

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062623.D
 Acq On : 16 May 2019 12:57
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:18 PM

Quant Time: May 17 05:19:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	751037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1230459	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	976432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	467183	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	474133	89.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	178.68%	
35) Dibromofluoromethane	4.32	113	832149	88.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	176.76%	
50) Toluene-d8	7.72	98	1942257	86.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	172.80%	
62) 4-Bromofluorobenzene	11.50	95	804277	94.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	188.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	898980	87.959	ug/l	100
3) Chloromethane	1.14	50	842054	89.477	ug/l	97
4) Vinyl Chloride	1.19	62	804289	92.846	ug/l	99
5) Bromomethane	1.40	94	411032	86.734	ug/l	99
6) Chloroethane	1.44	64	263954	82.966	ug/l	91
7) Trichlorofluoromethane	1.56	101	1053502	96.138	ug/l	92
8) Diethyl Ether	1.72	74	207257	89.945	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.91	101	673540	90.941	ug/l	97
10) Methyl Iodide	1.98	142	1326945	91.205	ug/l	97
11) Tert butyl alcohol	2.70	59	172198	491.453	ug/l	99
12) 1,1-Dichloroethene	1.87	96	618841	91.724	ug/l	95
13) Acrolein	2.10	56	181886	497.292	ug/l	99
14) Allyl chloride	2.20	41	596466m	89.979	ug/l	
15) Acrylonitrile	3.10	53	435250	440.369	ug/l	94
16) Acetone	2.35	43	692647	503.064	ug/l	96
17) Carbon Disulfide	1.92	76	1891160m	98.374	ug/l	
18) Methyl Acetate	2.46	43	200577	85.244	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	1170969	97.088	ug/l	100
20) Methylene Chloride	2.34	84	600212m	87.477	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	618394	93.775	ug/l	93
22) Diisopropyl ether	2.94	45	1412981	93.822	ug/l	97
23) Vinyl Acetate	3.35	43	4444838	437.517	ug/l	97
24) 1,1-Dichloroethane	3.02	63	1011859	91.586	ug/l	99
25) 2-Butanone	4.52	43	1401272	476.356	ug/l	97
26) 2,2-Dichloropropane	3.78	77	608016	96.184	ug/l	87
27) cis-1,2-Dichloroethene	3.65	96	1004430	92.598	ug/l	97
28) Bromochloromethane	3.90	49	563050	90.868	ug/l	98
29) Tetrahydrofuran	4.27	42	536251	450.486	ug/l	99
30) Chloroform	4.05	83	1352807	88.192	ug/l	99
31) Cyclohexane	3.87	56	1368922	99.525	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	974691	95.678	ug/l	99
36) 1,1-Dichloropropene	4.48	75	1177446	93.386	ug/l	98
37) Ethyl Acetate	4.31	43	447459	86.918	ug/l	91
38) Carbon Tetrachloride	4.19	117	974463m	109.698	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	1381856	91.085	ug/l	96
40) Benzene	4.83	78	3038641	88.464	ug/l	99
41) Methacrylonitrile	4.94	41	242496	89.848	ug/l	94
42) 1,2-Dichloroethane	5.14	62	640090	93.448	ug/l	96
43) Isopropyl Acetate	7.12	43	589150	88.335	ug/l #	97
44) Trichloroethene	5.69	130	855695	88.638	ug/l	96
45) 1,2-Dichloropropane	6.42	63	788398	90.925	ug/l	99
46) Dibromomethane	6.27	93	474870	94.763	ug/l	98
47) Bromodichloromethane	6.56	83	971702	93.405	ug/l	99
48) Methyl methacrylate	6.88	41	327212	93.864	ug/l	96
49) 1,4-Dioxane	6.88	88	83520	1870.605	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	1912002	419.405	ug/l	97
52) Toluene	7.79	92	1672248	92.830	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	804608	94.537	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	1124624	94.396	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	508302	95.300	ug/l	99
56) Ethyl methacrylate	8.76	69	583020	91.750	ug/l	94
57) 1,3-Dichloropropane	9.00	76	862564	94.945	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	1001935	484.406	ug/l	96
59) 2-Hexanone	9.63	43	1424116	427.258	ug/l	93
60) Dibromochloromethane	8.86	129	692432	99.608	ug/l	97
61) 1,2-Dibromoethane	9.14	107	557907	98.480	ug/l	99
64) Tetrachloroethene	8.31	164	699375	90.410	ug/l	98
65) Chlorobenzene	9.94	112	1706692	88.992	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	691930	89.873	ug/l	98
67) Ethyl Benzene	10.04	91	2784792	83.586	ug/l	97
68) m/p-Xylenes	10.26	106	2151513	171.821	ug/l	97
69) o-Xylene	10.82	106	1189953	92.262	ug/l	88
70) Styrene	10.89	104	1822499	92.968	ug/l	98
71) Bromoform	10.88	173	401285	104.069	ug/l	100
73) Isopropylbenzene	11.22	105	2968806	88.664	ug/l	96
74) N-amyl acetate	11.45	43	821824	79.558	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	635579	92.882	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	394518	87.745	ug/l	91
77) Bromobenzene	11.58	156	797493	95.818	ug/l	98
78) n-propylbenzene	11.68	91	3324838	83.903	ug/l	95
79) 2-Chlorotoluene	11.80	91	1911534	85.595	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	2241635	83.491	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	200305m	80.184	ug/l	
82) 4-Chlorotoluene	11.98	91	1942443	88.202	ug/l	98
83) tert-Butylbenzene	12.20	119	2342589	86.000	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	2239379	86.176	ug/l	92
85) sec-Butylbenzene	12.37	105	3106706	84.985	ug/l	96
86) p-Isopropyltoluene	12.52	119	2629937	85.367	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	1308224	86.879	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	1225530	86.727	ug/l	98
89) n-Butylbenzene	12.90	91	2489559	81.961	ug/l	95
90) Hexachloroethane	12.97	117	703217	95.153	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	1181058	87.990	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	84213	103.161	ug/l	83

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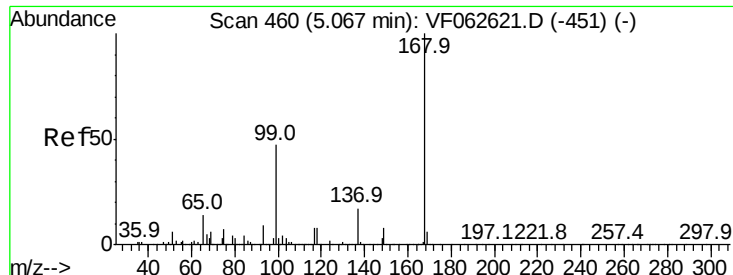
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	861635	89.680	ug/l	96
94) Hexachlorobutadiene	14.23	225	643733	96.007	ug/l	96
95) Naphthalene	14.50	128	1681957	96.361	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	913556	100.383	ug/l	97

(#) = 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: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 751037

Ion Ratio Lower Upper

168 100

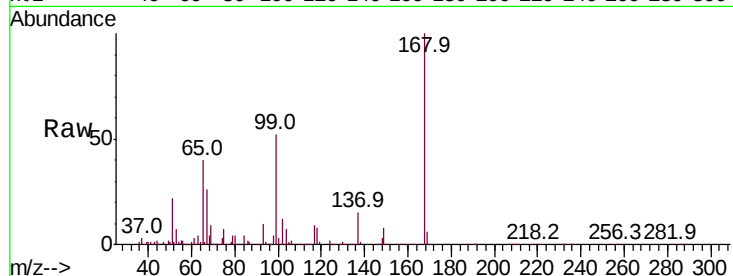
99 52.2 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

250000

200000

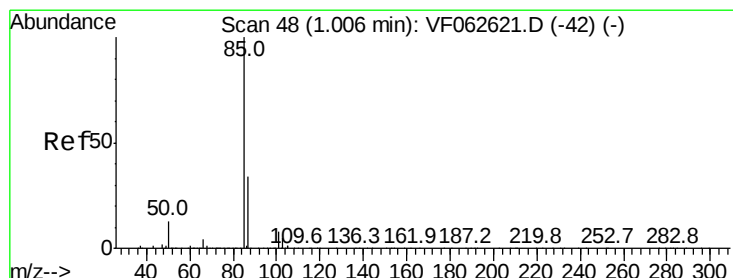
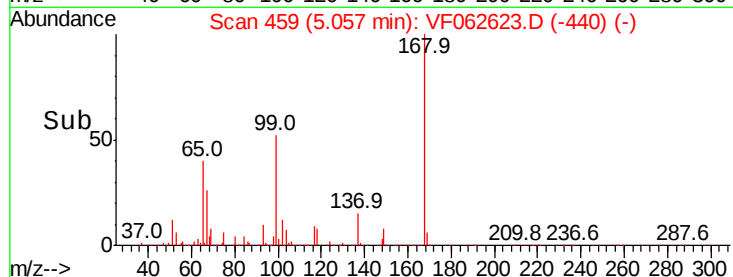
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 87.959 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062623.D

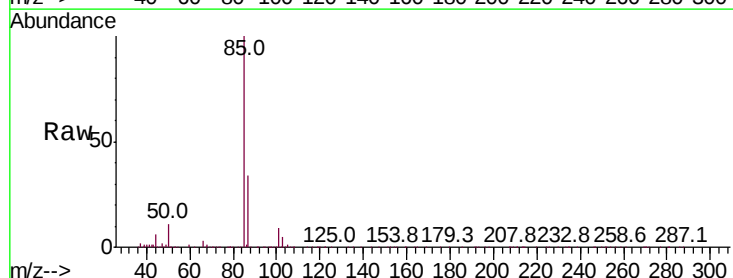
Acq: 16 May 2019 12:57

Tgt Ion: 85 Resp: 898980

Ion Ratio Lower Upper

85 100

87 33.6 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

250000

200000

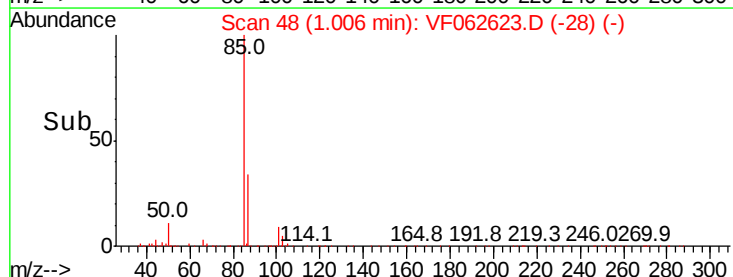
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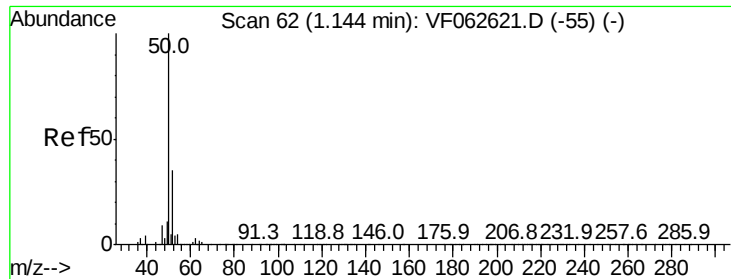
100000

50000

0

Time-->





#3

Chloromethane

Concen: 89.477 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 842054

Ion Ratio Lower Upper

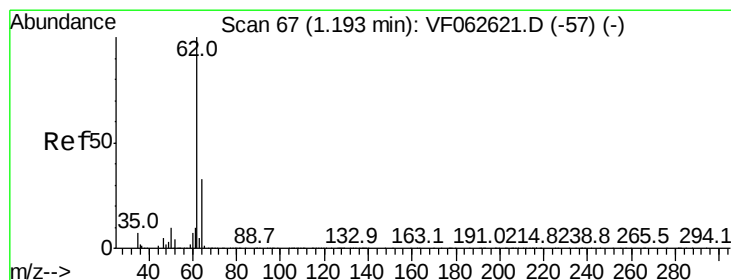
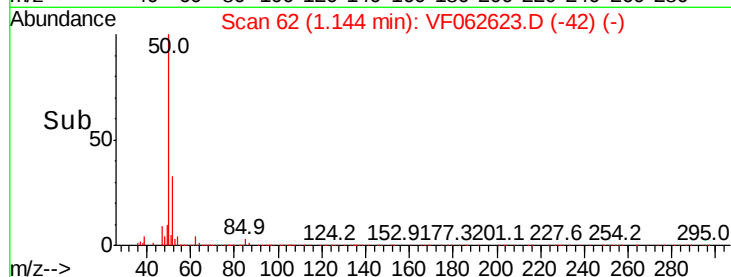
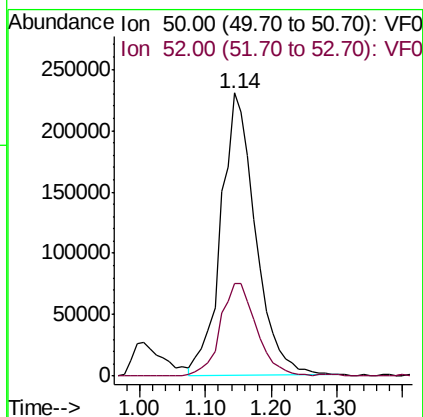
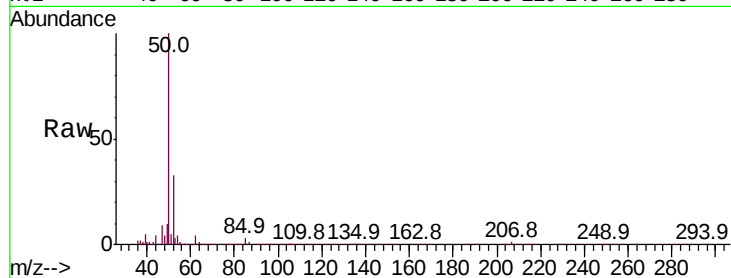
50 100

52 32.7 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 92.846 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062623.D

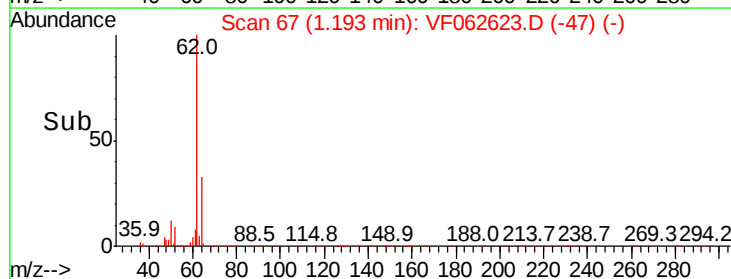
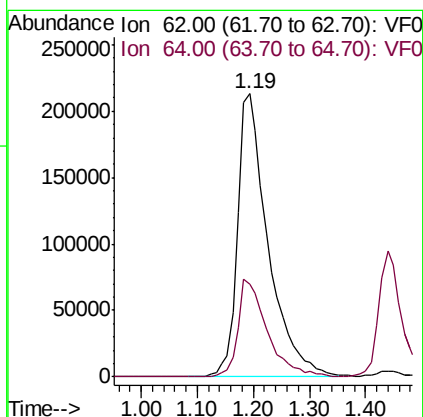
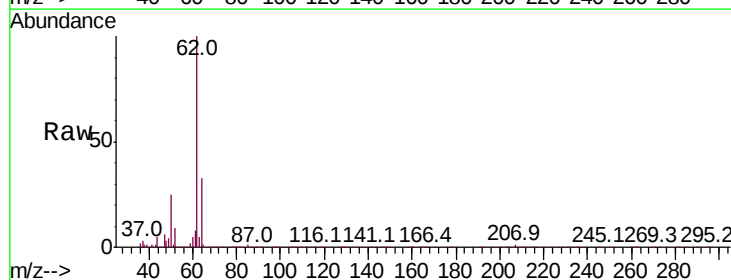
Acq: 16 May 2019 12:57

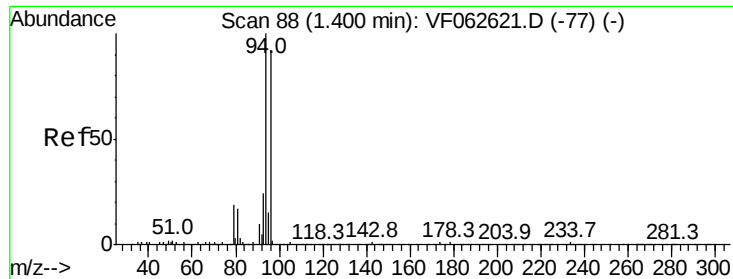
Tgt Ion: 62 Resp: 804289

Ion Ratio Lower Upper

62 100

64 32.9 26.7 40.1





#5

Bromomethane

Concen: 86.734 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

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Tot Ion: 94 Resp: 411032

Ion Ratio Lower Upper

94 100

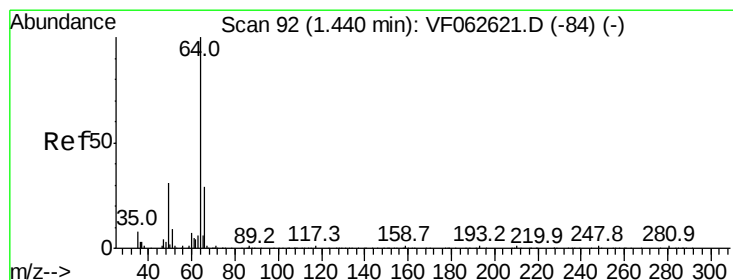
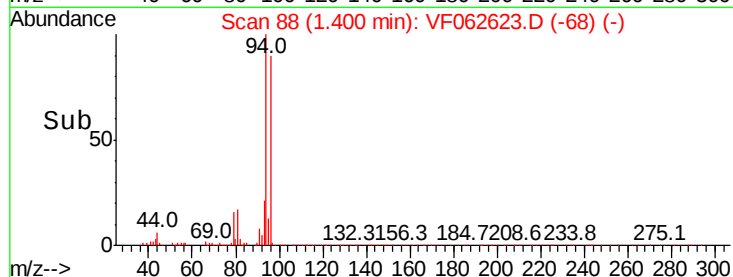
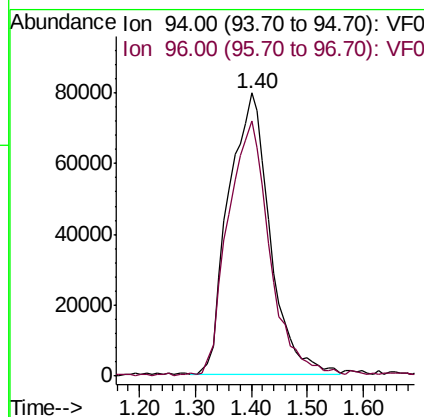
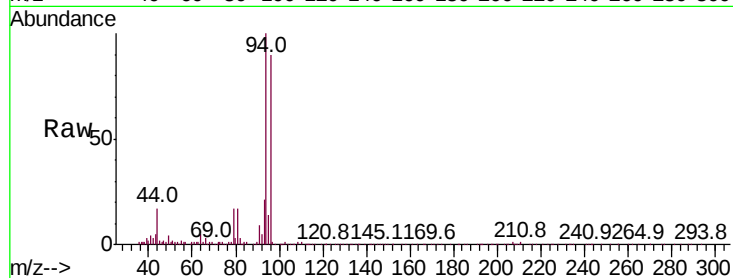
96 90.1 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 82.966 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062623.D

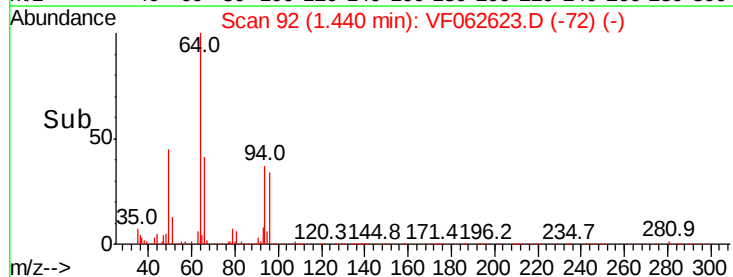
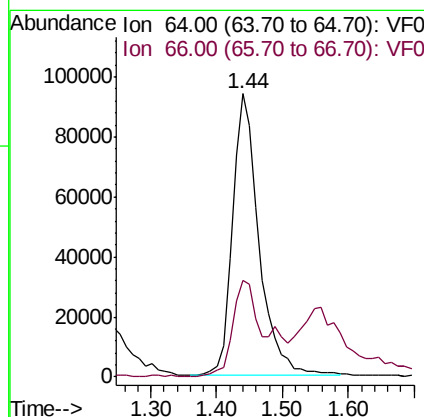
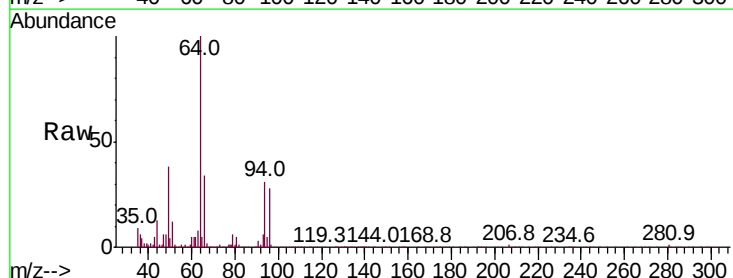
Acq: 16 May 2019 12:57

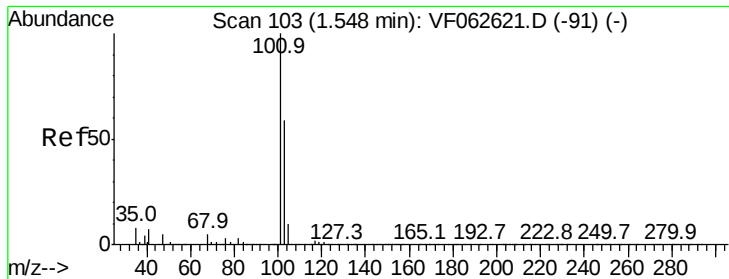
Tgt Ion: 64 Resp: 263954

Ion Ratio Lower Upper

64 100

66 34.2 23.4 35.2





#7

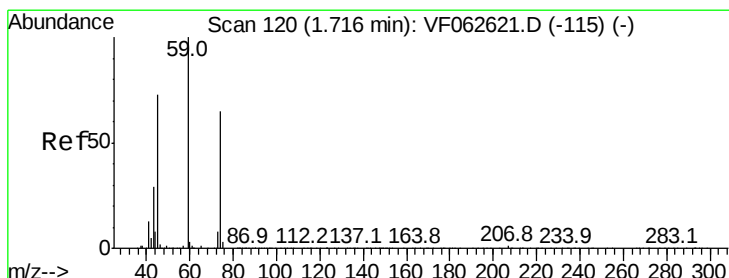
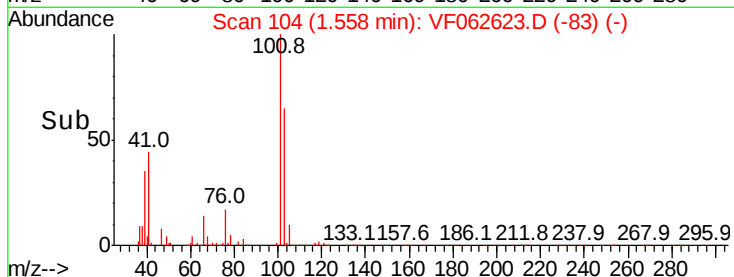
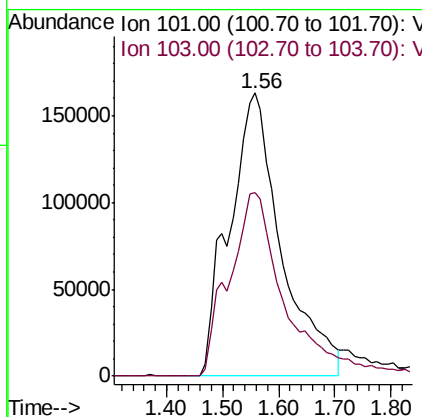
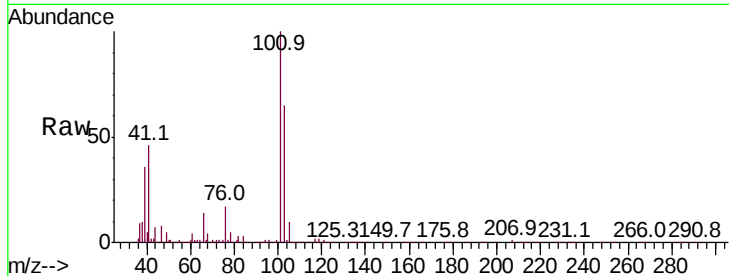
Trichlorofluoromethane
 Concen: 96.138 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062623.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	47.3	70.9

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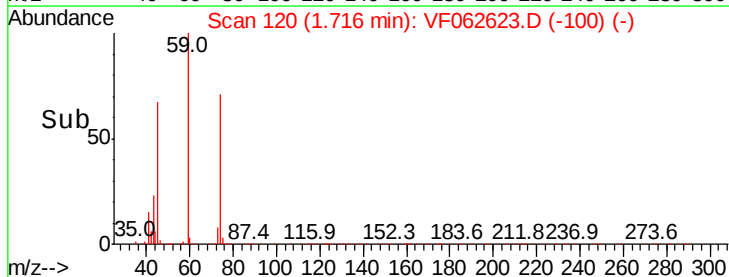
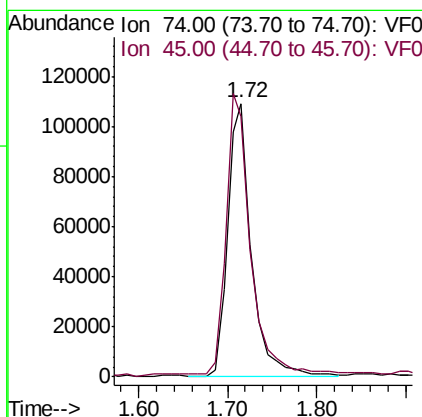
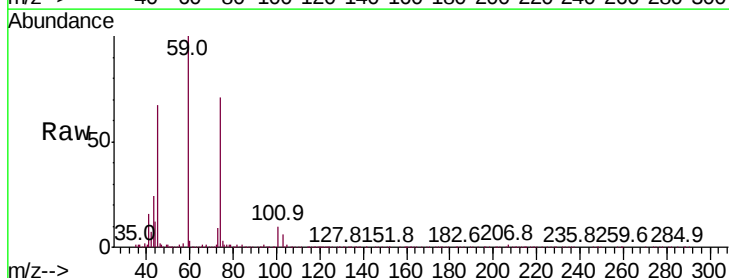
MMDadoda
 5/17/2019 4:20:18 PM

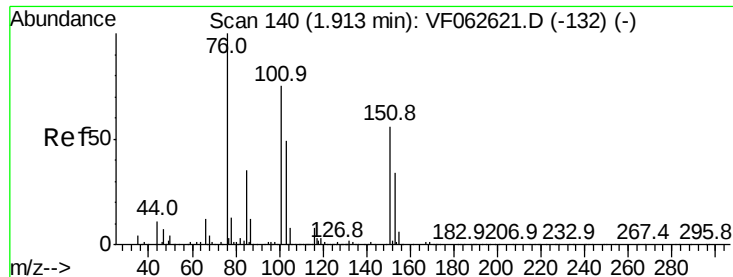


#8

Diethyl Ether
 Concen: 89.945 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.941 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

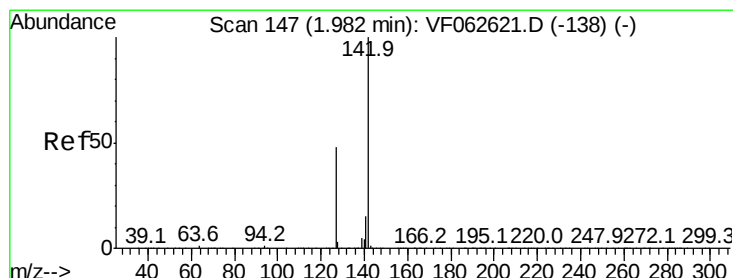
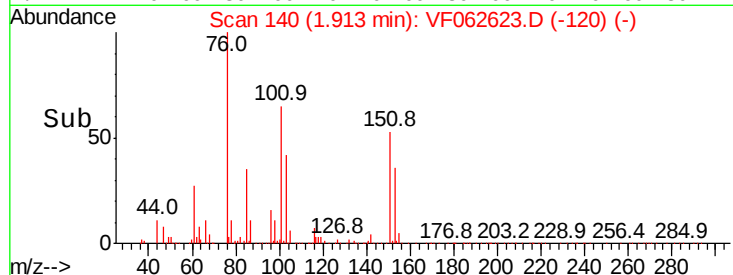
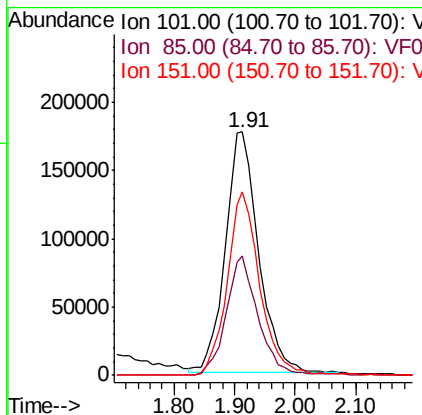
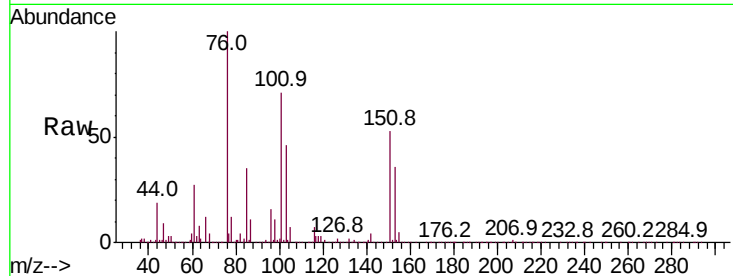
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	673540
Ion Ratio	Lower	Upper	
101	100		
85	49.2	37.1	55.7
151	75.1	58.8	88.2

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#10

Methyl Iodide

Concen: 91.205 ug/l

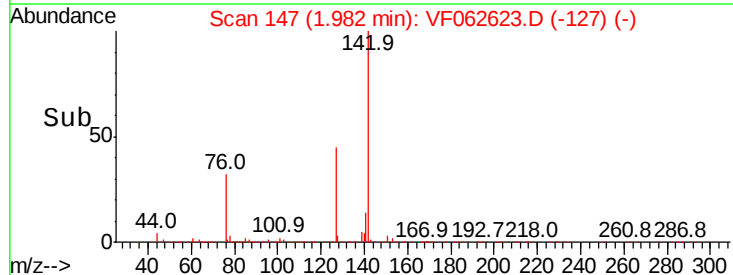
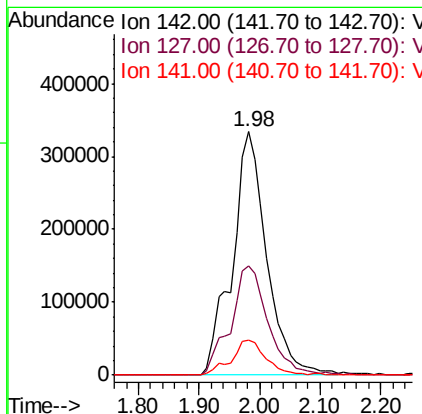
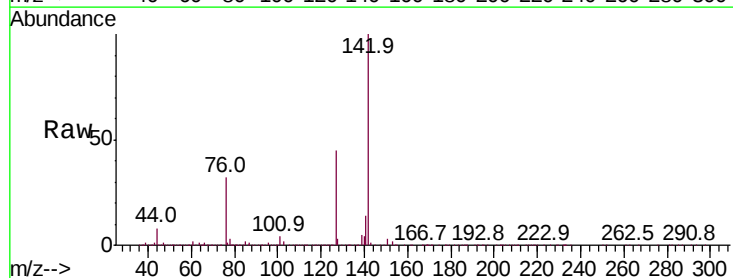
RT: 1.98 min Scan# 147

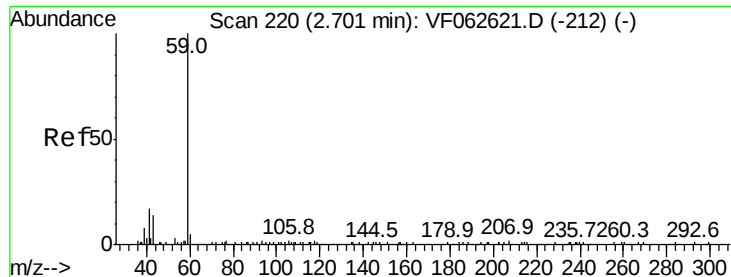
Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion:	142	Resp:	1326945
Ion Ratio	Lower	Upper	
142	100		
127	44.9	38.1	57.1
141	14.1	11.7	17.5





