

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\
 Data File : VF062349.D
 Acq On : 7 May 2019 10:03
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 11:10:30 AM

Quant Time: May 07 15:57:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	350820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	455407	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	399311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	229170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	171420	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	4.30	113	185510	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	7.70	98	480695	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
62) 4-Bromofluorobenzene	11.49	95	197588	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	160740	39.590	ug/l	97
3) Chloromethane	1.15	50	109933	41.054	ug/l	94
4) Vinyl Chloride	1.20	62	110493	41.368	ug/l	95
5) Bromomethane	1.39	94	90967	44.879	ug/l	86
6) Chloroethane	1.43	64	58034	43.217	ug/l	99
7) Trichlorofluoromethane	1.55	101	238461	43.030	ug/l	93
8) Diethyl Ether	1.71	74	35900	42.813	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	131519	41.569	ug/l	98
10) Methyl Iodide	1.97	142	233541	44.792	ug/l	97
11) Tert butyl alcohol	2.68	59	39529	210.960	ug/l	95
12) 1,1-Dichloroethene	1.87	96	111700	41.529	ug/l	87
13) Acrolein	2.09	56	35993	316.367	ug/l	98
14) Allyl chloride	2.20	41	170532	71.774	ug/l	92
15) Acrylonitrile	3.09	53	83202	234.411	ug/l	97
16) Acetone	2.34	43	203762	303.814	ug/l	98
17) Carbon Disulfide	1.92	76	250248	42.670	ug/l	96
18) Methyl Acetate	2.46	43	52077	42.082	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	250972	45.202	ug/l	94
20) Methylene Chloride	2.32	84	101874	41.984	ug/l	90
21) trans-1,2-Dichloroethene	2.42	96	105760	41.270	ug/l	97
22) Diisopropyl ether	2.93	45	334628	45.062	ug/l	97
23) Vinyl Acetate	3.34	43	773898	233.831	ug/l	99
24) 1,1-Dichloroethane	3.01	63	211503	47.126	ug/l	98
25) 2-Butanone	4.52	43	219775	260.832	ug/l	96
26) 2,2-Dichloropropane	3.77	77	115578	46.114	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	140923	43.993	ug/l	97
28) Bromochloromethane	3.90	49	102989	50.598	ug/l	97
29) Tetrahydrofuran	4.26	42	84147	217.292	ug/l	99
30) Chloroform	4.04	83	265165	43.732	ug/l	100
31) Cyclohexane	3.88	56	155479	43.402	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	233921	45.014	ug/l	100
36) 1,1-Dichloropropene	4.47	75	179727	45.941	ug/l	98
37) Ethyl Acetate	4.30	43	73999	48.407	ug/l #	99
38) Carbon Tetrachloride	4.19	117	208953m	51.582	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	177976	45.362	ug/l	94
40) Benzene	4.82	78	397463	46.138	ug/l	96
41) Methacrylonitrile	4.93	41	40615	43.297	ug/l	90
42) 1,2-Dichloroethane	5.13	62	167384	46.457	ug/l	99
43) Isopropyl Acetate	7.11	43	81711	45.920	ug/l	97
44) Trichloroethene	5.68	130	140798	44.492	ug/l	97
45) 1,2-Dichloropropane	6.40	63	94739	48.553	ug/l	99
46) Dibromomethane	6.25	93	74946	46.325	ug/l	98
47) Bromodichloromethane	6.55	83	187245	46.292	ug/l	96
48) Methyl methacrylate	6.87	41	61025	48.529	ug/l	99
49) 1,4-Dioxane	6.87	88	13353	1032.895	ug/l #	81
51) 4-Methyl-2-Pentanone	8.39	43	314340	233.130	ug/l	98
52) Toluene	7.77	92	245698	46.232	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	143252	46.826	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	170711	47.947	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	76963	45.619	ug/l	97
56) Ethyl methacrylate	8.75	69	78354	43.997	ug/l	95
57) 1,3-Dichloropropane	8.99	76	122214	47.958	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	115086	214.947	ug/l	100
59) 2-Hexanone	9.61	43	246900	264.767	ug/l	97
60) Dibromochloromethane	8.86	129	131674	47.721	ug/l	100
61) 1,2-Dibromoethane	9.12	107	88878	44.823	ug/l	98
64) Tetrachloroethene	8.30	164	133312	41.124	ug/l	98
65) Chlorobenzene	9.93	112	300712	45.515	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.06	131	151329	45.404	ug/l	98
67) Ethyl Benzene	10.03	91	526523	45.511	ug/l	100
68) m/p-Xylenes	10.25	106	381102	89.280	ug/l	99
69) o-Xylene	10.82	106	215539	46.729	ug/l	99
70) Styrene	10.89	104	307541	44.488	ug/l	97
71) Bromoform	10.88	173	82727	45.306	ug/l #	96
73) Isopropylbenzene	11.21	105	631587	46.488	ug/l	98
74) N-amyl acetate	11.45	43	129162	44.283	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	103812	48.801	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	72891	44.913	ug/l #	100
77) Bromobenzene	11.58	156	160967	45.144	ug/l	99
78) n-propylbenzene	11.66	91	670056	46.324	ug/l	98
79) 2-Chlorotoluene	11.79	91	409255	45.502	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	554011	46.524	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	27263m	44.690	ug/l	
82) 4-Chlorotoluene	11.97	91	420324	47.316	ug/l	99
83) tert-Butylbenzene	12.20	119	577425	46.140	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	547152	46.952	ug/l	97
85) sec-Butylbenzene	12.36	105	708694	46.524	ug/l	100
86) p-Isopropyltoluene	12.51	119	668439	47.231	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	292389	44.900	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	278469	44.306	ug/l	96
89) n-Butylbenzene	12.90	91	598360	47.521	ug/l	100
90) Hexachloroethane	12.97	117	167866	47.504	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	281058	44.590	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	22445	47.097	ug/l	99

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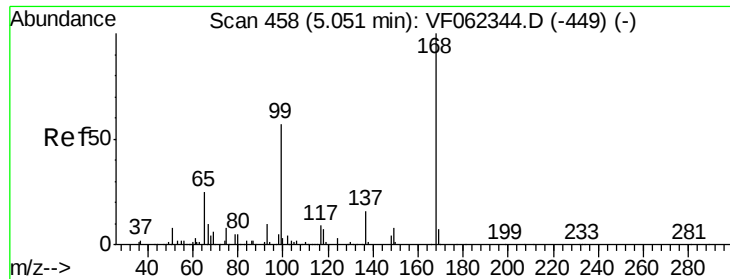
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	261189	46.199	ug/l	100
94) Hexachlorobutadiene	14.23	225	200205	47.512	ug/l	98
95) Naphthalene	14.48	128	386558	45.479	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	259916	47.454	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 350820

Ion Ratio Lower Upper

168 100

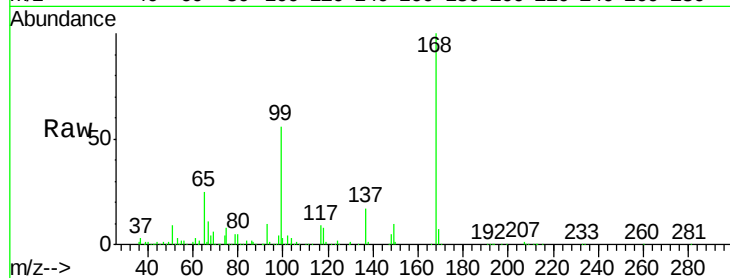
99 55.8 45.9 68.9

Manual Integrations

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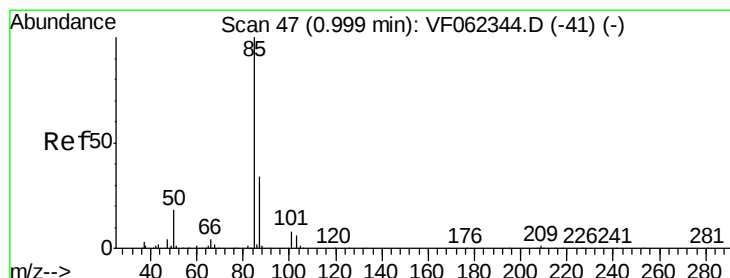
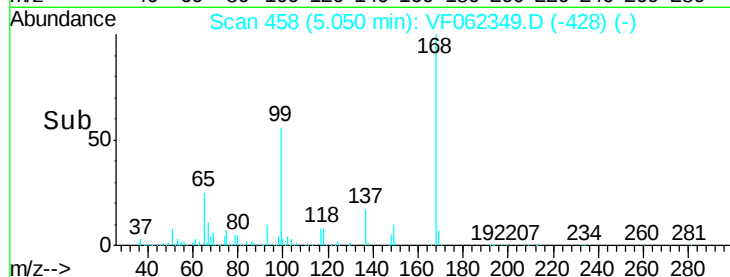
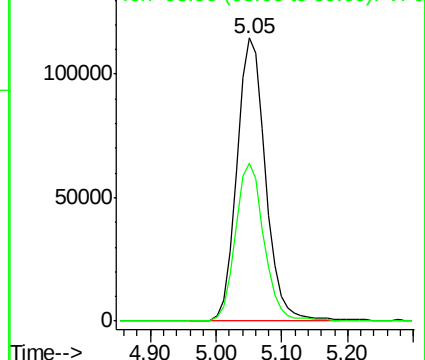
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#2

Dichlorodifluoromethane

Concen: 39.590 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062349.D

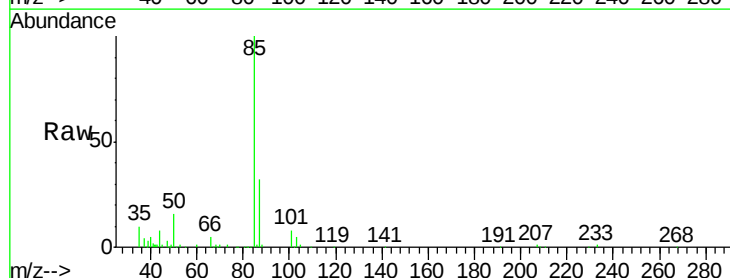
Acq: 7 May 2019 10:03

Tgt Ion: 85 Resp: 160740

Ion Ratio Lower Upper

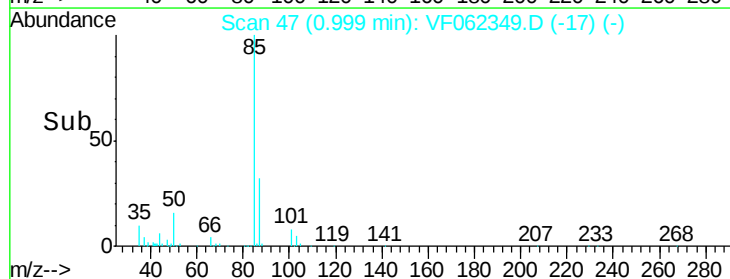
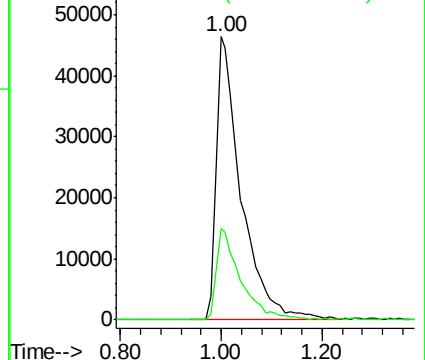
85 100

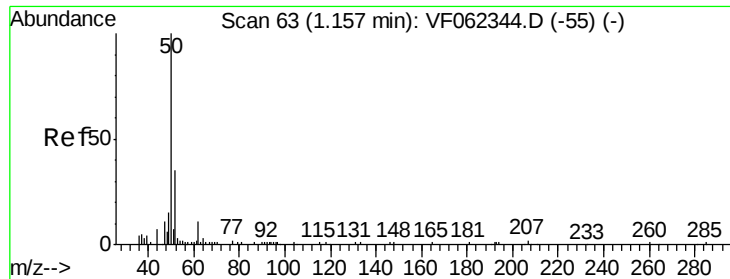
87 32.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0





#3

Chloromethane

Concen: 41.054 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109933

Ion Ratio Lower Upper

50 100

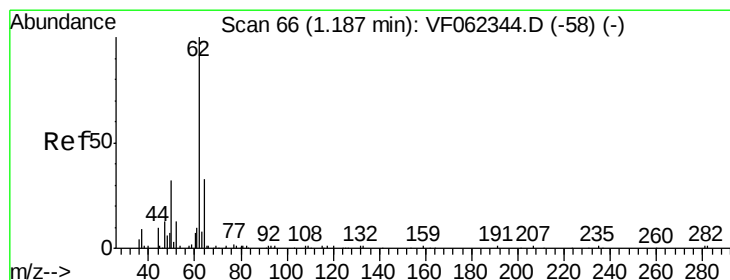
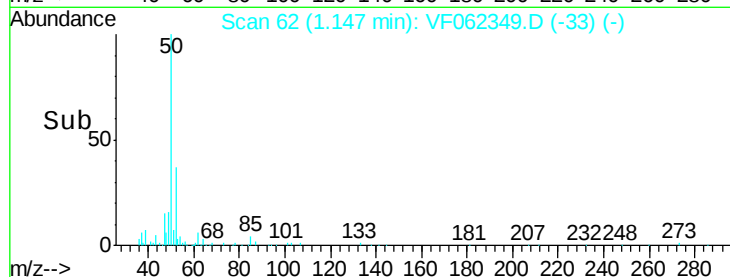
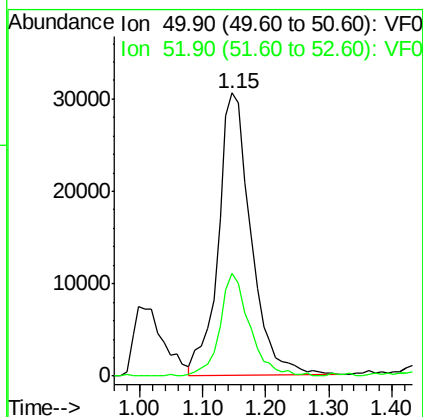
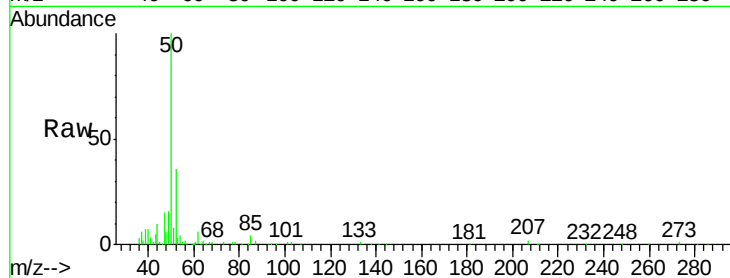
52 36.2 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.368 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062349.D

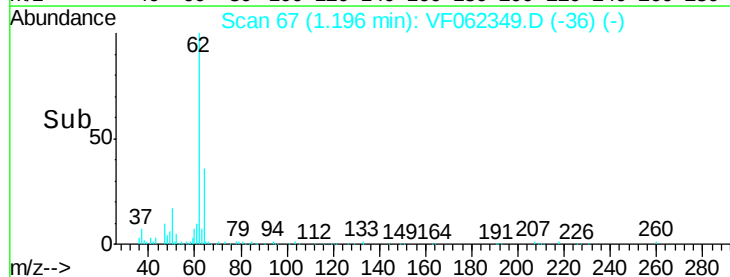
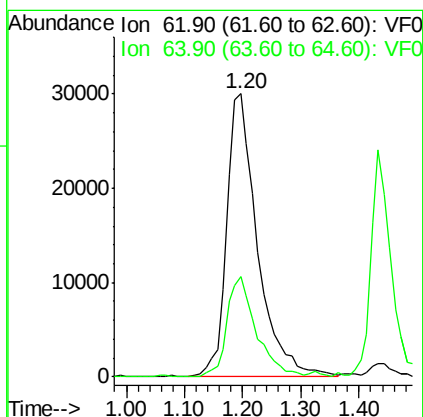
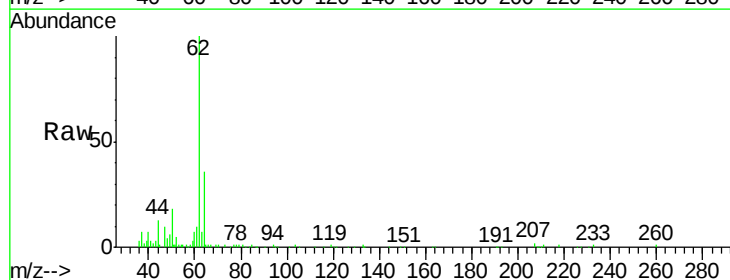
Acq: 7 May 2019 10:03

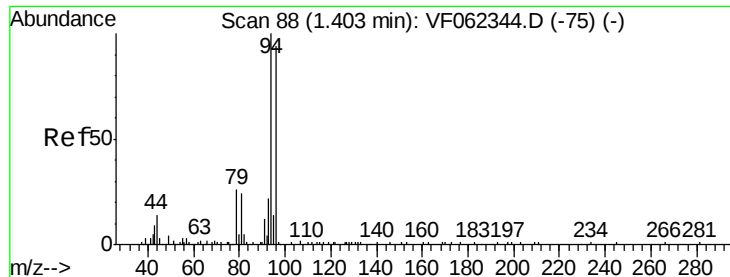
Tgt Ion: 62 Resp: 110493

Ion Ratio Lower Upper

62 100

64 35.2 26.1 39.1





#5

Bromomethane

Concen: 44.879 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 90967

Ion Ratio Lower Upper

94 100

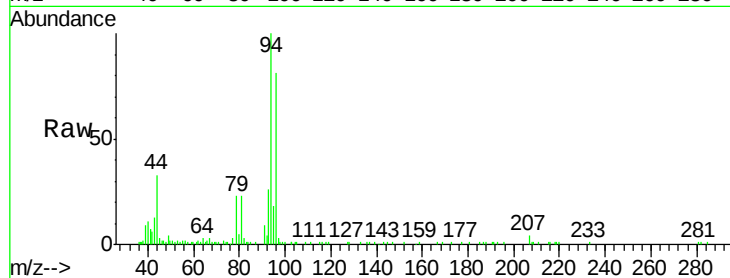
96 80.9 75.4 113.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

25000

20000

15000

10000

5000

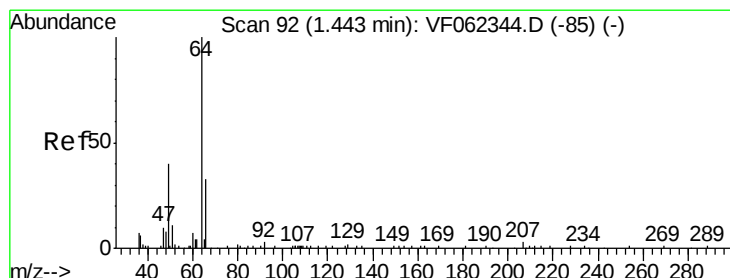
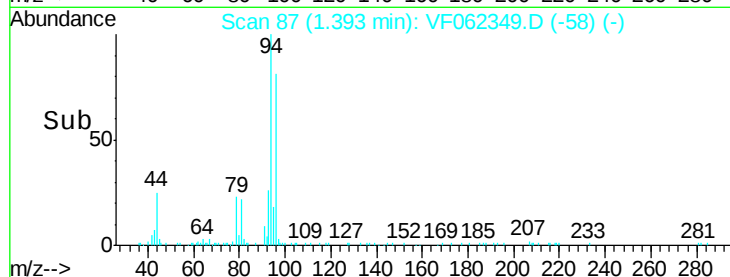
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Time-->

1.20

1.40

1.60



#6

Chloroethane

Concen: 43.217 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062349.D

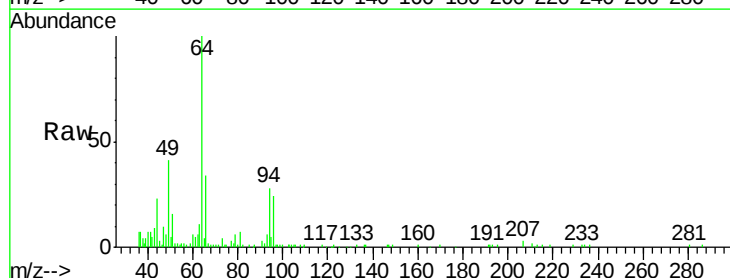
Acq: 7 May 2019 10:03

Tgt Ion: 64 Resp: 58034

Ion Ratio Lower Upper

64 100

66 32.9 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0

25000

20000

15000

10000

5000

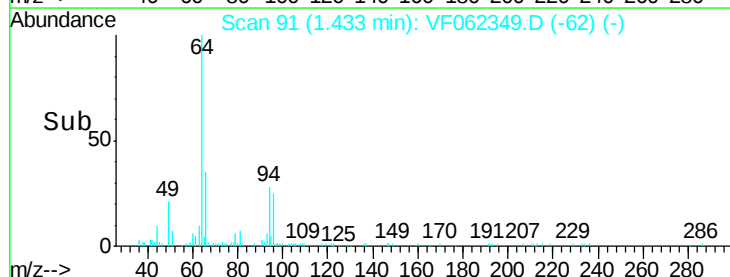
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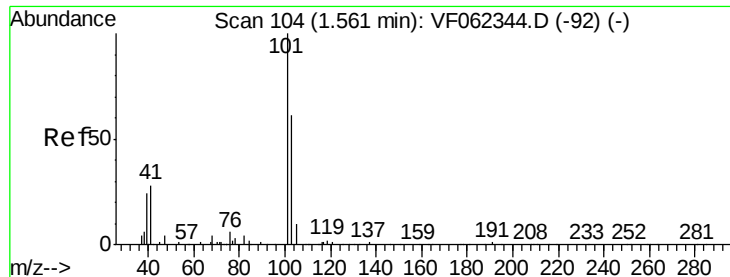
Time-->

1.30

1.40

1.50





#7

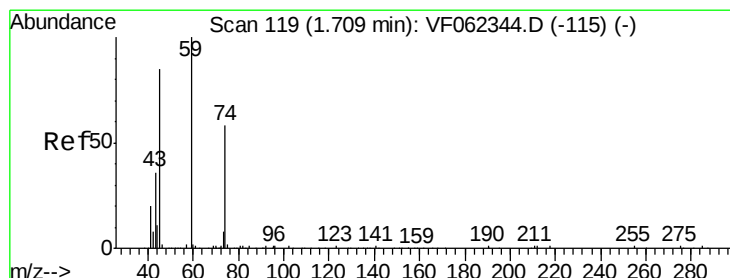
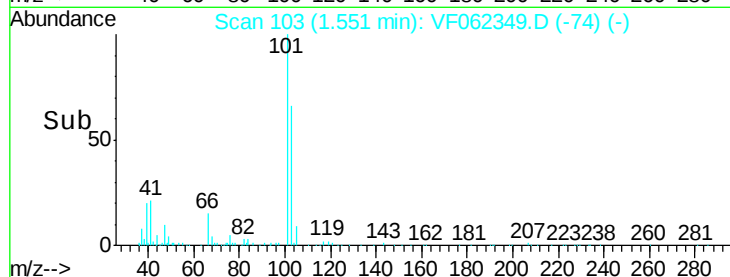
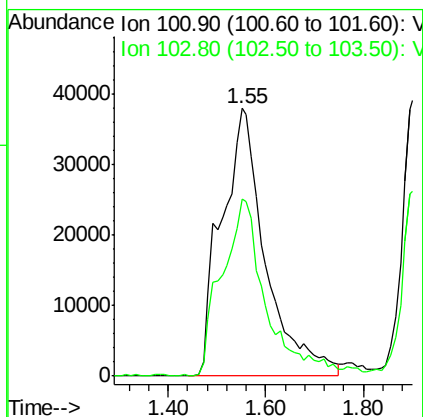
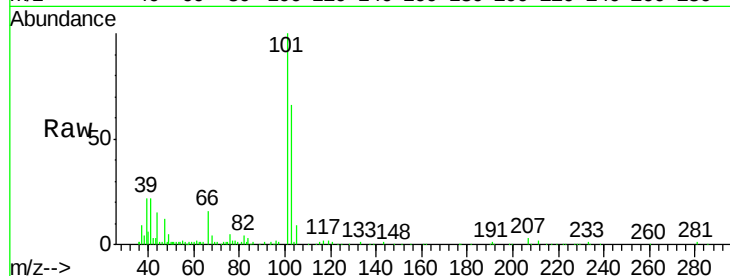
Trichlorofluoromethane
Concen: 43.030 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	48.5	72.7

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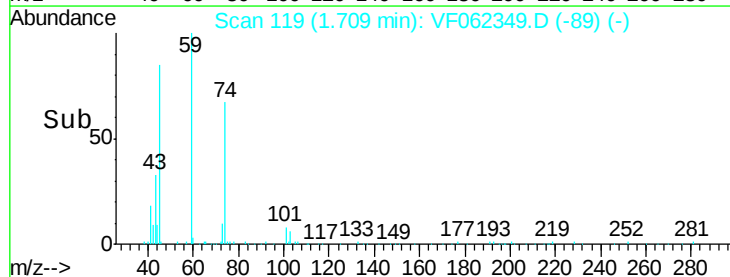
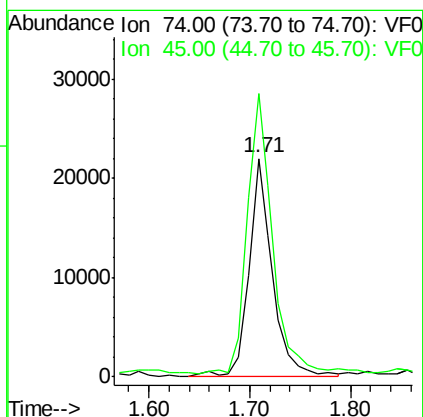
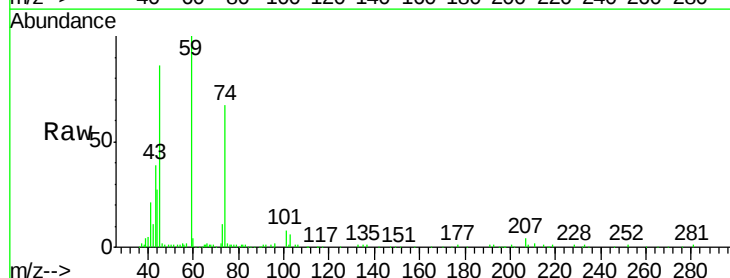
MMDadoda
5/8/2019 11:10:30 AM



#8

Diethyl Ether
Concen: 42.813 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.9	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.569 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

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MSVOA_F

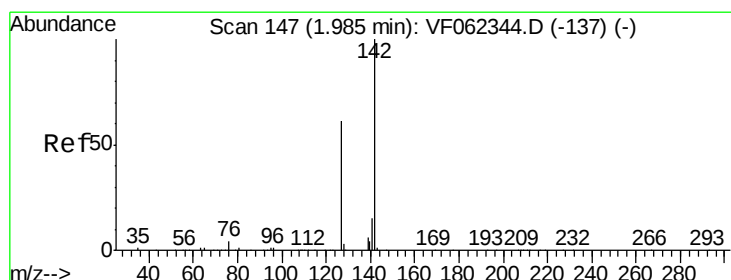
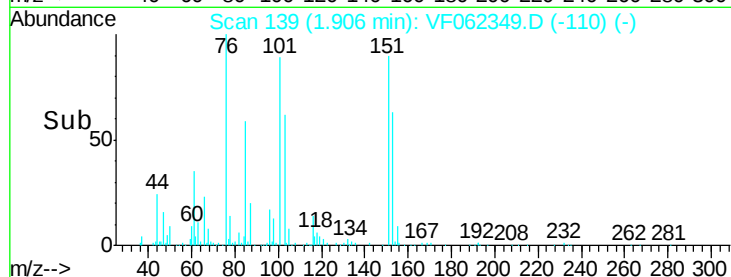
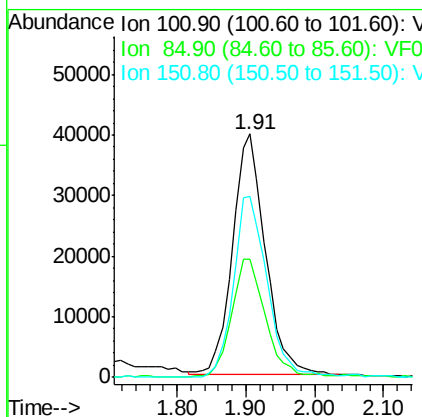
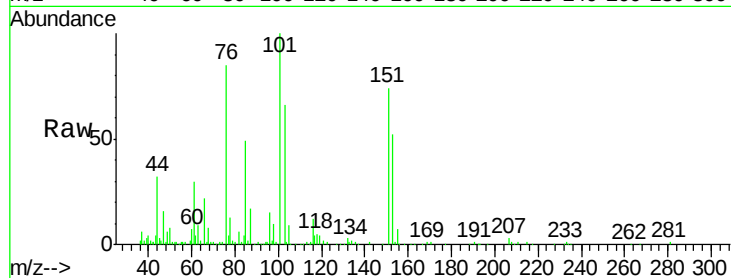
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	131519
Ion Ratio	Lower	Upper	
101	100		
85	50.8	39.5	59.3
151	77.1	59.9	89.9

Manual Integrations
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MMDadoda
5/8/2019 11:10:30 AM



#10

Methyl Iodide

Concen: 44.792 ug/l

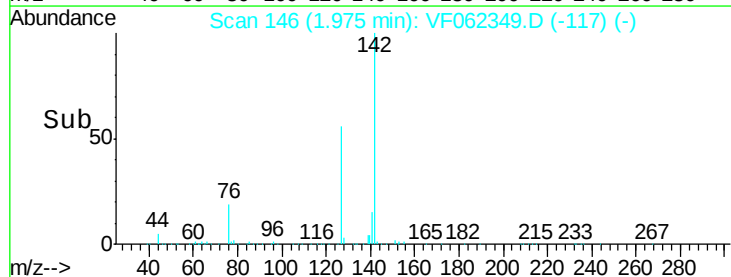
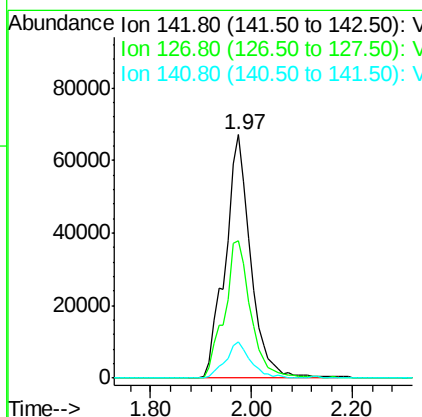
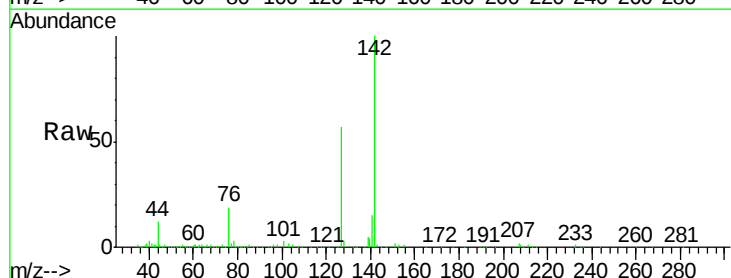
RT: 1.97 min Scan# 146

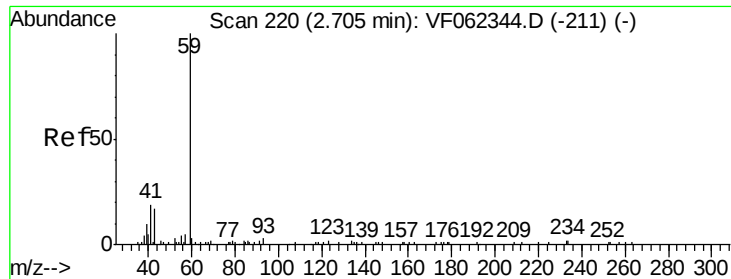
Delta R.T. -0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tgt Ion:	142	Resp:	233541
Ion Ratio	Lower	Upper	
142	100		
127	58.3	48.4	72.6
141	14.6	12.2	18.4





