

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
 Data File : VF062054.D
 Acq On : 21 Mar 2019 11:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 2:59:08 AM

Quant Time: Mar 22 08:16:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	277360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	433111	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	378633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	200007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	99794	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	4.11	113	145061	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	7.55	98	395397	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
62) 4-Bromofluorobenzene	11.41	95	160863	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	136660	46.220	ug/l	99
3) Chloromethane	1.10	50	147363	49.044	ug/l	90
4) Vinyl Chloride	1.14	62	147091	50.616	ug/l	97
5) Bromomethane	1.33	94	107100	52.462	ug/l	100
6) Chloroethane	1.40	64	76245	50.823	ug/l	100
7) Trichlorofluoromethane	1.48	101	187714m	48.757	ug/l	
8) Diethyl Ether	1.63	74	45572	53.246	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	132963	49.018	ug/l	95
10) Methyl Iodide	1.92	142	242469m	51.059	ug/l	
11) Tert butyl alcohol	2.57	59	31042	254.088	ug/l #	90
12) 1,1-Dichloroethene	1.80	96	123827	52.897	ug/l	85
13) Acrolein	2.00	56	34727	263.310	ug/l	87
14) Allyl chloride	2.10	41	148585	49.724	ug/l	94
15) Acrylonitrile	2.94	53	107055	288.158	ug/l	97
16) Acetone	2.24	43	134750	300.558	ug/l	98
17) Carbon Disulfide	1.81	76	332643m	49.158	ug/l	
18) Methyl Acetate	2.34	43	63041	62.049	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	220966	52.093	ug/l	98
20) Methylene Chloride	2.18	84	119071m	50.903	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	120949	49.510	ug/l	93
22) Diisopropyl ether	2.80	45	382534	53.222	ug/l	99
23) Vinyl Acetate	3.18	43	802492	283.224	ug/l	99
24) 1,1-Dichloroethane	2.87	63	216546	51.814	ug/l	99
25) 2-Butanone	4.33	43	245752	276.776	ug/l	93
26) 2,2-Dichloropropane	3.60	77	94329	47.851	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	153139	49.736	ug/l	97
28) Bromochloromethane	3.71	49	88925	51.279	ug/l	99
29) Tetrahydrofuran	4.07	42	106935	276.929	ug/l	99
30) Chloroform	3.85	83	234999	49.627	ug/l	96
31) Cyclohexane	3.69	56	201378m	48.776	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	140825	44.781	ug/l	92
36) 1,1-Dichloropropene	4.28	75	194030	49.609	ug/l	97
37) Ethyl Acetate	4.11	43	89448	50.934	ug/l	87
38) Carbon Tetrachloride	3.99	117	132209	46.252	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	213056	46.401	ug/l	94
40) Benzene	4.63	78	519406	50.117	ug/l	98
41) Methacrylonitrile	4.74	41	48398	51.582	ug/l	94
42) 1,2-Dichloroethane	4.94	62	134242	52.033	ug/l	98
43) Isopropyl Acetate	6.96	43	105089	50.576	ug/l #	94
44) Trichloroethene	5.50	130	153098	48.223	ug/l	98
45) 1,2-Dichloropropane	6.23	63	119498	48.722	ug/l	97
46) Dibromomethane	6.08	93	78859	54.049	ug/l	96
47) Bromodichloromethane	6.38	83	170937	49.694	ug/l	98
48) Methyl methacrylate	6.71	41	64769	48.231	ug/l #	88
49) 1,4-Dioxane	6.70	88	12771	1069.151	ug/l #	76
51) 4-Methyl-2-Pentanone	8.25	43	395897	268.315	ug/l	95
52) Toluene	7.62	92	305701	48.277	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	141250	48.639	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	192093	50.695	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	94464	53.450	ug/l	98
56) Ethyl methacrylate	8.62	69	110722	55.112	ug/l	98
57) 1,3-Dichloropropane	8.85	76	147712	50.104	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	77868	213.987	ug/l	99
59) 2-Hexanone	9.48	43	299790	280.749	ug/l	98
60) Dibromochloromethane	8.71	129	131004	53.395	ug/l	99
61) 1,2-Dibromoethane	8.98	107	98197	51.799	ug/l	95
64) Tetrachloroethene	8.15	164	132639	48.193	ug/l	97
65) Chlorobenzene	9.79	112	346230	49.115	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	140118	51.278	ug/l	97
67) Ethyl Benzene	9.90	91	559141	46.324	ug/l	99
68) m/p-Xylenes	10.12	106	437963	96.473	ug/l	96
69) o-Xylene	10.71	106	234917	48.361	ug/l	99
70) Styrene	10.78	104	331427	49.248	ug/l	99
71) Bromoform	10.77	173	75546	54.659	ug/l	98
73) Isopropylbenzene	11.12	105	674214	48.794	ug/l	100
74) N-amyl acetate	11.37	43	174019	54.963	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	120931	53.022	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	81745	51.256	ug/l	98
77) Bromobenzene	11.49	156	156604	48.940	ug/l	99
78) n-propylbenzene	11.59	91	728170	45.831	ug/l	98
79) 2-Chlorotoluene	11.71	91	428997	47.835	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	544138	48.750	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	40345m	57.183	ug/l	
82) 4-Chlorotoluene	11.90	91	422582	46.595	ug/l	98
83) tert-Butylbenzene	12.13	119	572840	49.073	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	533709	47.738	ug/l	100
85) sec-Butylbenzene	12.30	105	760742	48.236	ug/l	96
86) p-Isopropyltoluene	12.46	119	669954	50.908	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	303375	48.238	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	304592	50.318	ug/l	98
89) n-Butylbenzene	12.85	91	618939	50.051	ug/l	98
90) Hexachloroethane	12.91	117	158215	52.681	ug/l	93
91) 1,2-Dichlorobenzene	12.94	146	288295	49.493	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18944	51.760	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	200574	49.448	ug/l	99
94) Hexachlorobutadiene	14.19	225	129618	48.134	ug/l	97
95) Naphthalene	14.45	128	392605	53.816	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	193343	51.810	ug/l	94

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

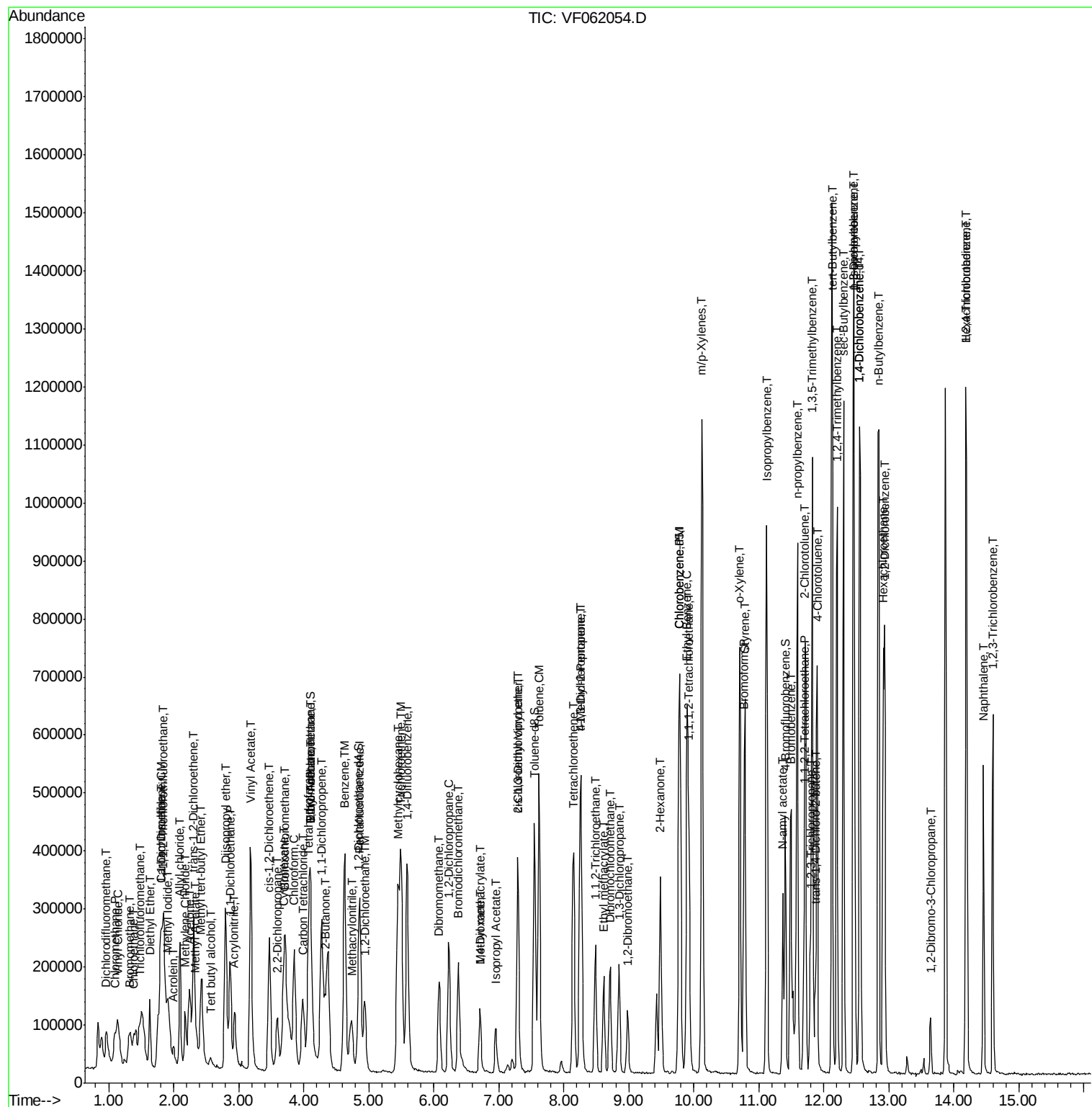
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032119\
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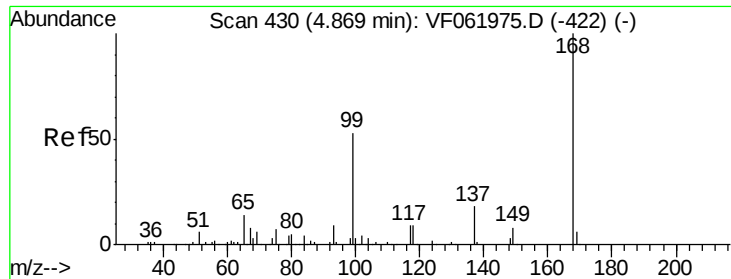
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 277360

Ion Ratio Lower Upper

168 100

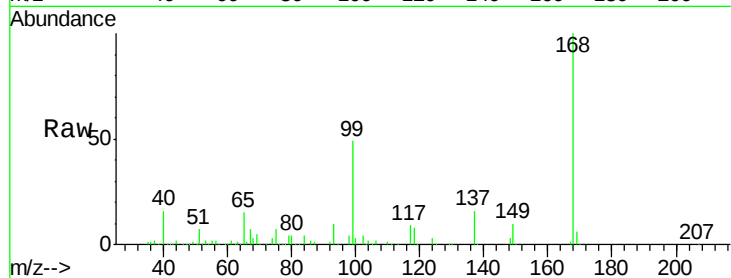
99 48.7 42.4 63.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

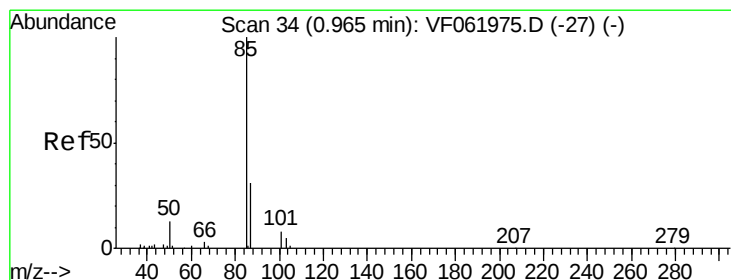
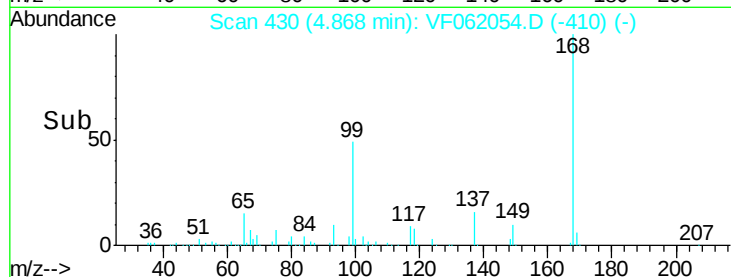
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.220 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF062054.D

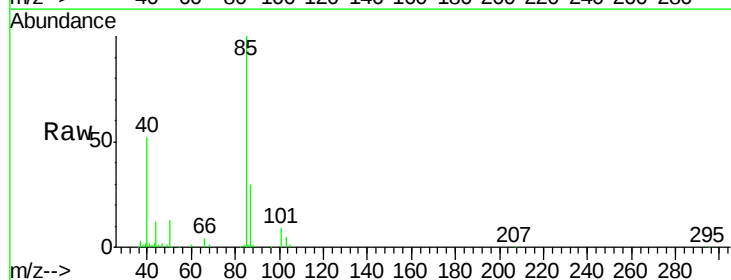
Acq: 21 Mar 2019 11:48

Tgt Ion: 85 Resp: 136660

Ion Ratio Lower Upper

85 100

87 30.1 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

30000

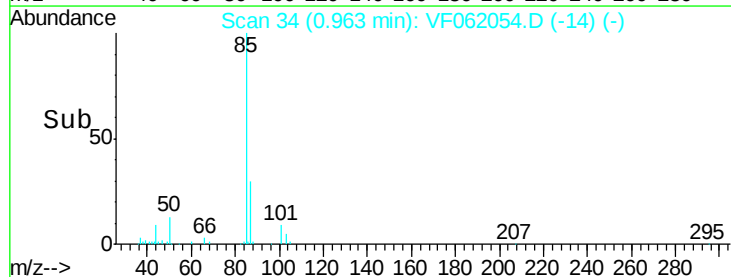
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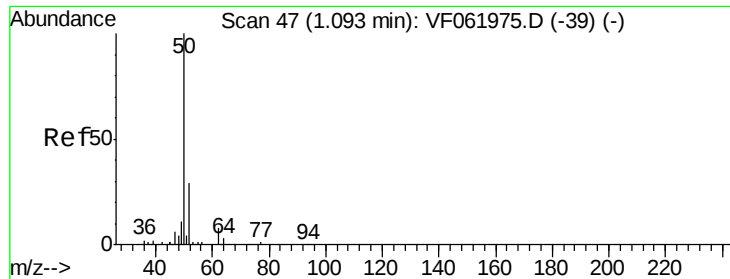
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 49.044 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 147363

Ion Ratio Lower Upper

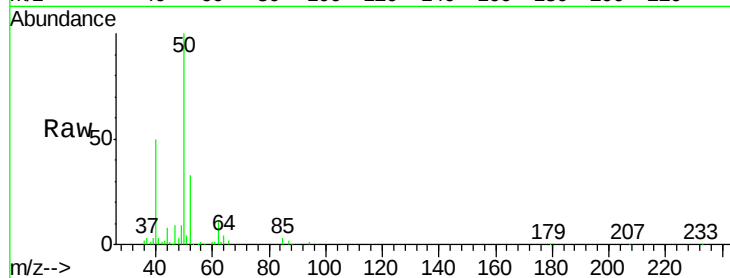
50 100

52 33.4 22.6 34.0

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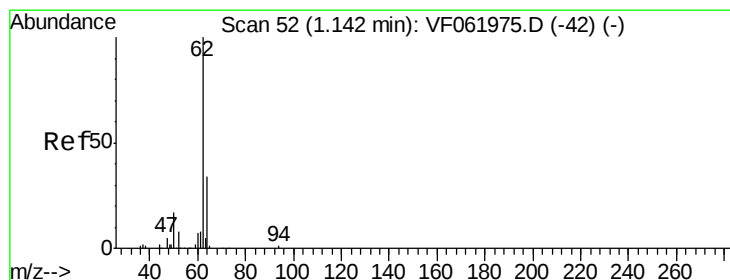
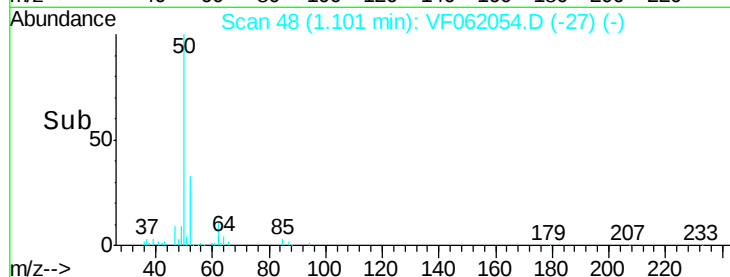
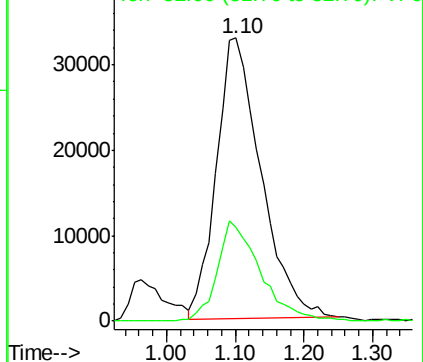
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 50.616 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062054.D

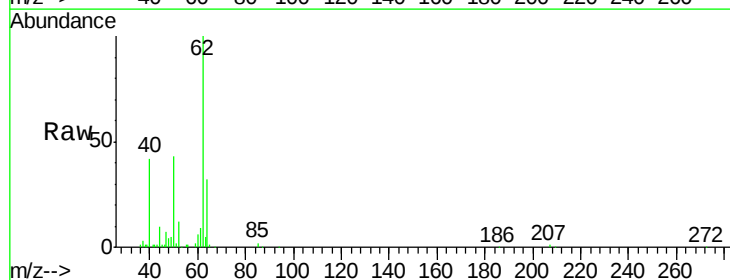
Acq: 21 Mar 2019 11:48

Tgt Ion: 62 Resp: 147091

Ion Ratio Lower Upper

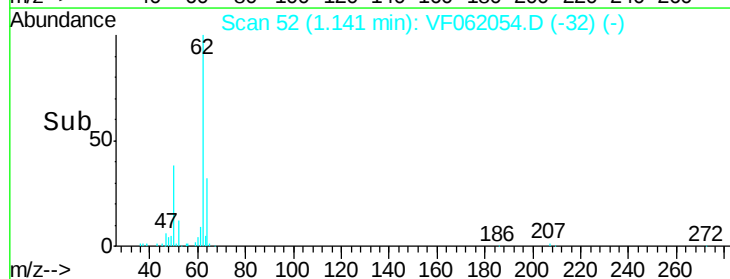
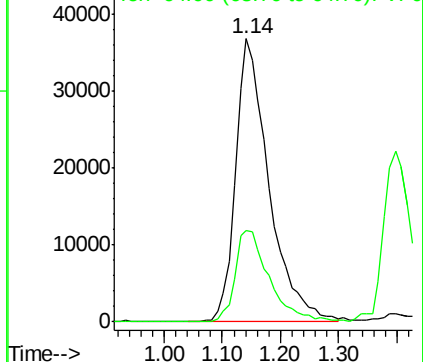
62 100

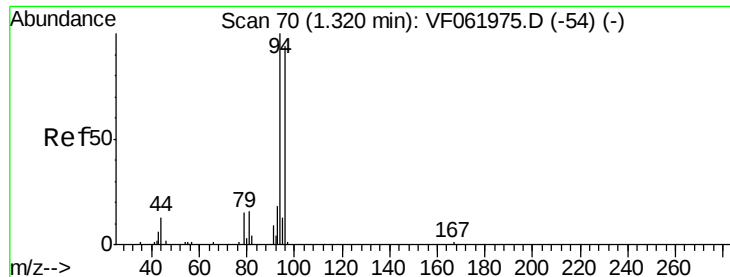
64 32.3 27.4 41.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 52.462 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

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ClientSampleId :

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Tot Ion: 94 Resp: 107100

Ion Ratio Lower Upper

94 100

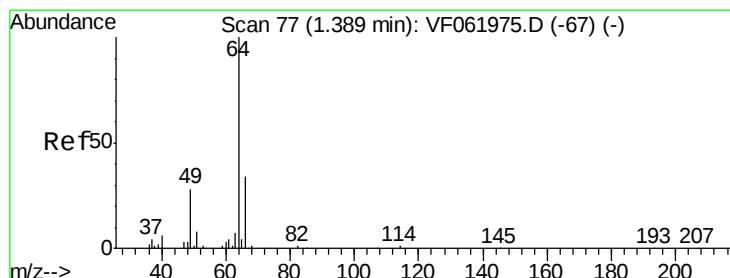
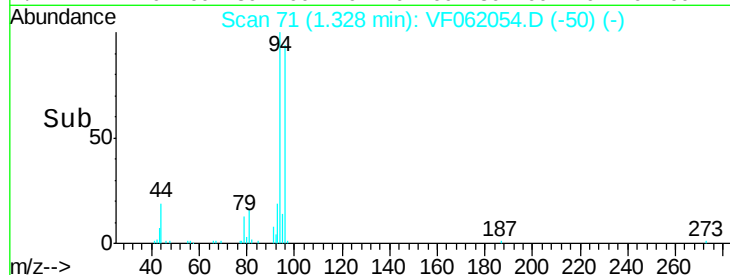
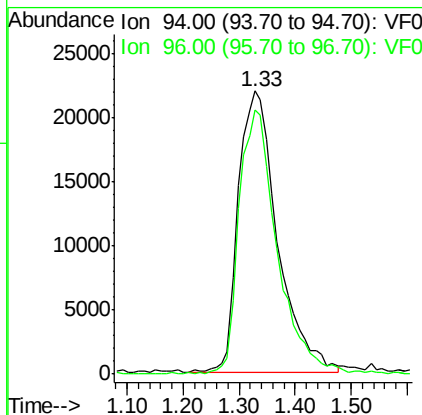
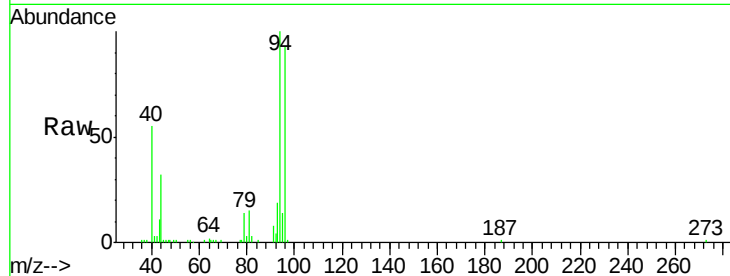
96 93.5 75.0 112.6

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#6

Chloroethane

Concen: 50.823 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF062054.D

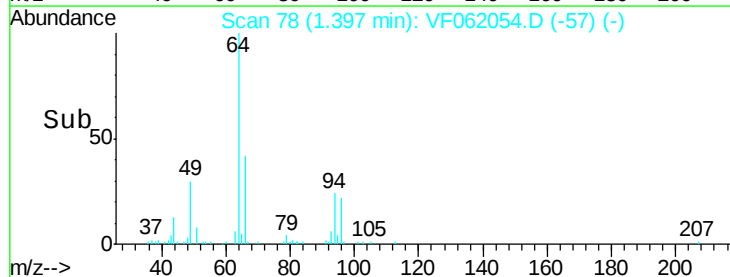
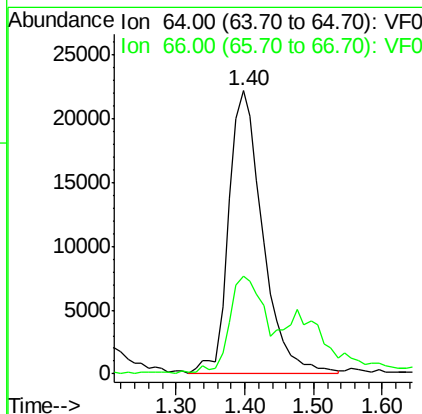
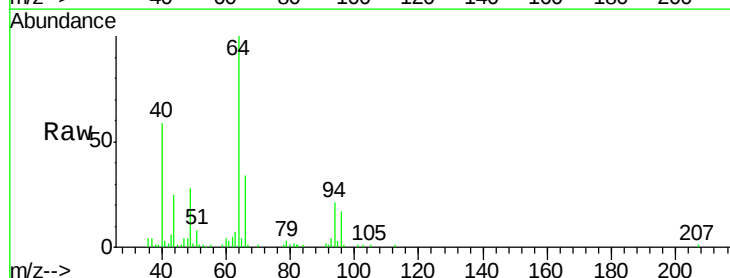
Acq: 21 Mar 2019 11:48

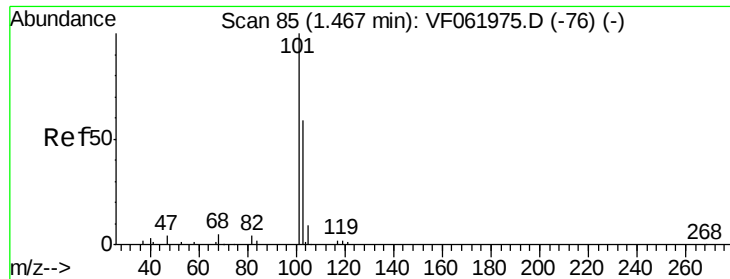
Tgt Ion: 64 Resp: 76245

Ion Ratio Lower Upper

64 100

66 34.4 27.6 41.4





#7

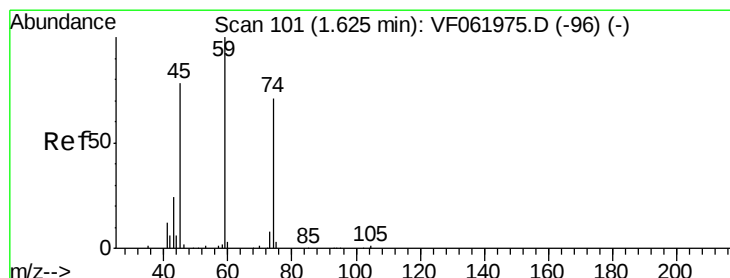
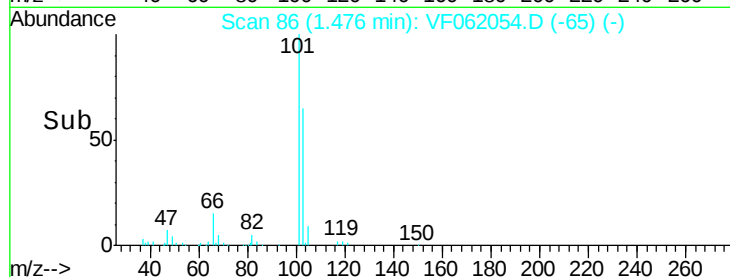
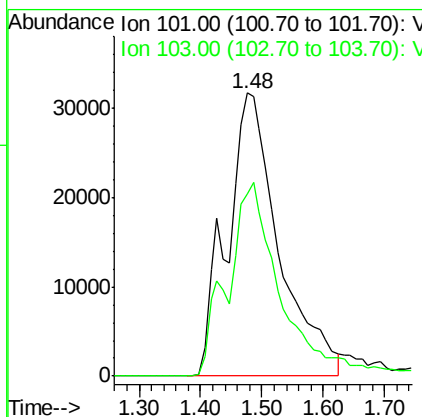
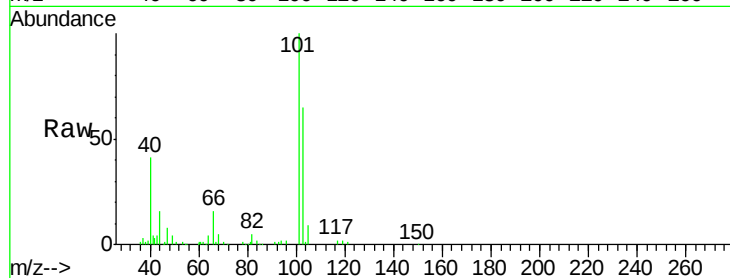
Trichlorofluoromethane
Concen: 48.757 ug/l m
RT: 1.48 min Scan# 86
Delta R.T. 0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	47.3	70.9

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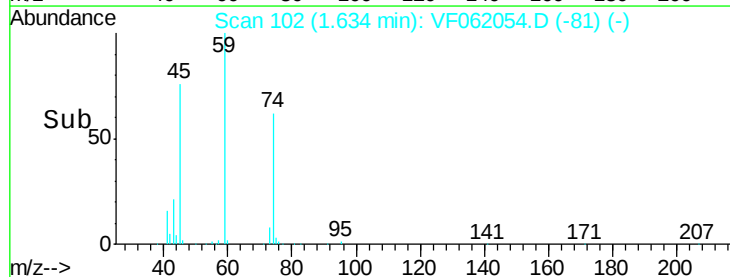
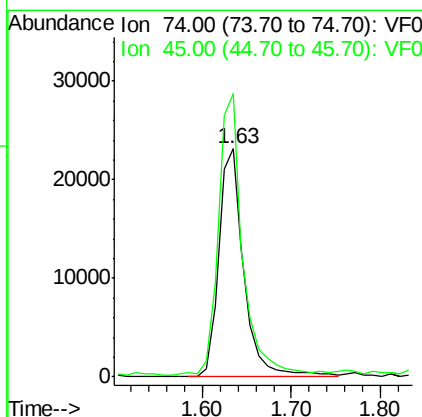
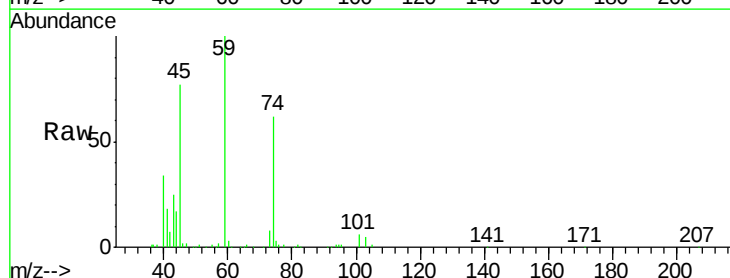
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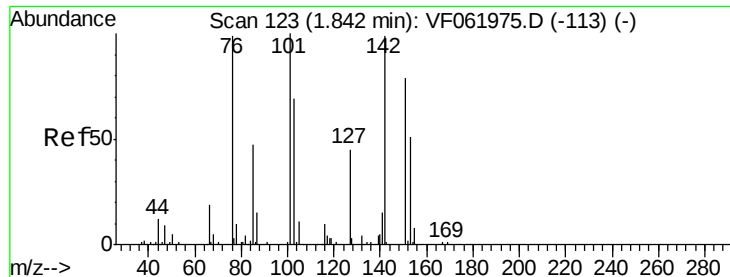


#8

Diethyl Ether
Concen: 53.246 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF062054.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.3	56.3	168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.018 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

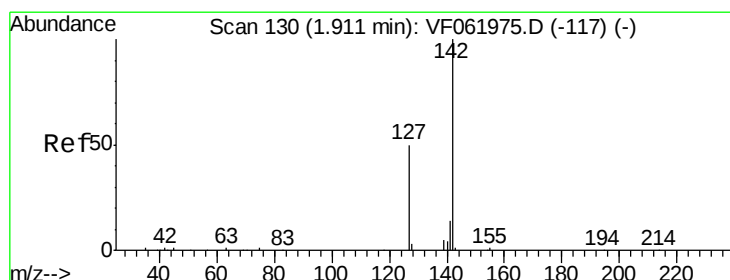
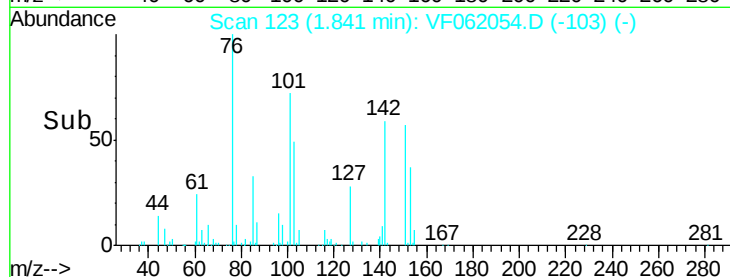
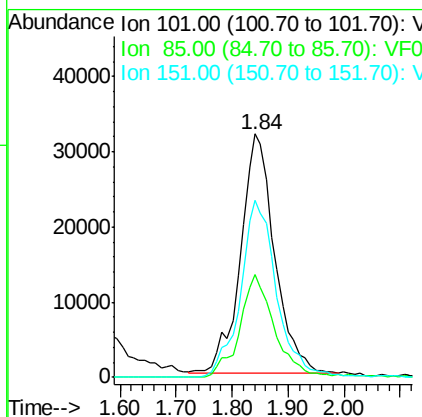
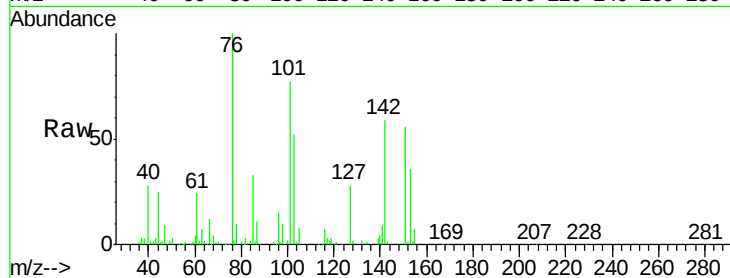
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	132963
Ion Ratio	Lower	Upper	
101	100		
85	42.5	36.8	55.2
151	73.0	62.2	93.2