#11

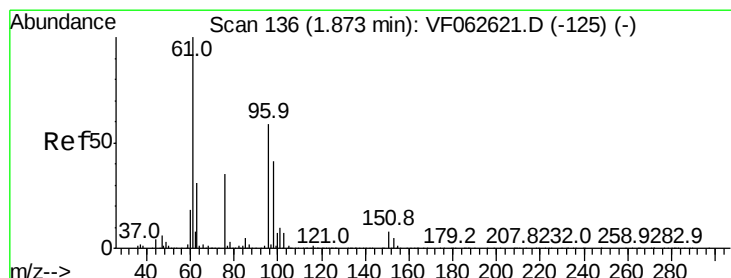
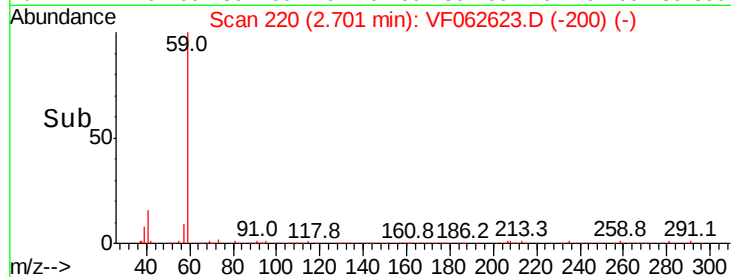
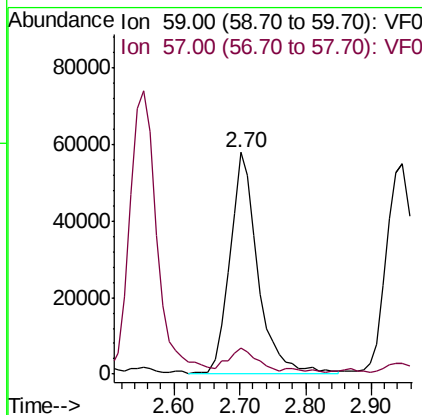
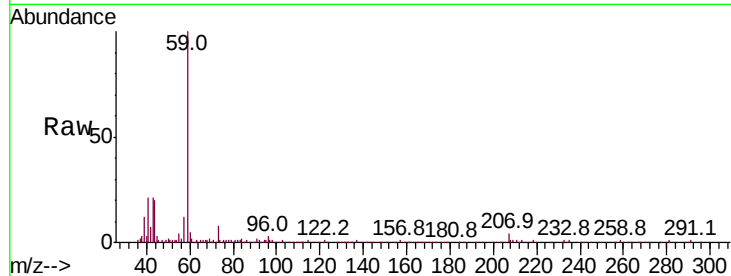
Tert butyl alcohol
Concen: 491.453 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	172198
Ion Ratio	100	Lower	Upper
57	12.0	9.3	13.9

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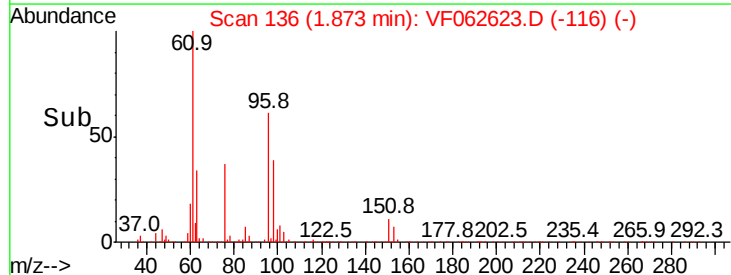
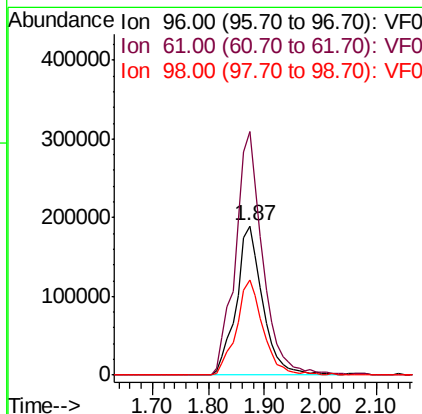
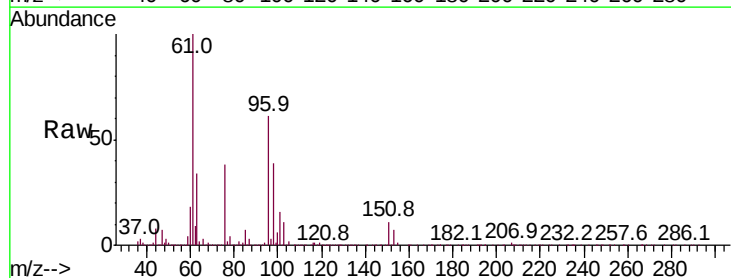
MMDadoda
5/17/2019 4:20:18 PM

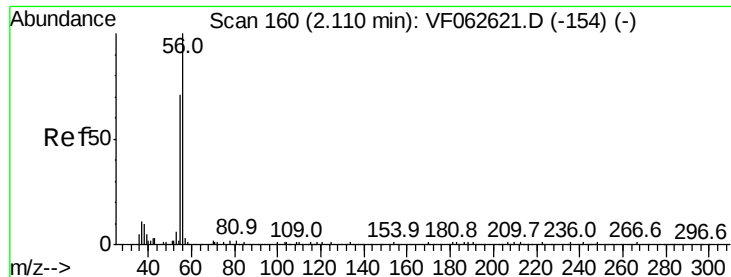


#12

1,1-Dichloroethene
Concen: 91.724 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	96	Resp	618841
Ion Ratio	100	Lower	Upper
61	162.8	134.3	201.5
98	63.6	55.0	82.6





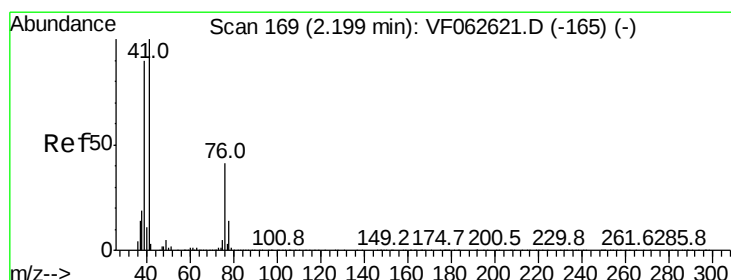
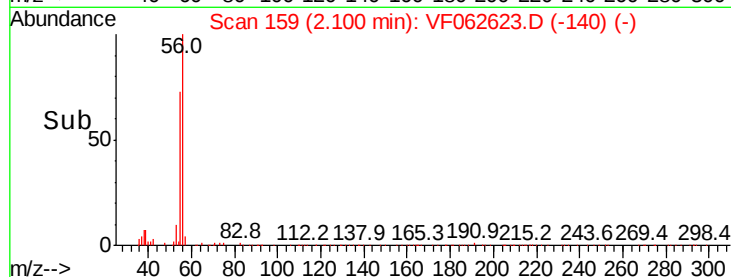
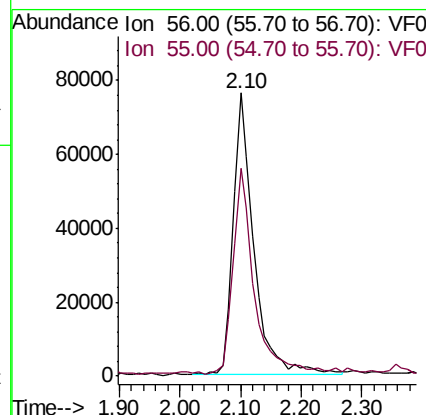
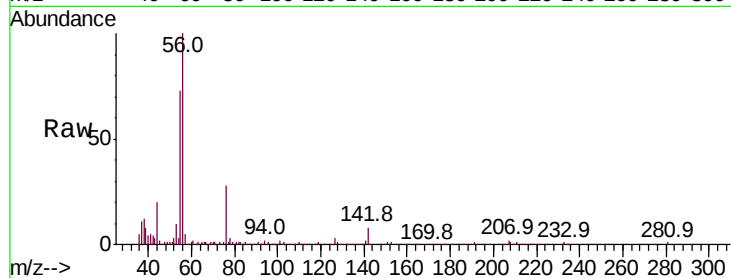
#13
Acrolein
Concen: 497.292 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.3	59.4	89.0

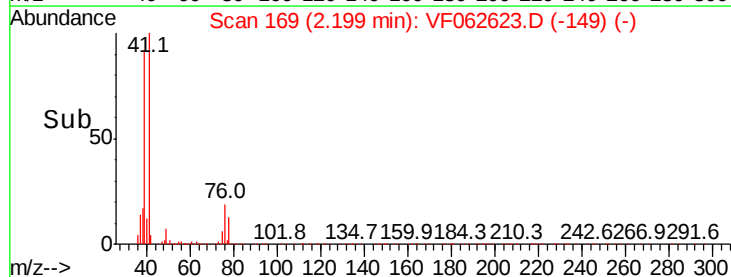
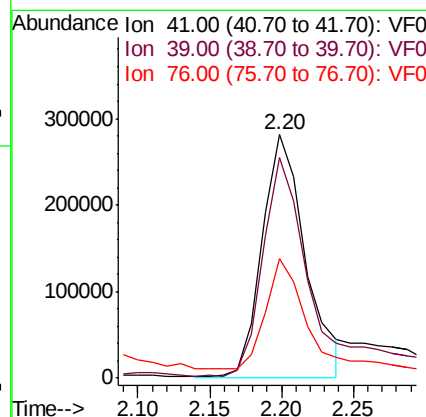
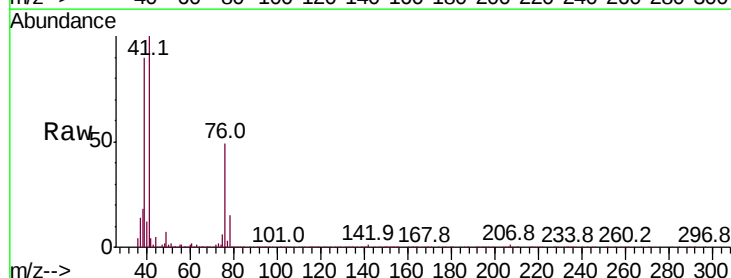
Manual Integrations
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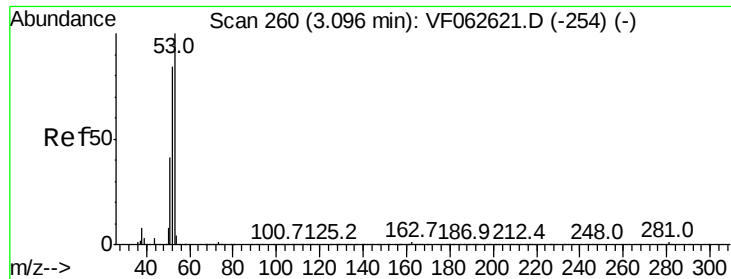
MMDadoda
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#14
Allyl chloride
Concen: 89.979 ug/l m
RT: 2.20 min Scan# 169
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	90.4	72.0	108.0
76	48.9	34.8	52.2





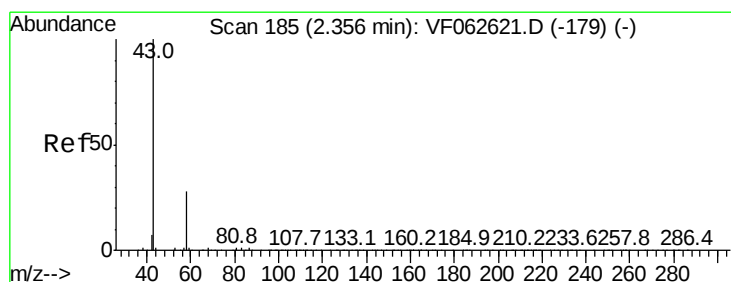
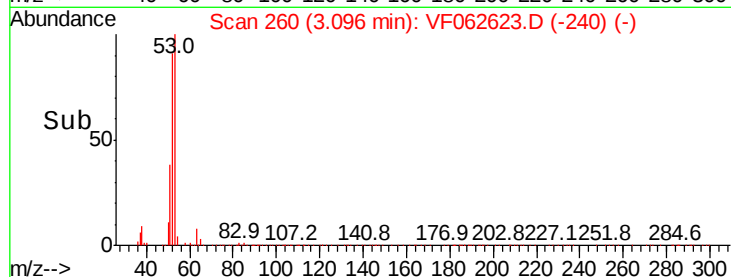
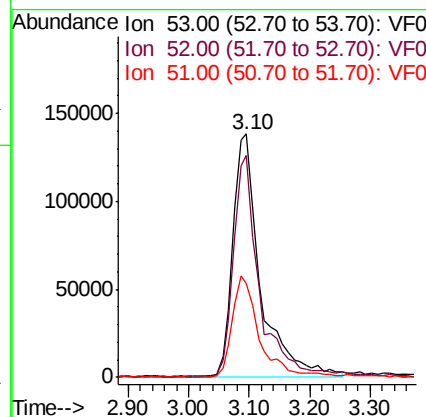
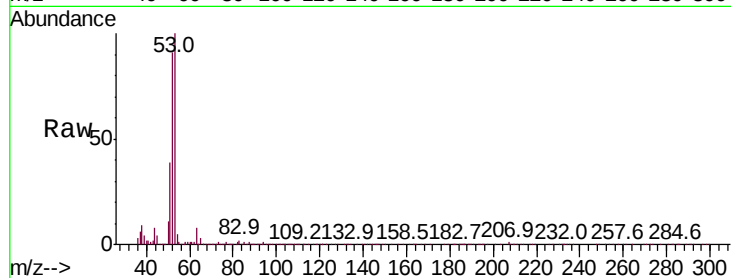
#15
 Acrylonitrile
 Concen: 440.369 ug/l
 RT: 3.10 min Scan# 260
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:	53	Resp:	435250
Ion Ratio	Lower	Upper	
53	100		
52	91.0	67.3	100.9
51	38.8	33.0	49.6

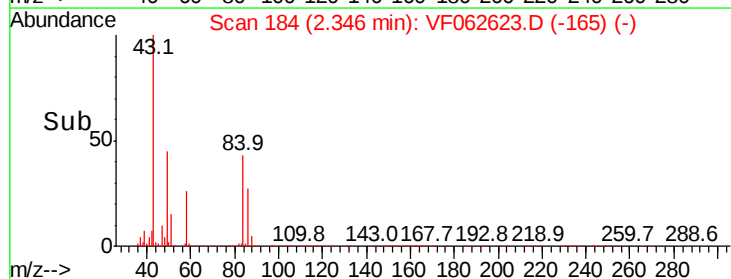
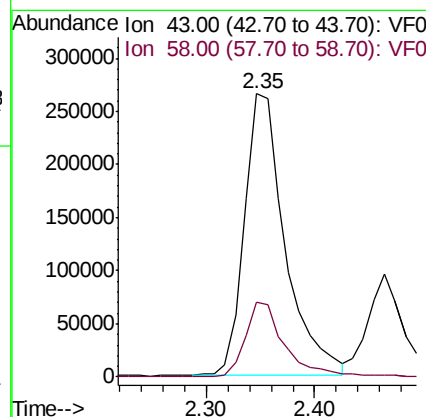
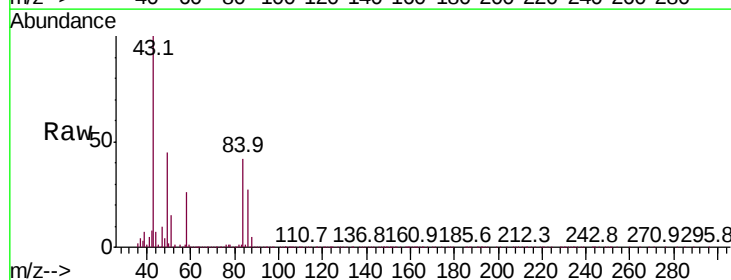
Manual Integrations
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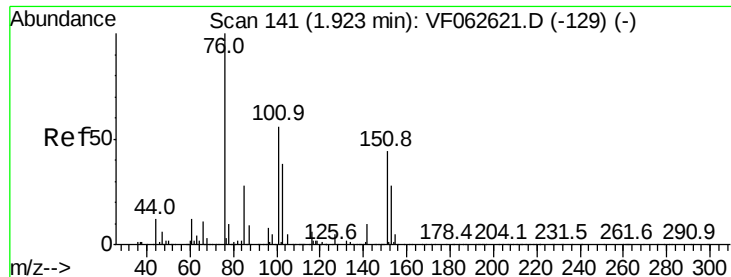
MMDadoda
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#16
 Acetone
 Concen: 503.064 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion:	43	Resp:	692647
Ion Ratio	Lower	Upper	
43	100		
58	26.3	22.6	33.8





#17

Carbon Disulfide

Concen: 98.374 ug/l m

RT: 1.92 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1891160

Ion Ratio Lower Upper

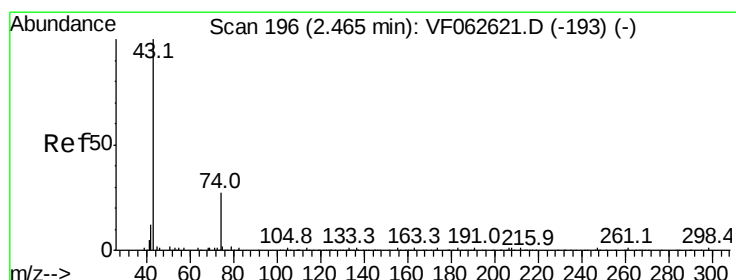
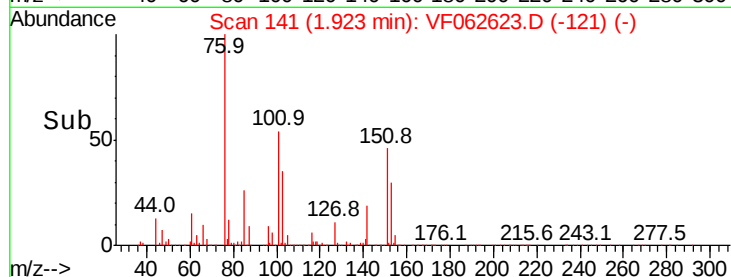
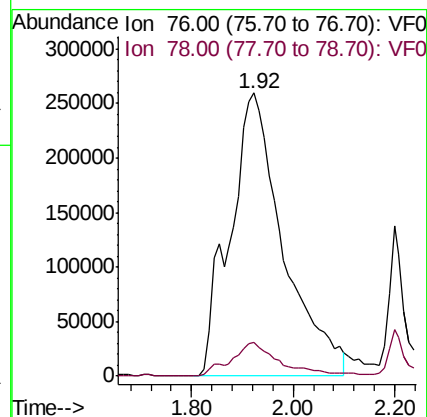
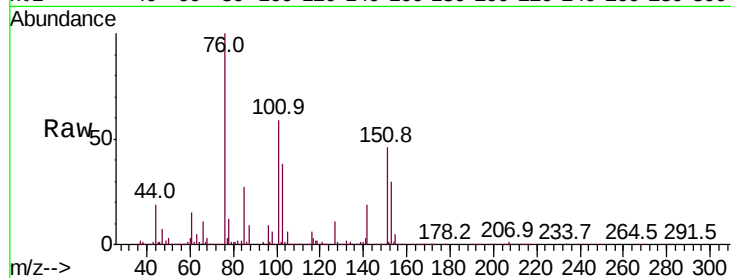
76 100

78 11.9 8.4 12.6

Manual Integrations
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#18

Methyl Acetate

Concen: 85.244 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF062623.D

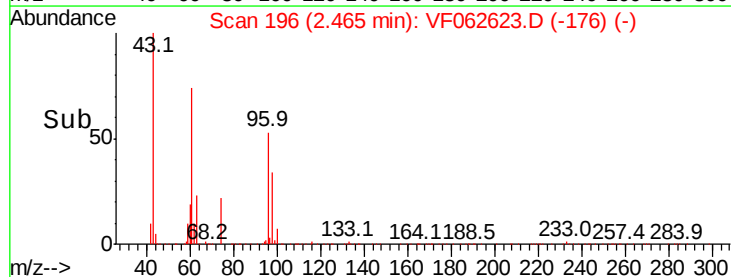
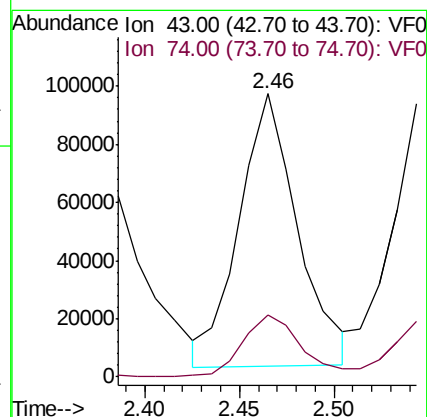
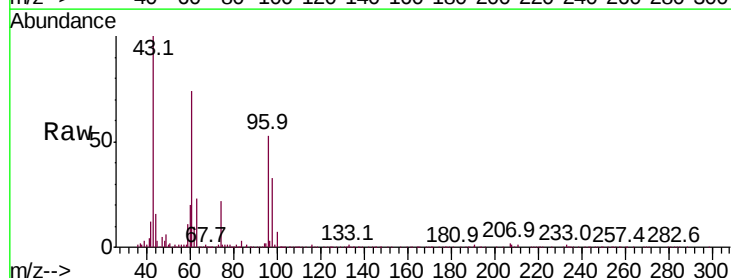
Acq: 16 May 2019 12:57

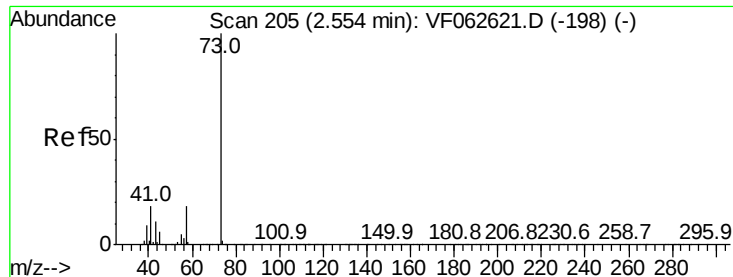
Tgt Ion: 43 Resp: 200577

Ion Ratio Lower Upper

43 100

74 21.9 18.9 28.3





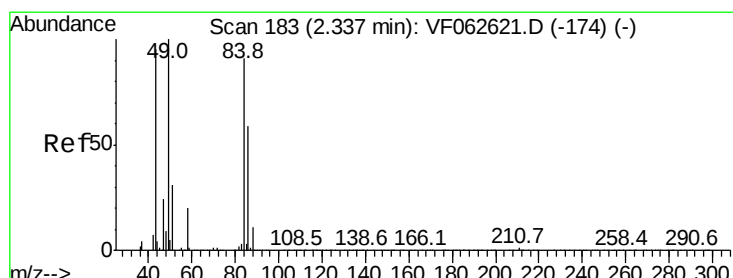
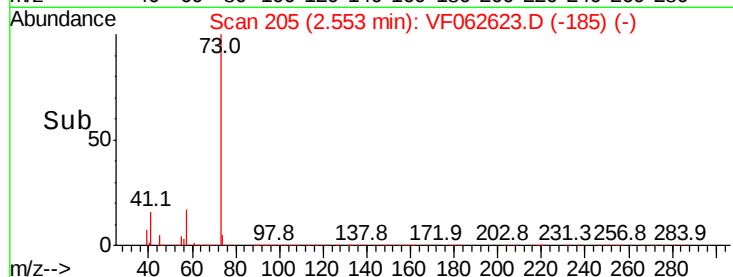
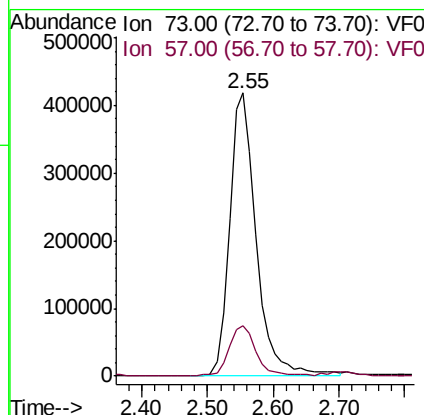
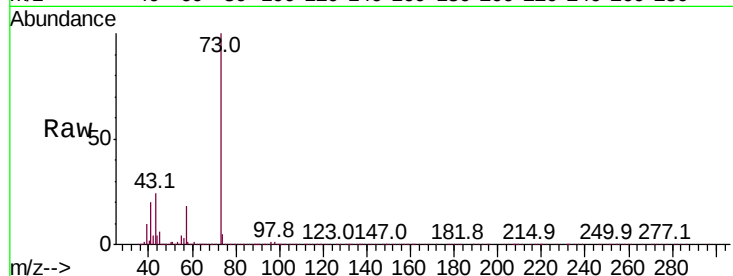
#19
Methvl tert-butvl Ether
Concen: 97.088 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1170969
Ion Ratio Lower Upper
73 100
57 17.7 14.2 21.4

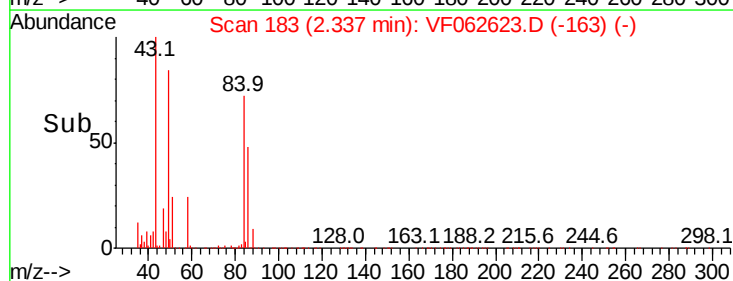
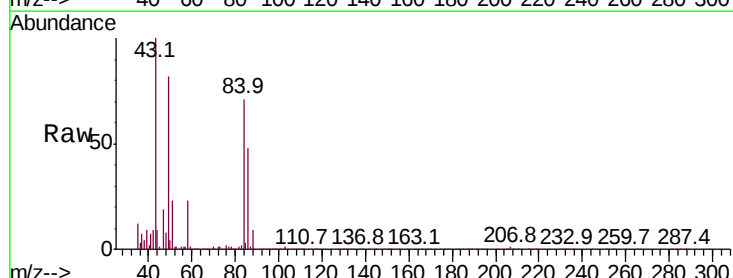
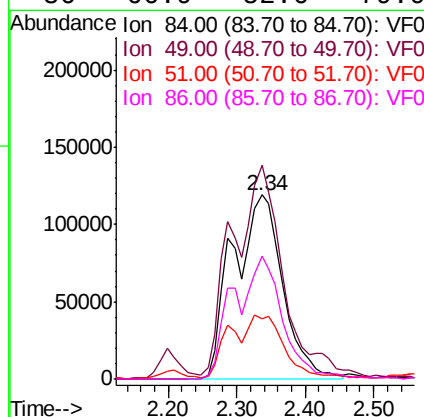
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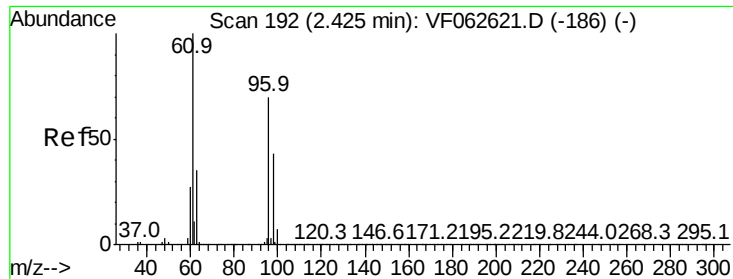
MMDadoda
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#20
Methylene Chloride
Concen: 87.477 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 84 Resp: 600212
Ion Ratio Lower Upper
84 100
49 115.9 89.8 134.8
51 32.7 28.4 42.6
86 66.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 93.775 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 618394

Ion Ratio Lower Upper

96 100

61 133.3 114.6 171.8

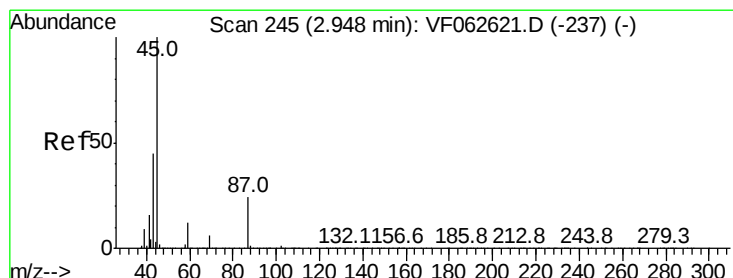
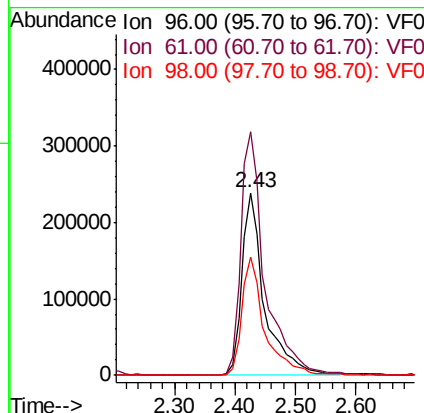
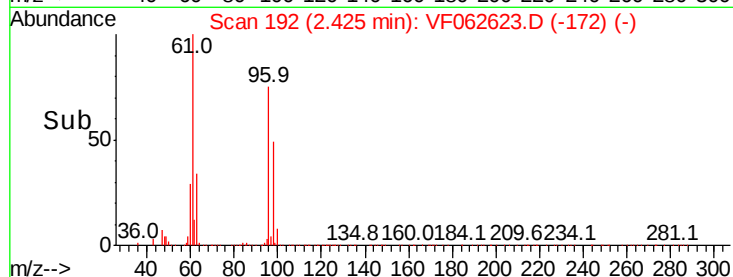
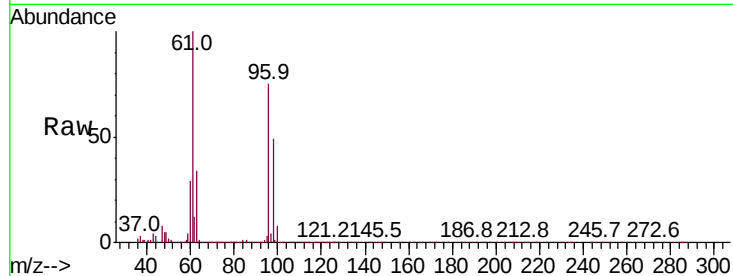
98 64.9 49.5 74.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 93.822 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion: 45 Resp: 1412981

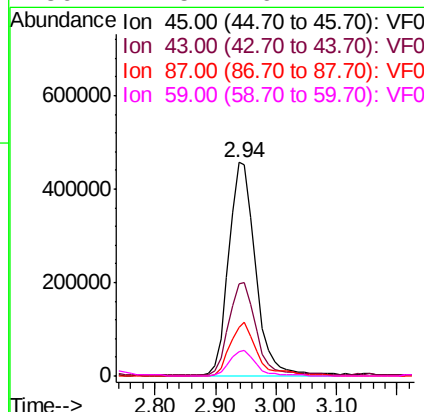
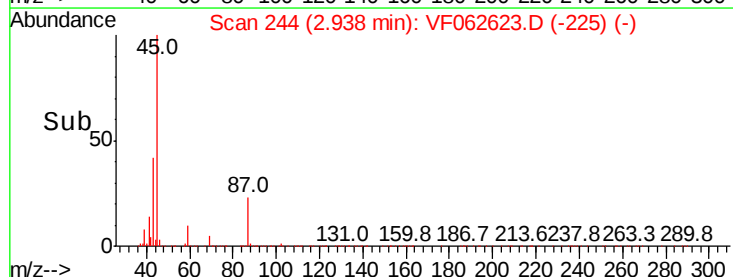
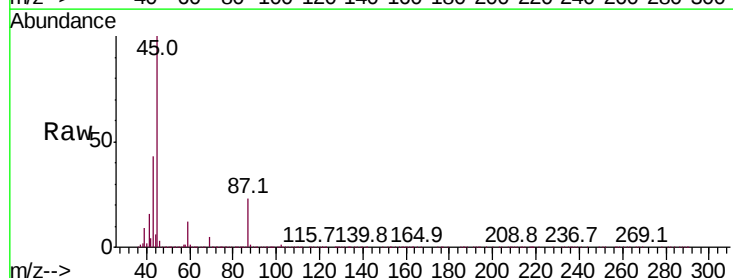
Ion Ratio Lower Upper

