

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010379.D
 Acq On : 11 May 2019 14:16
 Operator : SY/VA
 Sample : VW0511SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Manual Integrations
 APPROVED

MMDadoda

5/13/2019 3:44:09 AM

Quant Time: May 12 00:45:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1394809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2258776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2046152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1026997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	779999	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.88	113	682159	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.32	98	2732723	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.62	95	994012	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	201885	19.124	ug/l	100
3) Chloromethane	2.21	50	266792	18.686	ug/l	98
4) Vinyl Chloride	2.37	62	353364	19.914	ug/l	98
5) Bromomethane	2.77	94	204138	19.950	ug/l	99
6) Chloroethane	2.92	64	210521	20.515	ug/l	98
7) Trichlorofluoromethane	3.25	101	154770	17.423	ug/l	97
8) Diethyl Ether	3.67	74	174084	22.292	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	298172	20.485	ug/l	96
10) Methyl Iodide	4.27	142	426107	20.673	ug/l	94
11) Tert butyl alcohol	5.18	59	99128	94.658	ug/l	100
12) 1,1-Dichloroethene	4.03	96	311588	20.486	ug/l	98
13) Acrolein	3.89	56	110373	79.830	ug/l	97
14) Allyl chloride	4.65	41	463257	20.405	ug/l	93
15) Acrylonitrile	5.36	53	404704	93.501	ug/l	99
16) Acetone	4.12	43	364243	94.223	ug/l	94
17) Carbon Disulfide	4.37	76	894595	19.448	ug/l	98
18) Methyl Acetate	4.67	43	182961	19.108	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	415254	22.935	ug/l	96
20) Methylene Chloride	4.92	84	343875	21.327	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	338456	20.673	ug/l	98
22) Diisopropyl ether	6.31	45	1069422	24.271	ug/l	94
23) Vinyl Acetate	6.25	43	3400282	112.387	ug/l	97
24) 1,1-Dichloroethane	6.21	63	647267	21.819	ug/l	99
25) 2-Butanone	7.17	43	560604	94.796	ug/l	99
26) 2,2-Dichloropropane	7.16	77	319139	21.622	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	367207	21.810	ug/l	97
28) Bromochloromethane	7.51	49	272241	24.892	ug/l	98
29) Tetrahydrofuran	7.53	42	363107	94.928	ug/l	96
30) Chloroform	7.67	83	625822	22.542	ug/l	98
31) Cyclohexane	7.95	56	622206	20.484	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	461390	21.455	ug/l	99
36) 1,1-Dichloropropene	8.08	75	510736	20.854	ug/l	99
37) Ethyl Acetate	7.26	43	251690	19.301	ug/l	97
38) Carbon Tetrachloride	8.07	117	435316	20.735	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010379.D
 Acq On : 11 May 2019 14:16
 Operator : SY/VA
 Sample : VW0511SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Manual Integrations
 APPROVED

MMDadoda

5/13/2019 3:44:09 AM

Quant Time: May 12 00:45:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	610181	20.366	ug/l	98
40) Benzene	8.32	78	1441213	21.487	ug/l	99
41) Methacrylonitrile	7.48	41	140897	19.267	ug/l	95
42) 1,2-Dichloroethane	8.40	62	433740	22.592	ug/l	97
43) Isopropyl Acetate	8.43	43	447320	20.684	ug/l	97
44) Trichloroethene	9.09	130	352104	20.969	ug/l	97
45) 1,2-Dichloropropane	9.37	63	377807	22.661	ug/l	95
46) Dibromomethane	9.46	93	186876	21.697	ug/l	98
47) Bromodichloromethane	9.64	83	463638	22.440	ug/l	98
48) Methyl methacrylate	9.43	41	211454	20.679	ug/l	86
49) 1,4-Dioxane	9.45	88	57143	380.433	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	1250027	100.802	ug/l	95
52) Toluene	10.38	92	898337	21.913	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	461715	22.062	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	557129	22.479	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	266344	21.772	ug/l	95
56) Ethyl methacrylate	10.65	69	358163	22.171	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	485556	22.202	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	913613	118.119	ug/l	100
59) 2-Hexanone	10.97	43	870032	99.230	ug/l	93
60) Dibromochloromethane	11.13	129	292583	22.226	ug/l	100
61) 1,2-Dibromoethane	11.24	107	253935	21.623	ug/l	98
64) Tetrachloroethene	10.86	164	293504	20.523	ug/l	98
65) Chlorobenzene	11.66	112	922573	21.781	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	315233	22.020	ug/l	97
67) Ethyl Benzene	11.73	91	1698009	21.792	ug/l	99
68) m/p-Xylenes	11.84	106	1284354	44.364	ug/l	99
69) o-Xylene	12.16	106	580643	22.171	ug/l	99
70) Styrene	12.18	104	1032511	22.627	ug/l	99
71) Bromoform	12.35	173	167976	20.526	ug/l	98
73) Isopropylbenzene	12.47	105	1616299	21.592	ug/l	99
74) N-amyl acetate	12.27	43	413167	21.364	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	332157	20.138	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	235812m	19.694	ug/l	
77) Bromobenzene	12.75	156	367060	21.716	ug/l	98
78) n-propylbenzene	12.80	91	2013570	21.779	ug/l	99
79) 2-Chlorotoluene	12.90	91	1142838	21.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1394986	22.104	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	100149	18.888	ug/l	97
82) 4-Chlorotoluene	12.99	91	1205164	21.846	ug/l	99
83) tert-Butylbenzene	13.21	119	1114653	21.176	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1414538	22.556	ug/l	99
85) sec-Butylbenzene	13.38	105	1663745	21.411	ug/l	100
86) p-Isopropyltoluene	13.50	119	1516055	21.974	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	738742	21.888	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	727945	21.733	ug/l	99
89) n-Butylbenzene	13.83	91	1496428	21.631	ug/l	99
90) Hexachloroethane	14.10	117	261786	20.457	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	658872	22.052	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	54442	18.330	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
Data File : VW010379.D
Acq On : 11 May 2019 14:16
Operator : SY/VA
Sample : VW0511SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Manual Integrations
APPROVED

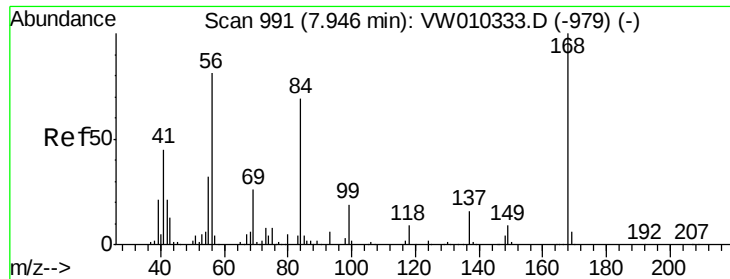
MMDadoda

5/13/2019 3:44:09 AM

Quant Time: May 12 00:45:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
Quant Title : SW846 8260
QLast Update : Fri May 10 03:41:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	456594	22.392	ug/l	99
94) Hexachlorobutadiene	15.24	225	274090	20.967	ug/l	99
95) Naphthalene	15.37	128	860853	20.746	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	417760	22.678	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion:168 Resp: 1394809