Manual Integrations
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MMDadoda
3/23/2019 2:59:08 AM



#10

Methyl Iodide

Concen: 51.059 ug/l m

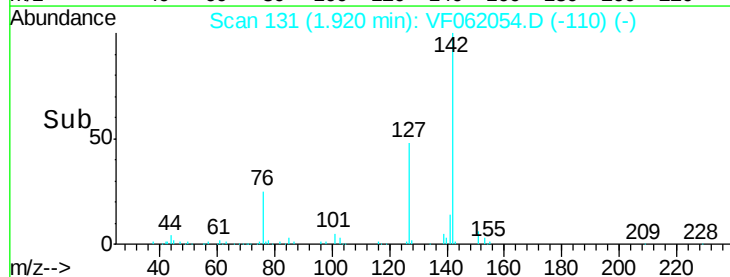
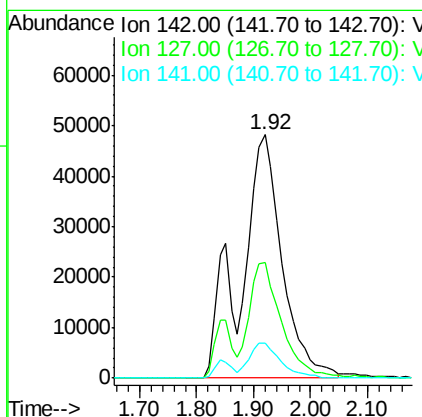
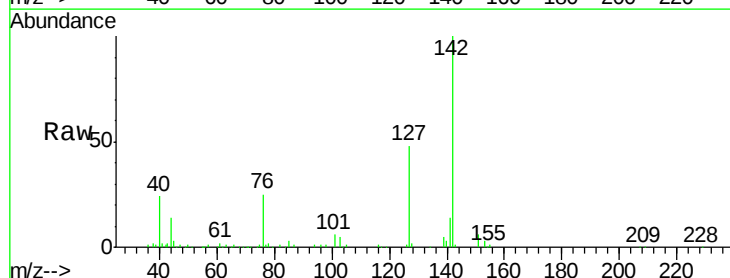
RT: 1.92 min Scan# 131

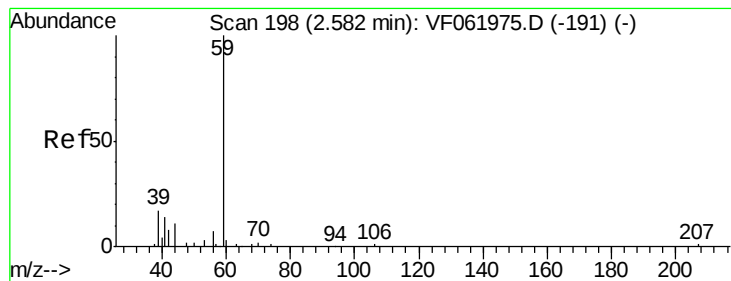
Delta R.T. 0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion:	142	Resp:	242469
Ion Ratio	Lower	Upper	
142	100		
127	47.6	39.7	59.5
141	14.1	10.8	16.2





#11

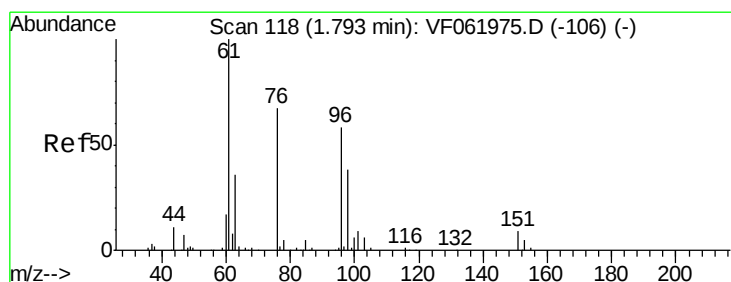
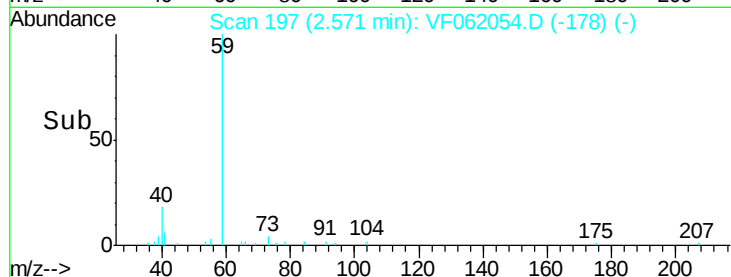
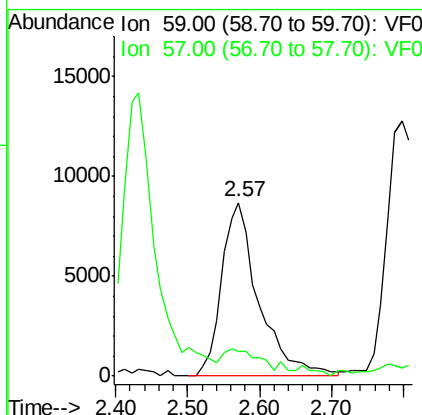
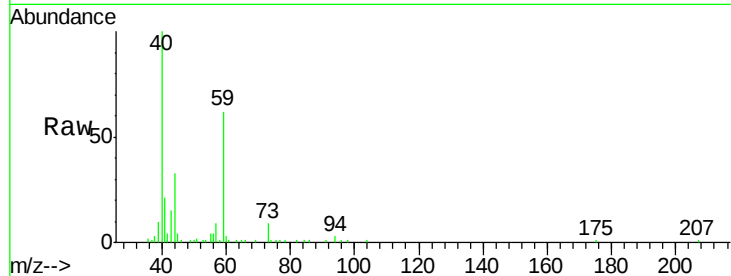
Tert butyl alcohol
Concen: 254.088 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 31042
Ion Ratio Lower Upper
59 100
57 14.7 8.7 13.1#

Manual Integrations
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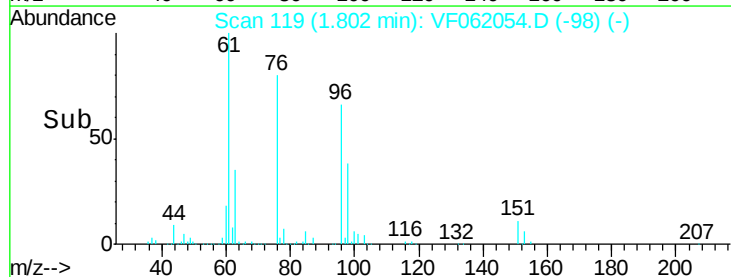
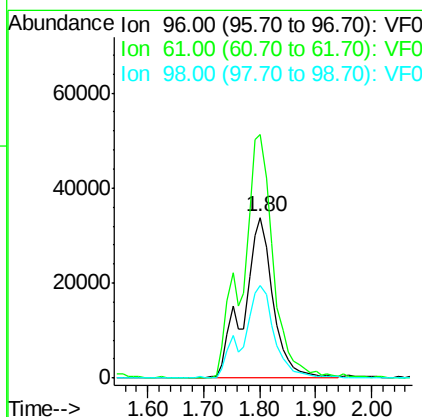
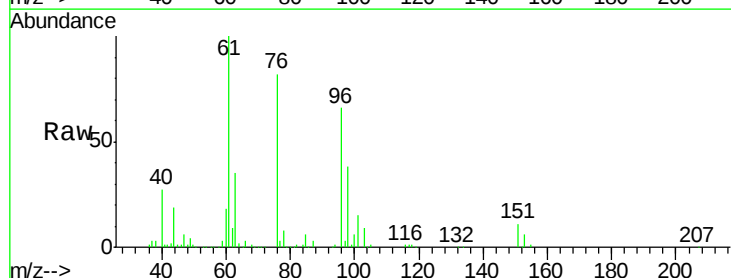
MMDadoda
3/23/2019 2:59:08 AM

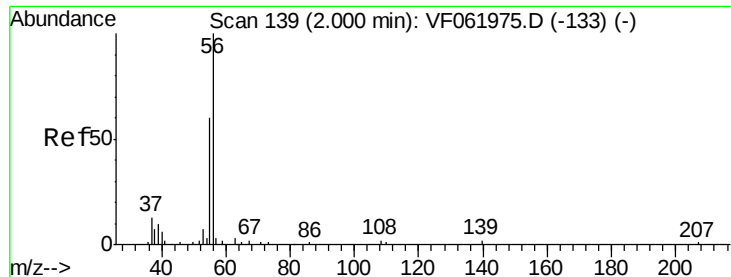


#12

1,1-Dichloroethene
Concen: 52.897 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 96 Resp: 123827
Ion Ratio Lower Upper
96 100
61 151.2 138.6 208.0
98 57.9 53.2 79.8





#13

Acrolein

Concen: 263.310 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 34727

Ion Ratio Lower Upper

56 100

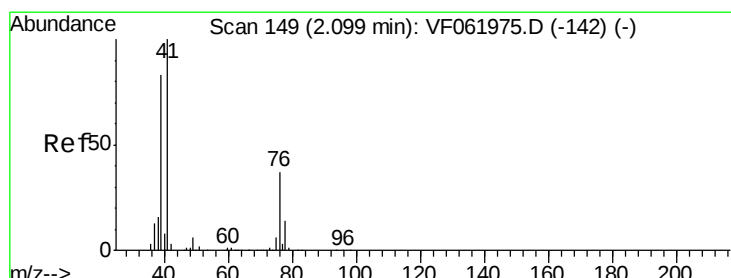
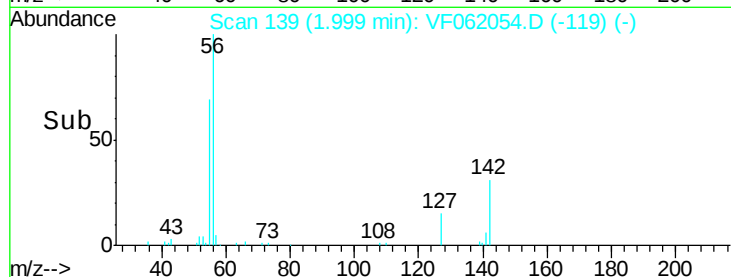
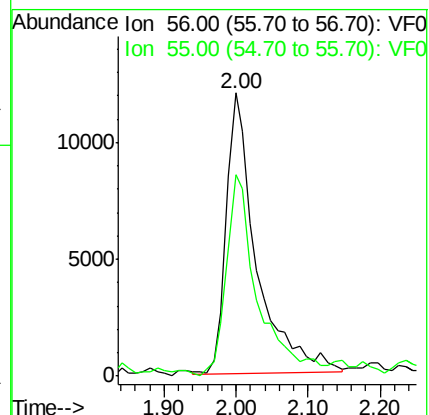
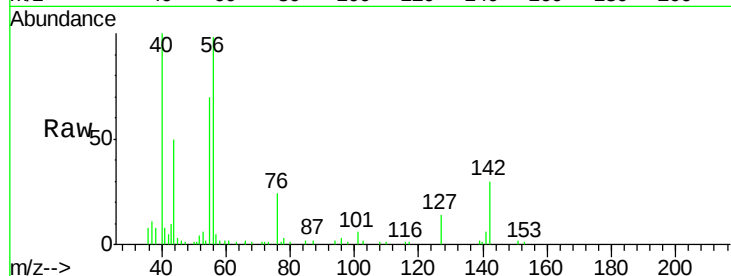
55 71.2 49.1 73.7

Manual Integrations

APPROVED

MMDadoda

3/23/2019 2:59:08 AM



#14

Allyl chloride

Concen: 49.724 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

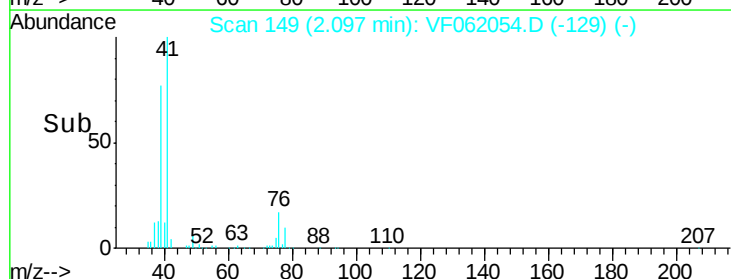
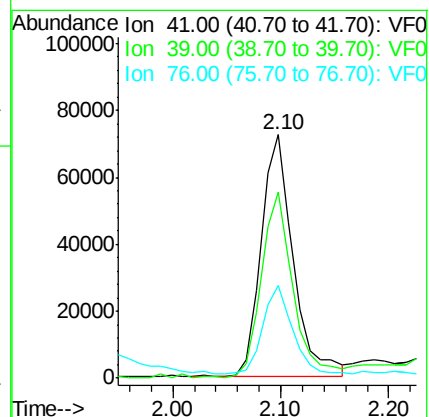
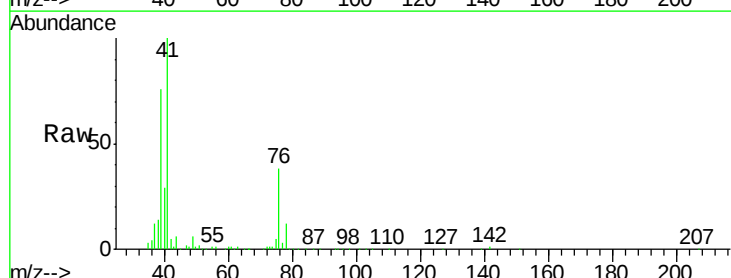
Tgt Ion: 41 Resp: 148585

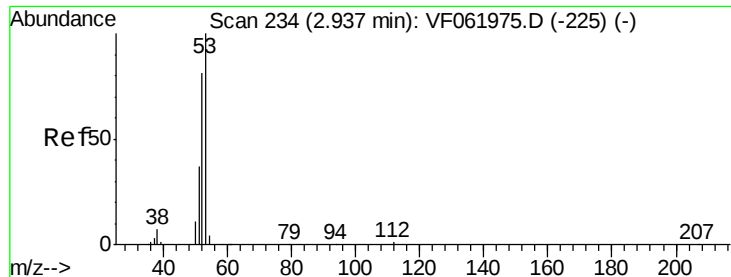
Ion Ratio Lower Upper

41 100

39 76.3 66.8 100.2

76 38.1 31.1 46.7





#15

Acrylonitrile

Concen: 288.158 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

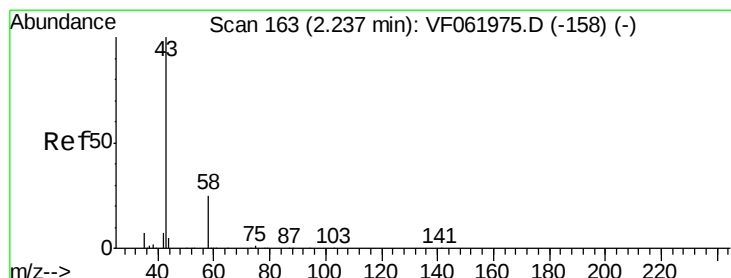
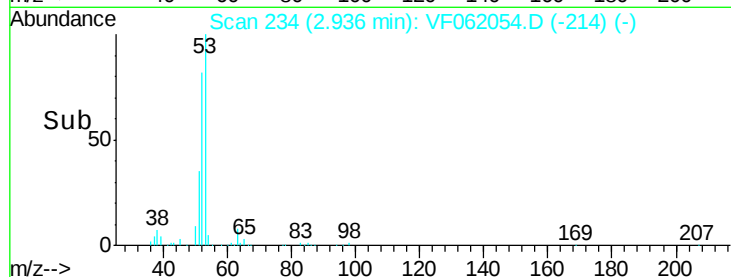
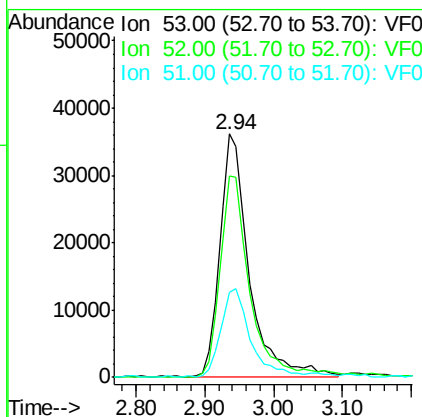
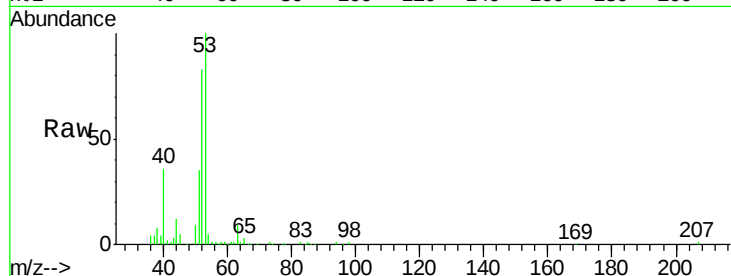
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	107055
Ion	Ratio	Lower	Upper
53	100		
52	82.6	64.4	96.6
51	34.8	30.3	45.5

Manual Integrations
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MMDadoda
3/23/2019 2:59:08 AM



#16

Acetone

Concen: 300.558 ug/l

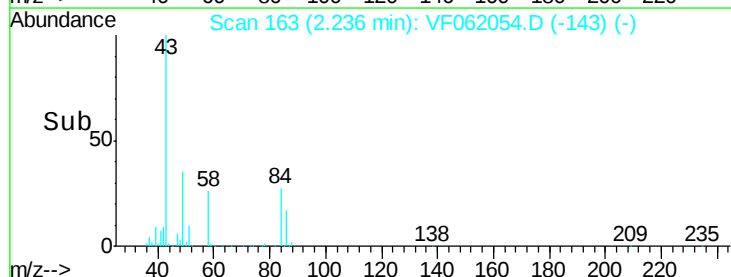
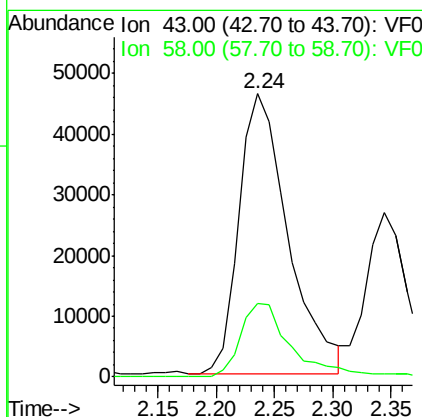
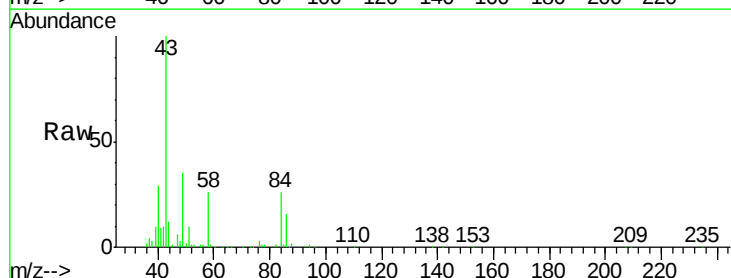
RT: 2.24 min Scan# 163

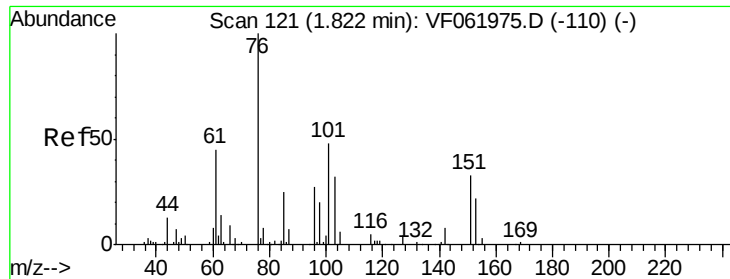
Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion:	43	Resp:	134750
Ion	Ratio	Lower	Upper
43	100		
58	25.8	19.9	29.9





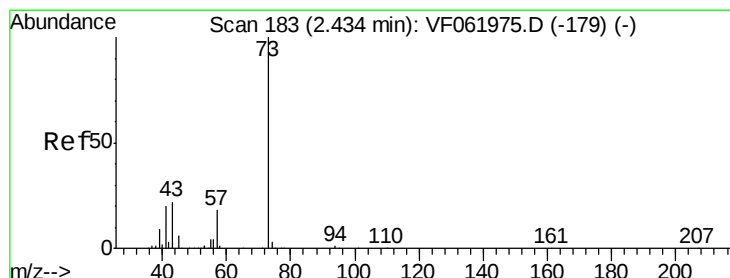
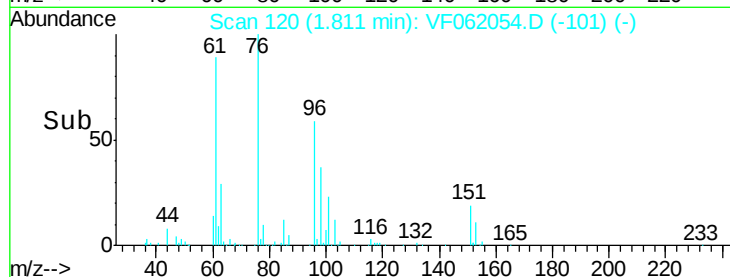
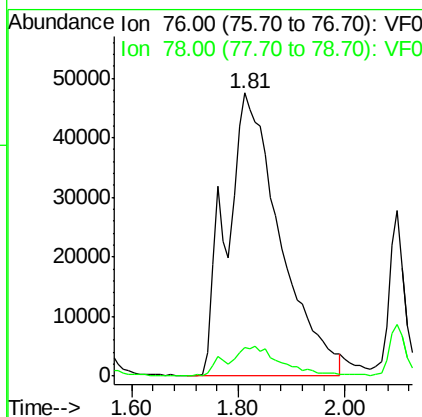
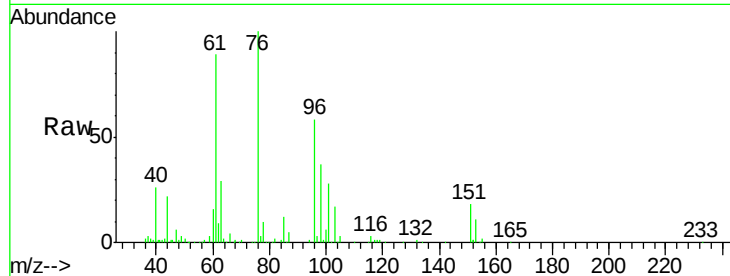
#17
Carbon Disulfide
Concen: 49.158 ug/l m
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 332643
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2

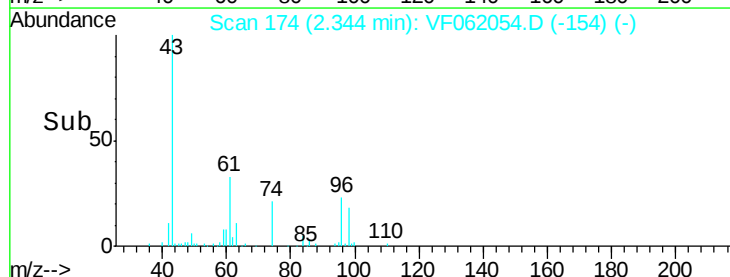
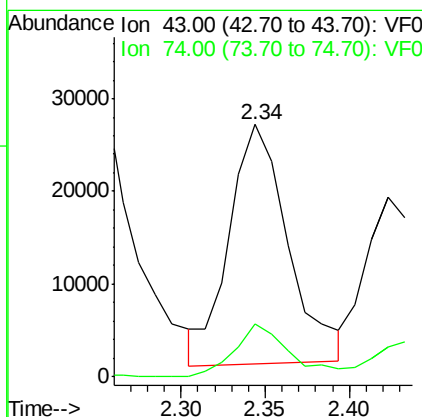
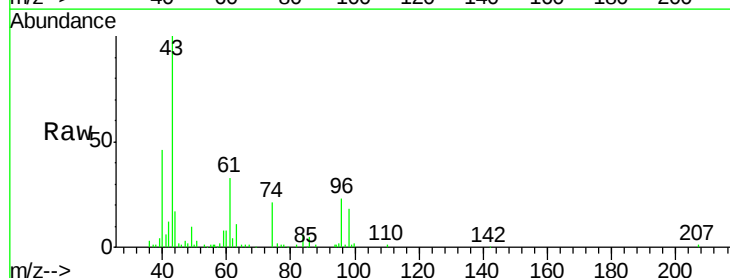
Manual Integrations
APPROVED

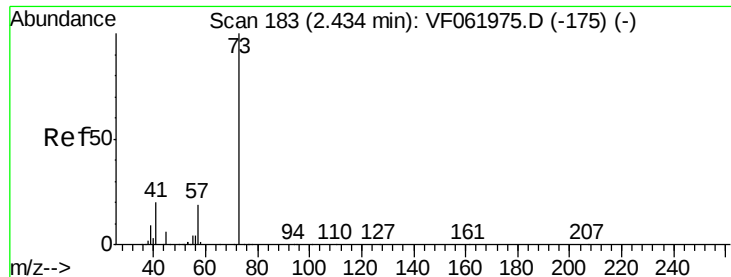
MMDadoda
3/23/2019 2:59:08 AM



#18
Methyl Acetate
Concen: 62.049 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 43 Resp: 63041
Ion Ratio Lower Upper
43 100
74 20.9 18.3 27.5





#19

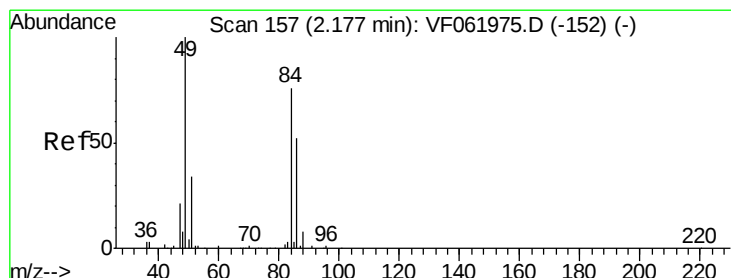
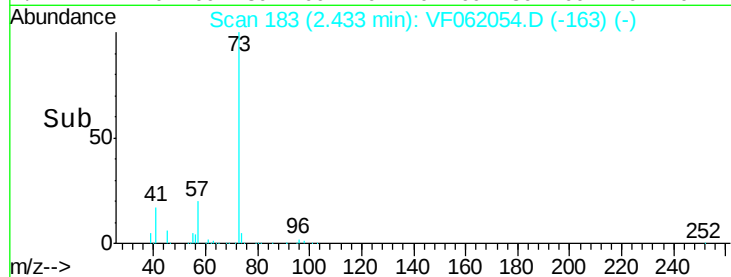
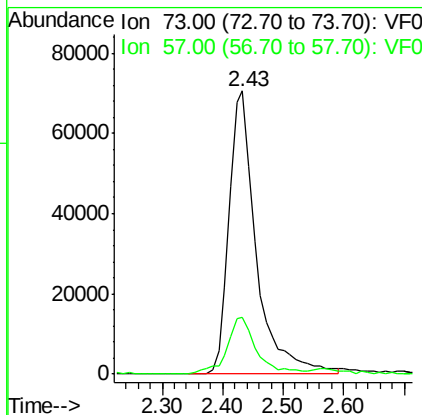
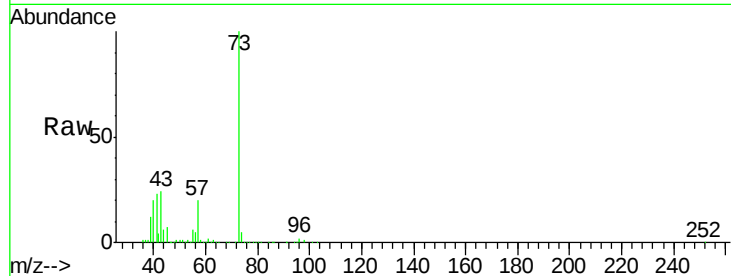
Methyl tert-butyl Ether
 Concen: 52.093 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	15.3	22.9

Manual Integrations
 APPROVED

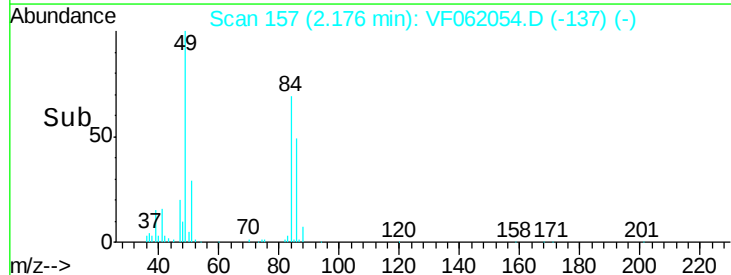
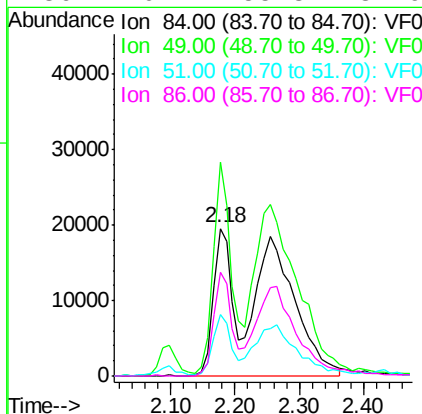
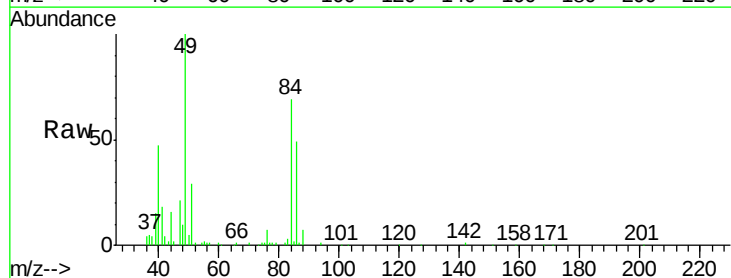
MMDadoda
 3/23/2019 2:59:08 AM

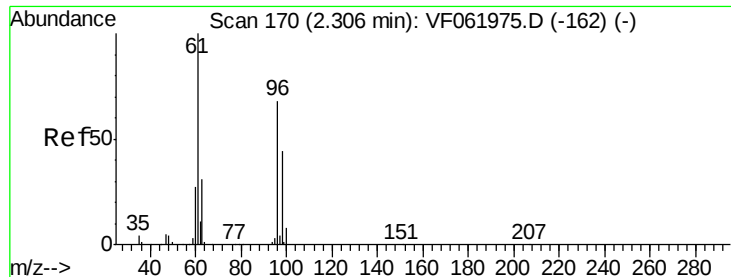


#20

Methylene Chloride
 Concen: 50.903 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.6	107.0	160.6
51	41.8	37.2	55.8
86	70.2	55.3	82.9





#21

trans-1,2-Dichloroethene

Concen: 49.510 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

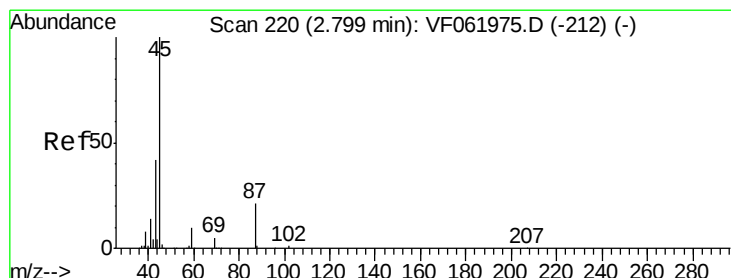
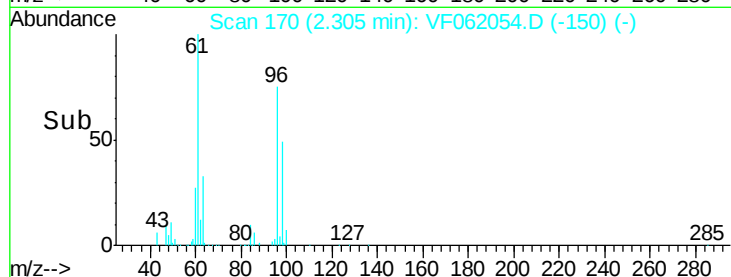
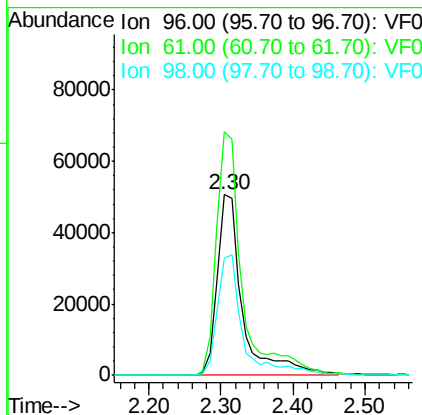
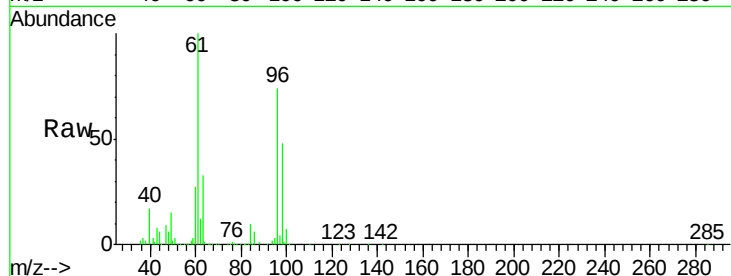
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	120949
Ion	Ratio	Lower	Upper
96	100		
61	134.6	117.4	176.2
98	64.8	51.2	76.8

