

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062303.D
 Acq On : 26 Apr 2019 12:57
 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
 4/29/2019 3:59:39 PM

Quant Time: Apr 27 00:50:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	413688	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.80	114	566893	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.93	117	432941	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	230812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	177230	52.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	4.33	113	211633	50.35	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	7.74	98	473239	46.09	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.18%	
62) 4-Bromofluorobenzene	11.51	95	191809	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	246475	50.136	ug/l	98
3) Chloromethane	1.15	50	187644	45.308	ug/l	96
4) Vinyl Chloride	1.20	62	183463	46.773	ug/l	100
5) Bromomethane	1.40	94	136481	51.237	ug/l	96
6) Chloroethane	1.46	64	95186	55.358	ug/l	100
7) Trichlorofluoromethane	1.57	101	337011	54.070	ug/l	95
8) Diethyl Ether	1.72	74	56178	49.752	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.93	101	202996	51.897	ug/l	97
10) Methyl Iodide	2.01	142	343416m	50.228	ug/l	
11) Tert butyl alcohol	2.72	59	56577	279.115	ug/l	100
12) 1,1-Dichloroethene	1.89	96	180554	51.734	ug/l	98
13) Acrolein	2.11	56	55311	289.692	ug/l	98
14) Allyl chloride	2.22	41	182581	48.070	ug/l #	63
15) Acrylonitrile	3.10	53	143313	255.269	ug/l	93
16) Acetone	2.36	43	232329	309.665	ug/l	96
17) Carbon Disulfide	1.93	76	444013	48.340	ug/l	99
18) Methyl Acetate	2.48	43	76152	54.877	ug/l	97
19) Methyl tert-butyl Ether	2.57	73	355651	53.453	ug/l	100
20) Methylene Chloride	2.36	84	160036m	49.955	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	169950	49.274	ug/l	95
22) Diisopropyl ether	2.95	45	512140	50.086	ug/l	95
23) Vinyl Acetate	3.37	43	1141504	251.749	ug/l	98
24) 1,1-Dichloroethane	3.03	63	300200	51.438	ug/l	99
25) 2-Butanone	4.55	43	295331	248.256	ug/l	98
26) 2,2-Dichloropropane	3.80	77	162355	53.570	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	209248	47.907	ug/l	96
28) Bromochloromethane	3.93	49	109911	44.691	ug/l #	97
29) Tetrahydrofuran	4.30	42	124129	237.470	ug/l	98
30) Chloroform	4.08	83	375781	51.277	ug/l	99
31) Cyclohexane	3.90	56	262520	47.273	ug/l	95
32) 1,1,1-Trichloroethane	4.31	97	253042	43.979	ug/l #	85
36) 1,1-Dichloropropene	4.50	75	271717	51.953	ug/l	99
37) Ethyl Acetate	4.33	43	109035	49.555	ug/l	94
38) Carbon Tetrachloride	4.22	117	262551	49.381	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	315652	51.701	ug/l	99
40) Benzene	4.85	78	636380	50.362	ug/l	99
41) Methacrylonitrile	4.96	41	66379	54.304	ug/l	95
42) 1,2-Dichloroethane	5.15	62	233730	58.386	ug/l	98
43) Isopropyl Acetate	7.13	43	111102	49.273	ug/l #	99
44) Trichloroethene	5.71	130	218008	50.994	ug/l	97
45) 1,2-Dichloropropane	6.43	63	148218	52.024	ug/l	97
46) Dibromomethane	6.29	93	120659	58.652	ug/l	99
47) Bromodichloromethane	6.58	83	277783	57.438	ug/l	96
48) Methyl methacrylate	6.90	41	81808	50.749	ug/l	93
49) 1,4-Dioxane	6.90	88	18942	1020.456	ug/l	95
51) 4-Methyl-2-Pentanone	8.43	43	410596	236.840	ug/l	100
52) Toluene	7.80	92	339029	46.497	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	184693	51.935	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	228953	50.255	ug/l	93
55) 1,1,2-Trichloroethane	8.66	97	105330	50.863	ug/l	94
56) Ethyl methacrylate	8.78	69	102594	45.096	ug/l	96
57) 1,3-Dichloropropane	9.02	76	171353	52.627	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	155302	224.336	ug/l	98
59) 2-Hexanone	9.65	43	279593	265.062	ug/l	99
60) Dibromochloromethane	8.88	129	175656	52.263	ug/l	97
61) 1,2-Dibromoethane	9.15	107	125367	52.307	ug/l	95
64) Tetrachloroethene	8.33	164	179802	49.652	ug/l	97
65) Chlorobenzene	9.95	112	410549	51.893	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	204537	54.887	ug/l	100
67) Ethyl Benzene	10.05	91	721805	52.479	ug/l	99
68) m/p-Xylenes	10.28	106	534089	104.298	ug/l	99
69) o-Xylene	10.84	106	276687	48.363	ug/l	97
70) Styrene	10.91	104	386039	46.677	ug/l	99
71) Bromoform	10.90	173	104227	49.688	ug/l #	100
73) Isopropylbenzene	11.23	105	834891	52.795	ug/l	97
74) N-amyl acetate	11.46	43	153929	42.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	128840	51.281	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	91867	51.536	ug/l #	100
77) Bromobenzene	11.60	156	206746	52.296	ug/l	97
78) n-propylbenzene	11.69	91	827013	49.701	ug/l	100
79) 2-Chlorotoluene	11.82	91	522171	52.098	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	716744	53.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	37820m	47.465	ug/l	
82) 4-Chlorotoluene	11.98	91	502068	50.624	ug/l	97
83) tert-Butylbenzene	12.21	119	740056	54.016	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	665977	51.507	ug/l	99
85) sec-Butylbenzene	12.39	105	916504	53.708	ug/l	99
86) p-Isopropyltoluene	12.54	119	806621	52.723	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	348497	49.827	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	351442	52.996	ug/l	99
89) n-Butylbenzene	12.91	91	711928	51.213	ug/l	99
90) Hexachloroethane	12.99	117	216283	56.396	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	341940	50.932	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	26624	52.529	ug/l	94

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QLast Update : Thu Apr 25 08:40:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	308704	52.340	ug/l	99
94) Hexachlorobutadiene	14.24	225	234827	55.361	ug/l	99
95) Naphthalene	14.51	128	474639	51.944	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	306597	54.963	ug/l	99

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

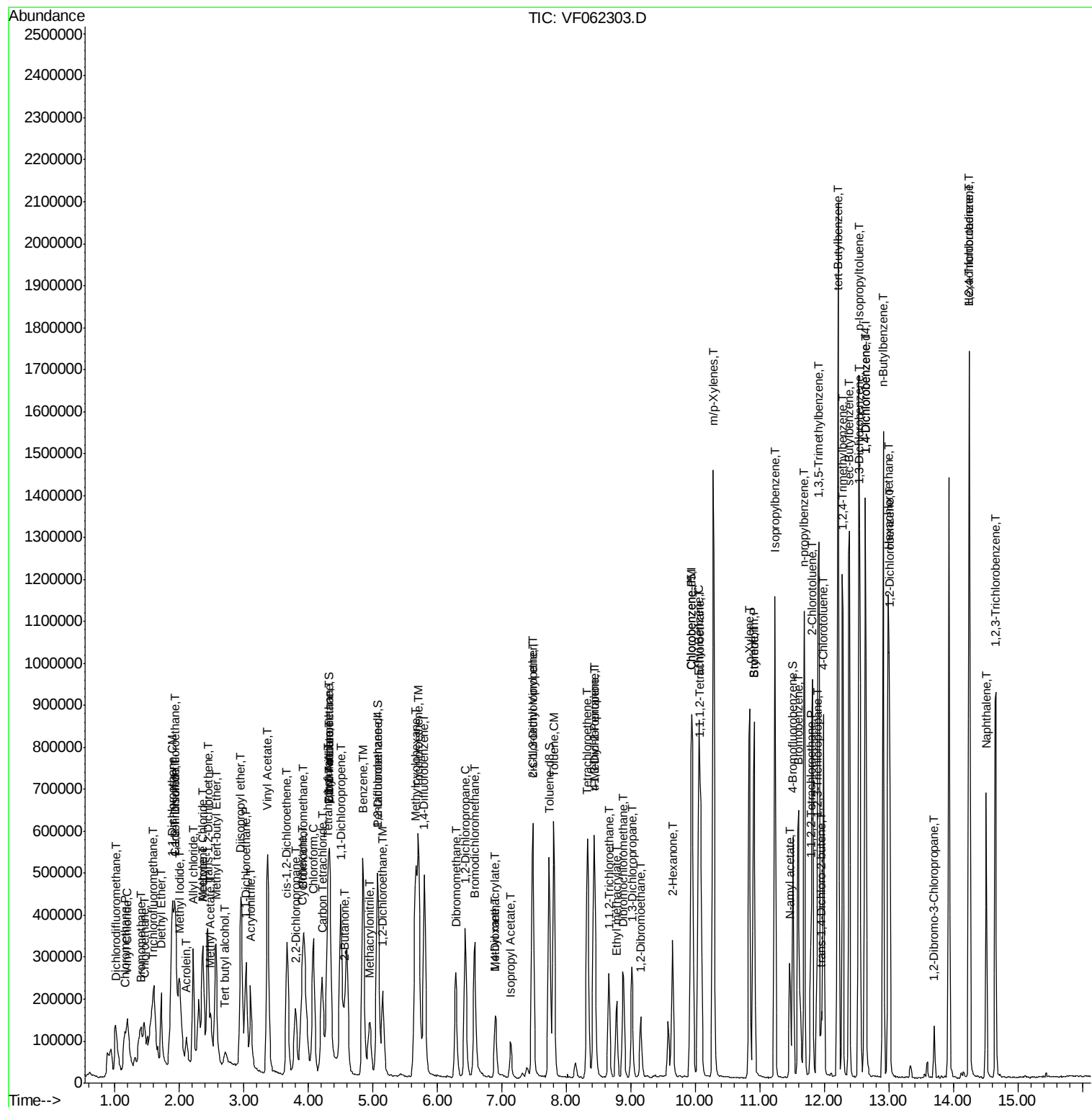
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042619\
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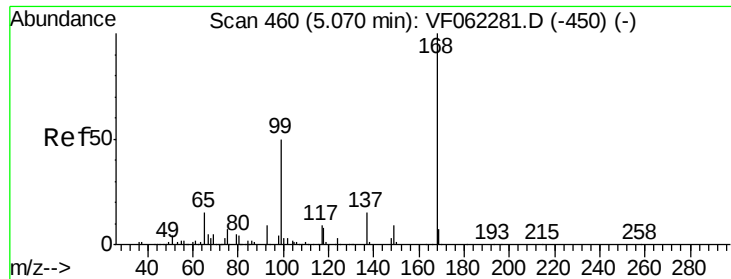
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 462

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 413688

Ion Ratio Lower Upper

168 100

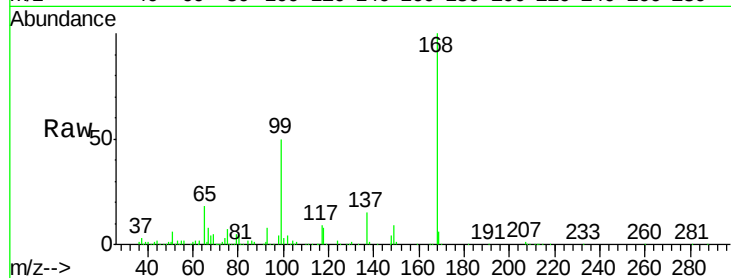
99 50.1 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

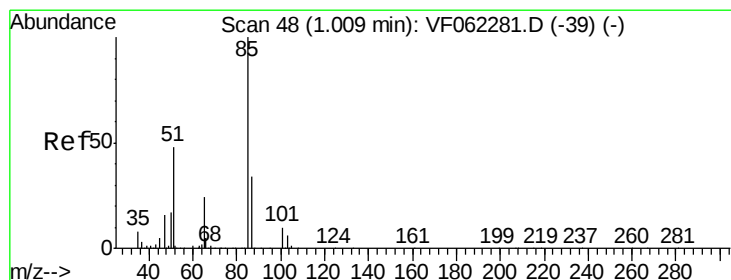
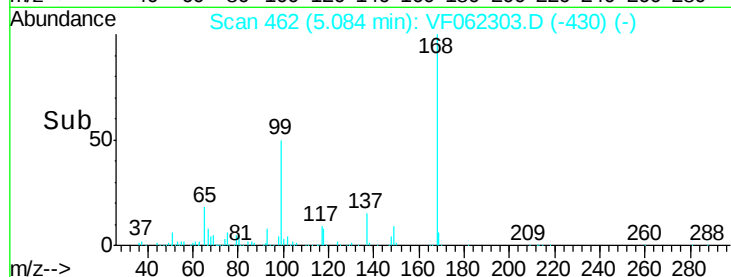
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 50.136 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062303.D

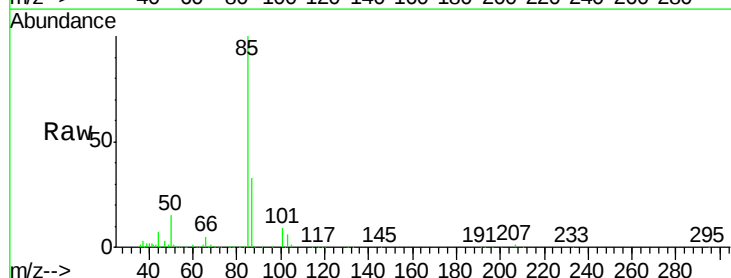
Acq: 26 Apr 2019 12:57

Tgt Ion: 85 Resp: 246475

Ion Ratio Lower Upper

85 100

87 33.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

80000

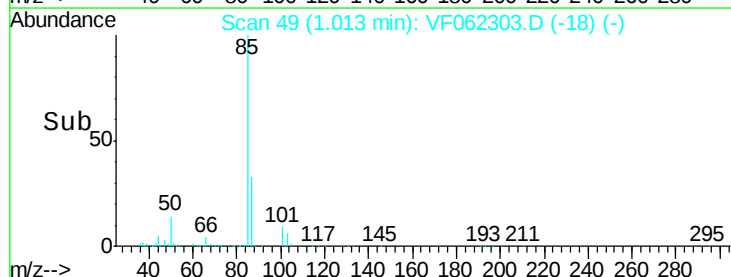
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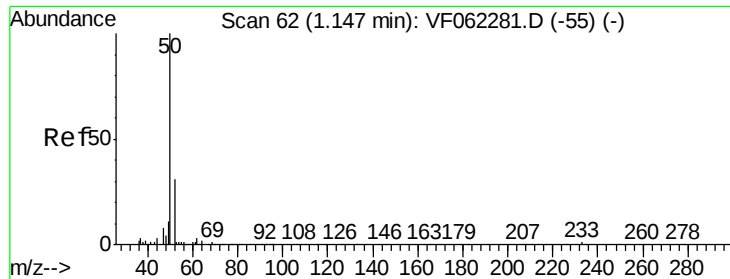
40000

20000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 45.308 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 187644

Ion Ratio Lower Upper

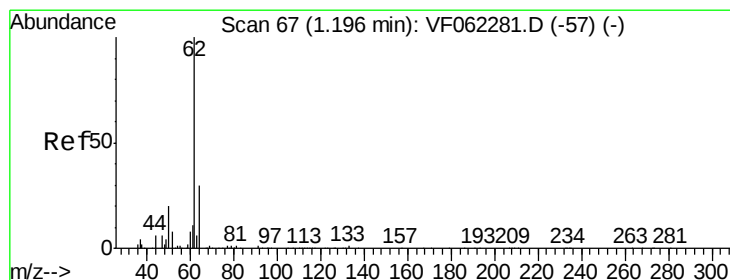
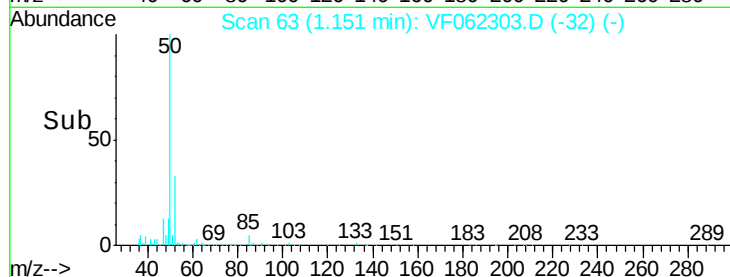
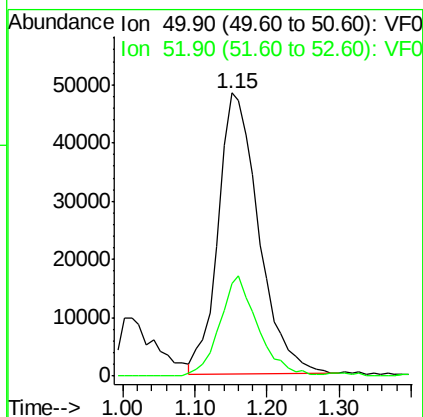
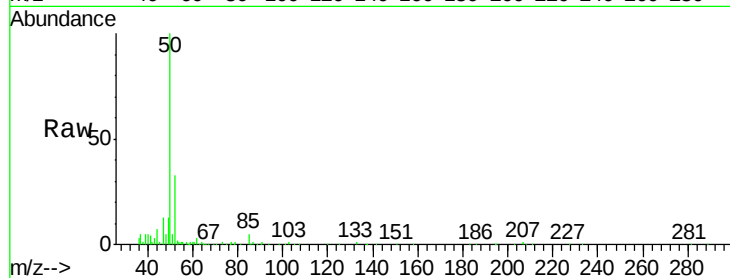
50 100

52 32.4 24.2 36.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.773 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062303.D

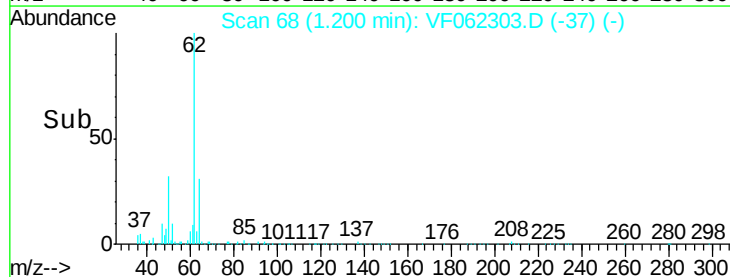
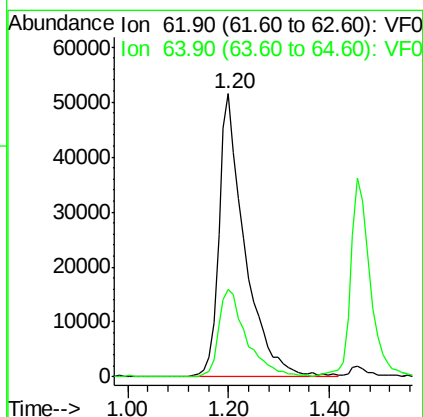
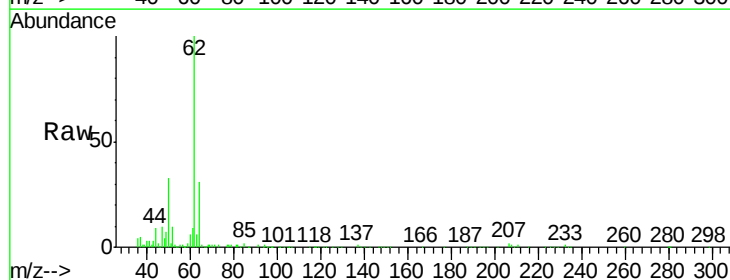
Acq: 26 Apr 2019 12:57

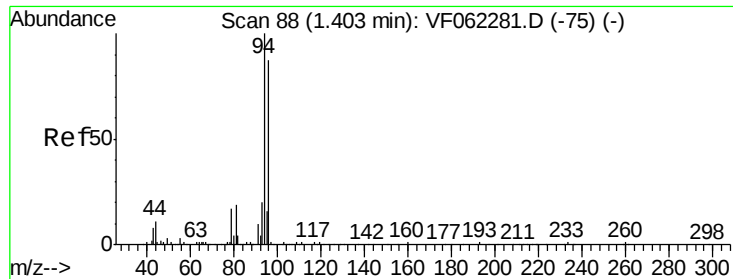
Tgt Ion: 62 Resp: 183463

Ion Ratio Lower Upper

62 100

64 30.5 24.3 36.5





#5

Bromomethane

Concen: 51.237 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 136481

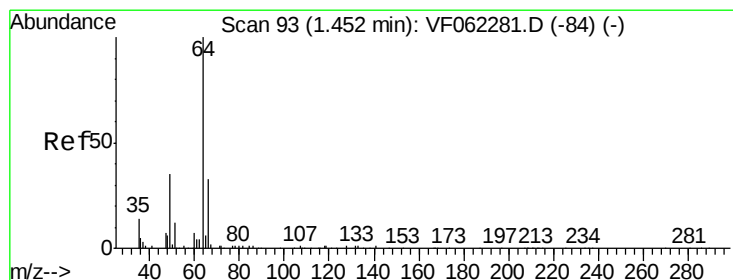
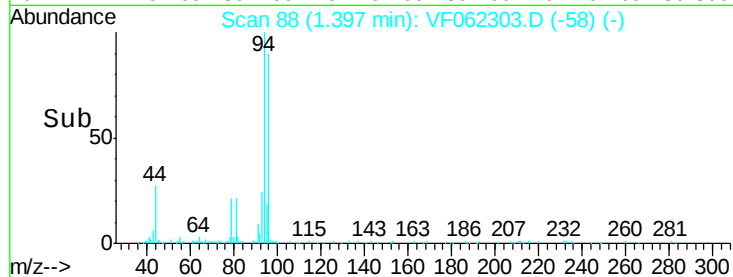
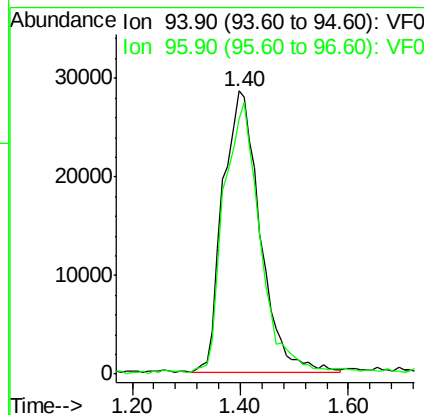
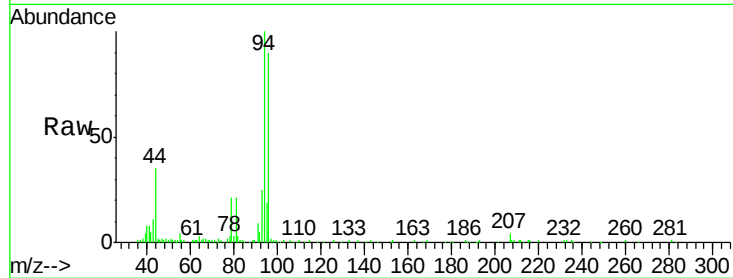
Ion Ratio Lower Upper

94 100

96 90.2 69.5 104.3

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#6

Chloroethane

Concen: 55.358 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.00 min

Lab File: VF062303.D

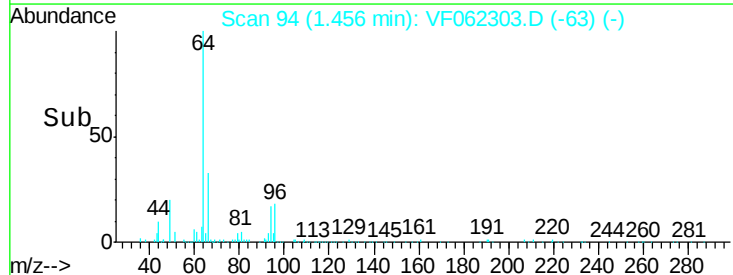
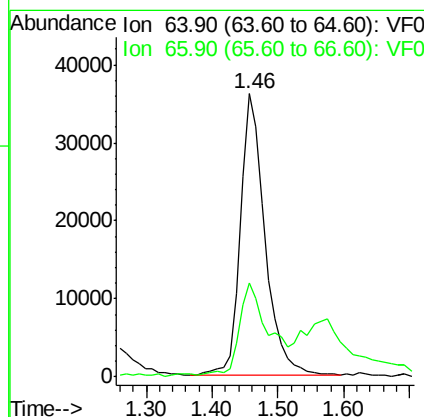
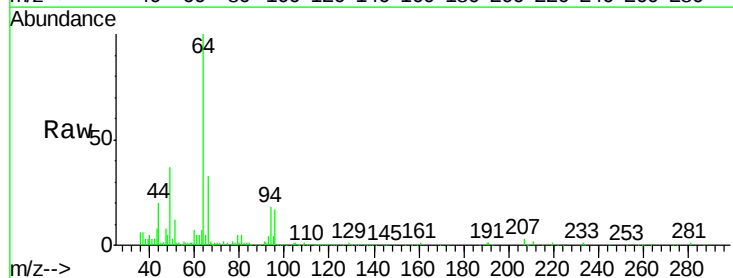
Acq: 26 Apr 2019 12:57

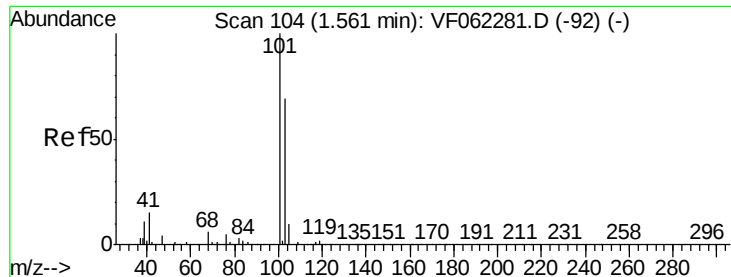
Tgt Ion: 64 Resp: 95186

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0





#7

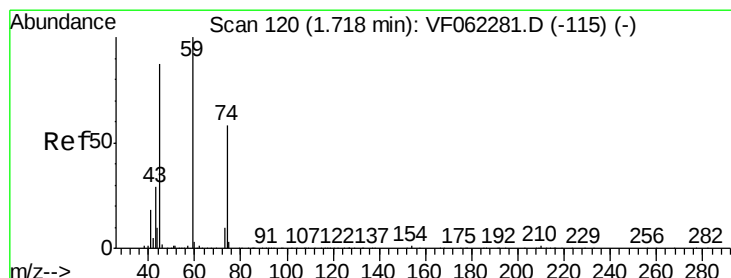
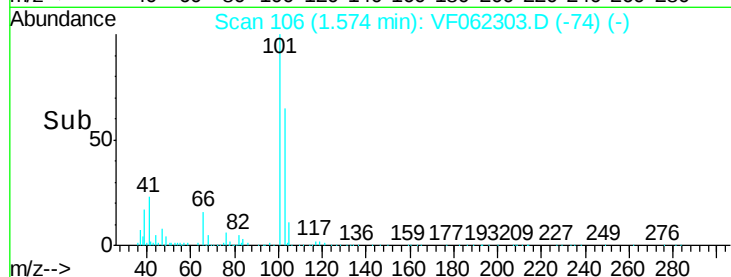
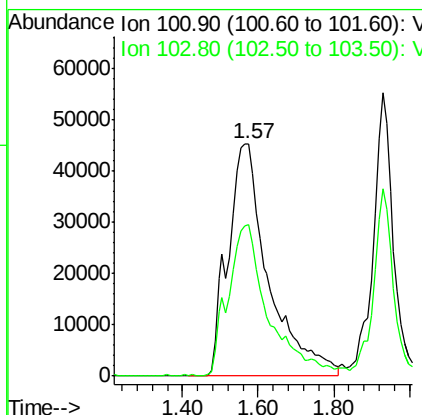
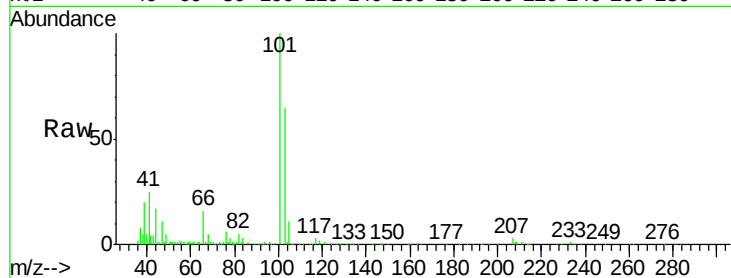
Trichlorofluoromethane
Concen: 54.070 ug/l
RT: 1.57 min Scan# 106
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	55.0	82.6

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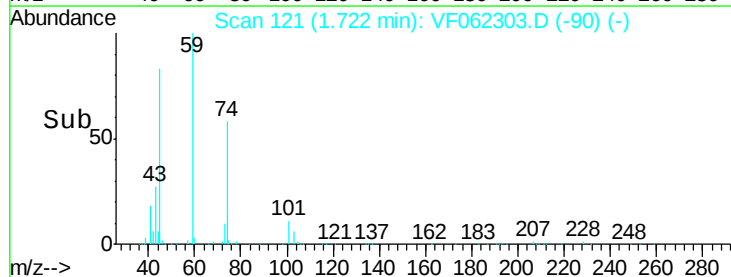
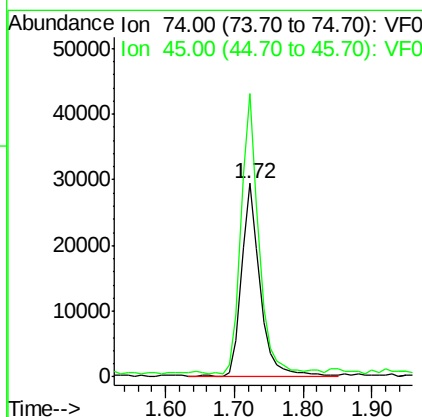
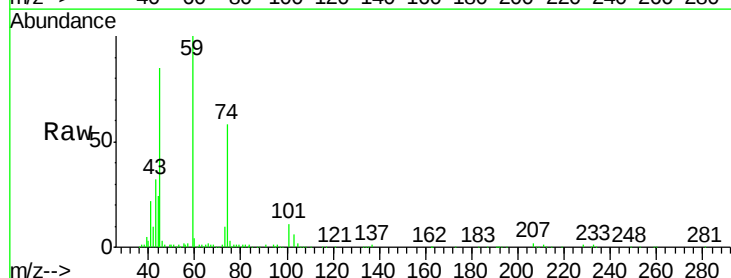
MMDadoda
4/29/2019 3:59:39 PM

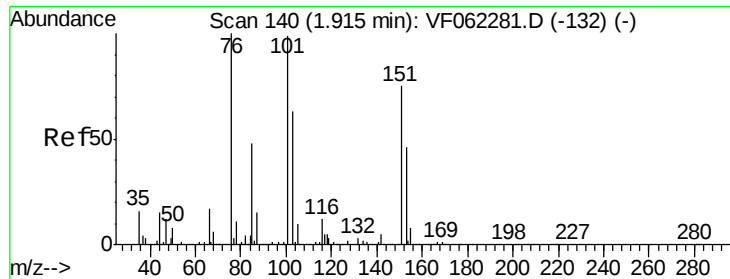


#8

Diethyl Ether
Concen: 49.752 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.7	74.0	222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.897 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

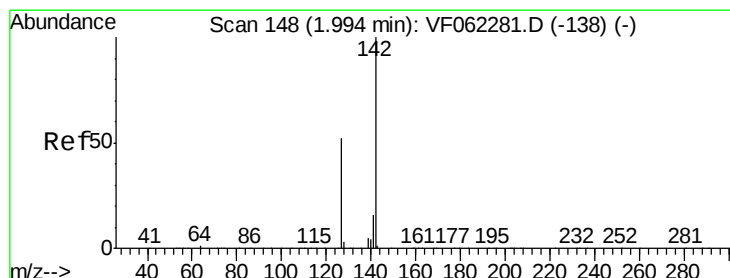
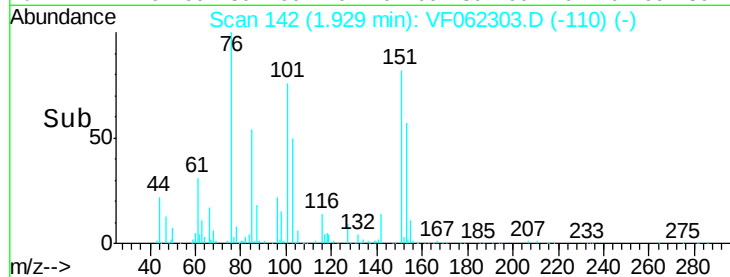
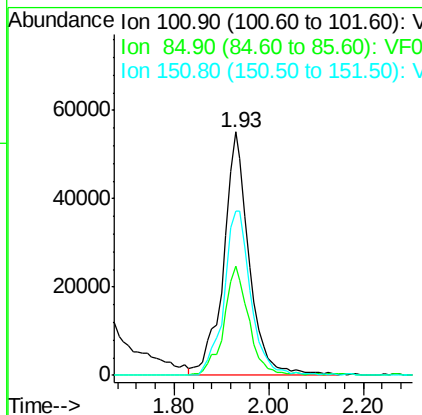
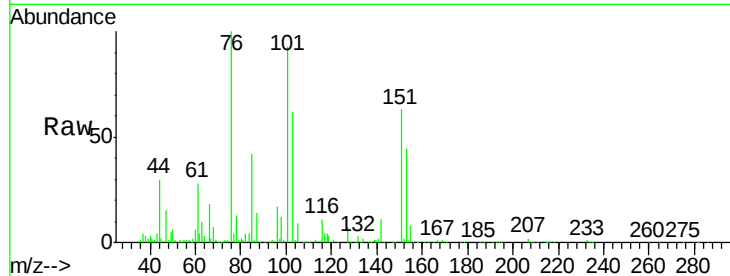
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	202996
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.5	54.7
151	71.3	59.2	88.8