Ion Ratio Lower Upper

168 100

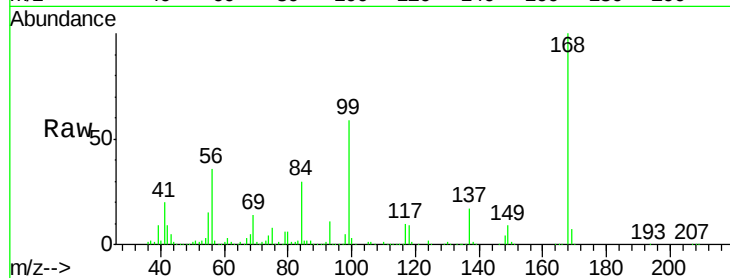
99 59.4 48.4 72.6

Manual Integrations

APPROVED

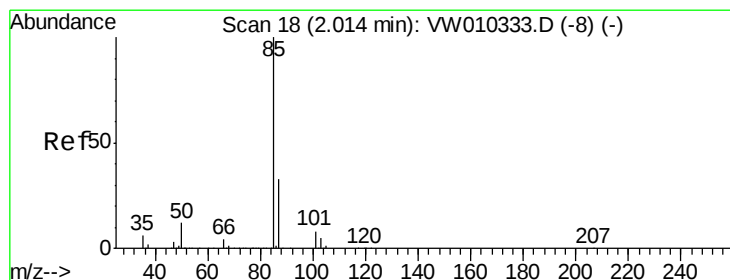
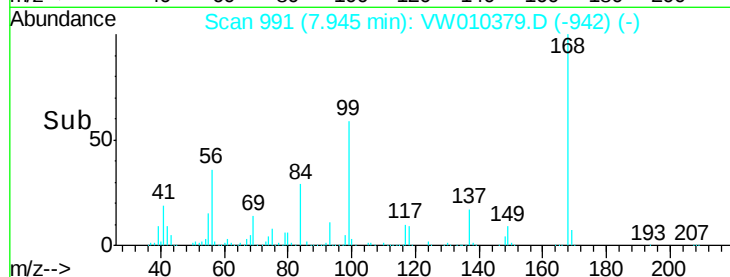
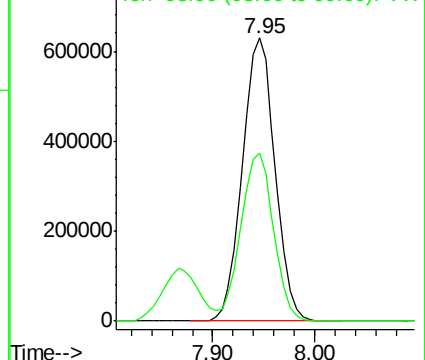
MMDadoda

5/13/2019 3:44:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.124 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010379.D

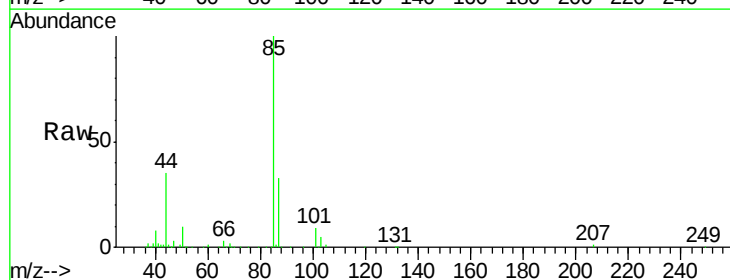
Acq: 11 May 2019 14:16

Tgt Ion: 85 Resp: 201885

Ion Ratio Lower Upper

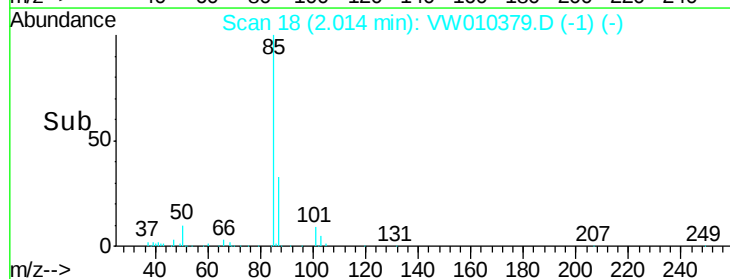
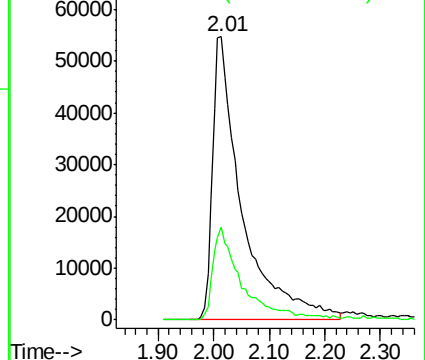
85 100

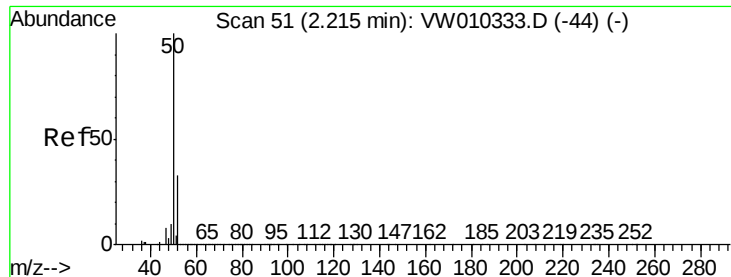
87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.686 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion: 50 Resp: 266792

Ion Ratio Lower Upper

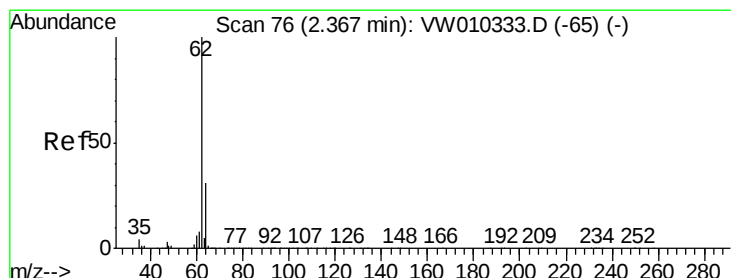
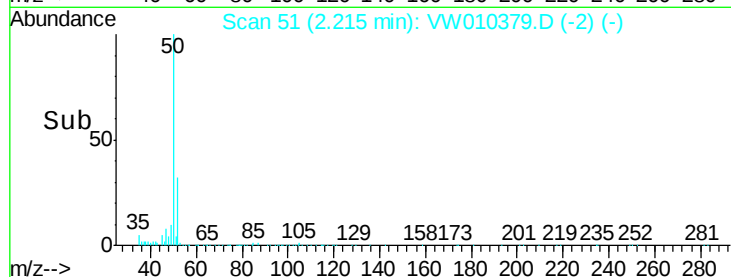
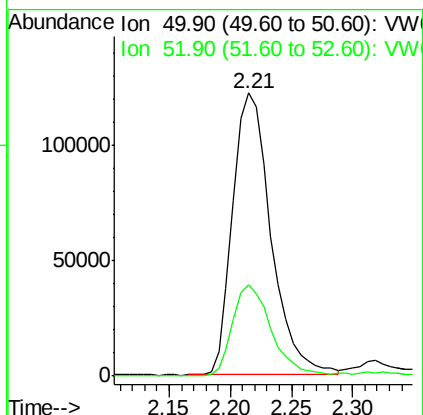
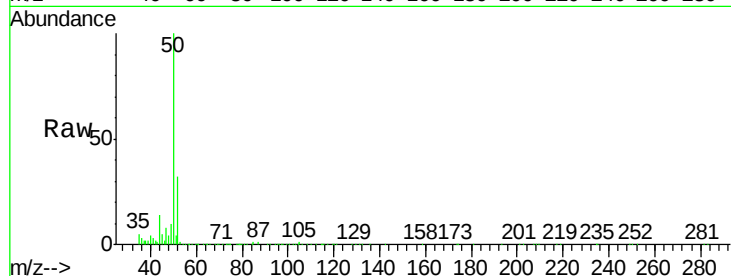
50 100

52 32.3 25.0 37.6

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#4

Vinyl Chloride

Concen: 19.914 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010379.D

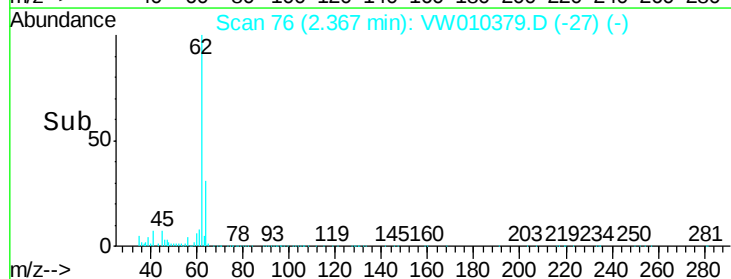
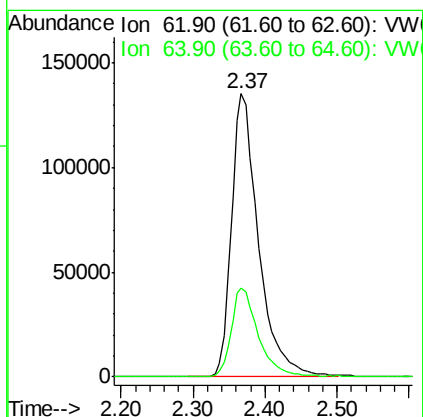
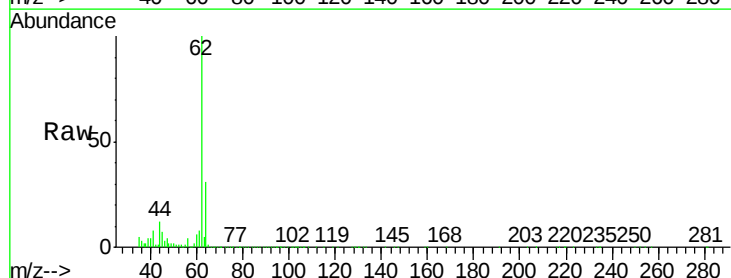
Acq: 11 May 2019 14:16

