

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010319\
 Data File : VW008014.D
 Acq On : 03 Jan 2019 12:17
 Operator : SY/AP
 Sample : VW0103SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:02:09 PM

Quant Time: Jan 04 03:23:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	115594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	103884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42662	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.88	113	38301	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
50) Toluene-d8	10.32	98	145063	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.62	95	54940	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12091	17.931	ug/l	96
3) Chloromethane	2.21	50	9562	19.114	ug/l	96
4) Vinyl Chloride	2.36	62	13015	20.144	ug/l	94
5) Bromomethane	2.78	94	7658	18.656	ug/l	95
6) Chloroethane	2.92	64	6517	19.735	ug/l	96
7) Trichlorofluoromethane	3.26	101	11813	18.214	ug/l	94
8) Diethyl Ether	3.67	74	6687	20.074	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14953	19.401	ug/l	100
10) Methyl Iodide	4.26	142	23911	19.284	ug/l	98
11) Tert butyl alcohol	5.17	59	5520	104.541	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	14156	19.188	ug/l	91
13) Acrolein	3.88	56	3229	90.256	ug/l	100
14) Allyl chloride	4.66	41	20170	20.181	ug/l	96
15) Acrylonitrile	5.37	53	12859	104.955	ug/l	98
16) Acetone	4.12	43	13965	111.001	ug/l	95
17) Carbon Disulfide	4.37	76	42534	18.874	ug/l	96
18) Methyl Acetate	4.67	43	6711	20.569	ug/l #	75
19) Methyl tert-butyl Ether	5.42	73	22505	19.384	ug/l	97
20) Methylene Chloride	4.90	84	18914	23.099	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	15417	19.207	ug/l	99
22) Diisopropyl ether	6.31	45	35569	19.827	ug/l	94
23) Vinyl Acetate	6.25	43	100918	100.545	ug/l	99
24) 1,1-Dichloroethane	6.21	63	25720	19.296	ug/l	100
25) 2-Butanone	7.17	43	15584	105.134	ug/l	99
26) 2,2-Dichloropropane	7.17	77	20825	18.964	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	16584	19.396	ug/l	99
28) Bromochloromethane	7.51	49	8277	19.320	ug/l #	100
29) Tetrahydrofuran	7.52	42	9430	102.418	ug/l	98
30) Chloroform	7.67	83	29291	19.608	ug/l	99
31) Cyclohexane	7.95	56	23761	19.126	ug/l	90
32) 1,1,1-Trichloroethane	7.87	97	28407	19.873	ug/l	98
36) 1,1-Dichloropropene	8.08	75	22388	19.634	ug/l	97
37) Ethyl Acetate	7.25	43	7189	20.989	ug/l	99
38) Carbon Tetrachloride	8.07	117	26595	19.461	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010319\
 Data File : VW008014.D
 Acq On : 03 Jan 2019 12:17
 Operator : SY/AP
 Sample : VW0103SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0103SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:02:09 PM

Quant Time: Jan 04 03:23:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	27736	19.514	ug/l	97
40) Benzene	8.32	78	59357	19.732	ug/l	100
41) Methacrylonitrile	7.49	41	4225	20.980	ug/l	93
42) 1,2-Dichloroethane	8.40	62	19712	19.667	ug/l	97
43) Isopropyl Acetate	8.43	43	14001	20.458	ug/l	98
44) Trichloroethene	9.09	130	16962	19.108	ug/l	94
45) 1,2-Dichloropropane	9.37	63	13088	20.101	ug/l	95
46) Dibromomethane	9.45	93	7594	19.948	ug/l	98
47) Bromodichloromethane	9.65	83	20378	19.112	ug/l	100
48) Methyl methacrylate	9.43	41	7054	20.442	ug/l	95
49) 1,4-Dioxane	9.45	88	2256	400.451	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	32233	101.749	ug/l	100
52) Toluene	10.39	92	39048	19.662	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	20278	19.778	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	22510	19.675	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	10347	20.074	ug/l	96
56) Ethyl methacrylate	10.65	69	11697	20.074	ug/l	97
57) 1,3-Dichloropropane	10.93	76	17715	20.227	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	28852	104.404	ug/l	99
59) 2-Hexanone	10.97	43	23771	108.693	ug/l	96
60) Dibromochloromethane	11.13	129	13633	19.323	ug/l	99
61) 1,2-Dibromoethane	11.24	107	10075	19.532	ug/l	99
64) Tetrachloroethene	10.86	164	14302	19.931	ug/l	91
65) Chlorobenzene	11.66	112	44110	19.867	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	15799	19.650	ug/l	98
67) Ethyl Benzene	11.73	91	78884	20.017	ug/l	98
68) m/p-Xylenes	11.84	106	61055	40.074	ug/l	100
69) o-Xylene	12.17	106	27945	19.712	ug/l	99
70) Styrene	12.18	104	46579	20.158	ug/l	99
71) Bromoform	12.35	173	7624	20.467	ug/l #	94
73) Isopropylbenzene	12.47	105	81683	19.846	ug/l	97
74) N-amyl acetate	12.27	43	13520	21.102	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	11068	21.134	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8884m	21.574	ug/l	
77) Bromobenzene	12.75	156	17413	19.683	ug/l	98
78) n-propylbenzene	12.80	91	95303	19.971	ug/l	99
79) 2-Chlorotoluene	12.90	91	54910	19.909	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	71075	20.061	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	3638	20.893	ug/l	97
82) 4-Chlorotoluene	12.99	91	58809	20.053	ug/l	99
83) tert-Butylbenzene	13.21	119	61075	19.704	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	71344	19.881	ug/l	100
85) sec-Butylbenzene	13.39	105	85549	20.063	ug/l	98
86) p-Isopropyltoluene	13.51	119	77692	20.200	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	36541	20.471	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	35420	20.043	ug/l	98
89) n-Butylbenzene	13.83	91	72358	20.568	ug/l	99
90) Hexachloroethane	14.10	117	13467	20.179	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	31140	19.852	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2256	21.225	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010319\
Data File : VW008014.D
Acq On : 03 Jan 2019 12:17
Operator : SY/AP
Sample : VW0103SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM

Quant Time: Jan 04 03:23:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	22295	20.237	ug/l	99
94) Hexachlorobutadiene	15.24	225	12500	19.651	ug/l	99
95) Naphthalene	15.38	128	37818	20.156	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	18328	20.219	ug/l	98

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

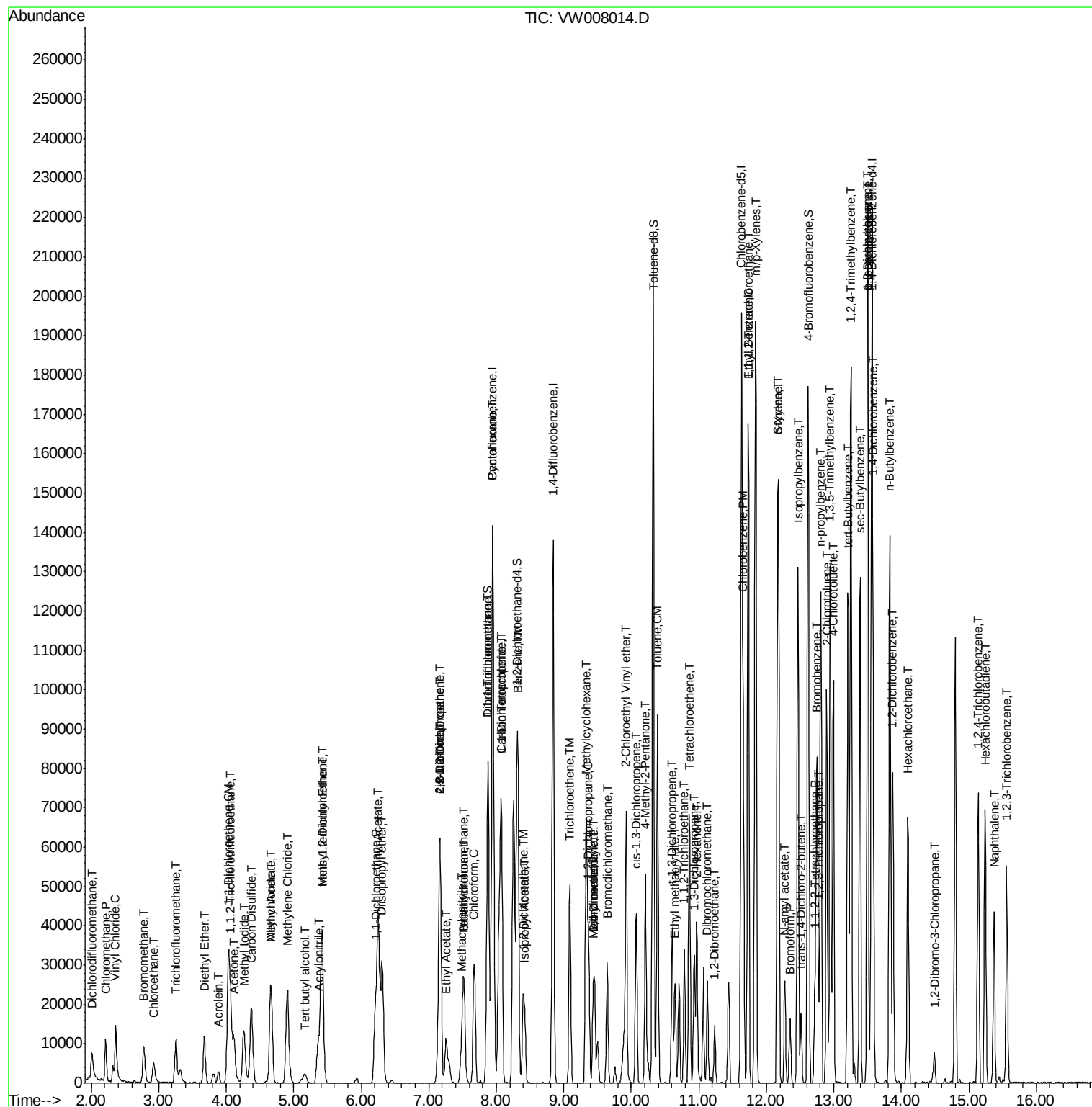
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010319\
 Data File : VW008014.D
 Acq On : 03 Jan 2019 12:17
 Operator : SY/AP
 Sample : VW0103SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

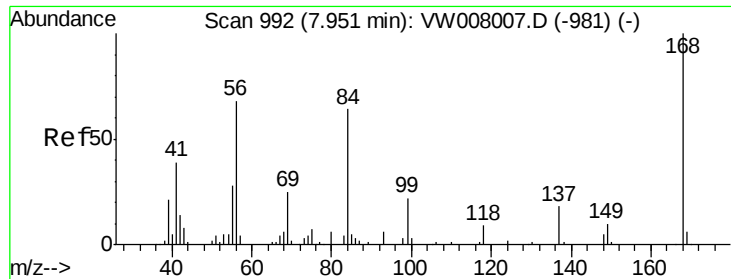
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:02:09 PM

Quant Time: Jan 04 03:23:18 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion:168 Resp: 73481

Ion Ratio Lower Upper

168 100

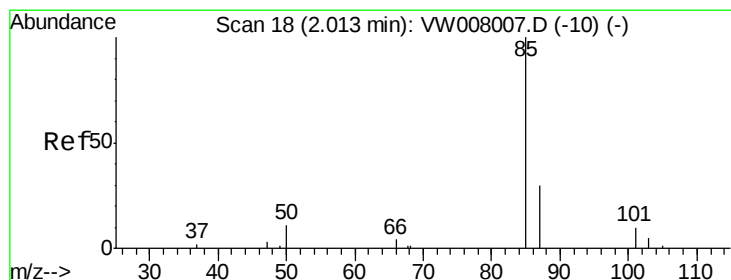
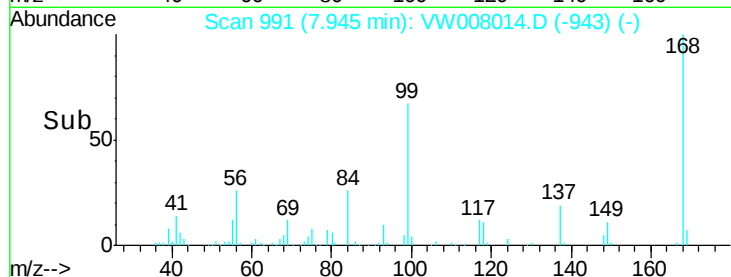
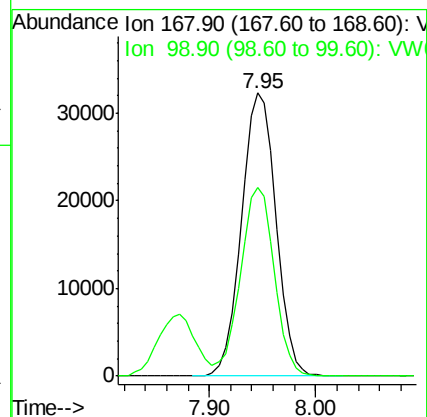
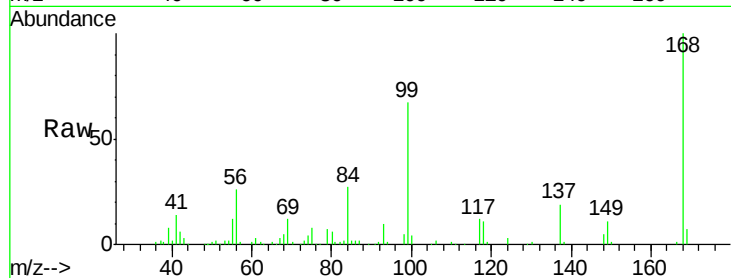
99 66.9 51.6 77.4

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:09 PM



#2

Dichlorodifluoromethane

Concen: 17.931 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008014.D

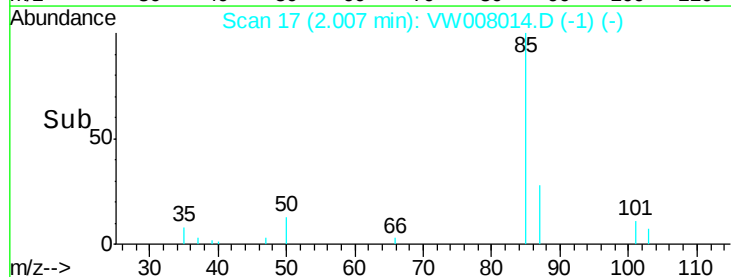
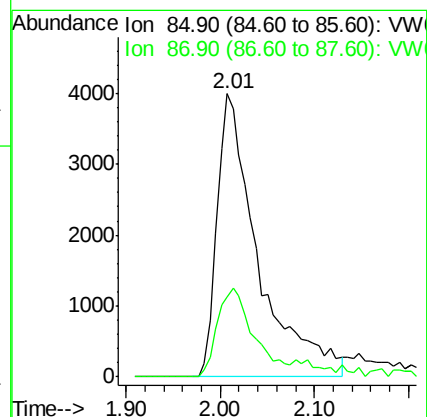
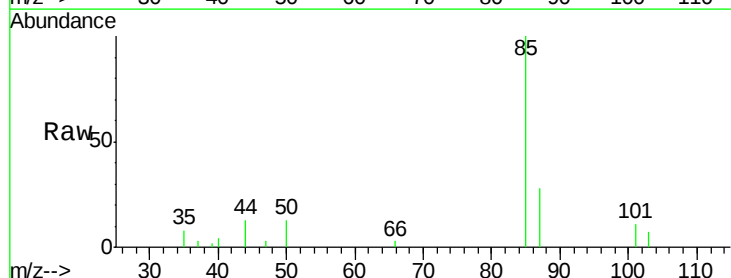
Acq: 03 Jan 2019 12:17

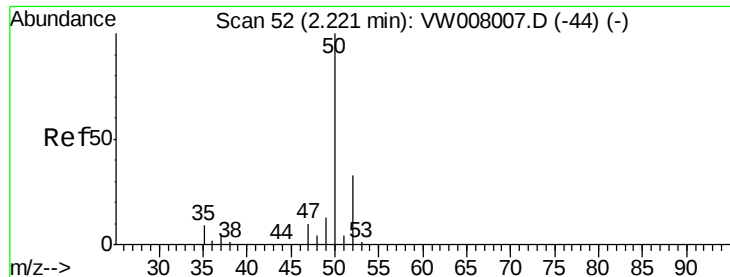
Tgt Ion: 85 Resp: 12091

Ion Ratio Lower Upper

85 100

87 28.0 15.0 45.0





#3

Chloromethane

Concen: 19.114 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 50 Resp: 9562

Ion Ratio Lower Upper

50 100

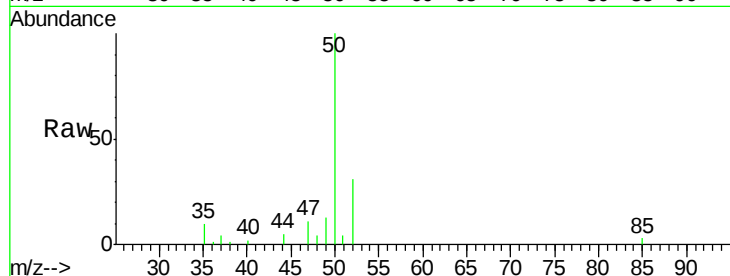
52 31.5 26.8 40.2

Manual Integrations

APPROVED

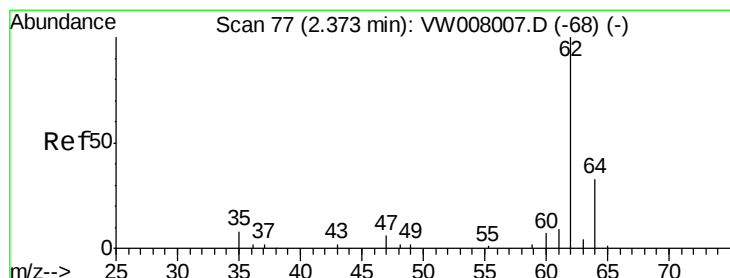
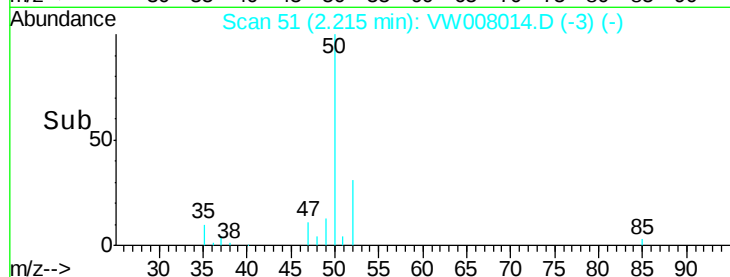
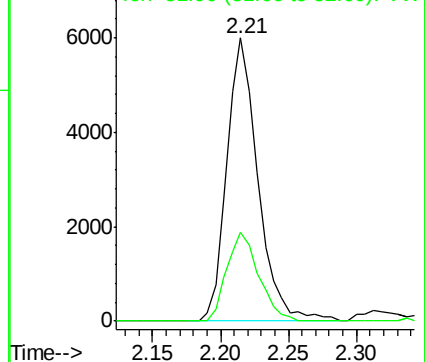
MMDadoda

1/4/2019 12:02:09 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.144 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008014.D

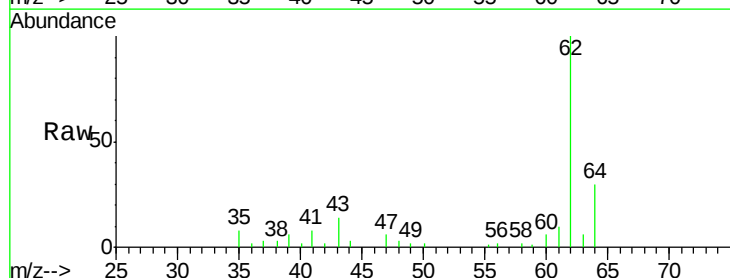
Acq: 03 Jan 2019 12:17

Tgt Ion: 62 Resp: 13015

Ion Ratio Lower Upper

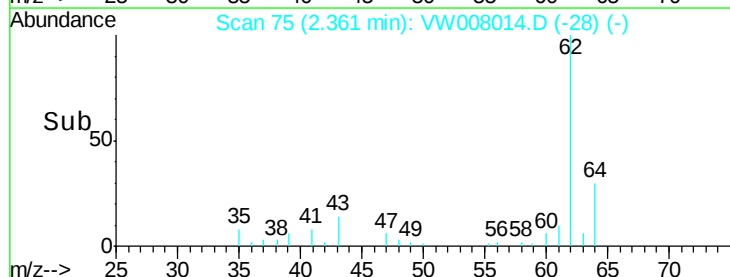
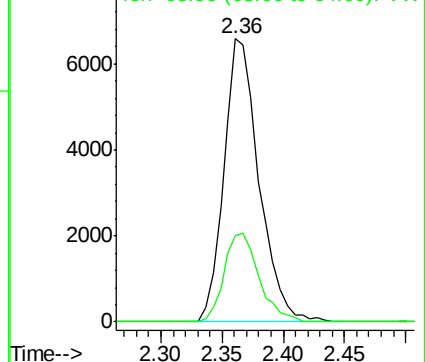
62 100

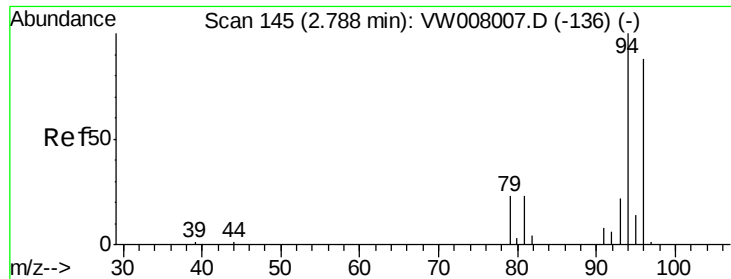
64 30.3 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.656 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tot Ion: 94 Resp: 7658

Ion Ratio Lower Upper

94 100

96 92.9 70.7 106.1

Instrument :

MSVOA_W

ClientSampleId :

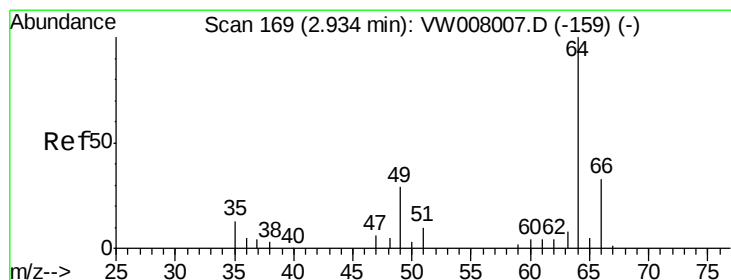
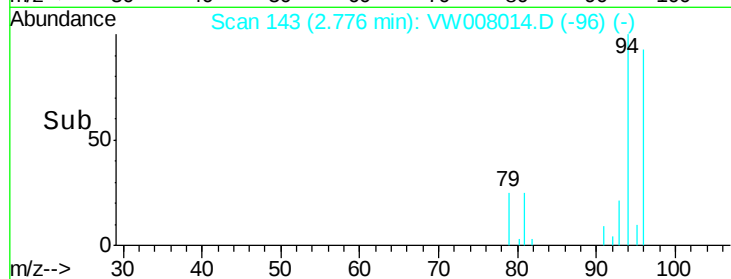
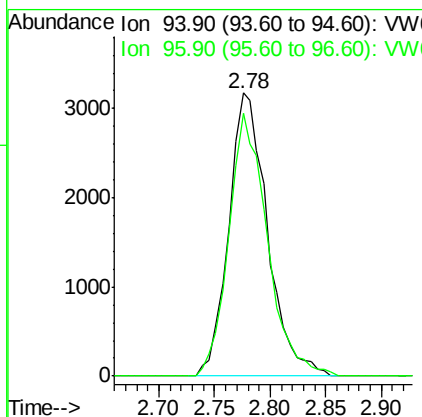
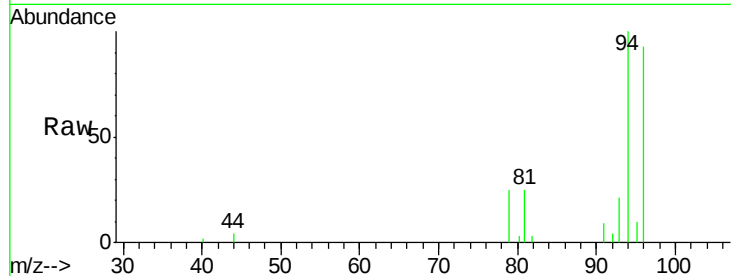
VW0103SBS01

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:09 PM



#6

Chloroethane

Concen: 19.735 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008014.D

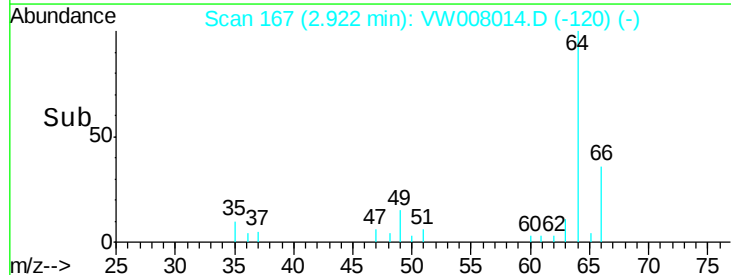
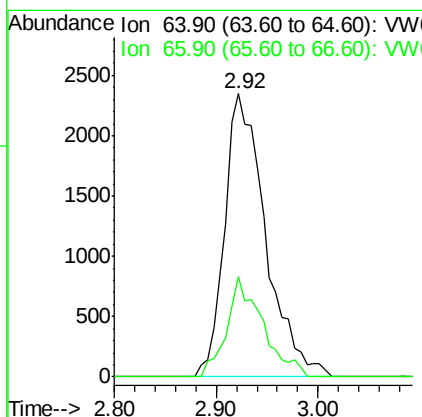
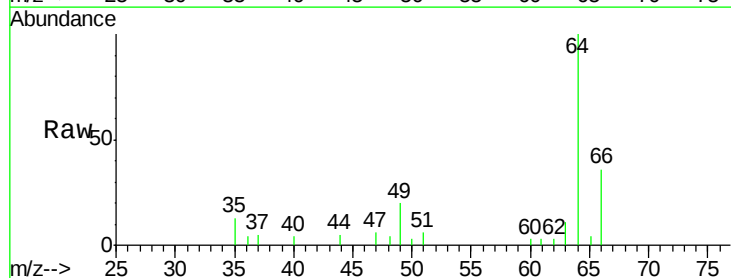
Acq: 03 Jan 2019 12:17

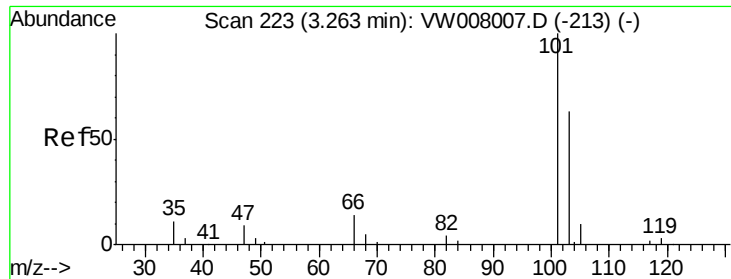
Tgt Ion: 64 Resp: 6517

Ion Ratio Lower Upper

64 100

66 35.5 26.6 39.8





#7

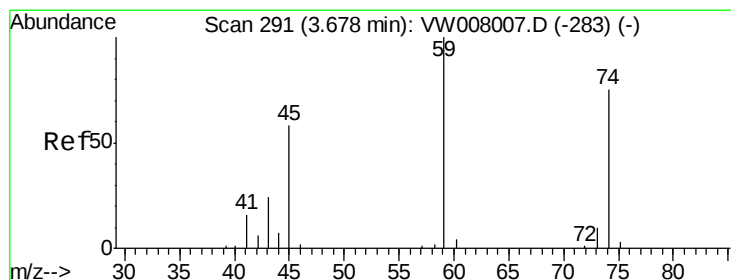
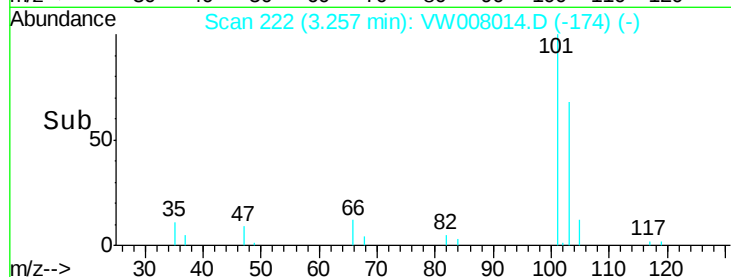
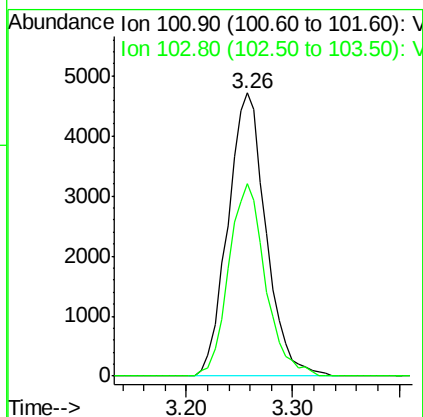
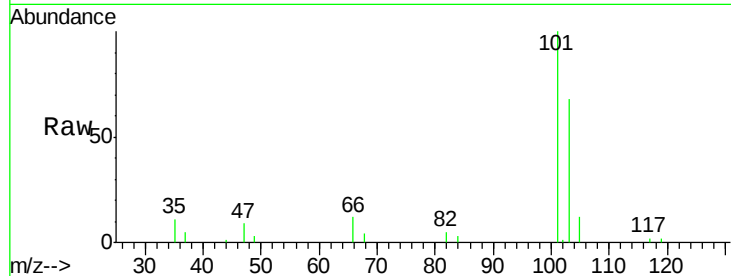
Trichlorofluoromethane
 Concen: 18.214 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion	101	Resp	11813
Ion Ratio	100	Lower	Upper
101	100		
103	67.9	50.5	75.7

Manual Integrations
 APPROVED

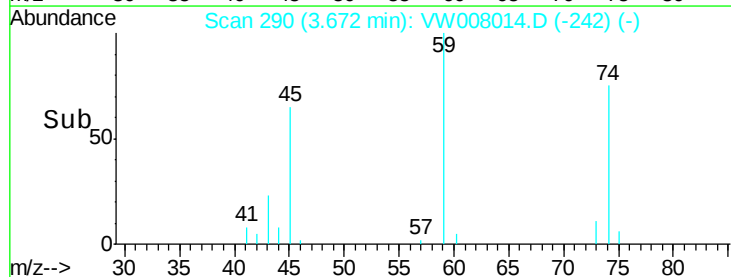
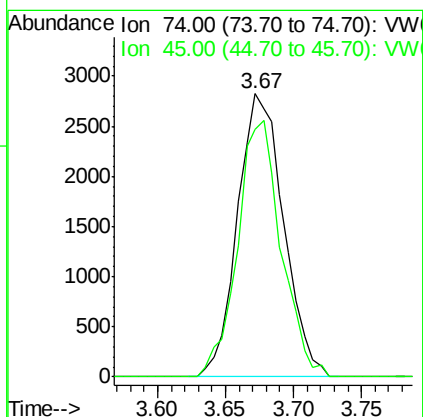
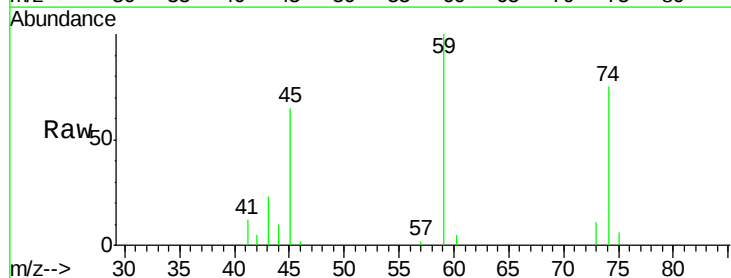
MMDadoda
 1/4/2019 12:02:09 PM

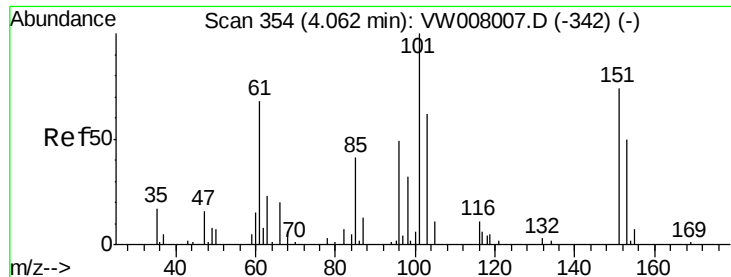


#8

Diethyl Ether
 Concen: 20.074 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion	74	Resp	6687
Ion Ratio	100	Lower	Upper
74	100		
45	85.6	41.4	124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.401 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

