

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061019\
 Data File : VW010738.D
 Acq On : 10 Jun 2019 12:01
 Operator : SY/VA
 Sample : VW0610SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 1:02:20 PM

Quant Time: Jun 11 05:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	409729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	154622	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.88	113	122621	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
50) Toluene-d8	10.32	98	522989	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
62) 4-Bromofluorobenzene	12.62	95	192238	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48037	20.553	ug/l	100
3) Chloromethane	2.21	50	70976	20.641	ug/l	98
4) Vinyl Chloride	2.35	62	63335	19.935	ug/l	98
5) Bromomethane	2.75	94	35318	20.244	ug/l	95
6) Chloroethane	2.90	64	37136	19.474	ug/l	97
7) Trichlorofluoromethane	3.25	101	85147	20.646	ug/l	100
8) Diethyl Ether	3.68	74	27265	18.500	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	52137	20.563	ug/l	100
10) Methyl Iodide	4.26	142	41187	19.054	ug/l	98
11) Tert butyl alcohol	5.16	59	27448	113.020	ug/l	96
12) 1,1-Dichloroethene	4.03	96	49197	20.114	ug/l	98
13) Acrolein	3.89	56	6839	68.914	ug/l	99
14) Allyl chloride	4.67	41	113146	20.980	ug/l	99
15) Acrylonitrile	5.36	53	63817	89.130	ug/l	99
16) Acetone	4.12	43	72271	90.478	ug/l	100
17) Carbon Disulfide	4.37	76	157205	20.247	ug/l	100
18) Methyl Acetate	4.67	43	31763	18.473	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	130612	18.515	ug/l	99
20) Methylene Chloride	4.91	84	57283	20.442	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	56472	20.339	ug/l	95
22) Diisopropyl ether	6.31	45	218663	20.252	ug/l	94
23) Vinyl Acetate	6.25	43	609430	93.530	ug/l	99
24) 1,1-Dichloroethane	6.21	63	113287	20.937	ug/l	98
25) 2-Butanone	7.17	43	95841	86.530	ug/l	97
26) 2,2-Dichloropropane	7.17	77	100137	22.743	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	61529	20.136	ug/l	96
28) Bromochloromethane	7.51	49	48065	19.905	ug/l	98
29) Tetrahydrofuran	7.53	42	58495	83.963	ug/l	100
30) Chloroform	7.67	83	99808	20.167	ug/l	100
31) Cyclohexane	7.95	56	120490	20.032	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	91177	21.090	ug/l	100
36) 1,1-Dichloropropene	8.08	75	87899	20.958	ug/l	100
37) Ethyl Acetate	7.25	43	41655	17.923	ug/l	99
38) Carbon Tetrachloride	8.07	117	76359	21.091	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061019\
 Data File : VW010738.D
 Acq On : 10 Jun 2019 12:01
 Operator : SY/VA
 Sample : VW0610SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 1:02:20 PM

Quant Time: Jun 11 05:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	108503	20.351	ug/l	99
40) Benzene	8.32	78	234284	20.477	ug/l	98
41) Methacrylonitrile	7.48	41	24475	17.717	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72425	19.944	ug/l	98
43) Isopropyl Acetate	8.42	43	79698	17.750	ug/l	99
44) Trichloroethene	9.09	130	58086	20.581	ug/l	97
45) 1,2-Dichloropropane	9.37	63	62214	20.541	ug/l	98
46) Dibromomethane	9.46	93	26474	18.819	ug/l	98
47) Bromodichloromethane	9.65	83	73685	20.206	ug/l	95
48) Methyl methacrylate	9.43	41	38185	17.639	ug/l	100
49) 1,4-Dioxane	9.45	88	8303	377.508	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	200405	87.368	ug/l	99
52) Toluene	10.39	92	144159	20.478	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	76715	19.862	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	92529	20.358	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38462	18.979	ug/l	98
56) Ethyl methacrylate	10.65	69	56660	18.170	ug/l	97
57) 1,3-Dichloropropane	10.93	76	72608	19.011	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	157652	96.521	ug/l	99
59) 2-Hexanone	10.97	43	141747	85.504	ug/l	99
60) Dibromochloromethane	11.13	129	43494	19.360	ug/l	100
61) 1,2-Dibromoethane	11.23	107	35166	18.314	ug/l	99
64) Tetrachloroethene	10.86	164	47540	19.775	ug/l	97
65) Chlorobenzene	11.66	112	145410	20.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49946	20.264	ug/l	99
67) Ethyl Benzene	11.73	91	285050	20.831	ug/l	100
68) m/p-Xylenes	11.84	106	203350	41.513	ug/l	99
69) o-Xylene	12.16	106	95271	20.507	ug/l	97
70) Styrene	12.18	104	164687	20.406	ug/l	99
71) Bromoform	12.35	173	23777	18.653	ug/l #	98
73) Isopropylbenzene	12.46	105	269839	20.759	ug/l	99
74) N-amyl acetate	12.27	43	76426	18.192	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	43738	17.674	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31982m	17.606	ug/l	
77) Bromobenzene	12.75	156	56432	19.888	ug/l	98
78) n-propylbenzene	12.80	91	330122	21.062	ug/l	100
79) 2-Chlorotoluene	12.89	91	185333	20.696	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	224563	21.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14247	18.026	ug/l	97
82) 4-Chlorotoluene	12.99	91	193261	20.913	ug/l	99
83) tert-Butylbenzene	13.21	119	188853	20.914	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	224583	20.976	ug/l	99
85) sec-Butylbenzene	13.38	105	275101	20.925	ug/l	100
86) p-Isopropyltoluene	13.50	119	246143	20.936	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	112401	20.542	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110390	20.349	ug/l	99
89) n-Butylbenzene	13.83	91	249459	21.266	ug/l	100
90) Hexachloroethane	14.10	117	44754	21.256	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	98774	20.073	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7721	18.169	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061019\
Data File : VW010738.D
Acq On : 10 Jun 2019 12:01
Operator : SY/VA
Sample : VW0610SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

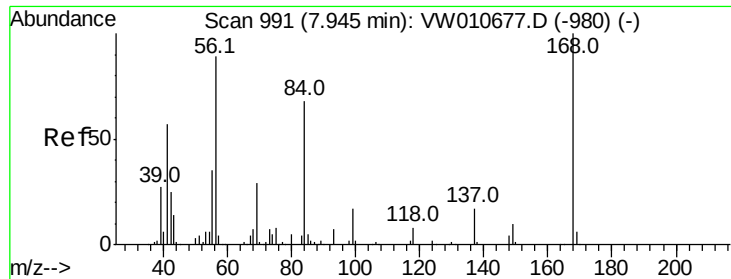
Manual Integrations
APPROVED

MMDadoda
6/11/2019 1:02:20 PM

Quant Time: Jun 11 05:45:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	69801	20.213	ug/l	100
94) Hexachlorobutadiene	15.24	225	45640	21.059	ug/l	99
95) Naphthalene	15.37	128	108226	17.250	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	57026	19.418	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VW0610SBS01

Tot Ion:168 Resp: 252916

Ion Ratio Lower Upper

168 100

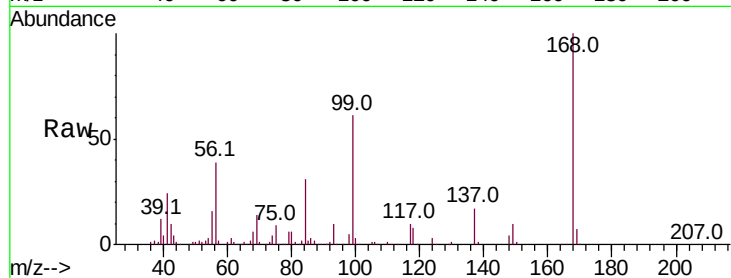
99 60.7 47.7 71.5

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

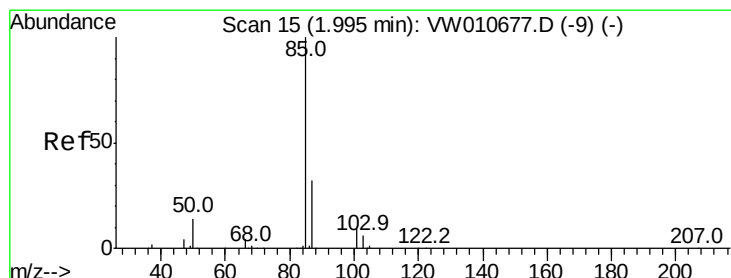
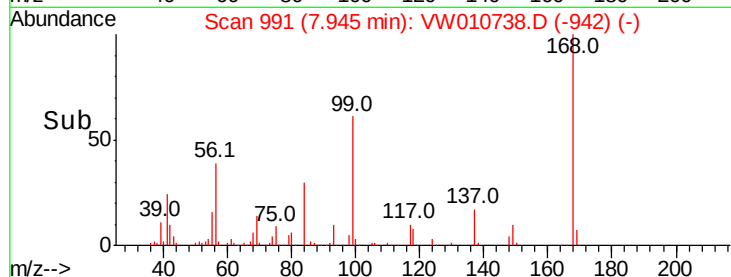
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.553 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010738.D

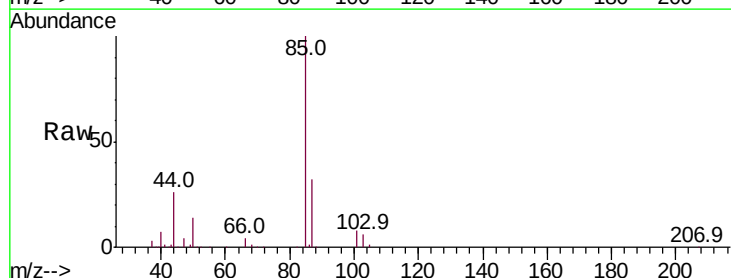
Acq: 10 Jun 2019 12:01

Tgt Ion: 85 Resp: 48037

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

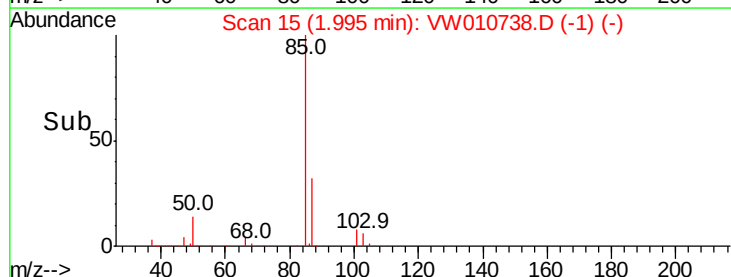
15000

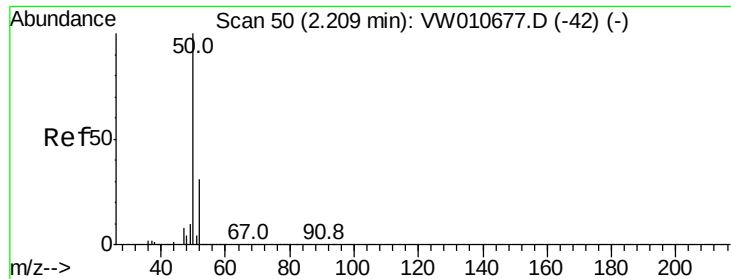
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.641 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VW0610SBS01

Tot Ion: 50 Resp: 70976

Ion Ratio Lower Upper

50 100

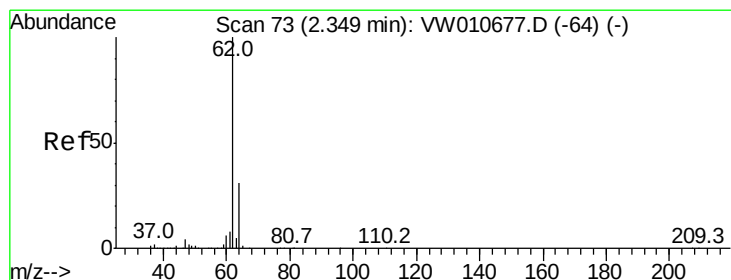
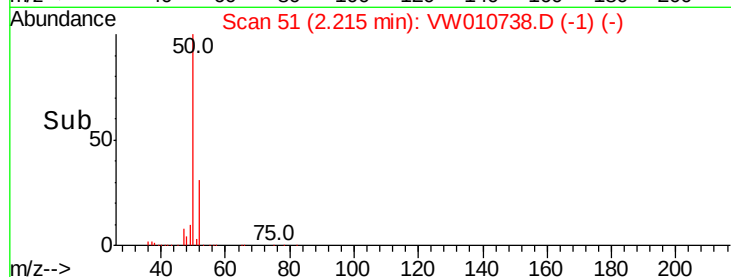
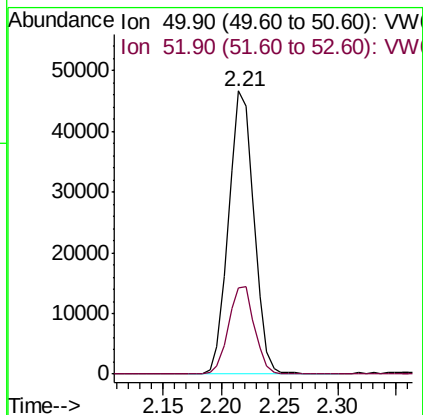
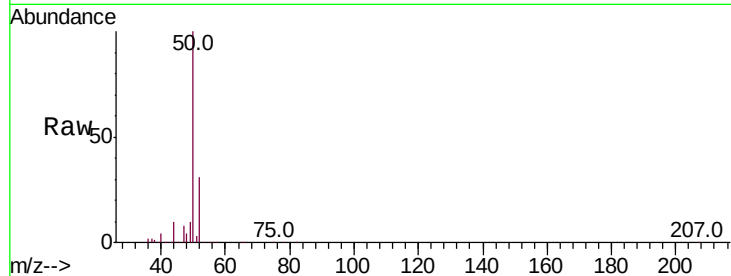
52 30.5 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



#4

Vinyl Chloride

Concen: 19.935 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010738.D

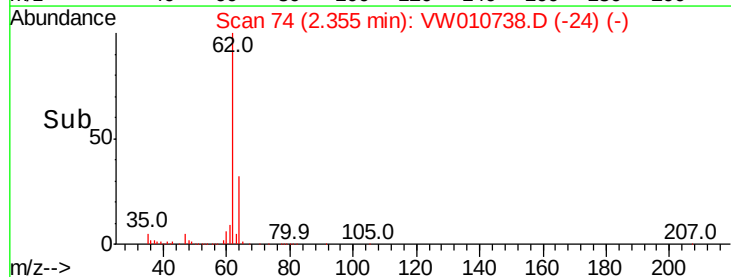
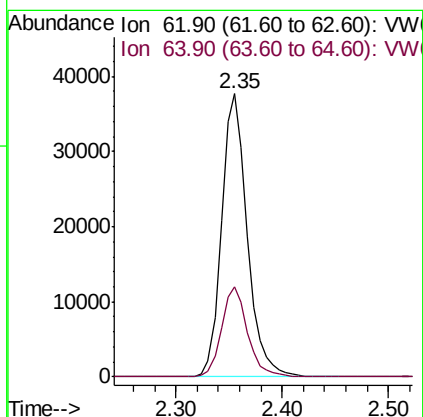
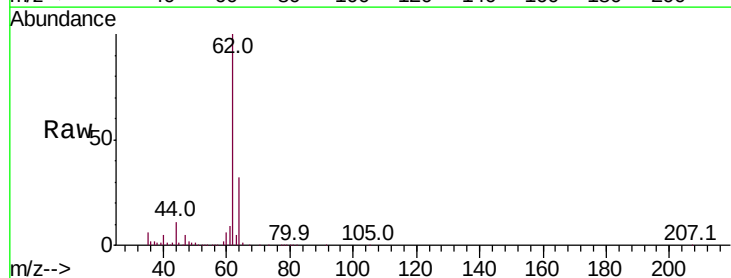
Acq: 10 Jun 2019 12:01

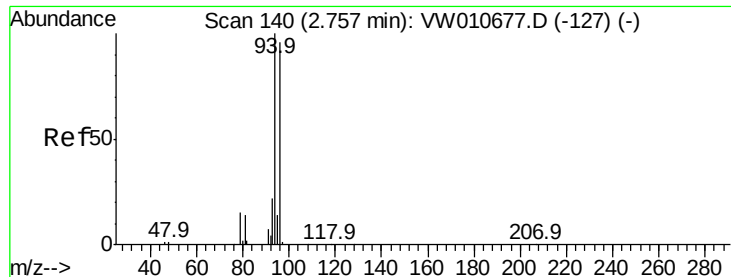
Tgt Ion: 62 Resp: 63335

Ion Ratio Lower Upper

62 100

64 31.8 24.5 36.7





#5

Bromomethane

Concen: 20.244 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VW0610SBS01

Tot Ion: 94 Resp: 35318

Ion Ratio Lower Upper

94 100

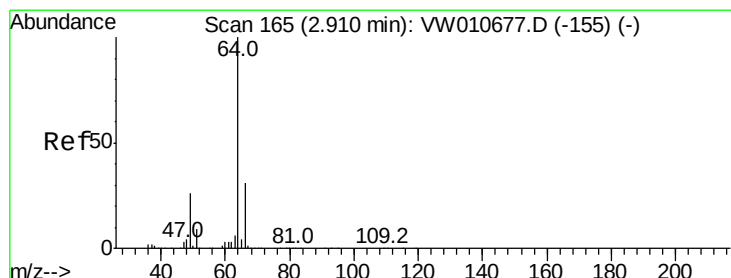
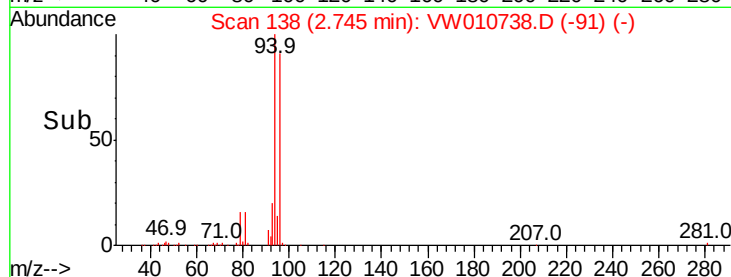
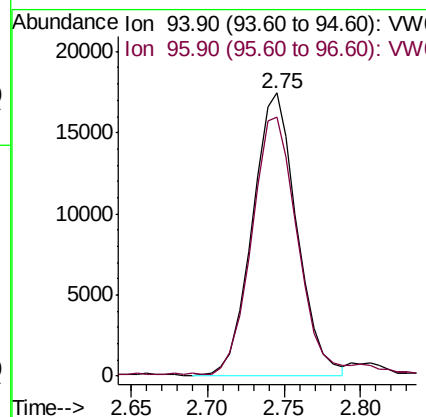
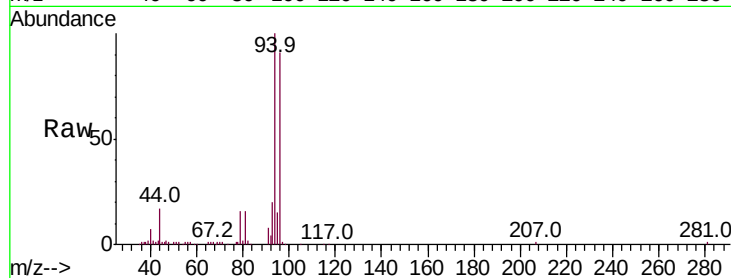
96 90.3 76.5 114.7

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



#6

Chloroethane

Concen: 19.474 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010738.D

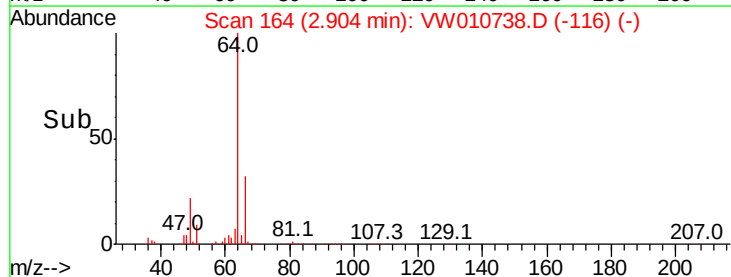
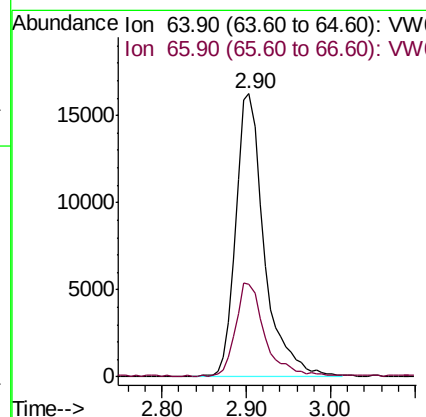
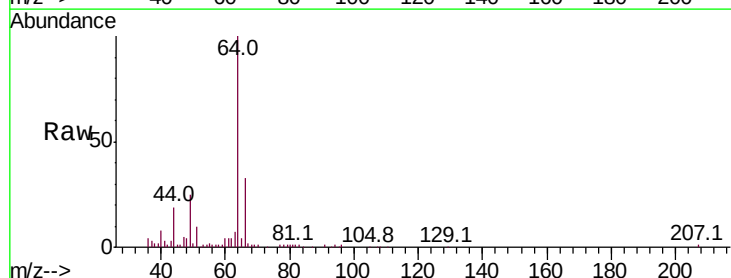
Acq: 10 Jun 2019 12:01

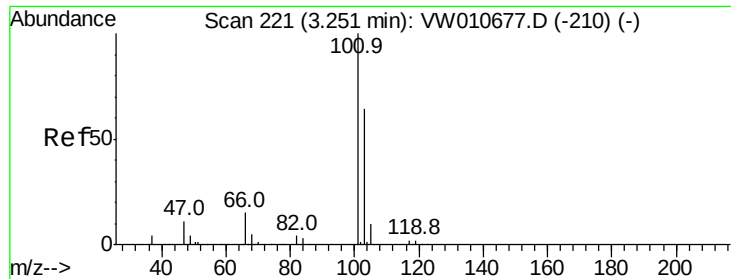
Tgt Ion: 64 Resp: 37136

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

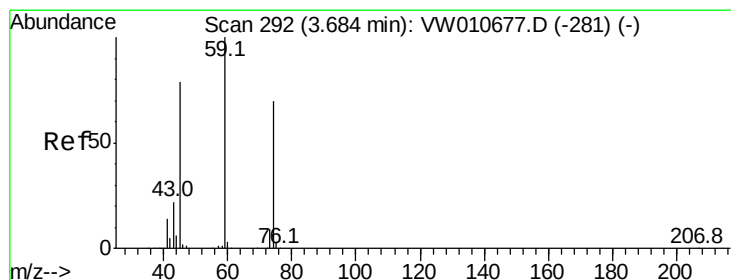
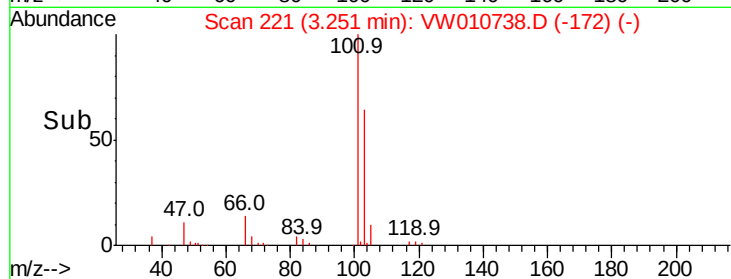
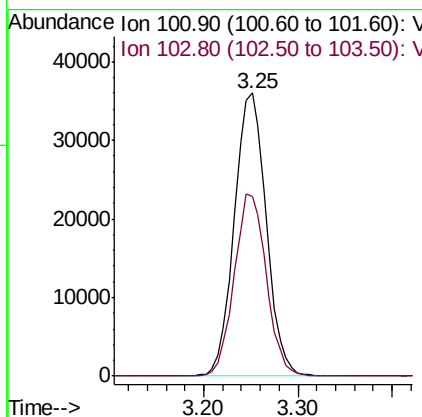
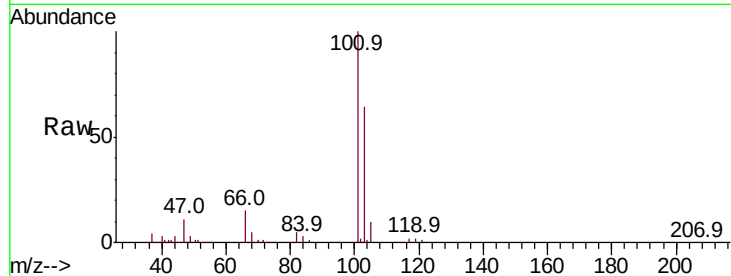
Trichlorofluoromethane
Concen: 20.646 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

Manual Integrations
APPROVED

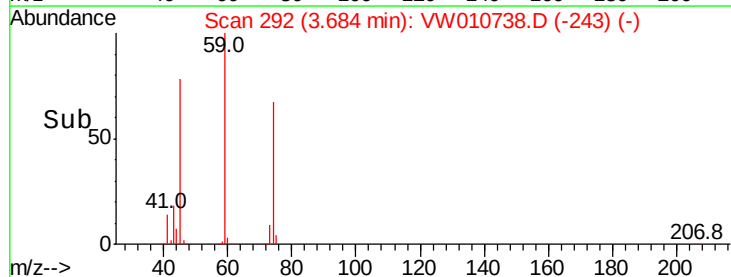
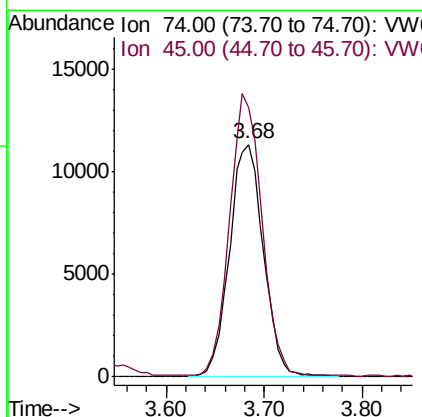
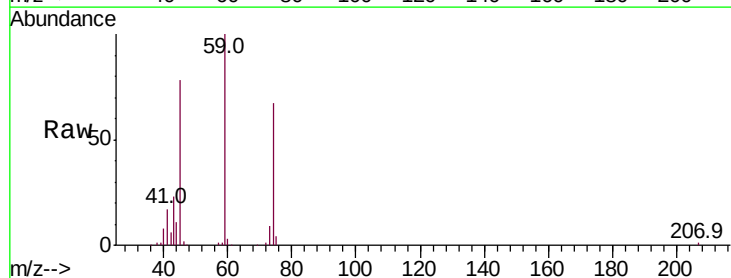
MMDadoda
6/11/2019 1:02:20 PM

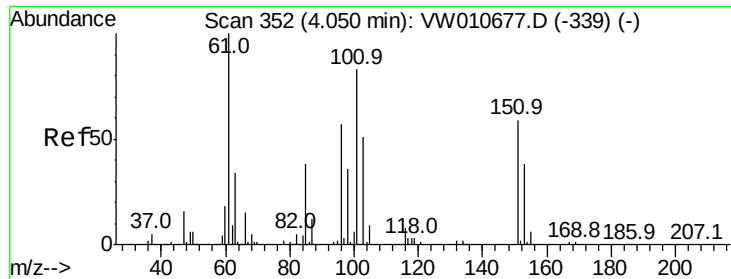


#8

Diethyl Ether
Concen: 18.500 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.7	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.563 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

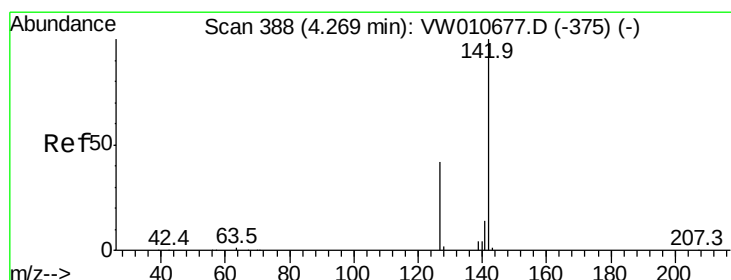
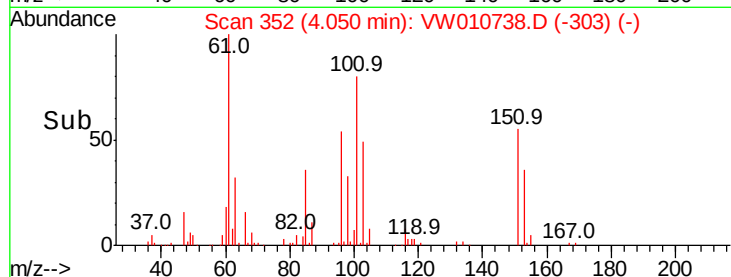
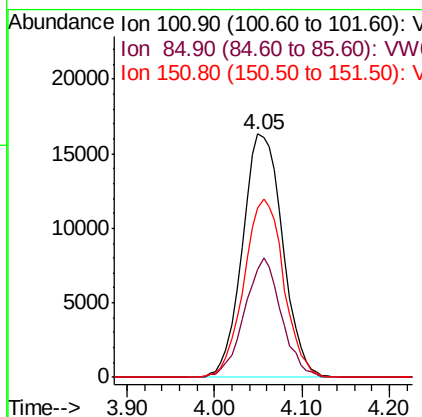
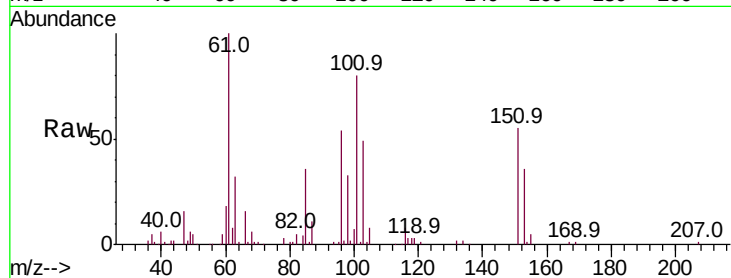
ClientSampleId :

VW0610SBS01

Tot Ion:	101	Resp:	52137
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.8	53.8
151	72.3	58.1	87.1

Manual Integrations
APPROVED

MMDadoda
6/11/2019 1:02:20 PM



#10

Methyl Iodide

Concen: 19.054 ug/l

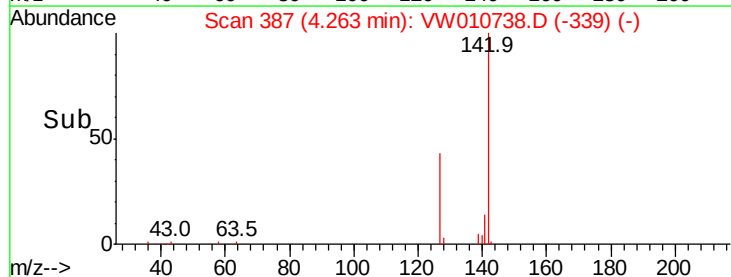
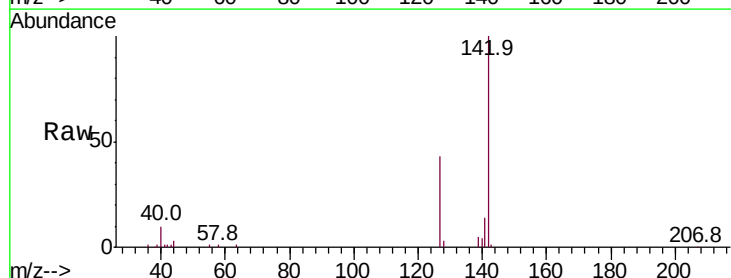
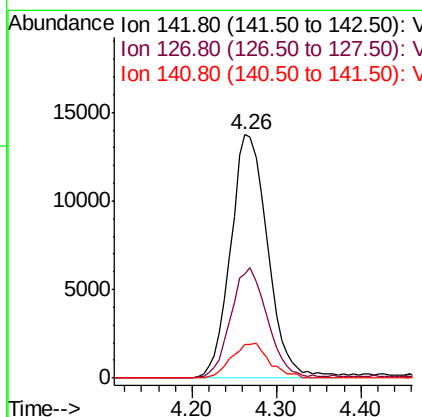
RT: 4.26 min Scan# 387

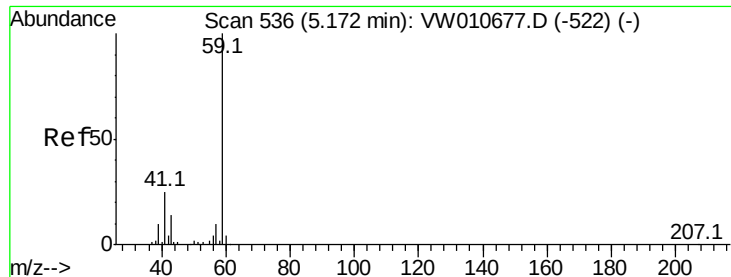
Delta R.T. -0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Tgt Ion:	142	Resp:	41187
Ion Ratio	Lower	Upper	
142	100		
127	44.5	34.6	51.8
141	14.6	11.6	17.4