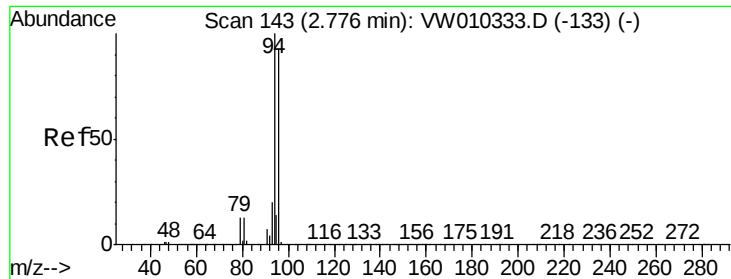
Tgt Ion: 62 Resp: 353364

Ion Ratio Lower Upper

62 100

64 31.1 25.9 38.9





#5

Bromomethane

Concen: 19.950 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion: 94 Resp: 204138

Ion Ratio Lower Upper

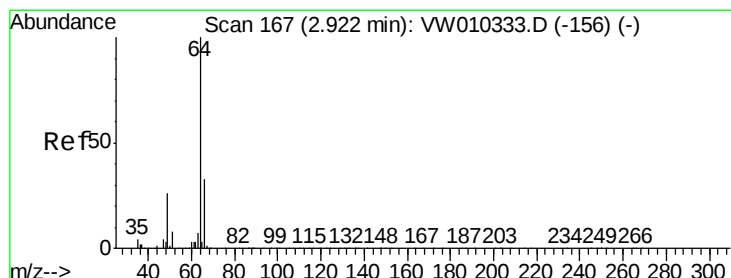
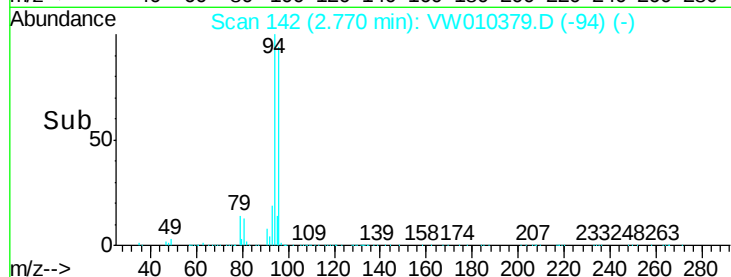
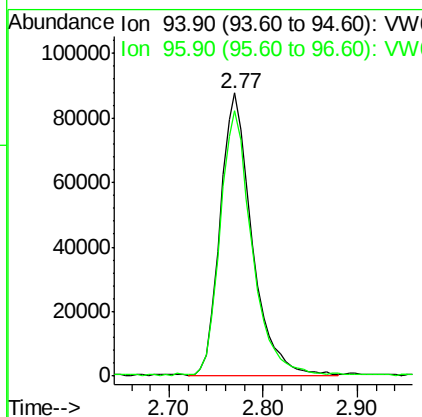
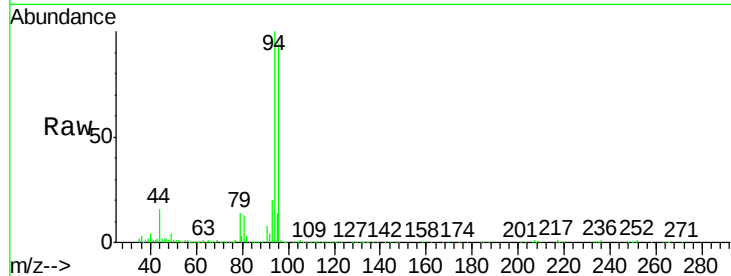
94 100

96 93.7 74.2 111.2

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#6

Chloroethane

Concen: 20.515 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010379.D

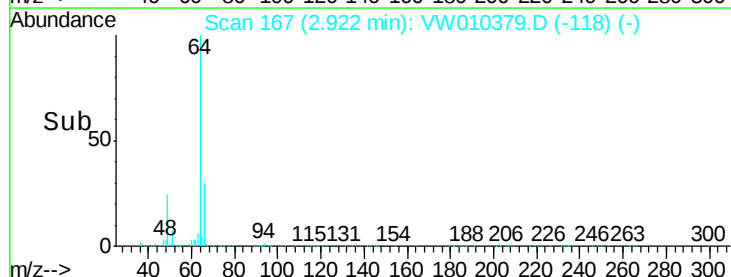
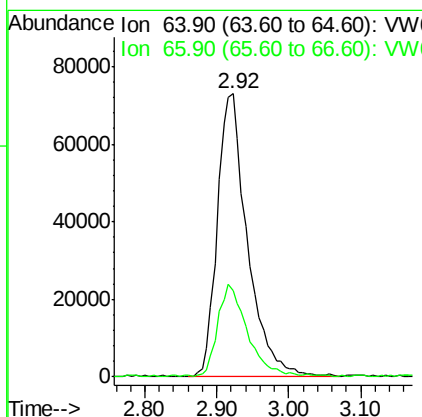
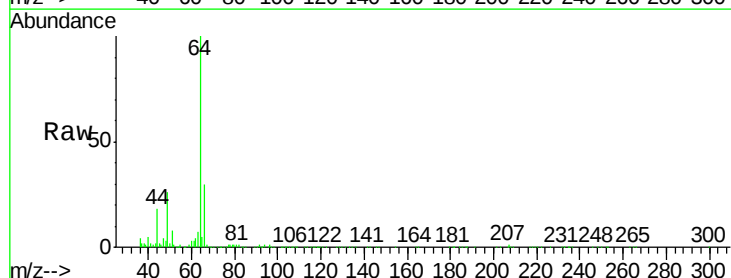
Acq: 11 May 2019 14:16

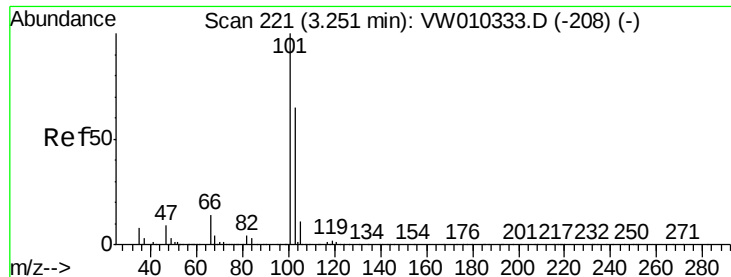
Tgt Ion: 64 Resp: 210521

Ion Ratio Lower Upper

64 100

66 30.5 23.4 35.0





#7

Trichlorofluoromethane
Concen: 17.423 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

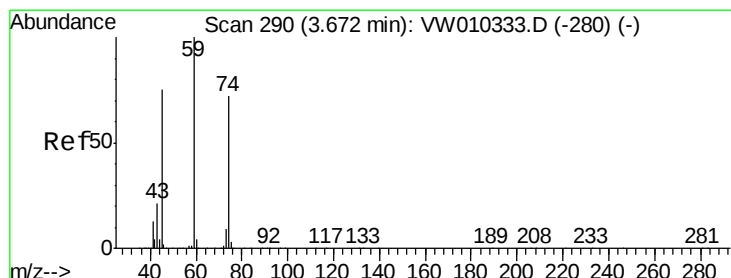
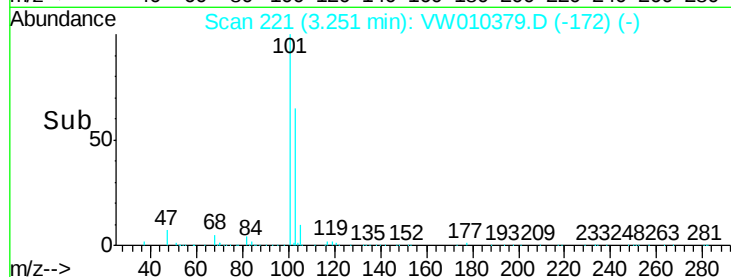
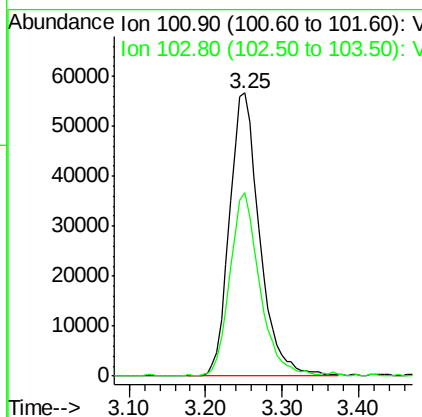
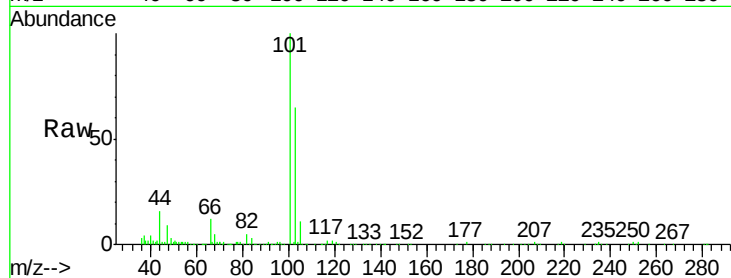
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	49.8	74.6