Manual Integrations
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MMDadoda
4/29/2019 3:59:39 PM



#10

Methyl Iodide

Concen: 50.228 ug/l m

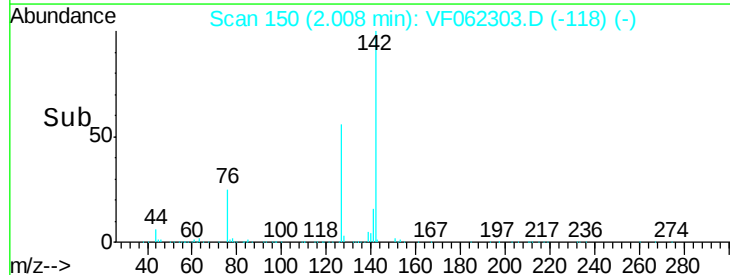
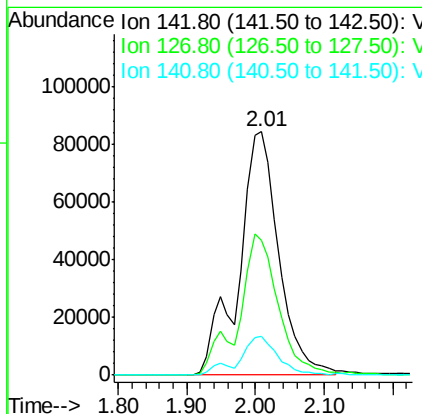
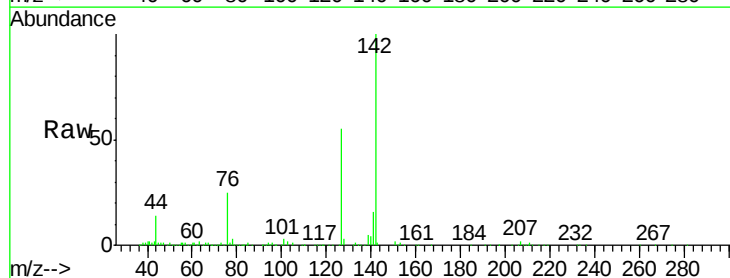
RT: 2.01 min Scan# 150

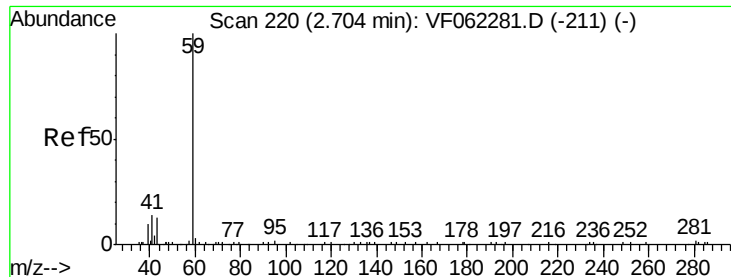
Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion:	142	Resp:	343416
Ion Ratio	Lower	Upper	
142	100		
127	47.8	43.0	64.4
141	12.4	12.3	18.5





#11

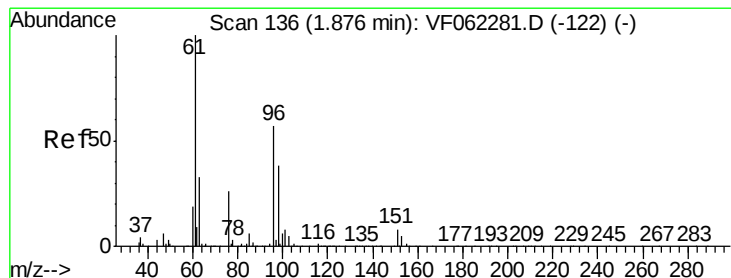
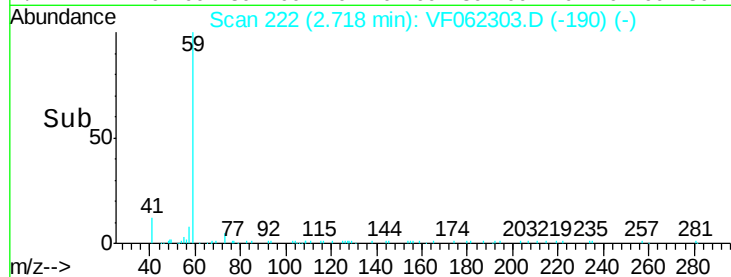
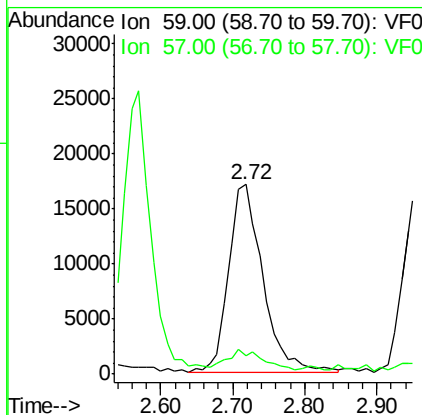
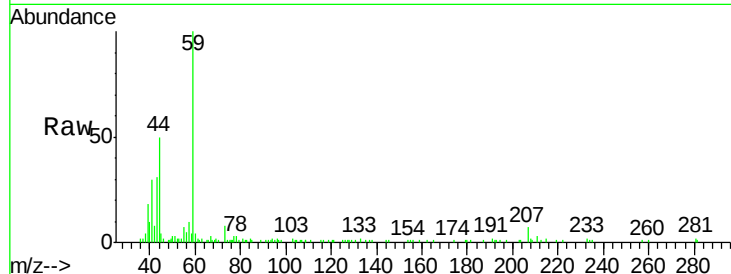
Tert butyl alcohol
 Concen: 279.115 ug/l
 RT: 2.72 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.8	13.2

Manual Integrations
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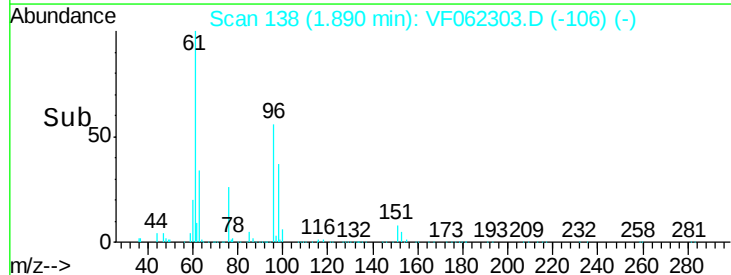
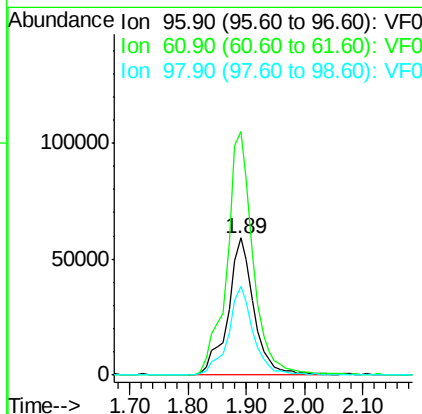
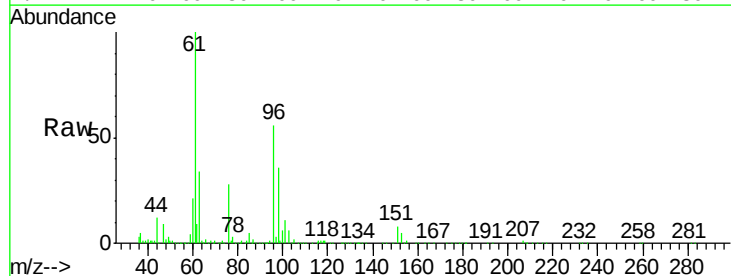
MMDadoda
 4/29/2019 3:59:39 PM

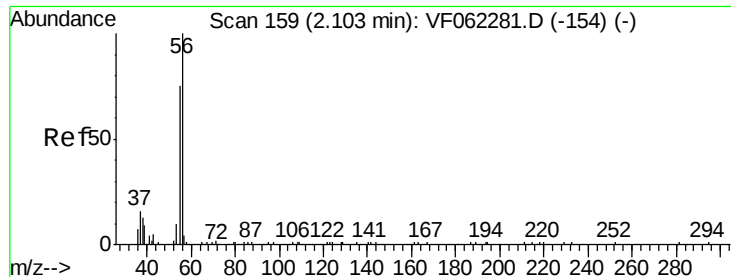


#12

1,1-Dichloroethene
 Concen: 51.734 ug/l
 RT: 1.89 min Scan# 138
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.1	141.1	211.7
98	64.8	53.4	80.0





#13

Acrolein

Concen: 289.692 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 55311

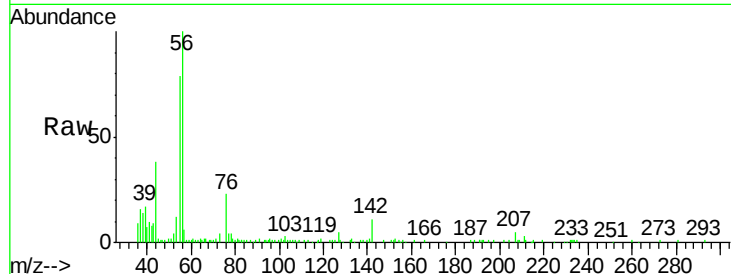
Ion Ratio Lower Upper

56 100

55 76.1 62.3 93.5

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

Ion 55.00 (54.70 to 55.70): VF0

2.11

20000

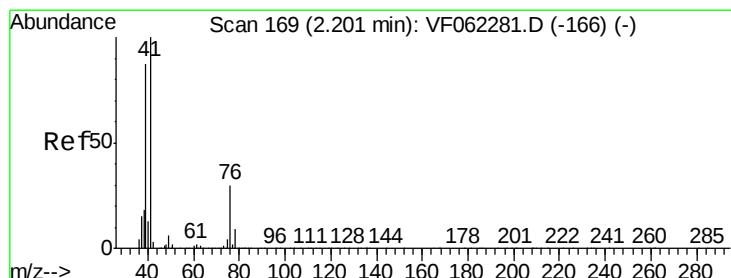
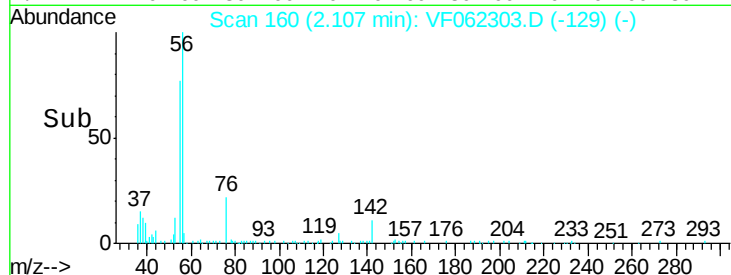
15000

10000

5000

0

Time--> 2.00 2.10 2.20



#14

Allyl chloride

Concen: 48.070 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

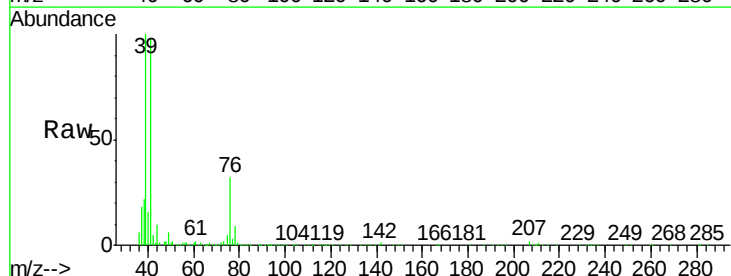
Tgt Ion: 41 Resp: 182581

Ion Ratio Lower Upper

41 100

39 95.3 50.3 75.5#

76 27.8 14.8 22.2#



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

120000

100000

80000

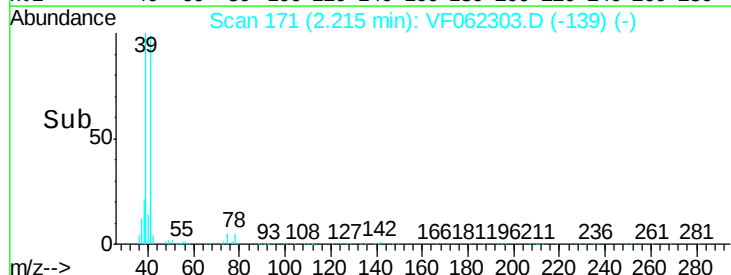
60000

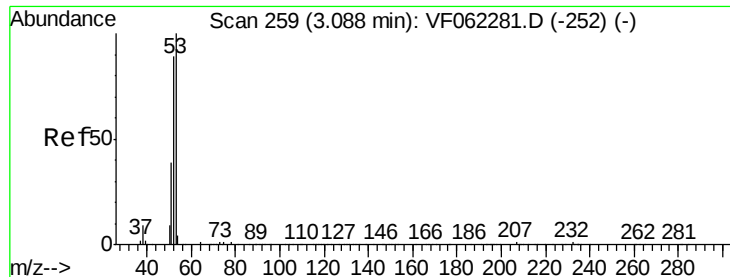
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#15

Acrylonitrile

Concen: 255.269 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

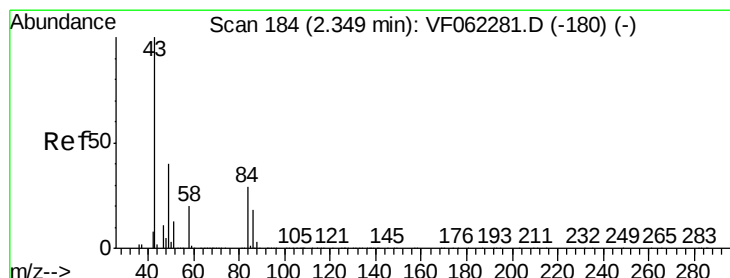
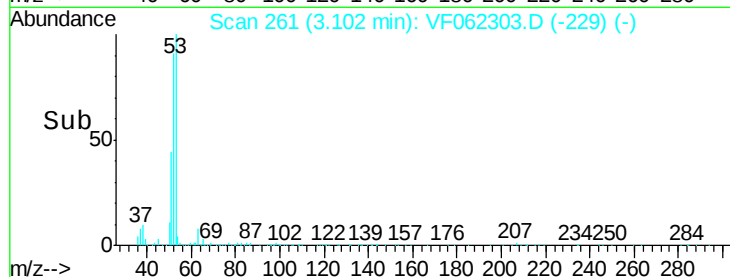
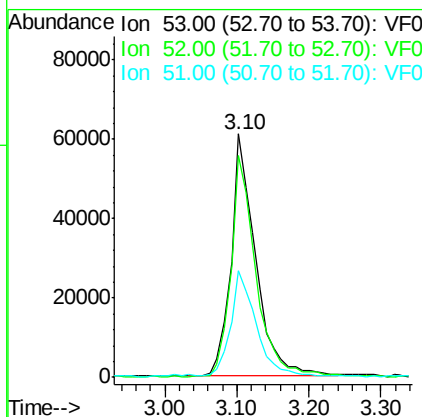
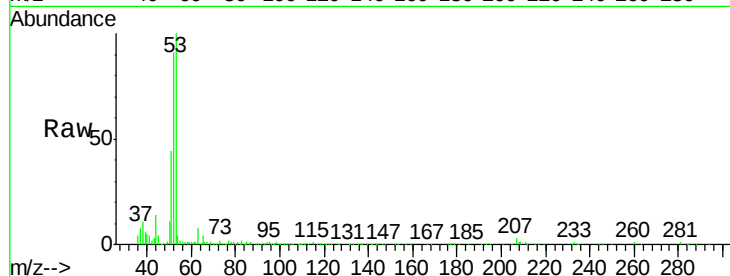
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	143313
Ion Ratio		Lower	Upper
53	100		
52	95.0	70.6	105.8
51	45.3	32.6	48.8

Manual Integrations
APPROVED

MMDadoda
4/29/2019 3:59:39 PM



#16

Acetone

Concen: 309.665 ug/l

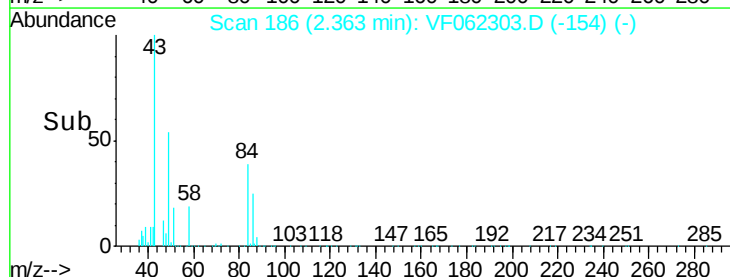
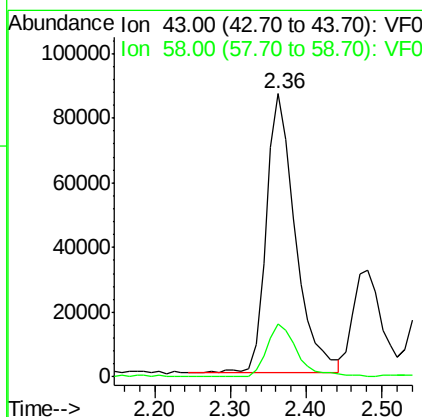
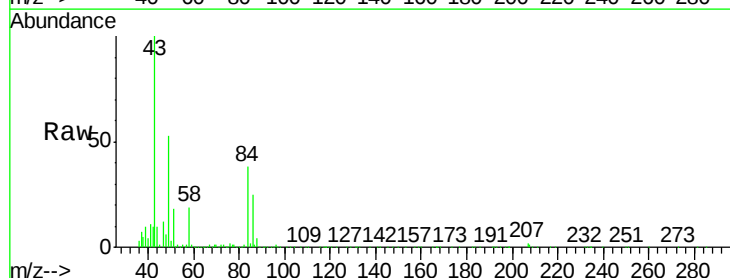
RT: 2.36 min Scan# 186

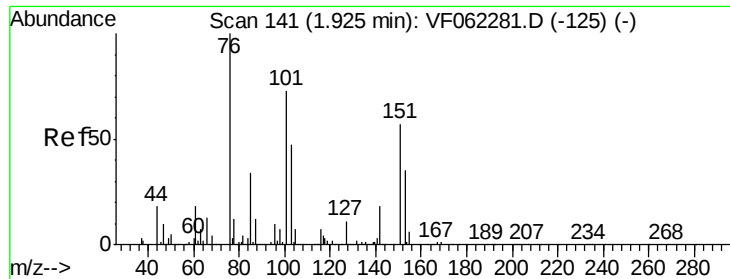
Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion:	43	Resp:	232329
Ion Ratio		Lower	Upper
43	100		
58	18.8	16.4	24.6





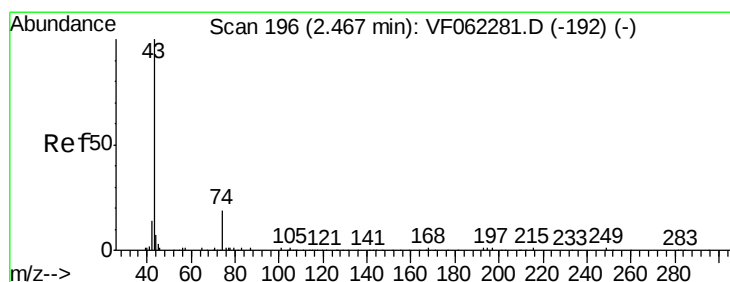
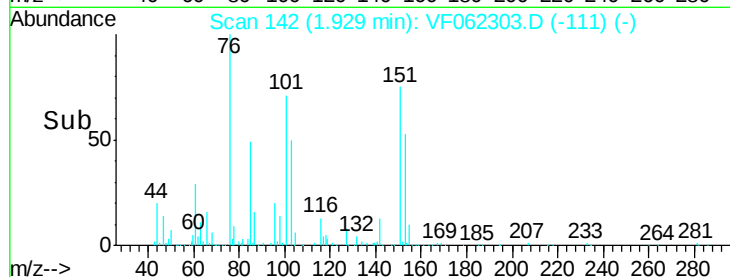
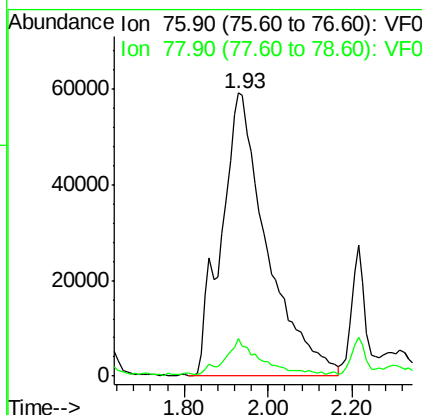
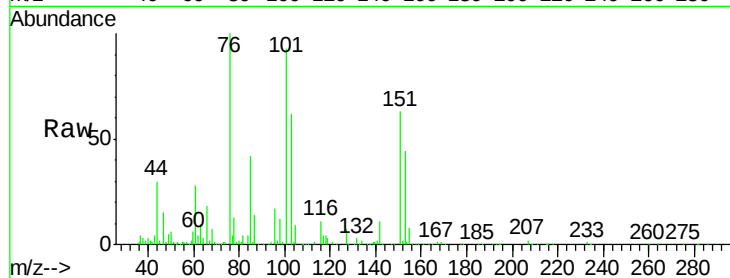
#17
Carbon Disulfide
Concen: 48.340 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.6	9.8	14.8

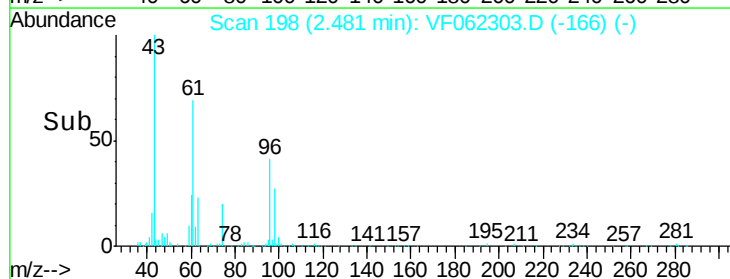
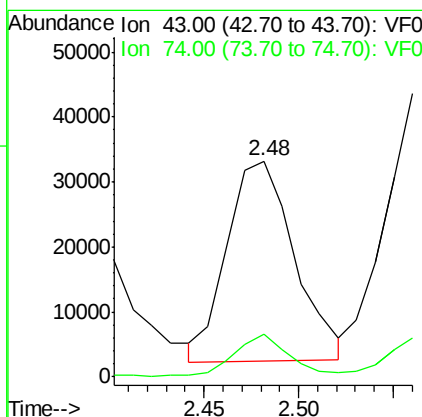
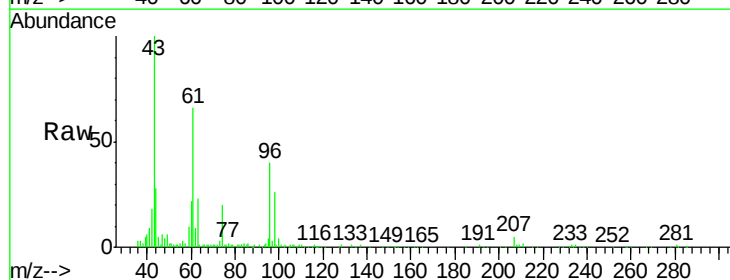
Manual Integrations
APPROVED

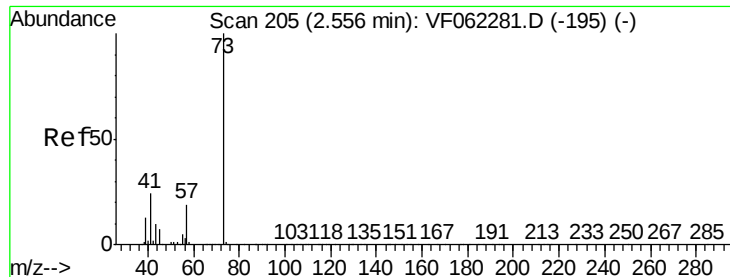
MMDadoda
4/29/2019 3:59:39 PM



#18
Methyl Acetate
Concen: 54.877 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.6	14.4	21.6





#19

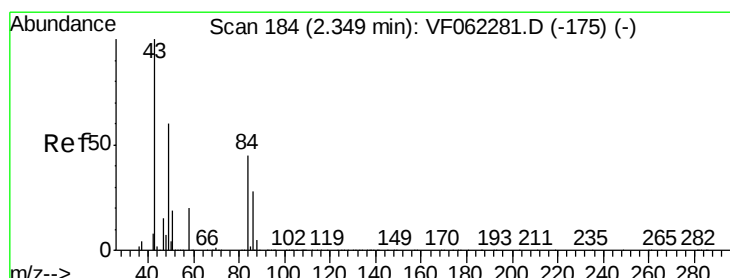
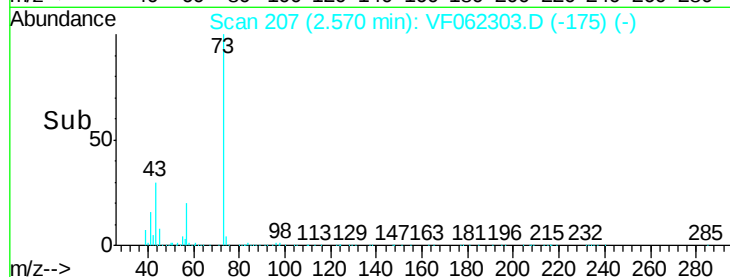
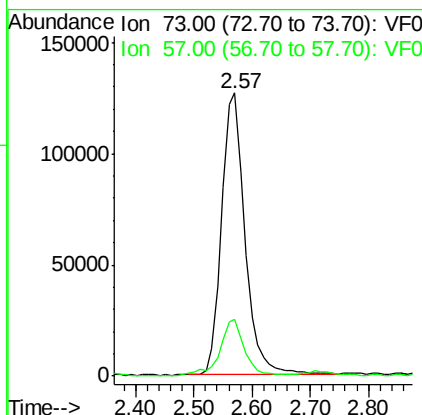
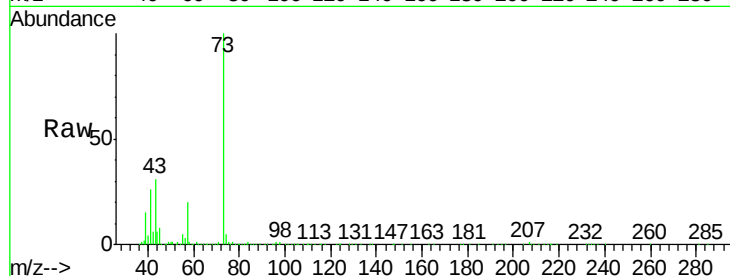
Methyl tert-butyl Ether
 Concen: 53.453 ug/l
 RT: 2.57 min Scan# 207
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.4	15.5	23.3

Manual Integrations
 APPROVED

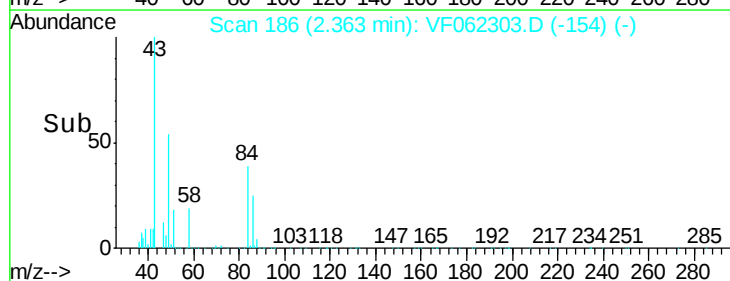
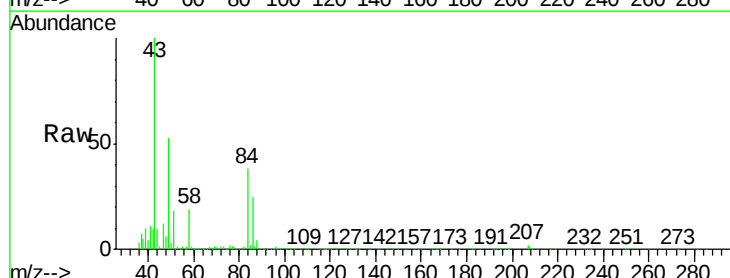
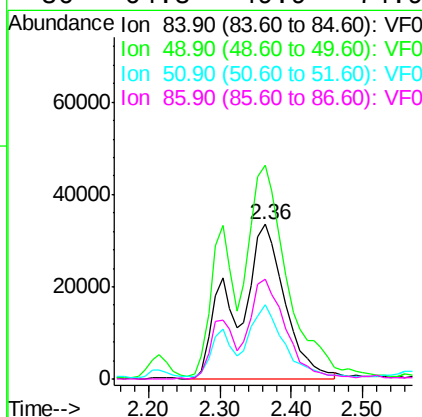
MMDadoda
 4/29/2019 3:59:39 PM

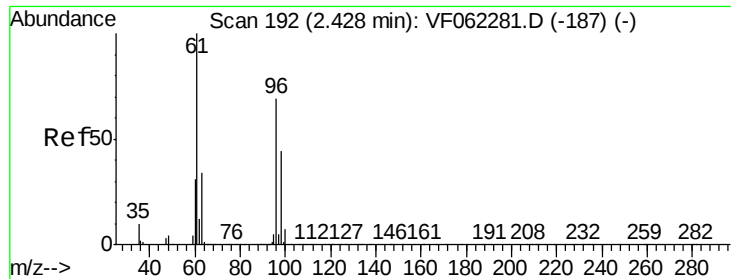


#20

Methylene Chloride
 Concen: 49.955 ug/l m
 RT: 2.36 min Scan# 186
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.4	112.1	168.1
51	48.3	35.9	53.9
86	64.8	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 49.274 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

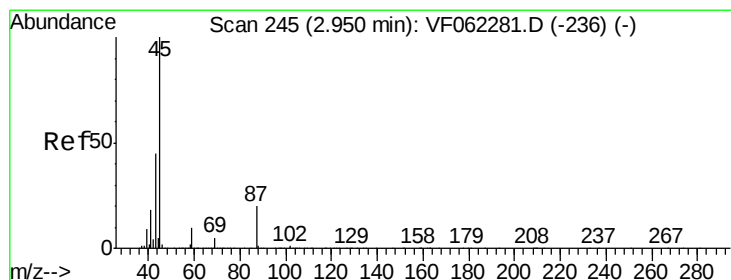
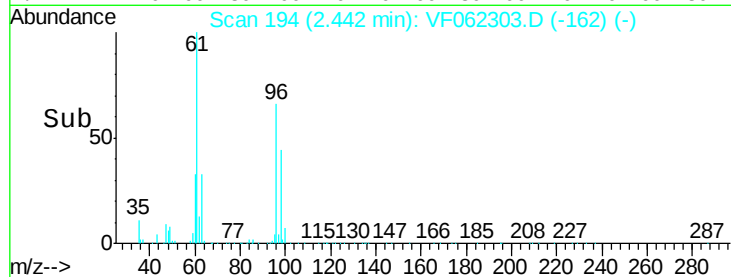
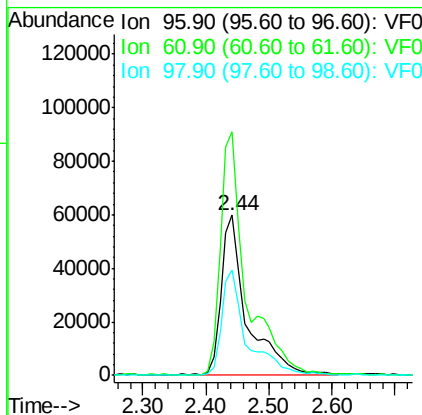
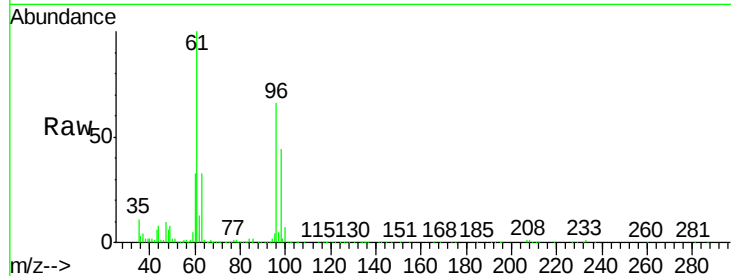
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	169950
Ion Ratio	Lower	Upper	
96	100		
61	152.2	116.2	174.2
98	66.0	51.4	77.0

Manual Integrations
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MMDadoda
4/29/2019 3:59:39 PM



