

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062821.D
 Acq On : 3 Jun 2019 10:56
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:15:37 PM

Quant Time: Jun 04 09:07:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	860797	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1386449	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	1134751	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	587485	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	299179	50.26	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	4.31	113	569025	54.31	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	7.71	98	1513420	57.12	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.24%	
62) 4-Bromofluorobenzene	11.49	95	532620	55.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	474314	48.576	ug/l	93
3) Chloromethane	1.14	50	415880	46.693	ug/l	96
4) Vinyl Chloride	1.19	62	399631	45.151	ug/l	99
5) Bromomethane	1.40	94	239906	47.528	ug/l	99
6) Chloroethane	1.45	64	138998	42.003	ug/l	95
7) Trichlorofluoromethane	1.56	101	597140	47.657	ug/l	84
8) Diethyl Ether	1.72	74	123445	50.075	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	355786	45.164	ug/l	98
10) Methyl Iodide	1.98	142	751782	47.596	ug/l	98
11) Tert butyl alcohol	2.70	59	86097	238.764	ug/l	97
12) 1,1-Dichloroethene	1.87	96	322555	45.092	ug/l	88
13) Acrolein	2.10	56	36703	254.947	ug/l	91
14) Allyl chloride	2.20	41	287423	51.793	ug/l	96
15) Acrylonitrile	3.10	53	218875	161.536	ug/l #	95
16) Acetone	2.35	43	389185	285.664	ug/l	99
17) Carbon Disulfide	1.92	76	944457	45.174	ug/l	99
18) Methyl Acetate	2.46	43	97666	41.023	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	607140	46.848	ug/l	98
20) Methylene Chloride	2.34	84	325113m	47.505	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	352098	49.092	ug/l	96
22) Diisopropyl ether	2.94	45	745669	47.294	ug/l	93
23) Vinyl Acetate	3.35	43	2637838	244.383	ug/l	97
24) 1,1-Dichloroethane	3.02	63	521774	44.323	ug/l	99
25) 2-Butanone	4.52	43	795295	250.669	ug/l	98
26) 2,2-Dichloropropane	3.78	77	371297	55.549	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	613066	50.851	ug/l	97
28) Bromochloromethane	3.90	49	327809	51.193	ug/l #	70
29) Tetrahydrofuran	4.27	42	287327	236.782	ug/l	95
30) Chloroform	4.05	83	871499	52.528	ug/l	96
31) Cyclohexane	3.88	56	793877	49.812	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	574100	59.432	ug/l	95
36) 1,1-Dichloropropene	4.48	75	712022	55.786	ug/l	97
37) Ethyl Acetate	4.31	43	255028	52.270	ug/l	96
38) Carbon Tetrachloride	4.19	117	488930	56.680	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	901273	56.736	ug/l	96
40) Benzene	4.83	78	1954123	52.606	ug/l	98
41) Methacrylonitrile	4.94	41	131789	48.588	ug/l #	94
42) 1,2-Dichloroethane	5.14	62	366866	51.927	ug/l	94
43) Isopropyl Acetate	7.12	43	338318	52.491	ug/l #	97
44) Trichloroethene	5.69	130	567831	54.164	ug/l	96
45) 1,2-Dichloropropane	6.41	63	494641	53.063	ug/l	98
46) Dibromomethane	6.27	93	292351	53.717	ug/l	97
47) Bromodichloromethane	6.56	83	576419	52.005	ug/l	96
48) Methyl methacrylate	6.88	41	175968	52.976	ug/l	93
49) 1,4-Dioxane	6.87	88	51544	1177.254	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	1253007	272.302	ug/l	99
52) Toluene	7.78	92	1172160	58.586	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	530371	57.745	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	714346	53.731	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	336041	56.220	ug/l	99
56) Ethyl methacrylate	8.75	69	381193	59.437	ug/l	94
57) 1,3-Dichloropropane	9.00	76	539202	55.241	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	528167	235.641	ug/l	92
59) 2-Hexanone	9.62	43	925752	282.256	ug/l	99
60) Dibromochloromethane	8.86	129	433953	58.641	ug/l	96
61) 1,2-Dibromoethane	9.13	107	350758	56.504	ug/l	97
64) Tetrachloroethene	8.31	164	442289	50.722	ug/l	95
65) Chlorobenzene	9.94	112	1184545	54.055	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	451949	51.785	ug/l	97
67) Ethyl Benzene	10.03	91	1970863	52.410	ug/l	97
68) m/p-Xylenes	10.26	106	1461062	101.533	ug/l	97
69) o-Xylene	10.81	106	782501	53.708	ug/l	99
70) Styrene	10.89	104	1136855	52.940	ug/l	100
71) Bromoform	10.88	173	229265	54.761	ug/l #	92
73) Isopropylbenzene	11.22	105	1971902	48.104	ug/l	100
74) N-amyl acetate	11.44	43	519132	44.933	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	397223	45.376	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	254205	43.808	ug/l	92
77) Bromobenzene	11.58	156	485676	47.154	ug/l	96
78) n-propylbenzene	11.67	91	2244191	45.341	ug/l	98
79) 2-Chlorotoluene	11.80	91	1322430	46.694	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	1538202	45.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	122575m	49.895	ug/l	
82) 4-Chlorotoluene	11.98	91	1308935	47.029	ug/l	98
83) tert-Butylbenzene	12.19	119	1648174	49.618	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1612051	50.718	ug/l	96
85) sec-Butylbenzene	12.37	105	2133058	48.733	ug/l	94
86) p-Isopropyltoluene	12.52	119	1882959	51.684	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	952717	52.449	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	883471	52.116	ug/l	97
89) n-Butylbenzene	12.89	91	1836204	50.104	ug/l	97
90) Hexachloroethane	12.97	117	474868	53.442	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	837378	52.448	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	50386	52.831	ug/l	81

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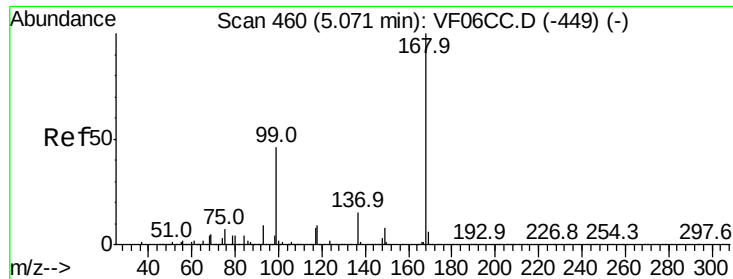
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	585978	53.454	ug/l	99
94) Hexachlorobutadiene	14.22	225	426904	56.292	ug/l	98
95) Naphthalene	14.49	128	981877	54.672	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	541099	54.074	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 860797

Ion Ratio Lower Upper

168 100

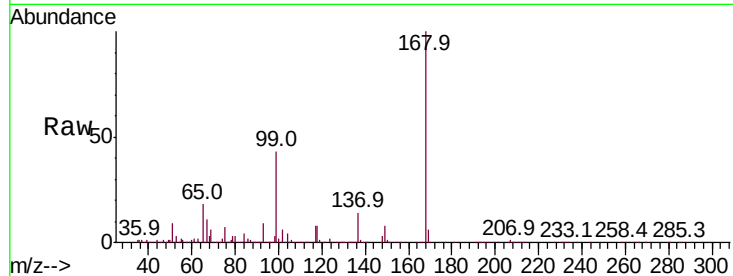
99 42.8 39.1 58.7

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

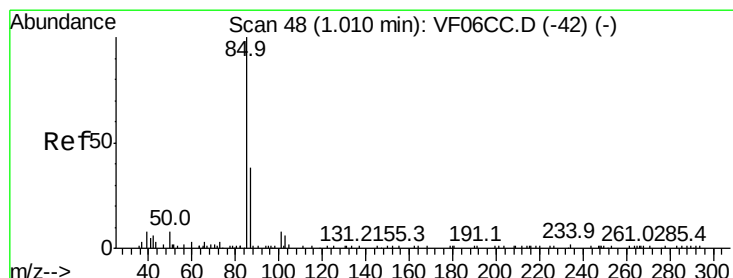
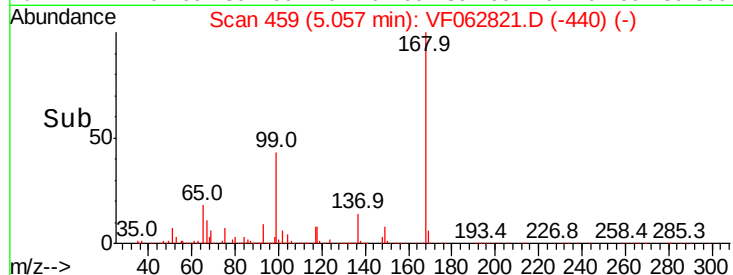
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.576 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062821.D

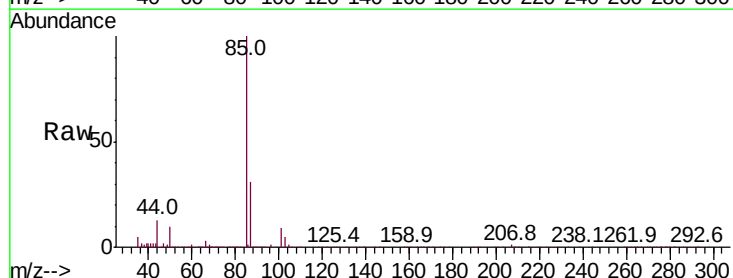
Acq: 3 Jun 2019 10:56

Tgt Ion: 85 Resp: 474314

Ion Ratio Lower Upper

85 100

87 31.2 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

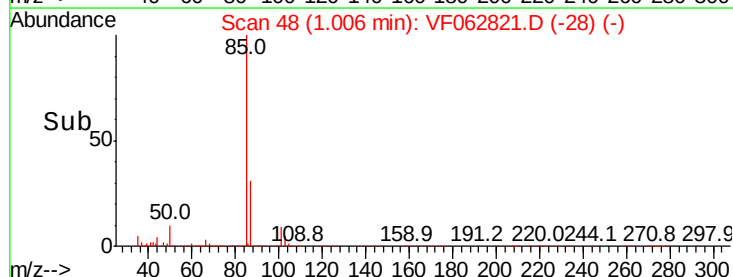
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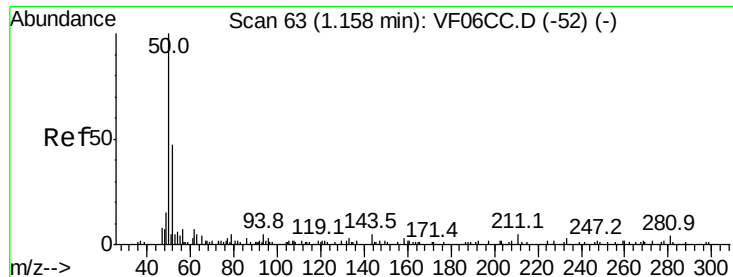
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.693 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 415880

Ion Ratio Lower Upper

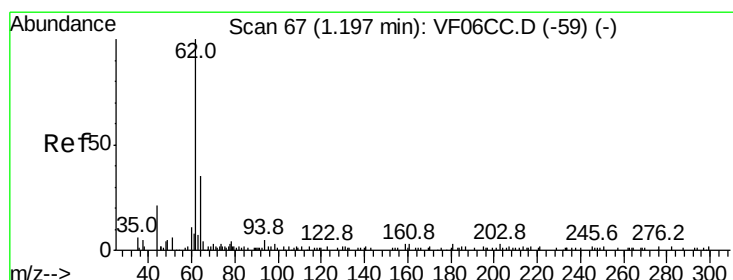
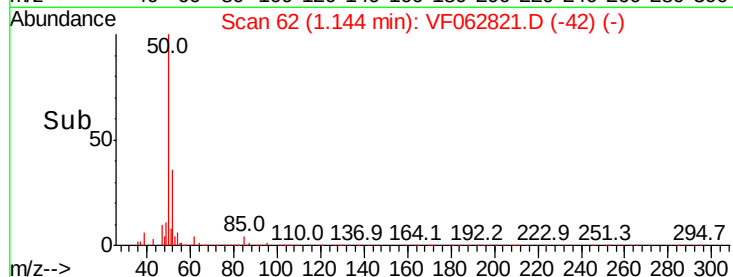
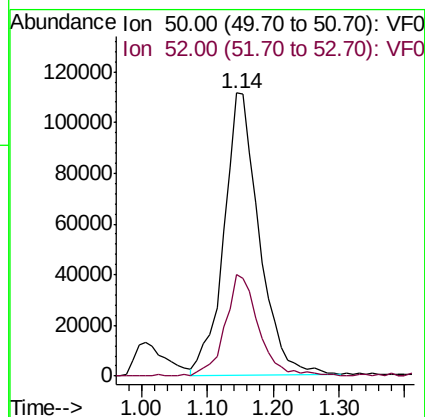
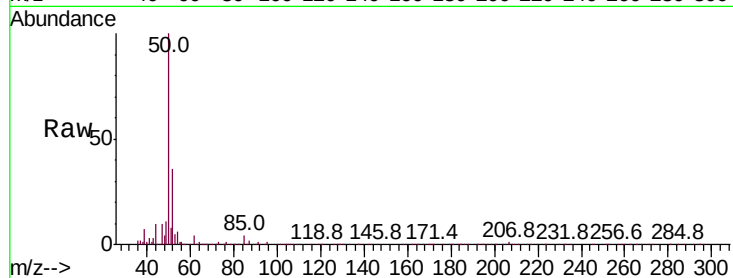
50 100

52 35.8 27.0 40.4

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#4

Vinyl Chloride

Concen: 45.151 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062821.D

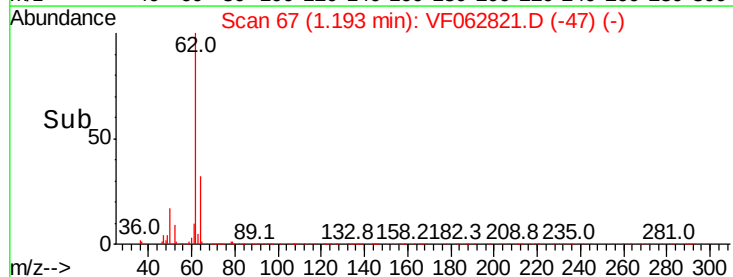
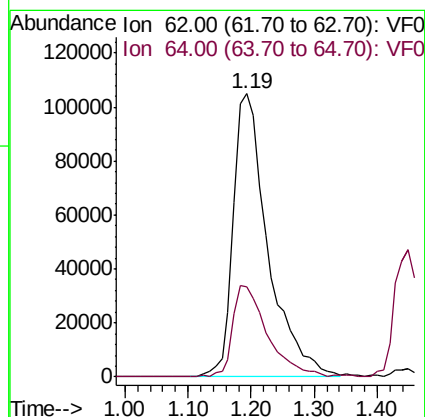
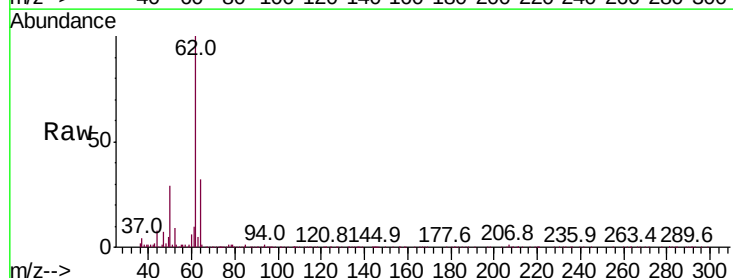
Acq: 3 Jun 2019 10:56

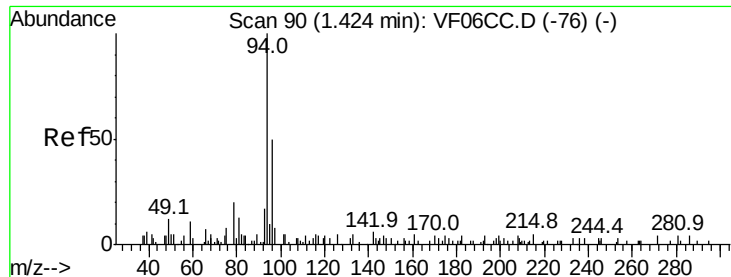
Tgt Ion: 62 Resp: 399631

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 47.528 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 239906

Ion Ratio Lower Upper

94 100

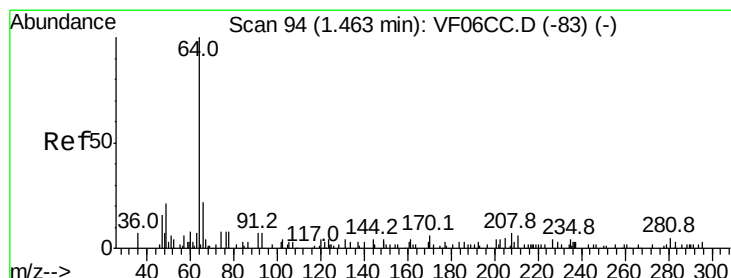
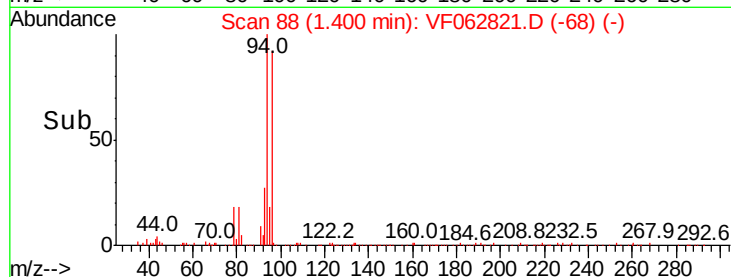
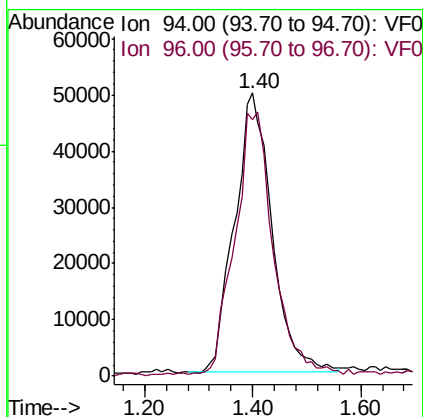
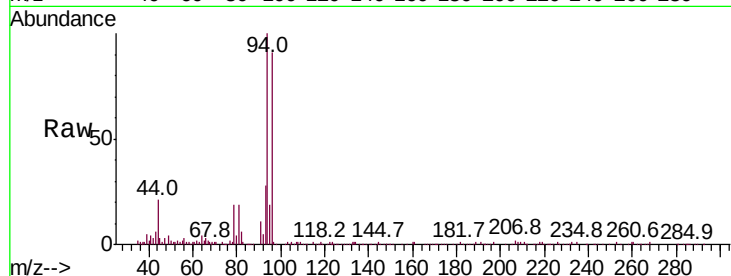
96 90.8 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 42.003 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.02 min

Lab File: VF062821.D

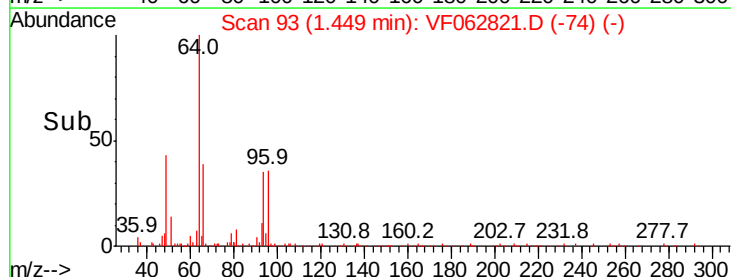
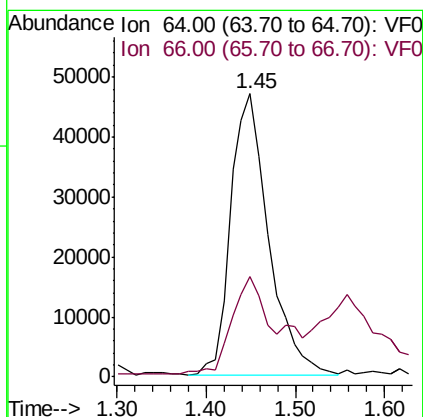
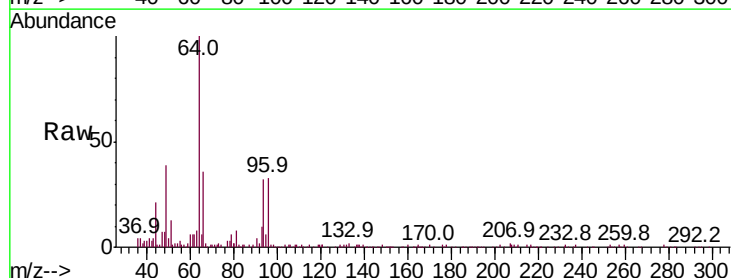
Acq: 3 Jun 2019 10:56

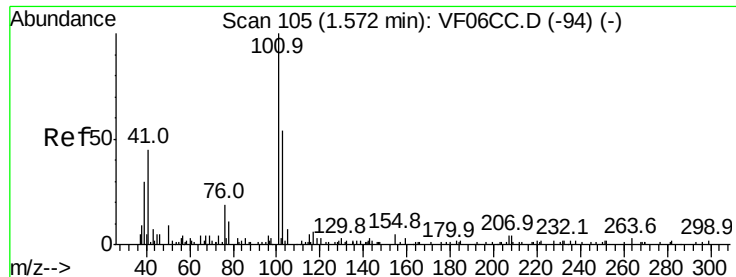
Tgt Ion: 64 Resp: 138998

Ion Ratio Lower Upper

64 100

66 35.5 31.0 46.4





#7

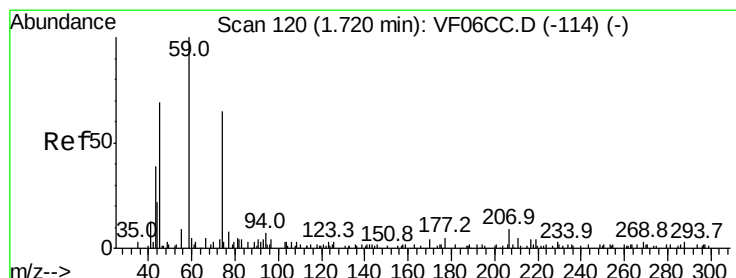
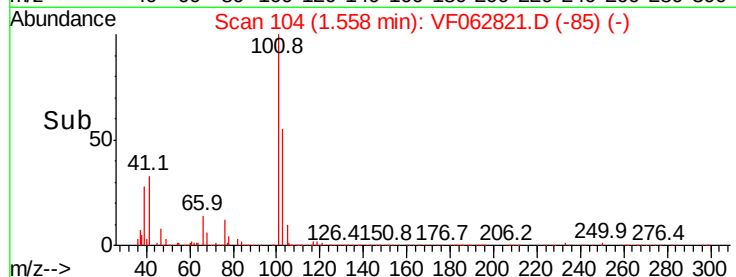
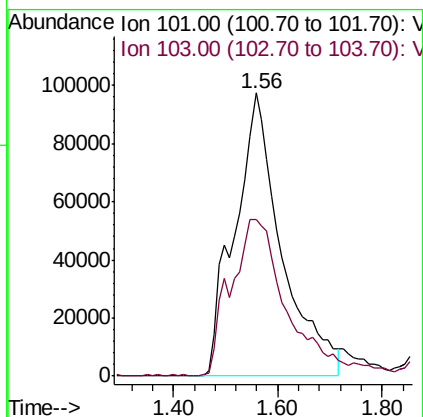
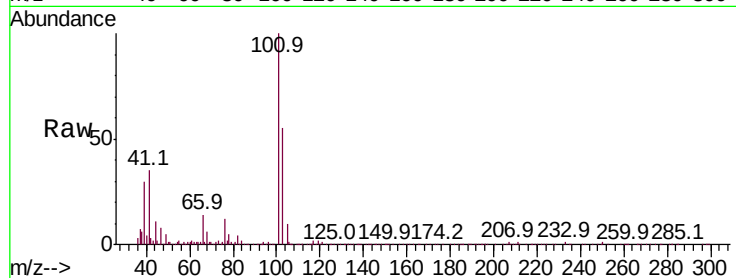
Trichlorofluoromethane
Concen: 47.657 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.4	54.6	82.0

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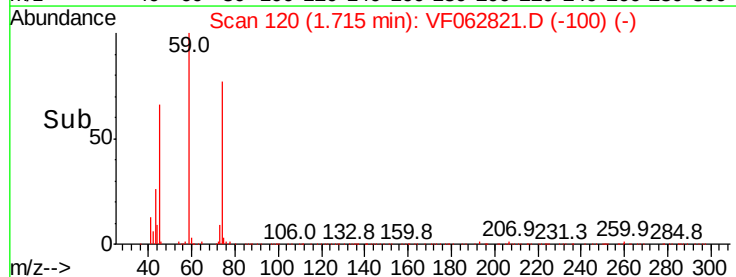
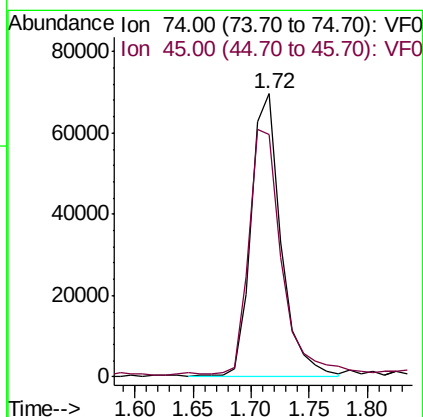
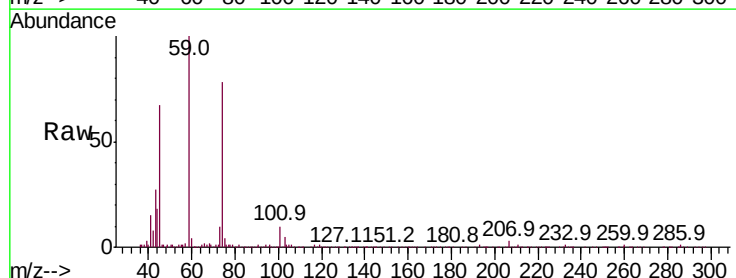
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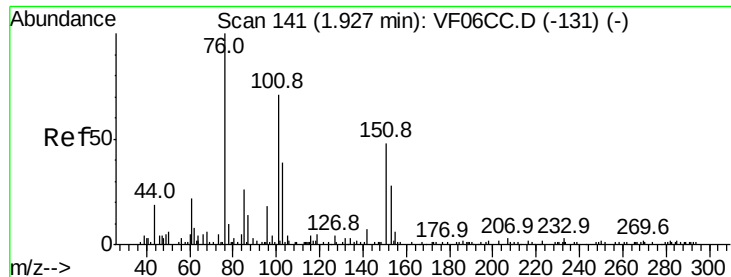


#8

Diethyl Ether
Concen: 50.075 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.164 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

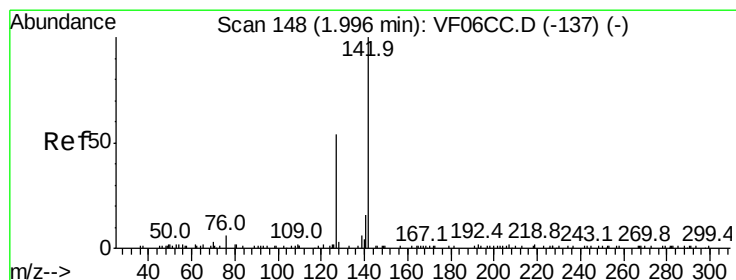
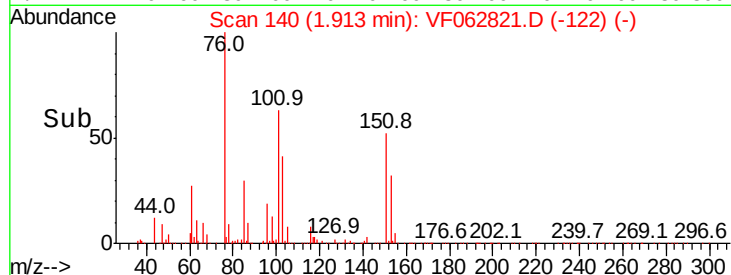
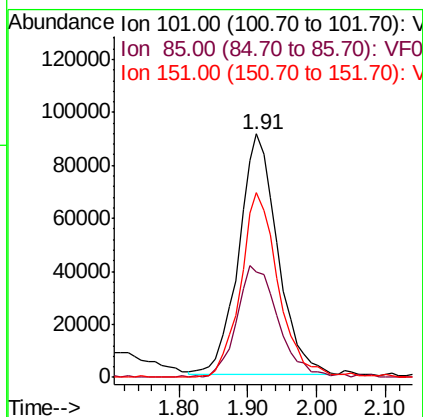
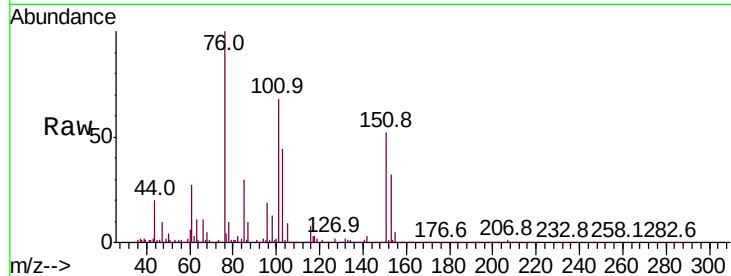
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	355786
Ion Ratio	Lower	Upper	
101	100		
85	43.4	37.1	55.7
151	75.7	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 47.596 ug/l

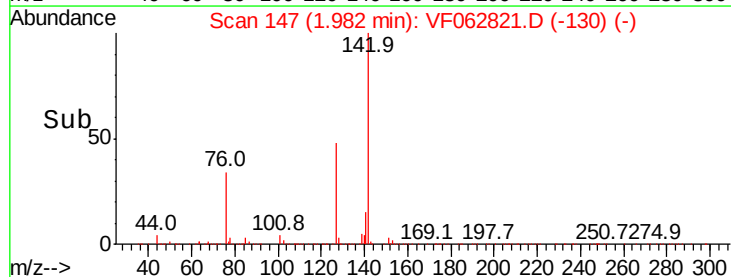
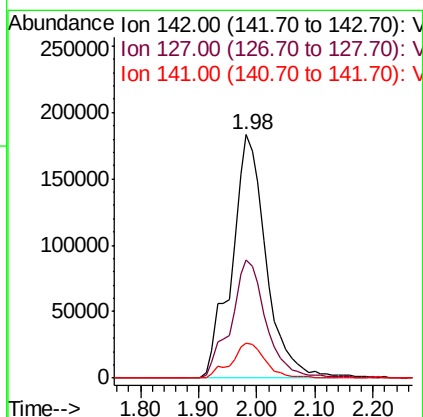
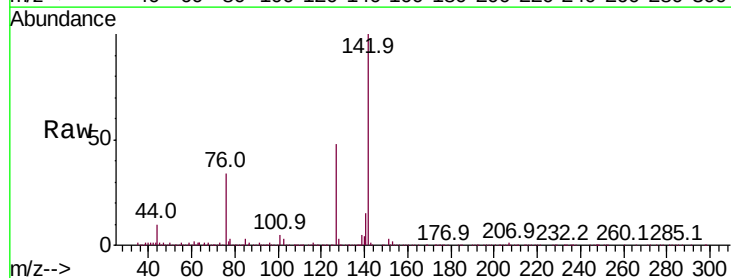
RT: 1.98 min Scan# 147

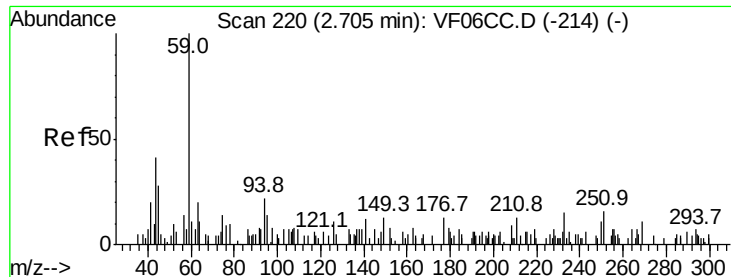
Delta R.T. -0.04 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion:	142	Resp:	751782
Ion Ratio	Lower	Upper	
142	100		
127	47.8	39.4	59.2
141	14.5	10.6	15.8