Manual Integrations
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MMDadoda
3/23/2019 2:59:08 AM



#22

Diisopropyl ether

Concen: 53.222 ug/l

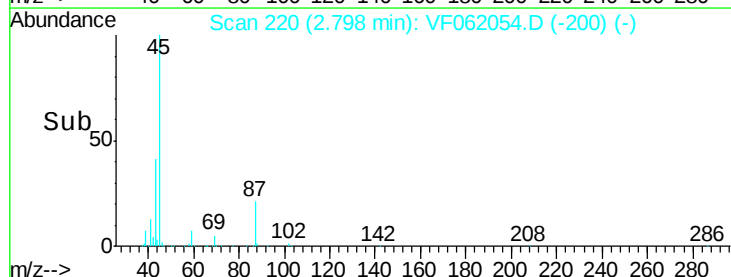
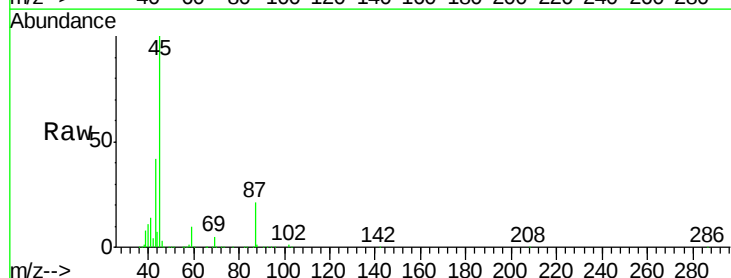
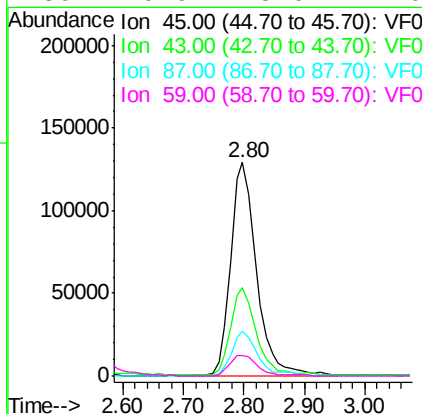
RT: 2.80 min Scan# 220

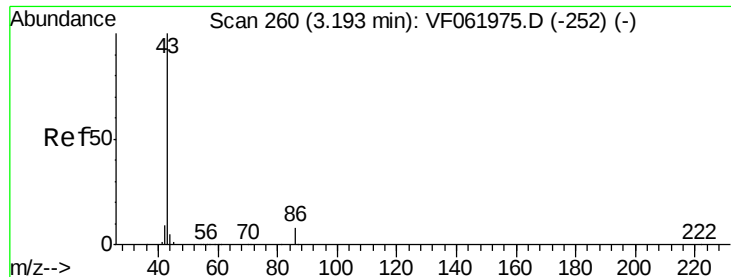
Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion:	45	Resp:	382534
Ion	Ratio	Lower	Upper
45	100		
43	41.6	33.7	50.5
87	20.9	17.1	25.7
59	9.9	8.0	12.0





#23

Vinyl Acetate

Concen: 283.224 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 802492

Ion Ratio Lower Upper

43 100

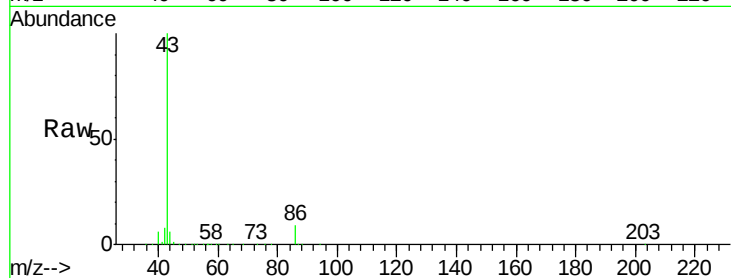
86 8.5 6.5 9.7

Manual Integrations

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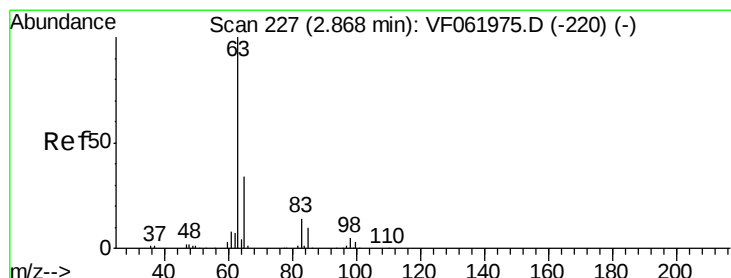
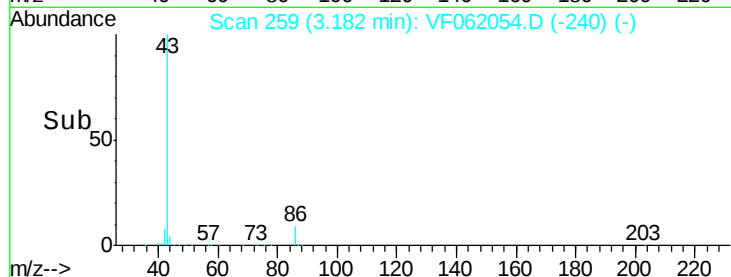
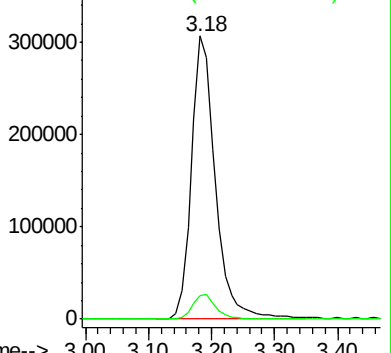
MMDadoda

3/23/2019 2:59:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 51.814 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

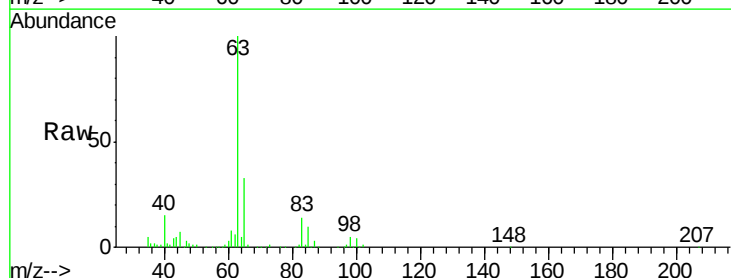
Tgt Ion: 63 Resp: 216546

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

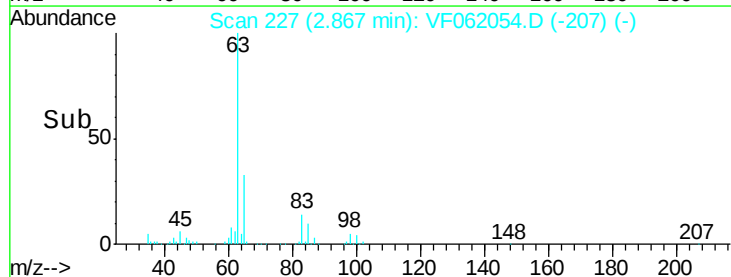
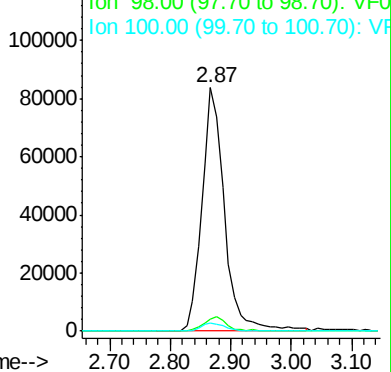
100 3.6 1.7 5.0

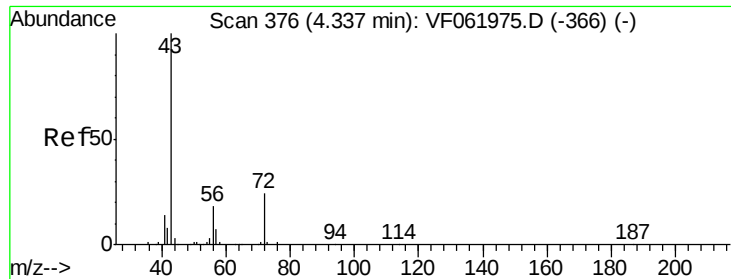


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 276.776 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 245752

Ion Ratio Lower Upper

43 100

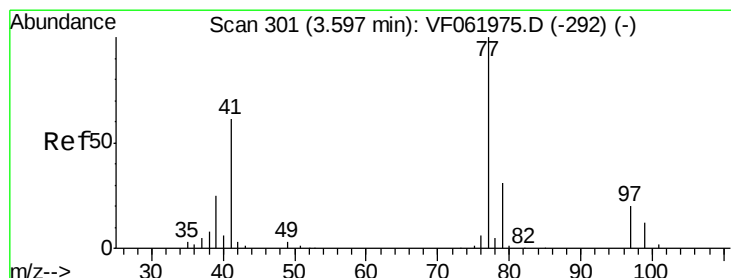
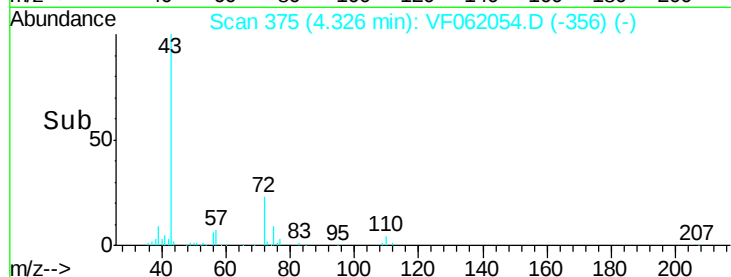
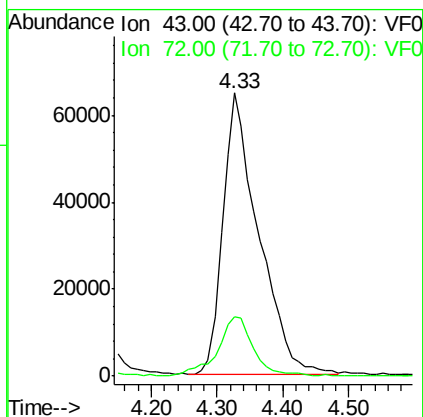
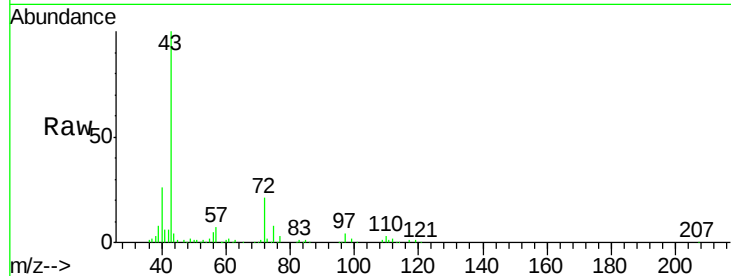
72 21.1 19.8 29.6

Manual Integrations

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3/23/2019 2:59:08 AM



#26

2,2-Dichloropropane

Concen: 47.851 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF062054.D

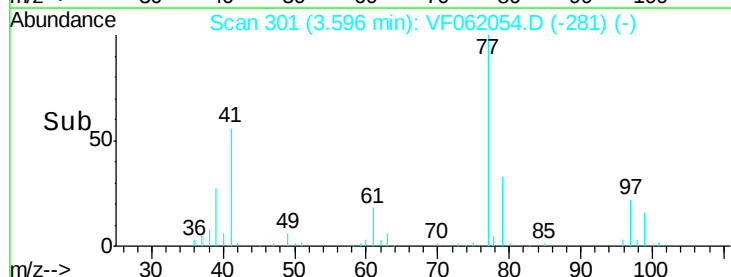
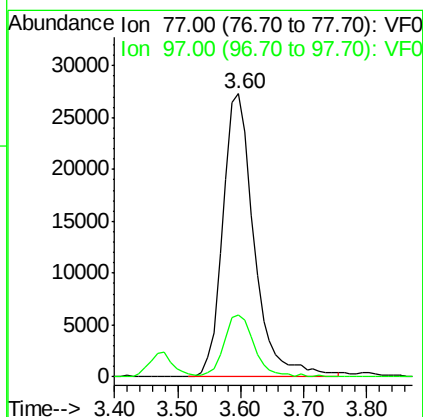
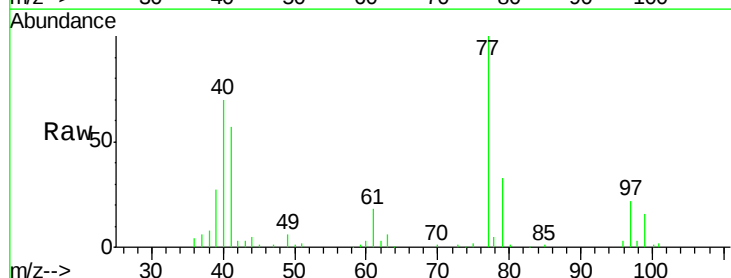
Acq: 21 Mar 2019 11:48

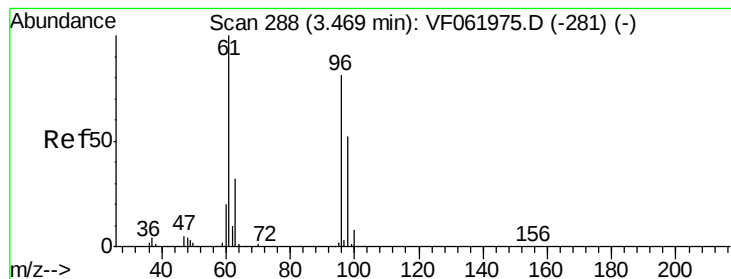
Tgt Ion: 77 Resp: 94329

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.4





#27

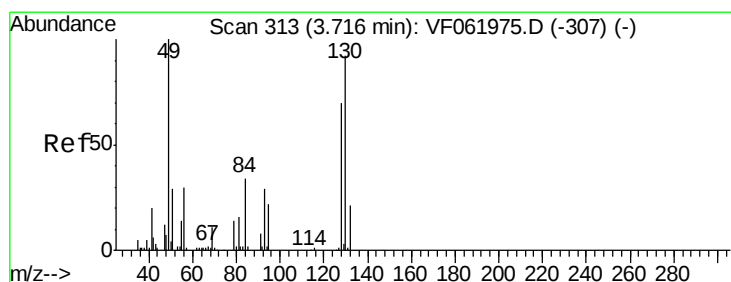
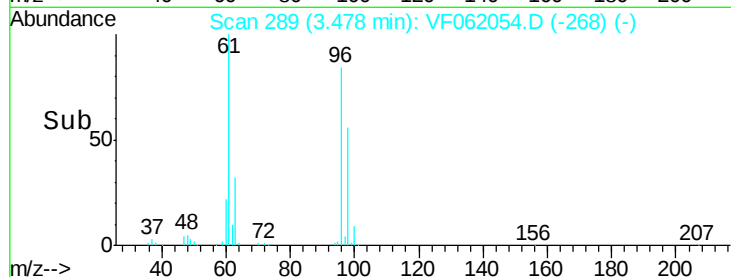
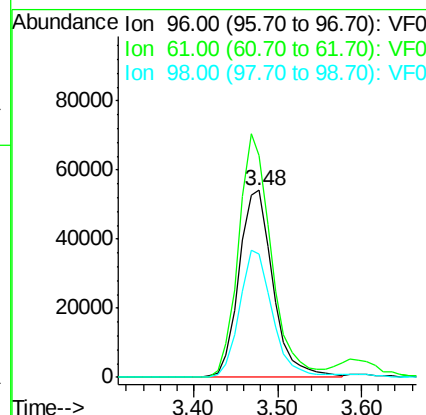
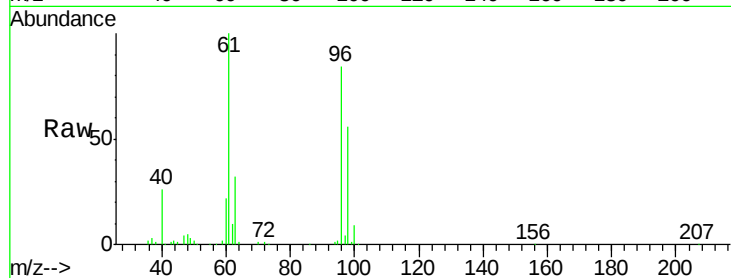
cis-1,2-Dichloroethene
 Concen: 49.736 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	118.8	0.0	246.6
98	66.3	0.0	129.2

Manual Integrations
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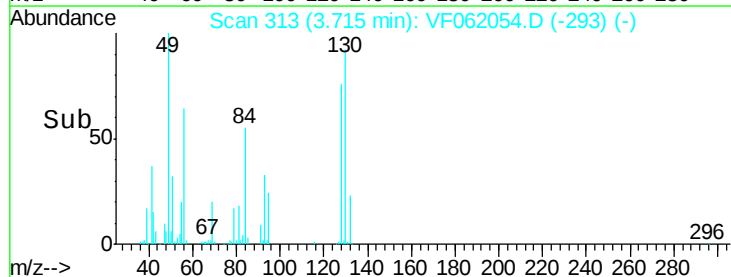
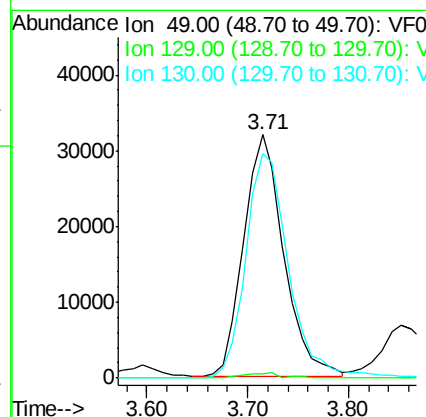
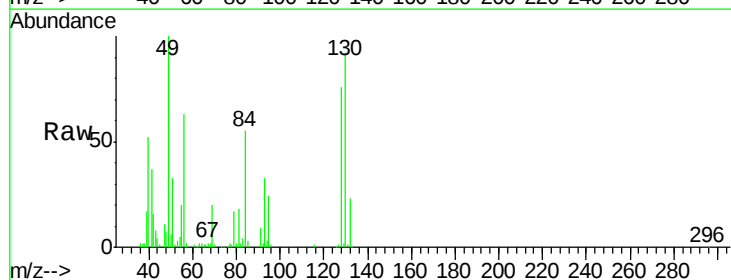
MMDadoda
 3/23/2019 2:59:08 AM

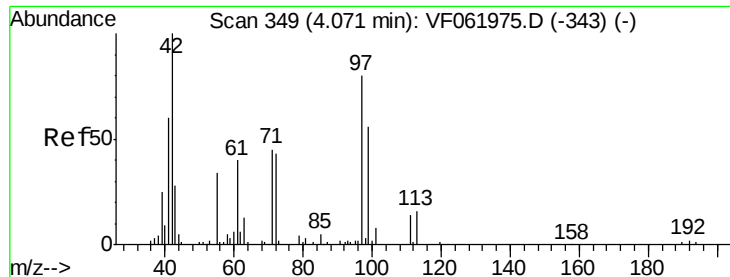


#28

Bromochloromethane
 Concen: 51.279 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	1.9	0.0	5.8
130	92.1	73.1	109.7





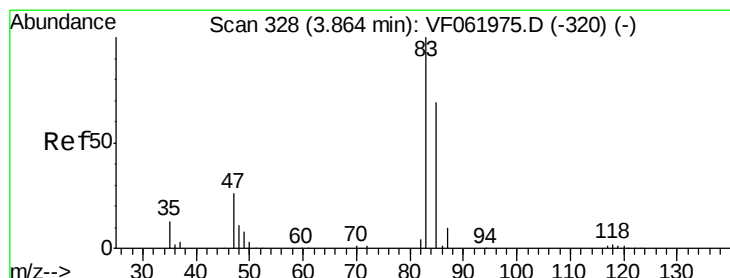
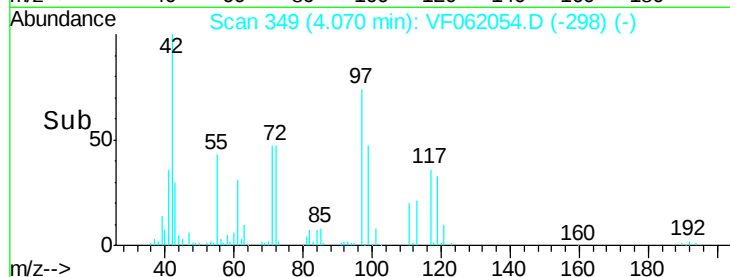
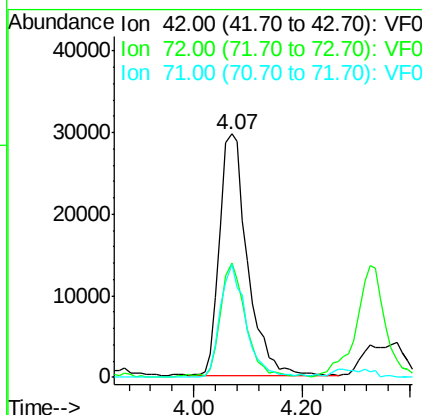
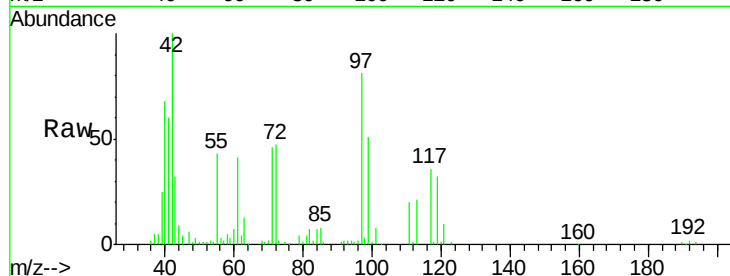
#29
Tetrahydrofuran
Concen: 276.929 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.0	51.0
71	42.7	34.2	51.4

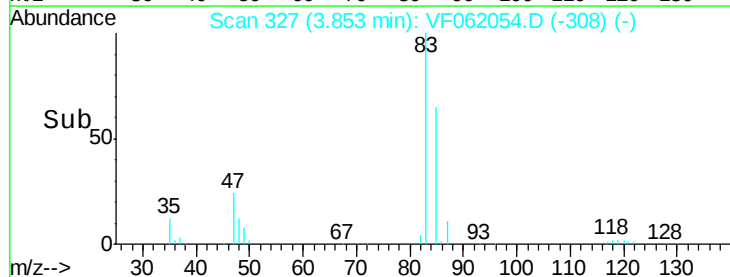
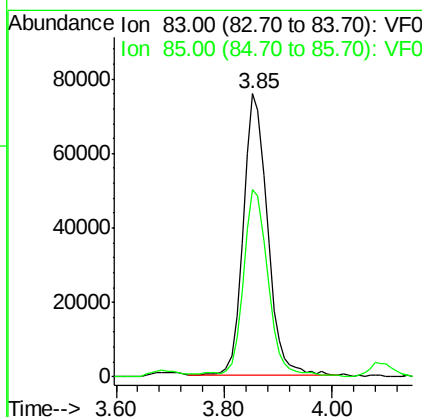
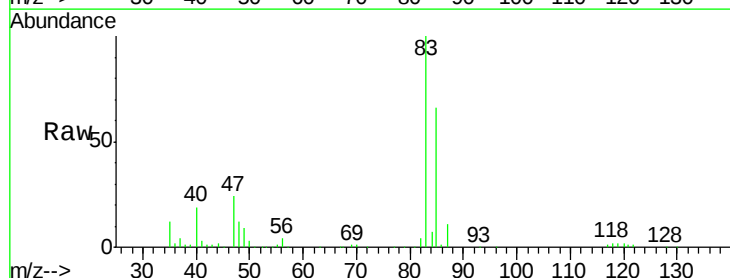
Manual Integrations
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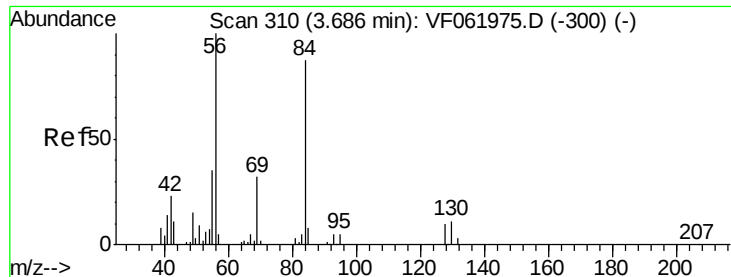
MMDadoda
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#30
Chloroform
Concen: 49.627 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	55.5	83.3





#31

Cyclohexane

Concen: 48.776 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

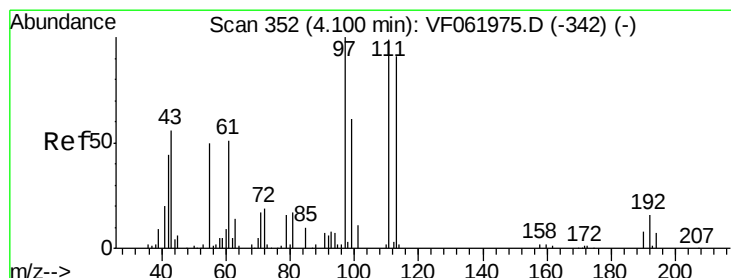
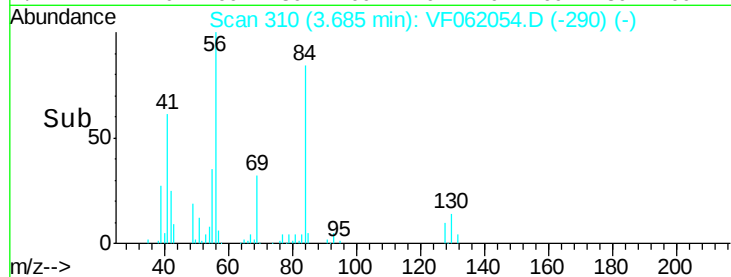
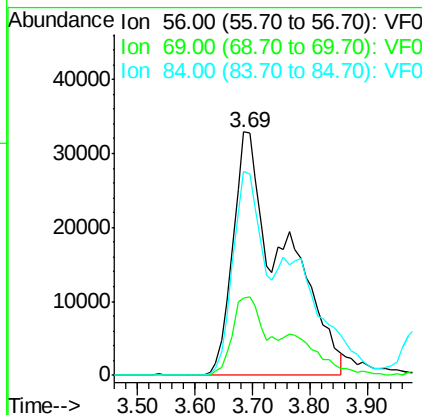
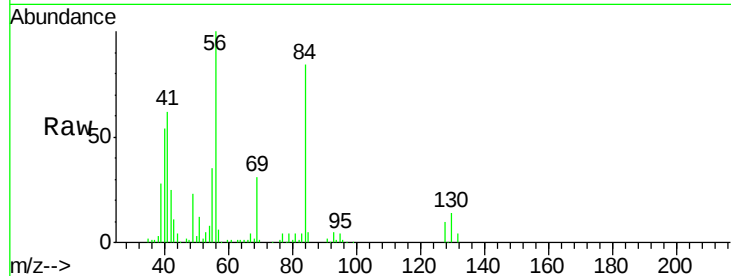
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	201378
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.8	38.8
84	83.9	69.5	104.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.781 ug/l

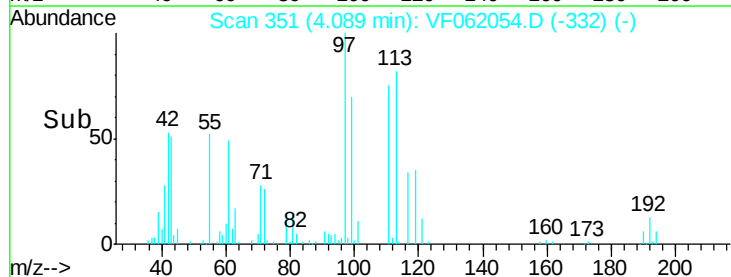
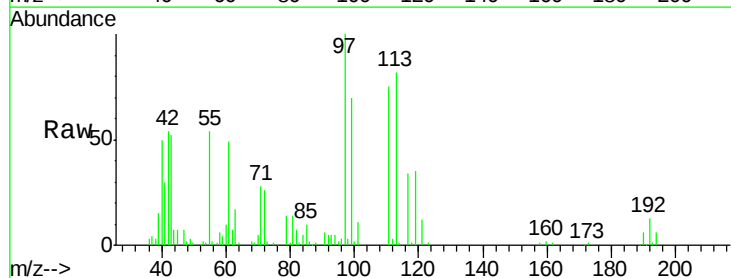
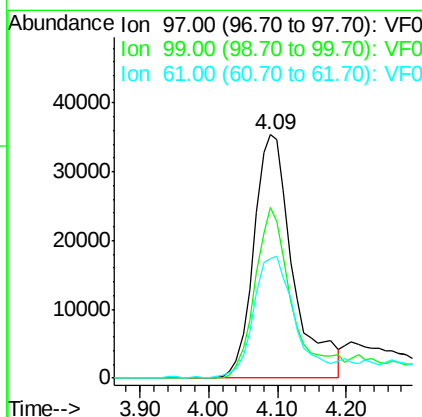
RT: 4.09 min Scan# 351

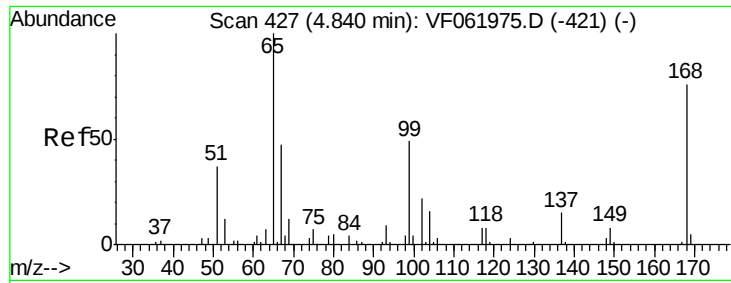
Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion	97	Resp	140825
Ion	Ratio	Lower	Upper
97	100		
99	70.3	49.0	73.4
61	49.1	41.4	62.0





#33

1,2-Dichloroethane-d4

Concen: 49.983 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tot Ion: 65 Resp: 99794

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.4

Instrument :

MSVOA_F

ClientSampleId :

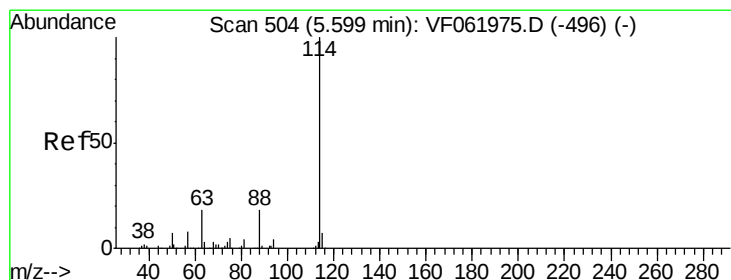
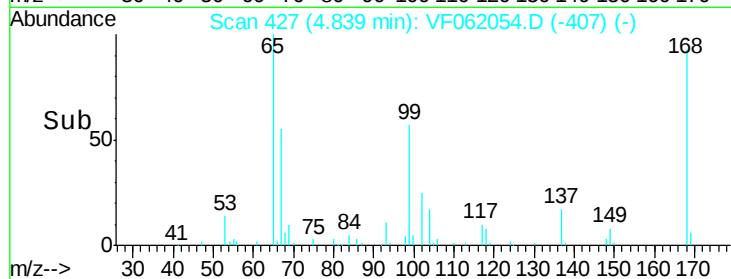
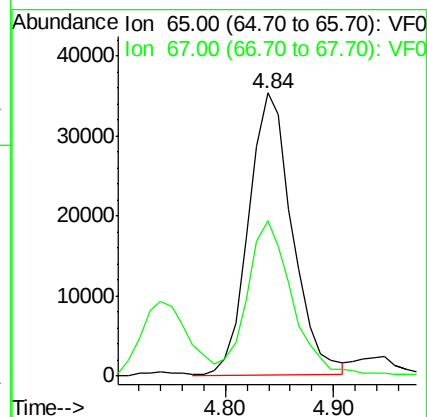
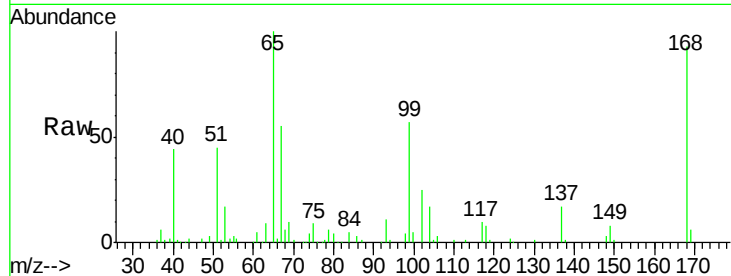
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

