

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061846.D
 Acq On : 5 Mar 2019 15:40
 Operator : VA/AP
 Sample : VF0305SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:12:14 AM

Quant Time: Mar 06 06:02:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	303131	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	458285	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	388247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	211714	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	121464	55.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.04%	
35) Dibromofluoromethane	4.11	113	175524	54.88	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.76%	
50) Toluene-d8	7.56	98	499930	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.41	95	199139	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	85643	23.013	ug/l	90
3) Chloromethane	1.10	50	78528	21.773	ug/l	92
4) Vinyl Chloride	1.15	62	79823	23.314	ug/l	96
5) Bromomethane	1.35	94	49689	21.295	ug/l	87
6) Chloroethane	1.40	64	36869	22.654	ug/l	96
7) Trichlorofluoromethane	1.49	101	96660	23.115	ug/l	96
8) Diethyl Ether	1.63	74	20193	21.235	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	67342	23.714	ug/l	92
10) Methyl Iodide	1.92	142	119577m	22.128	ug/l	
11) Tert butyl alcohol	2.58	59	13167	105.086	ug/l	95
12) 1,1-Dichloroethene	1.80	96	57556	22.201	ug/l	96
13) Acrolein	2.01	56	16575	104.399	ug/l #	77
14) Allyl chloride	2.10	41	67168	23.518	ug/l	94
15) Acrylonitrile	2.94	53	44349	111.156	ug/l	98
16) Acetone	2.24	43	53453	115.595	ug/l	98
17) Carbon Disulfide	1.82	76	183941m	22.793	ug/l	
18) Methyl Acetate	2.35	43	24070	26.437	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	96431	21.988	ug/l	100
20) Methylene Chloride	2.19	84	61320m	20.797	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	62438	25.590	ug/l	88
22) Diisopropyl ether	2.81	45	160183	21.561	ug/l	95
23) Vinyl Acetate	3.19	43	384546	115.863	ug/l	99
24) 1,1-Dichloroethane	2.88	63	97185	21.885	ug/l	98
25) 2-Butanone	4.34	43	105195	111.839	ug/l	93
26) 2,2-Dichloropropane	3.61	77	47293	23.857	ug/l	89
27) cis-1,2-Dichloroethene	3.48	96	77690	22.982	ug/l	99
28) Bromochloromethane	3.72	49	41155	21.261	ug/l #	92
29) Tetrahydrofuran	4.08	42	44583	109.905	ug/l	97
30) Chloroform	3.86	83	113649	22.406	ug/l	94
31) Cyclohexane	3.69	56	103281m	22.206	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	70963	22.698	ug/l	95
36) 1,1-Dichloropropene	4.28	75	96294	22.244	ug/l	98
37) Ethyl Acetate	4.12	43	43161	23.754	ug/l #	93
38) Carbon Tetrachloride	3.99	117	70476	22.998	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061846.D
 Acq On : 5 Mar 2019 15:40
 Operator : VA/AP
 Sample : VF0305SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0305SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:12:14 AM

Quant Time: Mar 06 06:02:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	112458	21.994	ug/l	94
40) Benzene	4.63	78	248824	21.990	ug/l	98
41) Methacrylonitrile	4.75	41	18093	18.174	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	60599	21.489	ug/l	96
43) Isopropyl Acetate	6.97	43	44111	19.694	ug/l	96
44) Trichloroethene	5.51	130	79760	22.682	ug/l	99
45) 1,2-Dichloropropane	6.24	63	59438	22.090	ug/l	98
46) Dibromomethane	6.09	93	35940	21.223	ug/l	95
47) Bromodichloromethane	6.39	83	78296	20.928	ug/l	93
48) Methyl methacrylate	6.72	41	30640	21.615	ug/l	89
49) 1,4-Dioxane	6.71	88	4995	385.472	ug/l	88
51) 4-Methyl-2-Pentanone	8.26	43	155620	100.529	ug/l	98
52) Toluene	7.63	92	147770	22.075	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	61138	19.797	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	90847	21.327	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	40885	21.198	ug/l	95
56) Ethyl methacrylate	8.62	69	44491	20.468	ug/l	98
57) 1,3-Dichloropropane	8.85	76	72273	22.913	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	35034	101.887	ug/l	90
59) 2-Hexanone	9.49	43	117774	105.461	ug/l	99
60) Dibromochloromethane	8.71	129	60834	22.130	ug/l	89
61) 1,2-Dibromoethane	8.99	107	45026	21.229	ug/l	97
64) Tetrachloroethene	8.15	164	70717	23.705	ug/l	98
65) Chlorobenzene	9.80	112	165926	22.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	67211	23.257	ug/l	98
67) Ethyl Benzene	9.91	91	286343	23.161	ug/l	97
68) m/p-Xylenes	10.13	106	213804	45.143	ug/l	98
69) o-Xylene	10.71	106	112231	22.006	ug/l	96
70) Styrene	10.79	104	151135	21.057	ug/l #	91
71) Bromoform	10.77	173	31418	20.570	ug/l	98
73) Isopropylbenzene	11.13	105	329062	22.577	ug/l	99
74) N-amyl acetate	11.38	43	75015	22.356	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	54054	22.314	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	35777	21.639	ug/l	89
77) Bromobenzene	11.49	156	81371	23.197	ug/l	91
78) n-propylbenzene	11.59	91	388855	23.624	ug/l	98
79) 2-Chlorotoluene	11.72	91	211234	22.447	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	267346	22.846	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.87	75	15885m	21.011	ug/l	
82) 4-Chlorotoluene	11.90	91	217258	22.571	ug/l	99
83) tert-Butylbenzene	12.13	119	295938	23.816	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	274221	23.904	ug/l	97
85) sec-Butylbenzene	12.30	105	376604	23.290	ug/l	99
86) p-Isopropyltoluene	12.46	119	427551	31.106	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	168542	25.304	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	142717	22.212	ug/l	99
89) n-Butylbenzene	12.84	91	317347	24.159	ug/l	97
90) Hexachloroethane	12.91	117	73953	22.353	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	145637	23.078	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9465	24.572	ug/l	71

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030519\
Data File : VF061846.D
Acq On : 5 Mar 2019 15:40
Operator : VA/AP
Sample : VF0305SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

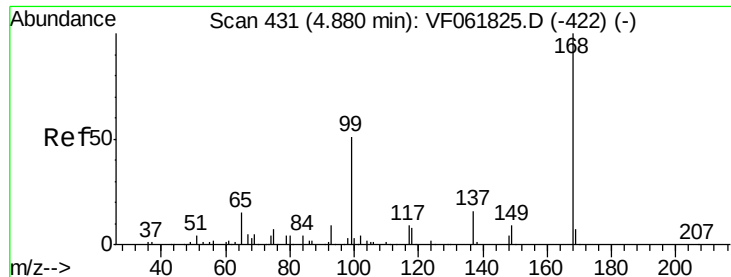
Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:12:14 AM

Quant Time: Mar 06 06:02:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	105181	23.774	ug/l	93
94) Hexachlorobutadiene	14.19	225	71020	23.188	ug/l	99
95) Naphthalene	14.45	128	162293	20.596	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	92058	22.536	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion:168 Resp: 303131

Ion Ratio Lower Upper

168 100

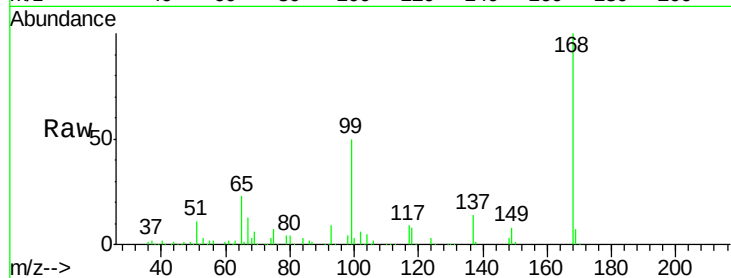
99 50.0 40.8 61.2

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:12:14 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

60000

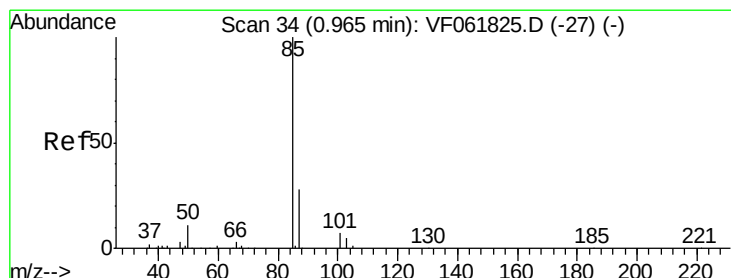
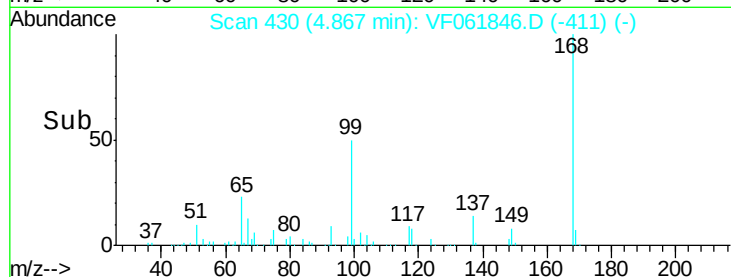
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.013 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061846.D

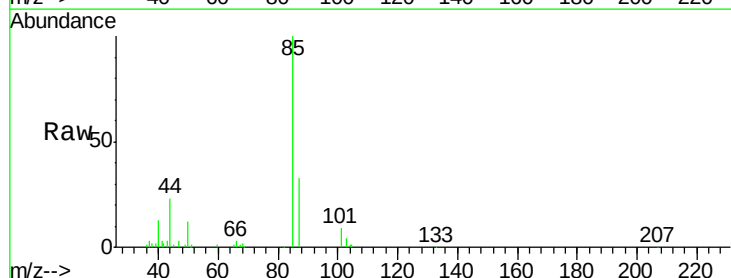
Acq: 5 Mar 2019 15:40

Tgt Ion: 85 Resp: 85643

Ion Ratio Lower Upper

85 100

87 33.3 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

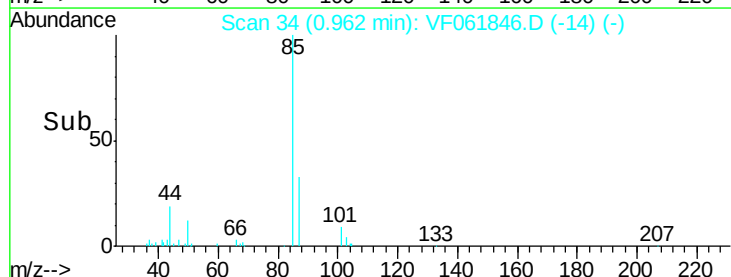
10000

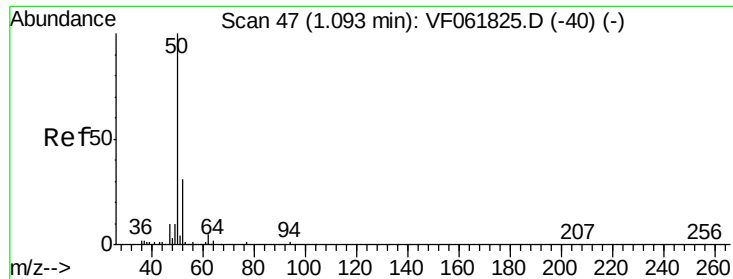
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.773 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 50 Resp: 78528

Ion Ratio Lower Upper

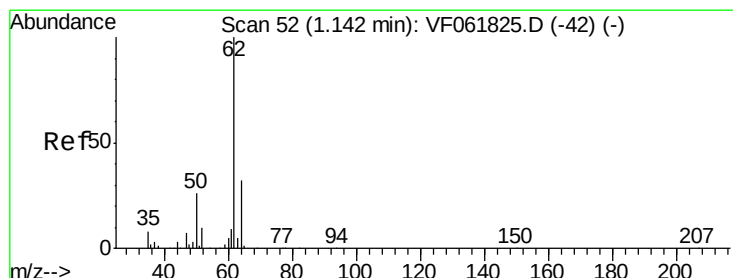
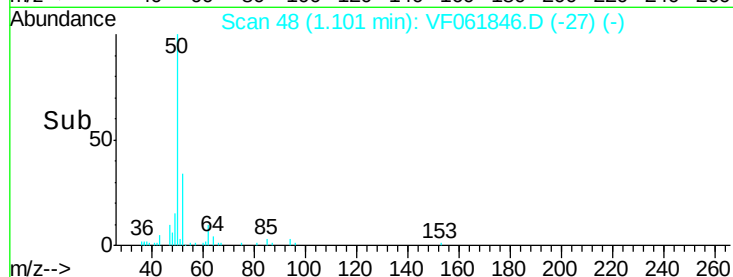
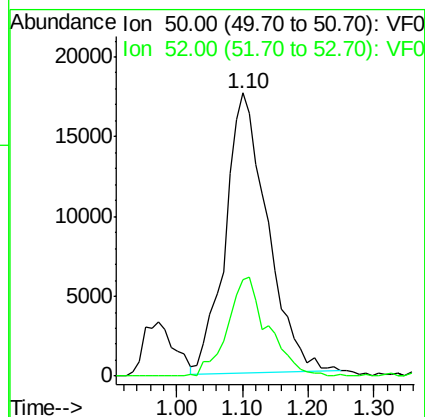
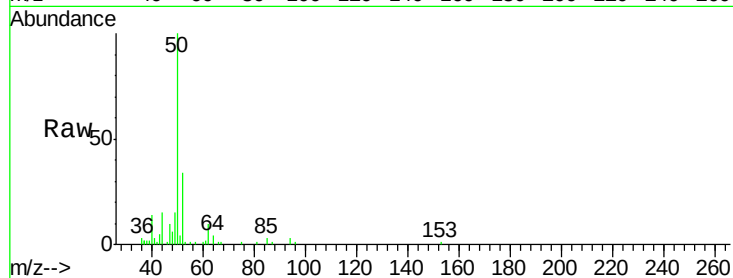
50 100

52 34.1 23.8 35.8

Manual Integrations
APPROVED

MMDadoda

3/8/2019 12:12:14 AM



#4

Vinyl Chloride

Concen: 23.314 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.01 min

Lab File: VF061846.D

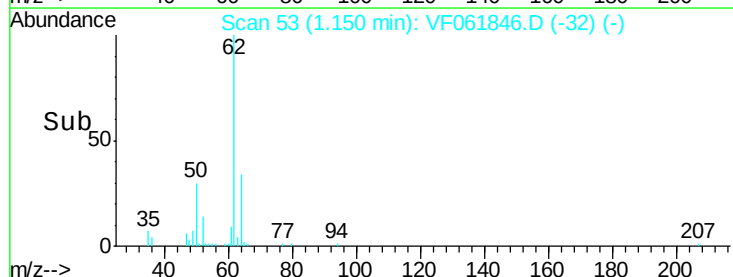
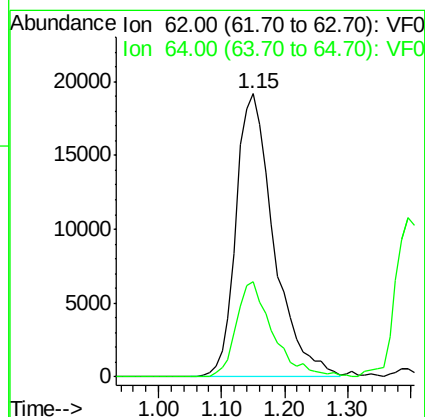
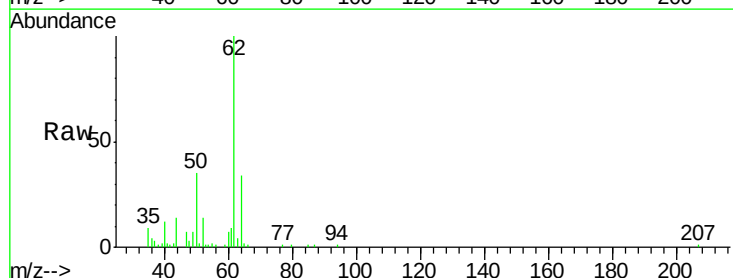
Acq: 5 Mar 2019 15:40

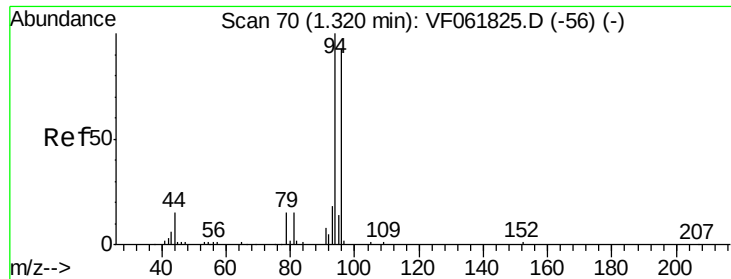
Tgt Ion: 62 Resp: 79823

Ion Ratio Lower Upper

62 100

64 33.5 25.2 37.8





#5

Bromomethane

Concen: 21.295 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.03 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 94 Resp: 49689

Ion Ratio Lower Upper

94 100

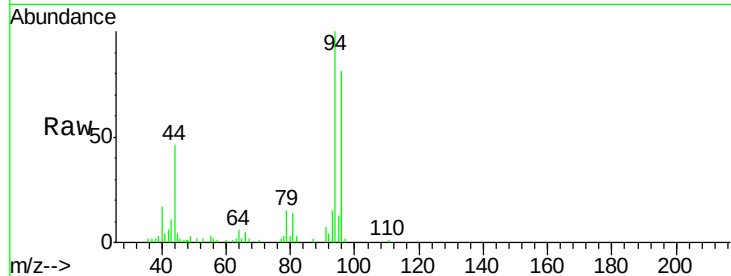
96 81.3 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:12:14 AM



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

10000

8000

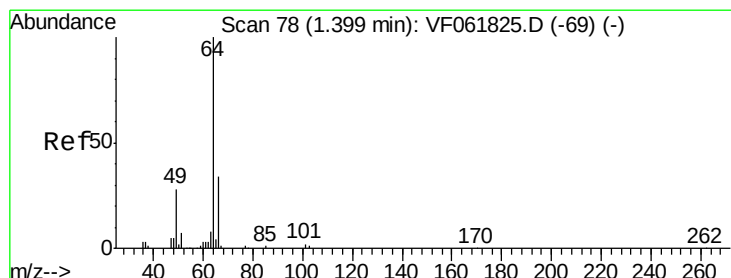
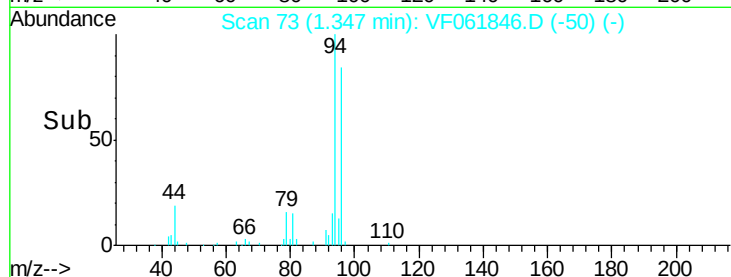
6000

4000

2000

0

Time--> 1.10 1.20 1.30 1.40 1.50



#6

Chloroethane

Concen: 22.654 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061846.D

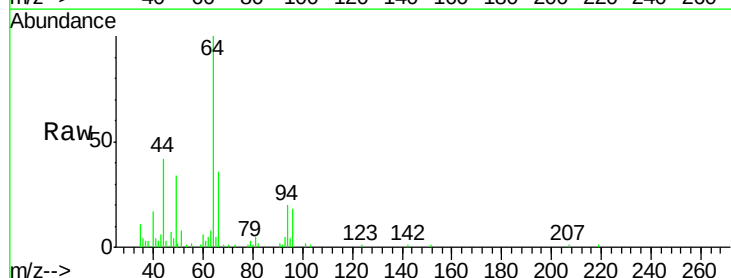
Acq: 5 Mar 2019 15:40

Tgt Ion: 64 Resp: 36869

Ion Ratio Lower Upper

64 100

66 36.2 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

12000

10000

8000

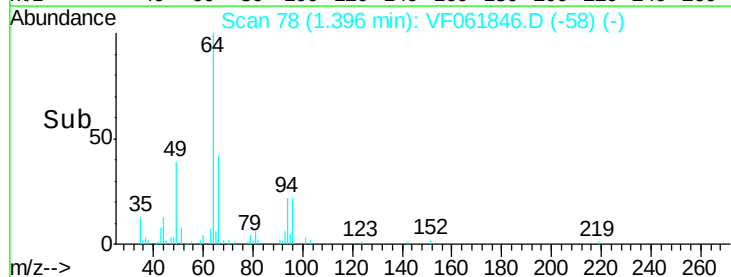
6000

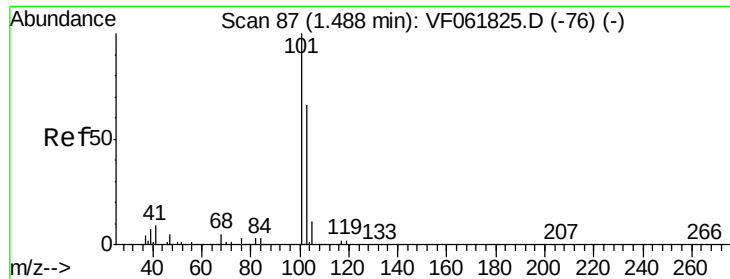
4000

2000

0

Time--> 1.20 1.30 1.40 1.50 1.60





#7

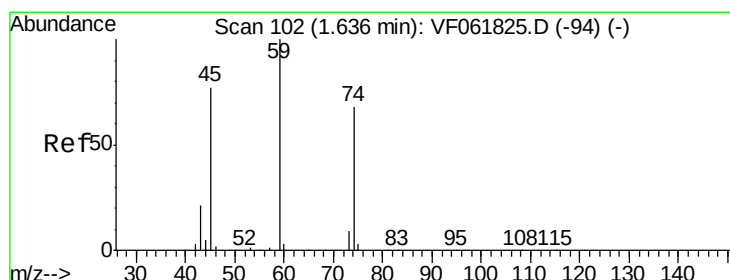
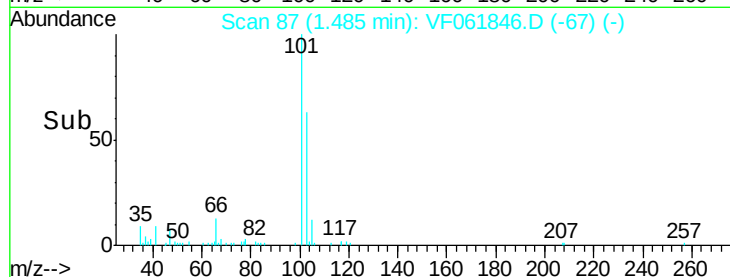
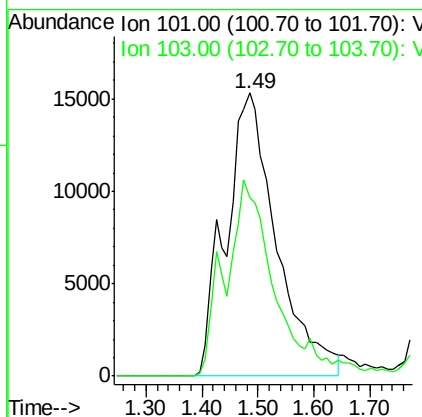
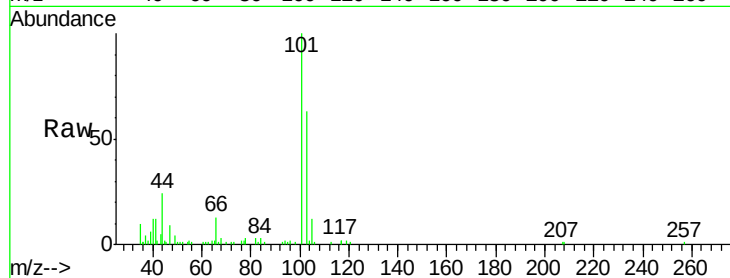
Trichlorofluoromethane
Concen: 23.115 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.8	79.2

Manual Integrations
APPROVED

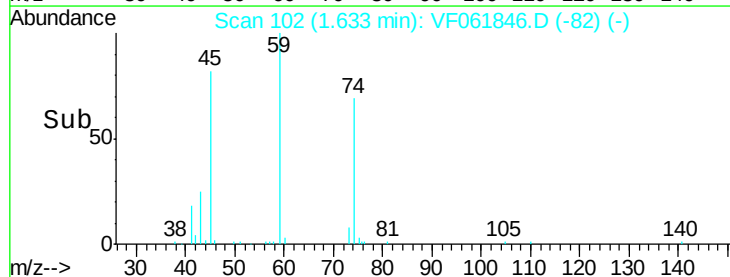
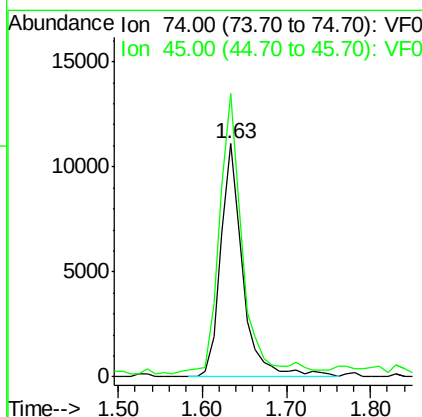
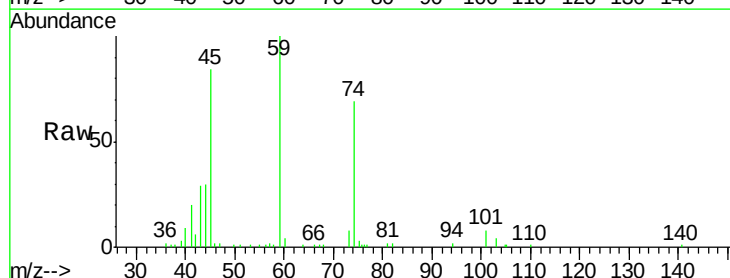
MMDadoda
3/8/2019 12:12:14 AM

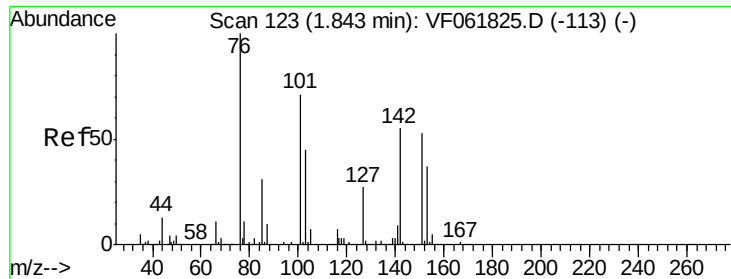


#8

Diethyl Ether
Concen: 21.235 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.3	57.2	171.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.714 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

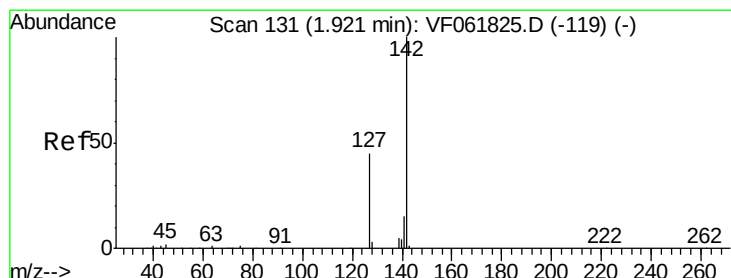
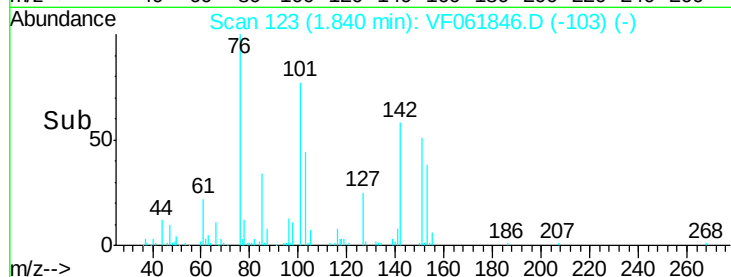
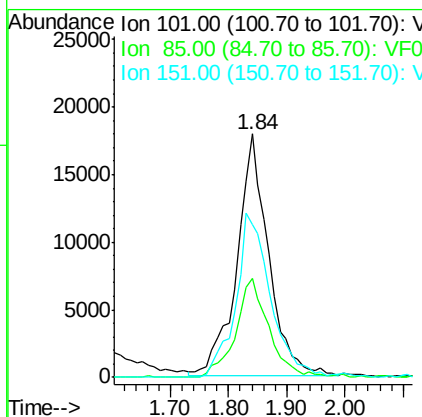
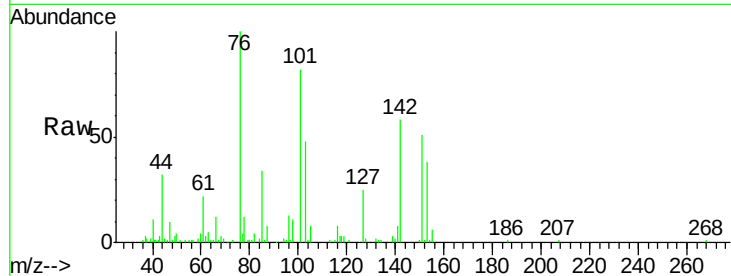
ClientSampleId :

VF0305SBS01

Tot Ion:	101	Resp:	67342
Ion Ratio	Lower	Upper	
101	100		
85	40.8	34.0	51.0
151	62.5	57.3	85.9

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:12:14 AM



#10

Methyl Iodide

Concen: 22.128 ug/l m

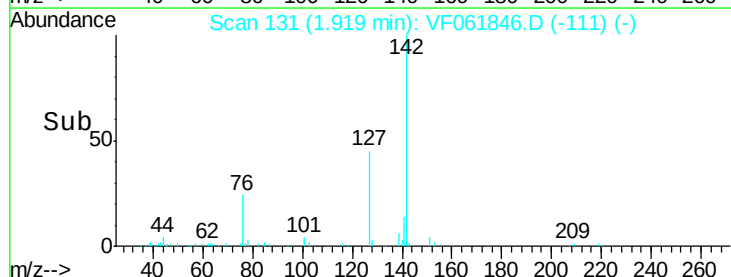
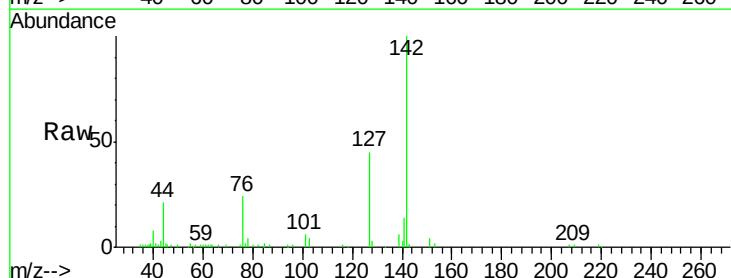
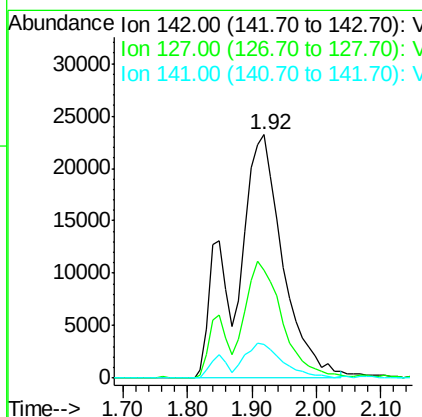
RT: 1.92 min Scan# 131

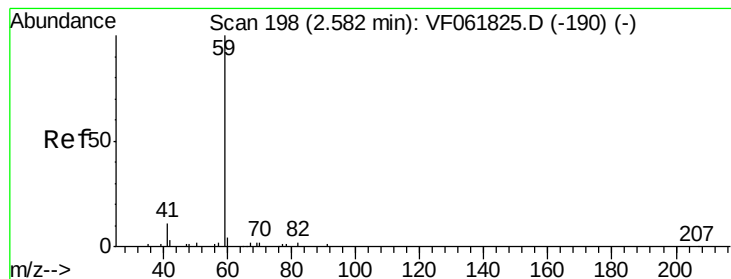
Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion:	142	Resp:	119577
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.8	53.6
141	13.7	11.7	17.5