#11

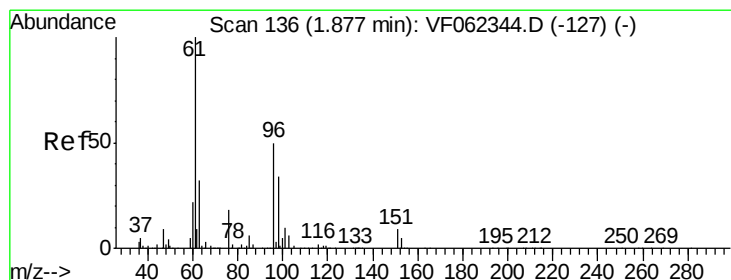
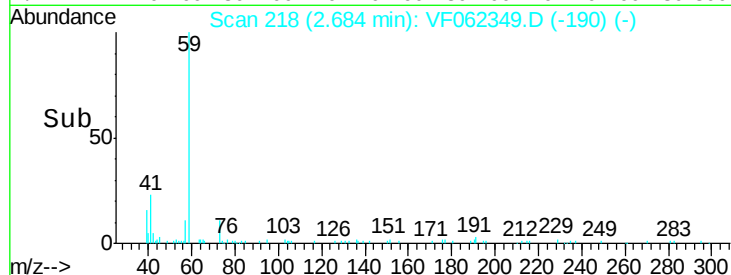
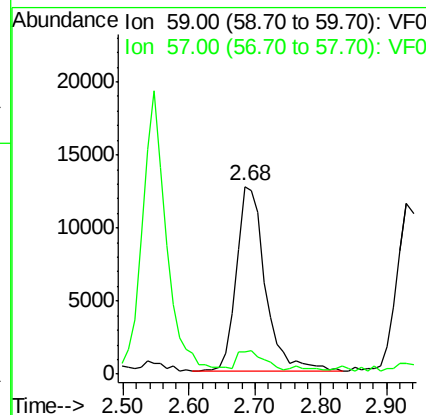
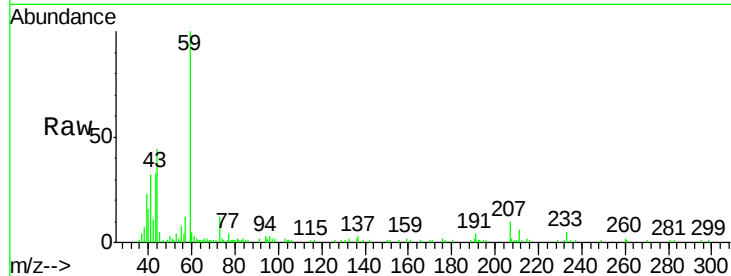
Tert butyl alcohol
Concen: 210.960 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	9.3	13.9

Manual Integrations
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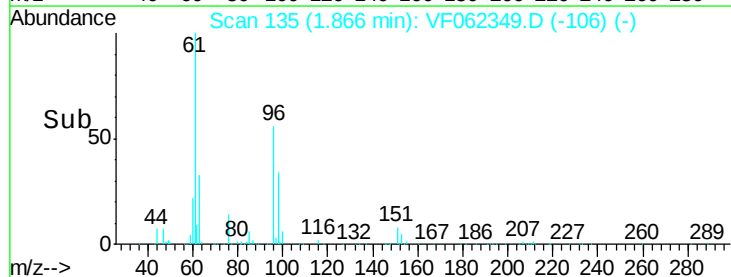
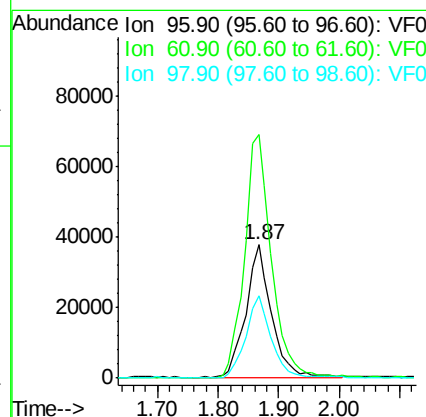
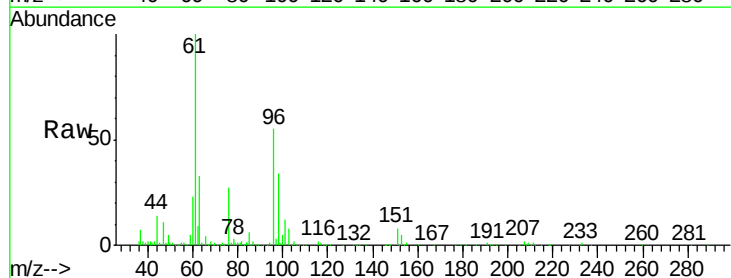
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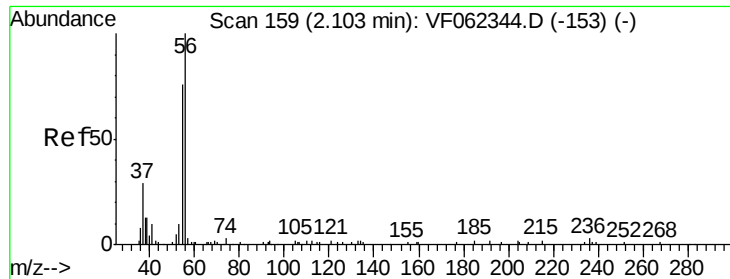


#12

1,1-Dichloroethene
Concen: 41.529 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.9	163.2	244.8
98	61.4	55.2	82.8





#13

Acrolein

Concen: 316.367 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 35993

Ion Ratio Lower Upper

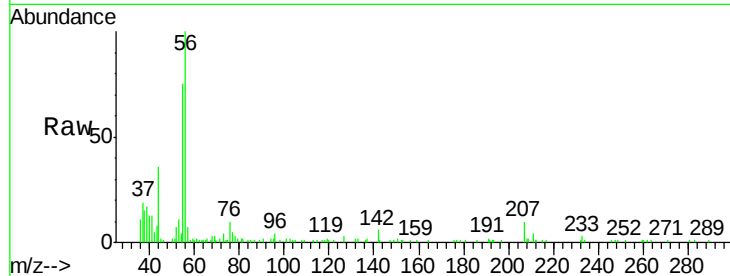
56 100

55 71.4 58.4 87.6

Manual Integrations
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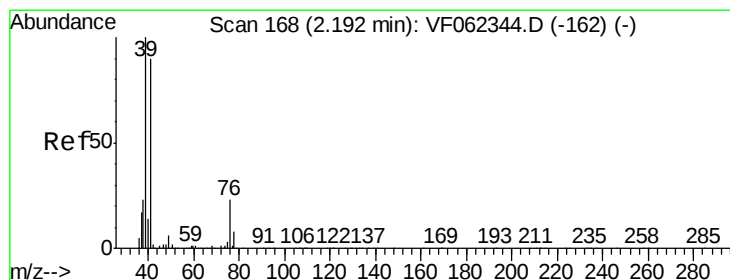
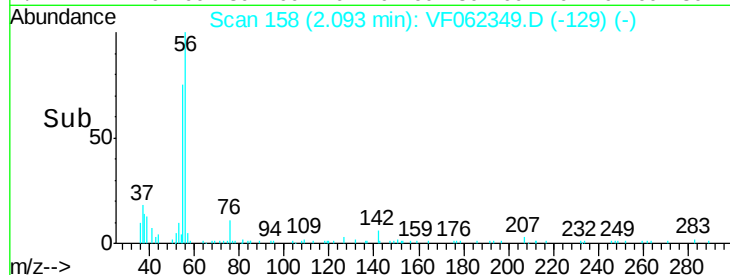
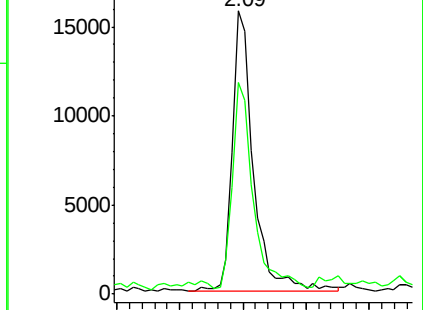
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 71.774 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

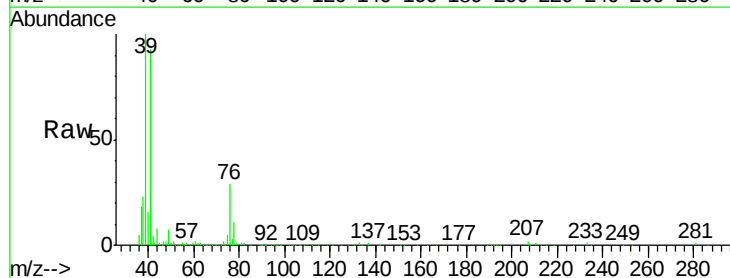
Tgt Ion: 41 Resp: 170532

Ion Ratio Lower Upper

41 100

39 104.3 90.8 136.2

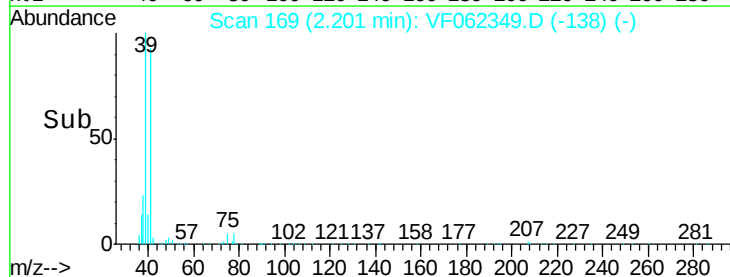
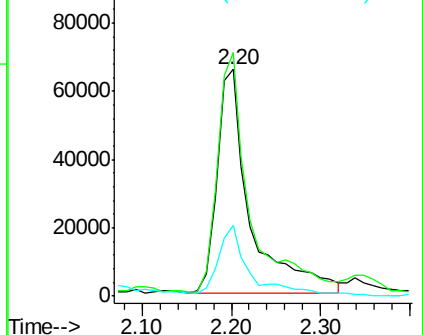
76 30.4 22.2 33.4

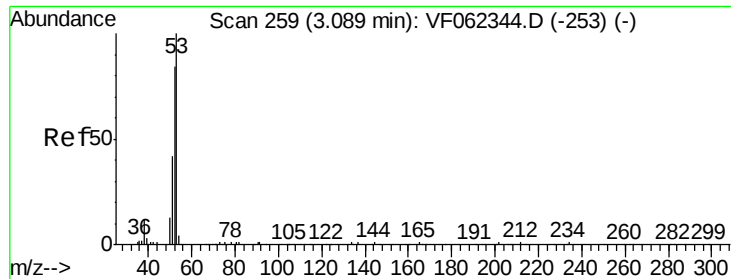


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0





#15

Acrylonitrile

Concen: 234.411 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

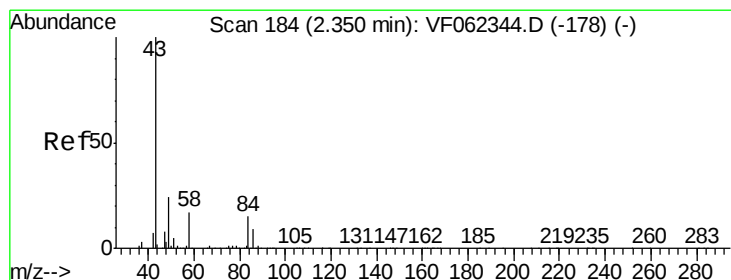
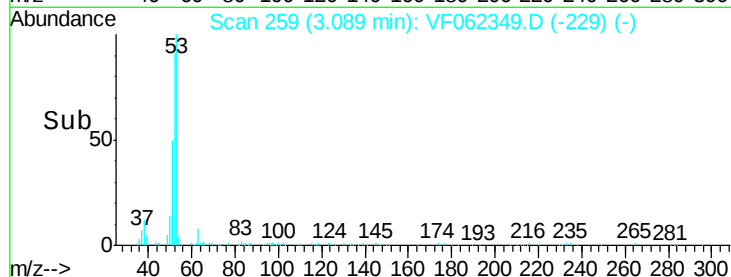
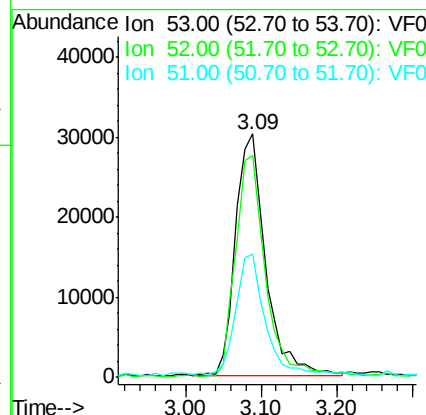
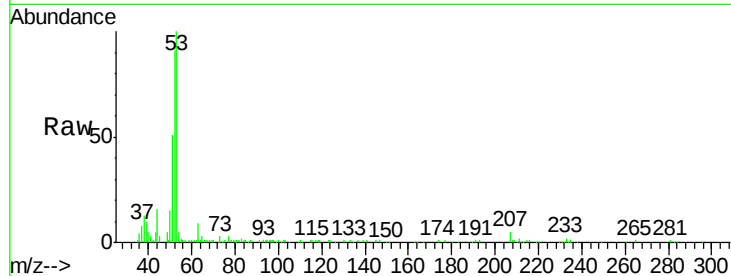
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	83202
Ion	Ratio	Lower	Upper
53	100		
52	92.8	77.2	115.8
51	49.2	40.6	61.0

Manual Integrations
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#16

Acetone

Concen: 303.814 ug/l

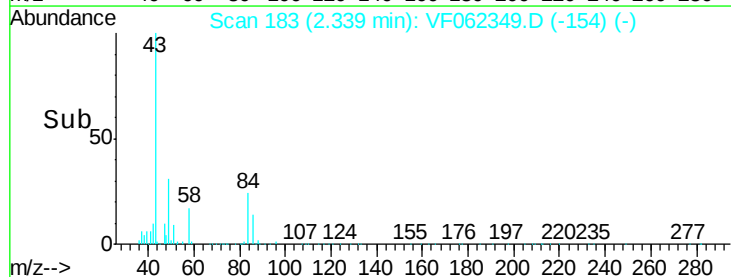
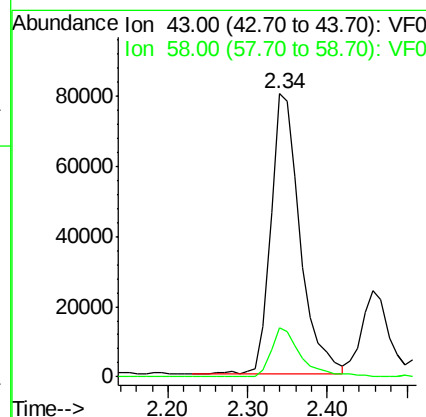
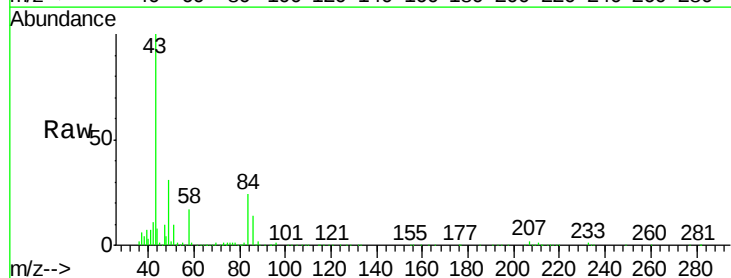
RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tgt Ion:	43	Resp:	203762
Ion	Ratio	Lower	Upper
43	100		
58	17.4	13.1	19.7





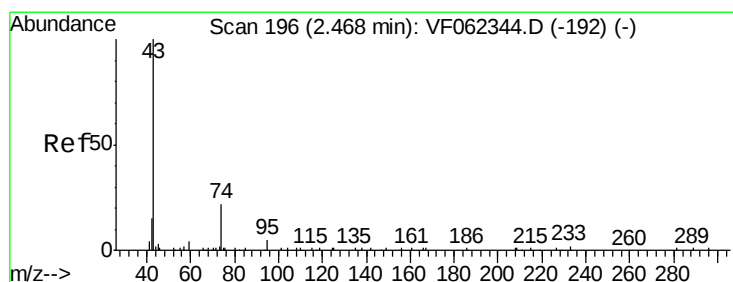
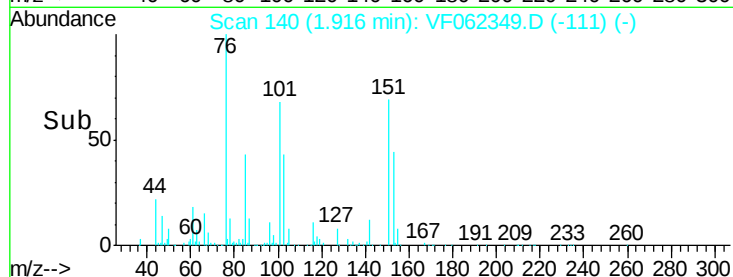
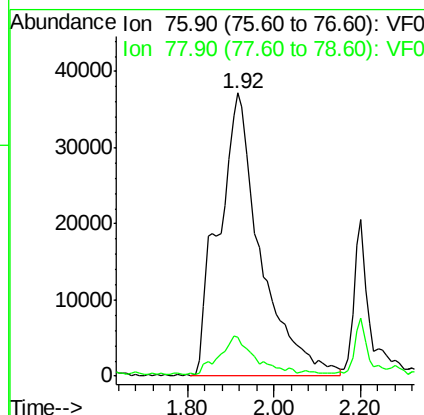
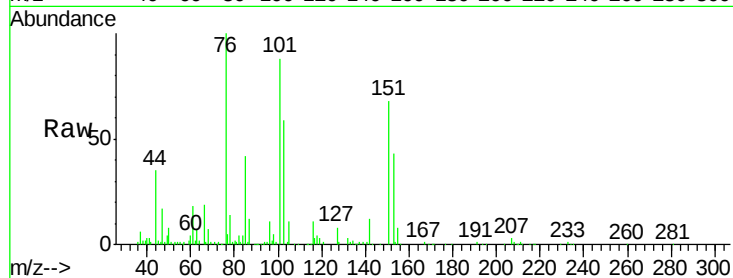
#17
Carbon Disulfide
Concen: 42.670 ug/l
RT: 1.92 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.6	9.0	13.4

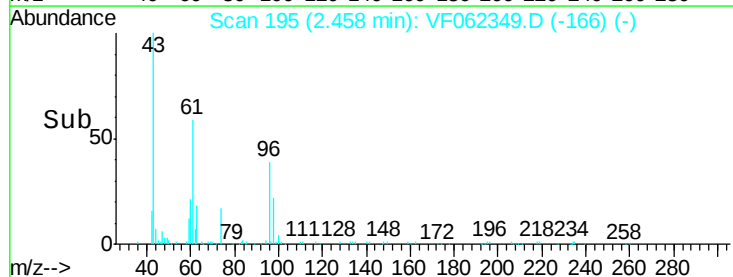
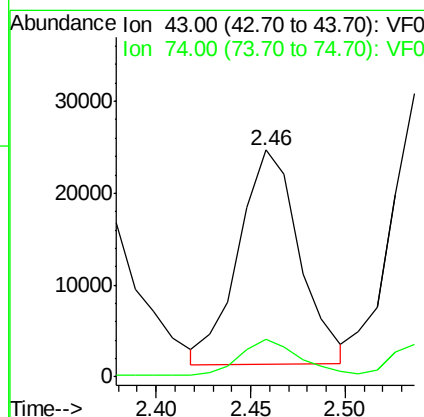
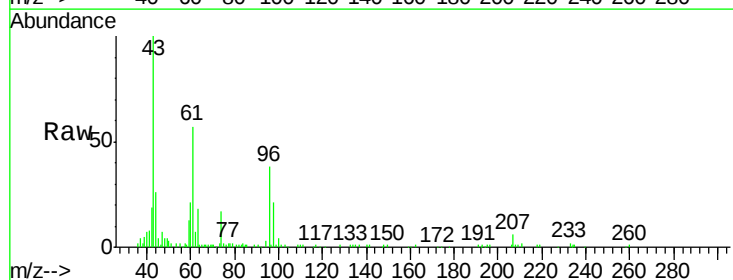
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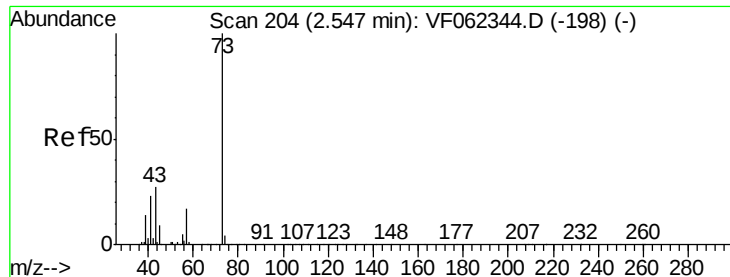
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#18
Methyl Acetate
Concen: 42.082 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.6	15.0	22.4





#19

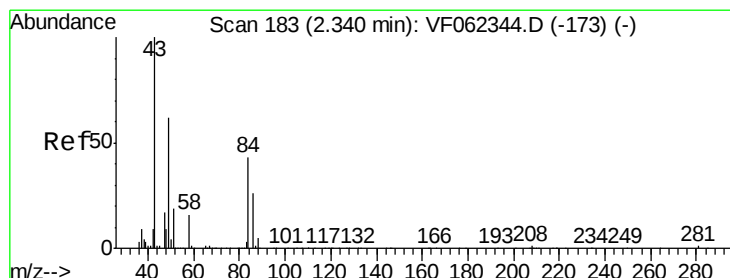
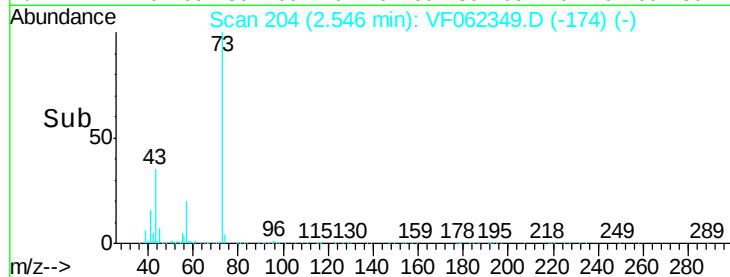
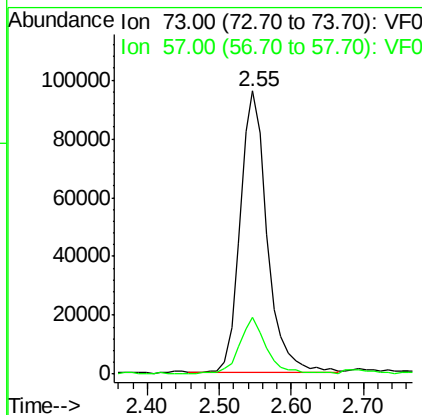
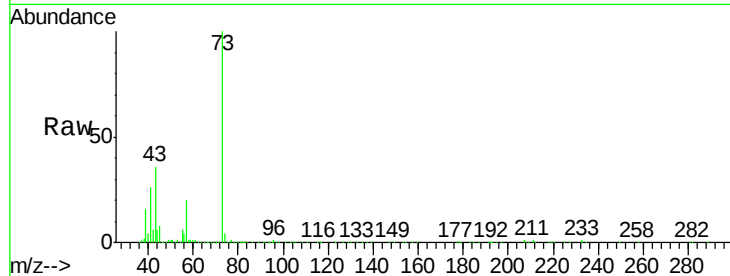
Methyl tert-butyl Ether
 Concen: 45.202 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	73	Resp	250972
Ion Ratio	Lower	Upper	
73	100		
57	19.9	13.7	20.5

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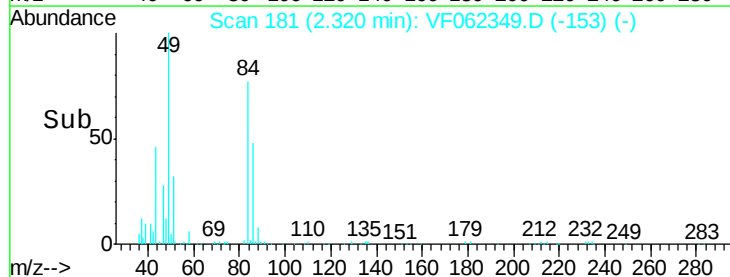
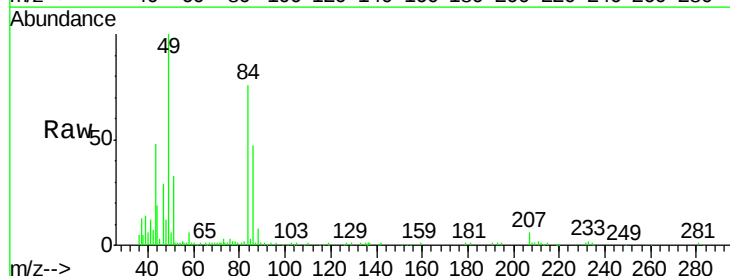
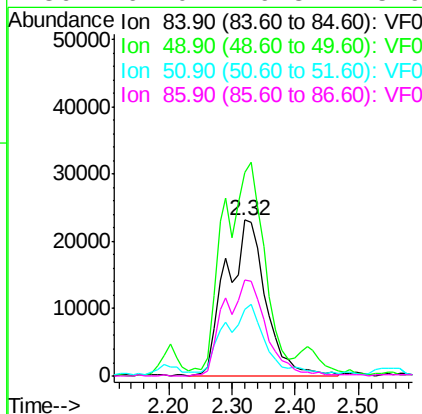
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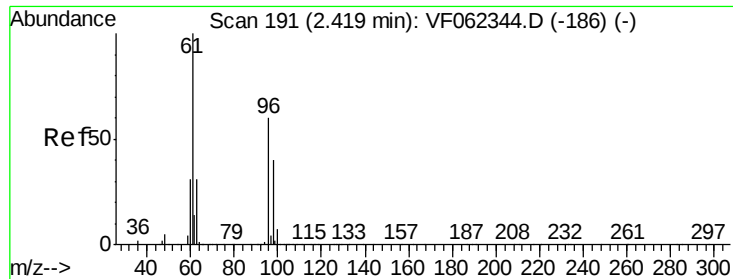


#20

Methylene Chloride
 Concen: 41.984 ug/l
 RT: 2.32 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Tgt Ion	84	Resp	101874
Ion Ratio	Lower	Upper	
84	100		
49	127.7	117.5	176.3
51	40.7	37.0	55.4
86	62.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 41.270 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

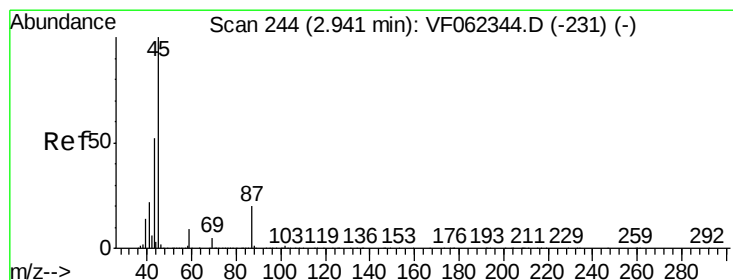
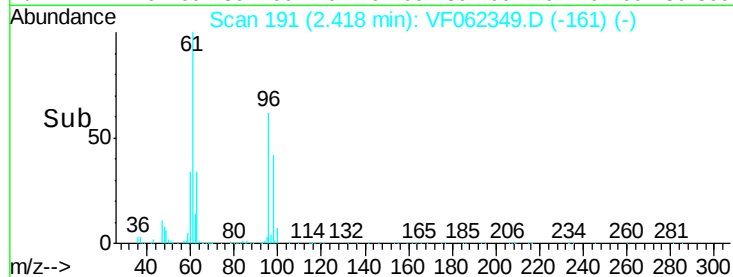
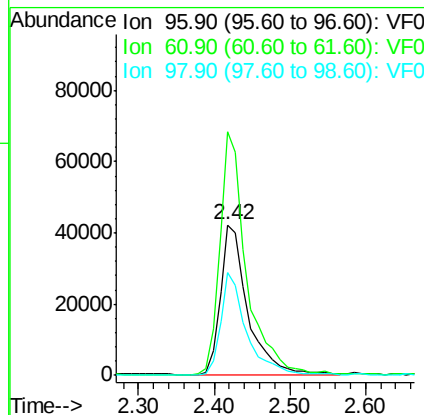
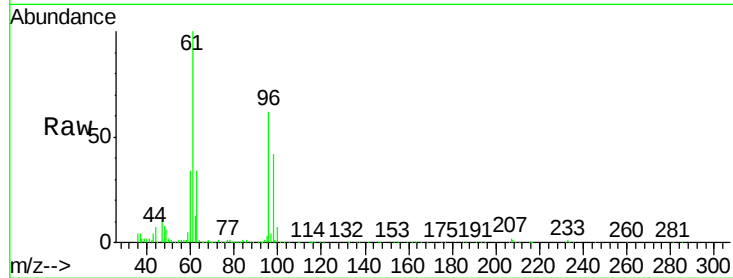
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	105760
Ion	Ratio	Lower	Upper
96	100		
61	162.0	133.2	199.8
98	68.2	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.062 ug/l

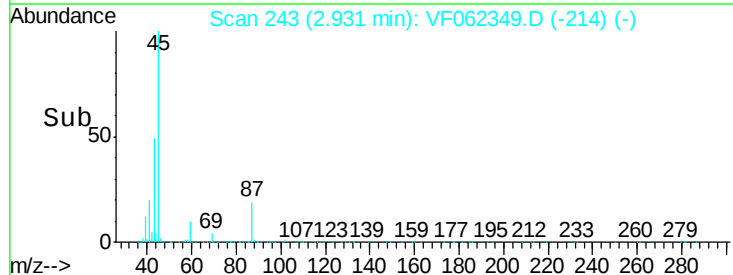
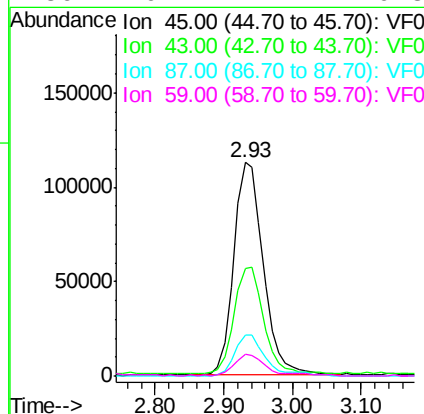
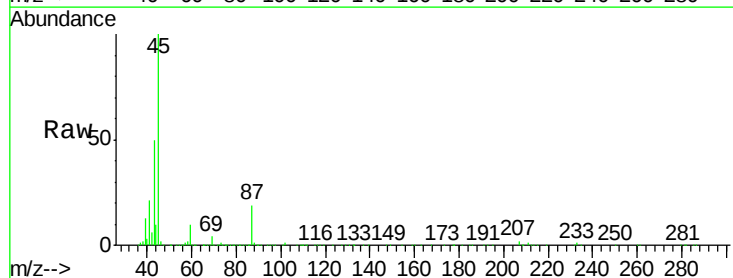
RT: 2.93 min Scan# 243

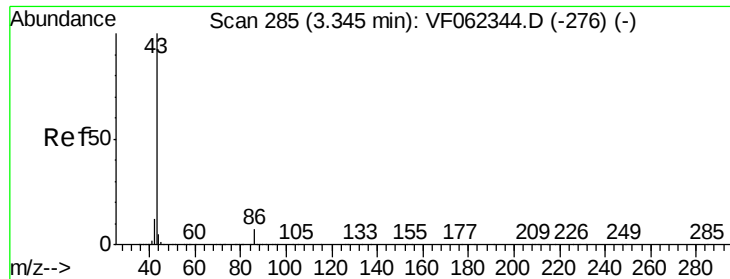
Delta R.T. -0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tgt Ion:	45	Resp:	334628
Ion	Ratio	Lower	Upper
45	100		
43	49.1	41.4	62.0
87	19.2	15.8	23.6
59	10.1	7.2	10.8





