

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008703.D
 Acq On : 16 Feb 2019 01:15
 Operator : SY/VA
 Sample : VW0215SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 2:34:53 PM

Quant Time: Feb 16 03:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	291166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	475430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	184484	60.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.88%	
35) Dibromofluoromethane	7.88	113	162479	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
50) Toluene-d8	10.32	98	594917	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.62	95	226118	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	33774	18.110	ug/l	94
3) Chloromethane	2.21	50	50145	18.652	ug/l	96
4) Vinyl Chloride	2.36	62	63223	17.903	ug/l	96
5) Bromomethane	2.77	94	59991	21.469	ug/l	94
6) Chloroethane	2.92	64	53198	20.245	ug/l	91
7) Trichlorofluoromethane	3.25	101	42040	15.285	ug/l	96
8) Diethyl Ether	3.67	74	38588	23.510	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58297	20.057	ug/l	97
10) Methyl Iodide	4.26	142	99430	21.917	ug/l	98
11) Tert butyl alcohol	5.17	59	26676	110.144	ug/l	95
12) 1,1-Dichloroethene	4.03	96	56711	19.951	ug/l	97
13) Acrolein	3.89	56	23208	93.007	ug/l	97
14) Allyl chloride	4.65	41	95195	20.157	ug/l	99
15) Acrylonitrile	5.36	53	82184	118.961	ug/l	96
16) Acetone	4.12	43	74413	108.028	ug/l	98
17) Carbon Disulfide	4.37	76	158390	18.464	ug/l	97
18) Methyl Acetate	4.67	43	37563	23.864	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	120570	24.162	ug/l	99
20) Methylene Chloride	4.90	84	76426	20.984	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	67489	21.680	ug/l	94
22) Diisopropyl ether	6.31	45	219821	23.126	ug/l	98
23) Vinyl Acetate	6.25	43	679715	110.181	ug/l	99
24) 1,1-Dichloroethane	6.20	63	119751	21.833	ug/l	99
25) 2-Butanone	7.17	43	112280	115.436	ug/l	96
26) 2,2-Dichloropropane	7.16	77	62244	18.166	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	75425	22.407	ug/l	97
28) Bromochloromethane	7.51	49	53418	23.071	ug/l	95
29) Tetrahydrofuran	7.53	42	78880	123.039	ug/l	98
30) Chloroform	7.67	83	126013	22.929	ug/l	98
31) Cyclohexane	7.95	56	101562	18.345	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	96666	20.826	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90056	18.854	ug/l	99
37) Ethyl Acetate	7.25	43	55110	23.918	ug/l	99
38) Carbon Tetrachloride	8.06	117	90720	19.100	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008703.D
 Acq On : 16 Feb 2019 01:15
 Operator : SY/VA
 Sample : VW0215SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0215SBS02

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 2:34:53 PM

Quant Time: Feb 16 03:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	105636	17.485	ug/l	97
40) Benzene	8.32	78	269629	20.669	ug/l	100
41) Methacrylonitrile	7.49	41	30984	23.900	ug/l	97
42) 1,2-Dichloroethane	8.40	62	90697	22.414	ug/l	99
43) Isopropyl Acetate	8.43	43	99885	21.740	ug/l	98
44) Trichloroethene	9.09	130	73311	20.268	ug/l	90
45) 1,2-Dichloropropane	9.37	63	70319	21.781	ug/l	97
46) Dibromomethane	9.46	93	41136	23.130	ug/l	97
47) Bromodichloromethane	9.64	83	92365	21.610	ug/l	99
48) Methyl methacrylate	9.43	41	46770	21.966	ug/l	97
49) 1,4-Dioxane	9.44	88	13866	488.447	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	259453	109.932	ug/l	98
52) Toluene	10.38	92	170662	20.279	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	87922	19.581	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	101958	20.031	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	55815	22.873	ug/l	99
56) Ethyl methacrylate	10.65	69	70441	21.739	ug/l	98
57) 1,3-Dichloropropane	10.93	76	99014	22.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	188139	121.038	ug/l	99
59) 2-Hexanone	10.97	43	179650	108.355	ug/l	100
60) Dibromochloromethane	11.13	129	63172	21.636	ug/l	99
61) 1,2-Dibromoethane	11.24	107	53911	22.438	ug/l	98
64) Tetrachloroethene	10.86	164	69487	21.123	ug/l	97
65) Chlorobenzene	11.66	112	197984	20.765	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	69255	20.504	ug/l	98
67) Ethyl Benzene	11.73	91	326516	19.225	ug/l	100
68) m/p-Xylenes	11.84	106	255089	38.601	ug/l	99
69) o-Xylene	12.16	106	125764	20.133	ug/l	97
70) Styrene	12.18	104	203313	19.927	ug/l	98
71) Bromoform	12.35	173	37439	20.572	ug/l #	99
73) Isopropylbenzene	12.46	105	324023	18.814	ug/l	98
74) N-amyl acetate	12.27	43	93563	20.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	65359	21.813	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	46724m	20.466	ug/l	
77) Bromobenzene	12.75	156	83602	21.118	ug/l	99
78) n-propylbenzene	12.80	91	382384	18.687	ug/l	98
79) 2-Chlorotoluene	12.90	91	229424	19.838	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	277668	19.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16085	17.271	ug/l	94
82) 4-Chlorotoluene	12.99	91	241994	19.745	ug/l	100
83) tert-Butylbenzene	13.21	119	246919	19.879	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	288294	19.609	ug/l	99
85) sec-Butylbenzene	13.38	105	340033	18.801	ug/l	99
86) p-Isopropyltoluene	13.50	119	302979	18.726	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	161685	20.147	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	162627	20.562	ug/l	99
89) n-Butylbenzene	13.83	91	274065	17.825	ug/l	99
90) Hexachloroethane	14.10	117	53299	18.855	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	148906	20.943	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11388	21.871	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021519\
Data File : VW008703.D
Acq On : 16 Feb 2019 01:15
Operator : SY/VA
Sample : VW0215SBSD02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD02

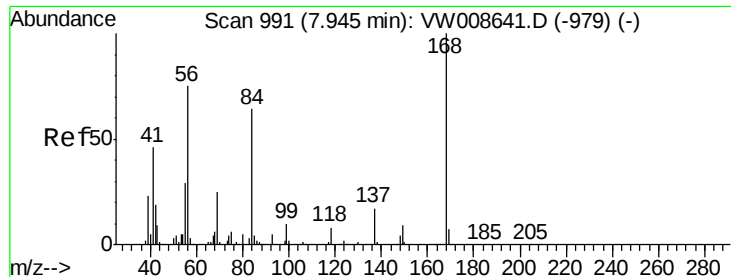
Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM

Quant Time: Feb 16 03:21:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	106010	20.945	ug/l	98
94) Hexachlorobutadiene	15.24	225	58967	20.014	ug/l	99
95) Naphthalene	15.37	128	197424	21.766	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	94667	21.796	ug/l	99

(#) = 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: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion:168 Resp: 291166

Ion Ratio Lower Upper

168 100

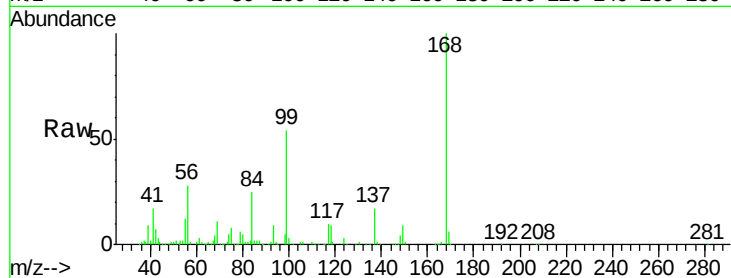
99 53.6 42.8 64.2

Manual Integrations

APPROVED

MMDadoda

2/18/2019 2:34:53 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

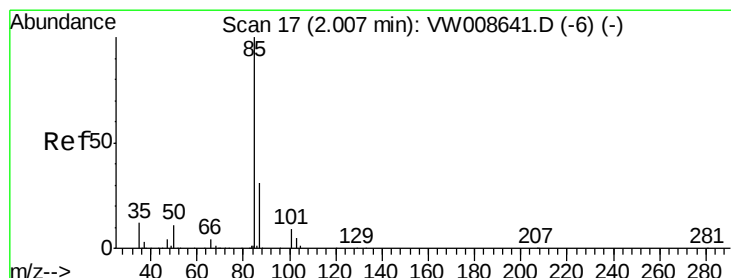
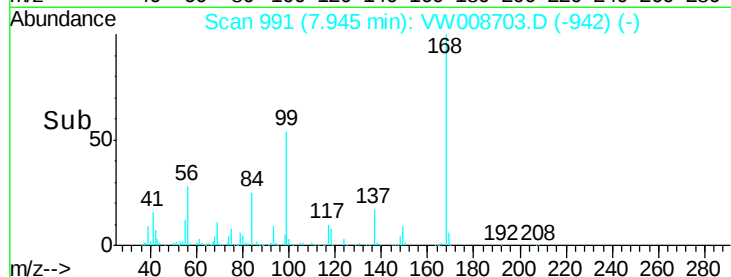
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.110 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008703.D

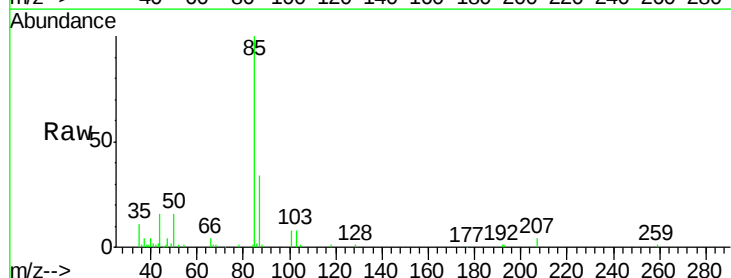
Acq: 16 Feb 2019 01:15

Tgt Ion: 85 Resp: 33774

Ion Ratio Lower Upper

85 100

87 34.4 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

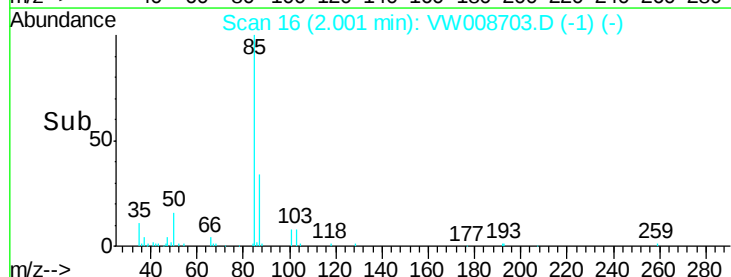
2.00

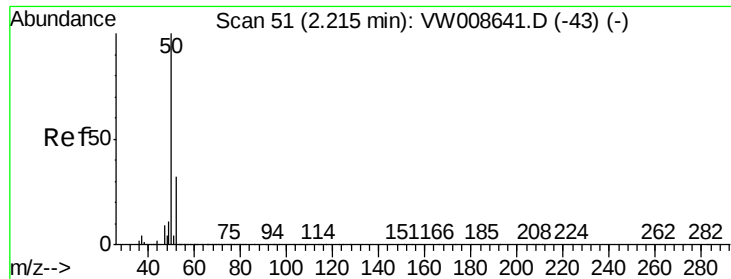
10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.652 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBSD02

Tot Ion: 50 Resp: 50145

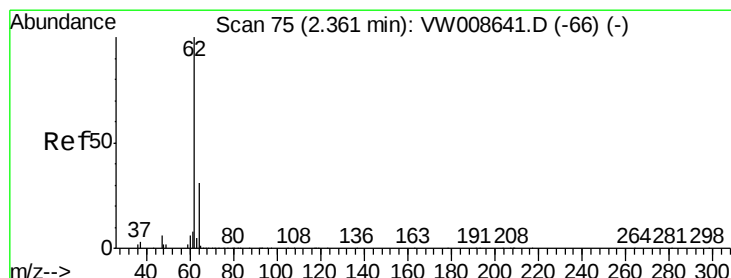
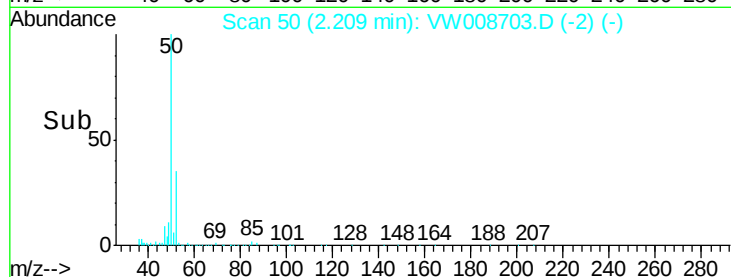
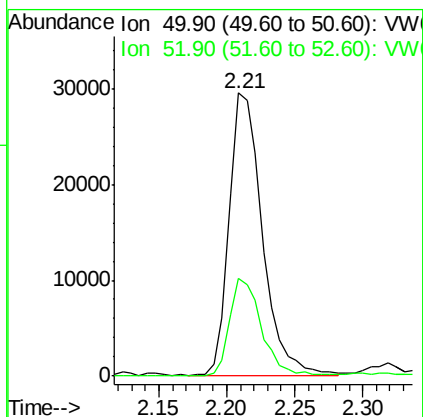
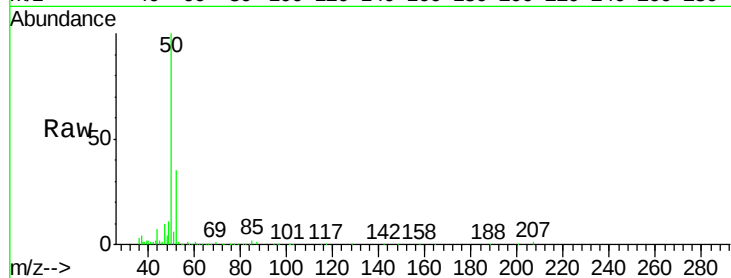
Ion Ratio Lower Upper

50 100

52 34.8 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#4

Vinyl Chloride

Concen: 17.903 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW008703.D

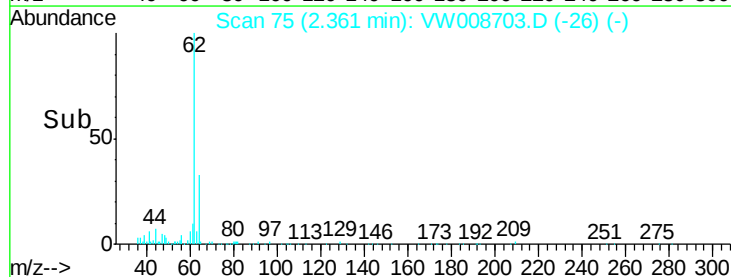
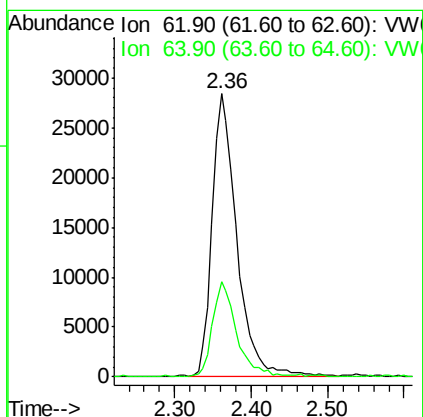
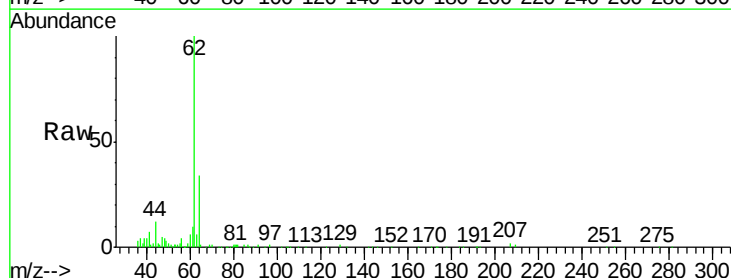
Acq: 16 Feb 2019 01:15

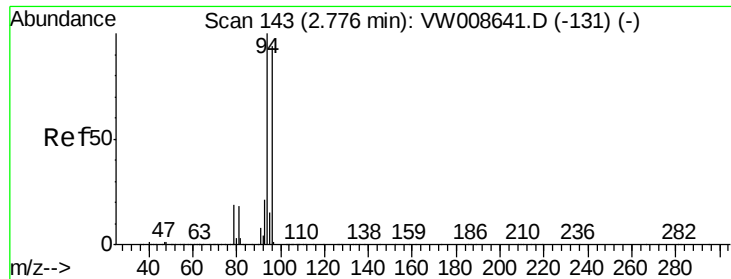
Tgt Ion: 62 Resp: 63223

Ion Ratio Lower Upper

62 100

64 33.7 25.1 37.7





#5

Bromomethane

Concen: 21.469 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBSD02

Tot Ion: 94 Resp: 59991

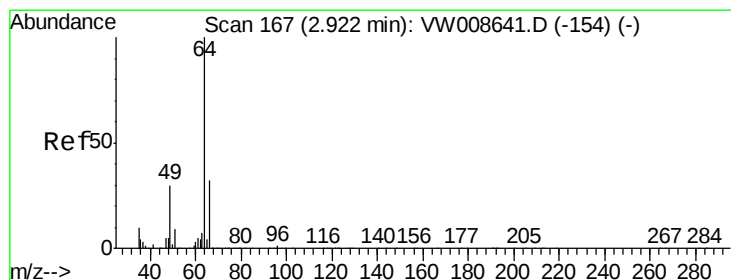
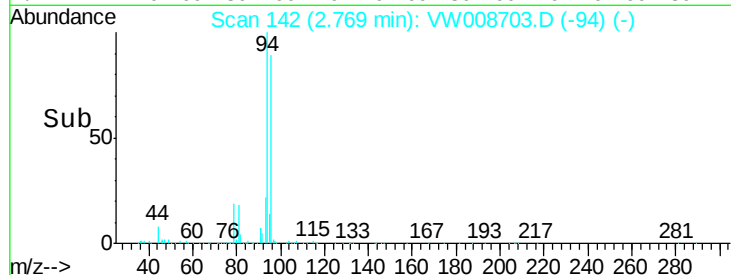
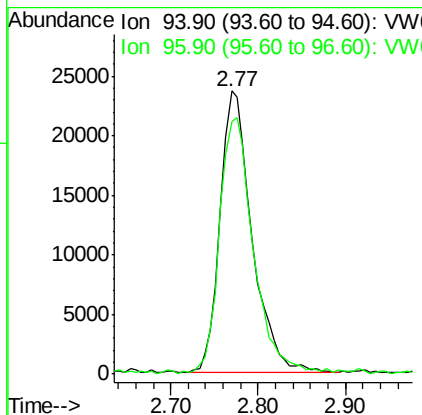
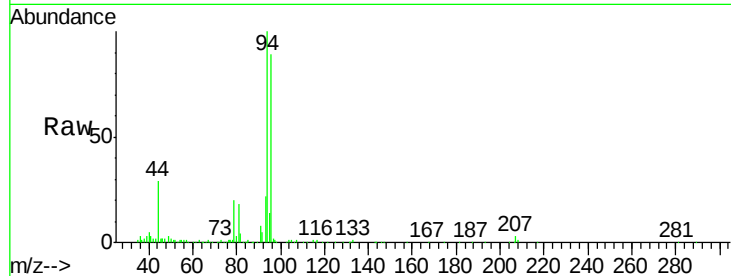
Ion Ratio Lower Upper

94 100

96 88.9 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#6

Chloroethane

Concen: 20.245 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008703.D

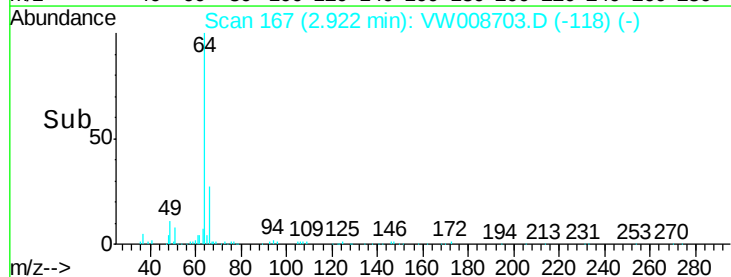
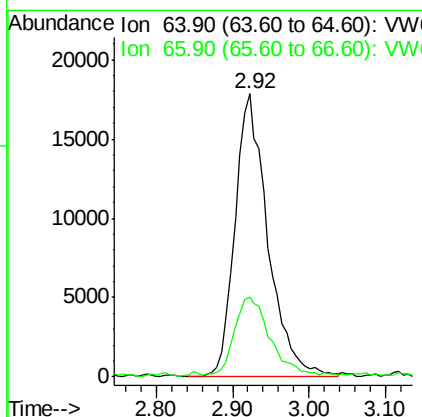
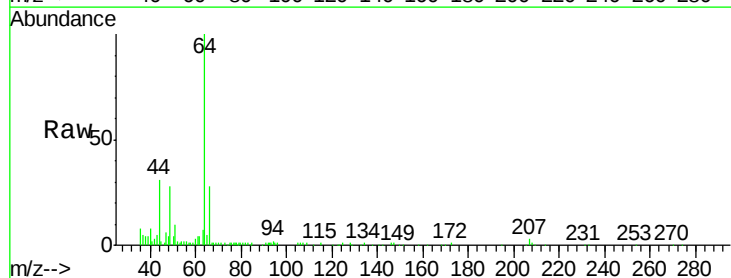
Acq: 16 Feb 2019 01:15

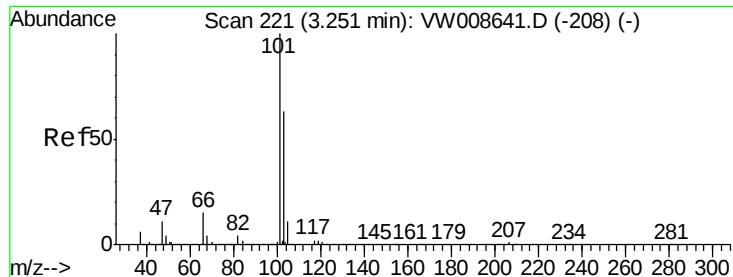
Tgt Ion: 64 Resp: 53198

Ion Ratio Lower Upper

64 100

66 27.7 26.2 39.4





#7

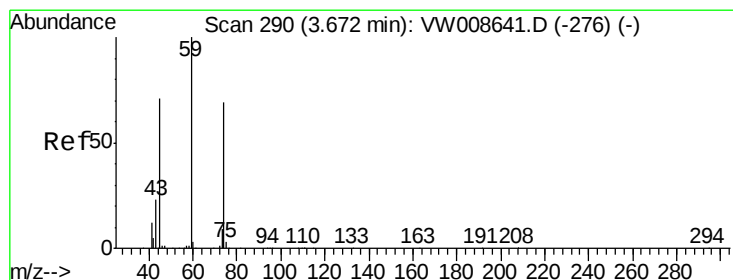
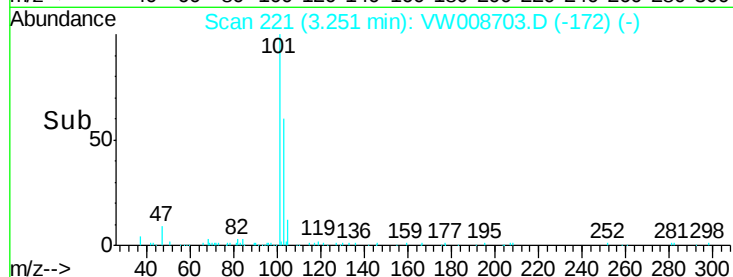
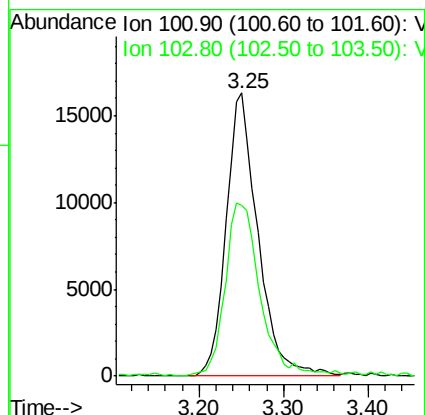
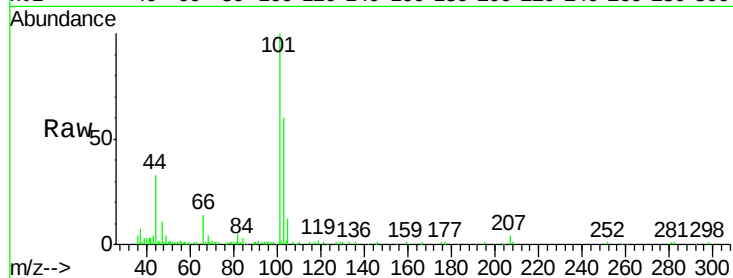
Trichlorofluoromethane
 Concen: 15.285 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.7	50.5	75.7

Manual Integrations
 APPROVED

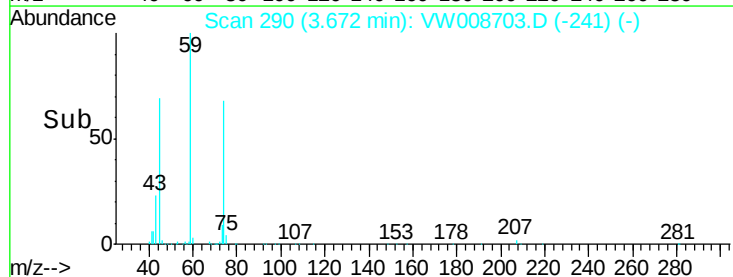
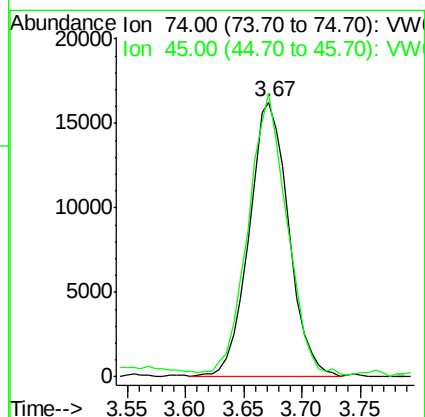
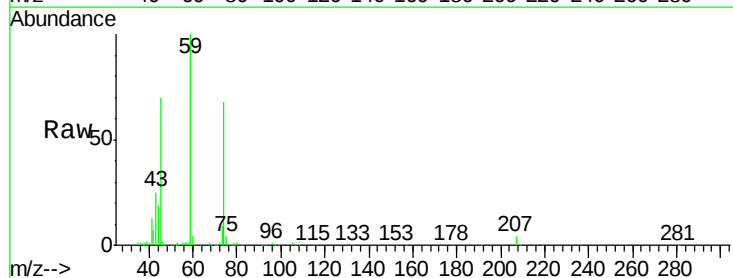
MMDadoda
 2/18/2019 2:34:53 PM

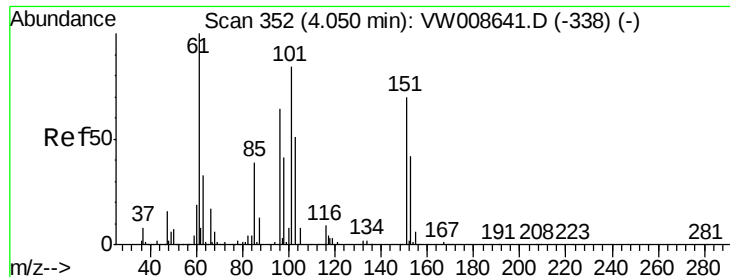


#8

Diethyl Ether
 Concen: 23.510 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.057 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

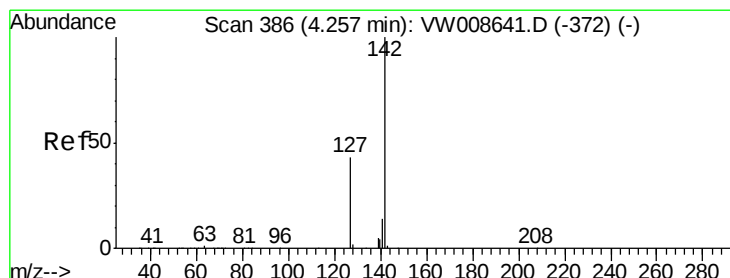
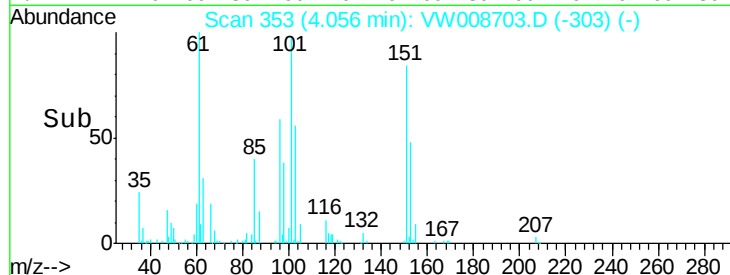
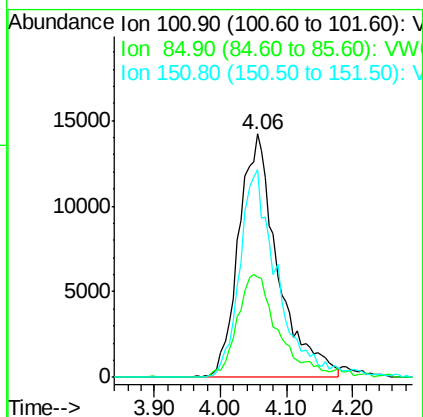
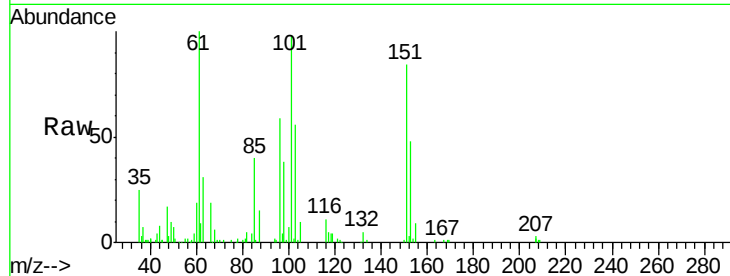
ClientSampleId :

VW0215SBS02

Tot Ion:	101	Resp:	58297
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.3	51.5
151	79.2	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#10

Methyl Iodide

Concen: 21.917 ug/l

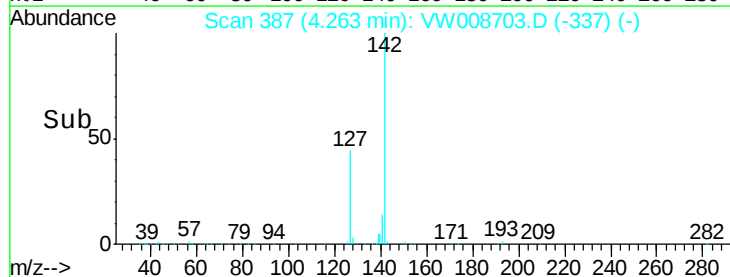
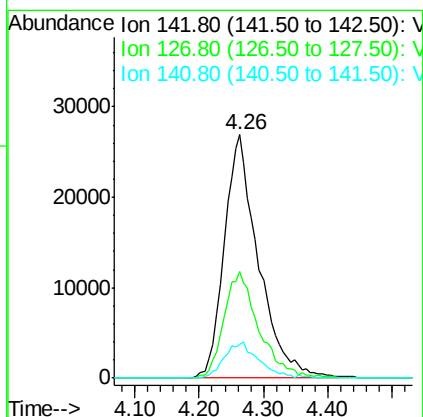
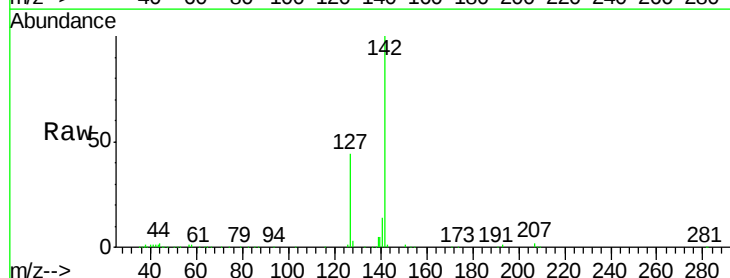
RT: 4.26 min Scan# 387

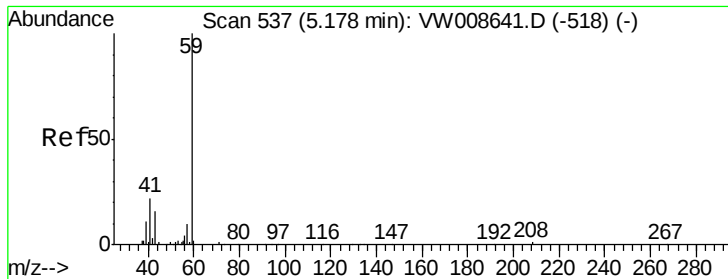
Delta R.T. 0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Tgt Ion:	142	Resp:	99430
Ion Ratio	Lower	Upper	
142	100		
127	45.1	34.8	52.2
141	14.8	11.8	17.8