#11

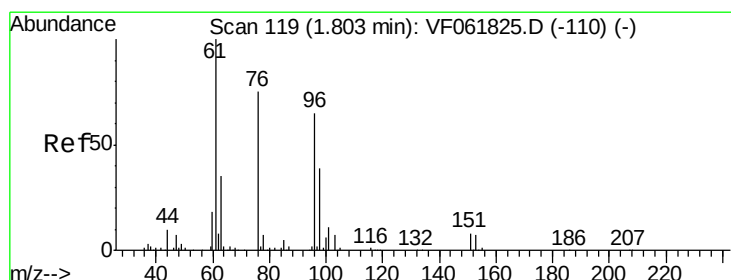
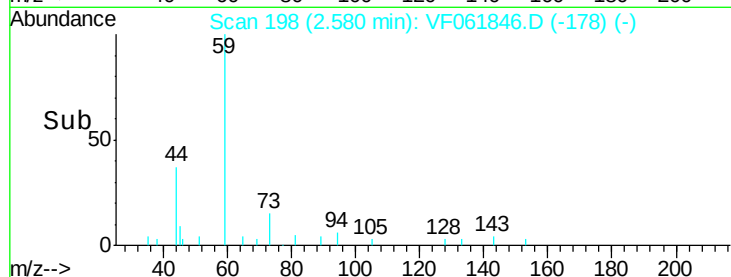
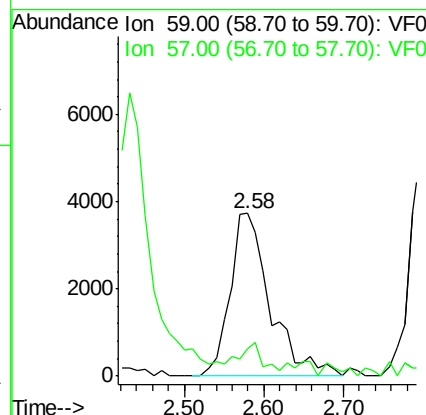
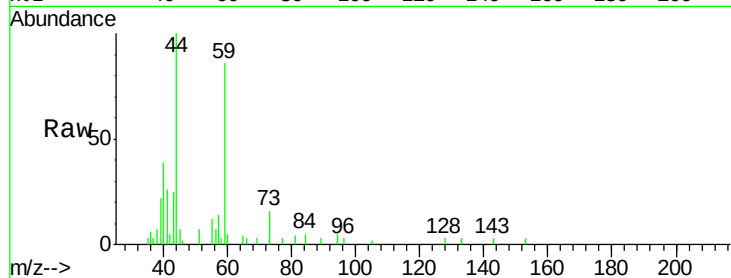
Tert butyl alcohol
Concen: 105.086 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion	59	Resp	13167
Ion Ratio	100	Lower	Upper
57	16.6	11.8	17.6

Manual Integrations
APPROVED

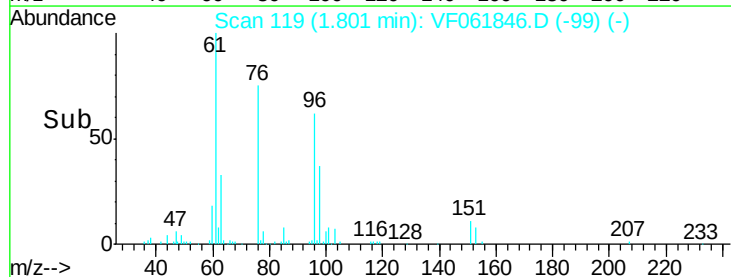
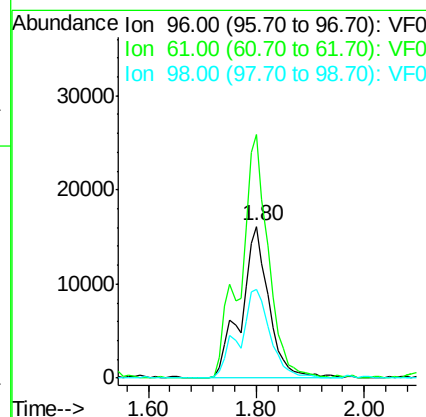
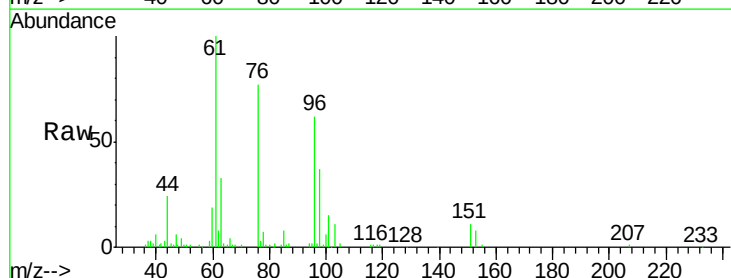
MMDadoda
3/8/2019 12:12:14 AM

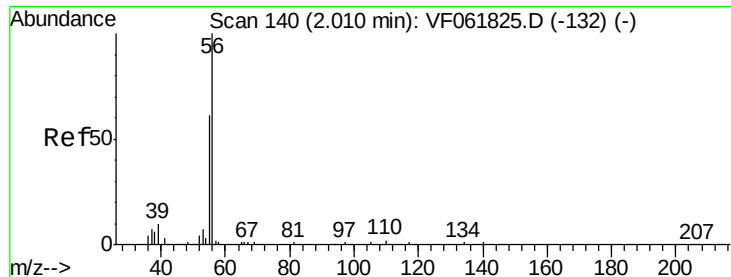


#12

1,1-Dichloroethene
Concen: 22.201 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	96	Resp	57556
Ion Ratio	100	Lower	Upper
61	160.2	122.5	183.7
98	58.5	47.1	70.7





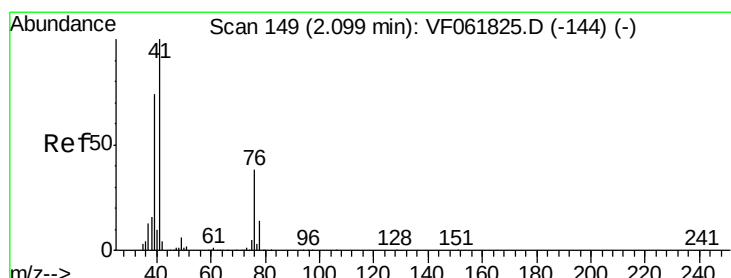
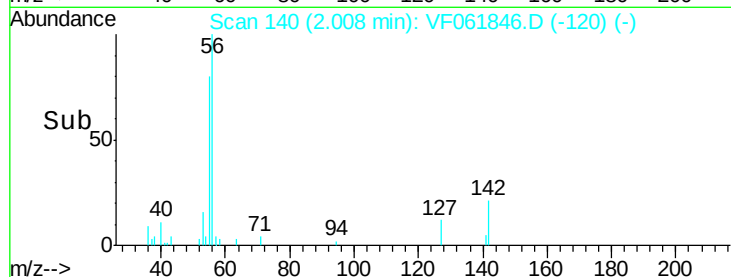
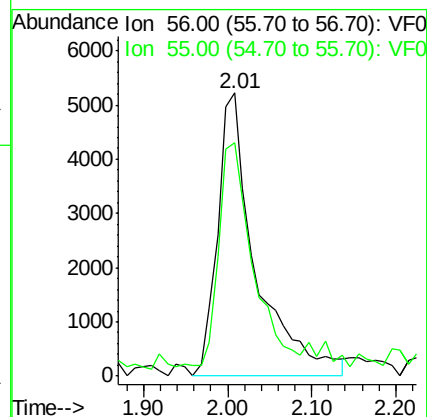
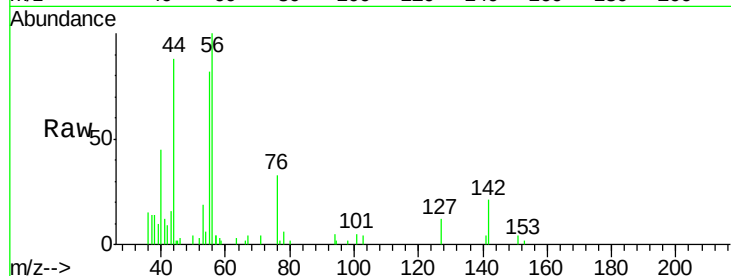
#13
Acrolein
Concen: 104.399 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion	56	Resp	16575
Ion Ratio	100	Lower	Upper
55	82.4	51.3	76.9#

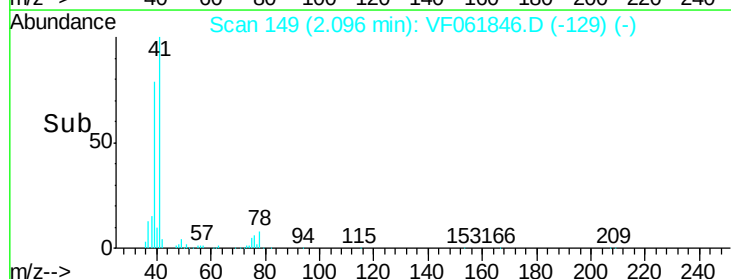
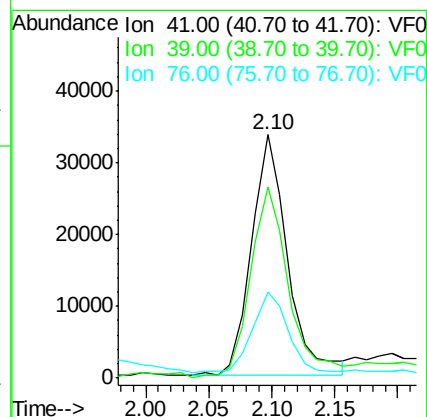
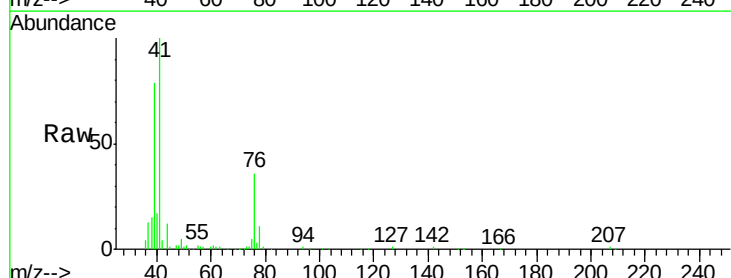
Manual Integrations
APPROVED

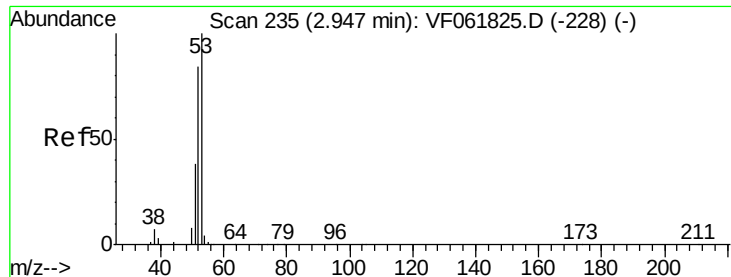
MMDadoda
3/8/2019 12:12:14 AM



#14
Allyl chloride
Concen: 23.518 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	41	Resp	67168
Ion Ratio	100	Lower	Upper
39	78.6	59.6	89.4
76	35.5	32.3	48.5





#15

Acrylonitrile

Concen: 111.156 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

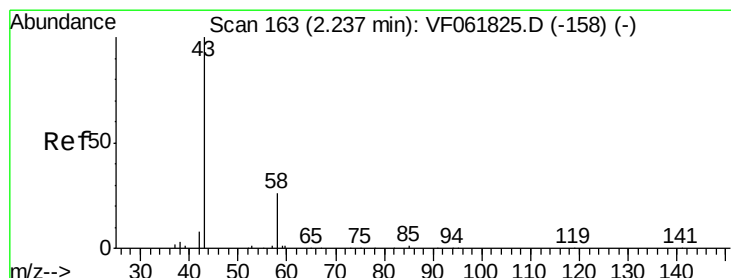
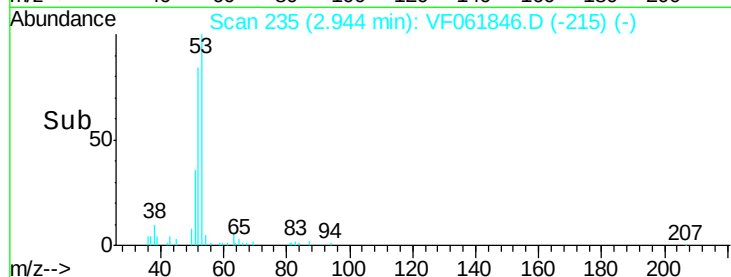
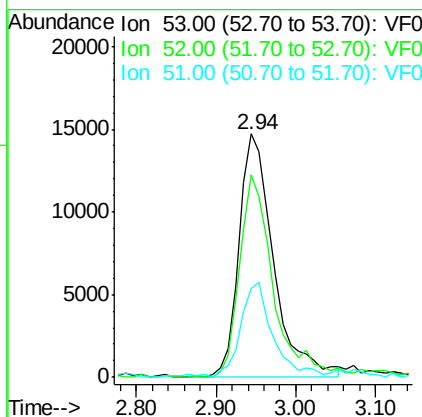
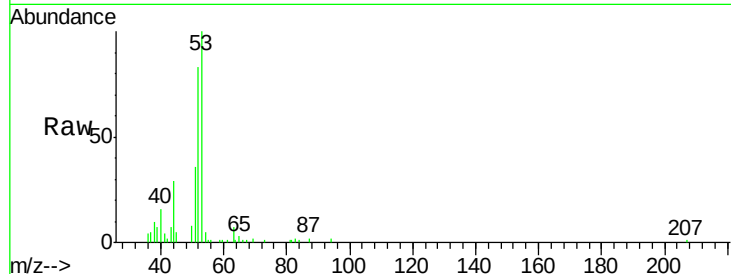
ClientSampleId :

VF0305SBS01

Tot Ion:	53	Resp:	44349
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.4	101.0
51	36.3	30.7	46.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:12:14 AM



#16

Acetone

Concen: 115.595 ug/l

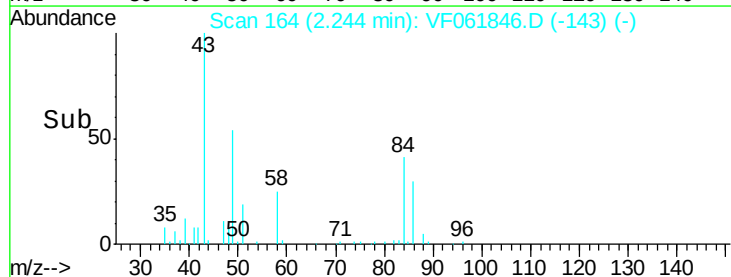
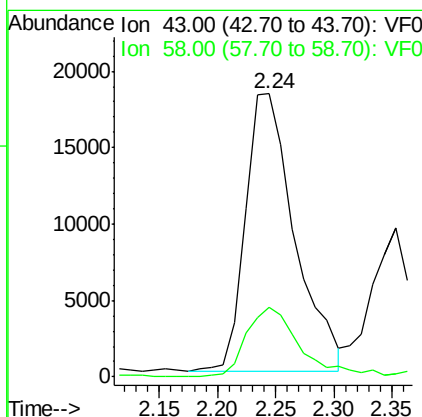
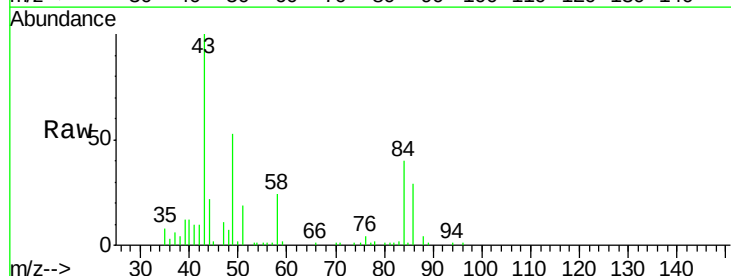
RT: 2.24 min Scan# 164

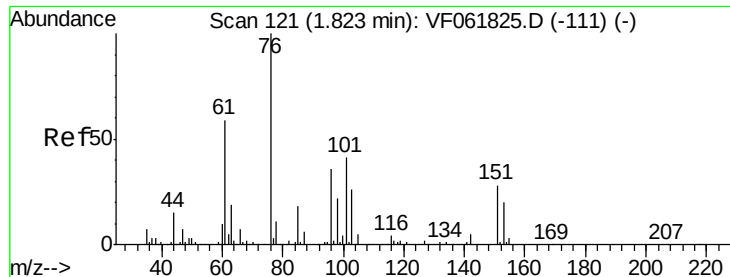
Delta R.T. 0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion:	43	Resp:	53453
Ion	Ratio	Lower	Upper
43	100		
58	24.4	20.3	30.5





#17

Carbon Disulfide

Concen: 22.793 ug/l m

RT: 1.82 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tot Ion: 76 Resp: 183941

Ion Ratio Lower Upper

76 100

78 9.5 9.1 13.7

Instrument :

MSVOA_F

ClientSampleId :

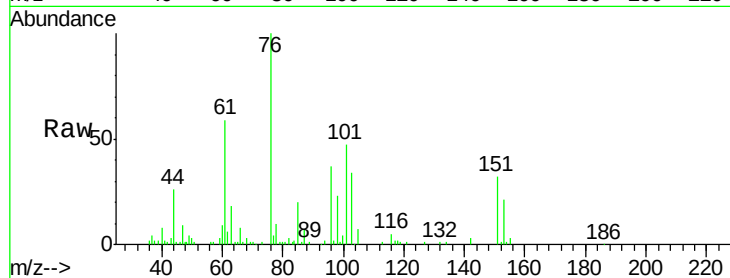
VF0305SBSD01

Manual Integrations

APPROVED

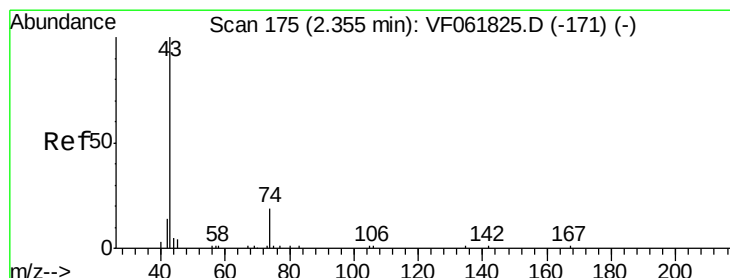
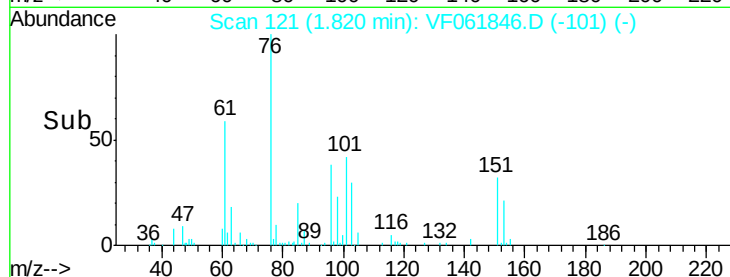
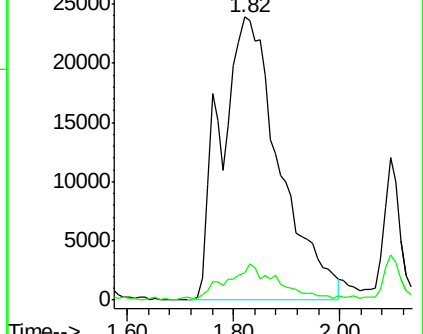
MMDadoda

3/8/2019 12:12:14 AM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 26.437 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF061846.D

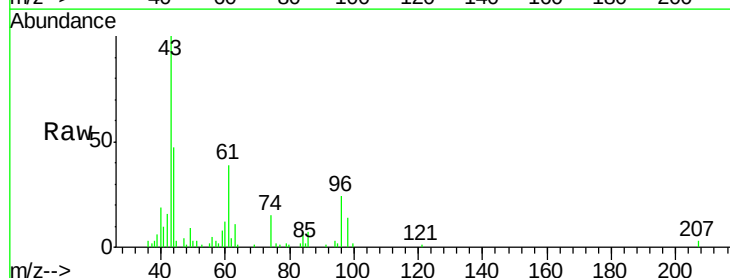
Acq: 5 Mar 2019 15:40

Tgt Ion: 43 Resp: 24070

Ion Ratio Lower Upper

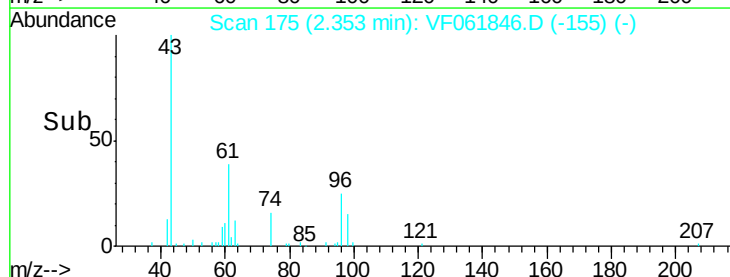
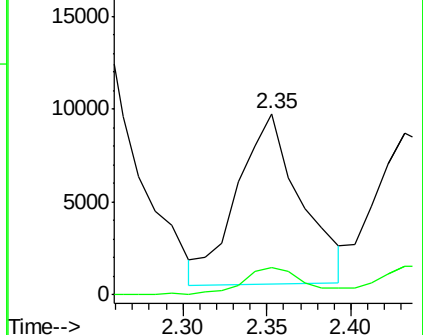
43 100

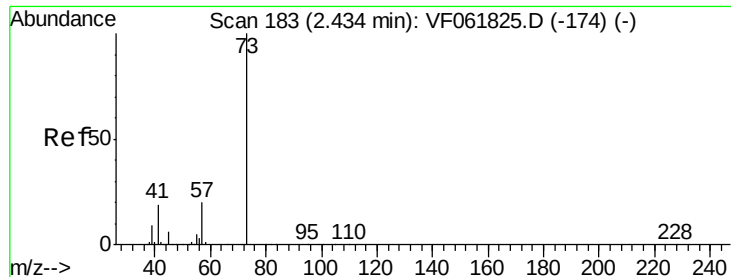
74 15.2 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





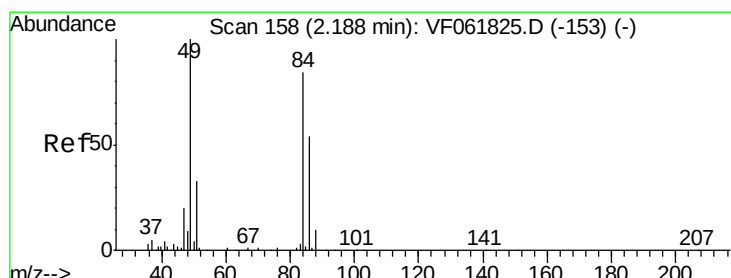
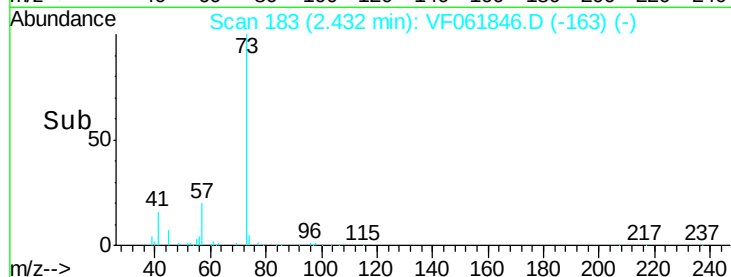
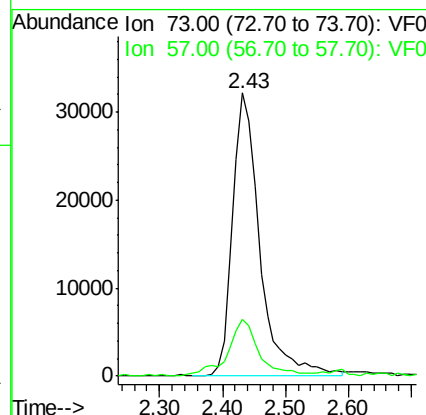
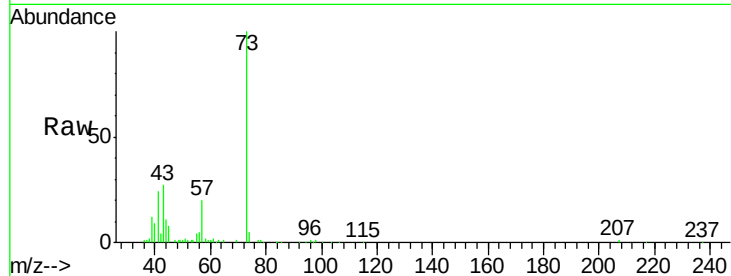
#19
Methyl tert-butyl Ether
Concen: 21.988 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion	73	Resp	96431
Ion Ratio	100	Lower	Upper
73	100	16.1	24.1
57	20.2		

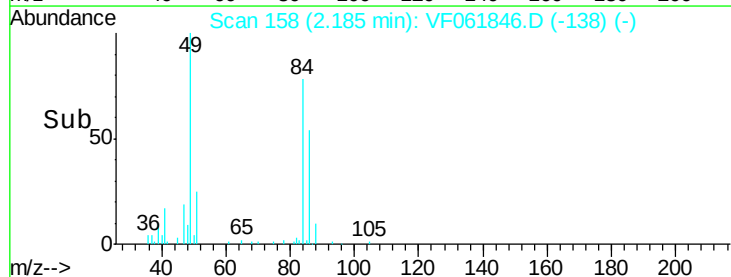
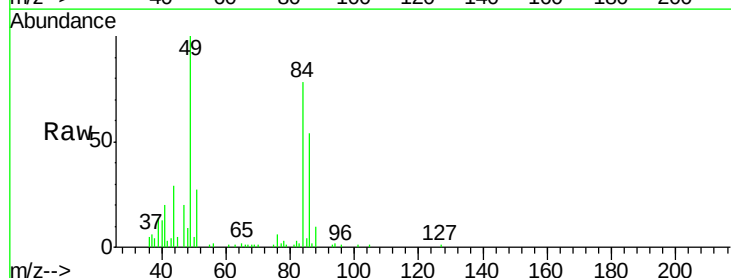
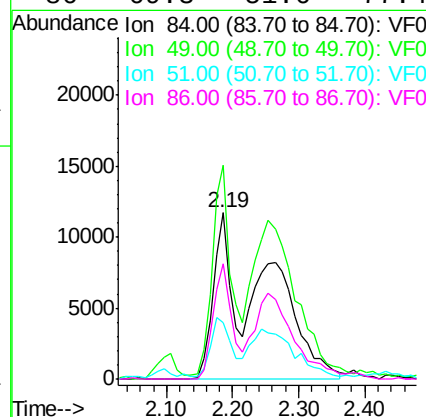
Manual Integrations
APPROVED

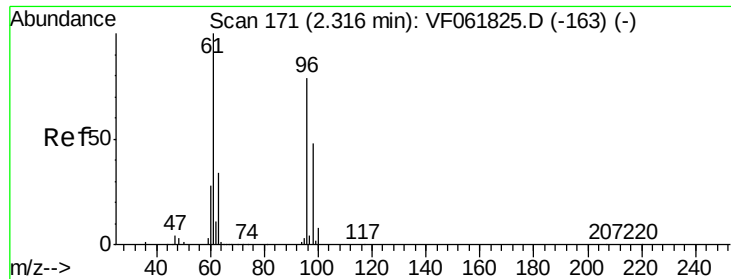
MMDadoda
3/8/2019 12:12:14 AM



#20
Methylene Chloride
Concen: 20.797 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	84	Resp	61320
Ion Ratio	100	Lower	Upper
84	100	96.8	145.2
49	128.6	31.8	47.6
51	34.2	51.6	77.4
86	69.3		





#21

trans-1,2-Dichloroethene

Concen: 25.590 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 96 Resp: 62438

Ion Ratio Lower Upper

96 100

61 142.3 101.0 151.6

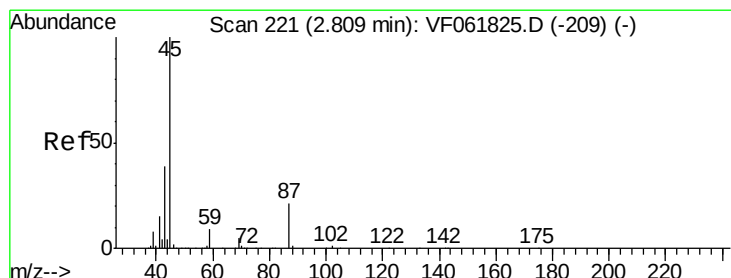
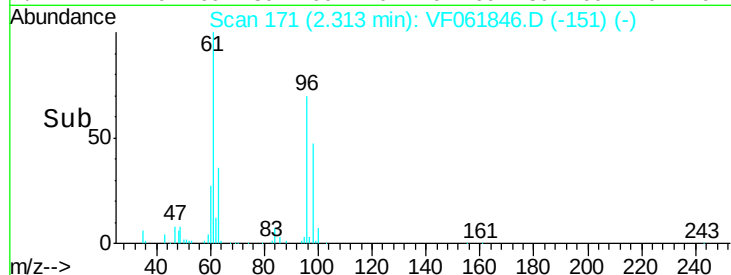
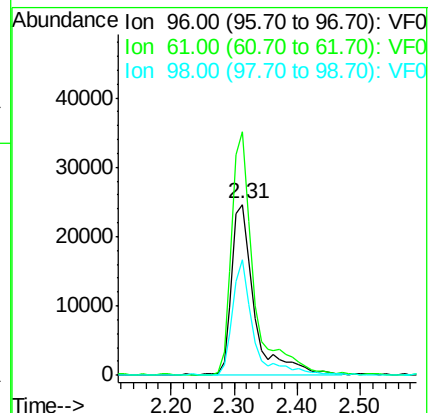
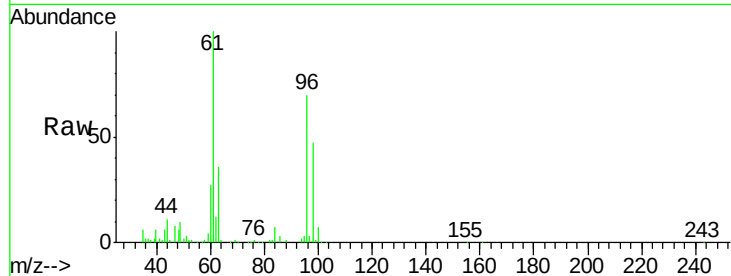
98 67.3 48.8 73.2

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:12:14 AM



#22

Diisopropyl ether

Concen: 21.561 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion: 45 Resp: 160183

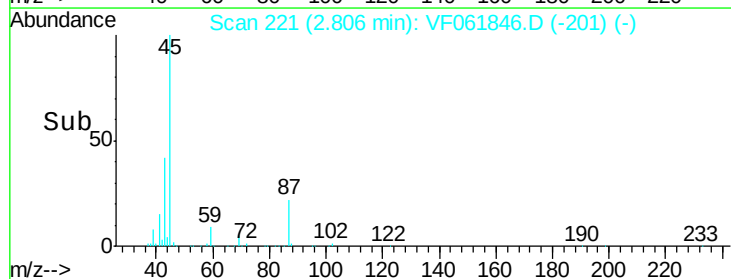
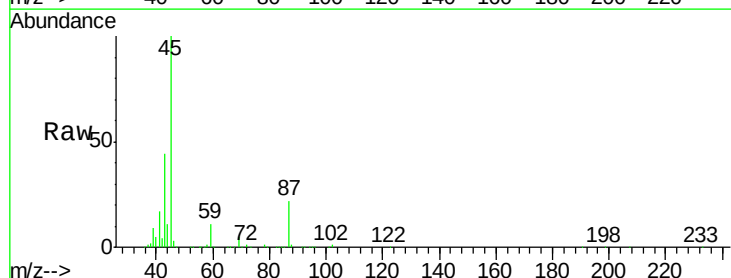
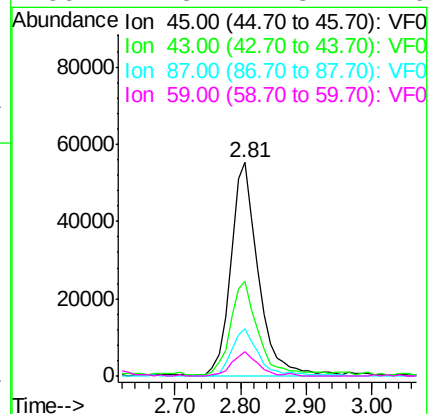
Ion Ratio Lower Upper

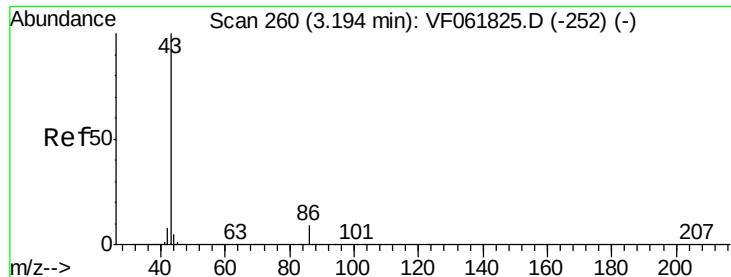
45 100

43 44.2 31.8 47.8

87 21.9 17.1 25.7

59 11.3 7.8 11.6





#23

Vinyl Acetate

Concen: 115.863 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 43 Resp: 384546