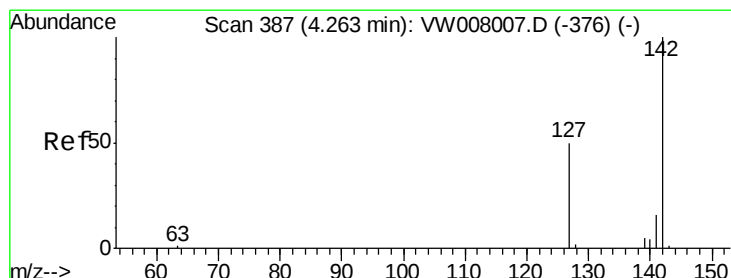
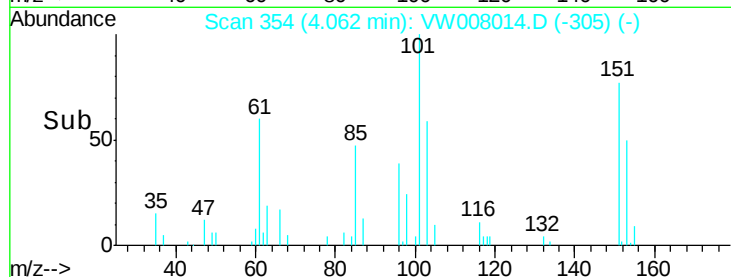
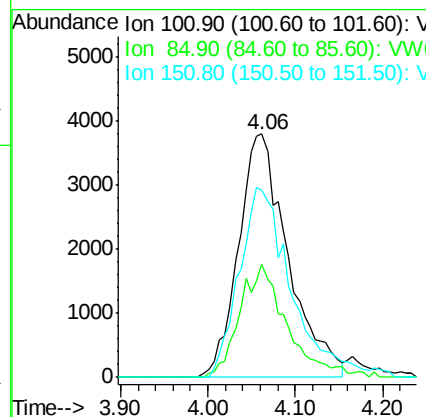
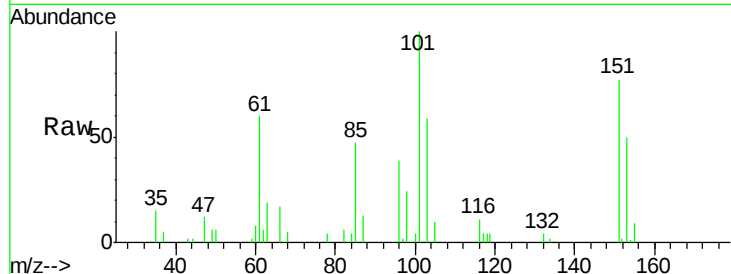
ClientSampleId :

VW0103SBS01

Tot Ion:	101	Resp:	14953
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.1	52.7
151	81.5	65.3	97.9

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



#10

Methyl Iodide

Concen: 19.284 ug/l

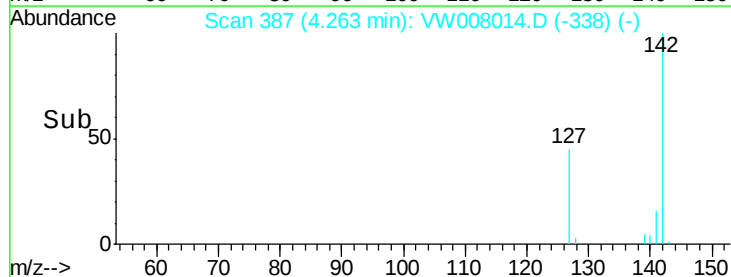
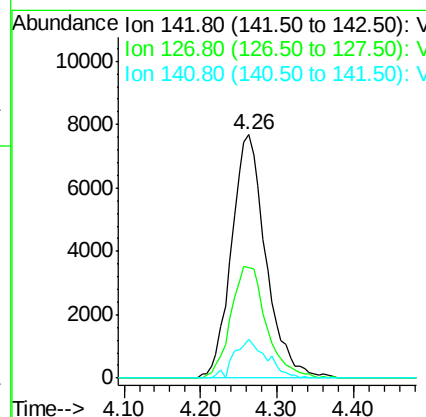
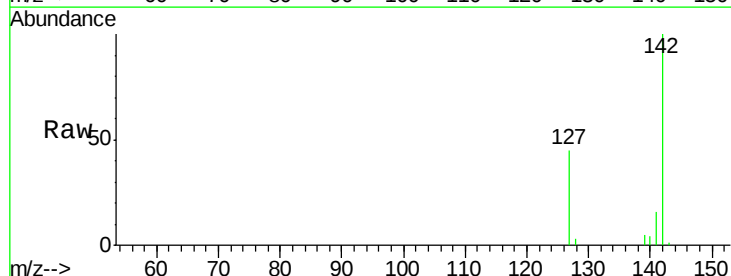
RT: 4.26 min Scan# 387

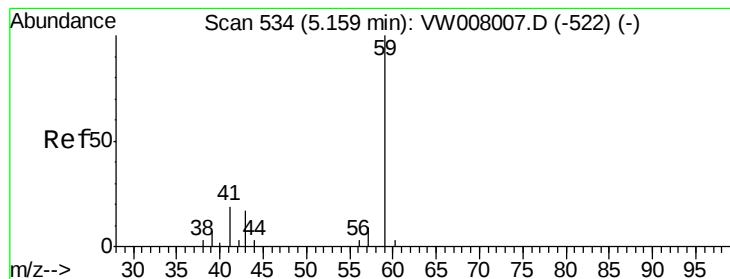
Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tgt Ion:	142	Resp:	23911
Ion Ratio	Lower	Upper	
142	100		
127	47.1	39.4	59.0
141	15.1	12.1	18.1





#11

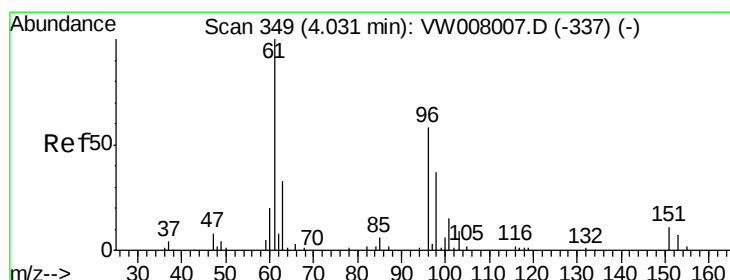
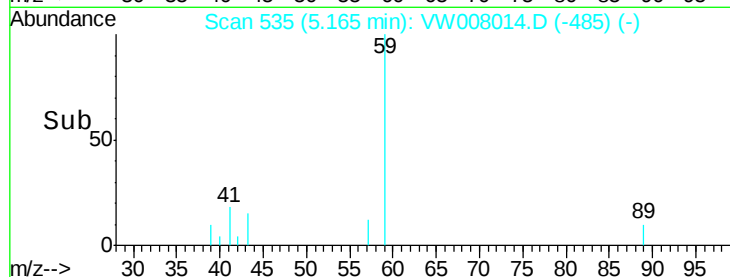
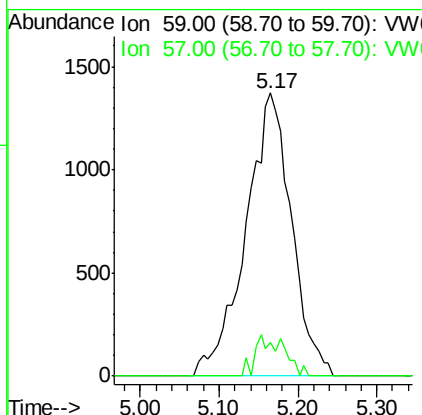
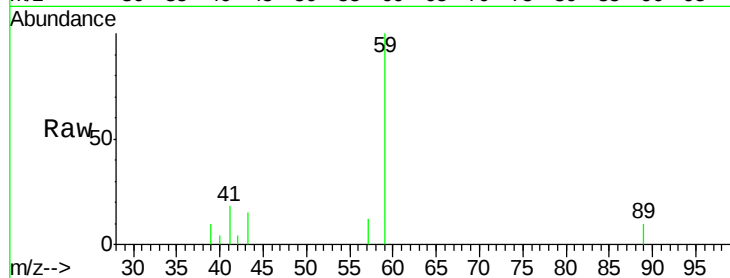
Tert butyl alcohol
 Concen: 104.541 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	9.0	13.4#

Manual Integrations
 APPROVED

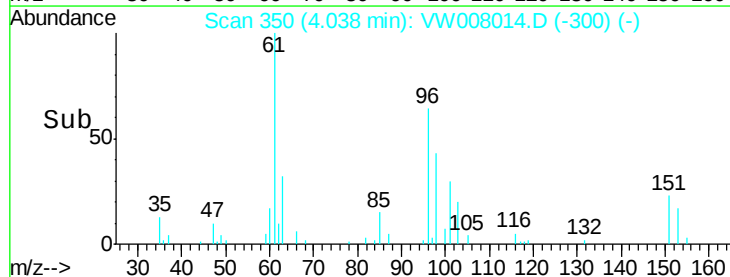
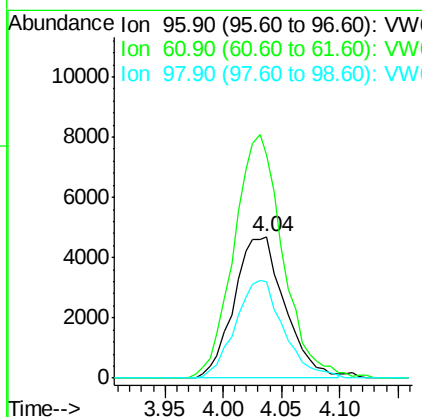
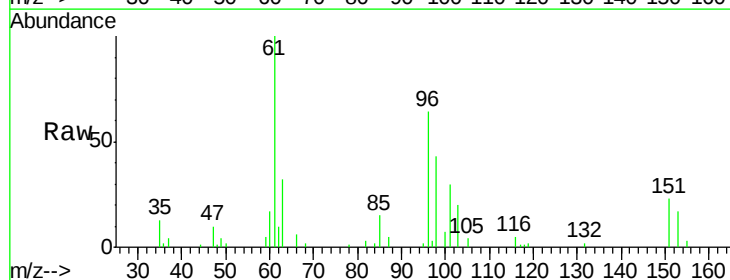
MMDadoda
 1/4/2019 12:02:09 PM

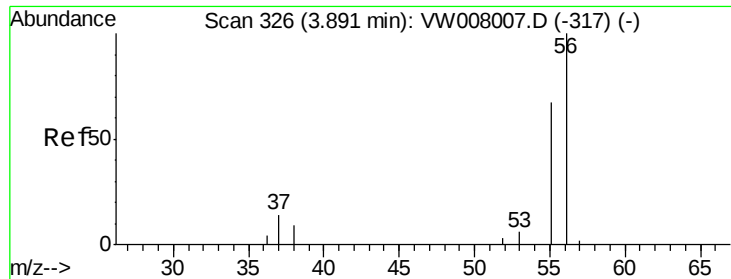


#12

1,1-Dichloroethene
 Concen: 19.188 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	137.3	205.9
98	67.6	50.5	75.7





#13

Acrolein

Concen: 90.256 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

VW0103SBS01

Tot Ion: 56 Resp: 3229

Ion Ratio Lower Upper

56 100

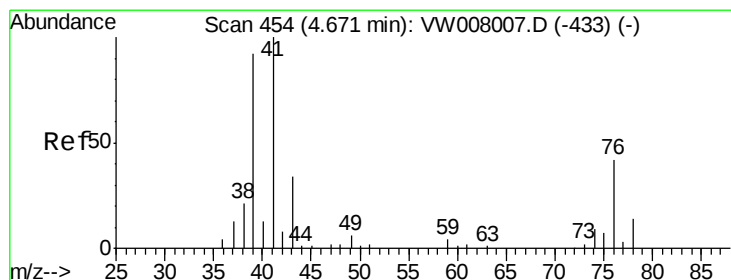
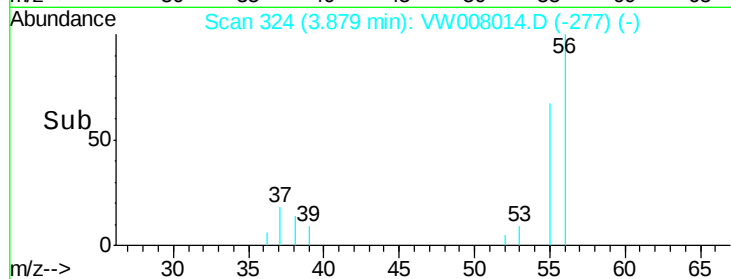
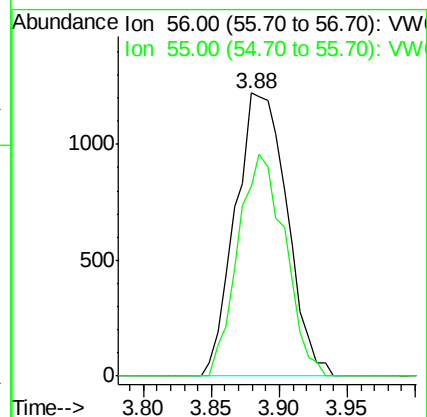
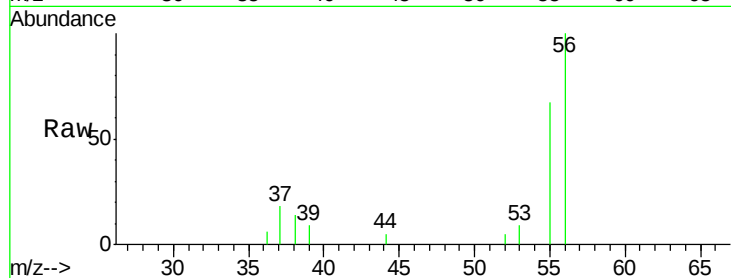
55 71.4 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:09 PM



#14

Allyl chloride

Concen: 20.181 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

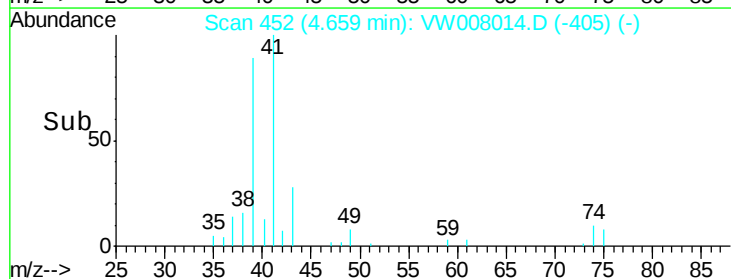
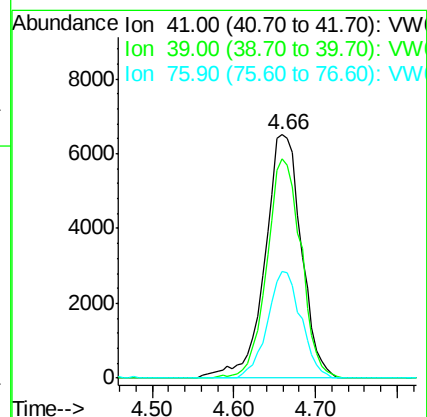
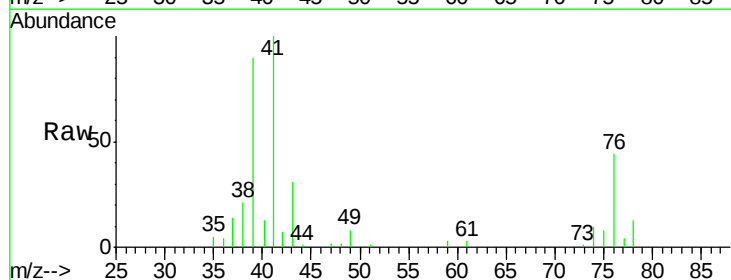
Tgt Ion: 41 Resp: 20170

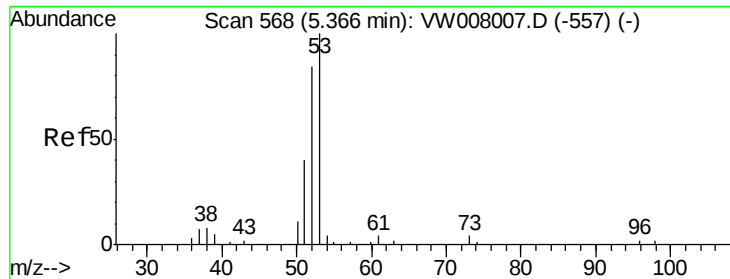
Ion Ratio Lower Upper

41 100

39 84.8 71.1 106.7

76 40.4 33.4 50.2





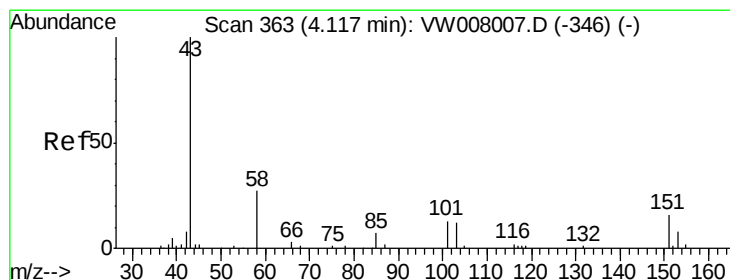
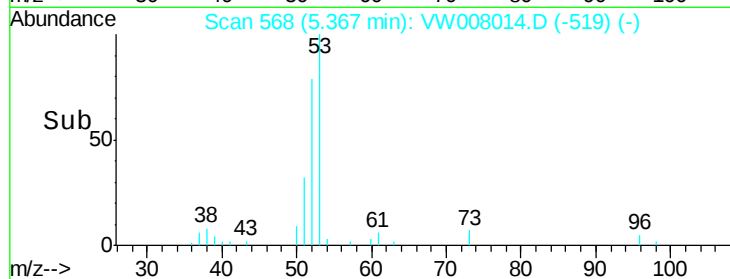
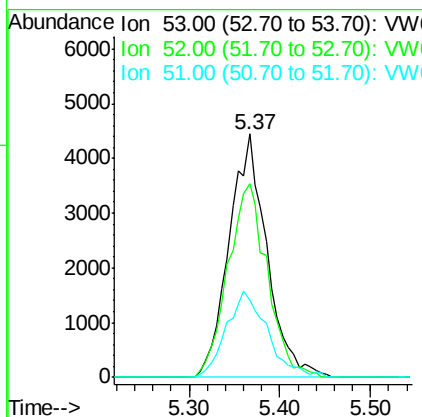
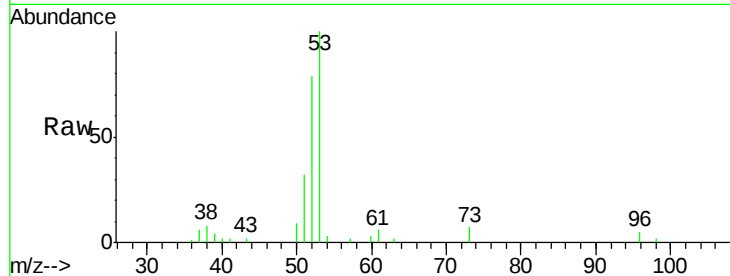
#15
 Acrylonitrile
 Concen: 104.955 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.9	67.8	101.8	
51	38.4	31.5	47.3	

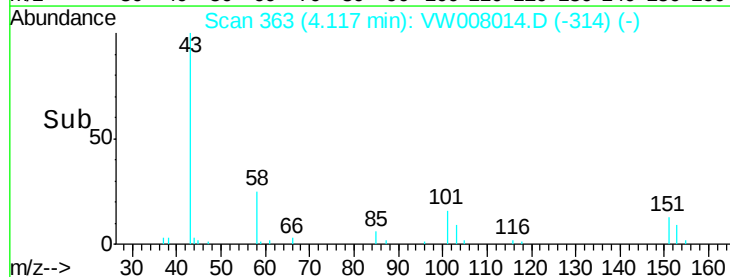
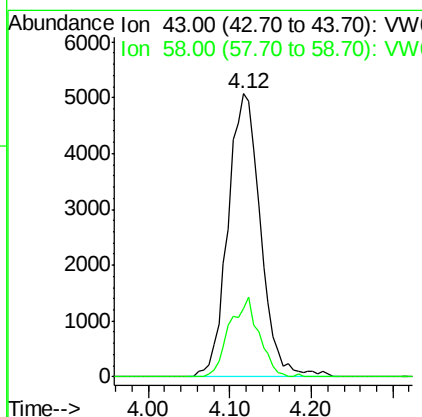
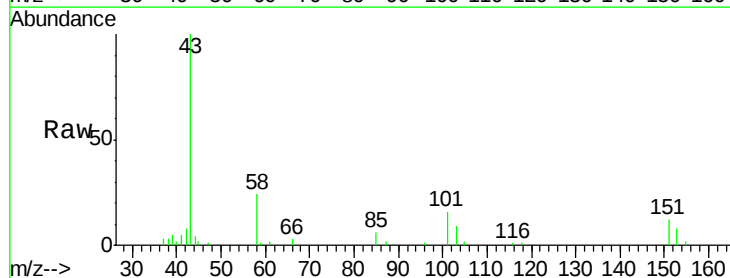
Manual Integrations
 APPROVED

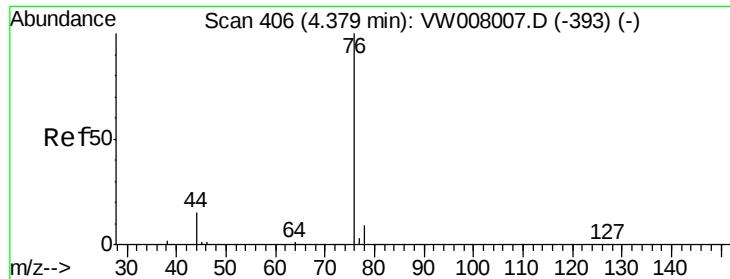
MMDadoda
 1/4/2019 12:02:09 PM



#16
 Acetone
 Concen: 111.001 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	24.3	21.7	32.5	





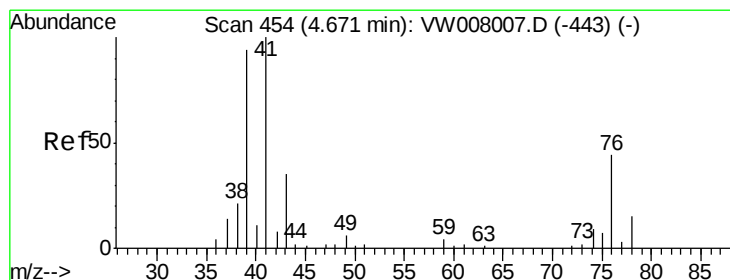
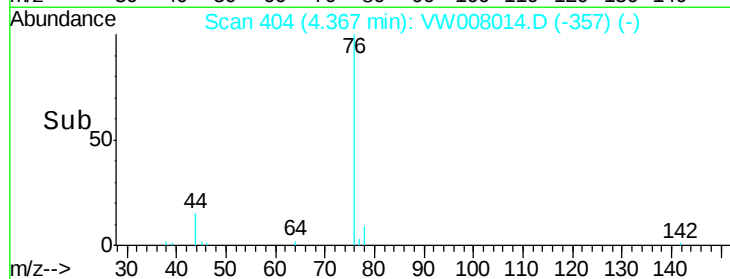
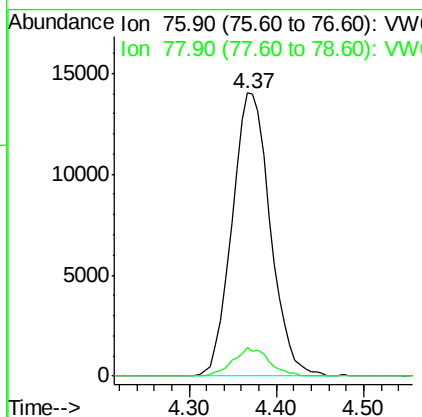
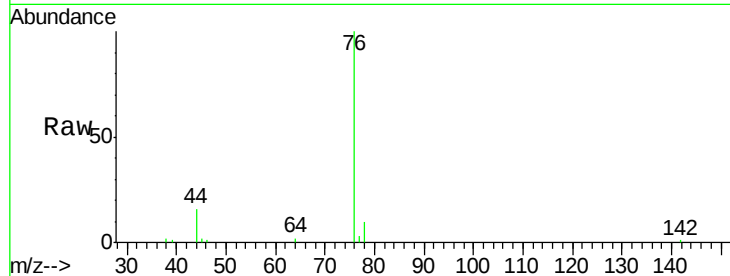
#17
Carbon Disulfide
Concen: 18.874 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion: 76 Resp: 42534
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.4

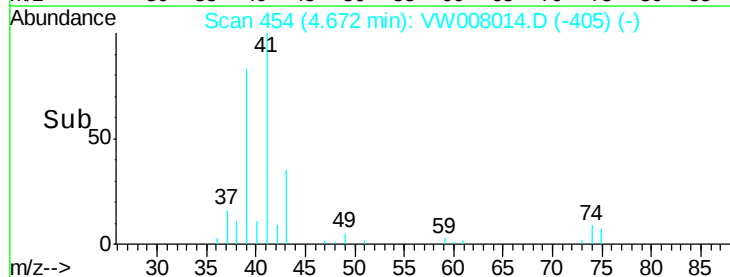
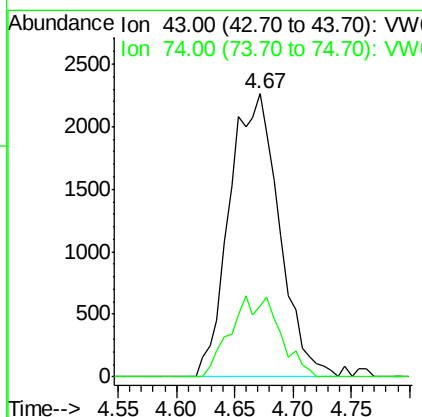
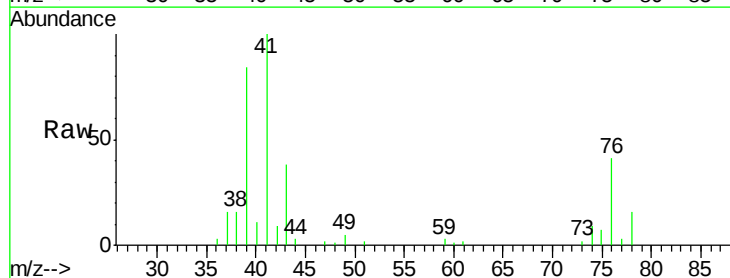
Manual Integrations
APPROVED

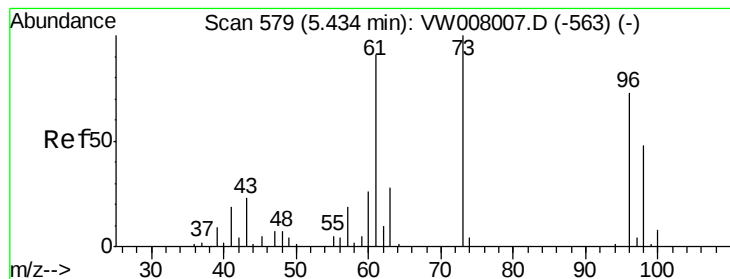
MMDadoda
1/4/2019 12:02:09 PM



#18
Methyl Acetate
Concen: 20.569 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion: 43 Resp: 6711
Ion Ratio Lower Upper
43 100
74 14.1 21.4 32.2#





#19

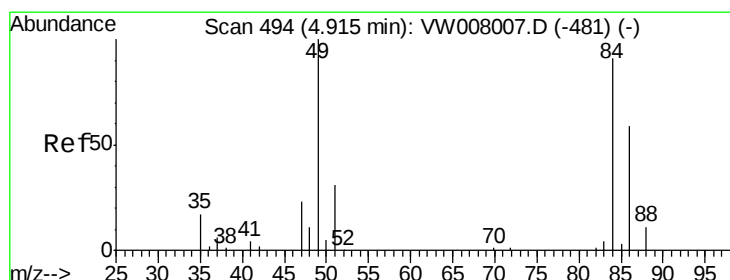
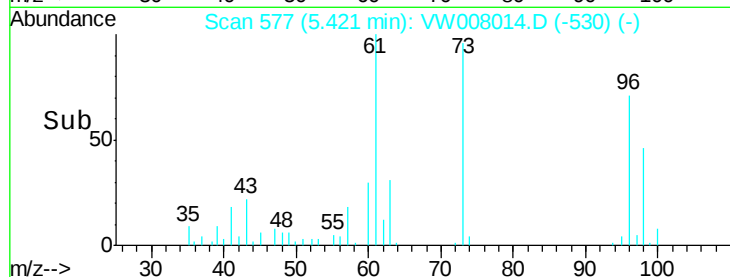
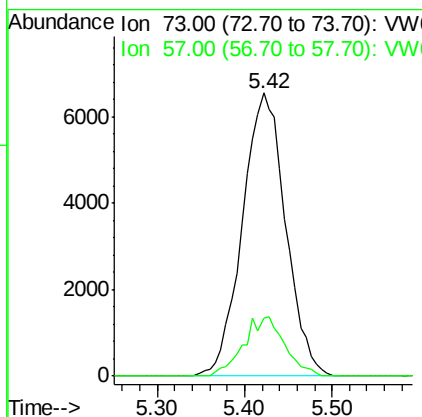
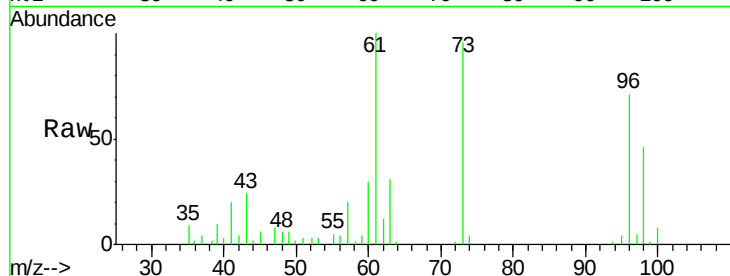
Methyl tert-butyl Ether
 Concen: 19.384 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion: 73 Resp: 22505
 Ion Ratio Lower Upper
 73 100
 57 20.5 15.4 23.0

Manual Integrations
 APPROVED

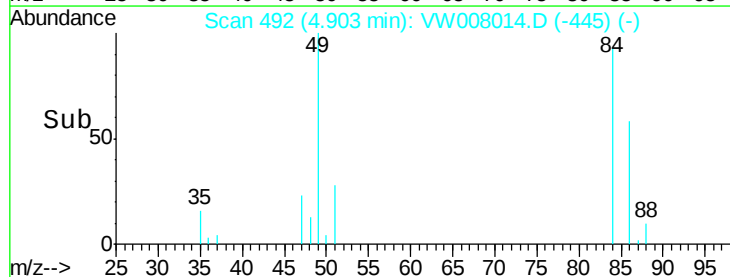
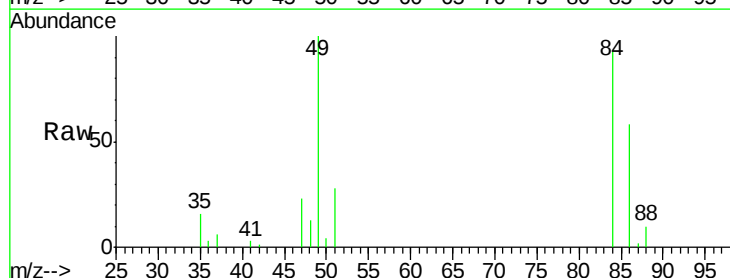
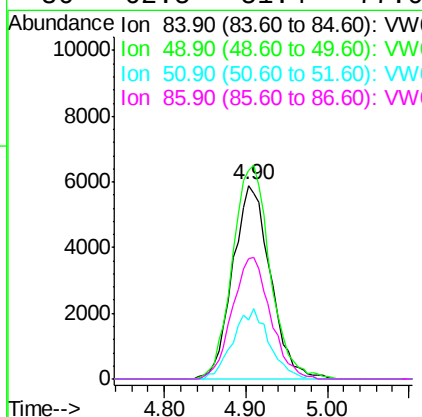
MMDadoda
 1/4/2019 12:02:09 PM

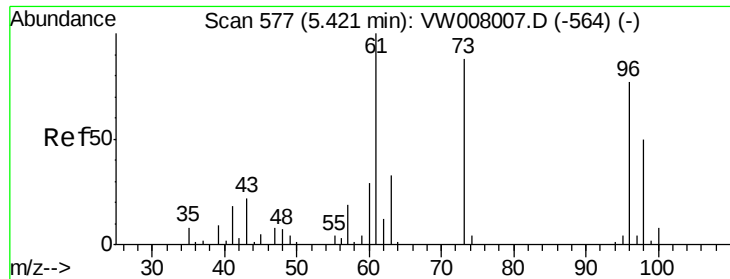


#20

Methylene Chloride
 Concen: 23.099 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion: 84 Resp: 18914
 Ion Ratio Lower Upper
 84 100
 49 107.8 87.7 131.5
 51 30.2 27.3 40.9
 86 62.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.207 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

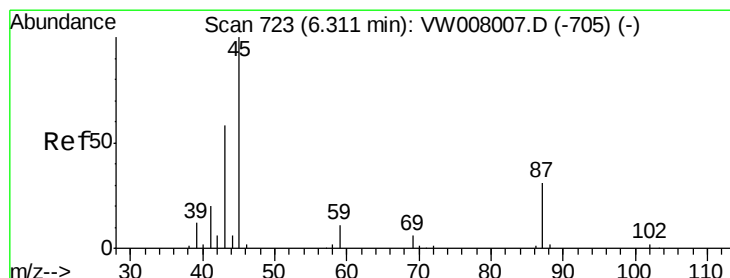
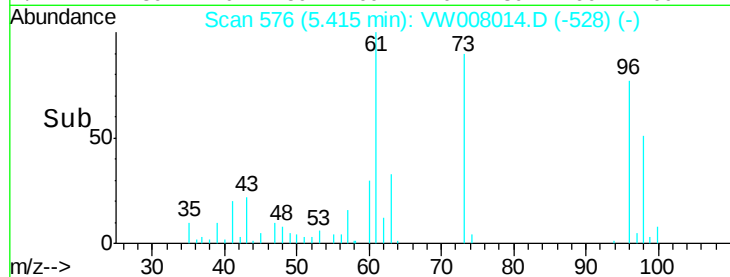
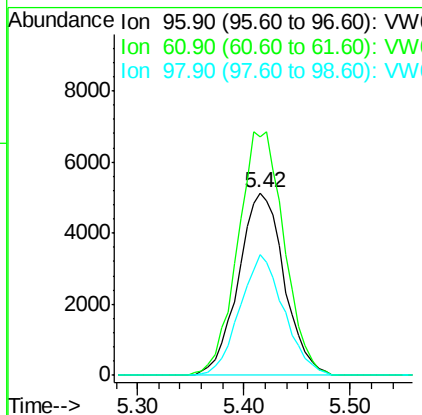
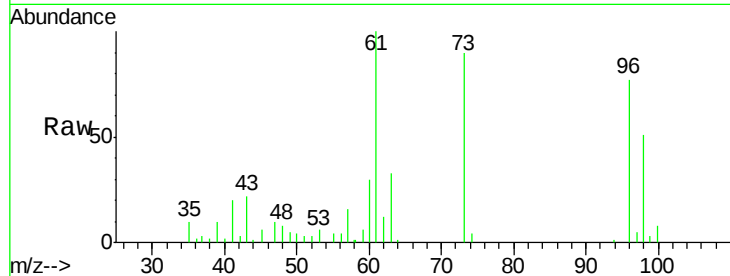
ClientSampleId :