#23

Vinyl Acetate

Concen: 233.831 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 773898

Ion Ratio Lower Upper

43 100

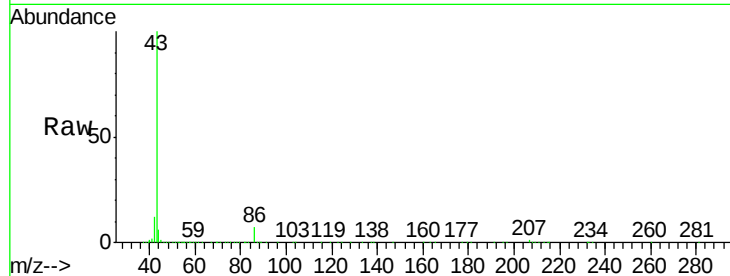
86 6.9 5.7 8.5

Manual Integrations

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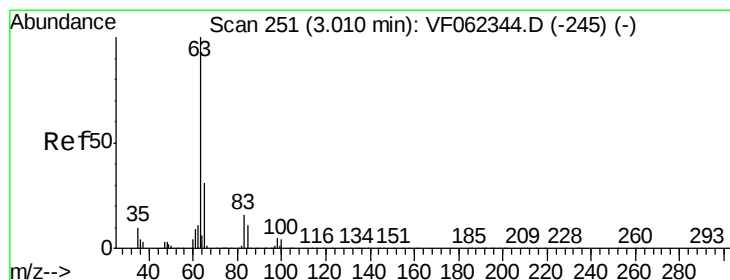
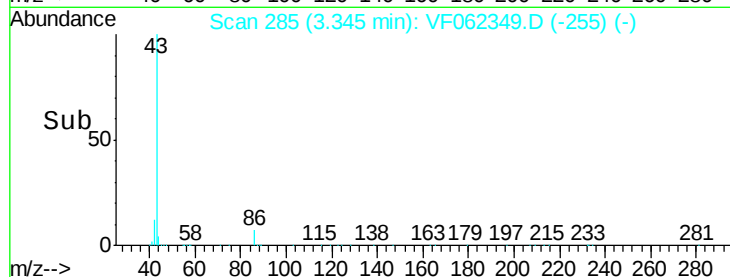
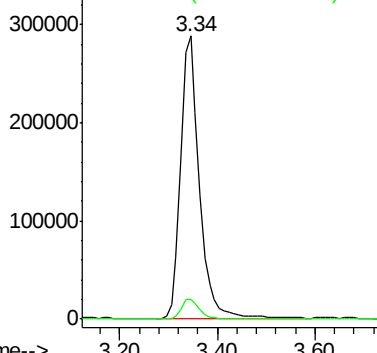
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 47.126 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

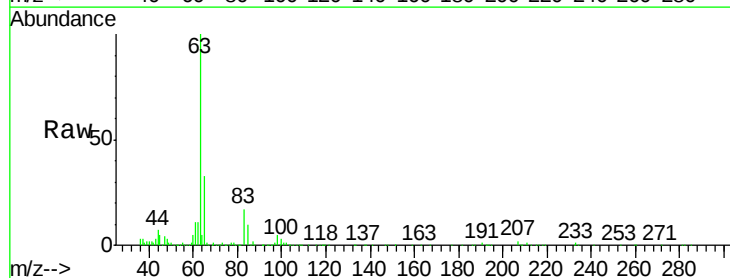
Tgt Ion: 63 Resp: 211503

Ion Ratio Lower Upper

63 100

98 4.6 2.6 8.0

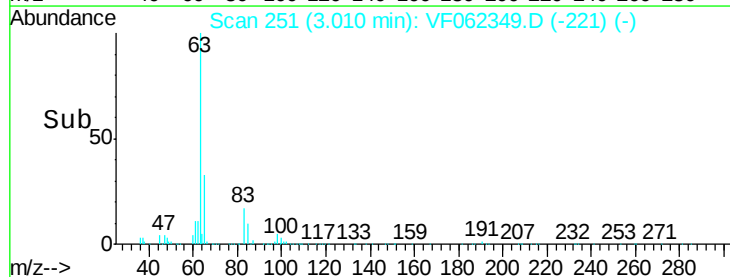
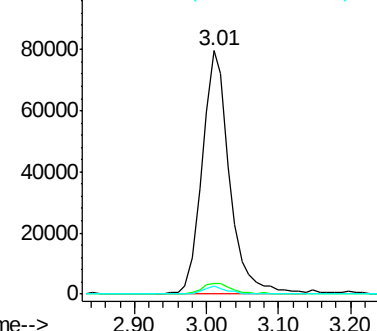
100 3.2 1.8 5.4

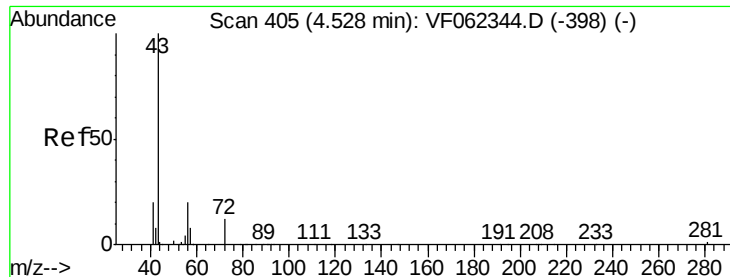


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 260.832 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tot Ion: 43 Resp: 219775

Ion Ratio Lower Upper

43 100

72 19.7 14.2 21.4

Instrument :

MSVOA_F

ClientSampleId :

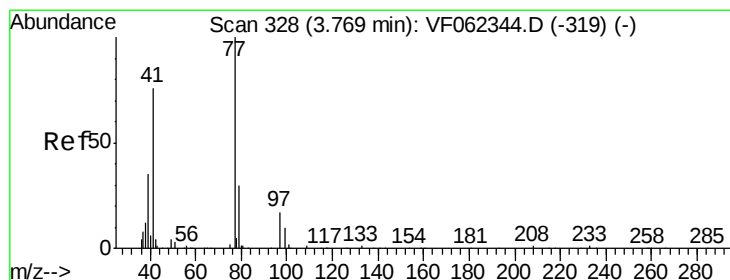
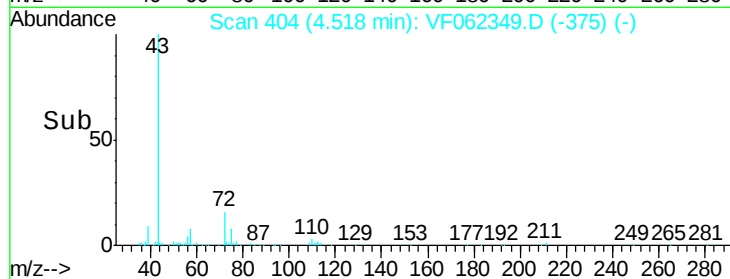
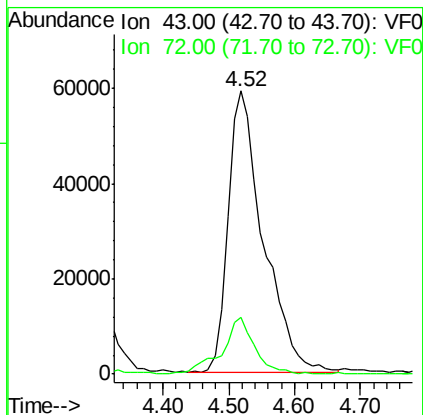
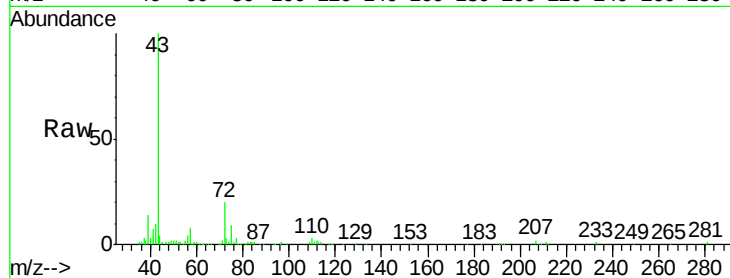
VSTDCCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.114 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF062349.D

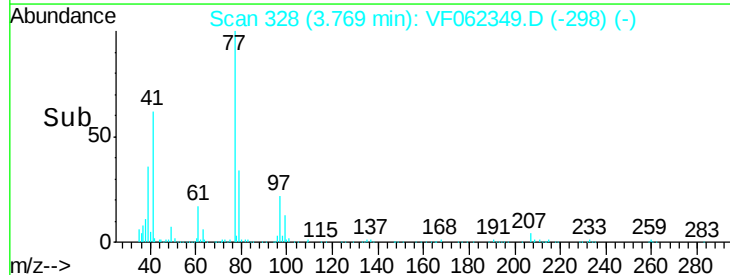
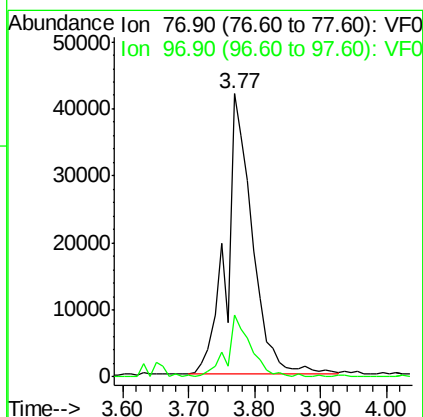
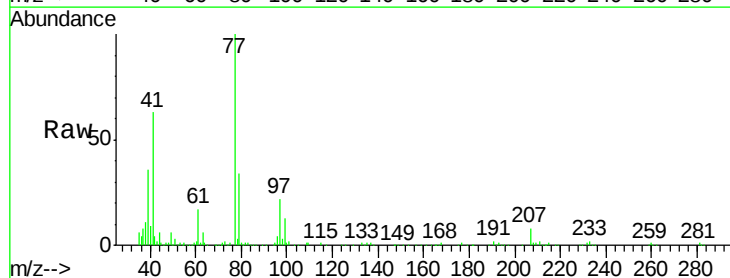
Acq: 7 May 2019 10:03

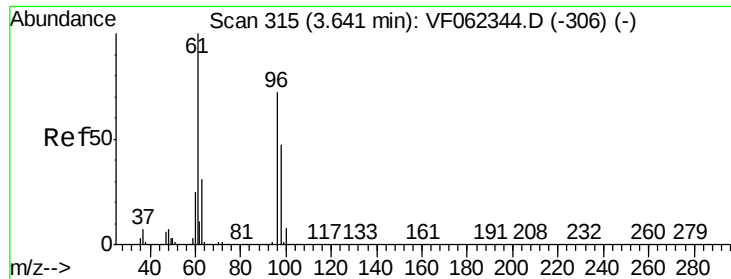
Tgt Ion: 77 Resp: 115578

Ion Ratio Lower Upper

77 100

97 19.2 9.5 28.5





#27

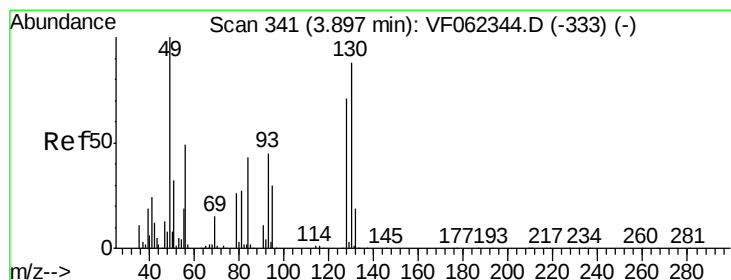
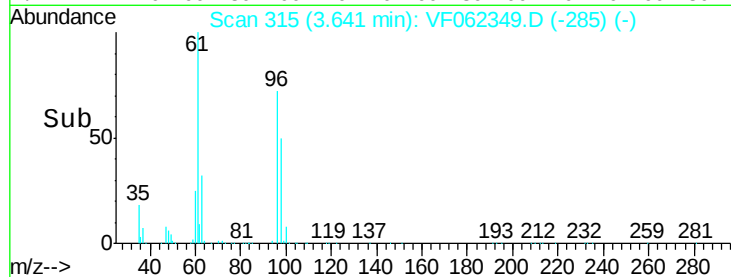
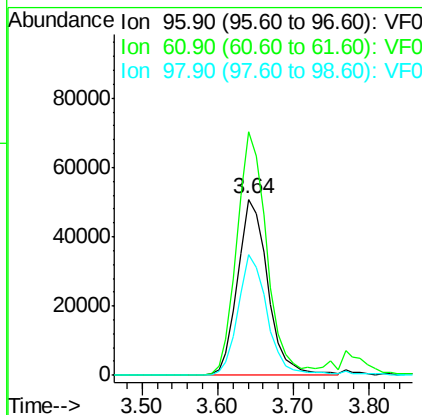
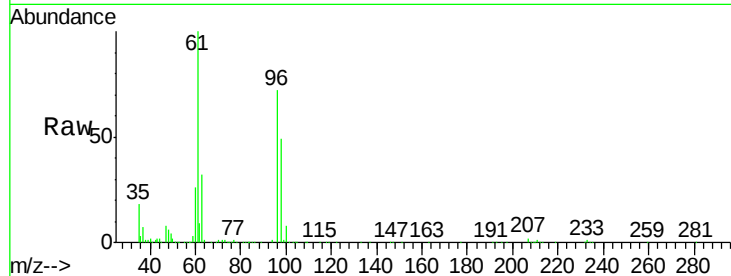
cis-1,2-Dichloroethene
Concen: 43.993 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	140923		
61	136.8	0.0	263.0	
98	66.4	0.0	130.8	

Manual Integrations
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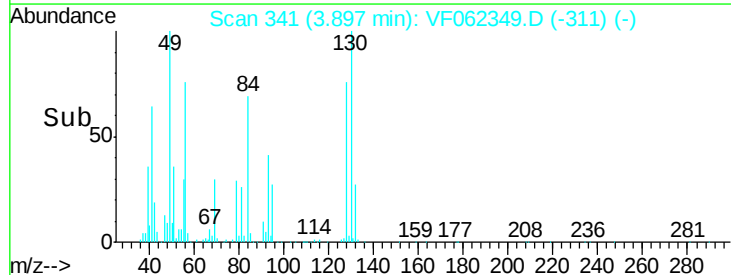
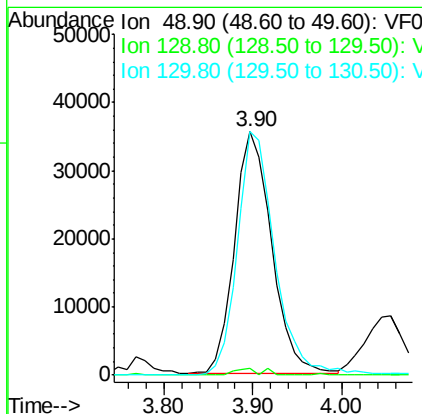
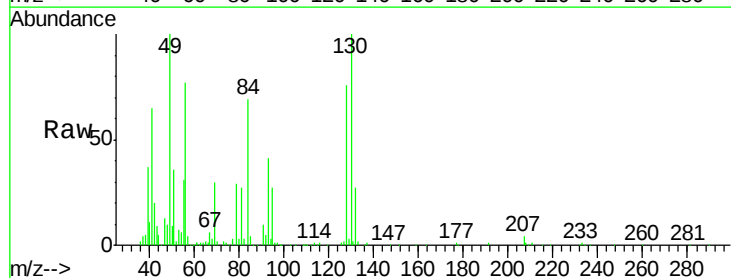
MMDadoda
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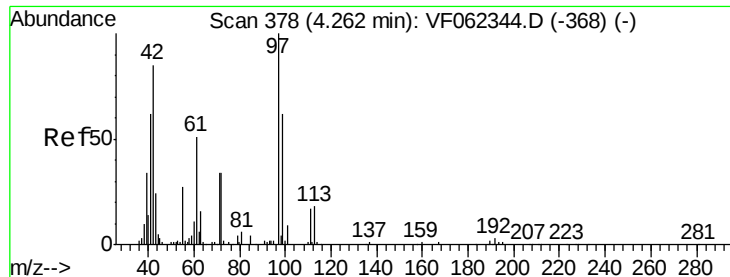


#28

Bromochloromethane
Concen: 50.598 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	102989		
129	2.0	0.0	2.2	
130	101.8	79.4	119.0	





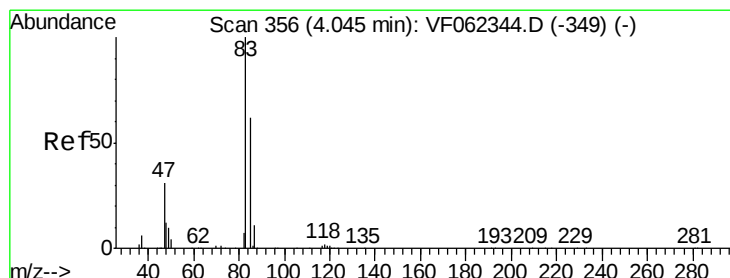
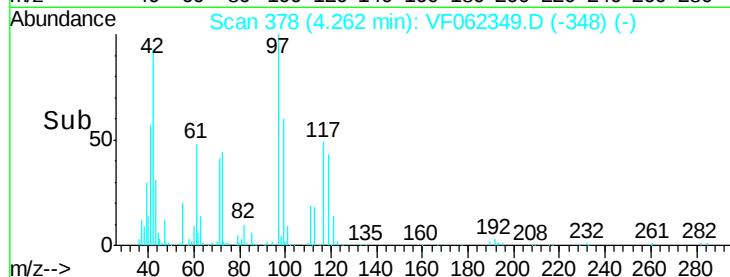
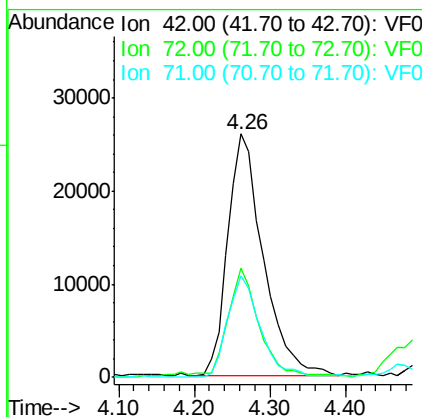
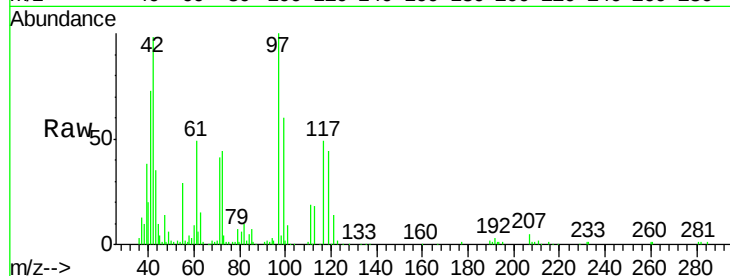
#29
Tetrahydrofuran
Concen: 217.292 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.4	47.0
71	38.6	31.7	47.5

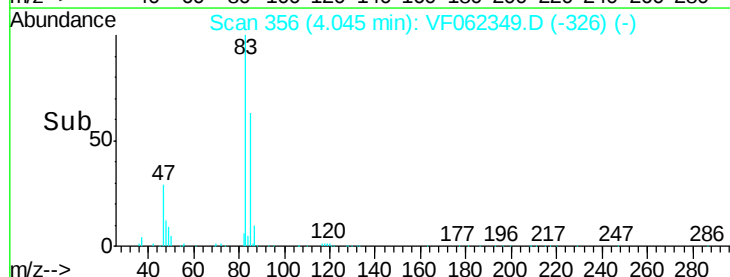
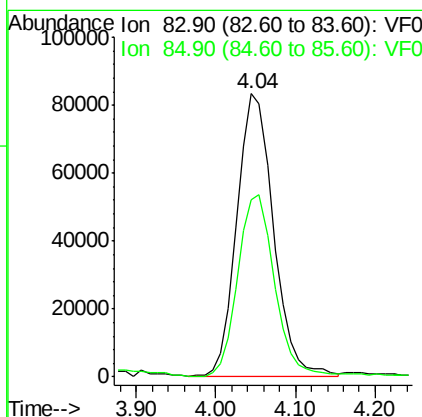
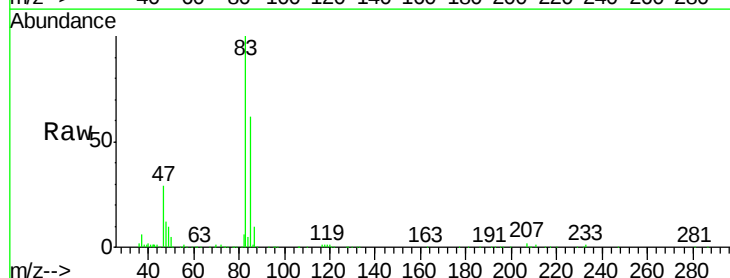
Manual Integrations
APPROVED

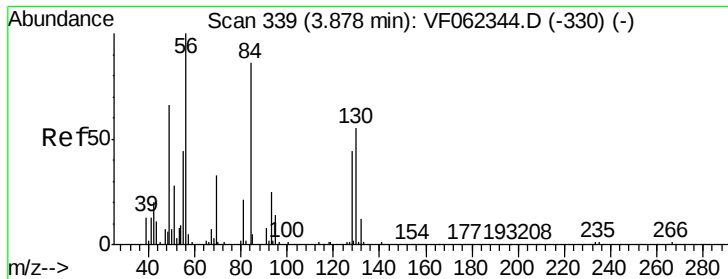
MMDadoda
5/8/2019 11:10:30 AM



#30
Chloroform
Concen: 43.732 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.6	74.4





#31

Cyclohexane

Concen: 43.402 ug/l

RT: 3.88 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

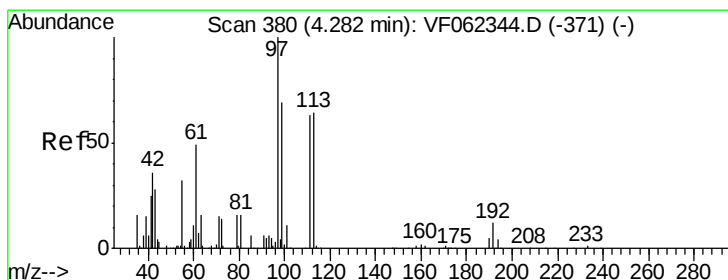
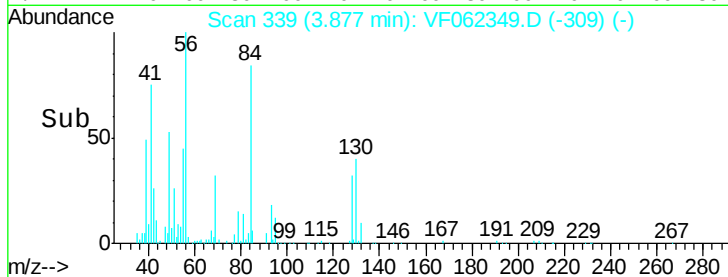
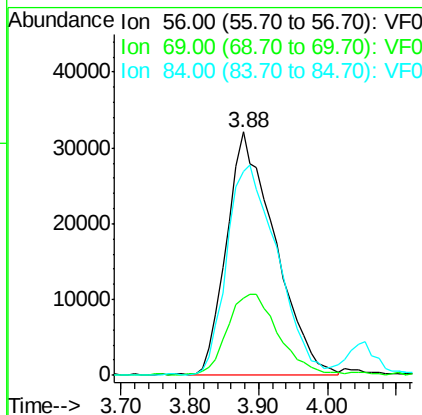
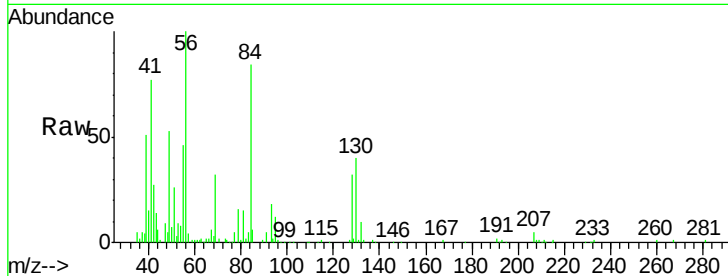
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	155479
Ion Ratio		Lower	Upper
56	100		
69	31.3	26.4	39.6
84	83.9	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.014 ug/l

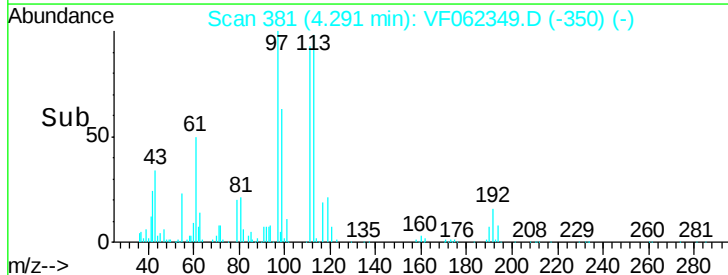
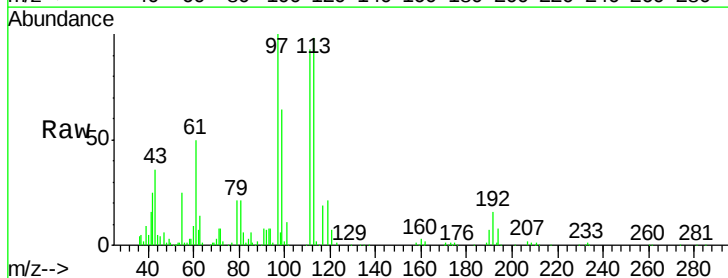
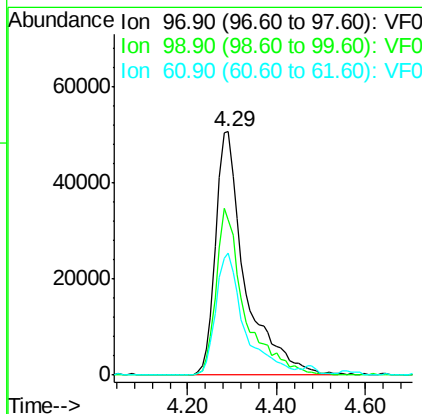
RT: 4.29 min Scan# 381

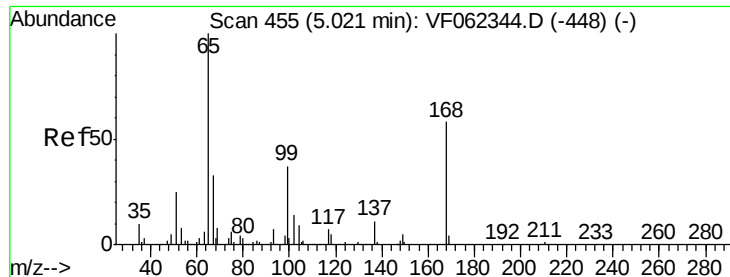
Delta R.T. 0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tgt Ion:	97	Resp:	233921
Ion Ratio		Lower	Upper
97	100		
99	65.9	52.6	78.8
61	48.6	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 51.704 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 171420

Ion Ratio Lower Upper

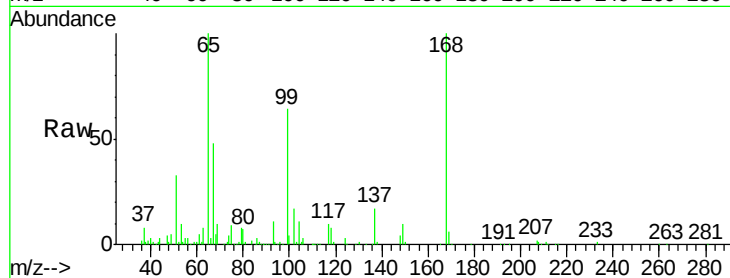
65 100

67 45.3 0.0 85.8

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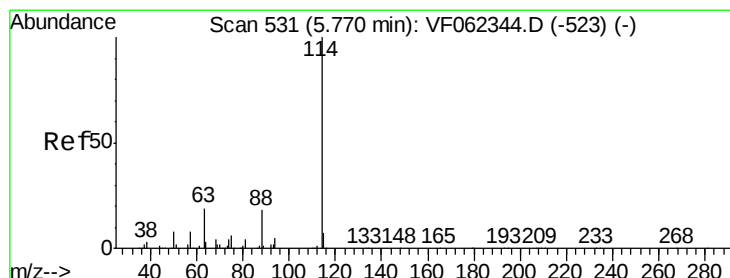
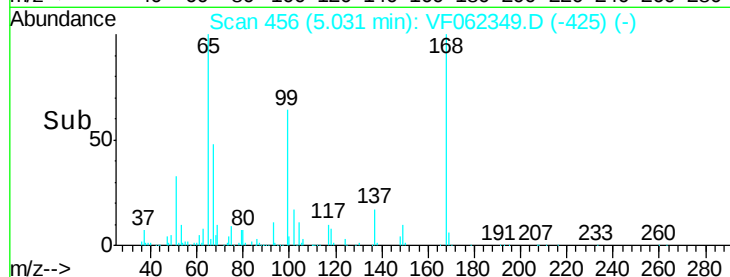
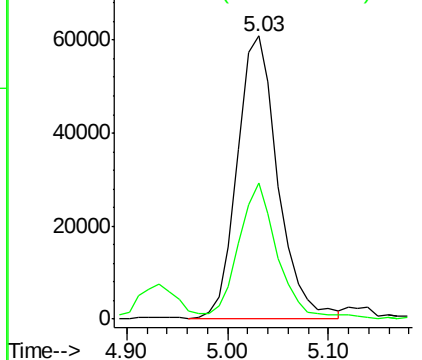
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Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

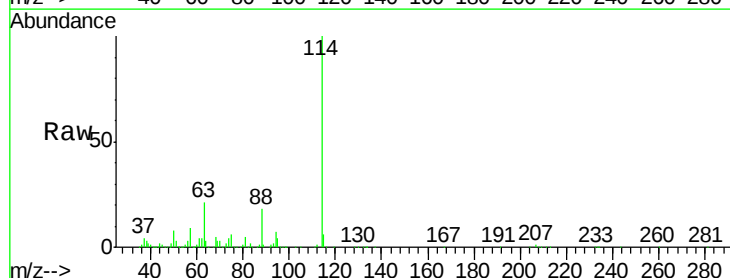
Tgt Ion:114 Resp: 455407

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

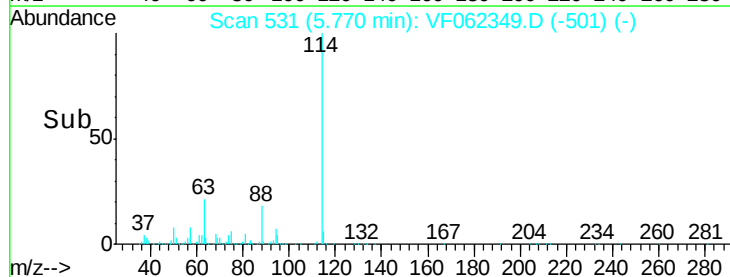
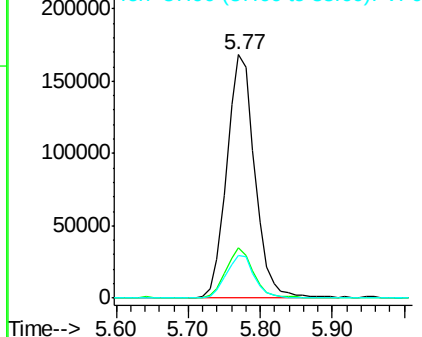
88 17.7 0.0 36.4

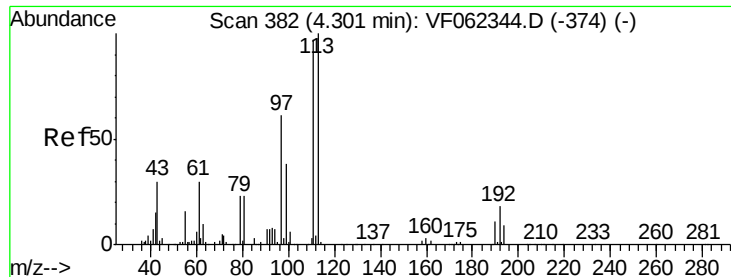


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 51.131 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

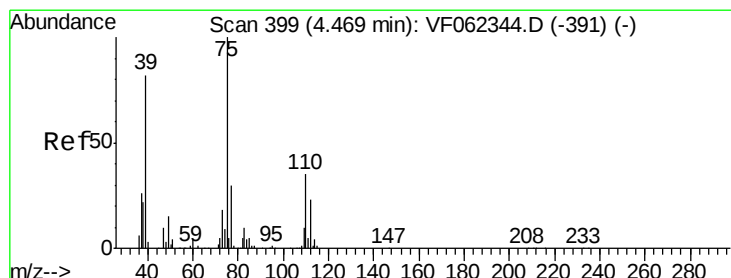
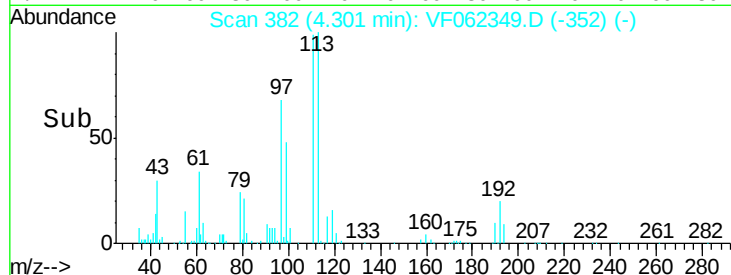
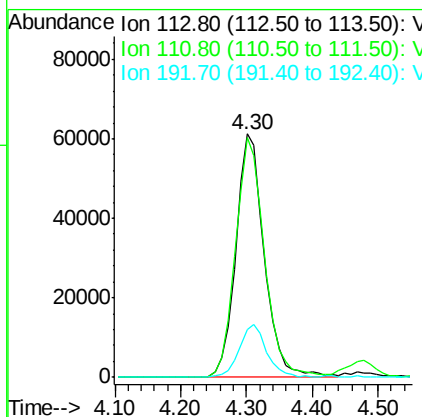
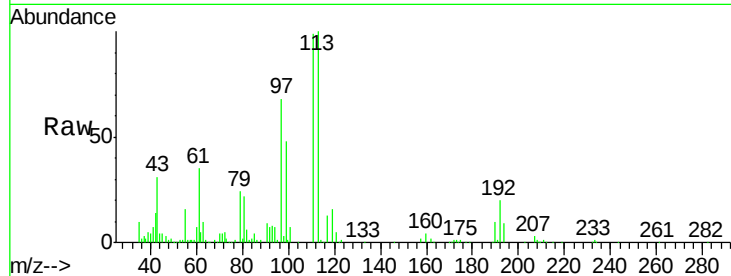
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	185510
Ion Ratio	Lower	Upper	
113	100		
111	100.1	79.4	119.0
192	21.2	16.0	24.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.941 ug/l

