

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062625.D
 Acq On : 16 May 2019 14:09
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:22 PM

Quant Time: May 17 05:21:09 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	792904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1332058	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1039772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	501785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	388802	69.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.78%	
35) Dibromofluoromethane	4.32	113	686564	67.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.72%	
50) Toluene-d8	7.72	98	1686878	69.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.62%	
62) 4-Bromofluorobenzene	11.50	95	619429	67.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	760239	70.456	ug/l	99
3) Chloromethane	1.15	50	718640	72.331	ug/l	100
4) Vinyl Chloride	1.20	62	665839	72.805	ug/l	97
5) Bromomethane	1.41	94	351752	70.306	ug/l	92
6) Chloroethane	1.45	64	235523	70.120	ug/l	89
7) Trichlorofluoromethane	1.56	101	903380	78.086	ug/l	87
8) Diethyl Ether	1.72	74	185157	76.111	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	554349	70.896	ug/l	97
10) Methyl Iodide	1.98	142	1121697	73.027	ug/l	97
11) Tert butyl alcohol	2.70	59	136592	369.249	ug/l	98
12) 1,1-Dichloroethene	1.88	96	514295	72.203	ug/l	97
13) Acrolein	2.10	56	119574	309.663	ug/l	100
14) Allyl chloride	2.20	41	467120m	66.746	ug/l	
15) Acrylonitrile	3.10	53	383028	367.070	ug/l	94
16) Acetone	2.35	43	503359	346.282	ug/l	93
17) Carbon Disulfide	1.93	76	1541771	75.965	ug/l	99
18) Methyl Acetate	2.47	43	165006	66.424	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	974573	76.538	ug/l	99
20) Methylene Chloride	2.34	84	486019m	67.094	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	520467	74.758	ug/l	96
22) Diisopropyl ether	2.95	45	1169950	73.583	ug/l	97
23) Vinyl Acetate	3.36	43	3886649	362.372	ug/l	98
24) 1,1-Dichloroethane	3.02	63	878229	75.294	ug/l	98
25) 2-Butanone	4.54	43	1111351	357.850	ug/l	98
26) 2,2-Dichloropropane	3.79	77	505669	75.770	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	850317	74.251	ug/l	99
28) Bromochloromethane	3.91	49	436099	66.664	ug/l	91
29) Tetrahydrofuran	4.27	42	462840	368.285	ug/l	100
30) Chloroform	4.06	83	1201664	74.202	ug/l	98
31) Cyclohexane	3.89	56	1165416	80.256	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	813609	75.649	ug/l	97
36) 1,1-Dichloropropene	4.48	75	969064	70.996	ug/l	97
37) Ethyl Acetate	4.31	43	381551	68.463	ug/l	91
38) Carbon Tetrachloride	4.19	117	722138m	75.093	ug/l	

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 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)
39) Methylcyclohexane	5.64	83	1193819	72.689	ug/l	95
40) Benzene	4.83	78	2652265	71.326	ug/l	98
41) Methacrylonitrile	4.94	41	201319	68.902	ug/l	93
42) 1,2-Dichloroethane	5.14	62	559887	75.505	ug/l	99
43) Isopropyl Acetate	7.12	43	481337	66.666	ug/l #	94
44) Trichloroethene	5.69	130	744665	71.253	ug/l	93
45) 1,2-Dichloropropane	6.42	63	672749	71.670	ug/l	95
46) Dibromomethane	6.27	93	386270	71.203	ug/l	94
47) Bromodichloromethane	6.56	83	829561	73.660	ug/l	99
48) Methyl methacrylate	6.88	41	275378	72.970	ug/l	95
49) 1,4-Dioxane	6.88	88	68517	1417.535	ug/l	95
51) 4-Methyl-2-Pentanone	8.41	43	1611255	326.478	ug/l	100
52) Toluene	7.79	92	1411040	72.356	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	677278	73.507	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	940895	72.951	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	416337	72.104	ug/l	95
56) Ethyl methacrylate	8.77	69	477845	69.463	ug/l	96
57) 1,3-Dichloropropane	9.00	76	727209	73.941	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	797257	356.051	ug/l	99
59) 2-Hexanone	9.62	43	1142096	316.513	ug/l	99
60) Dibromochloromethane	8.87	129	575461	76.468	ug/l	98
61) 1,2-Dibromoethane	9.14	107	471470	76.874	ug/l	94
64) Tetrachloroethene	8.31	164	591844	71.849	ug/l	98
65) Chlorobenzene	9.94	112	1478916	72.417	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	585528	71.420	ug/l	100
67) Ethyl Benzene	10.04	91	2507413	70.676	ug/l	97
68) m/p-Xylenes	10.27	106	1893191	141.981	ug/l	97
69) o-Xylene	10.83	106	1020946	74.336	ug/l	89
70) Styrene	10.90	104	1448635	69.395	ug/l	99
71) Bromoform	10.89	173	310110	75.525	ug/l #	100
73) Isopropylbenzene	11.22	105	2589673	72.008	ug/l	96
74) N-amyl acetate	11.45	43	632304	56.990	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	507757	69.086	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	316644	65.569	ug/l	92
77) Bromobenzene	11.59	156	635184	71.054	ug/l	97
78) n-propylbenzene	11.67	91	2821231	66.285	ug/l	100
79) 2-Chlorotoluene	11.80	91	1677434	69.933	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	1921043	66.617	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	152816m	56.956	ug/l	
82) 4-Chlorotoluene	11.98	91	1652733	69.872	ug/l	94
83) tert-Butylbenzene	12.20	119	2042731	69.820	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1962264	70.305	ug/l	93
85) sec-Butylbenzene	12.37	105	2683371	68.343	ug/l	96
86) p-Isopropyltoluene	12.52	119	2301464	69.553	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	1138158	70.372	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	1059812	69.828	ug/l	95
89) n-Butylbenzene	12.90	91	2118335	64.931	ug/l	99
90) Hexachloroethane	12.98	117	569314	71.723	ug/l	85
91) 1,2-Dichlorobenzene	13.01	146	986768	68.446	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	66750	76.130	ug/l	92

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ClientSampleId :
VSTDICC075

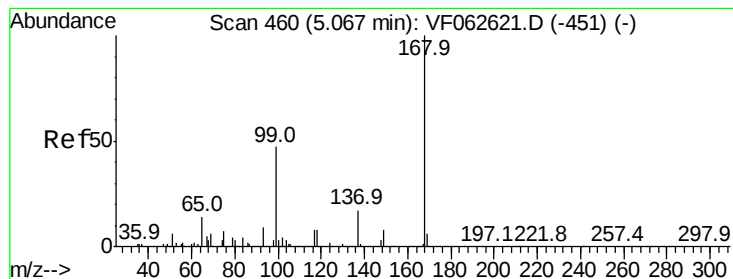
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	741233	71.828	ug/l	100
94) Hexachlorobutadiene	14.23	225	537667	74.658	ug/l	96
95) Naphthalene	14.49	128	1297453	69.207	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	716067	73.257	ug/l	98

(#) = 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: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 792904

Ion Ratio Lower Upper

168 100

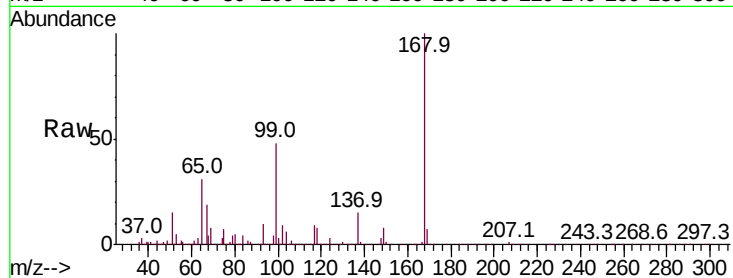
99 47.9 37.8 56.8

Manual Integrations

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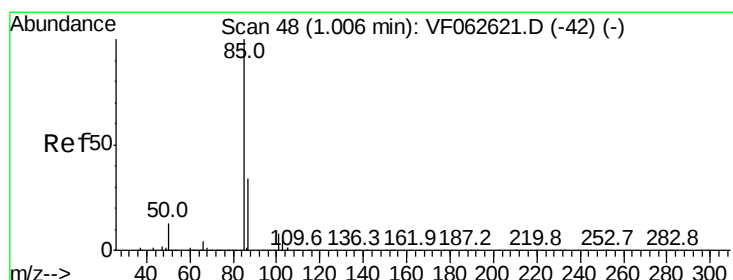
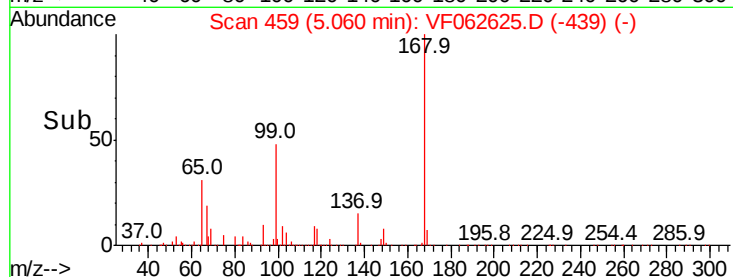
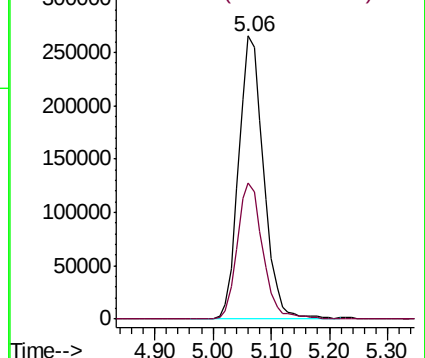
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 70.456 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062625.D

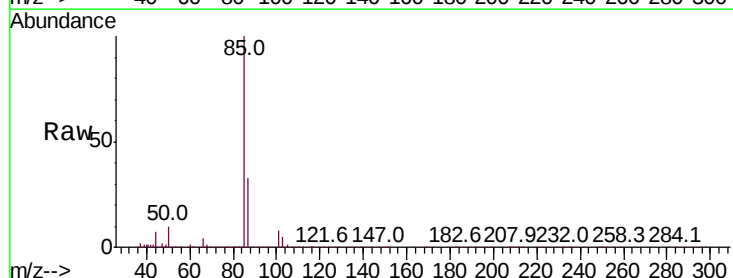
Acq: 16 May 2019 14:09

Tgt Ion: 85 Resp: 760239

Ion Ratio Lower Upper

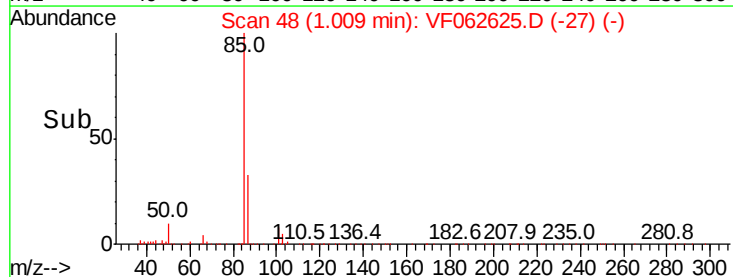
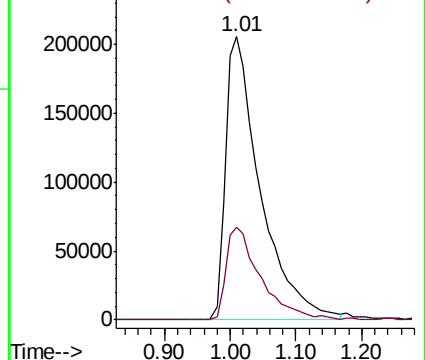
85 100

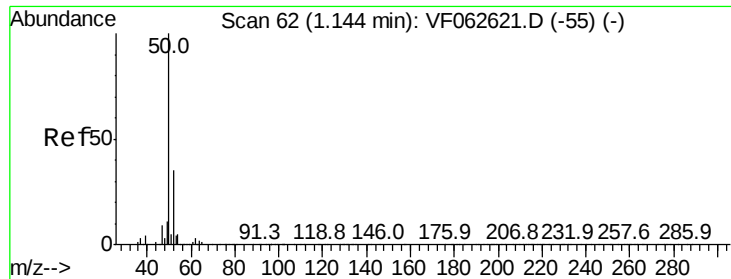
87 32.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 72.331 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 718640

Ion Ratio Lower Upper

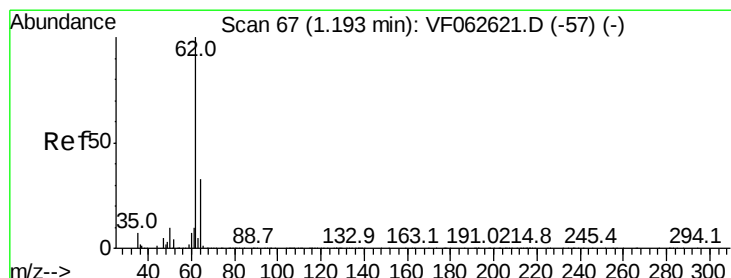
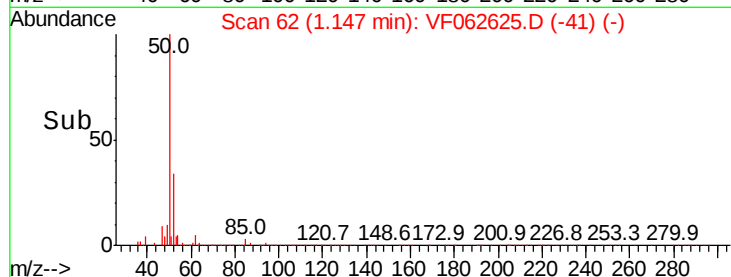
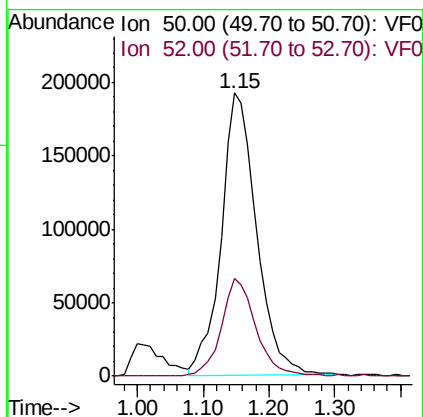
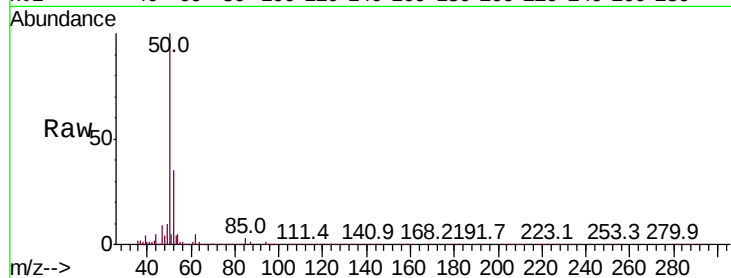
50 100

52 34.6 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 72.805 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062625.D

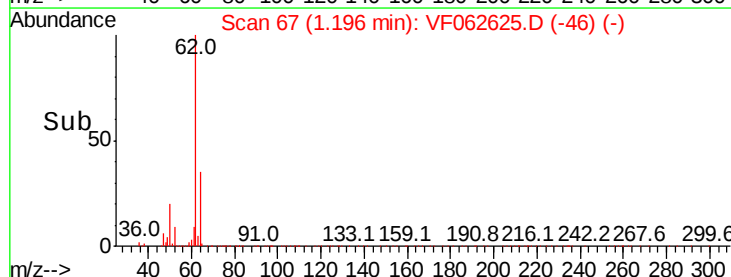
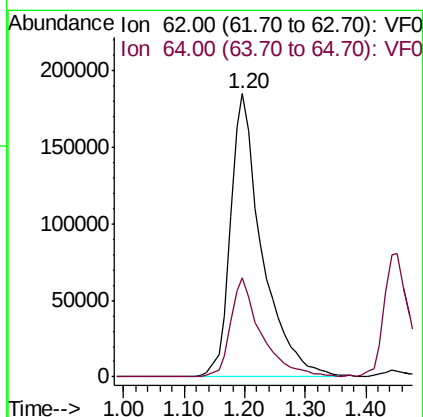
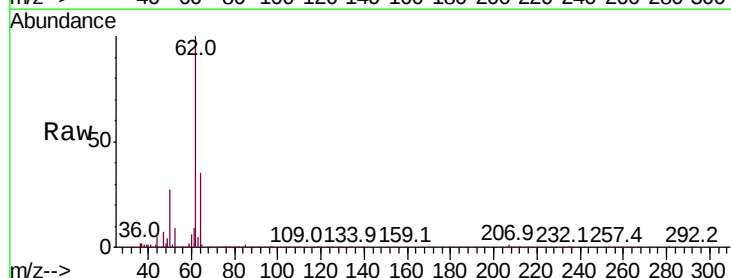
Acq: 16 May 2019 14:09

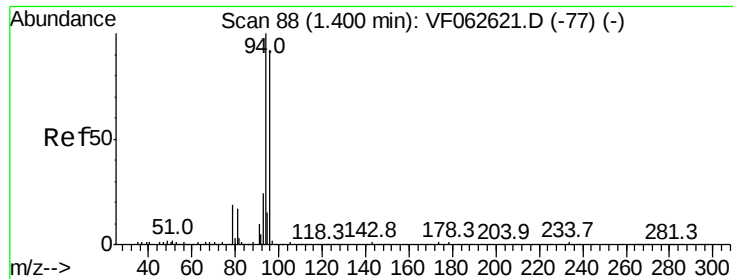
Tgt Ion: 62 Resp: 665839

Ion Ratio Lower Upper

62 100

64 35.1 26.7 40.1





#5

Bromomethane

Concen: 70.306 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 351752

Ion Ratio Lower Upper

94 100

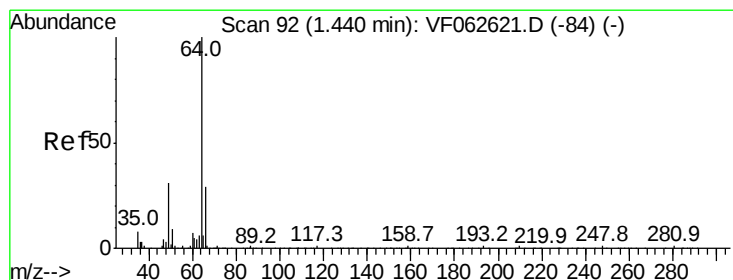
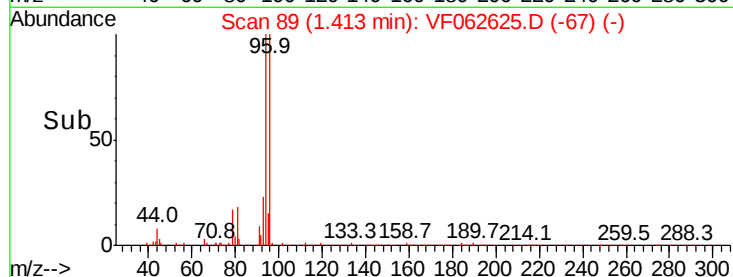
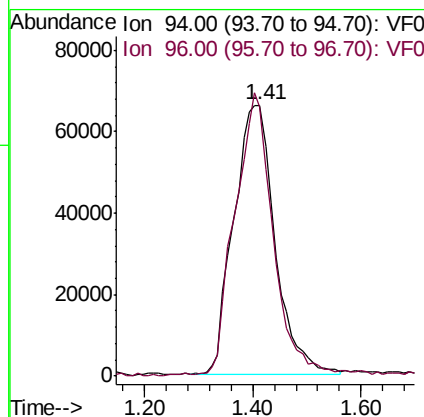
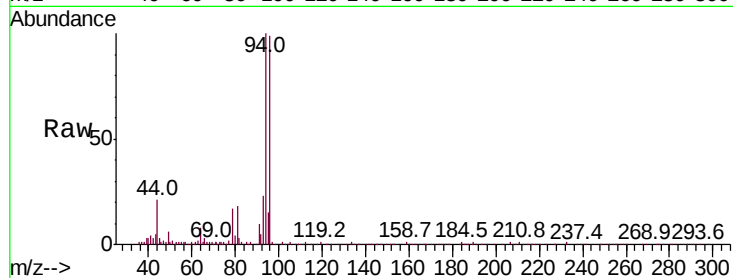
96 99.2 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 70.120 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062625.D

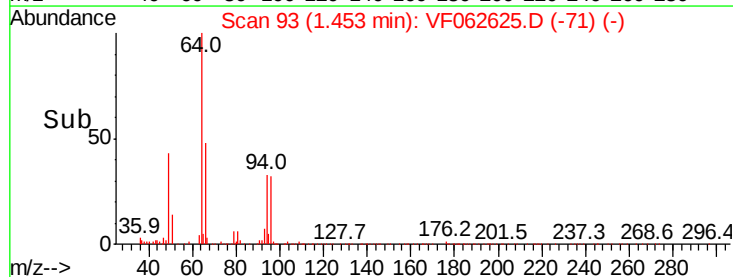
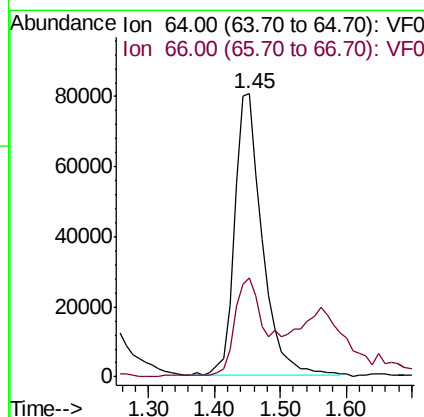
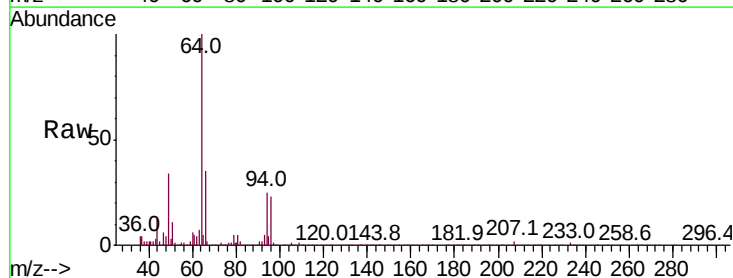
Acq: 16 May 2019 14:09

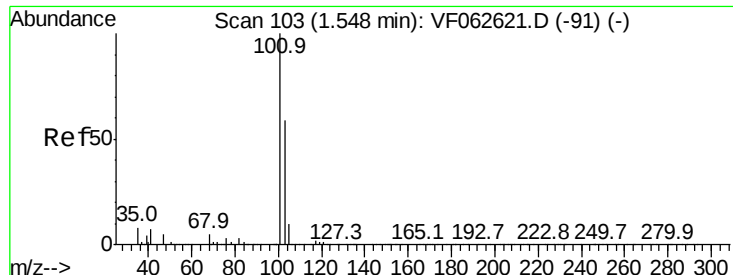
Tgt Ion: 64 Resp: 235523

Ion Ratio Lower Upper

64 100

66 35.1 23.4 35.2





#7

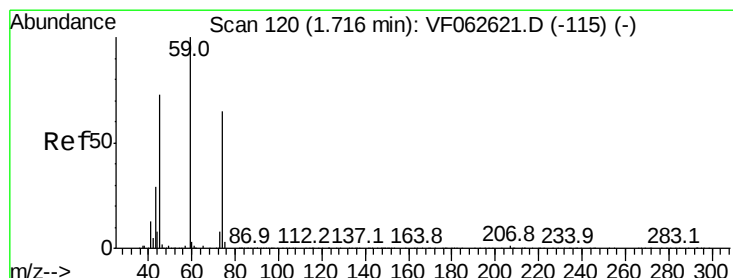
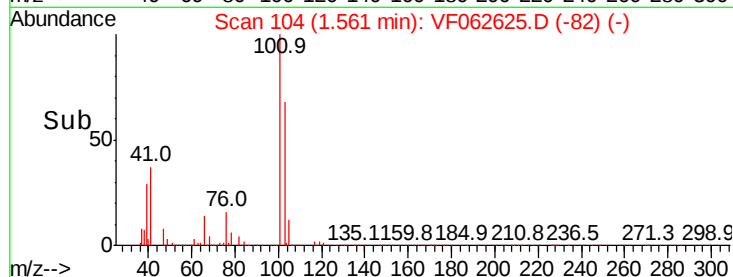
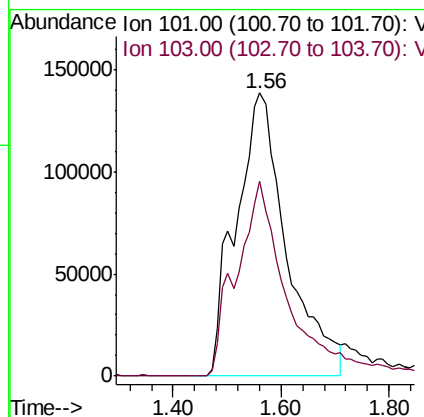
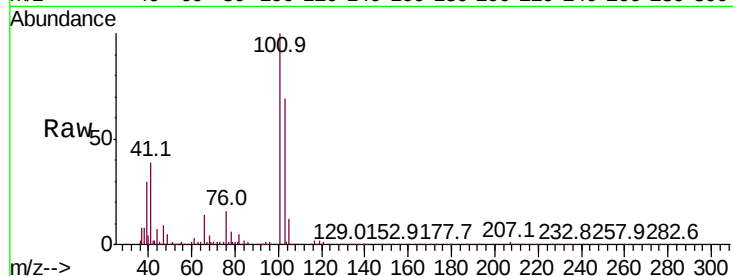
Trichlorofluoromethane
Concen: 78.086 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062625.D
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VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
101	100	903380		
103	68.7		47.3	70.9

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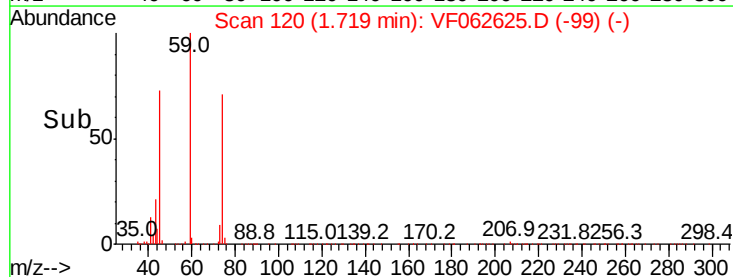
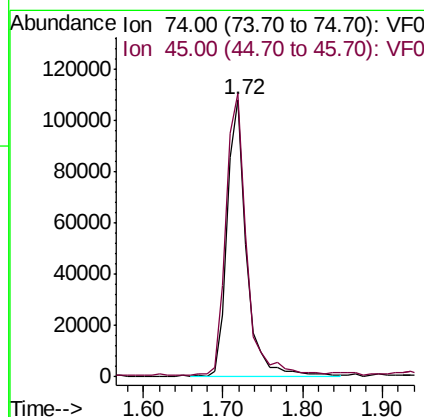
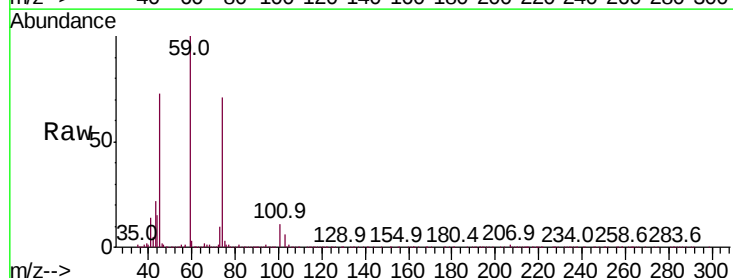
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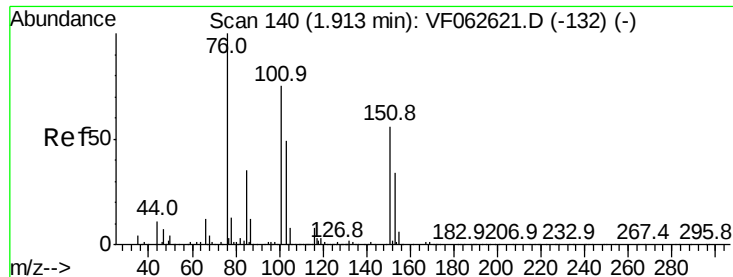


#8

Diethyl Ether
Concen: 76.111 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	185157		
45	102.1		57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.896 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

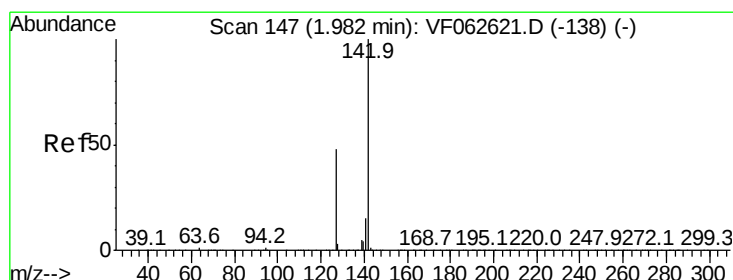
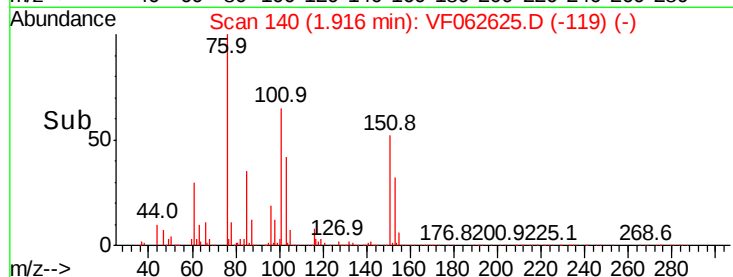
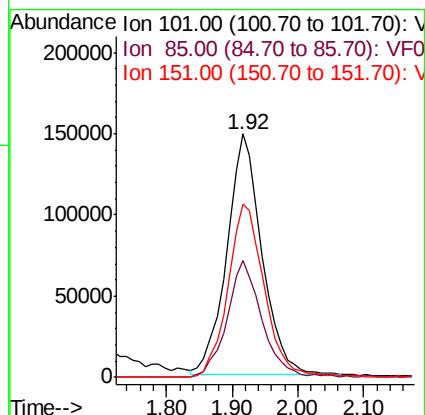
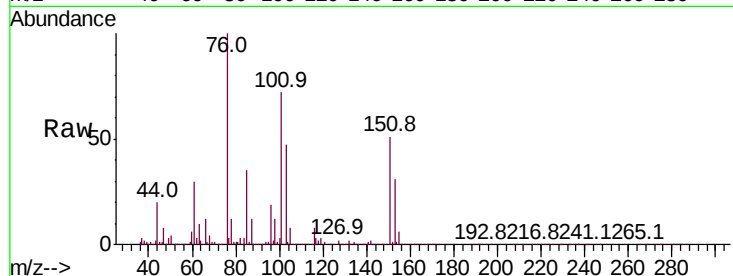
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	554349
Ion Ratio	Lower	Upper	
101	100		
85	48.2	37.1	55.7
151	71.0	58.8	88.2

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#10

Methyl Iodide

Concen: 73.027 ug/l

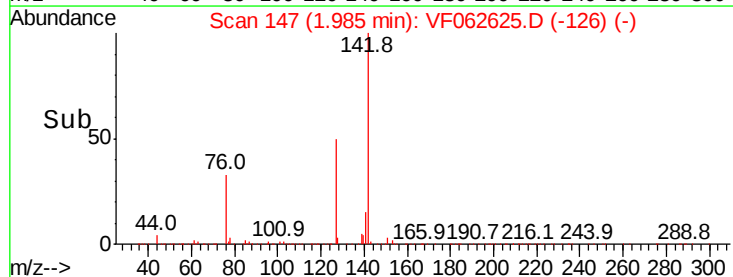
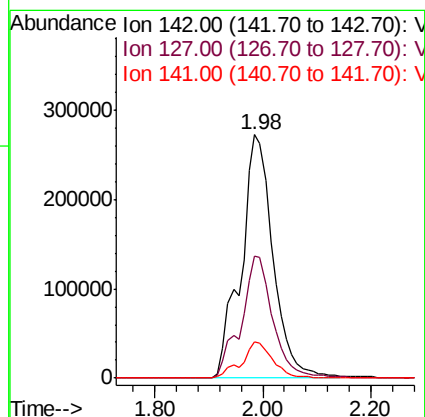
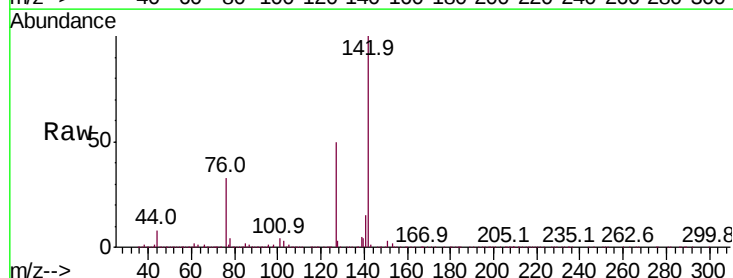
RT: 1.98 min Scan# 147

