

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060952.D
 Acq On : 10 Dec 2018 14:30
 Operator : VA/AP
 Sample : VF1210SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:15:36 PM

Quant Time: Dec 11 06:11:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	187453	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	314605	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	292234	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	160474	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	119637	54.18	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	108.36%	
35) Dibromofluoromethane	4.11	113	129334	51.82	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.64%	
50) Toluene-d8	7.55	98	364690	49.60	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.41	95	165078	49.40	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	98.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	62265	22.215	ug/l	91
3) Chloromethane	1.11	50	40630	22.277	ug/l	99
4) Vinyl Chloride	1.14	62	42495	24.979	ug/l	93
5) Bromomethane	1.33	94	29997	25.006	ug/l	87
6) Chloroethane	1.39	64	18195	24.742	ug/l	92
7) Trichlorofluoromethane	1.49	101	88176m	24.157	ug/l	
8) Diethyl Ether	1.63	74	12378	23.582	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	46709	25.312	ug/l	94
10) Methyl Iodide	1.91	142	71620m	25.534	ug/l	
11) Tert butyl alcohol	2.58	59	11248	124.257	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	35045	23.611	ug/l	97
13) Acrolein	2.00	56	7819	91.166	ug/l	98
14) Allyl chloride	2.10	41	43084	23.289	ug/l	99
15) Acrylonitrile	2.95	53	27604	136.019	ug/l	85
16) Acetone	2.24	43	54459	133.735	ug/l	98
17) Carbon Disulfide	1.83	76	101337m	25.463	ug/l	
18) Methyl Acetate	2.34	43	20745	29.695	ug/l #	84
19) Methyl tert-butyl Ether	2.43	73	78476	23.475	ug/l	100
20) Methylene Chloride	2.24	84	38976m	26.090	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	37119m	25.940	ug/l	
22) Diisopropyl ether	2.80	45	125119	24.846	ug/l	95
23) Vinyl Acetate	3.19	43	308019	133.813	ug/l #	96
24) 1,1-Dichloroethane	2.87	63	72438	24.178	ug/l	98
25) 2-Butanone	4.35	43	88261	125.310	ug/l	93
26) 2,2-Dichloropropane	3.60	77	50026	25.755	ug/l	100
27) cis-1,2-Dichloroethene	3.47	96	59459	25.523	ug/l	97
28) Bromochloromethane	3.71	49	37405	26.014	ug/l	87
29) Tetrahydrofuran	4.08	42	35651	119.410	ug/l	96
30) Chloroform	3.86	83	109647	23.779	ug/l	99
31) Cyclohexane	3.69	56	79228m	25.481	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	72330	22.618	ug/l	98
36) 1,1-Dichloropropene	4.28	75	86258	24.719	ug/l	97
37) Ethyl Acetate	4.11	43	32602	22.991	ug/l #	91
38) Carbon Tetrachloride	3.98	117	69868	22.669	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060952.D
 Acq On : 10 Dec 2018 14:30
 Operator : VA/AP
 Sample : VF1210SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF1210SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:15:36 PM

Quant Time: Dec 11 06:11:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	79377	21.706	ug/l	96
40) Benzene	4.63	78	181818	23.585	ug/l	100
41) Methacrylonitrile	4.74	41	20061	25.417	ug/l #	91
42) 1,2-Dichloroethane	4.94	62	66942	23.786	ug/l	97
43) Isopropyl Acetate	6.96	43	40981	21.894	ug/l #	93
44) Trichloroethene	5.50	130	58924	23.377	ug/l	94
45) 1,2-Dichloropropane	6.23	63	50015	24.981	ug/l	96
46) Dibromomethane	6.08	93	31055	22.865	ug/l	96
47) Bromodichloromethane	6.38	83	86298	23.923	ug/l	98
48) Methyl methacrylate	6.71	41	30608	23.846	ug/l	94
49) 1,4-Dioxane	6.70	88	4341	462.100	ug/l #	82
51) 4-Methyl-2-Pentanone	8.26	43	146892	112.332	ug/l	100
52) Toluene	7.62	92	113281	20.920	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	69375	23.643	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	81817	22.524	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	36227	22.960	ug/l	97
56) Ethyl methacrylate	8.62	69	40684	23.211	ug/l	98
57) 1,3-Dichloropropane	8.85	76	63455	22.987	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	25248	140.827	ug/l	99
59) 2-Hexanone	9.49	43	117440	128.014	ug/l	93
60) Dibromochloromethane	8.72	129	52487	22.326	ug/l	99
61) 1,2-Dibromoethane	8.98	107	38197	22.409	ug/l	96
64) Tetrachloroethene	8.15	164	51501	23.073	ug/l	97
65) Chlorobenzene	9.80	112	134150	23.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	56955	23.304	ug/l	94
67) Ethyl Benzene	9.90	91	257835	24.361	ug/l	100
68) m/p-Xylenes	10.13	106	183079	48.095	ug/l	96
69) o-Xylene	10.71	106	96917	23.089	ug/l	90
70) Styrene	10.79	104	145134	24.943	ug/l	97
71) Bromoform	10.77	173	27444	23.247	ug/l	99
73) Isopropylbenzene	11.12	105	299051	23.582	ug/l	99
74) N-amyl acetate	11.37	43	65065	22.219	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	49235	23.590	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	35243	23.231	ug/l	99
77) Bromobenzene	11.50	156	62953	22.643	ug/l	95
78) n-propylbenzene	11.60	91	356912	24.033	ug/l	96
79) 2-Chlorotoluene	11.71	91	196961	23.130	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	230872	22.426	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	19378m	26.070	ug/l	
82) 4-Chlorotoluene	11.90	91	216211	24.127	ug/l	91
83) tert-Butylbenzene	12.13	119	259679	24.762	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	234325	22.806	ug/l	98
85) sec-Butylbenzene	12.31	105	334257	23.284	ug/l	98
86) p-Isopropyltoluene	12.45	119	277978	23.096	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	122099	23.088	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	118573	23.007	ug/l	96
89) n-Butylbenzene	12.84	91	293087	24.082	ug/l	96
90) Hexachloroethane	12.92	117	64190	22.148	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	116630	23.288	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8815	21.845	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060952.D
Acq On : 10 Dec 2018 14:30
Operator : VA/AP
Sample : VF1210SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

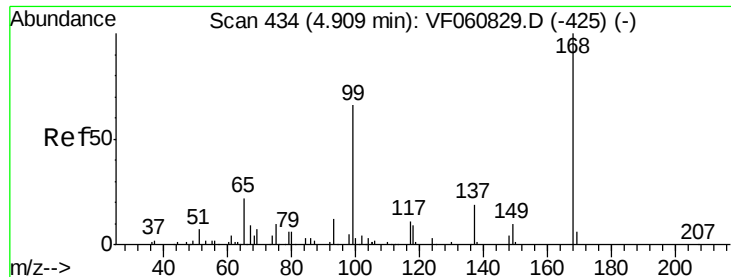
Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM

Quant Time: Dec 11 06:11:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	79964	22.851	ug/l	95
94) Hexachlorobutadiene	14.19	225	52252	22.400	ug/l	97
95) Naphthalene	14.46	128	142863	18.855	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	73113	22.502	ug/l	94

(#) = 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. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 168 Resp: 187453

Ion Ratio Lower Upper

168 100

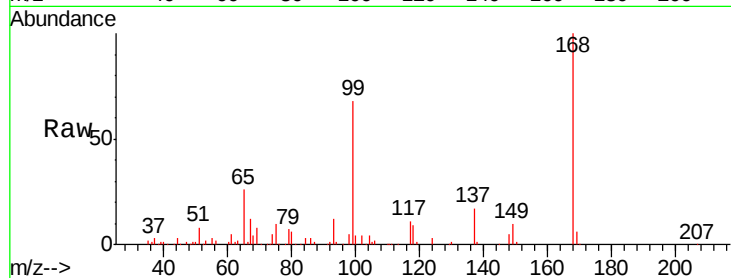
99 68.0 52.6 79.0

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

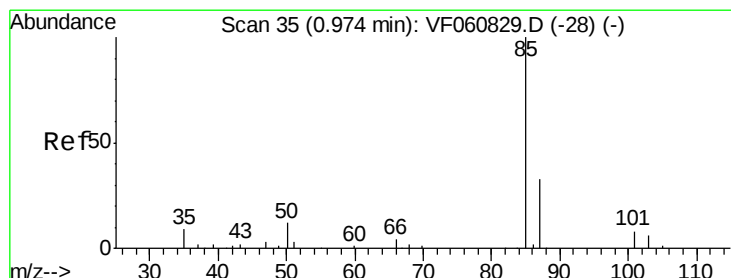
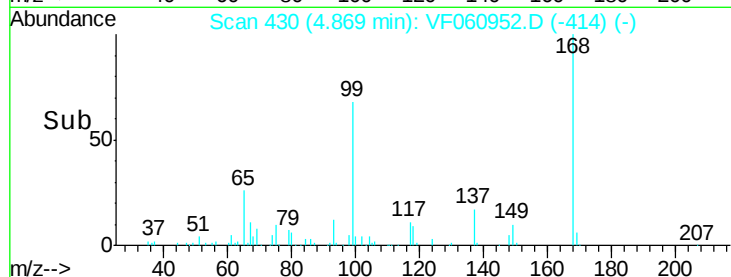
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.215 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060952.D

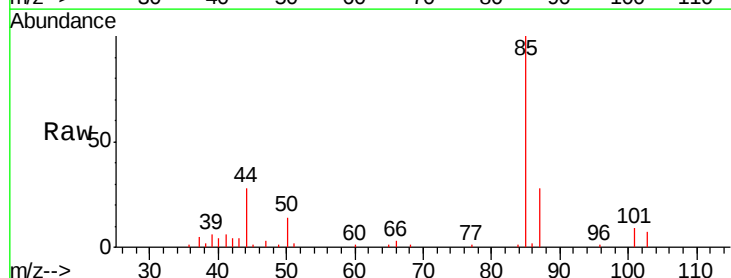
Acq: 10 Dec 2018 14:30

Tgt Ion: 85 Resp: 62265

Ion Ratio Lower Upper

85 100

87 27.9 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

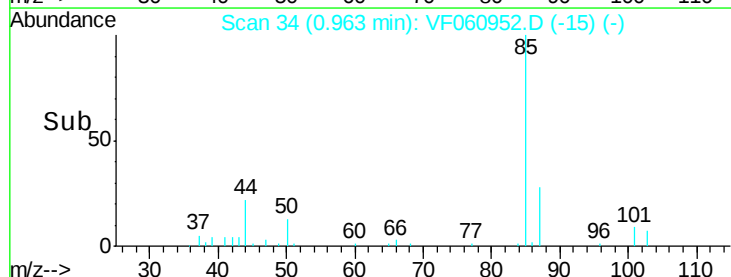
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.277 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 50 Resp: 40630

Ion Ratio Lower Upper

50 100

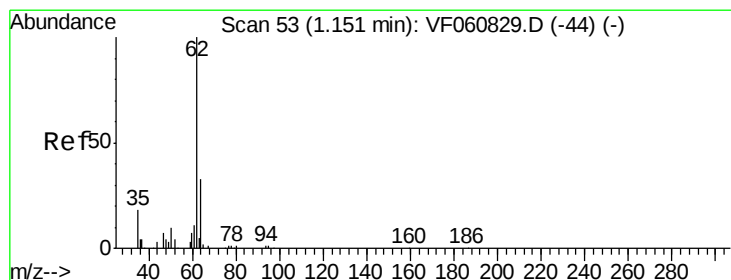
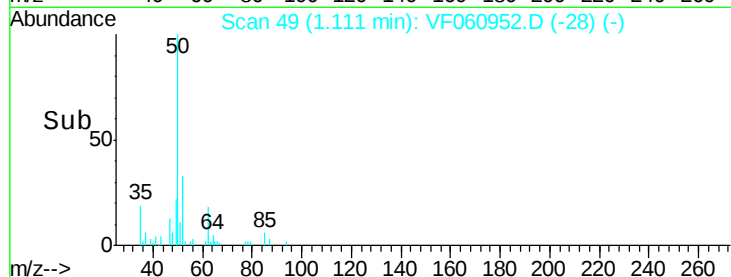
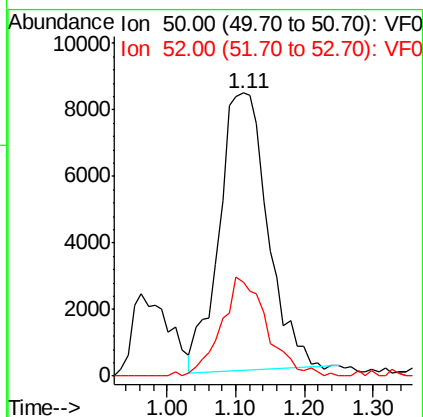
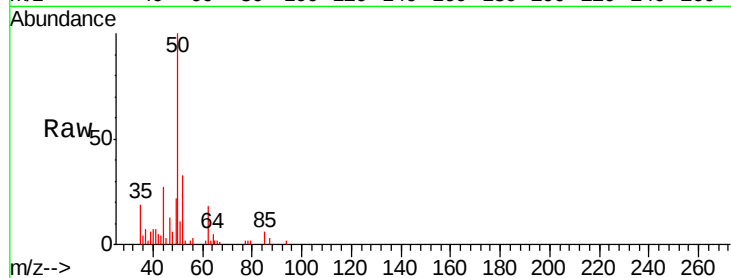
52 33.4 27.0 40.4

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



#4

Vinyl Chloride

Concen: 24.979 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060952.D

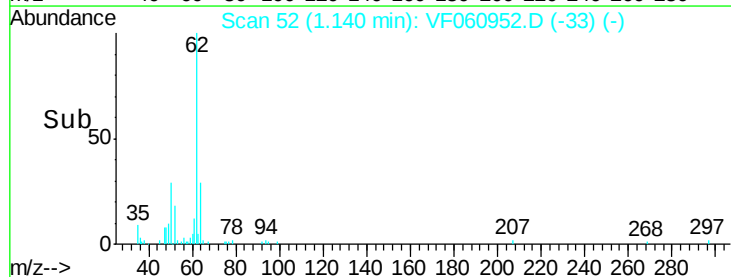
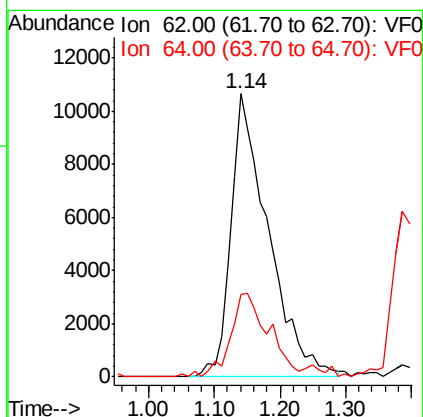
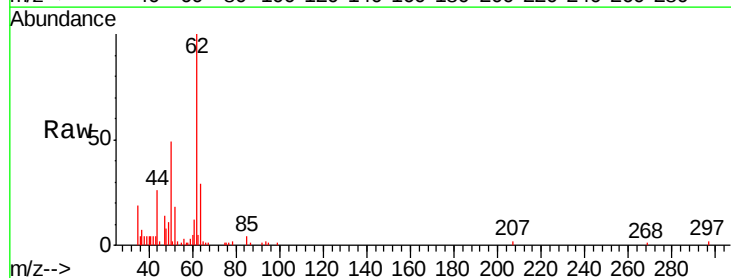
Acq: 10 Dec 2018 14:30

Tgt Ion: 62 Resp: 42495

Ion Ratio Lower Upper

62 100

64 29.3 26.4 39.6





#5

Bromomethane

Concen: 25.006 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 94 Resp: 29997

Ion Ratio Lower Upper

94 100

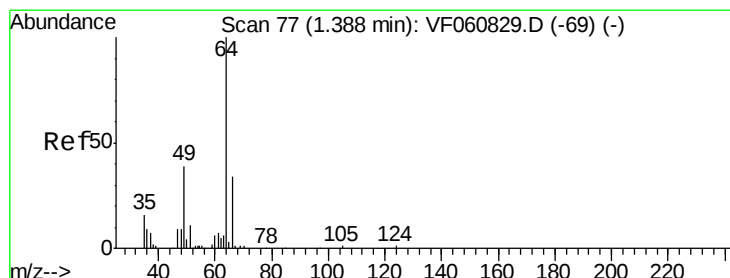
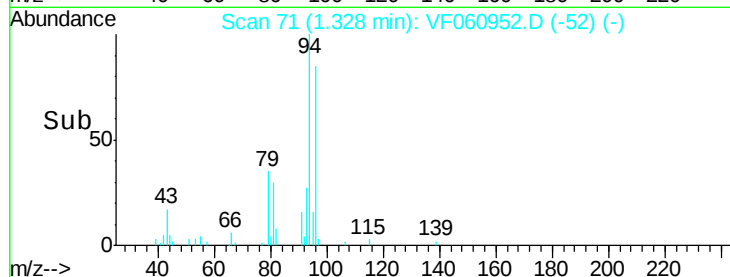
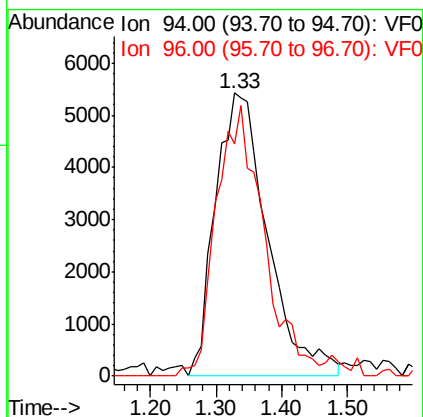
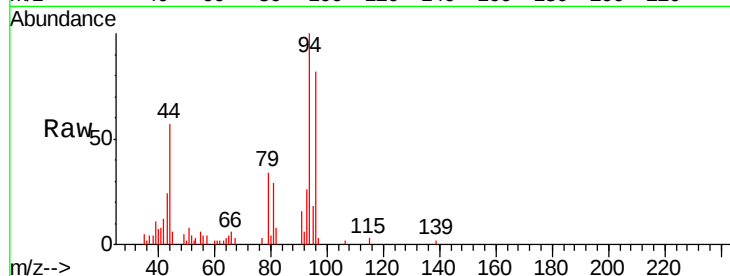
96 82.1 75.9 113.9

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



#6

Chloroethane

Concen: 24.742 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060952.D

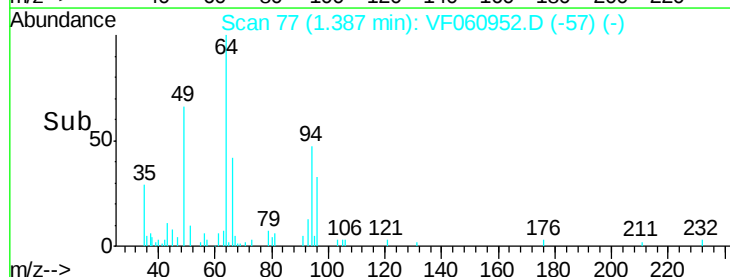
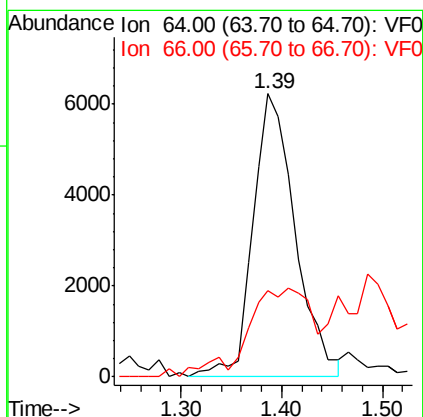
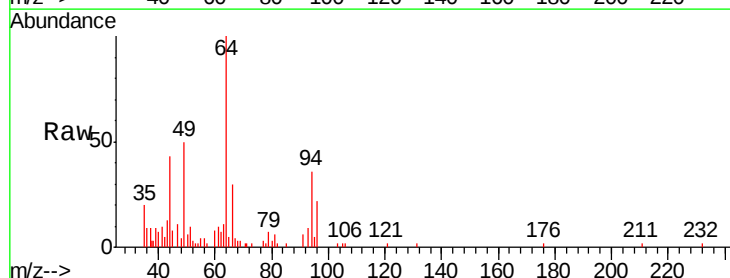
Acq: 10 Dec 2018 14:30

Tgt Ion: 64 Resp: 18195

Ion Ratio Lower Upper

64 100

66 30.3 28.1 42.1





#7

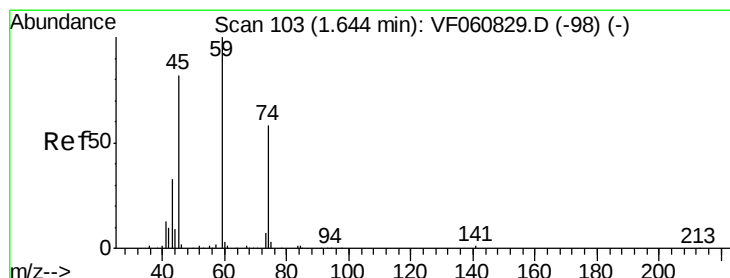
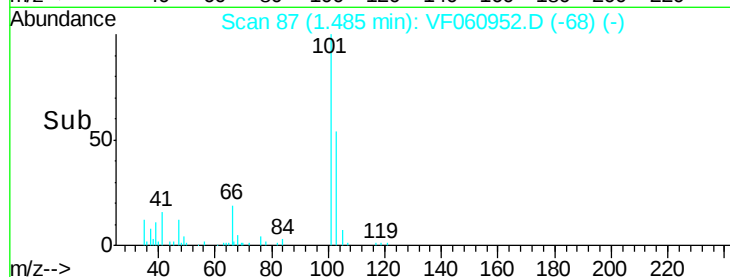
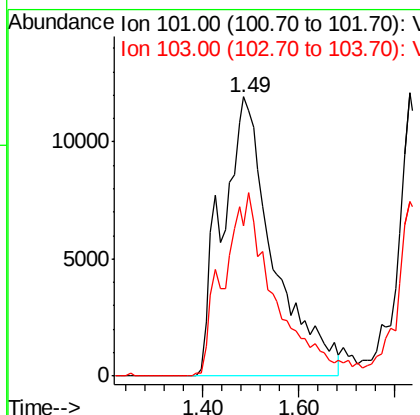
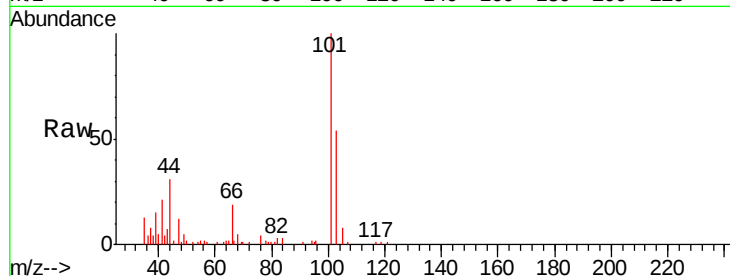
Trichlorofluoromethane
Concen: 24.157 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion:101 Resp: 88176
Ion Ratio Lower Upper
101 100
103 53.8 55.4 83.0#

Manual Integrations
APPROVED

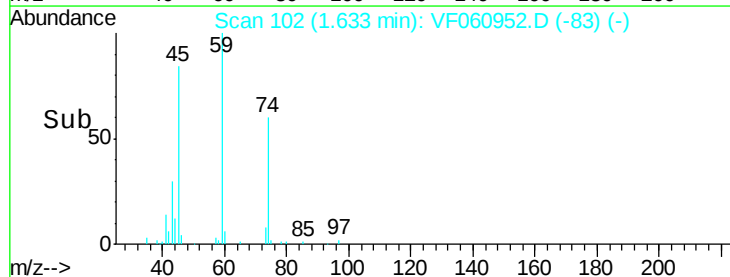
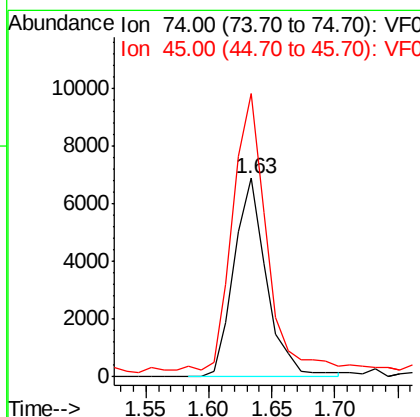
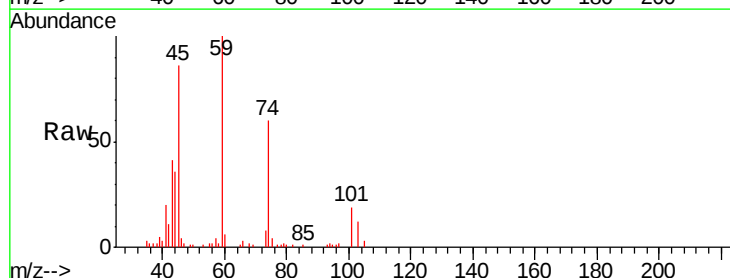
MMDadoda
12/11/2018 4:15:36 PM

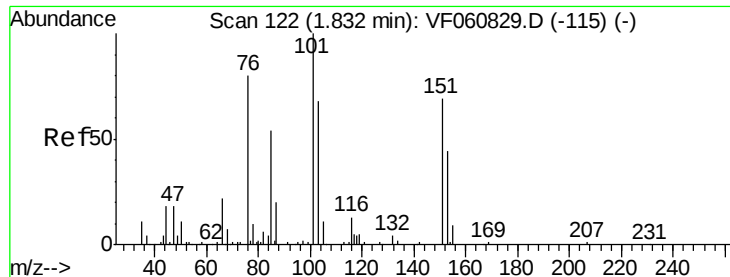


#8

Diethyl Ether
Concen: 23.582 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion: 74 Resp: 12378
Ion Ratio Lower Upper
74 100
45 142.5 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.312 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

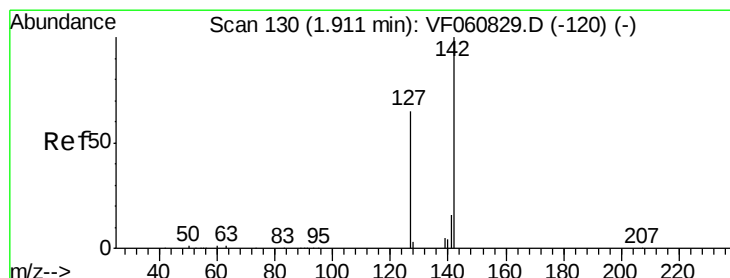
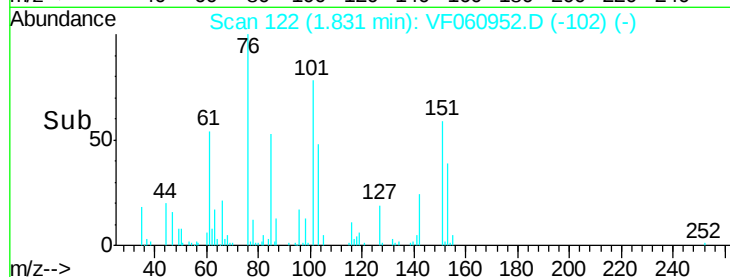
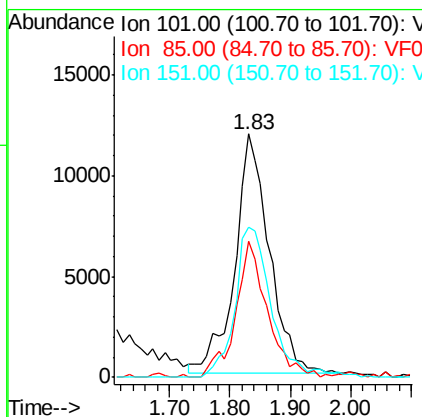
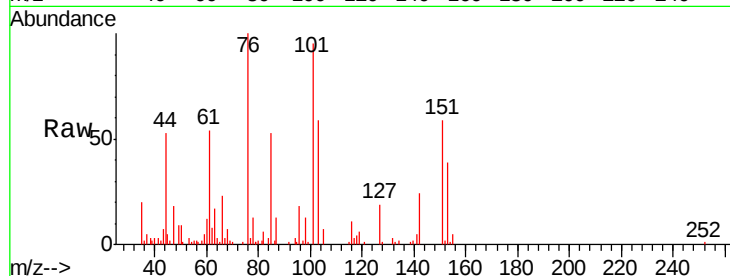
ClientSampleId :

VF1210SBS01

Tgt Ion:	101	Resp:	46709
Ion Ratio	Lower	Upper	
101	100		
85	56.1	42.8	64.2
151	61.9	54.4	81.6

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#10

Methyl Iodide

Concen: 25.534 ug/l m

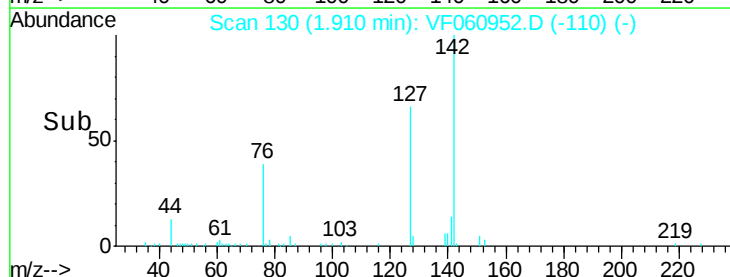
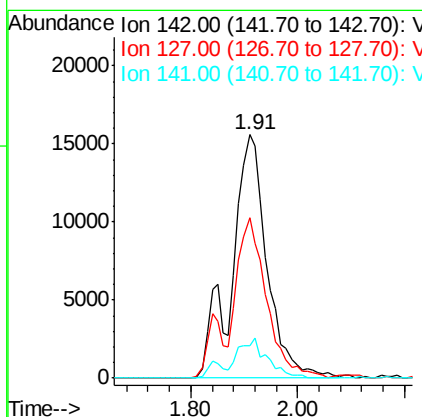
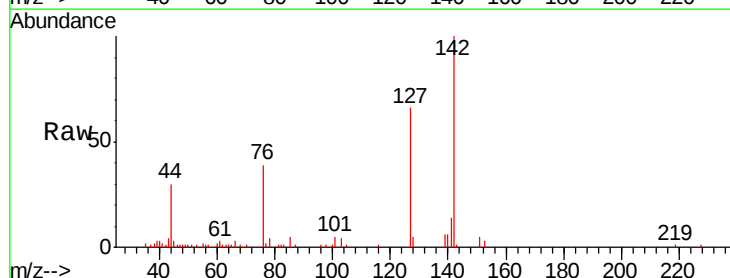
RT: 1.91 min Scan# 130

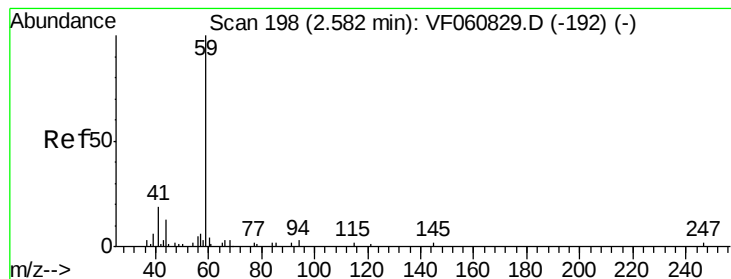
Delta R.T. -0.00 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	142	Resp:	71620
Ion Ratio	Lower	Upper	
142	100		
127	65.7	51.9	77.9
141	13.5	12.7	19.1





#11

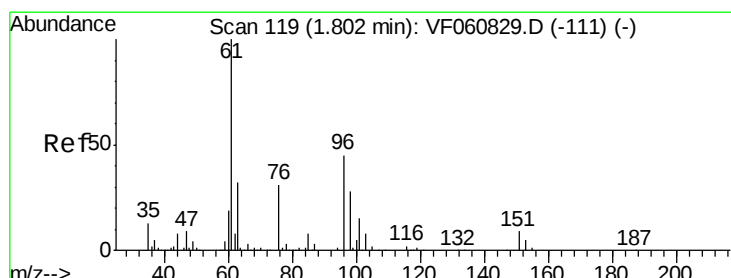
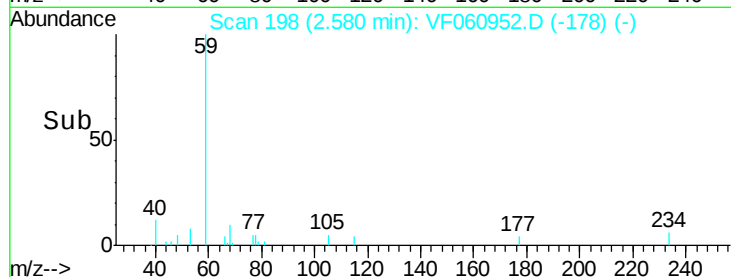
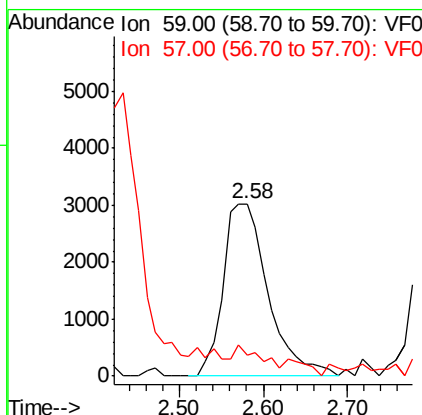
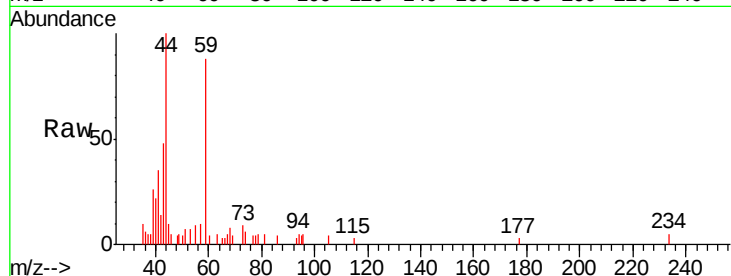
Tert butyl alcohol
 Concen: 124.257 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBS01