VW0103SBS01

Tot Ion:	96	Resp:	15417
Ion	Ratio	Lower	Upper
96	100		
61	130.5	104.2	156.2
98	66.3	51.8	77.6

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



#22

Diisopropyl ether

Concen: 19.827 ug/l

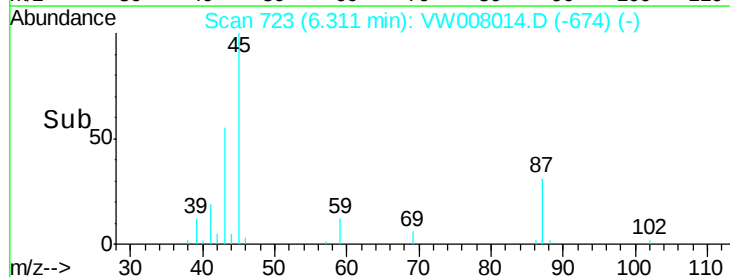
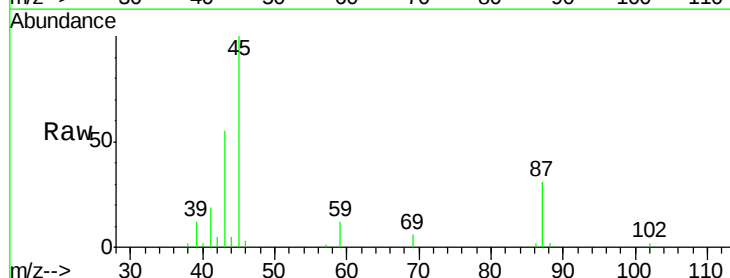
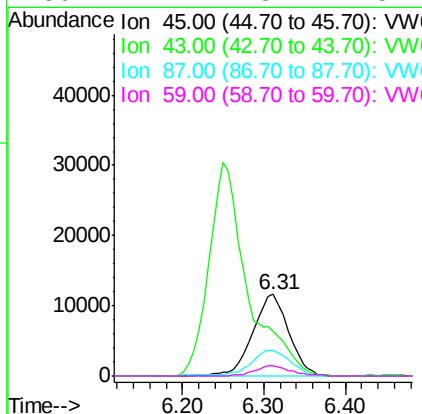
RT: 6.31 min Scan# 723

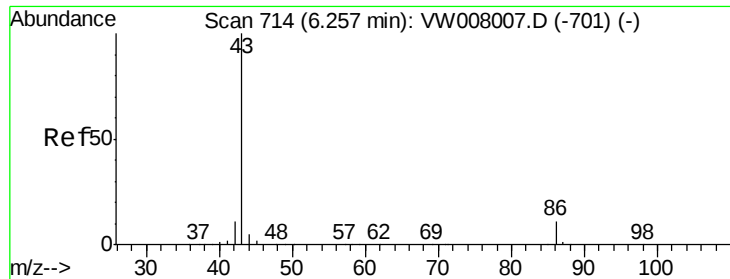
Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tgt Ion:	45	Resp:	35569
Ion	Ratio	Lower	Upper
45	100		
43	54.1	48.1	72.1
87	31.1	25.8	38.8
59	12.1	8.7	13.1





#23

Vinyl Acetate

Concen: 100.545 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 43 Resp: 100918

Ion Ratio Lower Upper

43 100

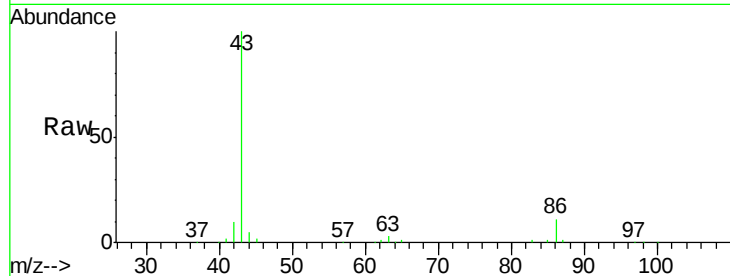
86 10.8 8.8 13.2

Manual Integrations

APPROVED

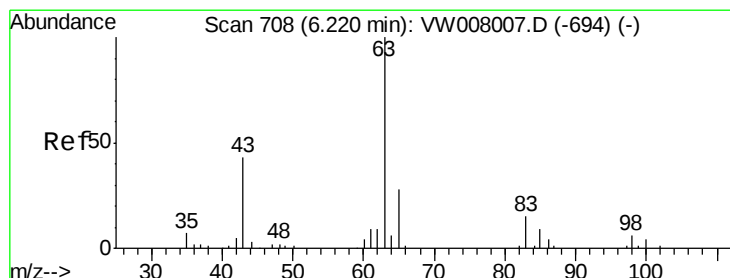
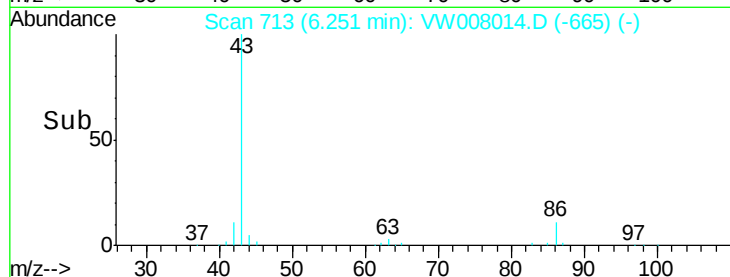
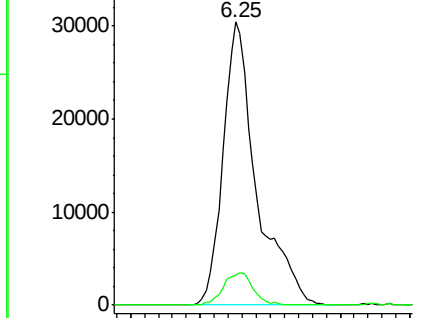
MMDadoda

1/4/2019 12:02:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.296 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

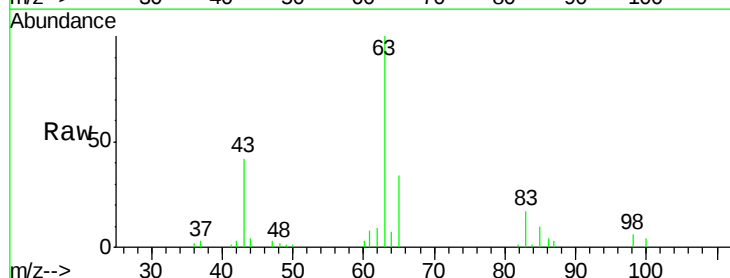
Tgt Ion: 63 Resp: 25720

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

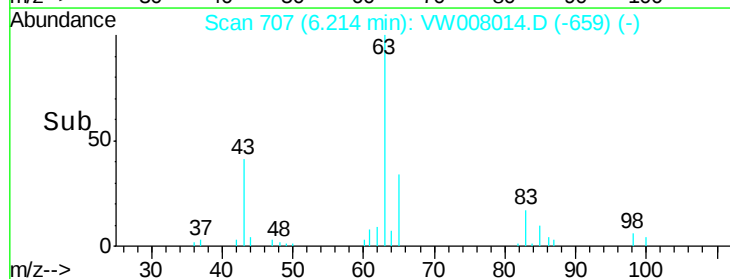
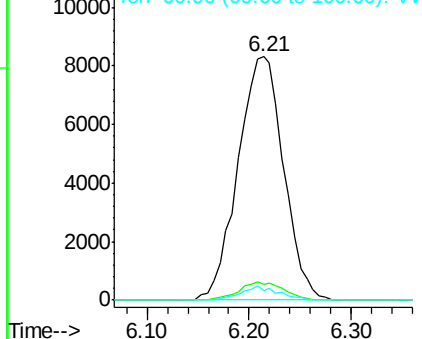
100 3.8 2.1 6.2

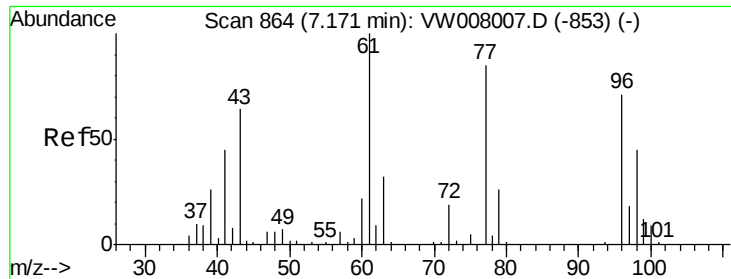


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 105.134 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 43 Resp: 15584

Ion Ratio Lower Upper

43 100

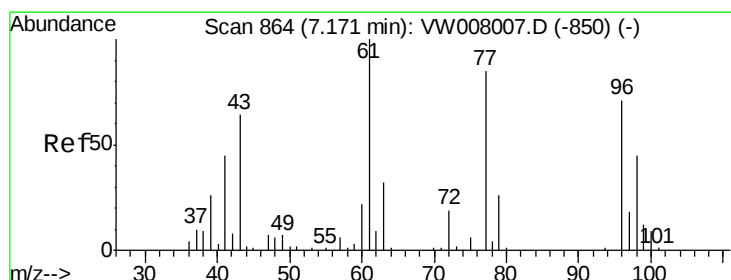
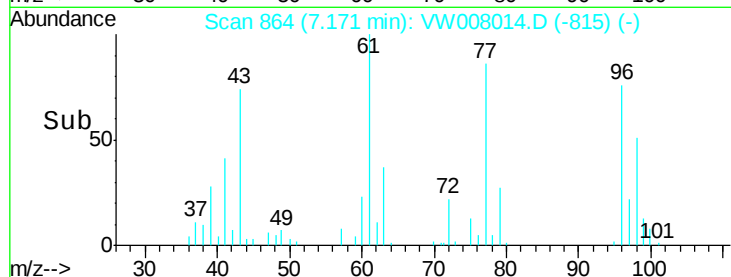
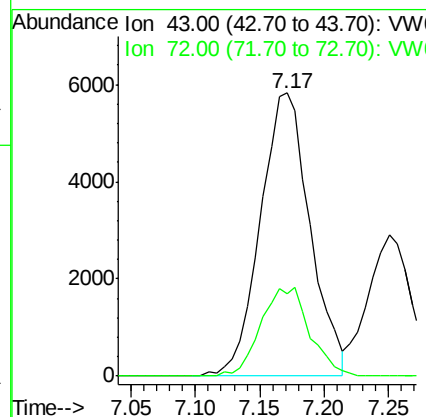
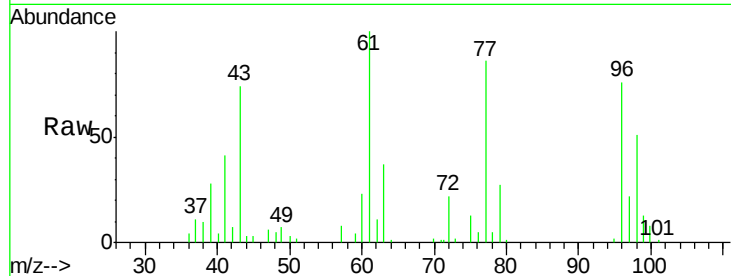
72 29.1 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:09 PM



#26

2,2-Dichloropropane

Concen: 18.964 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008014.D

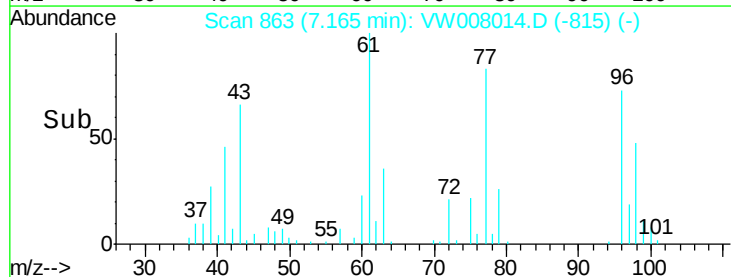
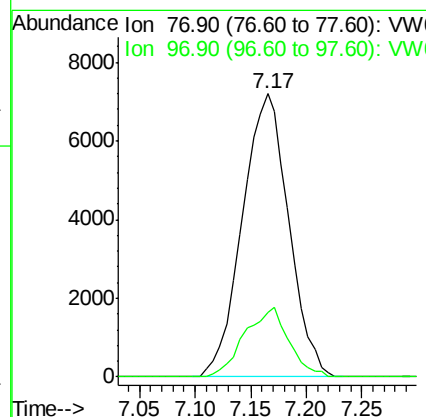
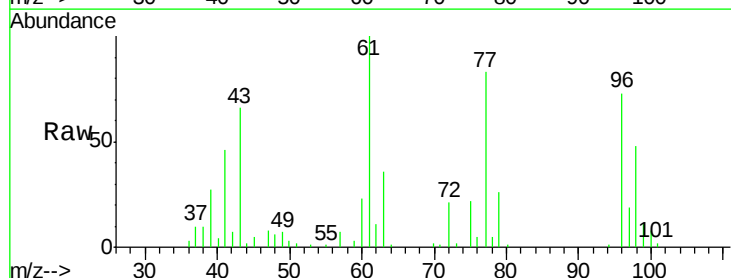
Acq: 03 Jan 2019 12:17

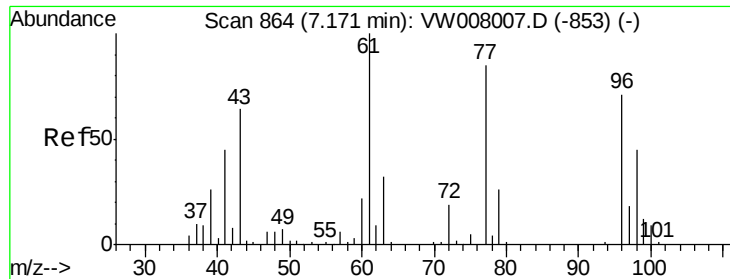
Tgt Ion: 77 Resp: 20825

Ion Ratio Lower Upper

77 100

97 23.3 11.0 33.0





#27

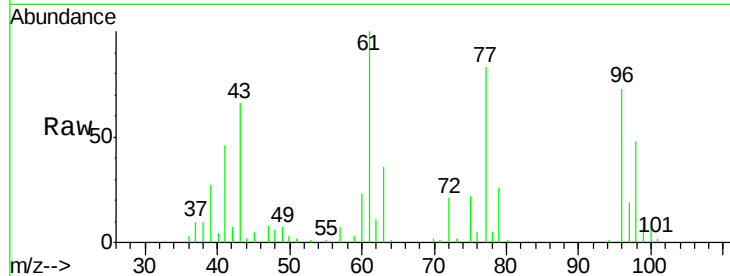
cis-1,2-Dichloroethene
Concen: 19.396 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	286.4
98	65.8	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM

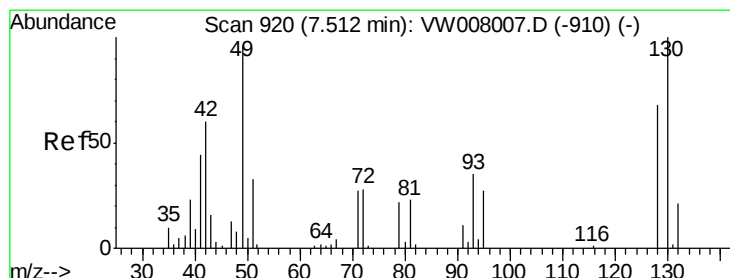
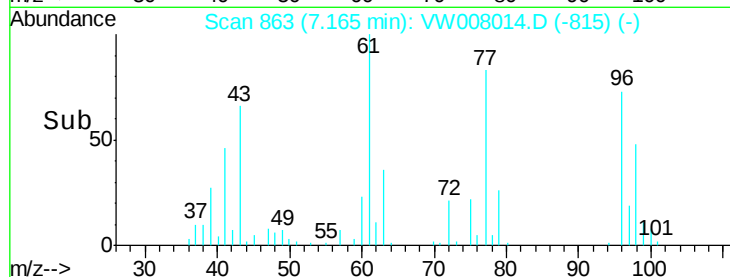
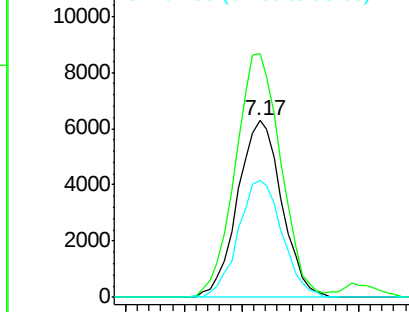


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

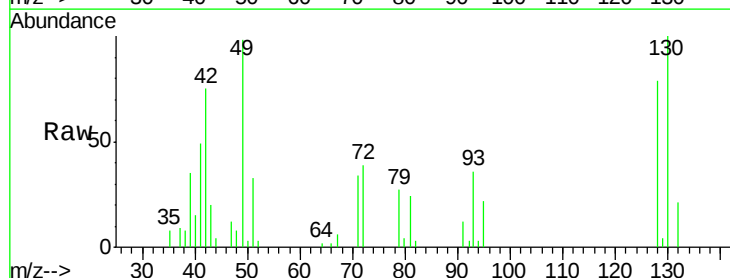
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 19.320 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	0.8#
130	98.0	78.5	117.7

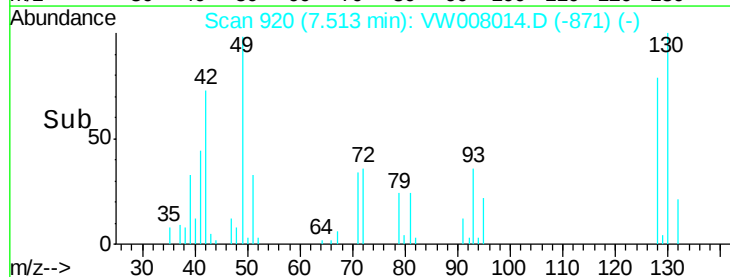
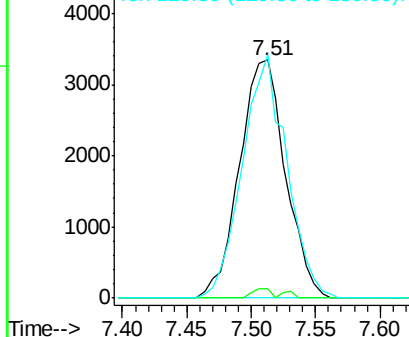


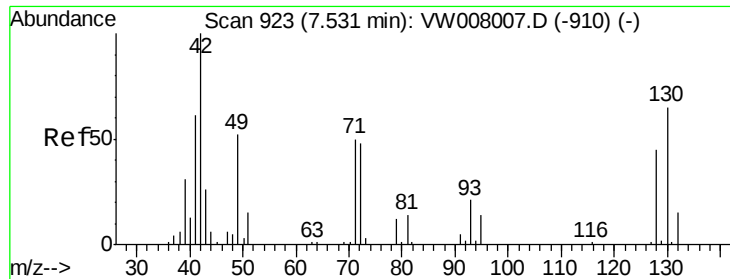
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





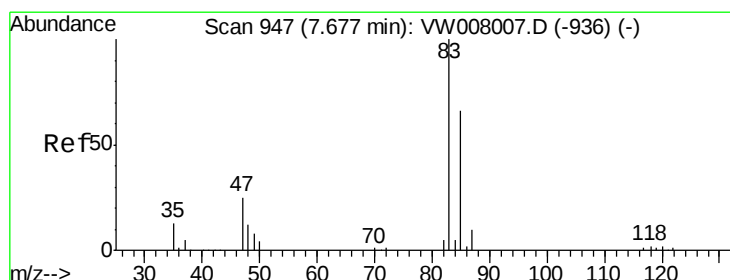
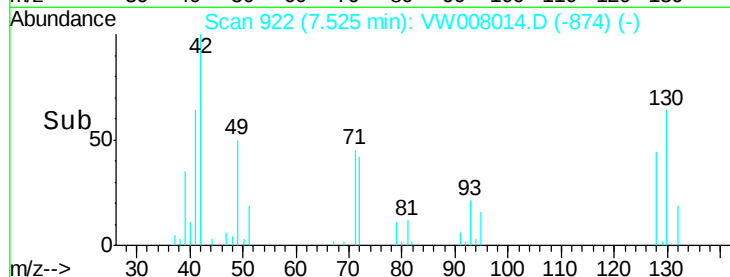
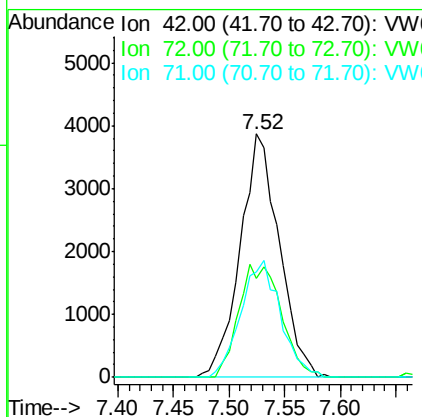
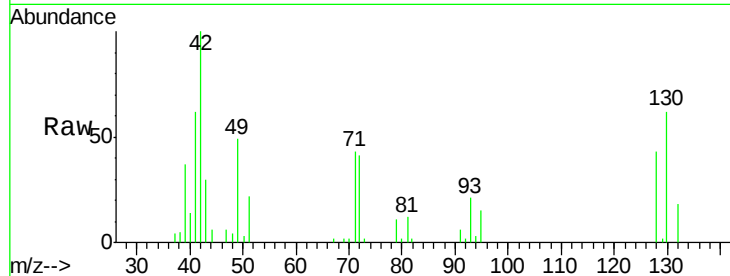
#29
Tetrahydrofuran
Concen: 102.418 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampled :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	39.0	58.6
71	48.8	39.1	58.7

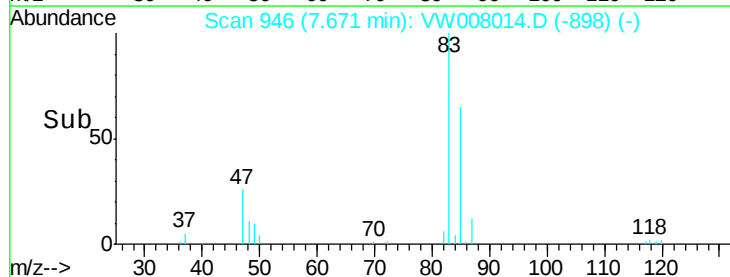
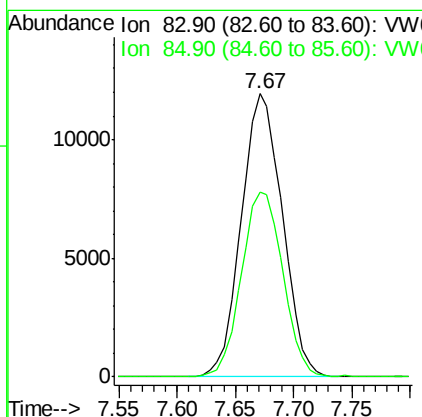
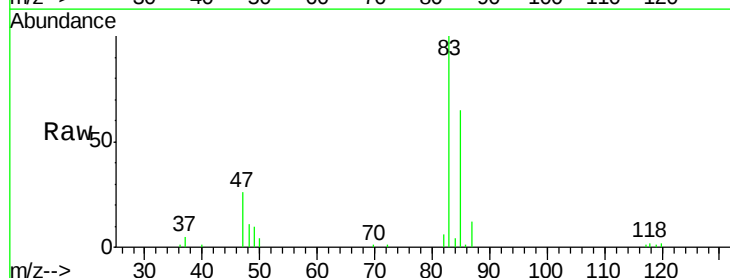
Manual Integrations
APPROVED

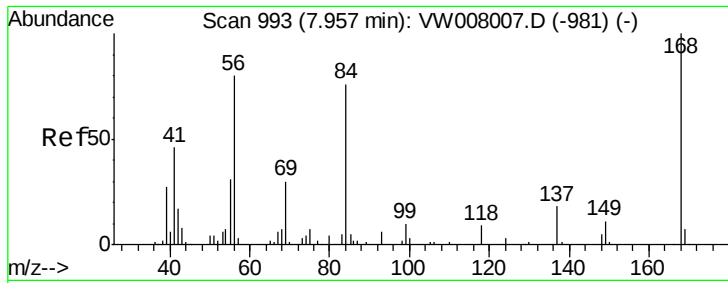
MMDadoda
1/4/2019 12:02:09 PM



#30
Chloroform
Concen: 19.608 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.7	79.1





#31

Cyclohexane

Concen: 19.126 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

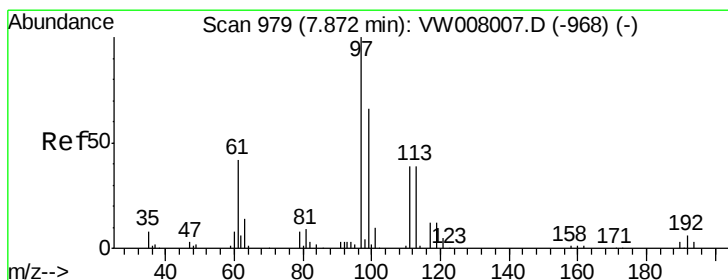
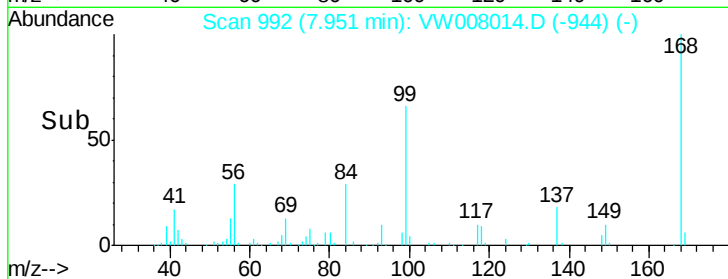
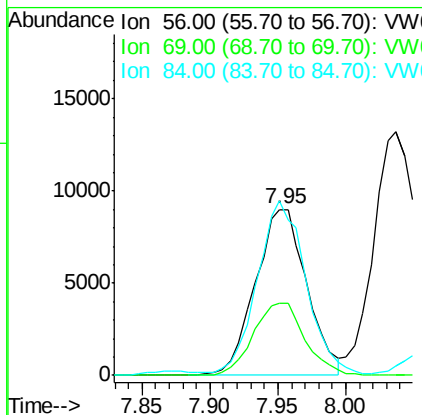
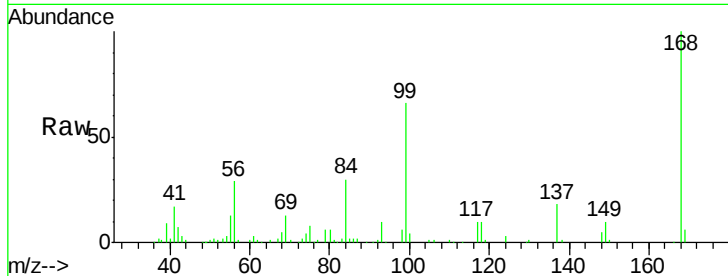
ClientSampleId :

VW0103SBS01

Tot Ion:	56	Resp:	23761
Ion	Ratio	Lower	Upper
56	100		
69	43.9	29.8	44.6
84	103.5	75.2	112.8

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



#32

1,1,1-Trichloroethane

Concen: 19.873 ug/l

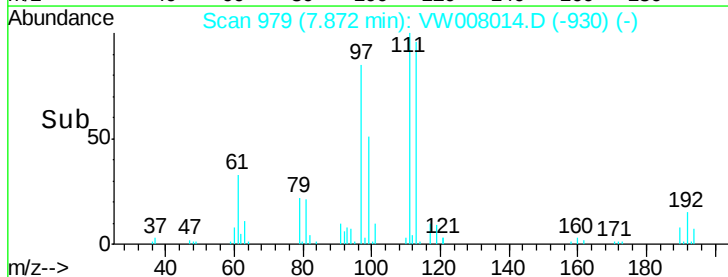
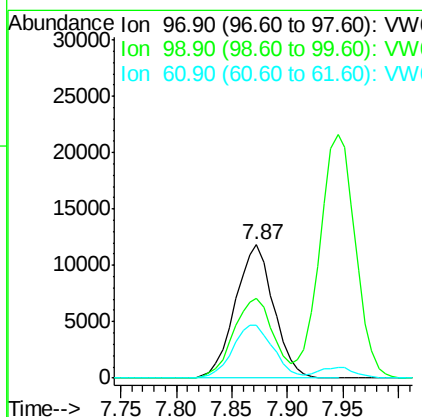
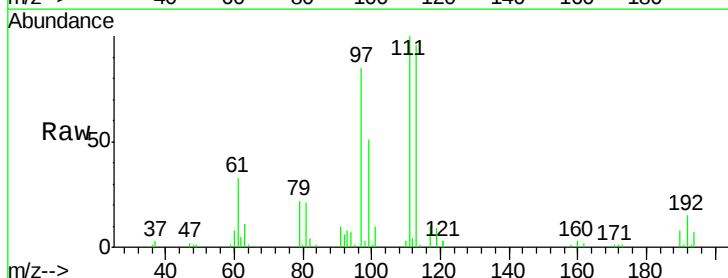
RT: 7.87 min Scan# 979

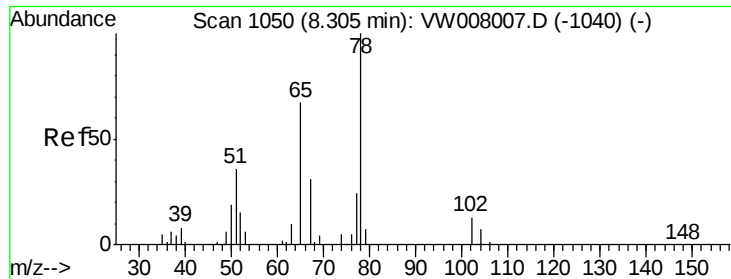
Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tgt Ion:	97	Resp:	28407
Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.5	77.3
61	42.0	33.4	50.0





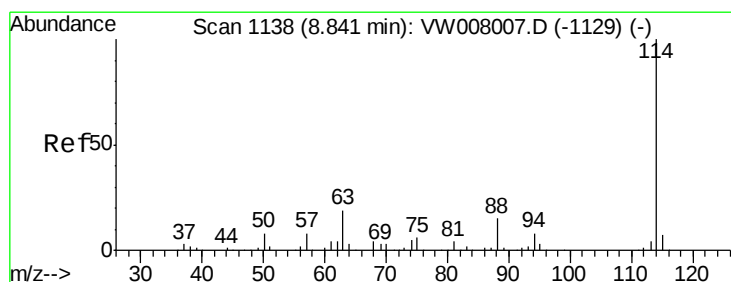
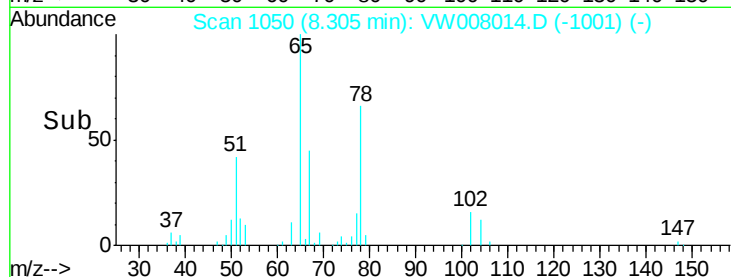
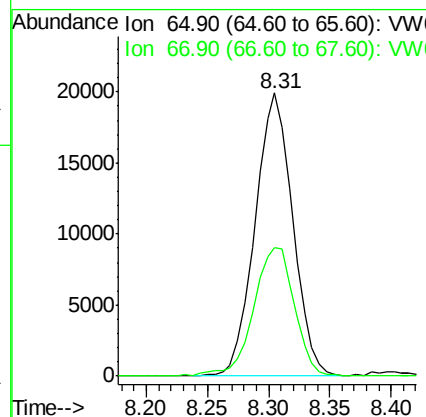
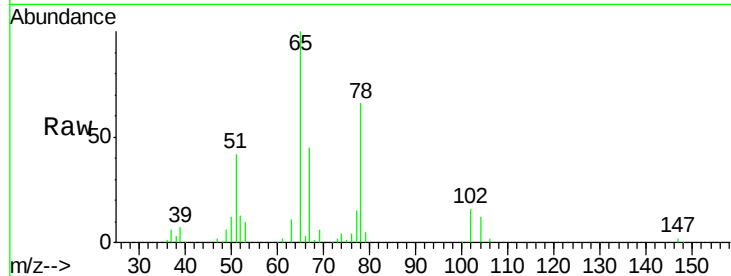
#33
 1,2-Dichloroethane-d4
 Concen: 52.491 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	42662		
67	49.6	0.0	94.8	

