

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062145.D
 Acq On : 26 Mar 2019 14:51
 Operator : VA/AP
 Sample : VF0326SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:01:40 PM

Quant Time: Mar 27 09:51:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	244874	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	375533	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	328474	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	172447	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	87287	47.92	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	95.84%	
35) Dibromofluoromethane	4.10	113	124818	49.13	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	7.53	98	360070	47.48	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.40	95	144111	49.23	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	71905	22.921	ug/l	95
3) Chloromethane	1.09	50	77383	23.575	ug/l #	88
4) Vinyl Chloride	1.14	62	73535	24.220	ug/l	99
5) Bromomethane	1.31	94	47157	21.607	ug/l	91
6) Chloroethane	1.38	64	36821	24.091	ug/l	99
7) Trichlorofluoromethane	1.48	101	92440	25.209	ug/l	99
8) Diethyl Ether	1.62	74	17672	21.098	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.82	101	63740	25.479	ug/l	90
10) Methyl Iodide	1.90	142	117409m	24.698	ug/l	
11) Tert butyl alcohol	2.56	59	10299	102.768	ug/l #	72
12) 1,1-Dichloroethene	1.79	96	57415	24.324	ug/l	93
13) Acrolein	1.99	56	12358	102.547	ug/l	86
14) Allyl chloride	2.09	41	65936	26.164	ug/l	98
15) Acrylonitrile	2.93	53	39023	110.732	ug/l	90
16) Acetone	2.23	43	43991	114.757	ug/l	95
17) Carbon Disulfide	1.81	76	173969	24.170	ug/l	95
18) Methyl Acetate	2.33	43	21388	23.390	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	84057	22.532	ug/l	94
20) Methylene Chloride	2.18	84	65584m	26.976	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	57769	25.437	ug/l	99
22) Diisopropyl ether	2.79	45	154444	23.375	ug/l	94
23) Vinyl Acetate	3.17	43	304104	112.414	ug/l	99
24) 1,1-Dichloroethane	2.86	63	91656	23.132	ug/l	99
25) 2-Butanone	4.32	43	86617	108.234	ug/l	100
26) 2,2-Dichloropropane	3.59	77	43234	26.912	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	68860	22.881	ug/l	91
28) Bromochloromethane	3.70	49	38631	23.863	ug/l	99
29) Tetrahydrofuran	4.06	42	37950	109.068	ug/l	93
30) Chloroform	3.84	83	99638	23.795	ug/l	99
31) Cyclohexane	3.68	56	94667	22.876	ug/l	92
32) 1,1,1-Trichloroethane	4.08	97	62663	24.601	ug/l	97
36) 1,1-Dichloropropene	4.26	75	82703	23.121	ug/l	91
37) Ethyl Acetate	4.09	43	33391	21.360	ug/l #	67
38) Carbon Tetrachloride	3.98	117	60355	24.757	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	99034	23.855	ug/l	96
40) Benzene	4.61	78	218394	22.775	ug/l	96
41) Methacrylonitrile	4.73	41	19105	23.098	ug/l	96
42) 1,2-Dichloroethane	4.93	62	52540	23.170	ug/l	94
43) Isopropyl Acetate	6.94	43	42752	22.582	ug/l #	91
44) Trichloroethene	5.49	130	68726	23.442	ug/l	97
45) 1,2-Dichloropropane	6.22	63	52094	22.777	ug/l	97
46) Dibromomethane	6.07	93	31127	22.259	ug/l	89
47) Bromodichloromethane	6.37	83	71458	23.070	ug/l	95
48) Methyl methacrylate	6.70	41	24748	22.959	ug/l	90
49) 1,4-Dioxane	6.69	88	3913	413.712	ug/l #	77
51) 4-Methyl-2-Pentanone	8.24	43	150941	119.122	ug/l	96
52) Toluene	7.61	92	125591	22.612	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	56786	23.354	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	79750	22.922	ug/l	96
55) 1,1,2-Trichloroethane	8.48	97	36237	22.970	ug/l	98
56) Ethyl methacrylate	8.61	69	41005	21.794	ug/l	92
57) 1,3-Dichloropropane	8.83	76	59235	22.623	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	28321	99.198	ug/l	100
59) 2-Hexanone	9.47	43	102138	109.983	ug/l	100
60) Dibromochloromethane	8.69	129	51193	23.342	ug/l	100
61) 1,2-Dibromoethane	8.97	107	39324	23.364	ug/l	95
64) Tetrachloroethene	8.13	164	58757	23.153	ug/l	94
65) Chlorobenzene	9.78	112	141579	23.036	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	56382	22.838	ug/l	93
67) Ethyl Benzene	9.88	91	245406	22.960	ug/l	98
68) m/p-Xylenes	10.11	106	193190	48.359	ug/l	96
69) o-Xylene	10.70	106	95867	22.913	ug/l	88
70) Styrene	10.77	104	145349	22.928	ug/l	99
71) Bromoform	10.76	173	27682	21.922	ug/l	97
73) Isopropylbenzene	11.11	105	288957	23.813	ug/l	98
74) N-amyl acetate	11.36	43	66186	22.891	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	43954	21.096	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	32284m	22.017	ug/l	
77) Bromobenzene	11.48	156	66727	22.508	ug/l	98
78) n-propylbenzene	11.58	91	338455	24.020	ug/l	99
79) 2-Chlorotoluene	11.70	91	185359	23.668	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	231030	23.147	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	11950m	20.001	ug/l	
82) 4-Chlorotoluene	11.89	91	183906	22.902	ug/l	94
83) tert-Butylbenzene	12.12	119	249466	23.876	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	227888	23.290	ug/l	99
85) sec-Butylbenzene	12.29	105	323349	23.922	ug/l	100
86) p-Isopropyltoluene	12.45	119	281686	24.054	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	132505	24.057	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	124571	23.178	ug/l	97
89) n-Butylbenzene	12.84	91	271403	24.292	ug/l	98
90) Hexachloroethane	12.90	117	65741	23.576	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	121523	23.497	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7067	22.386	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	85062	23.598	ug/l	97
94) Hexachlorobutadiene	14.18	225	55915	23.330	ug/l	96
95) Naphthalene	14.44	128	142875	22.619	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	76477	22.666	ug/l	97

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

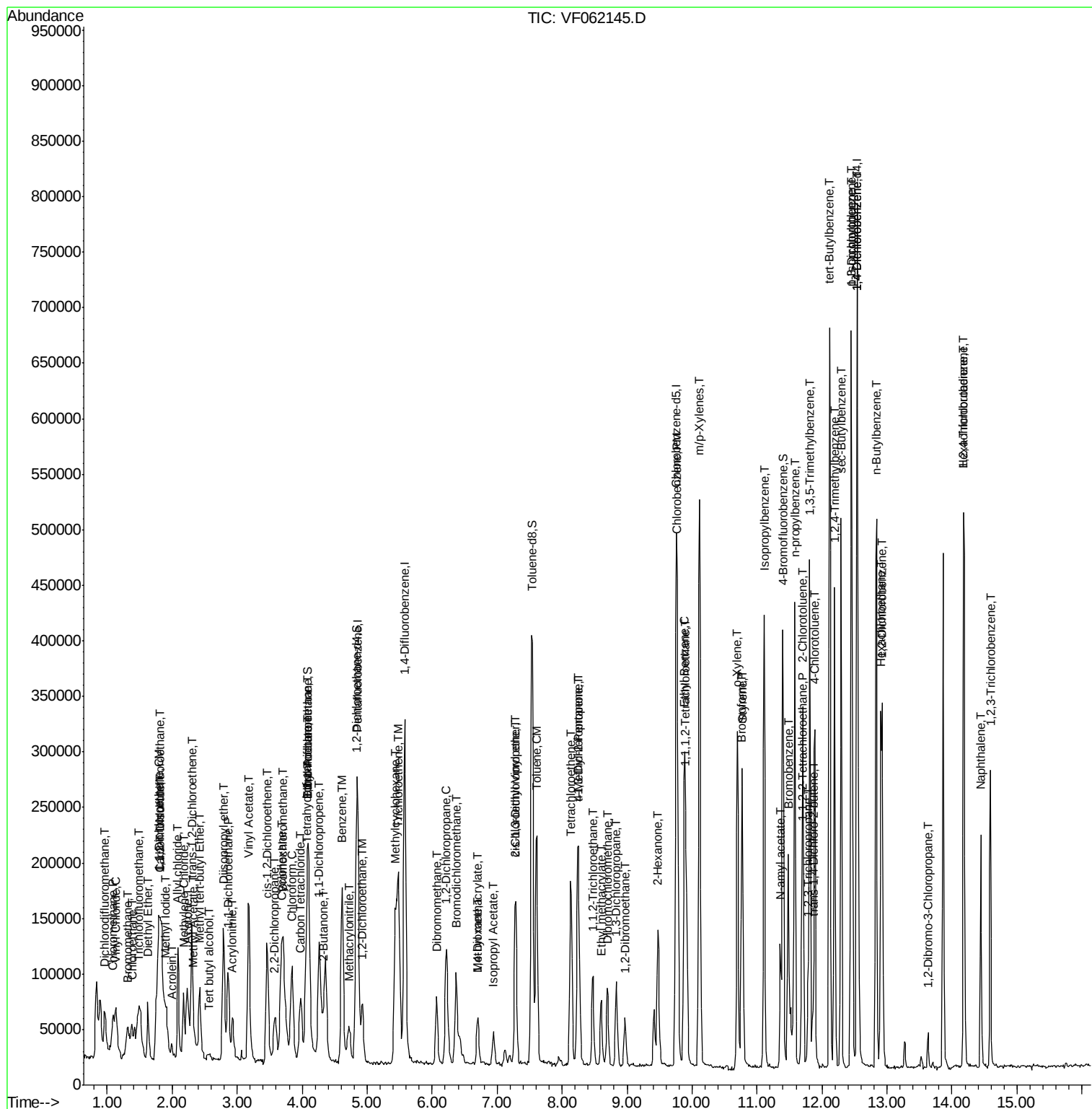
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032619\
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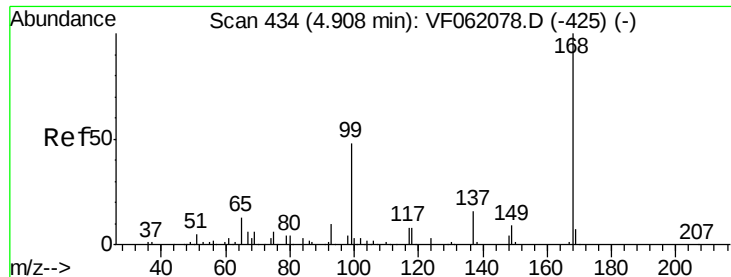
Instrument :
 MSVOA_F
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion:168 Resp: 244874

Ion Ratio Lower Upper

168 100

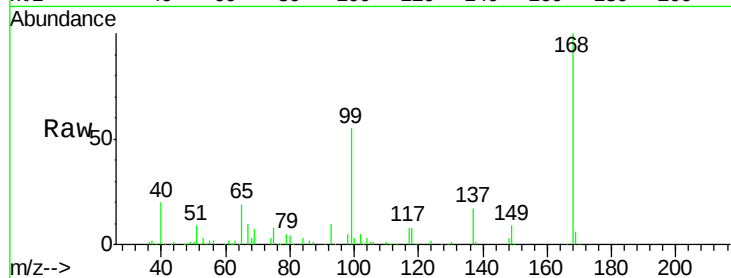
99 54.7 38.2 57.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

20000

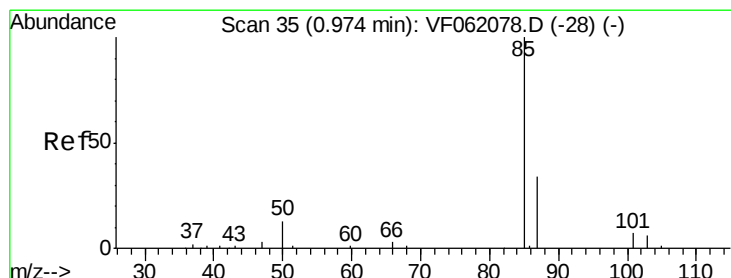
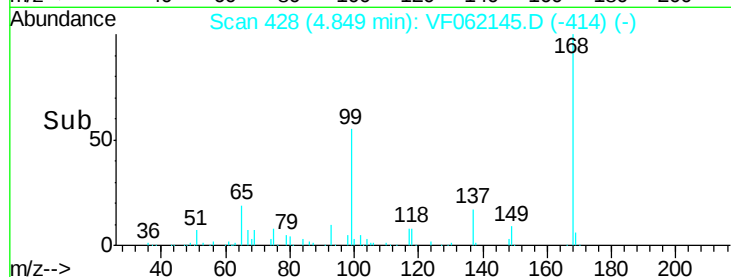
0

4.80

4.85

5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.921 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062145.D

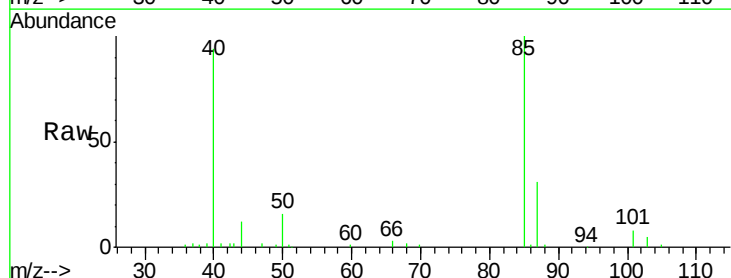
Acq: 26 Mar 2019 14:51

Tgt Ion: 85 Resp: 71905

Ion Ratio Lower Upper

85 100

87 30.9 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

25000

20000

15000

10000

5000

0

0.80

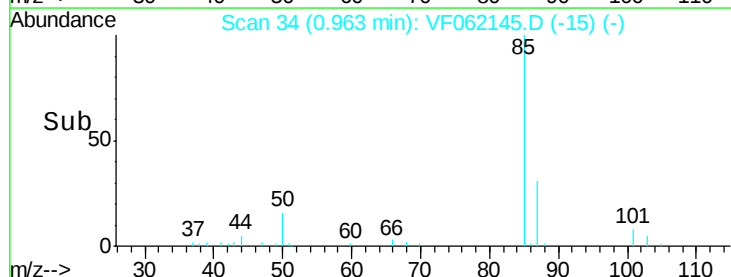
0.90

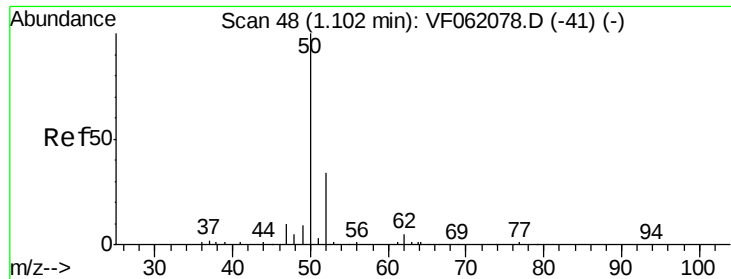
0.96

1.00

1.10

Time-->





#3

Chloromethane

Concen: 23.575 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 50 Resp: 77383

Ion Ratio Lower Upper

50 100

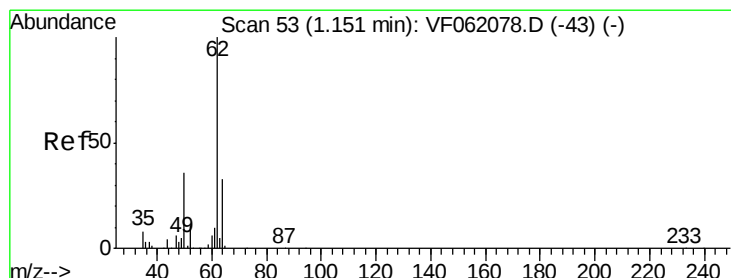
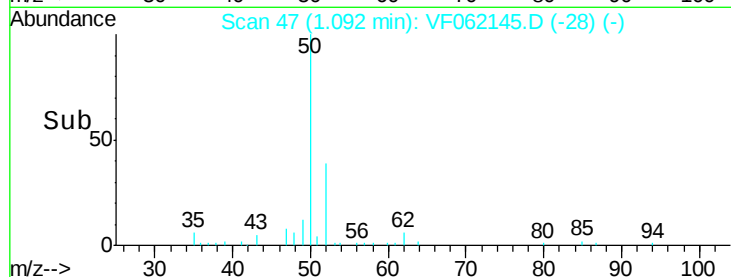
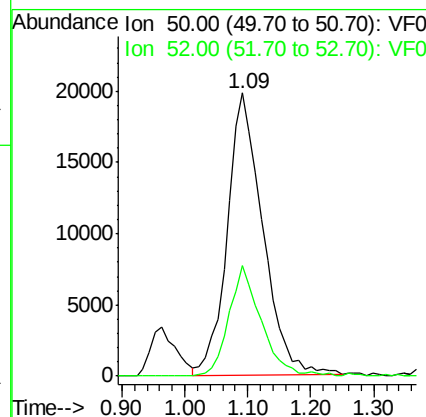
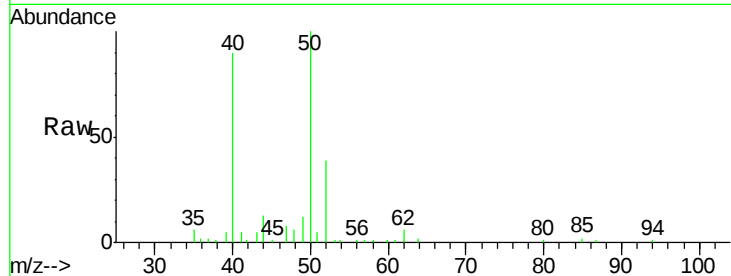
52 39.2 26.1 39.1#

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.220 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062145.D

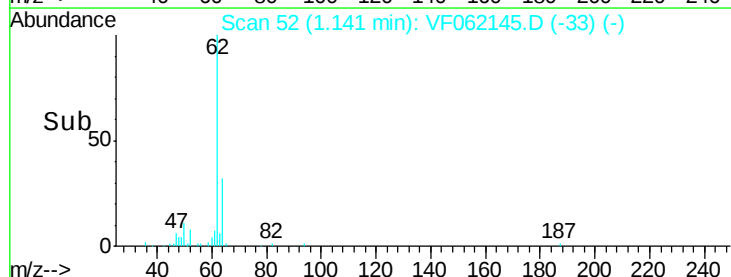
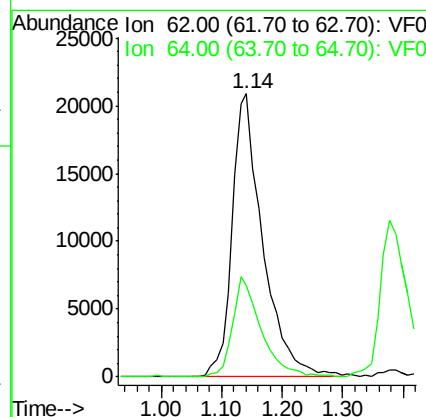
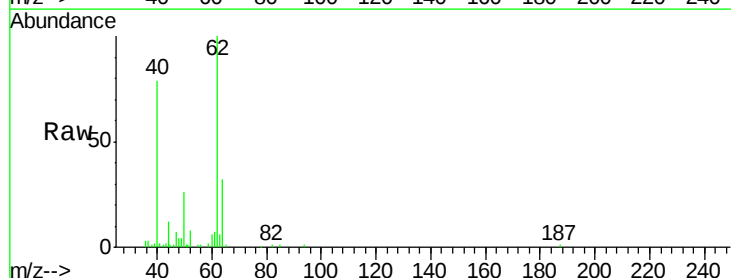
Acq: 26 Mar 2019 14:51

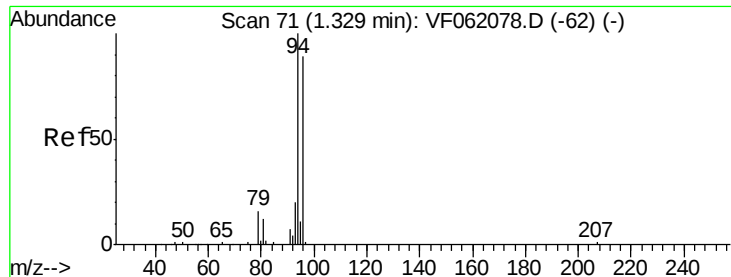
Tgt Ion: 62 Resp: 73535

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2





#5

Bromomethane

Concen: 21.607 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tot Ion: 94 Resp: 47157

Ion Ratio Lower Upper

94 100

96 96.9 70.9 106.3

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MSVOA_F

ClientSampleId :

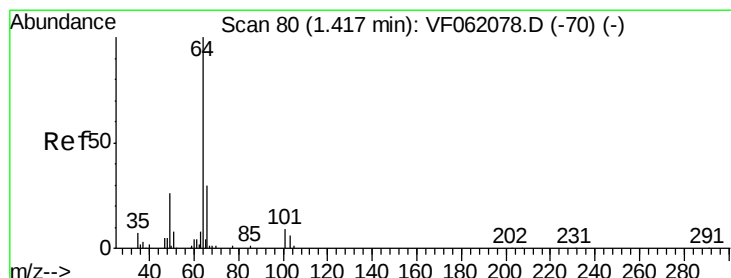
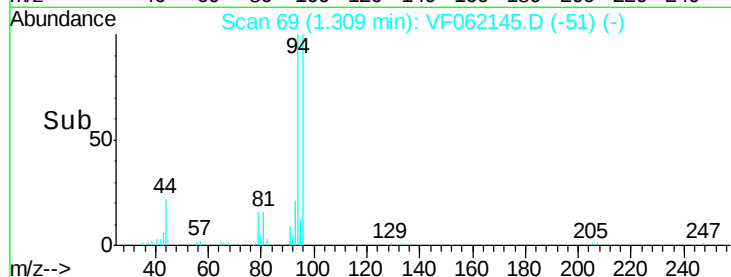
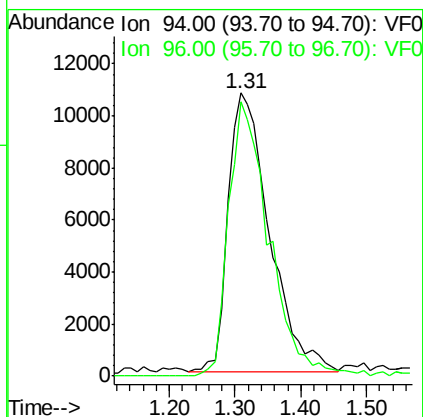
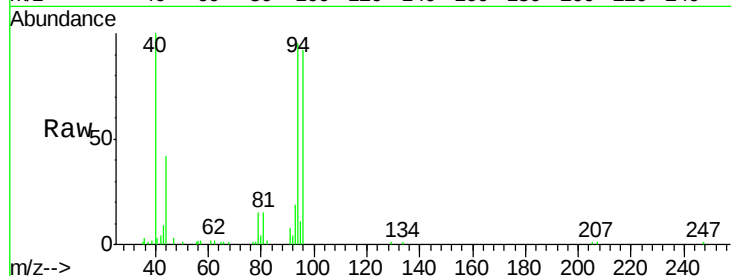
VF0326SBSD01

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#6

Chloroethane

Concen: 24.091 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.04 min

Lab File: VF062145.D

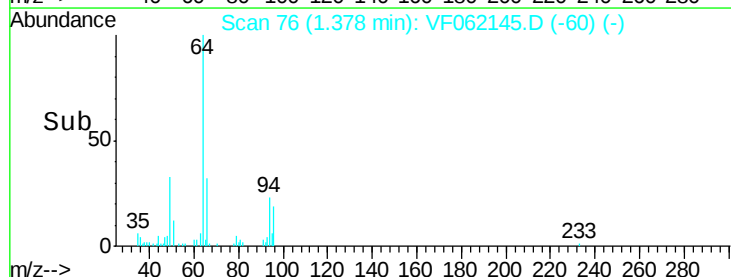
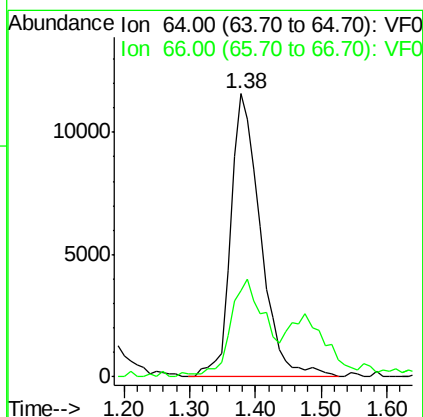
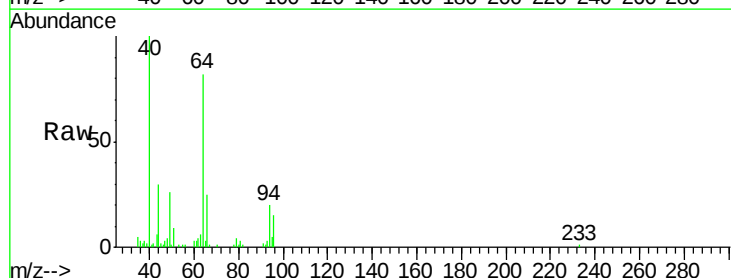
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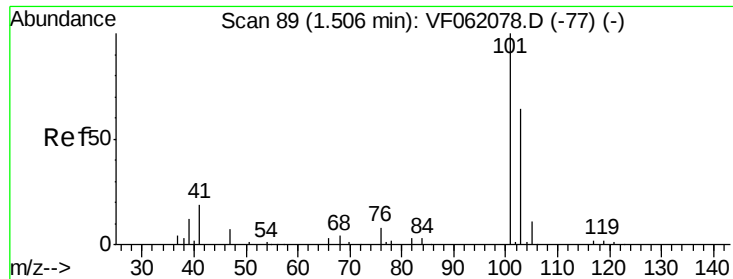
Tgt Ion: 64 Resp: 36821

Ion Ratio Lower Upper

64 100

66 30.3 24.5 36.7





#7

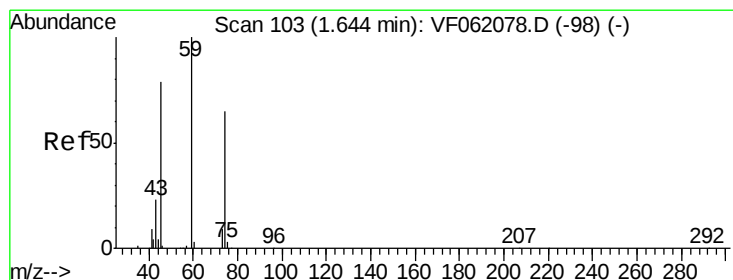
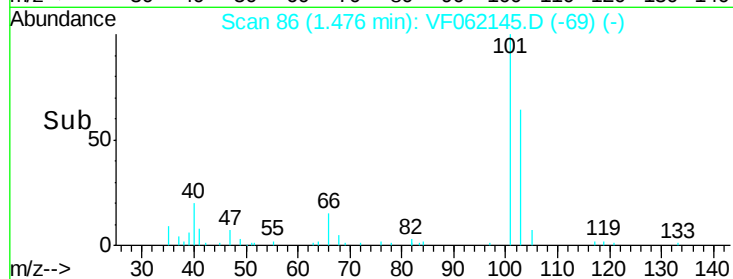
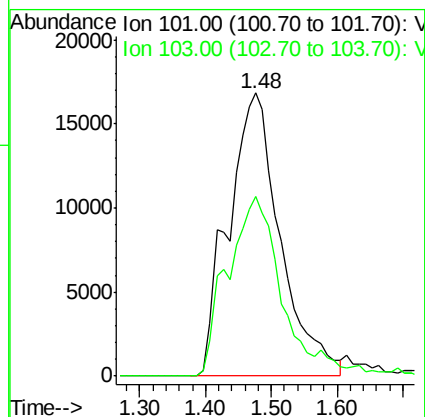
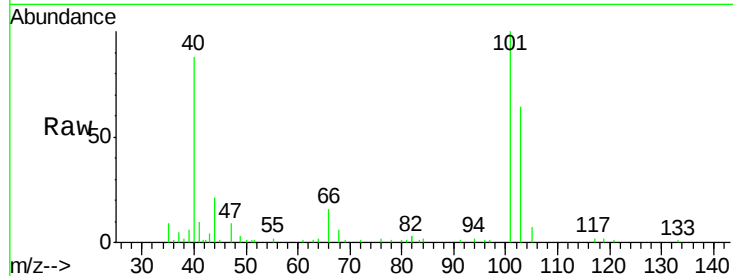
Trichlorofluoromethane
Concen: 25.209 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

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VF0326SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.5	77.3

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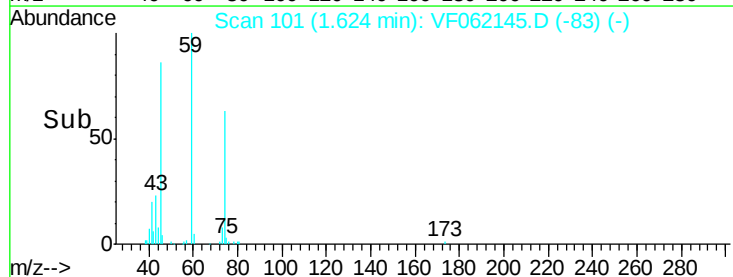
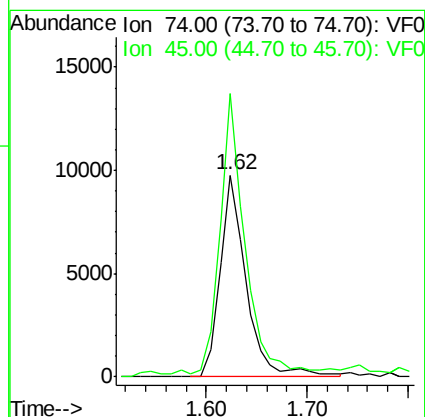
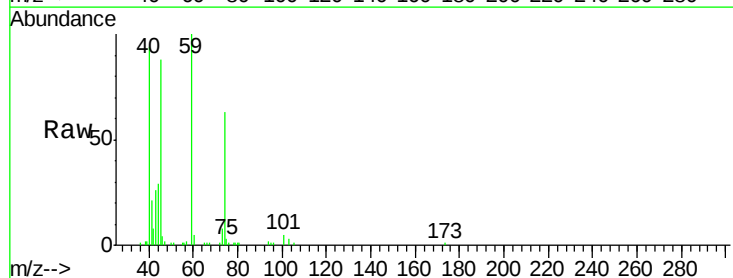
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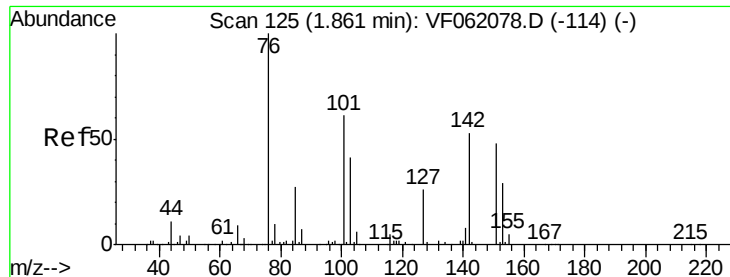


#8

Diethyl Ether
Concen: 21.098 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF062145.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.3	61.4	184.2





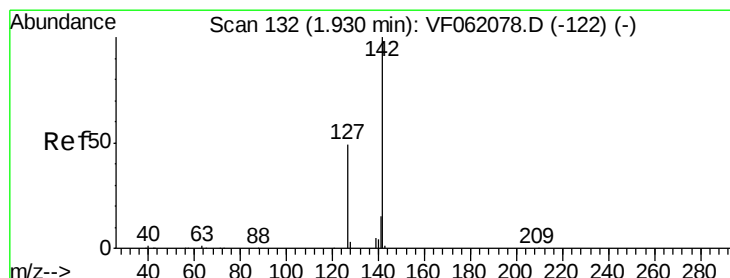
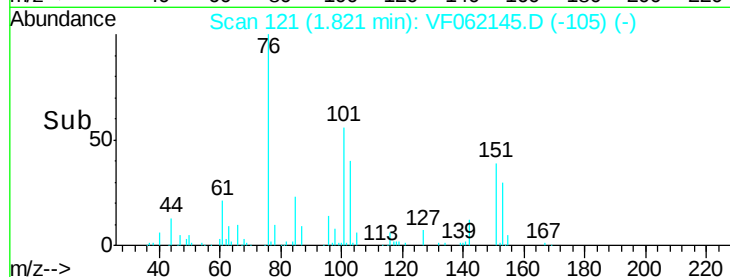
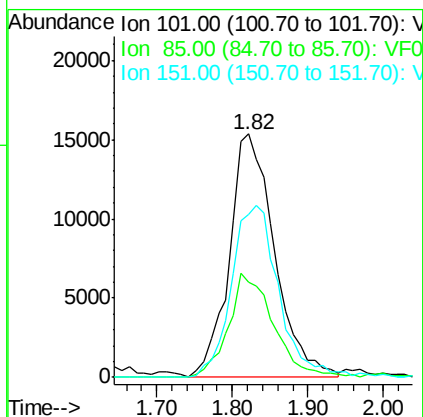
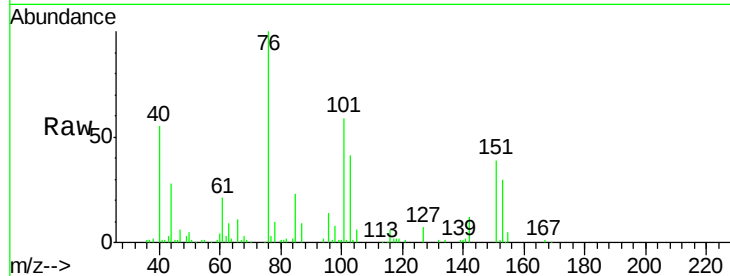
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 25.479 ug/l
 RT: 1.82 min Scan# 121
 Delta R.T. -0.04 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	39.3	34.6	52.0
151	67.1	61.7	92.5