Ion Ratio Lower Upper

43 100

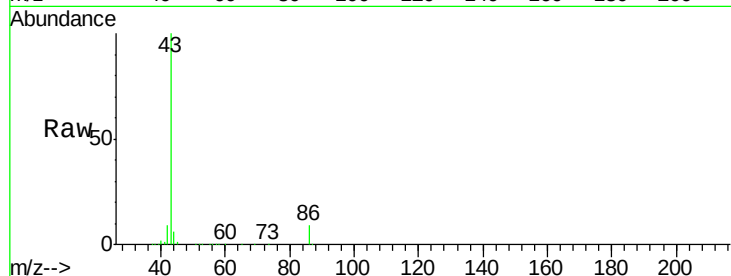
86 9.0 7.0 10.4

Manual Integrations

APPROVED

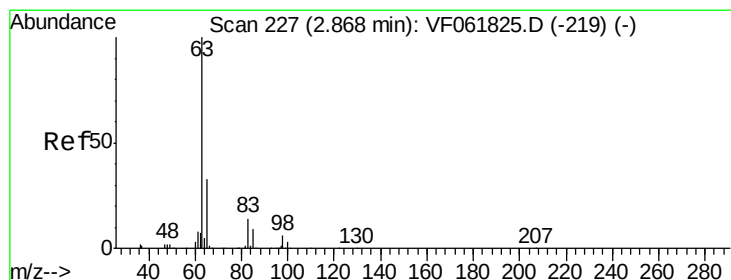
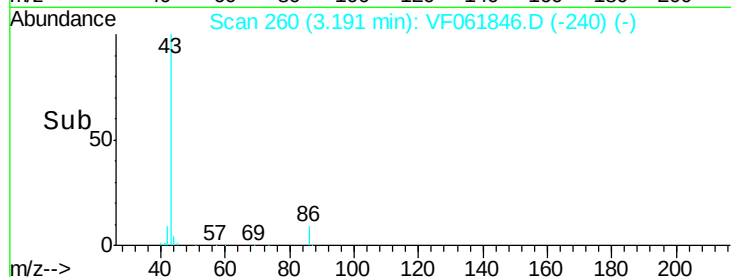
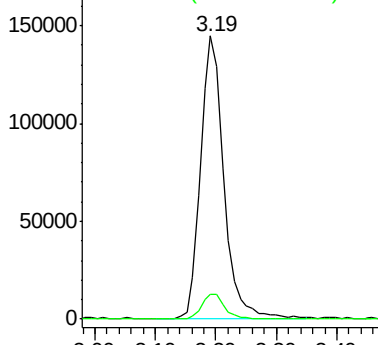
MMDadoda

3/8/2019 12:12:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.885 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

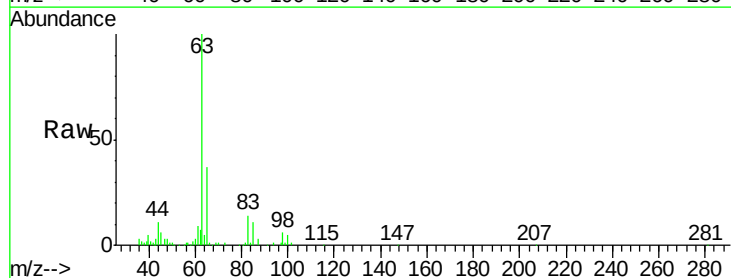
Tgt Ion: 63 Resp: 97185

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

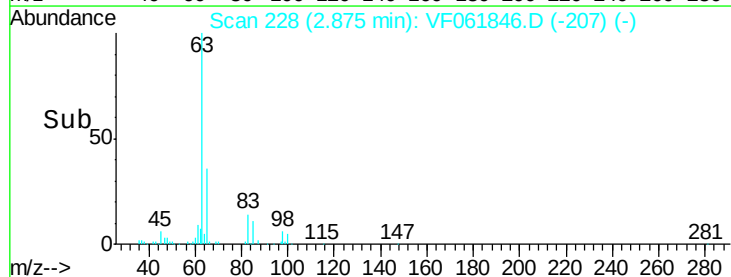
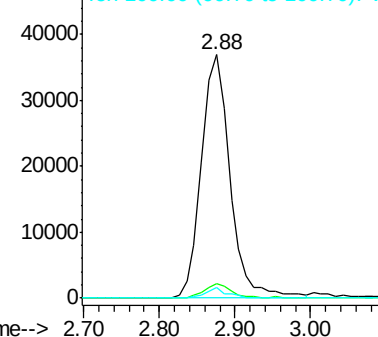
100 4.6 1.8 5.3

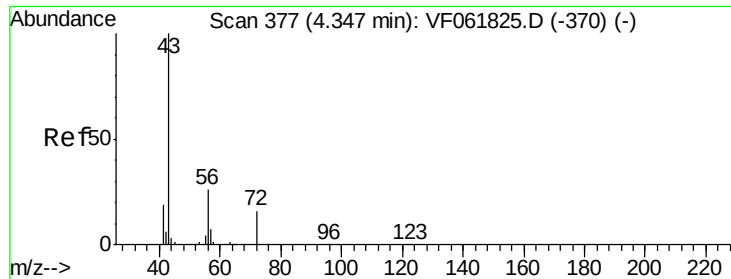


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 111.839 ug/l

RT: 4.34 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 43 Resp: 105195

Ion Ratio Lower Upper

43 100

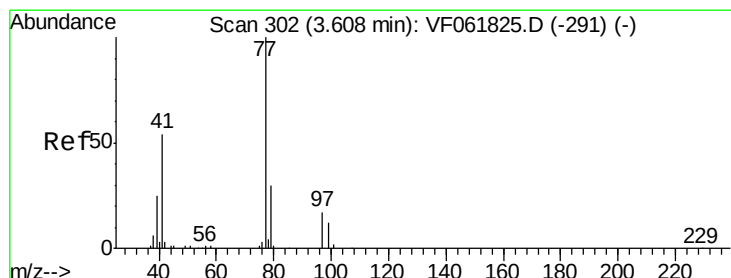
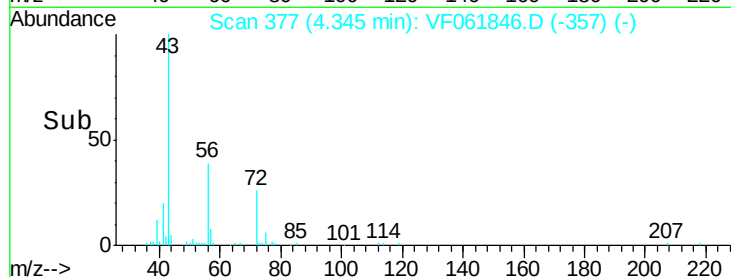
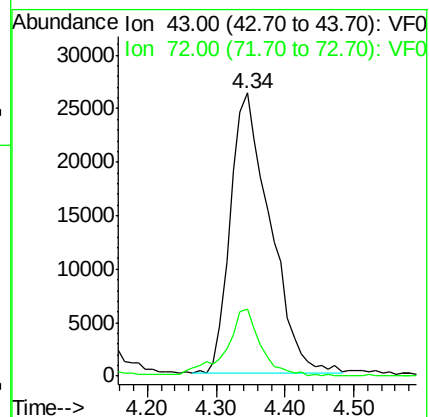
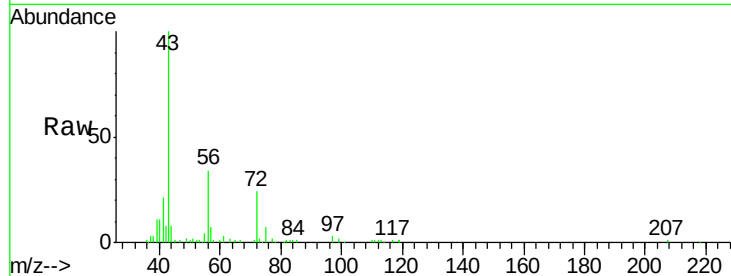
72 23.5 16.2 24.4

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:12:14 AM



#26

2,2-Dichloropropane

Concen: 23.857 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.00 min

Lab File: VF061846.D

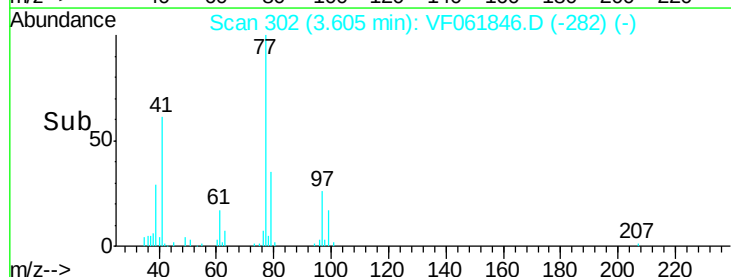
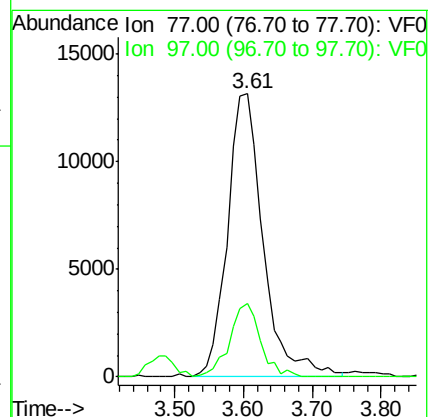
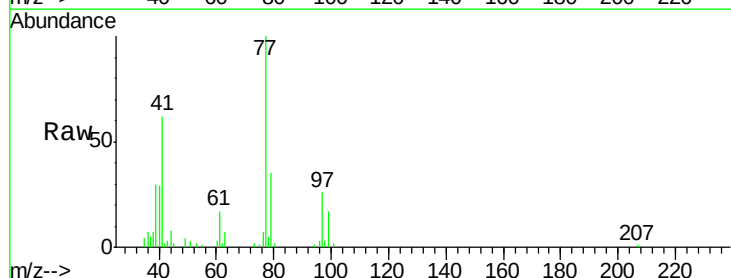
Acq: 5 Mar 2019 15:40

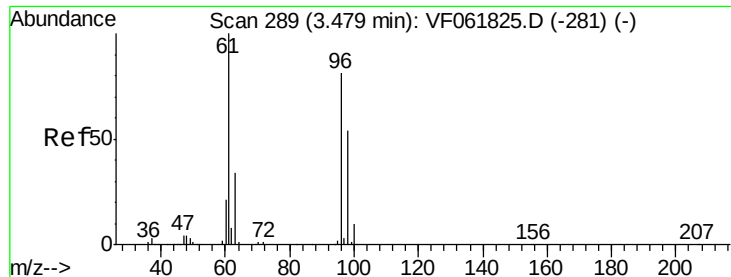
Tgt Ion: 77 Resp: 47293

Ion Ratio Lower Upper

77 100

97 26.0 10.4 31.4





#27

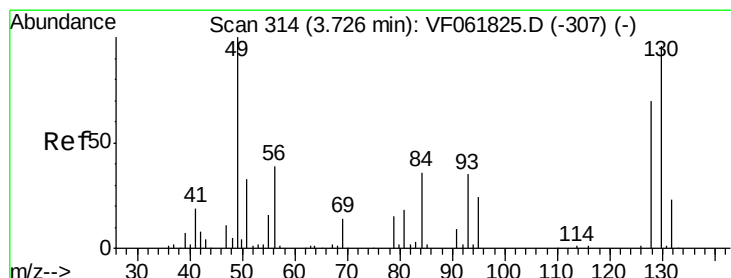
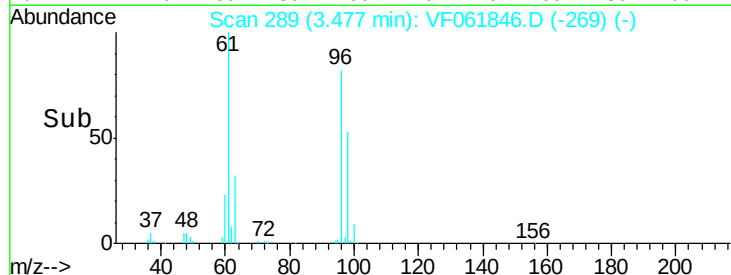
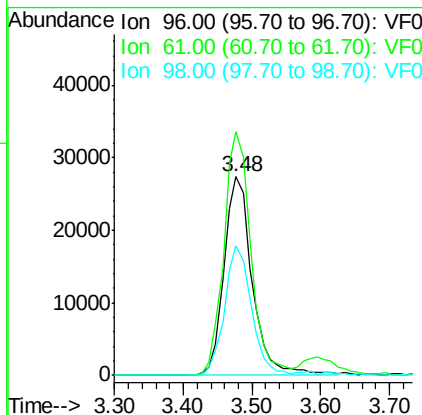
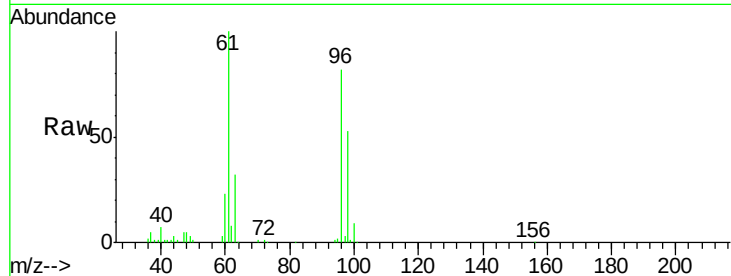
cis-1,2-Dichloroethene
Concen: 22.982 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.7	0.0	245.8
98	65.4	0.0	132.6

Manual Integrations
APPROVED

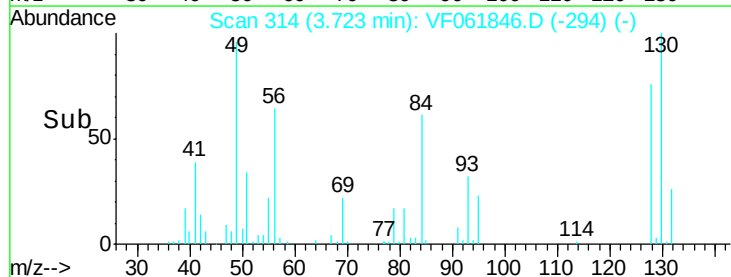
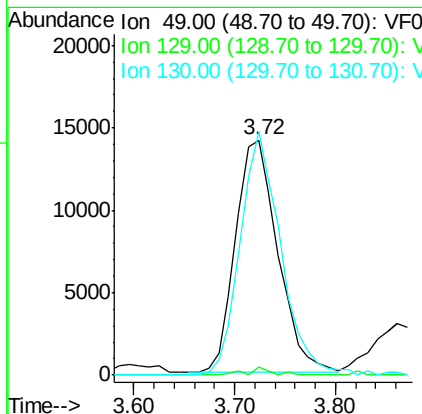
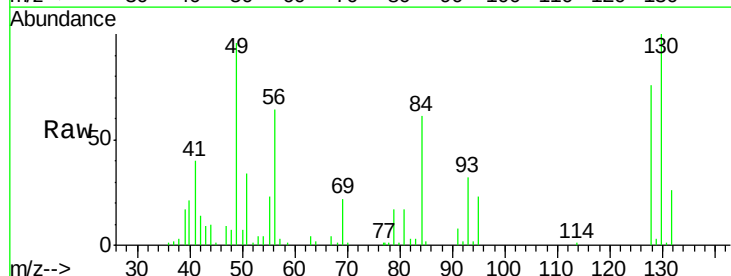
MMDadoda
3/8/2019 12:12:14 AM

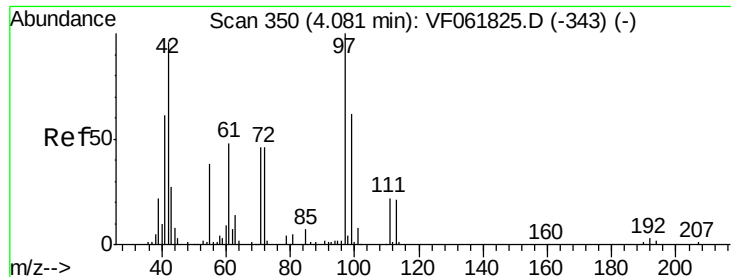


#28

Bromochloromethane
Concen: 21.261 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	0.0#
130	103.7	76.9	115.3





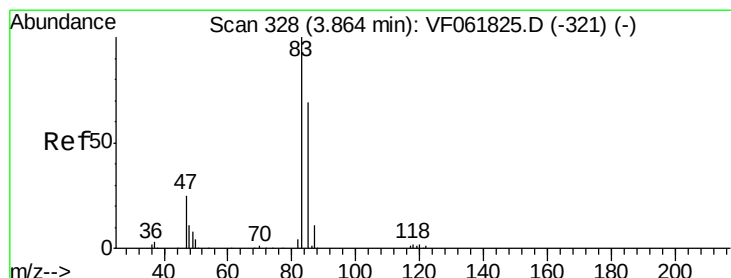
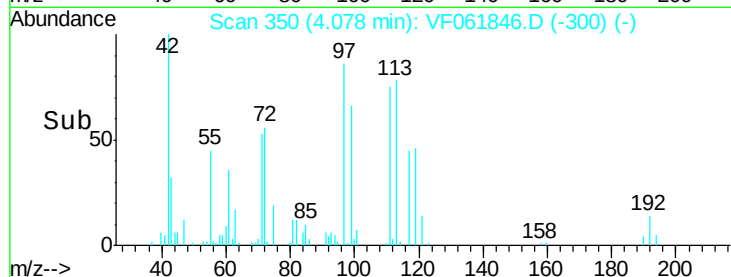
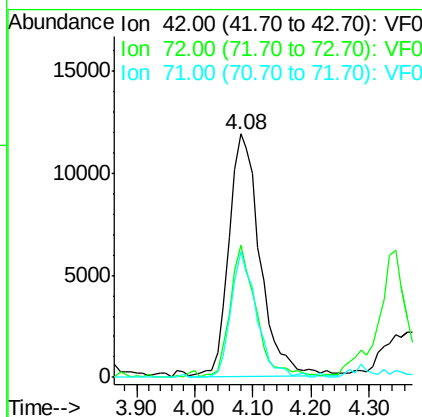
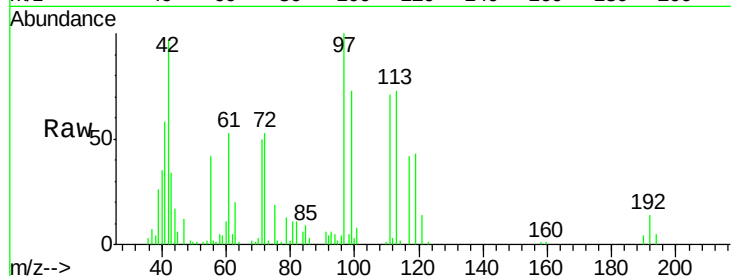
#29
Tetrahydrofuran
Concen: 109.905 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	44583		
72	45.7		34.4	51.6
71	42.4		34.6	52.0

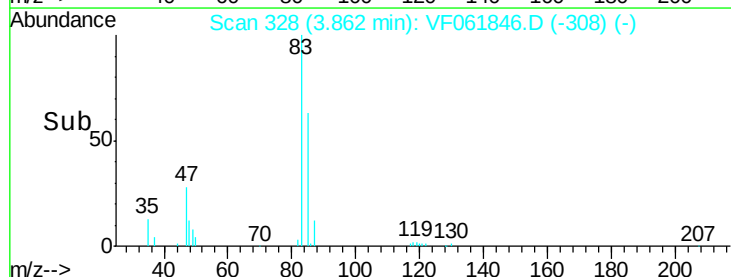
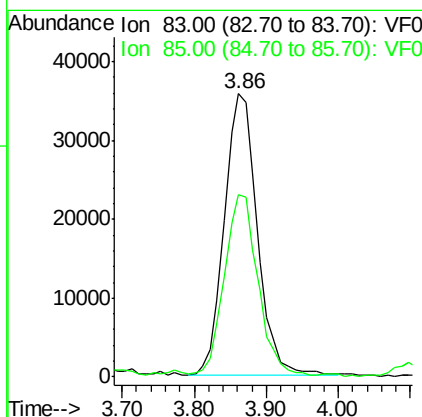
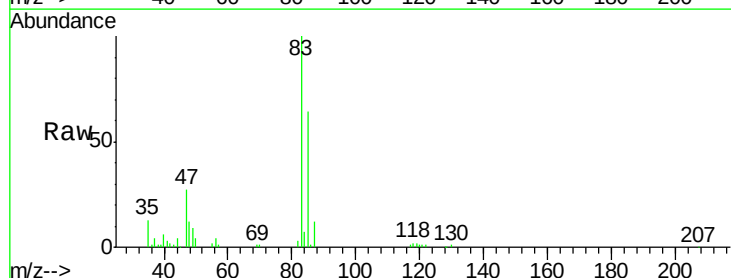
Manual Integrations
APPROVED

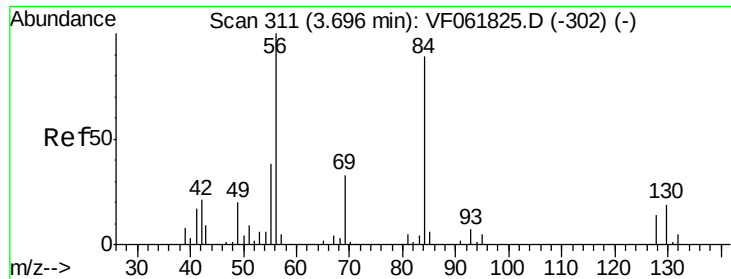
MMDadoda
3/8/2019 12:12:14 AM



#30
Chloroform
Concen: 22.406 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	113649		
85	64.3		55.3	82.9





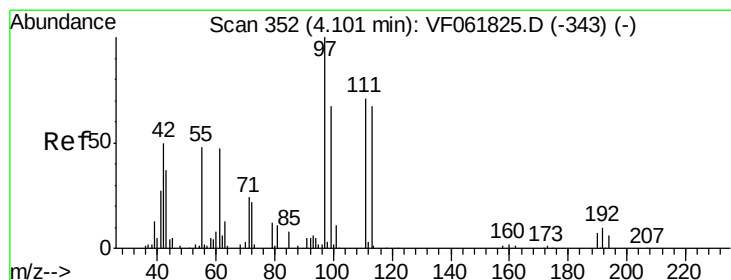
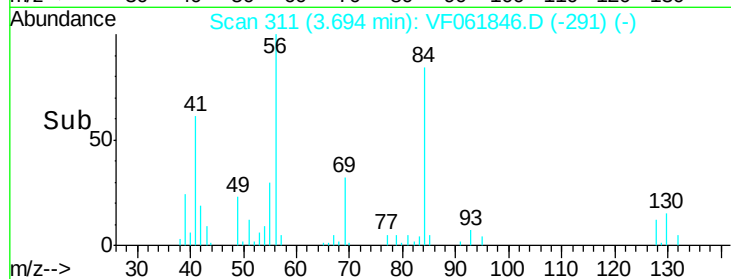
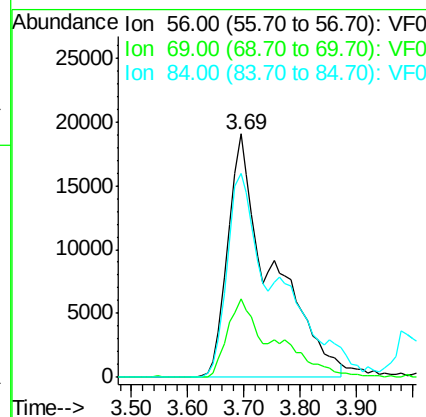
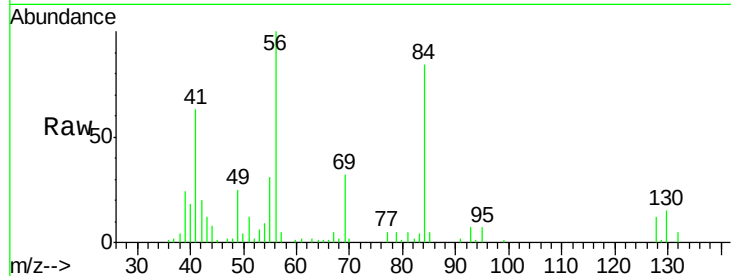
#31
Cyclohexane
Concen: 22.206 ug/l m
RT: 3.69 min Scan# 311
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.0	39.0
84	83.6	71.0	106.6

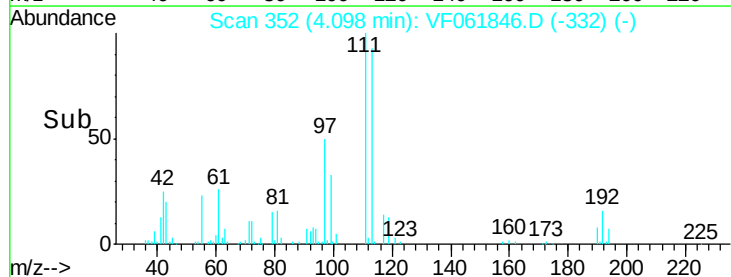
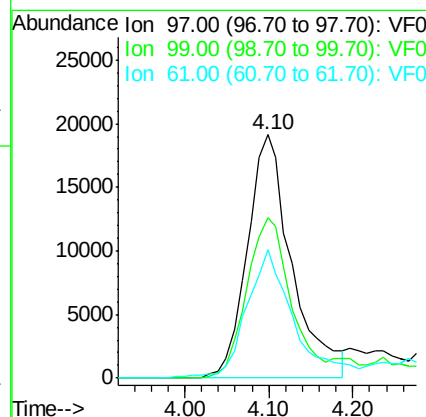
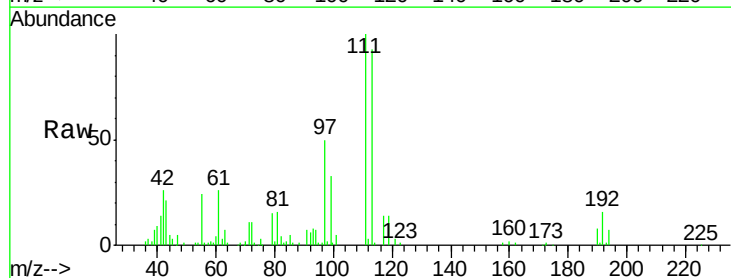
Manual Integrations
APPROVED

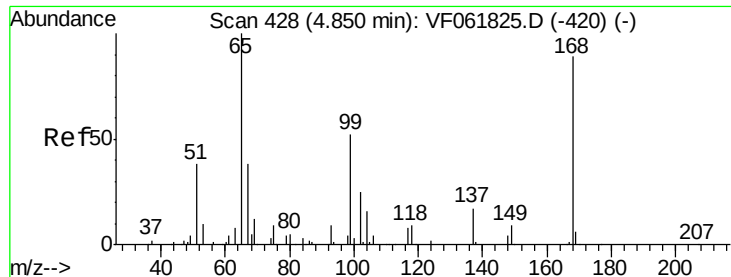
MMDadoda
3/8/2019 12:12:14 AM



#32
1,1,1-Trichloroethane
Concen: 22.698 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	53.8	80.8
61	53.0	37.9	56.9





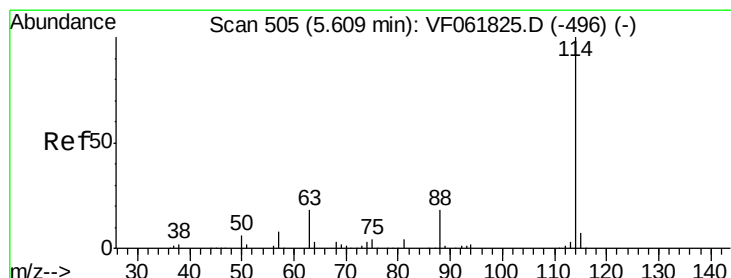
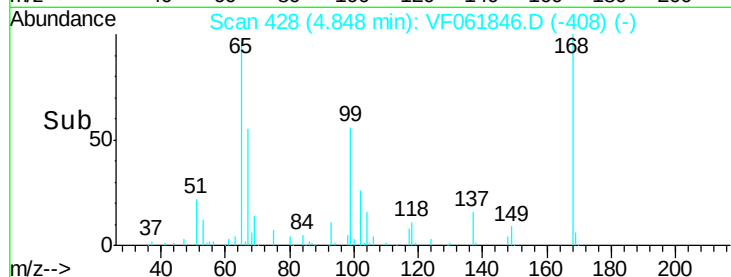
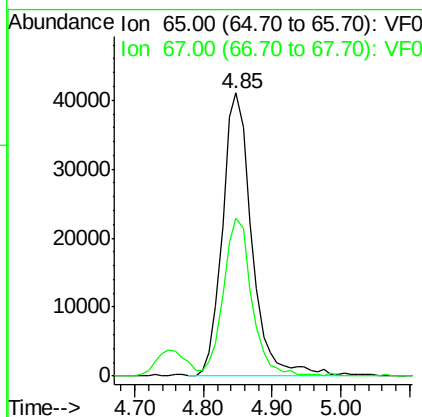
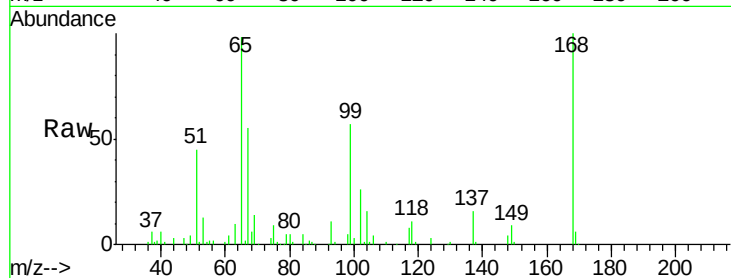
#33
 1,2-Dichloroethane-d4
 Concen: 55.022 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121464		
67	55.8	0.0	108.6	

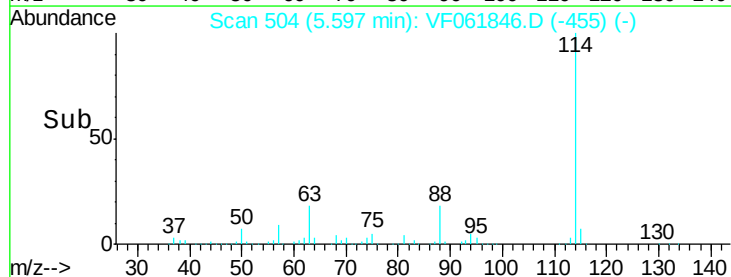
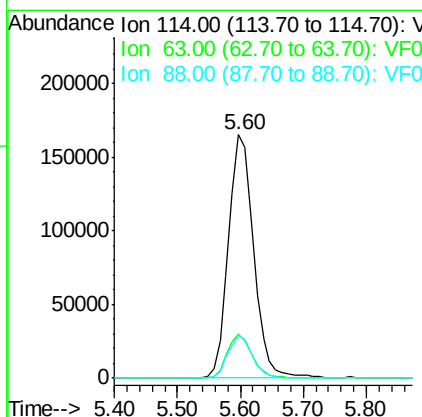
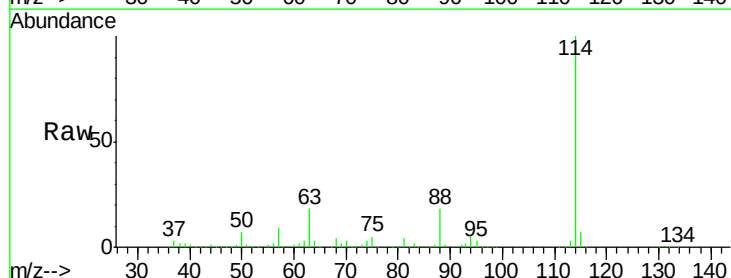
Manual Integrations
 APPROVED

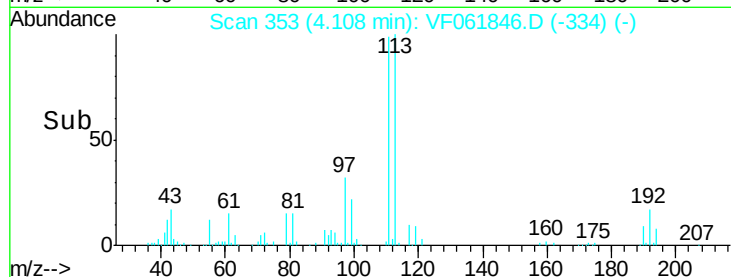
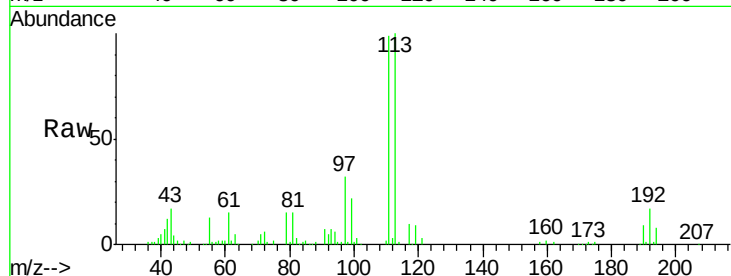
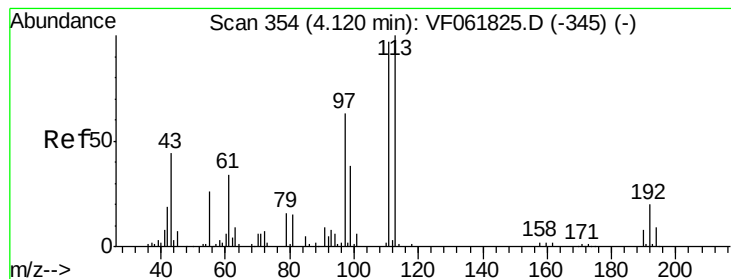
MMDadoda
 3/8/2019 12:12:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	458285		
63	18.2	0.0	35.6	
88	17.8	0.0	35.6	