Tgt Ion: 59 Resp: 11248
 Ion Ratio Lower Upper
 59 100
 57 11.8 12.7 19.1#

Manual Integrations
 APPROVED

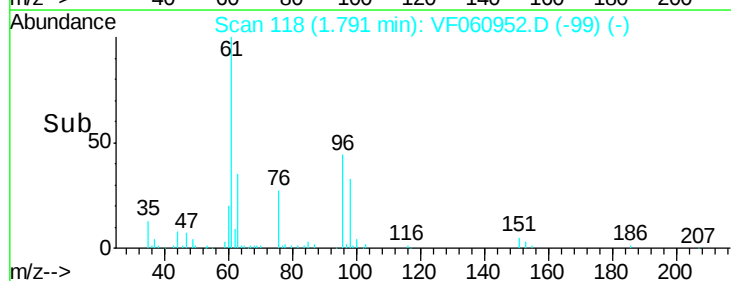
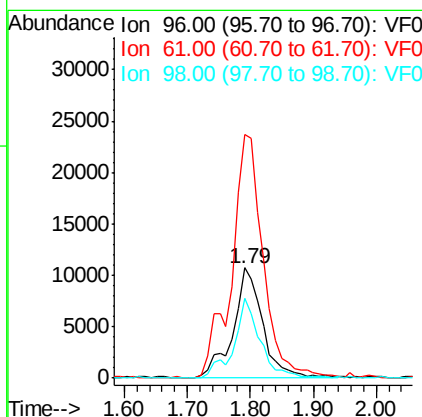
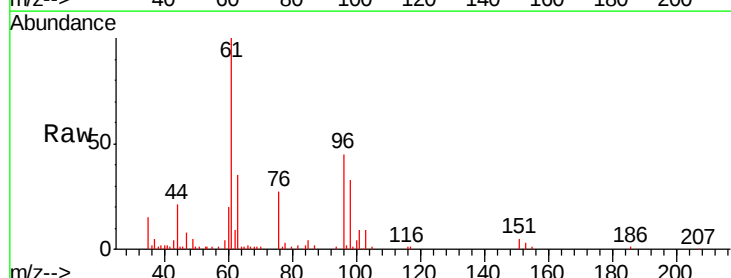
MMDadoda
 12/11/2018 4:15:36 PM

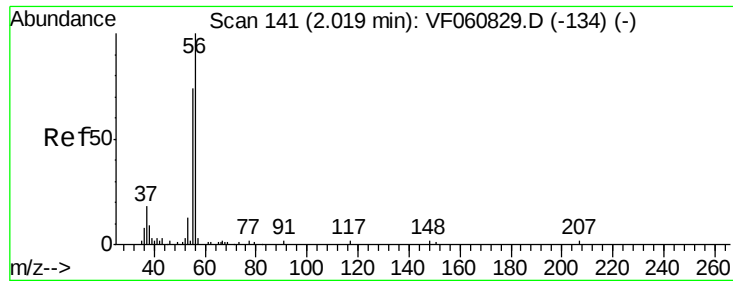


#12

1,1-Dichloroethene
 Concen: 23.611 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Tgt Ion: 96 Resp: 35045
 Ion Ratio Lower Upper
 96 100
 61 220.8 177.3 265.9
 98 72.7 49.6 74.4





#13

Acrolein

Concen: 91.166 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 56 Resp: 7819

Ion Ratio Lower Upper

56 100

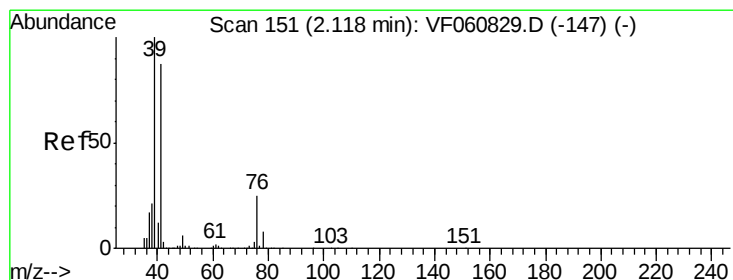
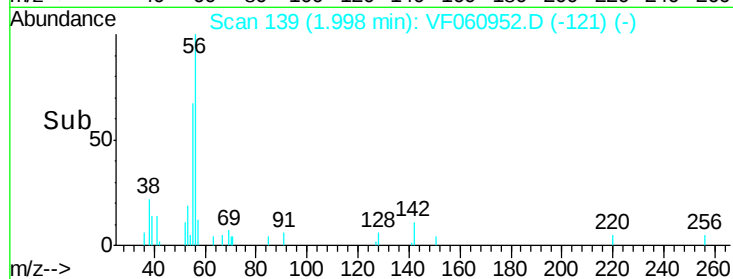
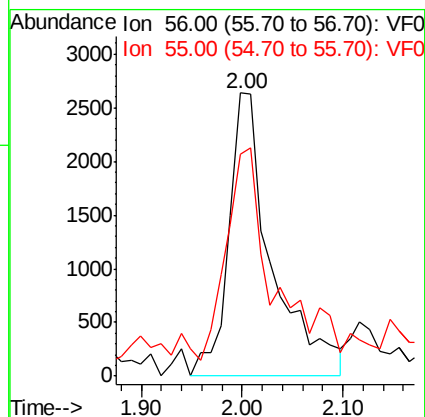
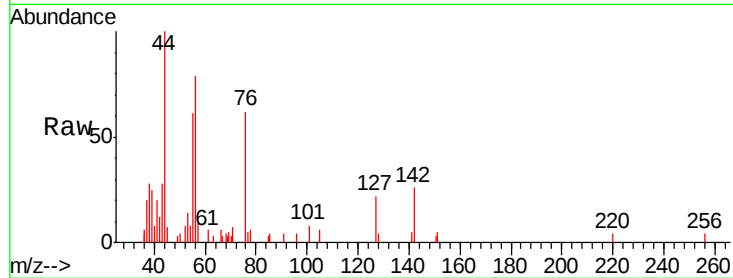
55 78.3 61.2 91.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



#14

Allyl chloride

Concen: 23.289 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

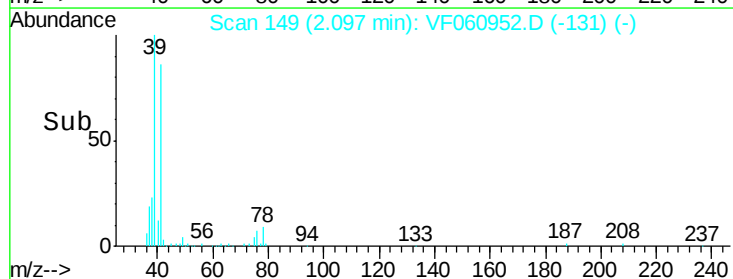
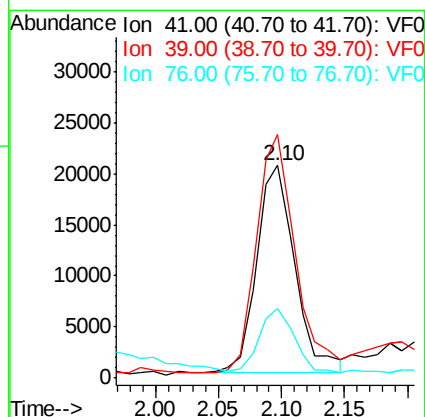
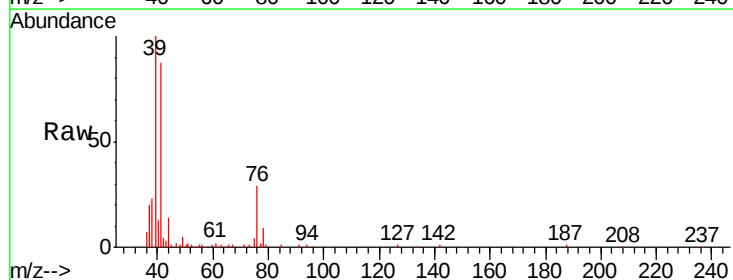
Tgt Ion: 41 Resp: 43084

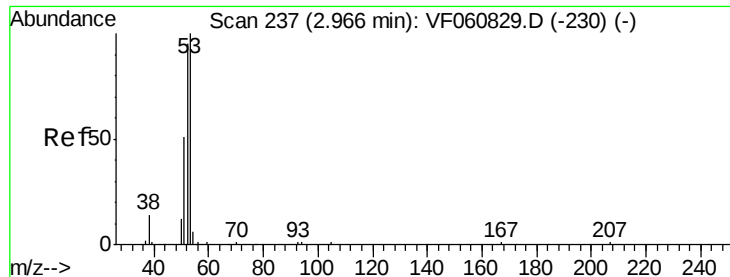
Ion Ratio Lower Upper

41 100

39 114.6 91.7 137.5

76 32.8 23.5 35.3





#15

Acrylonitrile

Concen: 136.019 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

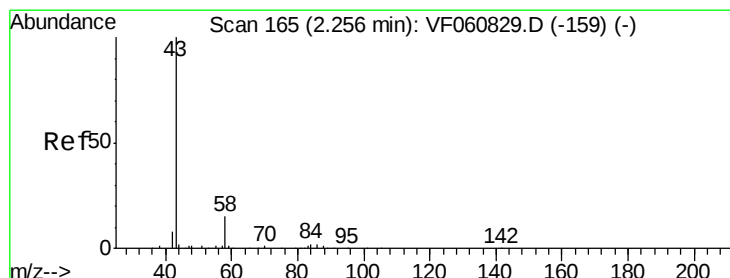
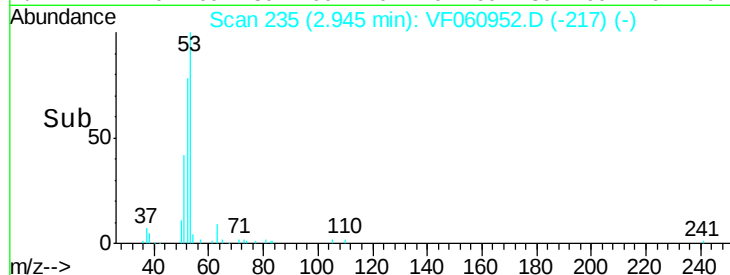
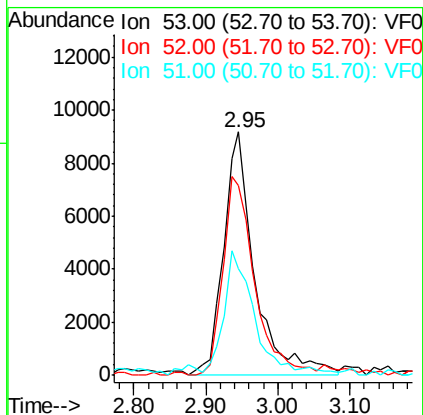
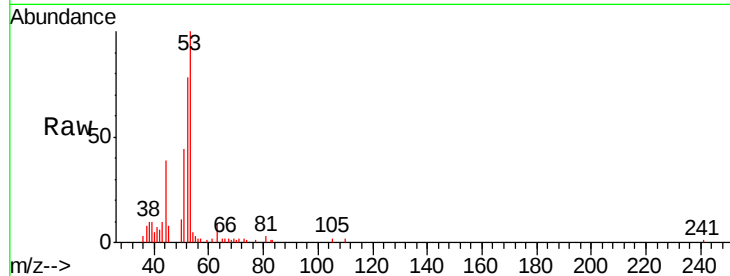
ClientSampleId :

VF1210SBS01

Tgt Ion:	53	Resp:	27604
Ion	Ratio	Lower	Upper
53	100		
52	77.9	76.5	114.7
51	43.7	40.7	61.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#16

Acetone

Concen: 133.735 ug/l

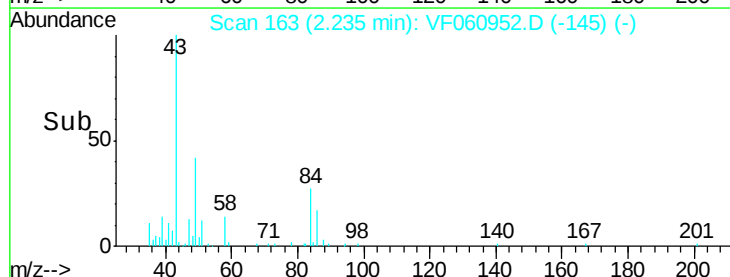
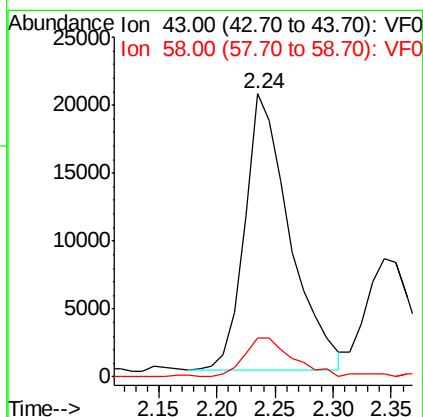
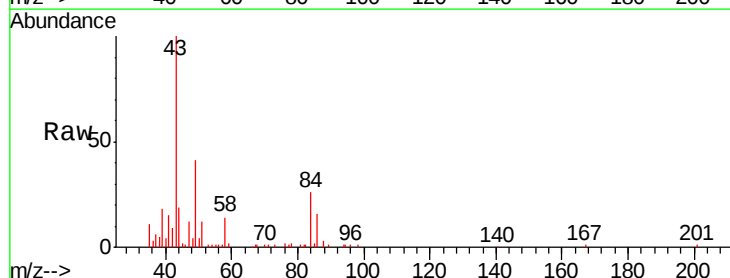
RT: 2.24 min Scan# 163

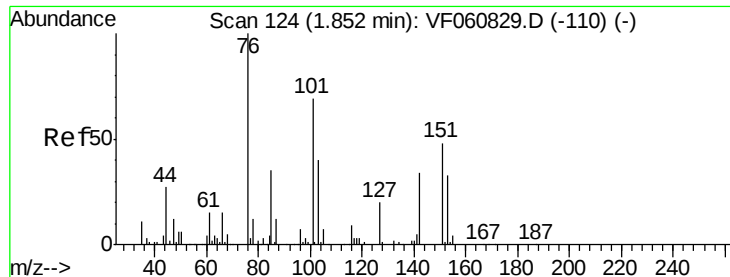
Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	43	Resp:	54459
Ion	Ratio	Lower	Upper
43	100		
58	13.7	11.4	17.2





#17

Carbon Disulfide

Concen: 25.463 ug/l m

RT: 1.83 min Scan# 122

Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 76 Resp: 101337

Ion Ratio Lower Upper

76 100

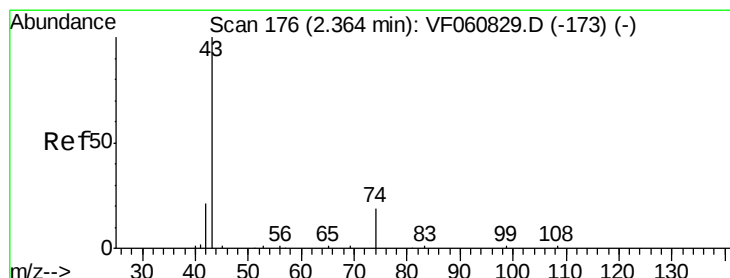
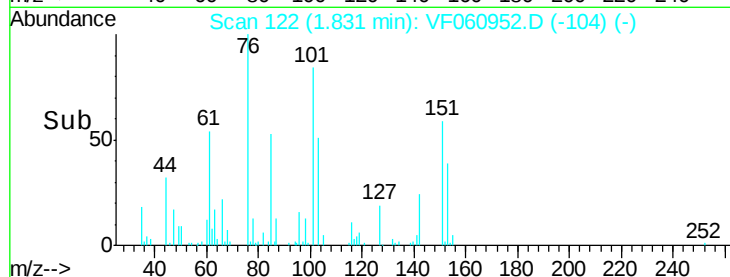
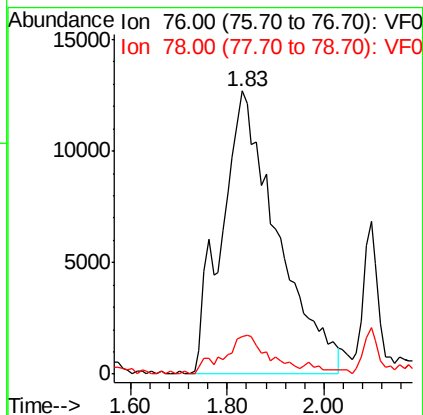
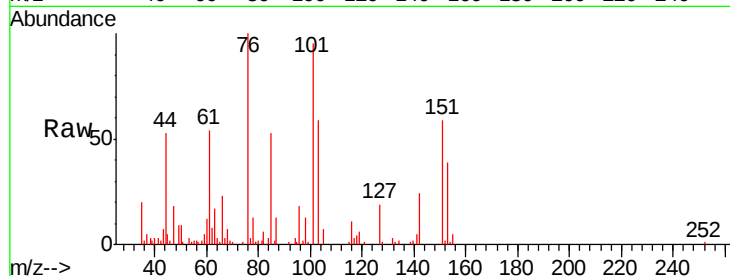
78 13.3 10.2 15.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



#18

Methyl Acetate

Concen: 29.695 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.02 min

Lab File: VF060952.D

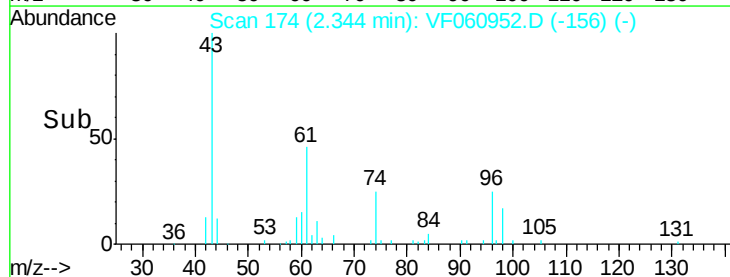
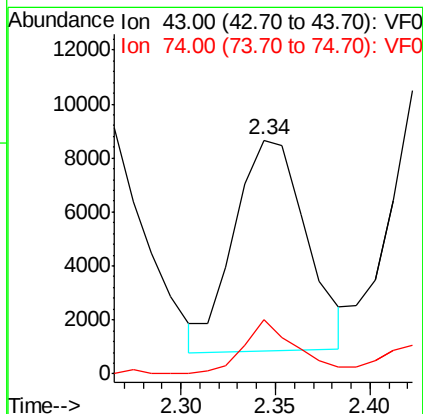
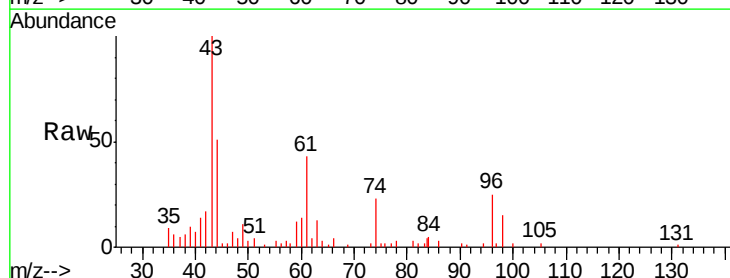
Acq: 10 Dec 2018 14:30

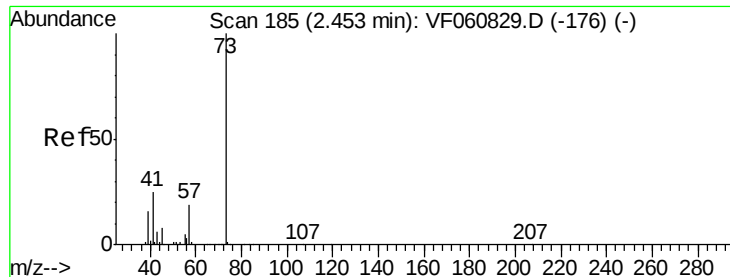
Tgt Ion: 43 Resp: 20745

Ion Ratio Lower Upper

43 100

74 23.4 13.3 19.9#





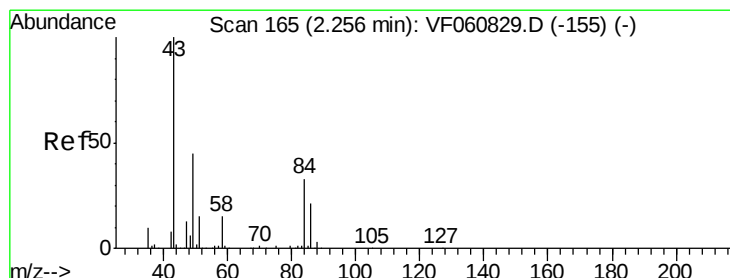
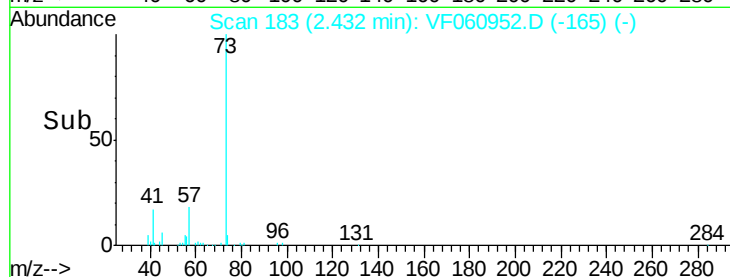
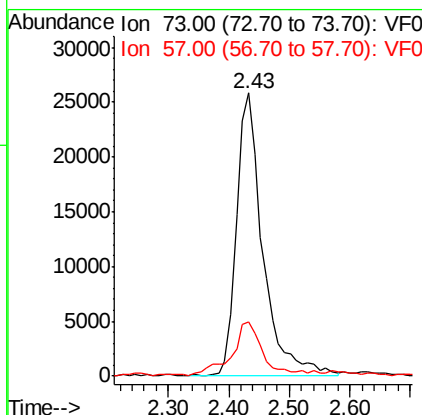
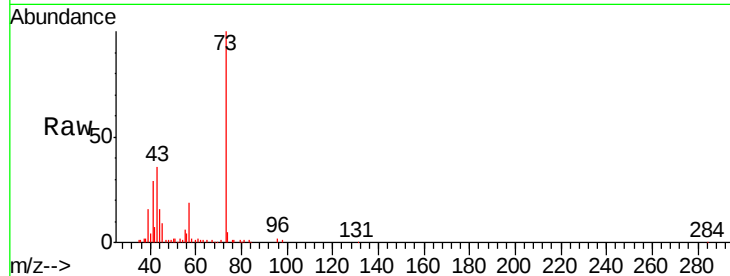
#19
Methyl tert-butyl Ether
Concen: 23.475 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion: 73 Resp: 78476
Ion Ratio Lower Upper
73 100
57 19.2 15.3 22.9

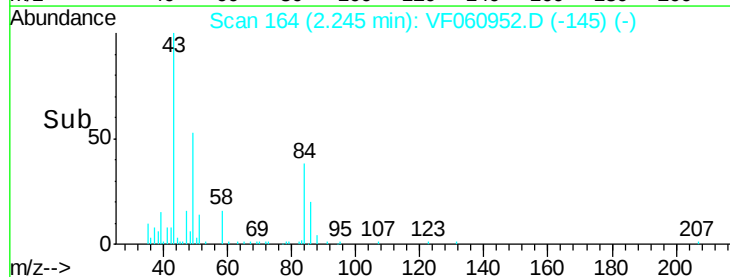
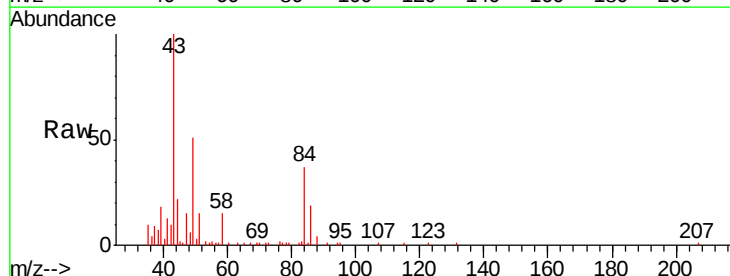
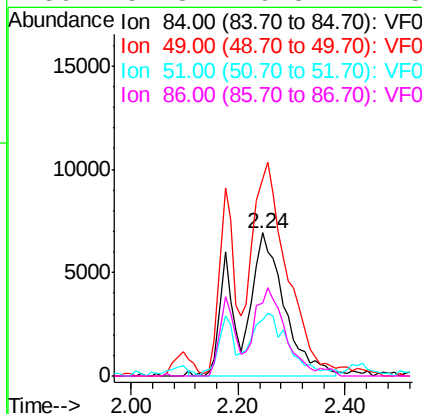
Manual Integrations
APPROVED

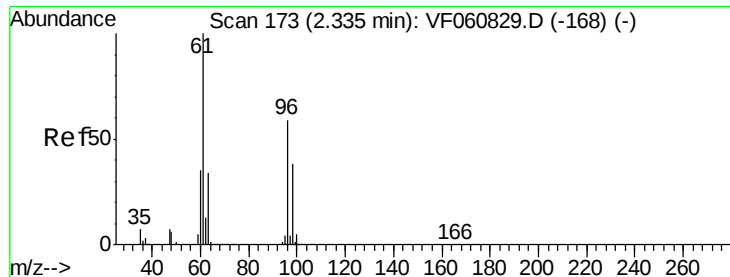
MMDadoda
12/11/2018 4:15:36 PM



#20
Methylene Chloride
Concen: 26.090 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion: 84 Resp: 38976
Ion Ratio Lower Upper
84 100
49 138.3 111.3 166.9
51 39.6 38.0 57.0
86 51.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 25.940 ug/l m

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

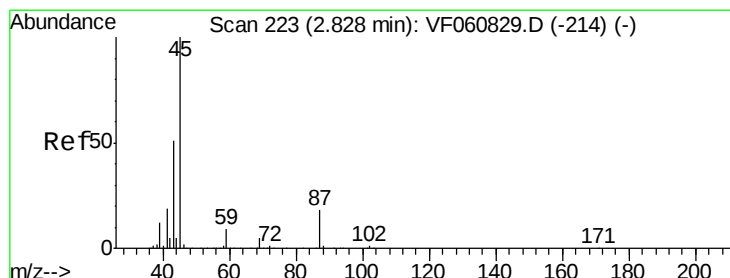
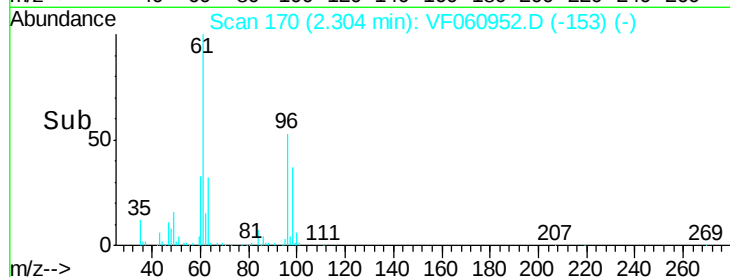
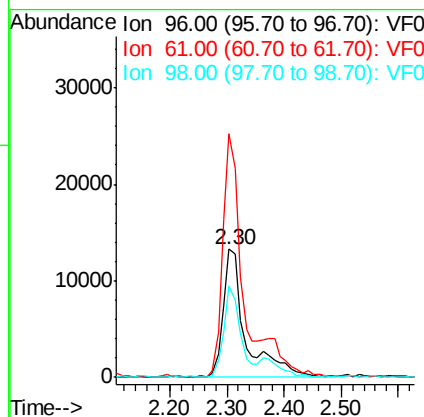
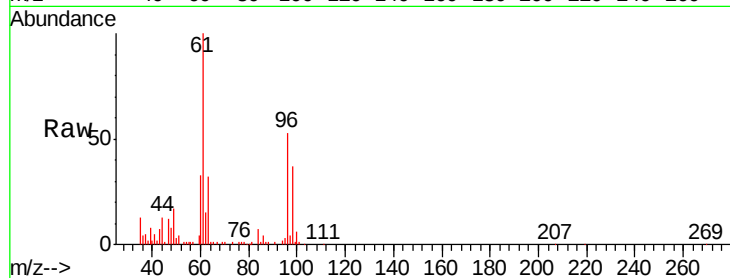
ClientSampleId :

VF1210SBS01

Tgt Ion:	96	Resp:	37119
Ion	Ratio	Lower	Upper
96	100		
61	190.1	134.5	201.7
98	70.9	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#22

Diisopropyl ether

Concen: 24.846 ug/l

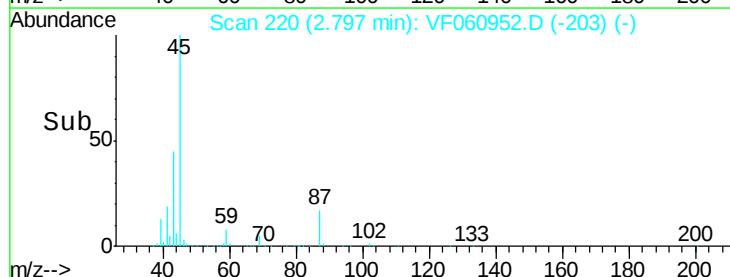
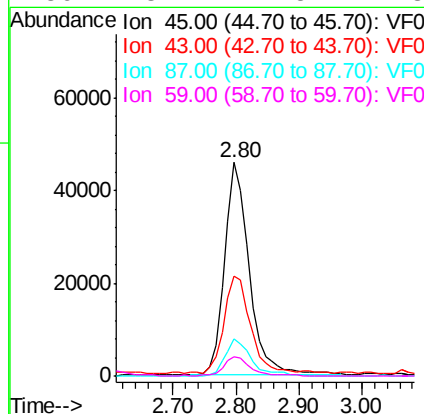
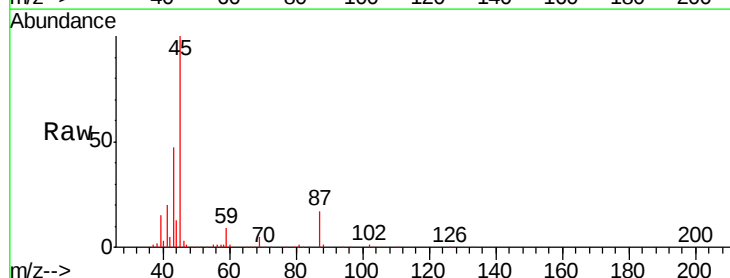
RT: 2.80 min Scan# 220

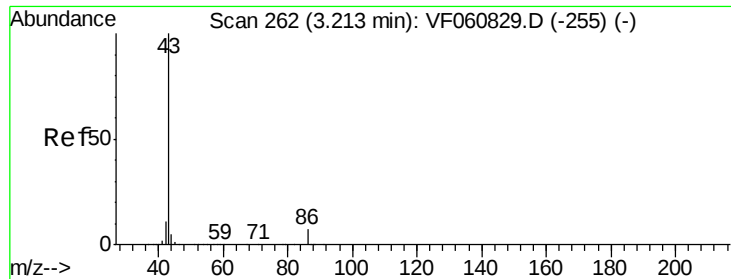
Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	45	Resp:	125119
Ion	Ratio	Lower	Upper
45	100		
43	46.9	41.0	61.6
87	17.2	14.6	22.0
59	8.7	7.5	11.3





#23

Vinyl Acetate

Concen: 133.813 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 43 Resp: 308019

