

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
 Data File : VW013378.D
 Acq On : 02 Oct 2019 15:11
 Operator : SY/VA
 Sample : VW1002SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:11:34 PM

Quant Time: Oct 02 16:19:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	401675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207275	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	135518	56.07	ug/l	0.00
Spiked Amount						
			Recovery	=	112.14%	
35) Dibromofluoromethane	7.88	113	134333	55.54	ug/l	0.00
Spiked Amount						
			Recovery	=	111.08%	
50) Toluene-d8	10.32	98	562391	56.03	ug/l	0.00
Spiked Amount						
			Recovery	=	112.06%	
62) 4-Bromofluorobenzene	12.62	95	194059	57.89	ug/l	0.00
Spiked Amount						
			Recovery	=	115.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27290	21.796	ug/l	96
3) Chloromethane	2.20	50	45575	22.058	ug/l	98
4) Vinyl Chloride	2.35	62	62952	21.469	ug/l	97
5) Bromomethane	2.76	94	38445	21.340	ug/l	92
6) Chloroethane	2.91	64	34067	20.120	ug/l	100
7) Trichlorofluoromethane	3.24	101	25892	20.353	ug/l	99
8) Diethyl Ether	3.68	74	30942	21.014	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60117	21.315	ug/l	99
10) Methyl Iodide	4.26	142	93255	20.474	ug/l	99
11) Tert butyl alcohol	5.17	59	16748m	63.639	ug/l	
12) 1,1-Dichloroethene	4.04	96	61429	20.614	ug/l	99
13) Acrolein	3.89	56	28464	122.122	ug/l	97
14) Allyl chloride	4.67	41	88482	20.072	ug/l	98
15) Acrylonitrile	5.35	53	75308	113.138	ug/l	99
16) Acetone	4.11	43	66083	89.195	ug/l	98
17) Carbon Disulfide	4.38	76	177101	21.304	ug/l	98
18) Methyl Acetate	4.66	43	39280	22.652	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	93865	21.402	ug/l	99
20) Methylene Chloride	4.91	84	71034	21.962	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	66012	20.801	ug/l	98
22) Diisopropyl ether	6.31	45	178177	20.930	ug/l	98
23) Vinyl Acetate	6.25	43	553715	108.395	ug/l	100
24) 1,1-Dichloroethane	6.21	63	108144	20.856	ug/l	98
25) 2-Butanone	7.17	43	102052	107.648	ug/l	91
26) 2,2-Dichloropropane	7.17	77	68296	21.829	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	68200	20.531	ug/l	99
28) Bromochloromethane	7.51	49	36072	19.240	ug/l #	96
29) Tetrahydrofuran	7.53	42	63949	121.172	ug/l	99
30) Chloroform	7.67	83	105239	20.698	ug/l	99
31) Cyclohexane	7.95	56	115513	20.889	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	84542	21.224	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90793	21.206	ug/l	99
37) Ethyl Acetate	7.25	43	44087	23.411	ug/l	99
38) Carbon Tetrachloride	8.07	117	79433	21.417	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
 Data File : VW013378.D
 Acq On : 02 Oct 2019 15:11
 Operator : SY/VA
 Sample : VW1002SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:11:34 PM

Quant Time: Oct 02 16:19:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	118487	21.013	ug/l	99
40) Benzene	8.32	78	256885	21.195	ug/l	99
41) Methacrylonitrile	7.48	41	24989	21.933	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66602	21.381	ug/l	99
43) Isopropyl Acetate	8.42	43	77326	21.743	ug/l	98
44) Trichloroethene	9.09	130	70850	20.759	ug/l	96
45) 1,2-Dichloropropane	9.37	63	60789	20.890	ug/l	99
46) Dibromomethane	9.46	93	30771	21.229	ug/l	96
47) Bromodichloromethane	9.64	83	74530	20.887	ug/l	98
48) Methyl methacrylate	9.44	41	40411	23.648	ug/l	94
49) 1,4-Dioxane	9.45	88	12676	557.879	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	207977	111.305	ug/l	99
52) Toluene	10.38	92	166588	21.310	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	78583	21.173	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94084	20.908	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	46884	21.683	ug/l	97
56) Ethyl methacrylate	10.65	69	62896	21.611	ug/l	97
57) 1,3-Dichloropropane	10.93	76	80817	21.500	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	145957	122.087	ug/l	99
59) 2-Hexanone	10.97	43	144558	111.616	ug/l	99
60) Dibromochloromethane	11.13	129	52828	21.356	ug/l	100
61) 1,2-Dibromoethane	11.23	107	46388	22.202	ug/l	100
64) Tetrachloroethene	10.86	164	62073	20.312	ug/l	98
65) Chlorobenzene	11.66	112	173074	21.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	59171	21.111	ug/l	99
67) Ethyl Benzene	11.73	91	312809	21.209	ug/l	99
68) m/p-Xylenes	11.84	106	241615	42.442	ug/l	99
69) o-Xylene	12.16	106	109691	20.840	ug/l	98
70) Styrene	12.18	104	190711	21.196	ug/l	99
71) Bromoform	12.35	173	33728	22.196	ug/l #	97
73) Isopropylbenzene	12.46	105	310008	20.447	ug/l	100
74) N-amyl acetate	12.27	43	70666	21.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	55226	21.520	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	36233m	19.668	ug/l	
77) Bromobenzene	12.74	156	73868	20.290	ug/l	99
78) n-propylbenzene	12.80	91	362191	20.767	ug/l	100
79) 2-Chlorotoluene	12.89	91	202290	20.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	263714	20.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17505	22.710	ug/l	97
82) 4-Chlorotoluene	12.99	91	211040	20.798	ug/l	99
83) tert-Butylbenzene	13.21	119	231073	21.005	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	261723	20.903	ug/l	98
85) sec-Butylbenzene	13.38	105	316033	20.836	ug/l	99
86) p-Isopropyltoluene	13.50	119	294477	20.950	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	142654	20.828	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	140388	20.471	ug/l	100
89) n-Butylbenzene	13.82	91	267184	21.083	ug/l	99
90) Hexachloroethane	14.09	117	49439	21.289	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	125585	20.741	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8747	22.788	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
Data File : VW013378.D
Acq On : 02 Oct 2019 15:11
Operator : SY/VA
Sample : VW1002SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM

Quant Time: Oct 02 16:19:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	91837	21.135	ug/l	99
94) Hexachlorobutadiene	15.24	225	60593	21.466	ug/l	99
95) Naphthalene	15.36	128	161327	22.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	82535	21.755	ug/l	97

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

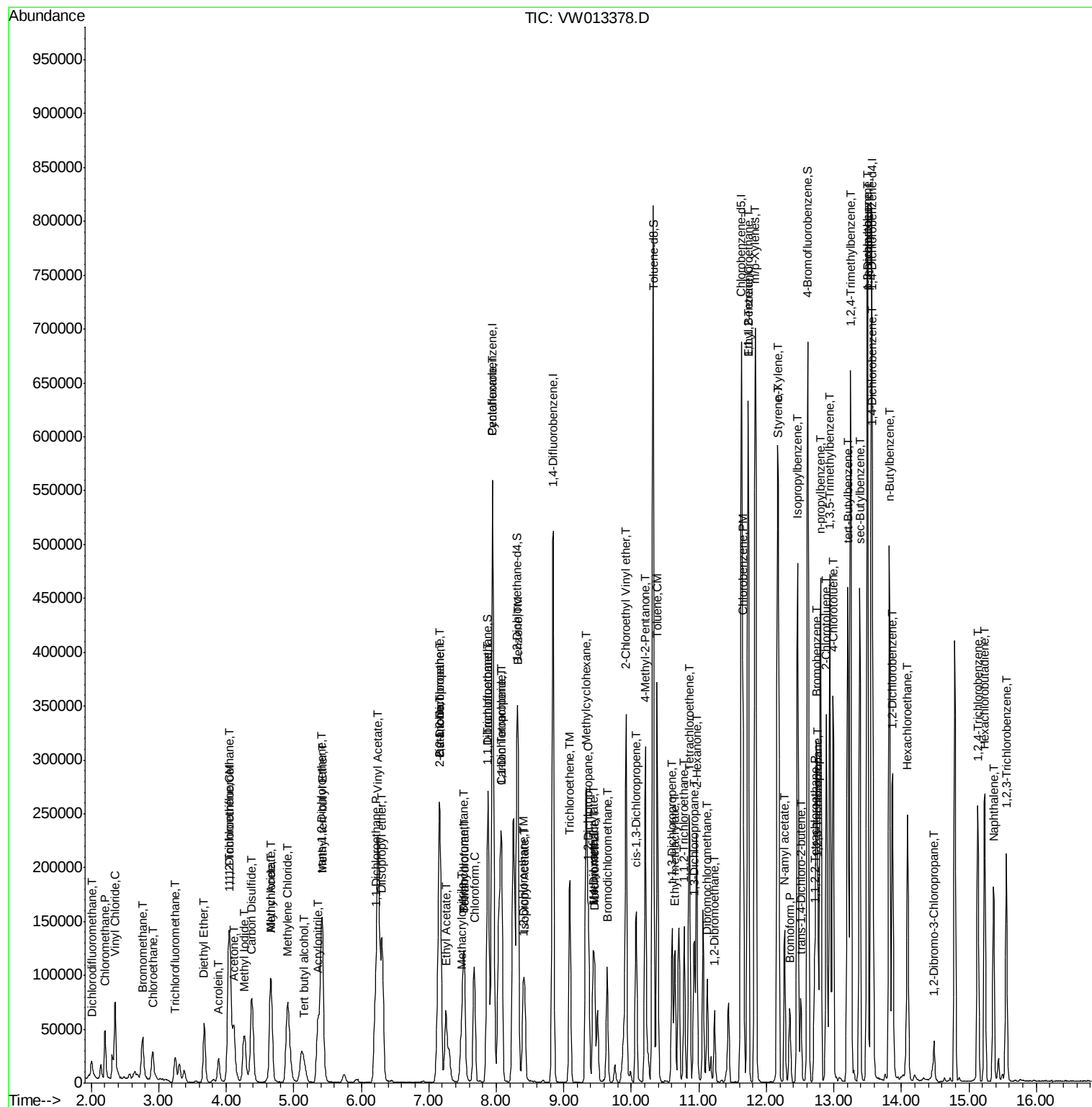
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100219\
Data File : VW013378.D
Acq On : 02 Oct 2019 15:11
Operator : SY/VA
Sample : VW1002SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

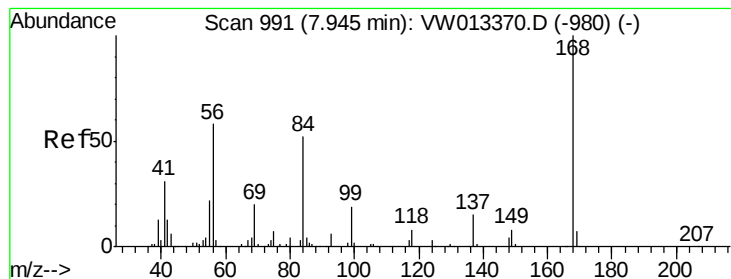
Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM

Quant Time: Oct 02 16:19:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD01

Tot Ion:168 Resp: 323714

Ion Ratio Lower Upper

168 100

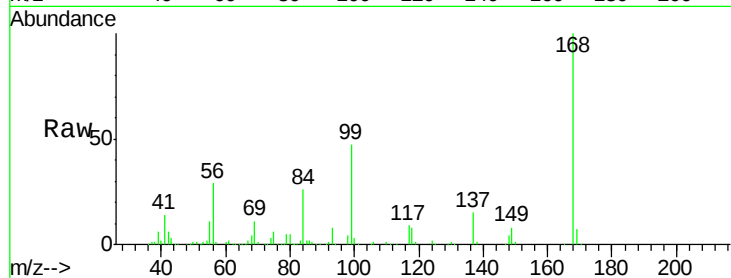
99 47.5 40.2 60.4

Manual Integrations

APPROVED

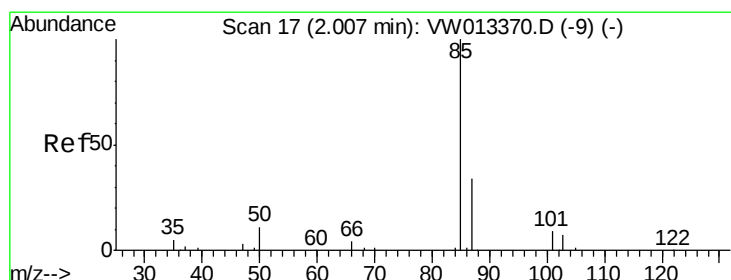
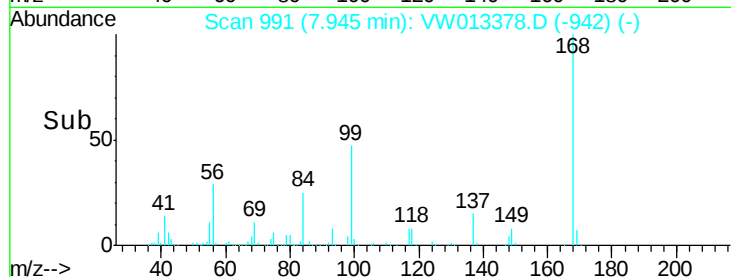
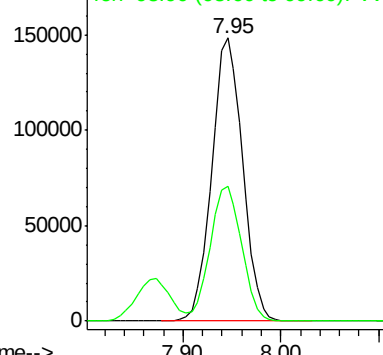
MMDadoda

10/4/2019 12:11:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.796 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013378.D

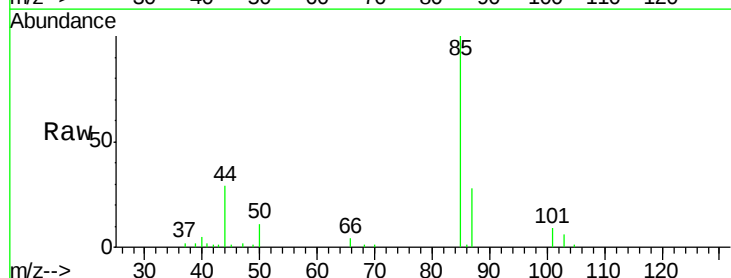
Acq: 02 Oct 2019 15:11

Tgt Ion: 85 Resp: 27290

Ion Ratio Lower Upper

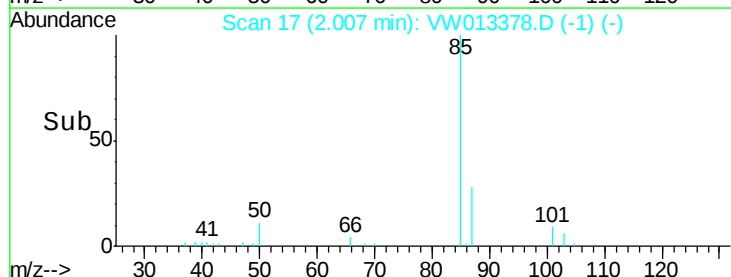
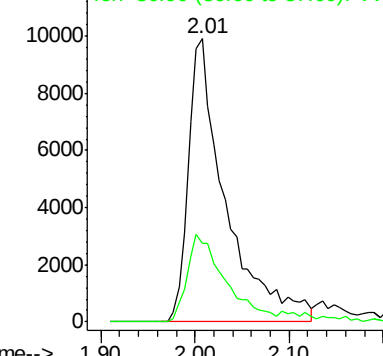
85 100

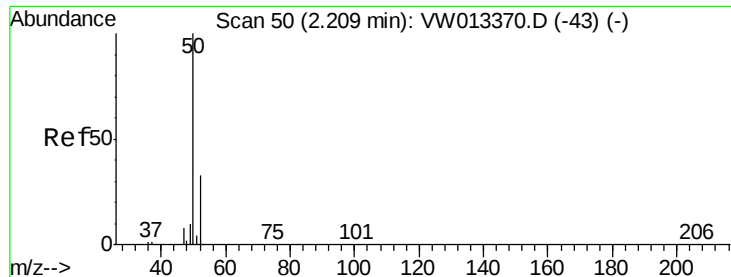
87 27.8 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.058 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD01

Tot Ion: 50 Resp: 45575

Ion Ratio Lower Upper

50 100

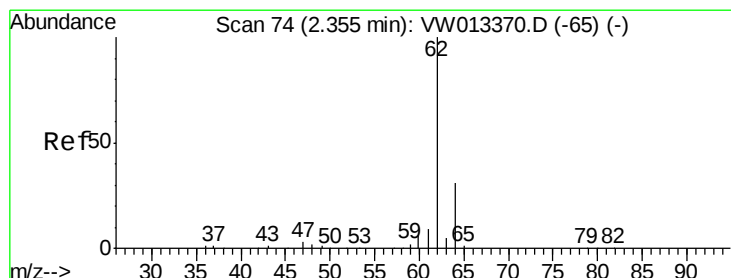
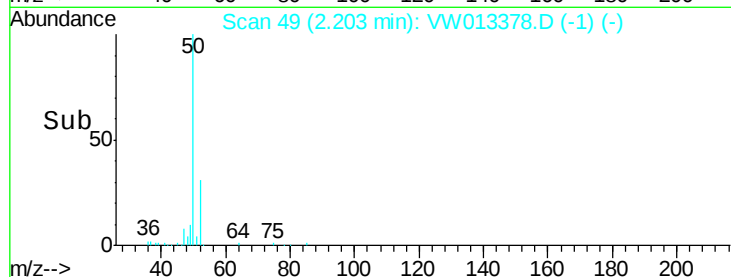
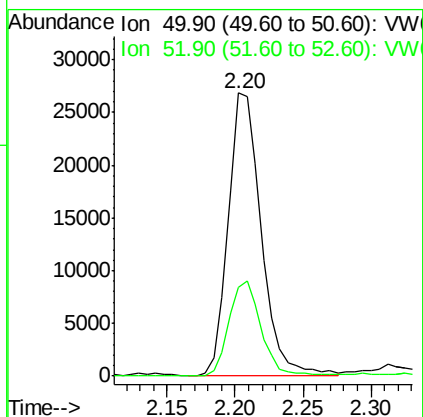
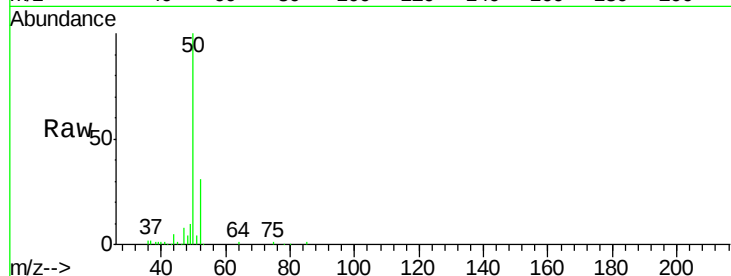
52 31.3 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:11:34 PM



#4

Vinyl Chloride

Concen: 21.469 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013378.D

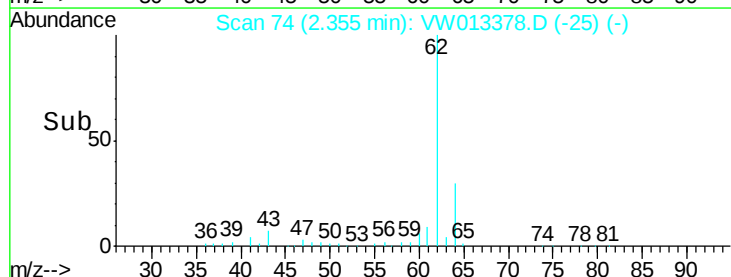
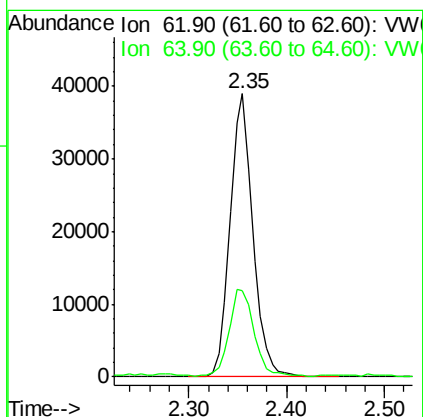
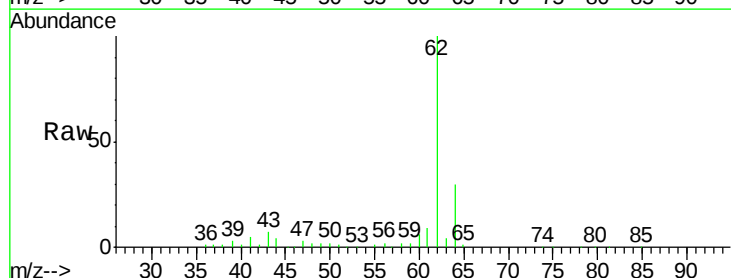
Acq: 02 Oct 2019 15:11

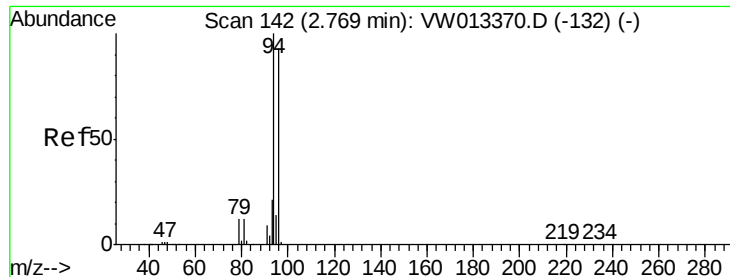
Tgt Ion: 62 Resp: 62952

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 21.340 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD01

Tot Ion: 94 Resp: 38445

Ion Ratio Lower Upper

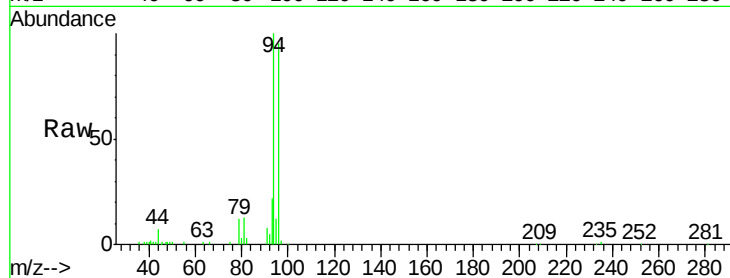
94 100

96 94.5 69.7 104.5

Manual Integrations
APPROVED

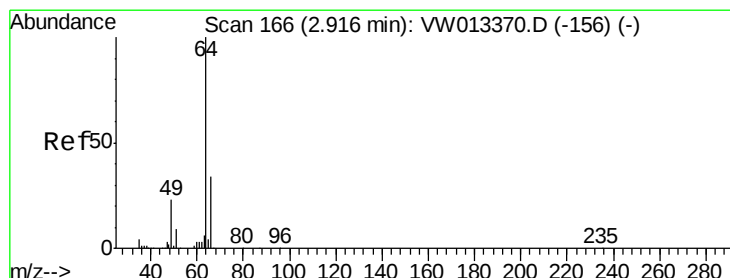
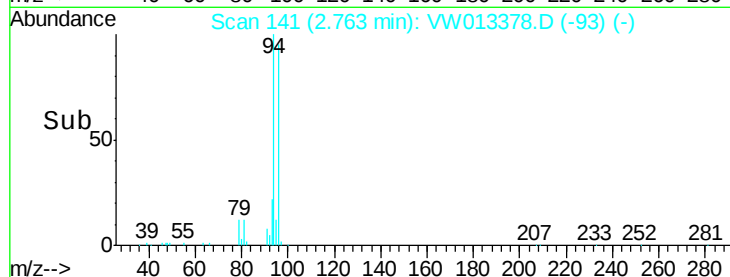
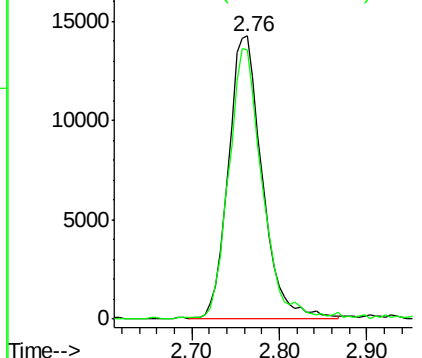
MMDadoda

10/4/2019 12:11:34 PM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.120 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013378.D

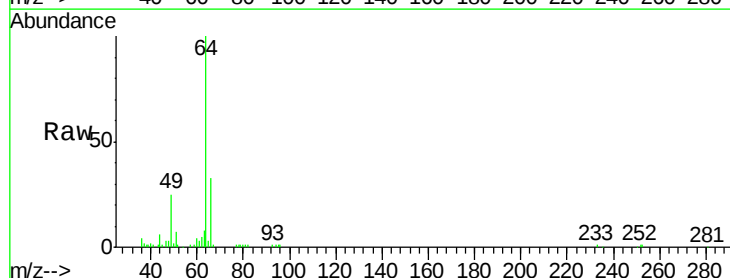
Acq: 02 Oct 2019 15:11

Tgt Ion: 64 Resp: 34067

Ion Ratio Lower Upper

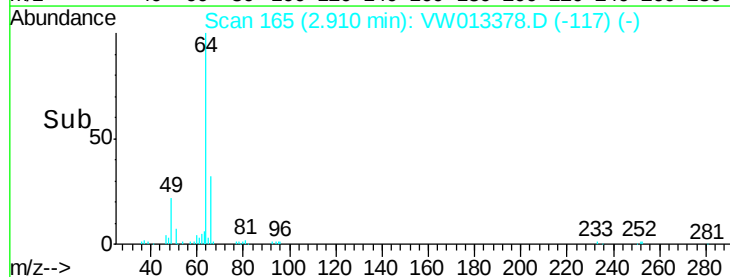
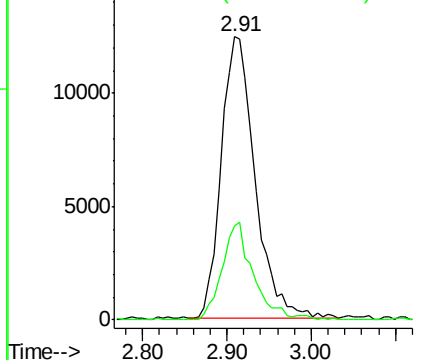
64 100

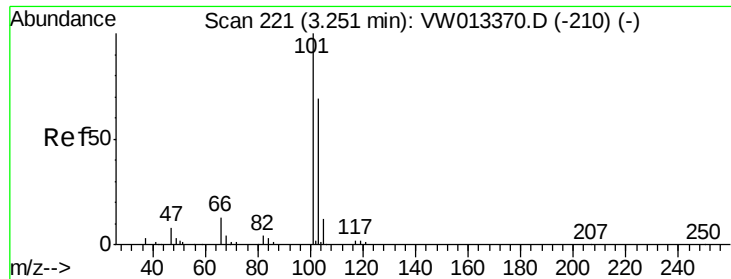
66 33.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

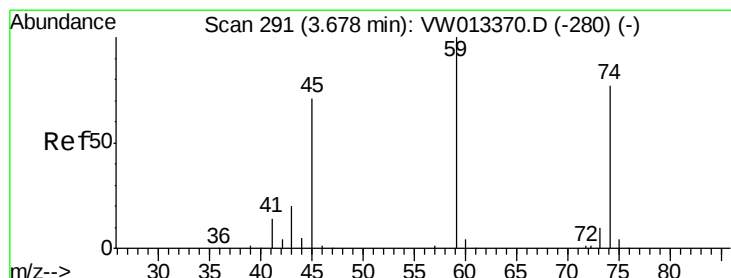
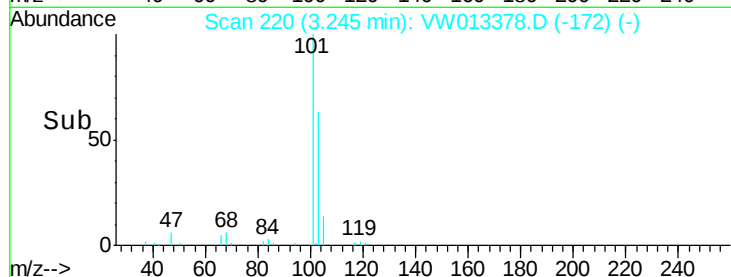
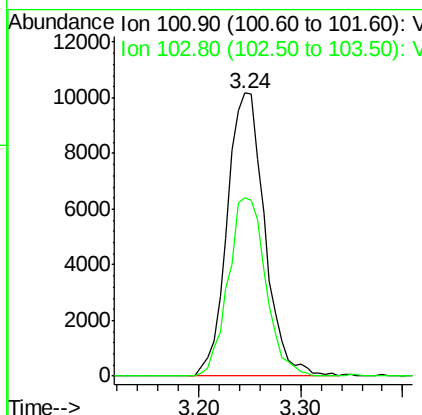
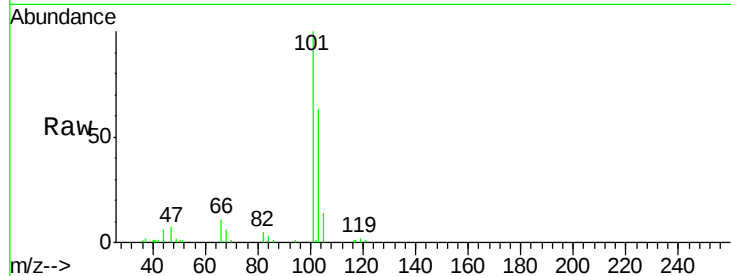
Trichlorofluoromethane
 Concen: 20.353 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	49.7	74.5

Manual Integrations
 APPROVED

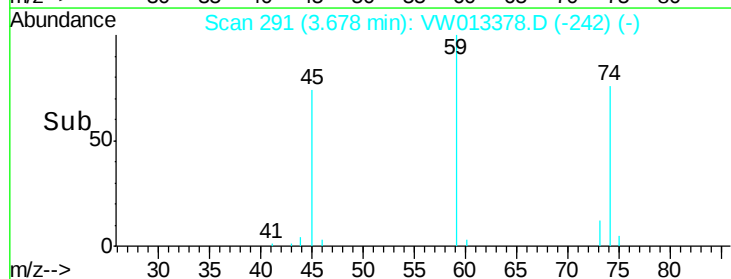
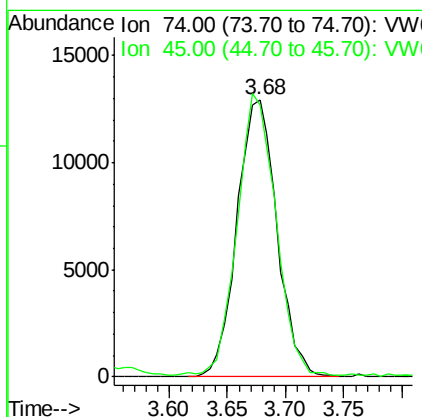
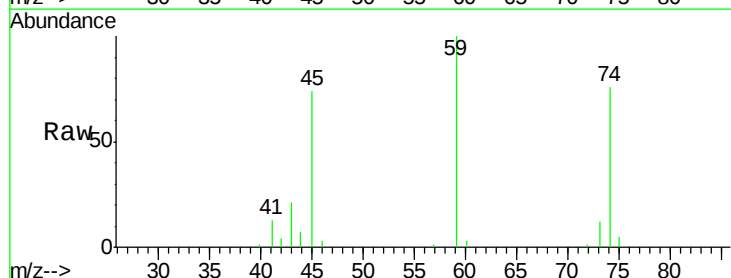
MMDadoda
 10/4/2019 12:11:34 PM

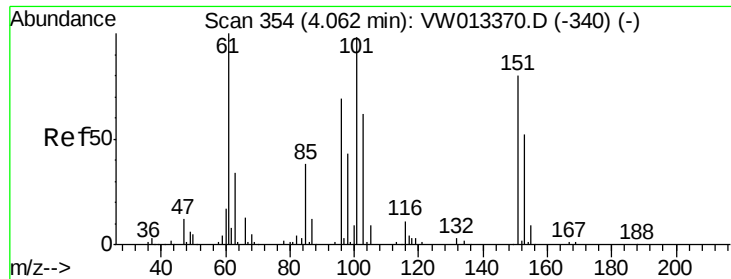


#8

Diethyl Ether
 Concen: 21.014 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.315 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