#35

Dibromofluoromethane

Concen: 54.882 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061846.D

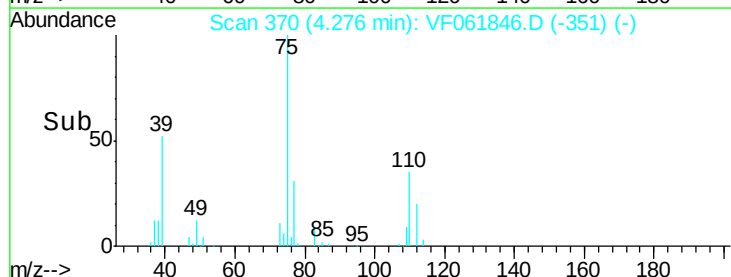
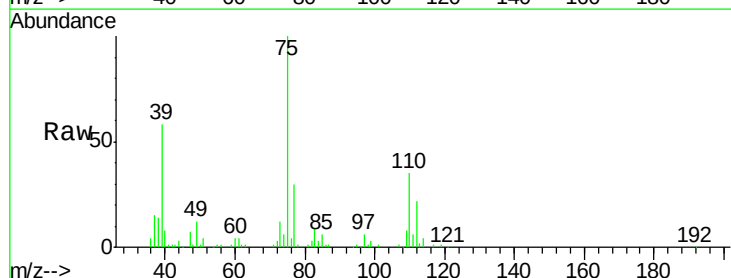
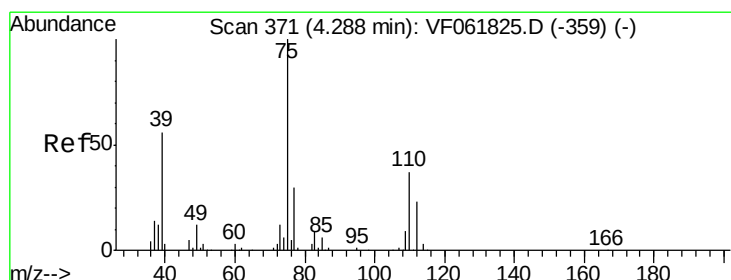
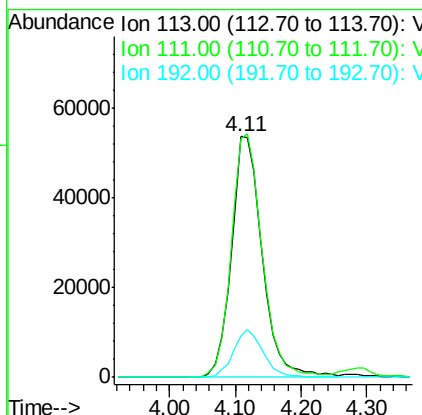
Acq: 5 Mar 2019 15:40

Tot Ion:	113	Resp:	175524
Ion Ratio	Lower	Upper	
113	100		
111	98.9	77.6	116.4
192	17.4	15.9	23.9

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:12:14 AM



#36

1,1-Dichloropropene

Concen: 22.244 ug/l

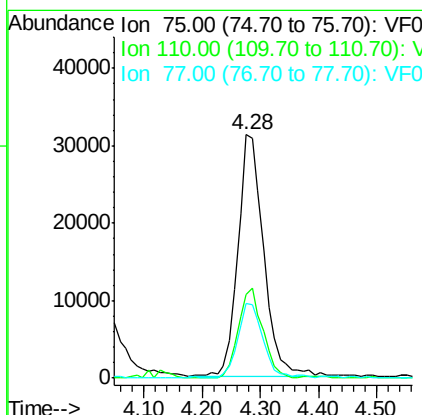
RT: 4.28 min Scan# 370

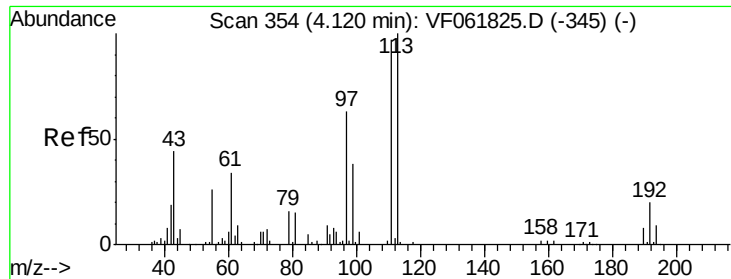
Delta R.T. -0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion:	75	Resp:	96294
Ion Ratio	Lower	Upper	
75	100		
110	34.6	18.6	55.6
77	30.4	24.2	36.2





#37

Ethyl Acetate

Concen: 23.754 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

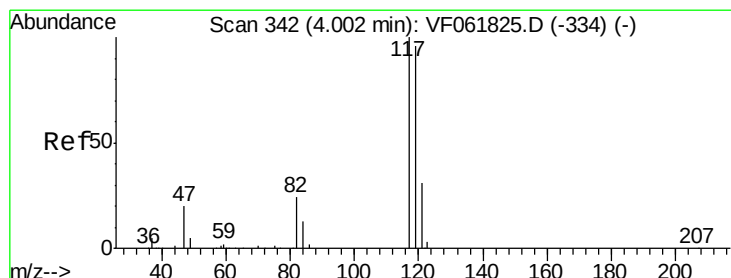
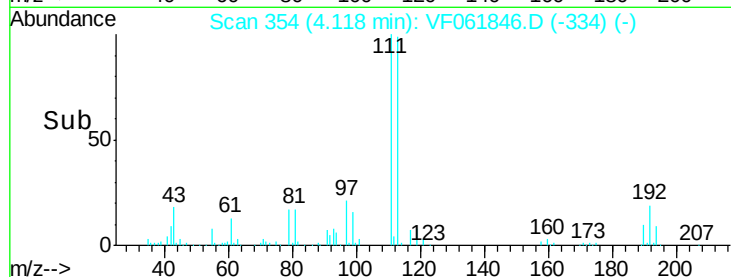
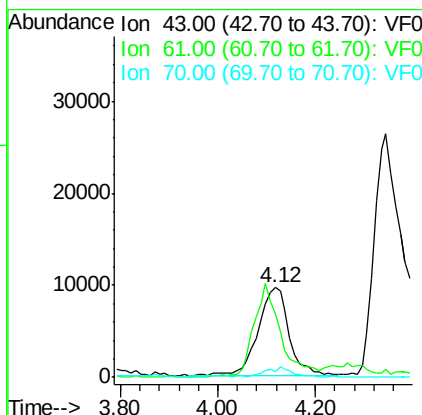
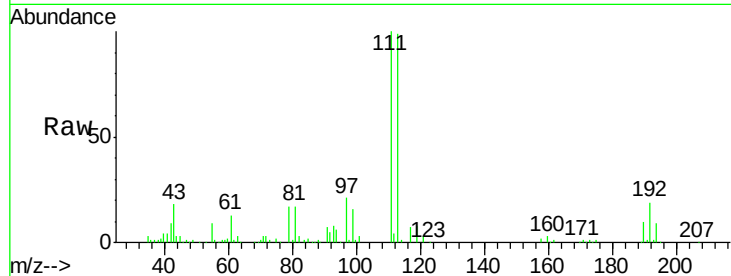
ClientSampleId :

VF0305SBS01

Tot Ion:	43	Resp:	43161
Ion Ratio	Lower	Upper	
43	100		
61	70.8	60.7	91.1
70	6.7	10.6	15.8#

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:12:14 AM



#38

Carbon Tetrachloride

Concen: 22.998 ug/l

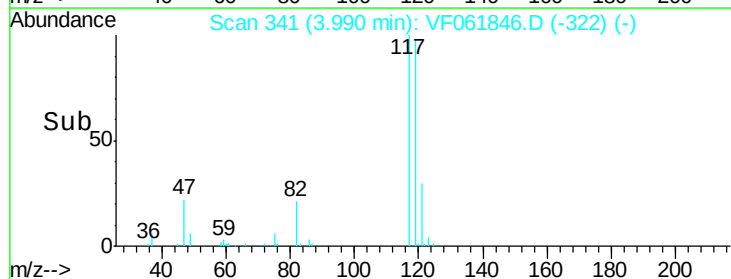
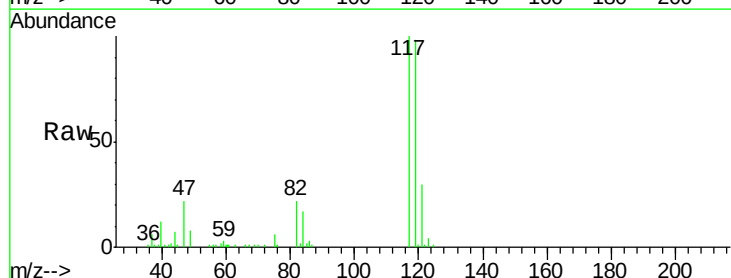
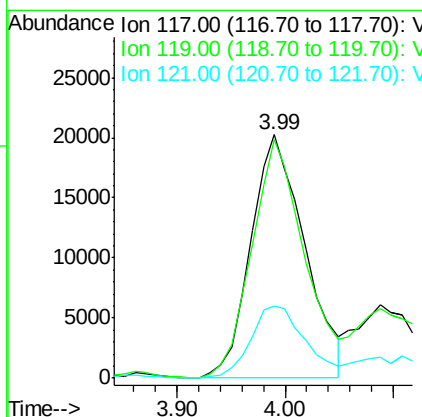
RT: 3.99 min Scan# 341

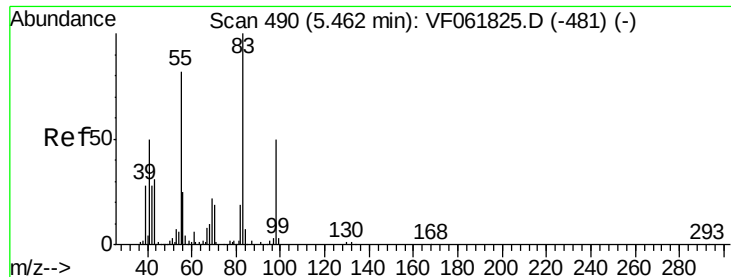
Delta R.T. -0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion:	117	Resp:	70476
Ion Ratio	Lower	Upper	
117	100		
119	97.8	76.6	114.8
121	30.4	24.4	36.6





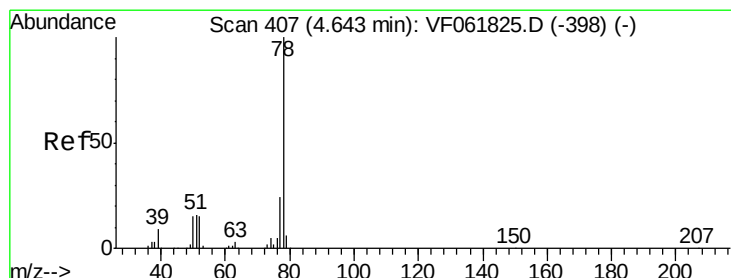
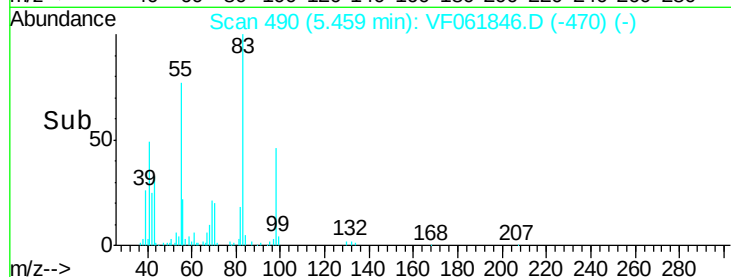
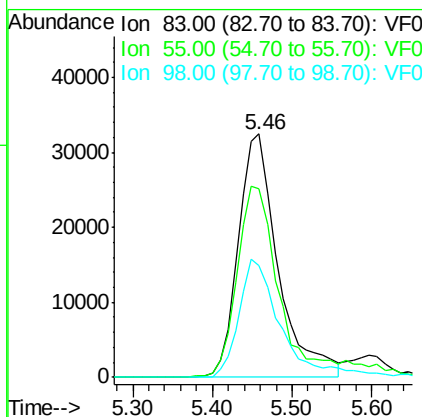
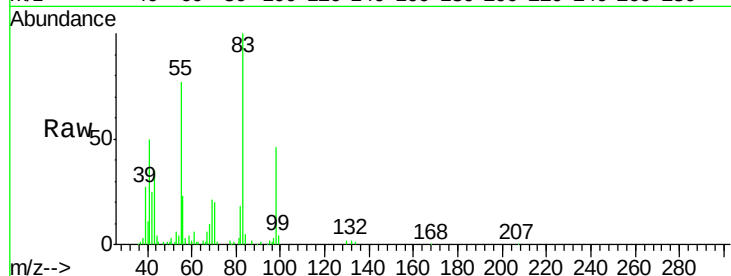
#39
Methylvlcyclohexane
Concen: 21.994 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	66.0	99.0
98	46.1	39.8	59.6

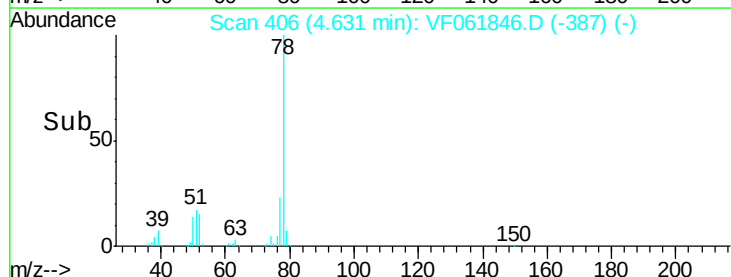
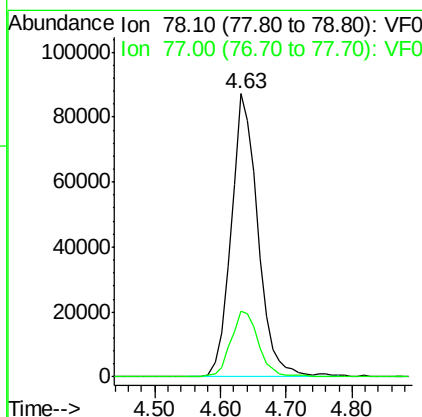
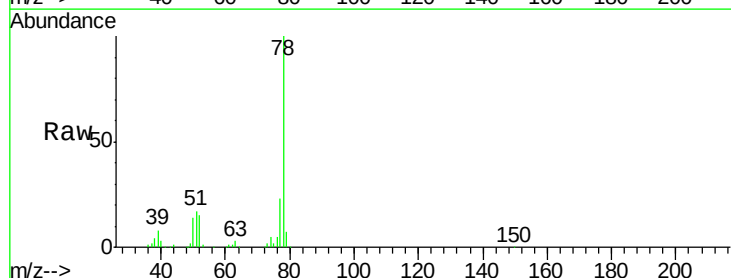
Manual Integrations
APPROVED

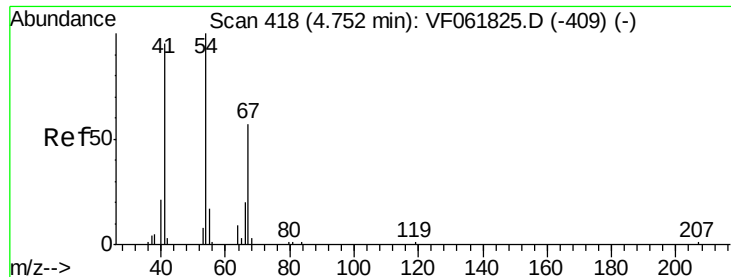
MMDadoda
3/8/2019 12:12:14 AM



#40
Benzene
Concen: 21.990 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.5	29.3





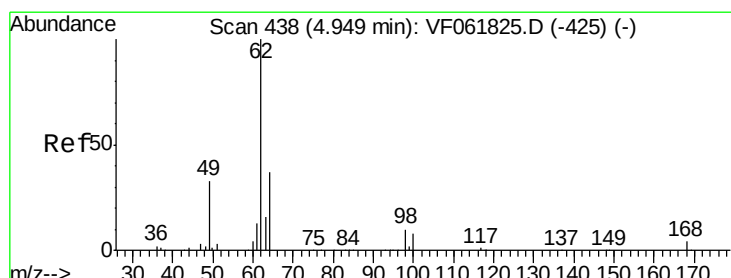
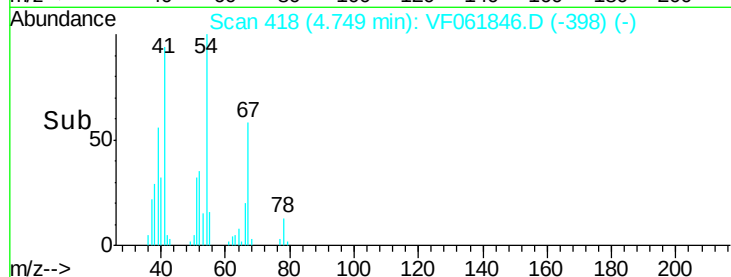
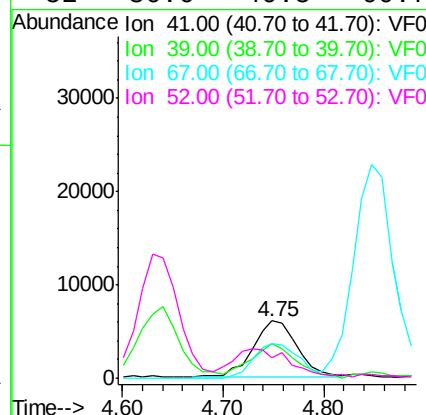
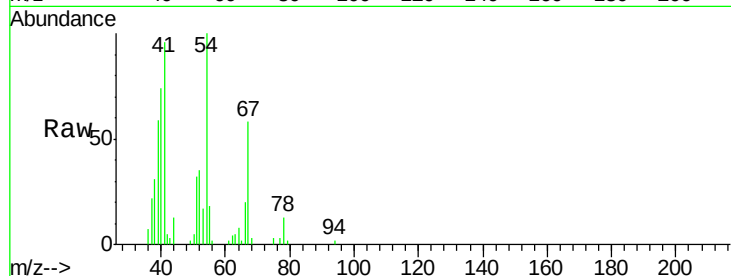
#41
Methacrylonitrile
Concen: 18.174 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion	41	Resp:	18093
Ion Ratio	Lower	Upper	
41	100		
39	61.5	43.0	64.6
67	60.7	47.8	71.8
52	36.6	40.5	60.7#

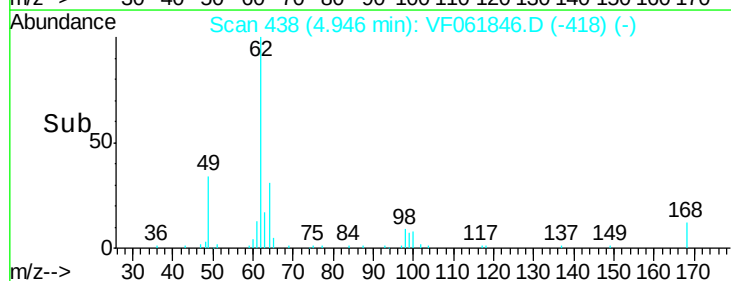
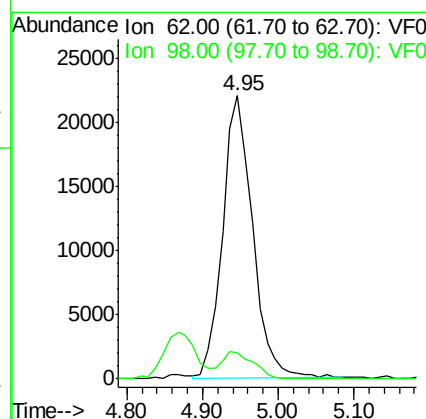
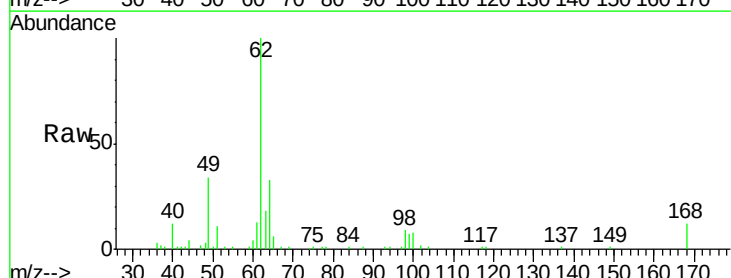
Manual Integrations
APPROVED

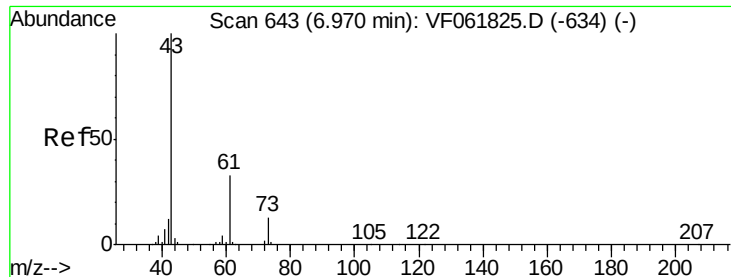
MMDadoda
3/8/2019 12:12:14 AM



#42
1,2-Dichloroethane
Concen: 21.489 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	62	Resp:	60599
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	21.0





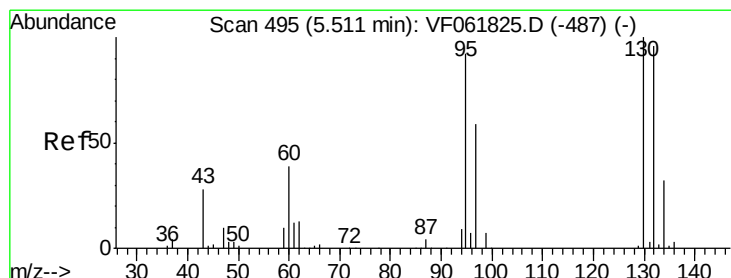
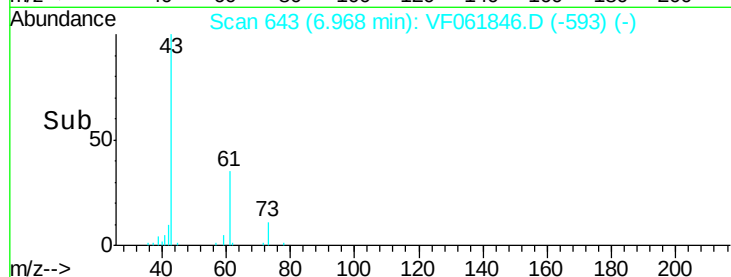
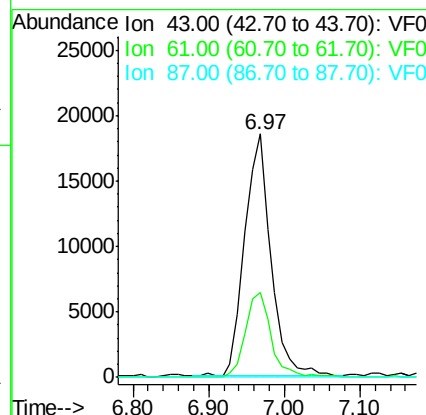
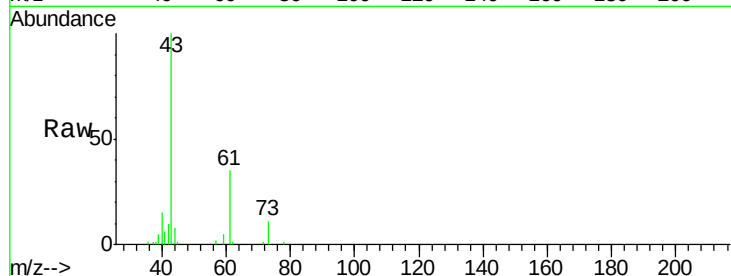
#43
Isopropyl Acetate
Concen: 19.694 ug/l
RT: 6.97 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.8	26.1	39.1
87	0.0	0.0	0.0

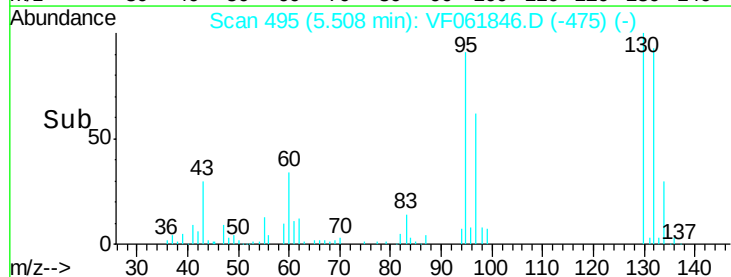
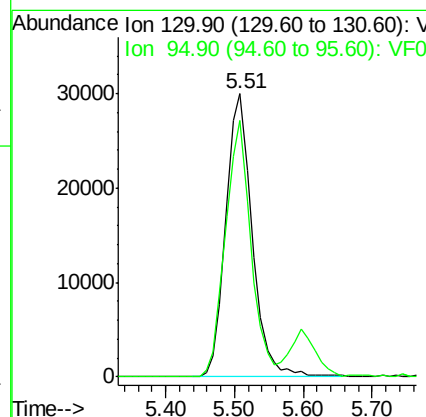
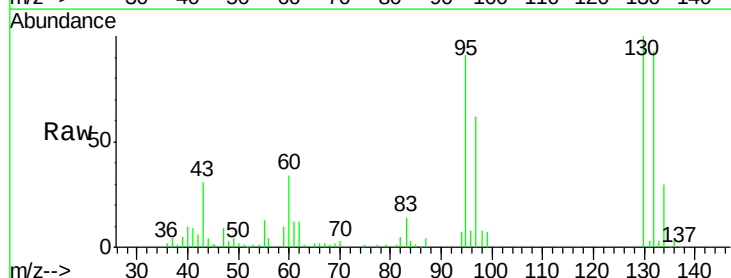
Manual Integrations
APPROVED

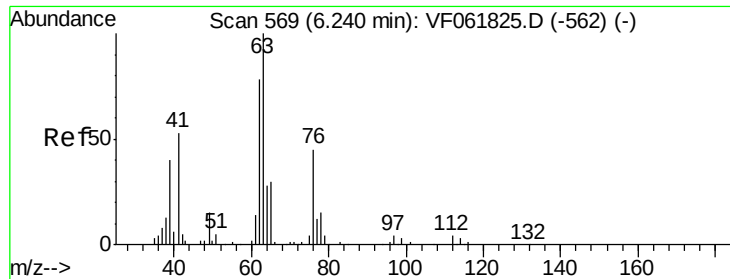
MMDadoda
3/8/2019 12:12:14 AM



#44
Trichloroethene
Concen: 22.682 ug/l
RT: 5.51 min Scan# 495
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	184.0





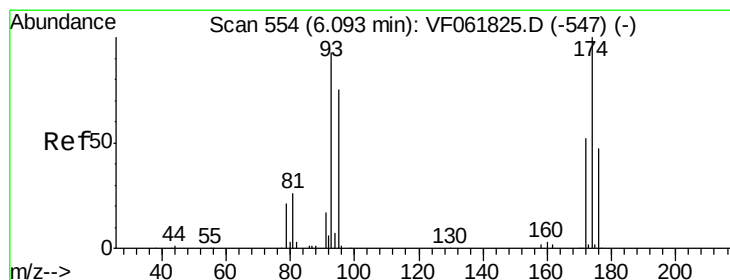
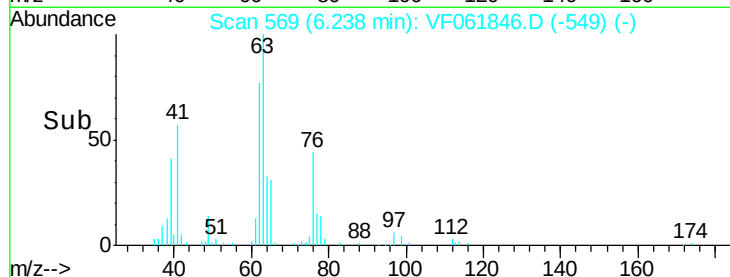
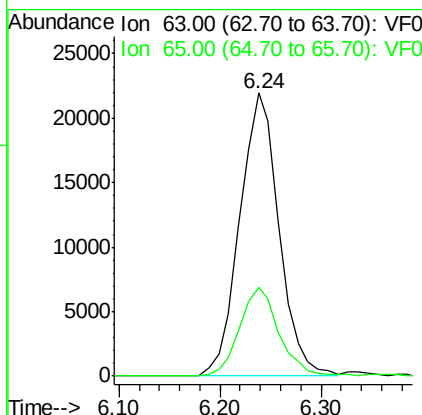
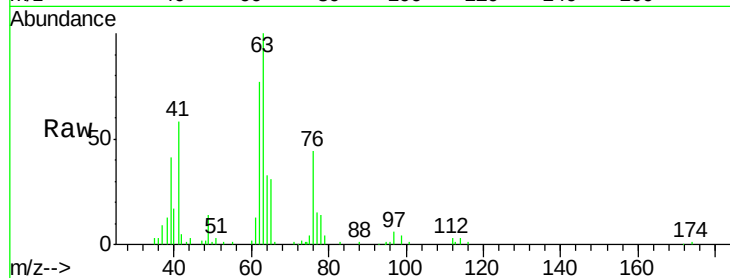
#45
 1,2-Dichloropropane
 Concen: 22.090 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

Tot Ion: 63 Resp: 59438
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.0 36.0

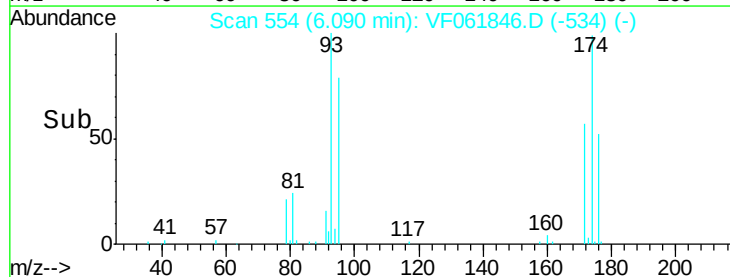
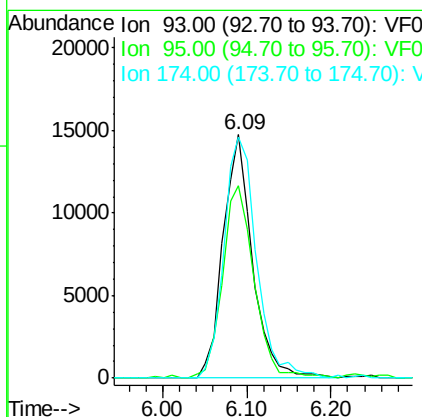
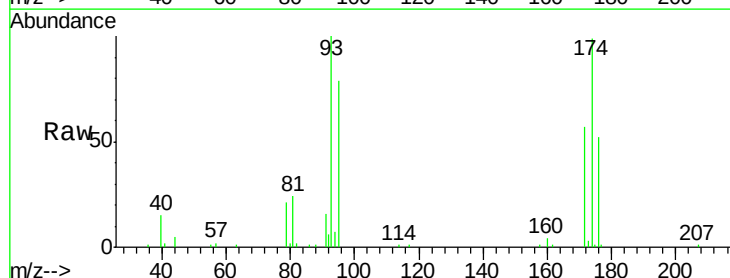
Manual Integrations
 APPROVED

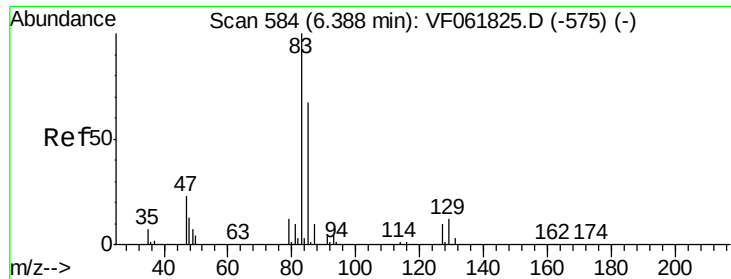
MMDadoda
 3/8/2019 12:12:14 AM



#46
 Dibromomethane
 Concen: 21.223 ug/l
 RT: 6.09 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion: 93 Resp: 35940
 Ion Ratio Lower Upper
 93 100
 95 78.9 64.4 96.6
 174 98.8 85.8 128.6





#47

Bromodichloromethane

Concen: 20.928 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

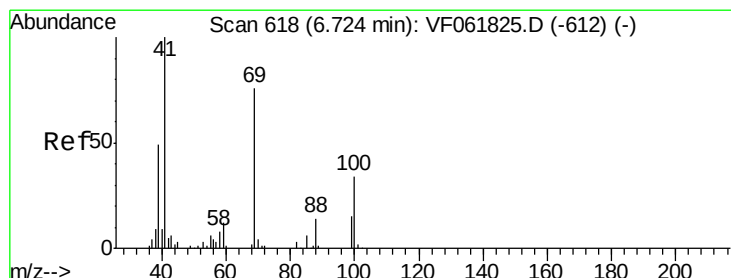
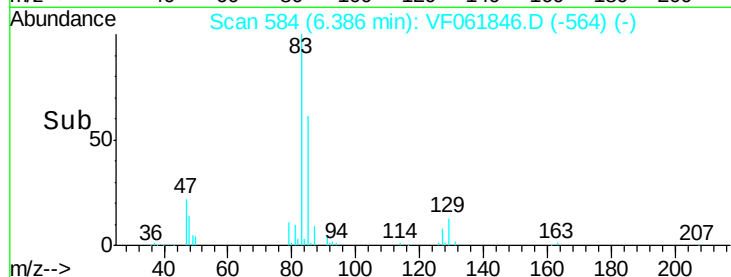
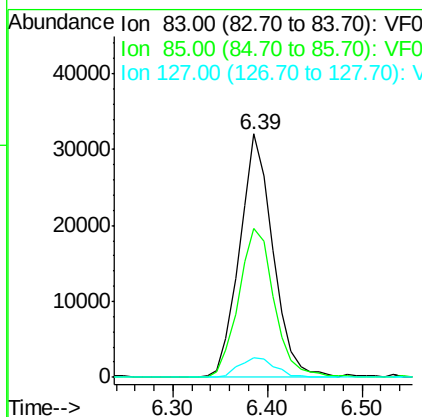
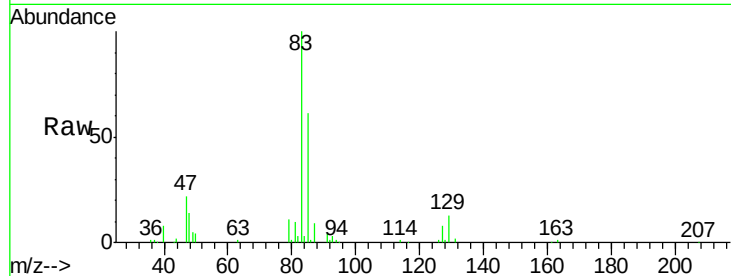
ClientSampleId :