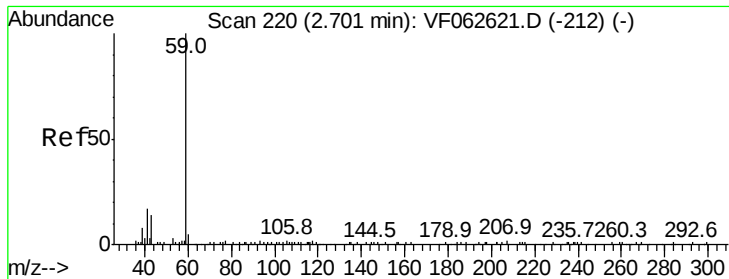
Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	142	Resp:	1121697
Ion Ratio	Lower	Upper	
142	100		
127	50.0	38.1	57.1
141	14.7	11.7	17.5





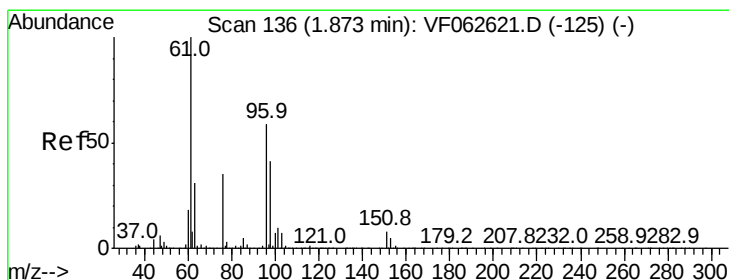
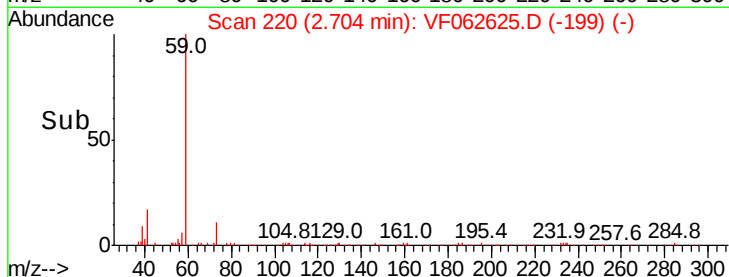
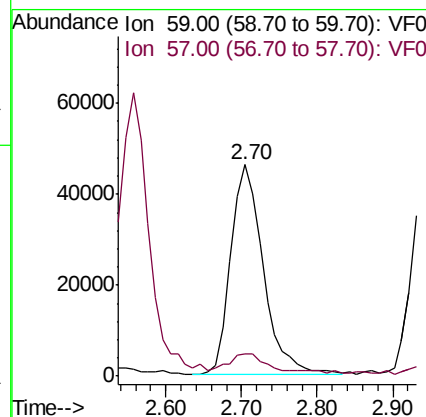
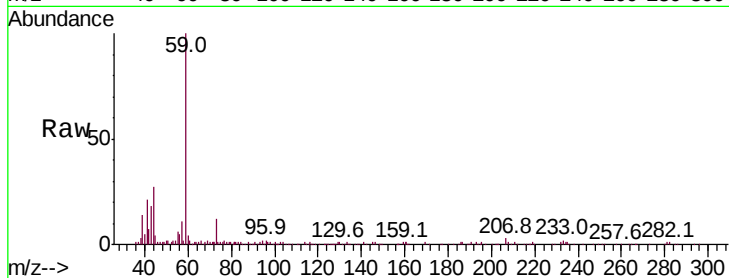
#11
Tert butyl alcohol
Concen: 369.249 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	59	Resp	136592
Ion Ratio	100	Lower	Upper
57	10.8	9.3	13.9

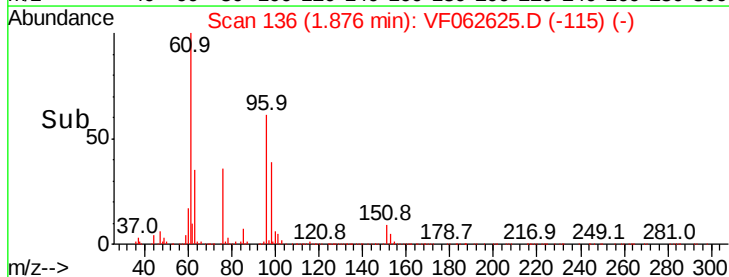
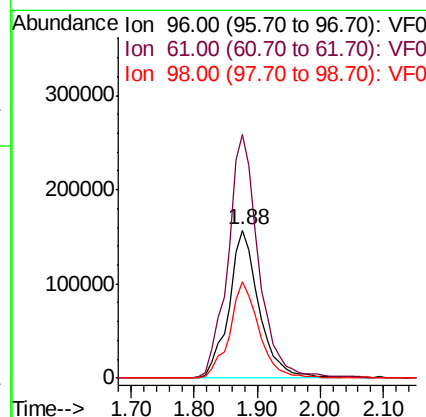
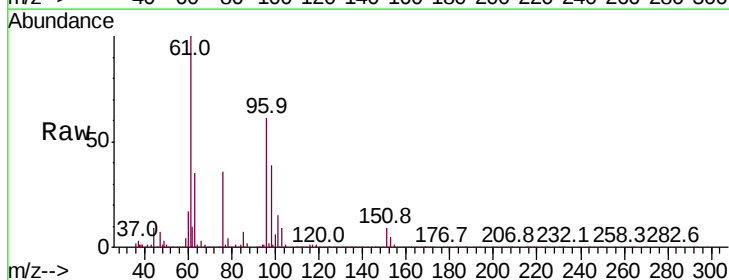
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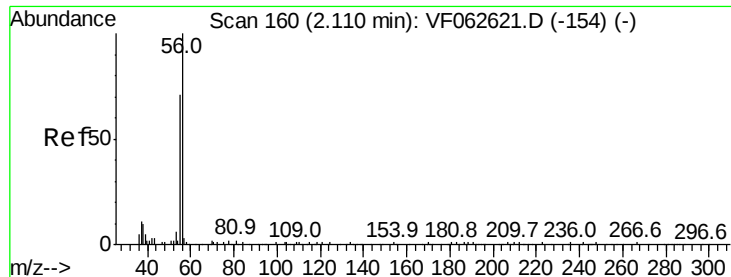
MMDadoda
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#12
1,1-Dichloroethene
Concen: 72.203 ug/l
RT: 1.88 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	96	Resp	514295
Ion Ratio	100	Lower	Upper
61	164.6	134.3	201.5
98	64.9	55.0	82.6





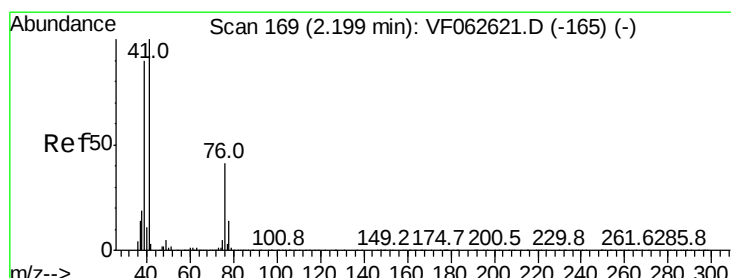
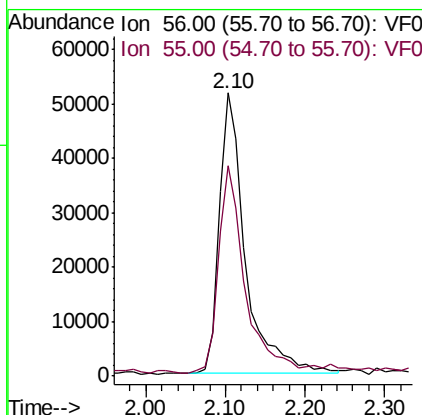
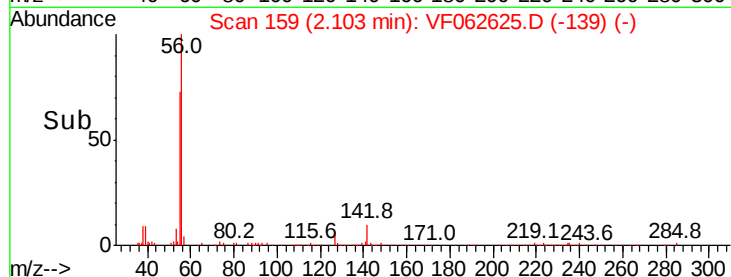
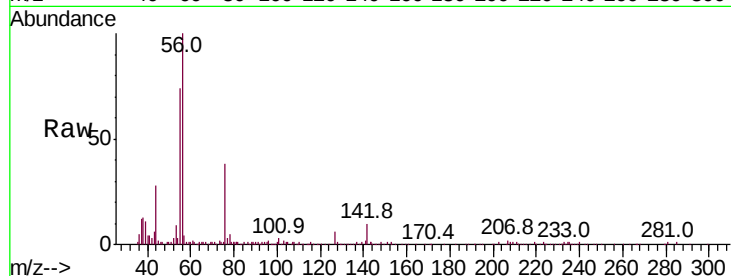
#13
 Acrolein
 Concen: 309.663 ug/l
 RT: 2.10 min Scan# 159
 Delta R.T. -0.01 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion: 56 Resp: 119574
 Ion Ratio Lower Upper
 56 100
 55 74.4 59.4 89.0

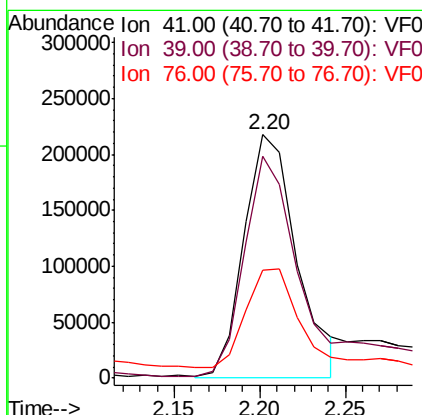
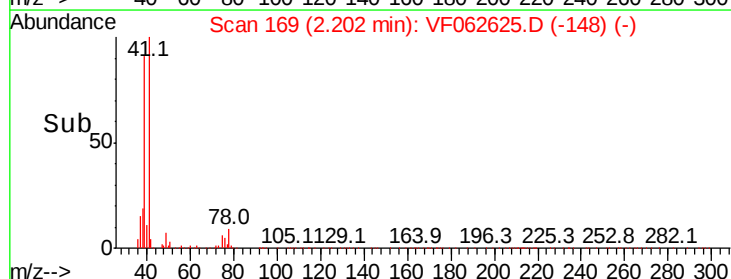
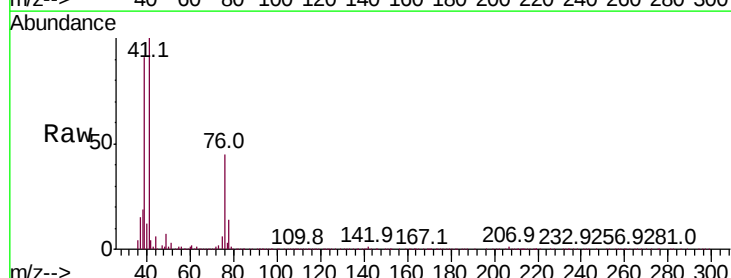
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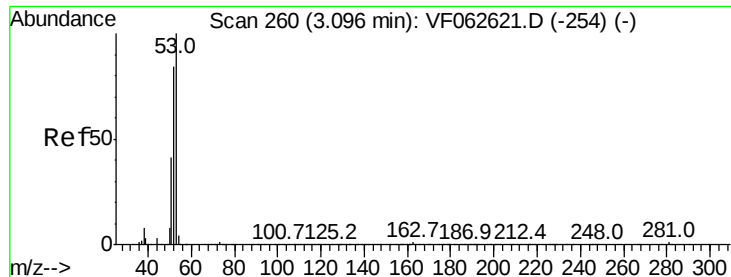
MMDadoda
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#14
 Allyl chloride
 Concen: 66.746 ug/l m
 RT: 2.20 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion: 41 Resp: 467120
 Ion Ratio Lower Upper
 41 100
 39 91.0 72.0 108.0
 76 44.6 34.8 52.2





#15

Acrylonitrile

Concen: 367.070 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

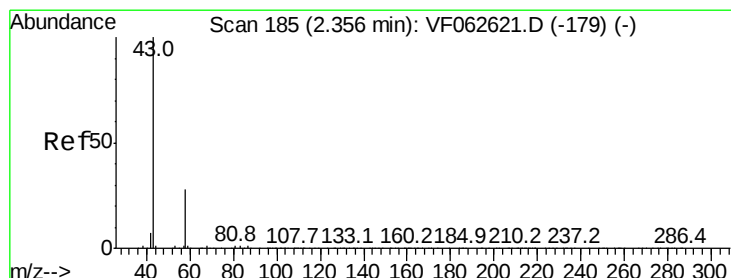
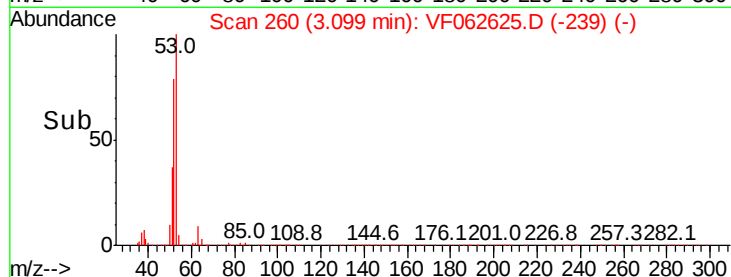
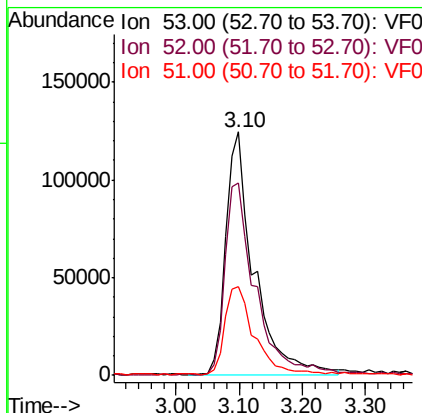
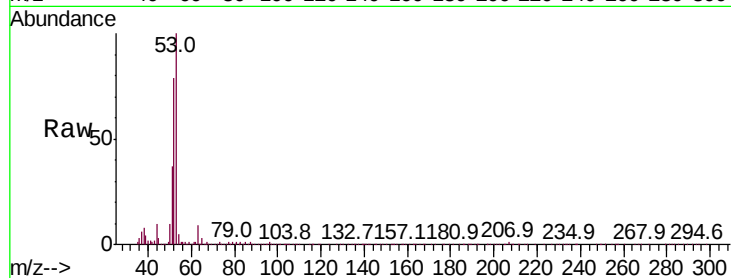
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	383028
Ion Ratio	Lower	Upper	
53	100		
52	79.0	67.3	100.9
51	36.6	33.0	49.6

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#16

Acetone

Concen: 346.282 ug/l

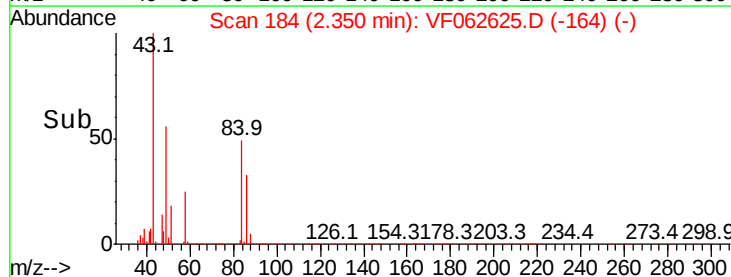
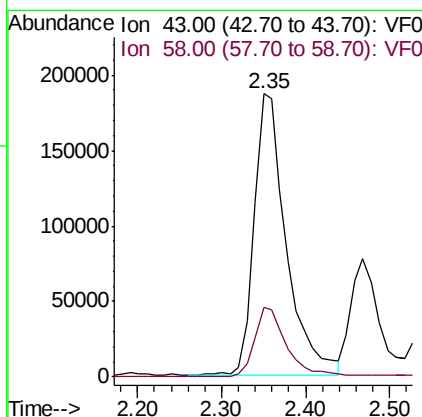
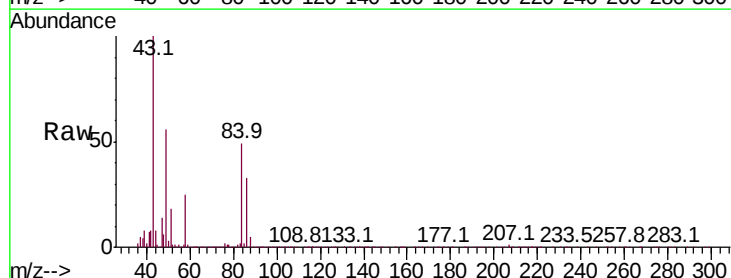
RT: 2.35 min Scan# 184

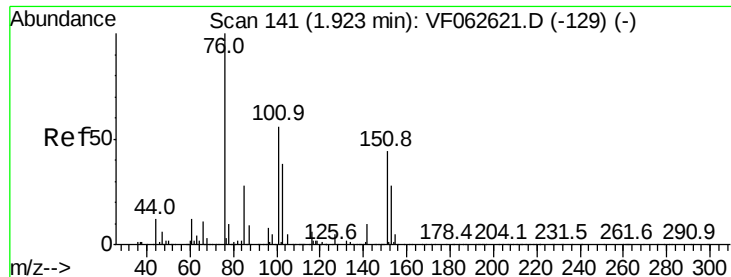
Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	43	Resp:	503359
Ion Ratio	Lower	Upper	
43	100		
58	24.6	22.6	33.8





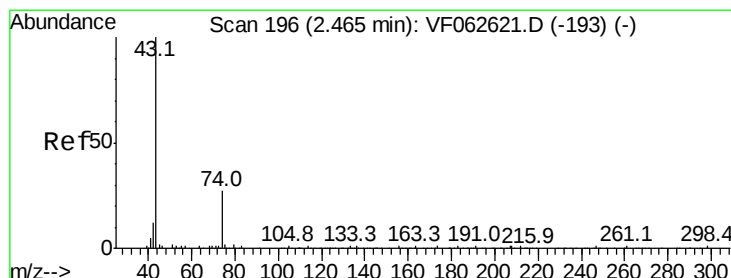
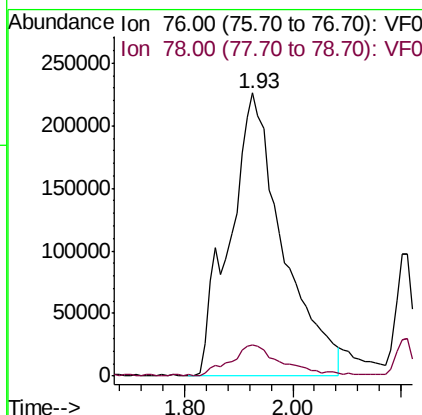
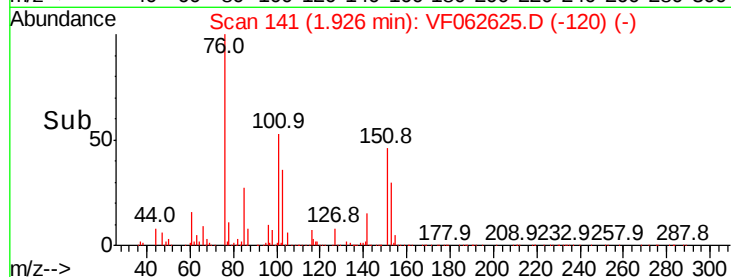
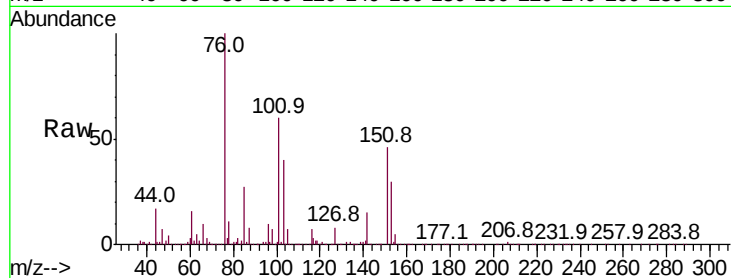
#17
Carbon Disulfide
Concen: 75.965 ug/l
RT: 1.93 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 1541771
Ion Ratio Lower Upper
76 100
78 11.0 8.4 12.6

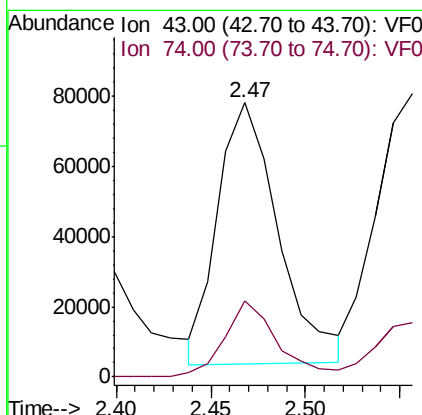
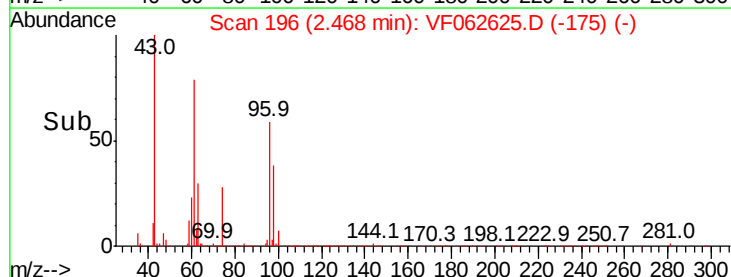
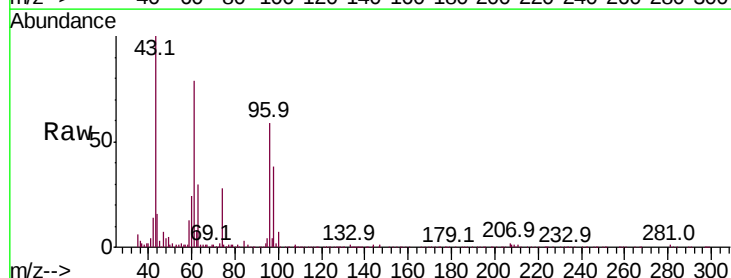
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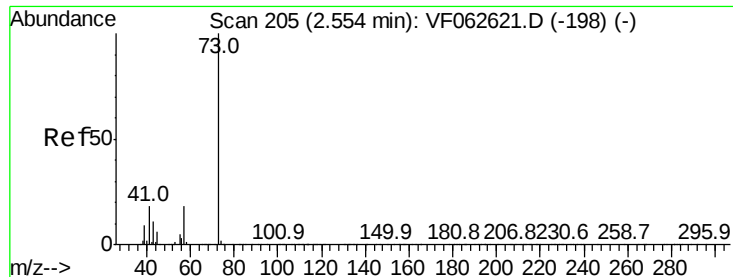
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#18
Methyl Acetate
Concen: 66.424 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 43 Resp: 165006
Ion Ratio Lower Upper
43 100
74 27.8 18.9 28.3





#19

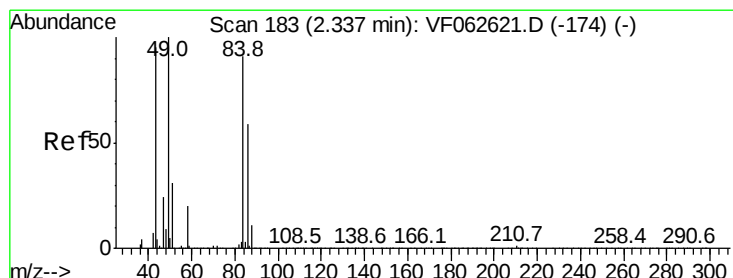
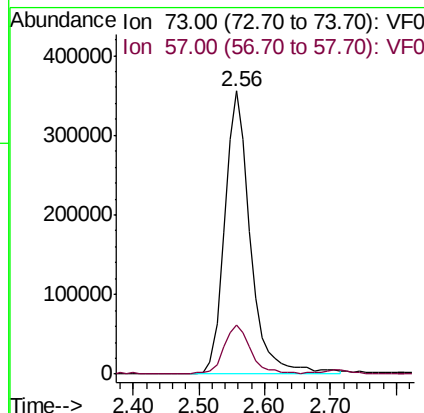
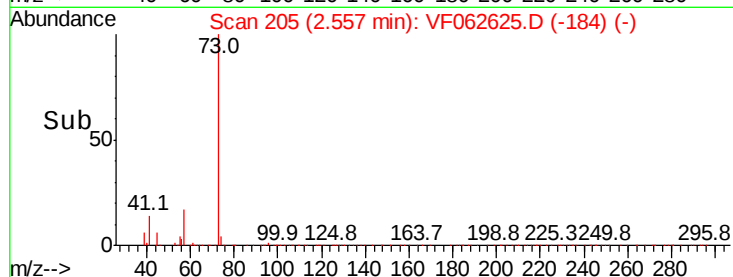
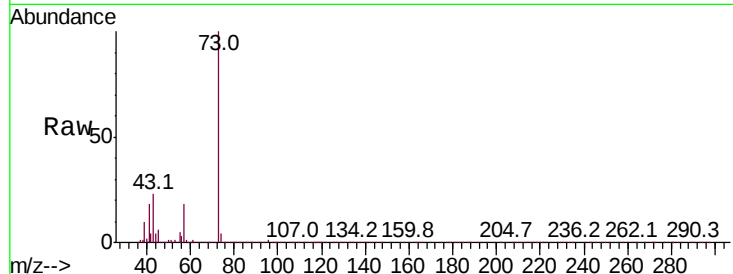
Methyl tert-butyl Ether
 Concen: 76.538 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	14.2	21.4

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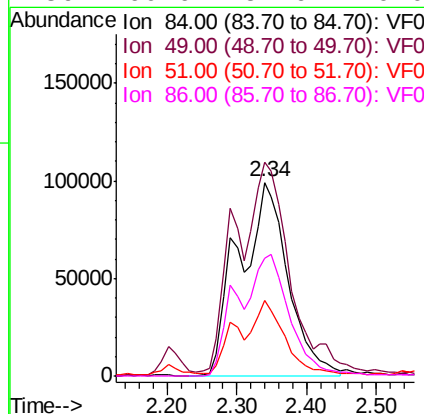
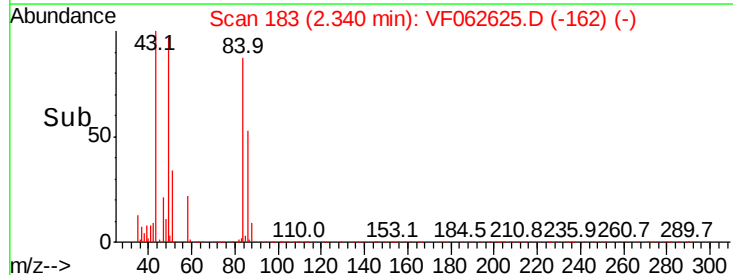
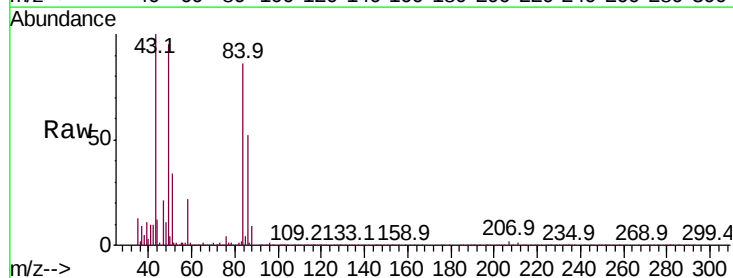
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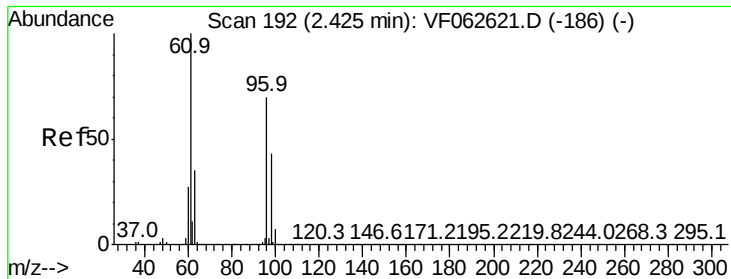


#20

Methylene Chloride
 Concen: 67.094 ug/l m
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.3	89.8	134.8
51	39.3	28.4	42.6
86	60.6	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 74.758 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

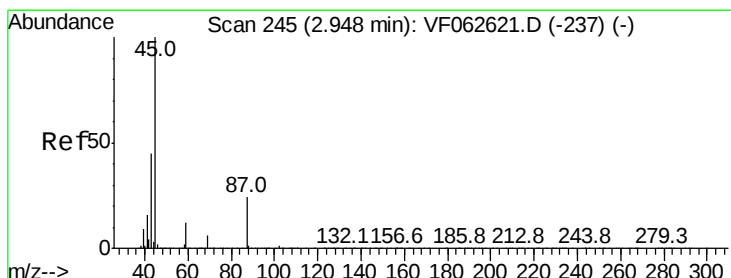
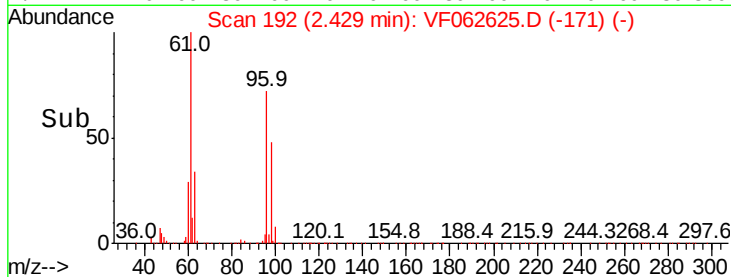
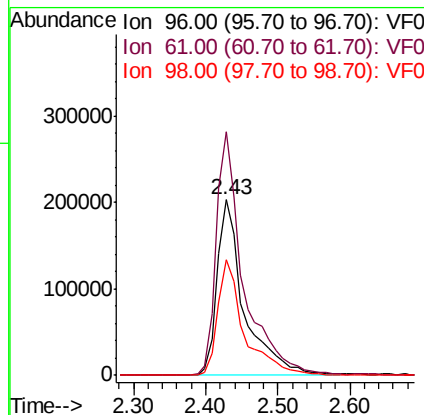
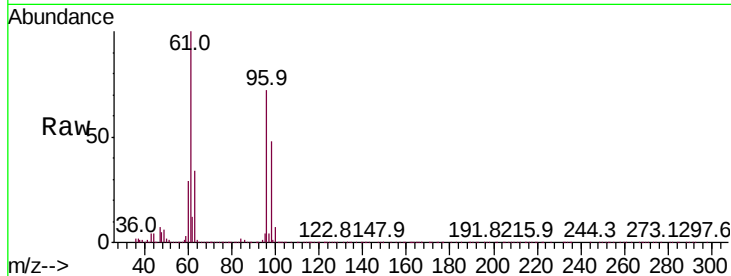
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	520467
Ion	Ratio	Lower	Upper
96	100		
61	138.9	114.6	171.8
98	66.3	49.5	74.3

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#22

Diisopropyl ether

Concen: 73.583 ug/l

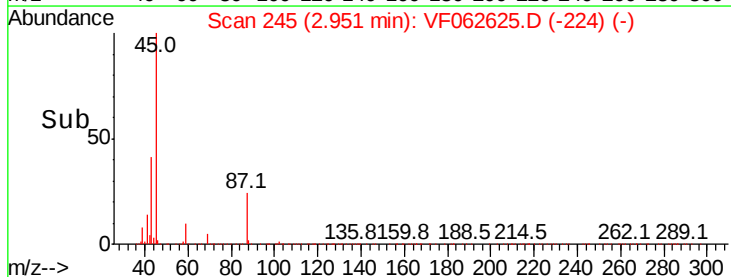
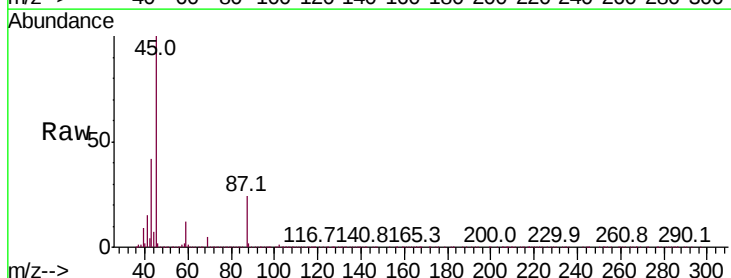
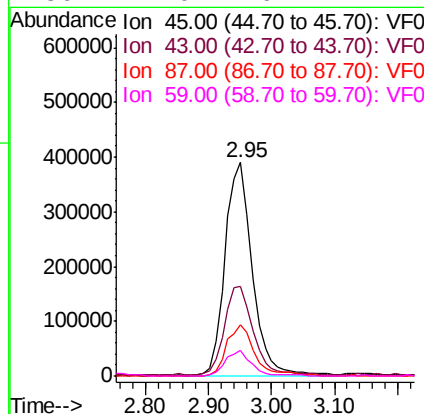
RT: 2.95 min Scan# 245