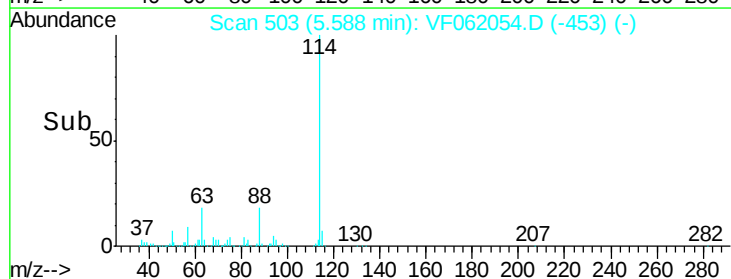
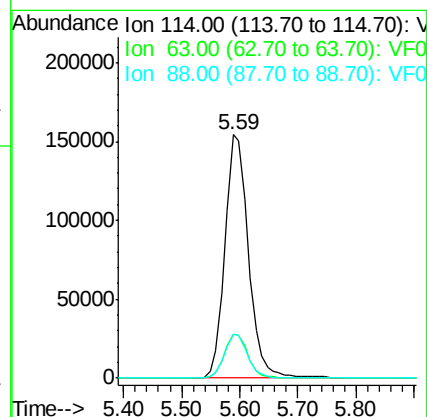
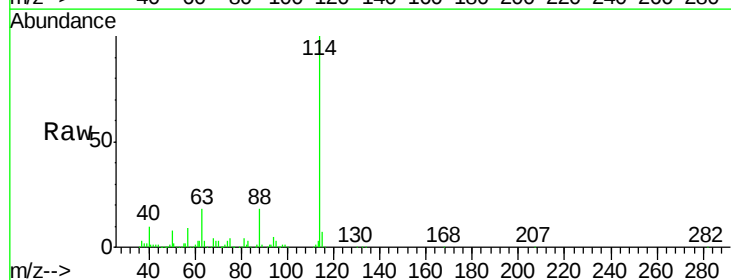
Tgt Ion: 114 Resp: 433111

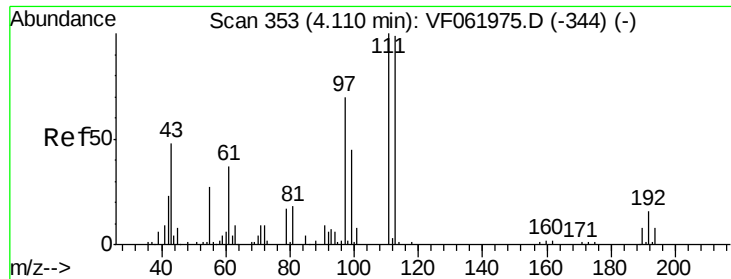
Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.4

88 18.1 0.0 36.4





#35

Dibromofluoromethane

Concen: 49.876 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

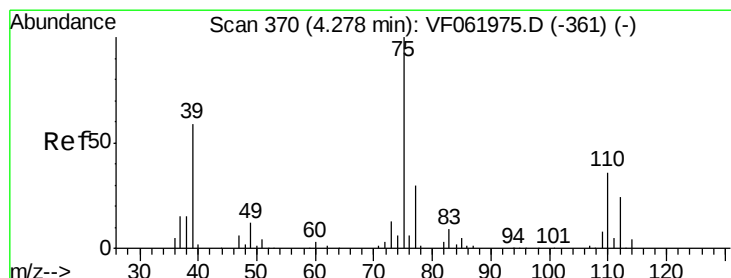
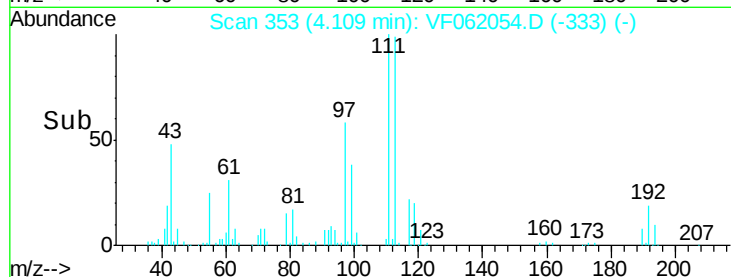
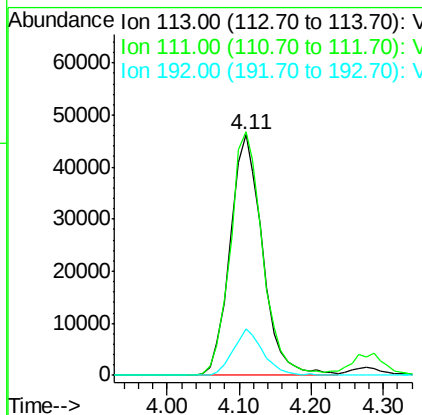
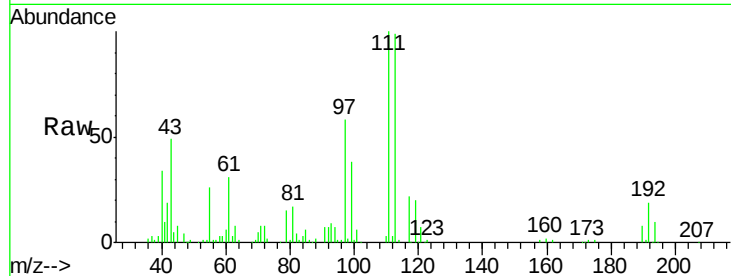
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	145061
Ion Ratio	Lower	Upper	
113	100		
111	101.1	80.8	121.2
192	19.1	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.609 ug/l

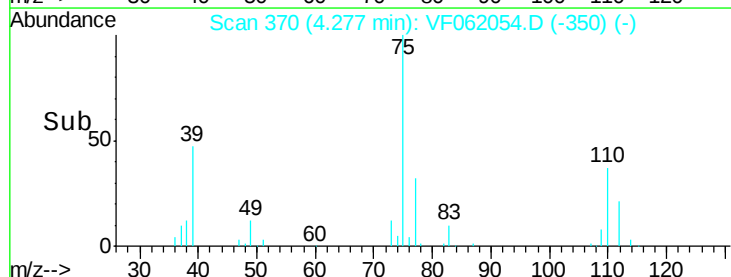
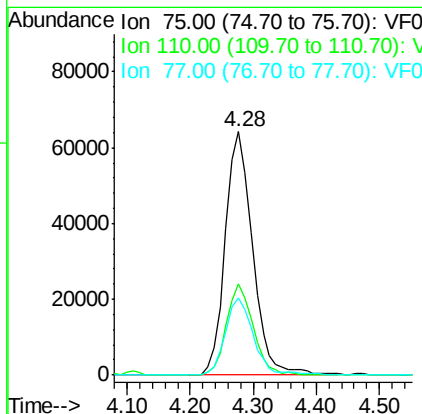
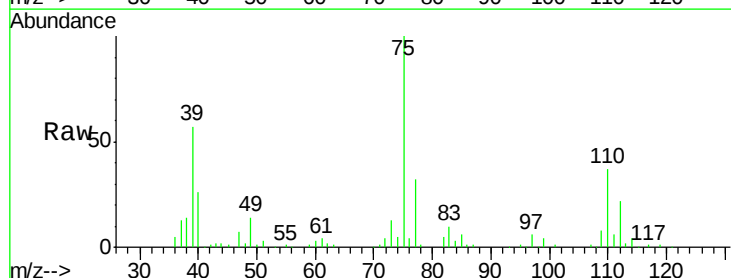
RT: 4.28 min Scan# 370

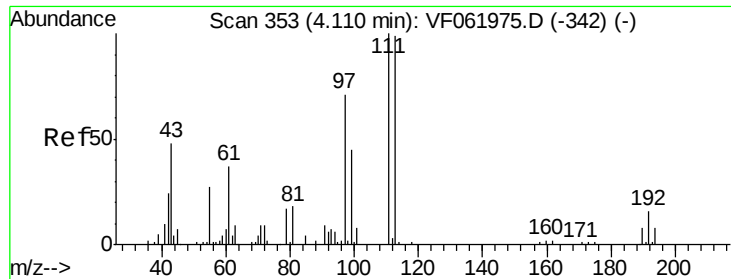
Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion:	75	Resp:	194030
Ion Ratio	Lower	Upper	
75	100		
110	37.3	17.8	53.3
77	32.0	24.2	36.2





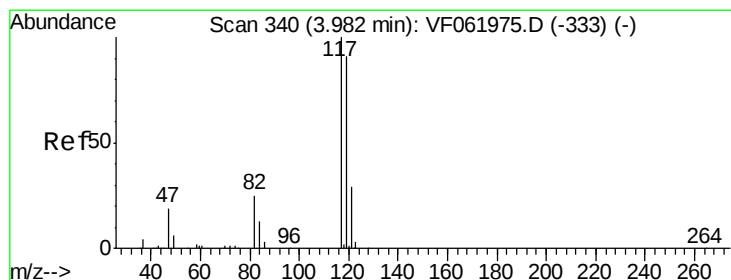
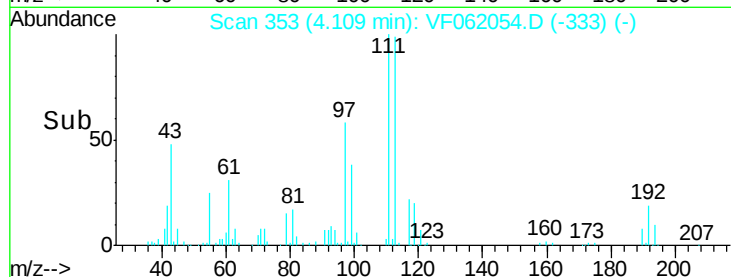
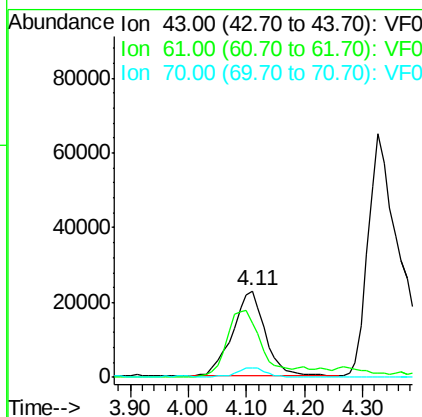
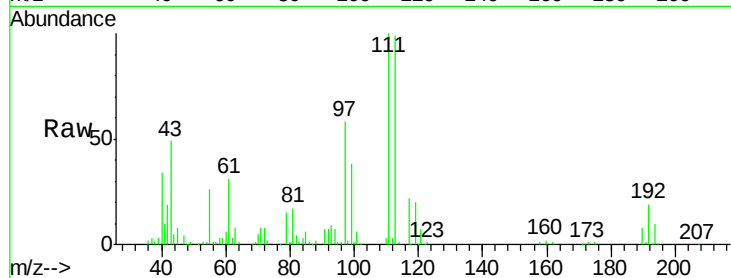
#37
Ethyl Acetate
Concen: 50.934 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	62.8	59.8	89.6
70	10.9	7.8	11.8

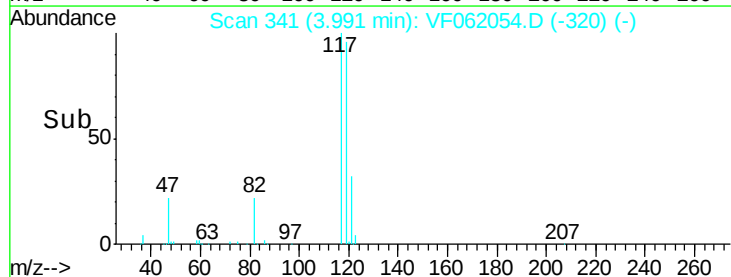
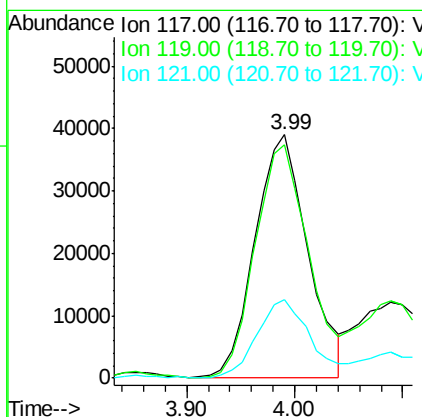
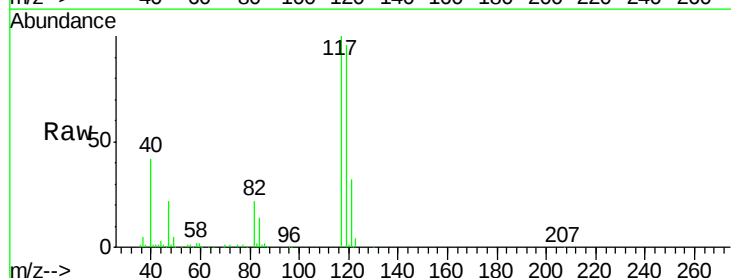
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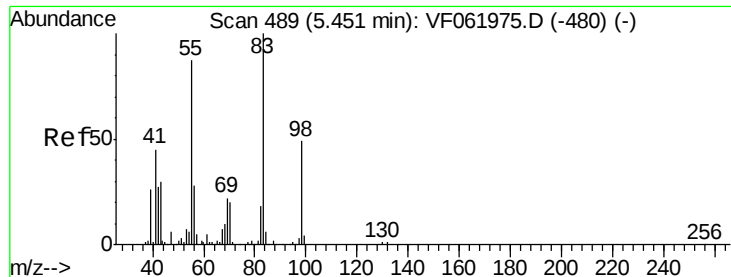
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.252 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.0	109.4
121	32.3	23.0	34.6





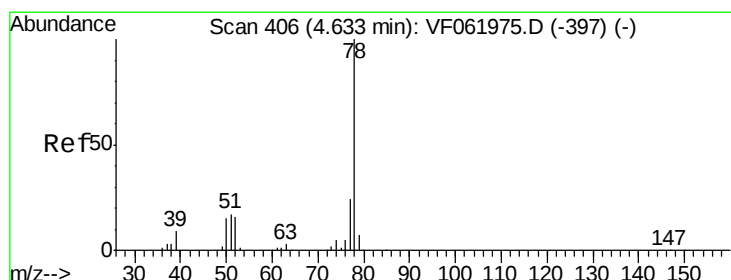
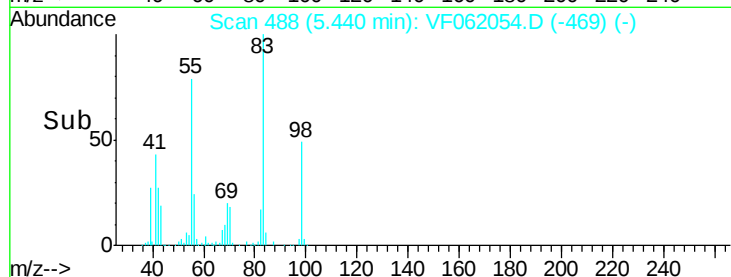
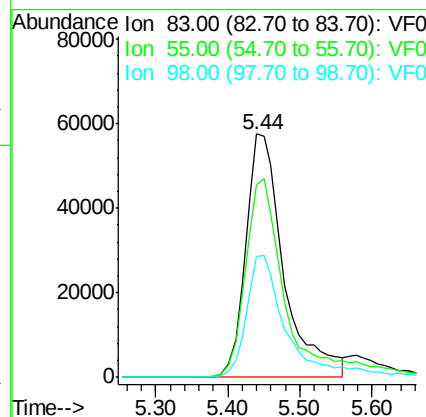
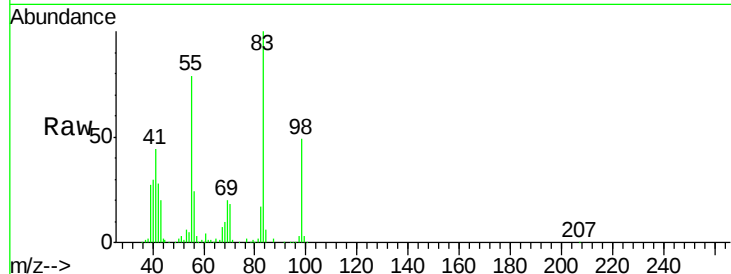
#39
Methvlcvclohexane
Concen: 46.401 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	69.7	104.5
98	49.5	39.4	59.0

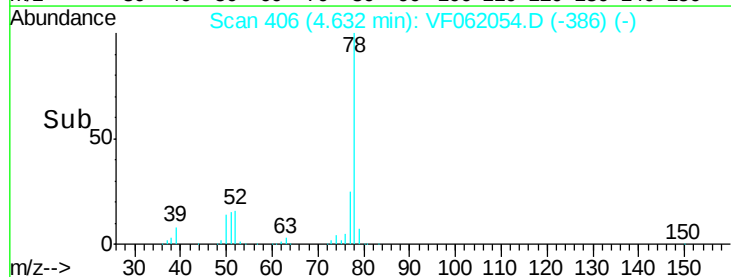
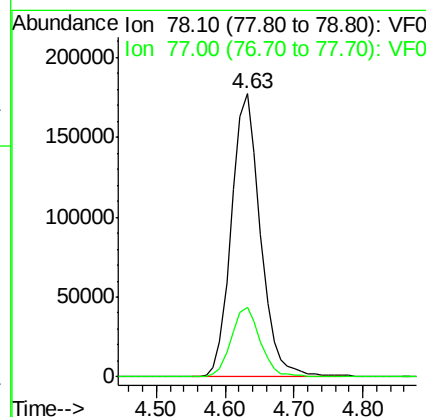
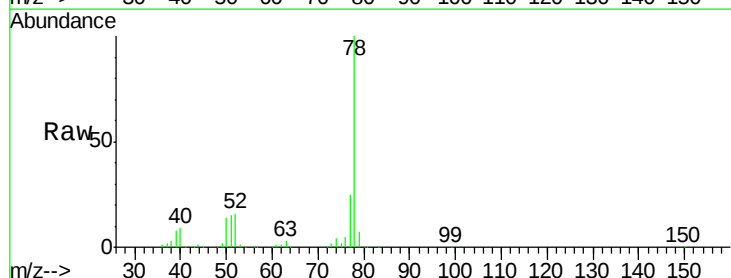
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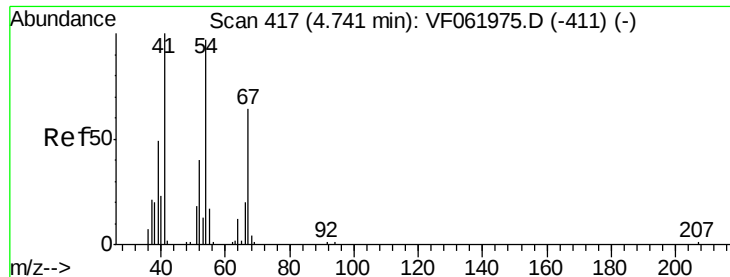
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#40
Benzene
Concen: 50.117 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4





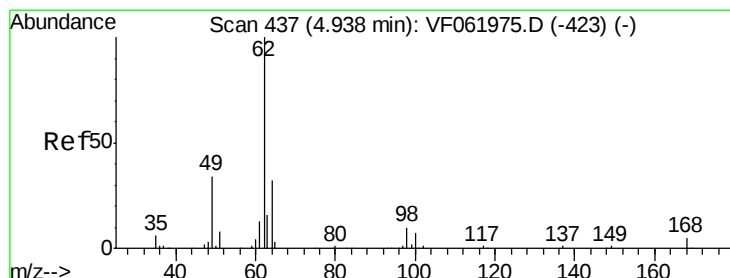
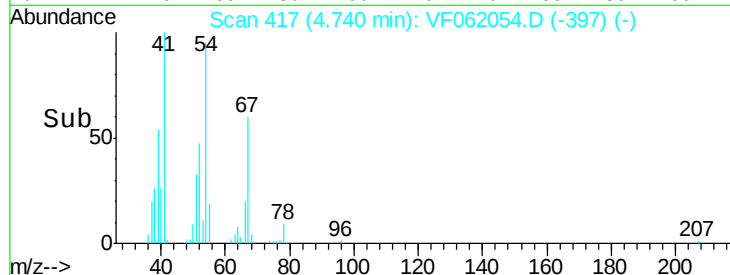
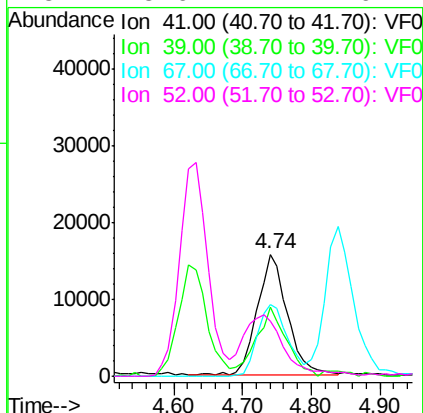
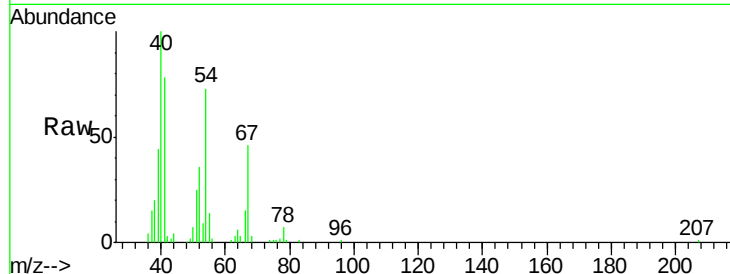
#41
Methacrylonitrile
Concen: 51.582 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	46.2	69.4	
67	58.6	49.8	74.8	
52	45.6	42.7	64.1	

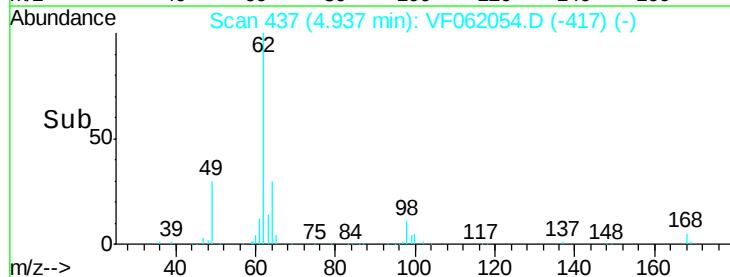
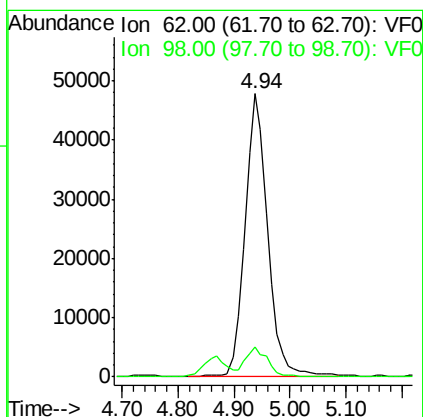
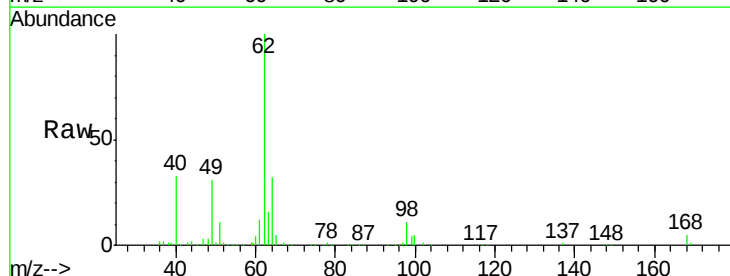
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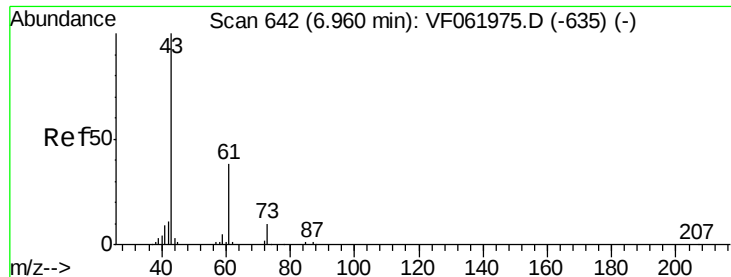
MMDadoda
3/23/2019 2:59:08 AM



#42
1,2-Dichloroethane
Concen: 52.033 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	19.8	





#43

Isopropyl Acetate

Concen: 50.576 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

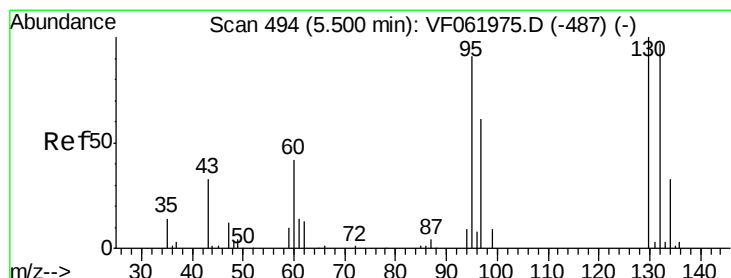
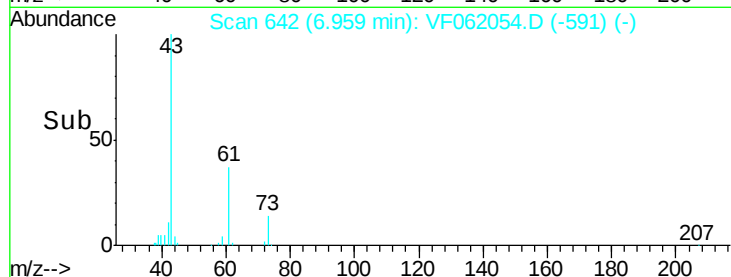
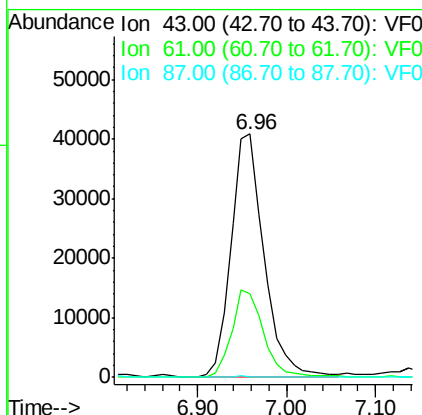
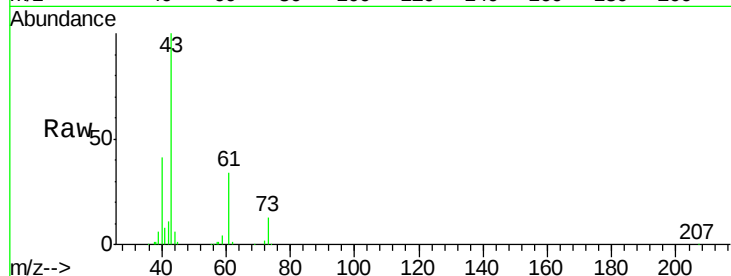
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	105089
Ion	Ratio	Lower	Upper
43	100		
61	34.1	30.1	45.1
87	0.0	0.4	0.6

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#44

Trichloroethene

Concen: 48.223 ug/l

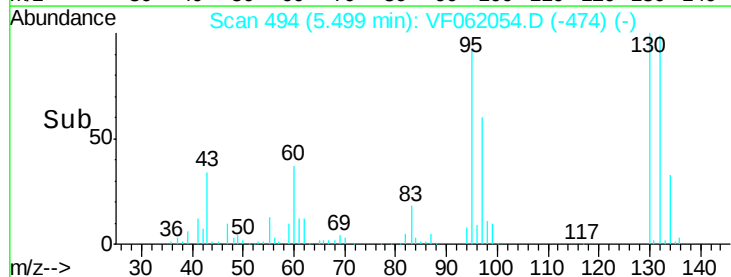
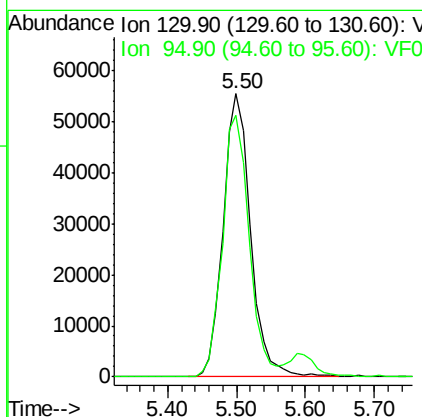
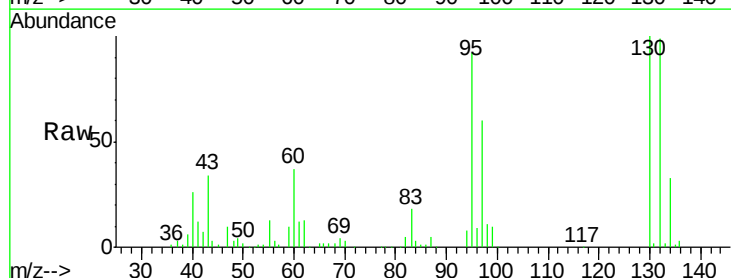
RT: 5.50 min Scan# 494

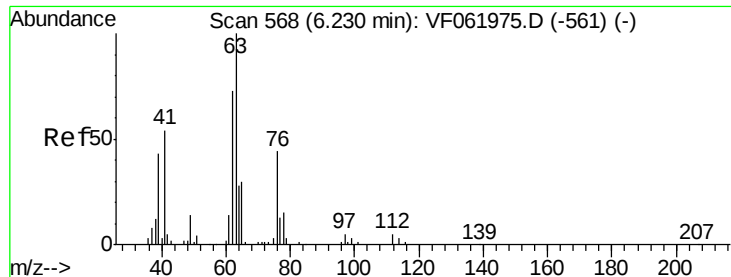
Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion:	130	Resp:	153098
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	181.4





#45

1,2-Dichloropropane

Concen: 48.722 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 119498

Ion Ratio Lower Upper

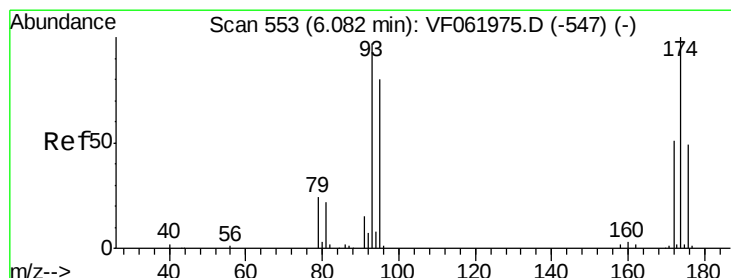
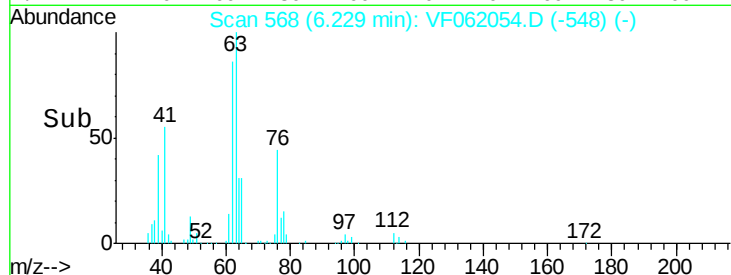
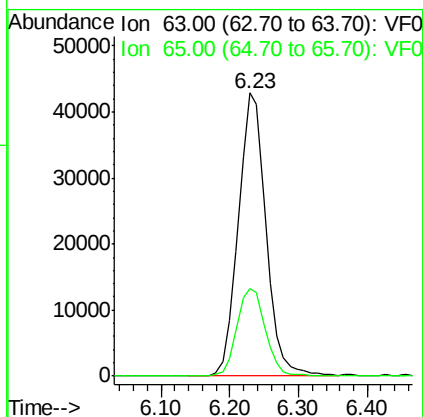
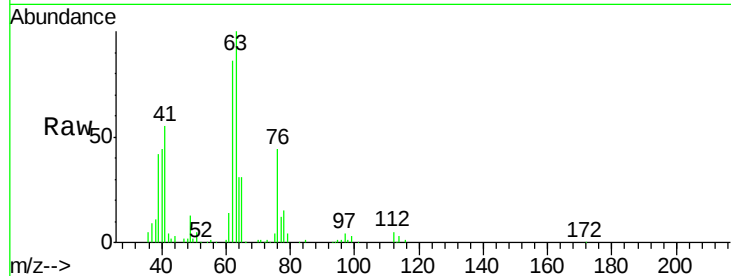
63 100