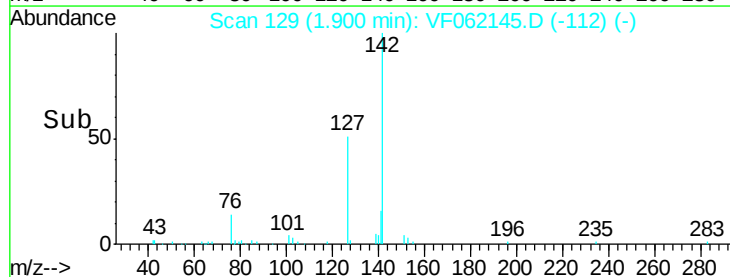
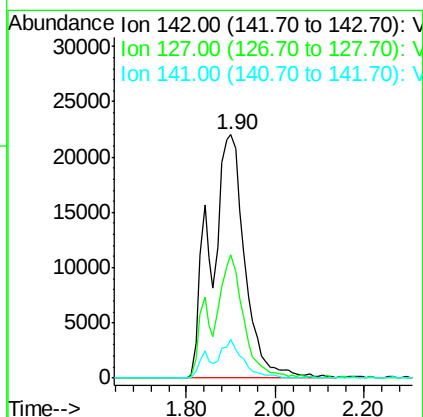
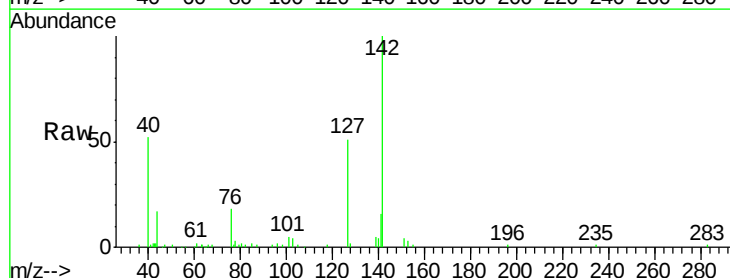
Manual Integrations
 APPROVED

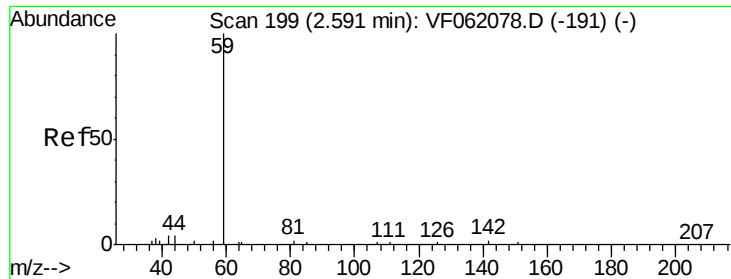
MMDadoda
 3/27/2019 12:01:40 PM



#10
 Methyl Iodide
 Concen: 24.698 ug/l m
 RT: 1.90 min Scan# 129
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Lower	Upper
142	100		
127	50.6	39.1	58.7
141	15.8	12.2	18.4





#11

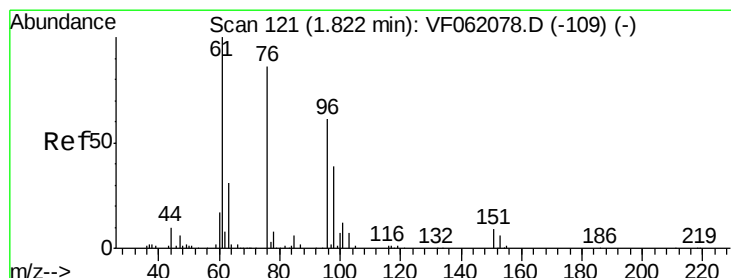
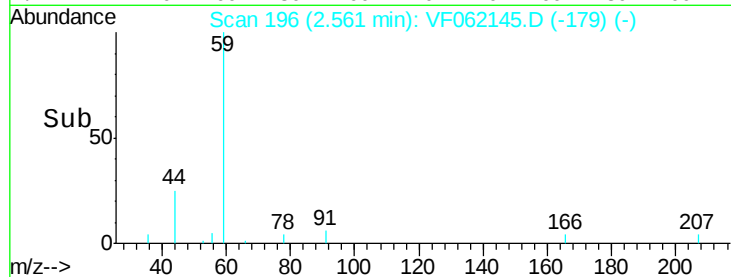
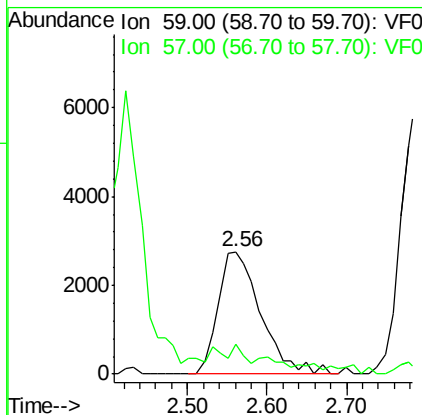
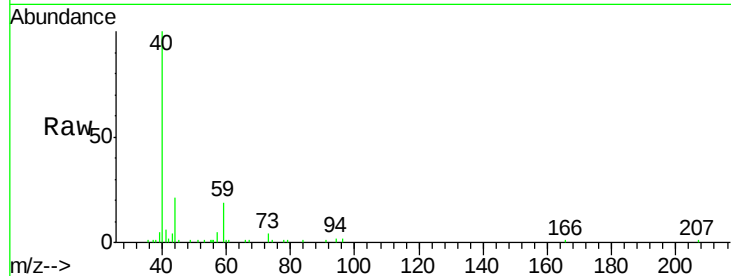
Tert butyl alcohol
Concen: 102.768 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion: 59 Resp: 10299
Ion Ratio Lower Upper
59 100
57 25.0 11.0 16.4#

Manual Integrations
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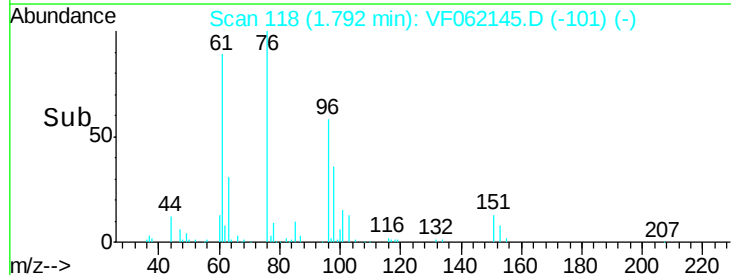
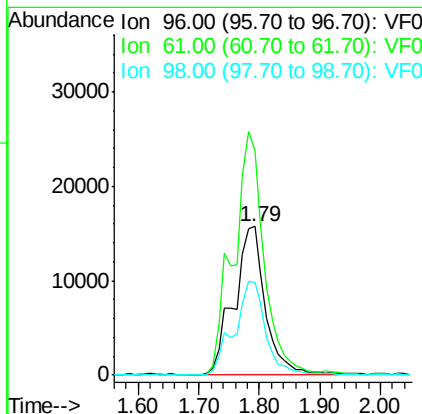
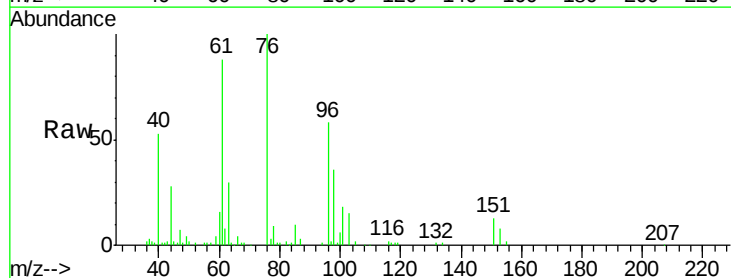
MMDadoda
3/27/2019 12:01:40 PM

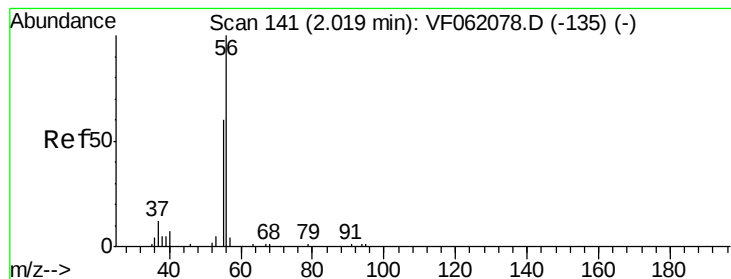


#12

1,1-Dichloroethene
Concen: 24.324 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 96 Resp: 57415
Ion Ratio Lower Upper
96 100
61 151.2 131.0 196.6
98 62.3 51.5 77.3





#13

Acrolein

Concen: 102.547 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 56 Resp: 12358

Ion Ratio Lower Upper

56 100

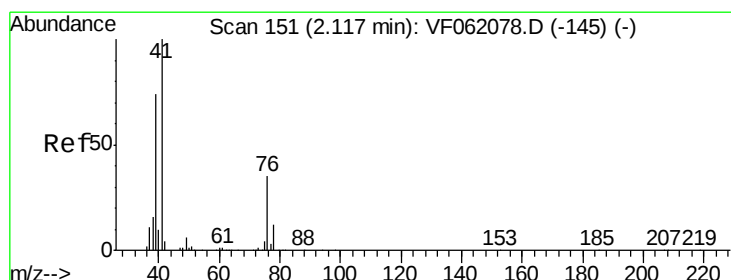
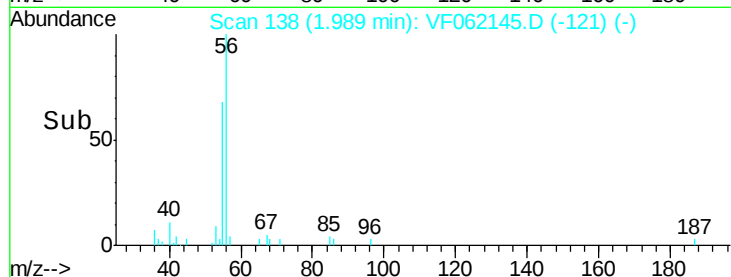
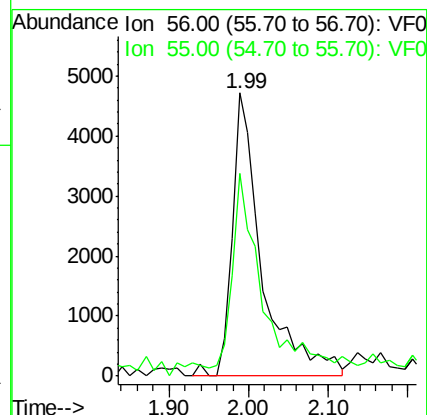
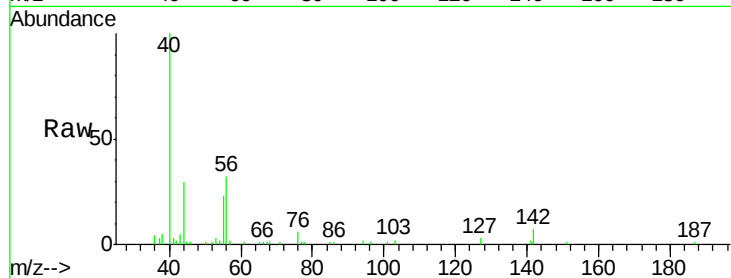
55 71.6 49.0 73.4

Manual Integrations

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#14

Allyl chloride

Concen: 26.164 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

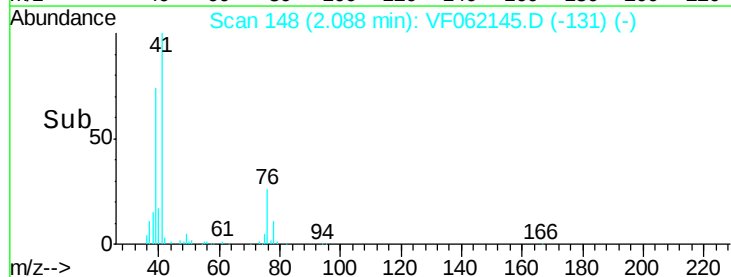
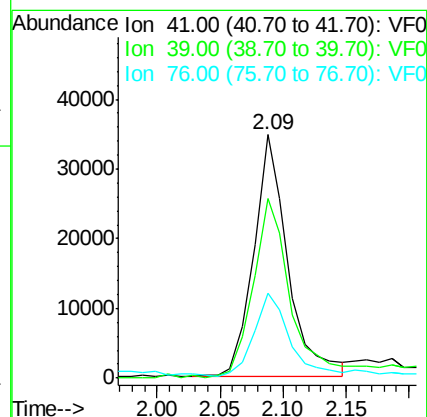
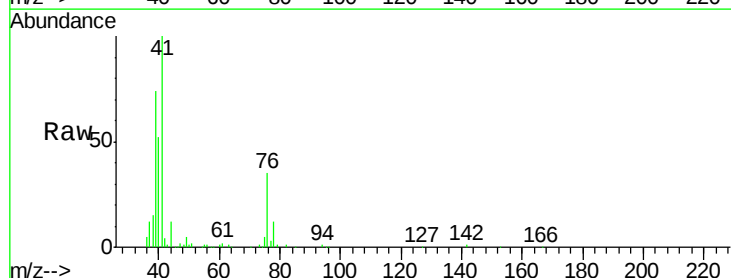
Tgt Ion: 41 Resp: 65936

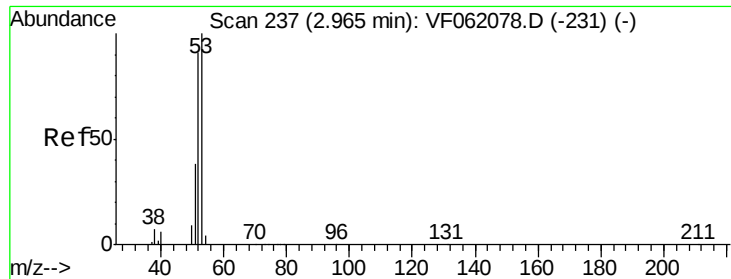
Ion Ratio Lower Upper

41 100

39 73.9 59.8 89.8

76 34.7 30.0 45.0





#15

Acrylonitrile

Concen: 110.732 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

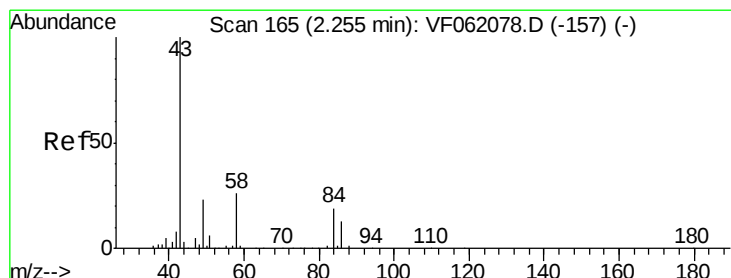
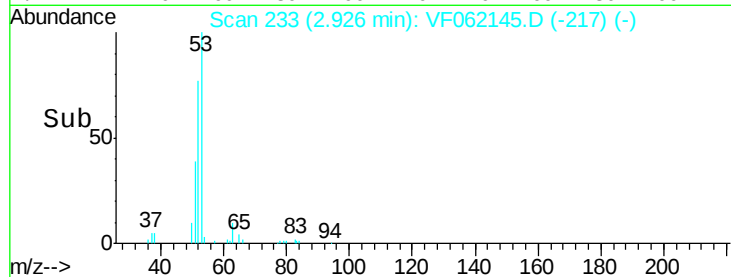
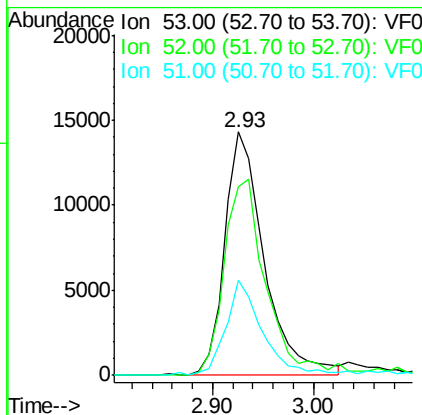
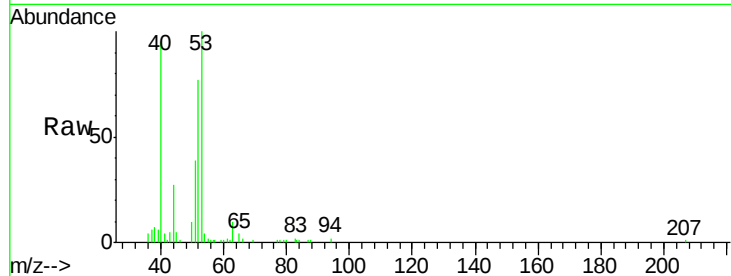
ClientSampleId :

VF0326SBS01

Tot Ion:	53	Resp:	39023
Ion	Ratio	Lower	Upper
53	100		
52	77.3	72.3	108.5
51	39.2	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 114.757 ug/l

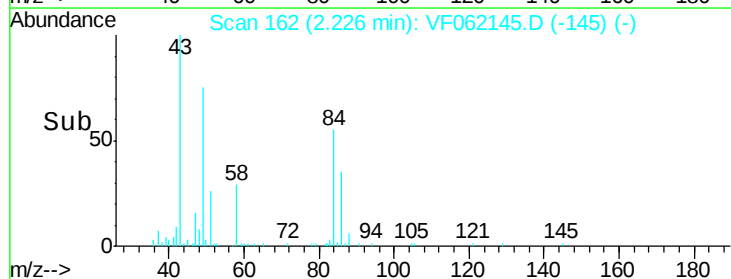
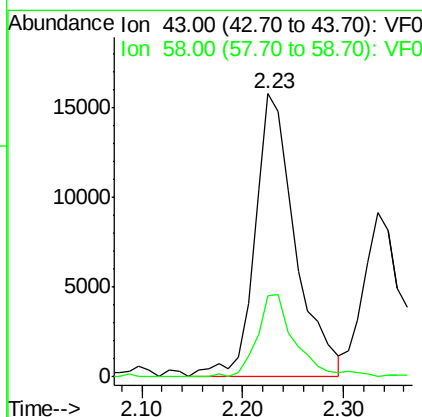
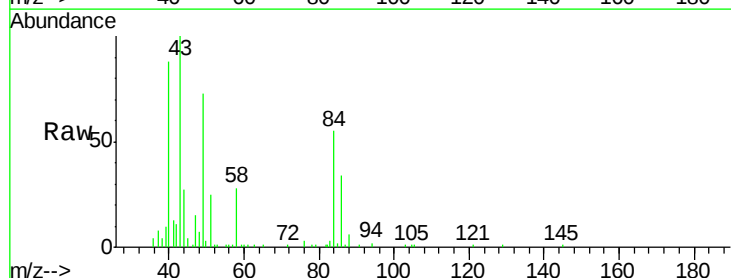
RT: 2.23 min Scan# 162

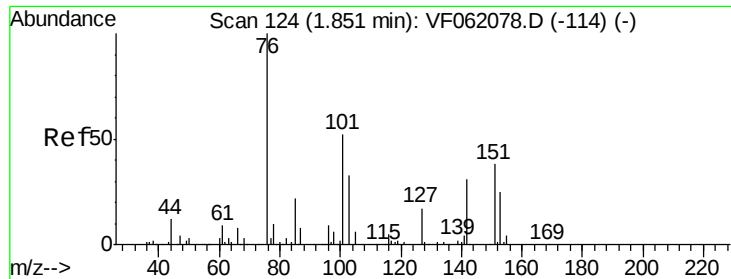
Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	43	Resp:	43991
Ion	Ratio	Lower	Upper
43	100		
58	28.5	20.8	31.2





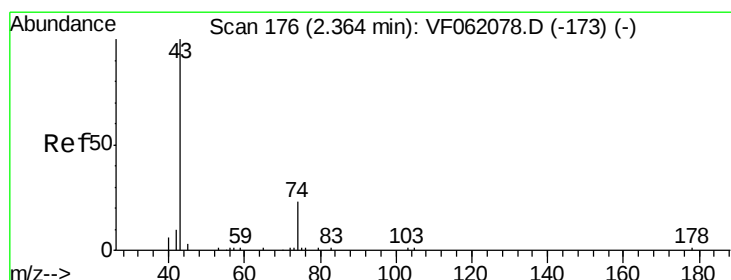
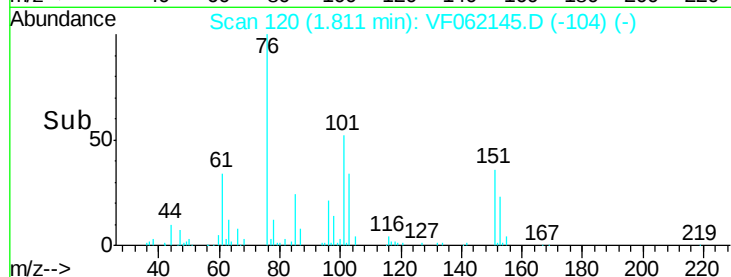
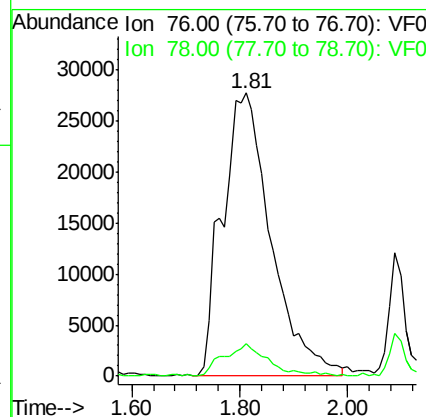
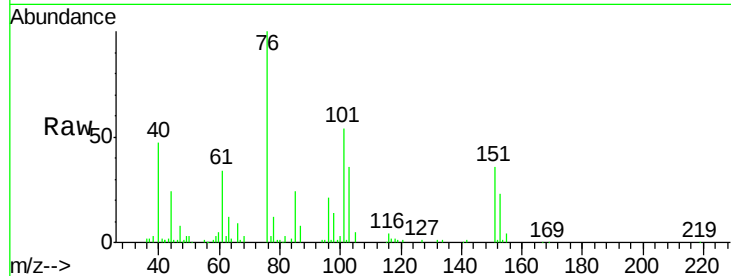
#17
Carbon Disulfide
Concen: 24.170 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.04 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion: 76 Resp: 173969
Ion Ratio Lower Upper
76 100
78 11.7 7.9 11.9

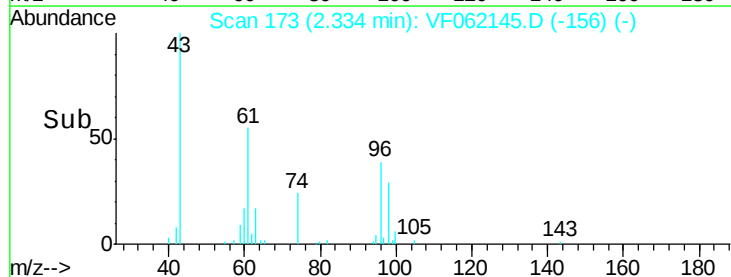
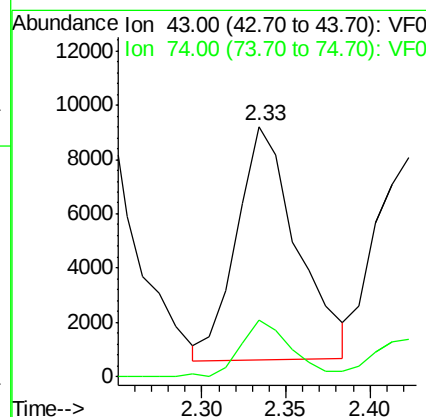
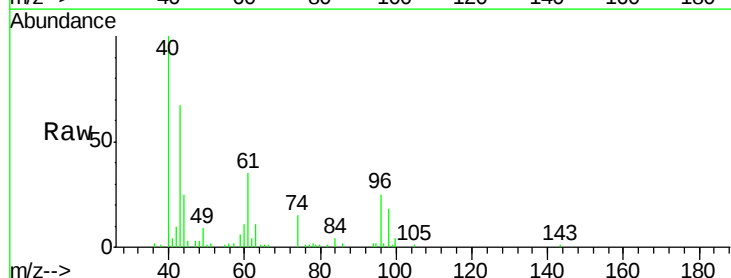
Manual Integrations
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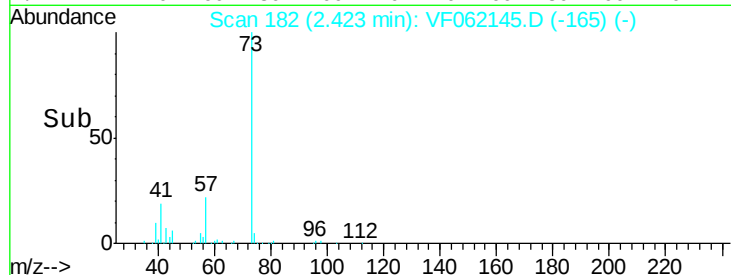
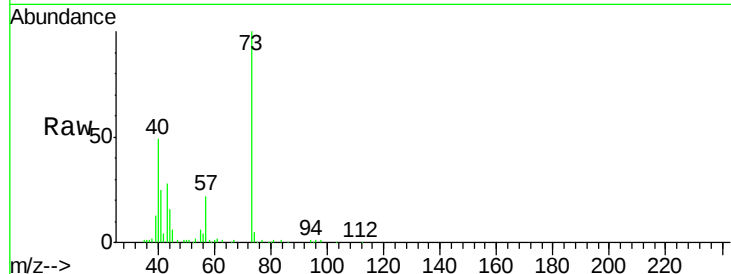
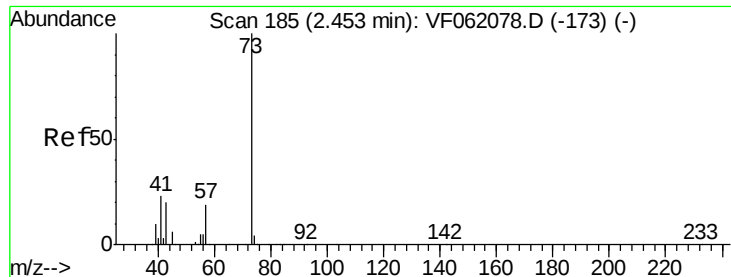
MMDadoda
3/27/2019 12:01:40 PM



#18
Methyl Acetate
Concen: 23.390 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 43 Resp: 21388
Ion Ratio Lower Upper
43 100
74 22.6 16.3 24.5





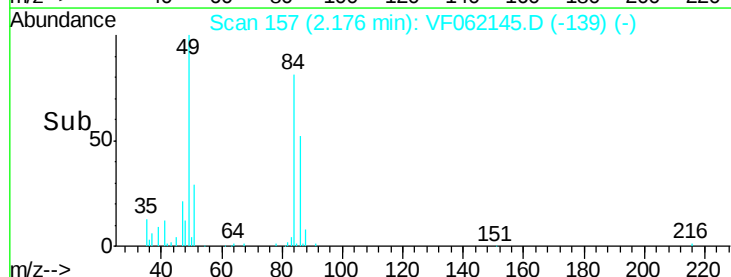
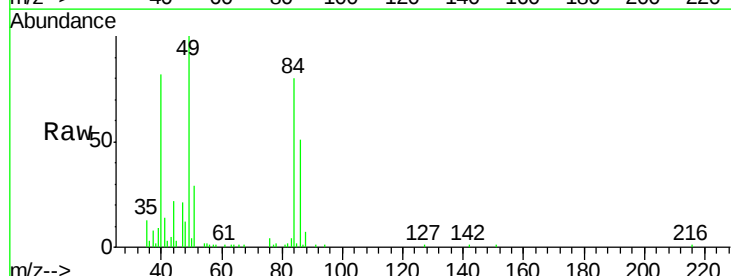
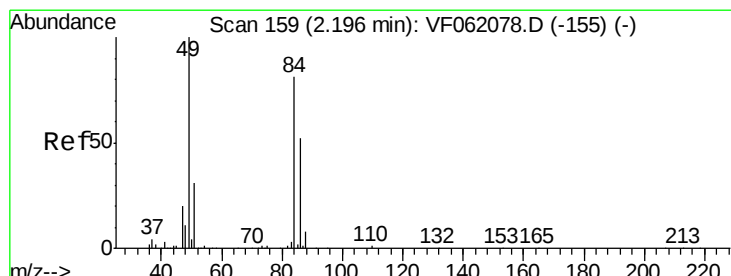
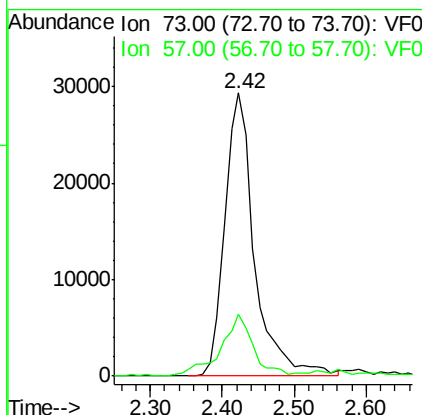
#19
Methyl tert-butyl Ether
Concen: 22.532 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tot Ion: 73 Resp: 84057
Ion Ratio Lower Upper
73 100
57 21.7 15.1 22.7

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

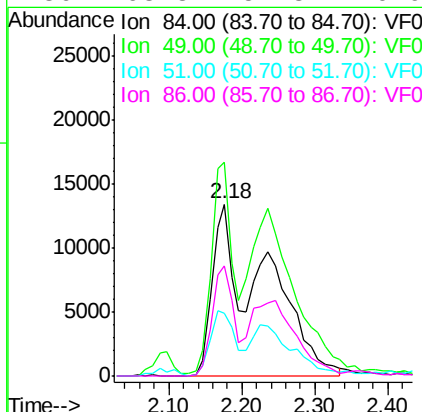
Manual Integrations
APPROVED

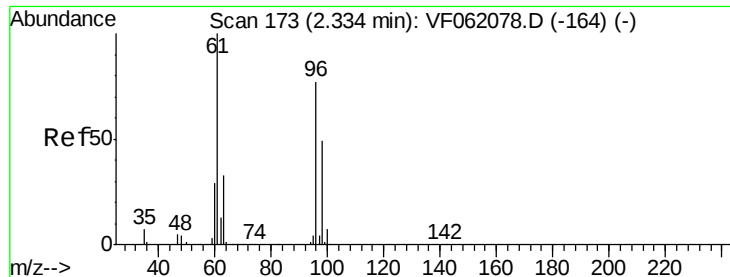
MMDadoda
3/27/2019 12:01:40 PM



#20
Methylene Chloride
Concen: 26.976 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 84 Resp: 65584
Ion Ratio Lower Upper
84 100
49 124.5 100.4 150.6
51 36.5 31.0 46.6
86 63.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 25.437 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 96 Resp: 57769

Ion Ratio Lower Upper

96 100

61 131.3 104.5 156.7

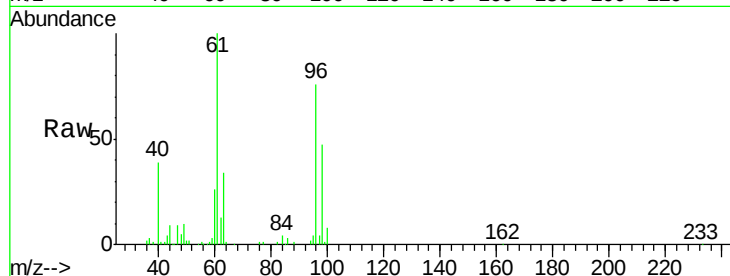
98 61.5 51.2 76.8

Manual Integrations

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MMDadoda

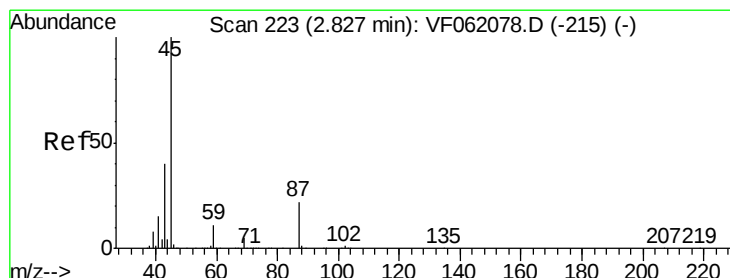
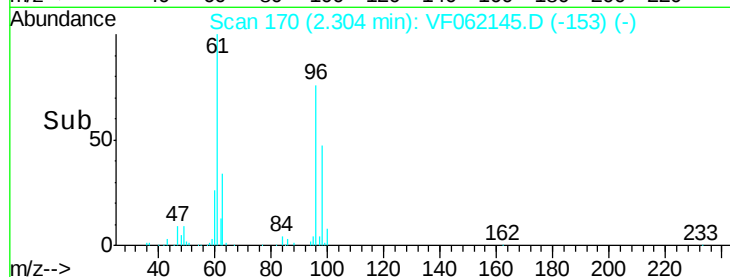
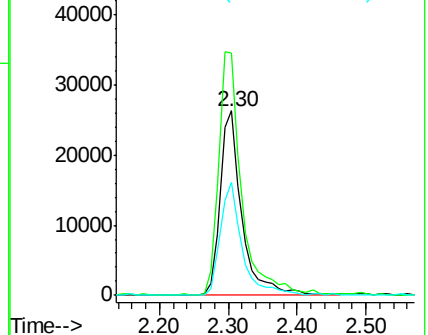
3/27/2019 12:01:40 PM



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 23.375 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion: 45 Resp: 154444