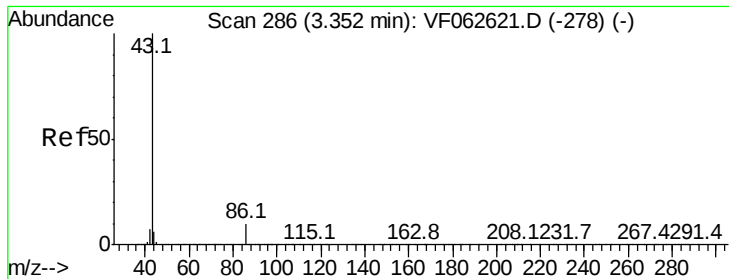
Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	45	Resp:	1169950
Ion	Ratio	Lower	Upper
45	100		
43	42.0	36.4	54.6
87	23.8	19.3	28.9
59	12.0	9.4	14.2





#23

Vinyl Acetate

Concen: 362.372 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 3886649

Ion Ratio Lower Upper

43 100

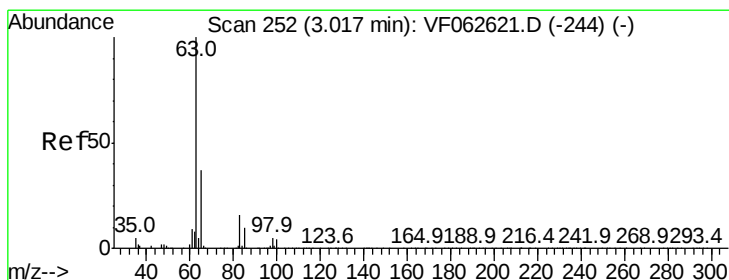
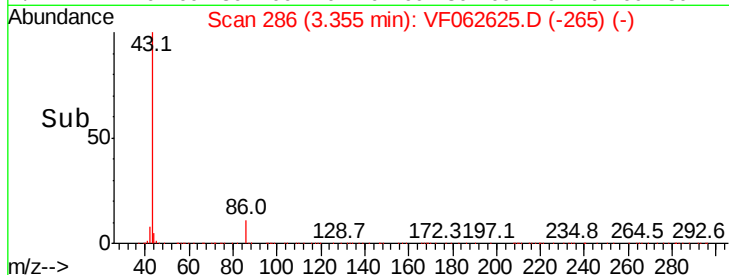
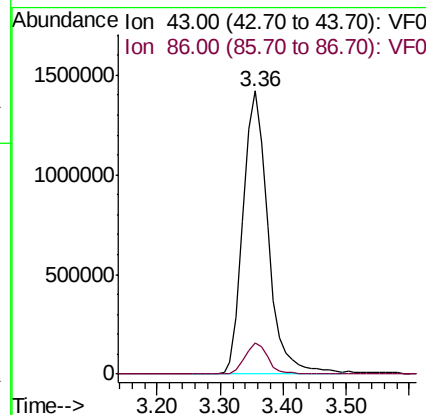
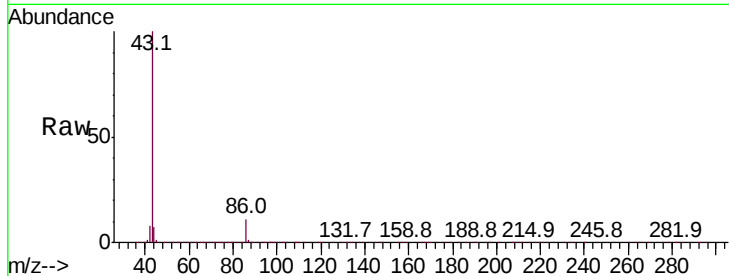
86 10.9 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 75.294 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

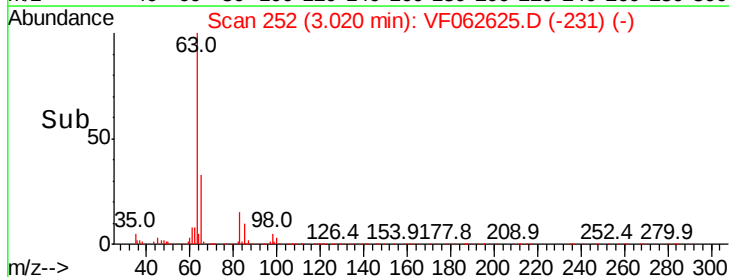
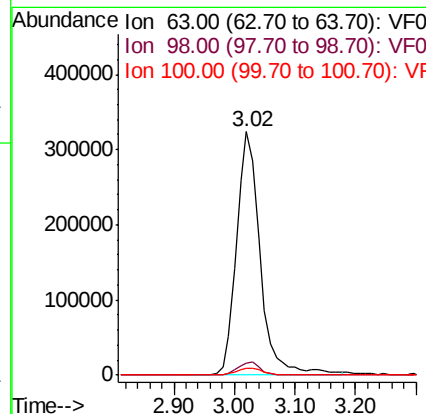
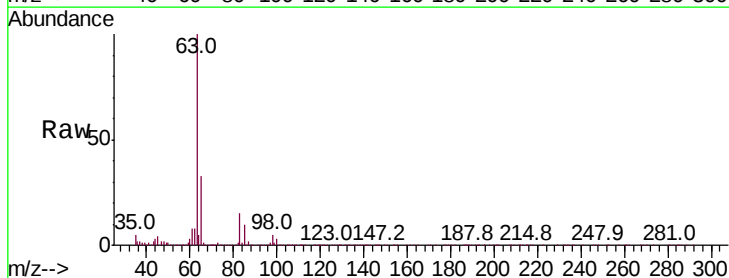
Tgt Ion: 63 Resp: 878229

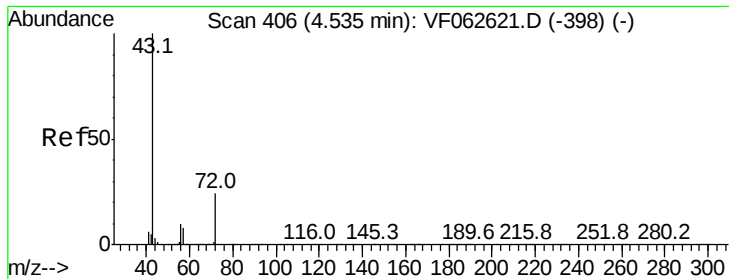
Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.3

100 3.0 1.9 5.7





#25

2-Butanone

Concen: 357.850 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1111351

Ion Ratio Lower Upper

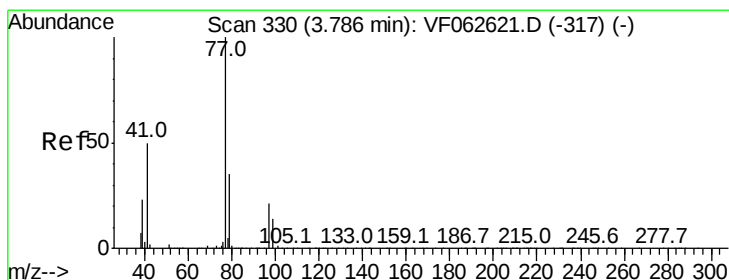
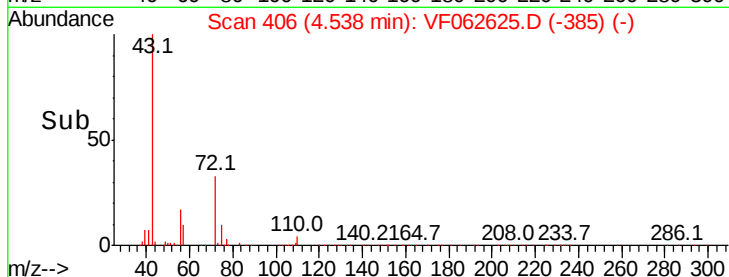
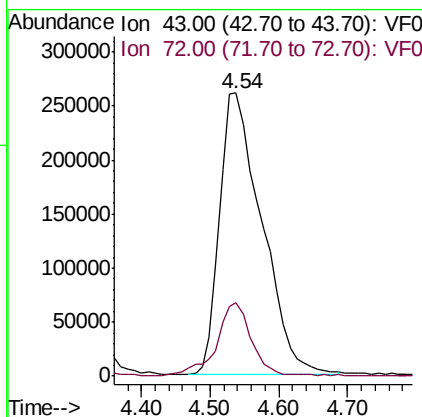
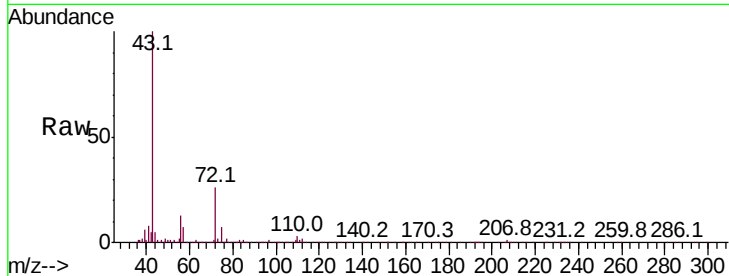
43 100

72 25.9 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 75.770 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062625.D

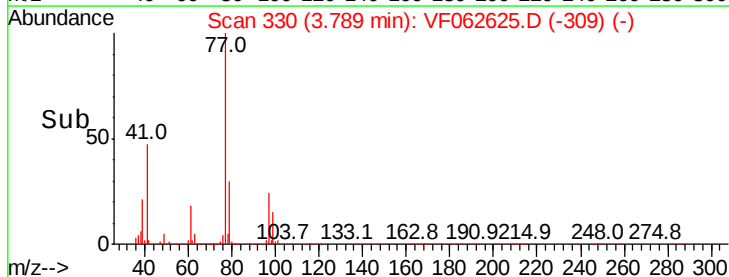
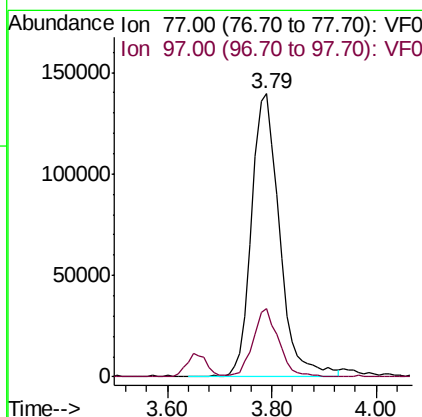
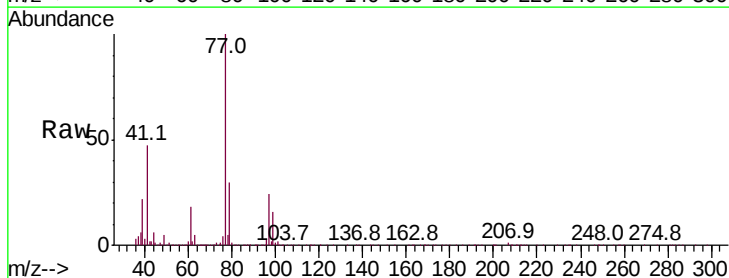
Acq: 16 May 2019 14:09

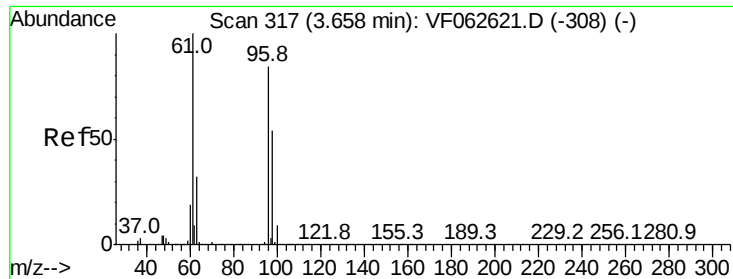
Tgt Ion: 77 Resp: 505669

Ion Ratio Lower Upper

77 100

97 24.0 14.1 42.4





#27

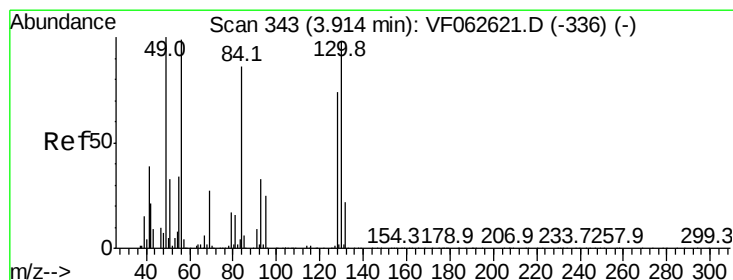
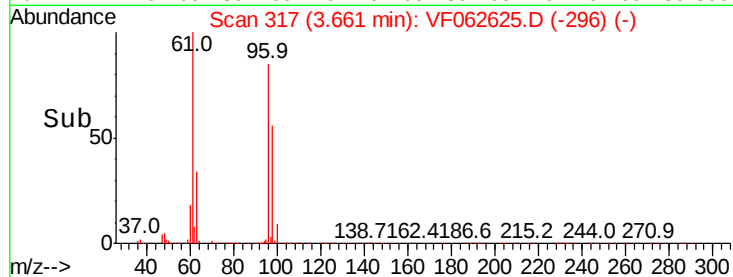
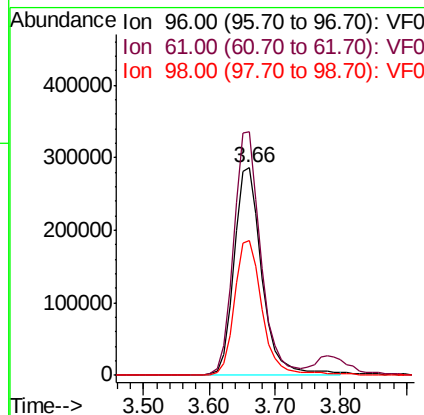
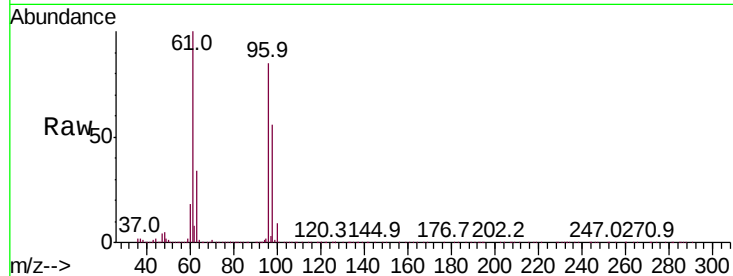
cis-1,2-Dichloroethene
Concen: 74.251 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	850317		
61	117.4	0.0	237.4	
98	65.3	0.0	129.0	

Manual Integrations
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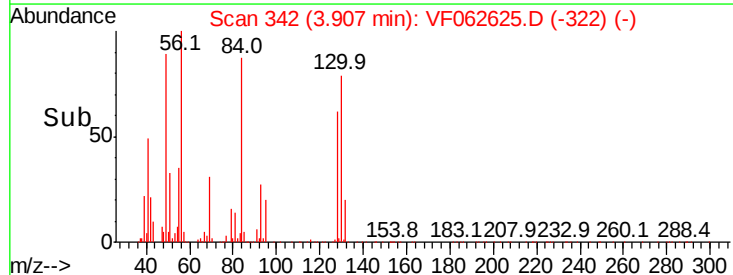
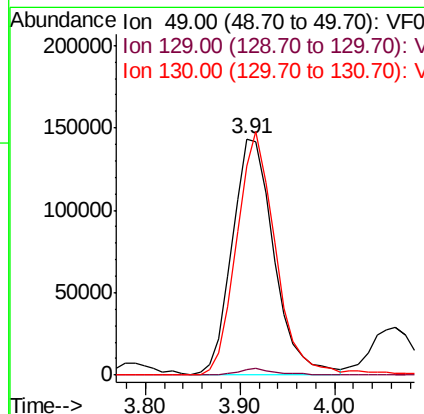
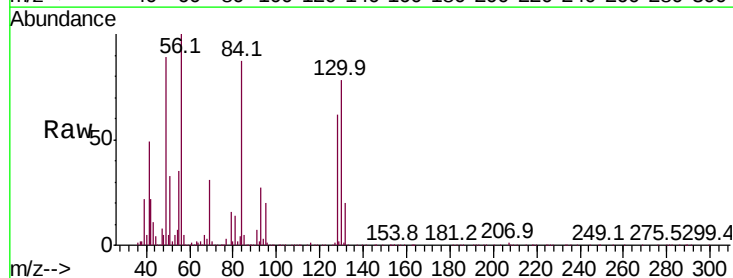
MMDadoda
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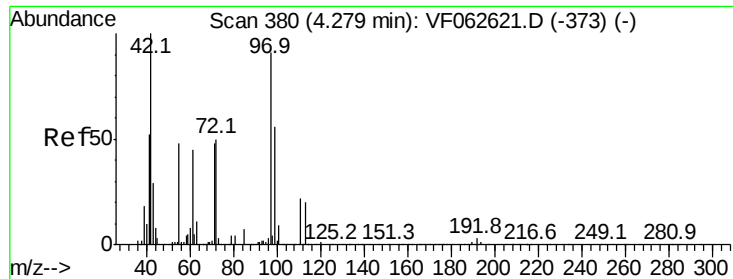


#28

Bromochloromethane
Concen: 66.664 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	436099		
129	2.5	0.0	4.0	
130	88.4	77.8	116.8	





#29

Tetrahydrofuran

Concen: 368.285 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

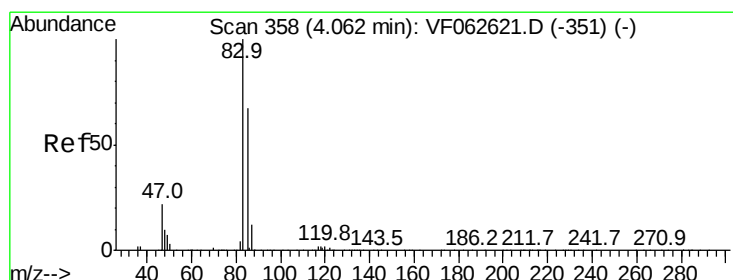
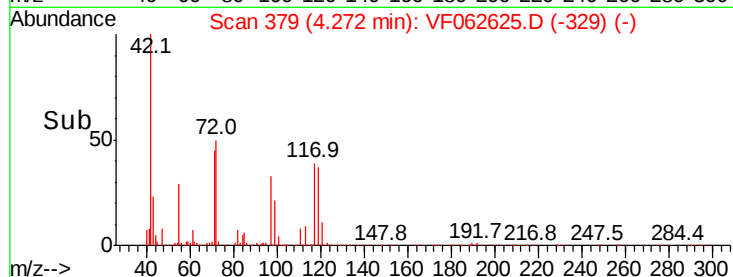
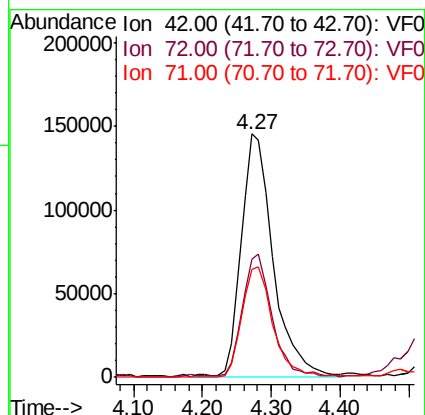
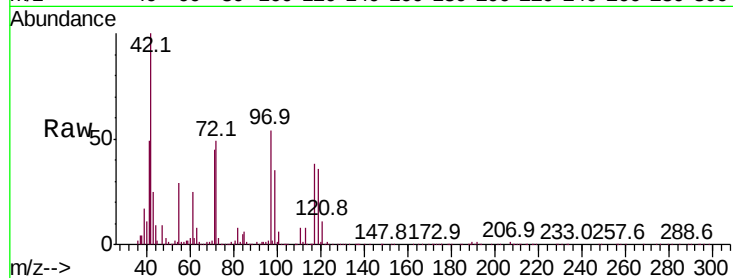
ClientSampleId :

VSTDIC075

Tot Ion:	42	Resp:	462840
Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.2	57.2
71	45.0	35.8	53.6

Manual Integrations
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#30

Chloroform

Concen: 74.202 ug/l

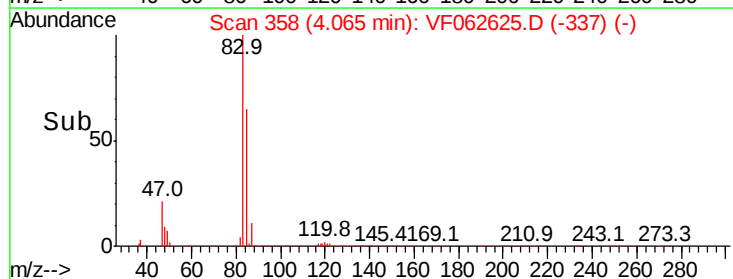
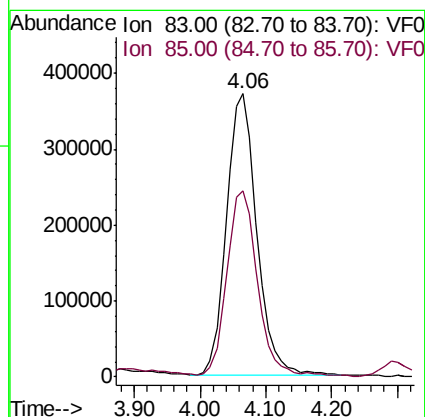
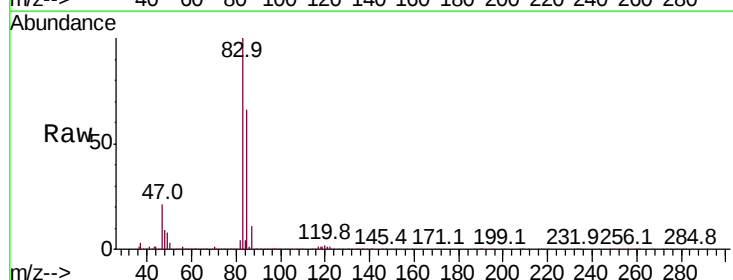
RT: 4.06 min Scan# 358

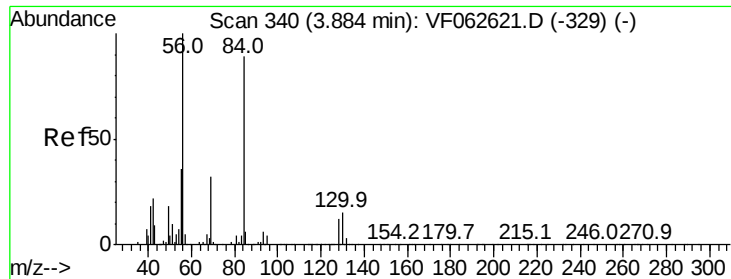
Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	83	Resp:	1201664
Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.6	80.4





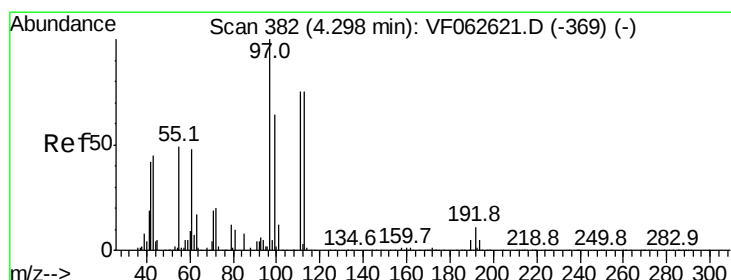
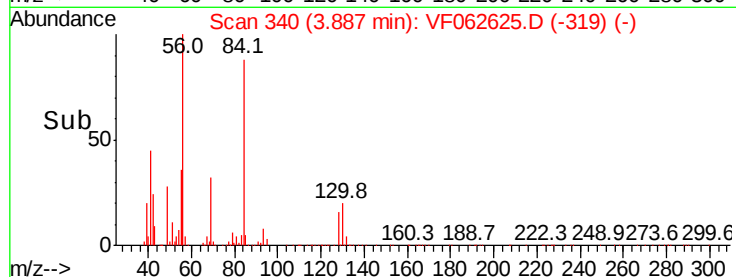
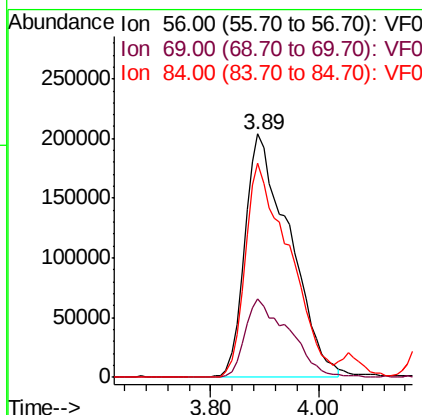
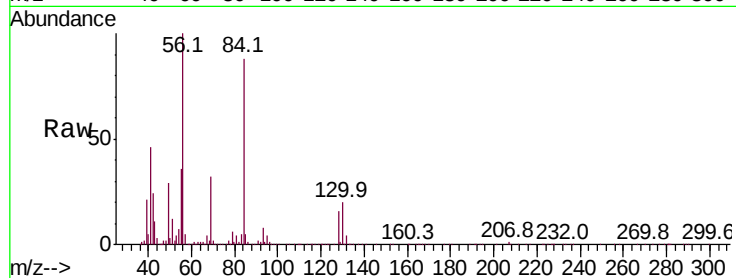
#31
Cyclohexane
Concen: 80.256 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 1165416
Ion Ratio Lower Upper
56 100
69 32.4 25.3 37.9
84 87.8 71.0 106.4

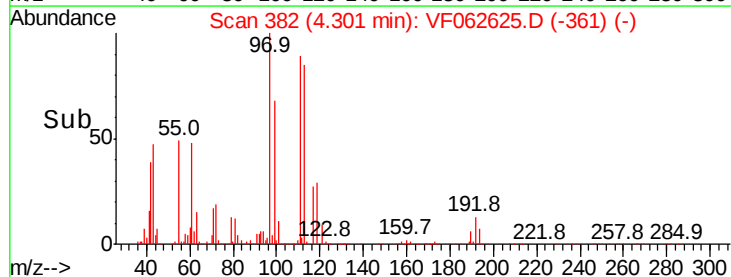
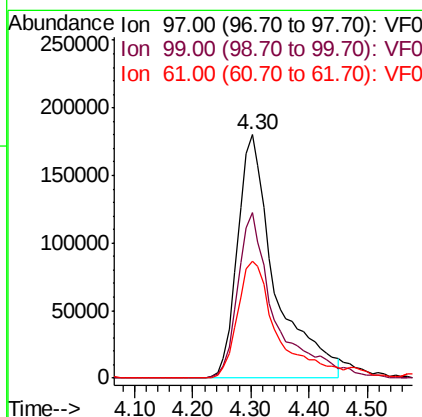
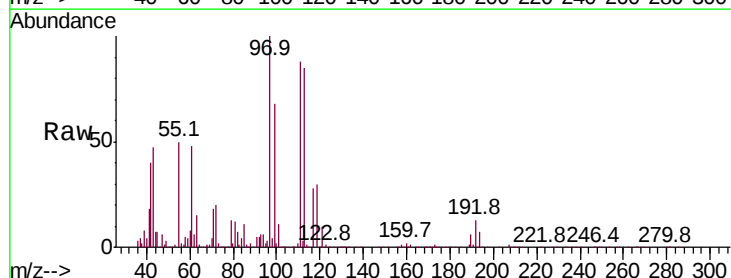
Manual Integrations
APPROVED

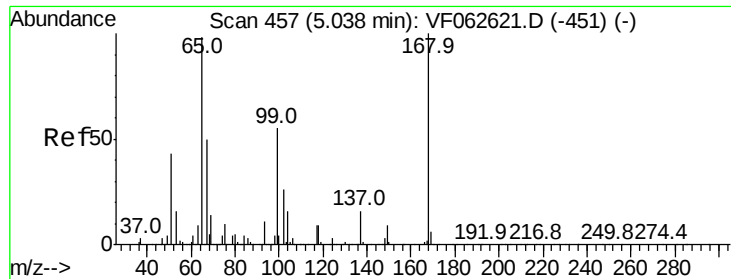
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#32
1,1,1-Trichloroethane
Concen: 75.649 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 97 Resp: 813609
Ion Ratio Lower Upper
97 100
99 68.1 51.3 76.9
61 47.9 38.2 57.2





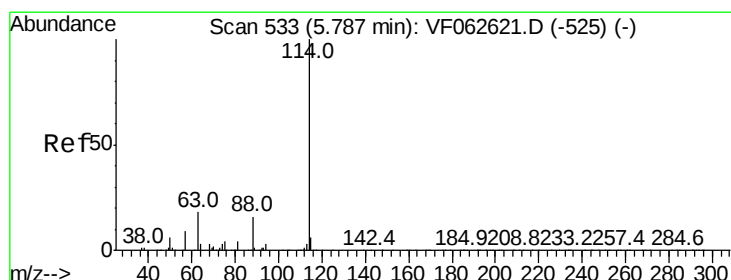
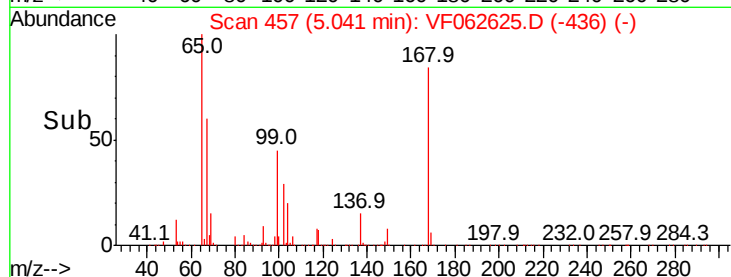
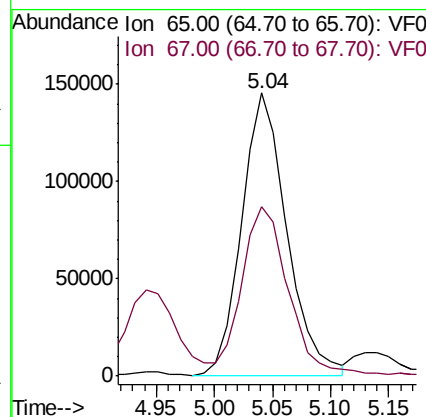
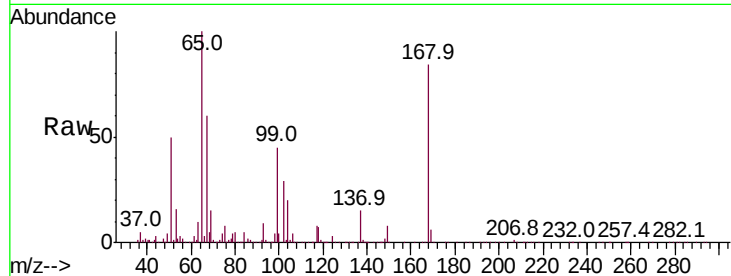
#33
 1,2-Dichloroethane-d4
 Concen: 69.391 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	388802		
67	59.7	0.0	117.6	

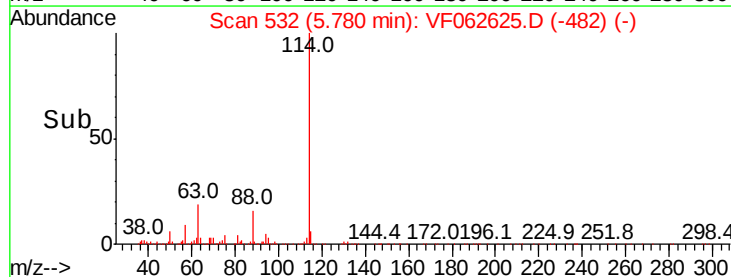
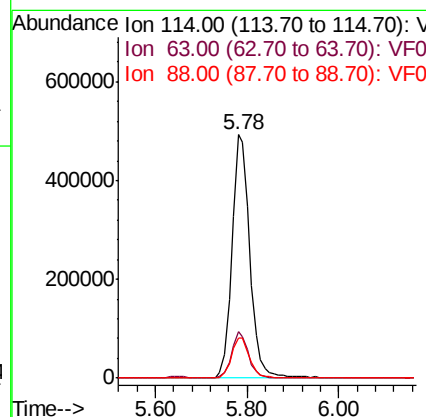
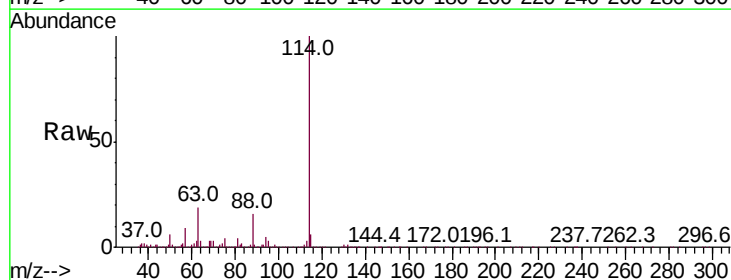
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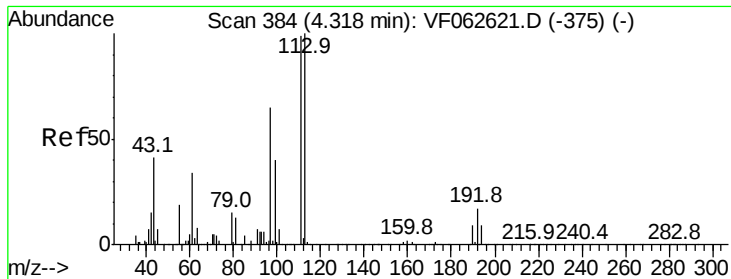
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1332058		
63	18.8	0.0	35.4	
88	16.4	0.0	32.4	