65 31.0 23.7 35.5

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#46

Dibromomethane

Concen: 54.049 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

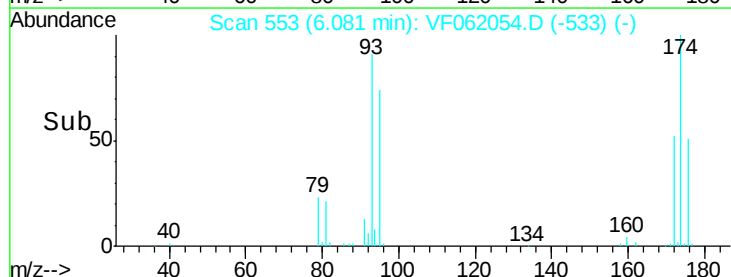
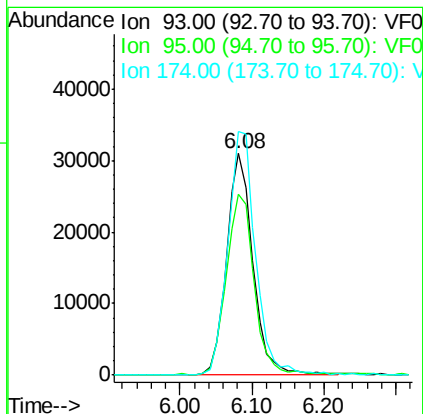
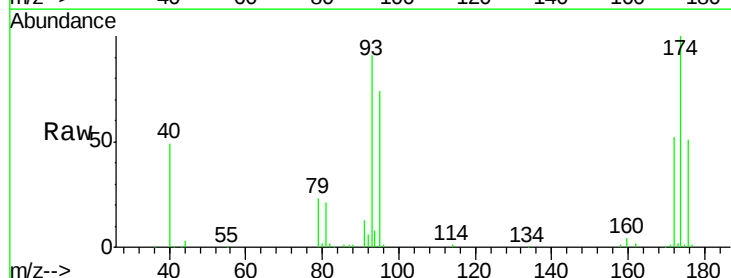
Tgt Ion: 93 Resp: 78859

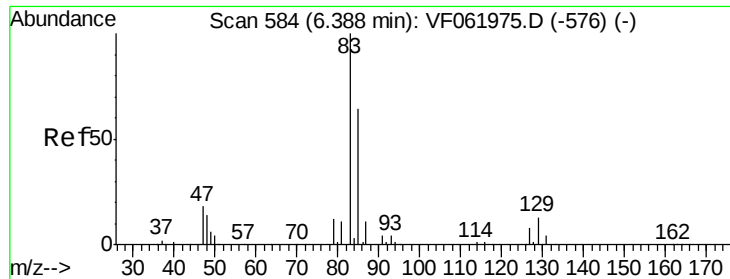
Ion Ratio Lower Upper

93 100

95 81.8 65.7 98.5

174 109.8 82.2 123.4





#47

Bromodichloromethane

Concen: 49.694 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

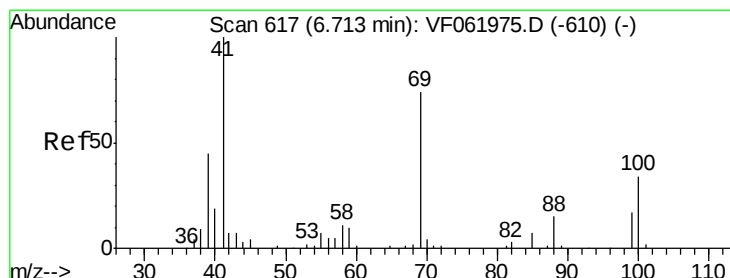
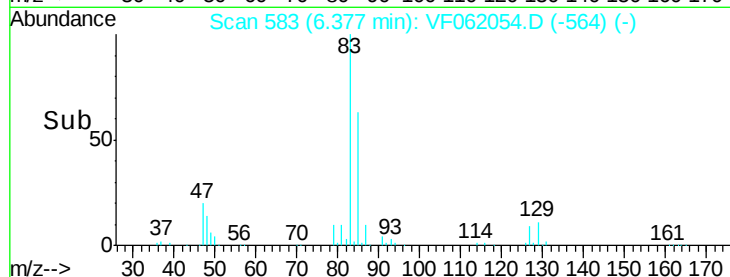
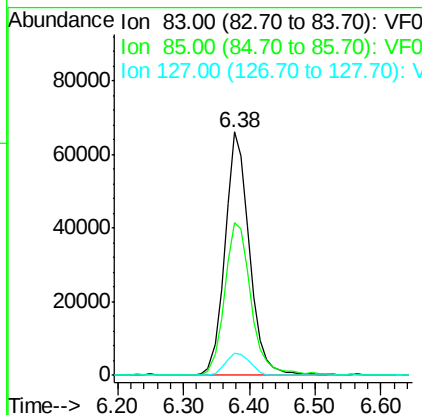
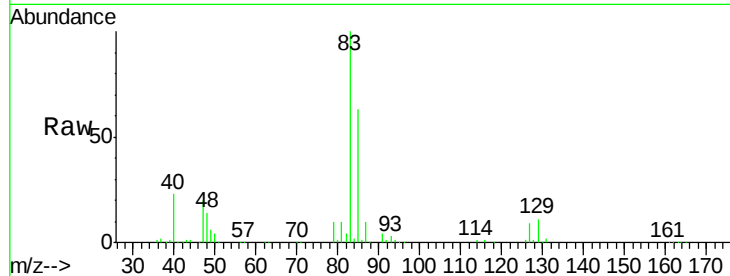
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	170937
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.4	77.2
127	9.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.231 ug/l

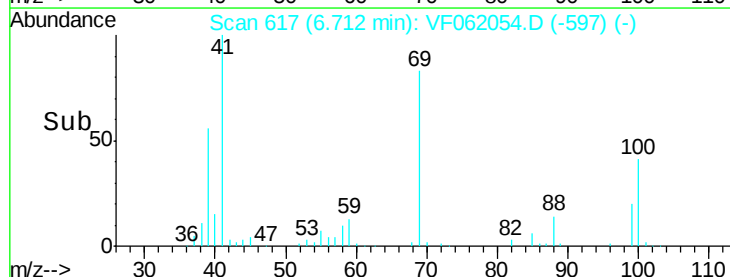
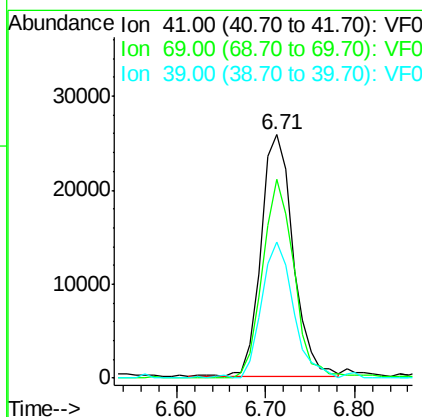
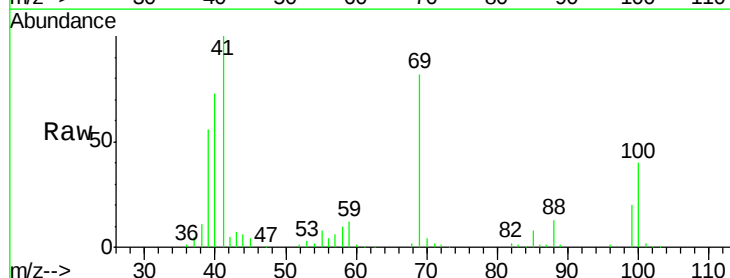
RT: 6.71 min Scan# 617

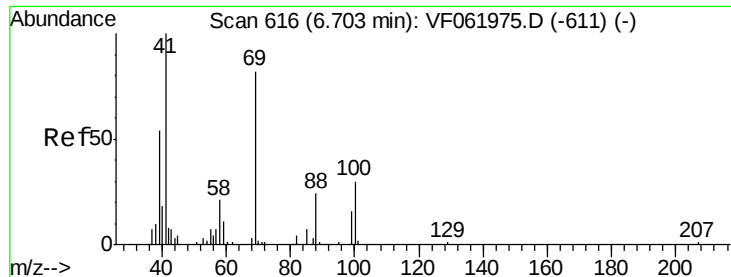
Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion:	41	Resp:	64769
Ion Ratio	Lower	Upper	
41	100		
69	81.8	59.0	88.6
39	55.7	35.6	53.4#





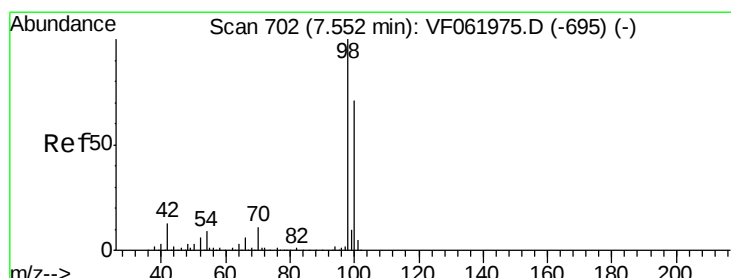
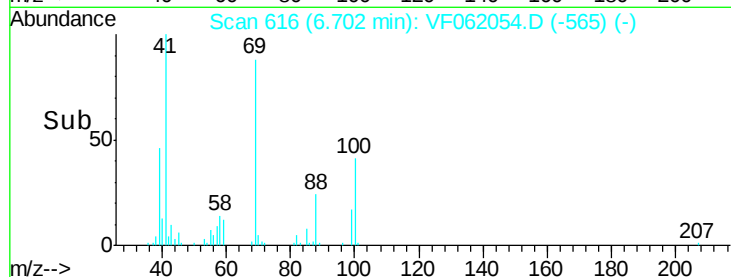
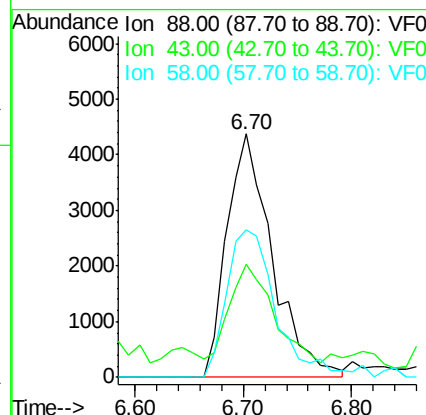
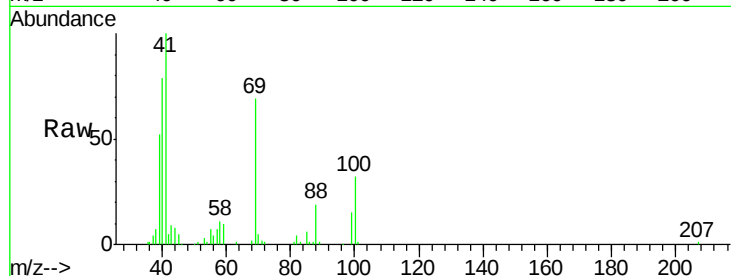
#49
1,4-Dioxane
Concen: 1069.151 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	12771
Ion	Ratio	Lower	Upper
88	100		
43	46.4	31.2	46.8
58	60.8	69.9	104.9#

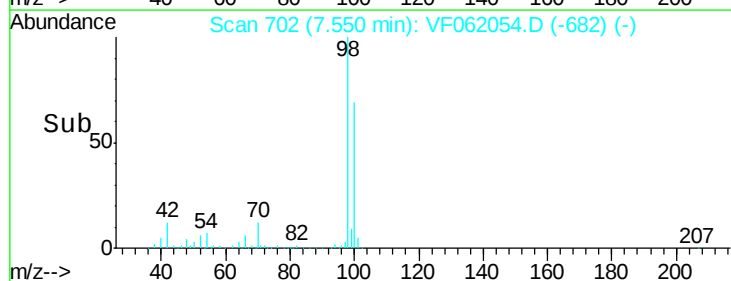
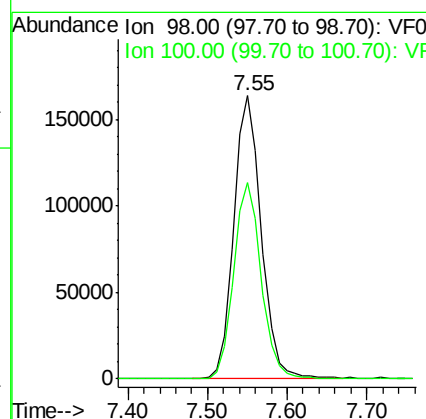
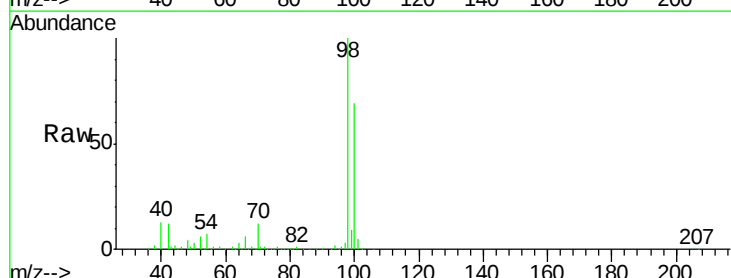
Manual Integrations
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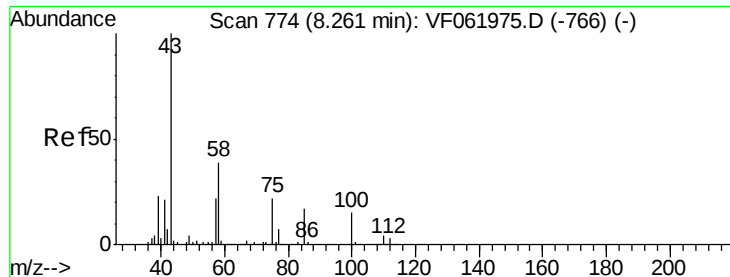
MMDadoda
3/23/2019 2:59:08 AM



#50
Toluene-d8
Concen: 46.505 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	98	Resp	395397
Ion	Ratio	Lower	Upper
98	100		
100	69.3	56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 268.315 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 395897

Ion Ratio Lower Upper

43 100

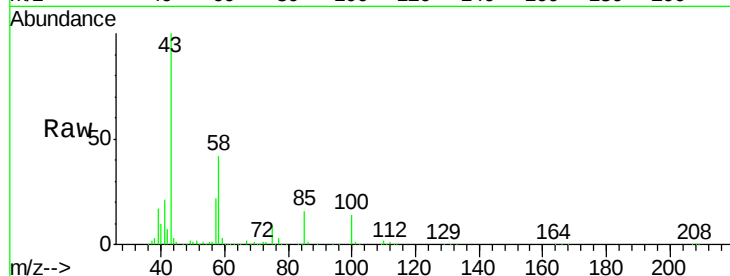
58 42.0 31.1 46.7

Manual Integrations

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MMDadoda

3/23/2019 2:59:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

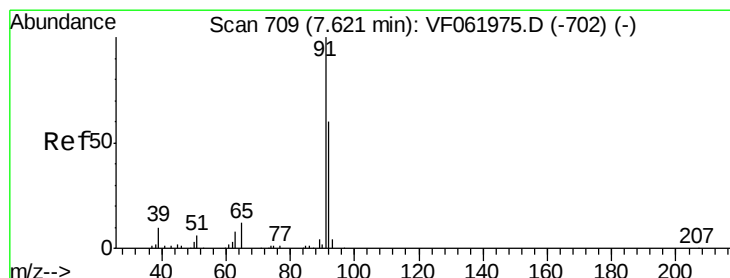
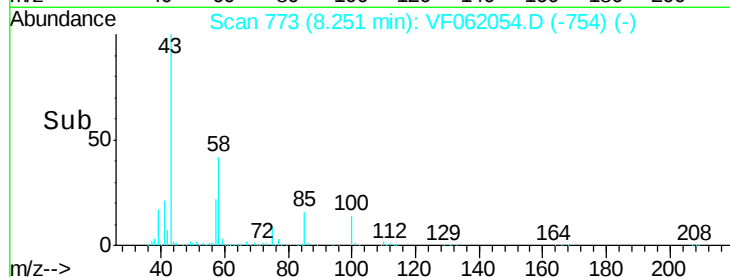
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 48.277 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF062054.D

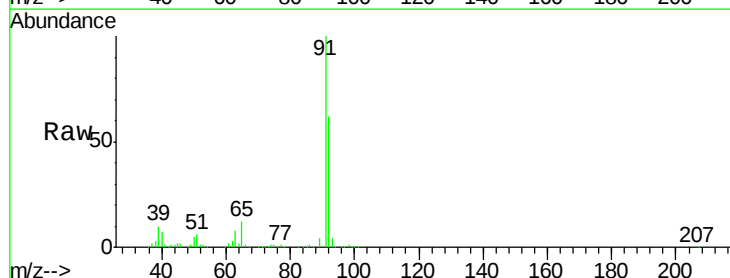
Acq: 21 Mar 2019 11:48

Tgt Ion: 92 Resp: 305701

Ion Ratio Lower Upper

92 100

91 160.9 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

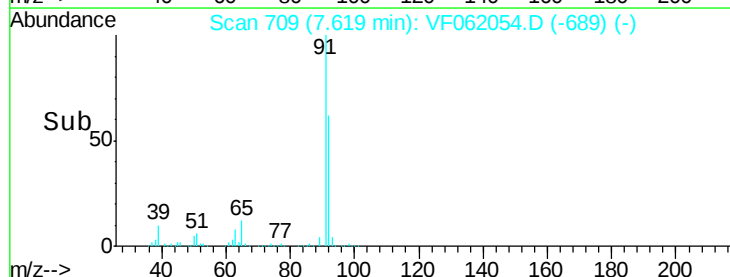
150000

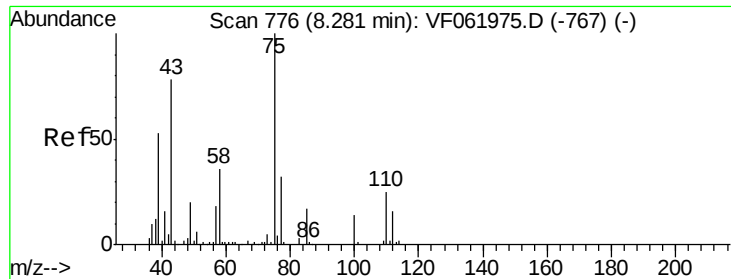
100000

50000

0

Time-->





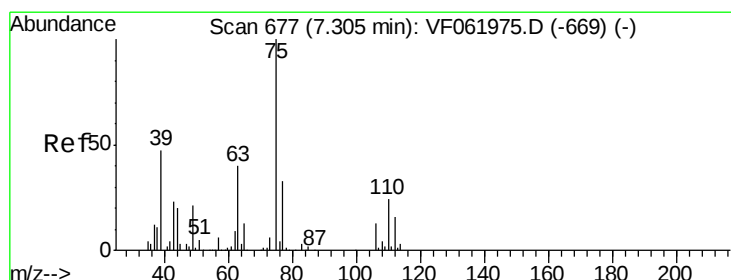
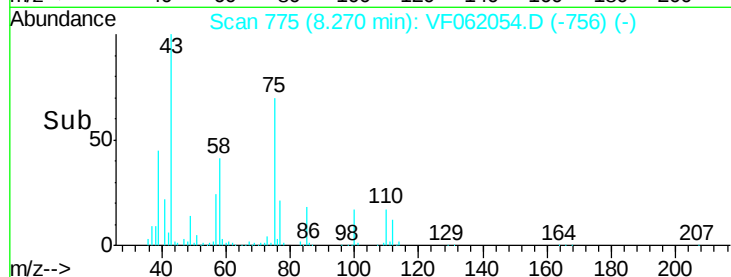
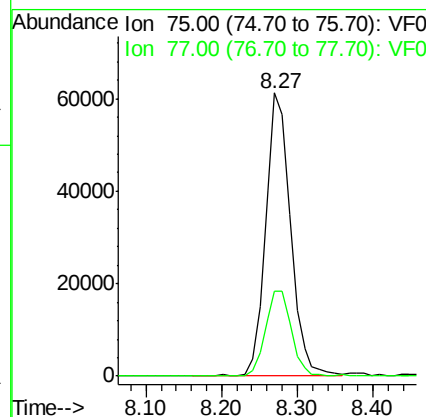
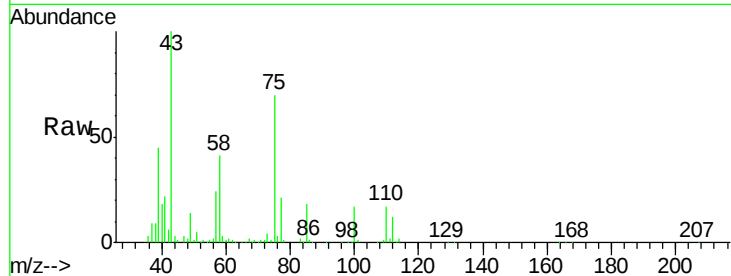
#53
t-1,3-Dichloropropene
Concen: 48.639 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.5	38.3

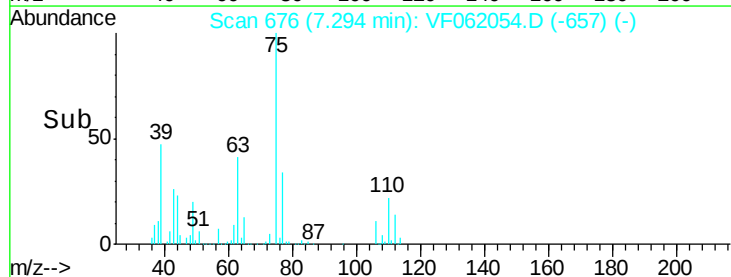
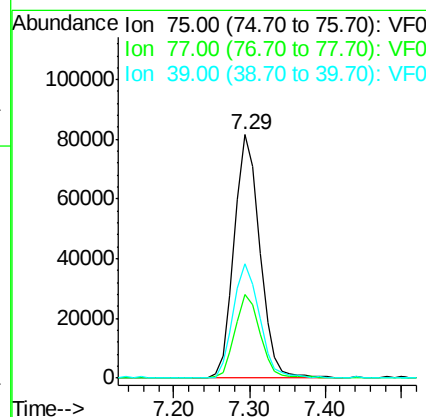
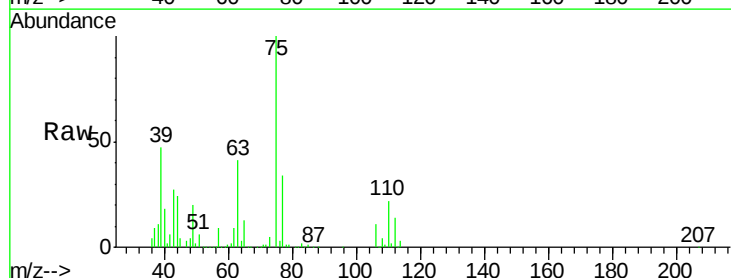
Manual Integrations
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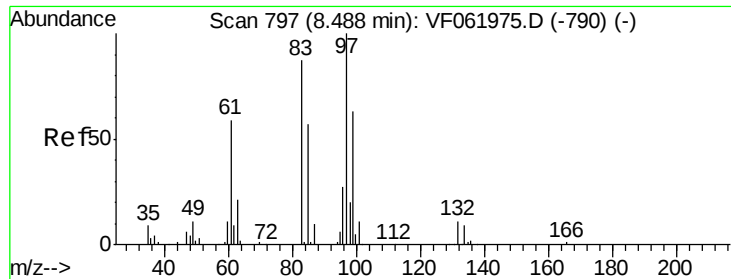
MMDadoda
3/23/2019 2:59:08 AM



#54
cis-1,3-Dichloropropene
Concen: 50.695 ug/l
RT: 7.29 min Scan# 676
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.2	26.4	39.6
39	47.1	38.0	57.0





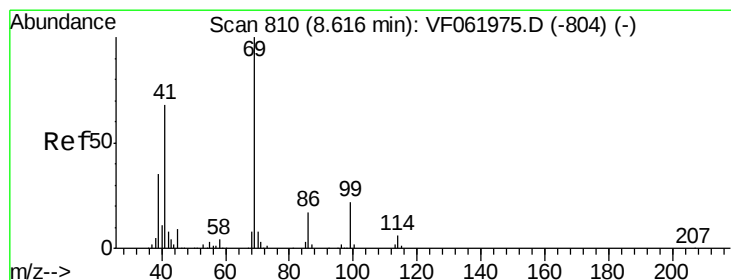
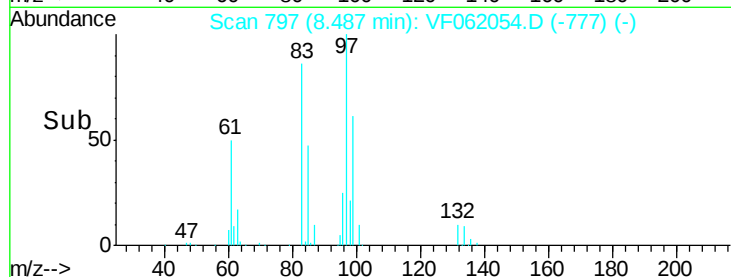
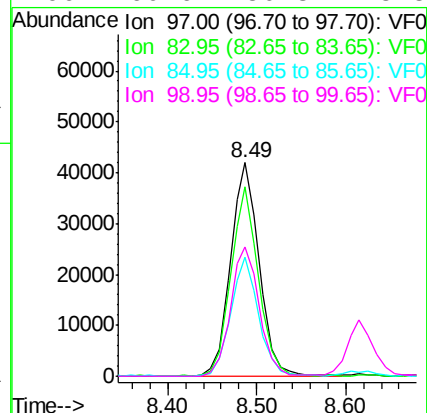
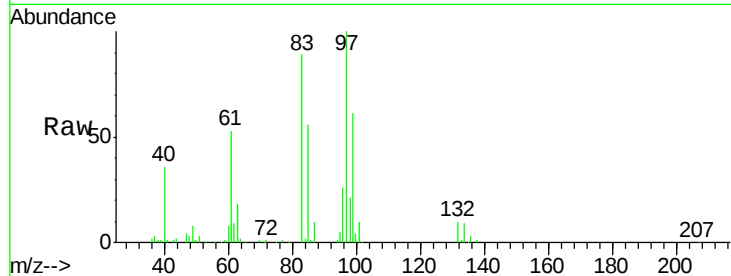
#55
 1,1,2-Trichloroethane
 Concen: 53.450 ug/l
 RT: 8.49 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	94464		
83	83	88.8		69.7	104.5
85	85	56.0		45.8	68.6
99	99	60.6		50.3	75.5

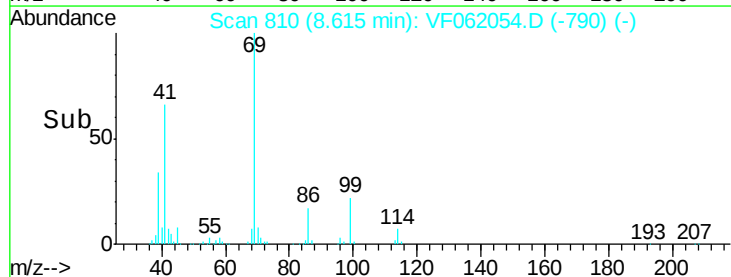
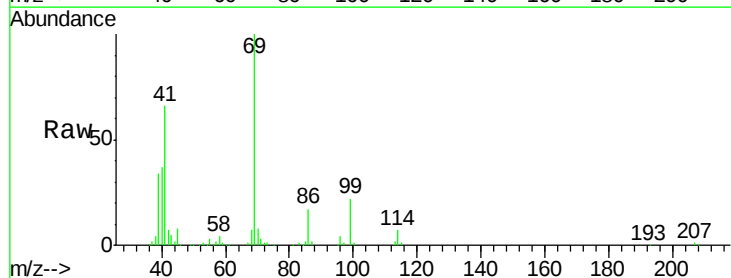
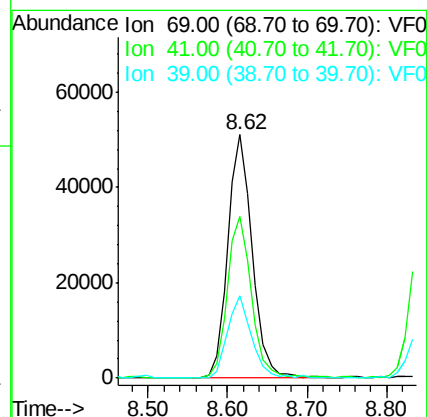
Manual Integrations
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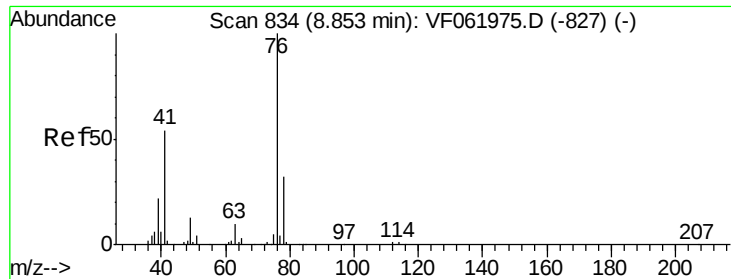
MMDadoda
 3/23/2019 2:59:08 AM



#56
 Ethyl methacrylate
 Concen: 55.112 ug/l
 RT: 8.62 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	110722		
41	41	66.3		54.7	82.1
39	39	33.6		27.9	41.9





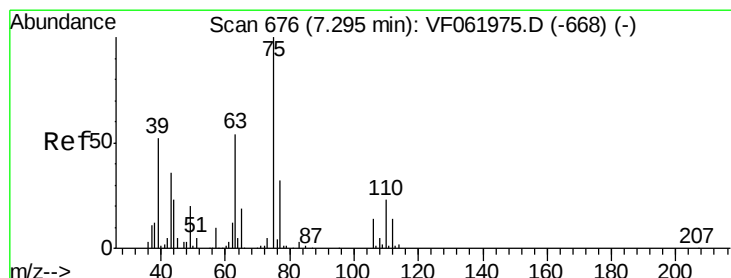
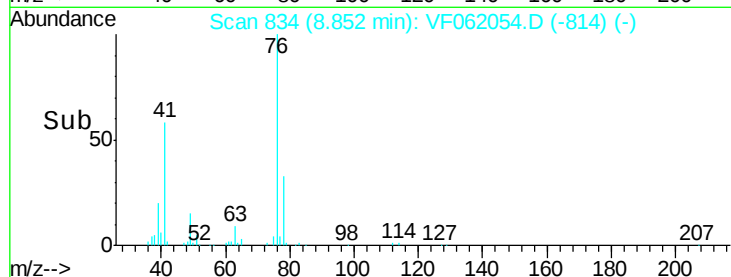
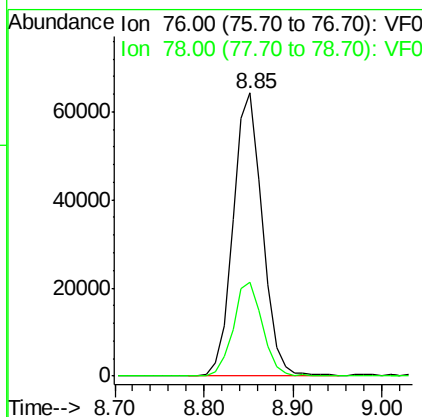
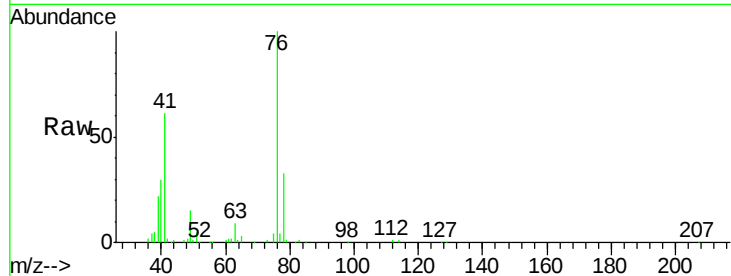
#57
 1,3-Dichloropropane
 Concen: 50.104 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.4	38.2

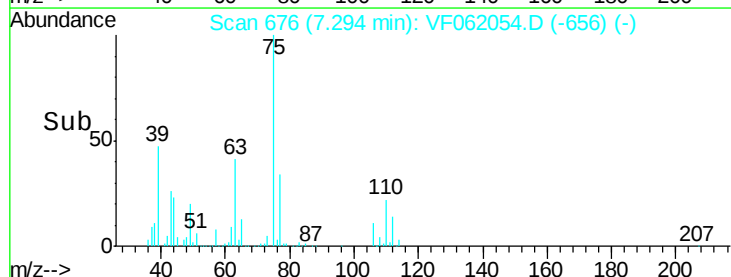
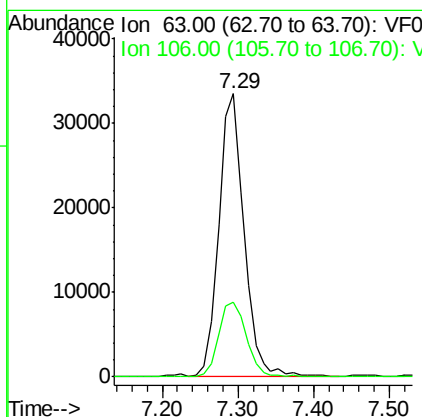
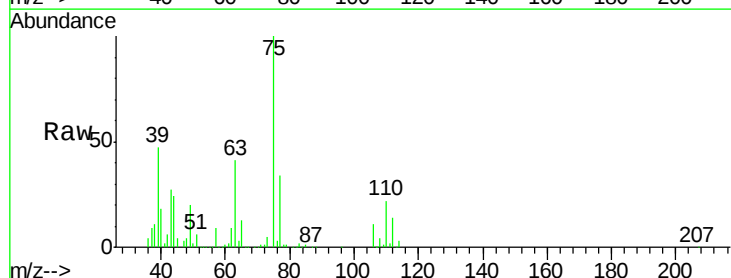
Manual Integrations
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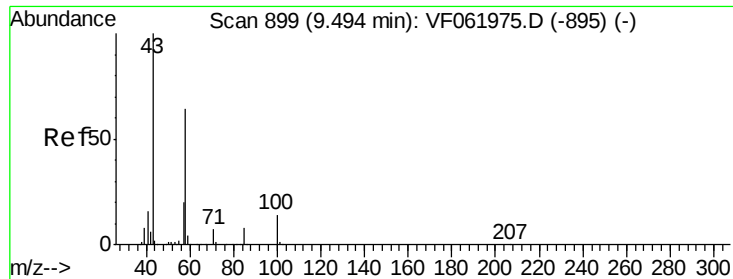
MMDadoda
 3/23/2019 2:59:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.987 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	20.9	31.3