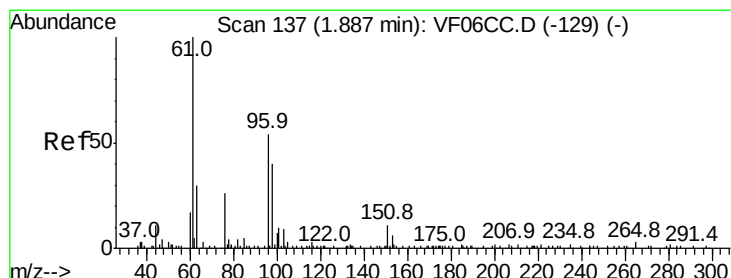
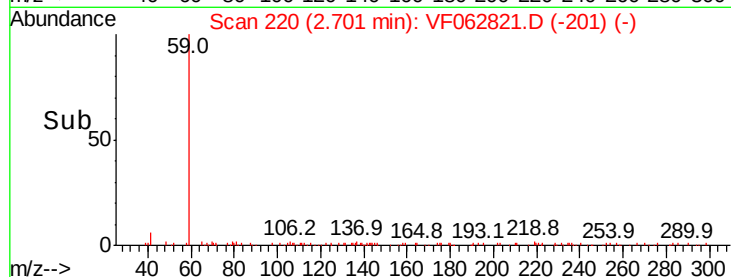
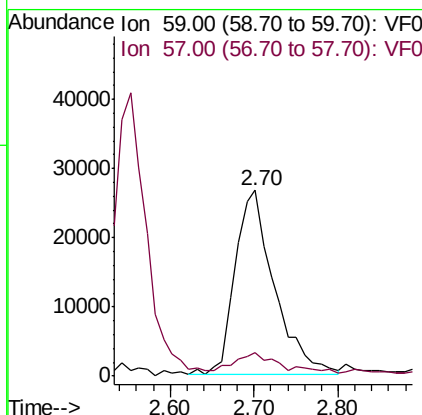
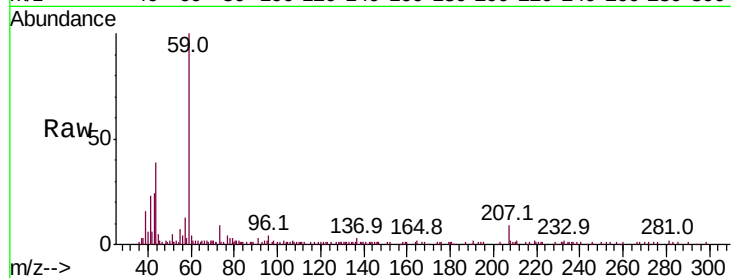
#11
Tert butyl alcohol
Concen: 238.764 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	86097
Ion Ratio	100	Lower	Upper
57	12.7	9.2	13.8

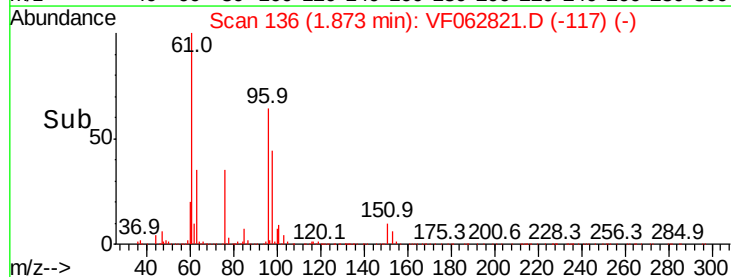
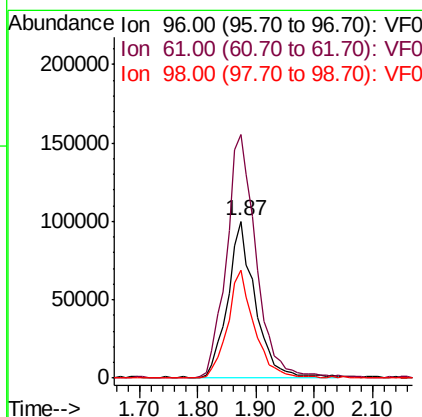
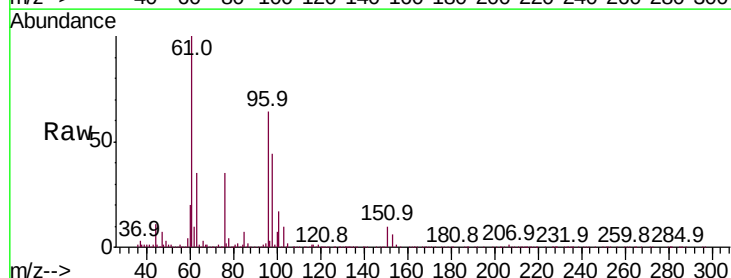
Manual Integrations
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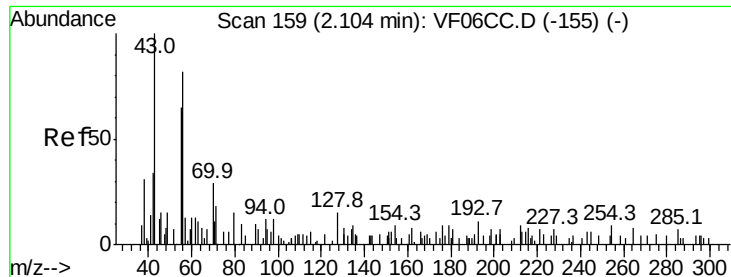
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.092 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	96	Resp	322555
Ion Ratio	100	Lower	Upper
61	155.2	139.4	209.2
98	68.8	50.3	75.5





#13

Acrolein

Concen: 254.947 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 36703

Ion Ratio Lower Upper

56 100

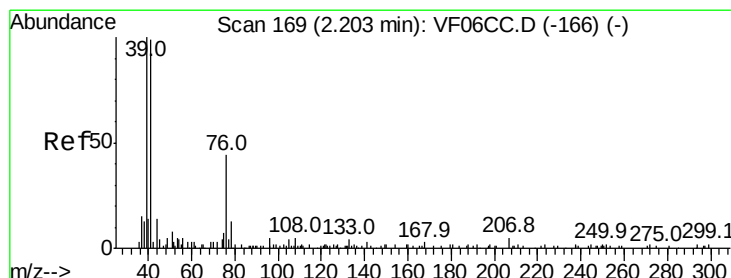
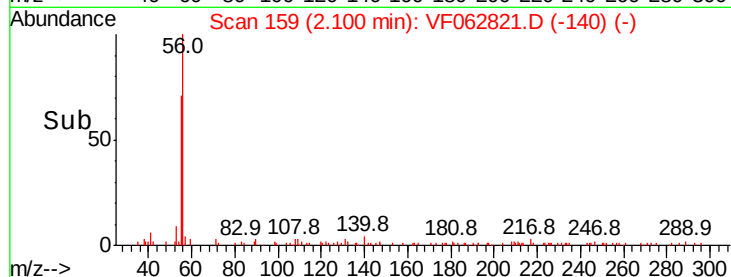
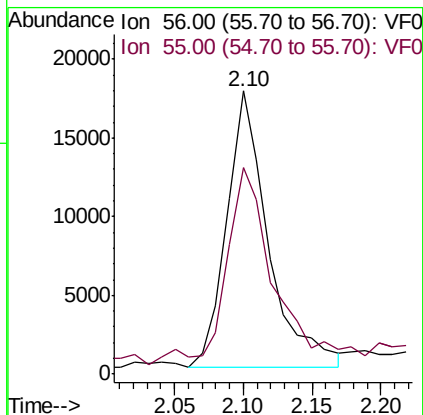
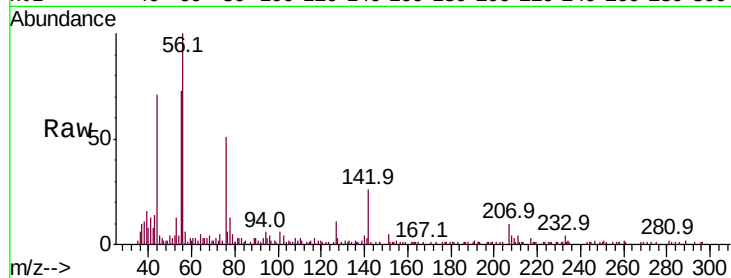
55 72.9 52.9 79.3

Manual Integrations

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#14

Allyl chloride

Concen: 51.793 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

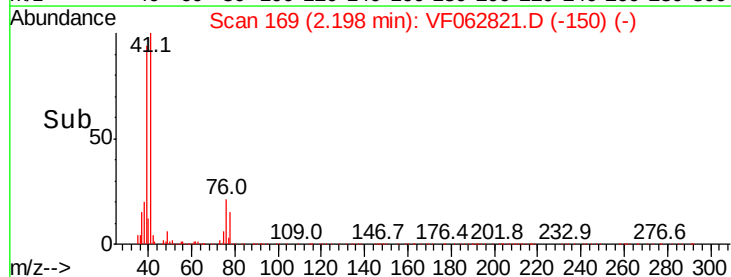
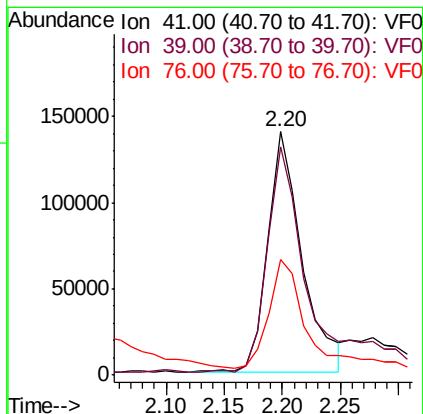
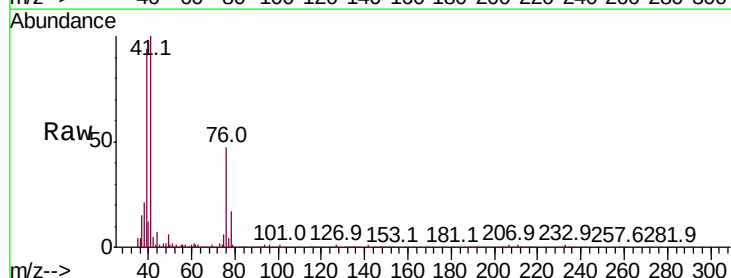
Tgt Ion: 41 Resp: 287423

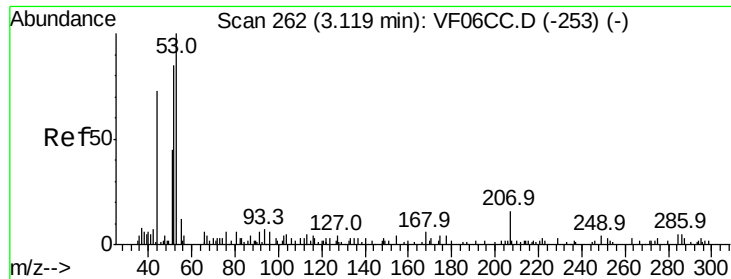
Ion Ratio Lower Upper

41 100

39 93.9 71.9 107.9

76 47.5 39.6 59.4





#15

Acrylonitrile

Concen: 161.536 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

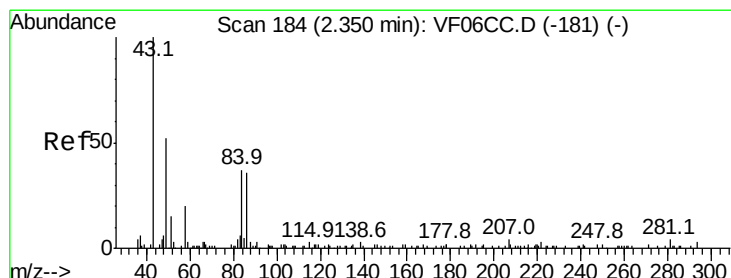
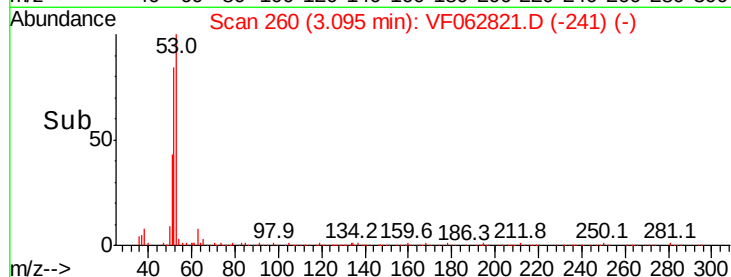
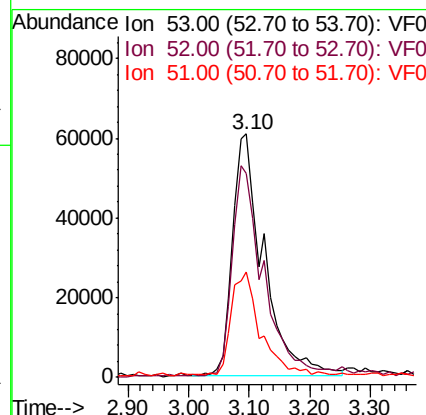
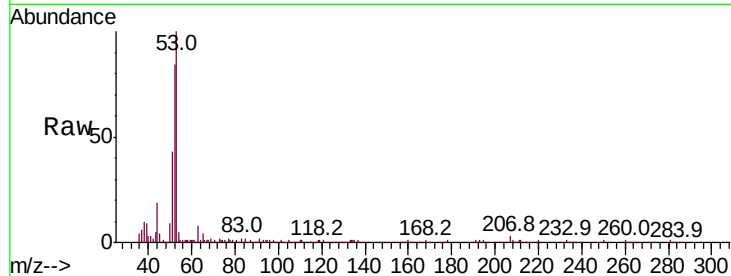
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	218875
Ion Ratio	Lower	Upper	
53	100		
52	84.0	68.1	102.1
51	43.2	27.7	41.5#

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#16

Acetone

Concen: 285.664 ug/l

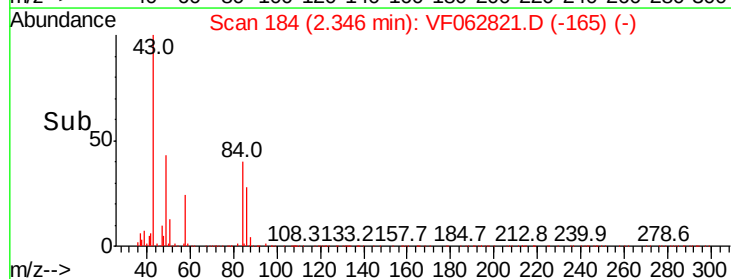
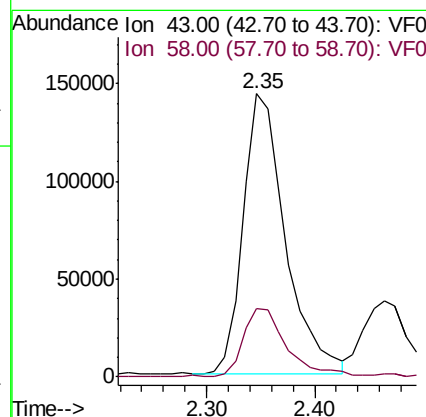
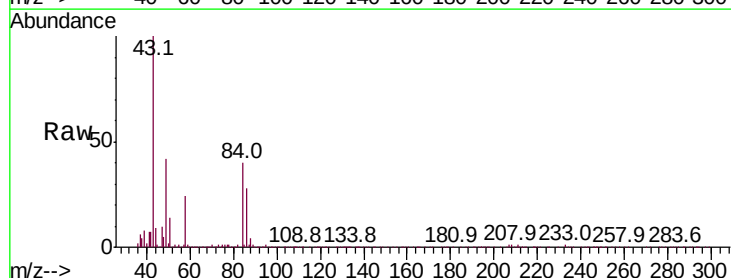
RT: 2.35 min Scan# 184

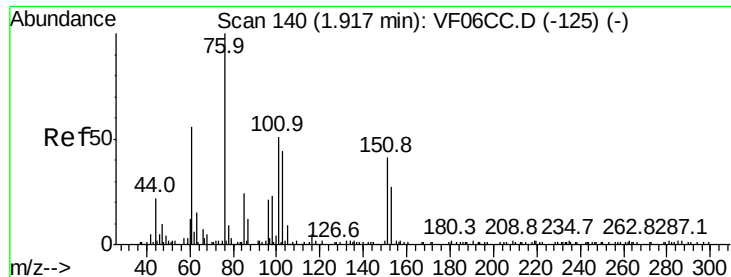
Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion:	43	Resp:	389185
Ion Ratio	Lower	Upper	
43	100		
58	24.3	19.0	28.4





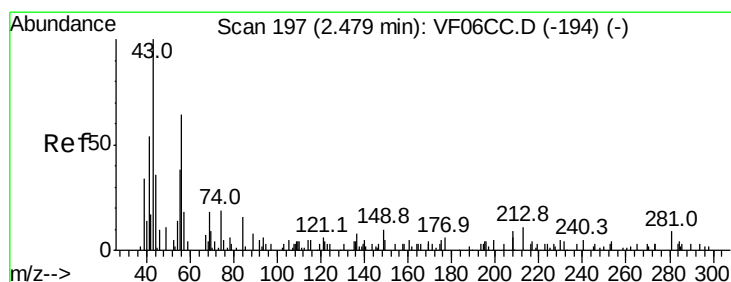
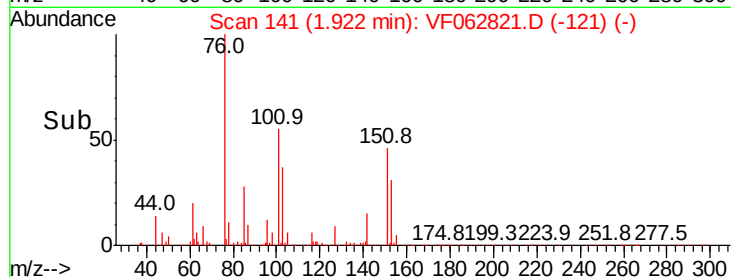
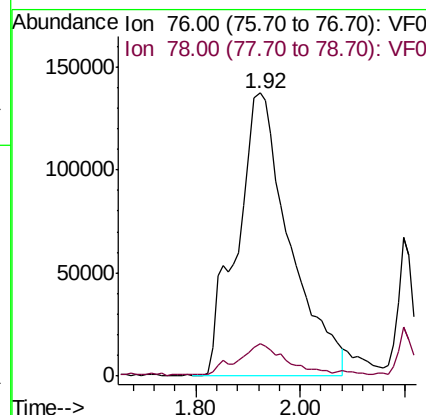
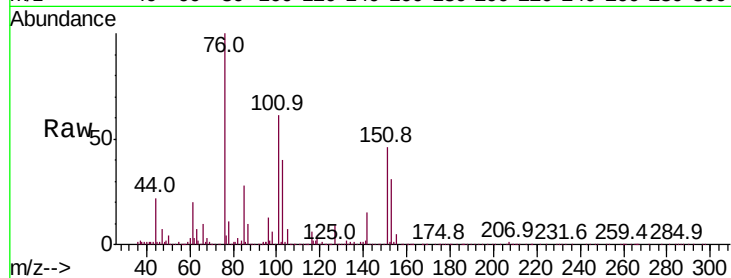
#17
Carbon Disulfide
Concen: 45.174 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.4	9.4	14.2

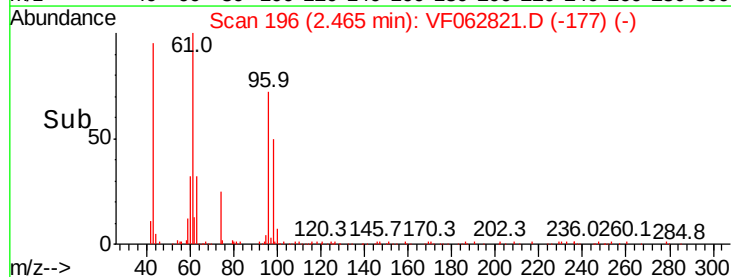
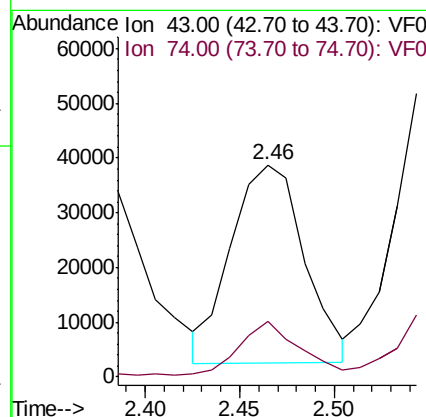
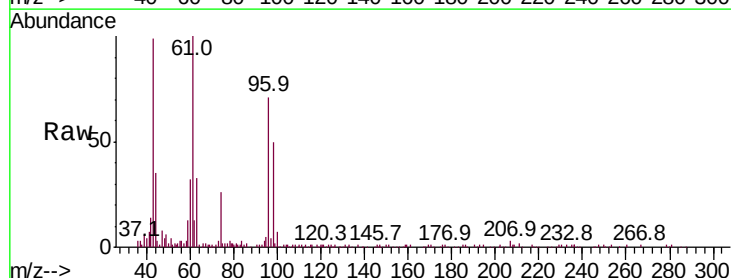
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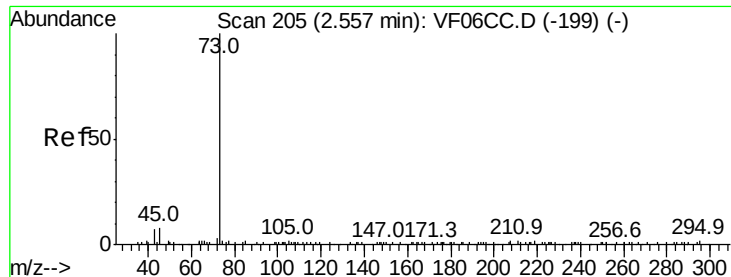
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#18
Methyl Acetate
Concen: 41.023 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	22.1	33.1





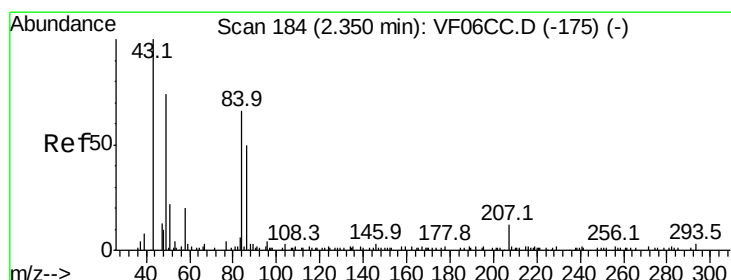
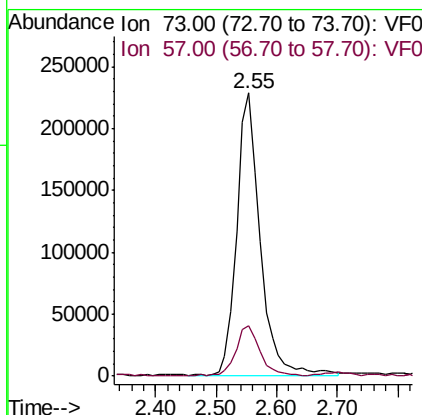
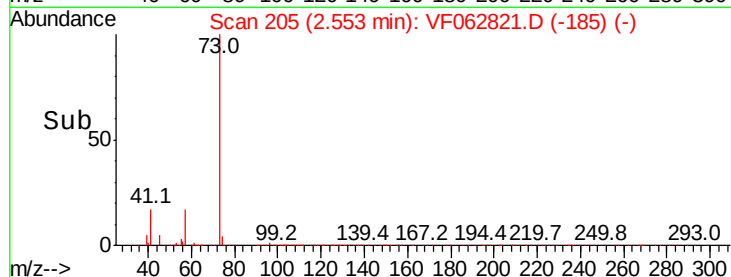
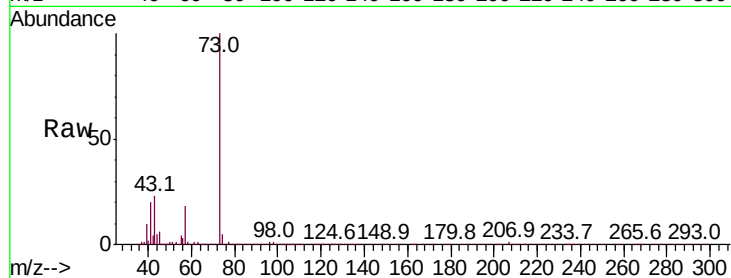
#19
Methyl tert-butyl Ether
Concen: 46.848 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 607140
Ion Ratio Lower Upper
73 100
57 17.9 15.1 22.7

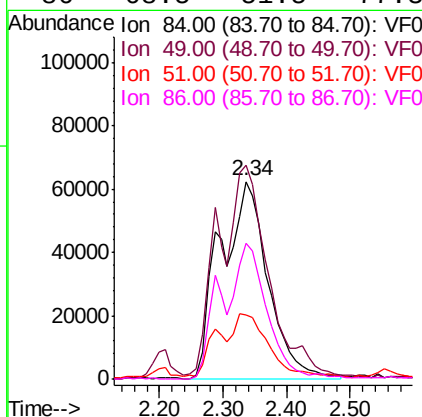
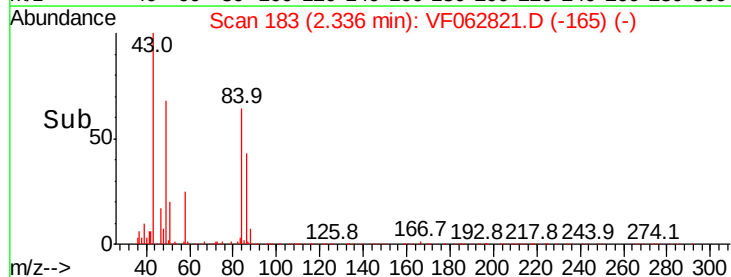
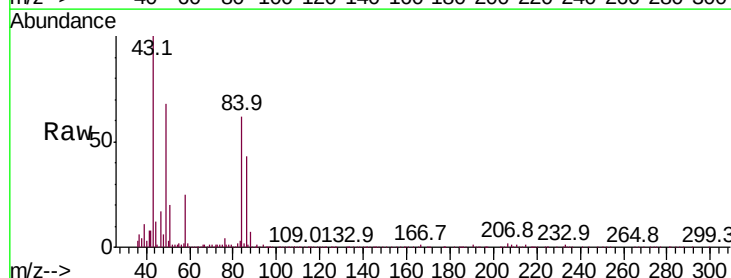
Manual Integrations
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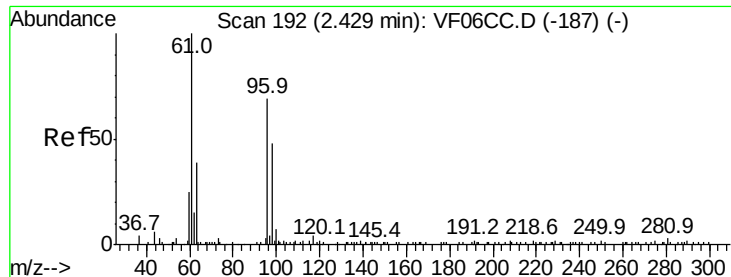
MMDadoda
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#20
Methylene Chloride
Concen: 47.505 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 84 Resp: 325113
Ion Ratio Lower Upper
84 100
49 108.2 82.6 123.8
51 32.2 25.0 37.4
86 68.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.092 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 352098

Ion Ratio Lower Upper

96 100

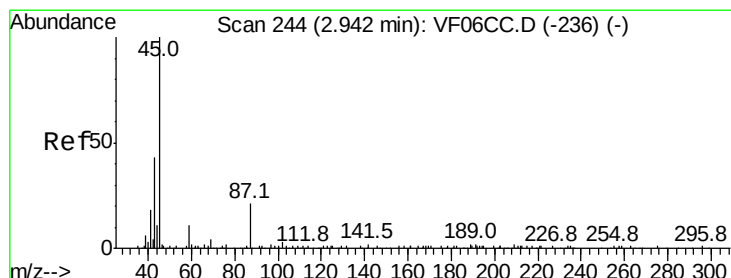
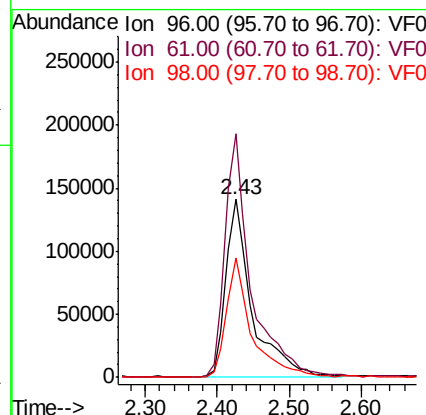
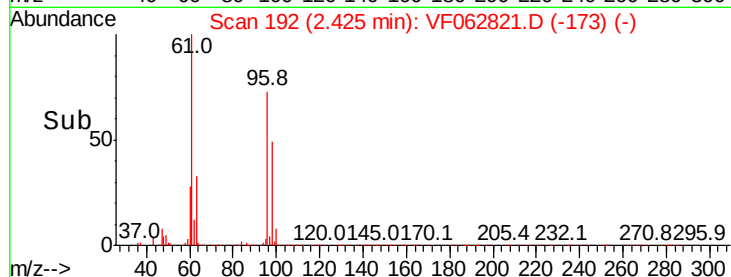
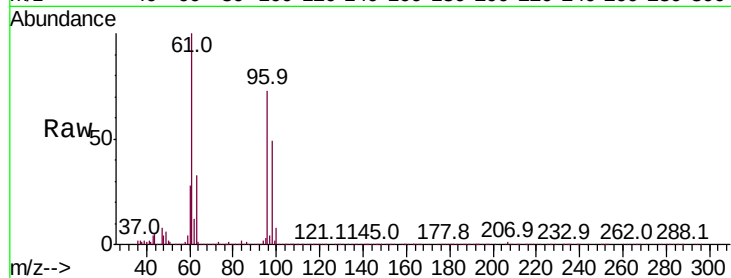
61 136.7 105.0 157.6

98 67.3 51.1 76.7

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#22

Diisopropyl ether

Concen: 47.294 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion: 45 Resp: 745669

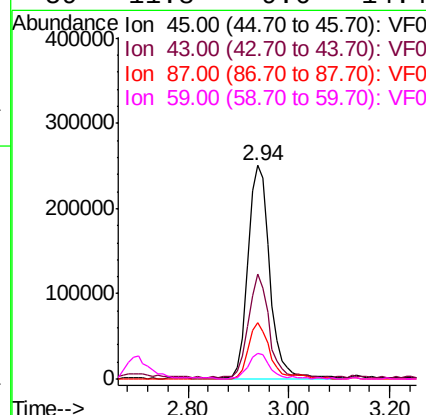
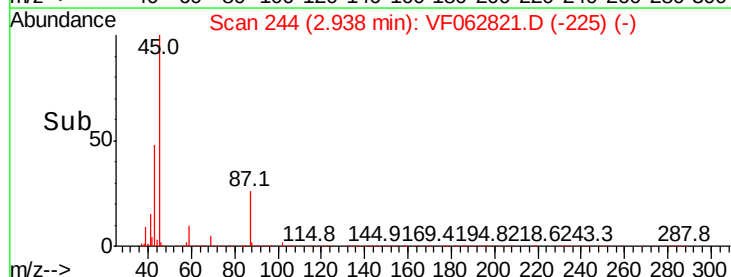
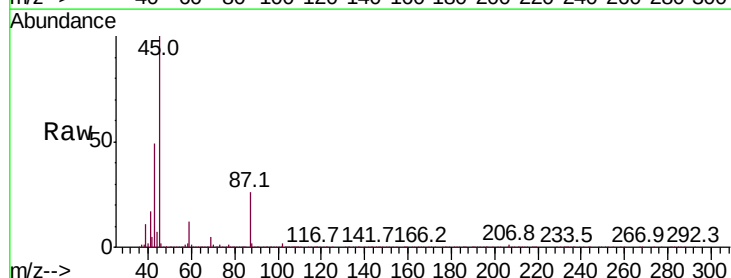
Ion Ratio Lower Upper

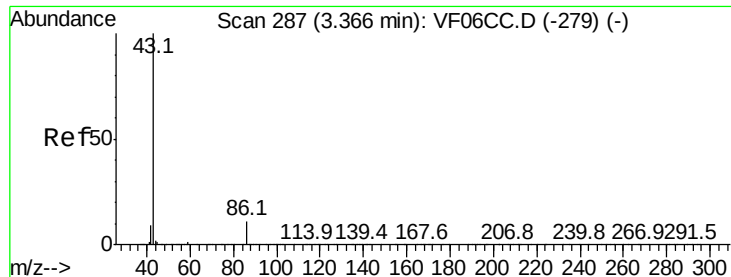
45 100

43 48.9 34.3 51.5

87 26.2 19.0 28.4

59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 244.383 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