#35

Dibromofluoromethane

Concen: 67.357 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

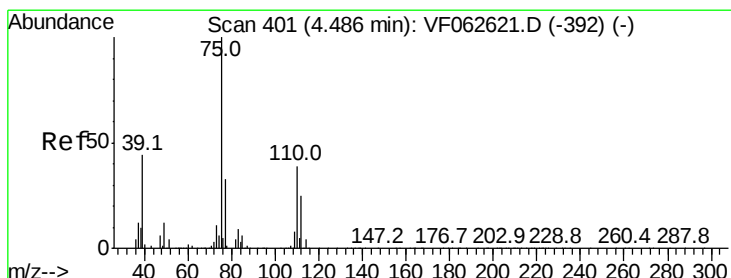
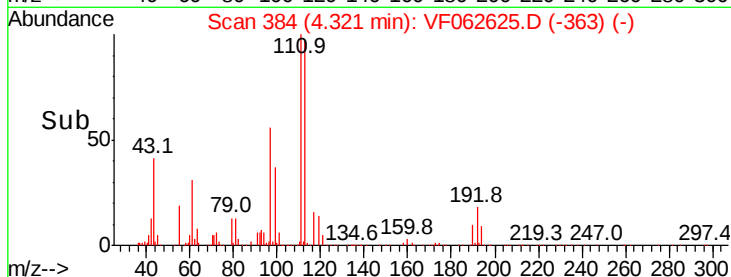
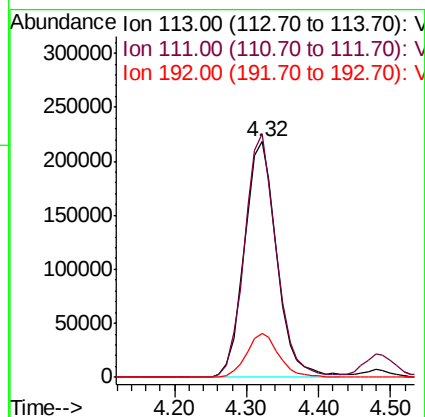
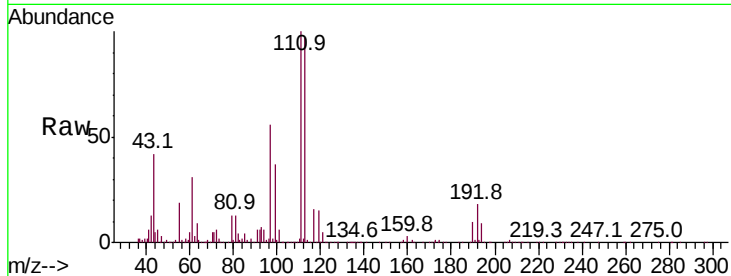
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	686564
Ion Ratio	Lower	Upper	
113	100		
111	103.5	79.4	119.2
192	18.7	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 70.996 ug/l

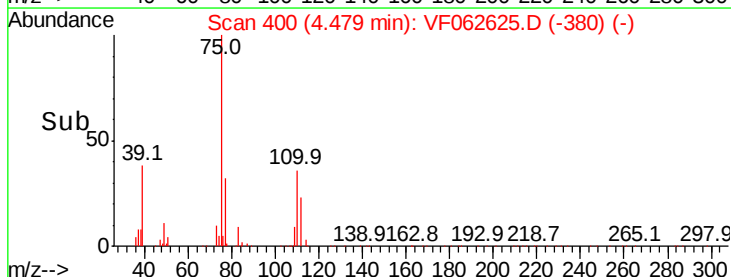
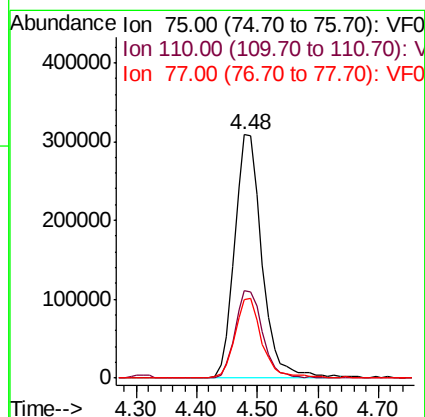
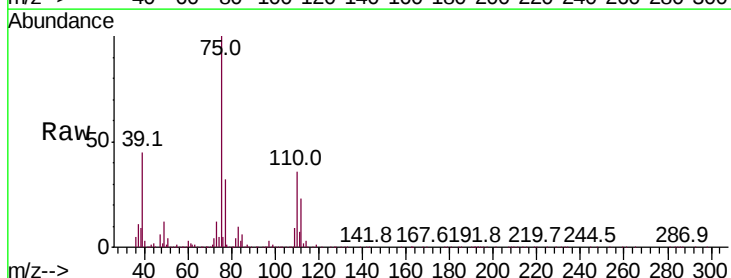
RT: 4.48 min Scan# 400

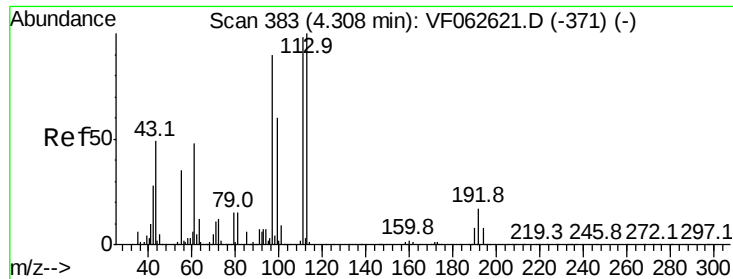
Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	75	Resp:	969064
Ion Ratio	Lower	Upper	
75	100		
110	36.1	19.7	59.1
77	32.3	26.3	39.5





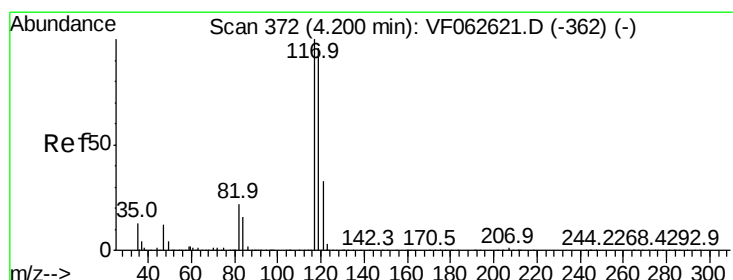
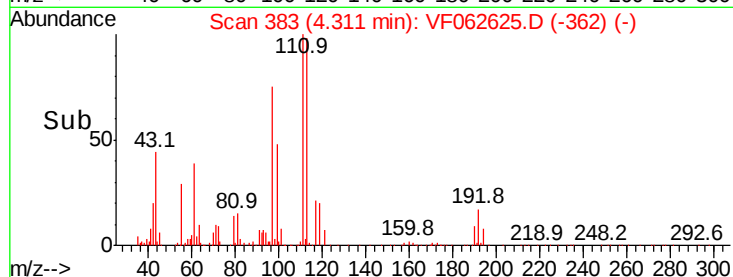
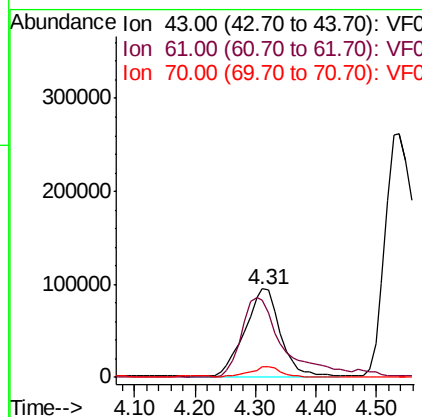
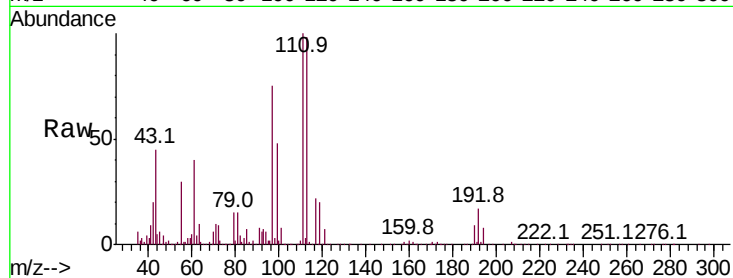
#37
Ethyl Acetate
Concen: 68.463 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	87.2	76.9	115.3
70	12.8	8.8	13.2

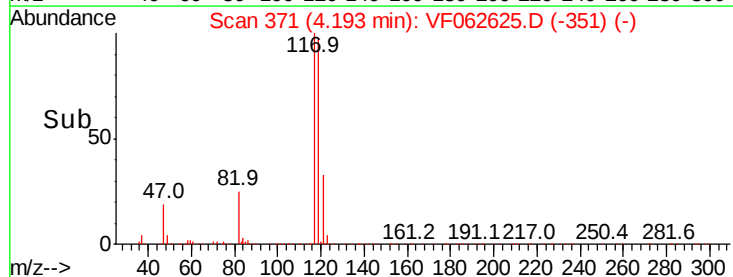
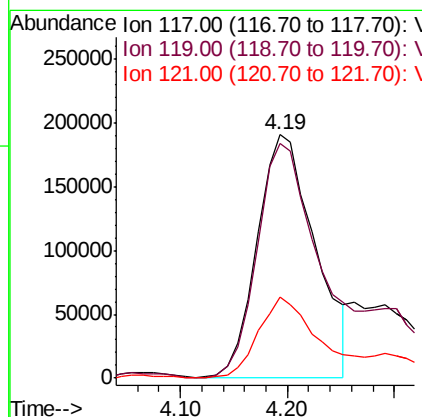
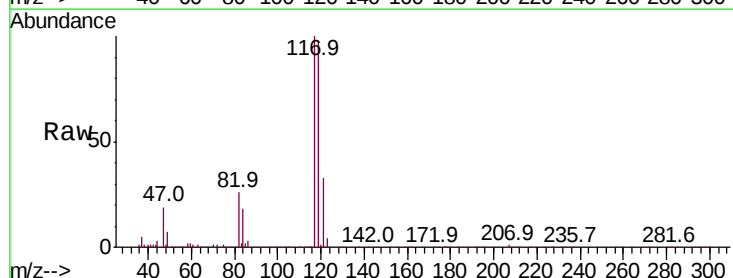
Manual Integrations
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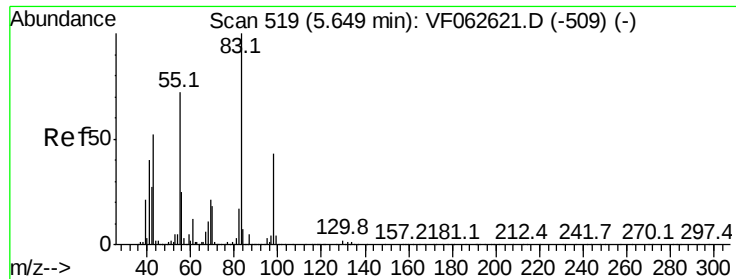
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#38
Carbon Tetrachloride
Concen: 75.093 ug/l m
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.7	115.1
121	33.5	26.6	40.0





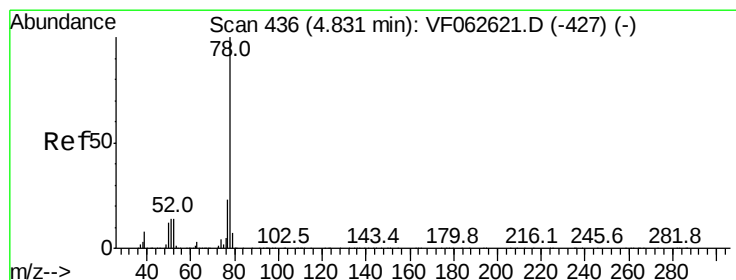
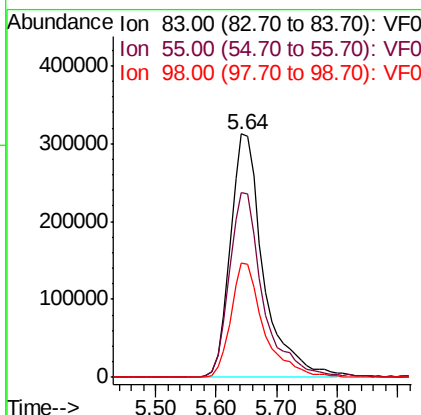
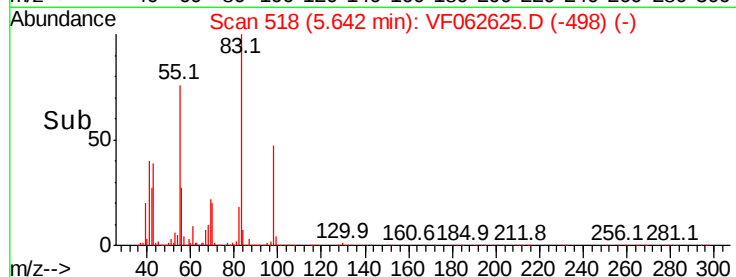
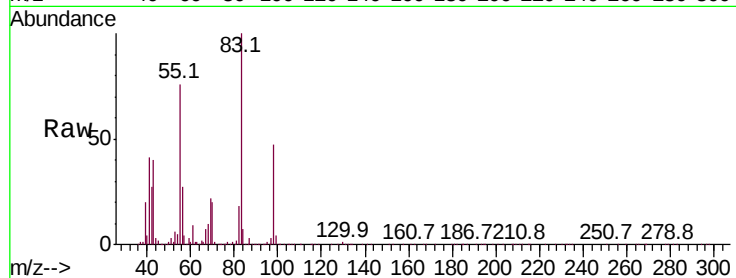
#39
Methvlcvclohexane
Concen: 72.689 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	57.9	86.9
98	47.2	34.6	52.0

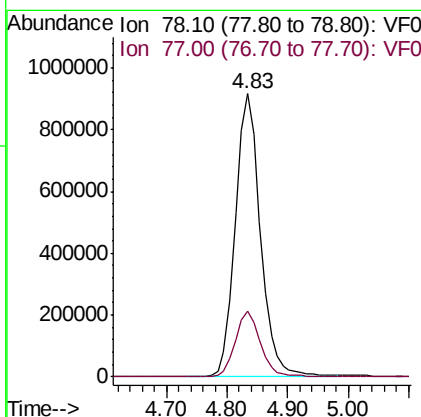
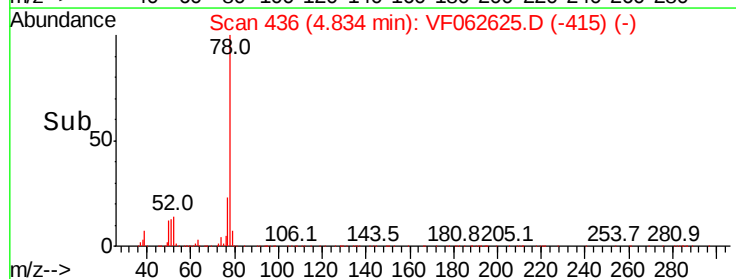
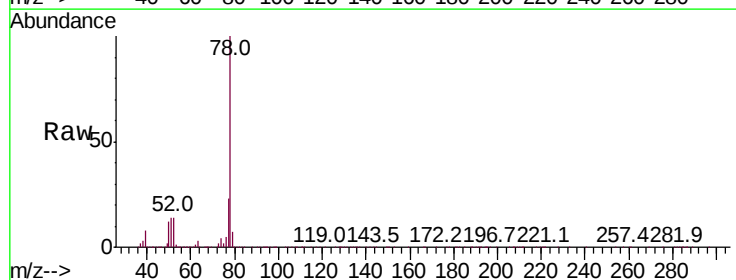
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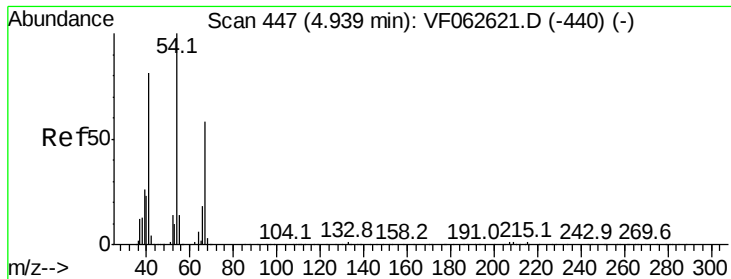
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#40
Benzene
Concen: 71.326 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.2





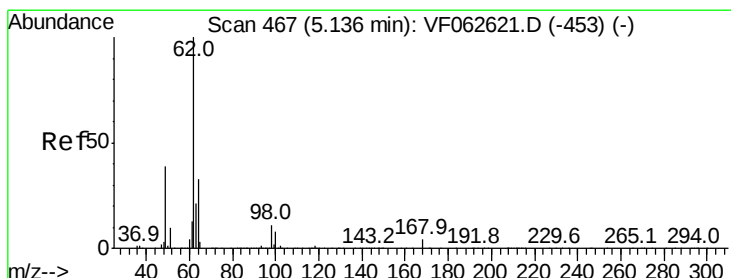
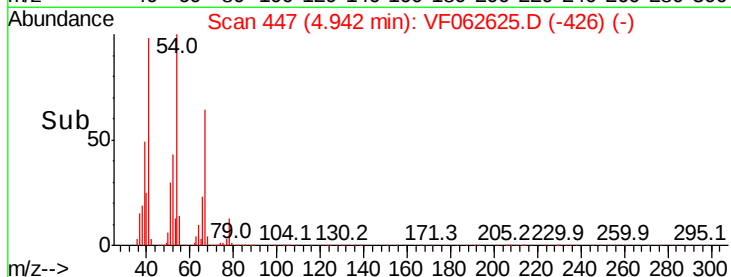
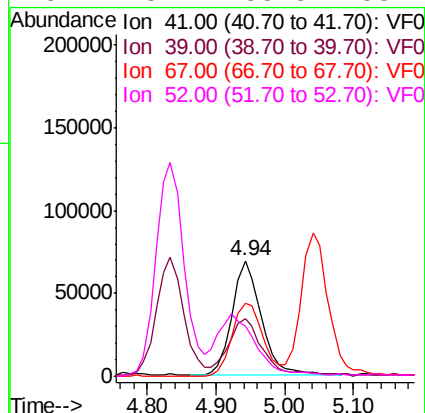
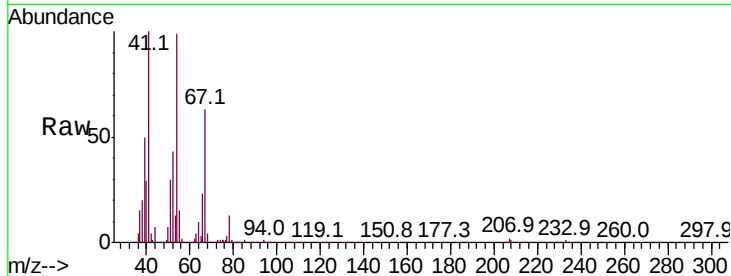
#41
Methacrylonitrile
Concen: 68.902 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.6	42.2	63.2
67	63.5	56.4	84.6
52	43.4	38.8	58.2

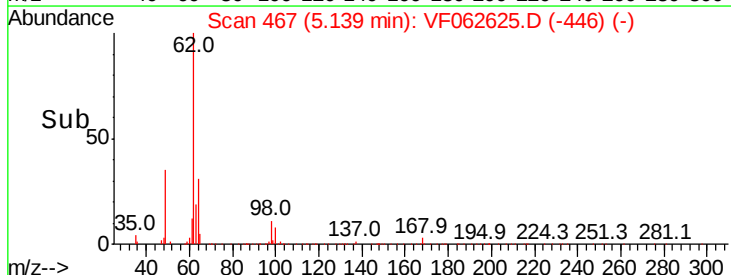
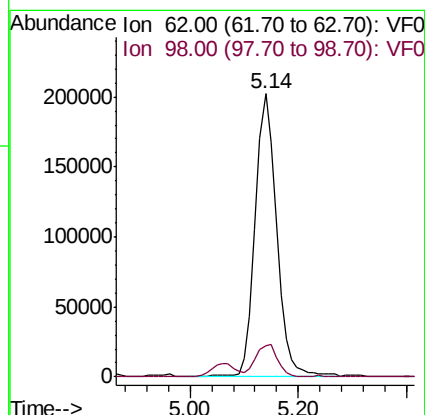
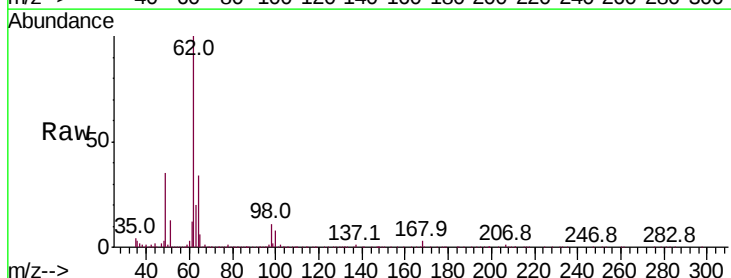
Manual Integrations
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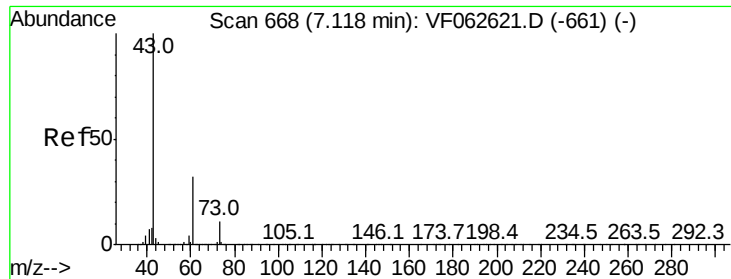
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#42
1,2-Dichloroethane
Concen: 75.505 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.6





#43

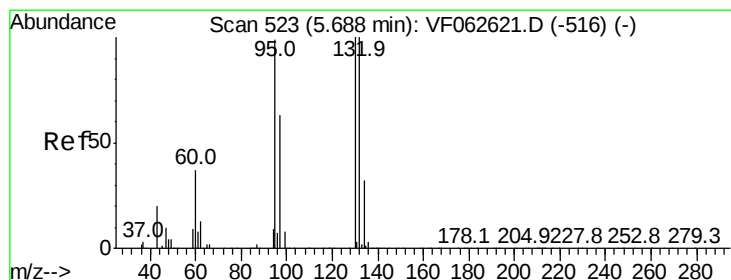
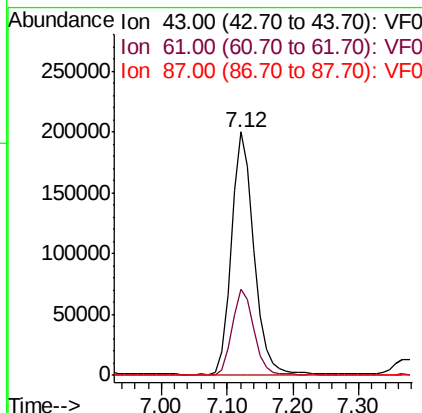
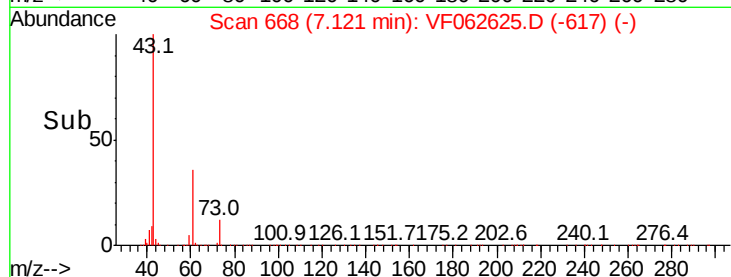
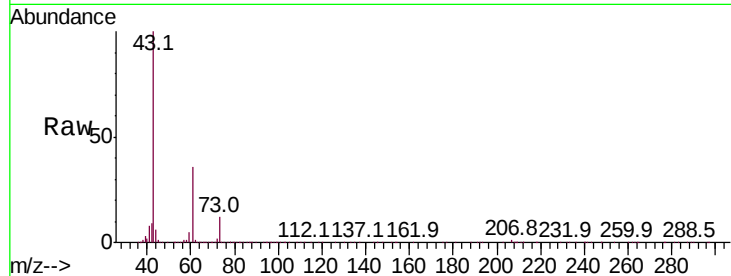
Isopropyl Acetate
 Concen: 66.666 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.7	25.8	38.8
87	0.4	0.4	0.6

Manual Integrations
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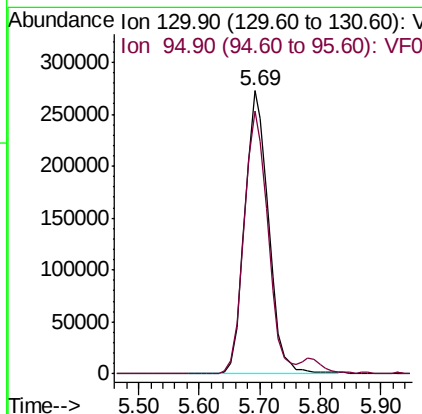
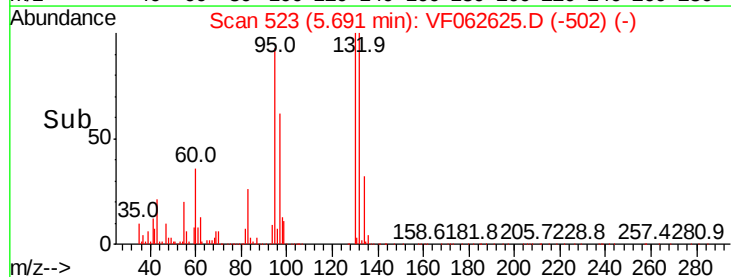
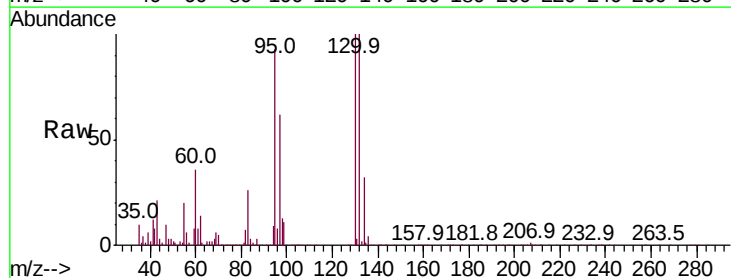
MMDadoda
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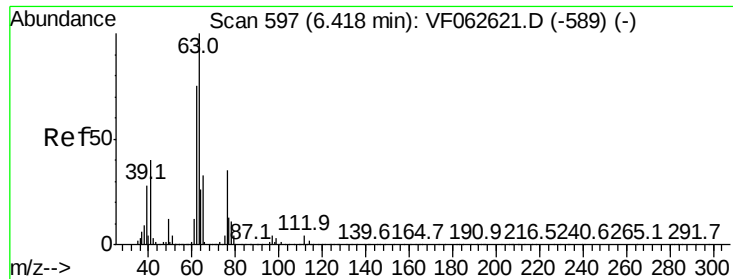


#44

Trichloroethene
 Concen: 71.253 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	199.4





#45

1,2-Dichloropropane

Concen: 71.670 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 672749

Ion Ratio Lower Upper

63 100

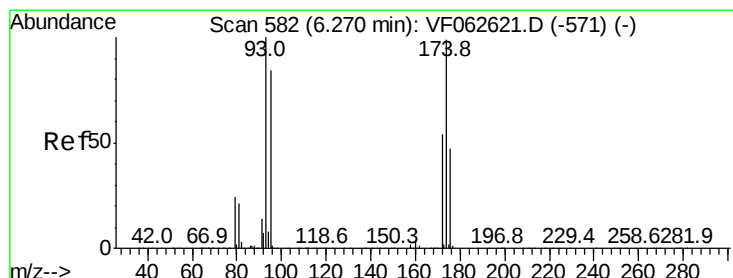
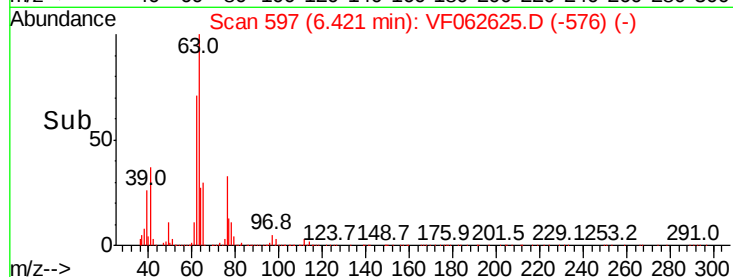
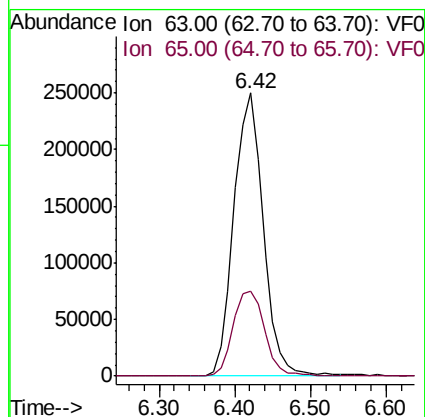
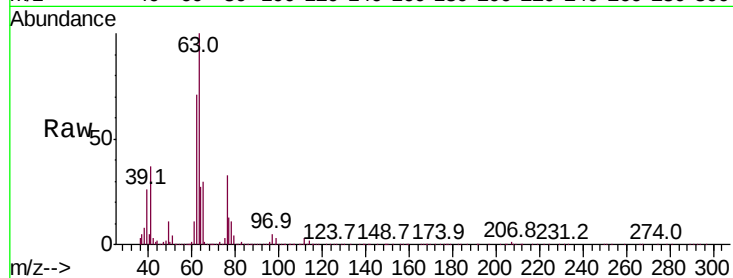
65 30.2 26.3 39.5

Manual Integrations

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5/17/2019 4:20:22 PM



#46

Dibromomethane

Concen: 71.203 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

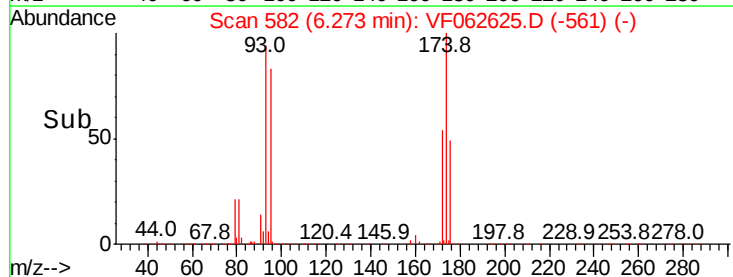
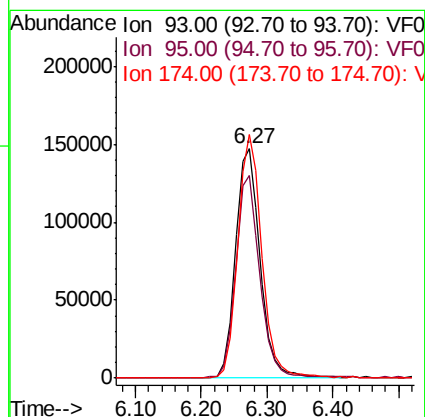
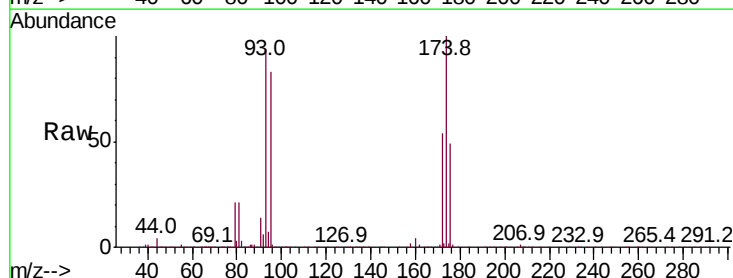
Tgt Ion: 93 Resp: 386270