#11

Tert butyl alcohol

Concen: 113.020 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

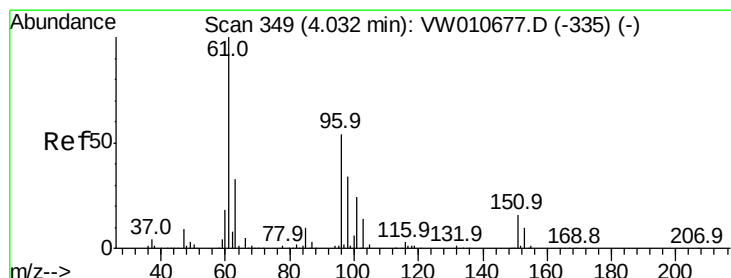
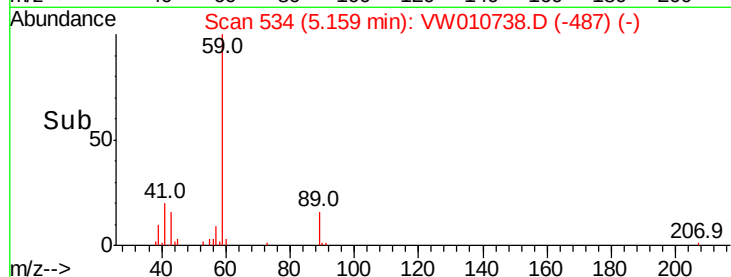
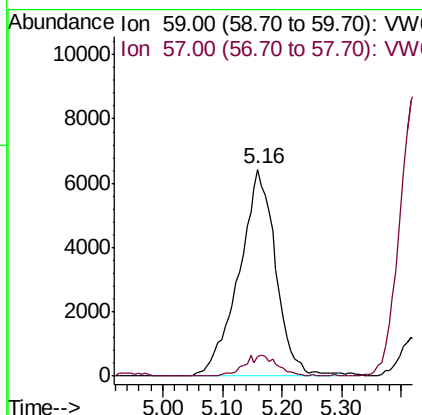
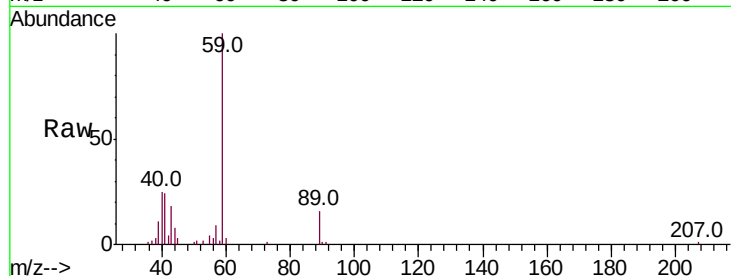
Instrument :
MSVOA_W

ClientSampled :
VW0610SBS01

Tot Ion	59	Resp	27448
Ion Ratio	100	Lower	Upper
57	9.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/11/2019 1:02:20 PM



#12

1,1-Dichloroethene

Concen: 20.114 ug/l

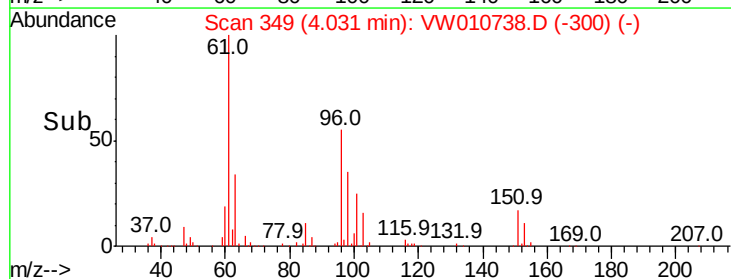
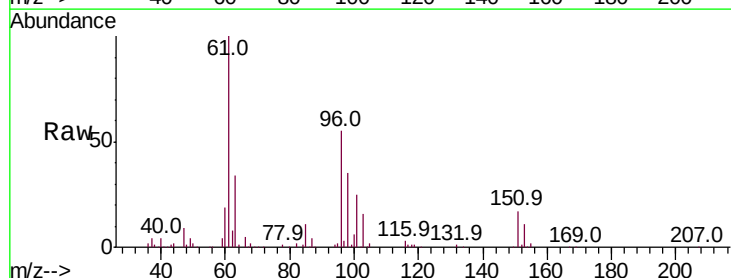
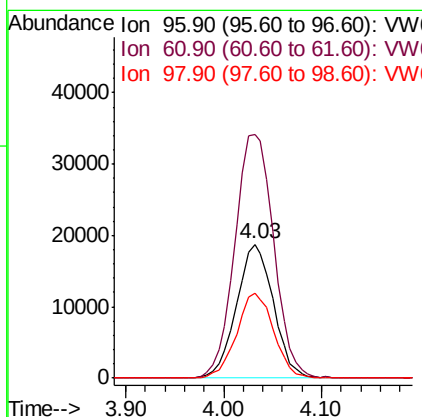
RT: 4.03 min Scan# 349

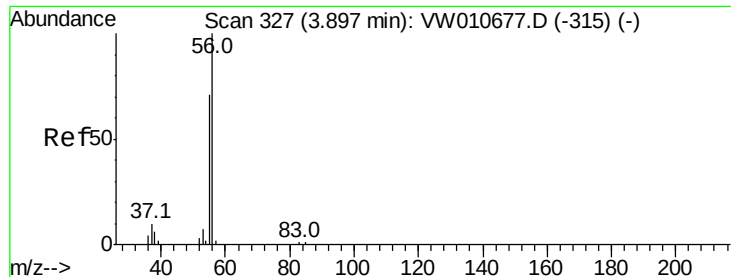
Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Tgt Ion	96	Resp	49197
Ion Ratio	100	Lower	Upper
61	182.1	149.1	223.7
98	63.7	51.1	76.7





#13

Acrolein

Concen: 68.914 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VW0610SBS01

Tot Ion: 56 Resp: 6839

Ion Ratio Lower Upper

56 100

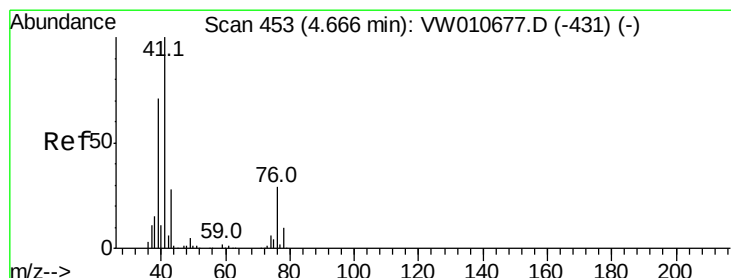
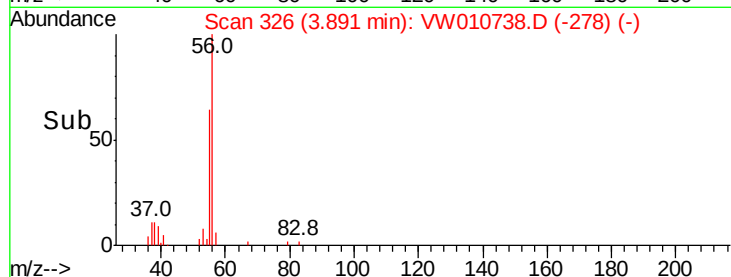
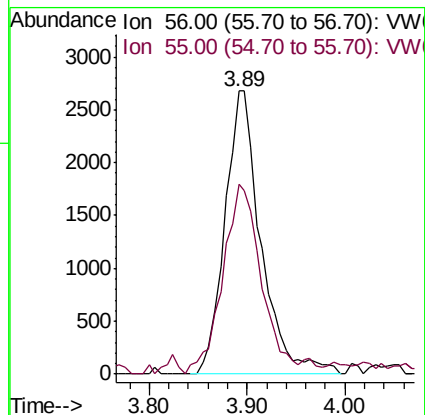
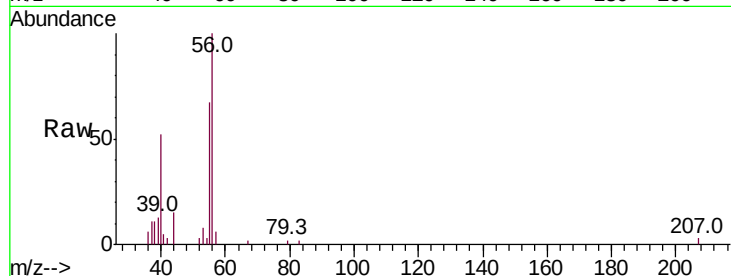
55 71.3 57.6 86.4

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



#14

Allyl chloride

Concen: 20.980 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

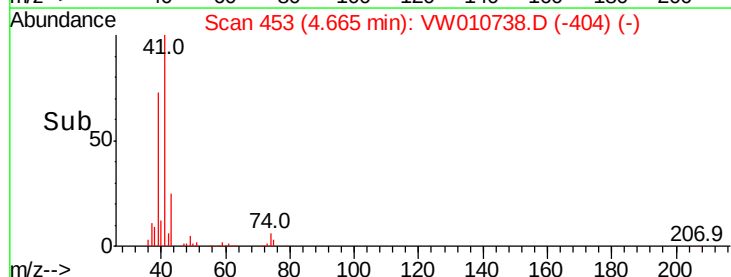
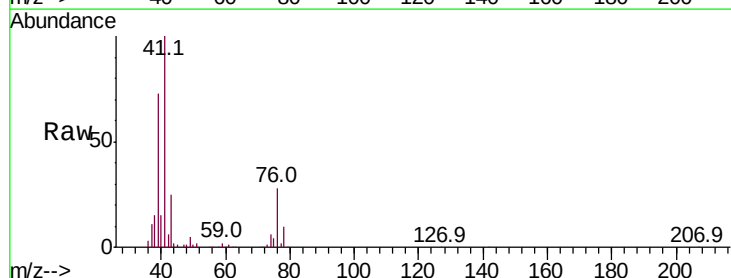
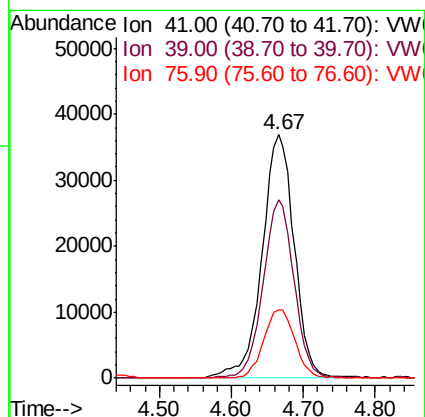
Tgt Ion: 41 Resp: 113146

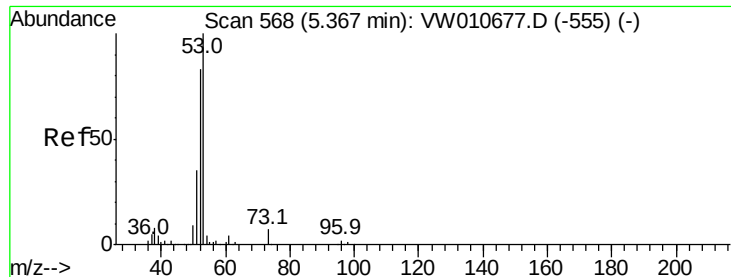
Ion Ratio Lower Upper

41 100

39 70.7 55.8 83.6

76 27.6 22.7 34.1





#15

Acrylonitrile

Concen: 89.130 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

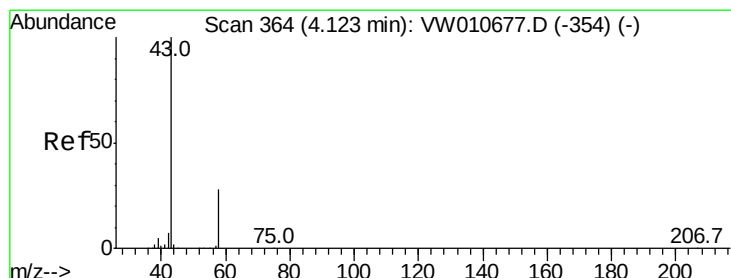
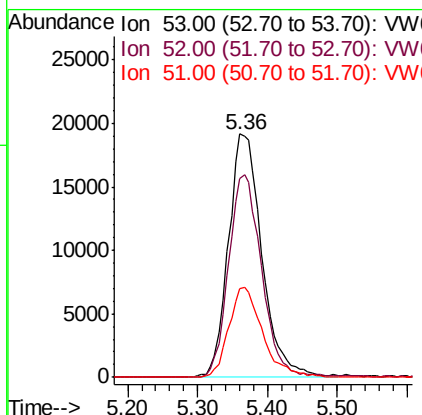
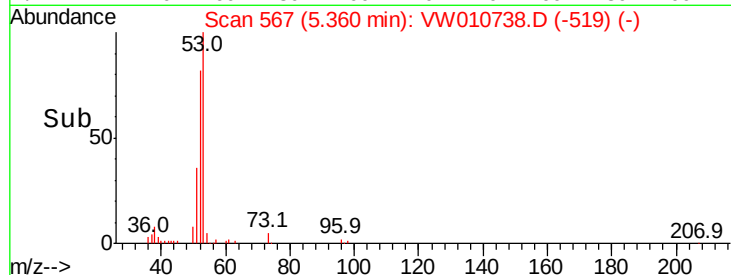
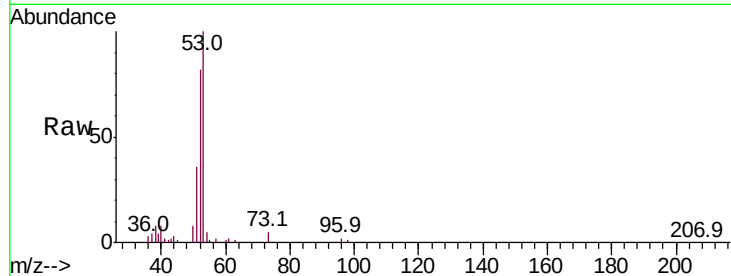
ClientSampleId :

VW0610SBS01

Tot Ion:	53	Resp:	63817
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	37.4	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
6/11/2019 1:02:20 PM



#16

Acetone

Concen: 90.478 ug/l

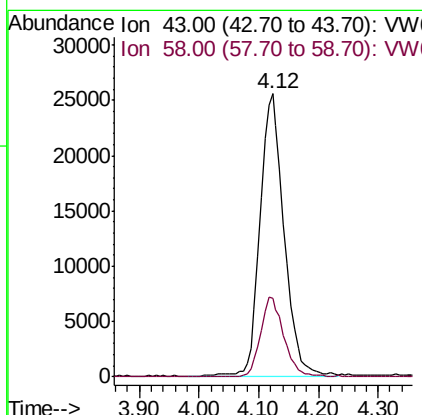
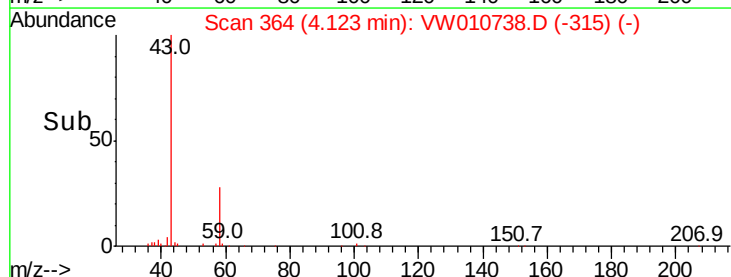
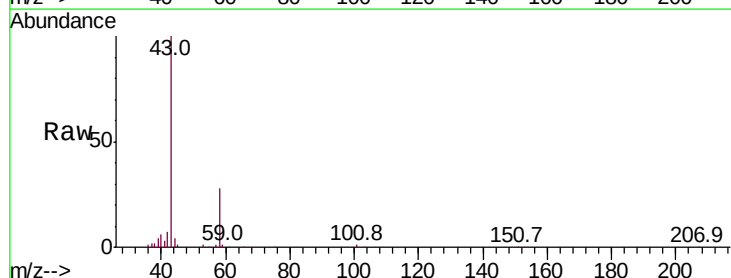
RT: 4.12 min Scan# 364

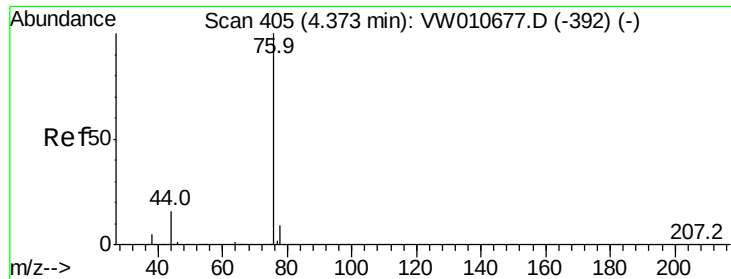
Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Tgt Ion:	43	Resp:	72271
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.1	33.1





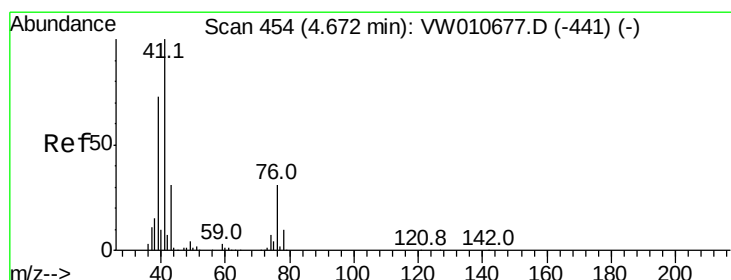
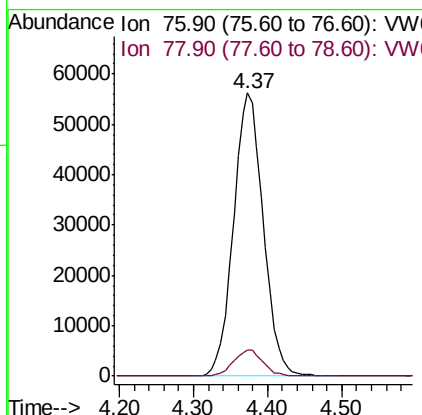
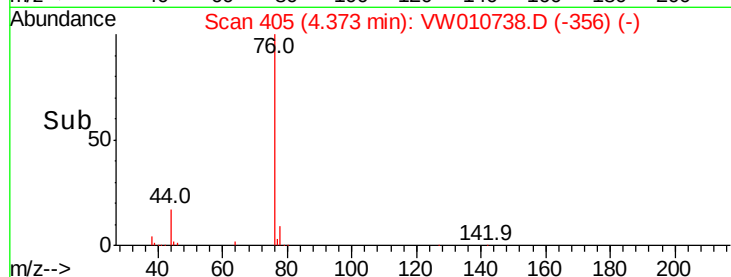
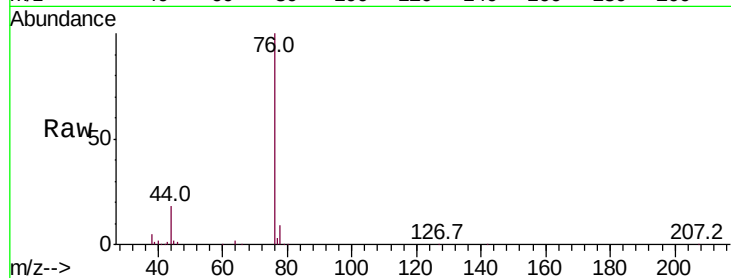
#17
Carbon Disulfide
Concen: 20.247 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

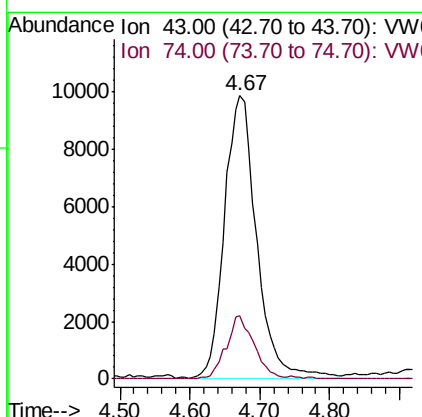
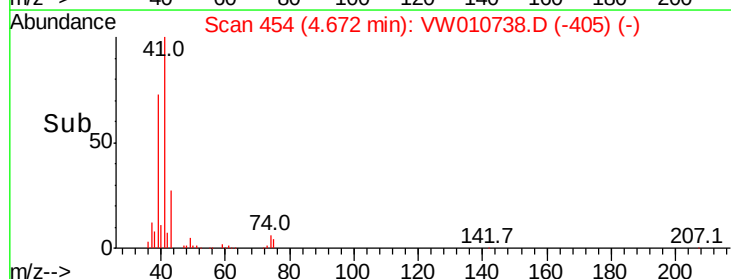
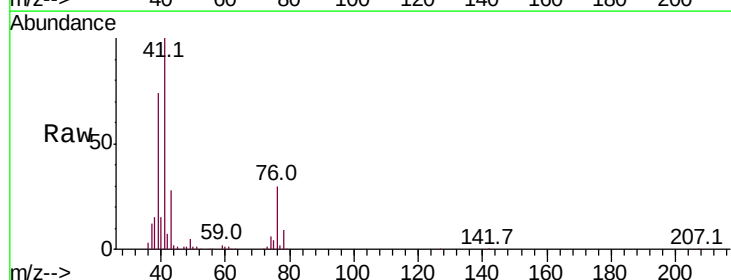
Manual Integrations
APPROVED

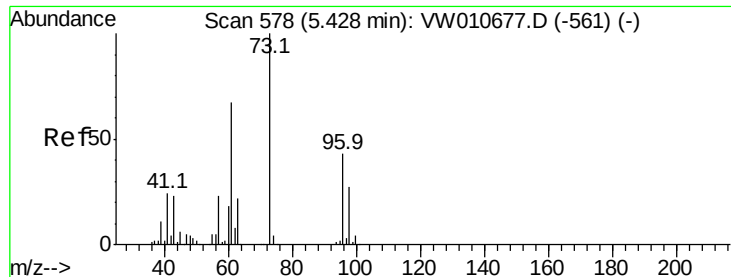
MMDadoda
6/11/2019 1:02:20 PM



#18
Methyl Acetate
Concen: 18.473 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	16.7	25.1





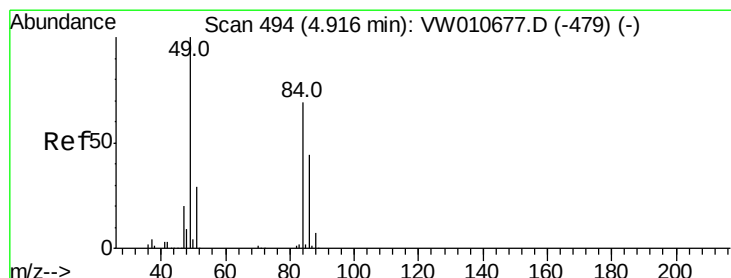
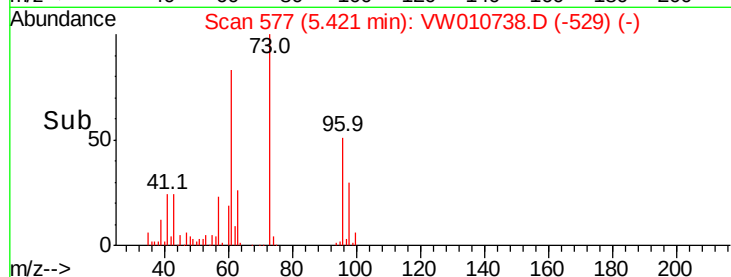
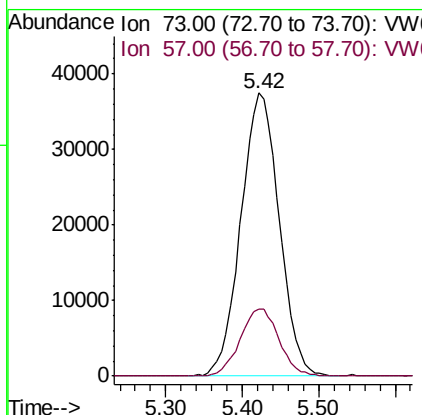
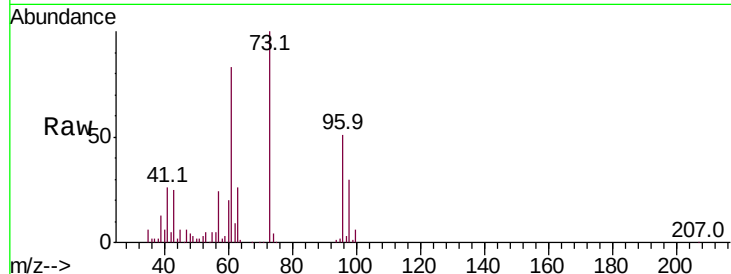
#19
Methyl tert-butyl Ether
Concen: 18.515 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion: 73 Resp: 130612
Ion Ratio Lower Upper
73 100
57 23.5 18.6 27.8

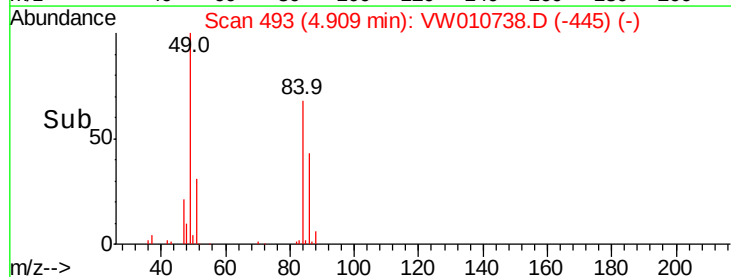
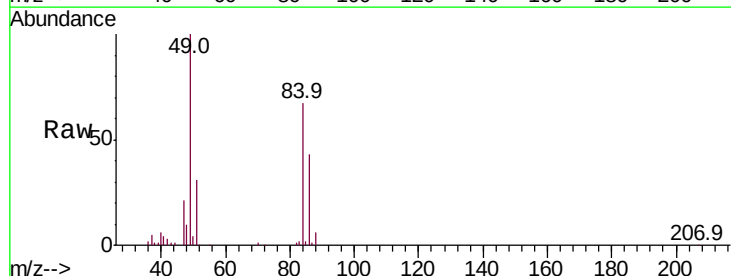
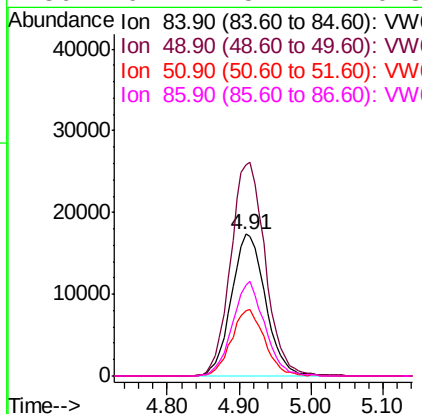
Manual Integrations
APPROVED

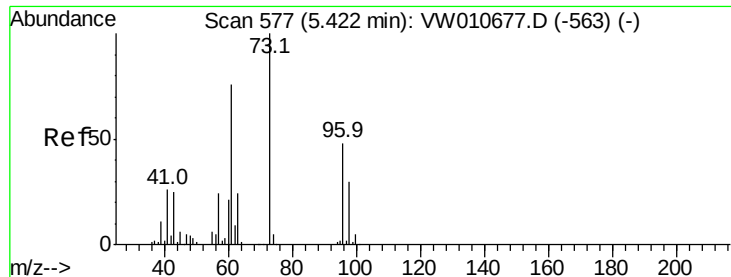
MMDadoda
6/11/2019 1:02:20 PM



#20
Methylene Chloride
Concen: 20.442 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion: 84 Resp: 57283
Ion Ratio Lower Upper
84 100
49 148.6 116.7 175.1
51 46.4 34.2 51.2
86 64.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.339 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampled :

VW0610SBS01

Tot Ion: 96 Resp: 56472

Ion Ratio Lower Upper

96 100

61 163.7 126.0 189.0

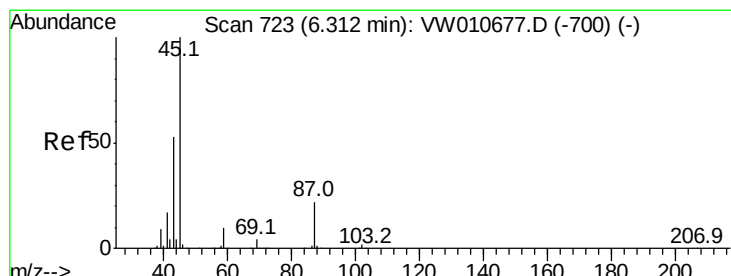
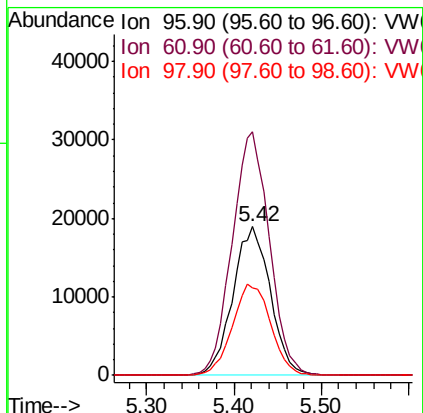
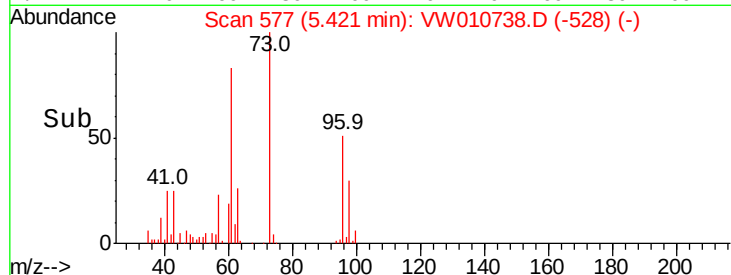
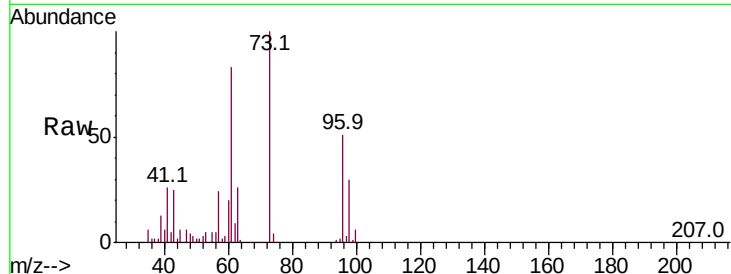
98 58.5 49.6 74.4

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



#22

Diisopropyl ether

Concen: 20.252 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Tgt Ion: 45 Resp: 218663

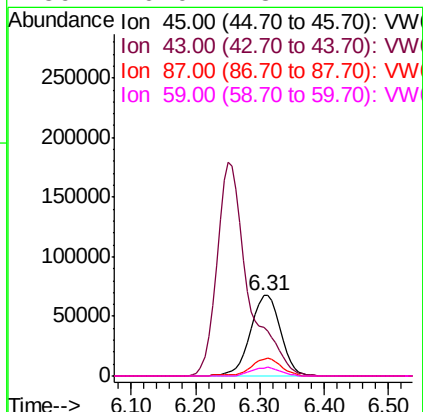
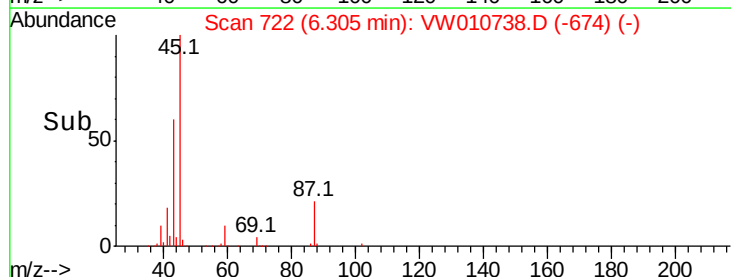
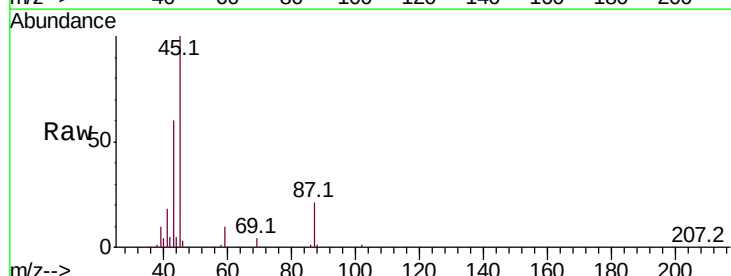
Ion Ratio Lower Upper