VF0305SBS01

Tot Ion:	83	Resp:	78296
Ion	Ratio	Lower	Upper
83	100		
85	61.0	53.6	80.4
127	8.1	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:12:14 AM



#48

Methyl methacrylate

Concen: 21.615 ug/l

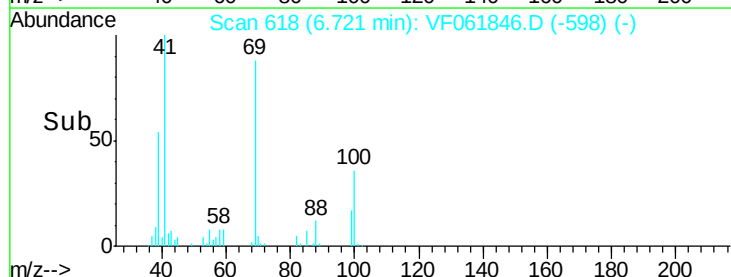
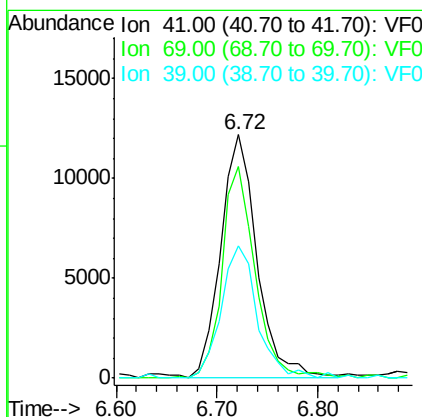
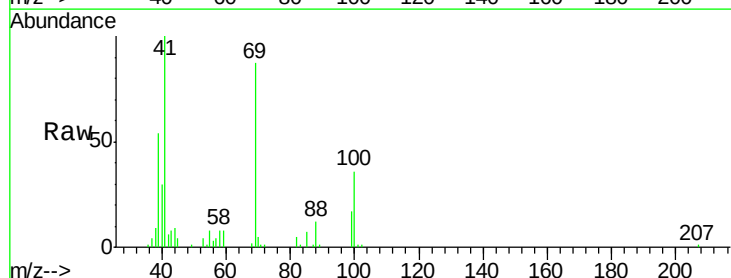
RT: 6.72 min Scan# 618

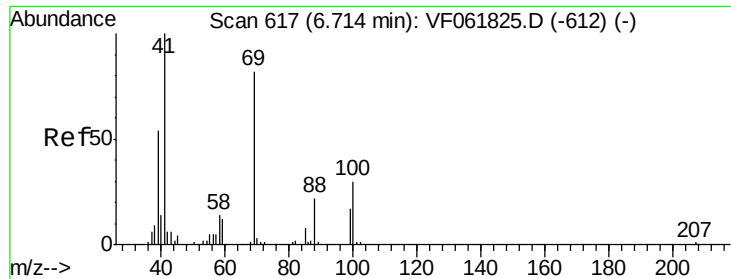
Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion:	41	Resp:	30640
Ion	Ratio	Lower	Upper
41	100		
69	86.8	60.4	90.6
39	54.4	39.7	59.5





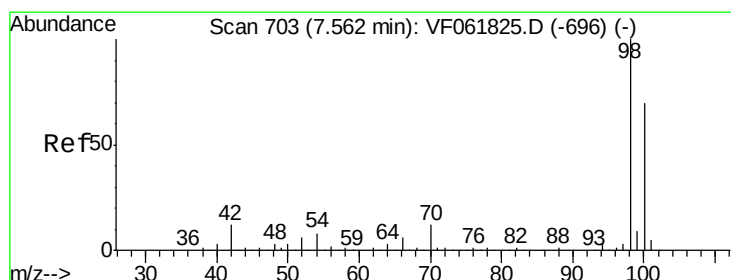
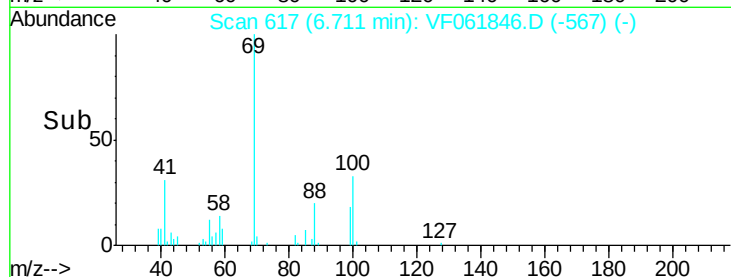
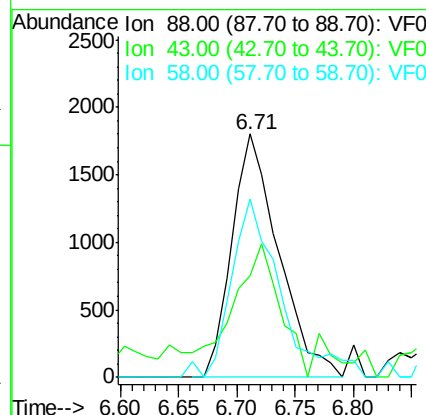
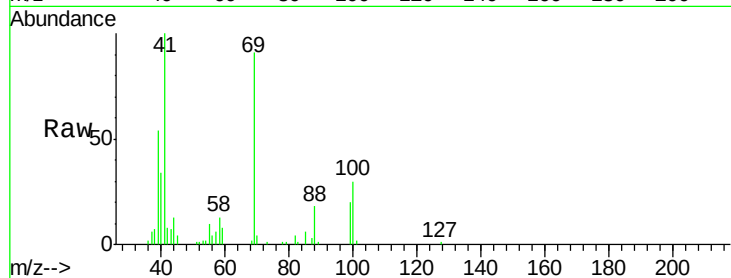
#49
1,4-Dioxane
Concen: 385.472 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	4995		
43	41.6		28.4	42.6
58	73.4		50.7	76.1

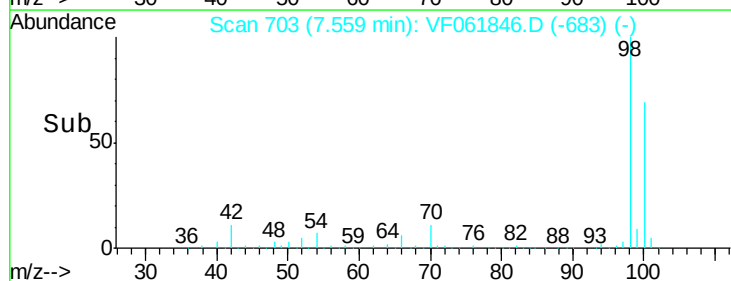
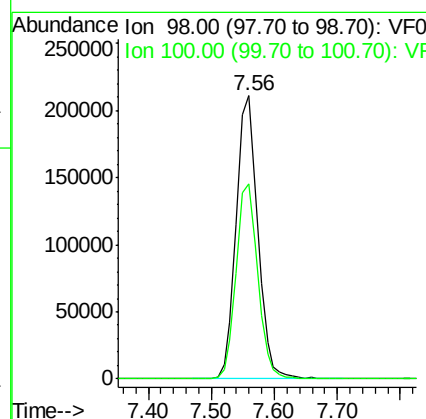
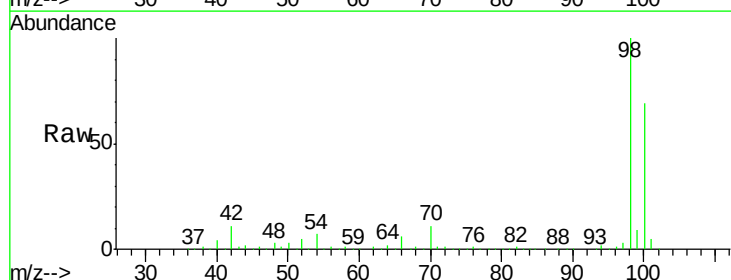
Manual Integrations
APPROVED

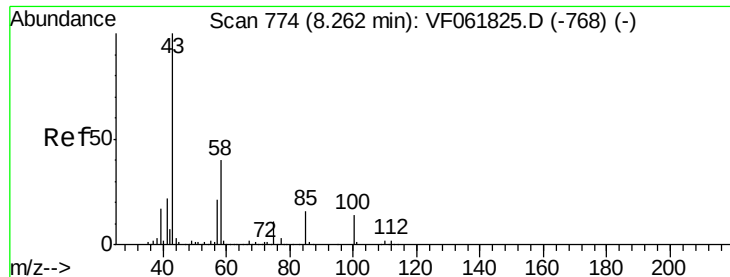
MMDadoda
3/8/2019 12:12:14 AM



#50
Toluene-d8
Concen: 52.590 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	499930		
100	68.9		56.0	84.0





#51

4-Methyl-2-Pentanone

Concen: 100.529 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

Tot Ion: 43 Resp: 155620

Ion Ratio Lower Upper

43 100

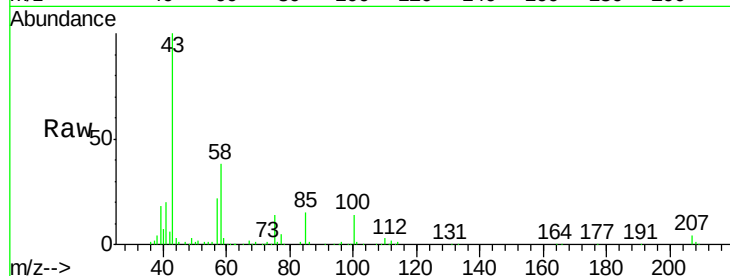
58 38.3 31.8 47.8

Manual Integrations

APPROVED

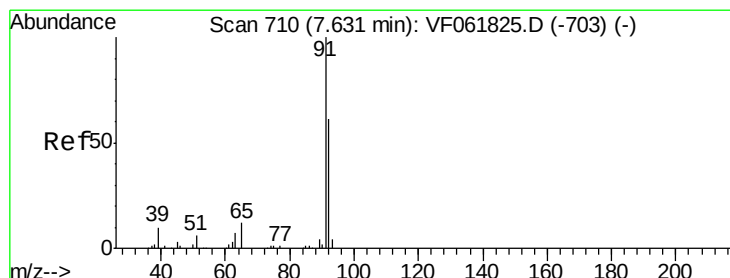
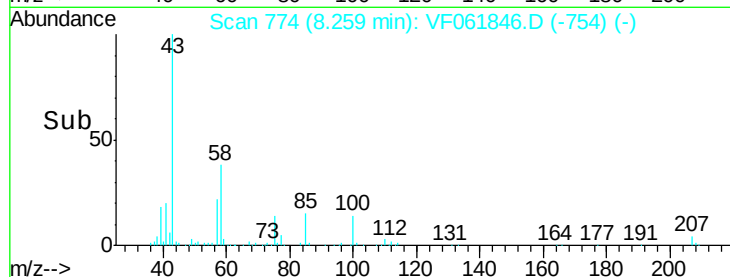
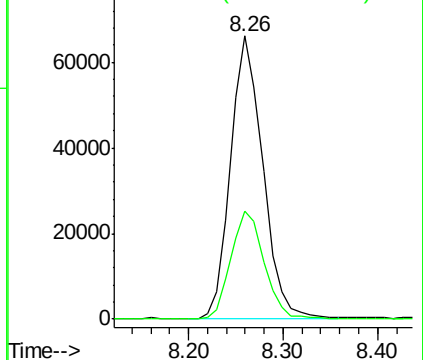
MMDadoda

3/8/2019 12:12:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.075 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061846.D

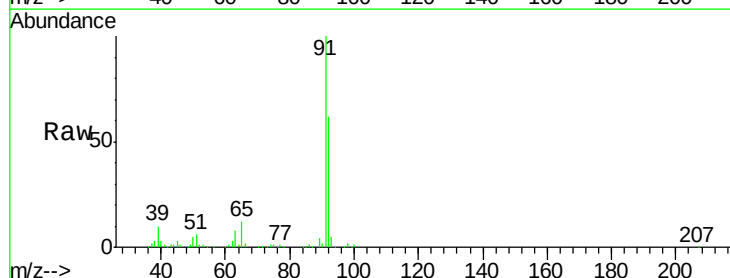
Acq: 5 Mar 2019 15:40

Tgt Ion: 92 Resp: 147770

Ion Ratio Lower Upper

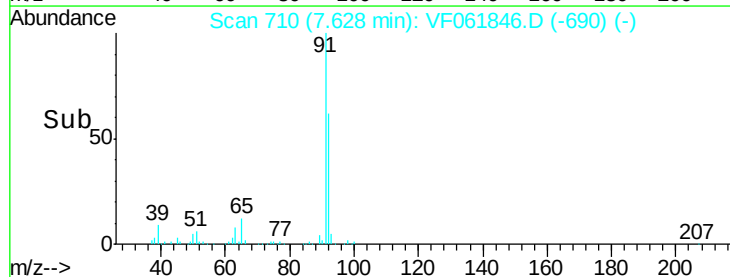
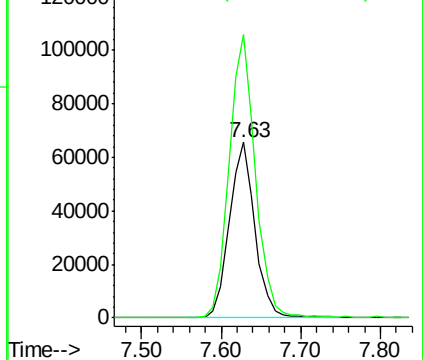
92 100

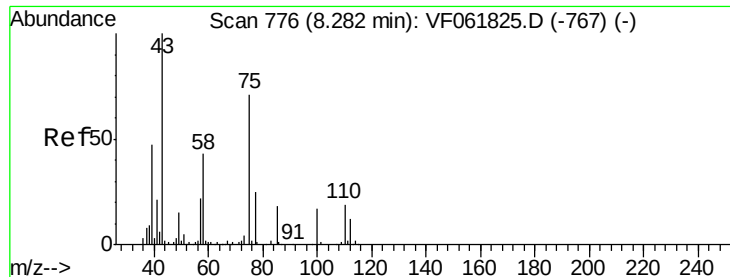
91 161.4 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





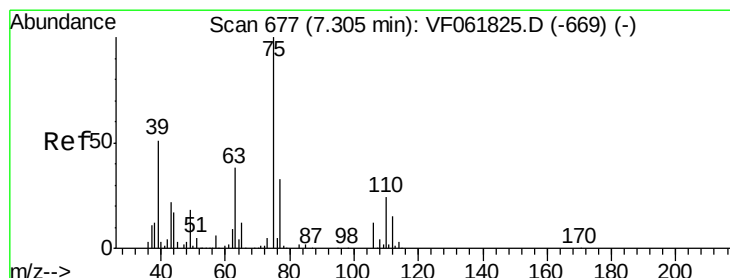
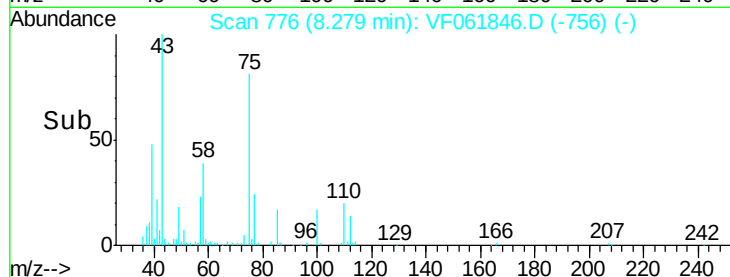
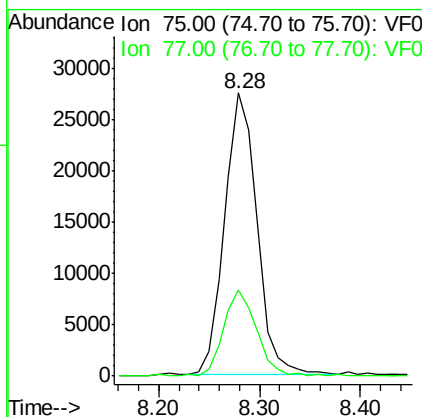
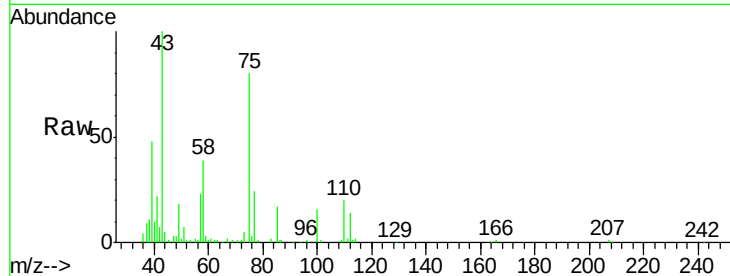
#53
t-1,3-Dichloropropene
Concen: 19.797 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	28.0	42.0

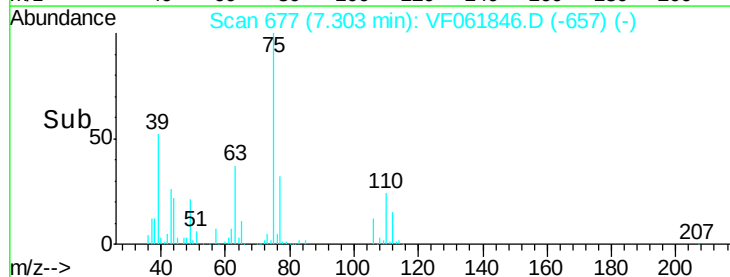
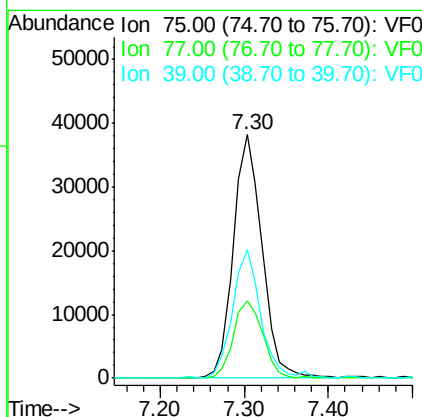
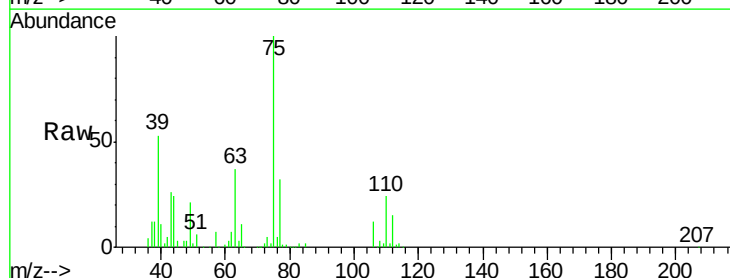
Manual Integrations
APPROVED

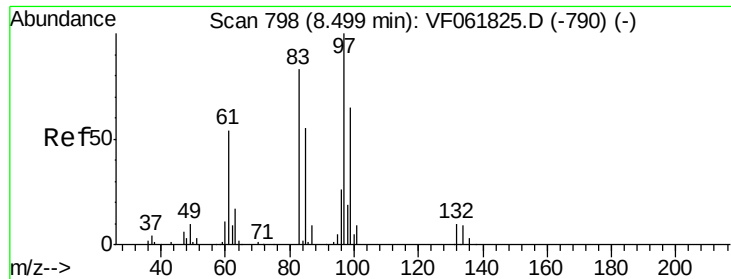
MMDadoda
3/8/2019 12:12:14 AM



#54
cis-1,3-Dichloropropene
Concen: 21.327 ug/l
RT: 7.30 min Scan# 677
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.3	39.5
39	52.5	40.8	61.2





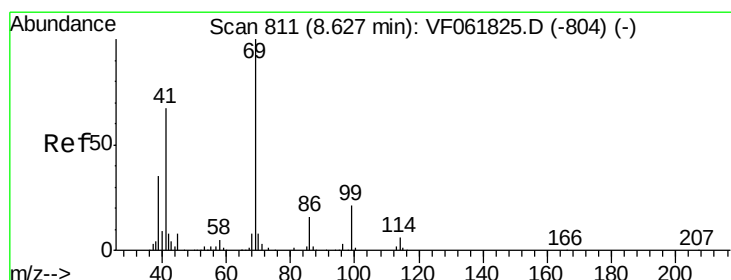
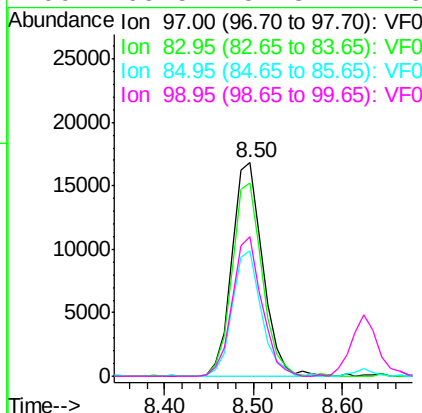
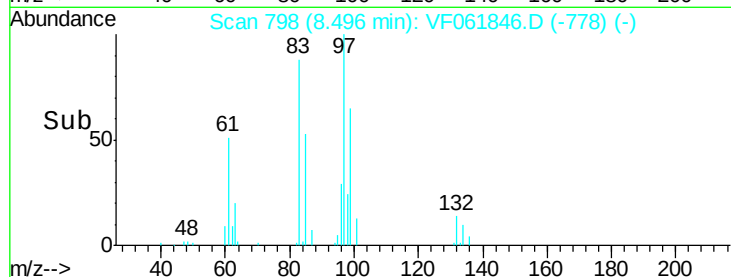
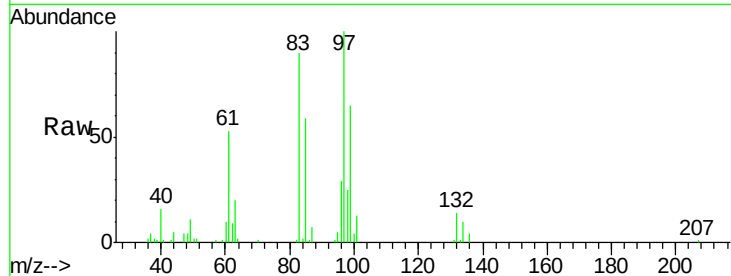
#55
 1,1,2-Trichloroethane
 Concen: 21.198 ug/l
 RT: 8.50 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		40885		
83	90.2		66.5	99.7	
85	58.6		44.2	66.2	
99	65.5		51.8	77.6	

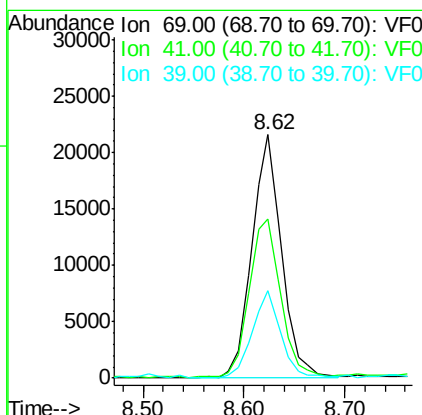
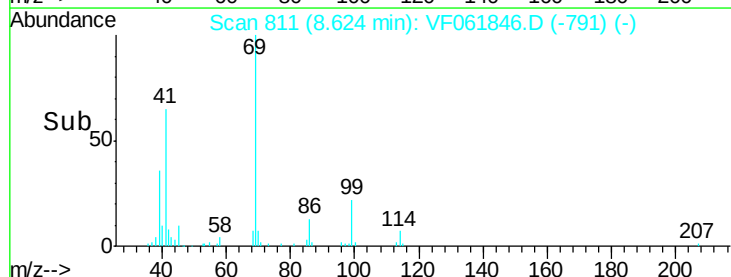
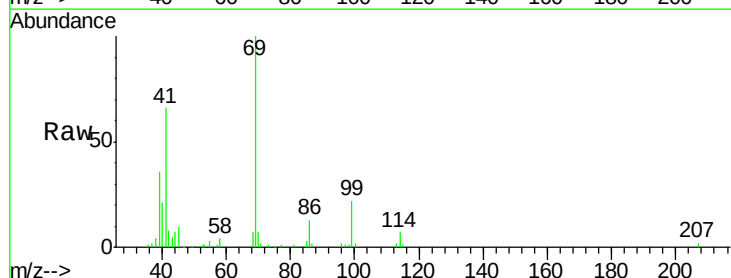
Manual Integrations
 APPROVED

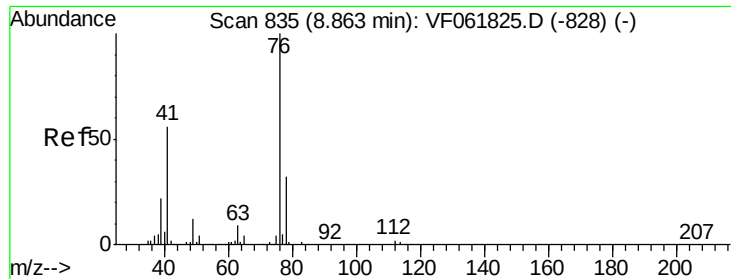
MMDadoda
 3/8/2019 12:12:14 AM



#56
 Ethyl methacrylate
 Concen: 20.468 ug/l
 RT: 8.62 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		44491		
41	65.6		53.9	80.9	
39	35.7		28.3	42.5	





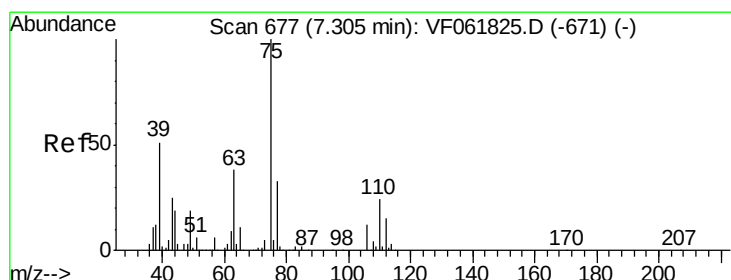
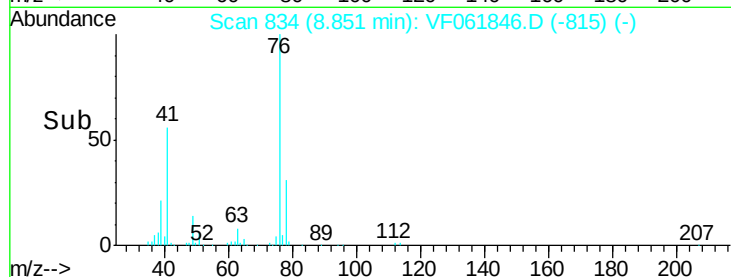
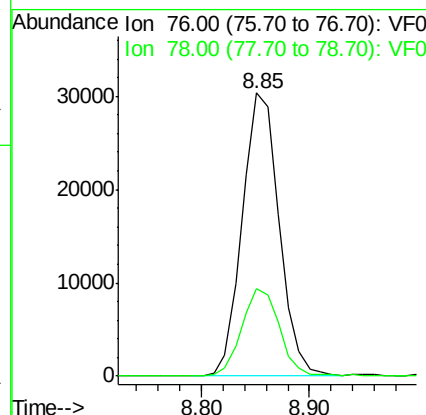
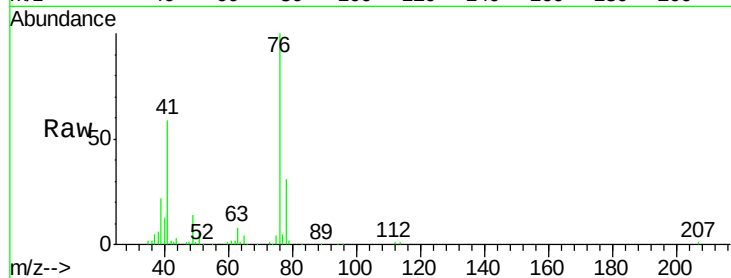
#57
 1,3-Dichloropropane
 Concen: 22.913 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

Tot Ion: 76 Resp: 72273
 Ion Ratio Lower Upper
 76 100
 78 30.9 25.4 38.2

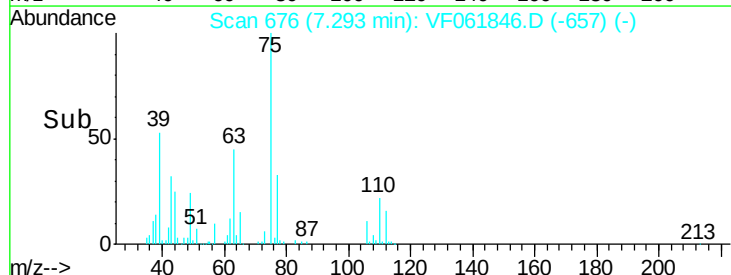
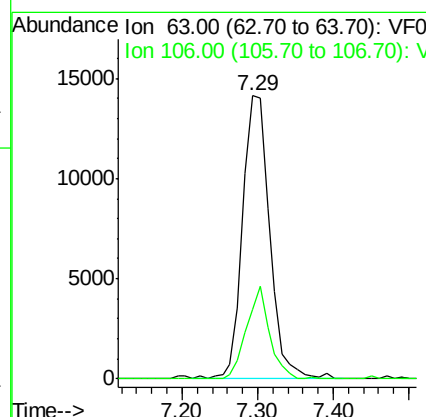
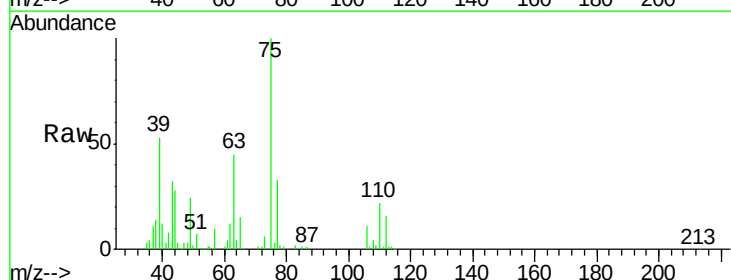
Manual Integrations
 APPROVED

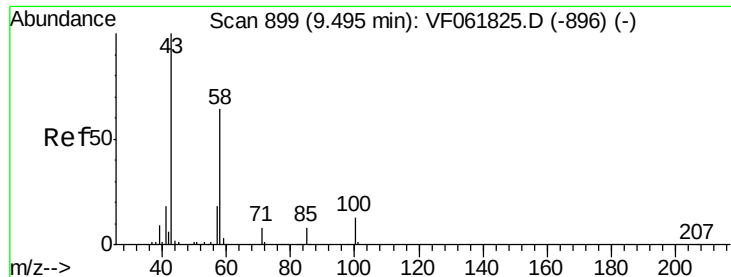
MMDadoda
 3/8/2019 12:12:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.887 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion: 63 Resp: 35034
 Ion Ratio Lower Upper
 63 100
 106 24.7 24.3 36.5





#59

2-Hexanone

Concen: 105.461 ug/l

RT: 9.49 min Scan# 899

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

Tot Ion: 43 Resp: 117774

Ion Ratio Lower Upper

43 100

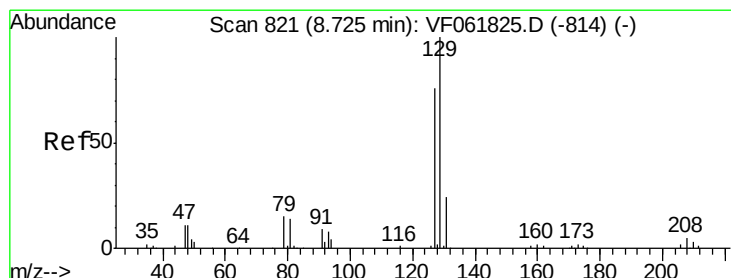
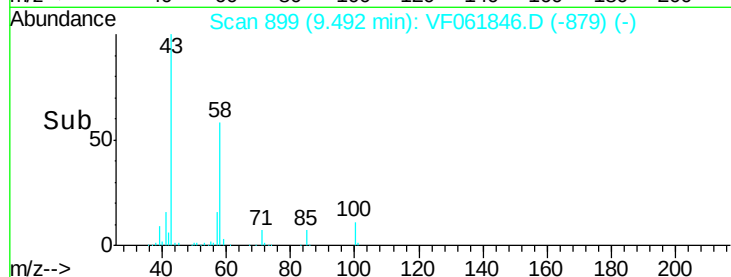
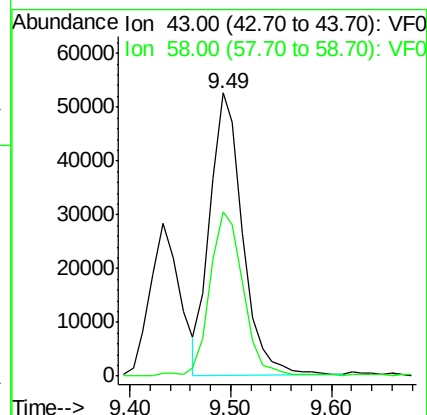
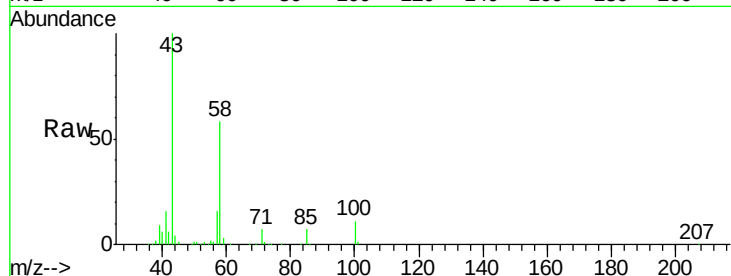
58 58.1 28.8 86.4

