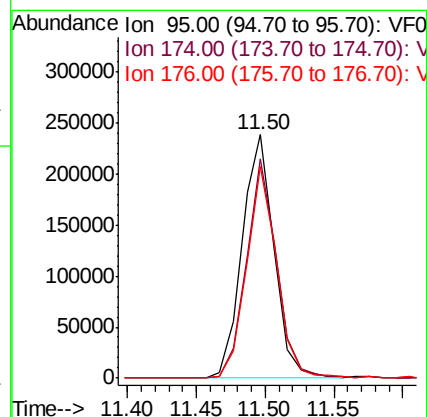
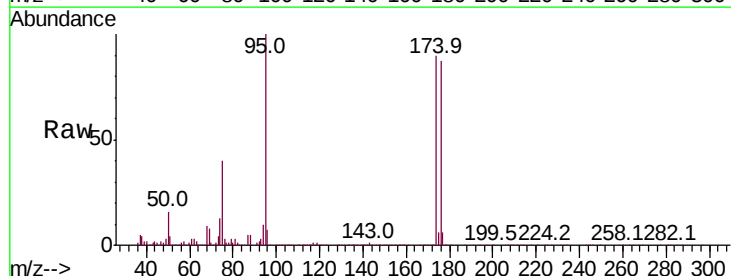
Tgt Ion: 95 Resp: 384053

Ion Ratio Lower Upper

95 100

174 90.1 0.0 185.6

176 87.1 0.0 182.4





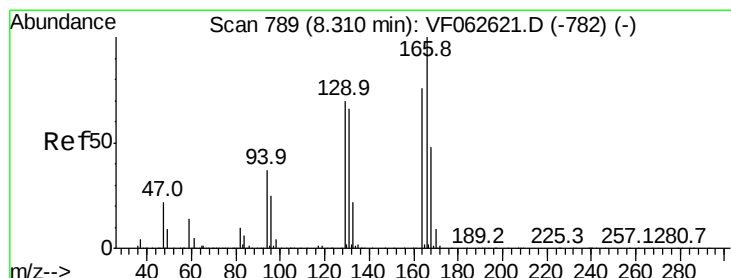
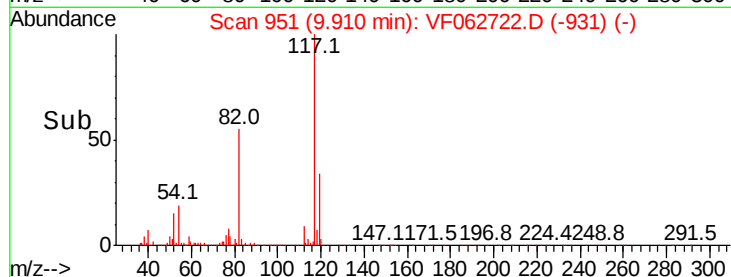
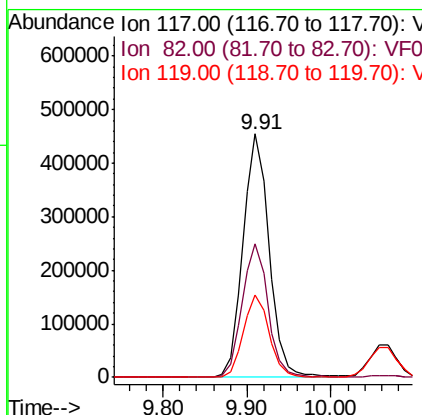
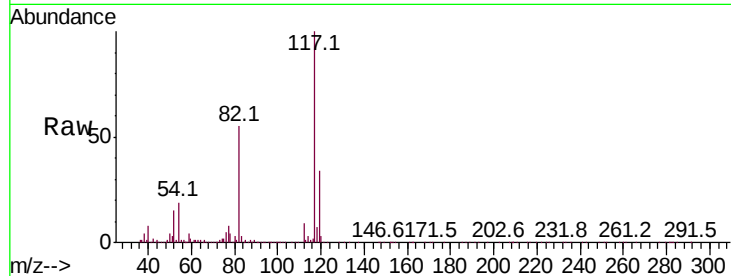
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.0	43.3	64.9	
119	34.1	27.4	41.0	

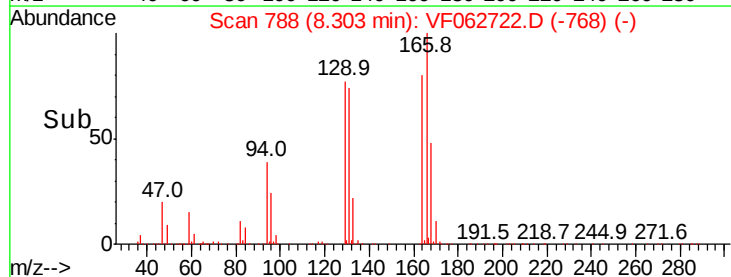
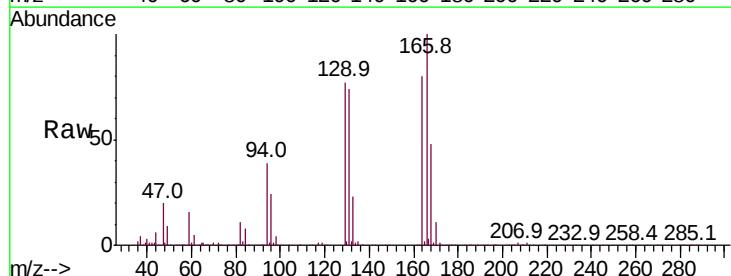
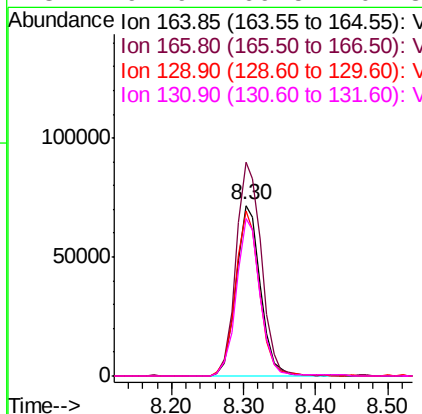
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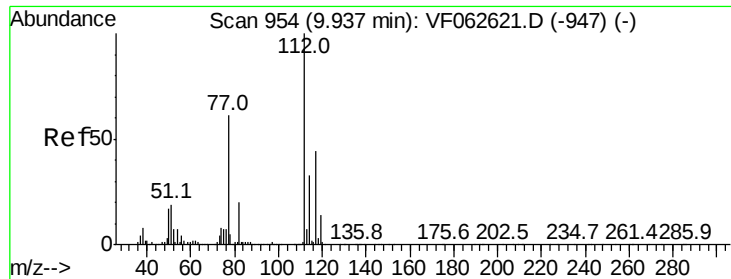
MMDadoda
5/24/2019 11:15:58 AM



#64
Tetrachloroethene
Concen: 21.673 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.0	105.5	158.3	
129	96.8	73.8	110.6	
131	91.9	69.5	104.3	





#65

Chlorobenzene

Concen: 21.992 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion:112 Resp: 425818

Ion Ratio Lower Upper

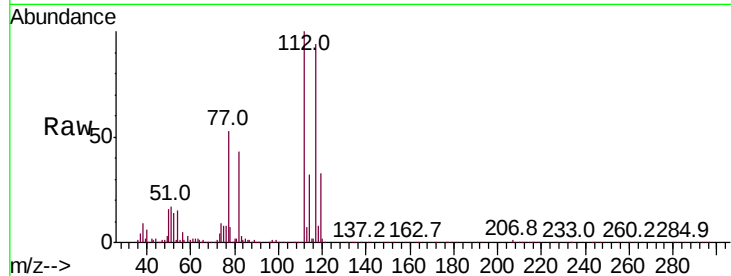
112 100

114 31.5 26.8 40.2

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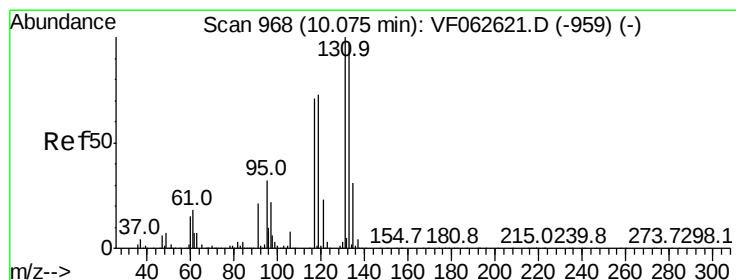
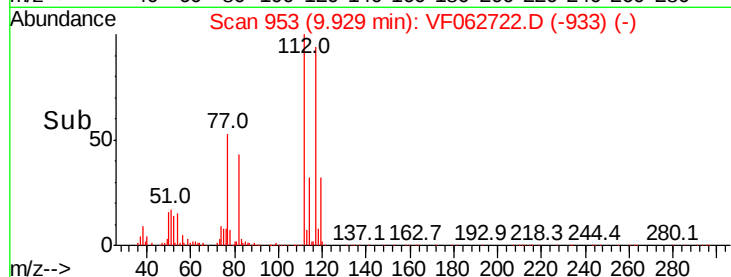
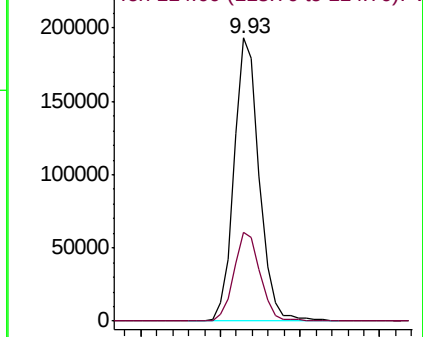
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.097 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

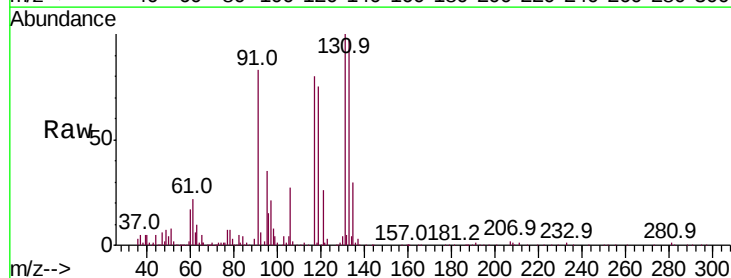
Tgt Ion:131 Resp: 179531

Ion Ratio Lower Upper

131 100

133 96.8 48.5 145.5

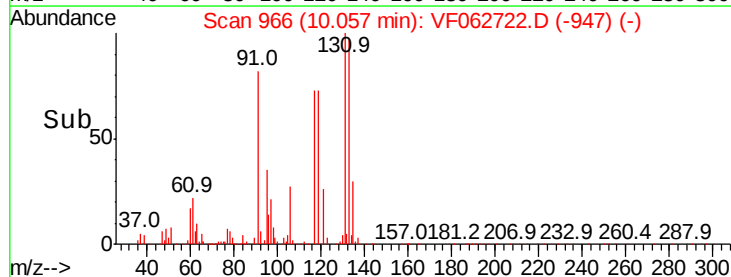
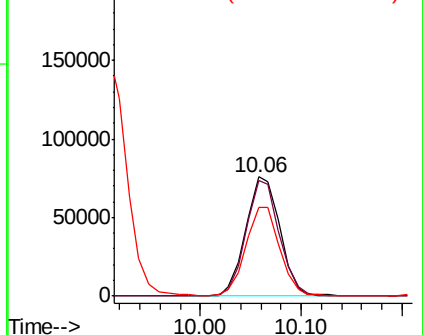
119 74.8 36.8 110.4