#11

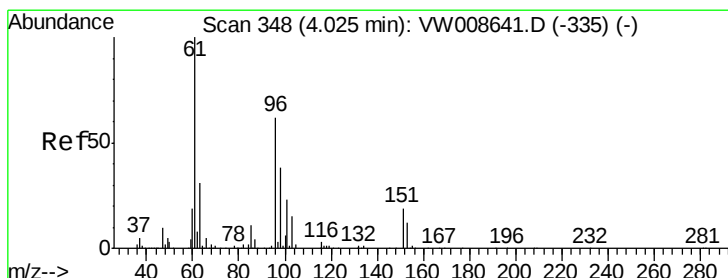
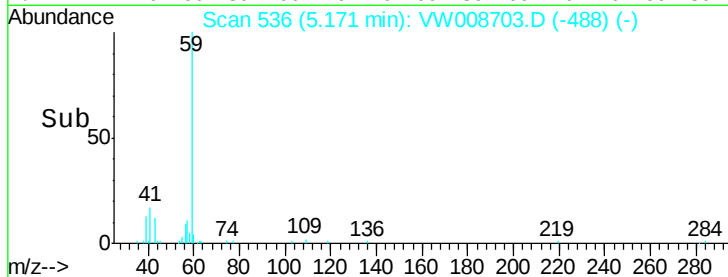
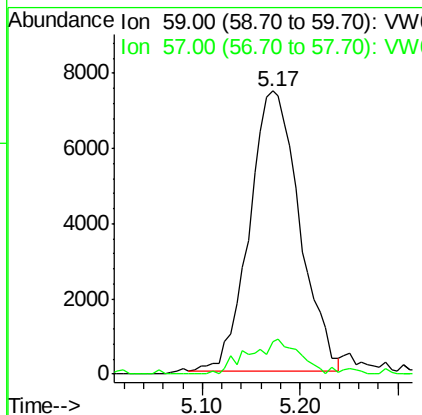
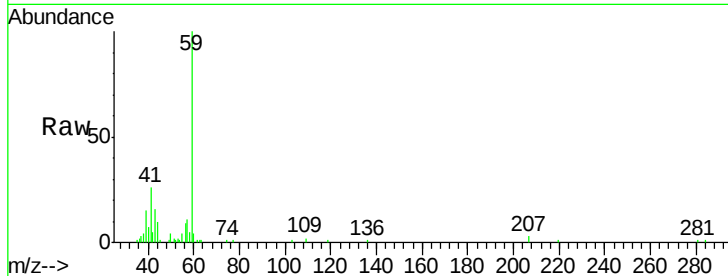
Tert butyl alcohol
Concen: 110.144 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.3	12.5

Manual Integrations
APPROVED

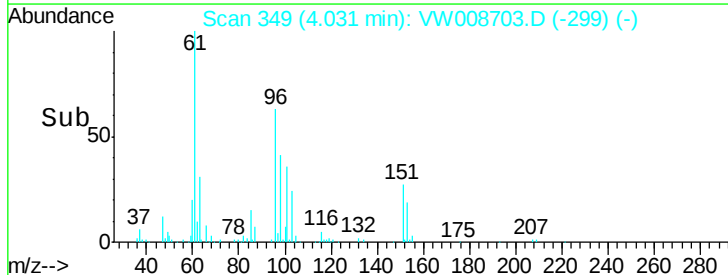
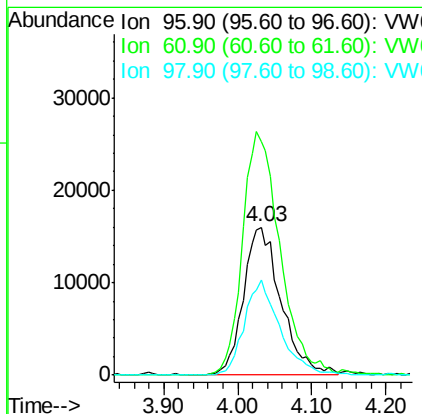
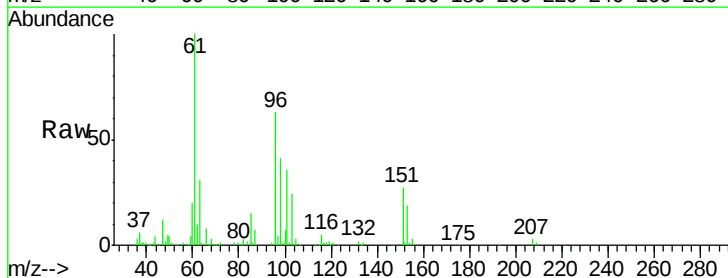
MMDadoda
2/18/2019 2:34:53 PM

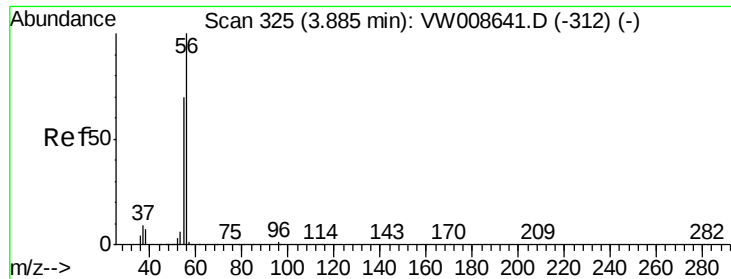


#12

1,1-Dichloroethene
Concen: 19.951 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.01 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.8	129.8	194.6
98	64.2	49.3	73.9





#13

Acrolein

Concen: 93.007 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleID :

VW0215SBS02

Tot Ion: 56 Resp: 23208

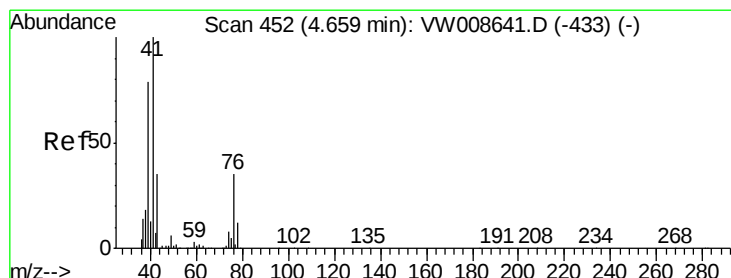
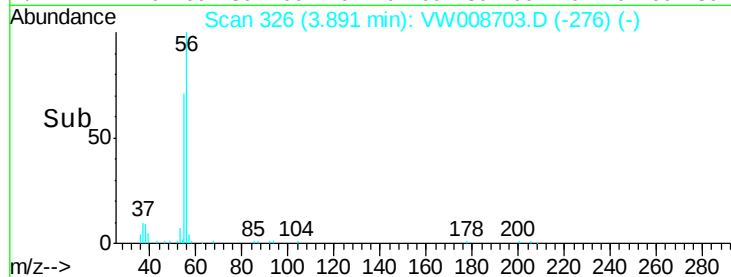
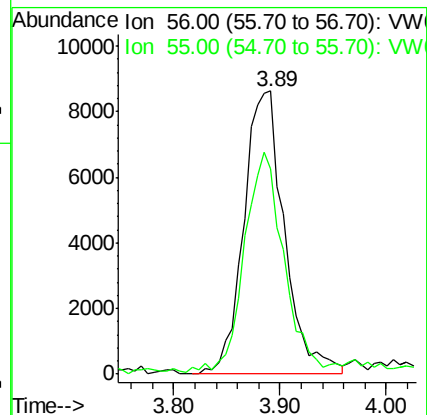
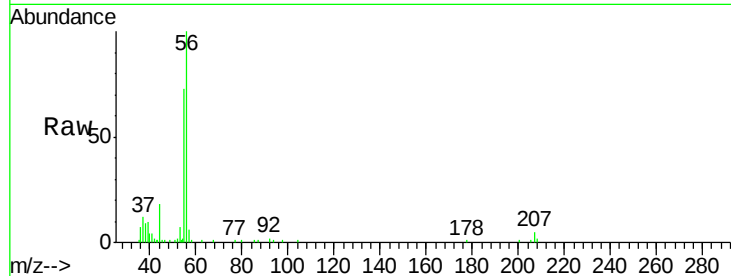
Ion Ratio Lower Upper

56 100

55 74.2 57.4 86.2

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#14

Allyl chloride

Concen: 20.157 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

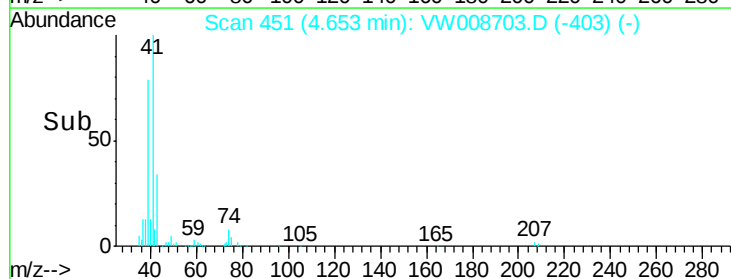
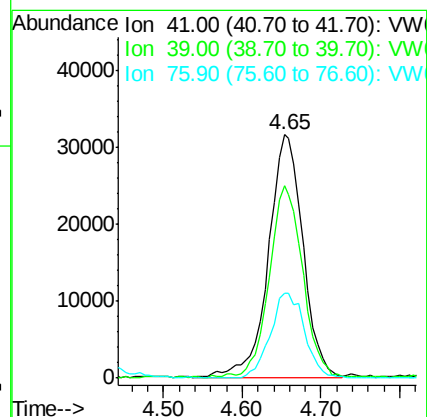
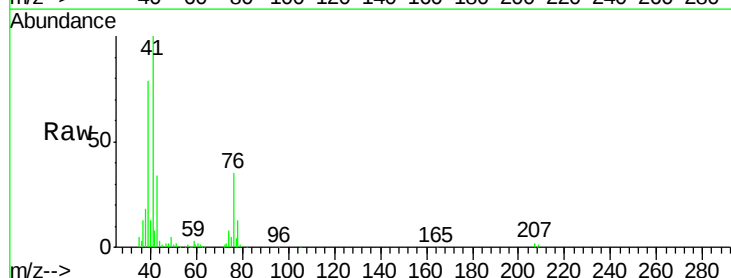
Tgt Ion: 41 Resp: 95195

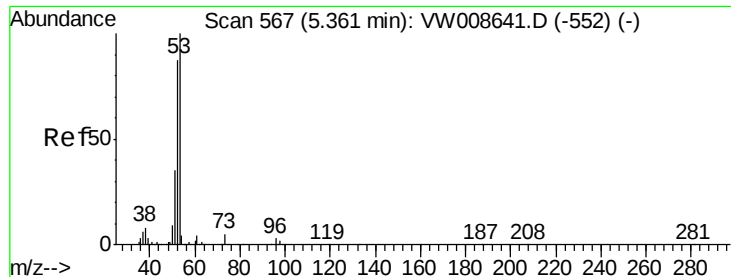
Ion Ratio Lower Upper

41 100

39 76.6 61.7 92.5

76 35.1 27.7 41.5





#15

Acrylonitrile

Concen: 118.961 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

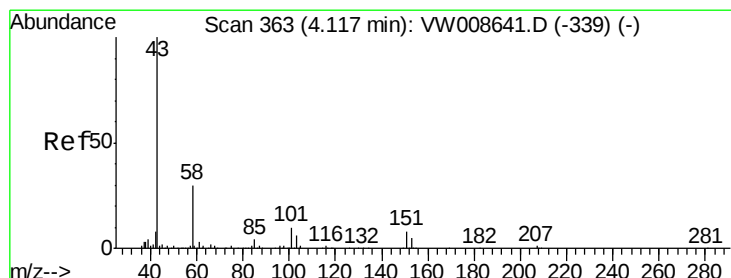
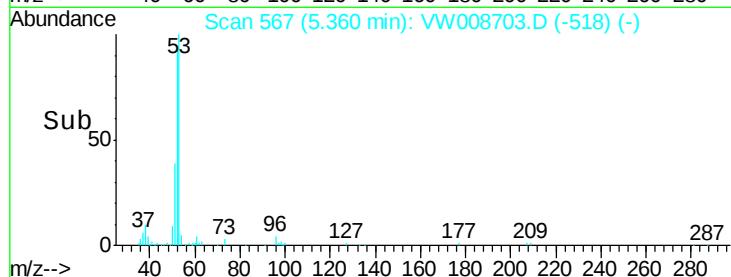
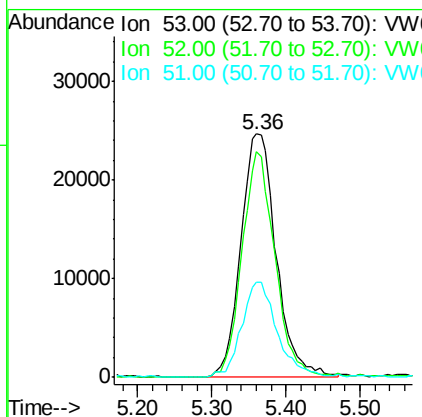
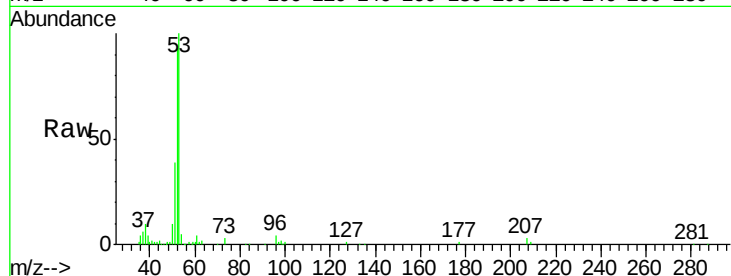
ClientSampleId :

VW0215SBS02

Tot Ion:	53	Resp:	82184
Ion Ratio	Lower	Upper	
53	100		
52	86.3	66.8	100.2
51	39.3	29.4	44.0

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#16

Acetone

Concen: 108.028 ug/l

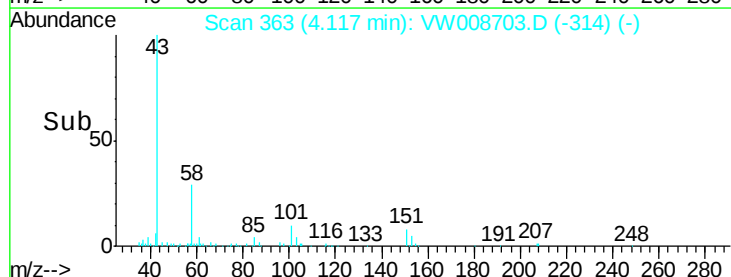
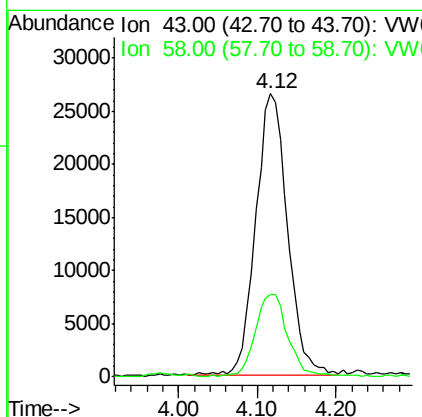
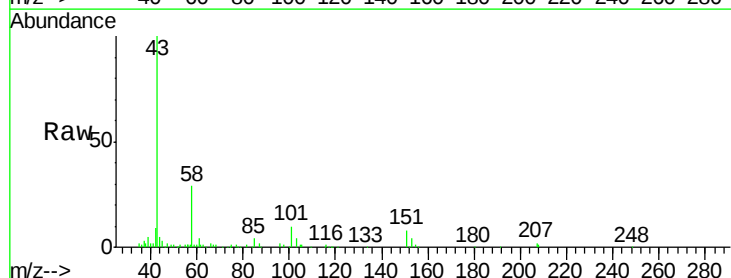
RT: 4.12 min Scan# 363

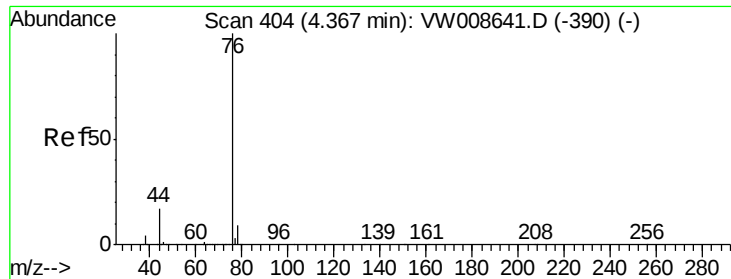
Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Tgt Ion:	43	Resp:	74413
Ion Ratio	Lower	Upper	
43	100		
58	29.0	24.1	36.1





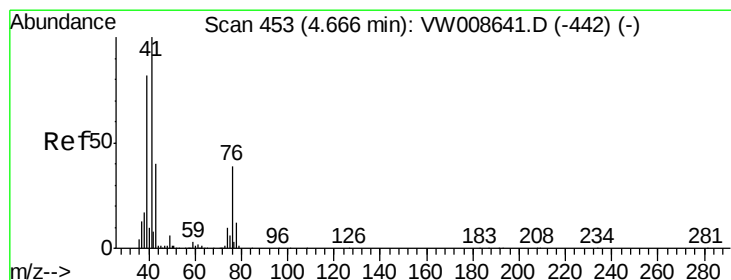
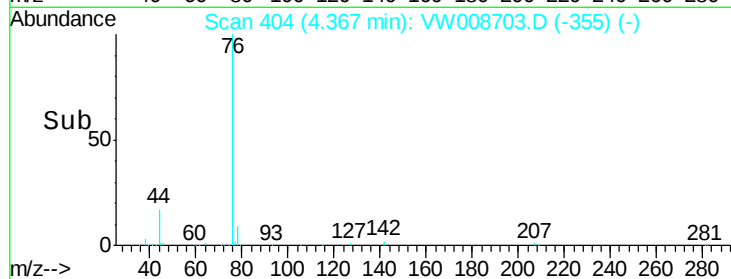
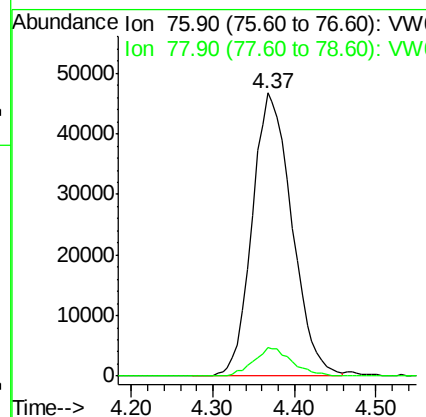
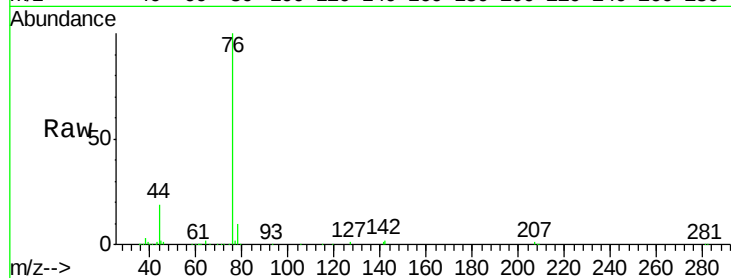
#17
Carbon Disulfide
Concen: 18.464 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.1	10.7

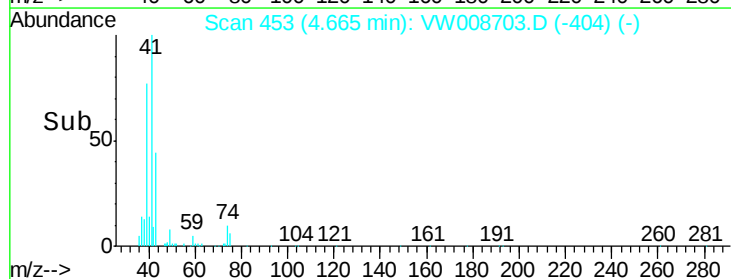
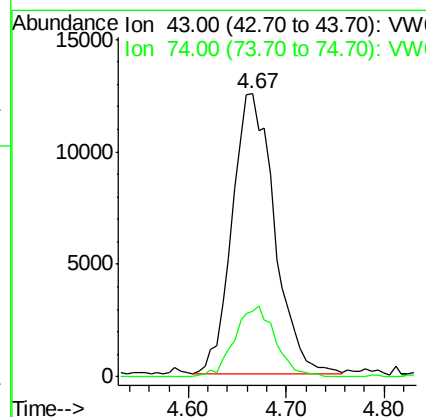
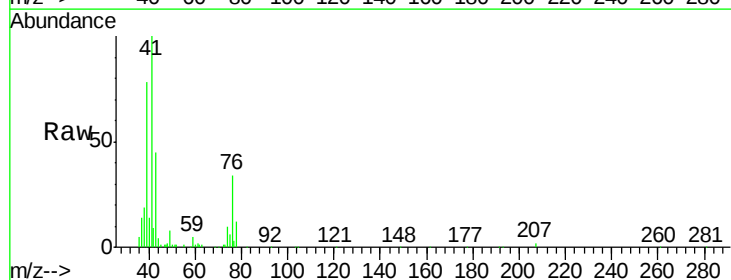
Manual Integrations
APPROVED

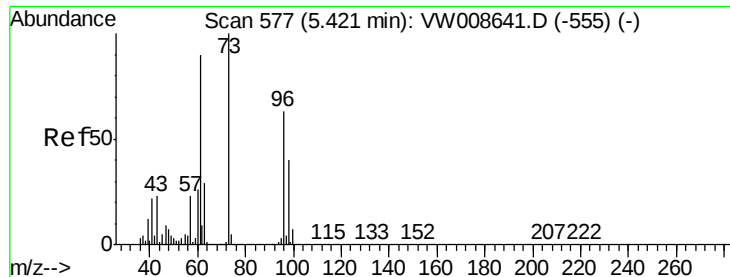
MMDadoda
2/18/2019 2:34:53 PM



#18
Methyl Acetate
Concen: 23.864 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.0	28.4





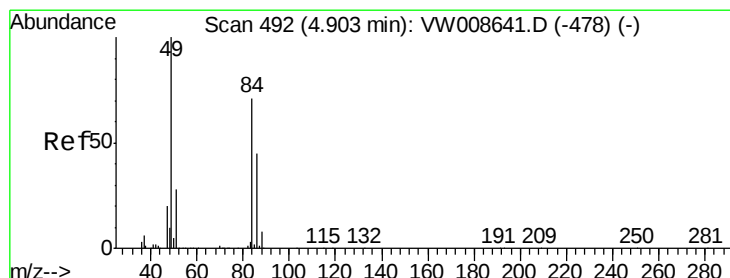
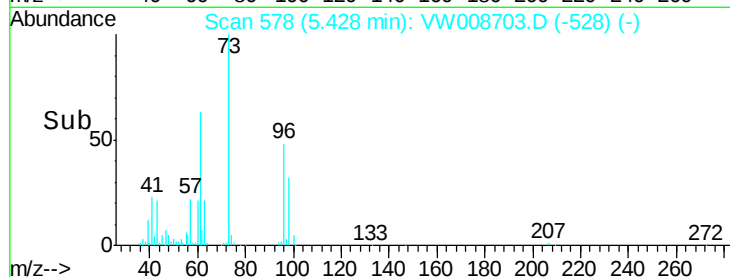
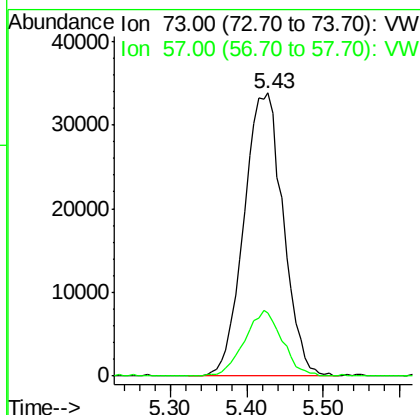
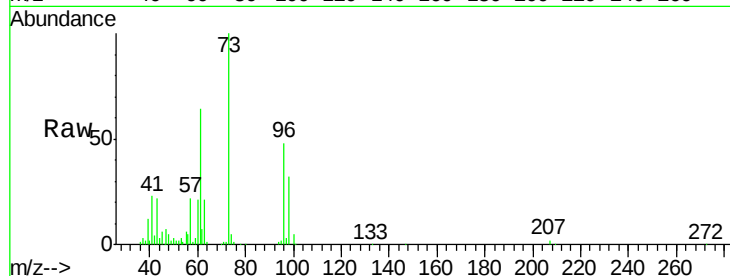
#19
Methvl tert-butvl Ether
Concen: 24.162 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion: 73 Resp: 120570
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2

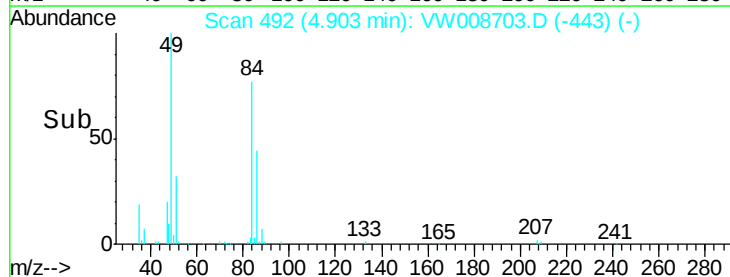
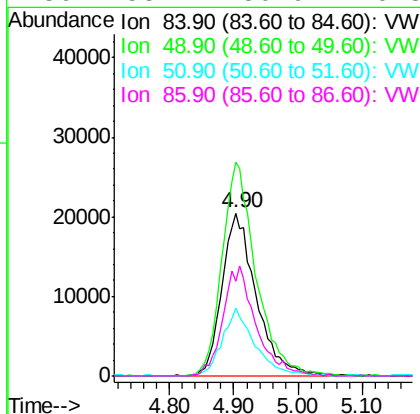
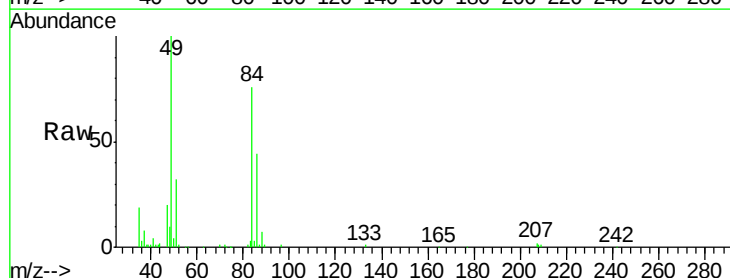
Manual Integrations
APPROVED

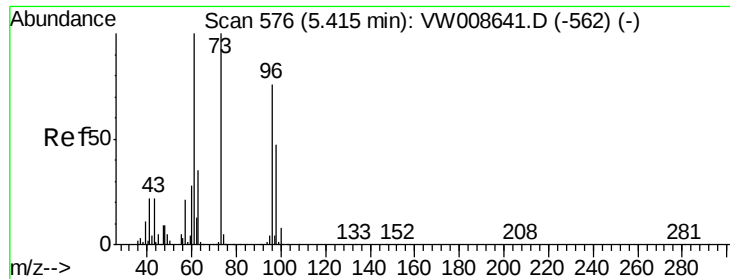
MMDadoda
2/18/2019 2:34:53 PM



#20
Methylene Chloride
Concen: 20.984 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion: 84 Resp: 76426
Ion Ratio Lower Upper
84 100
49 130.4 113.3 169.9
51 41.6 32.1 48.1
86 58.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 21.680 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

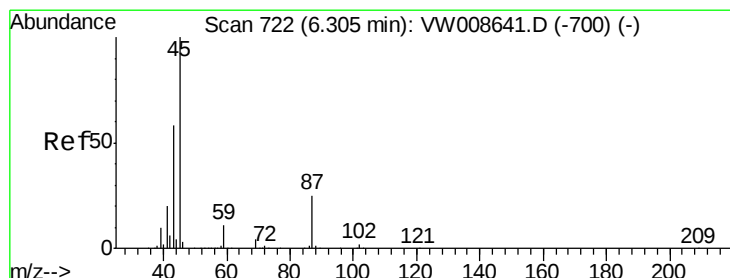
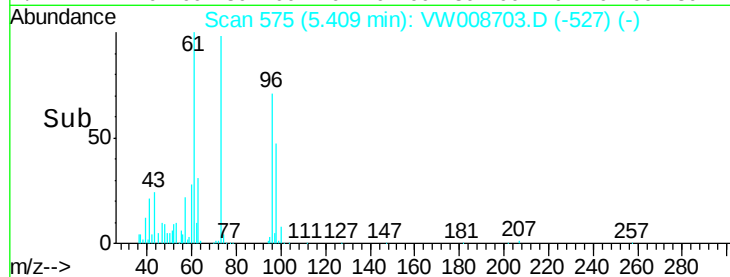
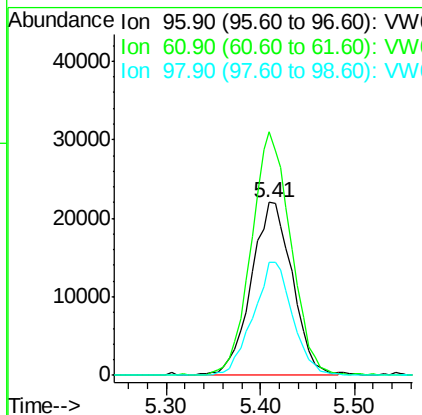
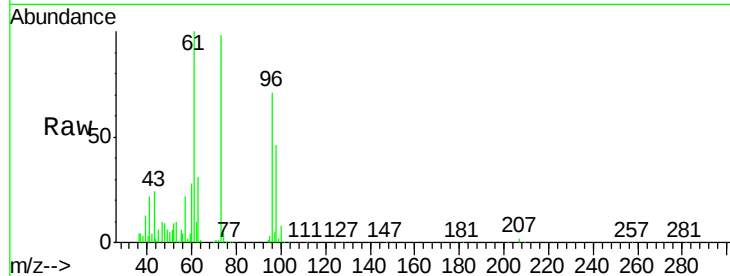
ClientSampleId :

VW0215SBS02

Tot Ion:	96	Resp:	67489
Ion	Ratio	Lower	Upper
96	100		
61	140.6	105.9	158.9
98	65.3	49.8	74.6

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#22

Diisopropyl ether

Concen: 23.126 ug/l

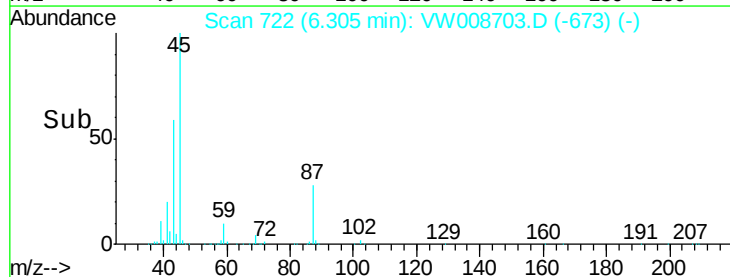
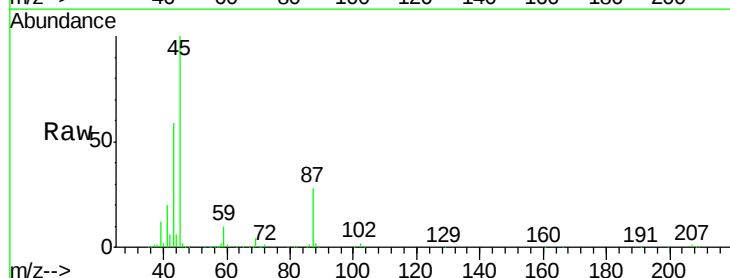
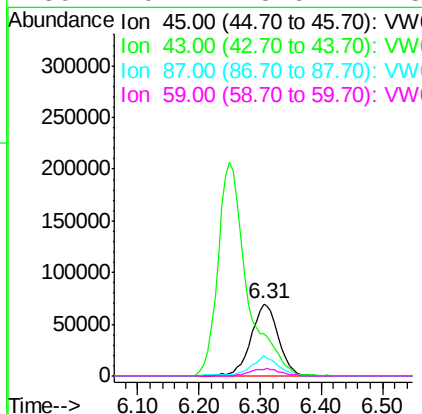
RT: 6.31 min Scan# 722

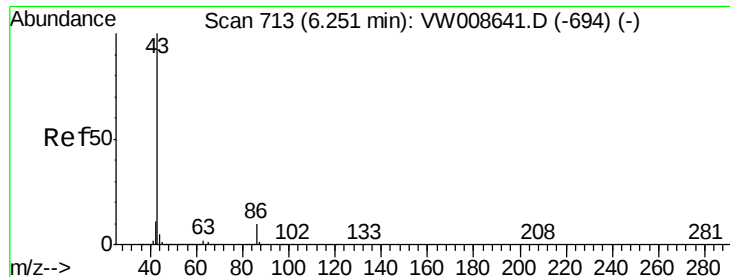
Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Tgt Ion:	45	Resp:	219821
Ion	Ratio	Lower	Upper
45	100		
43	58.8	46.1	69.1
87	27.9	20.5	30.7
59	9.7	8.6	12.8





#23

Vinyl Acetate

Concen: 110.181 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 43 Resp: 679715