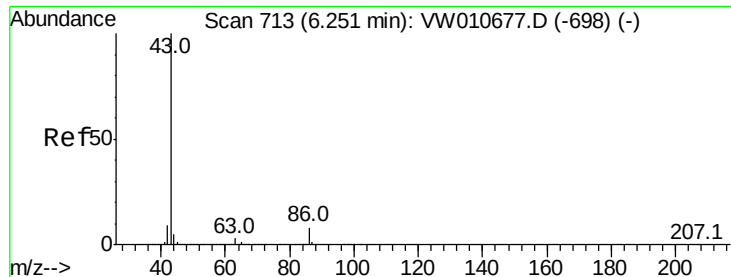
45 100

43 59.8 42.5 63.7

87 21.4 17.4 26.2

59 10.0 8.1 12.1





#23

Vinyl Acetate

Concen: 93.530 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VW0610SBS01

Tot Ion: 43 Resp: 609430

Ion Ratio Lower Upper

43 100

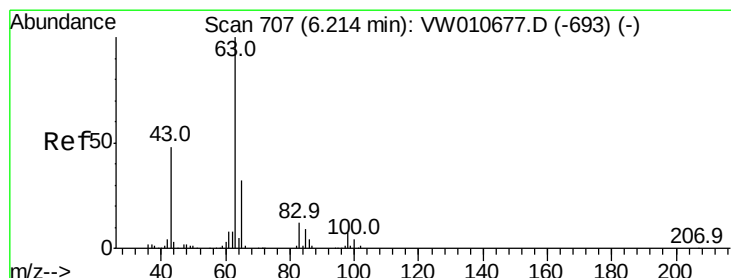
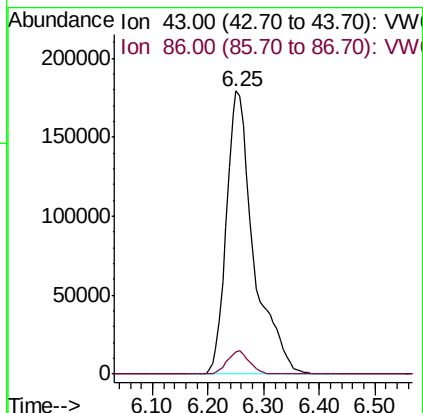
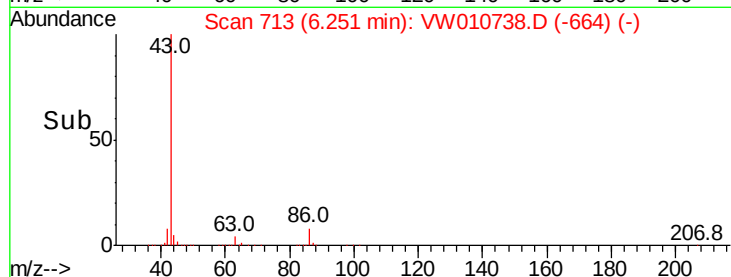
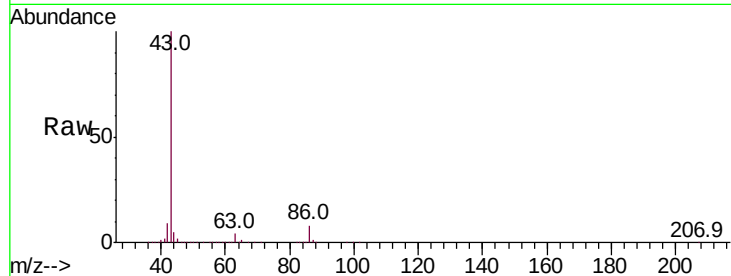
86 7.9 6.6 10.0

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



#24

1,1-Dichloroethane

Concen: 20.937 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

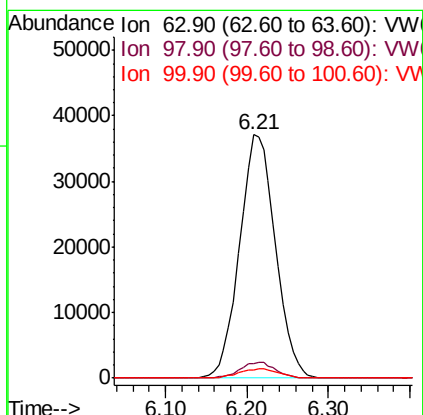
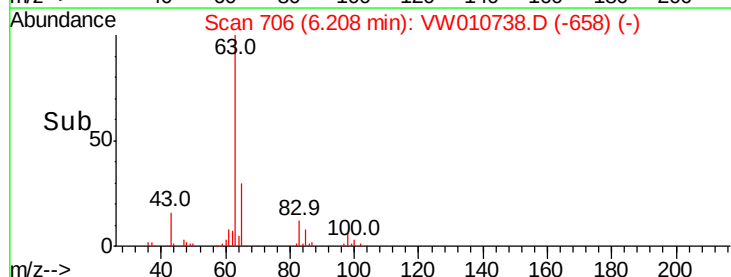
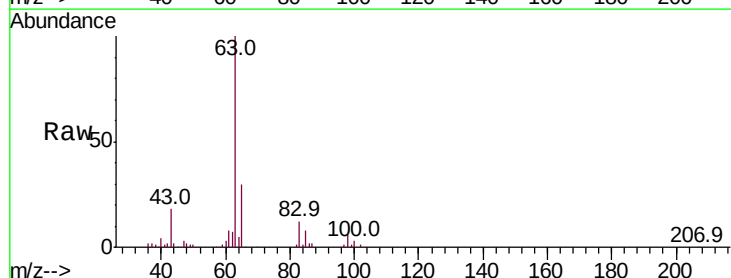
Tgt Ion: 63 Resp: 113287

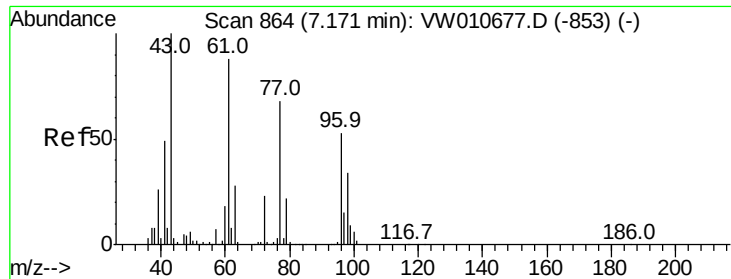
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

100 3.4 2.1 6.3





#25

2-Butanone

Concen: 86.530 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampled :

VW0610SBS01

Tot Ion: 43 Resp: 95841

Ion Ratio Lower Upper

43 100

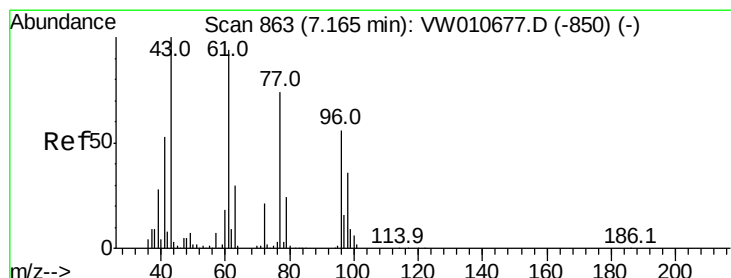
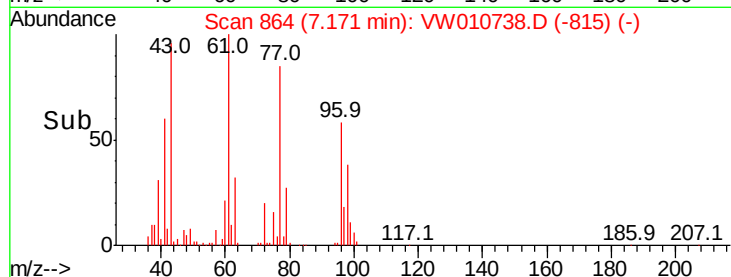
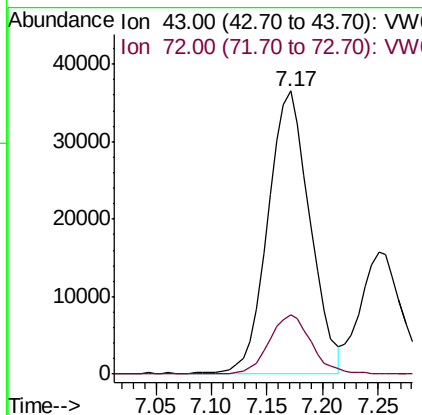
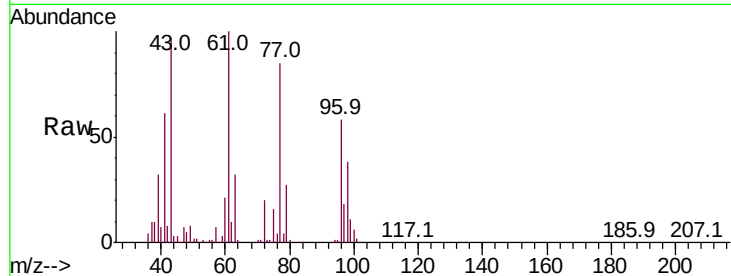
72 21.0 18.1 27.1

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



#26

2,2-Dichloropropane

Concen: 22.743 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010738.D

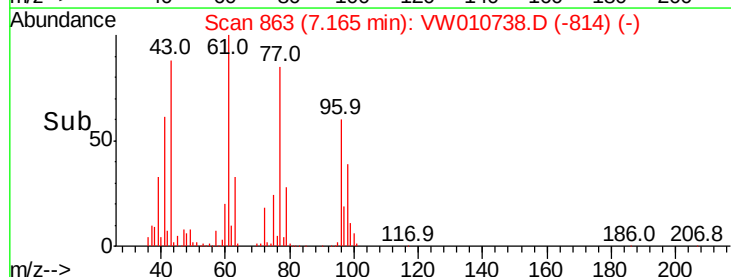
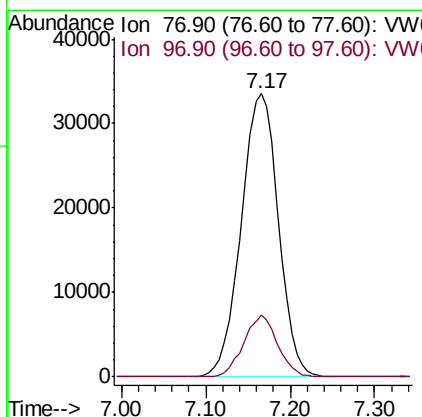
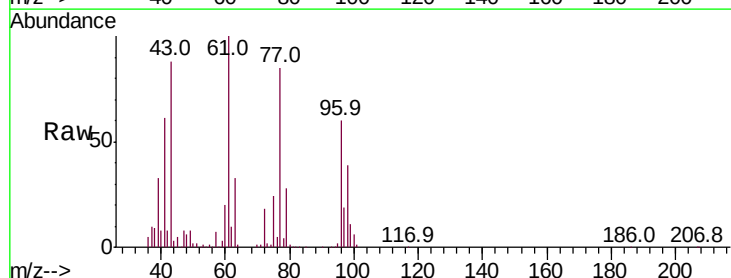
Acq: 10 Jun 2019 12:01

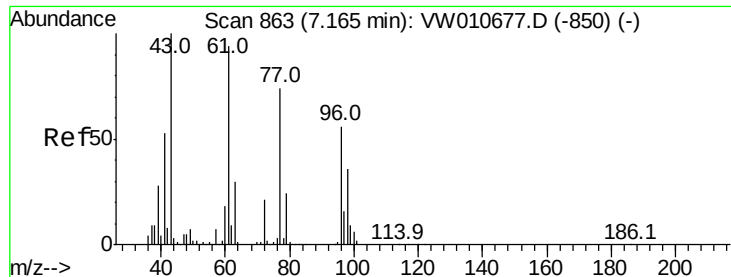
Tgt Ion: 77 Resp: 100137

Ion Ratio Lower Upper

77 100

97 19.8 10.5 31.6





#27

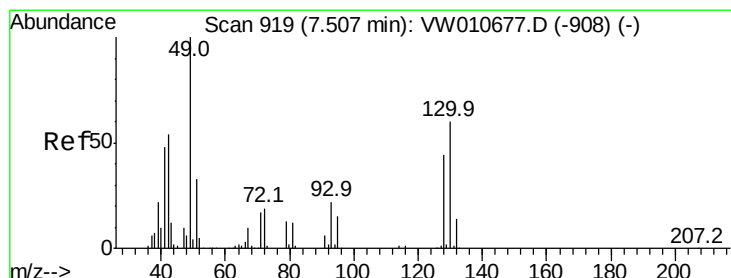
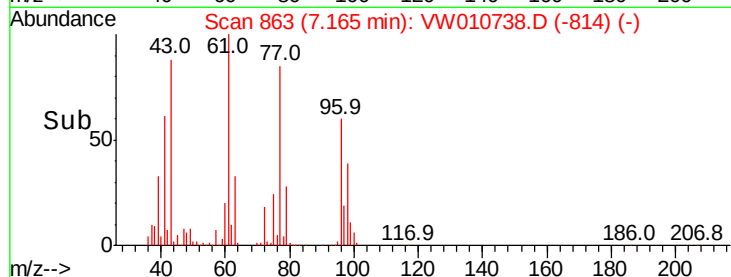
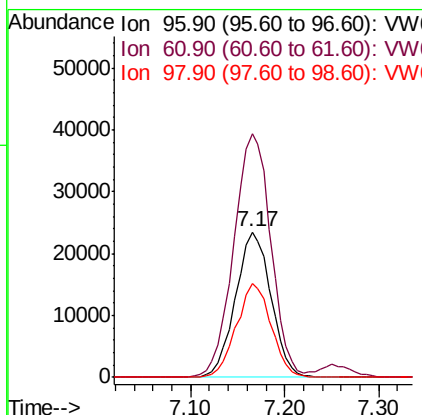
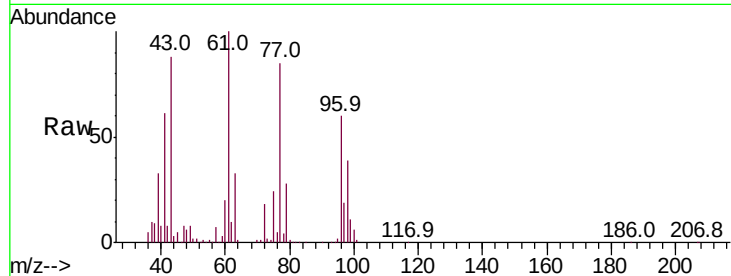
cis-1,2-Dichloroethene
Concen: 20.136 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.1	0.0	336.4
98	63.3	0.0	128.0

Manual Integrations
APPROVED

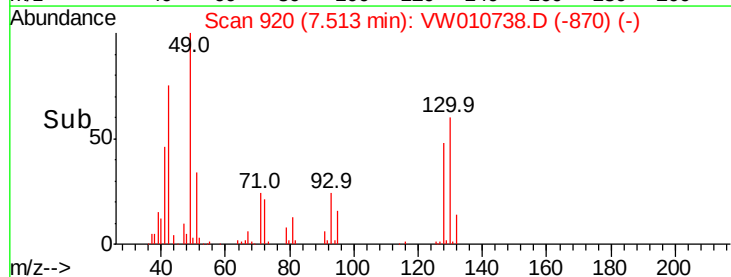
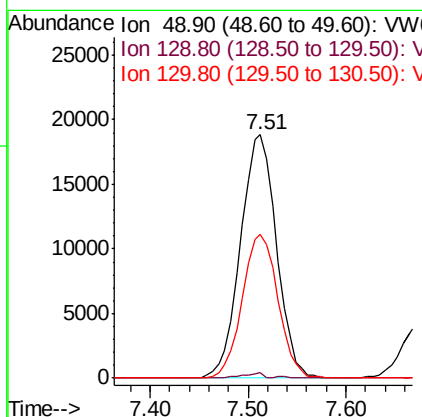
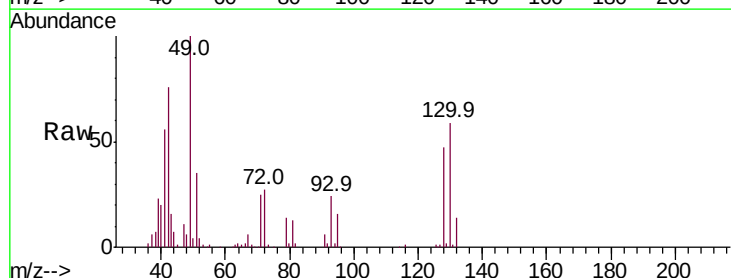
MMDadoda
6/11/2019 1:02:20 PM

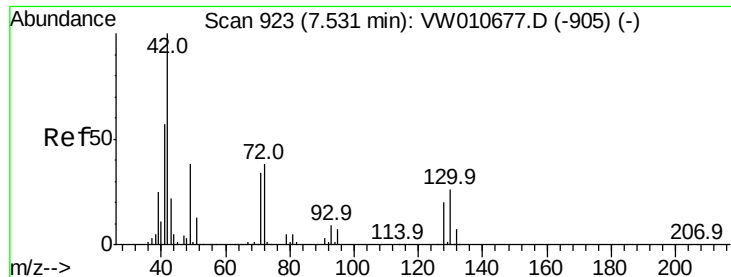


#28

Bromochloromethane
Concen: 19.905 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.2
130	58.6	48.3	72.5





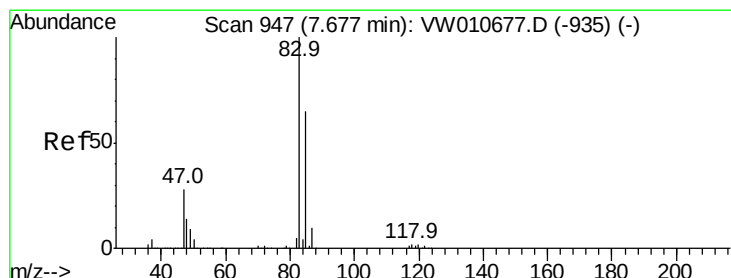
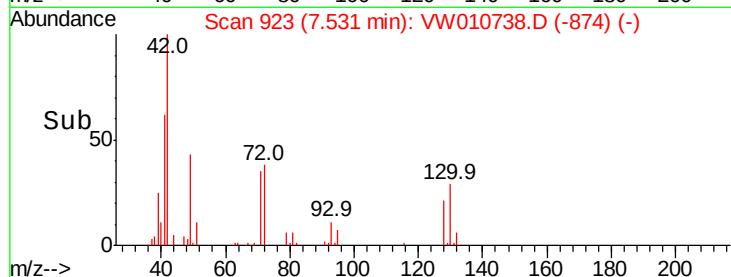
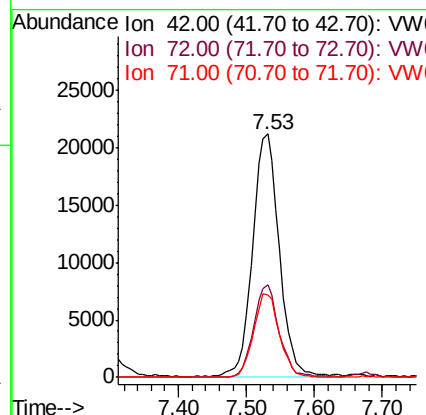
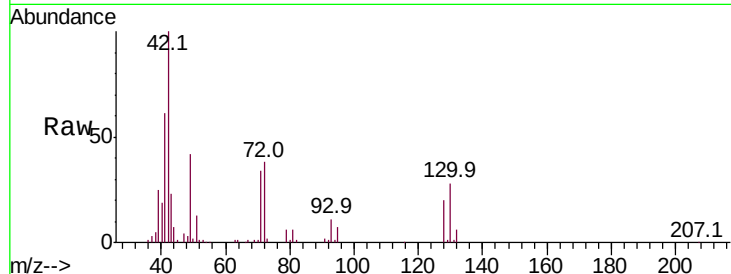
#29
Tetrahydrofuran
Concen: 83.963 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	28.7	43.1
71	32.9	26.6	39.8

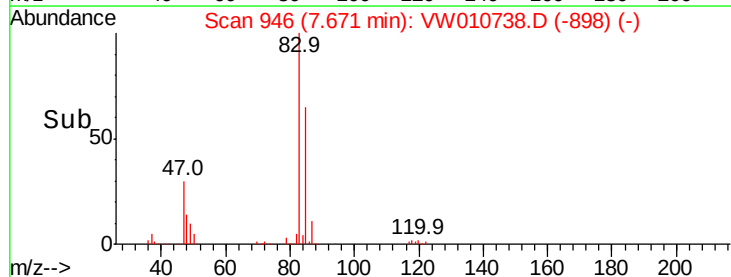
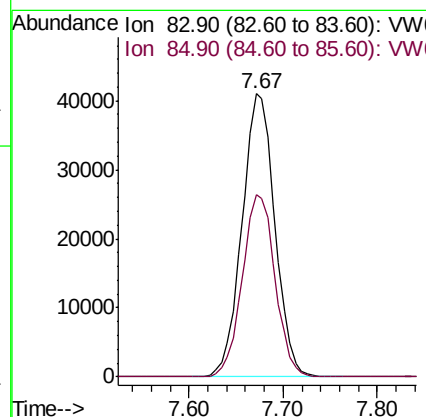
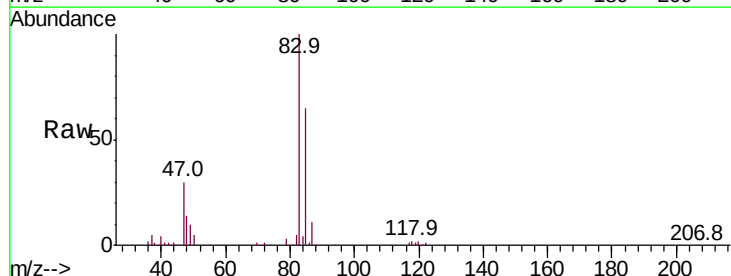
Manual Integrations
APPROVED

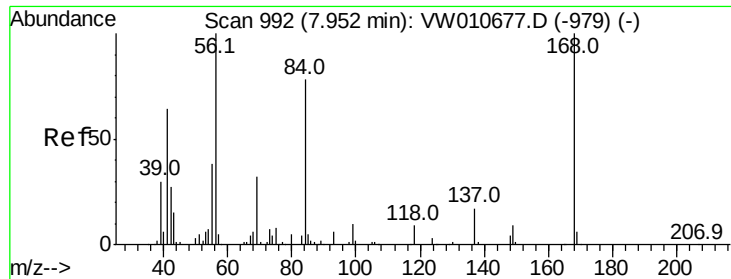
MMDadoda
6/11/2019 1:02:20 PM



#30
Chloroform
Concen: 20.167 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





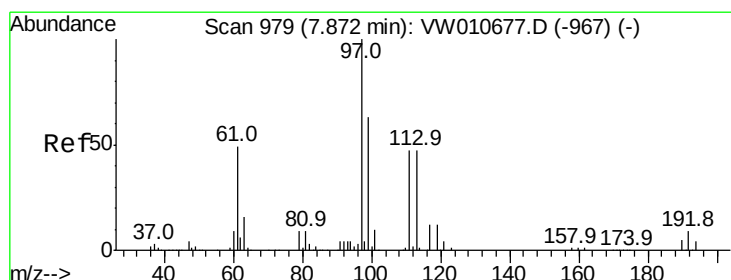
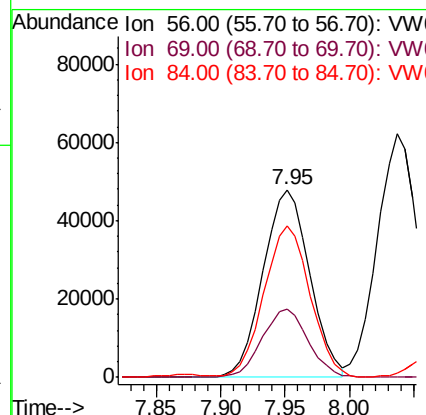
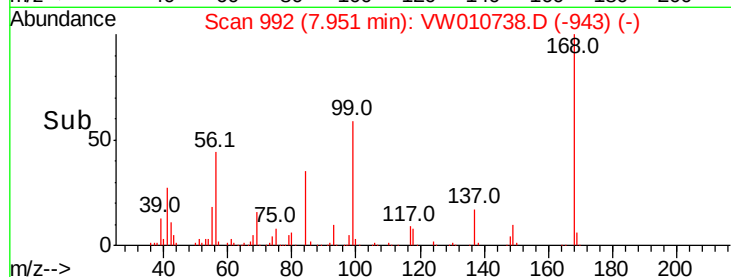
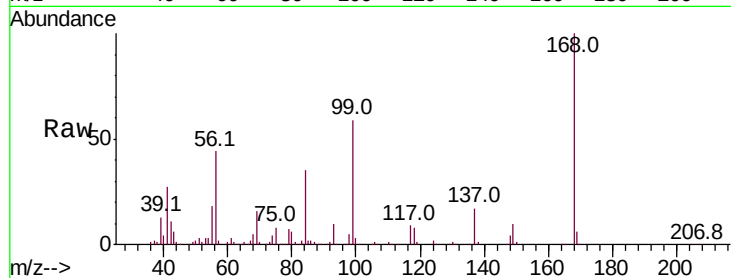
#31
Cyclohexane
Concen: 20.032 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.2	37.8
84	79.8	62.2	93.2

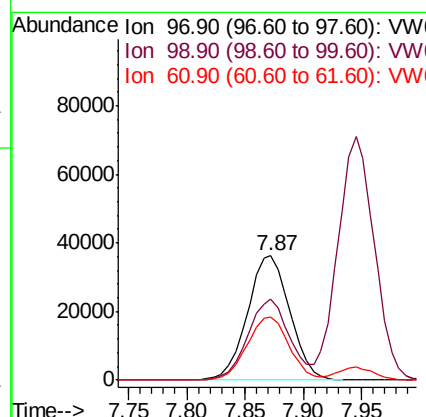
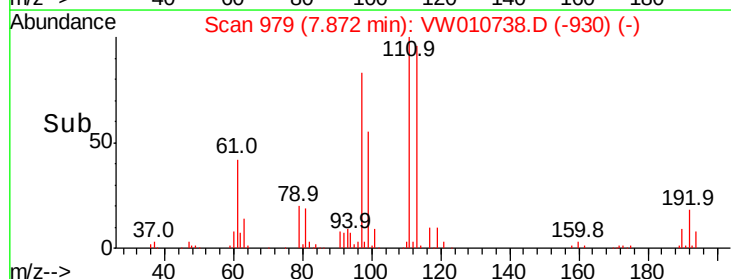
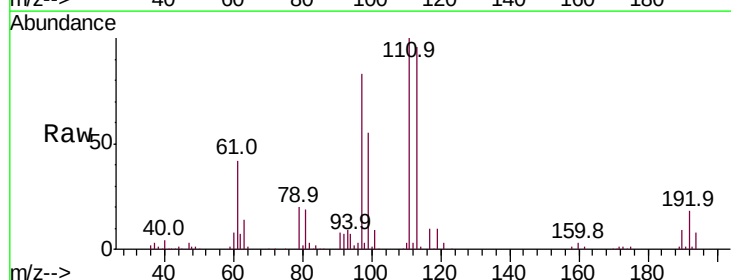
Manual Integrations
APPROVED

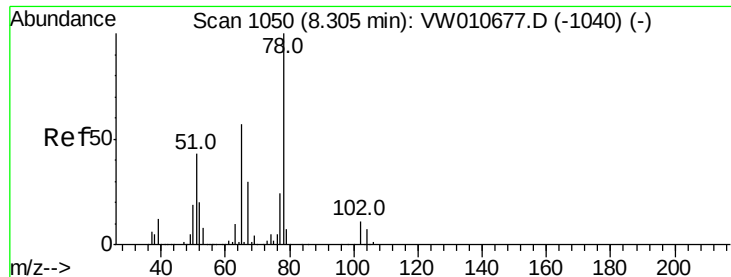
MMDadoda
6/11/2019 1:02:20 PM



#32
1,1,1-Trichloroethane
Concen: 21.090 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	50.7	40.4	60.6





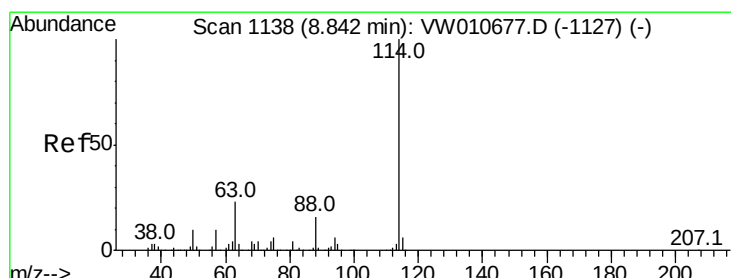
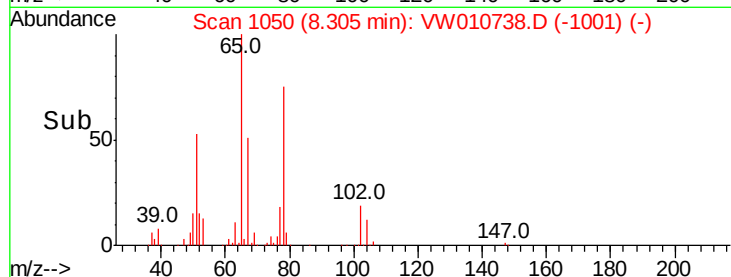
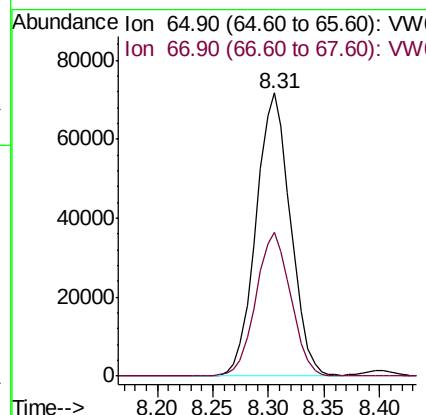
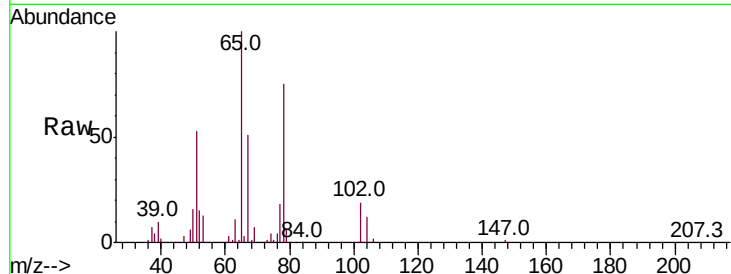
#33
 1,2-Dichloroethane-d4
 Concen: 51.868 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.6

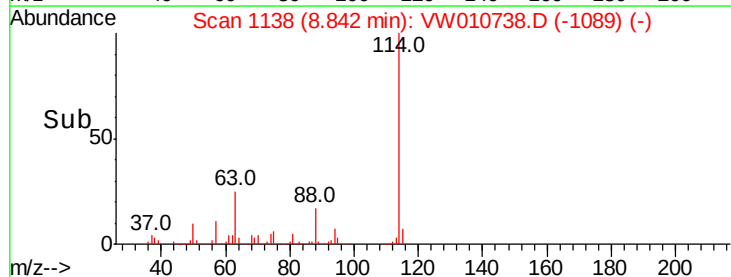
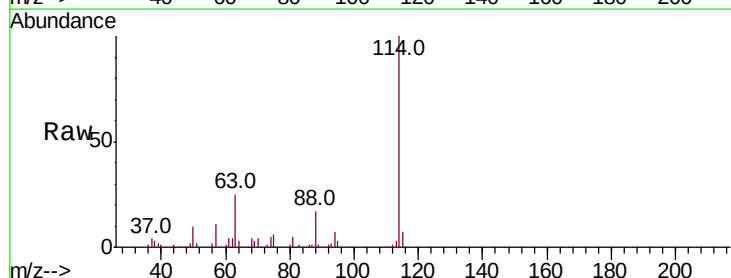
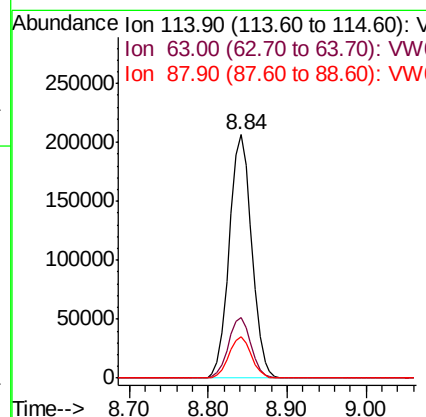
Manual Integrations
 APPROVED

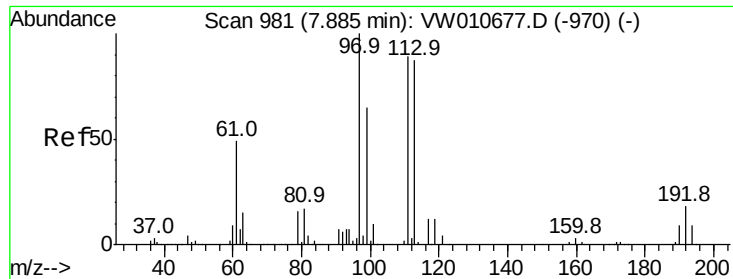
MMDadoda
 6/11/2019 1:02:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	46.4
88	16.8	0.0	32.2