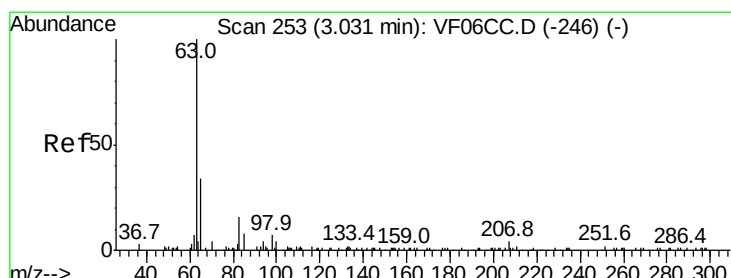
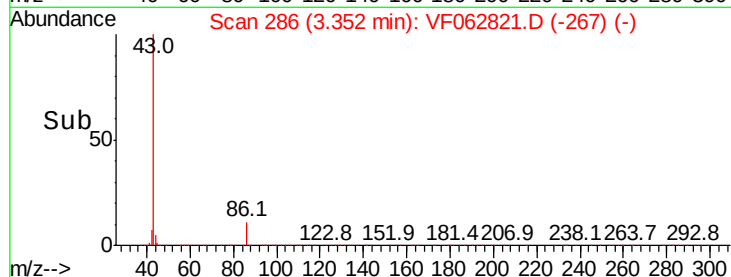
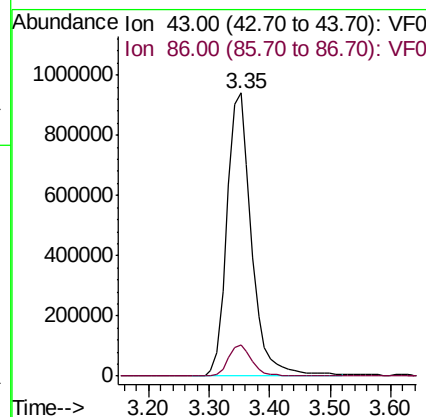
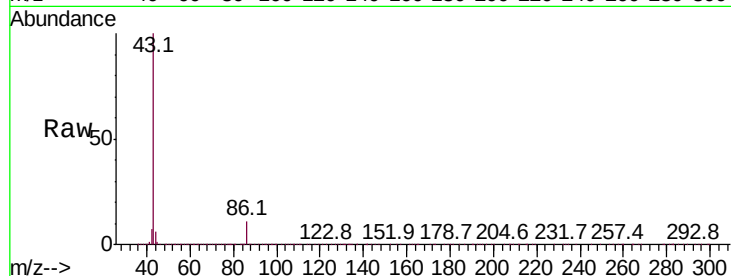
Instrument :
MSVOA_F
ClientSampleID :
VSTDCCC050

Tot Ion: 43 Resp: 2637838

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.2	12.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 44.323 ug/l

RT: 3.02 min Scan# 252

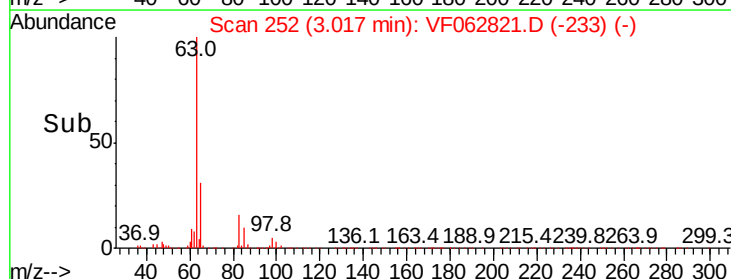
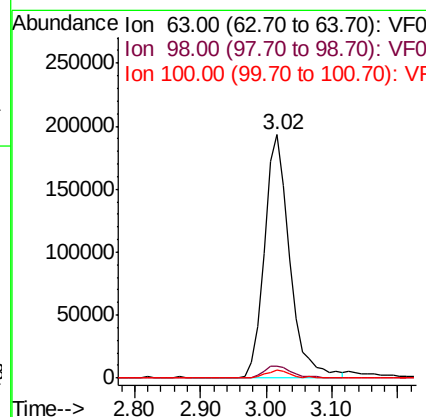
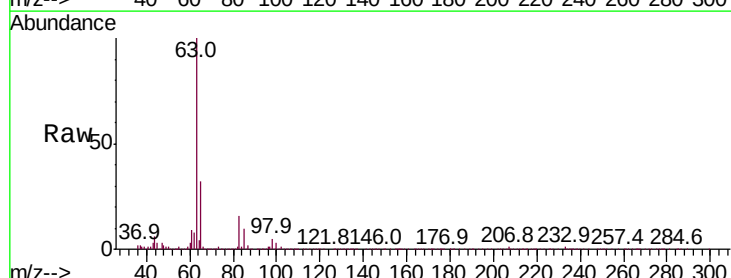
Delta R.T. -0.02 min

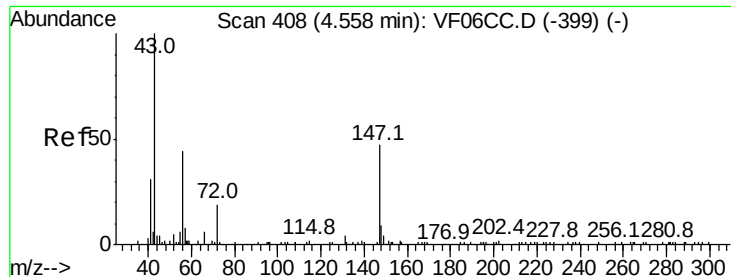
Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion: 63 Resp: 521774

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.1
100	3.2	1.5	4.5





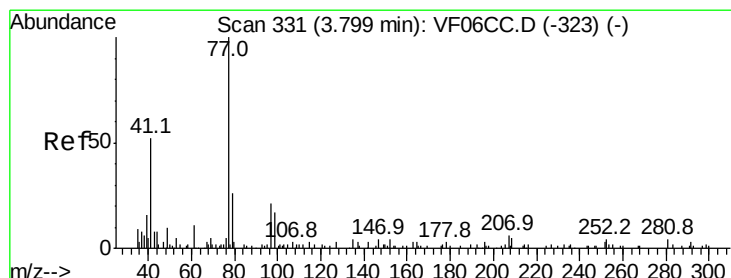
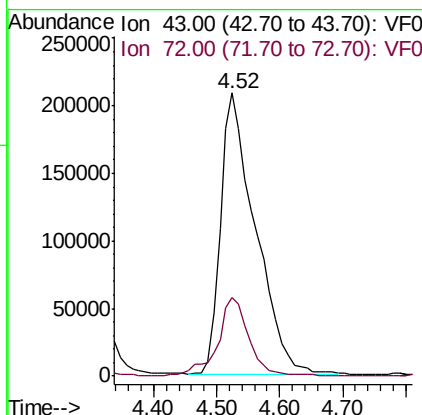
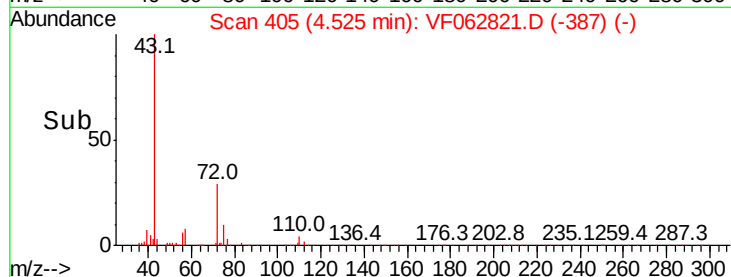
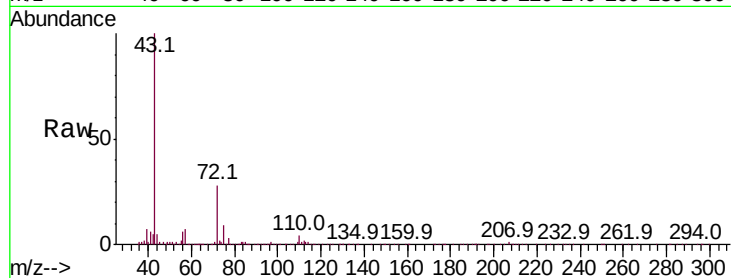
#25
2-Butanone
Concen: 250.669 ug/l
RT: 4.52 min Scan# 405
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 795295
Ion Ratio Lower Upper
43 100
72 27.6 21.4 32.0

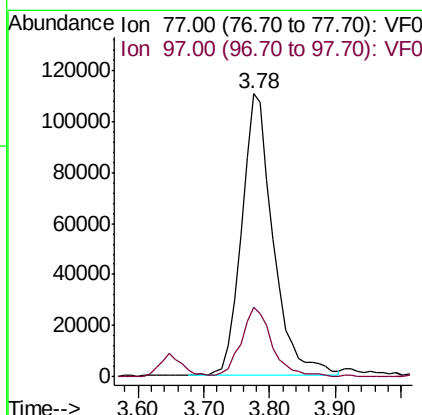
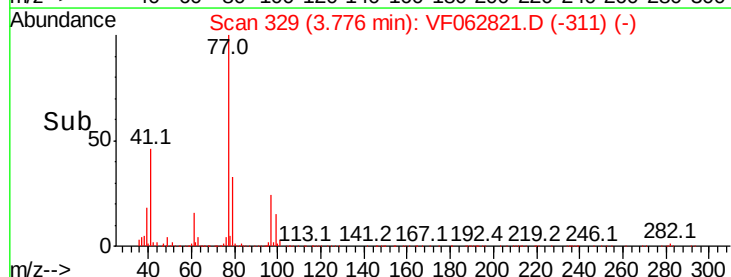
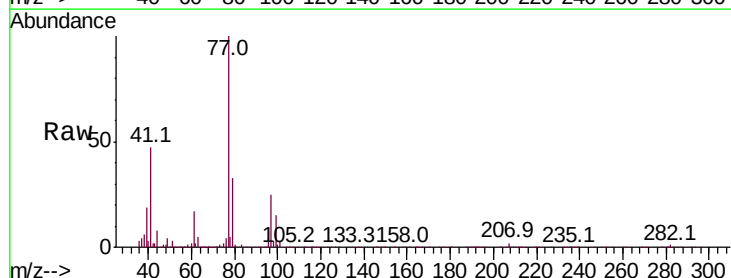
Manual Integrations
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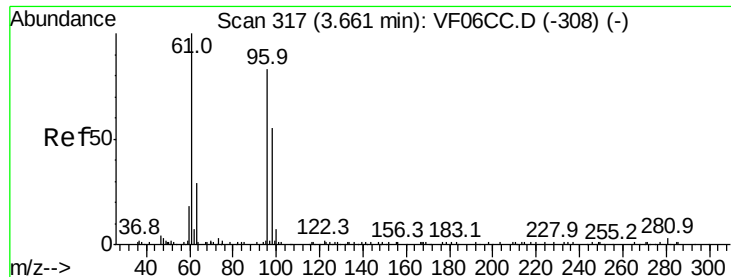
MMDadoda
6/4/2019 12:15:37 PM



#26
2,2-Dichloropropane
Concen: 55.549 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 77 Resp: 371297
Ion Ratio Lower Upper
77 100
97 24.7 12.4 37.4





#27

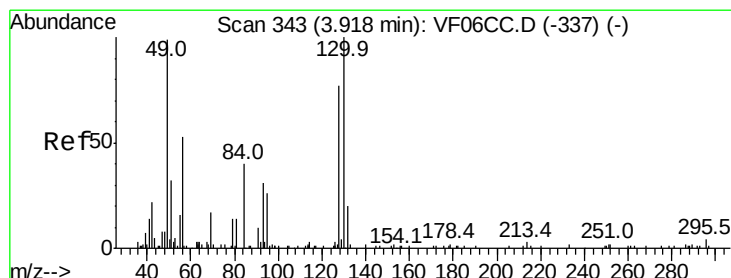
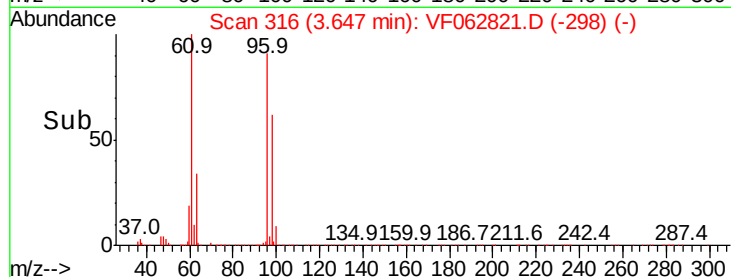
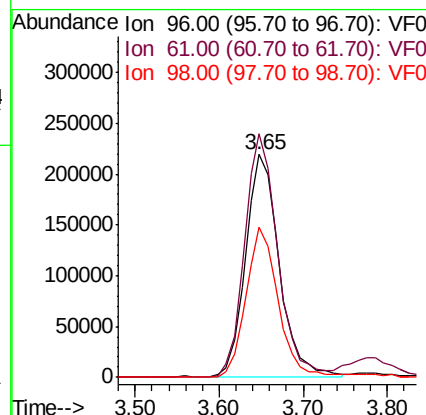
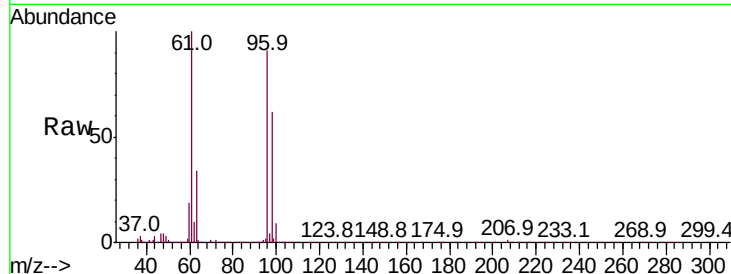
cis-1,2-Dichloroethene
Concen: 50.851 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	613066		
61	109.4	0.0	213.8	
98	67.6	0.0	127.0	

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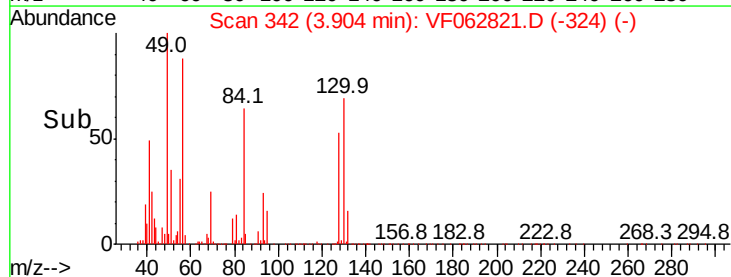
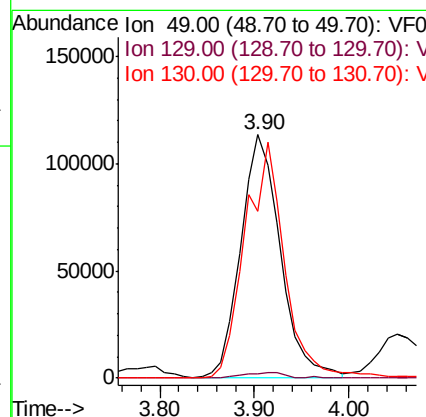
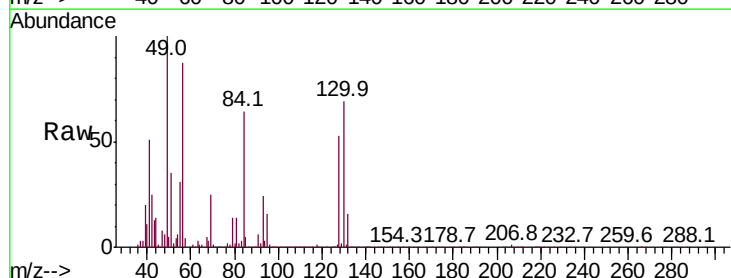
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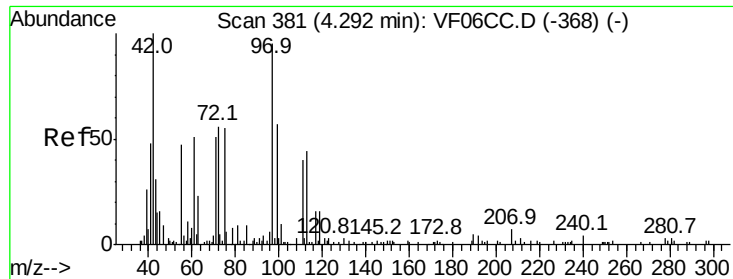


#28

Bromochloromethane
Concen: 51.193 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	327809		
129	2.0	0.0	5.4	
130	68.7	79.2	118.8#	





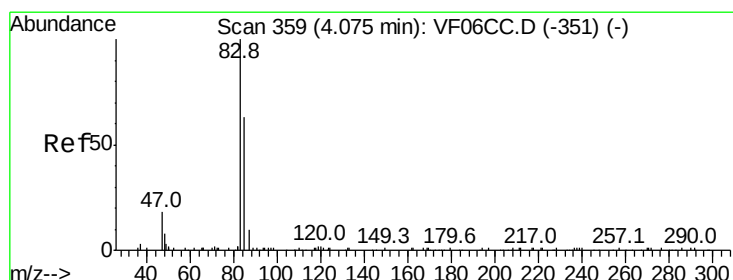
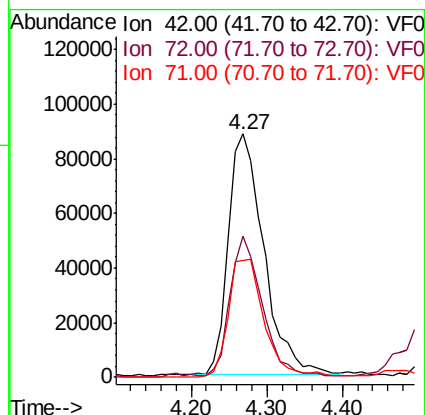
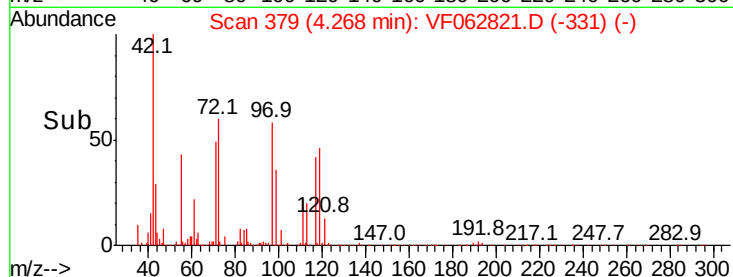
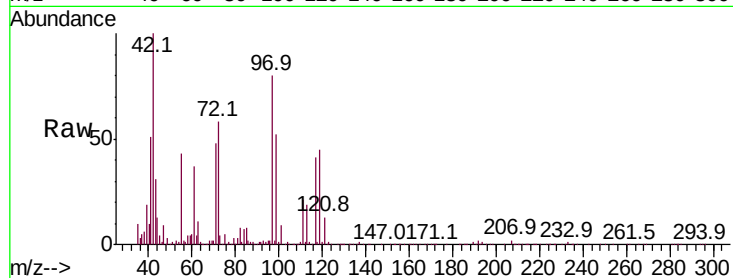
#29
Tetrahydrofuran
Concen: 236.782 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.1	39.0	58.6
71	49.4	36.9	55.3

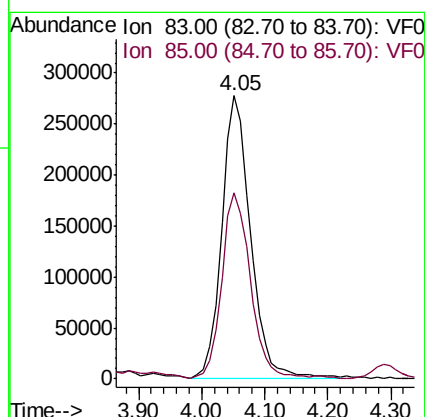
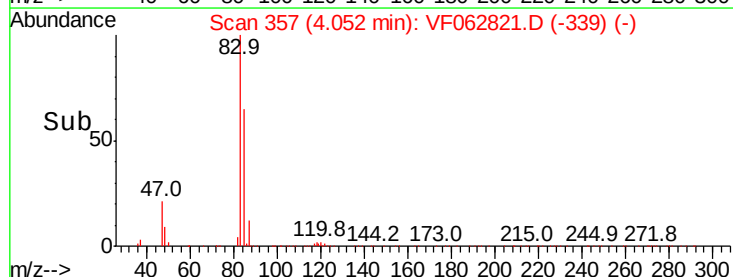
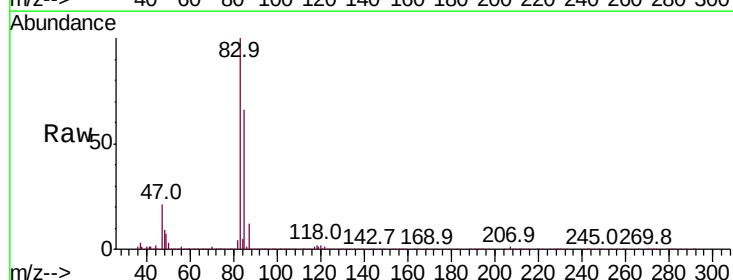
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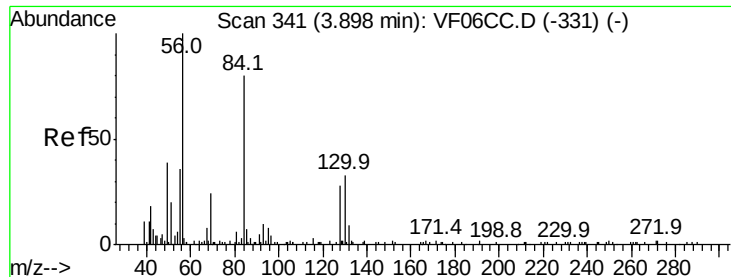
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#30
Chloroform
Concen: 52.528 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	55.0	82.6





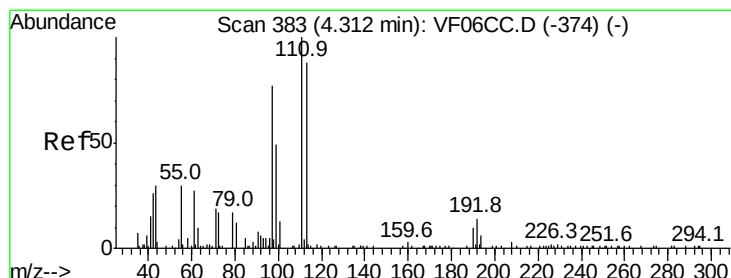
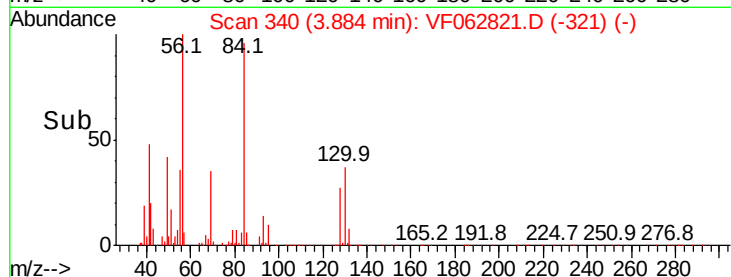
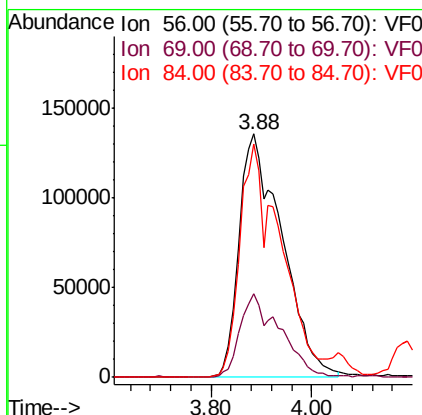
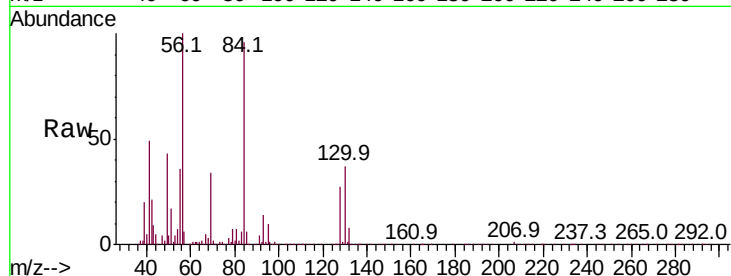
#31
Cyclohexane
Concen: 49.812 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	26.7	40.1
84	95.8	74.3	111.5

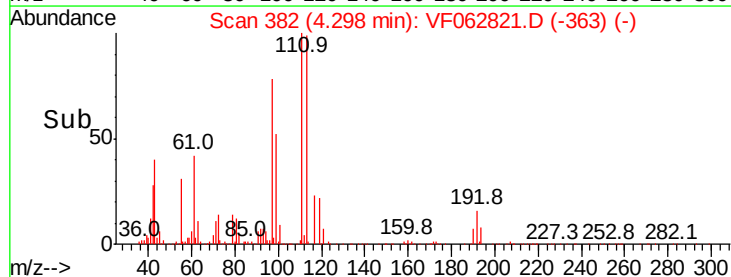
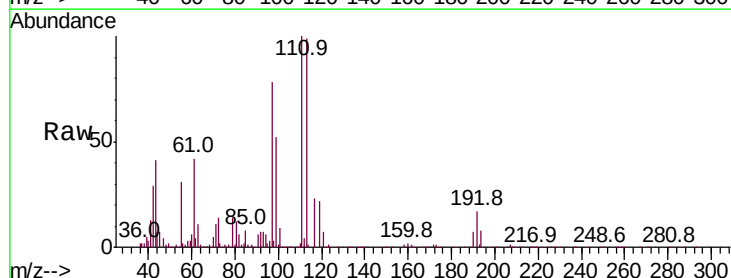
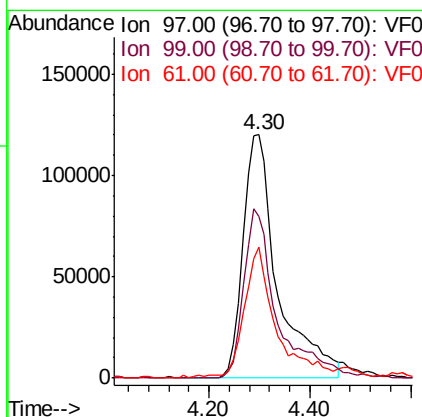
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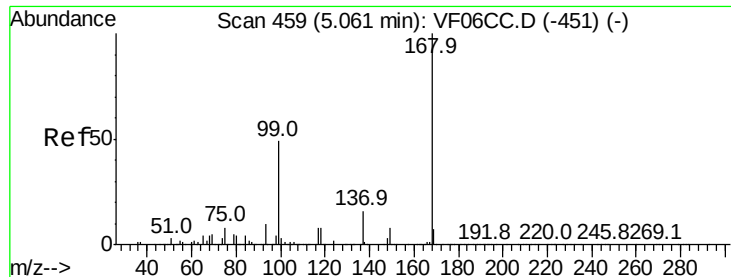
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#32
1,1,1-Trichloroethane
Concen: 59.432 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.7	77.5
61	54.0	38.9	58.3





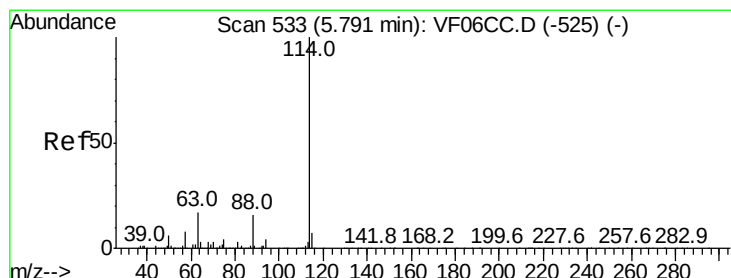
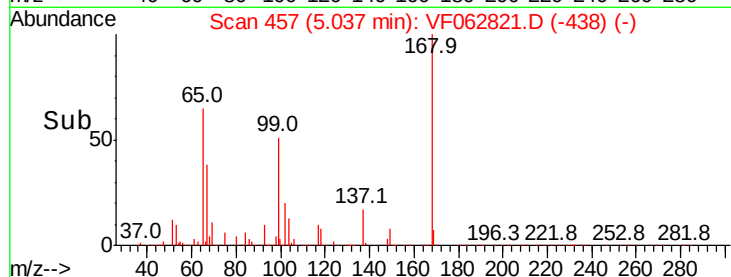
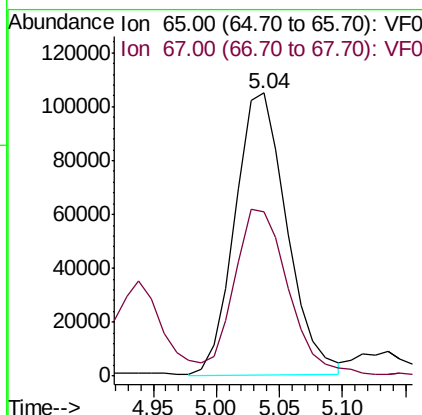
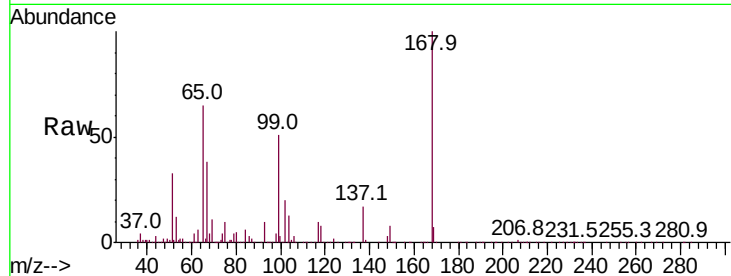
#33
 1,2-Dichloroethane-d4
 Concen: 50.261 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	58.1	0.0	121.2

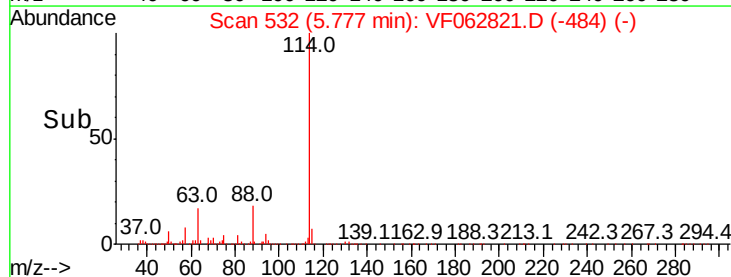
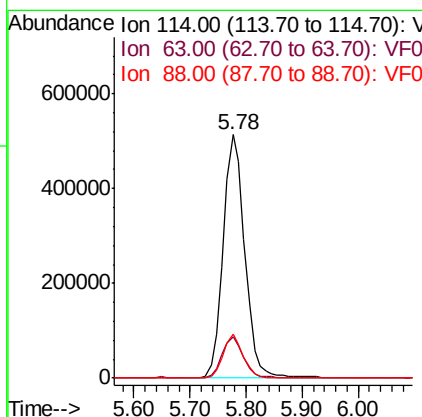
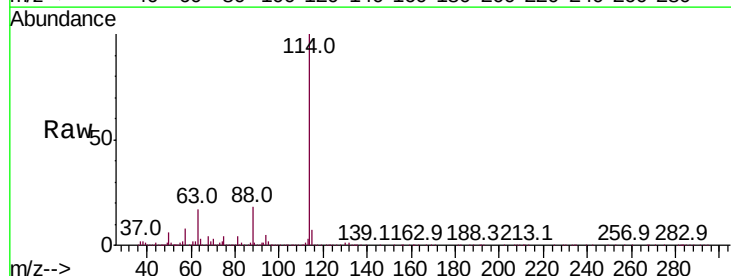
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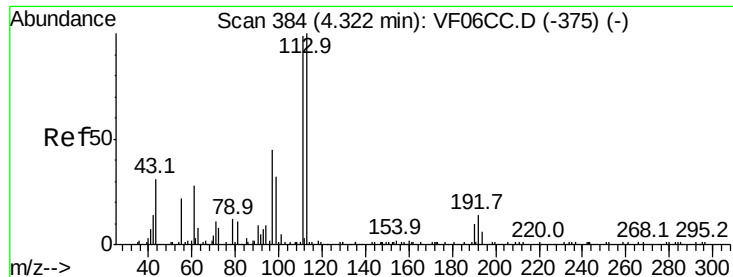
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	34.2
88	17.9	0.0	31.2