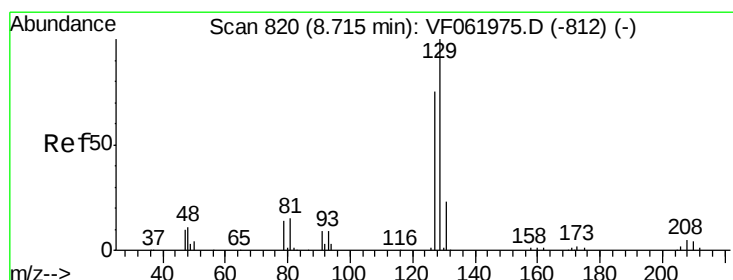
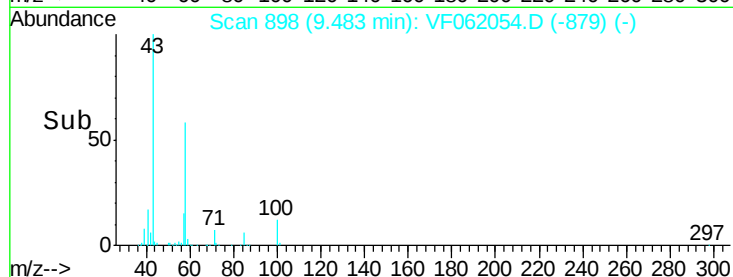
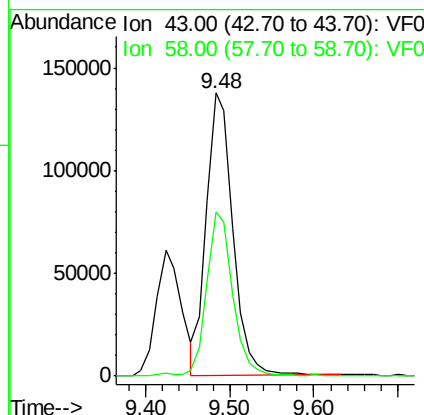
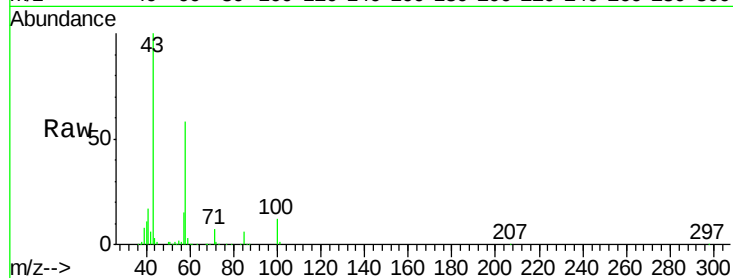
#59
2-Hexanone
Concen: 280.749 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 299790
Ion Ratio Lower Upper
43 100
58 58.1 28.4 85.2

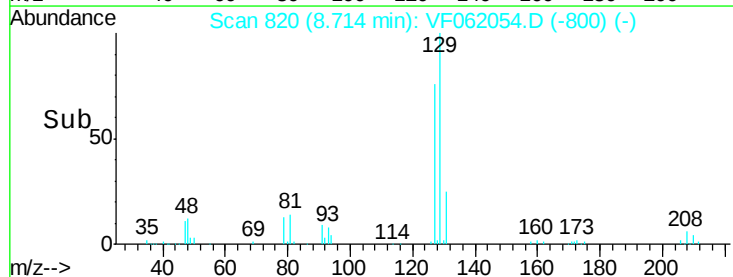
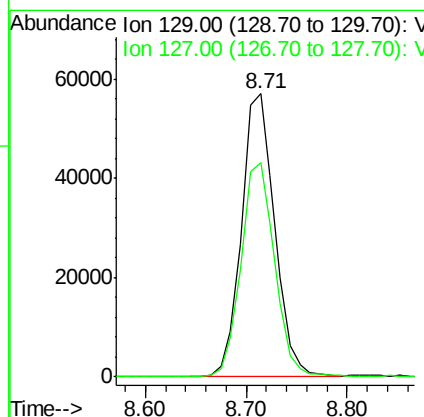
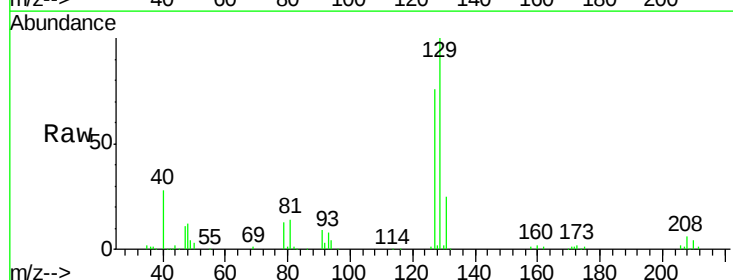
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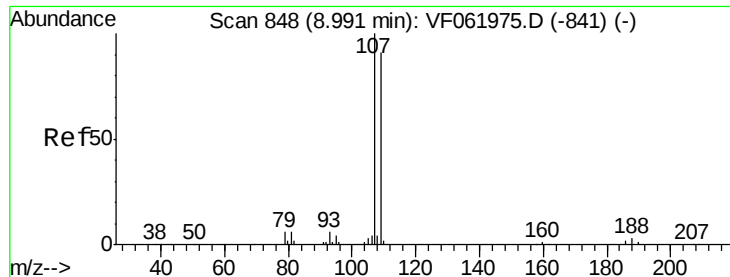
MMDadoda
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#60
Dibromochloromethane
Concen: 53.395 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 129 Resp: 131004
Ion Ratio Lower Upper
129 100
127 75.7 37.3 111.8





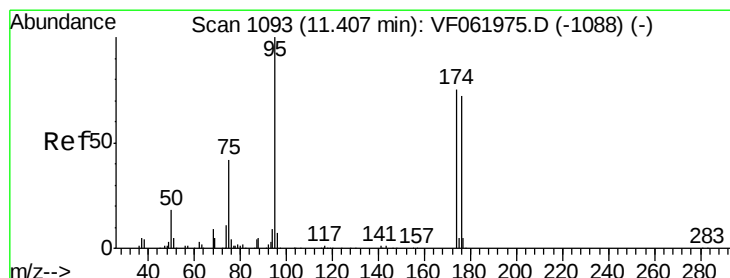
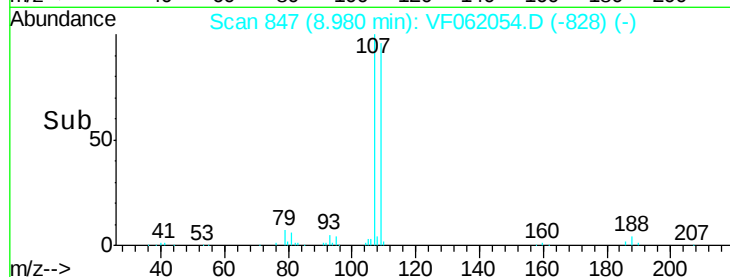
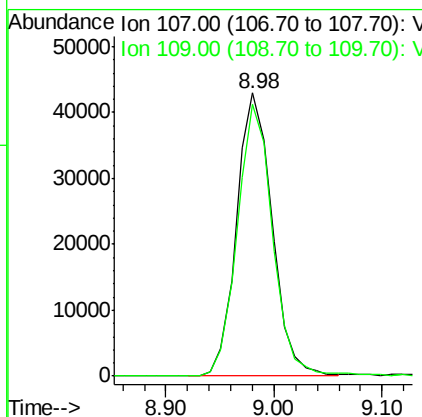
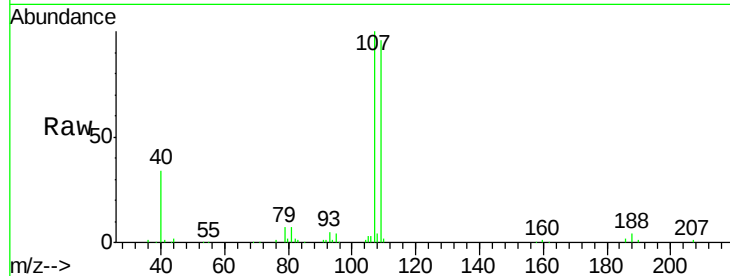
#61
 1,2-Dibromoethane
 Concen: 51.799 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	72.8	109.2

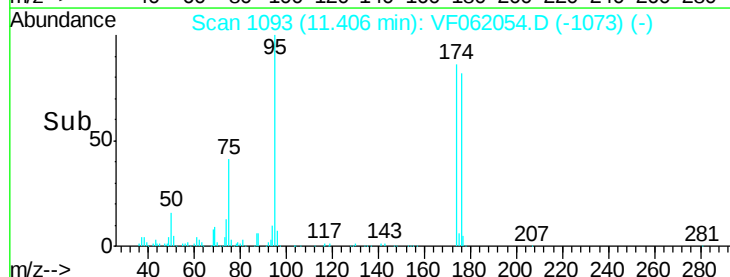
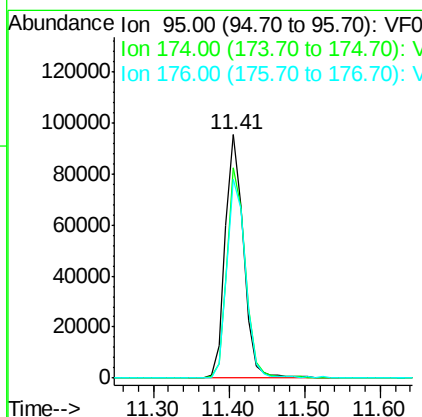
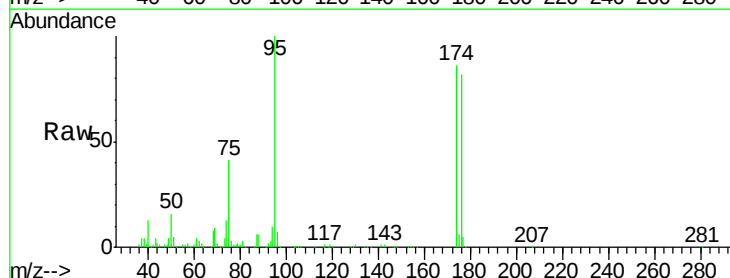
Manual Integrations
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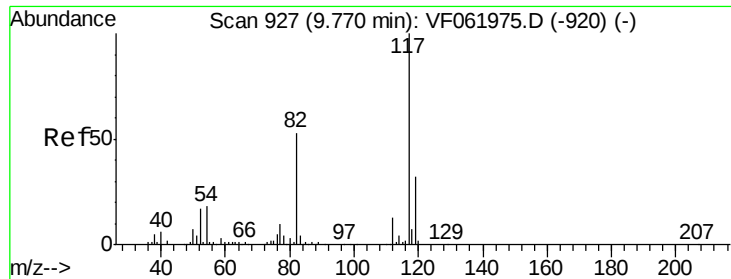
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#62
 4-Bromofluorobenzene
 Concen: 47.627 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	149.4
176	81.8	0.0	143.4





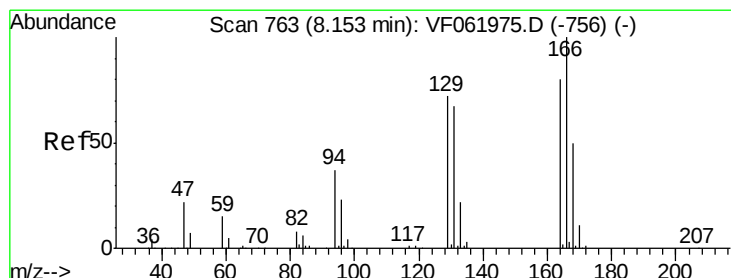
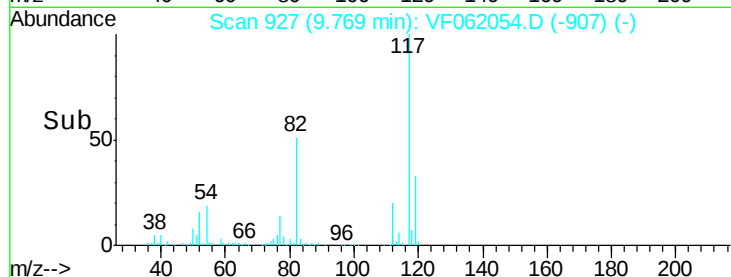
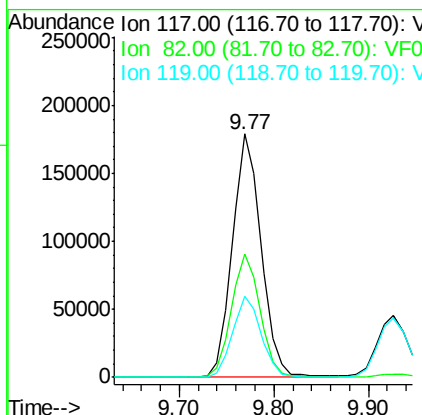
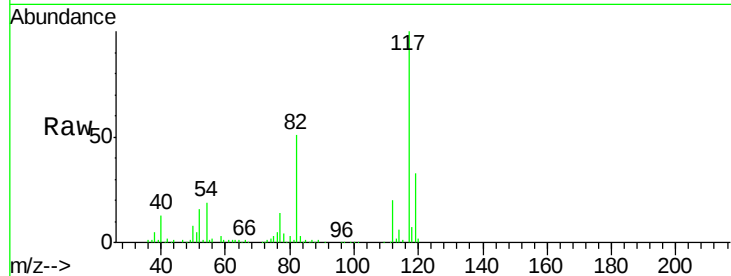
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378633		
82	50.8		42.5	63.7
119	33.1		25.4	38.0

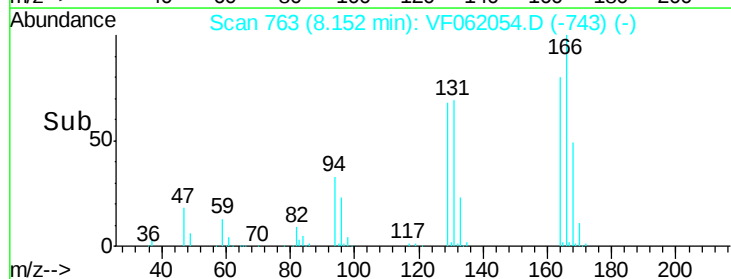
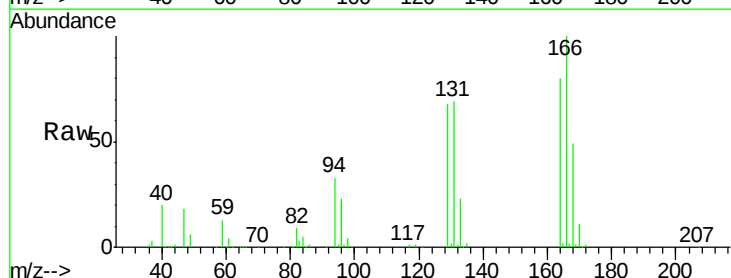
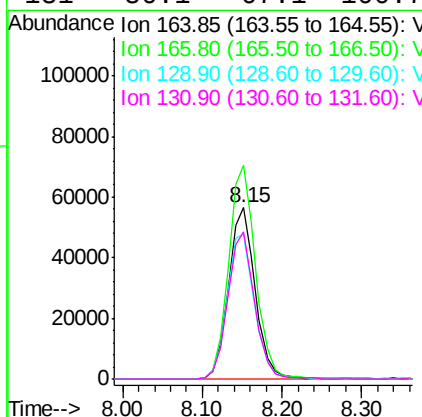
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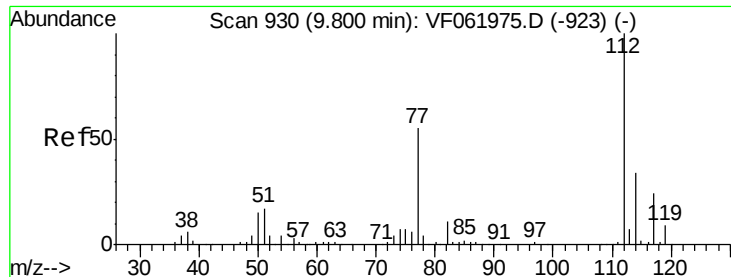
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#64
Tetrachloroethene
Concen: 48.193 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132639		
166	124.9		100.0	150.0
129	84.9		72.4	108.6
131	86.1		67.1	100.7





#65

Chlorobenzene

Concen: 49.115 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 346230

Ion Ratio Lower Upper

112 100

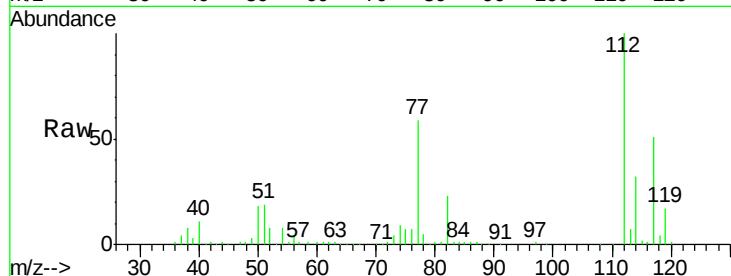
114 31.8 26.9 40.3

Manual Integrations

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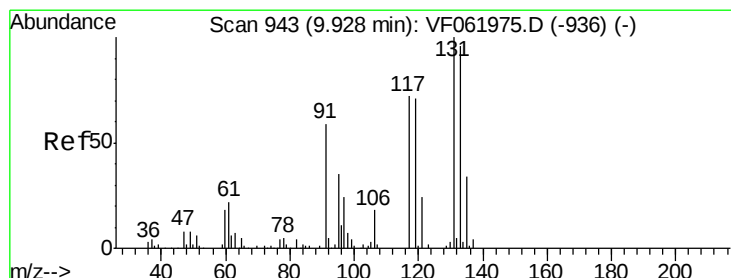
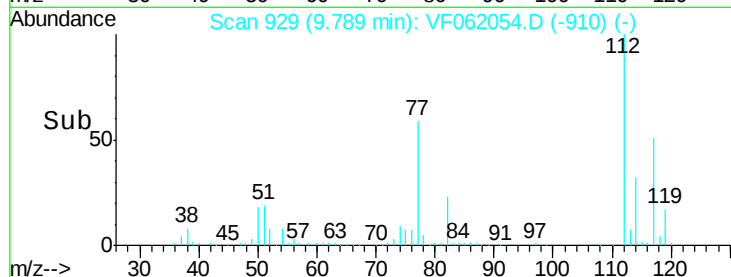
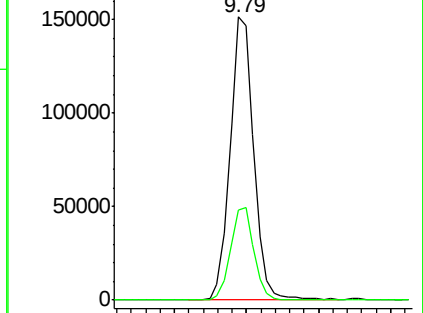
MMDadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.278 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

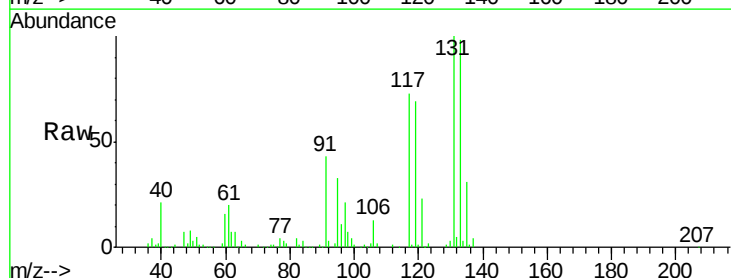
Tgt Ion:131 Resp: 140118

Ion Ratio Lower Upper

131 100

133 98.3 48.0 144.2

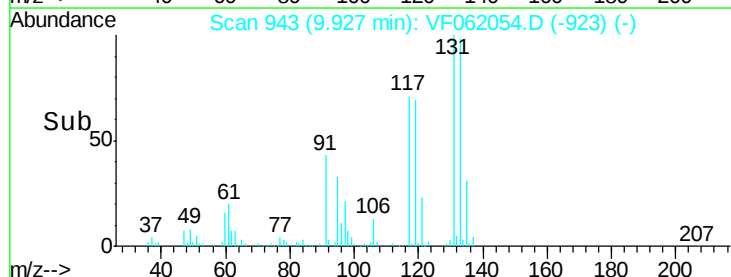
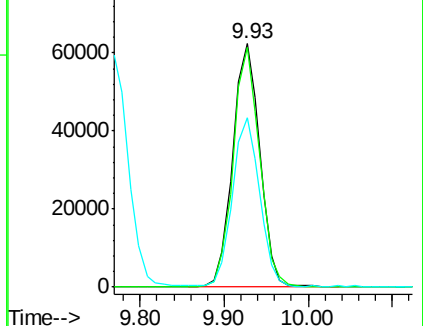
119 69.5 35.9 107.7

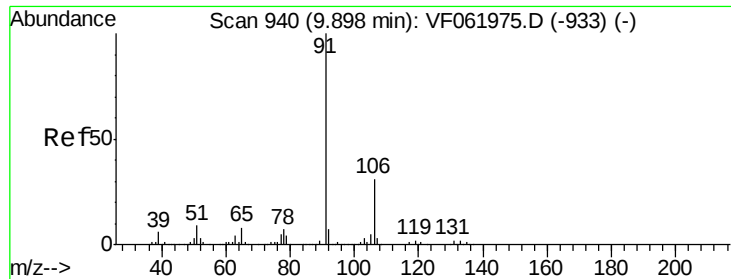


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 46.324 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 559141

Ion Ratio Lower Upper

91 100

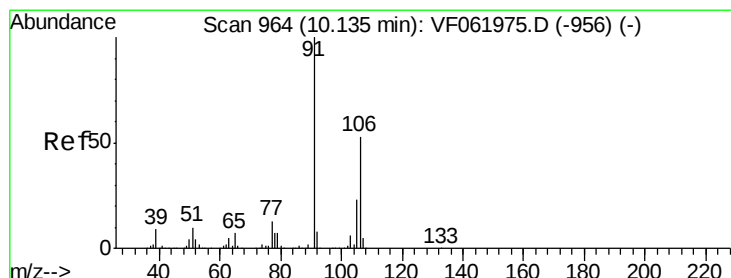
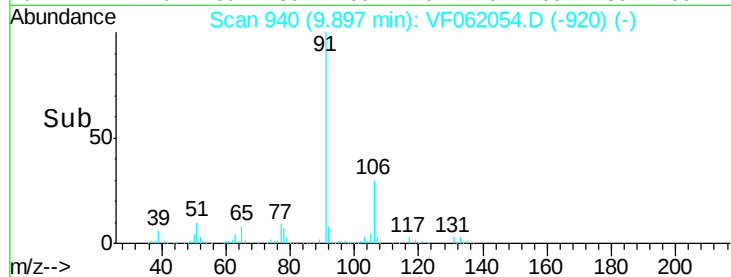
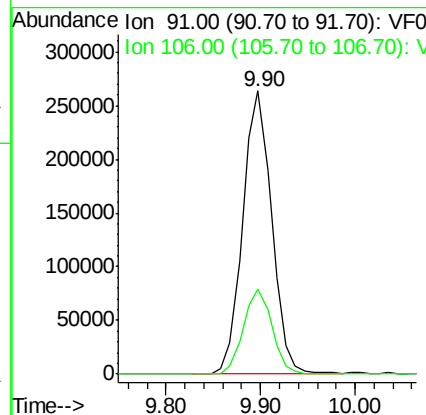
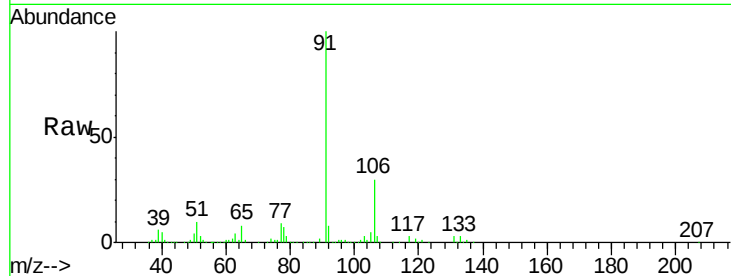
106 30.0 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 96.473 ug/l

RT: 10.12 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062054.D

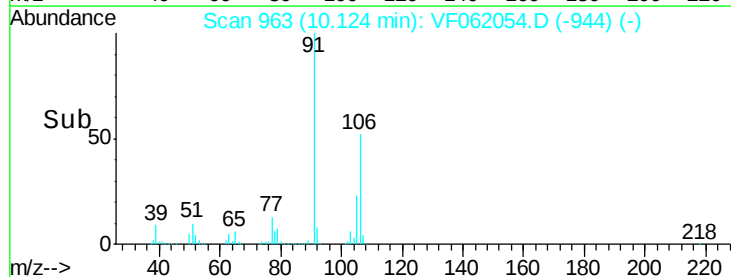
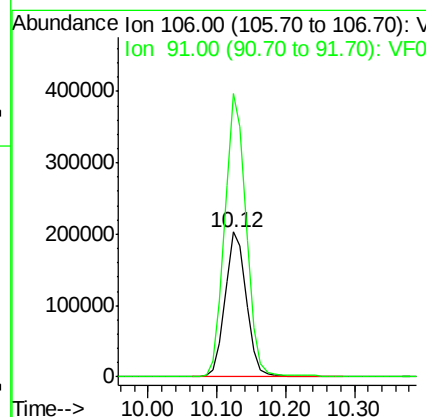
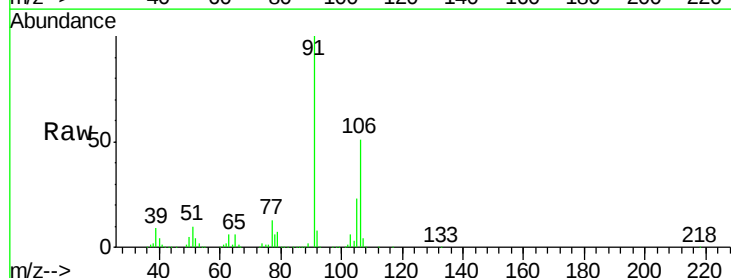
Acq: 21 Mar 2019 11:48

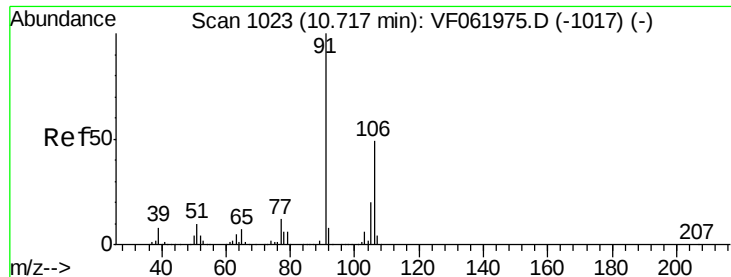
Tgt Ion: 106 Resp: 437963

Ion Ratio Lower Upper

106 100

91 195.1 151.9 227.9





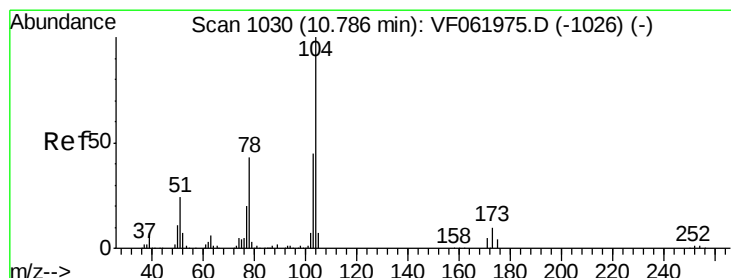
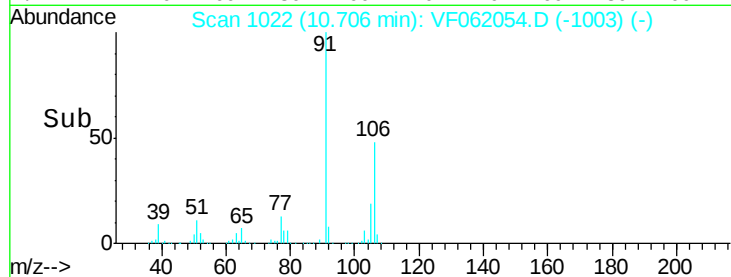
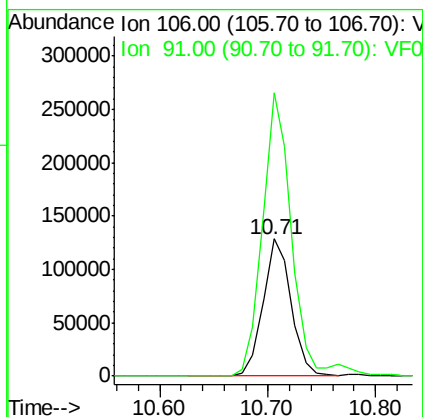
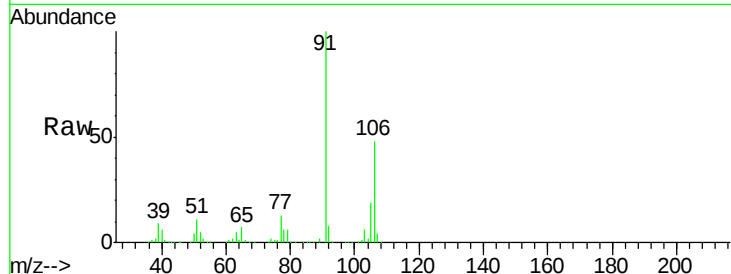
#69
o-Xylene
Concen: 48.361 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.6	102.3	234917	306.8	

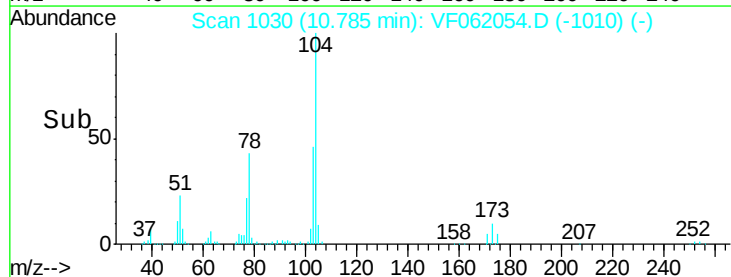
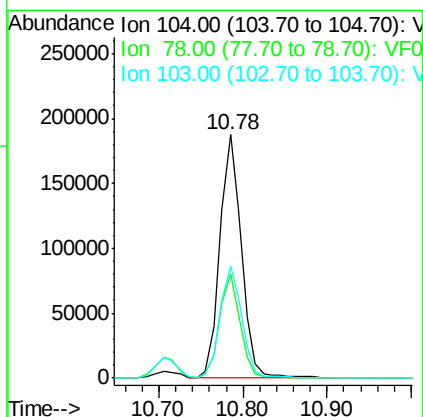
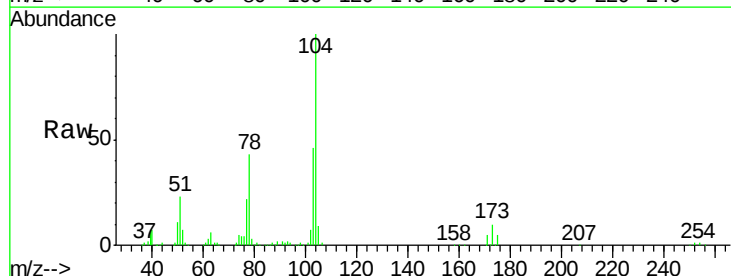
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#70
Styrene
Concen: 49.248 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	42.8	34.7	331427	52.1	
103	45.8	36.6		54.8	