Ion Ratio Lower Upper

45 100

43 45.5 32.5 48.7

87 22.7 17.4 26.2

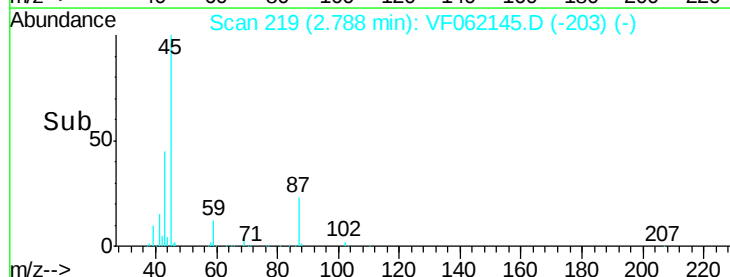
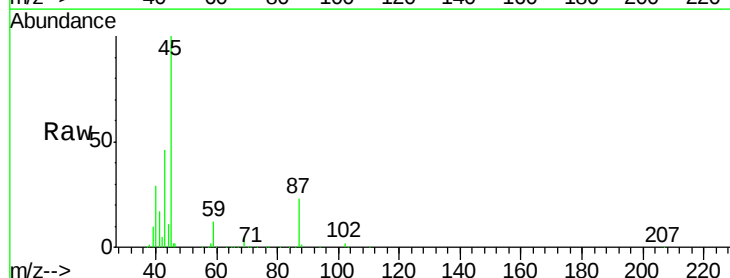
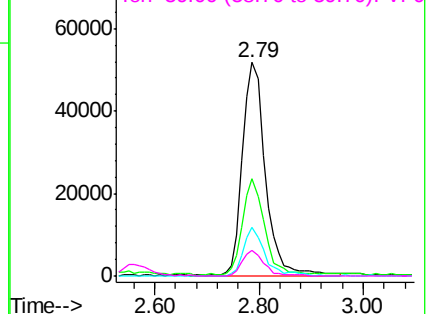
59 12.3 8.6 12.8

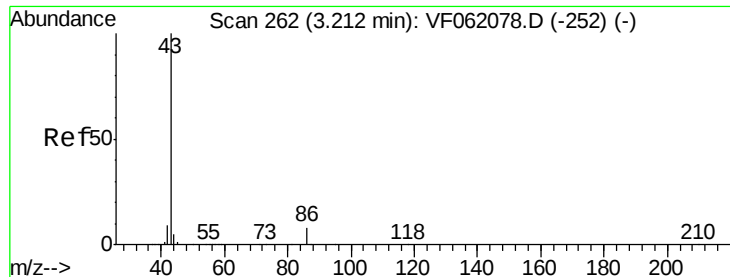
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 112.414 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 43 Resp: 304104

Ion Ratio Lower Upper

43 100

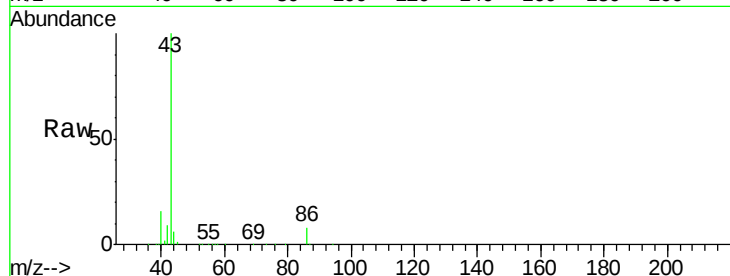
86 8.2 6.8 10.2

Manual Integrations

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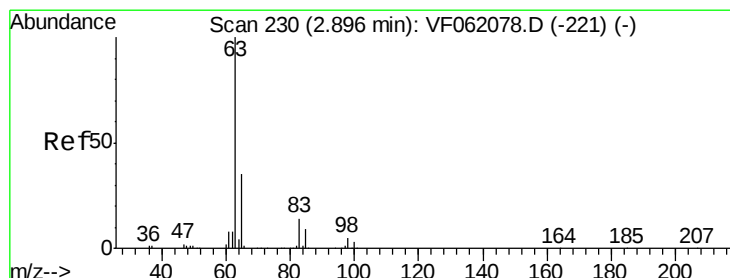
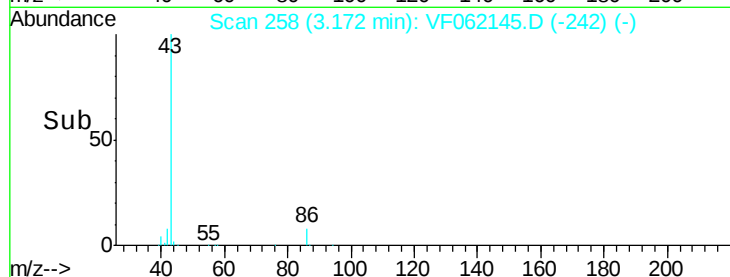
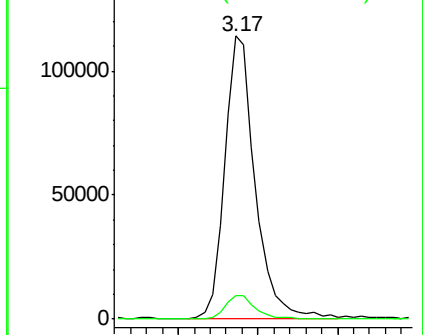
MMDadoda

3/27/2019 12:01:40 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: 23.132 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

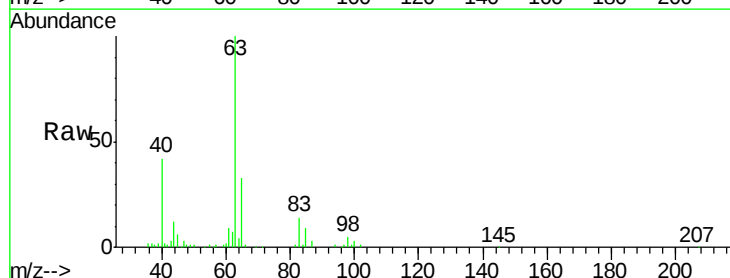
Tgt Ion: 63 Resp: 91656

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

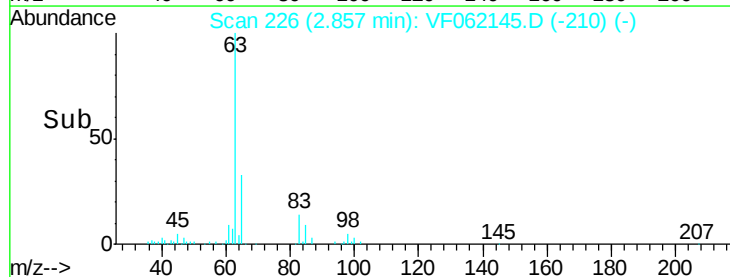
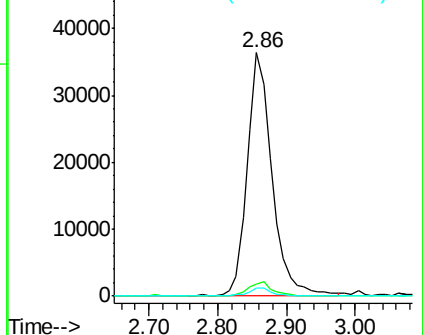
100 3.3 1.7 5.1

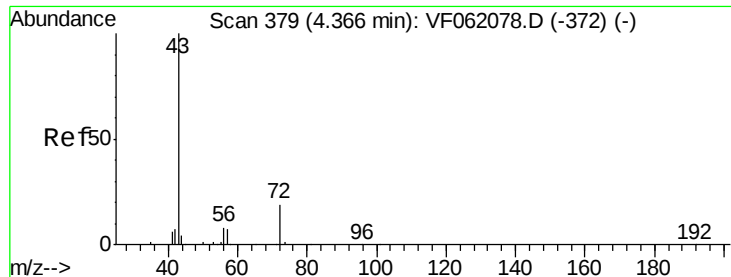


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 108.234 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 43 Resp: 86617

Ion Ratio Lower Upper

43 100

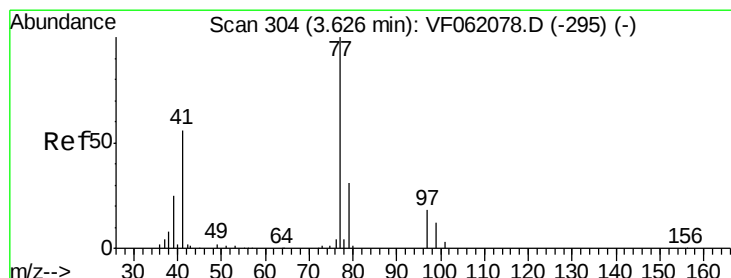
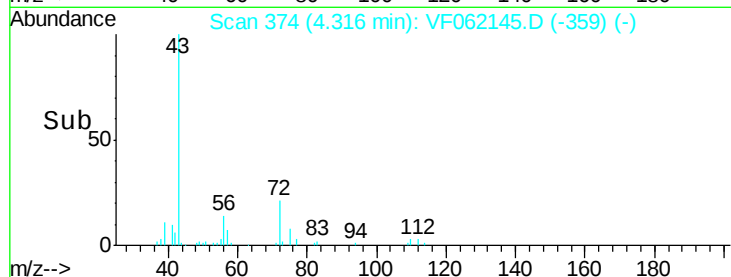
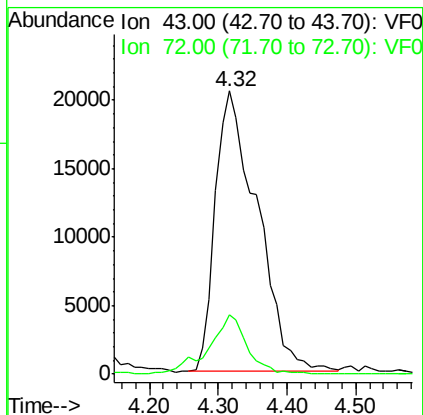
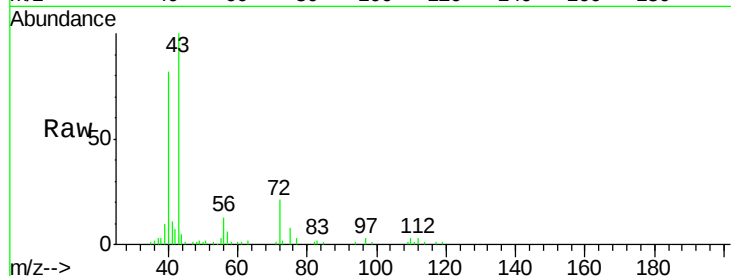
72 20.8 16.7 25.1

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#26

2,2-Dichloropropane

Concen: 26.912 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.04 min

Lab File: VF062145.D

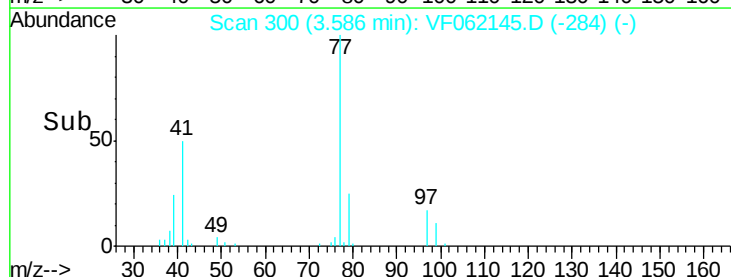
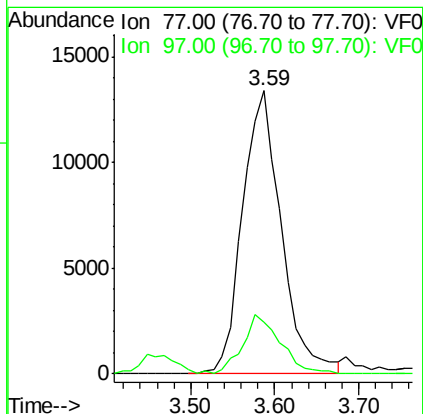
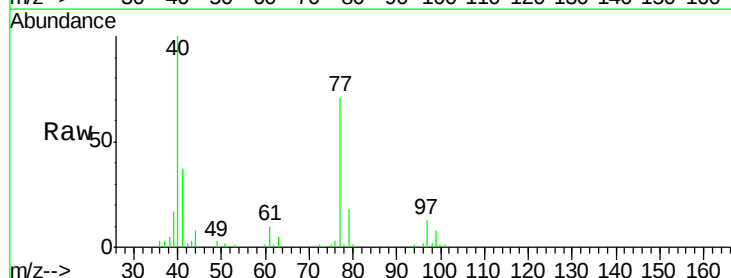
Acq: 26 Mar 2019 14:51

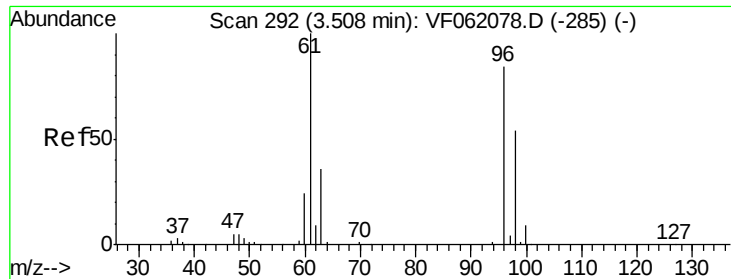
Tgt Ion: 77 Resp: 43234

Ion Ratio Lower Upper

77 100

97 18.1 10.3 30.9





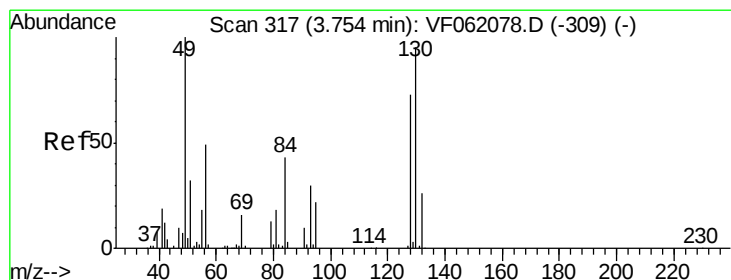
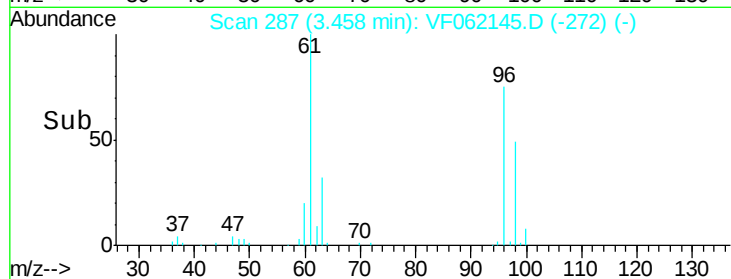
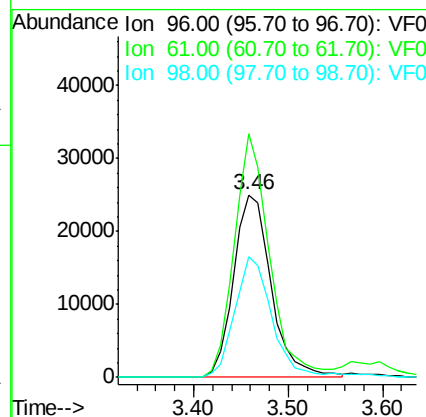
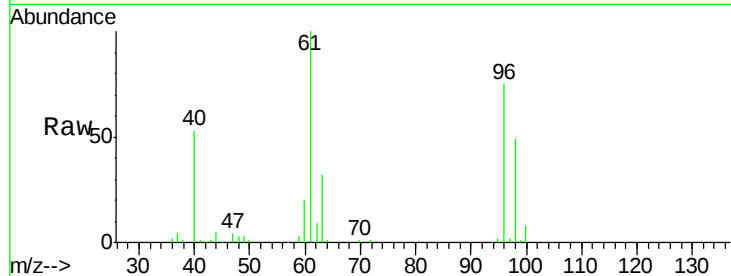
#27
 cis-1,2-Dichloroethene
 Concen: 22.881 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.05 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68860		
61	133.2	0.0	239.0	
98	65.8	0.0	128.2	

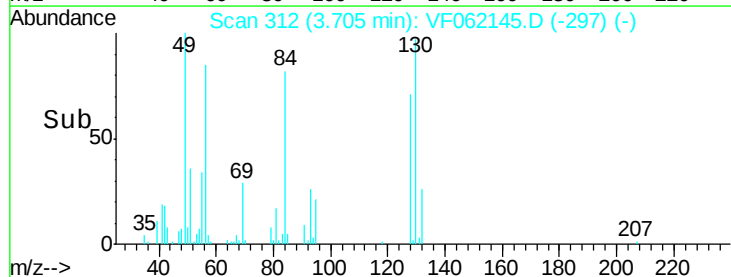
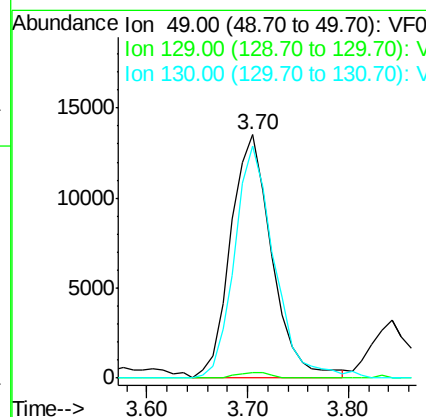
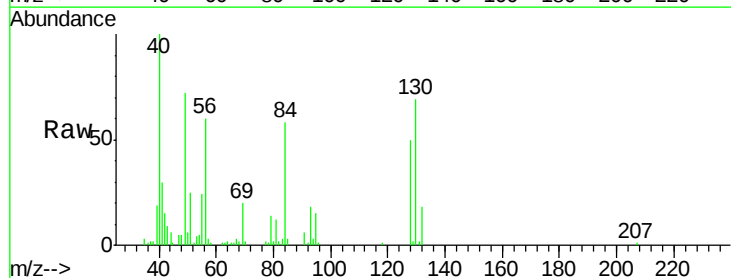
Manual Integrations
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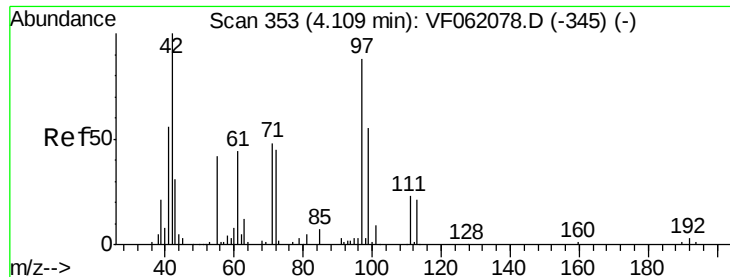
MMDadoda
 3/27/2019 12:01:40 PM



#28
 Bromochloromethane
 Concen: 23.863 ug/l
 RT: 3.70 min Scan# 312
 Delta R.T. -0.05 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	38631		
129	2.3	0.0	5.6	
130	95.4	75.5	113.3	





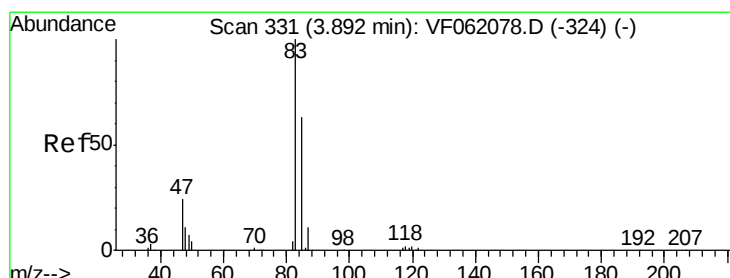
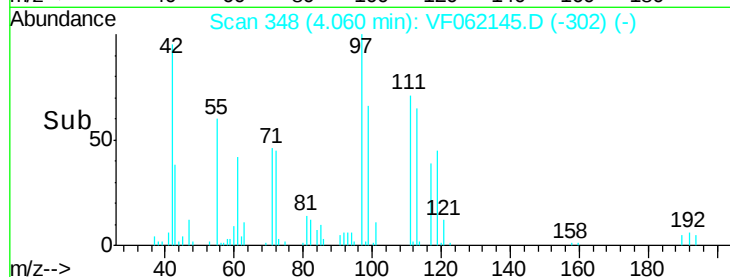
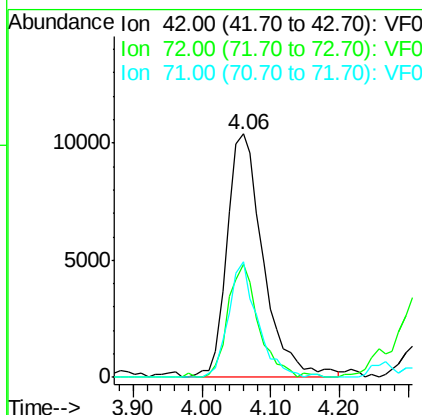
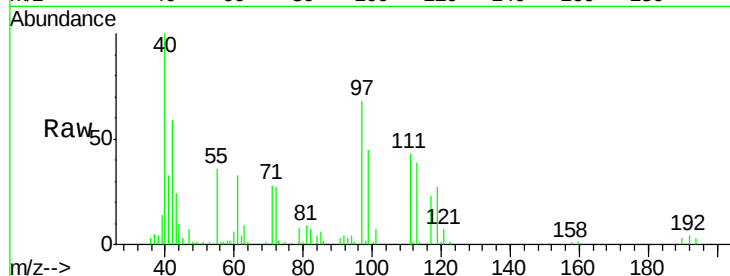
#29
Tetrahydrofuran
Concen: 109.068 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	33.3	49.9
71	38.0	35.0	52.4

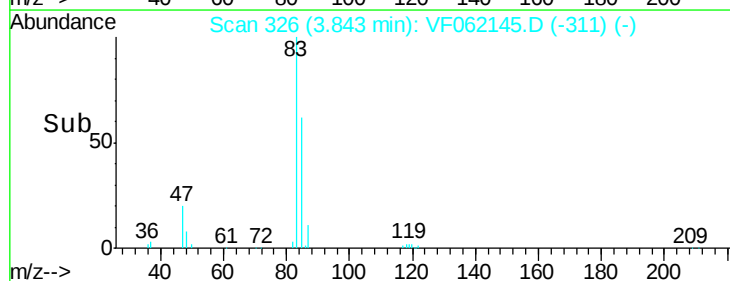
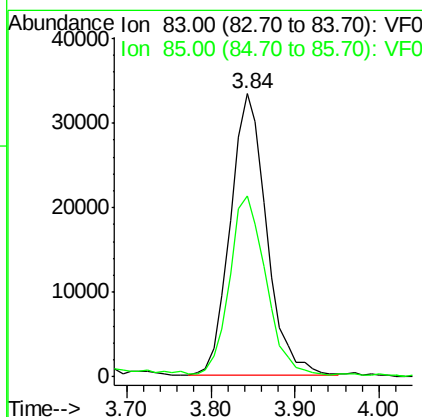
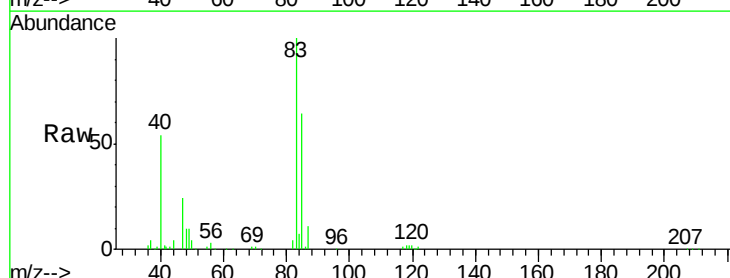
Manual Integrations
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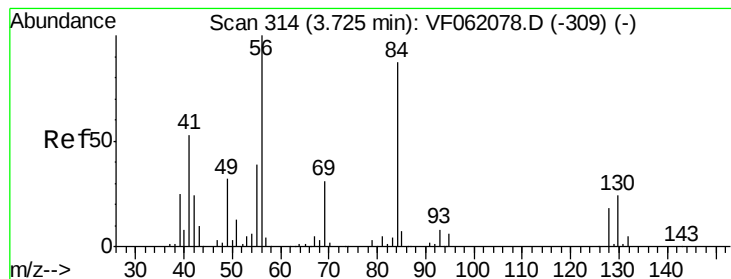
MMDadoda
3/27/2019 12:01:40 PM



#30
Chloroform
Concen: 23.795 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





#31

Cyclohexane

Concen: 22.876 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

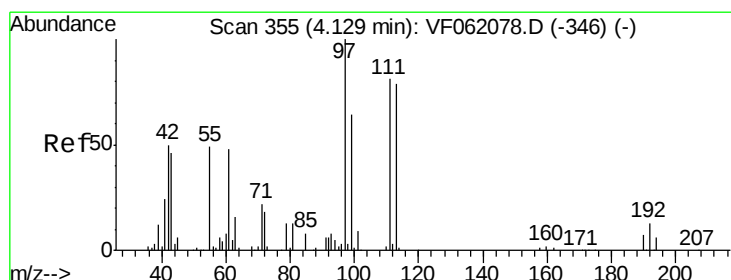
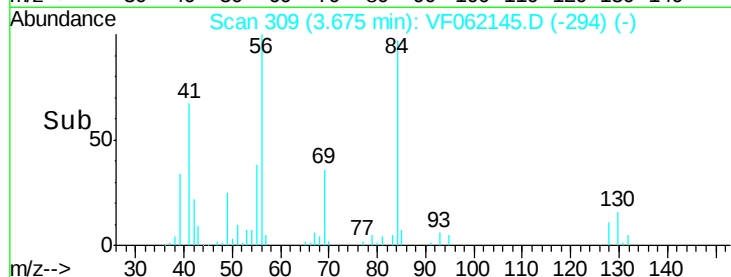
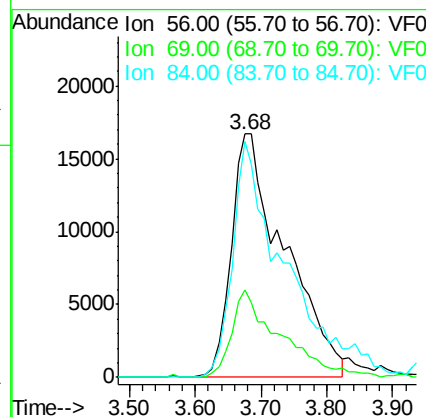
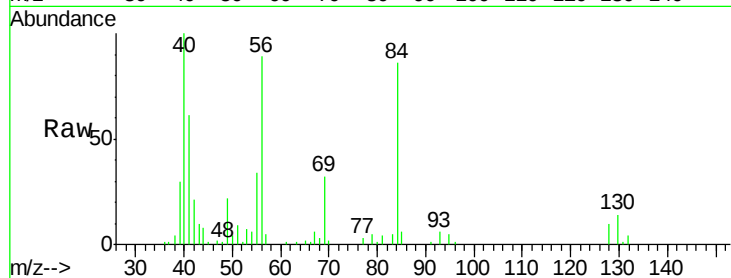
ClientSampleId :

VF0326SBSD01

Tot Ion:	56	Resp:	94667
Ion Ratio	Lower	Upper	
56	100		
69	35.7	25.9	38.9
84	96.7	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.601 ug/l

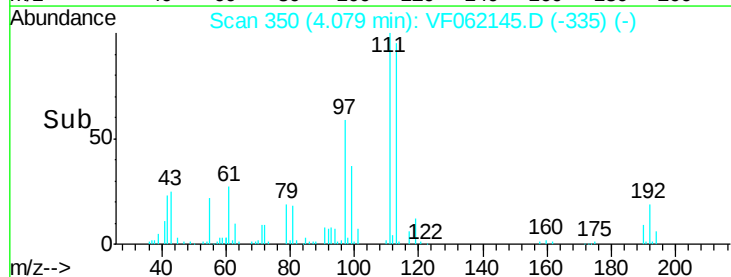
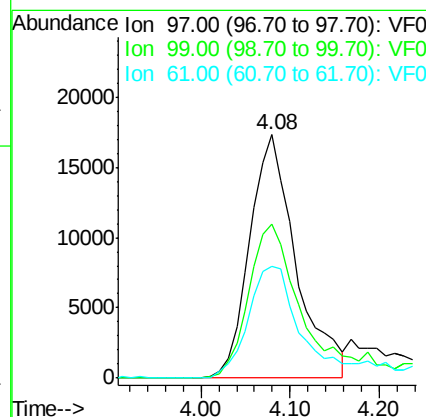
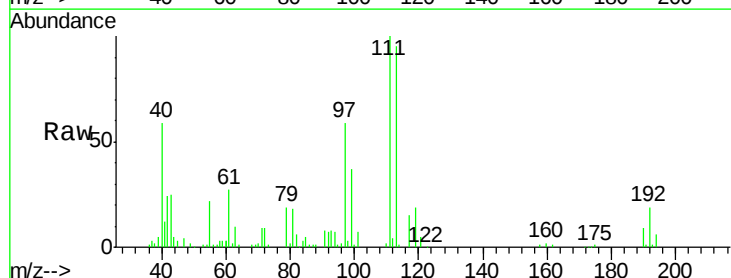
RT: 4.08 min Scan# 350

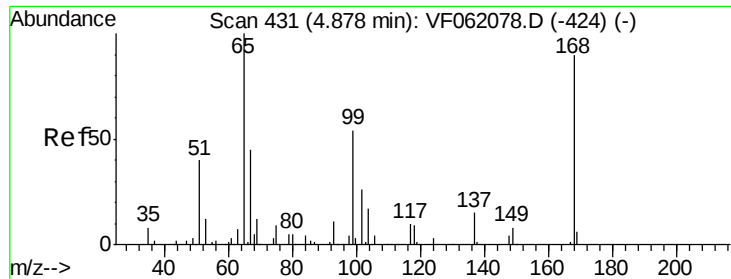
Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	97	Resp:	62663
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.3	76.9
61	46.0	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 47.923 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tot Ion: 65 Resp: 87287

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.2

Instrument :

MSVOA_F

ClientSampleId :

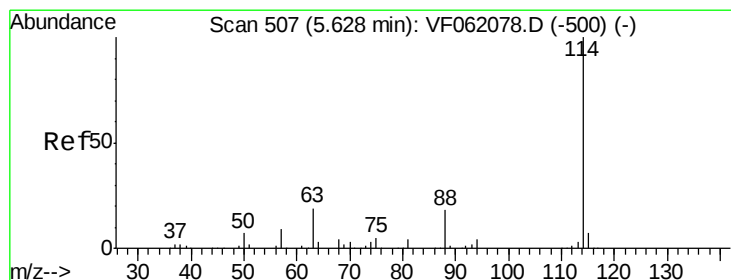
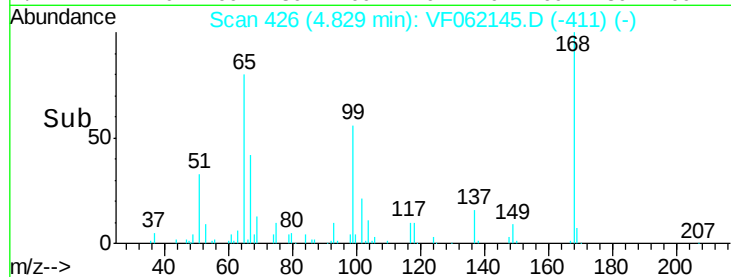
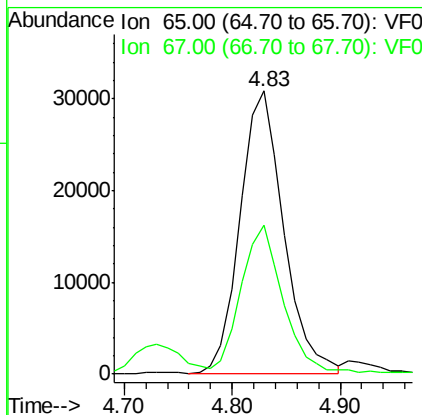
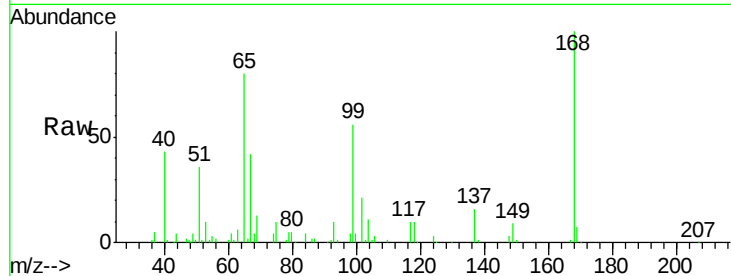
VF0326SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

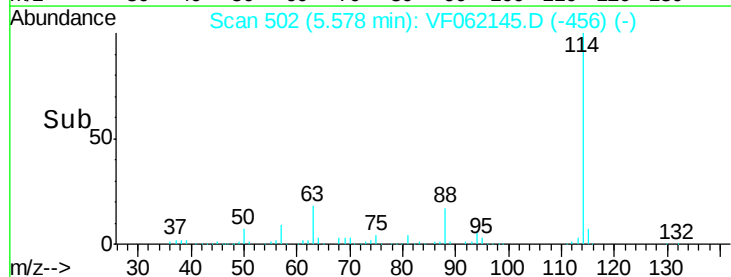
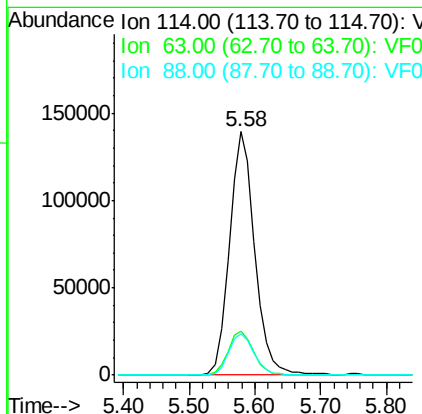
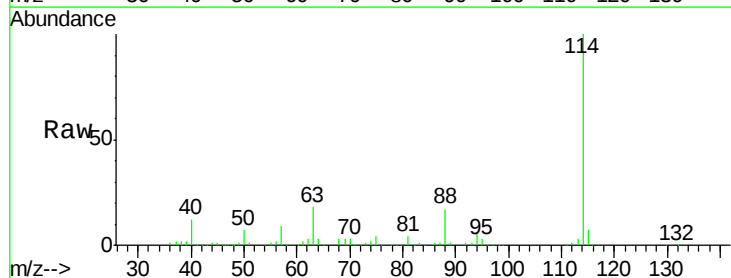
Tgt Ion: 114 Resp: 375533