Ion Ratio Lower Upper

43 100

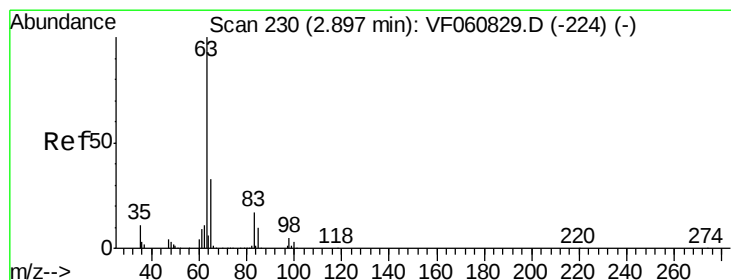
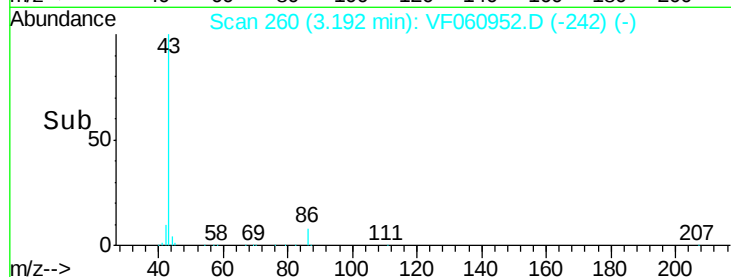
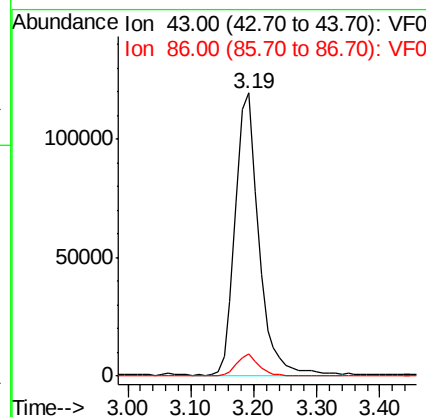
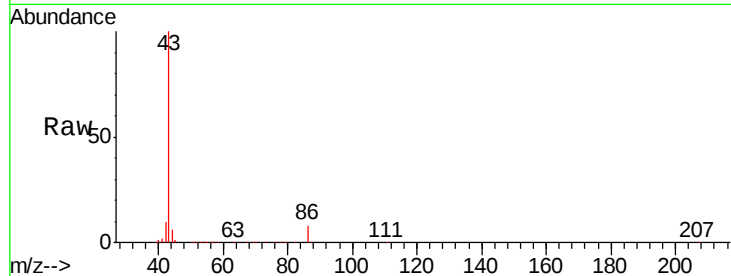
86 8.1 5.4 8.0#

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



#24

1,1-Dichloroethane

Concen: 24.178 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

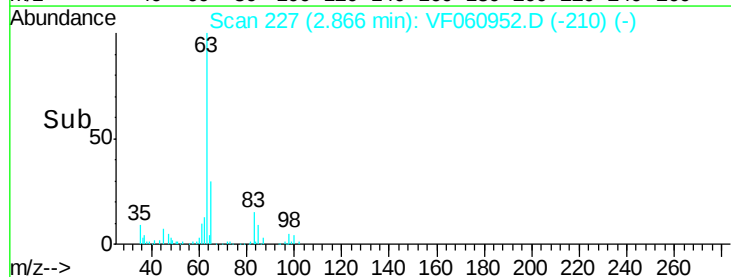
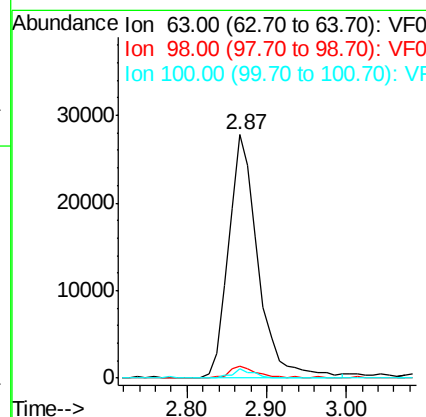
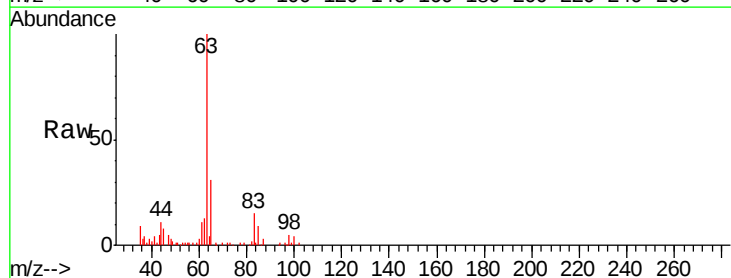
Tgt Ion: 63 Resp: 72438

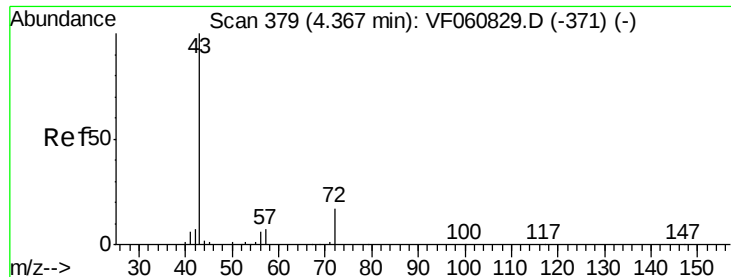
Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

100 3.6 1.5 4.5





#25

2-Butanone

Concen: 125.310 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 43 Resp: 88261

Ion Ratio Lower Upper

43 100

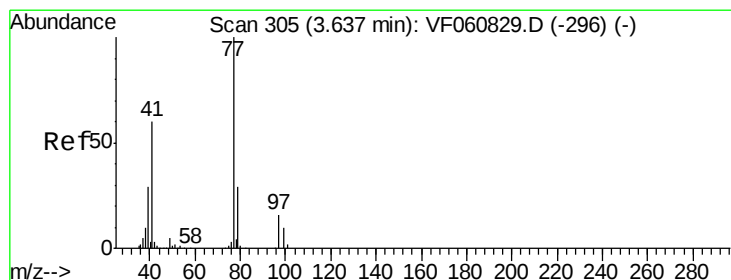
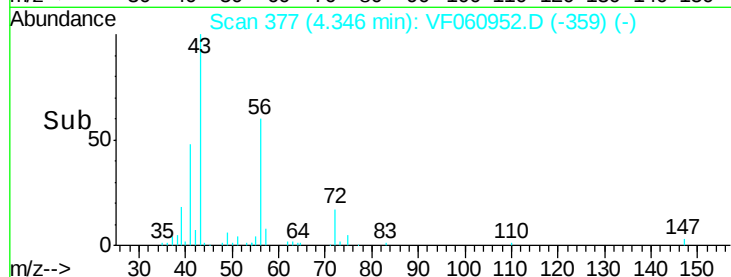
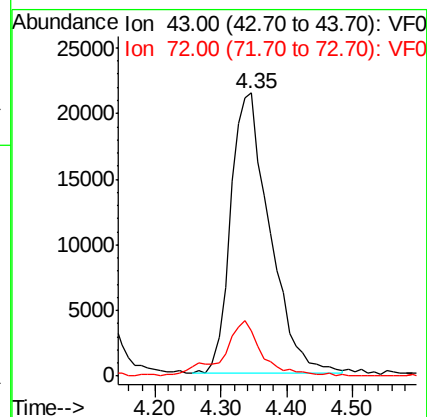
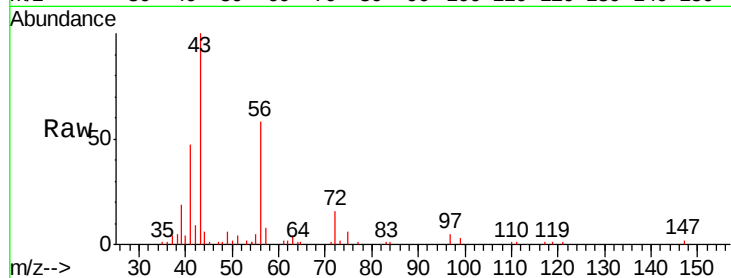
72 16.0 15.4 23.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



#26

2,2-Dichloropropane

Concen: 25.755 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.04 min

Lab File: VF060952.D

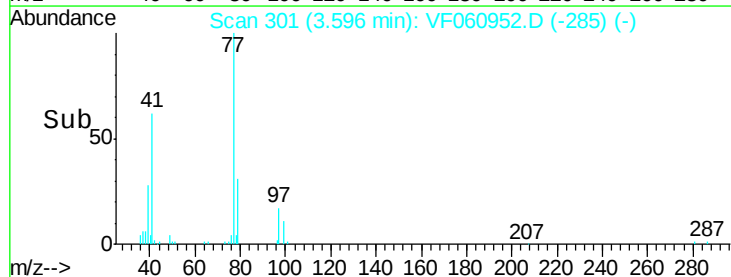
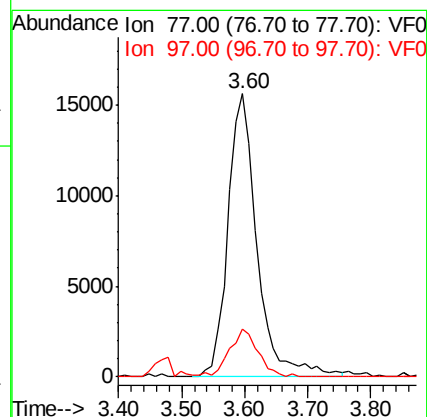
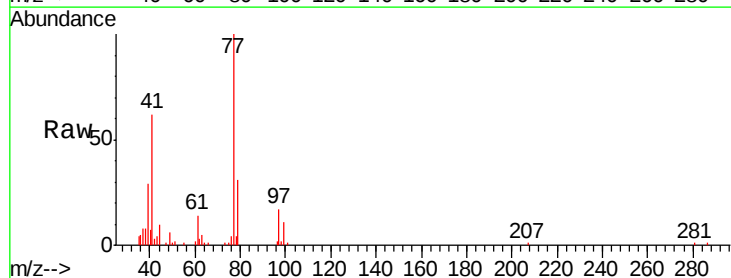
Acq: 10 Dec 2018 14:30

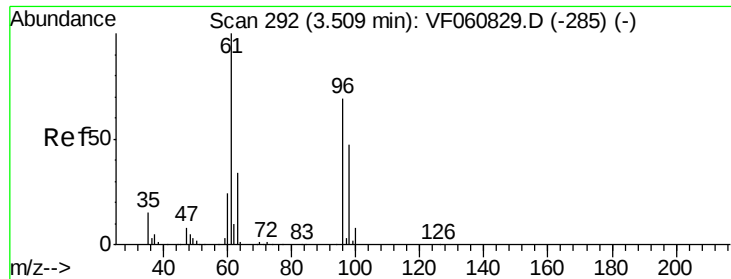
Tgt Ion: 77 Resp: 50026

Ion Ratio Lower Upper

77 100

97 17.1 8.6 25.8





#27

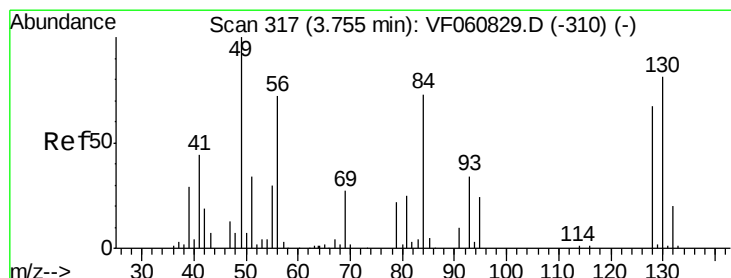
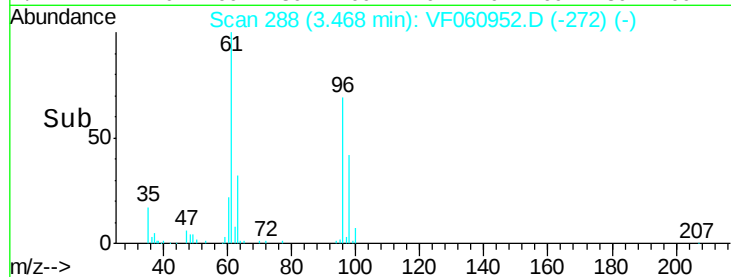
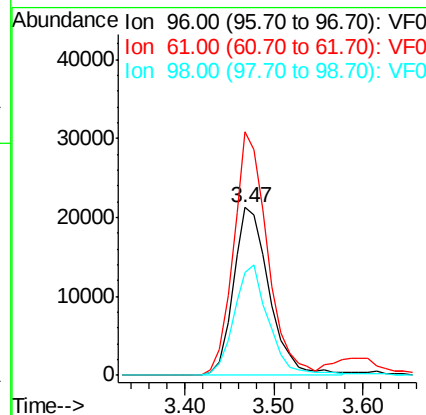
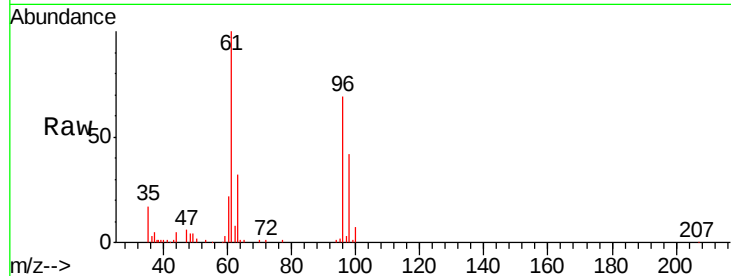
cis-1,2-Dichloroethene
Concen: 25.523 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	59459		
61	145.2		0.0	290.6
98	61.4		0.0	137.8

Manual Integrations
APPROVED

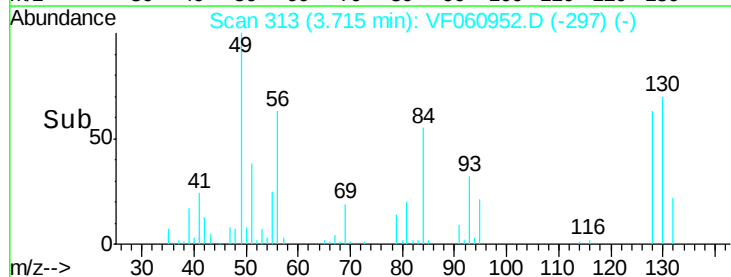
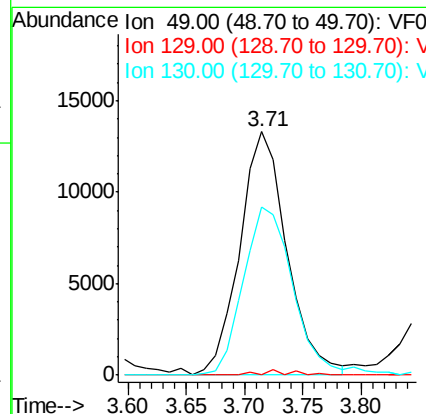
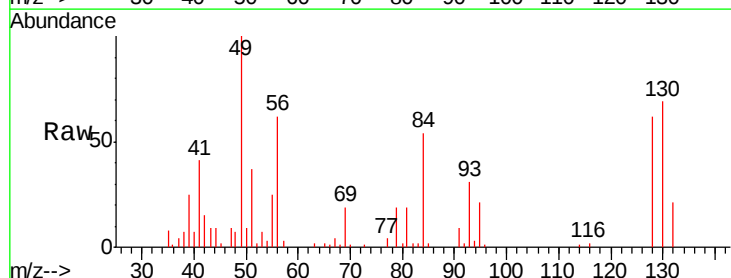
MMDadoda
12/11/2018 4:15:36 PM



#28

Bromochloromethane
Concen: 26.014 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37405		
129	0.0		0.0	4.4
130	68.9		64.2	96.4





#29

Tetrahydrofuran

Concen: 119.410 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

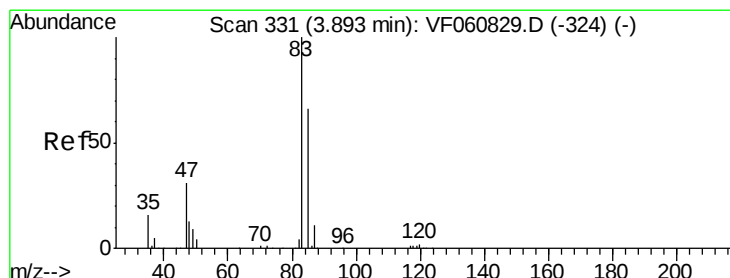
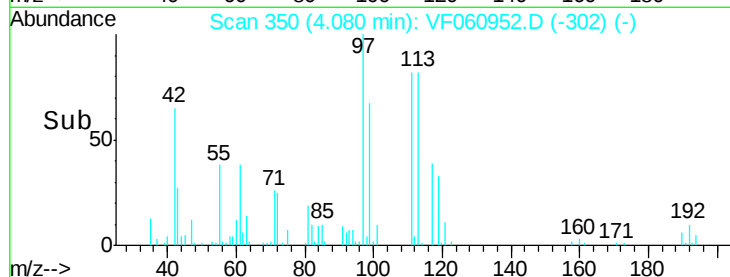
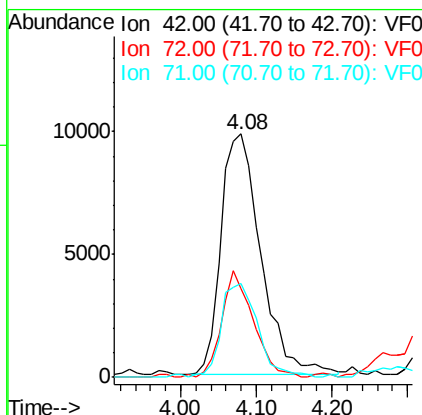
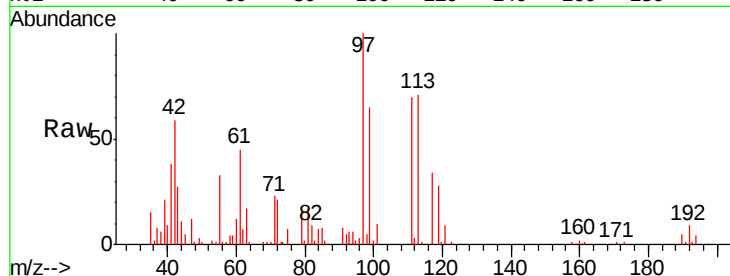
ClientSampleId :

VF1210SBS01

Tgt Ion:	42	Resp:	35651
Ion Ratio		Lower	Upper
42	100		
72	35.5	31.9	47.9
71	36.0	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#30

Chloroform

Concen: 23.779 ug/l

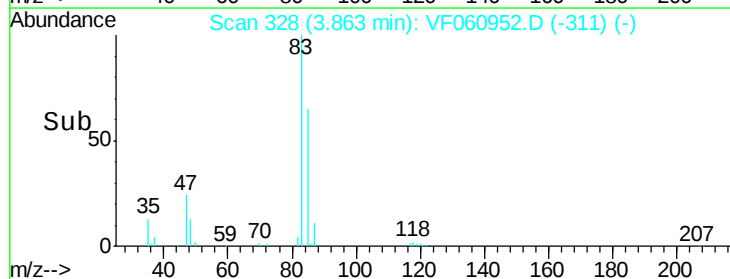
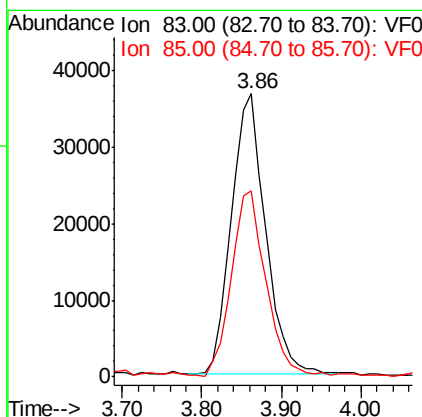
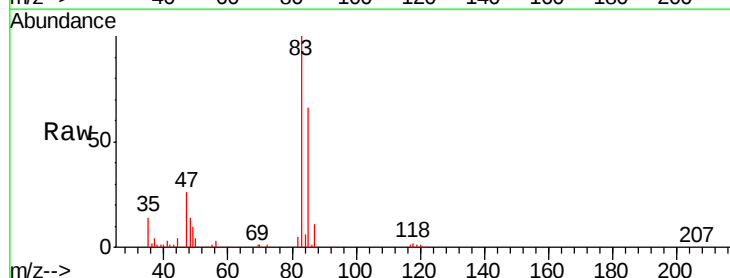
RT: 3.86 min Scan# 328

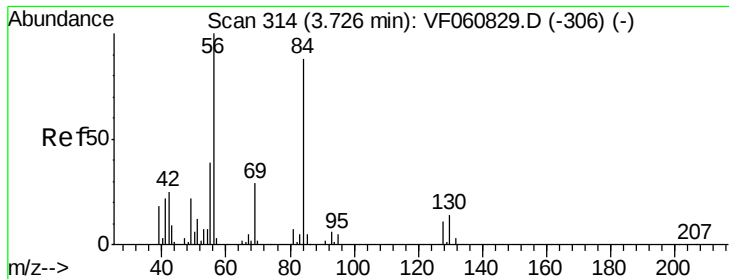
Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	83	Resp:	109647
Ion Ratio		Lower	Upper
83	100		
85	65.7	53.4	80.2





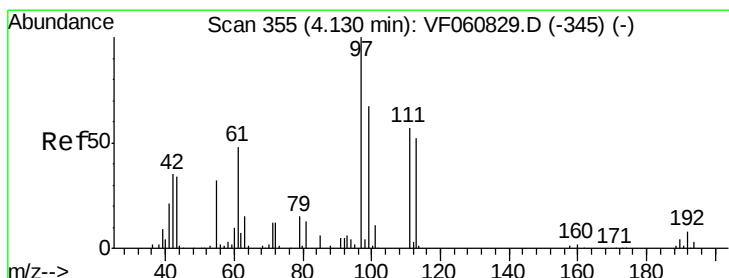
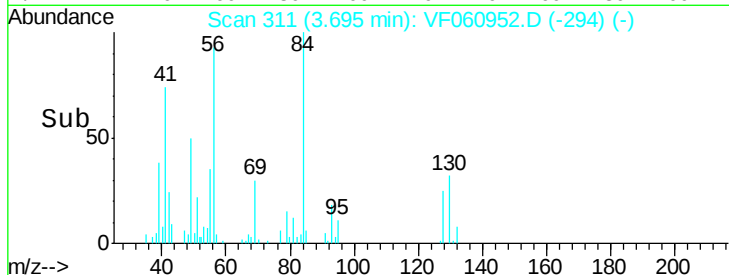
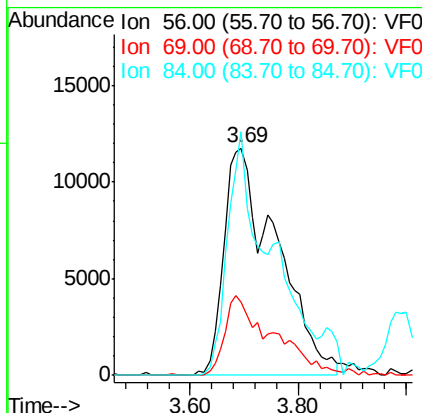
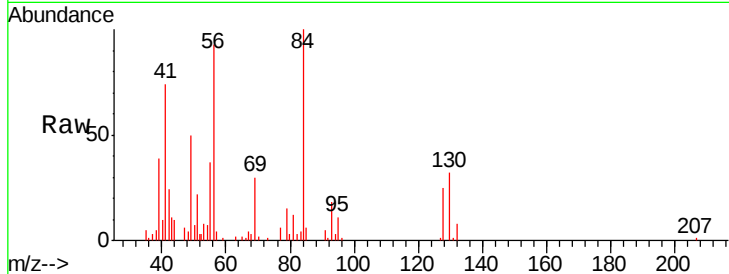
#31
Cyclohexane
Concen: 25.481 ug/l m
RT: 3.69 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.4	23.0	34.4
84	107.1	70.4	105.6

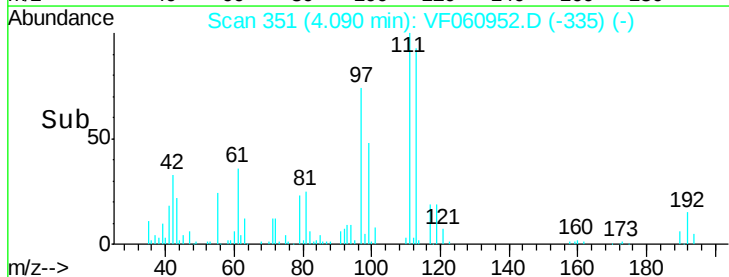
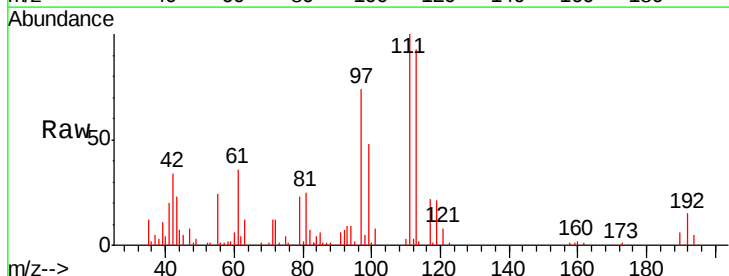
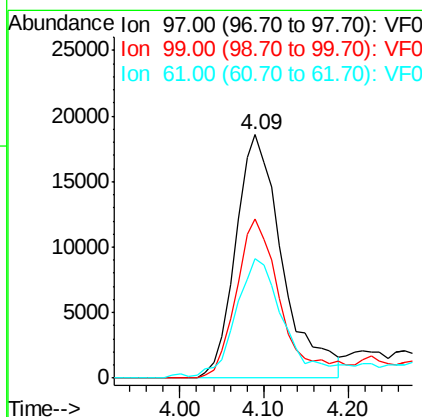
Manual Integrations
APPROVED

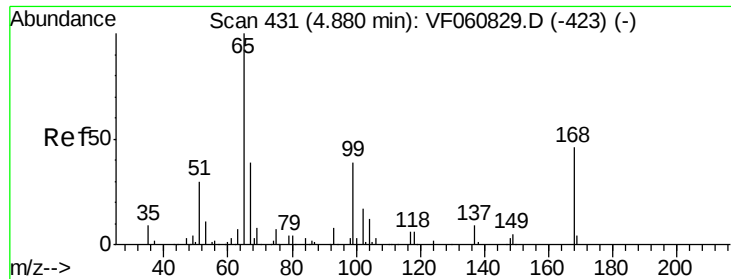
MMDadoda
12/11/2018 4:15:36 PM



#32
1,1,1-Trichloroethane
Concen: 22.618 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	53.5	80.3
61	48.9	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 54.177 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 65 Resp: 119637

Ion Ratio Lower Upper

65 100

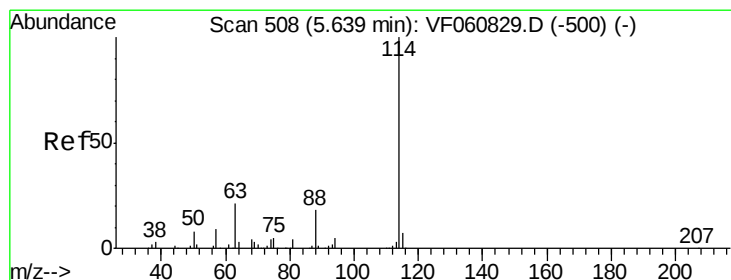
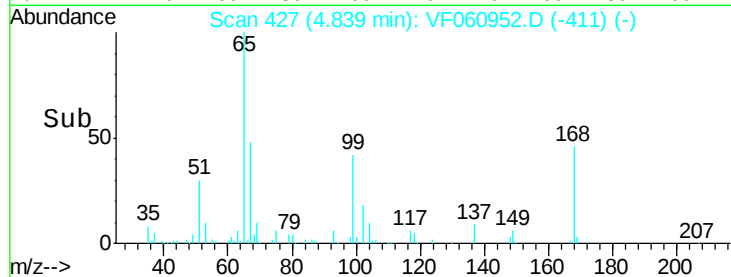
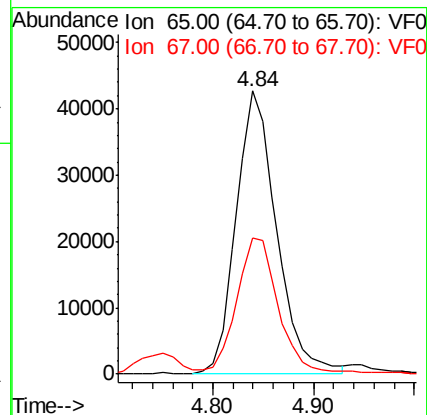
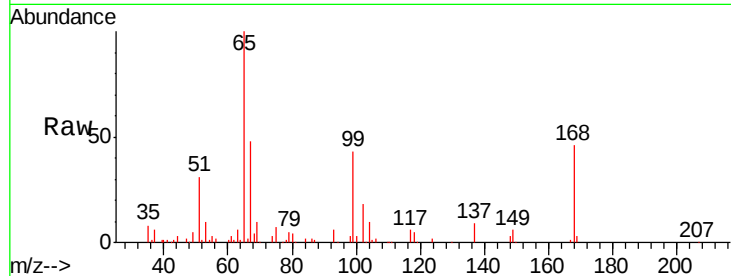
67 47.9 0.0 96.4

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

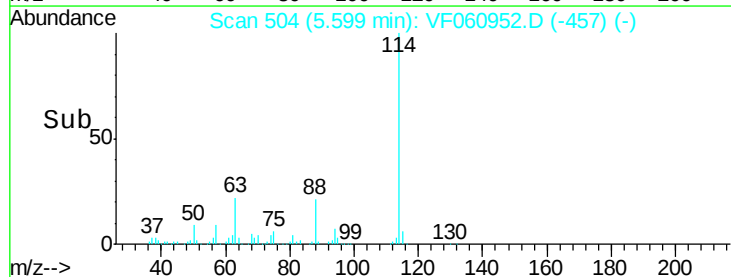
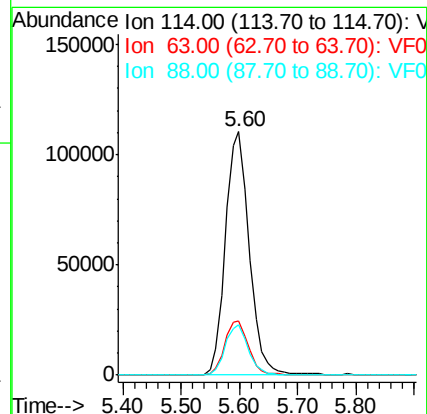
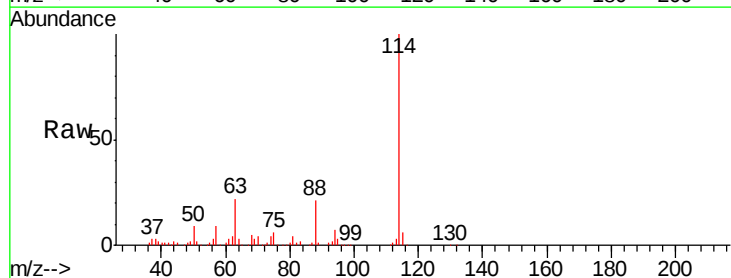
Tgt Ion: 114 Resp: 314605

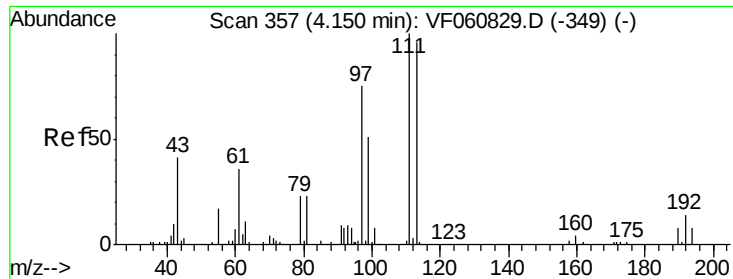
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.6

88 20.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.820 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