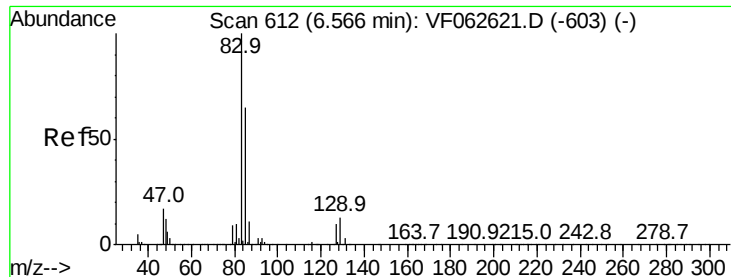
Ion Ratio Lower Upper

93 100

95 88.6 67.4 101.2

174 106.3 79.4 119.2





#47

Bromodichloromethane

Concen: 73.660 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

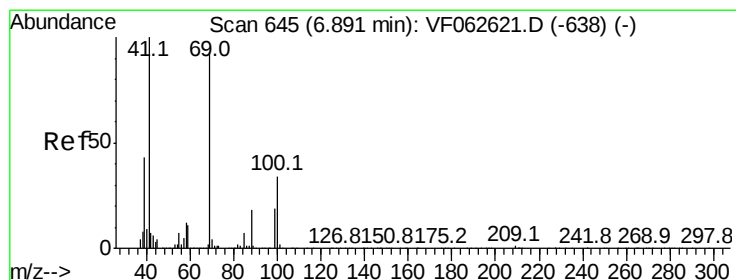
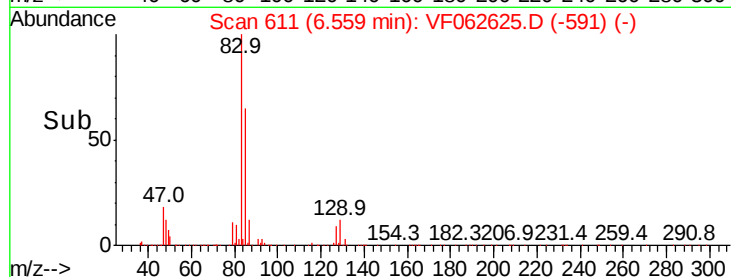
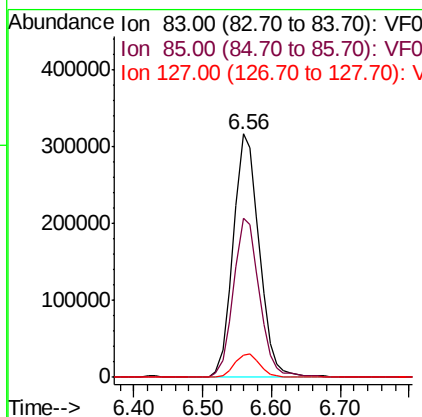
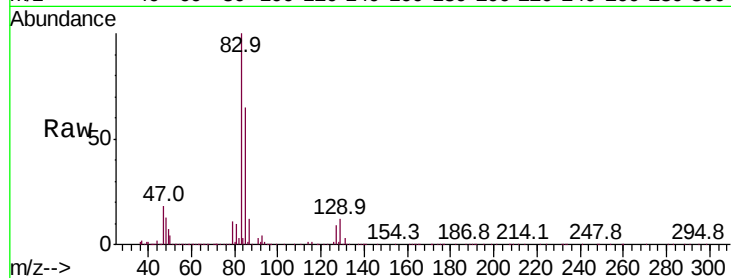
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	829561
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.0	78.0
127	9.3	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 72.970 ug/l

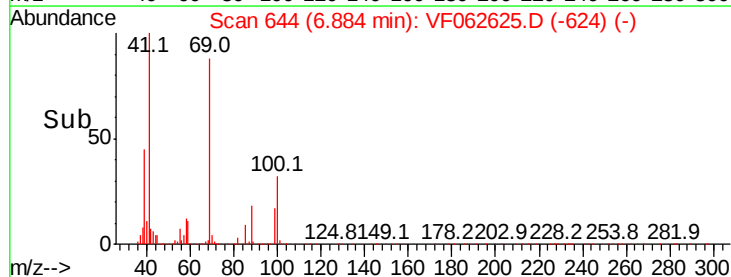
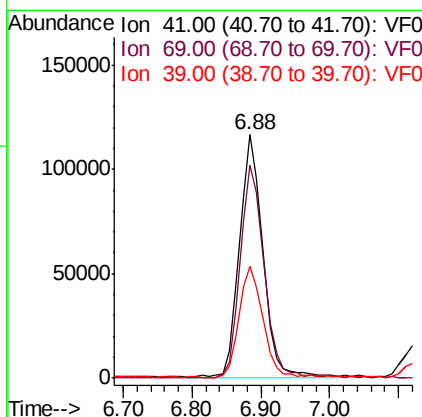
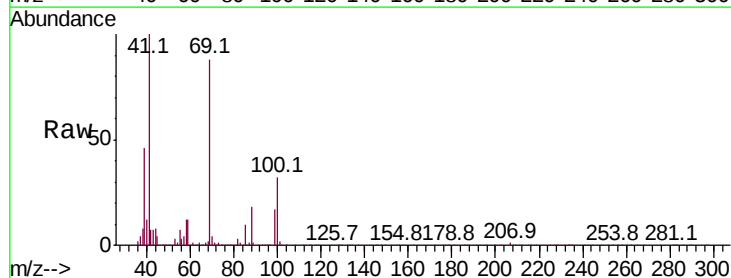
RT: 6.88 min Scan# 644

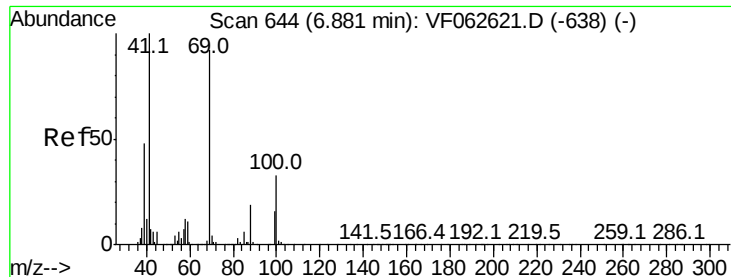
Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	41	Resp:	275378
Ion Ratio	Lower	Upper	
41	100		
69	87.6	74.2	111.2
39	45.9	34.2	51.4





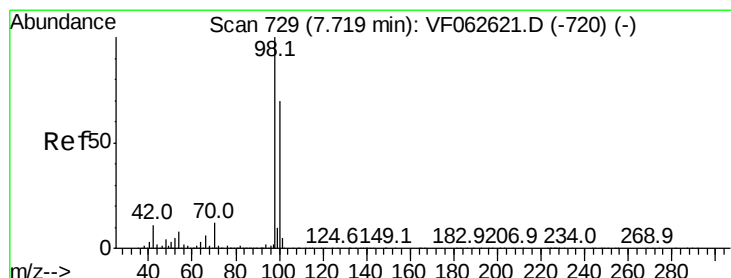
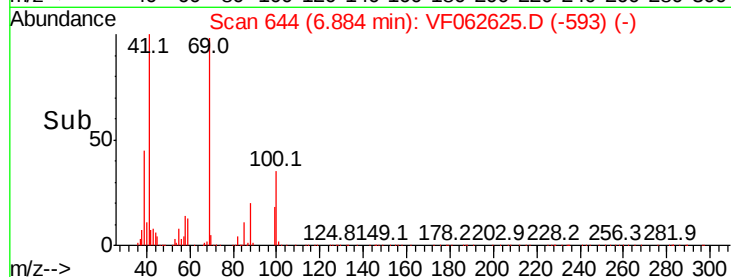
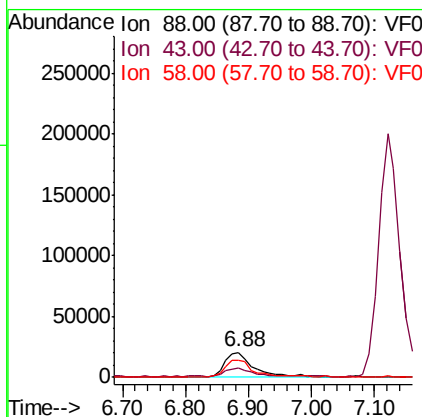
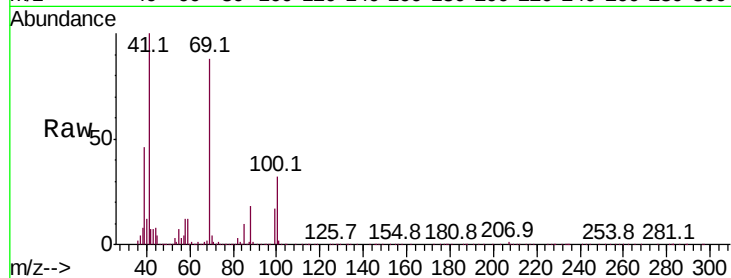
#49
1,4-Dioxane
Concen: 1417.535 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
88	100	68517		
43	38.9		30.0	45.0
58	68.8		51.1	76.7

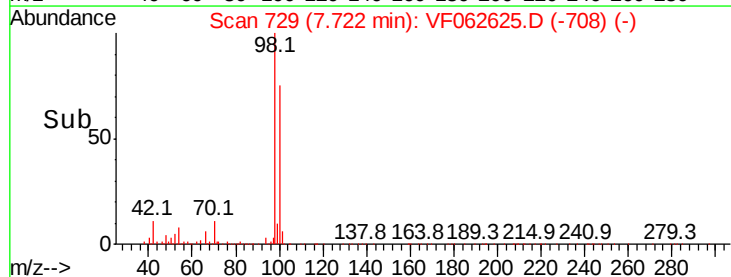
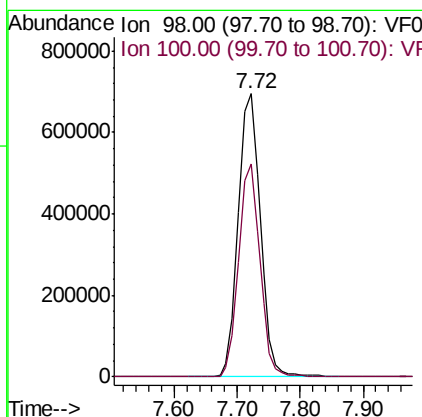
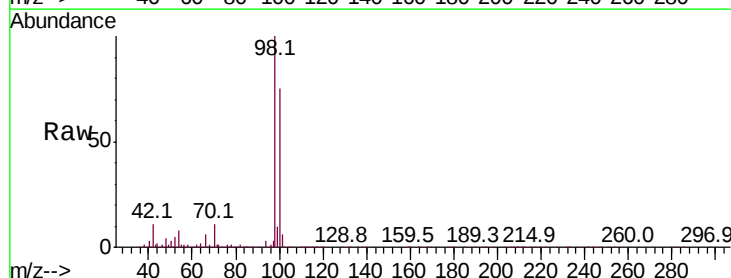
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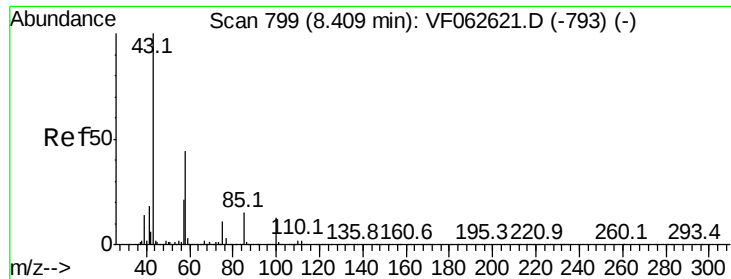
MMDadoda
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#50
Toluene-d8
Concen: 69.314 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1686878		
100	75.2		56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 326.478 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1611255

Ion Ratio Lower Upper

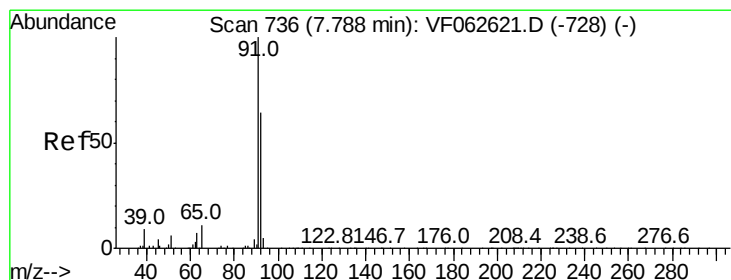
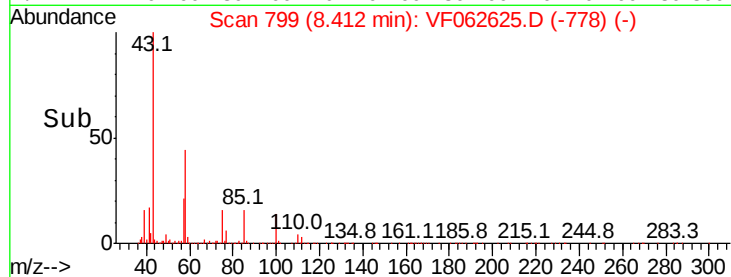
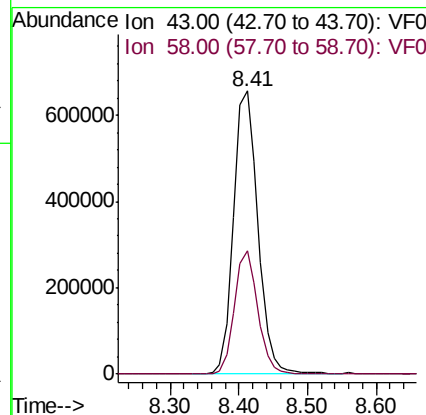
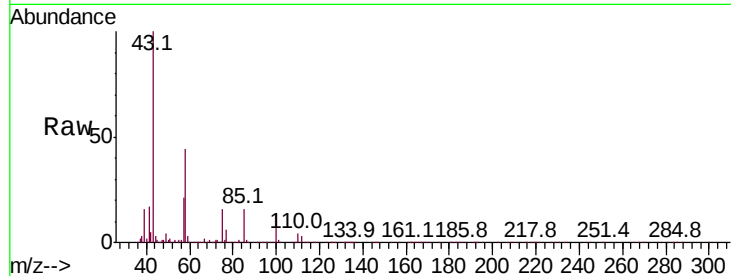
43 100

58 43.7 34.9 52.3

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5/17/2019 4:20:22 PM



#52

Toluene

Concen: 72.356 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062625.D

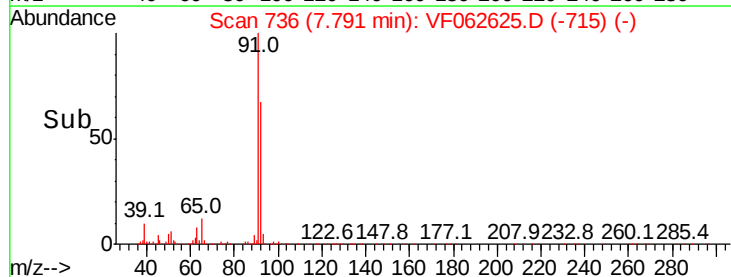
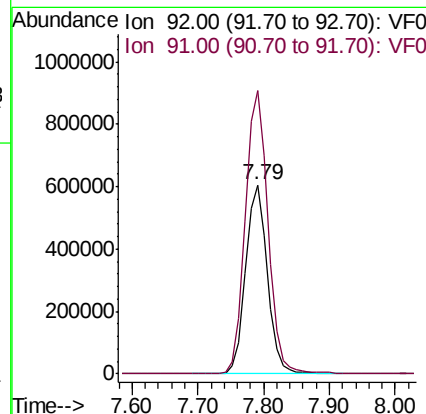
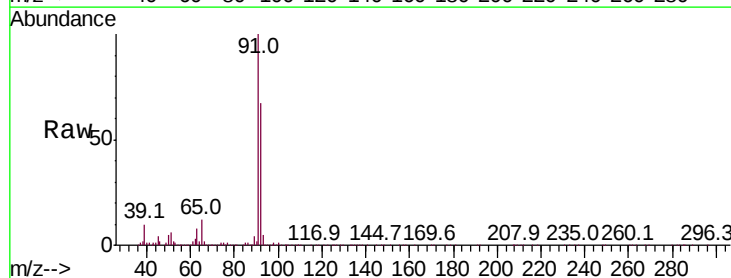
Acq: 16 May 2019 14:09

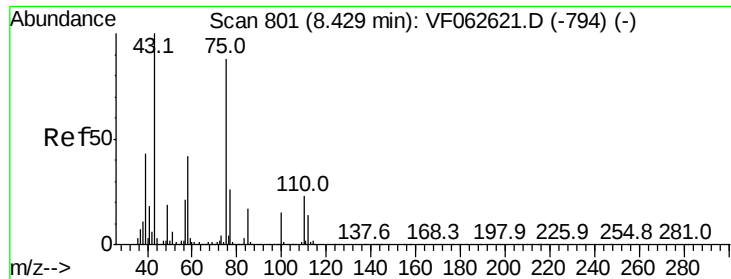
Tgt Ion: 92 Resp: 1411040

Ion Ratio Lower Upper

92 100

91 149.9 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 73.507 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 677278

Ion Ratio Lower Upper

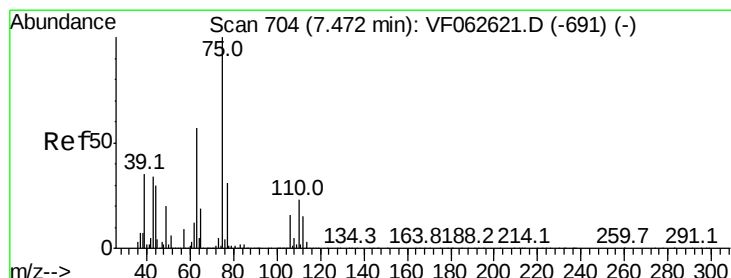
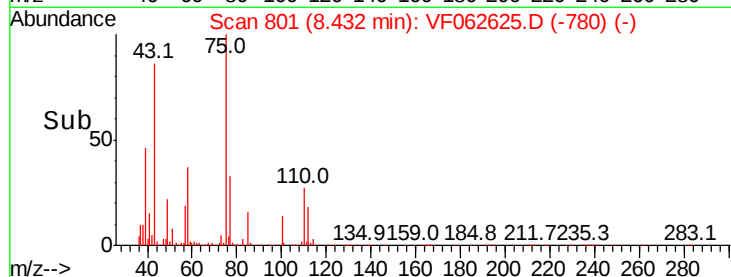
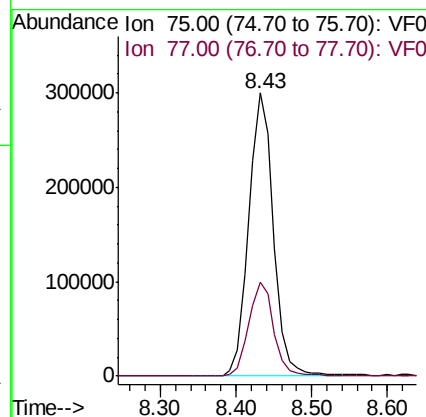
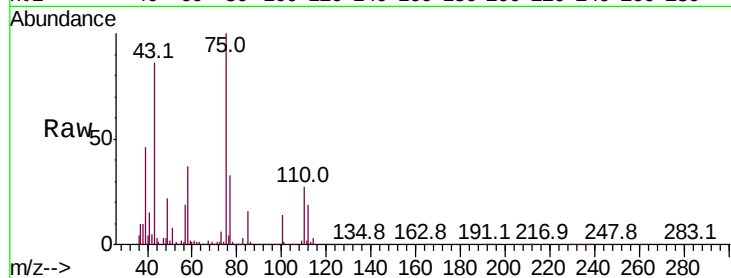
75 100

77 33.1 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 72.951 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

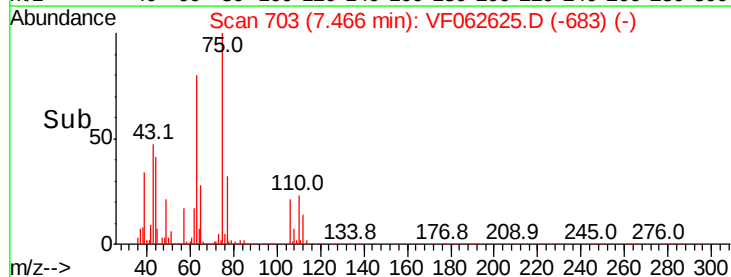
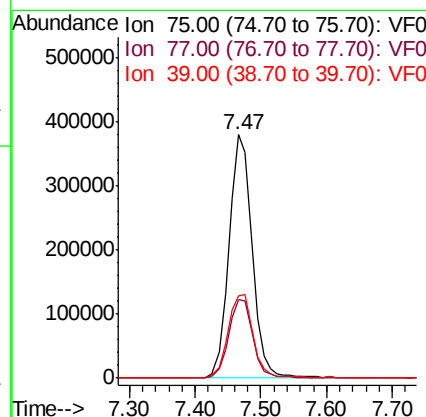
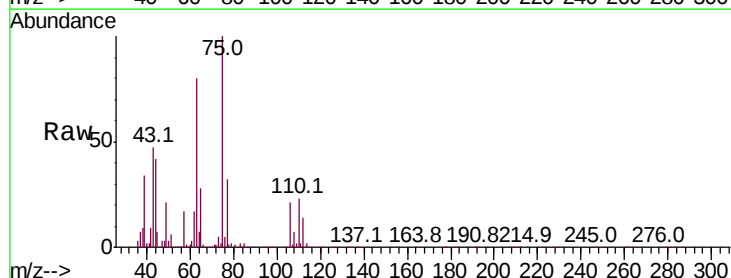
Tgt Ion: 75 Resp: 940895

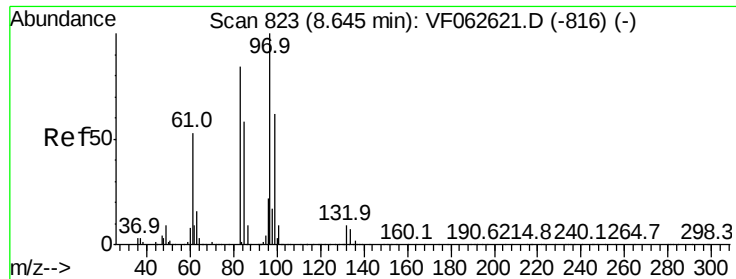
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 34.1 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 72.104 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

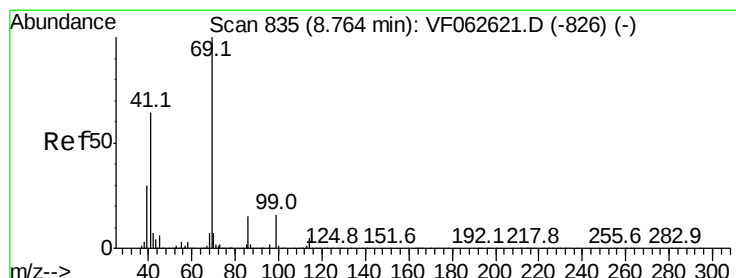
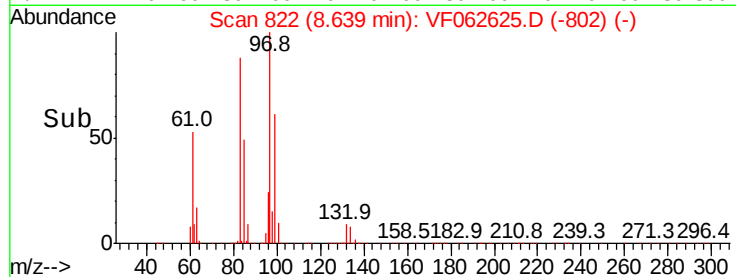
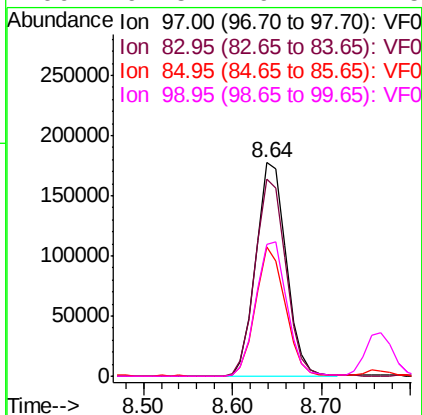
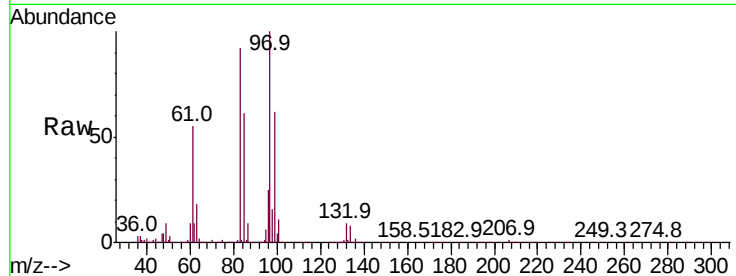
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	416337
Ion Ratio	Lower	Upper	
97	100		
83	92.2	67.3	100.9
85	60.7	46.6	69.8
99	61.5	49.7	74.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 69.463 ug/l

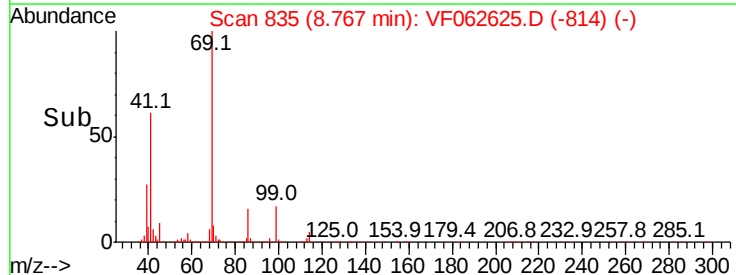
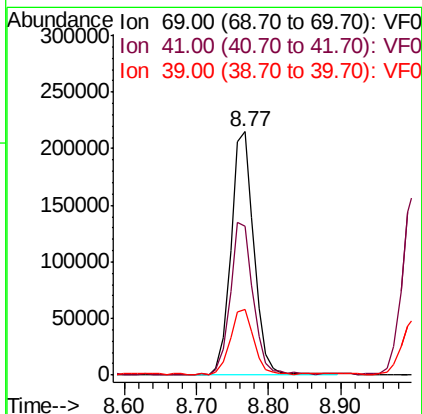
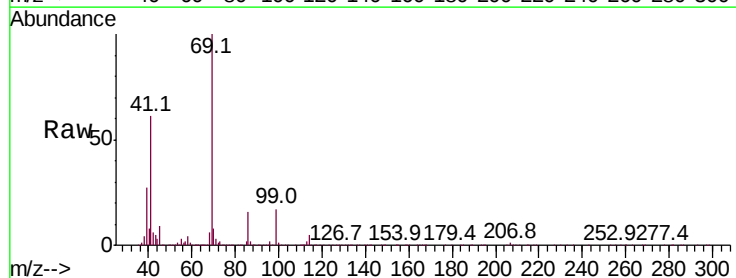
RT: 8.77 min Scan# 835

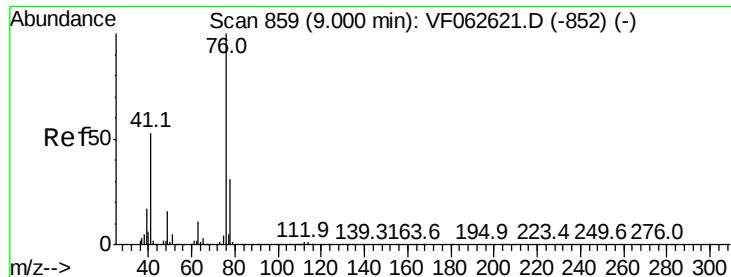
Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	69	Resp:	477845
Ion Ratio	Lower	Upper	
69	100		
41	61.1	51.4	77.2
39	27.2	23.6	35.4





#57

1,3-Dichloropropane

Concen: 73.941 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 727209

Ion Ratio Lower Upper

76 100

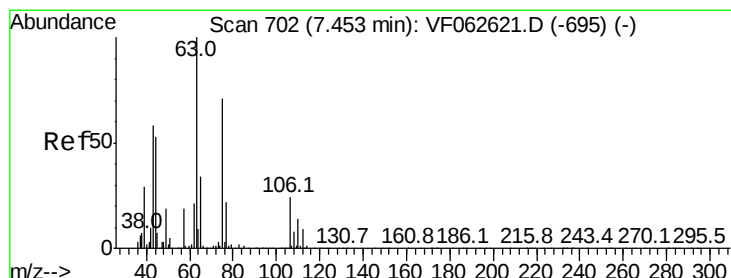
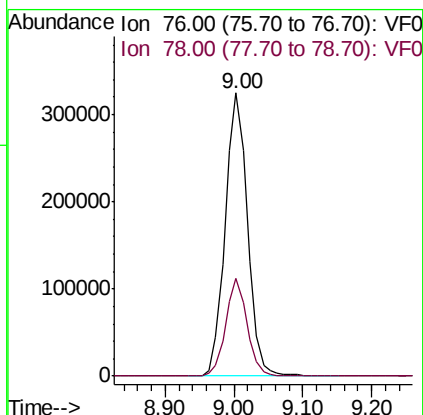
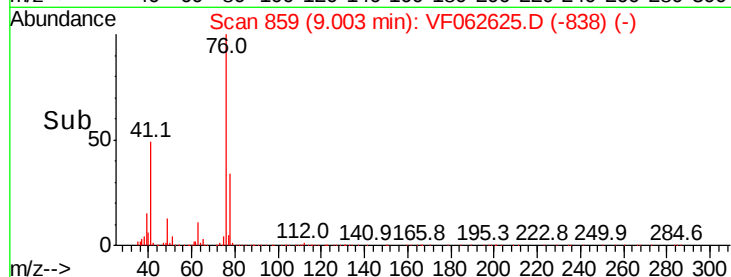
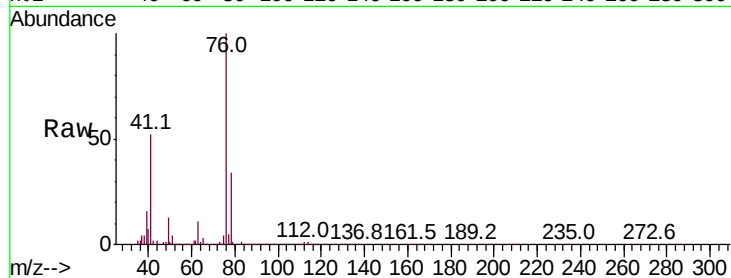
78 34.3 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 356.051 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062625.D

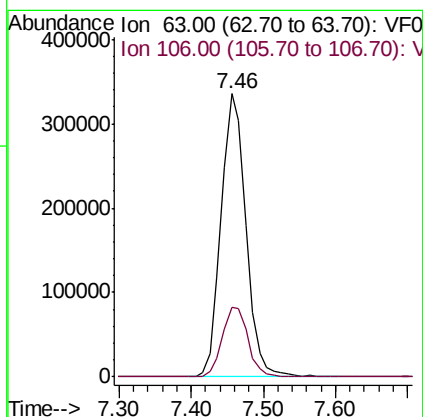
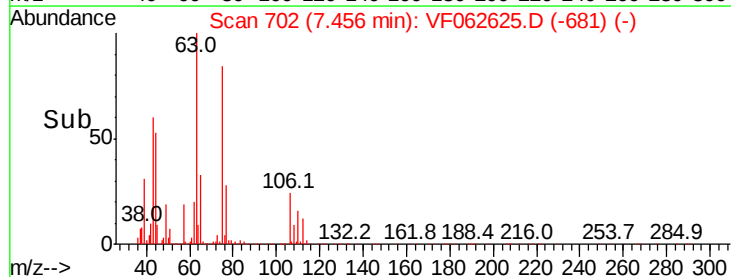
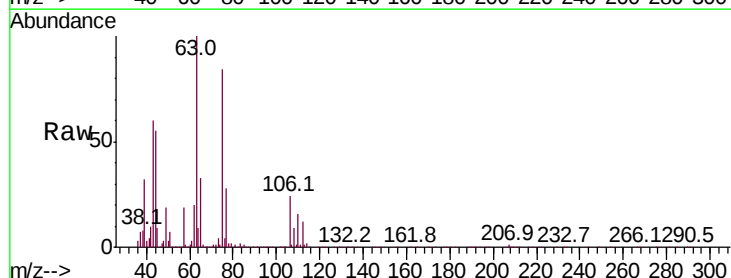
Acq: 16 May 2019 14:09

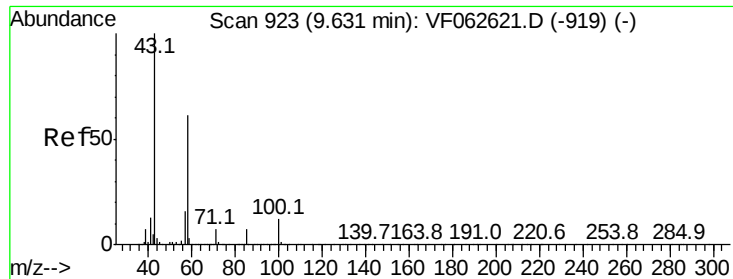
Tgt Ion: 63 Resp: 797257

Ion Ratio Lower Upper

63 100

106 24.5 19.1 28.7





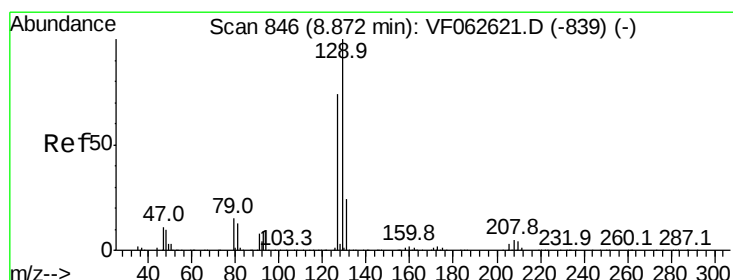
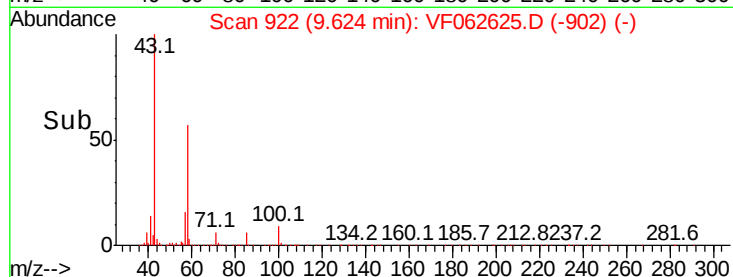
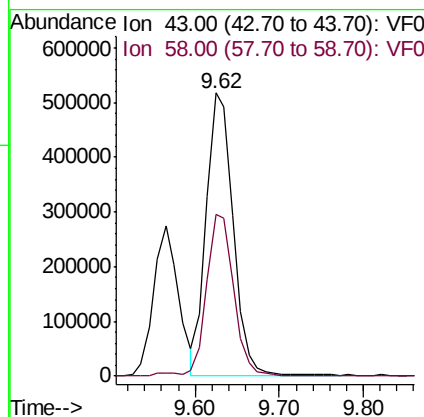
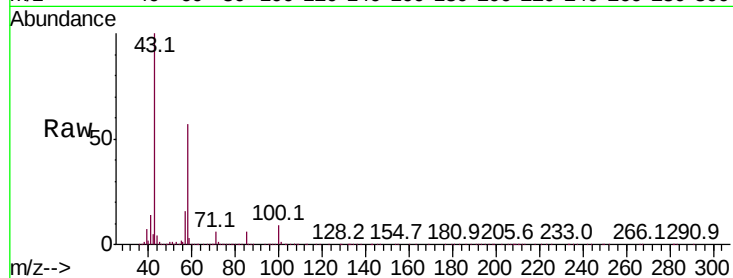
#59
2-Hexanone
Concen: 316.513 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1142096
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.4