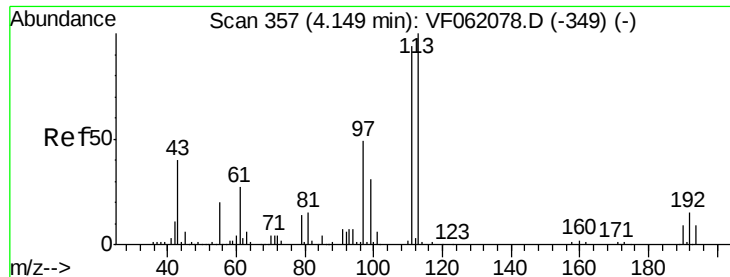
Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.8

88 16.8 0.0 36.4





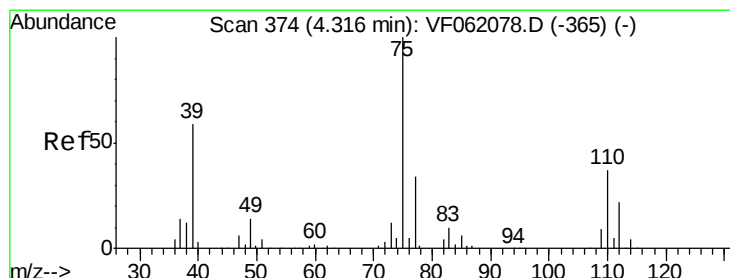
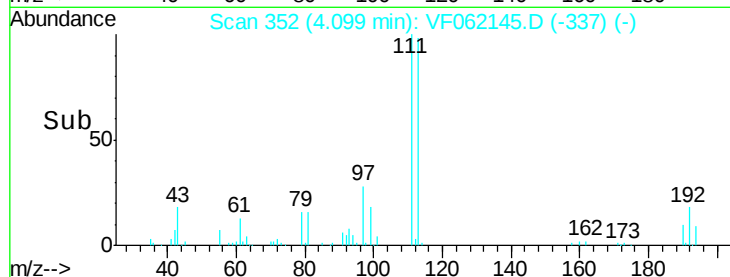
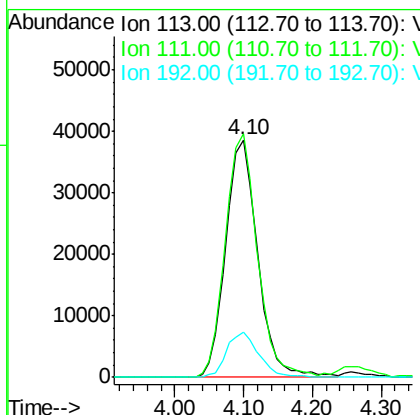
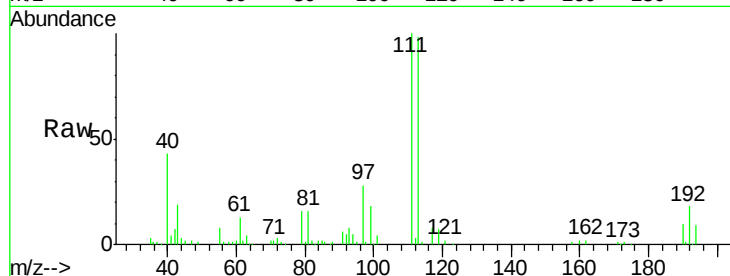
#35
Dibromofluoromethane
Concen: 49.135 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	75.4	113.0
192	19.3	12.3	18.5

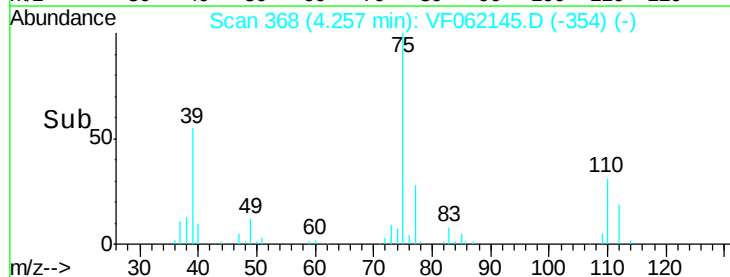
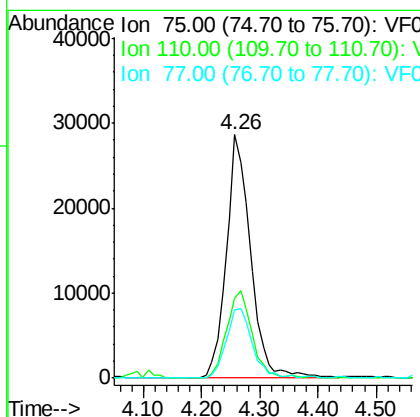
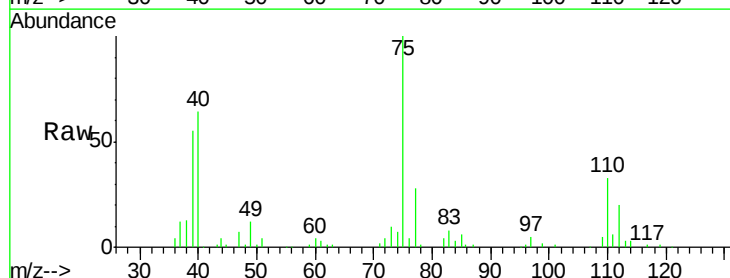
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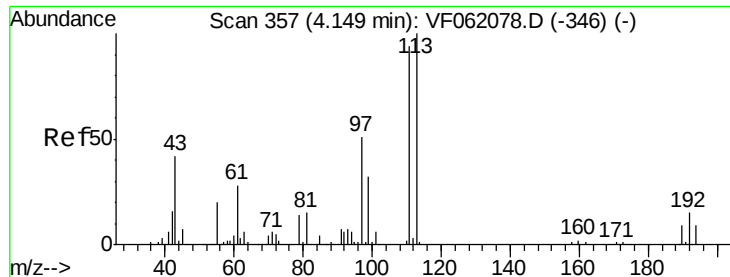
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#36
1,1-Dichloropropene
Concen: 23.121 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.06 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	18.5	55.5
77	28.0	27.4	41.0





#37

Ethyl Acetate

Concen: 21.360 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.06 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

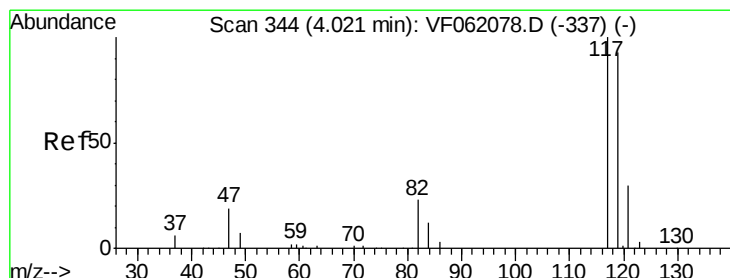
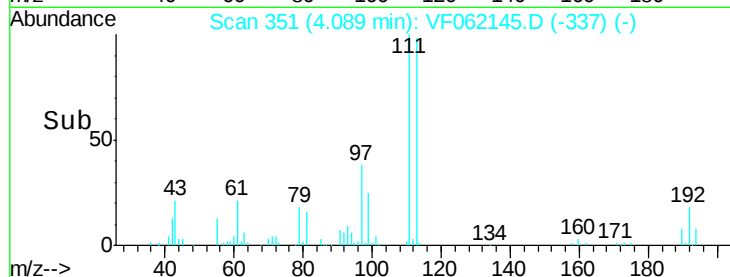
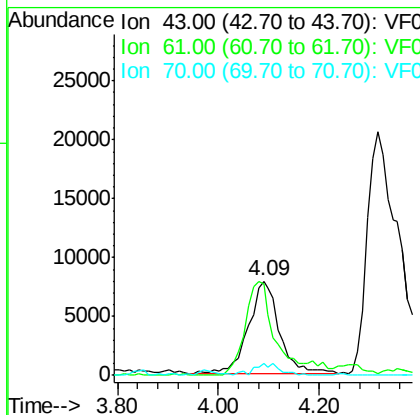
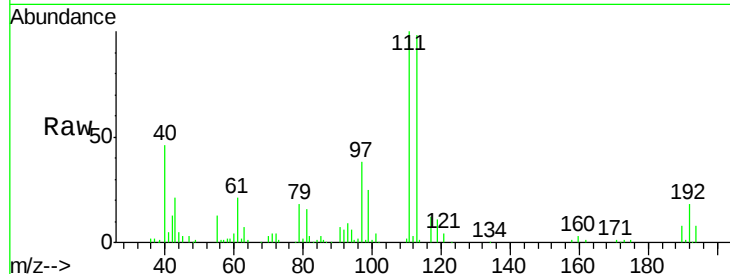
ClientSampleId :

VF0326SBSD01

Tot Ion:	43	Resp:	33391
Ion	Ratio	Lower	Upper
43	100		
61	97.2	53.6	80.4#
70	13.0	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 24.757 ug/l

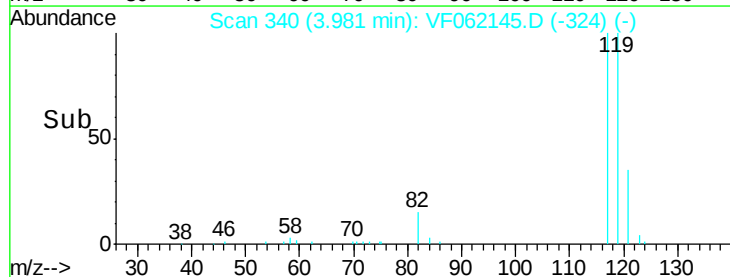
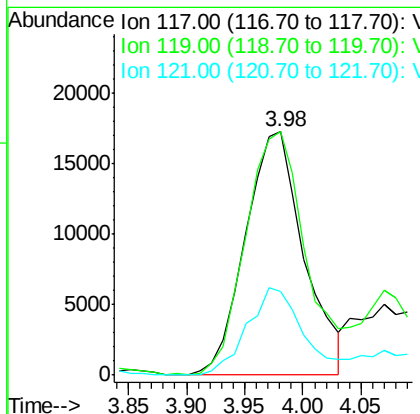
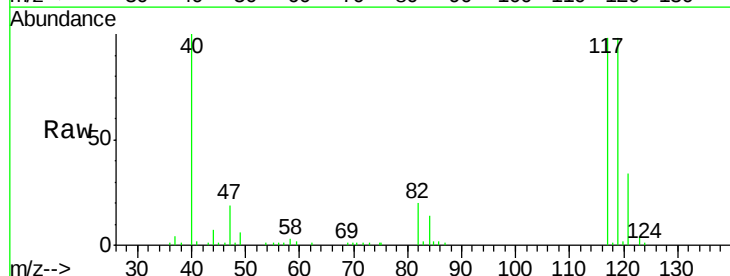
RT: 3.98 min Scan# 340

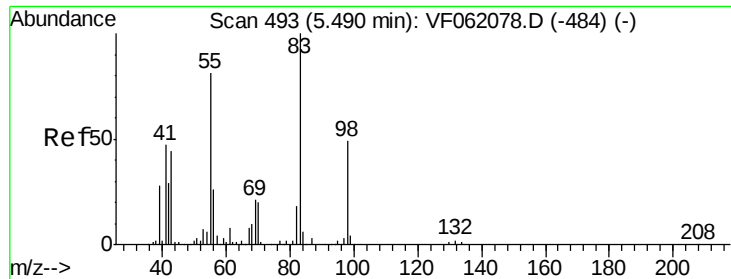
Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	117	Resp:	60355
Ion	Ratio	Lower	Upper
117	100		
119	100.2	74.7	112.1
121	34.4	23.6	35.4





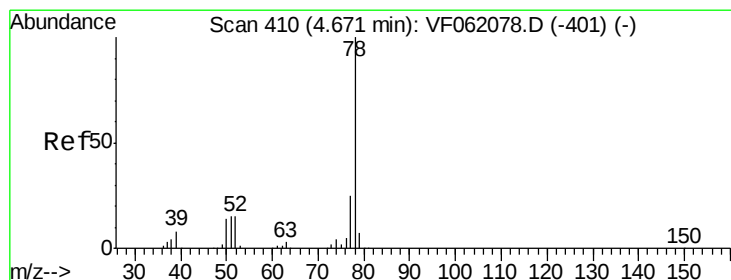
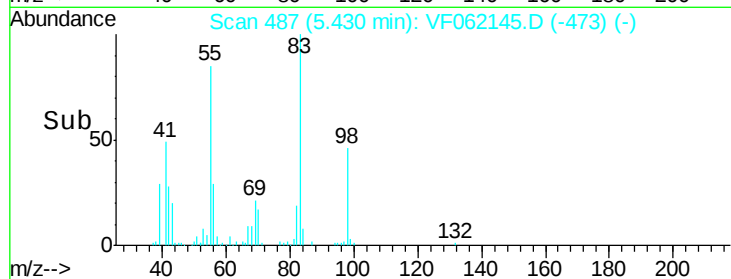
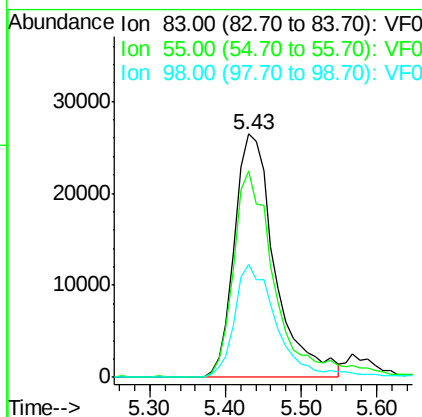
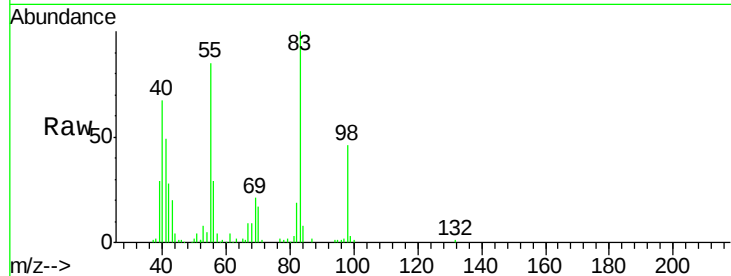
#39
Methylvlcvclohexane
Concen: 23.855 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.06 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBSD01

Tot Ion	83	Resp	99034
Ion Ratio	Lower	Upper	
83	100		
55	84.7	64.5	96.7
98	46.4	39.1	58.7

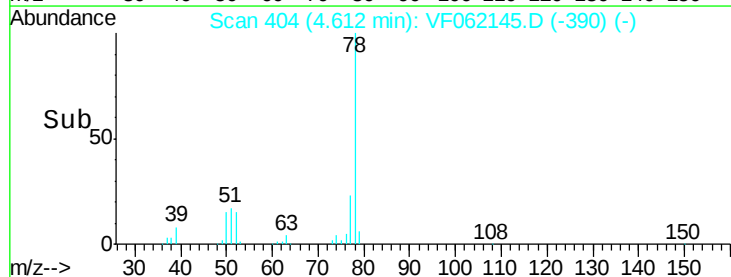
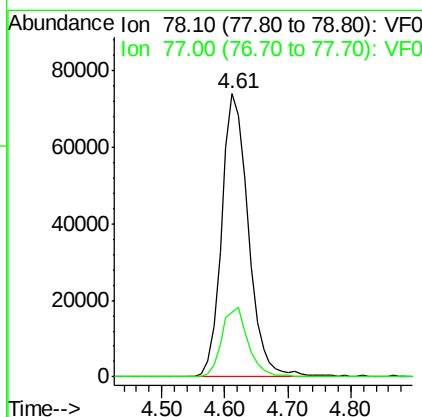
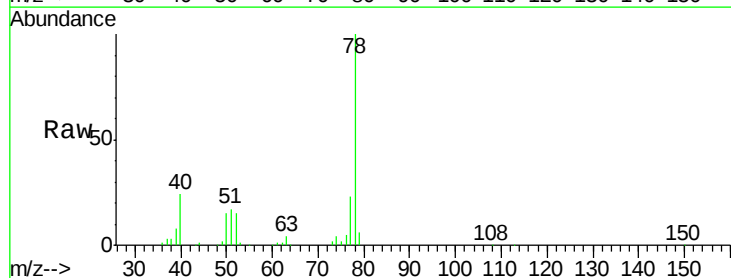
Manual Integrations
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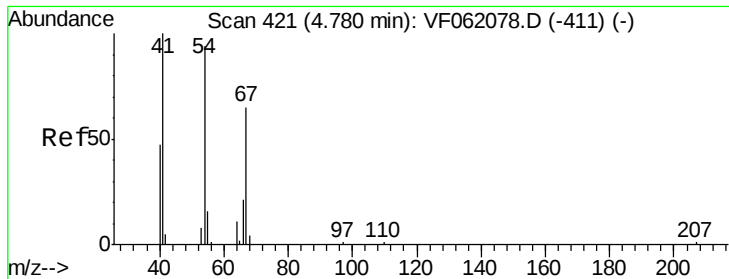
MMDadoda
3/27/2019 12:01:40 PM



#40
Benzene
Concen: 22.775 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion	78	Resp	218394
Ion Ratio	Lower	Upper	
78	100		
77	22.7	19.8	29.6





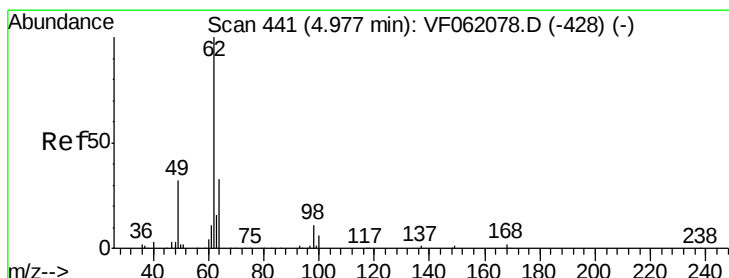
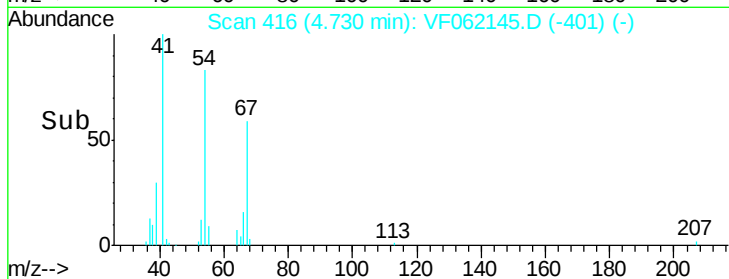
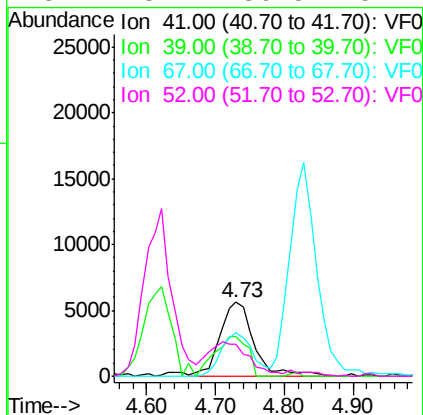
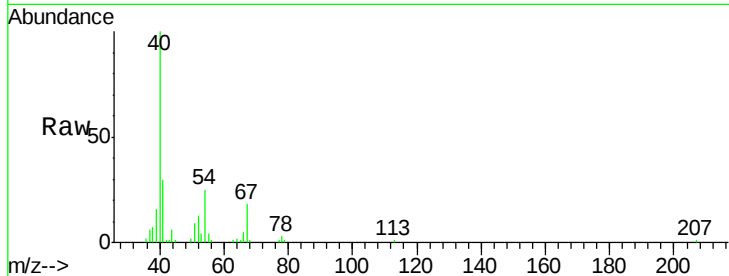
#41
Methacrylonitrile
Concen: 23.098 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.5	65.3
67	58.8	51.6	77.4
52	43.1	36.5	54.7

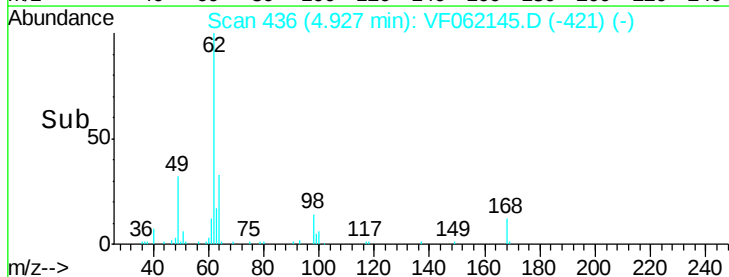
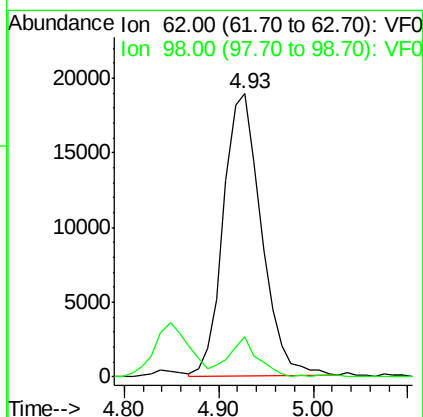
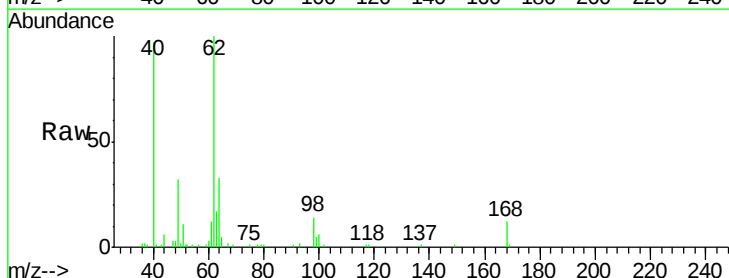
Manual Integrations
APPROVED

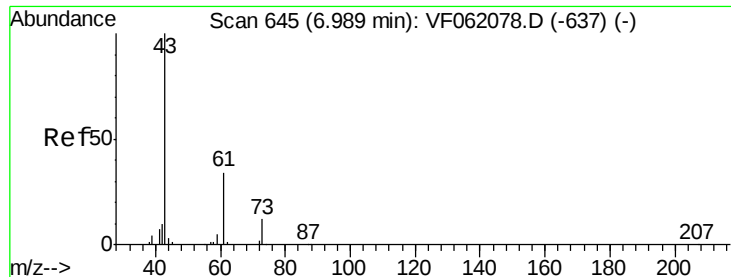
MMDadoda
3/27/2019 12:01:40 PM



#42
1,2-Dichloroethane
Concen: 23.170 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.1	0.0	23.2





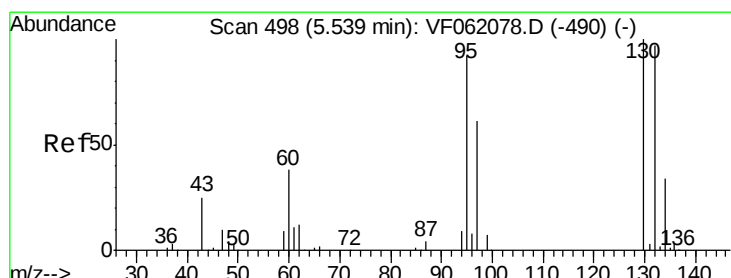
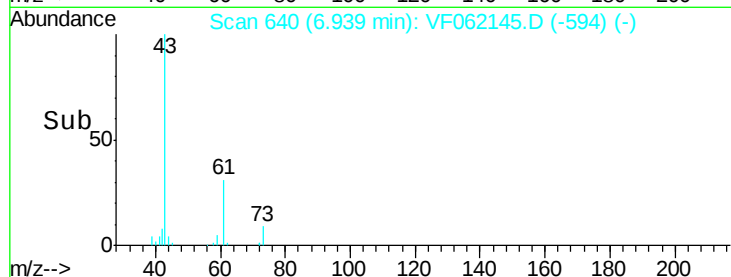
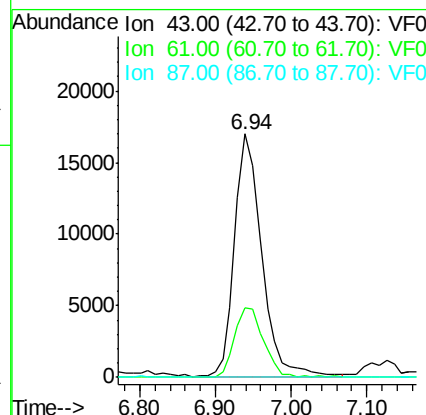
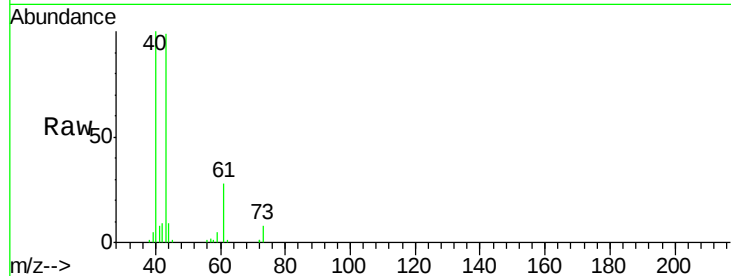
#43
Isopropyl Acetate
Concen: 22.582 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
61	61	28.6	27.0	40.4
87	87	0.0	0.4	0.6

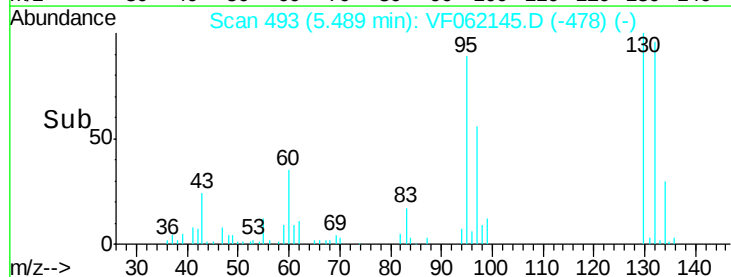
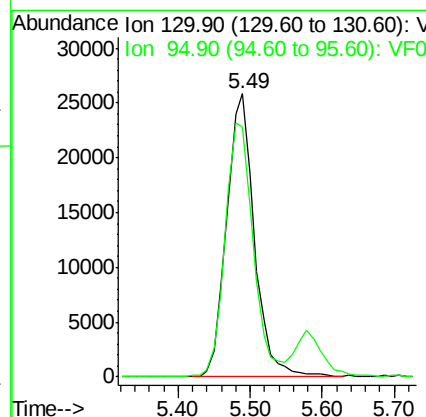
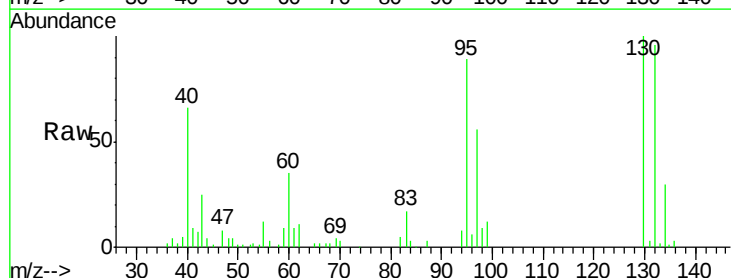
Manual Integrations
APPROVED

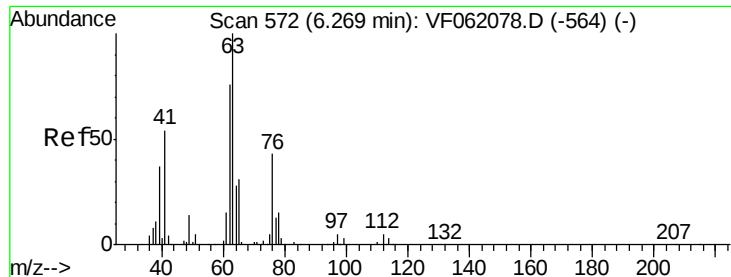
MMDadoda
3/27/2019 12:01:40 PM



#44
Trichloroethene
Concen: 23.442 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion	Ion	Ratio	Lower	Upper
130	130	100		
95	95	88.5	0.0	183.4





#45

1,2-Dichloropropane

Concen: 22.777 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 63 Resp: 52094

Ion Ratio Lower Upper

63 100

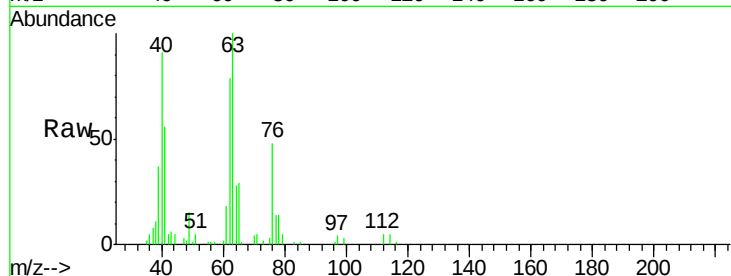
65 29.3 24.9 37.3

Manual Integrations

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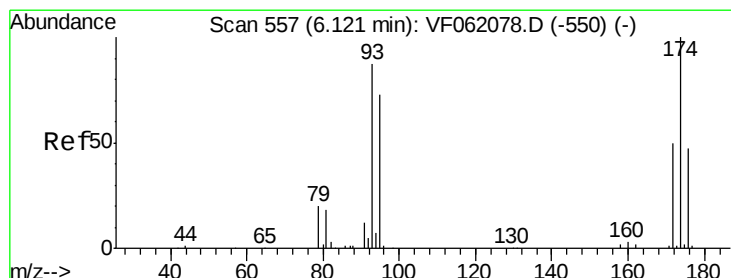
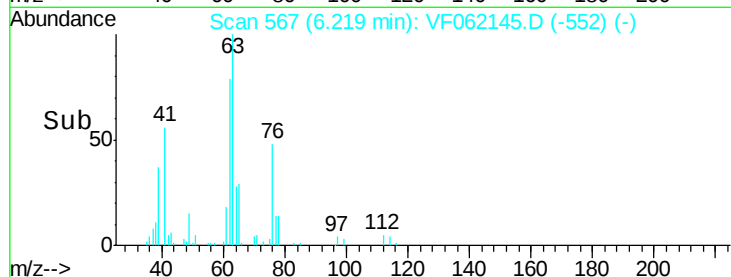
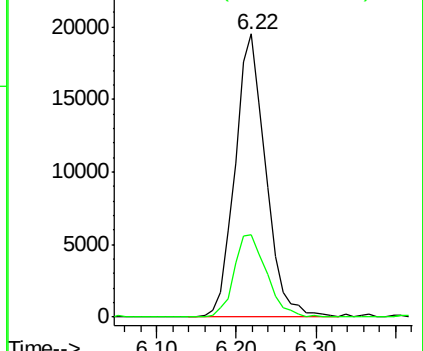
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.259 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

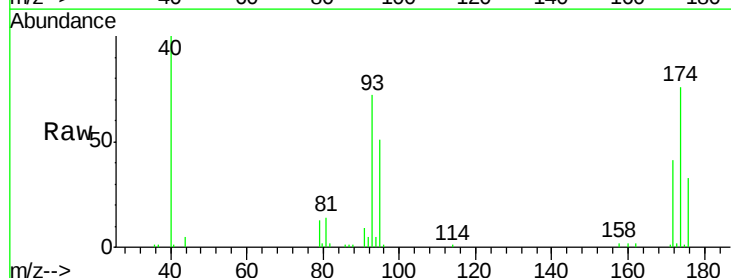
Tgt Ion: 93 Resp: 31127

Ion Ratio Lower Upper

93 100

95 70.7 67.4 101.2

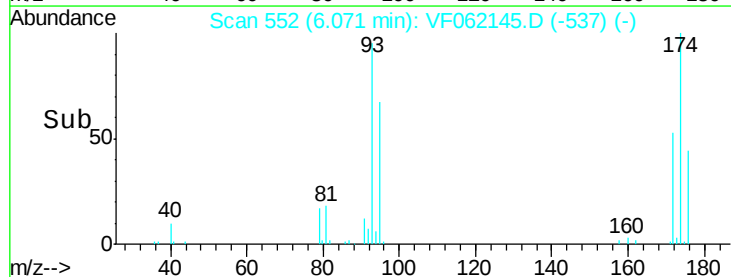
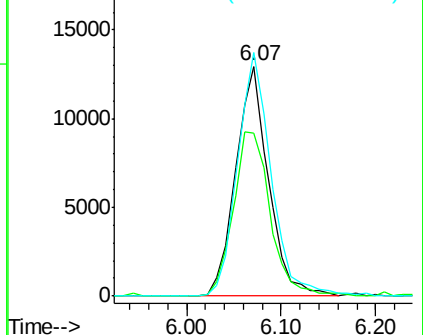
174 105.8 92.0 138.0

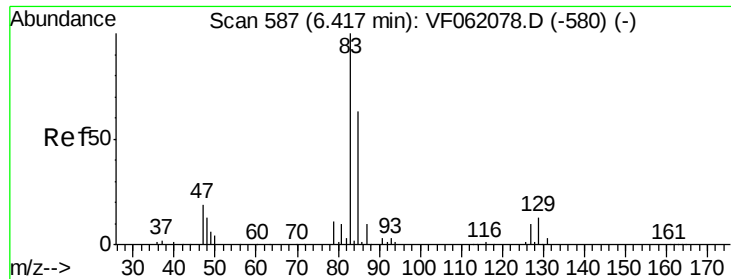


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.070 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