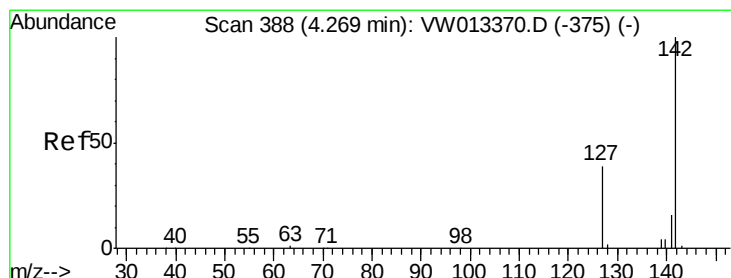
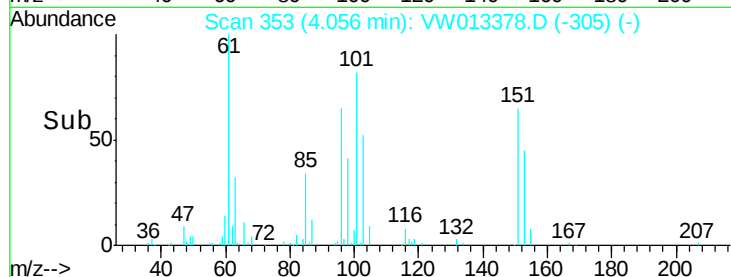
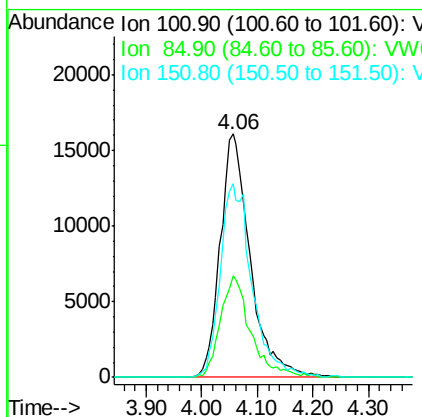
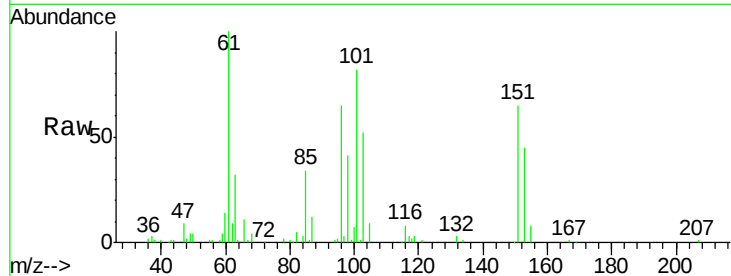
ClientSampleId :

VW1002SBS01

Tot Ion:	101	Resp:	60117
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.0
151	84.4	66.9	100.3

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM



#10

Methyl Iodide

Concen: 20.474 ug/l

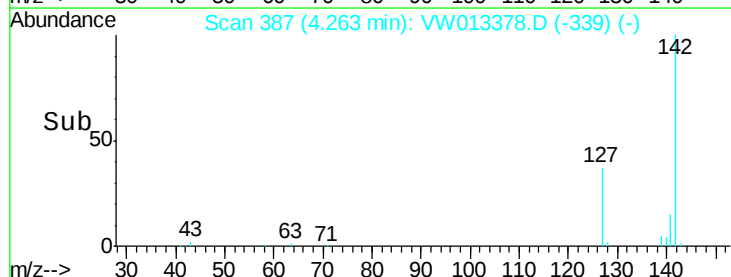
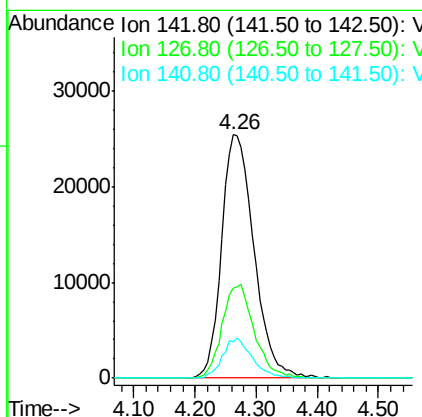
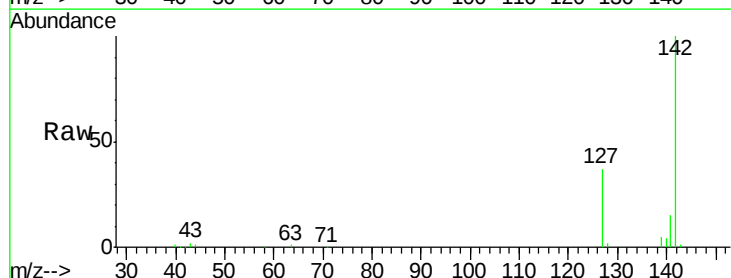
RT: 4.26 min Scan# 387

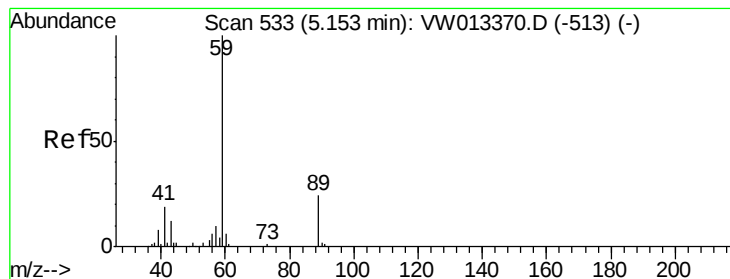
Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion:	142	Resp:	93255
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.9	46.3
141	15.0	11.7	17.5





#11

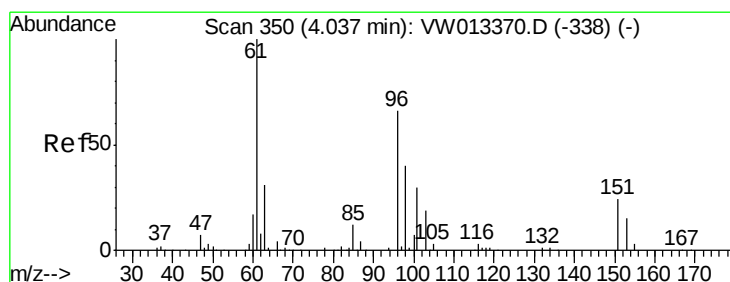
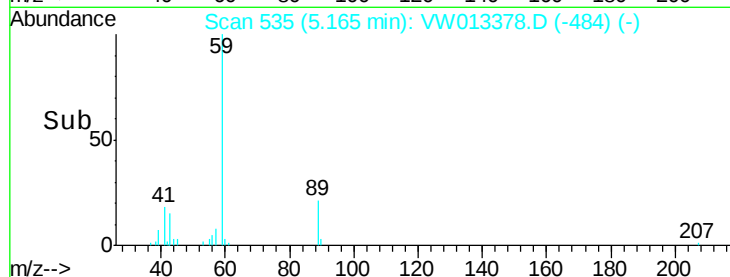
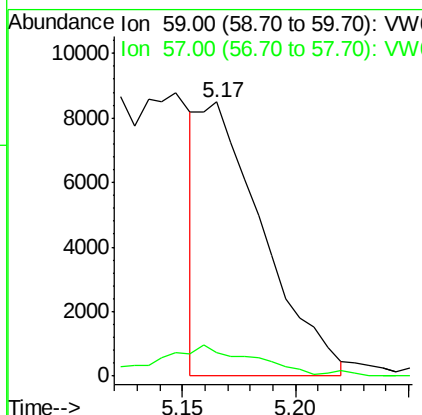
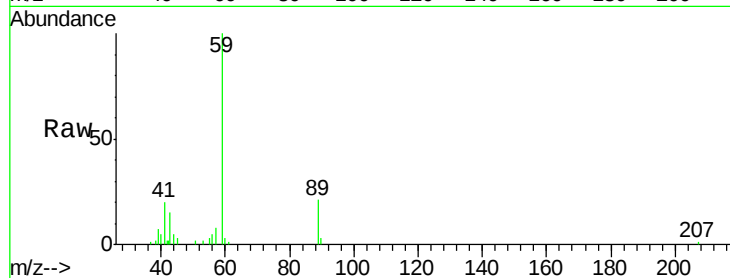
Tert butyl alcohol
 Concen: 63.639 ug/l m
 RT: 5.17 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion	59	Resp	16748
Ion Ratio	100	Lower	Upper
57	17.7	8.2	12.2#

Manual Integrations
 APPROVED

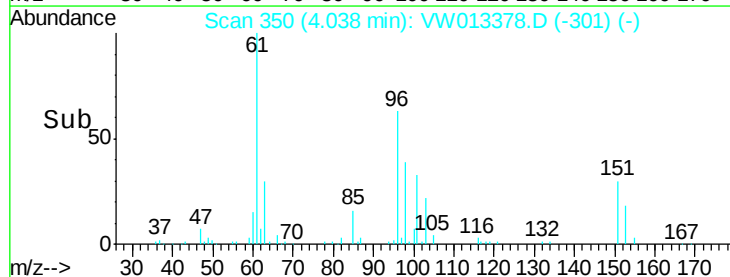
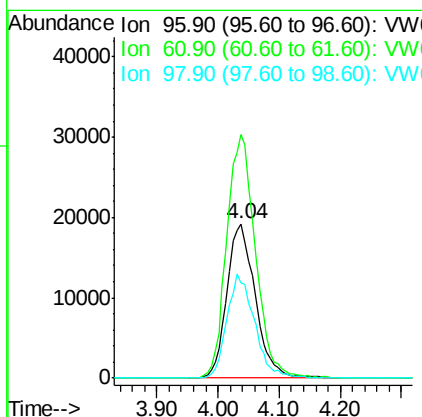
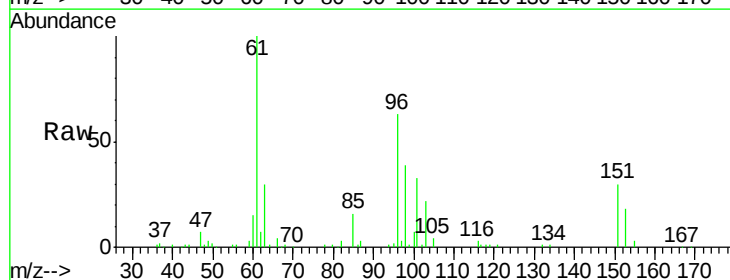
MMDadoda
 10/4/2019 12:11:34 PM

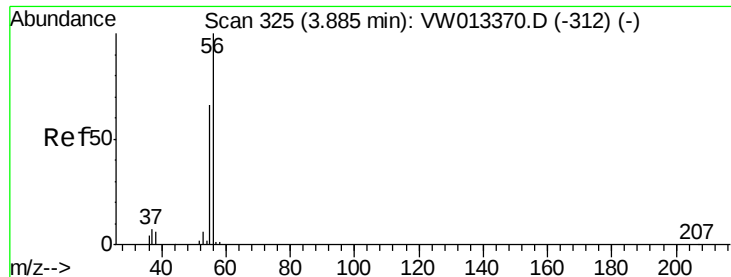


#12

1,1-Dichloroethene
 Concen: 20.614 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion	96	Resp	61429
Ion Ratio	100	Lower	Upper
61	157.5	125.1	187.7
98	61.4	50.8	76.2





#13

Acrolein

Concen: 122.122 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD01

Tot Ion: 56 Resp: 28464

Ion Ratio Lower Upper

56 100

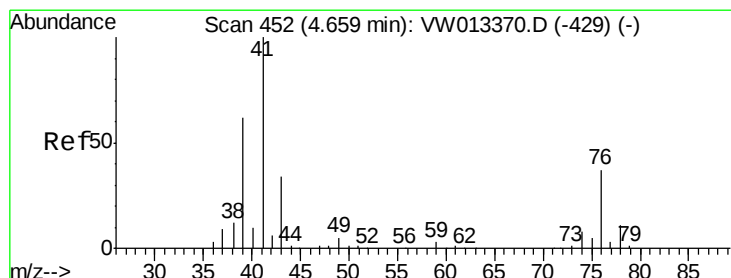
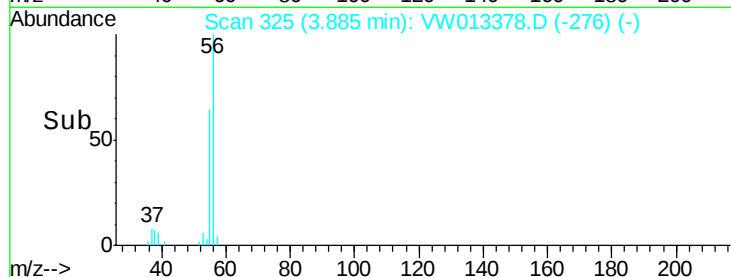
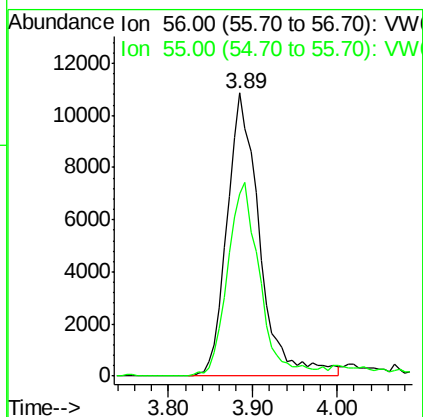
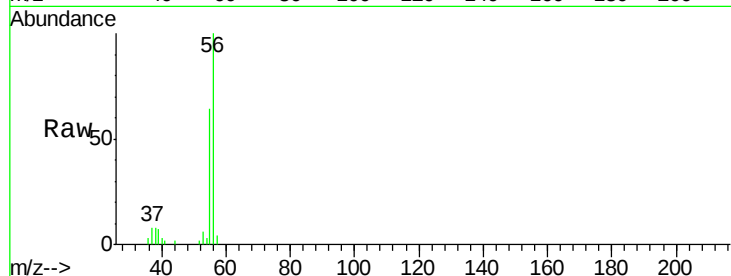
55 67.0 55.4 83.0

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:11:34 PM



#14

Allyl chloride

Concen: 20.072 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

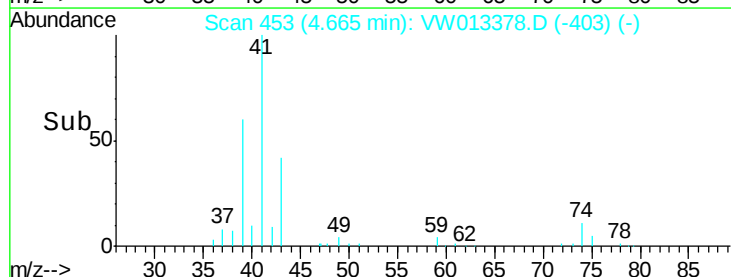
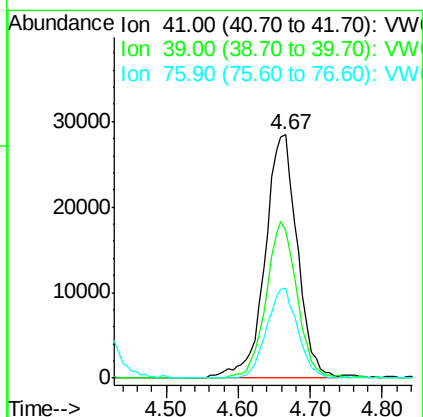
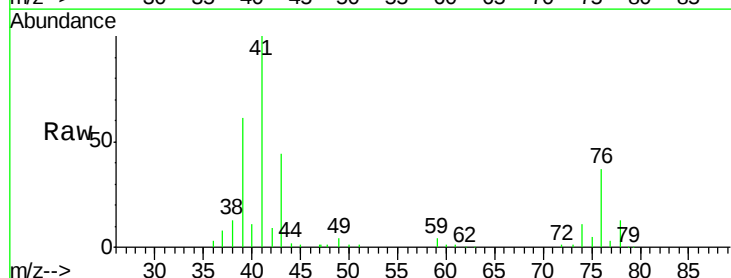
Tgt Ion: 41 Resp: 88482

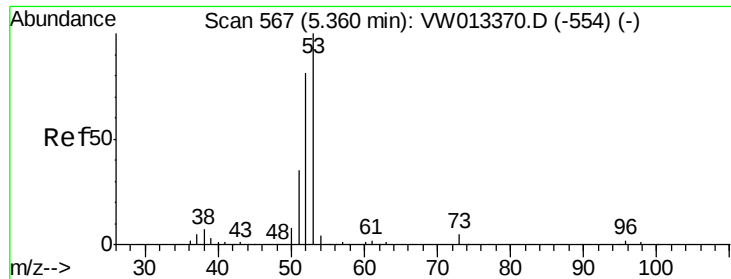
Ion Ratio Lower Upper

41 100

39 61.4 51.0 76.4

76 35.6 28.4 42.6





#15

Acrylonitrile

Concen: 113.138 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

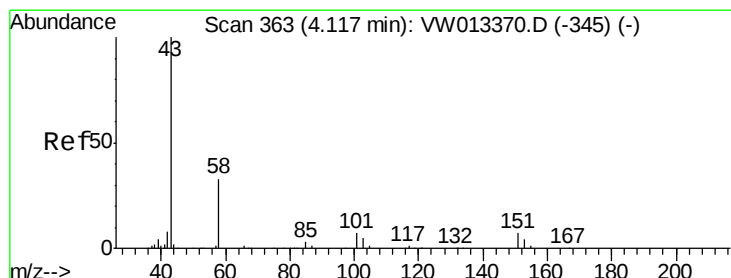
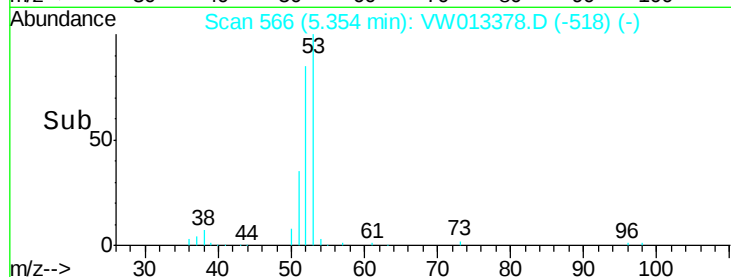
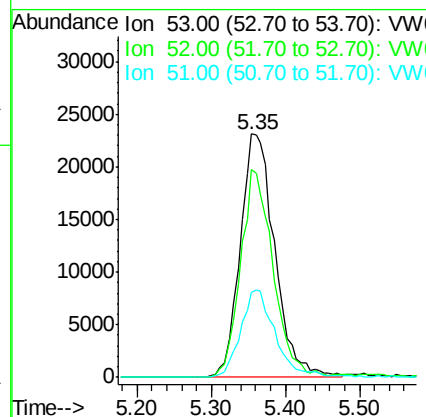
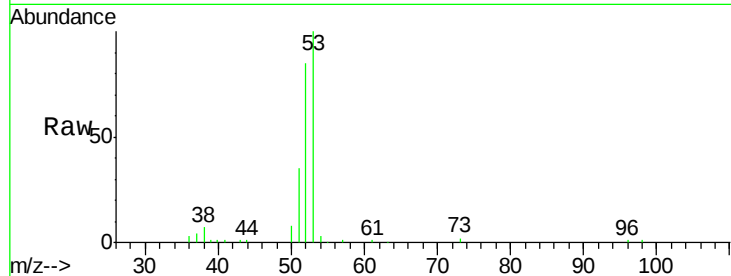
ClientSampleId :

VW1002SBSD01

Tot Ion:	53	Resp:	75308
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.3	97.9
51	35.7	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM



#16

Acetone

Concen: 89.195 ug/l

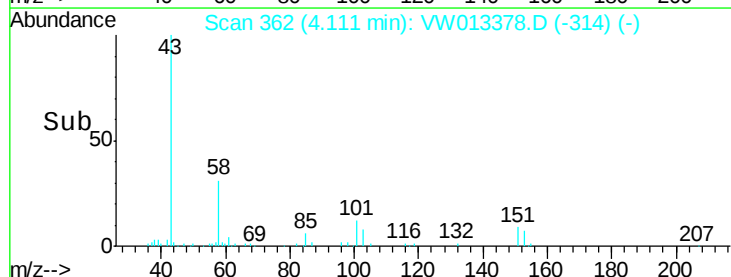
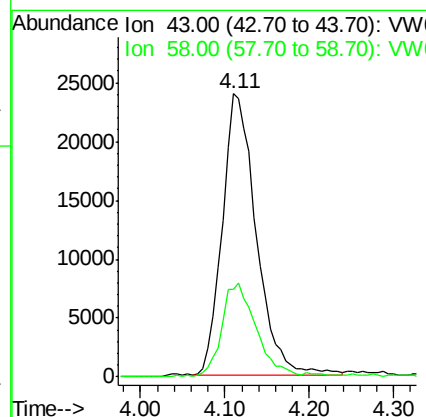
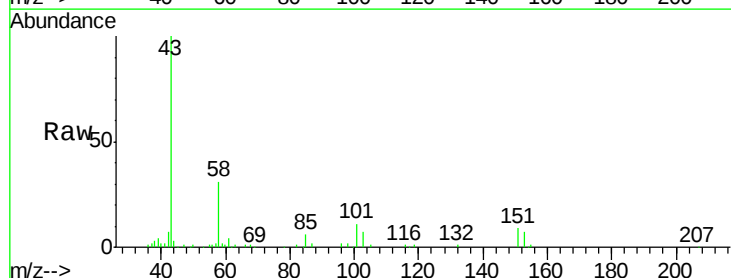
RT: 4.11 min Scan# 362

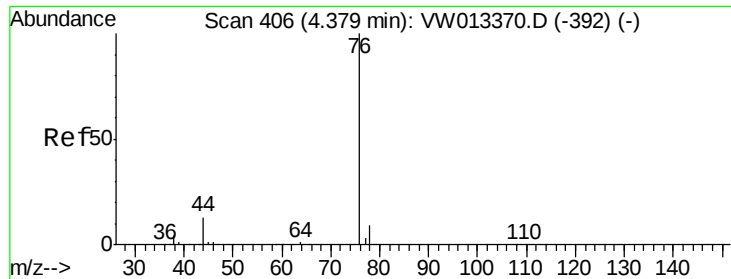
Delta R.T. -0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion:	43	Resp:	66083
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.1	36.1





#17

Carbon Disulfide

Concen: 21.304 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD01

Tot Ion: 76 Resp: 177101

Ion Ratio Lower Upper

76 100

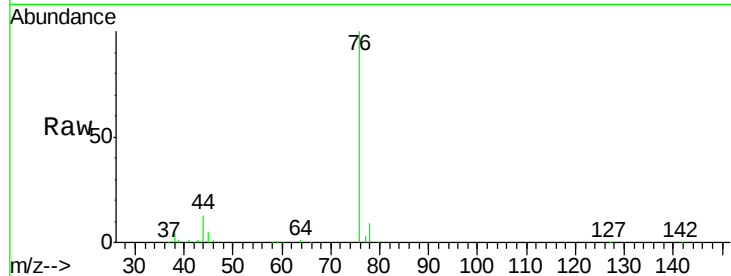
78 9.4 7.0 10.4

Manual Integrations

APPROVED

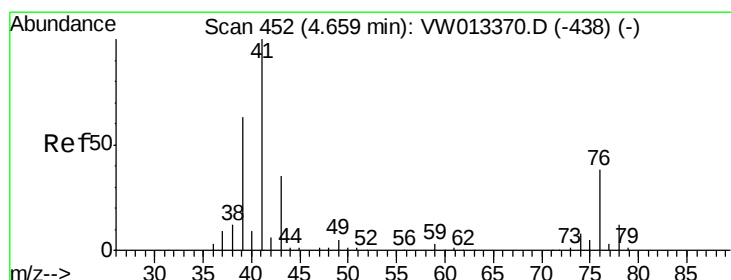
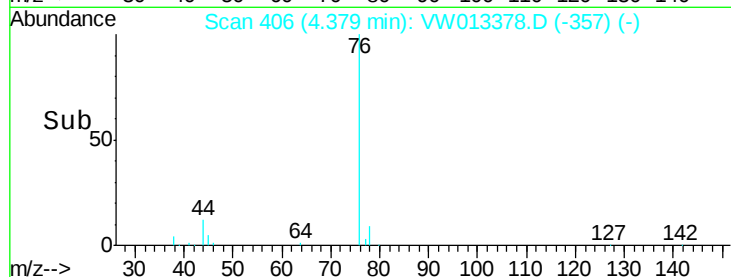
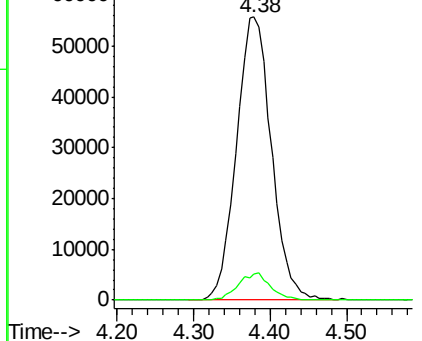
MMDadoda

10/4/2019 12:11:34 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.652 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013378.D

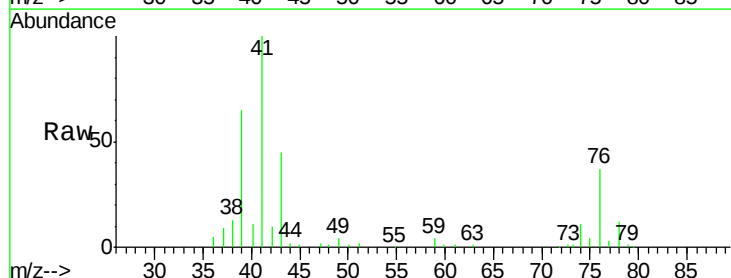
Acq: 02 Oct 2019 15:11

Tgt Ion: 43 Resp: 39280

Ion Ratio Lower Upper

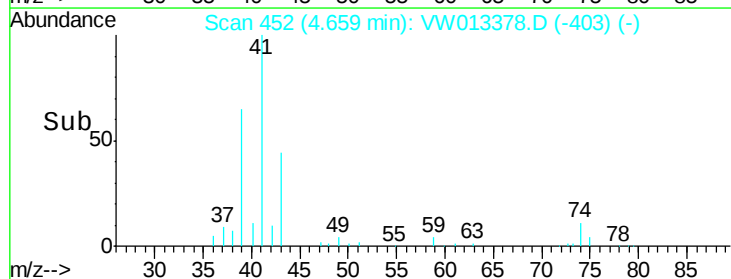
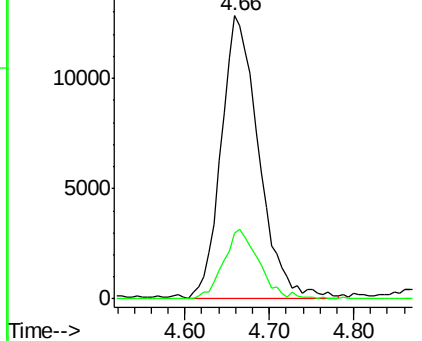
43 100

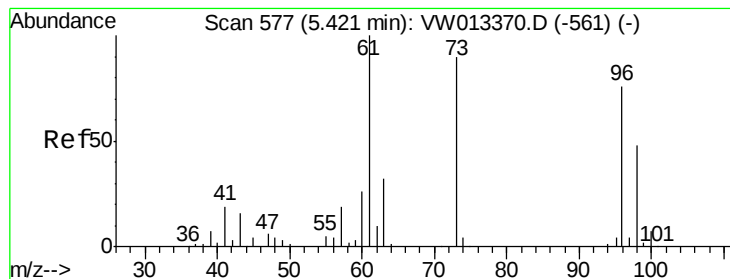
74 22.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

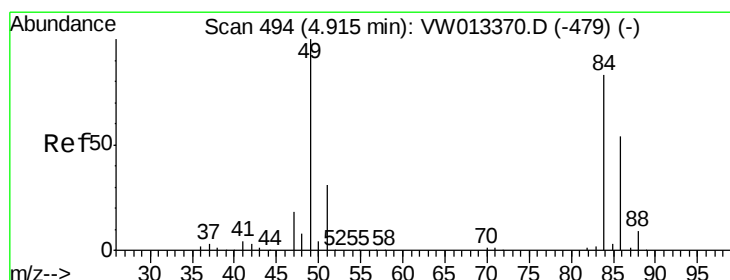
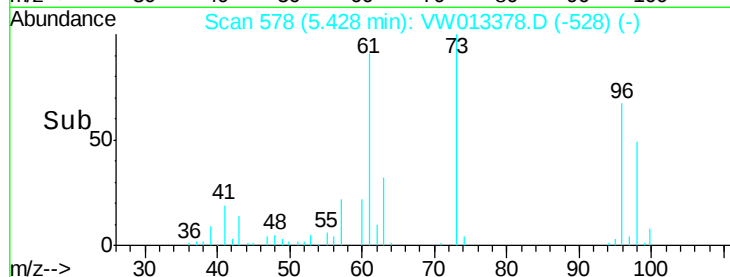
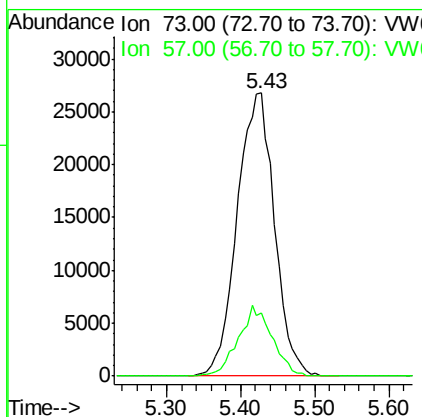
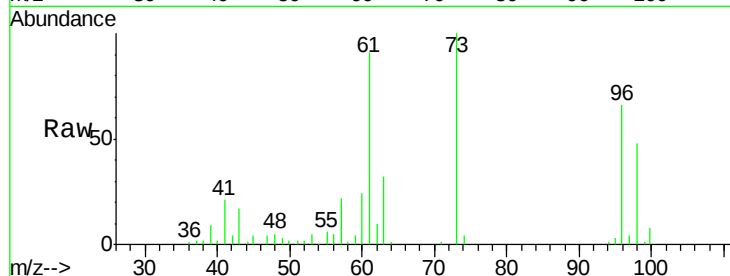
Methyl tert-butyl Ether
 Concen: 21.402 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion: 73 Resp: 93865
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.6 26.4

Manual Integrations
 APPROVED

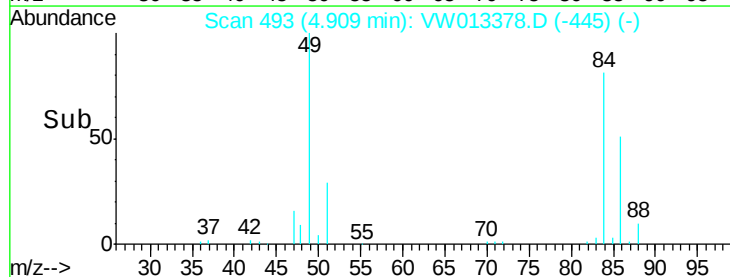
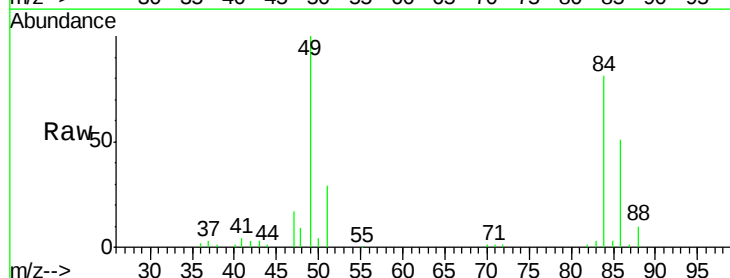
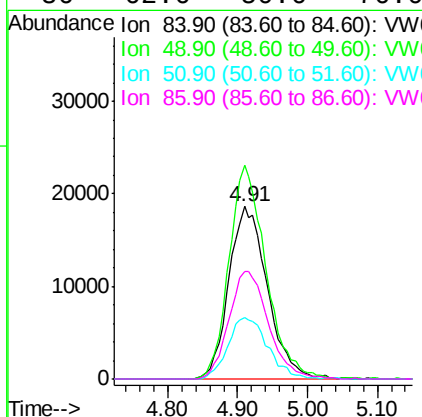
MMDadoda
 10/4/2019 12:11:34 PM

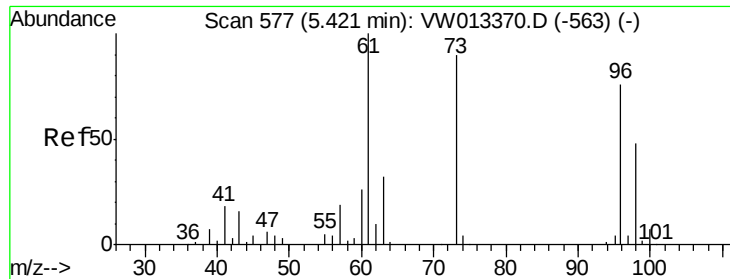


#20

Methylene Chloride
 Concen: 21.962 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion: 84 Resp: 71034
 Ion Ratio Lower Upper
 84 100
 49 123.8 97.6 146.4
 51 35.8 30.2 45.2
 86 62.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.801 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

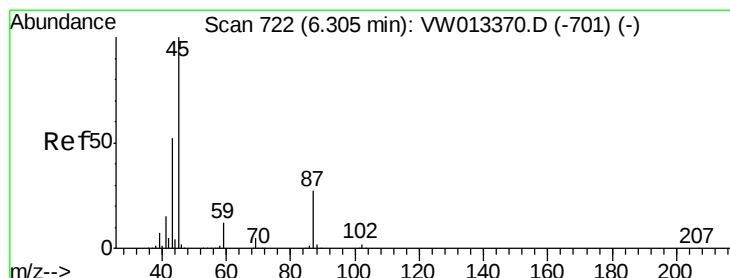
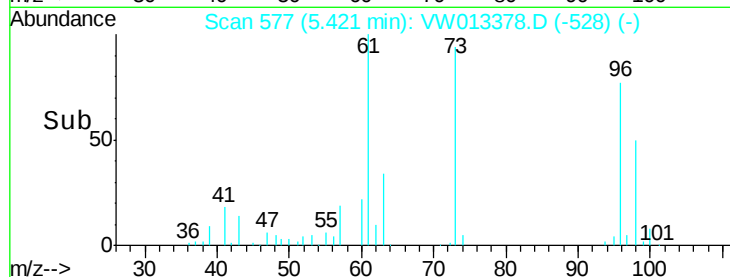
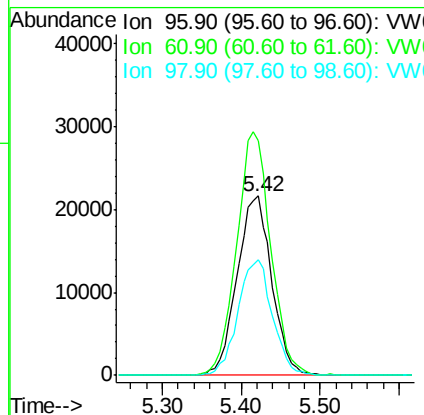
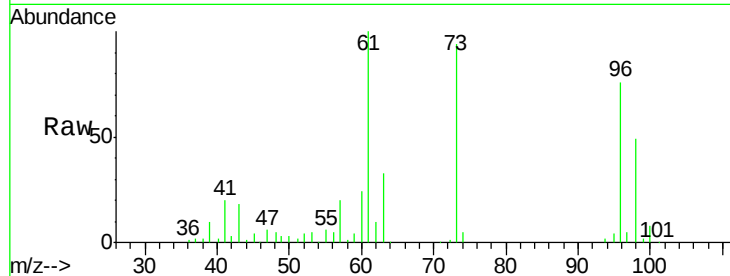
ClientSampleId :