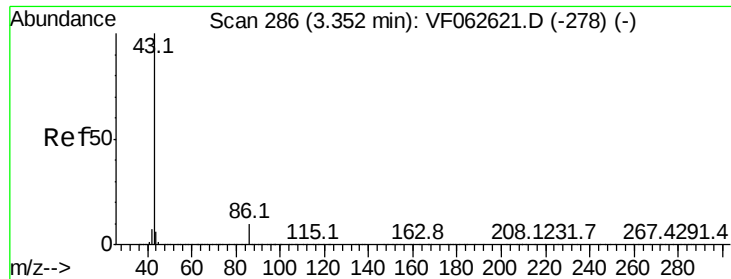
45 100

43 43.3 36.4 54.6

87 22.5 19.3 28.9

59 11.5 9.4 14.2





#23

Vinyl Acetate

Concen: 437.517 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4444838

Ion Ratio Lower Upper

43 100

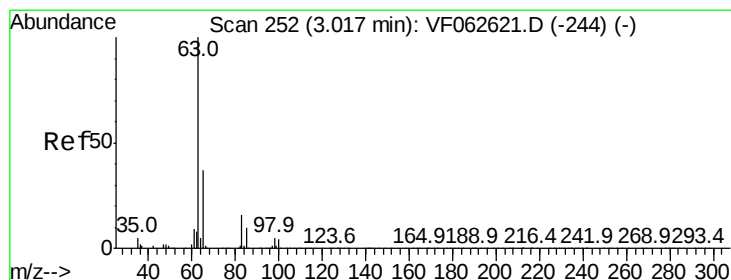
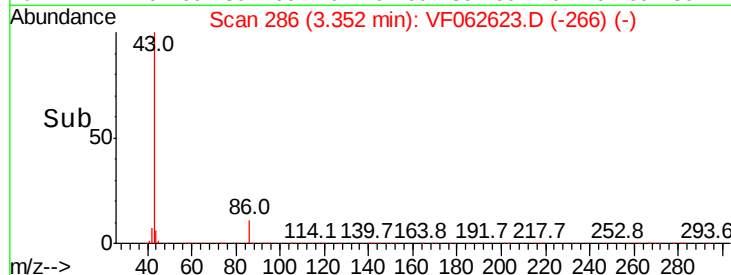
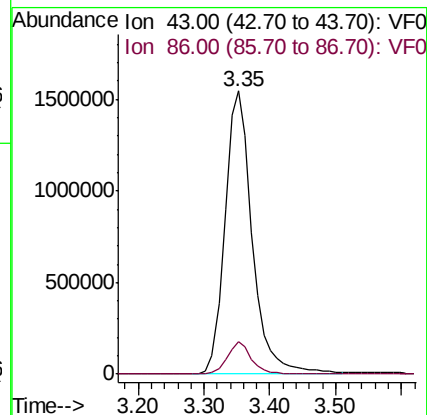
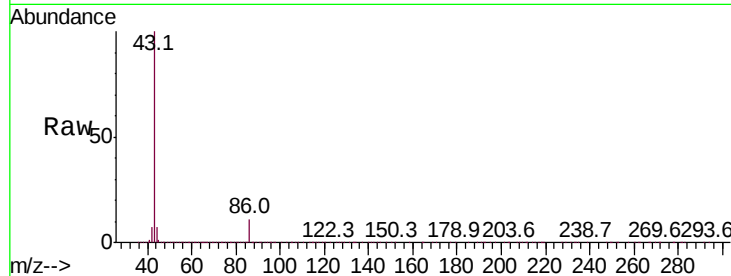
86 11.4 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 91.586 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

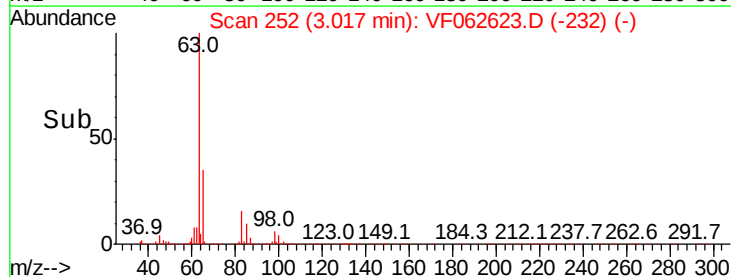
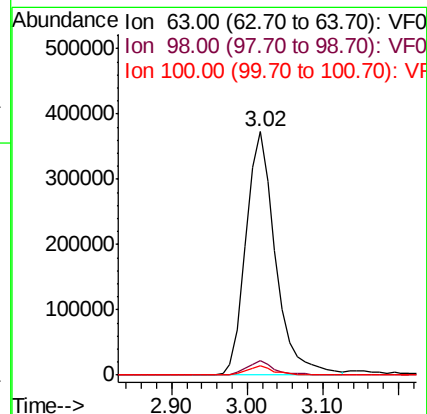
Tgt Ion: 63 Resp: 1011859

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 476.356 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1401272

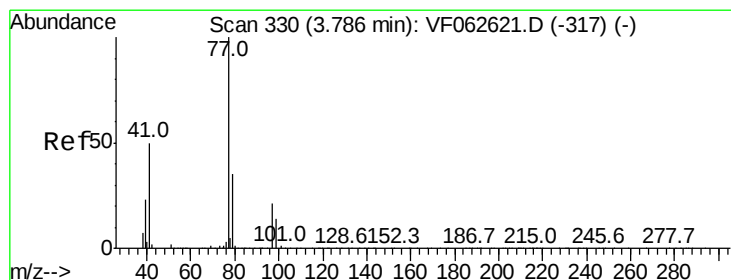
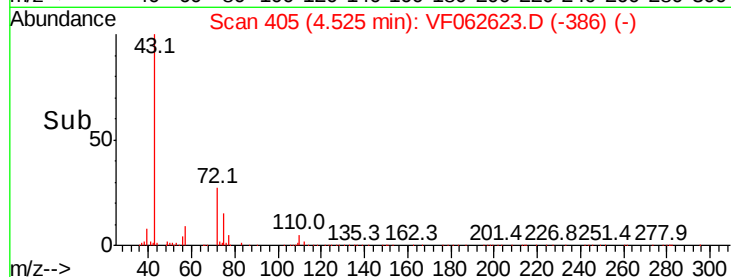
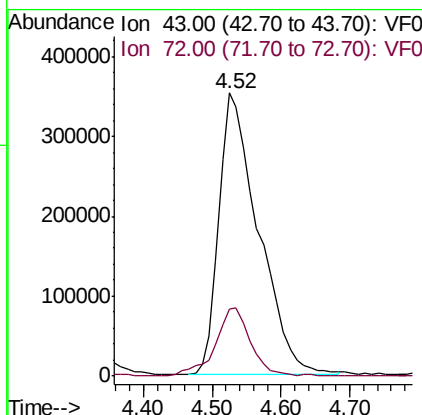
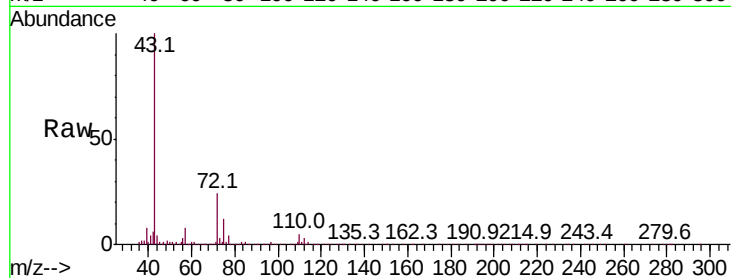
Ion Ratio Lower Upper

43 100

72 23.8 20.1 30.1

Manual Integrations
APPROVED

MMDadoda
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#26

2,2-Dichloropropane

Concen: 96.184 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062623.D

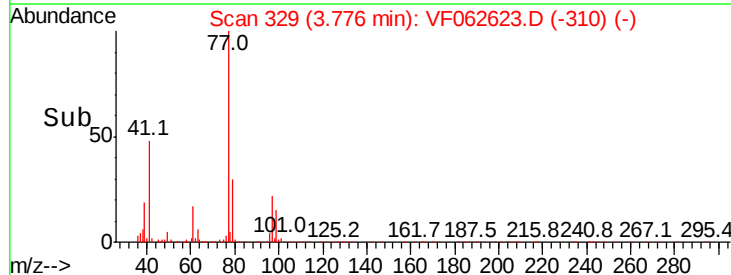
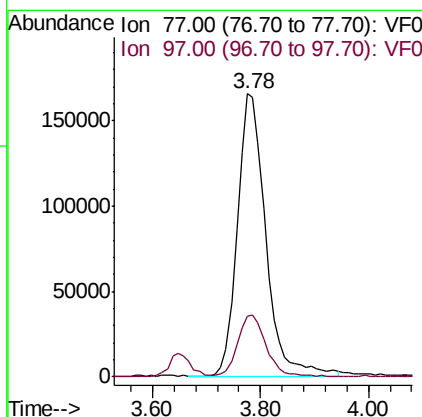
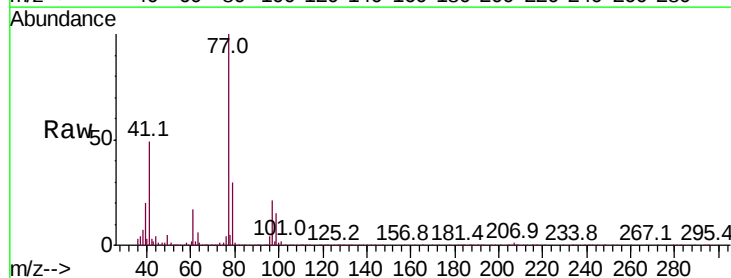
Acq: 16 May 2019 12:57

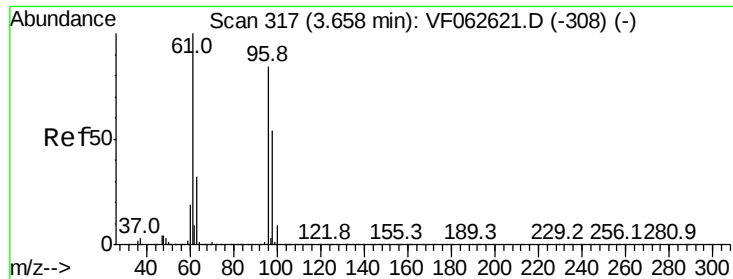
Tgt Ion: 77 Resp: 608016

Ion Ratio Lower Upper

77 100

97 21.5 14.1 42.4





#27

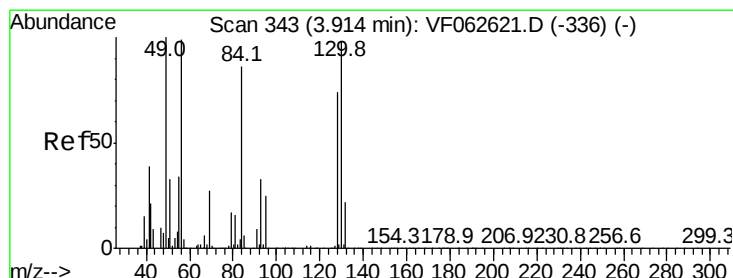
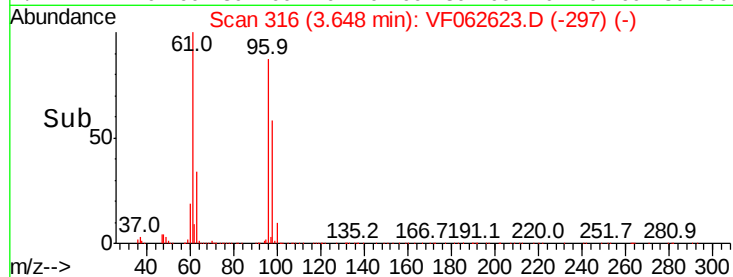
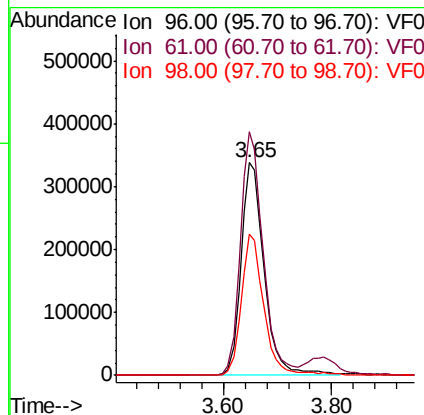
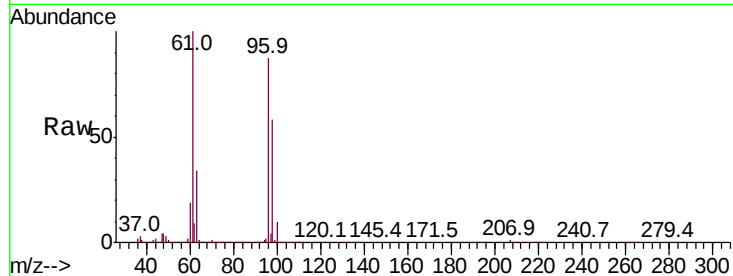
cis-1,2-Dichloroethene
Concen: 92.598 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.6	0.0	237.4
98	66.2	0.0	129.0

Manual Integrations
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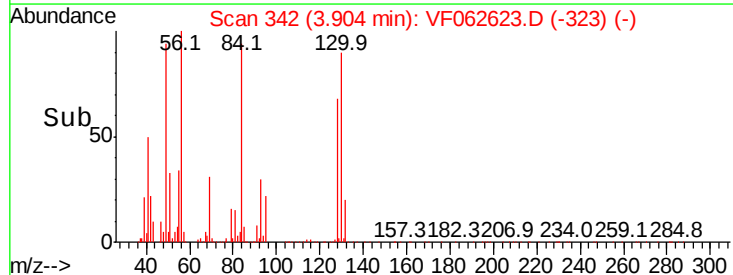
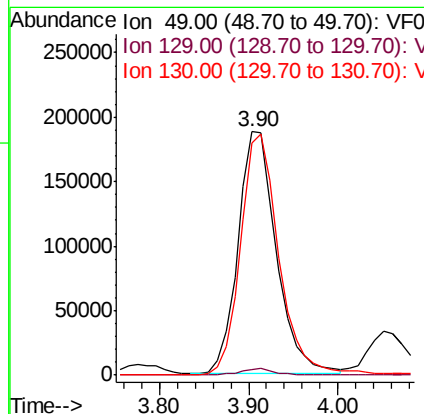
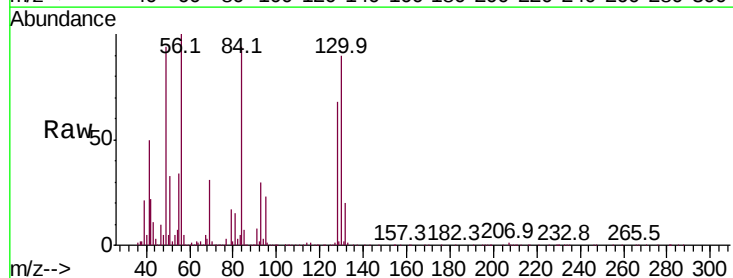
MMDadoda
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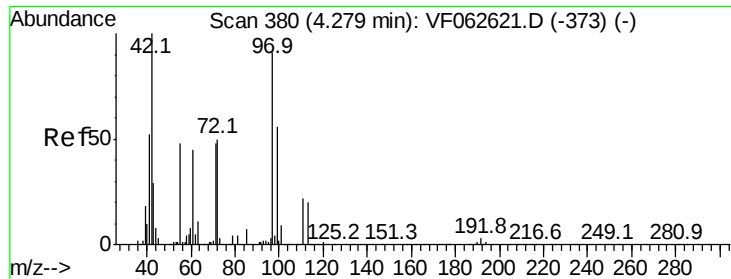


#28

Bromochloromethane
Concen: 90.868 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	95.4	77.8	116.8





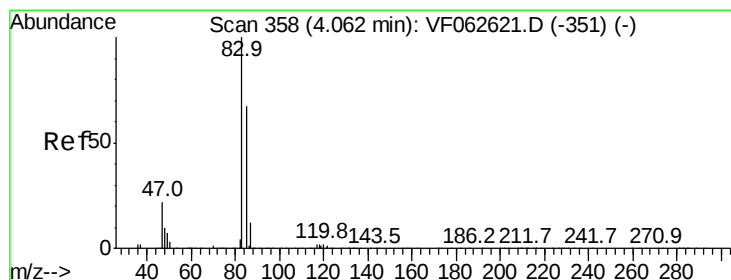
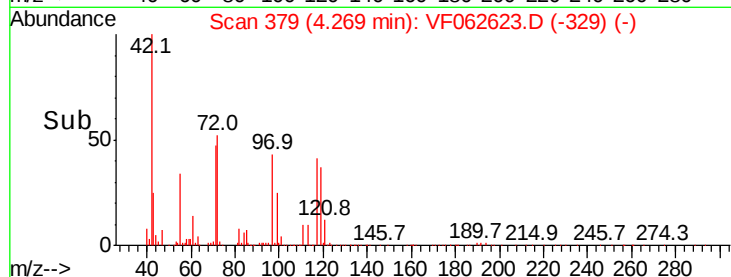
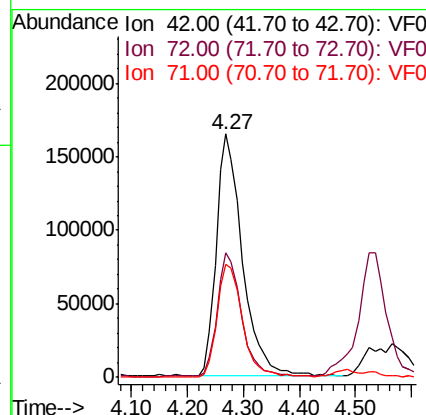
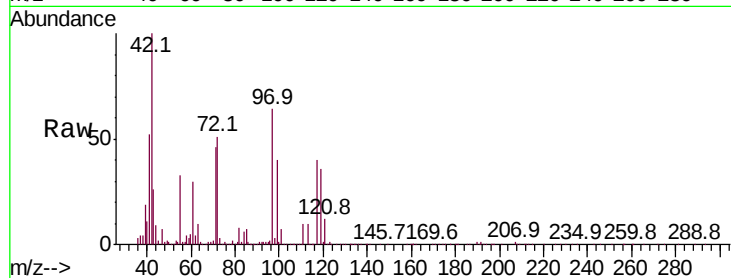
#29
Tetrahydrofuran
Concen: 450.486 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.2	57.2
71	46.0	35.8	53.6

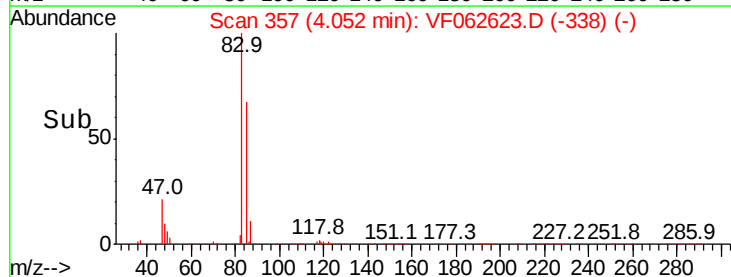
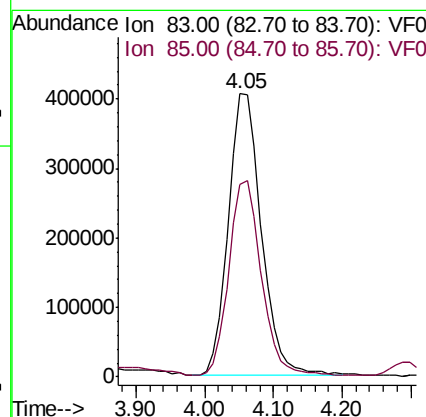
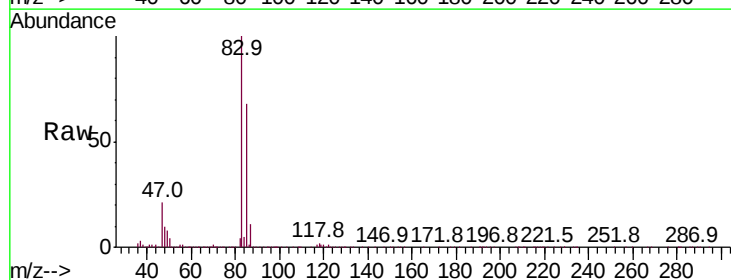
Manual Integrations
APPROVED

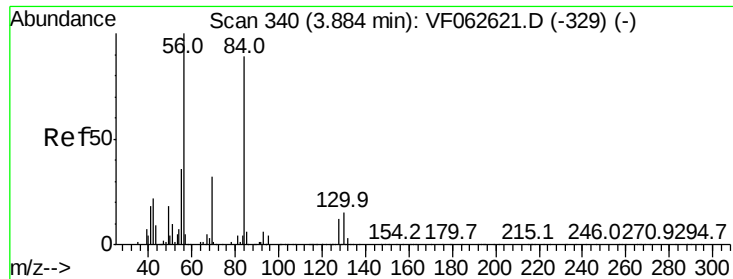
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#30
Chloroform
Concen: 88.192 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	53.6	80.4





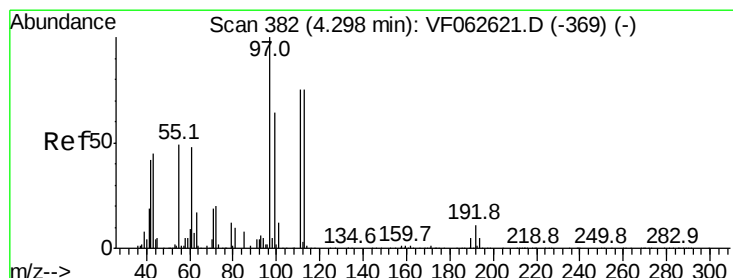
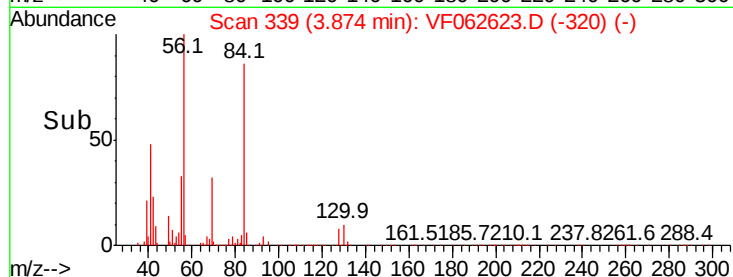
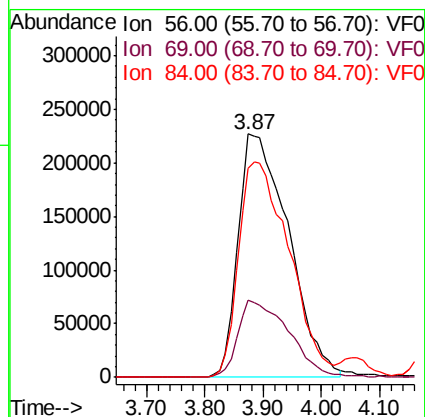
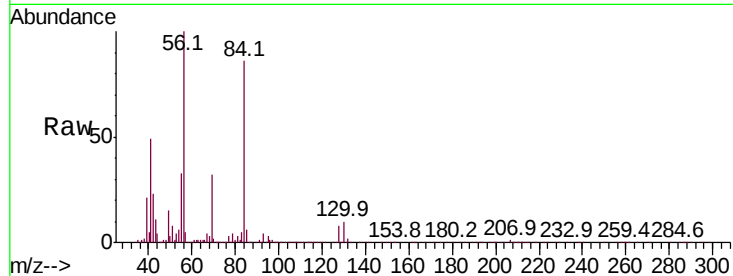
#31
Cyclohexane
Concen: 99.525 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 1368922
Ion Ratio Lower Upper
56 100
69 31.7 25.3 37.9
84 85.7 71.0 106.4

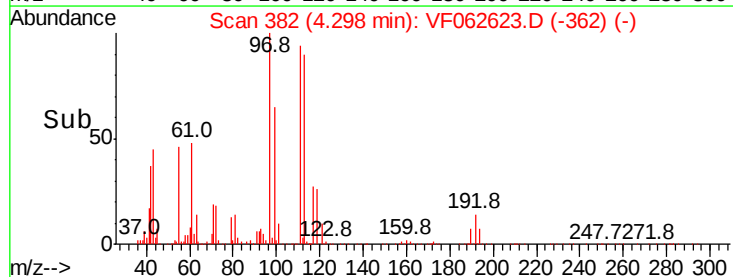
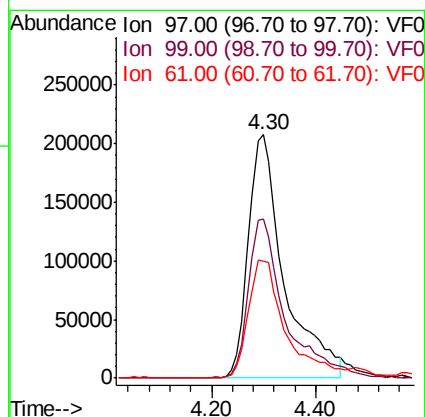
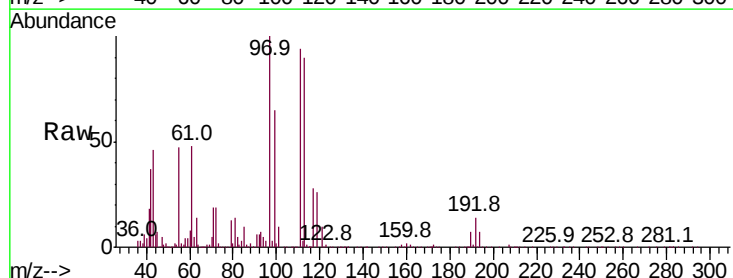
Manual Integrations
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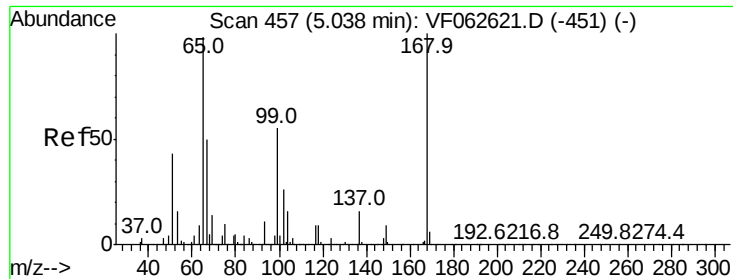
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#32
1,1,1-Trichloroethane
Concen: 95.678 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 97 Resp: 974691
Ion Ratio Lower Upper
97 100
99 65.4 51.3 76.9
61 48.1 38.2 57.2





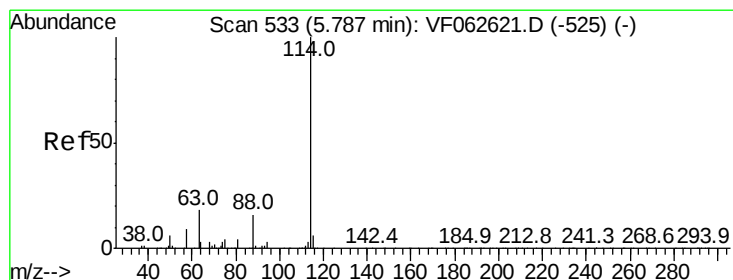
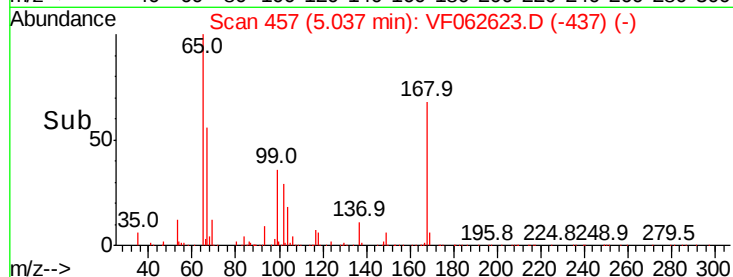
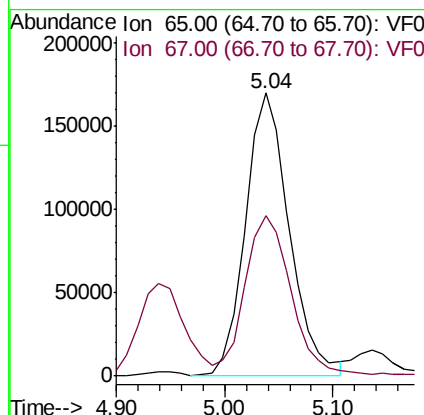
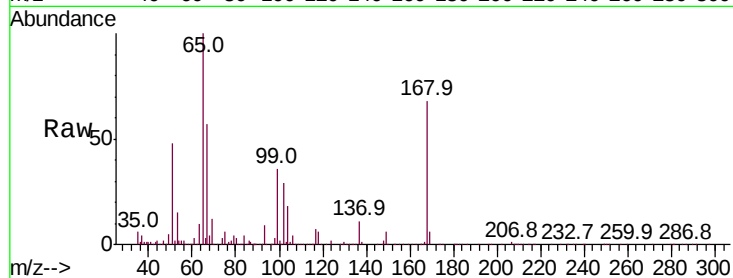
#33
 1,2-Dichloroethane-d4
 Concen: 89.338 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.6	0.0	117.6

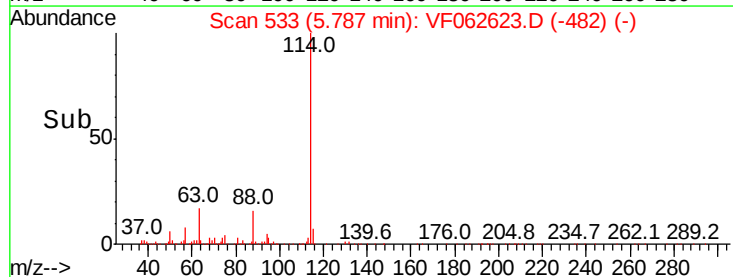
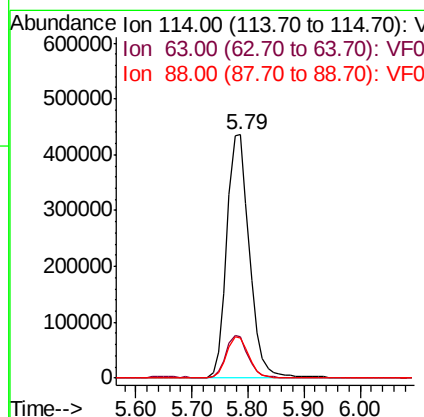
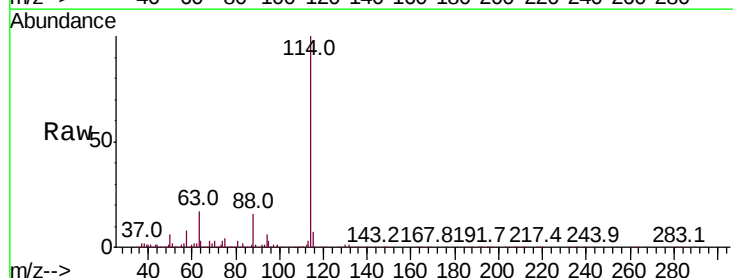
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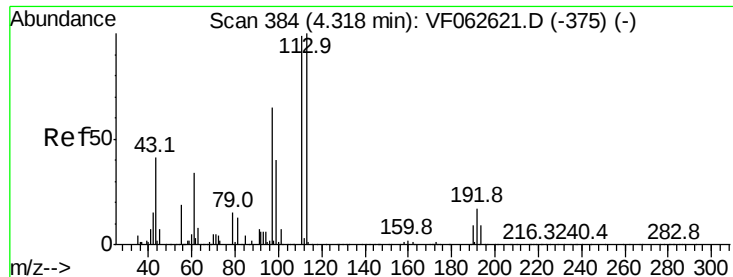
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.4
88	16.2	0.0	32.4