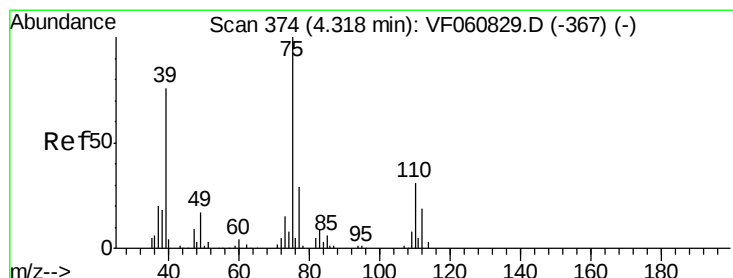
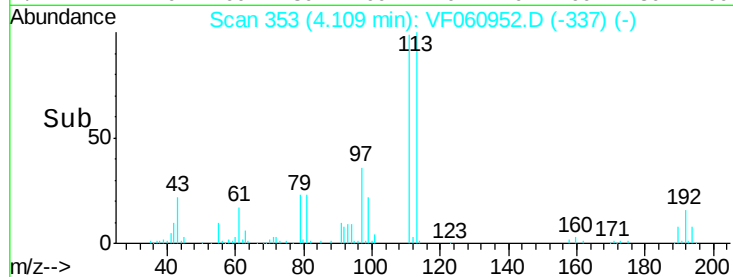
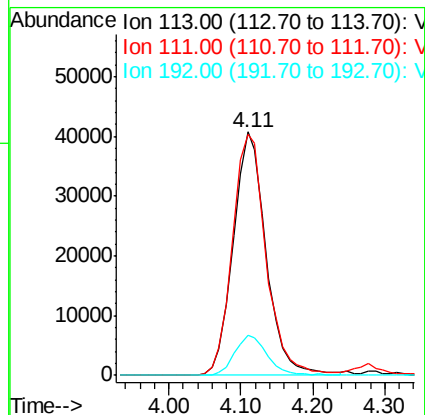
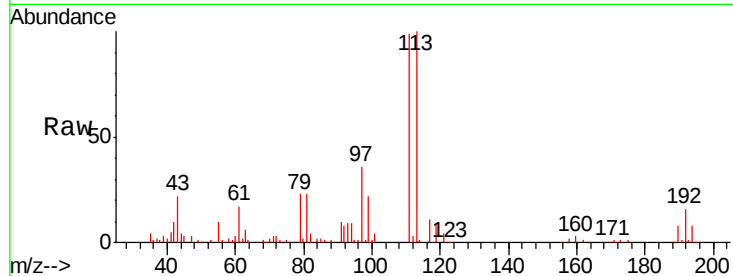
ClientSampleId :

VF1210SBS01

Tgt Ion:	113	Resp:	129334
Ion	Ratio	Lower	Upper
113	100		
111	99.2	83.0	124.6
192	16.3	12.3	18.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#36

1,1-Dichloropropene

Concen: 24.719 ug/l

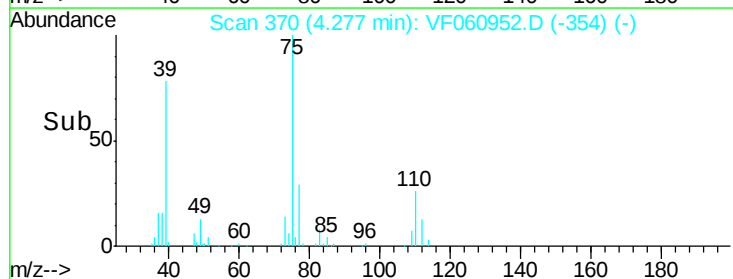
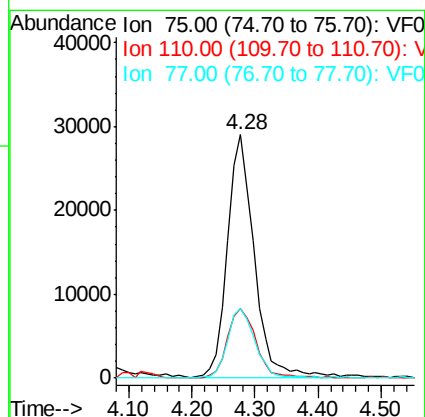
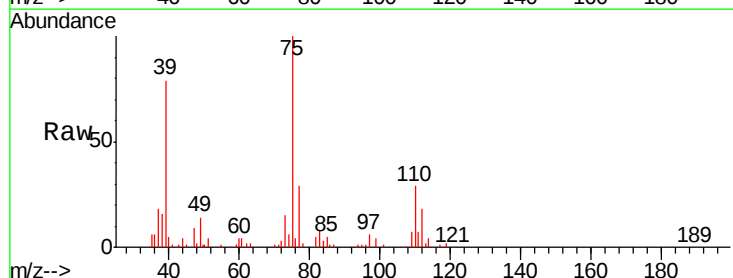
RT: 4.28 min Scan# 370

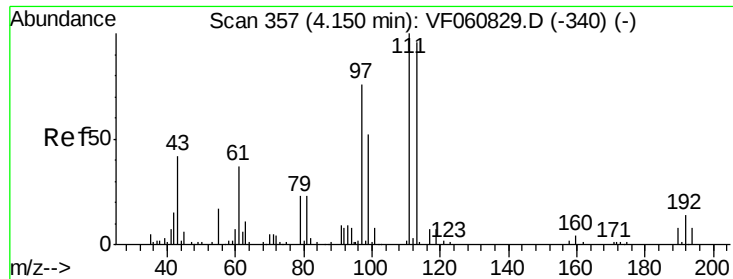
Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	75	Resp:	86258
Ion	Ratio	Lower	Upper
75	100		
110	28.7	15.6	46.8
77	28.6	23.4	35.0





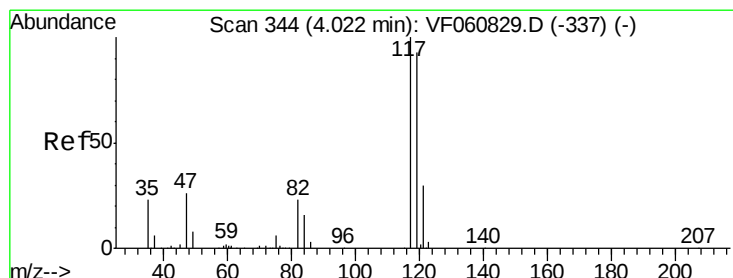
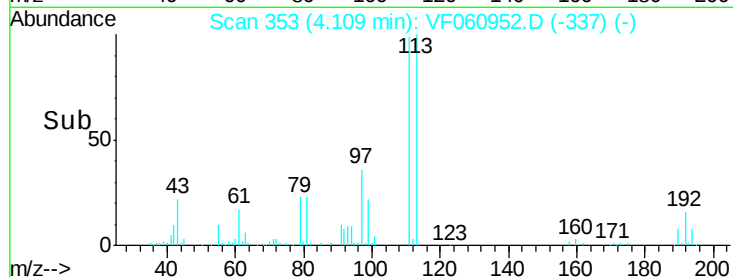
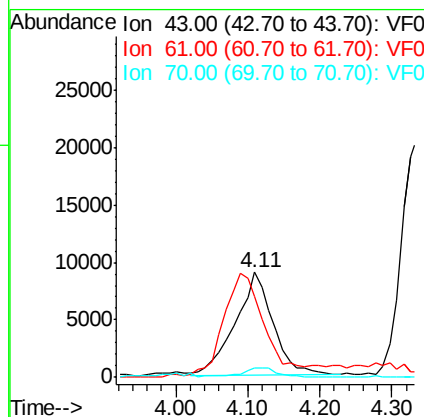
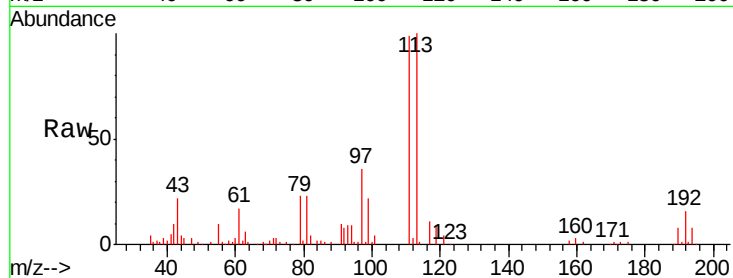
#37
Ethyl Acetate
Concen: 22.991 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	76.8	68.6	103.0
70	8.7	9.0	13.4

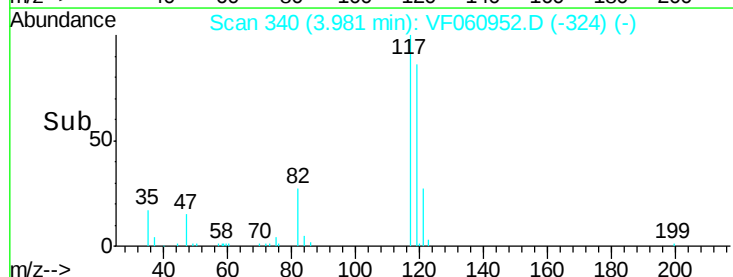
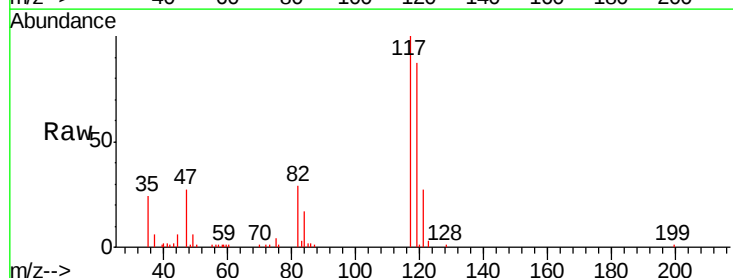
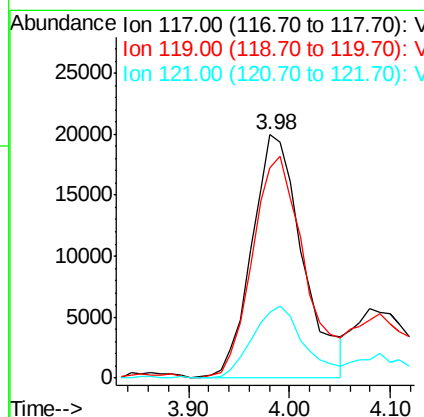
Manual Integrations
APPROVED

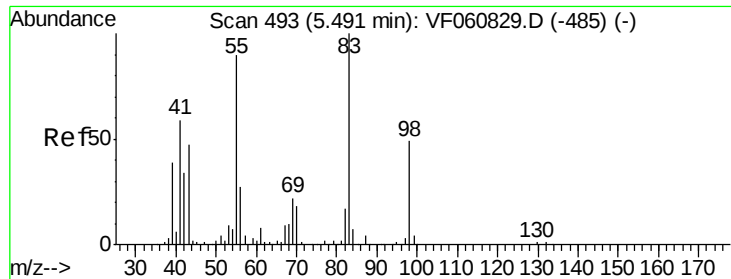
MMDadoda
12/11/2018 4:15:36 PM



#38
Carbon Tetrachloride
Concen: 22.669 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.6	74.4	111.6
121	26.9	23.5	35.3





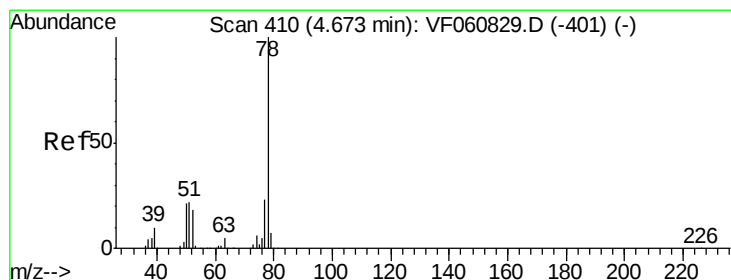
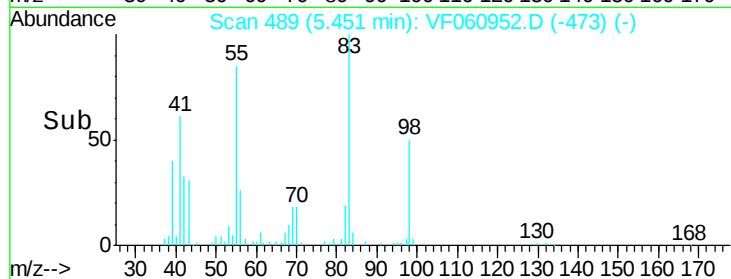
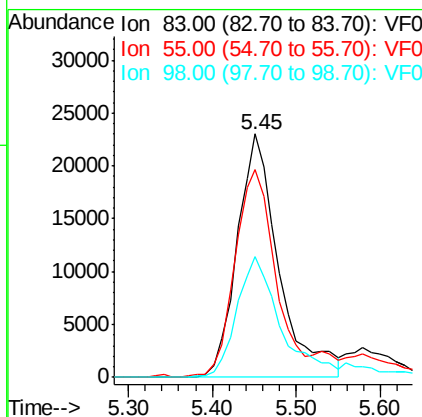
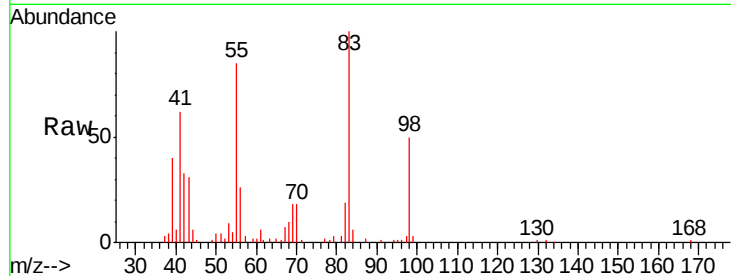
#39
Methylcyclohexane
Concen: 21.706 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.1	72.1	108.1
98	49.6	39.1	58.7

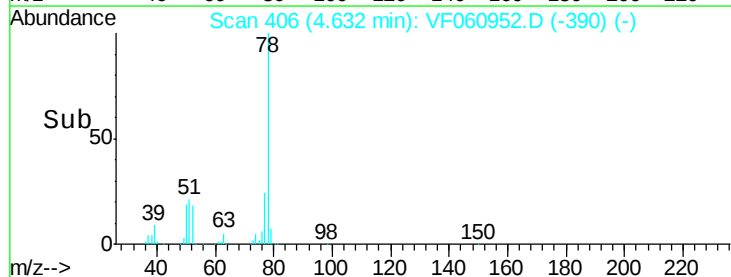
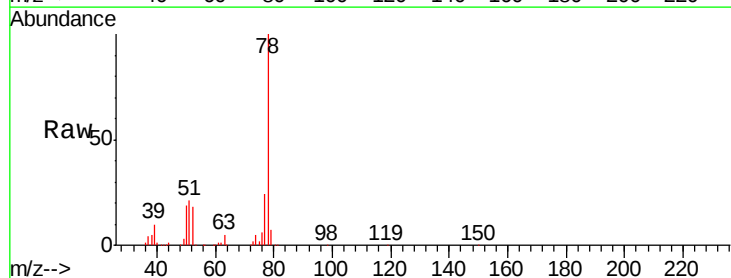
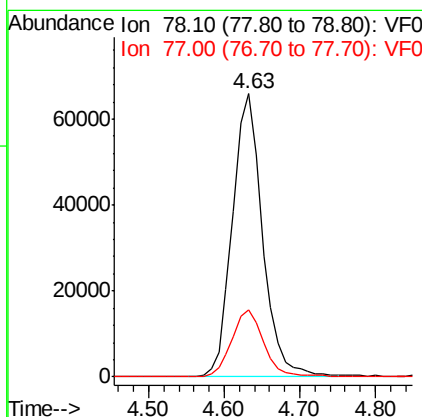
Manual Integrations
APPROVED

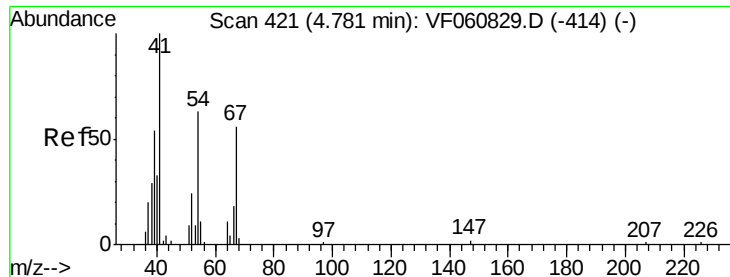
MMDadoda
12/11/2018 4:15:36 PM



#40
Benzene
Concen: 23.585 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





#41

Methacrylonitrile

Concen: 25.417 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

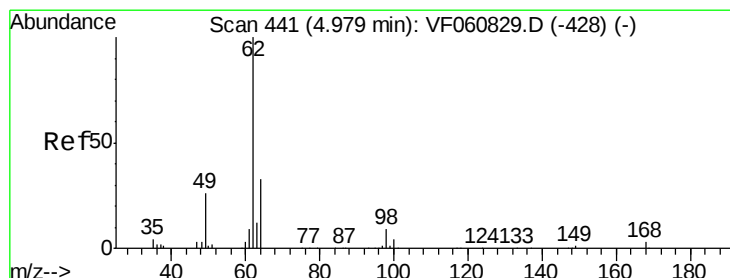
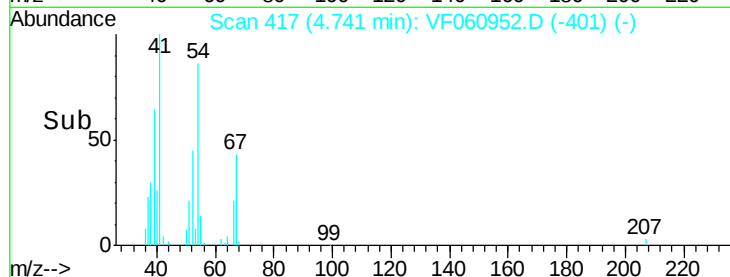
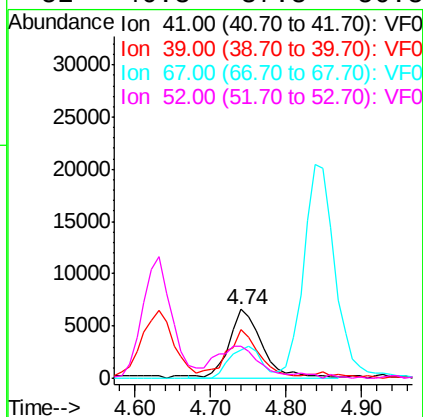
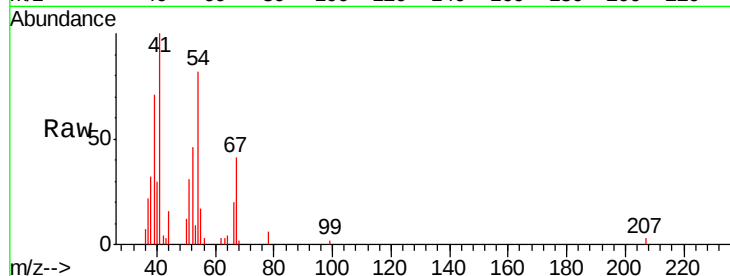
ClientSampleId :

VF1210SBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.1	53.0	79.6	
67	41.3	43.8	65.6	
52	46.3	37.8	56.8	

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#42

1,2-Dichloroethane

Concen: 23.786 ug/l

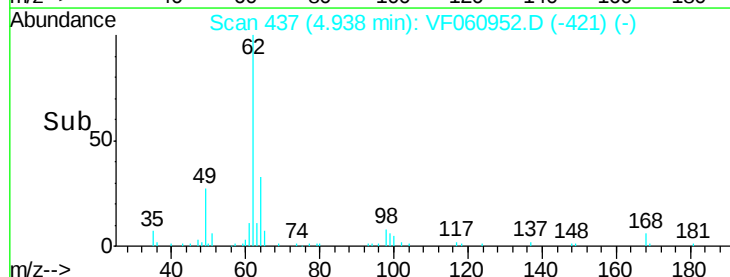
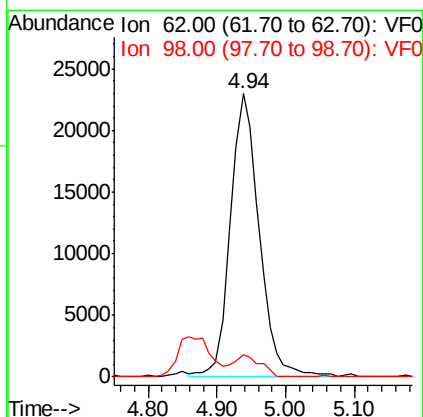
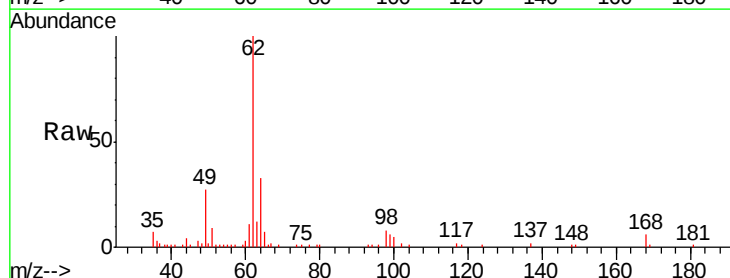
RT: 4.94 min Scan# 437

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	17.2	





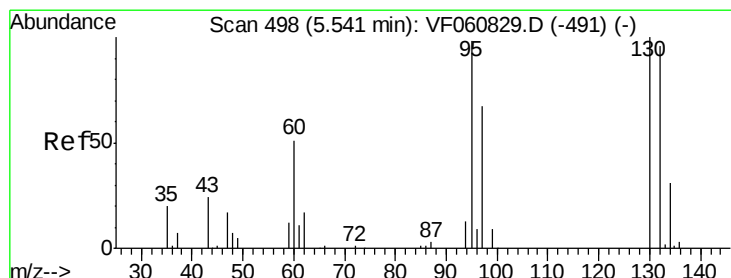
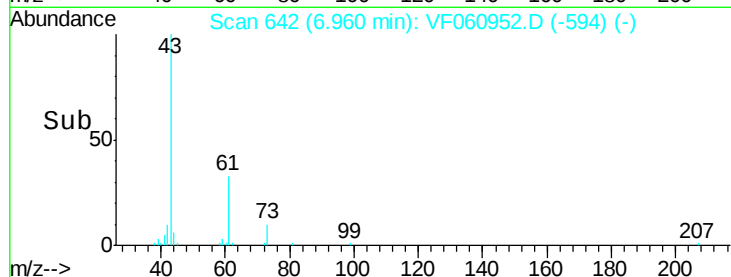
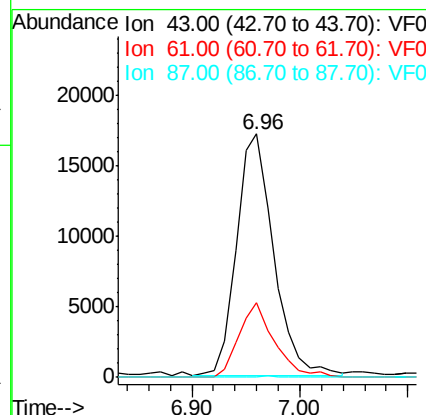
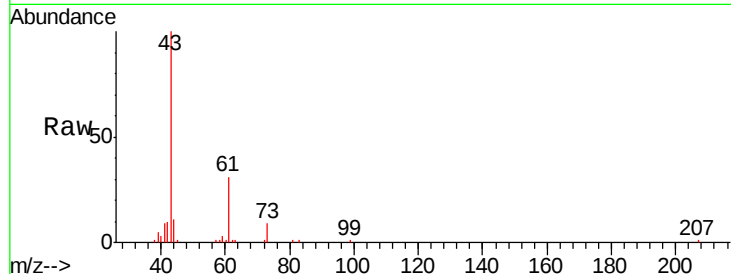
#43
Isopropyl Acetate
Concen: 21.894 ug/l
RT: 6.96 min Scan# 642
Delta R.T. -0.03 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.5	21.4	32.0
87	0.0	0.2	0.4

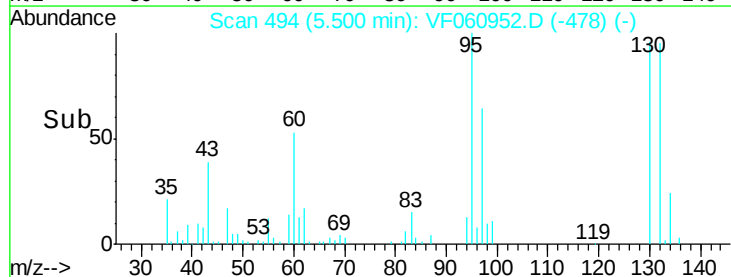
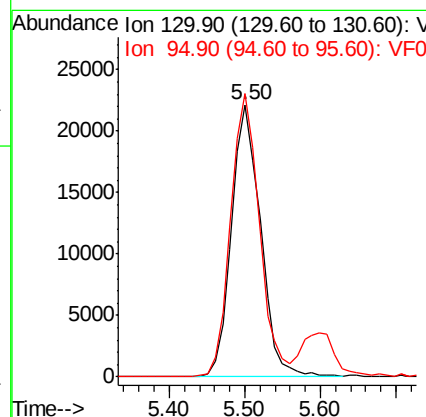
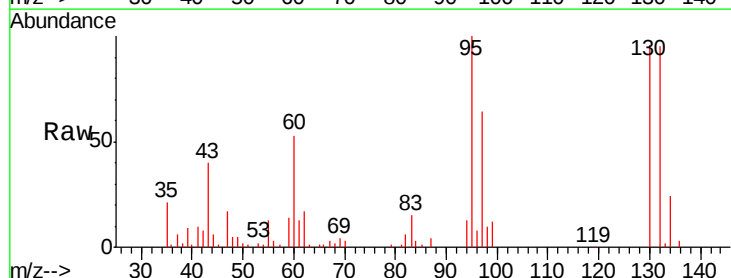
Manual Integrations
APPROVED

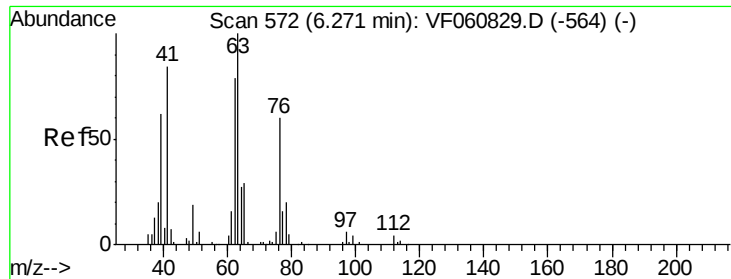
MMDadoda
12/11/2018 4:15:36 PM



#44
Trichloroethene
Concen: 23.377 ug/l
RT: 5.50 min Scan# 494
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	195.6





#45

1,2-Dichloropropane

Concen: 24.981 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 63 Resp: 50015

Ion Ratio Lower Upper

63 100

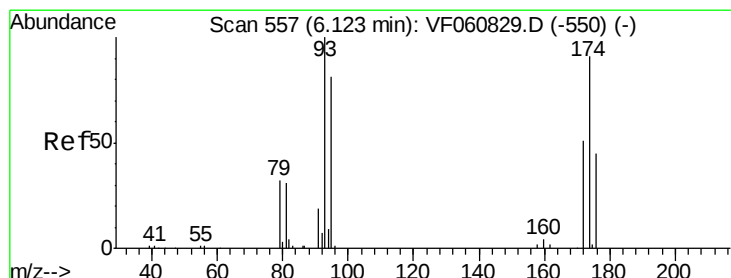
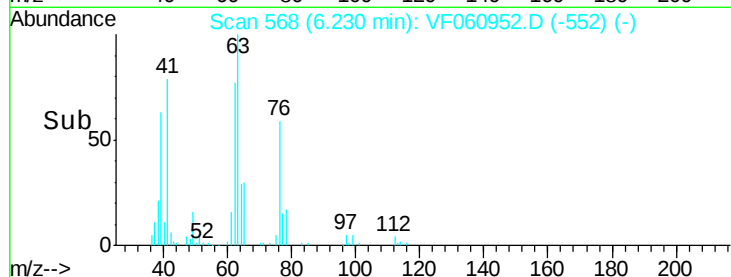
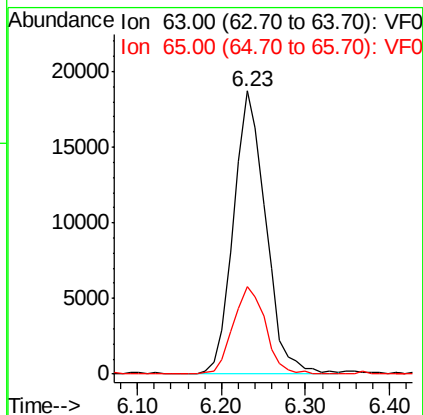
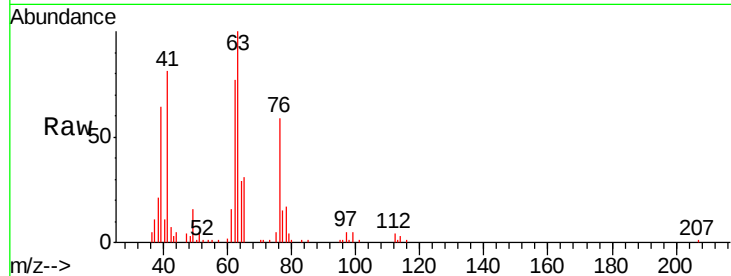
65 31.0 23.2 34.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



#46

Dibromomethane

Concen: 22.865 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

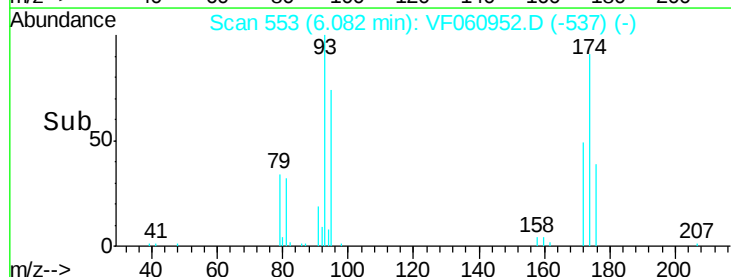
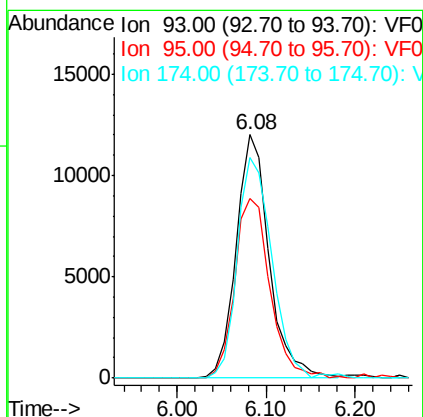
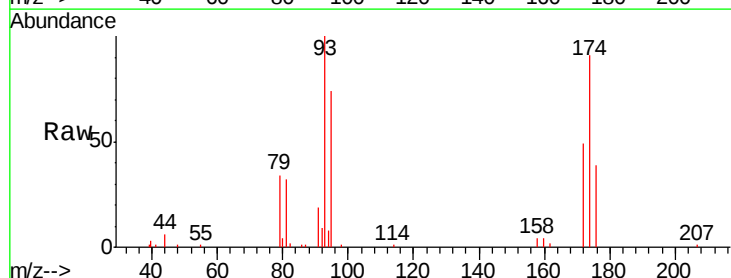
Tgt Ion: 93 Resp: 31055

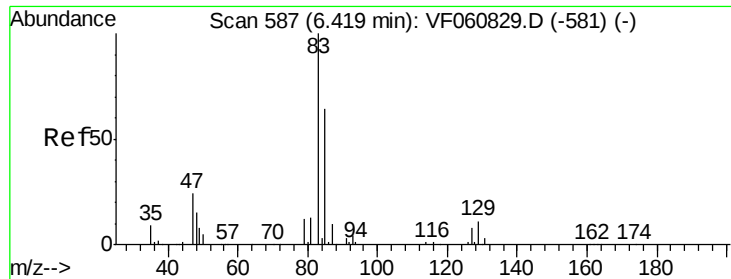
Ion Ratio Lower Upper

93 100

95 73.7 64.7 97.1

174 90.5 73.0 109.6





#47

Bromodichloromethane

Concen: 23.923 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

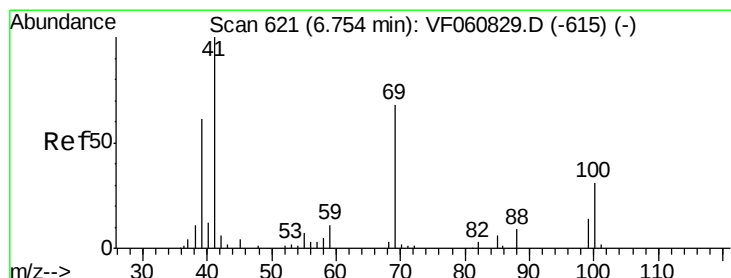
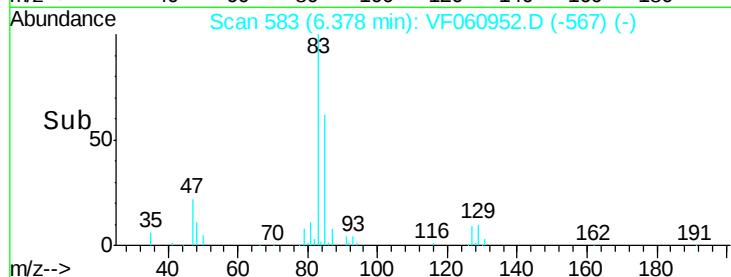
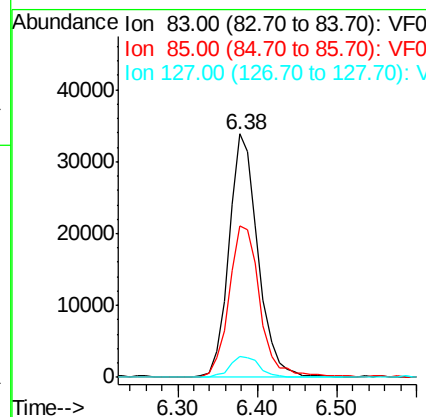
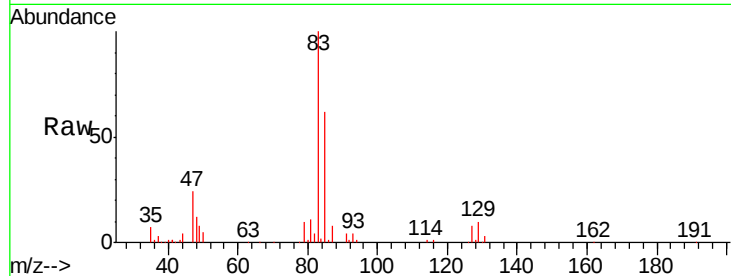
ClientSampleId :