VW1002SBSD01

Tot Ion:	96	Resp:	66012
Ion	Ratio	Lower	Upper
96	100		
61	131.2	106.6	159.8
98	64.5	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM



#22

Diisopropyl ether

Concen: 20.930 ug/l

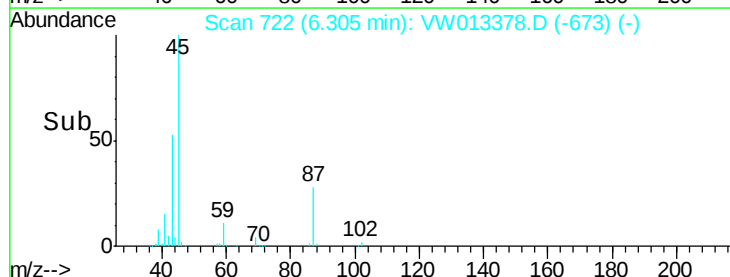
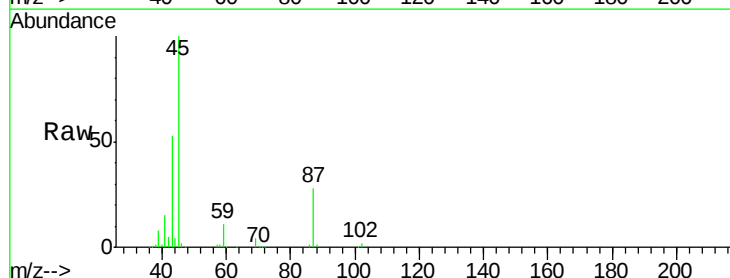
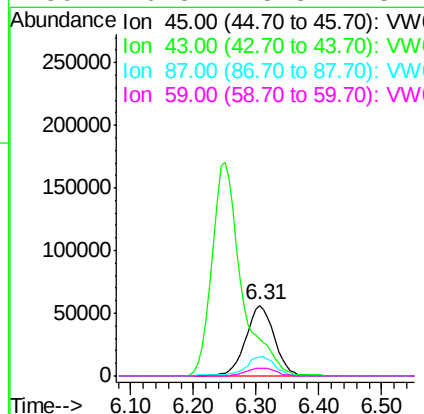
RT: 6.31 min Scan# 722

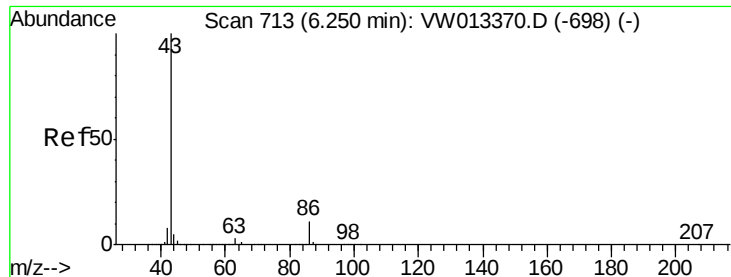
Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion:	45	Resp:	178177
Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.4	63.6
87	27.8	20.4	30.6
59	10.8	8.8	13.2





#23

Vinyl Acetate

Concen: 108.395 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 43 Resp: 553715

Ion Ratio Lower Upper

43 100

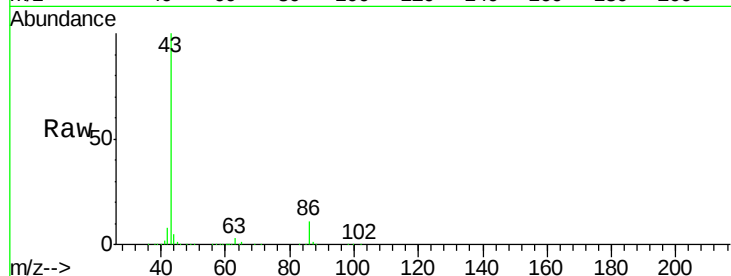
86 10.6 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:11:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

200000

150000

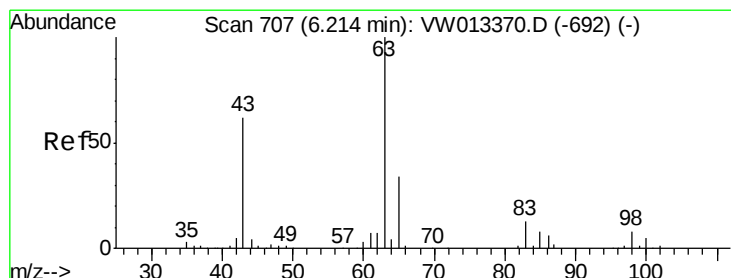
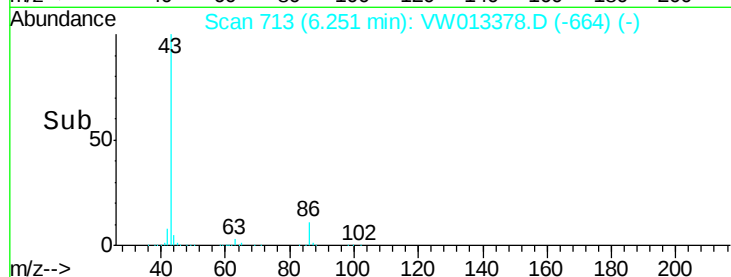
100000

50000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.856 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

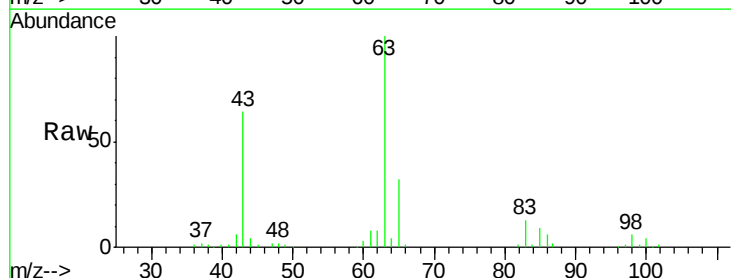
Tgt Ion: 63 Resp: 108144

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 4.3 2.4 7.1



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

40000

30000

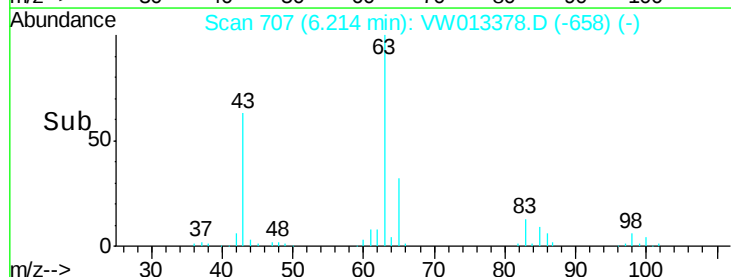
20000

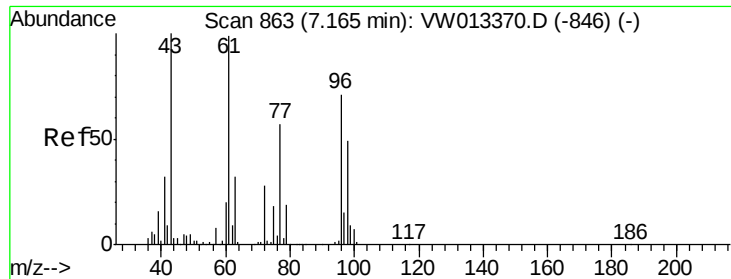
10000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 107.648 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 43 Resp: 102052

Ion Ratio Lower Upper

43 100

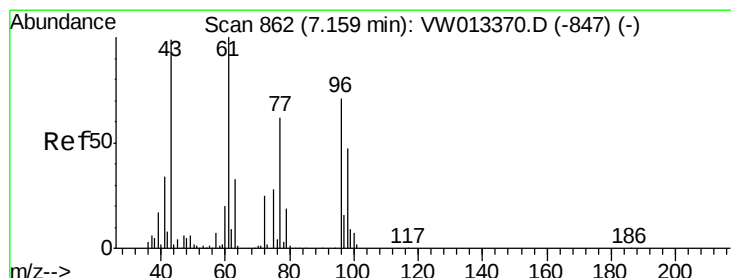
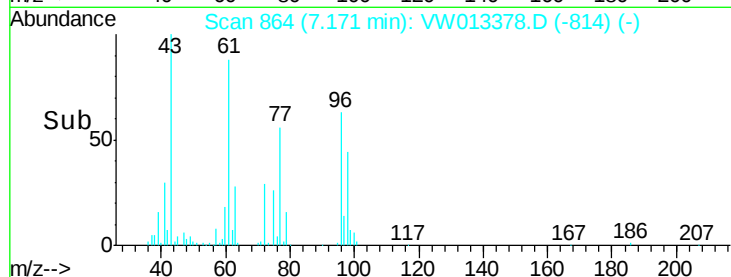
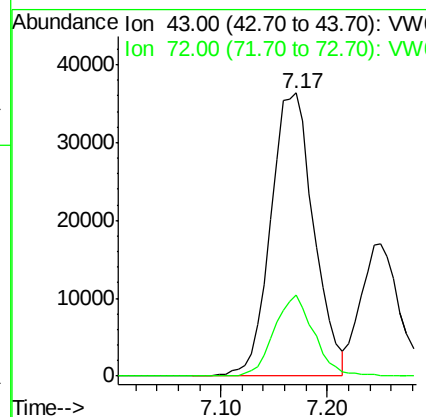
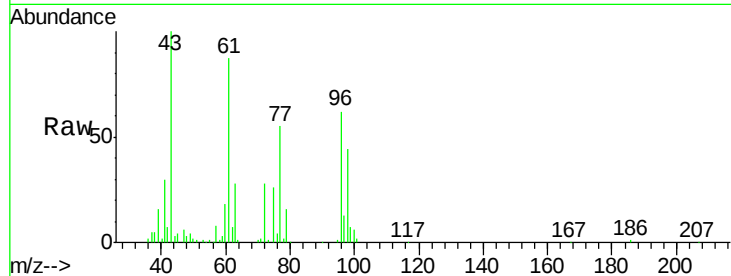
72 28.5 19.4 29.0

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:11:34 PM



#26

2,2-Dichloropropane

Concen: 21.829 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013378.D

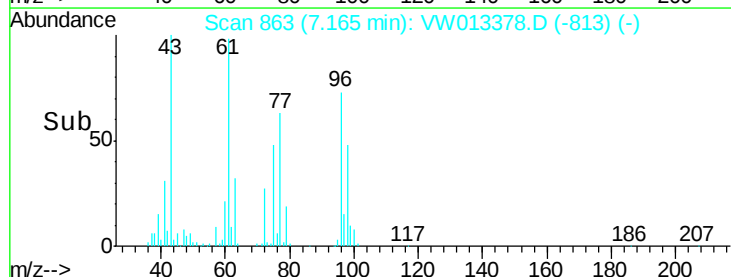
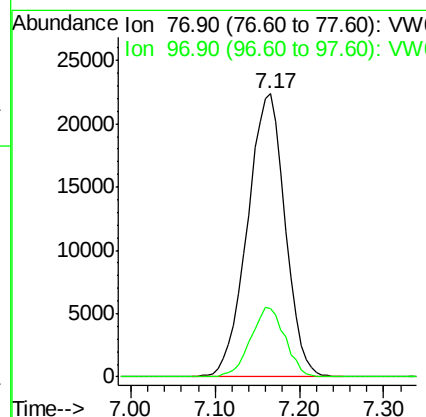
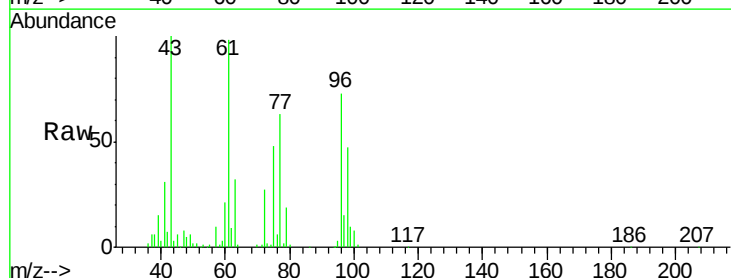
Acq: 02 Oct 2019 15:11

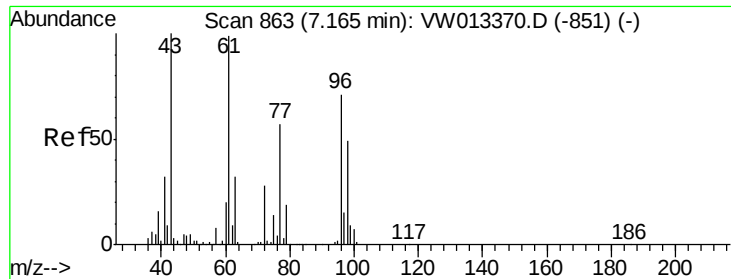
Tgt Ion: 77 Resp: 68296

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.4





#27

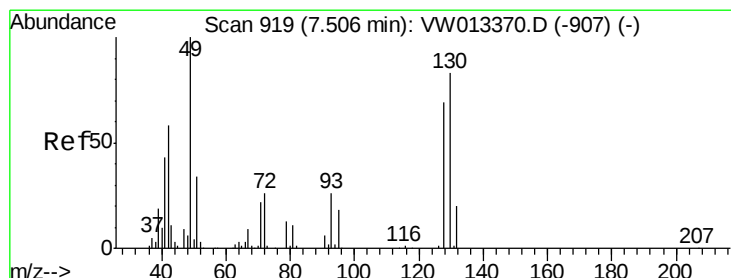
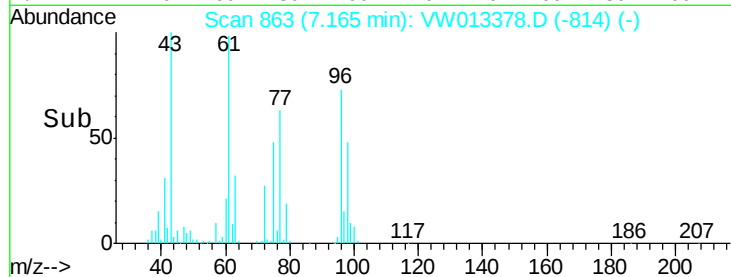
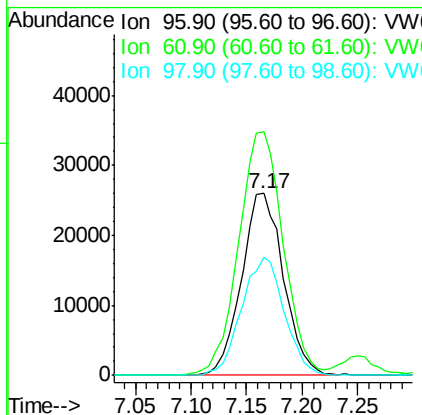
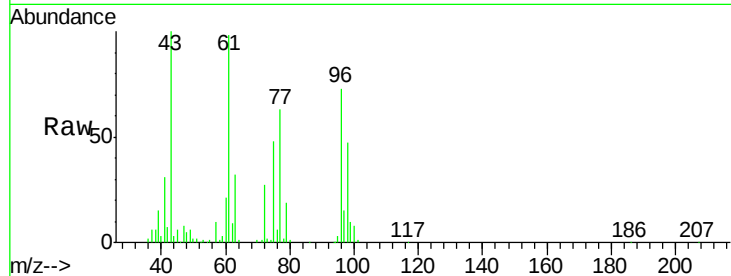
cis-1,2-Dichloroethene
 Concen: 20.531 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	282.4
98	66.1	0.0	128.2

Manual Integrations
 APPROVED

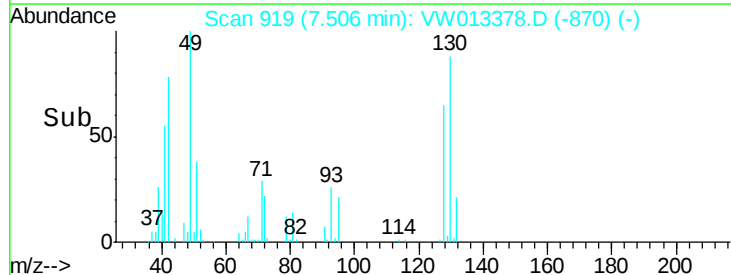
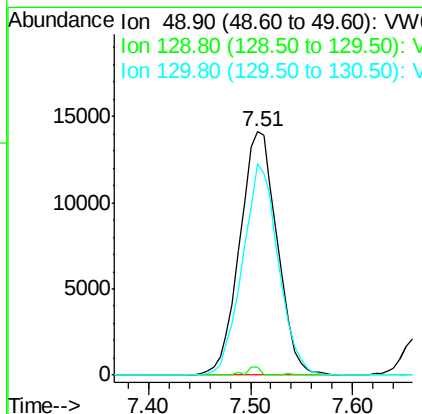
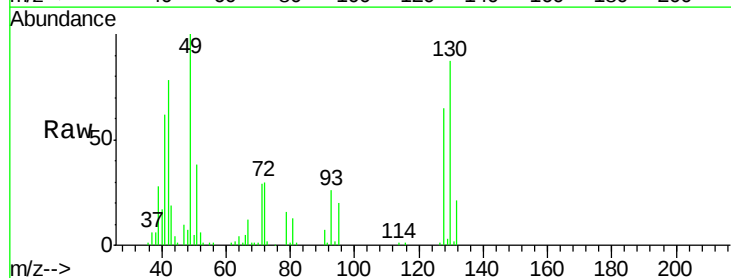
MMDadoda
 10/4/2019 12:11:34 PM

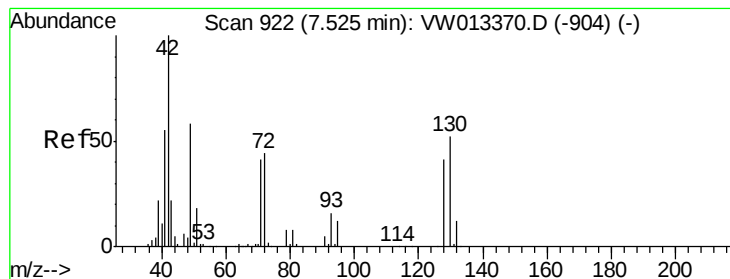


#28

Bromochloromethane
 Concen: 19.240 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.0#
130	83.0	63.4	95.2





#29

Tetrahydrofuran

Concen: 121.172 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

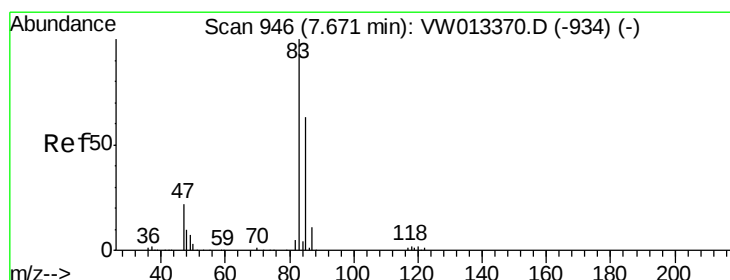
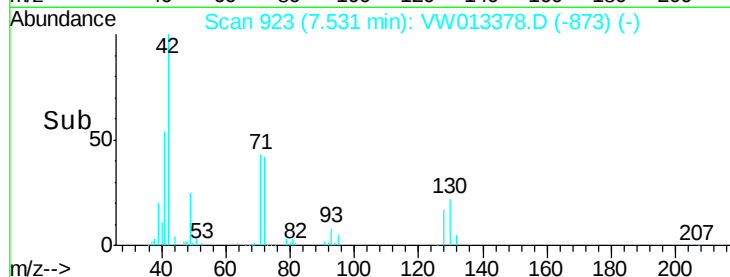
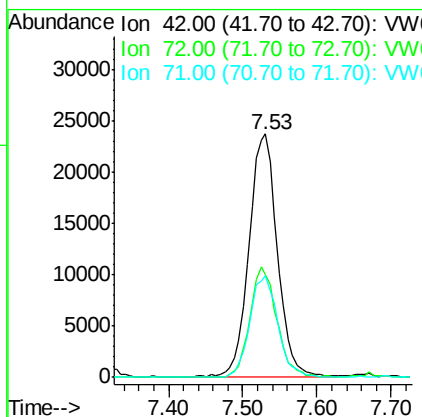
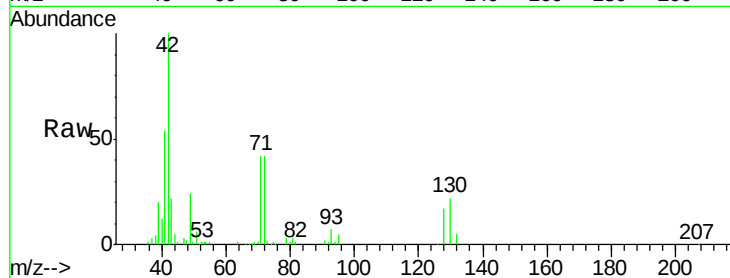
ClientSampleId :

VW1002SBS01

Tot Ion:	42	Resp:	63949
Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.9	50.9
71	40.9	31.9	47.9

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM



#30

Chloroform

Concen: 20.698 ug/l

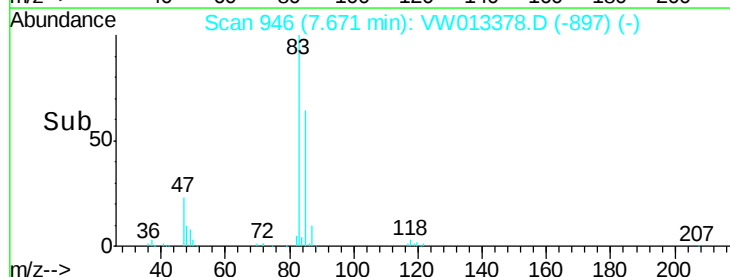
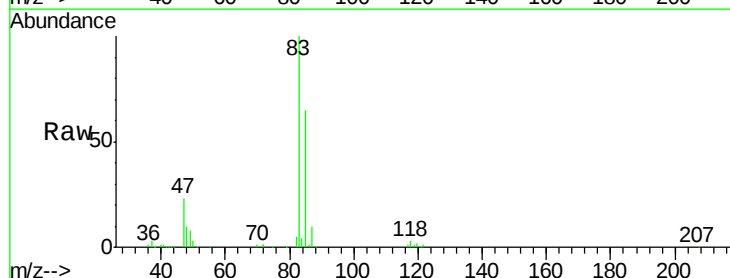
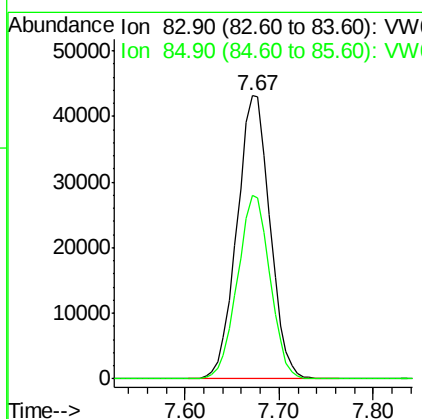
RT: 7.67 min Scan# 946

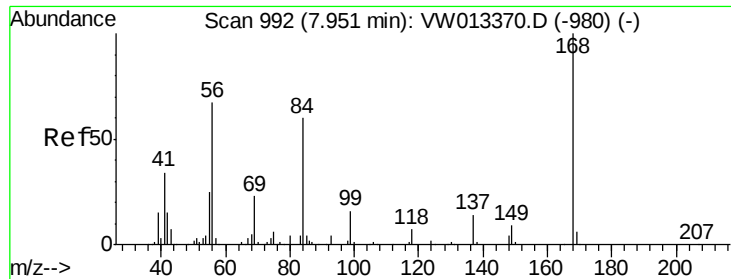
Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion:	83	Resp:	105239
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.3	78.5





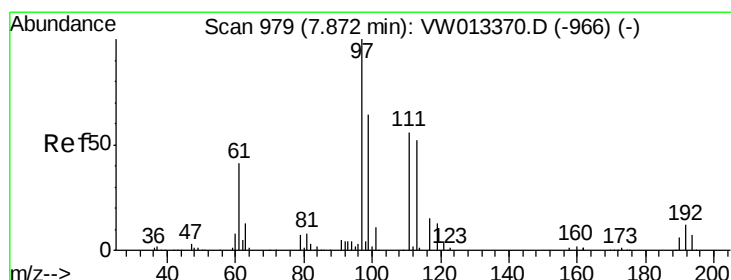
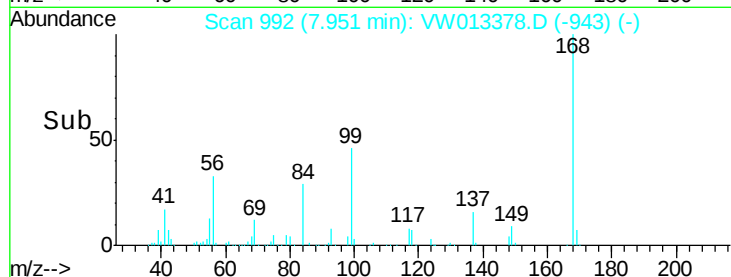
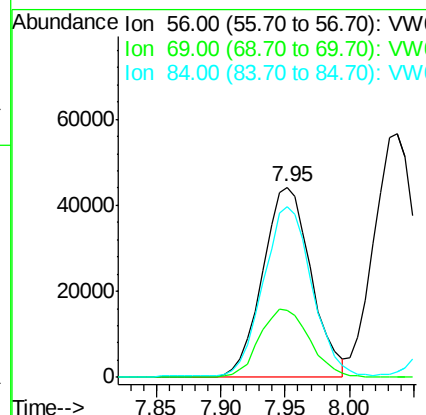
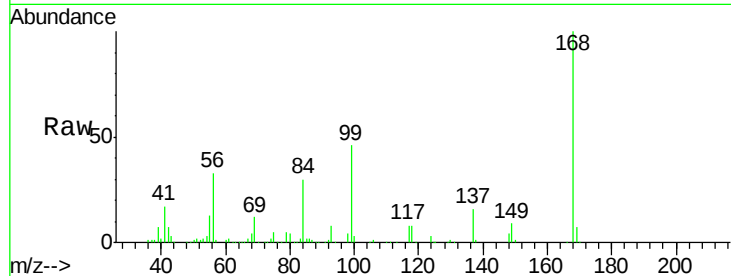
#31
Cyclohexane
Concen: 20.889 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	115513		
69	35.6		27.2	40.8
84	88.8		70.8	106.2

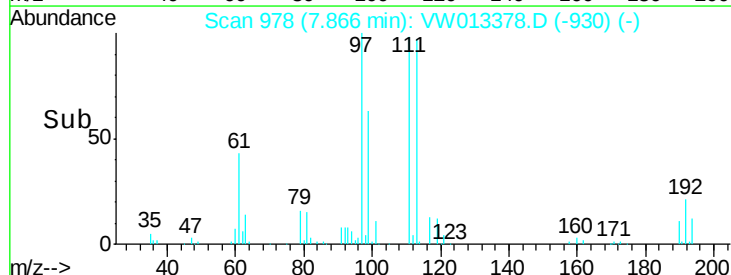
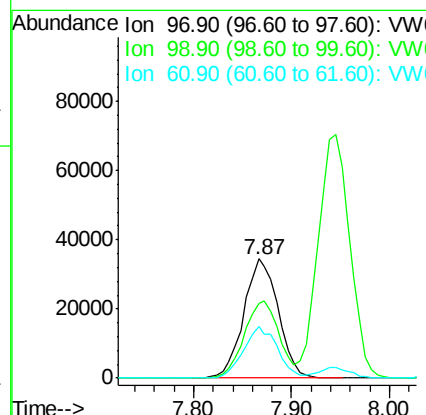
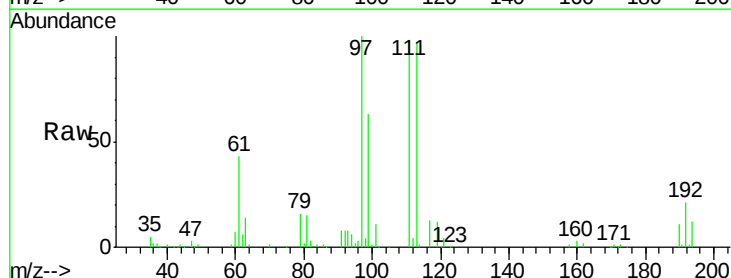
Manual Integrations
APPROVED

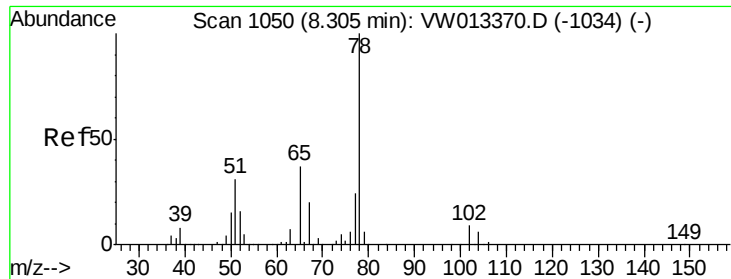
MMDadoda
10/4/2019 12:11:34 PM



#32
1,1,1-Trichloroethane
Concen: 21.224 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	84542		
99	65.1		51.7	77.5
61	42.6		34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 56.067 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD01

Tot Ion: 65 Resp: 13518

Ion Ratio Lower Upper

65 100

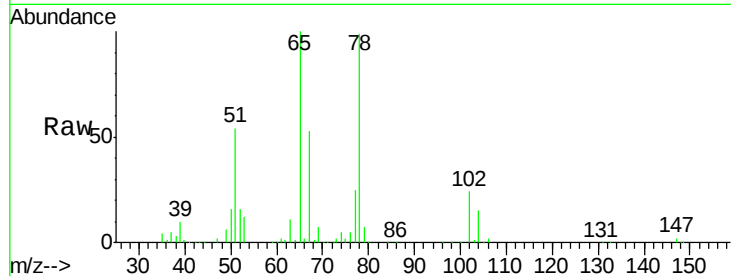
67 53.7 0.0 106.2

Manual Integrations

APPROVED

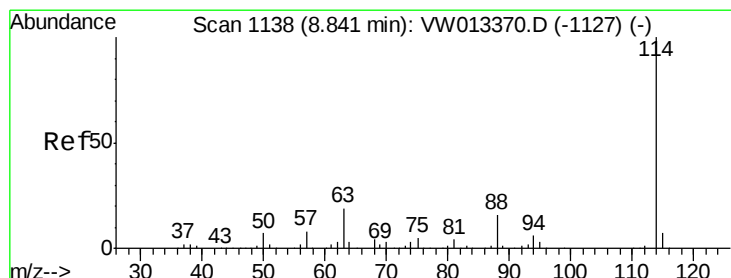
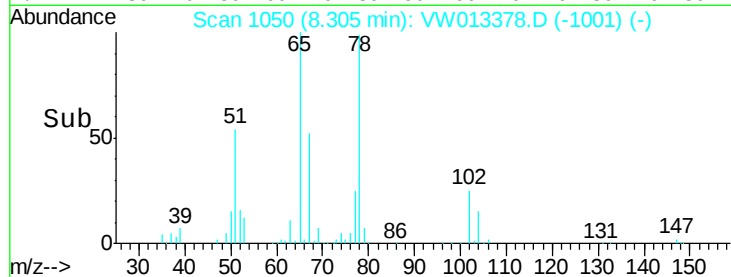
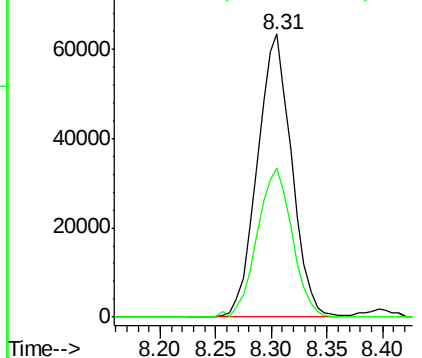
MMDadoda