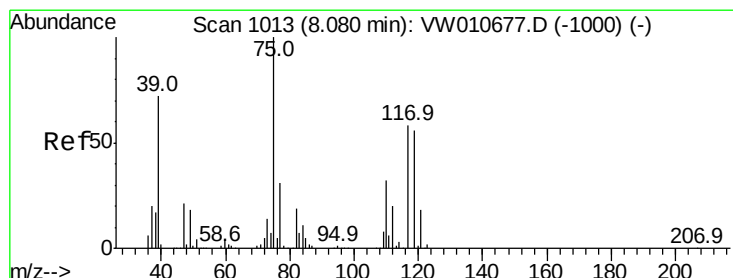
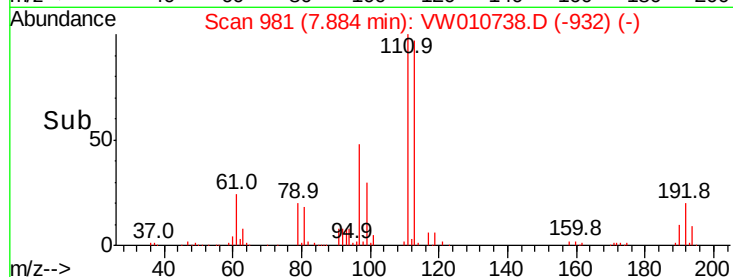
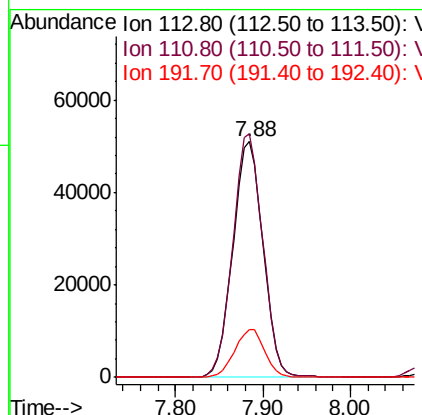
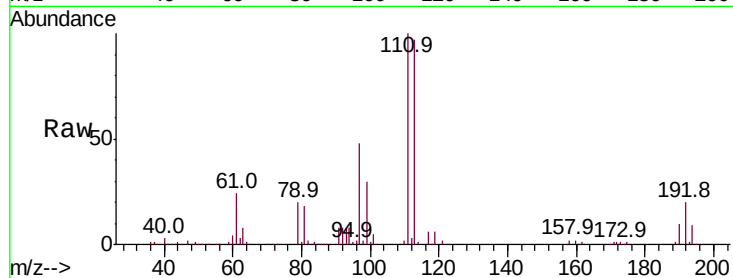
#35
 Dibromofluoromethane
 Concen: 55.137 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.6	123.8	
192	20.1	16.4	24.6	

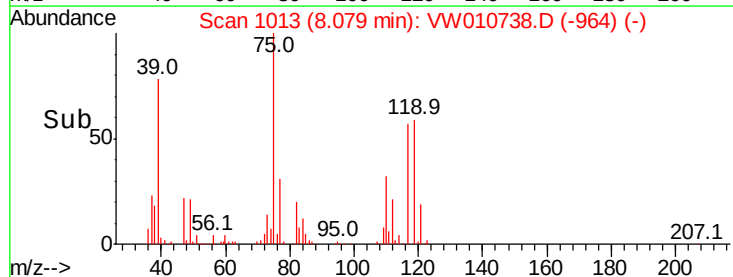
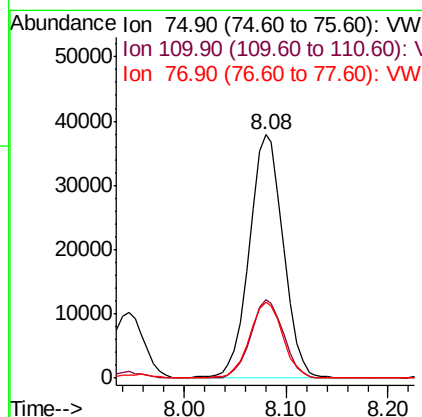
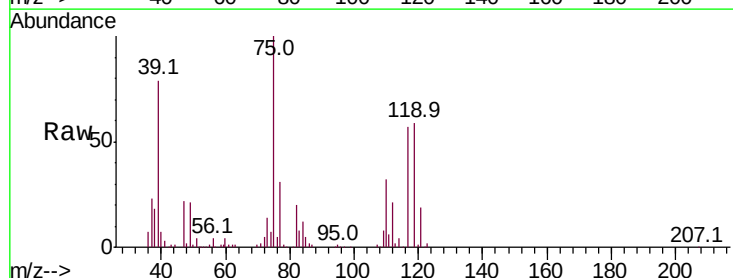
Manual Integrations
 APPROVED

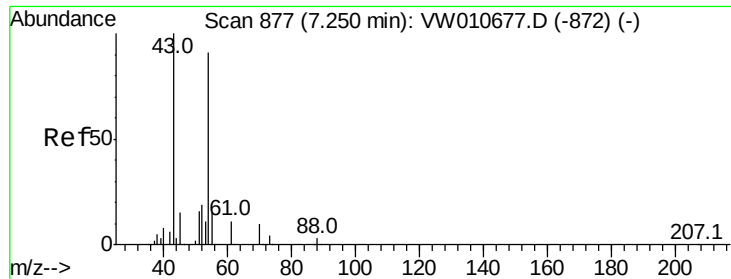
MMDadoda
 6/11/2019 1:02:20 PM



#36
 1,1-Dichloropropene
 Concen: 20.958 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.2	15.8	47.3	
77	30.8	24.7	37.1	





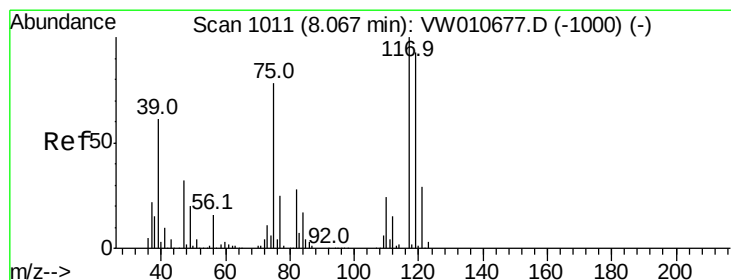
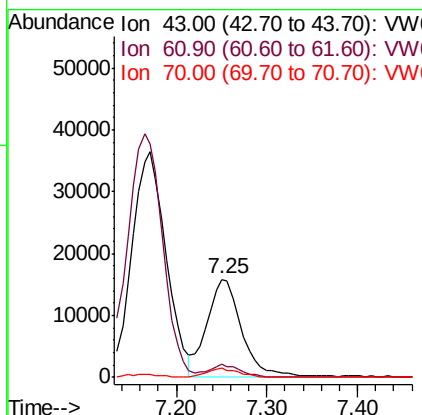
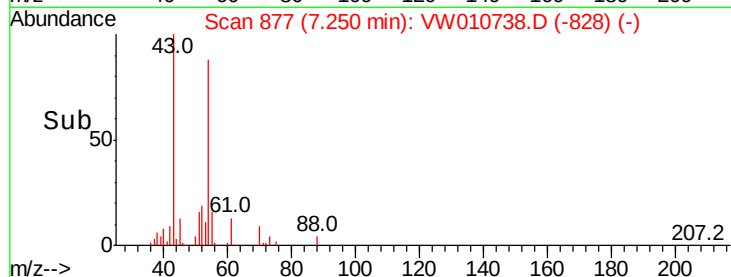
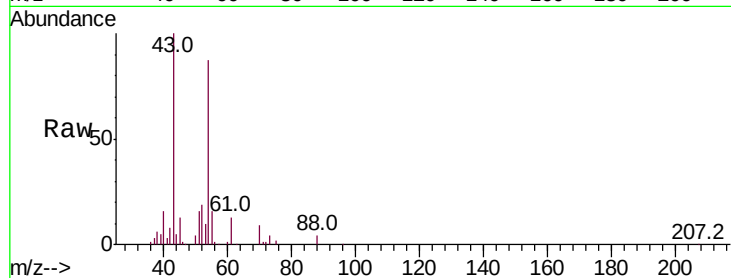
#37
Ethyl Acetate
Concen: 17.923 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.7	14.5
70	8.8	7.2	10.8

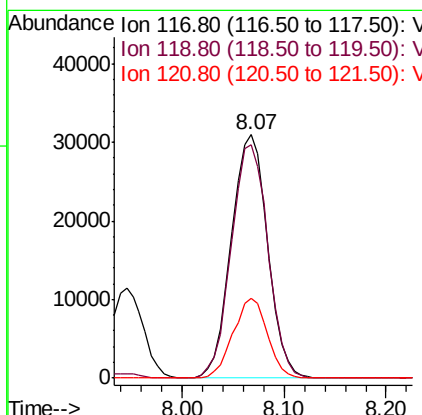
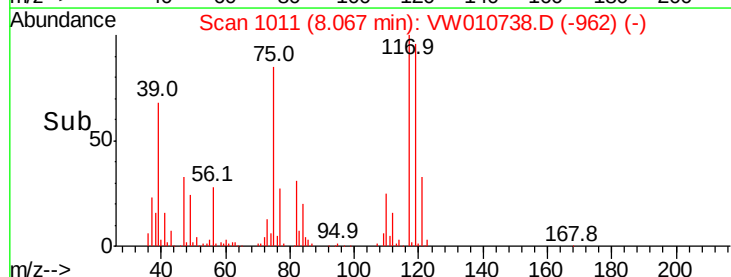
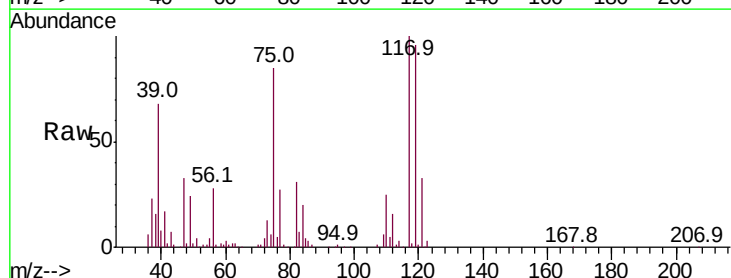
Manual Integrations
APPROVED

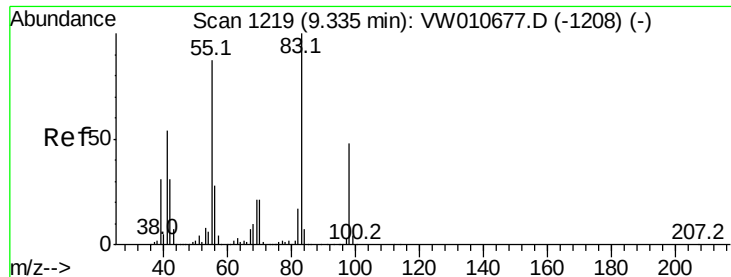
MMDadoda
6/11/2019 1:02:20 PM



#38
Carbon Tetrachloride
Concen: 21.091 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.2	111.4
121	32.6	22.9	34.3





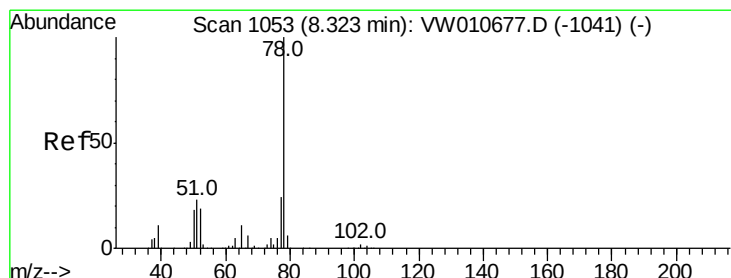
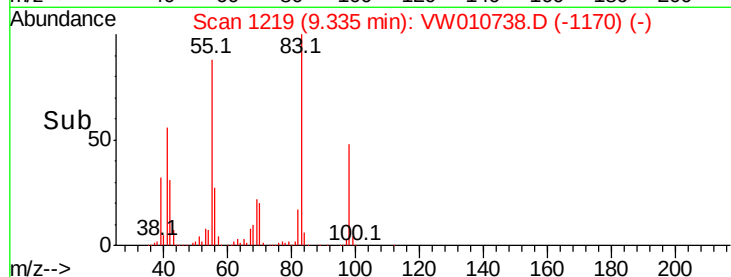
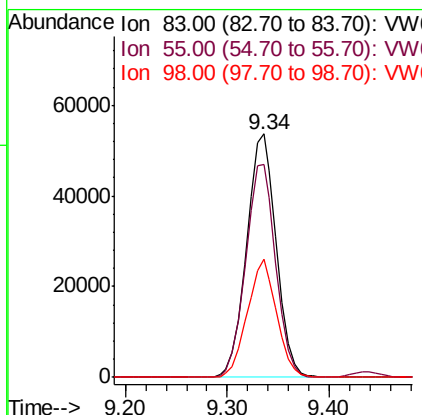
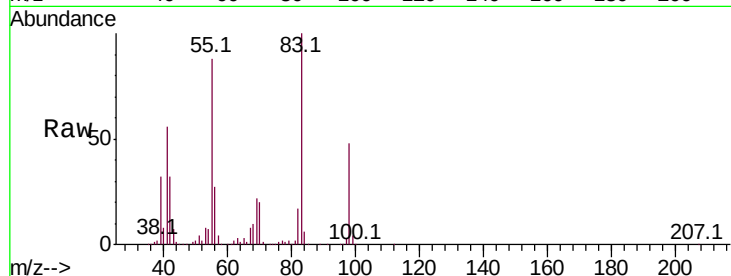
#39
Methylvlcyclohexane
Concen: 20.351 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	83	Resp	108503
Ion Ratio	100	Lower	Upper
83	100		
55	87.7	70.0	105.0
98	48.3	38.1	57.1

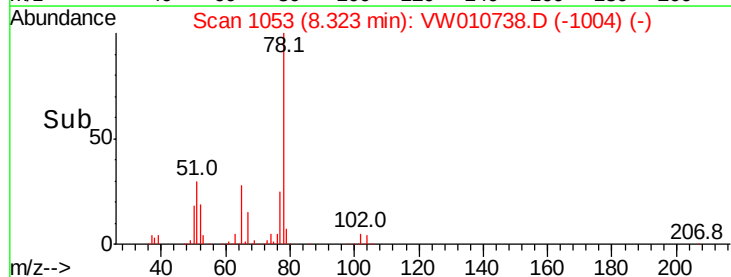
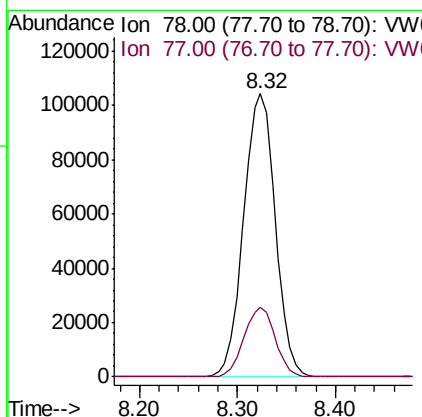
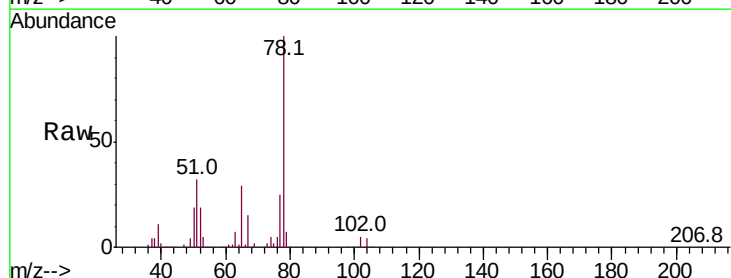
Manual Integrations
APPROVED

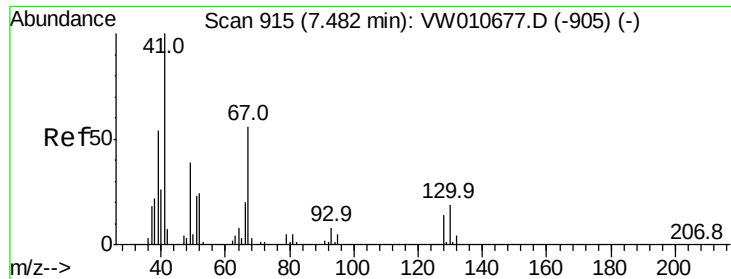
MMDadoda
6/11/2019 1:02:20 PM



#40
Benzene
Concen: 20.477 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	78	Resp	234284
Ion Ratio	100	Lower	Upper
78	100		
77	24.7	19.1	28.7





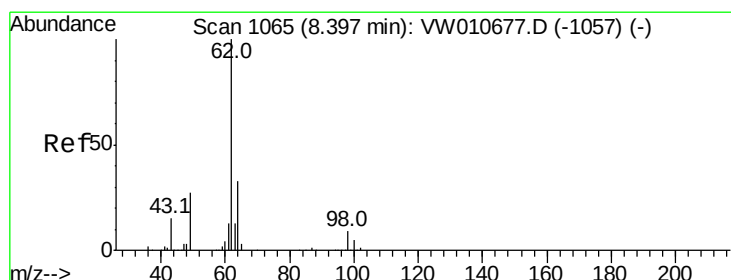
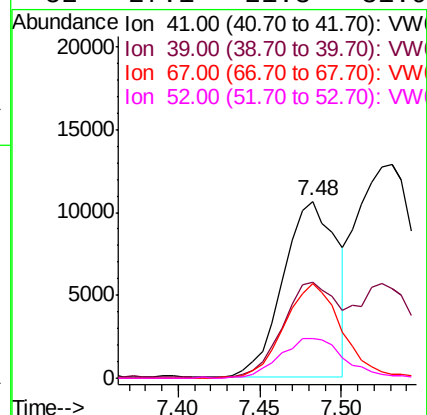
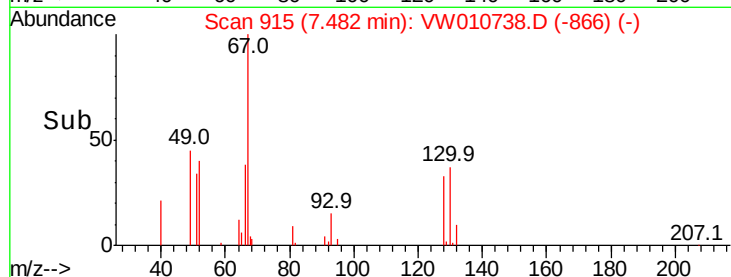
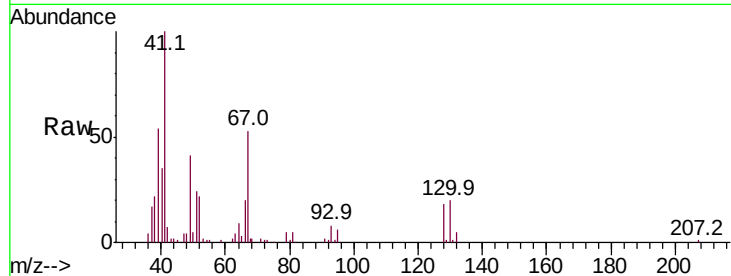
#41
Methacrylonitrile
Concen: 17.717 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.0	47.3	70.9
67	57.8	47.2	70.8
52	27.1	21.3	31.9

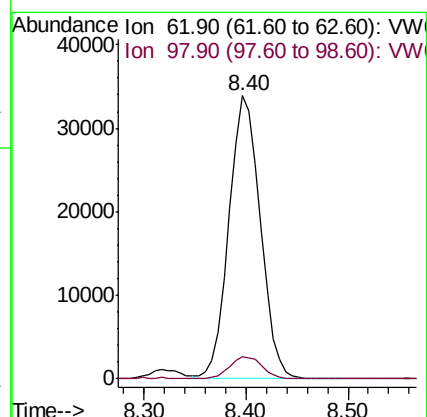
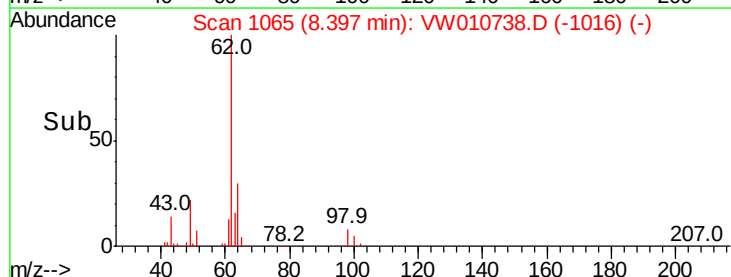
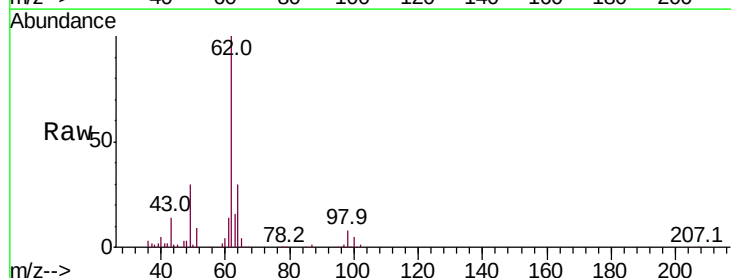
Manual Integrations
APPROVED

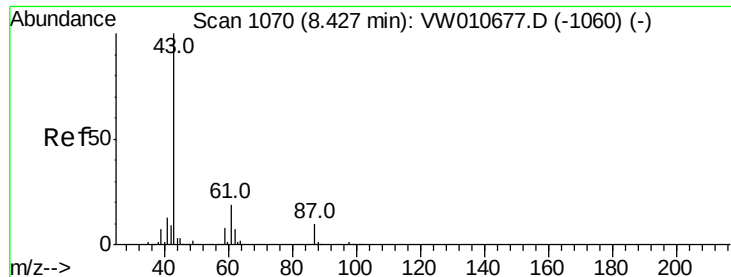
MMDadoda
6/11/2019 1:02:20 PM



#42
1,2-Dichloroethane
Concen: 19.944 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 17.750 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

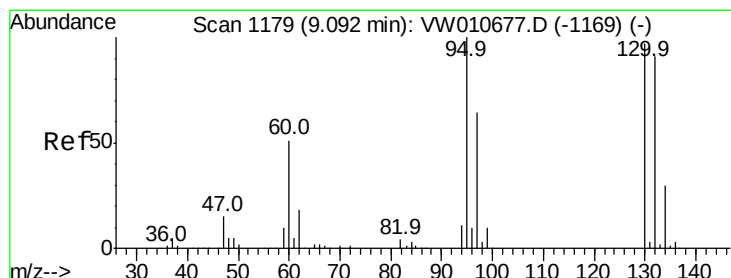
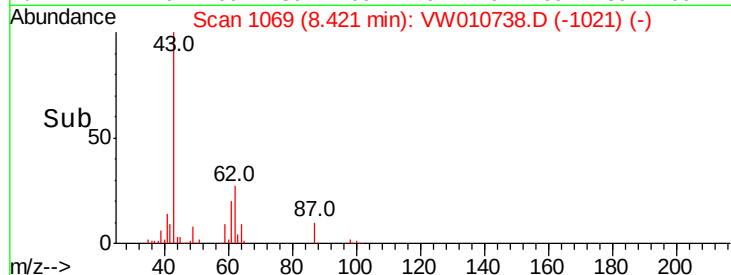
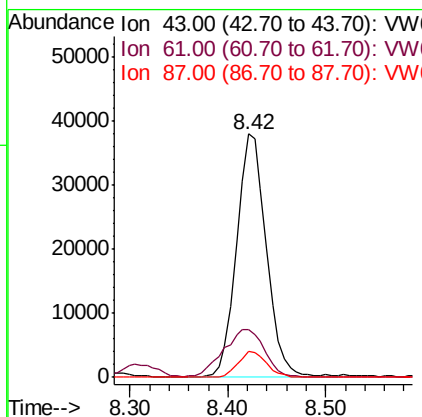
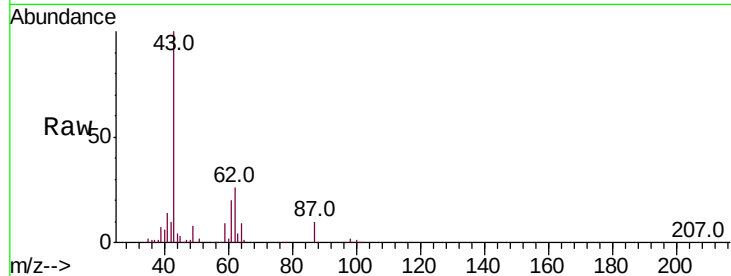
ClientSampleId :

VW0610SBS01

Tot Ion:	43	Resp:	79698
Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.2	31.8
87	10.2	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
6/11/2019 1:02:20 PM



#44

Trichloroethene

Concen: 20.581 ug/l

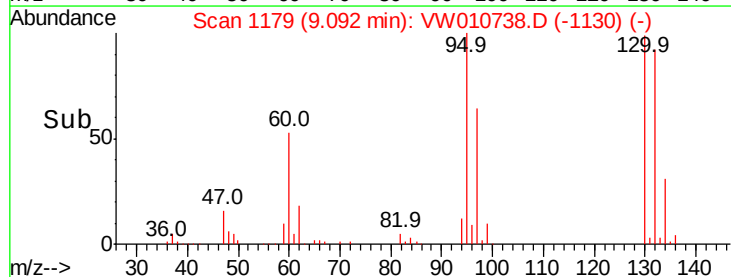
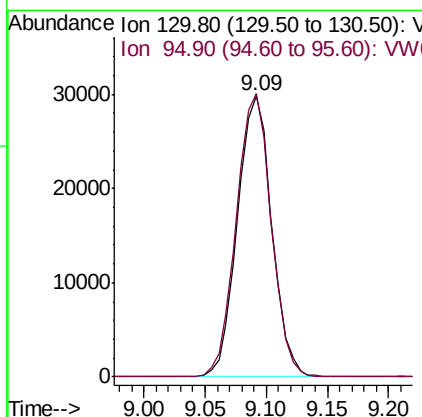
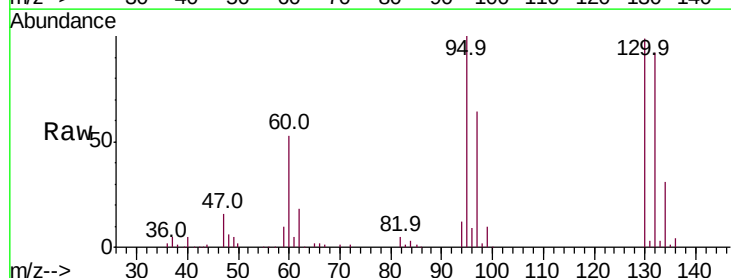
RT: 9.09 min Scan# 1179

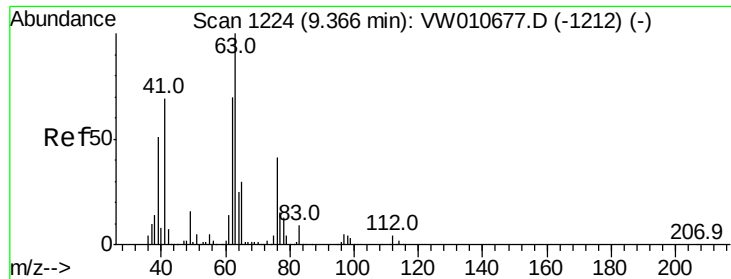
Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Tgt Ion:	130	Resp:	58086
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	207.0





#45

1,2-Dichloropropane

Concen: 20.541 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VW0610SBS01

Tot Ion: 63 Resp: 62214

Ion Ratio Lower Upper

63 100

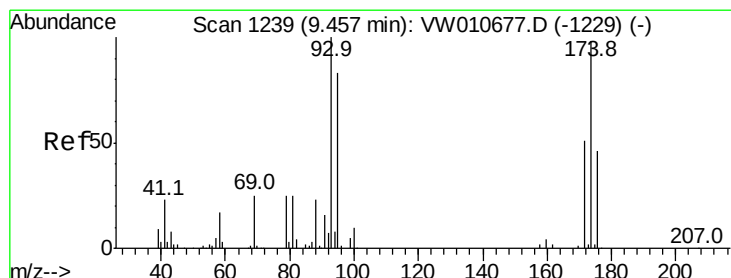
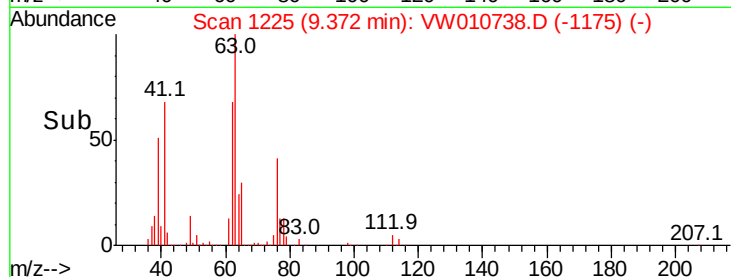
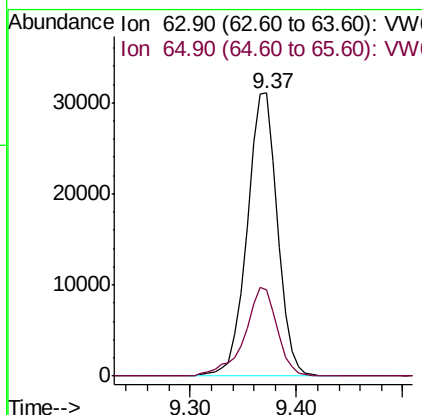
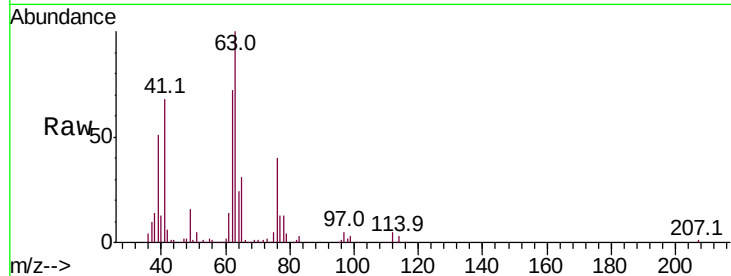
65 30.7 23.8 35.6

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



#46

Dibromomethane

Concen: 18.819 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

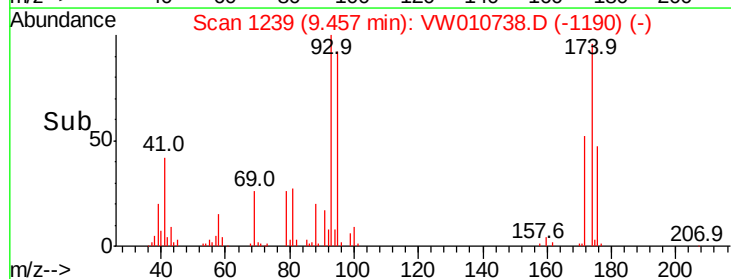
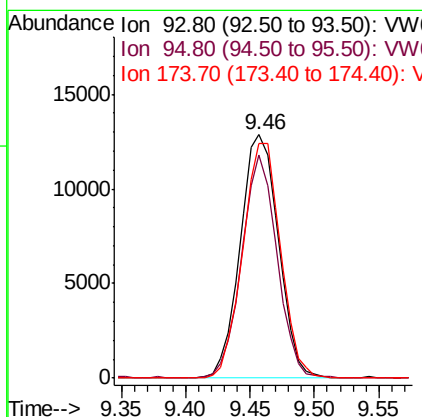
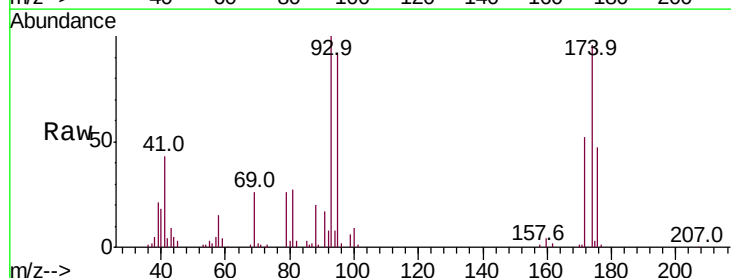
Tgt Ion: 93 Resp: 26474

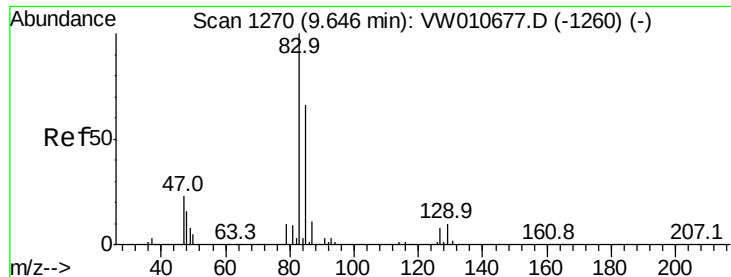
Ion Ratio Lower Upper

93 100

95 84.3 65.8 98.8

174 94.8 77.4 116.0





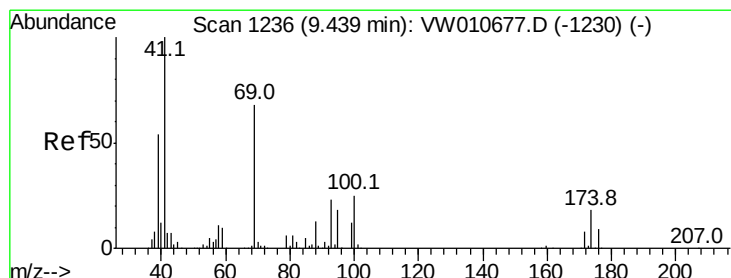
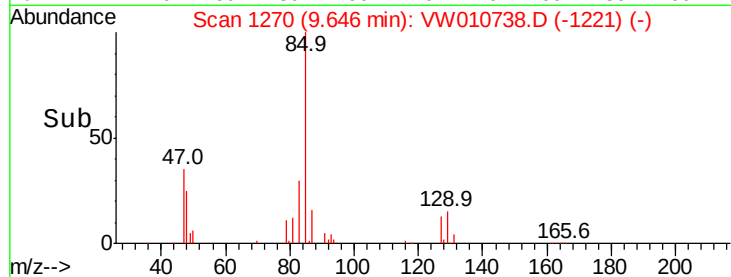
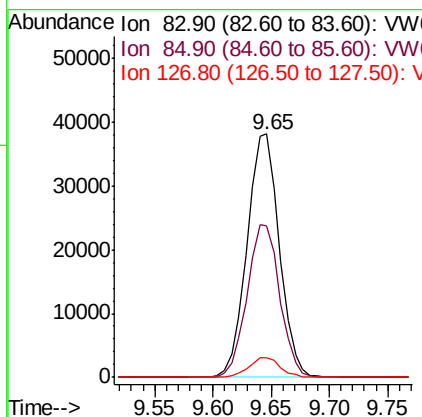
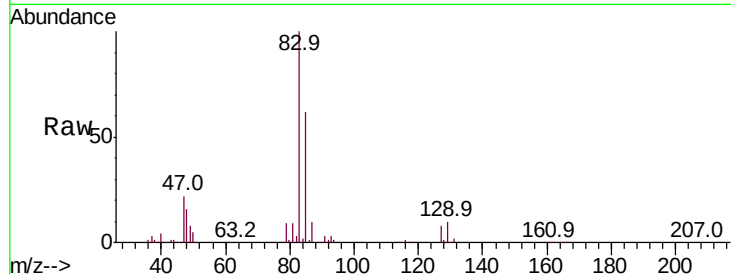
#47
Bromodichloromethane
Concen: 20.206 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.2	53.0	79.4	
127	7.8	6.4	9.6	