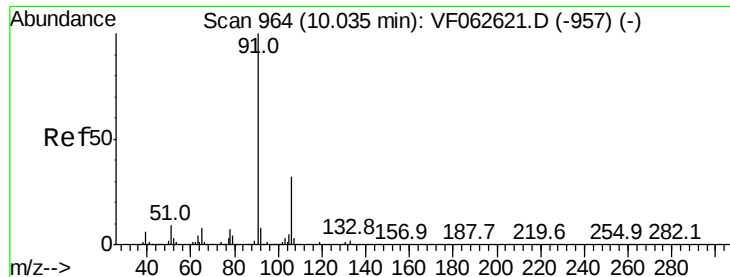


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.655 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 91 Resp: 762035

Ion Ratio Lower Upper

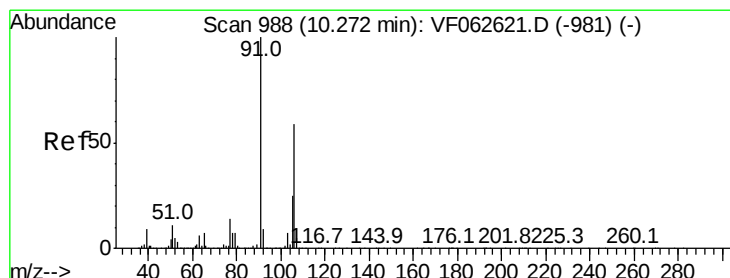
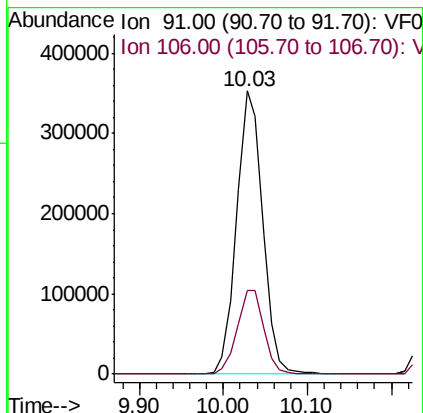
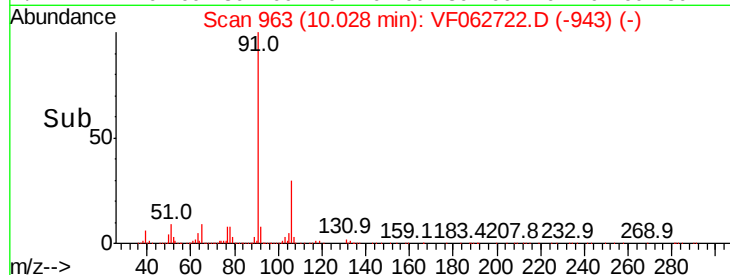
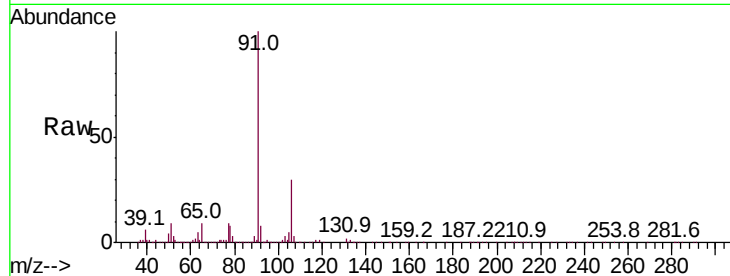
91 100

106 29.7 25.8 38.8

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#68

m/p-Xylenes

Concen: 46.942 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF062722.D

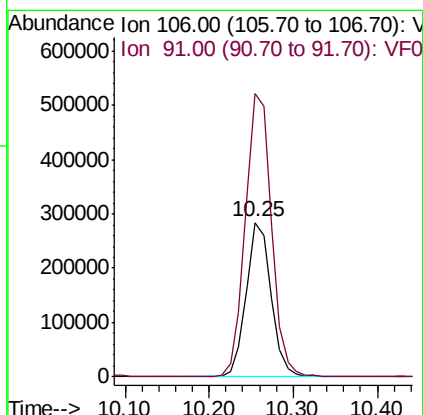
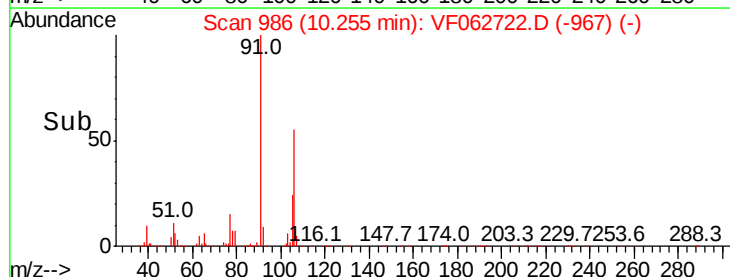
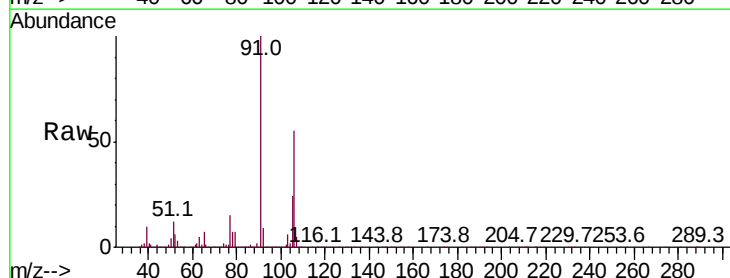
Acq: 23 May 2019 13:05

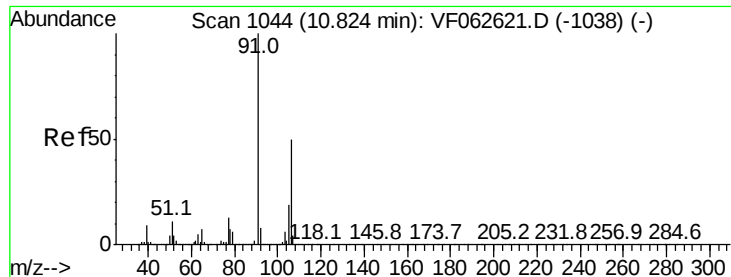
Tgt Ion: 106 Resp: 593446

Ion Ratio Lower Upper

106 100

91 183.0 136.9 205.3





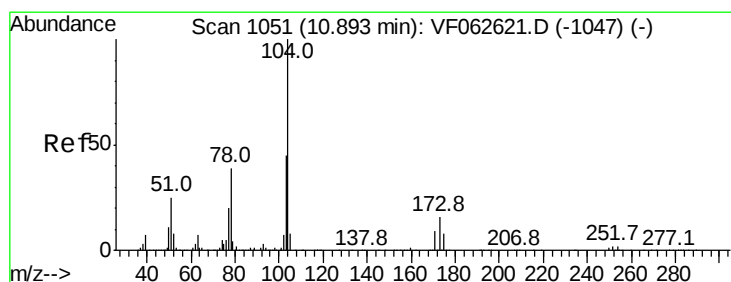
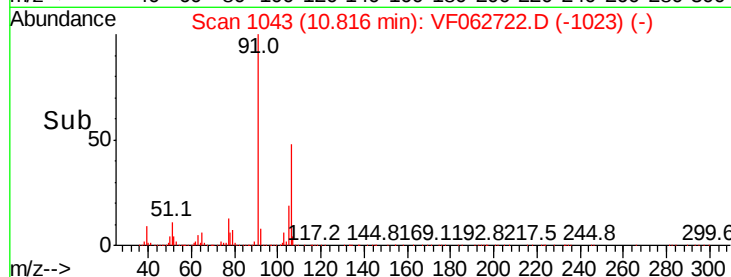
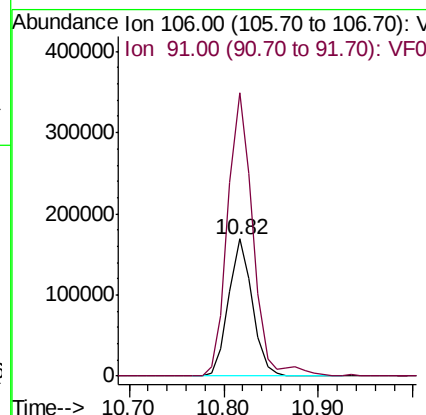
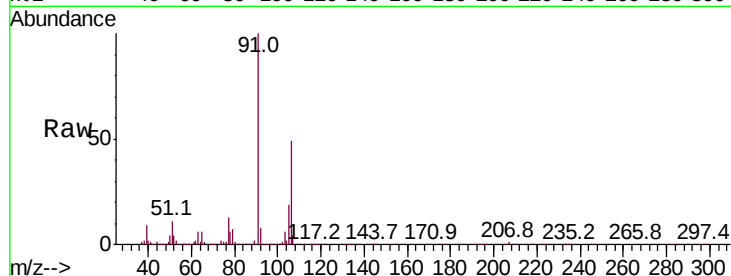
#69
o-Xylene
Concen: 22.838 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.1	100.2	300.5

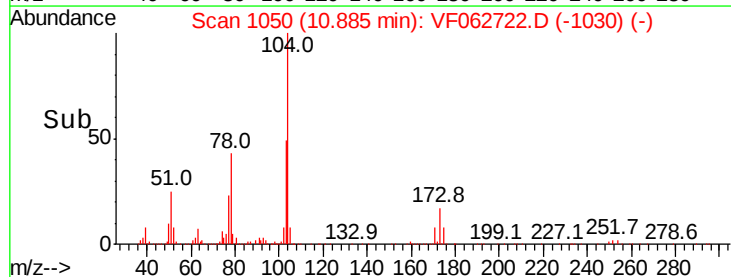
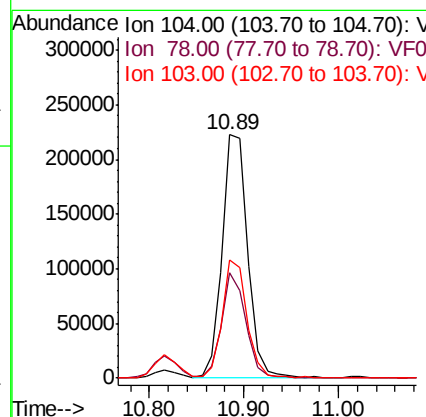
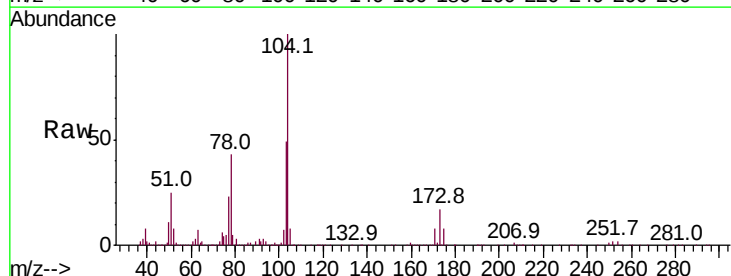
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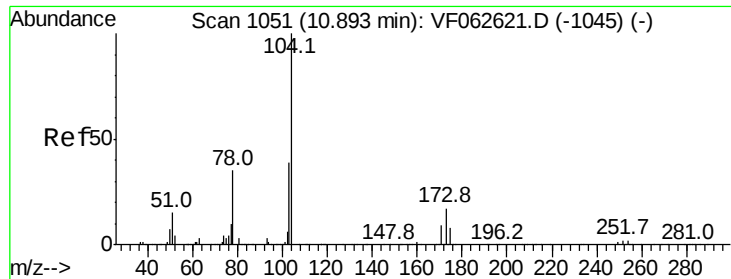
MMDadoda
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#70
Styrene
Concen: 20.993 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.0	31.9	47.9
103	48.7	36.1	54.1