Ion Ratio Lower Upper

43 100

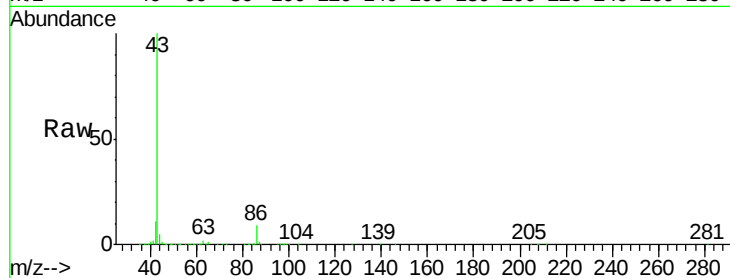
86 9.4 7.9 11.9

Manual Integrations

APPROVED

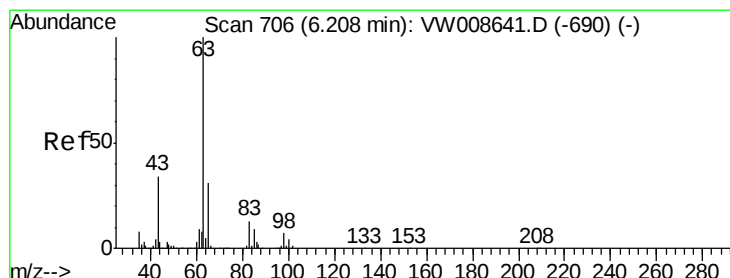
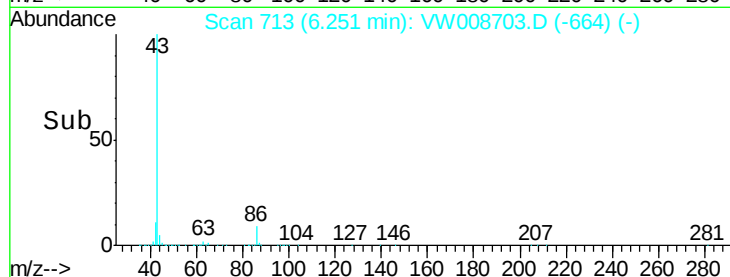
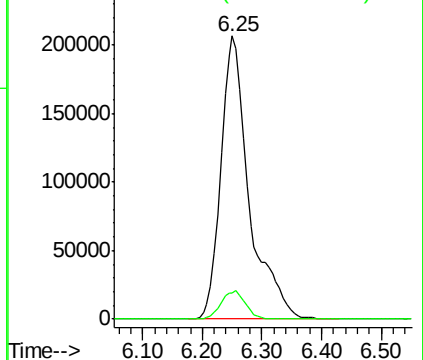
MMDadoda

2/18/2019 2:34:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.833 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

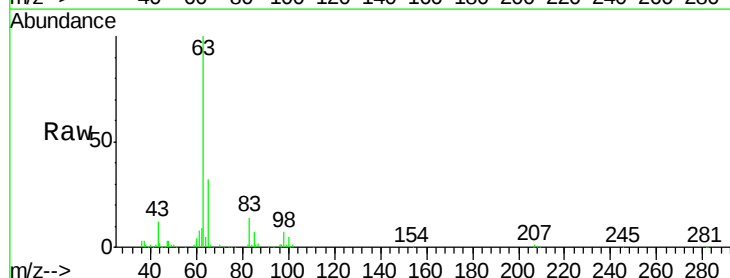
Tgt Ion: 63 Resp: 119751

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.8

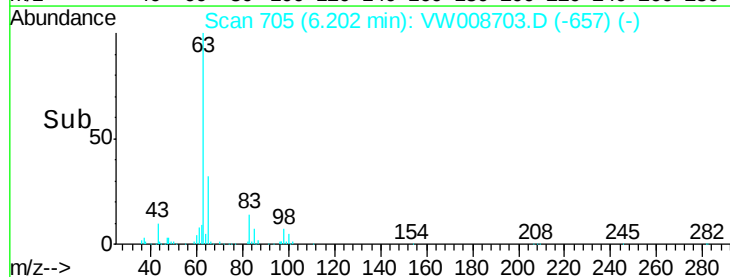
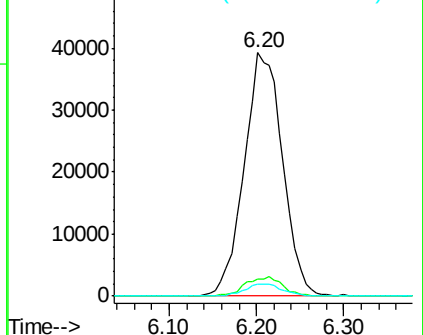
100 4.7 2.2 6.6

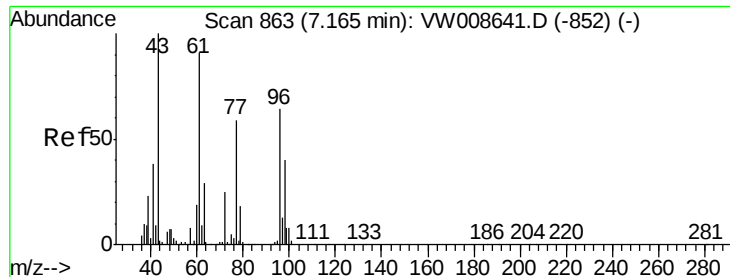


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 115.436 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 43 Resp: 112280

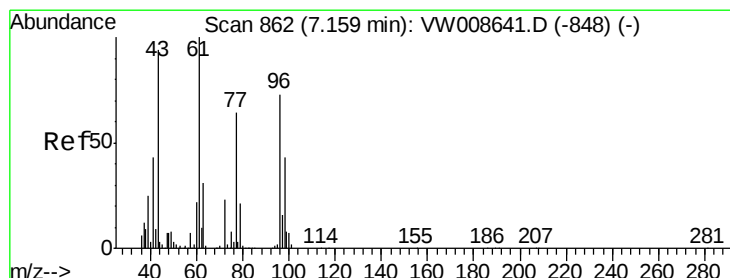
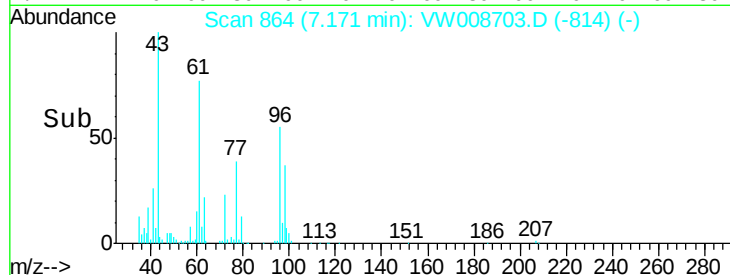
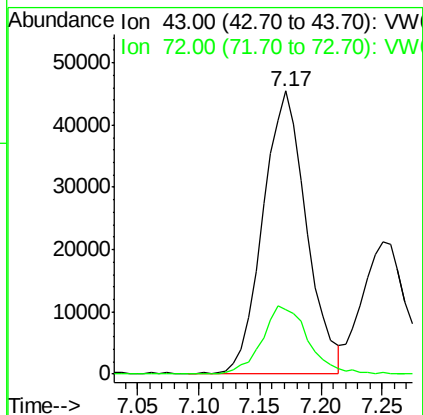
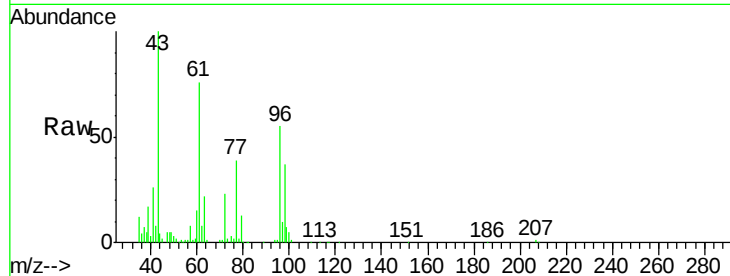
Ion Ratio Lower Upper

43 100

72 22.8 19.7 29.5

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#26

2,2-Dichloropropane

Concen: 18.166 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008703.D

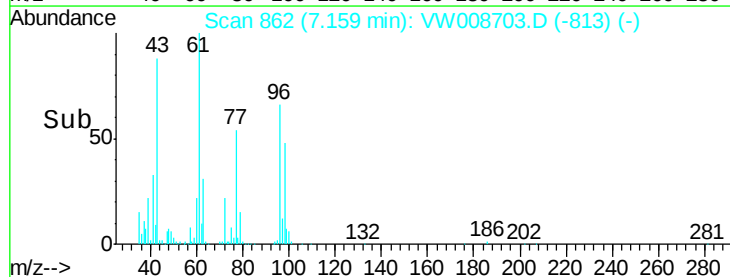
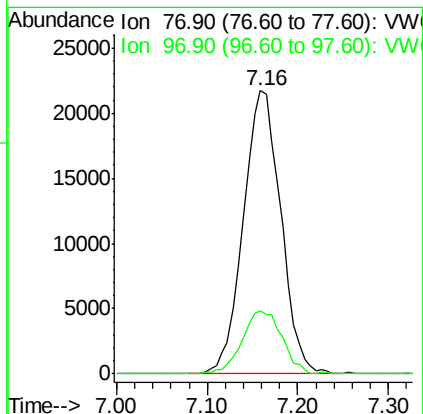
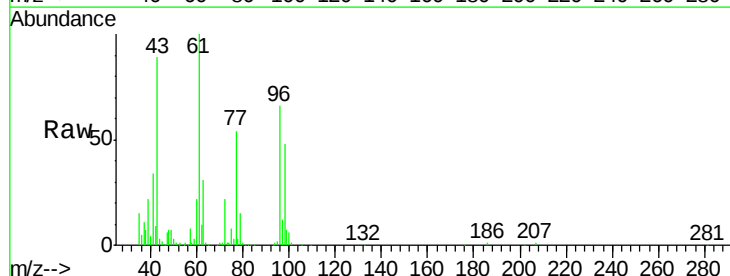
Acq: 16 Feb 2019 01:15

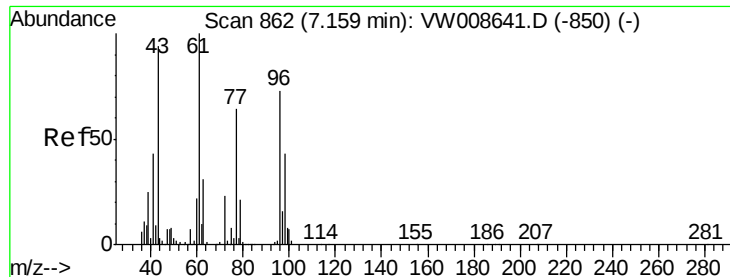
Tgt Ion: 77 Resp: 62244

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0





#27

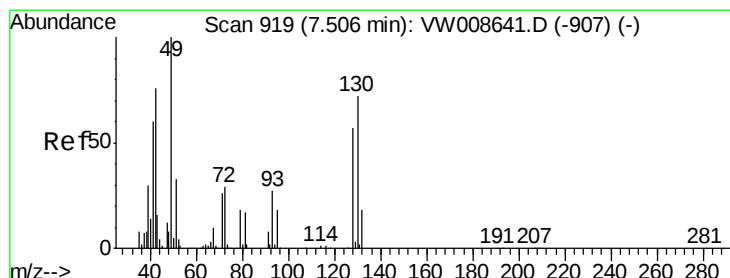
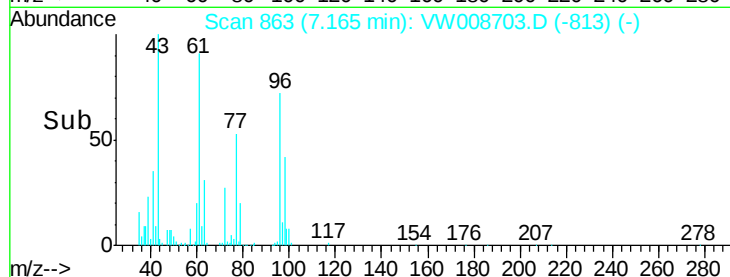
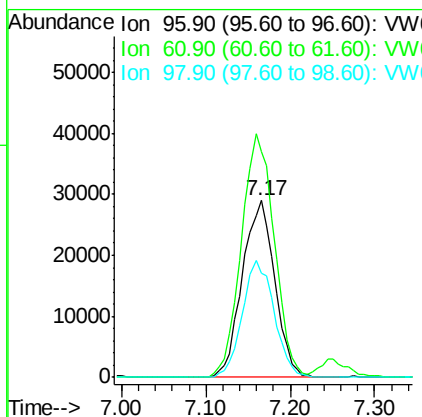
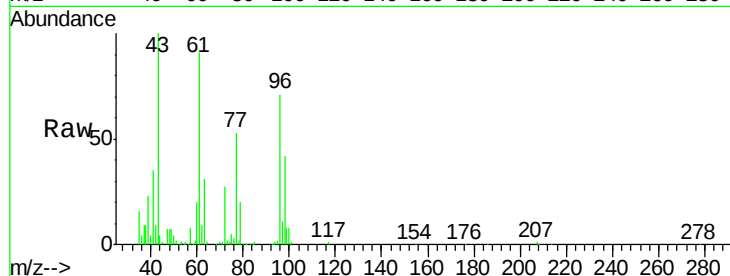
cis-1,2-Dichloroethene
 Concen: 22.407 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	286.4
98	64.8	0.0	125.0

Manual Integrations
 APPROVED

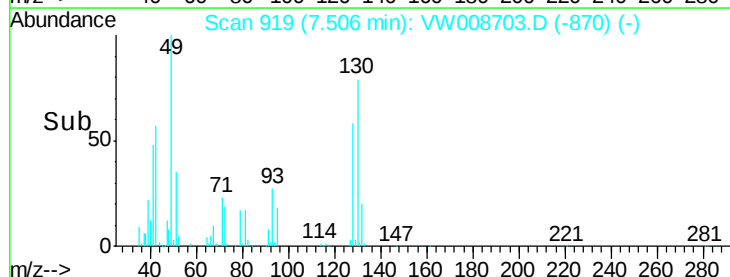
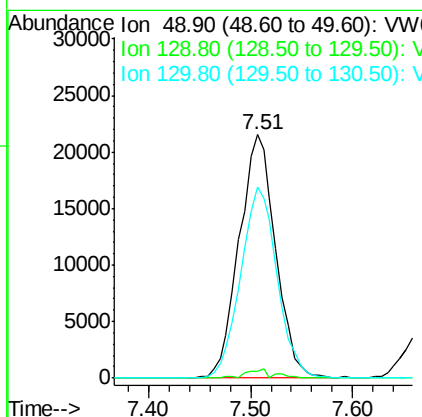
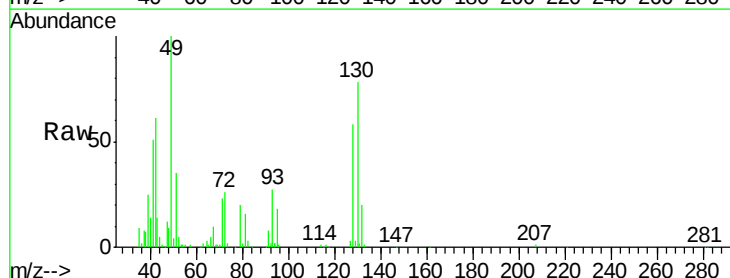
MMDadoda
 2/18/2019 2:34:53 PM

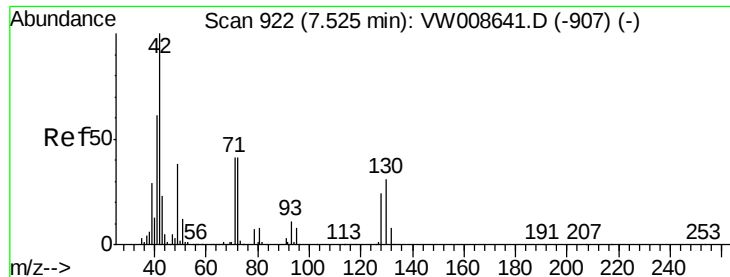


#28

Bromochloromethane
 Concen: 23.071 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.2
130	78.4	59.4	89.0





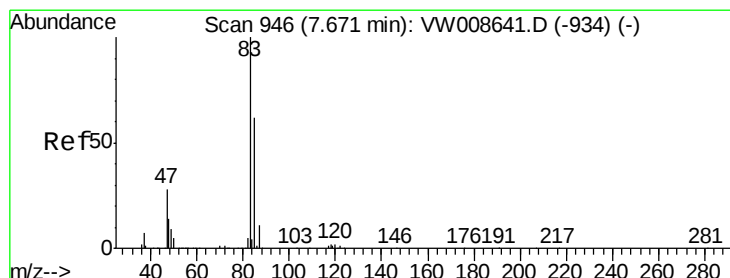
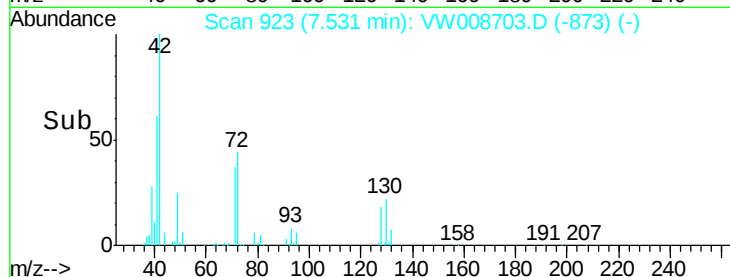
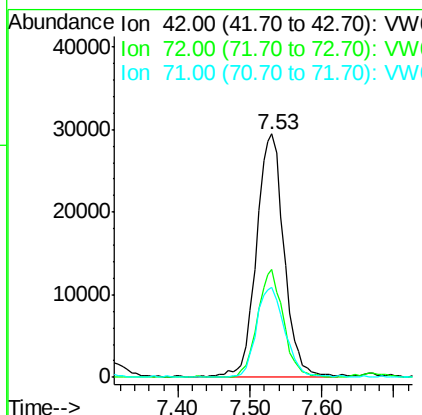
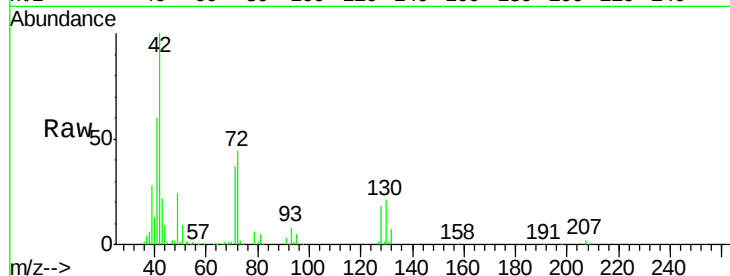
#29
Tetrahydrofuran
Concen: 123.039 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.2	48.2
71	37.5	31.0	46.6

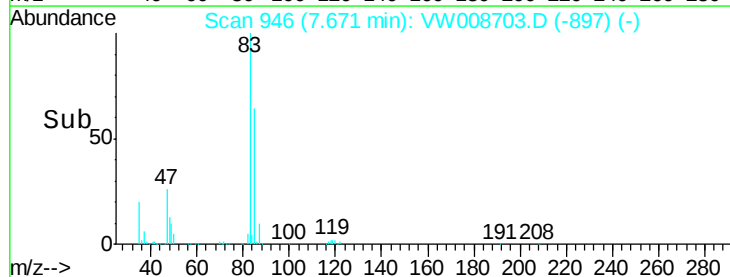
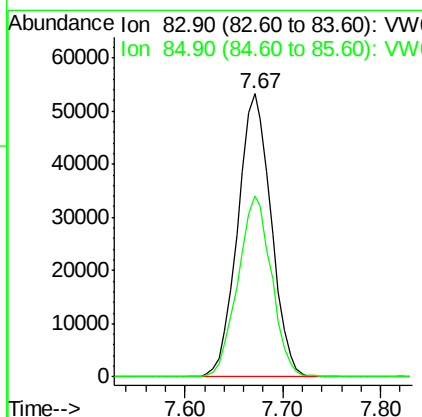
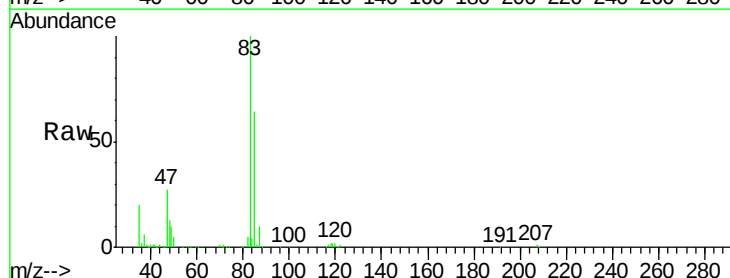
Manual Integrations
APPROVED

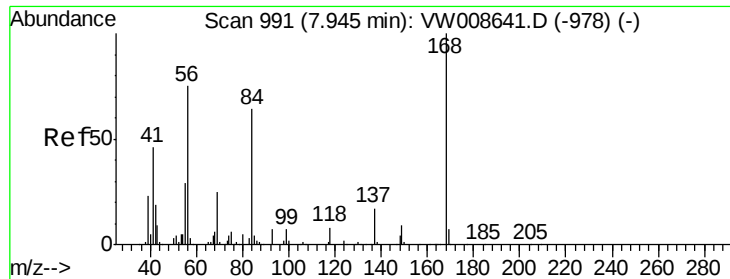
MMDadoda
2/18/2019 2:34:53 PM



#30
Chloroform
Concen: 22.929 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.8	74.8





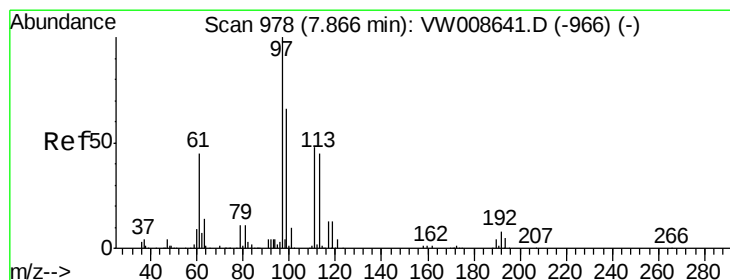
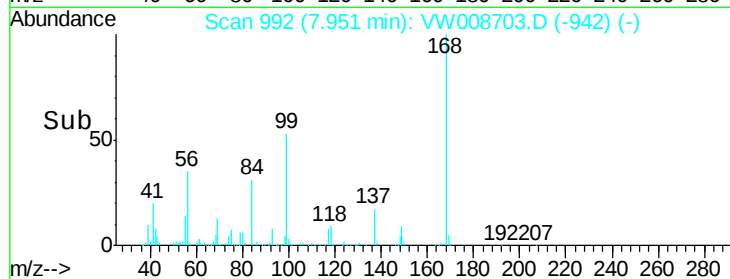
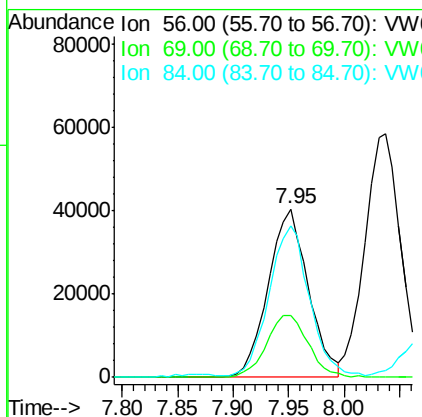
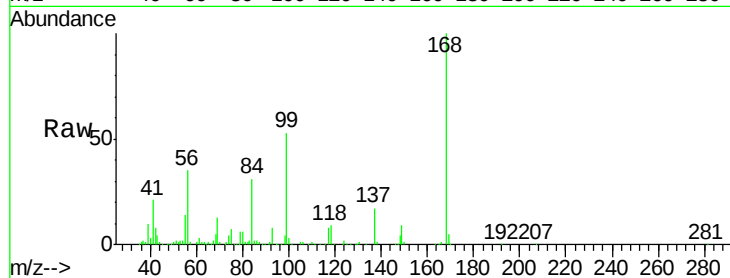
#31
Cvclohexane
Concen: 18.345 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	26.4	39.6
84	88.3	67.4	101.2

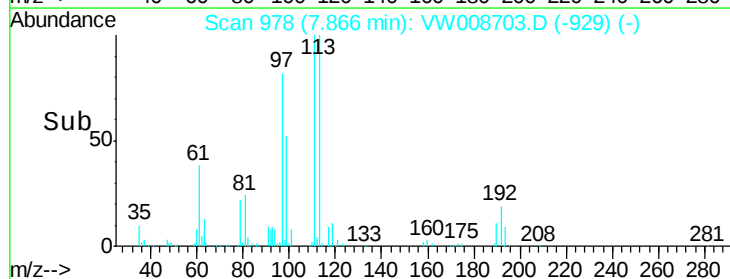
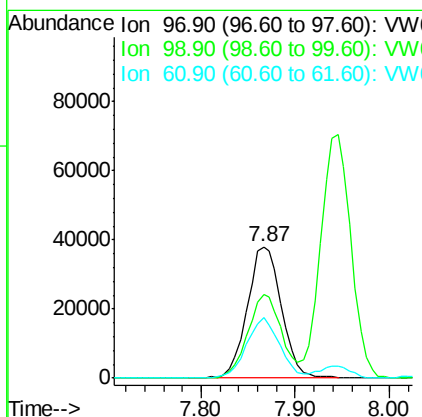
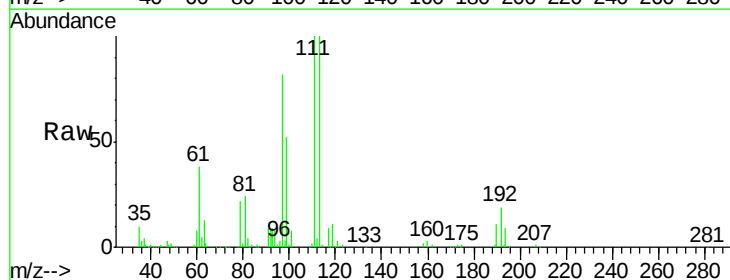
Manual Integrations
APPROVED

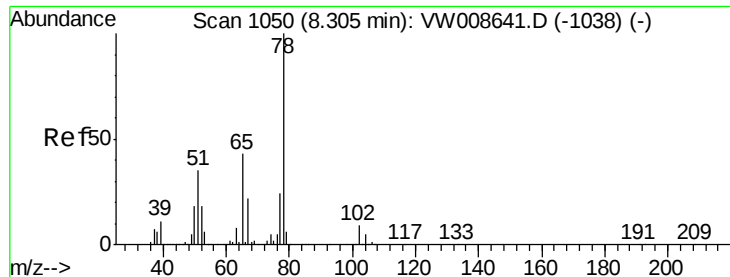
MMDadoda
2/18/2019 2:34:53 PM



#32
1,1,1-Trichloroethane
Concen: 20.826 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	44.4	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 60.945 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 65 Resp: 184484

Ion Ratio Lower Upper

65 100

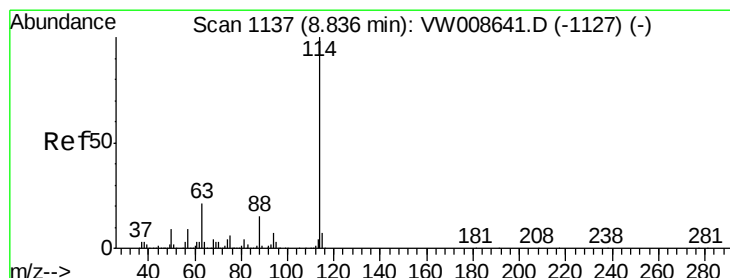
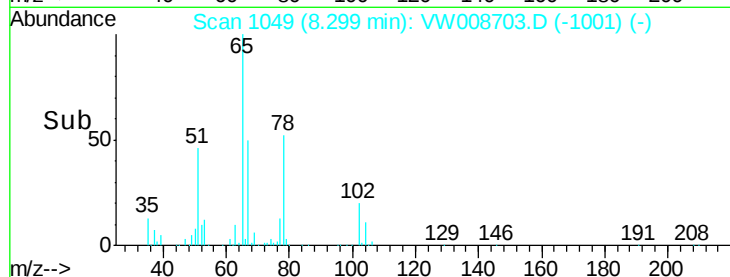
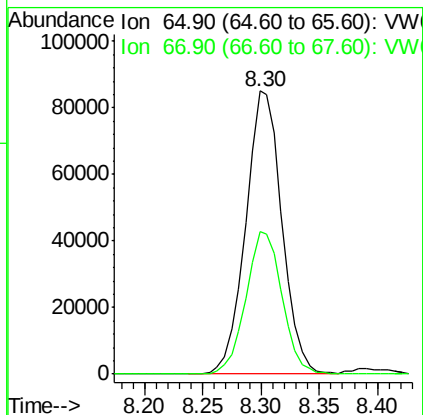
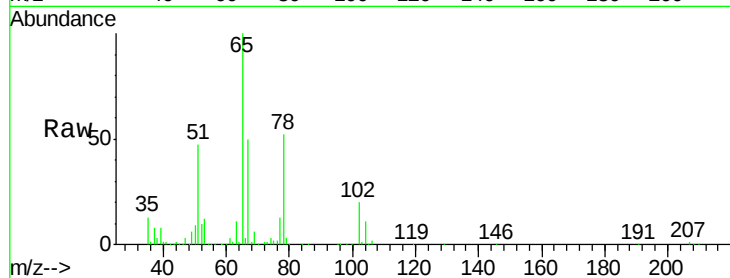
67 50.2 0.0 102.0

Manual Integrations

APPROVED

MMDadoda

2/18/2019 2:34:53 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

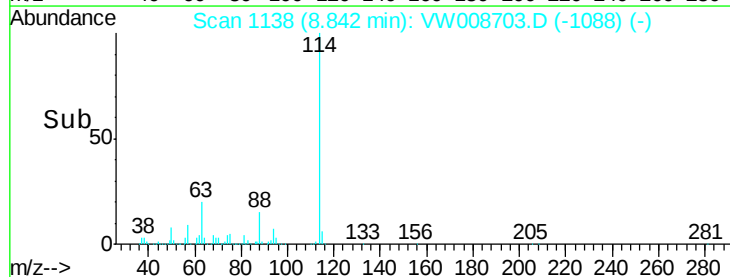
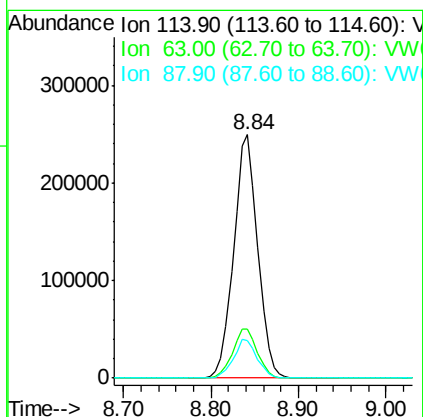
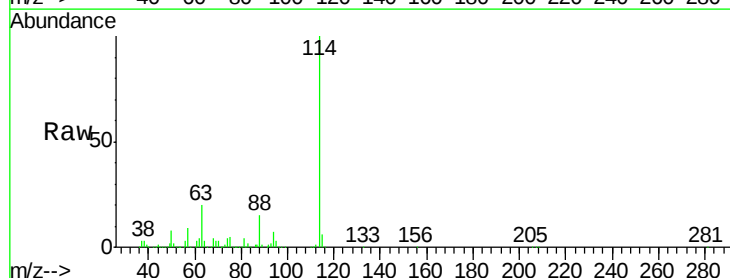
Tgt Ion: 114 Resp: 475430

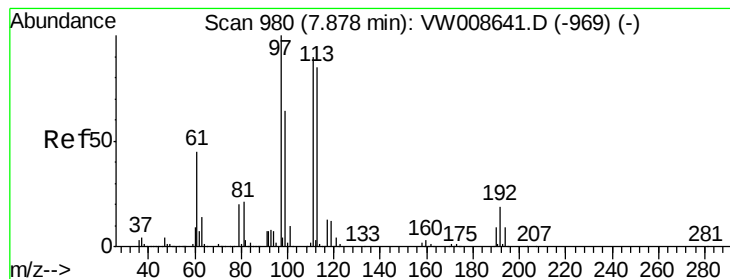
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.2

88 15.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 55.038 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