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:12:14 AM



#60

Dibromochloromethane

Concen: 22.130 ug/l

RT: 8.71 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF061846.D

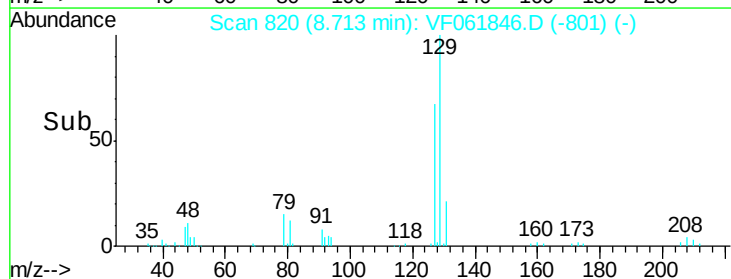
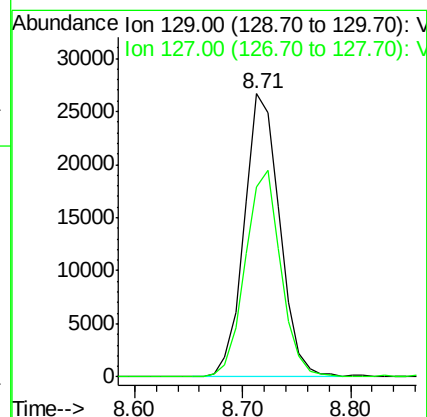
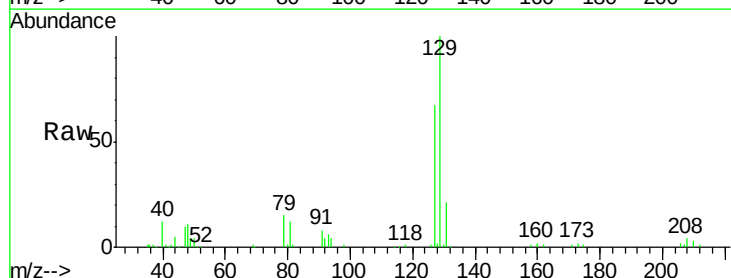
Acq: 5 Mar 2019 15:40

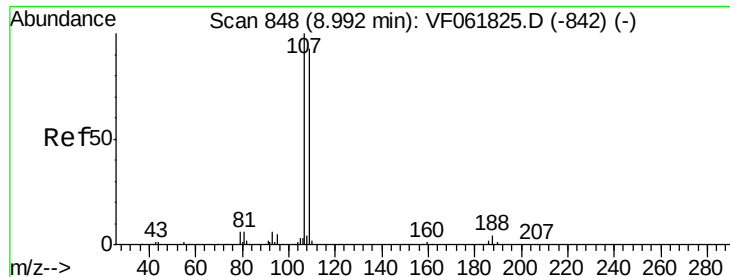
Tgt Ion: 129 Resp: 60834

Ion Ratio Lower Upper

129 100

127 67.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 21.229 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion:107 Resp: 45026

Ion Ratio Lower Upper

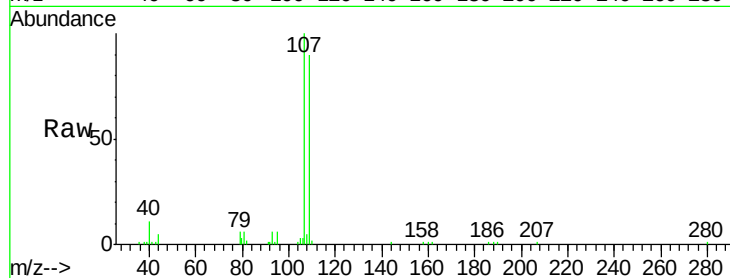
107 100

109 90.5 74.6 112.0

Manual Integrations
APPROVED

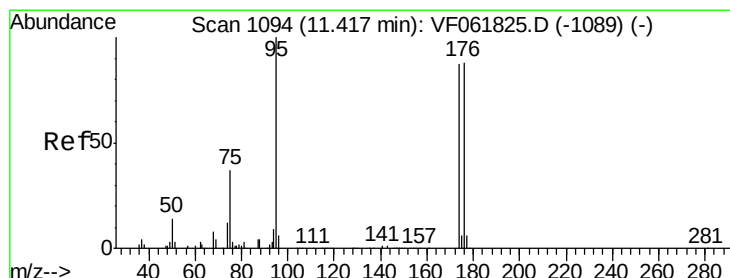
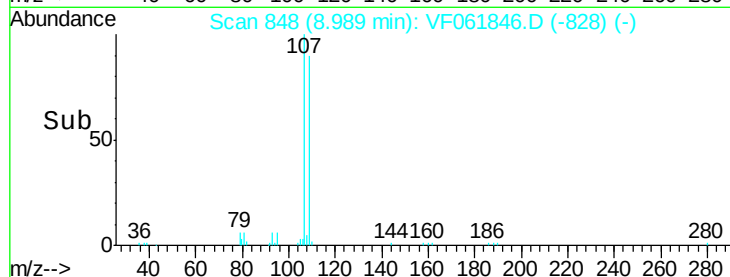
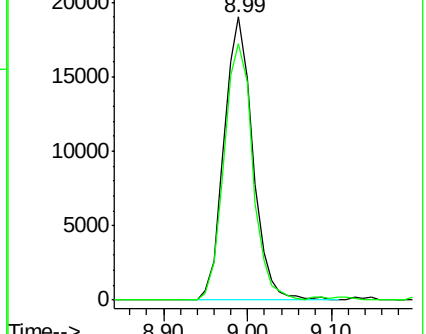
MMDadoda

3/8/2019 12:12:14 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.478 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

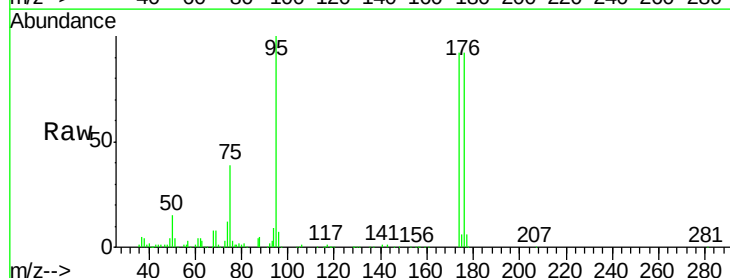
Tgt Ion: 95 Resp: 199139

Ion Ratio Lower Upper

95 100

174 91.9 0.0 174.0

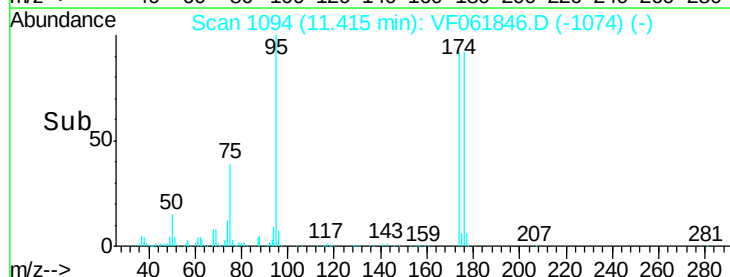
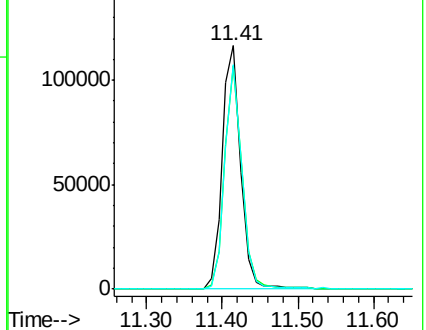
176 92.1 0.0 175.2

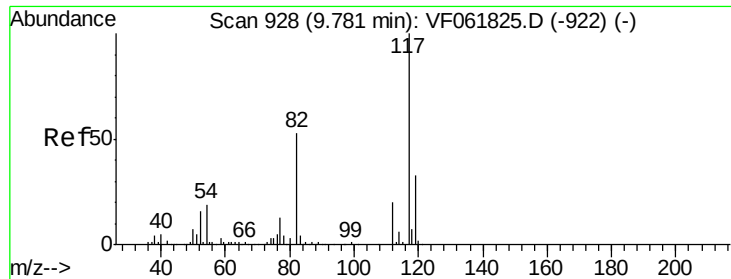


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





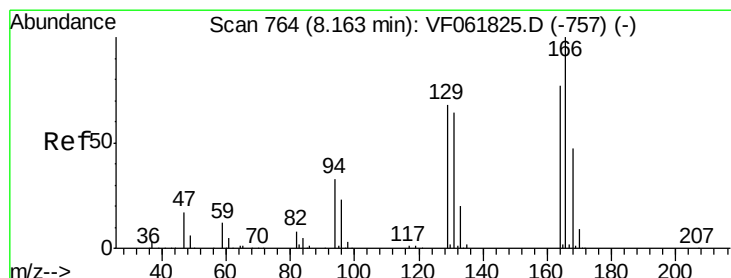
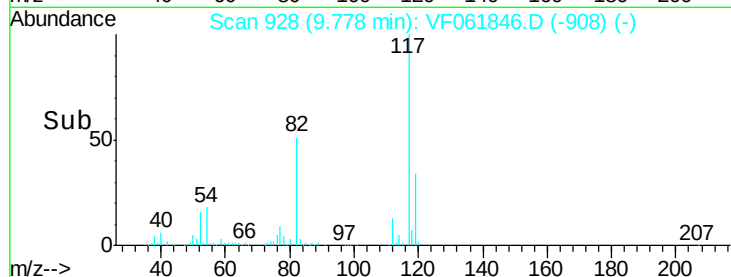
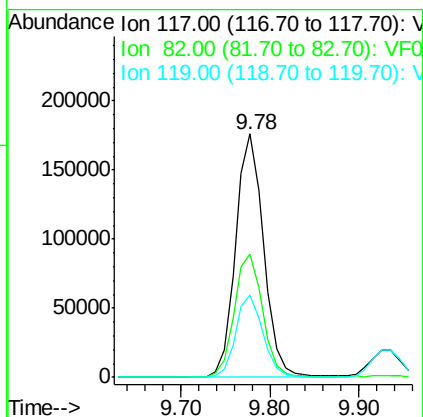
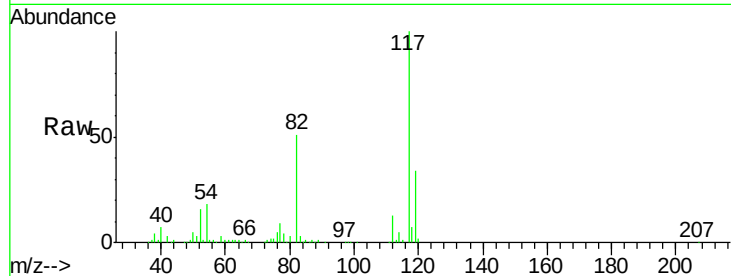
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	388247		
82	50.7	42.6	63.8	
119	33.7	26.0	39.0	

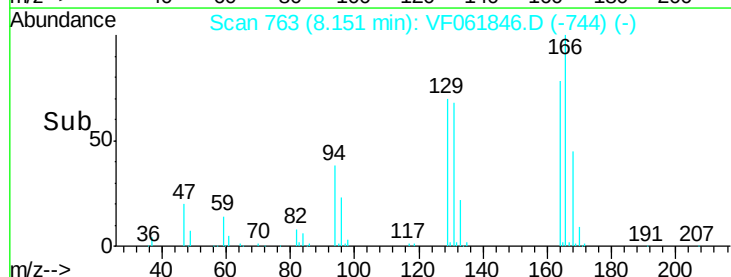
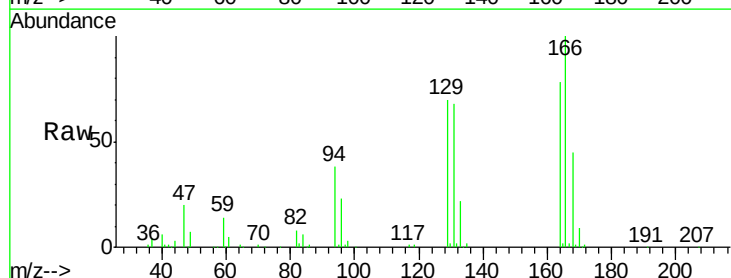
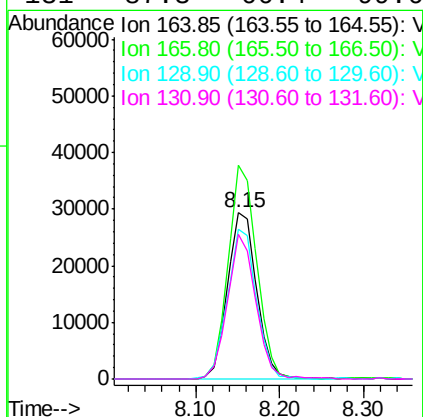
Manual Integrations
APPROVED

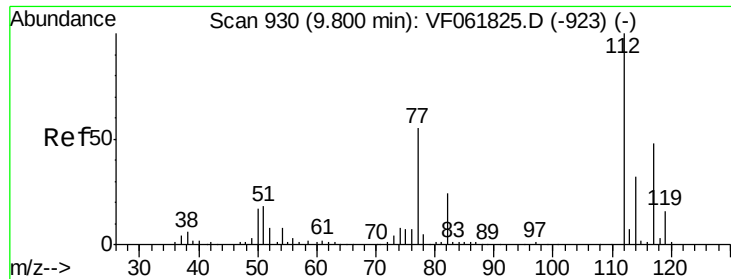
MMDadoda
3/8/2019 12:12:14 AM



#64
Tetrachloroethene
Concen: 23.705 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70717		
166	128.8	103.4	155.0	
129	90.4	69.9	104.9	
131	87.3	66.4	99.6	





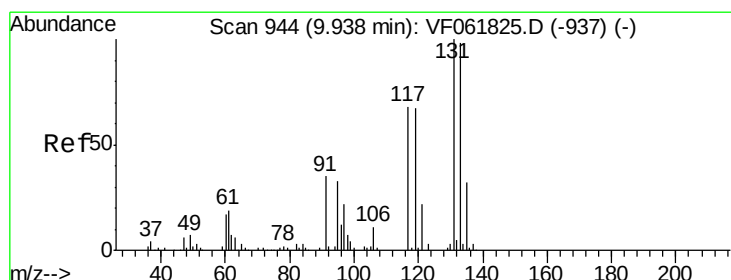
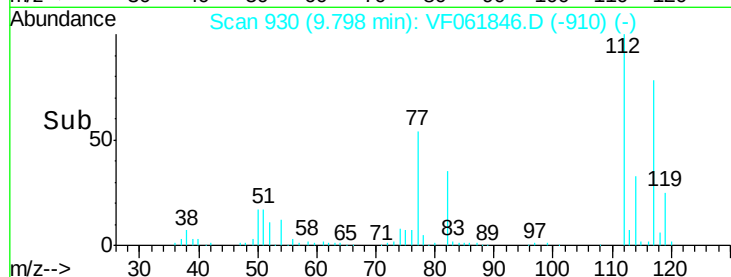
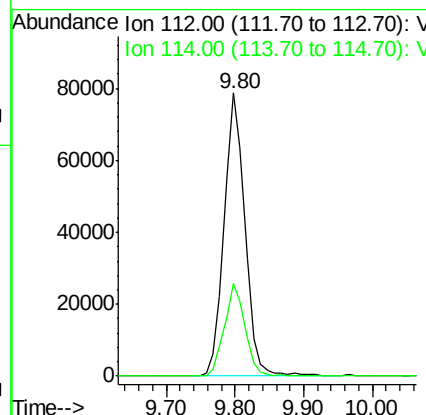
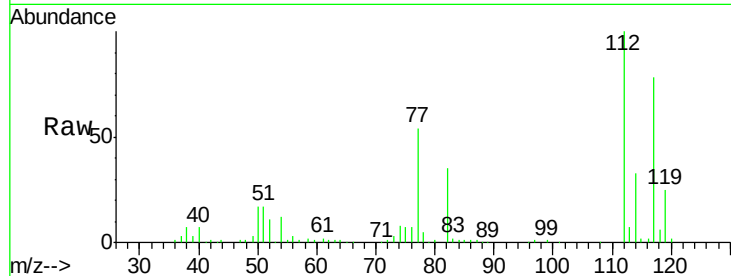
#65
Chlorobenzene
Concen: 22.245 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion:112 Resp: 165926
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3

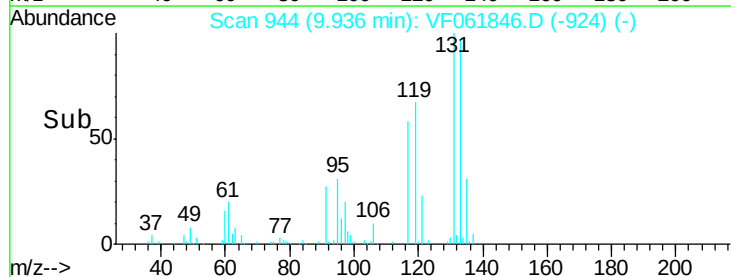
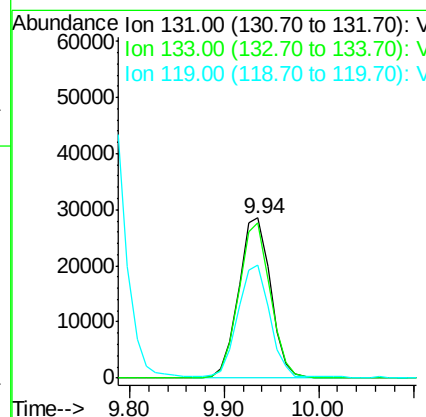
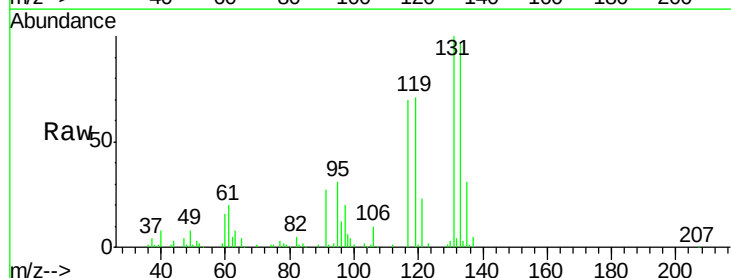
Manual Integrations
APPROVED

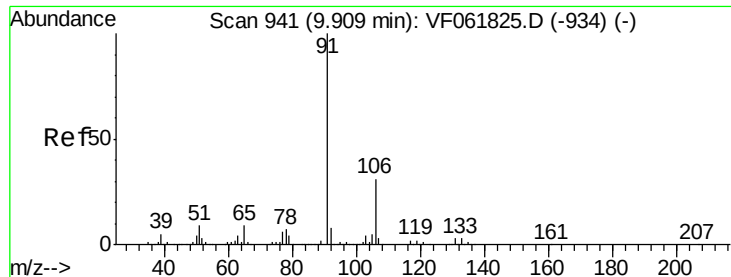
MMDadoda
3/8/2019 12:12:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.257 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion:131 Resp: 67211
Ion Ratio Lower Upper
131 100
133 97.2 48.9 146.7
119 70.6 33.6 100.8





#67

Ethyl Benzene

Concen: 23.161 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 91 Resp: 286343

Ion Ratio Lower Upper

91 100

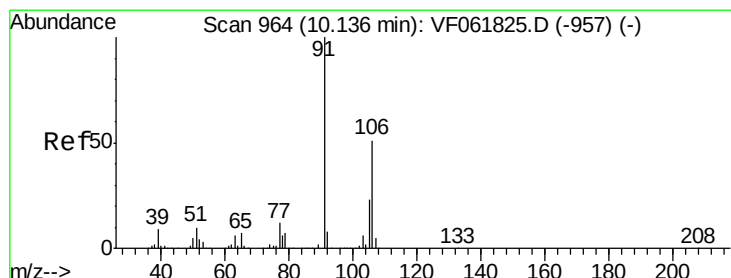
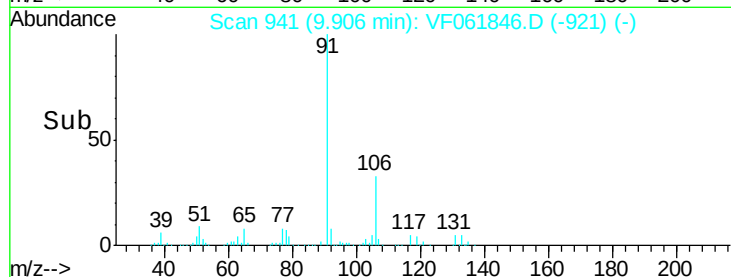
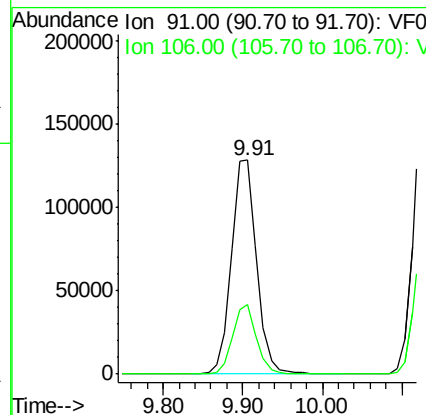
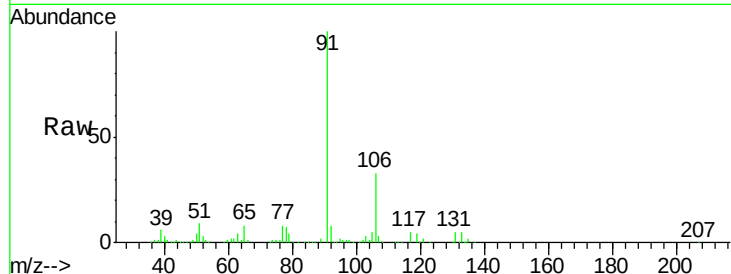
106 32.6 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:12:14 AM



#68

m/p-Xylenes

Concen: 45.143 ug/l

RT: 10.13 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF061846.D

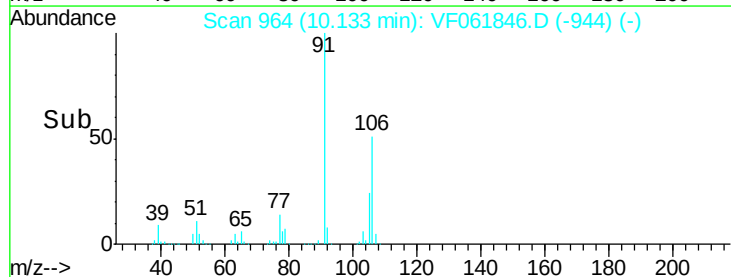
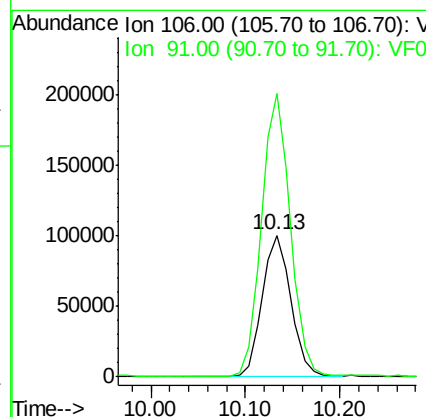
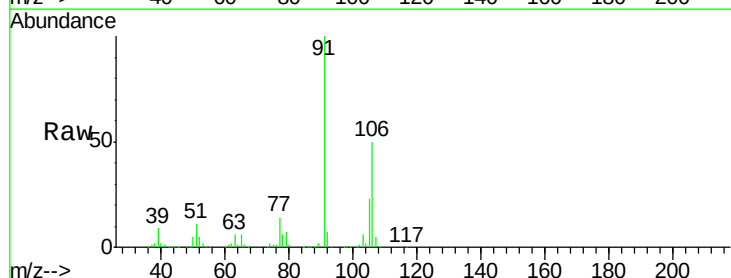
Acq: 5 Mar 2019 15:40

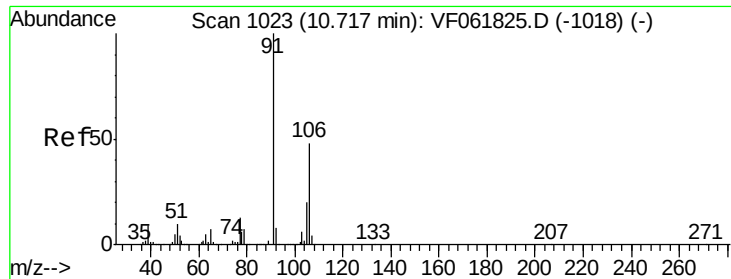
Tgt Ion: 106 Resp: 213804

Ion Ratio Lower Upper

106 100

91 199.9 157.5 236.3





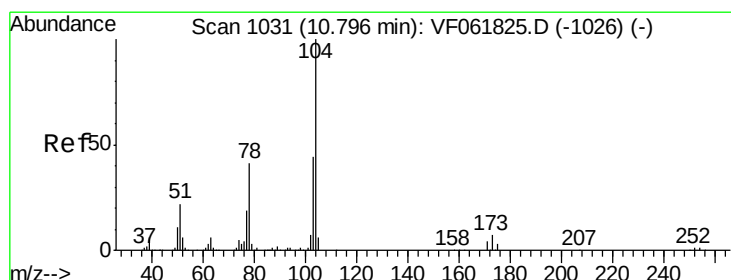
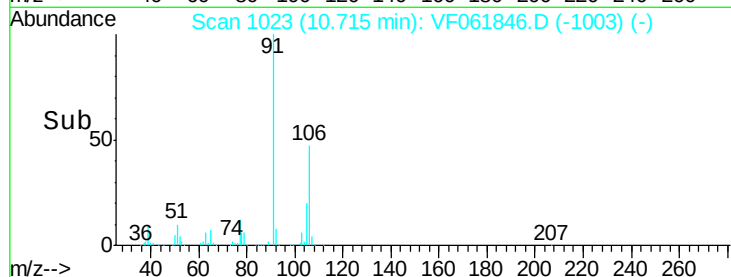
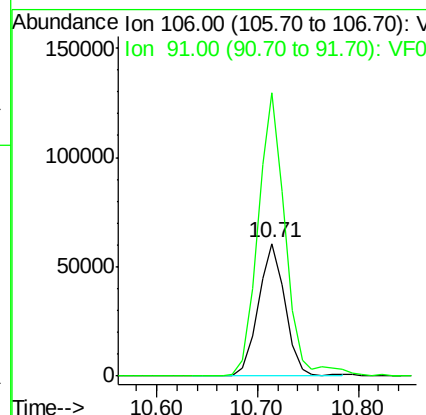
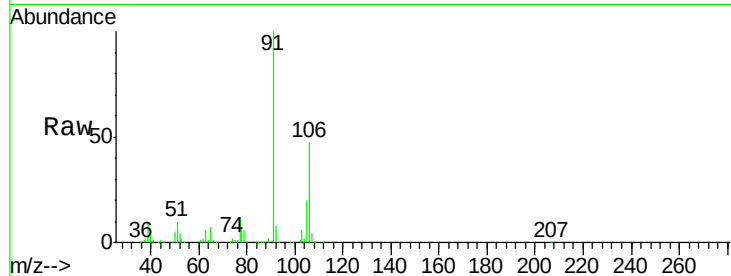
#69
o-Xylene
Concen: 22.006 ug/l
RT: 10.71 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.0	103.5	310.3

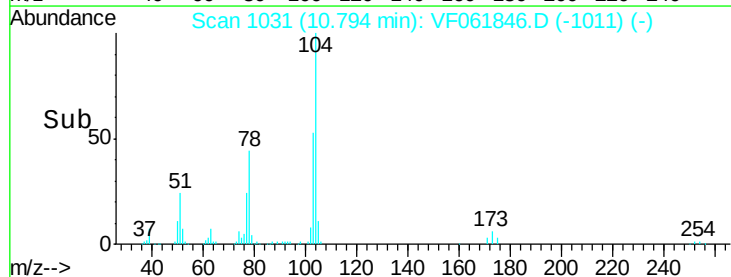
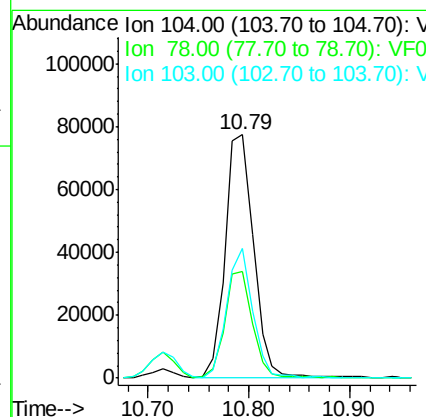
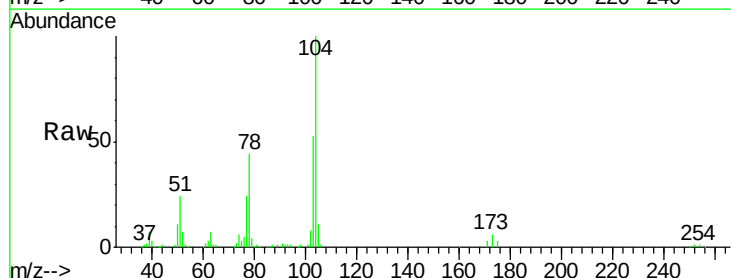
Manual Integrations
APPROVED

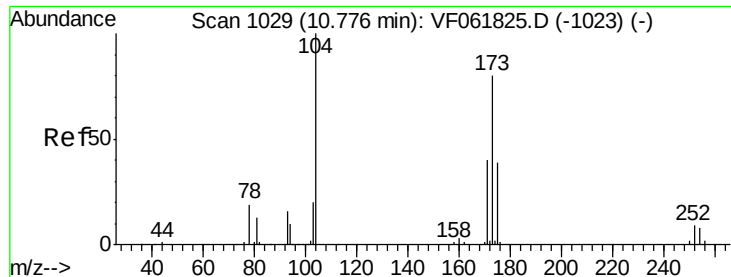
MMDadoda
3/8/2019 12:12:14 AM



#70
Styrene
Concen: 21.057 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.8	33.3	49.9
103	53.1	35.4	53.0#





#71

Bromoform

Concen: 20.570 ug/l

RT: 10.77 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion:173 Resp: 31418

Ion Ratio Lower Upper

173 100

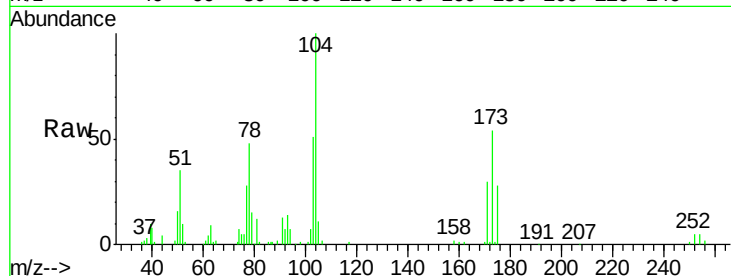
175 50.6 24.5 73.5

254 10.1 8.0 12.0

Manual Integrations
APPROVED

MMDadoda

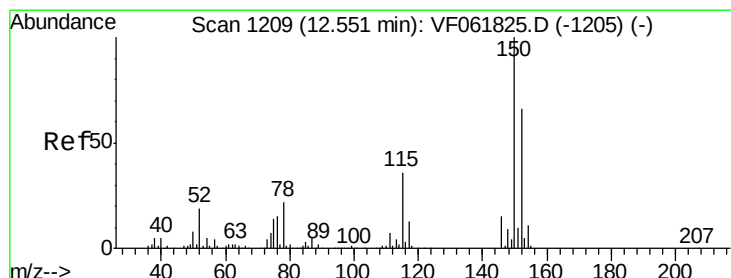
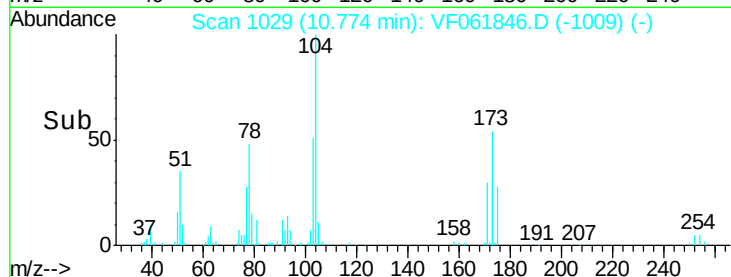
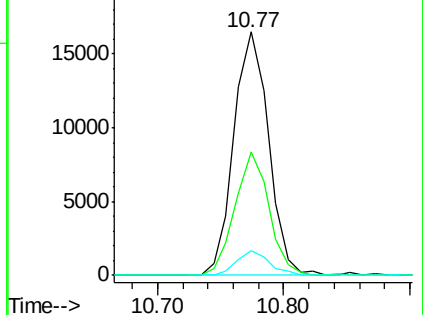
3/8/2019 12:12:14 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