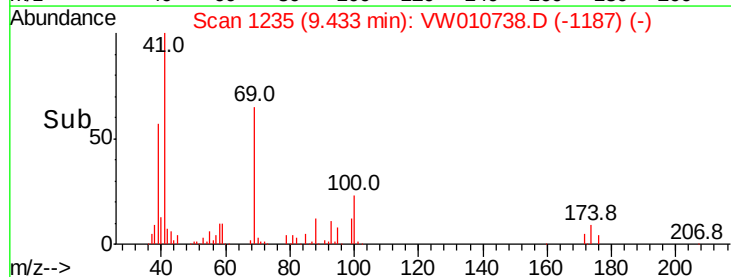
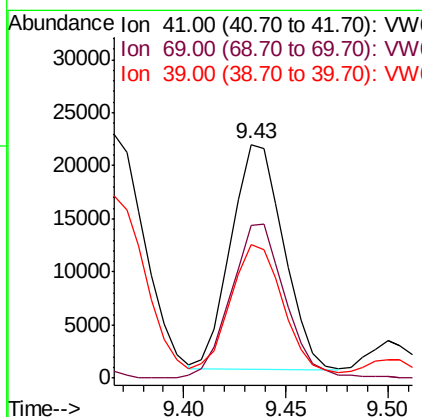
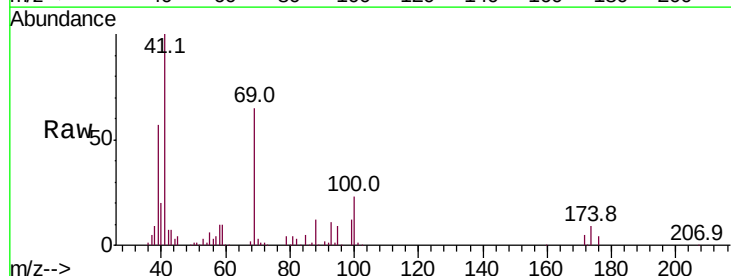
Manual Integrations
APPROVED

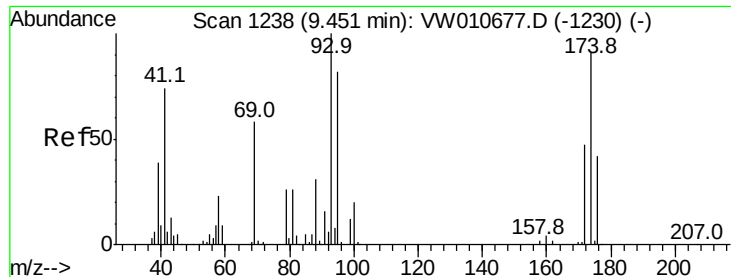
MMDadoda
6/11/2019 1:02:20 PM



#48
Methyl methacrylate
Concen: 17.639 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	70.5	56.6	85.0	
39	55.8	44.4	66.6	





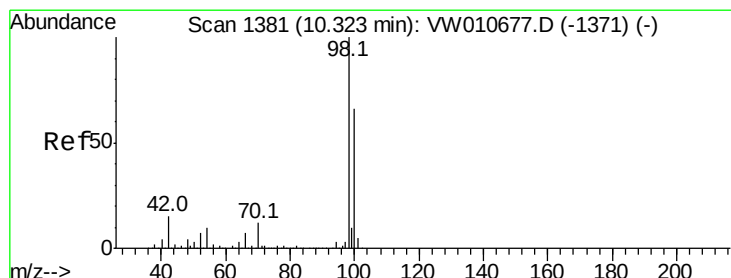
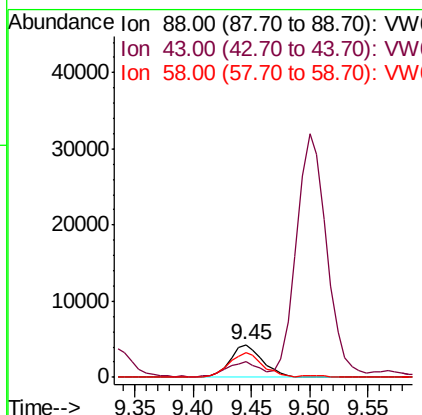
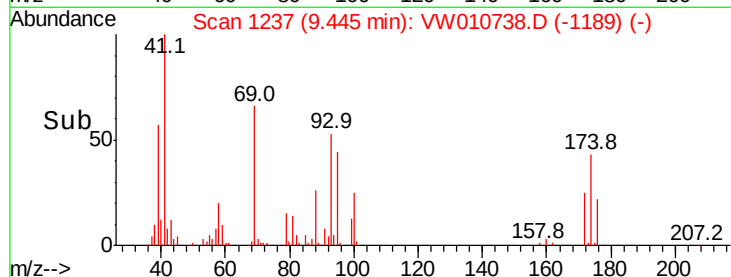
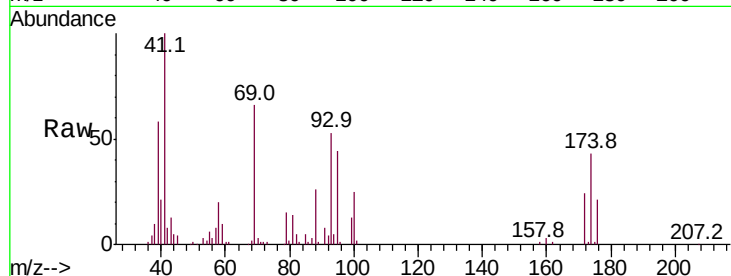
#49
1,4-Dioxane
Concen: 377.508 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampled :
VW0610SBS01

Tot Ion: 88 Resp: 8303
Ion Ratio Lower Upper
88 100
43 45.2 34.2 51.4
58 78.3 69.0 103.4

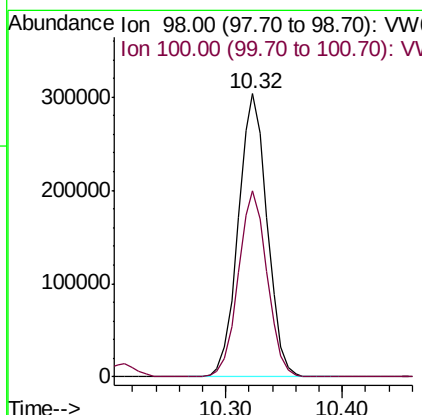
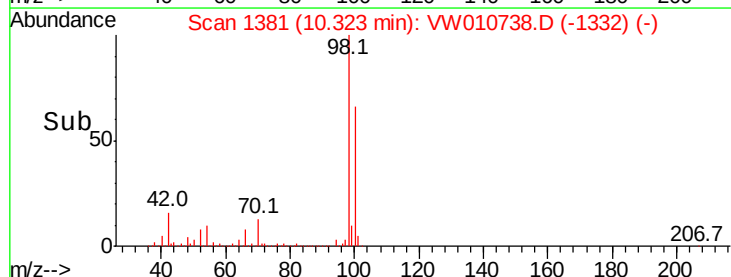
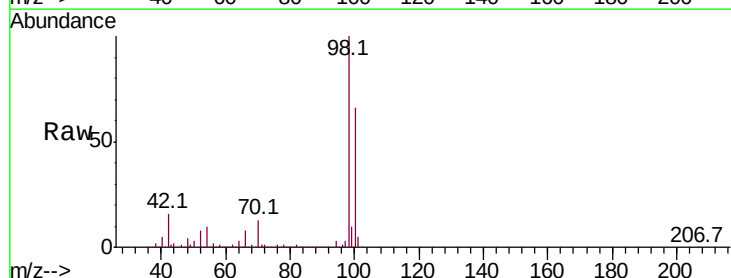
Manual Integrations
APPROVED

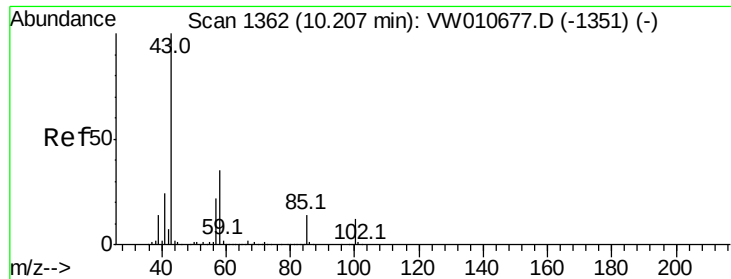
MMDadoda
6/11/2019 1:02:20 PM



#50
Toluene-d8
Concen: 53.628 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion: 98 Resp: 522989
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 87.368 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampled :

VW0610SBS01

Tot Ion: 43 Resp: 200405

Ion Ratio Lower Upper

43 100

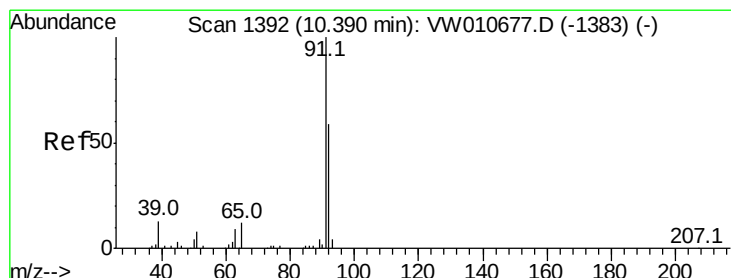
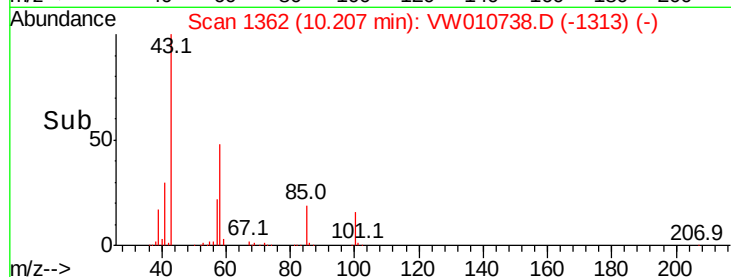
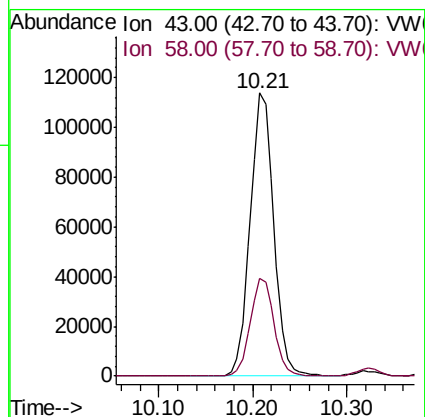
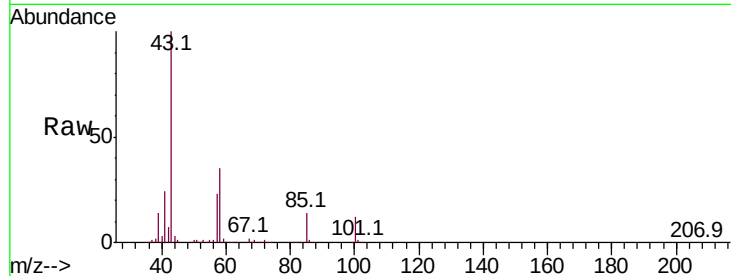
58 34.9 28.4 42.6

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



#52

Toluene

Concen: 20.478 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010738.D

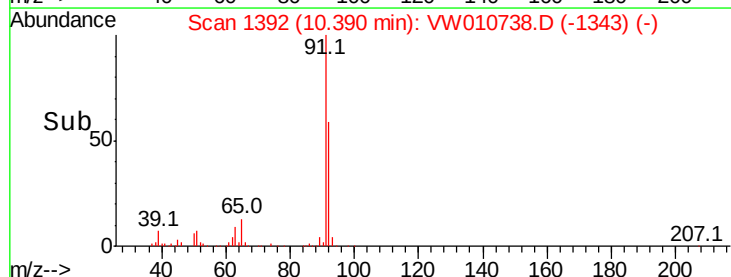
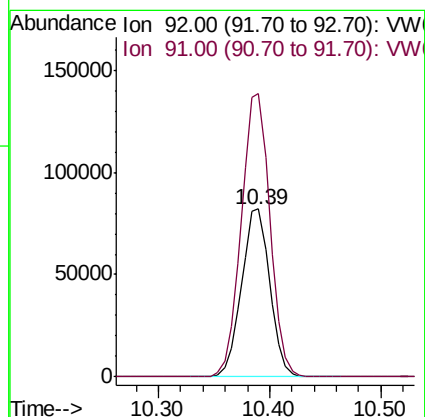
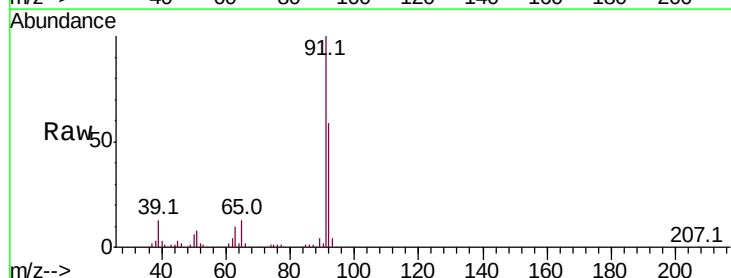
Acq: 10 Jun 2019 12:01

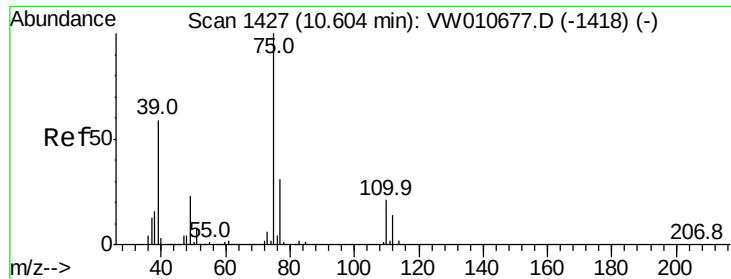
Tgt Ion: 92 Resp: 144159

Ion Ratio Lower Upper

92 100

91 171.5 134.9 202.3





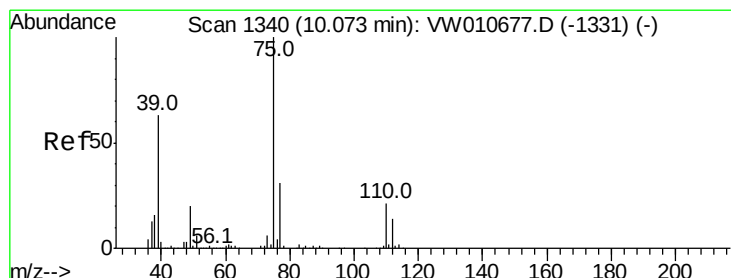
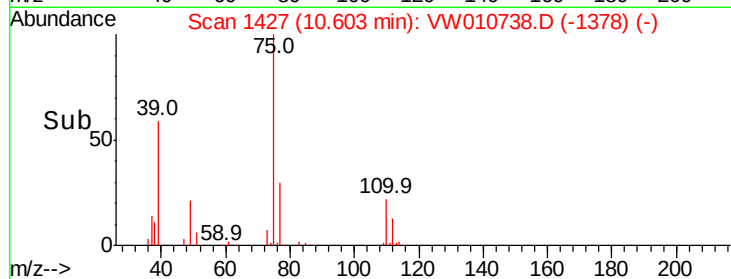
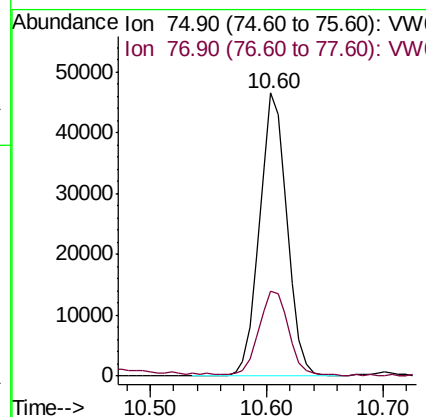
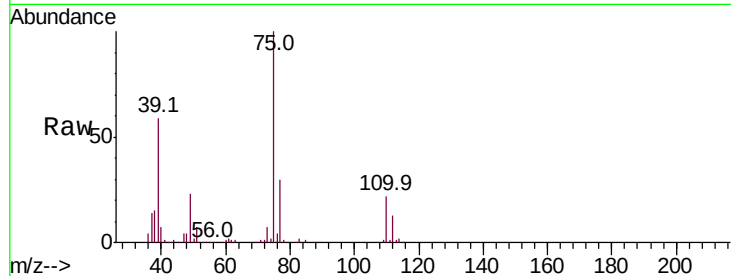
#53
 t-1,3-Dichloropropene
 Concen: 19.862 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Tot Ion: 75 Resp: 76715
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.6 36.8

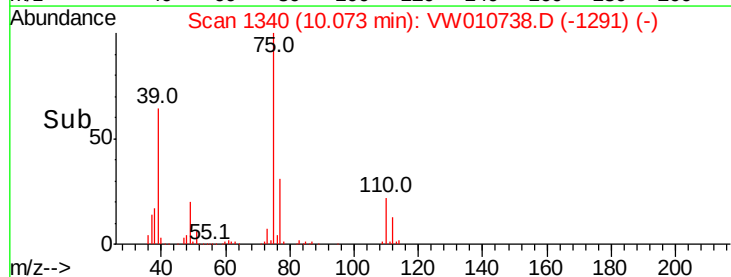
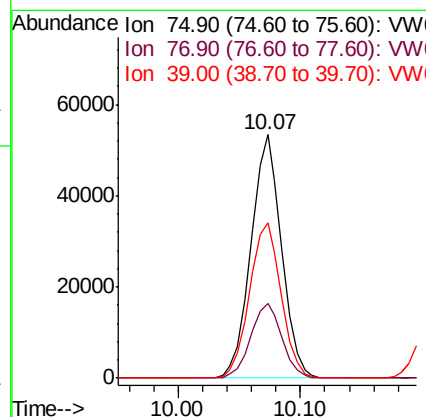
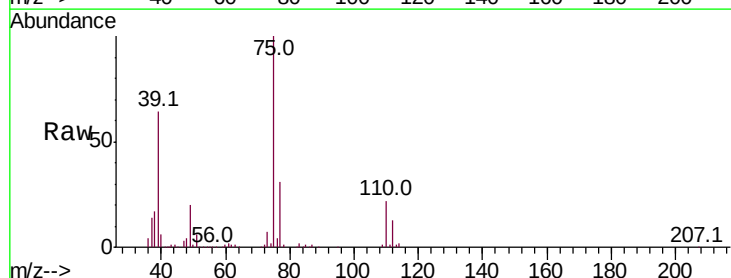
Manual Integrations
 APPROVED

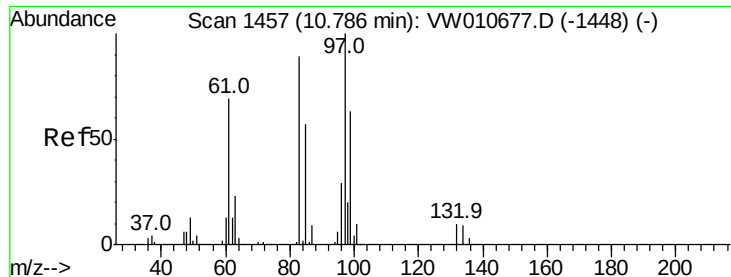
MMDadoda
 6/11/2019 1:02:20 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.358 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Tgt Ion: 75 Resp: 92529
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.2 37.8
 39 63.7 50.1 75.1





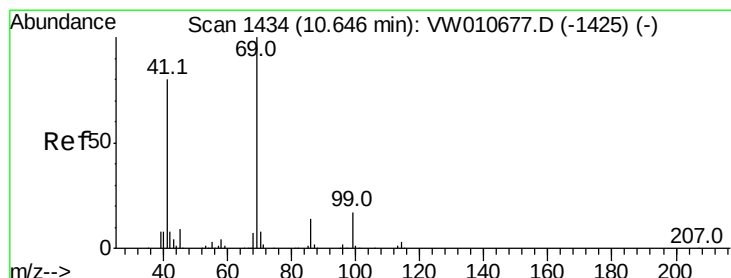
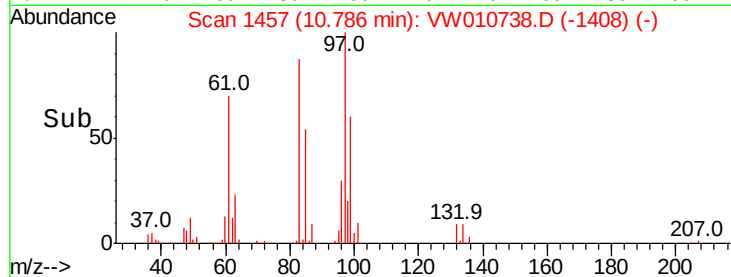
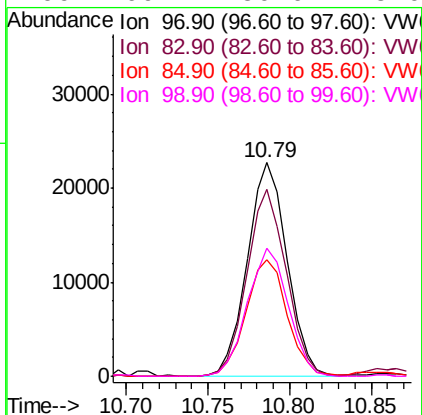
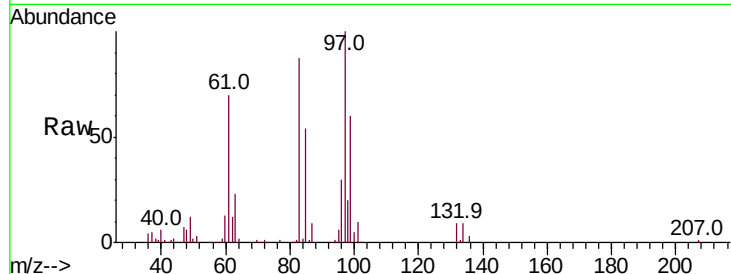
#55
 1,1,2-Trichloroethane
 Concen: 18.979 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Tot Ion:	97	Resp:	38462
Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.1	106.7
85	54.3	45.2	67.8
99	60.2	50.0	75.0

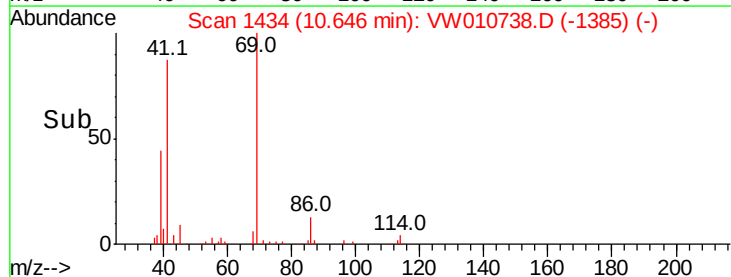
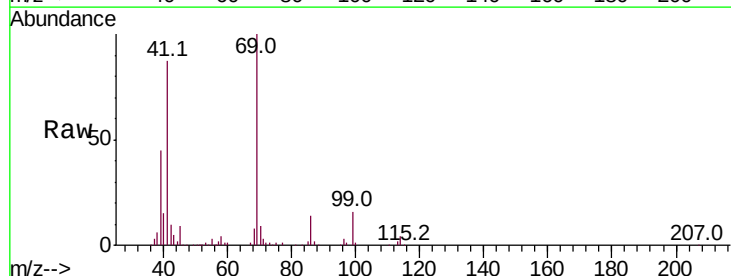
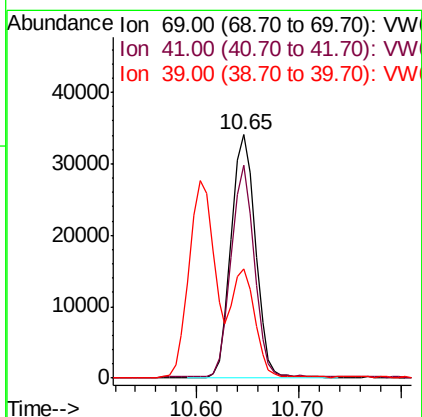
Manual Integrations
 APPROVED

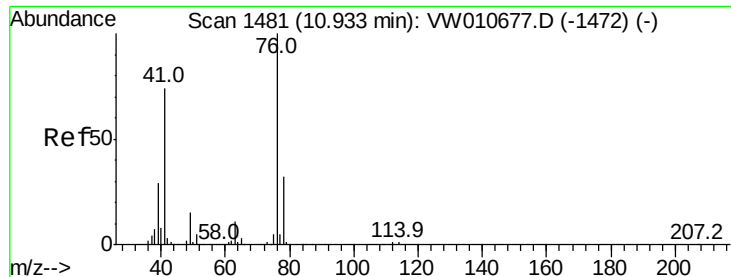
MMDadoda
 6/11/2019 1:02:20 PM



#56
 Ethyl methacrylate
 Concen: 18.170 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Tgt Ion:	69	Resp:	56660
Ion	Ratio	Lower	Upper
69	100		
41	84.0	64.8	97.2
39	41.6	32.2	48.2





#57

1,3-Dichloropropane

Concen: 19.011 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampled :

VW0610SBS01

Tot Ion: 76 Resp: 72608

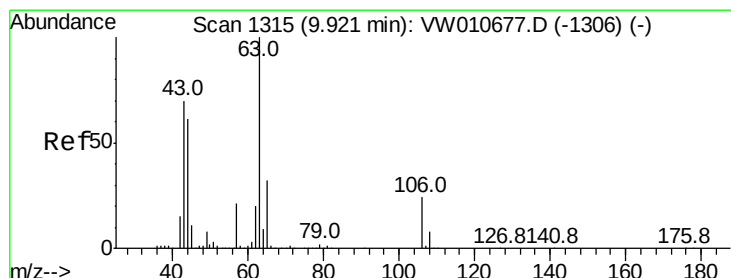
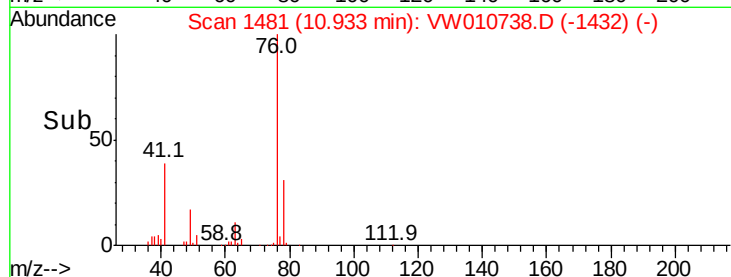
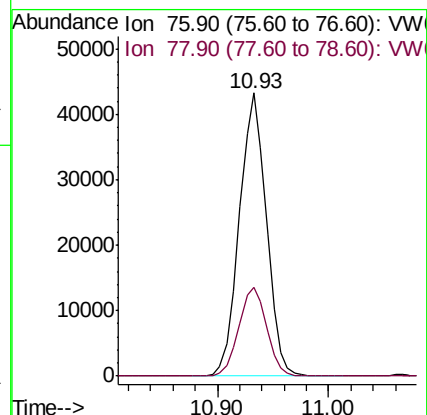
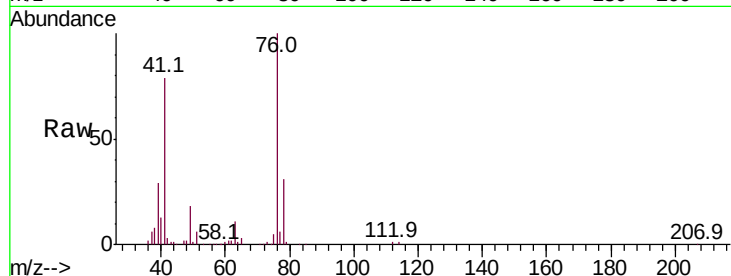
Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
6/11/2019 1:02:20 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.521 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW010738.D

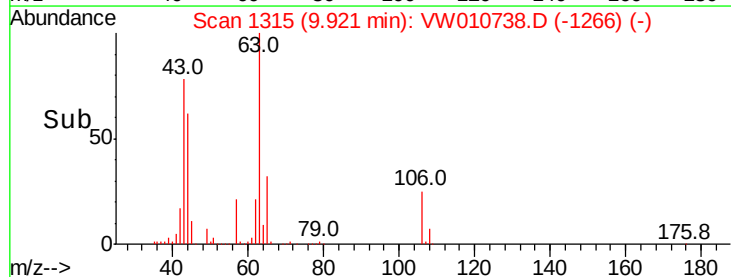
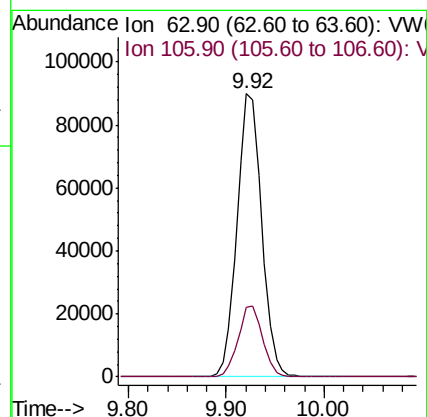
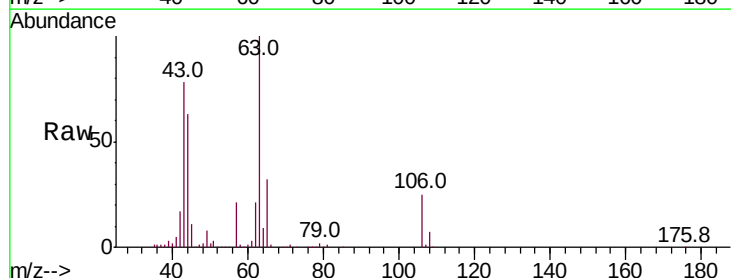
Acq: 10 Jun 2019 12:01

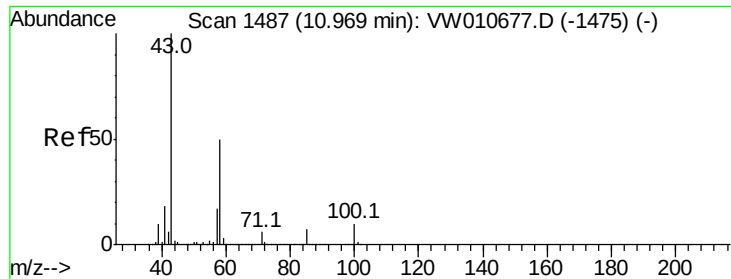
Tgt Ion: 63 Resp: 157652

Ion Ratio Lower Upper

63 100

106 24.8 20.1 30.1





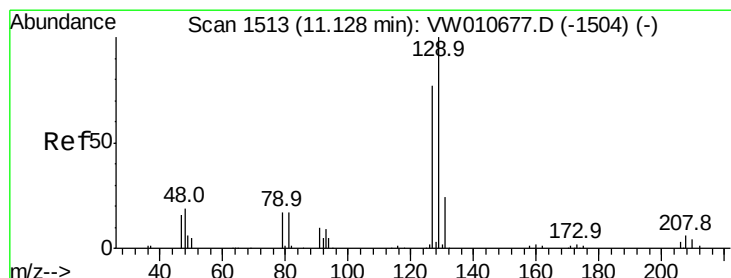
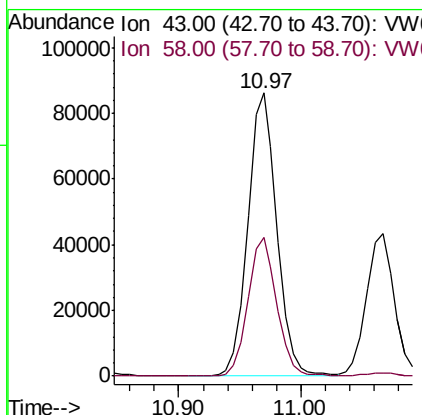
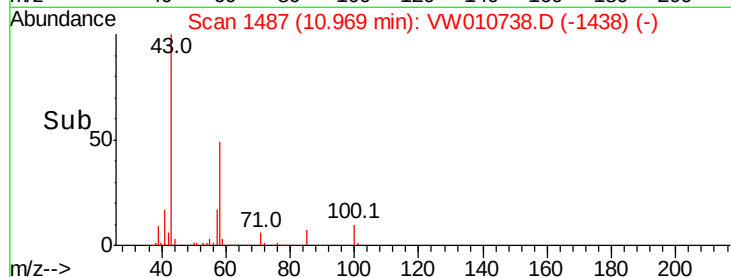
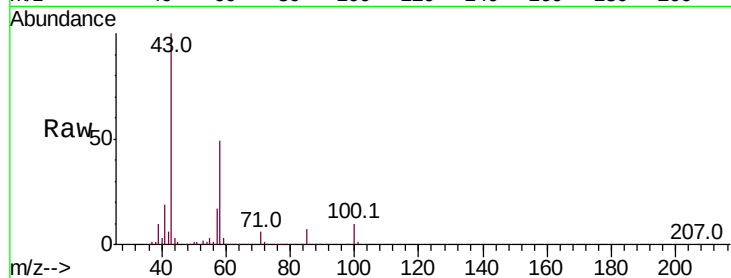
#59
2-Hexanone
Concen: 85.504 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampled :
VW0610SBS01