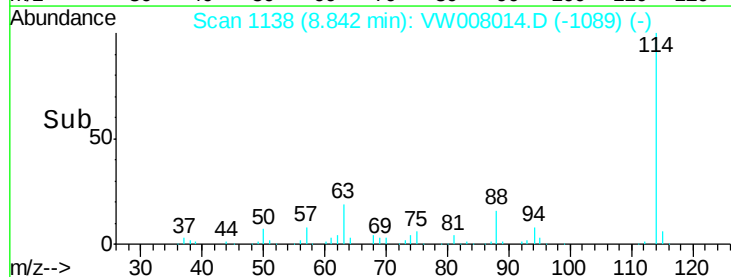
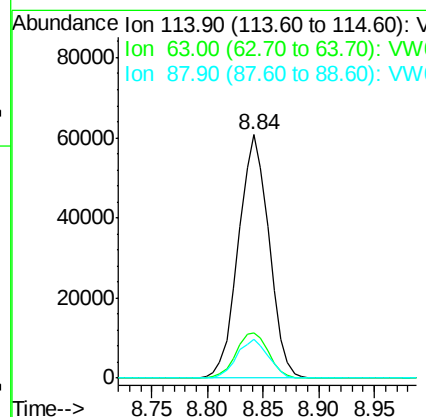
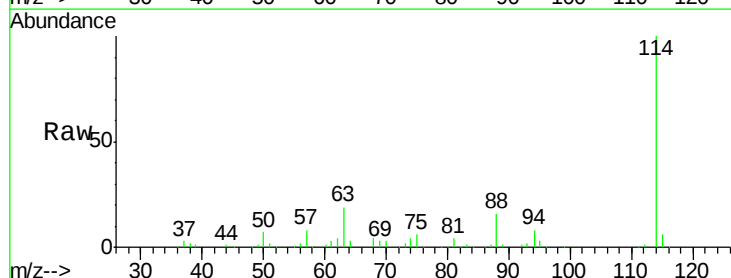
Manual Integrations
 APPROVED

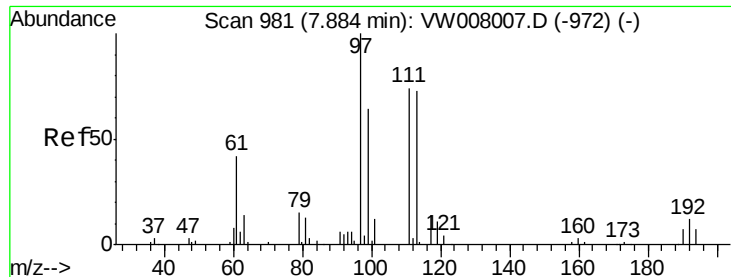
MMDadoda
 1/4/2019 12:02:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	115594		
63	18.8	0.0	37.8	
88	15.9	0.0	31.0	





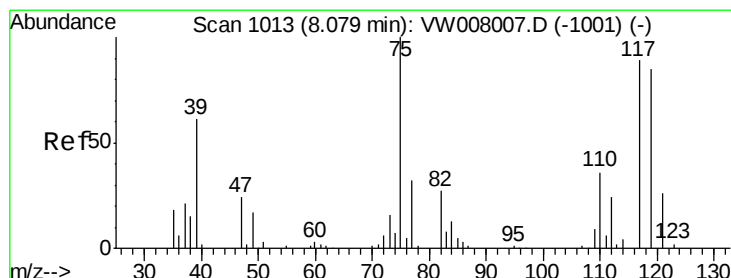
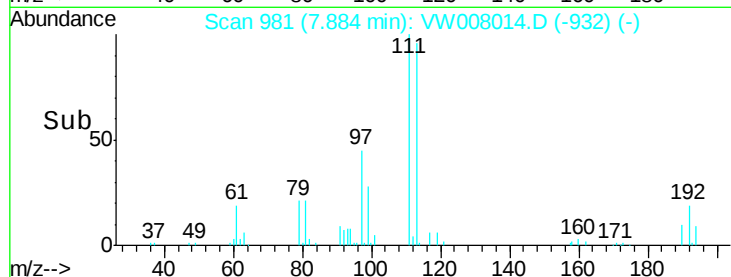
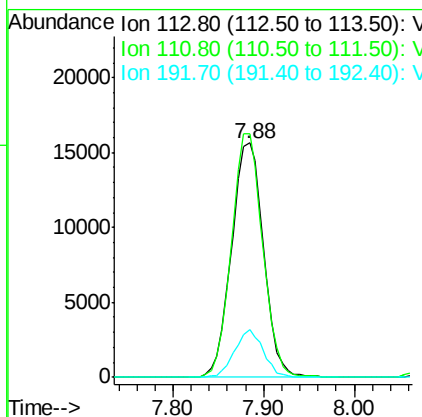
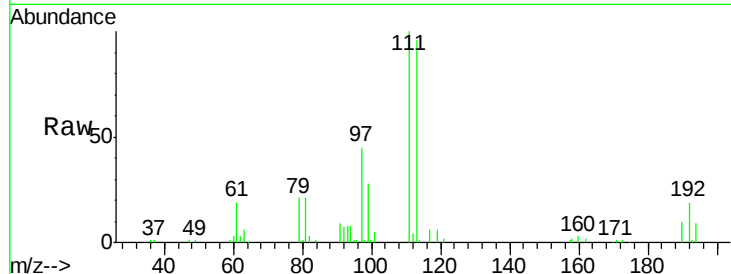
#35
 Dibromofluoromethane
 Concen: 52.560 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.4	122.0
192	18.2	14.8	22.2

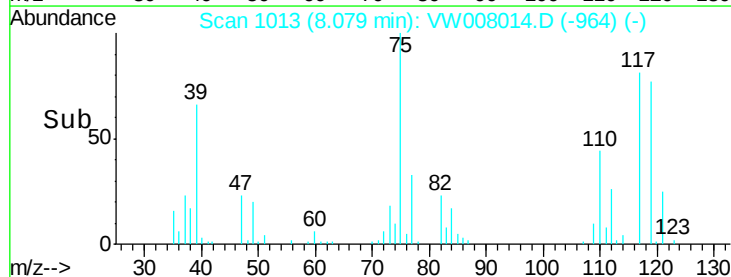
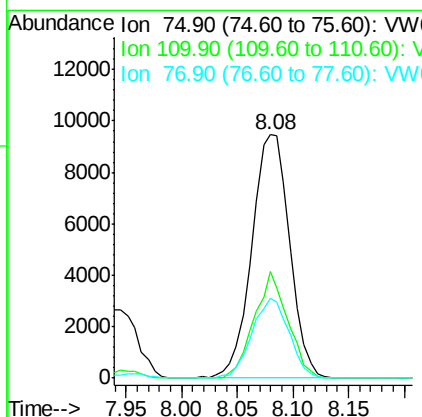
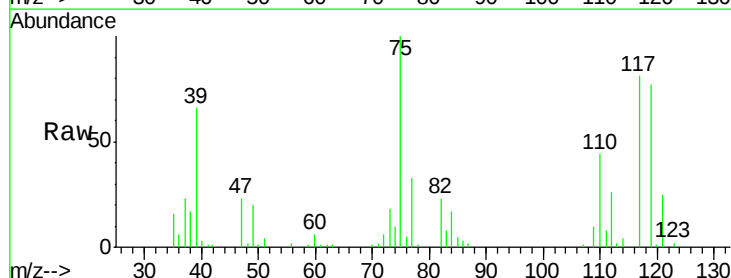
Manual Integrations
 APPROVED

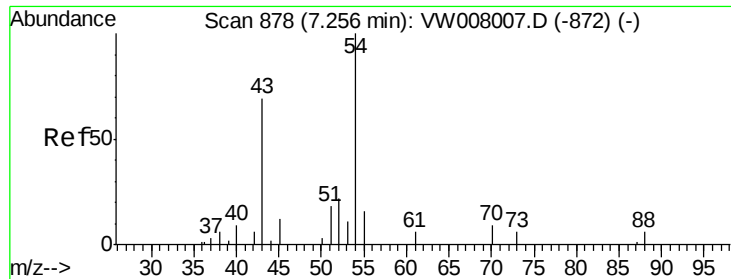
MMDadoda
 1/4/2019 12:02:09 PM



#36
 1,1-Dichloropropene
 Concen: 19.634 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	18.1	54.3
77	32.1	25.3	37.9





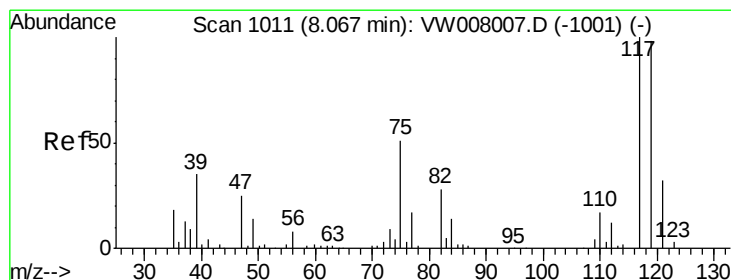
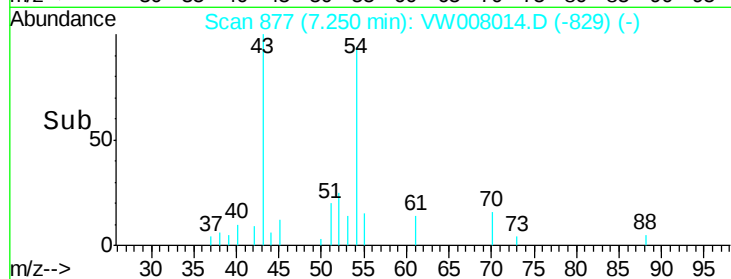
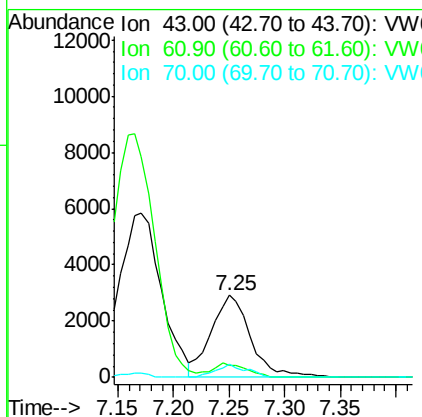
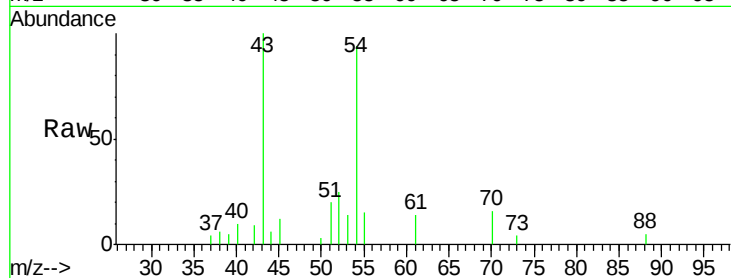
#37
Ethyl Acetate
Concen: 20.989 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.2
70	12.0	9.4	14.0

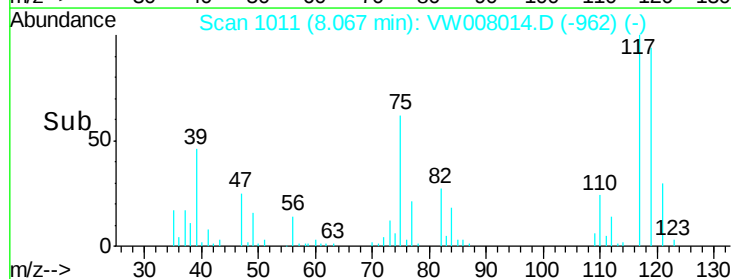
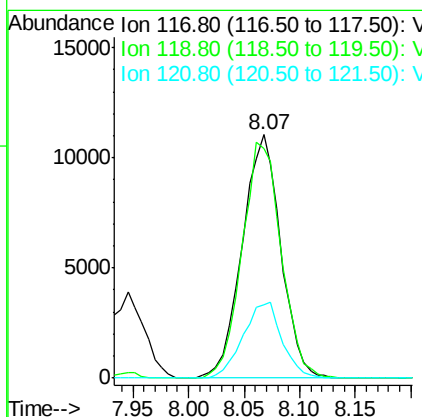
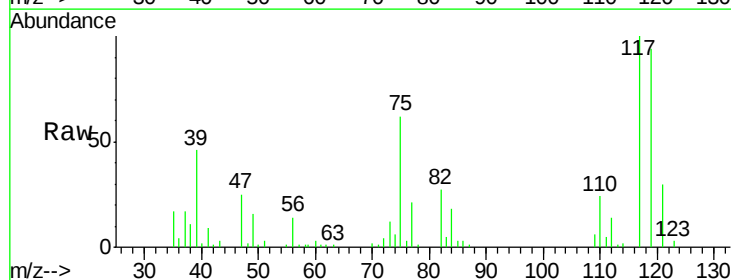
Manual Integrations
APPROVED

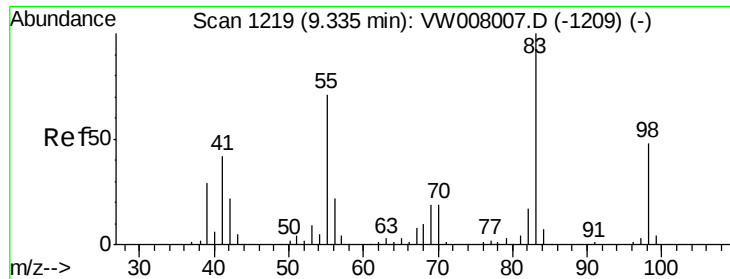
MMDadoda
1/4/2019 12:02:09 PM



#38
Carbon Tetrachloride
Concen: 19.461 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.7	118.1
121	30.2	25.8	38.8





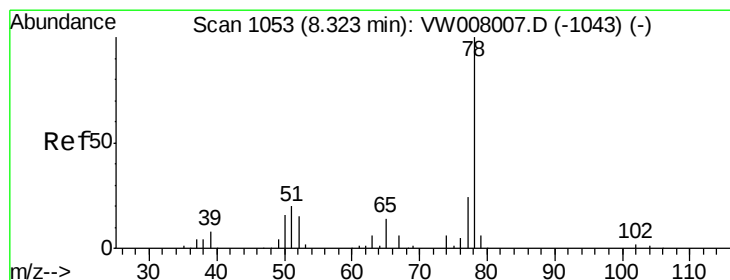
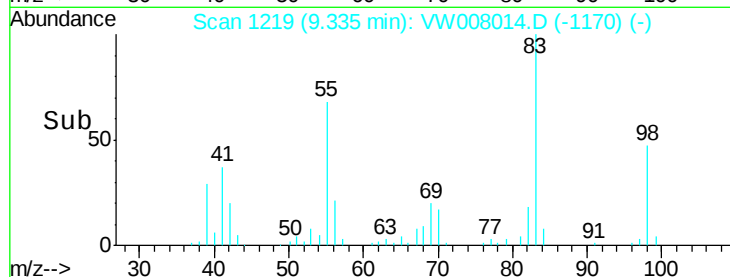
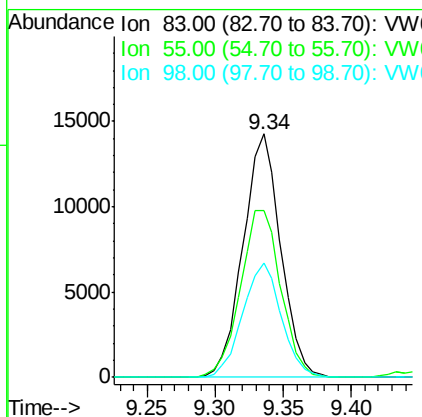
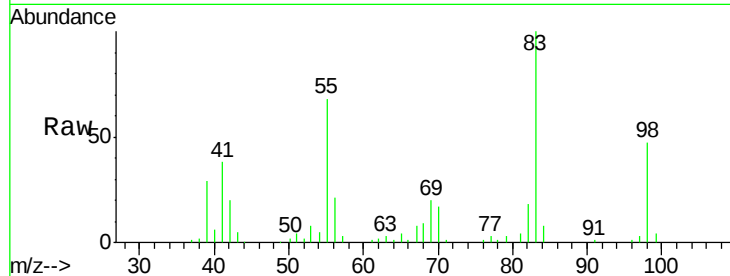
#39
Methvlcvclohexane
Concen: 19.514 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	83	Resp	27736
Ion Ratio	Lower	Upper	
83	100		
55	68.4	56.8	85.2
98	46.8	38.6	58.0

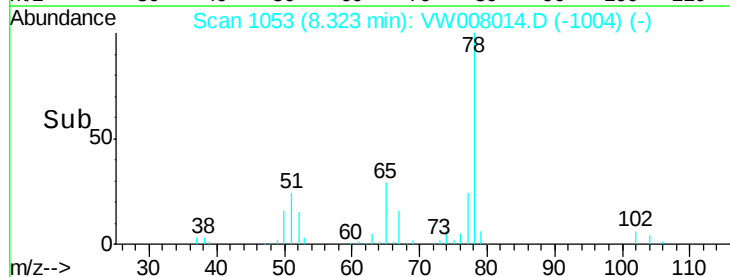
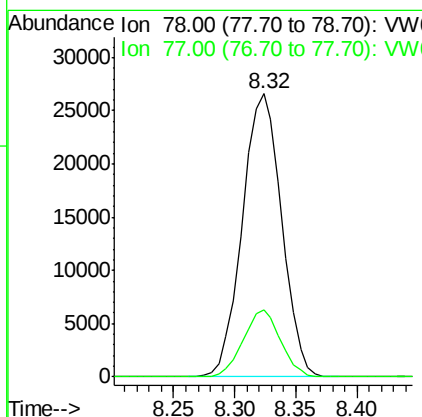
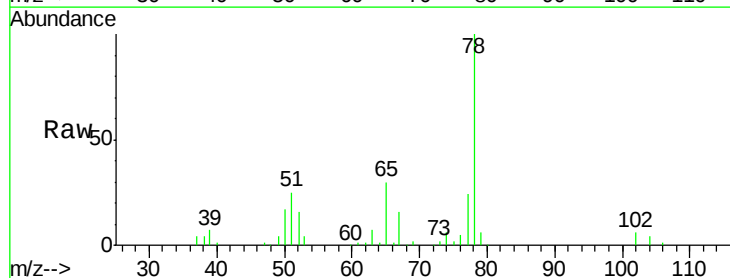
Manual Integrations
APPROVED

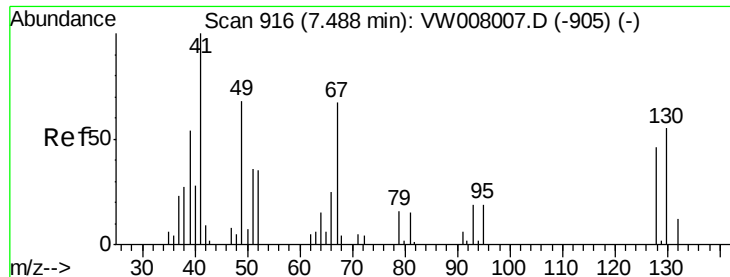
MMDadoda
1/4/2019 12:02:09 PM



#40
Benzene
Concen: 19.732 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	78	Resp	59357
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.0	28.6





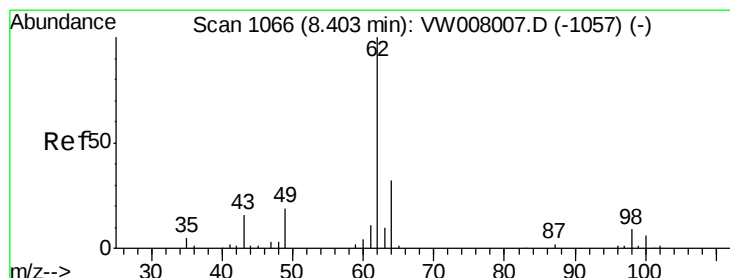
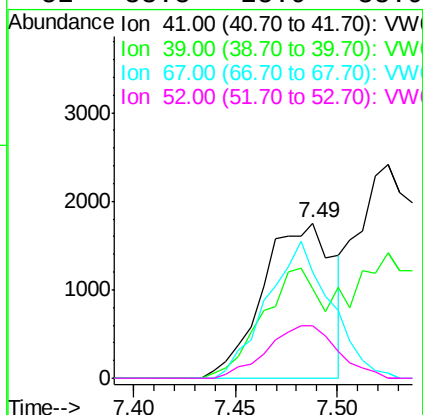
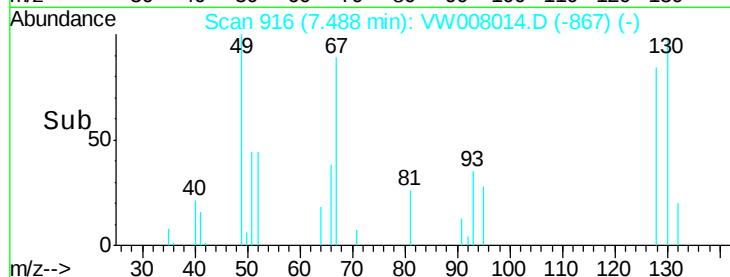
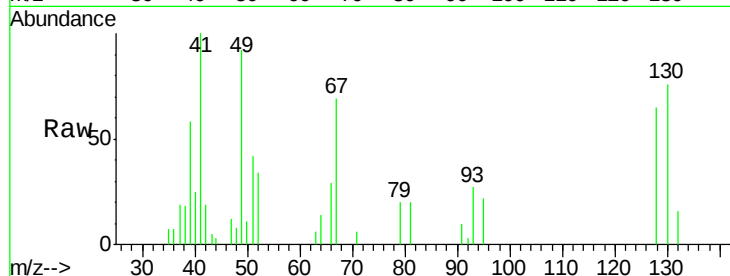
#41
Methacrylonitrile
Concen: 20.980 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion:	41	Resp:	4225
Ion	Ratio	Lower	Upper
41	100		
39	58.2	48.6	72.8
67	80.1	55.6	83.4
52	33.8	25.9	38.9

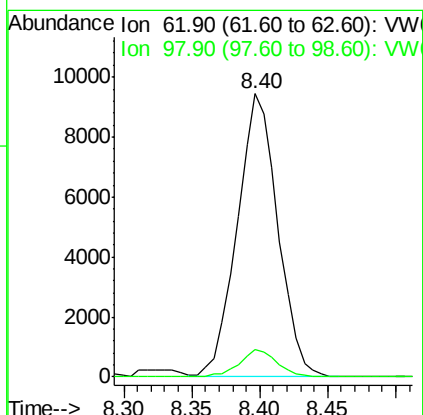
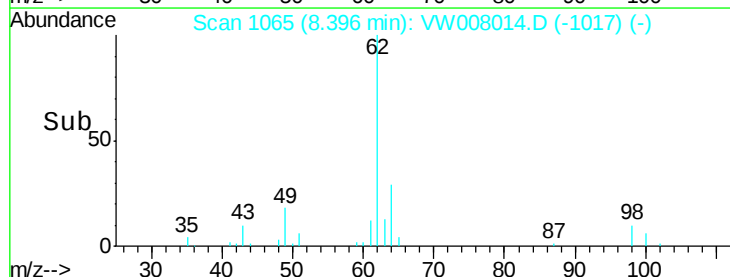
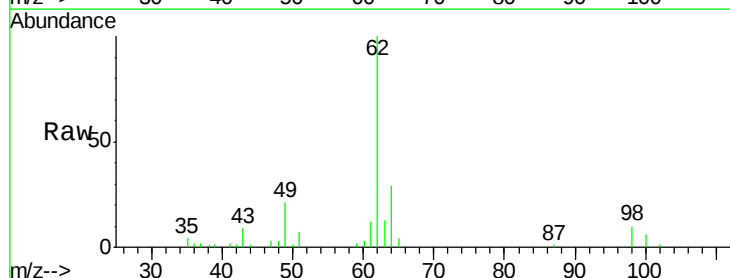
Manual Integrations
APPROVED

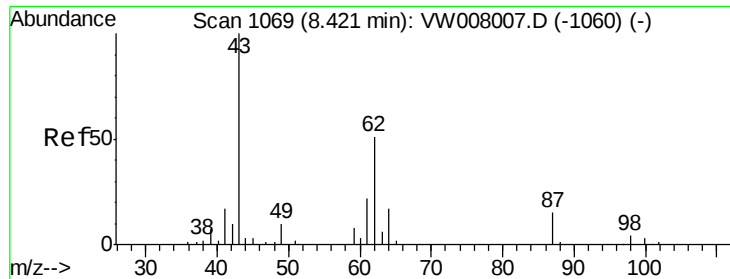
MMDadoda
1/4/2019 12:02:09 PM



#42
1,2-Dichloroethane
Concen: 19.667 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion:	62	Resp:	19712
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 20.458 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

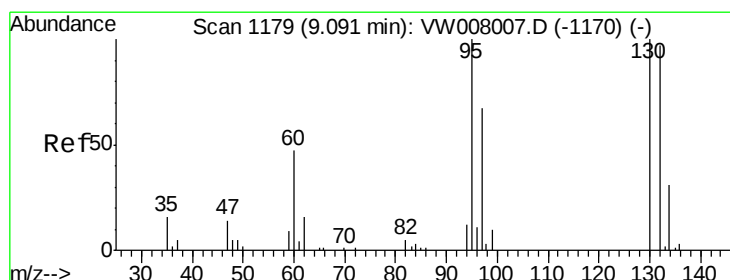
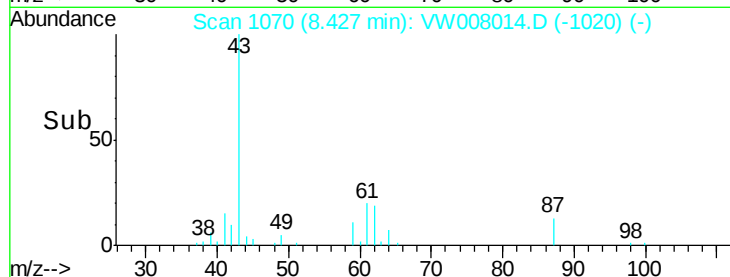
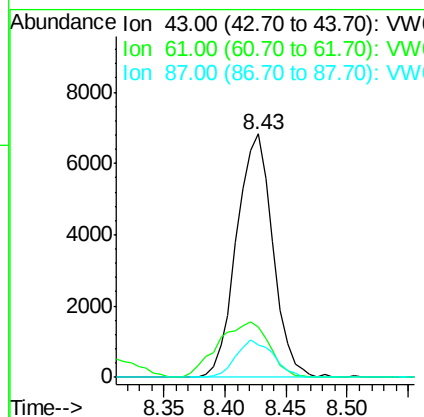
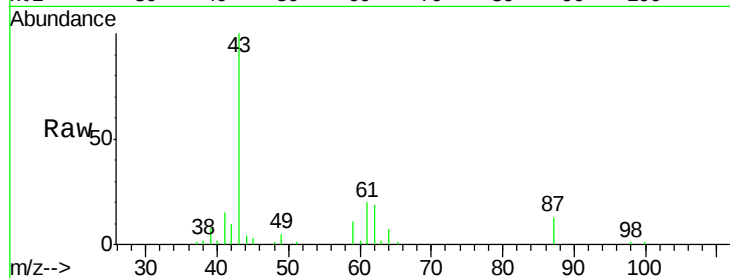
ClientSampleId :

VW0103SBS01

Tot Ion:	43	Resp:	14001
Ion	Ratio	Lower	Upper
43	100		
61	32.1	26.4	39.6
87	15.9	12.0	18.0

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



#44

Trichloroethene

Concen: 19.108 ug/l

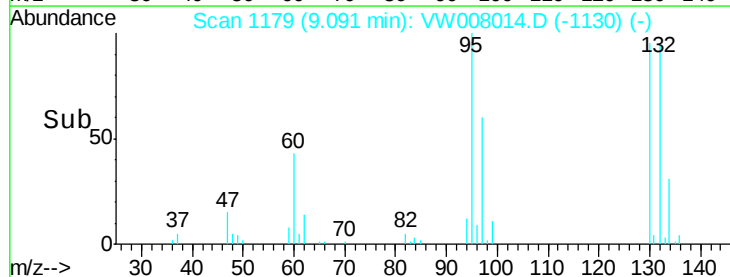
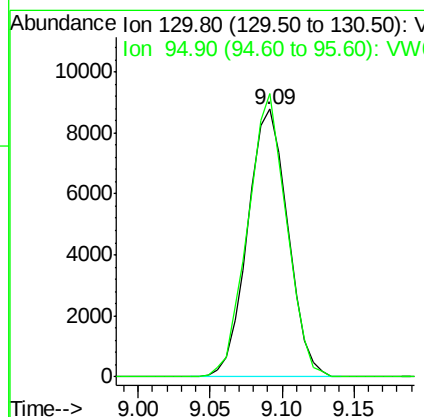
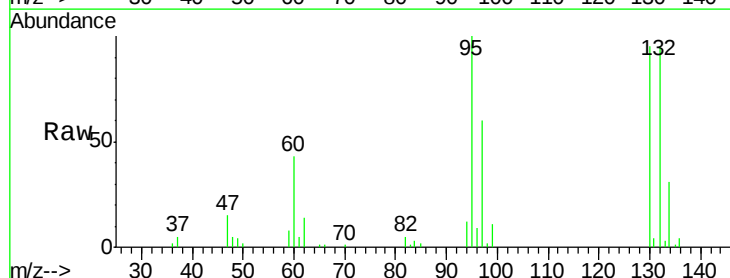
RT: 9.09 min Scan# 1179

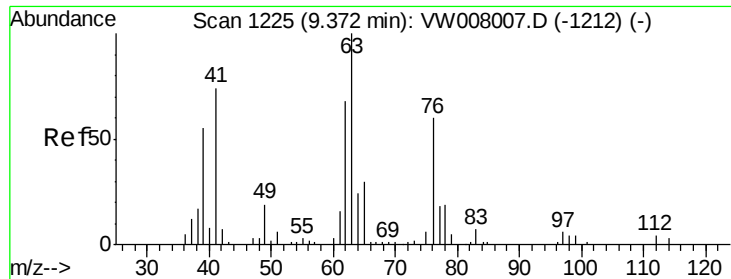
Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tgt Ion:	130	Resp:	16962
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	200.0





#45

1,2-Dichloropropane

Concen: 20.101 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

VW0103SBS01

Tot Ion: 63 Resp: 13088

Ion Ratio Lower Upper

63 100

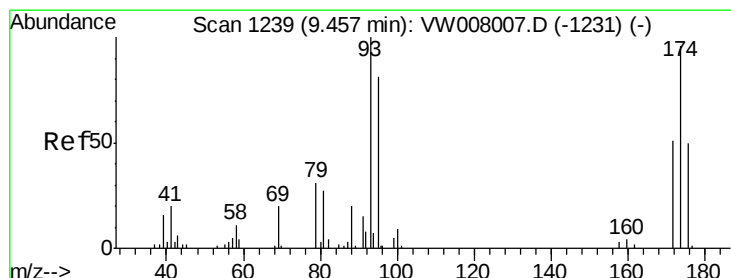
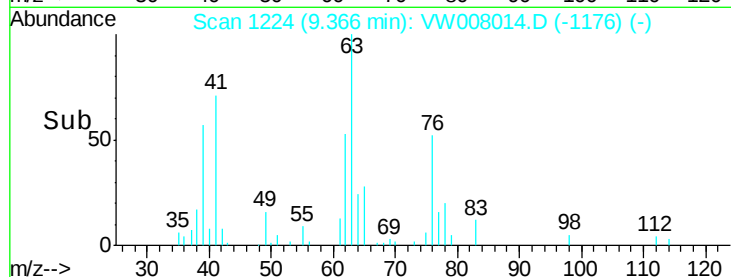
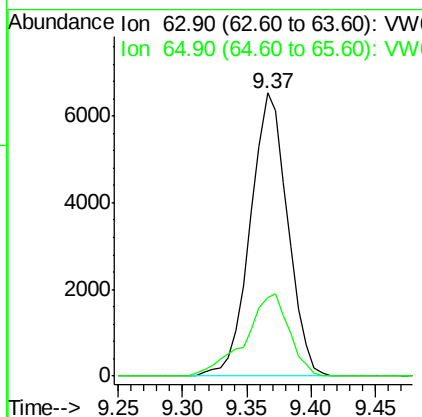
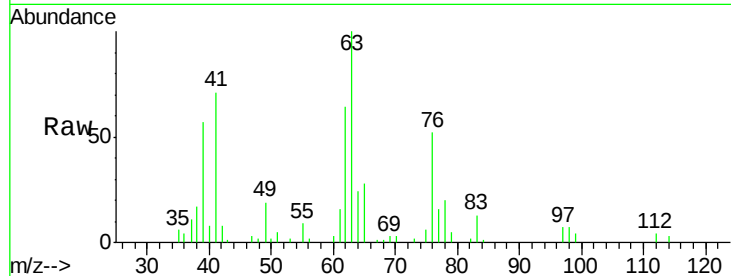
65 27.7 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:09 PM