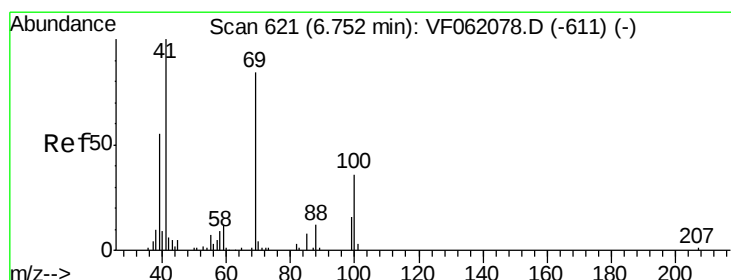
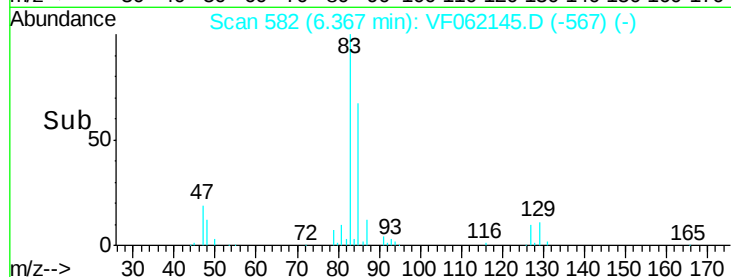
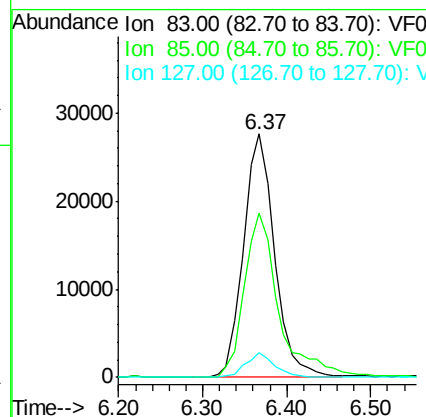
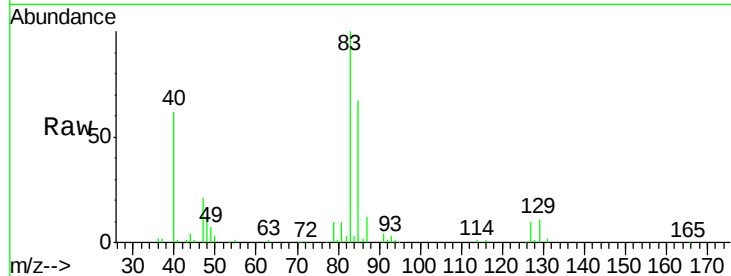
ClientSampleId :

VF0326SBSD01

Tot Ion:	83	Resp:	71458
Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.7	76.1
127	10.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.959 ug/l

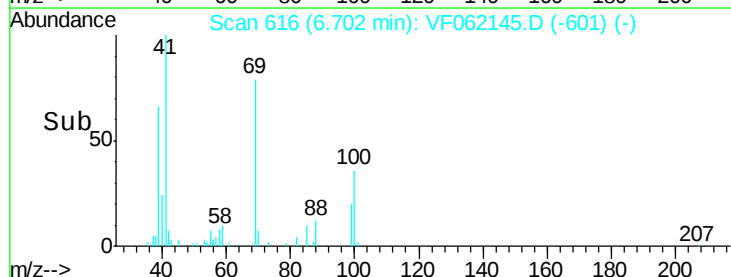
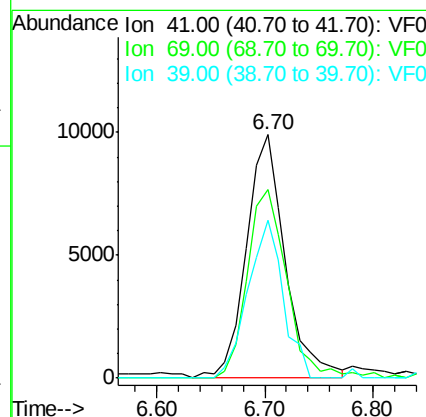
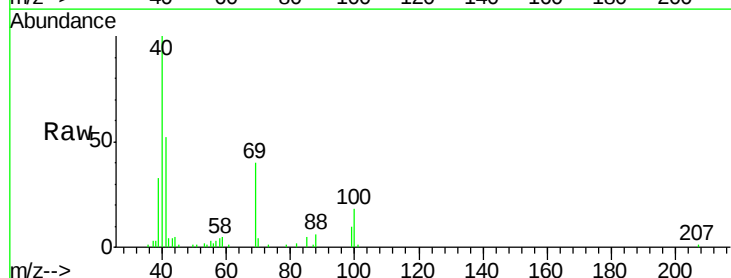
RT: 6.70 min Scan# 616

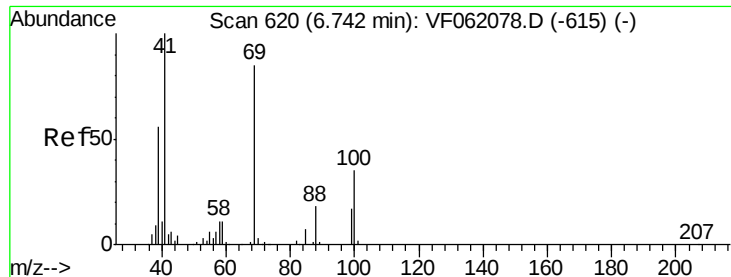
Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	41	Resp:	24748
Ion	Ratio	Lower	Upper
41	100		
69	77.3	66.6	100.0
39	64.6	43.6	65.4





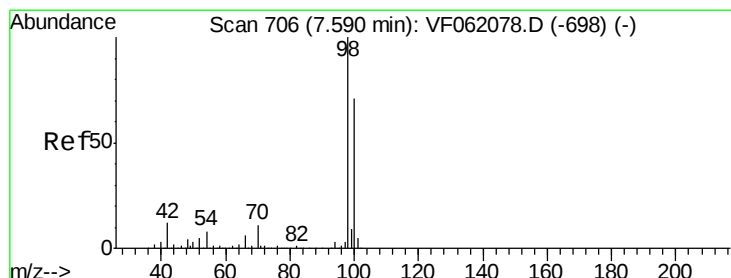
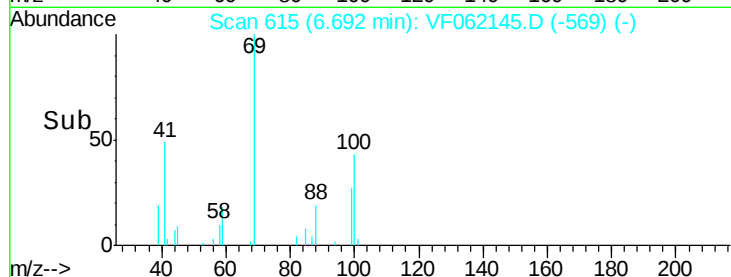
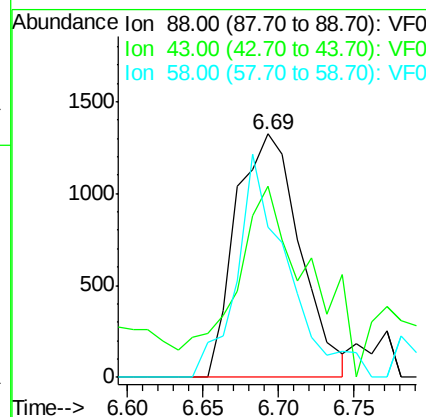
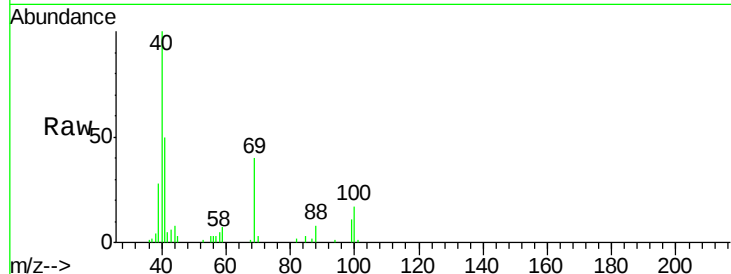
#49
1,4-Dioxane
Concen: 413.712 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	3913		
43	78.7	35.0	52.4#	
58	61.7	49.9	74.9	

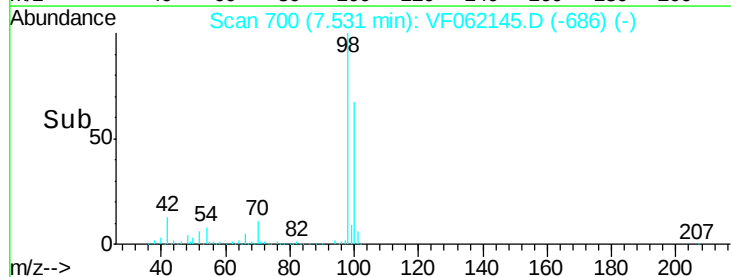
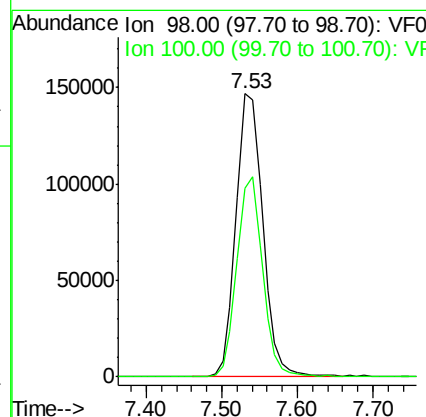
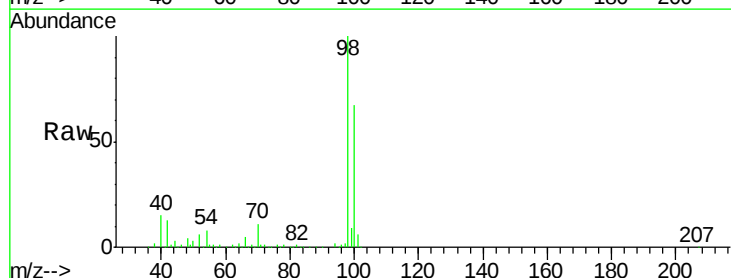
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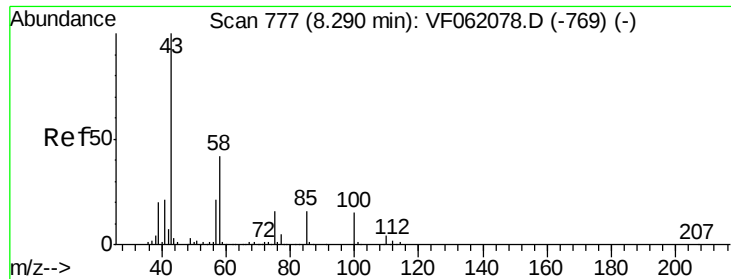
MMDadoda
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#50
Toluene-d8
Concen: 47.484 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	360070		
100	66.6	57.0	85.6	





#51

4-Methyl-2-Pentanone

Concen: 119.122 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBSD01

Tot Ion: 43 Resp: 150941

Ion Ratio Lower Upper

43 100

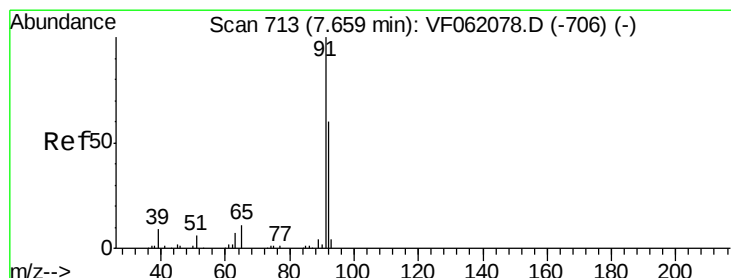
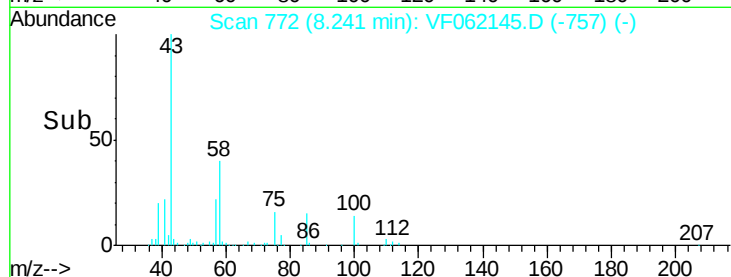
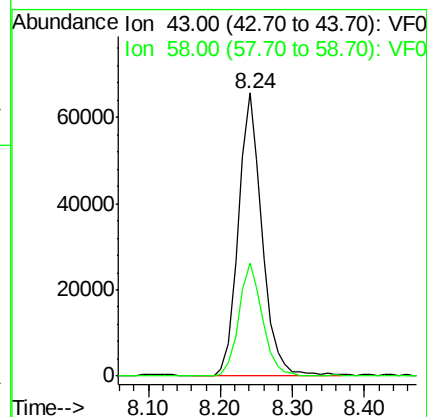
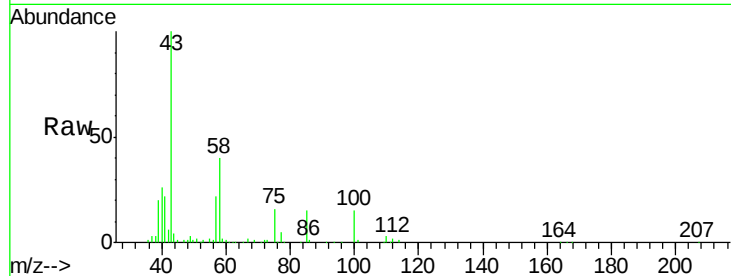
58 39.9 33.8 50.8

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#52

Toluene

Concen: 22.612 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF062145.D

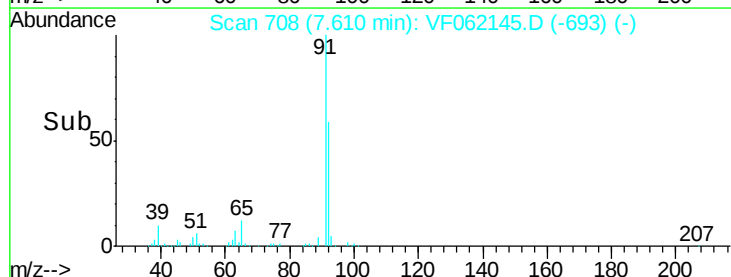
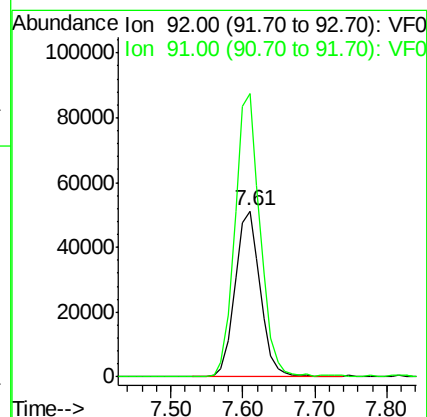
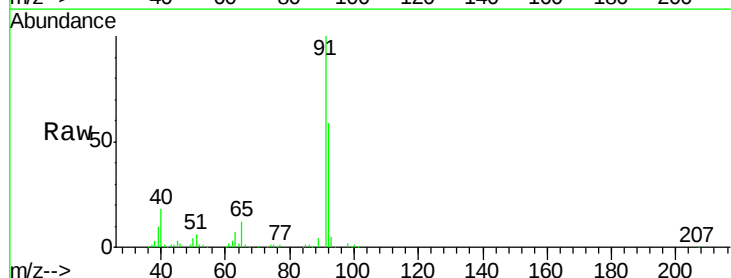
Acq: 26 Mar 2019 14:51

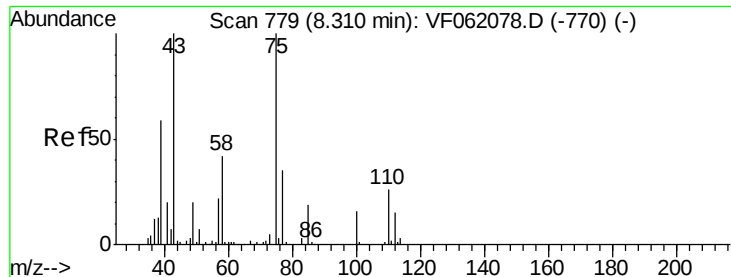
Tgt Ion: 92 Resp: 125591

Ion Ratio Lower Upper

92 100

91 170.3 134.1 201.1





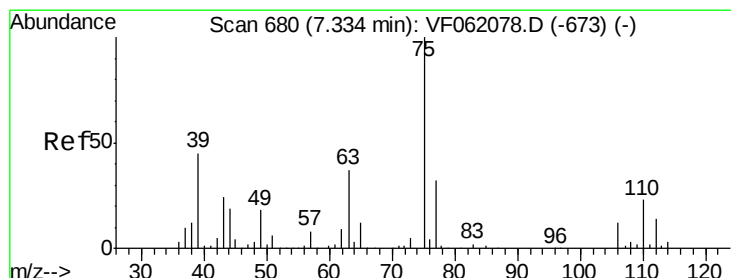
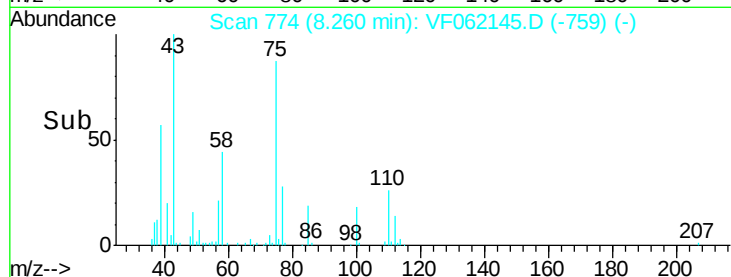
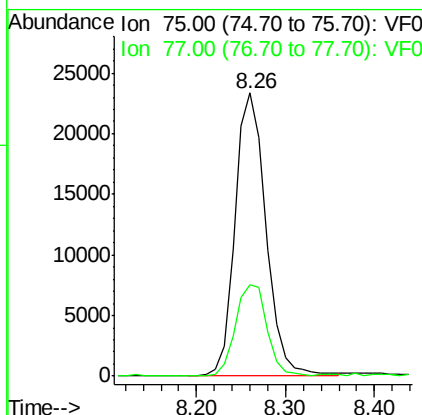
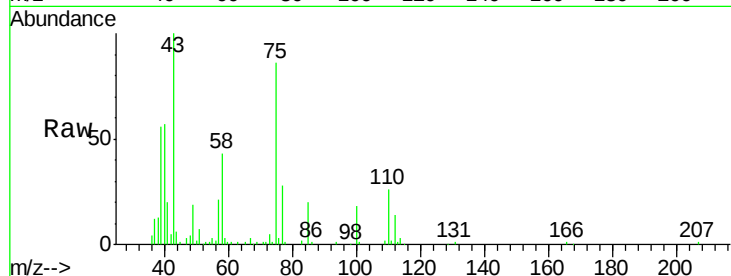
#53
t-1,3-Dichloropropene
Concen: 23.354 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion: 75 Resp: 56786
Ion Ratio Lower Upper
75 100
77 32.1 28.0 42.0

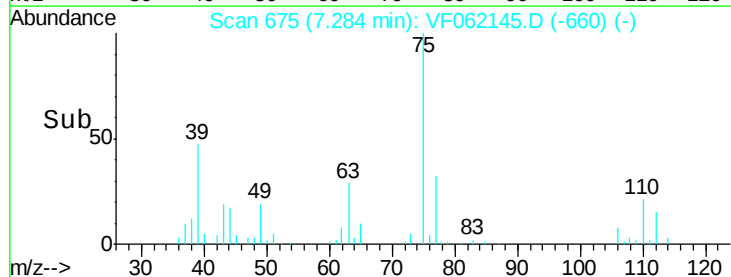
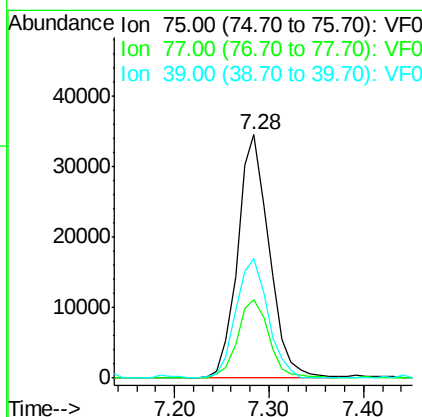
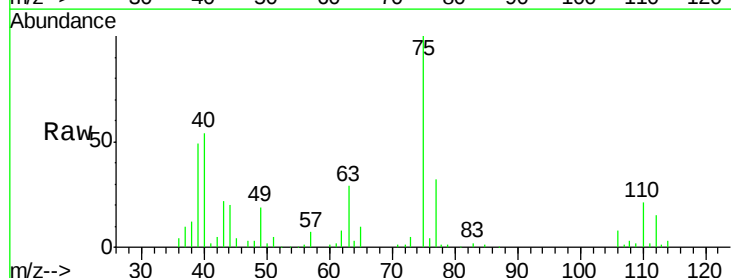
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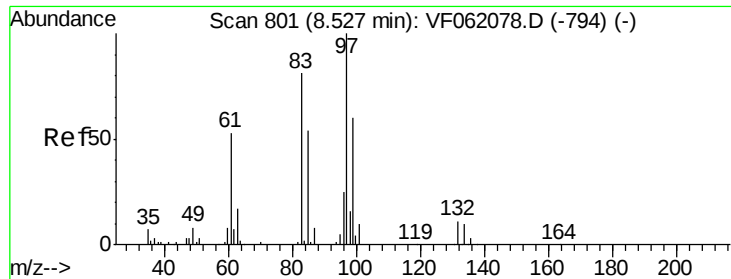
MMDadoda
3/27/2019 12:01:40 PM



#54
cis-1,3-Dichloropropene
Concen: 22.922 ug/l
RT: 7.28 min Scan# 675
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 75 Resp: 79750
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.6
39 48.9 35.9 53.9





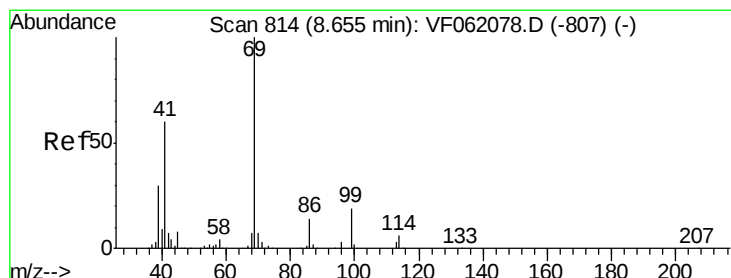
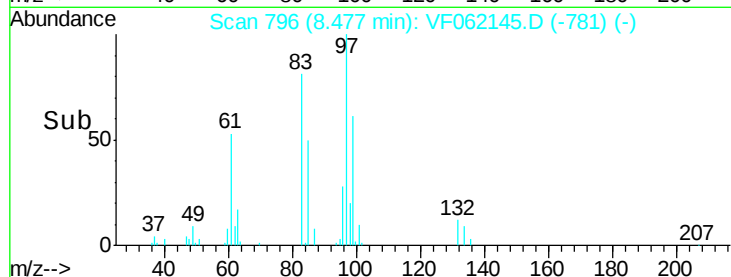
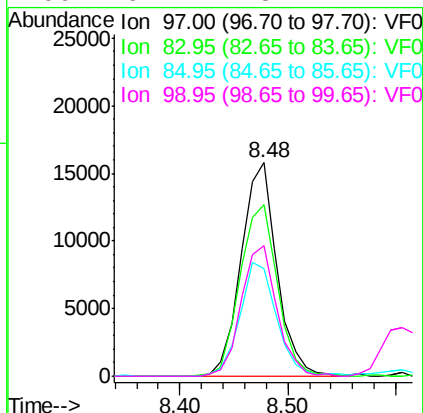
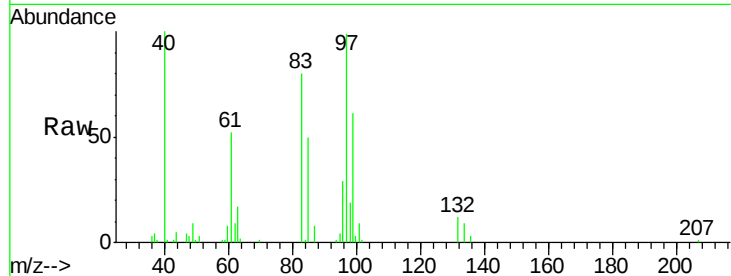
#55
 1,1,2-Trichloroethane
 Concen: 22.970 ug/l
 RT: 8.48 min Scan# 796
 Delta R.T. -0.05 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion:	97	Resp:	36237
Ion	Ratio	Lower	Upper
97	100		
83	80.6	64.6	97.0
85	50.2	43.6	65.4
99	61.4	48.2	72.2

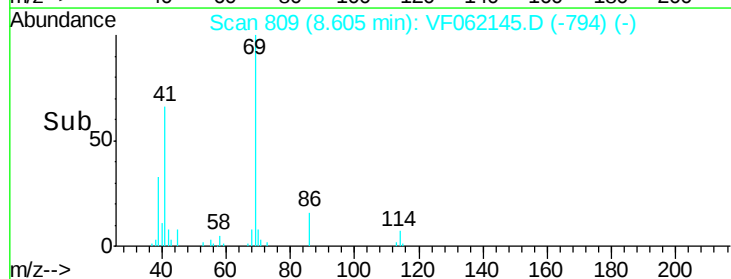
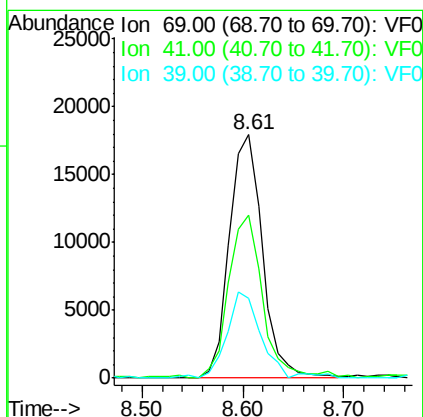
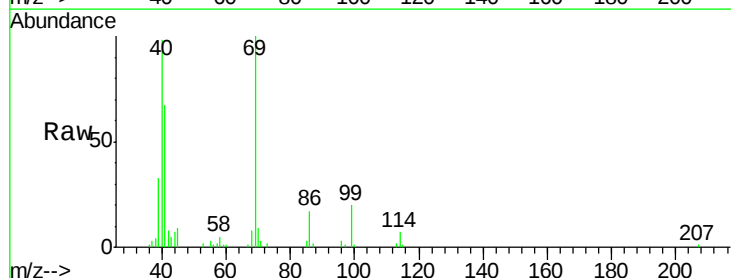
Manual Integrations
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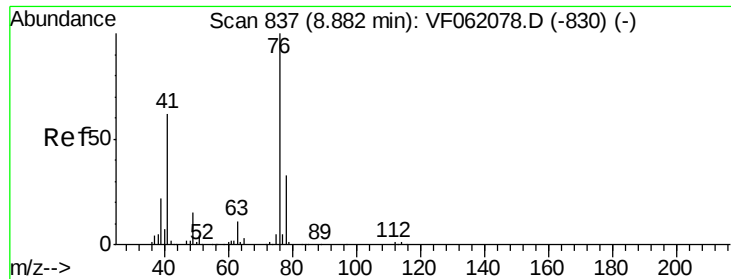
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#56
 Ethyl methacrylate
 Concen: 21.794 ug/l
 RT: 8.61 min Scan# 809
 Delta R.T. -0.05 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion:	69	Resp:	41005
Ion	Ratio	Lower	Upper
69	100		
41	66.9	48.2	72.2
39	32.7	24.0	36.0





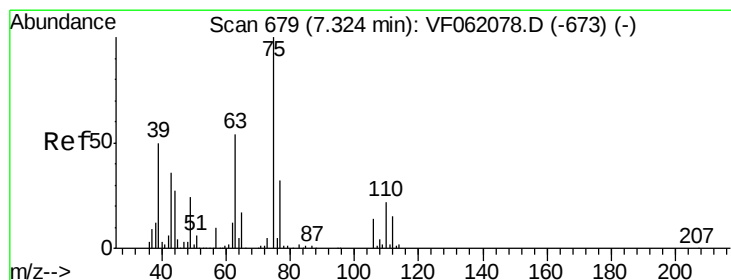
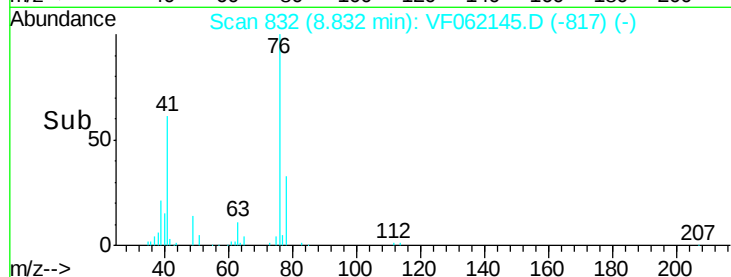
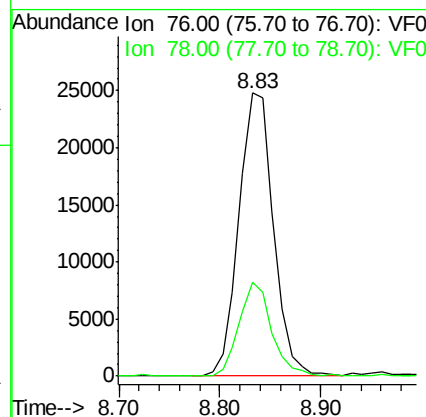
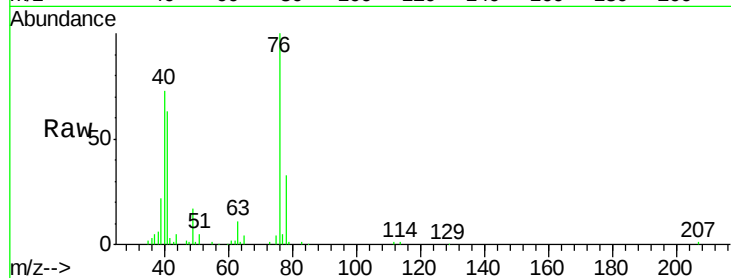
#57
 1,3-Dichloropropane
 Concen: 22.623 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.05 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8

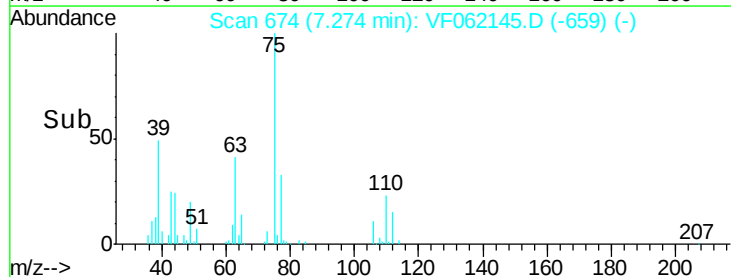
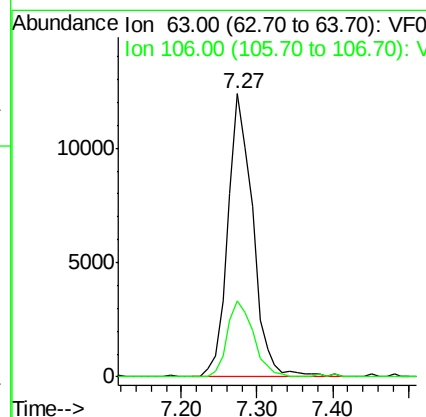
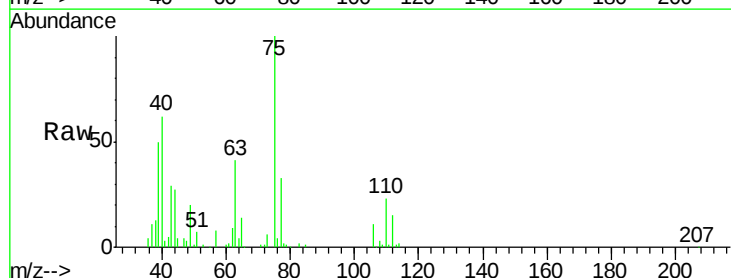
Manual Integrations
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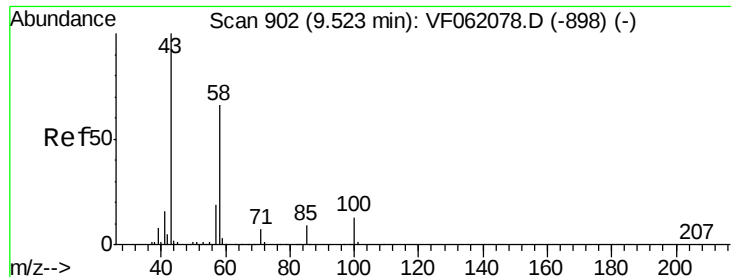
MMDadoda
 3/27/2019 12:01:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.198 ug/l
 RT: 7.27 min Scan# 674
 Delta R.T. -0.05 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.5	32.3