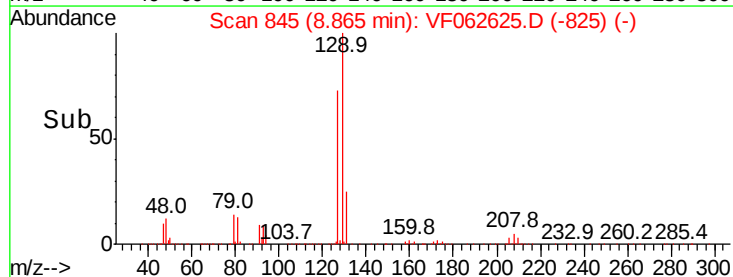
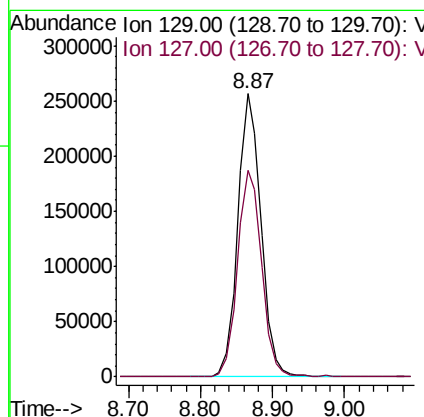
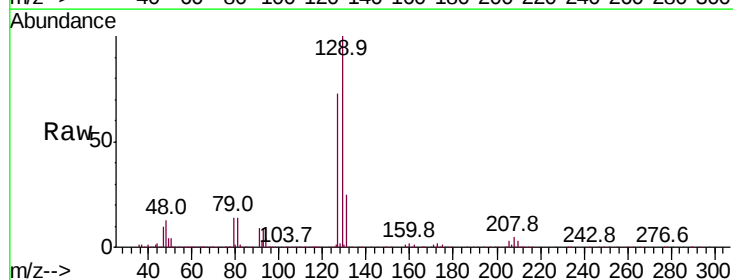
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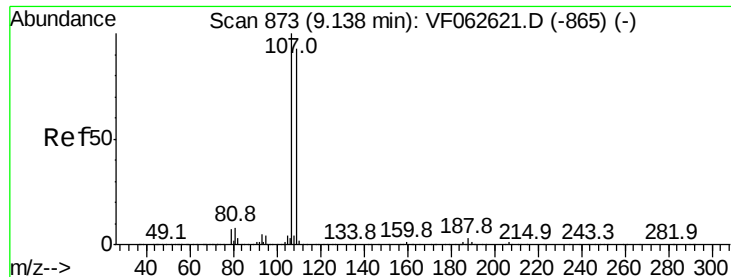
MMDadoda
5/17/2019 4:20:22 PM



#60
Dibromochloromethane
Concen: 76.468 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion: 129 Resp: 575461
Ion Ratio Lower Upper
129 100
127 72.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 76.874 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 471470

Ion Ratio Lower Upper

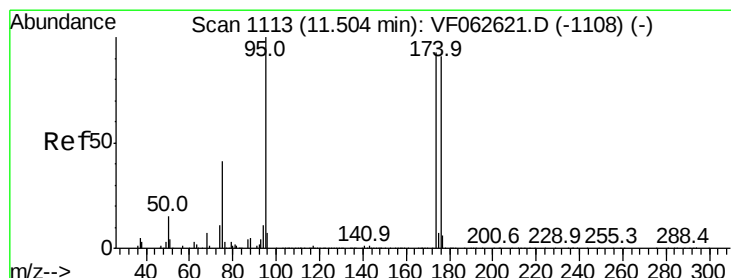
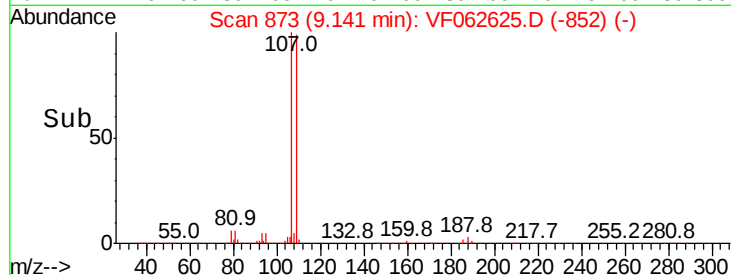
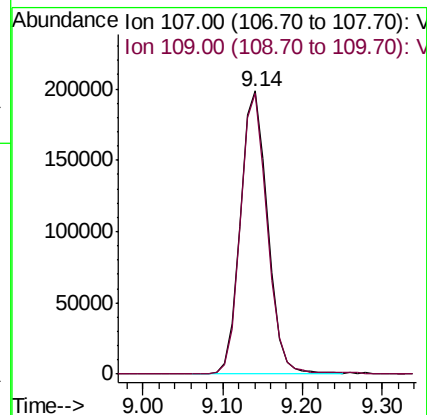
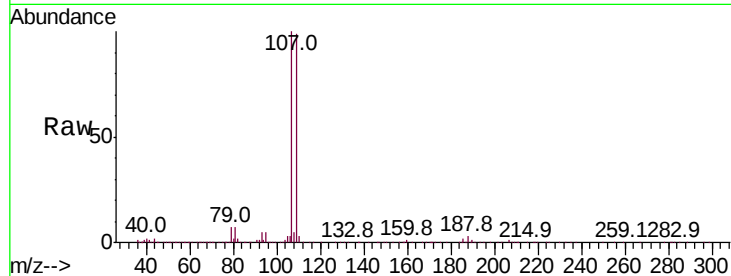
107 100

109 99.4 74.8 112.2

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5/17/2019 4:20:22 PM



#62

4-Bromofluorobenzene

Concen: 67.109 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

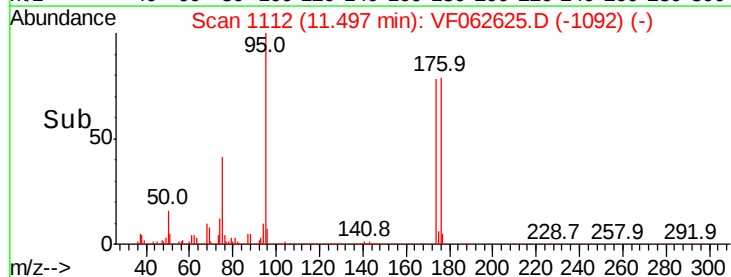
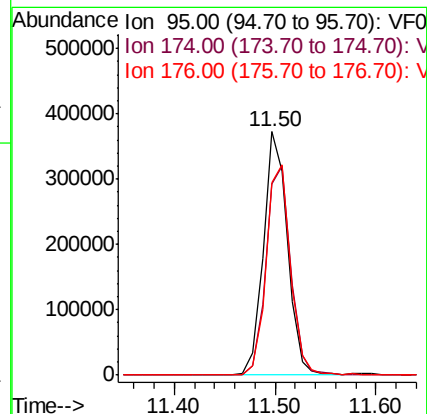
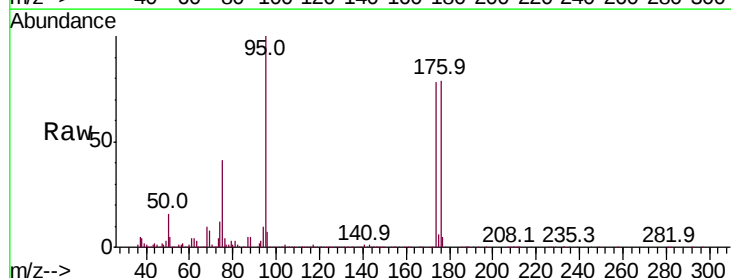
Tgt Ion: 95 Resp: 619429

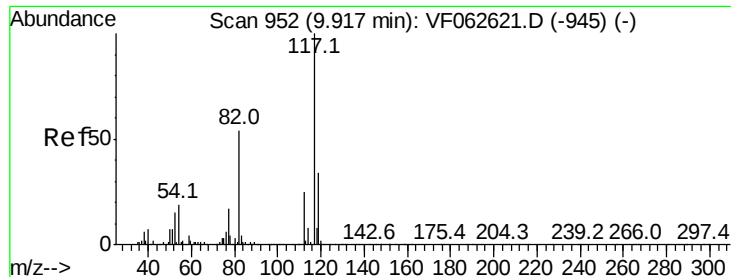
Ion Ratio Lower Upper

95 100

174 78.3 0.0 185.6

176 79.2 0.0 182.4





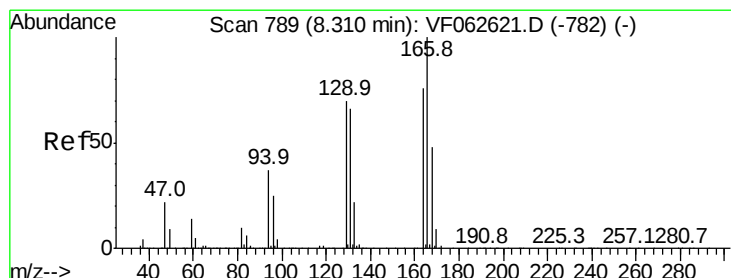
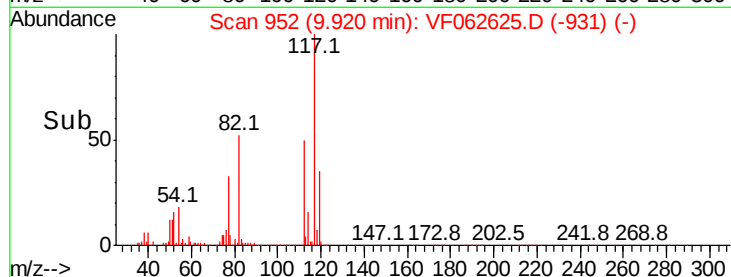
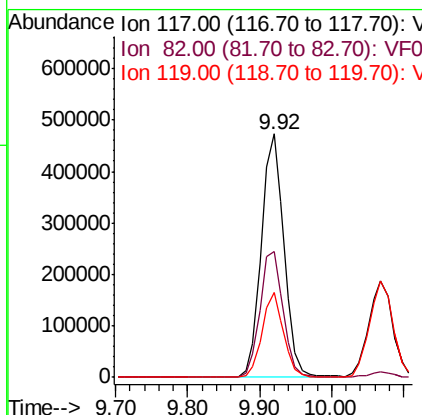
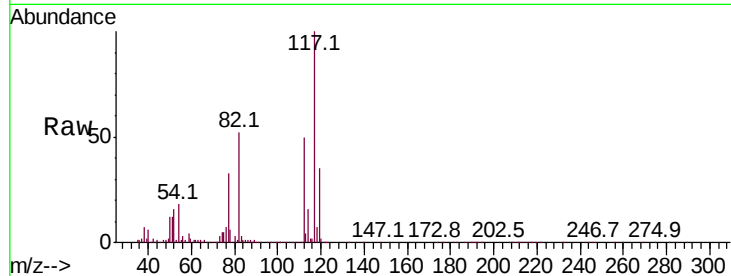
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 1039772
Ion Ratio Lower Upper
117 100
82 51.6 43.3 64.9
119 34.7 27.4 41.0

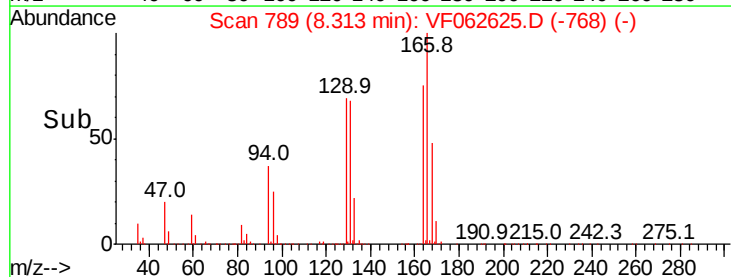
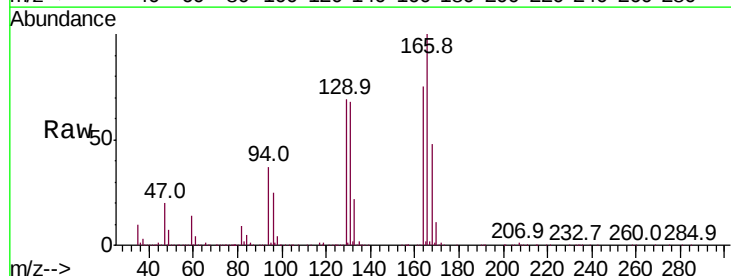
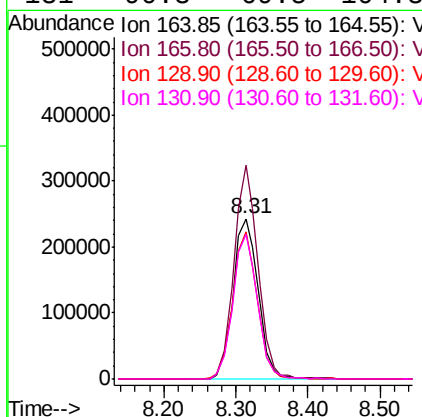
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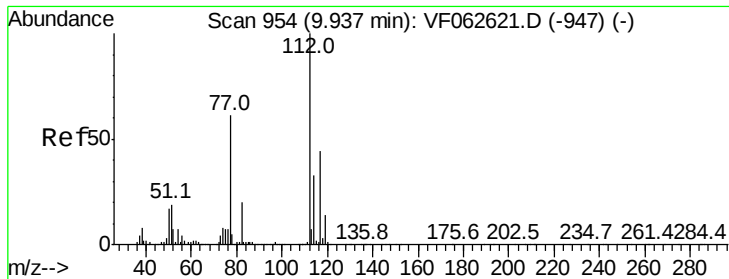
MMDadoda
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#64
Tetrachloroethene
Concen: 71.849 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion:164 Resp: 591844
Ion Ratio Lower Upper
164 100
166 133.3 105.5 158.3
129 92.1 73.8 110.6
131 90.3 69.5 104.3





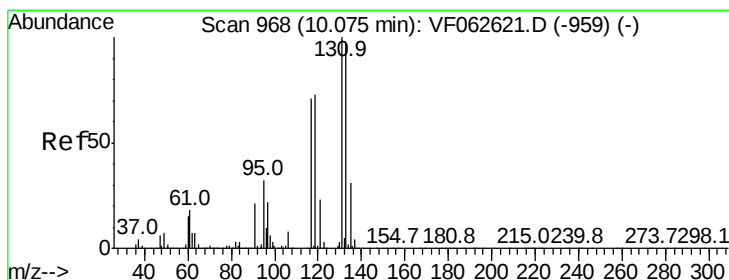
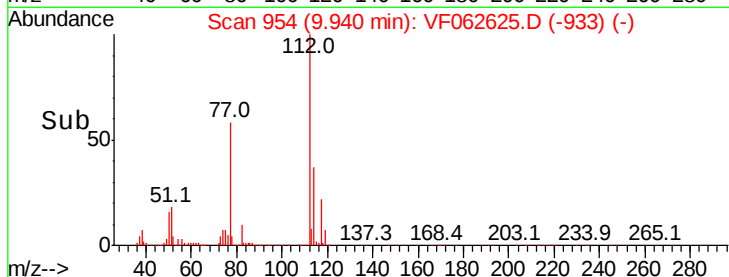
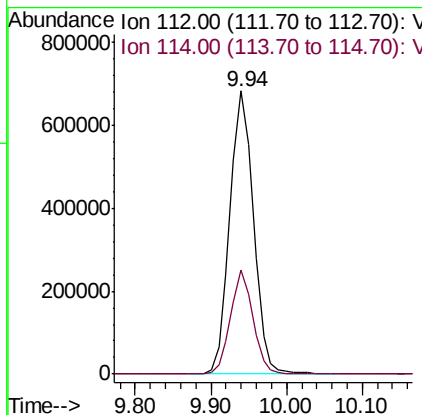
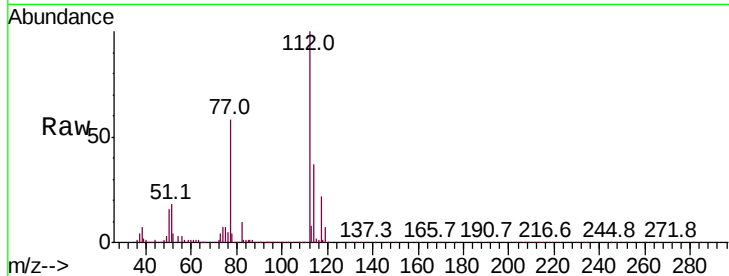
#65
Chlorobenzene
Concen: 72.417 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1478916
Ion Ratio Lower Upper
112 100
114 36.9 26.8 40.2

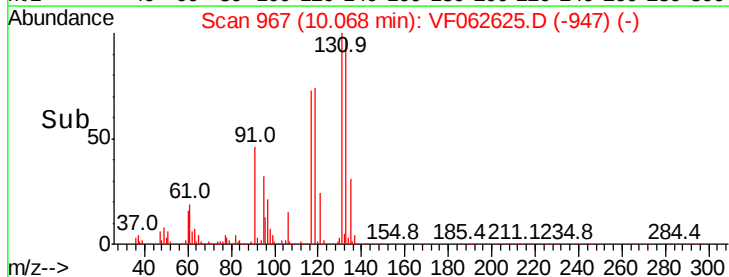
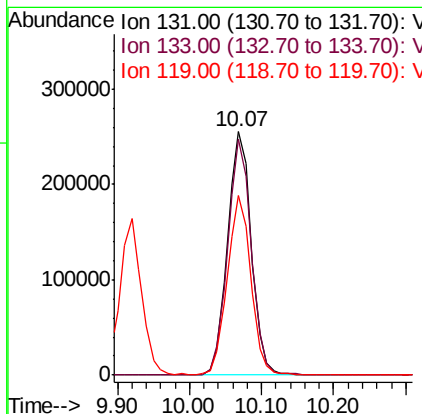
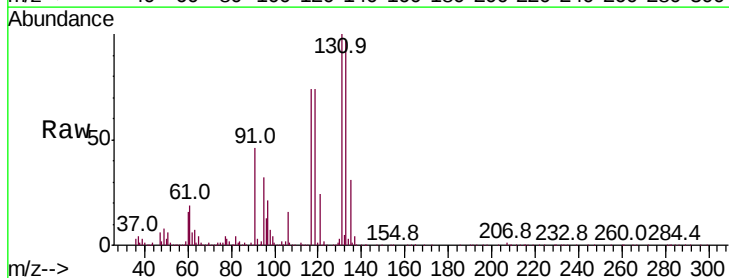
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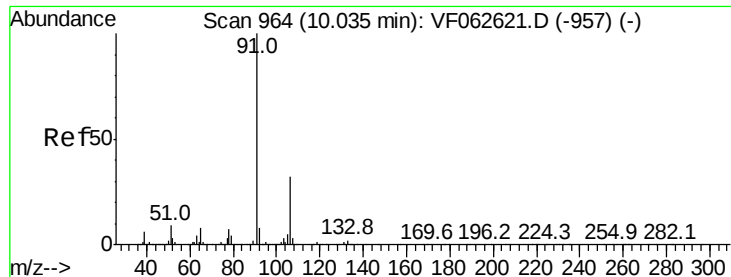
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 71.420 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion:131 Resp: 585528
Ion Ratio Lower Upper
131 100
133 97.1 48.5 145.5
119 73.7 36.8 110.4





#67

Ethyl Benzene

Concen: 70.676 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 2507413

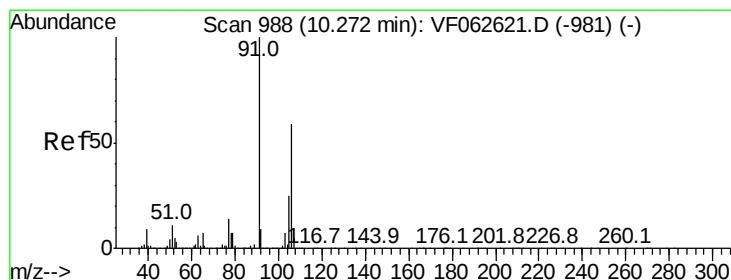
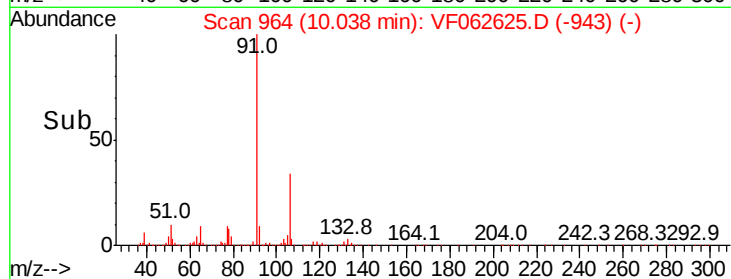
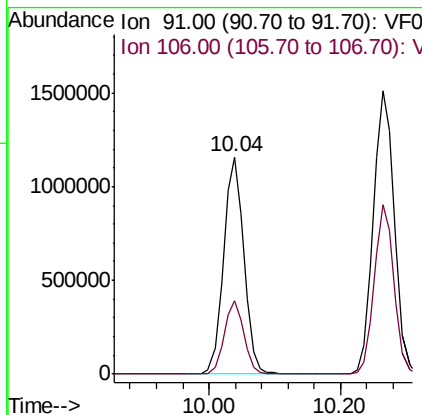
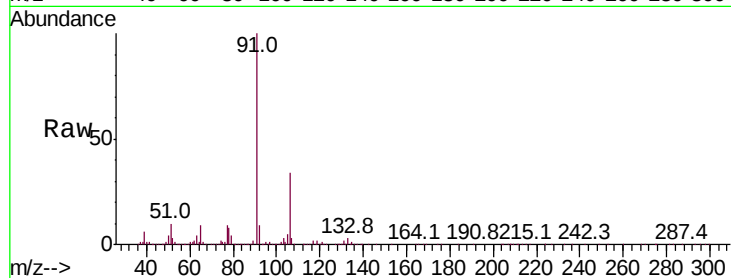
Ion Ratio Lower Upper

91 100

106 33.9 25.8 38.8

Manual Integrations
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5/17/2019 4:20:22 PM



#68

m/p-Xylenes

Concen: 141.981 ug/l

RT: 10.27 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062625.D

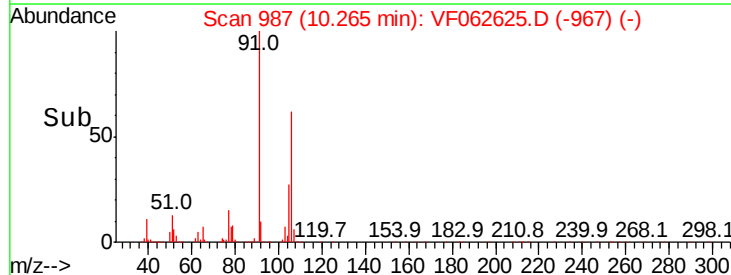
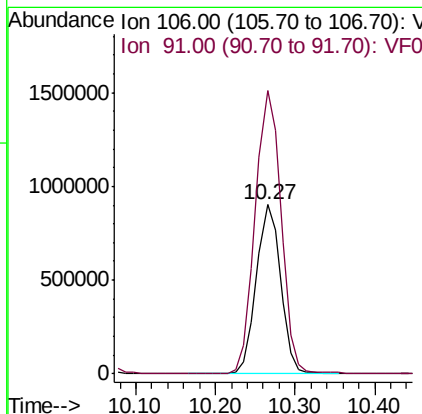
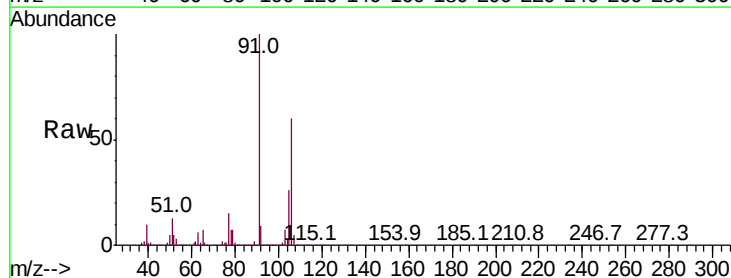
Acq: 16 May 2019 14:09

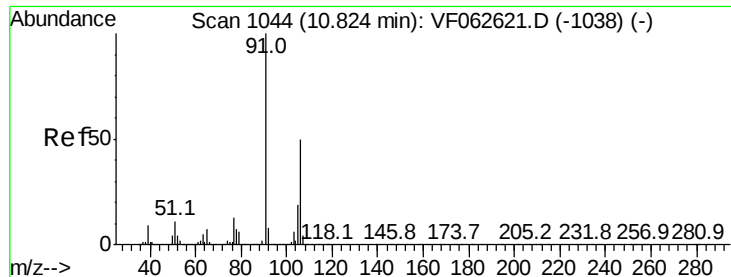
Tgt Ion: 106 Resp: 1893191

Ion Ratio Lower Upper

106 100

91 167.4 136.9 205.3





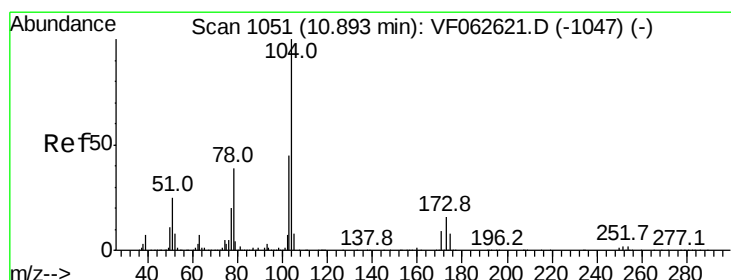
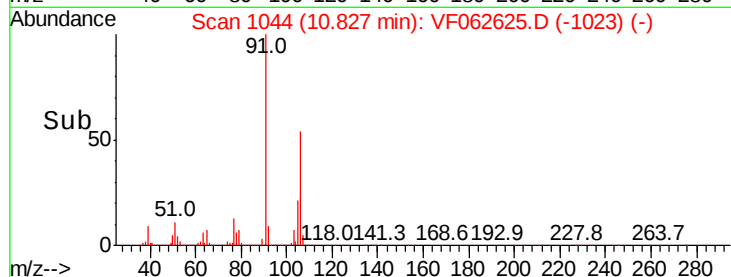
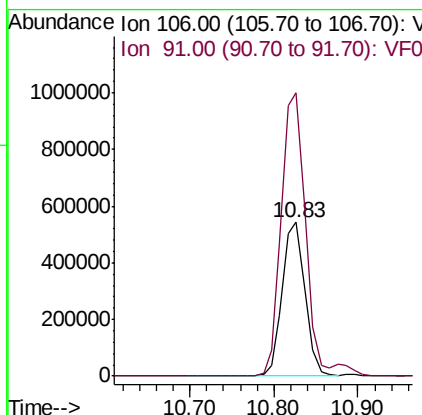
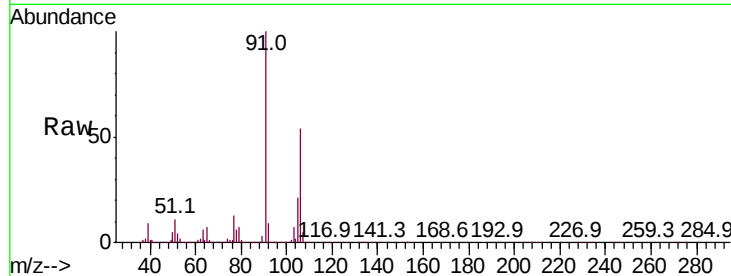
#69
o-Xylene
Concen: 74.336 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 1020946
Ion Ratio Lower Upper
106 100
91 183.7 100.2 300.5

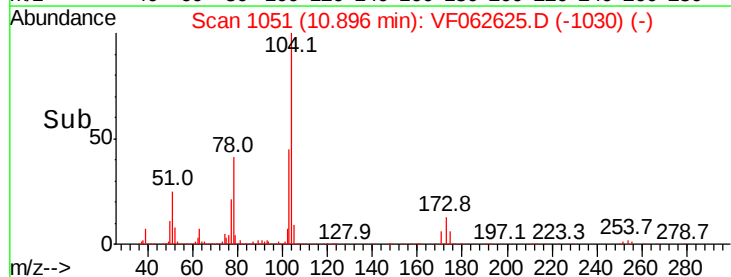
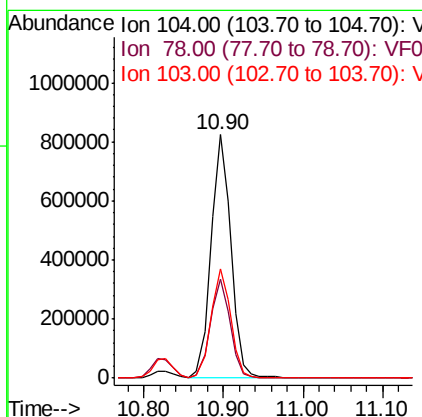
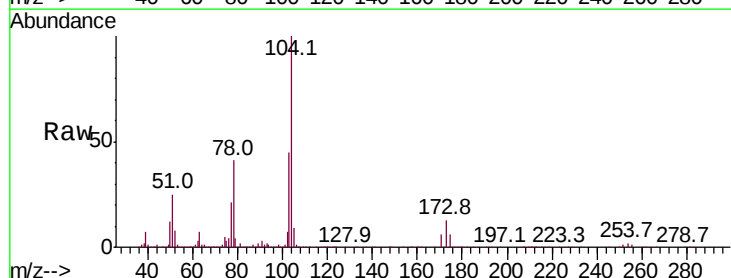
Manual Integrations
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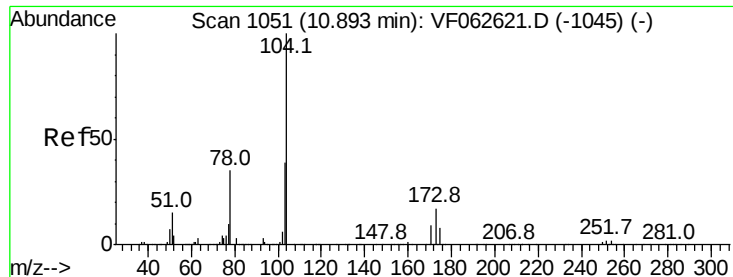
MMDadoda
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#70
Styrene
Concen: 69.395 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion:104 Resp: 1448635
Ion Ratio Lower Upper
104 100
78 40.7 31.9 47.9
103 44.9 36.1 54.1





#71

Bromoform

Concen: 75.525 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

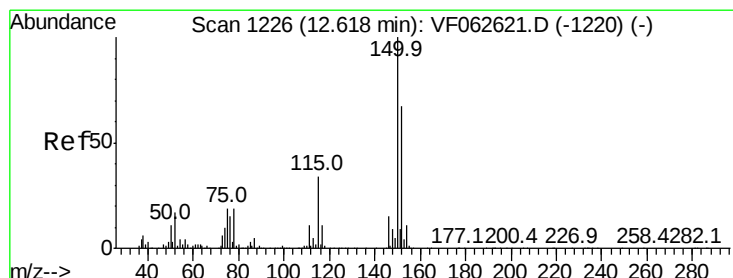
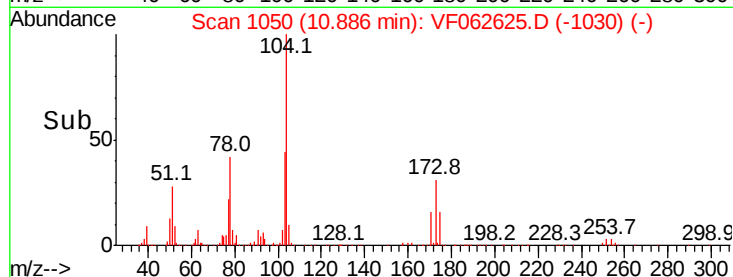
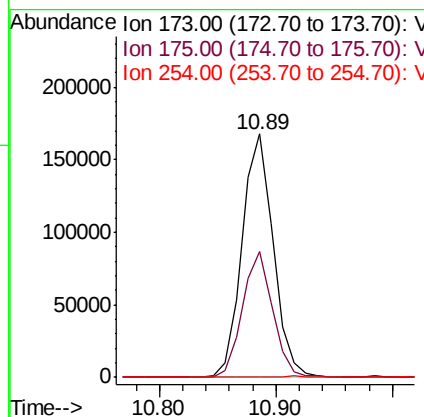
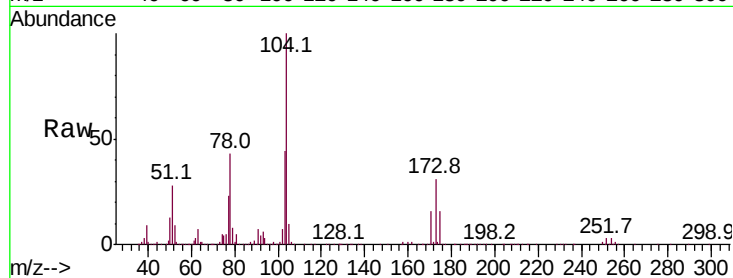
ClientSampleId :