#35

Dibromofluoromethane

Concen: 54.313 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

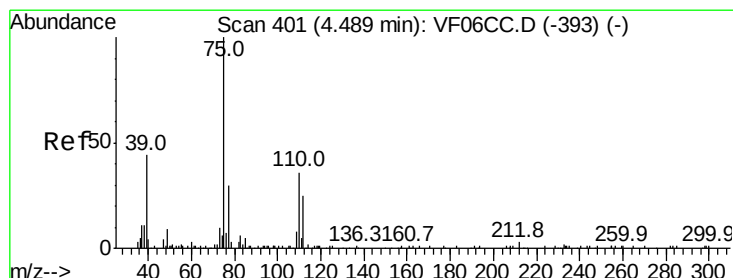
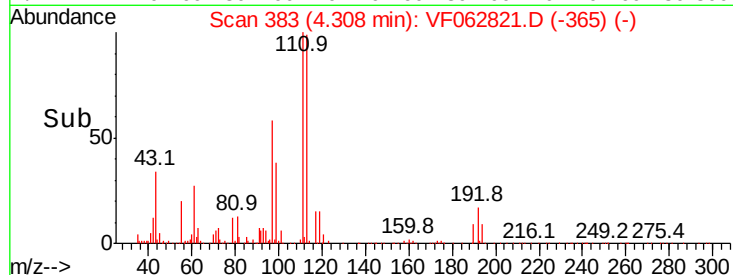
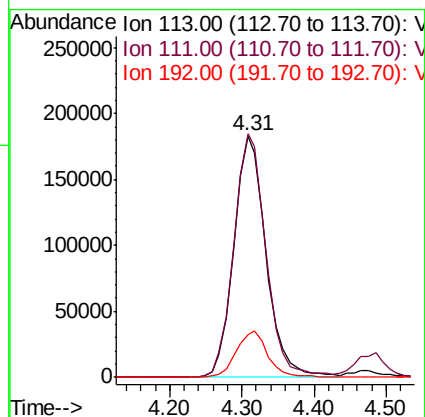
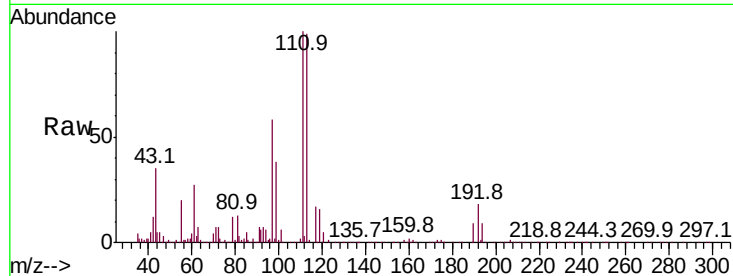
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	569025
Ion Ratio	Lower	Upper	
113	100		
111	100.8	81.9	122.9
192	17.7	15.1	22.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 55.786 ug/l

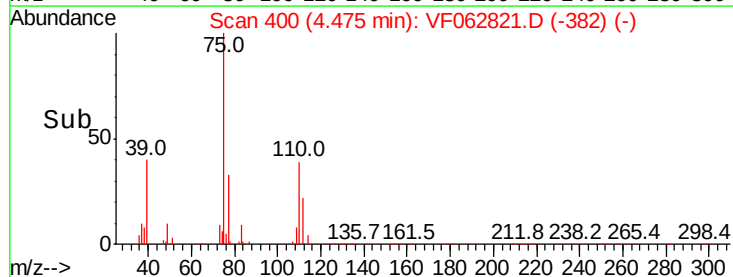
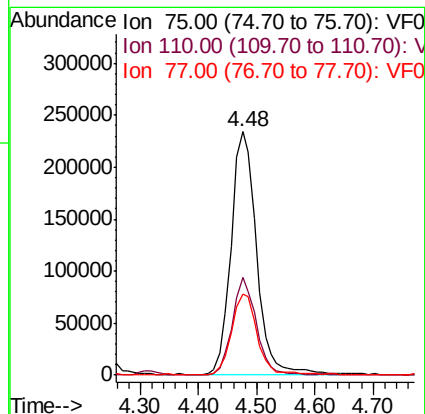
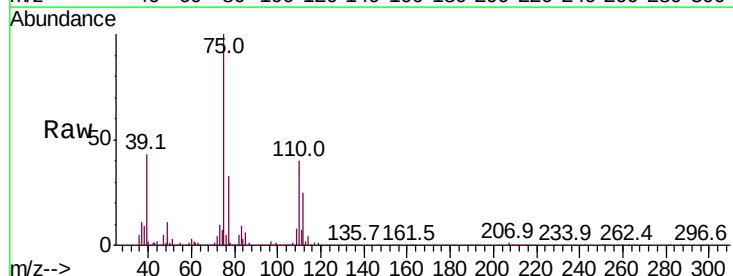
RT: 4.48 min Scan# 400

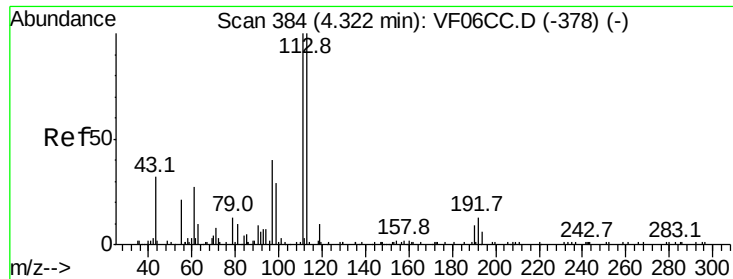
Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion:	75	Resp:	712022
Ion Ratio	Lower	Upper	
75	100		
110	40.0	19.4	58.1
77	33.4	25.4	38.2





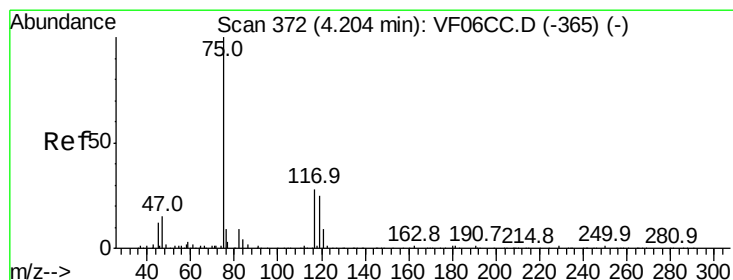
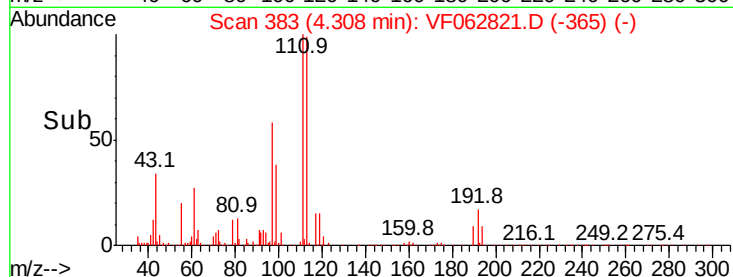
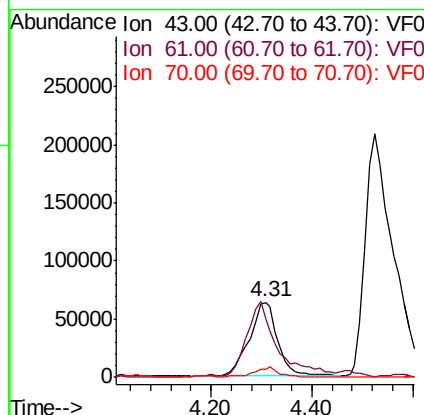
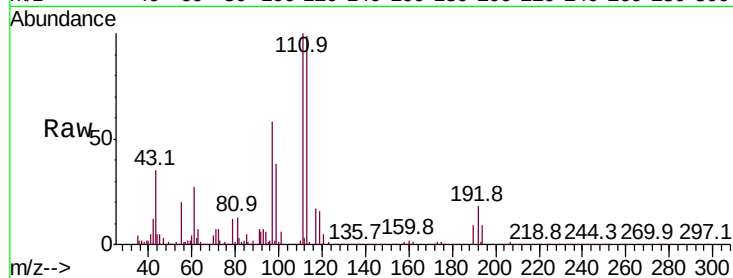
#37
Ethyl Acetate
Concen: 52.270 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	77.6	59.1	88.7
70	11.5	10.1	15.1

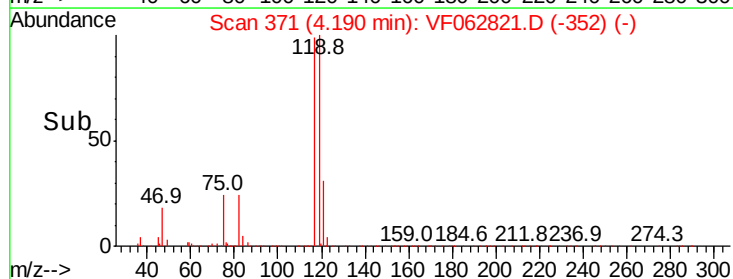
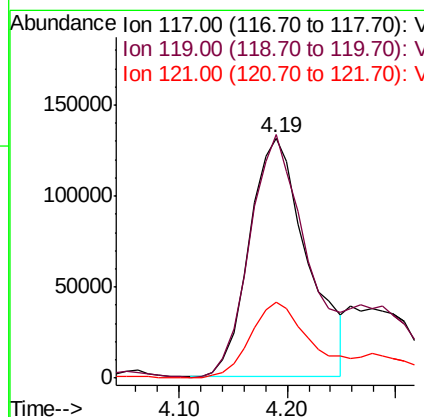
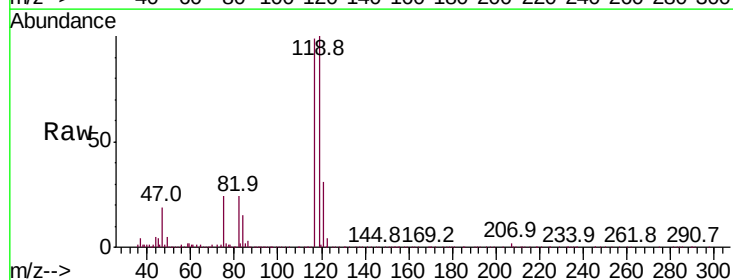
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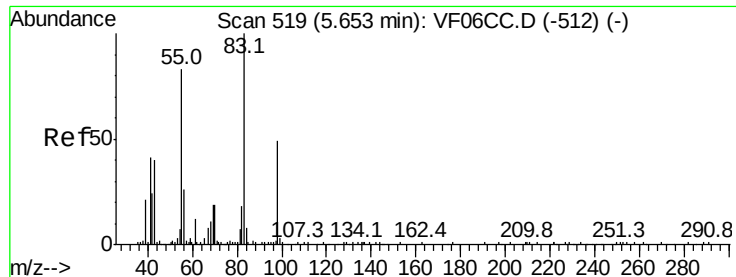
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#38
Carbon Tetrachloride
Concen: 56.680 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.5	78.2	117.2
121	31.5	28.2	42.2





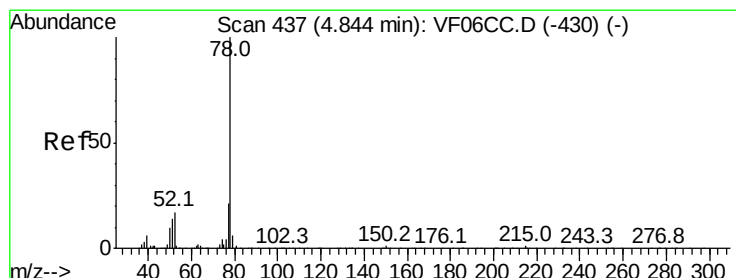
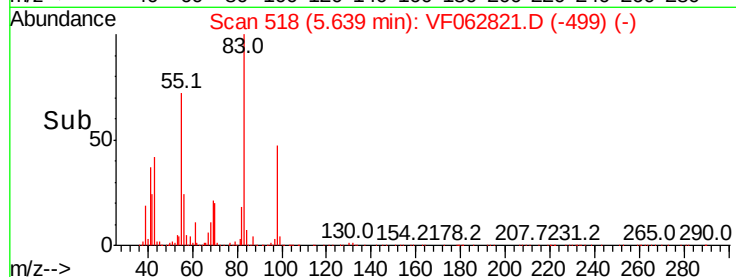
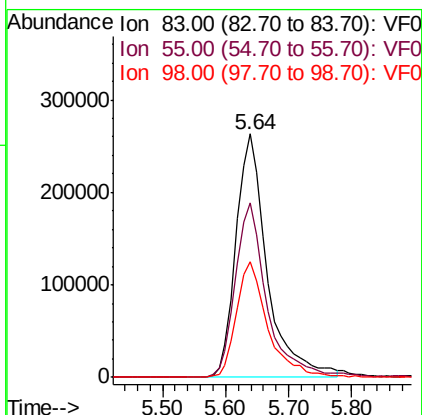
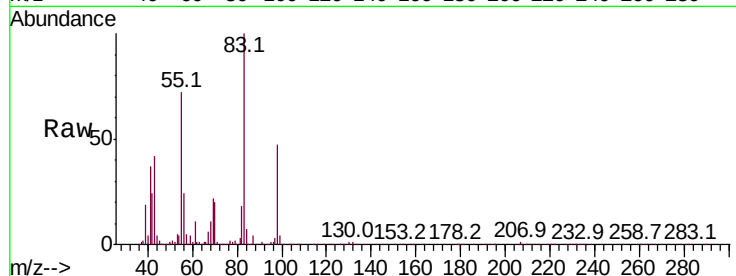
#39
Methylvlcyclohexane
Concen: 56.736 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	61.6	92.4
98	47.5	37.4	56.2

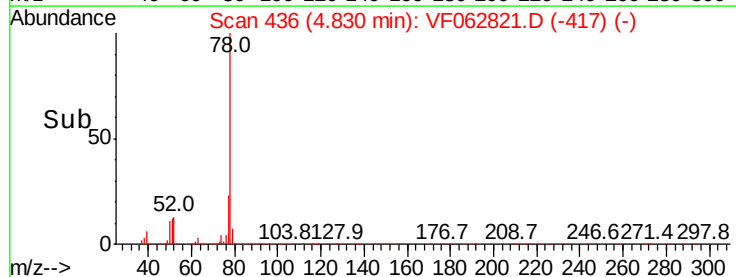
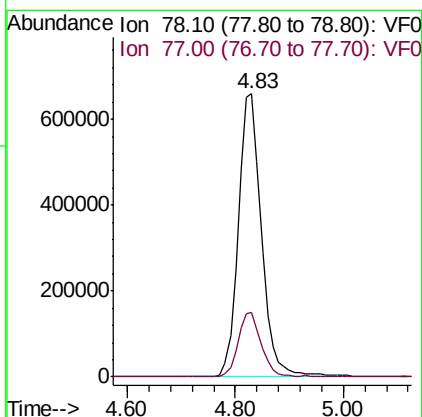
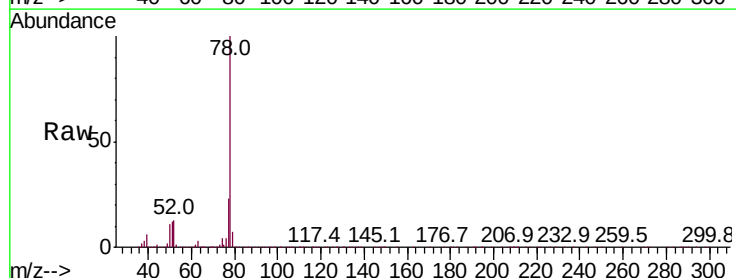
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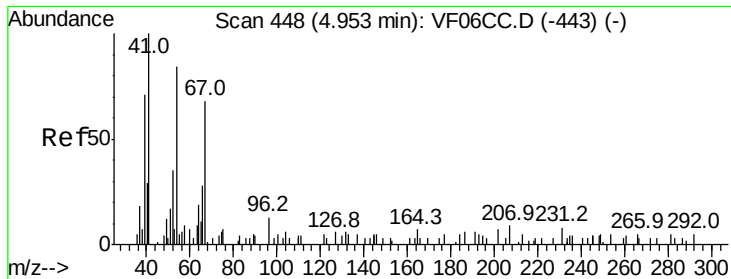
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#40
Benzene
Concen: 52.606 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.9	28.3





#41

Methacrylonitrile

Concen: 48.588 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

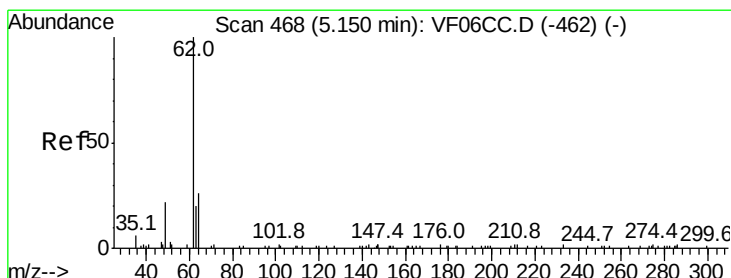
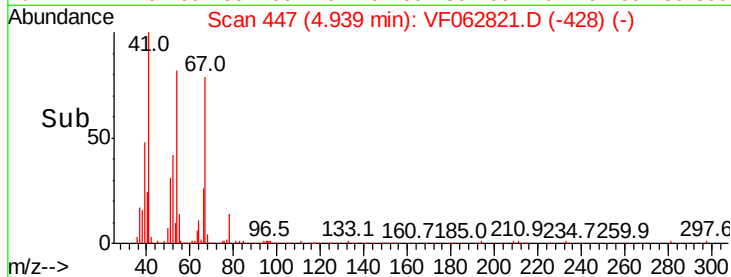
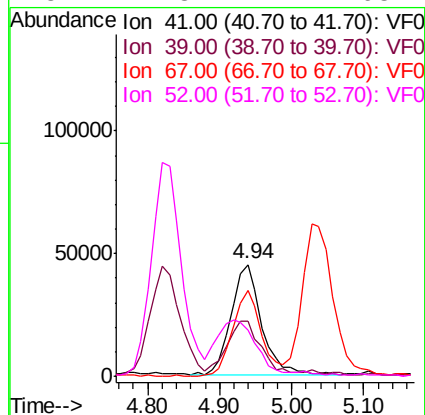
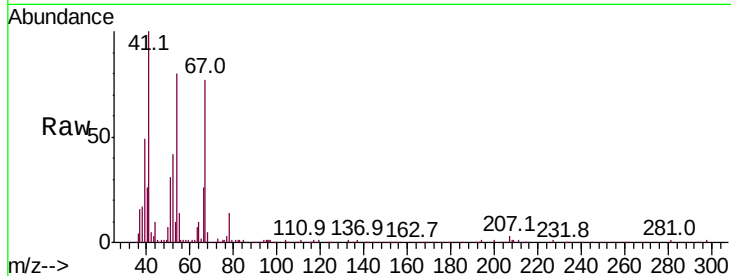
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.0	42.0	63.0
67	77.4	61.4	92.0
52	41.8	42.1	63.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.927 ug/l

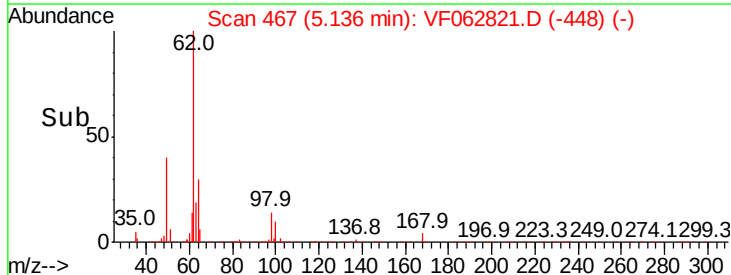
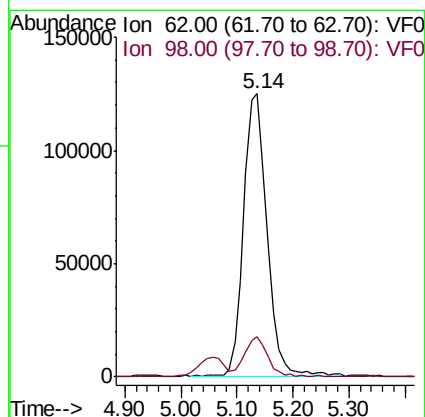
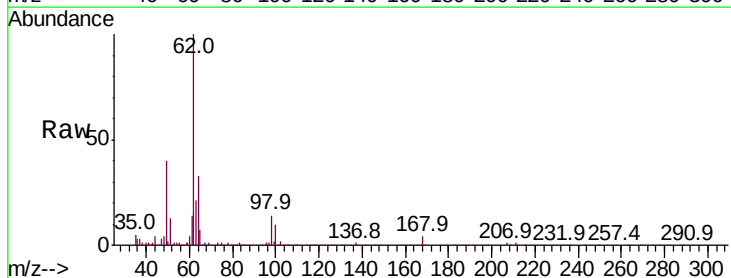
RT: 5.14 min Scan# 467

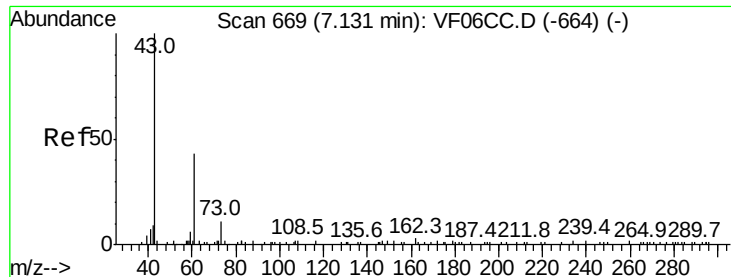
Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.2	0.0	24.0





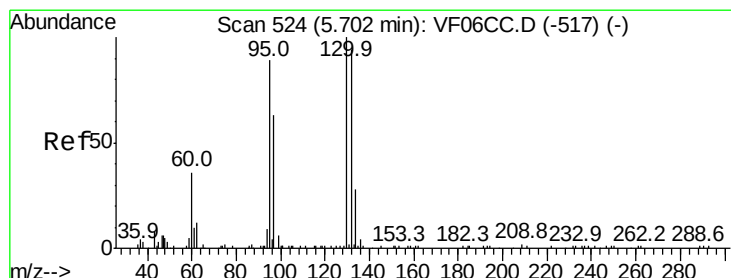
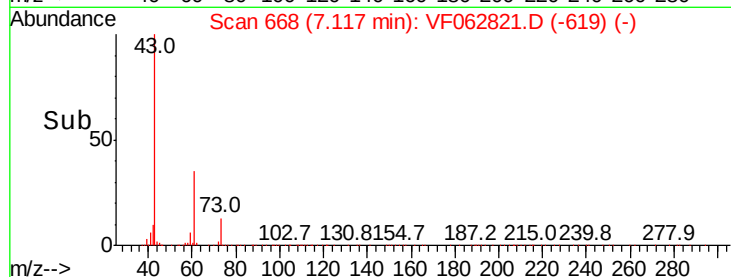
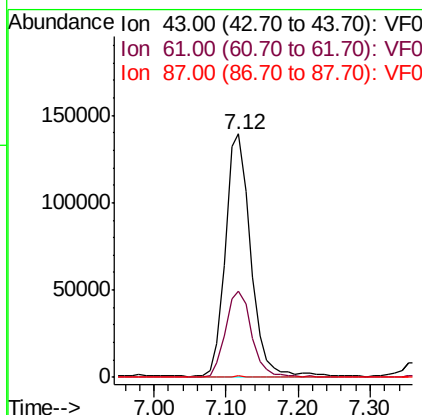
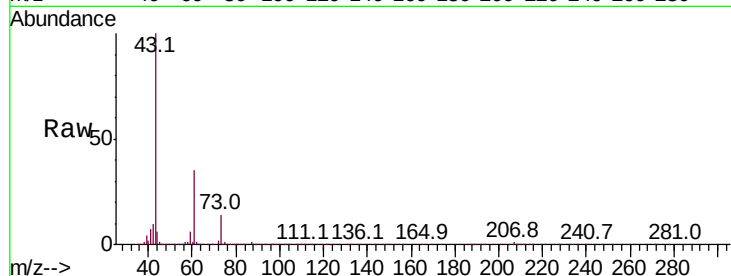
#43
Isopropyl Acetate
Concen: 52.491 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.2	29.8	44.6
87	0.7	0.3	0.5

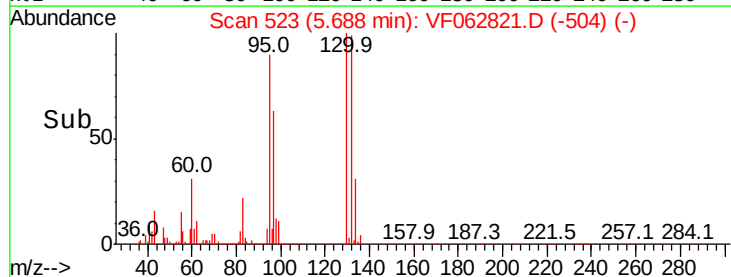
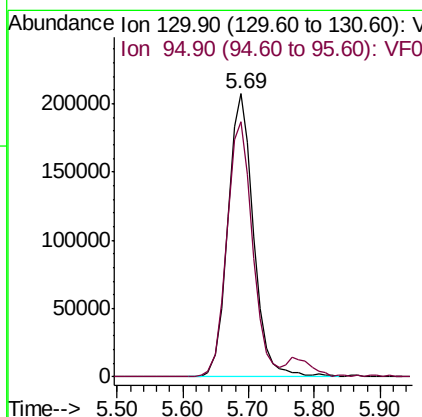
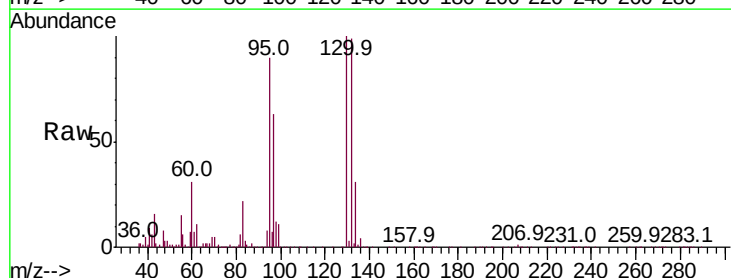
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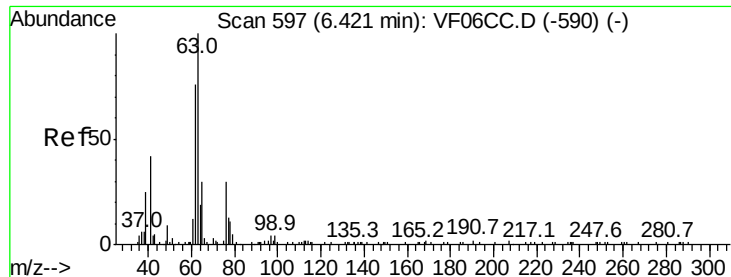
MMDadoda
6/4/2019 12:15:37 PM



#44
Trichloroethene
Concen: 54.164 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	188.2





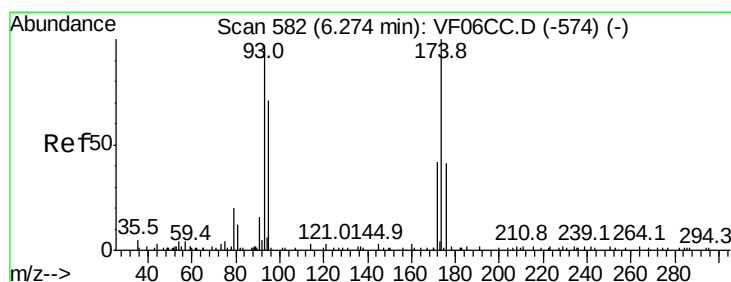
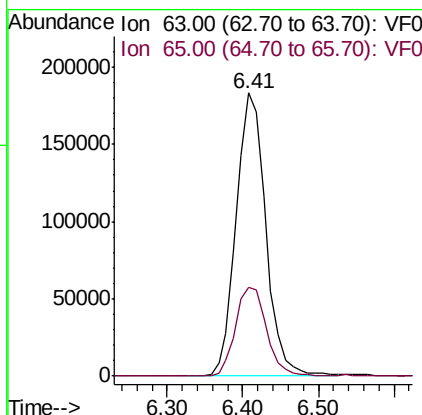
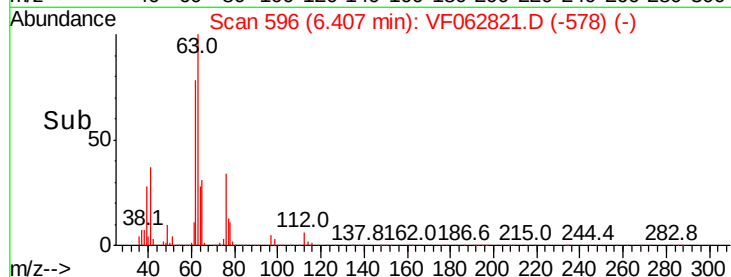
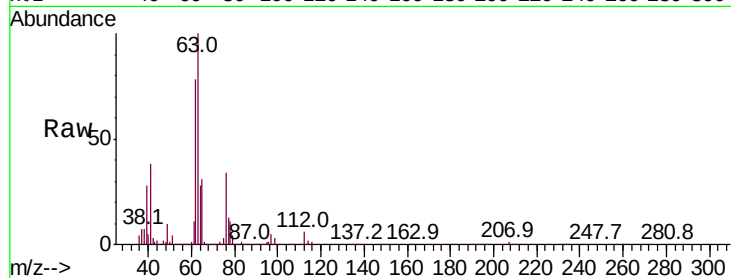
#45
 1,2-Dichloropropane
 Concen: 53.063 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. -0.03 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.2

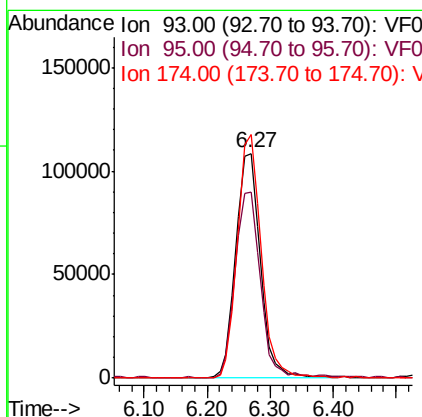
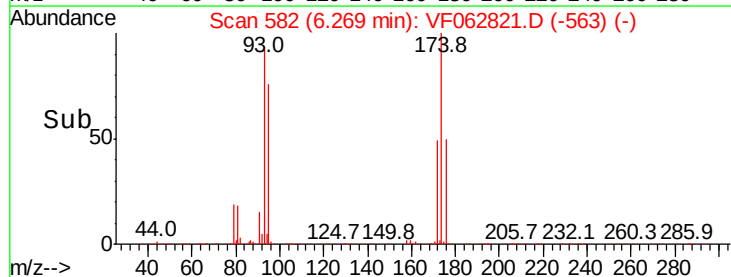
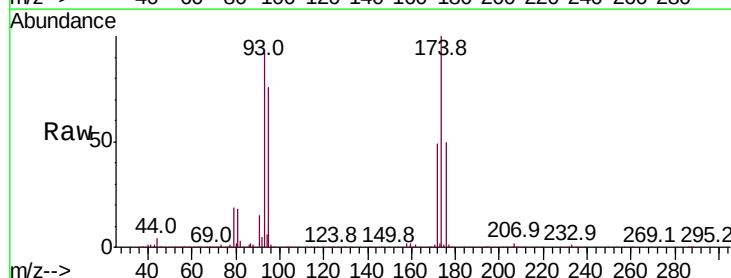
Manual Integrations
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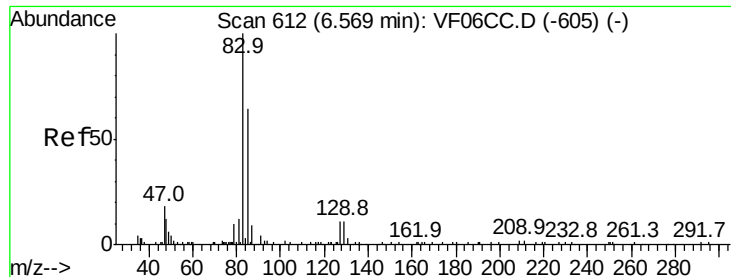
MMDadoda
 6/4/2019 12:15:37 PM



#46
 Dibromomethane
 Concen: 53.717 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.9	101.9
174	109.9	85.0	127.4