Tot Ion: 43 Resp: 141747
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6

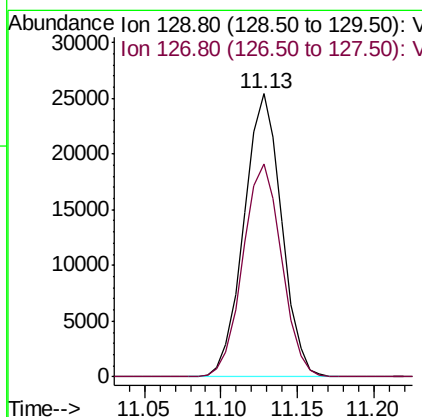
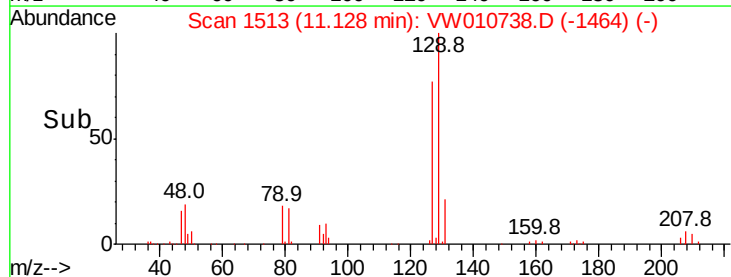
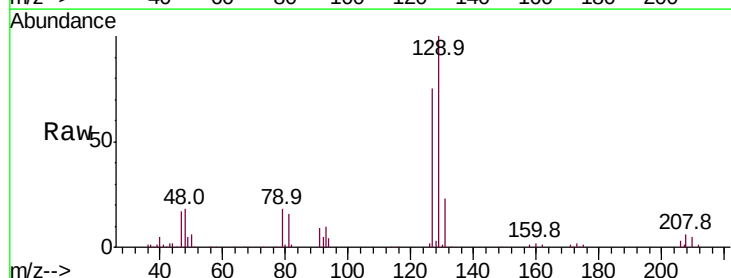
Manual Integrations
APPROVED

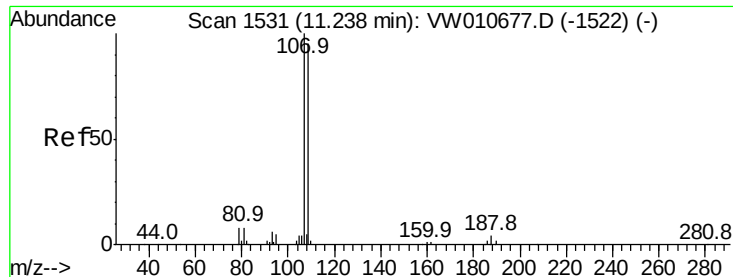
MMDadoda
6/11/2019 1:02:20 PM



#60
Dibromochloromethane
Concen: 19.360 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion: 129 Resp: 43494
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





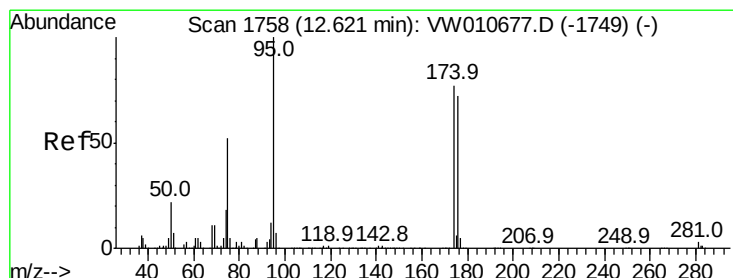
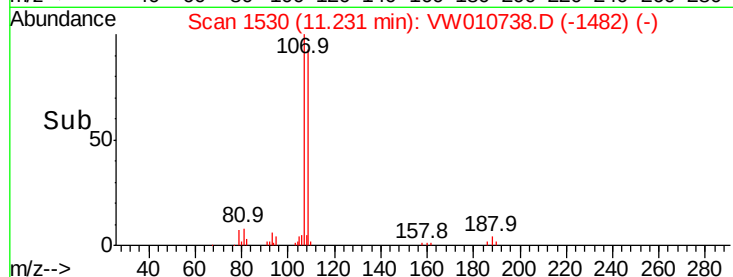
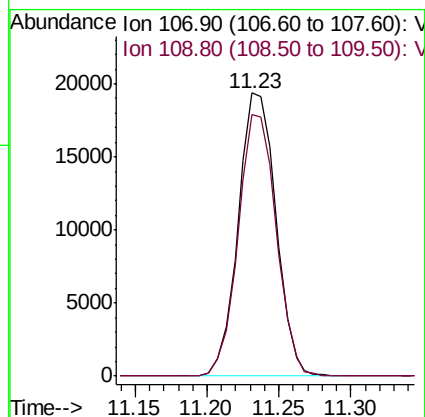
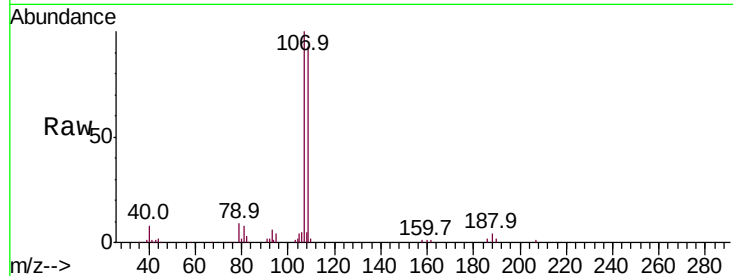
#61
 1,2-Dibromoethane
 Concen: 18.314 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.8	113.8

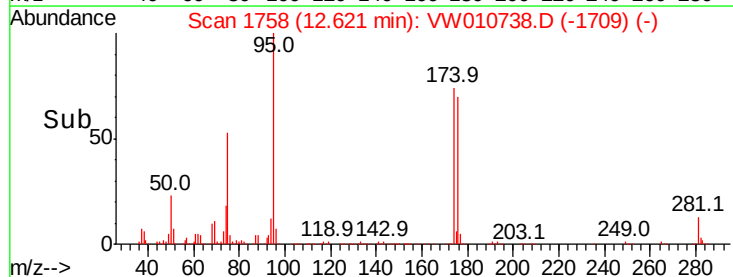
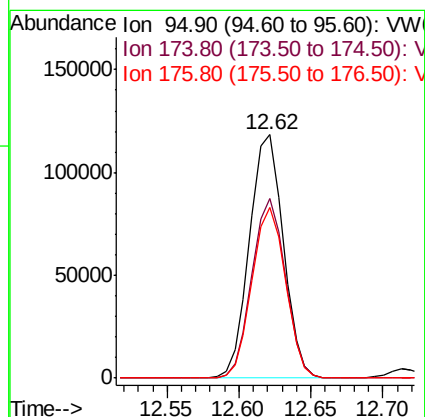
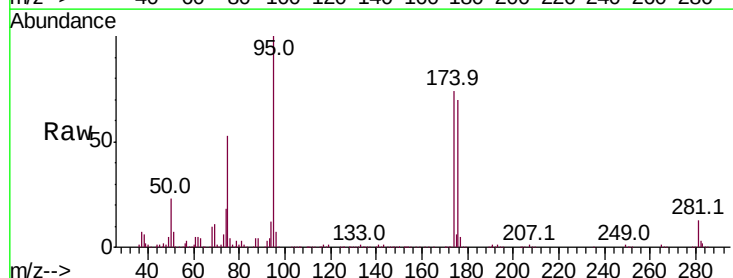
Manual Integrations
 APPROVED

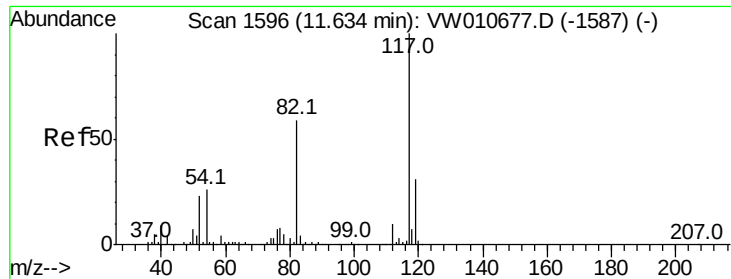
MMDadoda
 6/11/2019 1:02:20 PM



#62
 4-Bromofluorobenzene
 Concen: 54.172 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	150.4
176	69.8	0.0	144.8





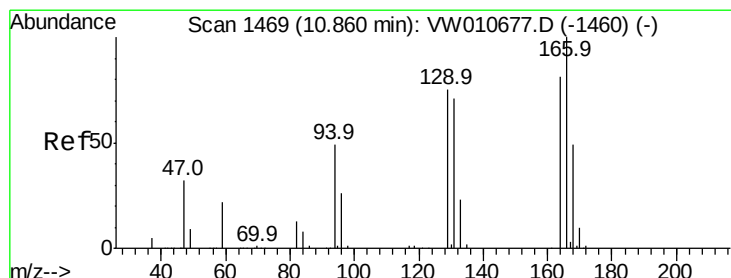
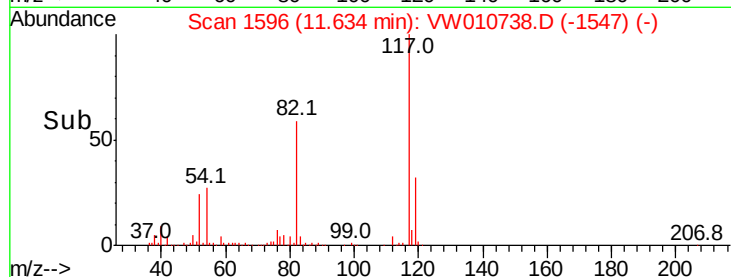
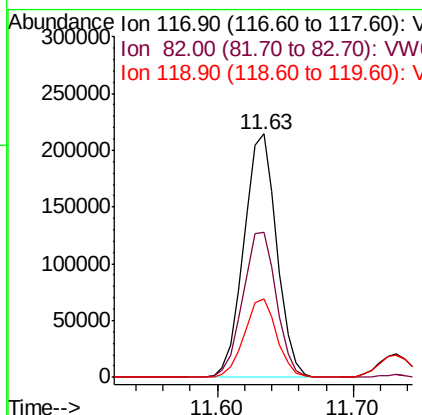
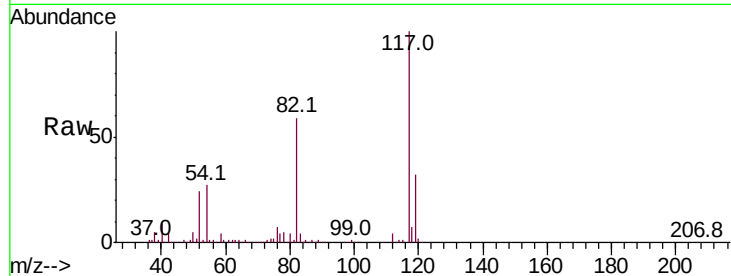
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	59.3	47.0	70.4	
119	32.4	25.1	37.7	

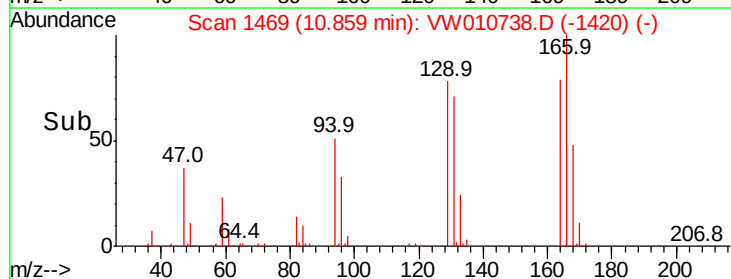
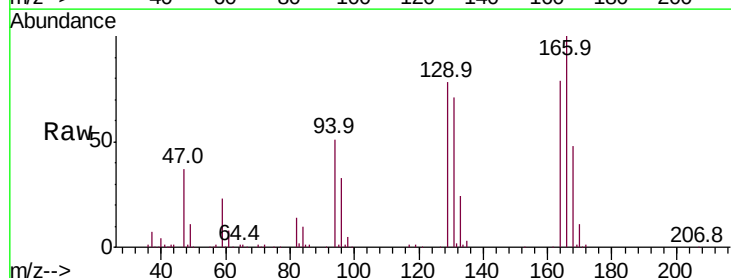
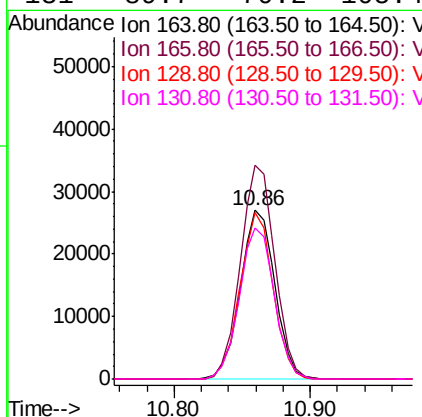
Manual Integrations
APPROVED

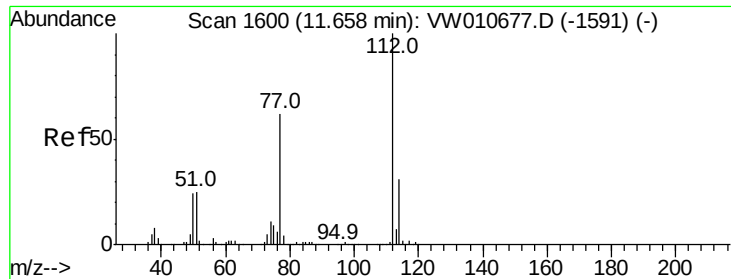
MMDadoda
6/11/2019 1:02:20 PM



#64
Tetrachloroethene
Concen: 19.775 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.6	99.2	148.8	
129	98.5	74.6	112.0	
131	89.7	70.2	105.4	





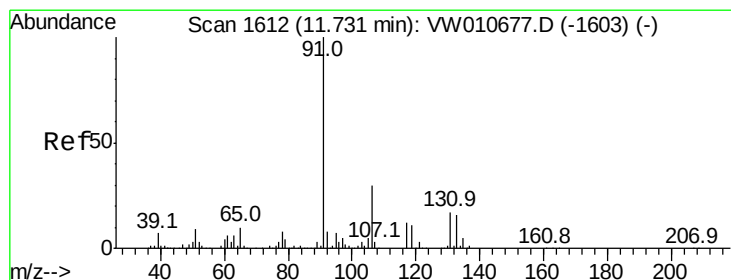
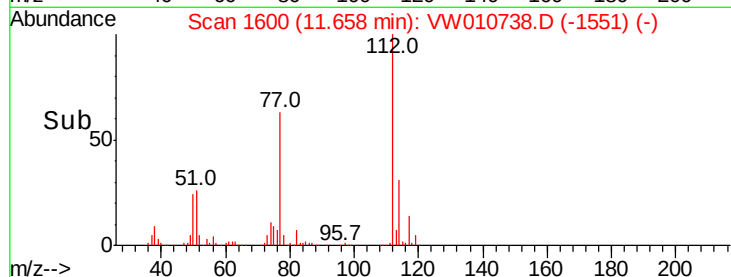
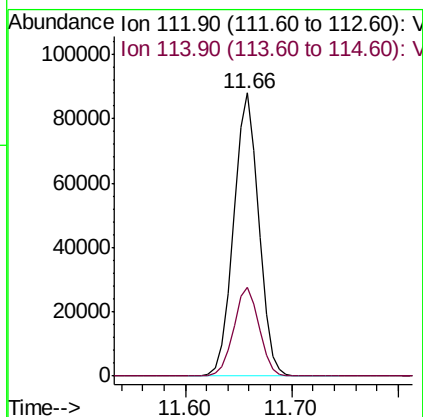
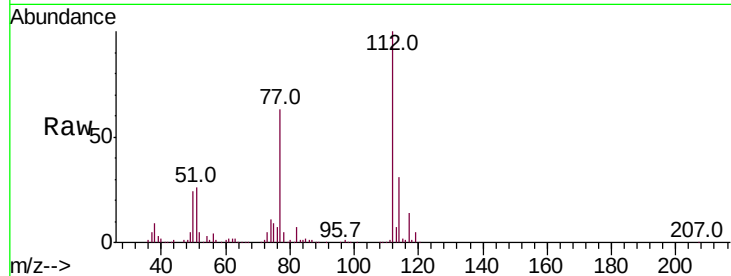
#65
Chlorobenzene
Concen: 20.422 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.8	37.2

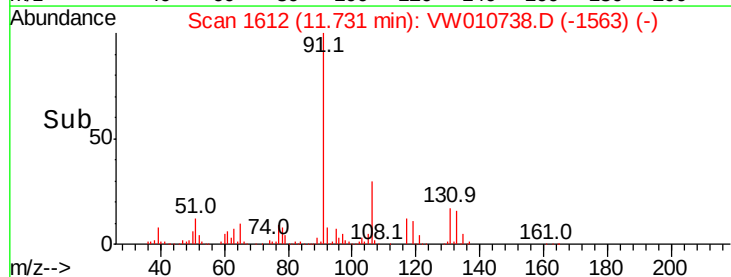
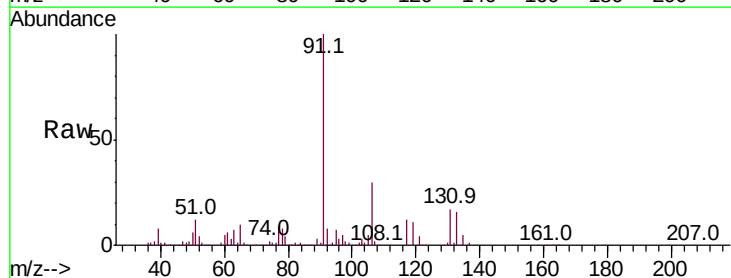
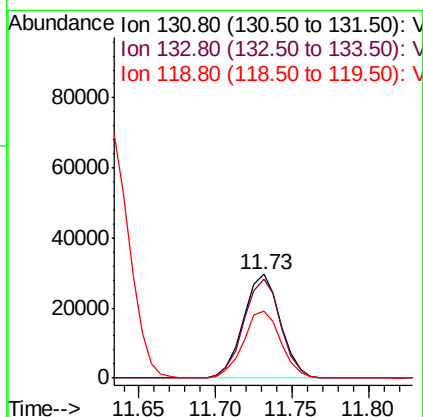
Manual Integrations
APPROVED

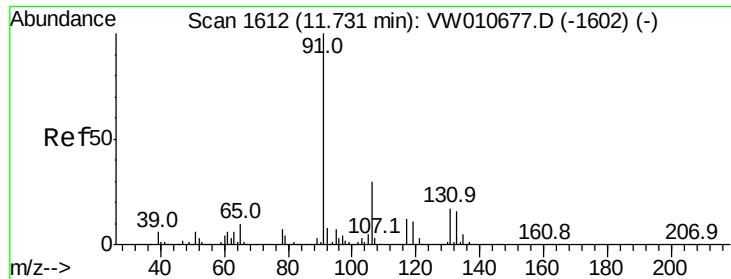
MMDadoda
6/11/2019 1:02:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.264 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.3	141.9
119	65.3	32.4	97.0





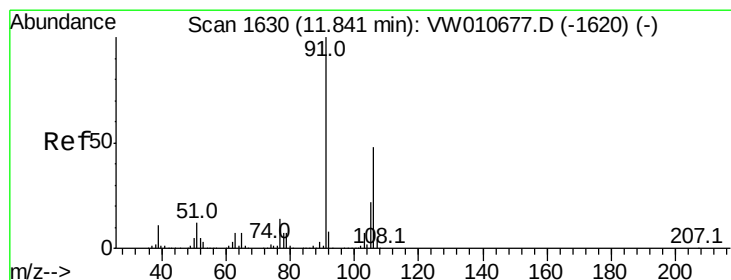
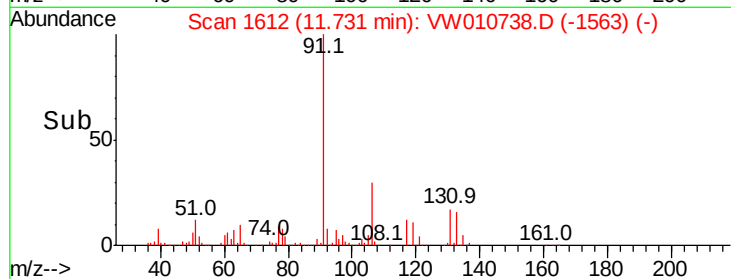
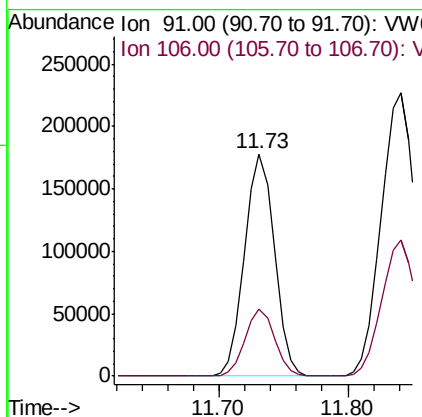
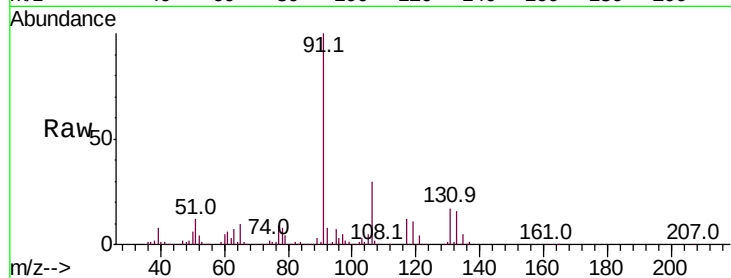
#67
Ethyl Benzene
Concen: 20.831 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampled :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.2	36.4

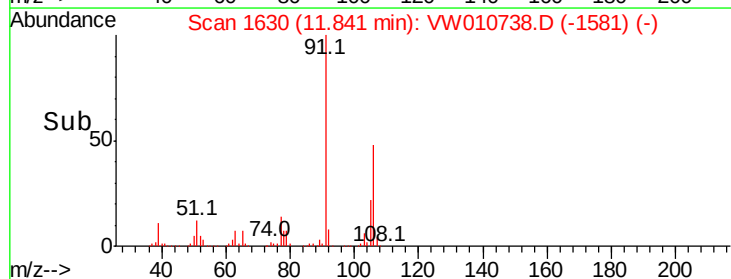
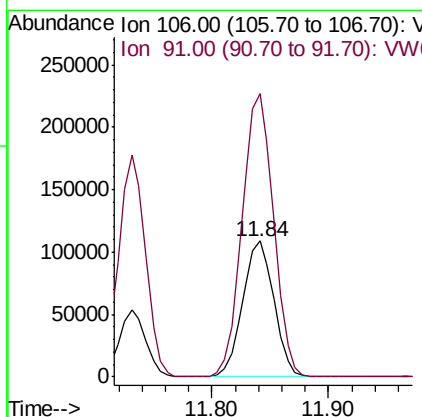
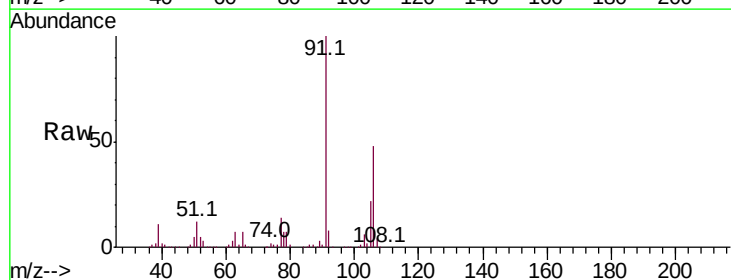
Manual Integrations
APPROVED

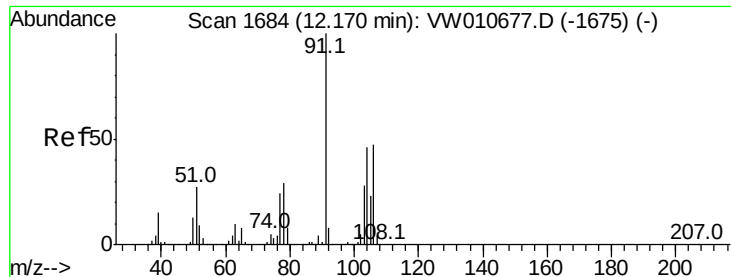
MMDadoda
6/11/2019 1:02:20 PM



#68
m/p-Xylenes
Concen: 41.513 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.2	166.5	249.7





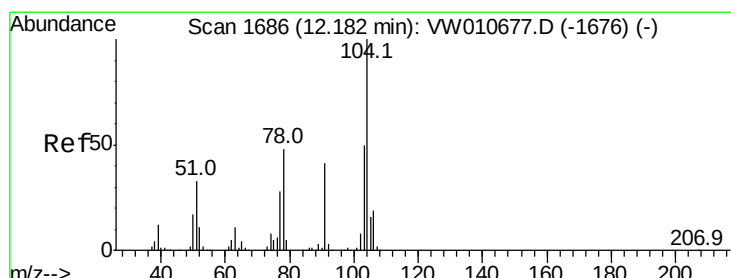
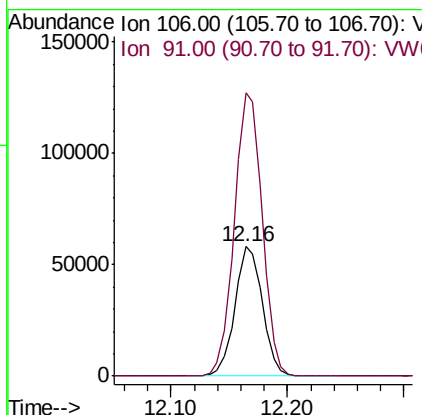
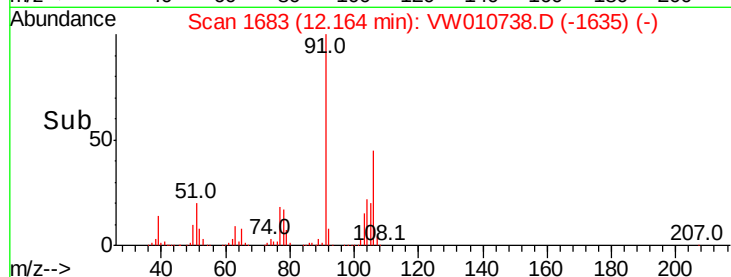
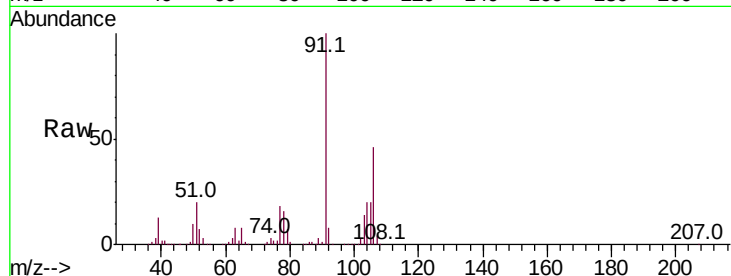
#69
o-Xylene
Concen: 20.507 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampled :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.8	108.9	326.6

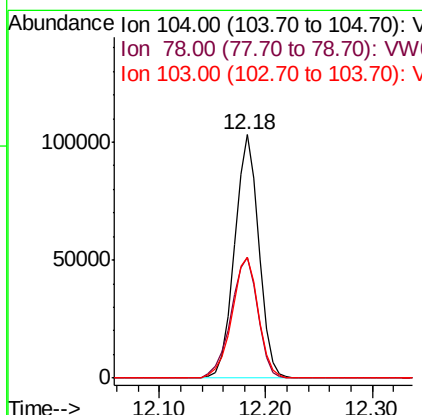
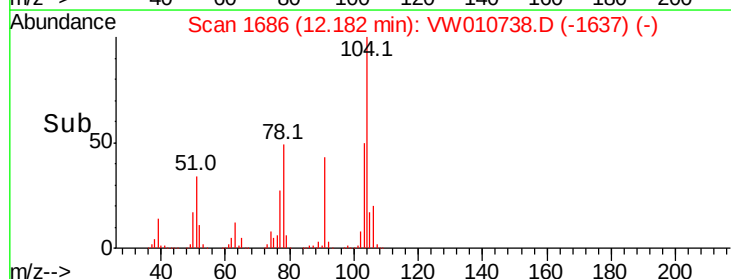
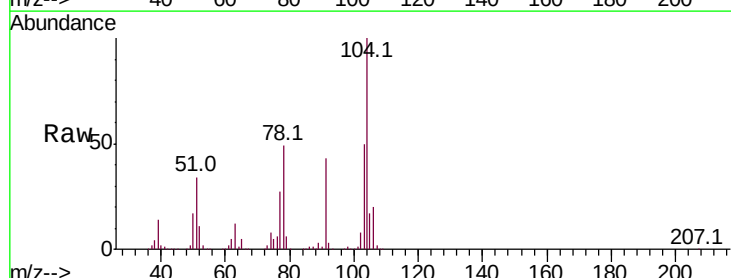
Manual Integrations
APPROVED

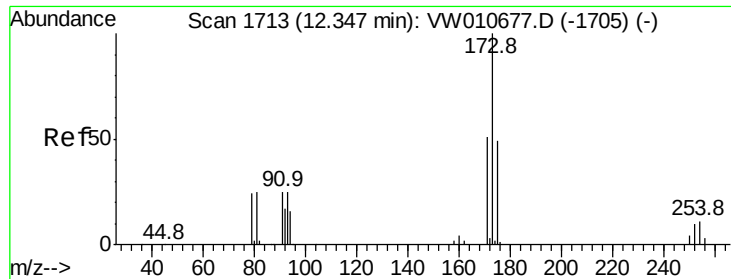
MMDadoda
6/11/2019 1:02:20 PM



#70
Styrene
Concen: 20.406 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.6	42.7	64.1
103	54.0	43.6	65.4





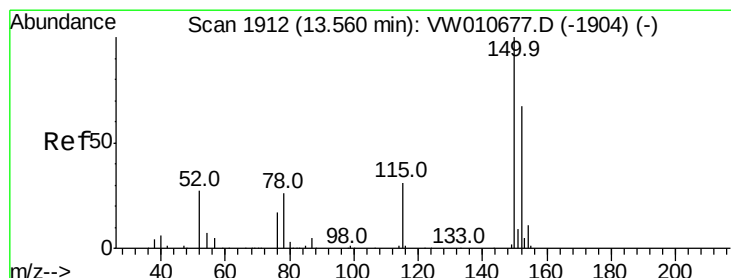
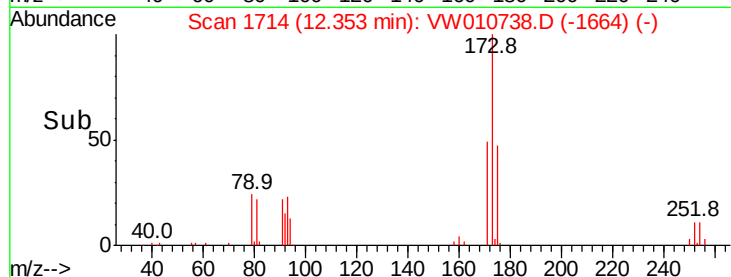
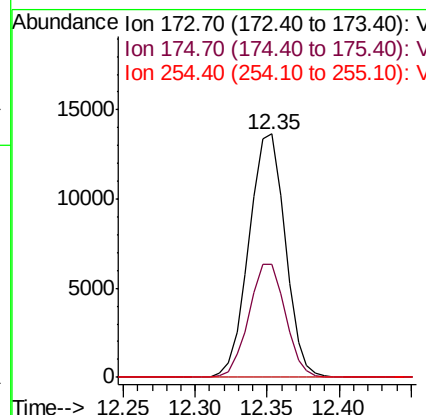
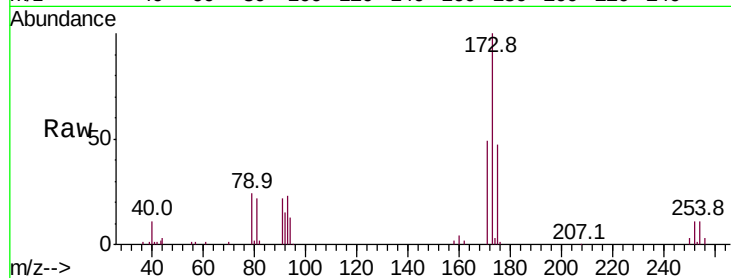
#71
Bromoform
Concen: 18.653 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.3	72.8
254	0.0	0.1	0.1#