Manual Integrations
APPROVED

MMDadoda

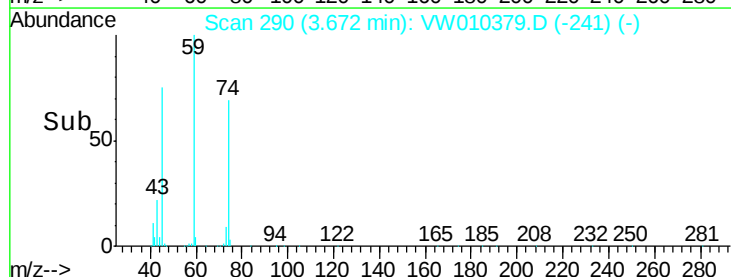
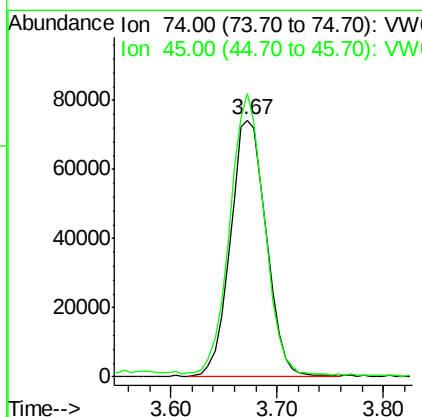
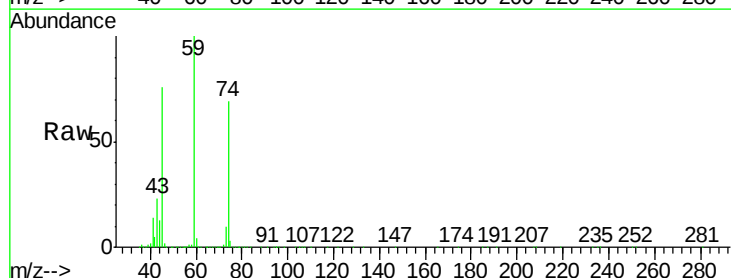
5/13/2019 3:44:09 AM

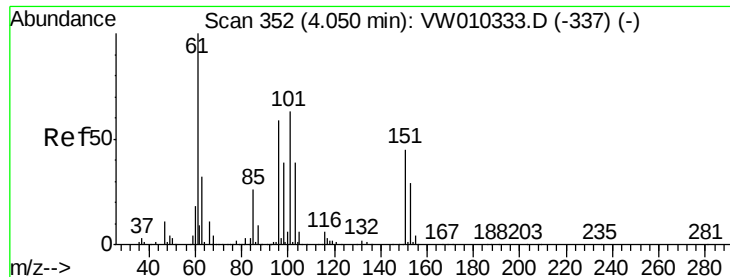


#8

Diethyl Ether
Concen: 22.292 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.485 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

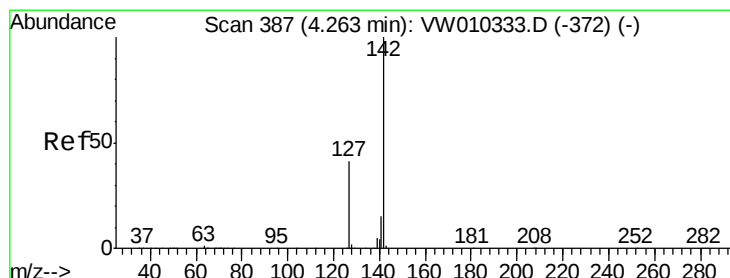
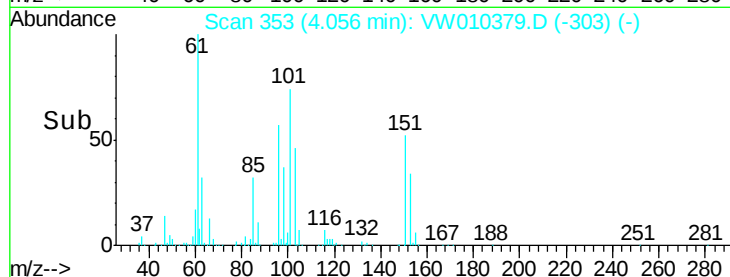
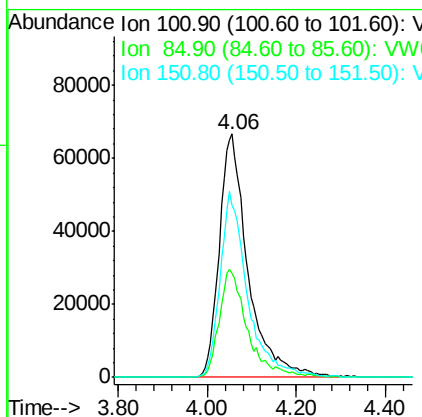
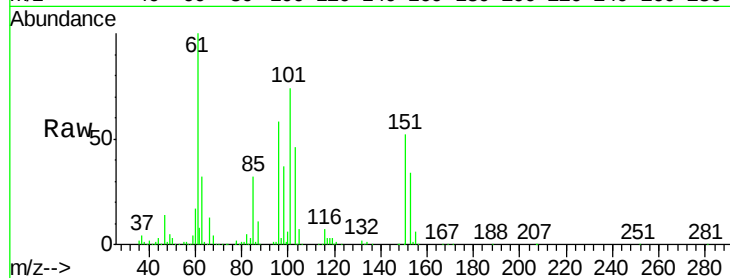
VW0511SBSD01

Tot Ion:	101	Resp:	298172
Ion Ratio	Lower	Upper	
101	100		
85	41.1	36.3	54.5
151	73.0	60.2	90.2

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#10

Methyl Iodide

Concen: 20.673 ug/l

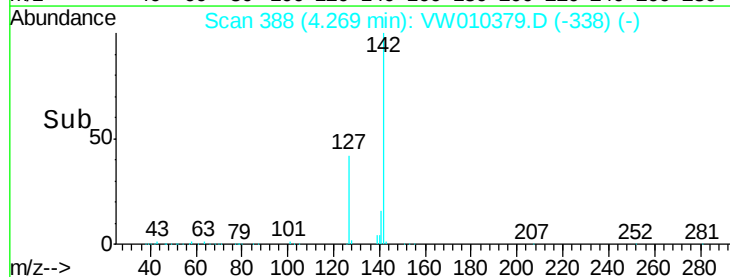
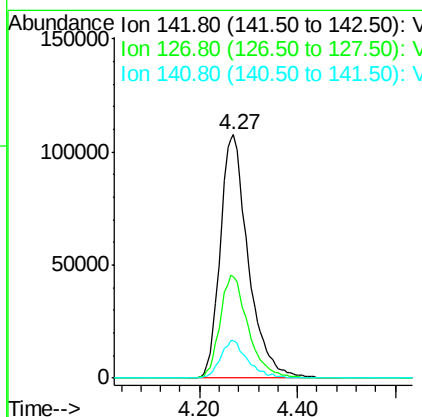
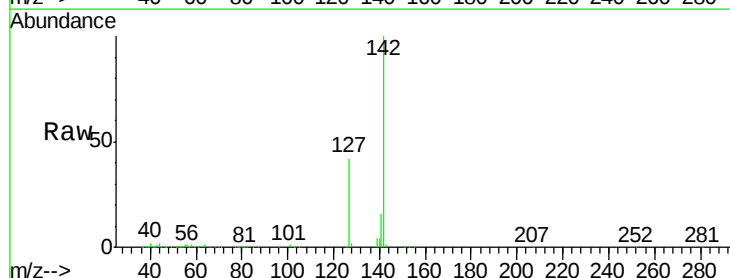
RT: 4.27 min Scan# 388