#47

Bromodichloromethane

Concen: 52.005 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

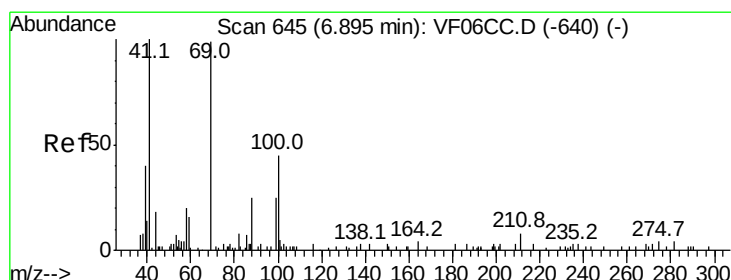
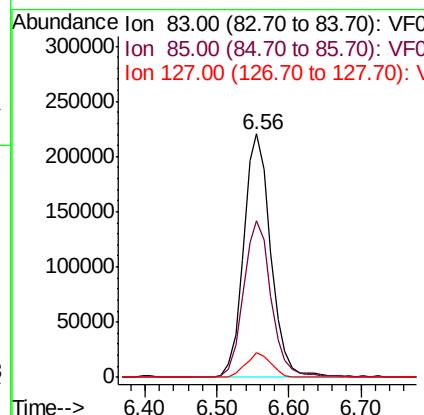
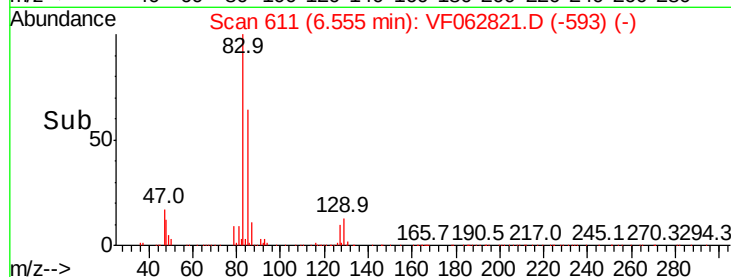
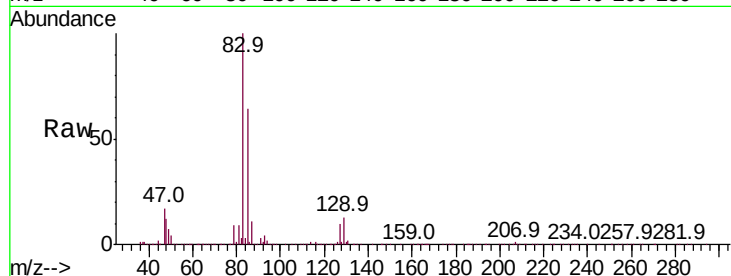
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	576419
Ion	Ratio	Lower	Upper
83	100		
85	64.2	54.2	81.4
127	10.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.976 ug/l

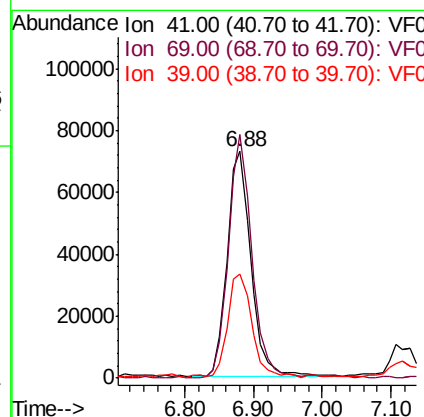
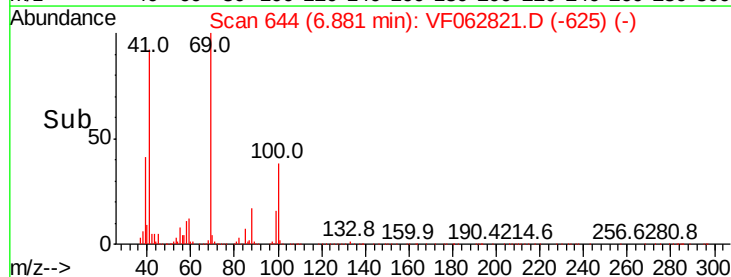
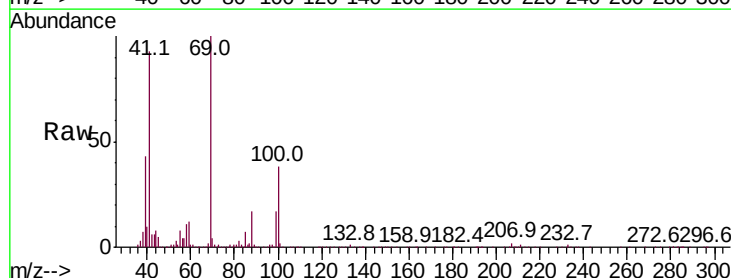
RT: 6.88 min Scan# 644

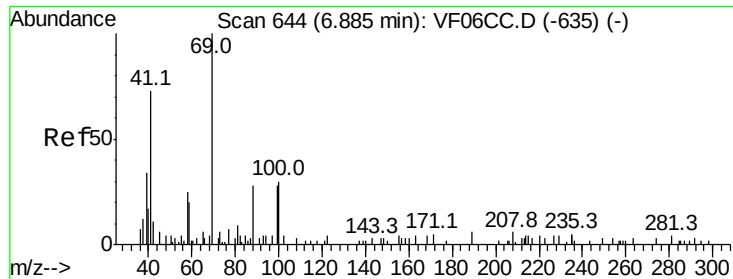
Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion:	41	Resp:	175968
Ion	Ratio	Lower	Upper
41	100		
69	107.6	79.4	119.2
39	45.9	39.8	59.6





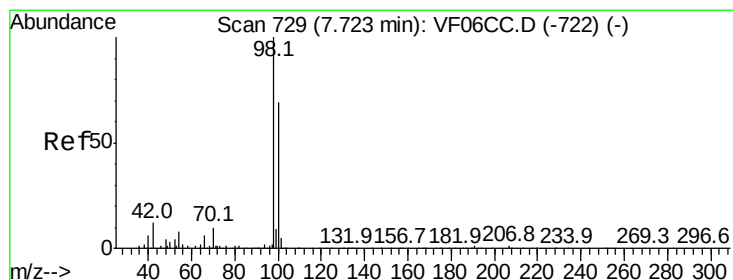
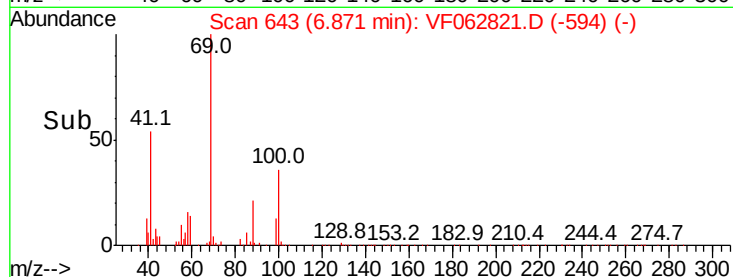
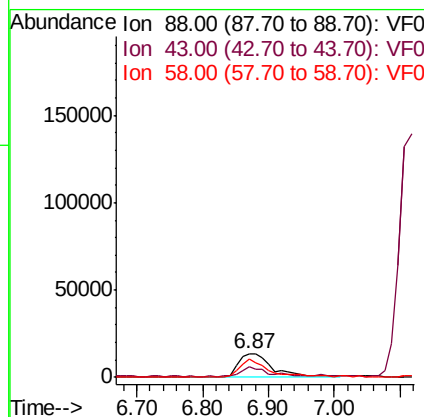
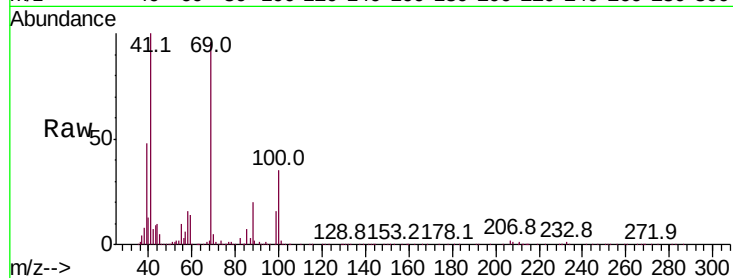
#49
1,4-Dioxane
Concen: 1177.254 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.1	34.8	52.2
58	80.6	59.9	89.9

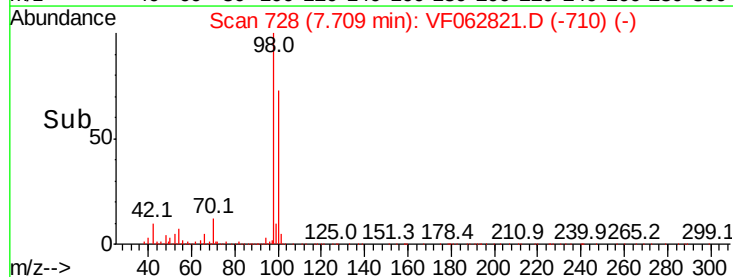
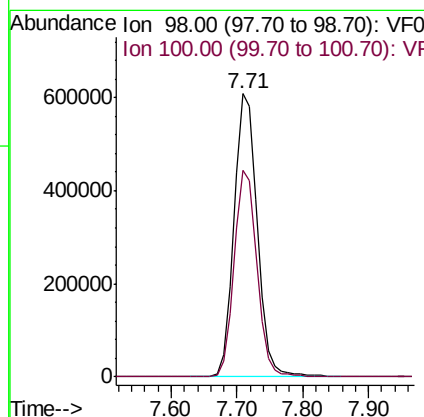
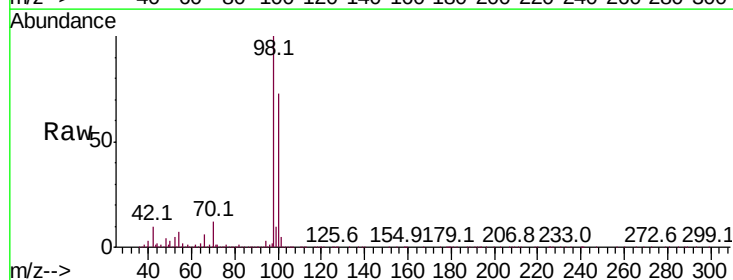
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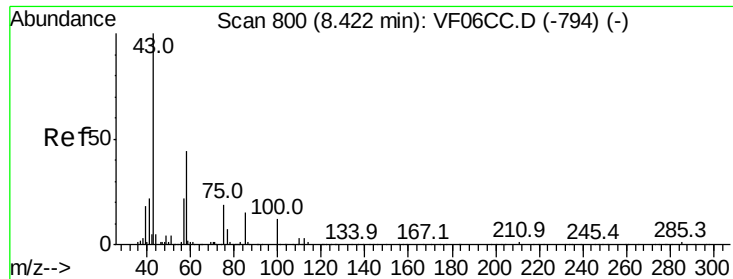
MMDadoda
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#50
Toluene-d8
Concen: 57.125 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.2	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 272.302 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1253007

Ion Ratio Lower Upper

43 100

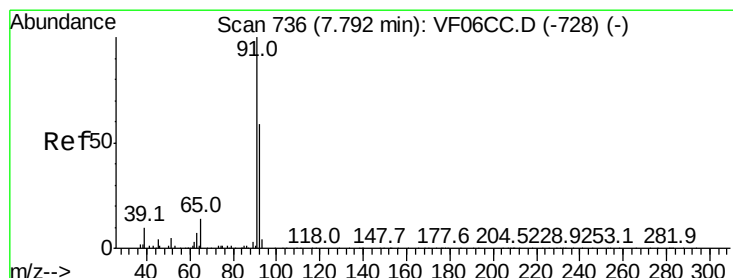
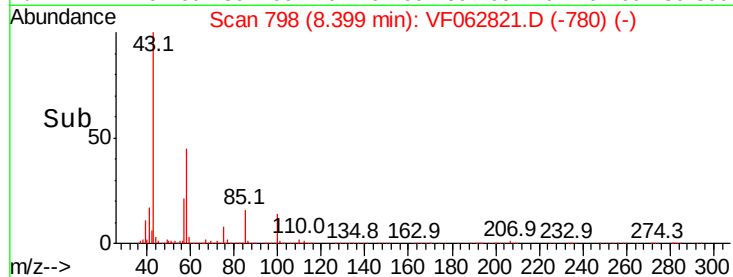
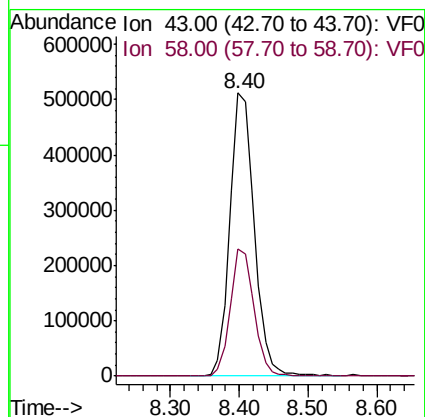
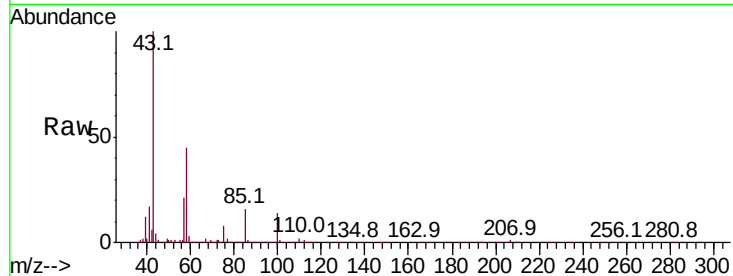
58 45.0 35.5 53.3

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#52

Toluene

Concen: 58.586 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.03 min

Lab File: VF062821.D

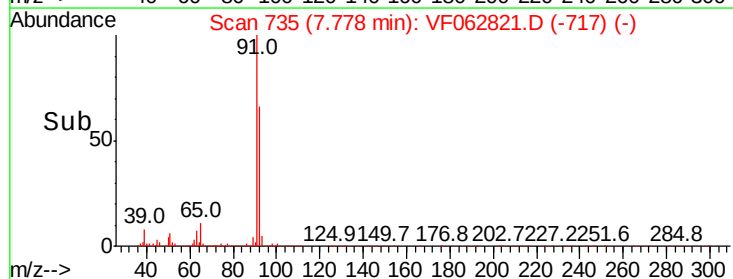
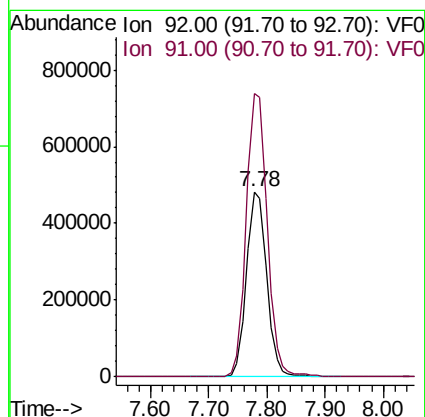
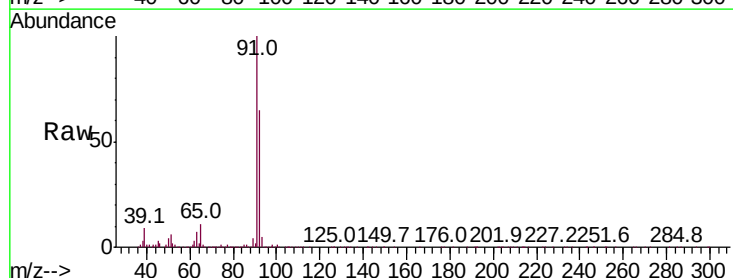
Acq: 3 Jun 2019 10:56

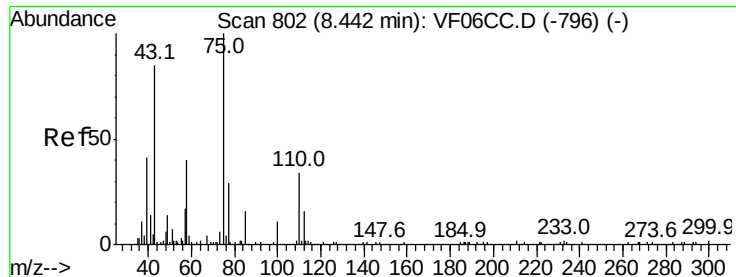
Tgt Ion: 92 Resp: 1172160

Ion Ratio Lower Upper

92 100

91 152.8 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 57.745 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 530371

Ion Ratio Lower Upper

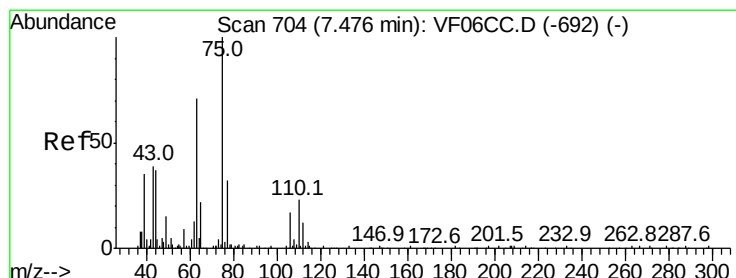
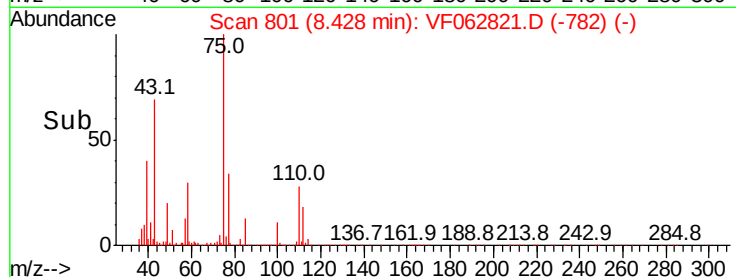
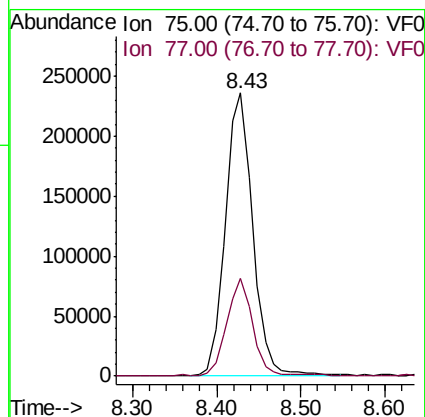
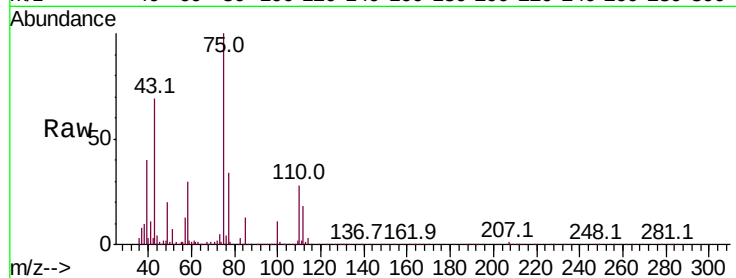
75 100

77 34.4 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 53.731 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

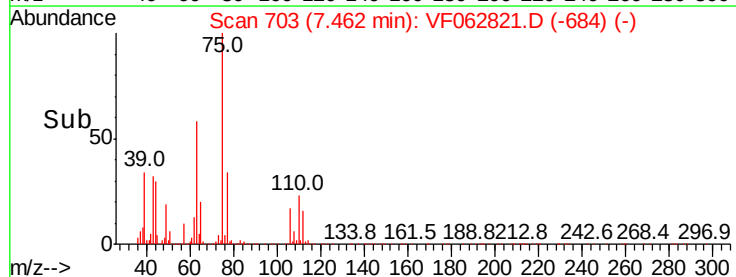
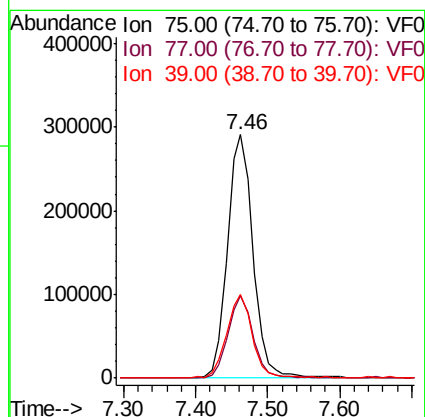
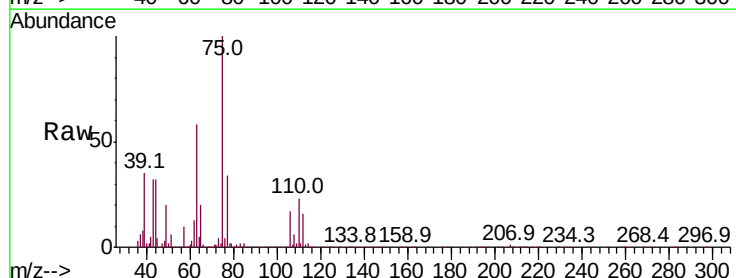
Tgt Ion: 75 Resp: 714346

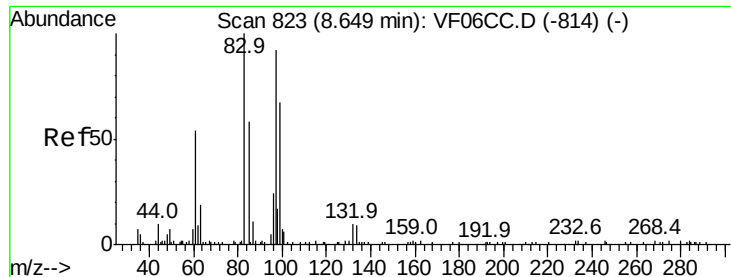
Ion Ratio Lower Upper

75 100

77 33.8 25.8 38.8

39 34.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 56.220 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

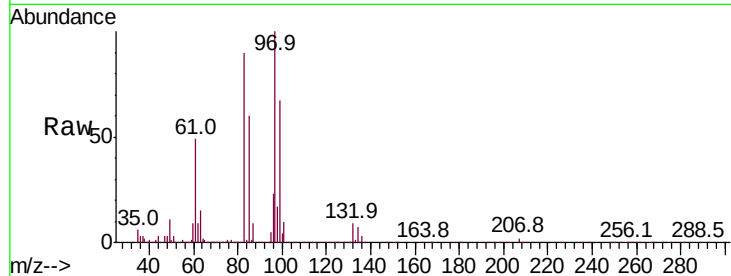
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	336041
Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.0	108.0
85	60.2	47.5	71.3
99	66.6	54.1	81.1

Manual Integrations
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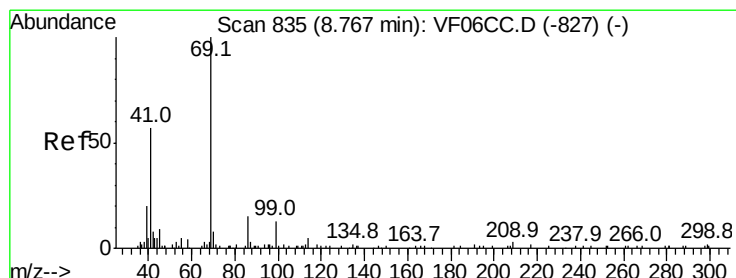
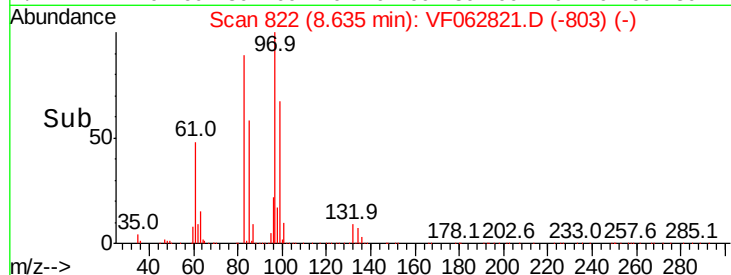
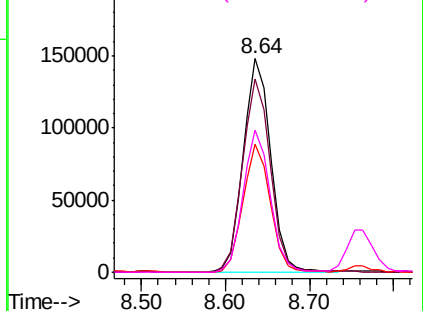


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 59.437 ug/l

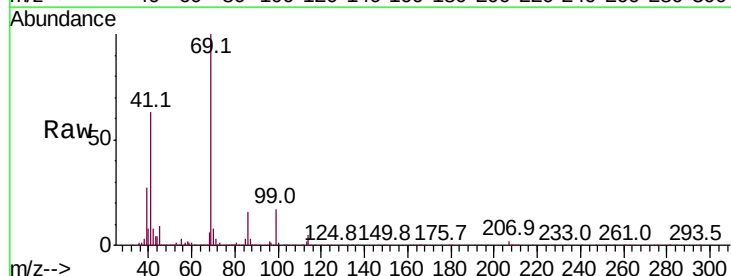
RT: 8.75 min Scan# 834

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

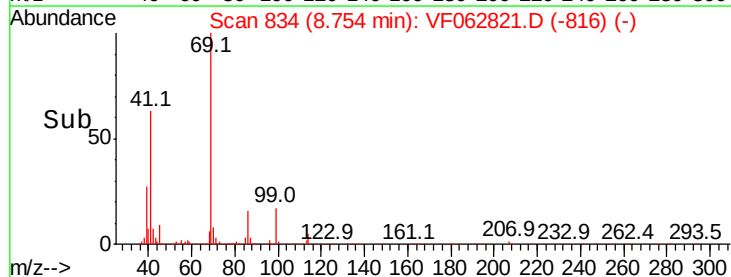
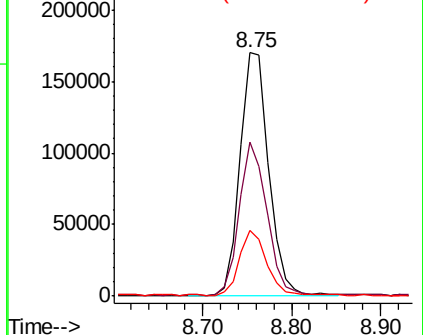
Tgt Ion:	69	Resp:	381193
Ion	Ratio	Lower	Upper
69	100		
41	63.3	46.6	69.8
39	27.2	19.6	29.4

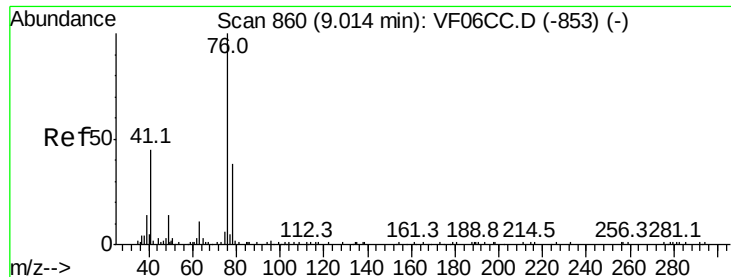


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





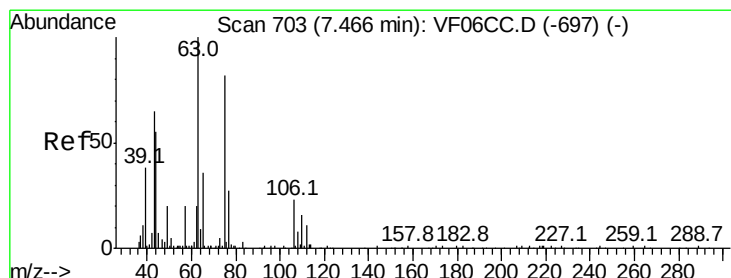
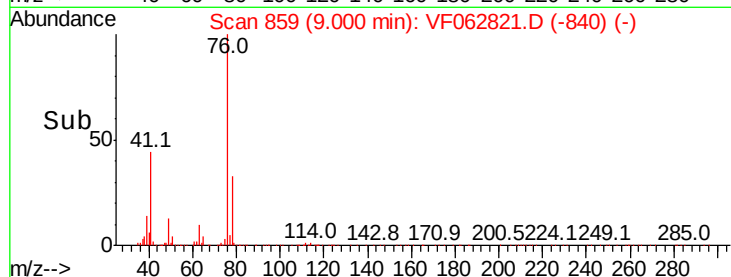
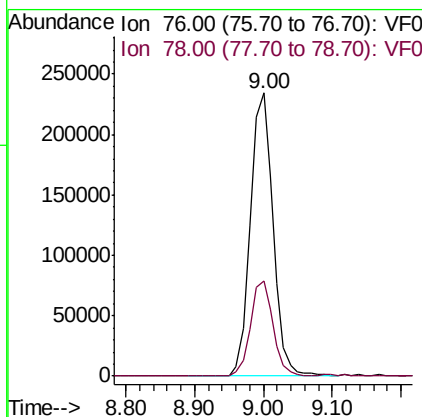
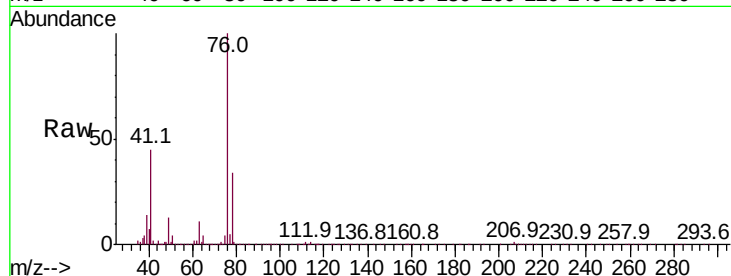
#57
 1,3-Dichloropropane
 Concen: 55.241 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.8	40.2

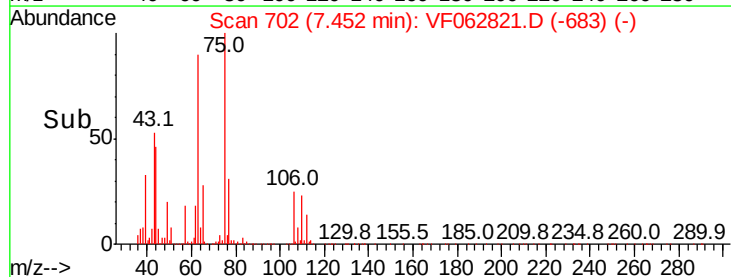
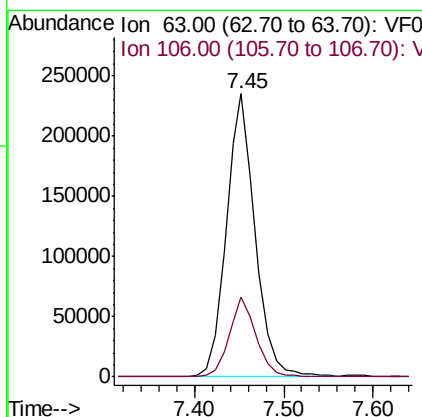
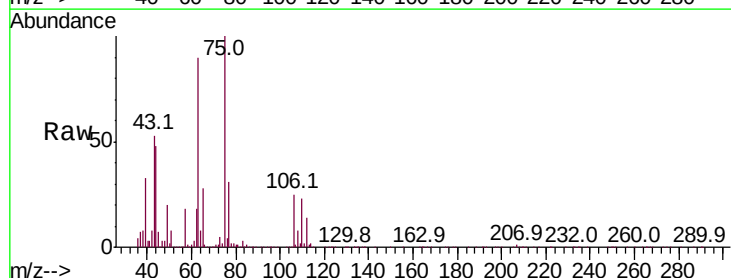
Manual Integrations
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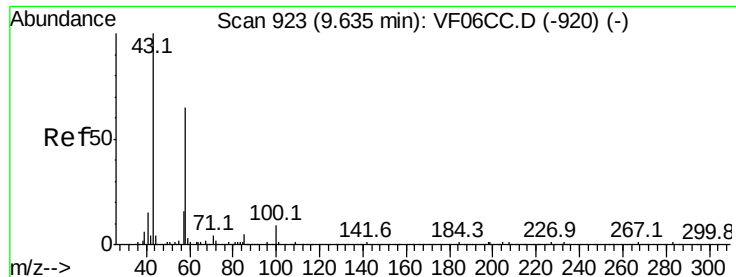
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 235.641 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	19.5	29.3





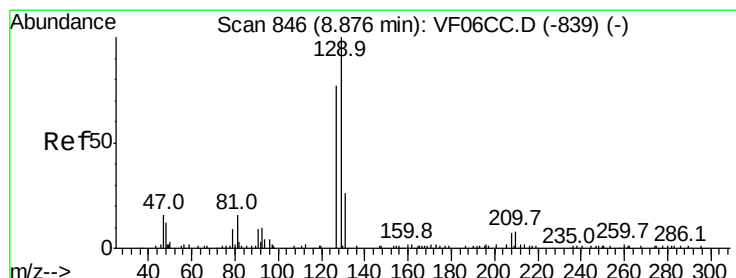
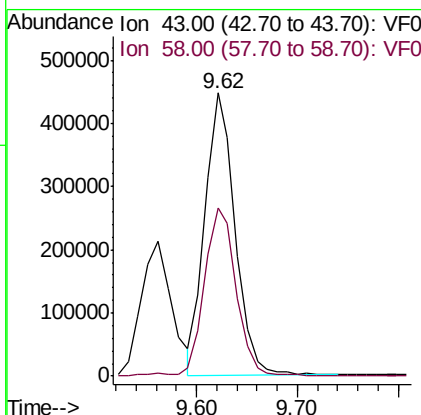
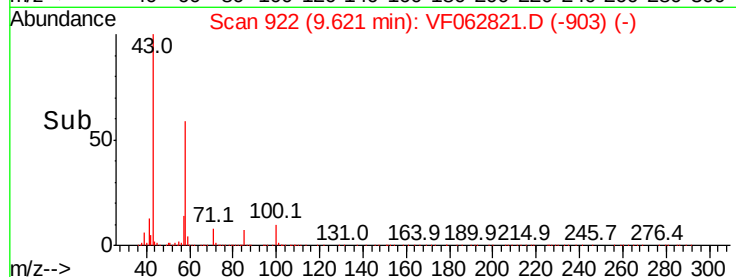
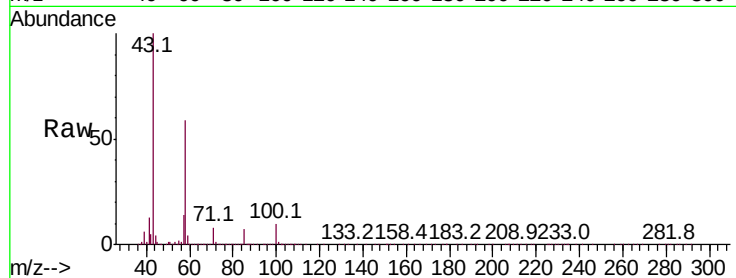
#59
2-Hexanone
Concen: 282.256 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 925752
Ion Ratio Lower Upper
43 100
58 59.4 29.3 87.9