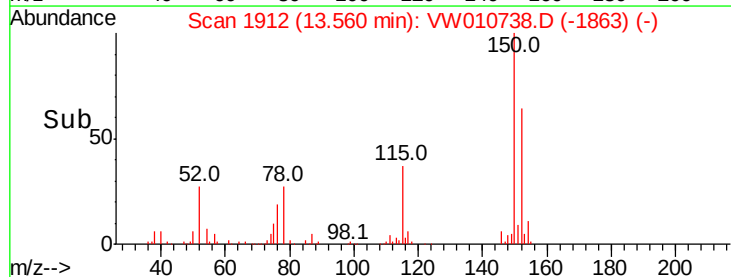
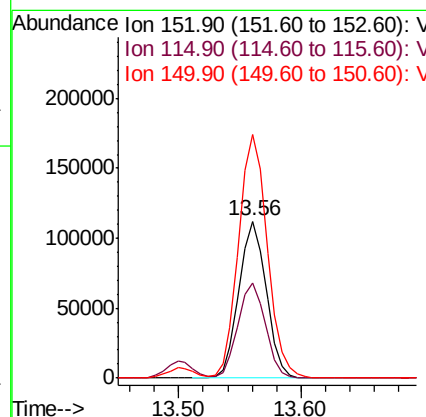
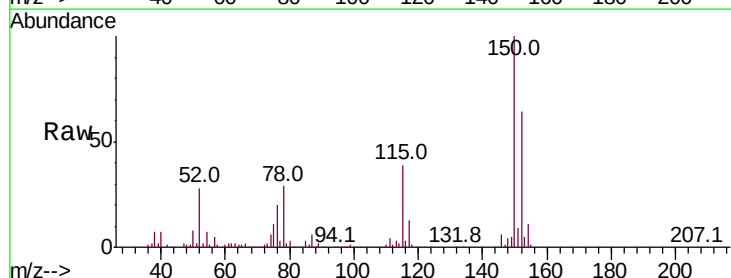
Manual Integrations
APPROVED

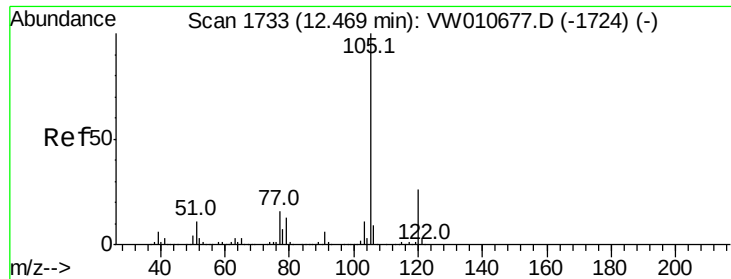
MMDadoda
6/11/2019 1:02:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	29.8	89.3
150	163.0	0.0	345.0





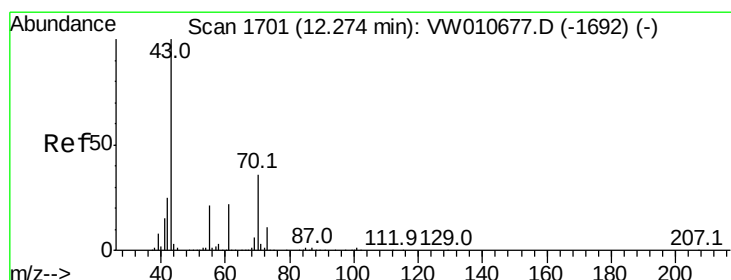
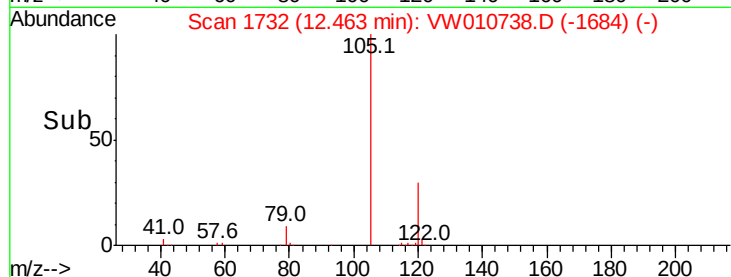
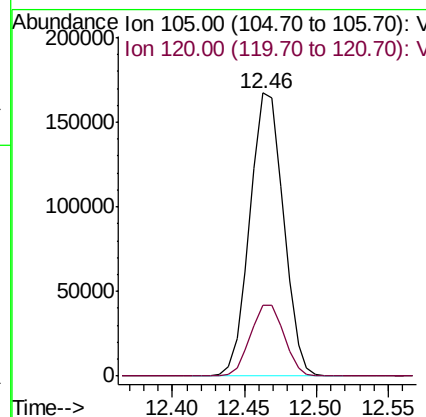
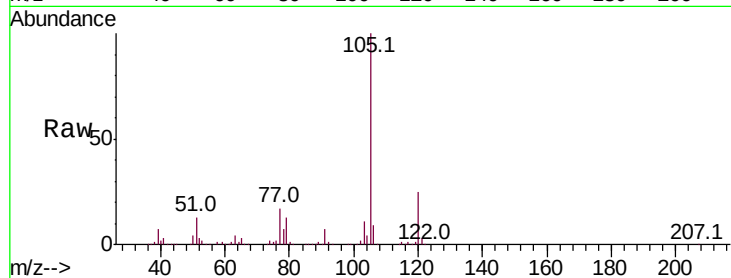
#73
Isopropylbenzene
Concen: 20.759 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.1	39.1

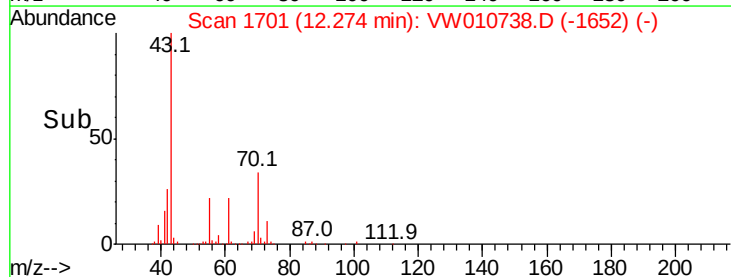
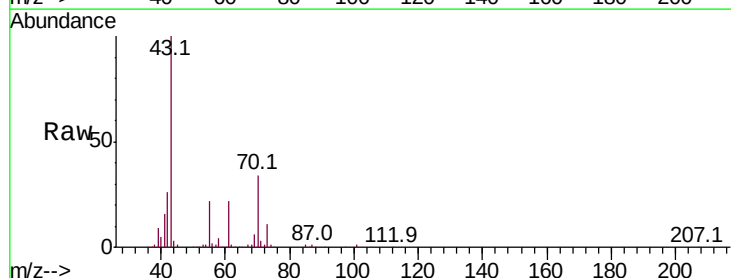
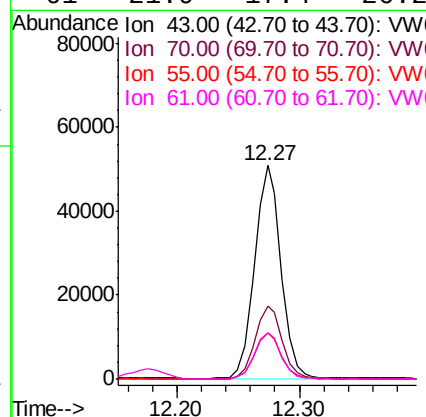
Manual Integrations
APPROVED

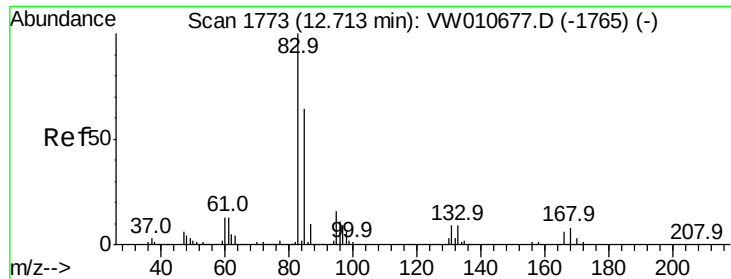
MMDadoda
6/11/2019 1:02:20 PM



#74
N-ethyl acetate
Concen: 18.192 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.1	29.2	43.8
55	22.3	17.5	26.3
61	21.9	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.674 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

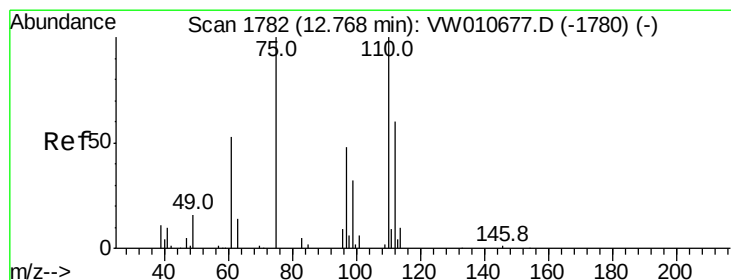
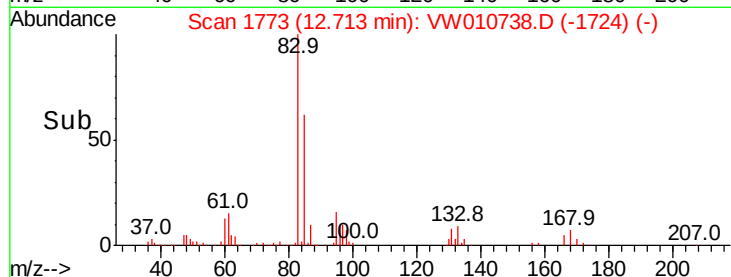
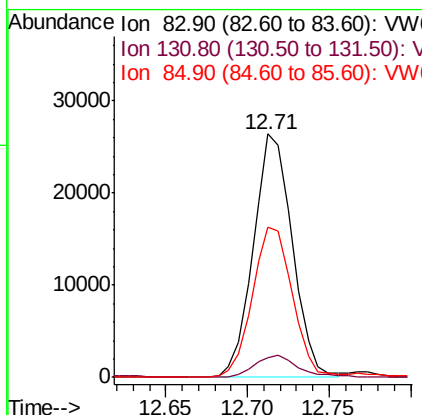
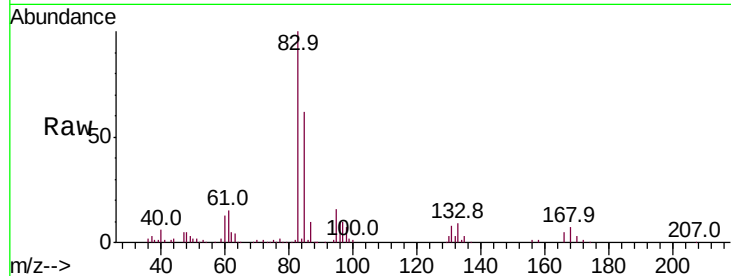
ClientSampleId :

VW0610SBS01

Tot Ion:	83	Resp:	43738
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	63.5	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
6/11/2019 1:02:20 PM



#76

1,2,3-Trichloropropane

Concen: 17.606 ug/l m

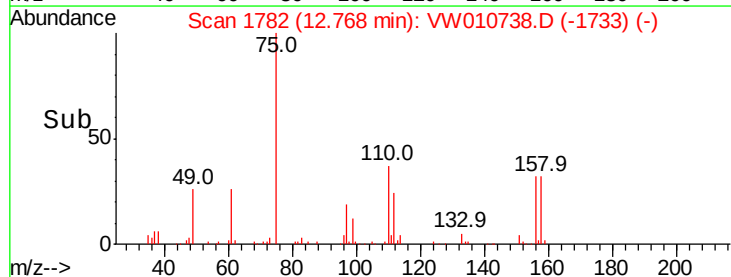
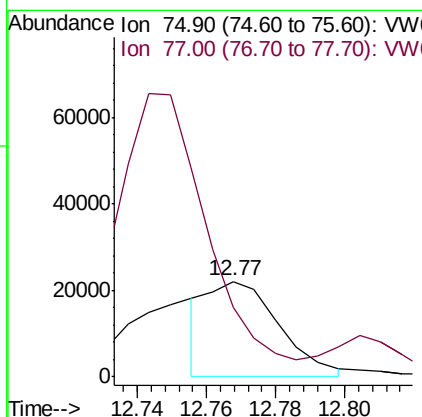
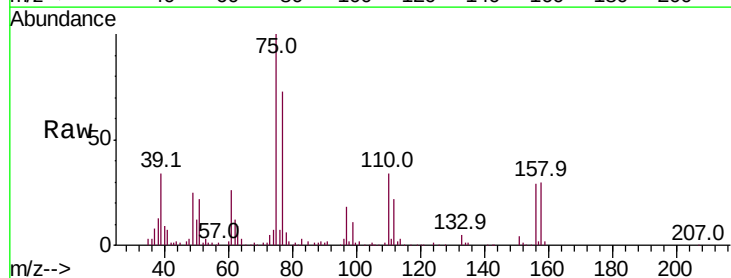
RT: 12.77 min Scan# 1782

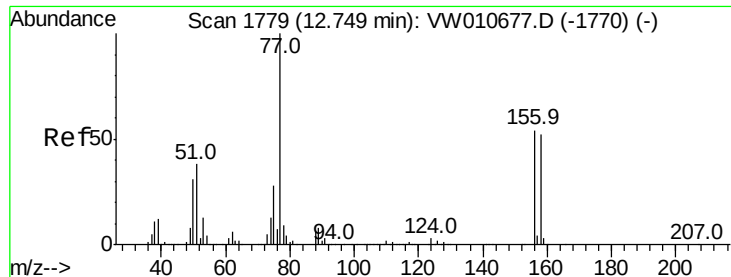
Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Tgt Ion:	75	Resp:	31982
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.888 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VW0610SBS01

Tot Ion:156 Resp: 56432

Ion Ratio Lower Upper

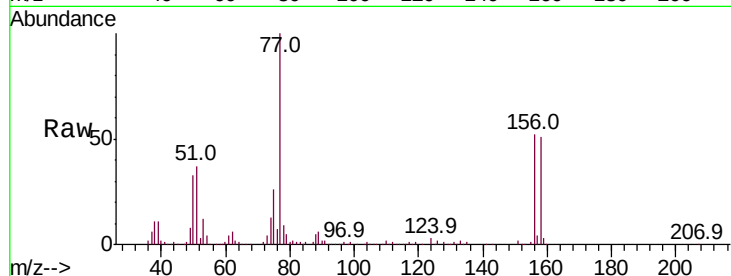
156 100

77 215.5 106.5 319.4

158 97.9 48.3 144.9

Manual Integrations
APPROVED

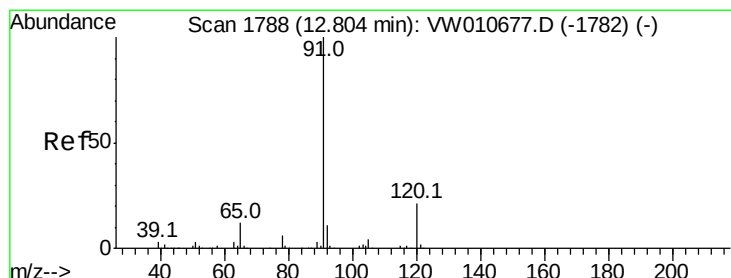
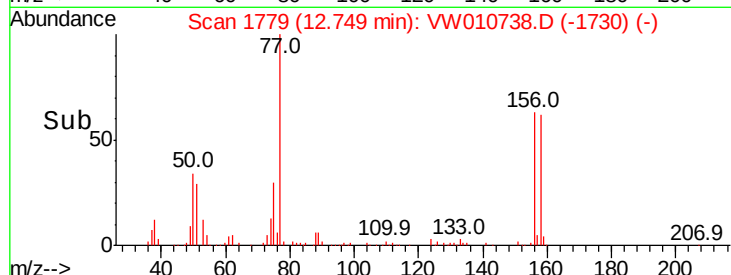
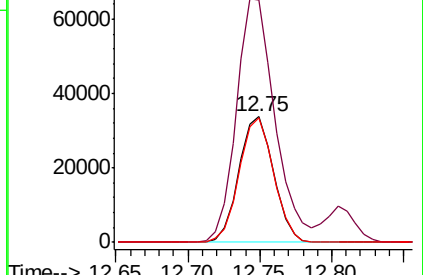
MMDadoda
6/11/2019 1:02:20 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.062 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010738.D

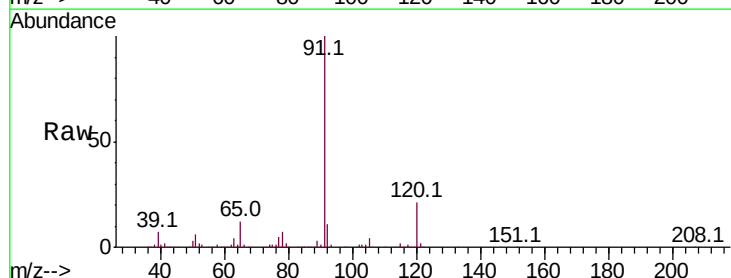
Acq: 10 Jun 2019 12:01

Tgt Ion: 91 Resp: 330122

Ion Ratio Lower Upper

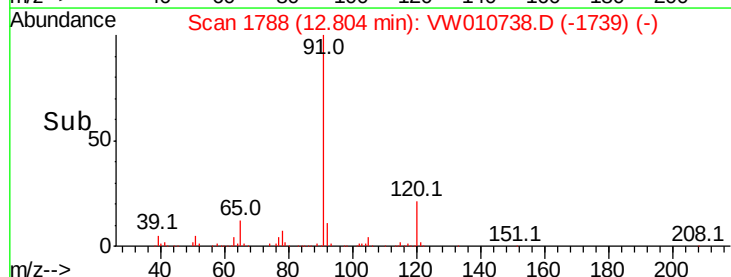
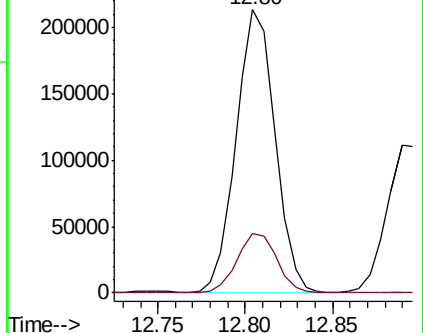
91 100

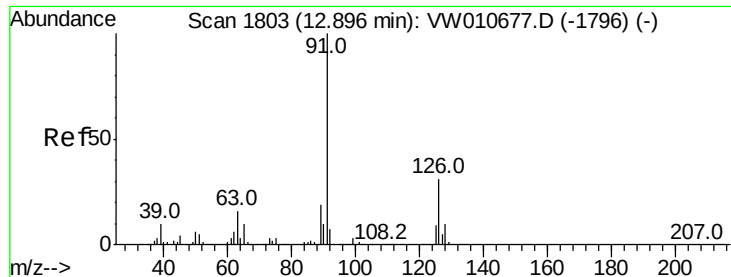
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.696 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

ClientSampled :

VW0610SBS01

Tot Ion: 91 Resp: 185333

Ion Ratio Lower Upper

91 100

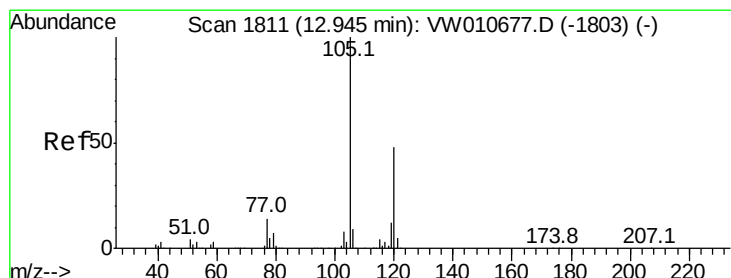
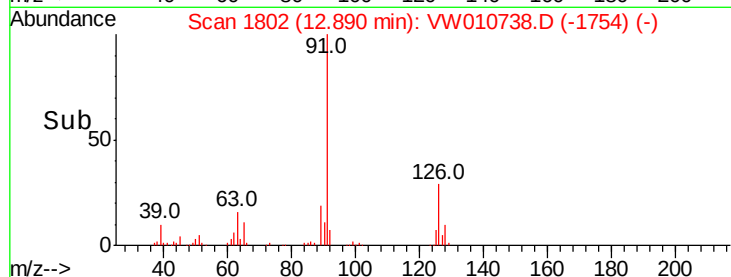
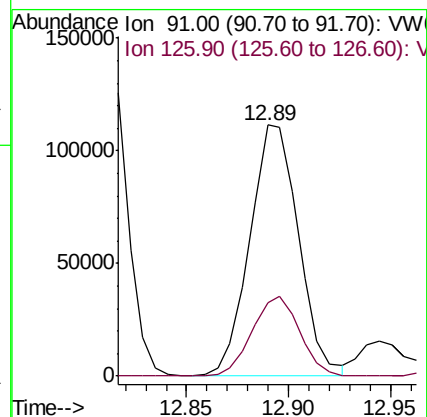
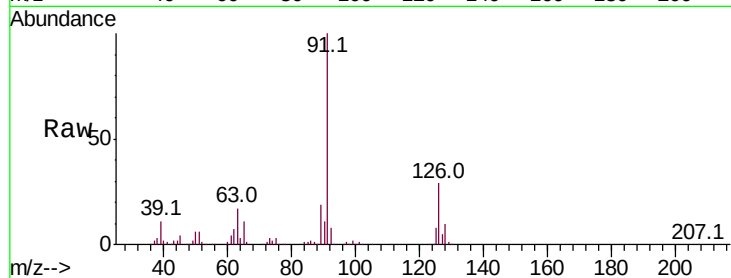
126 31.2 15.7 47.0

Manual Integrations

APPROVED

MMDadoda

6/11/2019 1:02:20 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.106 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010738.D

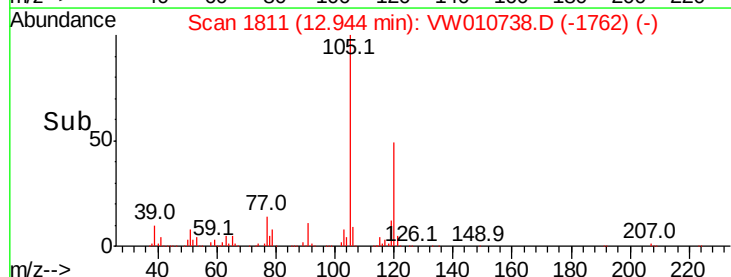
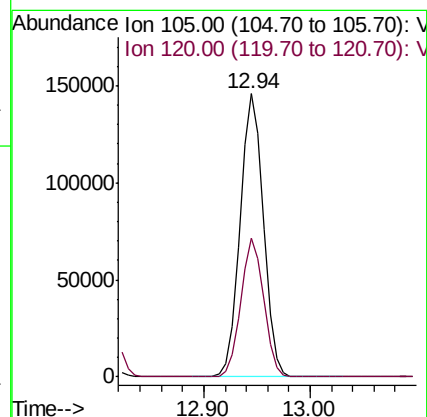
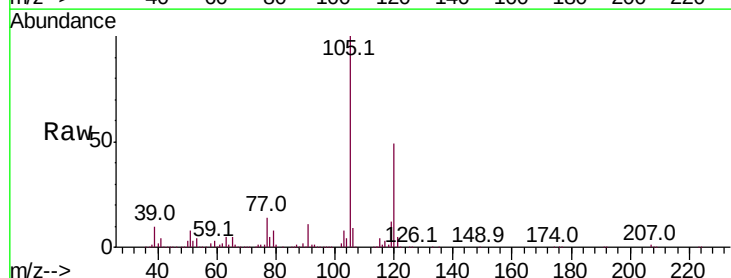
Acq: 10 Jun 2019 12:01

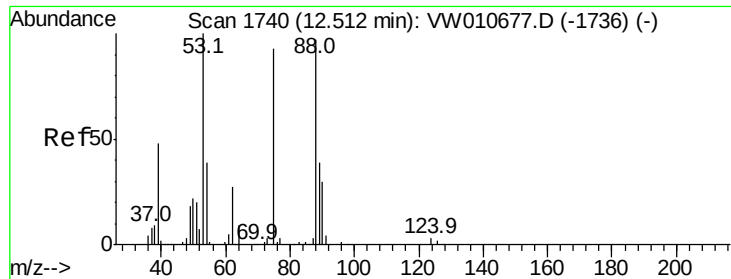
Tgt Ion:105 Resp: 224563

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.026 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Instrument :

MSVOA_W

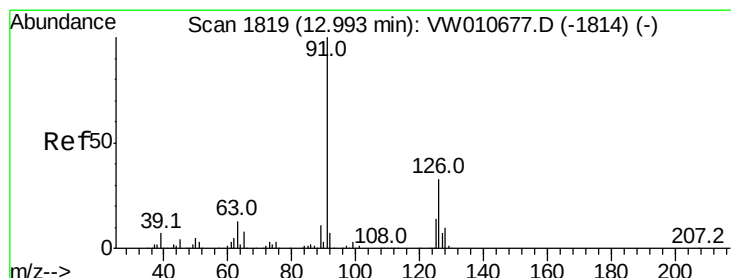
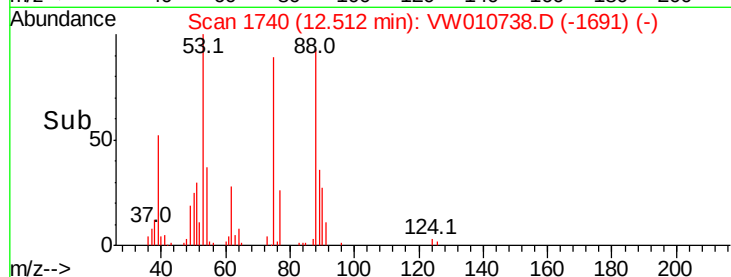
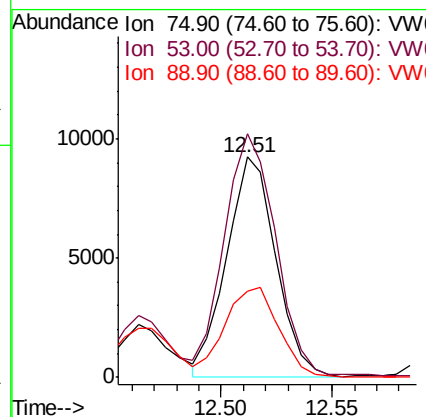
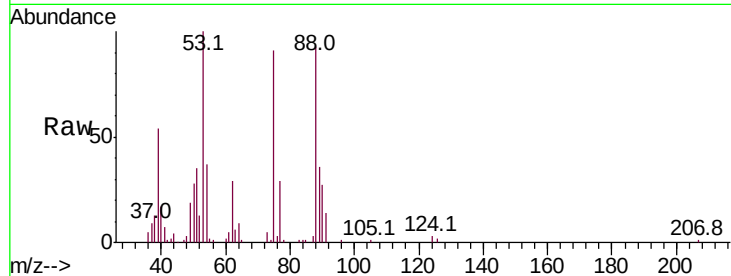
ClientSampleId :

VW0610SBS01

Tot Ion:	75	Resp:	14247
Ion	Ratio	Lower	Upper
75	100		
53	116.5	90.1	135.1
89	44.6	34.6	52.0

Manual Integrations
APPROVED

MMDadoda
6/11/2019 1:02:20 PM



#82

4-Chlorotoluene

Concen: 20.913 ug/l

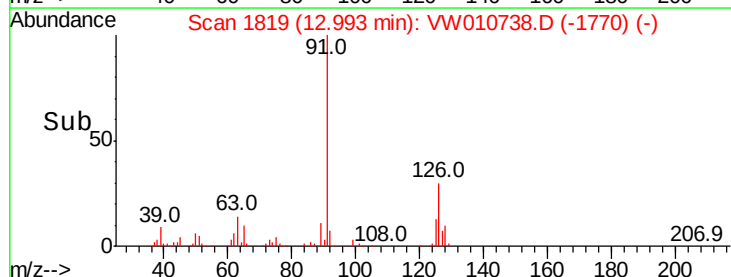
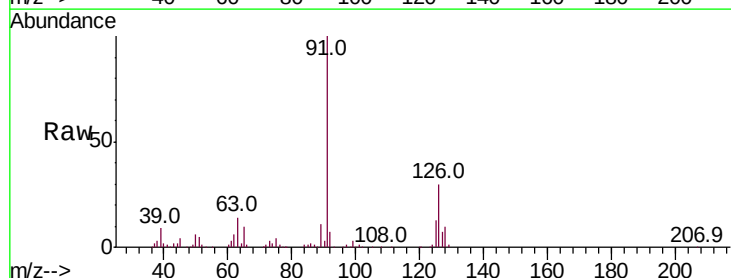
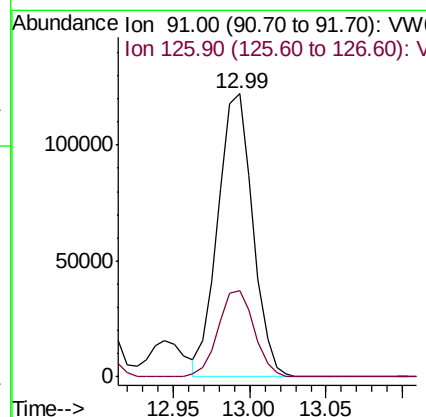
RT: 12.99 min Scan# 1819

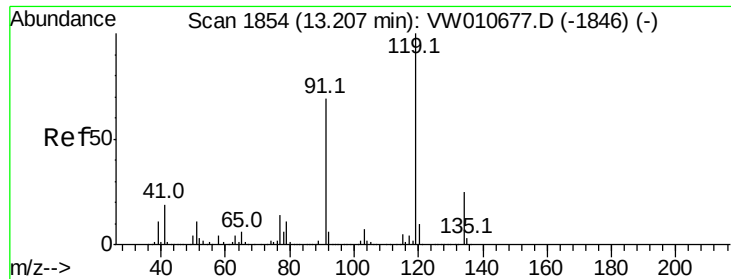
Delta R.T. -0.00 min

Lab File: VW010738.D

Acq: 10 Jun 2019 12:01

Tgt Ion:	91	Resp:	193261
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





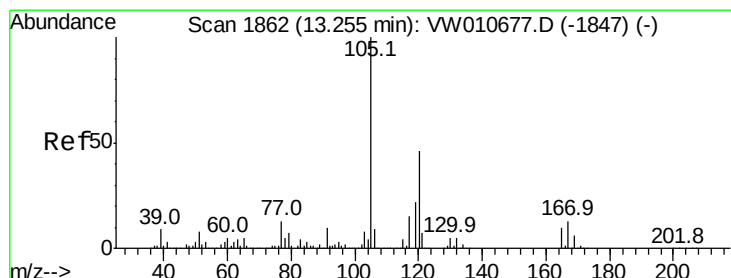
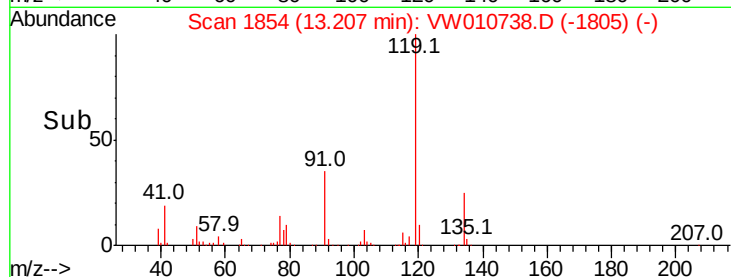
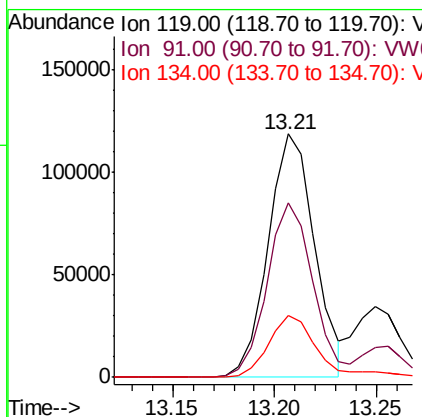
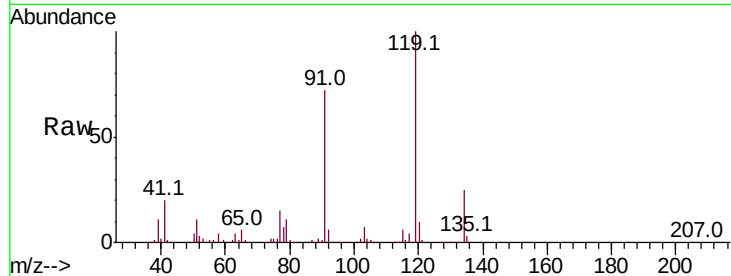
#83
 tert-Butylbenzene
 Concen: 20.914 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	188853		
91	71.5	35.1	105.3	
134	26.9	13.6	40.7	