#22

Diisopropyl ether

Concen: 50.086 ug/l

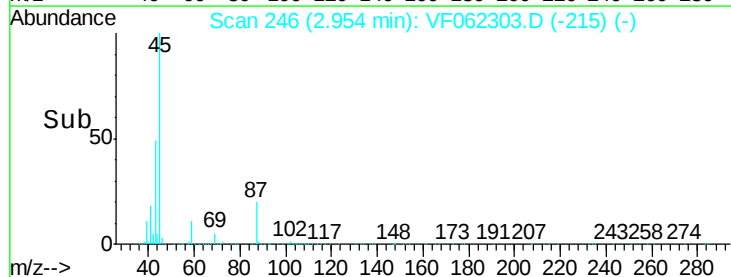
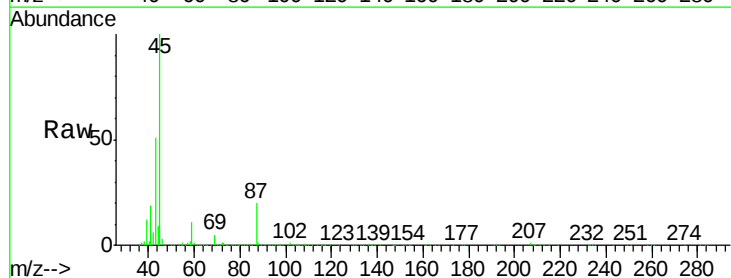
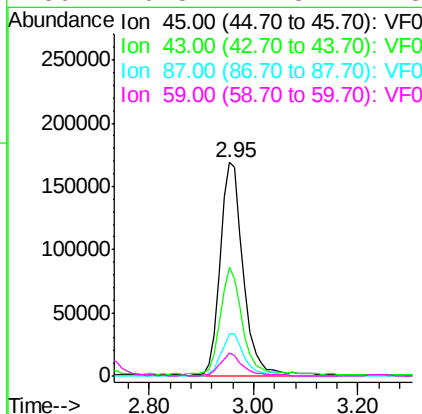
RT: 2.95 min Scan# 246

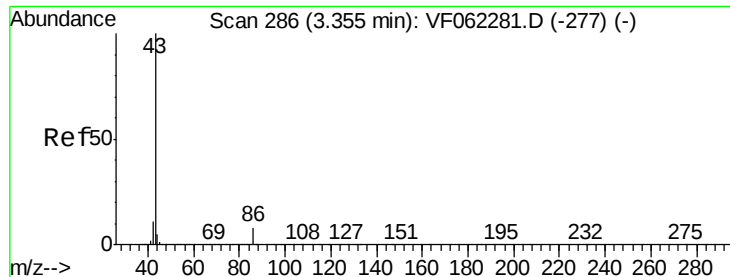
Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion:	45	Resp:	512140
Ion Ratio	Lower	Upper	
45	100		
43	50.1	36.2	54.2
87	20.1	15.8	23.6
59	10.8	7.8	11.8





#23

Vinyl Acetate

Concen: 251.749 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1141504

Ion Ratio Lower Upper

43 100

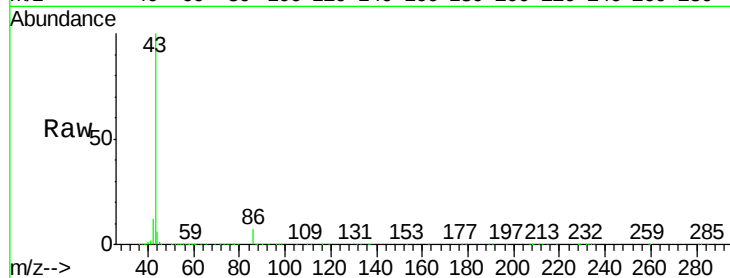
86 6.8 6.0 9.0

Manual Integrations

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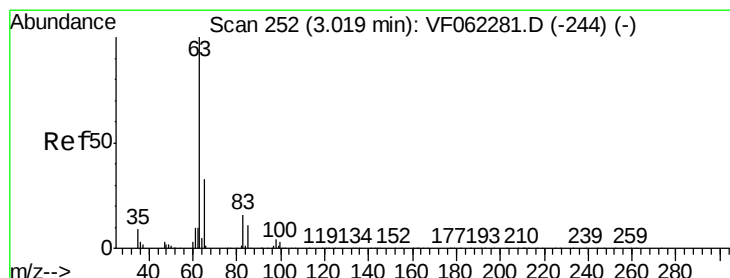
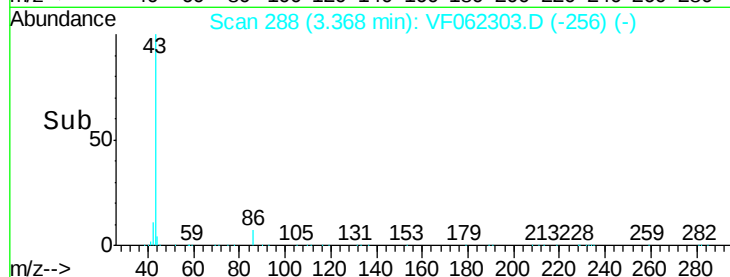
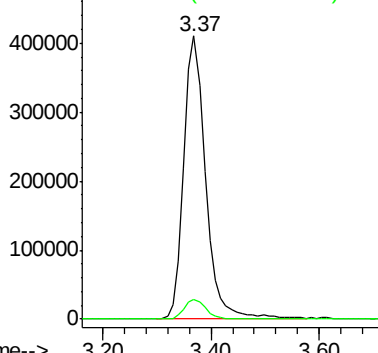
MMDadoda

4/29/2019 3:59:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 51.438 ug/l

RT: 3.03 min Scan# 254

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

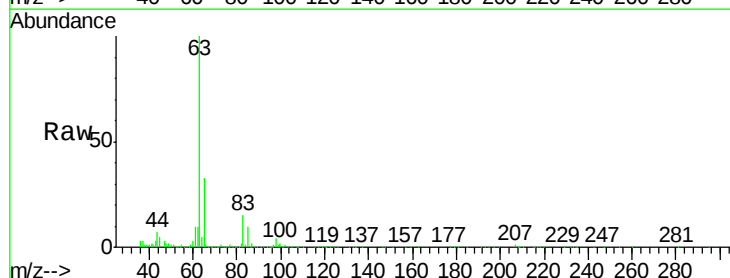
Tgt Ion: 63 Resp: 300200

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.2

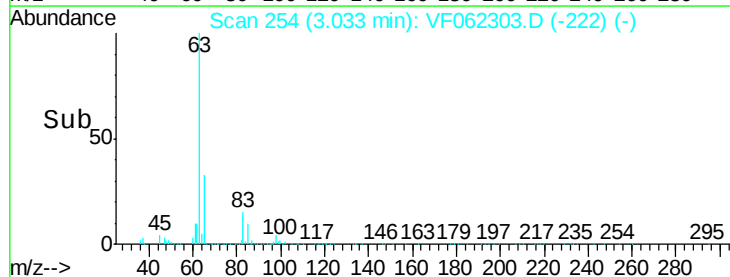
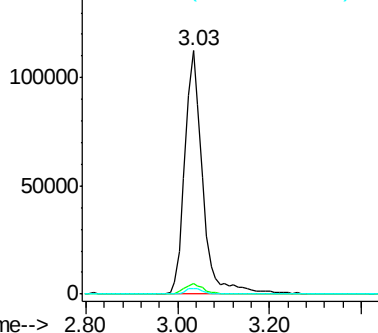
100 2.4 1.5 4.5

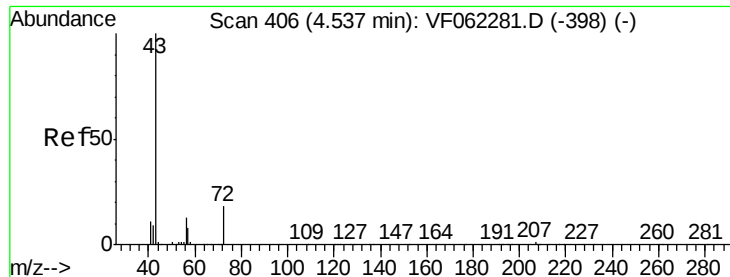


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 248.256 ug/l

RT: 4.55 min Scan# 408

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 295331

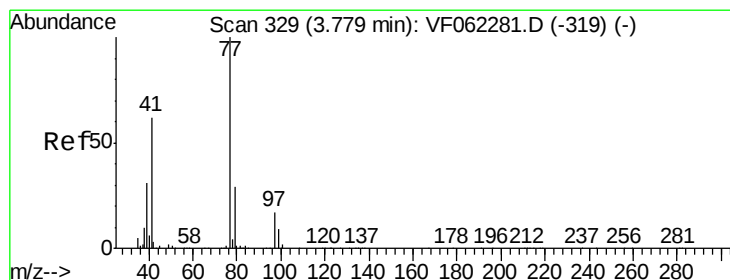
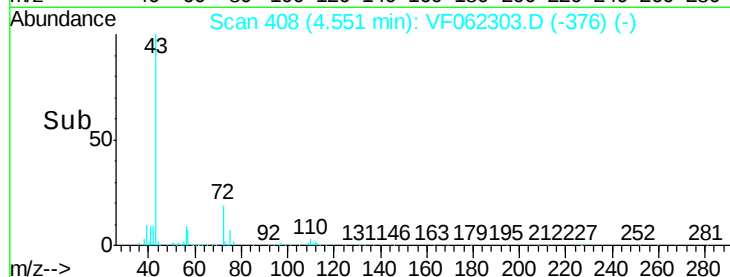
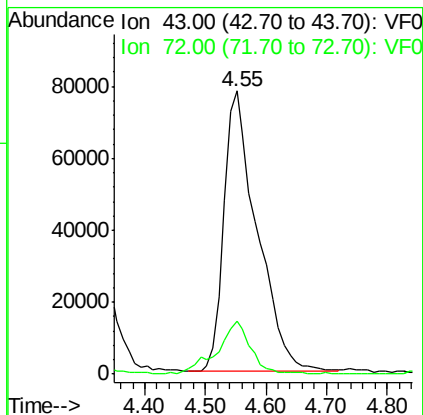
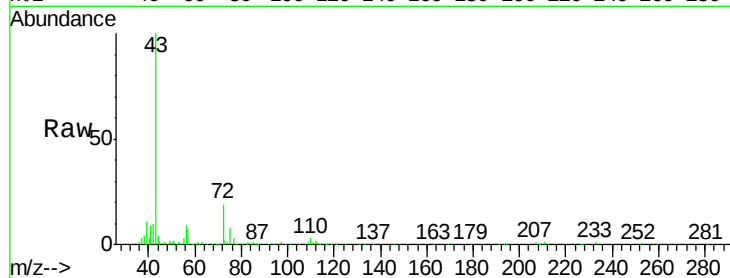
Ion Ratio Lower Upper

43 100

72 18.7 15.8 23.6

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#26

2,2-Dichloropropane

Concen: 53.570 ug/l

RT: 3.80 min Scan# 332

Delta R.T. 0.02 min

Lab File: VF062303.D

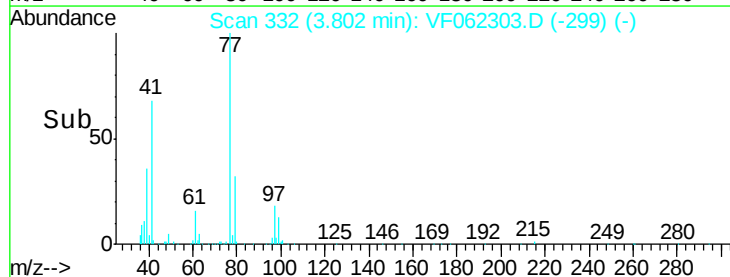
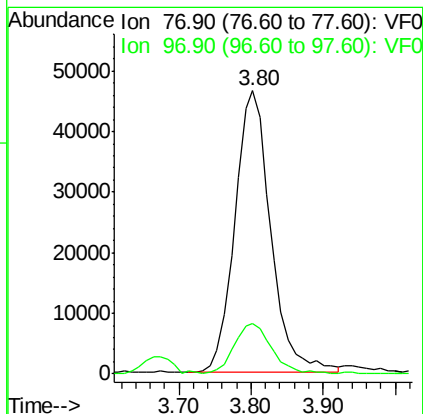
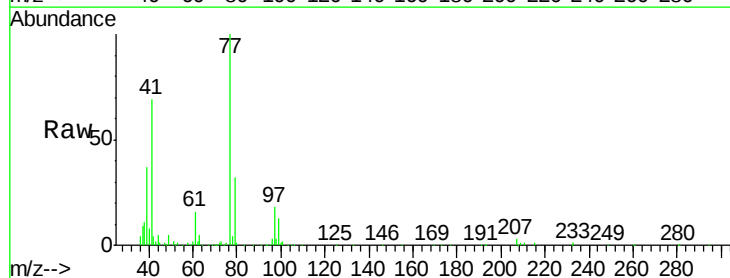
Acq: 26 Apr 2019 12:57

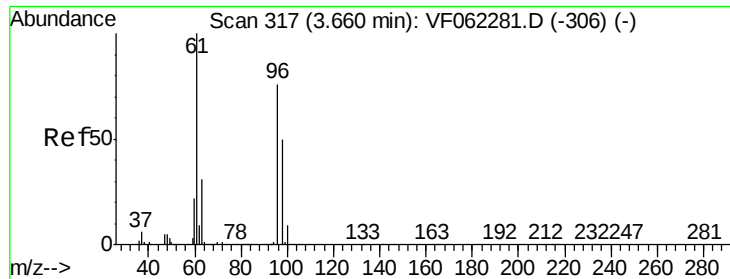
Tgt Ion: 77 Resp: 162355

Ion Ratio Lower Upper

77 100

97 18.6 10.3 30.8





#27

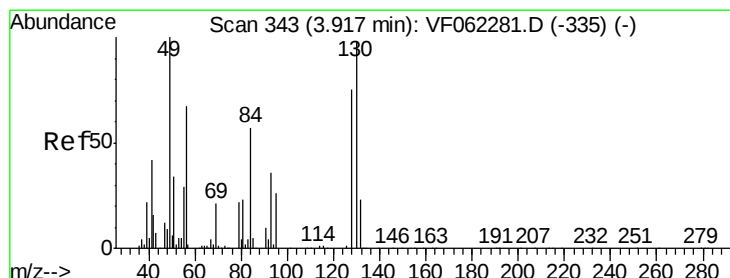
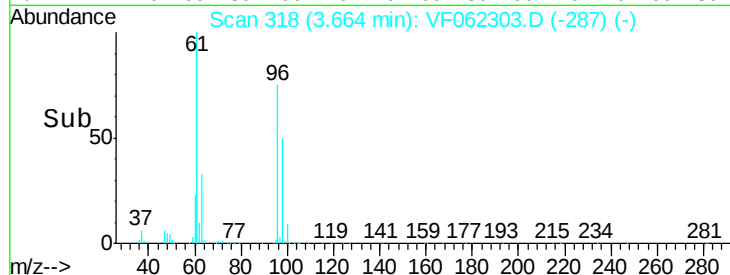
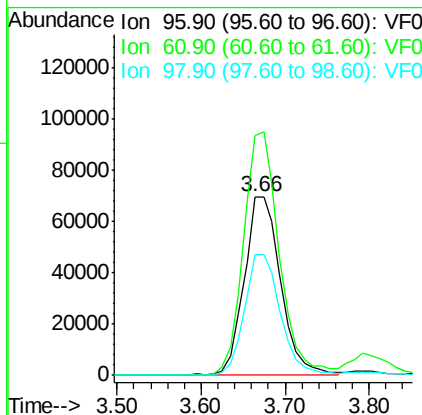
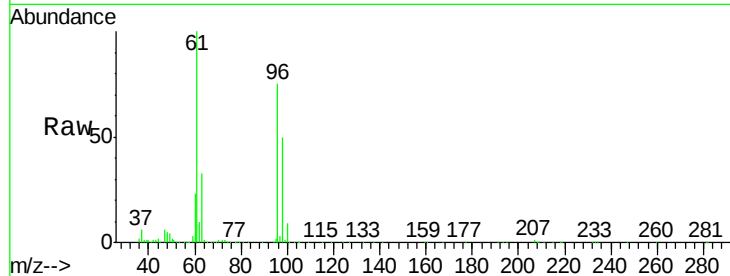
cis-1,2-Dichloroethene
Concen: 47.907 ug/l
RT: 3.66 min Scan# 318
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	209248		
61	134.2	0.0	257.6	
98	67.6	0.0	137.4	

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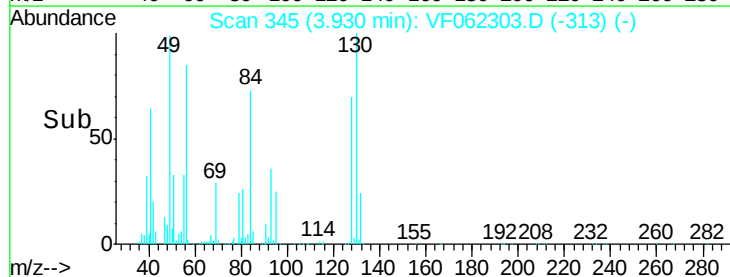
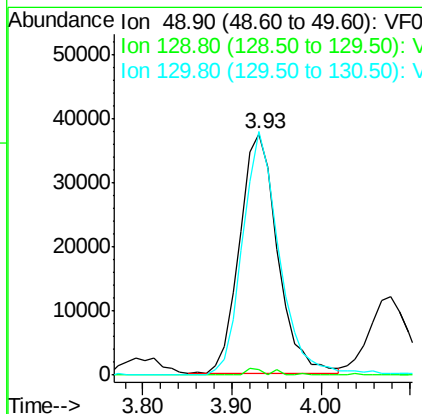
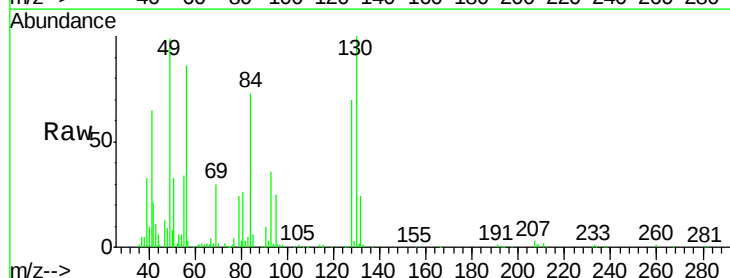
MMDadoda
4/29/2019 3:59:39 PM

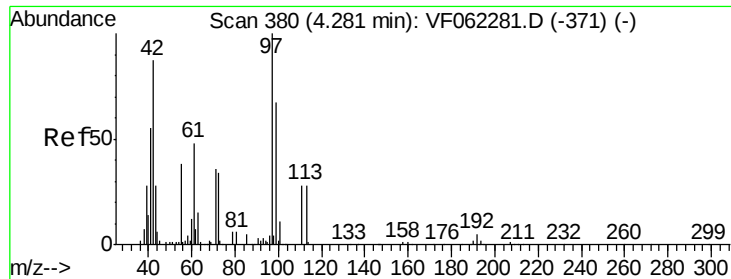


#28

Bromochloromethane
Concen: 44.691 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109911		
129	1.5	0.0	0.0#	
130	99.3	77.0	115.4	





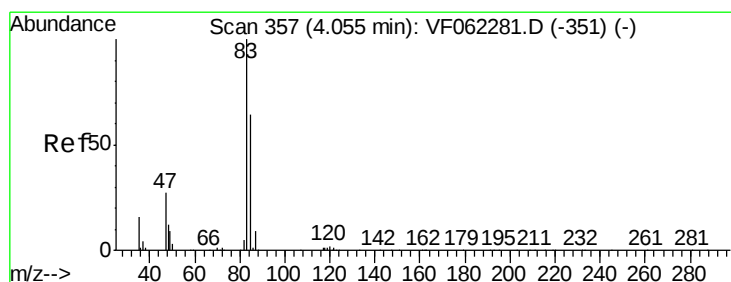
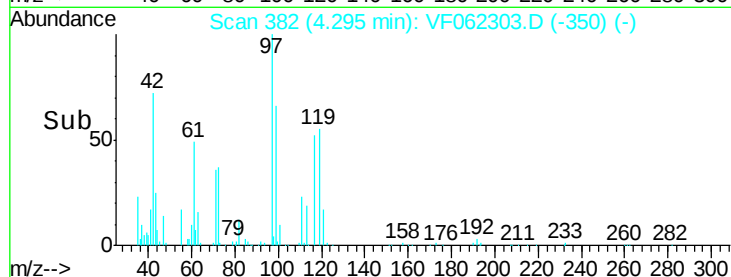
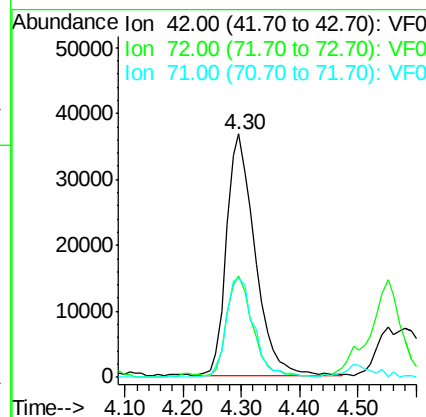
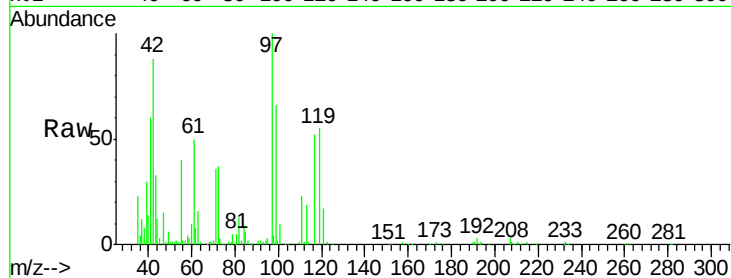
#29
Tetrahydrofuran
Concen: 237.470 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	29.3	43.9
71	40.2	31.2	46.8

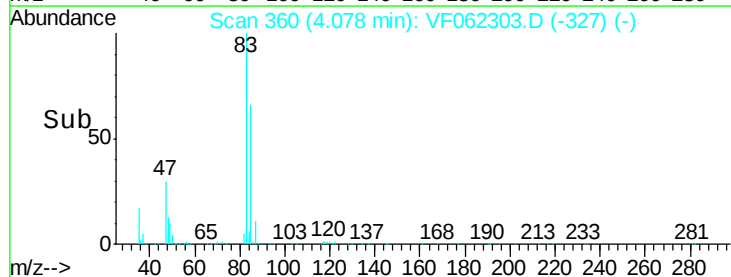
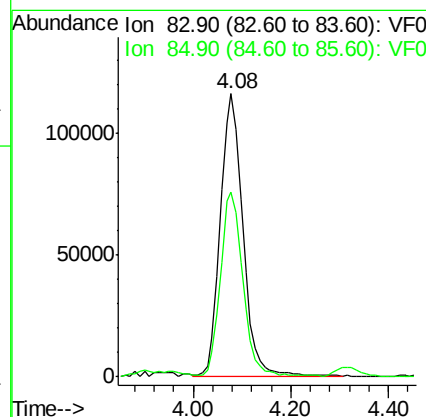
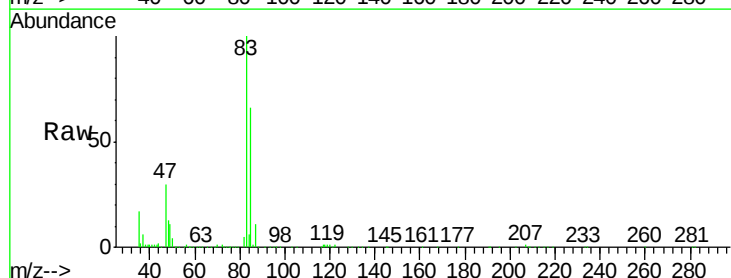
Manual Integrations
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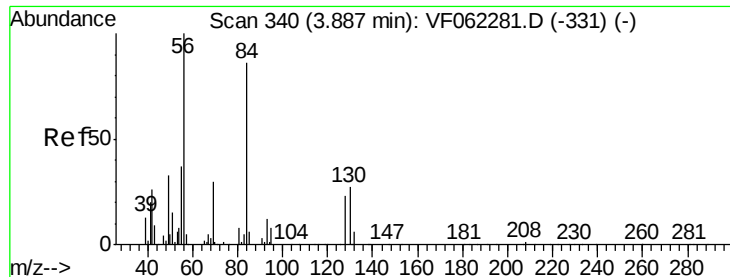
MMDadoda
4/29/2019 3:59:39 PM



#30
Chloroform
Concen: 51.277 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.02 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7





#31

Cyclohexane

Concen: 47.273 ug/l

RT: 3.90 min Scan# 342

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

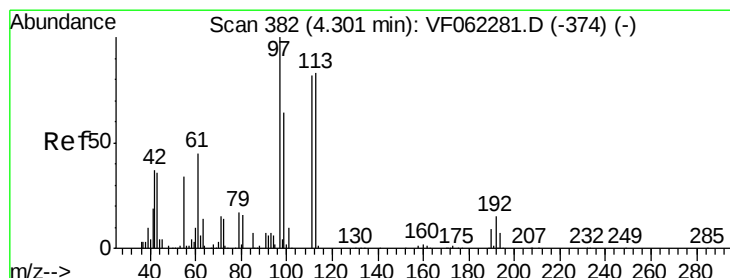
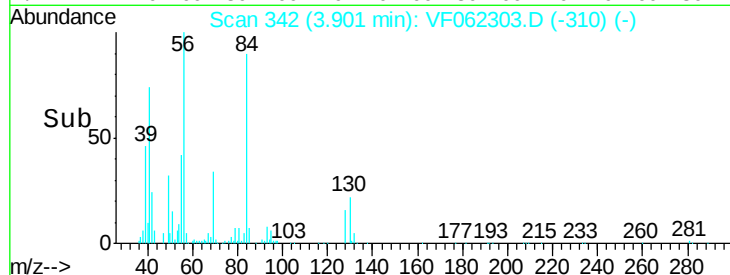
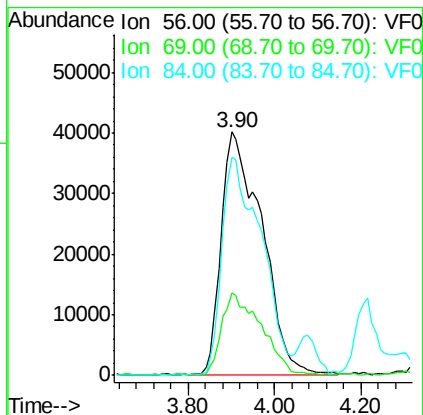
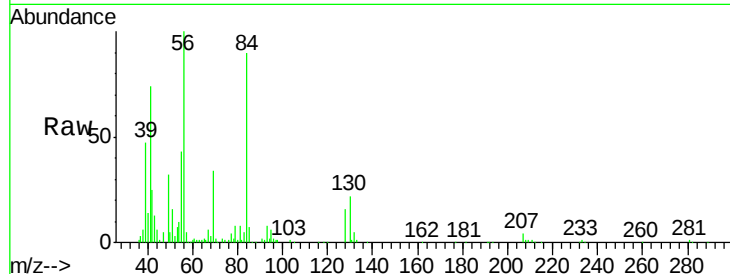
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.5	24.3	36.5	
84	89.6	68.5	102.7	

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#32

1,1,1-Trichloroethane

Concen: 43.979 ug/l

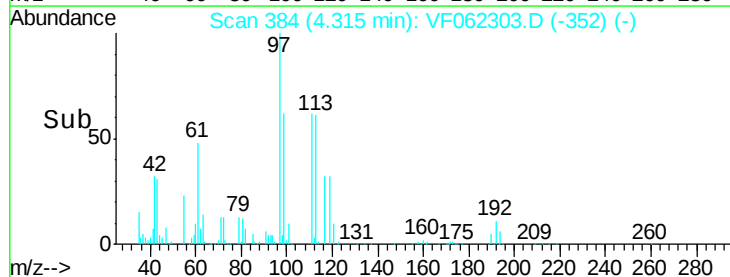
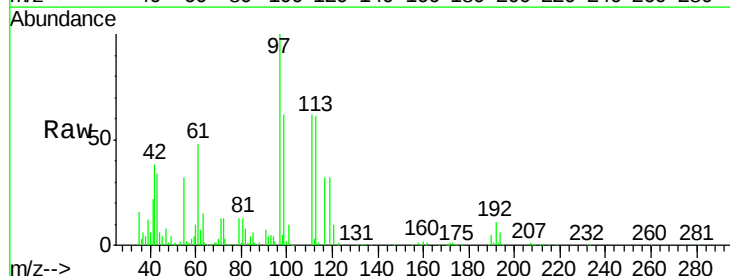
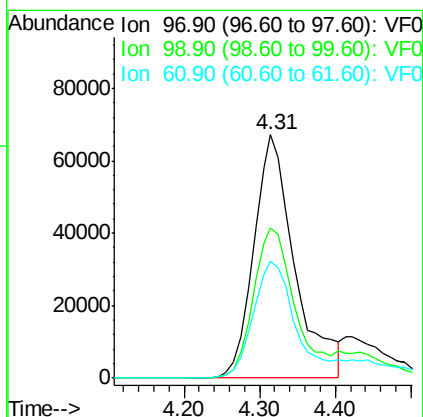
RT: 4.31 min Scan# 384

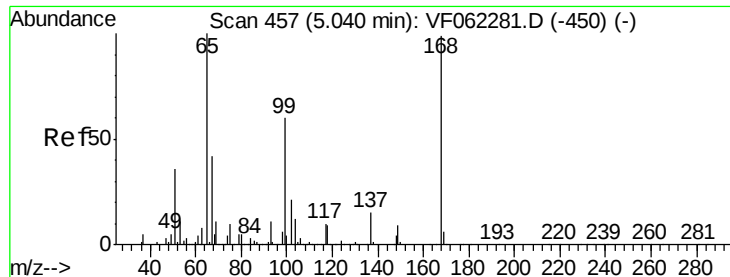
Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.3	41.6	62.4	
61	48.9	31.6	47.4	





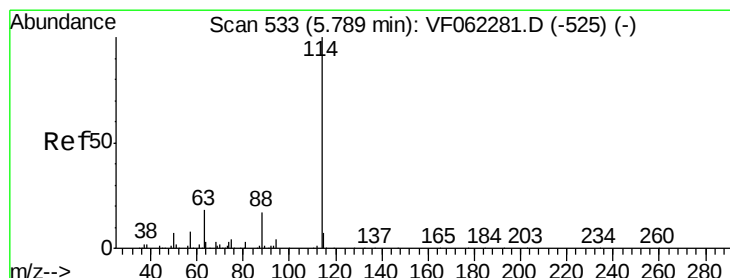
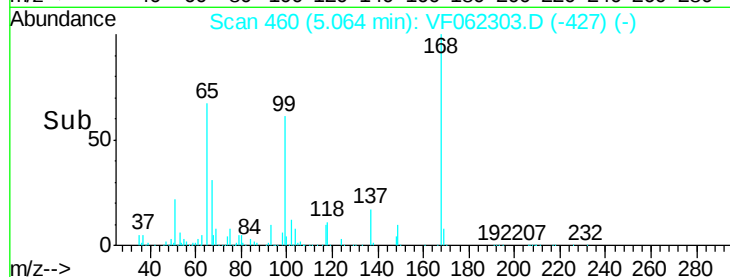
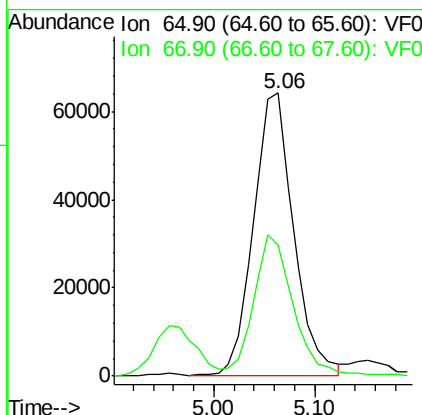
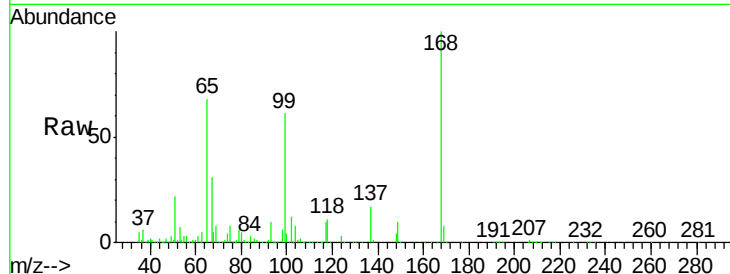
#33
 1,2-Dichloroethane-d4
 Concen: 52.890 ug/l
 RT: 5.06 min Scan# 460
 Delta R.T. 0.02 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177230		
67	48.9	0.0	98.8	