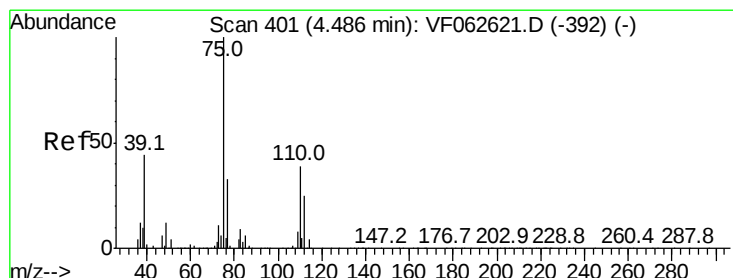
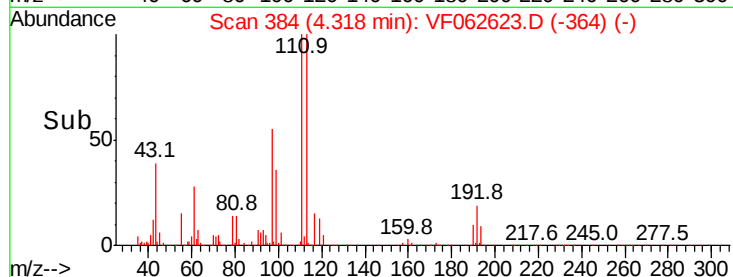
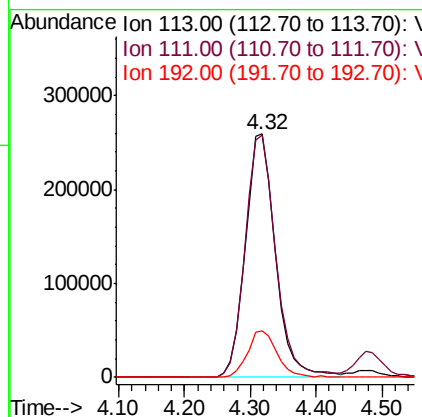
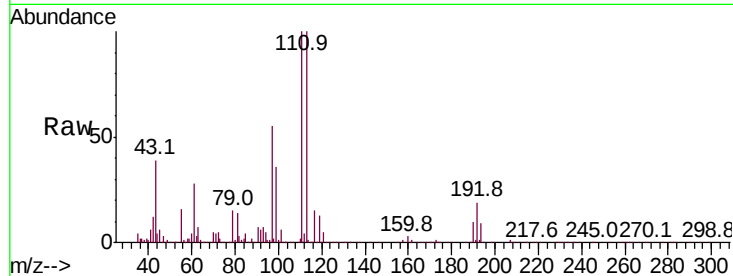
#35
 Dibromofluoromethane
 Concen: 88.381 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	79.4	119.2
192	19.2	13.4	20.2

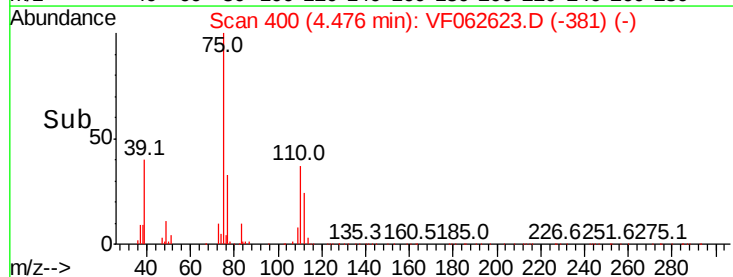
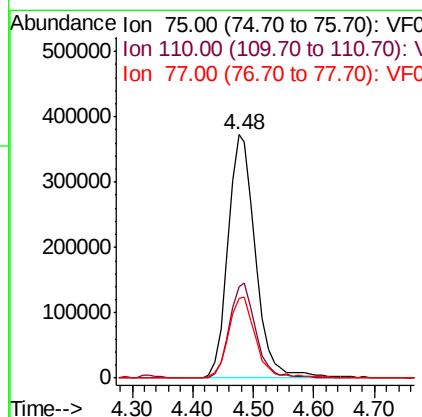
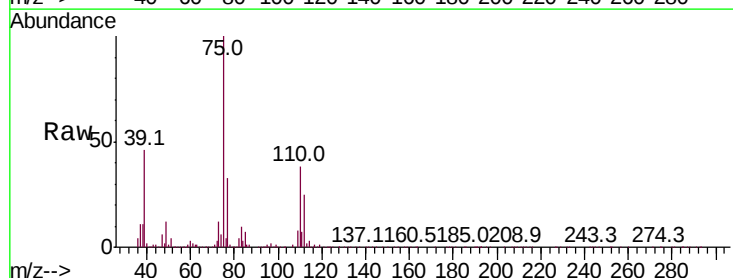
Manual Integrations
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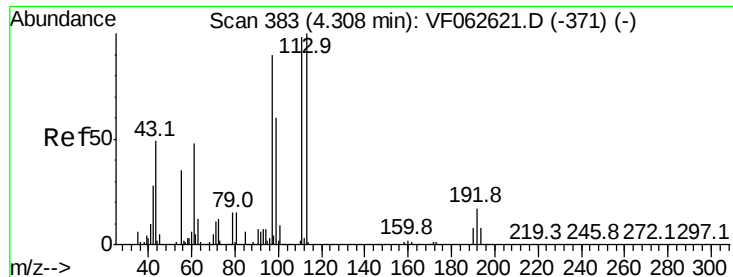
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#36
 1,1-Dichloropropene
 Concen: 93.386 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	19.7	59.1
77	32.9	26.3	39.5





#37

Ethyl Acetate

Concen: 86.918 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

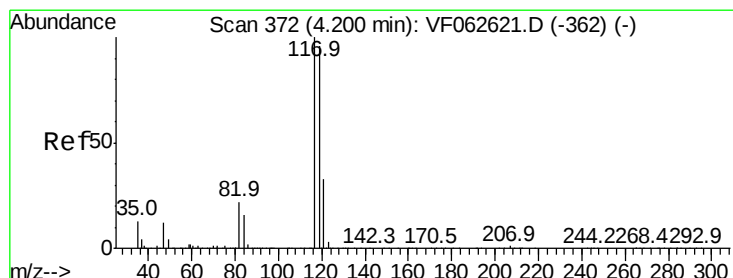
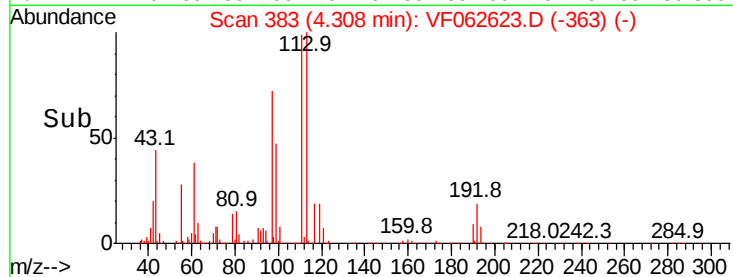
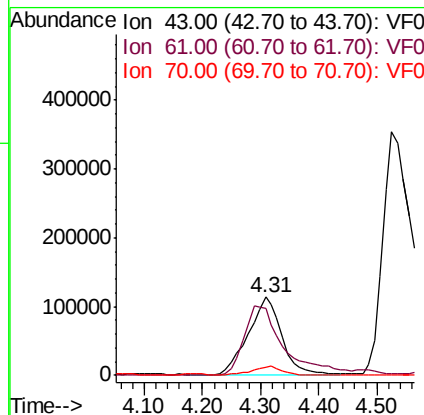
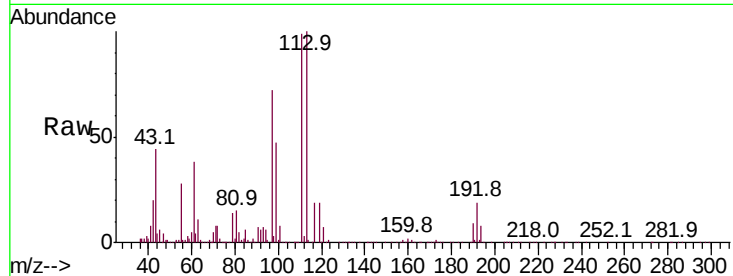
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	447459
Ion Ratio	Lower	Upper	
43	100		
61	86.5	76.9	115.3
70	10.5	8.8	13.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 109.698 ug/l m

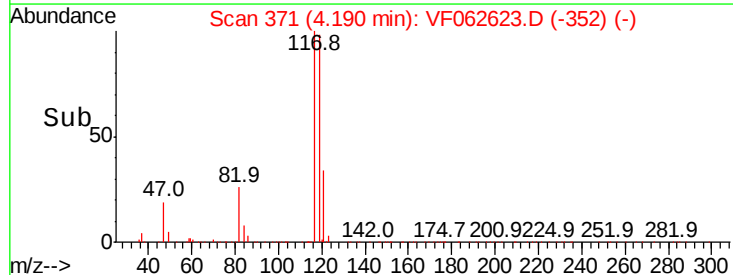
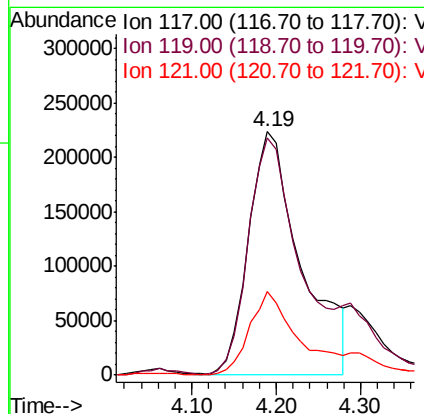
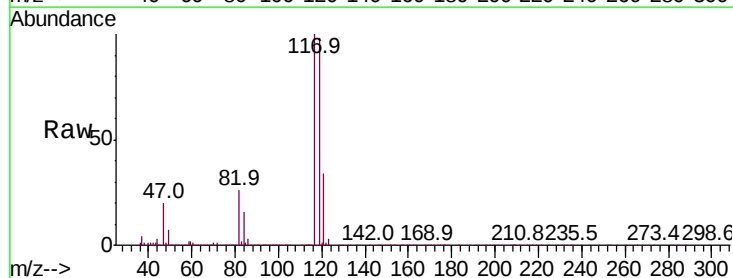
RT: 4.19 min Scan# 371

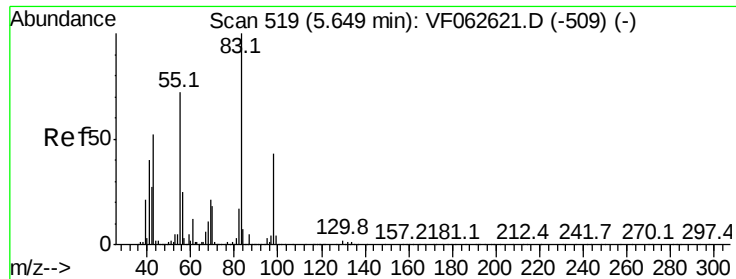
Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion:	117	Resp:	974463
Ion Ratio	Lower	Upper	
117	100		
119	97.6	76.7	115.1
121	34.4	26.6	40.0





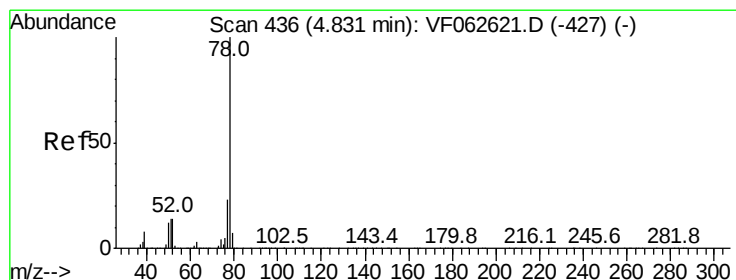
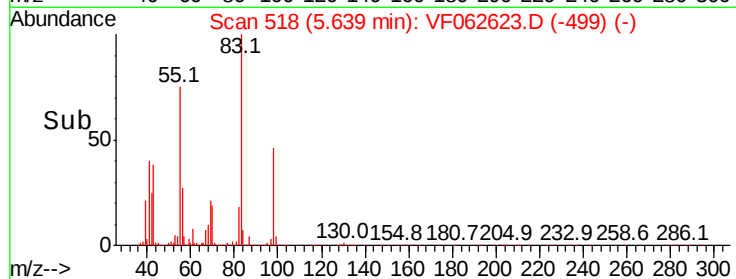
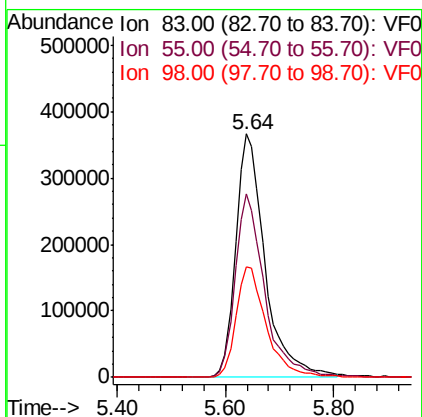
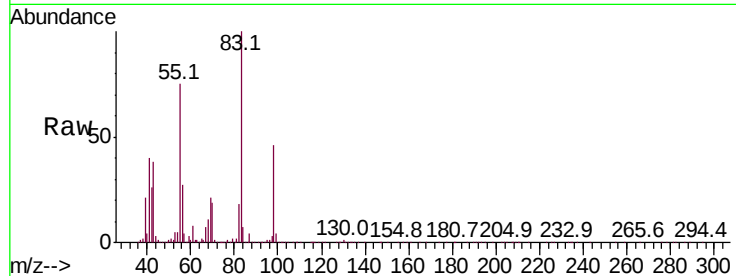
#39
Methvlcvclohexane
Concen: 91.085 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	57.9	86.9
98	45.6	34.6	52.0

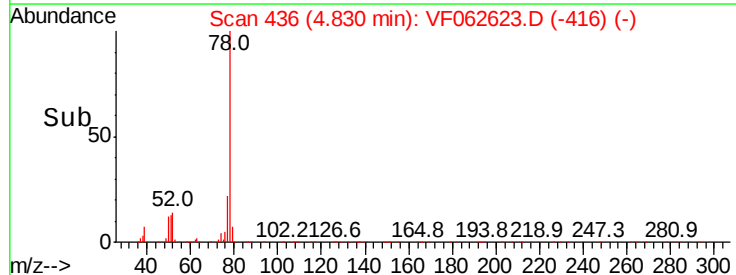
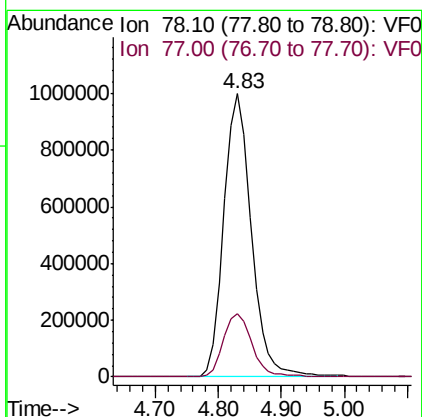
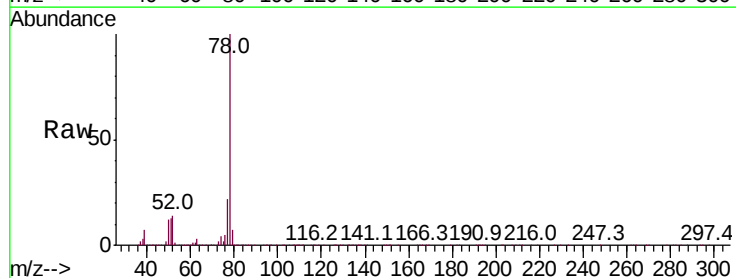
Manual Integrations
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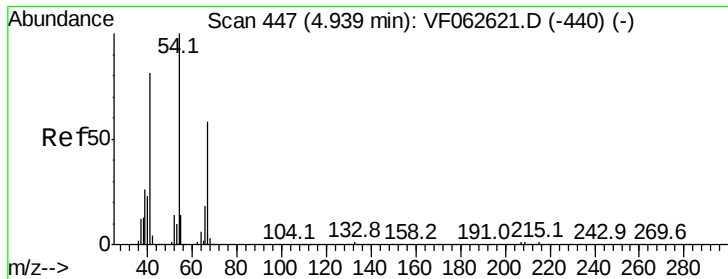
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#40
Benzene
Concen: 88.464 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.2	27.2





#41

Methacrylonitrile

Concen: 89.848 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

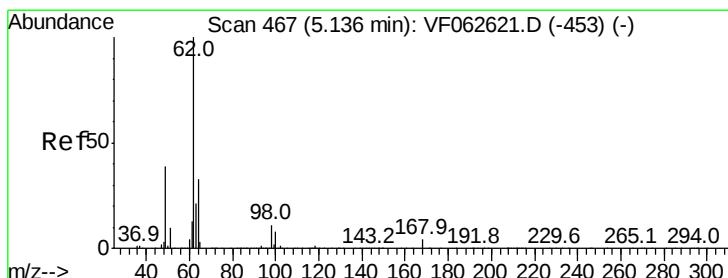
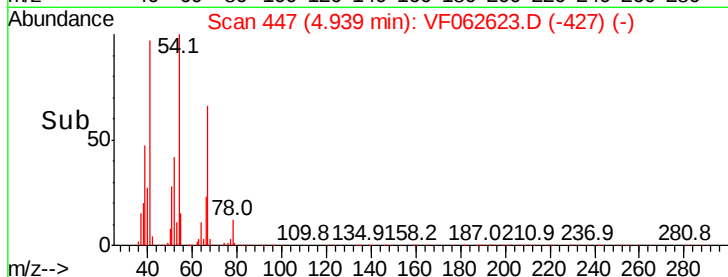
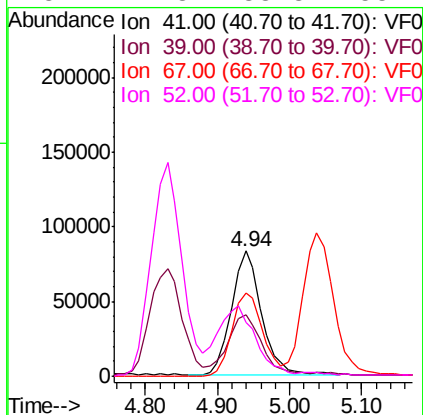
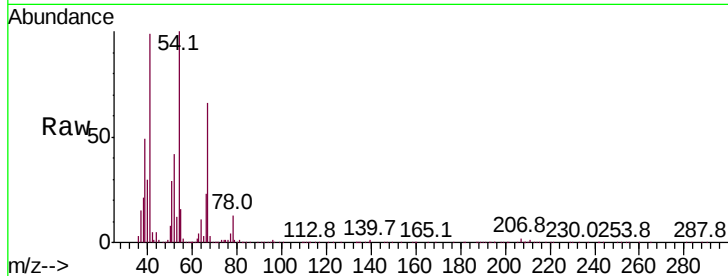
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		242496		
39	49.3	42.2	63.2		
67	66.8	56.4	84.6		
52	42.8	38.8	58.2		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 93.448 ug/l

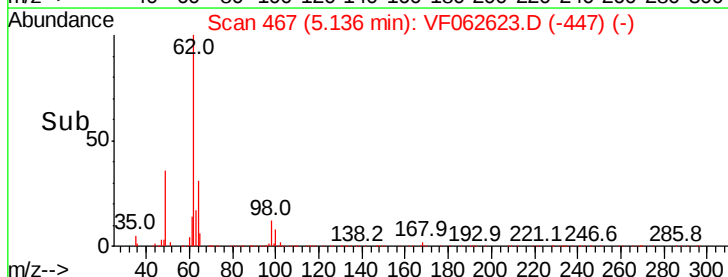
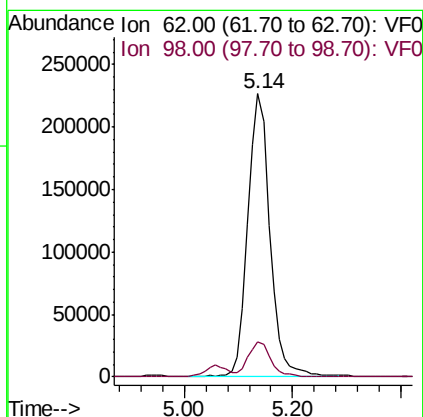
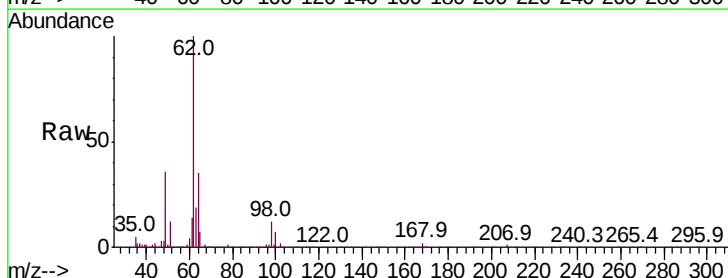
RT: 5.14 min Scan# 467

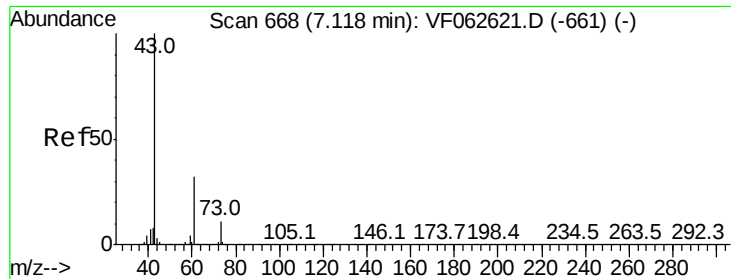
Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		640090		
98	12.3	0.0	21.6		





#43

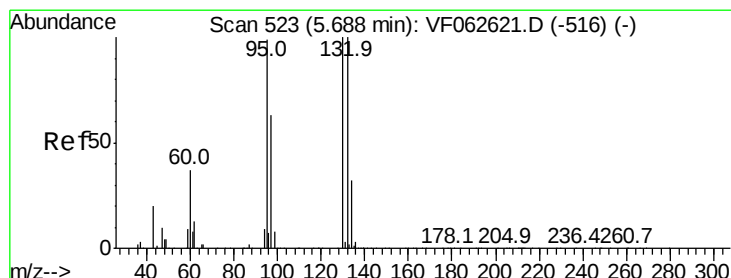
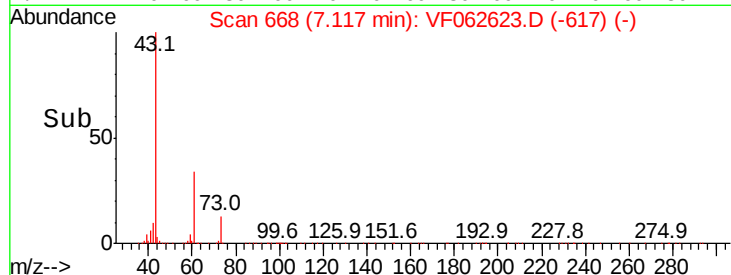
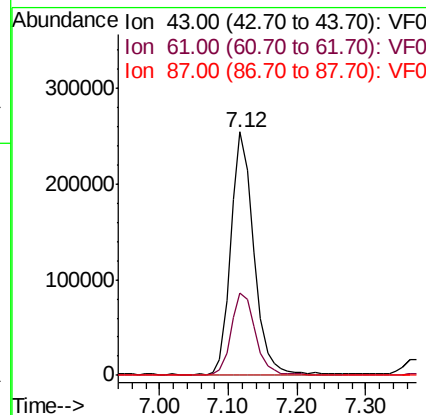
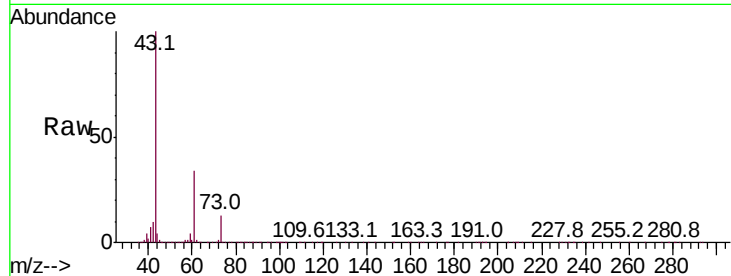
Isopropyl Acetate
 Concen: 88.335 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	25.8	38.8
87	0.3	0.4	0.6

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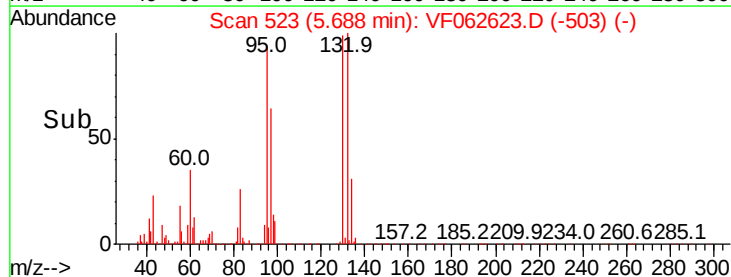
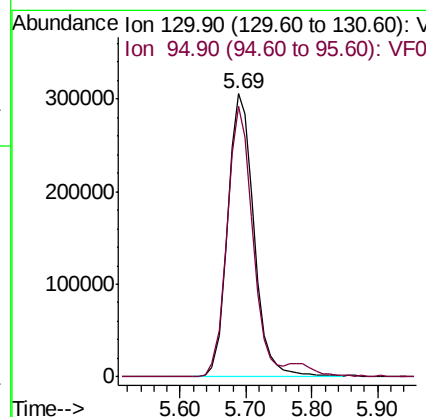
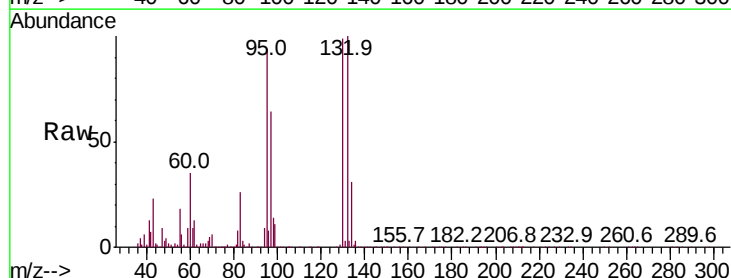
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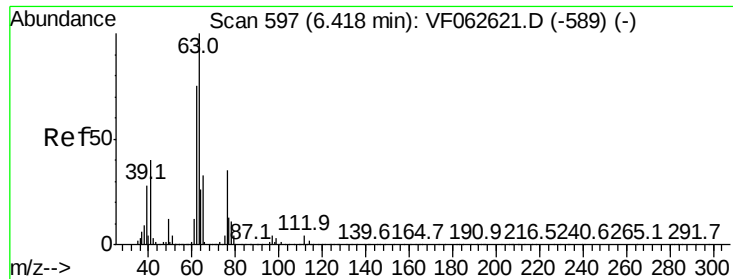


#44

Trichloroethene
 Concen: 88.638 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	199.4





#45

1,2-Dichloropropane

Concen: 90.925 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 788398

Ion Ratio Lower Upper

63 100

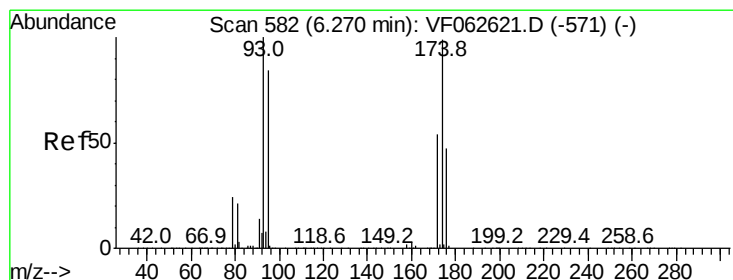
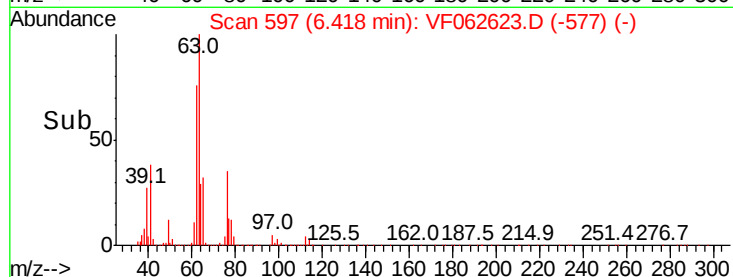
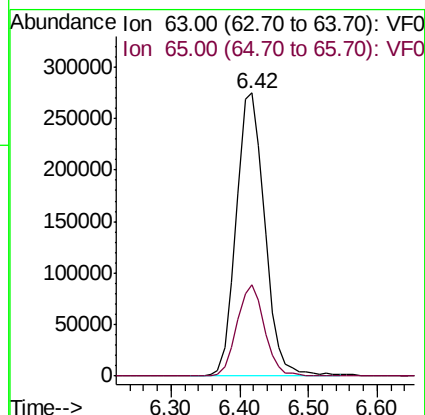
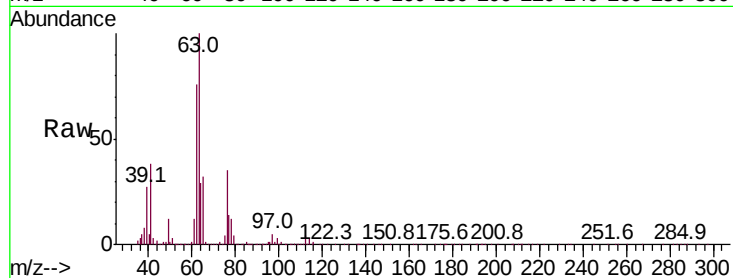
65 32.4 26.3 39.5

Manual Integrations

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5/17/2019 4:20:18 PM



#46

Dibromomethane

Concen: 94.763 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

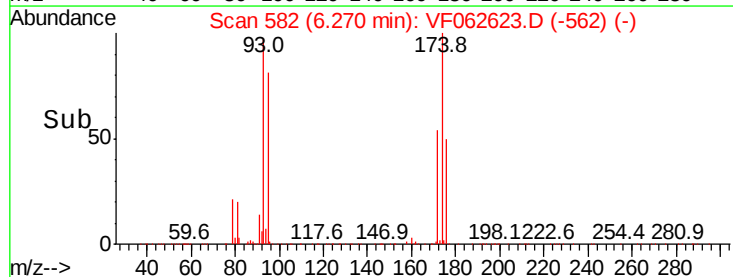
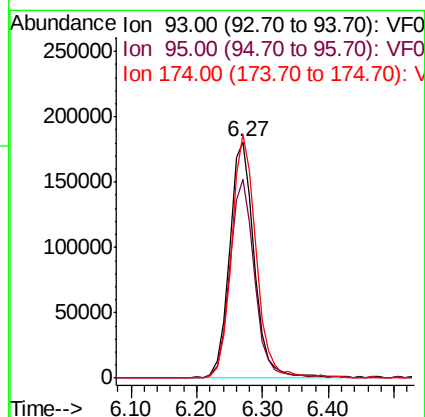
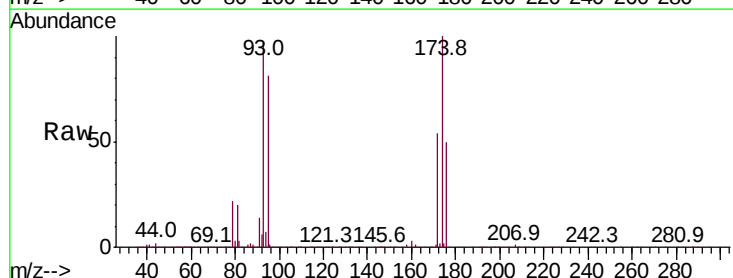
Tgt Ion: 93 Resp: 474870

Ion Ratio Lower Upper

93 100

95 84.0 67.4 101.2

174 103.2 79.4 119.2





#47

Bromodichloromethane

Concen: 93.405 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

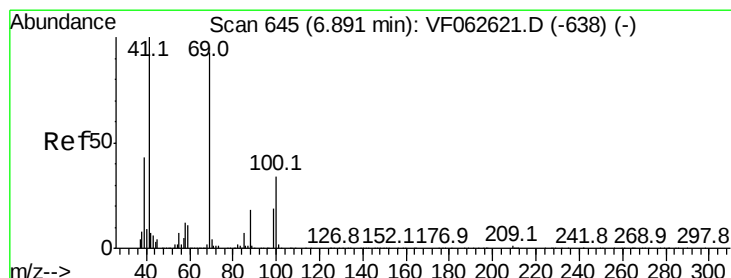
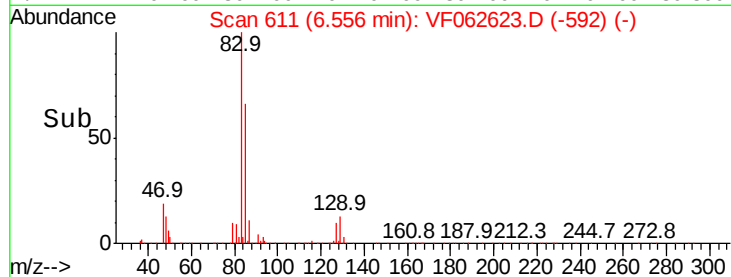
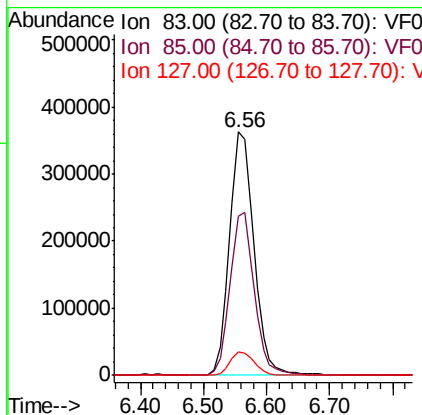
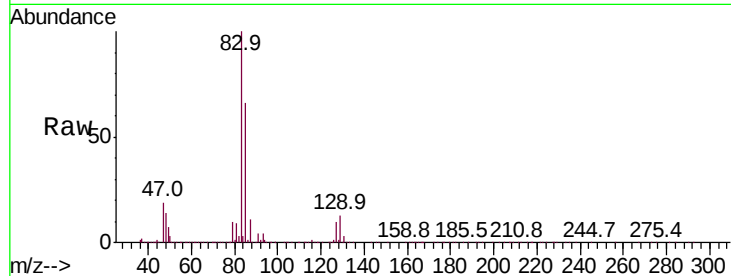
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	971702
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.0	78.0
127	9.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 93.864 ug/l