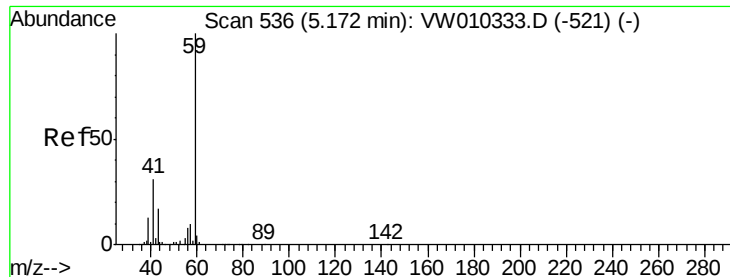
Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion:	142	Resp:	426107
Ion Ratio	Lower	Upper	
142	100		
127	42.5	38.1	57.1
141	15.1	12.2	18.2





#11
Tert butyl alcohol
Concen: 94.658 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

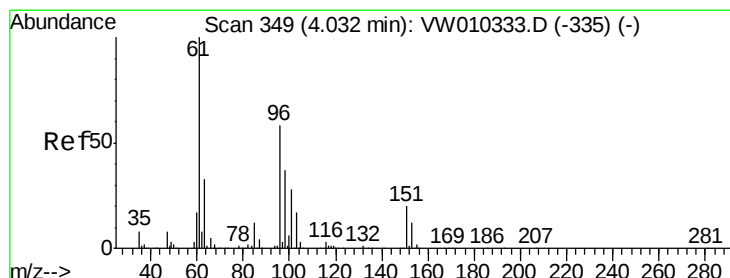
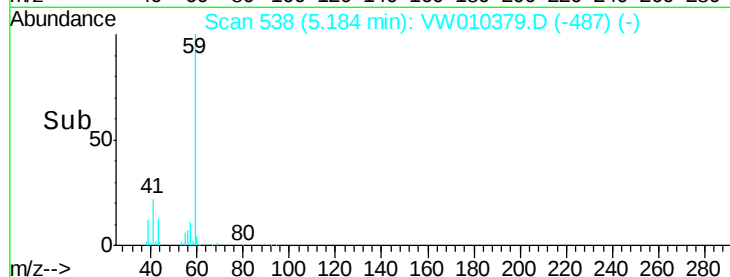
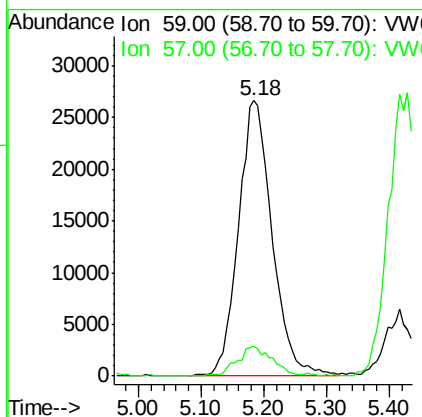
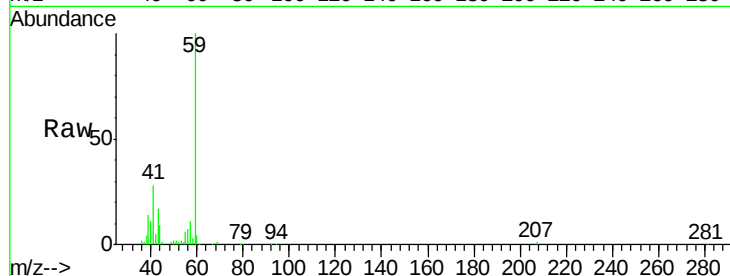
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

Manual Integrations
APPROVED

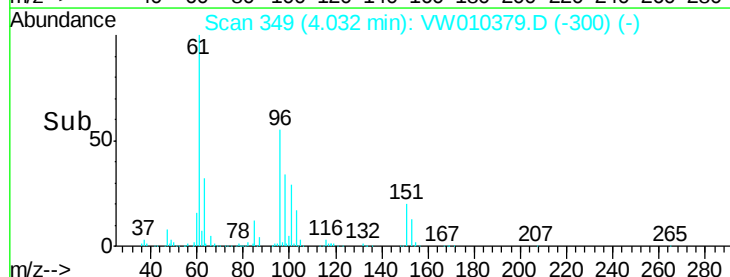
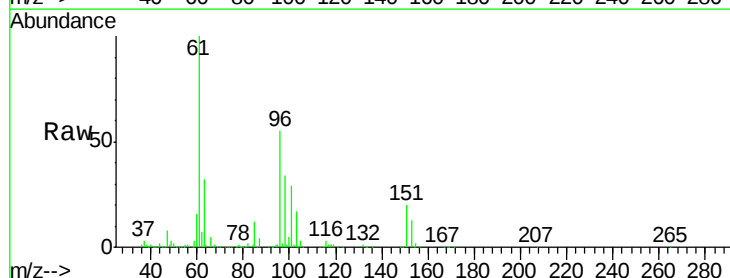
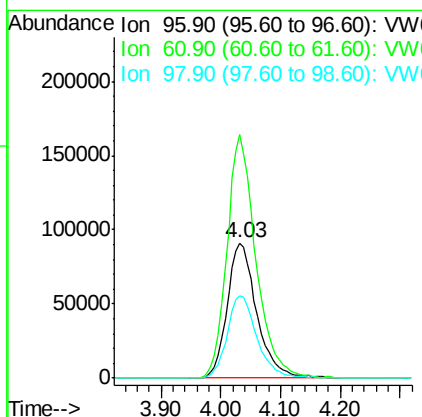
MMDadoda

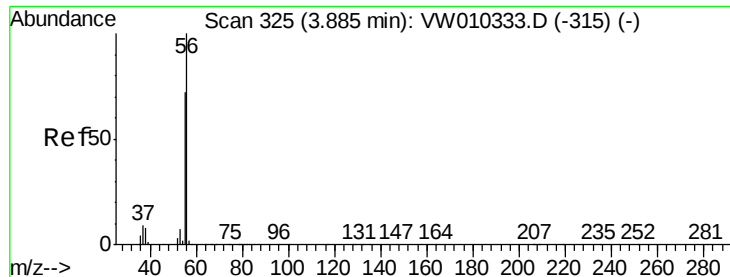
5/13/2019 3:44:09 AM



#12
1,1-Dichloroethene
Concen: 20.486 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.6	147.4	221.2
98	61.4	49.7	74.5





#13

Acrolein

Concen: 79.830 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion: 56 Resp: 110373

Ion Ratio Lower Upper

56 100

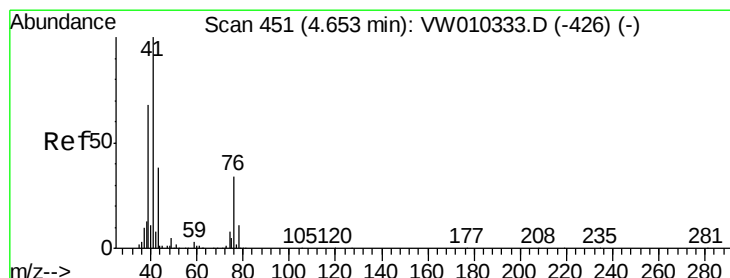
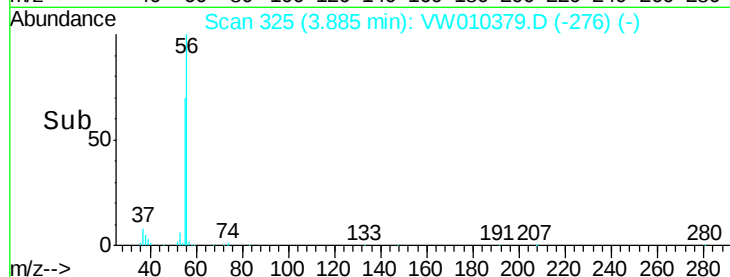
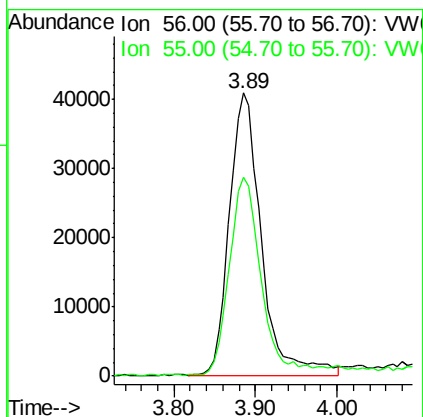
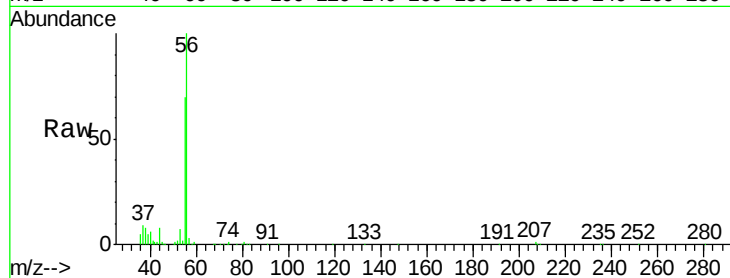
55 70.3 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#14