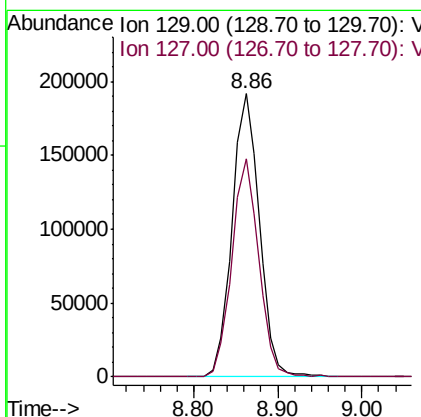
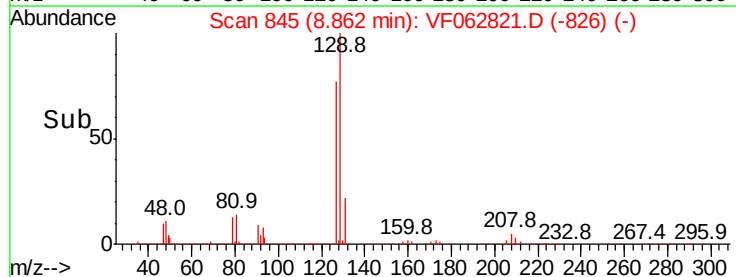
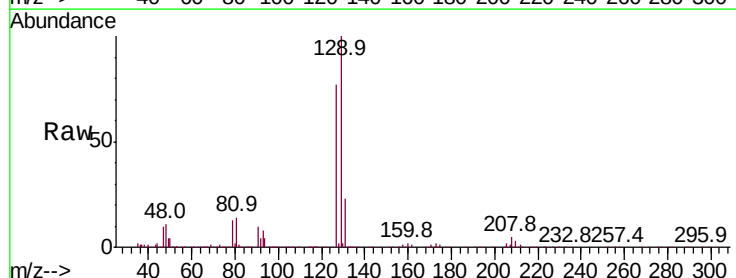
Manual Integrations
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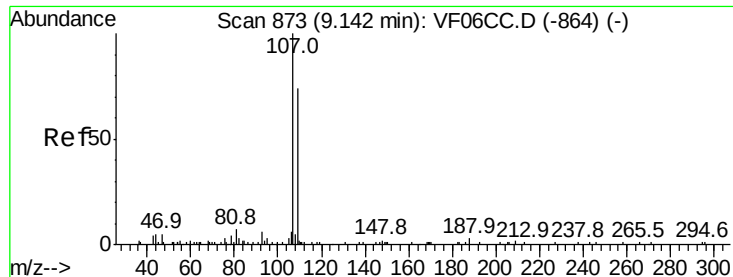
MMDadoda
6/4/2019 12:15:37 PM



#60
Dibromochloromethane
Concen: 58.641 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 129 Resp: 433953
Ion Ratio Lower Upper
129 100
127 77.3 37.1 111.3





#61

1,2-Dibromoethane

Concen: 56.504 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 350758

Ion Ratio Lower Upper

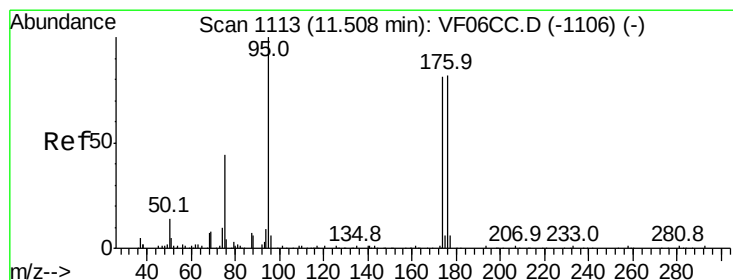
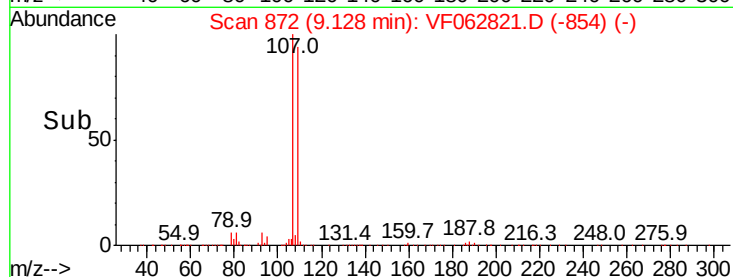
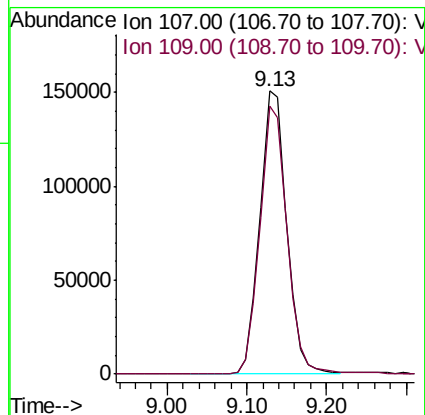
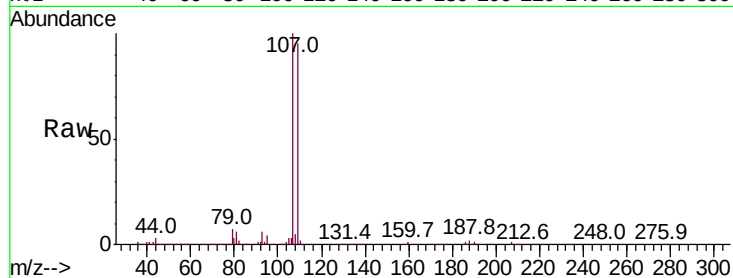
107 100

109 94.6 78.1 117.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 55.889 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

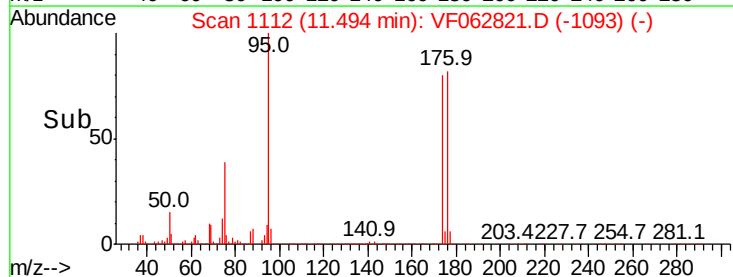
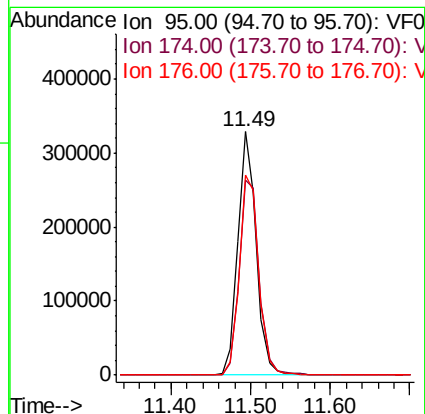
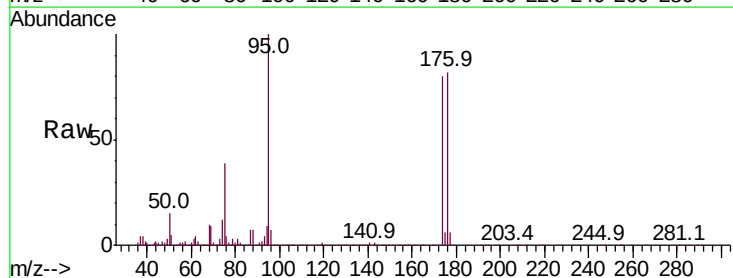
Tgt Ion: 95 Resp: 532620

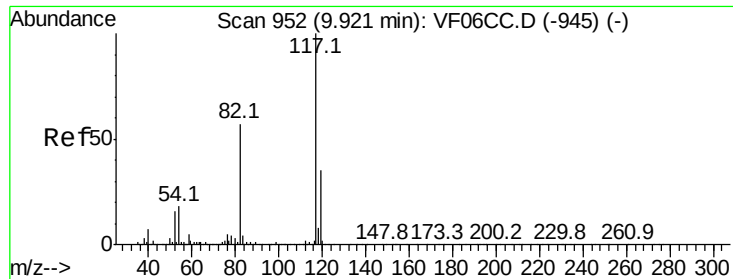
Ion Ratio Lower Upper

95 100

174 80.3 0.0 170.6

176 82.3 0.0 170.6





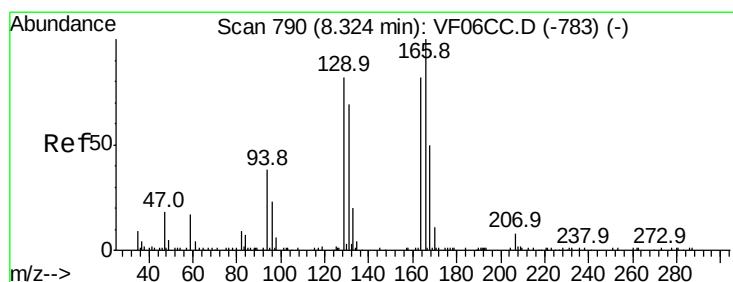
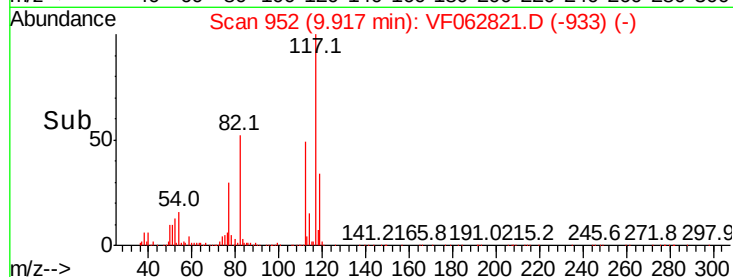
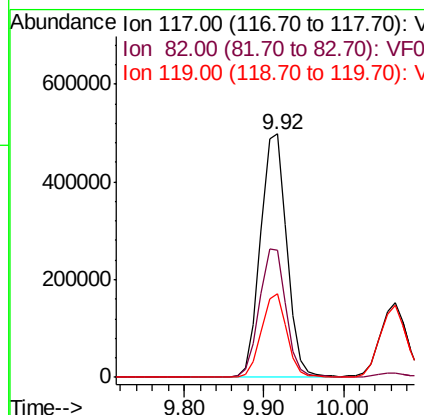
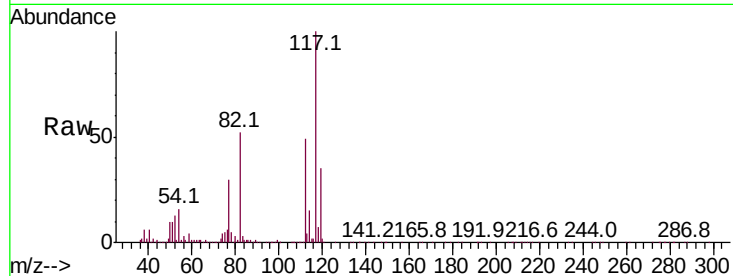
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.4	63.6
119	34.5	27.1	40.7

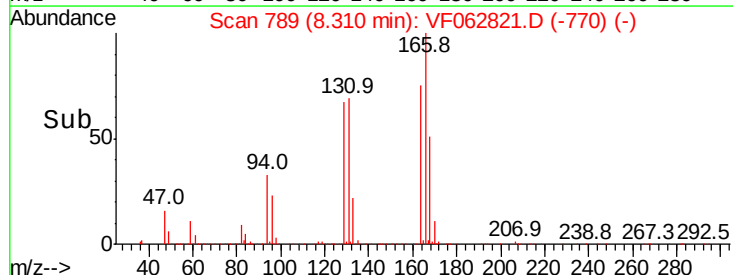
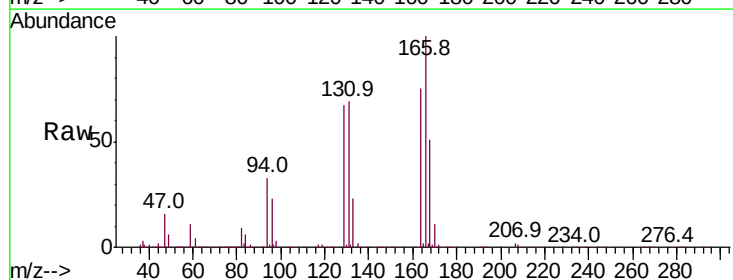
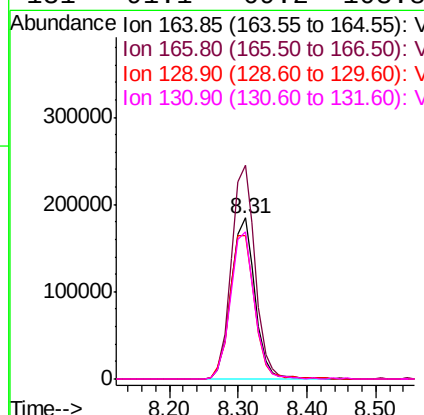
Manual Integrations
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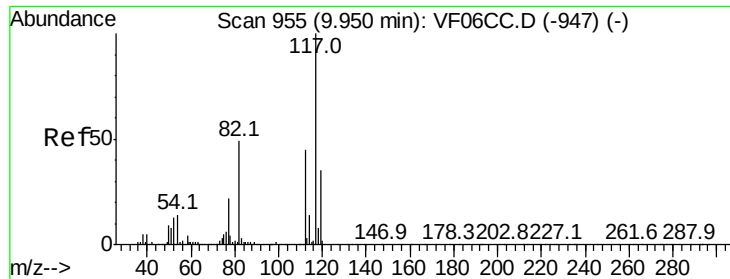
MMDadoda
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#64
Tetrachloroethene
Concen: 50.722 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.5	99.1	148.7
129	88.9	69.5	104.3
131	91.1	69.2	103.8





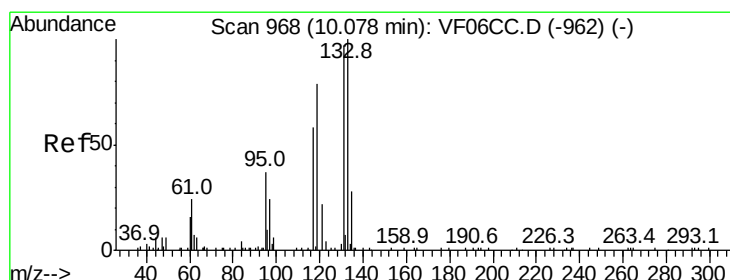
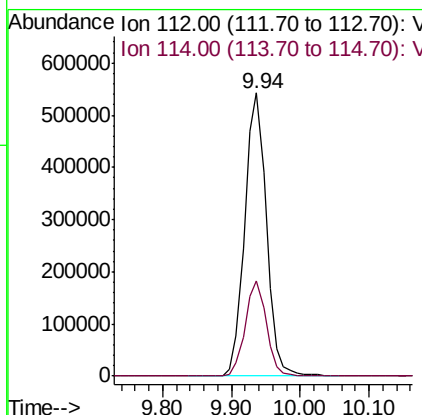
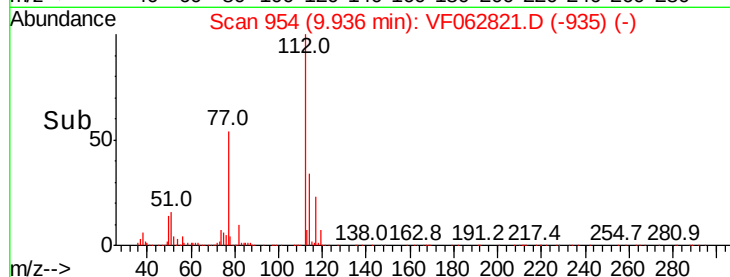
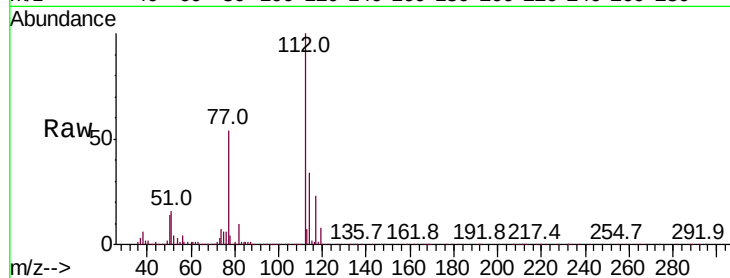
#65
Chlorobenzene
Concen: 54.055 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1184545
Ion Ratio Lower Upper
112 100
114 33.7 27.4 41.0

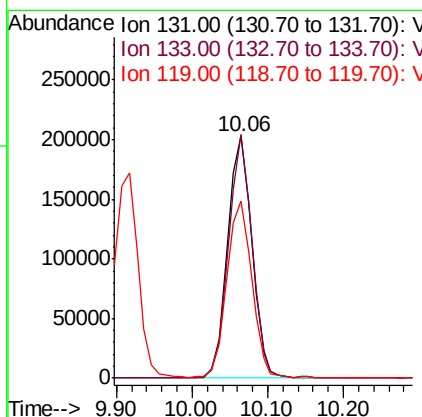
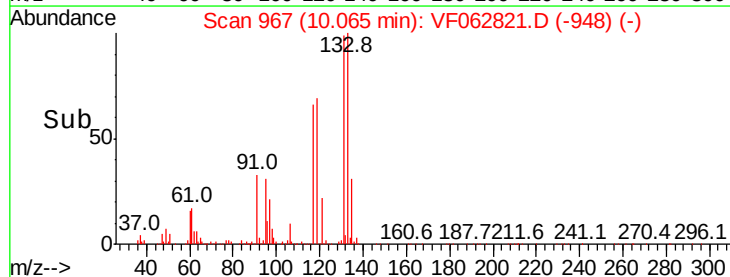
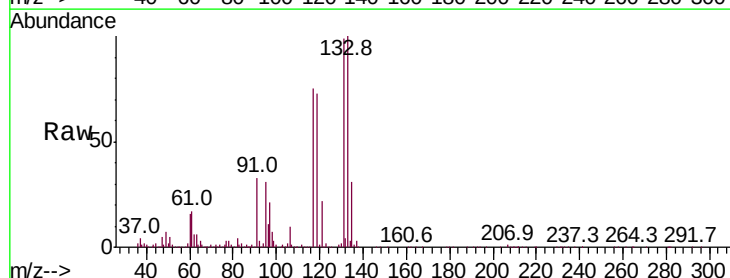
Manual Integrations
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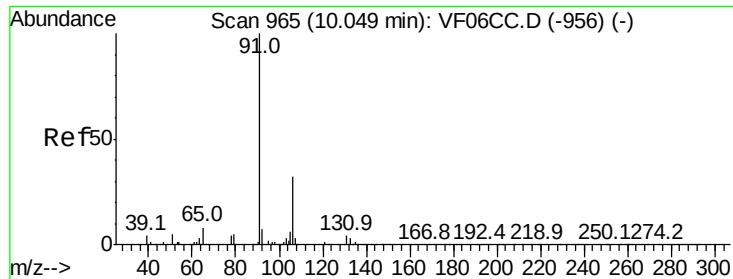
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.785 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion:131 Resp: 451949
Ion Ratio Lower Upper
131 100
133 100.7 48.9 146.7
119 73.4 38.0 114.0





#67

Ethyl Benzene

Concen: 52.410 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tot Ion: 91 Resp: 1970863

Ion Ratio Lower Upper

91 100

106 34.4 26.0 39.0

Instrument :

MSVOA_F

ClientSampleId :

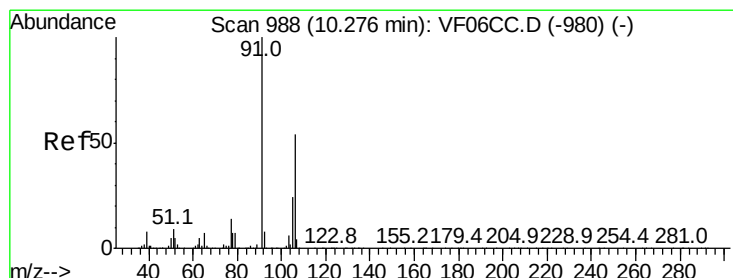
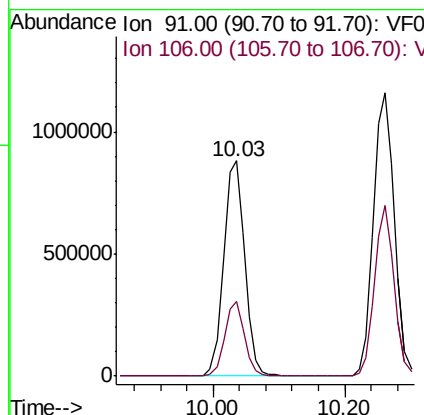
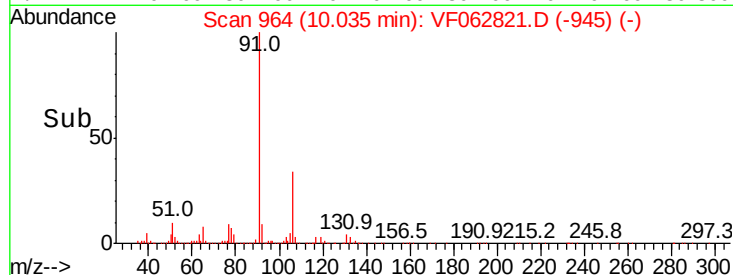
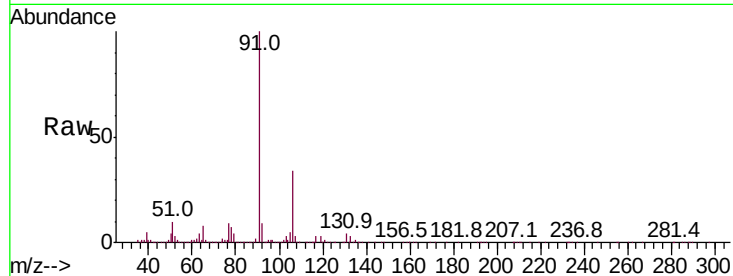
VSTDCCC050

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.533 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF062821.D

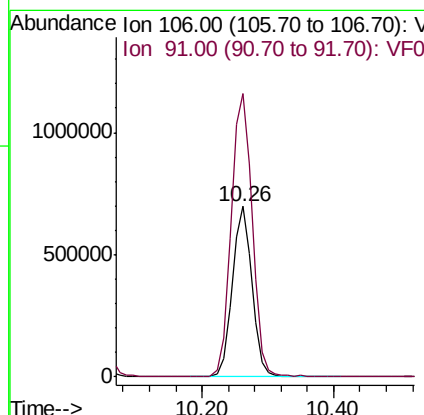
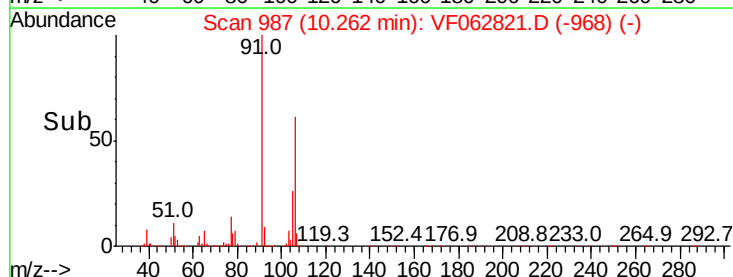
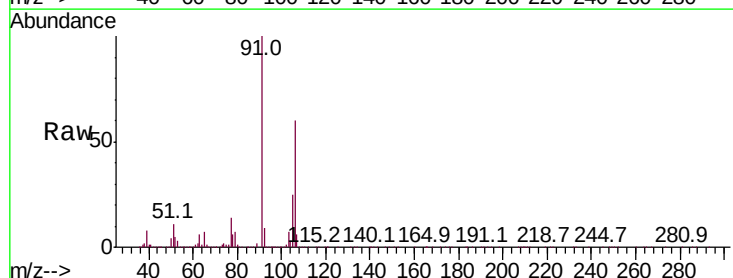
Acq: 3 Jun 2019 10:56

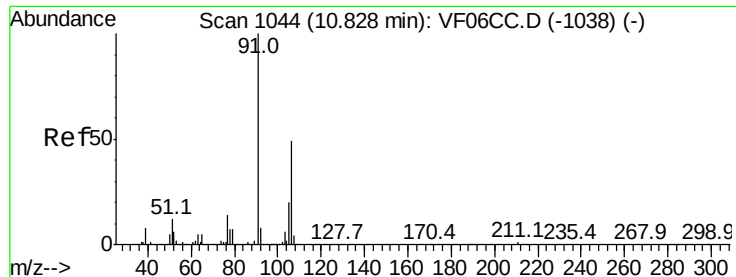
Tgt Ion: 106 Resp: 1461062

Ion Ratio Lower Upper

106 100

91 166.2 136.2 204.4





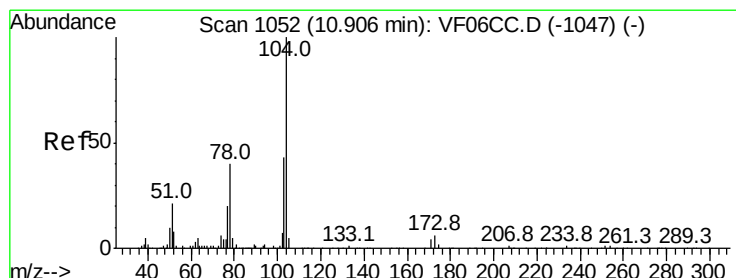
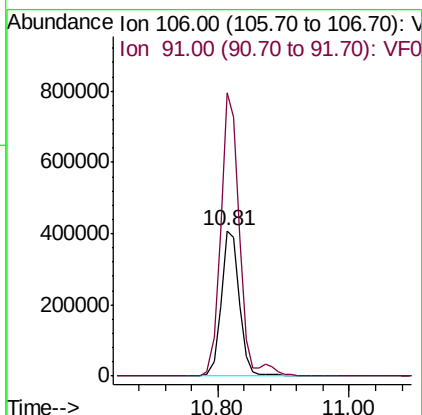
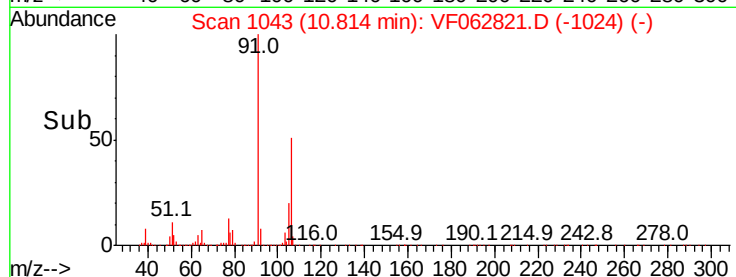
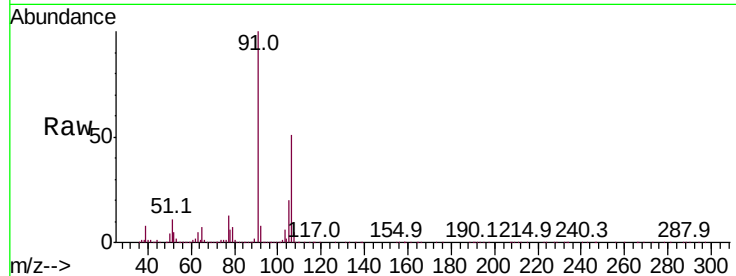
#69
o-Xylene
Concen: 53.708 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	194.6	96.6	289.8

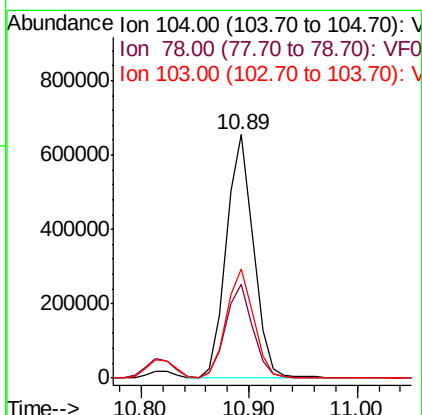
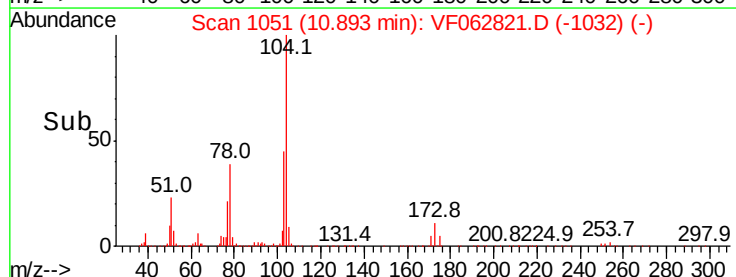
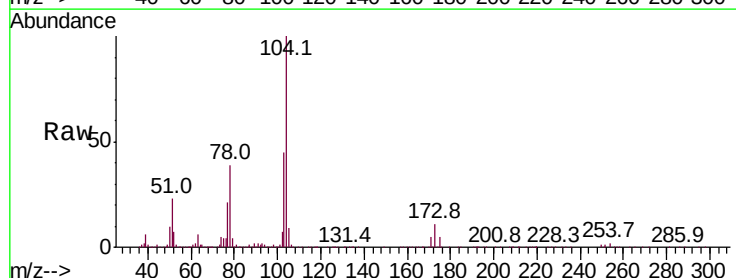
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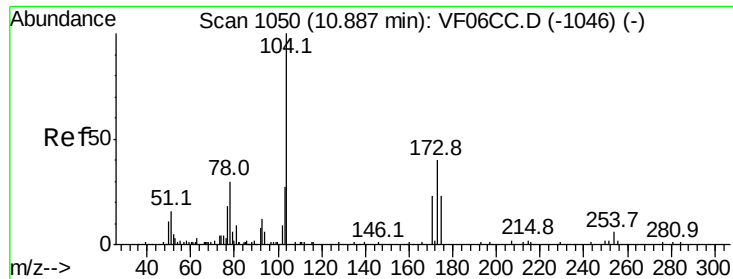
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#70
Styrene
Concen: 52.940 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.6	30.8	46.2
103	44.7	35.8	53.6





#71

Bromoform

Concen: 54.761 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 229265

Ion Ratio Lower Upper

173 100

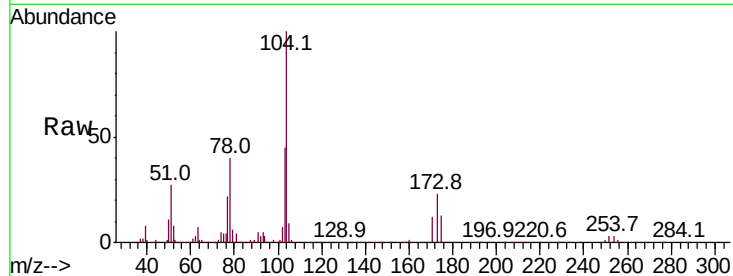
175 54.7 24.6 74.0

254 0.3 0.1 0.1#

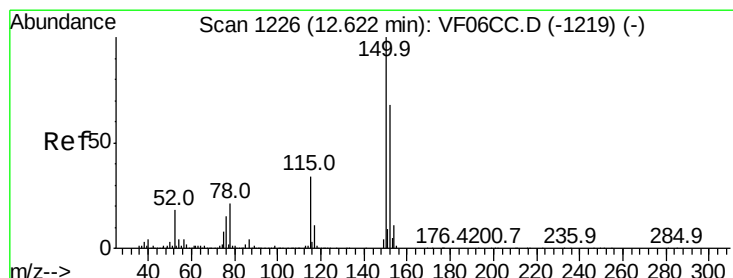
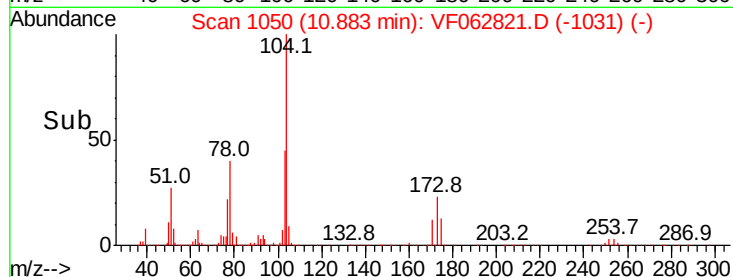
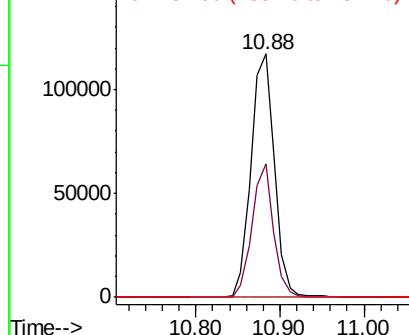
Manual Integrations
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