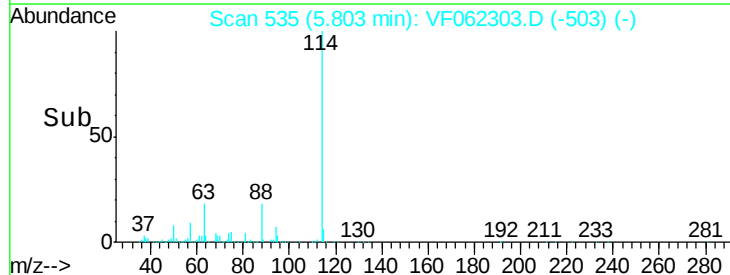
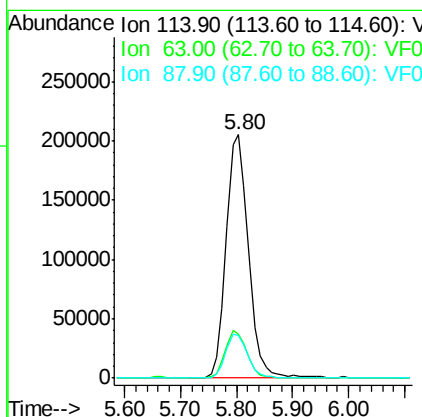
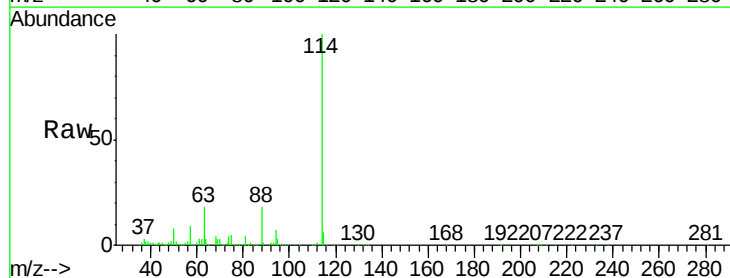
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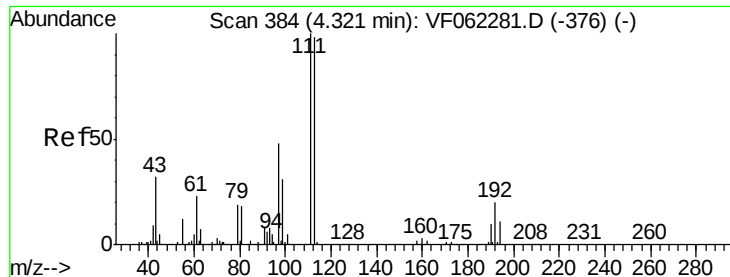
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	566893		
63	18.2	0.0	35.6	
88	17.5	0.0	34.6	





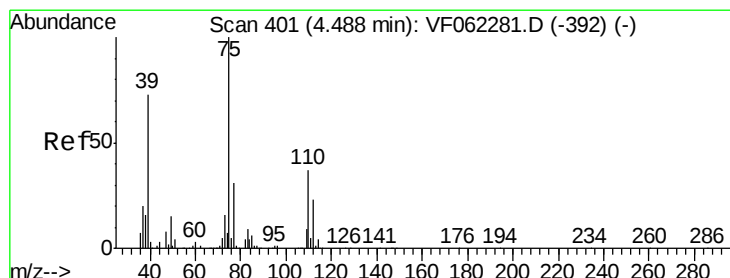
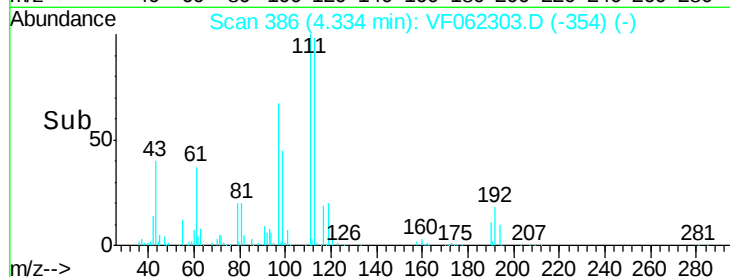
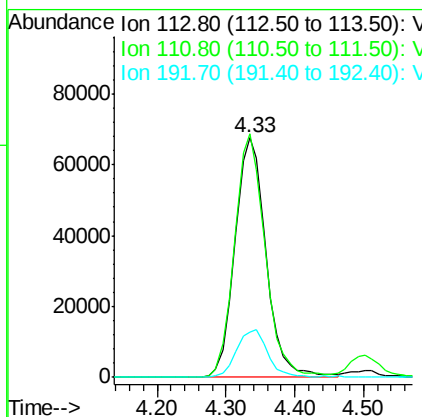
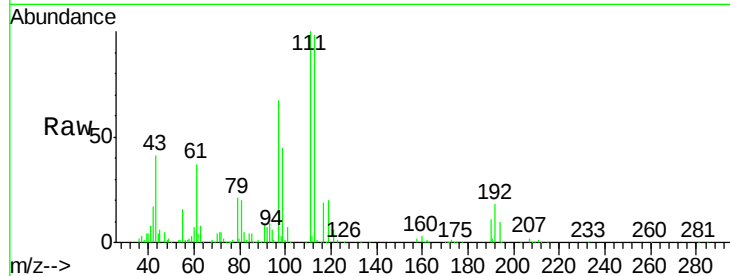
#35
 Dibromofluoromethane
 Concen: 50.350 ug/l
 RT: 4.33 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211633		
111	100.1	81.4	122.2	
192	19.8	17.0	25.4	

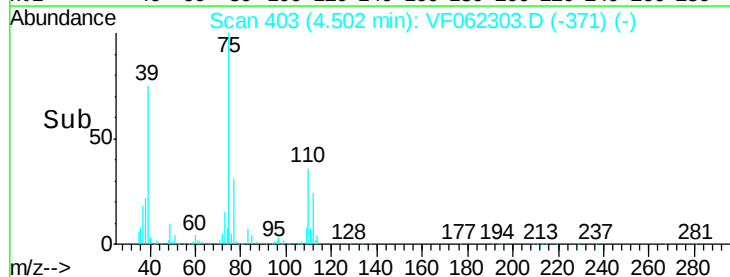
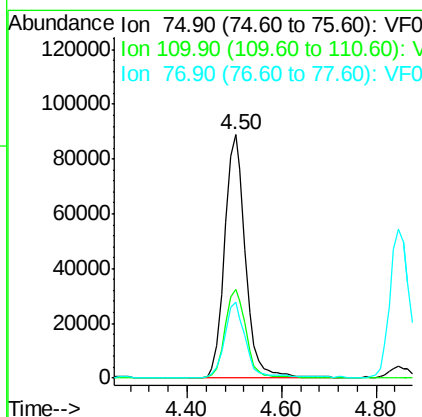
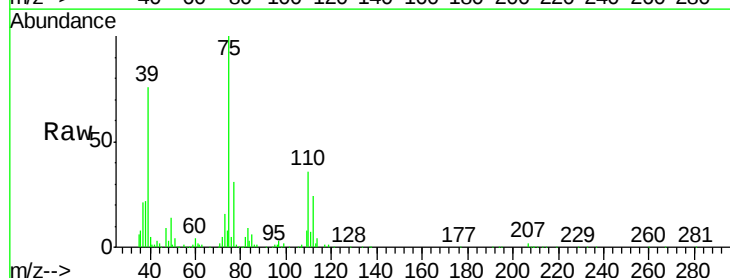
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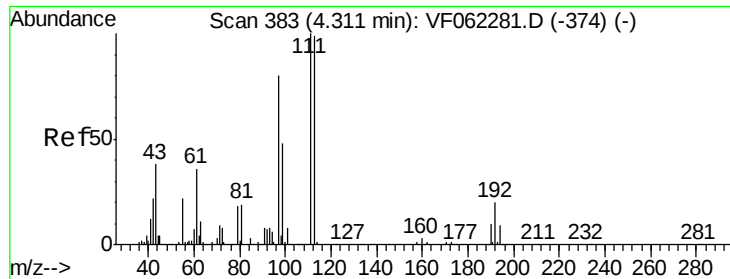
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#36
 1,1-Dichloropropene
 Concen: 51.953 ug/l
 RT: 4.50 min Scan# 403
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	271717		
110	36.5	17.9	53.8	
77	30.6	24.6	36.8	





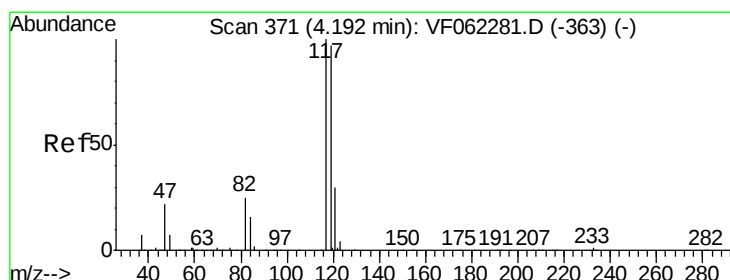
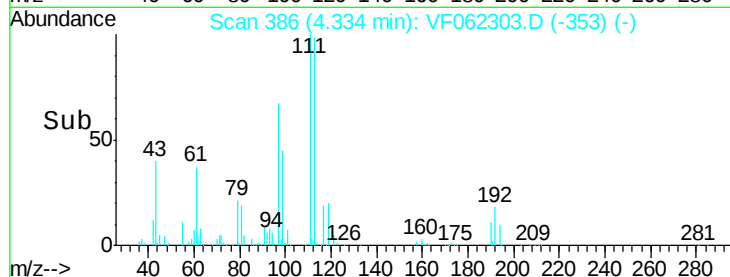
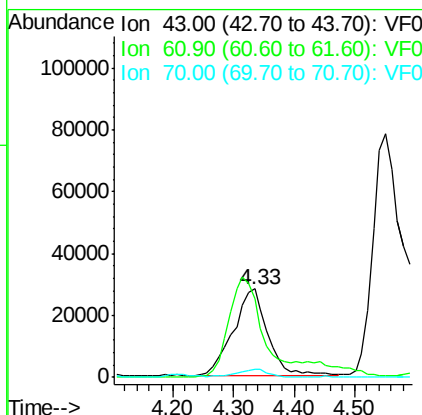
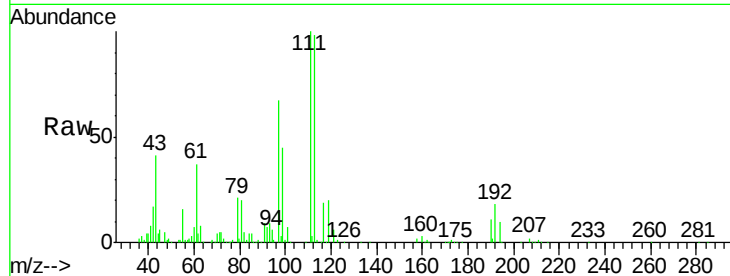
#37
Ethyl Acetate
Concen: 49.555 ug/l
RT: 4.33 min Scan# 386
Delta R.T. 0.02 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Ratio	100	113.4	9.3	Resp	109035	Lower	Upper
43	100										
61		113.4				85.8			128.6		
70			9.3			7.3			10.9		

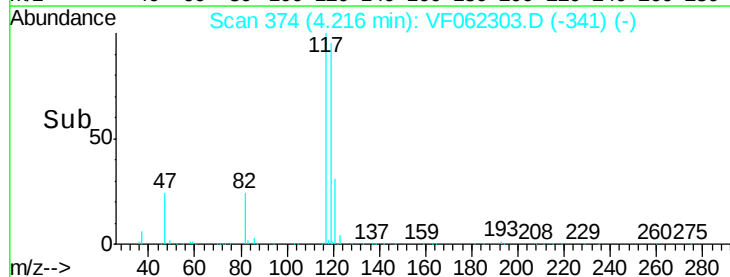
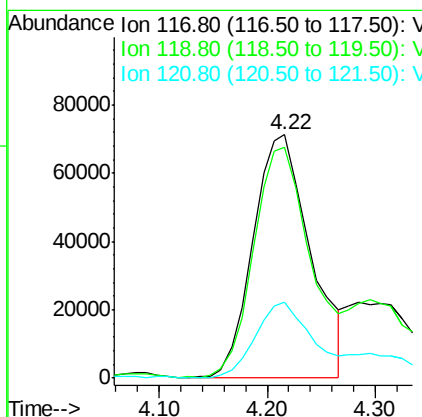
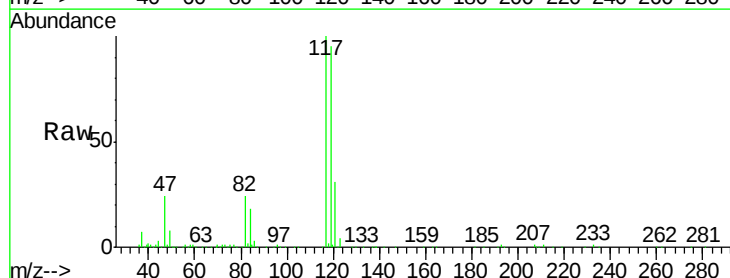
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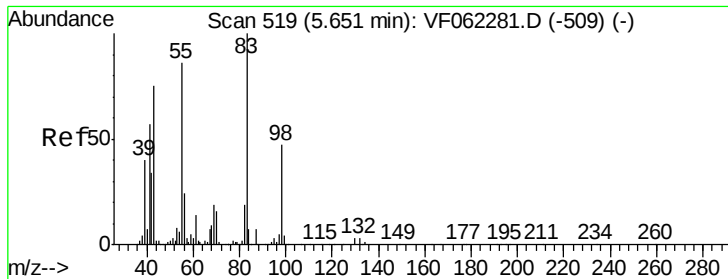
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#38
Carbon Tetrachloride
Concen: 49.381 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.02 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	117	119	121	Ratio	100	94.3	31.3	Resp	262551	Lower	Upper
117	100										
119		94.3				77.3			115.9		
121			31.3			24.3			36.5		





#39

Methylvlcvclohexane

Concen: 51.701 ug/l

RT: 5.66 min Scan# 520

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

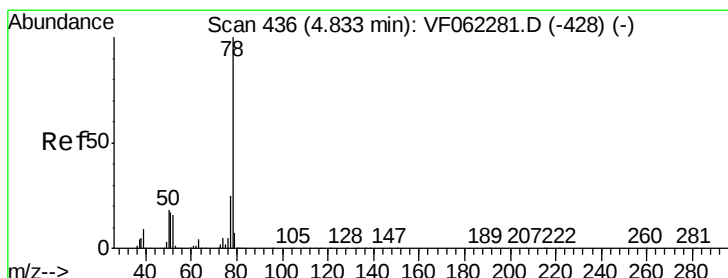
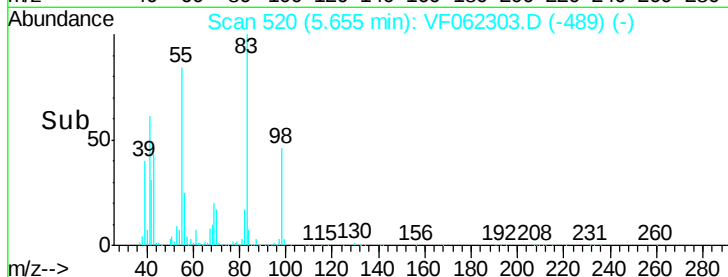
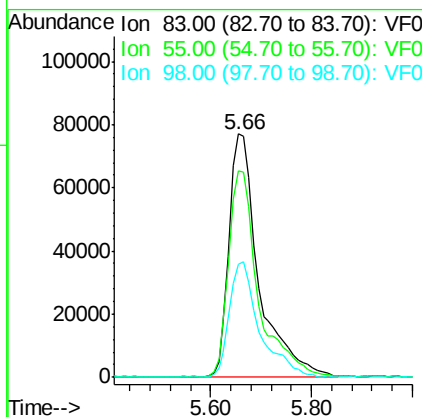
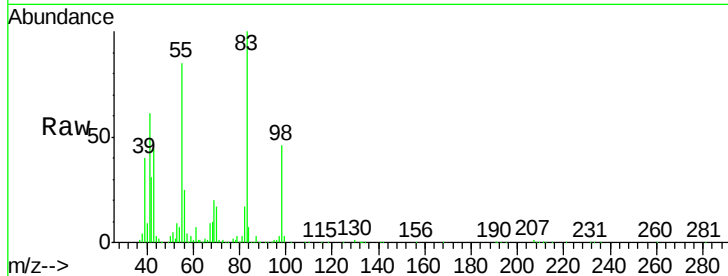
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	315652
Ion	Ratio	Lower	Upper
83	100		
55	84.3	68.7	103.1
98	46.1	37.4	56.2

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#40

Benzene

Concen: 50.362 ug/l

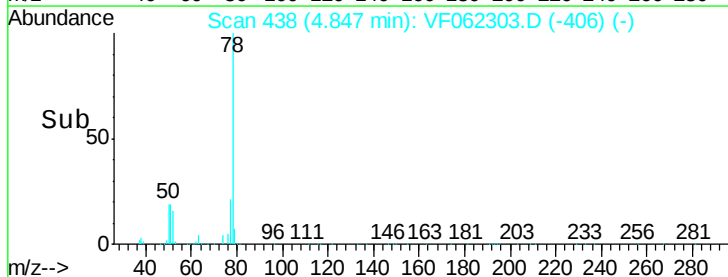
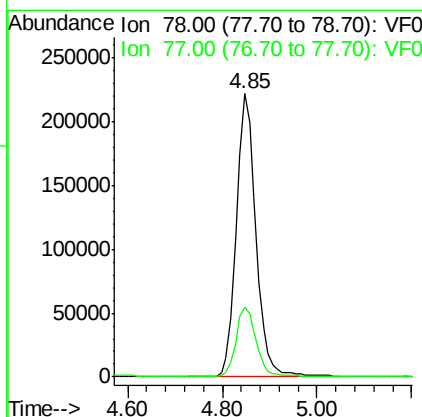
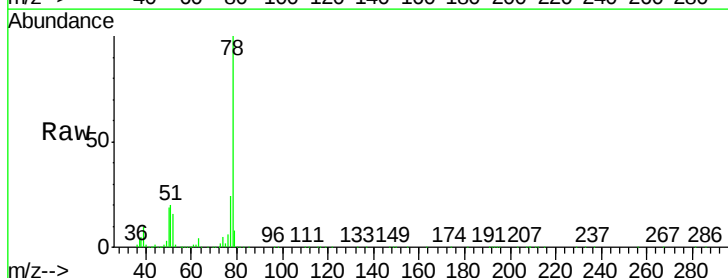
RT: 4.85 min Scan# 438

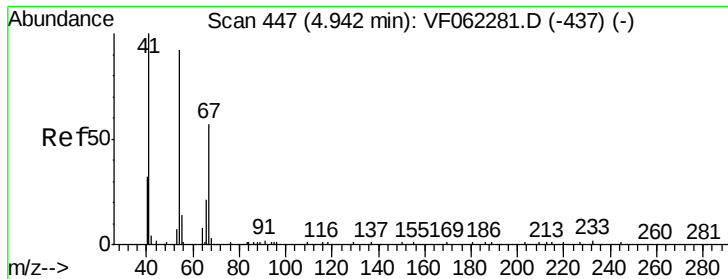
Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion:	78	Resp:	636380
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.7	29.5





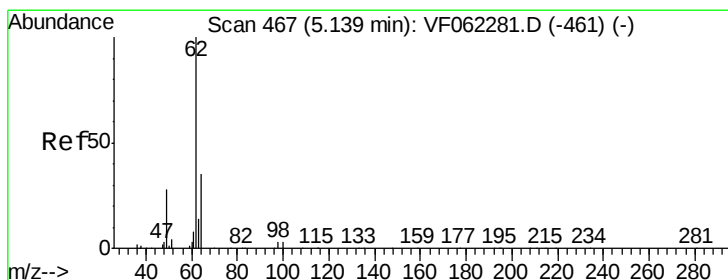
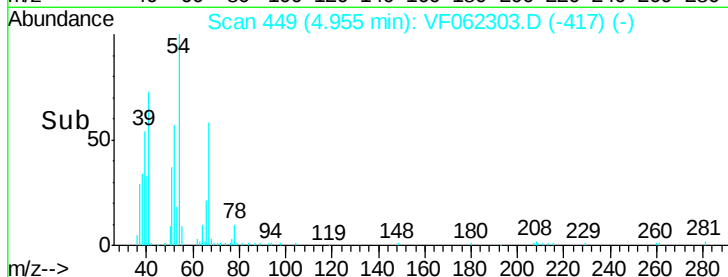
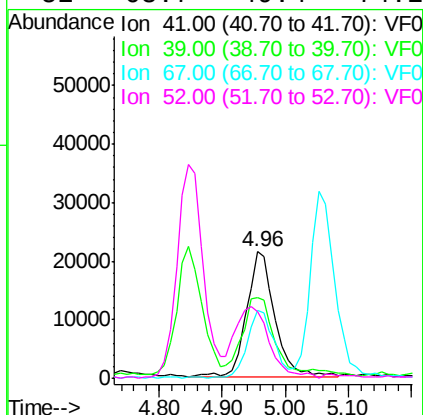
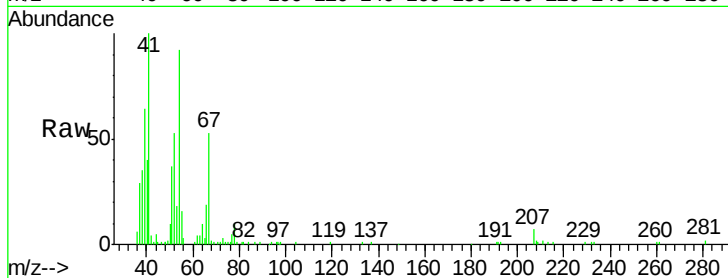
#41
Methacrylonitrile
Concen: 54.304 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.9	47.3	70.9	
67	51.1	41.3	61.9	
52	68.7	49.4	74.2	

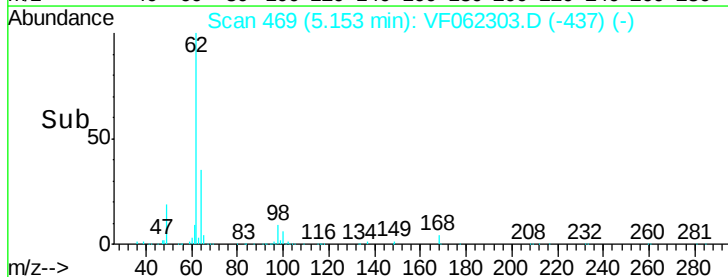
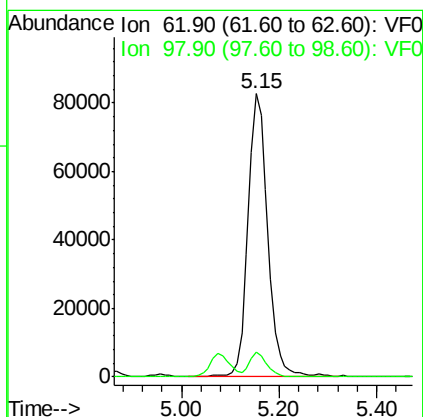
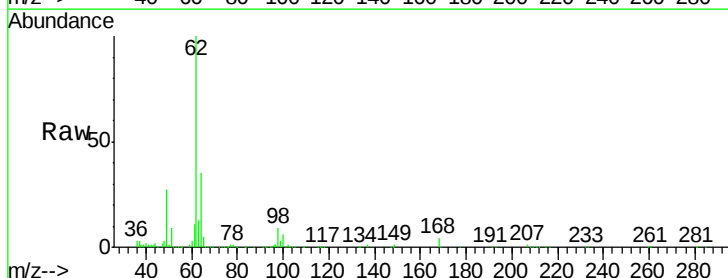
Manual Integrations
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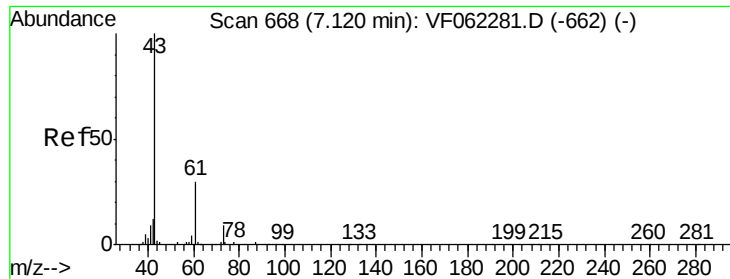
MMDadoda
4/29/2019 3:59:39 PM



#42
1,2-Dichloroethane
Concen: 58.386 ug/l
RT: 5.15 min Scan# 469
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	16.8	





#43

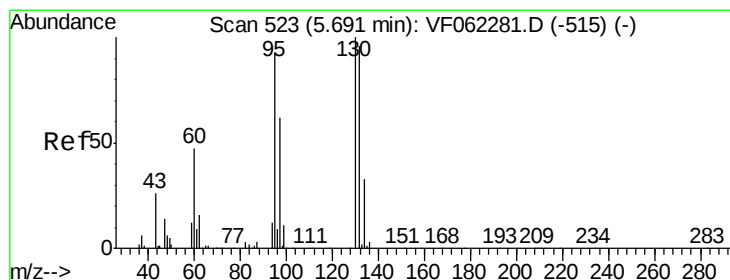
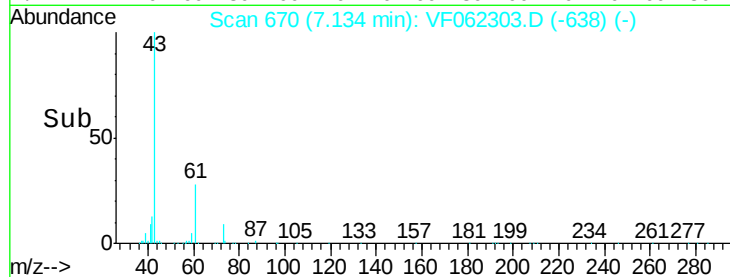
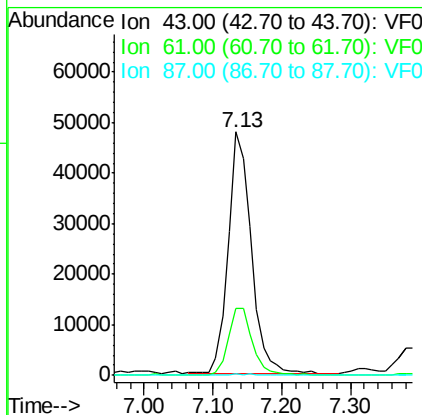
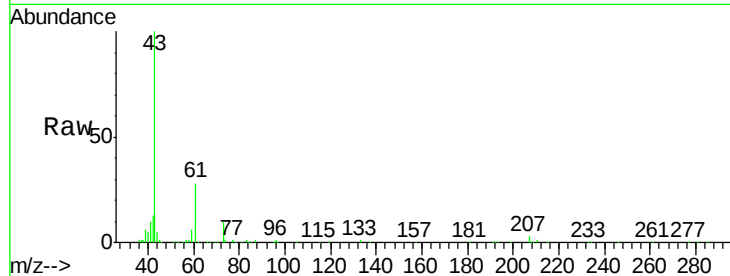
Isopropyl Acetate
 Concen: 49.273 ug/l
 RT: 7.13 min Scan# 670
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.8	35.6
87	0.5	0.5	0.7#

Manual Integrations
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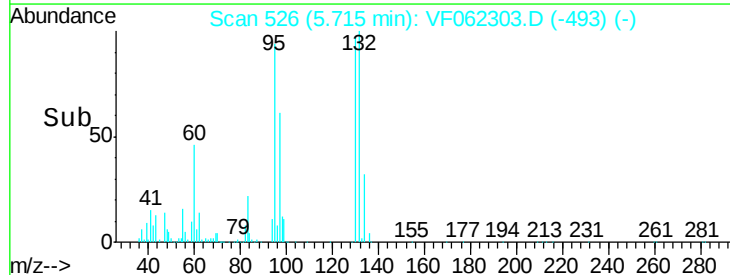
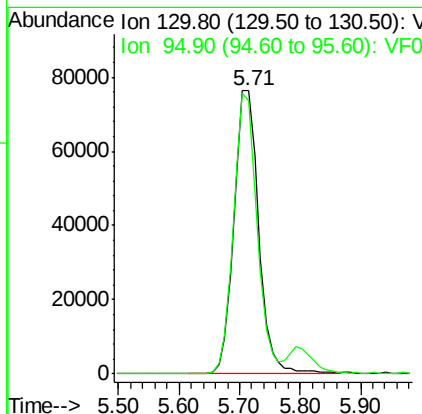
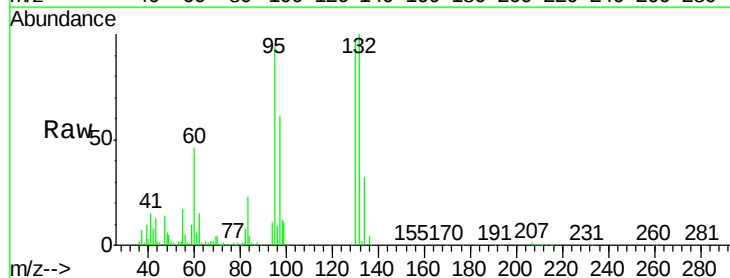
MMDadoda
 4/29/2019 3:59:39 PM

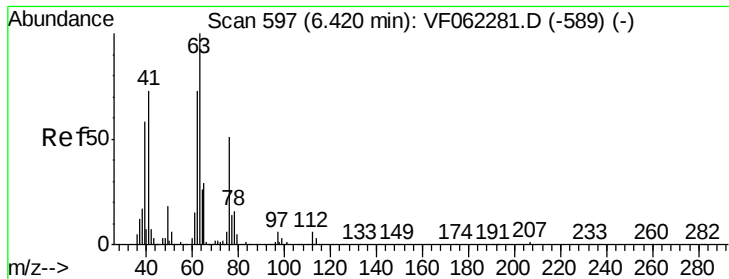


#44

Trichloroethene
 Concen: 50.994 ug/l
 RT: 5.71 min Scan# 526
 Delta R.T. 0.02 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	186.4





#45

1,2-Dichloropropane

Concen: 52.024 ug/l

RT: 6.43 min Scan# 599

Delta R.T. 0.01 min

Lab File: VF062303.D

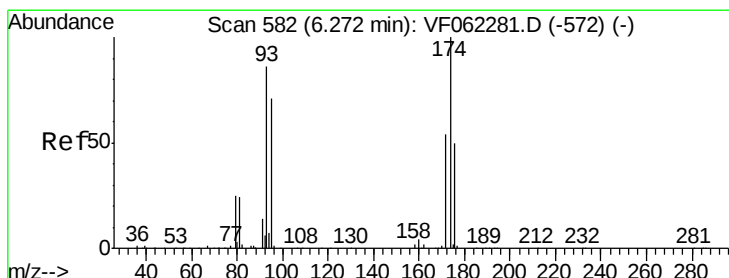
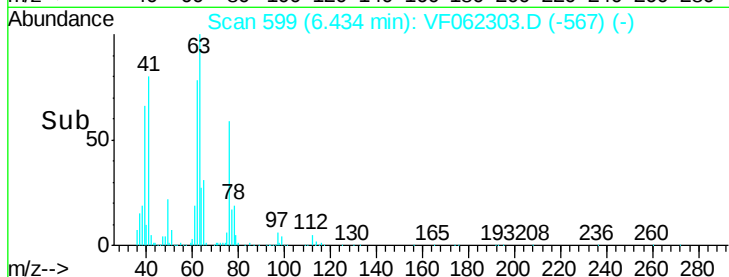
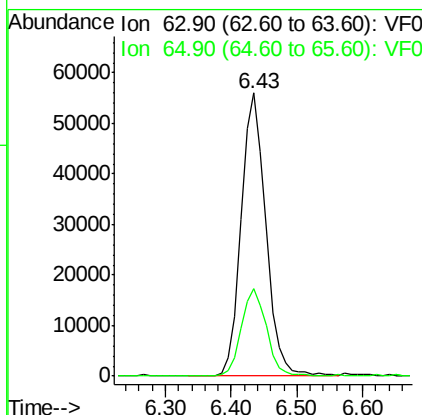
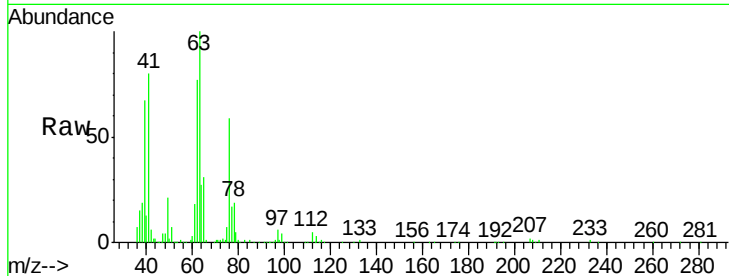
Acq: 26 Apr 2019 12:57

Tot Ion:	63	Resp:	148218
Ion Ratio	Lower	Upper	
63	100		
65	30.8	23.5	35.3

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
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MMDadoda
4/29/2019 3:59:39 PM