#71

Bromoform

Concen: 21.578 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

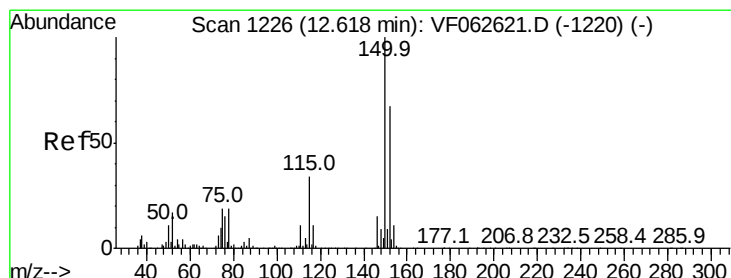
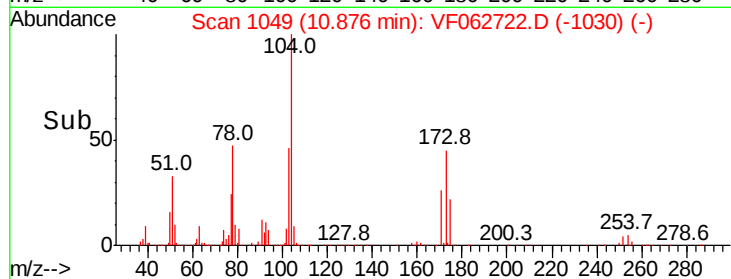
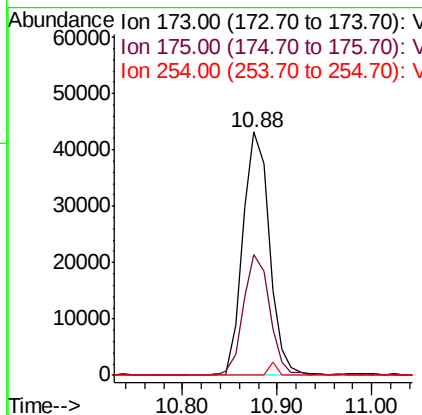
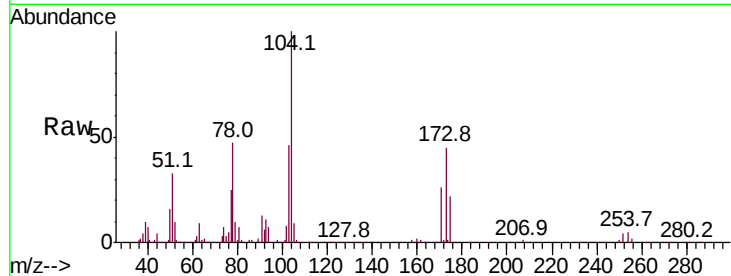
ClientSampleId :

VF0523SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	25.3	75.9
254	0.0	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

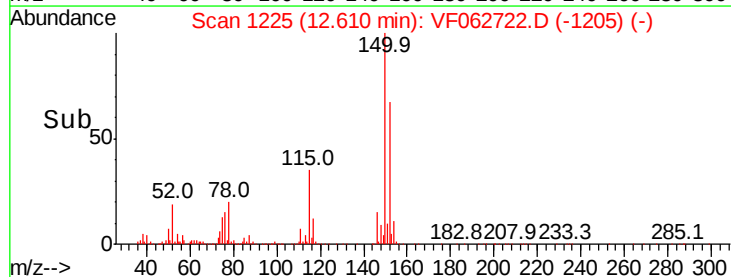
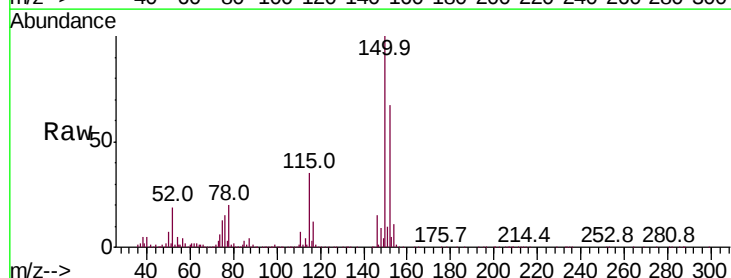
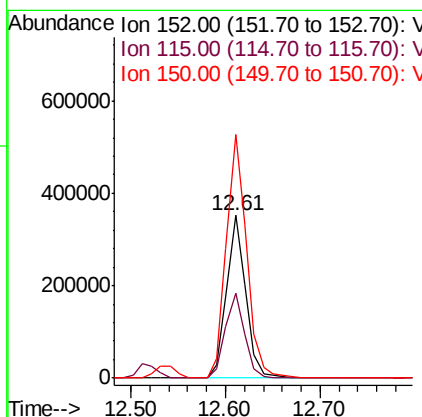
RT: 12.61 min Scan# 1225

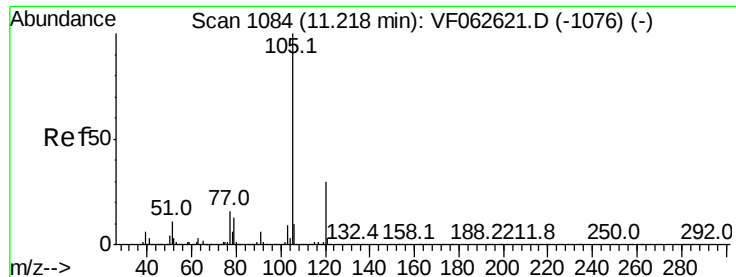
Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.9	25.2	75.6
150	149.6	0.0	306.2





#73

Isopropylbenzene

Concen: 22.309 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion:105 Resp: 789121

Ion Ratio Lower Upper

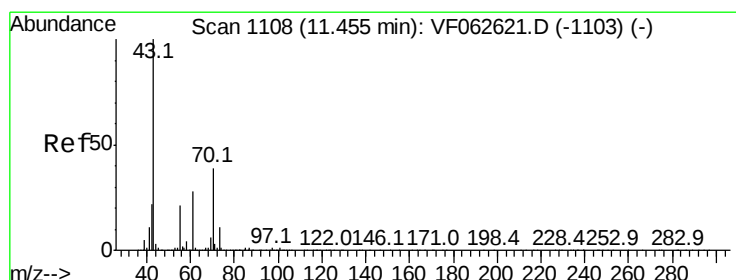
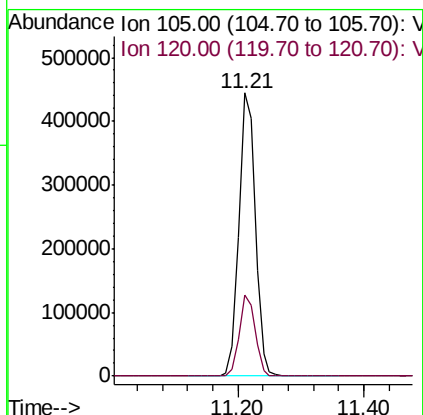
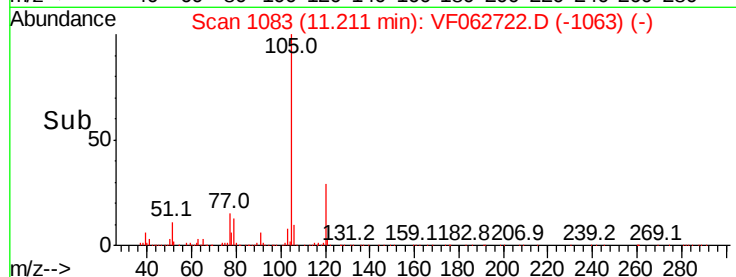
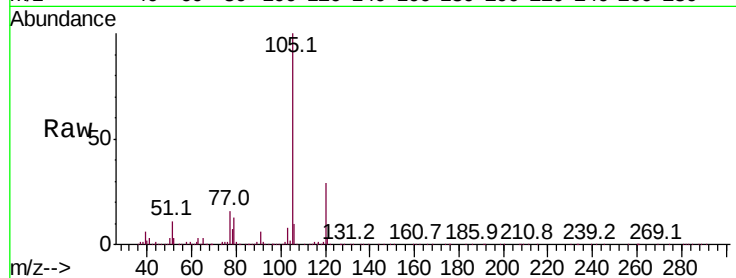
105 100

120 28.6 14.8 44.4

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#74

N-ethyl acetate

Concen: 19.189 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion: 43 Resp: 202626

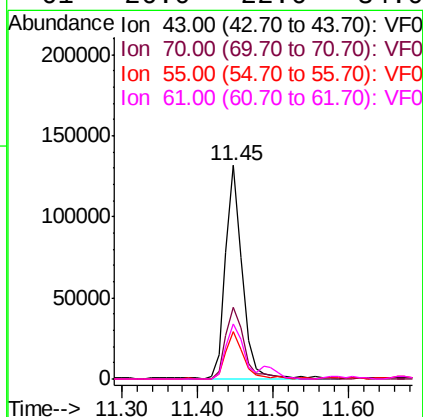
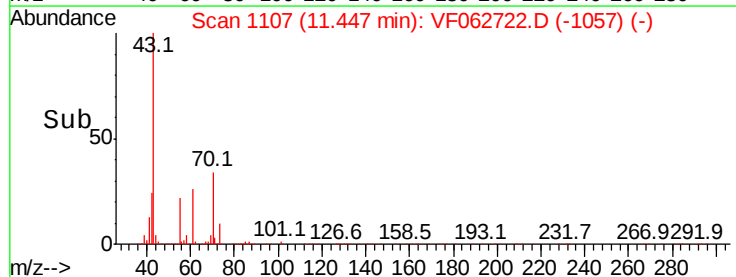
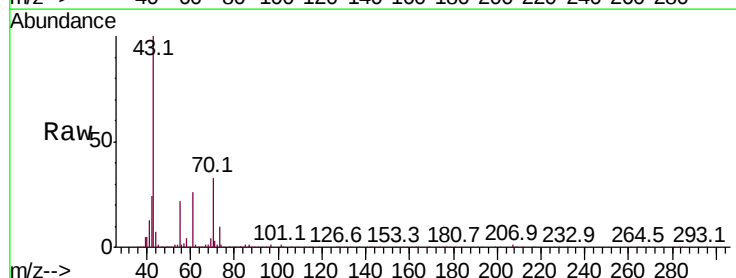
Ion Ratio Lower Upper

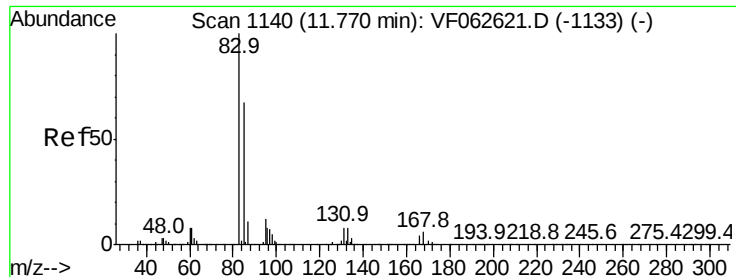
43 100

70 33.4 30.9 46.3

55 22.0 17.0 25.4

61 26.0 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.587 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 83 Resp: 163272