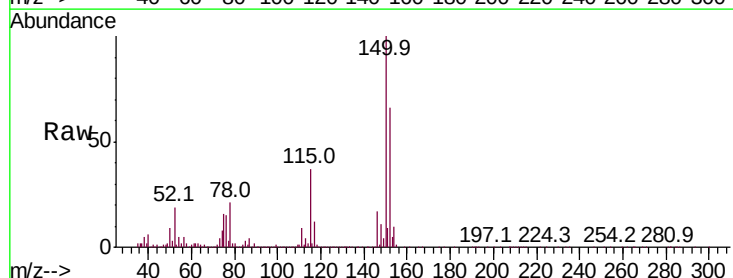
Tgt Ion:152 Resp: 587485

Ion Ratio Lower Upper

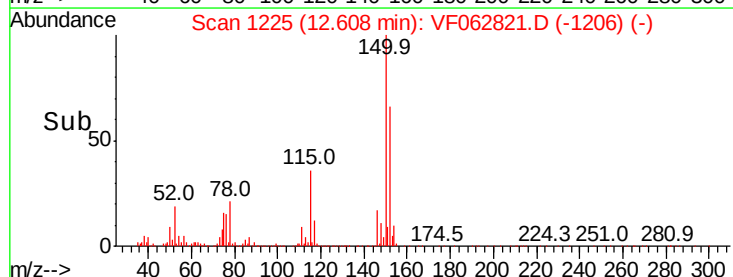
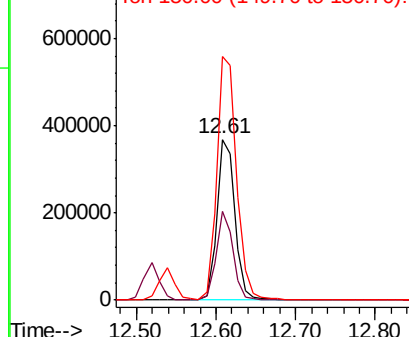
152 100

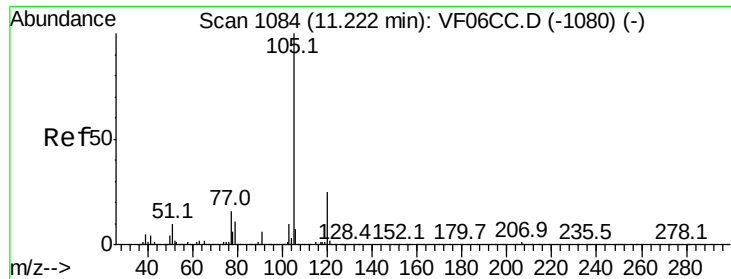
115 55.4 24.6 74.0

150 151.7 0.0 290.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





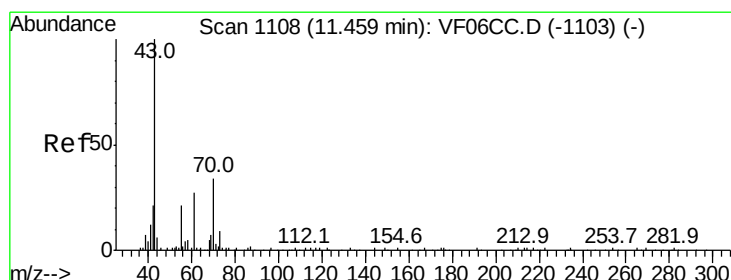
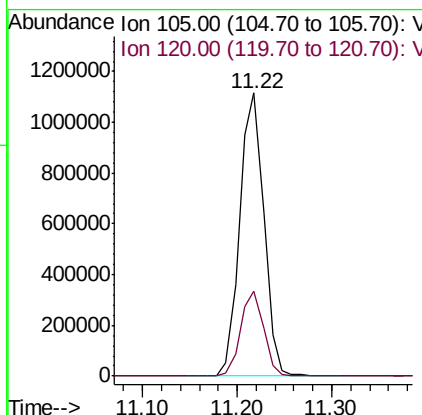
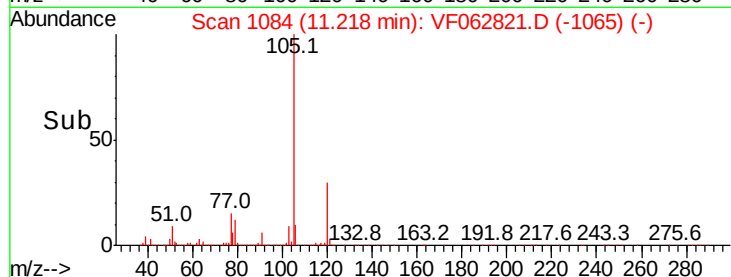
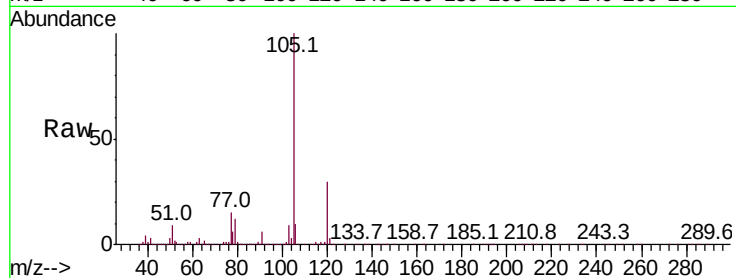
#73
Isopropylbenzene
Concen: 48.104 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1971902
Ion Ratio Lower Upper
105 100
120 30.0 15.1 45.3

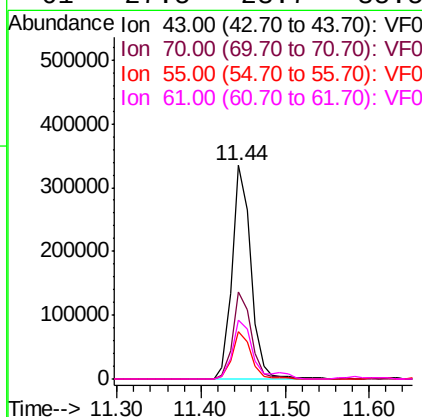
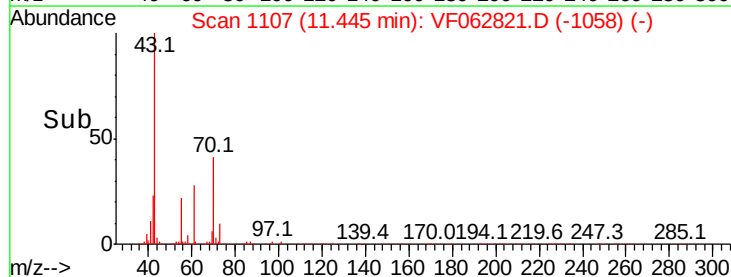
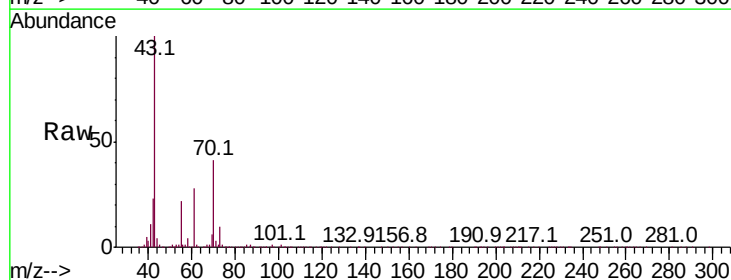
Manual Integrations
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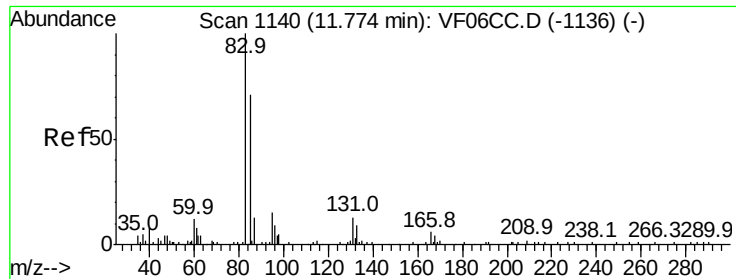
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#74
N-ethyl acetate
Concen: 44.933 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 43 Resp: 519132
Ion Ratio Lower Upper
43 100
70 40.6 32.9 49.3
55 22.5 17.3 25.9
61 27.5 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.376 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

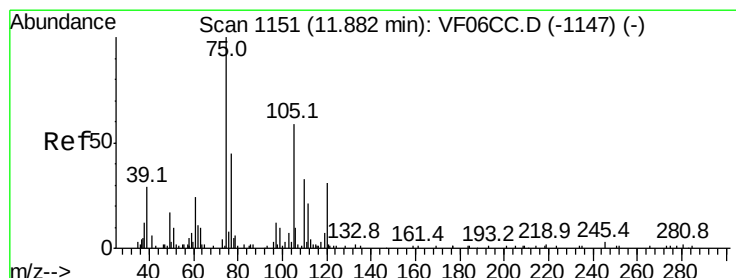
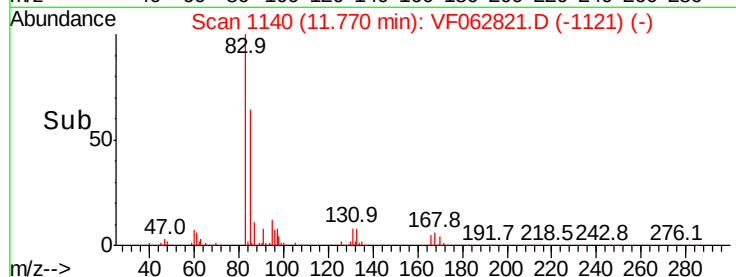
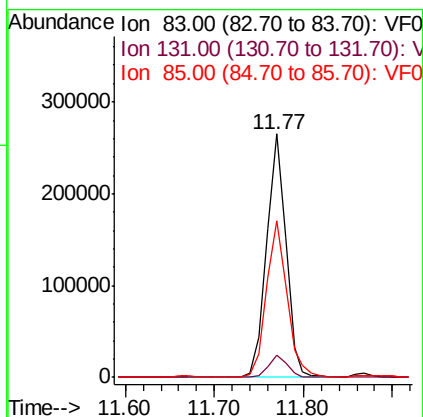
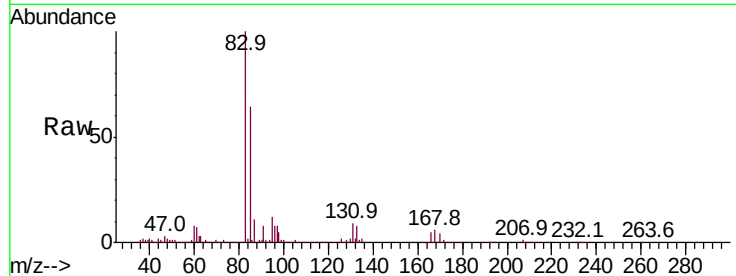
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	397223
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.9	14.7
85	64.2	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.808 ug/l

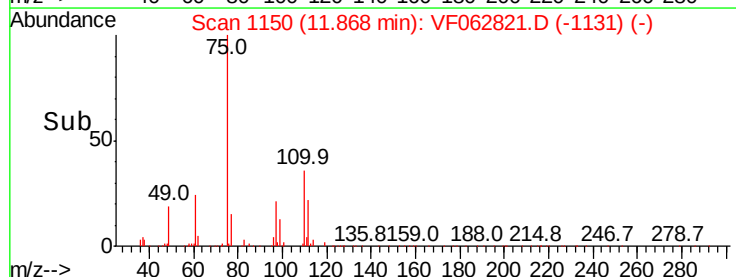
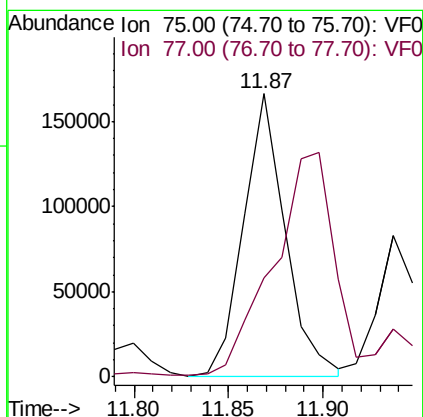
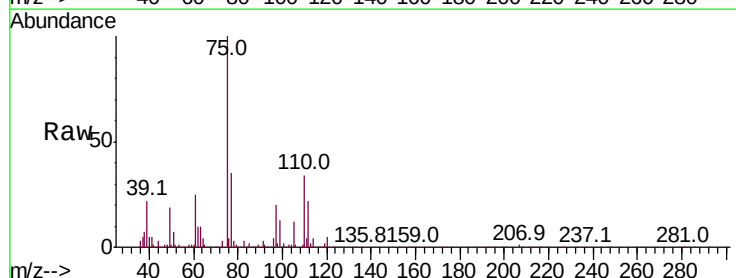
RT: 11.87 min Scan# 1150

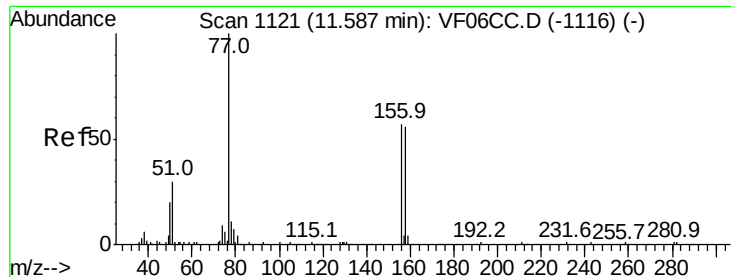
Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion:	75	Resp:	254205
Ion Ratio	Lower	Upper	
75	100		
77	35.2	20.1	60.2





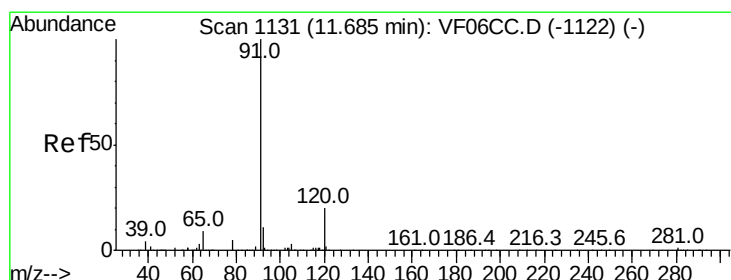
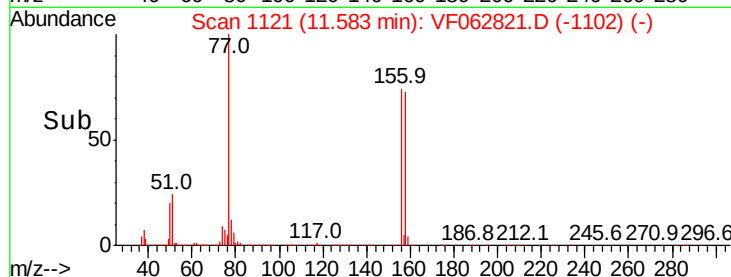
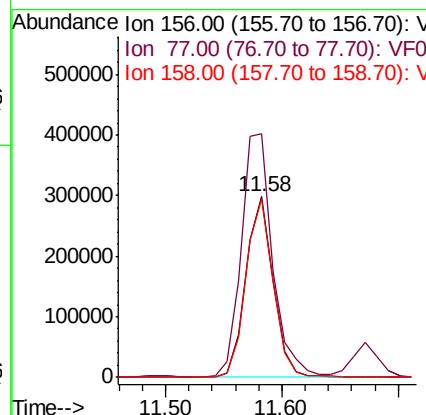
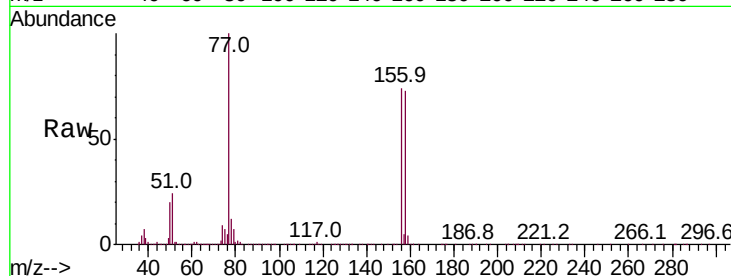
#77
Bromobenzene
Concen: 47.154 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.9	64.2	192.6
158	98.8	50.3	151.0

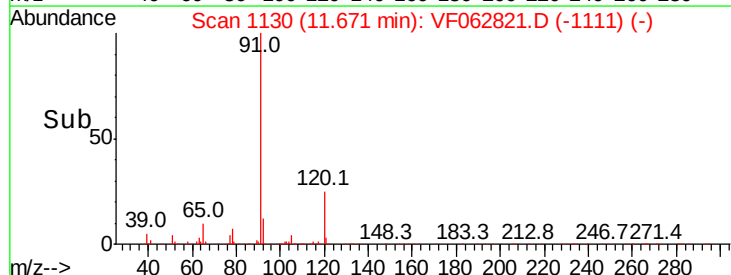
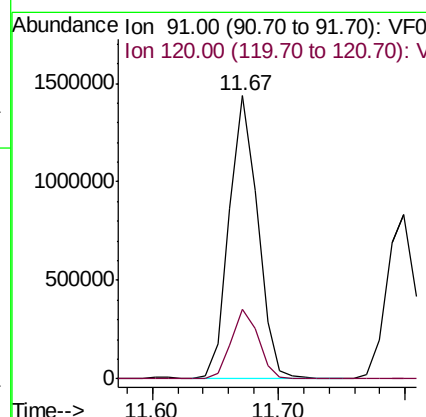
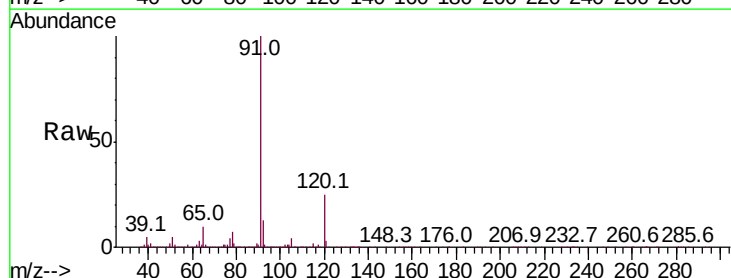
Manual Integrations
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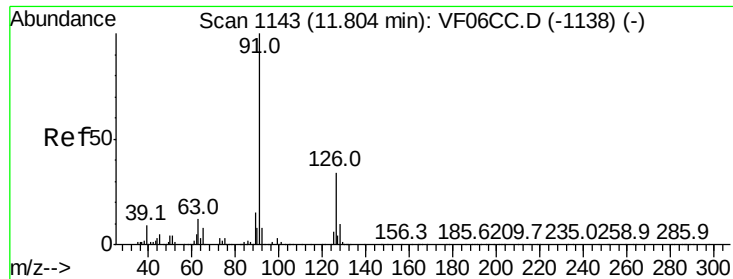
MMDadoda
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#78
n-propylbenzene
Concen: 45.341 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.8	38.4





#79

2-Chlorotoluene

Concen: 46.694 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1322430

Ion Ratio Lower Upper

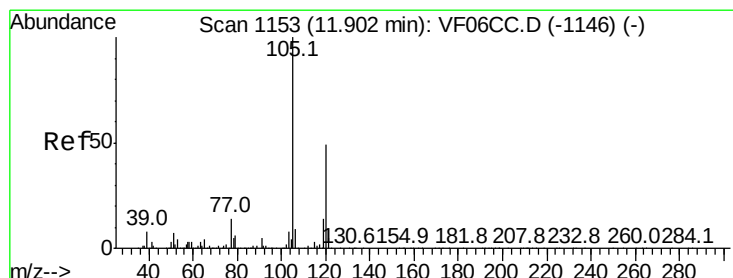
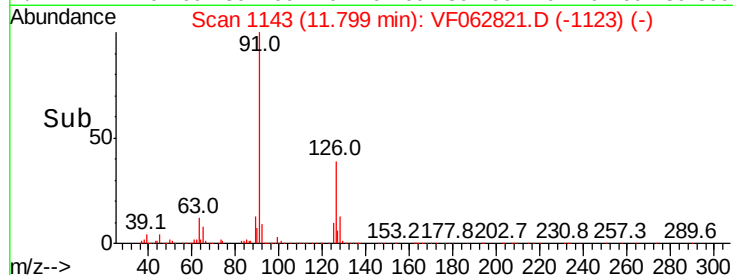
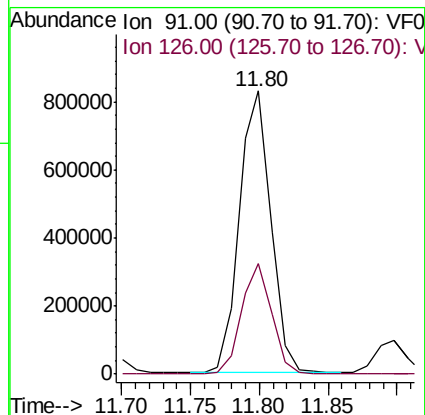
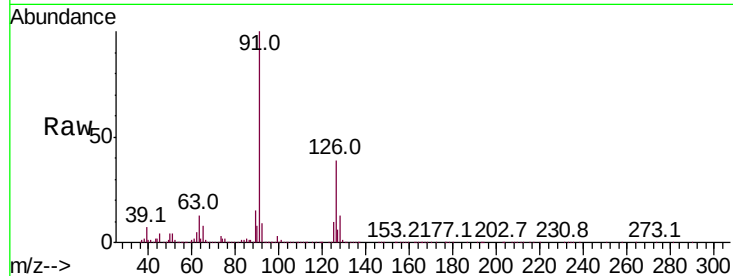
91 100

126 39.1 17.8 53.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 45.885 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF062821.D

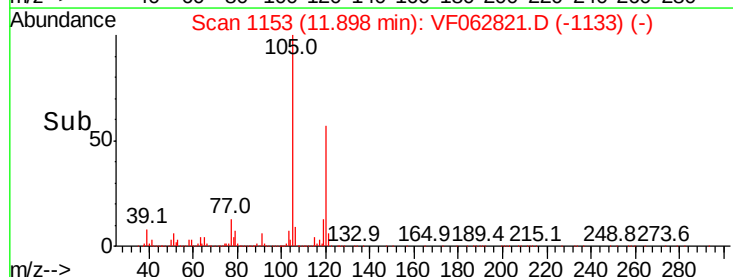
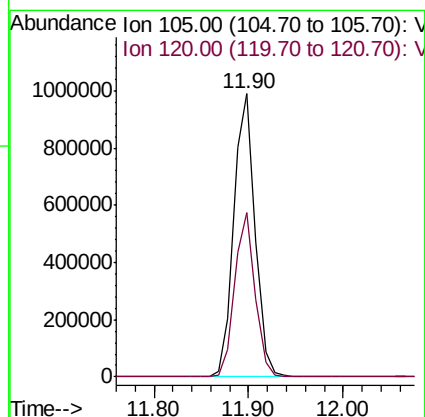
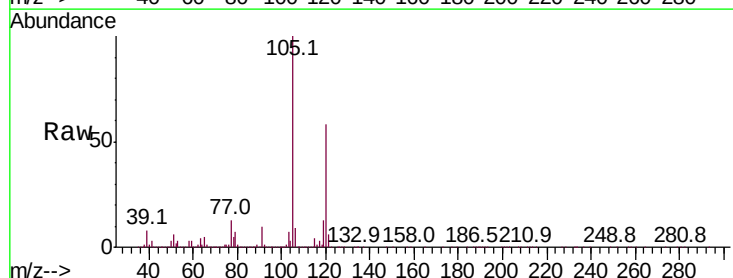
Acq: 3 Jun 2019 10:56

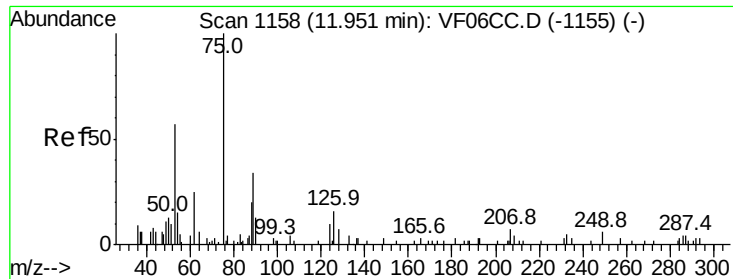
Tgt Ion: 105 Resp: 1538202

Ion Ratio Lower Upper

105 100

120 58.0 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 49.895 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

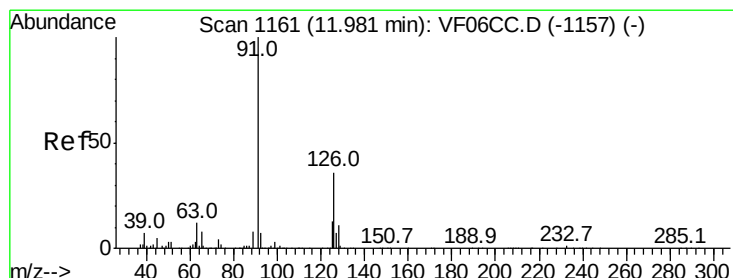
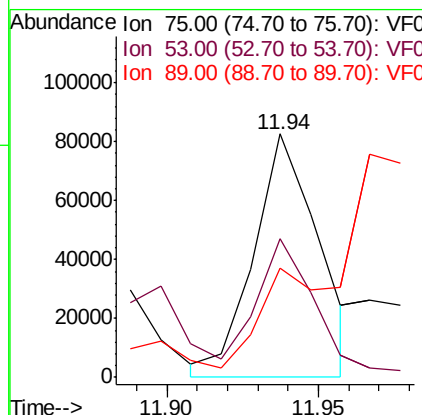
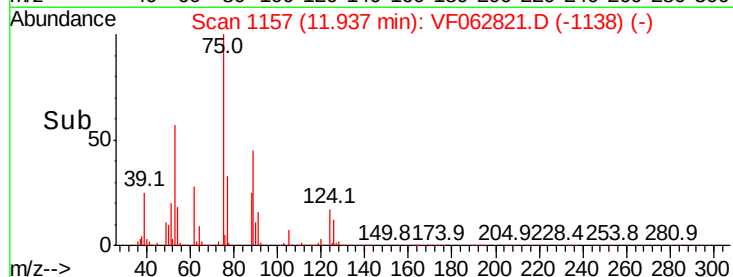
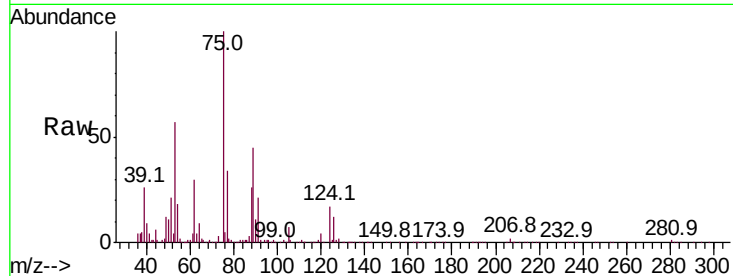
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	122575
Ion Ratio	Lower	Upper	
75	100		
53	56.8	43.5	65.3
89	44.9	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.029 ug/l

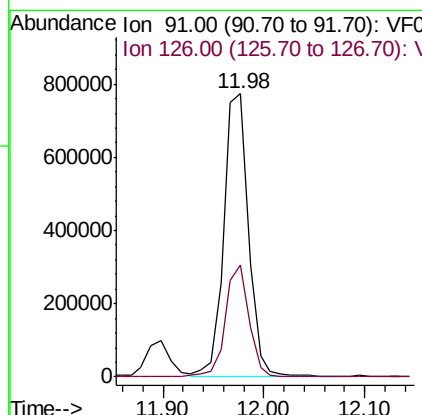
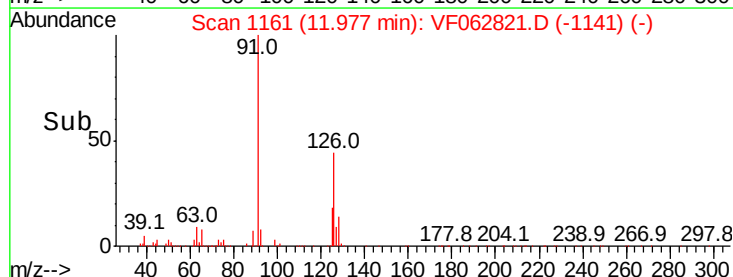
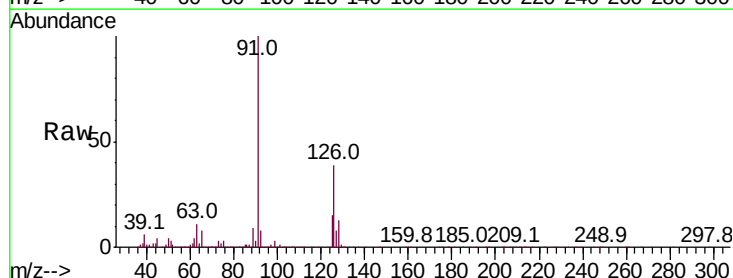
RT: 11.98 min Scan# 1161

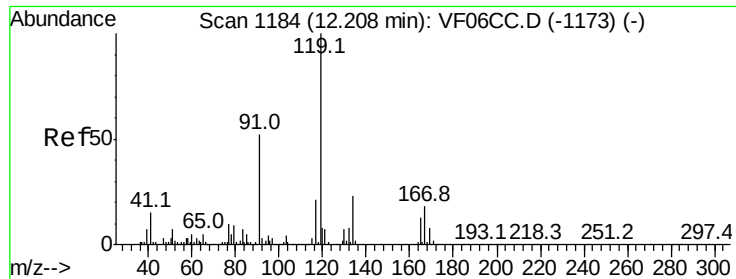
Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion:	91	Resp:	1308935
Ion Ratio	Lower	Upper	
91	100		
126	39.5	19.1	57.1





#83

tert-Butylbenzene

Concen: 49.618 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

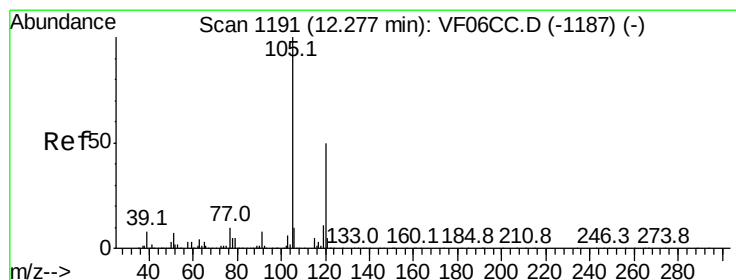
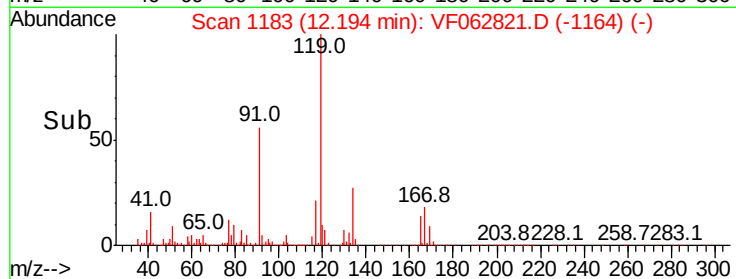
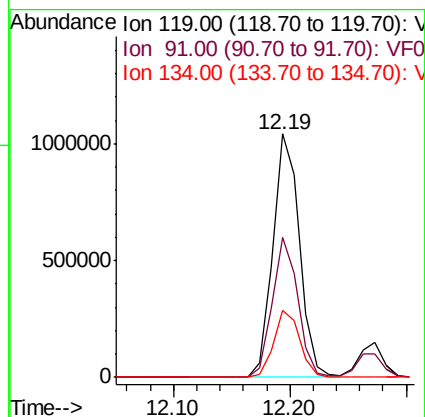
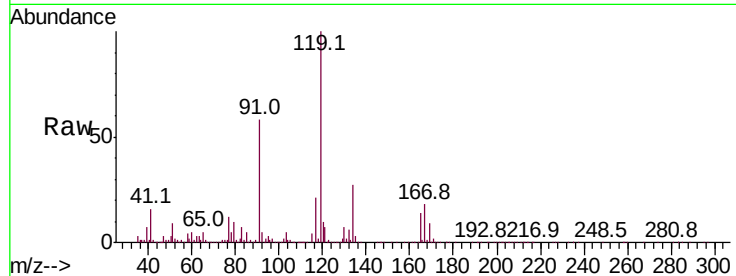
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	1648174
Ion	Ratio	Lower	Upper
119	100		
91	57.5	28.9	86.7
134	27.3	14.3	42.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.718 ug/l