#46

Dibromomethane

Concen: 58.652 ug/l

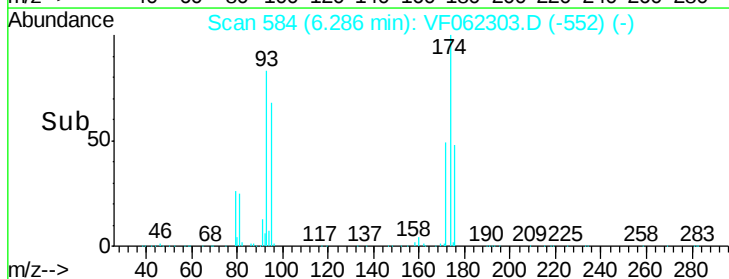
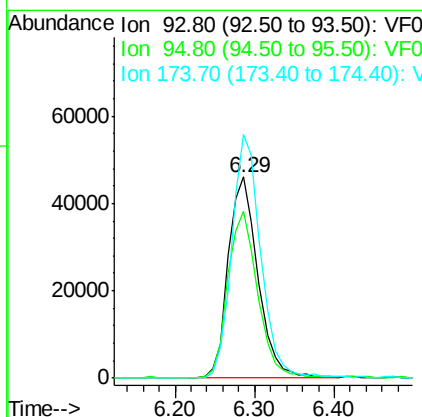
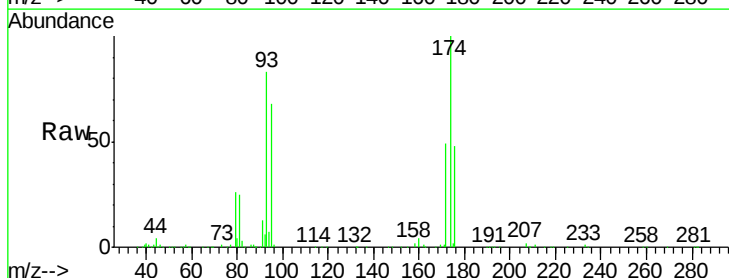
RT: 6.29 min Scan# 584

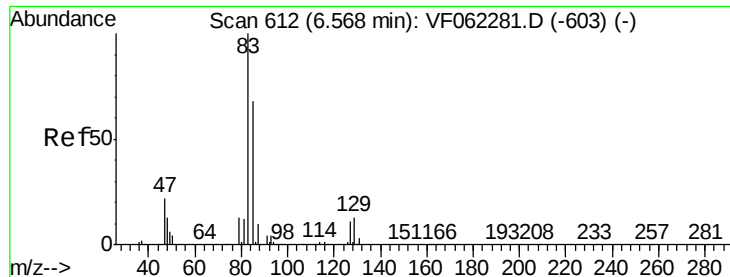
Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion:	93	Resp:	120659
Ion Ratio	Lower	Upper	
93	100		
95	83.9	66.2	99.4
174	118.0	94.9	142.3





#47

Bromodichloromethane

Concen: 57.438 ug/l

RT: 6.58 min Scan# 614

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

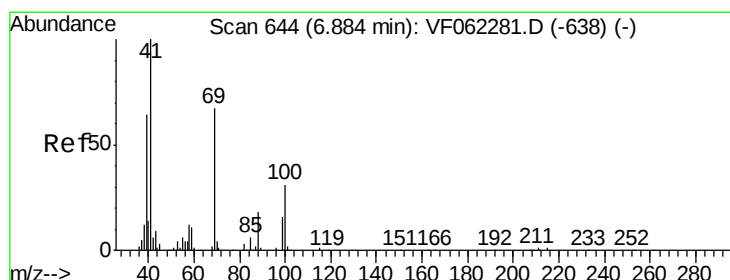
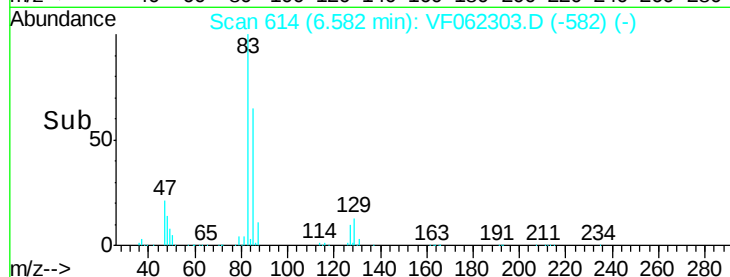
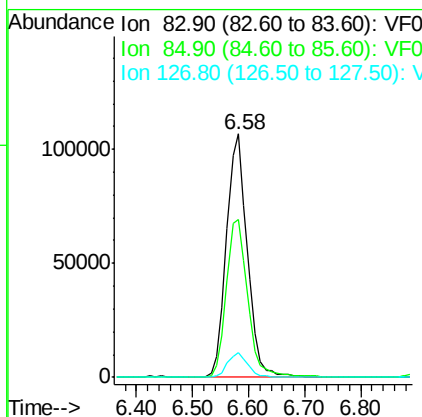
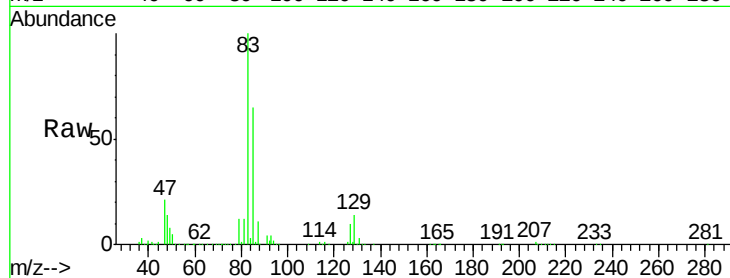
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	277783
Ion Ratio	Lower	Upper	
83	100		
85	64.6	54.6	81.8
127	10.3	8.7	13.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.749 ug/l

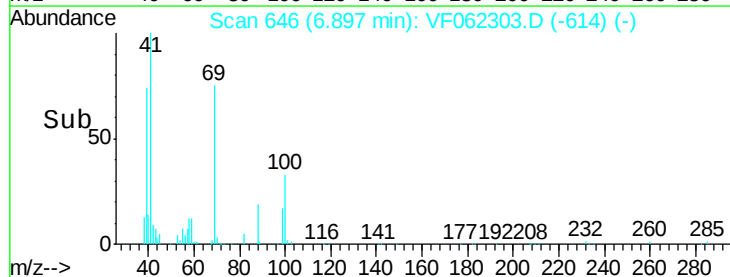
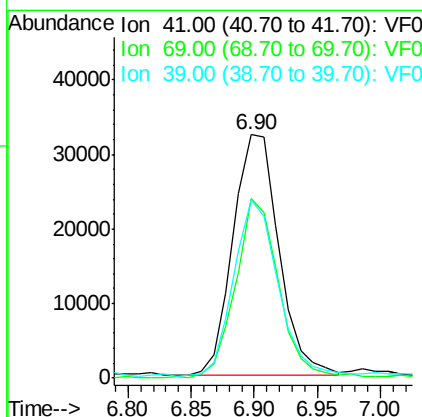
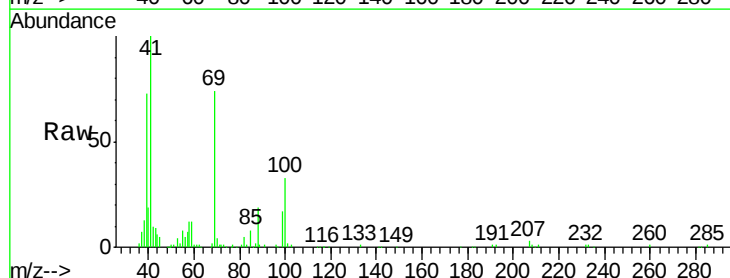
RT: 6.90 min Scan# 646

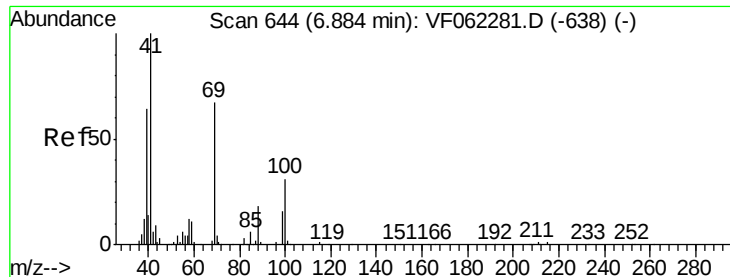
Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion:	41	Resp:	81808
Ion Ratio	Lower	Upper	
41	100		
69	70.6	53.4	80.2
39	70.4	50.9	76.3





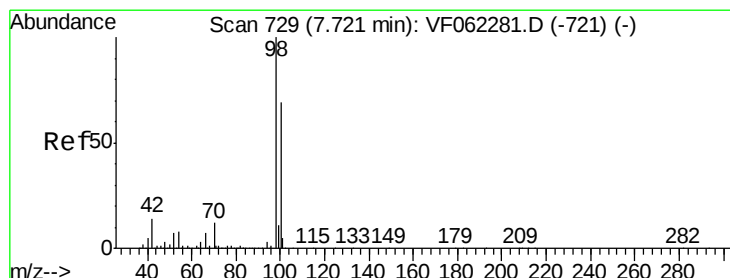
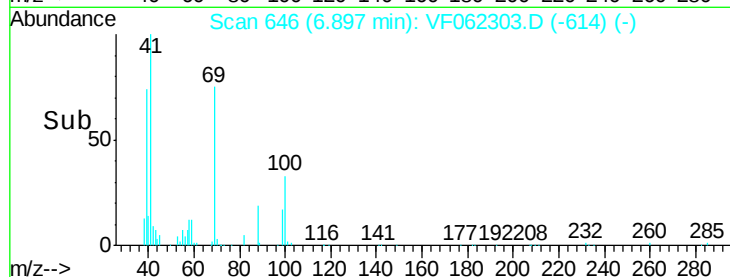
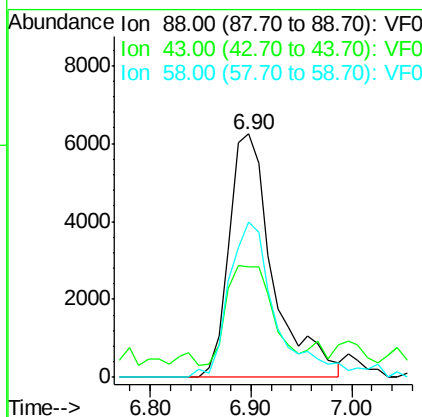
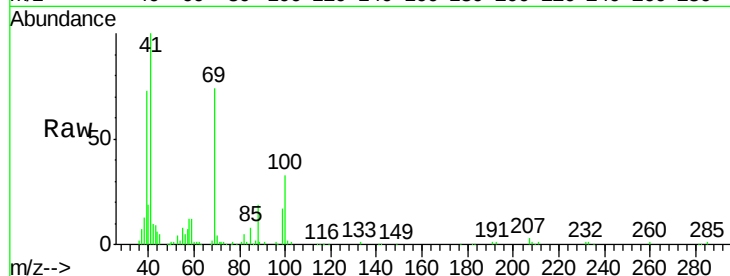
#49
1,4-Dioxane
Concen: 1020.456 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	42.5		34.2	51.4
58	70.0		50.7	76.1

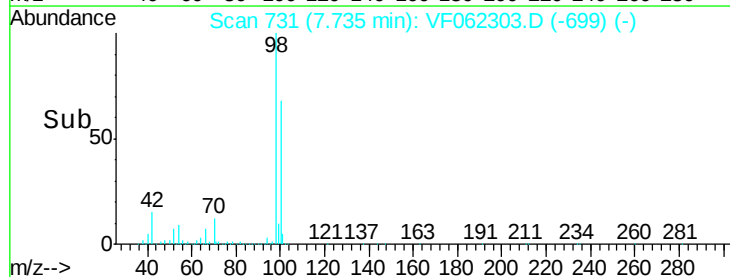
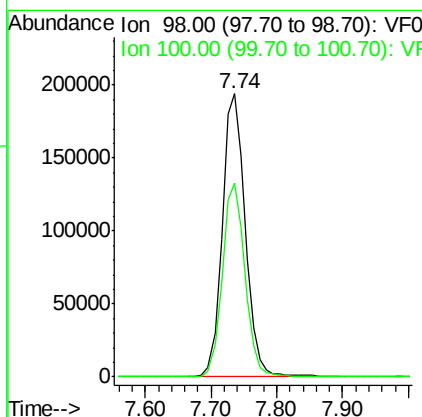
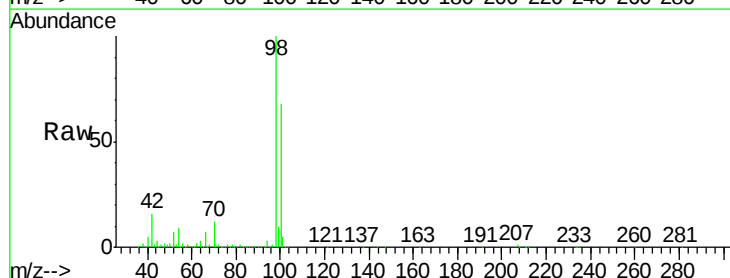
Manual Integrations
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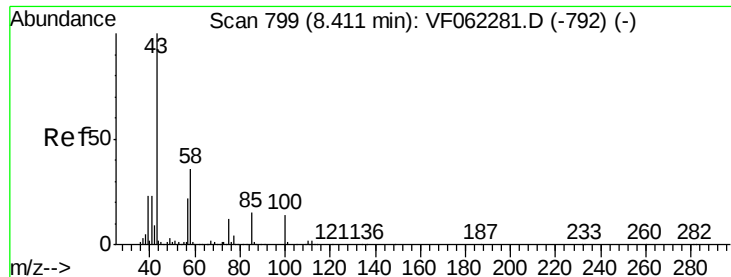
MMDadoda
4/29/2019 3:59:39 PM



#50
Toluene-d8
Concen: 46.094 ug/l
RT: 7.74 min Scan# 731
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	67.1		54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 236.840 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 410596

Ion Ratio Lower Upper

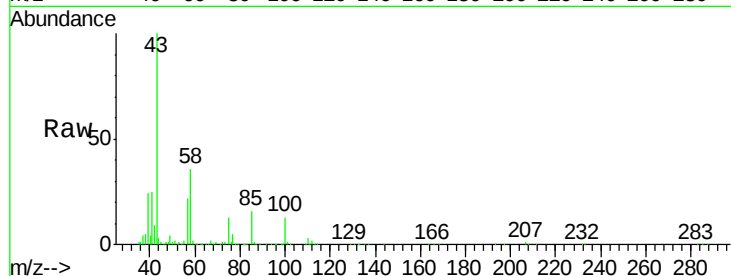
43 100

58 36.2 29.1 43.7

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.43

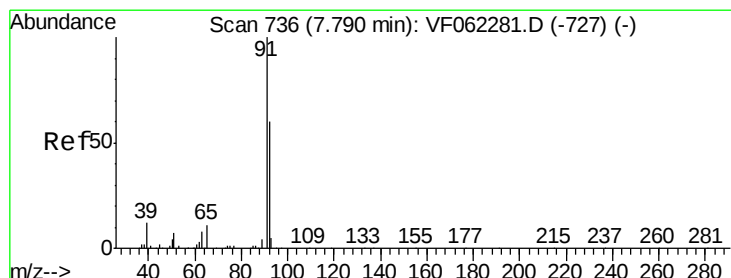
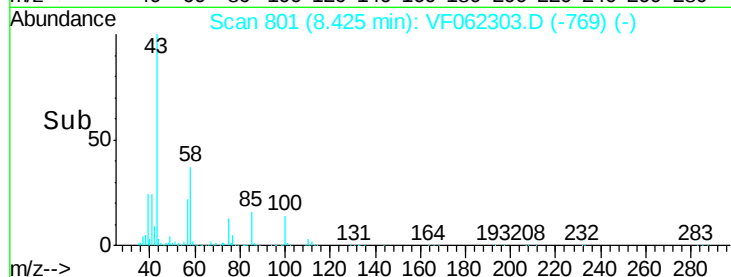
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 46.497 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF062303.D

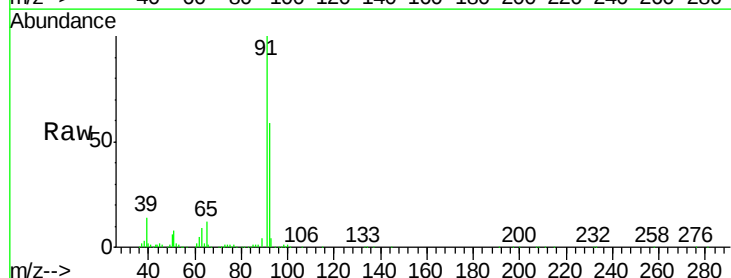
Acq: 26 Apr 2019 12:57

Tgt Ion: 92 Resp: 339029

Ion Ratio Lower Upper

92 100

91 169.1 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.80

250000

200000

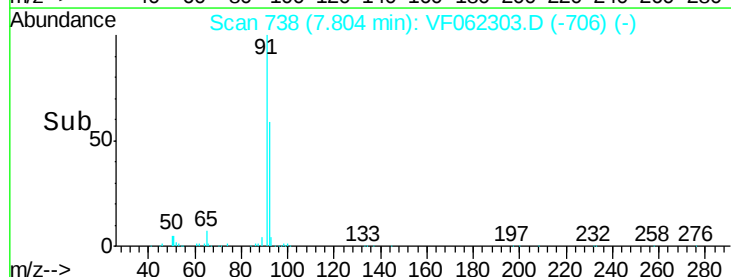
150000

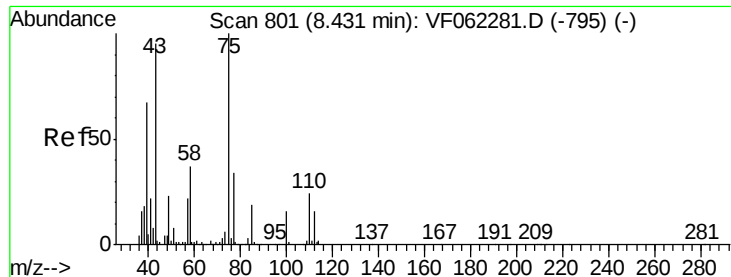
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.935 ug/l

RT: 8.44 min Scan# 803

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 184693

Ion Ratio Lower Upper

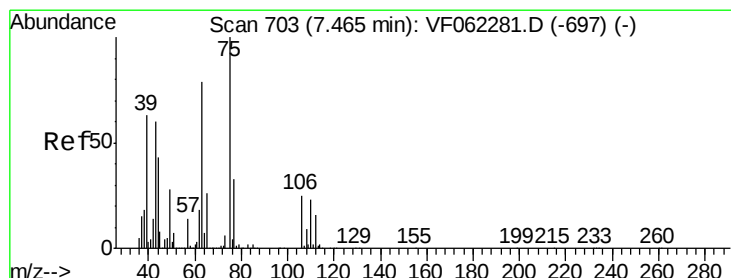
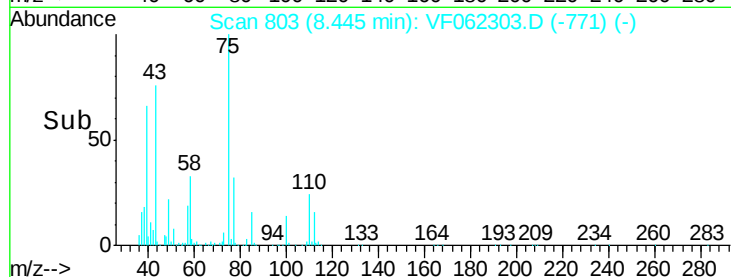
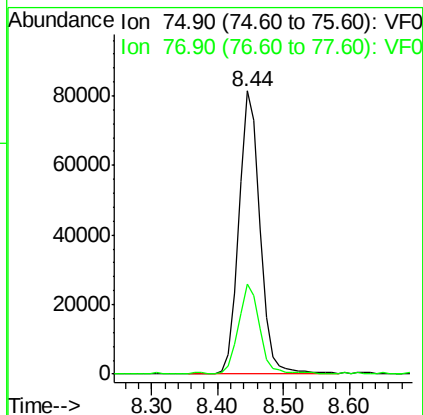
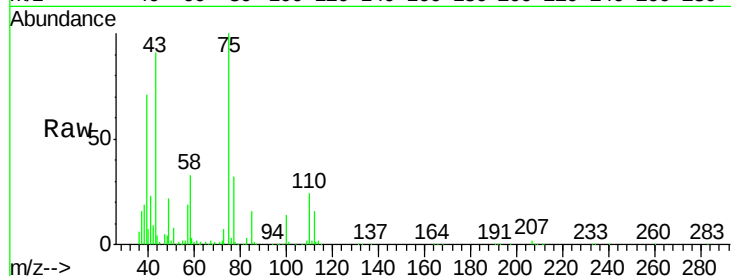
75 100

77 31.6 26.9 40.3

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#54

cis-1,3-Dichloropropene

Concen: 50.255 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

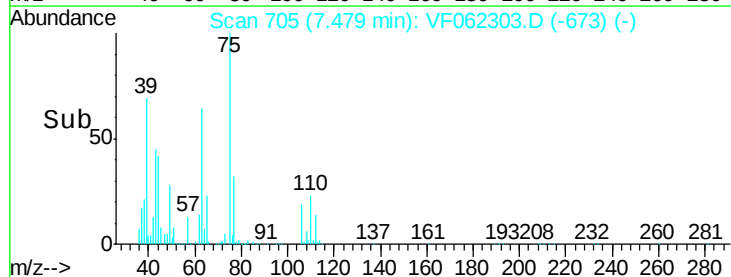
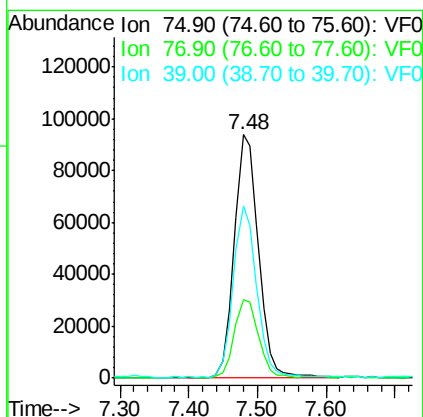
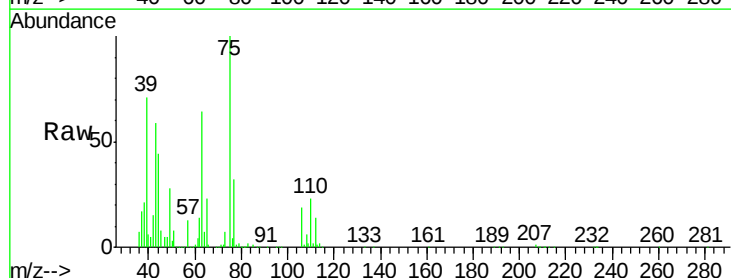
Tgt Ion: 75 Resp: 228953

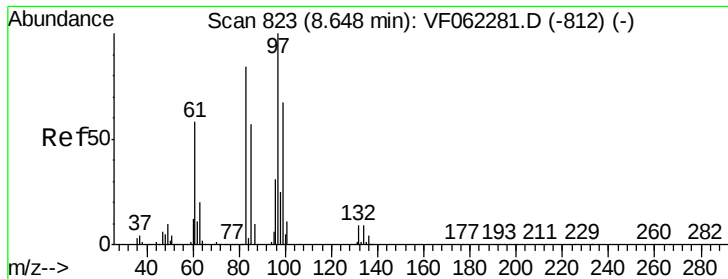
Ion Ratio Lower Upper

75 100

77 31.8 26.5 39.7

39 70.0 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 50.863 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

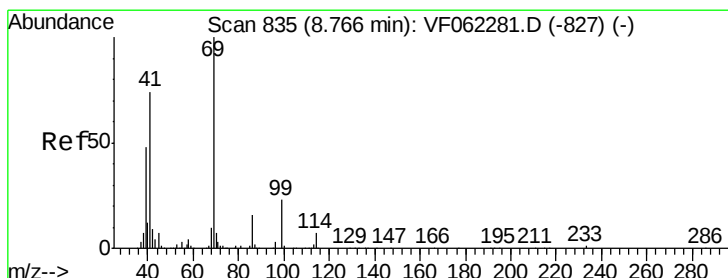
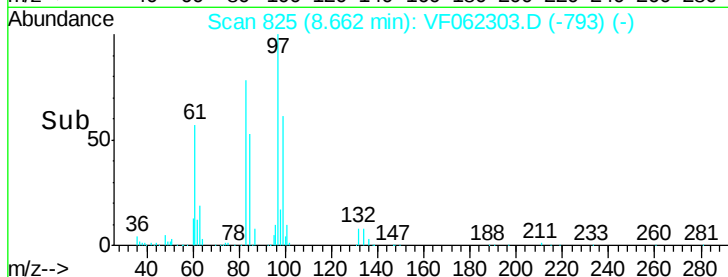
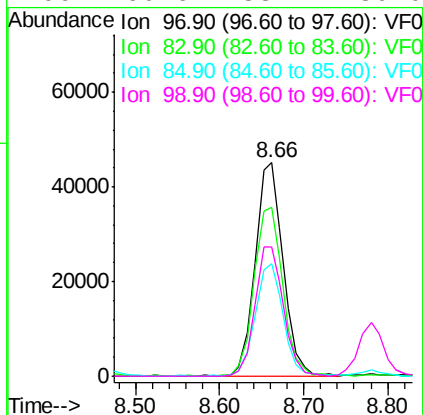
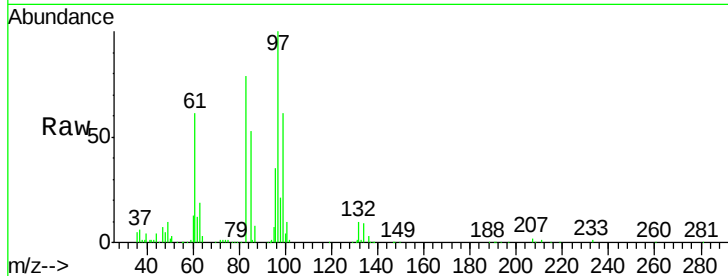
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	105330
Ion	Ratio	Lower	Upper
97	100		
83	78.4	67.5	101.3
85	53.0	45.3	67.9
99	60.6	53.4	80.0

Manual Integrations
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4/29/2019 3:59:39 PM



#56

Ethyl methacrylate

Concen: 45.096 ug/l

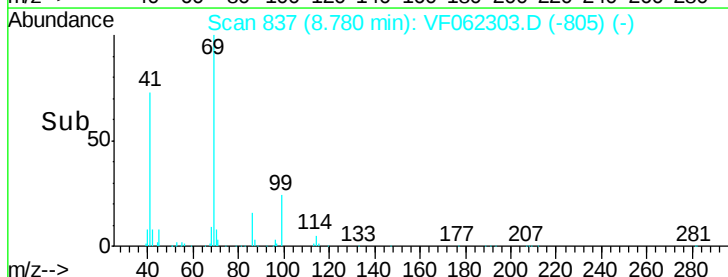
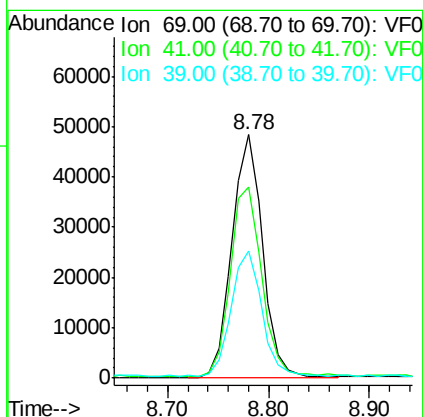
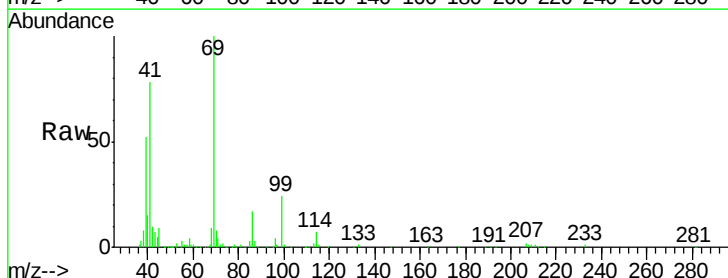
RT: 8.78 min Scan# 837

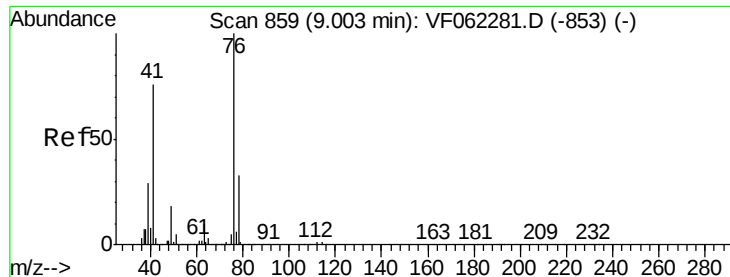
Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion:	69	Resp:	102594
Ion	Ratio	Lower	Upper
69	100		
41	80.2	61.5	92.3
39	51.0	37.9	56.9





#57

1,3-Dichloropropane

Concen: 52.627 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 171353

Ion Ratio Lower Upper

76 100

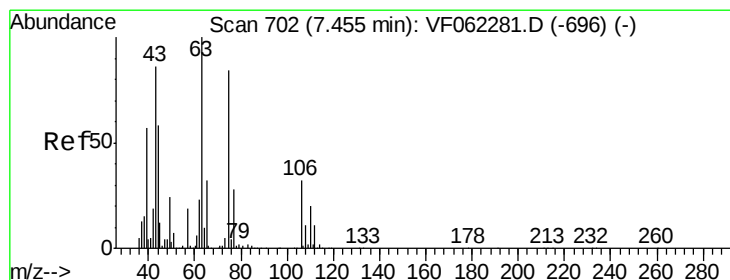
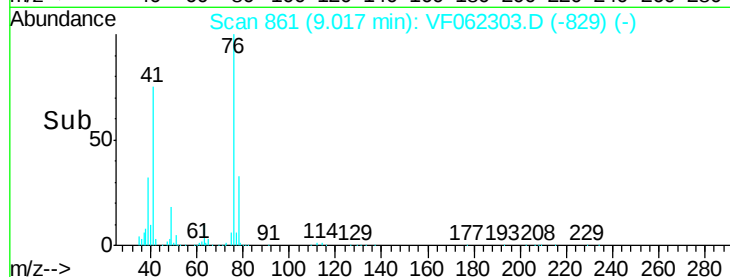
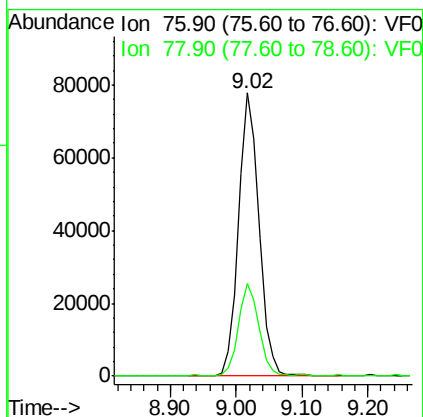
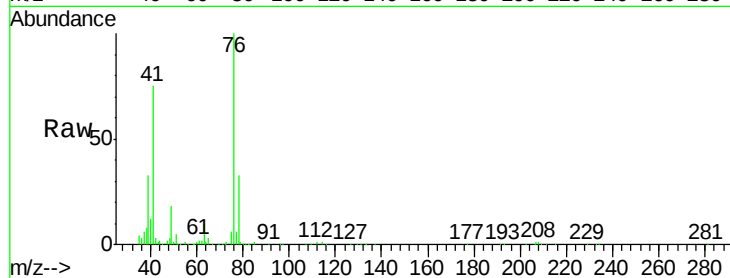
78 31.9 27.0 40.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 224.336 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062303.D

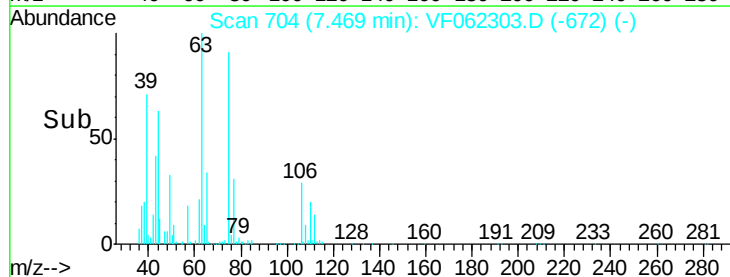
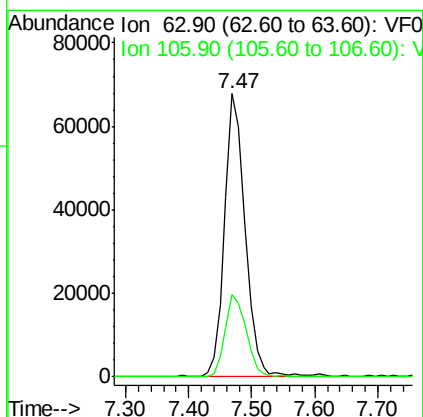
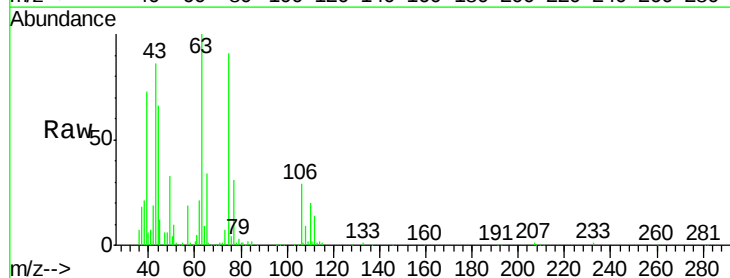
Acq: 26 Apr 2019 12:57