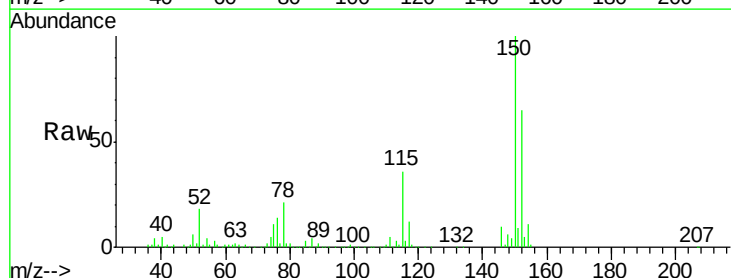
Tgt Ion:152 Resp: 211714

Ion Ratio Lower Upper

152 100

115 54.7 27.7 83.1

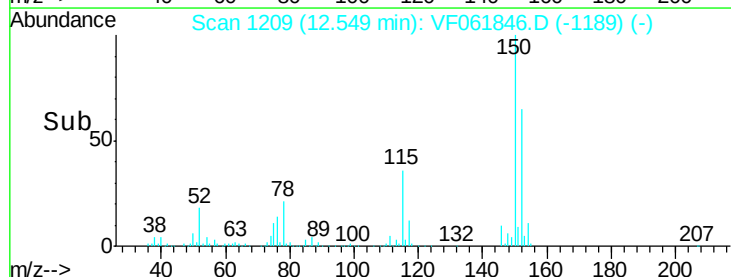
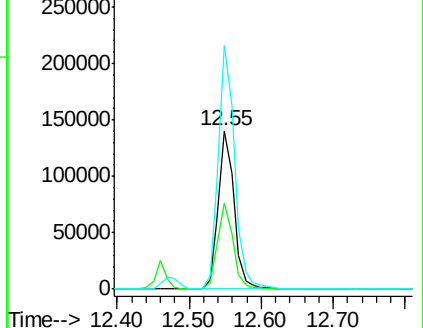
150 154.2 0.0 304.2

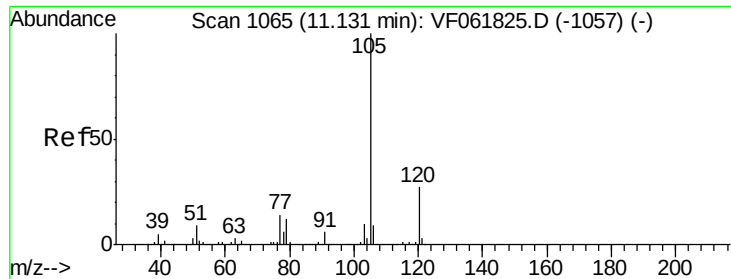


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.577 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion:105 Resp: 329062

Ion Ratio Lower Upper

105 100

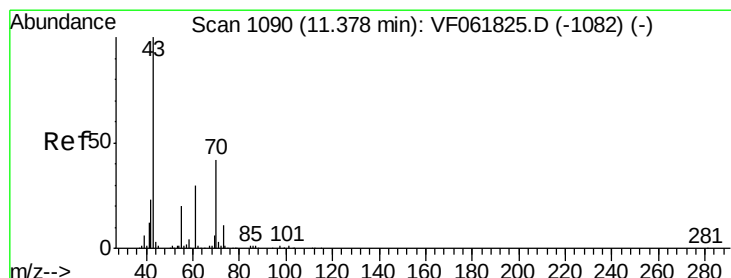
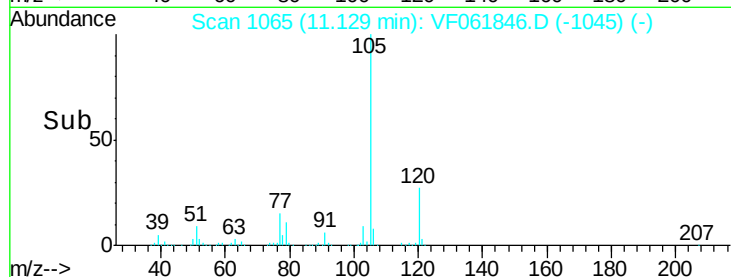
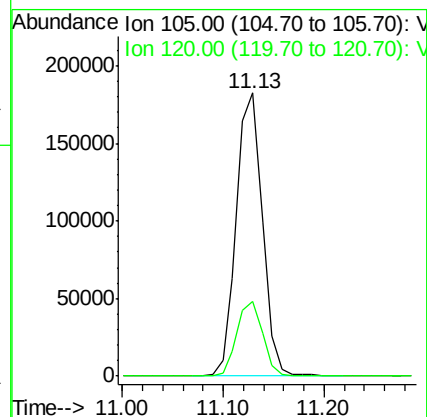
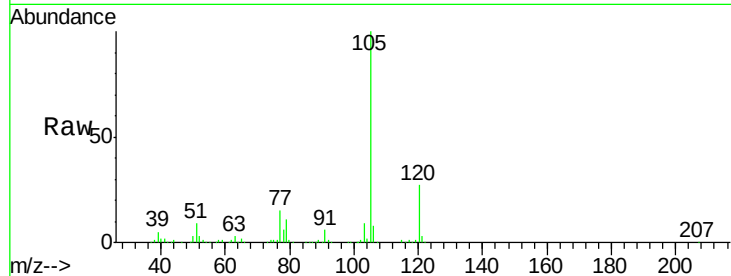
120 26.6 13.7 41.0

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:12:14 AM



#74

N-ethyl acetate

Concen: 22.356 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion: 43 Resp: 75015

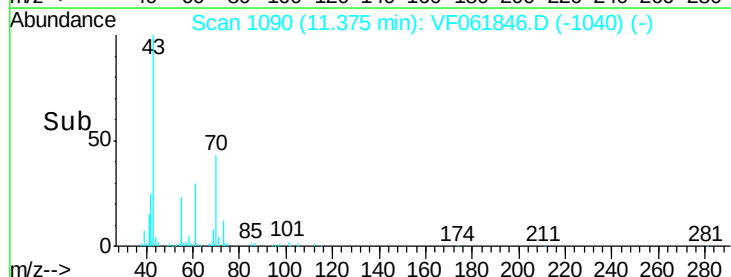
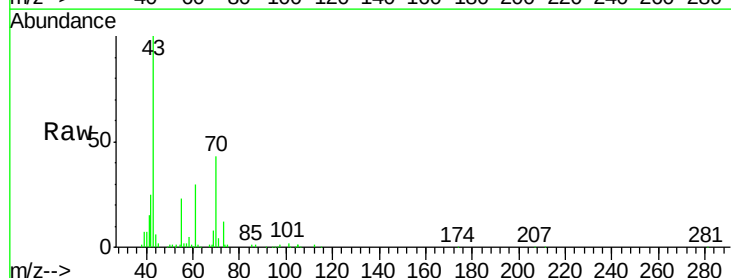
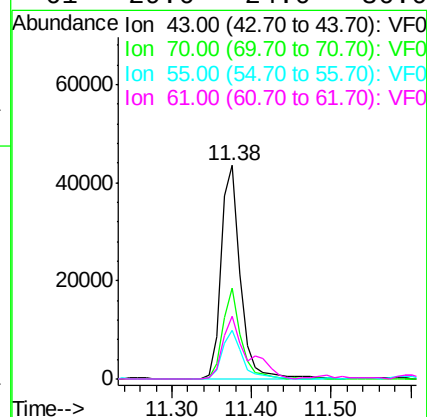
Ion Ratio Lower Upper

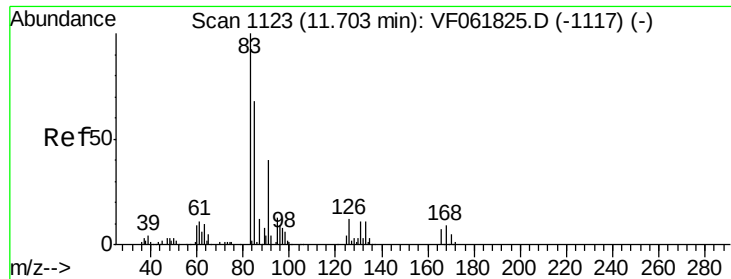
43 100

70 42.8 33.4 50.0

55 23.1 16.3 24.5

61 29.6 24.0 36.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.314 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

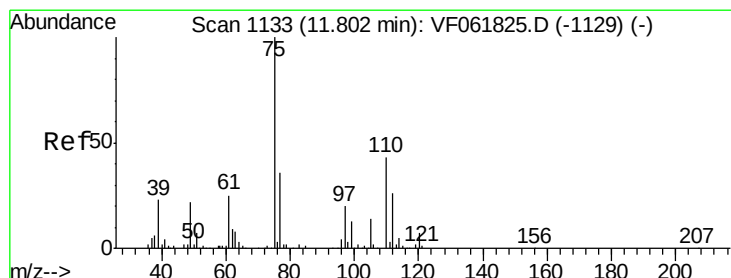
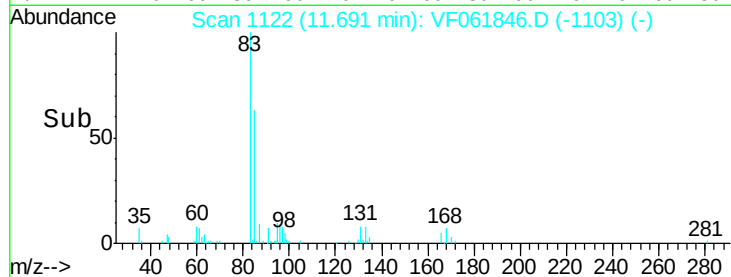
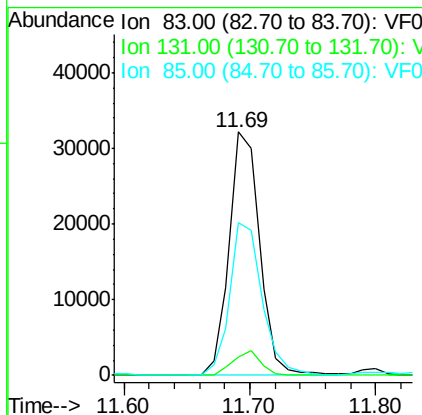
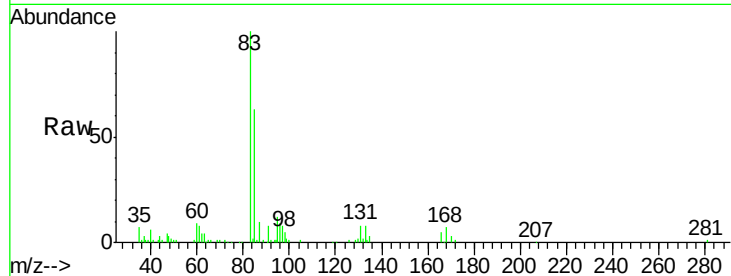
ClientSampleId :

VF0305SBS01

Tot Ion:	83	Resp:	54054
Ion Ratio	Lower	Upper	
83	100		
131	7.8	5.5	16.7
85	62.6	34.2	102.6

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:12:14 AM



#76

1,2,3-Trichloropropane

Concen: 21.639 ug/l

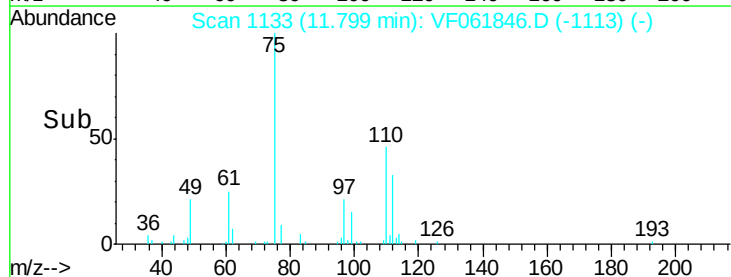
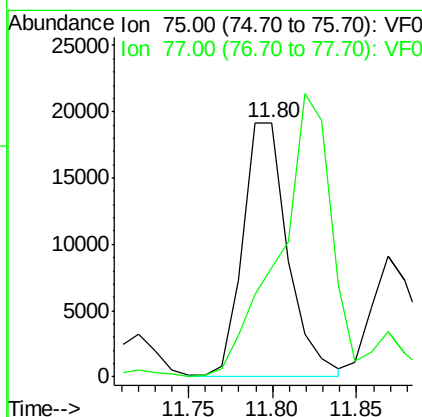
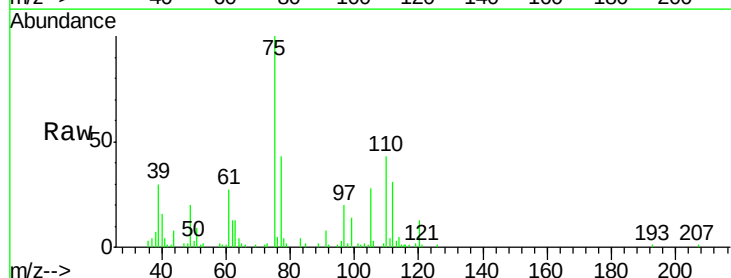
RT: 11.80 min Scan# 1133

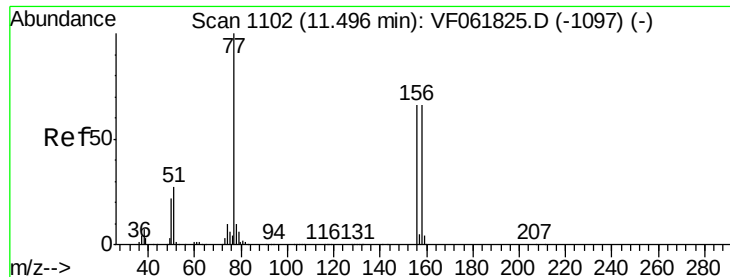
Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion:	75	Resp:	35777
Ion Ratio	Lower	Upper	
75	100		
77	42.9	18.1	54.4





#77

Bromobenzene

Concen: 23.197 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion:156 Resp: 81371

Ion Ratio Lower Upper

156 100

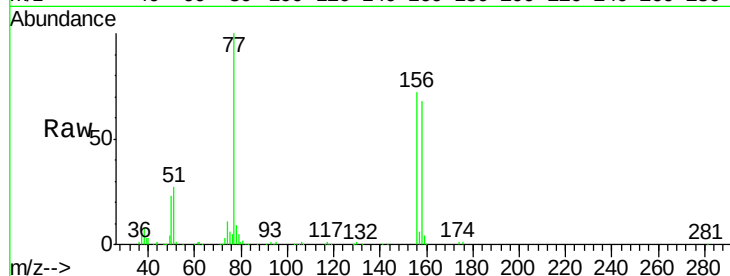
77 138.2 75.7 227.1

158 93.9 50.0 150.1

Manual Integrations
APPROVED

MMDadoda

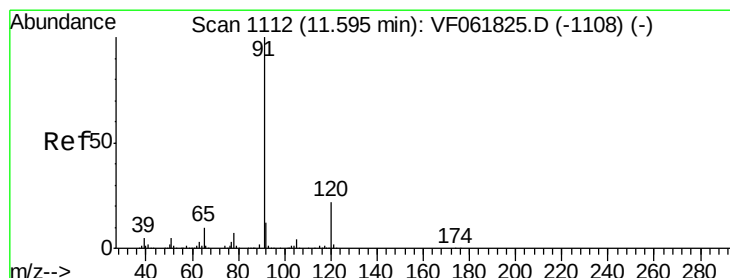
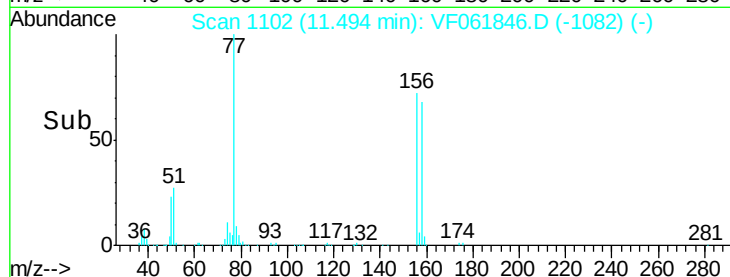
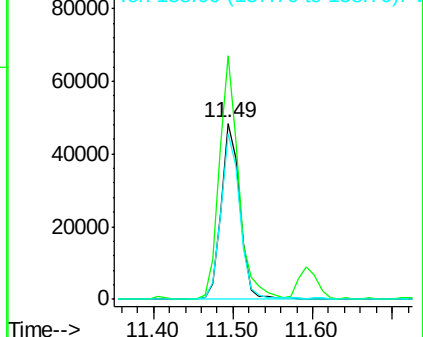
3/8/2019 12:12:14 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.624 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061846.D

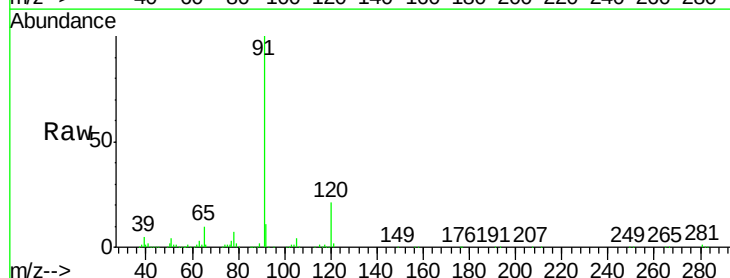
Acq: 5 Mar 2019 15:40

Tgt Ion: 91 Resp: 388855

Ion Ratio Lower Upper

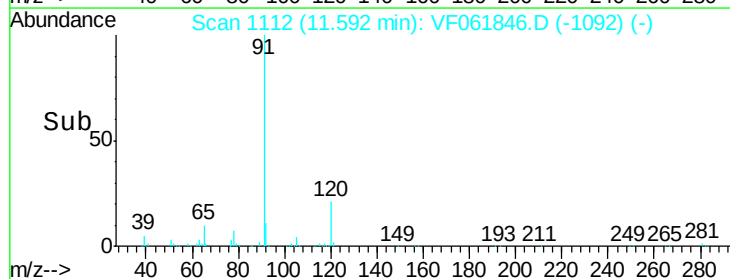
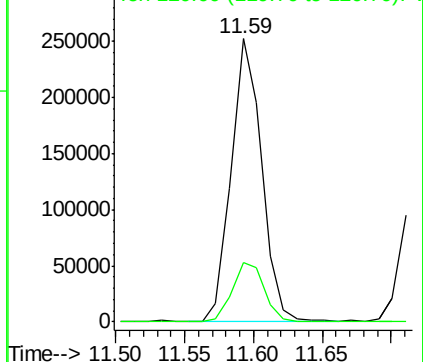
91 100

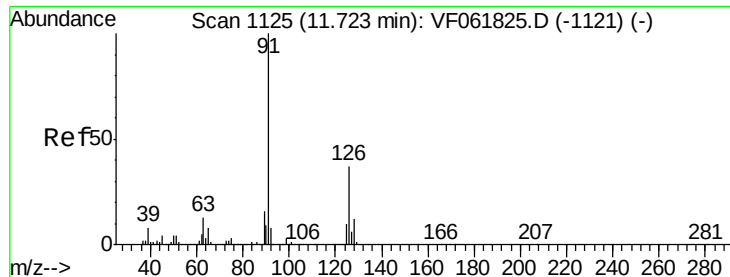
120 21.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.447 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBS01

Tot Ion: 91 Resp: 211234

Ion Ratio Lower Upper

91 100

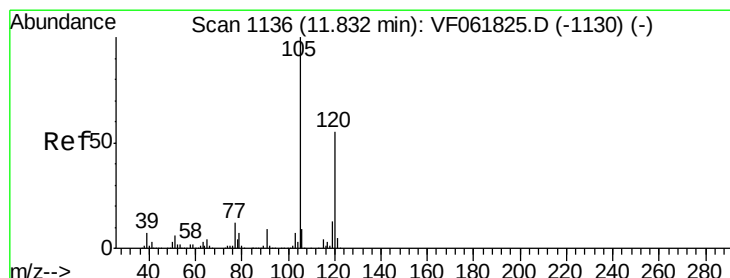
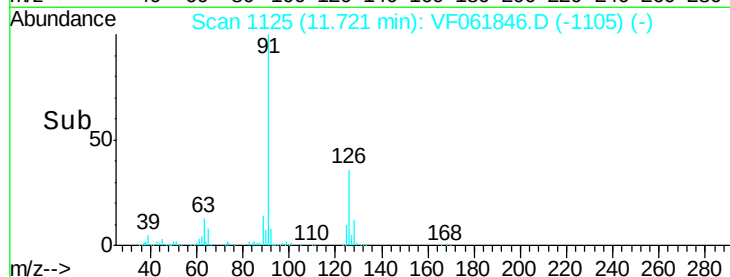
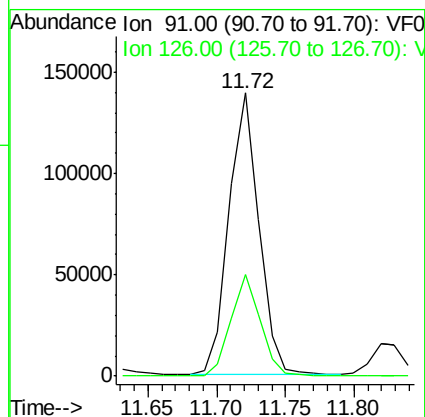
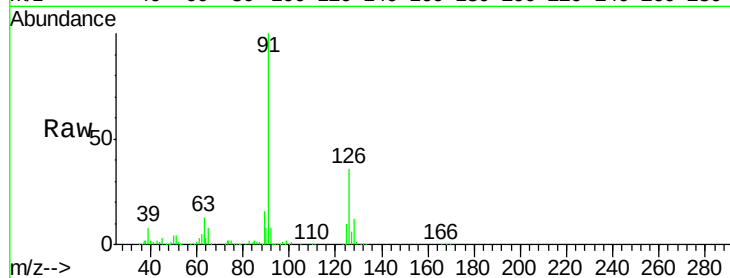
126 36.1 18.1 54.4

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:12:14 AM



#80

1,3,5-Trimethylbenzene

Concen: 22.846 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061846.D

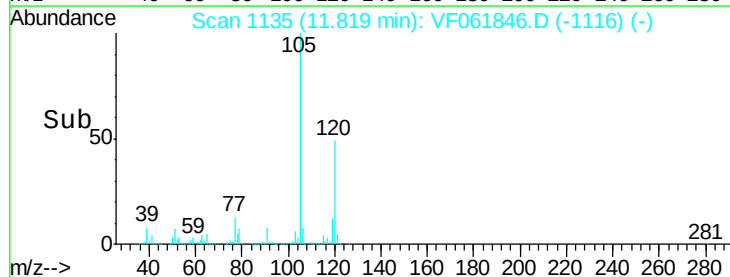
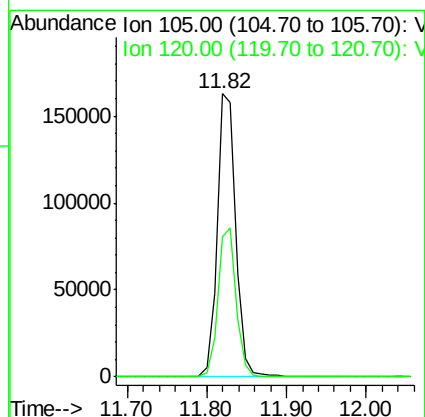
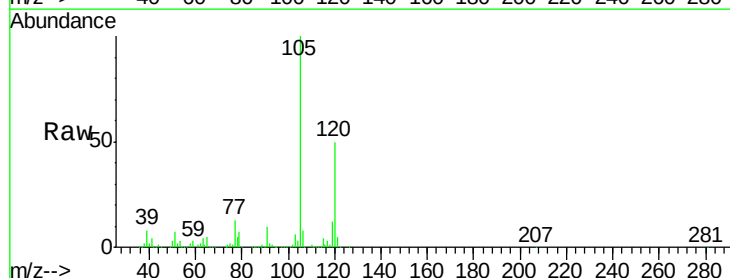
Acq: 5 Mar 2019 15:40

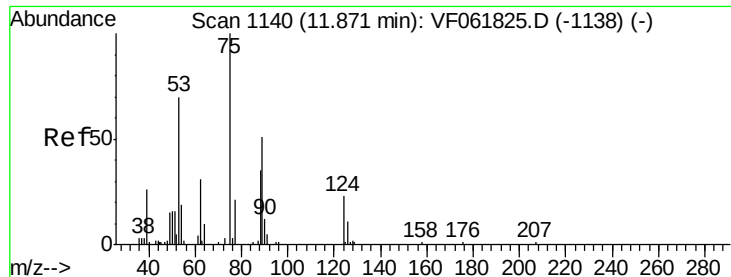
Tgt Ion: 105 Resp: 267346

Ion Ratio Lower Upper

105 100

120 49.7 27.4 82.2





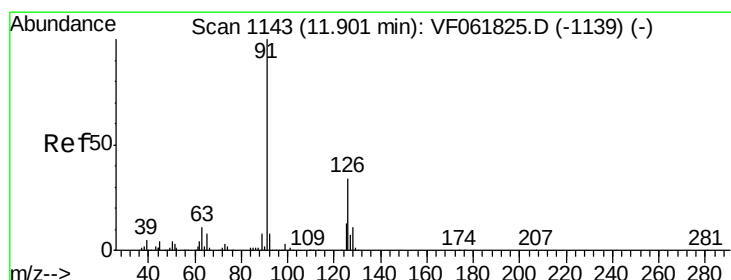
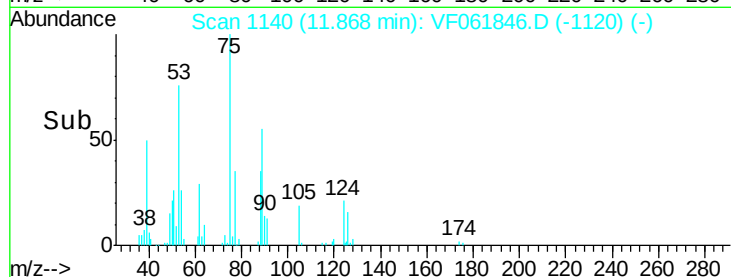
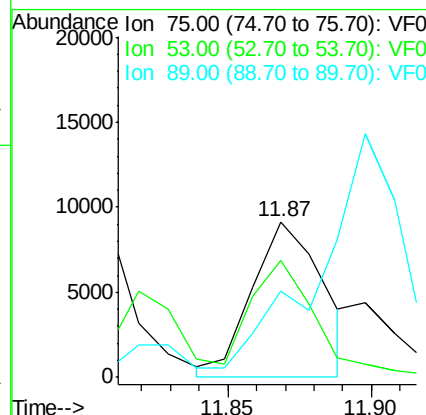
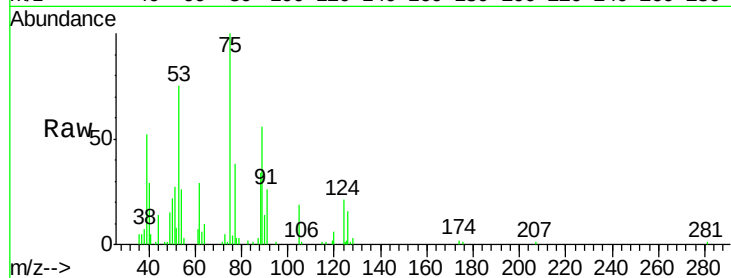
#81
trans-1,4-Dichloro-2-butene
Concen: 21.011 ug/l
RT: 11.87 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	75.2	58.6	88.0
89	55.6	41.4	62.0

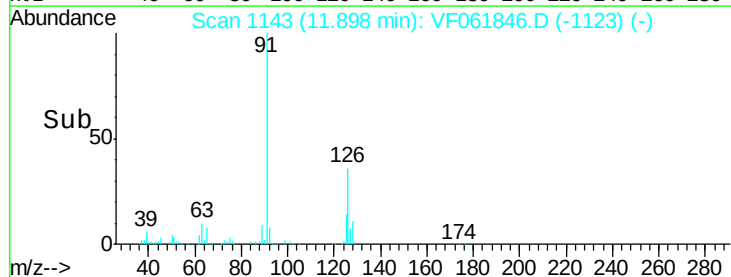
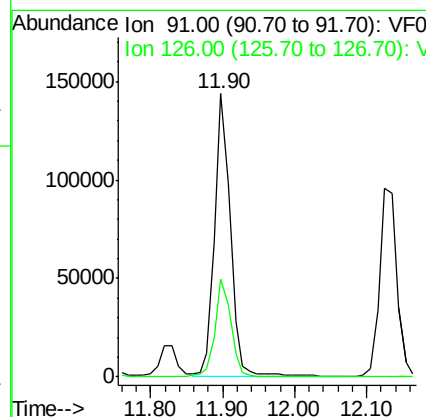
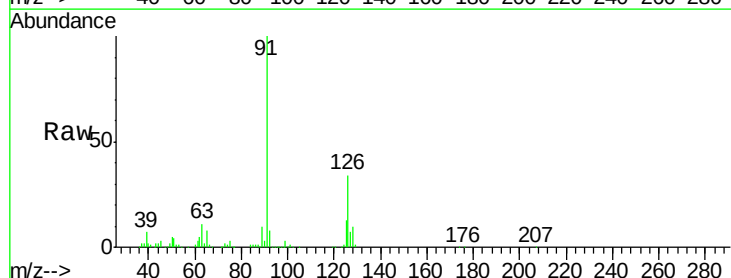
Manual Integrations
APPROVED

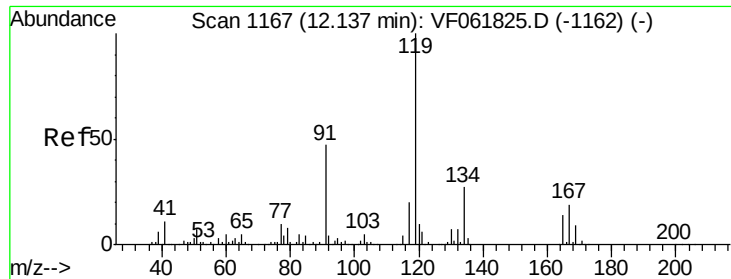
MMDadoda
3/8/2019 12:12:14 AM



#82
4-Chlorotoluene
Concen: 22.571 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.0	50.9





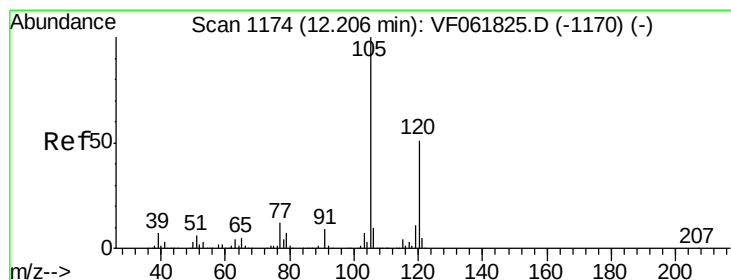
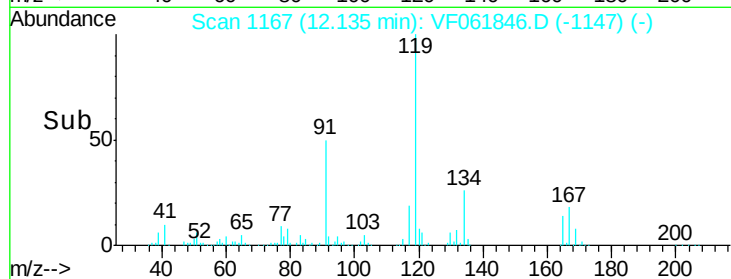
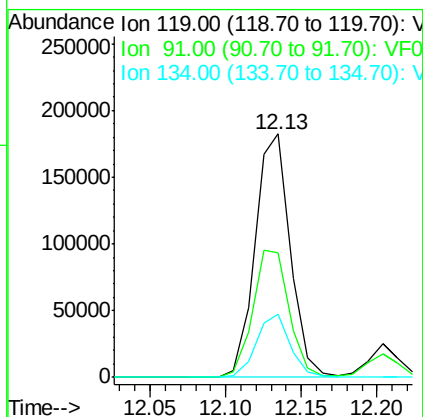
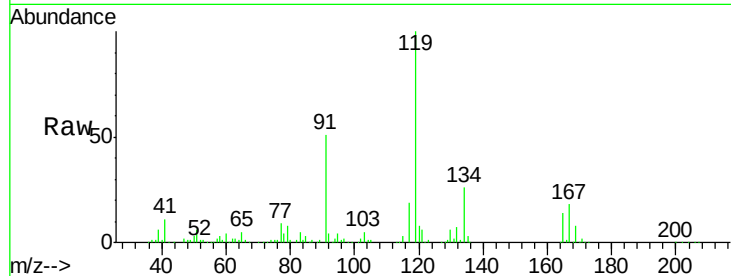
#83
tert-Butylbenzene
Concen: 23.816 ug/l
RT: 12.13 min Scan# 1167
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295938		
91	51.2		23.5	70.5
134	25.9		13.3	39.8