#46

Dibromomethane

Concen: 19.948 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

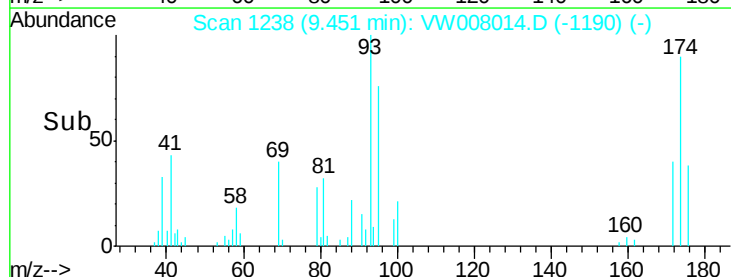
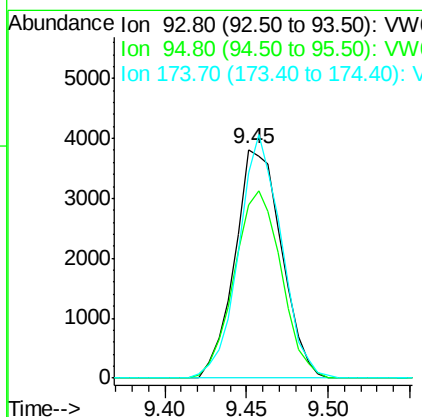
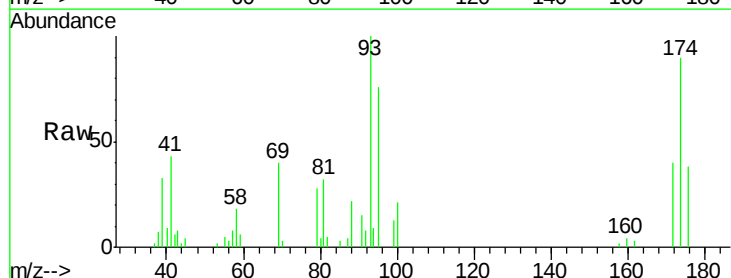
Tgt Ion: 93 Resp: 7594

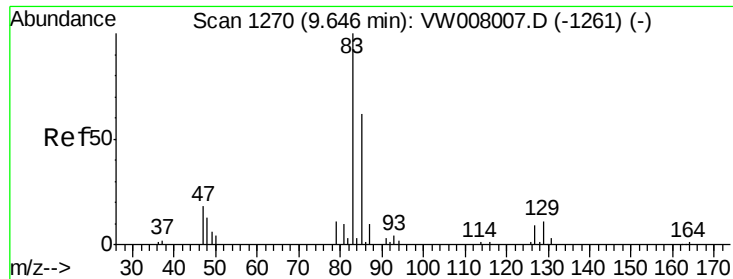
Ion Ratio Lower Upper

93 100

95 82.2 63.9 95.9

174 97.2 79.0 118.6





#47

Bromodichloromethane

Concen: 19.112 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

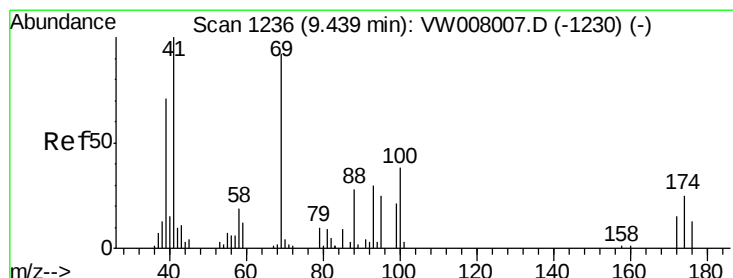
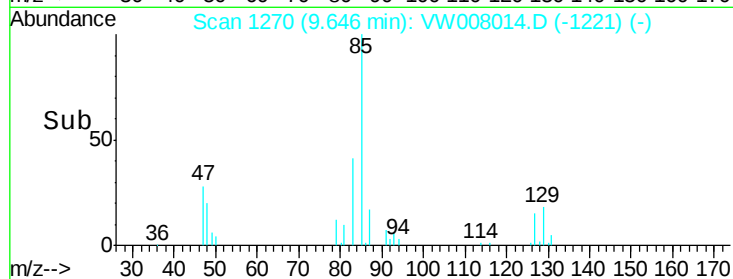
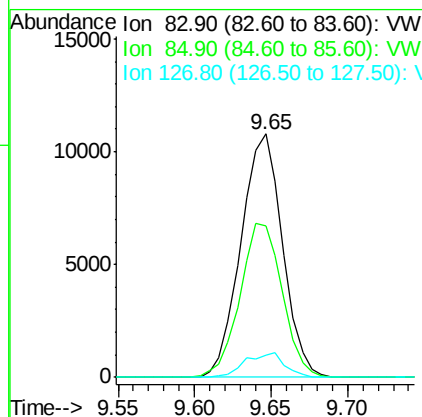
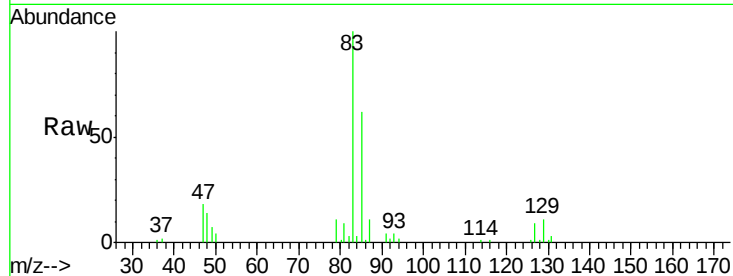
ClientSampleId :

VW0103SBS01

Tot Ion:	83	Resp:	20378
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.5	74.3
127	9.3	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



#48

Methyl methacrylate

Concen: 20.442 ug/l

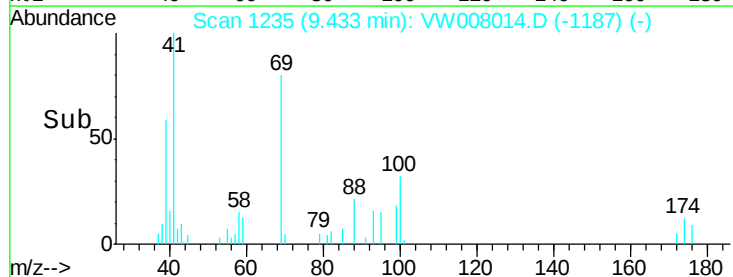
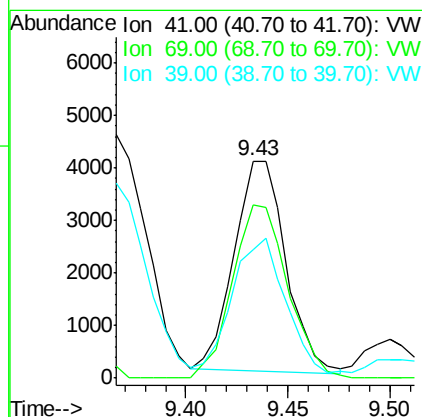
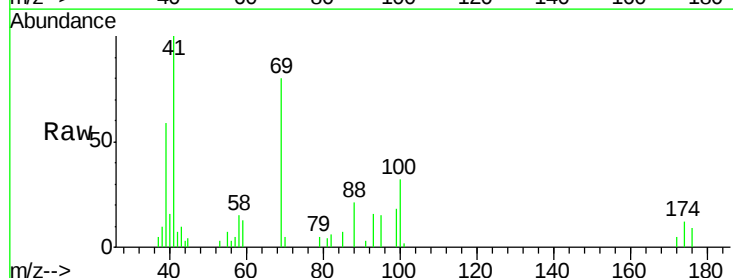
RT: 9.43 min Scan# 1235

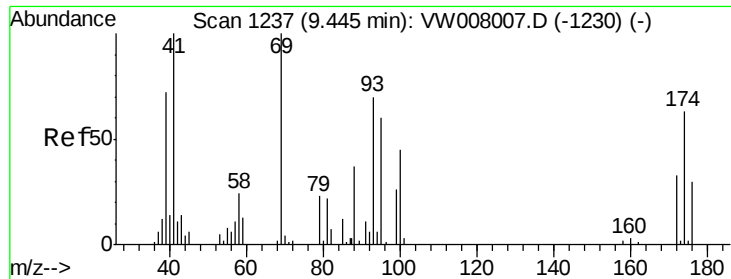
Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tgt Ion:	41	Resp:	7054
Ion	Ratio	Lower	Upper
41	100		
69	88.1	72.3	108.5
39	65.6	58.7	88.1





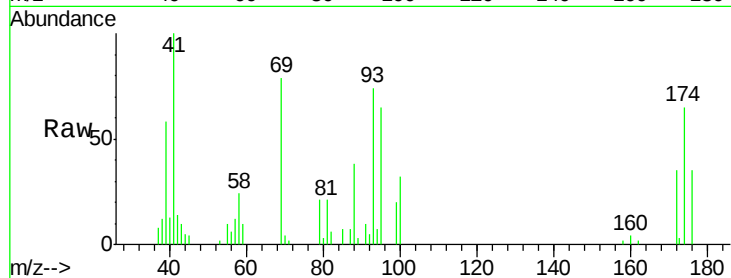
#49
1,4-Dioxane
Concen: 400.451 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

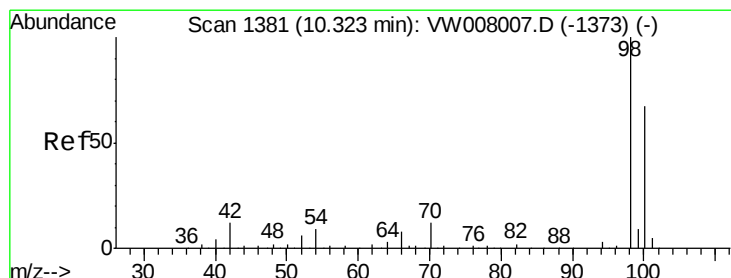
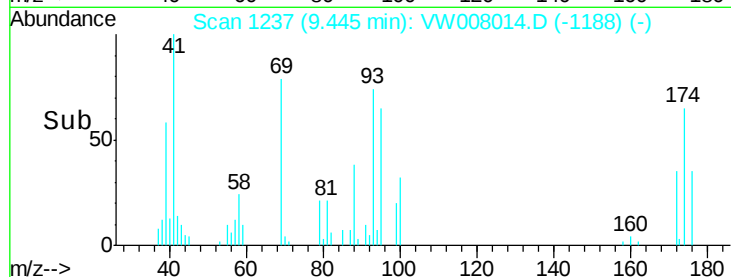
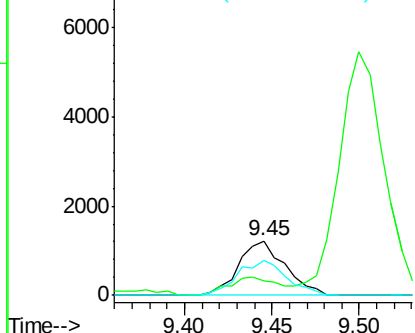
Tot Ion	88	Resp	2256
Ion	Ratio	Lower	Upper
88	100		
43	37.3	26.8	40.2
58	68.1	55.8	83.6

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM

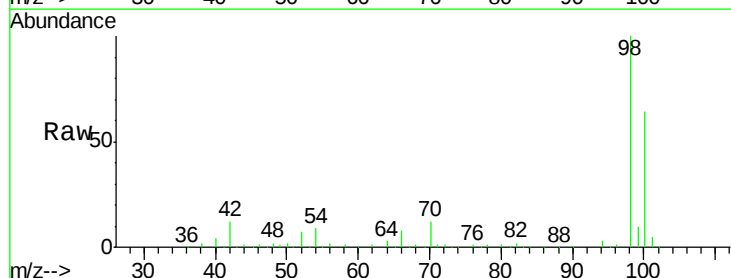


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

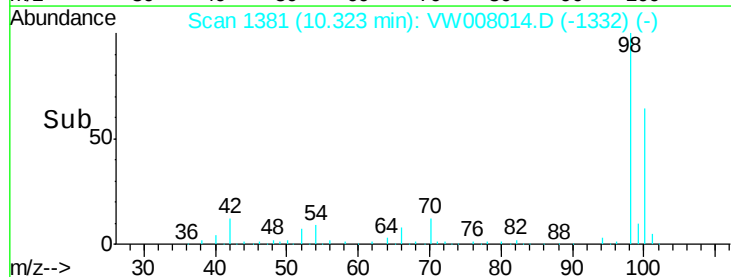
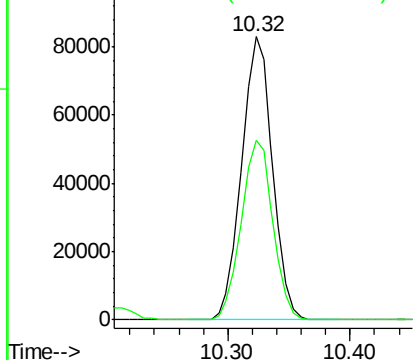


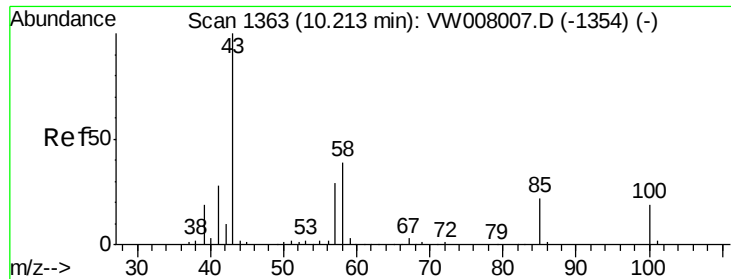
#50
Toluene-d8
Concen: 53.067 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	98	Resp	145063
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 101.749 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 43 Resp: 32233

Ion Ratio Lower Upper

43 100

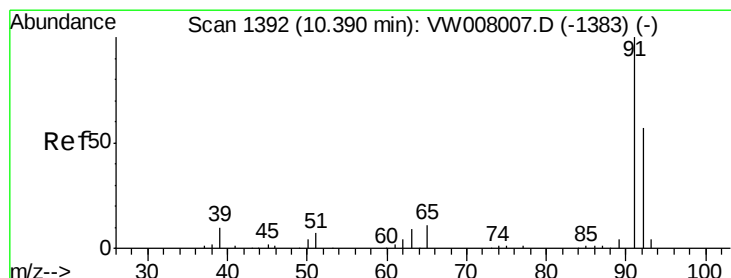
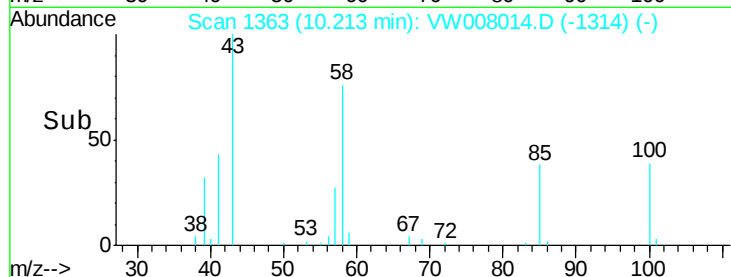
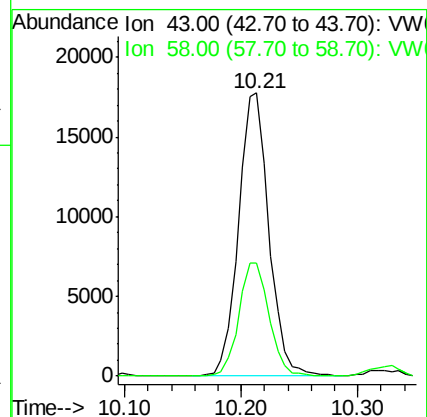
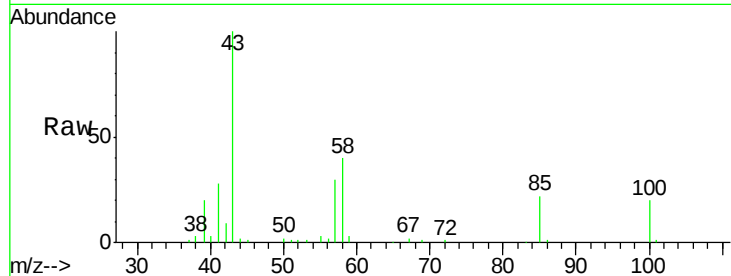
58 40.0 32.0 48.0

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:09 PM



#52

Toluene

Concen: 19.662 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008014.D

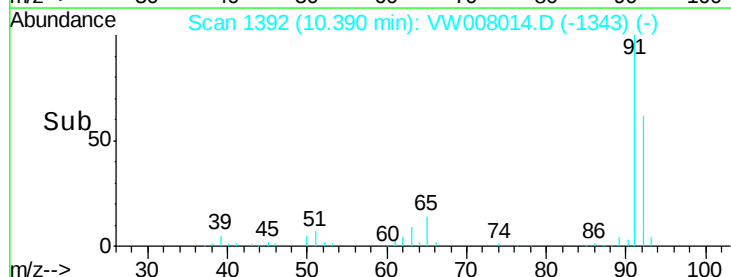
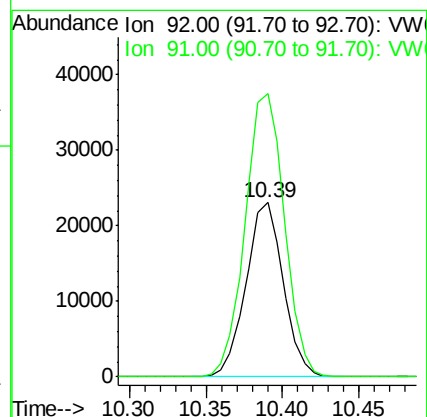
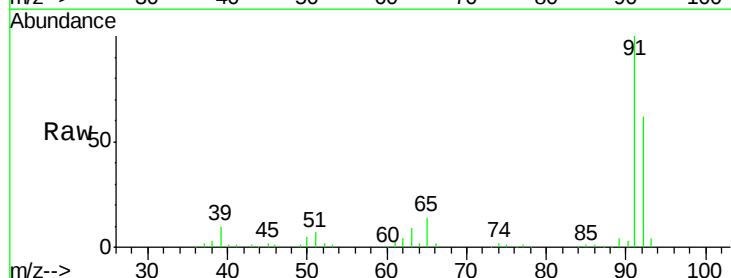
Acq: 03 Jan 2019 12:17

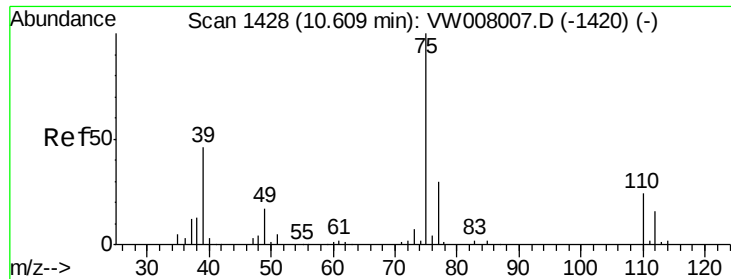
Tgt Ion: 92 Resp: 39048

Ion Ratio Lower Upper

92 100

91 171.3 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 19.778 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

VW0103SBS01

Tot Ion: 75 Resp: 20278

Ion Ratio Lower Upper

75 100

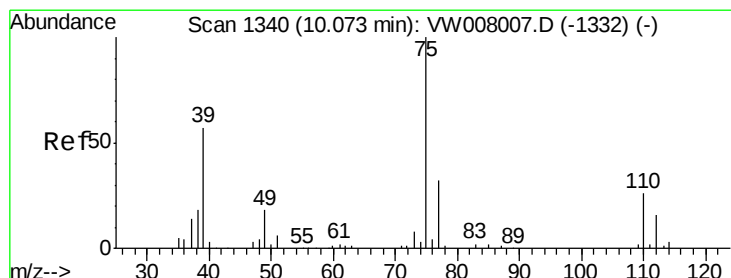
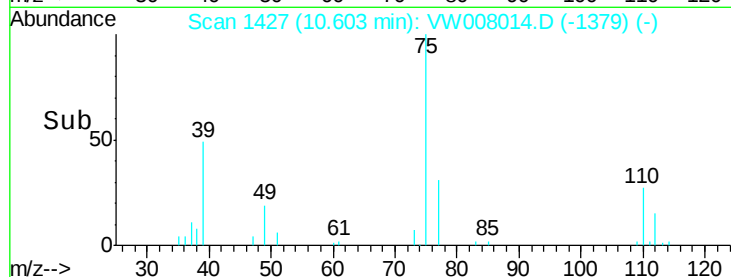
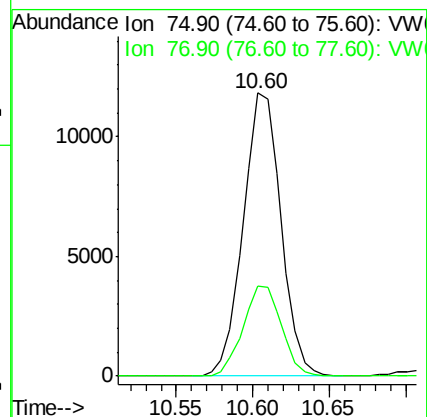
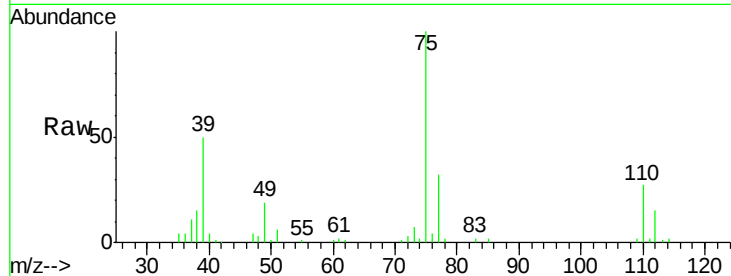
77 31.7 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:09 PM



#54

cis-1,3-Dichloropropene

Concen: 19.675 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

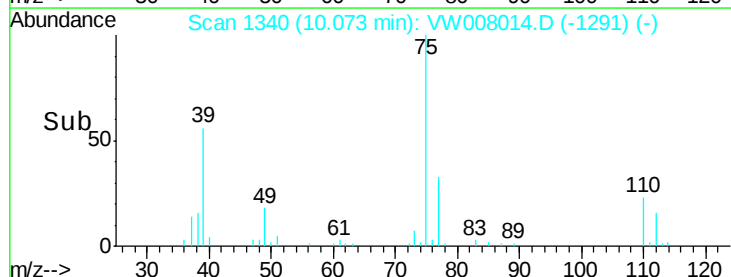
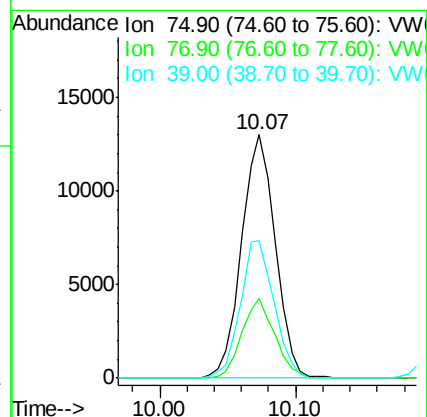
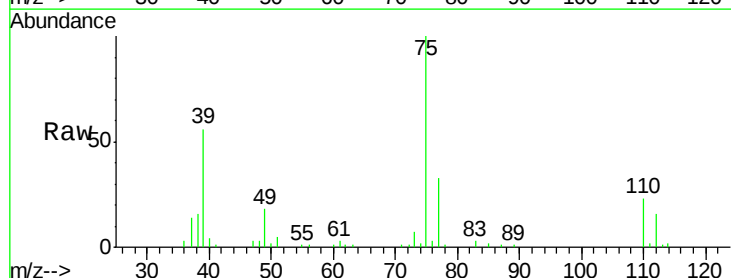
Tgt Ion: 75 Resp: 22510

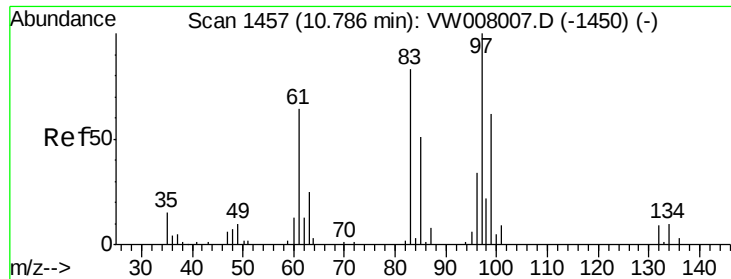
Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9

39 56.2 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 20.074 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

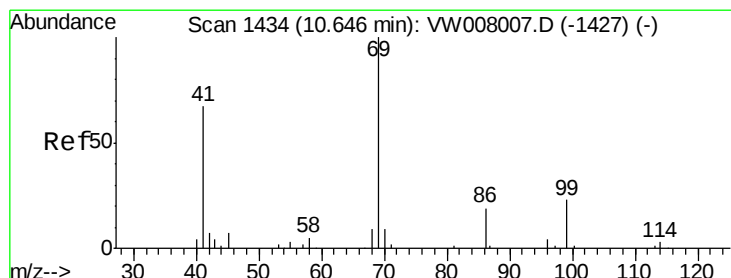
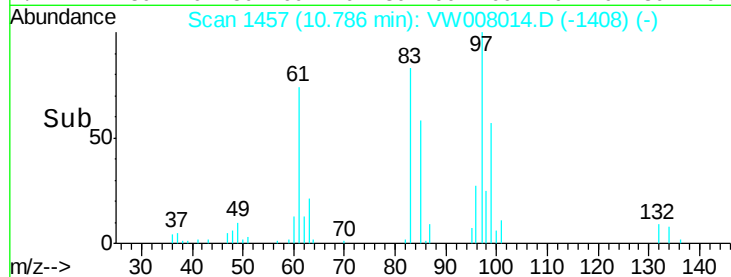
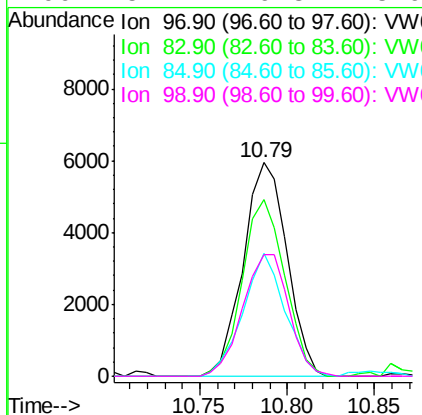
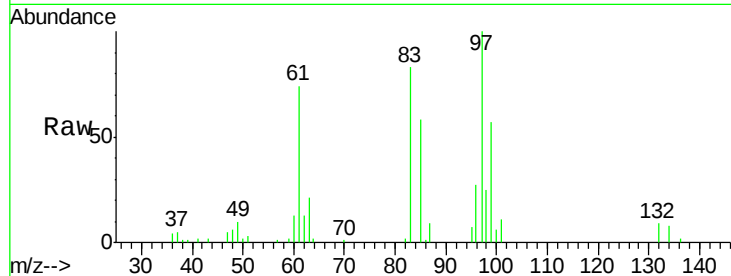
ClientSampleId :

VW0103SBS01

Tot Ion:	97	Resp:	10347
Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.2	99.2
85	57.8	41.0	61.4
99	57.2	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



#56

Ethyl methacrylate

Concen: 20.074 ug/l

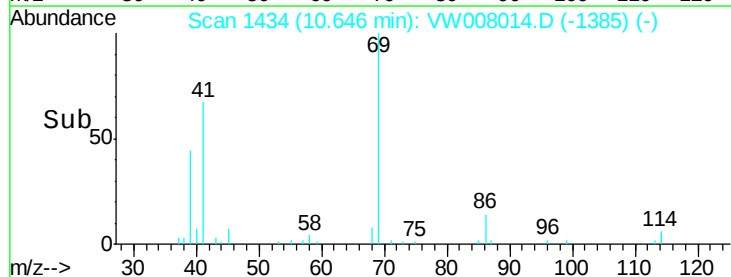
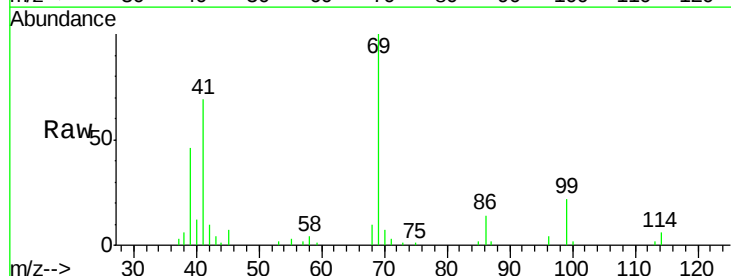
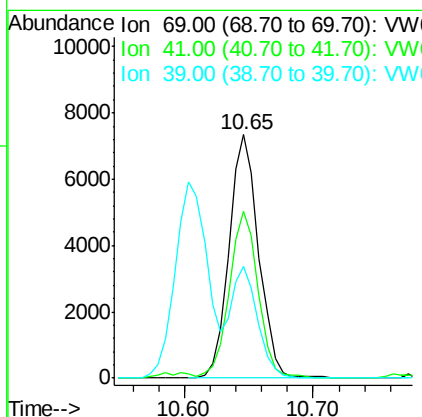
RT: 10.65 min Scan# 1434

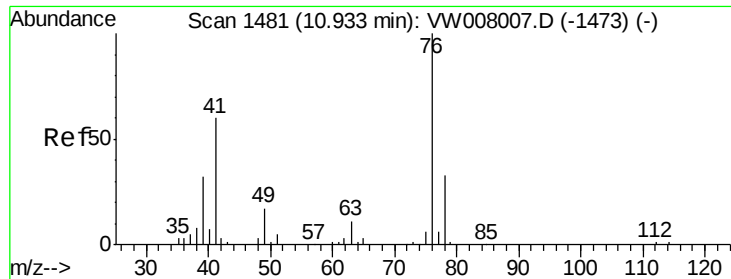
Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tgt Ion:	69	Resp:	11697
Ion	Ratio	Lower	Upper
69	100		
41	67.5	52.6	79.0
39	42.1	35.8	53.6





#57

1,3-Dichloropropane

Concen: 20.227 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion: 76 Resp: 17715

Ion Ratio Lower Upper

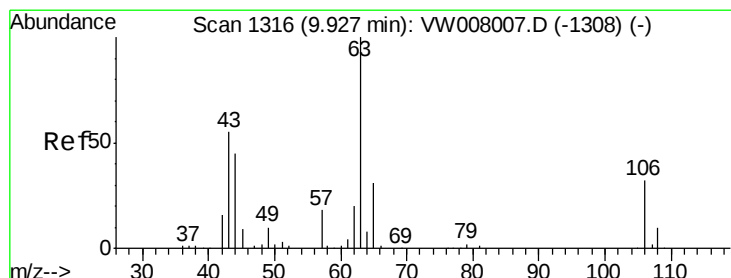
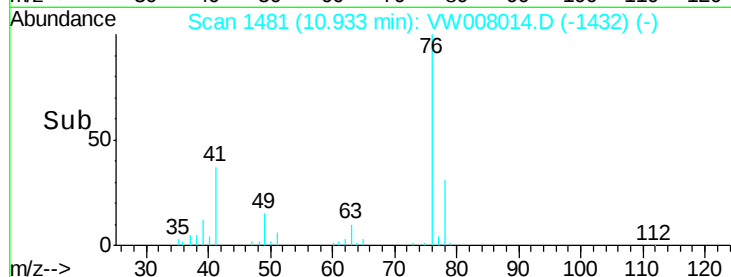
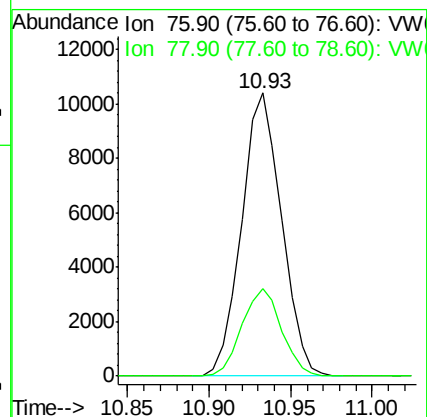
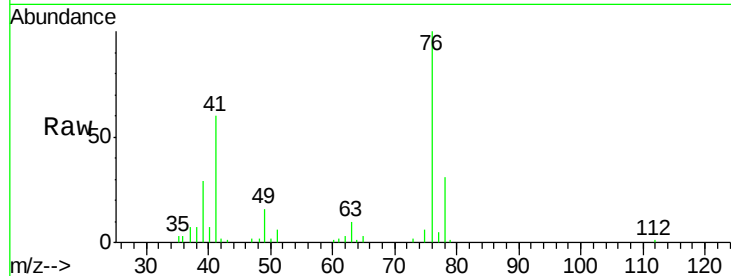
76 100

78 30.6 26.7 40.1

Manual Integrations
APPROVED

MMDadoda

1/4/2019 12:02:09 PM



#58

2-Chloroethyl Vinyl ether

Concen: 104.404 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW008014.D

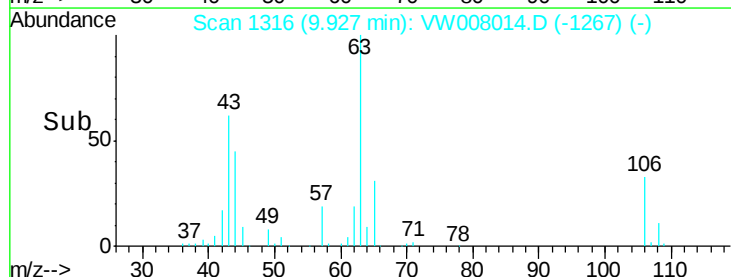
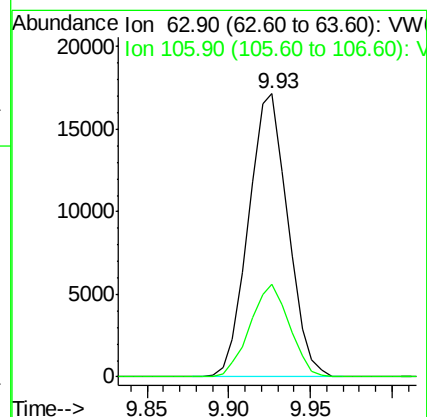
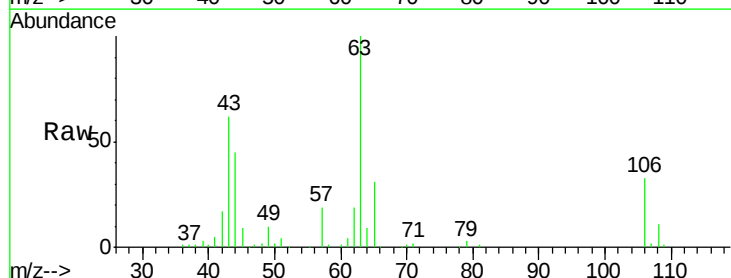
Acq: 03 Jan 2019 12:17