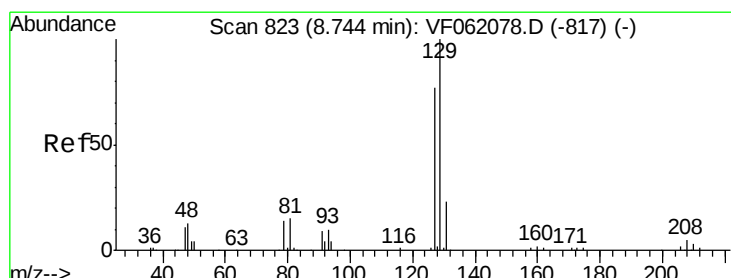
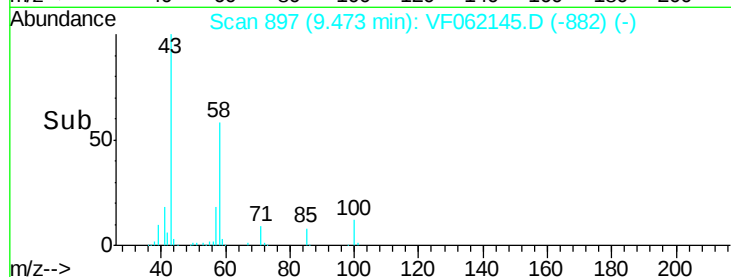
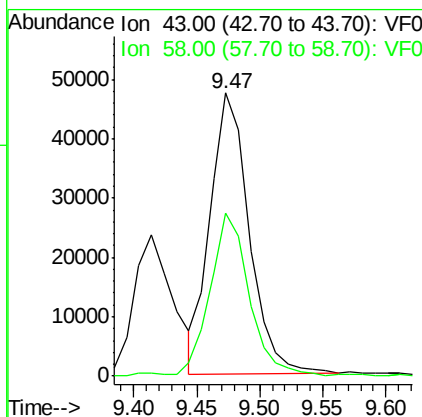
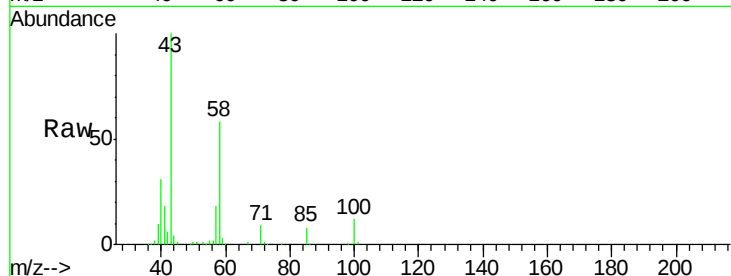
#59
2-Hexanone
Concen: 109.983 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampled :
VF0326SBS01

Tot Ion: 43 Resp: 102138
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.4

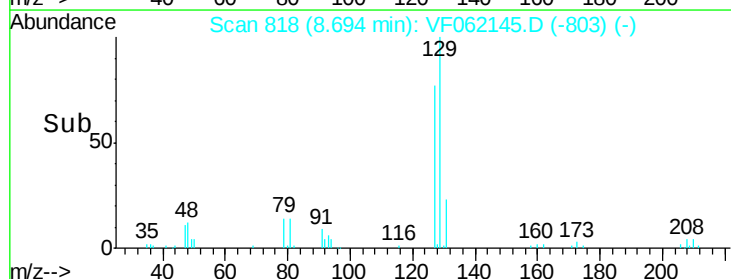
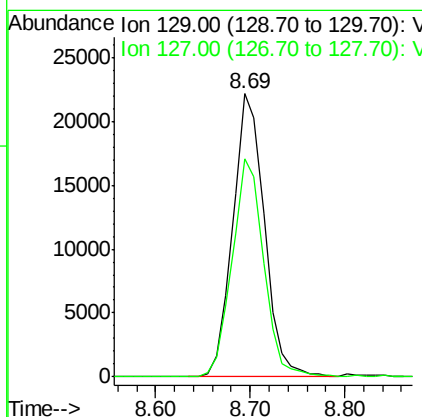
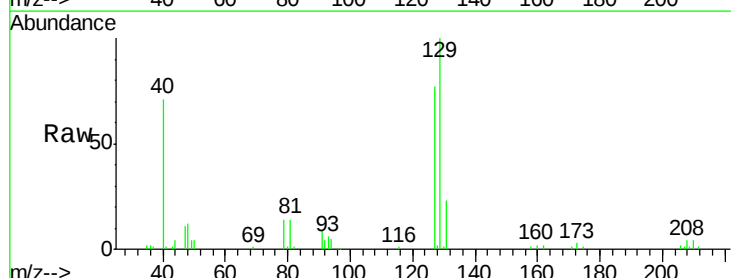
Manual Integrations
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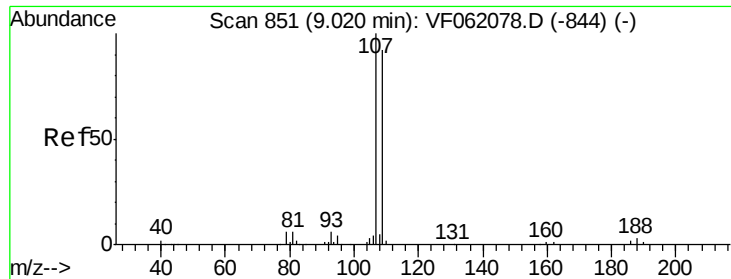
MMDadoda
3/27/2019 12:01:40 PM



#60
Dibromochloromethane
Concen: 23.342 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 129 Resp: 51193
Ion Ratio Lower Upper
129 100
127 77.0 38.7 116.1





#61

1,2-Dibromoethane

Concen: 23.364 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion:107 Resp: 39324

Ion Ratio Lower Upper

107 100

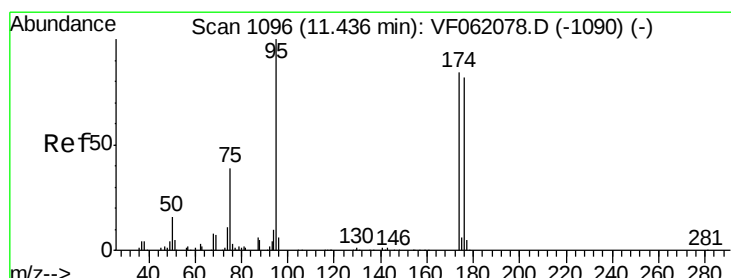
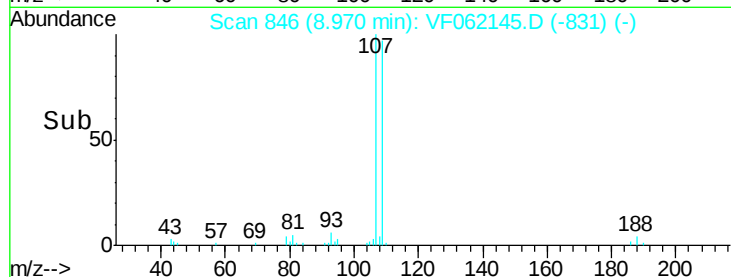
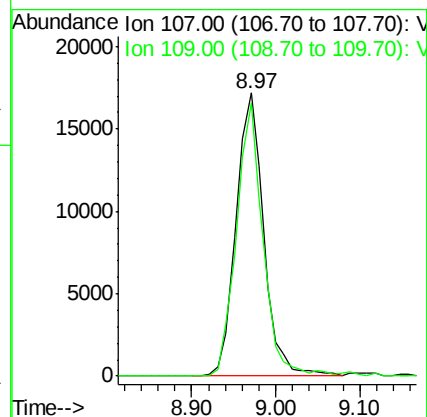
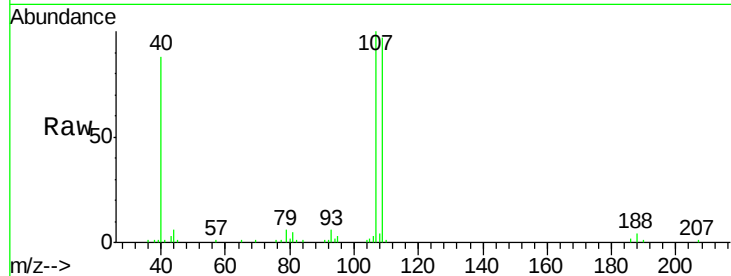
109 96.6 73.4 110.0

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 49.228 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

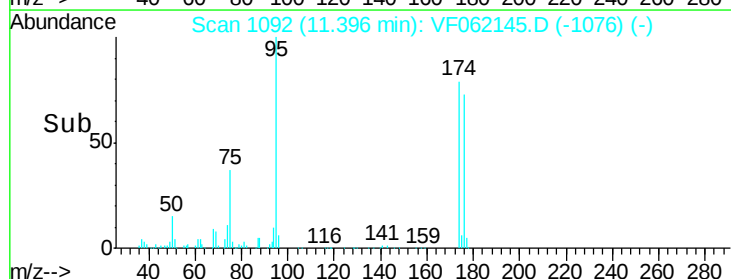
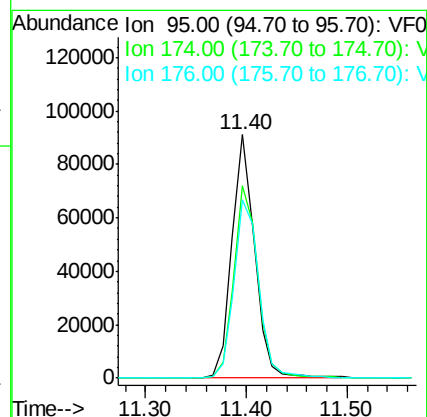
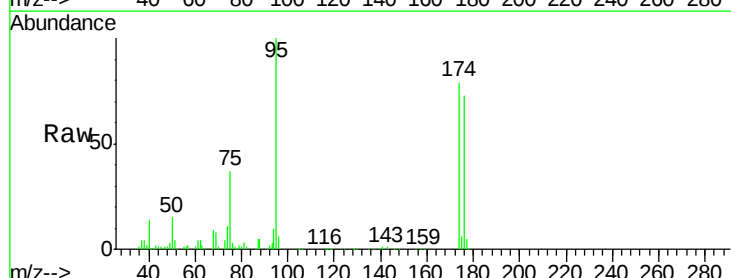
Tgt Ion: 95 Resp: 144111

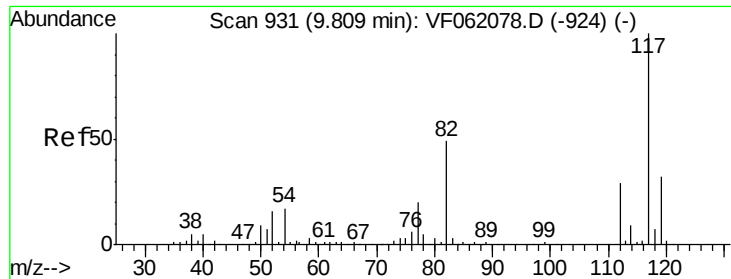
Ion Ratio Lower Upper

95 100

174 78.9 0.0 168.2

176 73.4 0.0 164.2





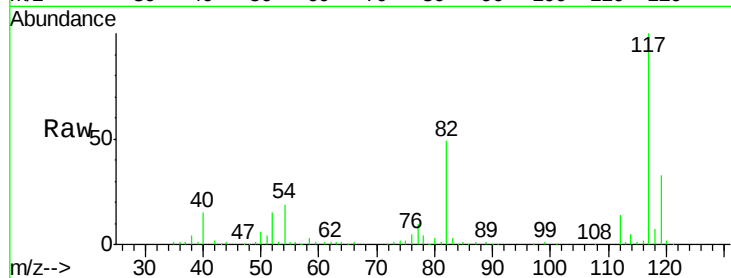
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	39.2	58.8
119	32.7	25.4	38.2

Manual Integrations
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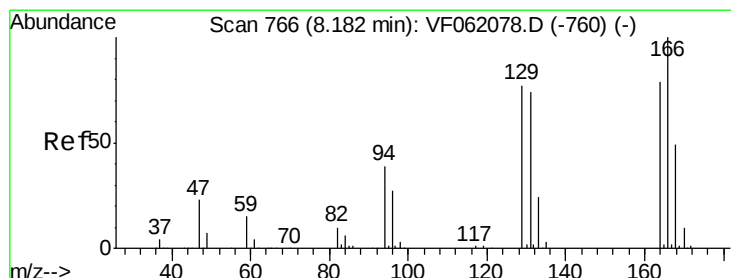
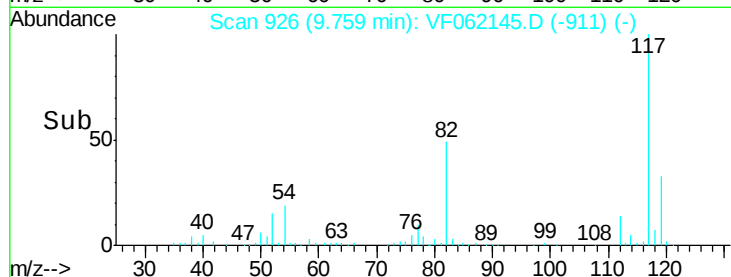
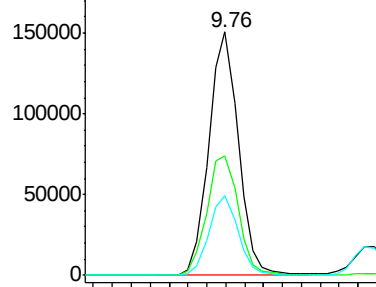


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 23.153 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.9	151.3
129	88.6	77.9	116.9
131	86.0	74.6	112.0

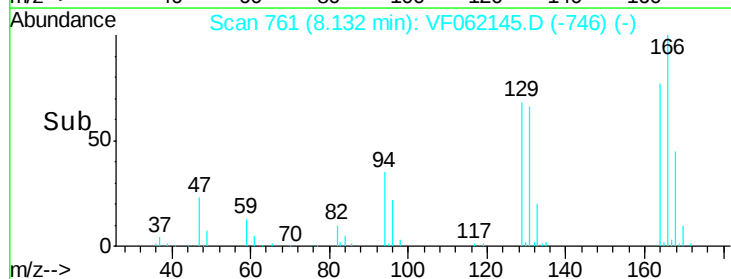
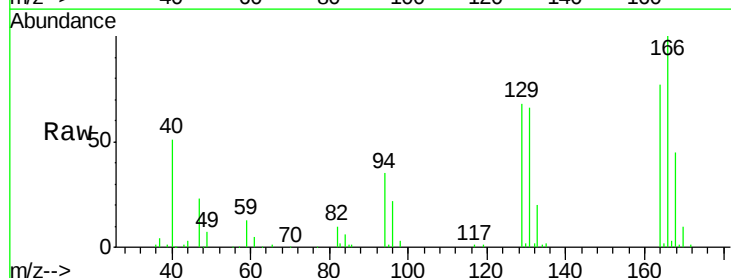
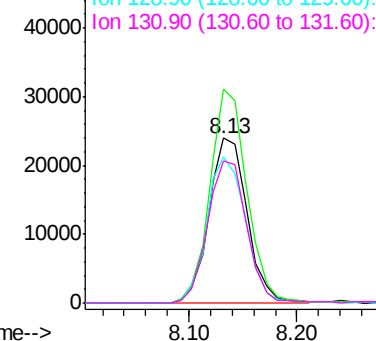
Abundance

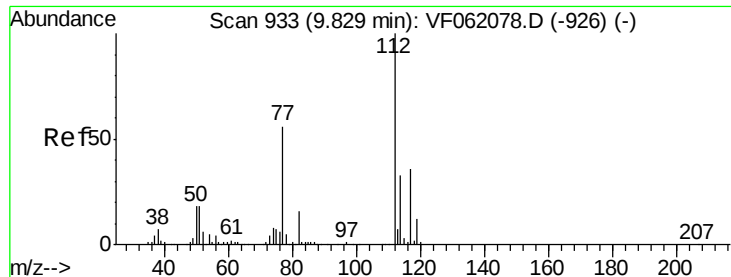
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





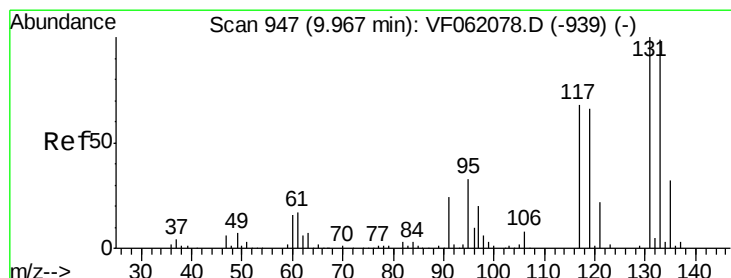
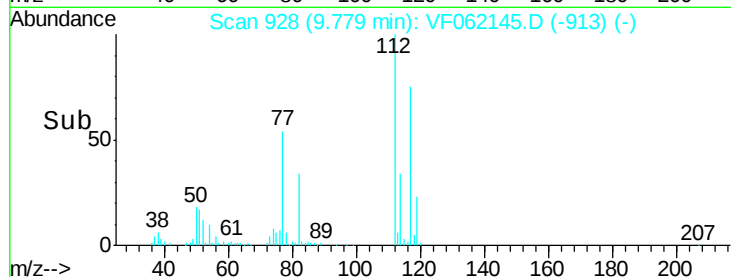
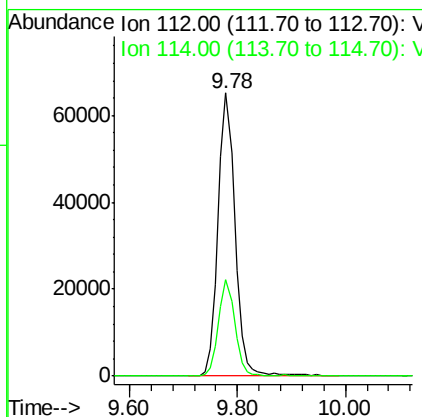
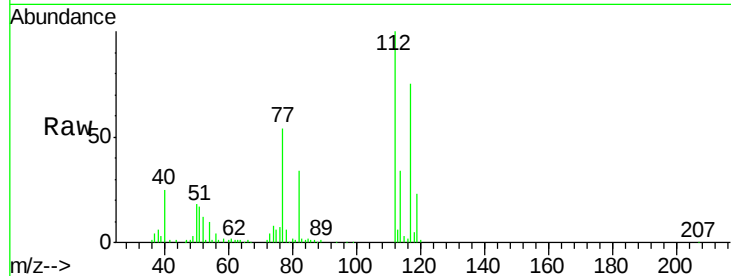
#65
Chlorobenzene
Concen: 23.036 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion:112 Resp: 141579
Ion Ratio Lower Upper
112 100
114 34.3 26.0 39.0

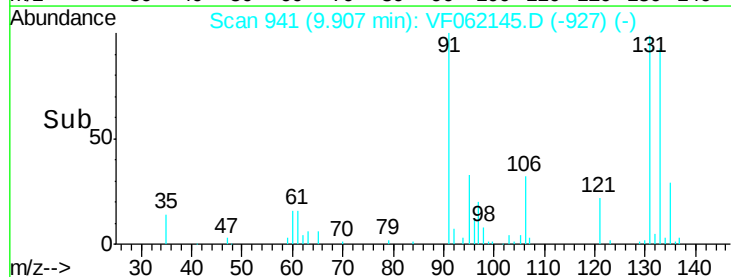
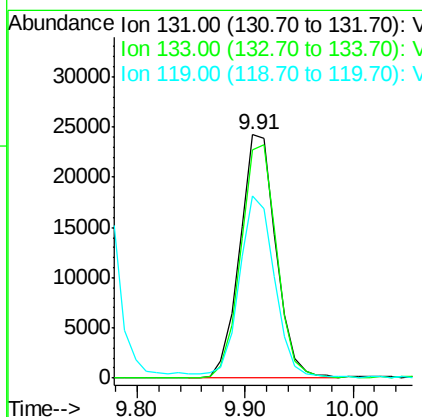
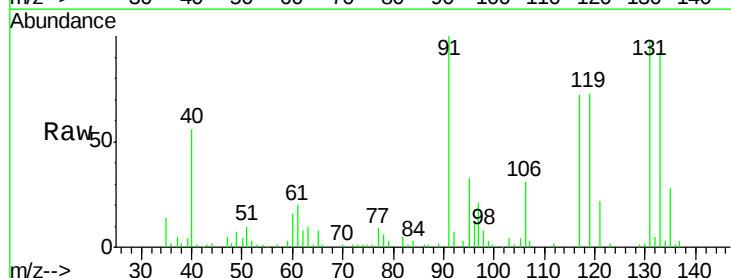
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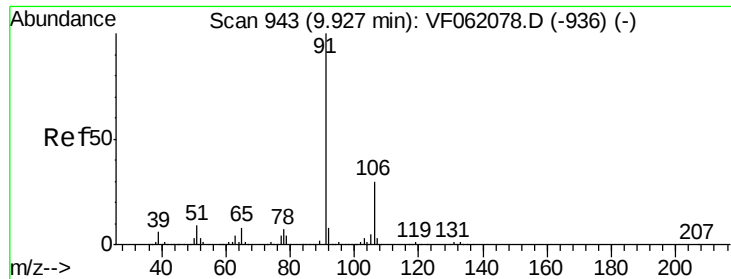
MMDadoda
3/27/2019 12:01:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.838 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.06 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion:131 Resp: 56382
Ion Ratio Lower Upper
131 100
133 93.9 49.3 147.8
119 74.6 33.5 100.4





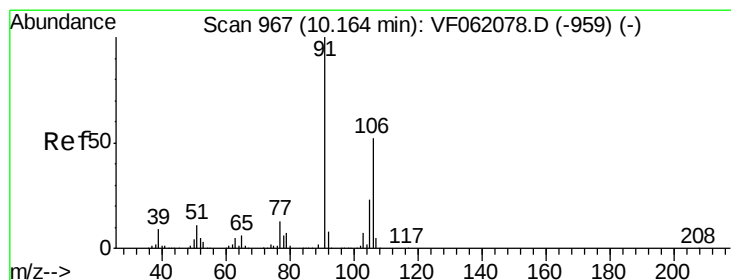
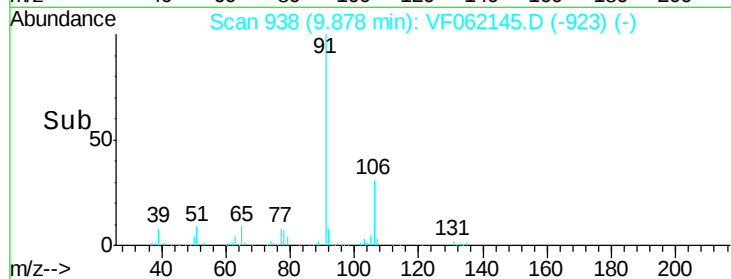
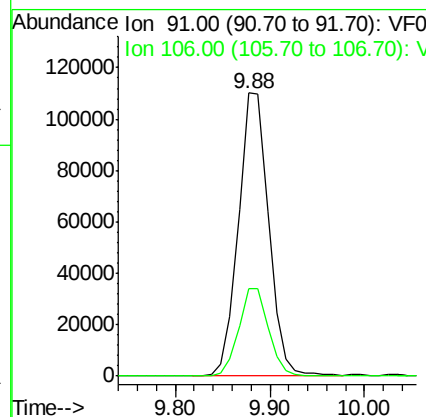
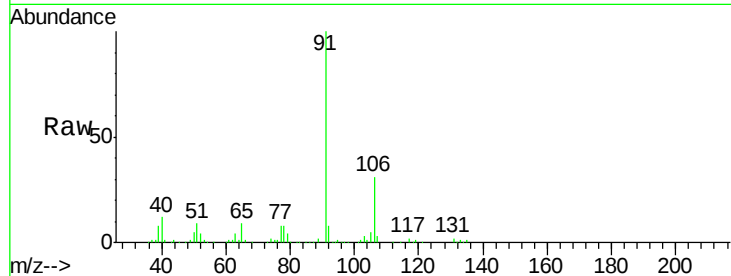
#67
Ethyl Benzene
Concen: 22.960 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBSD01

Tot Ion: 91 Resp: 245406
Ion Ratio Lower Upper
91 100
106 31.1 24.0 36.0

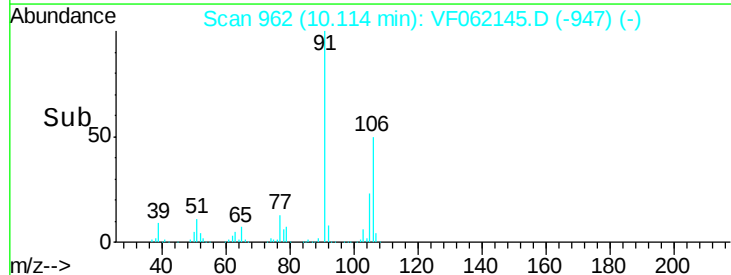
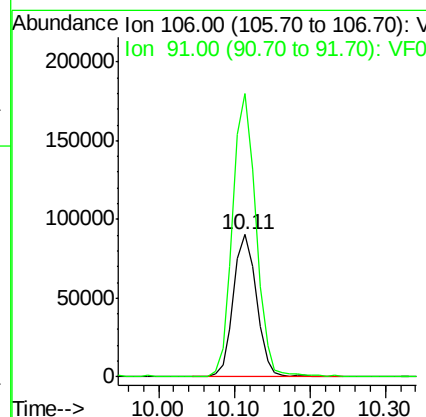
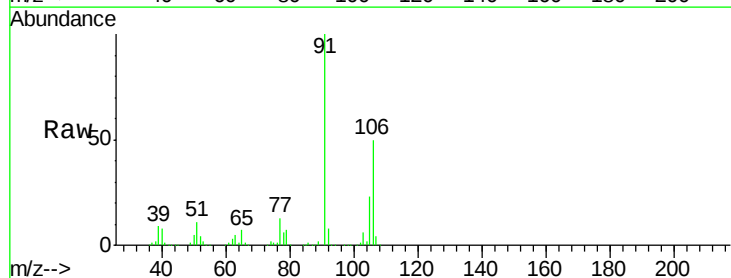
Manual Integrations
APPROVED

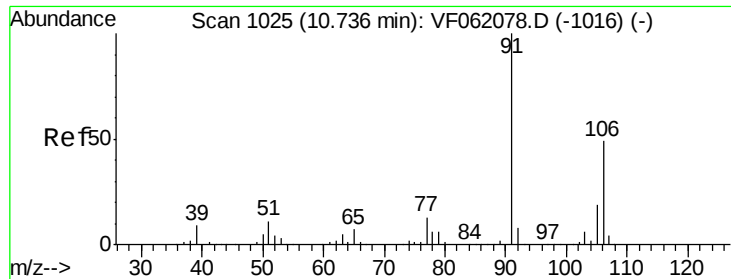
MMDadoda
3/27/2019 12:01:40 PM



#68
m/p-Xylenes
Concen: 48.359 ug/l
RT: 10.11 min Scan# 962
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 106 Resp: 193190
Ion Ratio Lower Upper
106 100
91 199.3 154.4 231.6





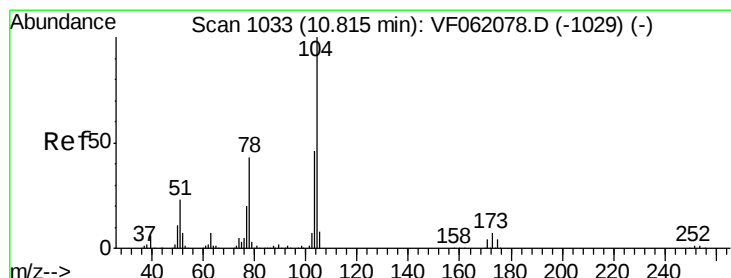
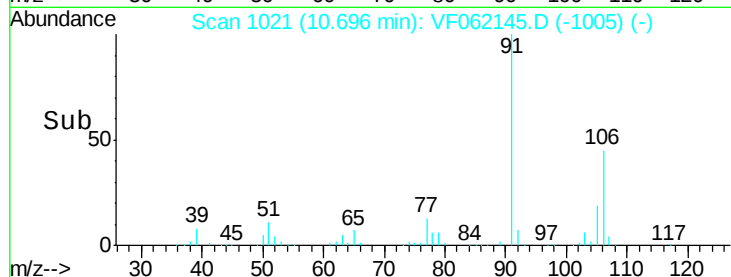
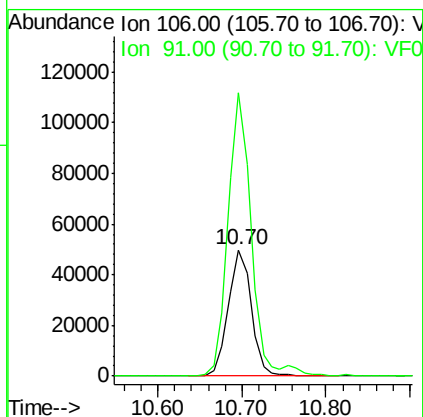
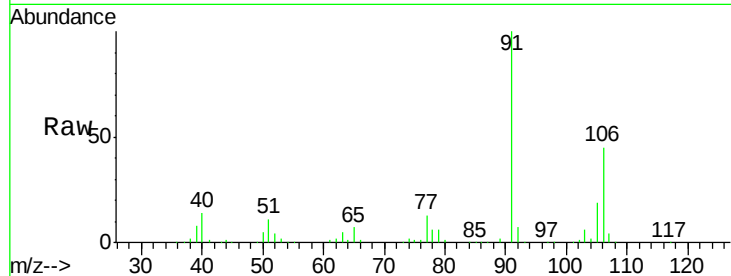
#69
o-Xylene
Concen: 22.913 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.04 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBSD01

Tot Ion:106 Resp: 95867
Ion Ratio Lower Upper
106 100
91 223.7 102.6 307.8

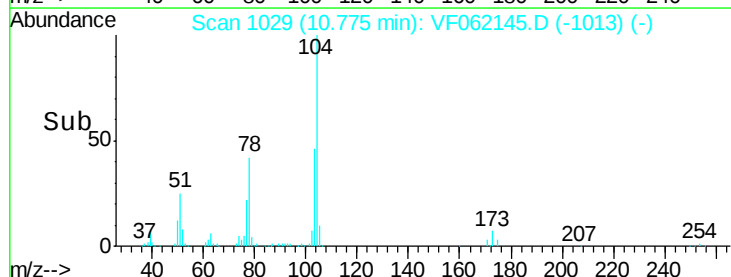
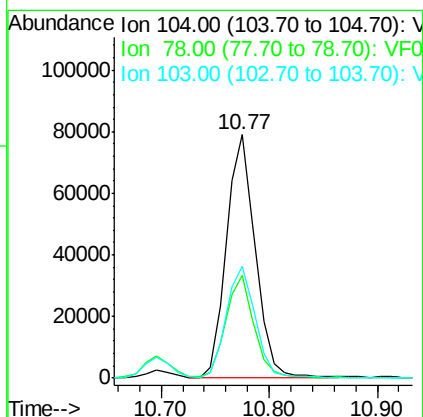
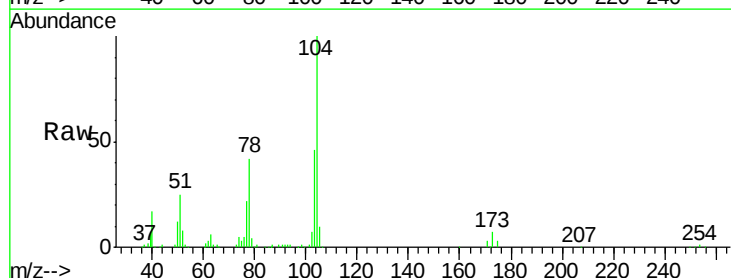
Manual Integrations
APPROVED

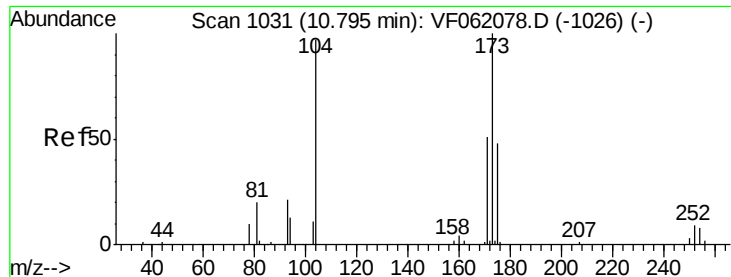
MMDadoda
3/27/2019 12:01:40 PM



#70
Styrene
Concen: 22.928 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion:104 Resp: 145349
Ion Ratio Lower Upper
104 100
78 42.2 34.3 51.5
103 46.0 36.9 55.3





#71

Bromoform

Concen: 21.922 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBSD01

Tot Ion:173 Resp: 27682

Ion Ratio Lower Upper

173 100

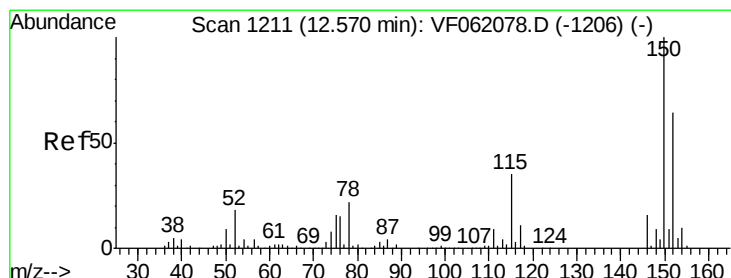
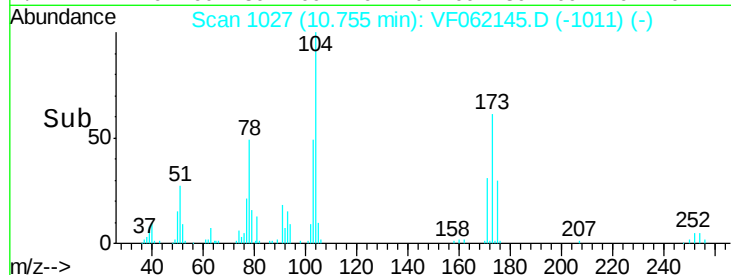
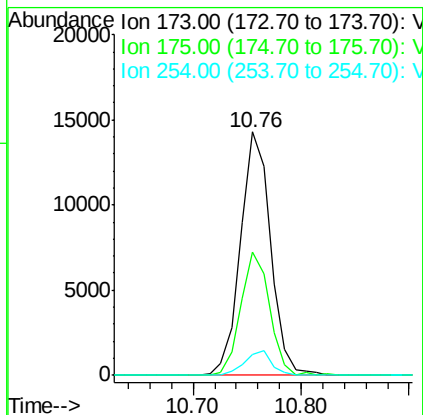
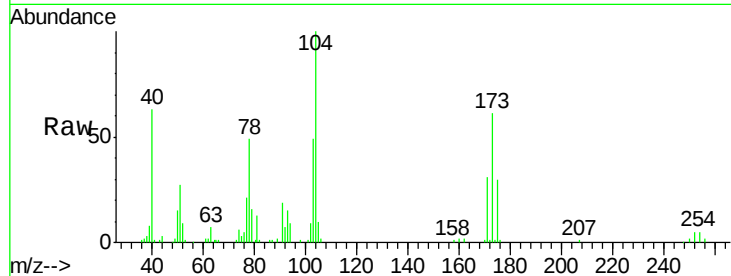
175 50.4 24.1 72.4