Allyl chloride

Concen: 20.405 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

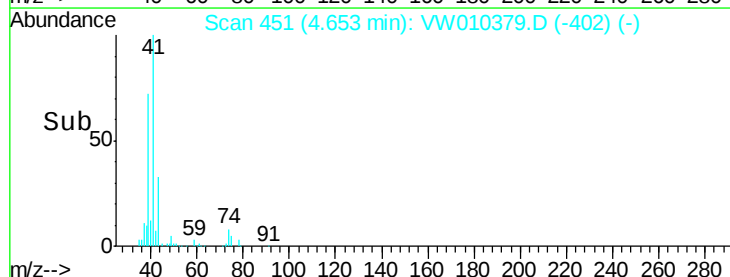
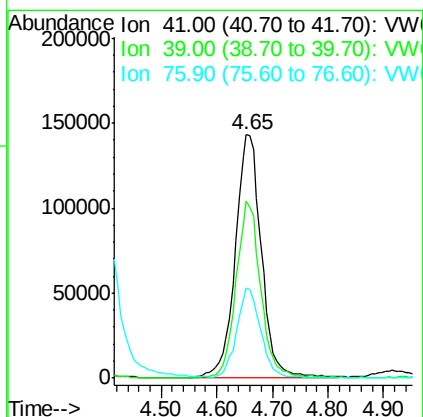
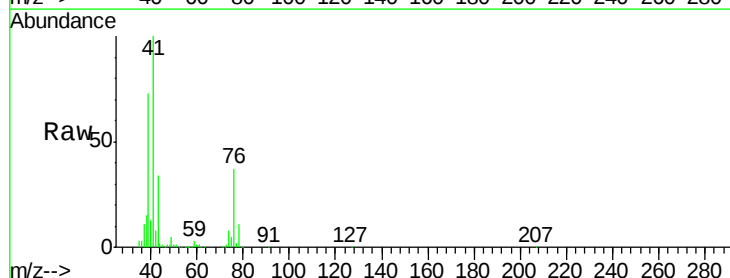
Tgt Ion: 41 Resp: 463257

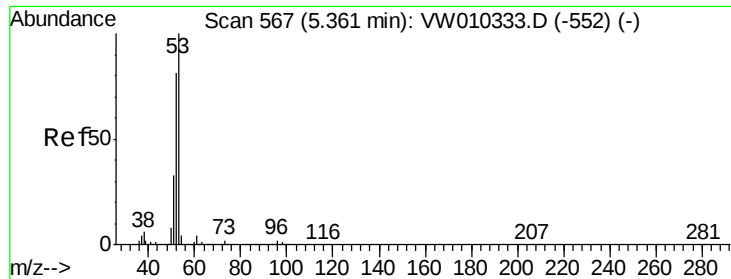
Ion Ratio Lower Upper

41 100

39 68.1 60.2 90.4

76 34.1 25.0 37.6





#15

Acrylonitrile

Concen: 93.501 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

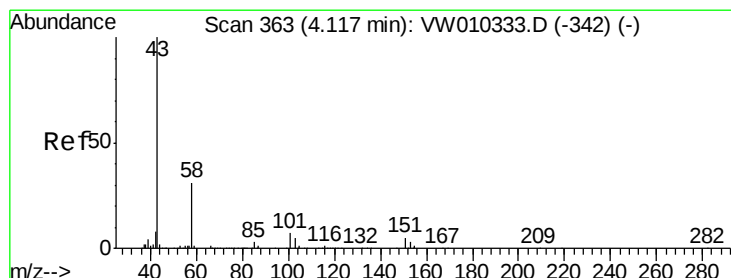
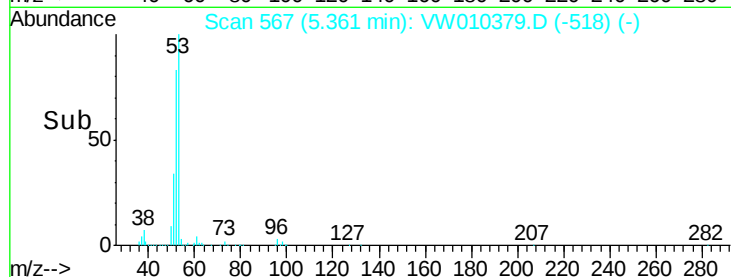
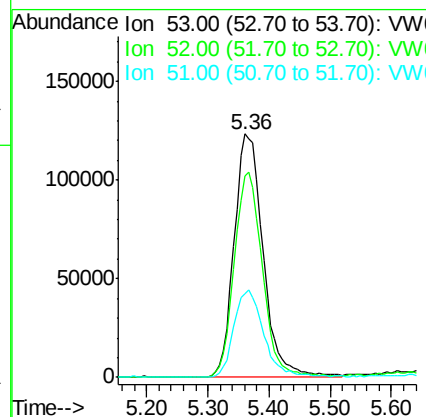
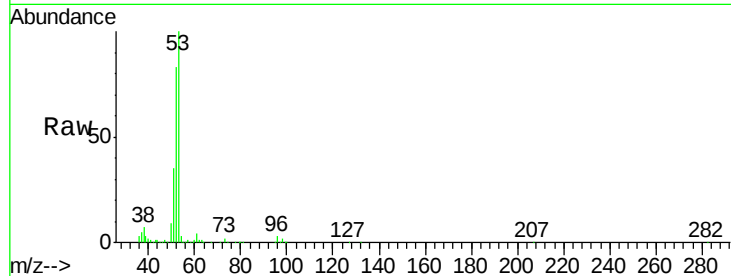
VW0511SBSD01

Tot Ion:	53	Resp:	404704
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.6	100.0
51	36.9	30.3	45.5

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#16

Acetone

Concen: 94.223 ug/l

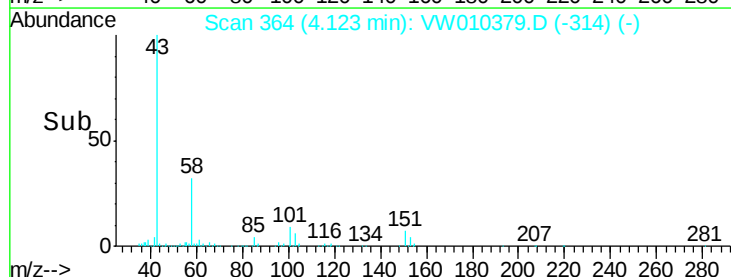
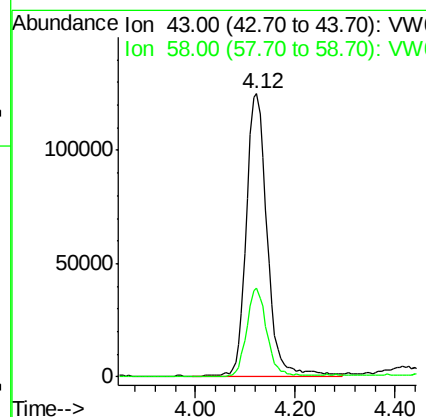
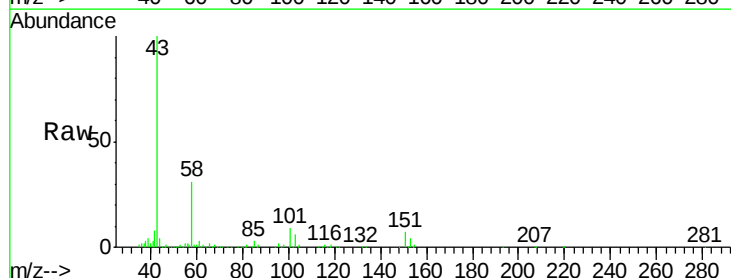
RT: 4.12 min Scan# 364