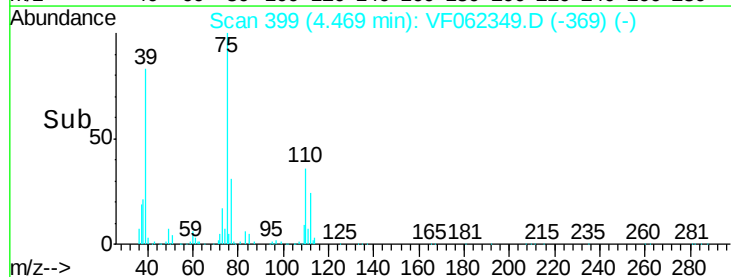
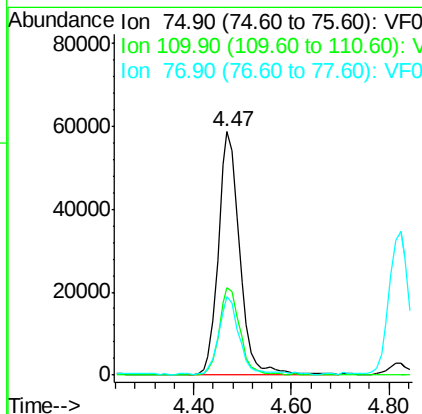
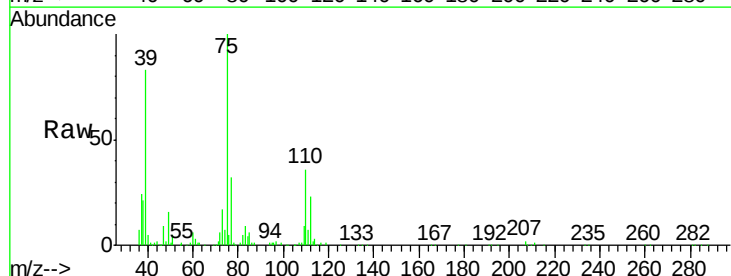
RT: 4.47 min Scan# 399

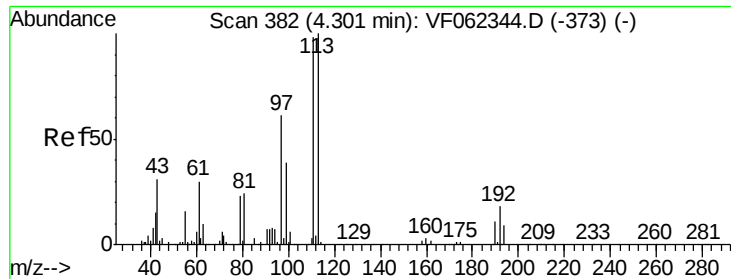
Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tgt Ion:	75	Resp:	179727
Ion Ratio	Lower	Upper	
75	100		
110	35.0	17.2	51.5
77	29.6	25.2	37.8





#37

Ethyl Acetate

Concen: 48.407 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

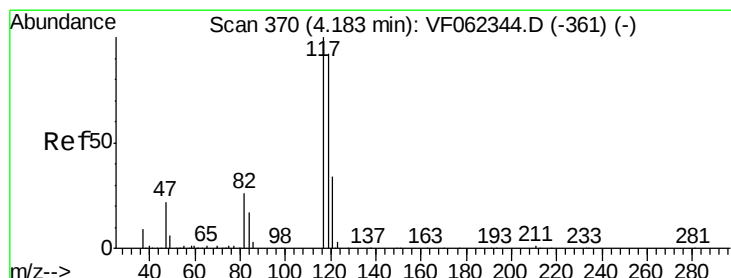
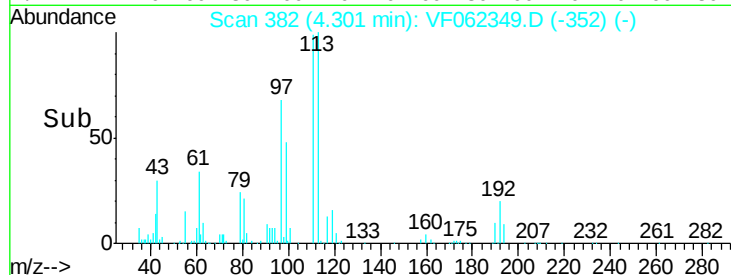
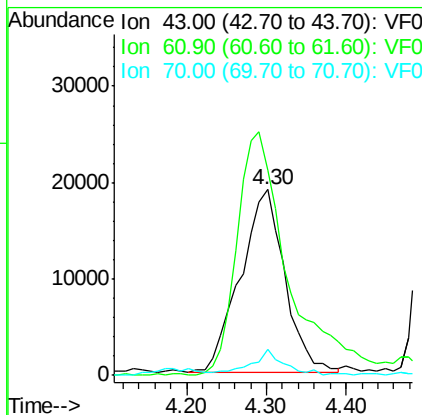
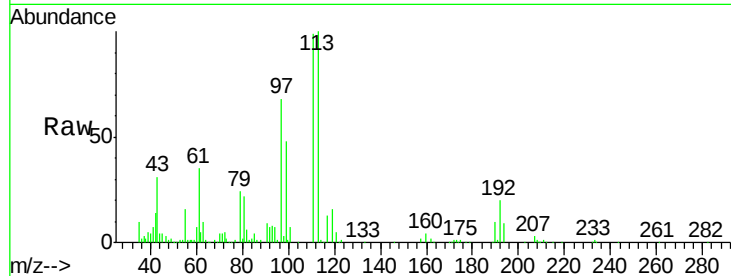
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	73999
Ion	Ratio	Lower	Upper
43	100		
61	153.6	0.0	0.0#
70	9.9	8.2	12.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 51.582 ug/l m

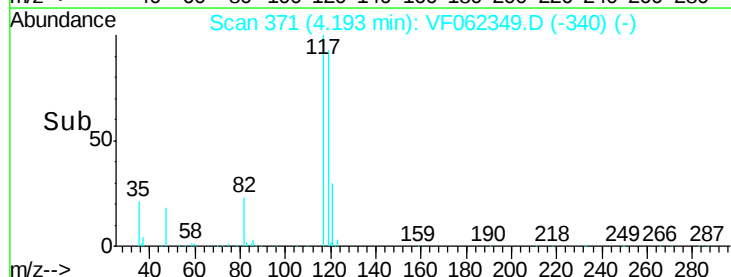
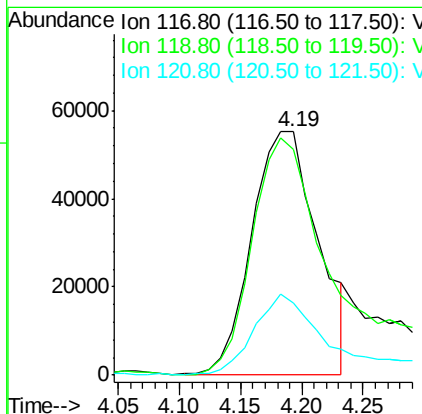
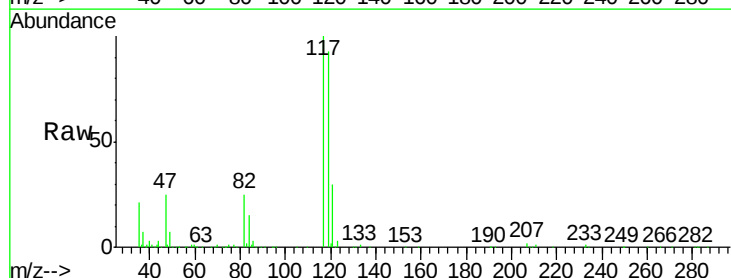
RT: 4.19 min Scan# 371

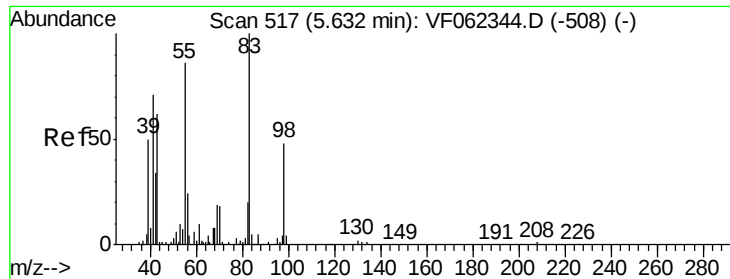
Delta R.T. 0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tgt Ion:	117	Resp:	208953
Ion	Ratio	Lower	Upper
117	100		
119	92.6	73.4	110.2
121	29.8	27.4	41.0





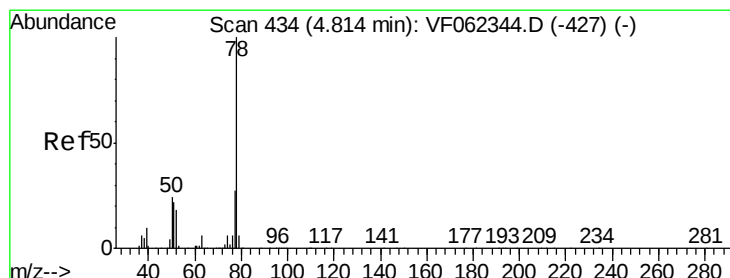
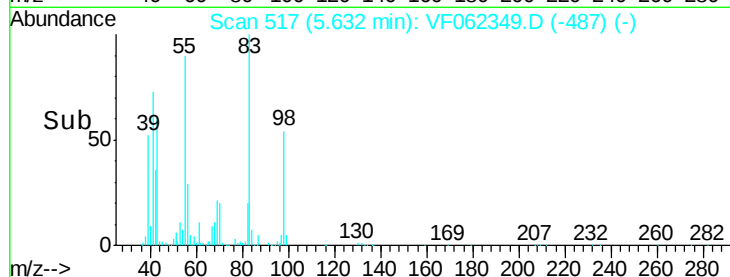
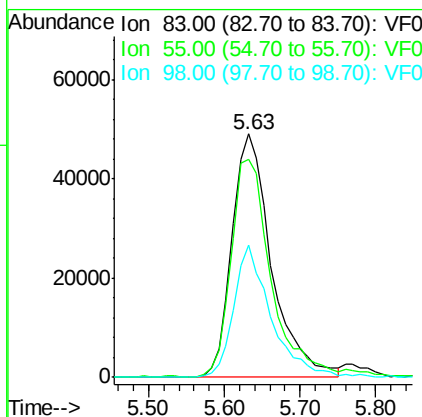
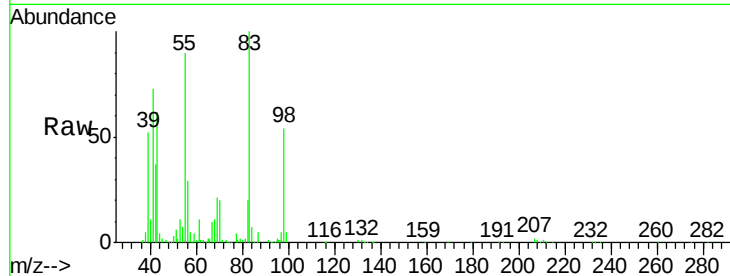
#39
Methvlcvclohexane
Concen: 45.362 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.7	69.0	103.6
98	54.4	38.6	58.0

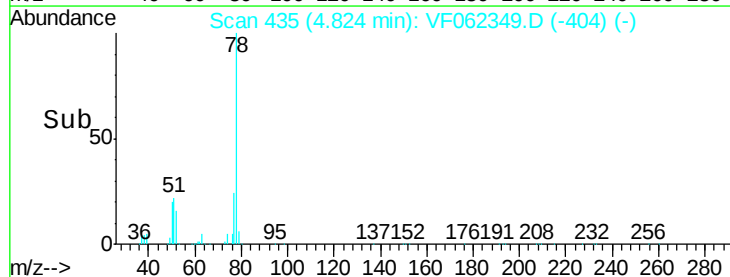
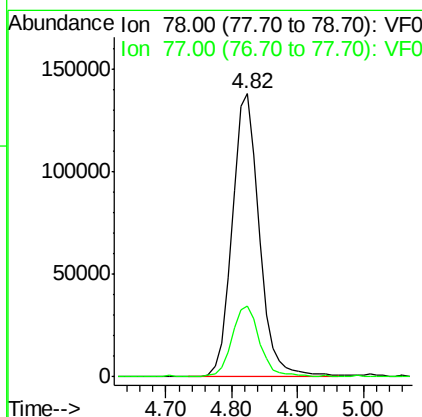
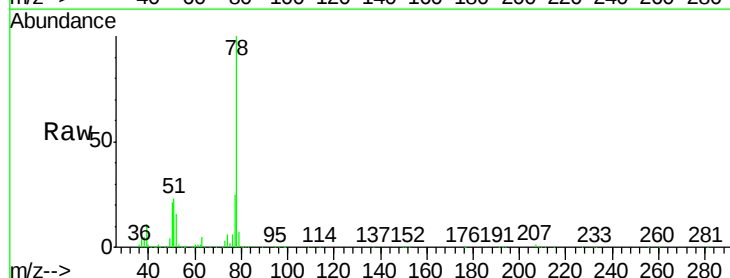
Manual Integrations
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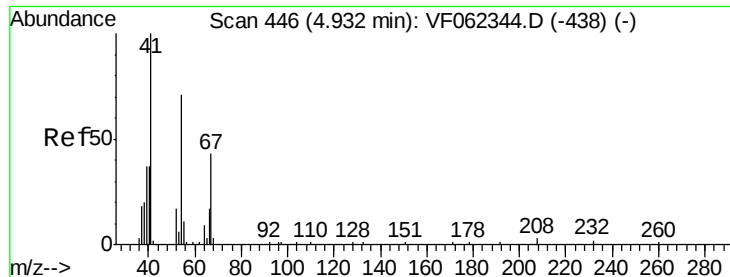
MMDadoda
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#40
Benzene
Concen: 46.138 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	21.6	32.4





#41

Methacrylonitrile

Concen: 43.297 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

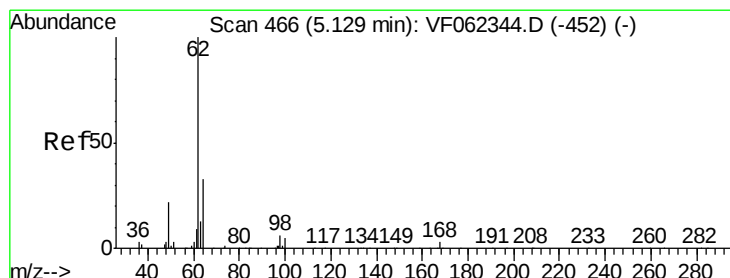
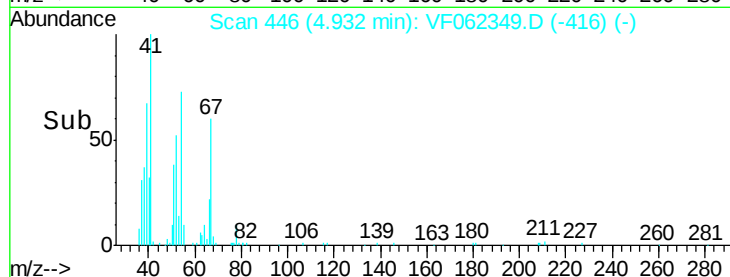
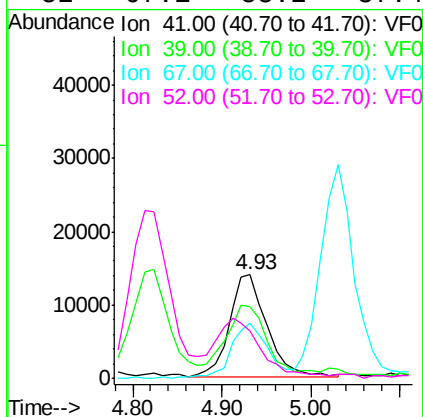
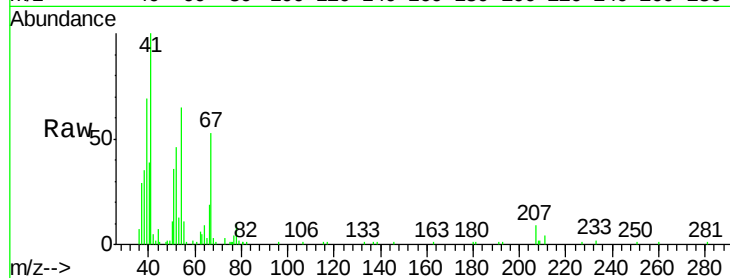
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	40615		
39	39	78.9		54.3	81.5
67	67	53.5		37.8	56.8
52	52	67.1		58.2	87.4

Manual Integrations
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5/8/2019 11:10:30 AM



#42

1,2-Dichloroethane

Concen: 46.457 ug/l

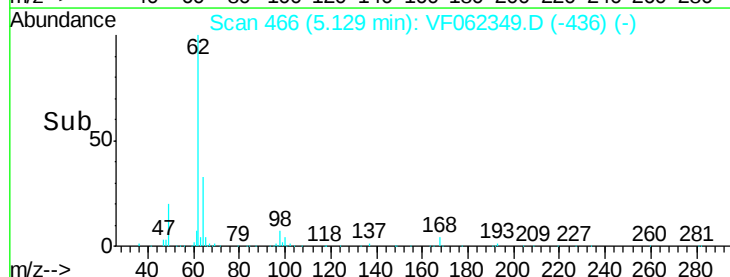
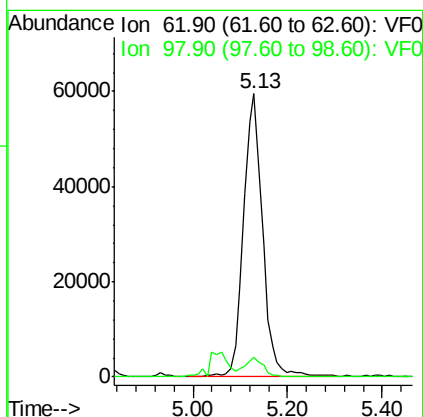
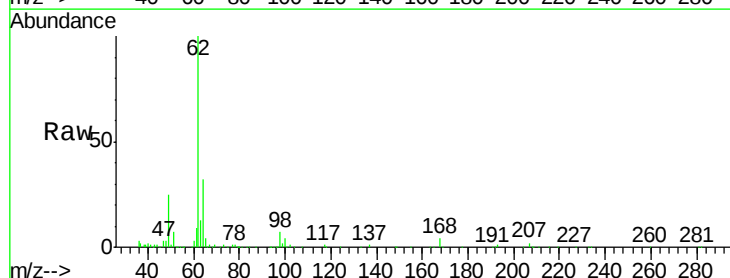
RT: 5.13 min Scan# 466

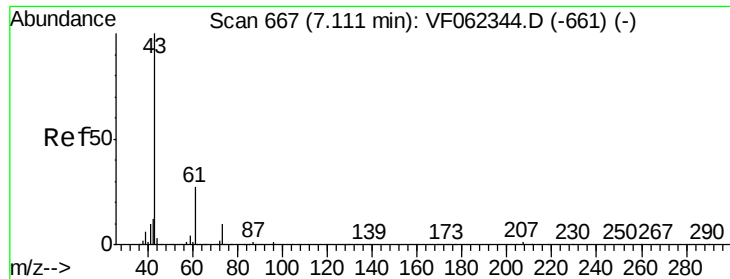
Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	167384		
98	98	6.6		0.0	12.4





#43

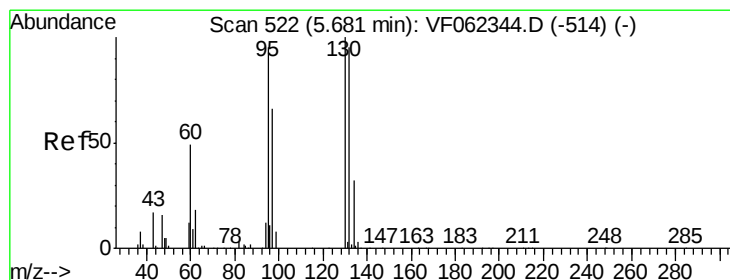
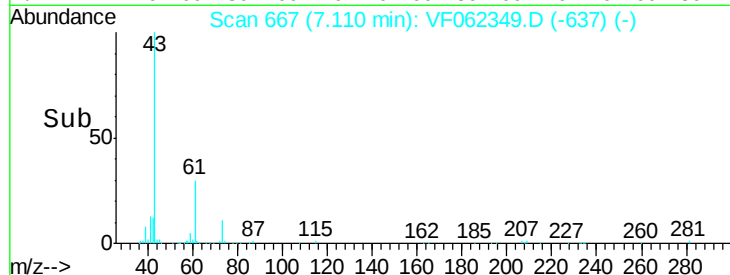
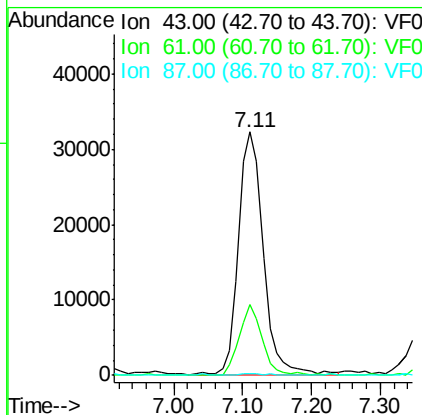
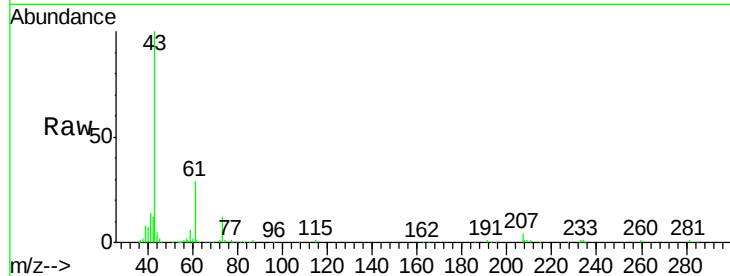
Isopropyl Acetate
 Concen: 45.920 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	22.8	34.2
87	0.7	0.6	1.0

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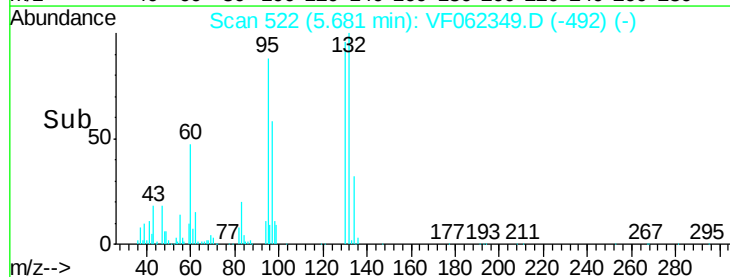
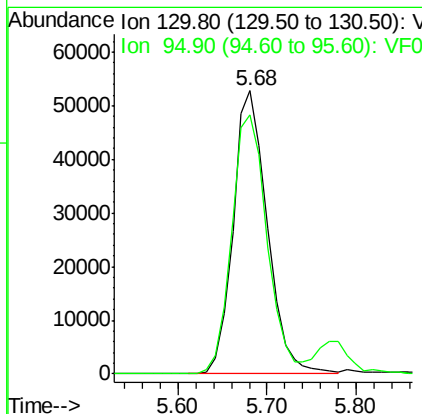
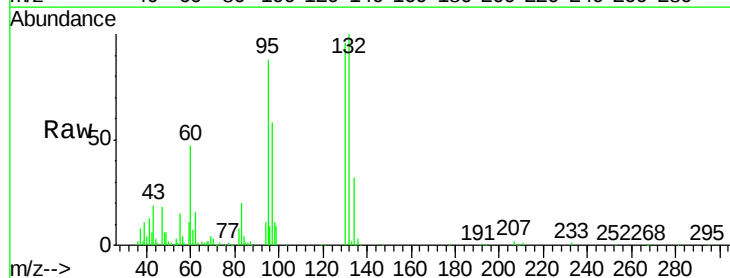
MMDadoda
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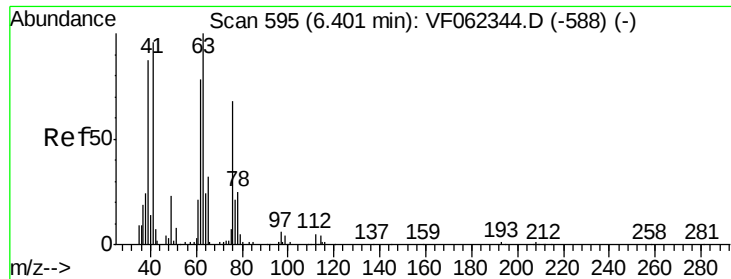


#44

Trichloroethene
 Concen: 44.492 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	189.0





#45

1,2-Dichloropropane

Concen: 48.553 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 94739

Ion Ratio Lower Upper

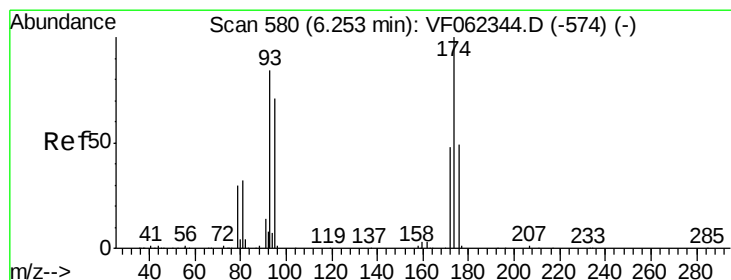
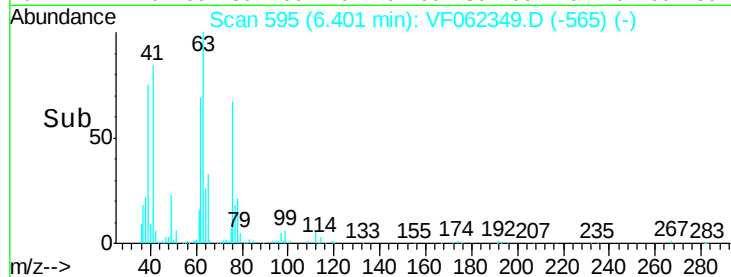
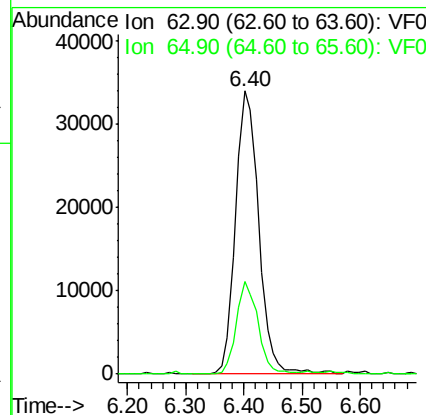
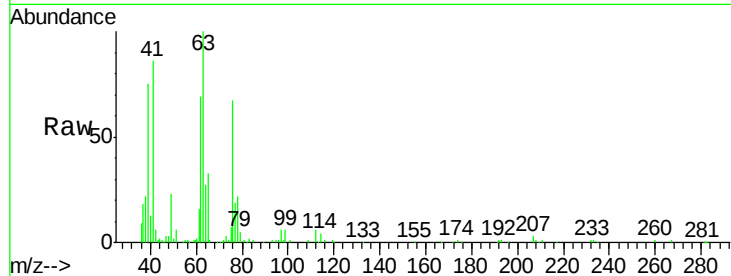
63 100

65 32.6 25.6 38.4

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#46

Dibromomethane

Concen: 46.325 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

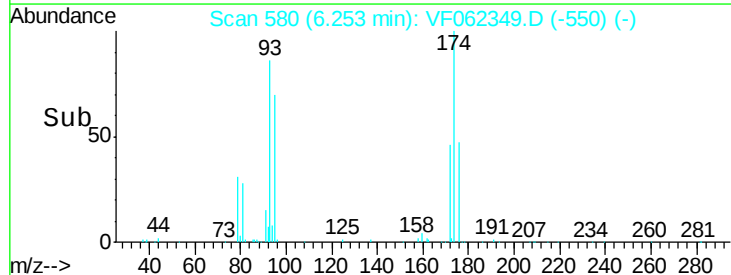
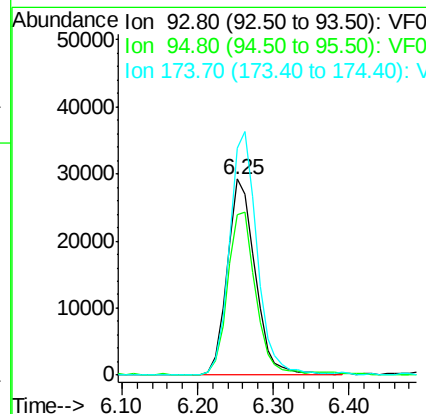
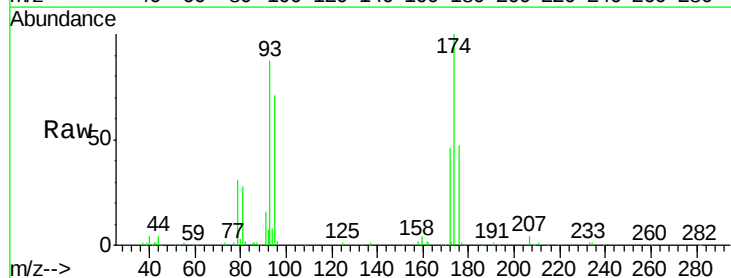
Tgt Ion: 93 Resp: 74946

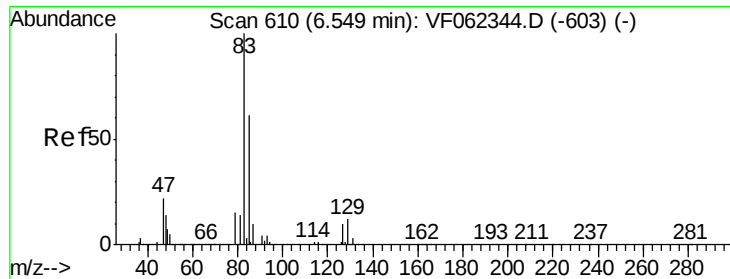
Ion Ratio Lower Upper

93 100

95 84.0 68.4 102.6

174 121.9 99.6 149.4





#47

Bromodichloromethane

Concen: 46.292 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

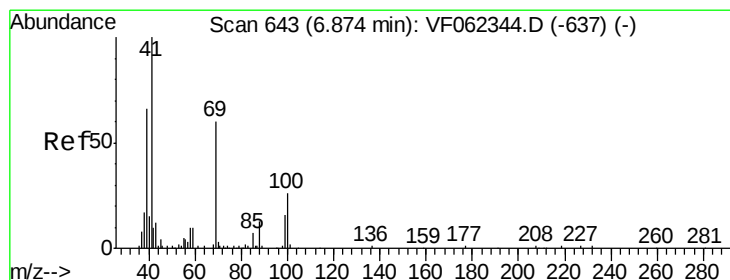
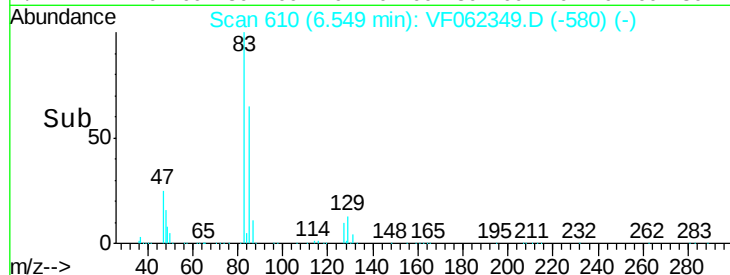
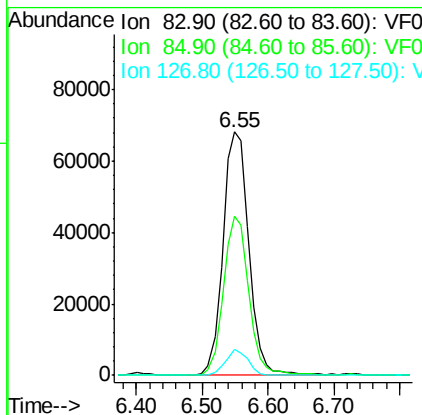
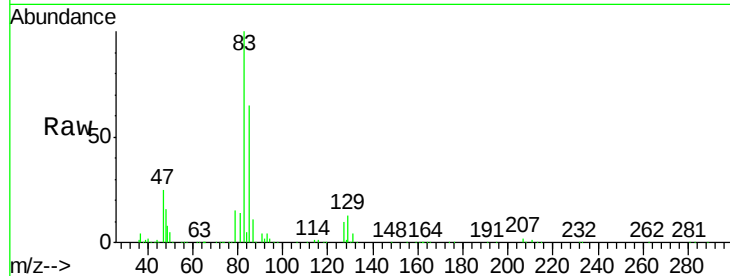
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187245
Ion Ratio	Lower	Upper	
83	100		
85	65.2	49.1	73.7
127	10.5	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.529 ug/l