Ion Ratio Lower Upper

83 100

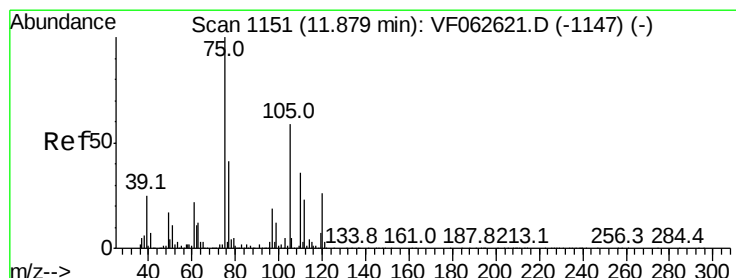
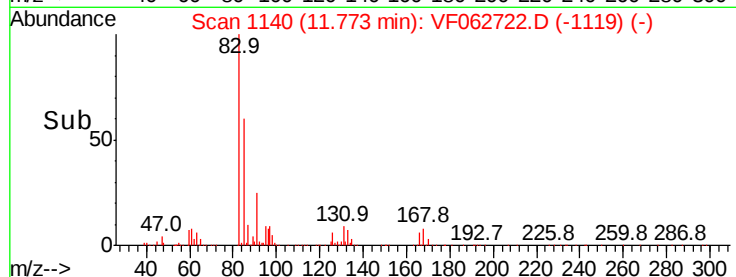
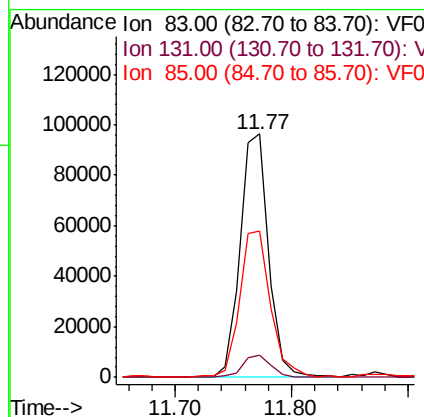
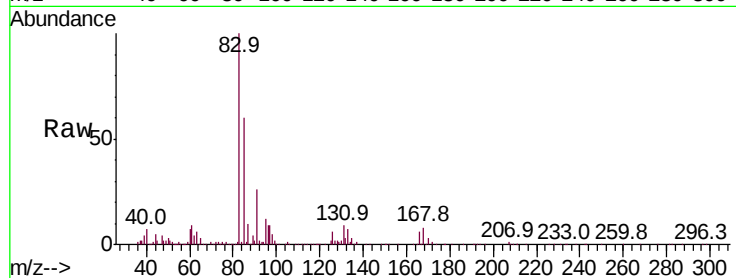
131 9.3 4.0 12.0

85 60.3 33.5 100.5

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#76

1,2,3-Trichloropropane

Concen: 21.875 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062722.D

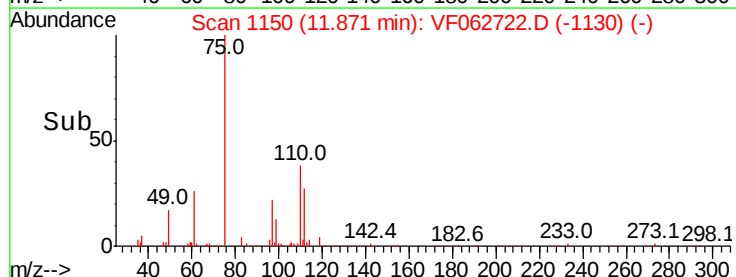
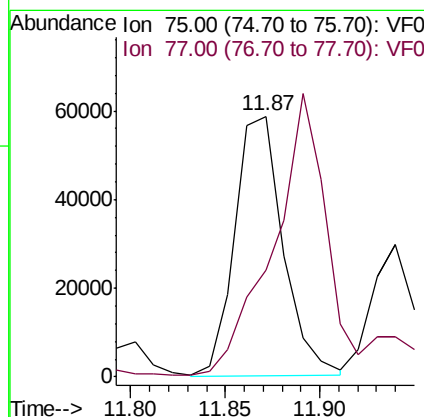
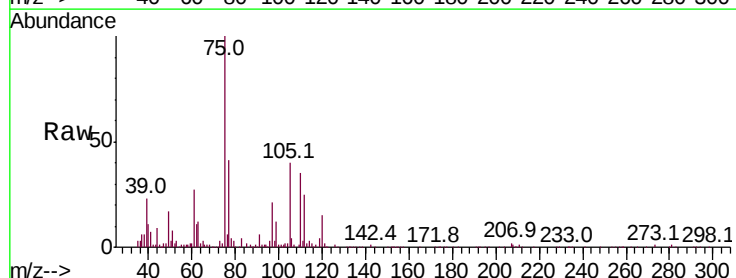
Acq: 23 May 2019 13:05

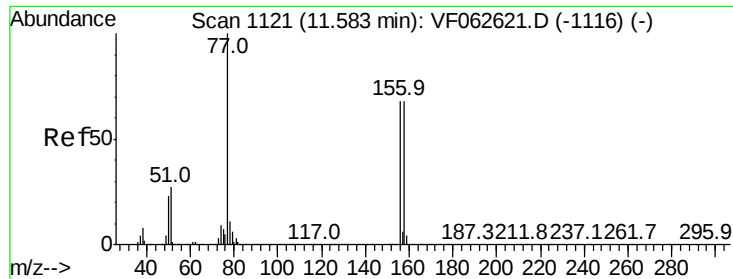
Tgt Ion: 75 Resp: 103901

Ion Ratio Lower Upper

75 100

77 41.2 20.6 61.8





#77

Bromobenzene

Concen: 21.013 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

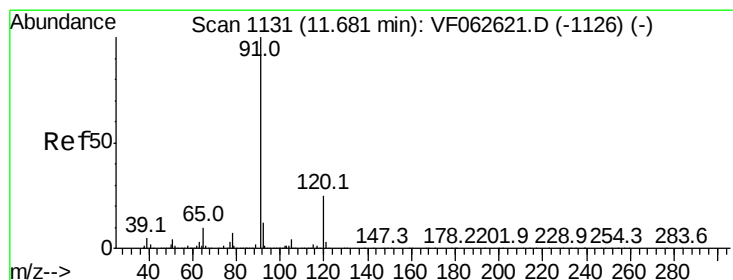
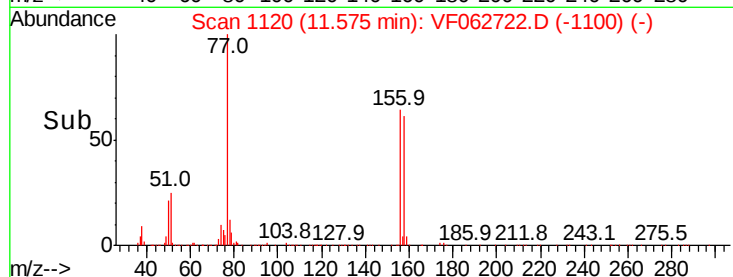
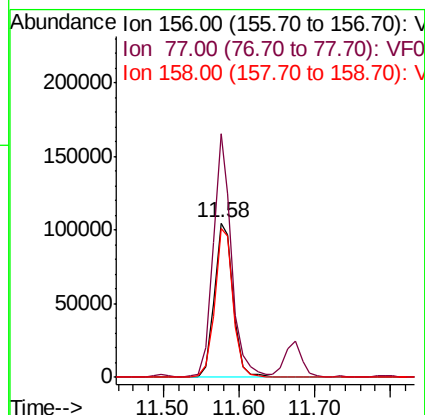
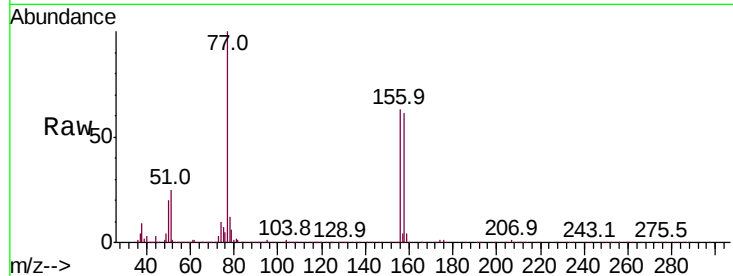
ClientSampleId :

VF0523SBS01

Tot Ion:	156	Resp:	184749
Ion Ratio	Lower	Upper	
156	100		
77	157.5	73.6	220.8
158	96.1	49.6	148.8

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#78

n-propylbenzene

Concen: 22.930 ug/l

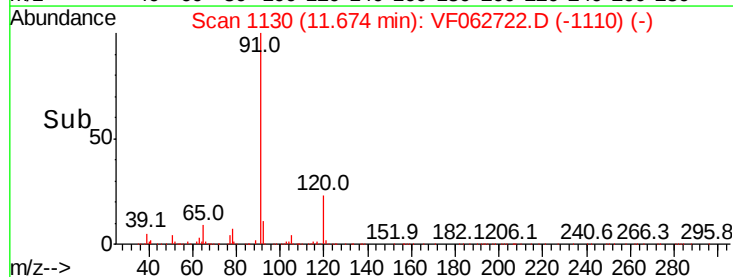
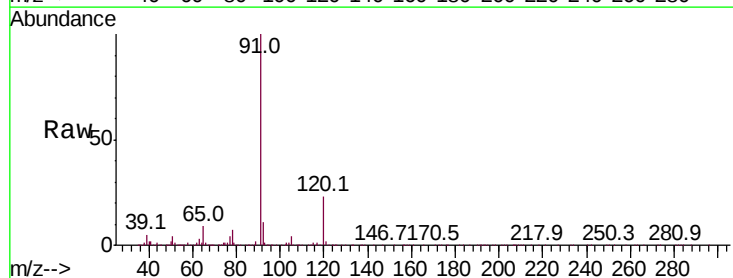
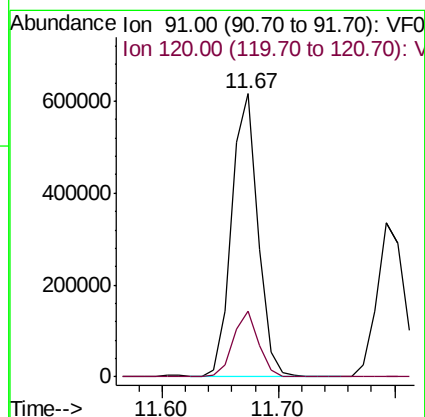
RT: 11.67 min Scan# 1130

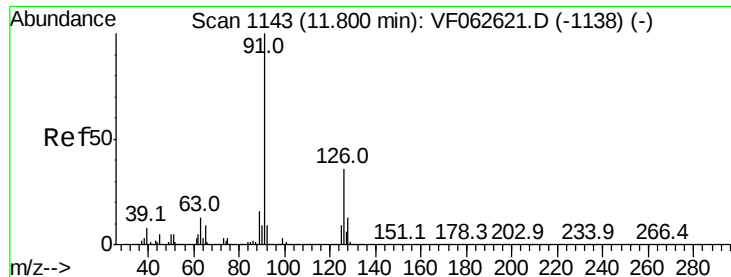
Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion:	91	Resp:	959876
Ion Ratio	Lower	Upper	
91	100		
120	23.1	12.7	38.1





#79

2-Chlorotoluene

Concen: 22.739 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 91 Resp: 536449