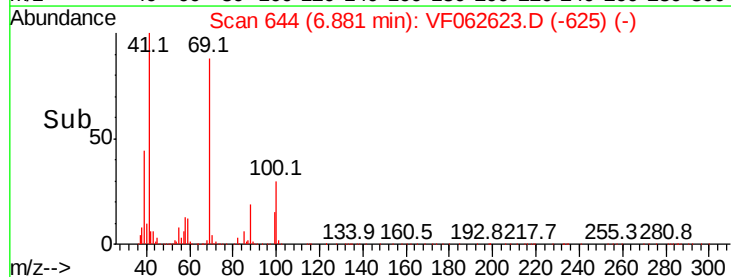
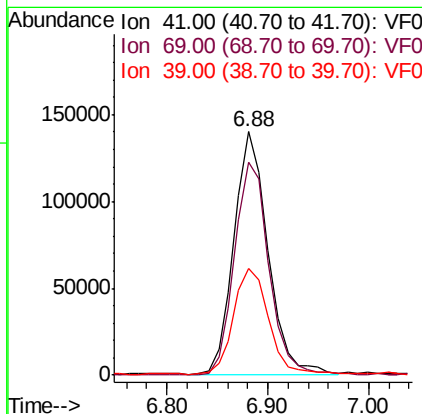
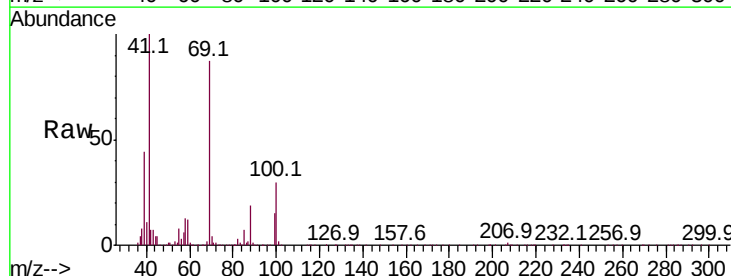
RT: 6.88 min Scan# 644

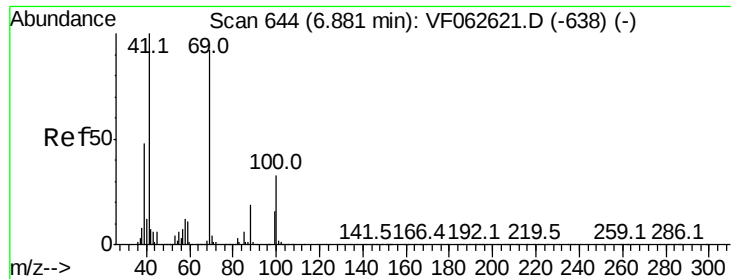
Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion:	41	Resp:	327212
Ion Ratio	Lower	Upper	
41	100		
69	87.5	74.2	111.2
39	44.0	34.2	51.4





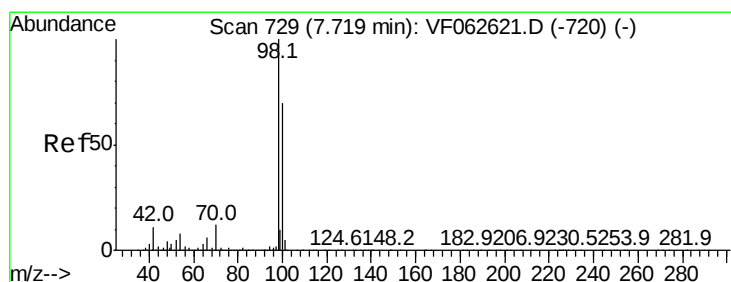
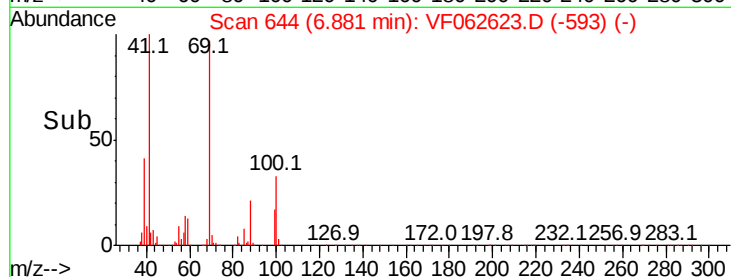
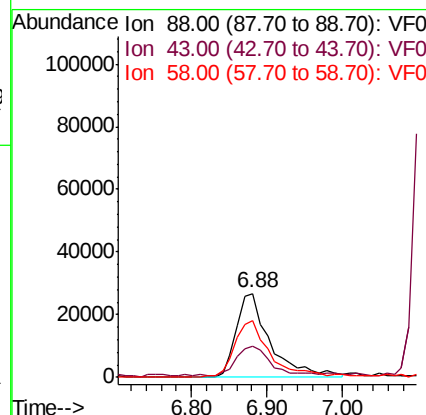
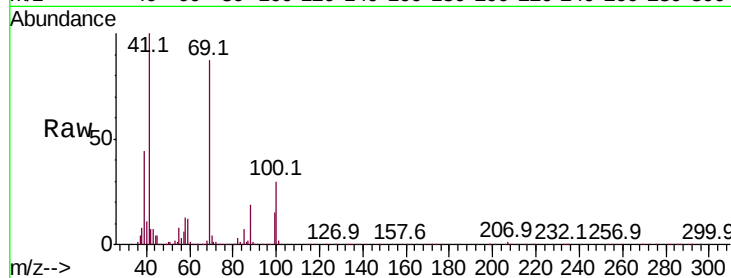
#49
1,4-Dioxane
Concen: 1870.605 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.0	45.0
58	67.2	51.1	76.7

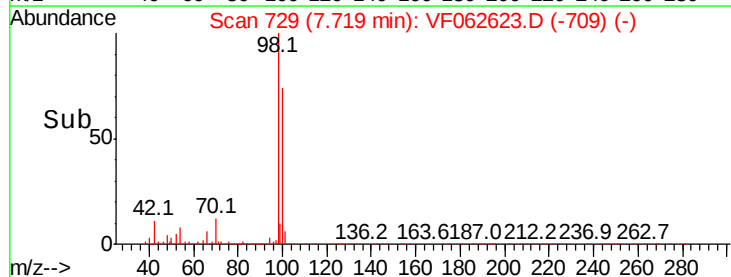
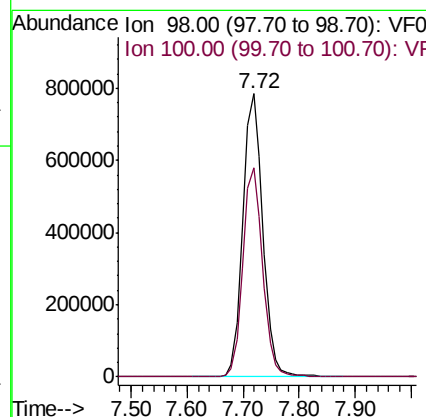
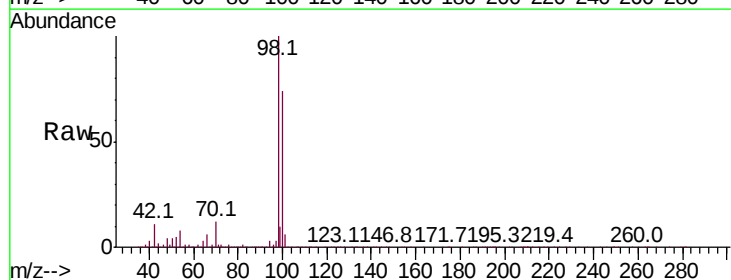
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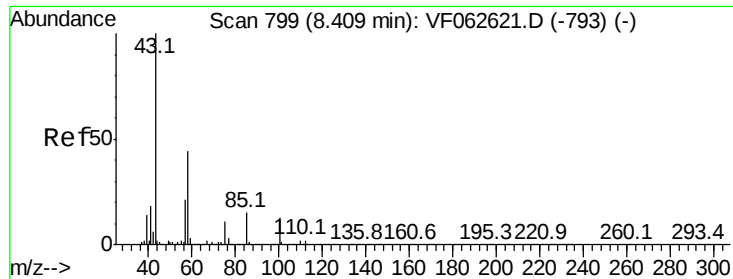
MMDadoda
5/17/2019 4:20:18 PM



#50
Toluene-d8
Concen: 86.397 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.7	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 419.405 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1912002

Ion Ratio Lower Upper

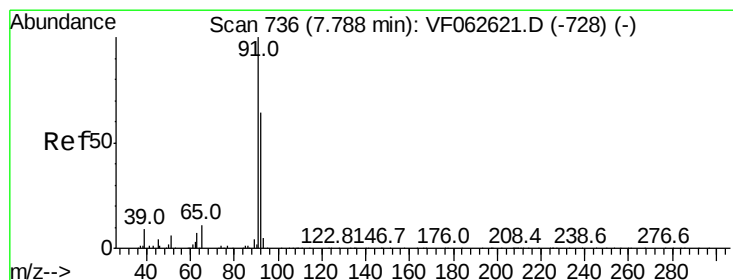
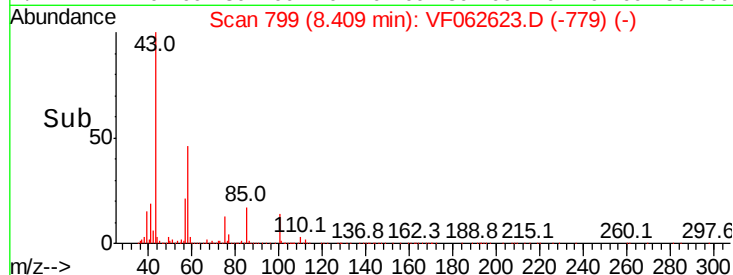
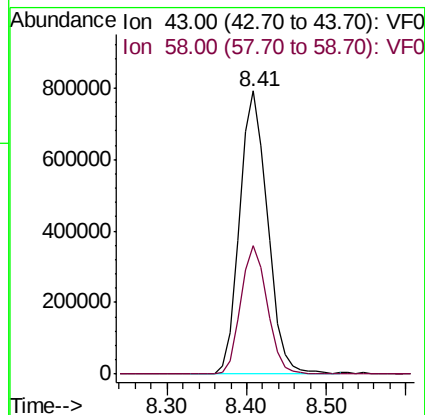
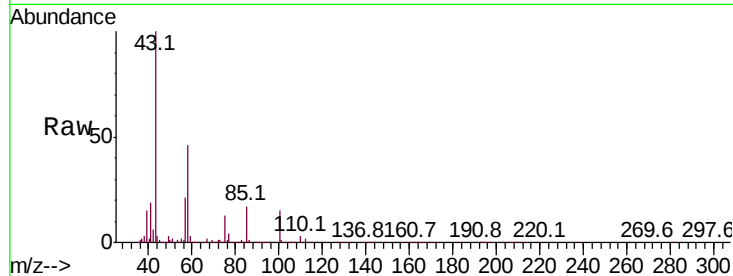
43 100

58 45.6 34.9 52.3

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5/17/2019 4:20:18 PM



#52

Toluene

Concen: 92.830 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062623.D

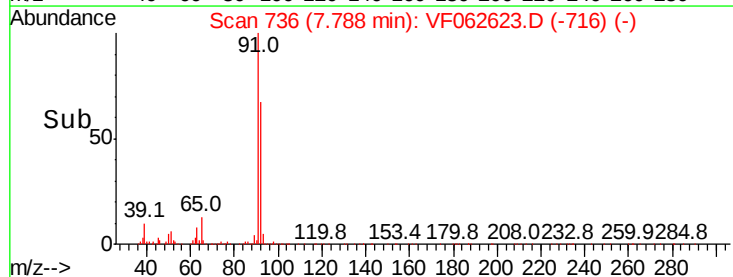
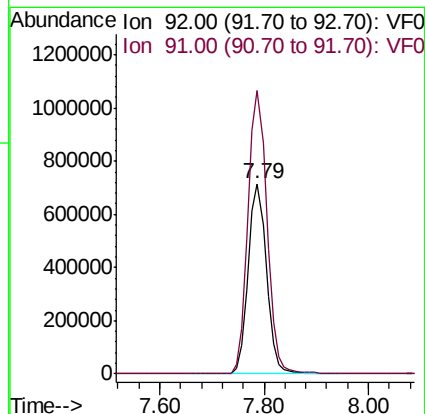
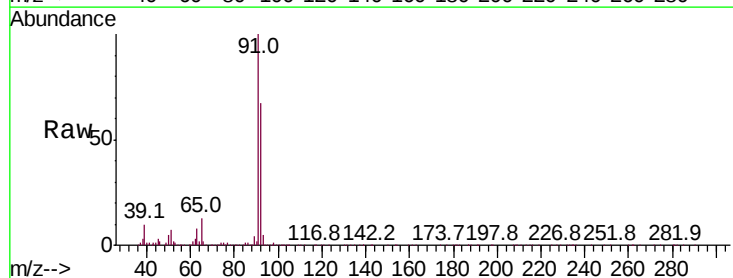
Acq: 16 May 2019 12:57

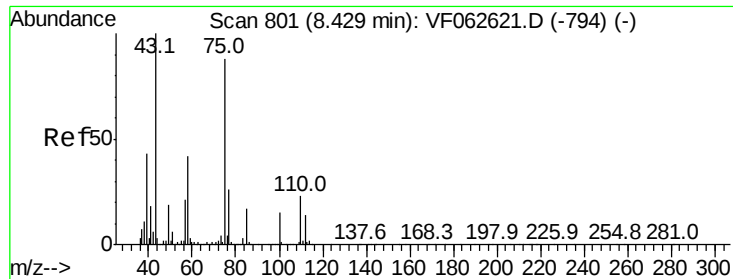
Tgt Ion: 92 Resp: 1672248

Ion Ratio Lower Upper

92 100

91 149.0 125.4 188.0





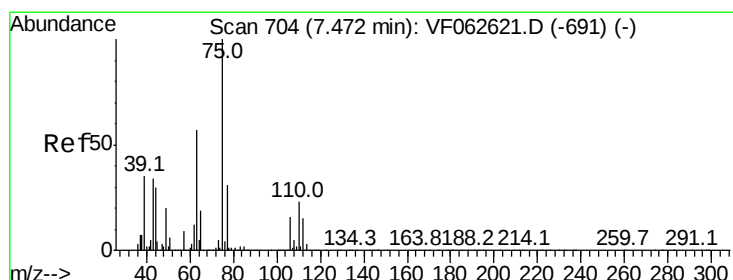
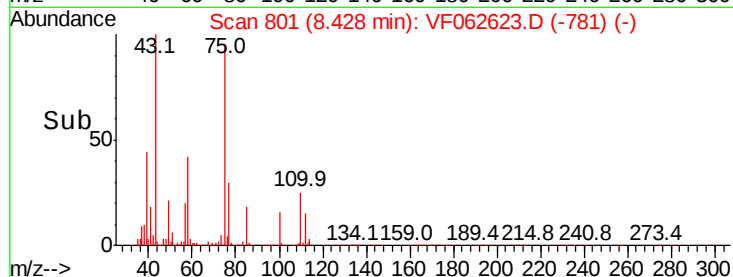
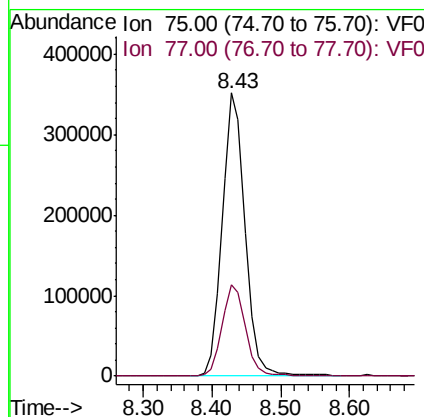
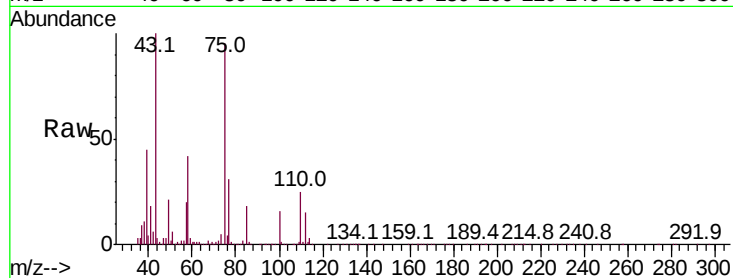
#53
t-1,3-Dichloropropene
Concen: 94.537 ug/l
RT: 8.43 min Scan# 801
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.2	36.4

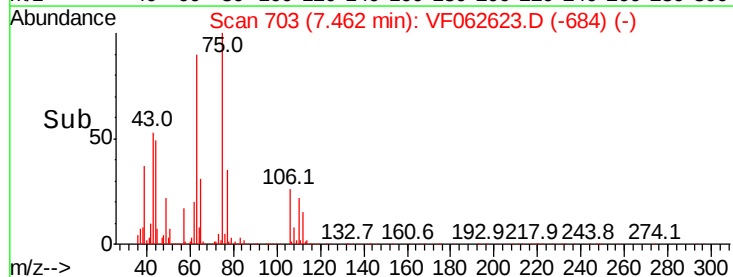
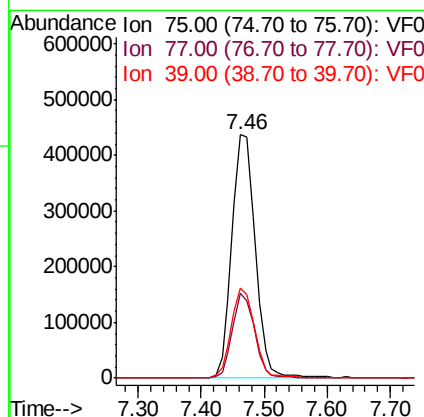
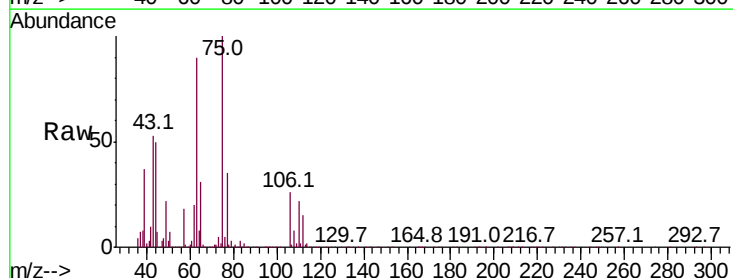
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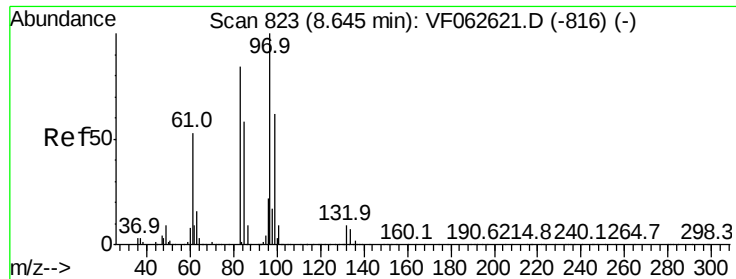
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 94.396 ug/l
RT: 7.46 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.9	25.3	37.9
39	37.1	28.2	42.2





#55

1,1,2-Trichloroethane

Concen: 95.300 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062623.D

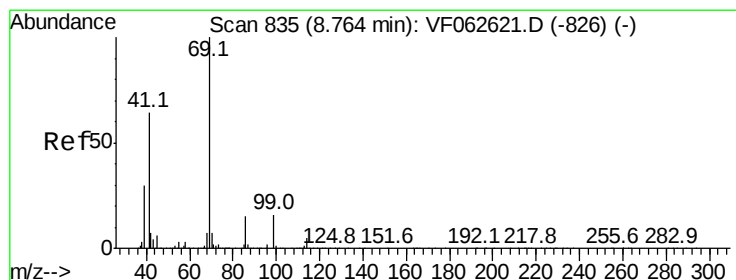
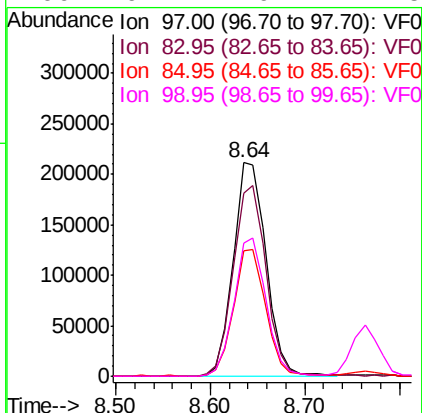
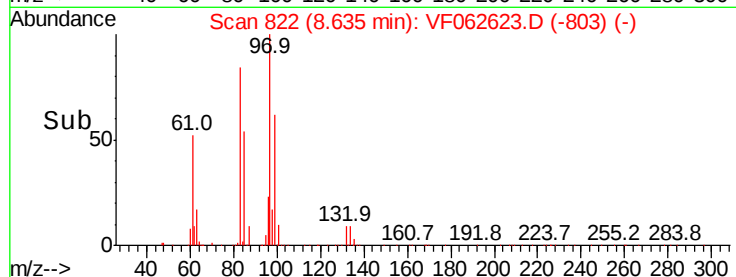
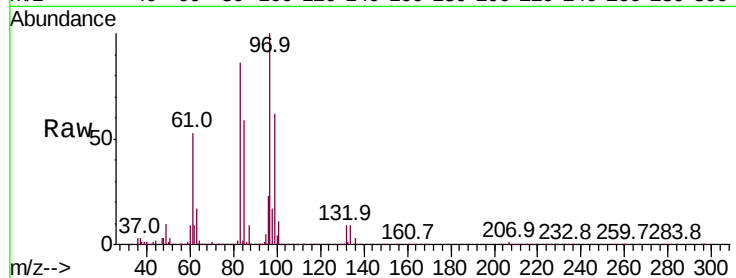
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	97	Resp	508302
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.3	100.9
85	58.6	46.6	69.8
99	62.1	49.7	74.5

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#56

Ethyl methacrylate

Concen: 91.750 ug/l

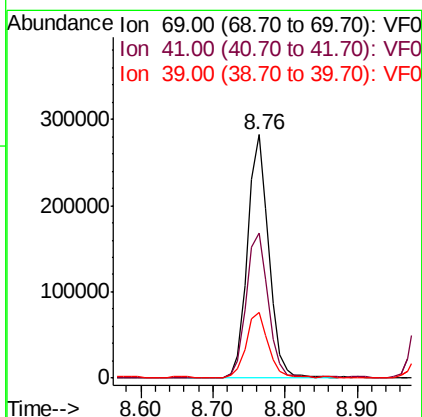
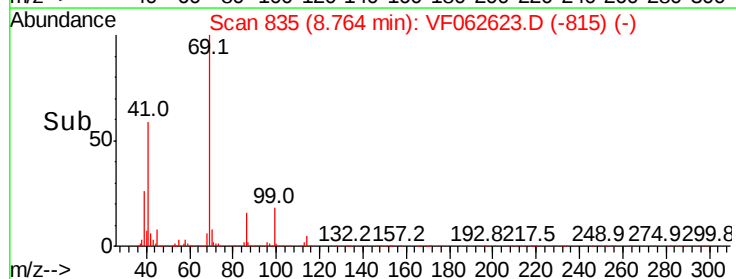
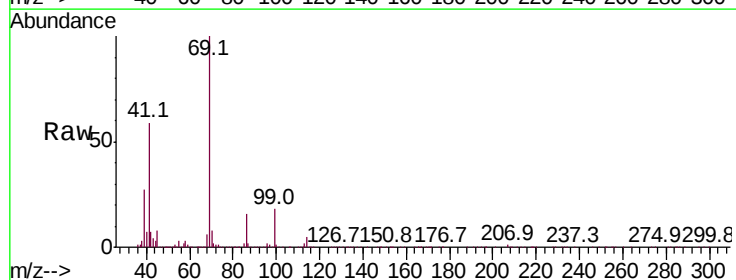
RT: 8.76 min Scan# 835

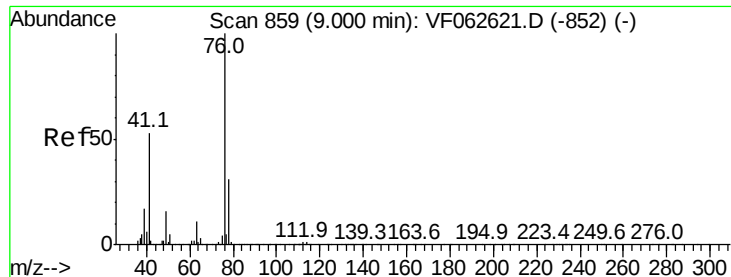
Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion	69	Resp	583020
Ion	Ratio	Lower	Upper
69	100		
41	59.4	51.4	77.2
39	27.0	23.6	35.4





#57

1,3-Dichloropropane

Concen: 94.945 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

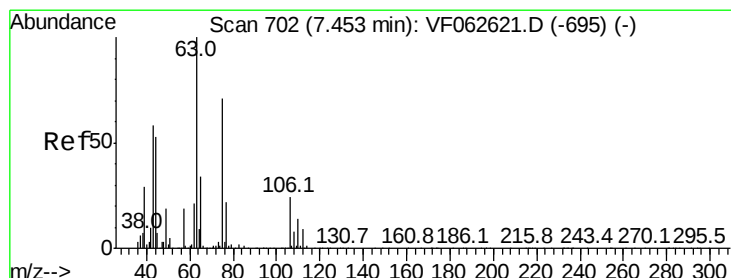
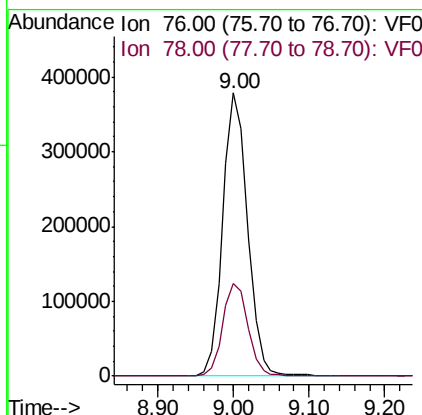
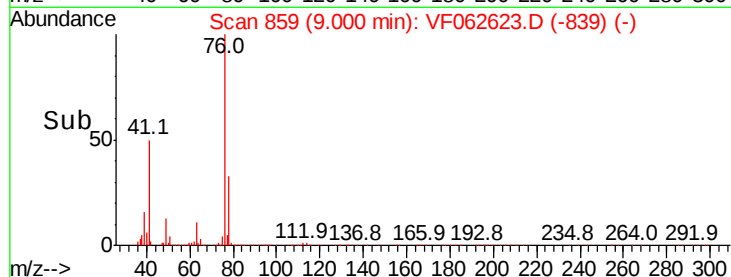
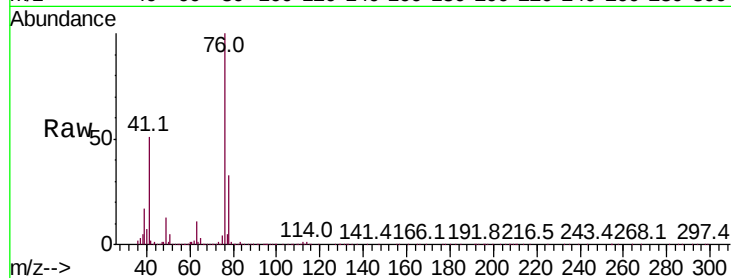
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 862564

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.4	38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 484.406 ug/l

RT: 7.45 min Scan# 702

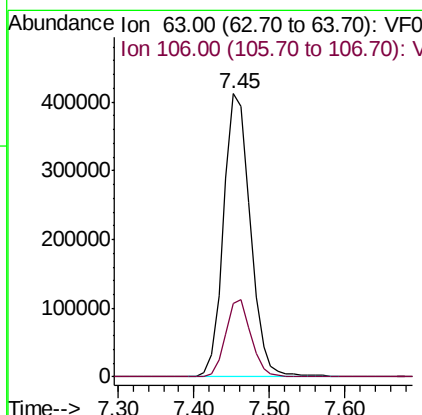
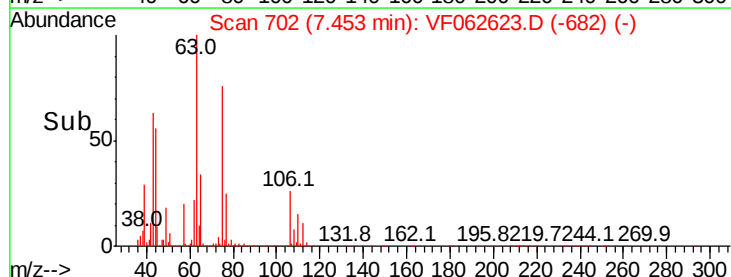
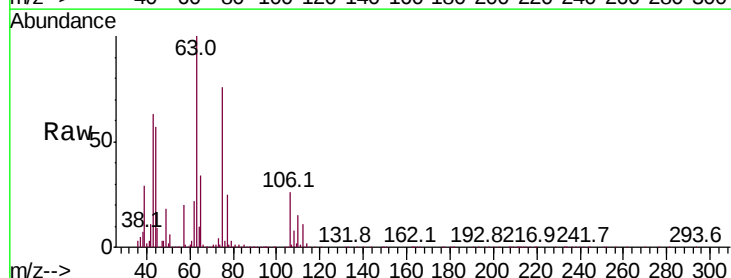
Delta R.T. -0.00 min

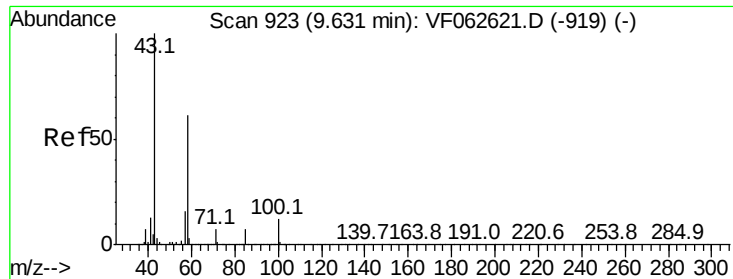
Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion: 63 Resp: 1001935

Ion	Ratio	Lower	Upper
63	100		
106	25.9	19.1	28.7





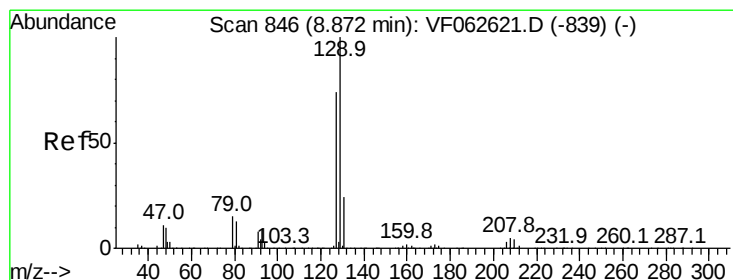
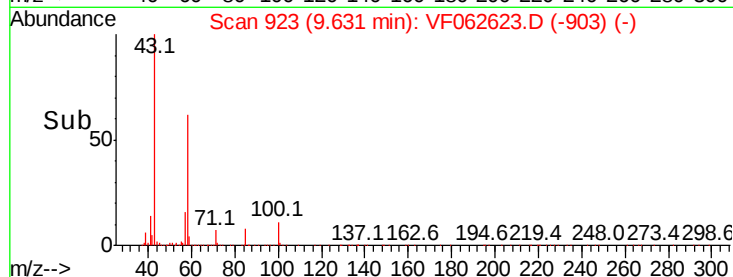
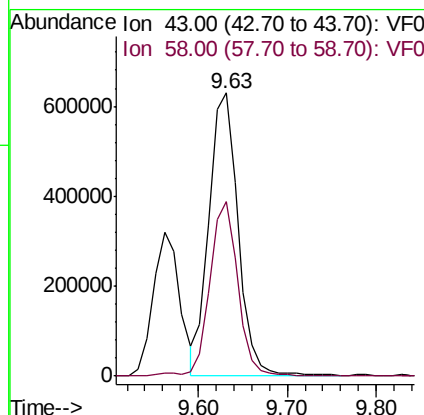
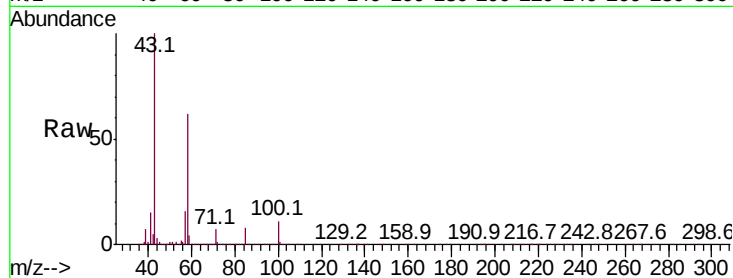
#59
2-Hexanone
Concen: 427.258 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1424116
Ion Ratio Lower Upper
43 100
58 61.7 28.1 84.4