VF1210SBS01

Tgt Ion:	83	Resp:	86298
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.1	76.7
127	8.5	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#48

Methyl methacrylate

Concen: 23.846 ug/l

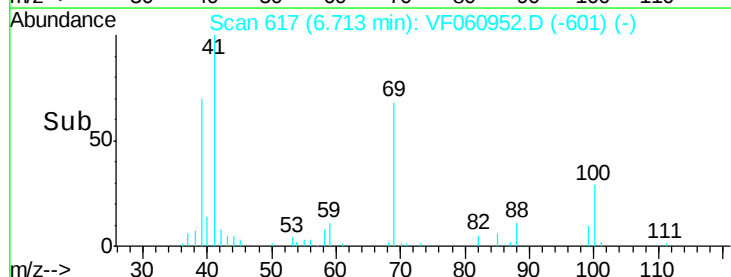
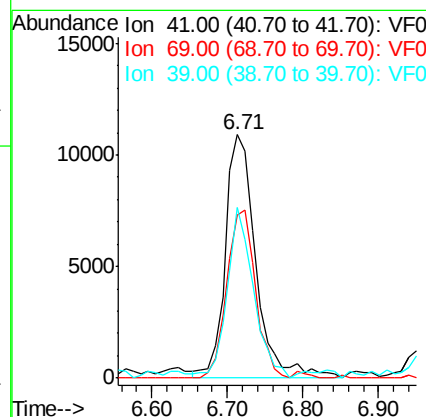
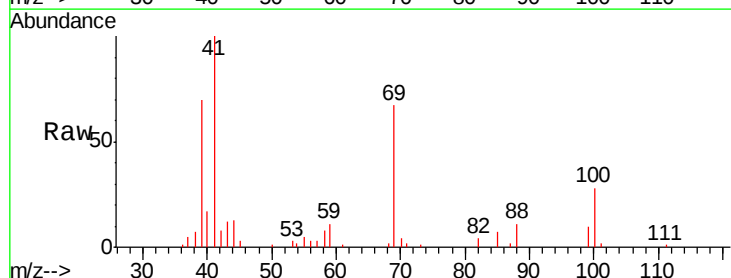
RT: 6.71 min Scan# 617

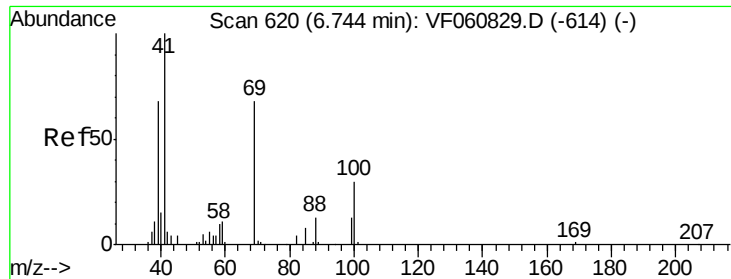
Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	41	Resp:	30608
Ion	Ratio	Lower	Upper
41	100		
69	67.1	53.9	80.9
39	69.9	49.0	73.6





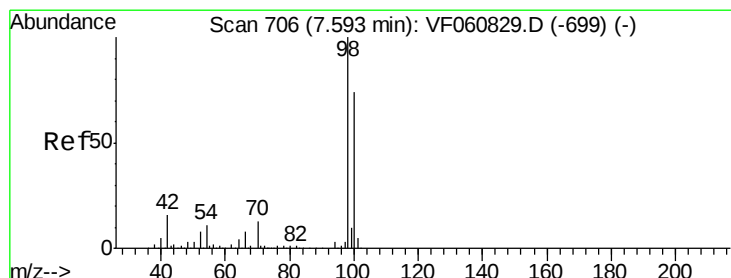
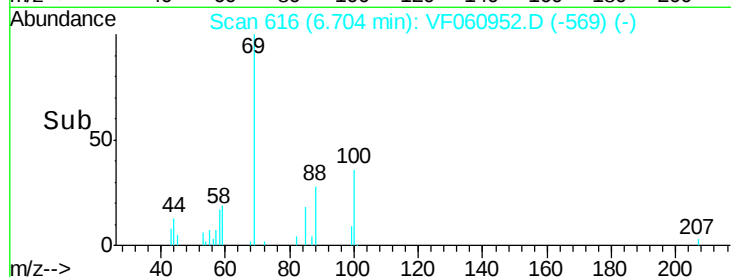
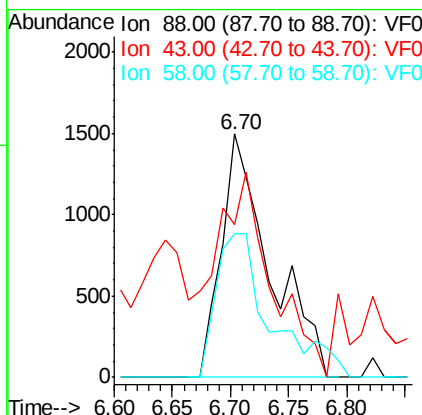
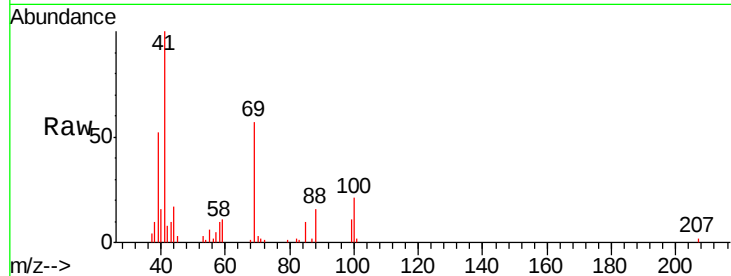
#49
1,4-Dioxane
Concen: 462.100 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	62.8	42.0	63.0
58	59.3	61.8	92.8#

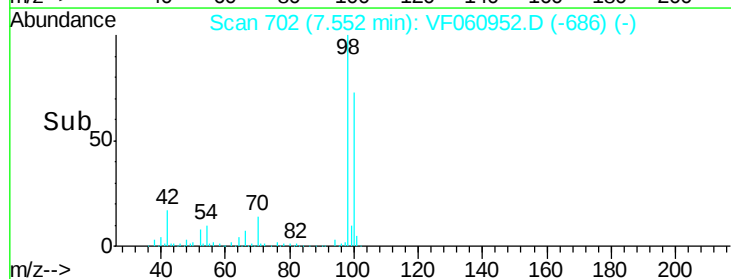
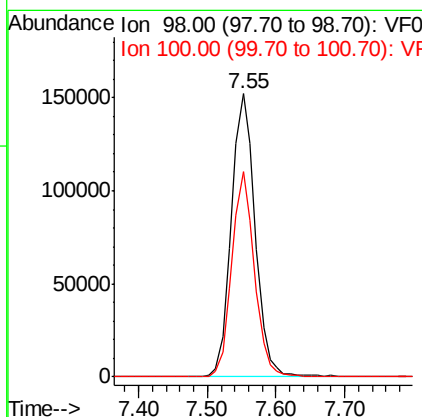
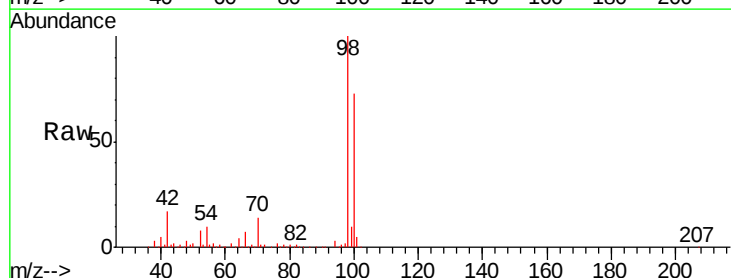
Manual Integrations
APPROVED

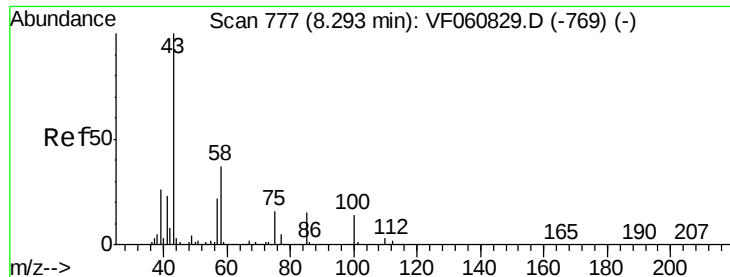
MMDadoda
12/11/2018 4:15:36 PM



#50
Toluene-d8
Concen: 49.604 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.7	59.3	88.9





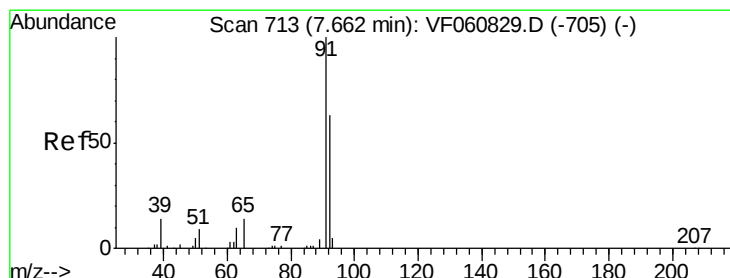
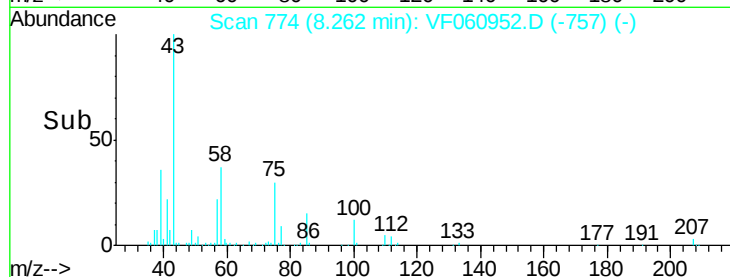
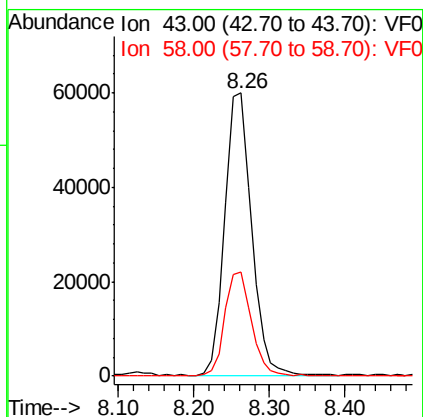
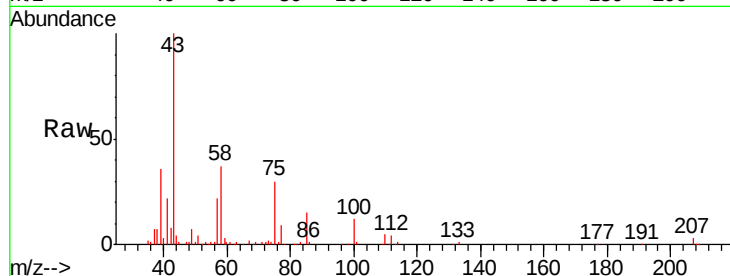
#51
 4-Methyl-2-Pentanone
 Concen: 112.332 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.03 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBS01

Tgt Ion: 43 Resp: 146892
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.7 44.5

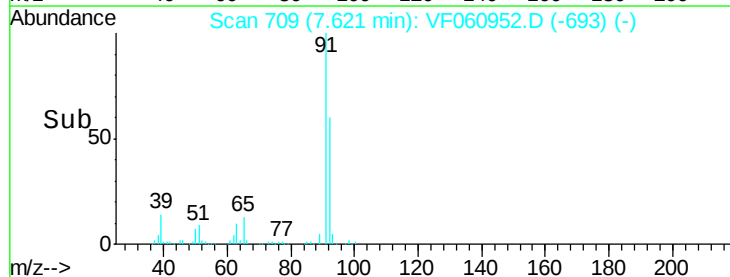
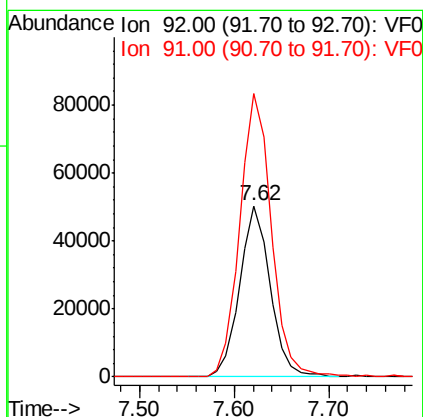
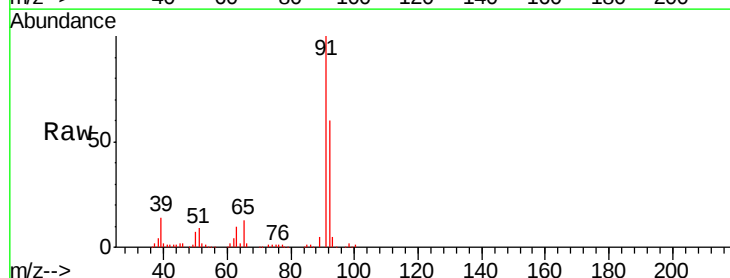
Manual Integrations
 APPROVED

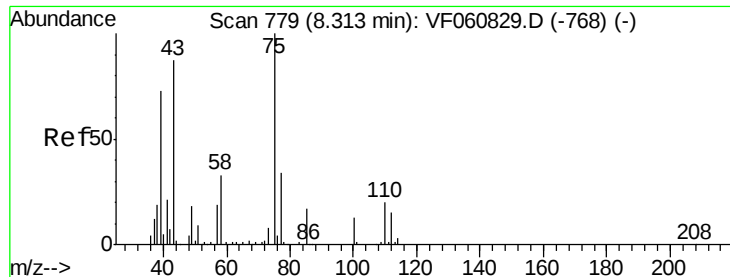
MMDadoda
 12/11/2018 4:15:36 PM



#52
 Toluene
 Concen: 20.920 ug/l
 RT: 7.62 min Scan# 709
 Delta R.T. -0.04 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Tgt Ion: 92 Resp: 113281
 Ion Ratio Lower Upper
 92 100
 91 165.8 126.2 189.2





#53

t-1,3-Dichloropropene

Concen: 23.643 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF060952.D

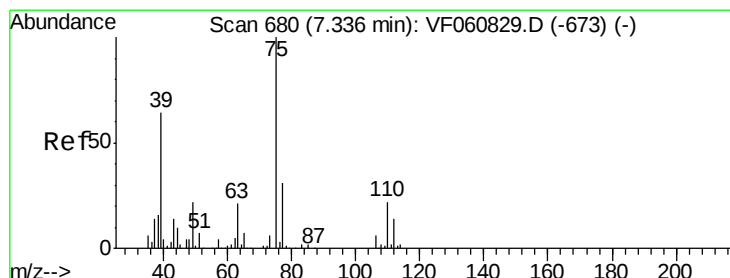
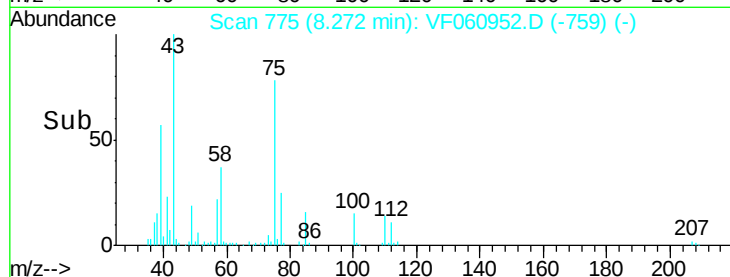
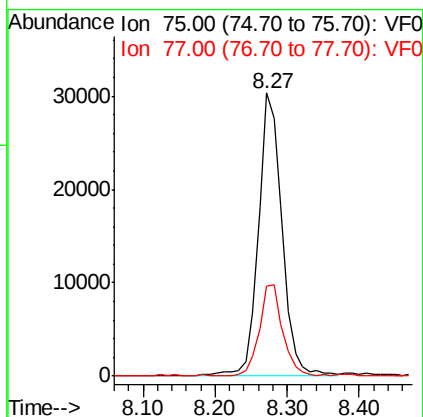
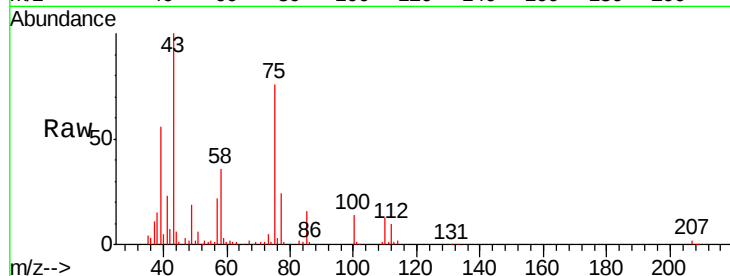
Acq: 10 Dec 2018 14:30

Tgt Ion:	75	Resp:	69375
Ion Ratio	Lower	Upper	
75	100		
77	31.7	27.4	41.2

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#54

cis-1,3-Dichloropropene

Concen: 22.524 ug/l

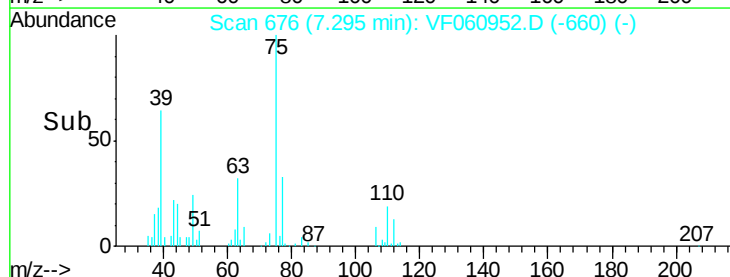
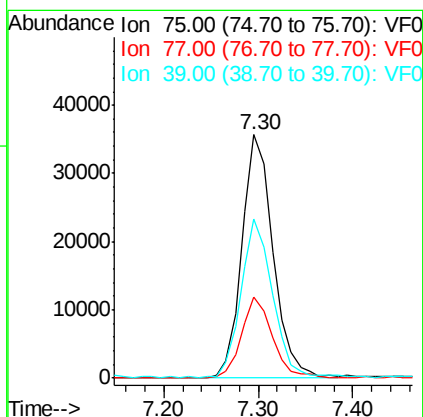
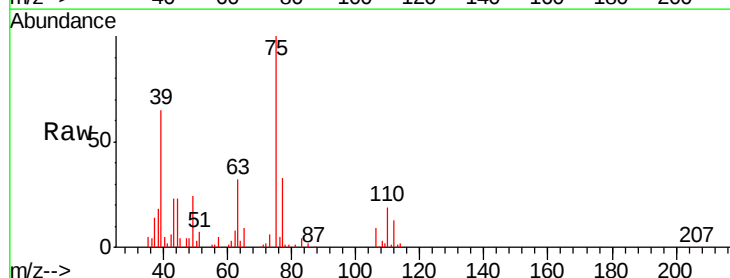
RT: 7.30 min Scan# 676

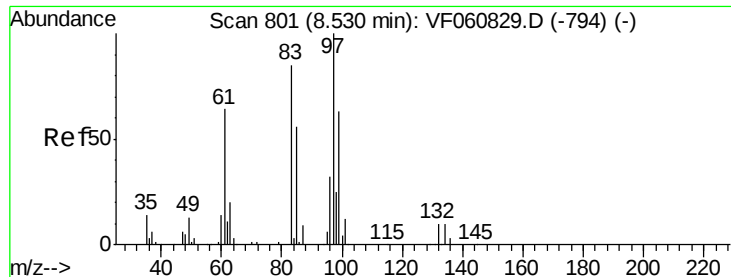
Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	75	Resp:	81817
Ion Ratio	Lower	Upper	
75	100		
77	33.3	25.0	37.6
39	65.5	51.1	76.7





#55

1,1,2-Trichloroethane

Concen: 22.960 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

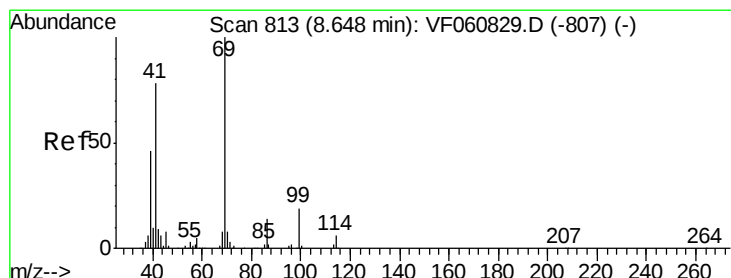
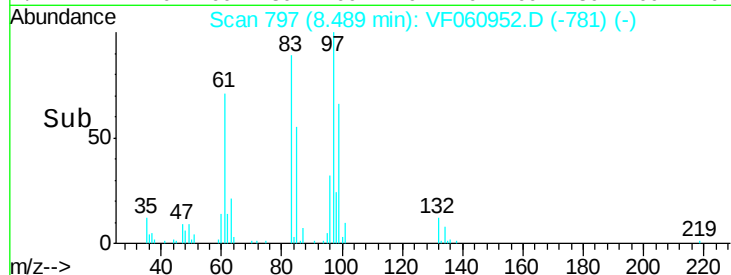
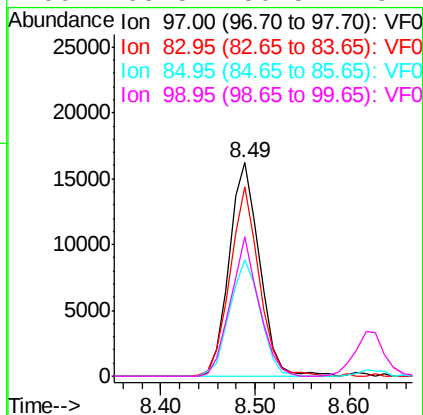
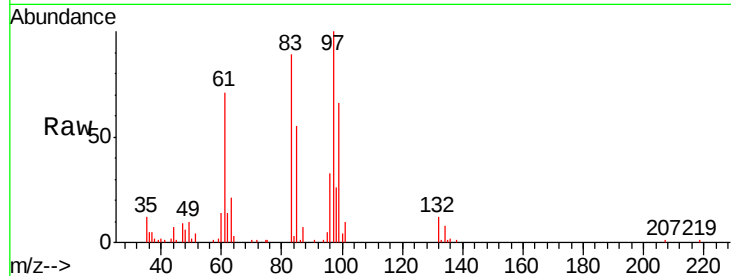
ClientSampleId :

VF1210SBS01

Tgt Ion:	97	Resp:	36227
Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.8	101.6
85	54.8	45.0	67.6
99	65.5	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#56

Ethyl methacrylate

Concen: 23.211 ug/l

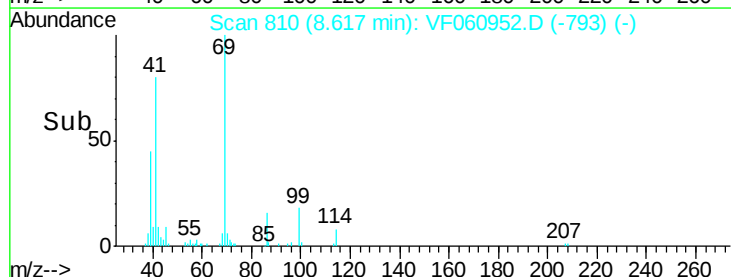
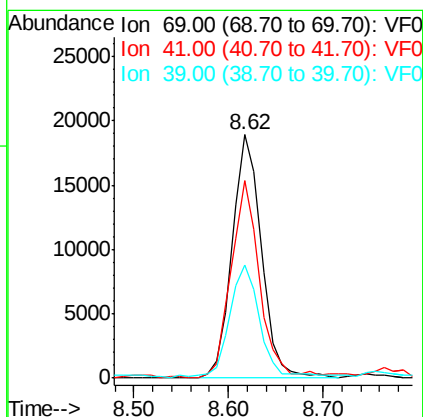
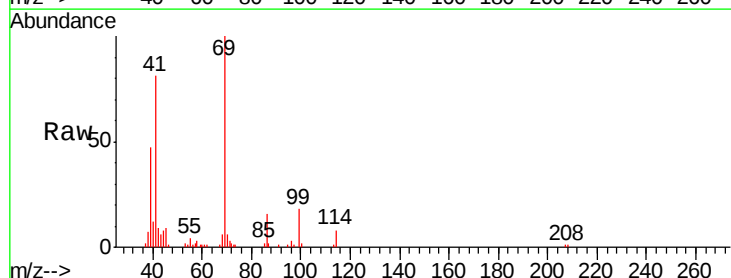
RT: 8.62 min Scan# 810

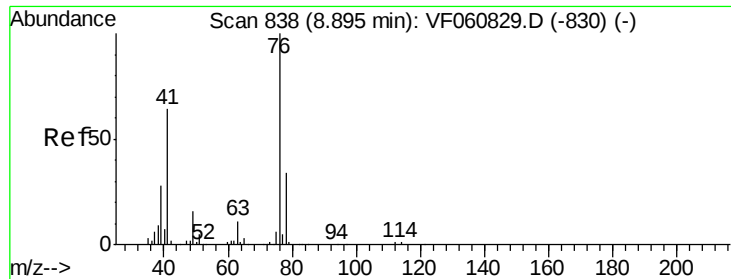
Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	69	Resp:	40684
Ion	Ratio	Lower	Upper
69	100		
41	81.2	62.6	94.0
39	46.5	37.8	56.6





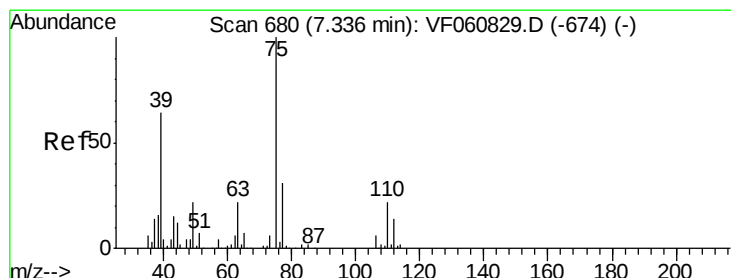
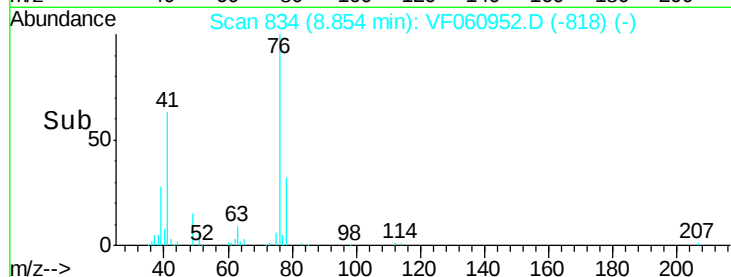
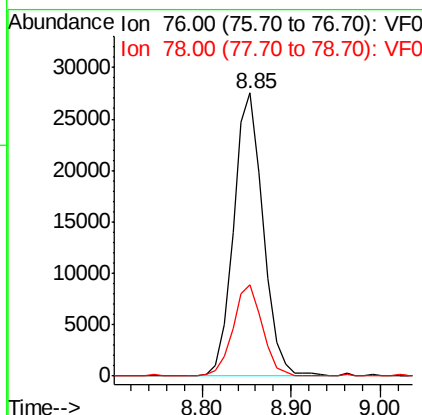
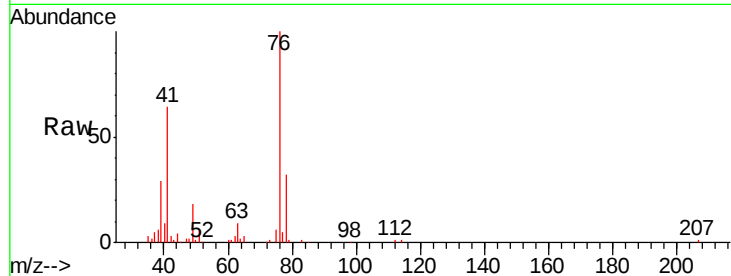
#57
 1,3-Dichloropropane
 Concen: 22.987 ug/l
 RT: 8.85 min Scan# 834
 Delta R.T. -0.04 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBS01

Tgt Ion: 76 Resp: 63455
 Ion Ratio Lower Upper
 76 100
 78 32.2 27.0 40.4

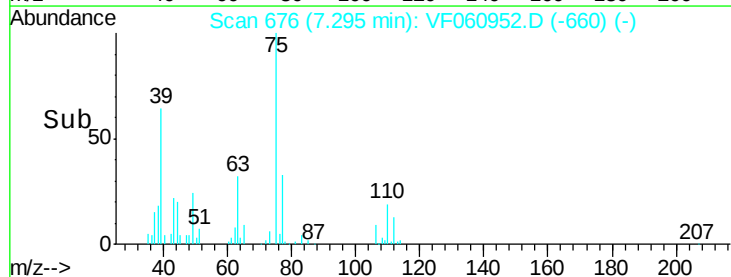
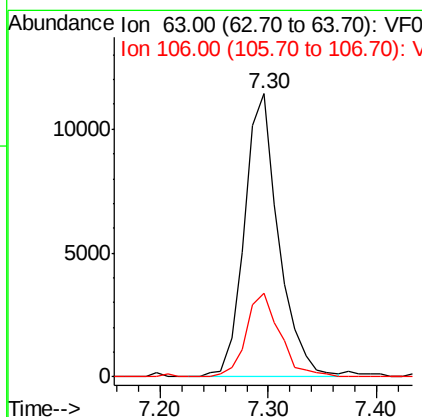
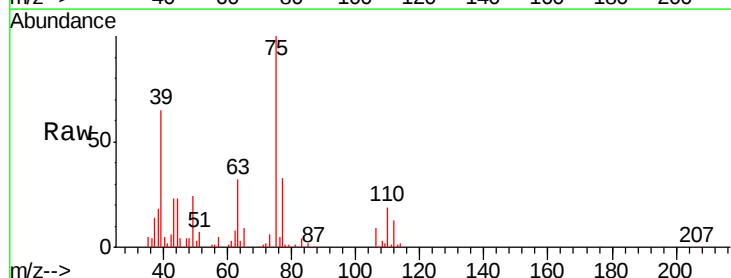
Manual Integrations
 APPROVED

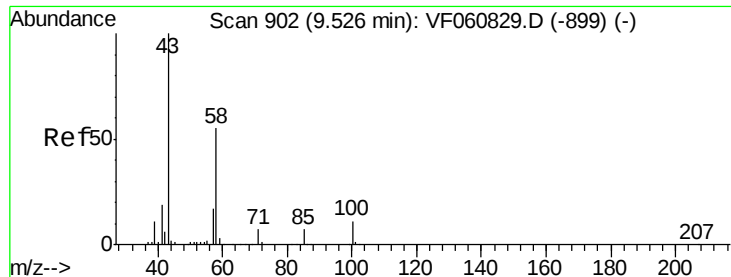
MMDadoda
 12/11/2018 4:15:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 140.827 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.04 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Tgt Ion: 63 Resp: 25248
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.0 34.6