Ion Ratio Lower Upper

91 100

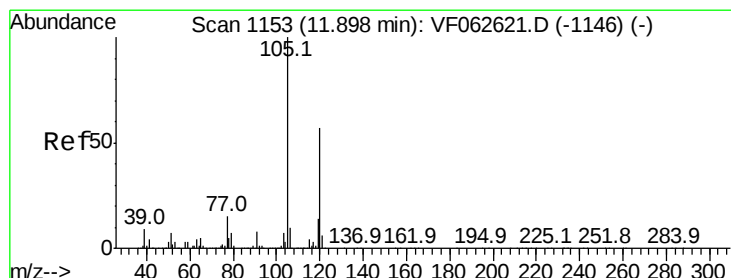
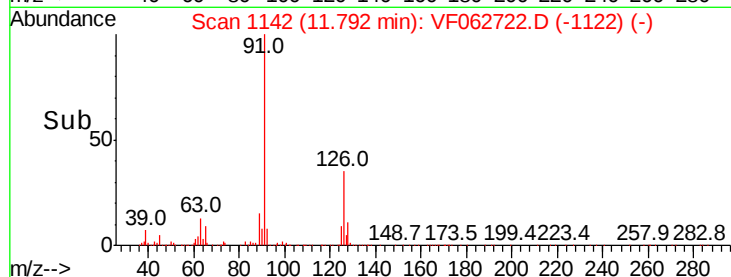
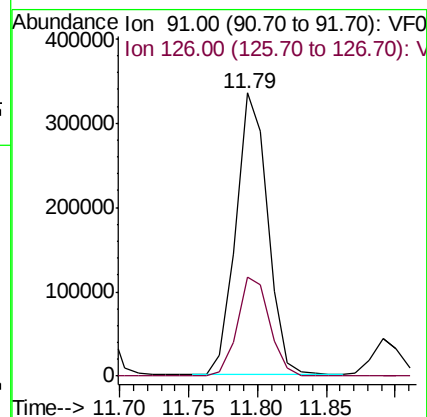
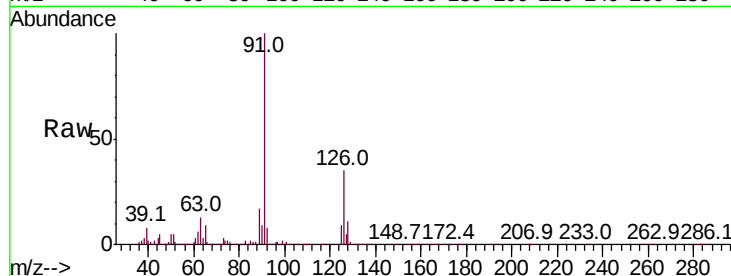
126 34.8 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 23.448 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062722.D

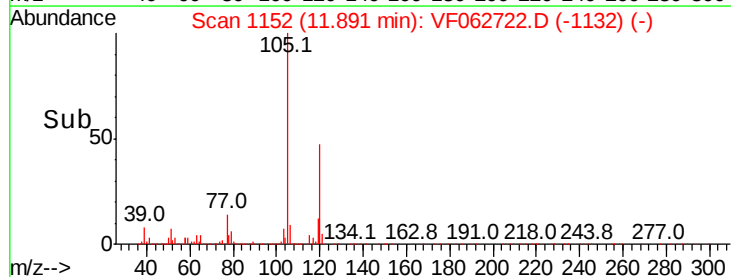
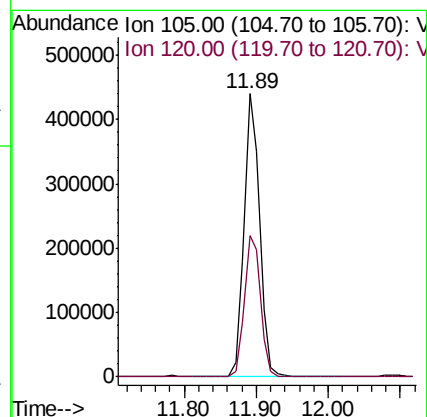
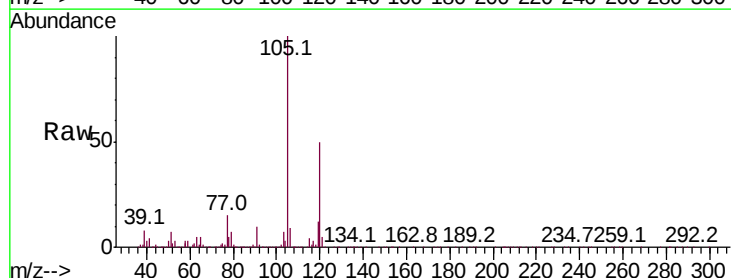
Acq: 23 May 2019 13:05

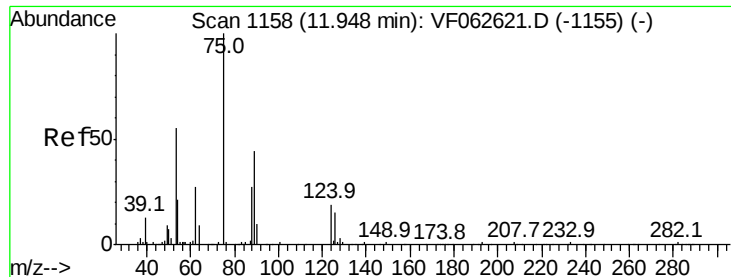
Tgt Ion: 105 Resp: 665055

Ion Ratio Lower Upper

105 100

120 49.9 28.7 86.3





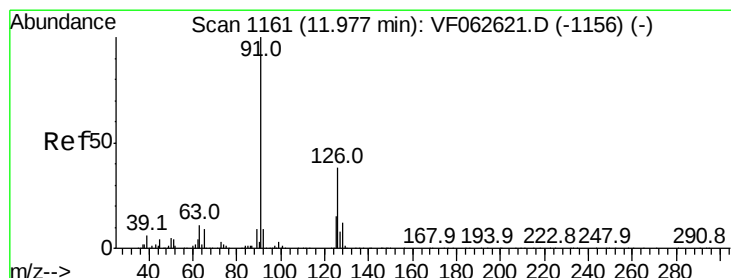
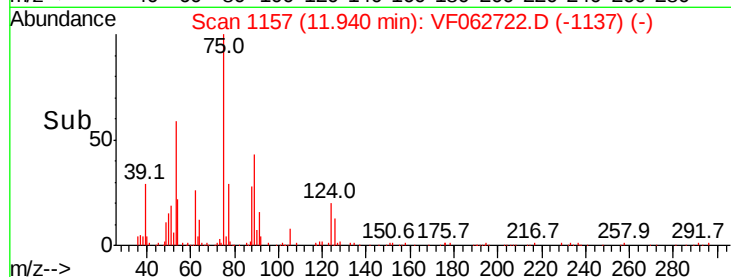
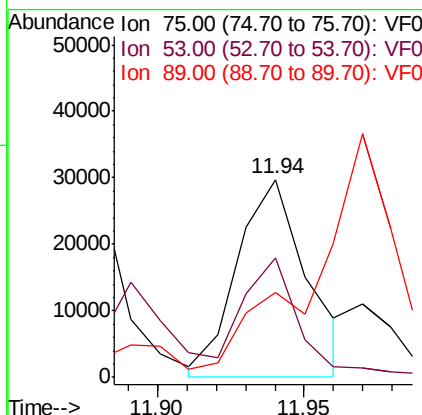
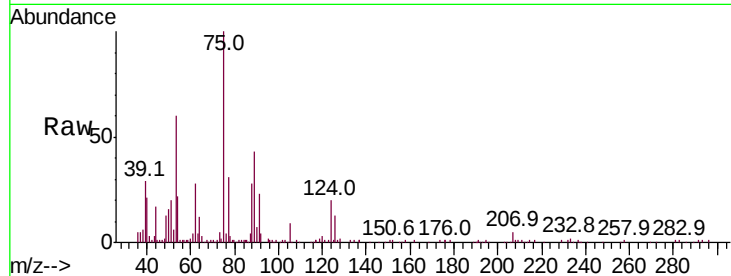
#81
trans-1,4-Dichloro-2-butene
Concen: 23.179 ug/l m
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	60.1	46.9	70.3
89	43.1	36.4	54.6

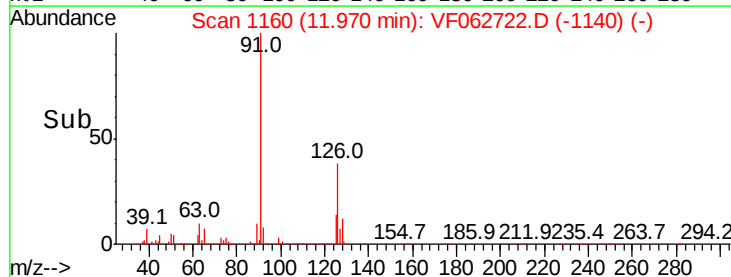
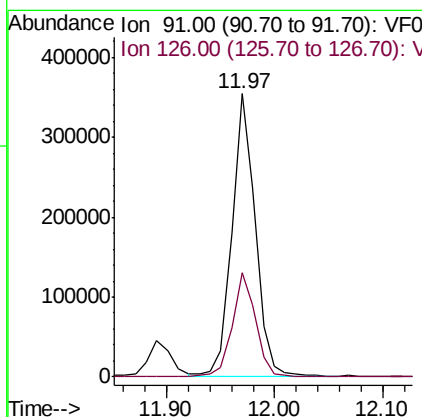
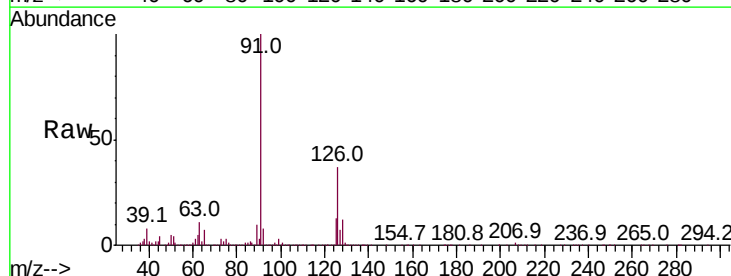
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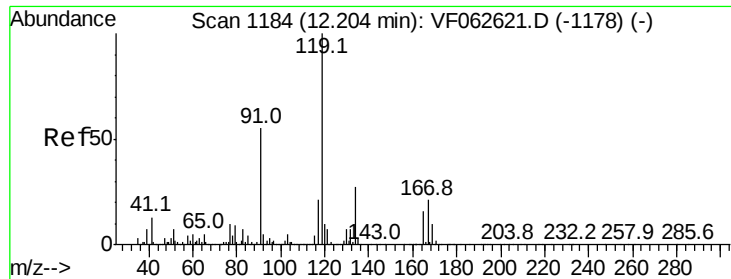
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#82
4-Chlorotoluene
Concen: 22.759 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	19.1	57.1