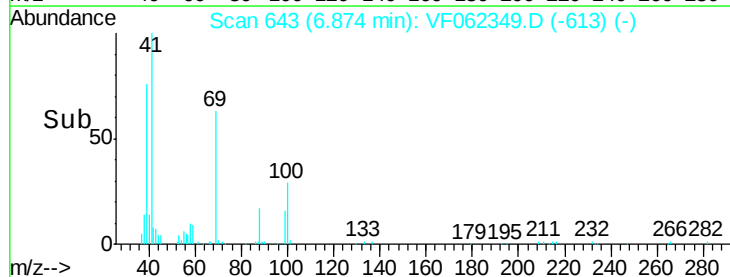
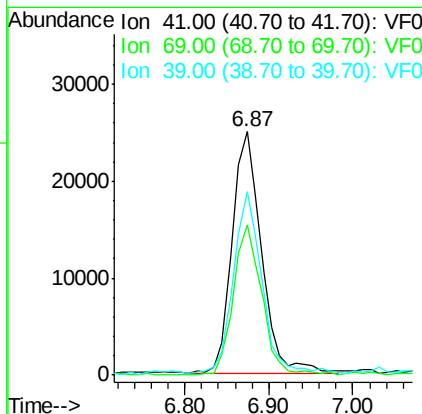
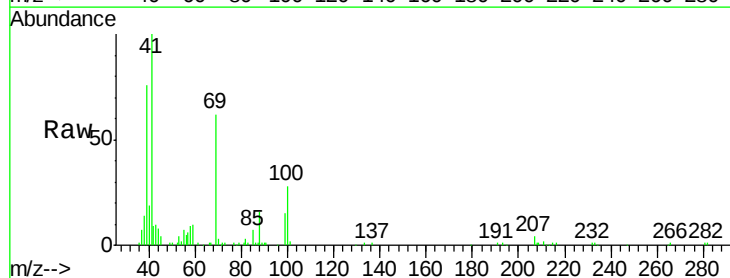
RT: 6.87 min Scan# 643

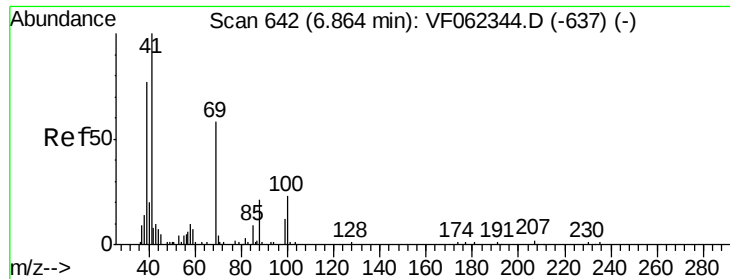
Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tgt Ion:	41	Resp:	61025
Ion Ratio	Lower	Upper	
41	100		
69	60.0	48.6	72.8
39	71.4	56.1	84.1





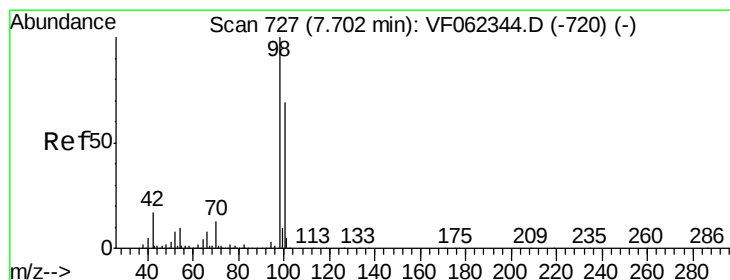
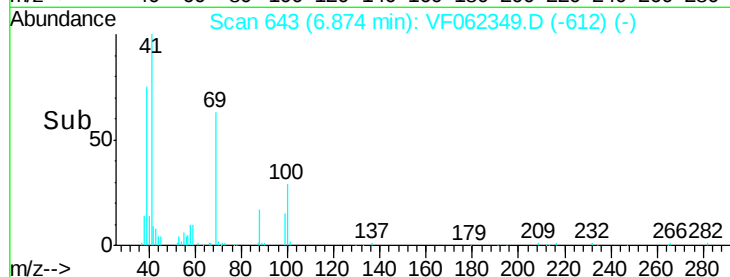
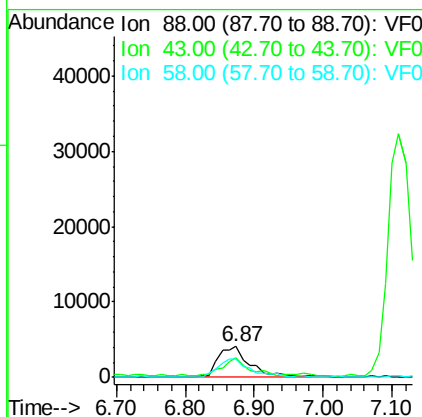
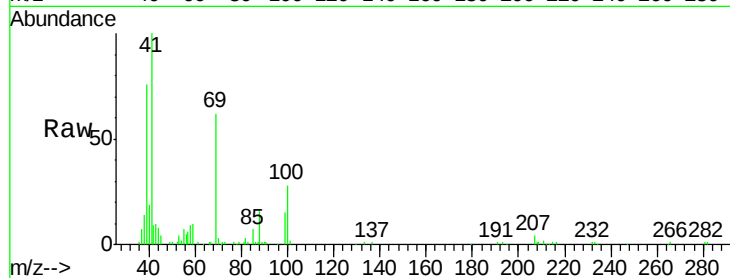
#49
1,4-Dioxane
Concen: 1032.895 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	13353
Ion	Ratio	Lower	Upper
88	100		
43	45.8	55.6	83.4#
58	59.1	52.8	79.2

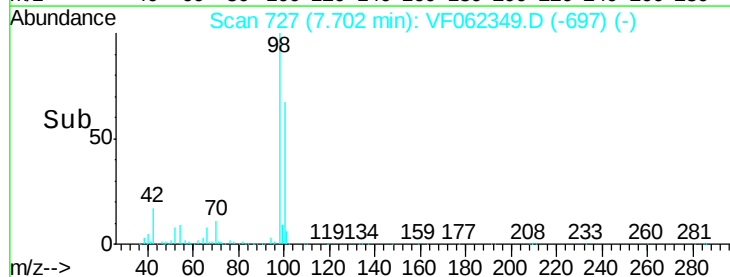
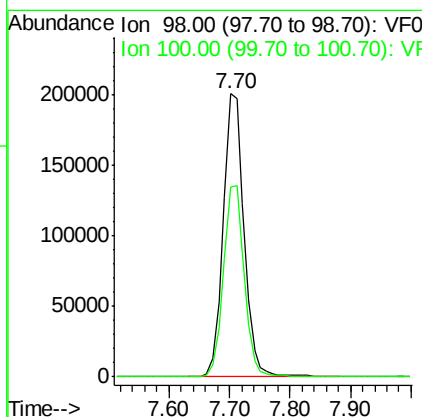
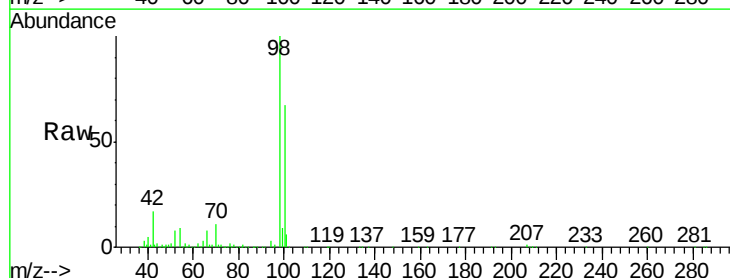
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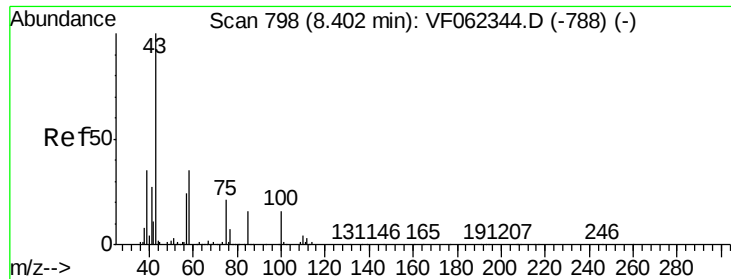
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#50
Toluene-d8
Concen: 54.733 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	98	Resp	480695
Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 233.130 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 314340

Ion Ratio Lower Upper

43 100

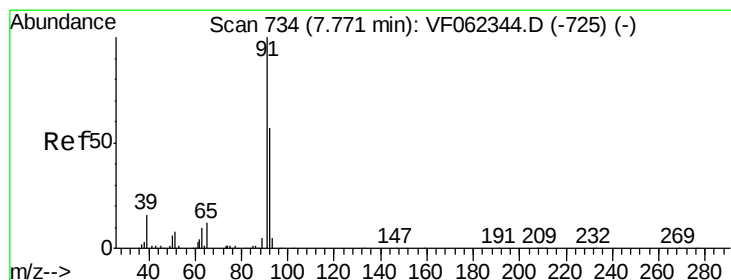
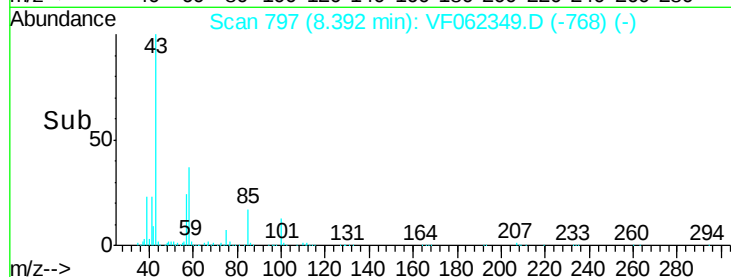
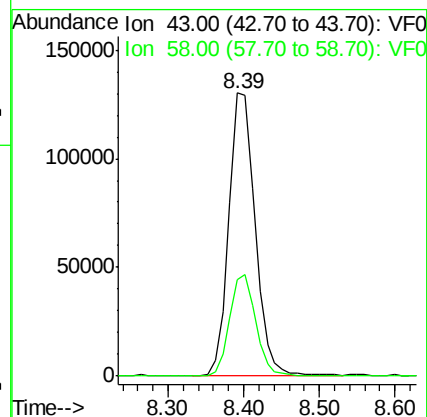
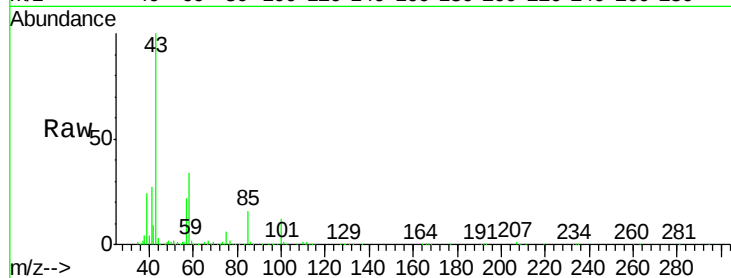
58 35.6 27.8 41.6

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#52

Toluene

Concen: 46.232 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF062349.D

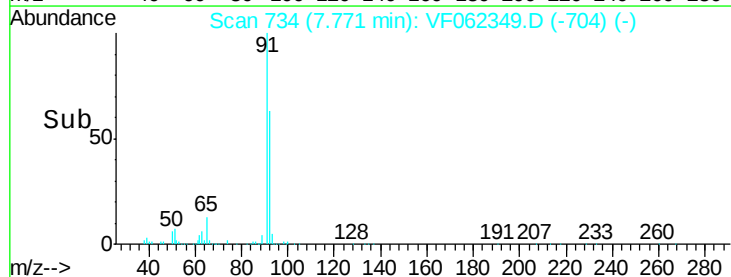
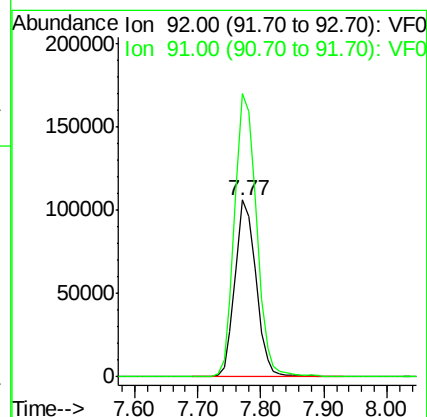
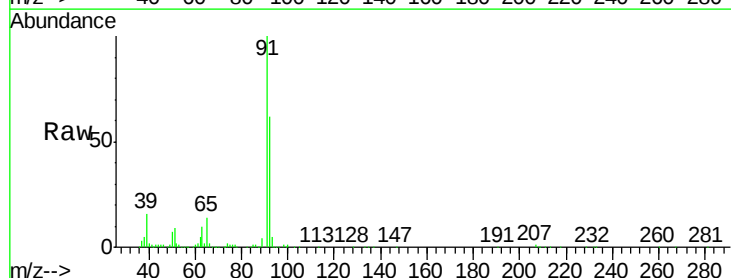
Acq: 7 May 2019 10:03

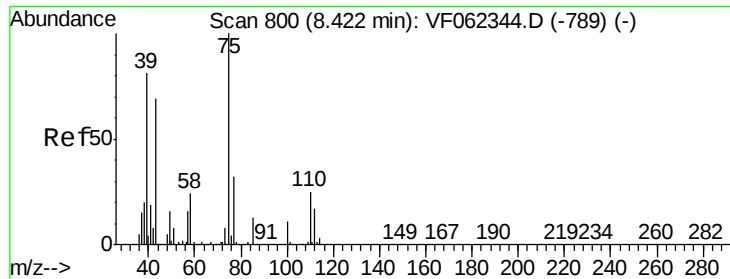
Tgt Ion: 92 Resp: 245698

Ion Ratio Lower Upper

92 100

91 167.3 138.7 208.1





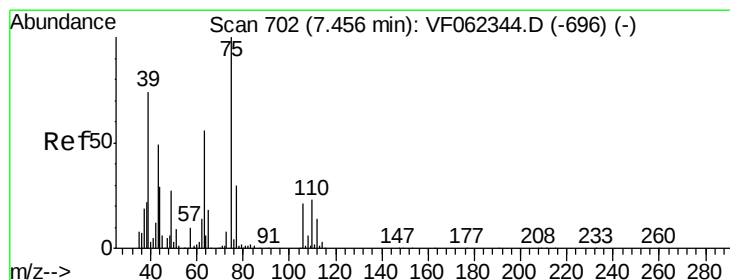
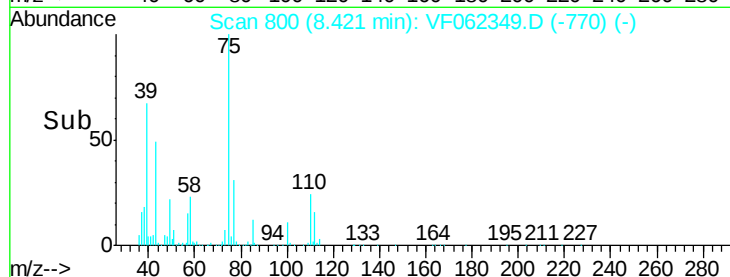
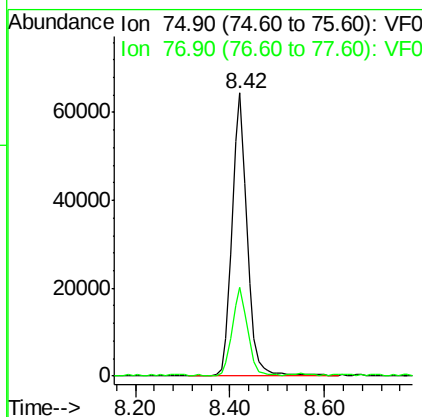
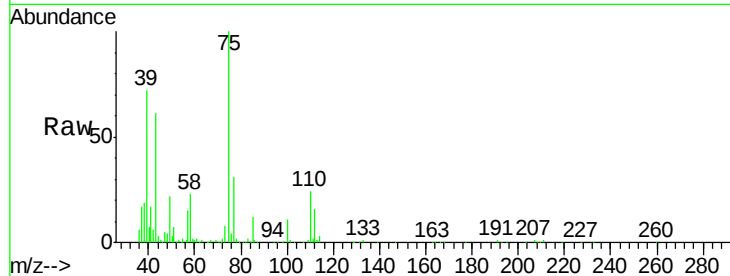
#53
t-1,3-Dichloropropene
Concen: 46.826 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0

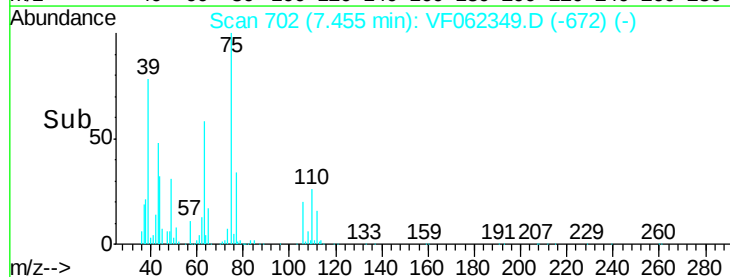
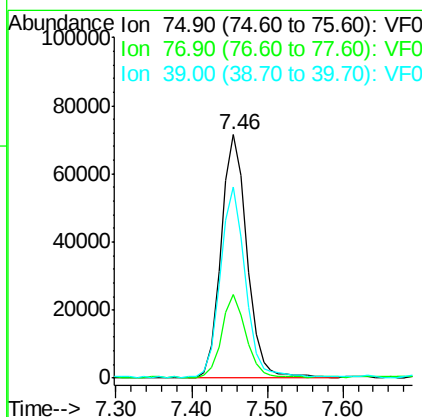
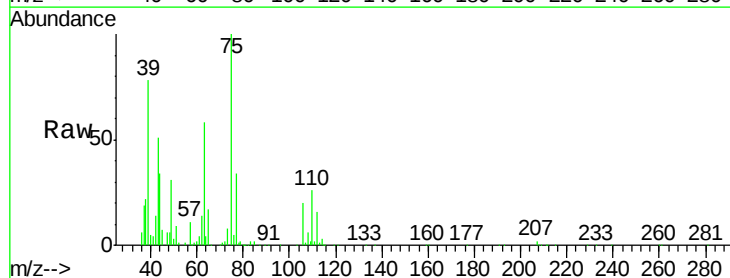
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#54
cis-1,3-Dichloropropene
Concen: 47.947 ug/l
RT: 7.46 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.1	24.0	36.0
39	77.9	58.7	88.1





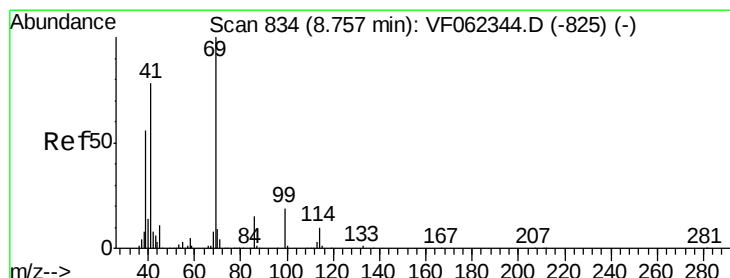
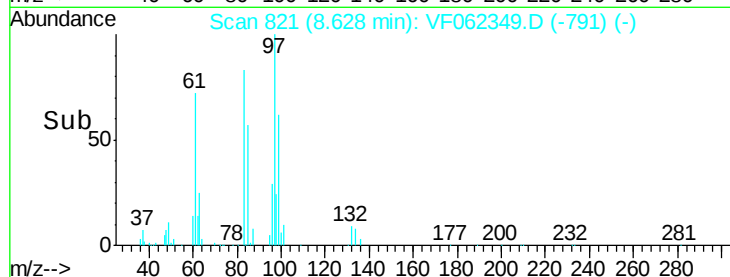
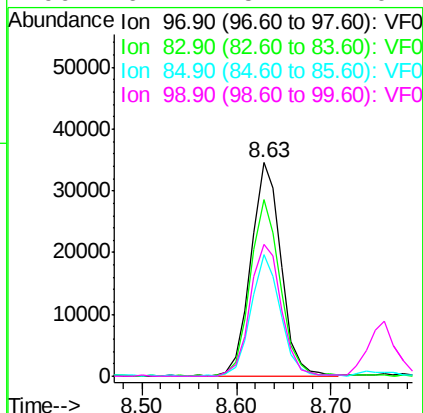
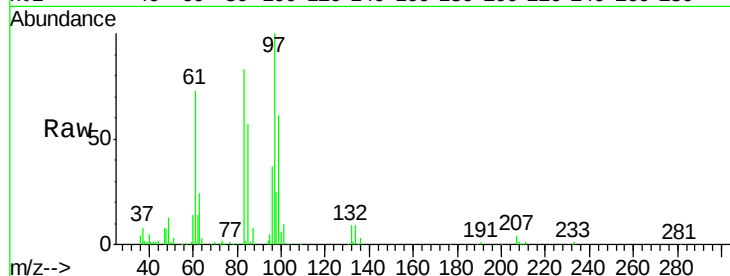
#55
 1,1,2-Trichloroethane
 Concen: 45.619 ug/l
 RT: 8.63 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	76963
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.5	102.7
85	56.5	45.4	68.2
99	61.2	52.7	79.1

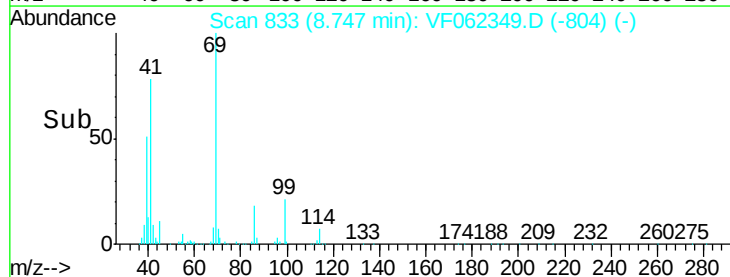
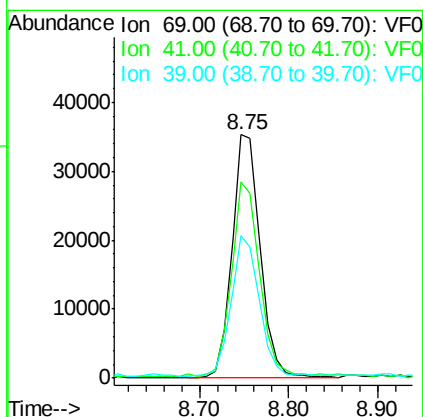
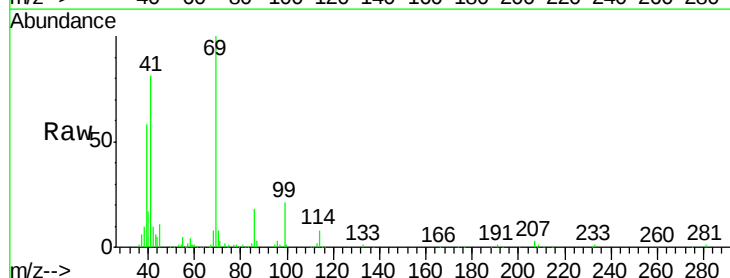
Manual Integrations
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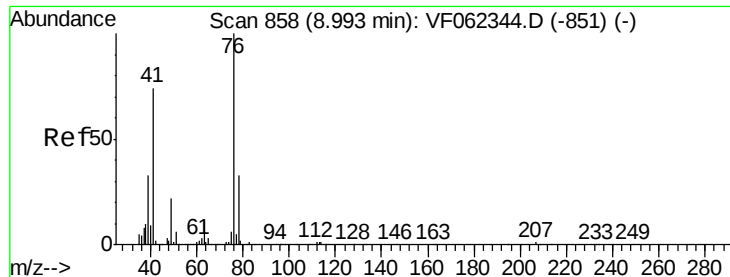
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#56
 Ethyl methacrylate
 Concen: 43.997 ug/l
 RT: 8.75 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Tgt Ion:	69	Resp:	78354
Ion	Ratio	Lower	Upper
69	100		
41	79.8	66.3	99.5
39	57.3	50.1	75.1





#57

1,3-Dichloropropane

Concen: 47.958 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 122214

Ion Ratio Lower Upper

76 100

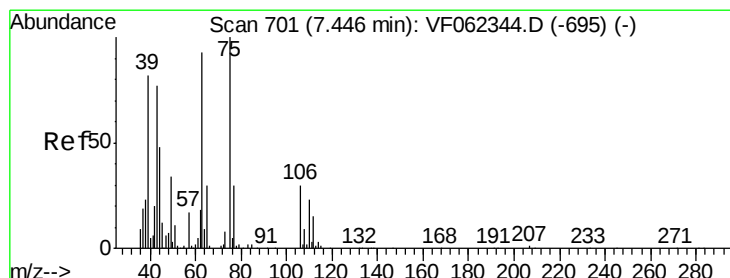
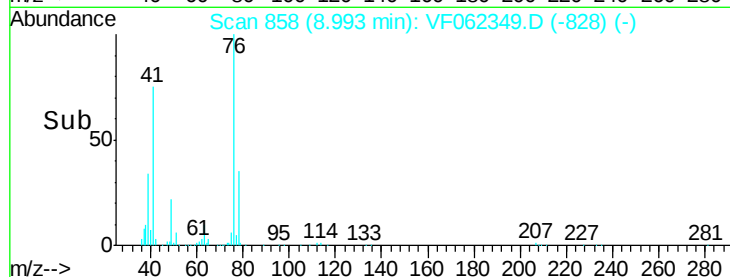
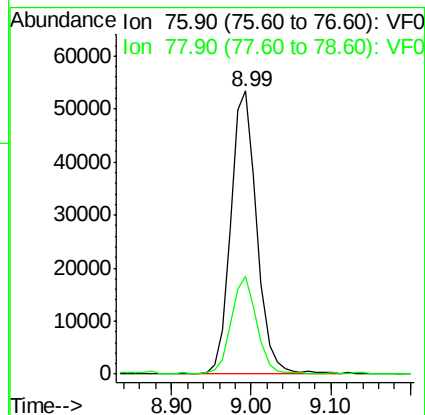
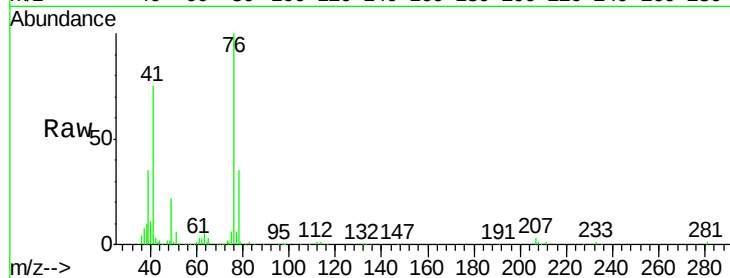
78 34.0 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 214.947 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF062349.D

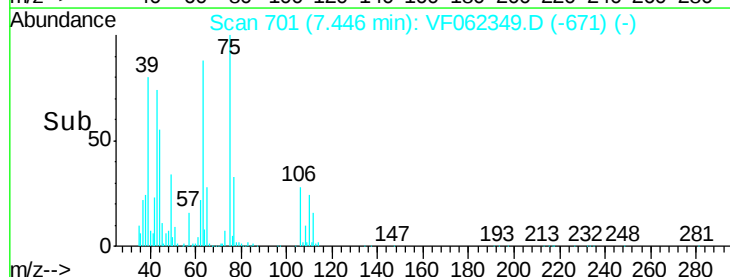
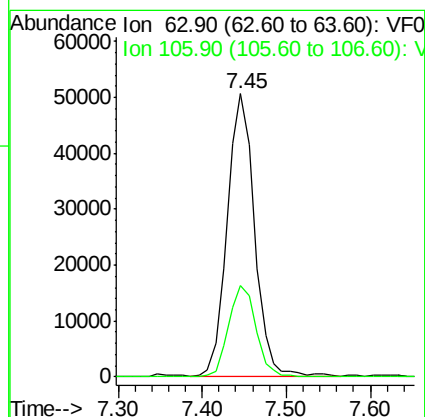
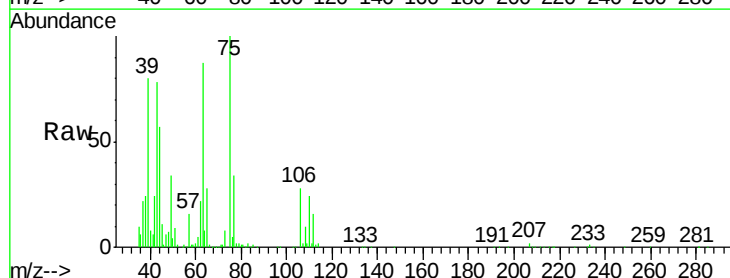
Acq: 7 May 2019 10:03

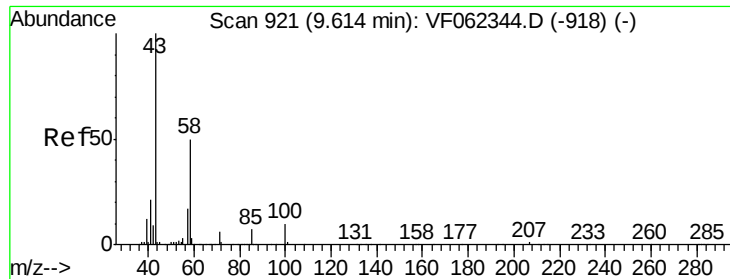
Tgt Ion: 63 Resp: 115086

Ion Ratio Lower Upper

63 100

106 32.4 25.8 38.8





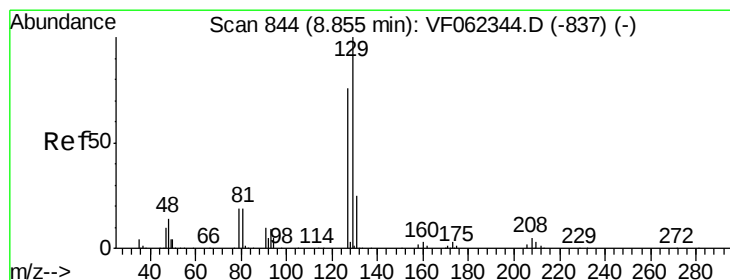
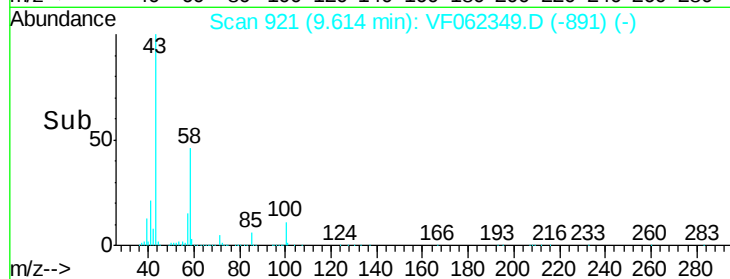
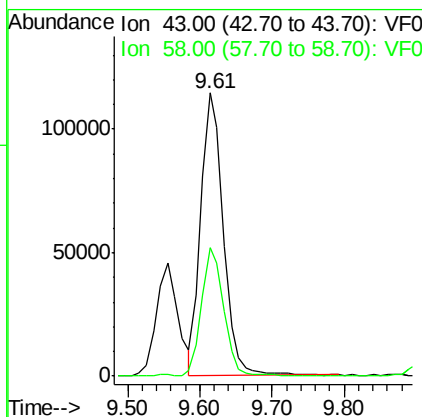
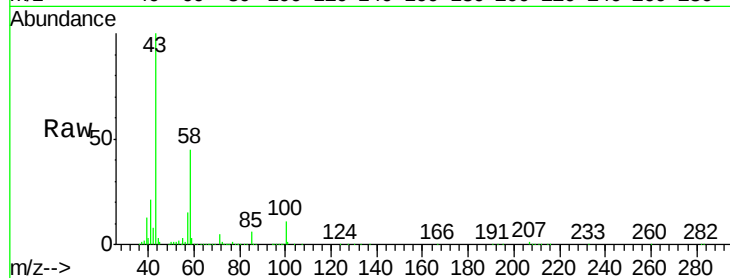
#59
2-Hexanone
Concen: 264.767 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.6	24.3	73.0