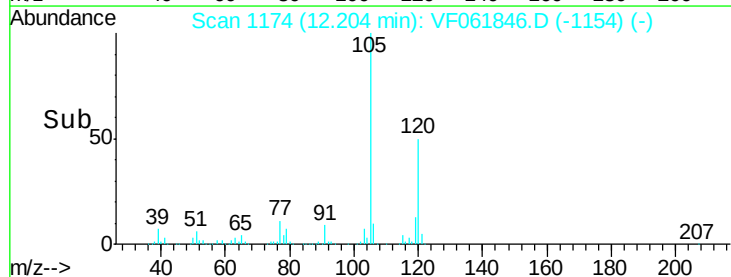
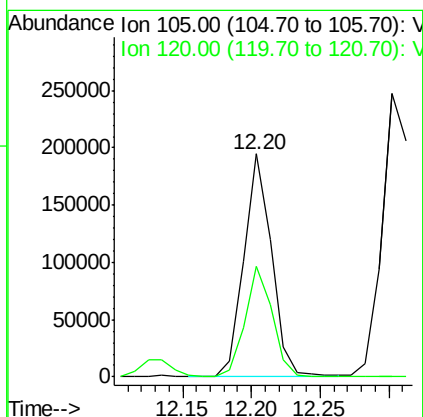
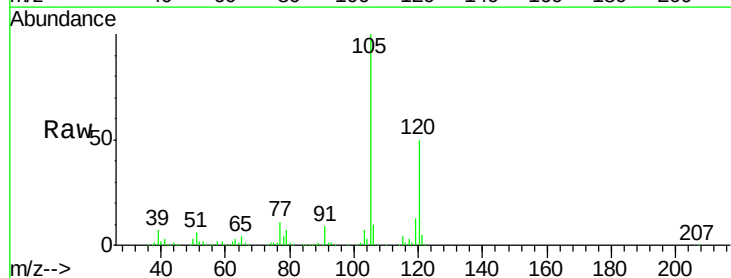
Manual Integrations
APPROVED

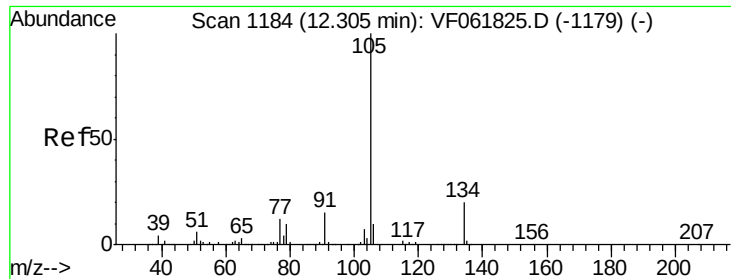
MMDadoda
3/8/2019 12:12:14 AM



#84
1,2,4-Trimethylbenzene
Concen: 23.904 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	274221		
120	49.7		25.8	77.4





#85

sec-Butylbenzene

Concen: 23.290 ug/l

RT: 12.30 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

ClientSampleId :

VF0305SBSD01

Tot Ion:105 Resp: 376604

Ion Ratio Lower Upper

105 100

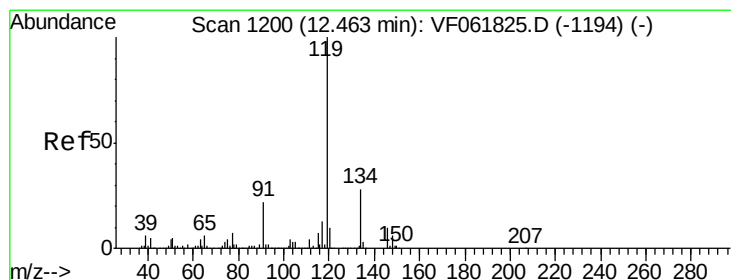
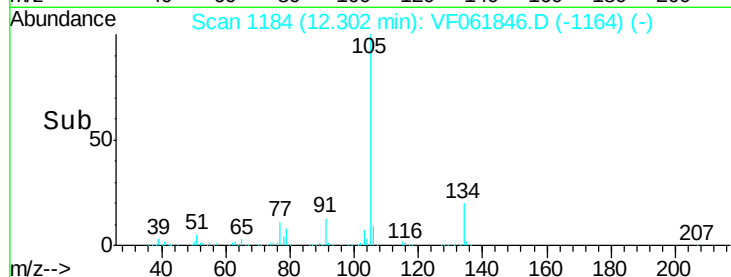
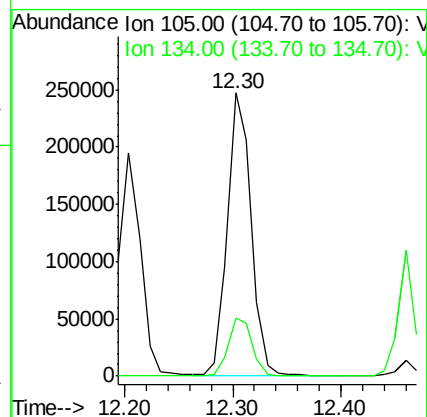
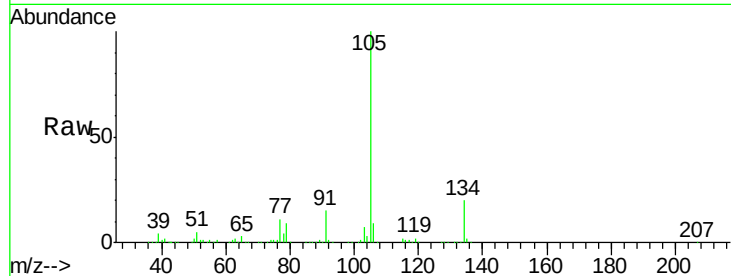
134 20.4 9.8 29.5

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:12:14 AM



#86

p-Isopropyltoluene

Concen: 31.106 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

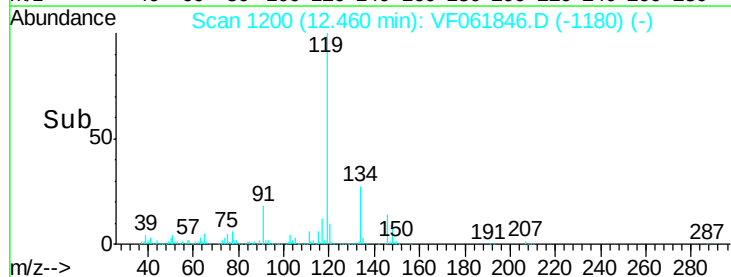
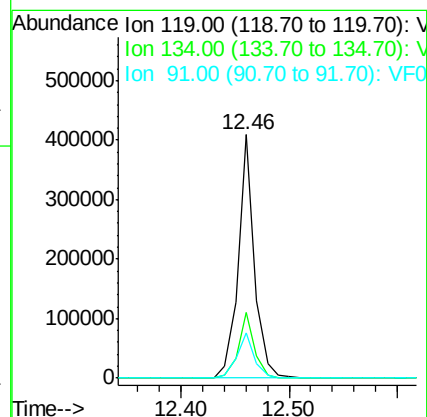
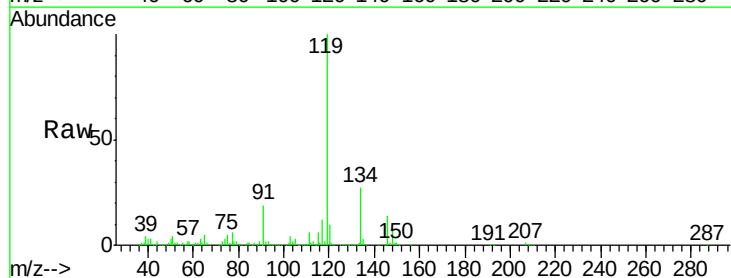
Tgt Ion:119 Resp: 427551

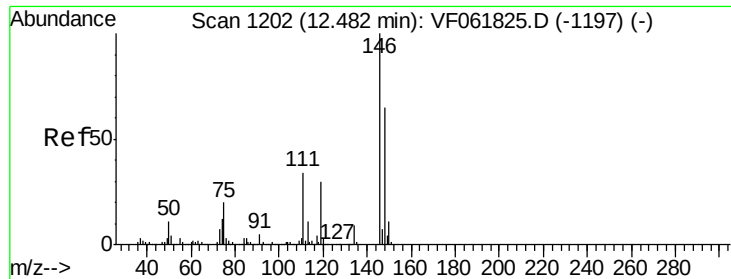
Ion Ratio Lower Upper

119 100

134 27.0 14.0 42.0

91 18.5 11.1 33.3





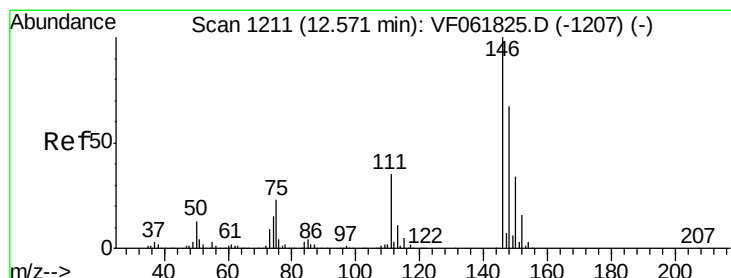
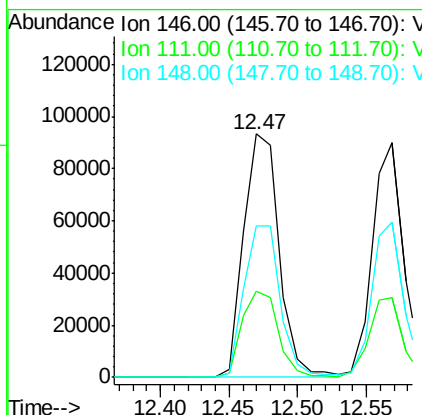
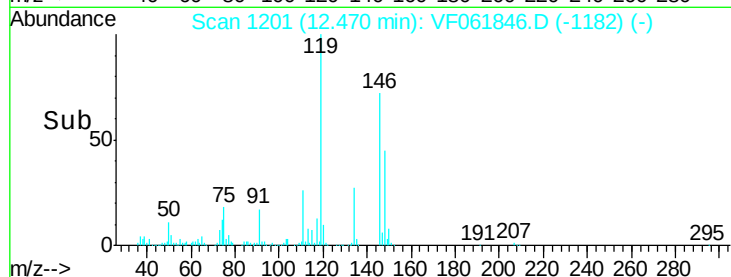
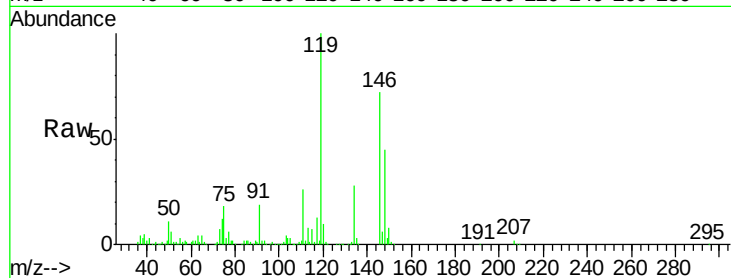
#87
 1,3-Dichlorobenzene
 Concen: 25.304 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.0	51.0
148	62.2	32.5	97.5

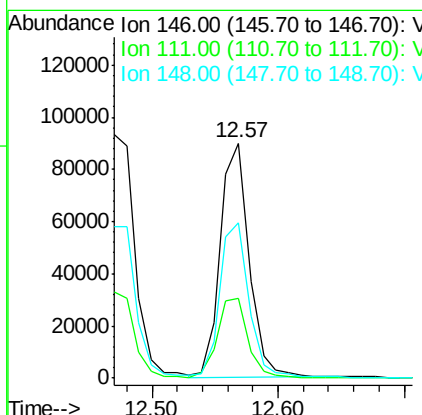
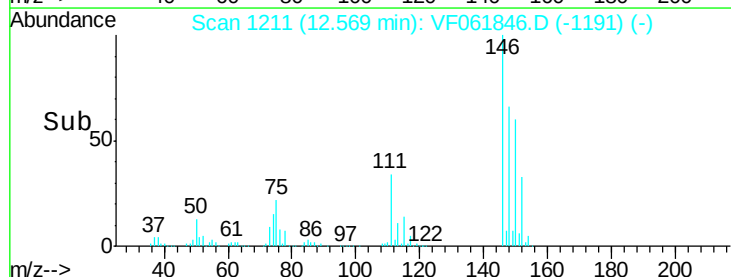
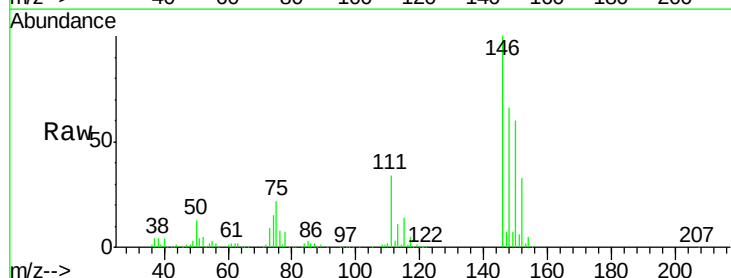
Manual Integrations
 APPROVED

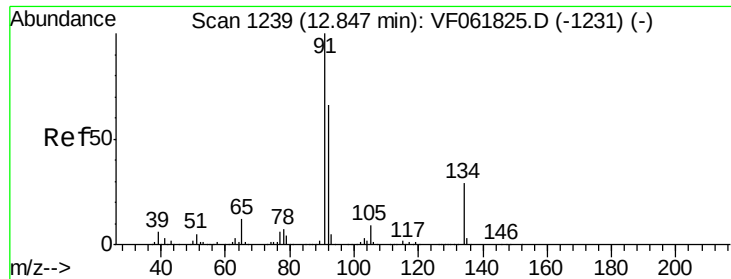
MMDadoda
 3/8/2019 12:12:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.212 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	17.6	52.9
148	66.2	33.5	100.4





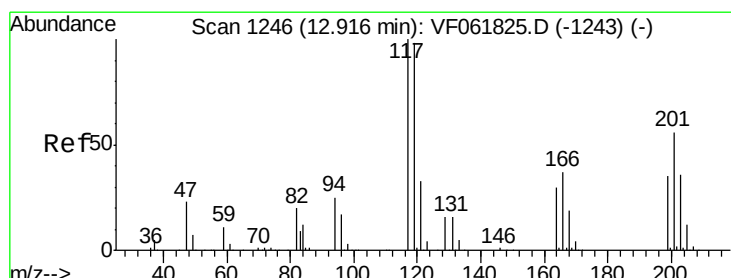
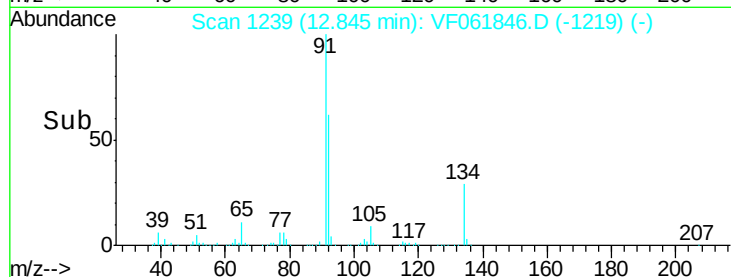
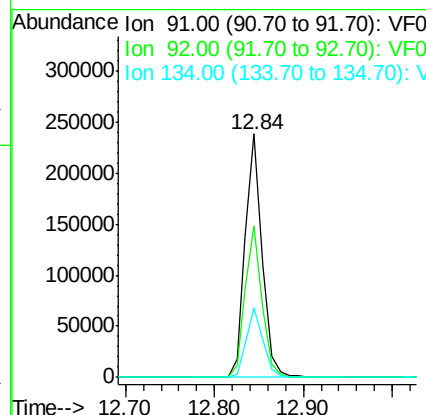
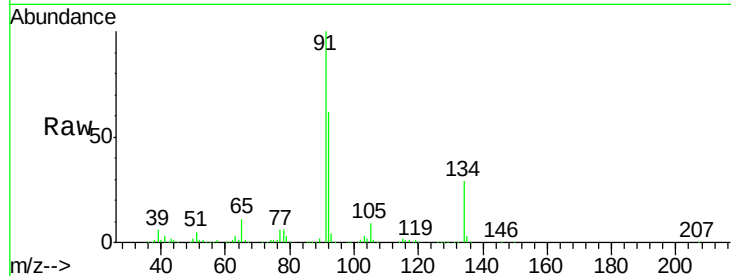
#89
n-Butylbenzene
Concen: 24.159 ug/l
RT: 12.84 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Instrument :
MSVOA_F
ClientSampleId :
VF0305SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		317347		
92	62.3	32.9	98.6		
134	28.7	14.5	43.6		

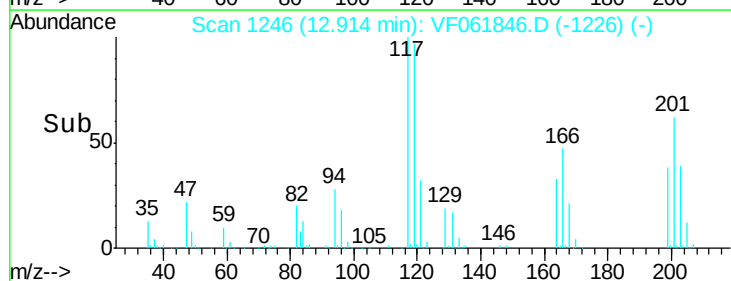
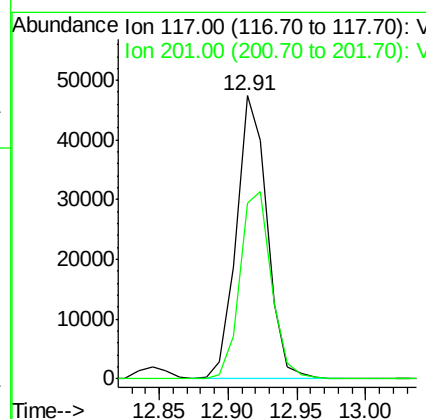
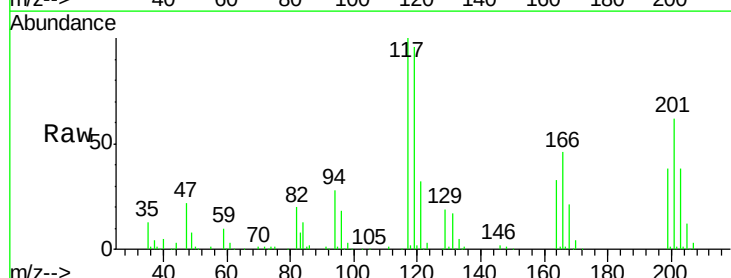
Manual Integrations
APPROVED

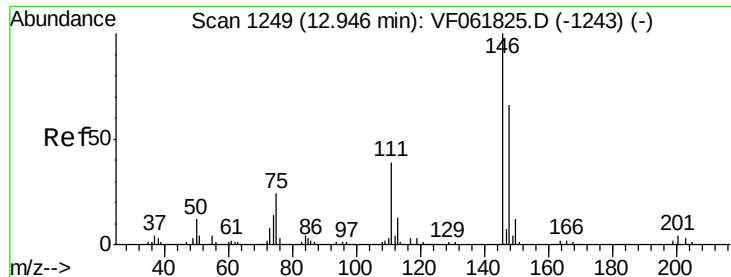
MMDadoda
3/8/2019 12:12:14 AM



#90
Hexachloroethane
Concen: 22.353 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061846.D
Acq: 5 Mar 2019 15:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		73953		
201	62.1	27.8	83.4		





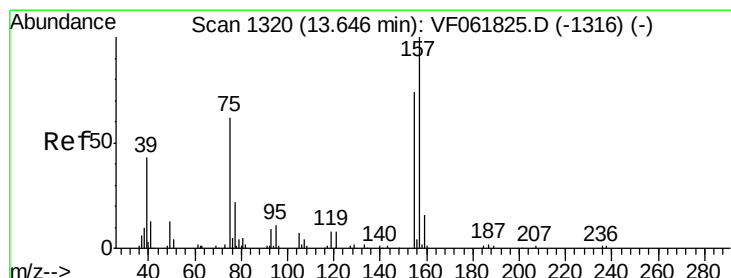
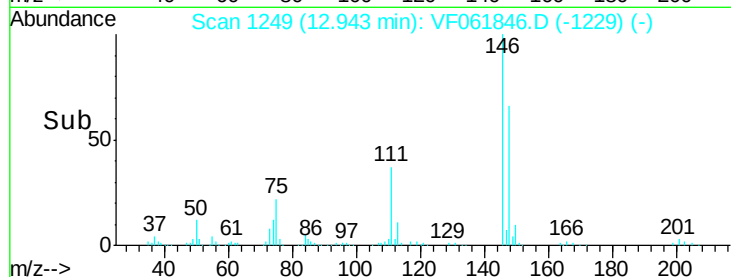
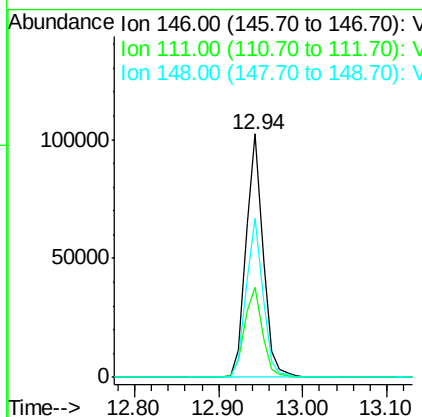
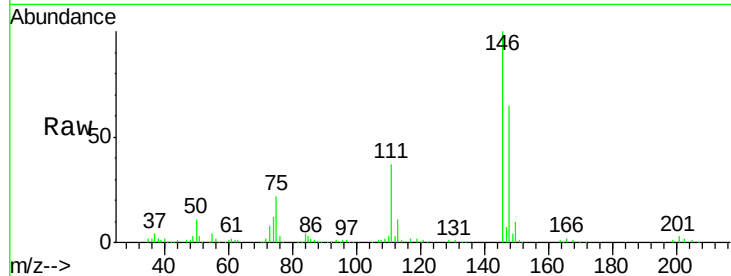
#91
 1,2-Dichlorobenzene
 Concen: 23.078 ug/l
 RT: 12.94 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	145637		
111	36.9	19.4	58.4	
148	65.5	33.0	98.9	

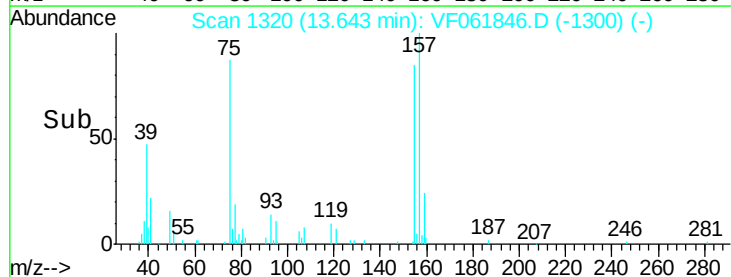
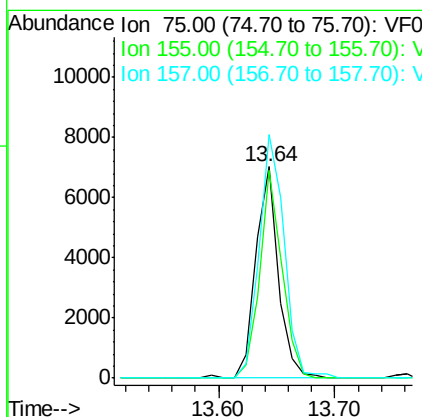
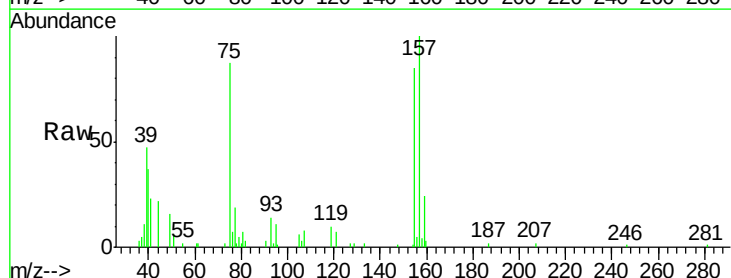
Manual Integrations
 APPROVED

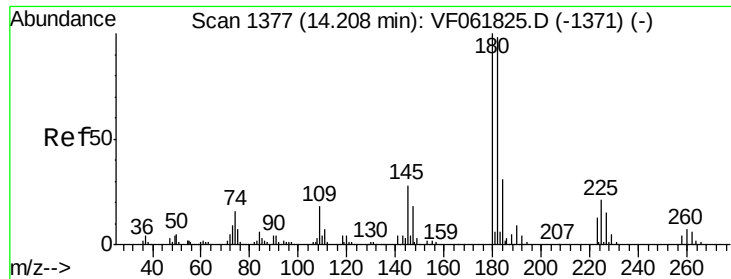
MMDadoda
 3/8/2019 12:12:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.572 ug/l
 RT: 13.64 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9465		
155	98.2	59.8	179.4	
157	115.2	81.2	243.4	





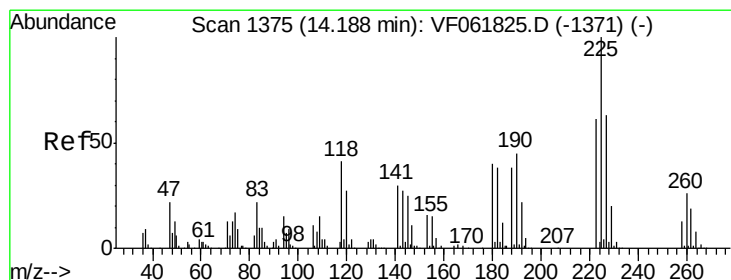
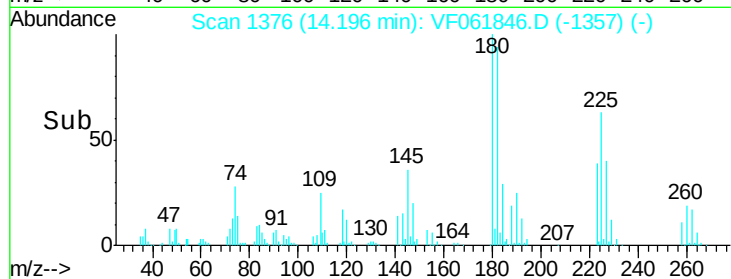
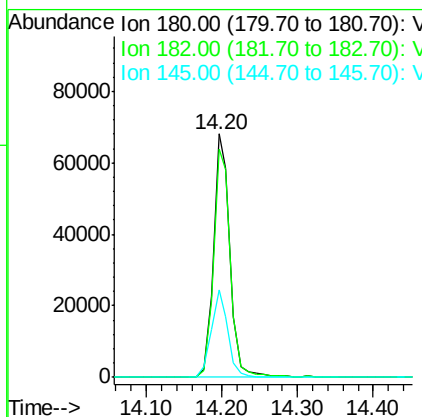
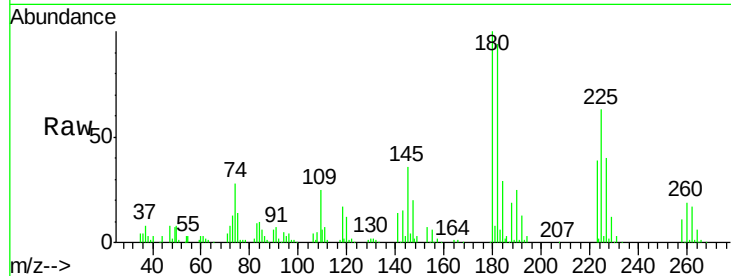
#93
 1,2,4-Trichlorobenzene
 Concen: 23.774 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105181		
182	93.8	49.0	147.2	
145	35.8	14.1	42.4	

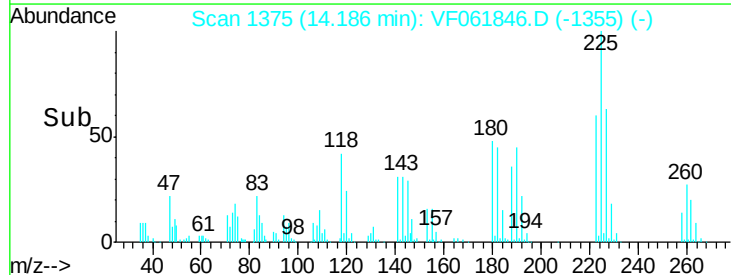
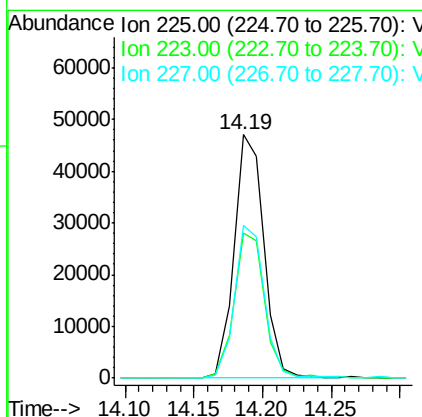
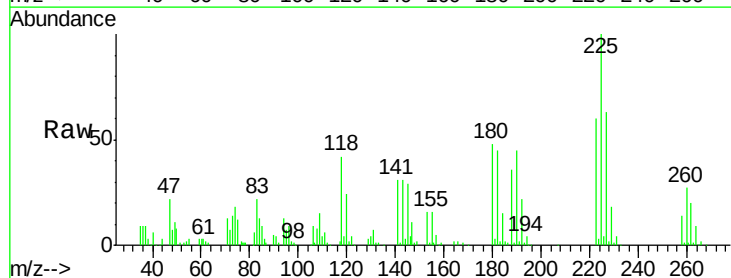
Manual Integrations
 APPROVED

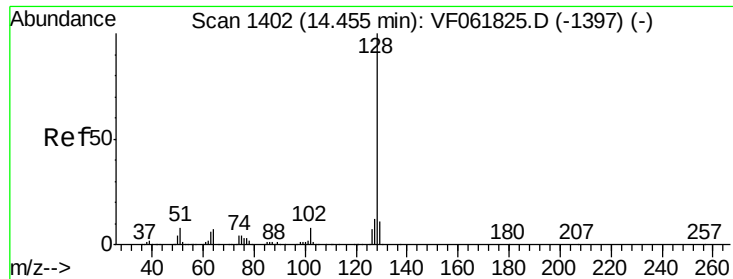
MMDadoda
 3/8/2019 12:12:14 AM



#94
 Hexachlorobutadiene
 Concen: 23.188 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061846.D
 Acq: 5 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71020		
223	59.8	30.3	90.9	
227	62.8	31.3	93.8	





#95

Naphthalene

Concen: 20.596 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Instrument :

MSVOA_F

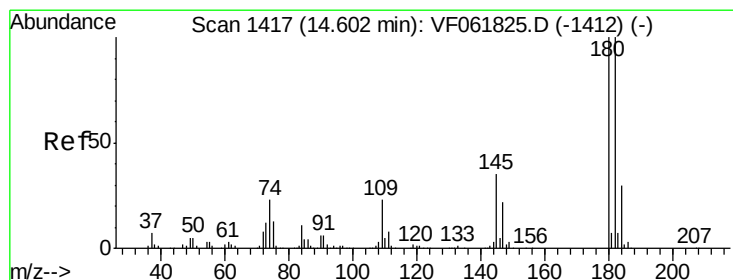
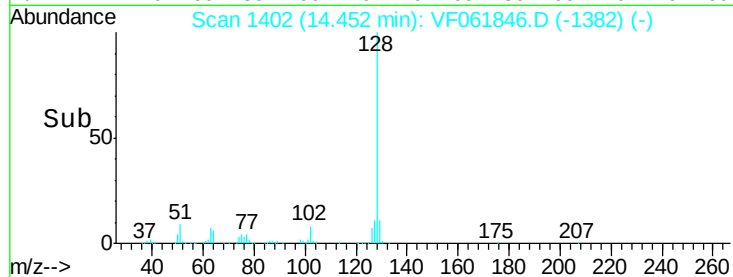
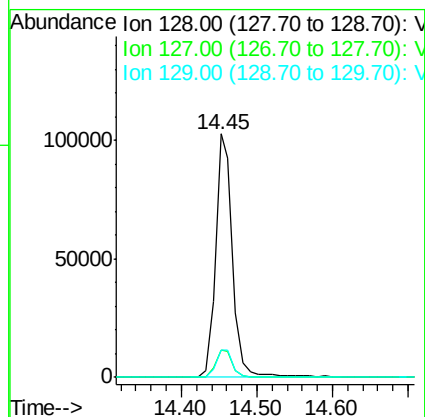
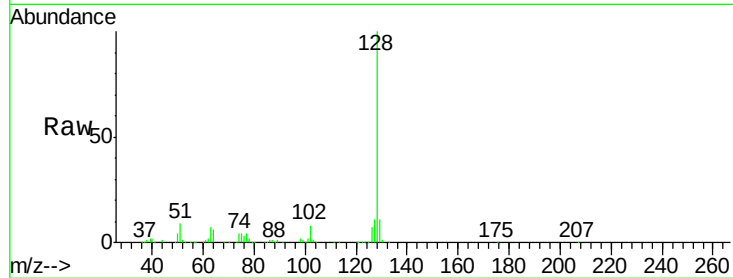
ClientSampleId :

VF0305SBS01

Tot Ion:	128	Resp:	162293
Ion Ratio	Lower	Upper	
128	100		
127	11.5	9.3	13.9
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:12:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.536 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF061846.D

Acq: 5 Mar 2019 15:40

Tgt Ion:	180	Resp:	92058
Ion Ratio	Lower	Upper	
180	100		
182	95.0	50.2	150.7
145	32.3	17.5	52.5