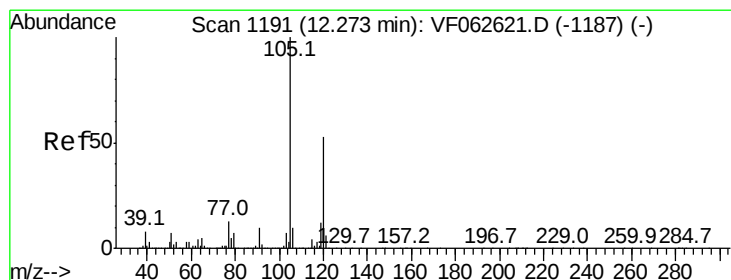
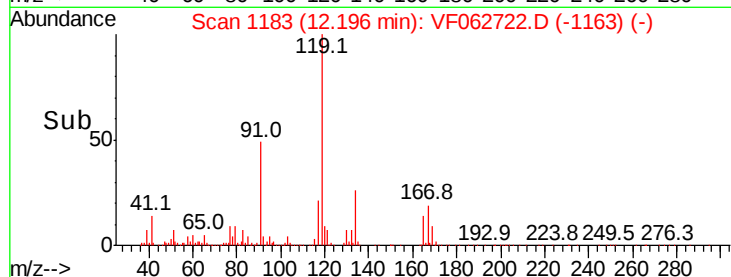
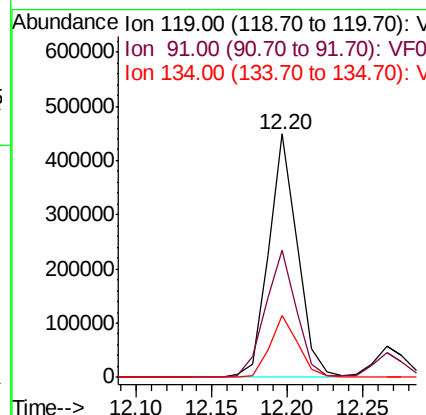
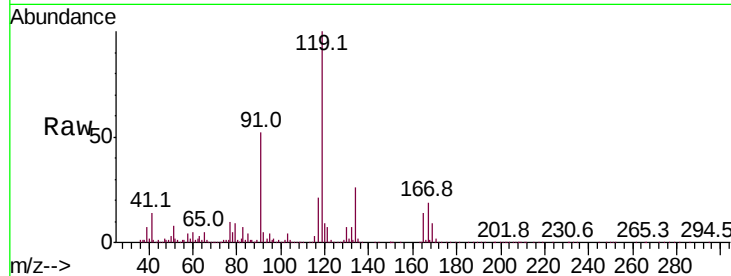
#83
tert-Butylbenzene
Concen: 20.794 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	598348		
91	52.0	27.3	81.9	
134	25.6	13.6	40.7	

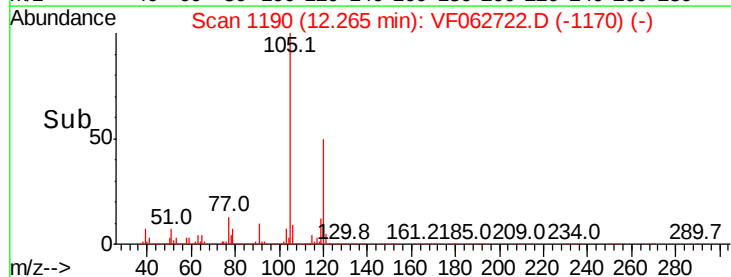
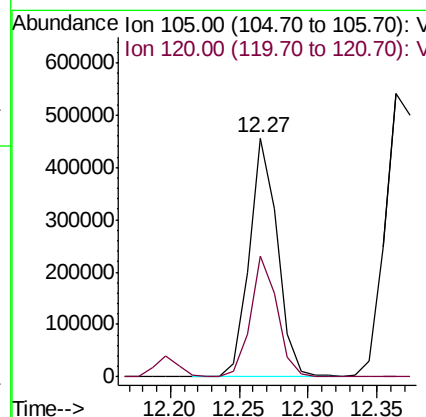
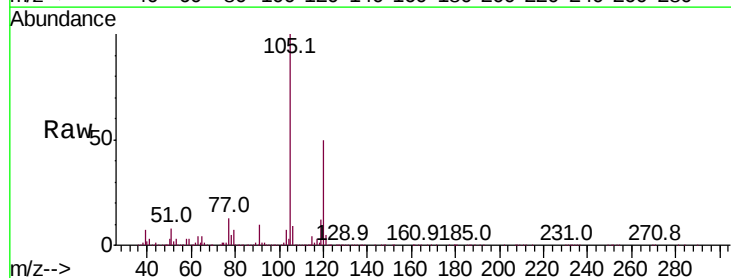
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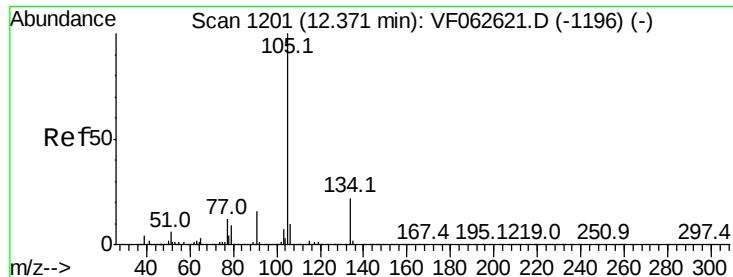
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#84
1,2,4-Trimethylbenzene
Concen: 23.753 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	652059		
120	50.4	26.7	80.1	





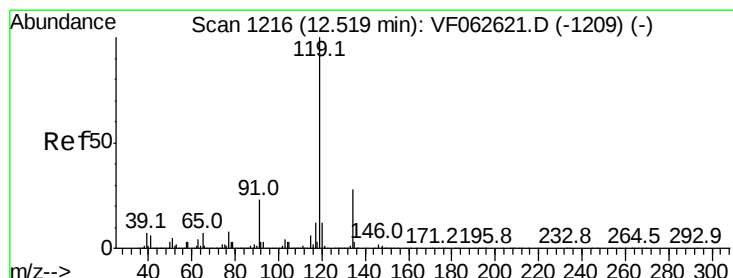
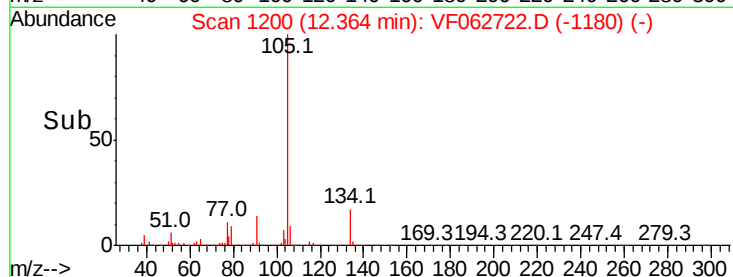
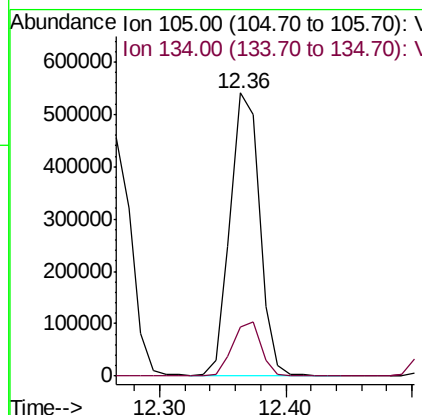
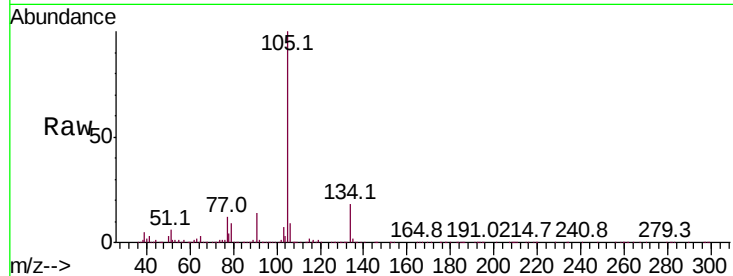
#85
 sec-Butylbenzene
 Concen: 22.564 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.6	10.8	32.4

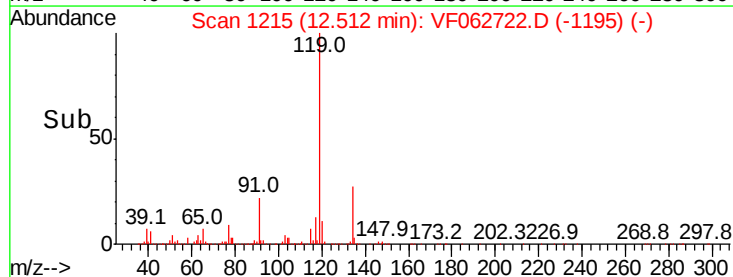
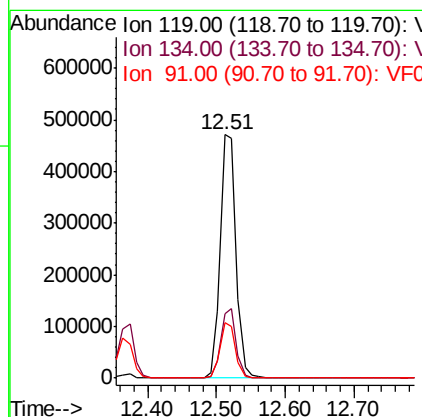
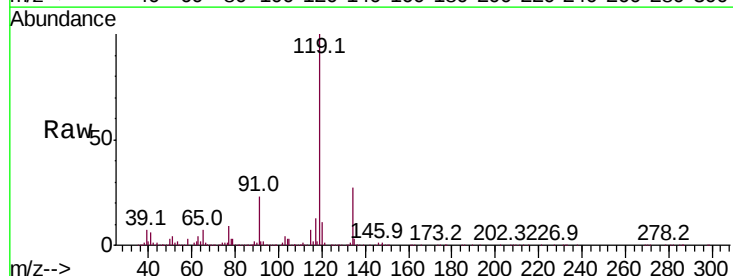
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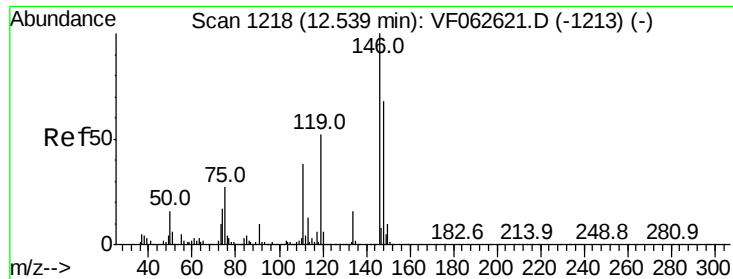
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#86
 p-Isopropyltoluene
 Concen: 22.926 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	14.1	42.3
91	22.6	11.4	34.2





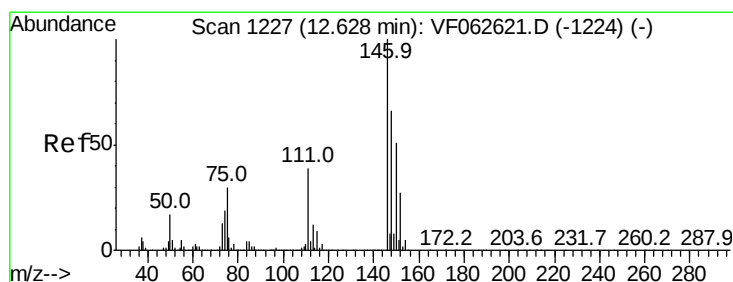
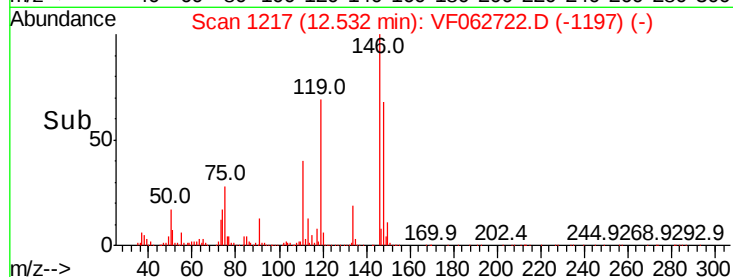
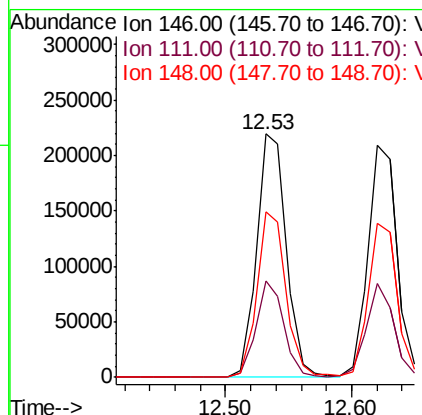
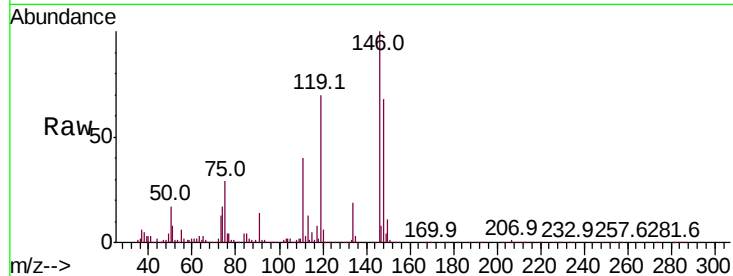
#87
 1,3-Dichlorobenzene
 Concen: 22.661 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.9
148	68.0	34.0	101.8