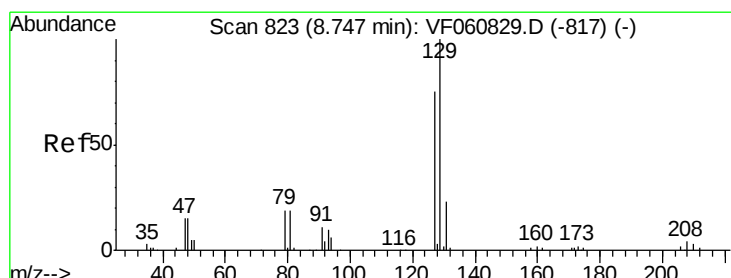
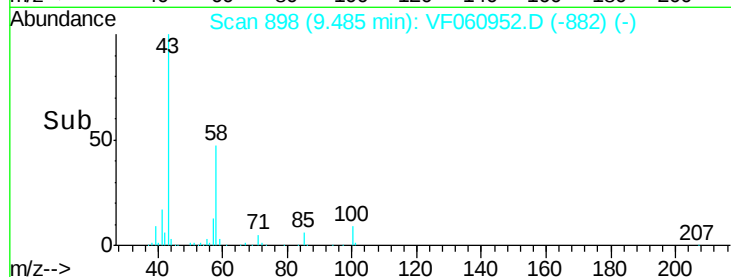
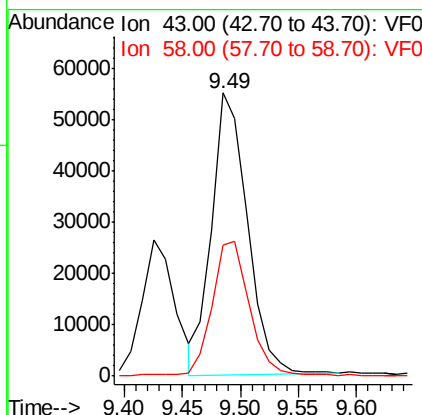
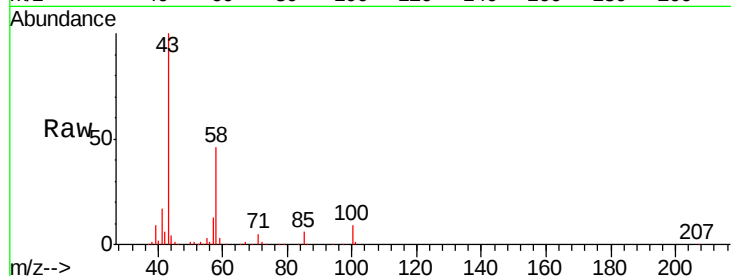
#59
2-Hexanone
Concen: 128.014 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion: 43 Resp: 117440
Ion Ratio Lower Upper
43 100
58 46.4 25.6 76.6

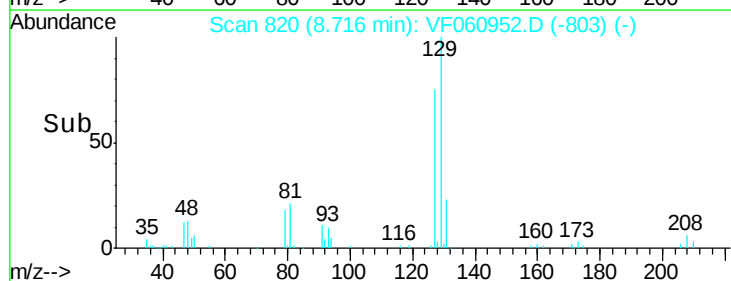
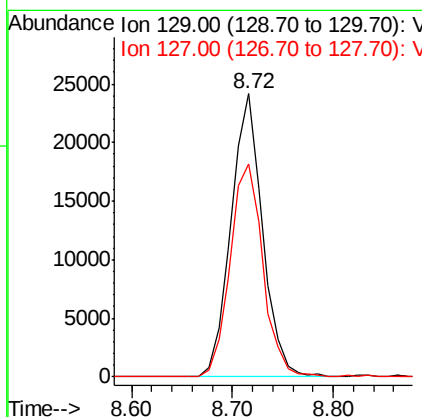
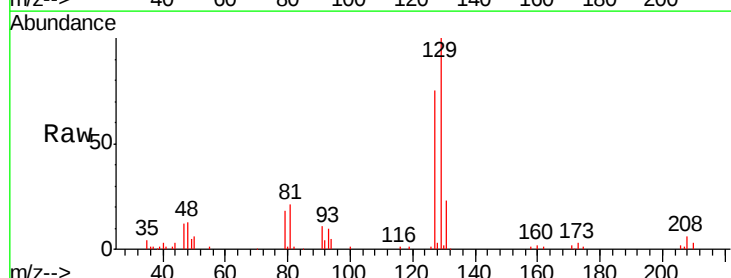
Manual Integrations
APPROVED

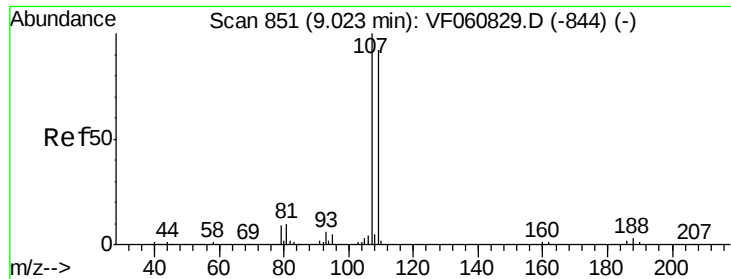
MMDadoda
12/11/2018 4:15:36 PM



#60
Dibromochloromethane
Concen: 22.326 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.03 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion: 129 Resp: 52487
Ion Ratio Lower Upper
129 100
127 75.1 37.3 111.9





#61

1,2-Dibromoethane

Concen: 22.409 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 107 Resp: 38197

Ion Ratio Lower Upper

107 100

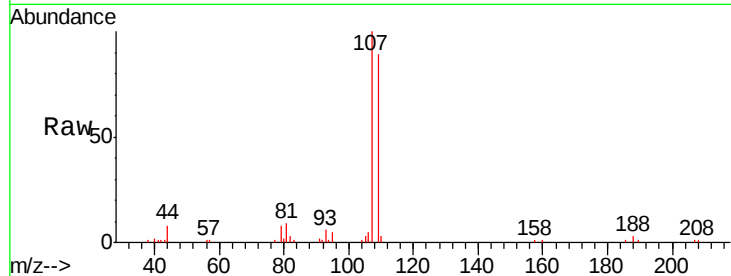
109 88.6 73.6 110.4

Manual Integrations

APPROVED

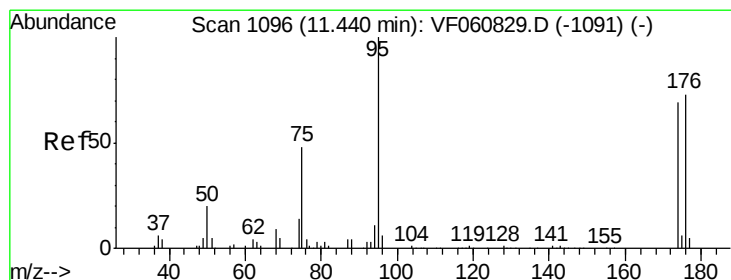
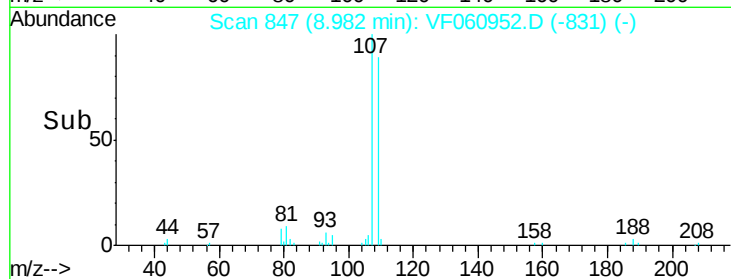
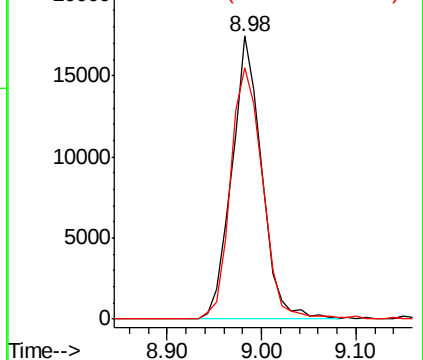
MMDadoda

12/11/2018 4:15:36 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.404 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

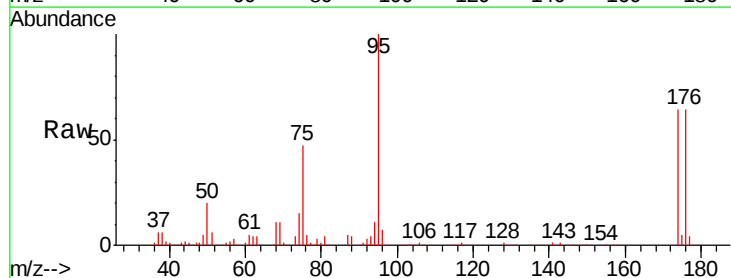
Tgt Ion: 95 Resp: 165078

Ion Ratio Lower Upper

95 100

174 63.6 0.0 138.2

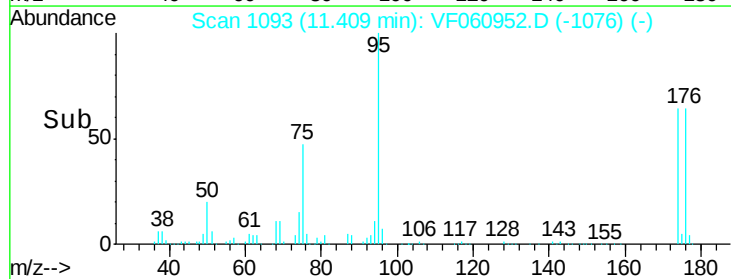
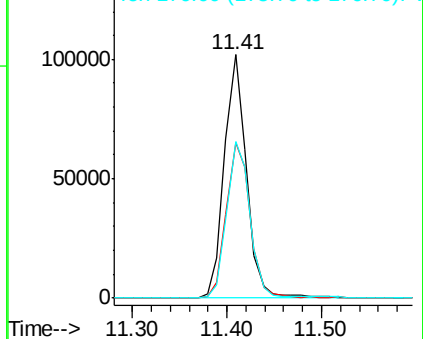
176 64.1 0.0 146.2

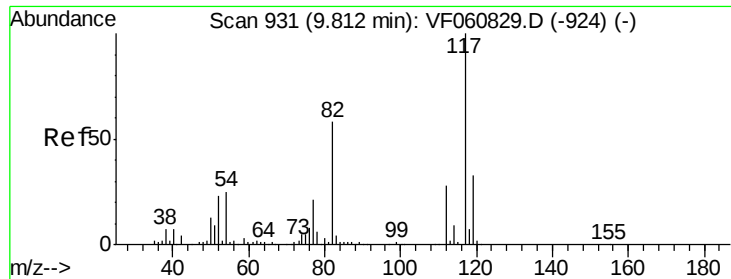


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





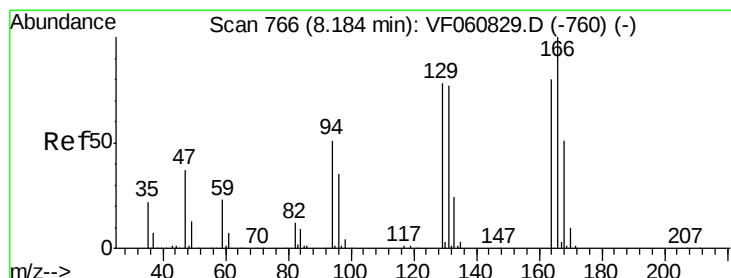
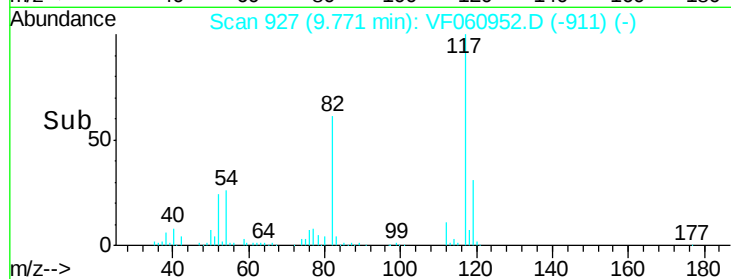
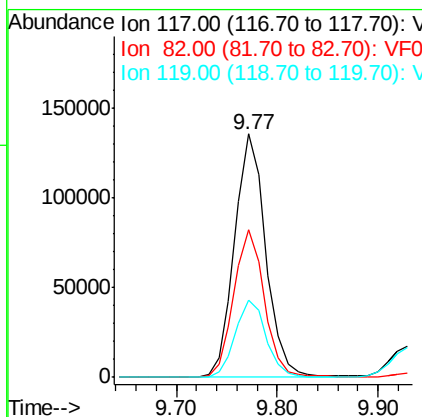
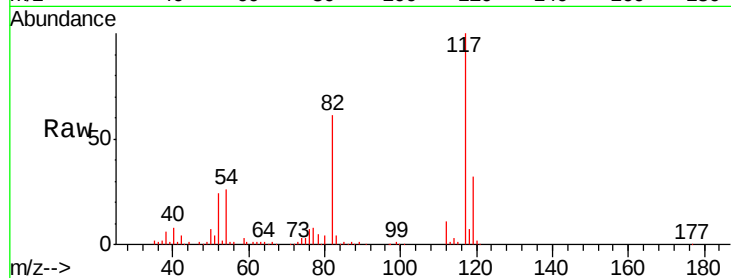
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	292234		
82	60.6	46.6	69.8	
119	31.6	26.4	39.6	

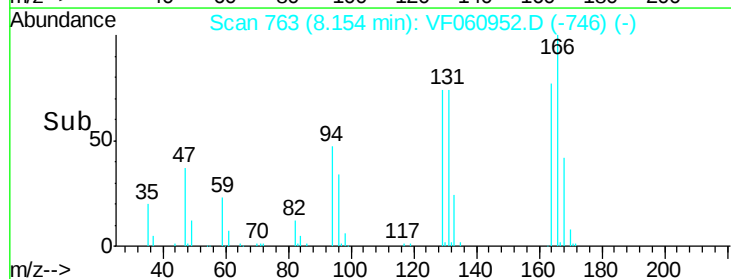
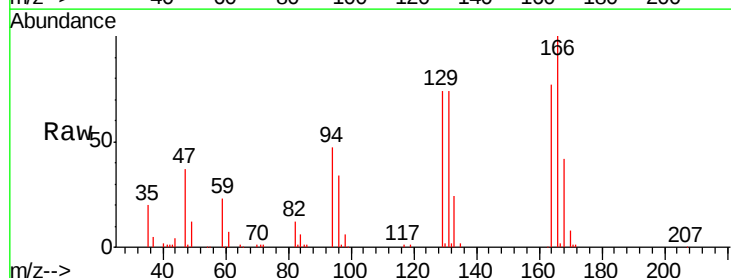
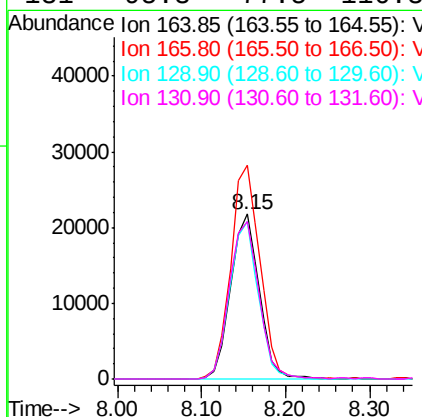
Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#64
Tetrachloroethene
Concen: 23.073 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.03 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51501		
166	129.4	100.3	150.5	
129	95.3	77.9	116.9	
131	95.3	77.5	116.3	





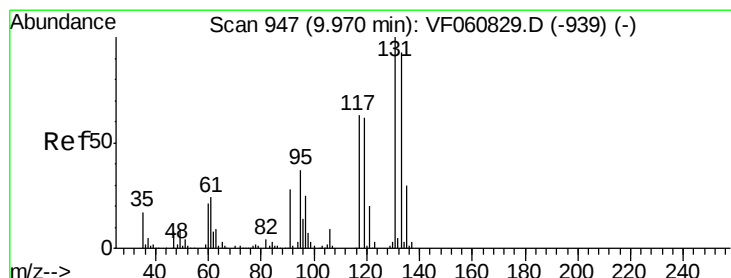
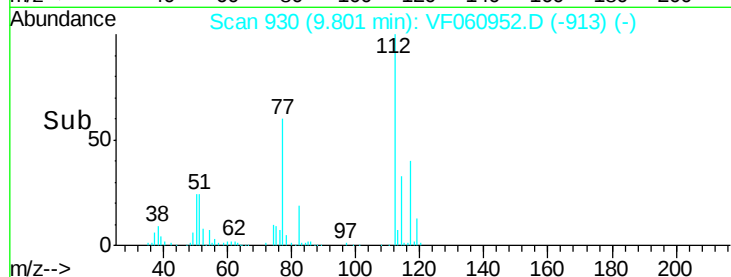
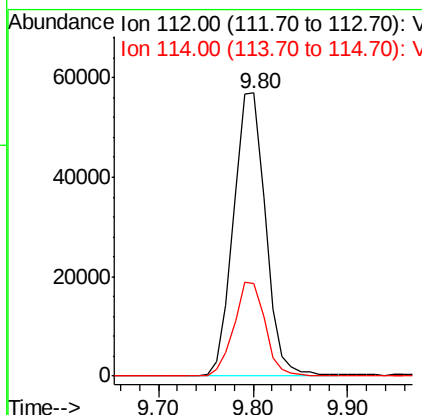
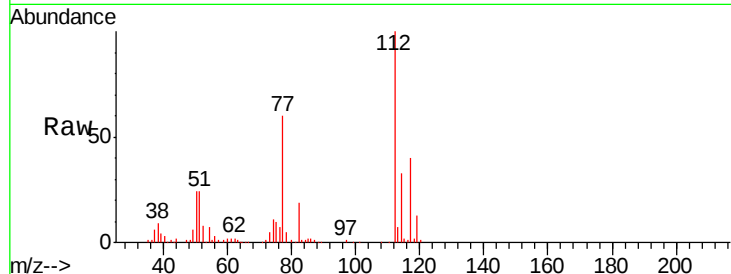
#65
Chlorobenzene
Concen: 23.597 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.03 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion:112 Resp: 134150
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

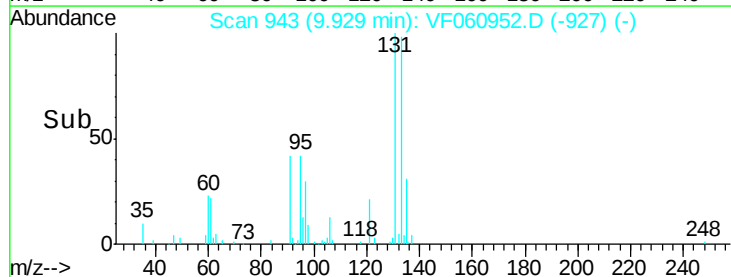
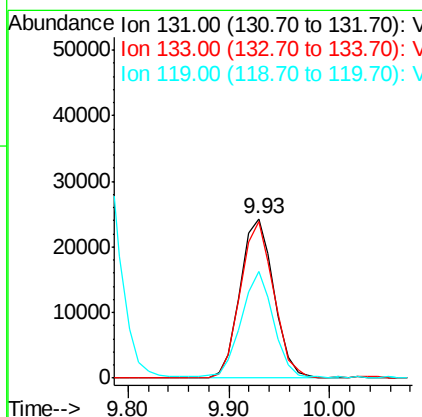
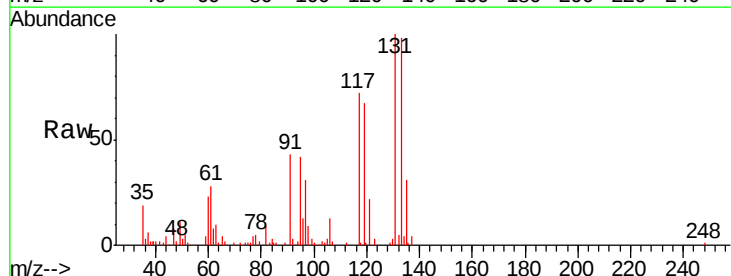
Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.304 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion:131 Resp: 56955
Ion Ratio Lower Upper
131 100
133 98.3 46.5 139.3
119 67.0 31.1 93.3





#67

Ethyl Benzene

Concen: 24.361 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

Tgt Ion: 91 Resp: 257835

Ion Ratio Lower Upper

91 100

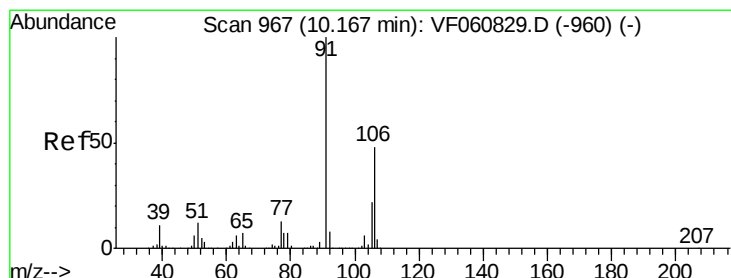
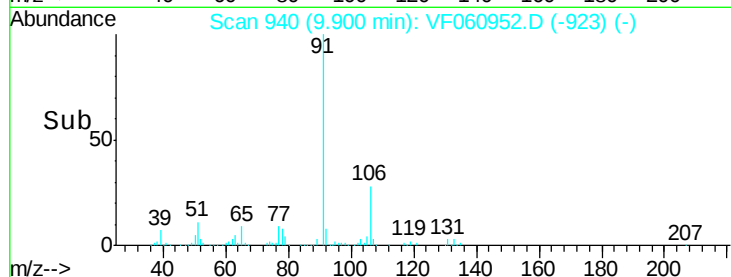
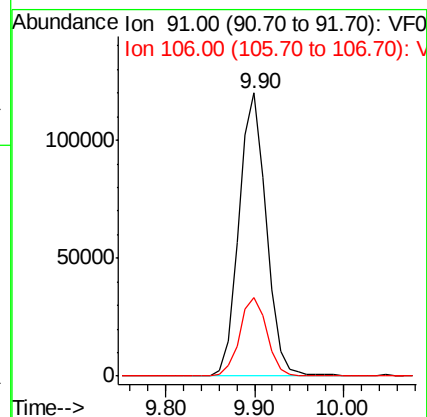
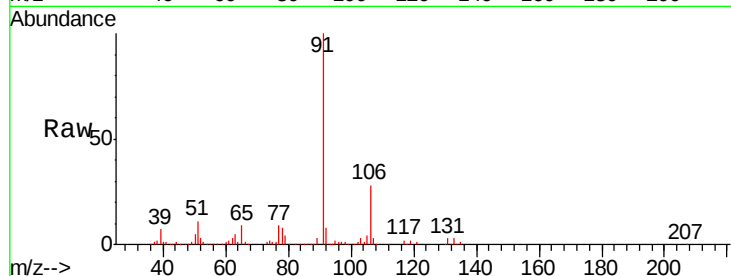
106 27.8 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:36 PM



#68

m/p-Xylenes

Concen: 48.095 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF060952.D

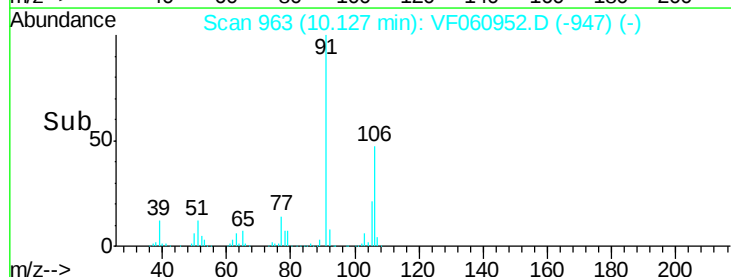
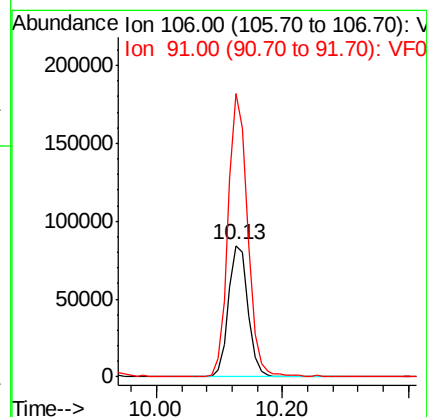
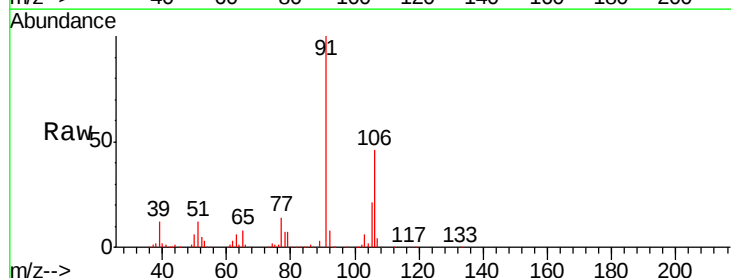
Acq: 10 Dec 2018 14:30

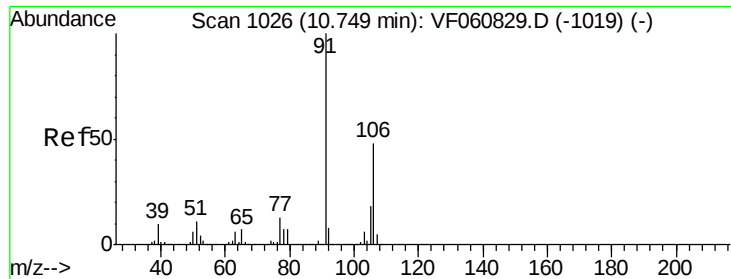
Tgt Ion: 106 Resp: 183079

Ion Ratio Lower Upper

106 100

91 215.1 166.7 250.1





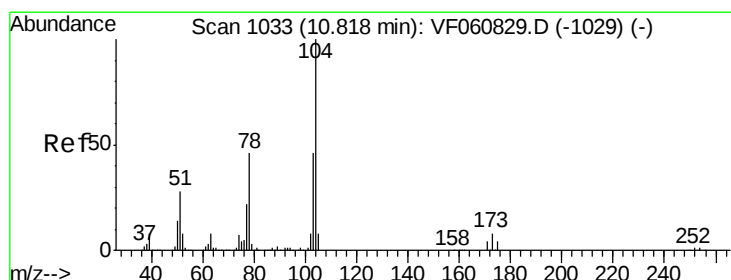
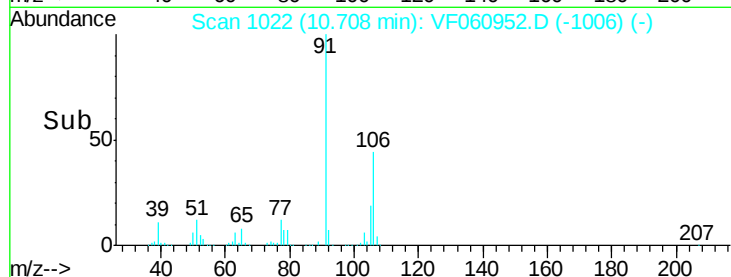
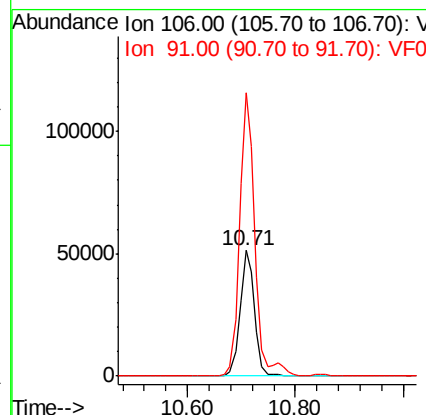
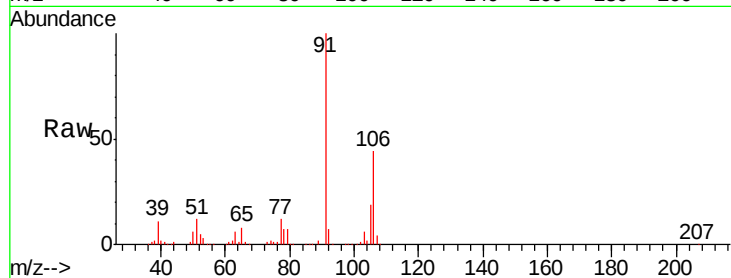
#69
o-Xylene
Concen: 23.089 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion:106 Resp: 96917
Ion Ratio Lower Upper
106 100
91 225.2 104.8 314.6

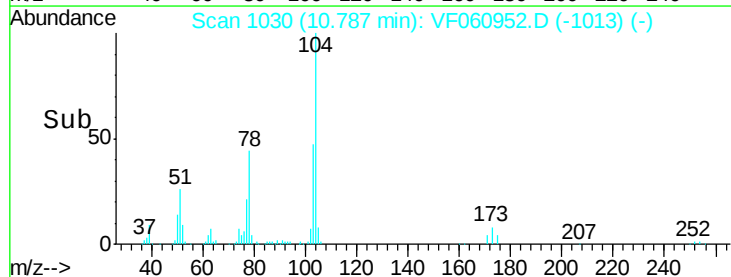
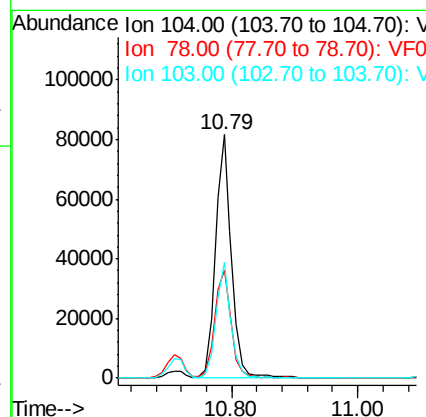
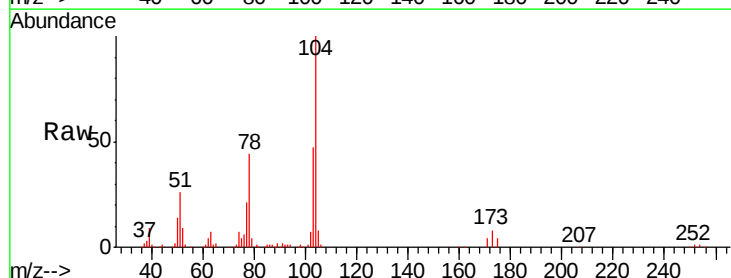
Manual Integrations
APPROVED

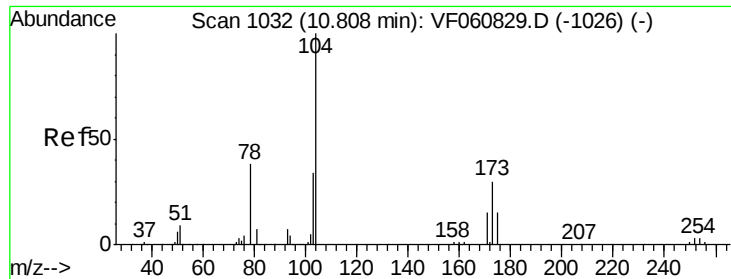
MMDadoda
12/11/2018 4:15:36 PM



#70
Styrene
Concen: 24.943 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion:104 Resp: 145134
Ion Ratio Lower Upper
104 100
78 44.3 37.3 55.9
103 47.3 36.8 55.2





#71

Bromoform

Concen: 23.247 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.04 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

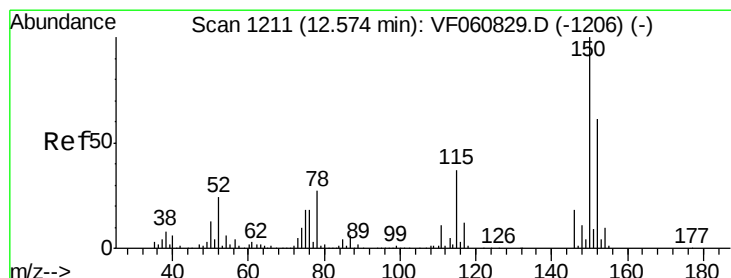
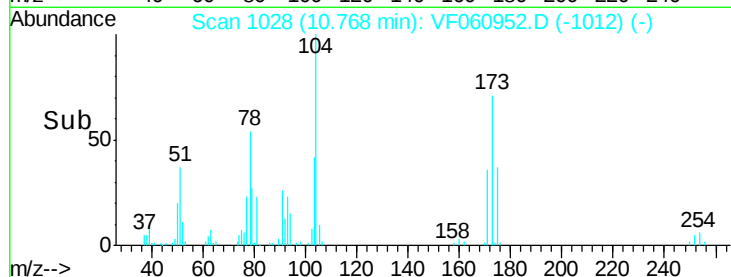
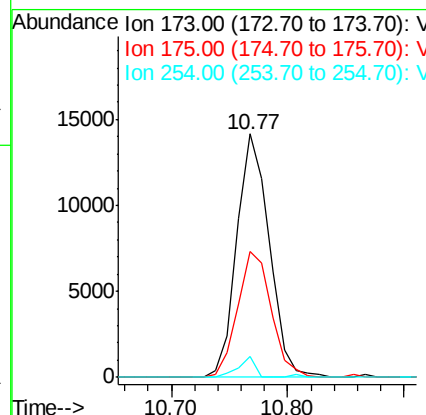
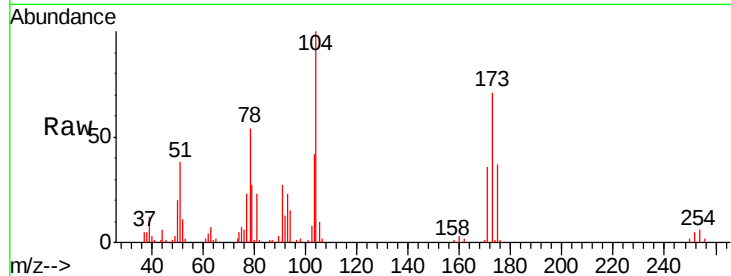
ClientSampleId :

VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.8	25.5	76.5
254	8.4	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

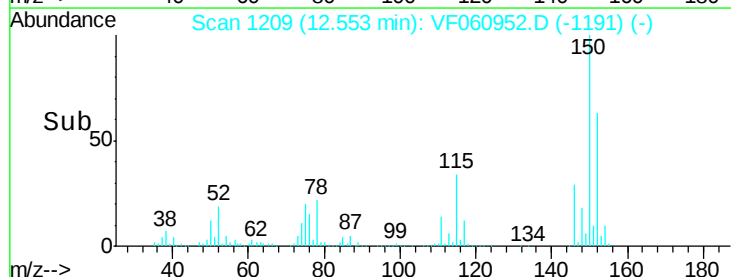
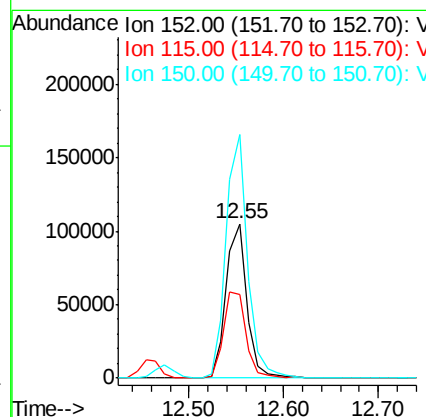
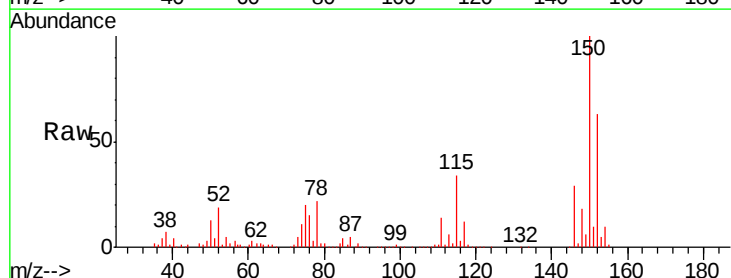
RT: 12.55 min Scan# 1209

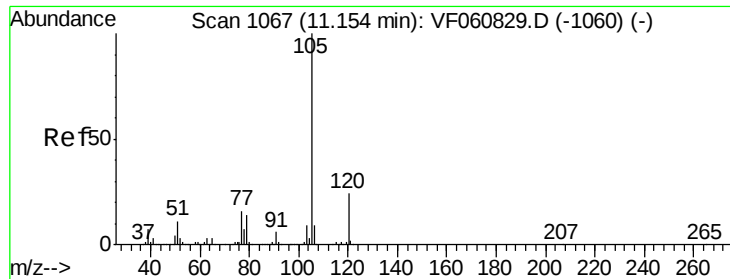
Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	30.1	90.5
150	158.0	0.0	327.6





#73

Isopropylbenzene

Concen: 23.582 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

ClientSampleId :

VF1210SBS01

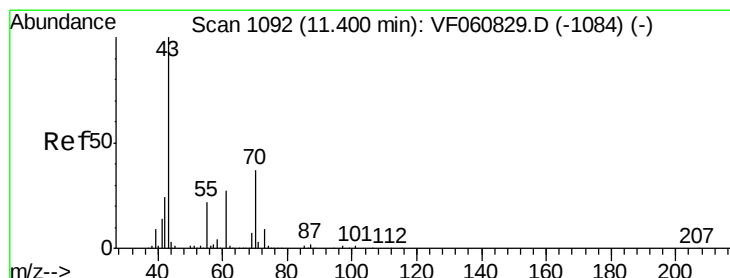
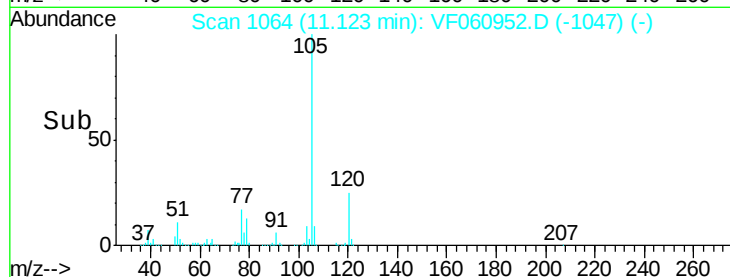
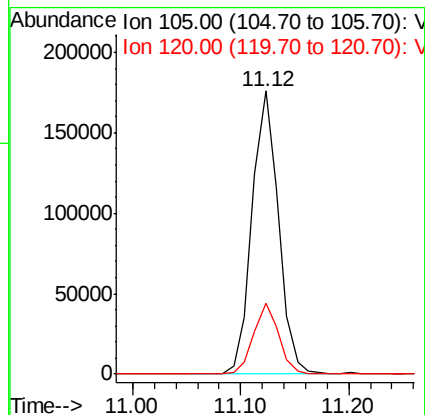
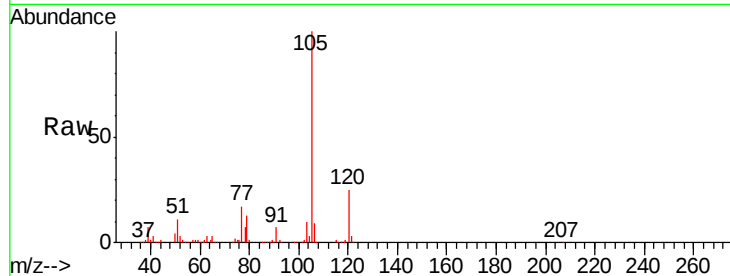
Tgt Ion: 105 Resp: 299051
Ion Ratio Lower Upper

105 100

120 25.0 12.2 36.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#74

N-ethyl acetate

Concen: 22.219 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

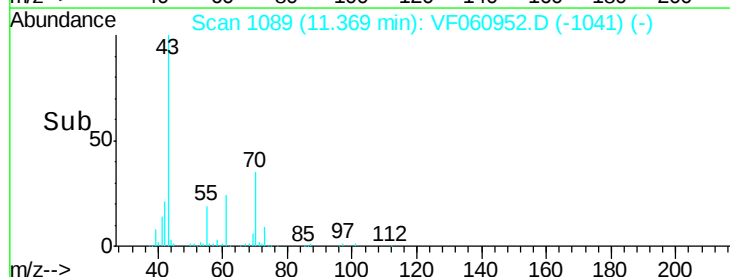
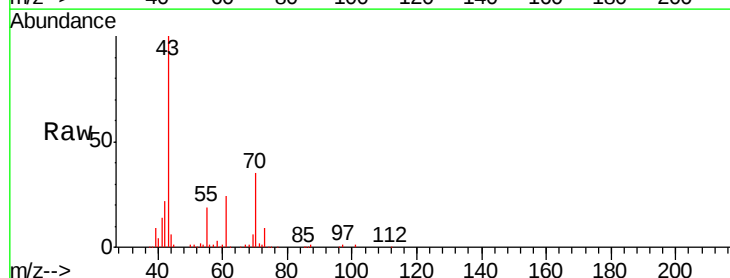
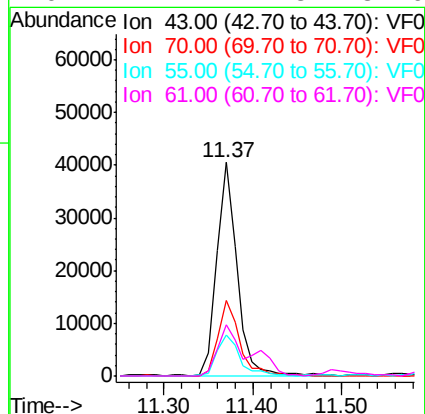
Tgt Ion: 43 Resp: 65065
Ion Ratio Lower Upper

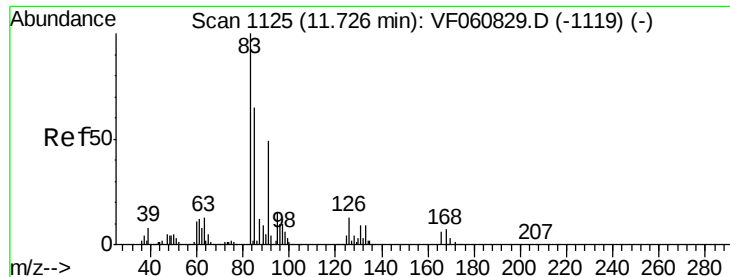
43 100

70 35.4 29.6 44.4

55 19.4 17.2 25.8

61 24.2 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.590 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

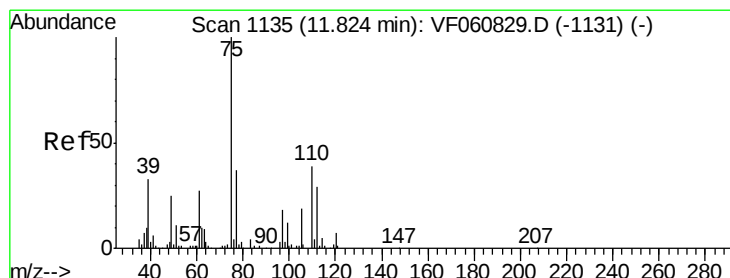
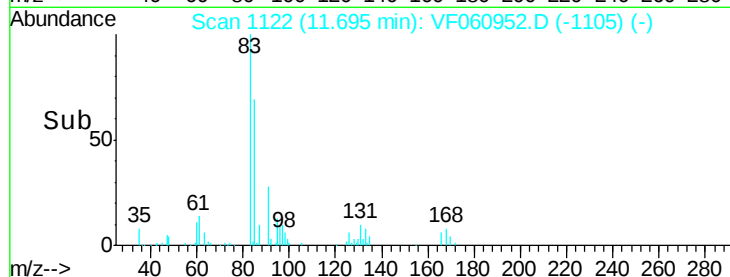
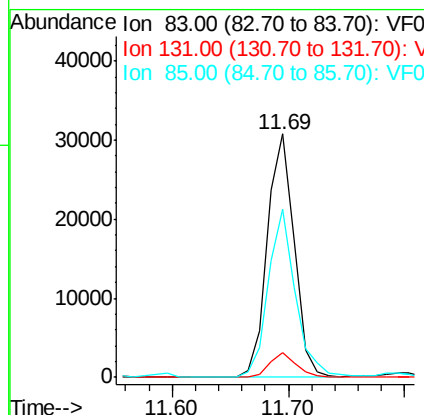
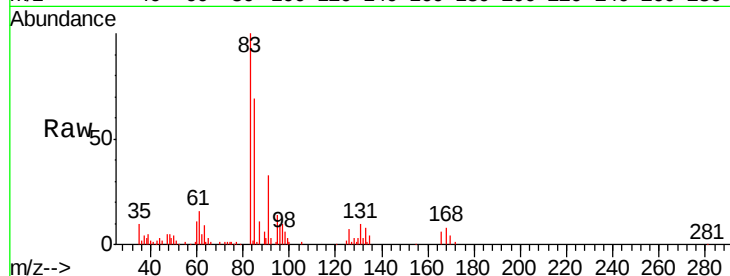
ClientSampleId :

VF1210SBS01

Tgt Ion:	83	Resp:	49235
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.7	14.1
85	69.0	32.6	97.8

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#76

1,2,3-Trichloropropane

Concen: 23.231 ug/l

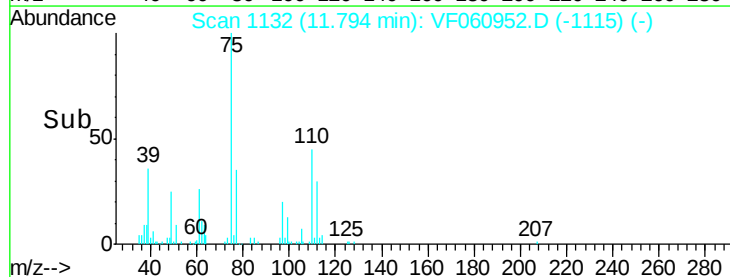
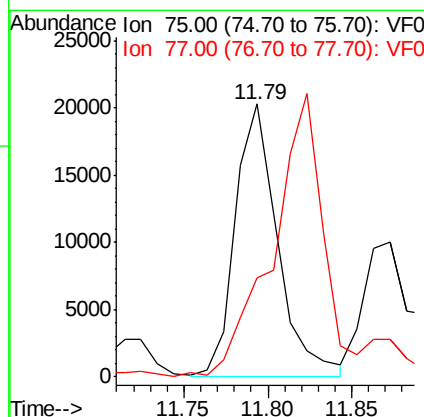
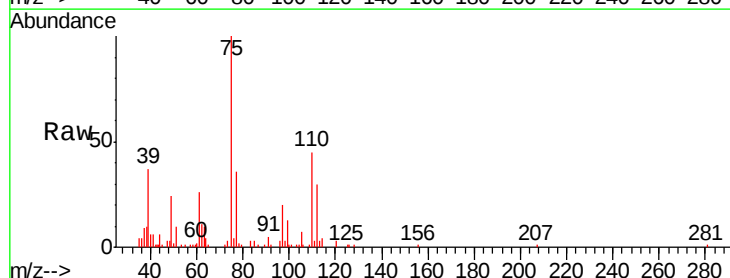
RT: 11.79 min Scan# 1132

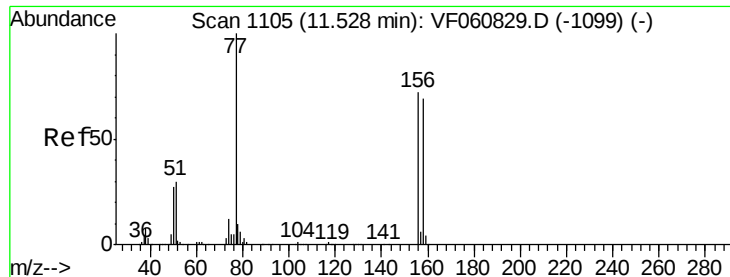
Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	75	Resp:	35243
Ion Ratio	Lower	Upper	
75	100		
77	36.1	18.4	55.4





#77

Bromobenzene

Concen: 22.643 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

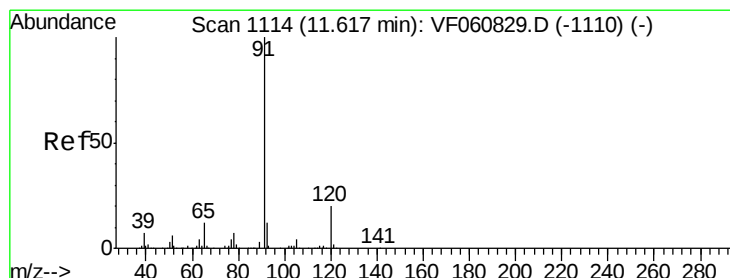
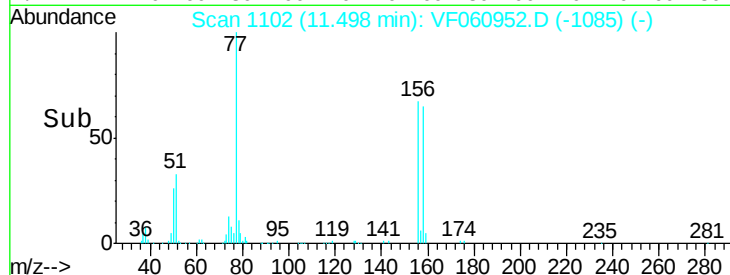
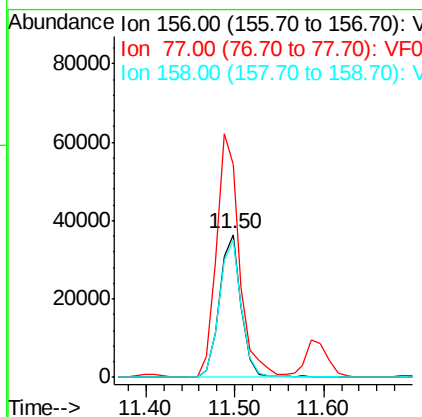
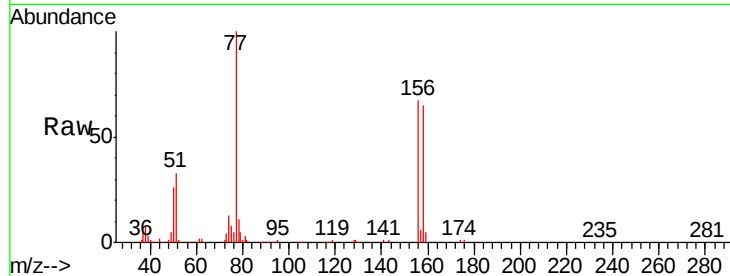
ClientSampleId :

VF1210SBS01

Tgt Ion:	156	Resp:	62953
Ion Ratio	Lower	Upper	
156	100		
77	148.7	69.7	209.0
158	96.2	47.8	143.4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#78

n-propylbenzene

Concen: 24.033 ug/l

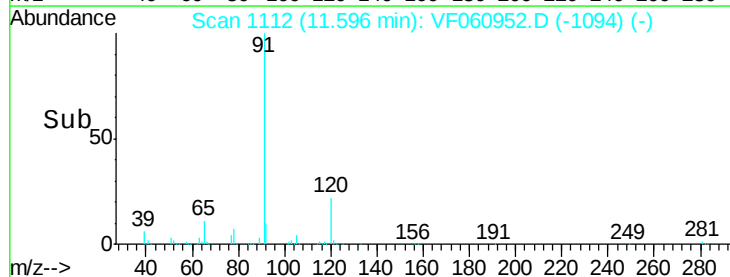
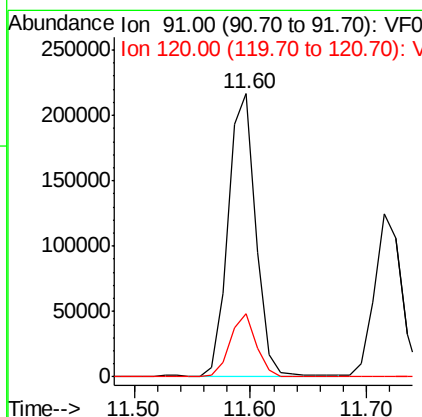
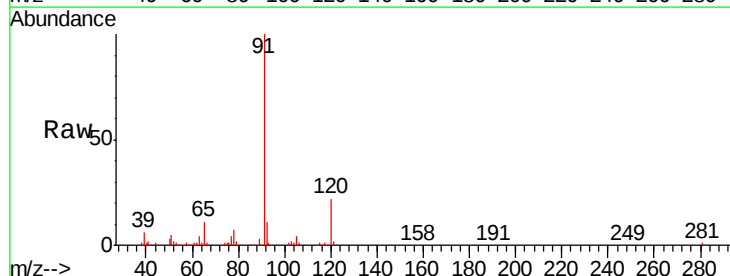
RT: 11.60 min Scan# 1112

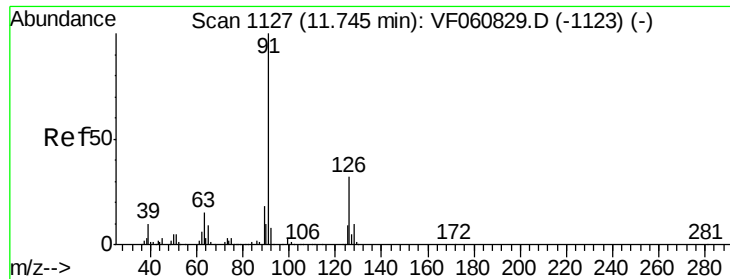
Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	91	Resp:	356912
Ion Ratio	Lower	Upper	
91	100		
120	22.1	10.3	30.8





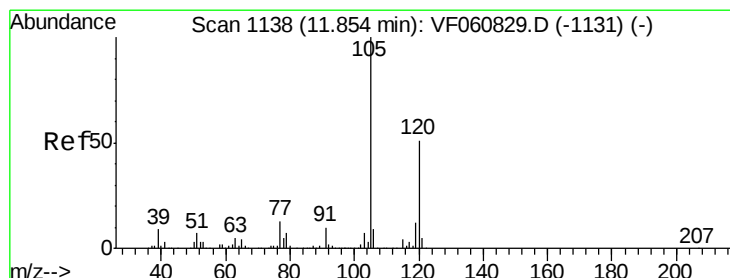
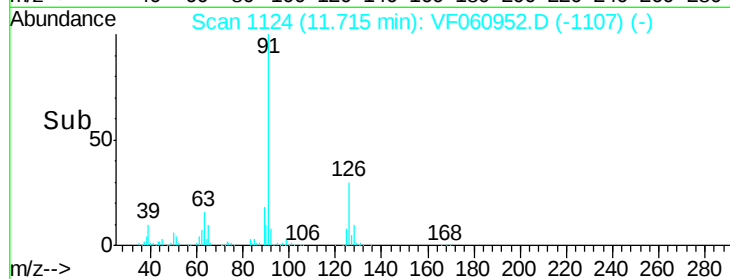
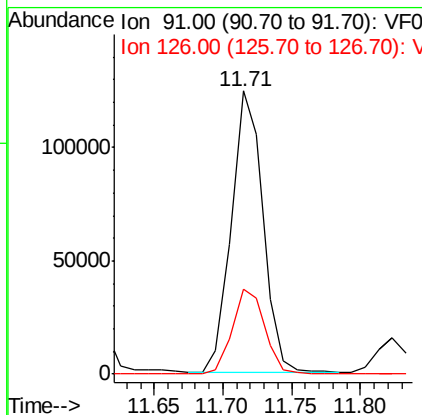
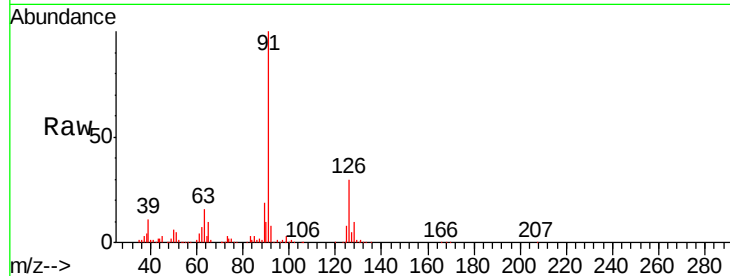
#79
 2-Chlorotoluene
 Concen: 23.130 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.03 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.9	47.6

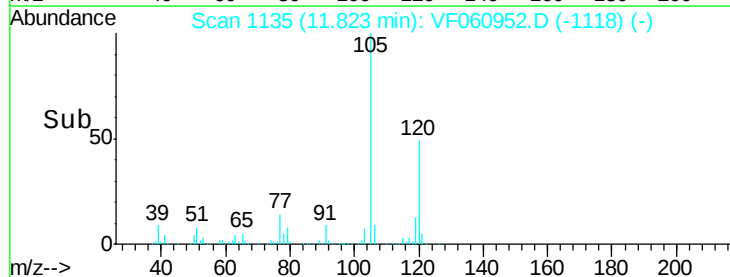
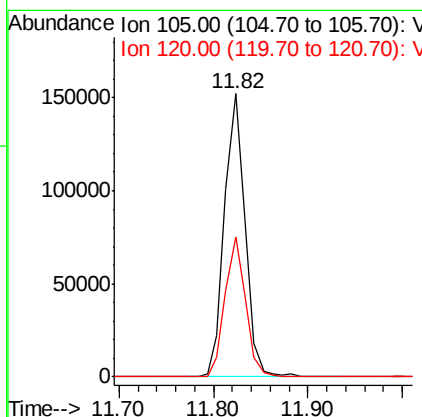
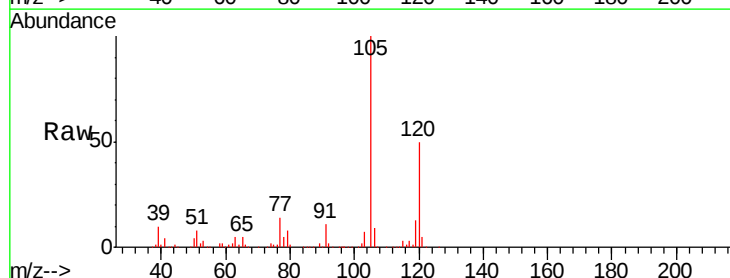
Manual Integrations
 APPROVED

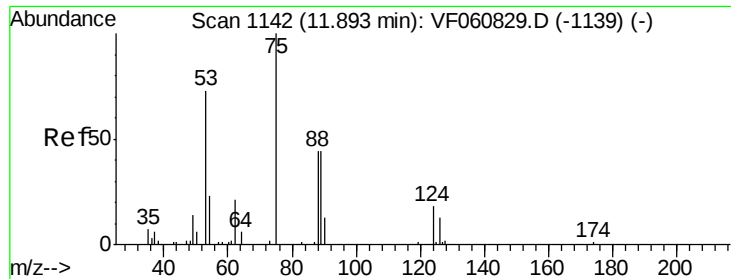
MMDadoda
 12/11/2018 4:15:36 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.426 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.03 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.8	77.3





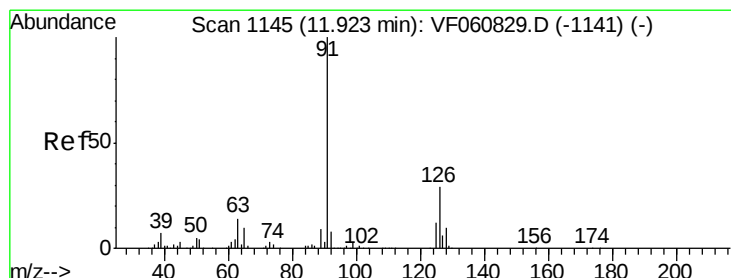
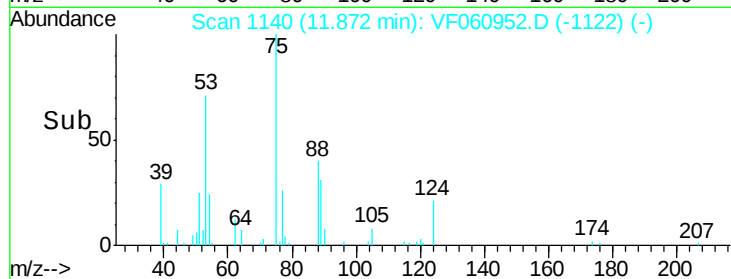
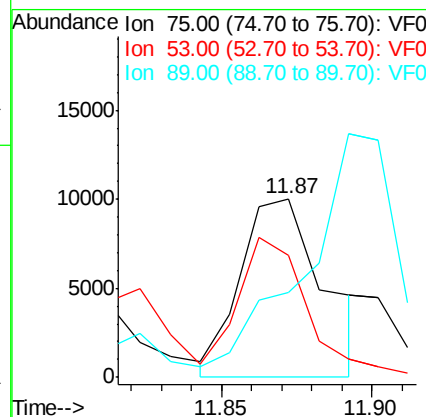
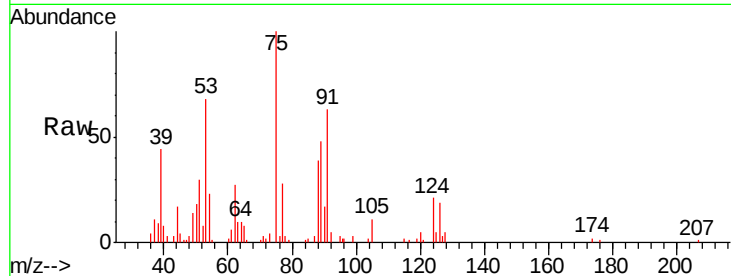
#81
trans-1,4-Dichloro-2-butene
Concen: 26.070 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	68.2	65.9	98.9
89	47.6	38.8	58.2

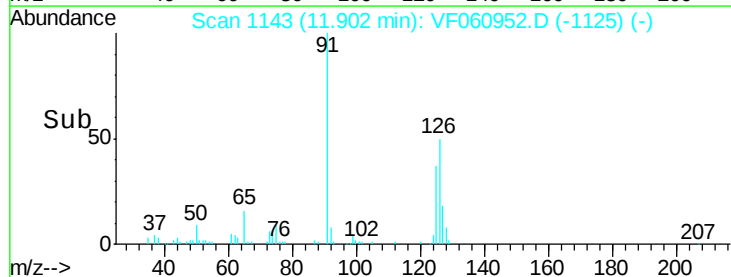
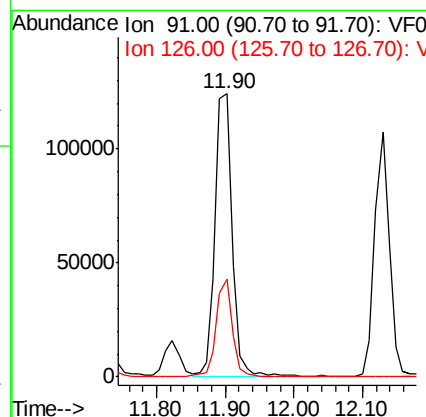
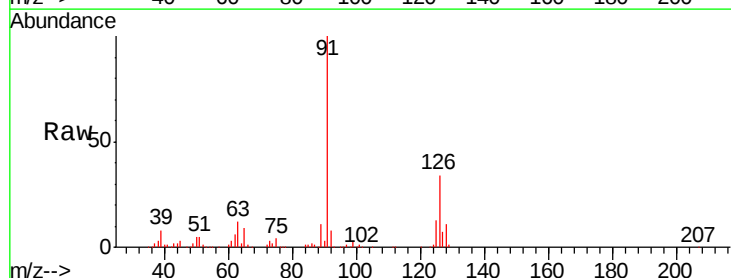
Manual Integrations
APPROVED

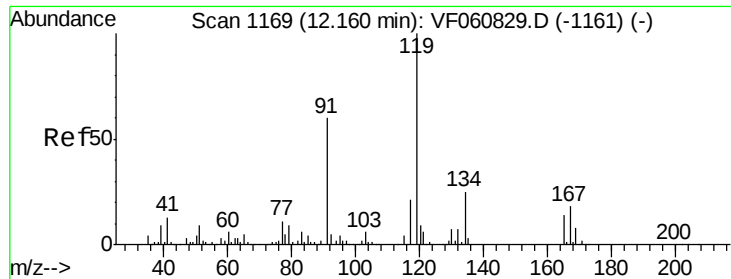
MMDadoda
12/11/2018 4:15:36 PM



#82
4-Chlorotoluene
Concen: 24.127 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.02 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	14.8	44.4





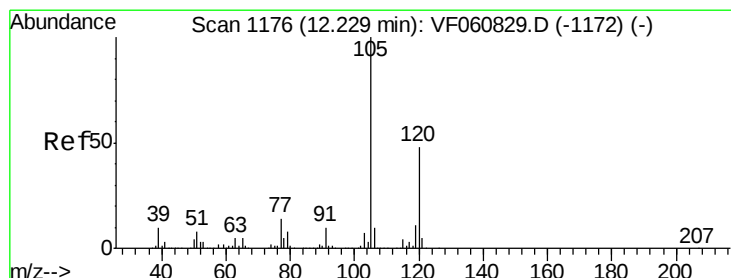
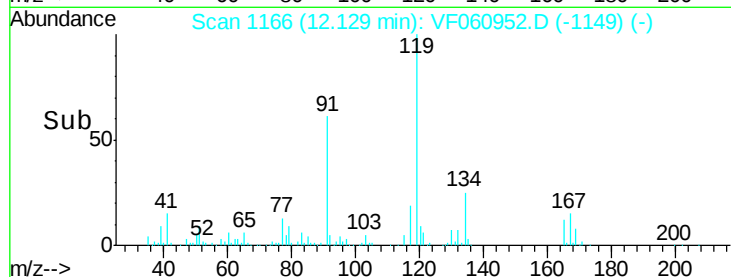
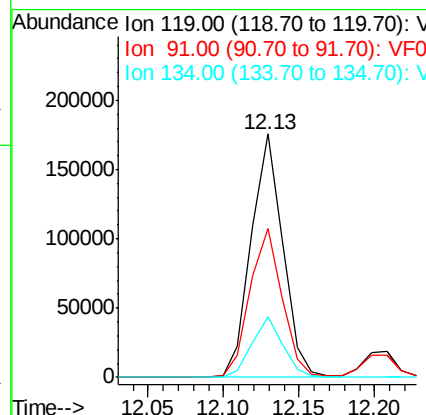
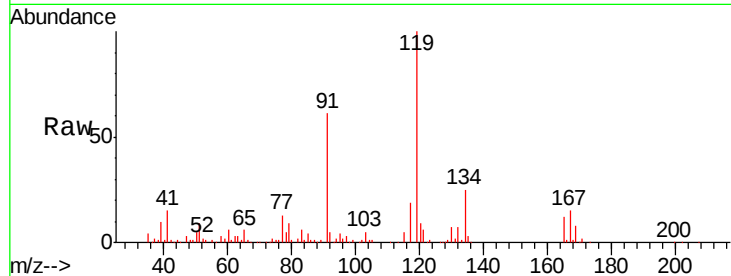
#83
tert-Butylbenzene
Concen: 24.762 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	259679		
91	61.3	30.1	90.3	
134	25.0	12.6	37.8	