VSTDIC075

Tot Ion:	173	Resp:	310110
Ion Ratio	Lower	Upper	
173	100		
175	50.7	25.3	75.9
254	0.1	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

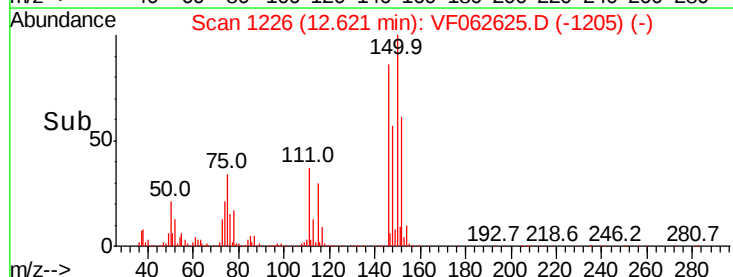
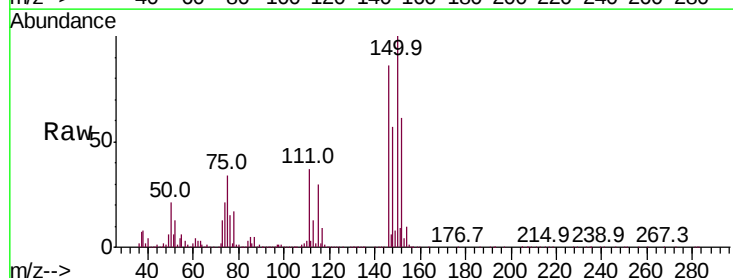
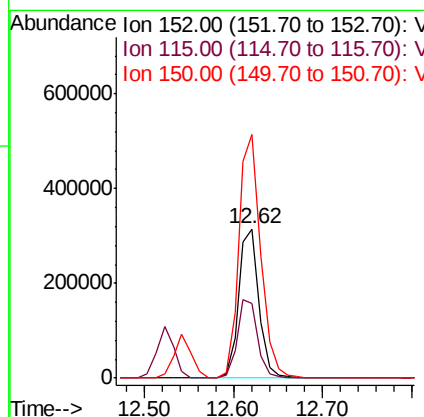
RT: 12.62 min Scan# 1226

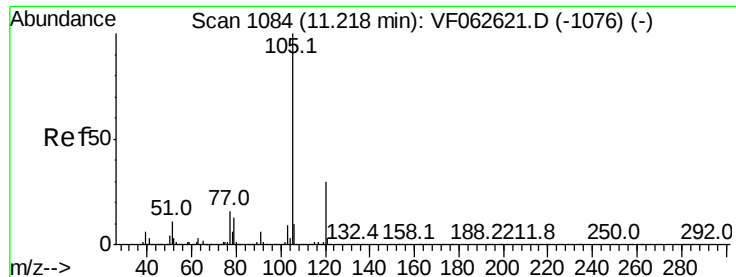
Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	152	Resp:	501785
Ion Ratio	Lower	Upper	
152	100		
115	49.6	25.2	75.6
150	163.0	0.0	306.2





#73

Isopropylbenzene

Concen: 72.008 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2589673

Ion Ratio Lower Upper

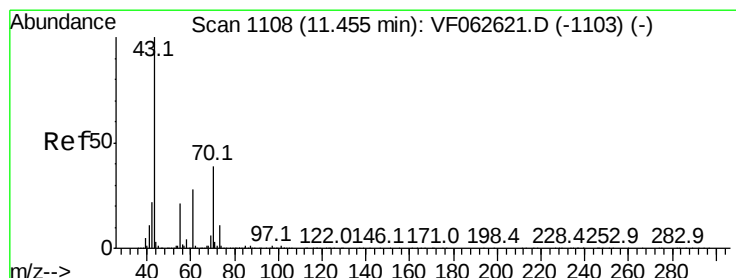
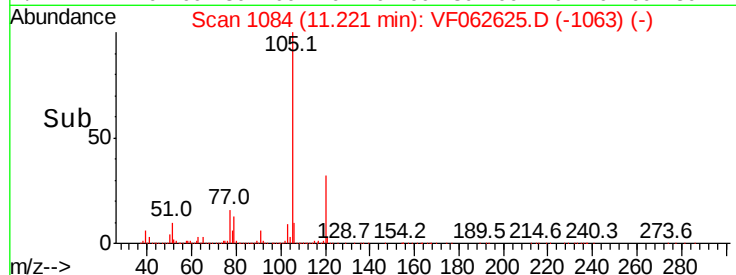
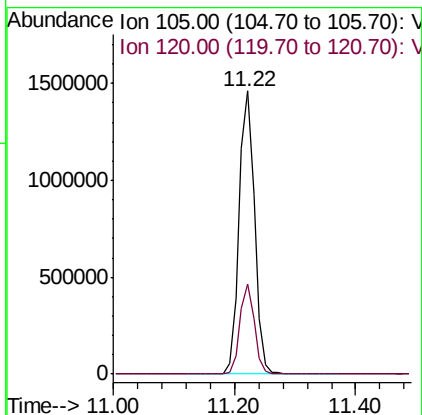
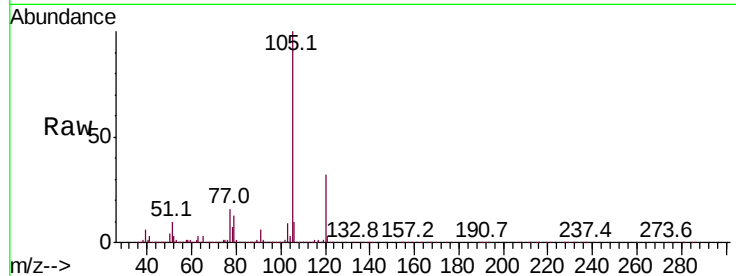
105 100

120 31.9 14.8 44.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 56.990 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion: 43 Resp: 632304

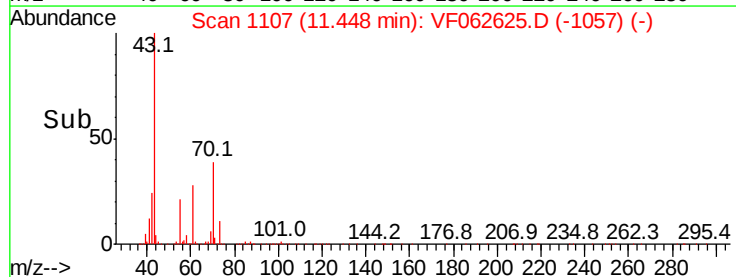
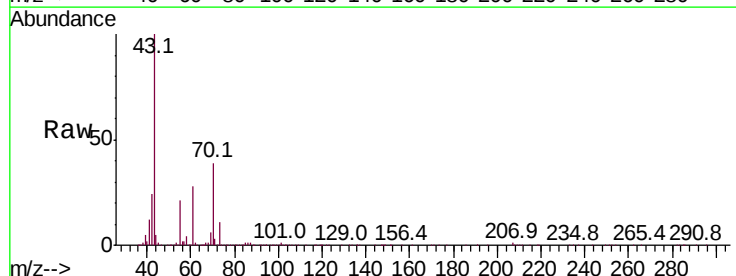
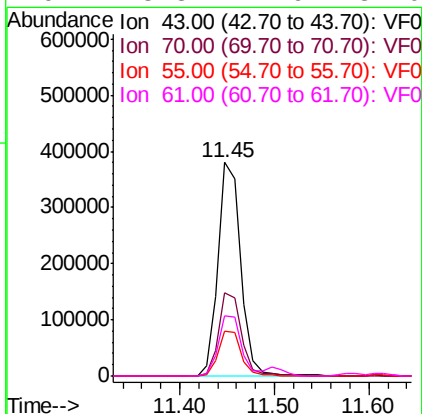
Ion Ratio Lower Upper

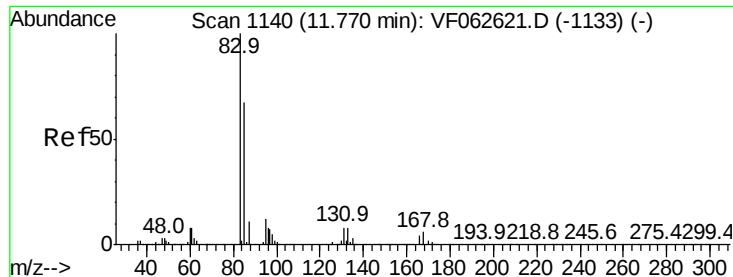
43 100

70 38.9 30.9 46.3

55 20.9 17.0 25.4

61 28.3 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 69.086 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

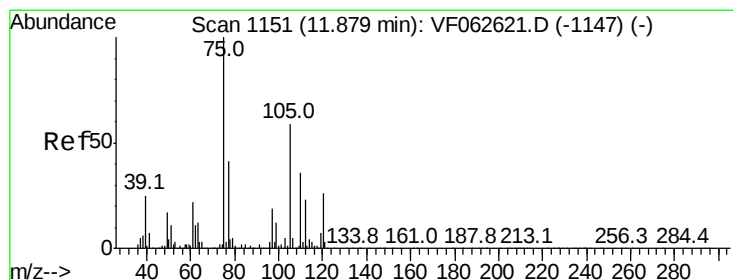
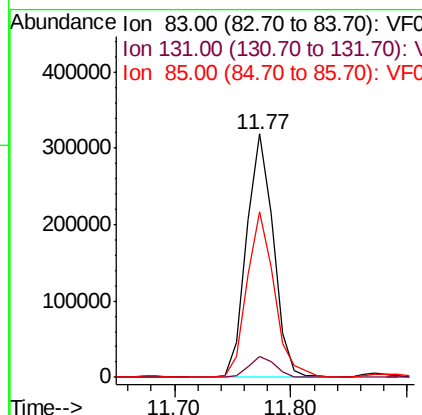
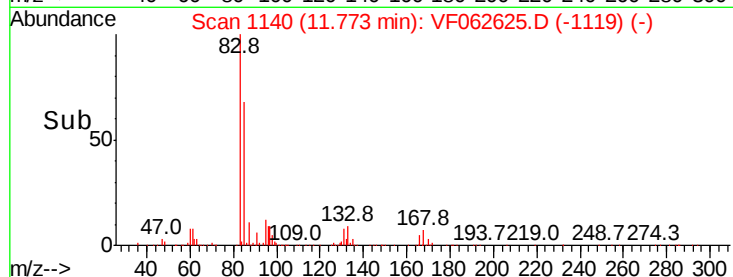
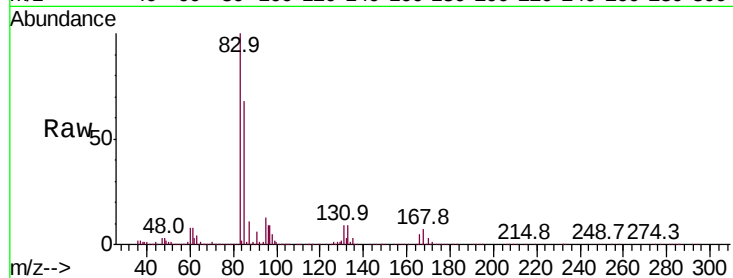
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	507757
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.0	12.0
85	68.2	33.5	100.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 65.569 ug/l

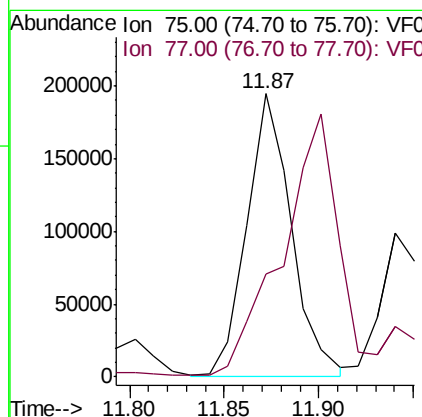
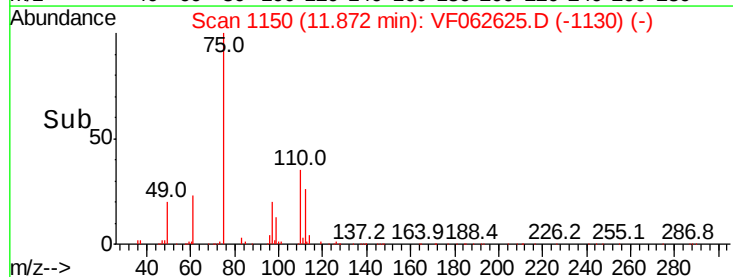
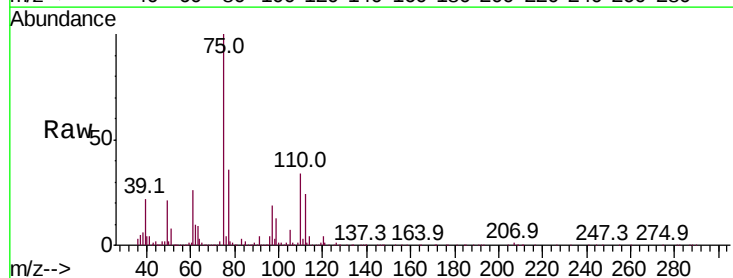
RT: 11.87 min Scan# 1150

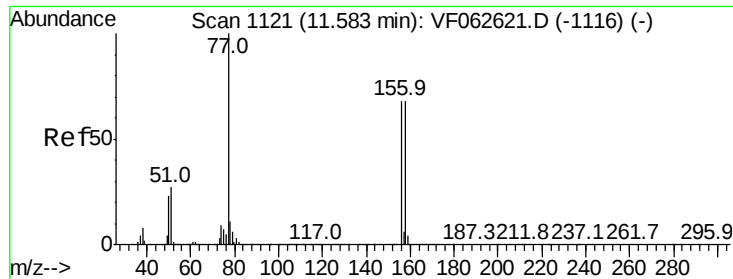
Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	75	Resp:	316644
Ion Ratio	Lower	Upper	
75	100		
77	36.3	20.6	61.8





#77

Bromobenzene

Concen: 71.054 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

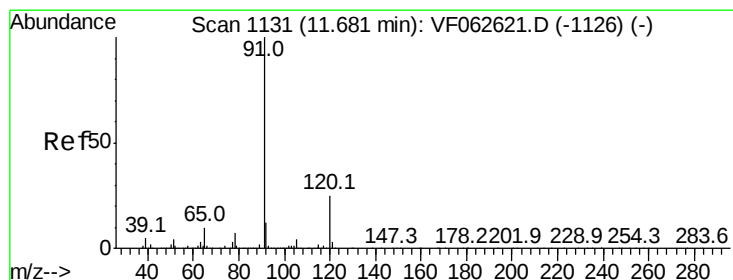
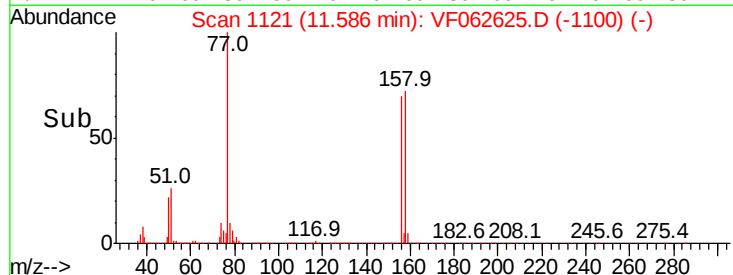
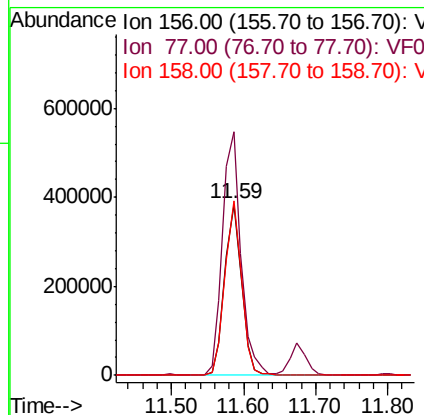
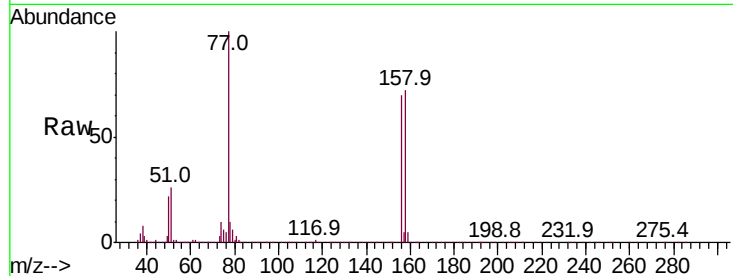
ClientSampleId :

VSTDIC075

Tot Ion:	156	Resp:	635184
Ion Ratio	Lower	Upper	
156	100		
77	142.3	73.6	220.8
158	101.8	49.6	148.8

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#78

n-propylbenzene

Concen: 66.285 ug/l

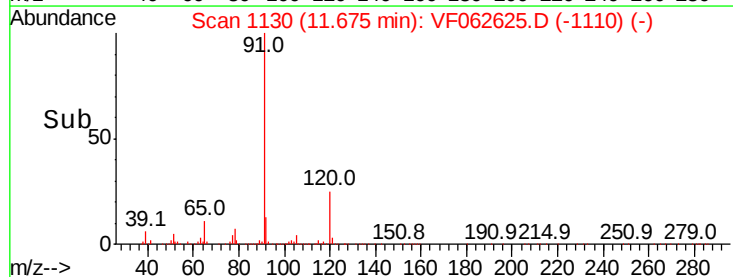
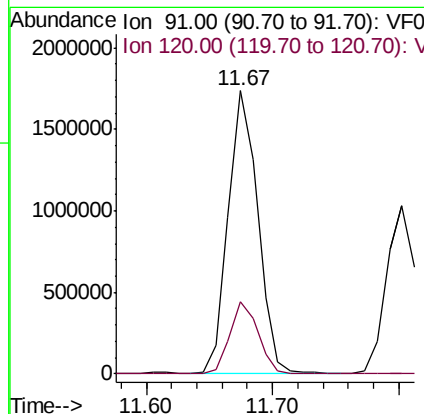
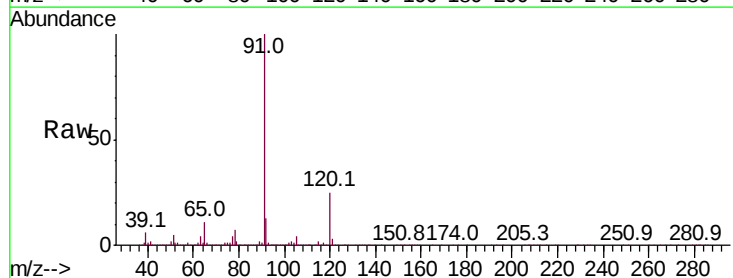
RT: 11.67 min Scan# 1130

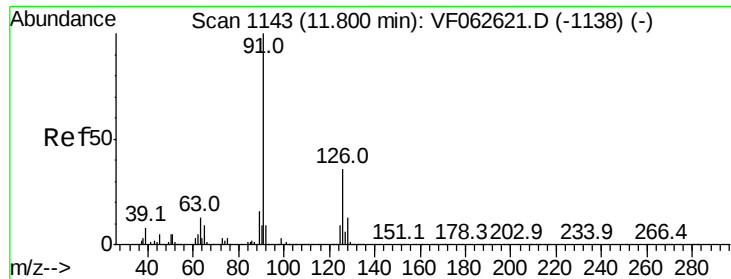
Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	91	Resp:	2821231
Ion Ratio	Lower	Upper	
91	100		
120	25.5	12.7	38.1





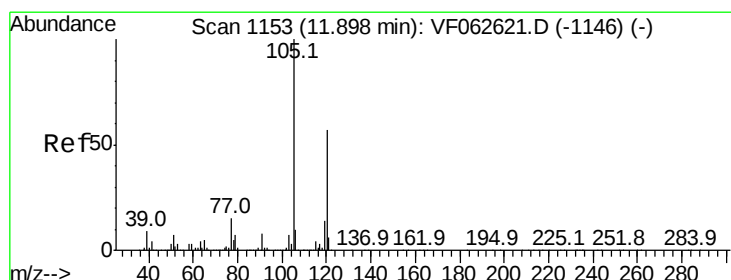
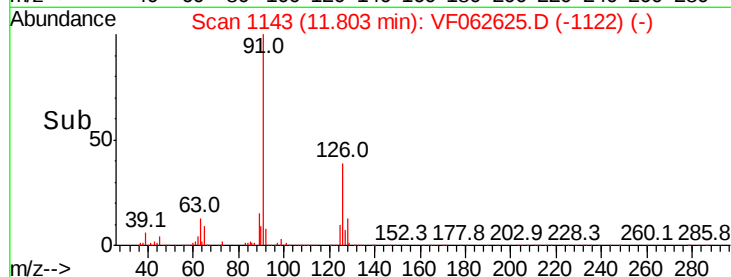
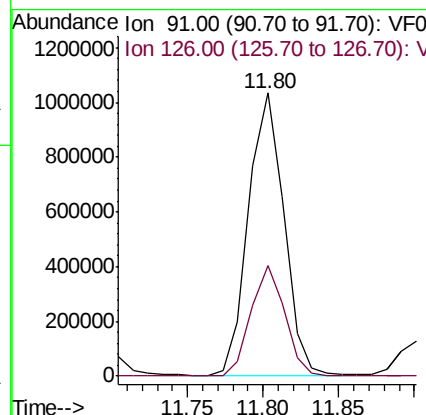
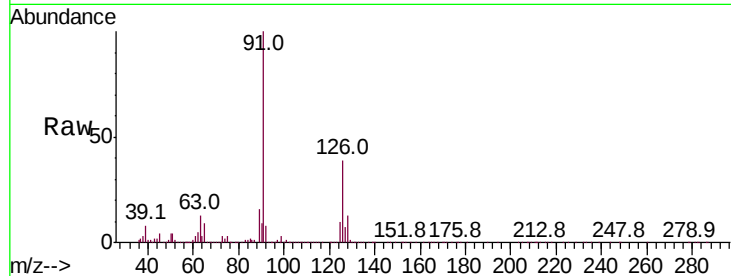
#79
 2-Chlorotoluene
 Concen: 69.933 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion: 91 Resp: 1677434
 Ion Ratio Lower Upper
 91 100
 126 38.9 18.1 54.4

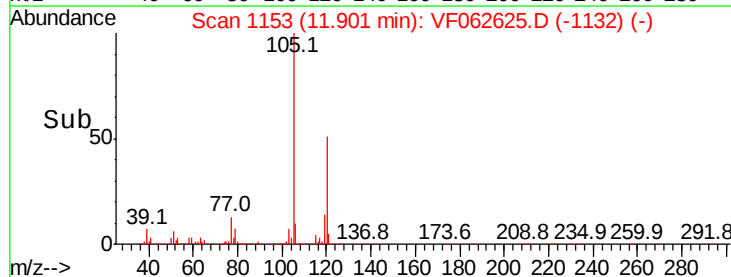
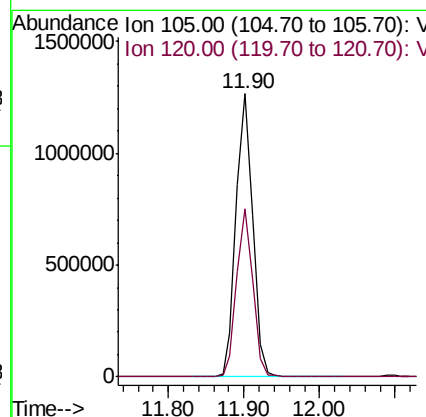
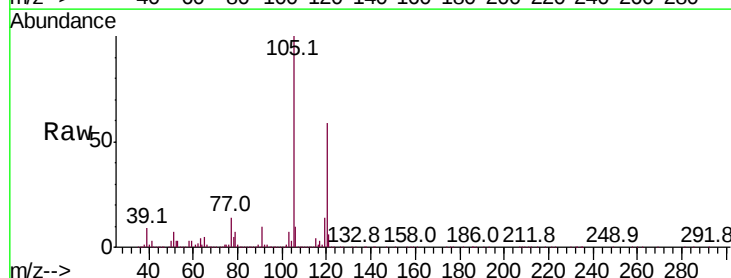
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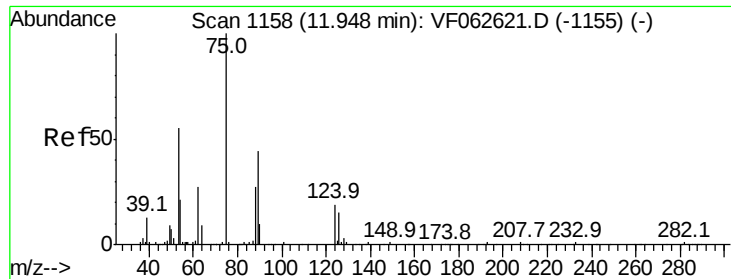
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#80
 1,3,5-Trimethylbenzene
 Concen: 66.617 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion: 105 Resp: 1921043
 Ion Ratio Lower Upper
 105 100
 120 59.2 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 56.956 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062625.D

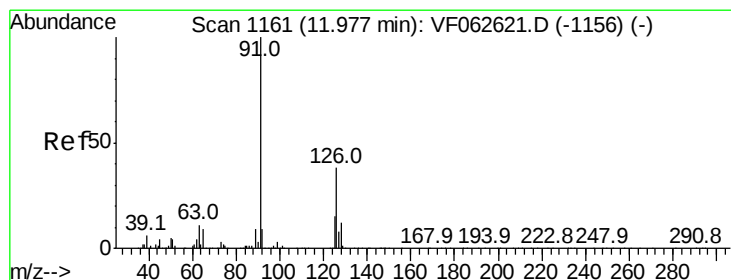
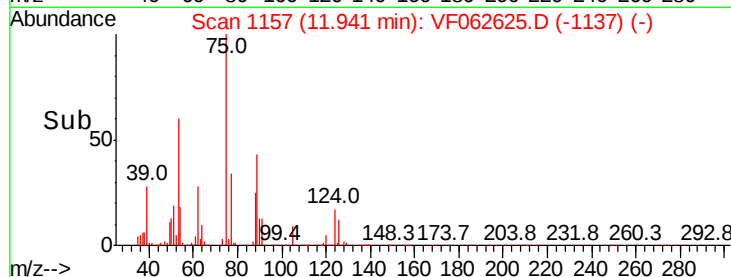
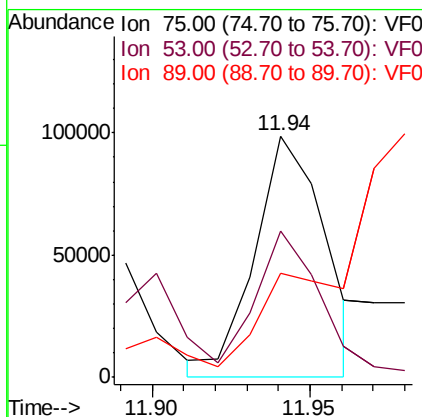
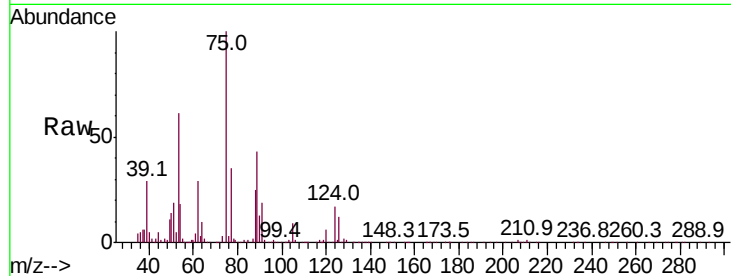
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	60.6	46.9	70.3
89	42.9	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 69.872 ug/l

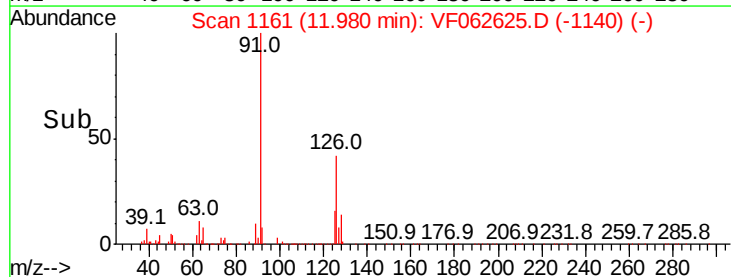
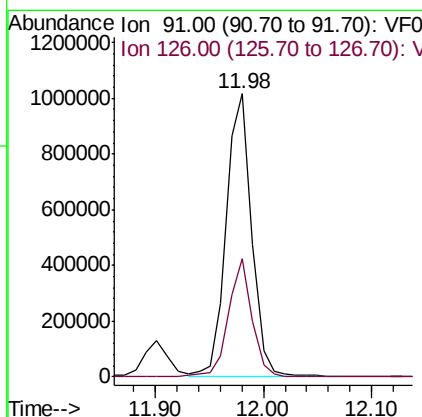
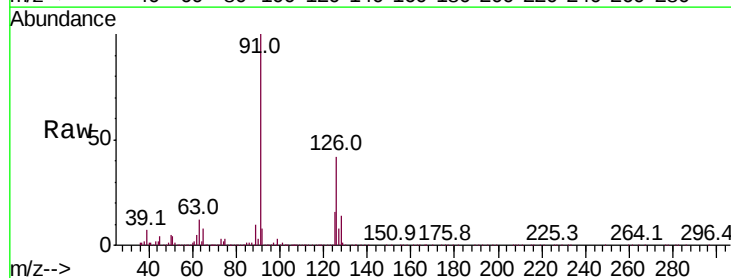
RT: 11.98 min Scan# 1161

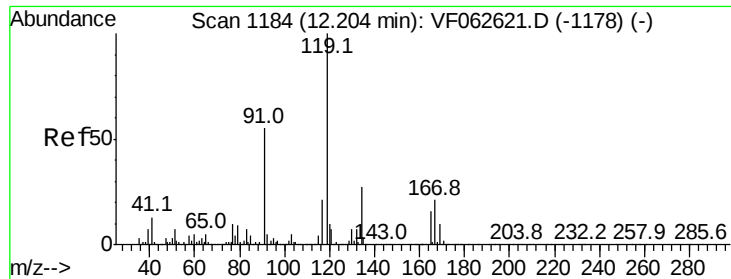
Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	41.7	19.1	57.1





#83

tert-Butylbenzene

Concen: 69.820 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

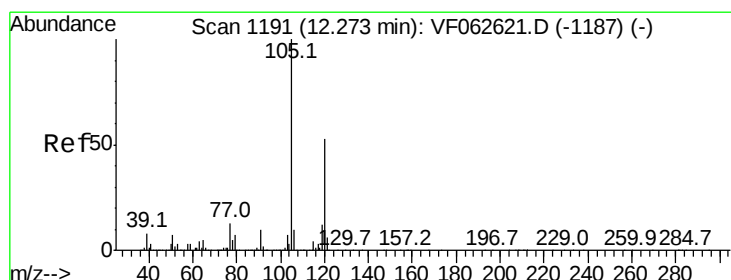
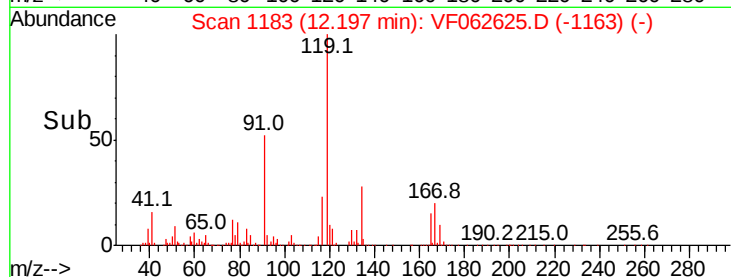
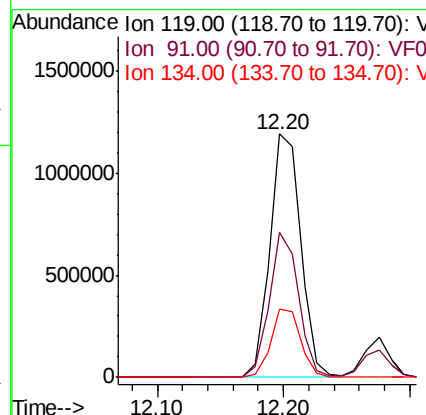
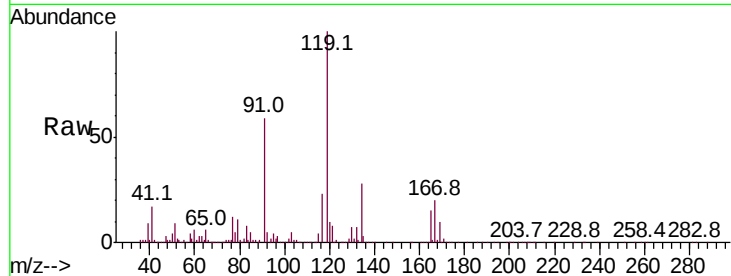
ClientSampleId :