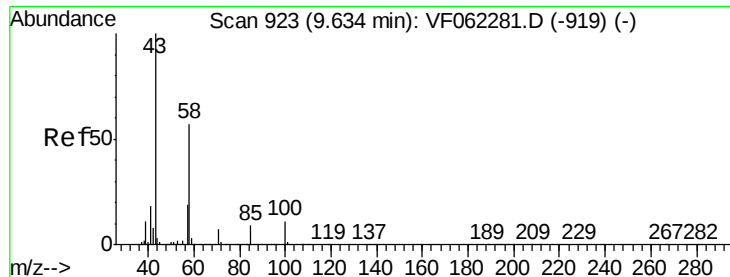
Tgt Ion: 63 Resp: 155302

Ion Ratio Lower Upper

63 100

106 29.9 24.7 37.1





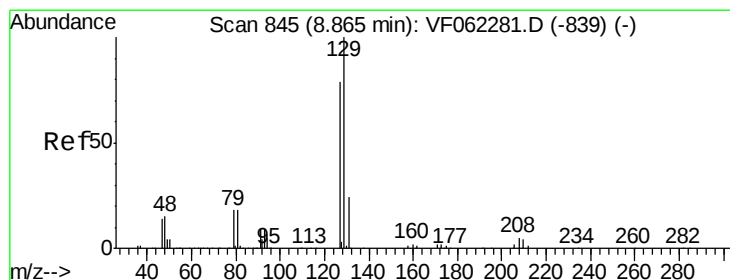
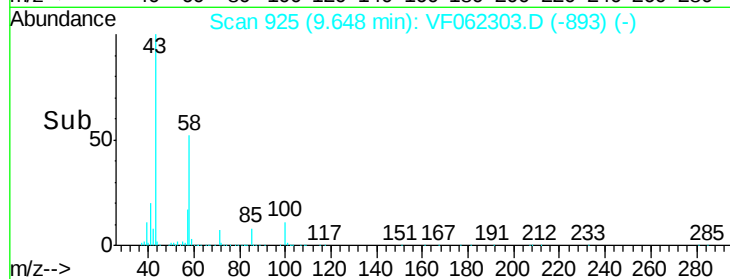
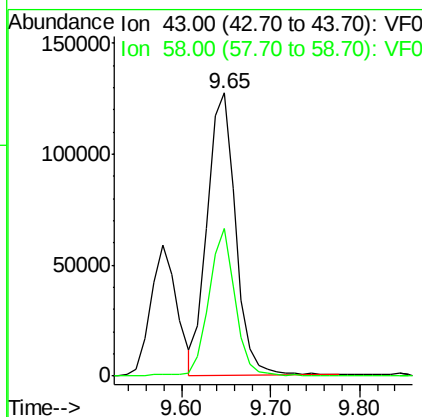
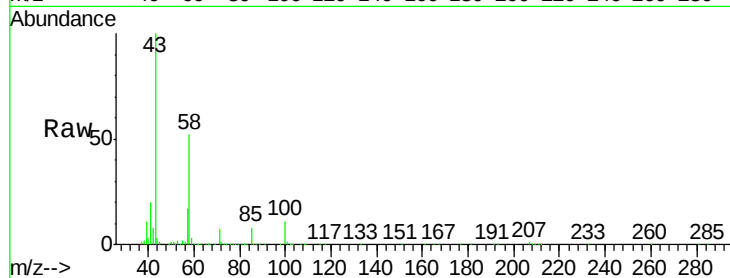
#59
2-Hexanone
Concen: 265.062 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 279593
Ion Ratio Lower Upper
43 100
58 49.4 24.9 74.7

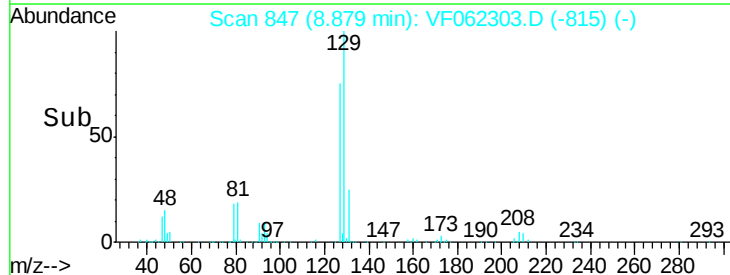
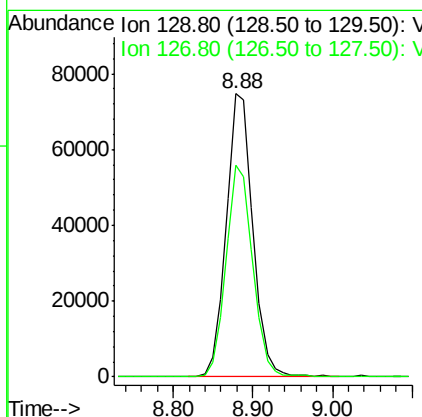
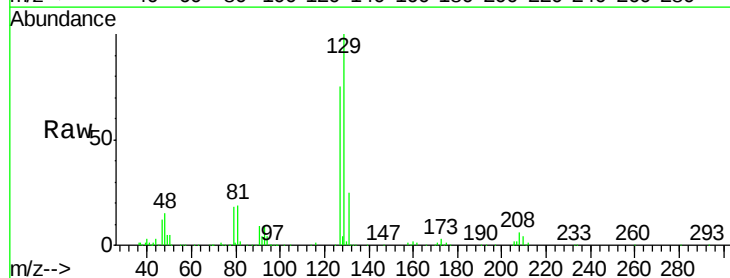
Manual Integrations
APPROVED

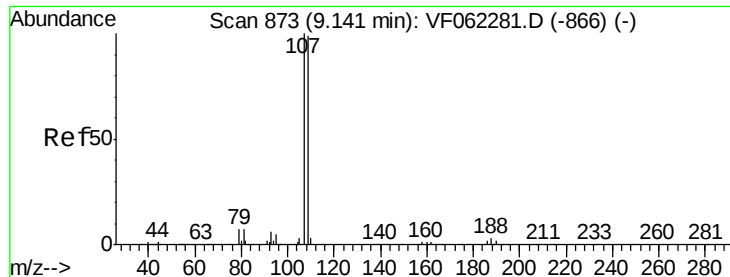
MMDadoda
4/29/2019 3:59:39 PM



#60
Dibromochloromethane
Concen: 52.263 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion: 129 Resp: 175656
Ion Ratio Lower Upper
129 100
127 74.8 38.8 116.4





#61

1,2-Dibromoethane

Concen: 52.307 ug/l

RT: 9.15 min Scan# 875

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 125367

Ion Ratio Lower Upper

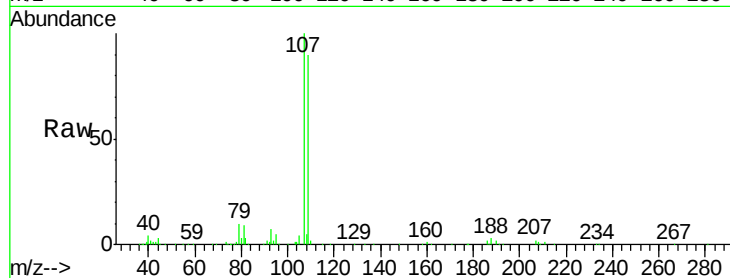
107 100

109 93.1 78.7 118.1

Manual Integrations
APPROVED

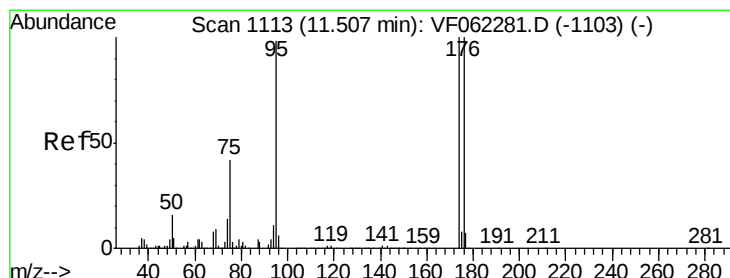
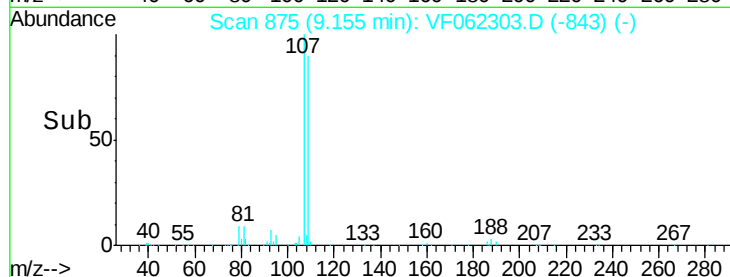
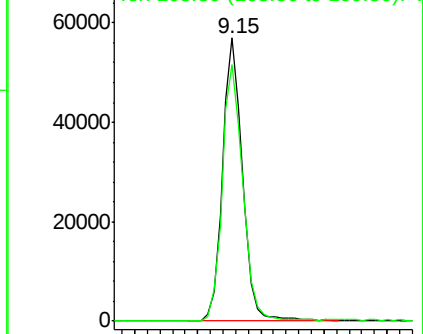
MMDadoda

4/29/2019 3:59:39 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.325 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

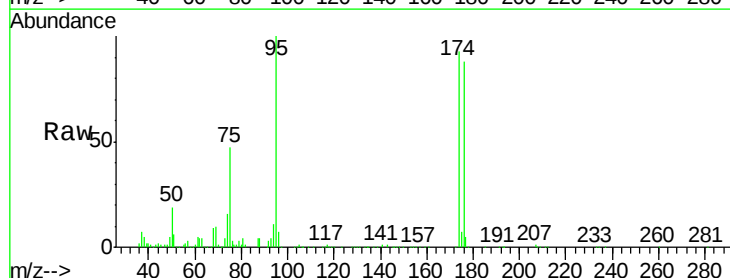
Tgt Ion: 95 Resp: 191809

Ion Ratio Lower Upper

95 100

174 95.7 0.0 185.2

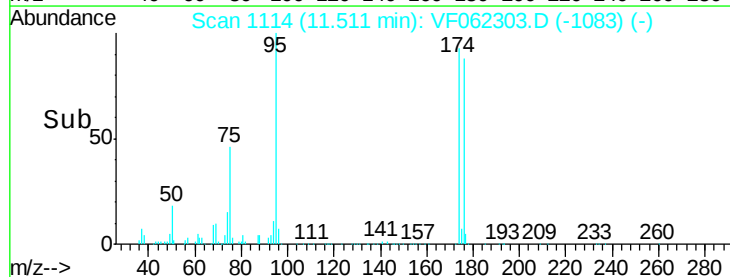
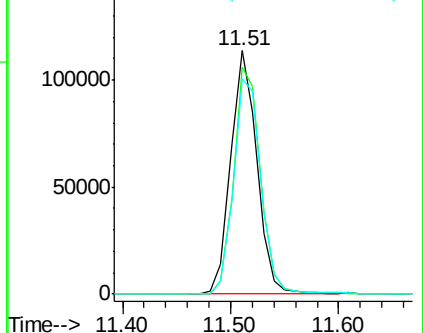
176 93.2 0.0 184.8

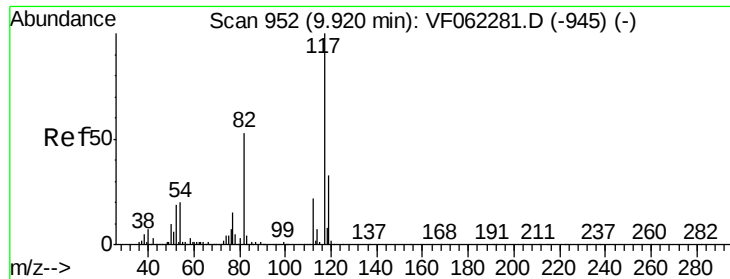


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





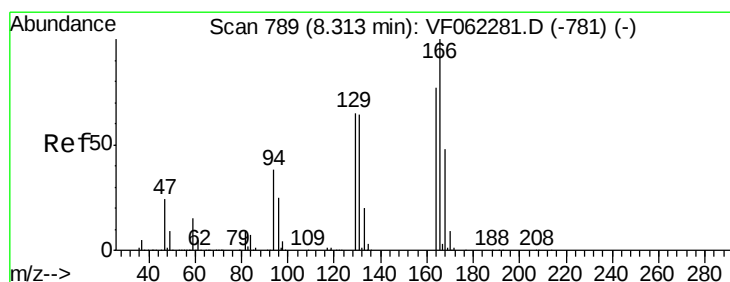
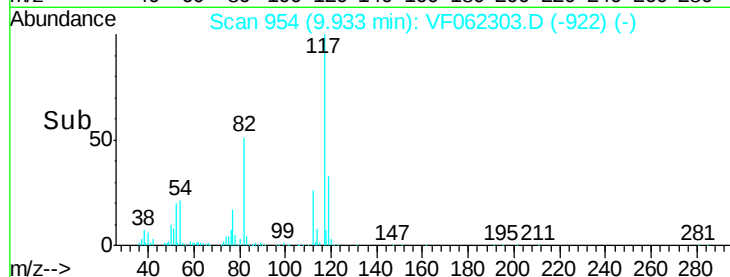
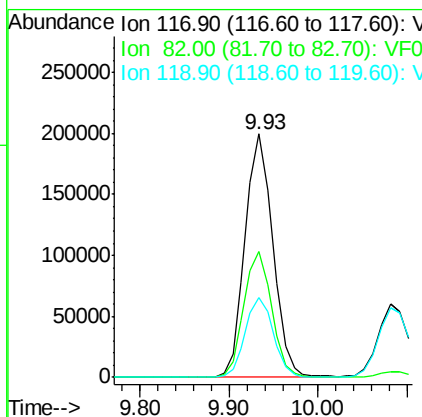
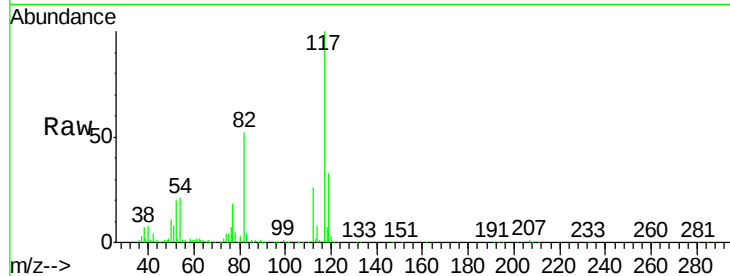
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	432941		
82	51.4		42.6	64.0
119	32.7		26.1	39.1

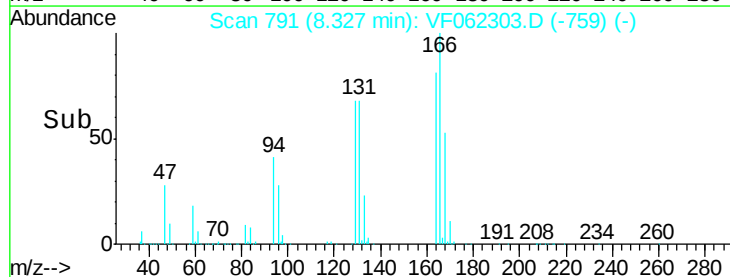
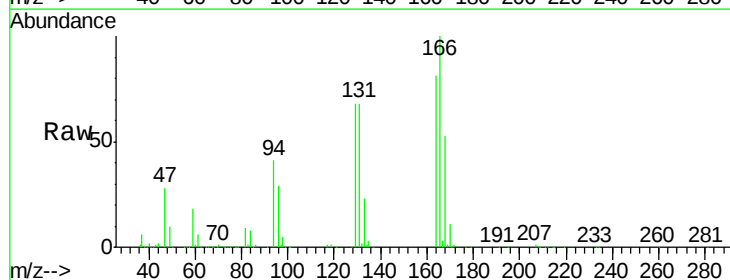
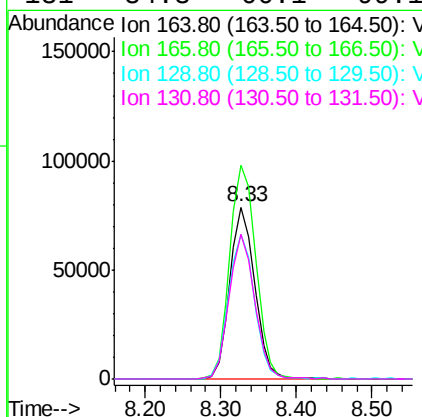
Manual Integrations
APPROVED

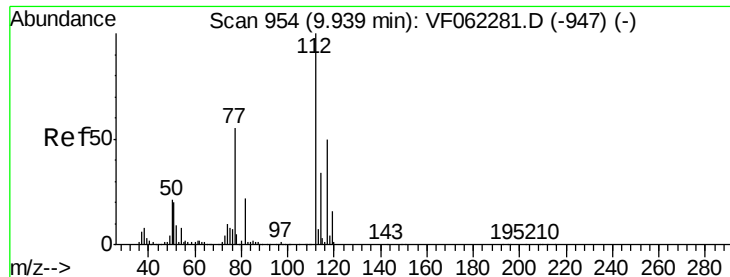
MMDadoda
4/29/2019 3:59:39 PM



#64
Tetrachloroethene
Concen: 49.652 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179802		
166	124.2		103.5	155.3
129	84.1		67.6	101.4
131	84.3		66.1	99.1





#65

Chlorobenzene

Concen: 51.893 ug/l

RT: 9.95 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 410549

Ion Ratio Lower Upper

112 100

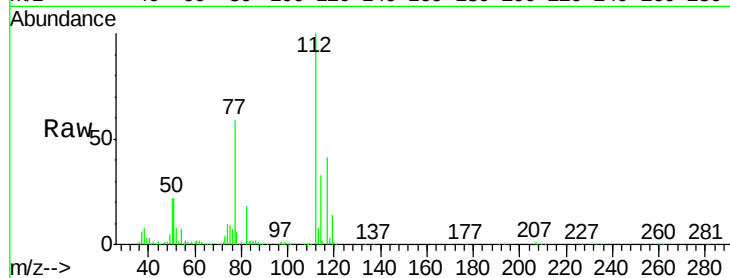
114 32.7 27.0 40.6

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.95

200000

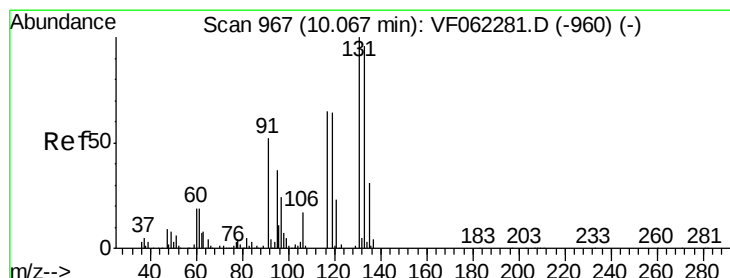
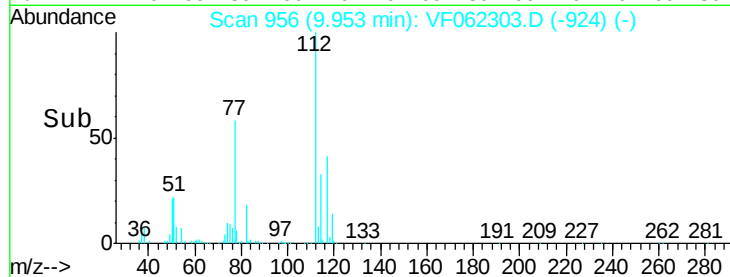
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.887 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

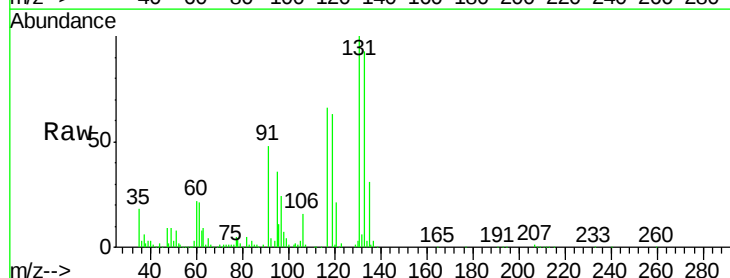
Tgt Ion:131 Resp: 204537

Ion Ratio Lower Upper

131 100

133 97.0 48.5 145.5

119 65.0 32.9 98.7



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

10.08

120000

100000

80000

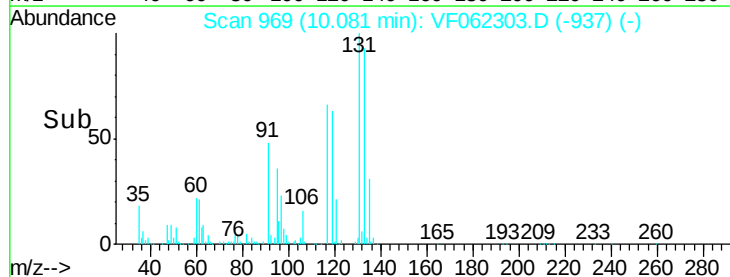
60000

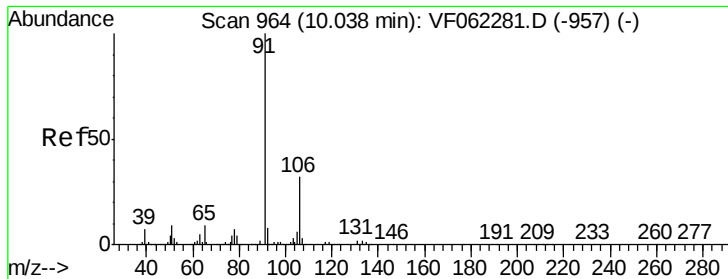
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 52.479 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 721805

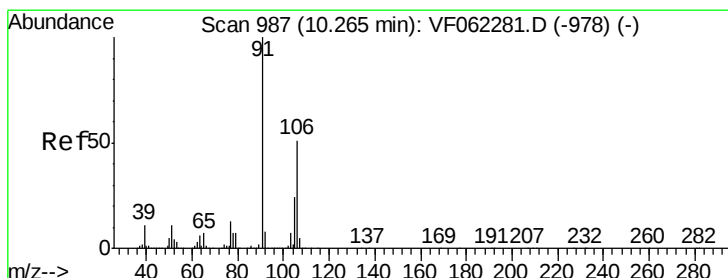
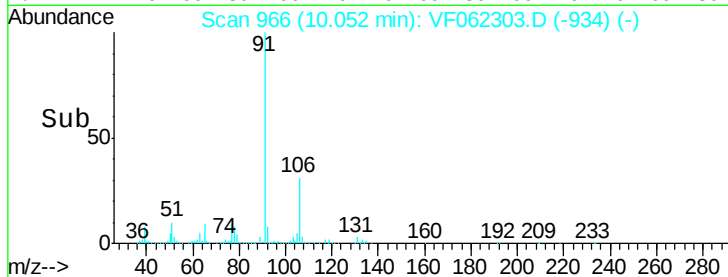
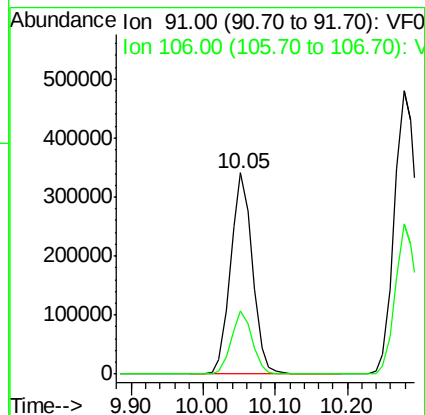
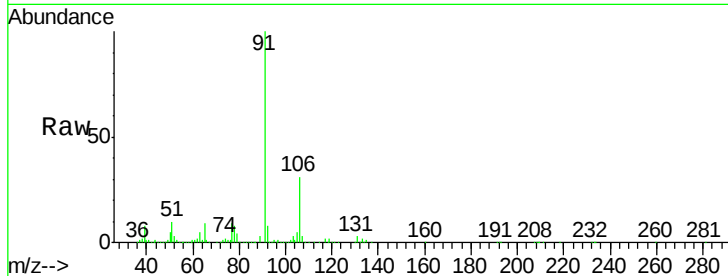
Ion Ratio Lower Upper

91 100

106 31.3 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
4/29/2019 3:59:39 PM



#68

m/p-Xylenes

Concen: 104.298 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF062303.D

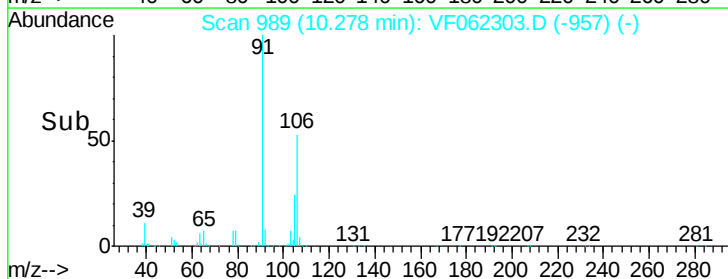
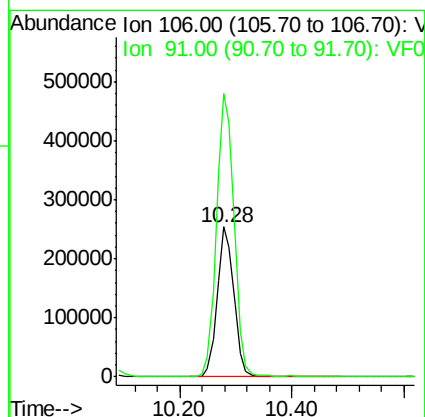
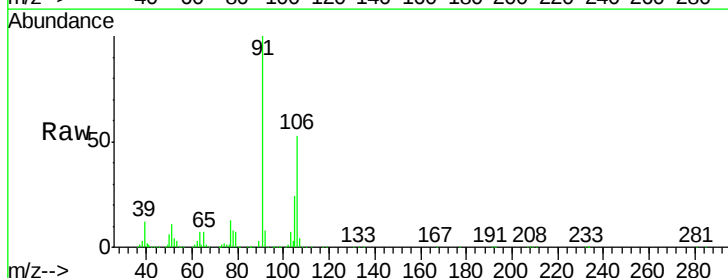
Acq: 26 Apr 2019 12:57

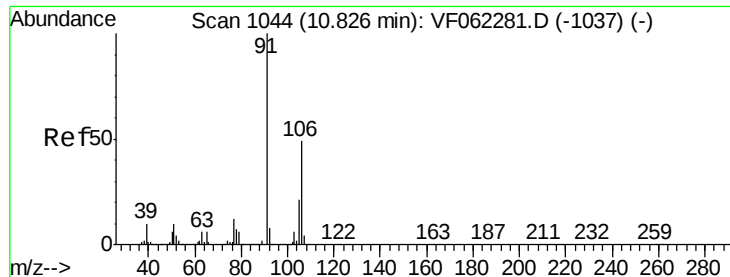
Tgt Ion: 106 Resp: 534089

Ion Ratio Lower Upper

106 100

91 197.1 158.3 237.5





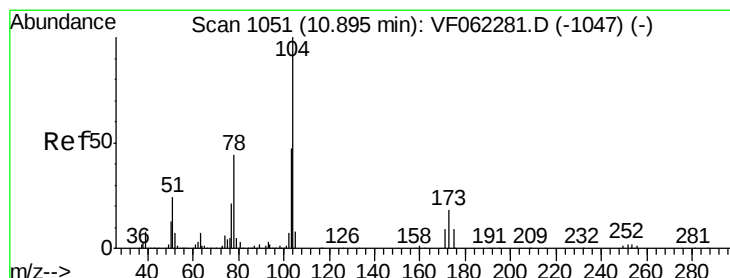
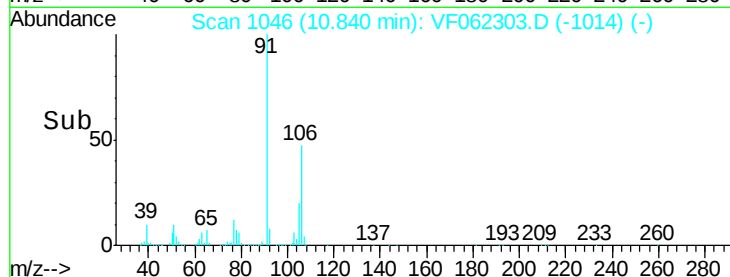
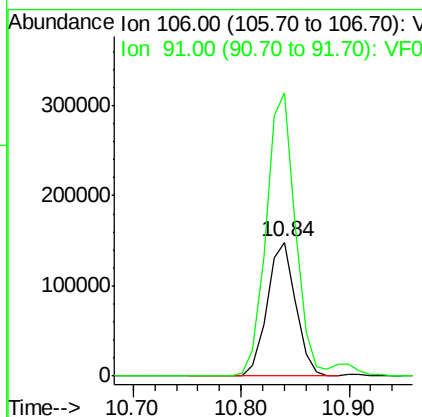
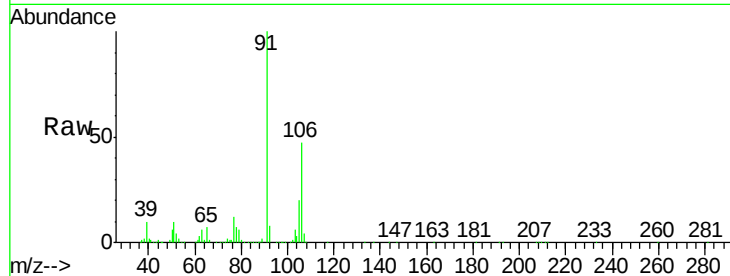
#69
o-Xylene
Concen: 48.363 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.9	110.0	330.0

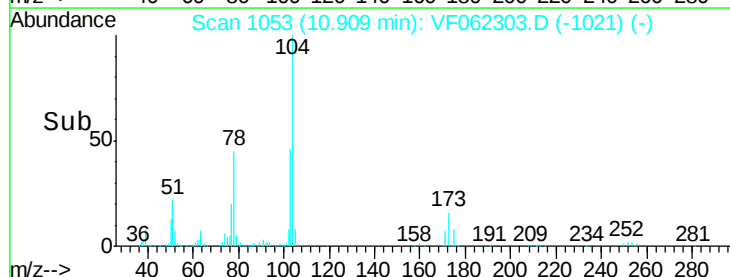
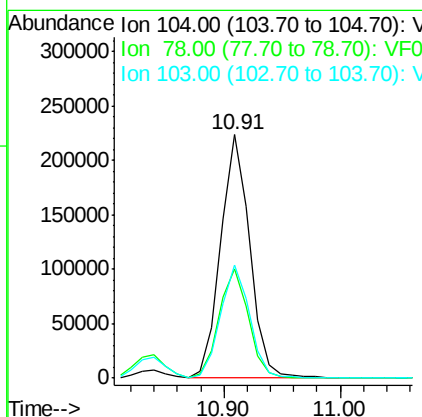
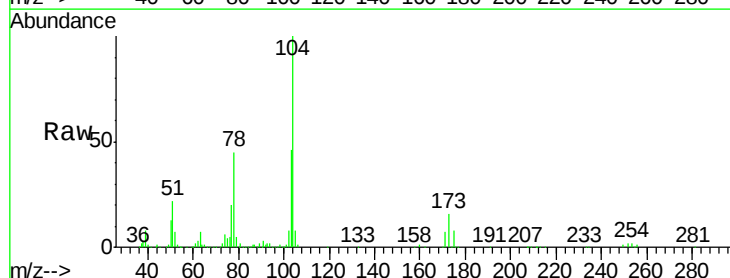
Manual Integrations
APPROVED

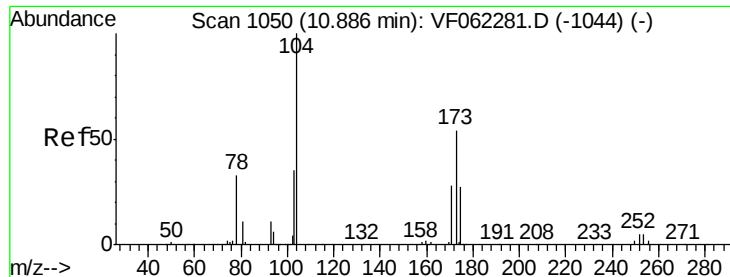
MMDadoda
4/29/2019 3:59:39 PM



#70
Styrene
Concen: 46.677 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.4	35.9	53.9
103	47.4	37.5	56.3