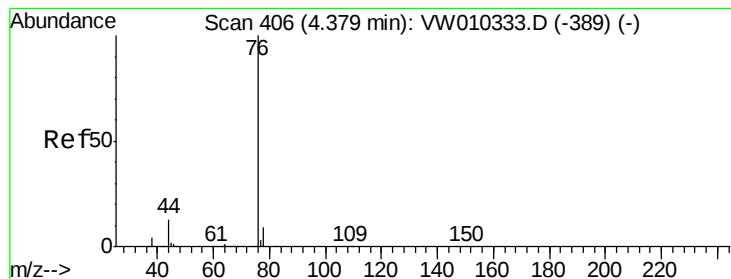
Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion:	43	Resp:	364243
Ion Ratio	Lower	Upper	
43	100		
58	31.4	22.7	34.1





#17

Carbon Disulfide

Concen: 19.448 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion: 76 Resp: 894595

Ion Ratio Lower Upper

76 100

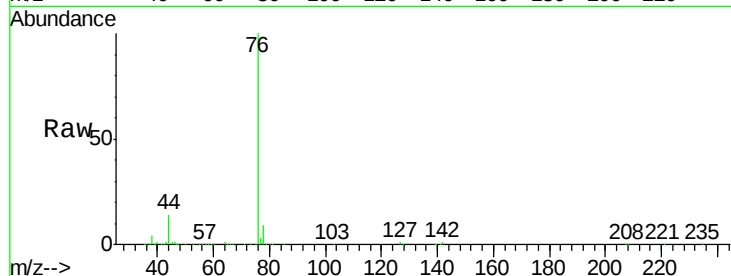
78 8.7 7.4 11.2

Manual Integrations

APPROVED

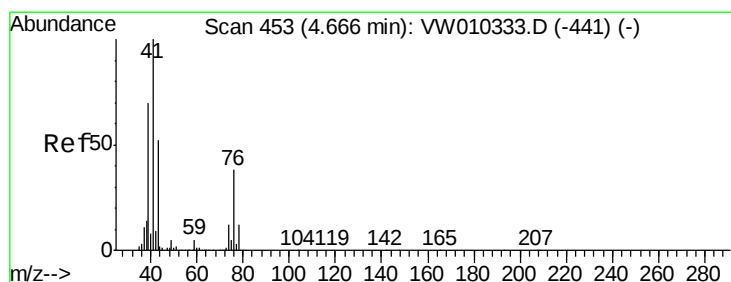
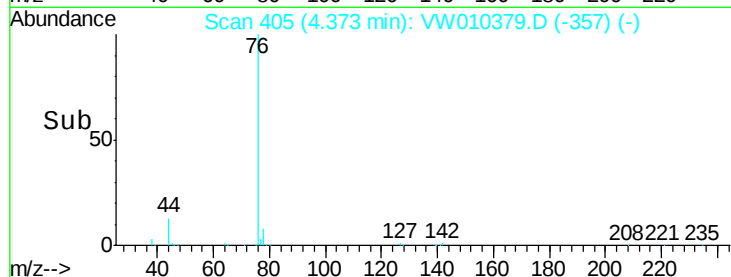
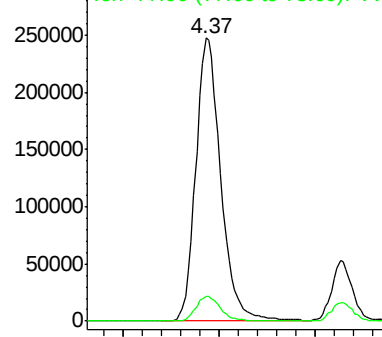
MMDadoda

5/13/2019 3:44:09 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.108 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010379.D

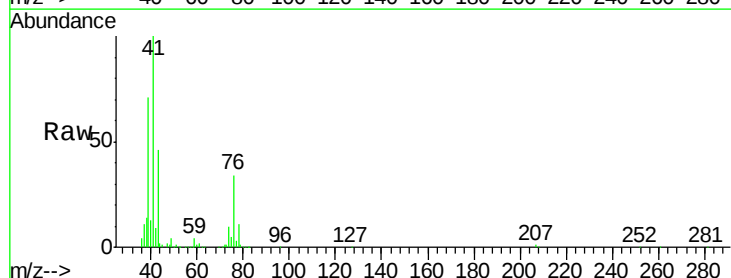
Acq: 11 May 2019 14:16

Tgt Ion: 43 Resp: 182961

Ion Ratio Lower Upper

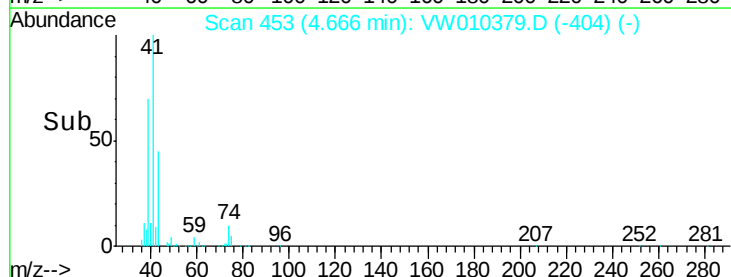
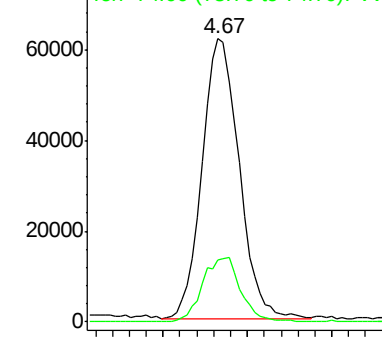
43 100

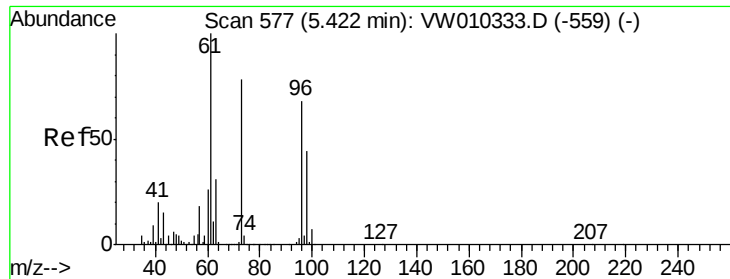
74 23.6 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19
Methvl tert-butvl Ether
Concen: 22.935 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

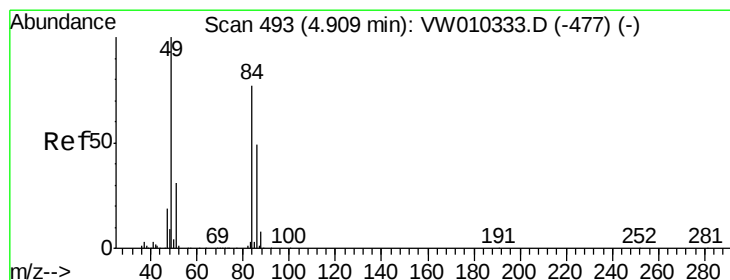
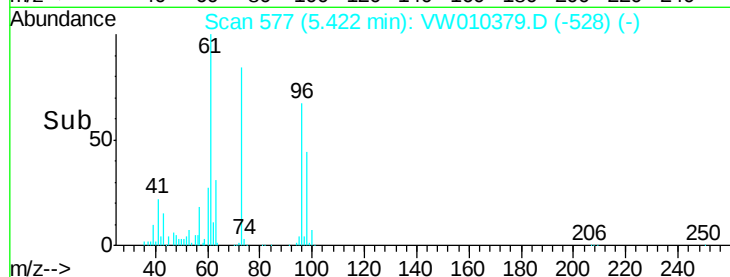
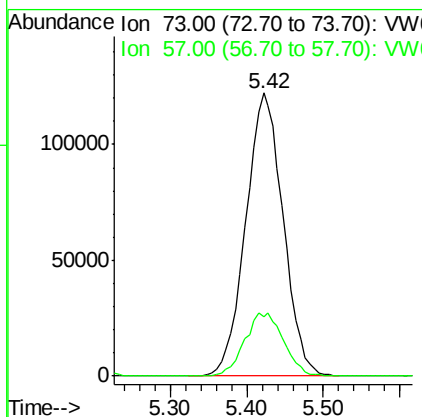
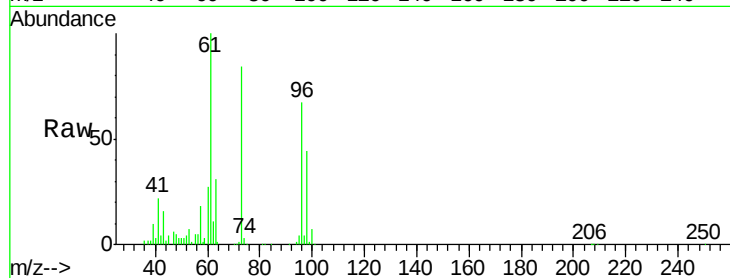
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion: 73 Resp: 415254
Ion Ratio Lower Upper
73 100
57 21.0 18.5 27.7