10/4/2019 12:11:34 PM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

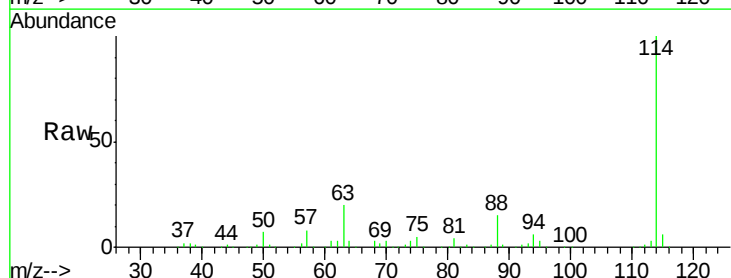
Tgt Ion: 114 Resp: 460970

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

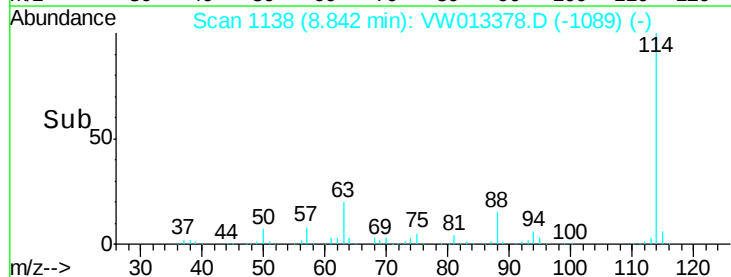
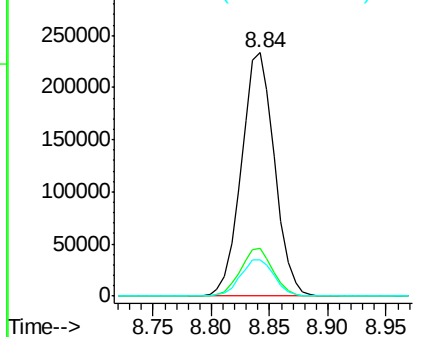
88 14.8 0.0 32.0

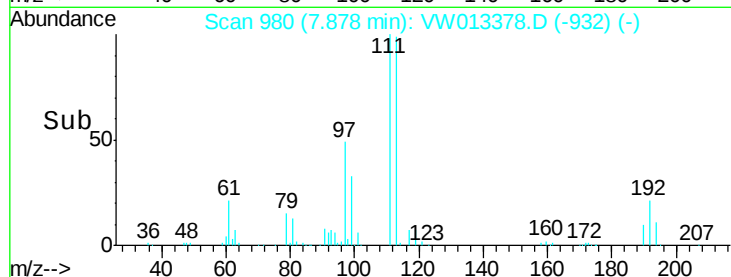
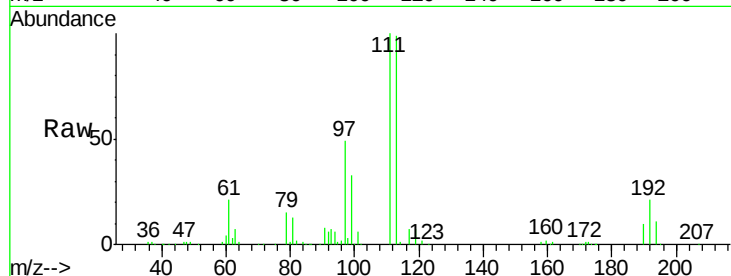
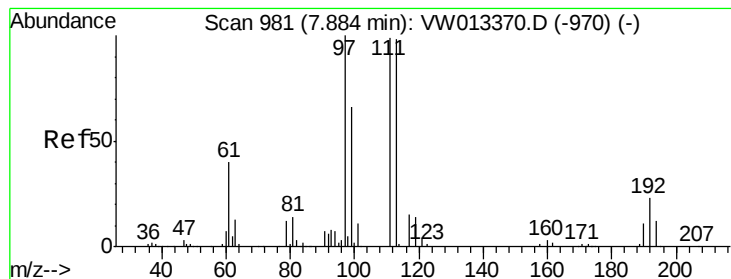


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 55.537 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013378.D

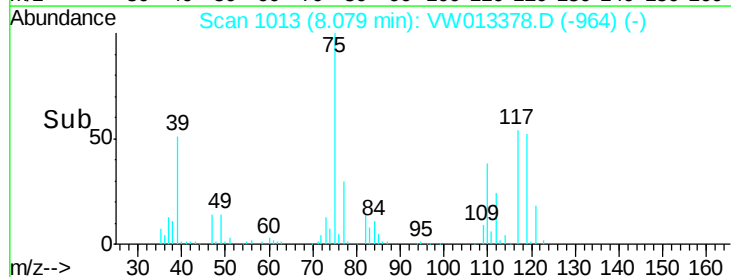
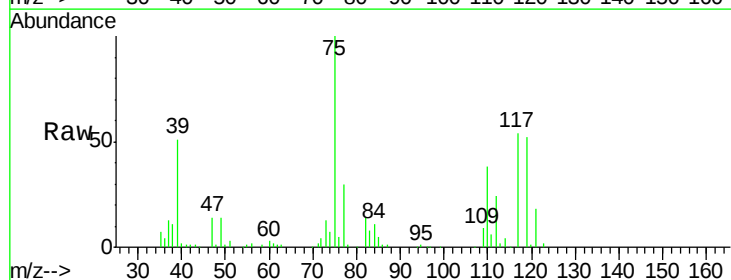
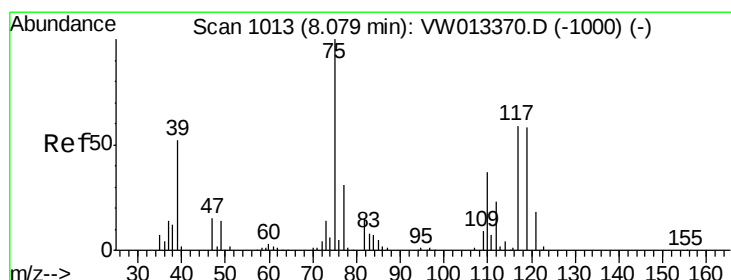
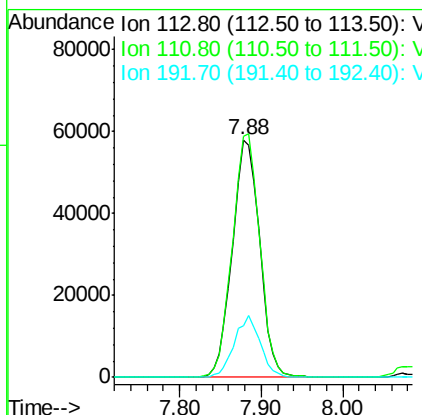
Acq: 02 Oct 2019 15:11

Tot Ion:	113	Resp:	134333
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.9	122.9
192	24.5	19.1	28.7

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM



#36

1,1-Dichloropropene

Concen: 21.206 ug/l

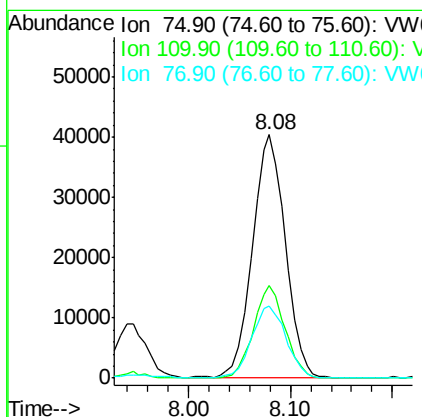
RT: 8.08 min Scan# 1013

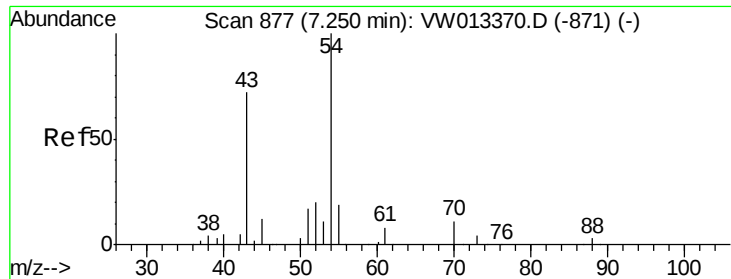
Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion:	75	Resp:	90793
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.3
77	31.2	25.8	38.6





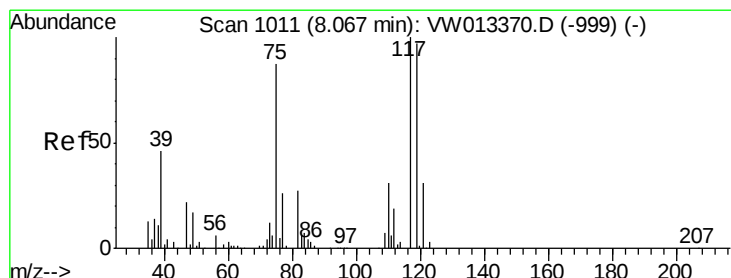
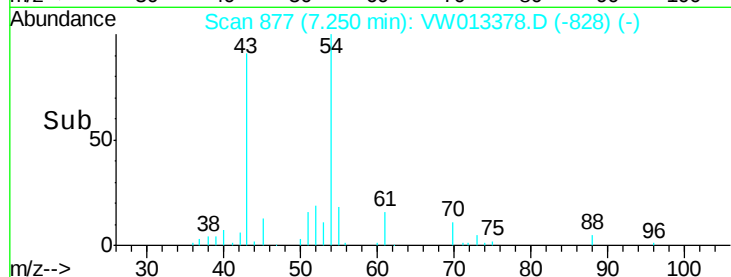
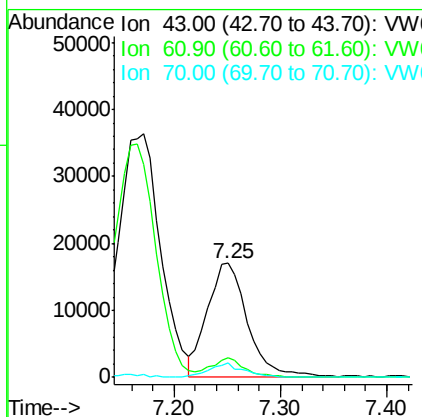
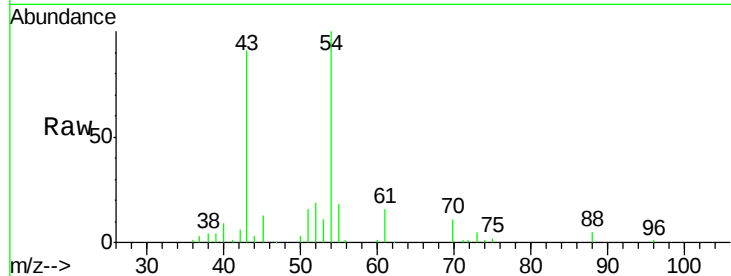
#37
Ethyl Acetate
Concen: 23.411 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	10.5	8.2	12.2

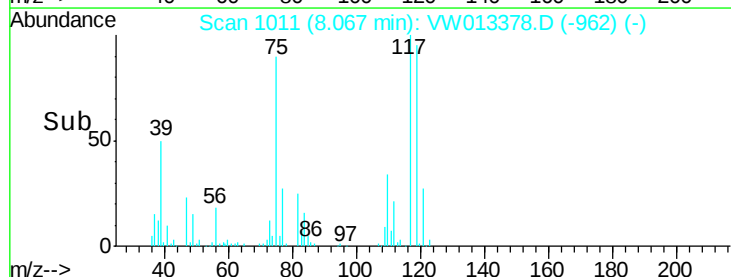
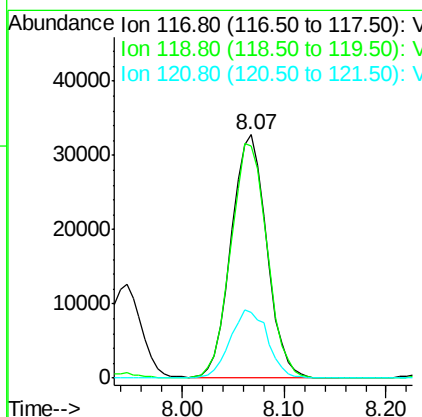
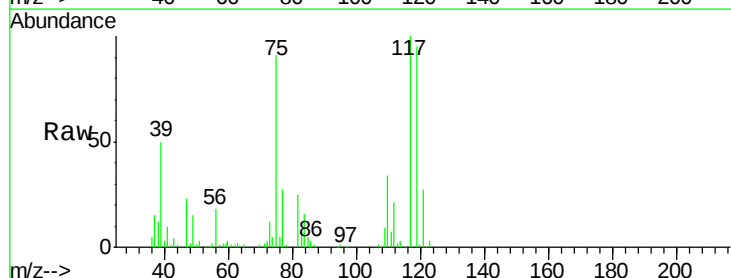
Manual Integrations
APPROVED

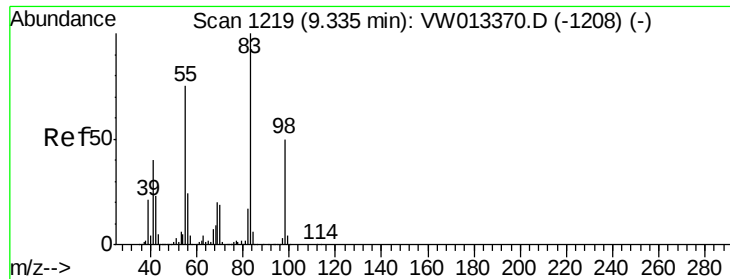
MMDadoda
10/4/2019 12:11:34 PM



#38
Carbon Tetrachloride
Concen: 21.417 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.5	110.3
121	27.0	25.0	37.6





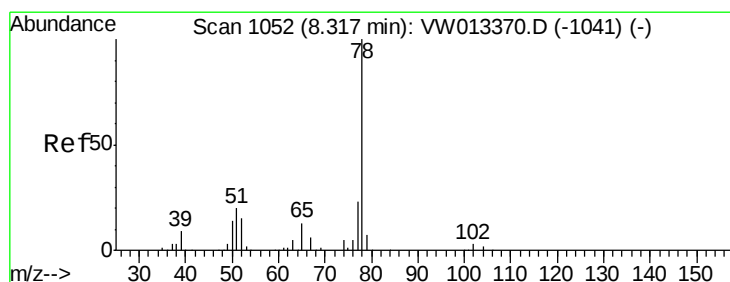
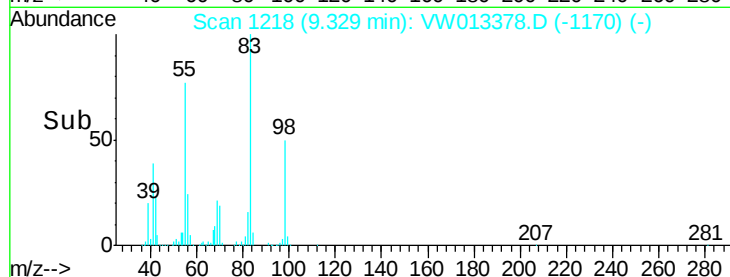
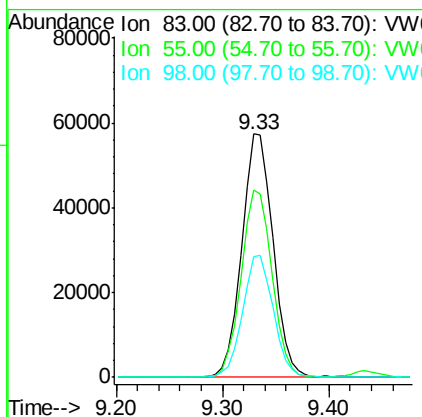
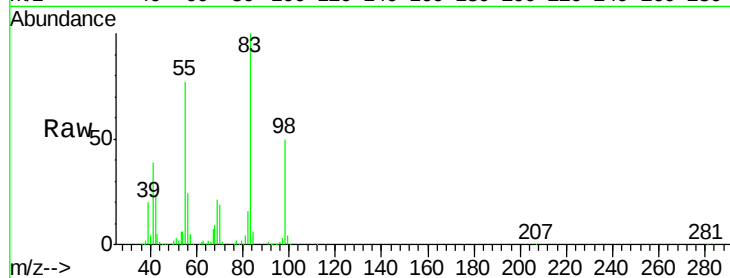
#39
Methvlcvclohexane
Concen: 21.013 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.4	90.6
98	49.5	40.0	60.0

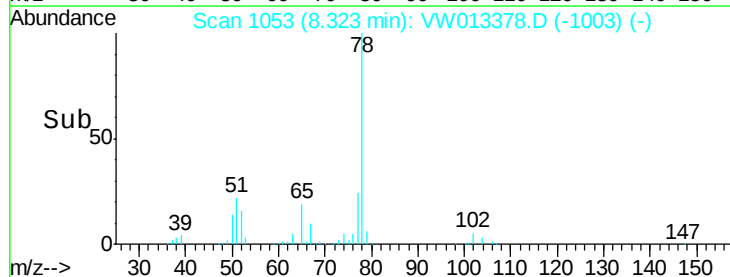
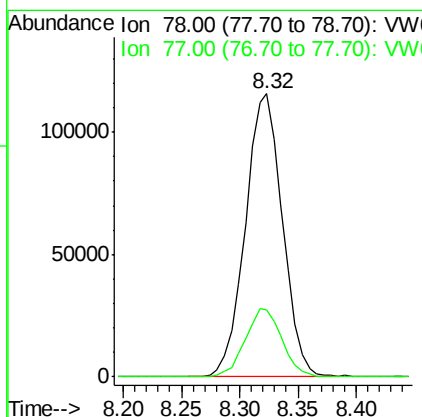
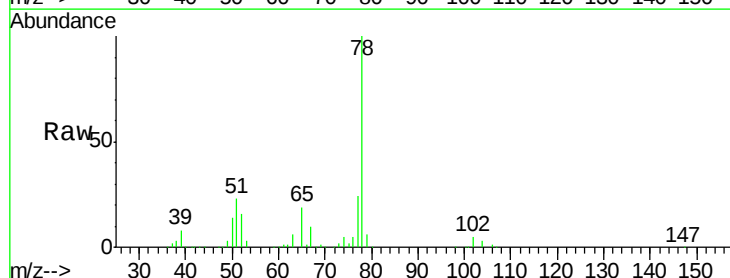
Manual Integrations
APPROVED

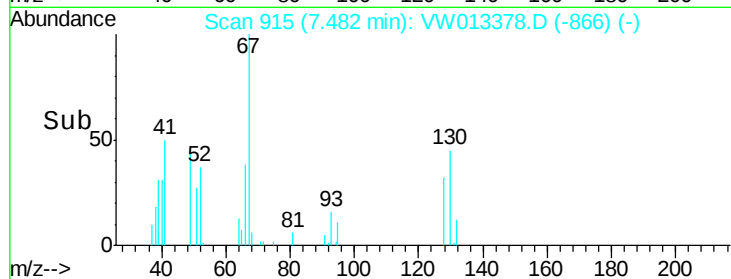
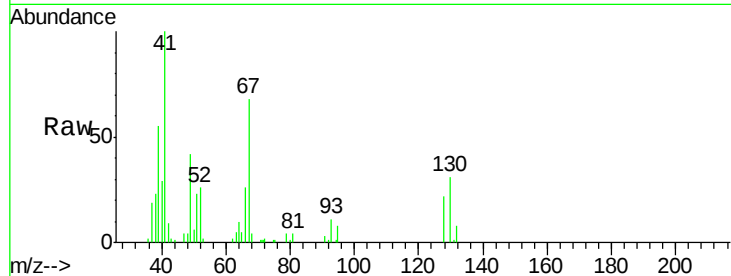
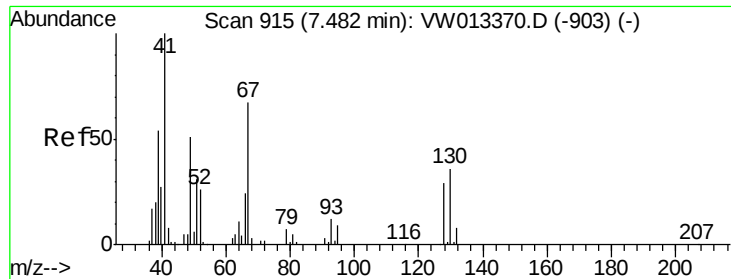
MMDadoda
10/4/2019 12:11:34 PM



#40
Benzene
Concen: 21.195 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





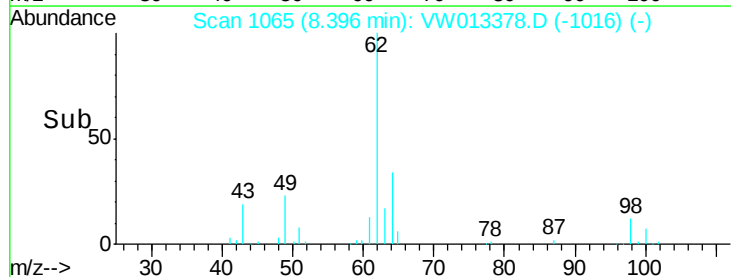
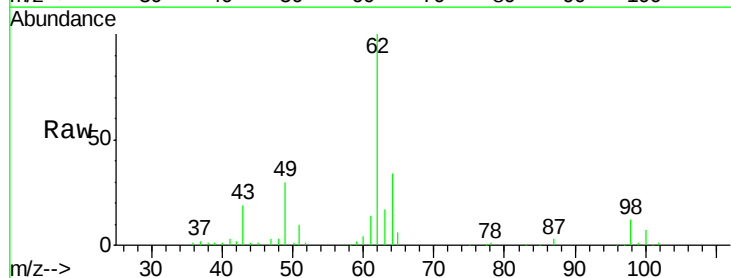
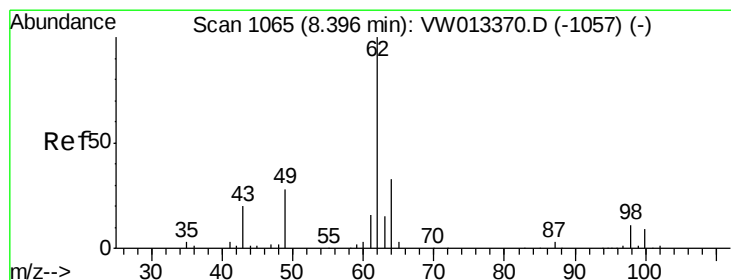
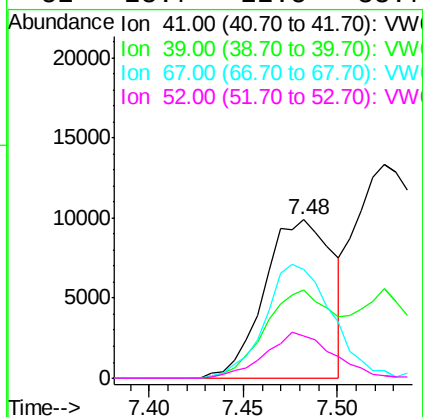
#41
Methacrylonitrile
Concen: 21.933 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tot Ion	41	Resp	24989
Ion Ratio	Lower	Upper	
41	100		
39	53.9	45.9	68.9
67	70.5	54.5	81.7
52	28.7	22.5	33.7

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

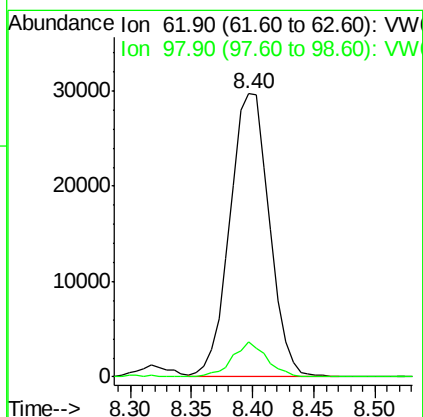
Manual Integrations
APPROVED

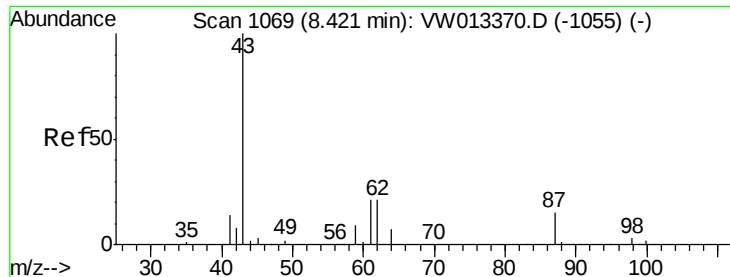
MMDadoda
10/4/2019 12:11:34 PM



#42
1,2-Dichloroethane
Concen: 21.381 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	62	Resp	66602
Ion Ratio	Lower	Upper	
62	100		
98	10.6	0.0	20.6





#43

Isopropyl Acetate

Concen: 21.743 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

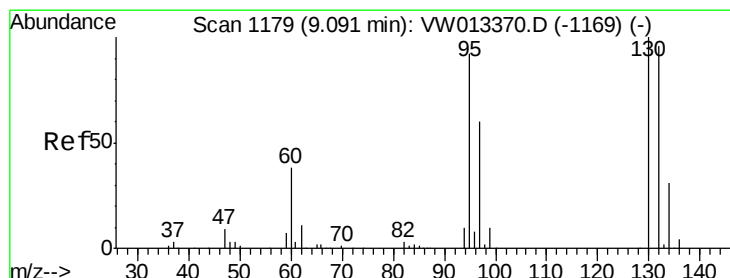
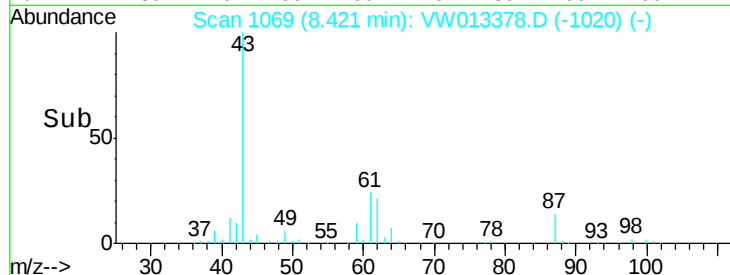
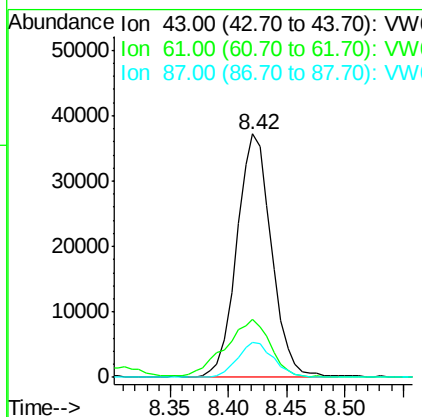
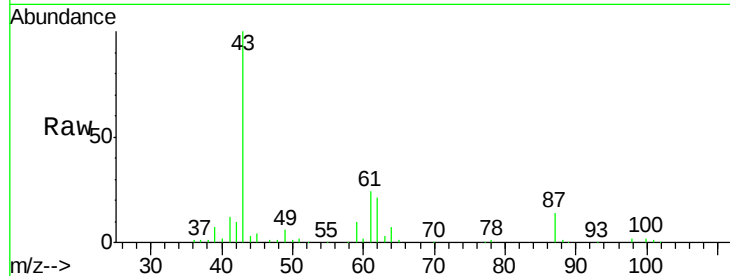
ClientSampleId :

VW1002SBS01

Tot Ion:	43	Resp:	77326
Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.5	38.3
87	14.8	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM



#44

Trichloroethene

Concen: 20.759 ug/l

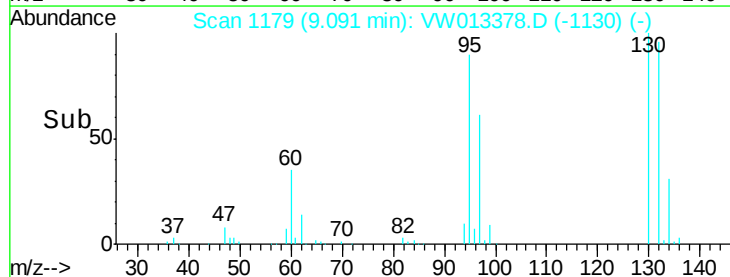
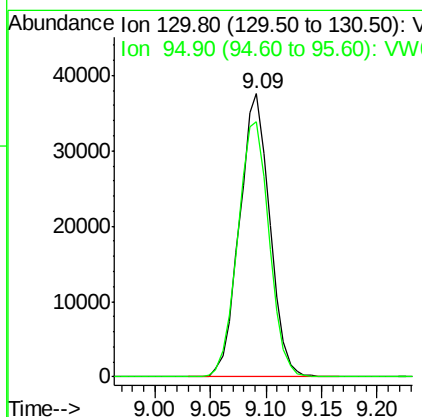
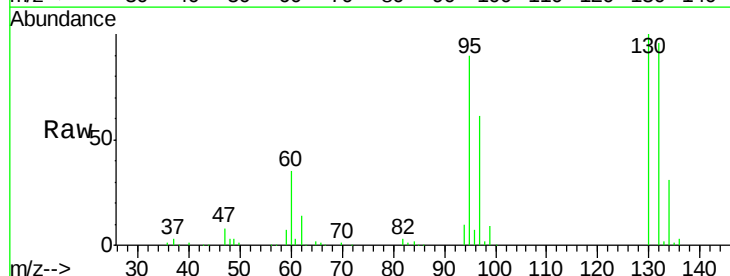
RT: 9.09 min Scan# 1179

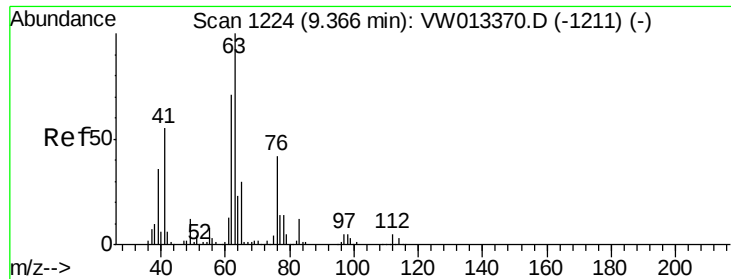
Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion:	130	Resp:	70850
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	188.0





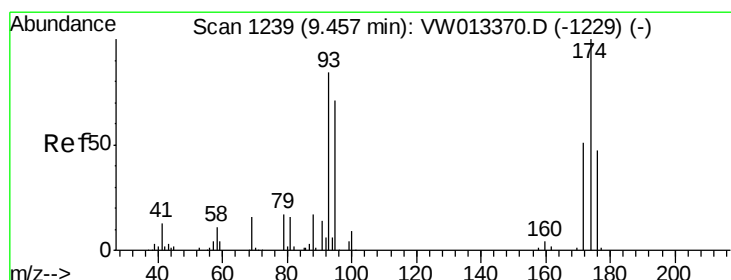
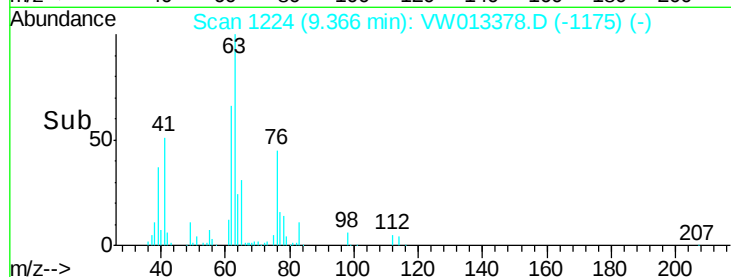
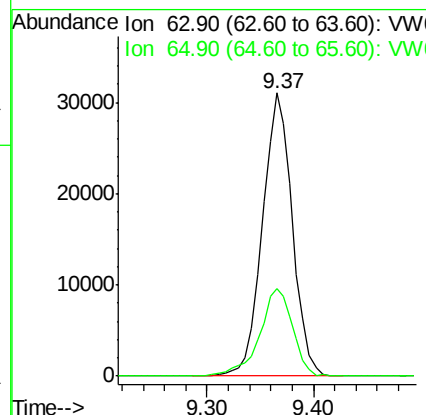
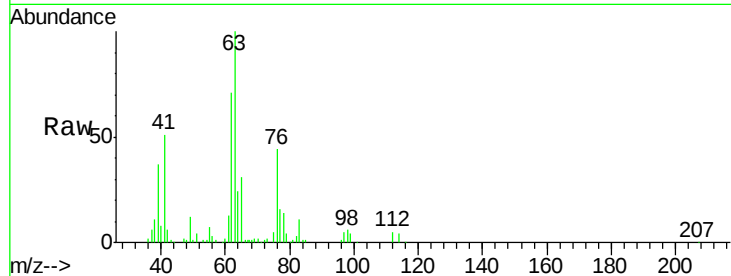
#45
 1,2-Dichloropropane
 Concen: 20.890 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.3	37.9

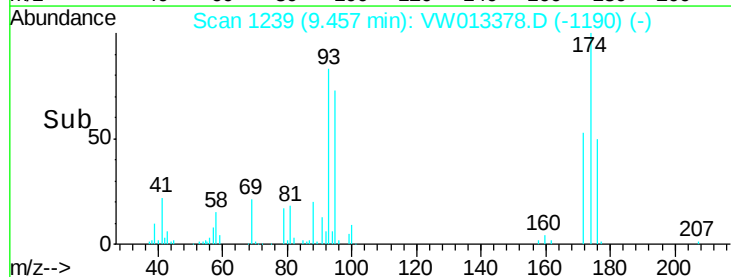
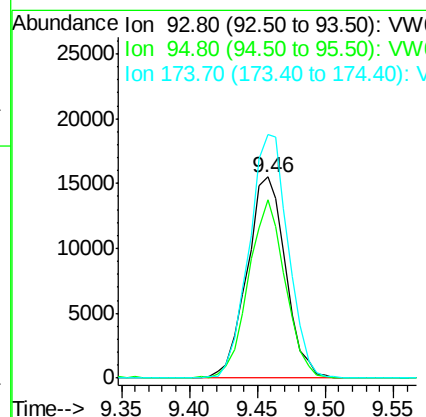
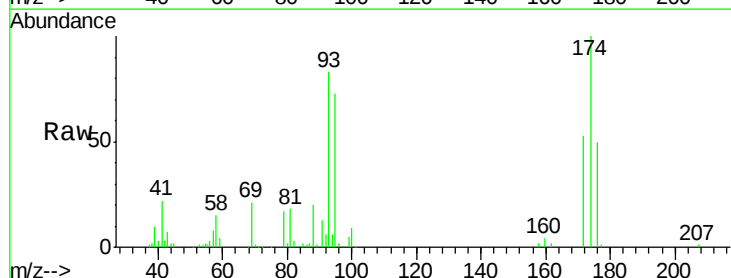
Manual Integrations
 APPROVED