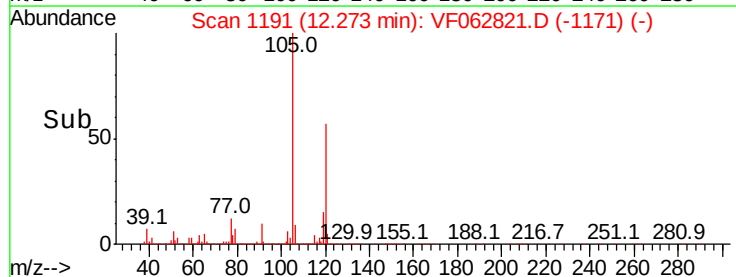
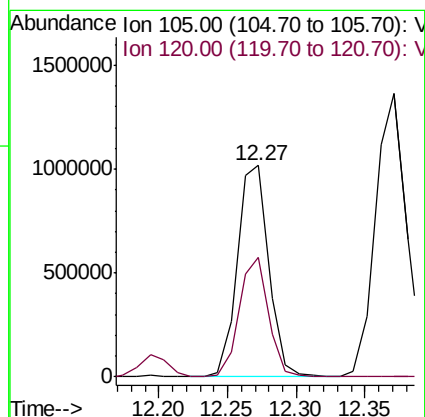
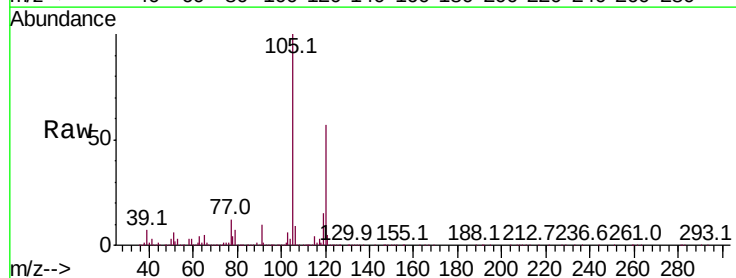
RT: 12.27 min Scan# 1191

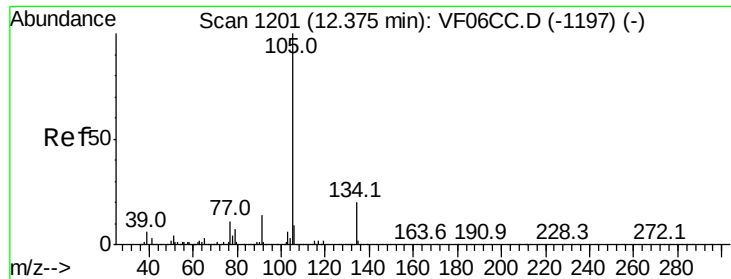
Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion:	105	Resp:	1612051
Ion	Ratio	Lower	Upper
105	100		
120	56.8	27.1	81.3





#85

sec-Butylbenzene

Concen: 48.733 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2133058

Ion Ratio Lower Upper

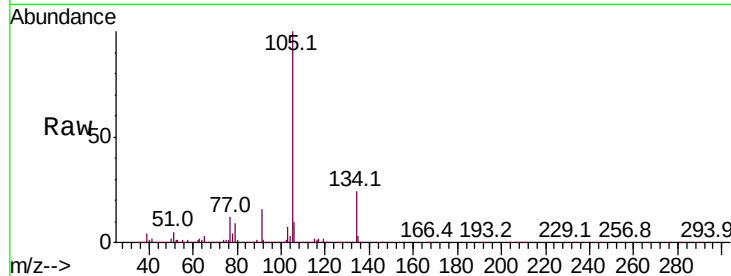
105 100

134 23.9 10.5 31.6

Manual Integrations
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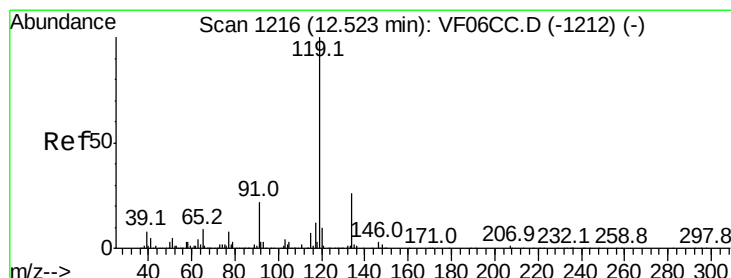
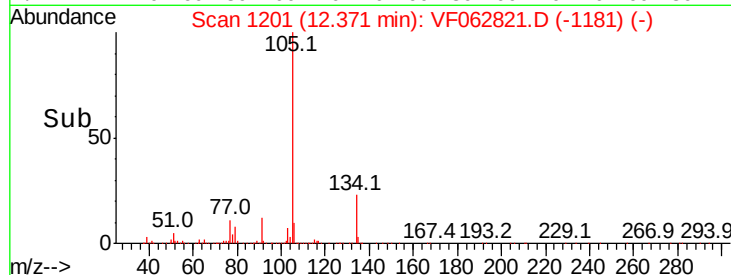
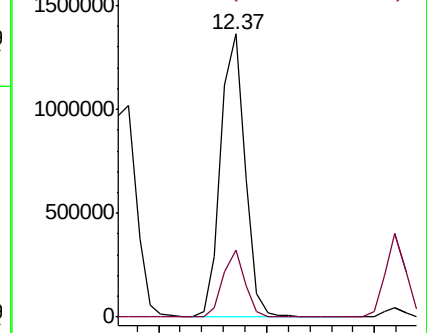
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.684 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

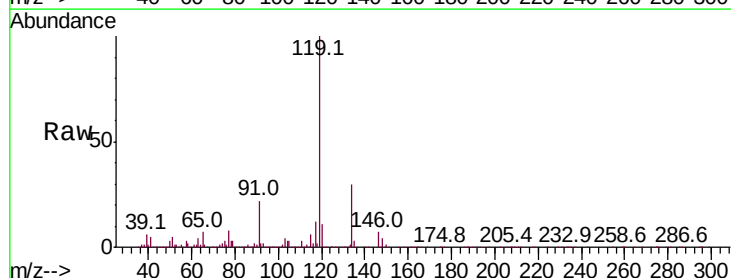
Tgt Ion:119 Resp: 1882959

Ion Ratio Lower Upper

119 100

134 29.9 15.5 46.5

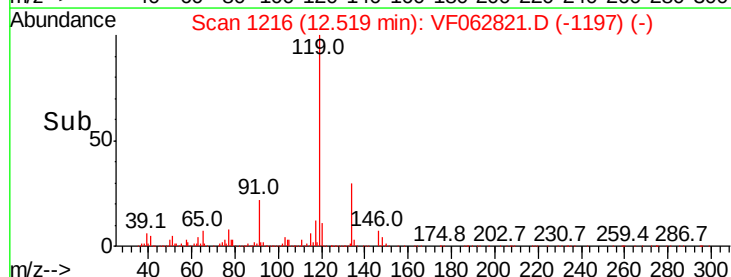
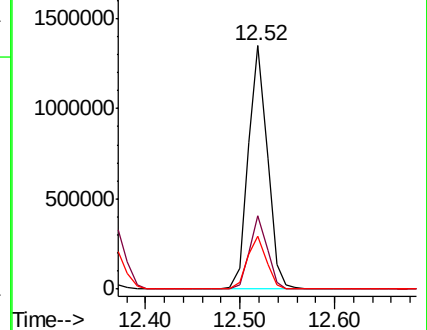
91 21.8 10.3 30.9

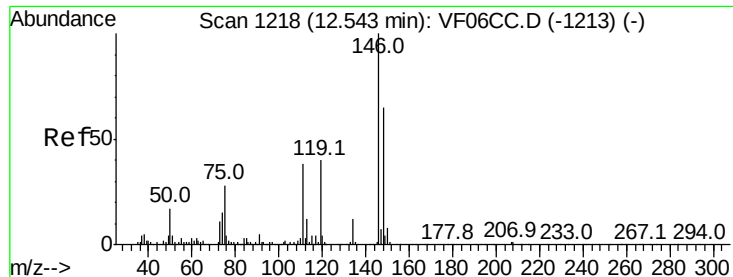


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.449 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062821.D

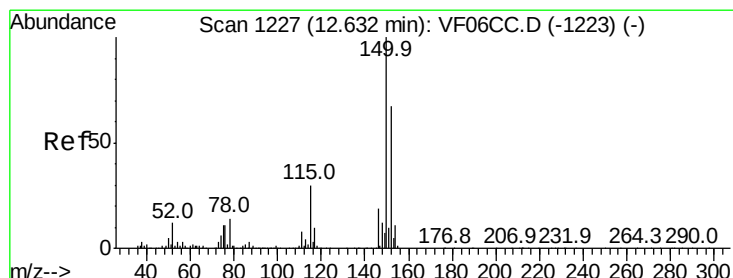
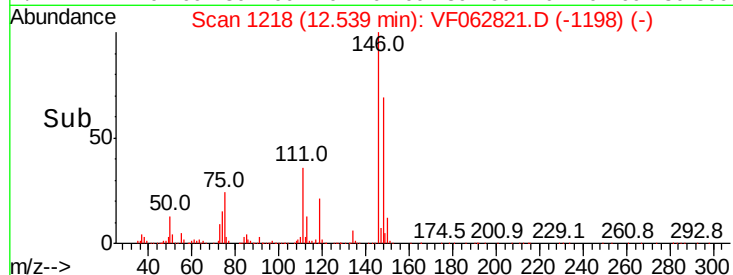
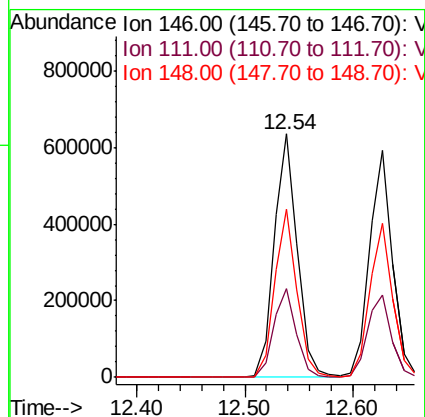
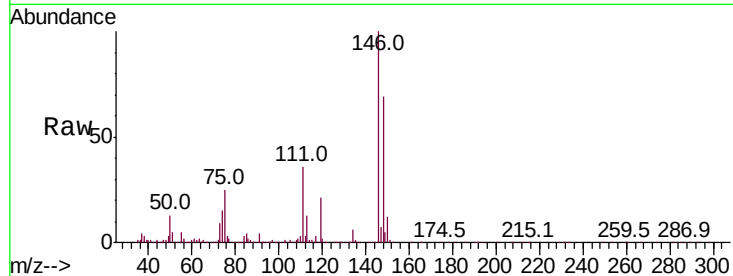
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	19.6	58.8
148	68.9	34.2	102.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.116 ug/l

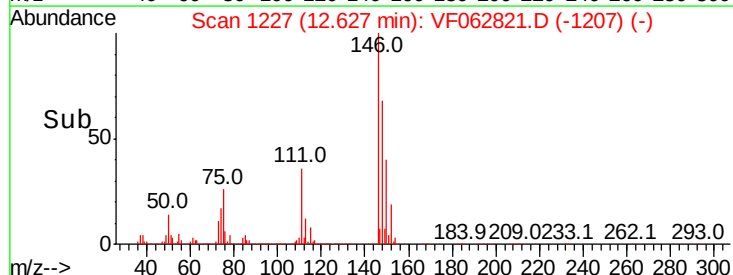
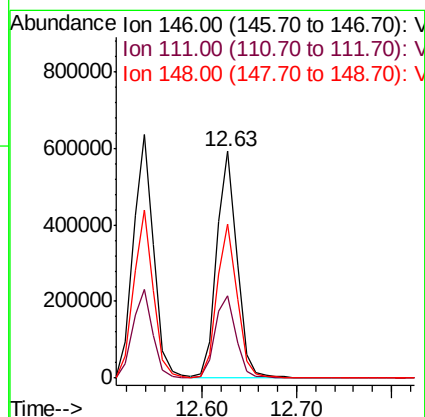
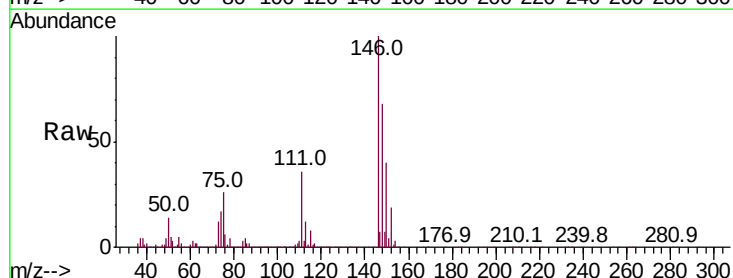
RT: 12.63 min Scan# 1227

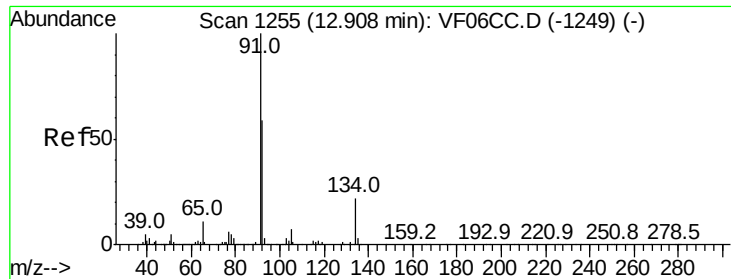
Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.3	60.9
148	67.9	34.0	101.8





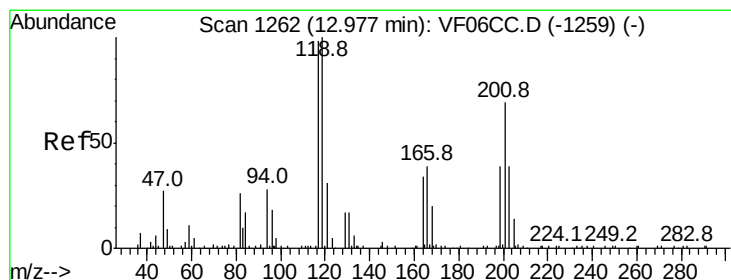
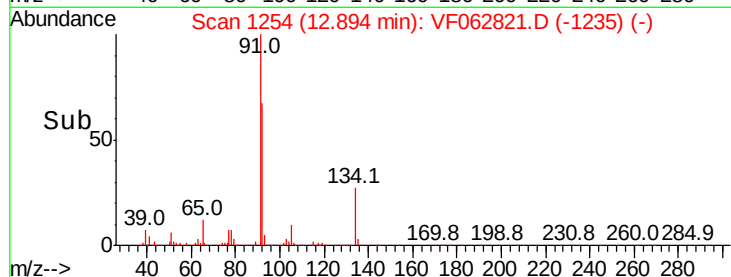
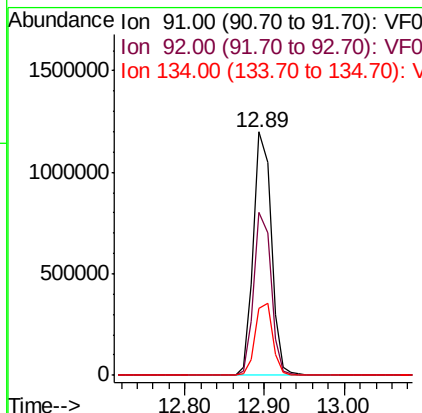
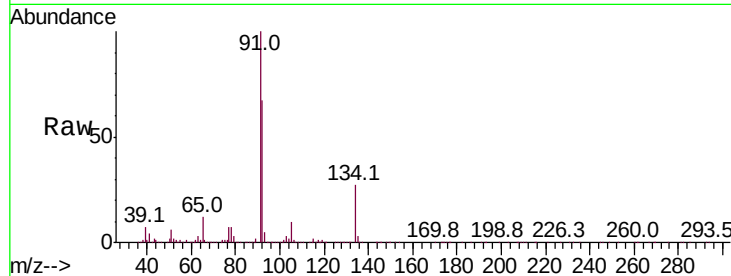
#89
n-Butylbenzene
Concen: 50.104 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.1	34.2	102.6
134	27.5	15.8	47.3

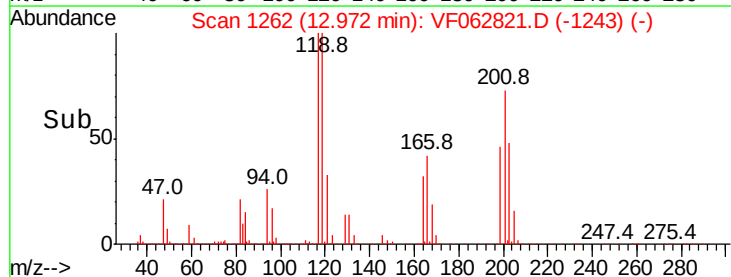
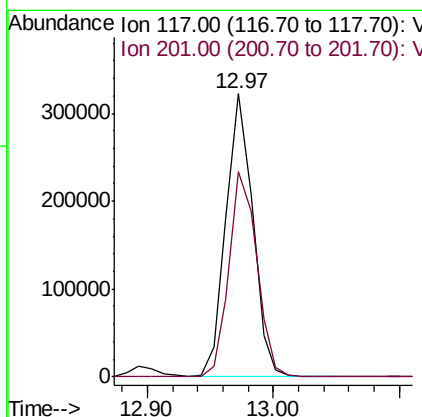
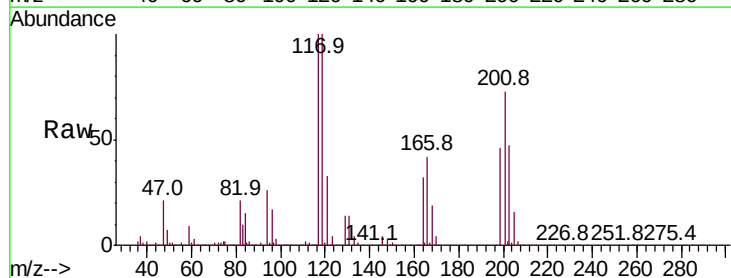
Manual Integrations
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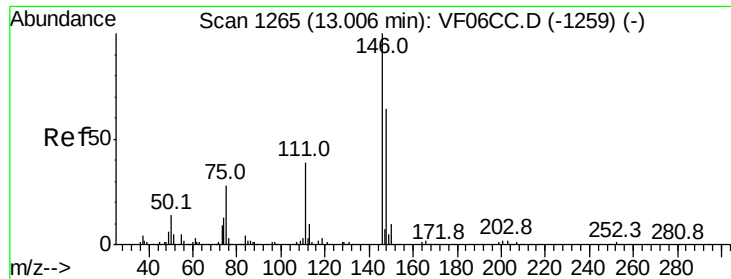
MMDadoda
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#90
Hexachloroethane
Concen: 53.442 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.6	38.9	116.7





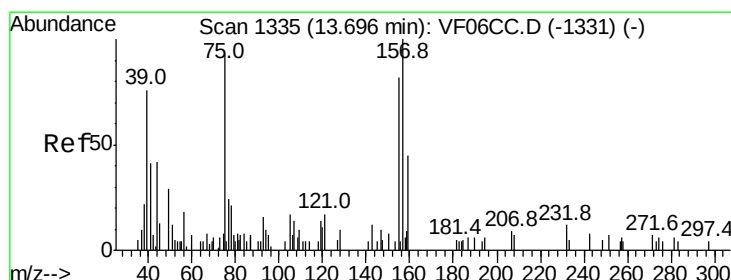
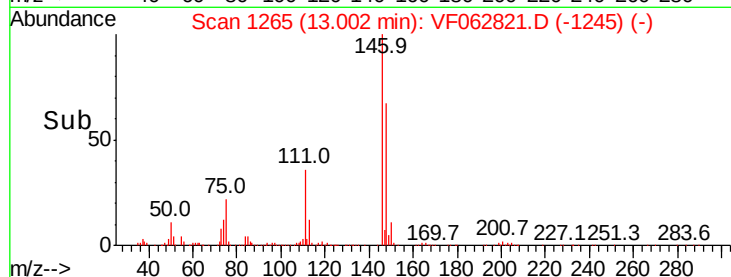
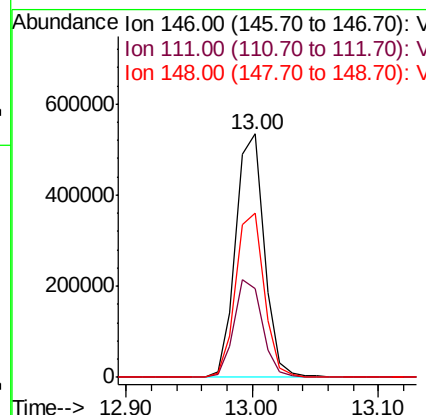
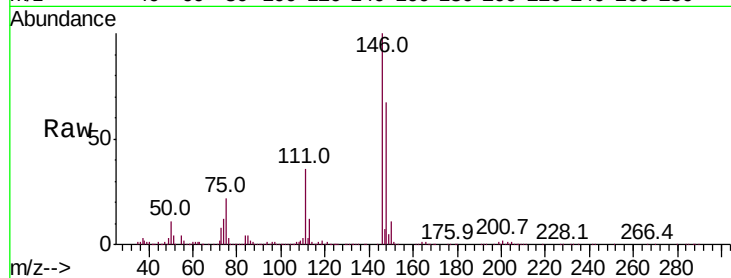
#91
 1,2-Dichlorobenzene
 Concen: 52.448 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	20.4	61.3
148	67.2	34.1	102.3

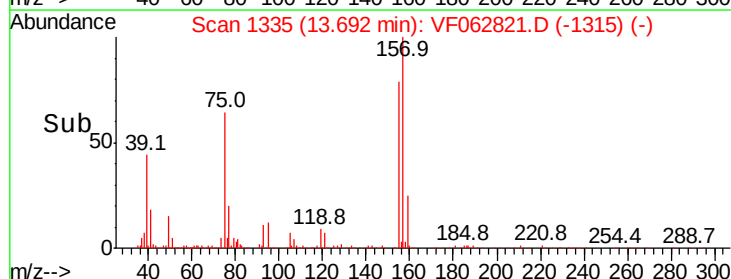
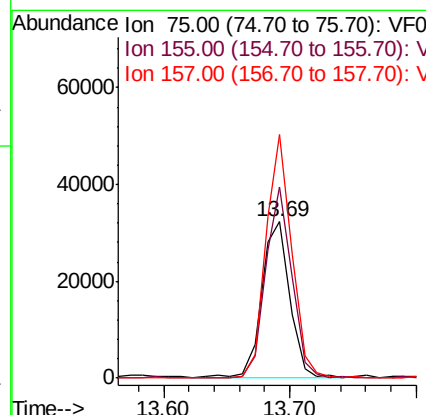
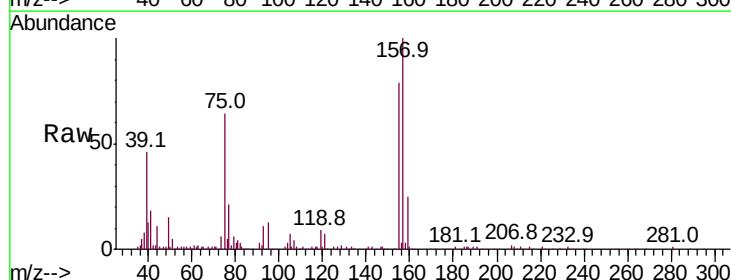
Manual Integrations
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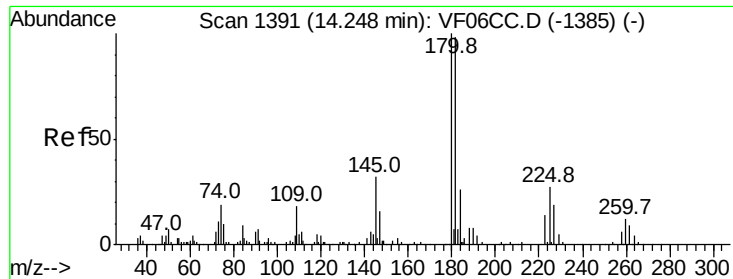
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.831 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	122.5	51.7	155.1
157	155.7	66.8	200.6





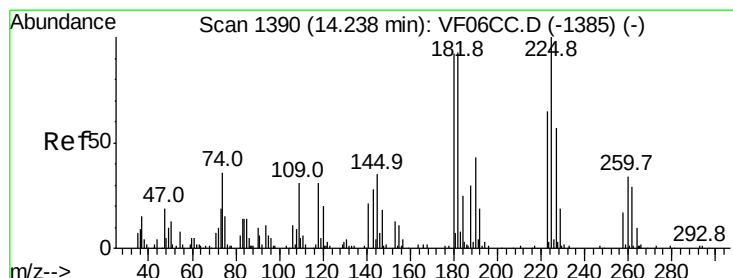
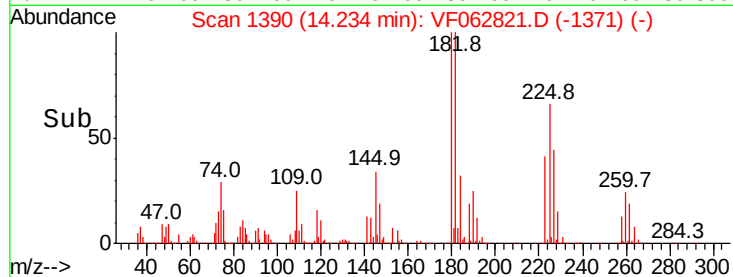
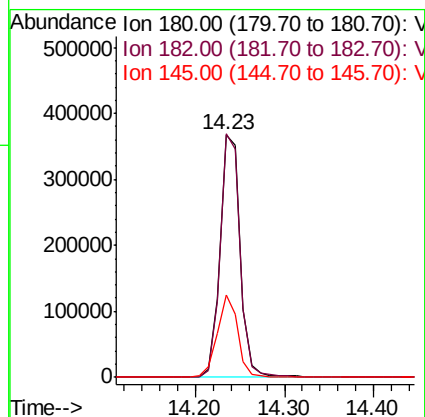
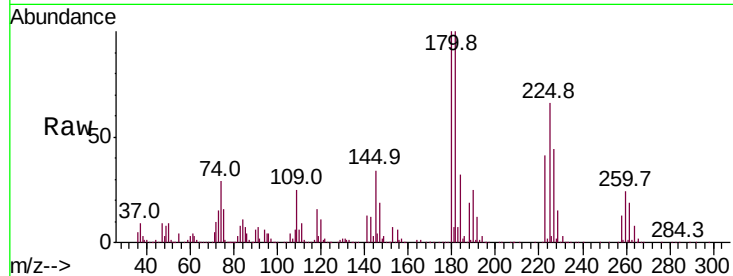
#93
 1,2,4-Trichlorobenzene
 Concen: 53.454 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.2	50.3	150.9	
145	33.7	15.4	46.2	

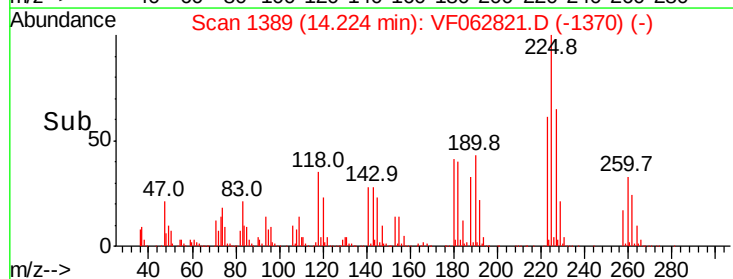
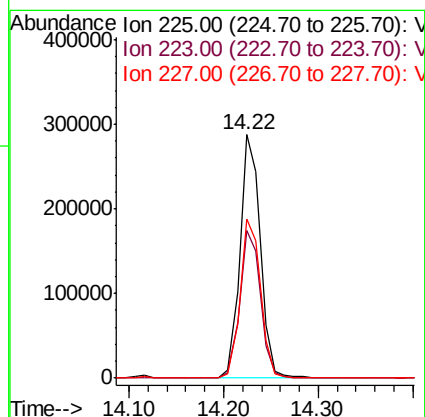
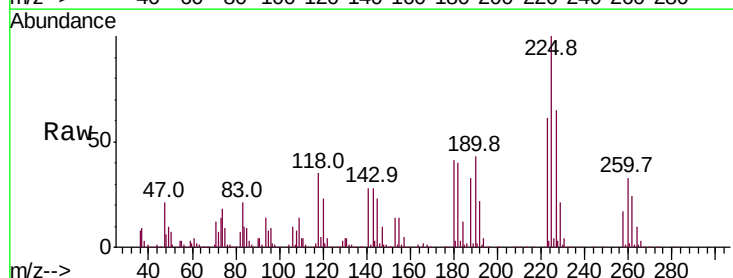
Manual Integrations
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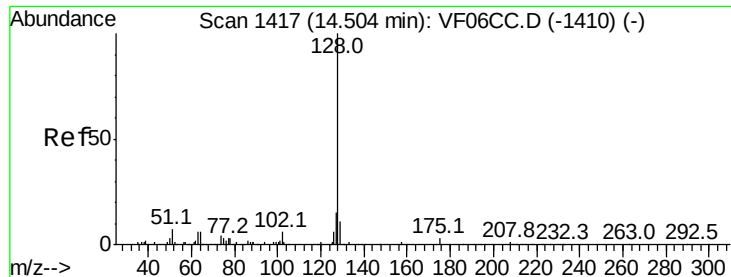
MMDadoda
 6/4/2019 12:15:37 PM



#94
 Hexachlorobutadiene
 Concen: 56.292 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.6	30.8	92.4	
227	65.3	31.9	95.5	





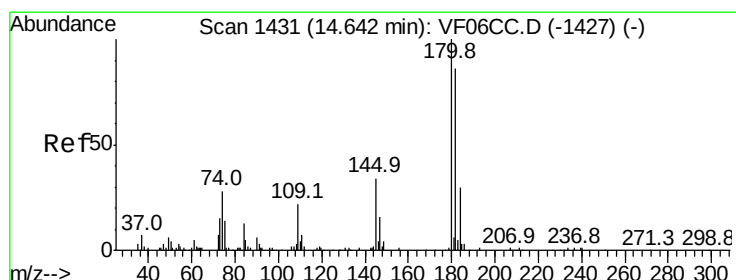
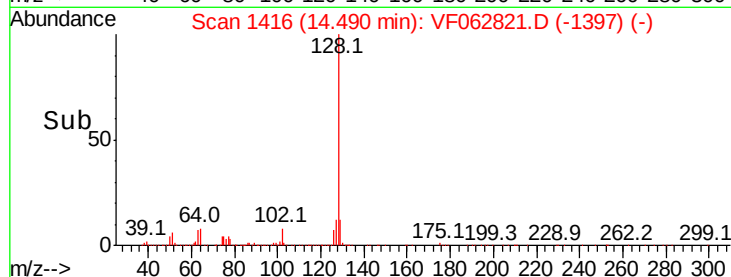
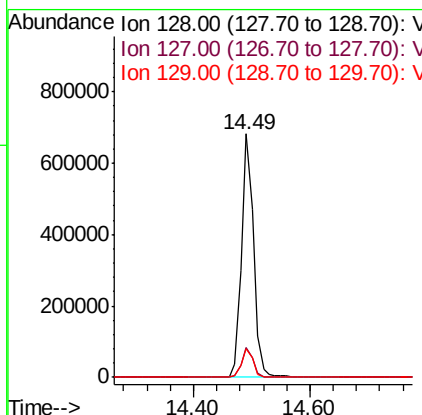
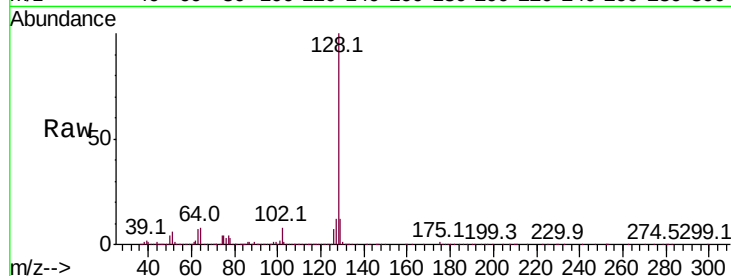
#95
Naphthalene
Concen: 54.672 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.4	9.7	14.5
129	11.8	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:15:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.074 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	99.6	48.6	145.9
145	29.4	15.7	47.0