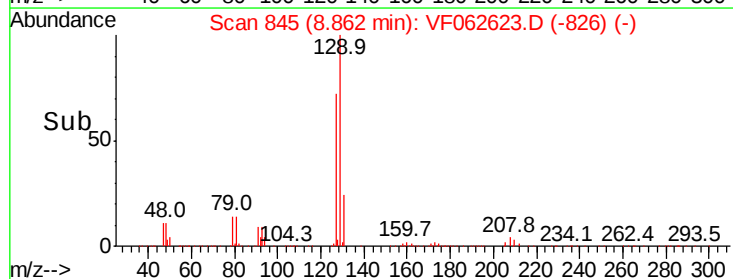
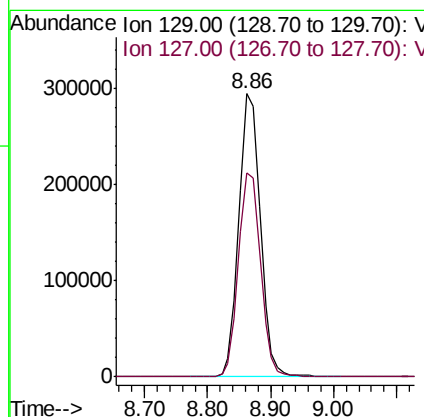
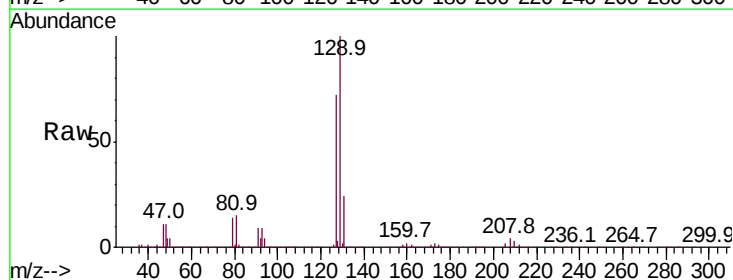
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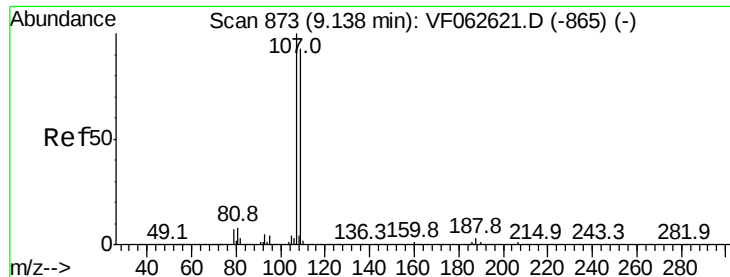
MMDadoda
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#60
Dibromochloromethane
Concen: 99.608 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion: 129 Resp: 692432
Ion Ratio Lower Upper
129 100
127 72.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 98.480 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 557907

Ion Ratio Lower Upper

107 100

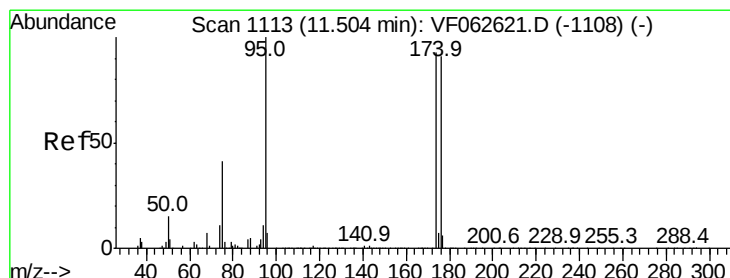
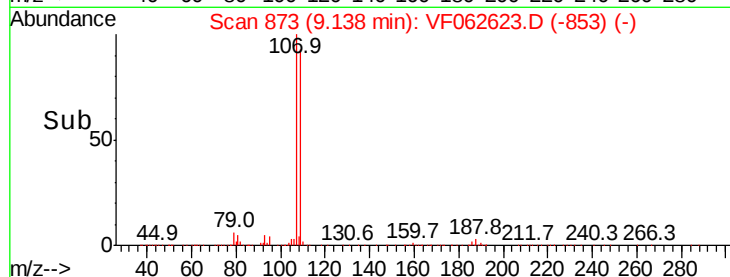
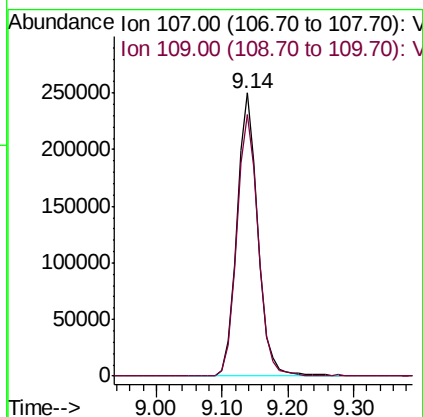
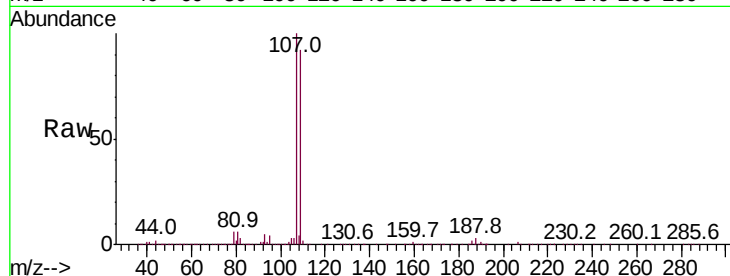
109 92.4 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 94.330 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

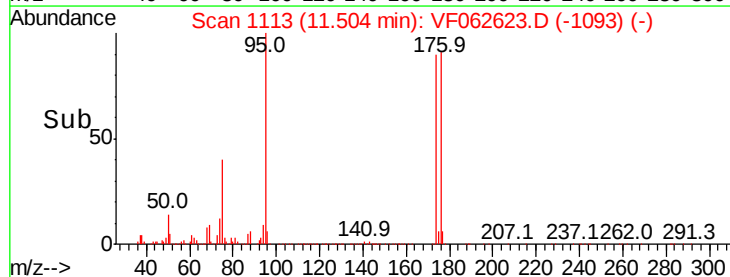
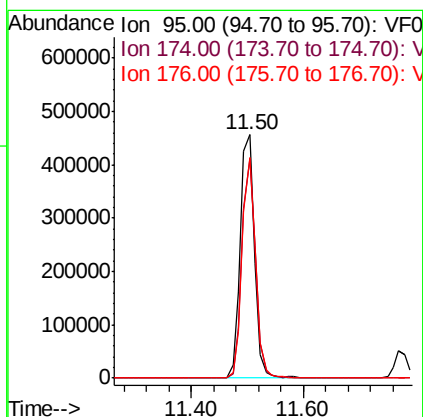
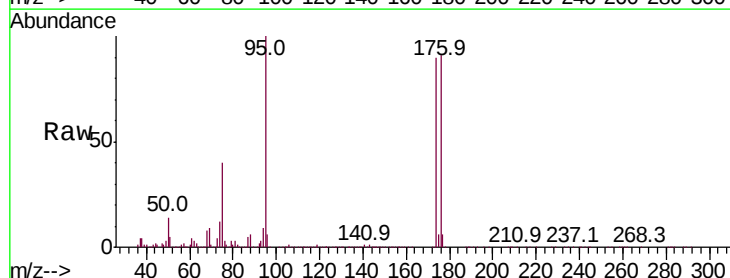
Tgt Ion: 95 Resp: 804277

Ion Ratio Lower Upper

95 100

174 90.3 0.0 185.6

176 90.6 0.0 182.4





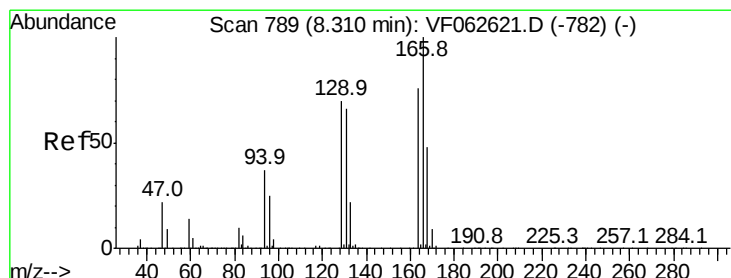
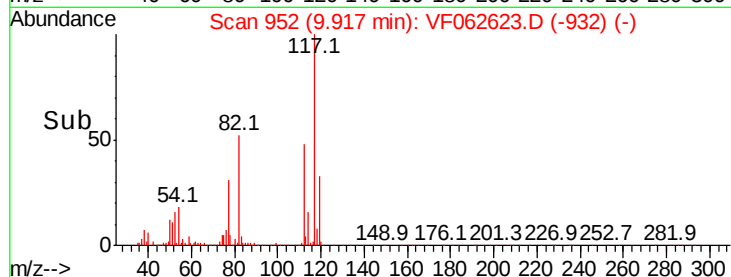
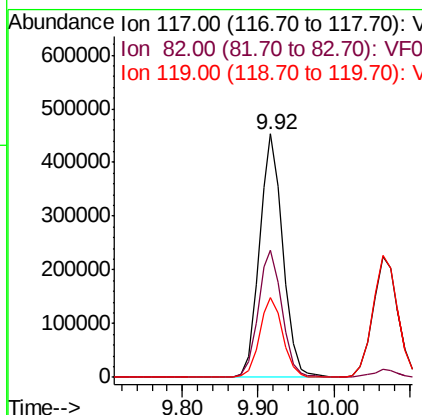
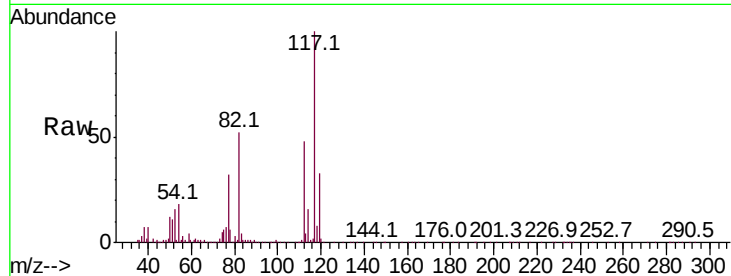
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	52.1	43.3	64.9	
119	32.6	27.4	41.0	

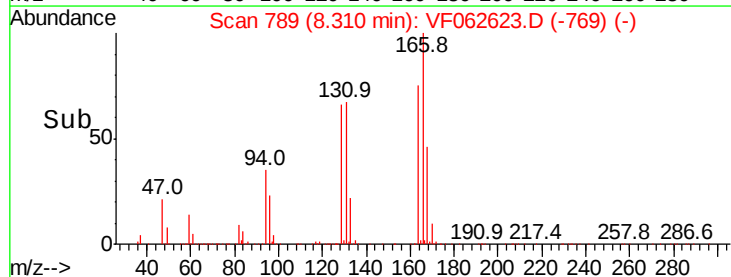
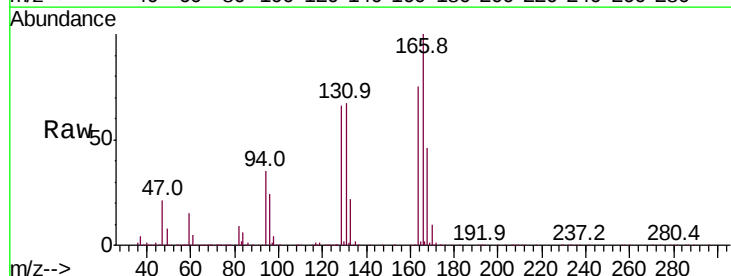
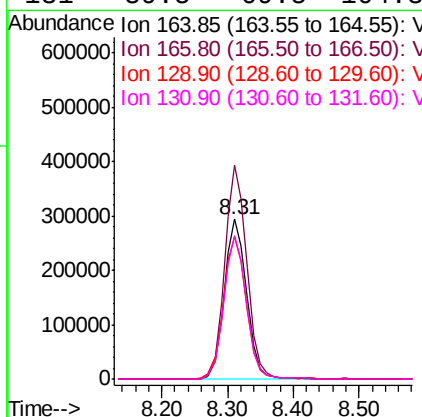
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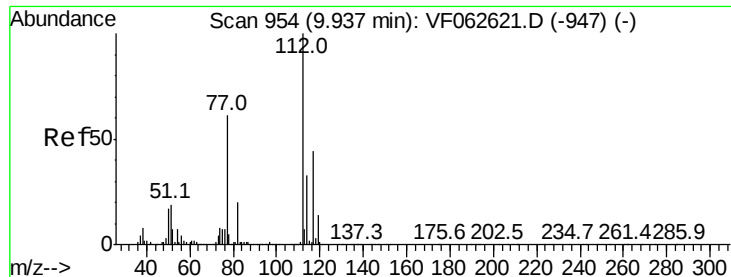
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#64
Tetrachloroethene
Concen: 90.410 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	133.6	105.5	158.3	
129	88.8	73.8	110.6	
131	89.5	69.5	104.3	





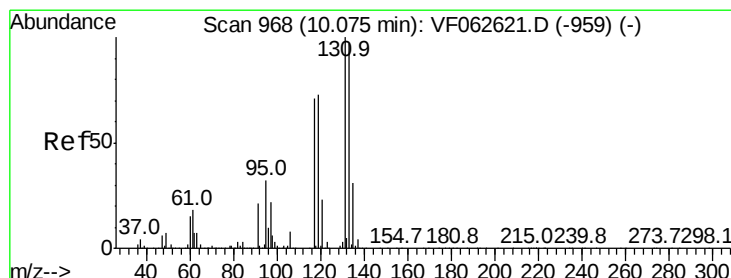
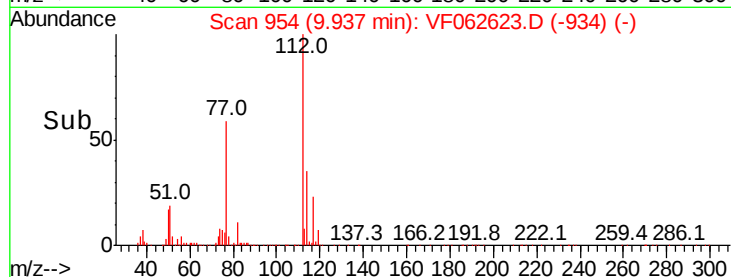
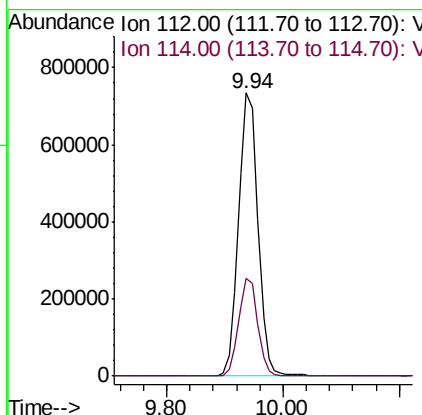
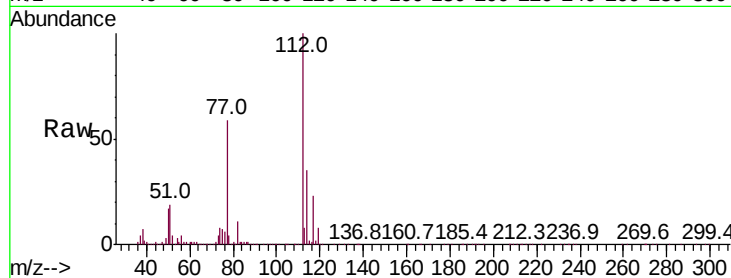
#65
Chlorobenzene
Concen: 88.992 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1706692
Ion Ratio Lower Upper
112 100
114 34.6 26.8 40.2

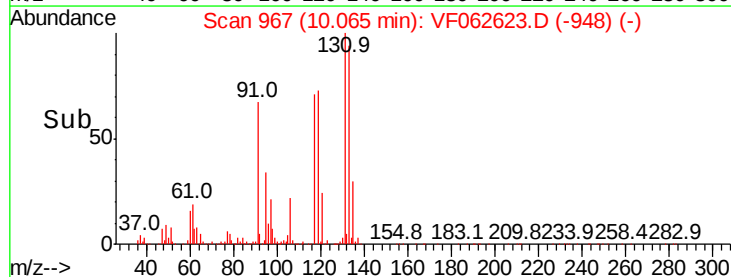
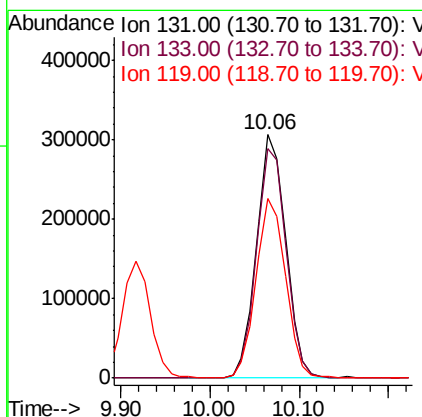
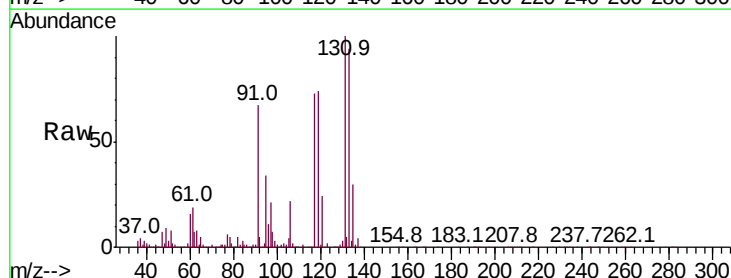
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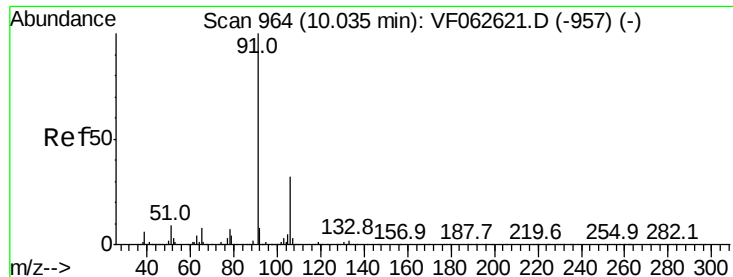
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#66
1,1,1,2-Tetrachloroethane
Concen: 89.873 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion:131 Resp: 691930
Ion Ratio Lower Upper
131 100
133 94.3 48.5 145.5
119 73.8 36.8 110.4





#67

Ethyl Benzene

Concen: 83.586 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2784792

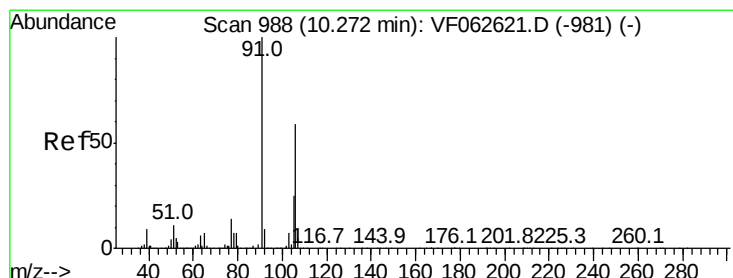
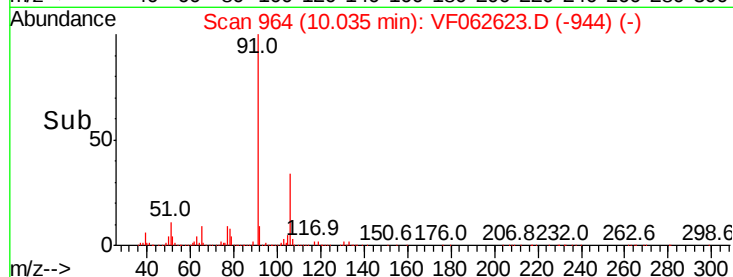
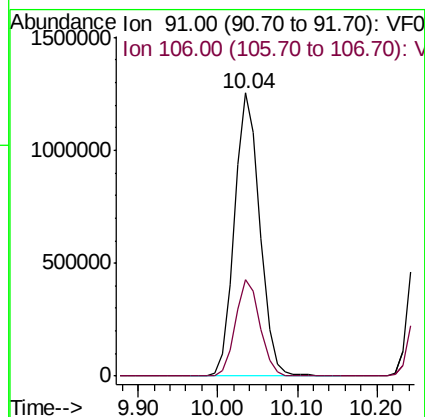
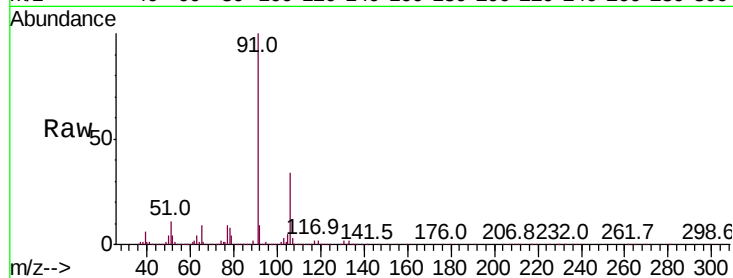
Ion Ratio Lower Upper

91 100

106 34.2 25.8 38.8

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#68

m/p-Xylenes

Concen: 171.821 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062623.D

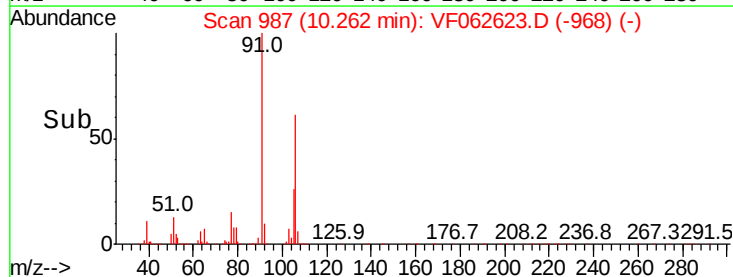
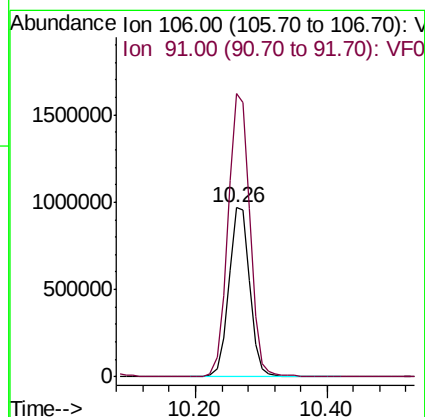
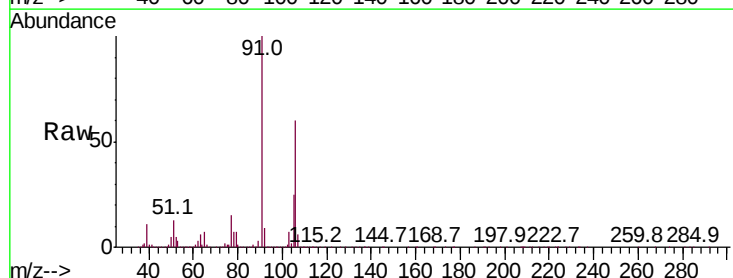
Acq: 16 May 2019 12:57

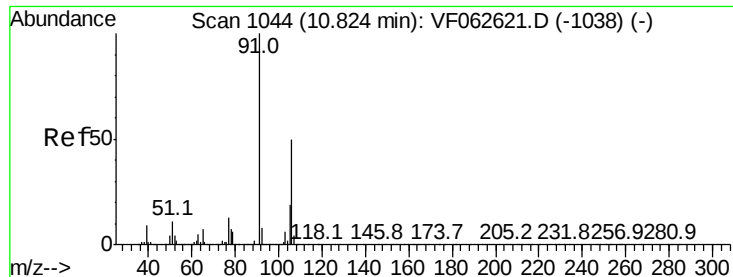
Tgt Ion: 106 Resp: 2151513

Ion Ratio Lower Upper

106 100

91 167.6 136.9 205.3





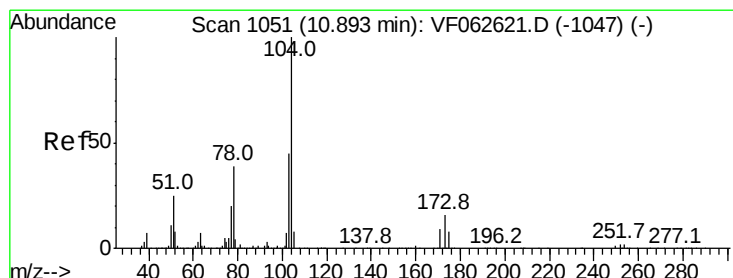
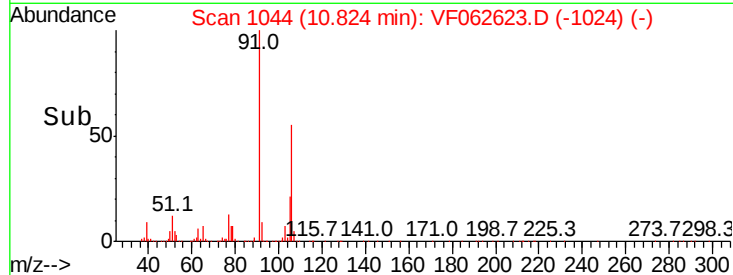
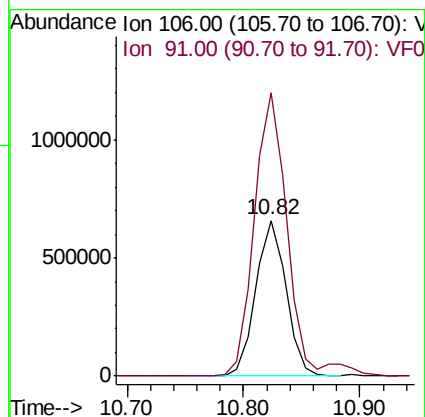
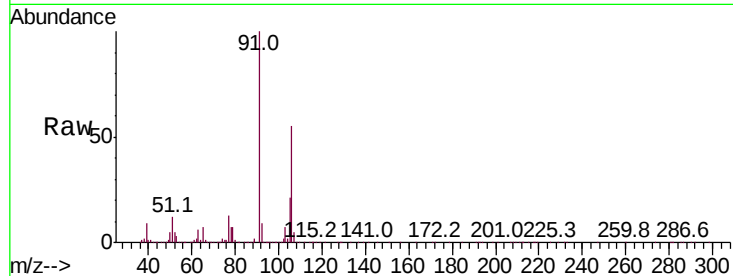
#69
o-Xylene
Concen: 92.262 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1189953
Ion Ratio Lower Upper
106 100
91 182.1 100.2 300.5

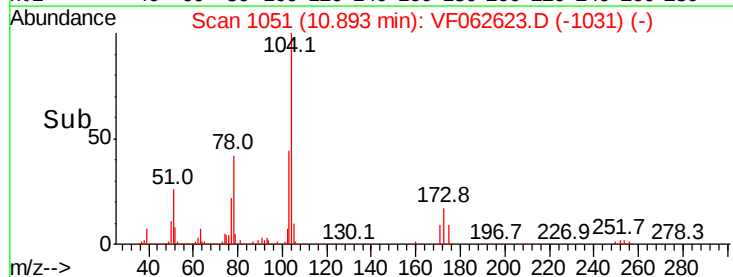
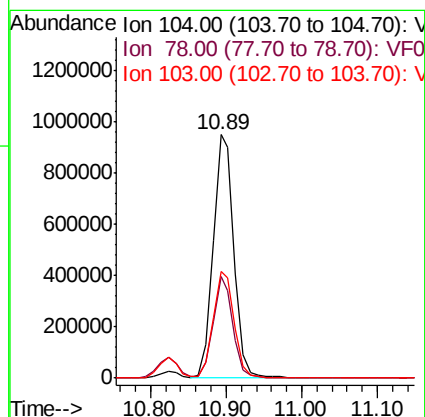
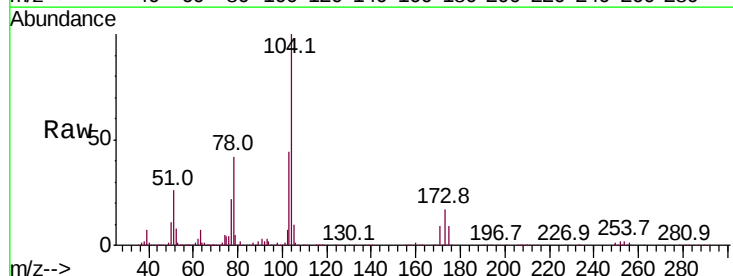
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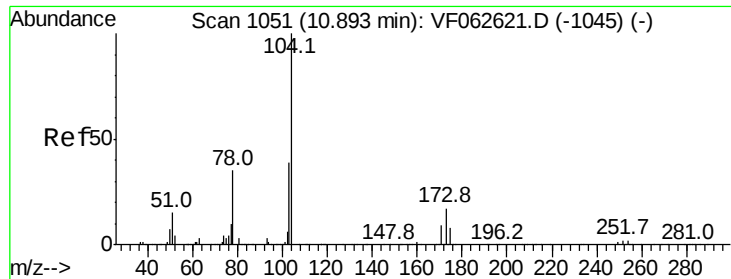
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#70
Styrene
Concen: 92.968 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion:104 Resp: 1822499
Ion Ratio Lower Upper
104 100
78 41.9 31.9 47.9
103 44.0 36.1 54.1





#71

Bromoform

Concen: 104.069 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 401285

Ion Ratio Lower Upper

173 100

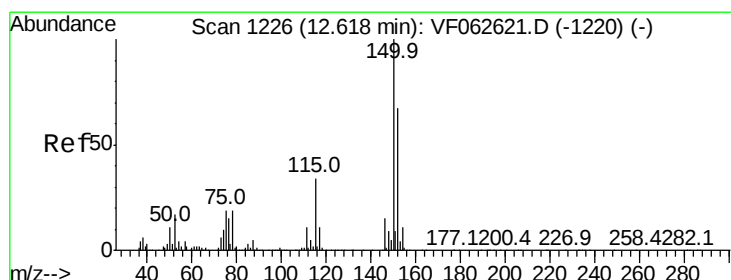
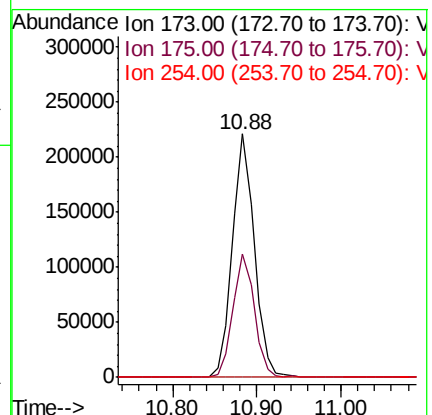
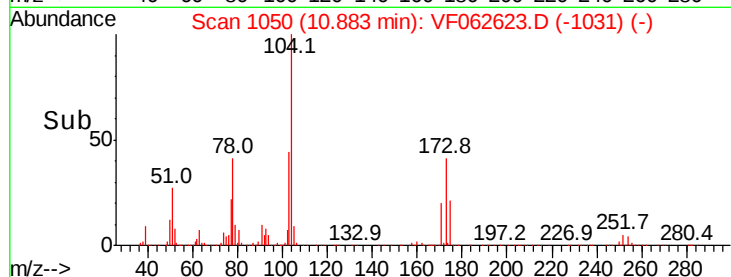
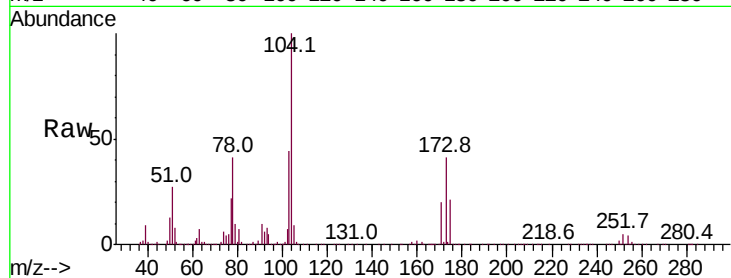
175 50.9 25.3 75.9