#71

Bromoform

Concen: 49.688 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

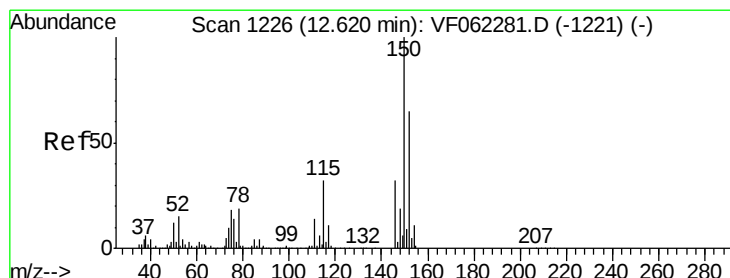
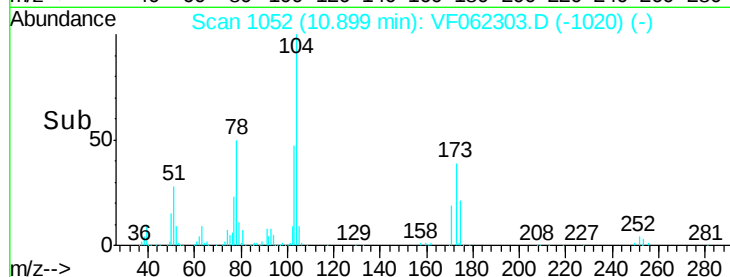
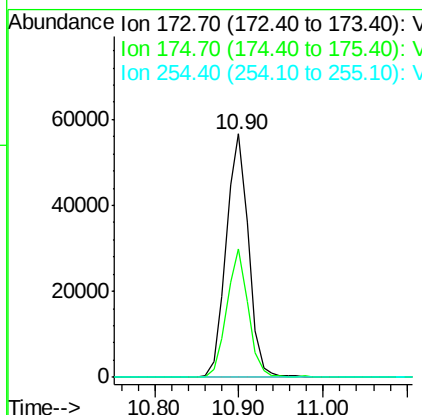
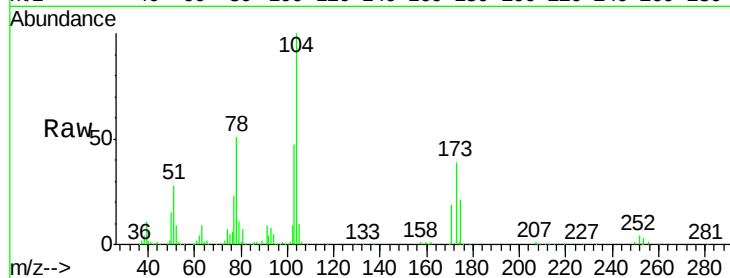
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	25.3	75.9
254	0.1	0.1	0.1

Manual Integrations
APPROVED

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4/29/2019 3:59:39 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

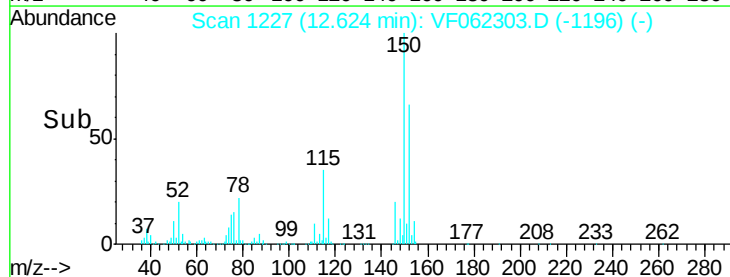
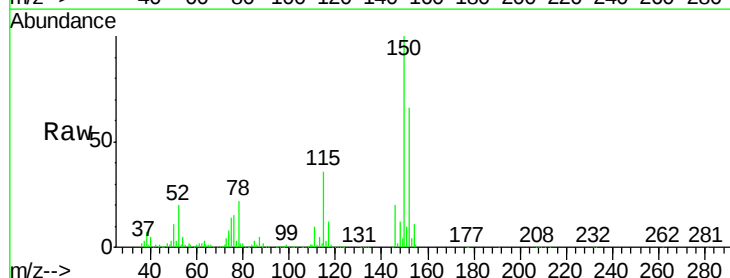
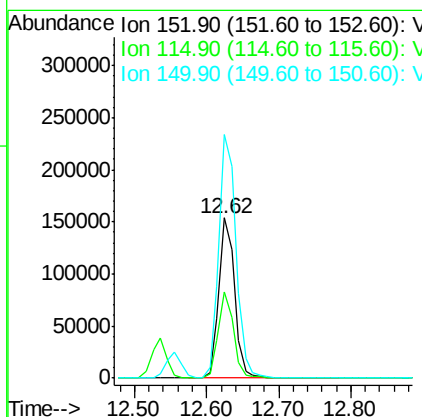
RT: 12.62 min Scan# 1227

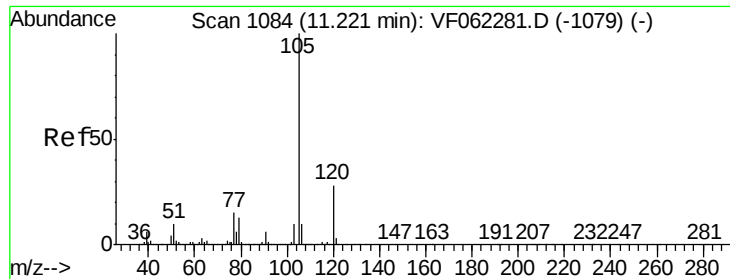
Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.6	25.6	76.8
150	165.5	0.0	330.6





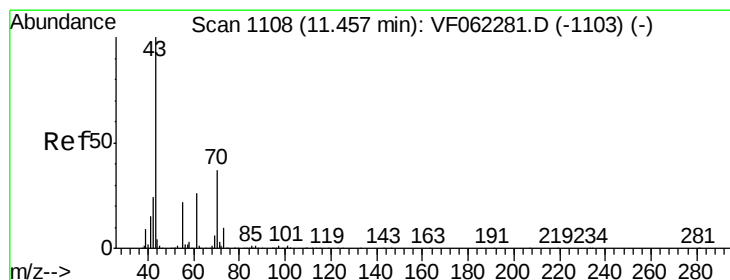
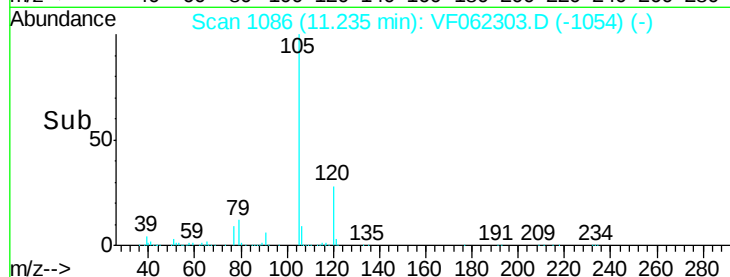
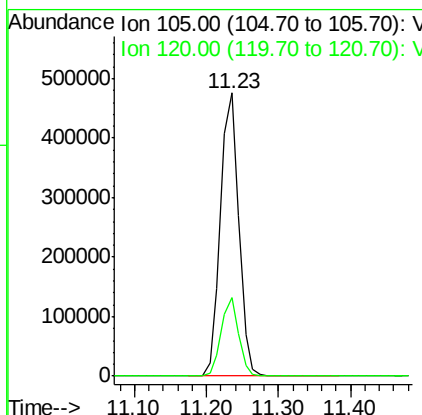
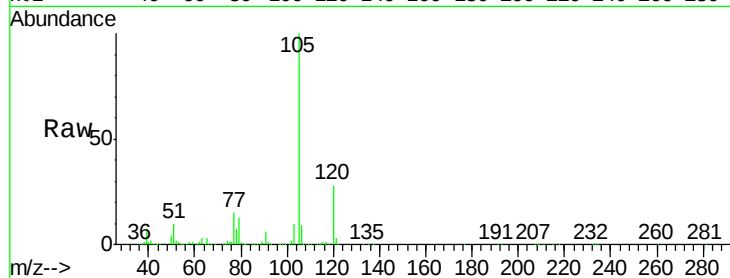
#73
Isopropylbenzene
Concen: 52.795 ug/l
RT: 11.23 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.4	37.2

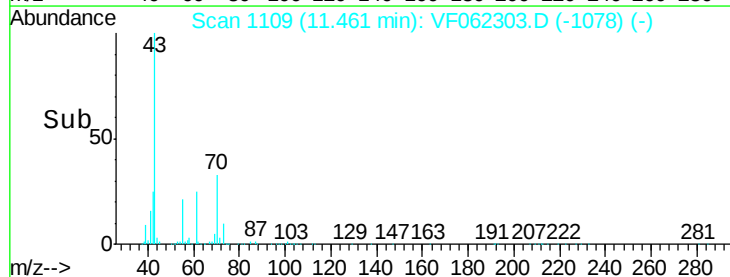
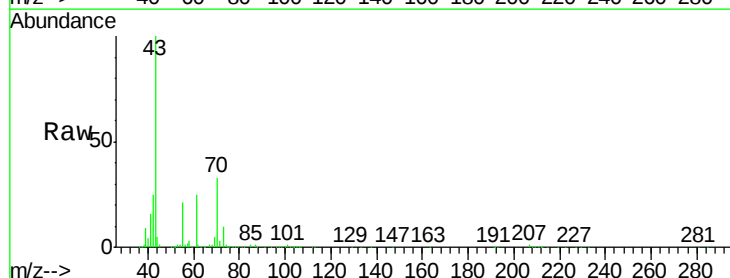
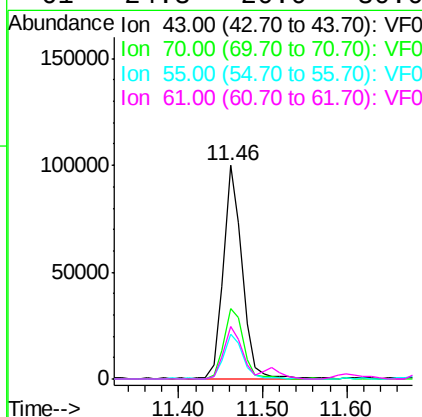
Manual Integrations
APPROVED

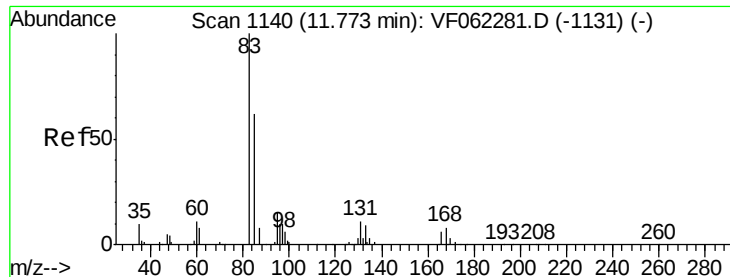
MMDadoda
4/29/2019 3:59:39 PM



#74
N-ethyl acetate
Concen: 42.245 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.2	27.8	41.8
55	22.5	16.6	24.8
61	24.3	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.281 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

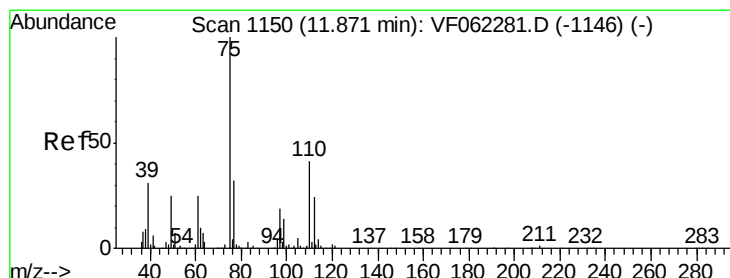
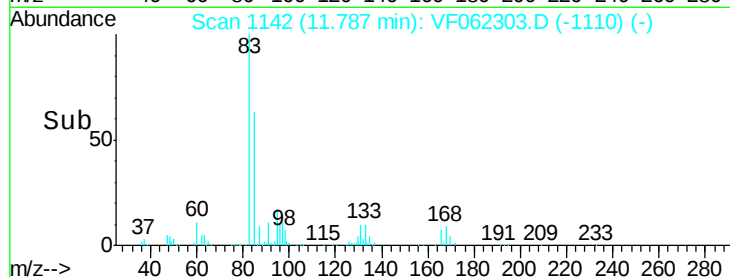
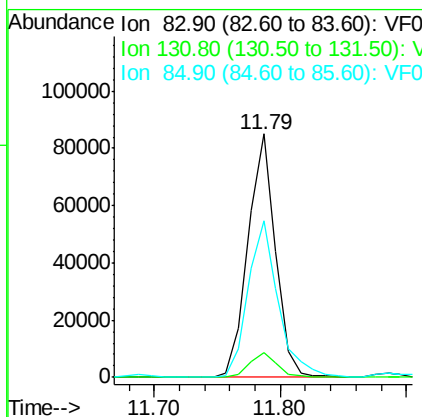
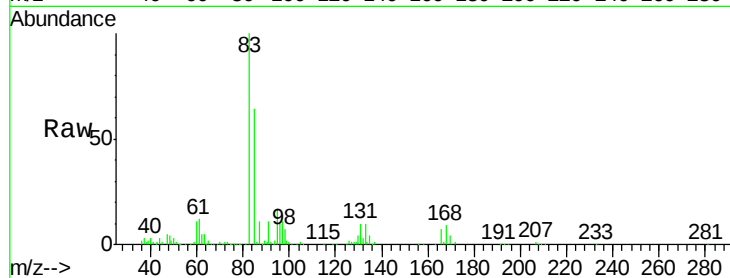
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	128840
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.5	16.5
85	70.4	34.5	103.6

Manual Integrations
APPROVED

MMDadoda
4/29/2019 3:59:39 PM



#76

1,2,3-Trichloropropane

Concen: 51.536 ug/l

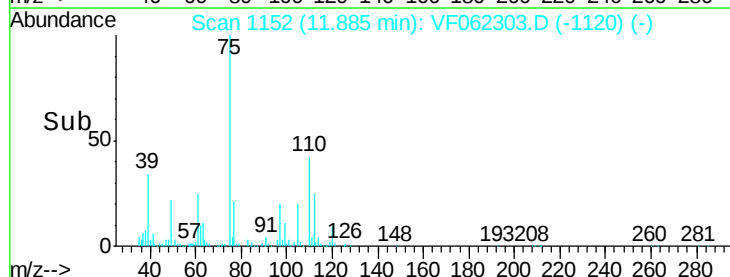
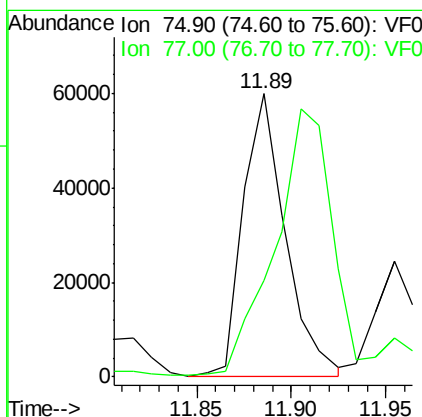
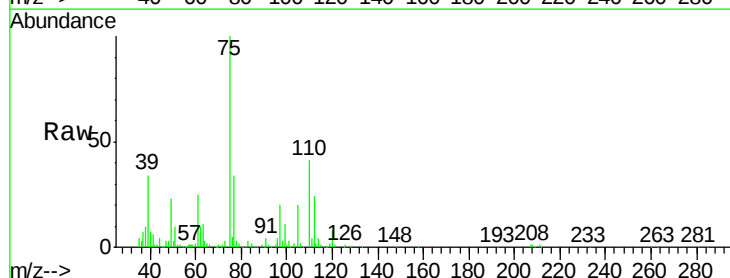
RT: 11.89 min Scan# 1152

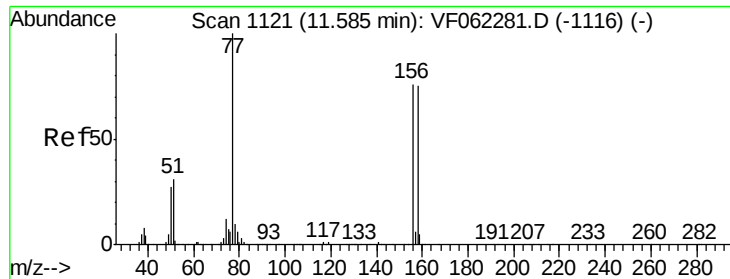
Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion:	75	Resp:	91867
Ion Ratio	Lower	Upper	
75	100		
77	130.1	0.0	0.0#





#77

Bromobenzene

Concen: 52.296 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

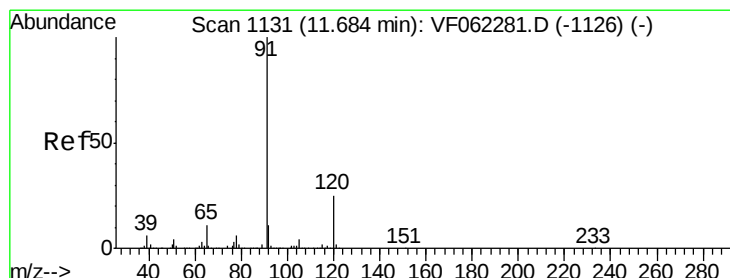
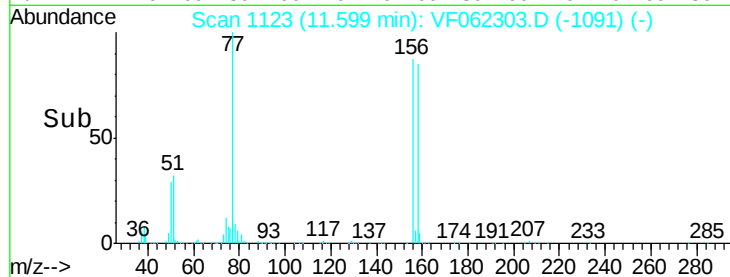
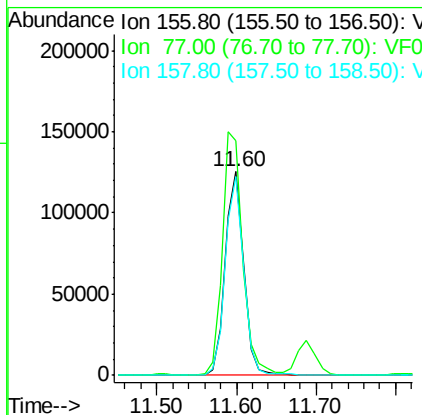
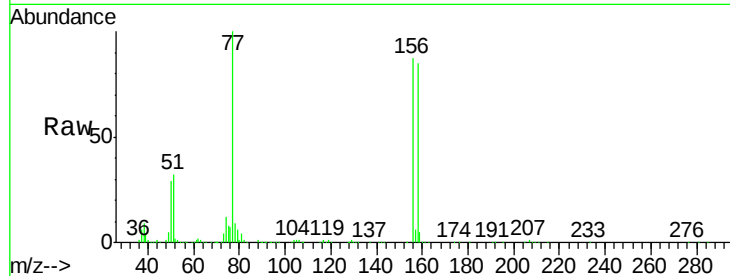
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	206746
Ion Ratio	Lower	Upper	
156	100		
77	130.0	67.3	201.9
158	98.2	49.5	148.5

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#78

n-propylbenzene

Concen: 49.701 ug/l

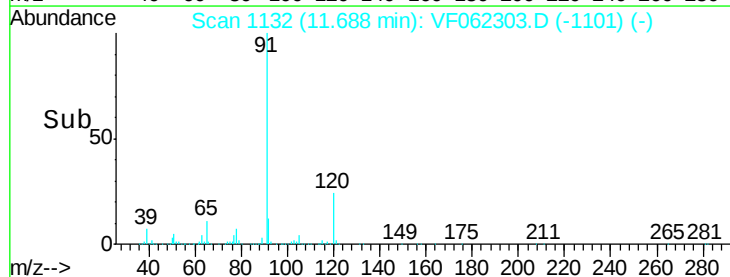
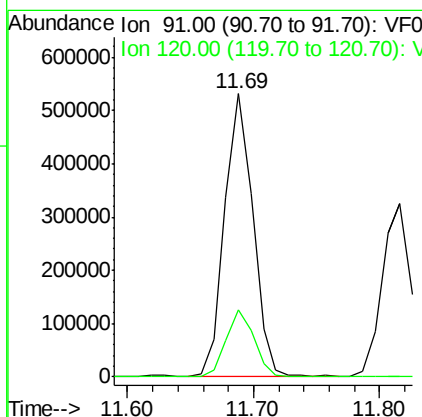
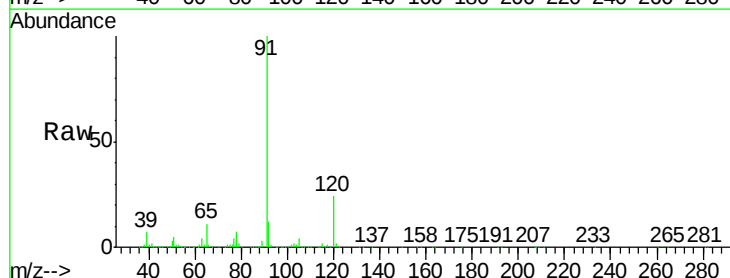
RT: 11.69 min Scan# 1132

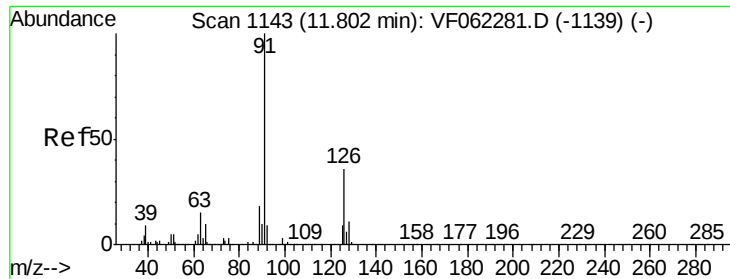
Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Tgt Ion:	91	Resp:	827013
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.4





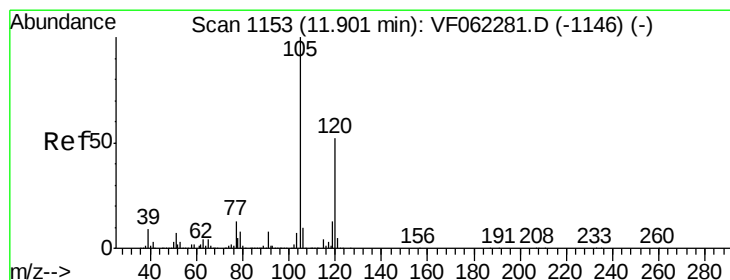
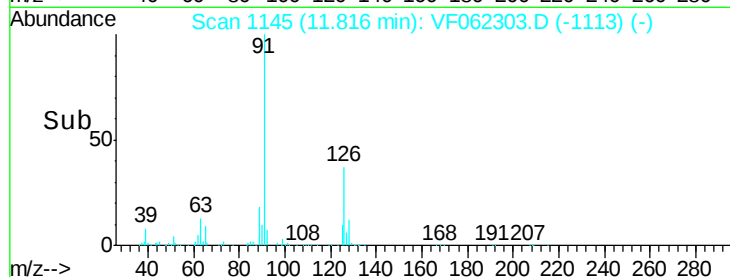
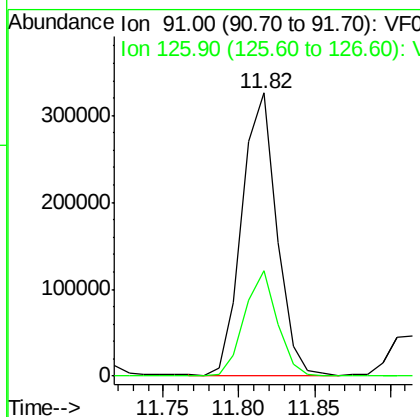
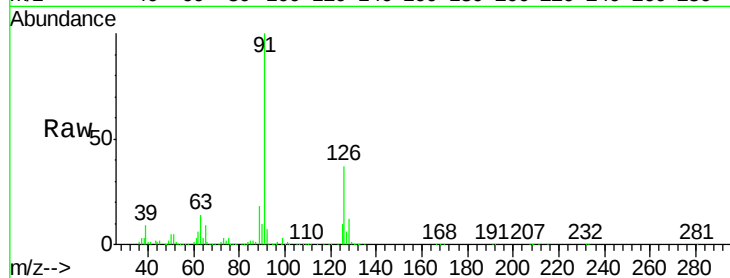
#79
 2-Chlorotoluene
 Concen: 52.098 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.9	53.8

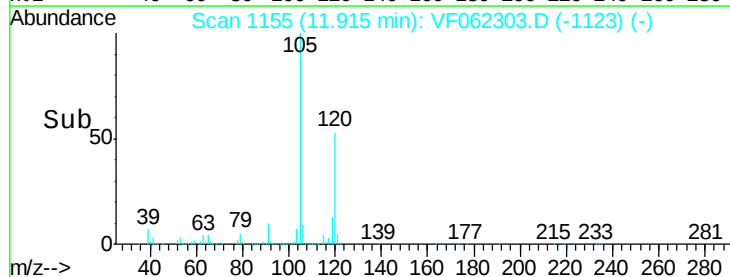
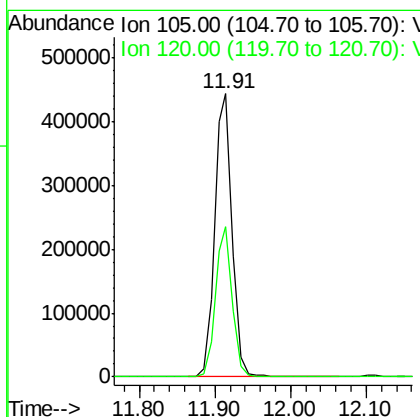
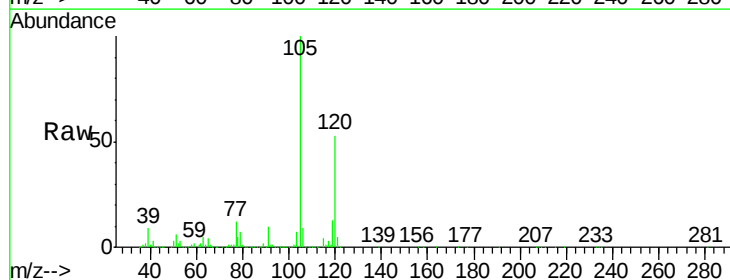
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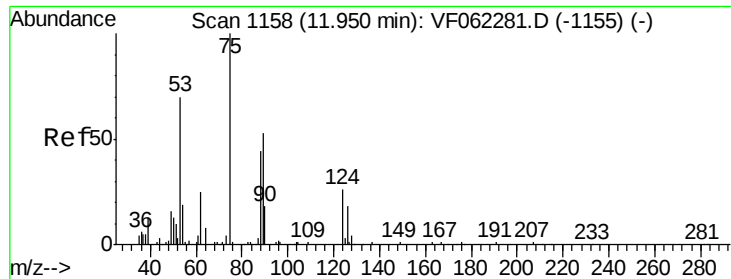
MMDadoda
 4/29/2019 3:59:39 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.688 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.0	25.8	77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.465 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF062303.D

Acq: 26 Apr 2019 12:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 37820

Ion Ratio Lower Upper

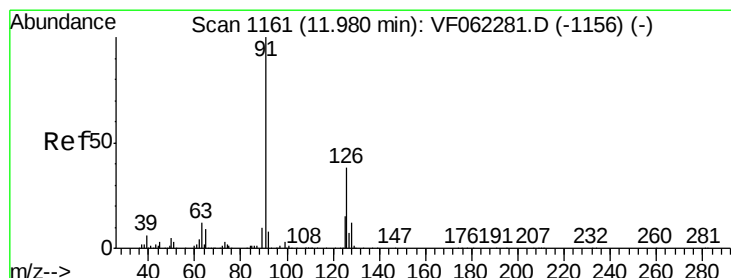
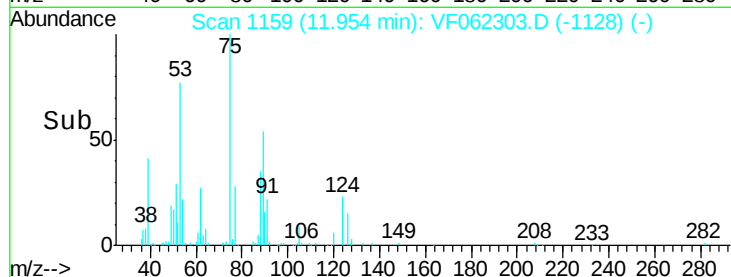
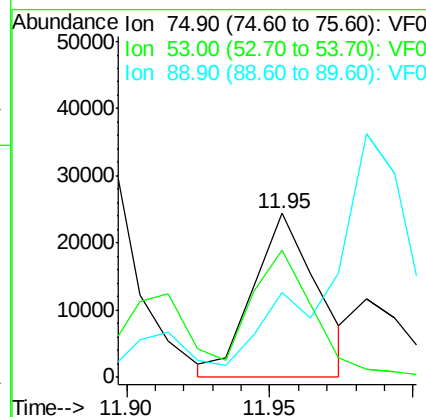
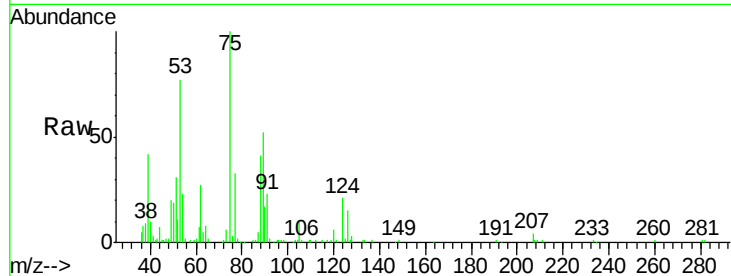
75 100

53 77.1 67.1 100.7

89 0.0 0.0 0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.624 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062303.D

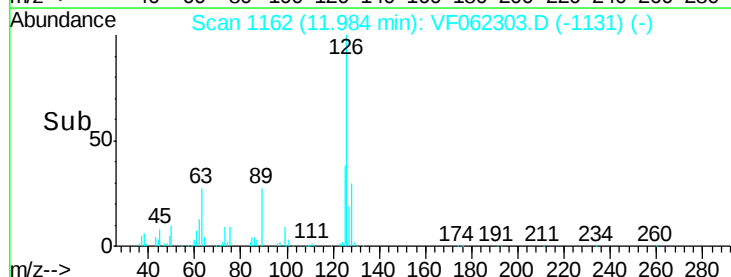
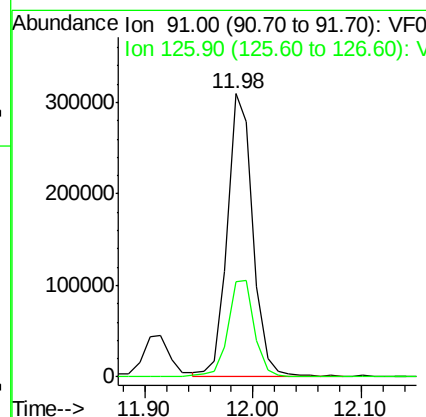
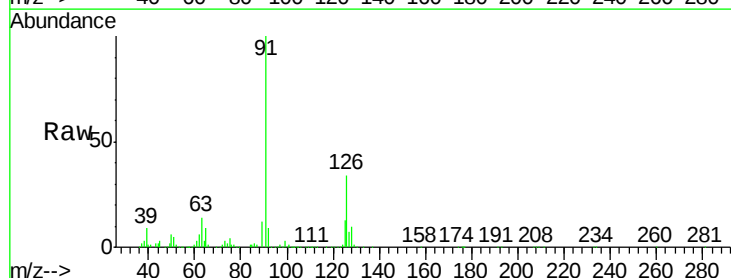
Acq: 26 Apr 2019 12:57

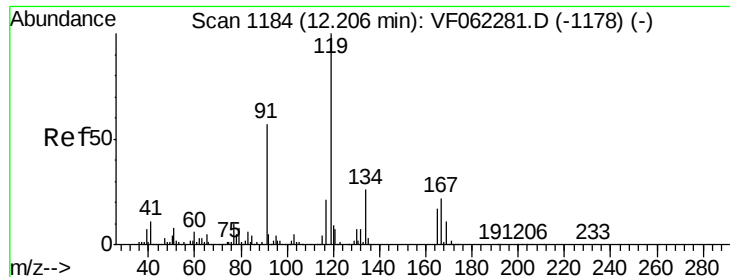
Tgt Ion: 91 Resp: 502068

Ion Ratio Lower Upper

91 100

126 36.5 17.3 52.0





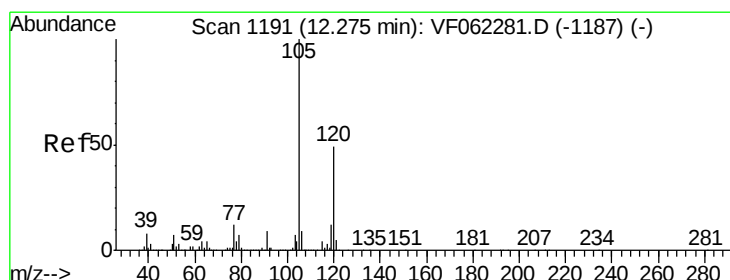
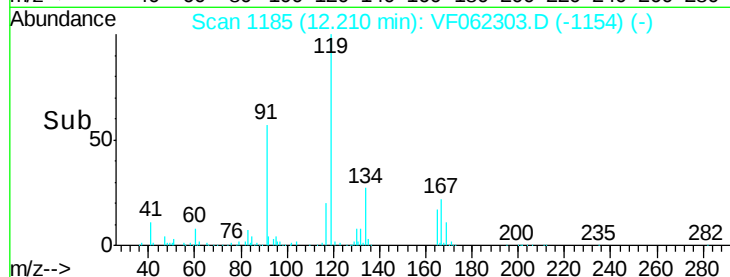
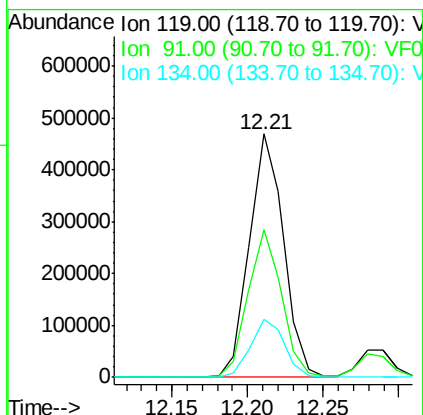
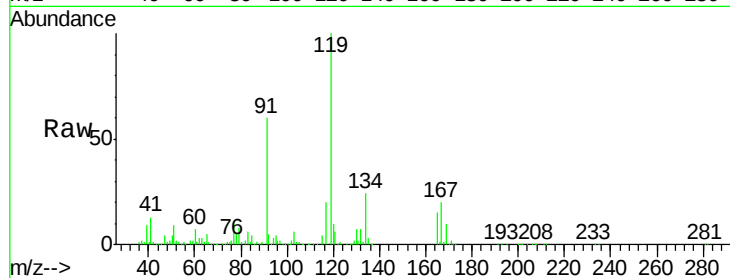
#83
tert-Butylbenzene
Concen: 54.016 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	29.4	88.2
134	23.6	11.9	35.7