VSTDIC075

Tot Ion:	119	Resp:	2042731
Ion Ratio	Lower	Upper	
119	100		
91	59.5	27.3	81.9
134	28.1	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 70.305 ug/l

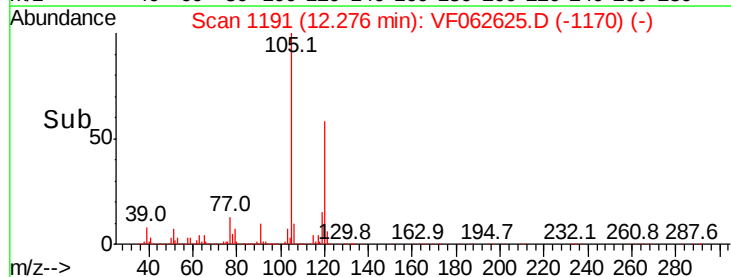
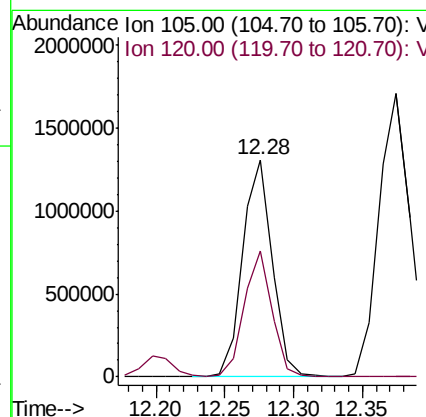
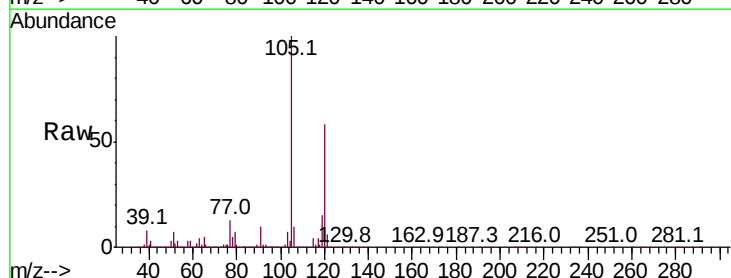
RT: 12.28 min Scan# 1191

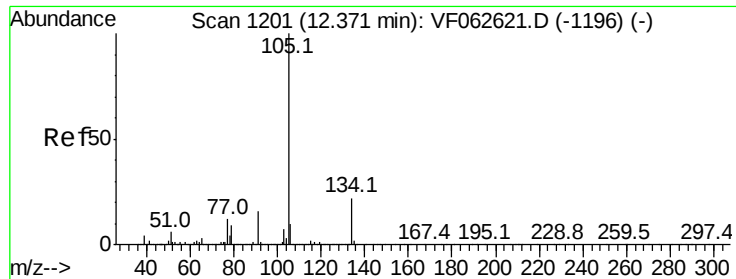
Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Tgt Ion:	105	Resp:	1962264
Ion Ratio	Lower	Upper	
105	100		
120	58.0	26.7	80.1





#85

sec-Butylbenzene

Concen: 68.343 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2683371

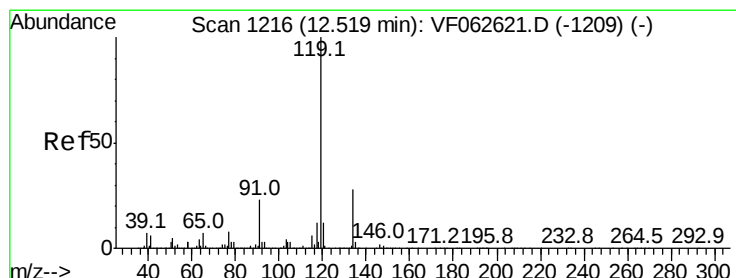
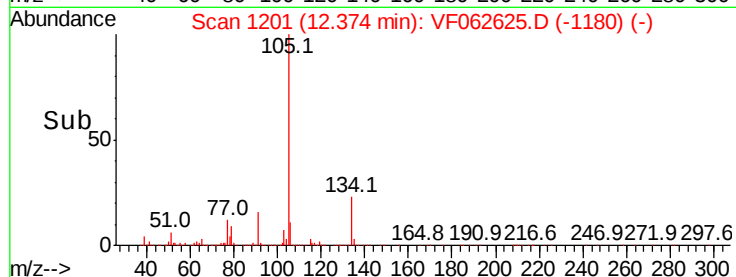
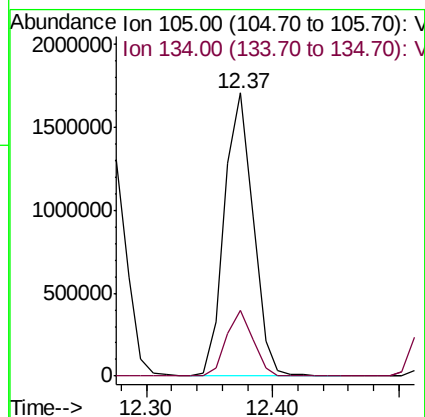
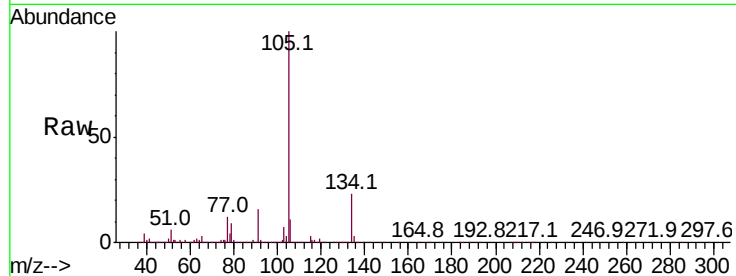
Ion Ratio Lower Upper

105 100

134 23.4 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 69.553 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062625.D

Acq: 16 May 2019 14:09

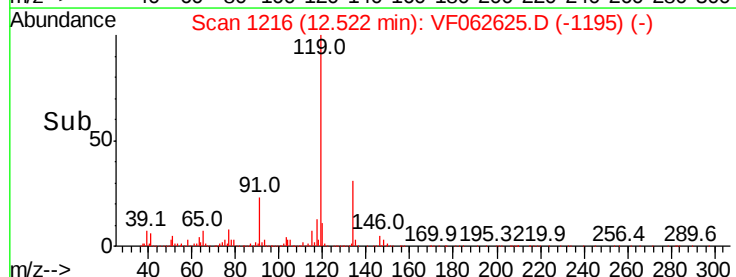
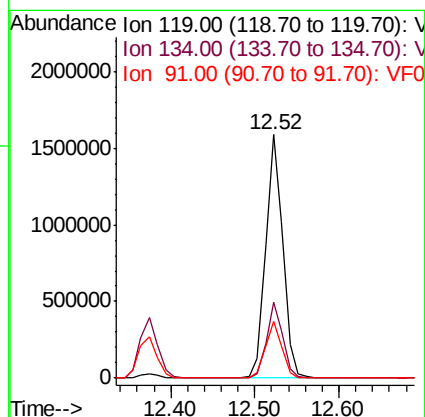
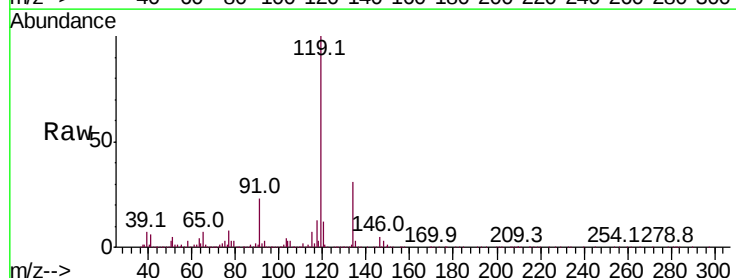
Tgt Ion:119 Resp: 2301464

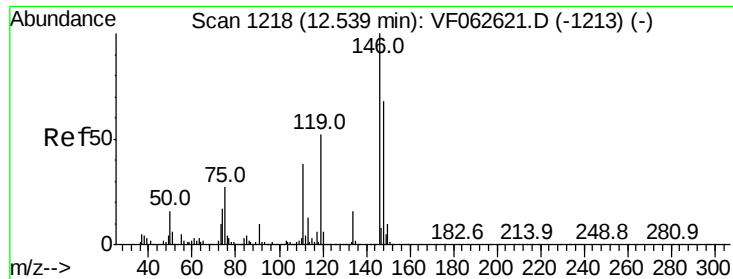
Ion Ratio Lower Upper

119 100

134 31.3 14.1 42.3

91 23.2 11.4 34.2





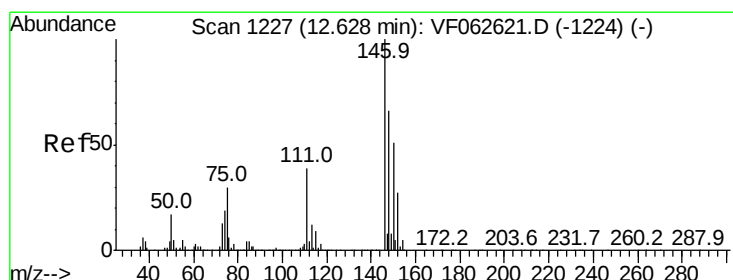
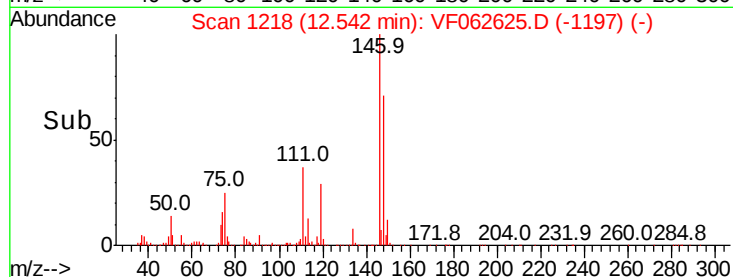
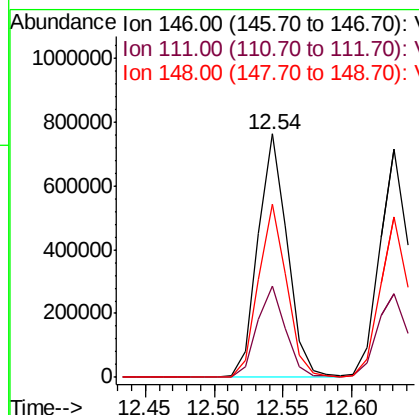
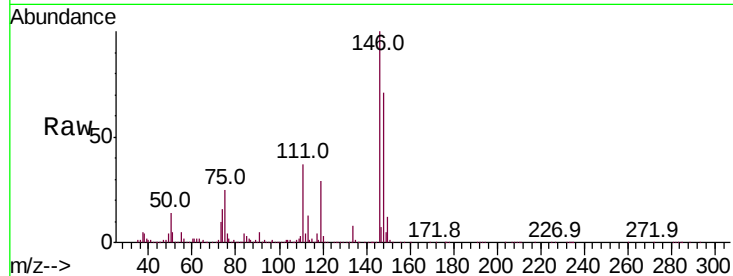
#87
 1,3-Dichlorobenzene
 Concen: 70.372 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1138158
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 70.9 34.0 101.8

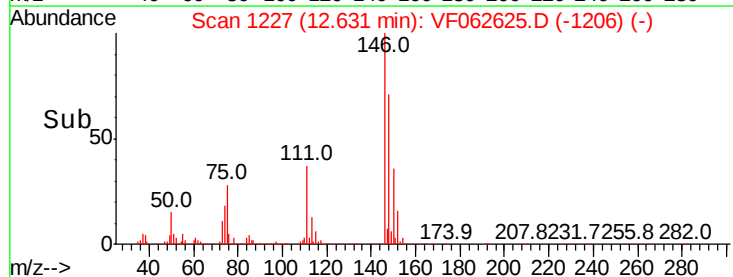
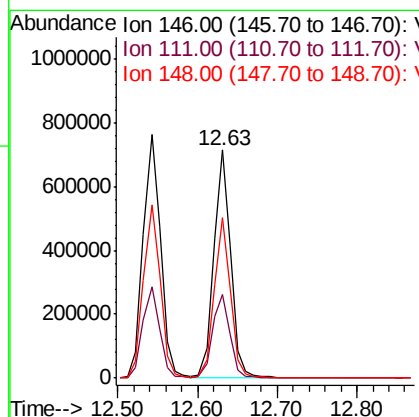
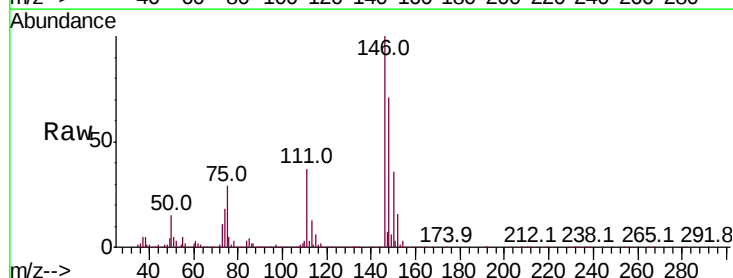
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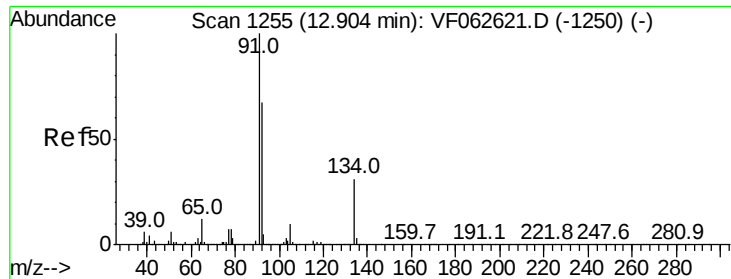
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#88
 1,4-Dichlorobenzene
 Concen: 69.828 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion:146 Resp: 1059812
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.4 58.2
 148 70.7 33.2 99.6





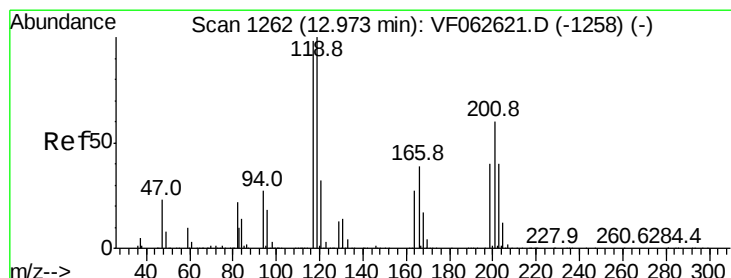
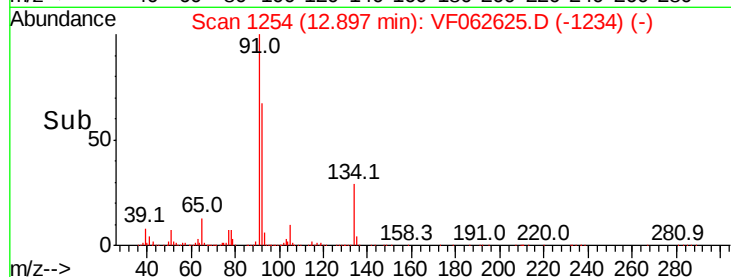
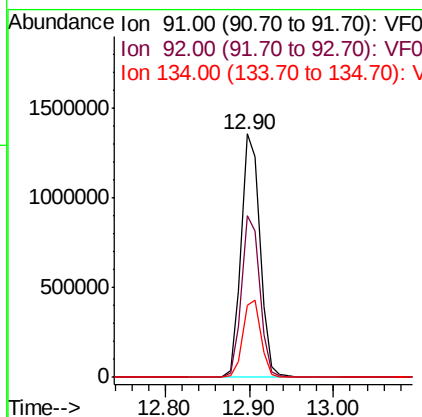
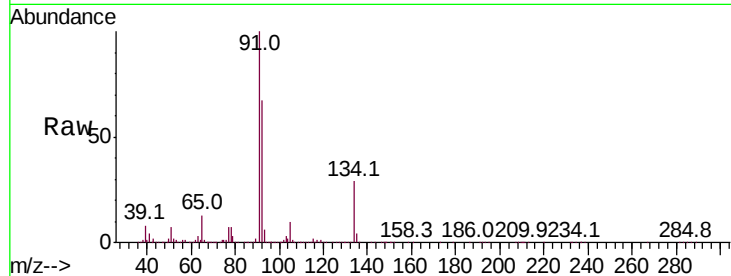
#89
n-Butylbenzene
Concen: 64.931 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.6	33.3	99.8
134	29.4	15.4	46.4

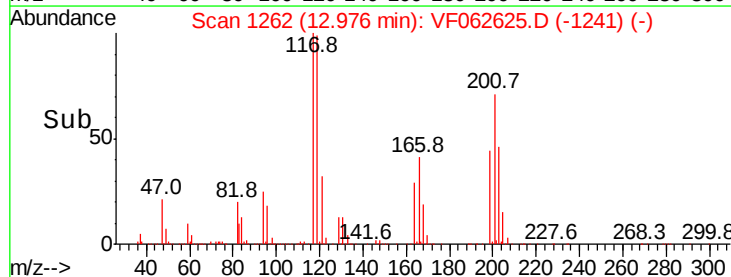
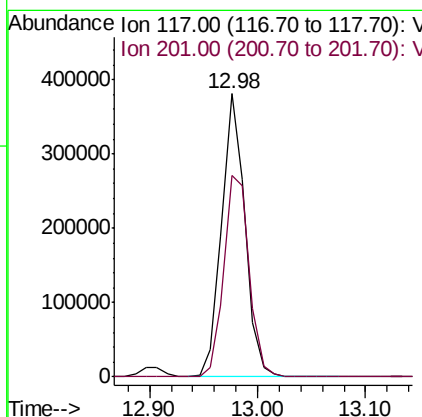
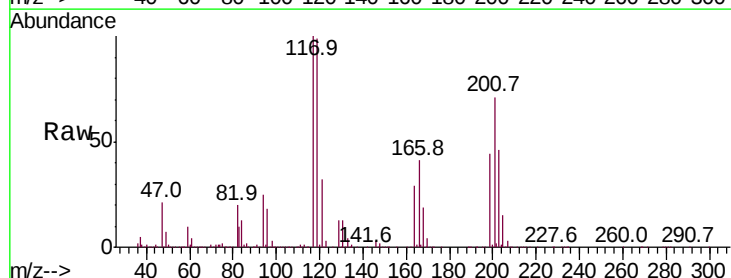
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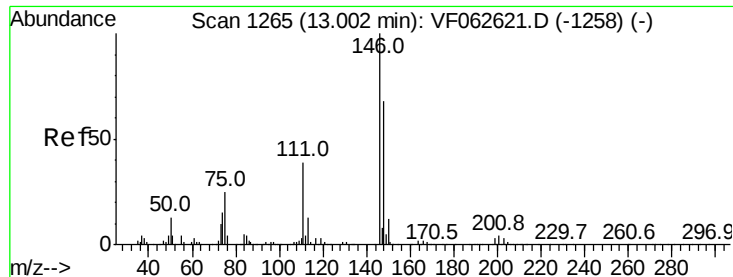
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#90
Hexachloroethane
Concen: 71.723 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.0	30.7	92.1





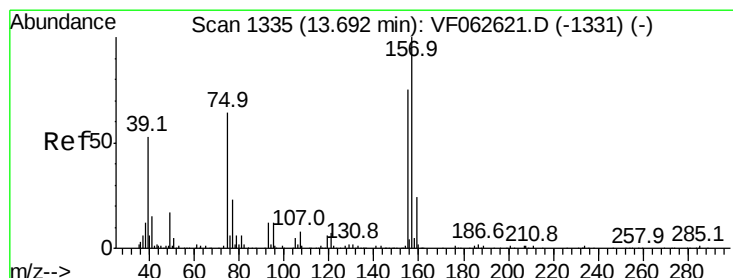
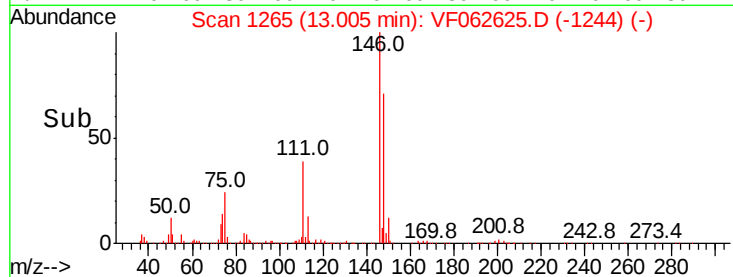
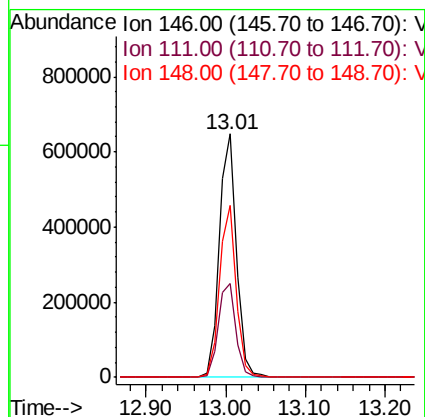
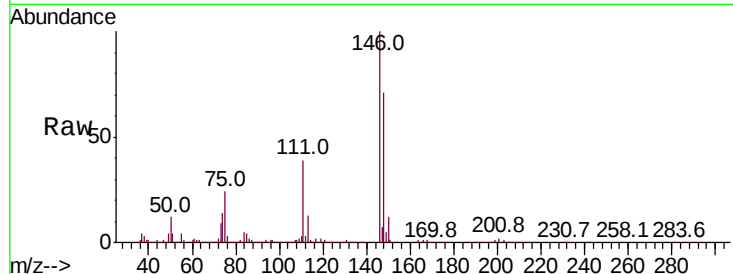
#91
 1,2-Dichlorobenzene
 Concen: 68.446 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.8	59.3
148	70.8	34.1	102.2

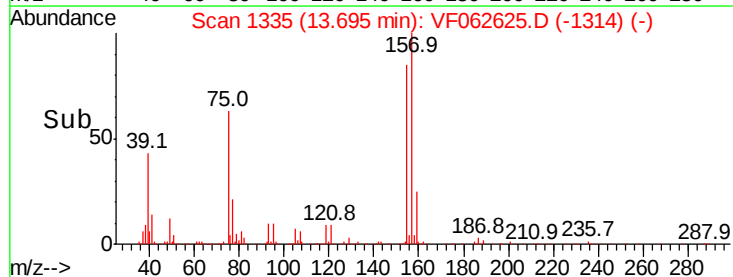
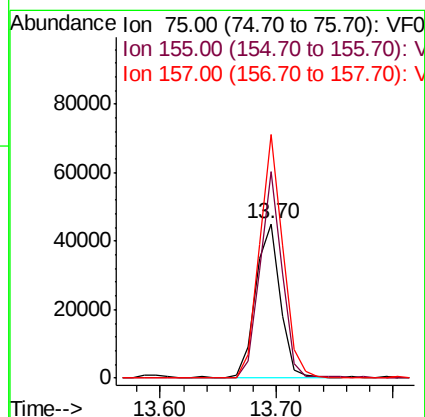
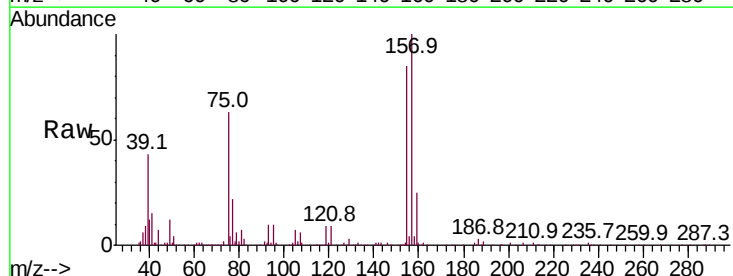
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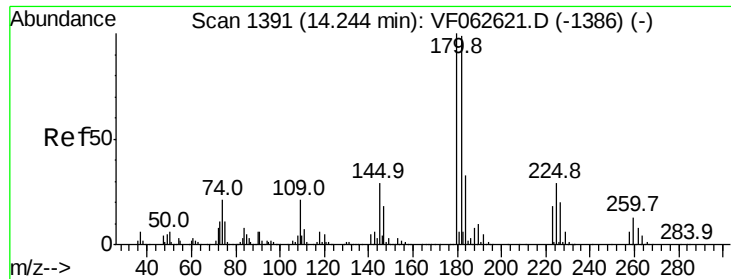
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.130 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	134.1	58.1	174.3
157	157.7	77.8	233.4





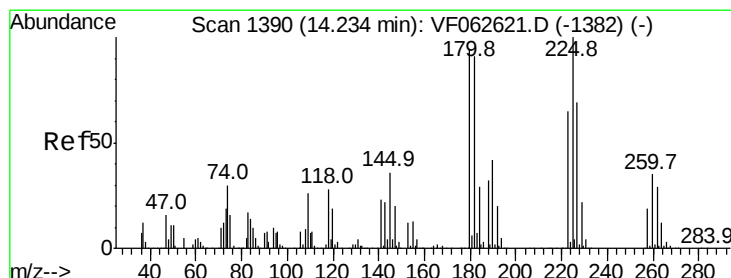
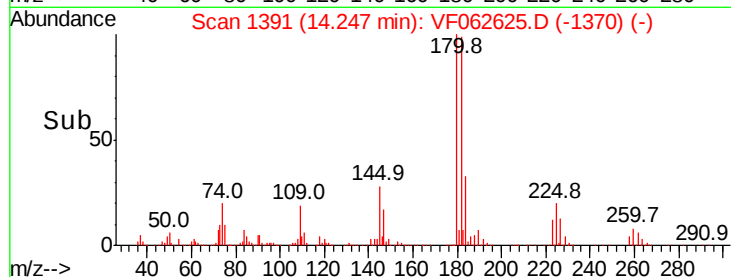
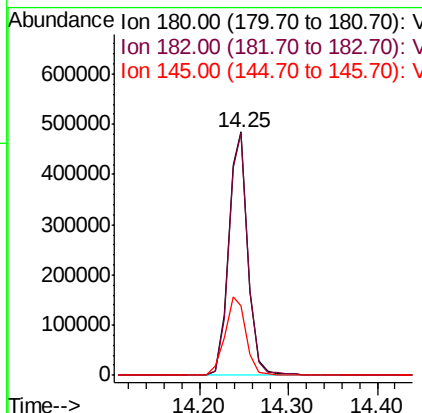
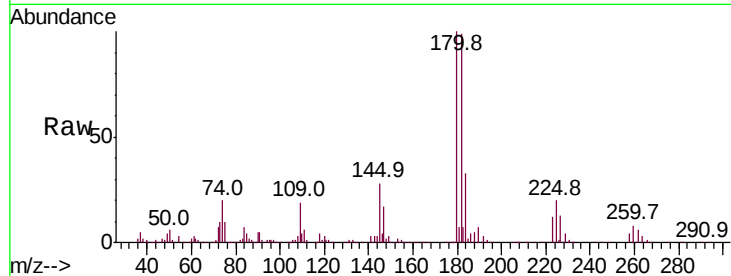
#93
 1,2,4-Trichlorobenzene
 Concen: 71.828 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	741233		
182	99.5	49.7	149.1	
145	28.4	14.6	44.0	

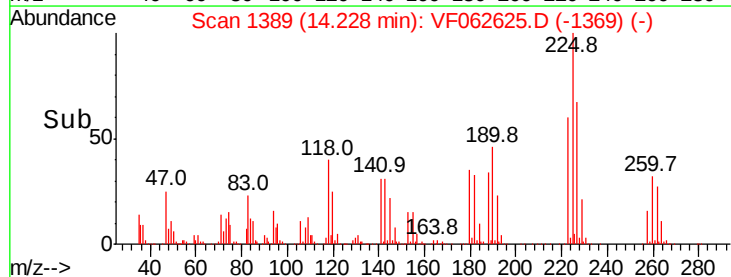
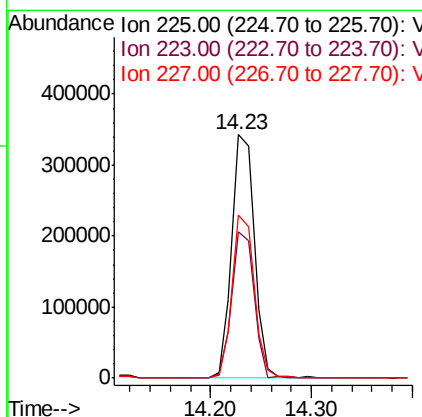
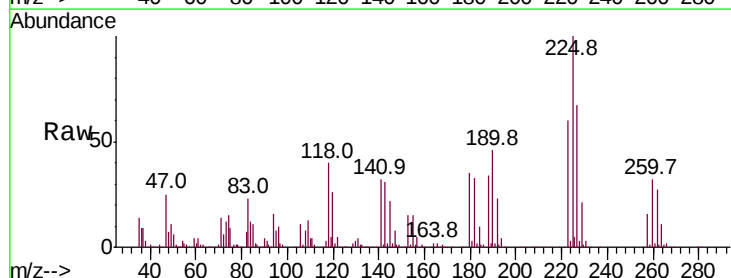
Manual Integrations
 APPROVED

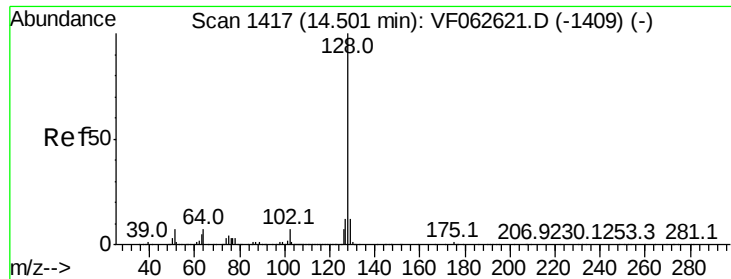
MMDadoda
 5/17/2019 4:20:22 PM



#94
 Hexachlorobutadiene
 Concen: 74.658 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062625.D
 Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	537667		
223	60.1	32.5	97.4	
227	66.9	34.5	103.5	





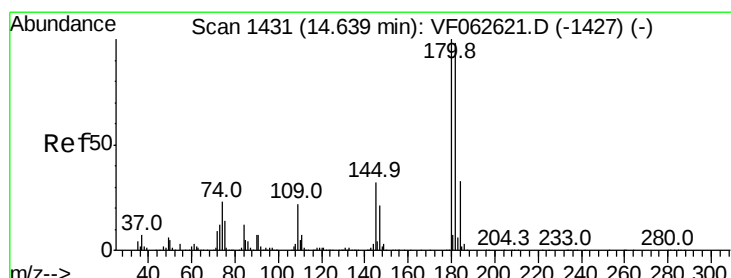
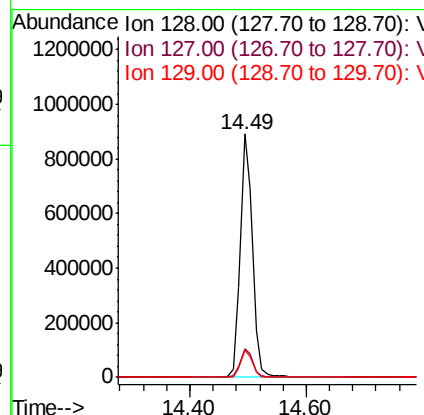
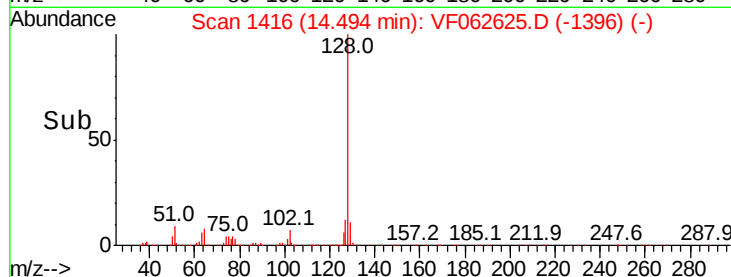
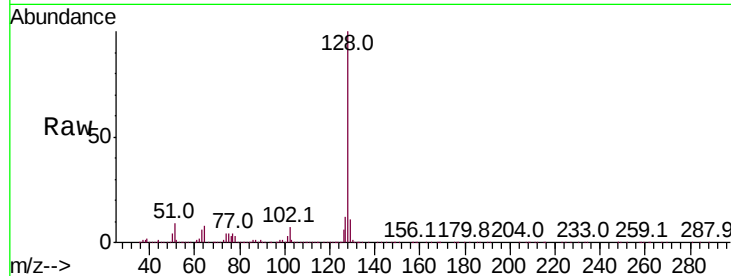
#95
Naphthalene
Concen: 69.207 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.7	14.5
129	11.2	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/17/2019 4:20:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 73.257 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062625.D
Acq: 16 May 2019 14:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	48.9	146.7
145	29.8	16.1	48.2