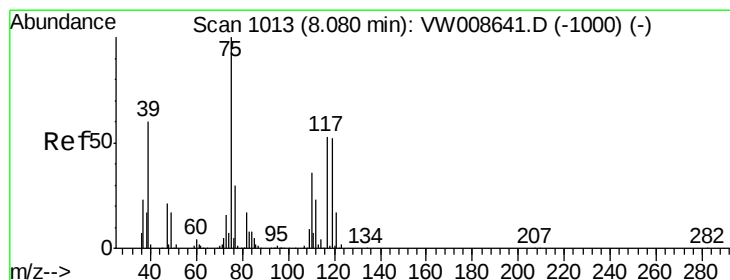
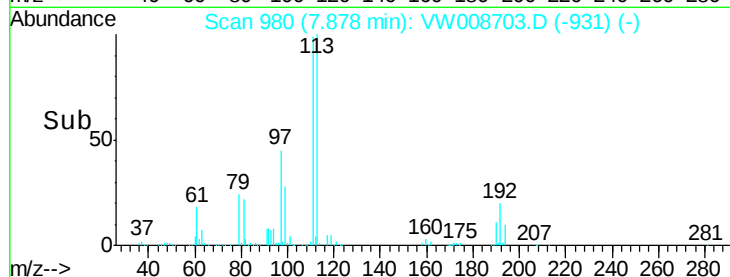
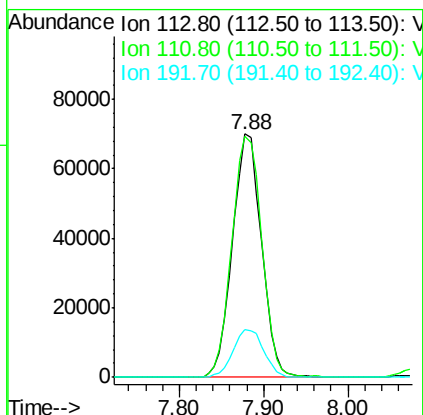
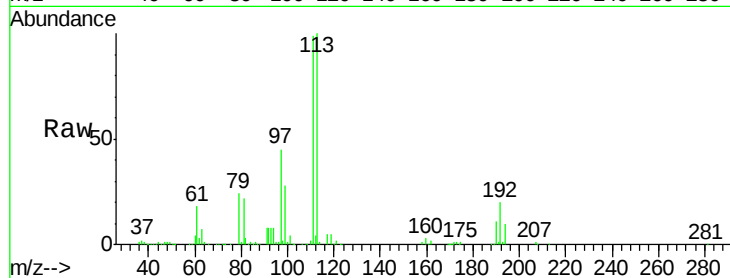
ClientSampleId :

VW0215SBS02

Tot Ion:	113	Resp:	162479
Ion Ratio	Lower	Upper	
113	100		
111	102.7	84.0	126.0
192	20.8	17.4	26.2

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#36

1,1-Dichloropropene

Concen: 18.854 ug/l

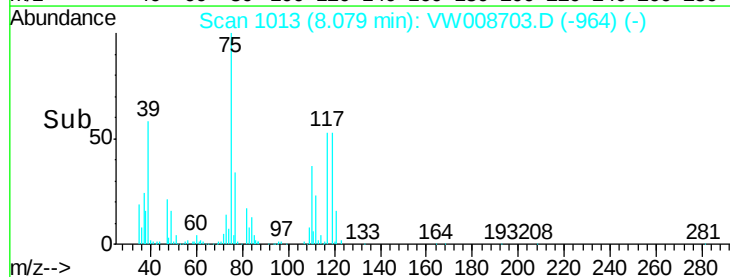
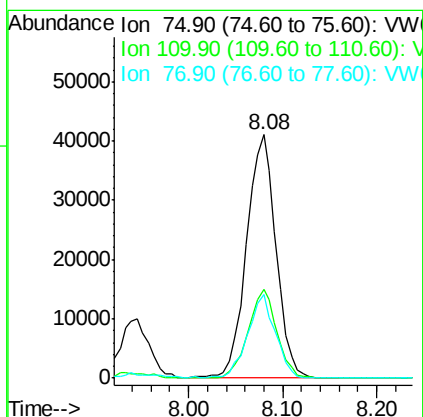
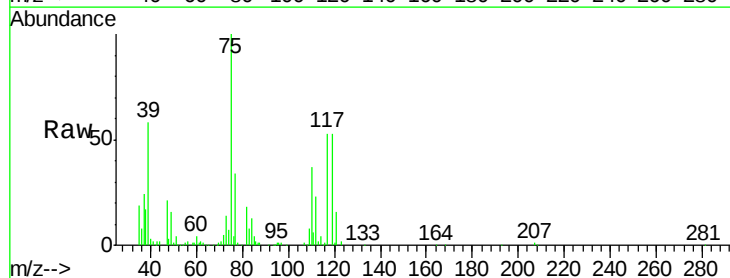
RT: 8.08 min Scan# 1013

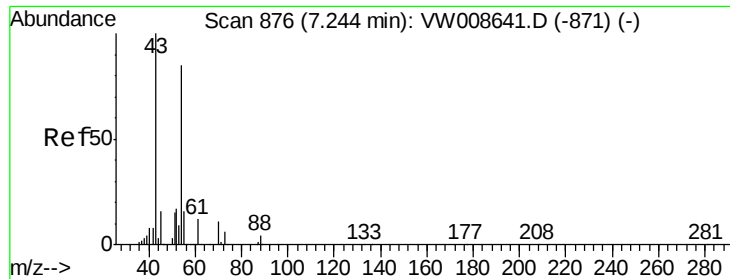
Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Tgt Ion:	75	Resp:	90056
Ion Ratio	Lower	Upper	
75	100		
110	35.6	17.8	53.3
77	32.3	24.7	37.1





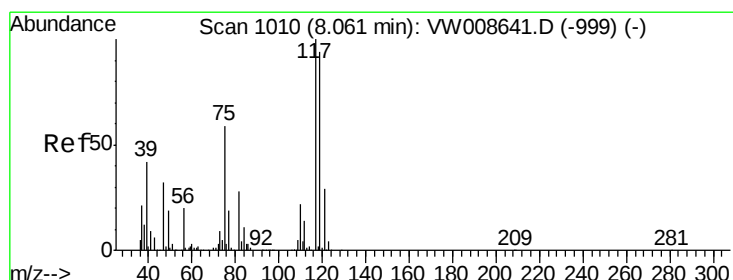
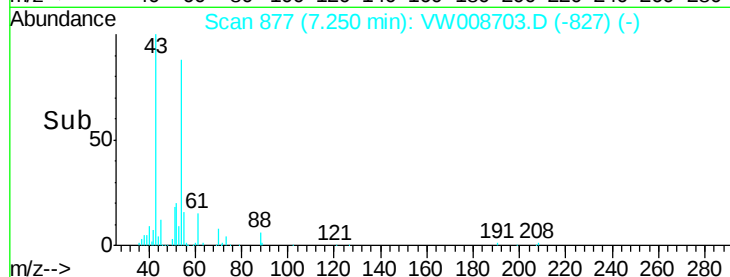
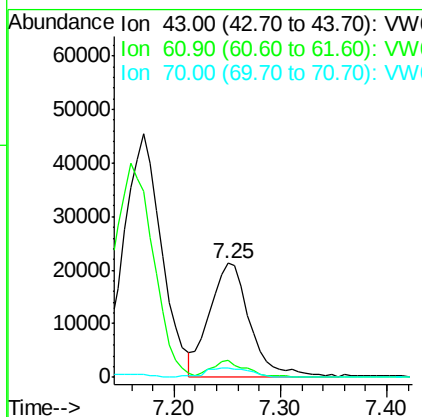
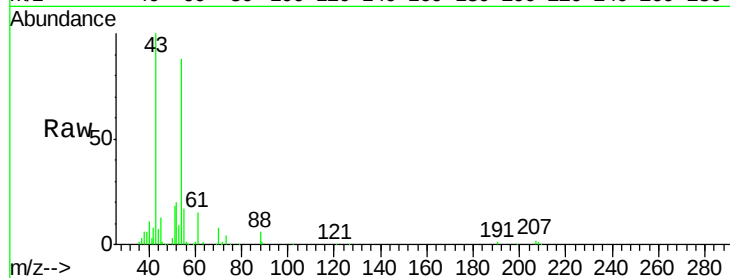
#37
Ethyl Acetate
Concen: 23.918 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.4	8.1	12.1

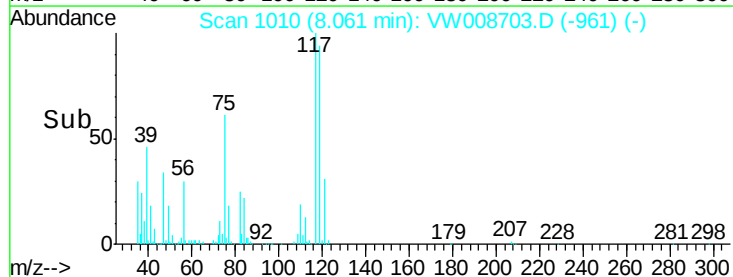
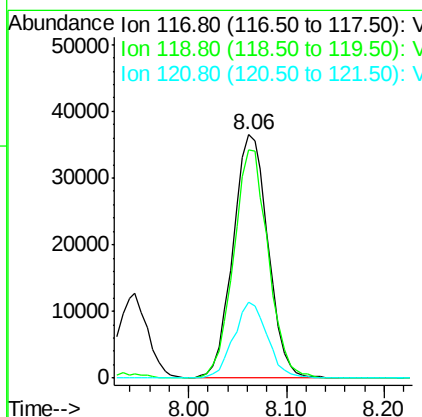
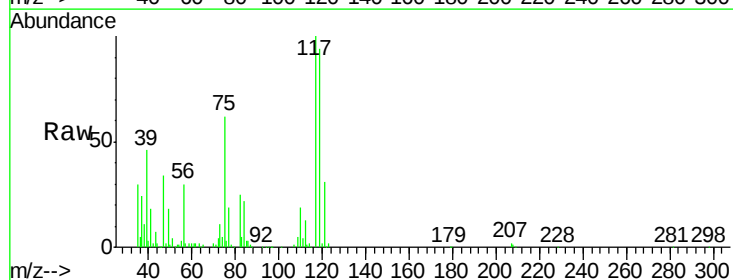
Manual Integrations
APPROVED

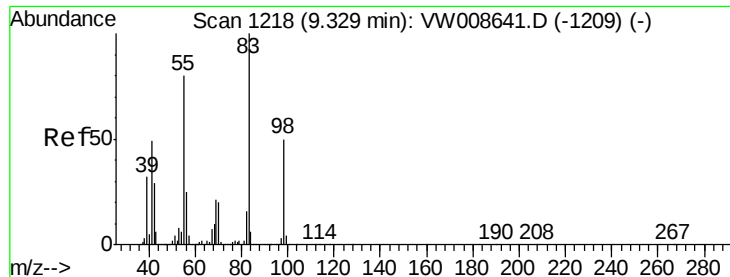
MMDadoda
2/18/2019 2:34:53 PM



#38
Carbon Tetrachloride
Concen: 19.100 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.1	112.7
121	31.4	23.5	35.3





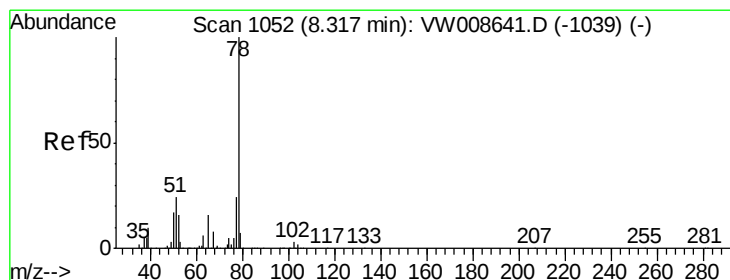
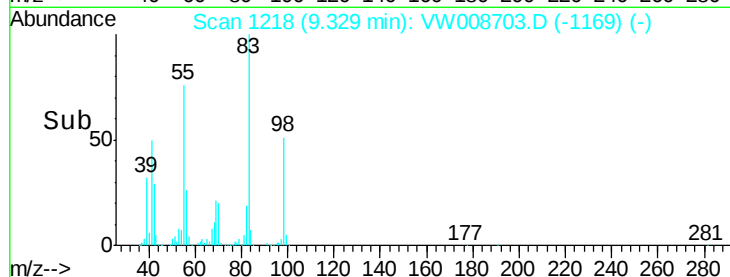
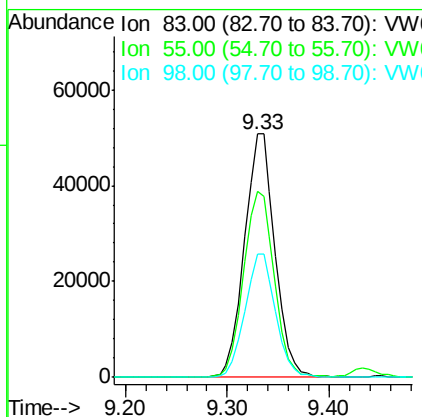
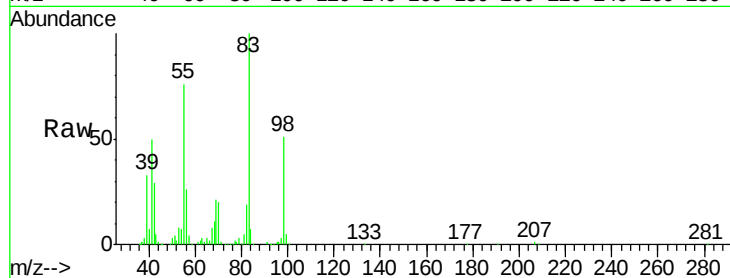
#39
Methvlcvclohexane
Concen: 17.485 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	63.9	95.9
98	50.9	40.2	60.2

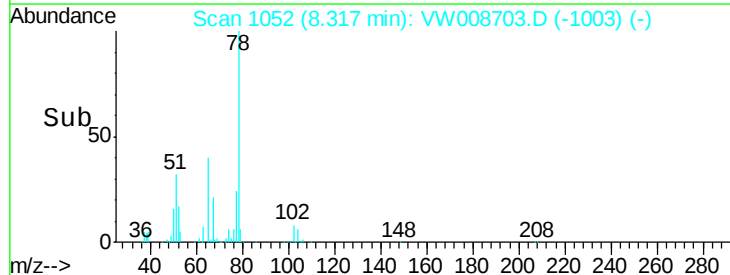
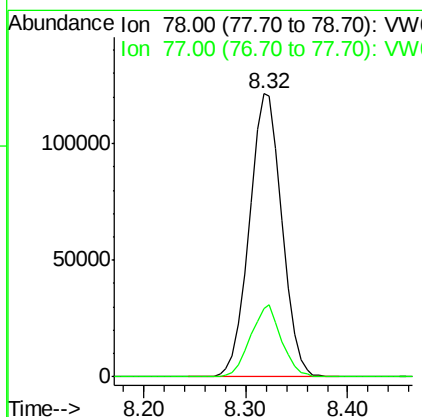
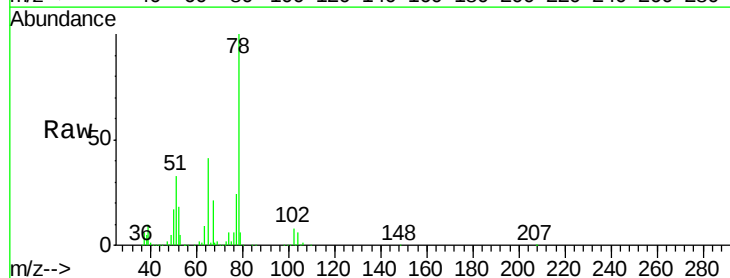
Manual Integrations
APPROVED

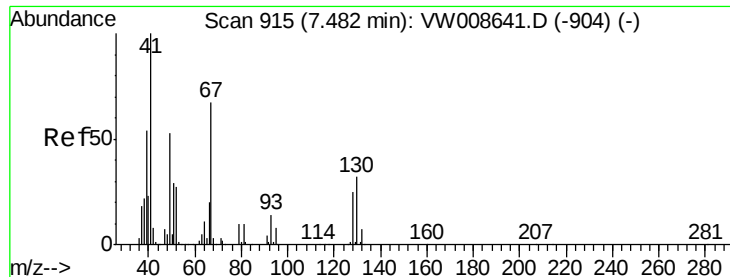
MMDadoda
2/18/2019 2:34:53 PM



#40
Benzene
Concen: 20.669 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.5	29.3





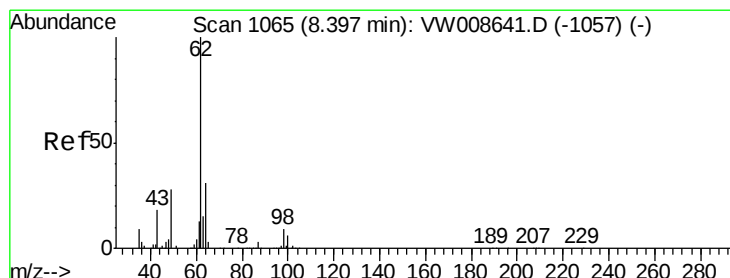
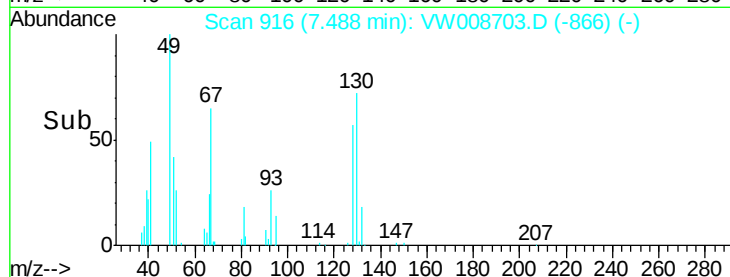
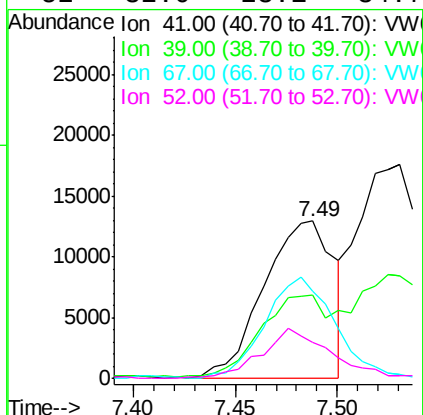
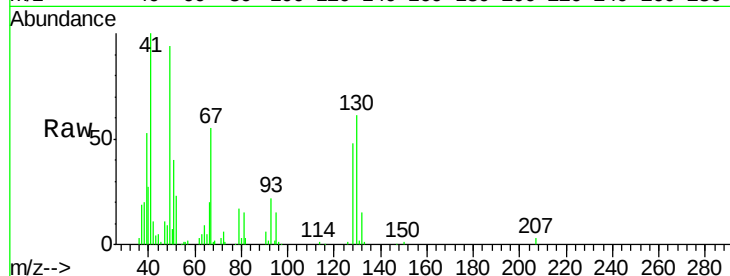
#41
Methacrylonitrile
Concen: 23.900 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD02

Tot Ion	Ion	Ratio	Lower	Upper
30984	41	100		
	39	47.7	39.7	59.5
	67	64.8	52.5	78.7
	52	32.0	23.1	34.7

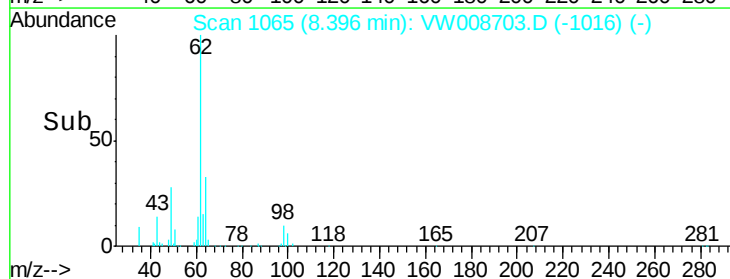
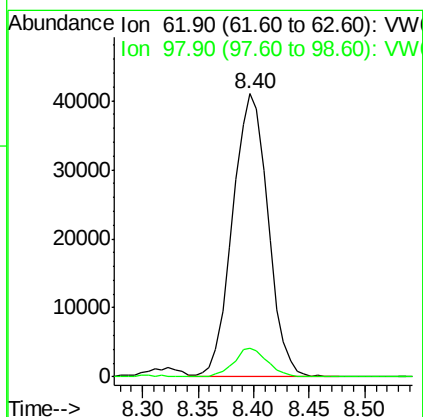
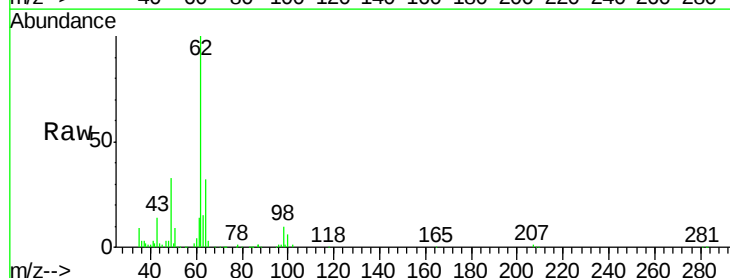
Manual Integrations
APPROVED

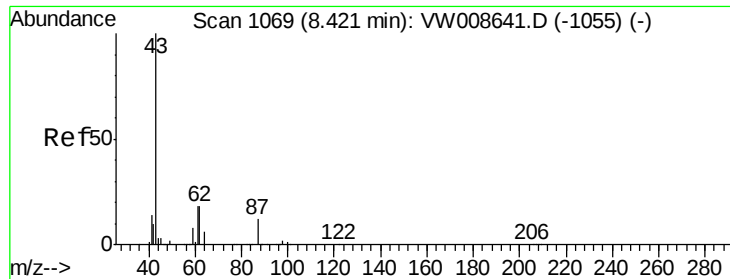
MMDadoda
2/18/2019 2:34:53 PM



#42
1,2-Dichloroethane
Concen: 22.414 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ion	Ratio	Lower	Upper
90697	62	100		
	98	9.5	0.0	18.2





#43

Isopropyl Acetate

Concen: 21.740 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

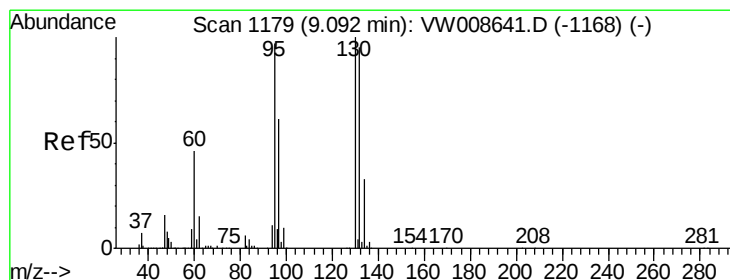
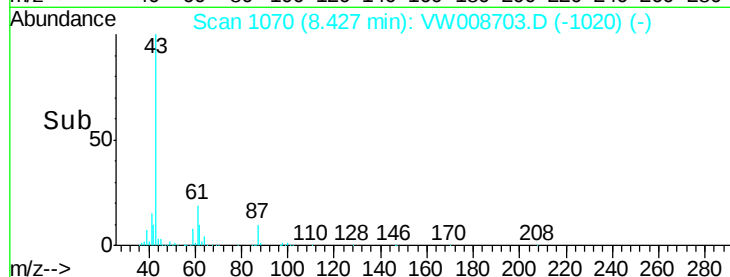
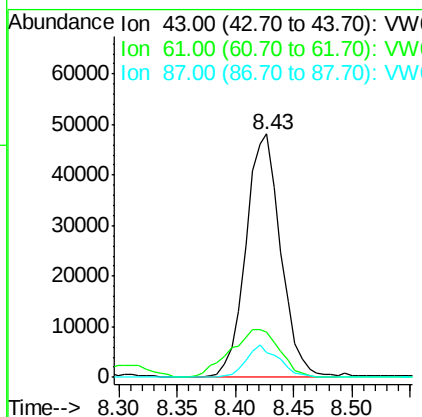
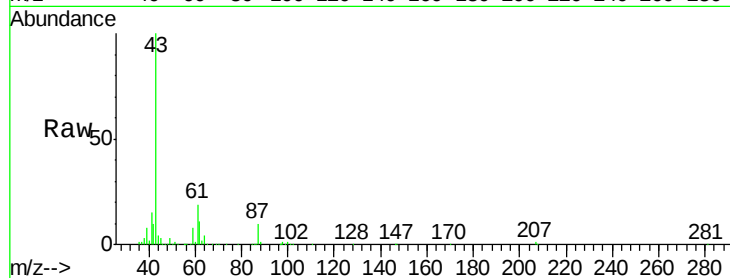
ClientSampleId :

VW0215SBS02

Tot Ion:	43	Resp:	99885
Ion	Ratio	Lower	Upper
43	100		
61	28.3	21.4	32.2
87	12.9	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#44

Trichloroethene

Concen: 20.268 ug/l

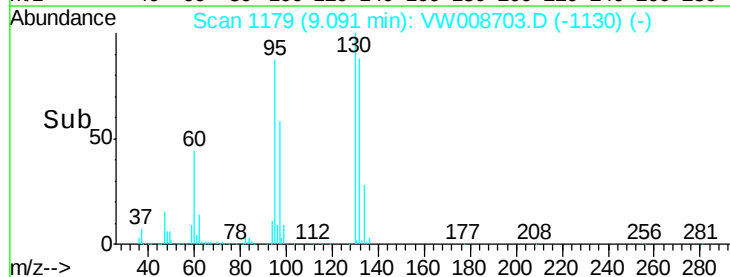
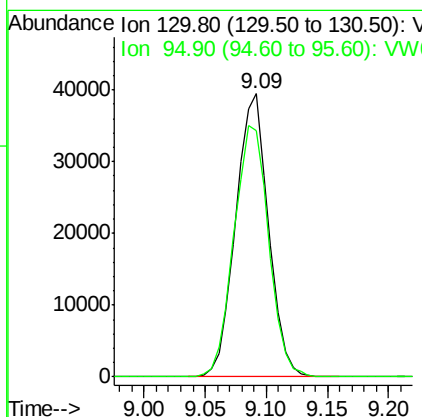
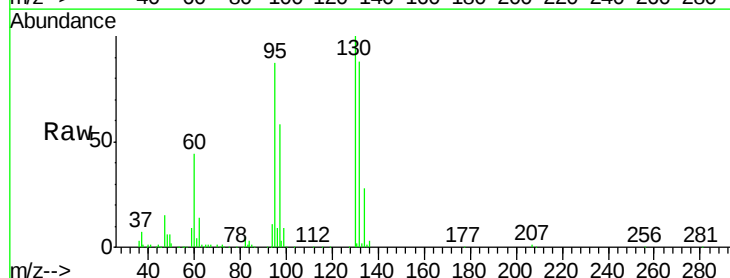
RT: 9.09 min Scan# 1179

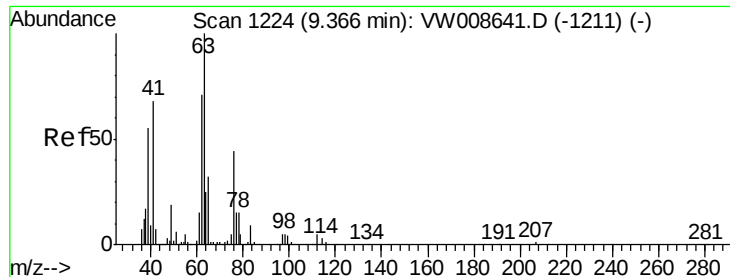
Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Tgt Ion:	130	Resp:	73311
Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	193.4





#45

1,2-Dichloropropane

Concen: 21.781 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBSD02

Tot Ion: 63 Resp: 70319

Ion Ratio Lower Upper

63 100

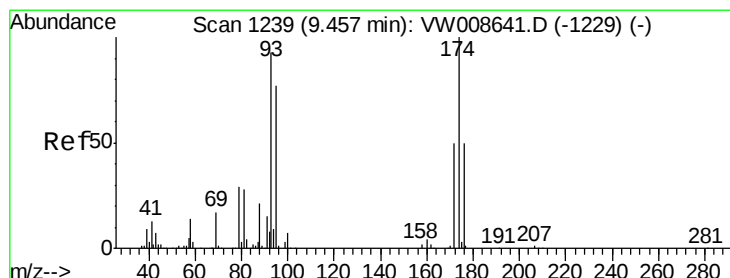
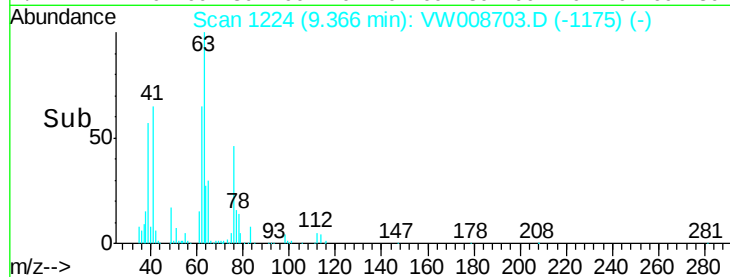
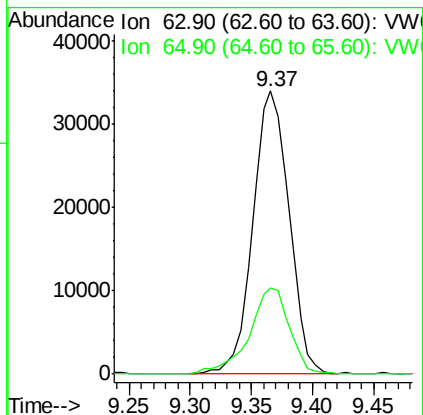
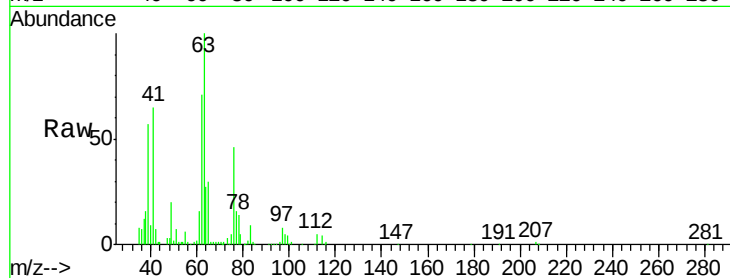
65 30.2 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

2/18/2019 2:34:53 PM



#46

Dibromomethane

Concen: 23.130 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

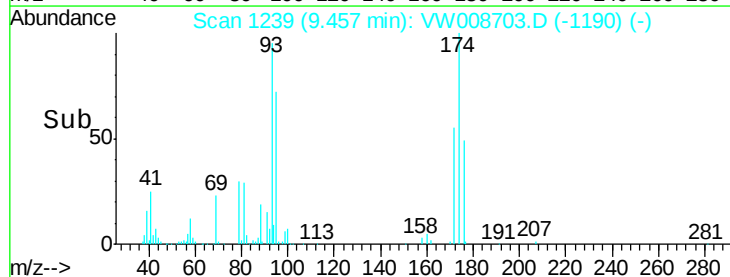
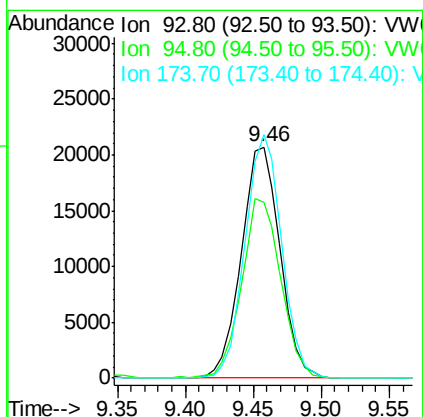
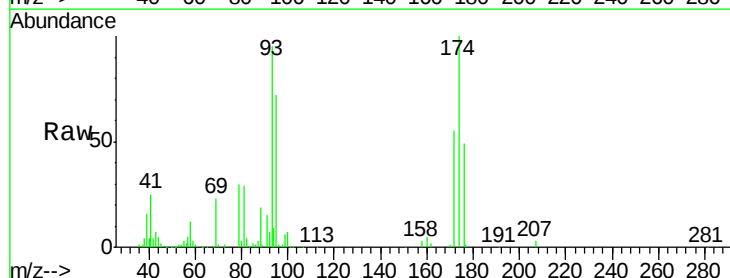
Tgt Ion: 93 Resp: 41136

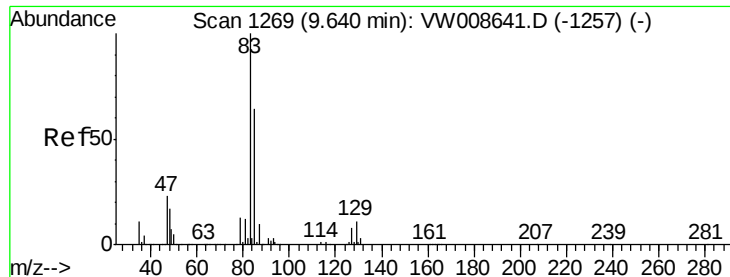
Ion Ratio Lower Upper

93 100

95 78.8 65.8 98.8

174 100.5 82.5 123.7





#47

Bromodichloromethane

Concen: 21.610 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

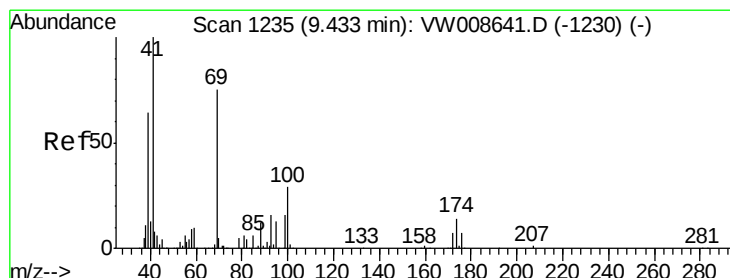
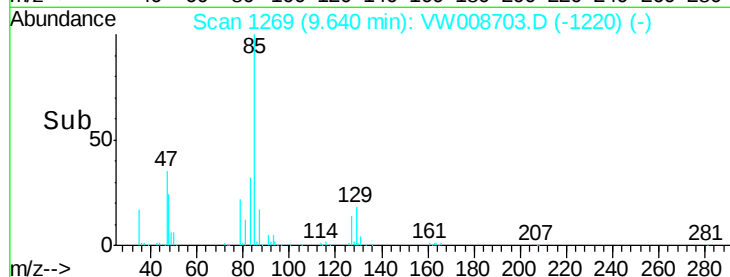
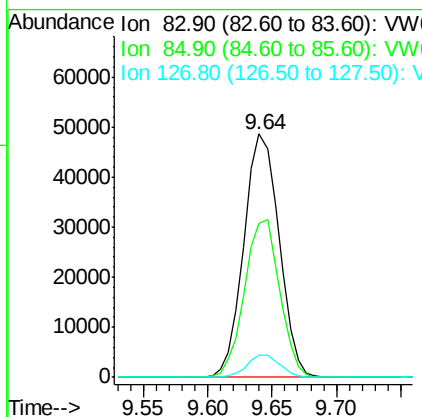
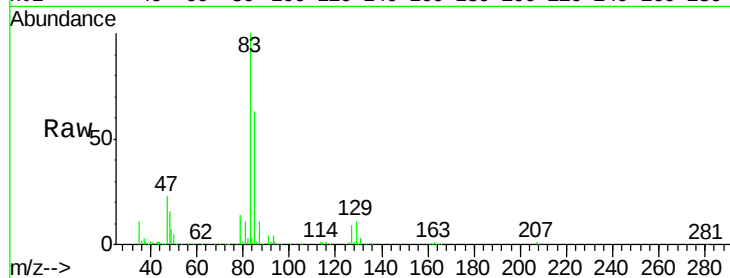
ClientSampleId :