254 0.2 0.2 0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

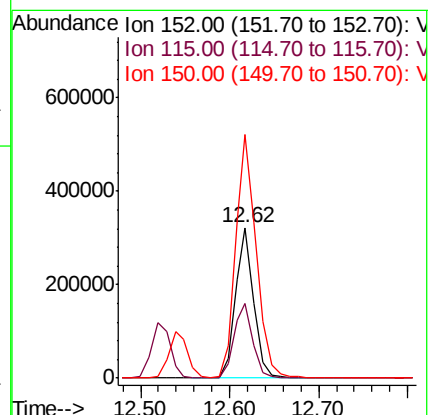
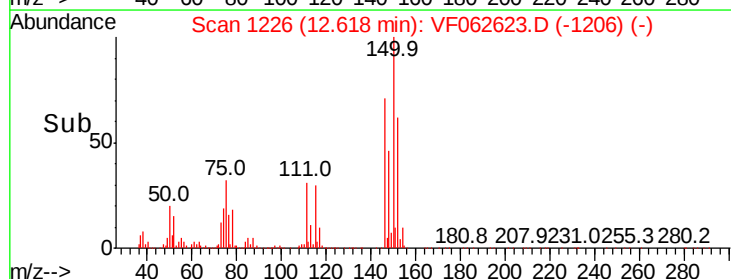
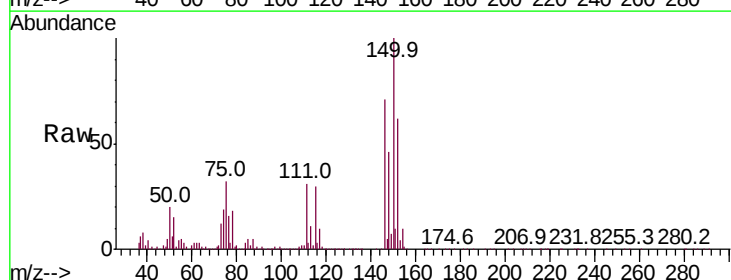
Tgt Ion:152 Resp: 467183

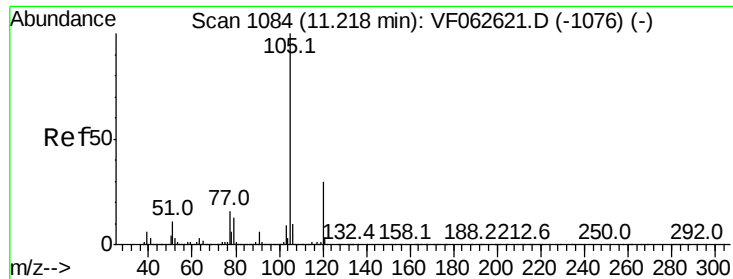
Ion Ratio Lower Upper

152 100

115 49.2 25.2 75.6

150 161.4 0.0 306.2





#73

Isopropylbenzene

Concen: 88.664 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2968806

Ion Ratio Lower Upper

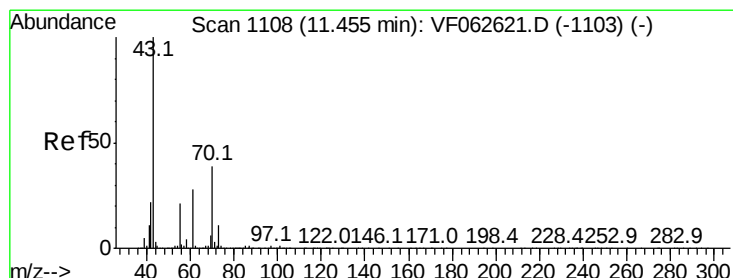
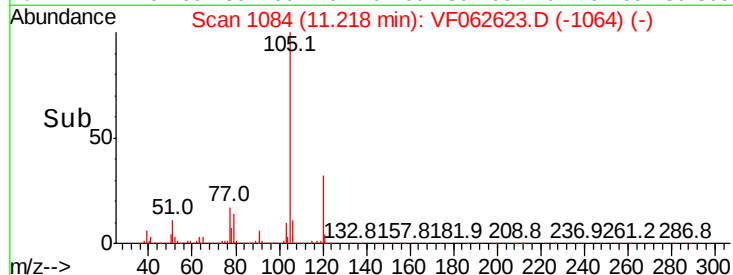
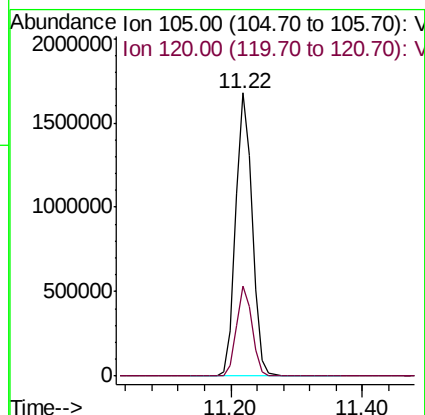
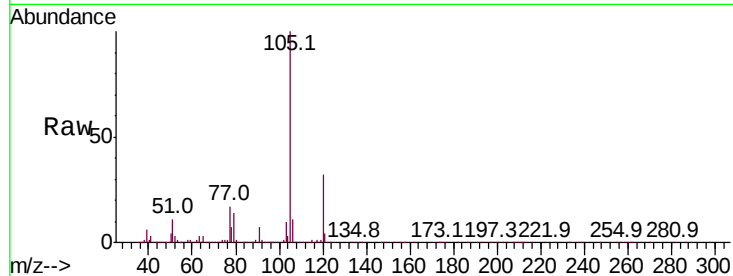
105 100

120 32.0 14.8 44.4

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#74

N-ethyl acetate

Concen: 79.558 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion: 43 Resp: 821824

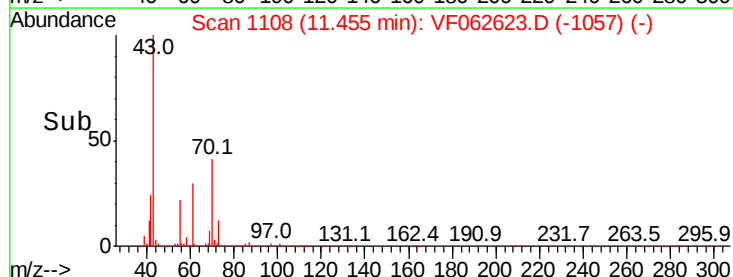
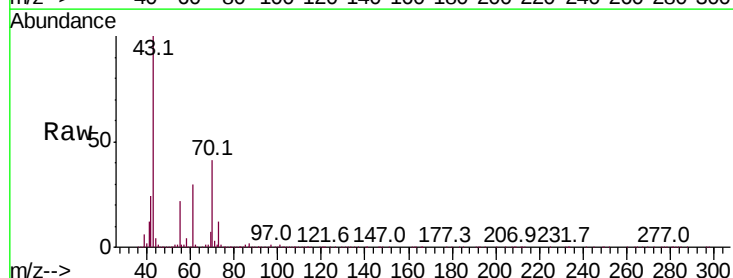
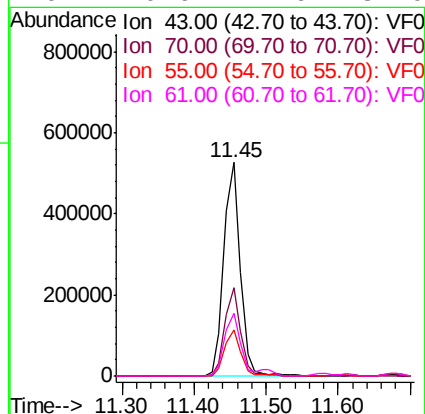
Ion Ratio Lower Upper

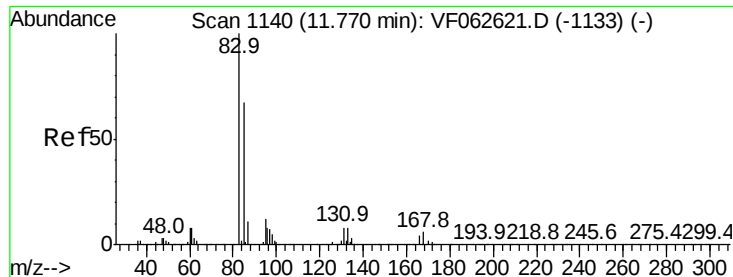
43 100

70 41.1 30.9 46.3

55 21.6 17.0 25.4

61 29.6 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 92.882 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

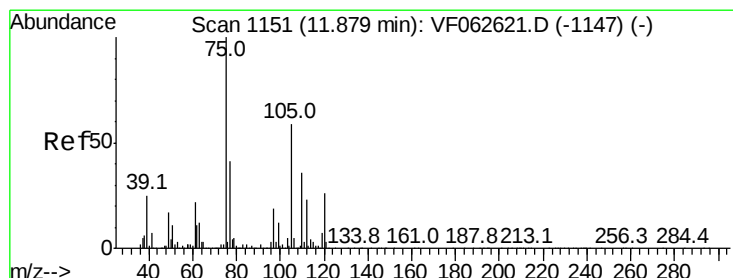
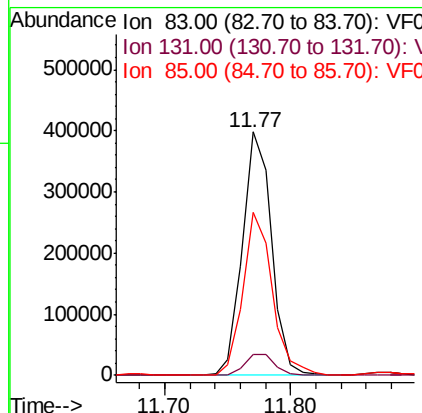
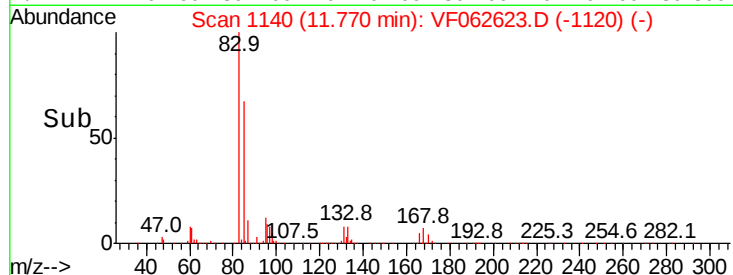
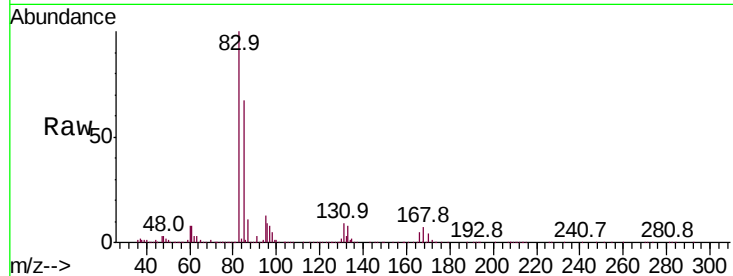
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	635579
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.0	12.0
85	67.0	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 87.745 ug/l

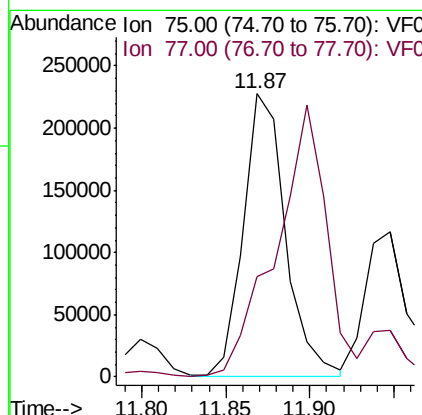
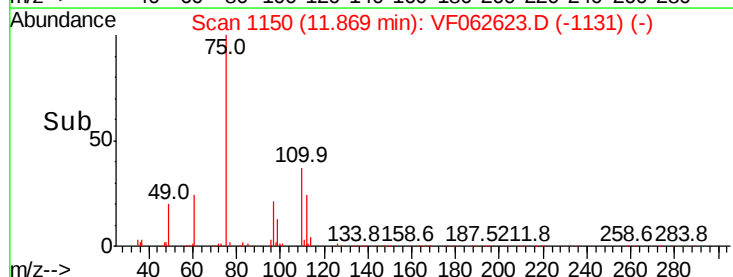
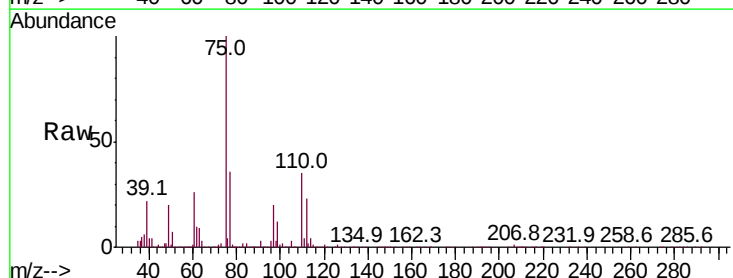
RT: 11.87 min Scan# 1150

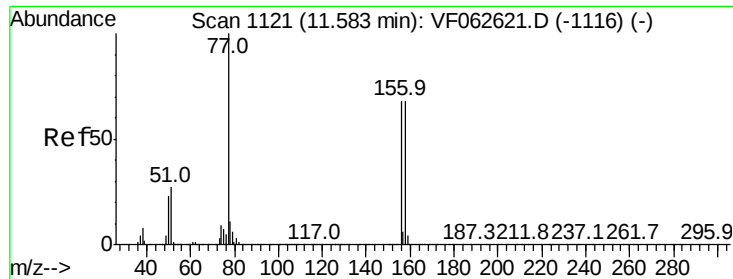
Delta R.T. -0.01 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion:	75	Resp:	394518
Ion Ratio	Lower	Upper	
75	100		
77	35.6	20.6	61.8





#77

Bromobenzene

Concen: 95.818 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

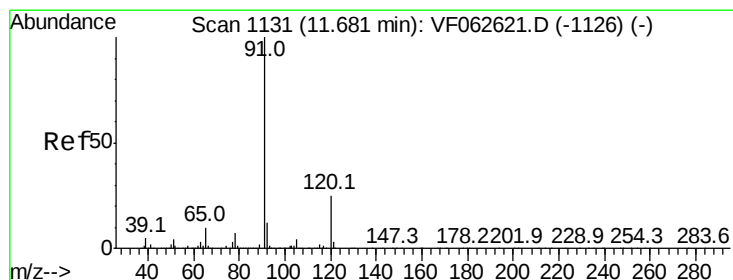
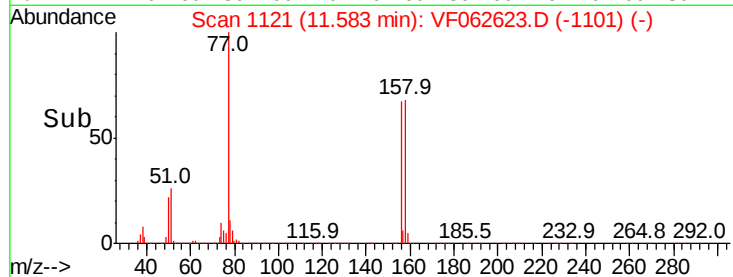
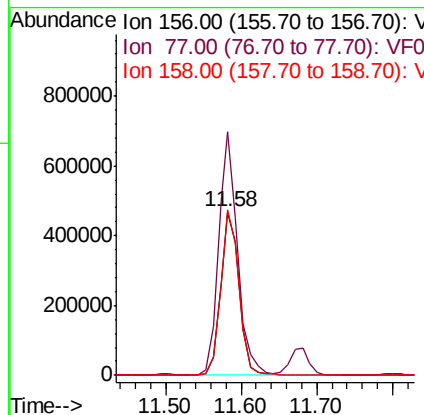
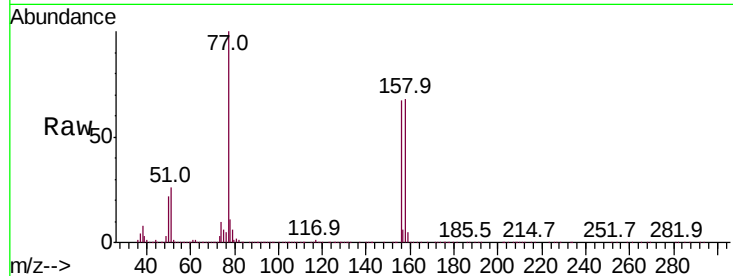
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	797493
Ion Ratio	Lower	Upper	
156	100		
77	148.8	73.6	220.8
158	101.6	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 83.903 ug/l

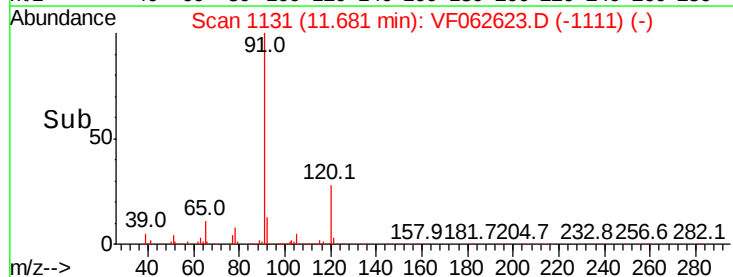
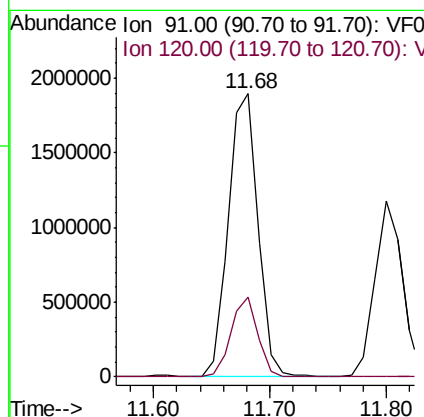
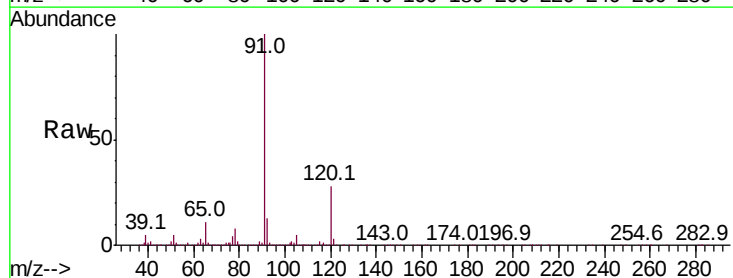
RT: 11.68 min Scan# 1131

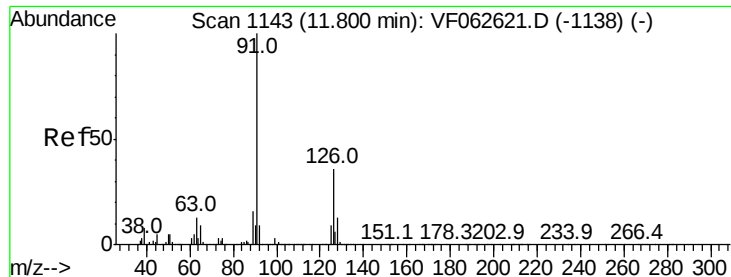
Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion:	91	Resp:	3324838
Ion Ratio	Lower	Upper	
91	100		
120	28.0	12.7	38.1





#79

2-Chlorotoluene

Concen: 85.595 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1911534

Ion Ratio Lower Upper

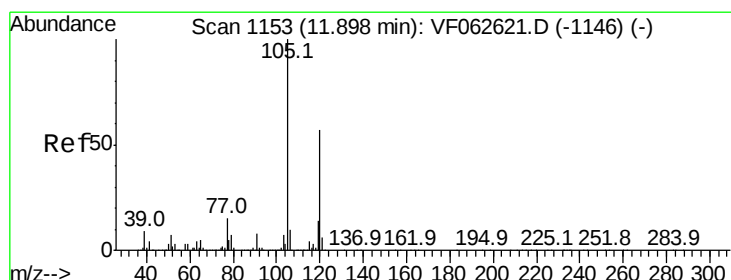
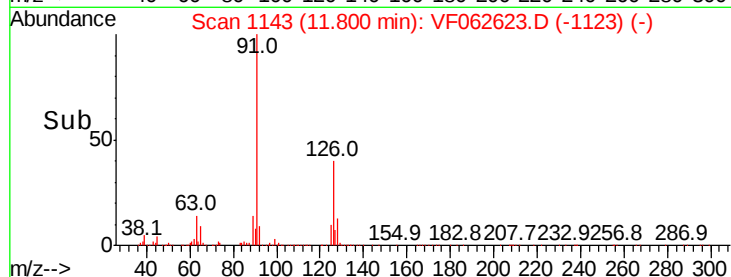
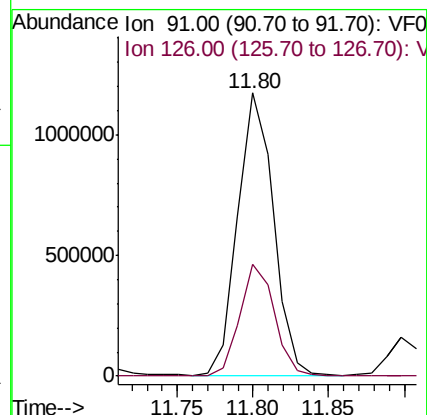
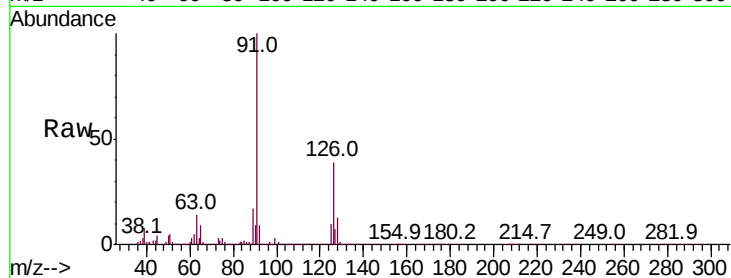
91 100

126 39.3 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 83.491 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062623.D

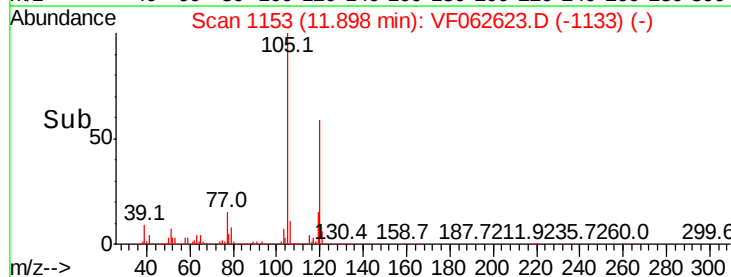
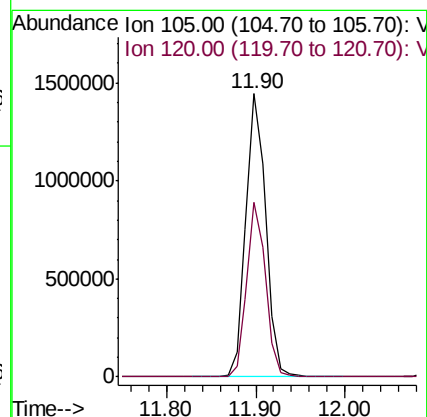
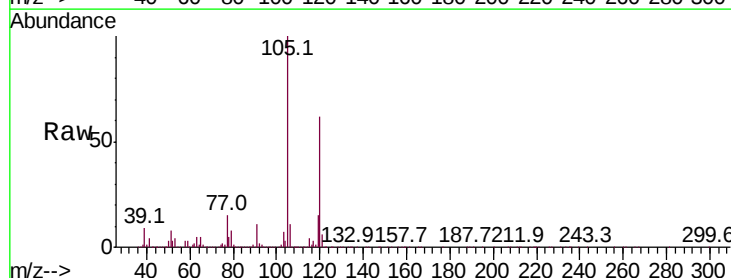
Acq: 16 May 2019 12:57

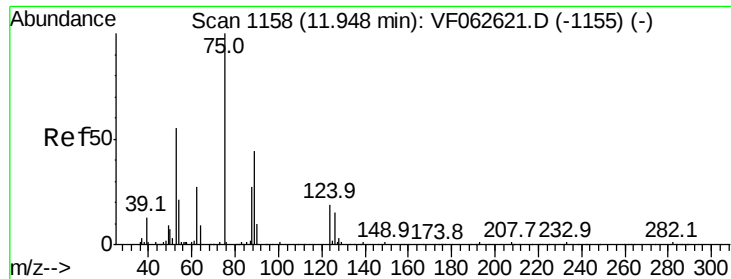
Tgt Ion:105 Resp: 2241635

Ion Ratio Lower Upper

105 100

120 61.7 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 80.184 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

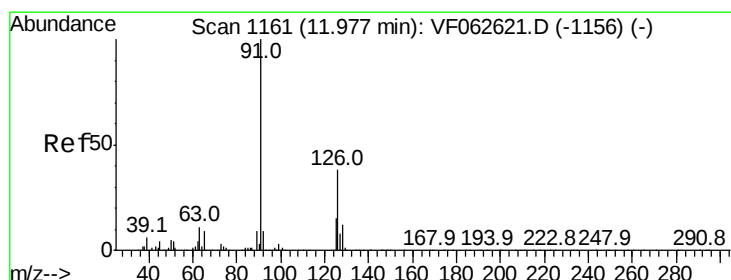
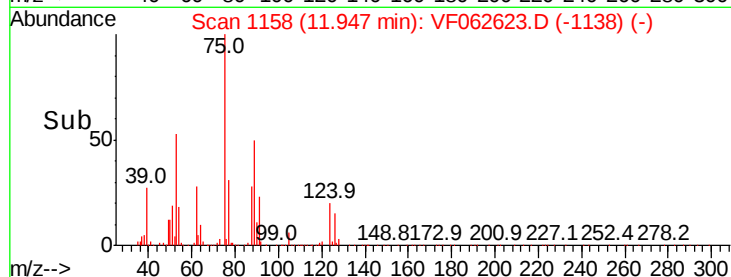
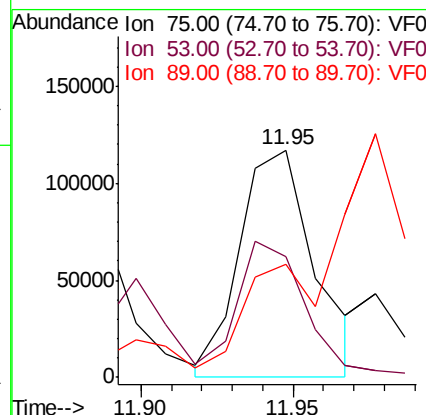
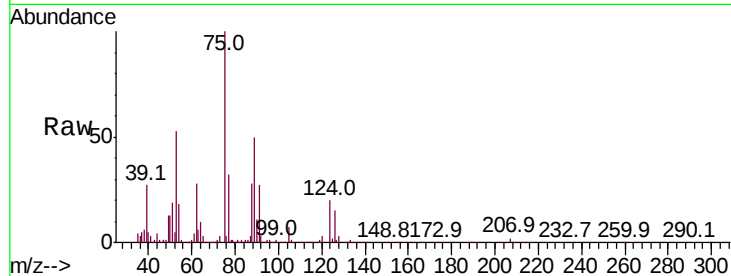
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	200305
Ion Ratio	Lower	Upper	
75	100		
53	52.9	46.9	70.3
89	49.5	36.4	54.6

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#82

4-Chlorotoluene

Concen: 88.202 ug/l

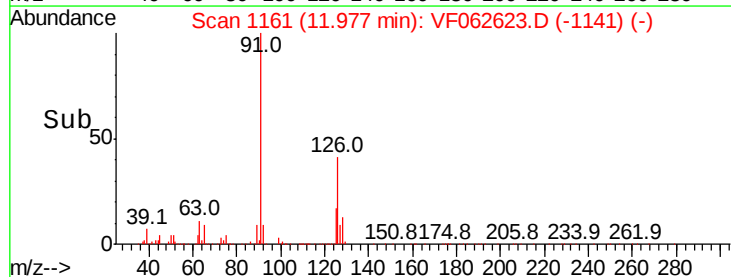
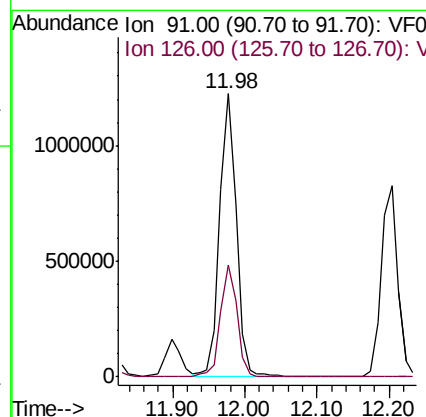
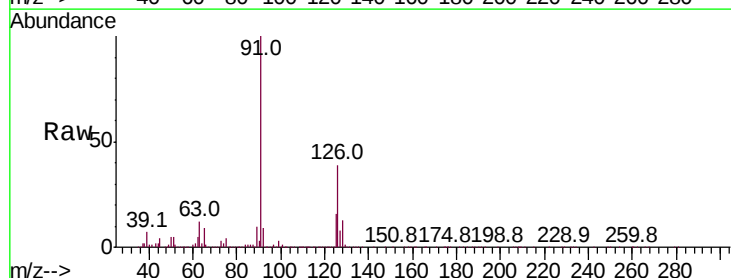
RT: 11.98 min Scan# 1161

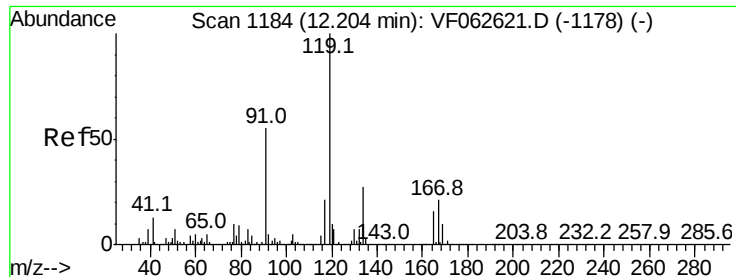
Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion:	91	Resp:	1942443
Ion Ratio	Lower	Upper	
91	100		
126	39.3	19.1	57.1





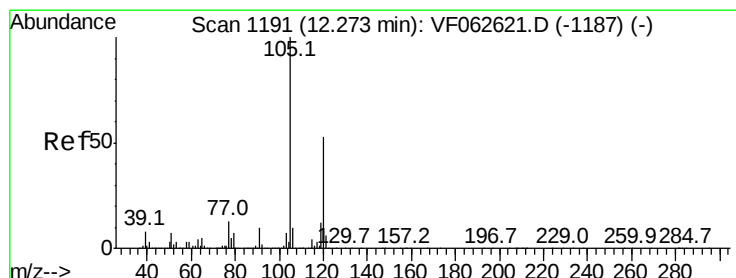
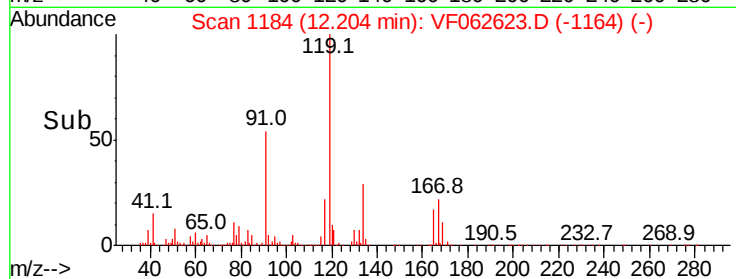
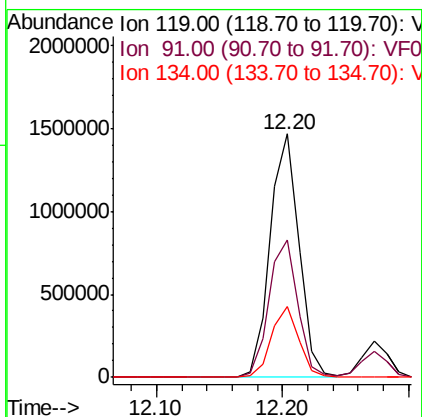
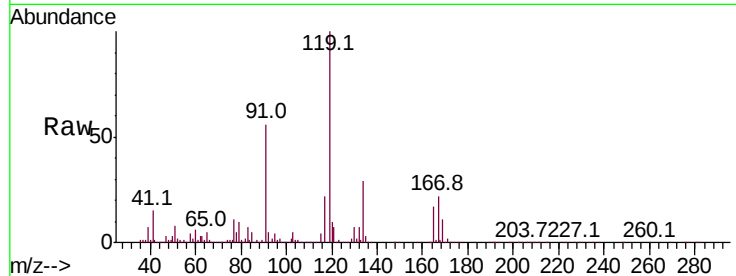
#83
tert-Butylbenzene
Concen: 86.000 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.3	81.9
134	28.9	13.6	40.7