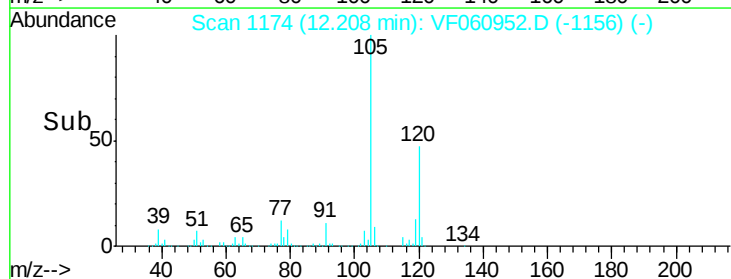
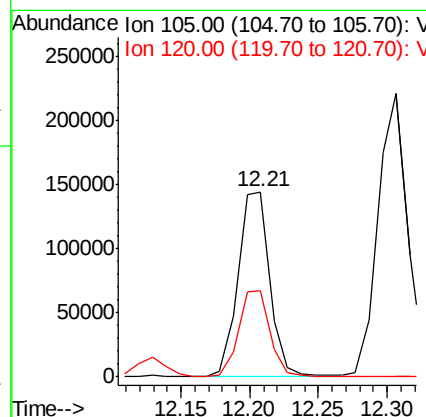
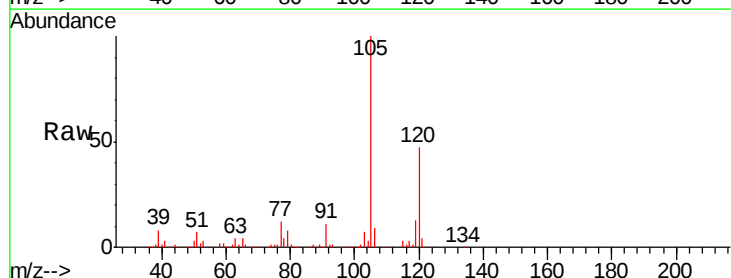
Manual Integrations
APPROVED

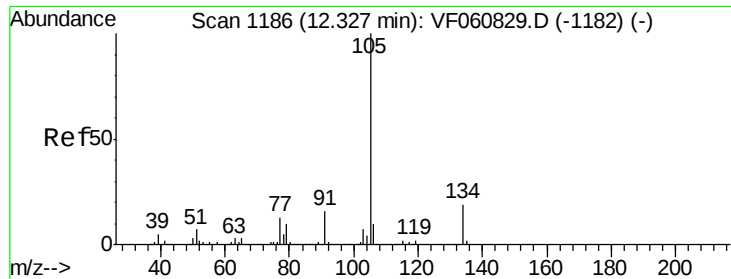
MMDadoda
12/11/2018 4:15:36 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.806 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234325		
120	46.7	23.8	71.5	





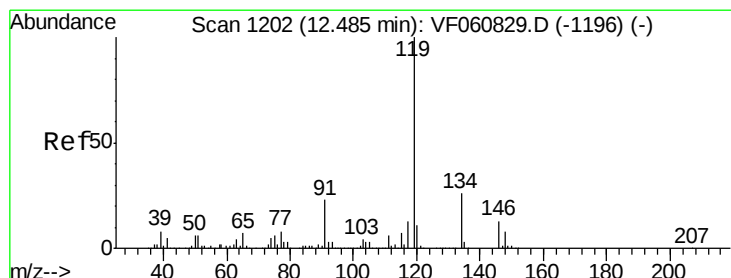
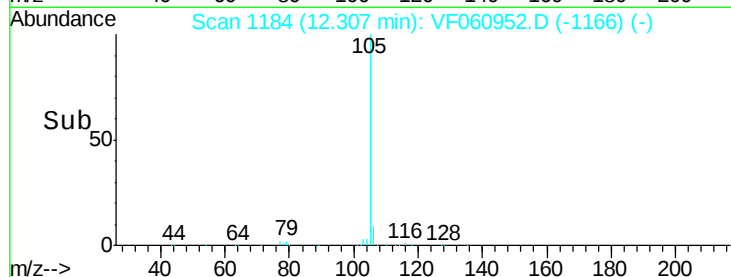
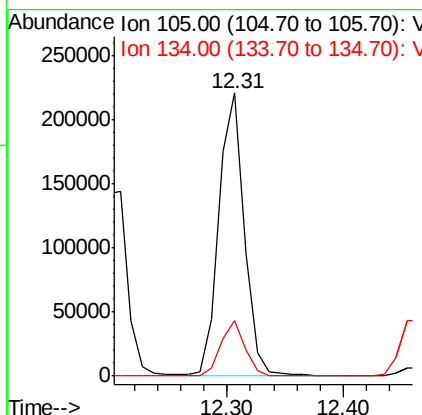
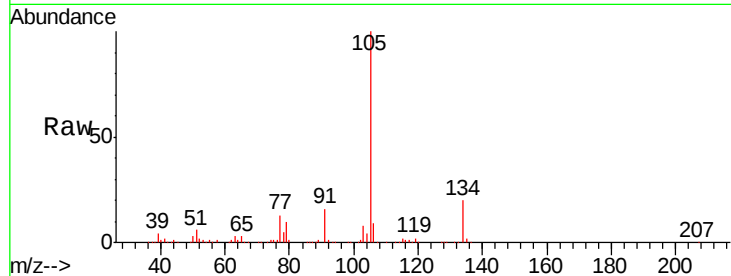
#85
 sec-Butylbenzene
 Concen: 23.284 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	334257		
134	19.7	9.5	28.5	

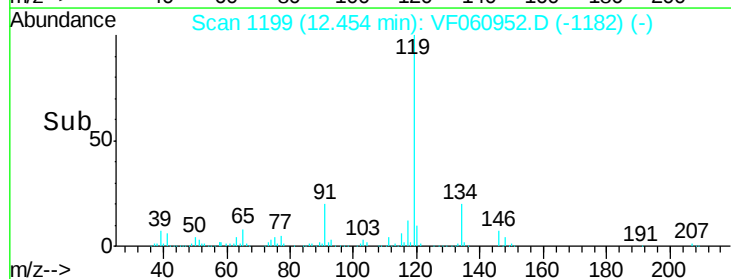
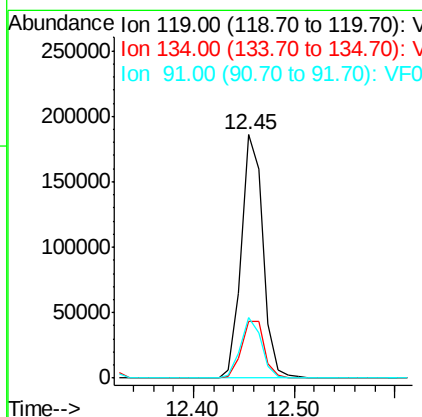
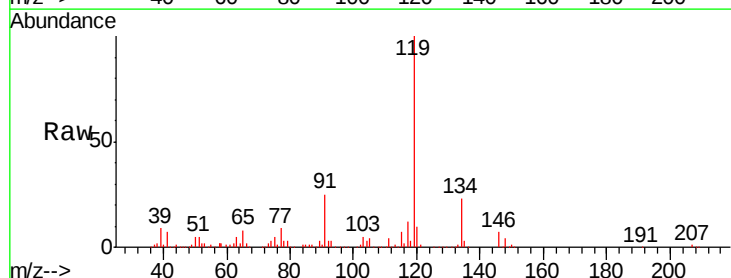
Manual Integrations
 APPROVED

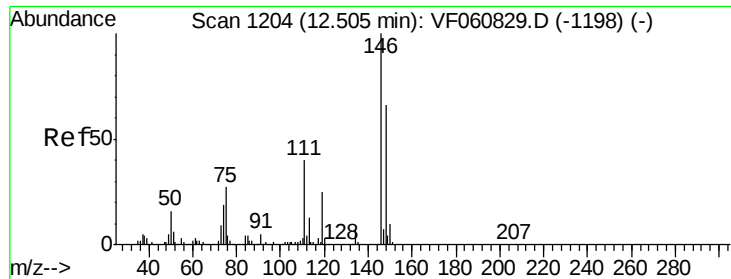
MMDadoda
 12/11/2018 4:15:36 PM



#86
 p-Isopropyltoluene
 Concen: 23.096 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	277978		
134	23.3	12.9	38.6	
91	24.7	11.8	35.3	





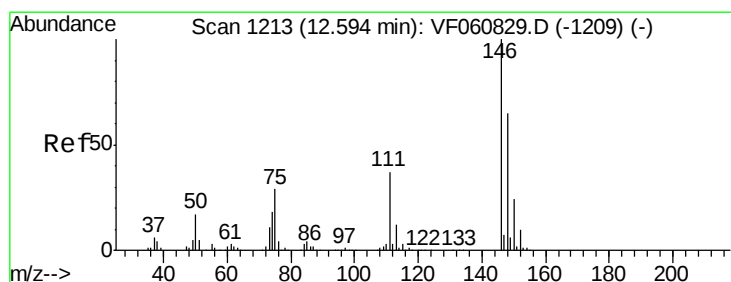
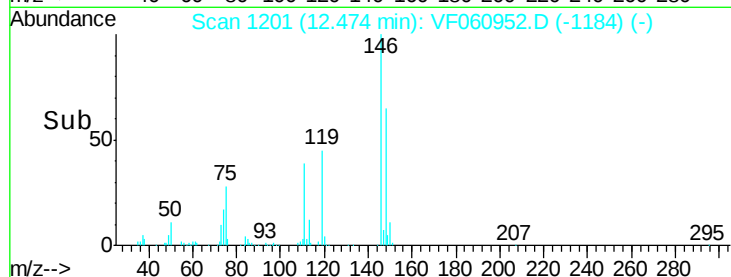
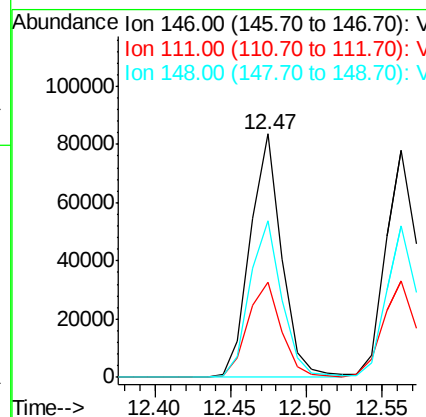
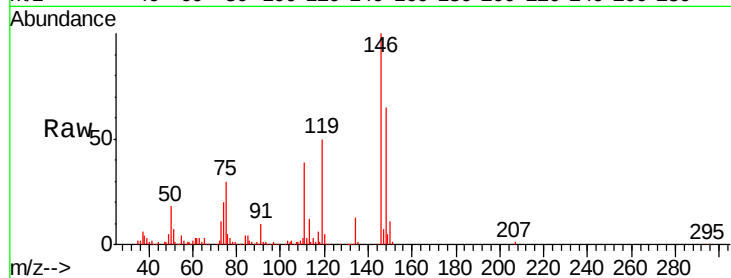
#87
 1,3-Dichlorobenzene
 Concen: 23.088 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	59.9
148	64.6	32.9	98.6

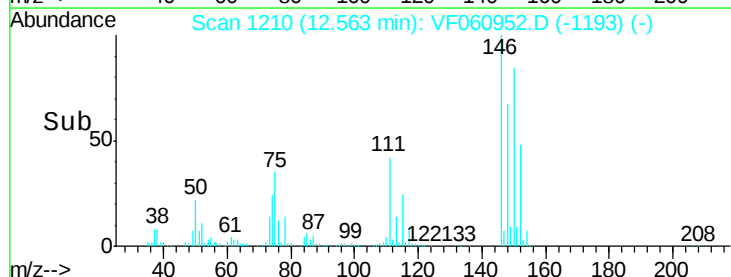
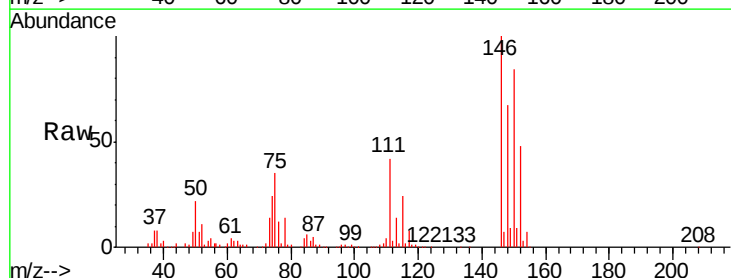
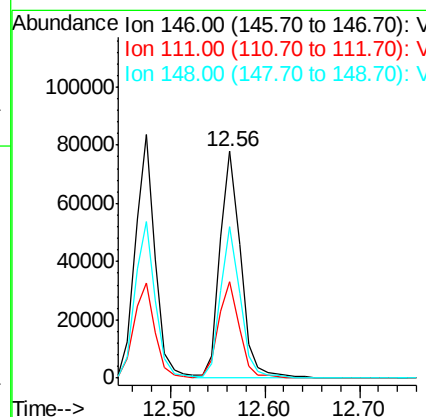
Manual Integrations
 APPROVED

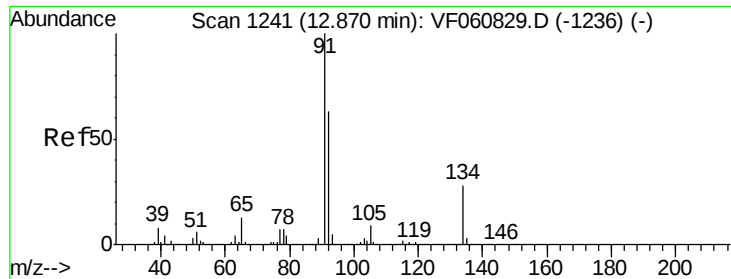
MMDadoda
 12/11/2018 4:15:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 23.007 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.03 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	18.9	56.7
148	66.6	32.3	96.9





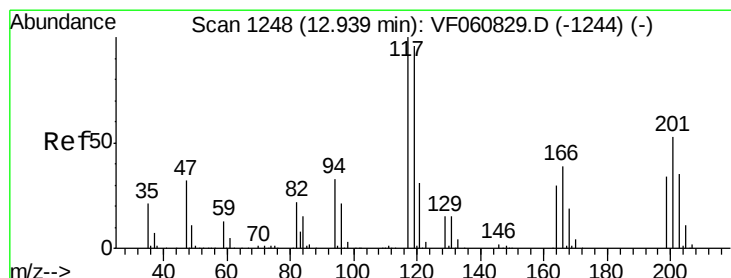
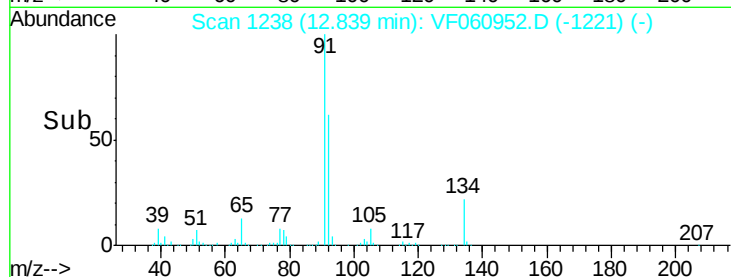
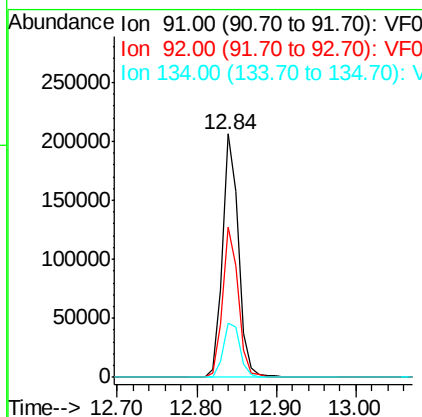
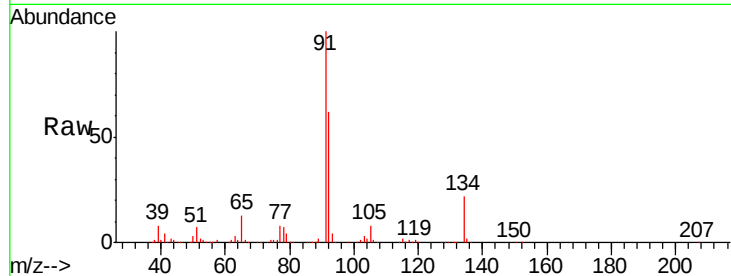
#89
n-Butylbenzene
Concen: 24.082 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Instrument :
MSVOA_F
ClientSampleId :
VF1210SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.7	31.6	94.7
134	22.1	13.8	41.4

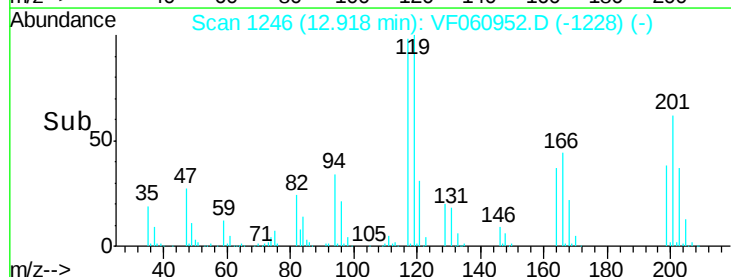
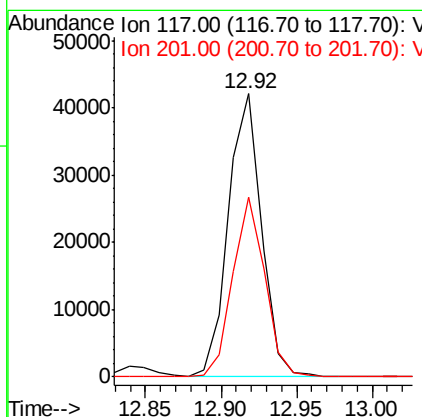
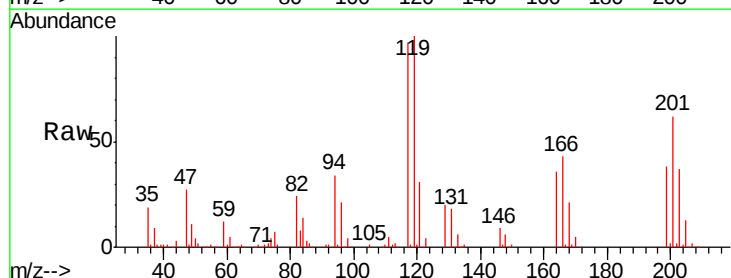
Manual Integrations
APPROVED

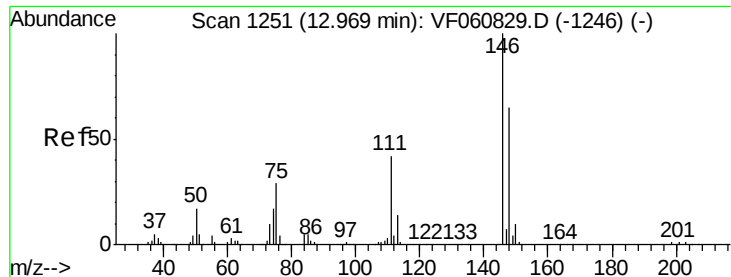
MMDadoda
12/11/2018 4:15:36 PM



#90
Hexachloroethane
Concen: 22.148 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060952.D
Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.5	26.7	80.1





#91

1,2-Dichlorobenzene

Concen: 23.288 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

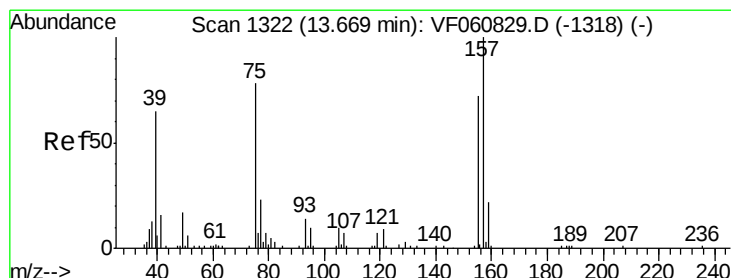
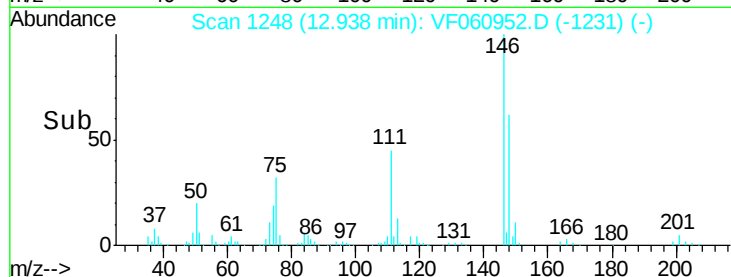
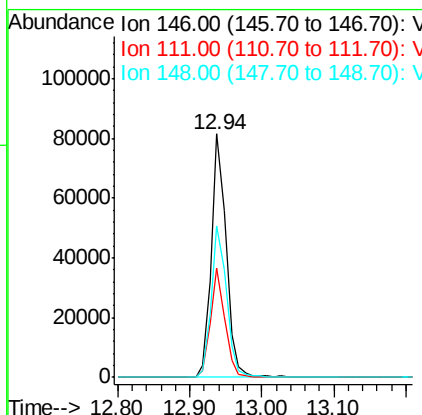
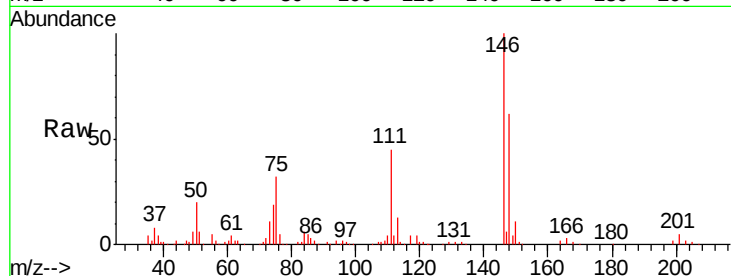
ClientSampleId :

VF1210SBS01

Tgt Ion:	146	Resp:	116630
Ion Ratio	Lower	Upper	
146	100		
111	45.0	21.2	63.6
148	62.2	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.845 ug/l

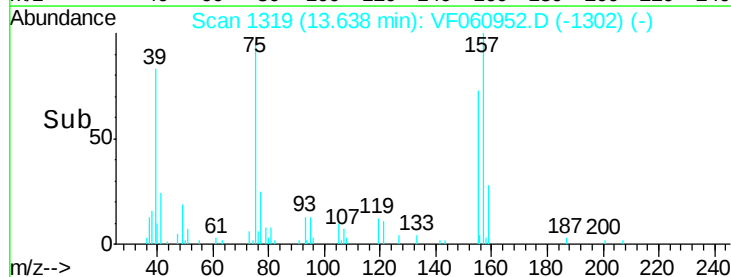
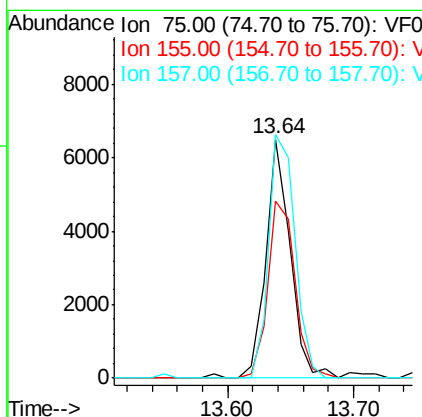
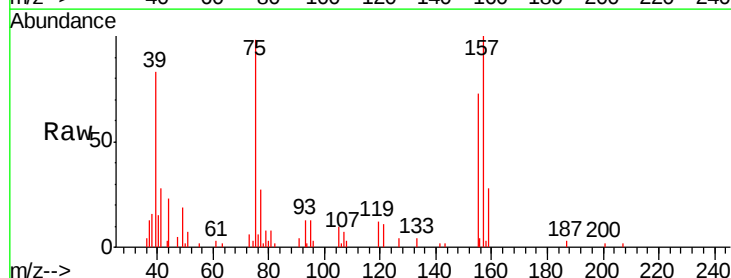
RT: 13.64 min Scan# 1319

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	75	Resp:	8815
Ion Ratio	Lower	Upper	
75	100		
155	74.0	45.6	136.9
157	101.9	63.8	191.5





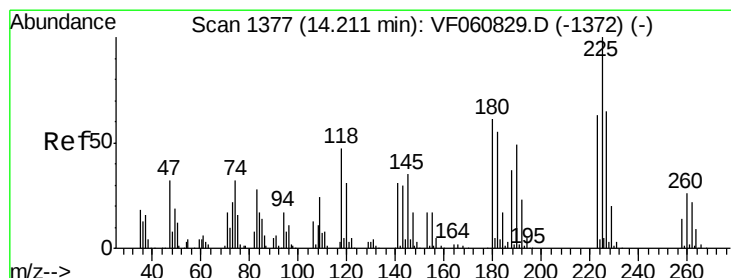
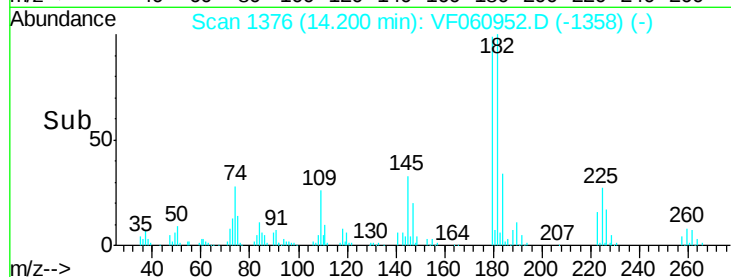
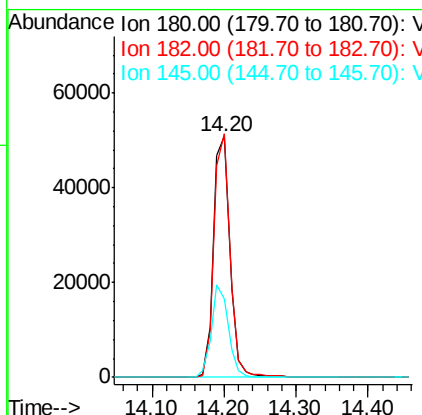
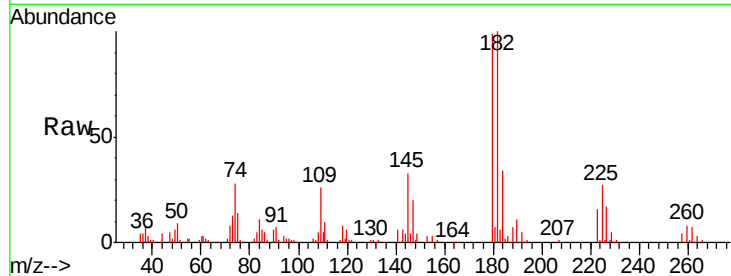
#93
 1,2,4-Trichlorobenzene
 Concen: 22.851 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1210SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79964		
182	101.0	48.5	145.5	
145	32.8	18.1	54.3	

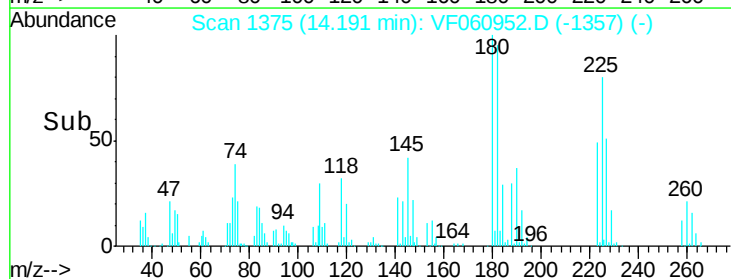
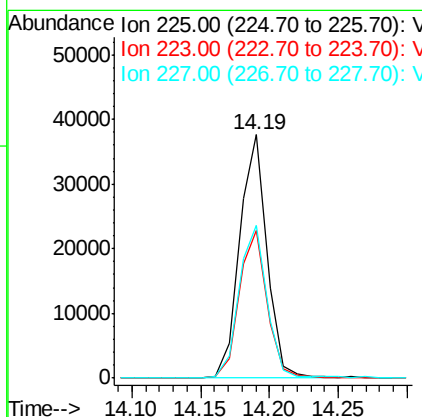
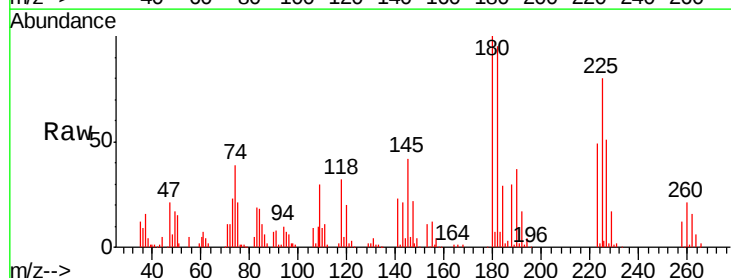
Manual Integrations
 APPROVED

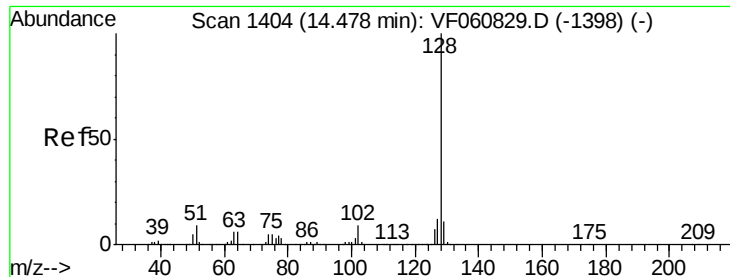
MMDadoda
 12/11/2018 4:15:36 PM



#94
 Hexachlorobutadiene
 Concen: 22.400 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060952.D
 Acq: 10 Dec 2018 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52252		
223	60.8	31.4	94.3	
227	62.7	32.5	97.5	





#95

Naphthalene

Concen: 18.855 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.02 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Instrument :

MSVOA_F

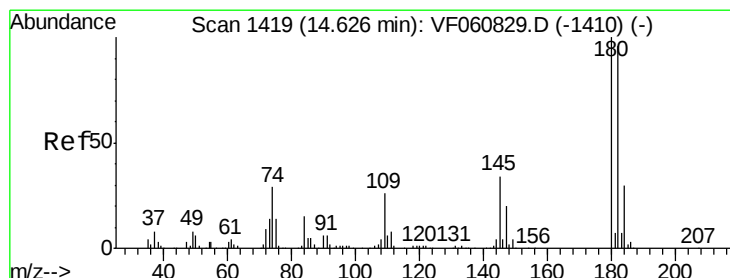
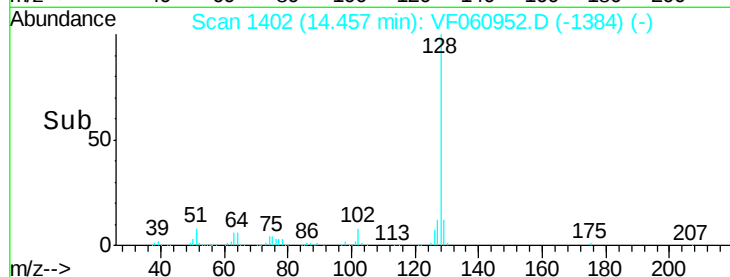
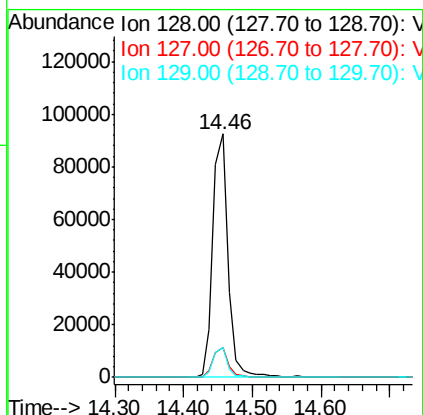
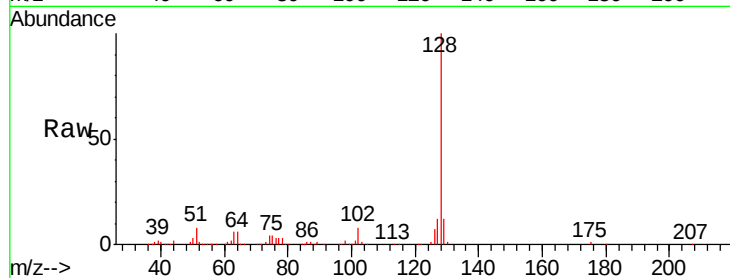
ClientSampleId :

VF1210SBS01

Tgt Ion:	128	Resp:	142863
Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.9	14.9
129	12.1	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
12/11/2018 4:15:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.502 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.03 min

Lab File: VF060952.D

Acq: 10 Dec 2018 14:30

Tgt Ion:	180	Resp:	73113
Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.9	143.8
145	37.0	17.2	51.5