VW0215SBS02

Tot Ion:	83	Resp:	92365
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.2	76.8
127	8.9	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#48

Methyl methacrylate

Concen: 21.966 ug/l

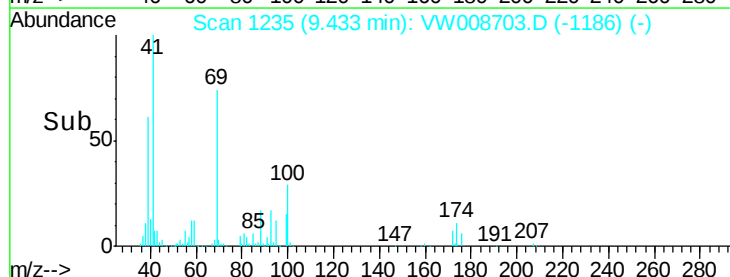
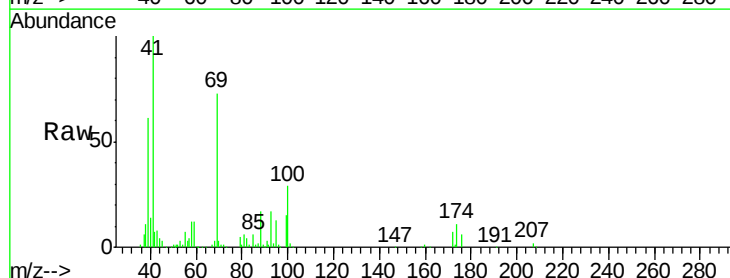
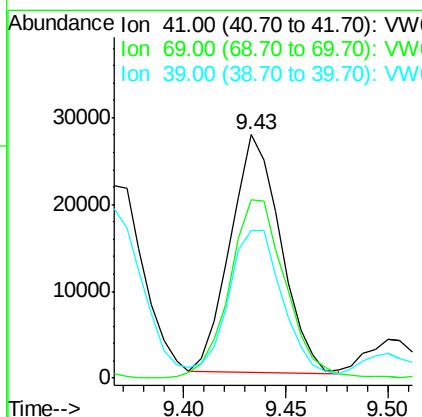
RT: 9.43 min Scan# 1235

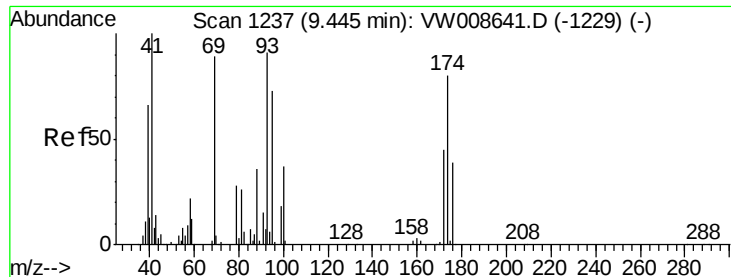
Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Tgt Ion:	41	Resp:	46770
Ion Ratio	Lower	Upper	
41	100		
69	83.0	64.1	96.1
39	66.7	52.3	78.5





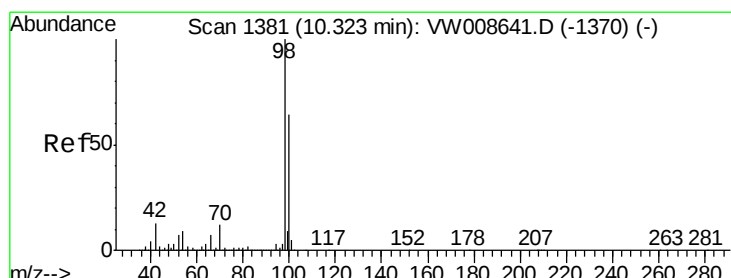
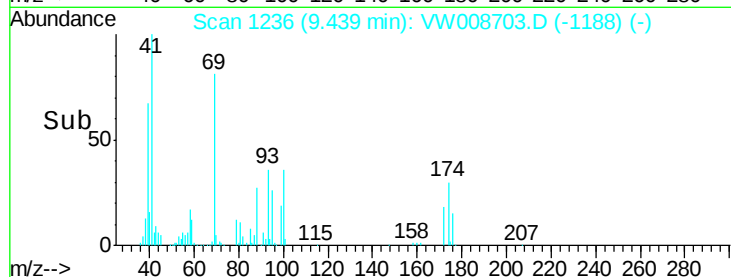
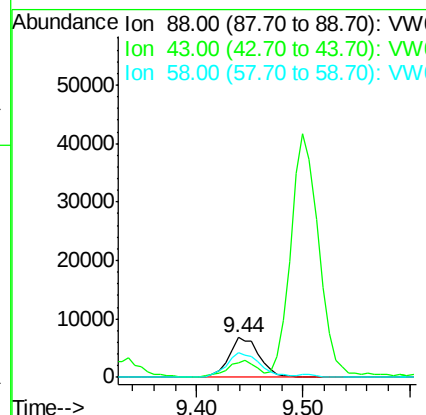
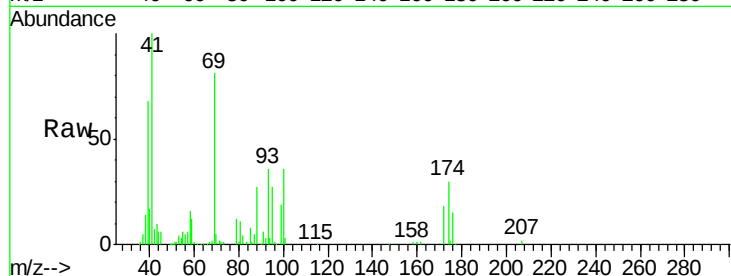
#49
1,4-Dioxane
Concen: 488.447 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	31.0	46.6
58	67.0	57.0	85.6

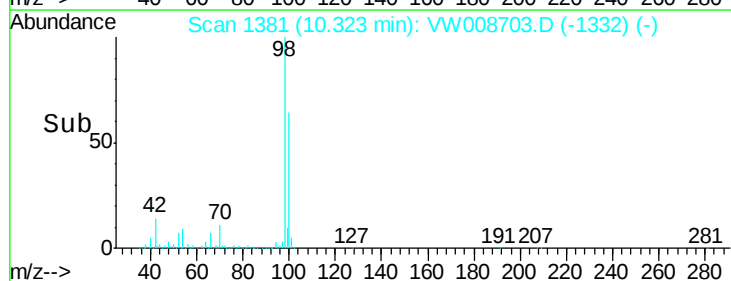
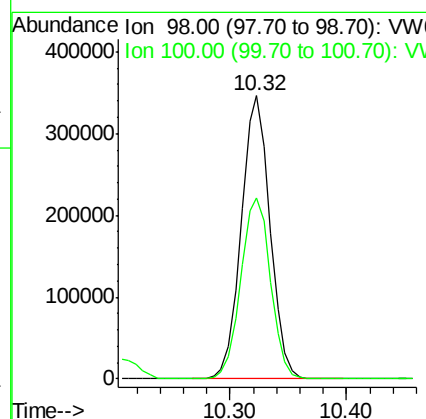
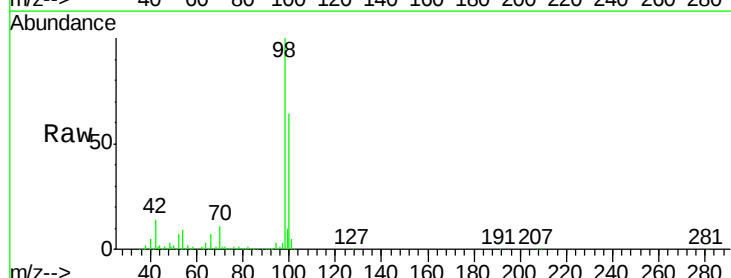
Manual Integrations
APPROVED

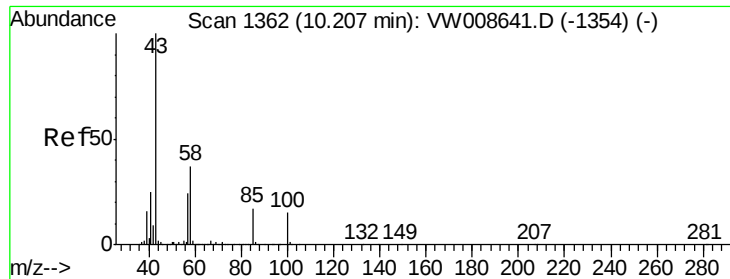
MMDadoda
2/18/2019 2:34:53 PM



#50
Toluene-d8
Concen: 52.277 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 109.932 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 43 Resp: 259453

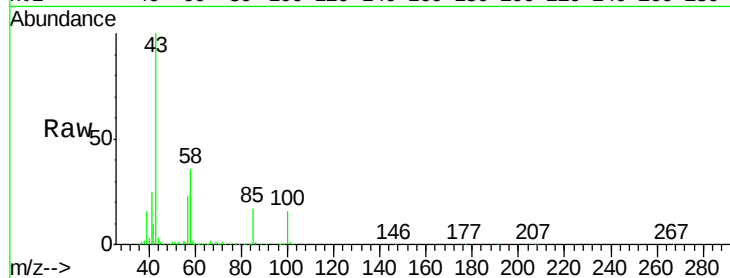
Ion Ratio Lower Upper

43 100

58 37.3 29.0 43.6

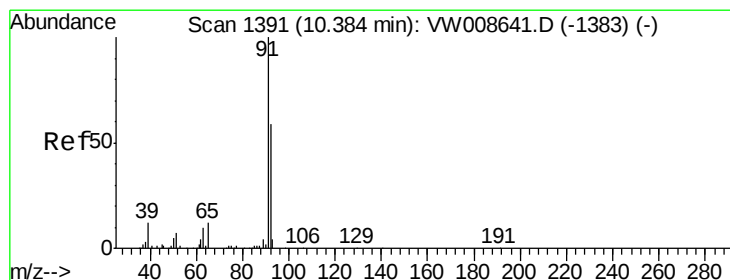
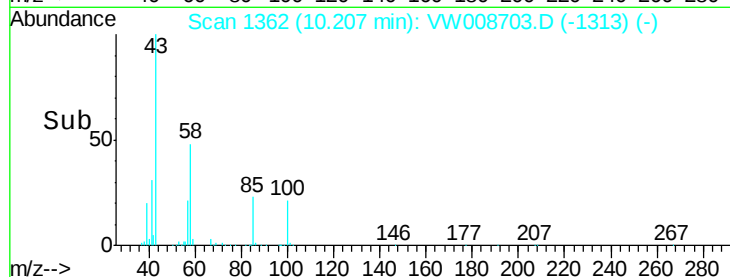
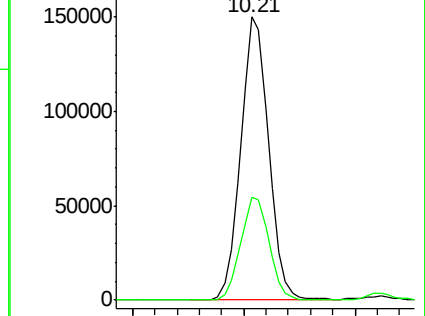
Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.279 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008703.D

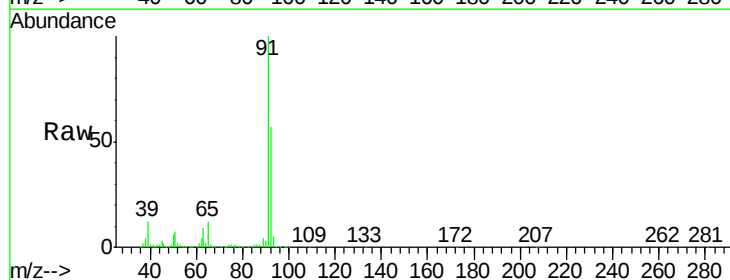
Acq: 16 Feb 2019 01:15

Tgt Ion: 92 Resp: 170662

Ion Ratio Lower Upper

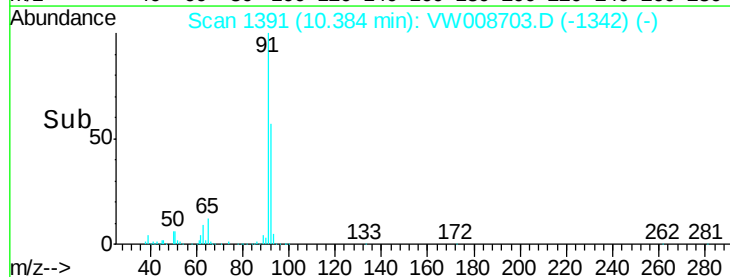
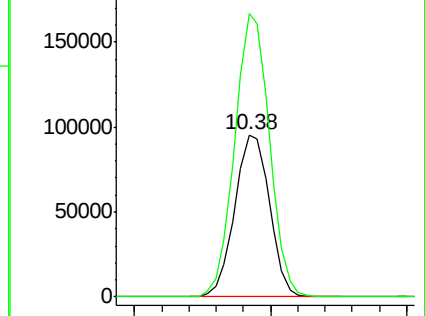
92 100

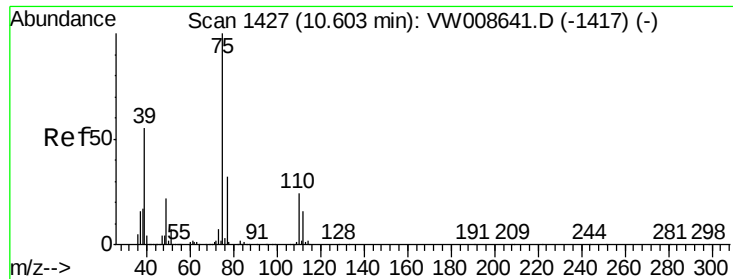
91 173.8 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





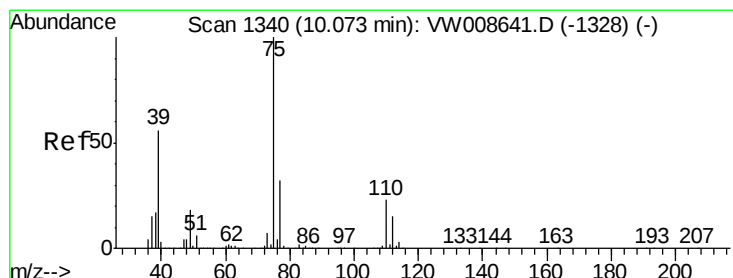
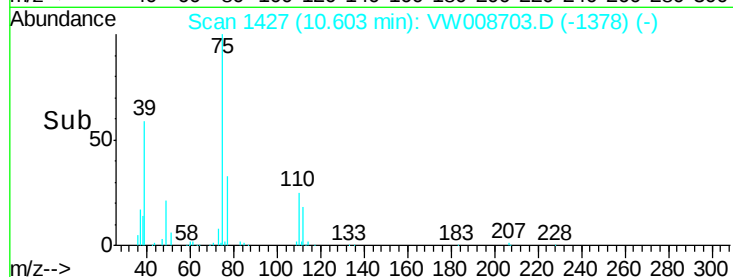
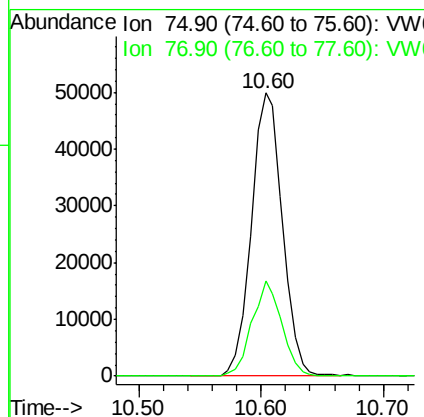
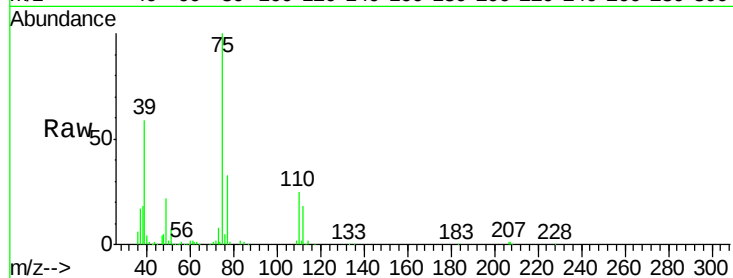
#53
t-1,3-Dichloropropene
Concen: 19.581 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion: 75 Resp: 87922
Ion Ratio Lower Upper
75 100
77 33.4 25.7 38.5

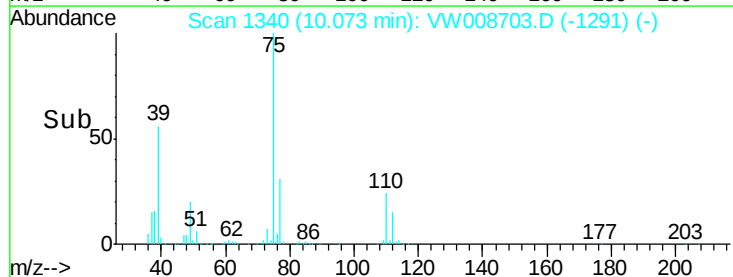
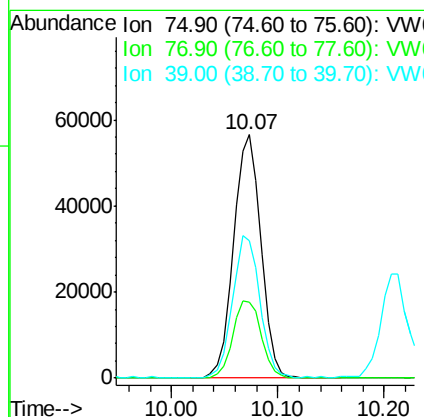
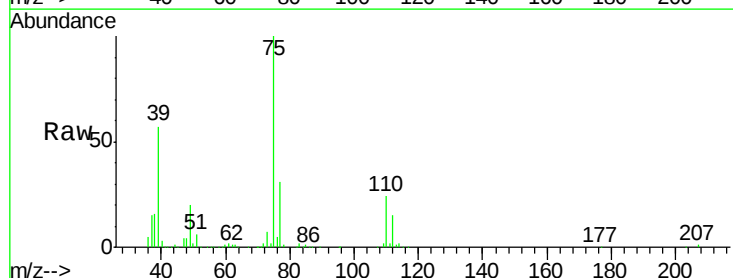
Manual Integrations
APPROVED

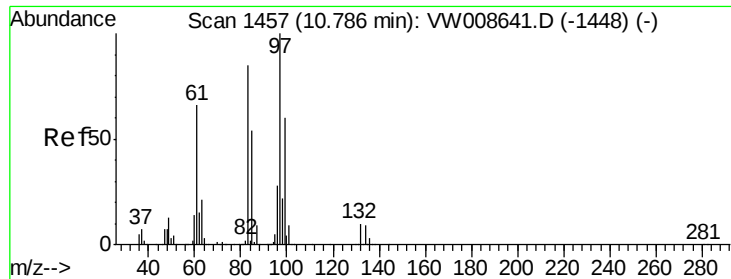
MMDadoda
2/18/2019 2:34:53 PM



#54
cis-1,3-Dichloropropene
Concen: 20.031 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion: 75 Resp: 101958
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0
39 56.5 44.5 66.7





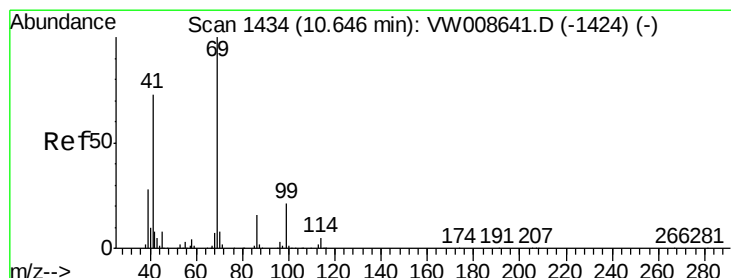
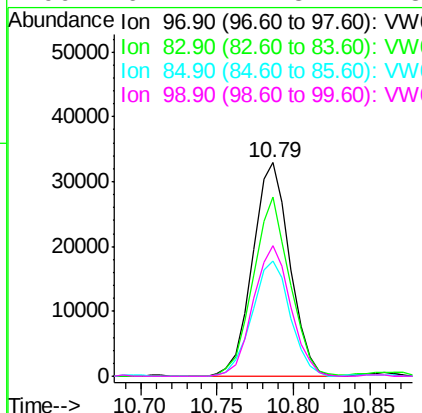
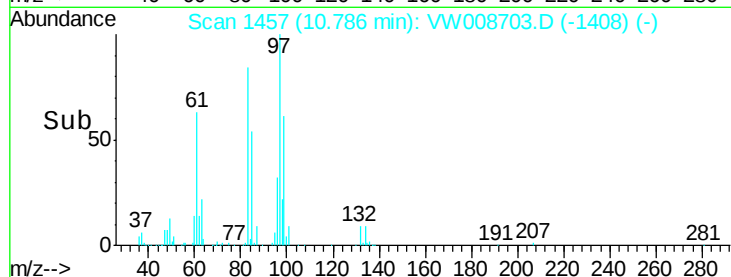
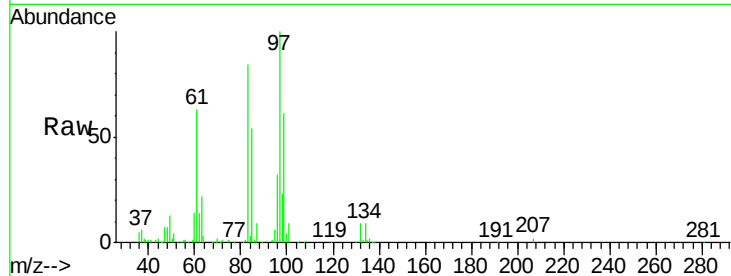
#55
 1,1,2-Trichloroethane
 Concen: 22.873 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		55815		
83	84.2	68.4	102.6		
85	53.8	43.1	64.7		
99	61.1	47.8	71.8		

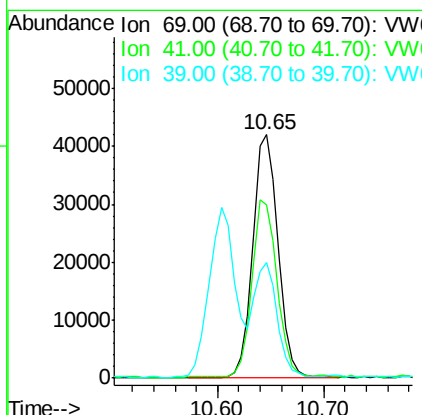
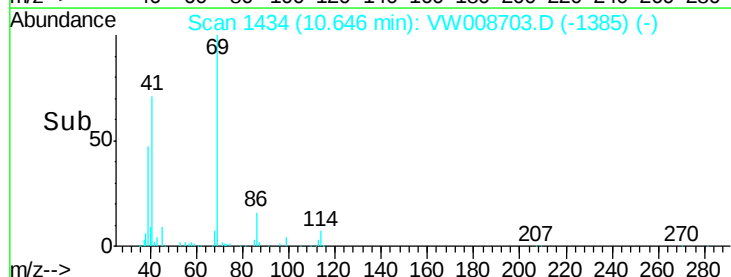
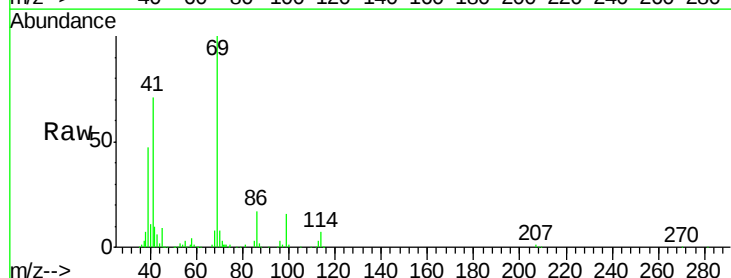
Manual Integrations
 APPROVED

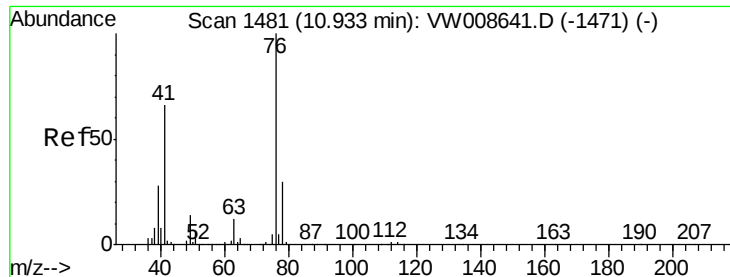
MMDadoda
 2/18/2019 2:34:53 PM



#56
 Ethyl methacrylate
 Concen: 21.739 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70441		
41	72.3	59.0	88.4		
39	41.7	34.4	51.6		





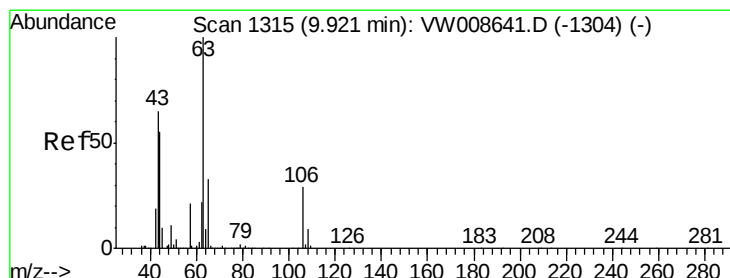
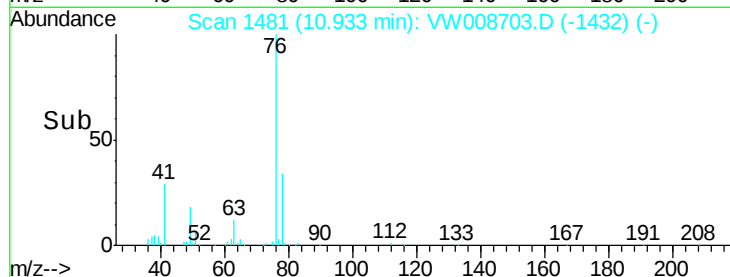
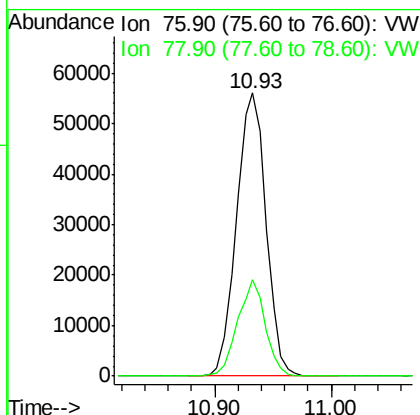
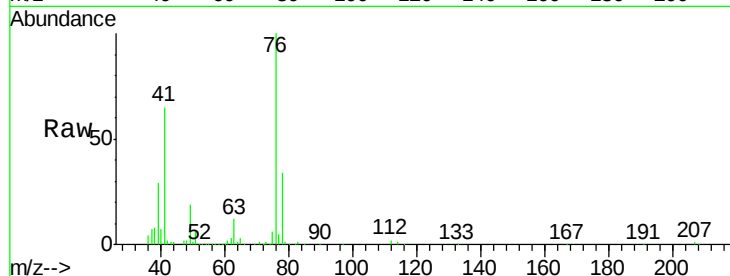
#57
 1,3-Dichloropropane
 Concen: 22.869 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion: 76 Resp: 99014
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

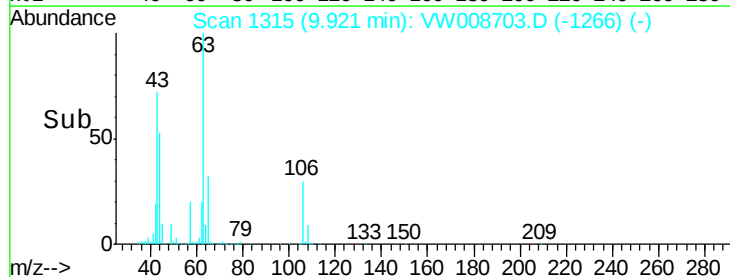
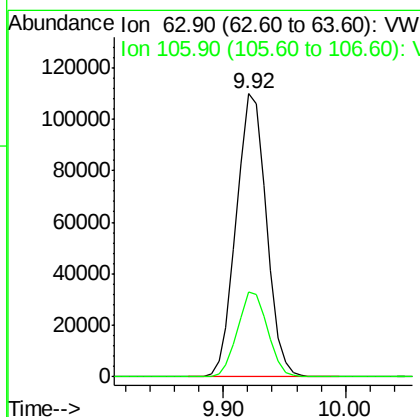
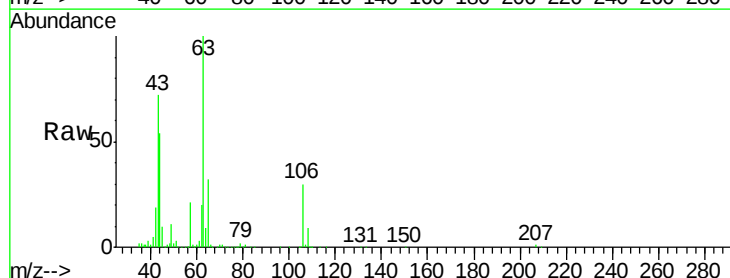
Manual Integrations
 APPROVED

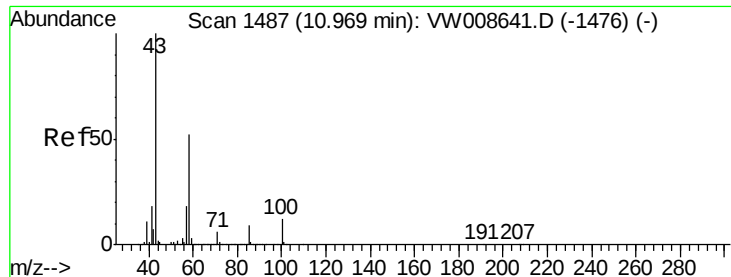
MMDadoda
 2/18/2019 2:34:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.038 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Tgt Ion: 63 Resp: 188139
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.2





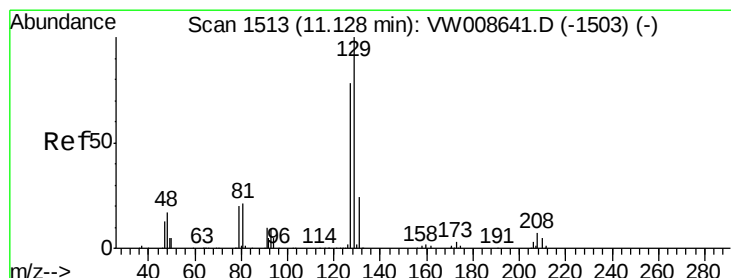
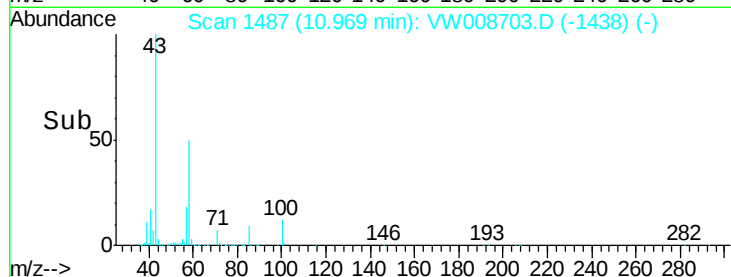
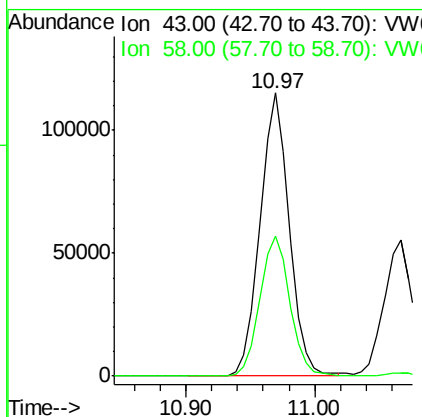
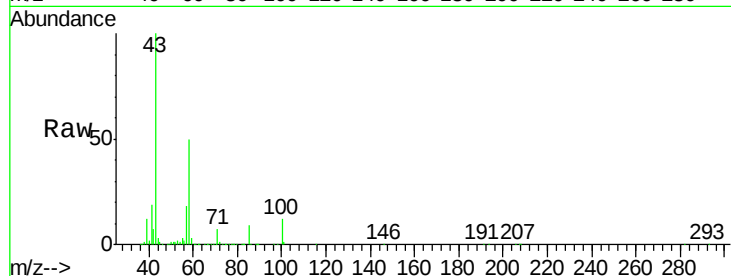
#59
2-Hexanone
Concen: 108.355 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD02