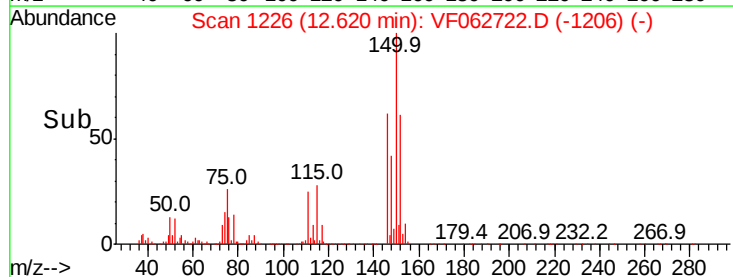
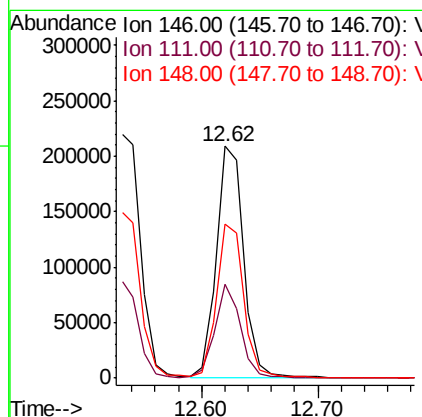
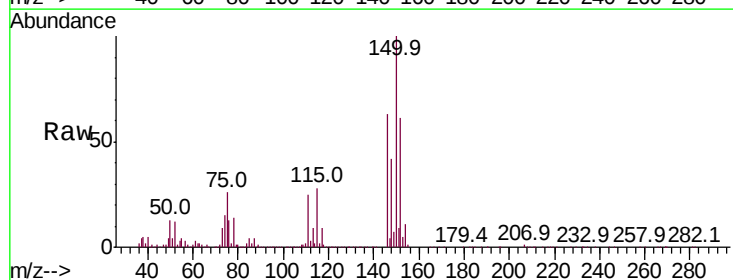
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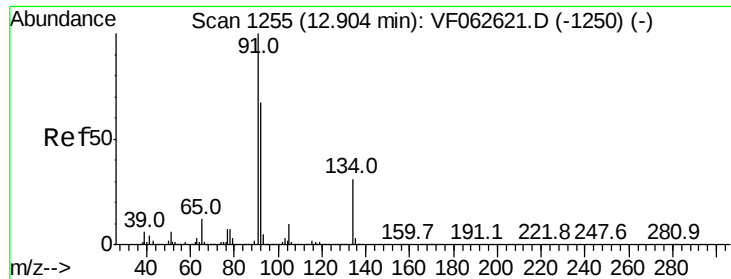
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#88
 1,4-Dichlorobenzene
 Concen: 22.711 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.4	58.2
148	66.7	33.2	99.6





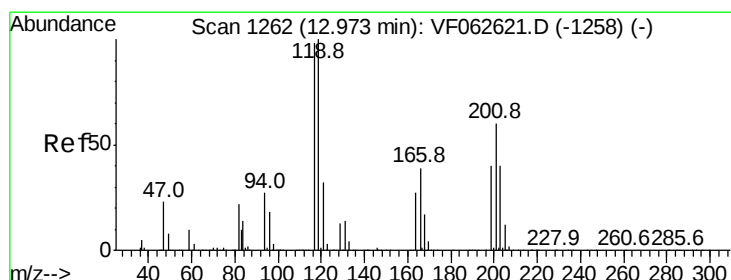
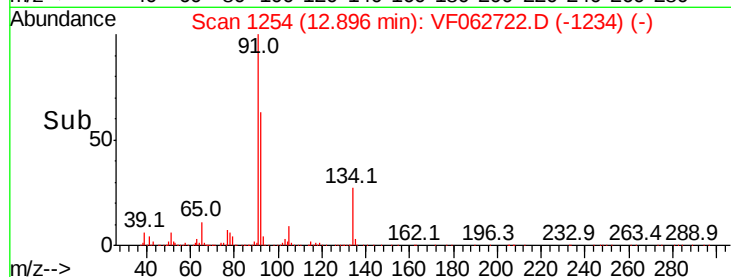
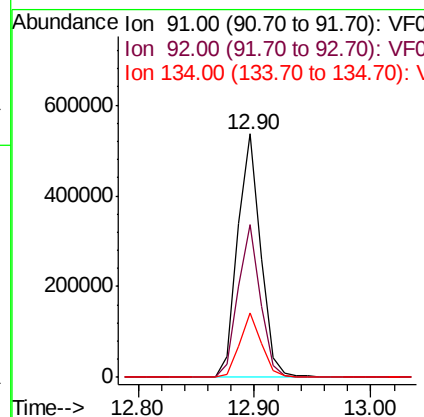
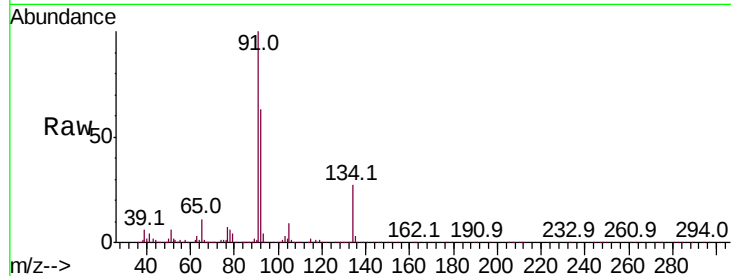
#89
n-Butylbenzene
Concen: 22.917 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	735366		
92	62.6		33.3	99.8
134	26.7		15.4	46.4

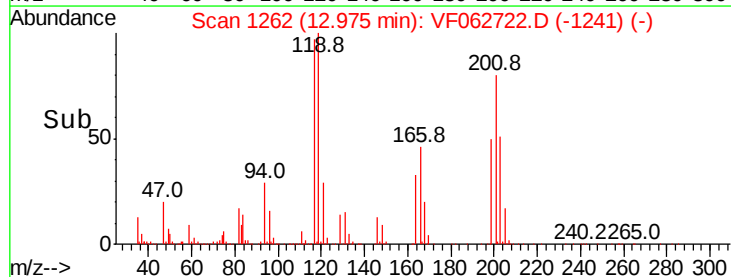
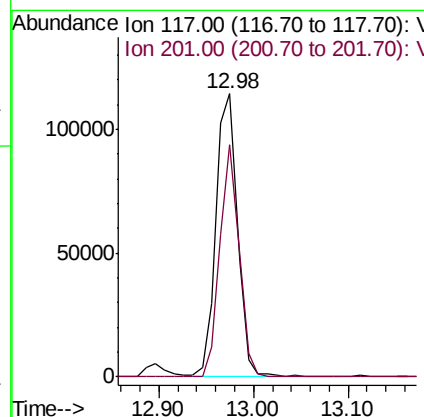
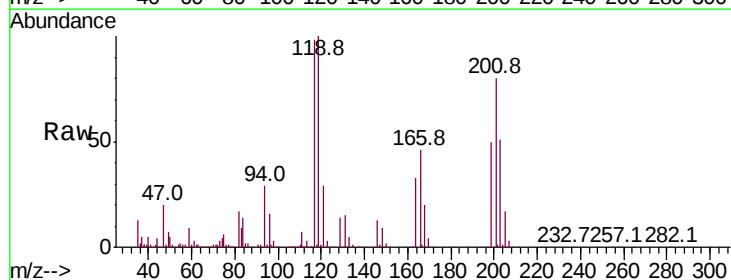
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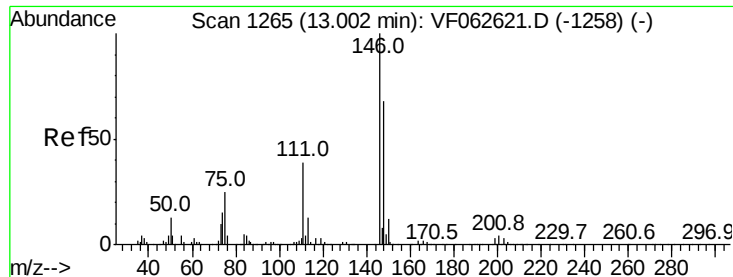
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#90
Hexachloroethane
Concen: 23.259 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	181588		
201	83.6		30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 21.954 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

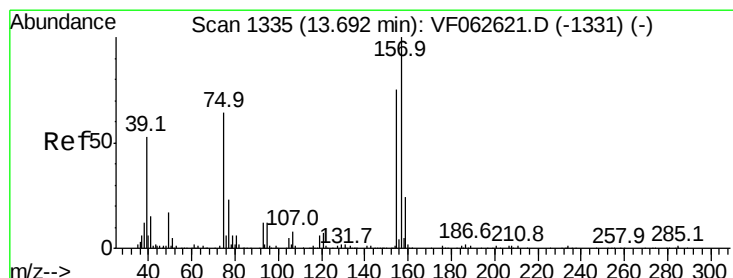
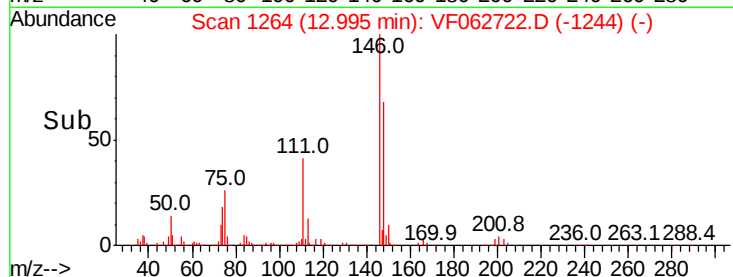
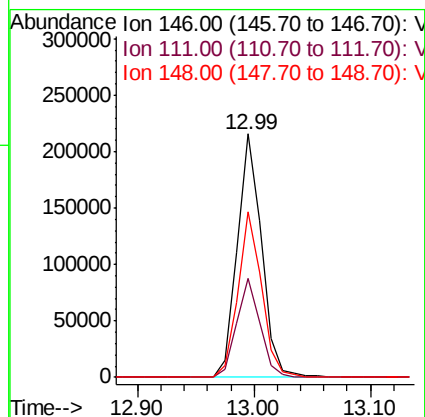
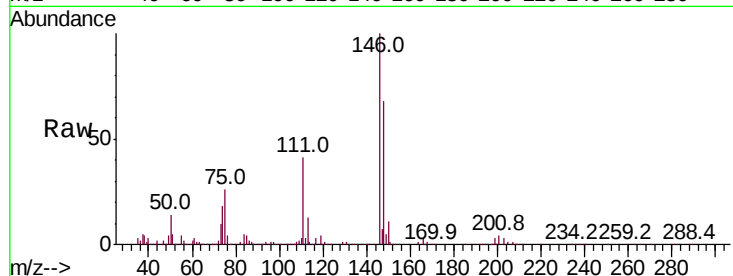
ClientSampleId :