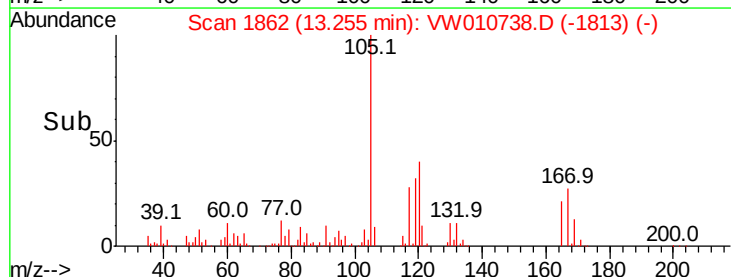
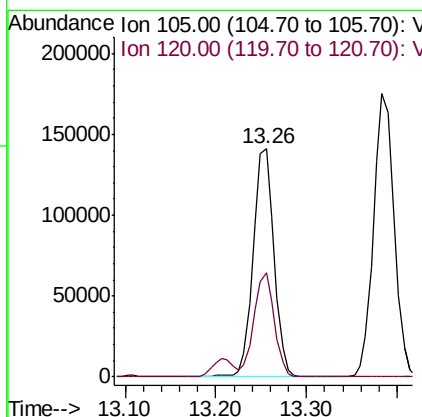
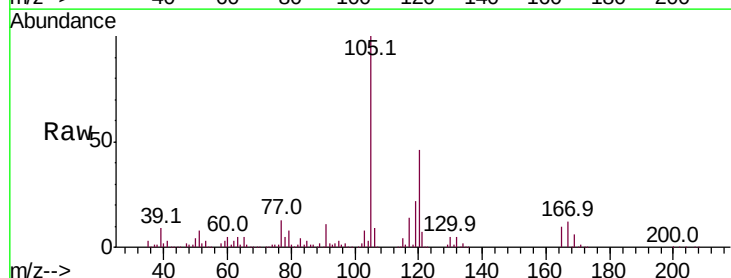
Manual Integrations
 APPROVED

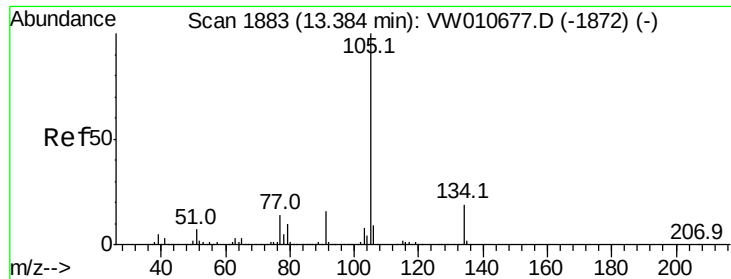
MMDadoda
 6/11/2019 1:02:20 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.976 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	224583		
120	44.4	22.5	67.5	





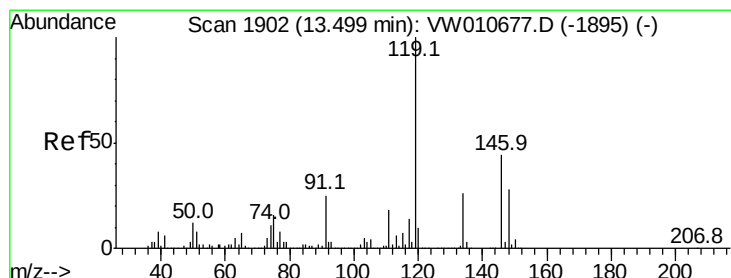
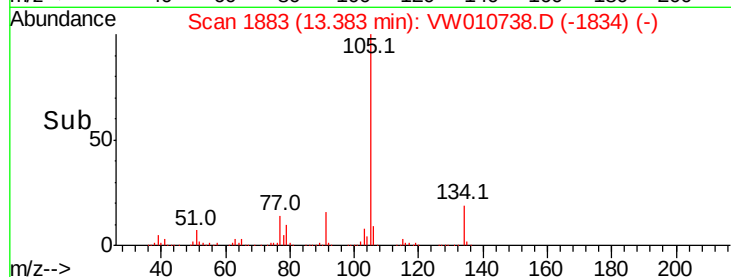
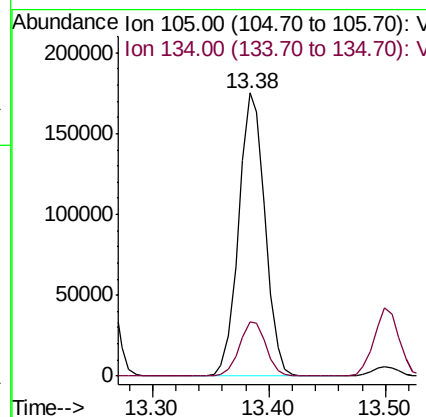
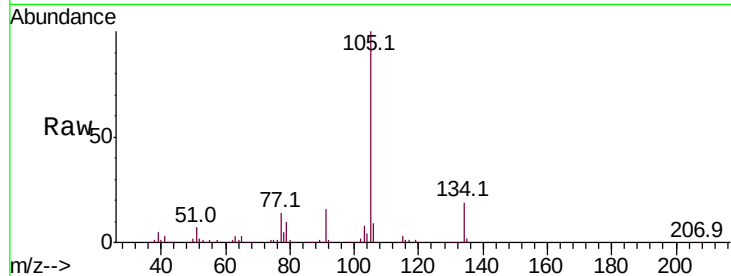
#85
 sec-Butylbenzene
 Concen: 20.925 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	275101		
134	19.4	9.7	28.9	

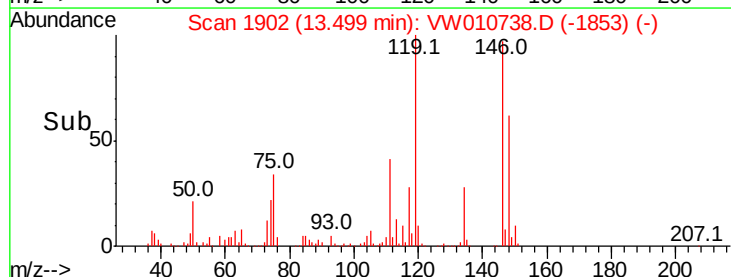
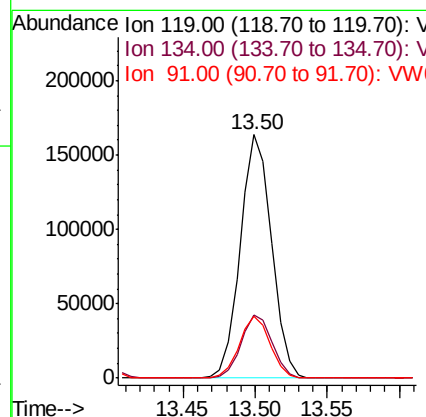
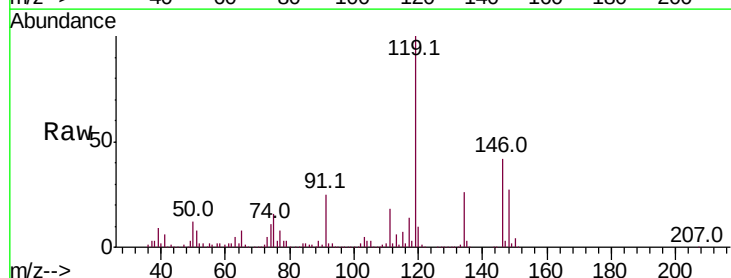
Manual Integrations
 APPROVED

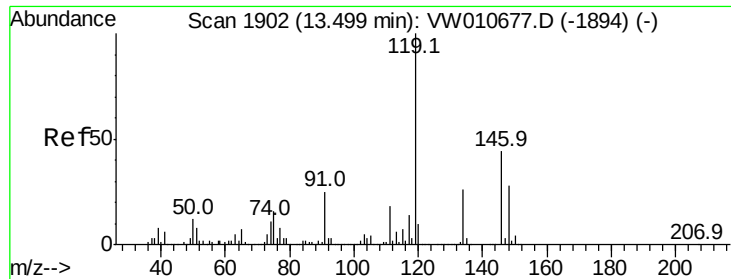
MMDadoda
 6/11/2019 1:02:20 PM



#86
 p-Isopropyltoluene
 Concen: 20.936 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	246143		
134	25.9	13.0	39.0	
91	24.9	12.2	36.4	





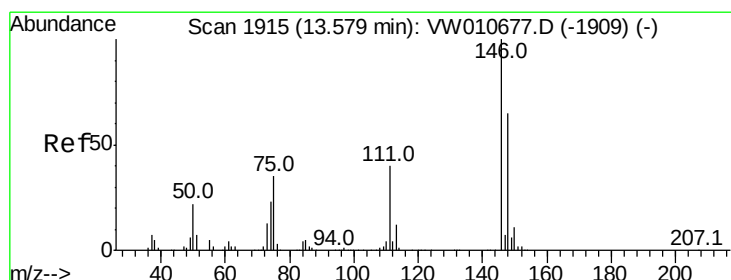
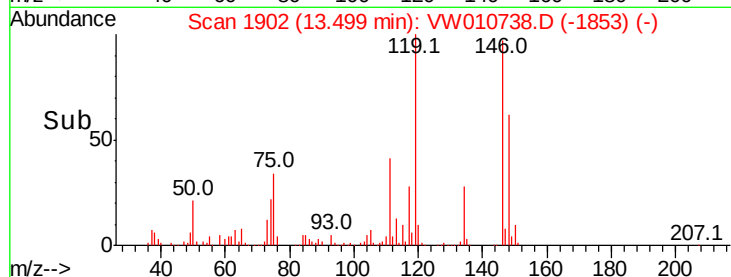
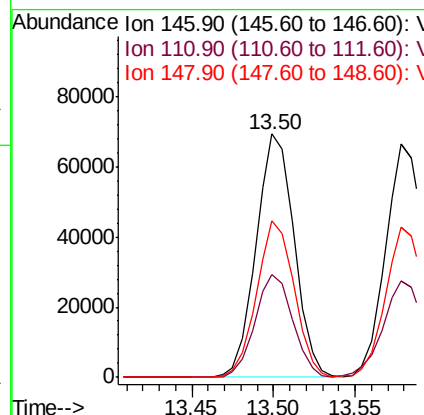
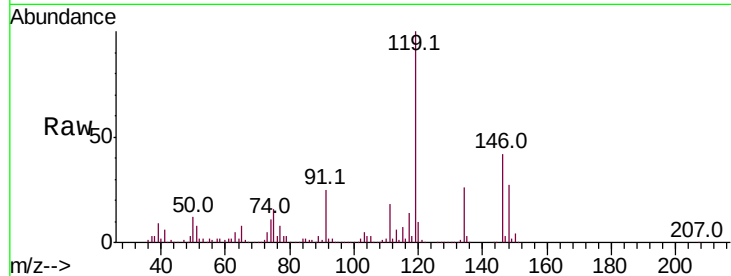
#87
 1,3-Dichlorobenzene
 Concen: 20.542 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112401		
111	41.8	20.4	61.3	
148	63.4	31.5	94.5	

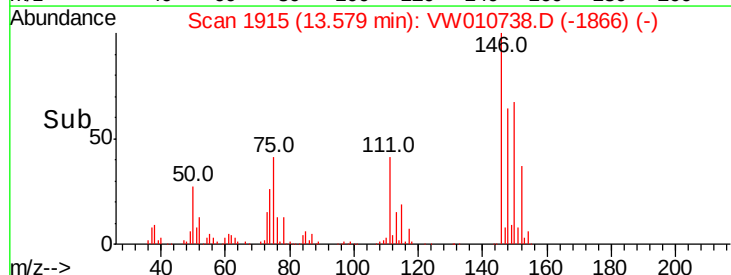
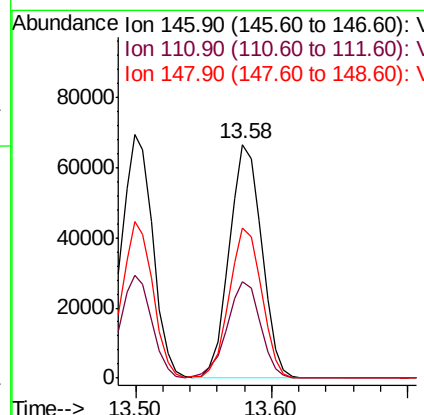
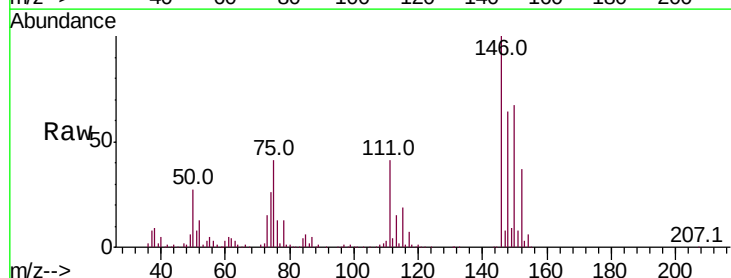
Manual Integrations
 APPROVED

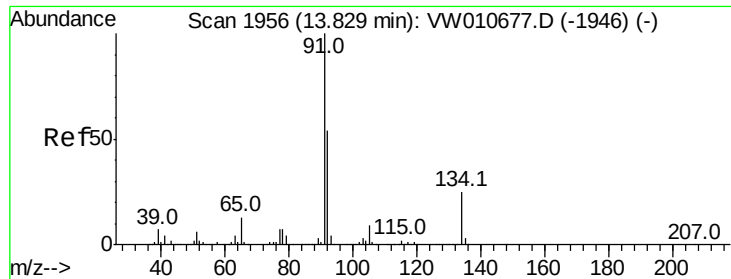
MMDadoda
 6/11/2019 1:02:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.349 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	110390		
111	42.5	20.3	60.9	
148	64.4	32.4	97.2	





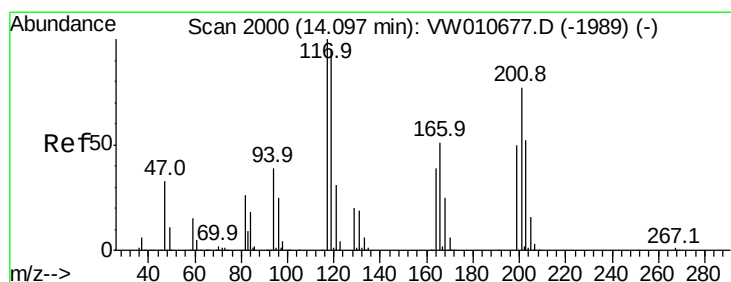
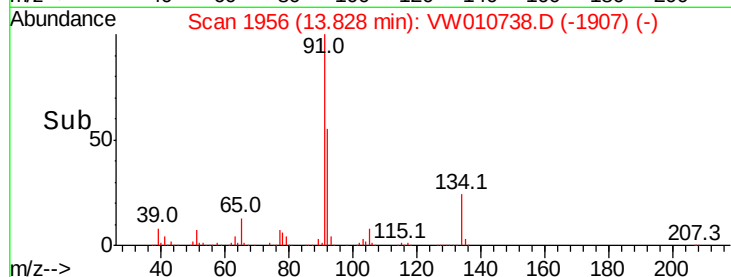
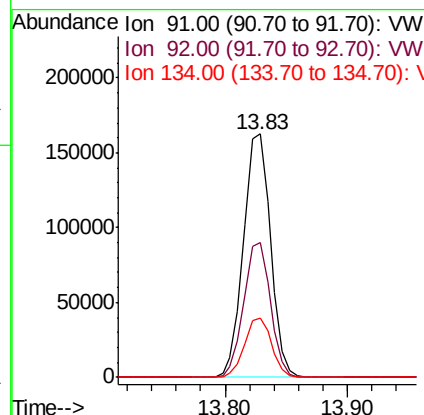
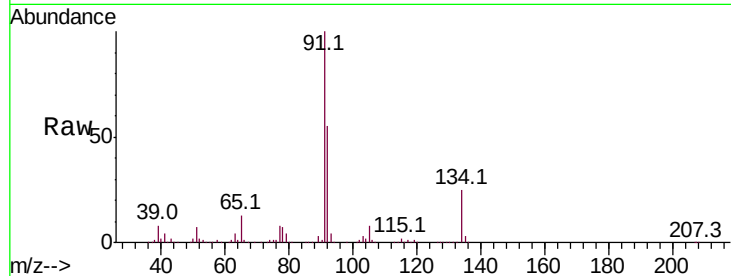
#89
n-Butylbenzene
Concen: 21.266 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.3	81.8
134	24.3	12.3	36.9

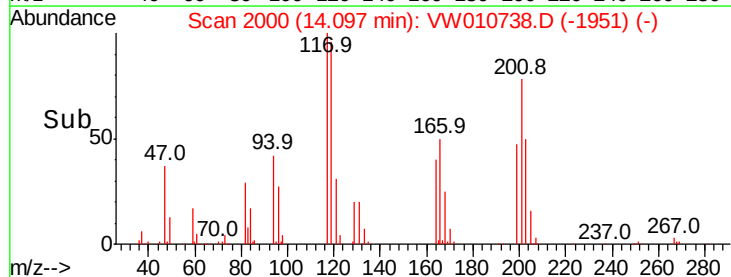
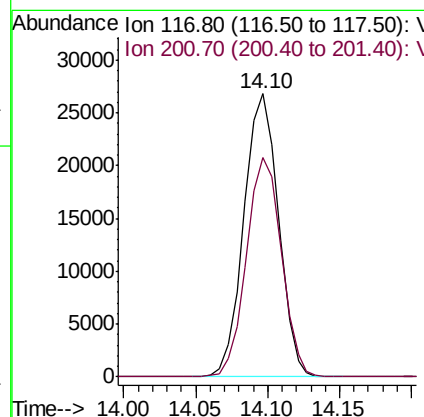
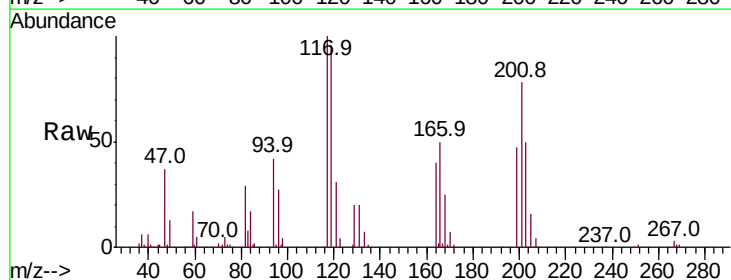
Manual Integrations
APPROVED

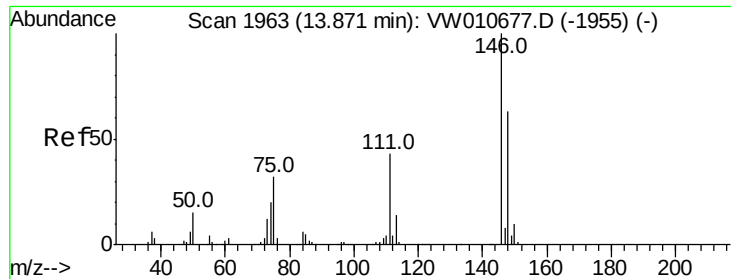
MMDadoda
6/11/2019 1:02:20 PM



#90
Hexachloroethane
Concen: 21.256 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	38.8	116.4





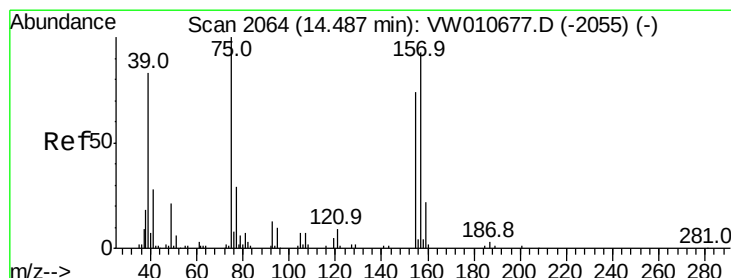
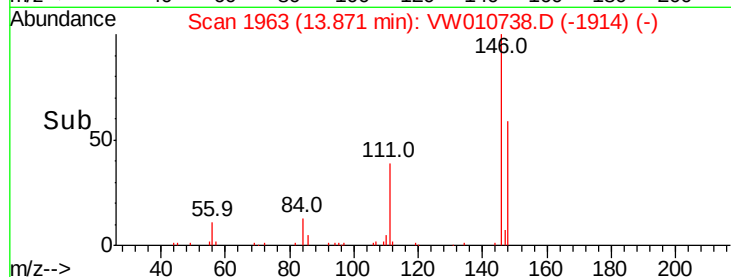
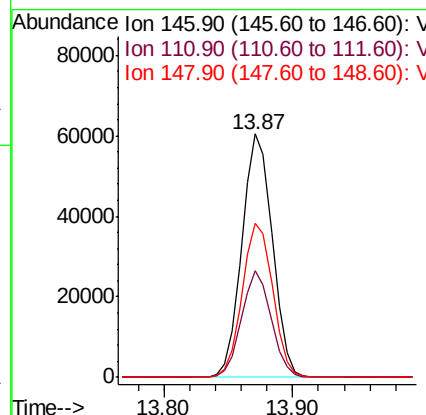
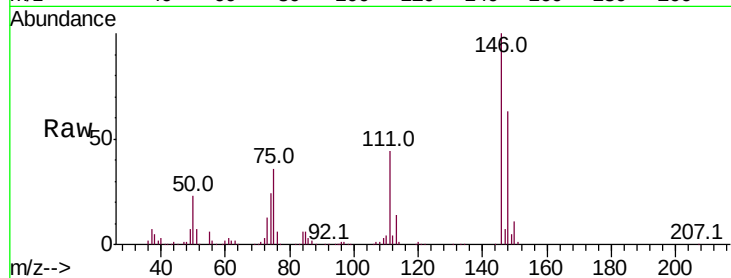
#91
1,2-Dichlorobenzene
Concen: 20.073 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.6	31.9	95.5

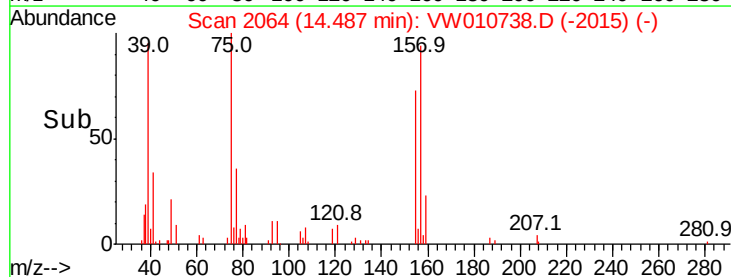
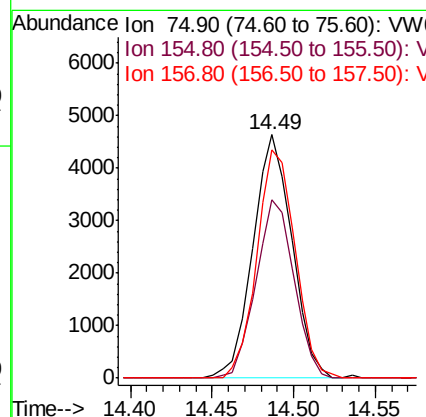
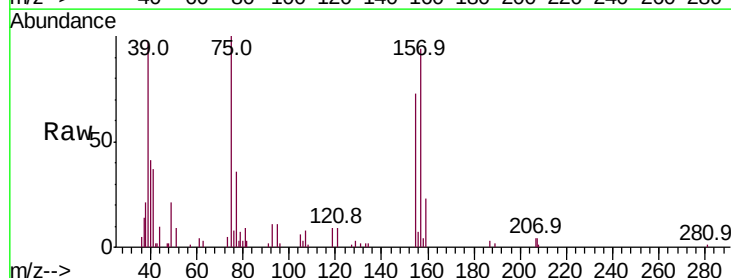
Manual Integrations
APPROVED

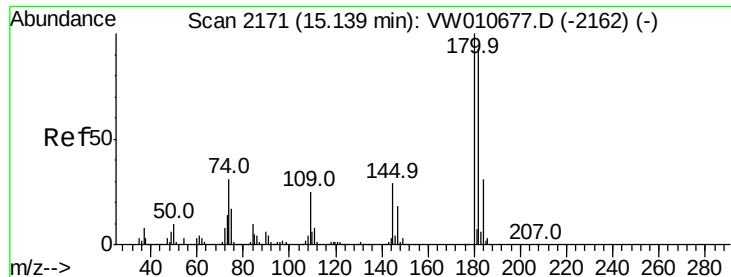
MMDadoda
6/11/2019 1:02:20 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.169 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	38.8	116.4
157	92.1	48.4	145.0





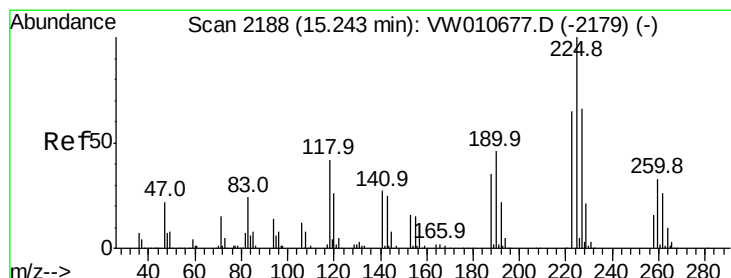
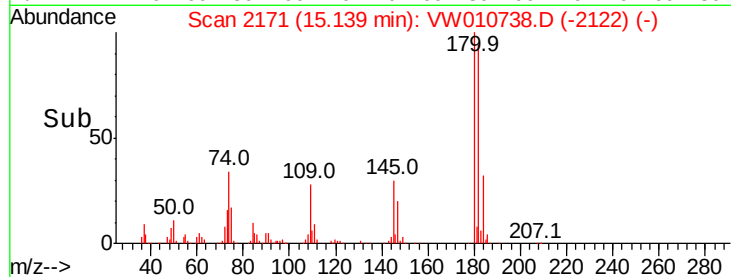
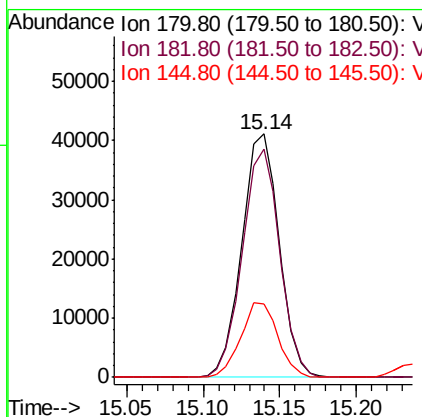
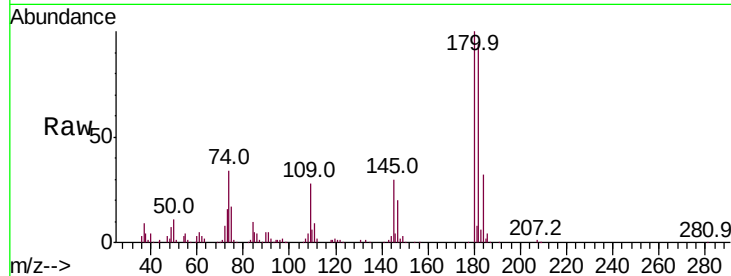
#93
 1,2,4-Trichlorobenzene
 Concen: 20.213 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	47.1	141.4	
145	30.4	15.2	45.5	

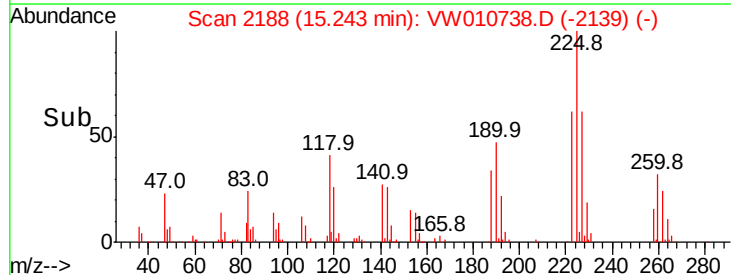
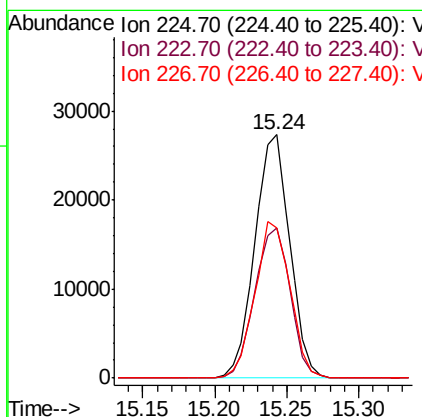
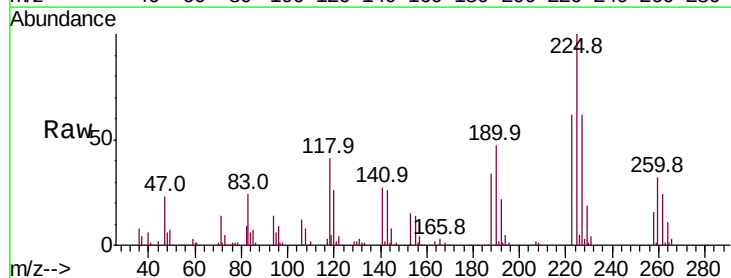
Manual Integrations
 APPROVED

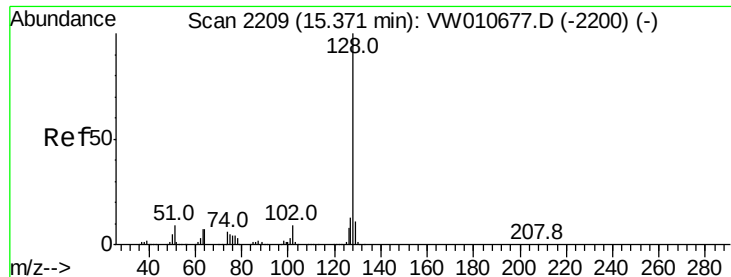
MMDadoda
 6/11/2019 1:02:20 PM



#94
 Hexachlorobutadiene
 Concen: 21.059 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010738.D
 Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	32.2	96.6	
227	64.8	32.0	96.0	





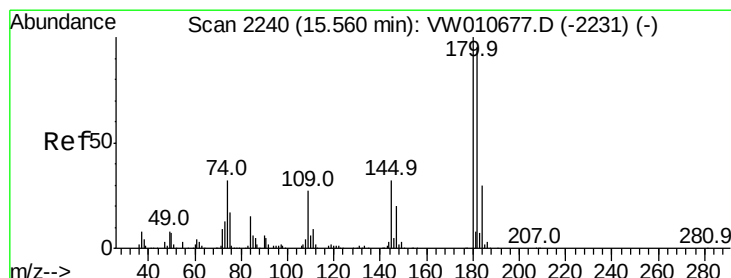
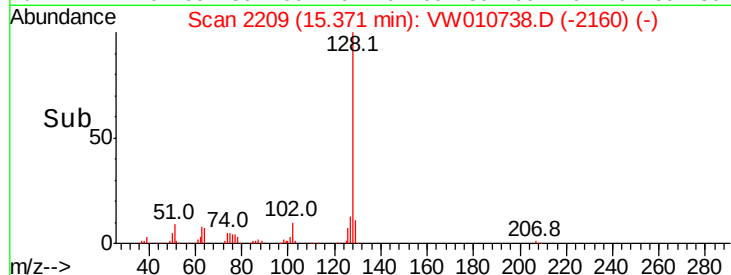
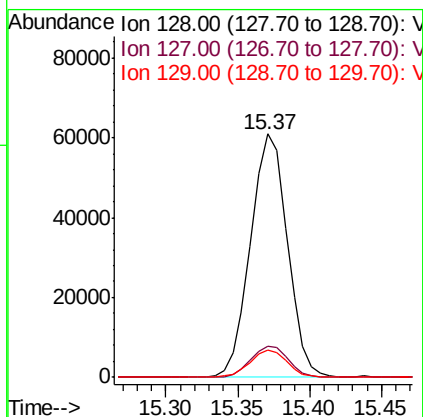
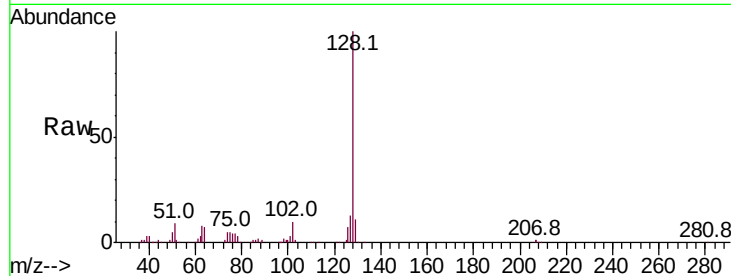
#95
Naphthalene
Concen: 17.250 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VW0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	108226		
127	13.1		10.6	15.8
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/11/2019 1:02:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.418 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010738.D
Acq: 10 Jun 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57026		
182	96.4		47.0	141.0
145	32.6		16.1	48.3