Tot Ion: 43 Resp: 179650
Ion Ratio Lower Upper
43 100
58 51.4 25.6 76.6

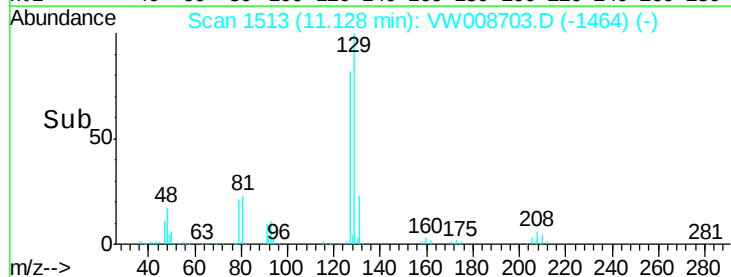
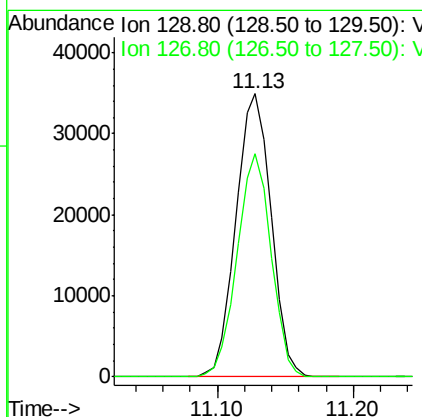
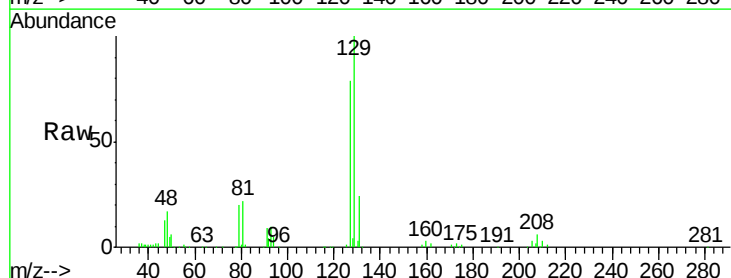
Manual Integrations
APPROVED

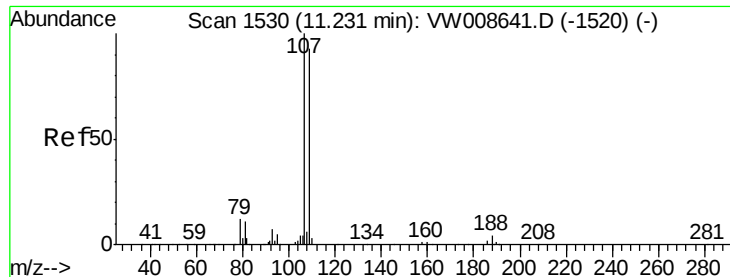
MMDadoda
2/18/2019 2:34:53 PM



#60
Dibromochloromethane
Concen: 21.636 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion: 129 Resp: 63172
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 22.438 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion: 107 Resp: 53911

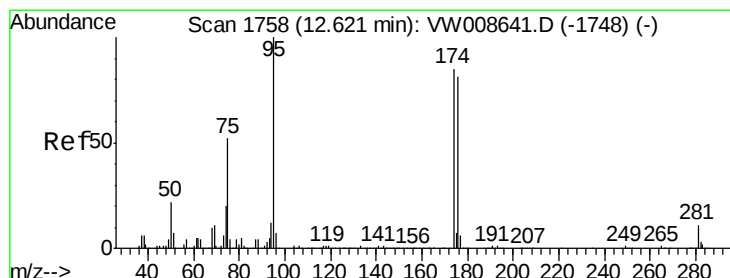
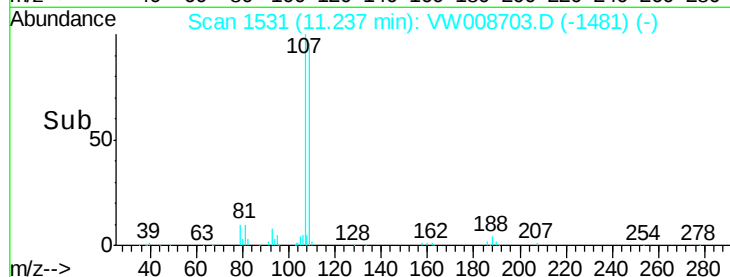
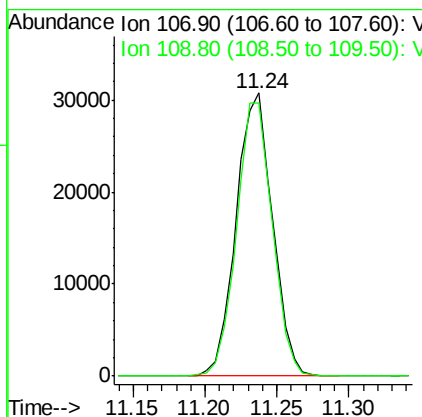
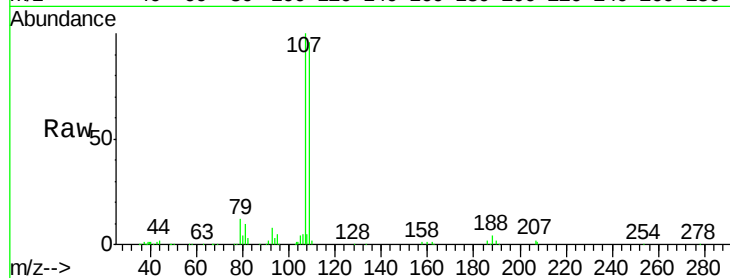
Ion Ratio Lower Upper

107 100

109 95.1 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#62

4-Bromofluorobenzene

Concen: 52.751 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

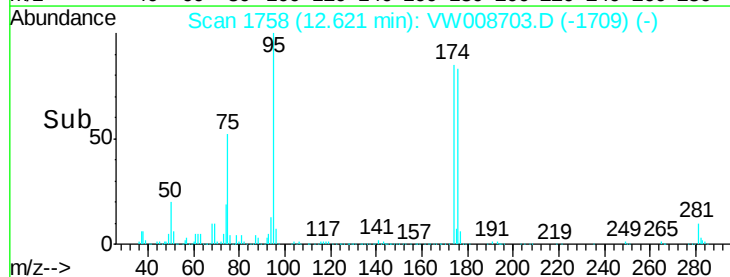
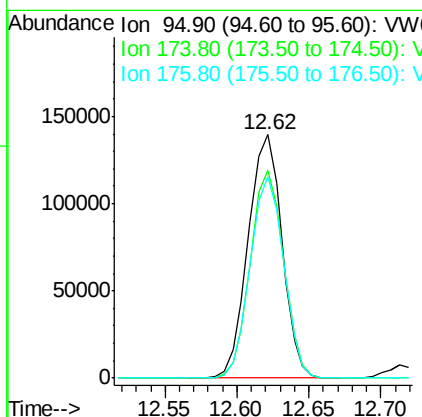
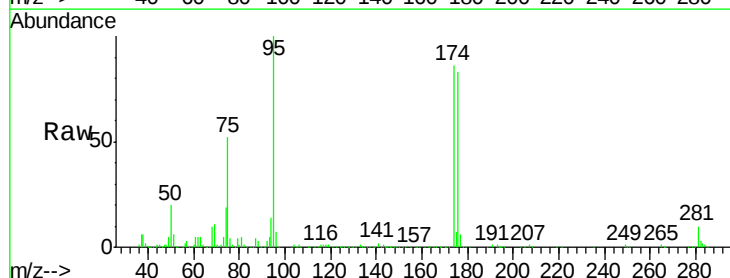
Tgt Ion: 95 Resp: 226118

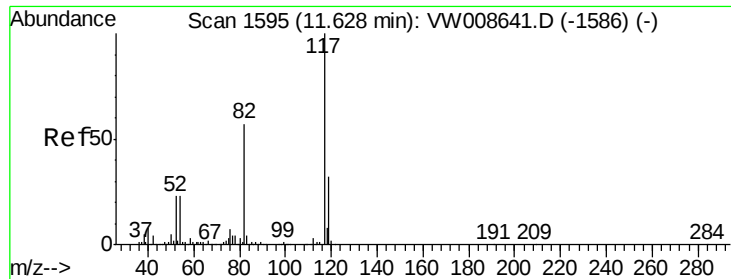
Ion Ratio Lower Upper

95 100

174 84.0 0.0 163.2

176 81.9 0.0 158.0





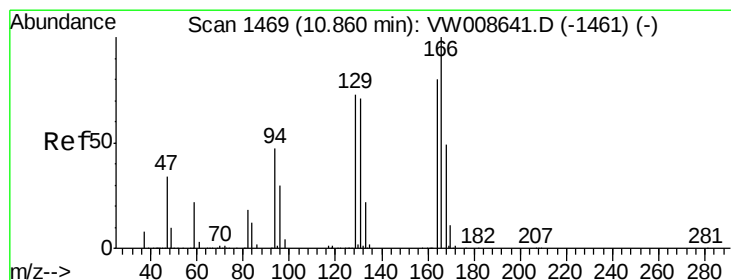
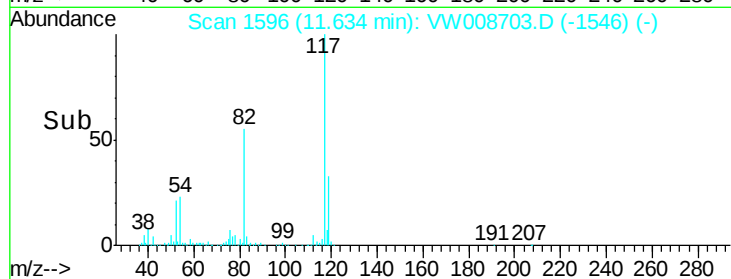
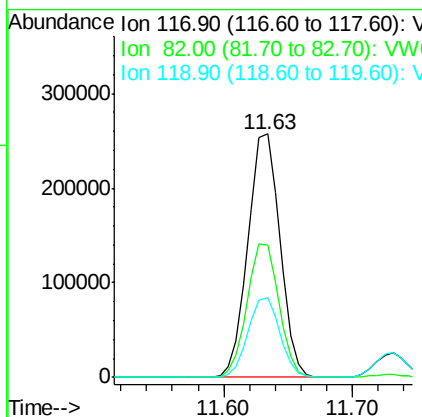
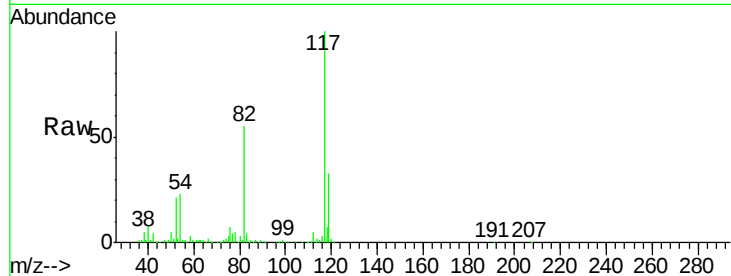
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	442367		
82	54.5		45.6	68.4
119	32.7		25.7	38.5

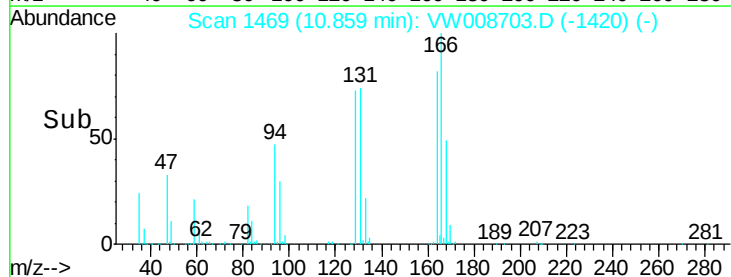
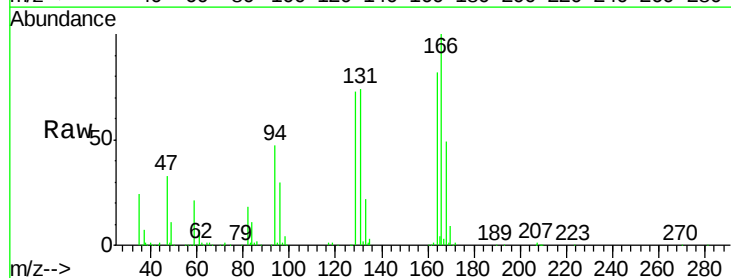
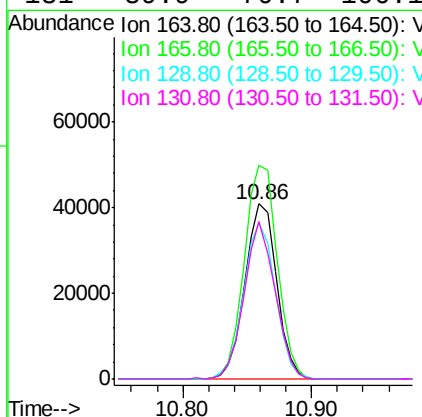
Manual Integrations
APPROVED

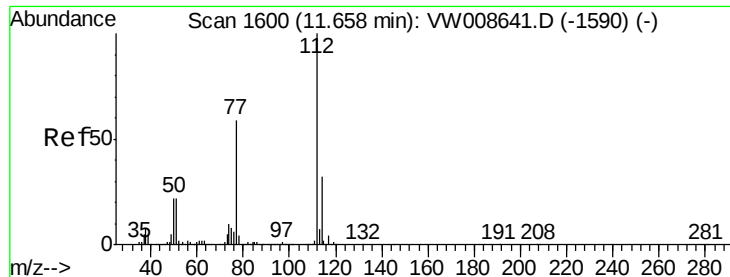
MMDadoda
2/18/2019 2:34:53 PM



#64
Tetrachloroethene
Concen: 21.123 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69487		
166	121.9		100.2	150.2
129	89.2		73.6	110.4
131	89.9		70.7	106.1





#65

Chlorobenzene

Concen: 20.765 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBSD02

Tot Ion:112 Resp: 197984

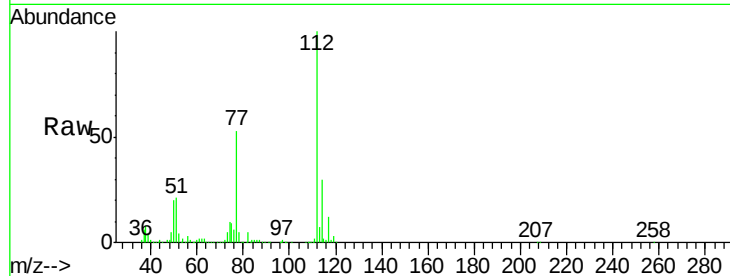
Ion Ratio Lower Upper

112 100

114 30.4 25.7 38.5

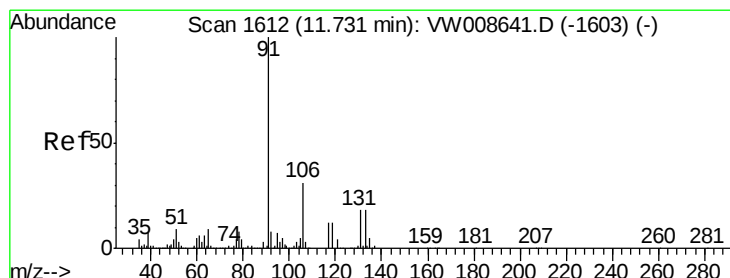
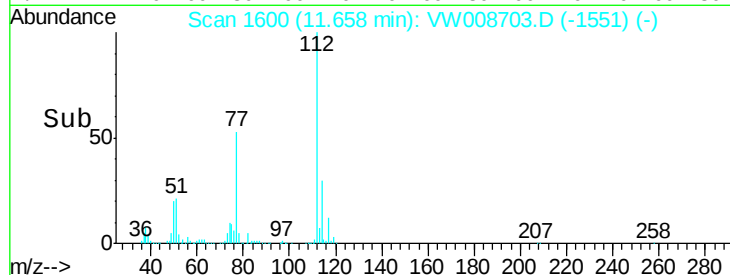
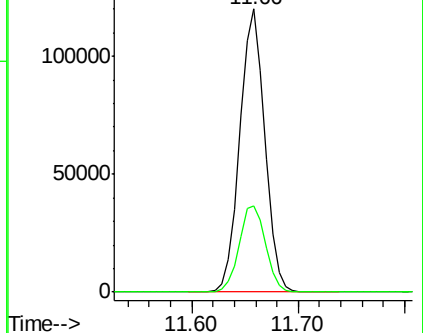
Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.504 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

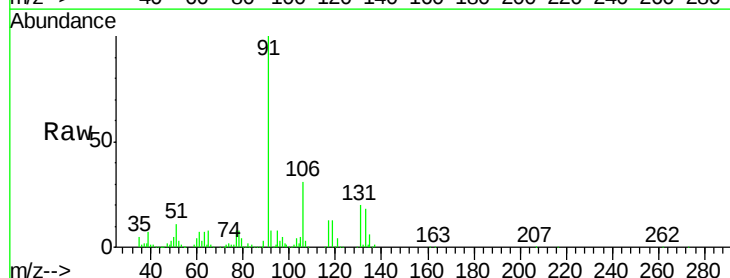
Tgt Ion:131 Resp: 69255

Ion Ratio Lower Upper

131 100

133 92.9 47.8 143.4

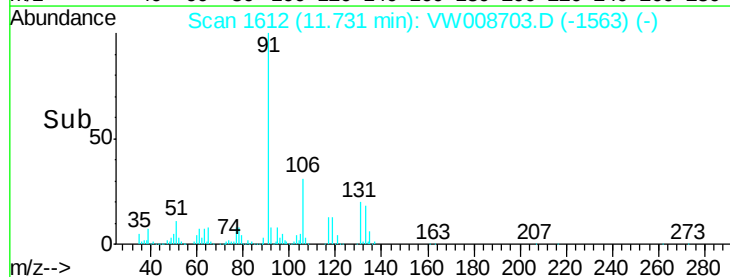
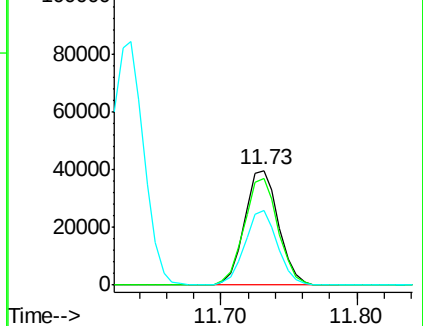
119 63.0 31.6 94.8

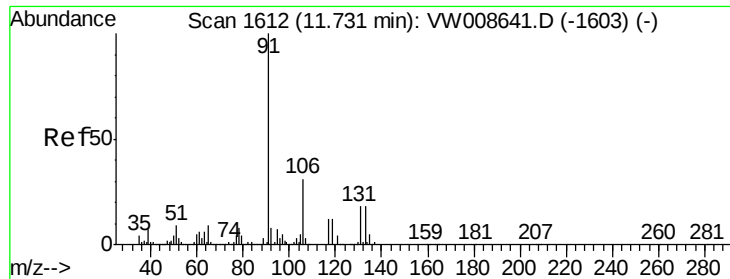


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





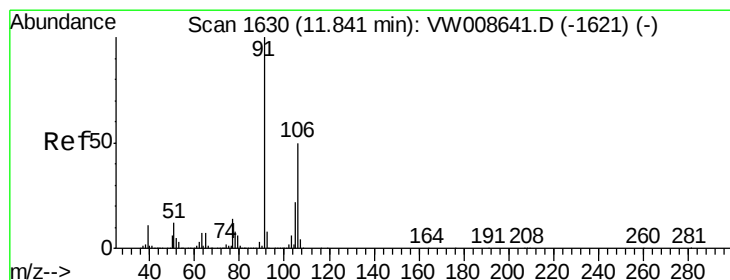
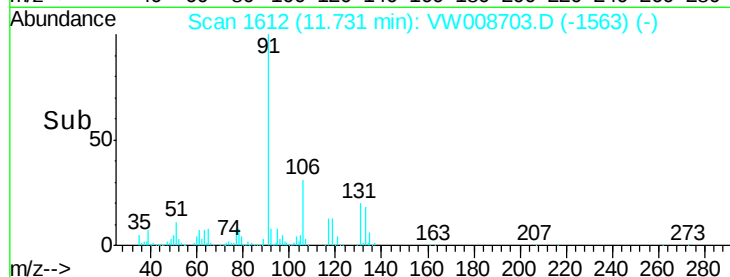
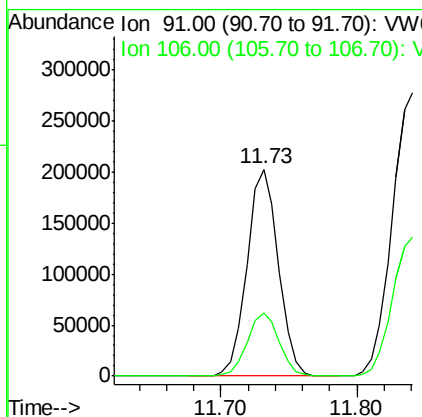
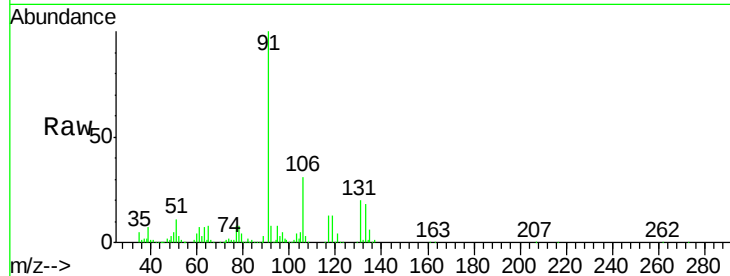
#67
Ethyl Benzene
Concen: 19.225 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion: 91 Resp: 326516
Ion Ratio Lower Upper
91 100
106 30.8 24.5 36.7

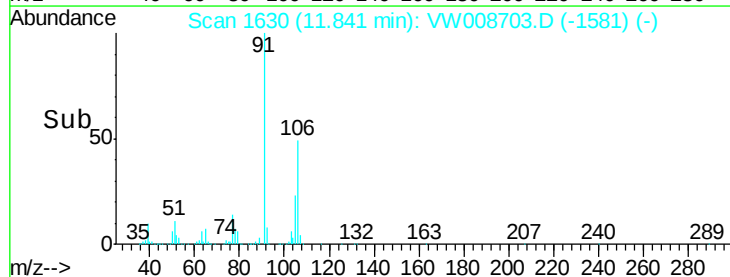
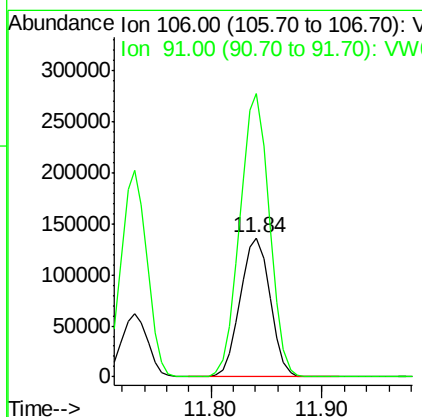
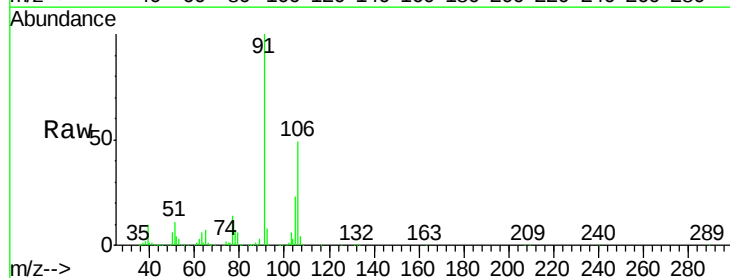
Manual Integrations
APPROVED

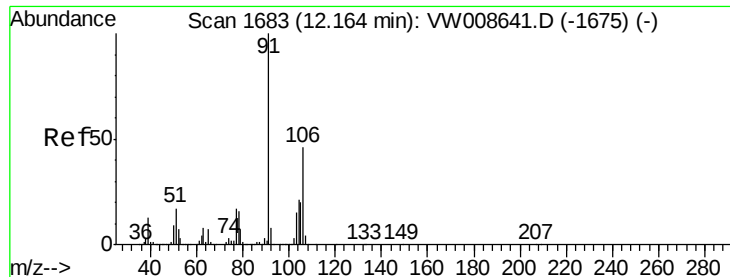
MMDadoda
2/18/2019 2:34:53 PM



#68
m/p-Xylenes
Concen: 38.601 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion: 106 Resp: 255089
Ion Ratio Lower Upper
106 100
91 200.4 161.0 241.4





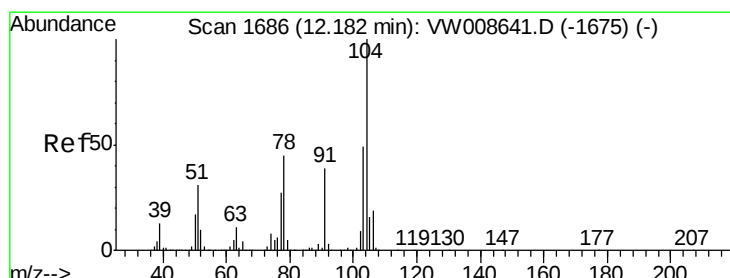
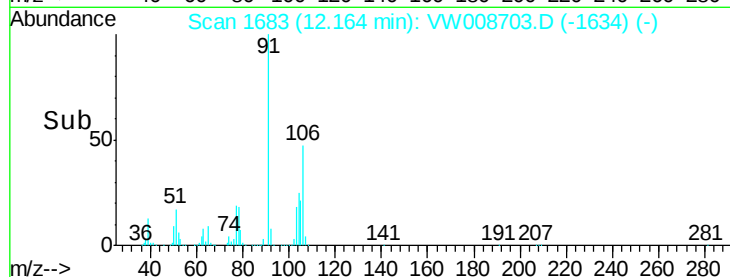
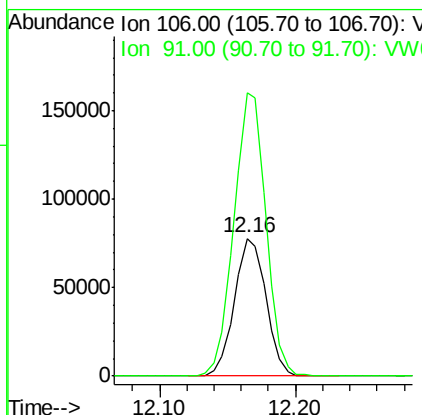
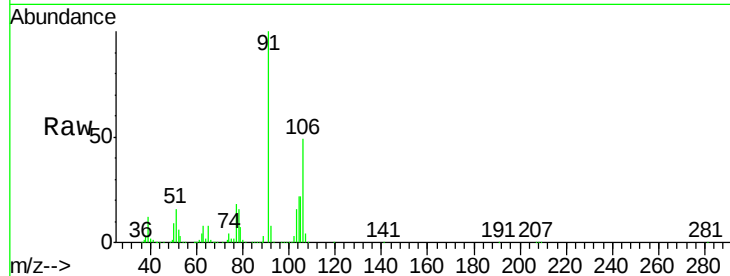
#69
o-Xylene
Concen: 20.133 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	125764		
91	208.1	106.7	320.1		

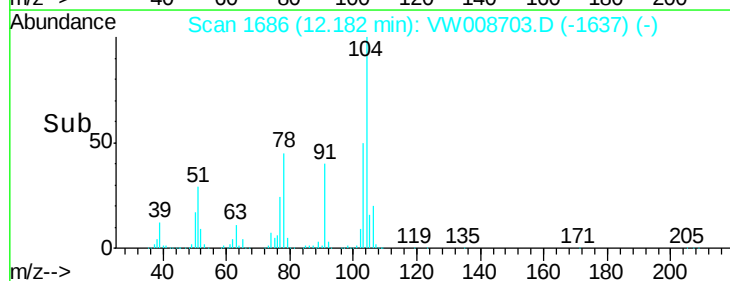
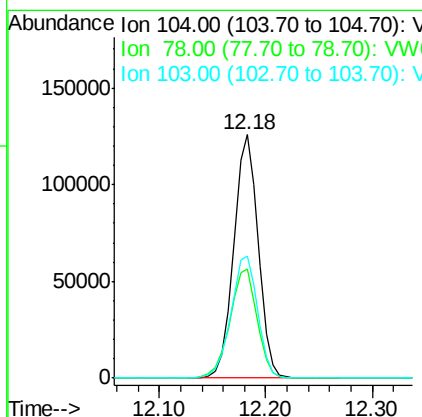
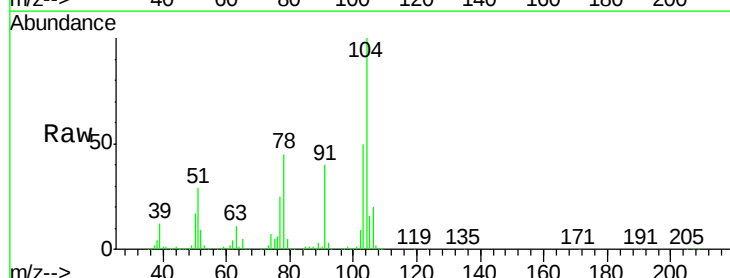
Manual Integrations
APPROVED

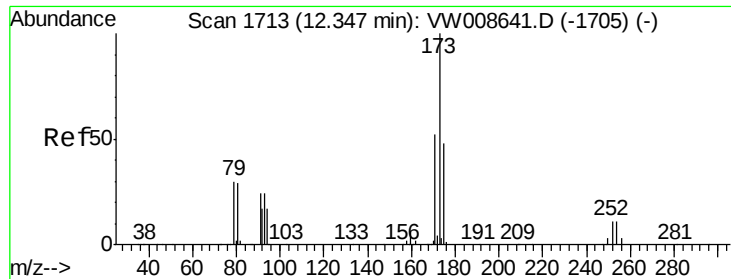
MMDadoda
2/18/2019 2:34:53 PM



#70
Styrene
Concen: 19.927 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	203313		
78	49.9	41.5	62.3		
103	54.6	43.5	65.3		





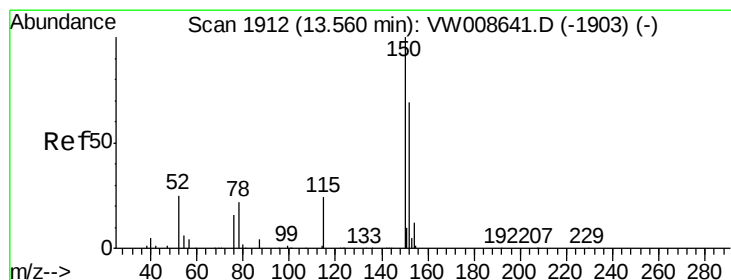
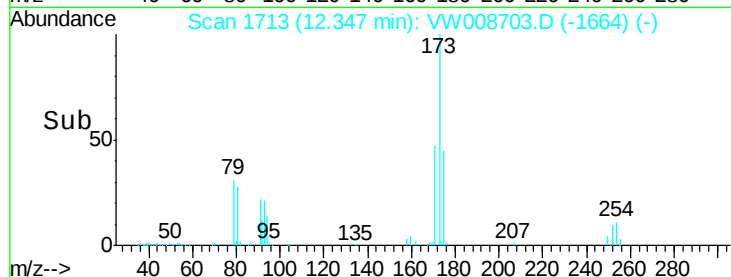
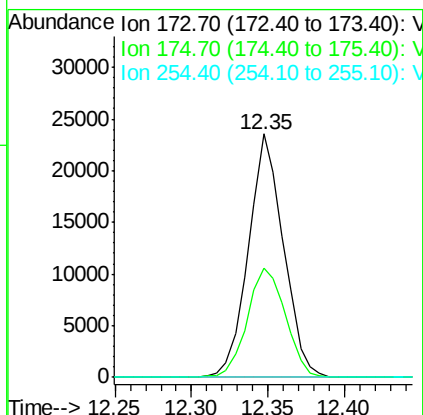
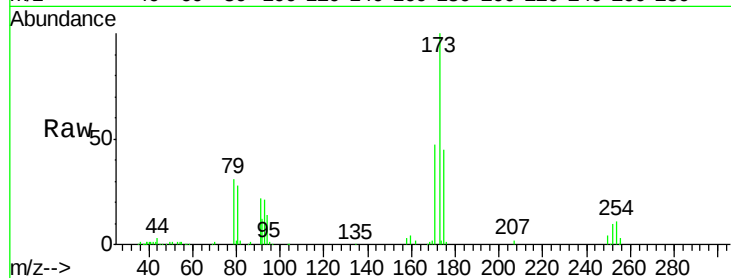
#71
Bromoform
Concen: 20.572 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.7
254	0.1	0.1	0.1