254 8.8 6.2 9.4

Manual Integrations
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MMDadoda

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

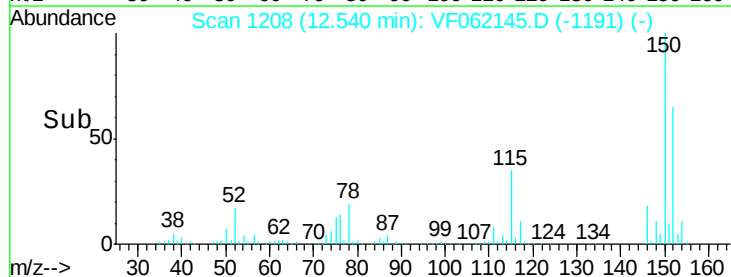
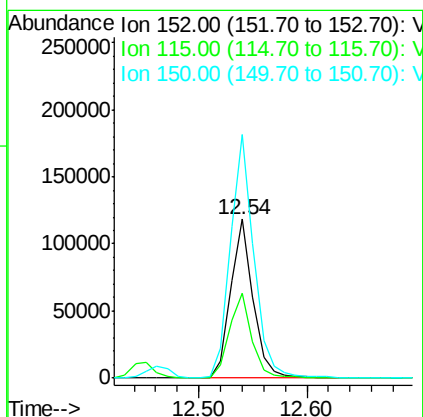
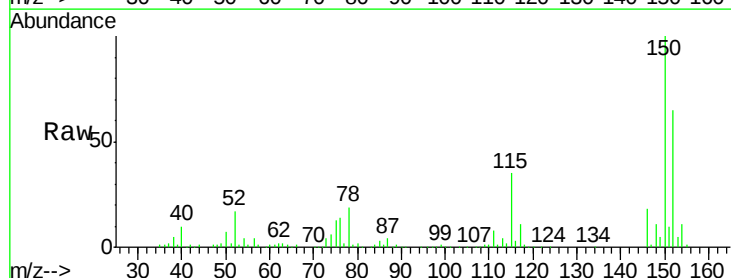
Tgt Ion:152 Resp: 172447

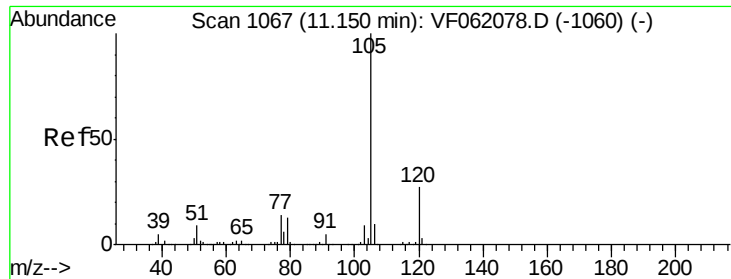
Ion Ratio Lower Upper

152 100

115 53.5 27.7 83.1

150 153.2 0.0 313.2





#73

Isopropylbenzene

Concen: 23.813 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion:105 Resp: 288957

Ion Ratio Lower Upper

105 100

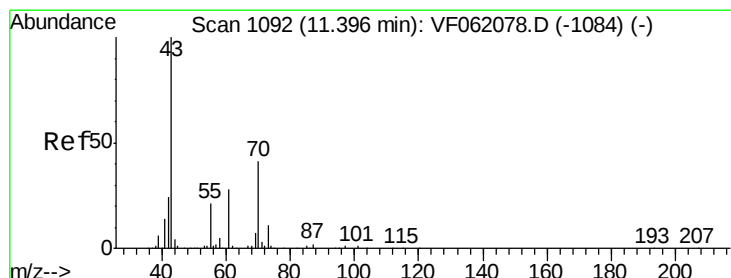
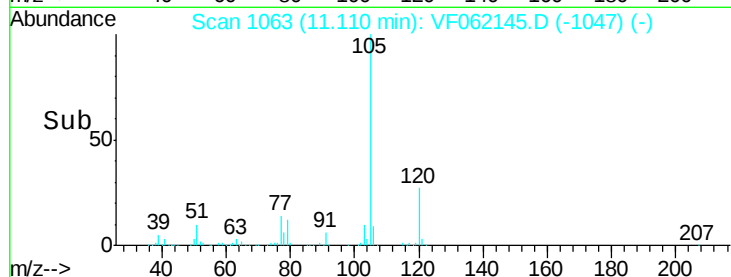
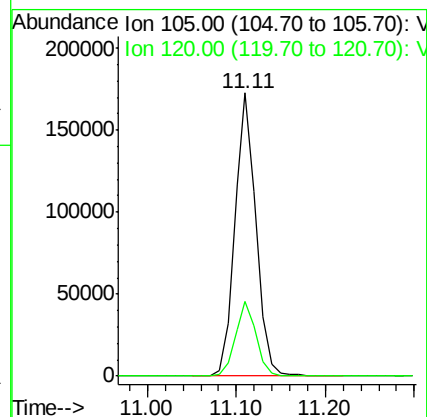
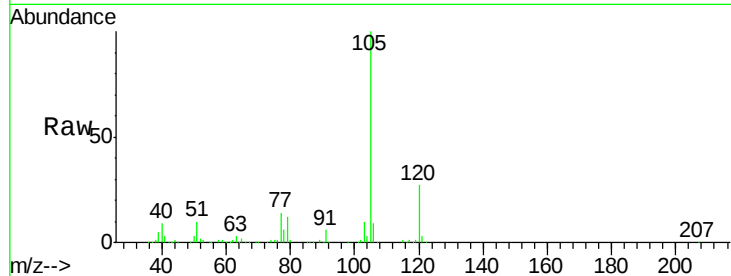
120 26.6 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.891 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion: 43 Resp: 66186

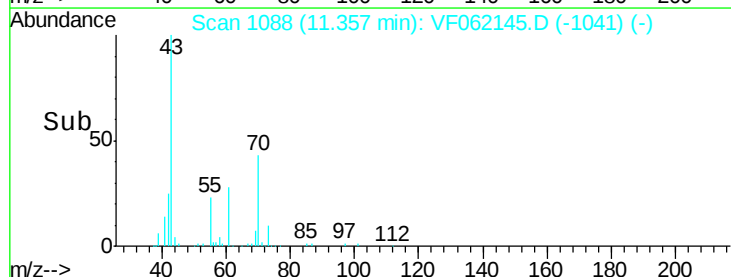
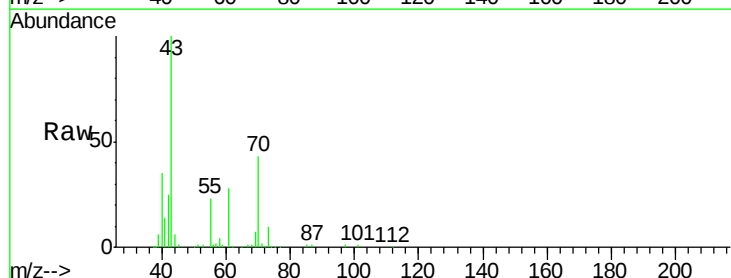
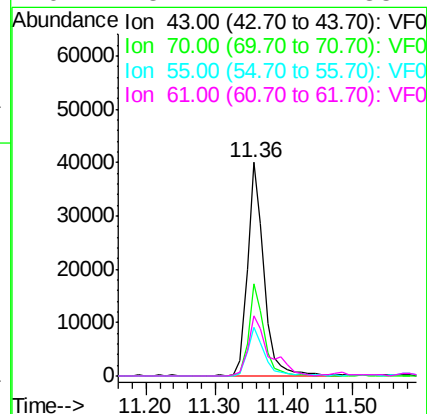
Ion Ratio Lower Upper

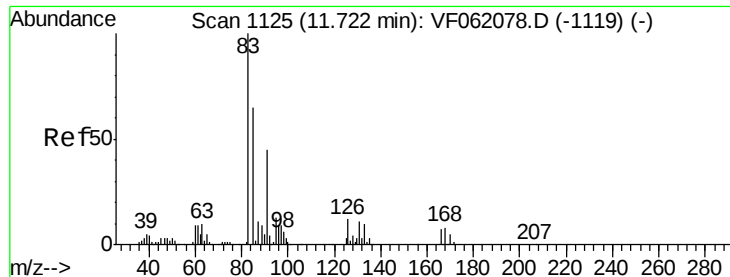
43 100

70 42.9 32.9 49.3

55 23.0 17.1 25.7

61 28.1 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.096 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

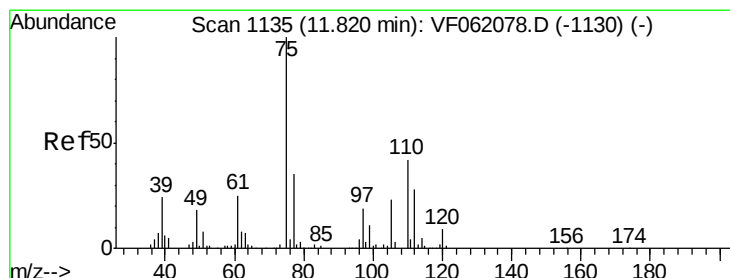
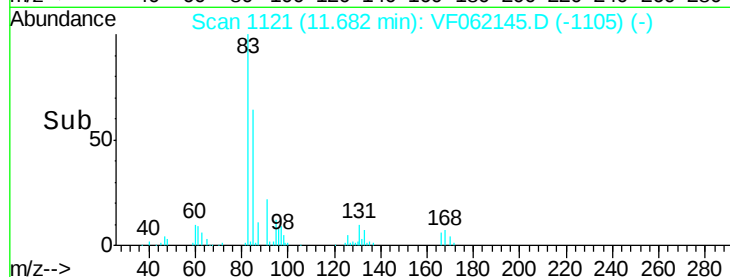
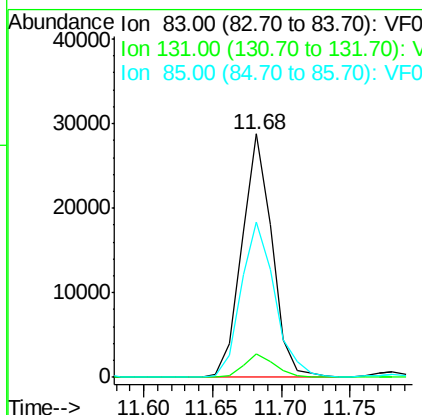
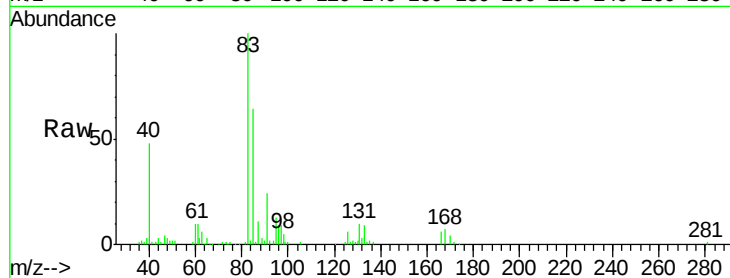
ClientSampleId :

VF0326SBS01

Tot Ion:	83	Resp:	43954
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.3	15.8
85	64.0	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.017 ug/l m

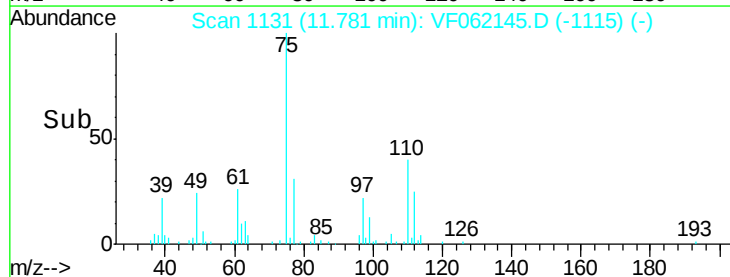
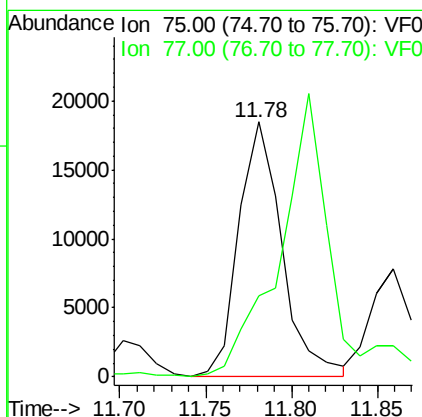
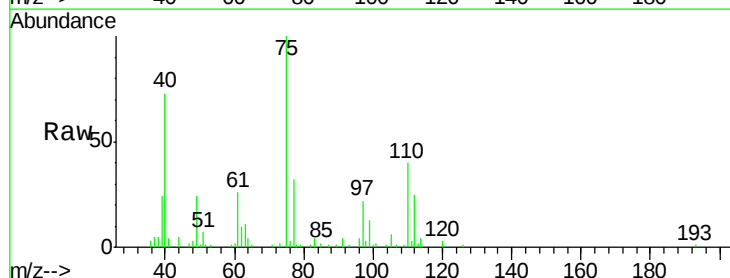
RT: 11.78 min Scan# 1131

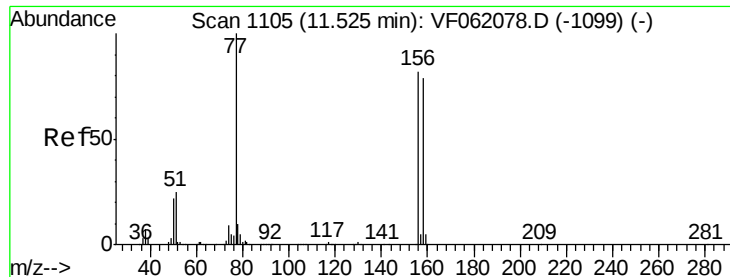
Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	75	Resp:	32284
Ion Ratio	Lower	Upper	
75	100		
77	32.0	17.8	53.3





#77

Bromobenzene

Concen: 22.508 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

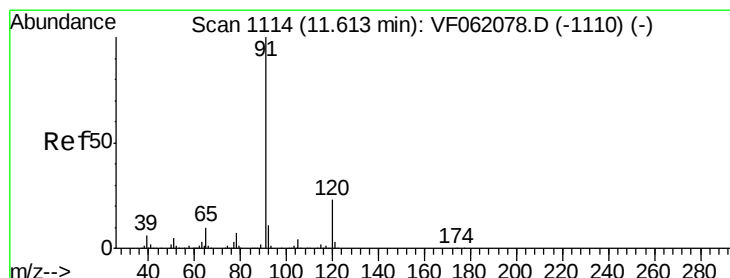
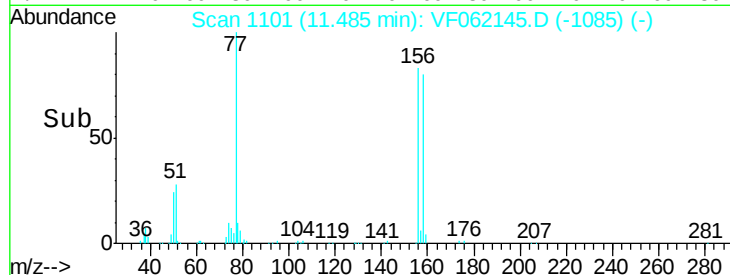
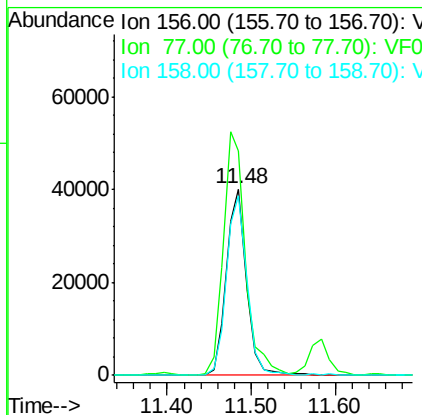
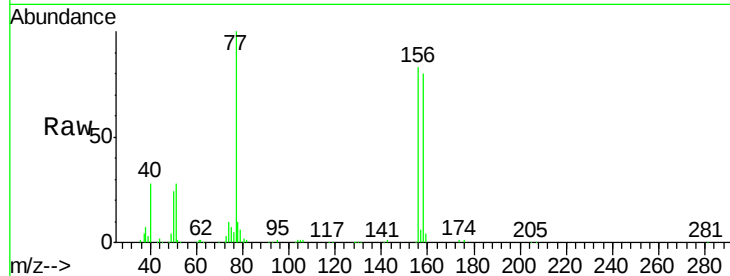
ClientSampleId :

VF0326SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	120.1	61.3	183.9	
158	96.4	48.6	145.9	

Manual Integrations
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3/27/2019 12:01:40 PM



#78

n-propylbenzene

Concen: 24.020 ug/l

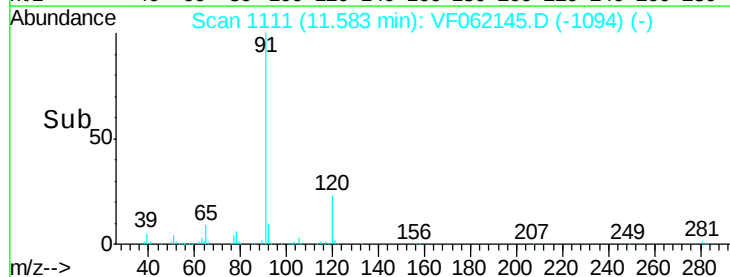
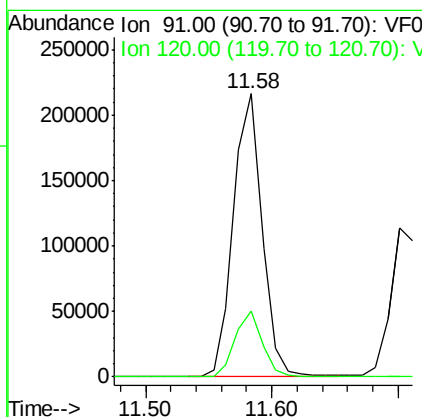
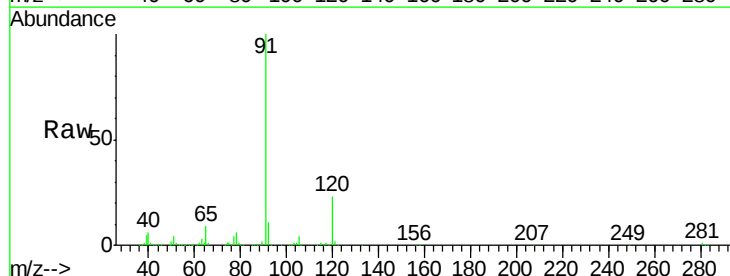
RT: 11.58 min Scan# 1111

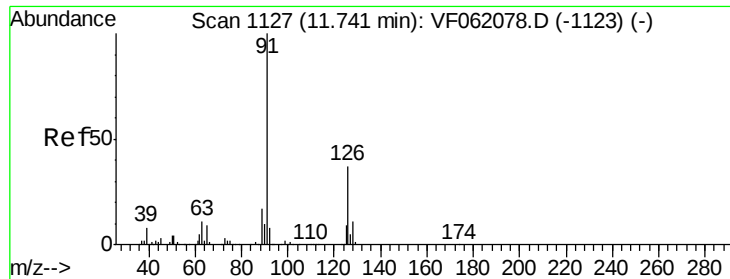
Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.2	11.3	33.8	





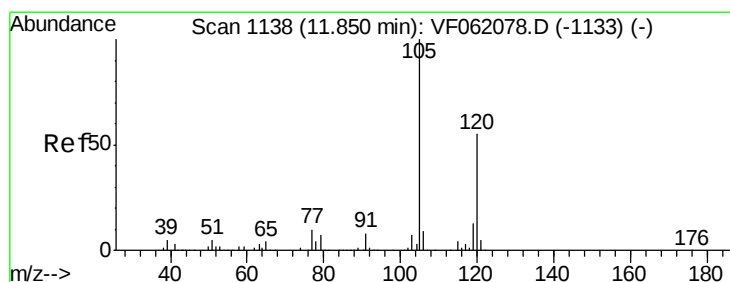
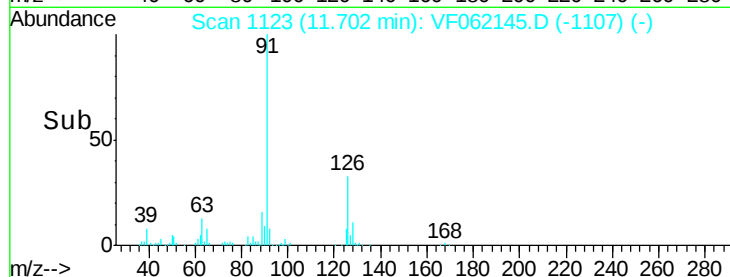
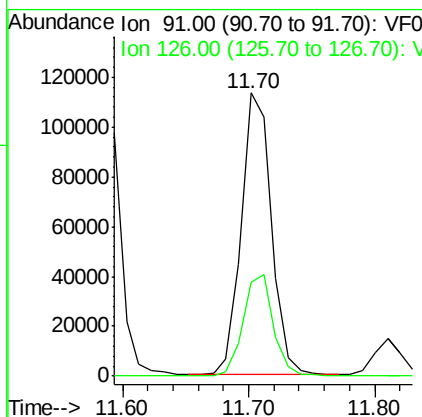
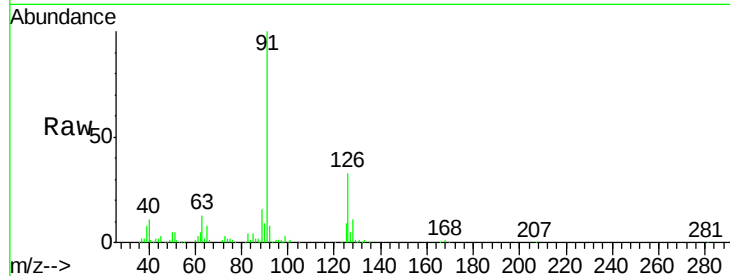
#79
 2-Chlorotoluene
 Concen: 23.668 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.04 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBSD01

Tot Ion: 91 Resp: 185359
 Ion Ratio Lower Upper
 91 100
 126 33.3 18.3 54.8

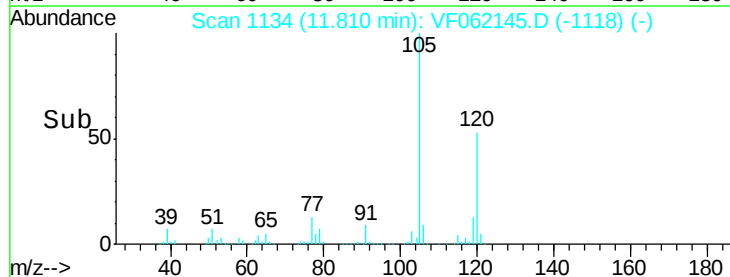
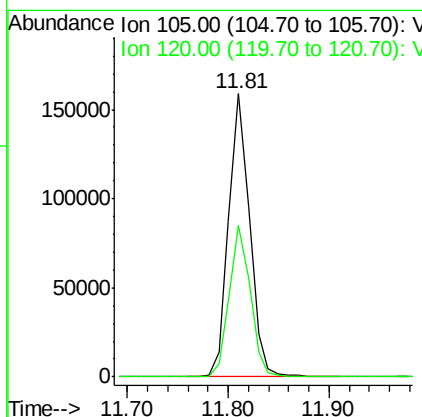
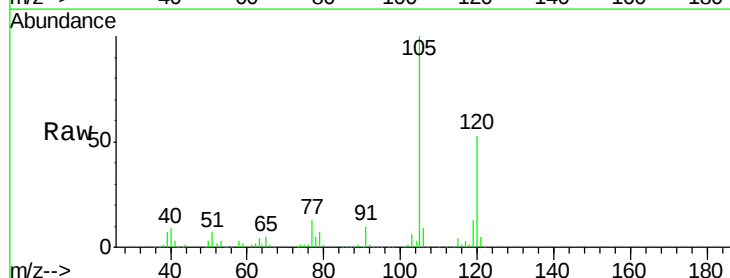
Manual Integrations
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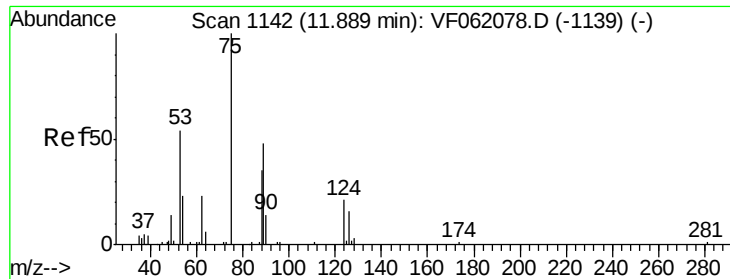
MMDadoda
 3/27/2019 12:01:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 23.147 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.04 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion: 105 Resp: 231030
 Ion Ratio Lower Upper
 105 100
 120 53.5 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.001 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

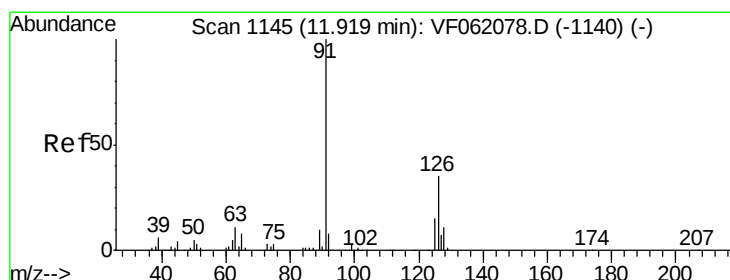
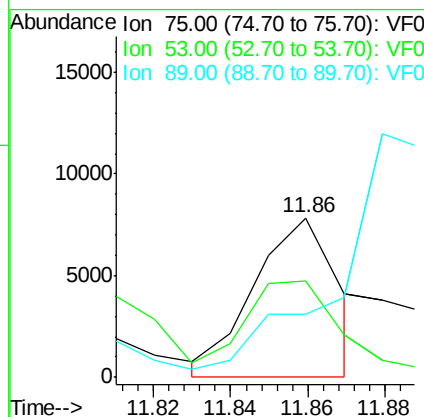
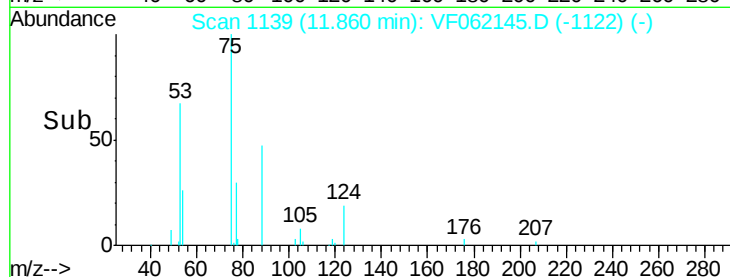
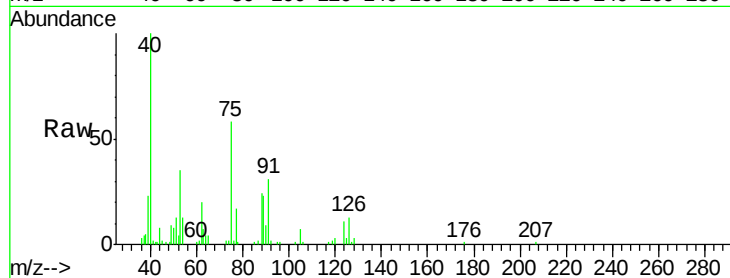
ClientSampleId :

VF0326SBSD01

Tot Ion:	75	Resp:	11950
Ion	Ratio	Lower	Upper
75	100		
53	60.7	49.4	74.0
89	39.5	40.6	60.8#

Manual Integrations
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3/27/2019 12:01:40 PM



#82

4-Chlorotoluene

Concen: 22.902 ug/l

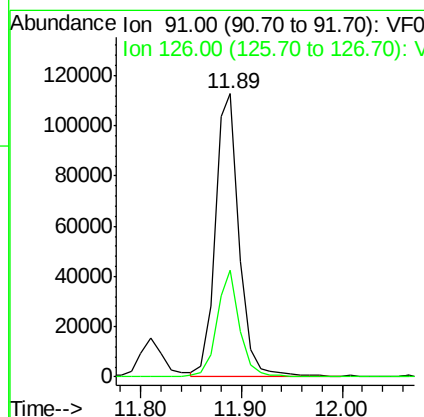
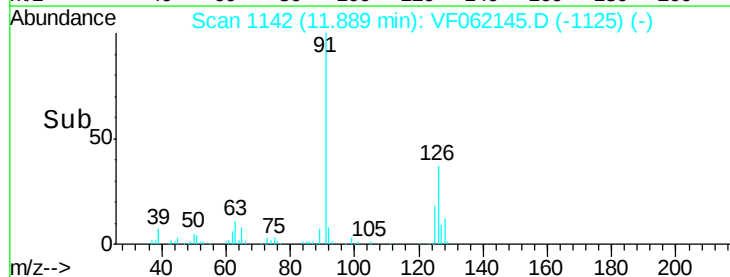
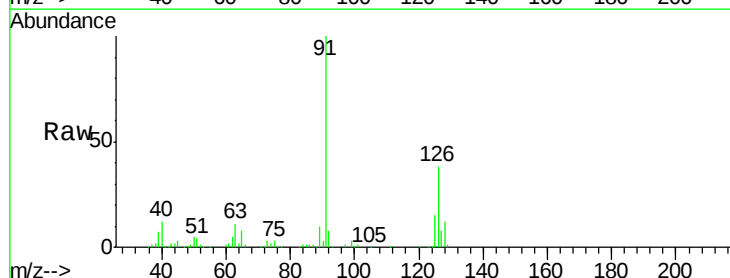
RT: 11.89 min Scan# 1142

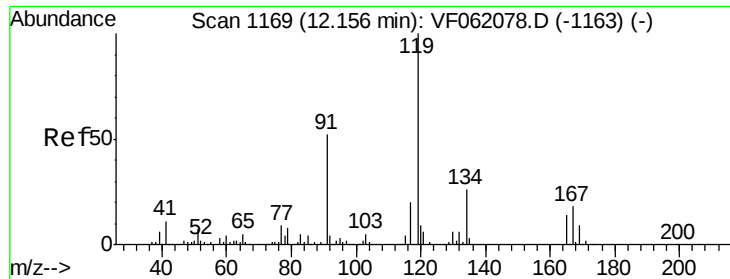
Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	91	Resp:	183906
Ion	Ratio	Lower	Upper
91	100		
126	37.8	17.2	51.6





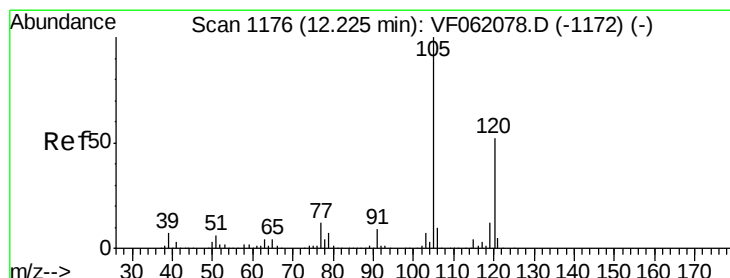
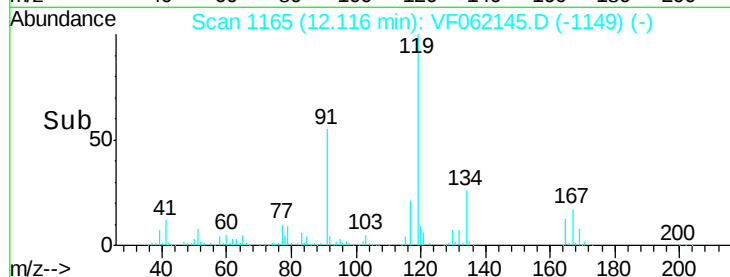
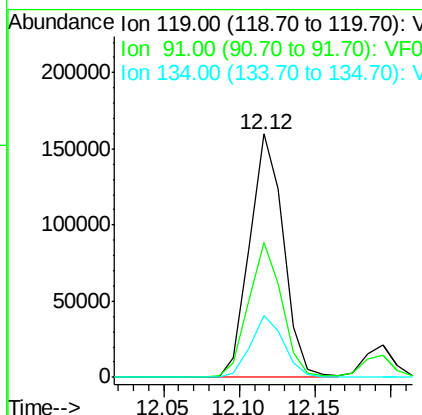
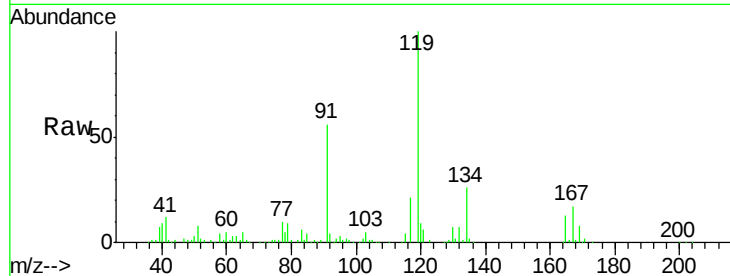
#83
 tert-Butylbenzene
 Concen: 23.876 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	249466		
91	55.6		26.1	78.2
134	25.6		12.8	38.4