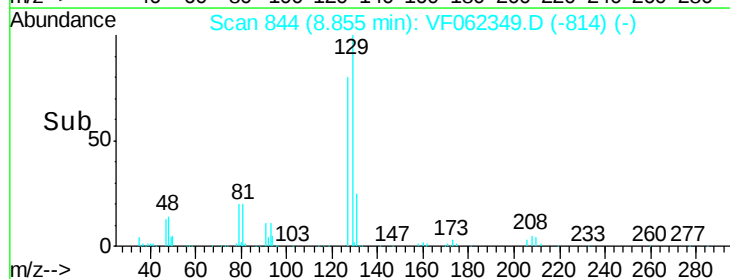
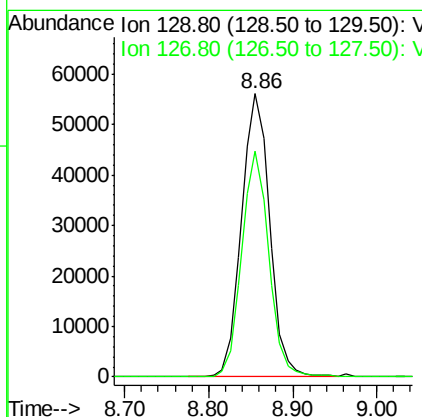
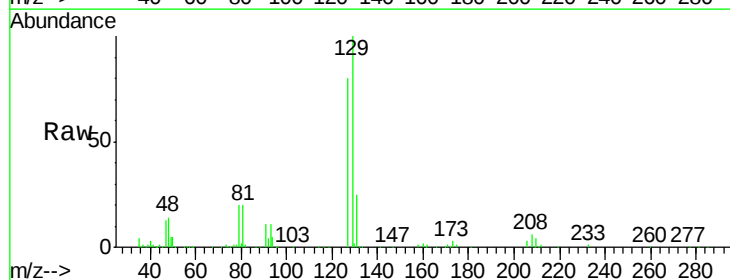
Manual Integrations
APPROVED

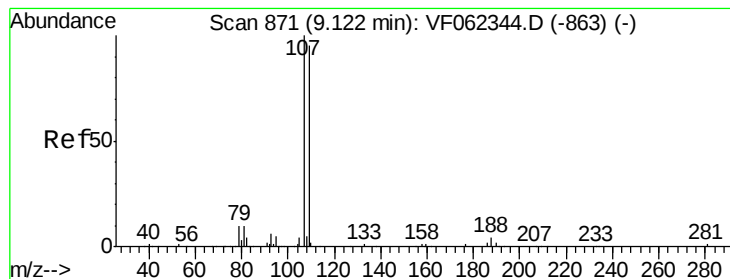
MMDadoda
5/8/2019 11:10:30 AM



#60
Dibromochloromethane
Concen: 47.721 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.3





#61

1,2-Dibromoethane

Concen: 44.823 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 88878

Ion Ratio Lower Upper

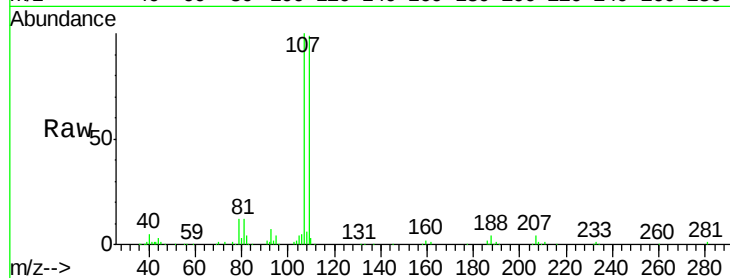
107 100

109 95.8 75.2 112.8

Manual Integrations
APPROVED

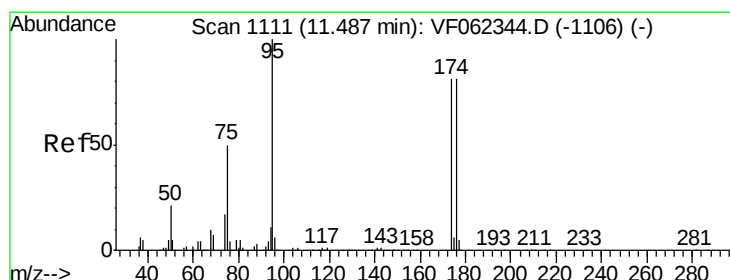
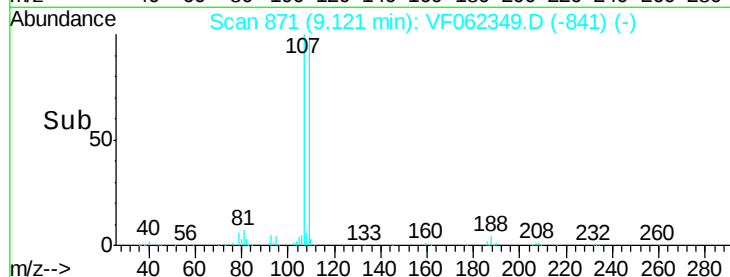
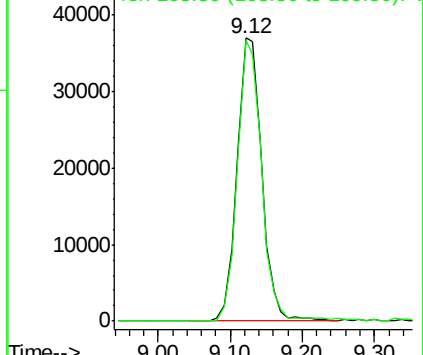
MMDadoda

5/8/2019 11:10:30 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.867 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

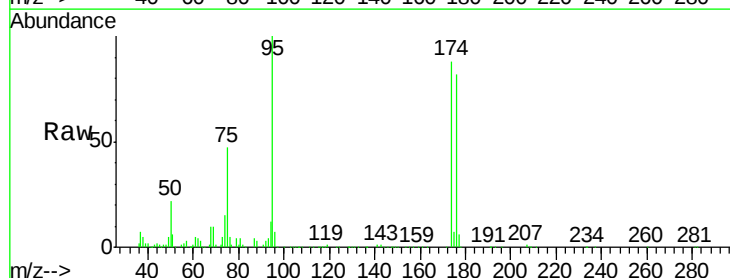
Tgt Ion: 95 Resp: 197588

Ion Ratio Lower Upper

95 100

174 96.6 0.0 191.8

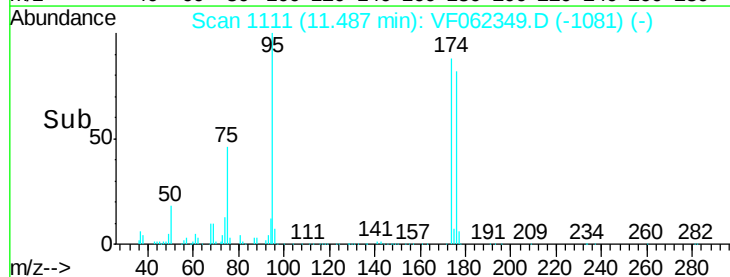
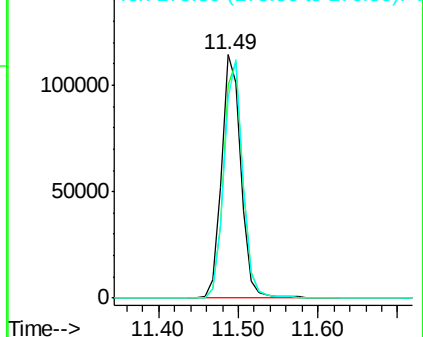
176 94.4 0.0 193.2

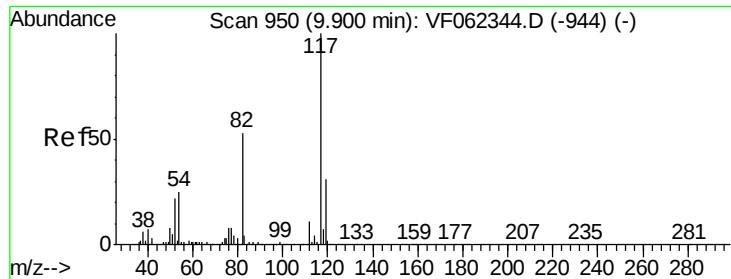


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





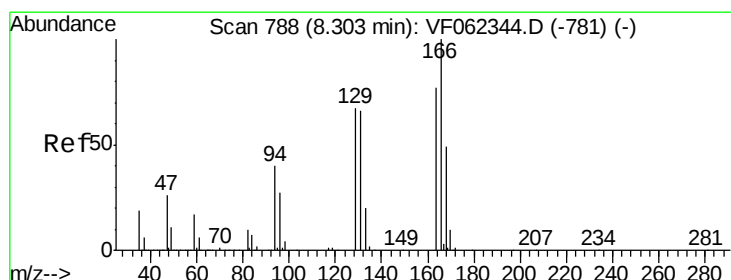
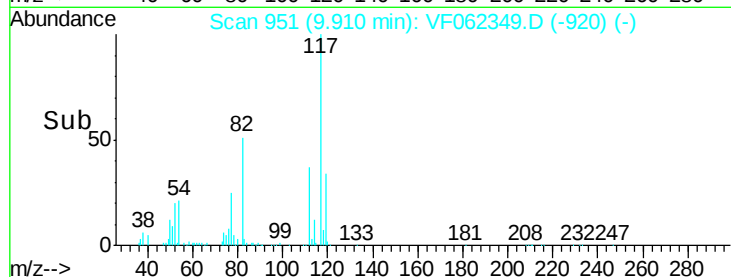
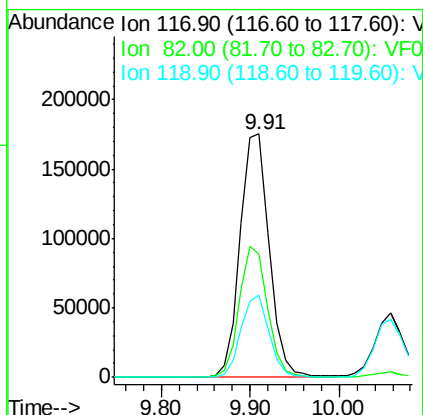
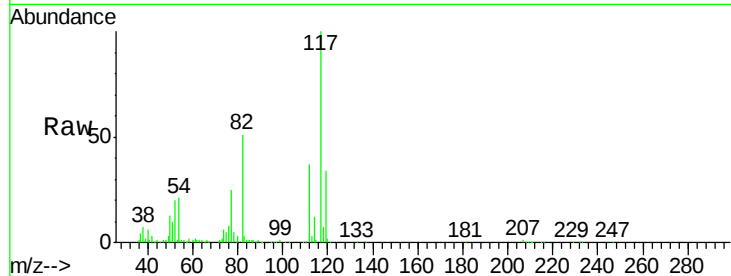
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	399311		
82	50.8		42.2	63.2
119	33.6		25.0	37.4

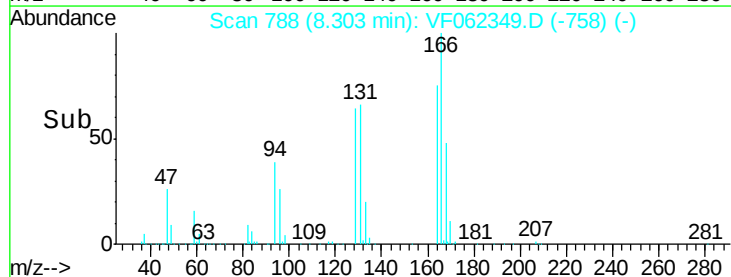
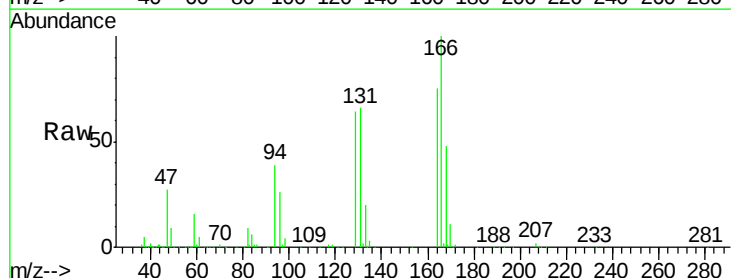
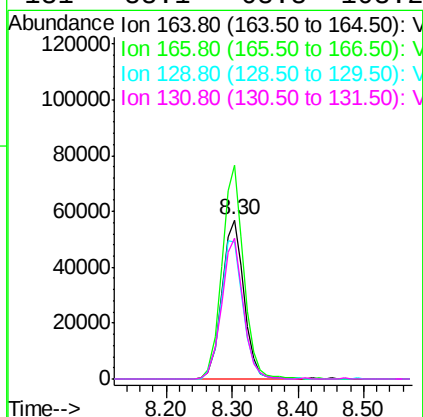
Manual Integrations
APPROVED

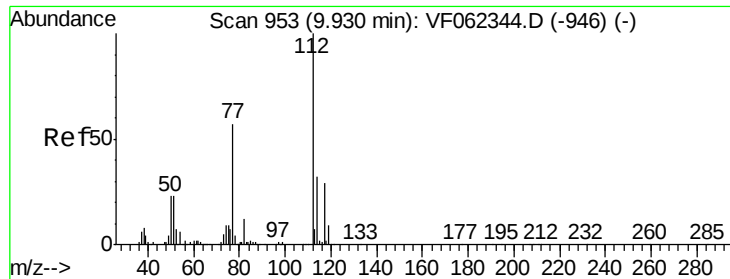
MMDadoda
5/8/2019 11:10:30 AM



#64
Tetrachloroethene
Concen: 41.124 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133312		
166	134.1		104.2	156.4
129	85.8		69.6	104.4
131	88.1		68.8	103.2





#65

Chlorobenzene

Concen: 45.515 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 300712

Ion Ratio Lower Upper

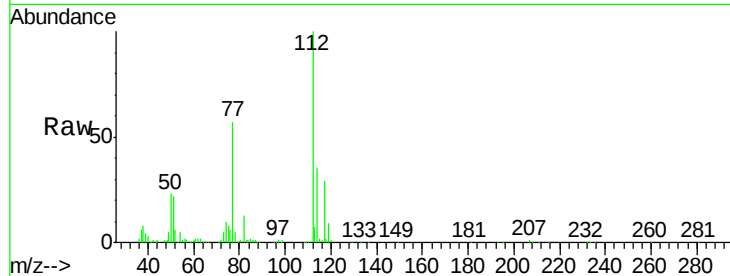
112 100

114 35.2 25.4 38.0

Manual Integrations
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5/8/2019 11:10:30 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.93

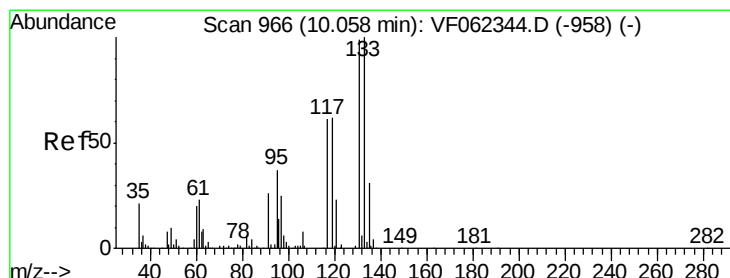
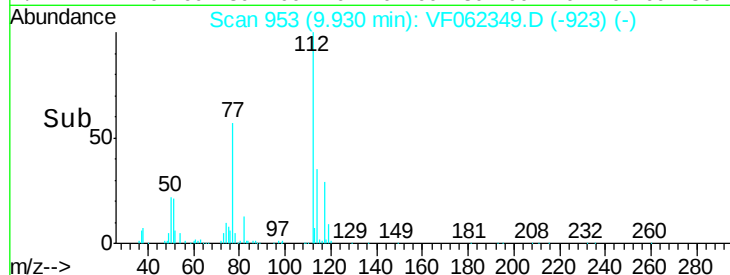
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 45.404 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

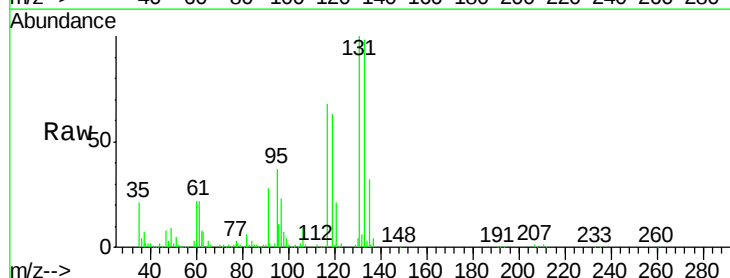
Tgt Ion:131 Resp: 151329

Ion Ratio Lower Upper

131 100

133 97.0 50.2 150.7

119 63.5 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.06

80000

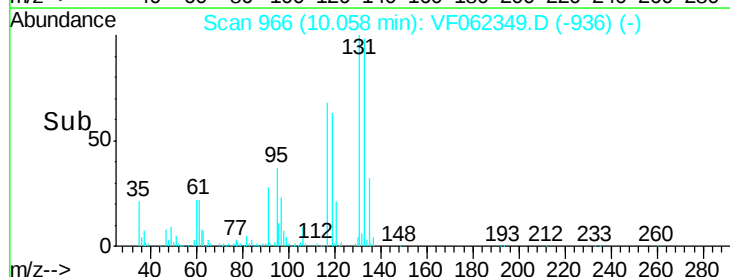
60000

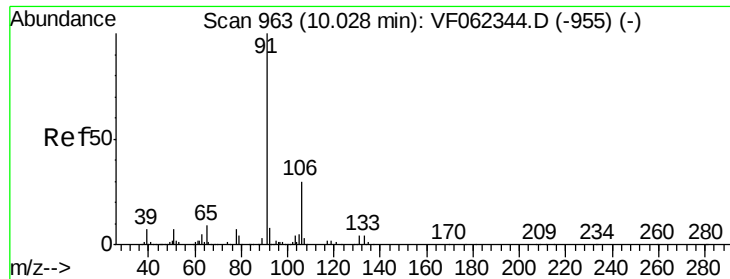
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 45.511 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 526523

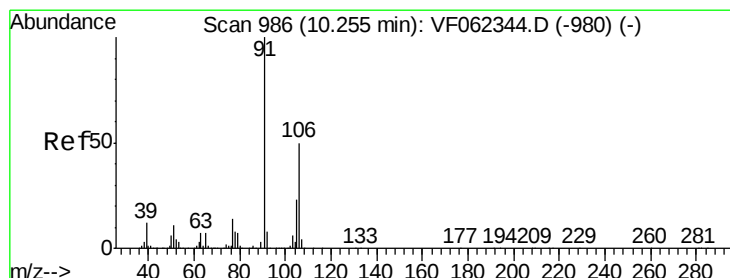
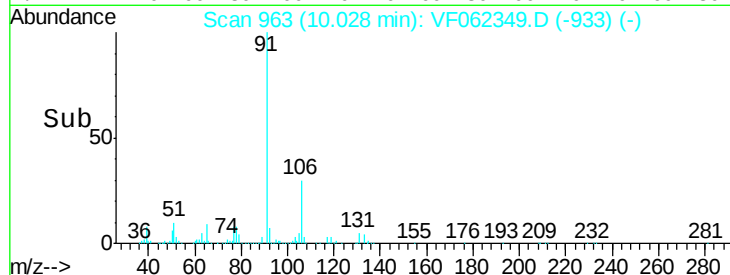
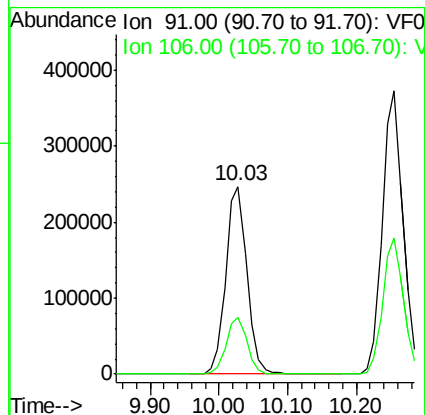
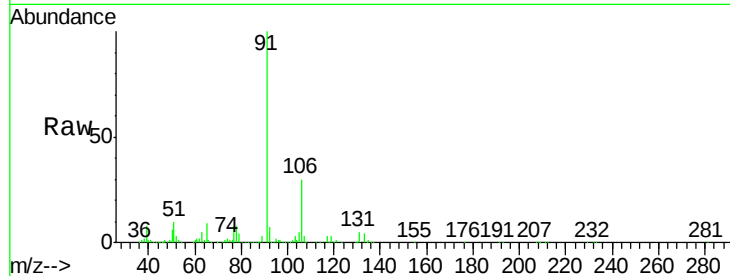
Ion Ratio Lower Upper

91 100

106 30.3 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
5/8/2019 11:10:30 AM



#68

m/p-Xylenes

Concen: 89.280 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.00 min

Lab File: VF062349.D

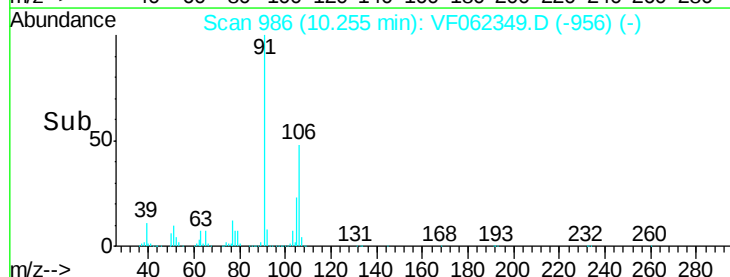
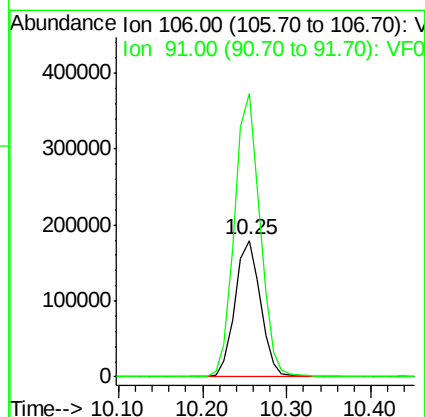
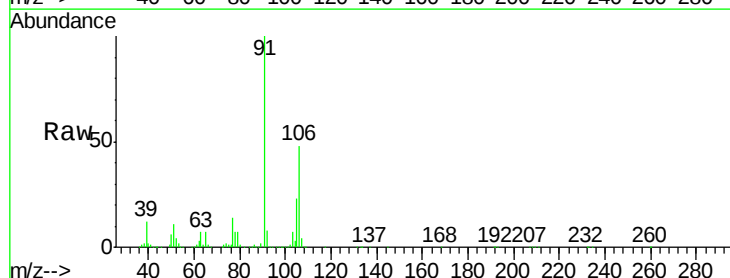
Acq: 7 May 2019 10:03

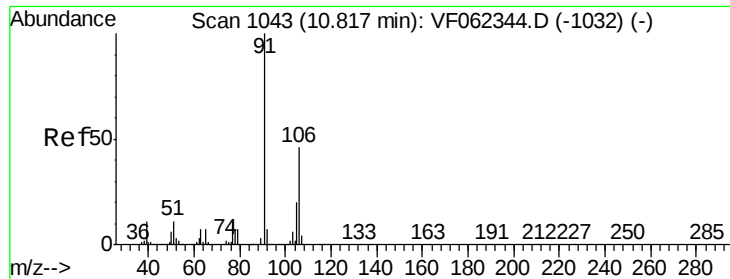
Tgt Ion: 106 Resp: 381102

Ion Ratio Lower Upper

106 100

91 207.7 167.4 251.2





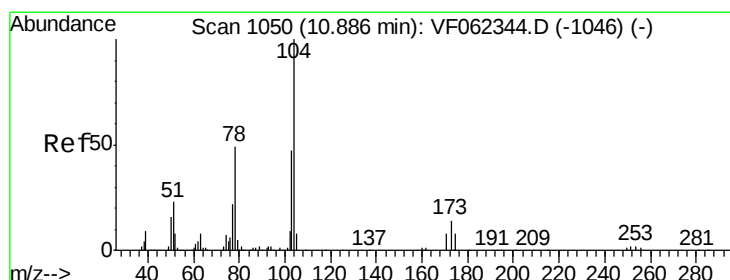
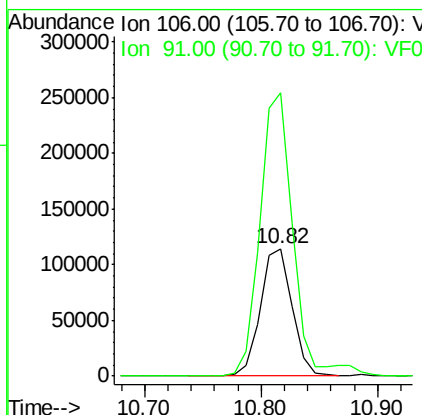
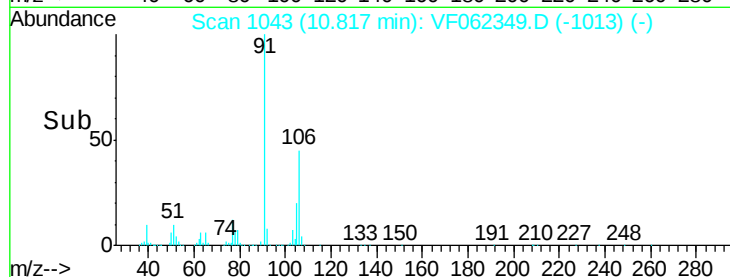
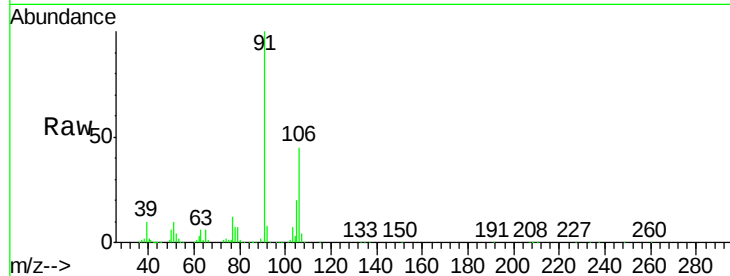
#69
o-Xylene
Concen: 46.729 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	215539		
91	91	224.5	111.3	333.8	

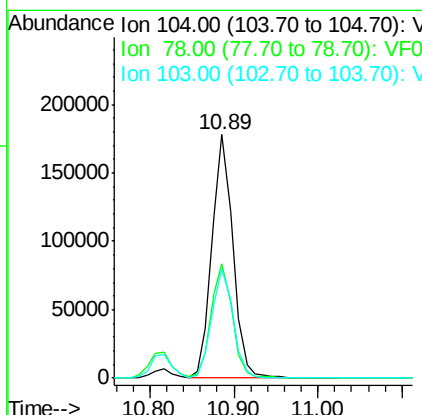
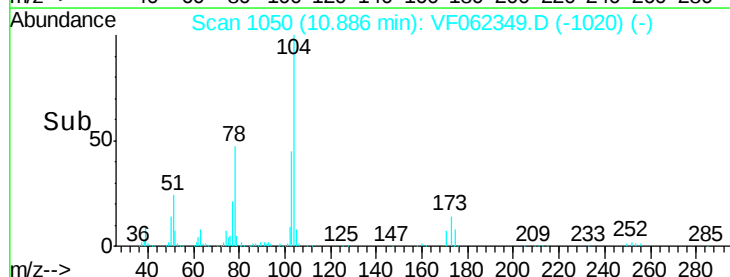
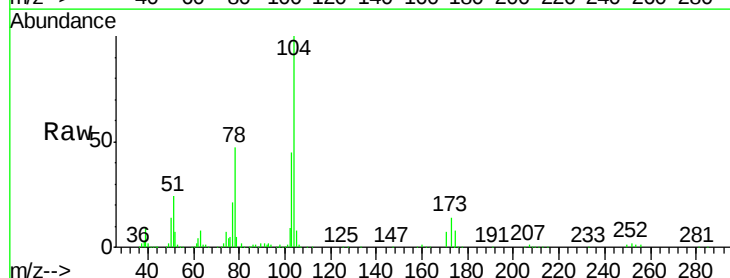
Manual Integrations
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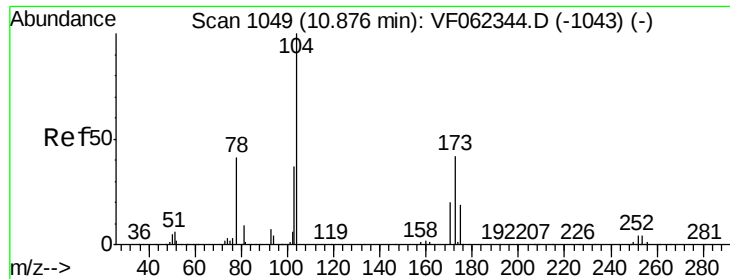
MMDadoda
5/8/2019 11:10:30 AM



#70
Styrene
Concen: 44.488 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	307541		
78	78	47.6	39.5	59.3	
103	103	46.1	38.4	57.6	





#71

Bromoform

Concen: 45.306 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82727

Ion Ratio Lower Upper

173 100

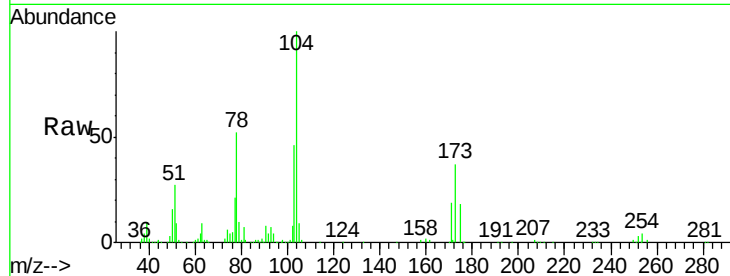
175 50.5 23.8 71.2

254 0.1 0.1 0.1#

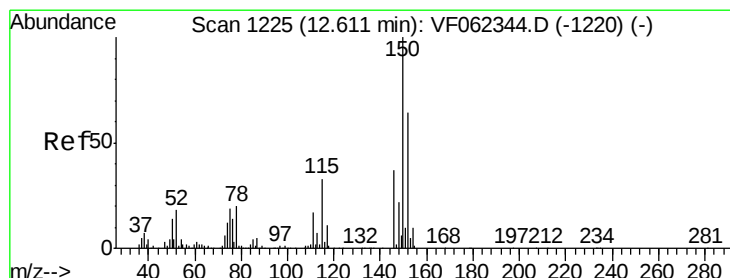
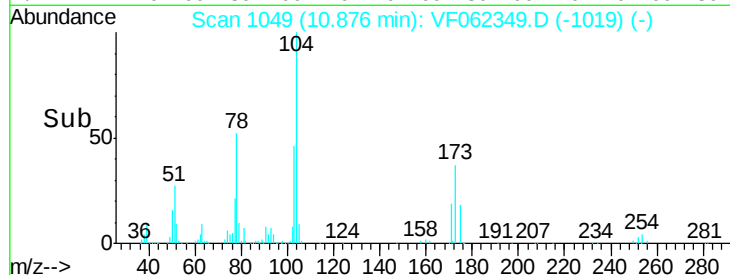
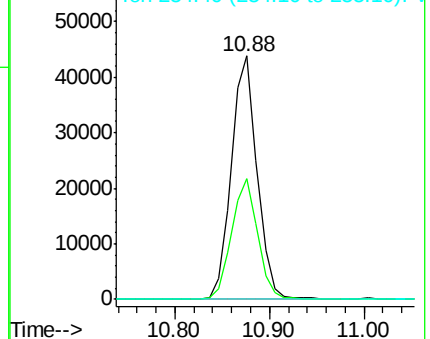
Manual Integrations
APPROVED

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5/8/2019 11:10:30 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