#71

Bromoform

Concen: 54.659 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 75546

Ion Ratio Lower Upper

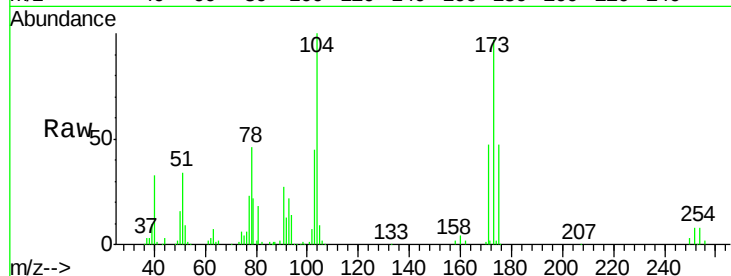
173 100

175 48.6 23.7 71.1

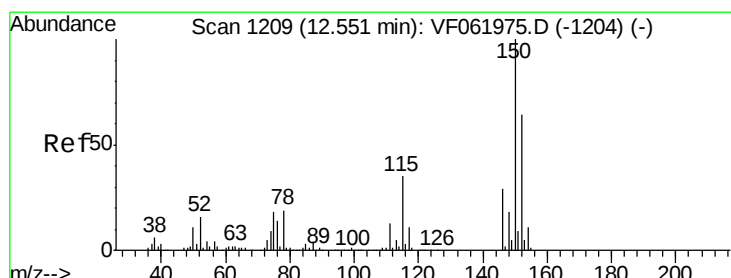
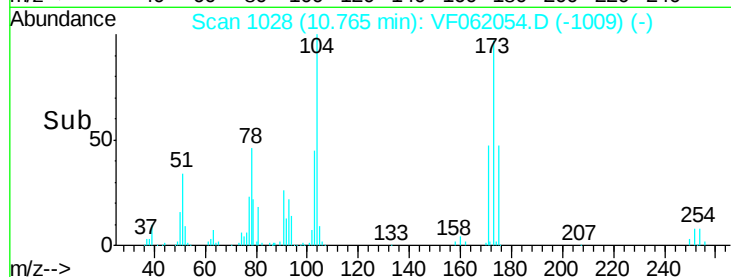
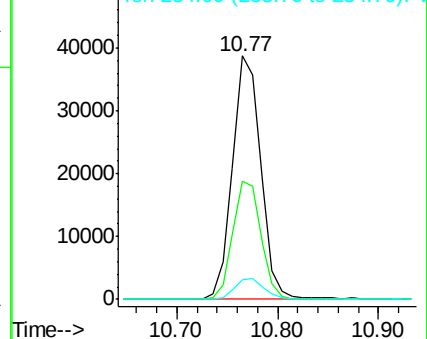
254 8.0 7.8 11.8

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: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

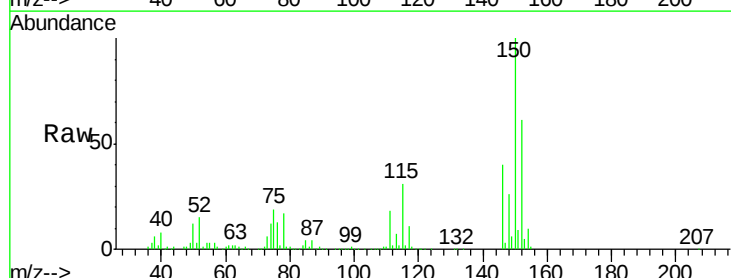
Tgt Ion:152 Resp: 200007

Ion Ratio Lower Upper

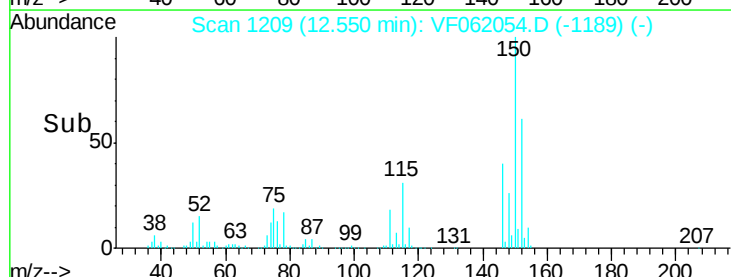
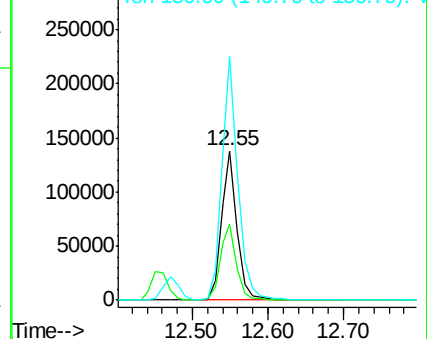
152 100

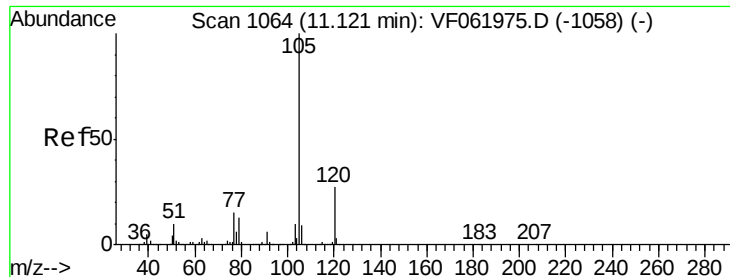
115 50.8 27.3 81.9

150 163.2 0.0 316.2



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: 48.794 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 674214

Ion Ratio Lower Upper

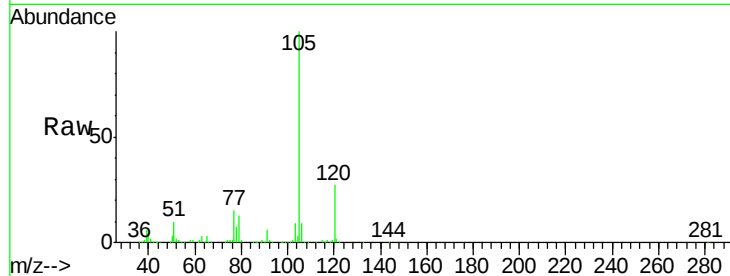
105 100

120 27.4 13.8 41.3

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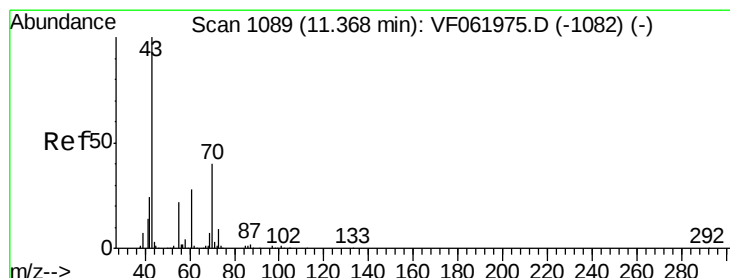
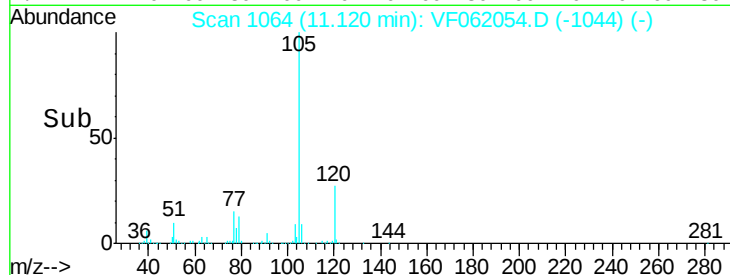
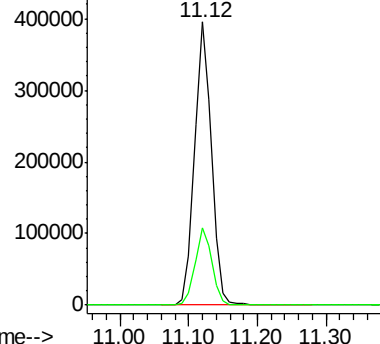
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.963 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion: 43 Resp: 174019

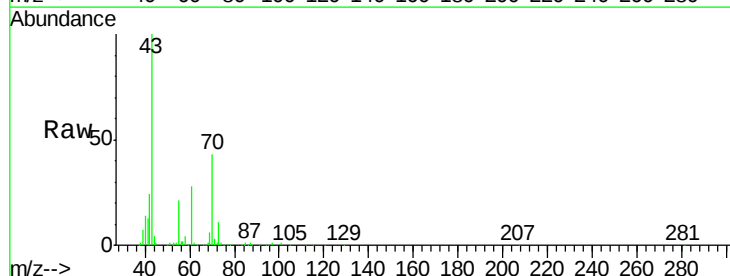
Ion Ratio Lower Upper

43 100

70 42.8 31.9 47.9

55 21.3 17.9 26.9

61 27.9 22.2 33.2

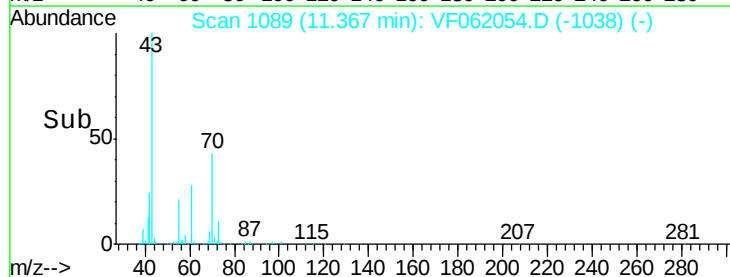
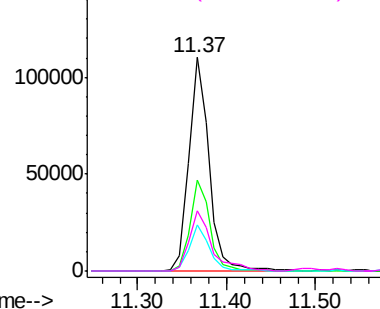


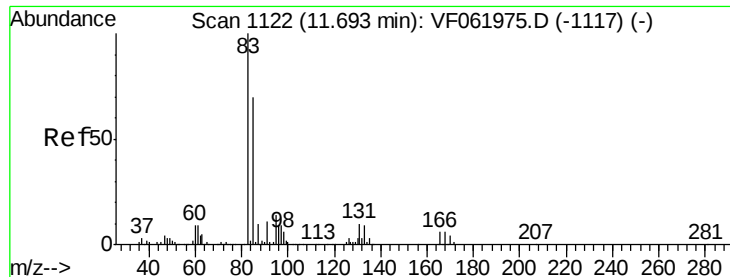
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.022 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

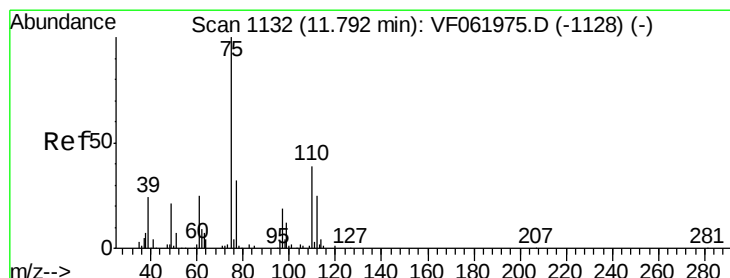
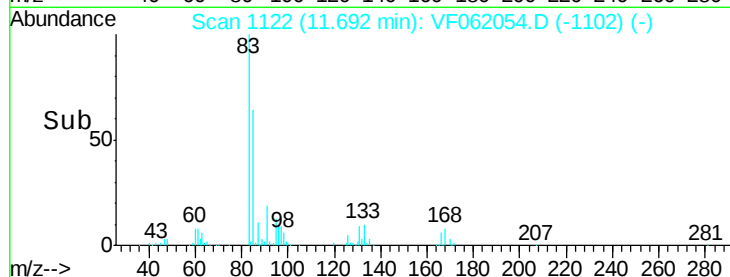
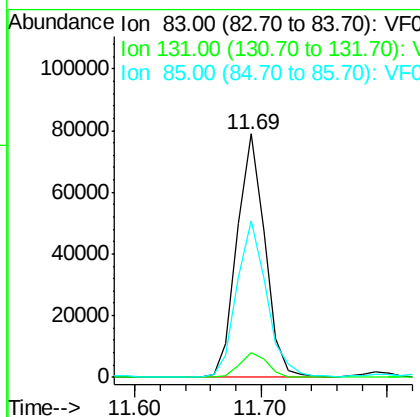
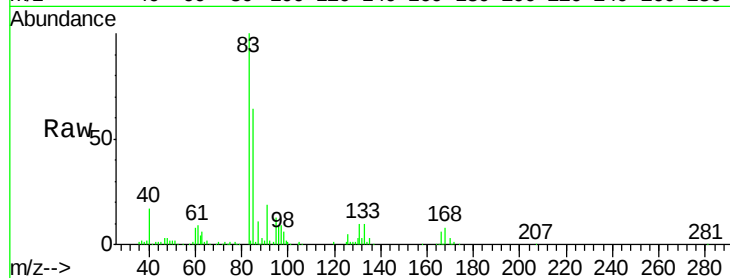
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	120931
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.1	35.3	105.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.256 ug/l

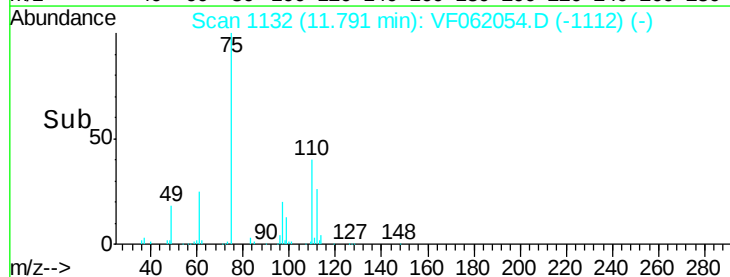
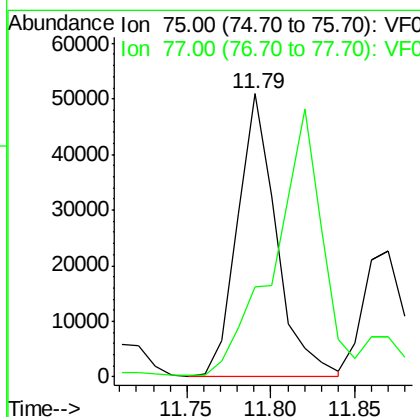
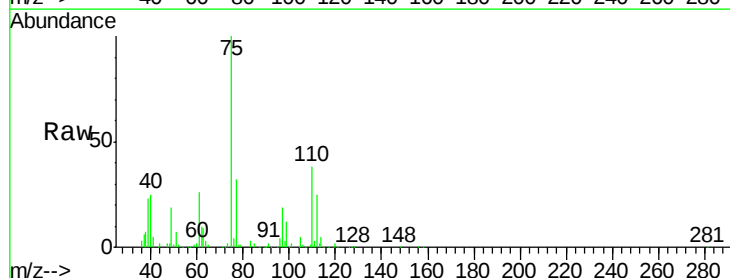
RT: 11.79 min Scan# 1132

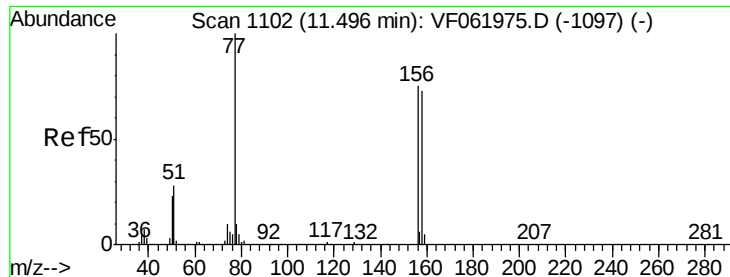
Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion:	75	Resp:	81745
Ion Ratio	Lower	Upper	
75	100		
77	31.7	16.4	49.2





#77

Bromobenzene

Concen: 48.940 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

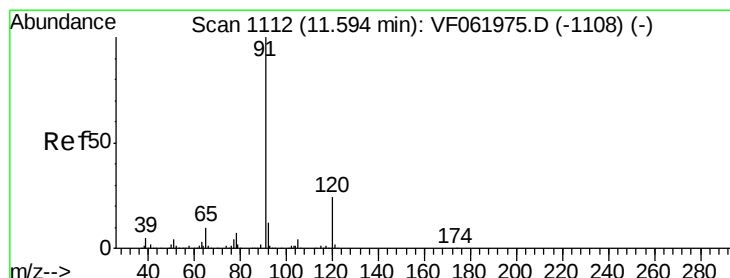
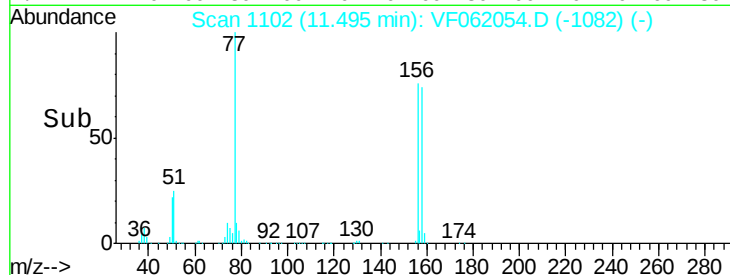
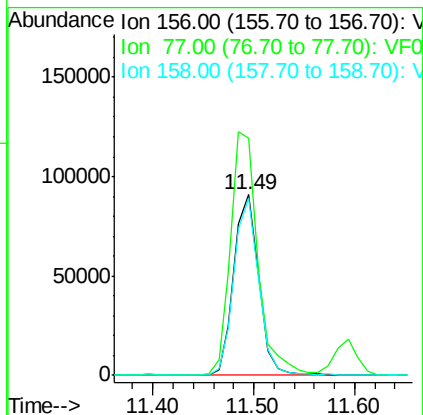
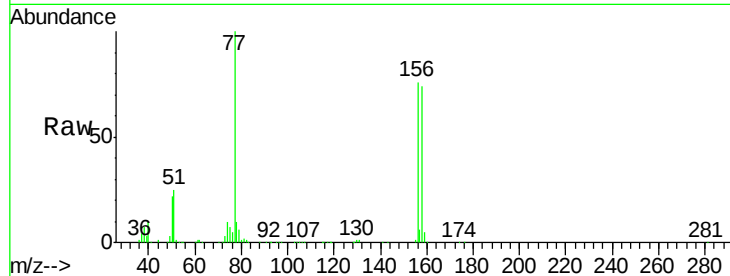
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		156604		
77	131.4	67.0	201.0		
158	97.8	48.9	146.7		

Manual Integrations
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#78

n-propylbenzene

Concen: 45.831 ug/l

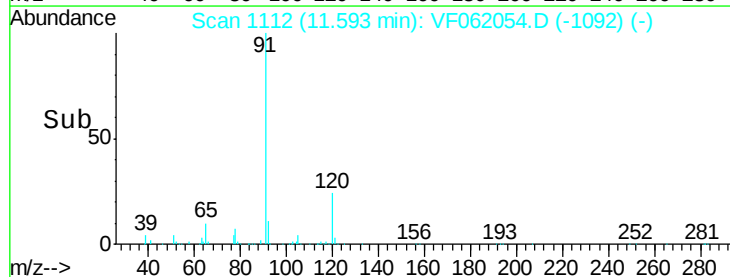
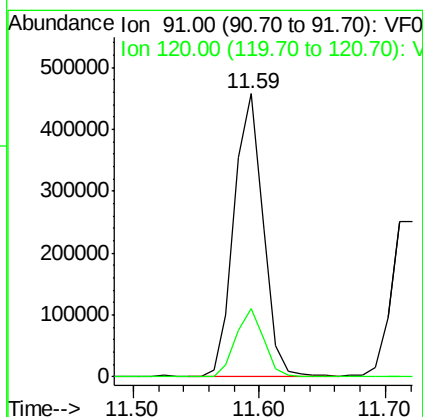
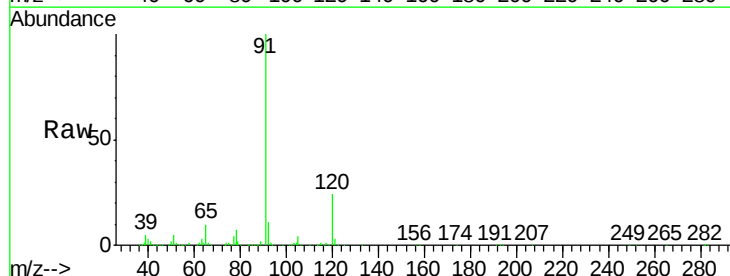
RT: 11.59 min Scan# 1112

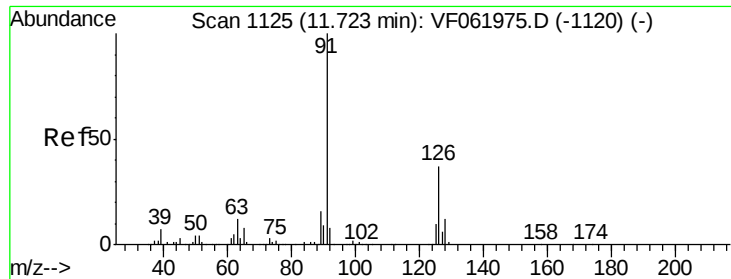
Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		728170		
120	24.3	11.8	35.3		





#79

2-Chlorotoluene

Concen: 47.835 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 428997

Ion Ratio Lower Upper

91 100

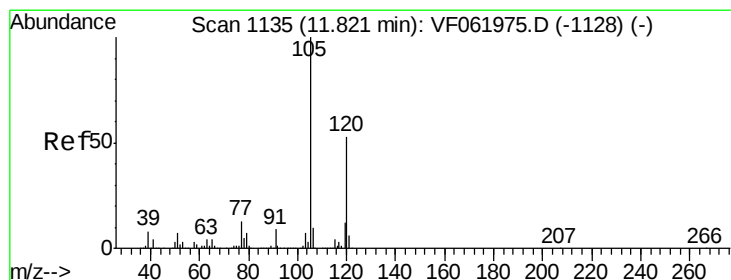
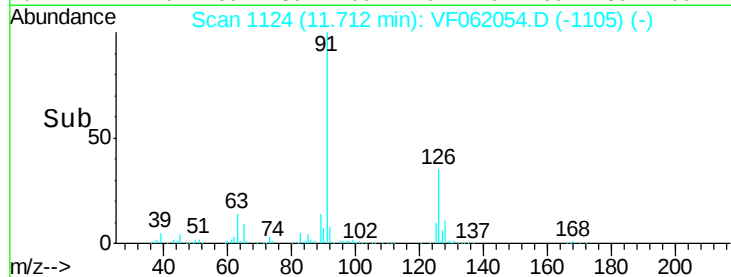
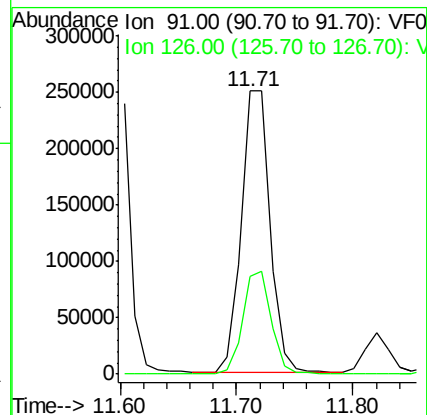
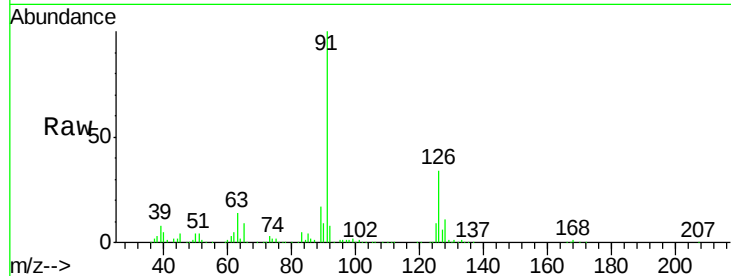
126 34.4 18.4 55.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.750 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF062054.D

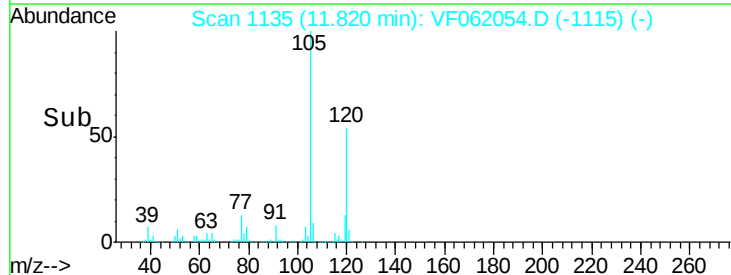
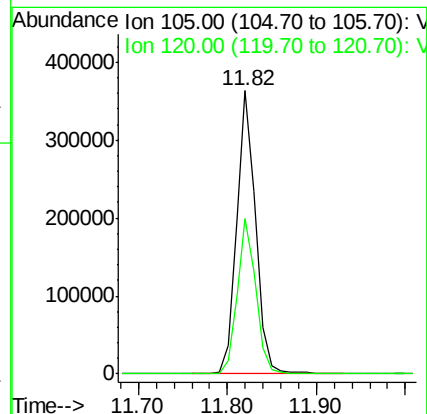
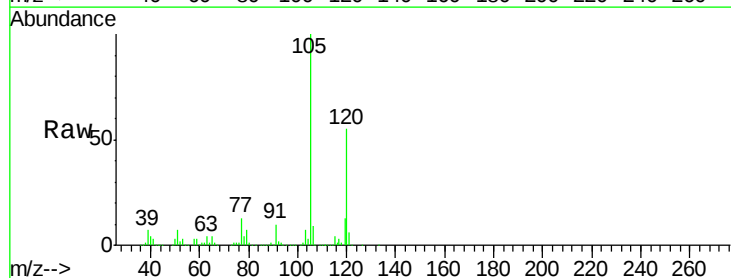
Acq: 21 Mar 2019 11:48

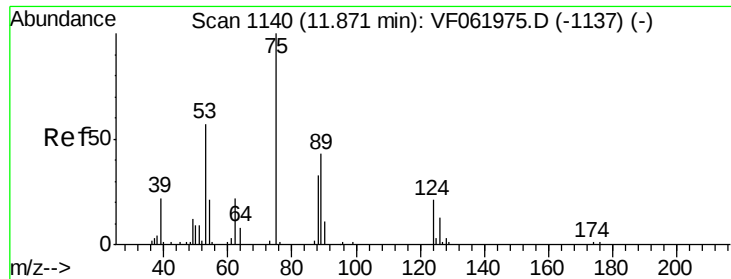
Tgt Ion: 105 Resp: 544138

Ion Ratio Lower Upper

105 100

120 54.9 26.6 79.7





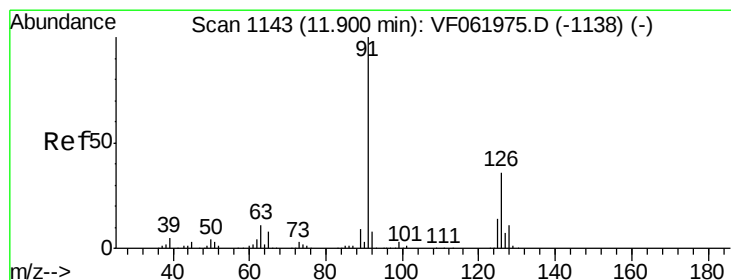
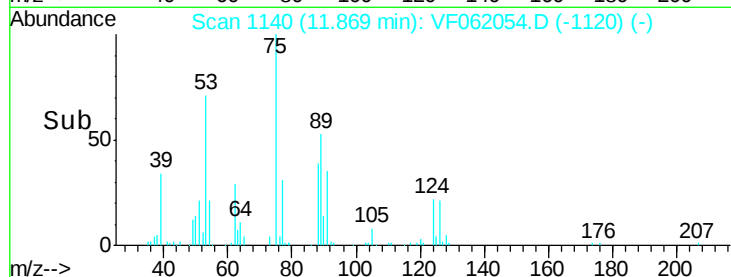
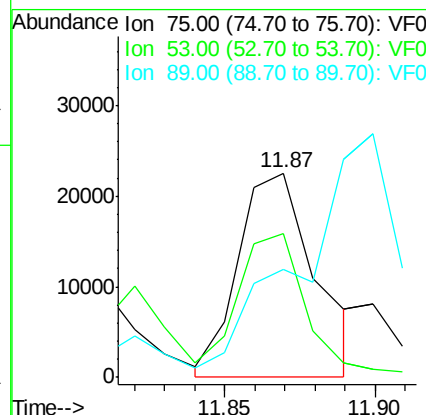
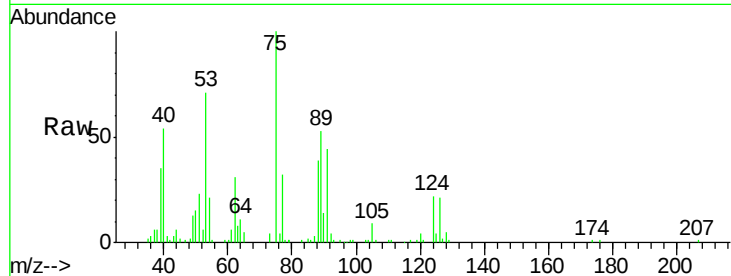
#81
trans-1,4-Dichloro-2-butene
Concen: 57.183 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	70.6	49.0	73.6
89	52.9	37.1	55.7

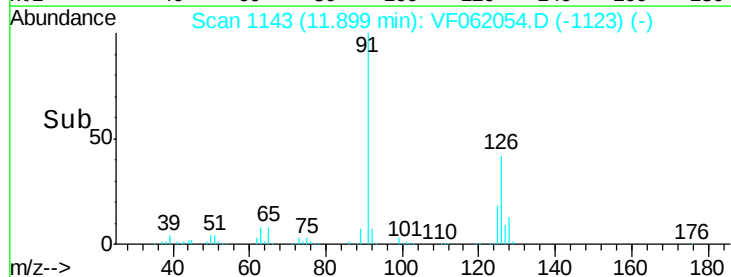
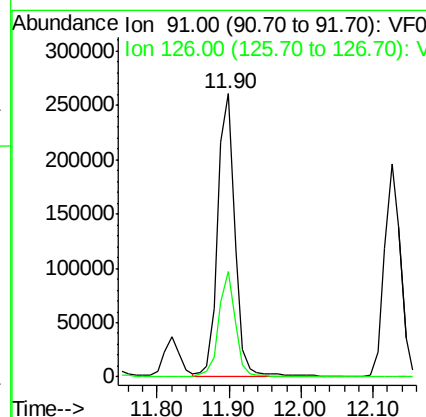
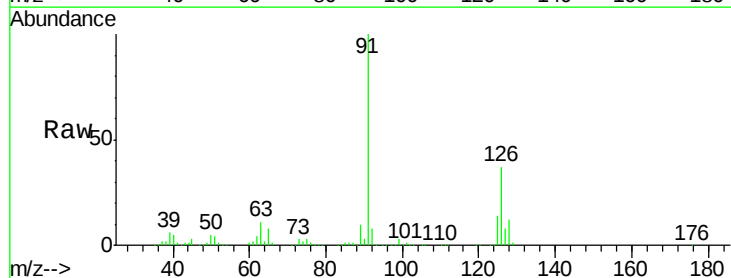
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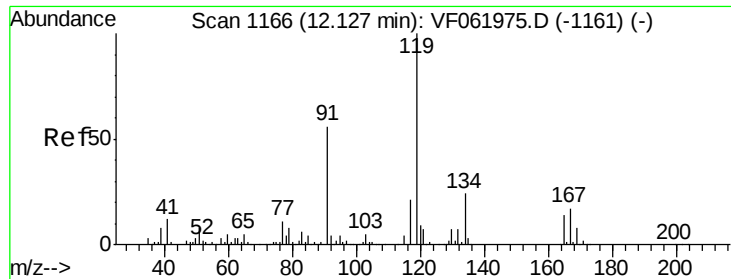
MMDadoda
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#82
4-Chlorotoluene
Concen: 46.595 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.1	54.1





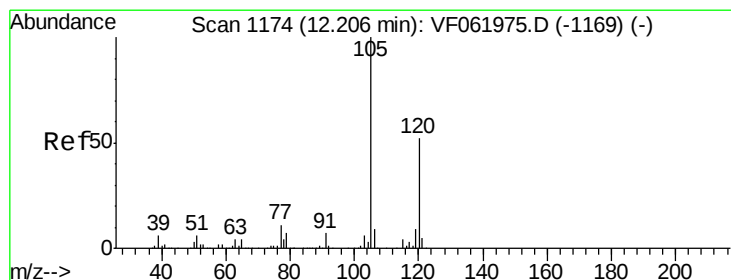
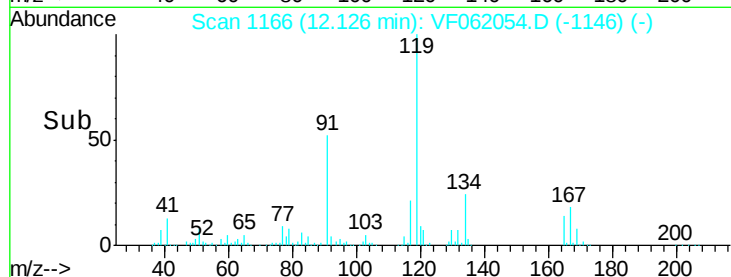
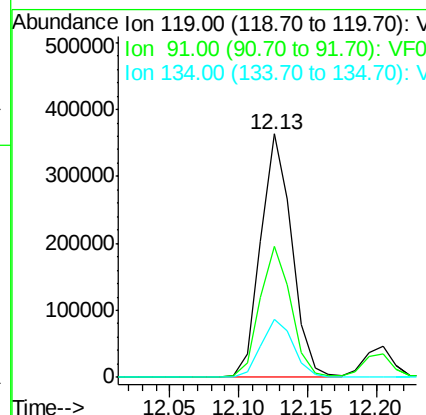
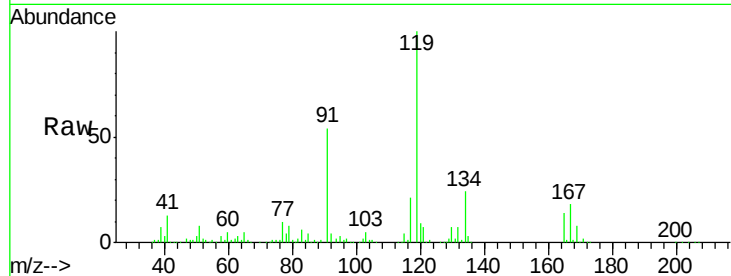
#83
tert-Butylbenzene
Concen: 49.073 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.0	27.9	83.6
134	24.1	12.3	36.8