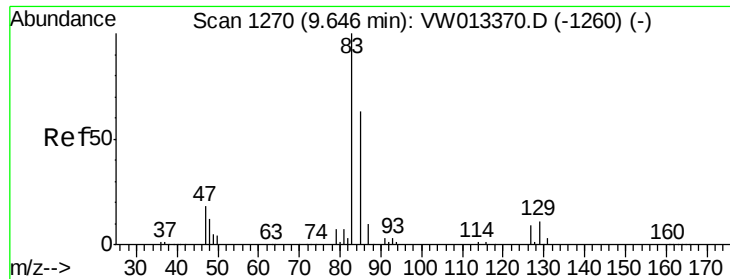
MMDadoda
 10/4/2019 12:11:34 PM



#46
 Dibromomethane
 Concen: 21.229 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	66.4	99.6
174	122.9	93.0	139.6





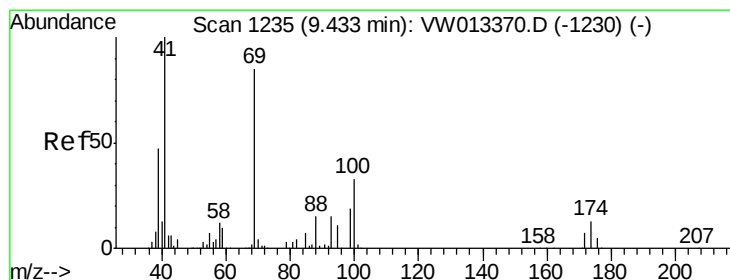
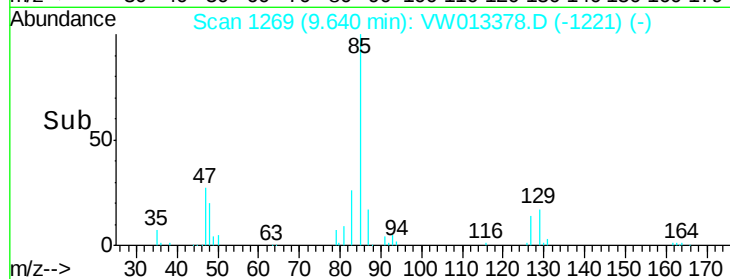
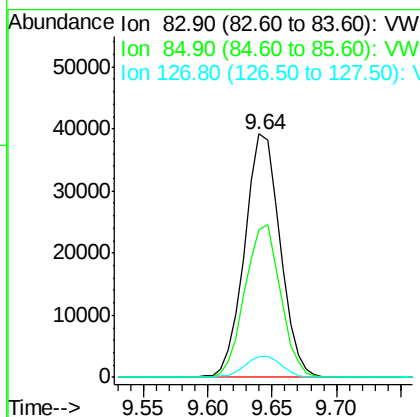
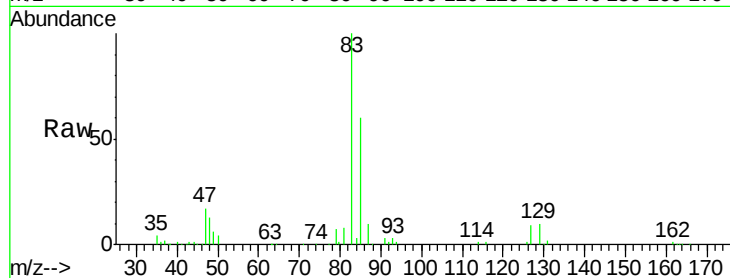
#47
Bromodichloromethane
Concen: 20.887 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	83	Resp	74530
Ion Ratio	100	Lower	Upper
83	100		
85	60.5	49.4	74.2
127	8.6	6.5	9.7

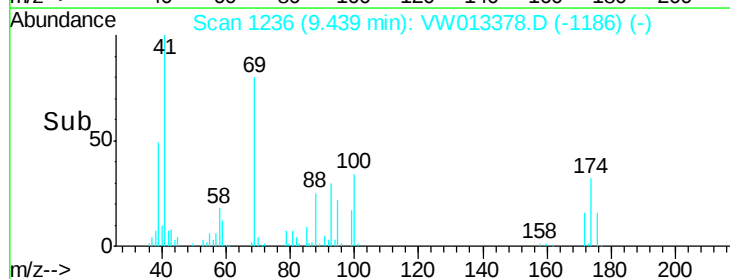
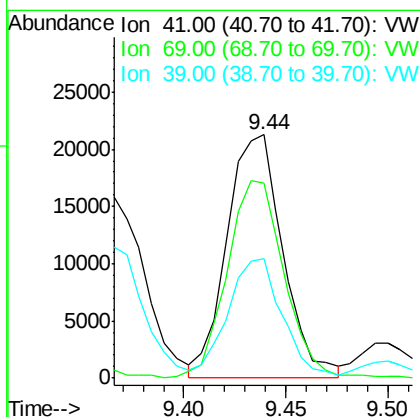
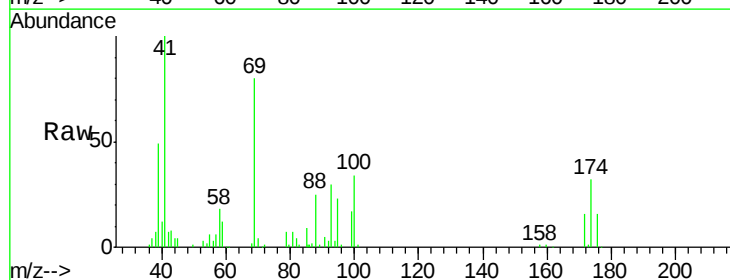
Manual Integrations
APPROVED

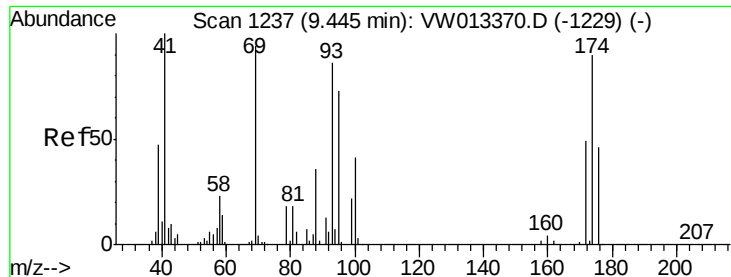
MMDadoda
10/4/2019 12:11:34 PM



#48
Methyl methacrylate
Concen: 23.648 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	41	Resp	40411
Ion Ratio	100	Lower	Upper
41	100		
69	83.1	69.7	104.5
39	45.2	41.1	61.7





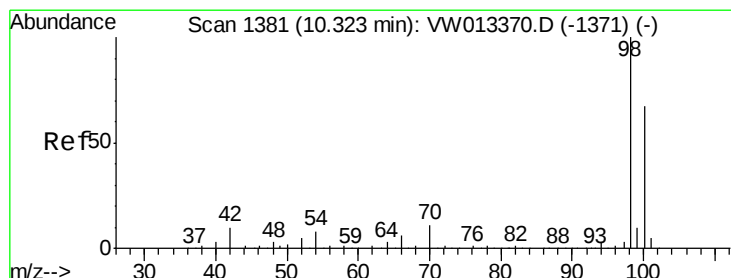
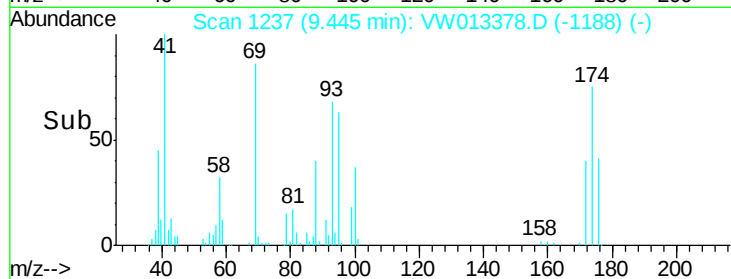
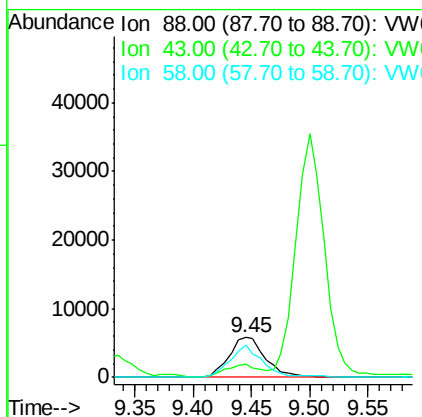
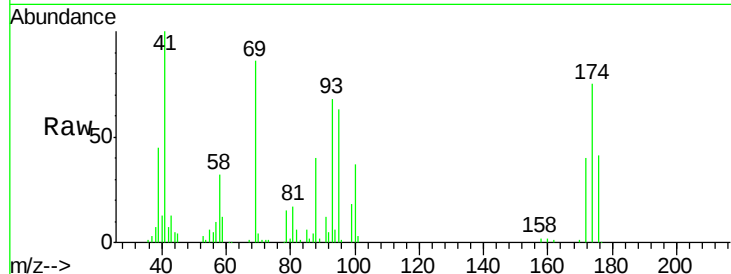
#49
1,4-Dioxane
Concen: 557.879 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion: 88 Resp: 12676
Ion Ratio Lower Upper
88 100
43 27.6 0.0 0.0#
58 69.3 65.4 98.0

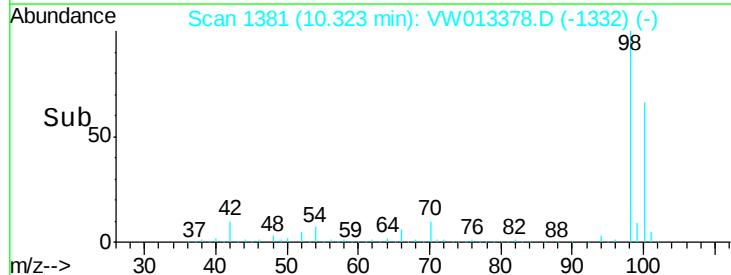
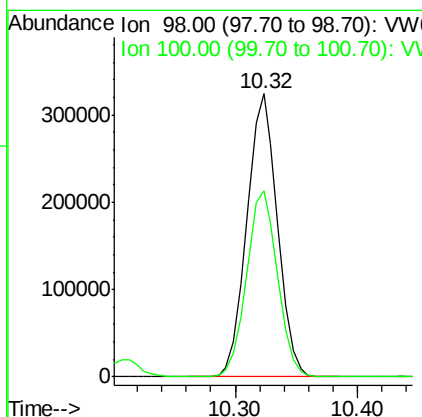
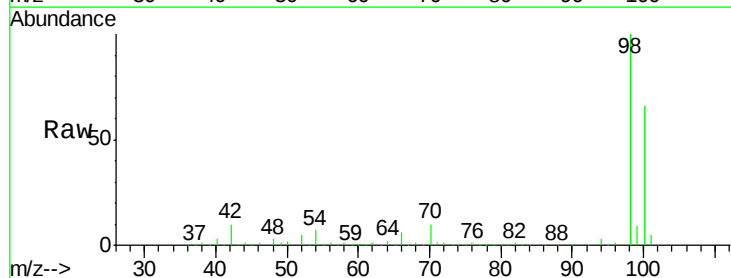
Manual Integrations
APPROVED

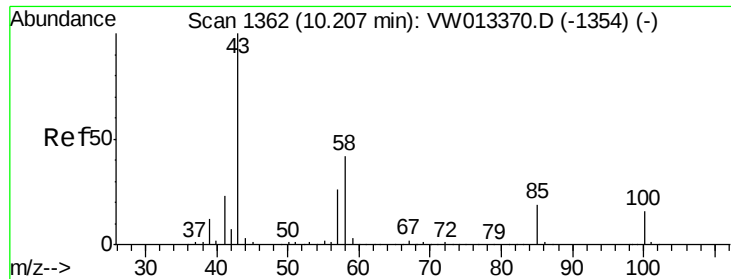
MMDadoda
10/4/2019 12:11:34 PM



#50
Toluene-d8
Concen: 56.028 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 98 Resp: 562391
Ion Ratio Lower Upper
98 100
100 66.5 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 111.305 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 43 Resp: 207977

Ion Ratio Lower Upper

43 100

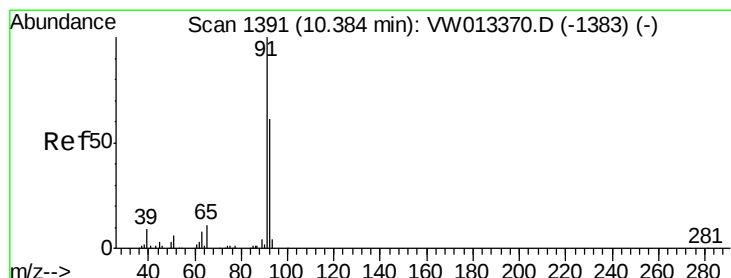
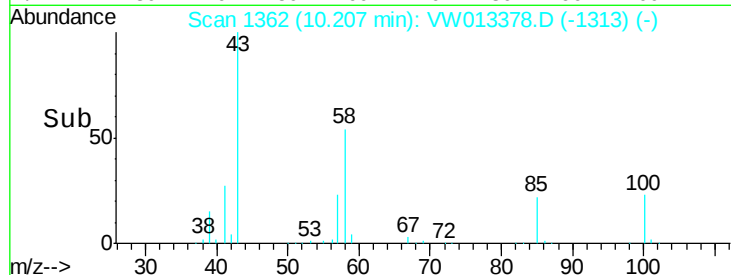
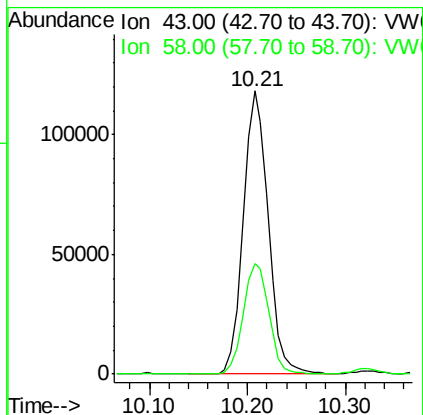
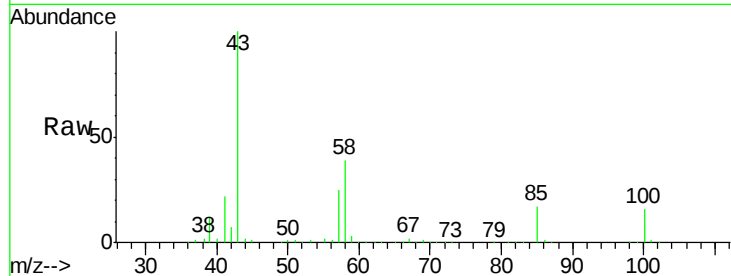
58 40.3 31.7 47.5

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:11:34 PM



#52

Toluene

Concen: 21.310 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013378.D

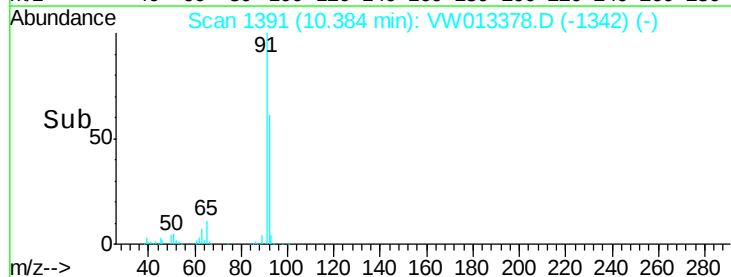
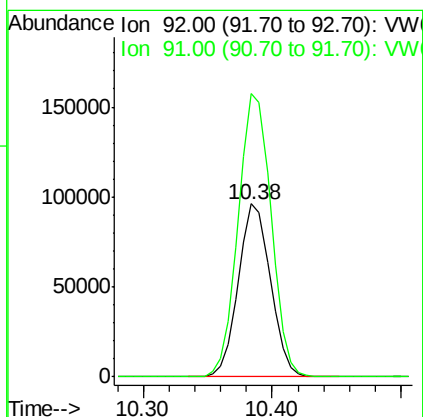
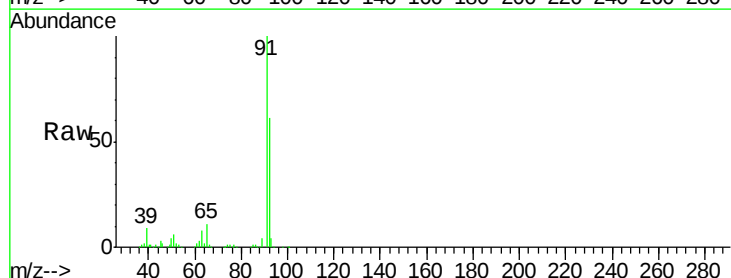
Acq: 02 Oct 2019 15:11

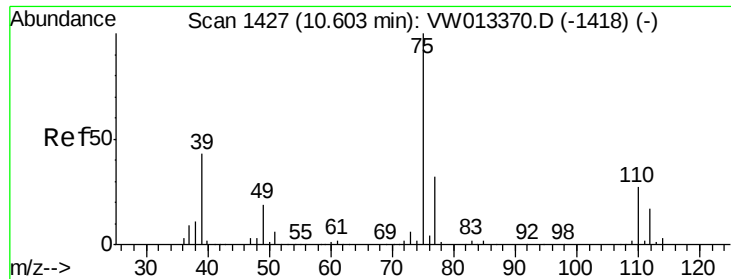
Tgt Ion: 92 Resp: 166588

Ion Ratio Lower Upper

92 100

91 167.5 135.7 203.5





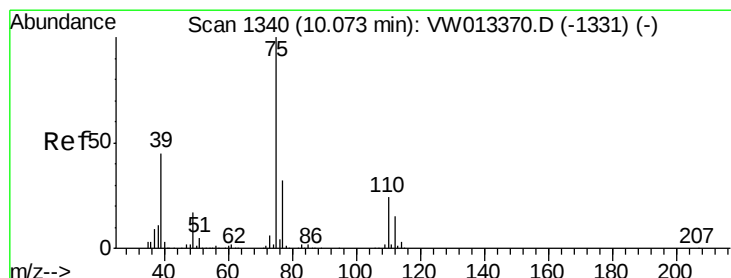
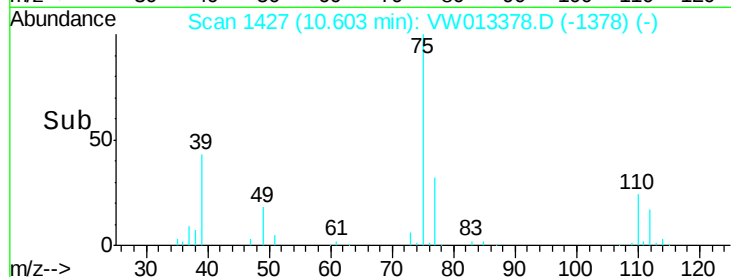
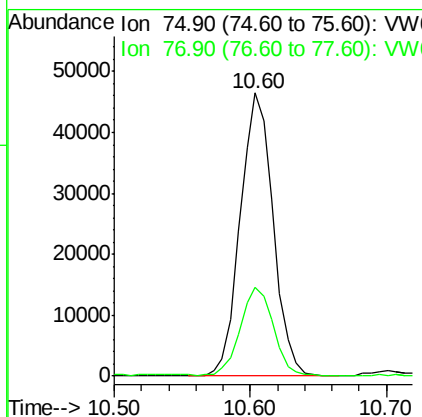
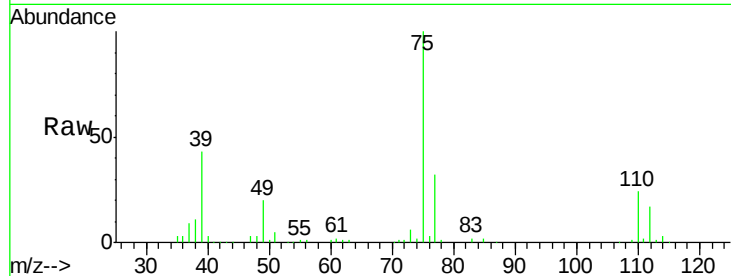
#53
t-1,3-Dichloropropene
Concen: 21.173 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

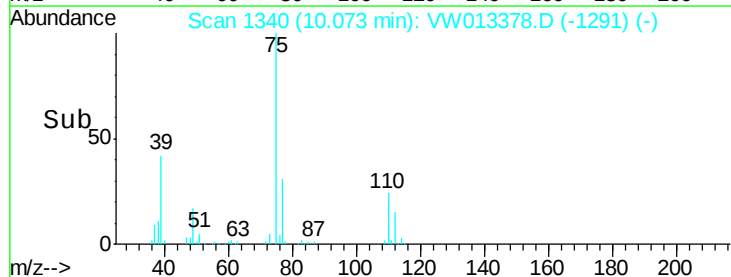
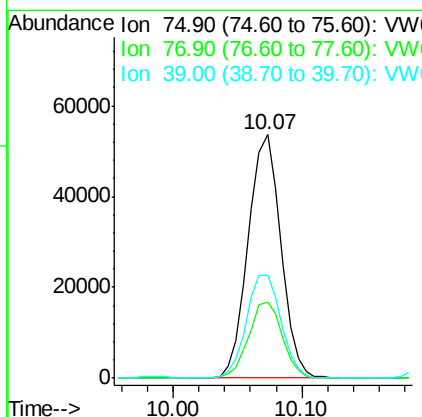
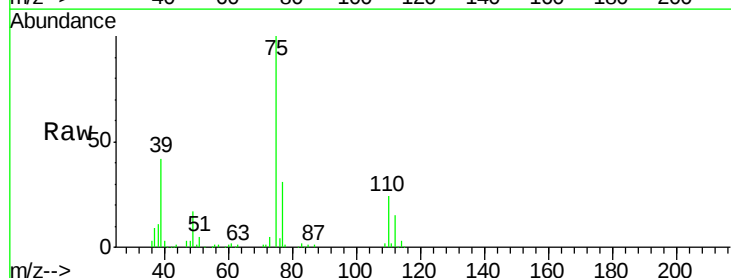
Manual Integrations
APPROVED

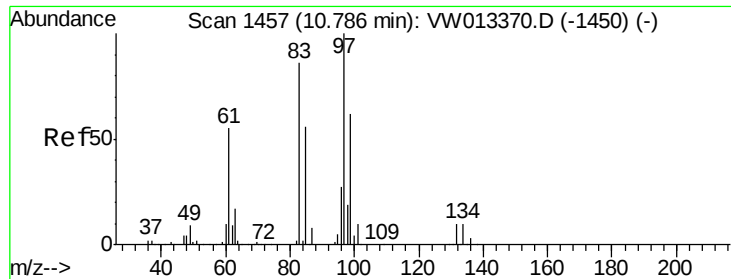
MMDadoda
10/4/2019 12:11:34 PM



#54
cis-1,3-Dichloropropene
Concen: 20.908 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	42.1	36.6	55.0





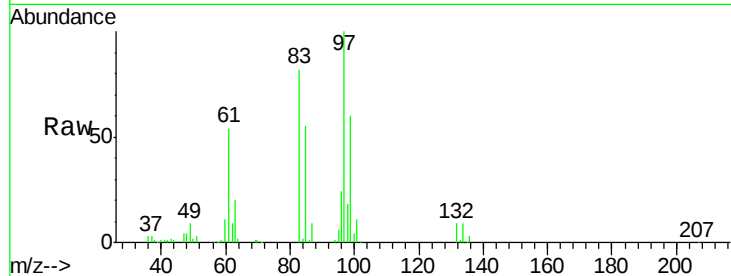
#55
 1,1,2-Trichloroethane
 Concen: 21.683 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD01

Tot Ion:	97	Resp:	46884
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.6	101.4
85	54.9	41.9	62.9
99	59.5	50.1	75.1

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:11:34 PM



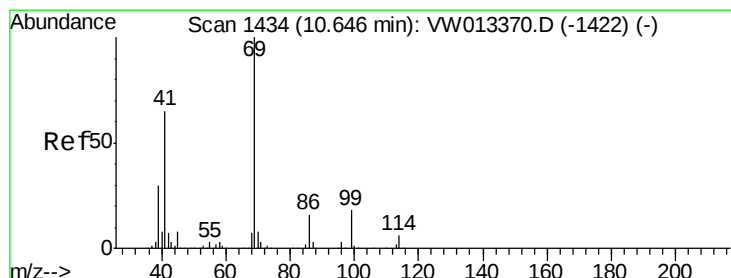
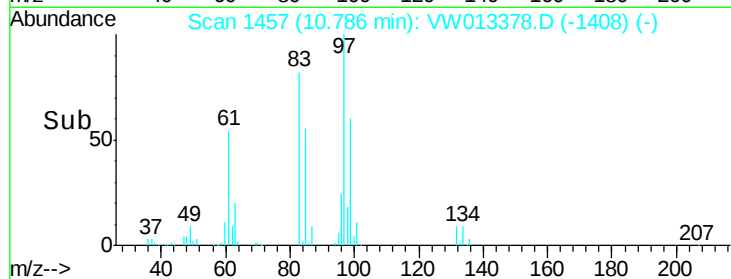
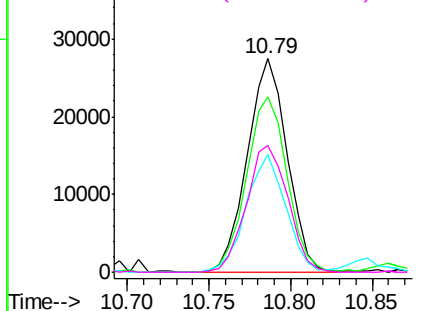
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.611 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

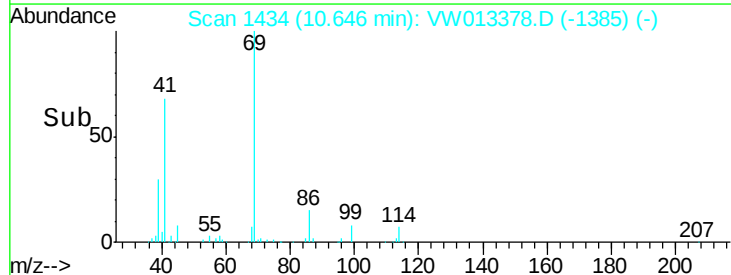
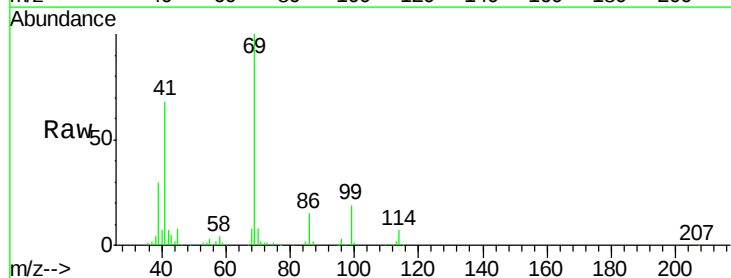
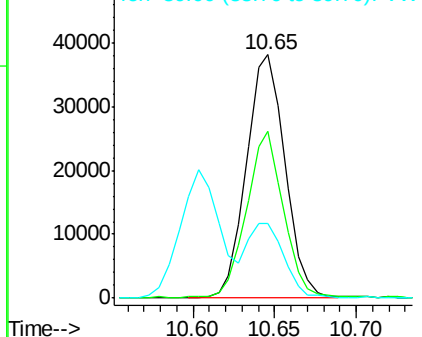
Tgt Ion:	69	Resp:	62896
Ion	Ratio	Lower	Upper
69	100		
41	64.5	53.9	80.9
39	28.9	23.8	35.6

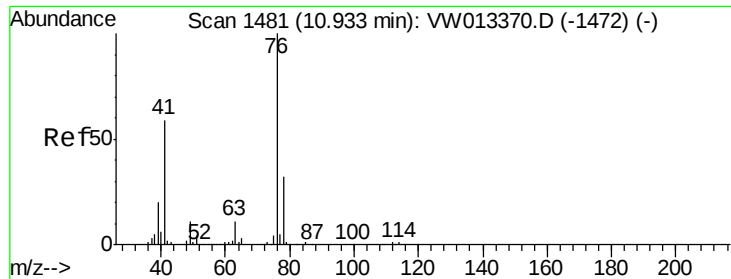
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





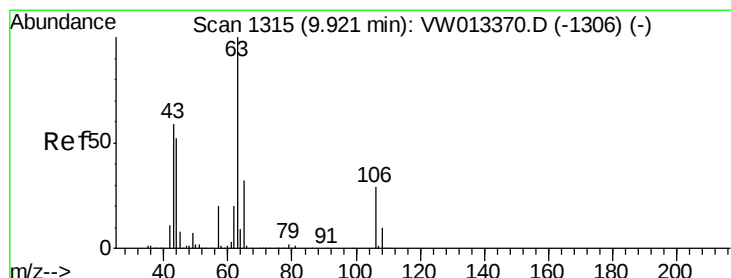
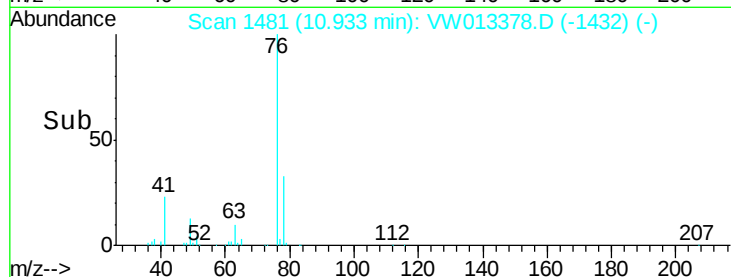
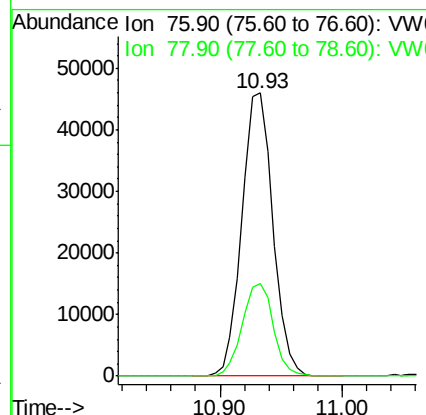
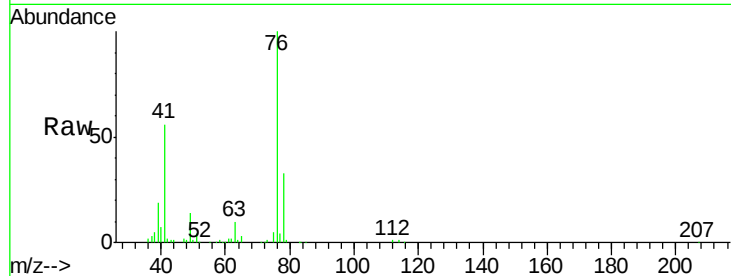
#57
 1,3-Dichloropropane
 Concen: 21.500 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion: 76 Resp: 80817
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.5 38.3

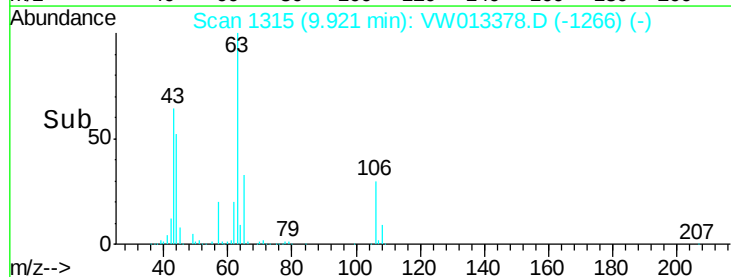
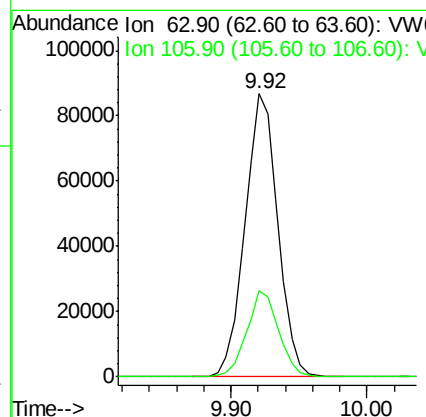
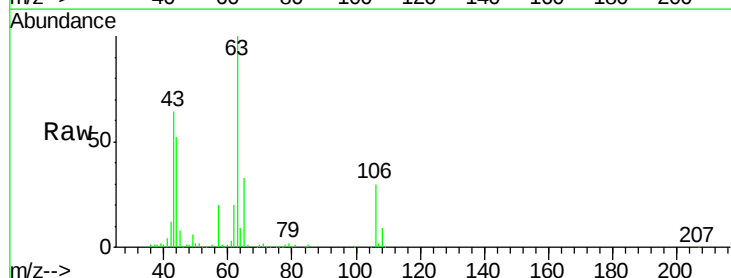
Manual Integrations
 APPROVED