VF0523SBS01

Tot Ion:	146	Resp:	311297
Ion Ratio	Lower	Upper	
146	100		
111	40.7	19.8	59.3
148	67.8	34.1	102.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 24.465 ug/l

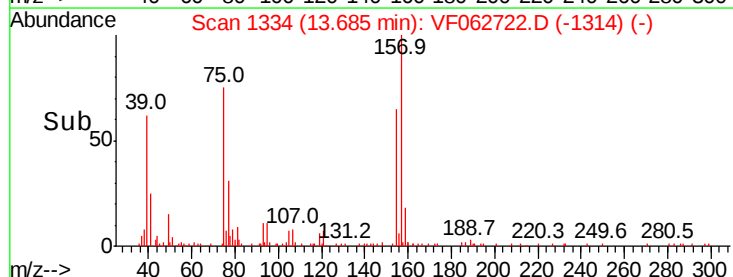
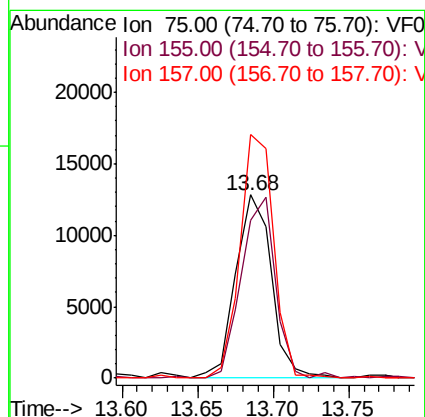
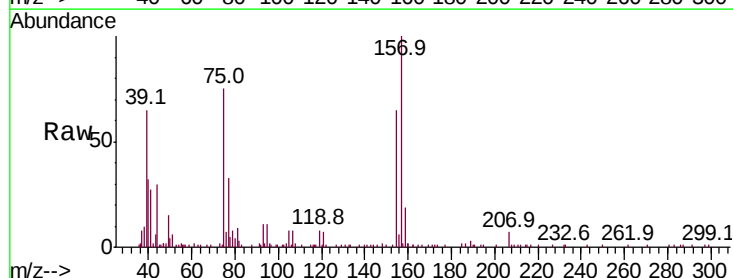
RT: 13.68 min Scan# 1334

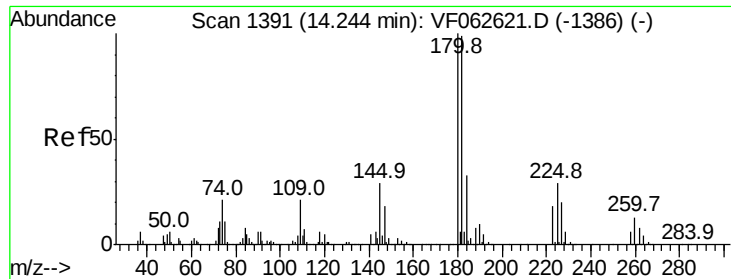
Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion:	75	Resp:	21098
Ion Ratio	Lower	Upper	
75	100		
155	86.3	58.1	174.3
157	135.6	77.8	233.4





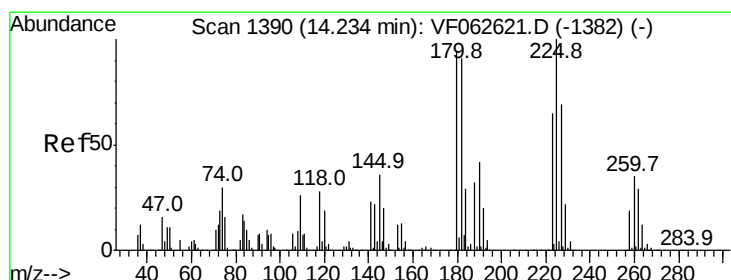
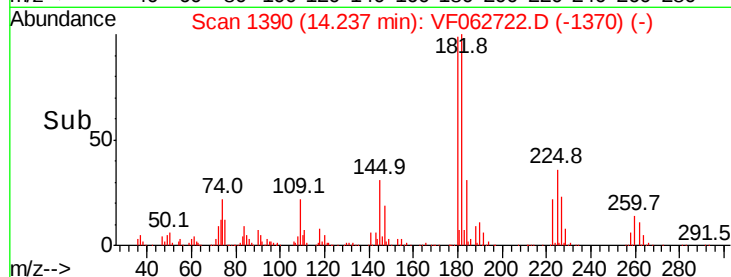
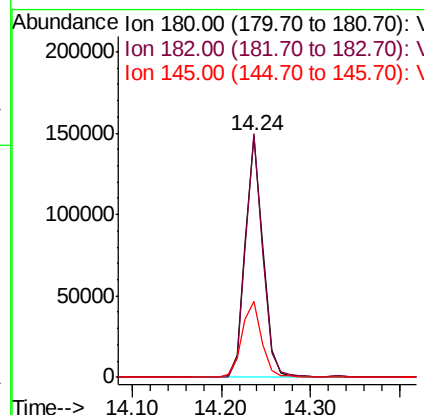
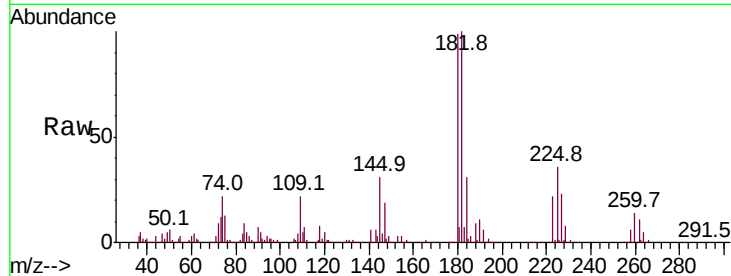
#93
1,2,4-Trichlorobenzene
Concen: 20.314 ug/l
RT: 14.24 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	206182		
182	100.8	49.7	149.1	
145	31.3	14.6	44.0	

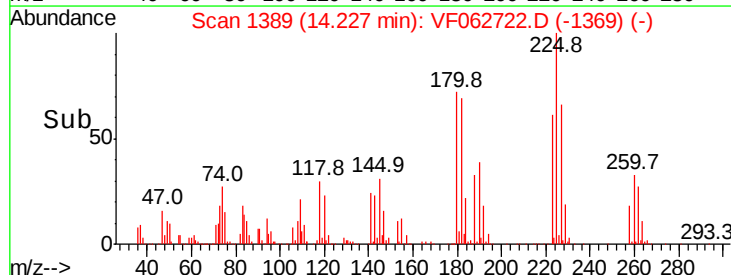
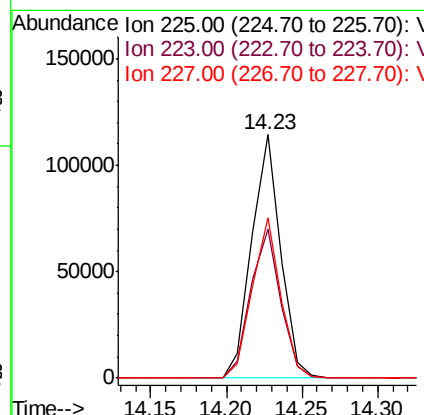
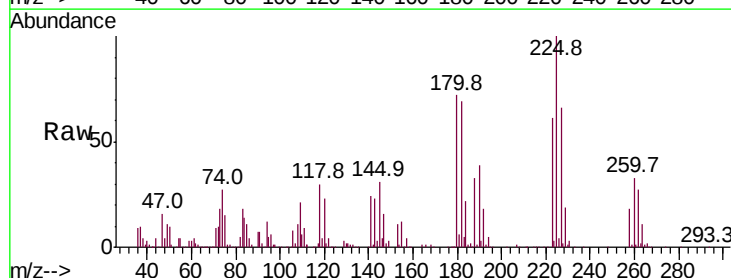
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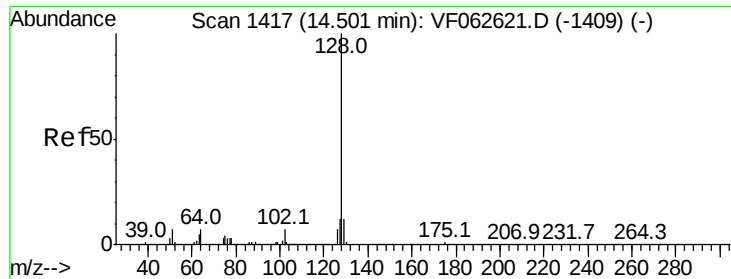
MMDadoda
5/24/2019 11:15:58 AM



#94
Hexachlorobutadiene
Concen: 21.548 ug/l
RT: 14.23 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152631		
223	61.3	32.5	97.4	
227	65.7	34.5	103.5	





#95

Naphthalene

Concen: 18.352 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

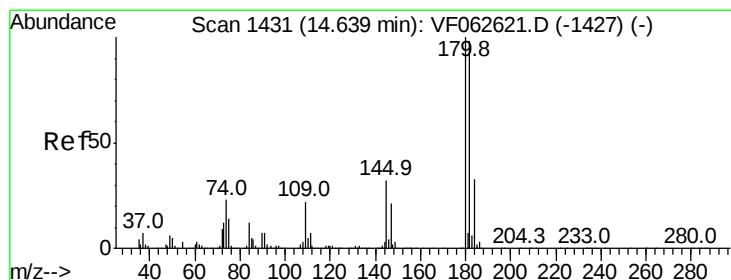
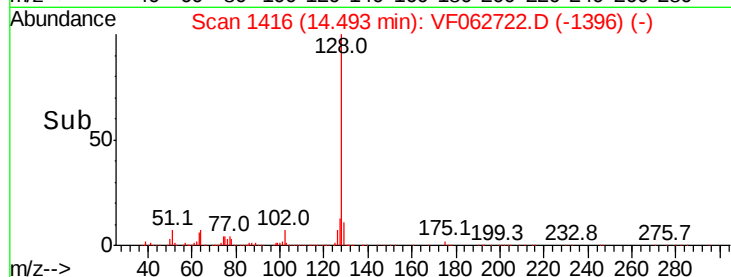
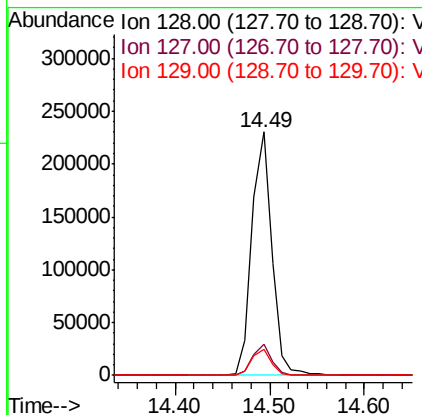
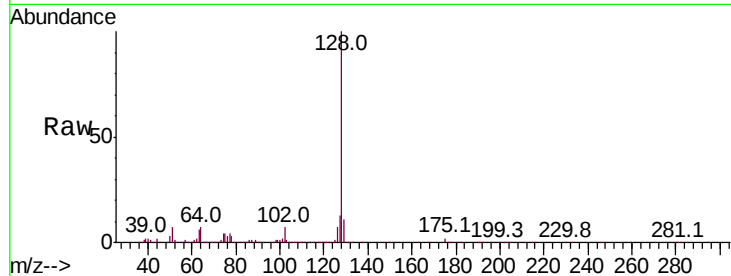
ClientSampleId :

VF0523SBS01

Tot Ion:	128	Resp:	338400
Ion Ratio	Lower	Upper	
128	100		
127	13.0	9.7	14.5
129	10.6	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/24/2019 11:15:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.124 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion:	180	Resp:	193472
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.9	146.7
145	32.2	16.1	48.2