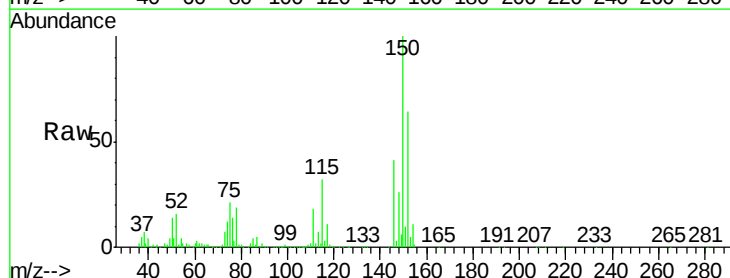
Tgt Ion:152 Resp: 229170

Ion Ratio Lower Upper

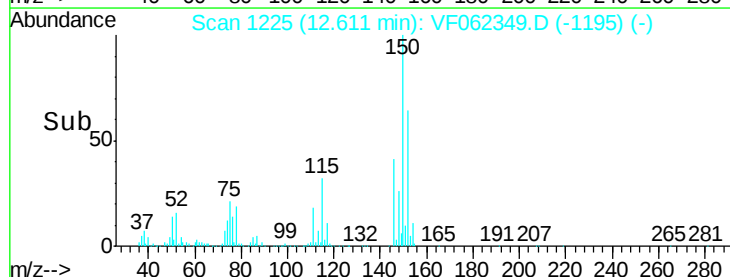
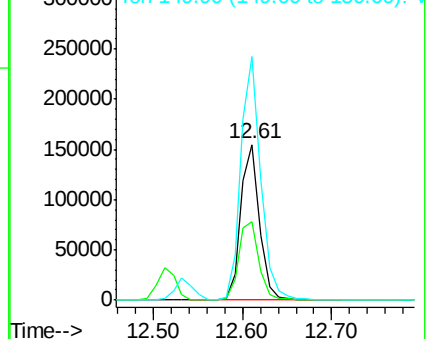
152 100

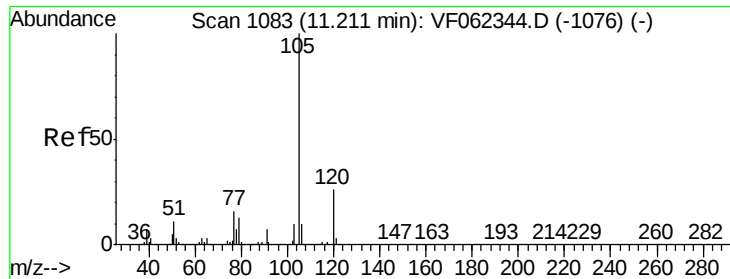
115 53.6 26.4 79.2

150 164.9 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





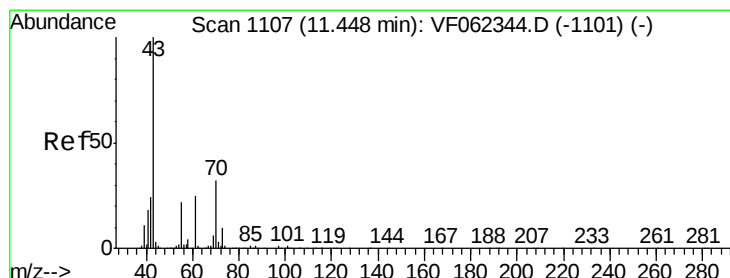
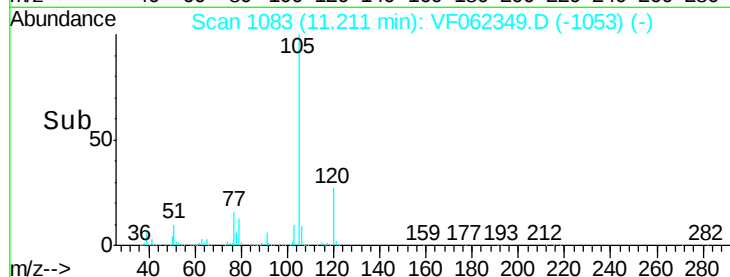
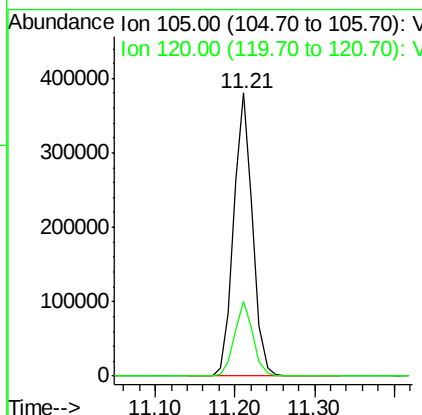
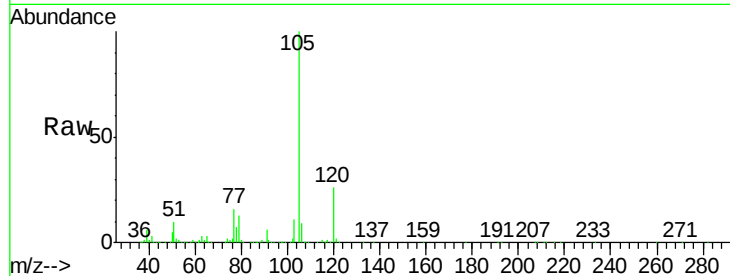
#73
Isopropylbenzene
Concen: 46.488 ug/l
RT: 11.21 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.7	38.0

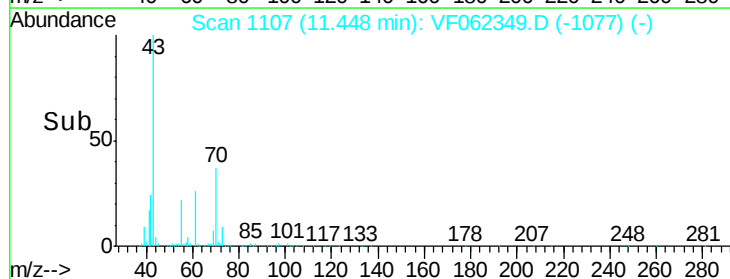
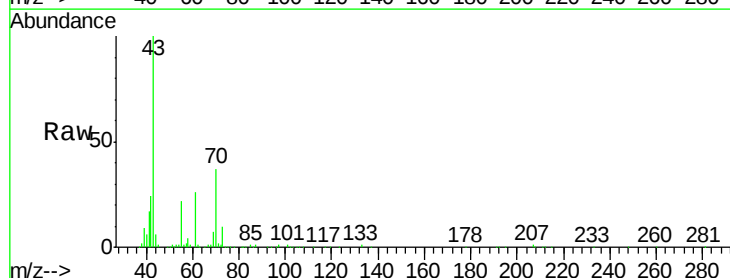
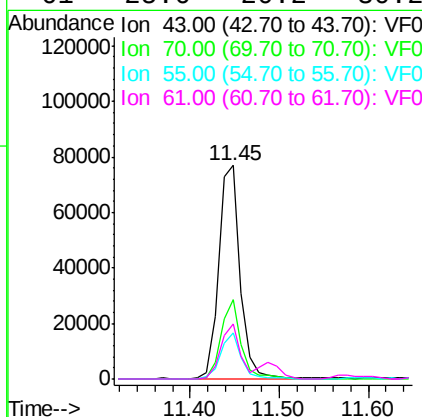
Manual Integrations
APPROVED

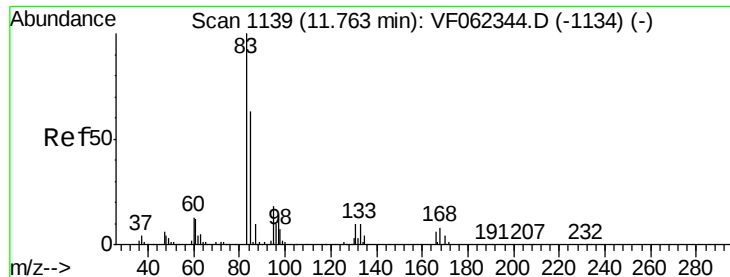
MMDadoda
5/8/2019 11:10:30 AM



#74
N-ethyl acetate
Concen: 44.283 ug/l
RT: 11.45 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.2	26.5	39.7
55	21.5	17.8	26.6
61	25.6	20.2	30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.801 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

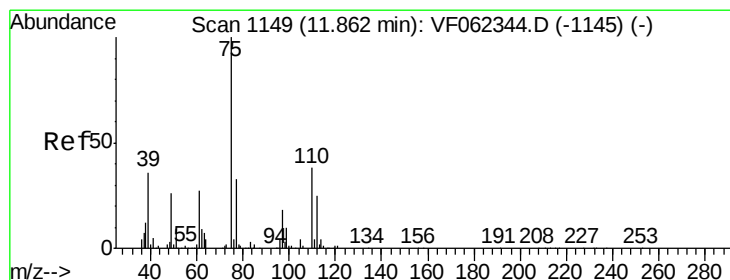
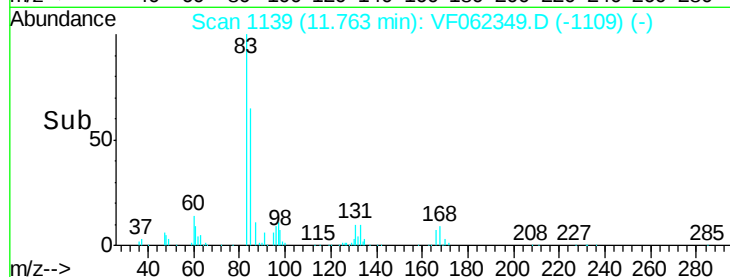
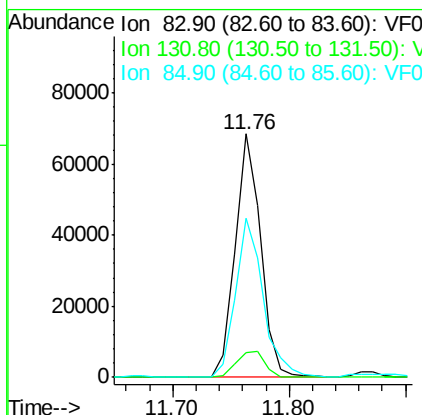
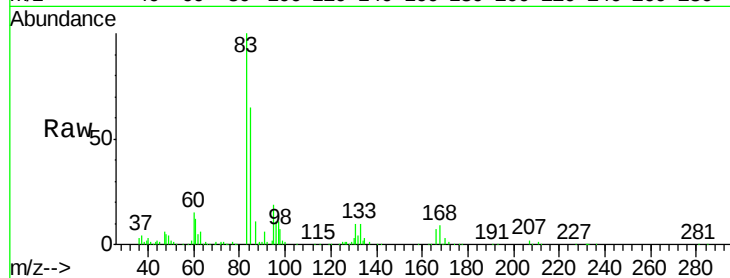
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	103812
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.8	17.4
85	71.1	35.3	105.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.913 ug/l

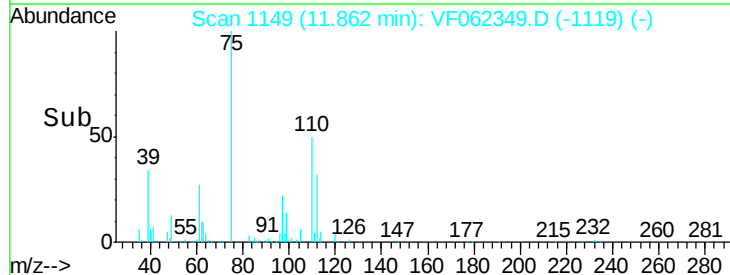
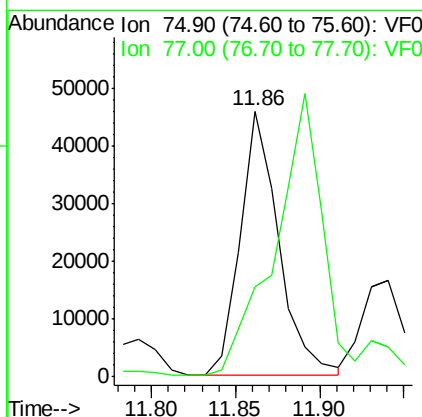
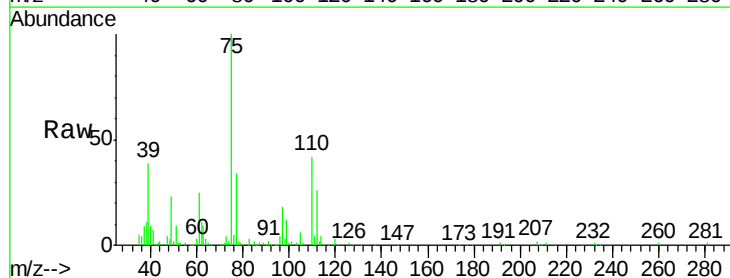
RT: 11.86 min Scan# 1149

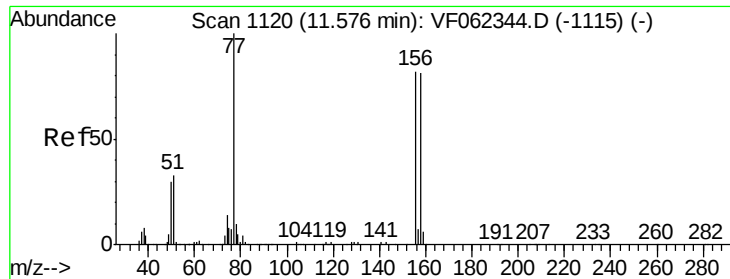
Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Tgt Ion:	75	Resp:	72891
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





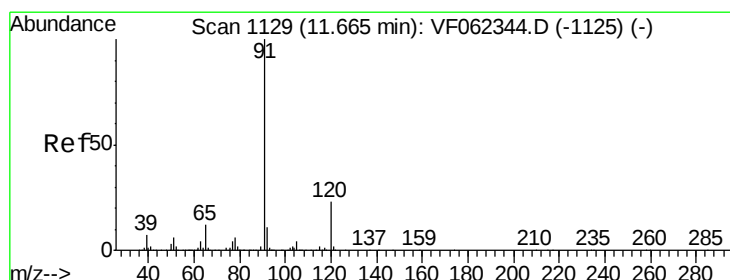
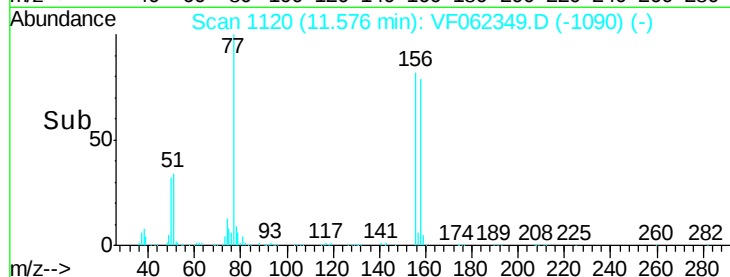
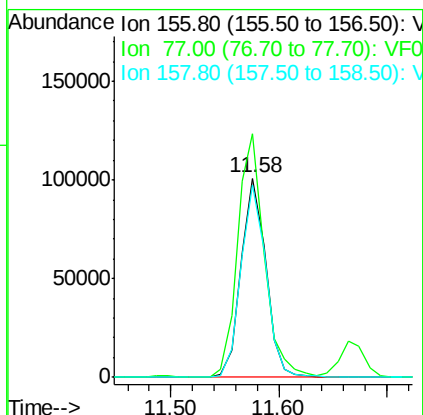
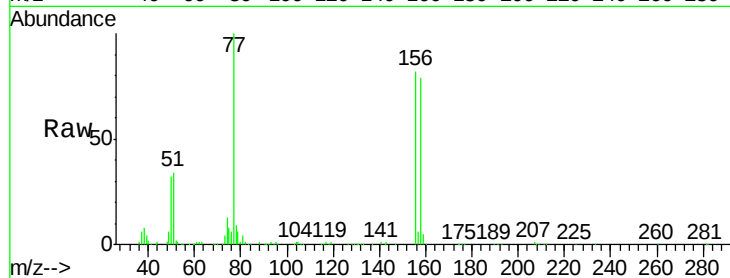
#77
Bromobenzene
Concen: 45.144 ug/l
RT: 11.58 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	160967		
77	130.7	64.8	194.3	
158	98.4	49.1	147.3	

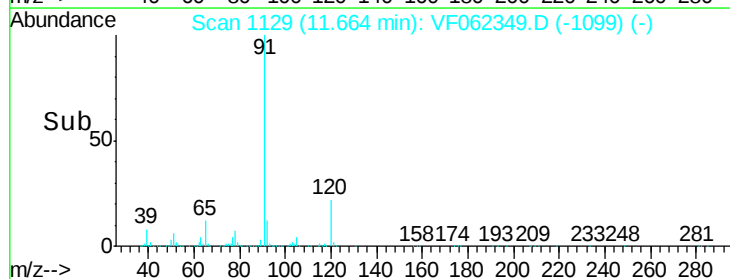
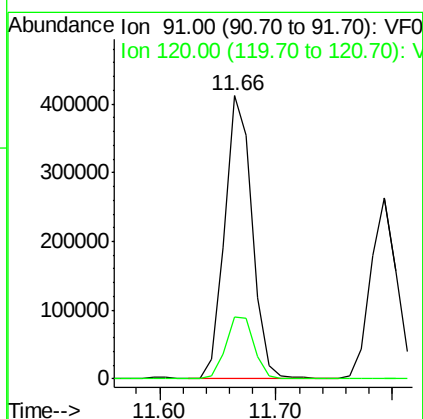
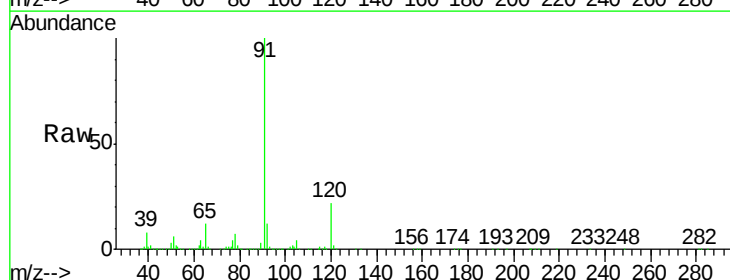
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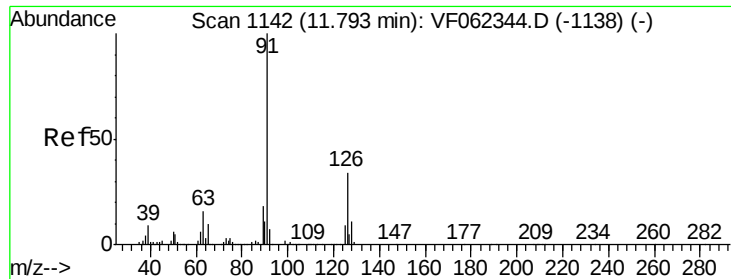
MMDadoda
5/8/2019 11:10:30 AM



#78
n-propylbenzene
Concen: 46.324 ug/l
RT: 11.66 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	670056		
120	23.0	11.9	35.5	





#79

2-Chlorotoluene

Concen: 45.502 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 409255

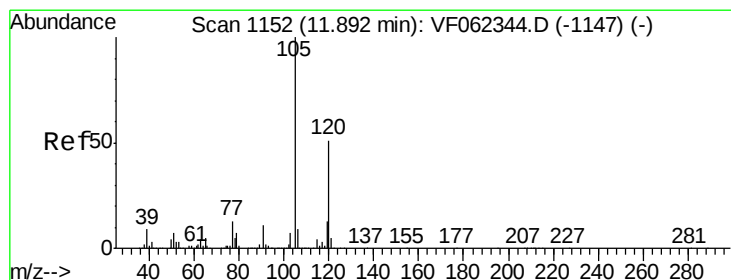
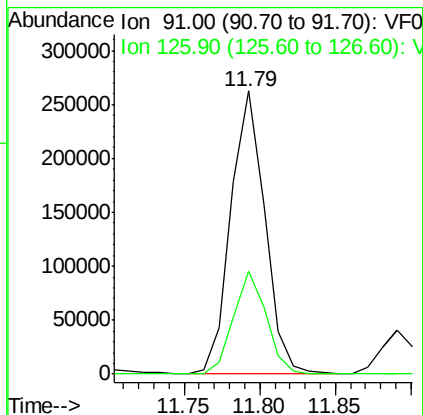
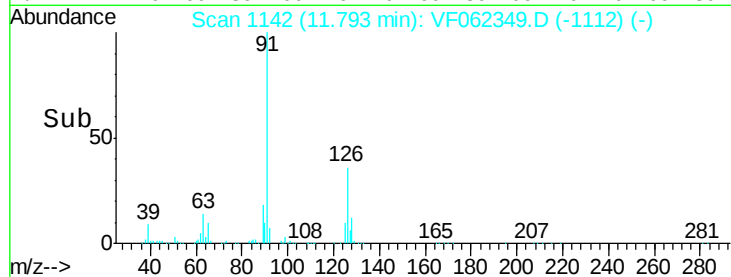
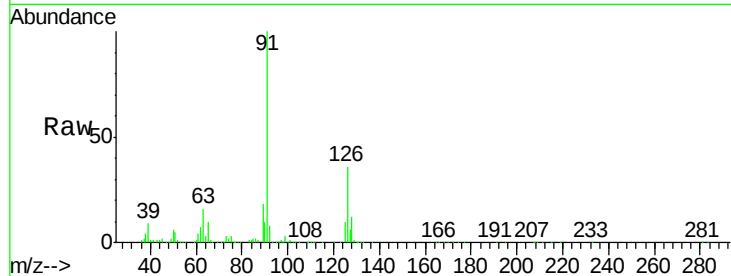
Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.4

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#80

1,3,5-Trimethylbenzene

Concen: 46.524 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062349.D

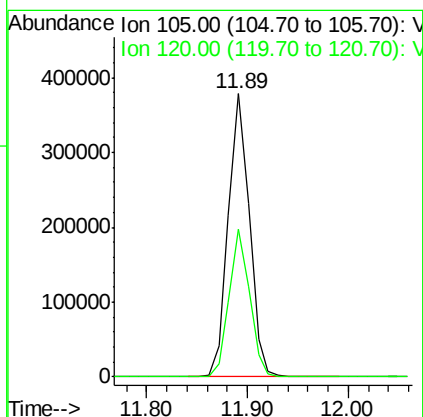
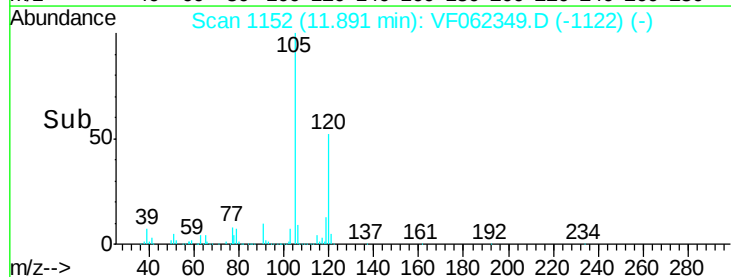
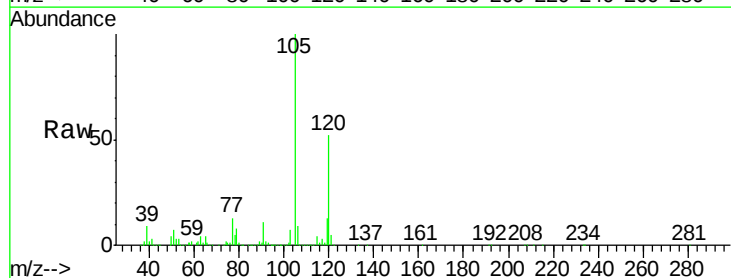
Acq: 7 May 2019 10:03

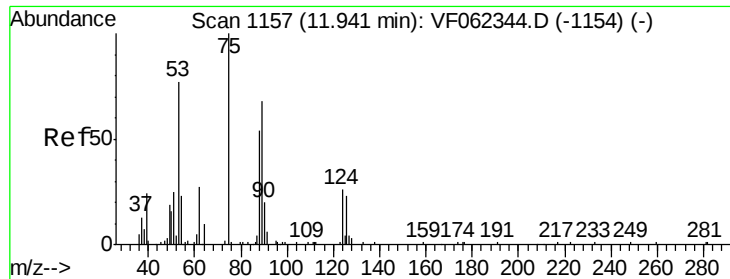
Tgt Ion: 105 Resp: 554011

Ion Ratio Lower Upper

105 100

120 50.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.690 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062349.D

Acq: 7 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 27263

Ion Ratio Lower Upper

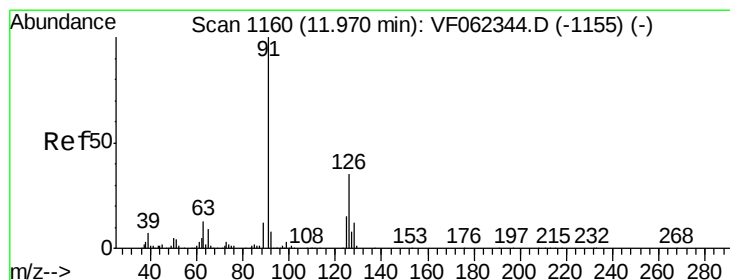
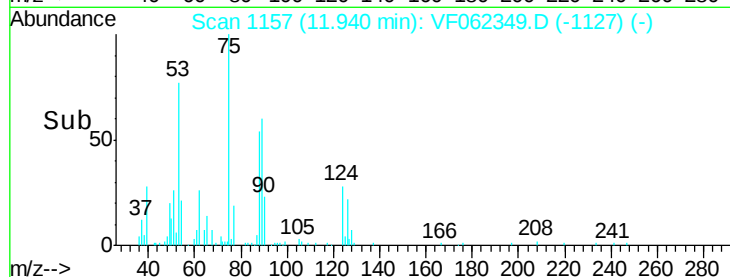
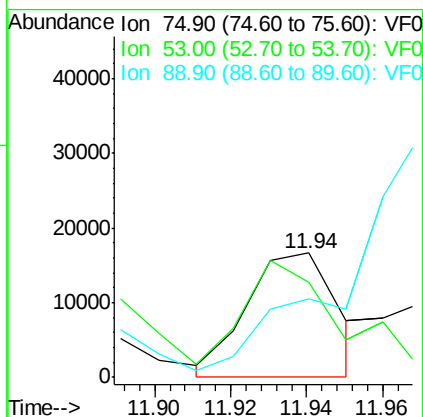
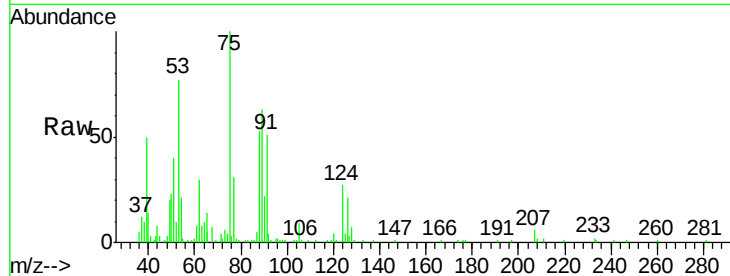
75 100

53 107.0 71.9 107.9

89 0.0 0.0 0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.316 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062349.D

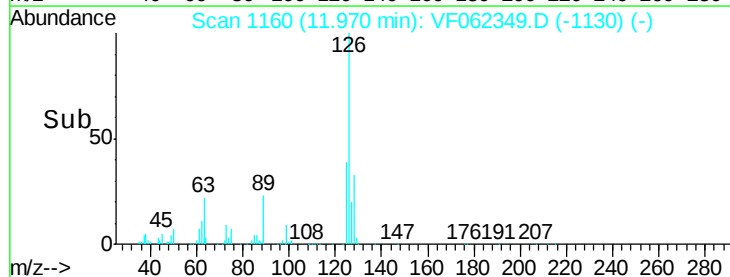
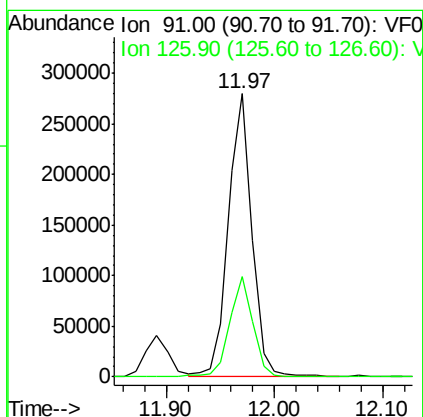
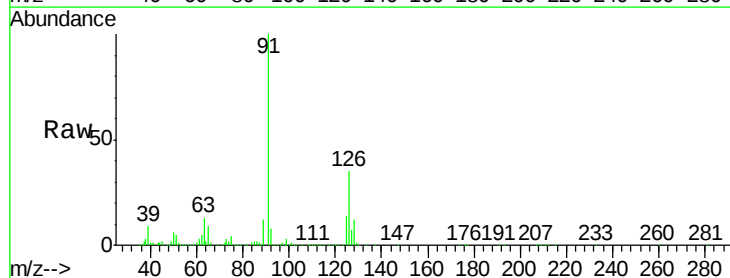
Acq: 7 May 2019 10:03

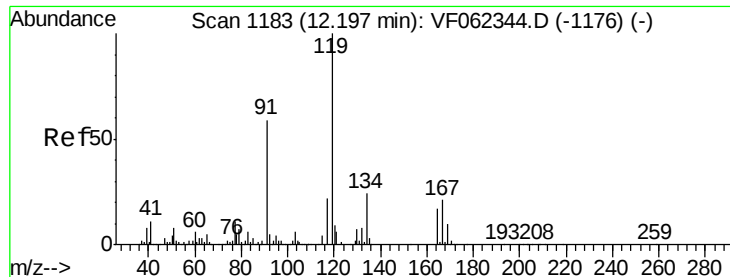
Tgt Ion: 91 Resp: 420324

Ion Ratio Lower Upper

91 100

126 36.0 17.7 53.1





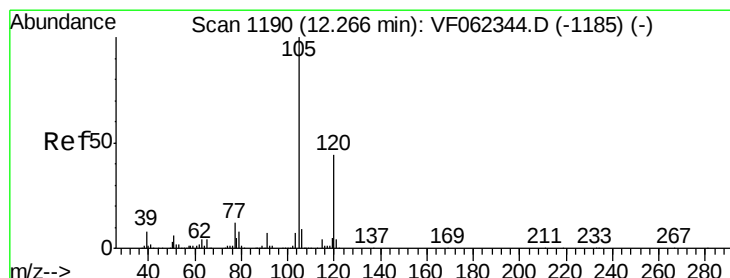
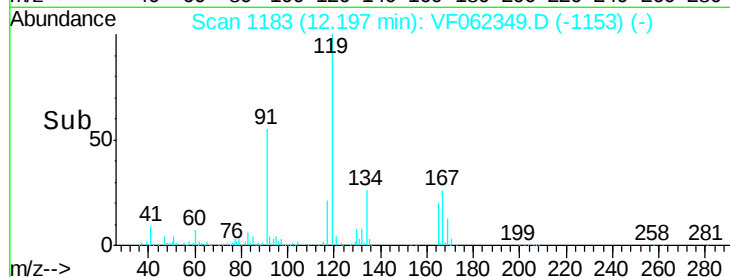
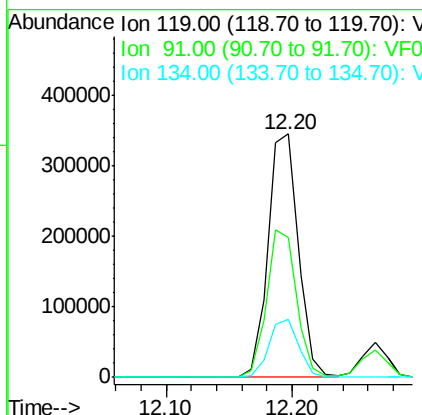
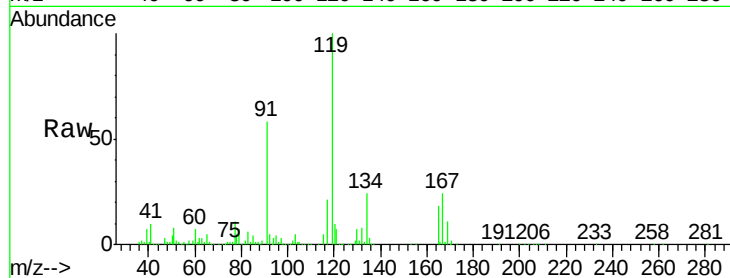
#83
tert-Butylbenzene
Concen: 46.140 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	577425		
91	59.9		30.4	91.3
134	23.5		11.9	35.7