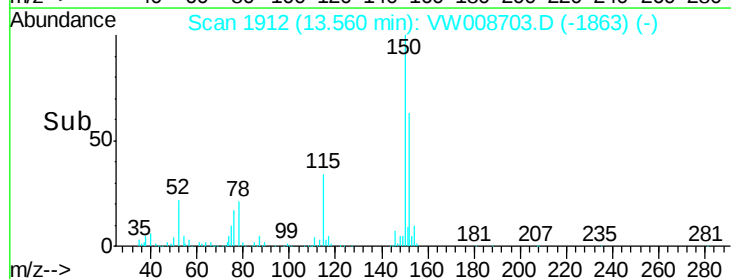
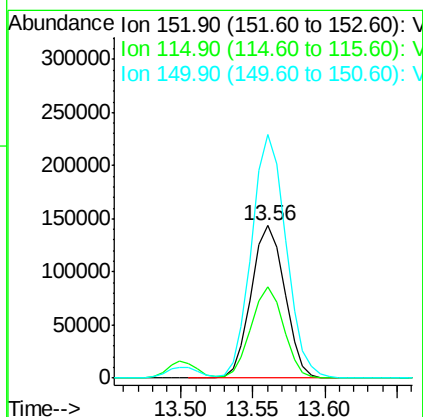
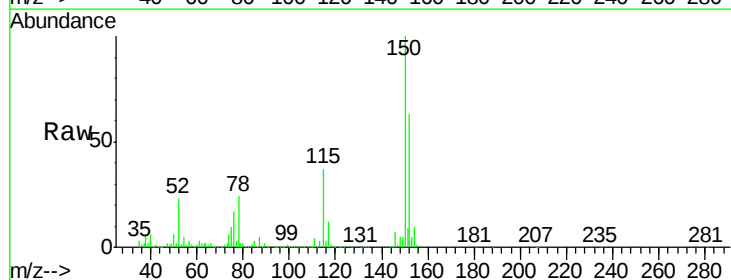
Manual Integrations
APPROVED

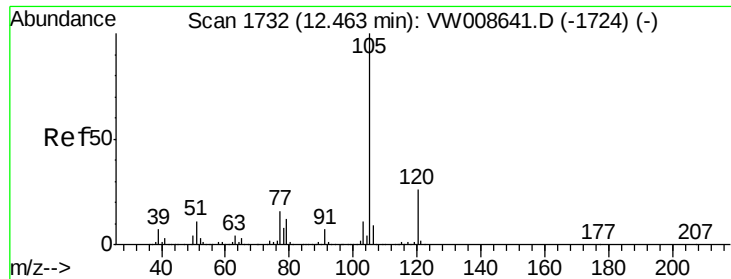
MMDadoda
2/18/2019 2:34:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.3	87.8
150	164.3	0.0	352.8





#73

Isopropylbenzene

Concen: 18.814 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS02

Tot Ion:105 Resp: 324023

Ion Ratio Lower Upper

105 100

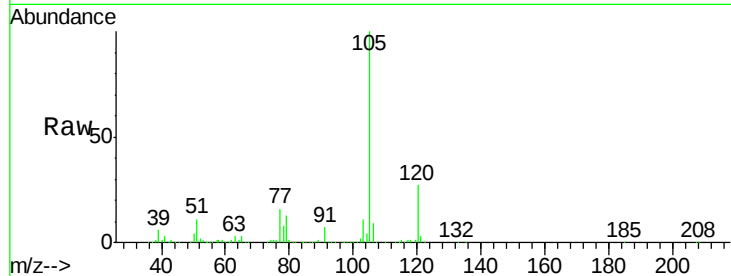
120 27.2 13.2 39.6

Manual Integrations

APPROVED

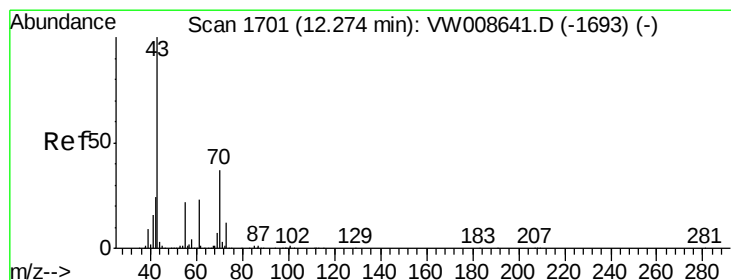
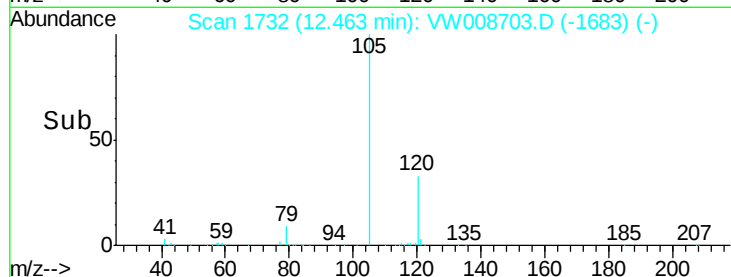
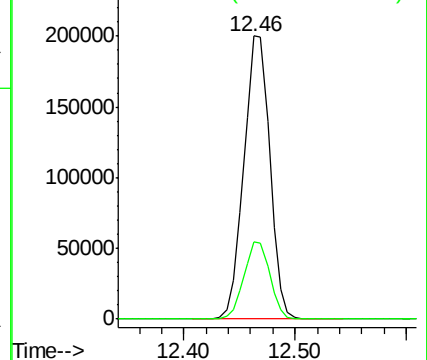
MMDadoda

2/18/2019 2:34:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.090 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Tgt Ion: 43 Resp: 93563

Ion Ratio Lower Upper

43 100

70 40.7 30.5 45.7

55 23.0 17.6 26.4

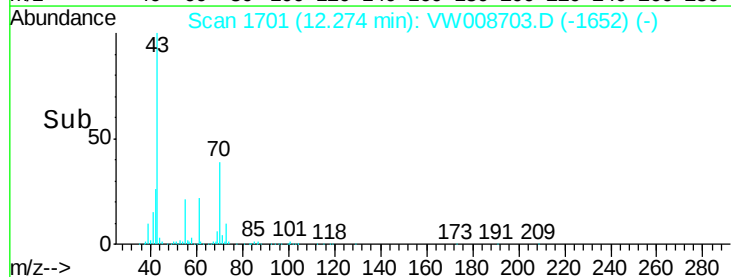
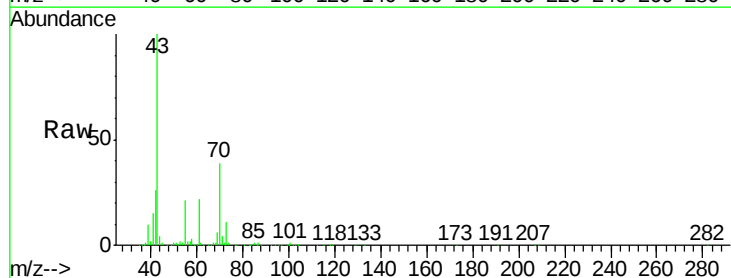
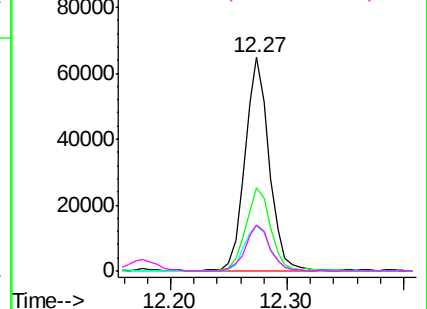
61 22.0 17.9 26.9

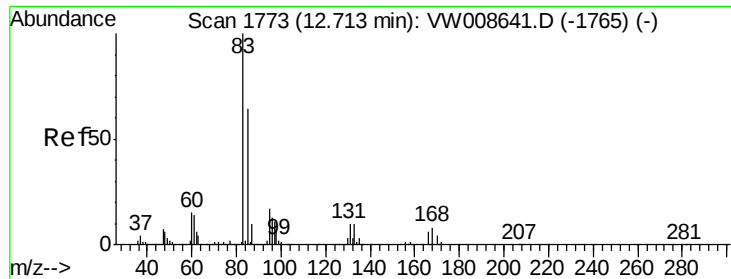
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 21.813 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

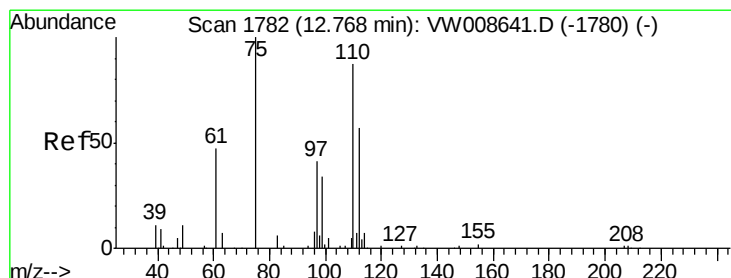
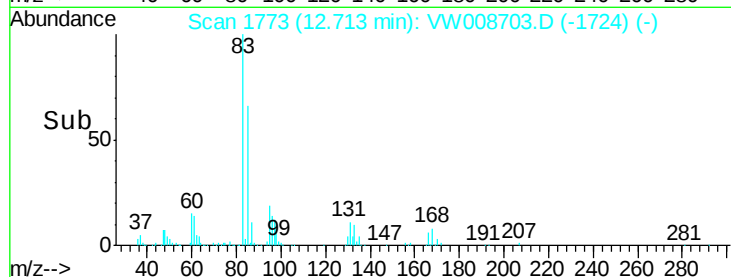
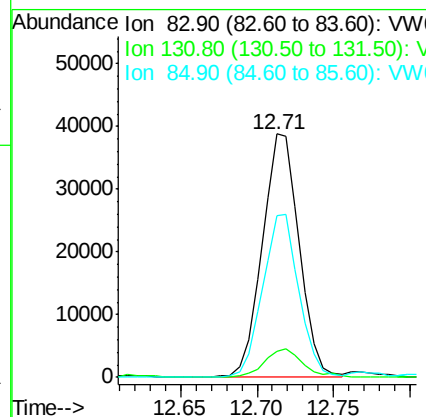
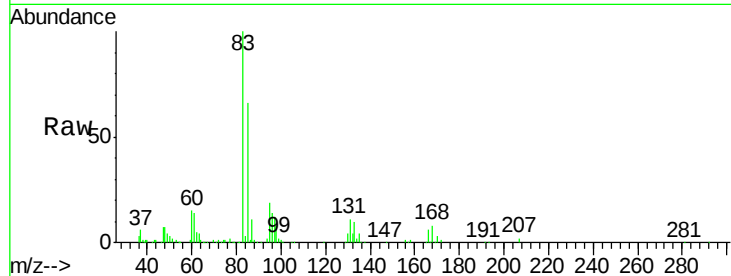
ClientSampleId :

VW0215SBSD02

Tot Ion:	83	Resp:	65359
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.5	16.7
85	65.5	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#76

1,2,3-Trichloropropane

Concen: 20.466 ug/l m

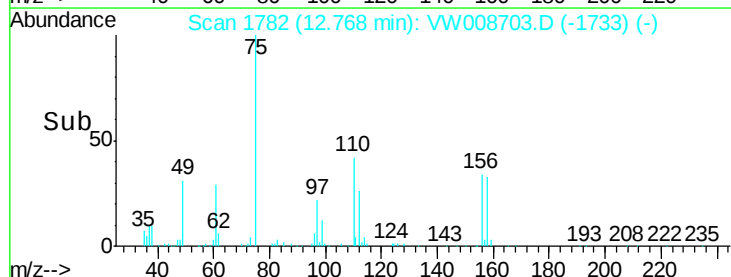
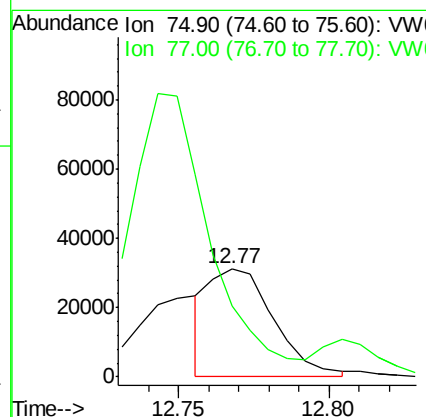
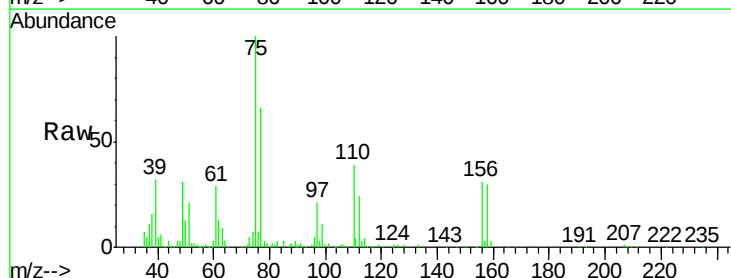
RT: 12.77 min Scan# 1782

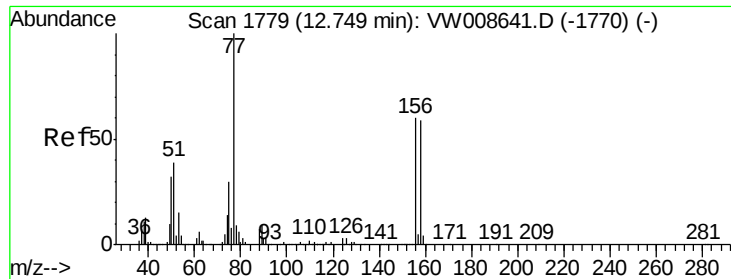
Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Tgt Ion:	75	Resp:	46724
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.118 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Instrument :

MSVOA_W

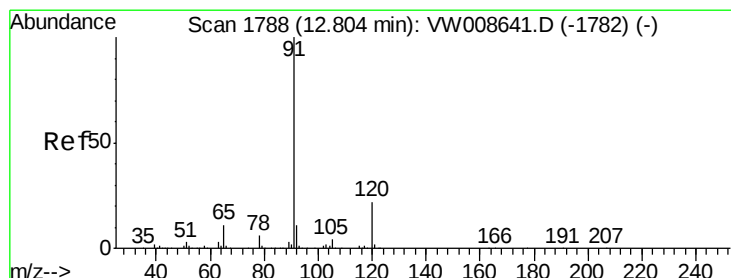
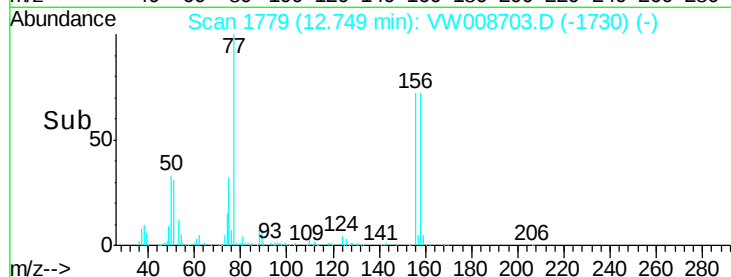
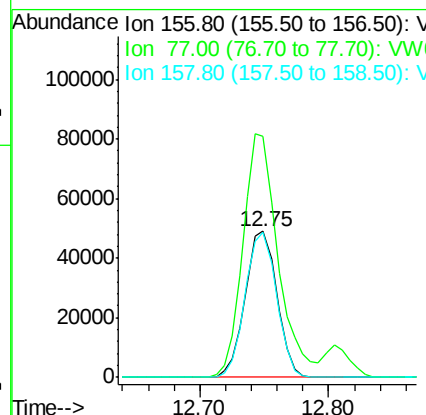
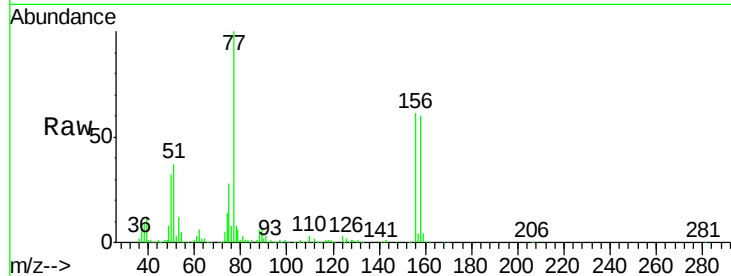
ClientSampleId :

VW0215SBS02

Tot Ion:	156	Resp:	83602
Ion Ratio	Lower	Upper	
156	100		
77	184.6	93.2	279.5
158	97.7	48.5	145.5

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#78

n-propylbenzene

Concen: 18.687 ug/l

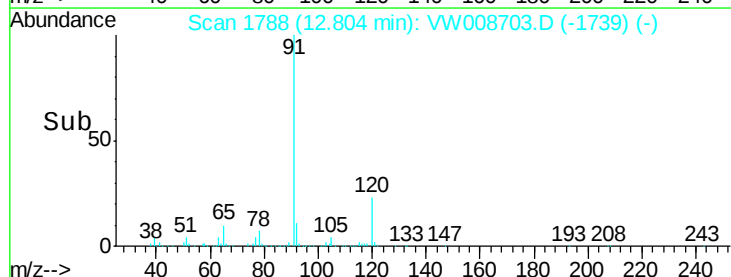
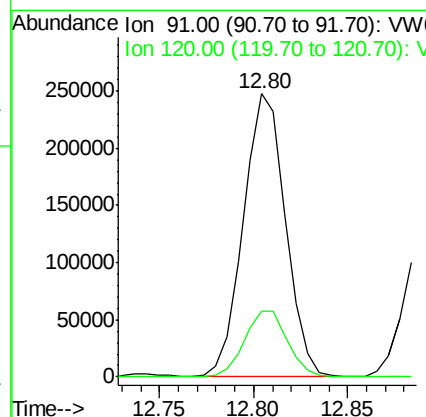
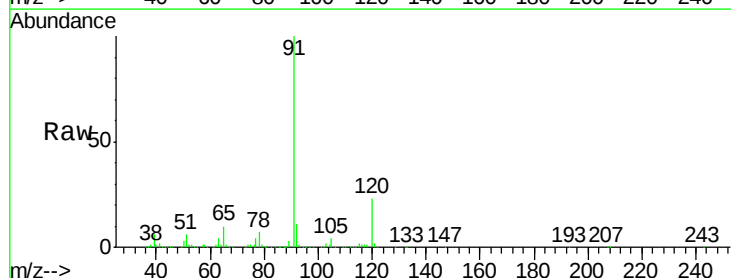
RT: 12.80 min Scan# 1788

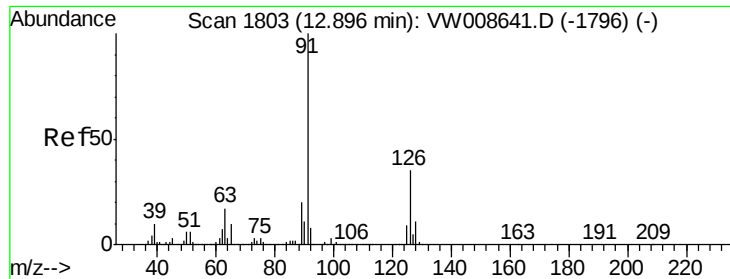
Delta R.T. -0.00 min

Lab File: VW008703.D

Acq: 16 Feb 2019 01:15

Tgt Ion:	91	Resp:	382384
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.4	34.2





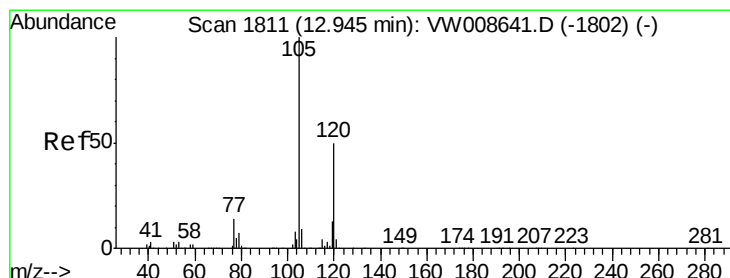
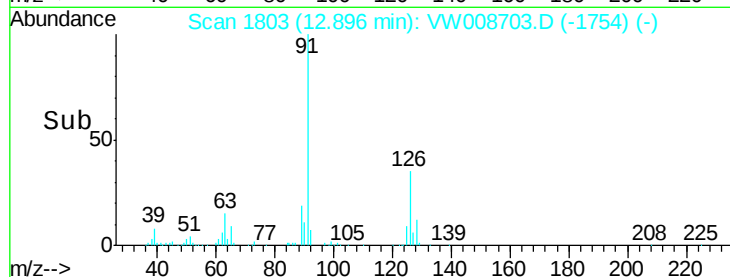
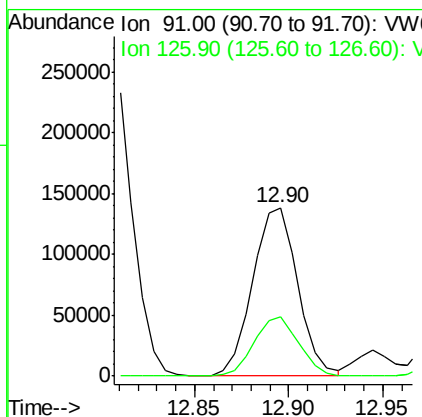
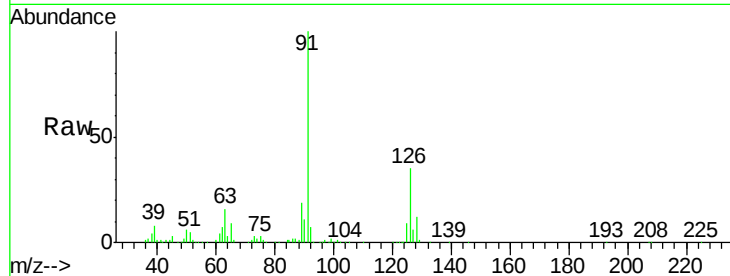
#79
2-Chlorotoluene
Concen: 19.838 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD02

Tot Ion: 91 Resp: 229424
Ion Ratio Lower Upper
91 100
126 34.8 17.0 50.9

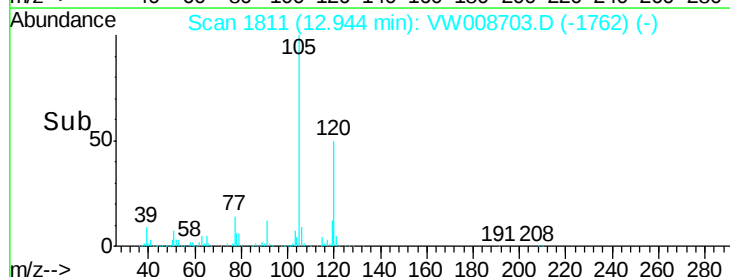
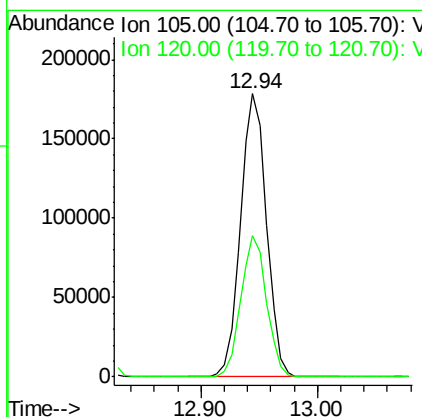
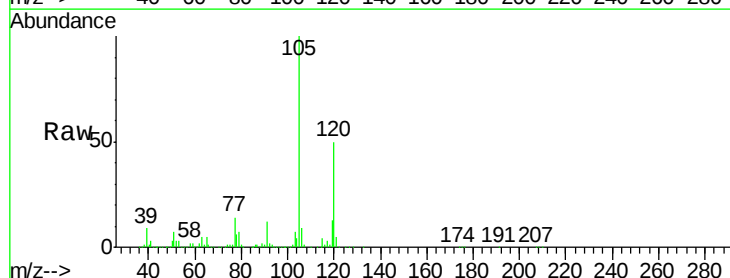
Manual Integrations
APPROVED

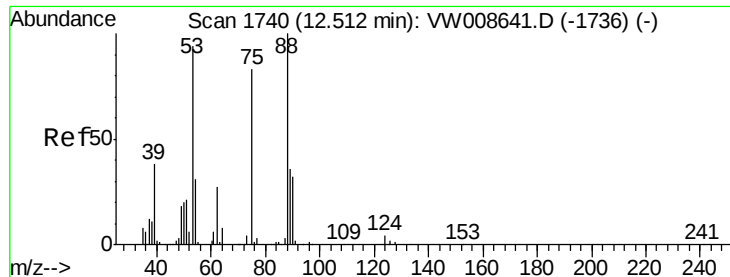
MMDadoda
2/18/2019 2:34:53 PM



#80
1,3,5-Trimethylbenzene
Concen: 19.411 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion: 105 Resp: 277668
Ion Ratio Lower Upper
105 100
120 49.3 24.6 73.8





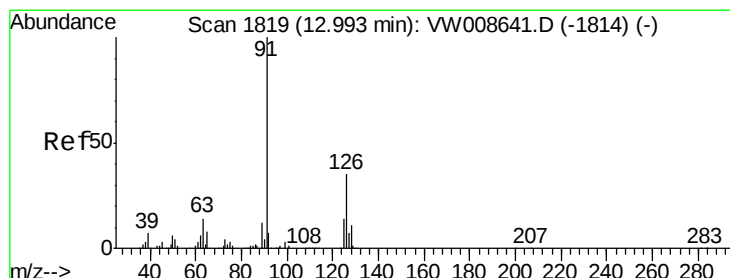
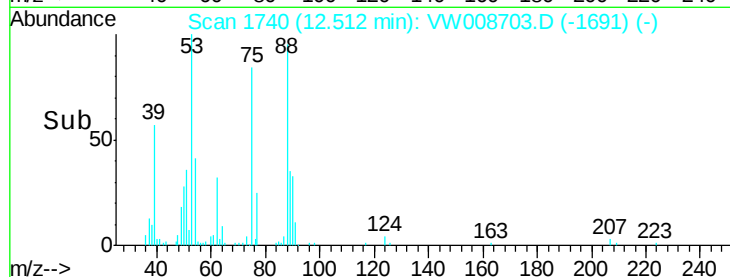
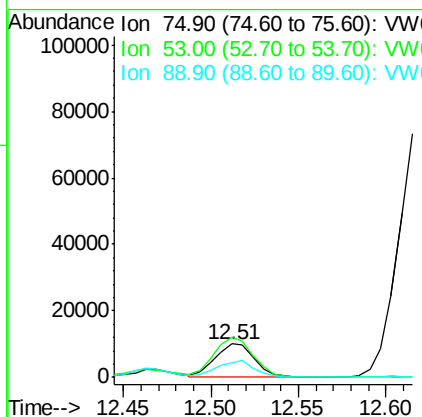
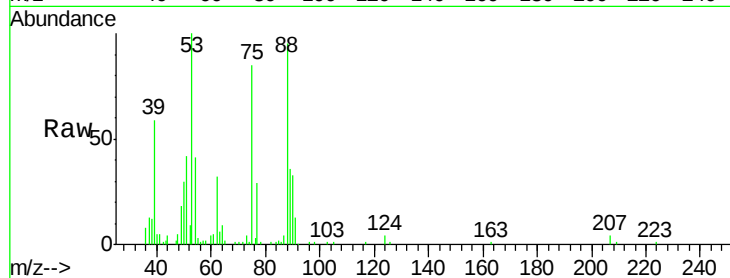
#81
trans-1,4-Dichloro-2-butene
Concen: 17.271 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.5	87.4	131.0
89	46.5	37.0	55.4

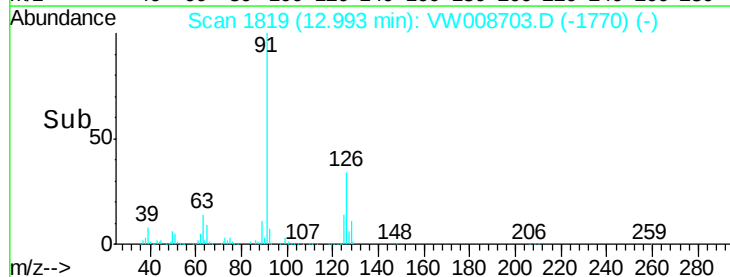
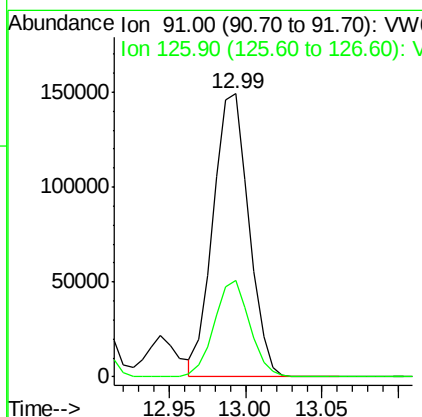
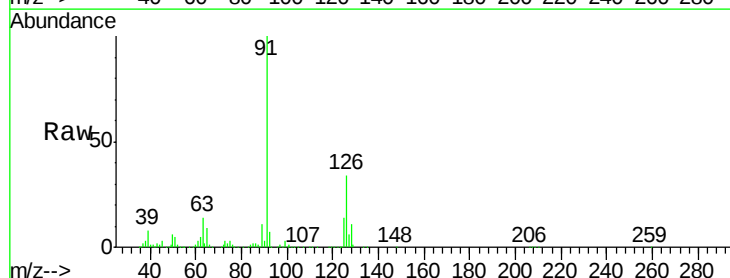
Manual Integrations
APPROVED

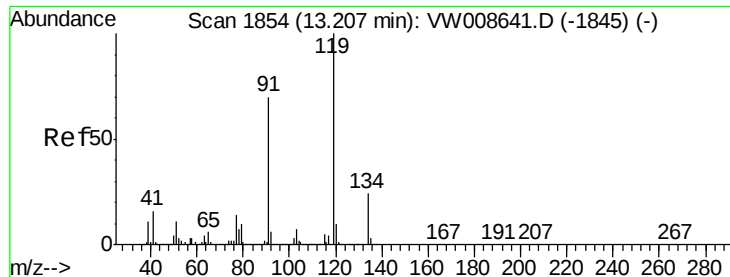
MMDadoda
2/18/2019 2:34:53 PM



#82
4-Chlorotoluene
Concen: 19.745 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.7





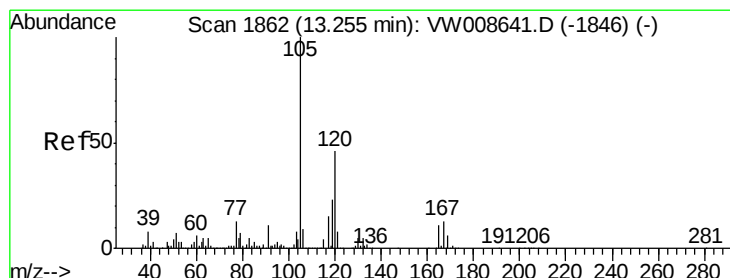
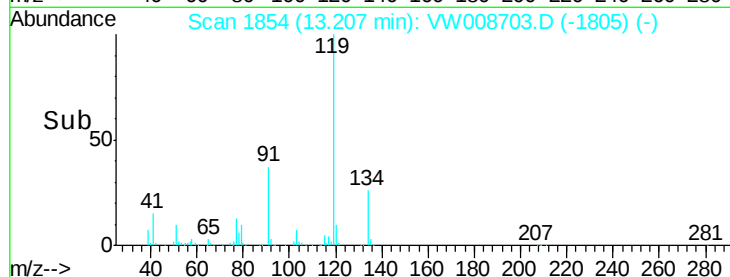
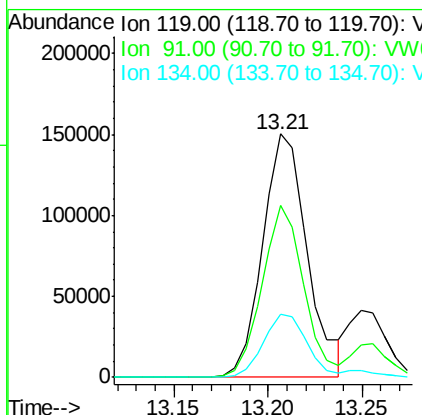
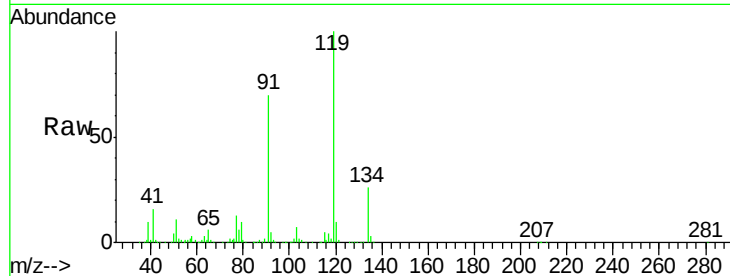
#83
tert-Butylbenzene
Concen: 19.879 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	34.0	102.0
134	25.3	13.6	40.8