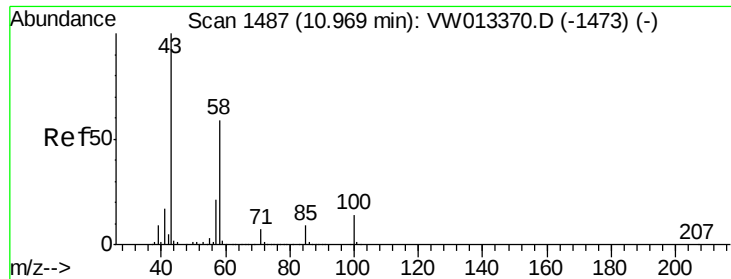
MMDadoda
 10/4/2019 12:11:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 122.087 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion: 63 Resp: 145957
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.4 35.0





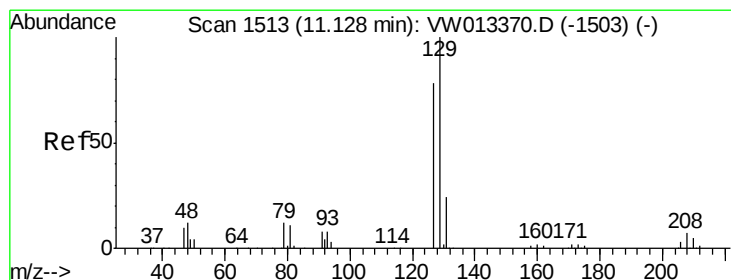
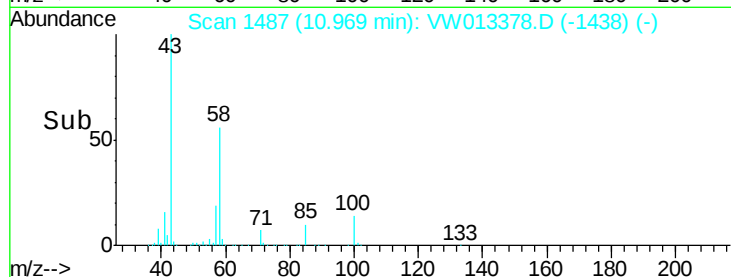
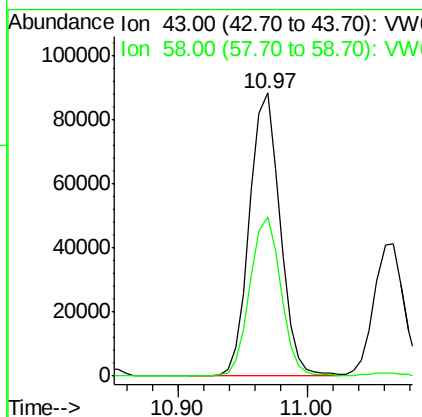
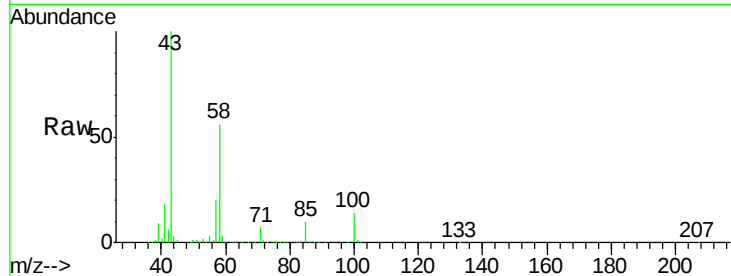
#59
2-Hexanone
Concen: 111.616 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Tot Ion: 43 Resp: 144558
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.2

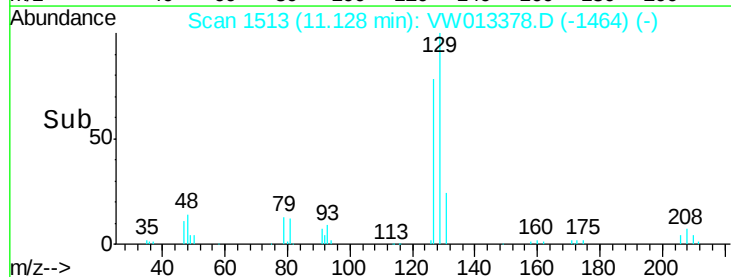
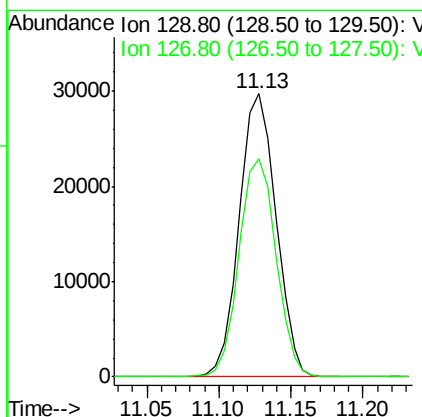
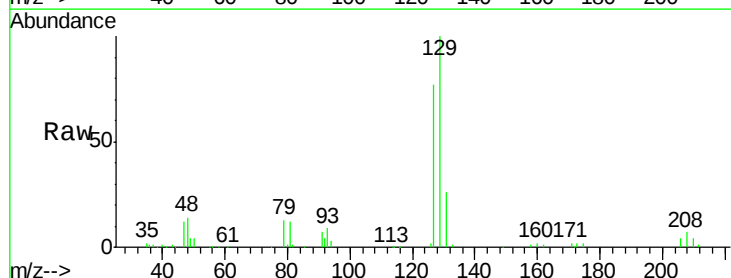
Manual Integrations
APPROVED

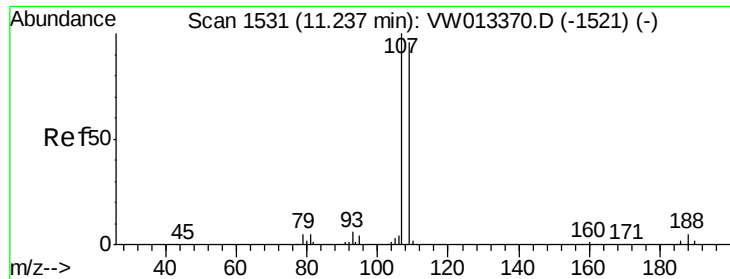
MMDadoda
10/4/2019 12:11:34 PM



#60
Dibromochloromethane
Concen: 21.356 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 129 Resp: 52828
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





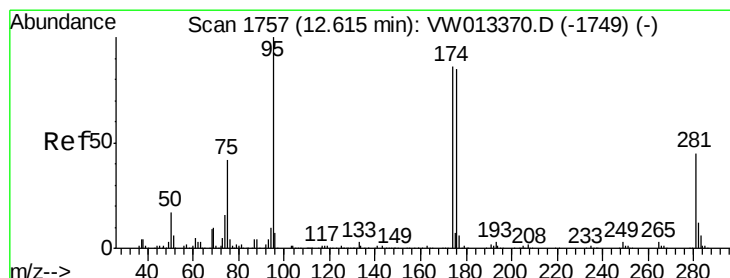
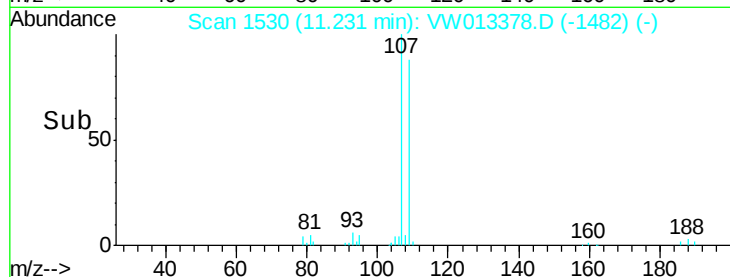
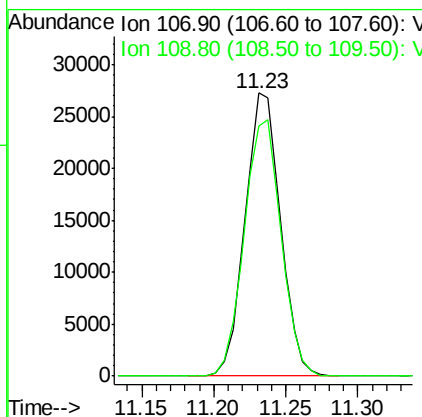
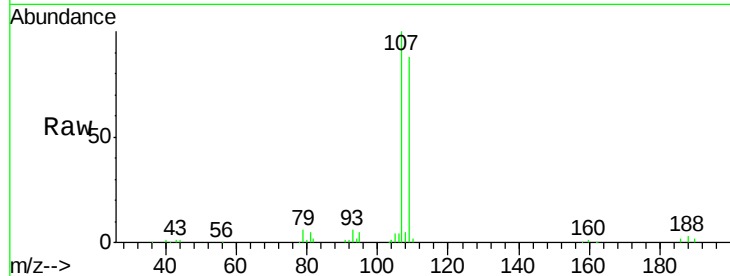
#61
 1,2-Dibromoethane
 Concen: 22.202 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

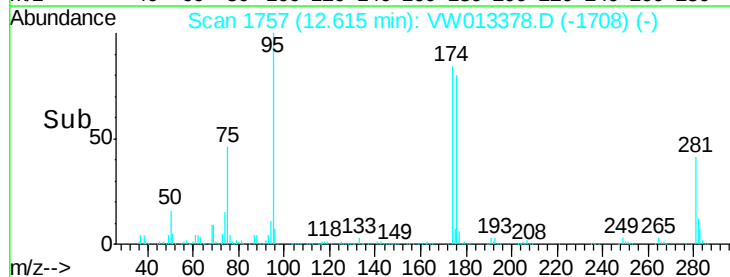
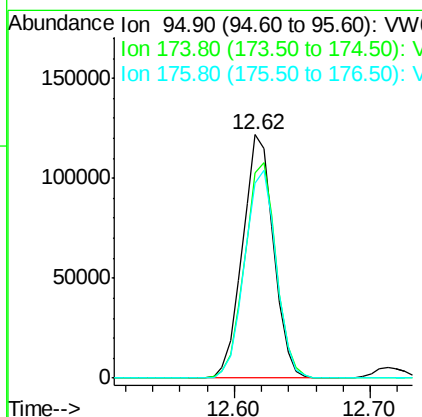
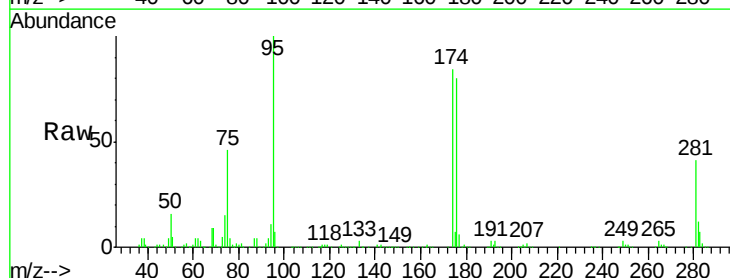
Manual Integrations
 APPROVED

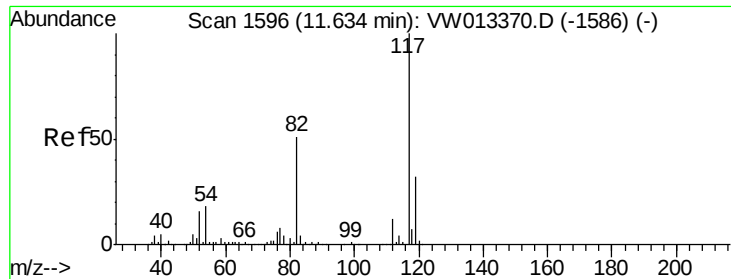
MMDadoda
 10/4/2019 12:11:34 PM



#62
 4-Bromofluorobenzene
 Concen: 57.894 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	178.4
176	87.2	0.0	172.2





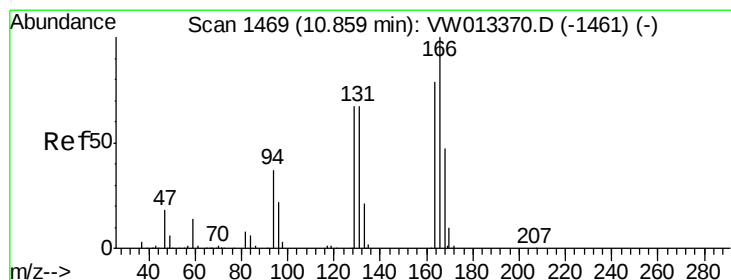
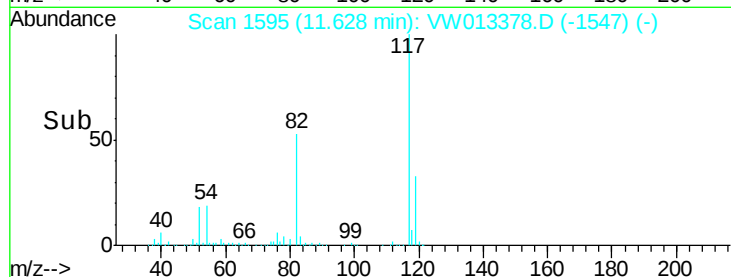
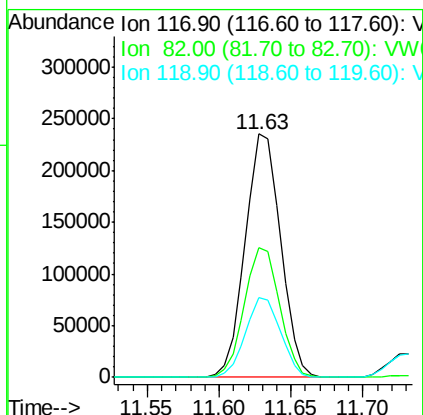
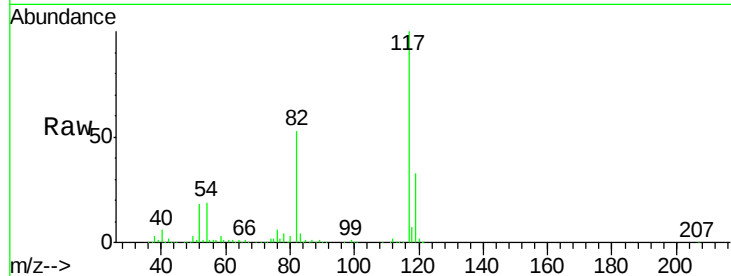
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.9	68.9
119	32.7	26.2	39.2

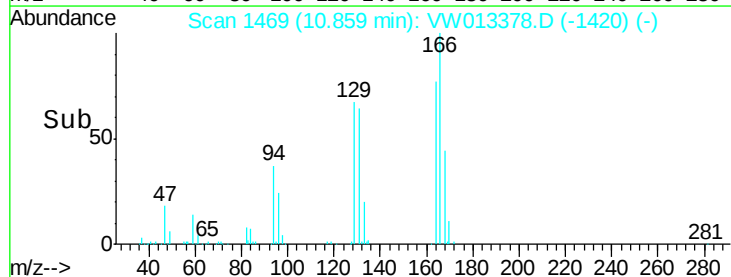
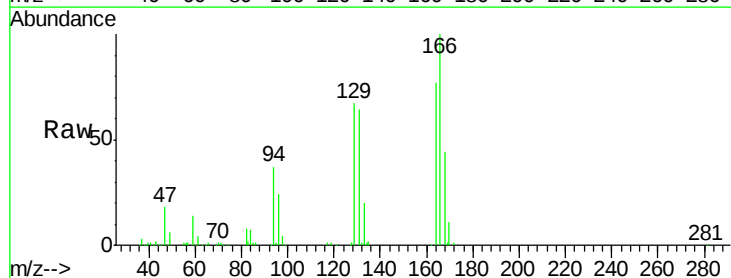
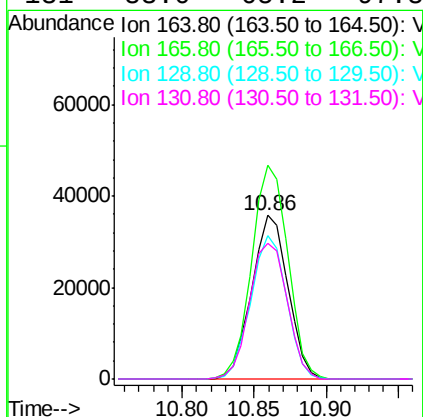
Manual Integrations
APPROVED

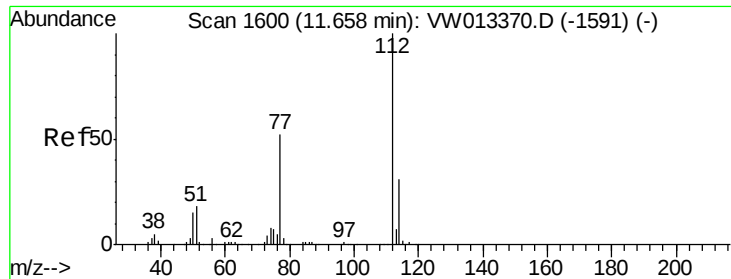
MMDadoda
10/4/2019 12:11:34 PM



#64
Tetrachloroethene
Concen: 20.312 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.2	151.8
129	87.5	68.8	103.2
131	83.0	65.2	97.8





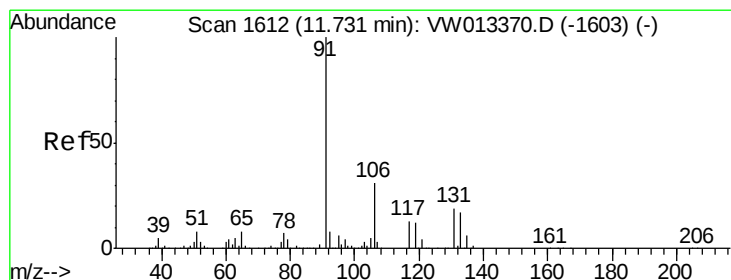
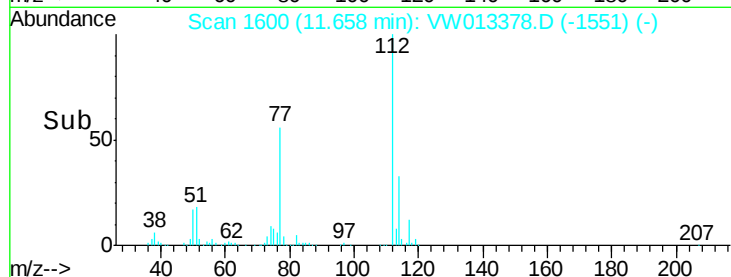
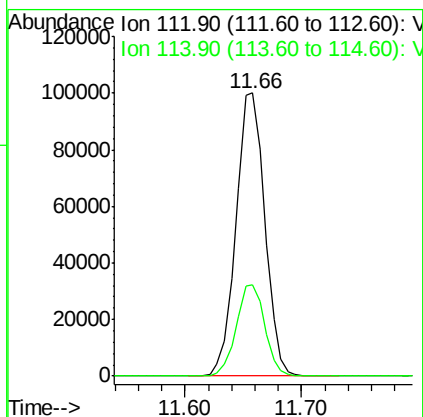
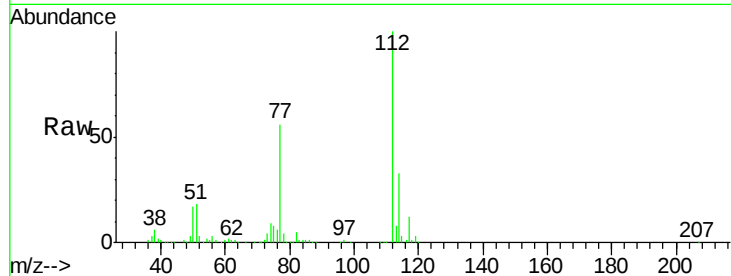
#65
Chlorobenzene
Concen: 21.032 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.5	39.7

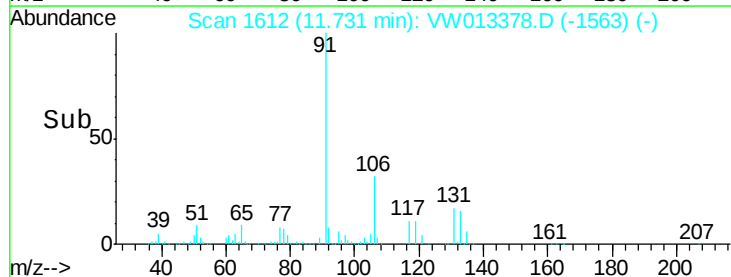
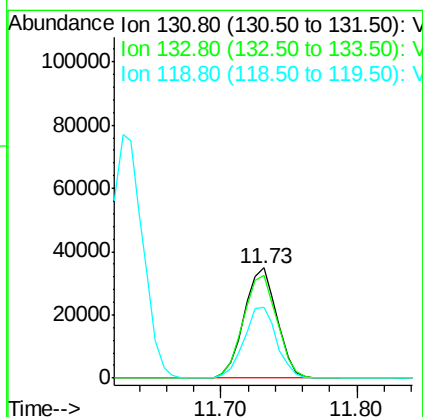
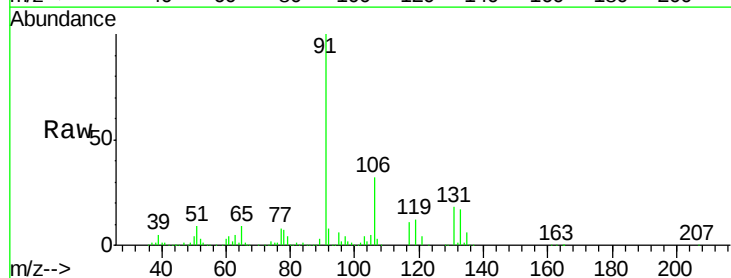
Manual Integrations
APPROVED

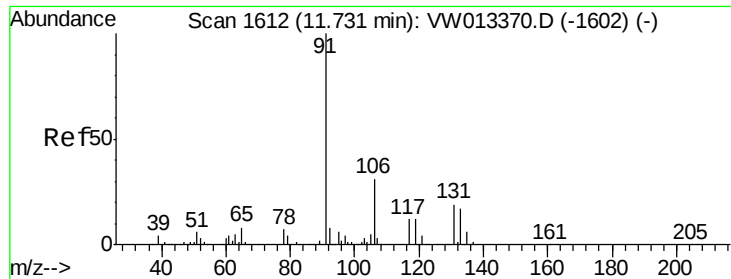
MMDadoda
10/4/2019 12:11:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.111 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.5	142.6
119	64.1	32.5	97.5





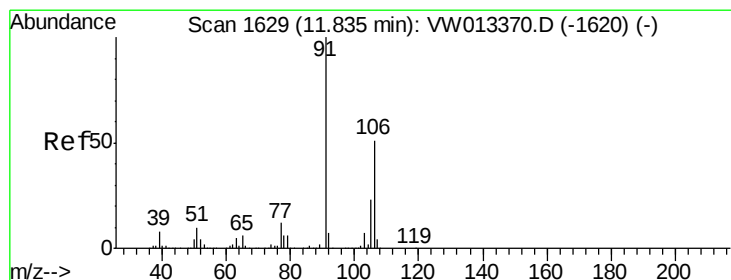
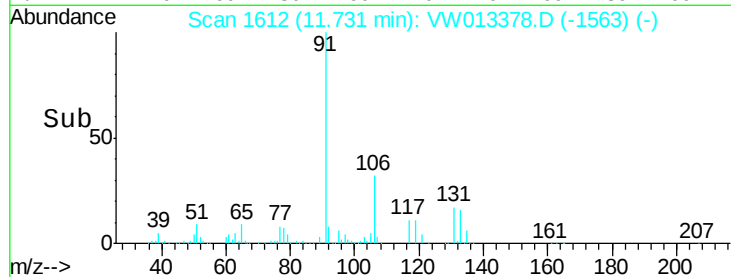
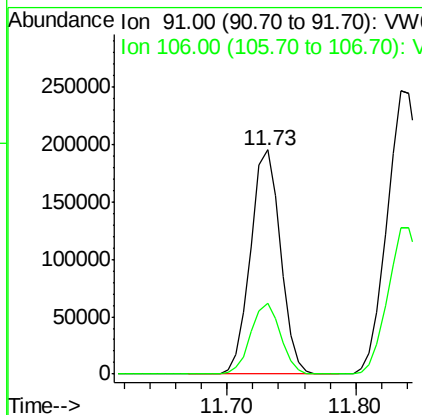
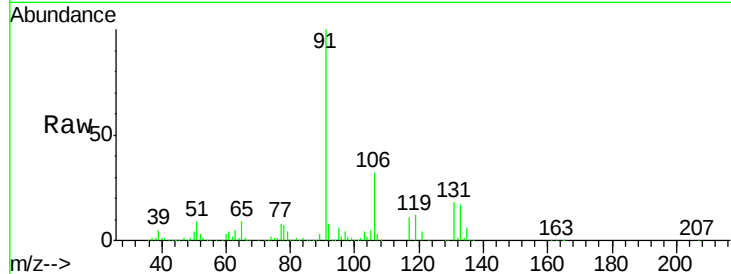
#67
Ethyl Benzene
Concen: 21.209 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion: 91 Resp: 312809
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3

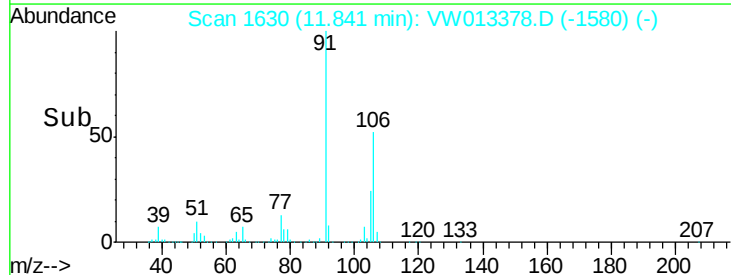
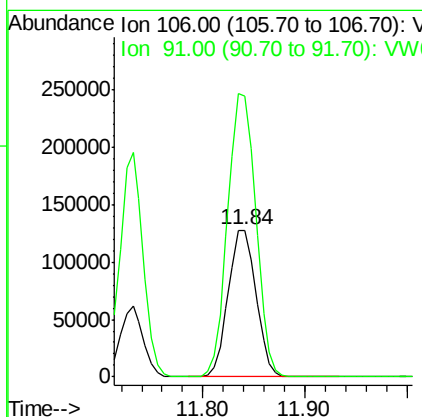
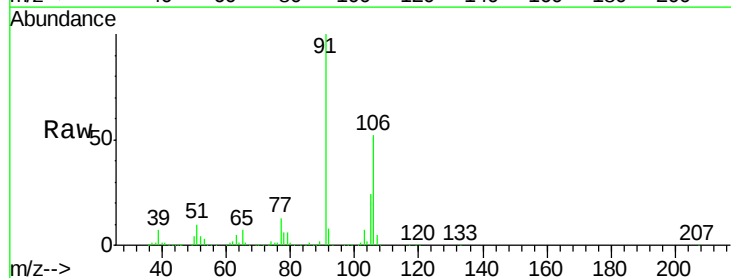
Manual Integrations
APPROVED

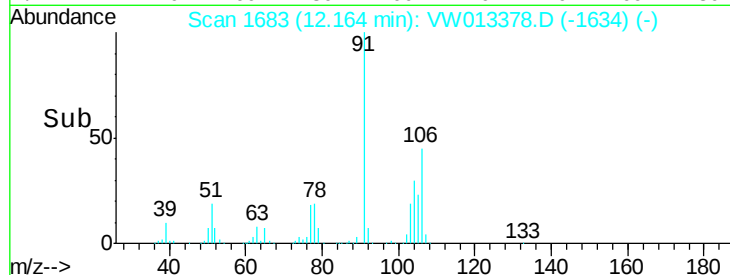
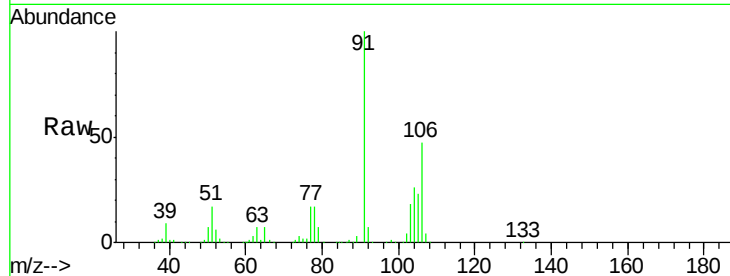
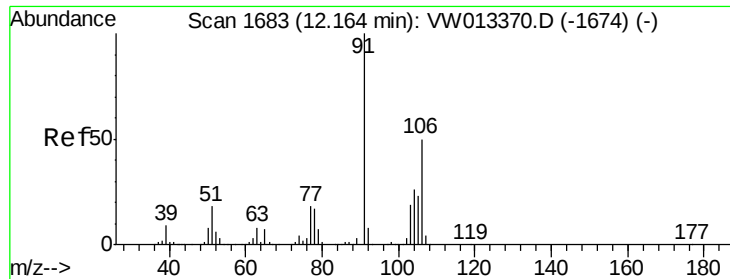
MMDadoda
10/4/2019 12:11:34 PM



#68
m/p-Xylenes
Concen: 42.442 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion: 106 Resp: 241615
Ion Ratio Lower Upper
106 100
91 195.5 157.9 236.9





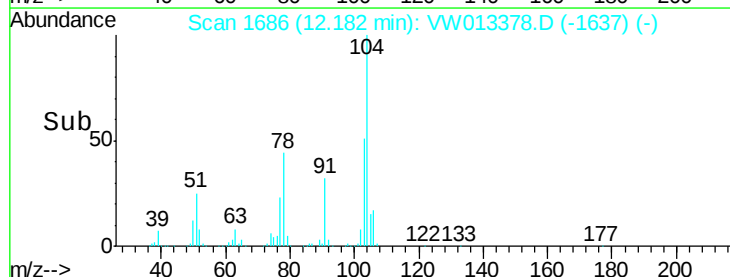
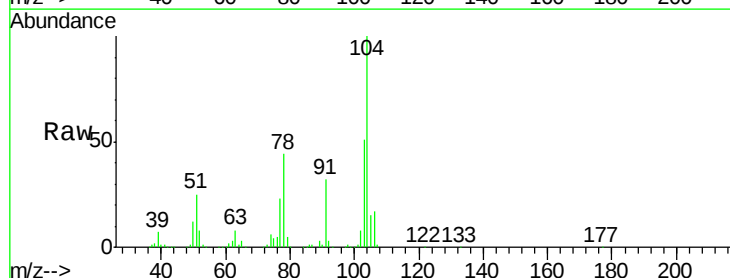
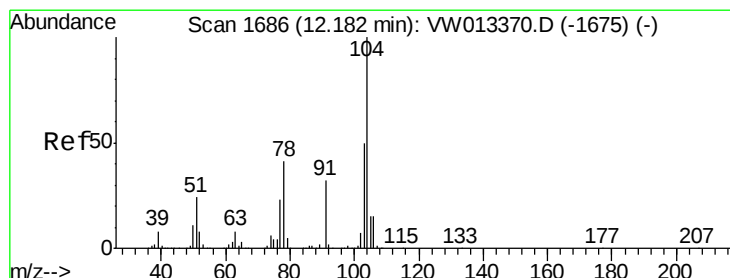
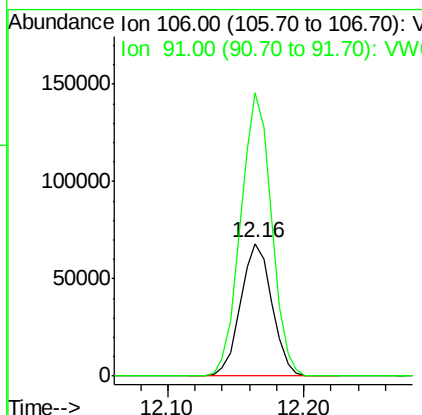
#69
o-Xylene
Concen: 20.840 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		109691		
91	210.6	106.5	319.5		

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

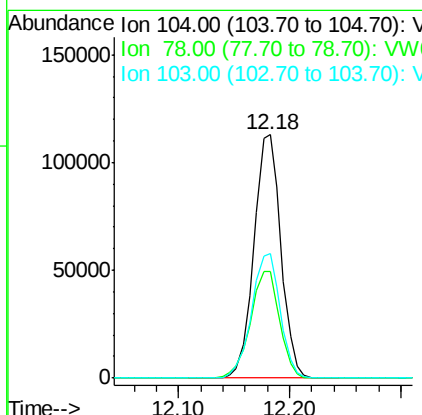
Manual Integrations
APPROVED

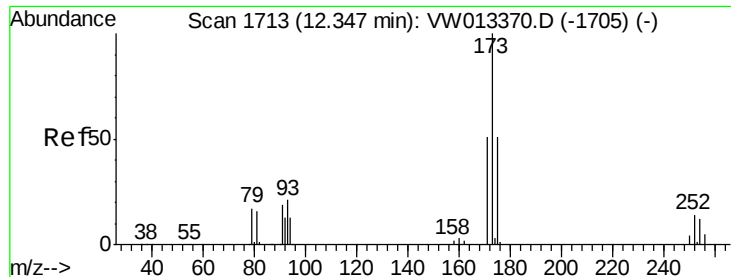
MMDadoda
10/4/2019 12:11:34 PM



#70
Styrene
Concen: 21.196 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		190711		
78	47.6	38.4	57.6		
103	54.4	43.3	64.9		