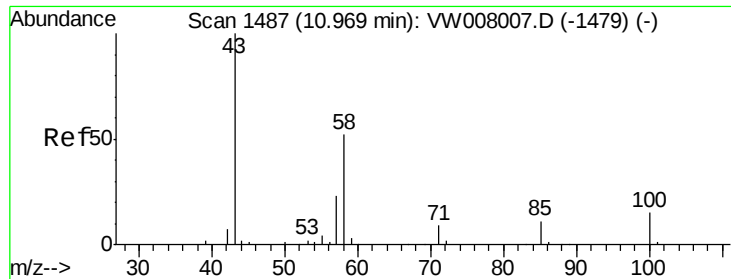
Tgt Ion: 63 Resp: 28852

Ion Ratio Lower Upper

63 100

106 33.0 26.9 40.3





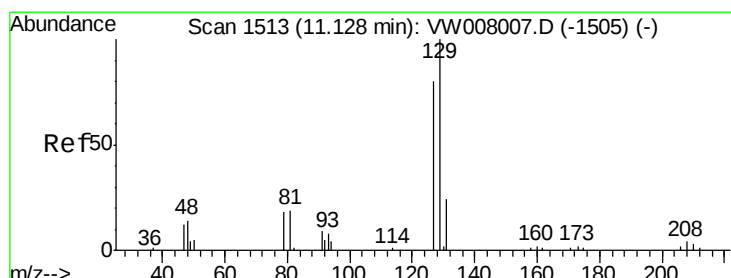
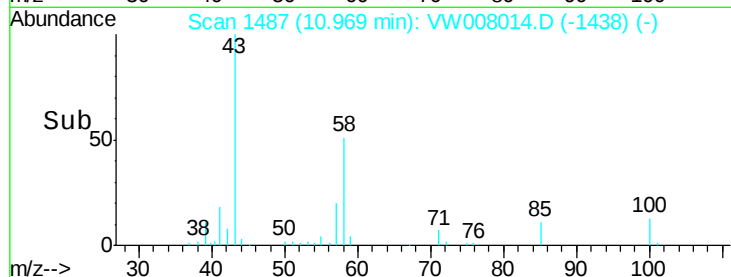
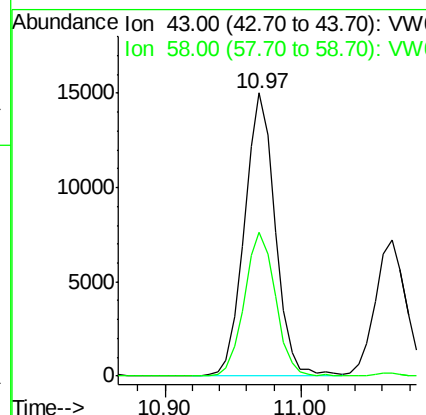
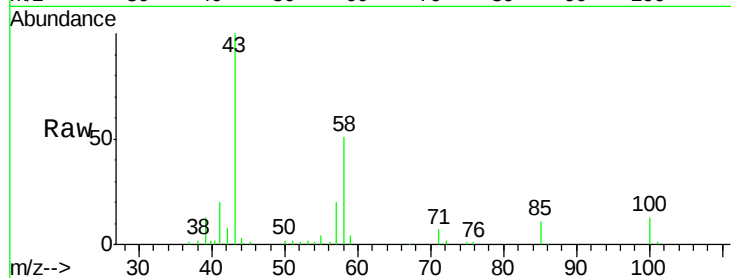
#59
2-Hexanone
Concen: 108.693 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion: 43 Resp: 23771
Ion Ratio Lower Upper
43 100
58 51.1 27.1 81.2

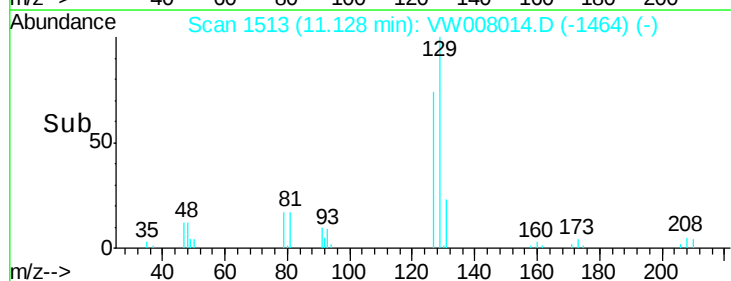
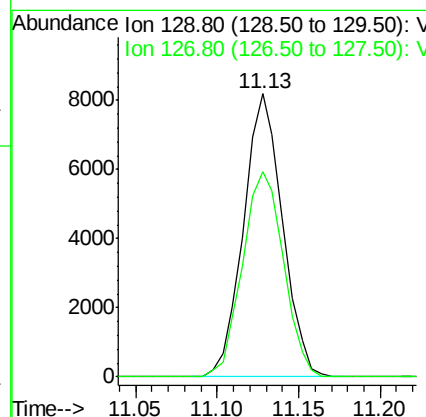
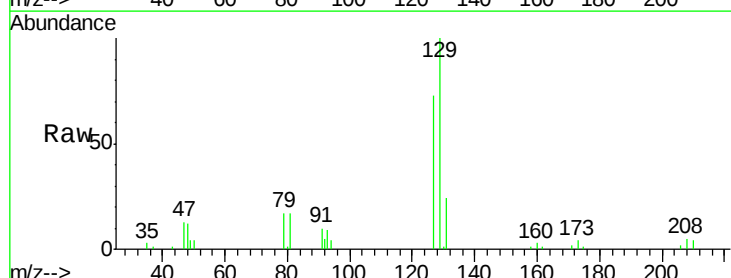
Manual Integrations
APPROVED

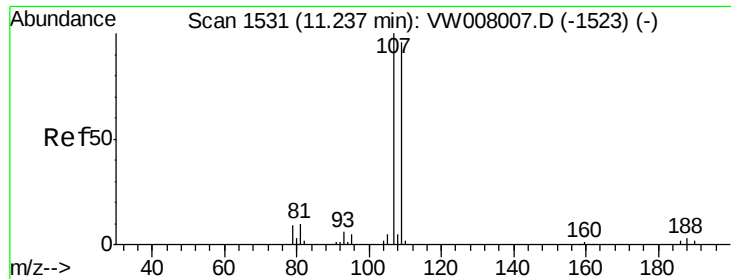
MMDadoda
1/4/2019 12:02:09 PM



#60
Dibromochloromethane
Concen: 19.323 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion: 129 Resp: 13633
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.532 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion:107 Resp: 10075

Ion Ratio Lower Upper

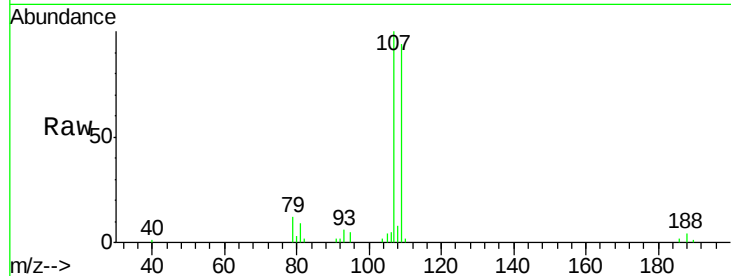
107 100

109 95.6 77.2 115.8

Manual Integrations
APPROVED

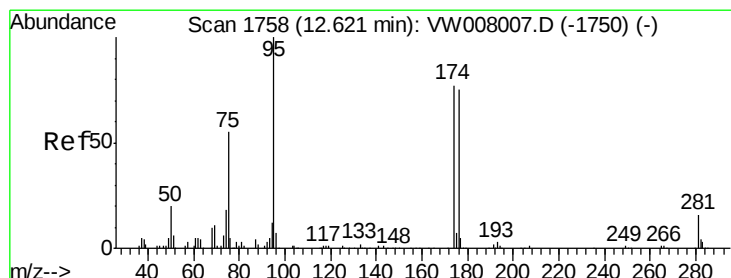
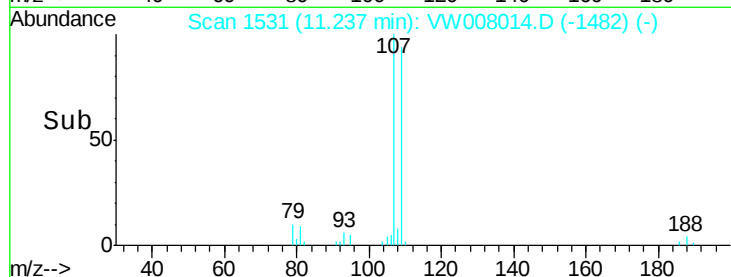
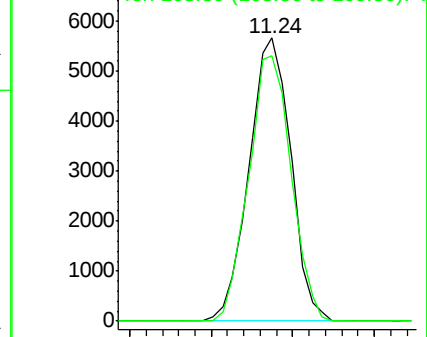
MMDadoda

1/4/2019 12:02:09 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.407 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

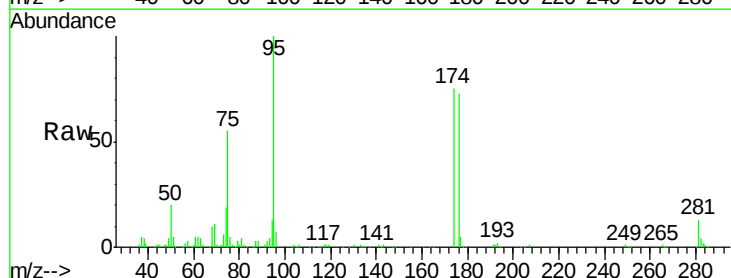
Tgt Ion: 95 Resp: 54940

Ion Ratio Lower Upper

95 100

174 75.3 0.0 149.6

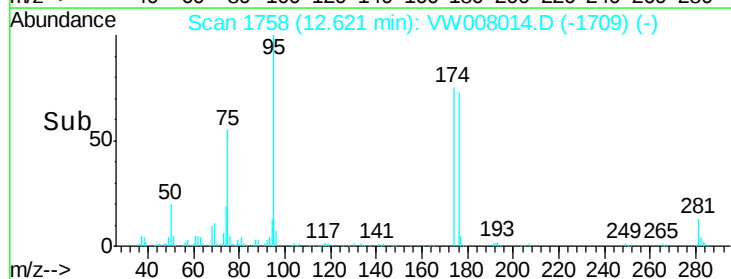
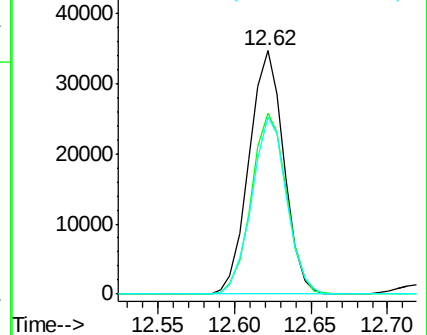
176 72.8 0.0 145.4

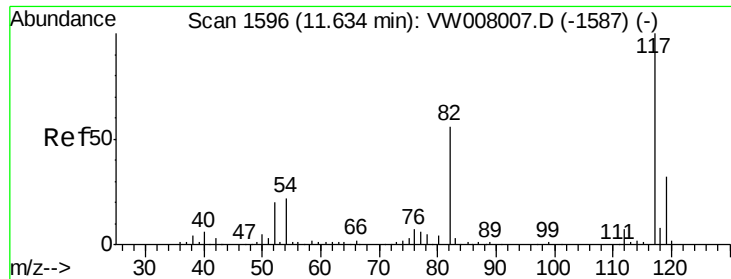


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





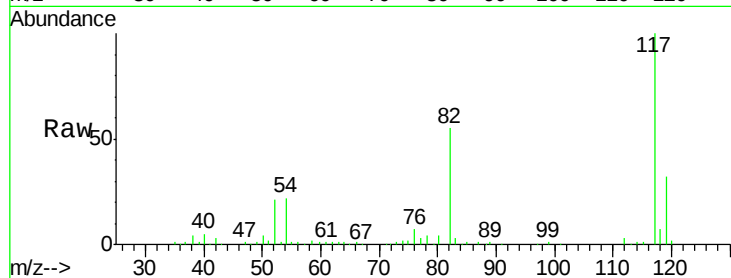
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.8	67.2
119	32.3	25.6	38.4

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM

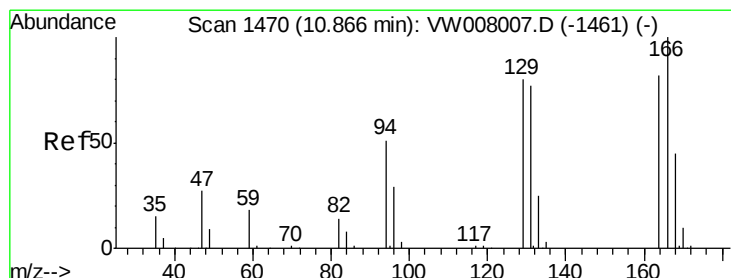
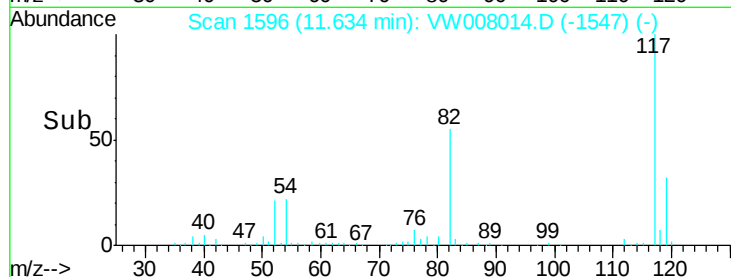
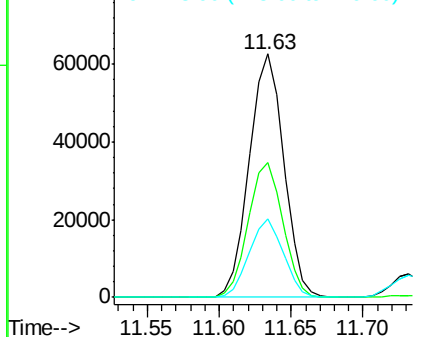


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.931 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	98.1	147.1
129	105.4	78.0	117.0
131	103.2	75.8	113.8

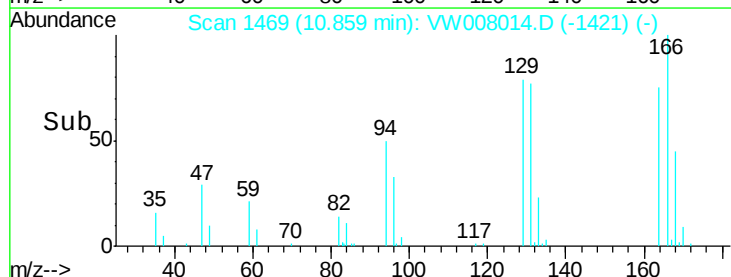
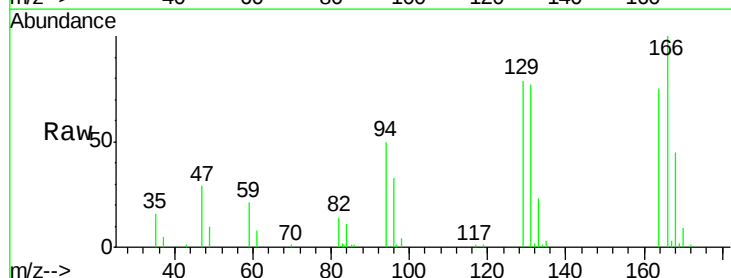
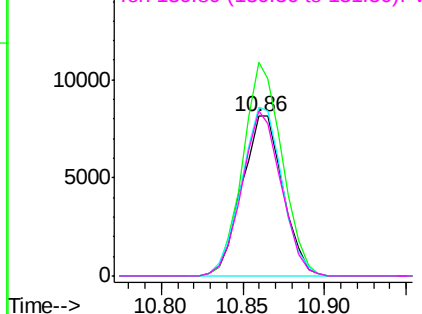
Abundance

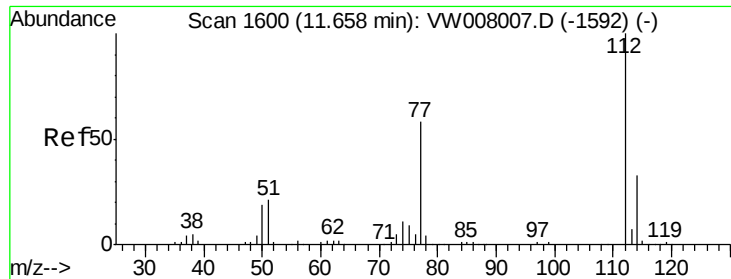
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.867 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VW0103SBS01

Tot Ion:112 Resp: 44110

Ion Ratio Lower Upper

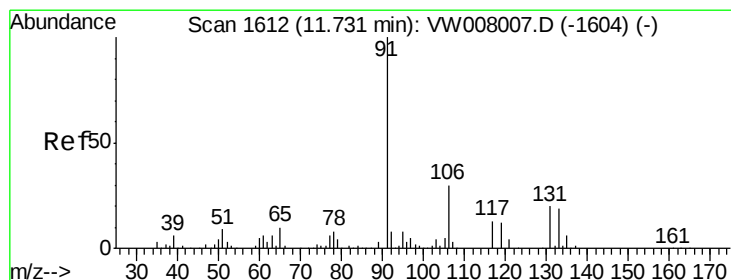
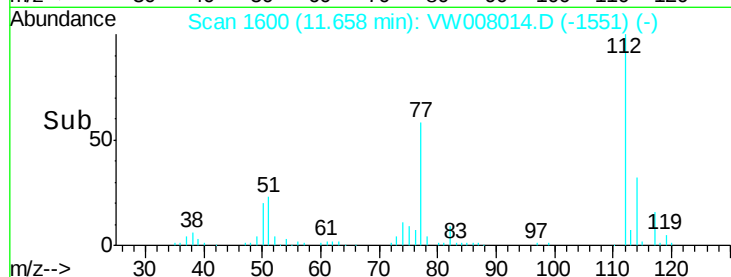
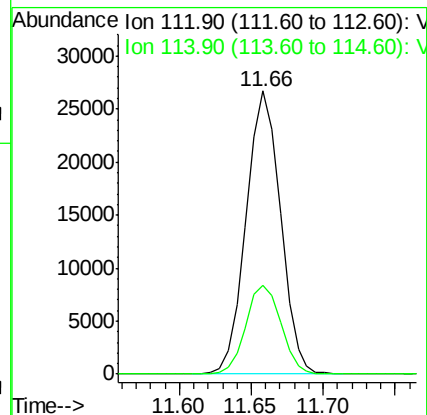
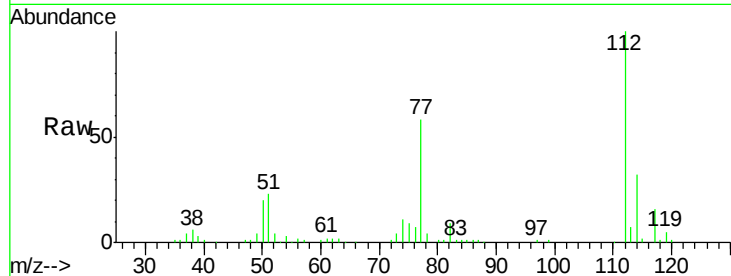
112 100

114 31.5 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

1/4/2019 12:02:09 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.650 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

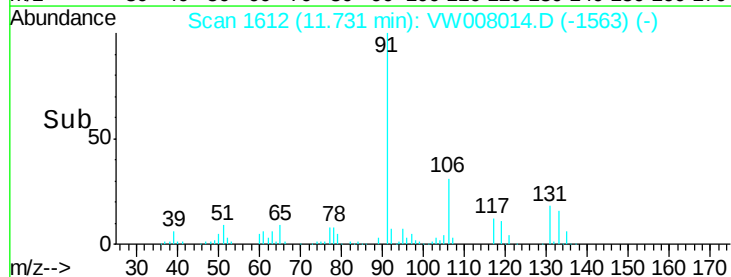
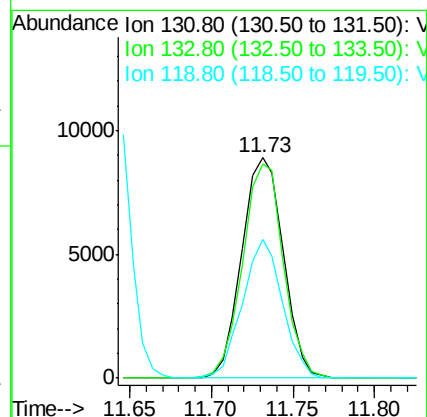
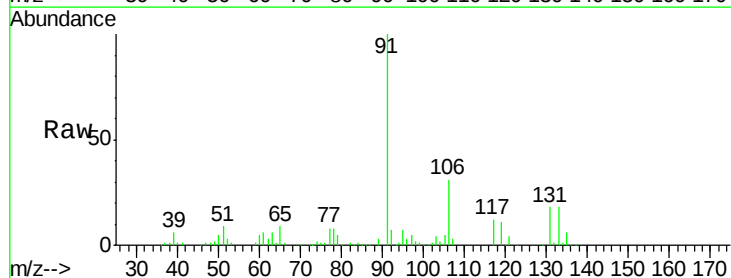
Tgt Ion:131 Resp: 15799

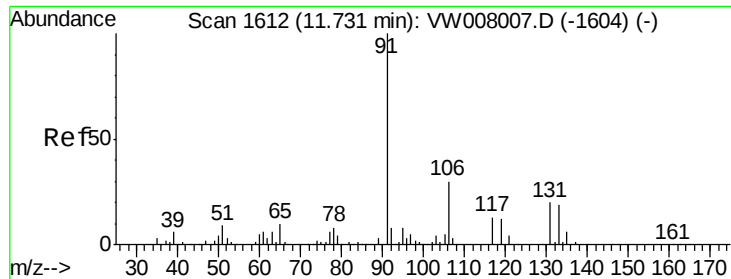
Ion Ratio Lower Upper

131 100

133 95.5 49.1 147.3

119 60.5 30.6 91.6





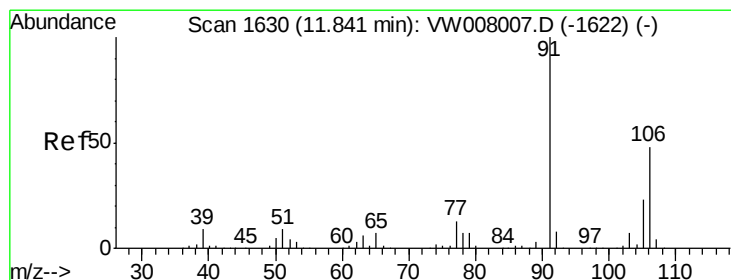
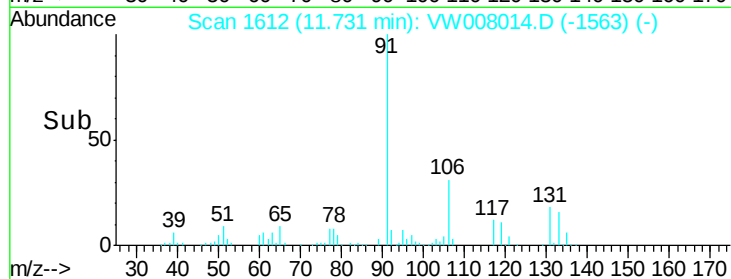
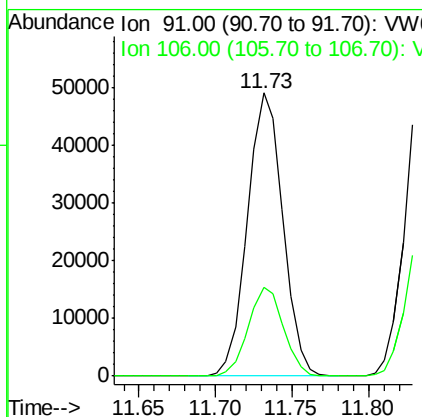
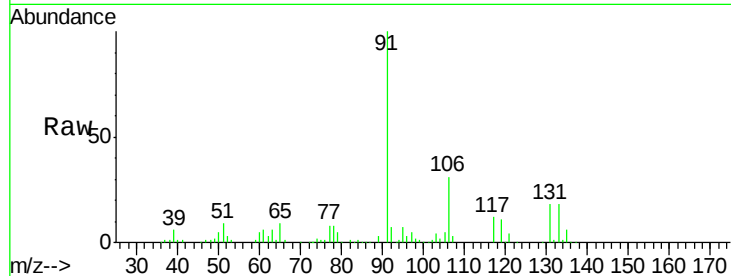
#67
Ethyl Benzene
Concen: 20.017 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampled :
VW0103SBS01

Tot Ion: 91 Resp: 78884
Ion Ratio Lower Upper
91 100
106 31.3 24.3 36.5

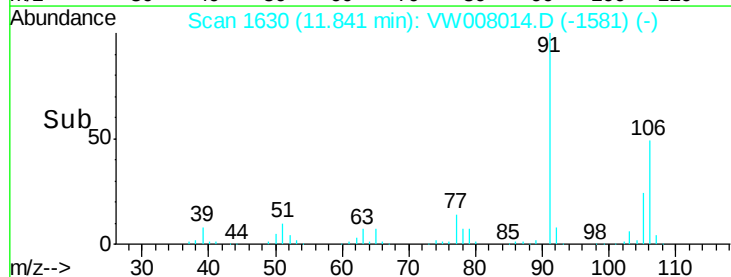
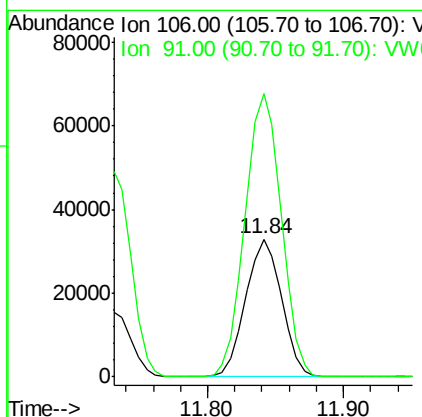
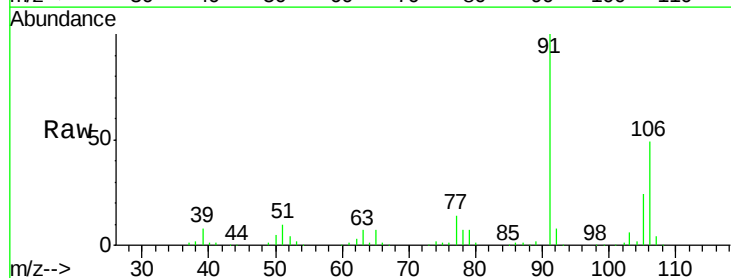
Manual Integrations
APPROVED

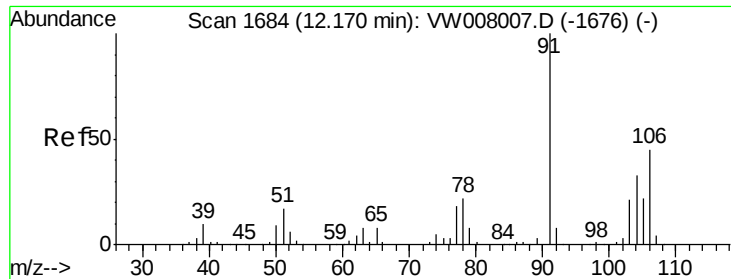
MMDadoda
1/4/2019 12:02:09 PM



#68
m/p-Xylenes
Concen: 40.074 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion: 106 Resp: 61055
Ion Ratio Lower Upper
106 100
91 208.0 165.8 248.8





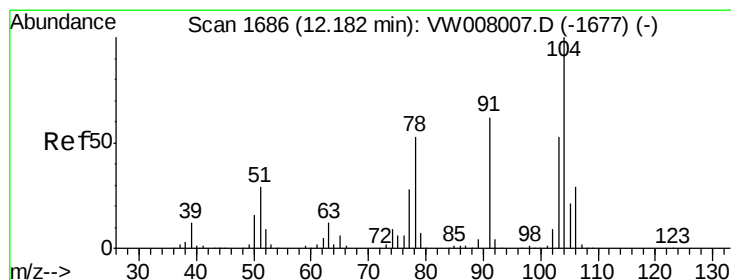
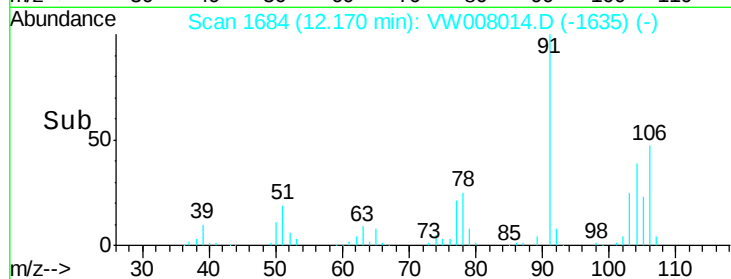
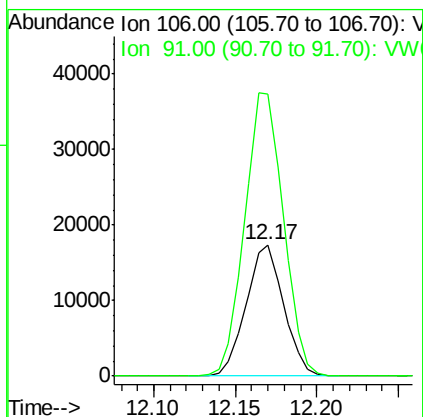
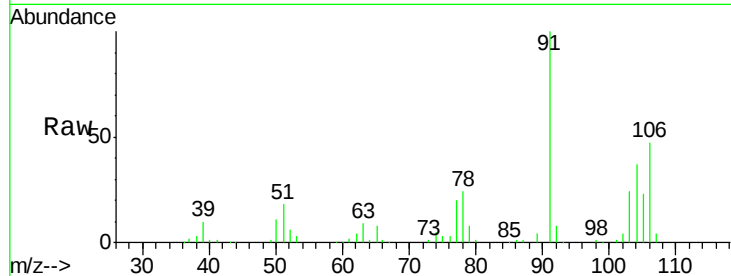
#69
o-Xylene
Concen: 19.712 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampled :
VW0103SBS01

Tot Ion:106 Resp: 27945
Ion Ratio Lower Upper
106 100
91 222.4 110.6 331.6

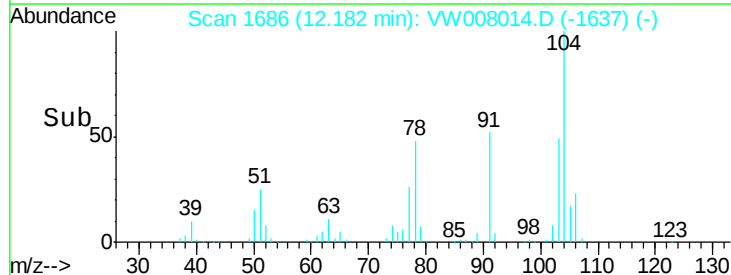
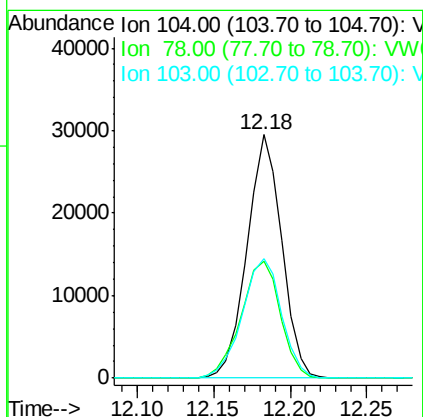
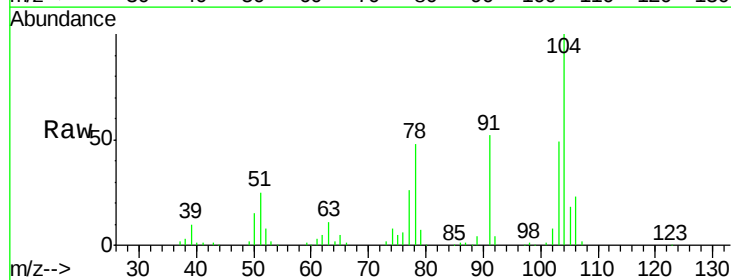
Manual Integrations
APPROVED

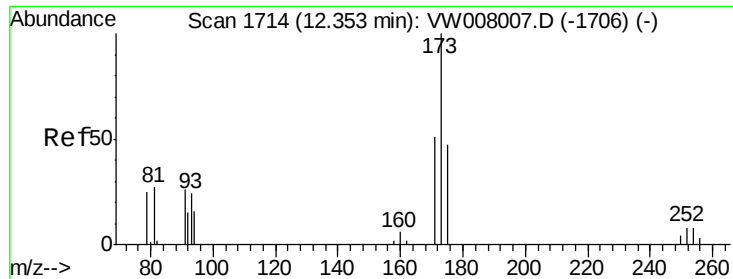
MMDadoda
1/4/2019 12:02:09 PM



#70
Styrene
Concen: 20.158 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion:104 Resp: 46579
Ion Ratio Lower Upper
104 100
78 54.5 44.0 66.0
103 55.5 44.6 66.8