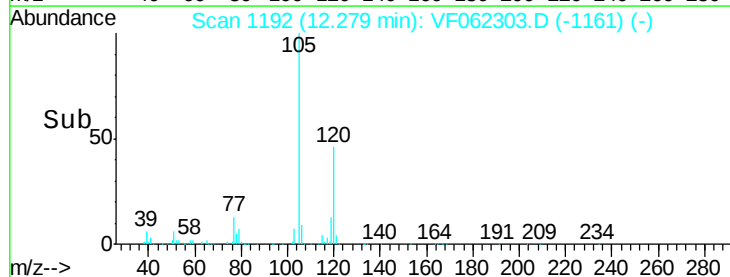
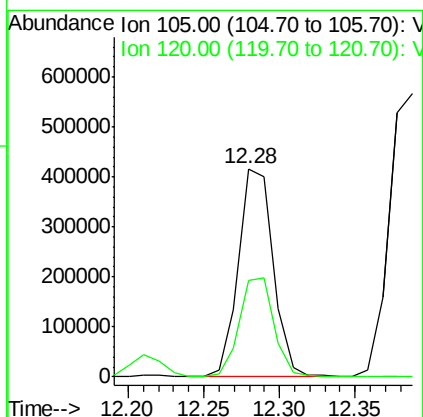
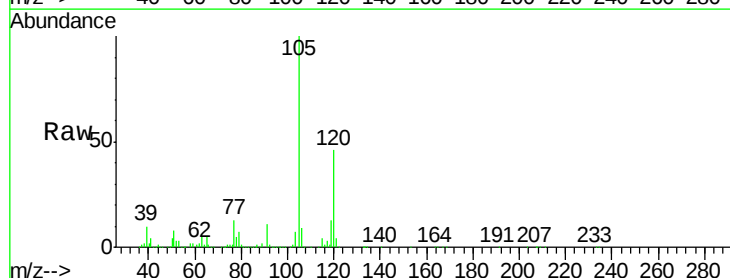
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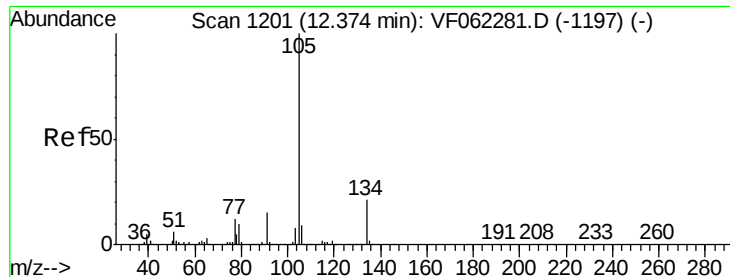
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.507 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	24.1	72.2





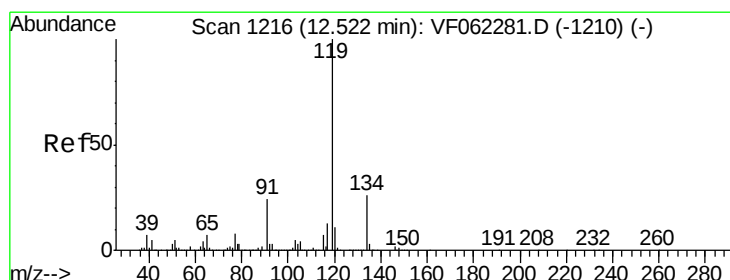
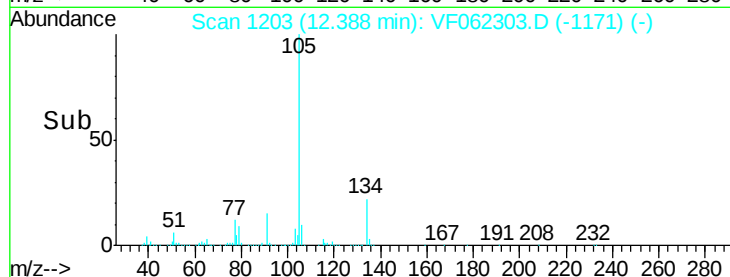
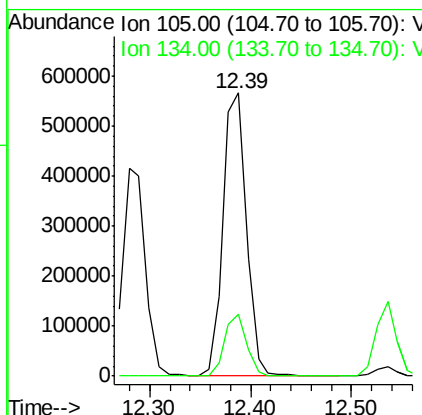
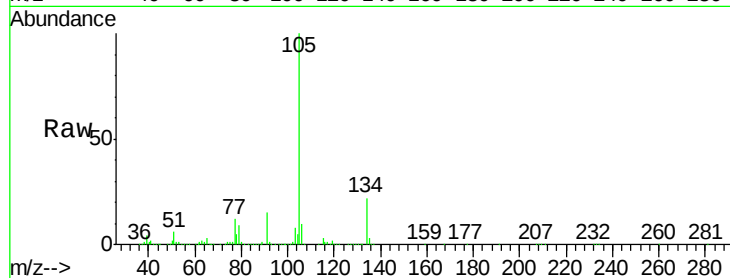
#85
 sec-Butylbenzene
 Concen: 53.708 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.2	30.4

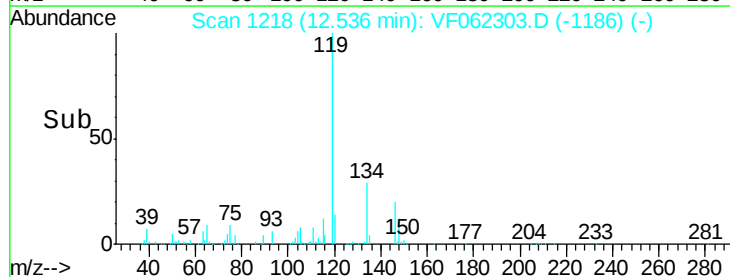
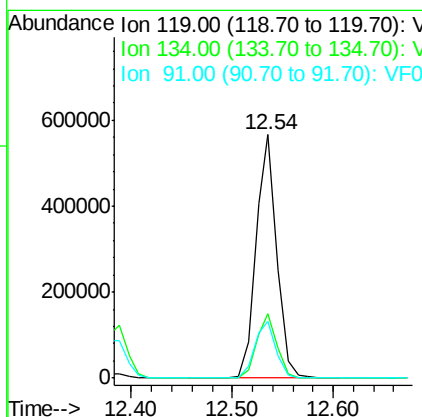
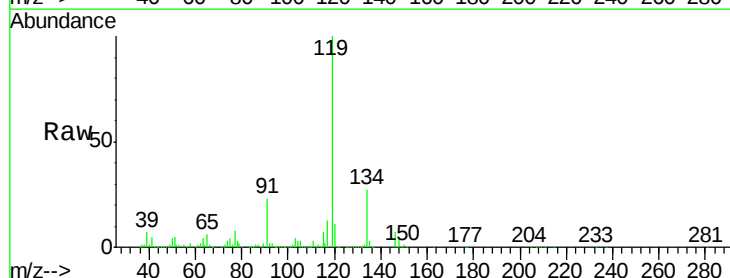
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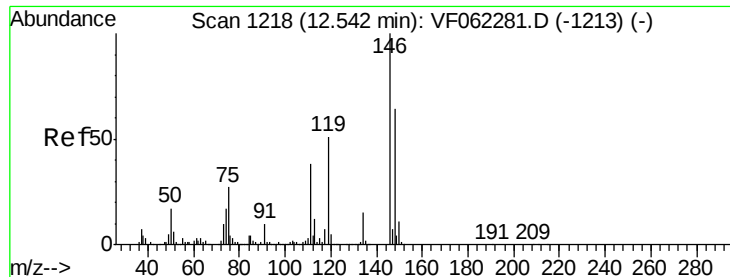
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 52.723 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.2	39.5
91	23.9	11.6	34.7





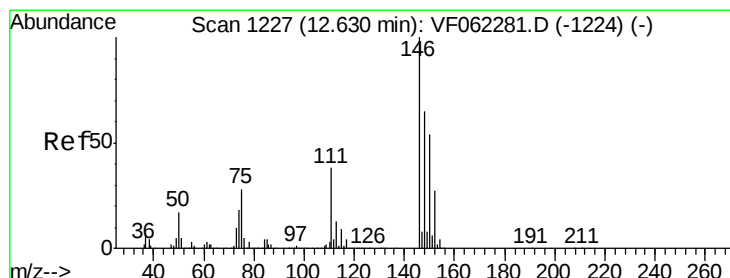
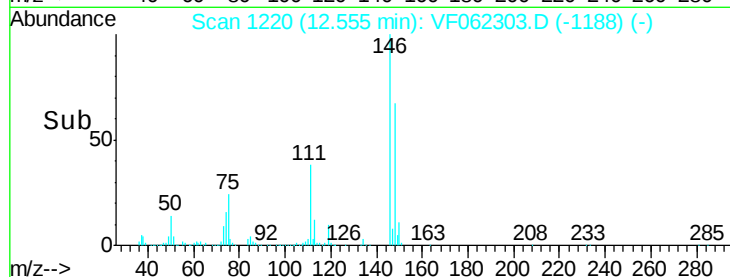
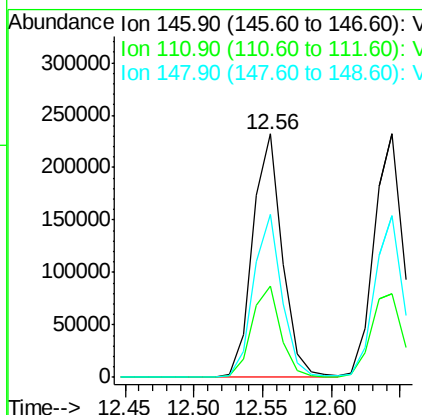
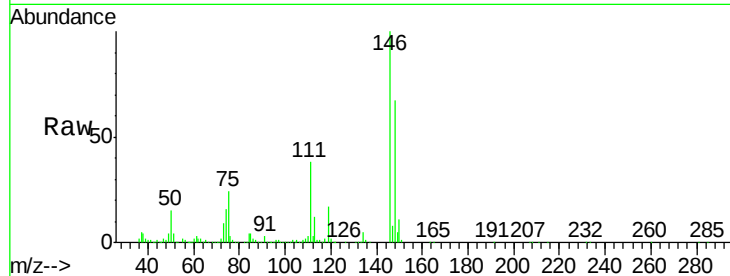
#87
 1,3-Dichlorobenzene
 Concen: 49.827 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	65.0	32.8	98.4

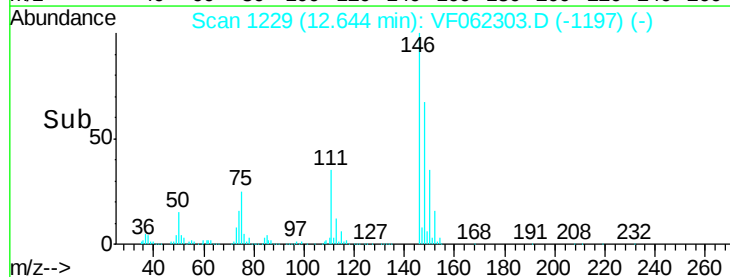
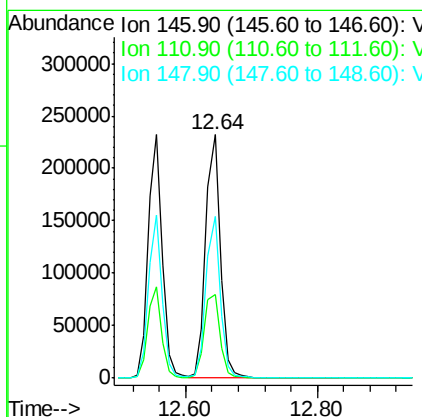
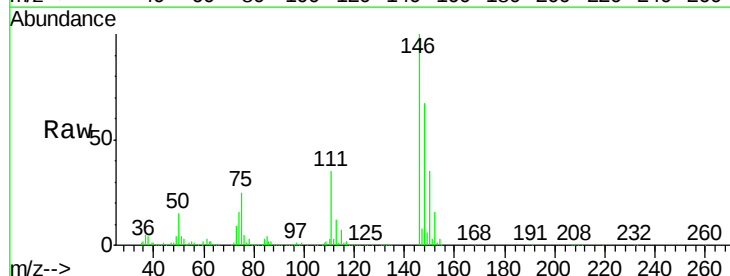
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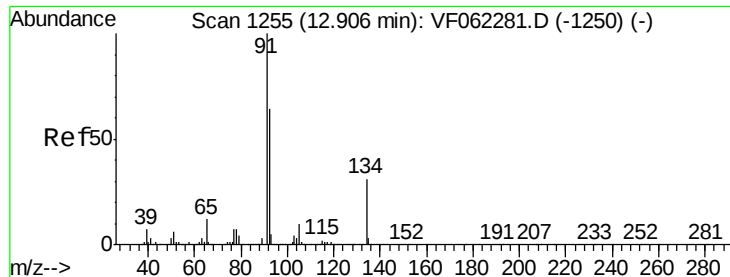
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#88
 1,4-Dichlorobenzene
 Concen: 52.996 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	56.0
148	63.7	32.5	97.5





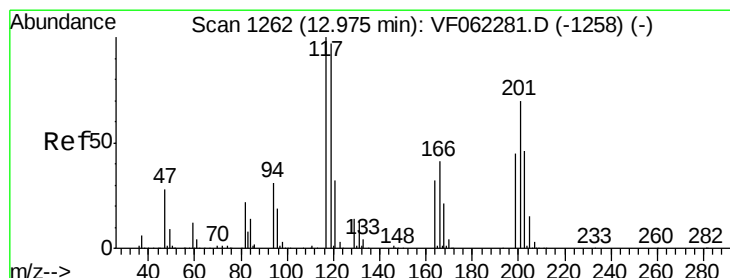
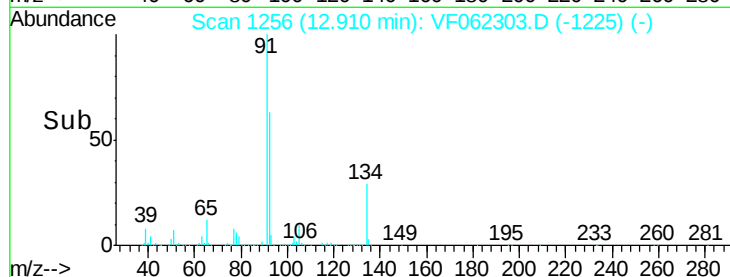
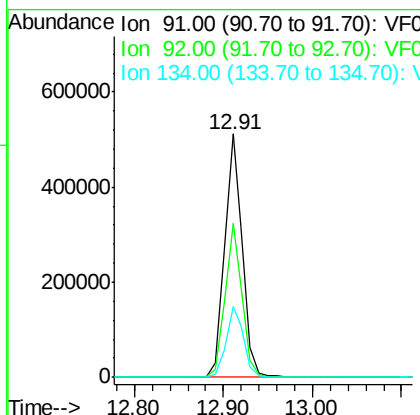
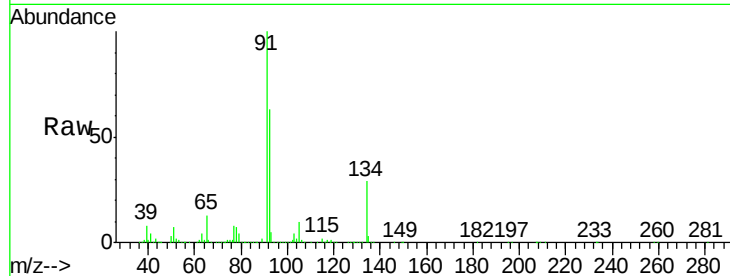
#89
n-Butylbenzene
Concen: 51.213 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.1	31.1	93.3
134	28.9	14.4	43.4

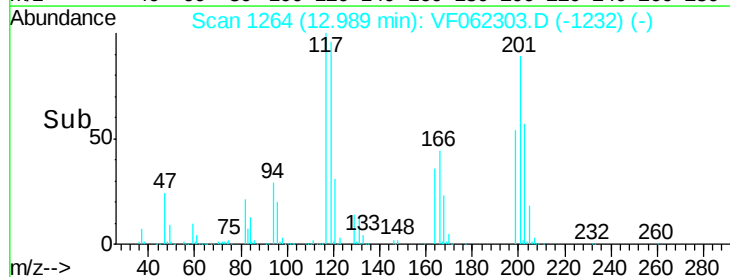
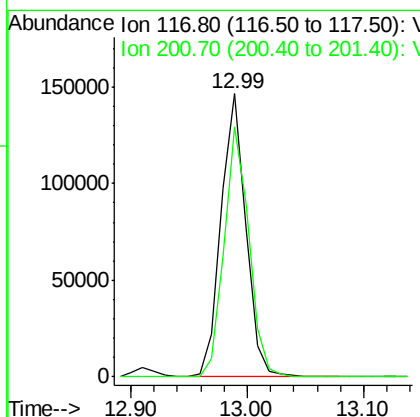
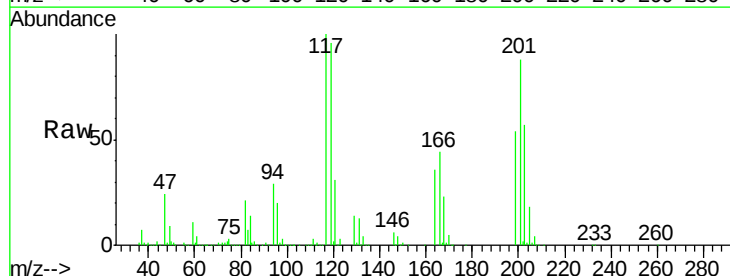
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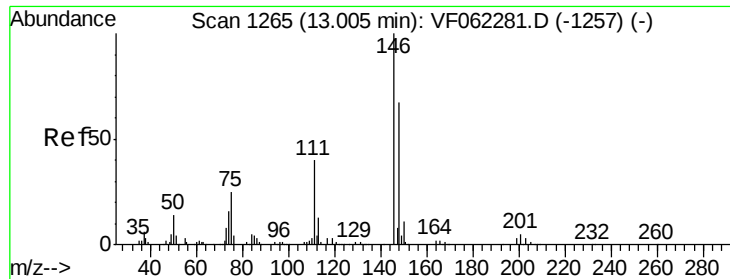
MMDadoda
4/29/2019 3:59:39 PM



#90
Hexachloroethane
Concen: 56.396 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	42.9	128.5





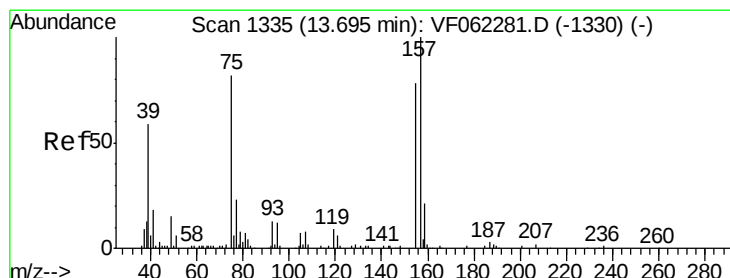
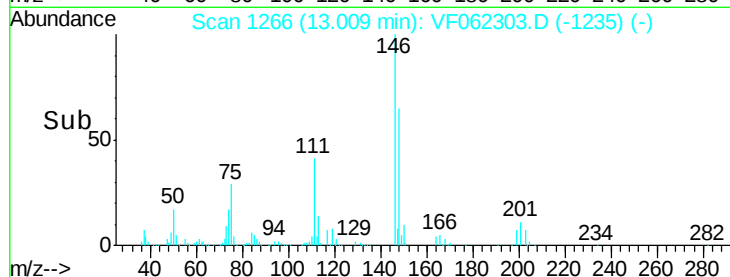
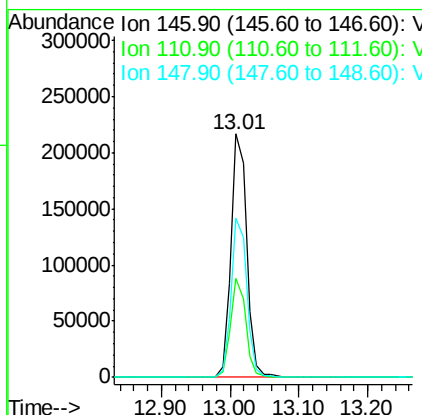
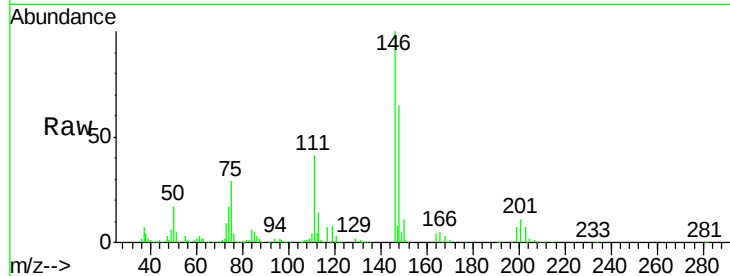
#91
 1,2-Dichlorobenzene
 Concen: 50.932 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	341940		
111	39.5	20.0	59.9	
148	65.0	33.1	99.5	

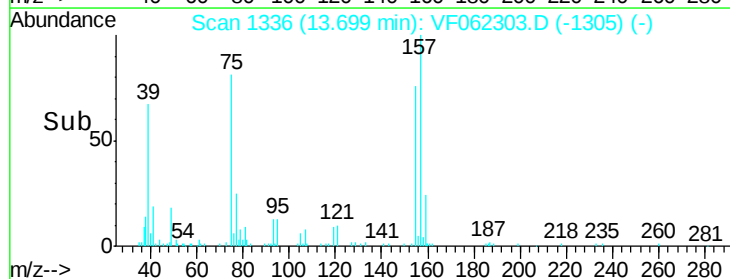
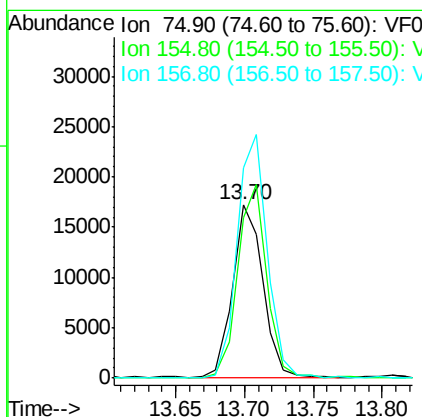
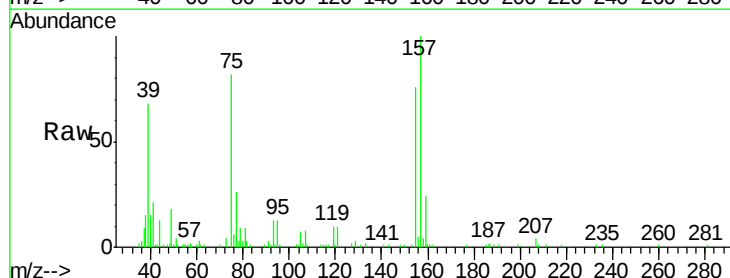
Manual Integrations
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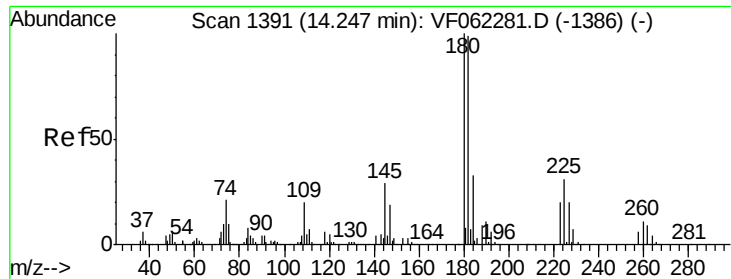
MMDadoda
 4/29/2019 3:59:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.529 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26624		
155	107.0	51.7	155.2	
157	139.1	64.5	193.5	





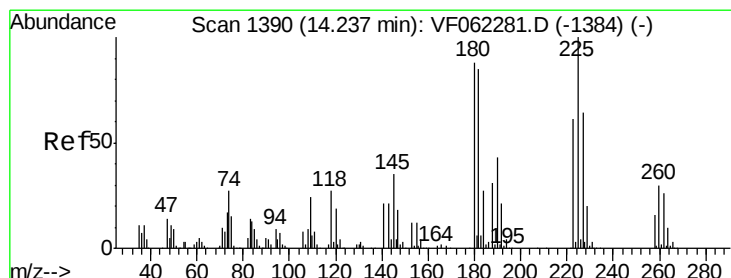
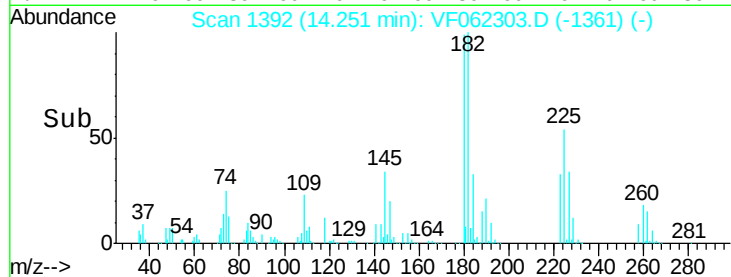
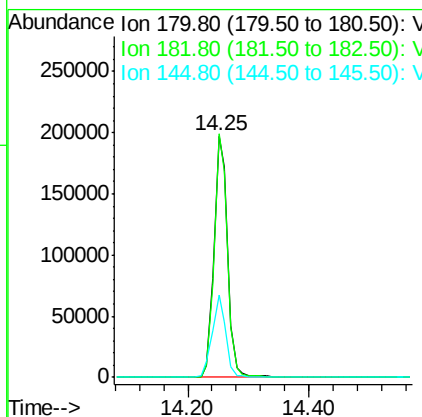
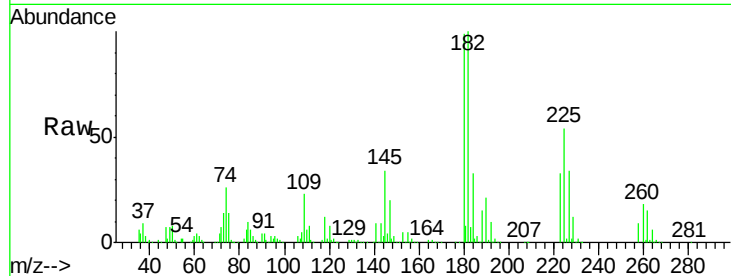
#93
 1,2,4-Trichlorobenzene
 Concen: 52.340 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	308704		
182	98.3	48.5	145.6	
145	34.3	16.7	50.1	

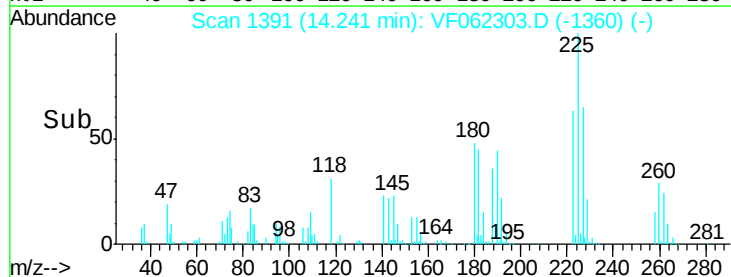
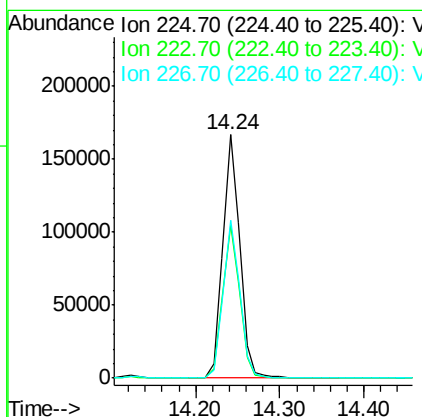
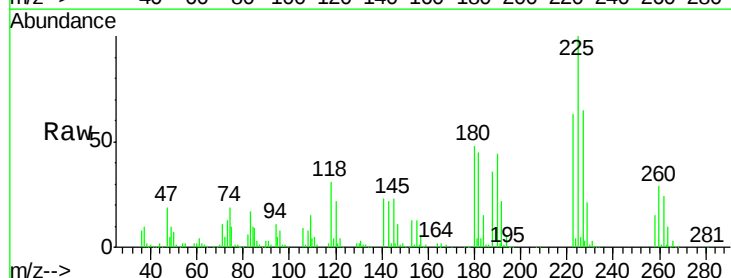
Manual Integrations
 APPROVED

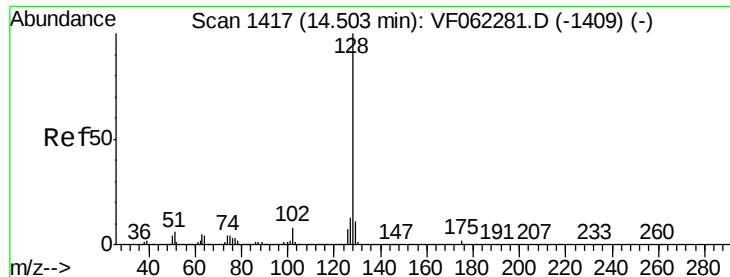
MMDadoda
 4/29/2019 3:59:39 PM



#94
 Hexachlorobutadiene
 Concen: 55.361 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062303.D
 Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	234827		
223	62.8	30.8	92.3	
227	64.1	31.9	95.5	





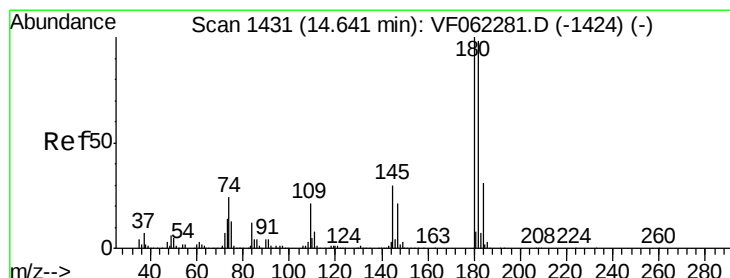
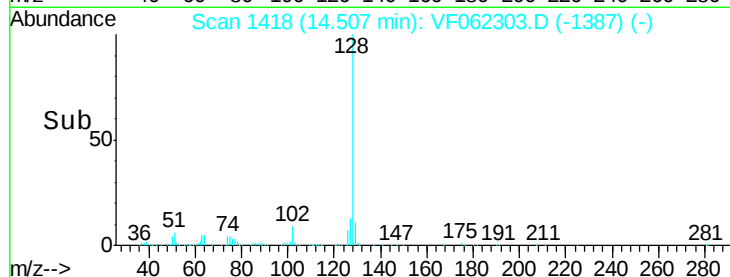
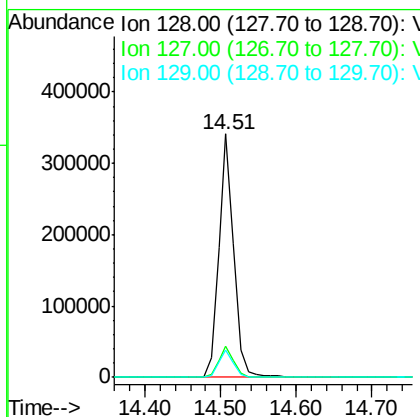
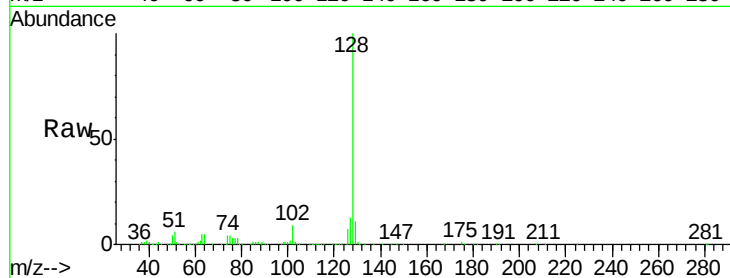
#95
Naphthalene
Concen: 51.944 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.3	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
4/29/2019 3:59:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.963 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VF062303.D
Acq: 26 Apr 2019 12:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	49.0	147.2
145	29.7	14.5	43.5