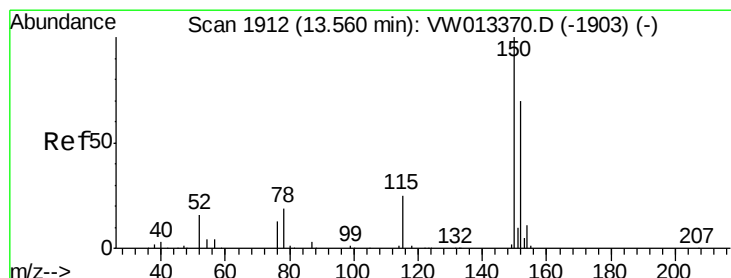
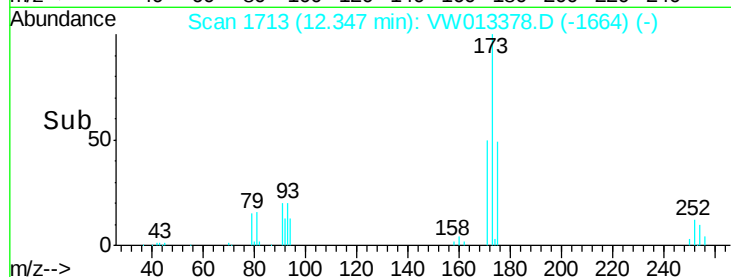
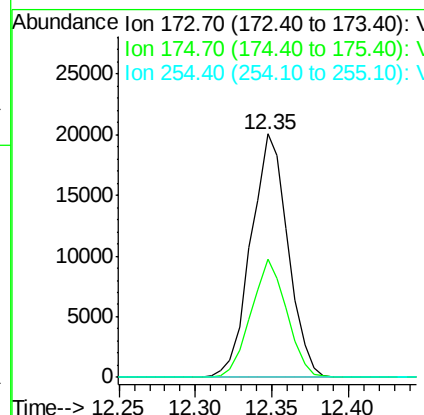
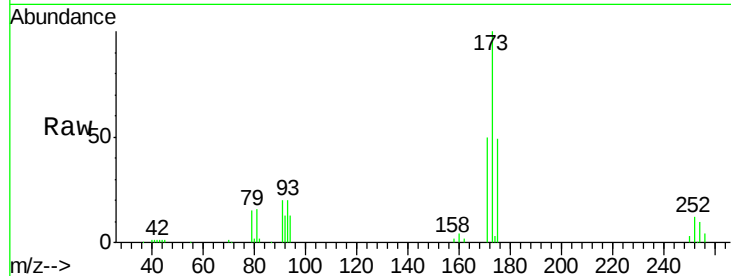
#71
Bromoform
Concen: 22.196 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.3	73.0
254	0.0	0.1	0.1#

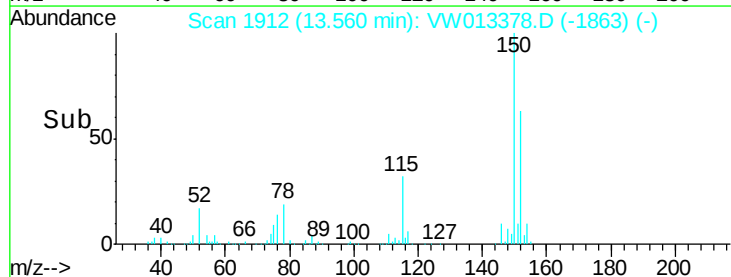
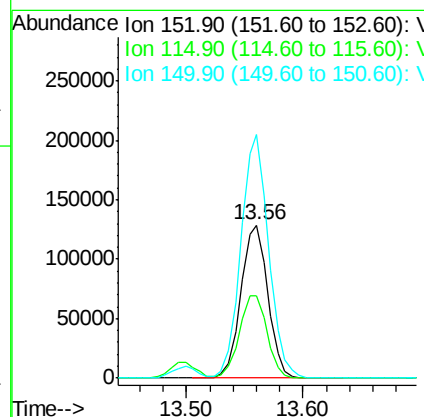
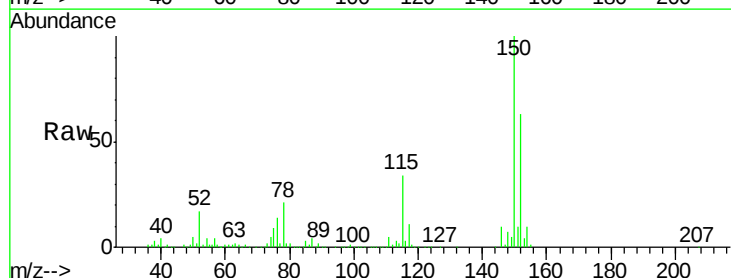
Manual Integrations
APPROVED

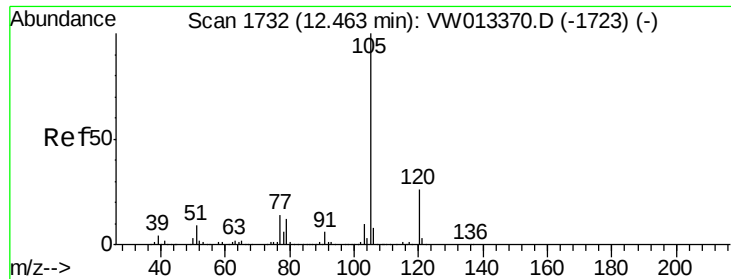
MMDadoda
10/4/2019 12:11:34 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.3	81.9
150	163.7	0.0	349.0





#73

Isopropylbenzene

Concen: 20.447 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 105 Resp: 310008

Ion Ratio Lower Upper

105 100

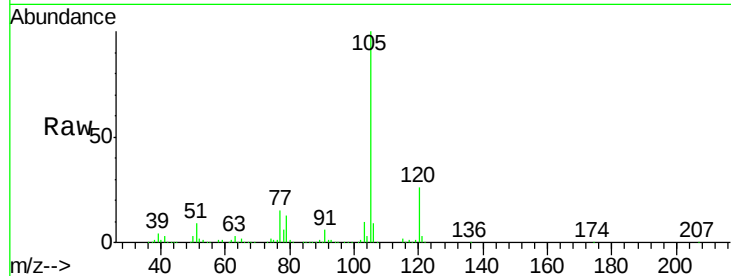
120 26.7 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:11:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

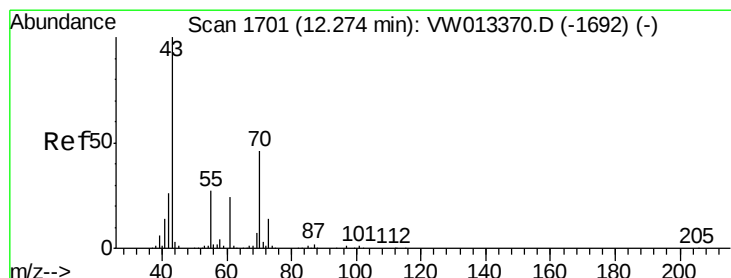
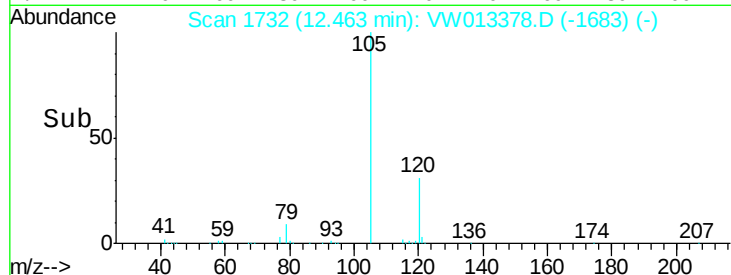
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.900 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion: 43 Resp: 70666

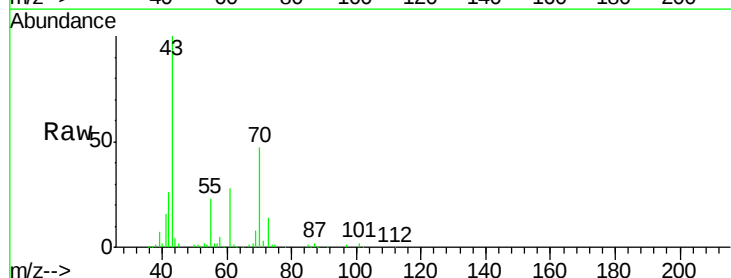
Ion Ratio Lower Upper

43 100

70 44.2 35.1 52.7

55 25.0 19.9 29.9

61 25.7 19.5 29.3



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

12.27

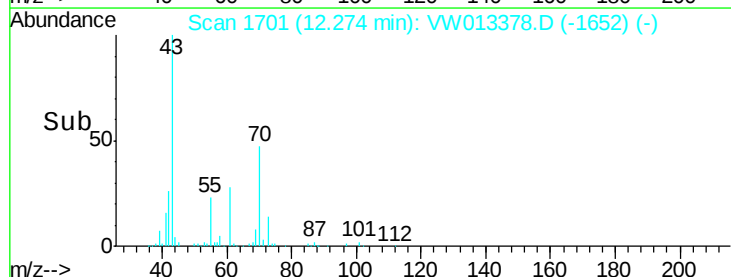
60000

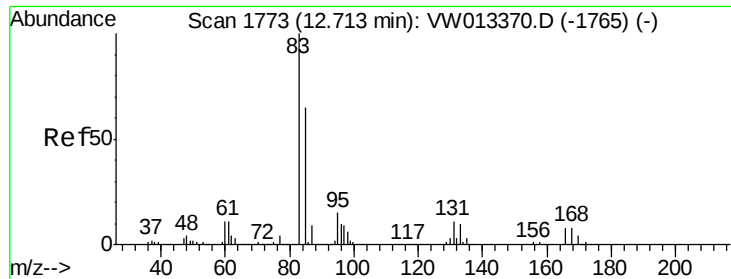
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.520 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

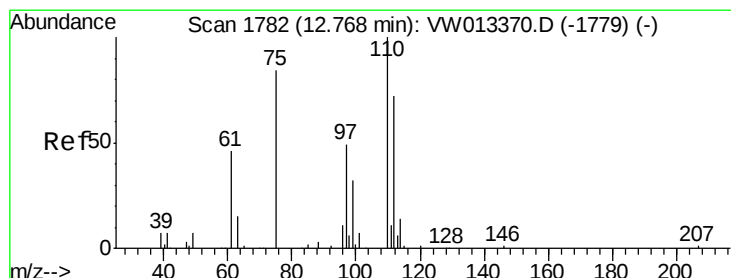
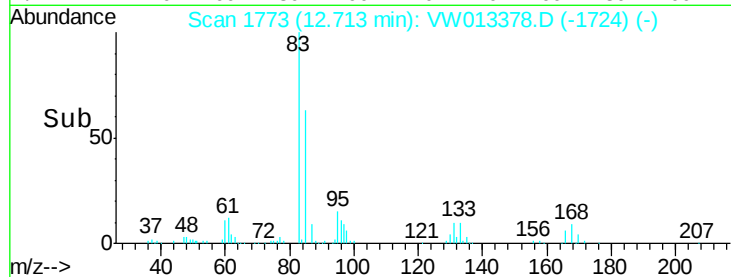
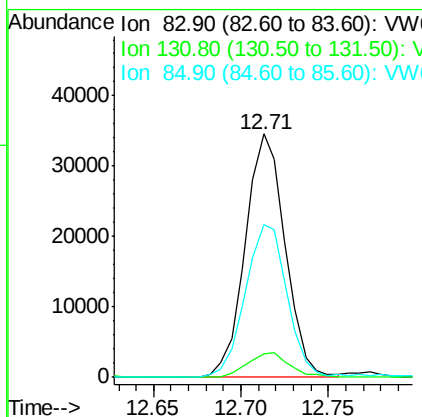
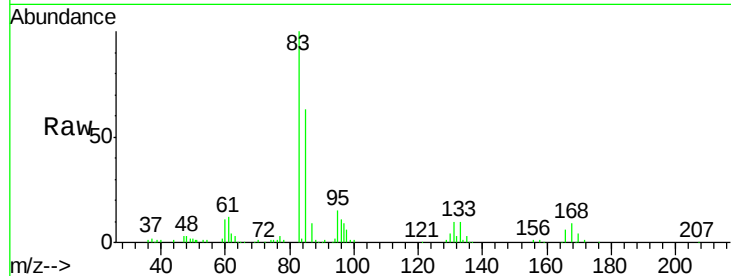
ClientSampleId :

VW1002SBSD01

Tot Ion:	83	Resp:	55226
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	66.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM



#76

1,2,3-Trichloropropane

Concen: 19.668 ug/l m

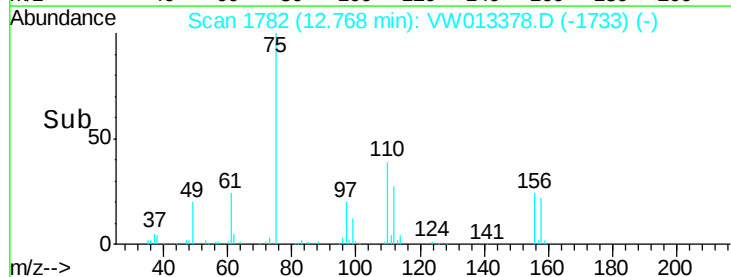
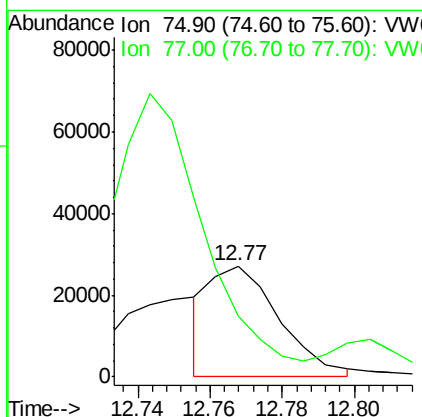
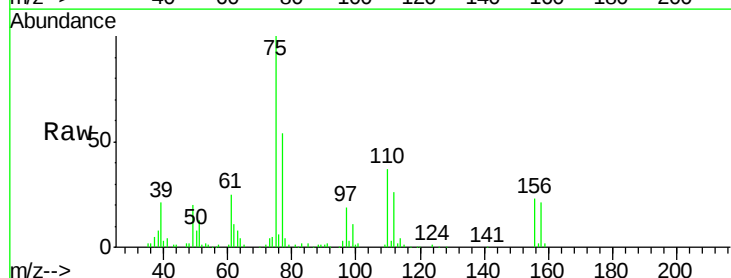
RT: 12.77 min Scan# 1782

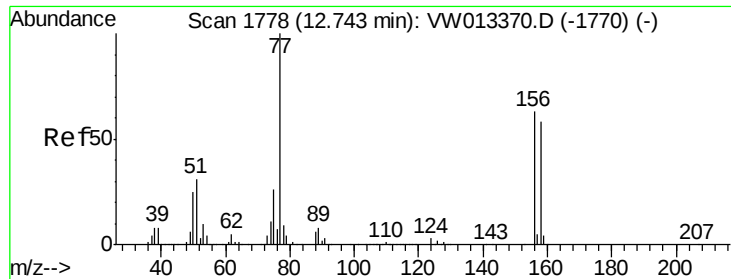
Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion:	75	Resp:	36233
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





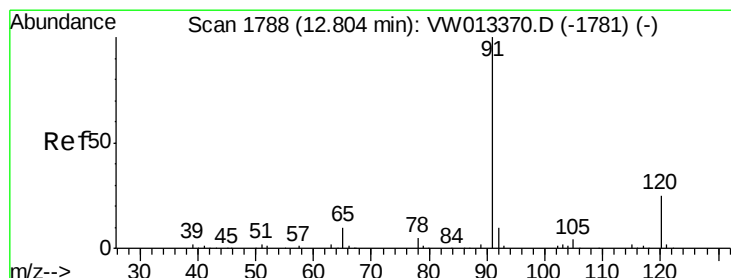
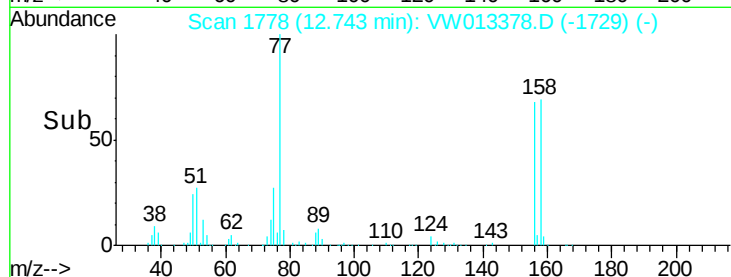
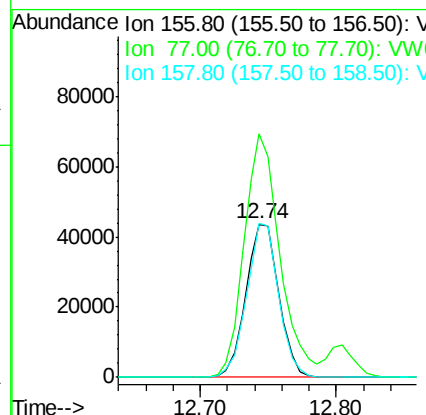
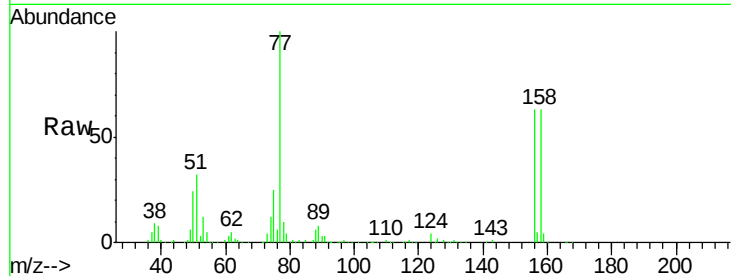
#77
Bromobenzene
Concen: 20.290 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.7	257.1
158	97.2	48.1	144.4

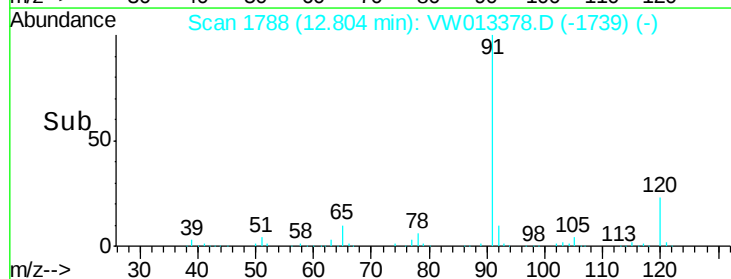
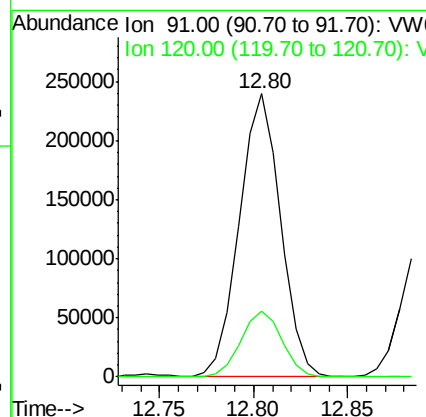
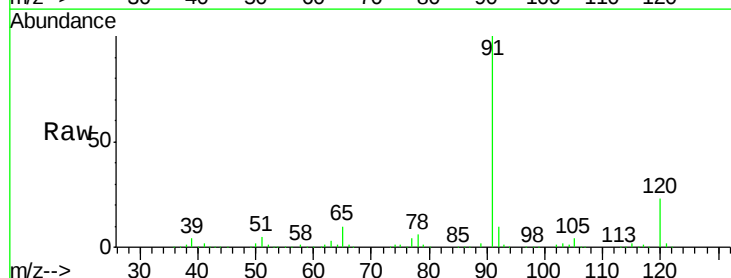
Manual Integrations
APPROVED

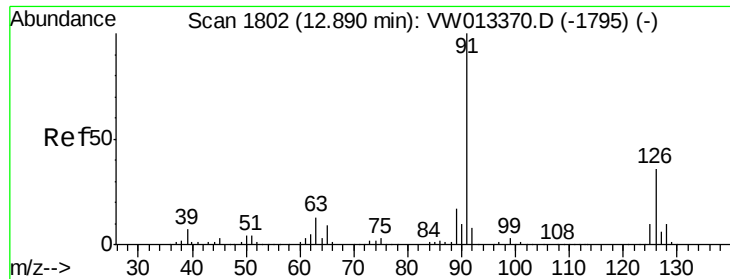
MMDadoda
10/4/2019 12:11:34 PM



#78
n-propylbenzene
Concen: 20.767 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.7	35.1





#79

2-Chlorotoluene

Concen: 20.883 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD01

Tot Ion: 91 Resp: 202290

Ion Ratio Lower Upper

91 100

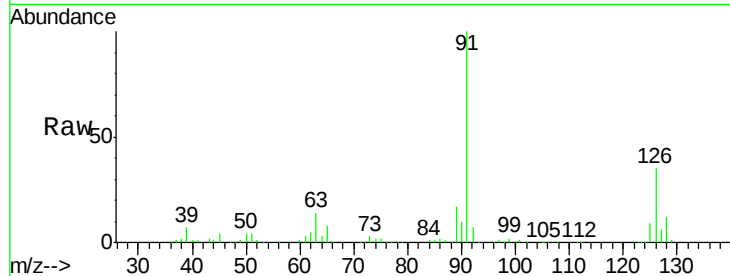
126 35.1 17.2 51.5

Manual Integrations

APPROVED

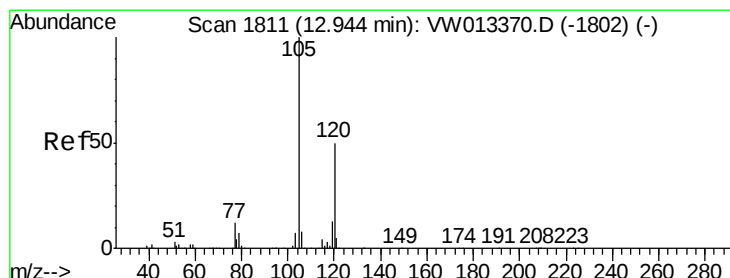
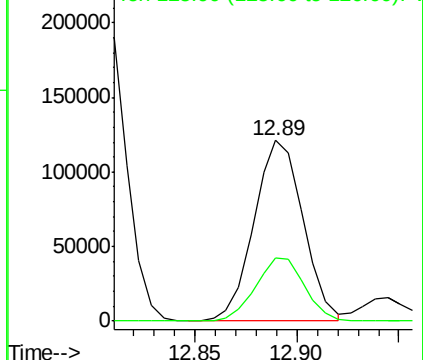
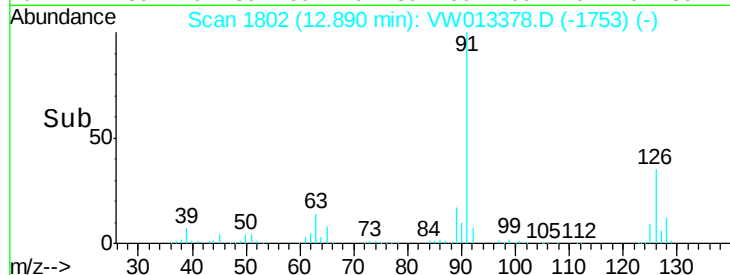
MMDadoda

10/4/2019 12:11:34 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.939 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013378.D

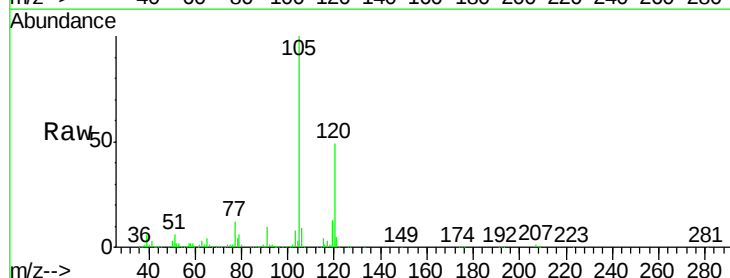
Acq: 02 Oct 2019 15:11

Tgt Ion: 105 Resp: 263714

Ion Ratio Lower Upper

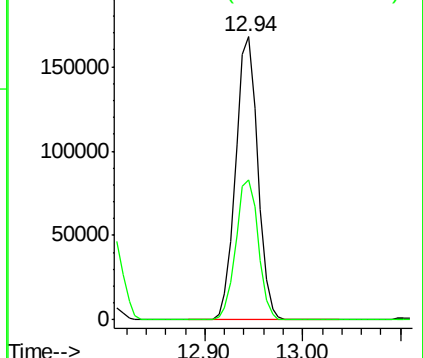
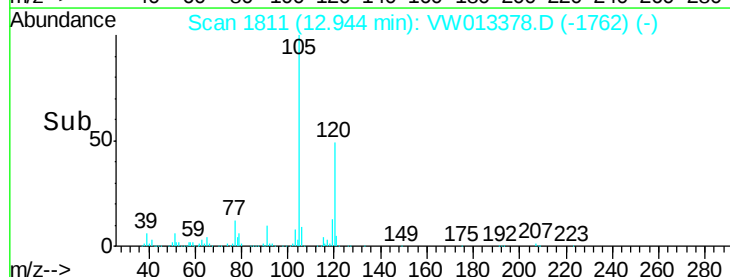
105 100

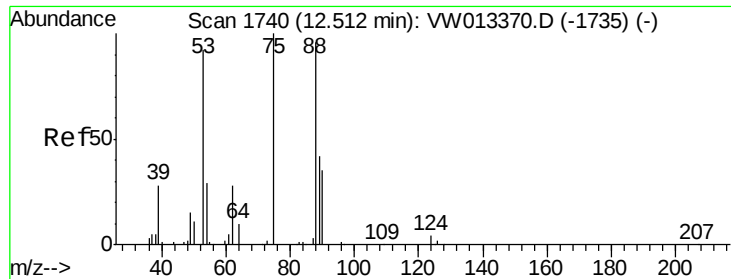
120 50.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





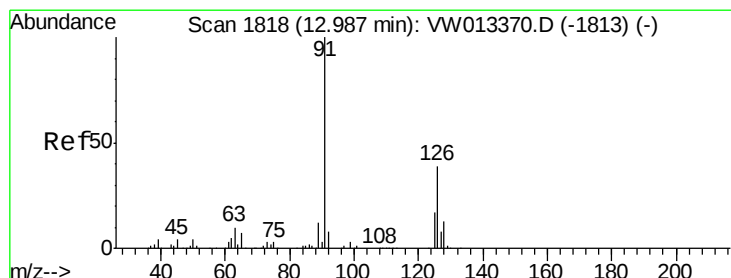
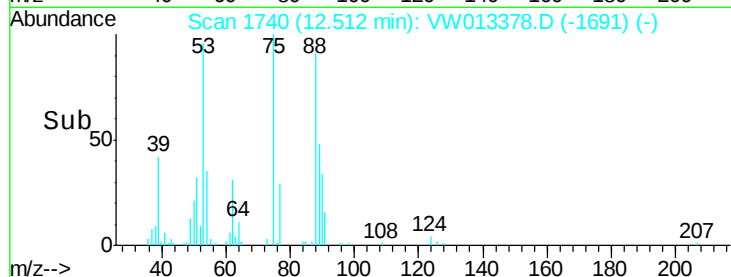
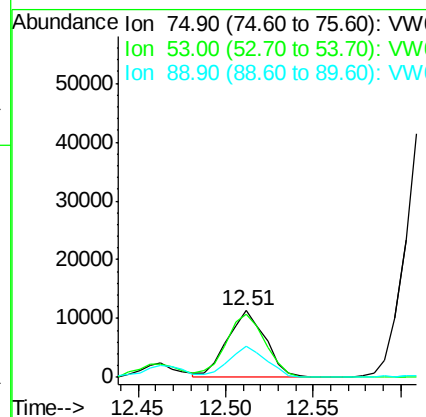
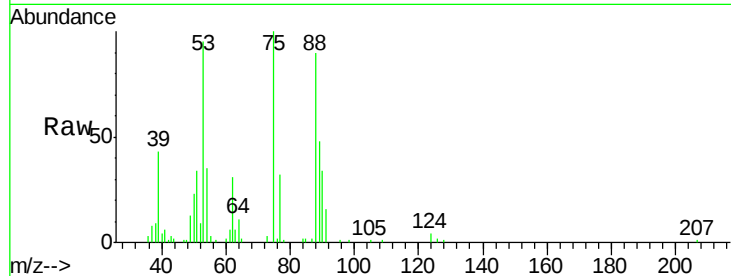
#81
trans-1,4-Dichloro-2-butene
Concen: 22.710 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	76.6	114.8
89	45.9	33.5	50.3

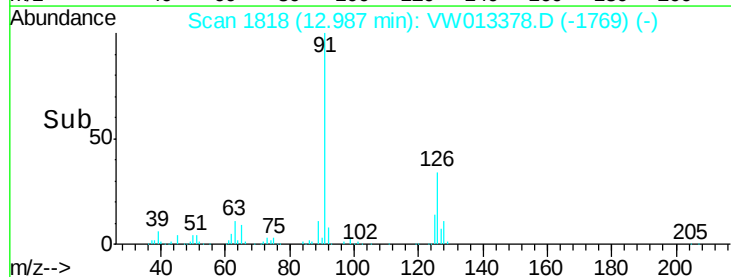
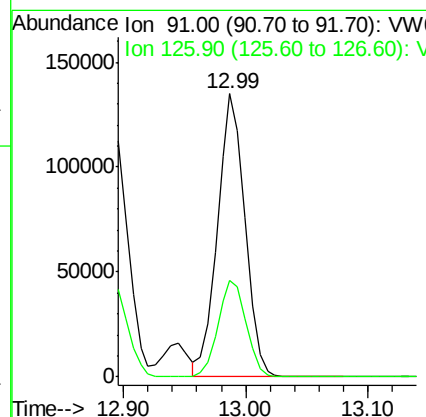
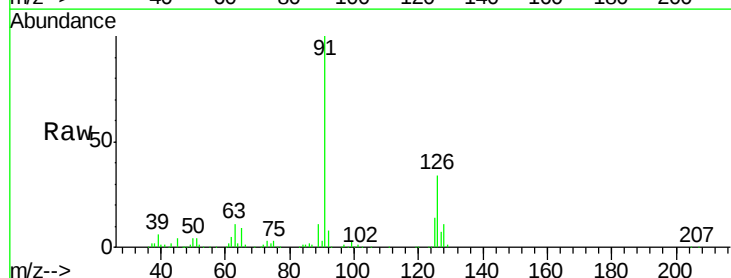
Manual Integrations
APPROVED

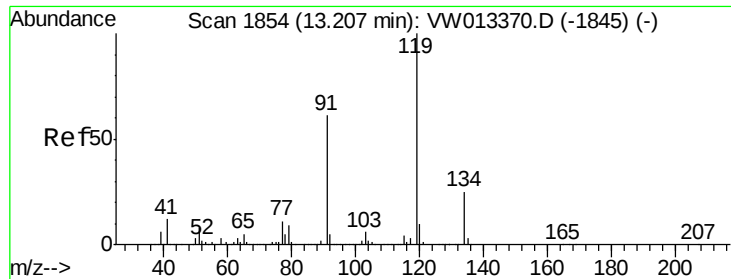
MMDadoda
10/4/2019 12:11:34 PM



#82
4-Chlorotoluene
Concen: 20.798 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





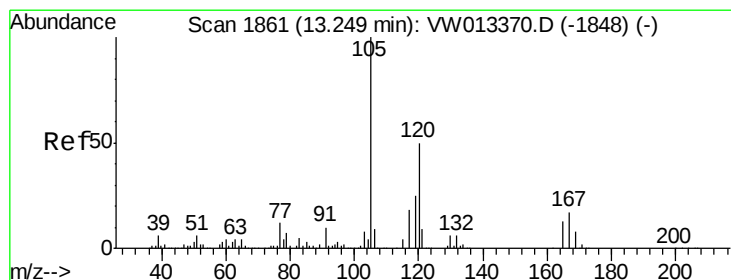
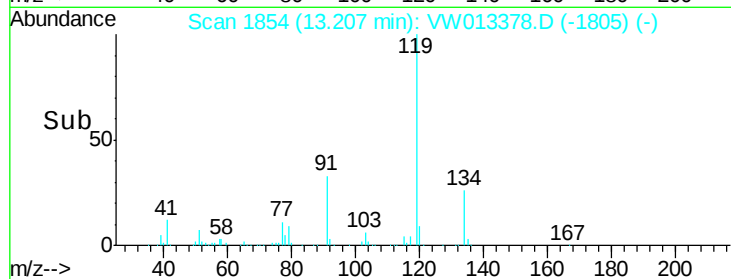
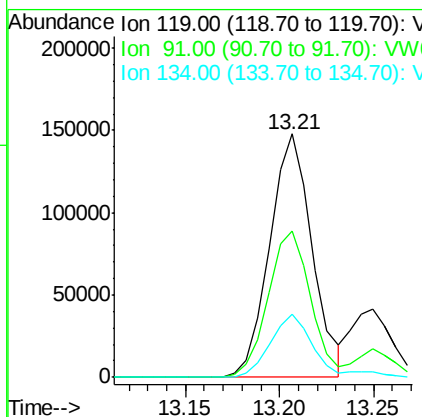
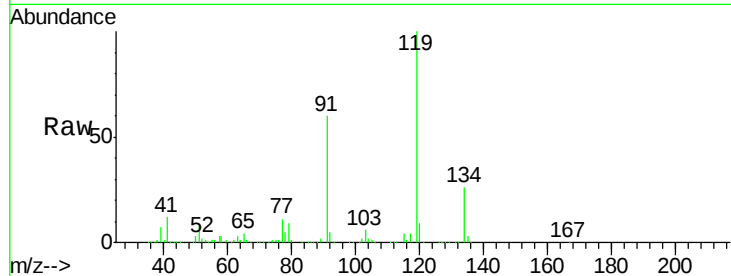
#83
tert-Butylbenzene
Concen: 21.005 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	27.1	12.6	37.6