#71

Bromoform

Concen: 20.467 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

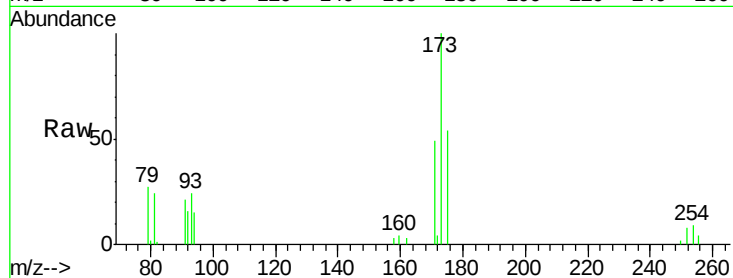
ClientSampleId :

VW0103SBS01

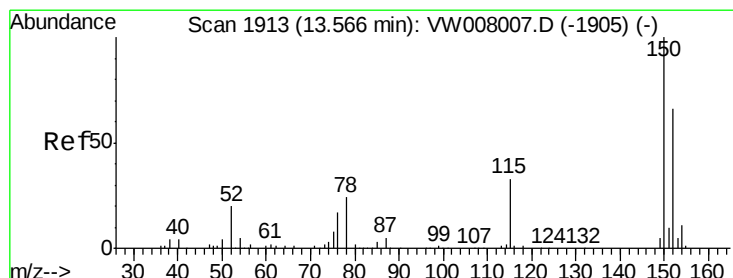
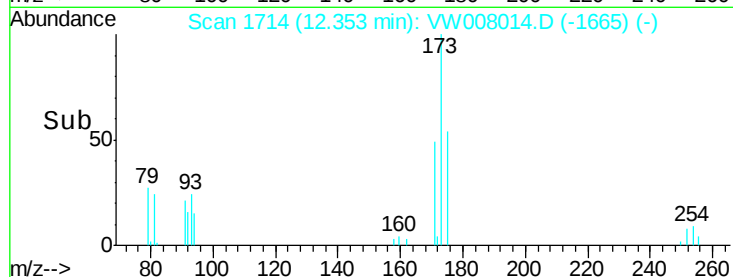
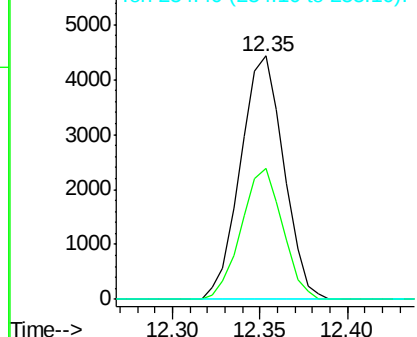
Tot Ion:	173	Resp:	7624
Ion	Ratio	Lower	Upper
173	100		
175	51.1	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

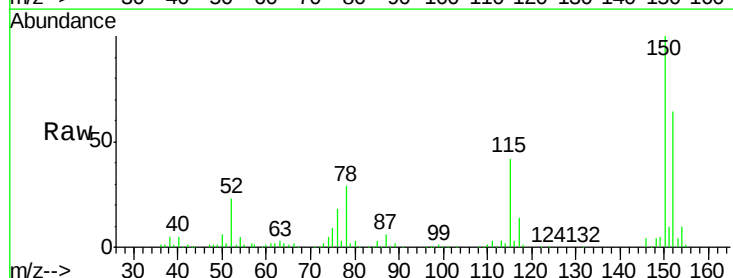
RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

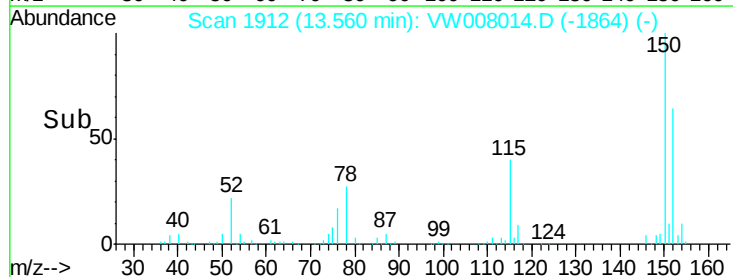
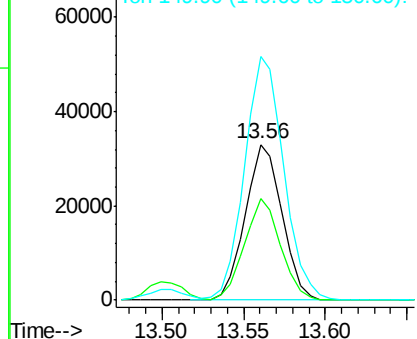
Lab File: VW008014.D

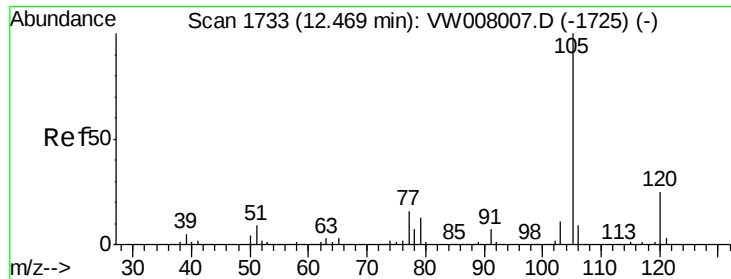
Acq: 03 Jan 2019 12:17

Tgt Ion:	152	Resp:	51761
Ion	Ratio	Lower	Upper
152	100		
115	64.0	32.1	96.5
150	166.8	0.0	345.0



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





#73

Isopropylbenzene

Concen: 19.846 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

VW0103SBS01

Tot Ion: 105 Resp: 81683

Ion Ratio Lower Upper

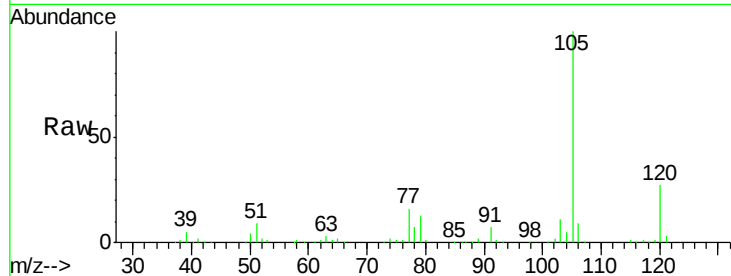
105 100

120 26.8 12.8 38.3

Manual Integrations
APPROVED

MMDadoda

1/4/2019 12:02:09 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

60000

50000

40000

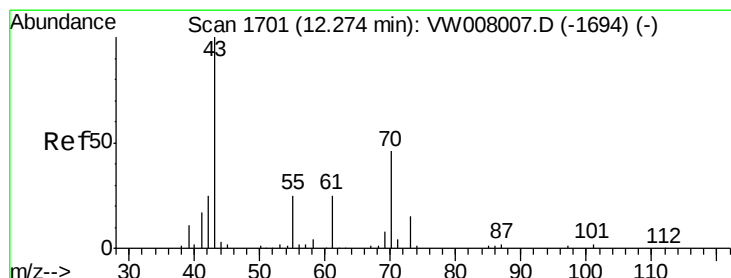
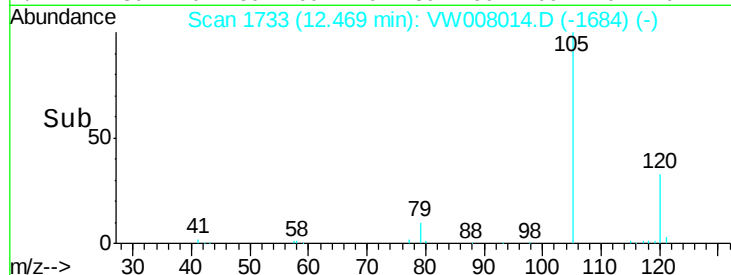
30000

20000

10000

0

Time-->



#74

N-ethyl acetate

Concen: 21.102 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tgt Ion: 43 Resp: 13520

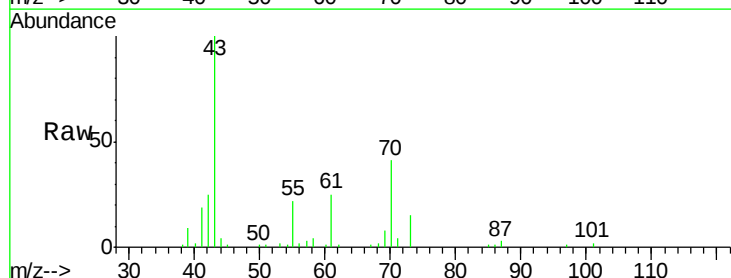
Ion Ratio Lower Upper

43 100

70 42.4 35.2 52.8

55 25.4 21.4 32.0

61 23.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

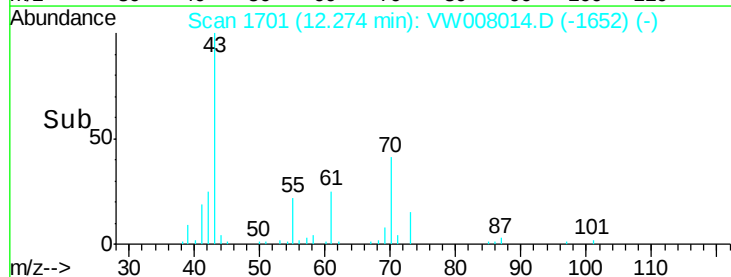
12.27

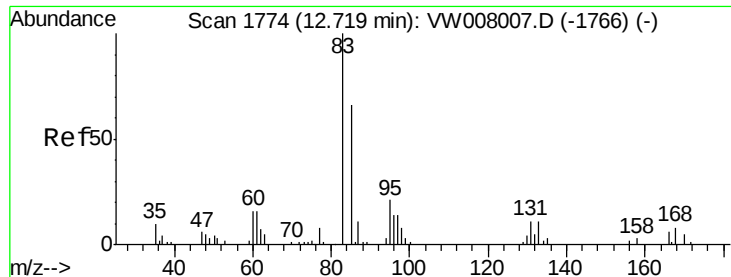
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.134 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

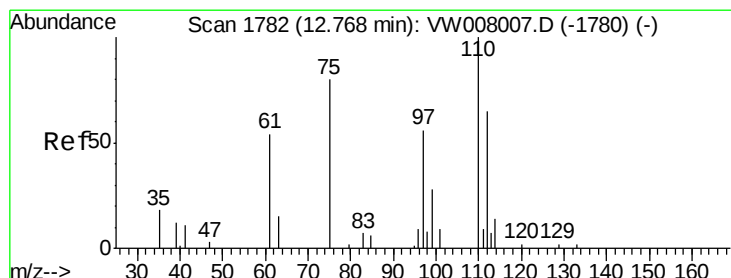
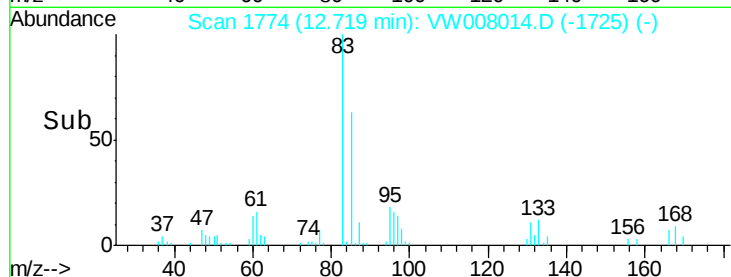
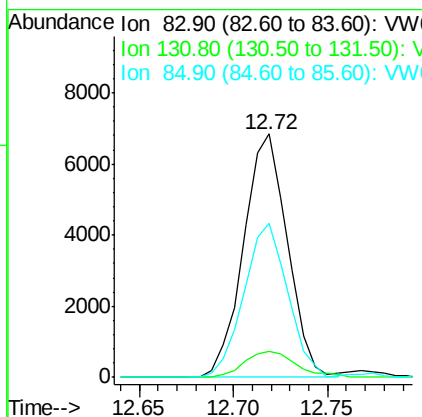
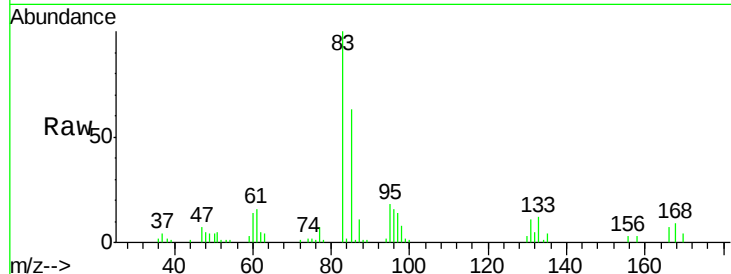
ClientSampled :

VW0103SBS01

Tot Ion:	83	Resp:	11068
Ion Ratio	Lower	Upper	
83	100		
131	12.6	6.5	19.5
85	63.3	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



#76

1,2,3-Trichloropropane

Concen: 21.574 ug/l m

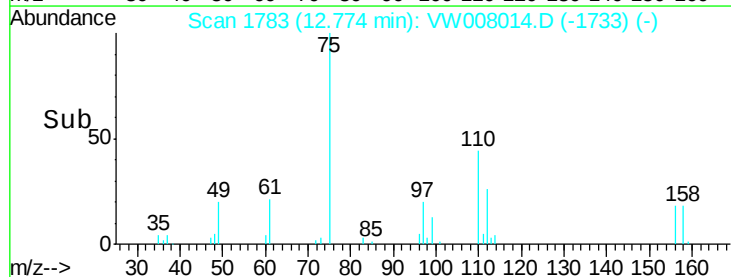
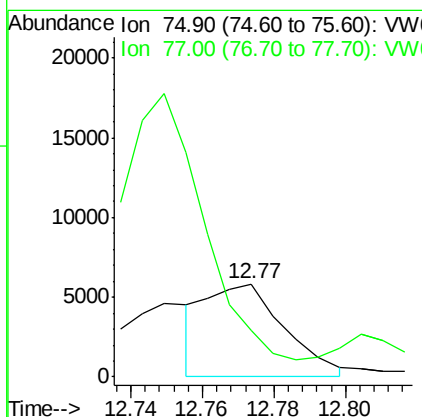
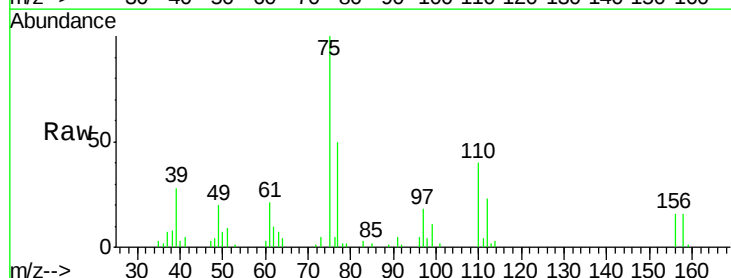
RT: 12.77 min Scan# 1783

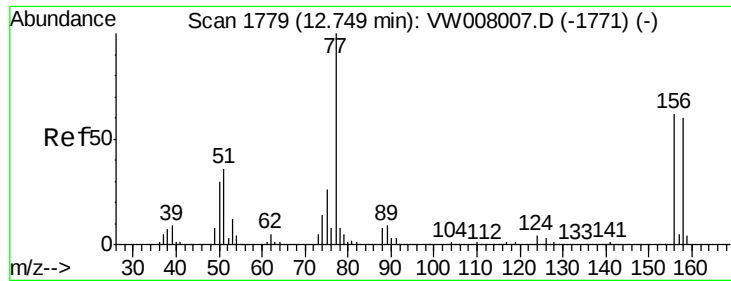
Delta R.T. 0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tgt Ion:	75	Resp:	8884
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.2	558.6#





#77

Bromobenzene

Concen: 19.683 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Instrument :

MSVOA_W

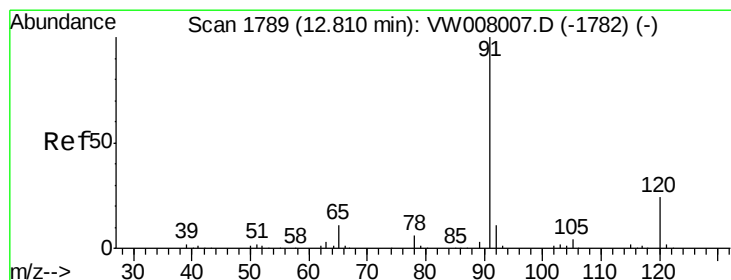
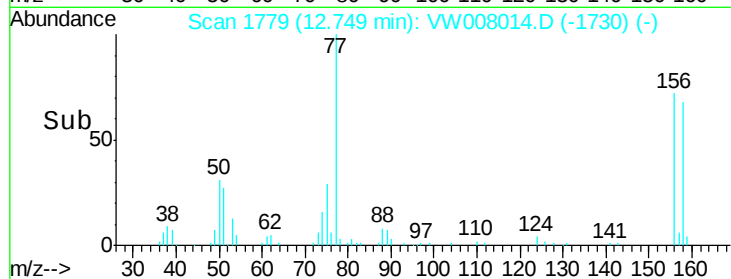
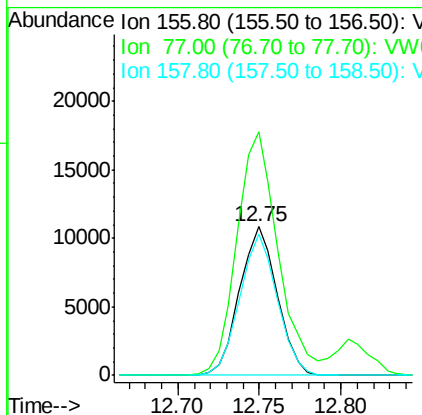
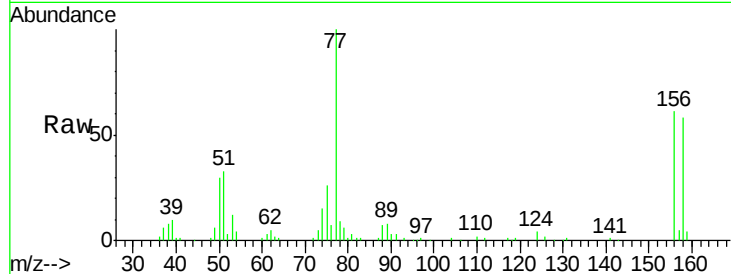
ClientSampleId :

VW0103SBS01

Tot Ion	156	Resp	17413
Ion Ratio	100	Lower	Upper
77	179.3	87.9	263.8
158	94.8	47.8	143.4

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



#78

n-propylbenzene

Concen: 19.971 ug/l

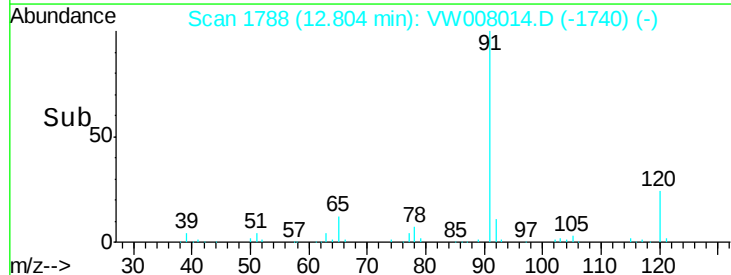
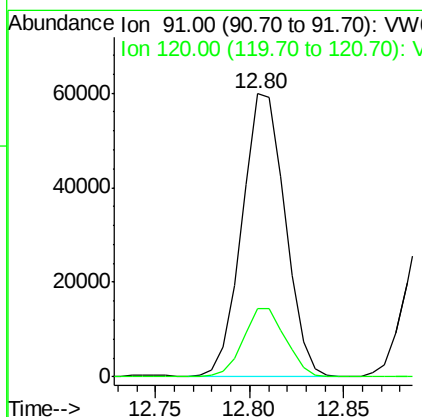
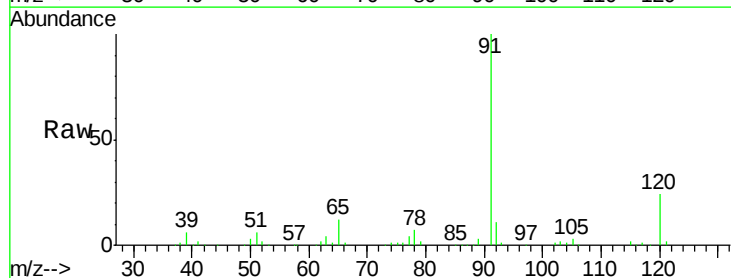
RT: 12.80 min Scan# 1788

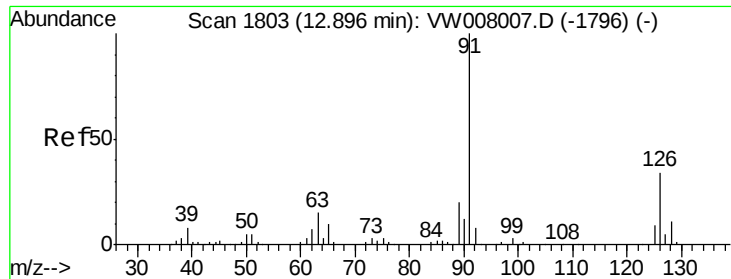
Delta R.T. -0.01 min

Lab File: VW008014.D

Acq: 03 Jan 2019 12:17

Tgt Ion	91	Resp	95303
Ion Ratio	100	Lower	Upper
120	23.7	11.5	34.5





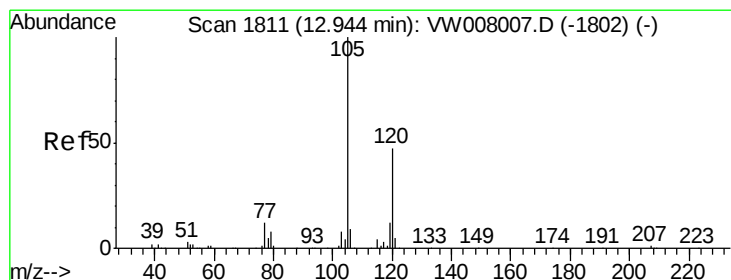
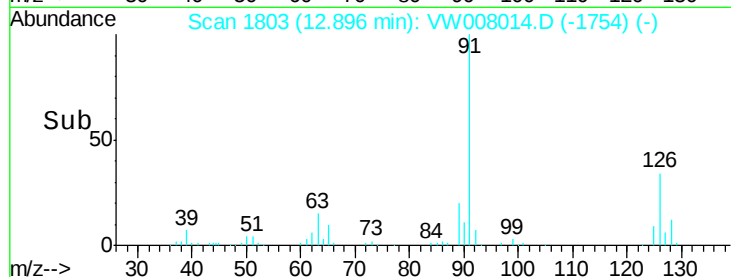
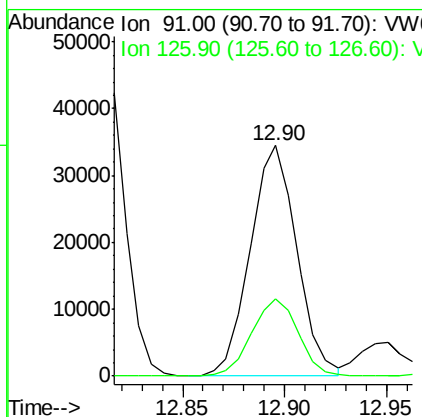
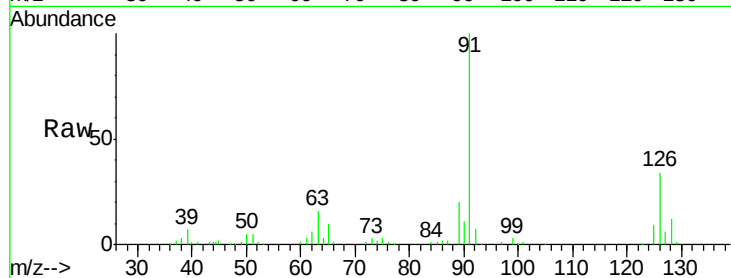
#79
 2-Chlorotoluene
 Concen: 19.909 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion: 91 Resp: 54910
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.1 51.2

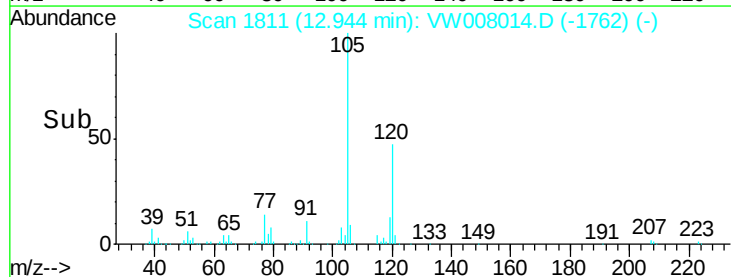
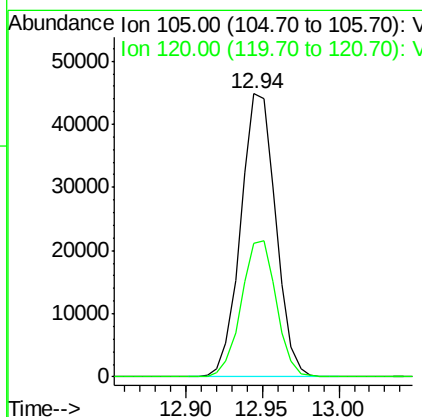
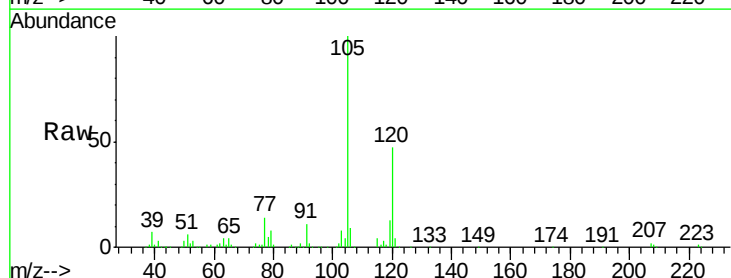
Manual Integrations
 APPROVED

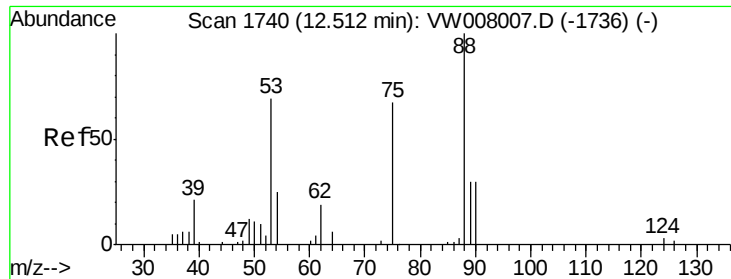
MMDadoda
 1/4/2019 12:02:09 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.061 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion: 105 Resp: 71075
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.3 69.9





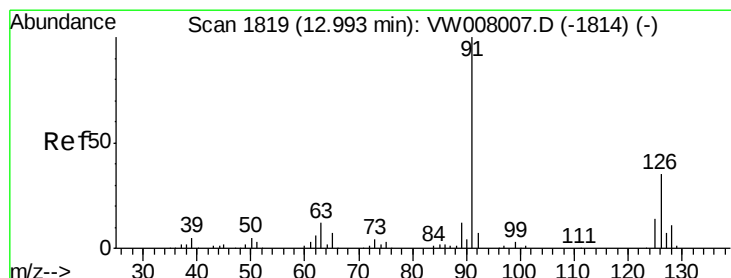
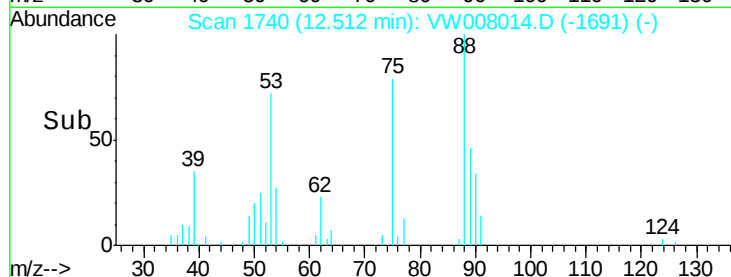
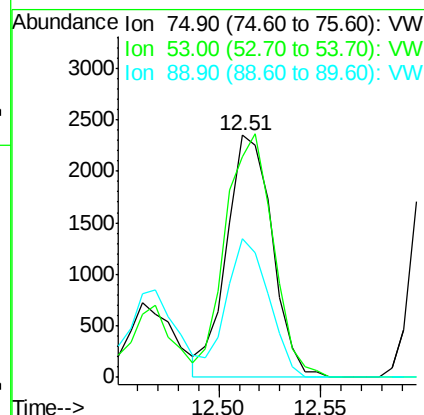
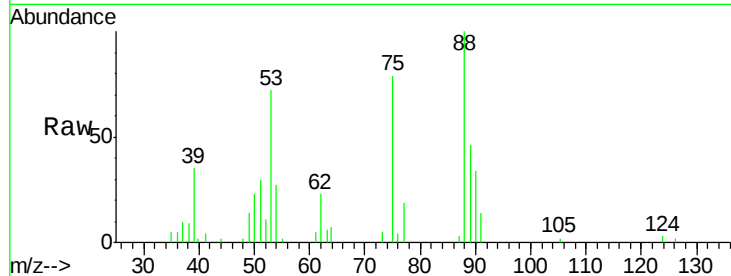
#81
trans-1,4-Dichloro-2-butene
Concen: 20.893 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.3	87.6	131.4
89	52.2	42.2	63.2

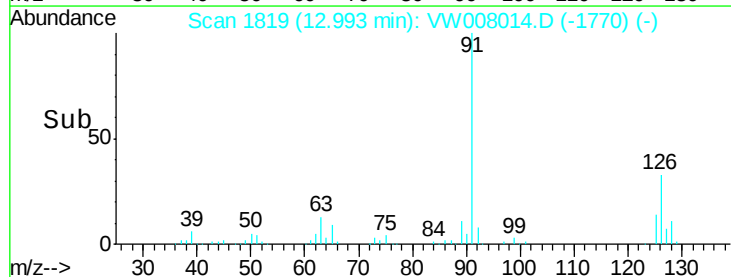
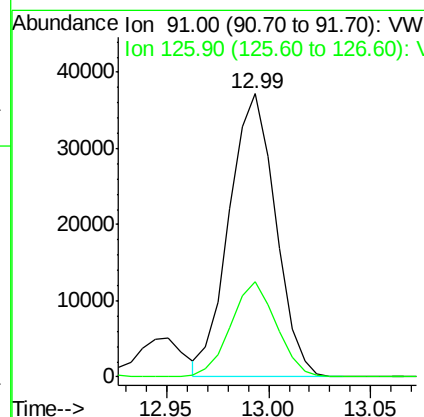
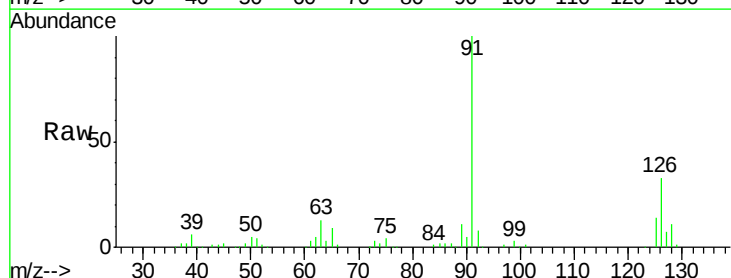
Manual Integrations
APPROVED

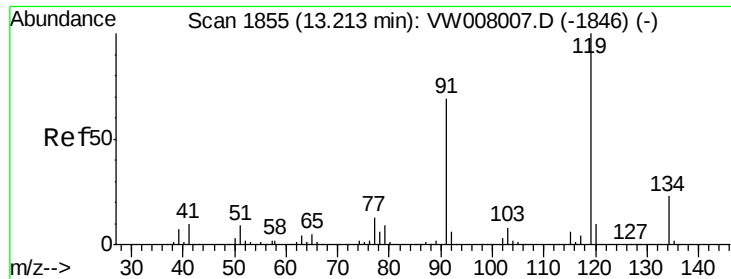
MMDadoda
1/4/2019 12:02:09 PM



#82
4-Chlorotoluene
Concen: 20.053 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.7	50.1





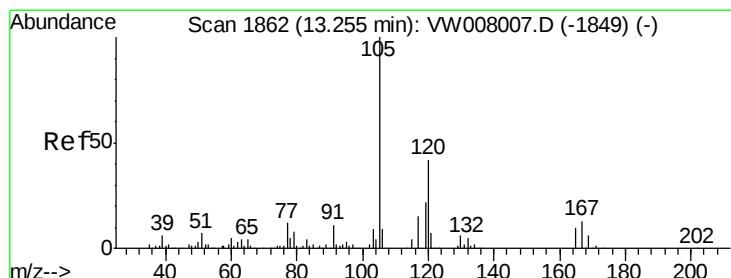
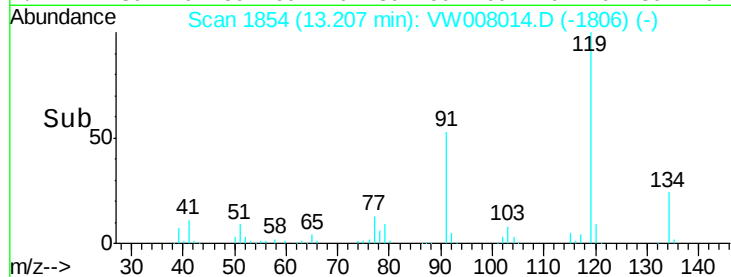
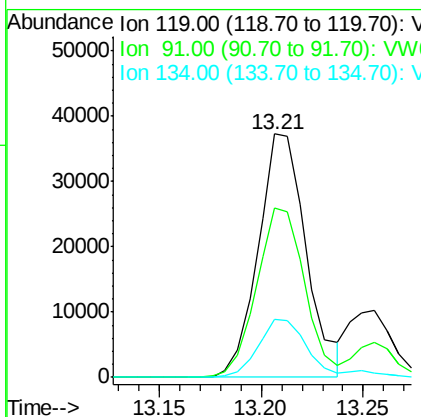
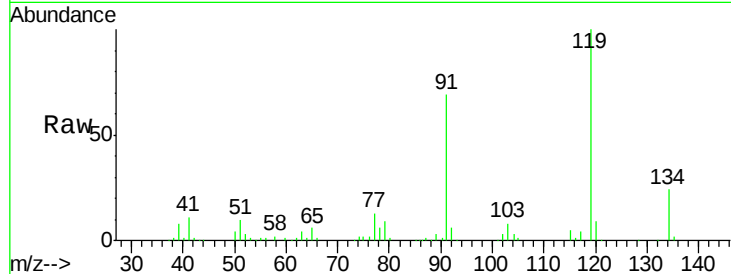
#83
tert-Butylbenzene
Concen: 19.704 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	34.7	104.1
134	24.1	11.5	34.4