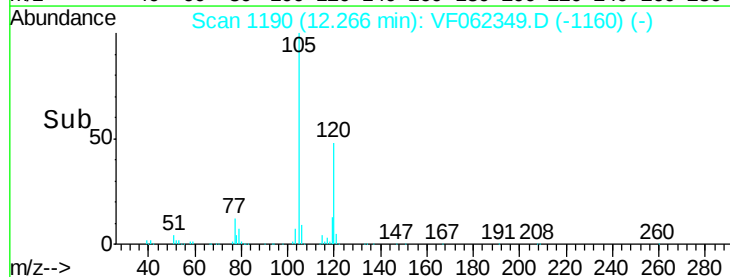
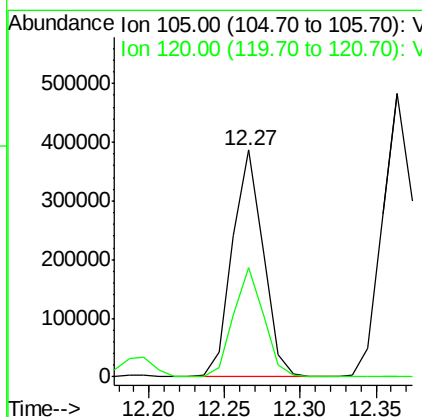
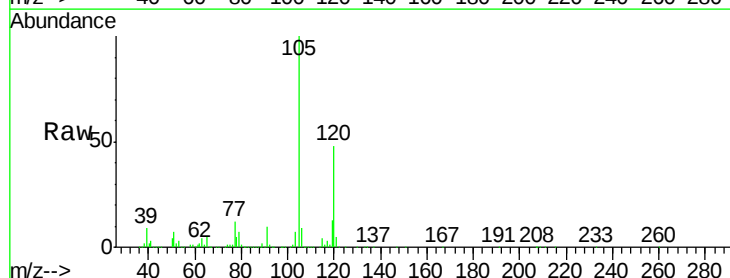
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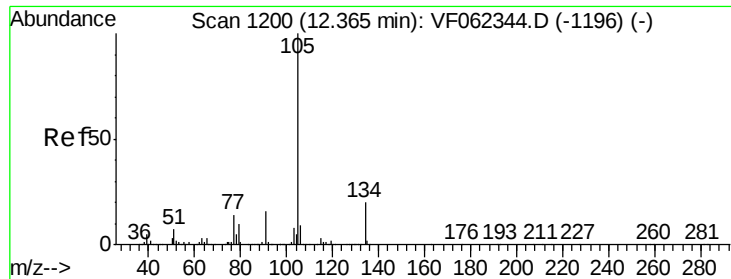
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 46.952 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	547152		
120	46.9		22.6	67.7





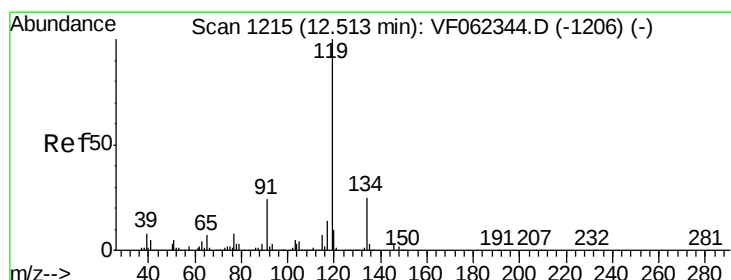
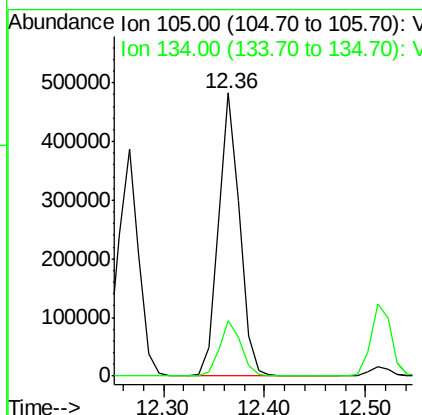
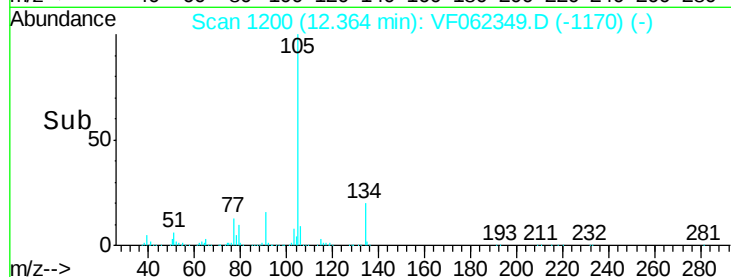
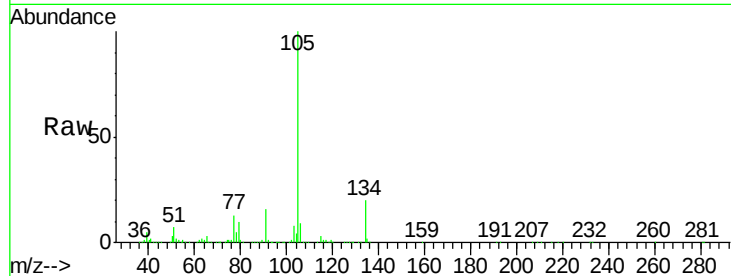
#85
 sec-Butylbenzene
 Concen: 46.524 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	708694		
134	19.7	9.8	29.5	

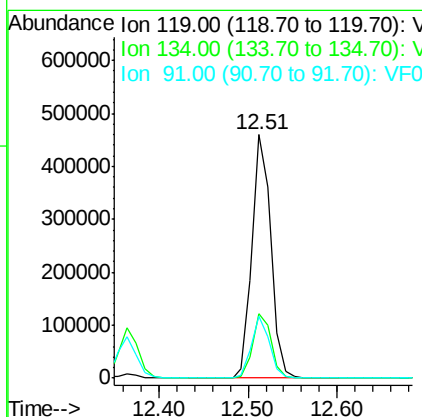
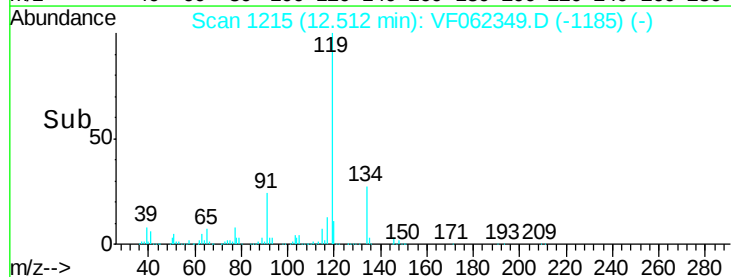
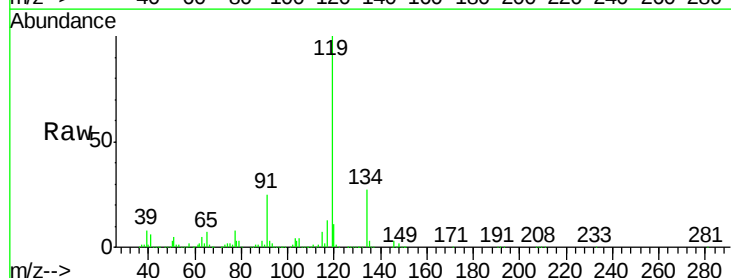
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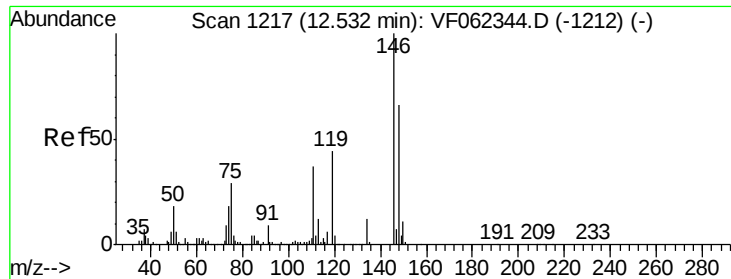
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#86
 p-Isopropyltoluene
 Concen: 47.231 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	668439		
134	26.2	12.9	38.7	
91	24.1	12.3	36.8	





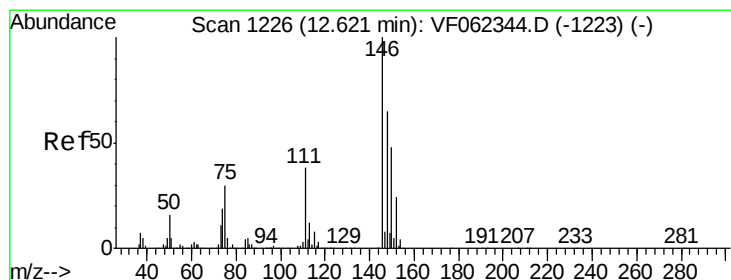
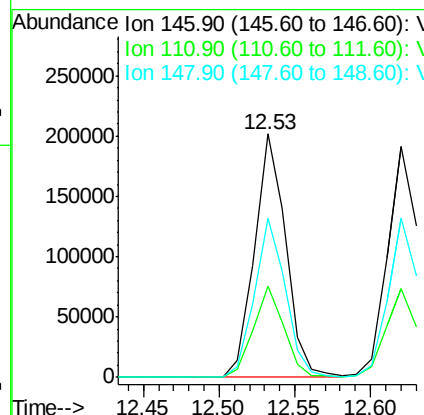
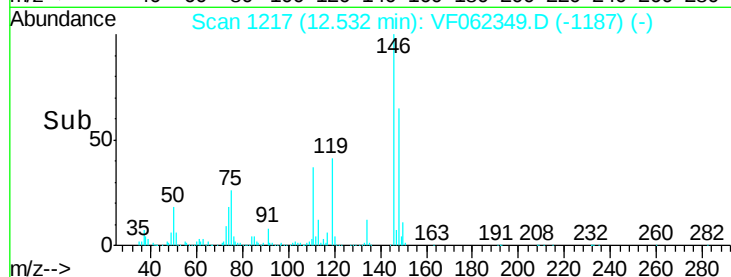
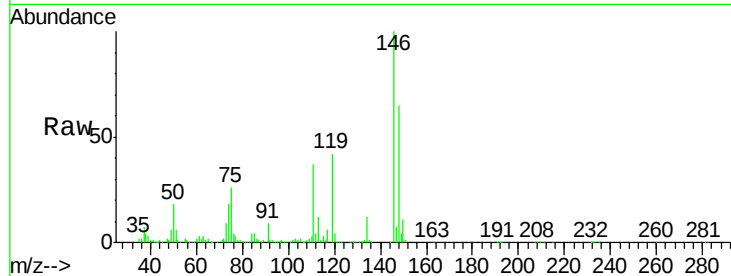
#87
 1,3-Dichlorobenzene
 Concen: 44.900 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.8
148	64.7	32.3	96.9

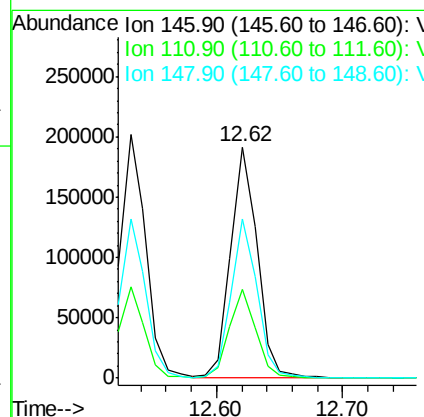
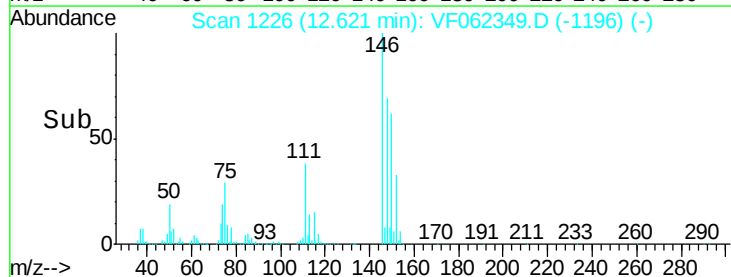
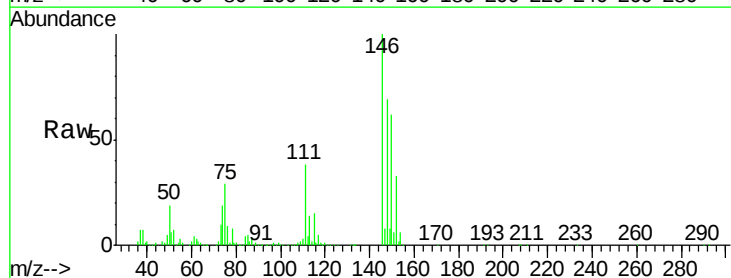
Manual Integrations
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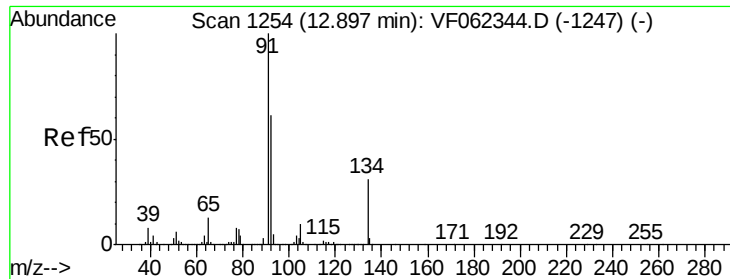
MMDadoda
 5/8/2019 11:10:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.306 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.3
148	67.6	32.2	96.6





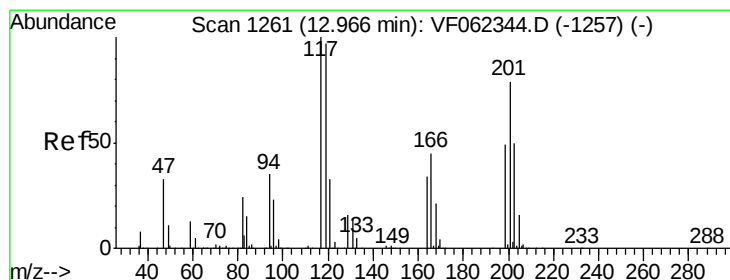
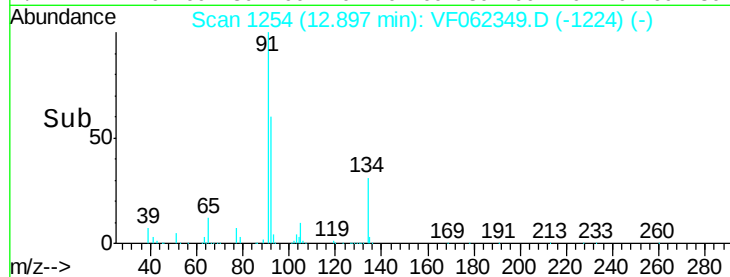
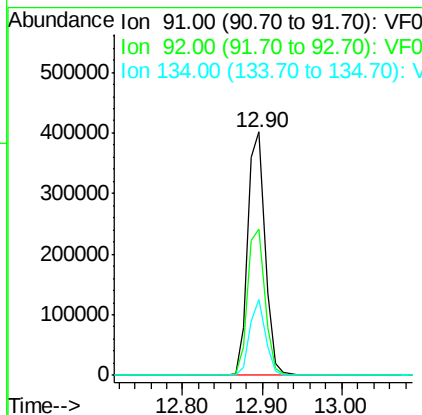
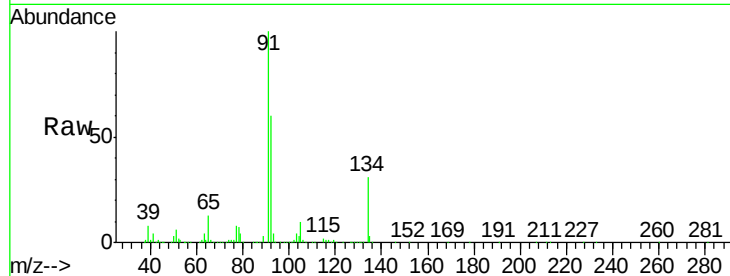
#89
n-Butylbenzene
Concen: 47.521 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	598360		
92	60.3	30.0	90.0	
134	28.2	14.1	42.4	

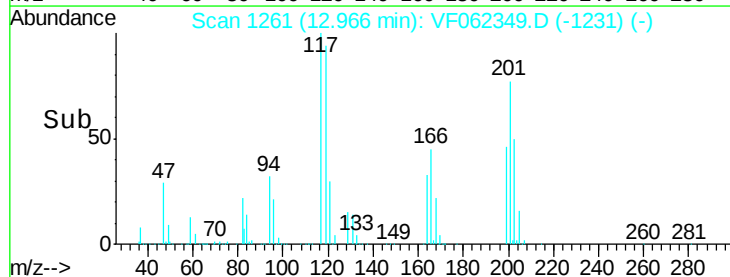
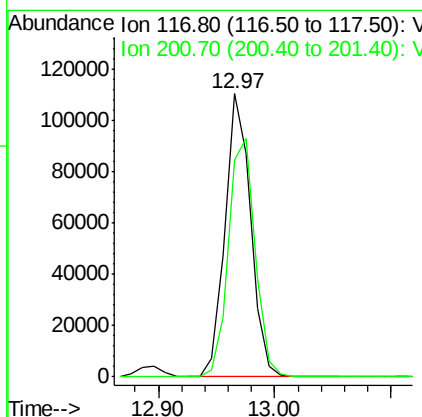
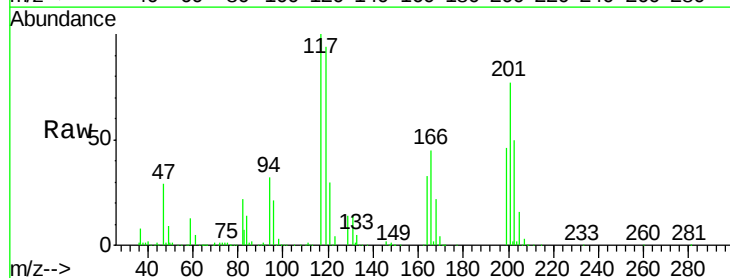
Manual Integrations
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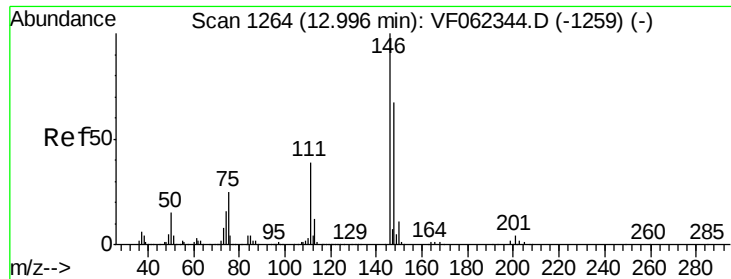
MMDadoda
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#90
Hexachloroethane
Concen: 47.504 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	167866		
201	88.1	46.2	138.5	





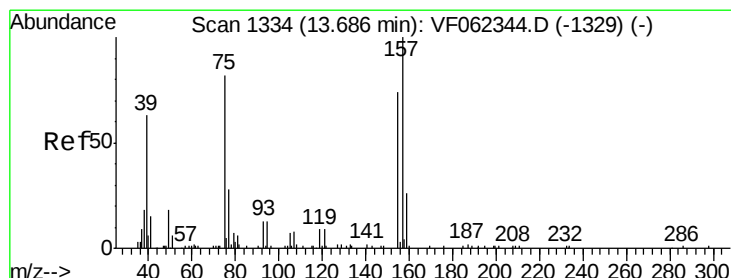
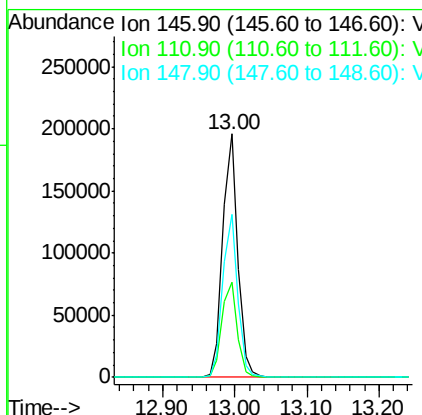
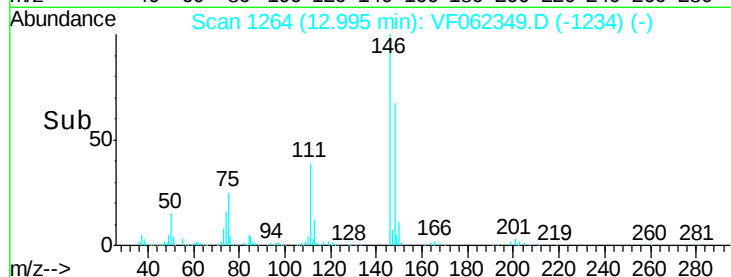
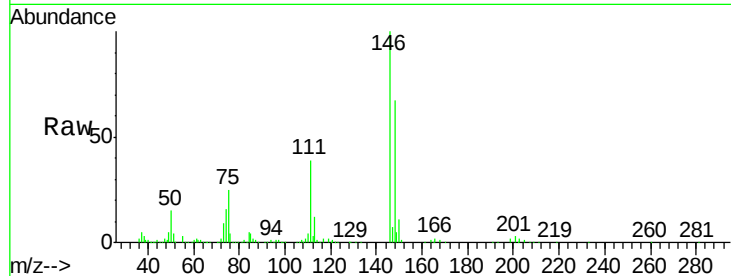
#91
 1,2-Dichlorobenzene
 Concen: 44.590 ug/l
 RT: 13.00 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	281058		
111	40.0		20.0	60.0
148	67.1		33.1	99.5

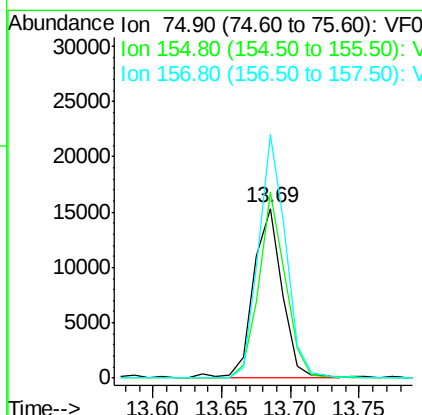
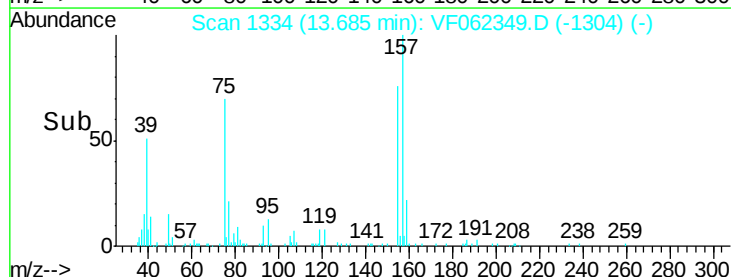
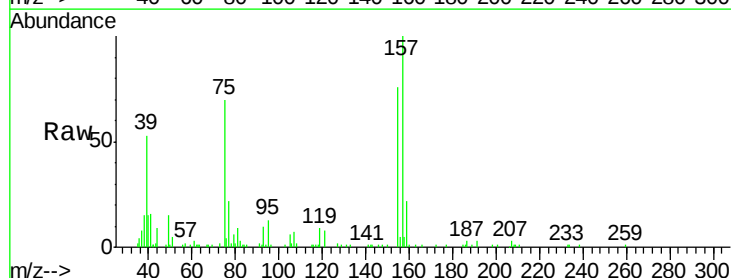
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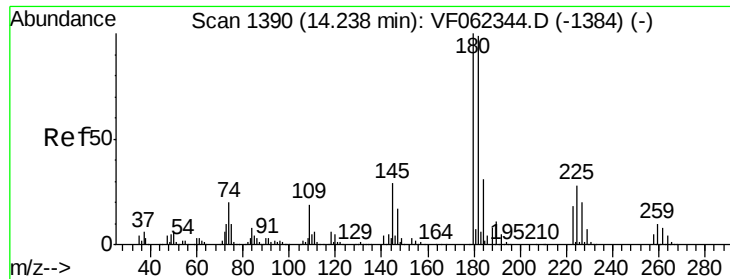
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.097 ug/l
 RT: 13.69 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22445		
155	100.6		51.8	155.4
157	134.4		67.3	201.8





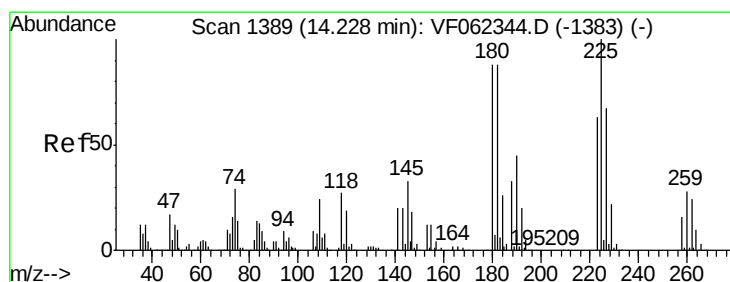
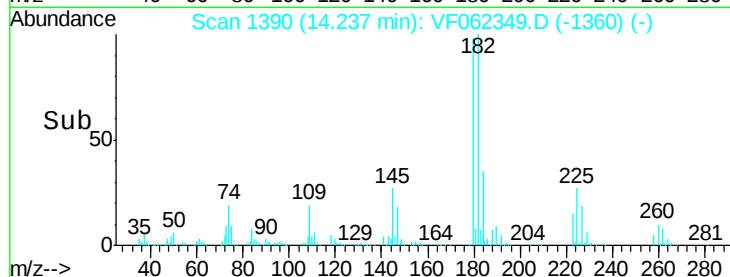
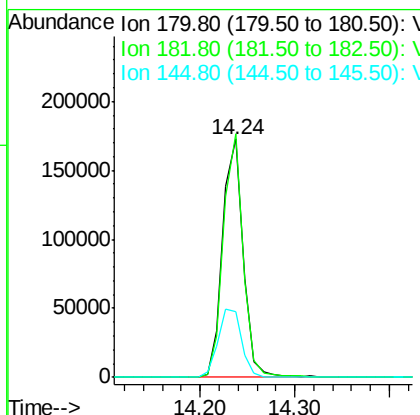
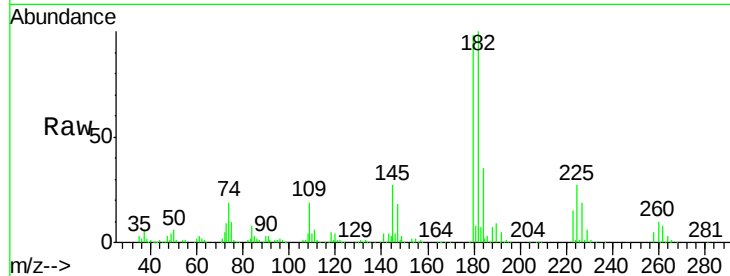
#93
 1,2,4-Trichlorobenzene
 Concen: 46.199 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	261189		
182	98.0	49.0	147.0	
145	33.1	16.7	50.1	

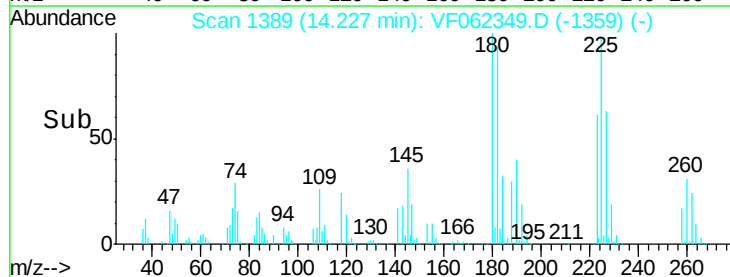
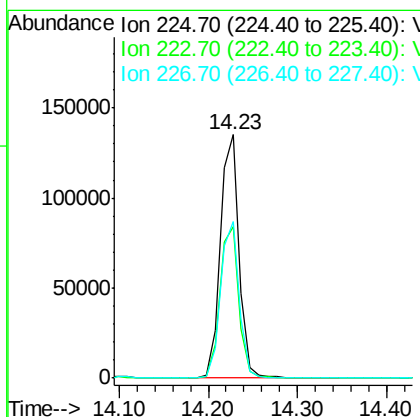
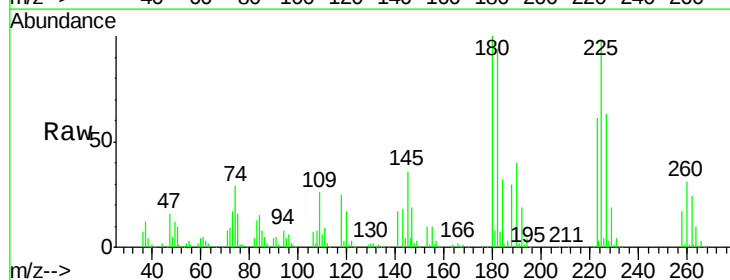
Manual Integrations
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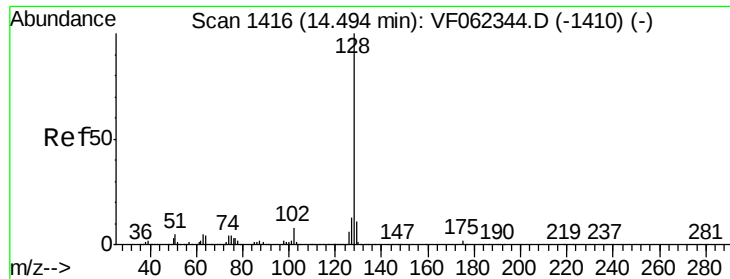
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 5/8/2019 11:10:30 AM



#94
 Hexachlorobutadiene
 Concen: 47.512 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062349.D
 Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	200205		
223	63.1	31.9	95.5	
227	63.9	33.1	99.5	





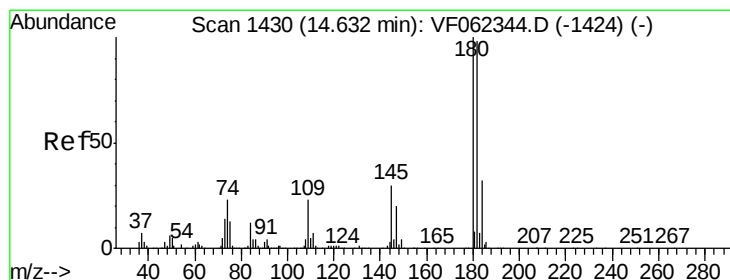
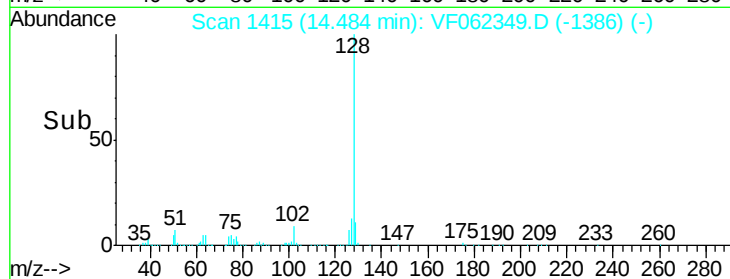
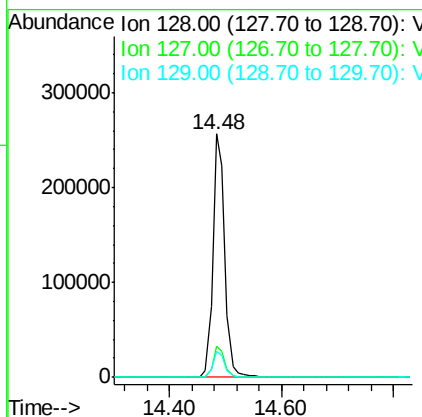
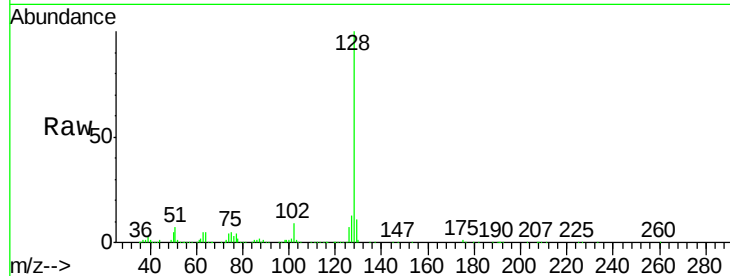
#95
Naphthalene
Concen: 45.479 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	386558		
127	12.7	10.5	15.7	
129	10.8	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.454 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.00 min
Lab File: VF062349.D
Acq: 7 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	259916		
182	98.5	49.4	148.0	
145	28.9	14.8	44.3	