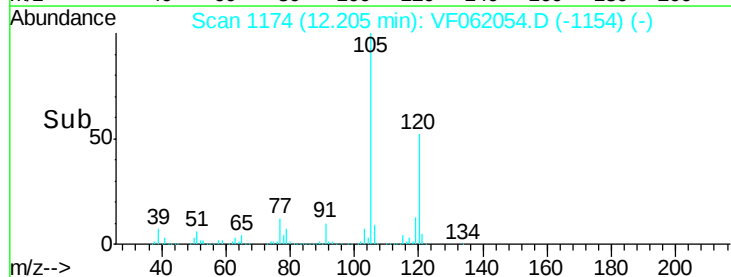
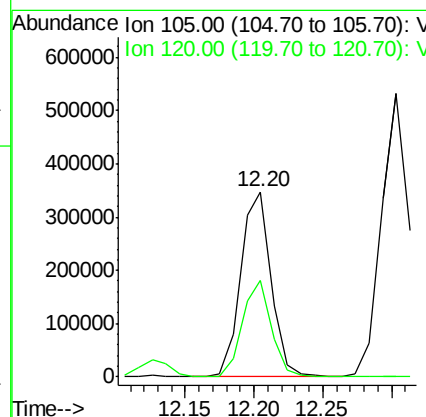
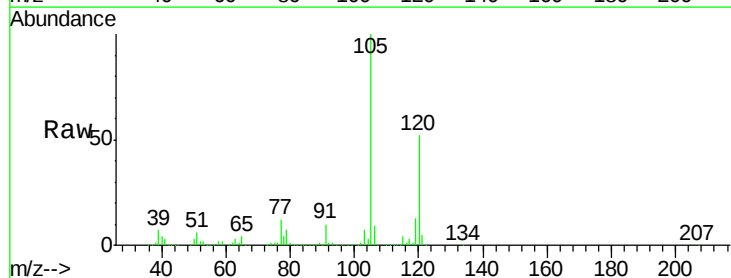
Manual Integrations
APPROVED

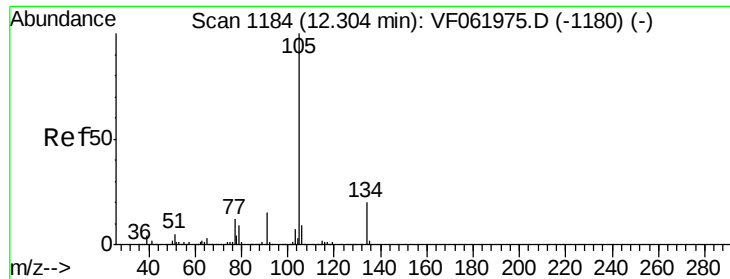
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.738 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.1	25.9	77.8





#85

sec-Butylbenzene

Concen: 48.236 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 760742

Ion Ratio Lower Upper

105 100

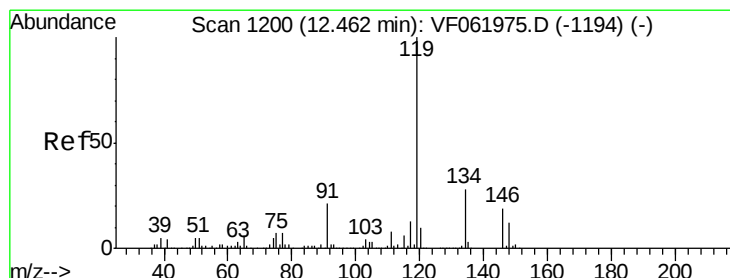
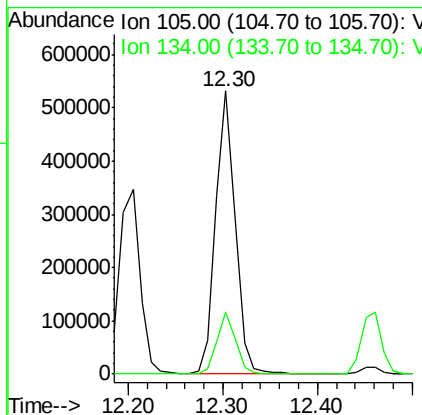
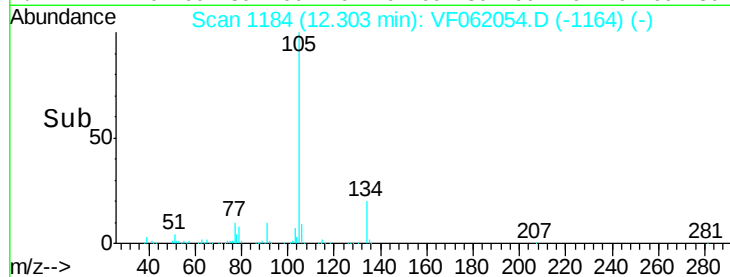
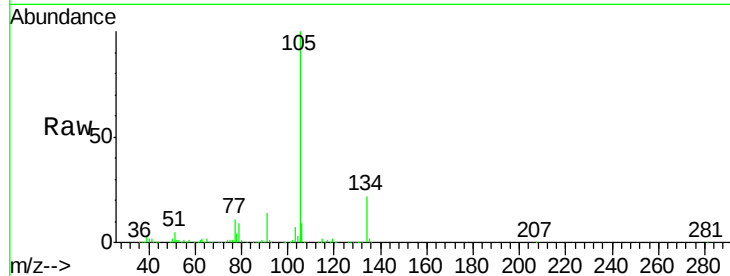
134 21.7 10.0 29.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.908 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

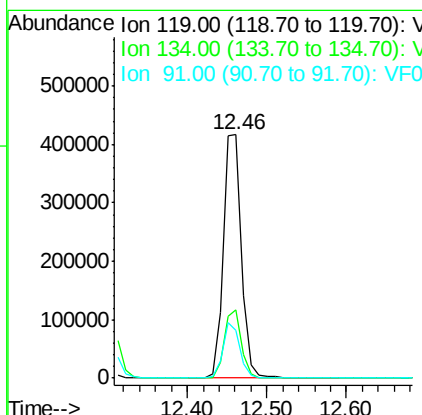
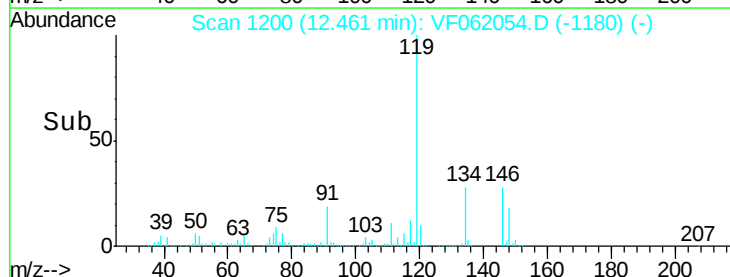
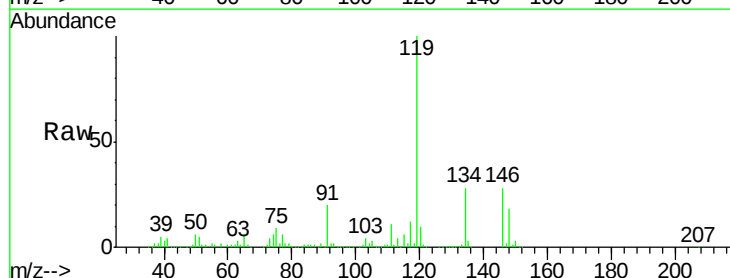
Tgt Ion:119 Resp: 669954

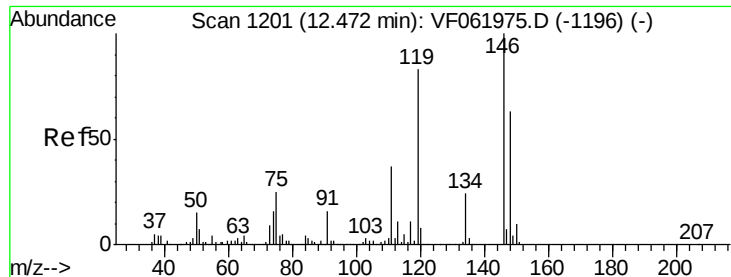
Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

91 19.6 10.4 31.1





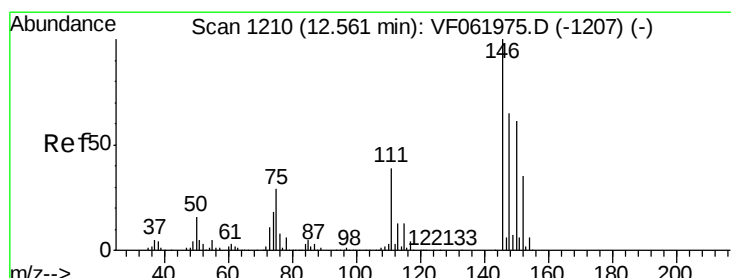
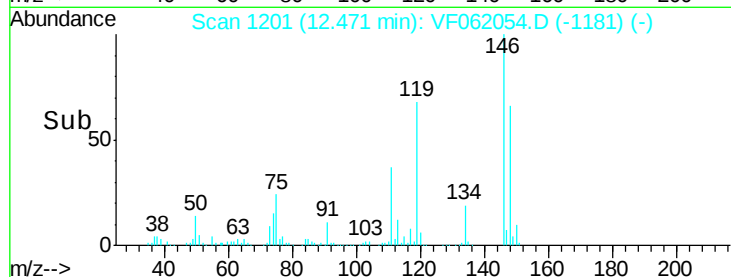
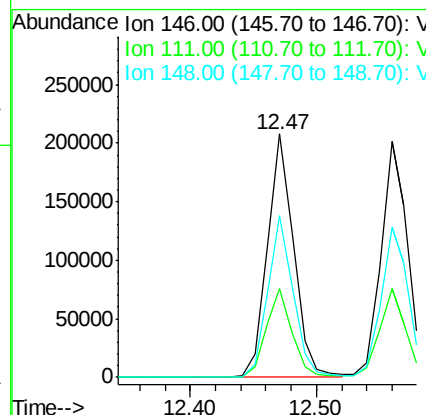
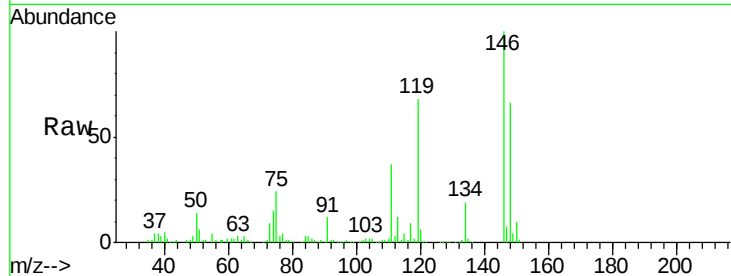
#87
 1,3-Dichlorobenzene
 Concen: 48.238 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	66.4	31.3	93.9

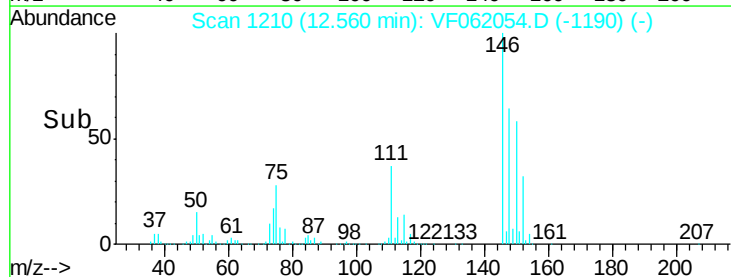
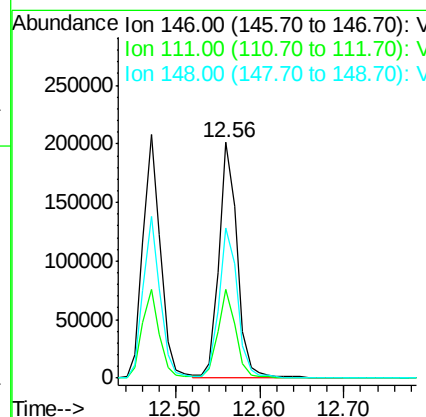
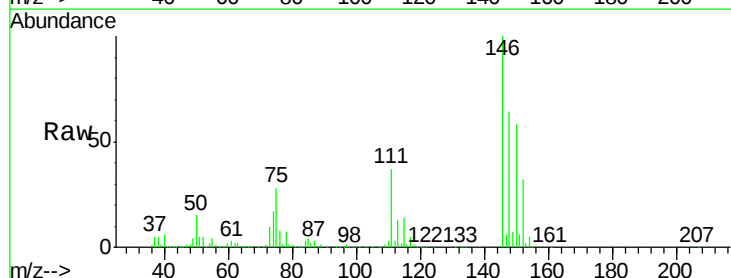
Manual Integrations
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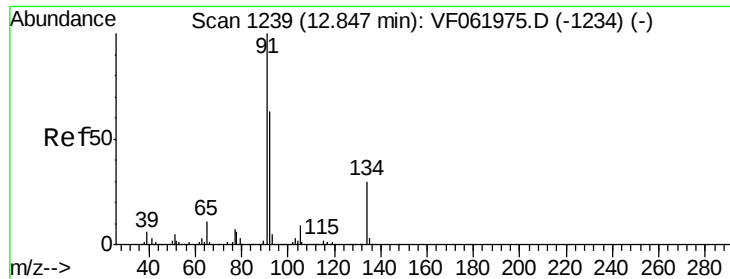
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#88
 1,4-Dichlorobenzene
 Concen: 50.318 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.4	58.1
148	63.7	32.4	97.0





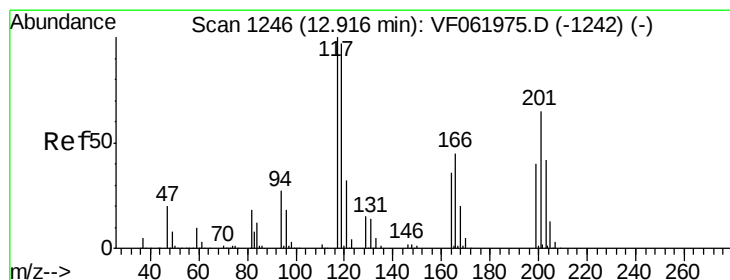
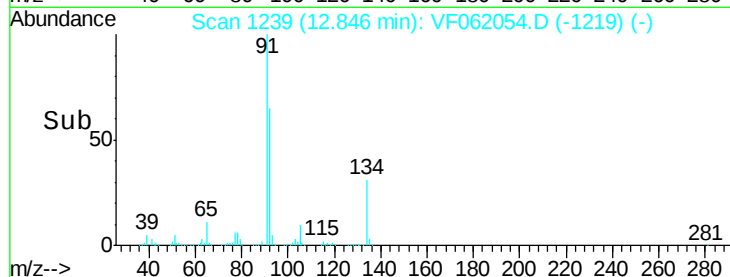
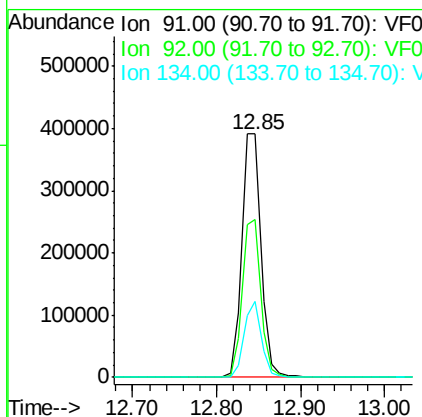
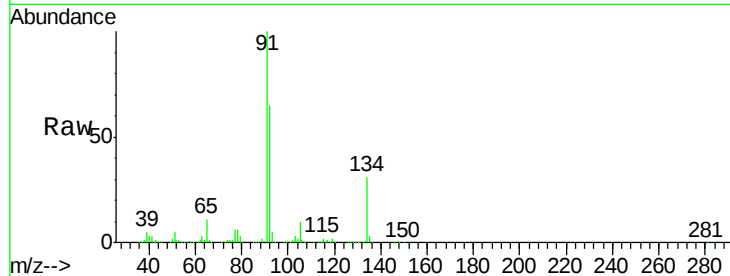
#89
n-Butylbenzene
Concen: 50.051 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.6	31.7	95.1
134	31.5	15.1	45.3

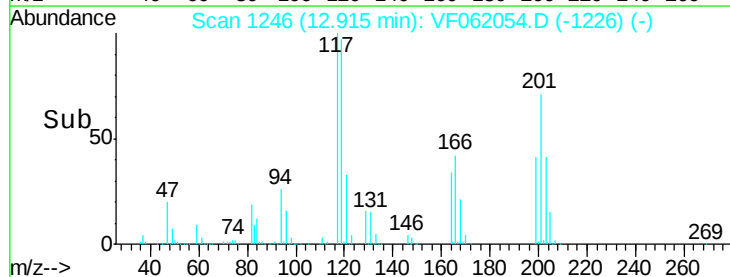
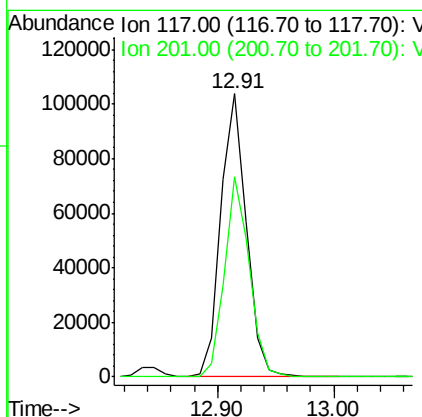
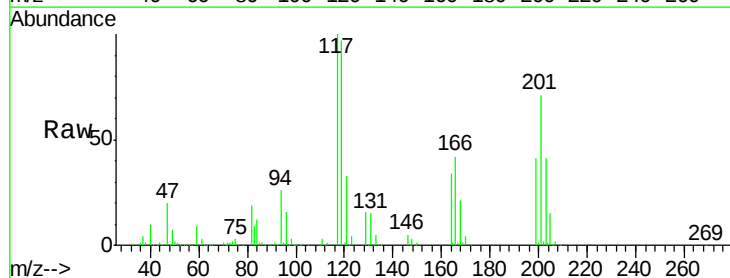
Manual Integrations
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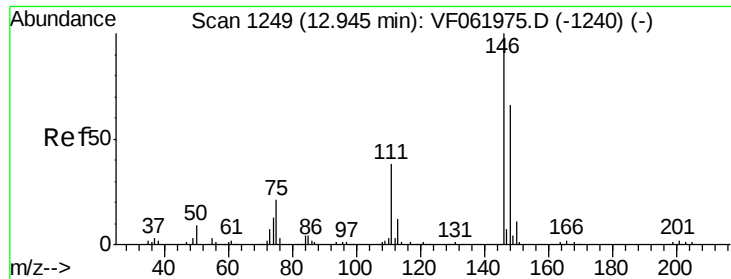
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#90
Hexachloroethane
Concen: 52.681 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.5	32.5	97.5





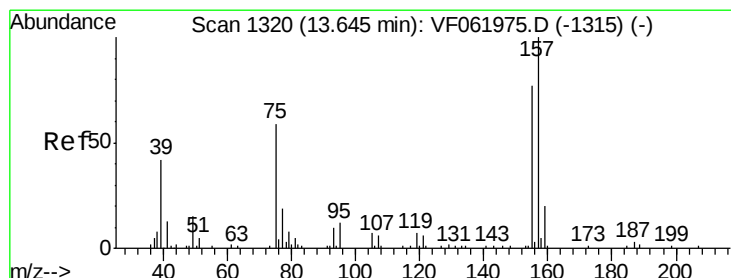
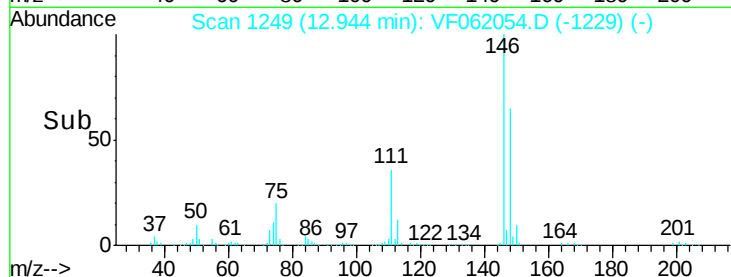
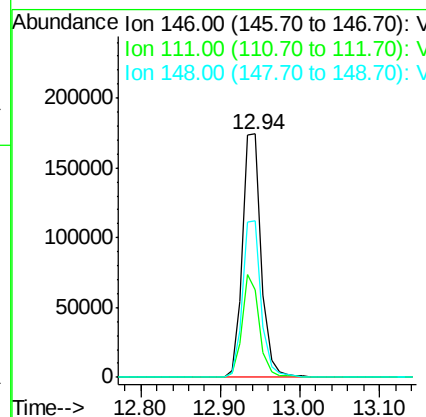
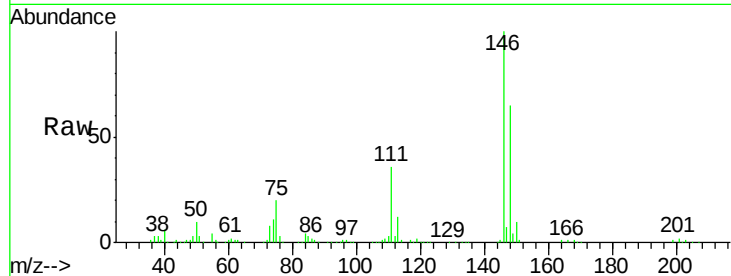
#91
 1,2-Dichlorobenzene
 Concen: 49.493 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288295		
111	35.8	18.9	56.5	
148	64.6	32.9	98.6	

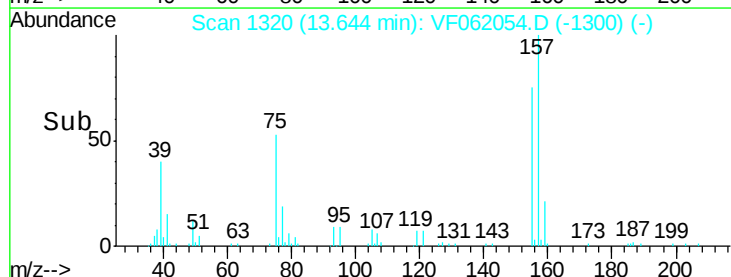
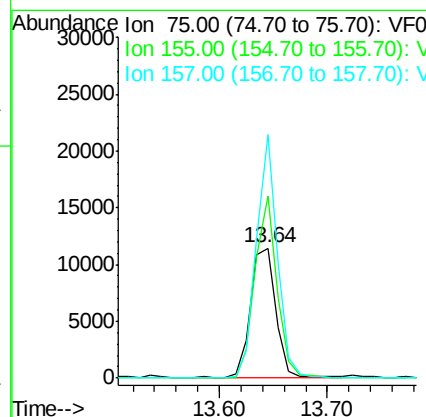
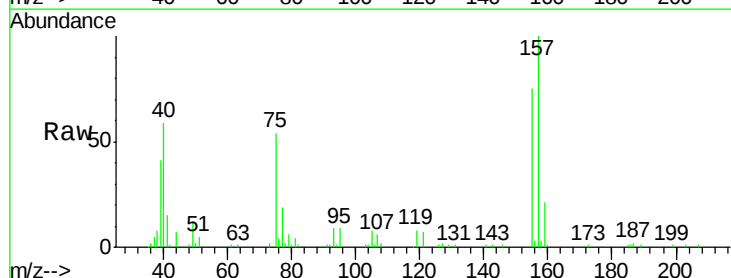
Manual Integrations
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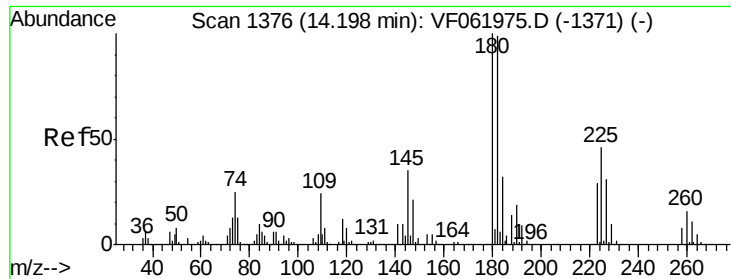
MMDadoda
 3/23/2019 2:59:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.760 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18944		
155	139.8	65.0	195.1	
157	186.9	84.7	254.0	





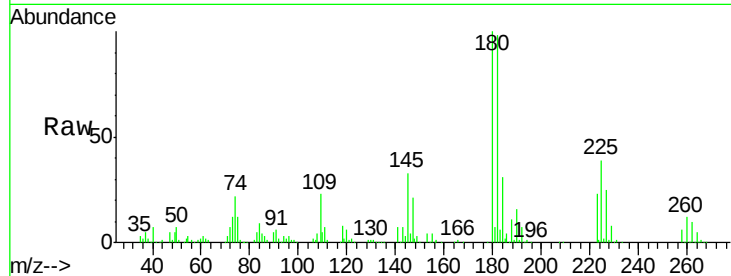
#93
 1,2,4-Trichlorobenzene
 Concen: 49.448 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

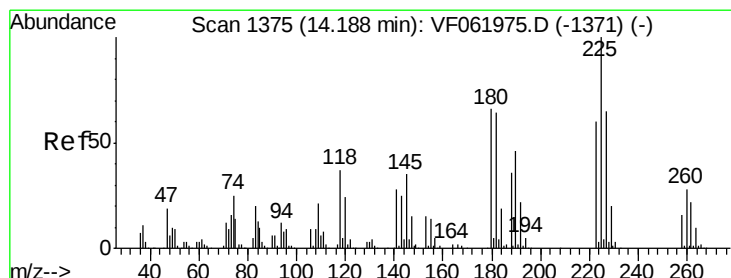
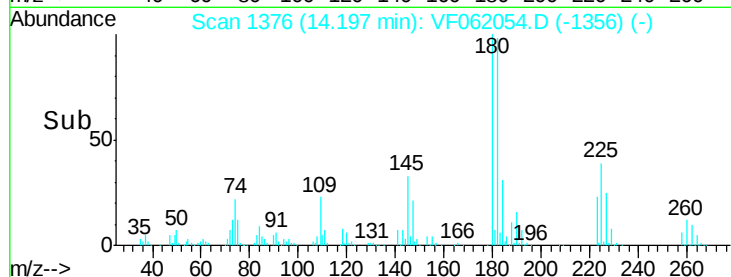
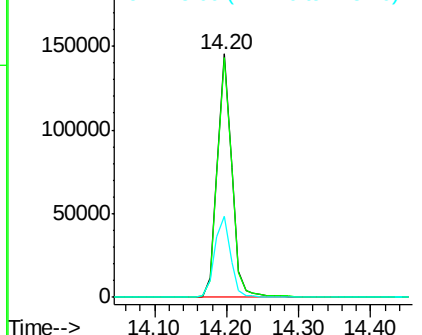
Tot Ion	Ratio	Resp	Lower	Upper
180	100	200574		
182	98.5	49.6	149.0	
145	33.5	17.5	52.5	

Manual Integrations
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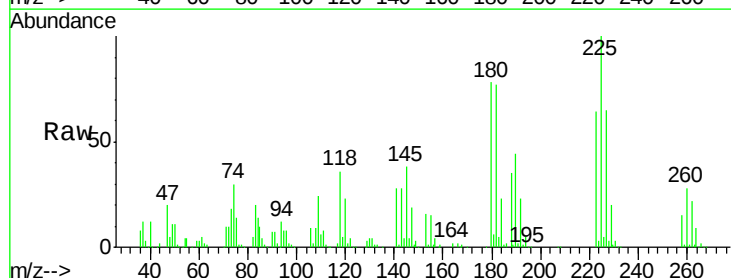


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

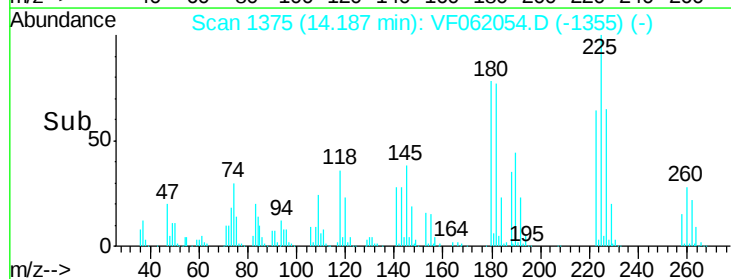
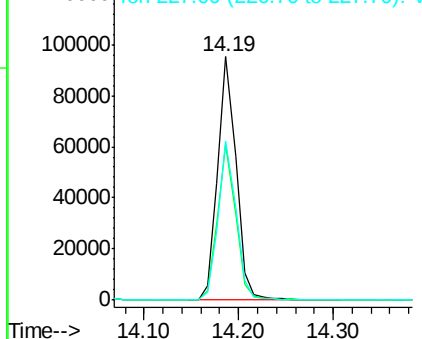


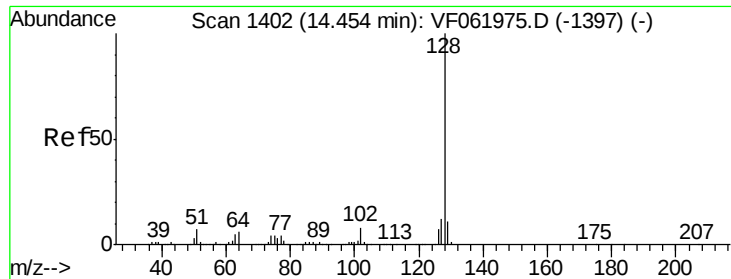
#94
 Hexachlorobutadiene
 Concen: 48.134 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129618		
223	64.0	29.9	89.7	
227	65.3	32.4	97.2	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 53.816 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

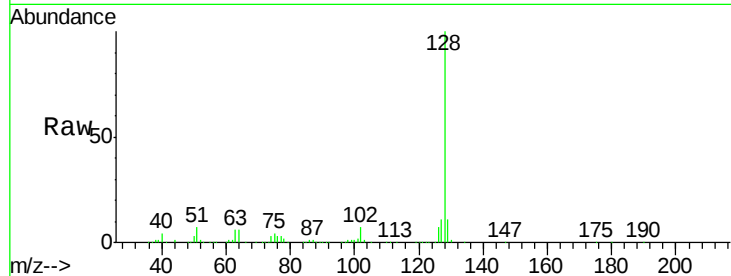
ClientSampleId :

VSTDCCC050

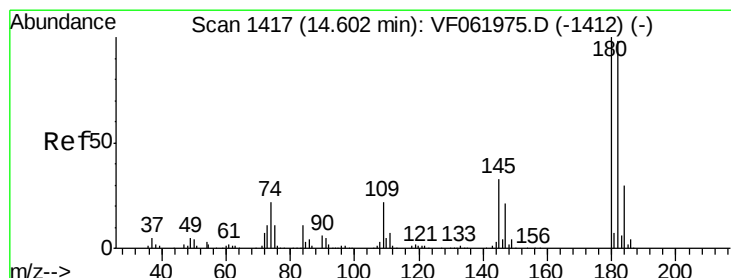
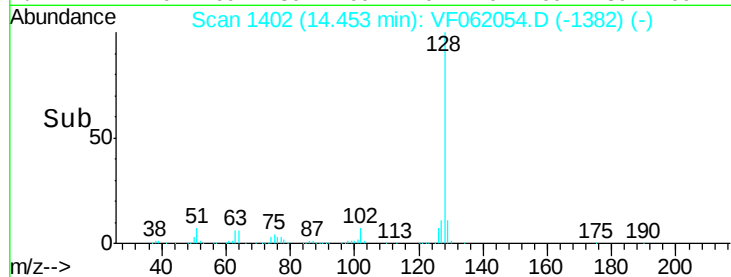
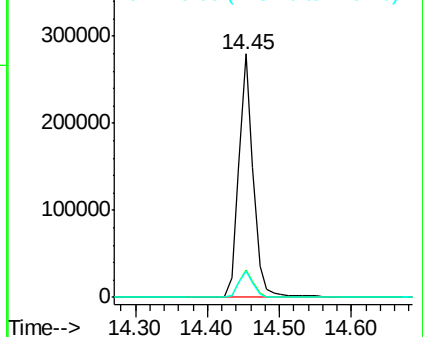
Tot Ion	Ratio	Resp	Lower	Upper
128	100	392605		
127	11.4		9.3	13.9
129	10.5		9.1	13.7

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.810 ug/l

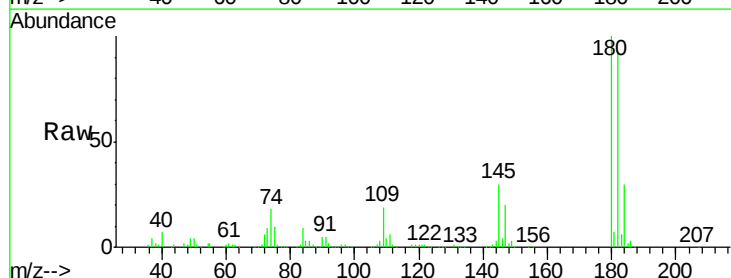
RT: 14.60 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	193343		
182	92.7		48.9	146.8
145	29.6		16.7	50.1



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