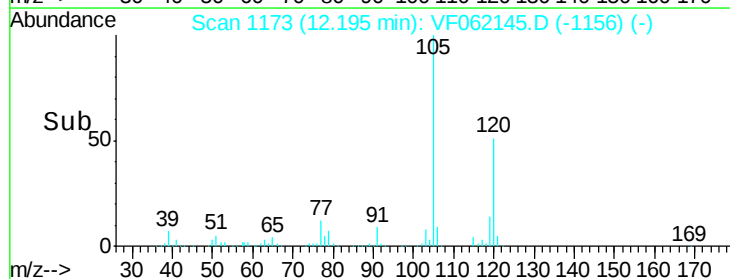
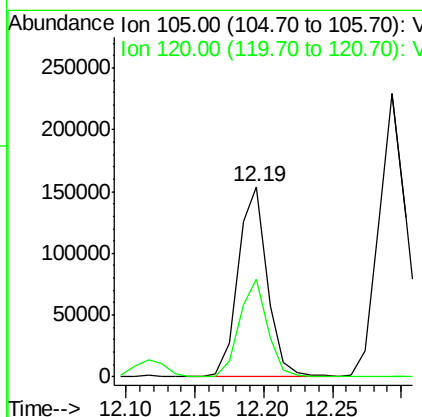
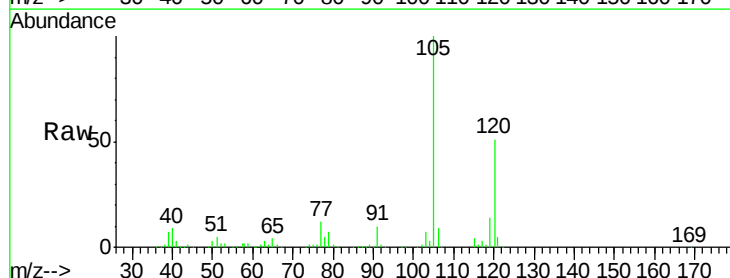
Manual Integrations
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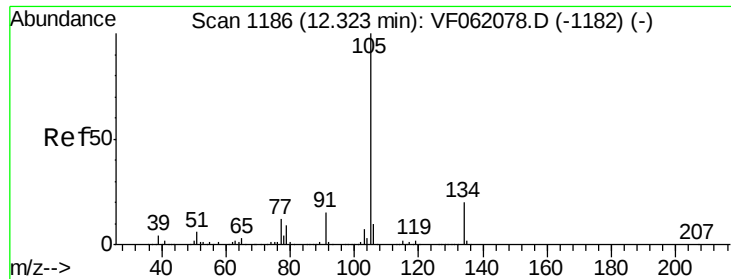
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.290 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227888		
120	51.2		26.1	78.2





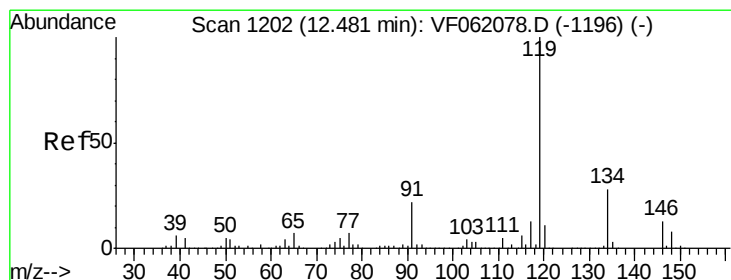
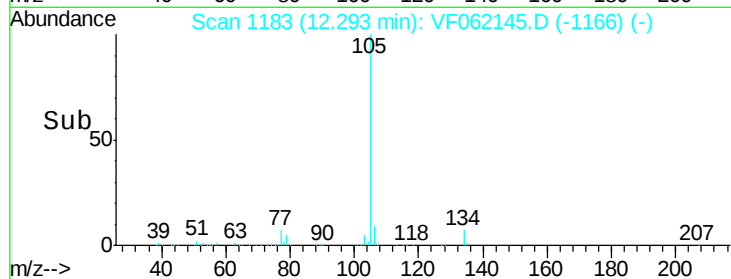
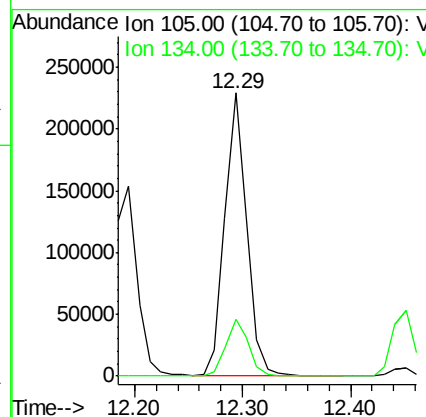
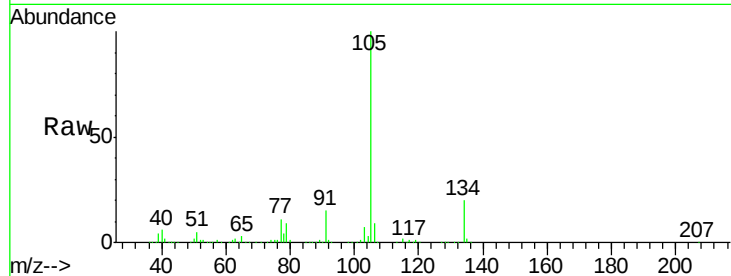
#85
 sec-Butylbenzene
 Concen: 23.922 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4

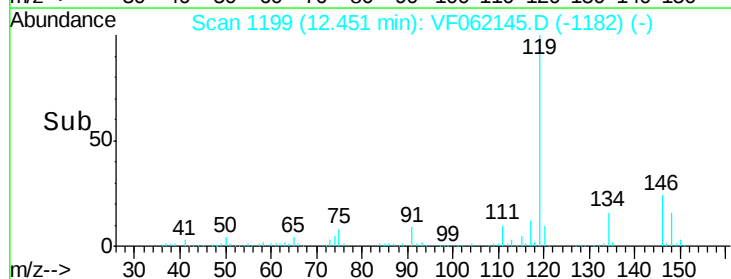
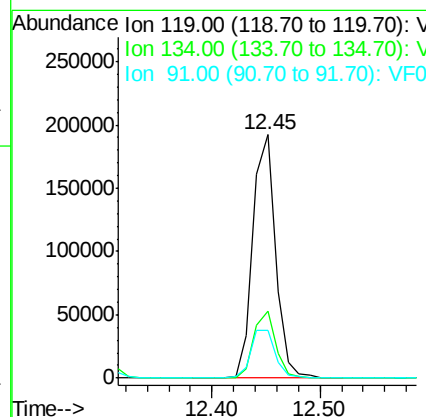
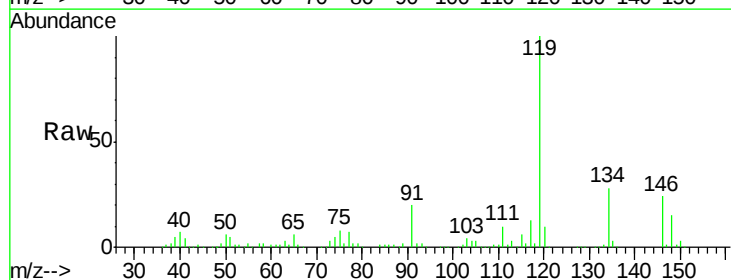
Manual Integrations
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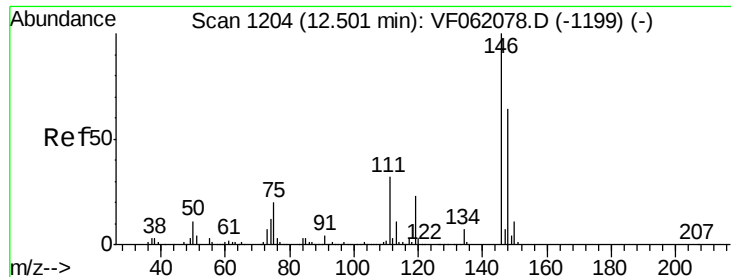
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 24.054 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	14.0	42.0
91	19.6	10.8	32.4





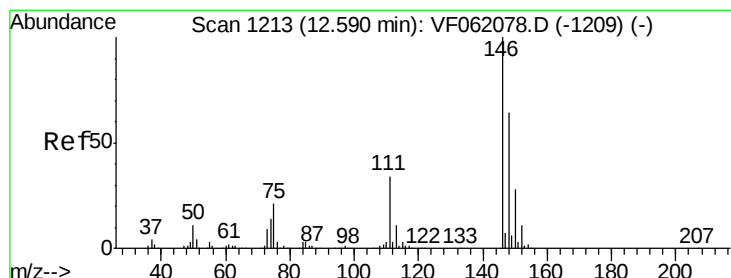
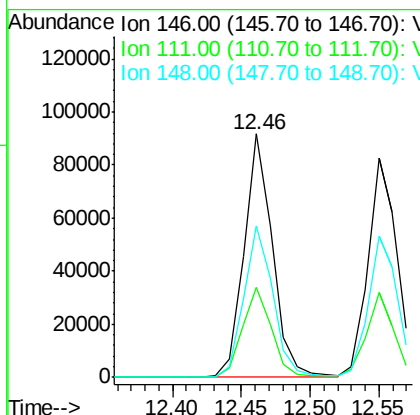
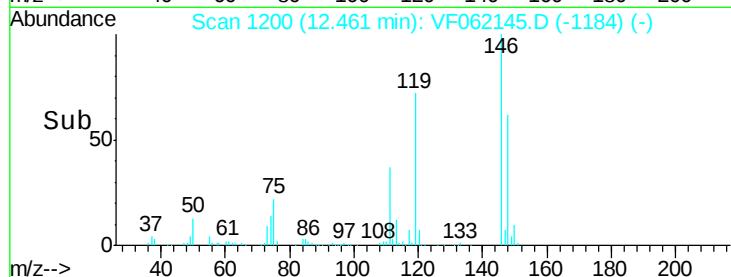
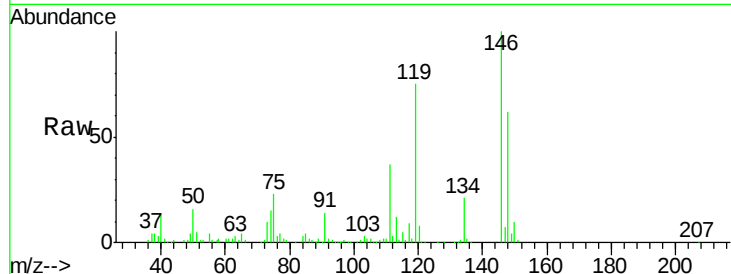
#87
1,3-Dichlorobenzene
Concen: 24.057 ug/l
RT: 12.46 min Scan# 1200
Delta R.T. -0.04 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	132505		
111	37.0	16.1	48.3	
148	62.3	31.9	95.7	

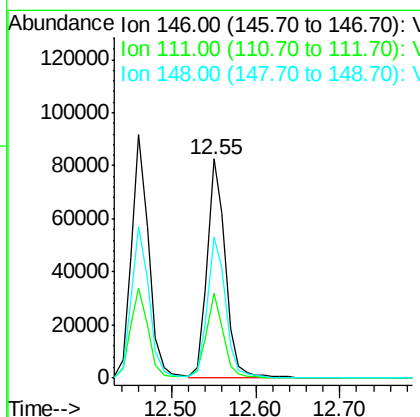
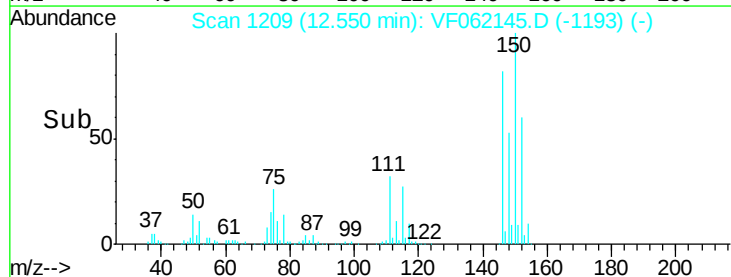
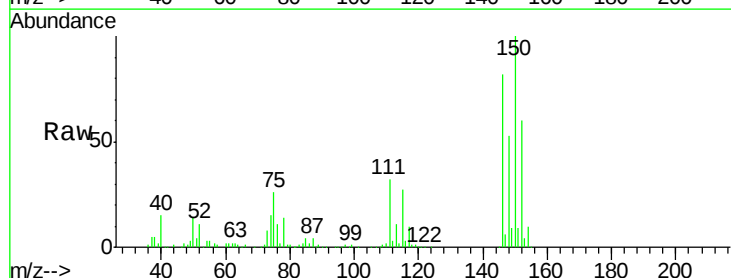
Manual Integrations
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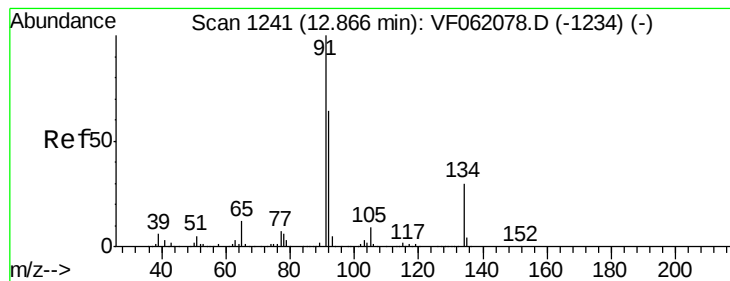
MMDadoda
3/27/2019 12:01:40 PM



#88
1,4-Dichlorobenzene
Concen: 23.178 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.04 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124571		
111	38.7	16.9	50.6	
148	64.3	31.9	95.7	





#89

n-Butylbenzene

Concen: 24.292 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

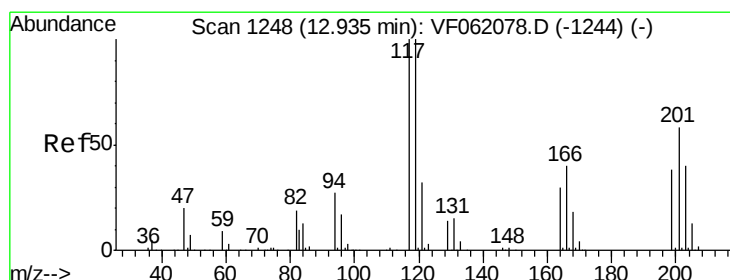
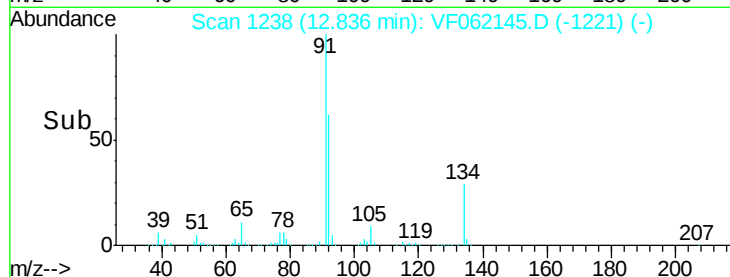
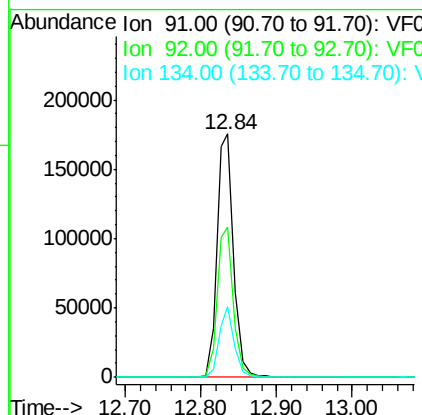
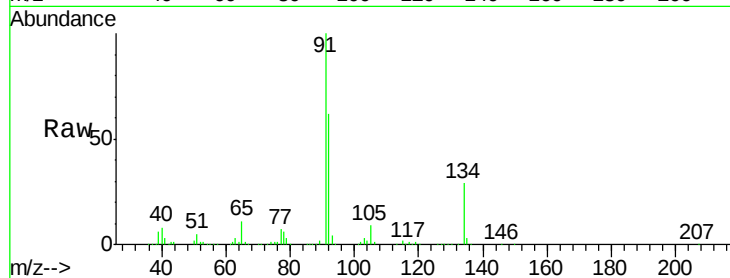
ClientSampleId :

VF0326SBS01

Tot Ion:	91	Resp:	271403
Ion Ratio	Lower	Upper	
91	100		
92	61.9	31.9	95.5
134	29.0	14.9	44.9

Manual Integrations
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3/27/2019 12:01:40 PM



#90

Hexachloroethane

Concen: 23.576 ug/l

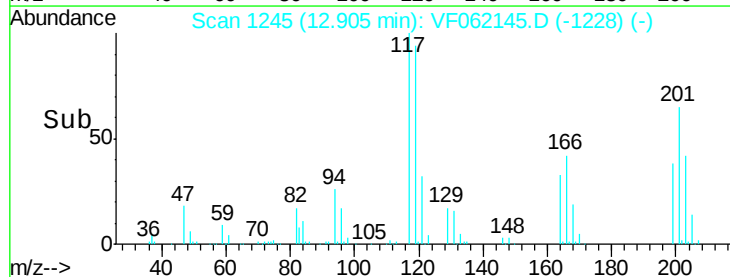
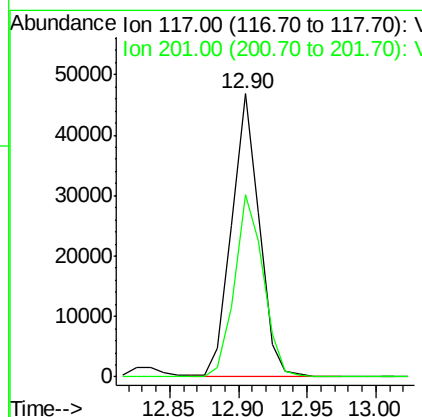
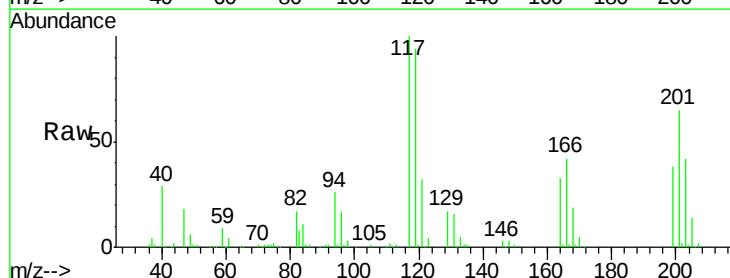
RT: 12.90 min Scan# 1245

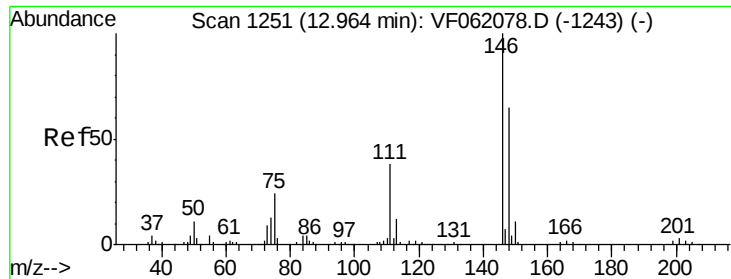
Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	117	Resp:	65741
Ion Ratio	Lower	Upper	
117	100		
201	64.5	28.7	86.1





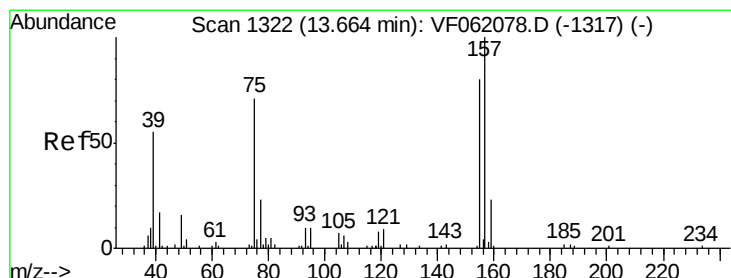
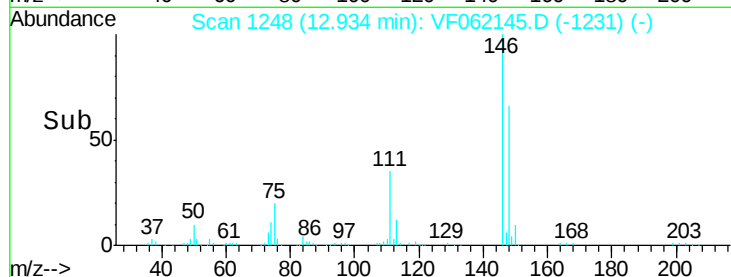
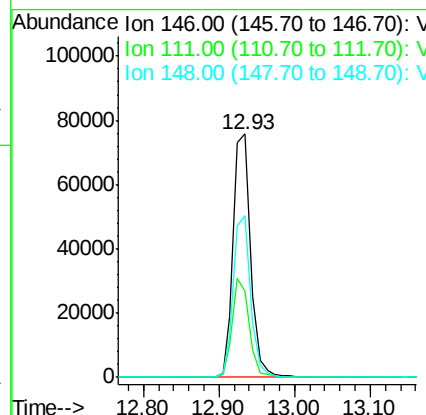
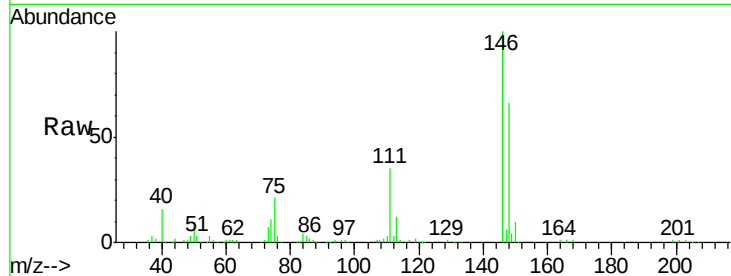
#91
 1,2-Dichlorobenzene
 Concen: 23.497 ug/l
 RT: 12.93 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	19.1	57.3
148	66.3	32.8	98.3

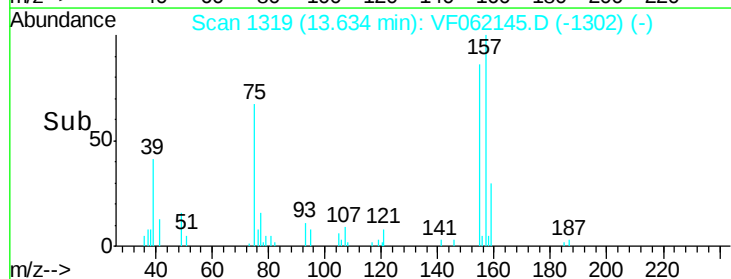
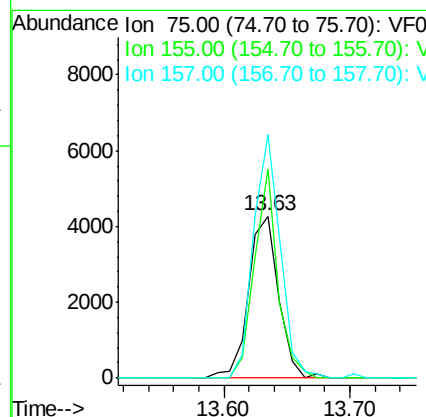
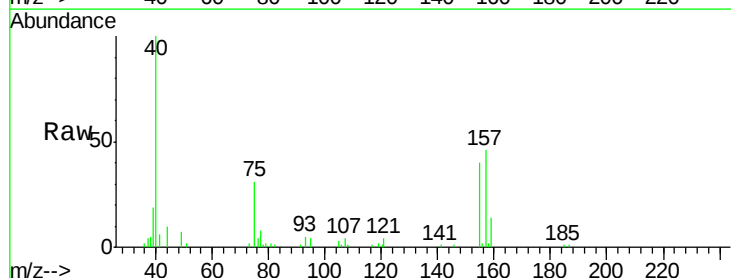
Manual Integrations
 APPROVED

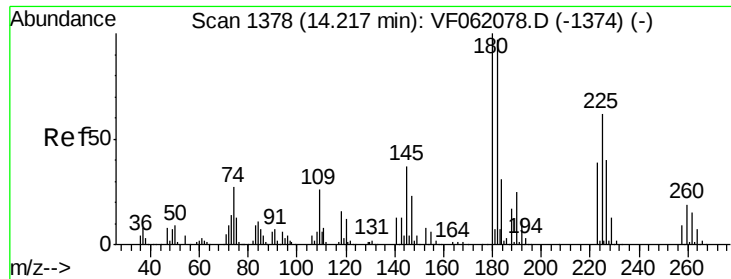
MMDadoda
 3/27/2019 12:01:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.386 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	129.0	56.1	168.4
157	150.4	70.4	211.2





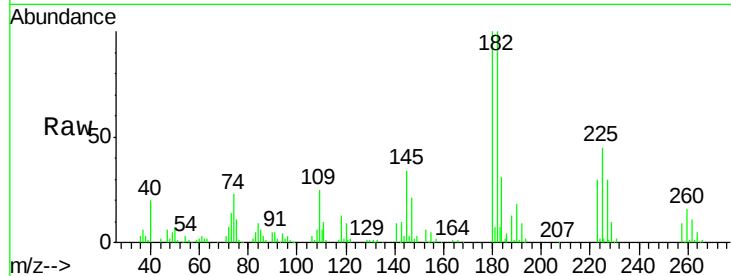
#93
 1,2,4-Trichlorobenzene
 Concen: 23.598 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

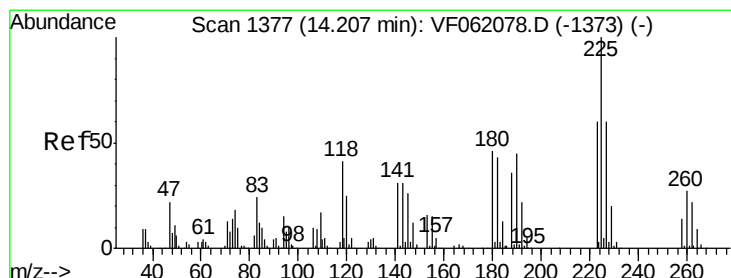
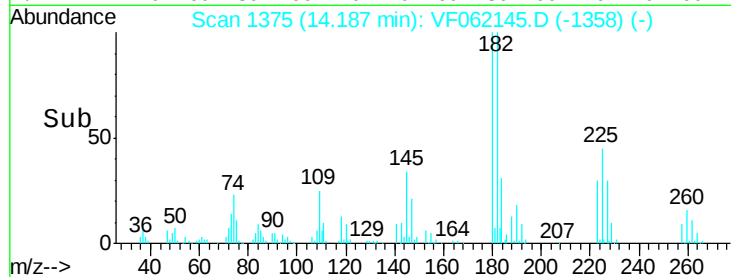
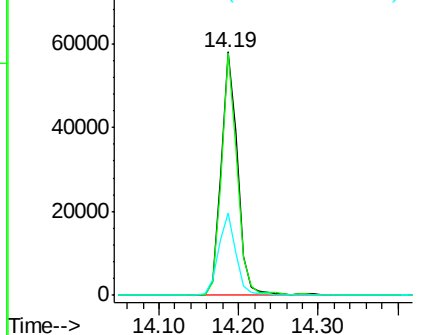
Tot Ion	Ratio	Resp	Lower	Upper
180	100	85062		
182	99.6	48.7	146.1	
145	33.8	18.3	54.8	

Manual Integrations
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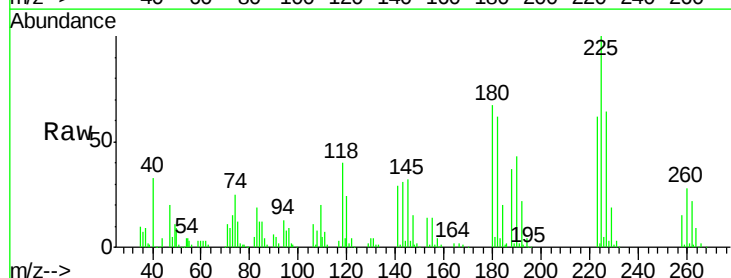


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

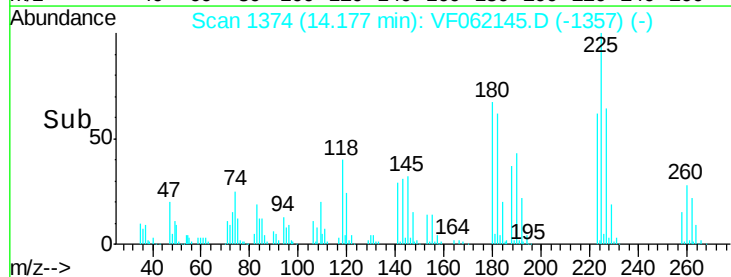
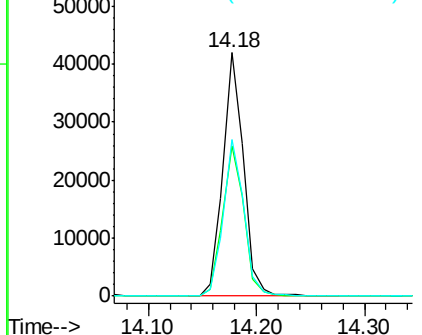


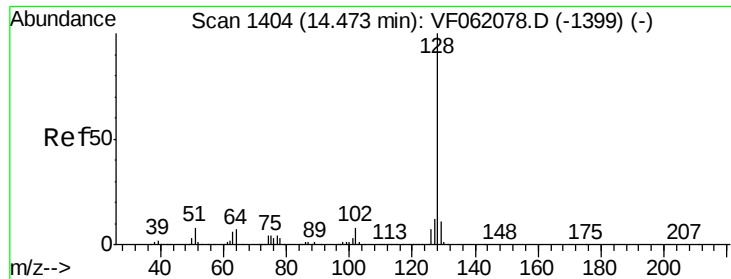
#94
 Hexachlorobutadiene
 Concen: 23.330 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55915		
223	61.9	30.0	90.0	
227	64.1	30.2	90.6	



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





#95

Naphthalene

Concen: 22.619 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

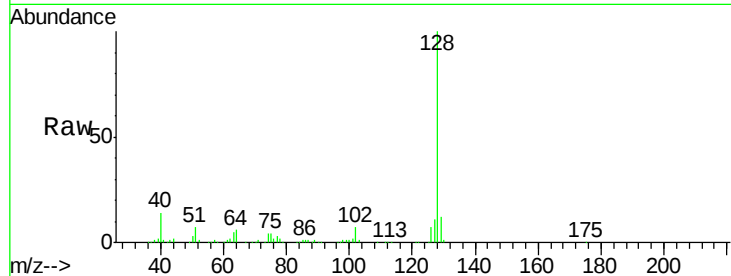
ClientSampleId :

VF0326SBS01

Tot Ion:	128	Resp:	142875
Ion Ratio	Lower	Upper	
128	100		
127	11.4	9.5	14.3
129	11.7	8.7	13.1

Manual Integrations
APPROVED

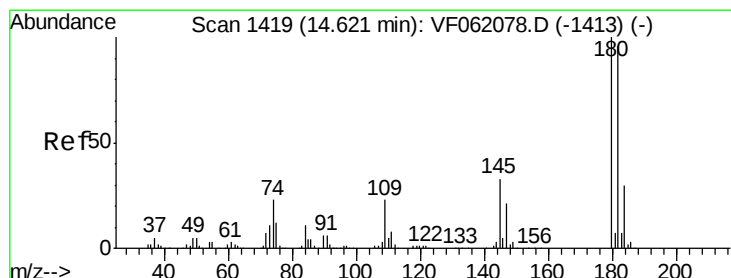
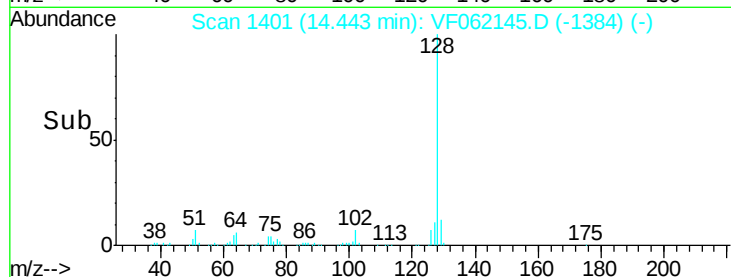
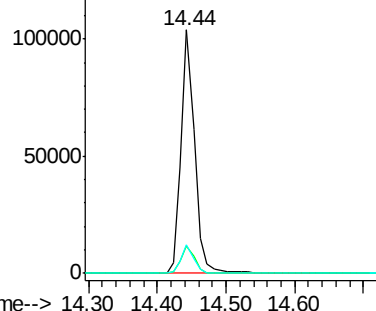
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3/27/2019 12:01:40 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.666 ug/l

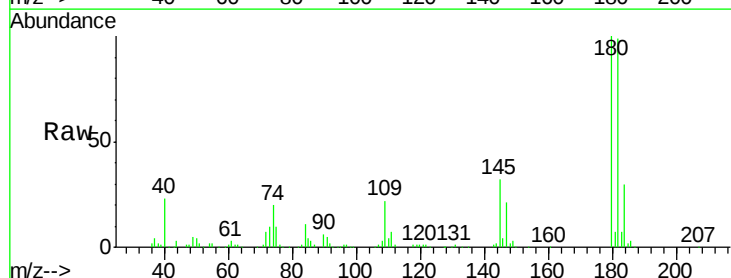
RT: 14.59 min Scan# 1416

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	180	Resp:	76477
Ion Ratio	Lower	Upper	
180	100		
182	98.8	47.9	143.7
145	31.7	16.6	49.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