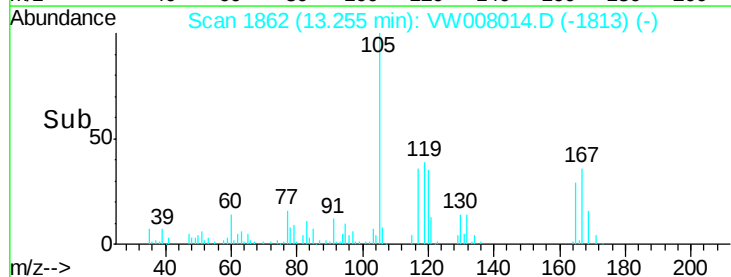
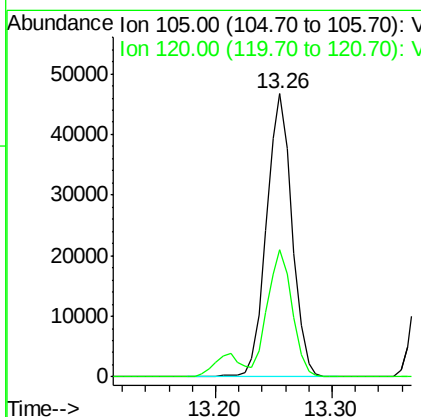
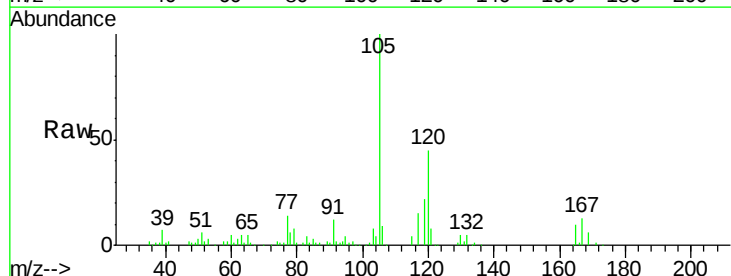
Manual Integrations
APPROVED

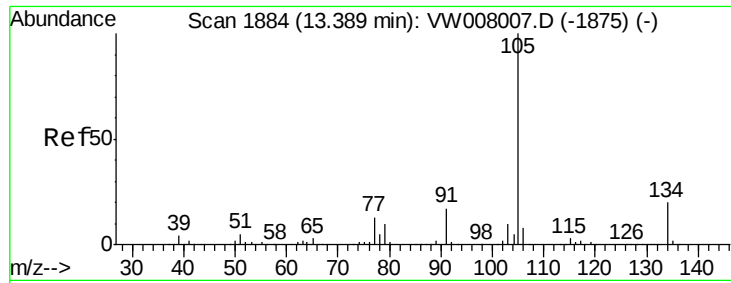
MMDadoda
1/4/2019 12:02:09 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.881 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.5	64.5





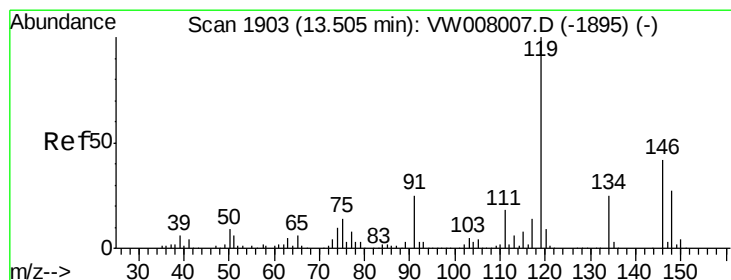
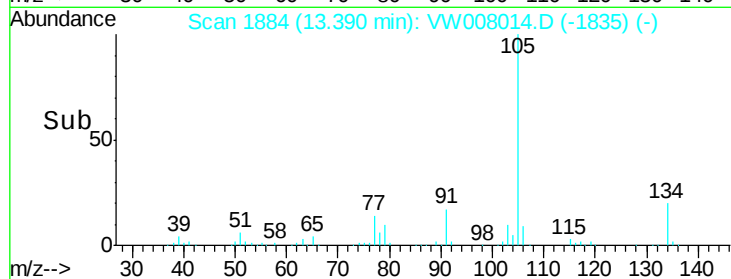
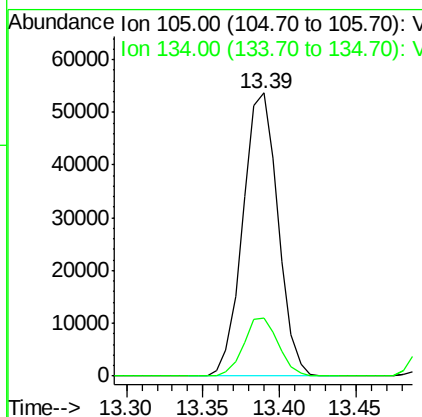
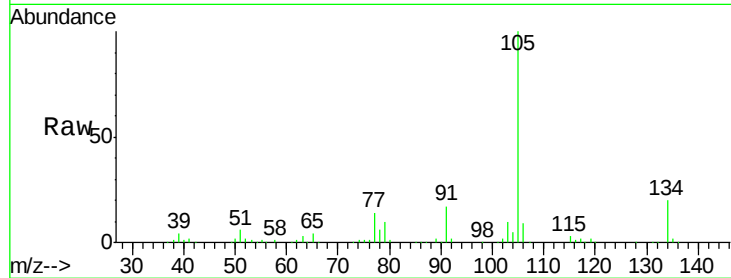
#85
 sec-Butylbenzene
 Concen: 20.063 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion:105 Resp: 85549
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.7 28.9

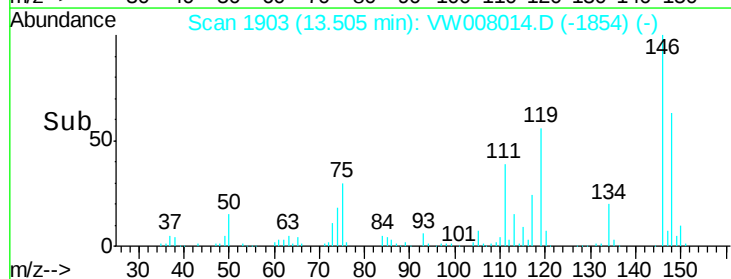
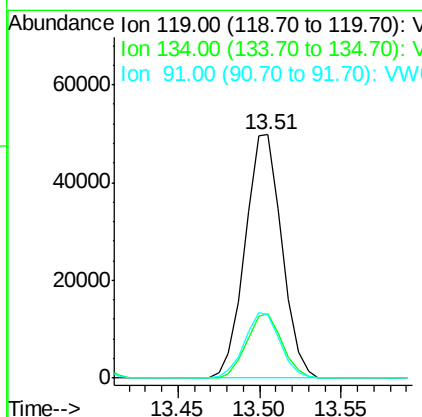
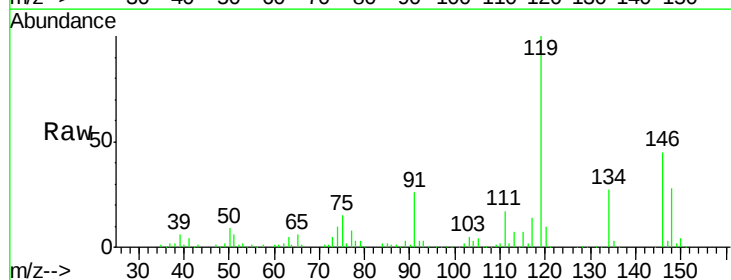
Manual Integrations
 APPROVED

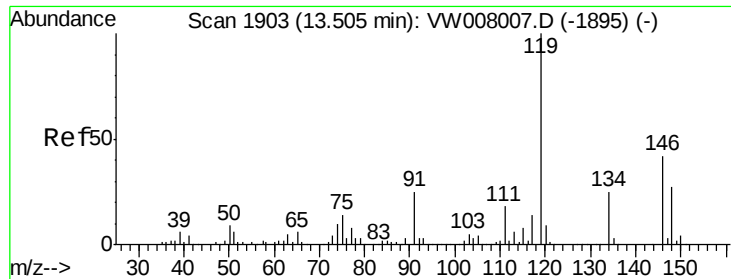
MMDadoda
 1/4/2019 12:02:09 PM



#86
 p-Isopropyltoluene
 Concen: 20.200 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion:119 Resp: 77692
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.5 37.5
 91 26.3 13.1 39.3





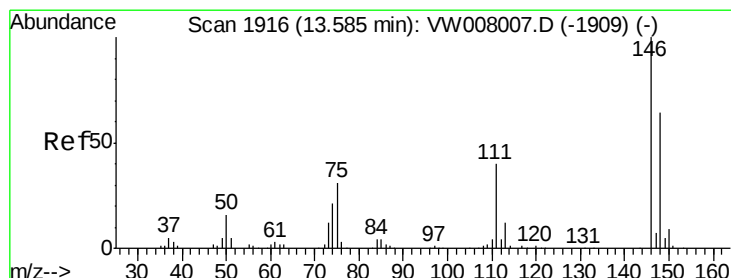
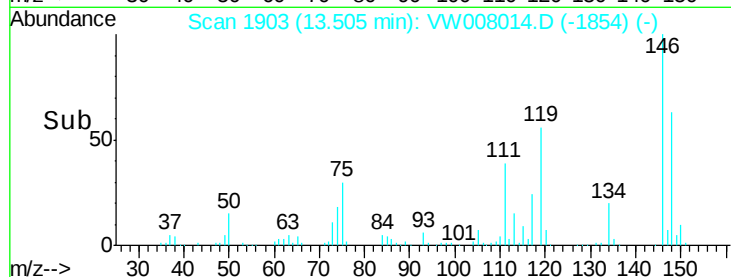
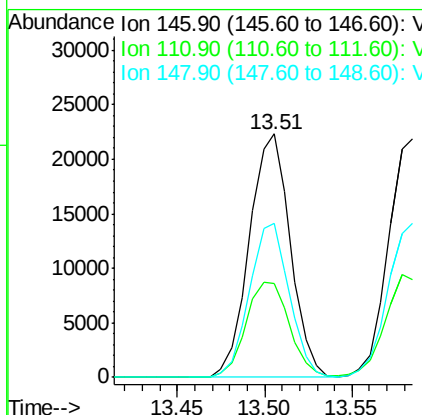
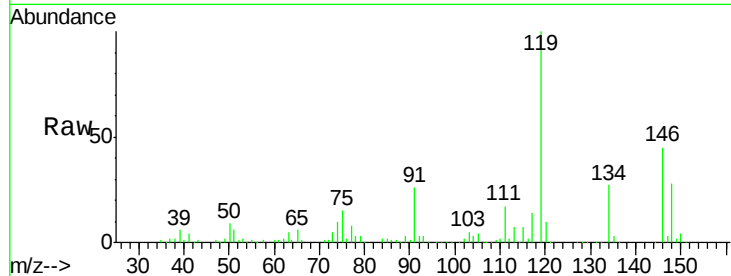
#87
 1,3-Dichlorobenzene
 Concen: 20.471 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.4	64.2
148	61.7	31.9	95.5

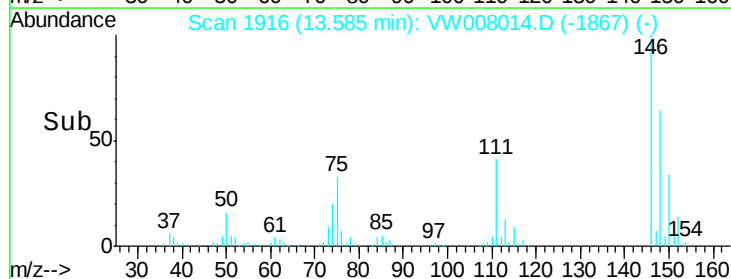
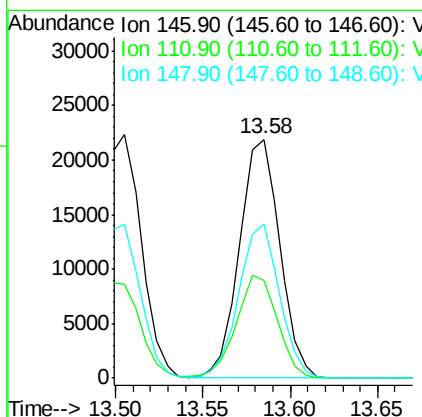
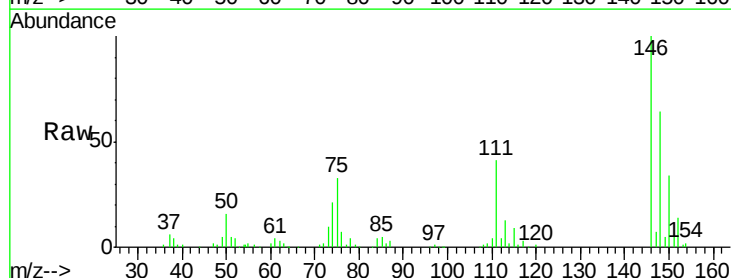
Manual Integrations
 APPROVED

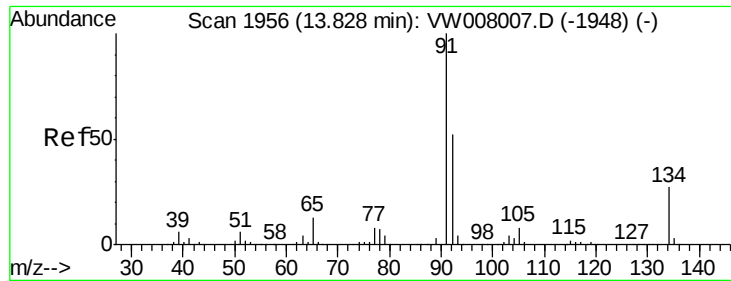
MMDadoda
 1/4/2019 12:02:09 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.9	62.8
148	64.8	31.9	95.9





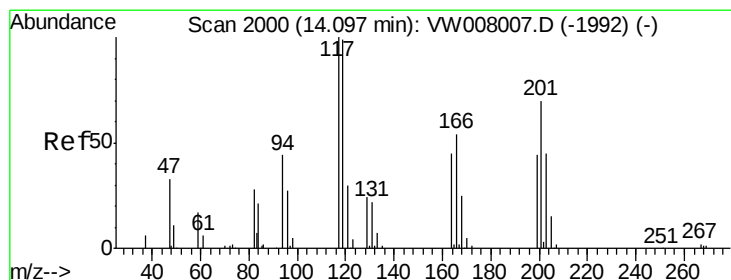
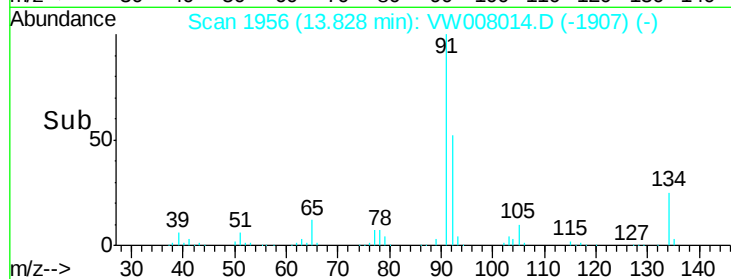
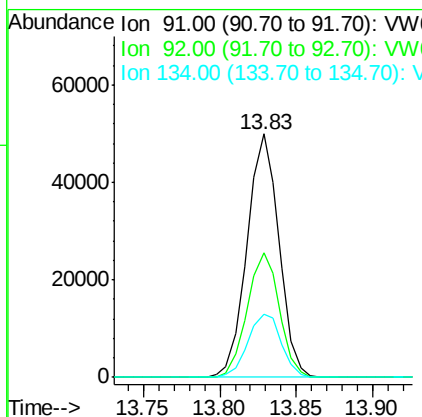
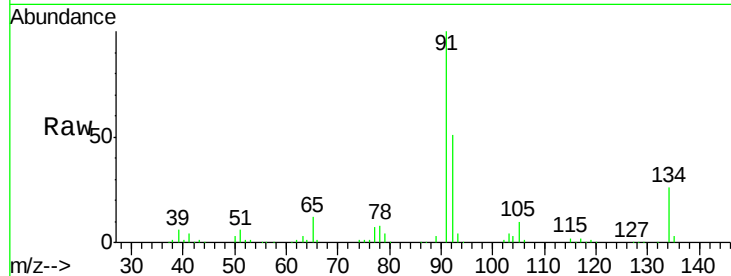
#89
n-Butylbenzene
Concen: 20.568 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.4	79.2
134	27.3	13.4	40.2

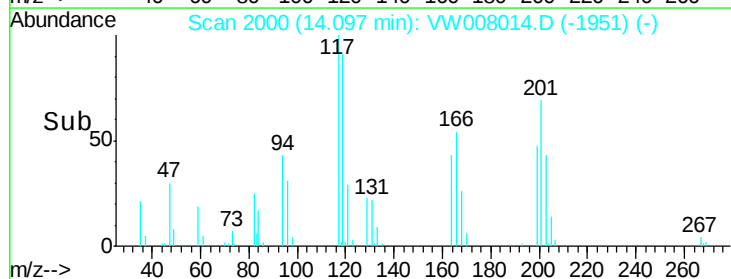
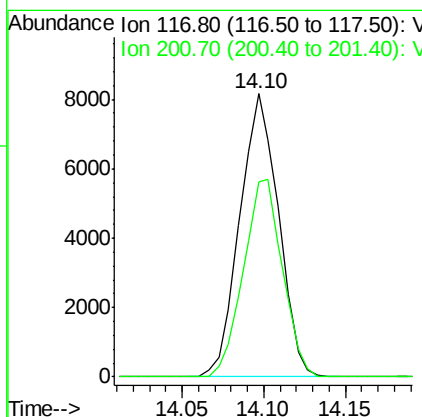
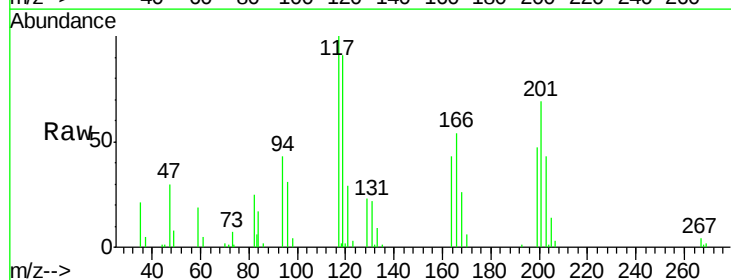
Manual Integrations
APPROVED

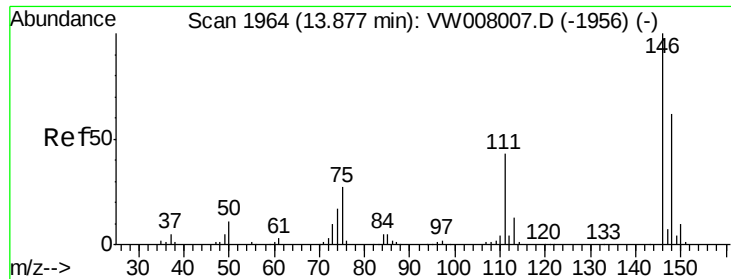
MMDadoda
1/4/2019 12:02:09 PM



#90
Hexachloroethane
Concen: 20.179 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	37.1	111.5





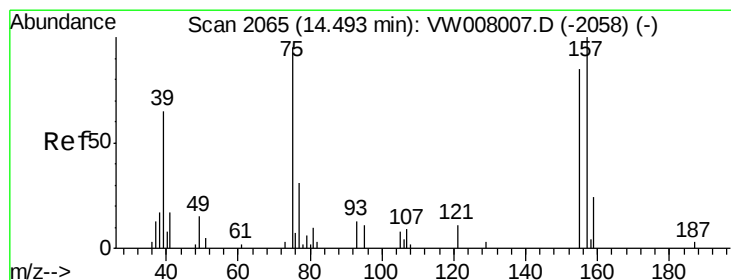
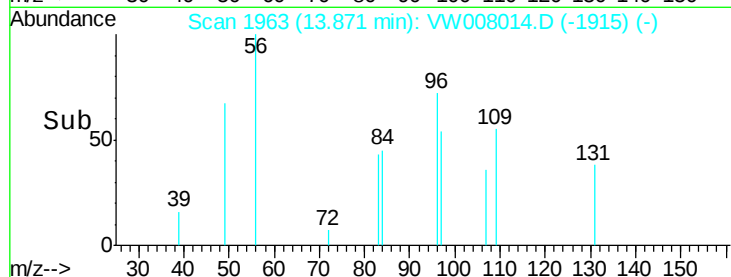
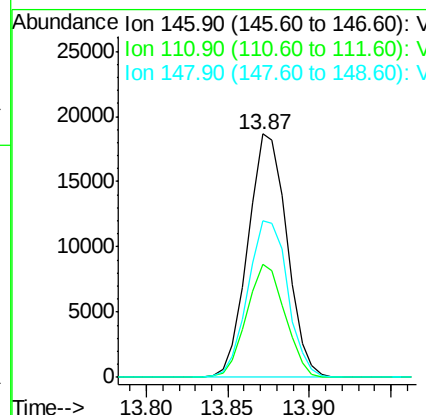
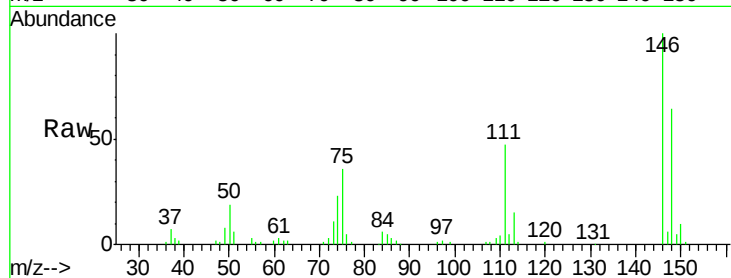
#91
 1,2-Dichlorobenzene
 Concen: 19.852 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampled :
 VW0103SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.6	67.7
148	65.5	32.1	96.3

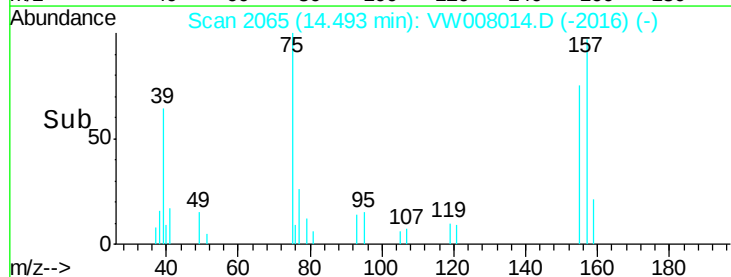
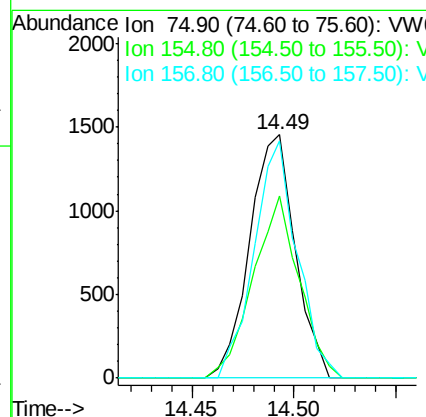
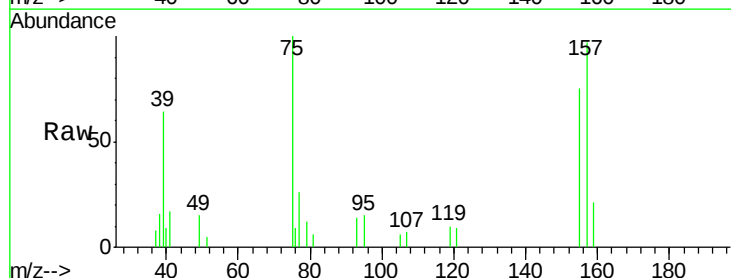
Manual Integrations
 APPROVED

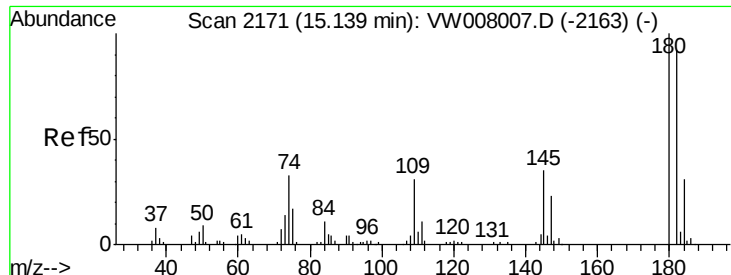
MMDadoda
 1/4/2019 12:02:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.225 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	42.4	127.1
157	92.1	52.3	156.8





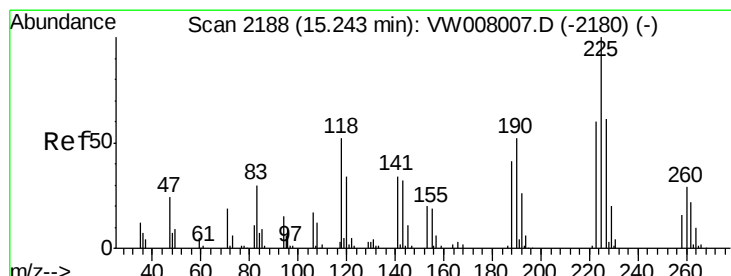
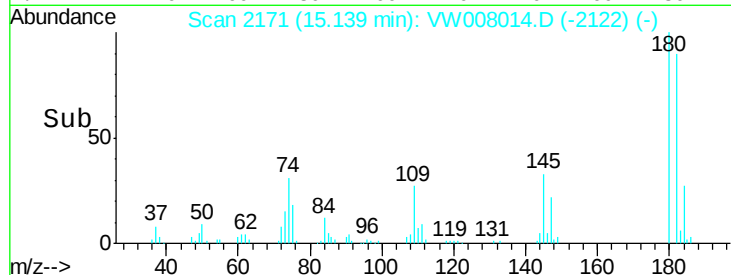
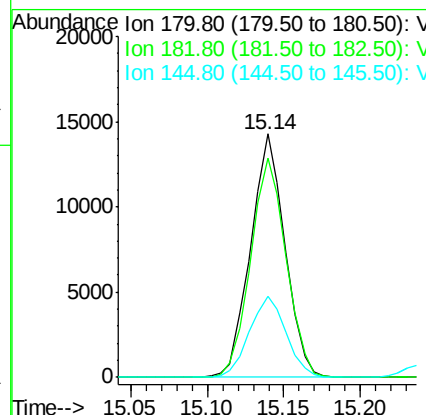
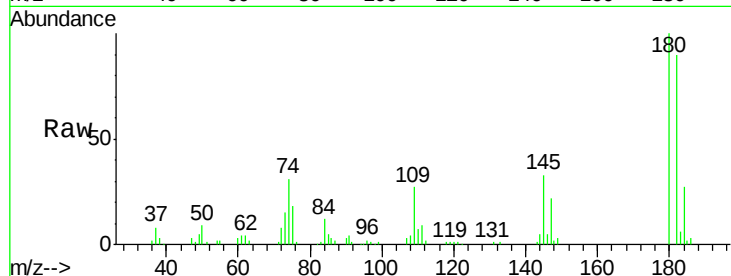
#93
 1,2,4-Trichlorobenzene
 Concen: 20.237 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0103SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	22295		
182	92.8	46.6	139.8	
145	35.5	17.2	51.6	

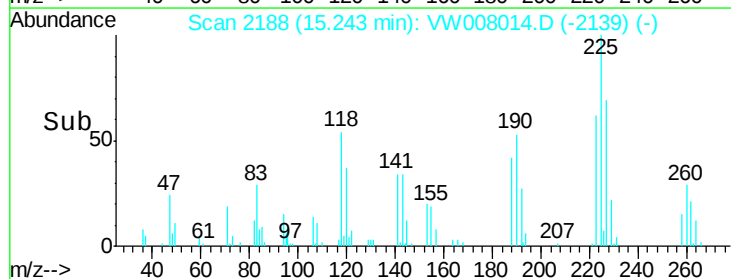
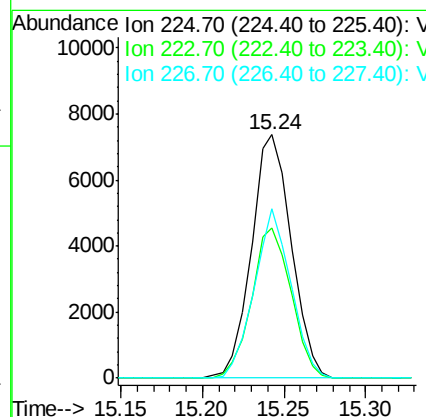
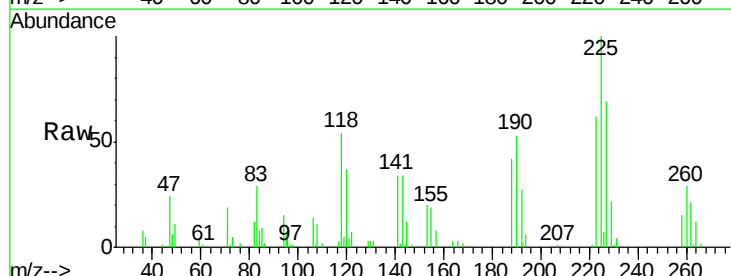
Manual Integrations
 APPROVED

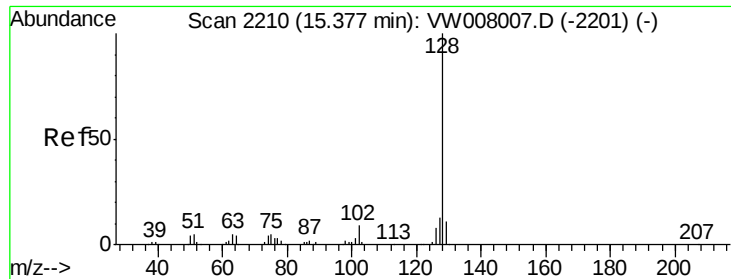
MMDadoda
 1/4/2019 12:02:09 PM



#94
 Hexachlorobutadiene
 Concen: 19.651 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008014.D
 Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12500		
223	61.0	30.6	92.0	
227	64.0	31.3	93.8	





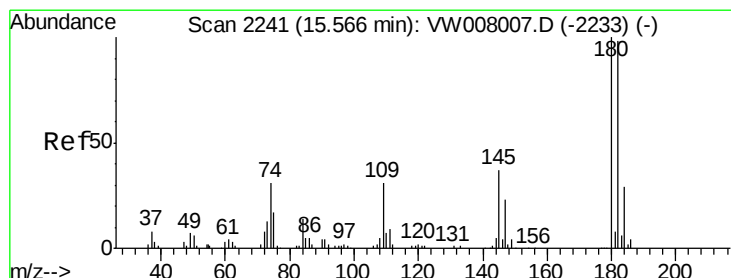
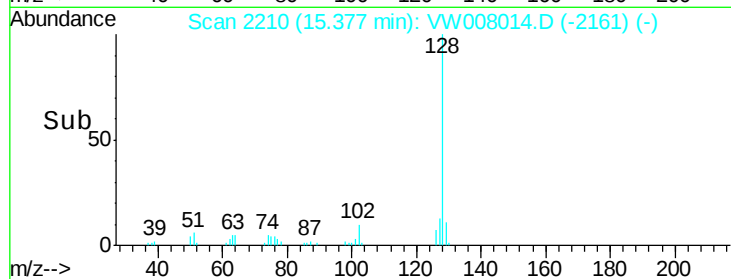
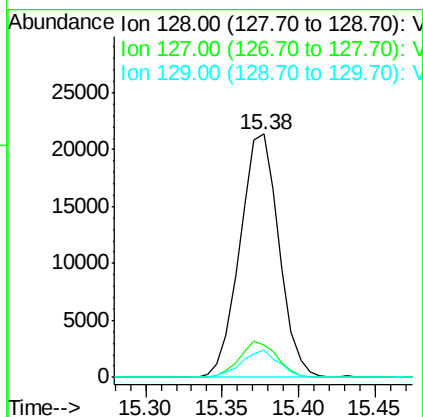
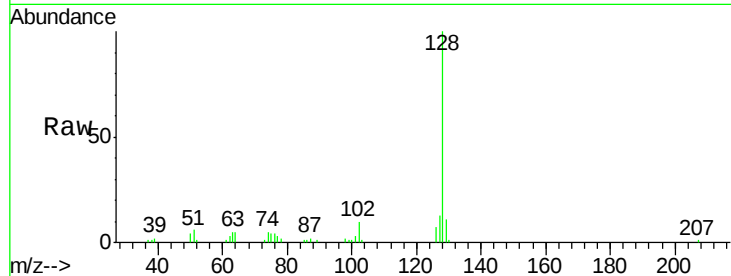
#95
Naphthalene
Concen: 20.156 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VW0103SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.219 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008014.D
Acq: 03 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.9	143.8
145	37.8	18.7	56.1