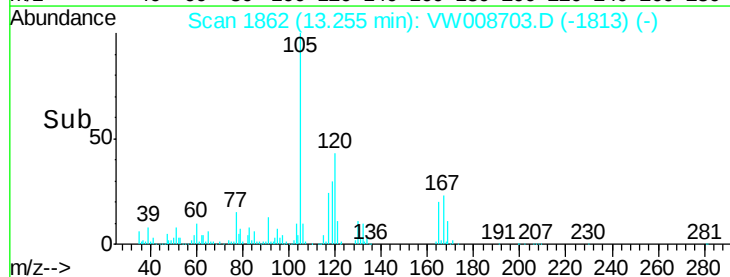
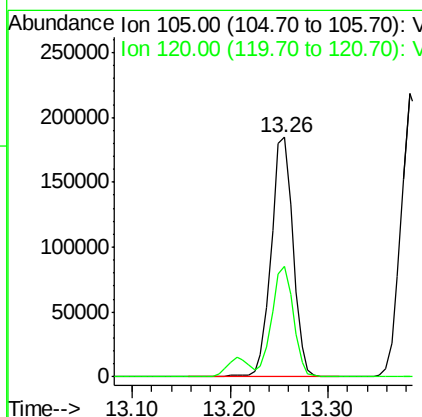
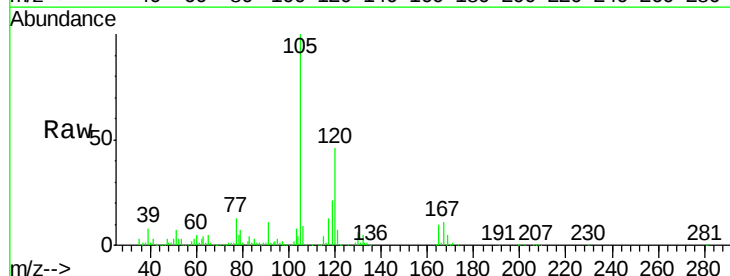
Manual Integrations
APPROVED

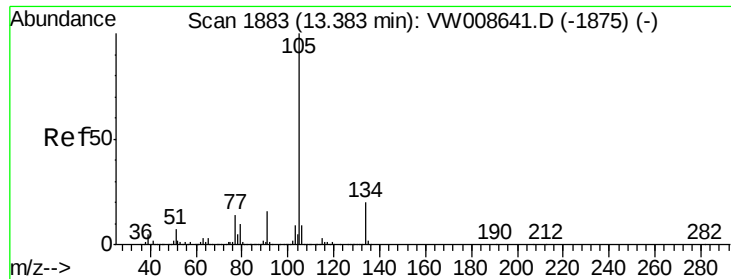
MMDadoda
2/18/2019 2:34:53 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.609 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.8





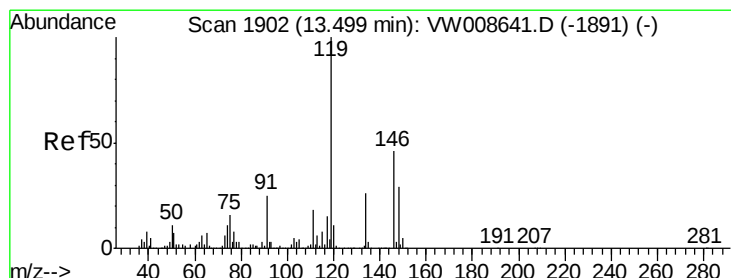
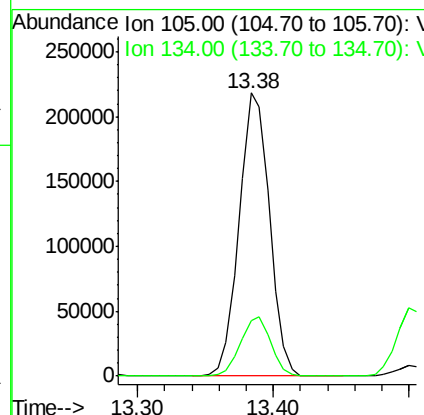
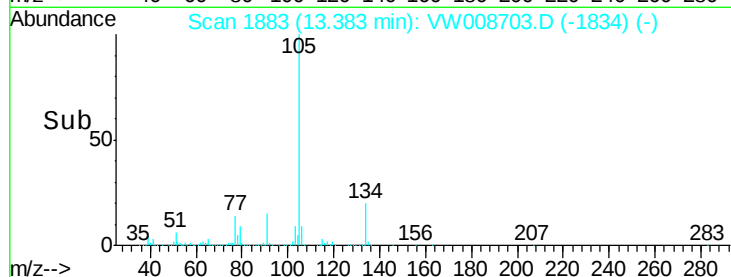
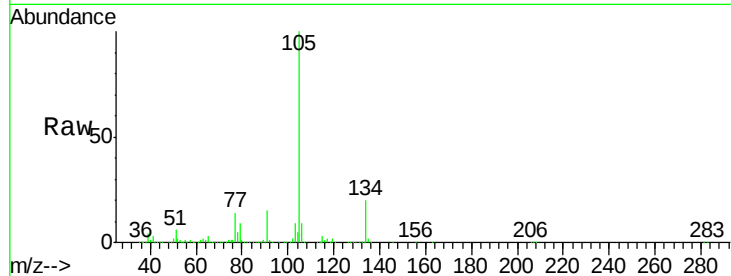
#85
 sec-Butylbenzene
 Concen: 18.801 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0215SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.8

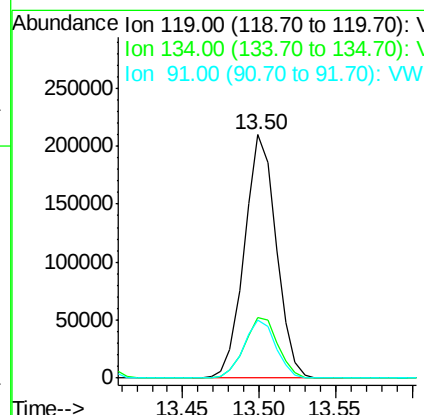
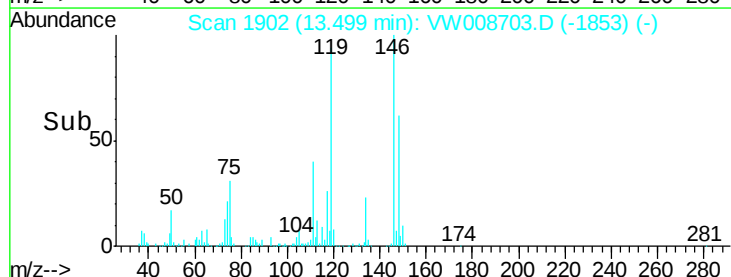
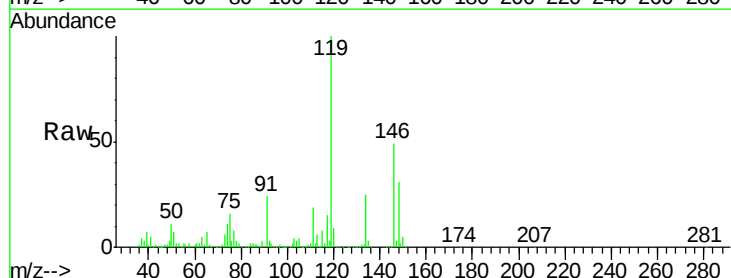
Manual Integrations
 APPROVED

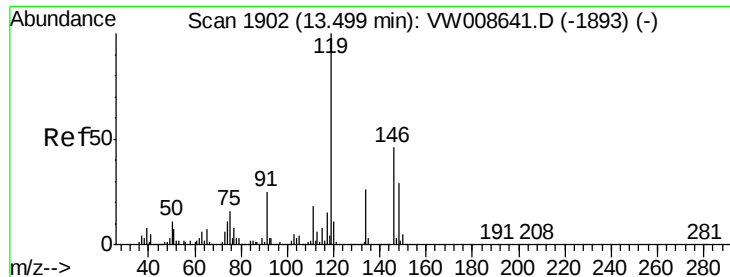
MMDadoda
 2/18/2019 2:34:53 PM



#86
 p-Isopropyltoluene
 Concen: 18.726 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	39.0
91	24.1	12.3	36.9





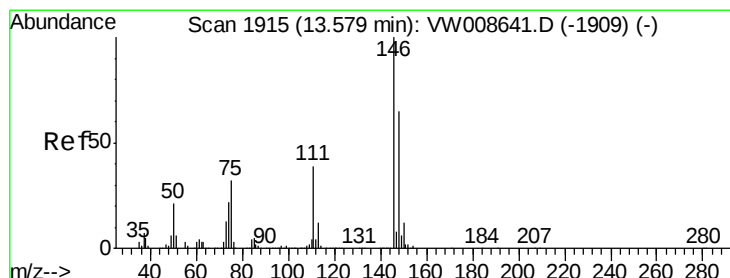
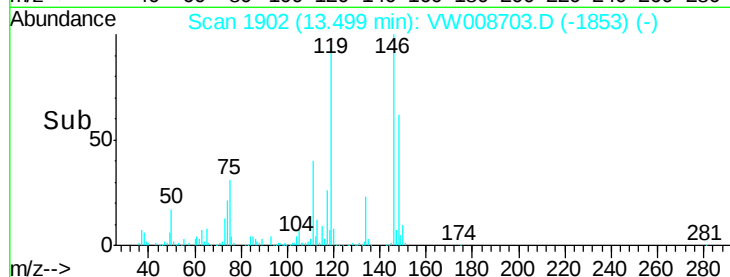
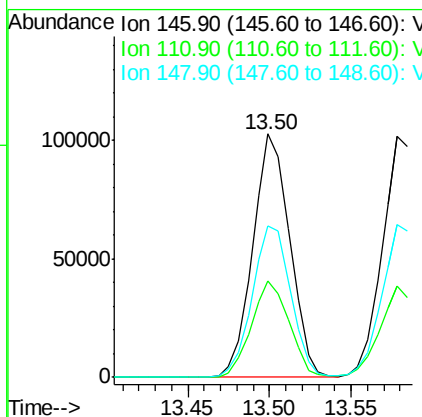
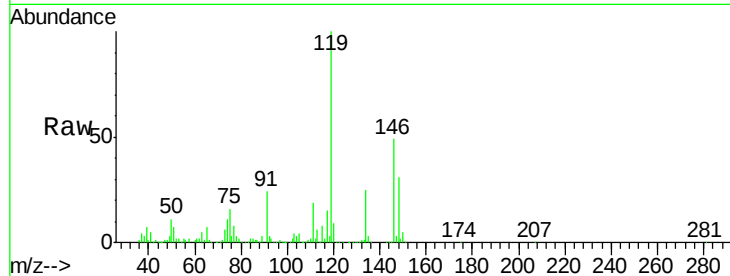
#87
 1,3-Dichlorobenzene
 Concen: 20.147 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	161685		
111	40.3	19.4	58.1	
148	64.7	31.6	94.8	

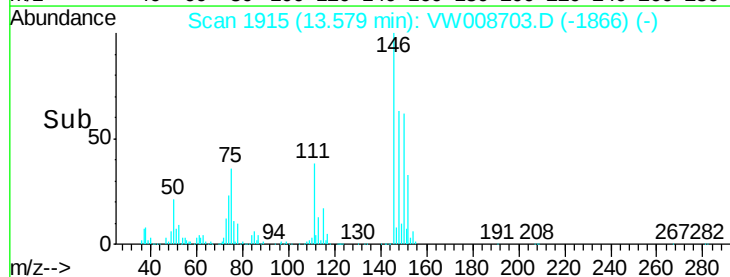
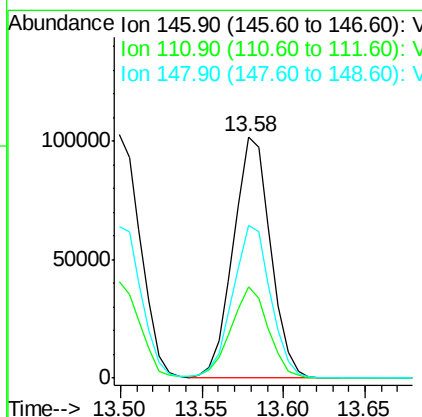
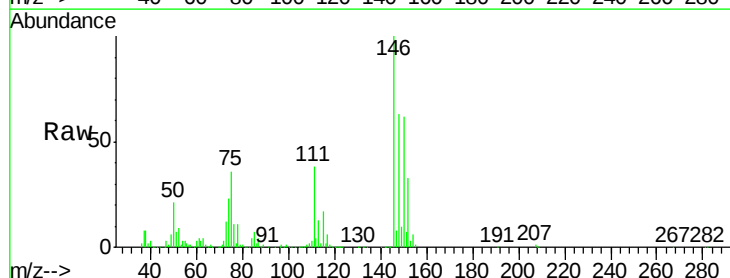
Manual Integrations
 APPROVED

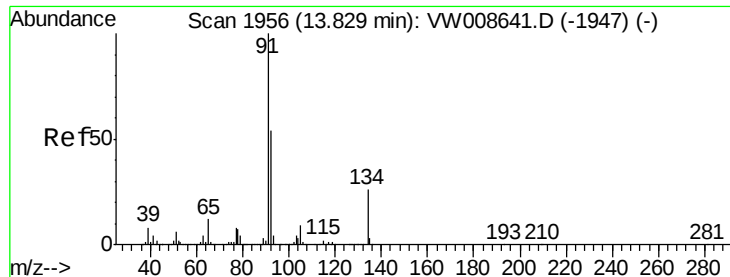
MMDadoda
 2/18/2019 2:34:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.562 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	162627		
111	38.2	19.4	58.1	
148	64.5	31.8	95.4	





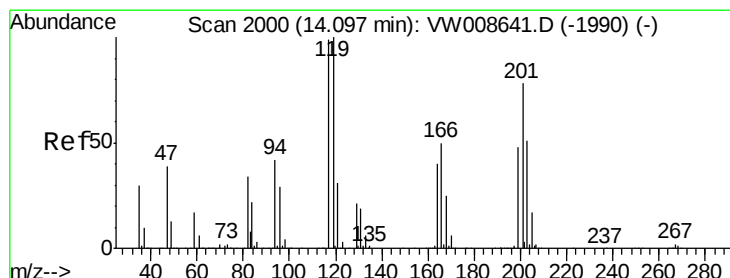
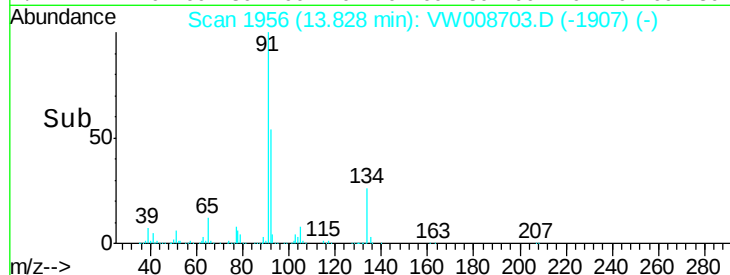
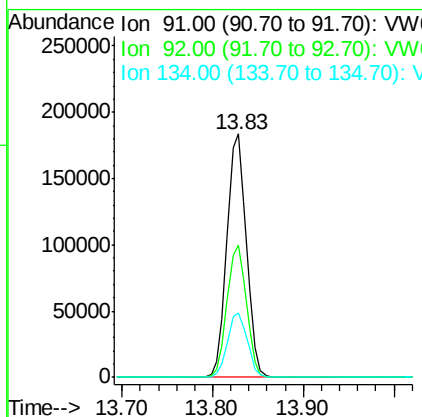
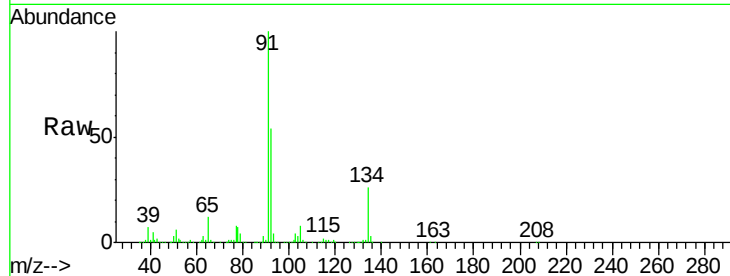
#89
n-Butylbenzene
Concen: 17.825 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.4
134	26.7	13.0	39.0

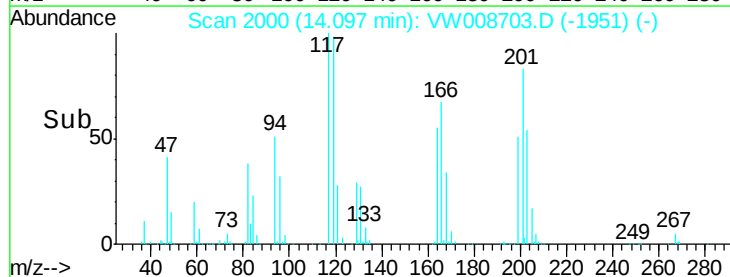
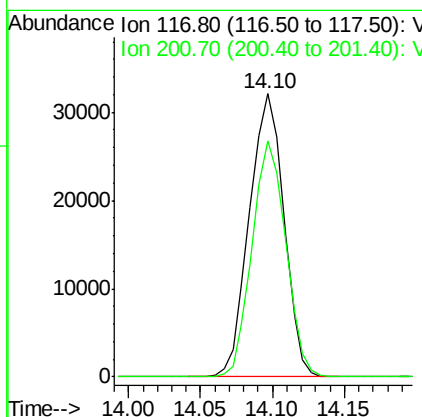
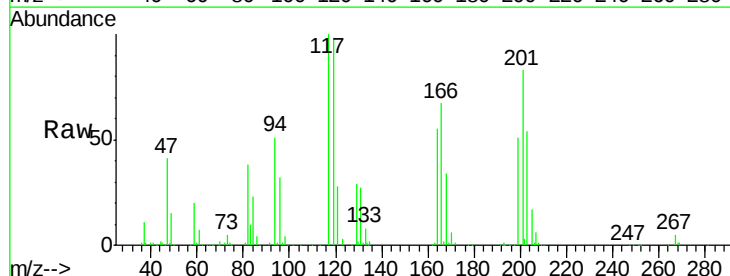
Manual Integrations
APPROVED

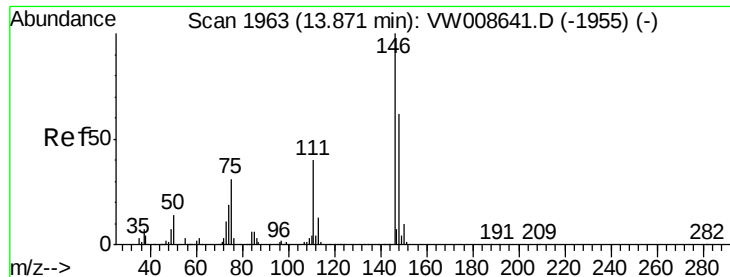
MMDadoda
2/18/2019 2:34:53 PM



#90
Hexachloroethane
Concen: 18.855 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	38.7	116.1





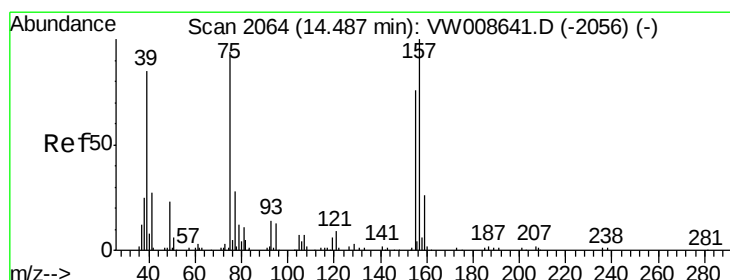
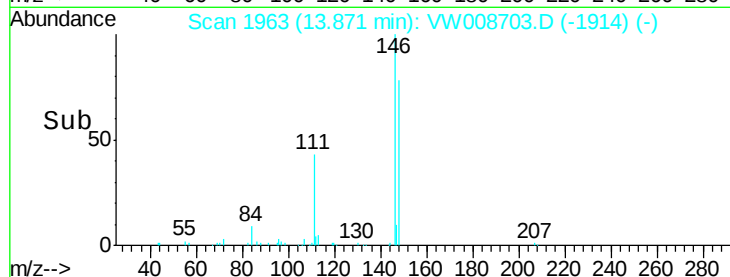
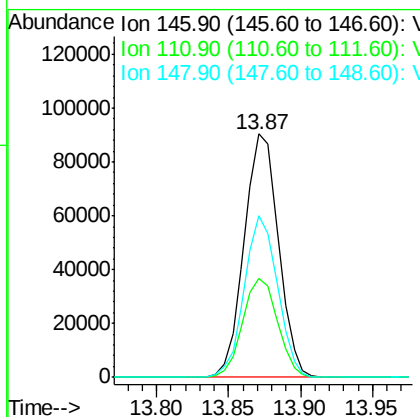
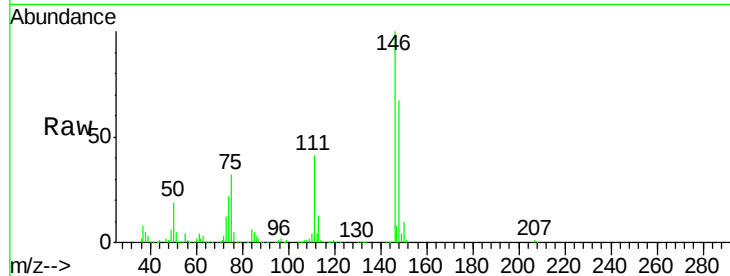
#91
 1,2-Dichlorobenzene
 Concen: 20.943 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	148906		
111	41.4	20.5	61.5	
148	64.2	31.6	94.8	

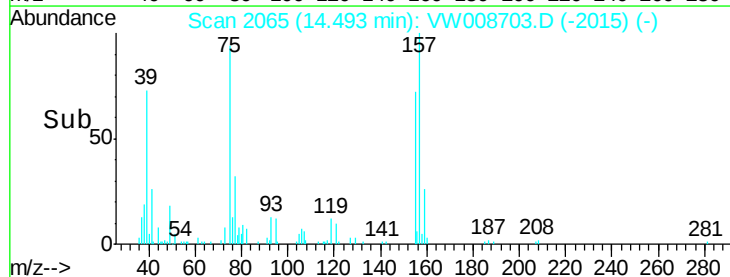
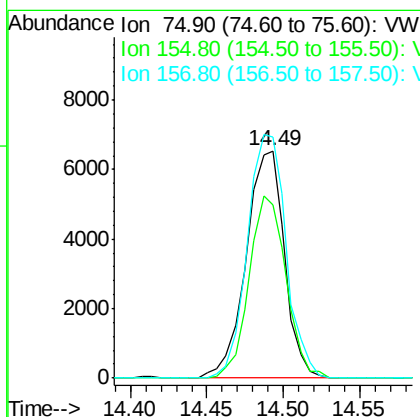
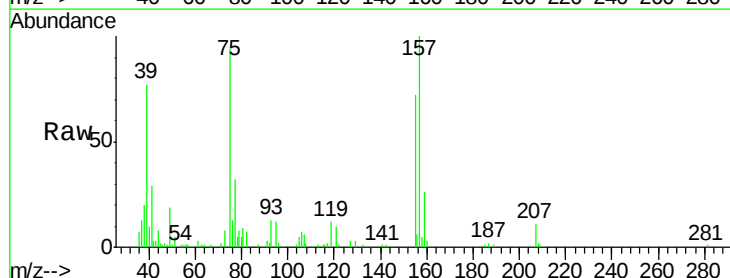
Manual Integrations
 APPROVED

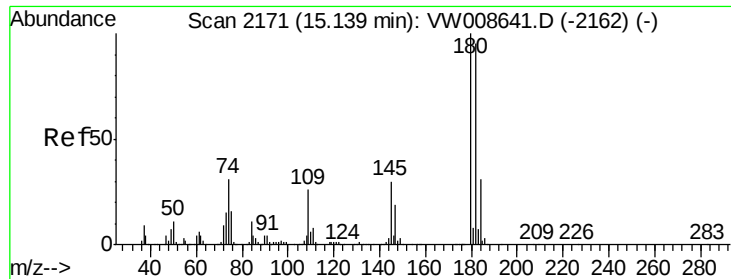
MMDadoda
 2/18/2019 2:34:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.871 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008703.D
 Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11388		
155	77.3	41.8	125.4	
157	108.2	53.8	161.4	





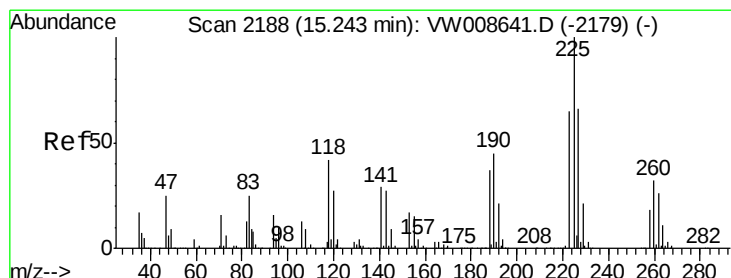
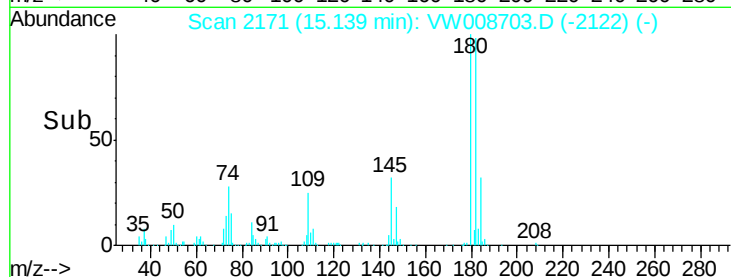
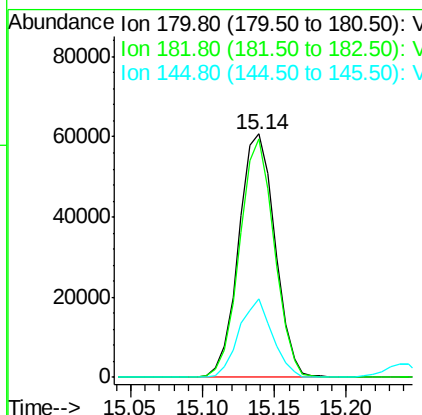
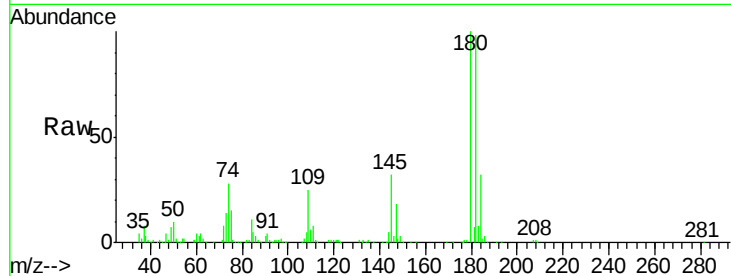
#93
1,2,4-Trichlorobenzene
Concen: 20.945 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106010		
182	93.3	47.5	142.5	
145	29.8	15.1	45.3	

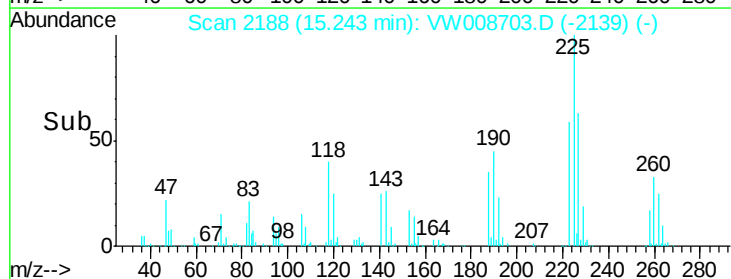
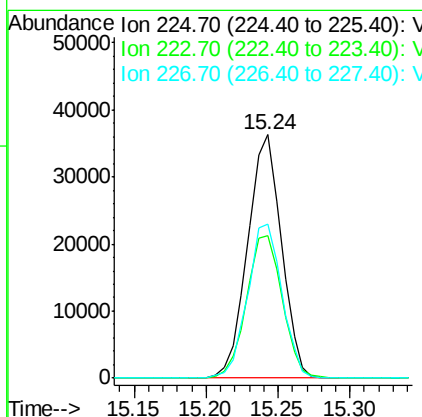
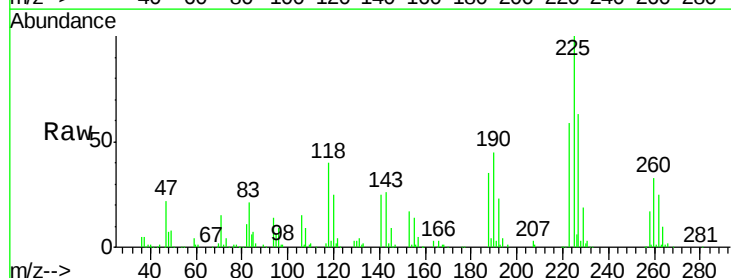
Manual Integrations
APPROVED

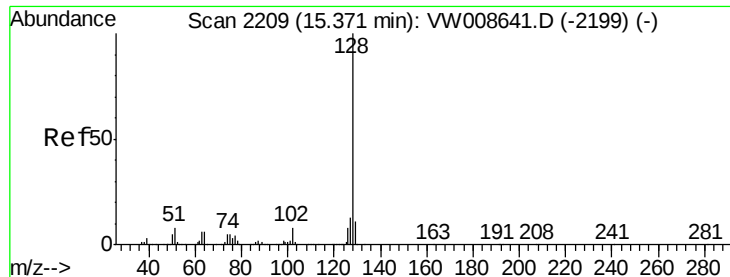
MMDadoda
2/18/2019 2:34:53 PM



#94
Hexachlorobutadiene
Concen: 20.014 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58967		
223	62.0	31.4	94.3	
227	64.2	32.4	97.0	





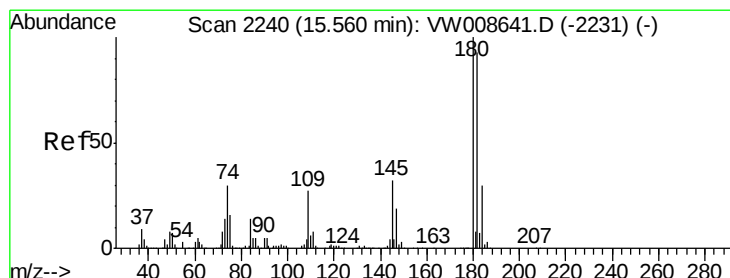
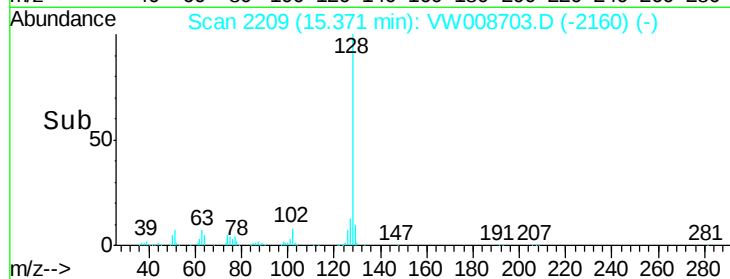
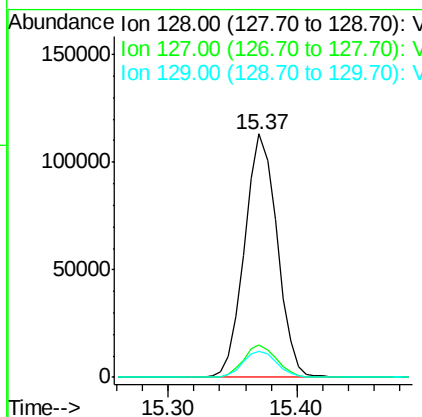
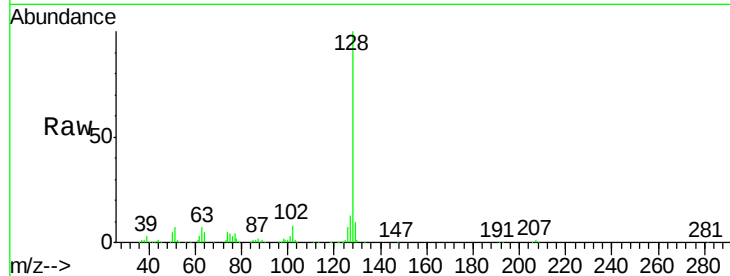
#95
Naphthalene
Concen: 21.766 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.9	16.3
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.796 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008703.D
Acq: 16 Feb 2019 01:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.5
145	32.1	15.9	47.7