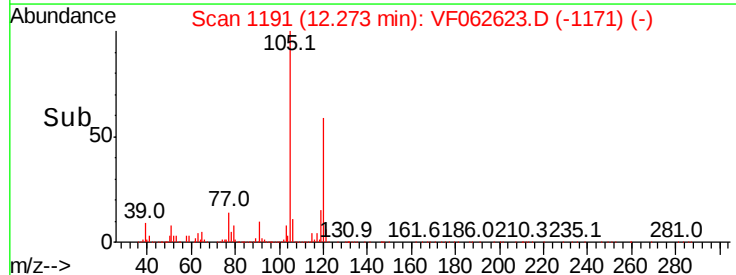
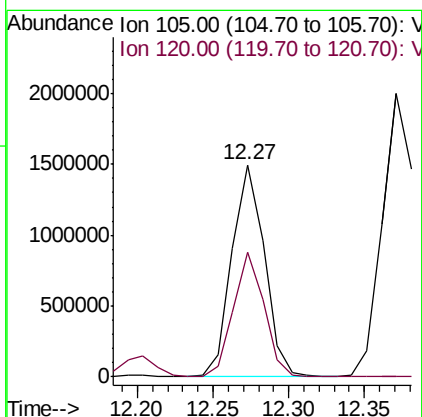
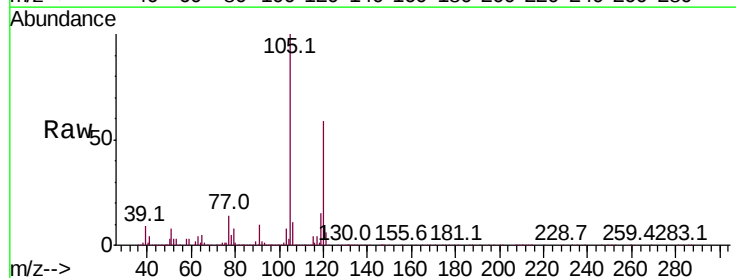
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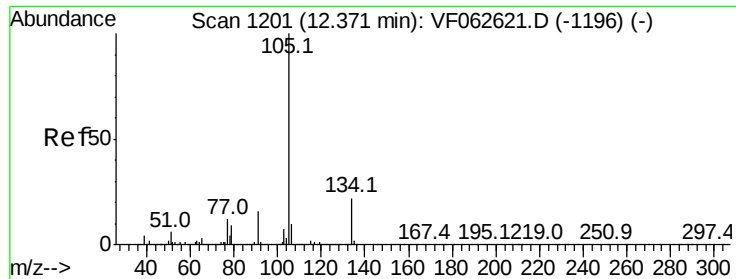
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5/17/2019 4:20:18 PM



#84
1,2,4-Trimethylbenzene
Concen: 86.176 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	58.9	26.7	80.1





#85

sec-Butylbenzene

Concen: 84.985 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3106706

Ion Ratio Lower Upper

105 100

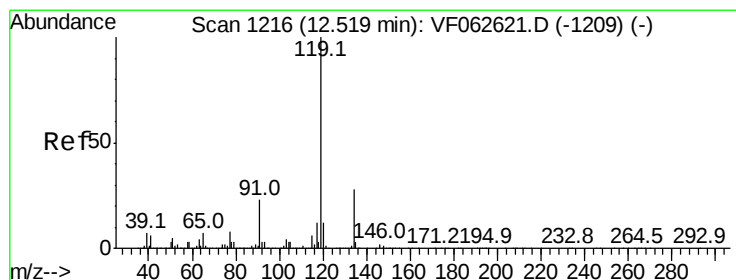
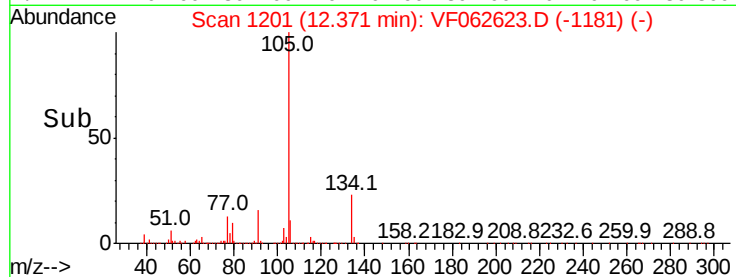
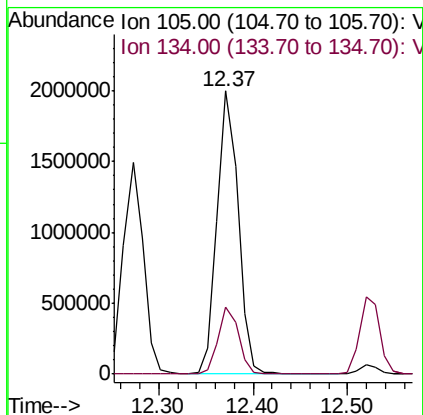
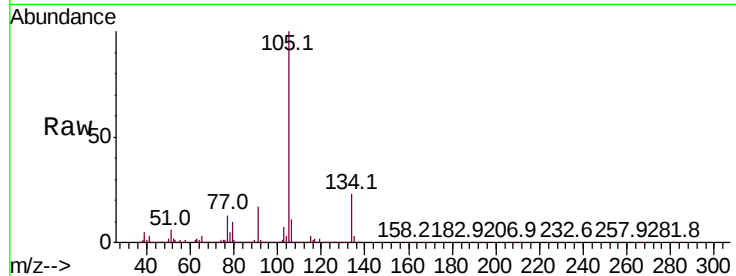
134 23.5 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 85.367 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

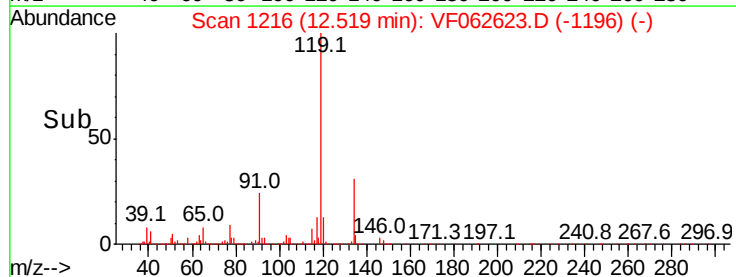
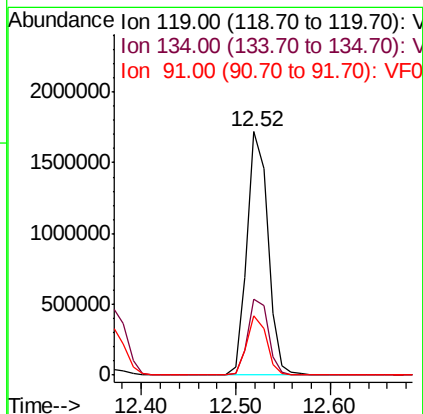
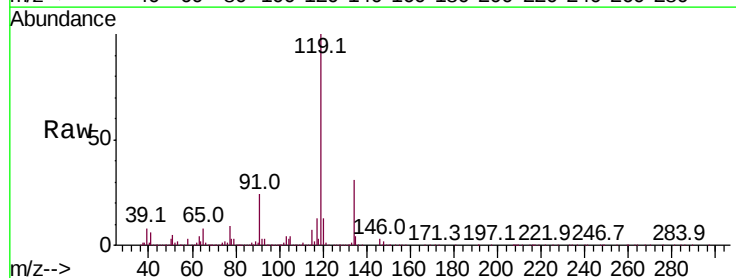
Tgt Ion:119 Resp: 2629937

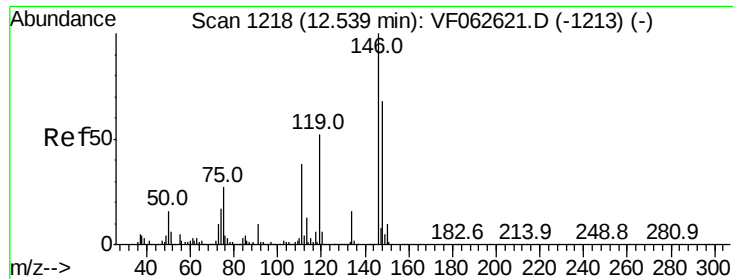
Ion Ratio Lower Upper

119 100

134 31.4 14.1 42.3

91 24.1 11.4 34.2





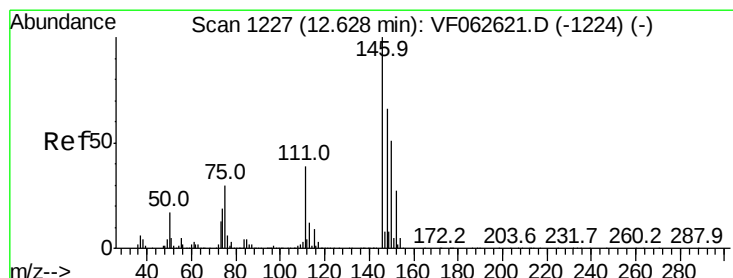
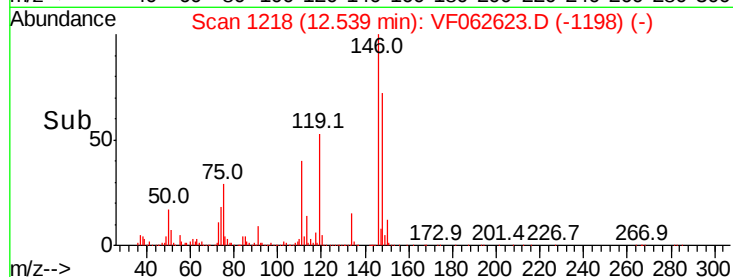
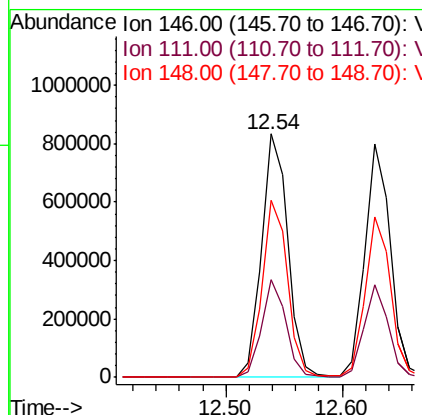
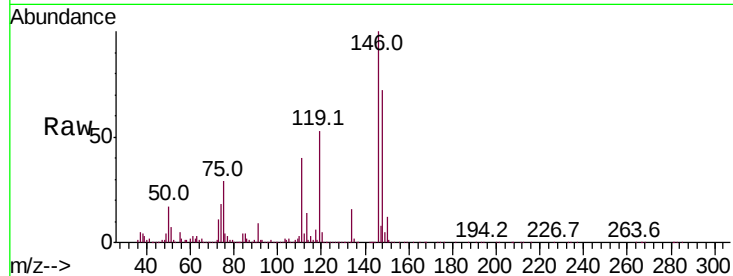
#87
 1,3-Dichlorobenzene
 Concen: 86.879 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC100

Tot Ion:146 Resp: 1308224
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.9 56.9
 148 72.5 34.0 101.8

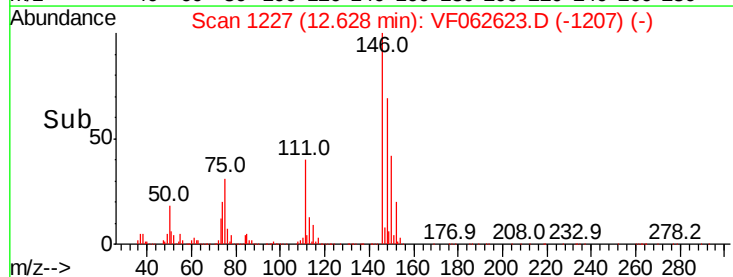
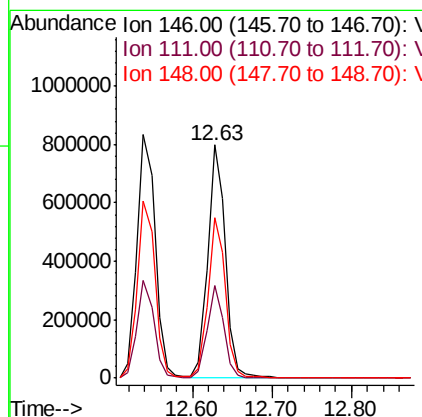
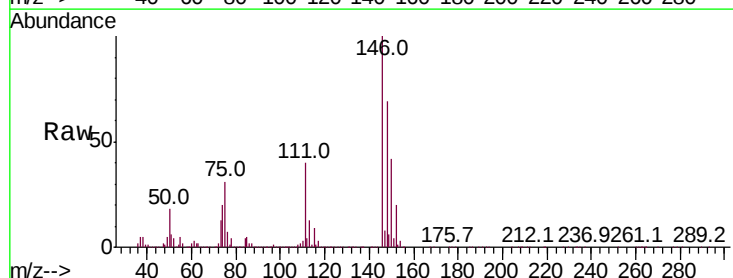
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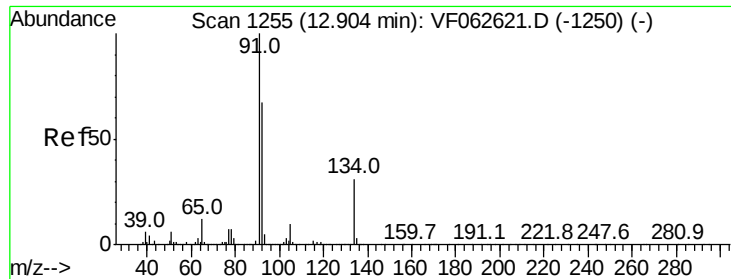
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#88
 1,4-Dichlorobenzene
 Concen: 86.727 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion:146 Resp: 1225530
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.4 58.2
 148 68.7 33.2 99.6





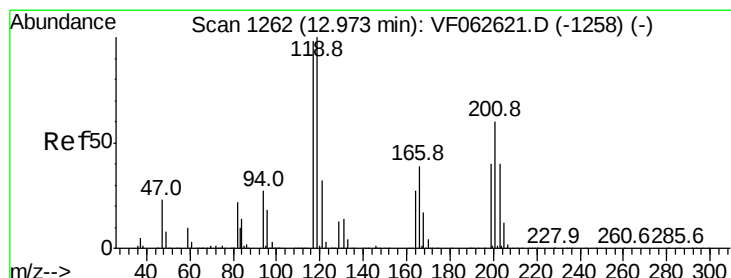
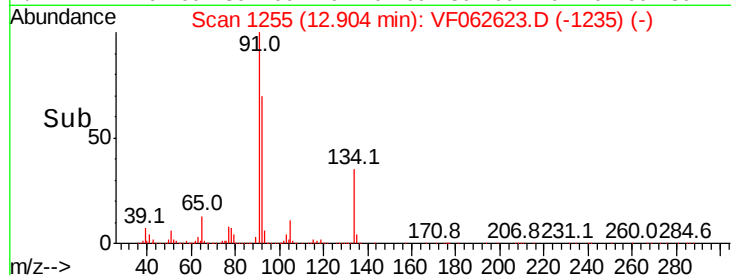
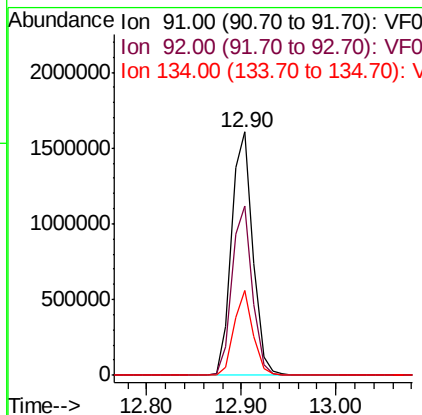
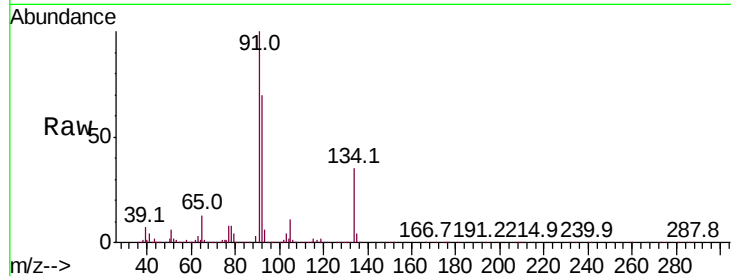
#89
n-Butylbenzene
Concen: 81.961 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	69.8	33.3	99.8
134	35.0	15.4	46.4

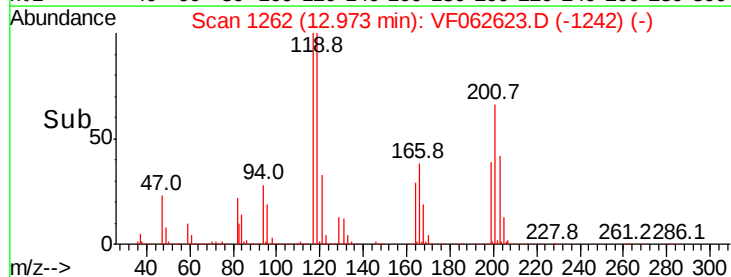
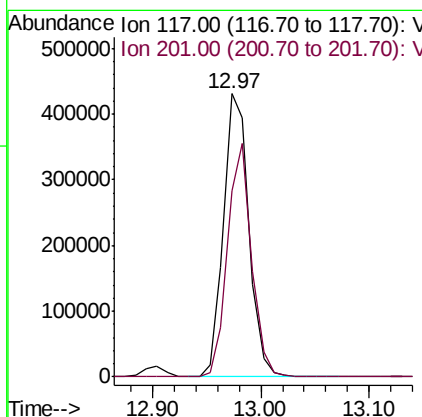
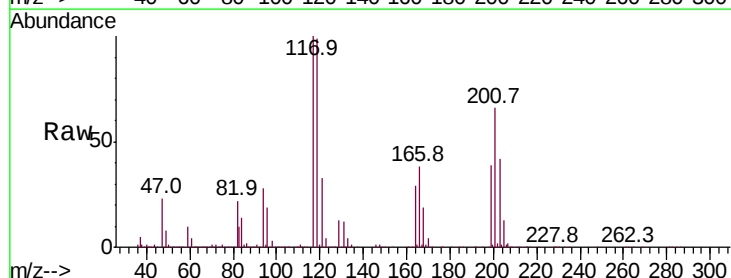
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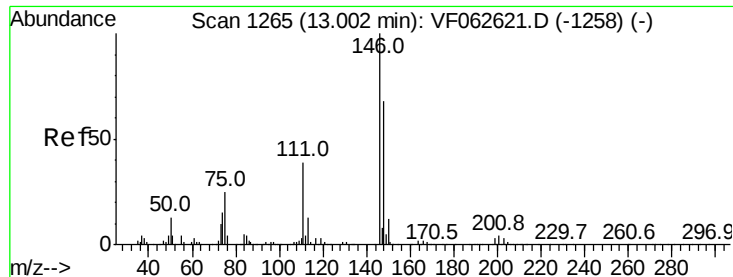
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#90
Hexachloroethane
Concen: 95.153 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.0	30.7	92.1





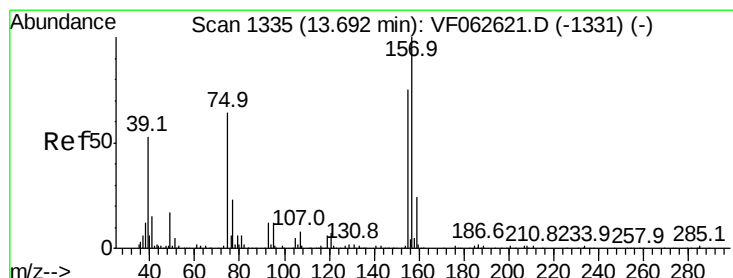
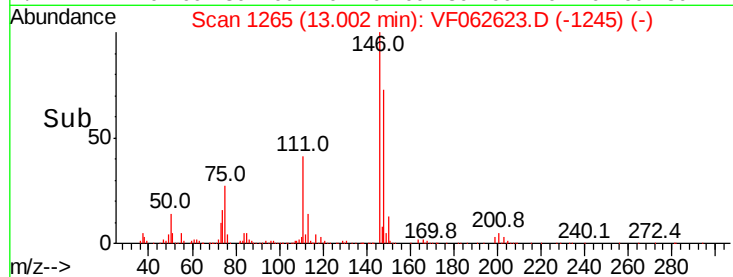
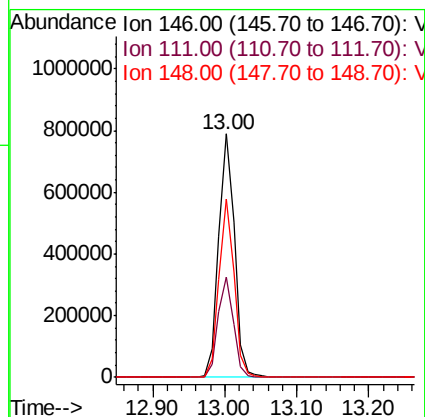
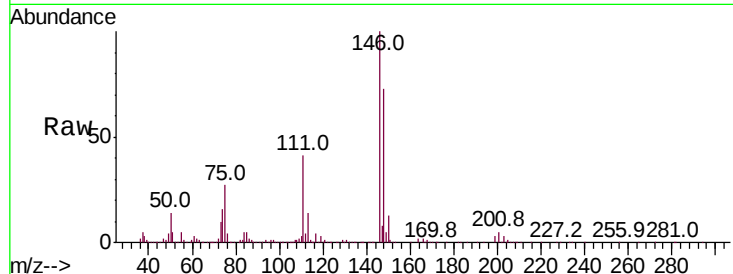
#91
 1,2-Dichlorobenzene
 Concen: 87.990 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.3
148	73.4	34.1	102.2

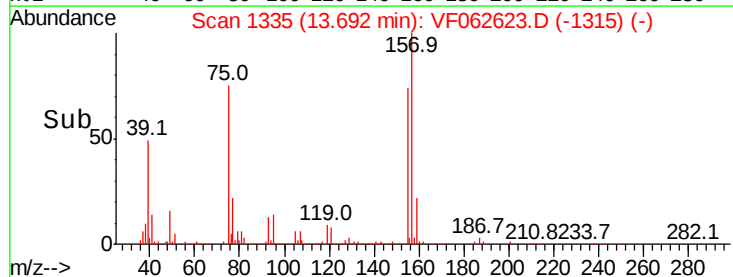
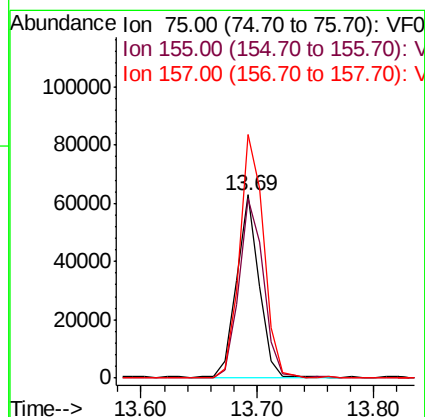
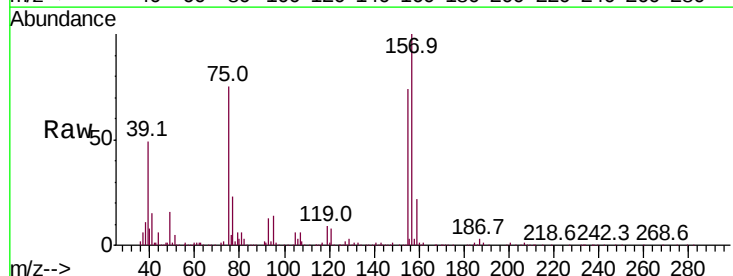
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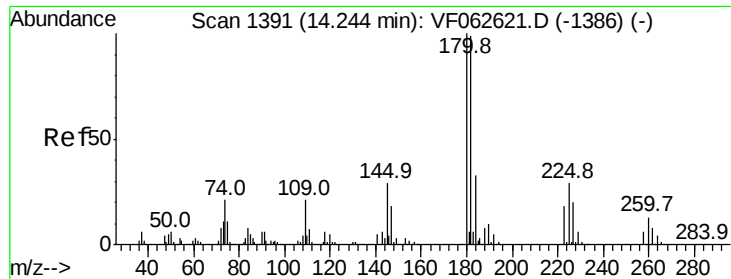
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.161 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062623.D
 Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	58.1	174.3
157	132.8	77.8	233.4





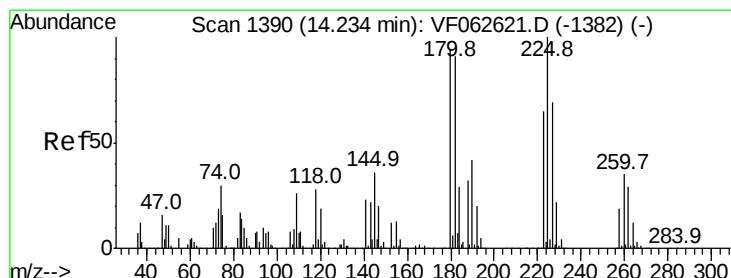
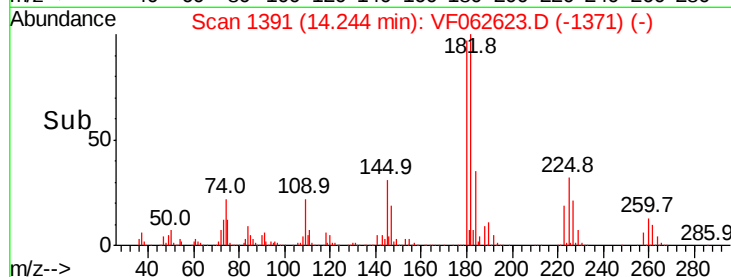
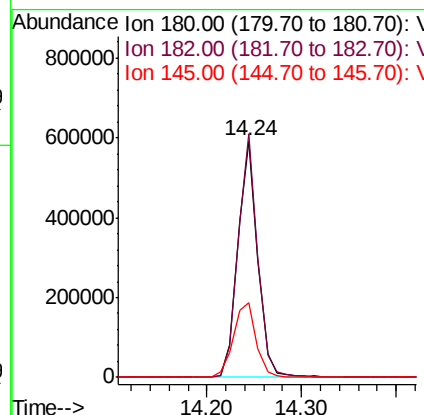
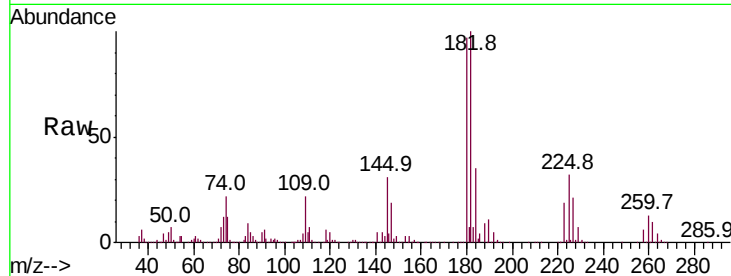
#93
1,2,4-Trichlorobenzene
Concen: 89.680 ug/l
RT: 14.24 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	103.0	49.7	149.1	
145	31.8	14.6	44.0	

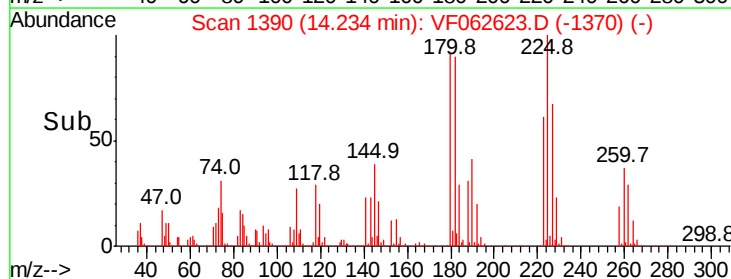
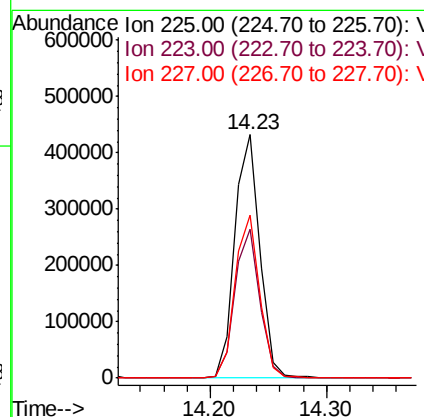
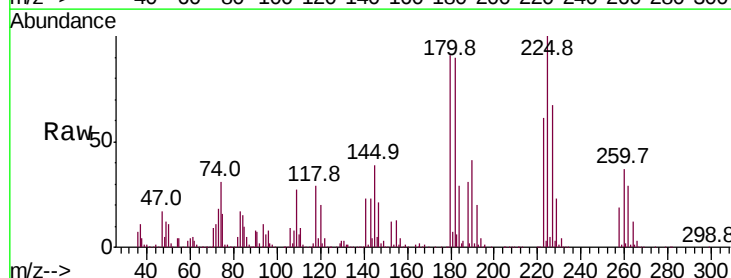
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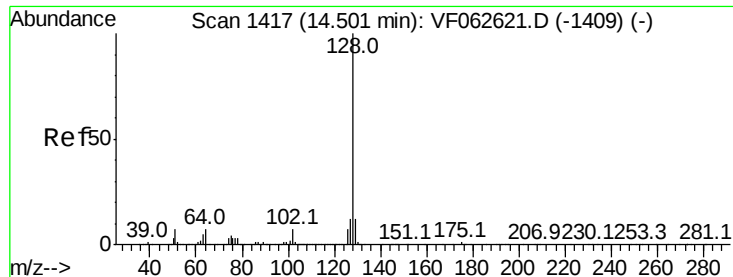
MMDadoda
5/17/2019 4:20:18 PM



#94
Hexachlorobutadiene
Concen: 96.007 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VF062623.D
Acq: 16 May 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	32.5	97.4	
227	66.9	34.5	103.5	





#95

Naphthalene

Concen: 96.361 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Instrument :

MSVOA_F

ClientSampled :

VSTDIC100

Tot Ion:128 Resp: 1681957

Ion Ratio Lower Upper

128 100

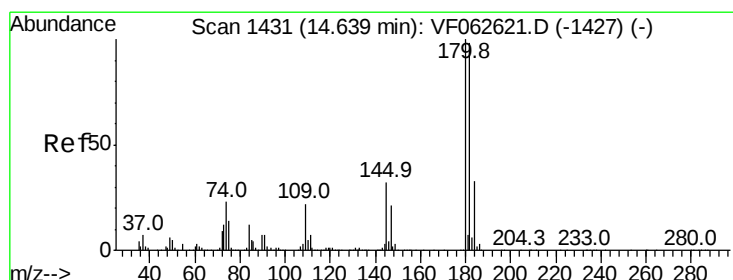
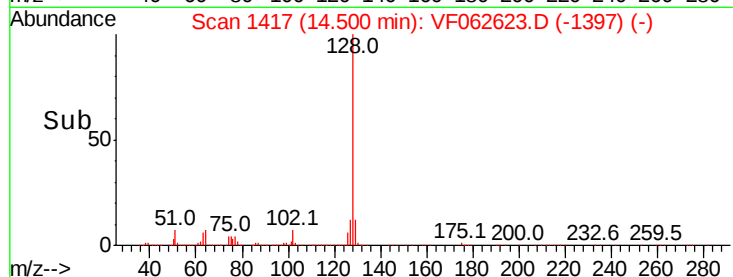
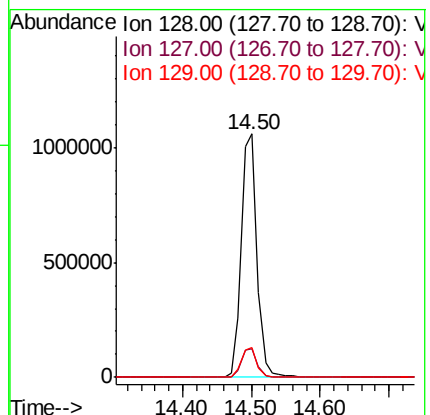
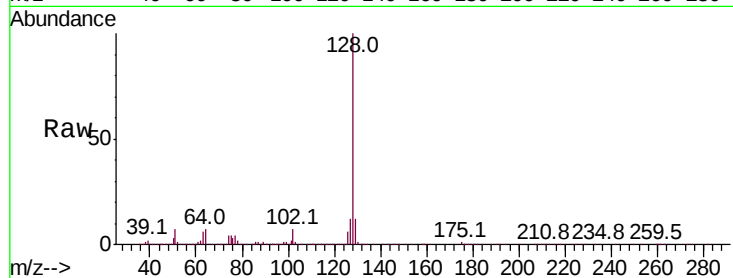
127 11.7 9.7 14.5

129 12.1 9.3 13.9

Manual Integrations
APPROVED

MMDadoda

5/17/2019 4:20:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 100.383 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062623.D

Acq: 16 May 2019 12:57

Tgt Ion:180 Resp: 913556

Ion Ratio Lower Upper

180 100

182 101.3 48.9 146.7

145 32.4 16.1 48.2