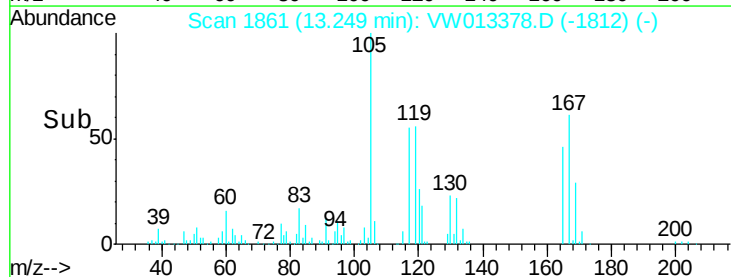
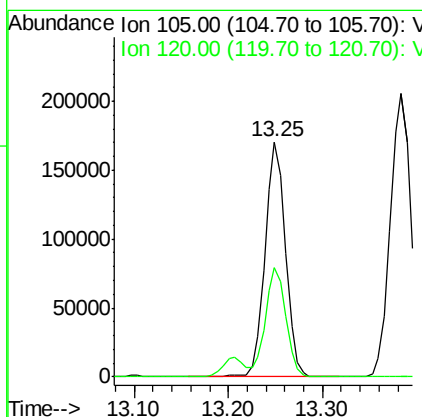
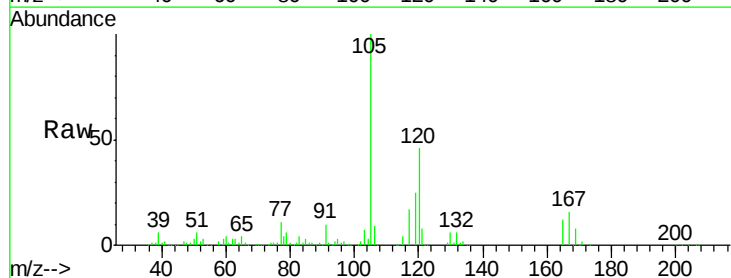
Manual Integrations
APPROVED

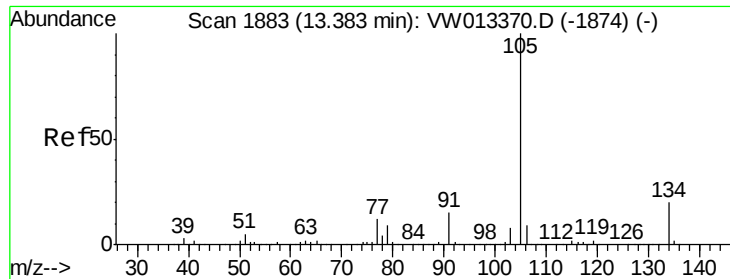
MMDadoda
10/4/2019 12:11:34 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.903 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.3





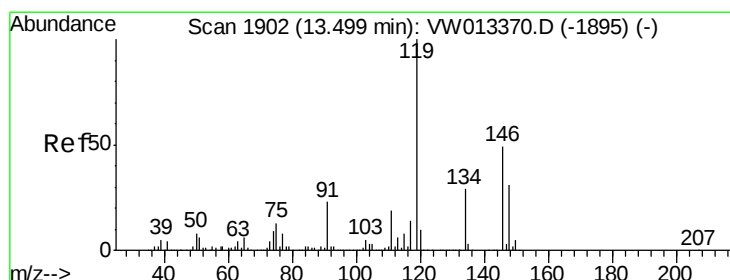
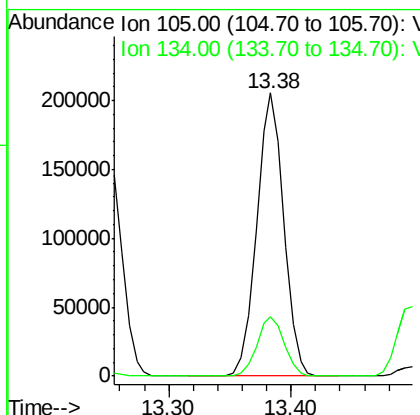
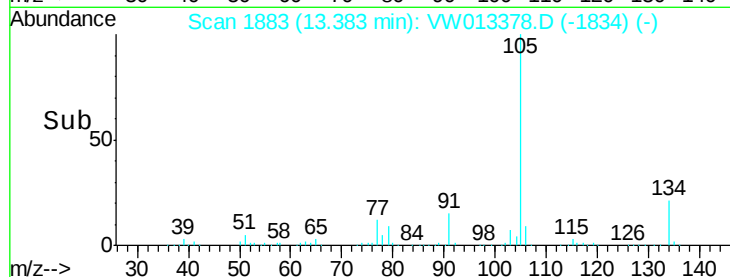
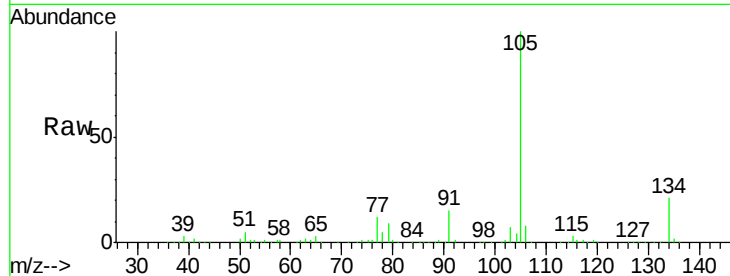
#85
 sec-Butylbenzene
 Concen: 20.836 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.3	30.8

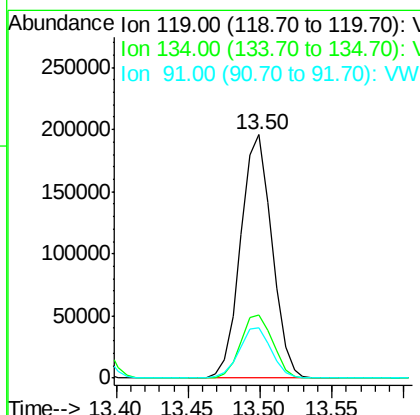
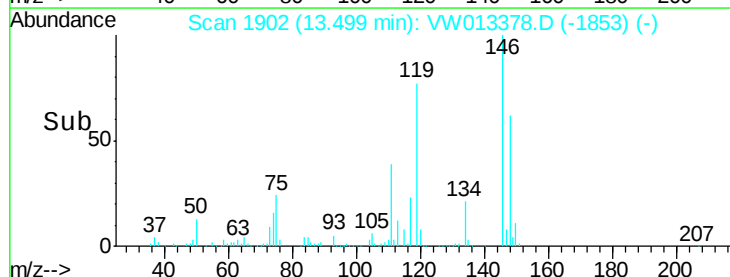
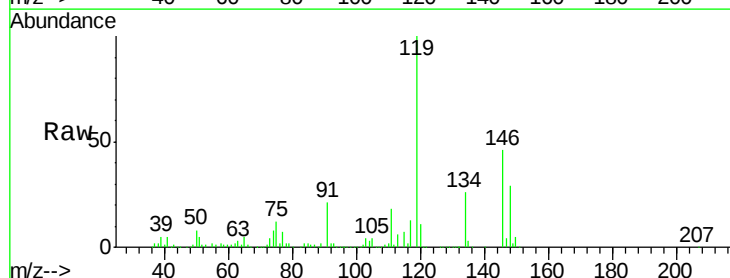
Manual Integrations
 APPROVED

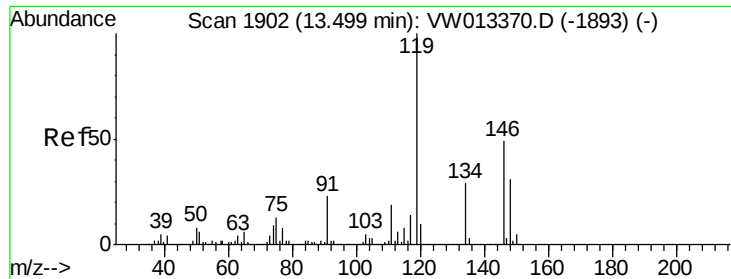
MMDadoda
 10/4/2019 12:11:34 PM



#86
 p-Isopropyltoluene
 Concen: 20.950 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.8
91	21.3	10.8	32.4





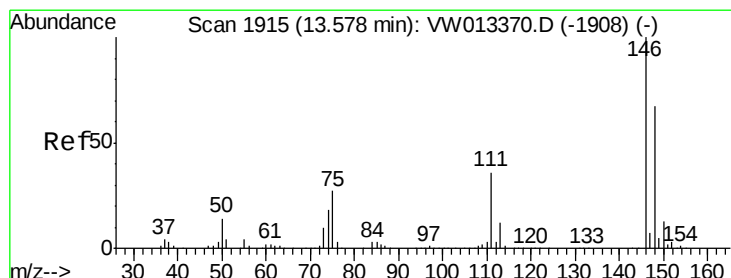
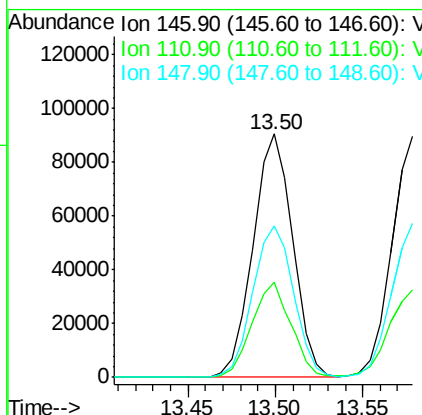
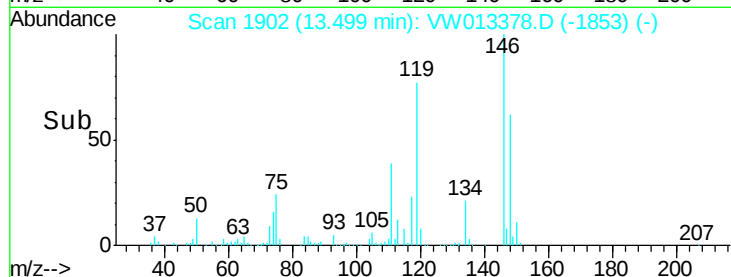
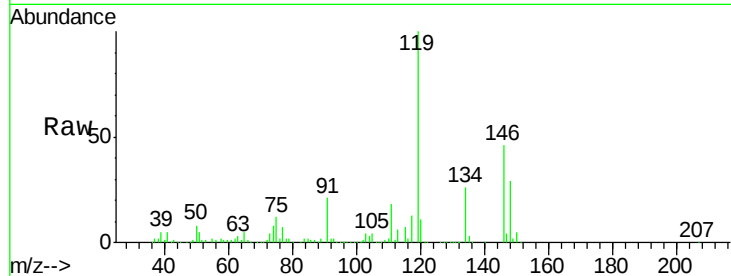
#87
 1,3-Dichlorobenzene
 Concen: 20.828 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.9
148	64.0	31.9	95.5

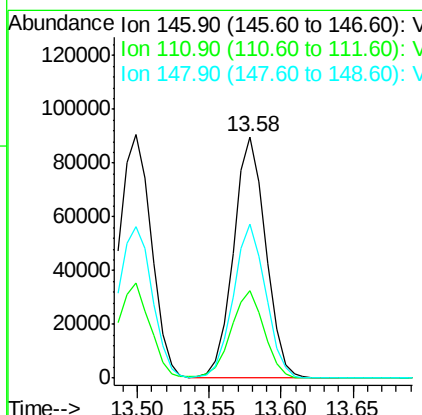
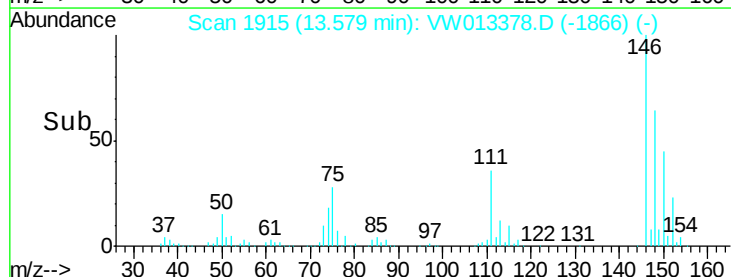
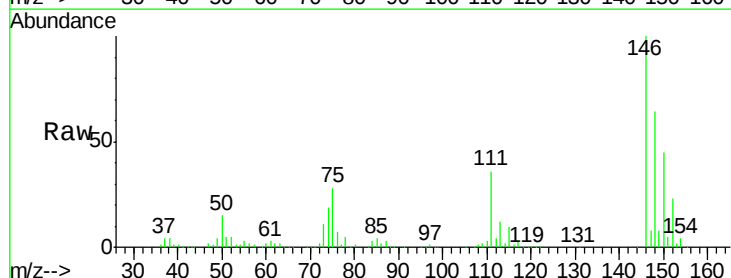
Manual Integrations
 APPROVED

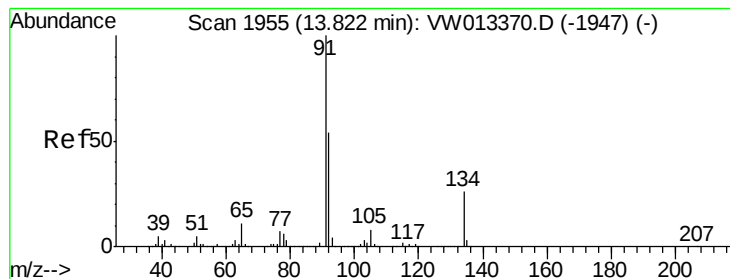
MMDadoda
 10/4/2019 12:11:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.471 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	64.2	32.1	96.3





#89

n-Butylbenzene

Concen: 21.083 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Instrument :

MSVOA_W

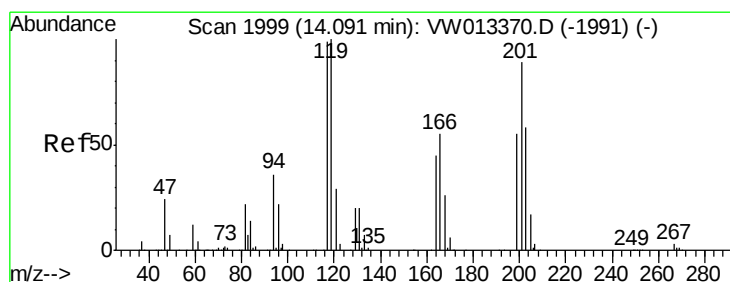
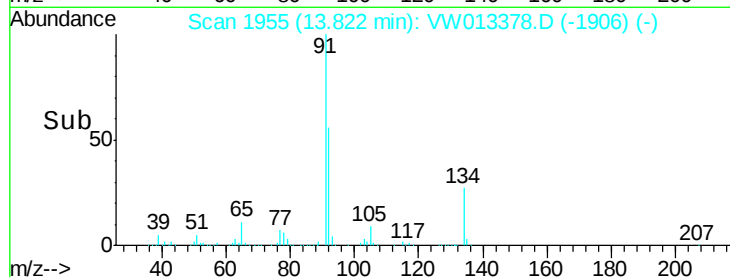
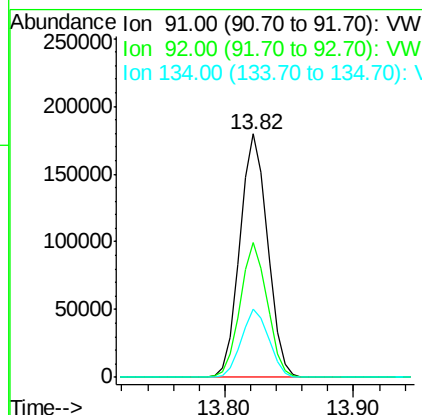
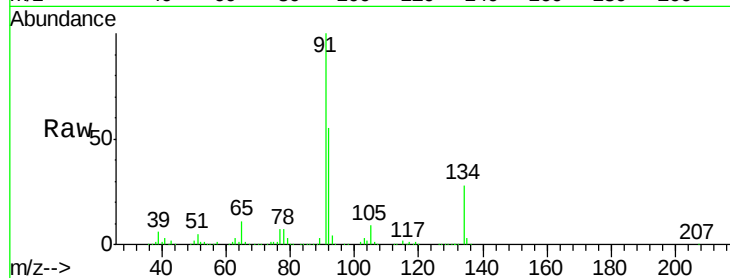
ClientSampleId :

VW1002SBS01

Tot Ion:	91	Resp:	267184
Ion Ratio	Lower	Upper	
91	100		
92	54.1	27.6	82.8
134	27.7	13.7	41.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM



#90

Hexachloroethane

Concen: 21.289 ug/l

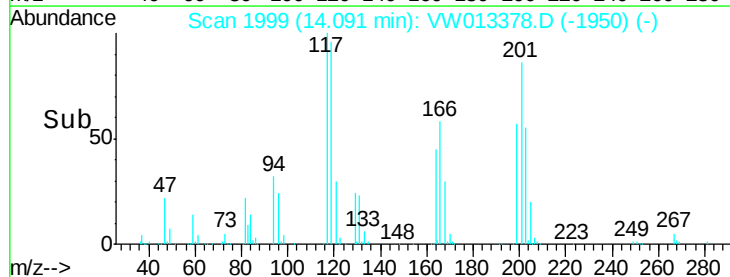
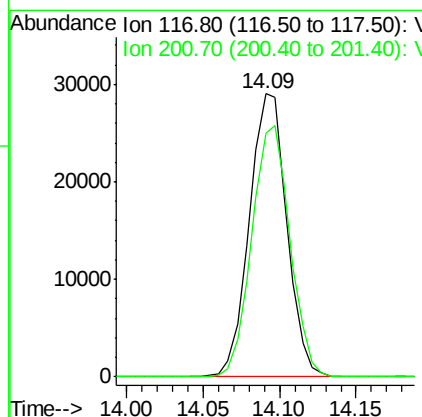
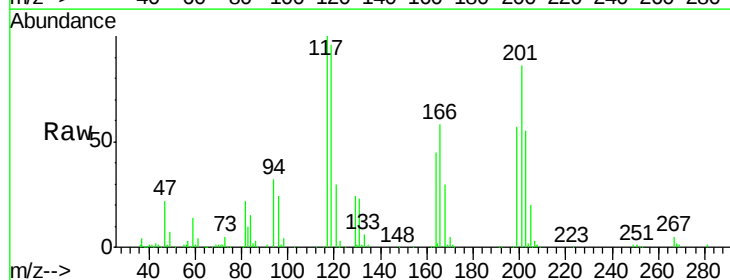
RT: 14.09 min Scan# 1999

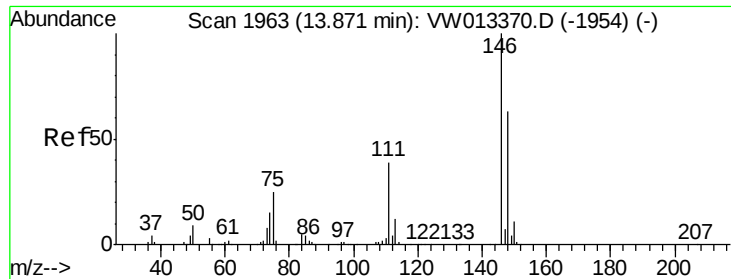
Delta R.T. 0.00 min

Lab File: VW013378.D

Acq: 02 Oct 2019 15:11

Tgt Ion:	117	Resp:	49439
Ion Ratio	Lower	Upper	
117	100		
201	90.3	44.5	133.5





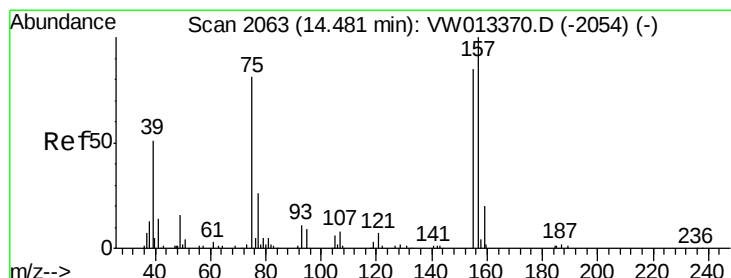
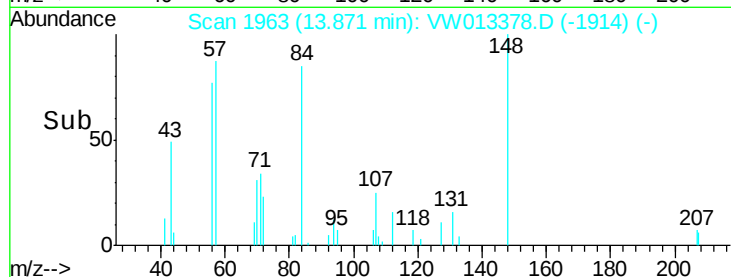
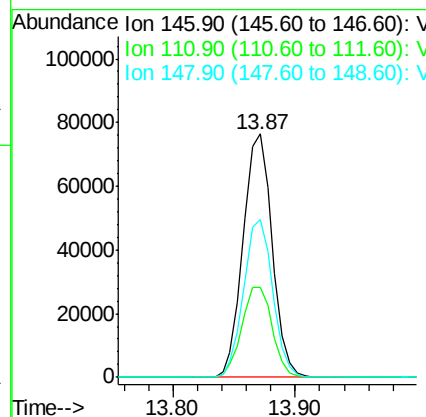
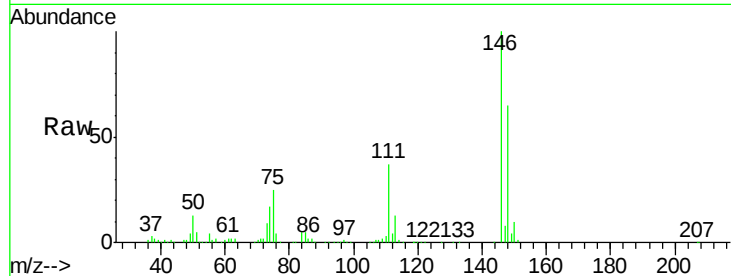
#91
 1,2-Dichlorobenzene
 Concen: 20.741 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1002SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	125585		
111	39.1	20.1	60.3	
148	65.4	32.0	96.0	

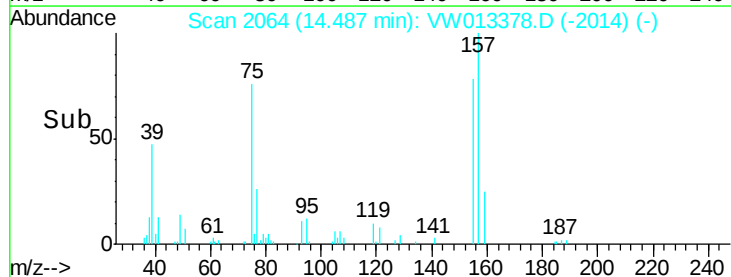
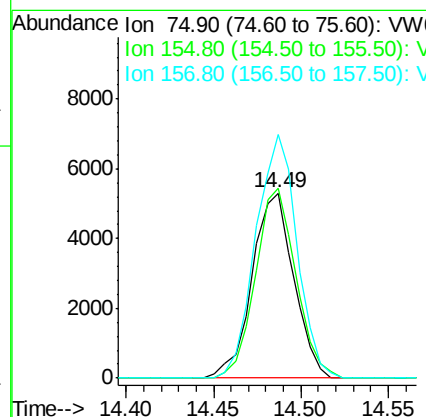
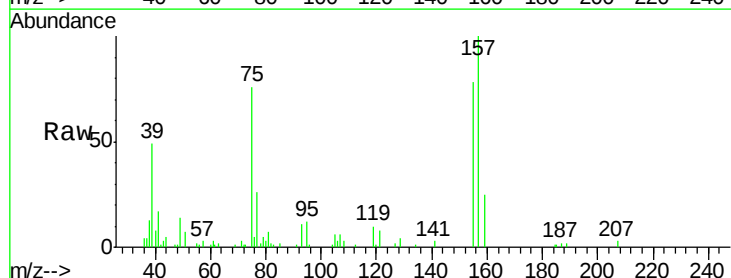
Manual Integrations
 APPROVED

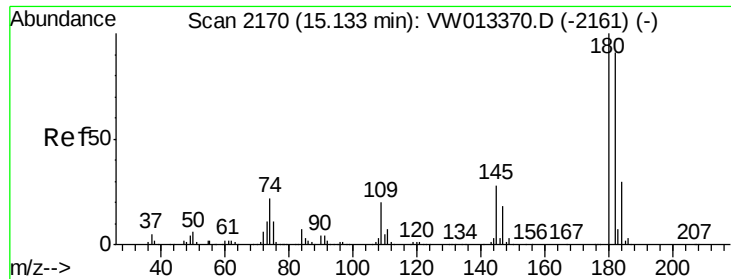
MMDadoda
 10/4/2019 12:11:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.788 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8747		
155	99.8	46.1	138.3	
157	130.5	60.4	181.2	





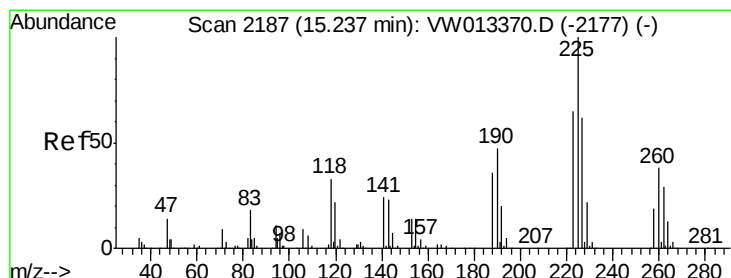
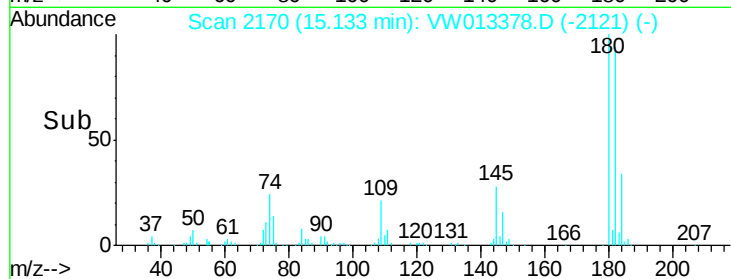
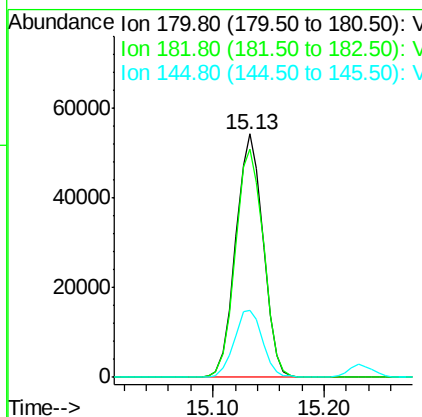
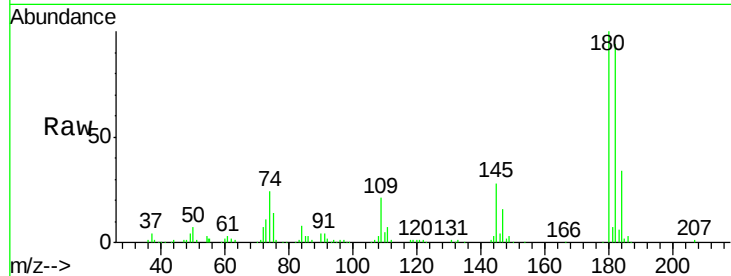
#93
 1,2,4-Trichlorobenzene
 Concen: 21.135 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	142.0
145	28.5	14.2	42.8

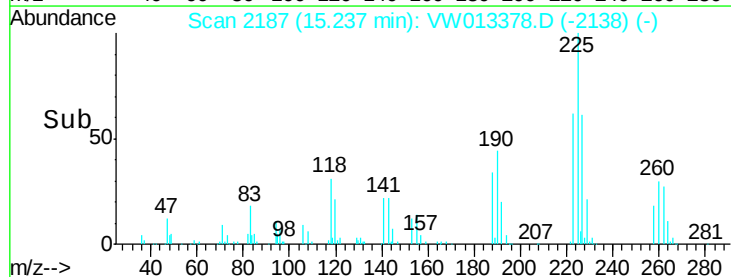
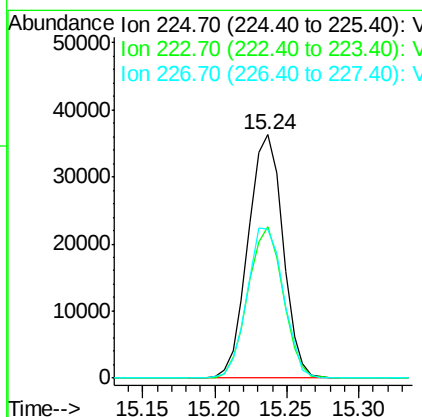
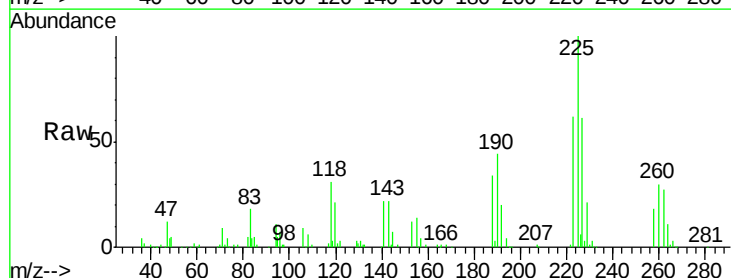
Manual Integrations
 APPROVED

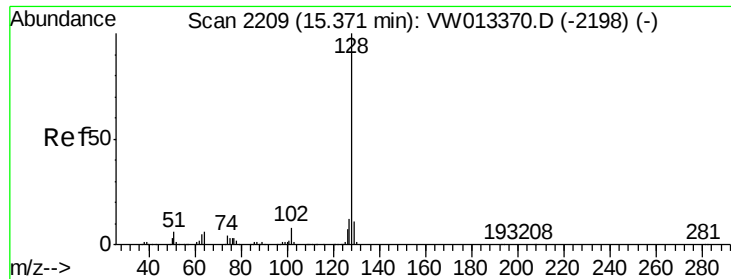
MMDadoda
 10/4/2019 12:11:34 PM



#94
 Hexachlorobutadiene
 Concen: 21.466 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013378.D
 Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.6	91.8
227	64.3	31.9	95.9





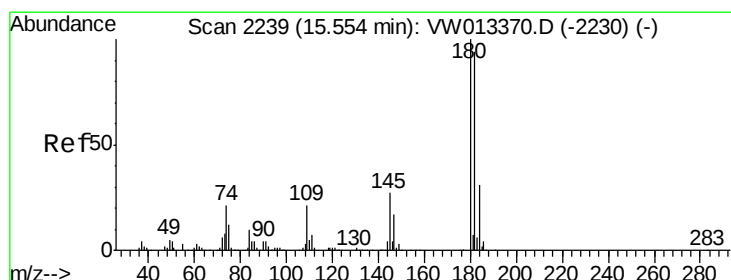
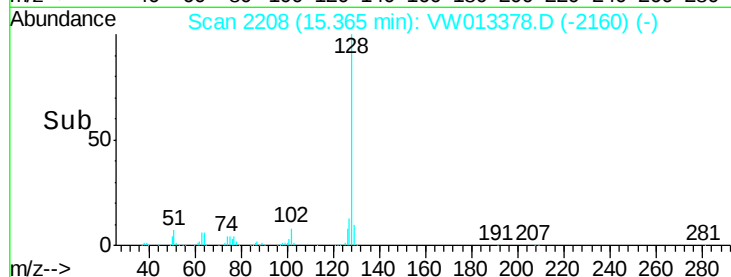
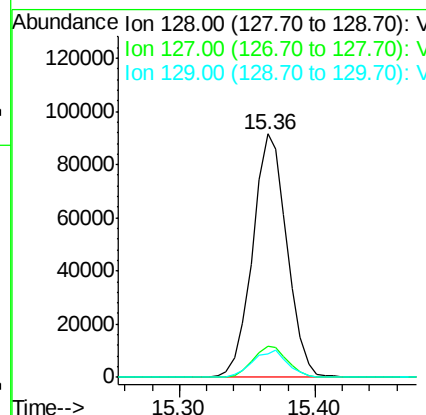
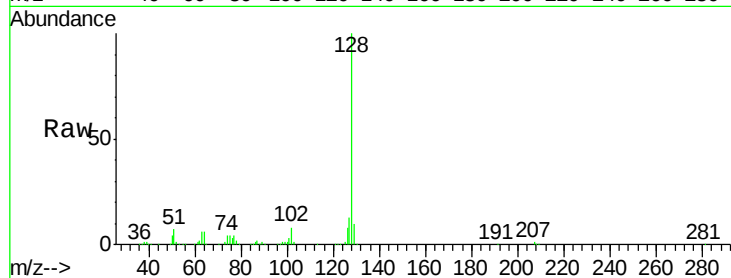
#95
Naphthalene
Concen: 22.009 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.755 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013378.D
Acq: 02 Oct 2019 15:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.9	143.7
145	28.0	15.0	45.0