Manual Integrations
APPROVED

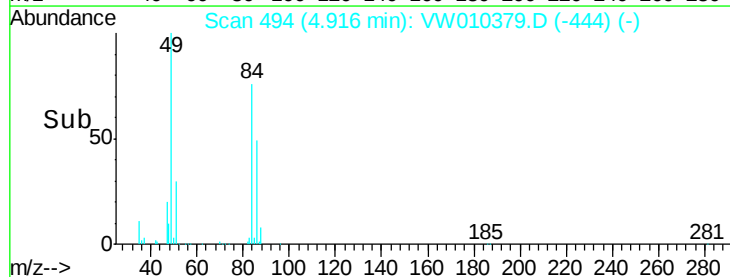
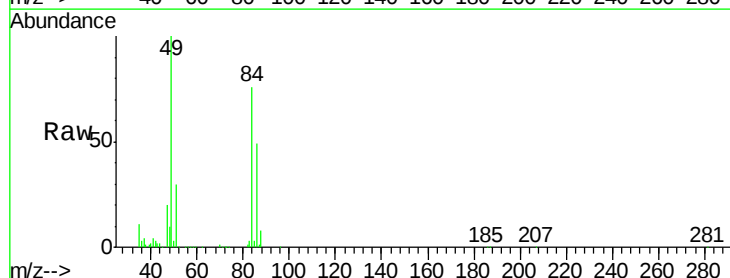
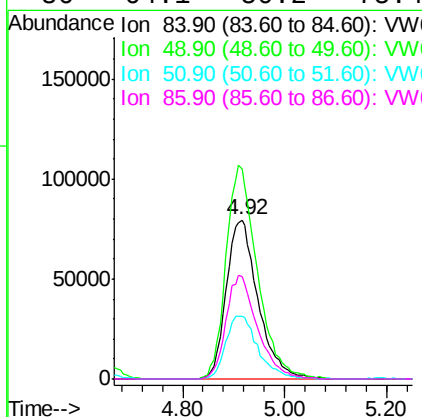
MMDadoda

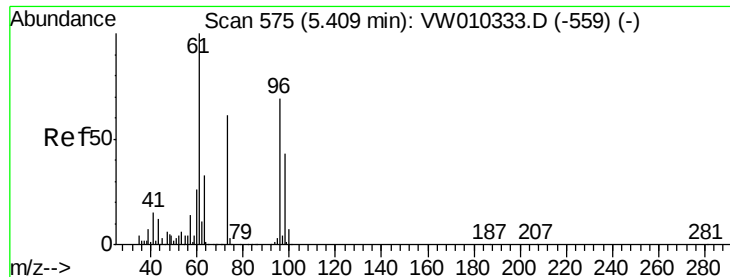
5/13/2019 3:44:09 AM



#20
Methylene Chloride
Concen: 21.327 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 84 Resp: 343875
Ion Ratio Lower Upper
84 100
49 131.8 112.3 168.5
51 39.5 33.9 50.9
86 64.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.673 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

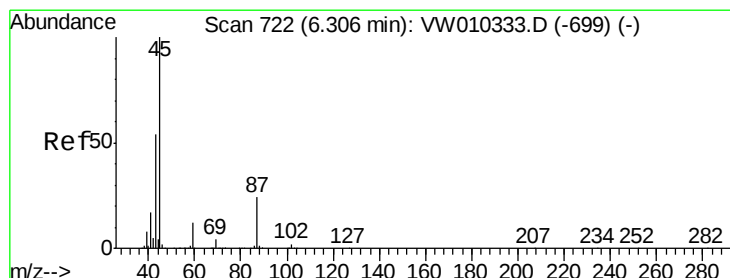
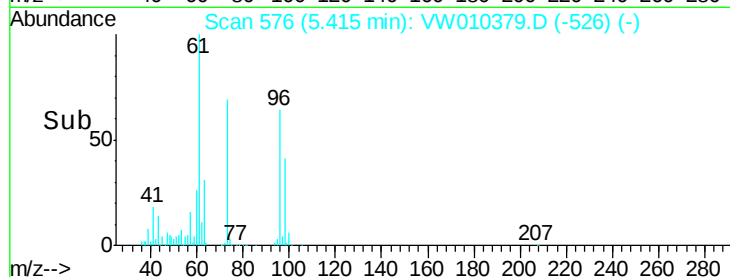
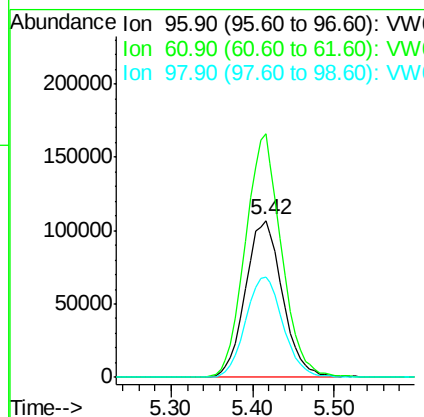
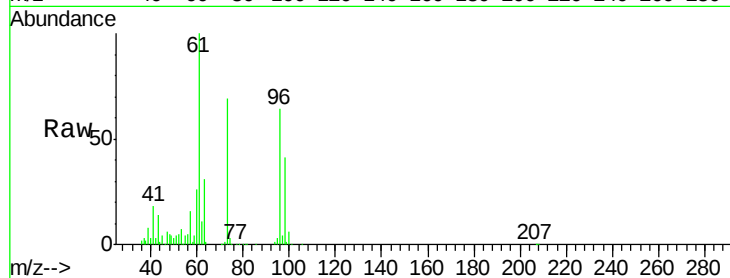
VW0511SBSD01

Tot Ion:	96	Resp:	338456
Ion Ratio	Lower	Upper	
96	100		
61	155.4	122.3	183.5
98	63.7	50.5	75.7

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#22

Diisopropyl ether

Concen: 24.271 ug/l

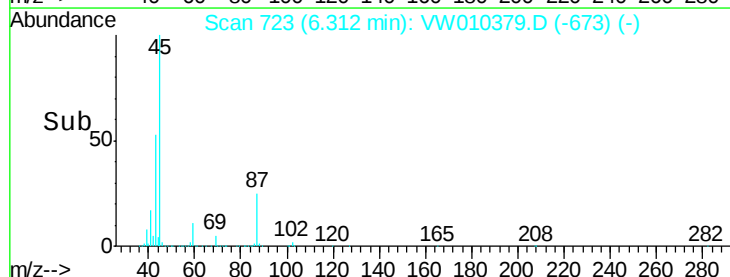
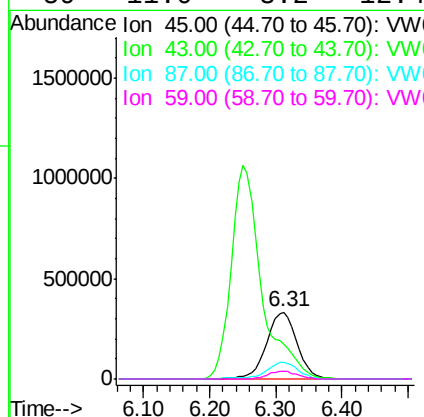
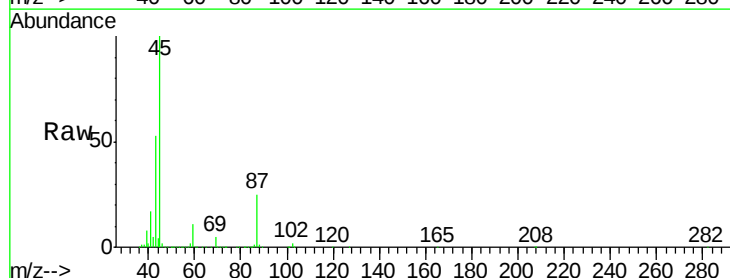
RT: 6.31 min Scan# 723

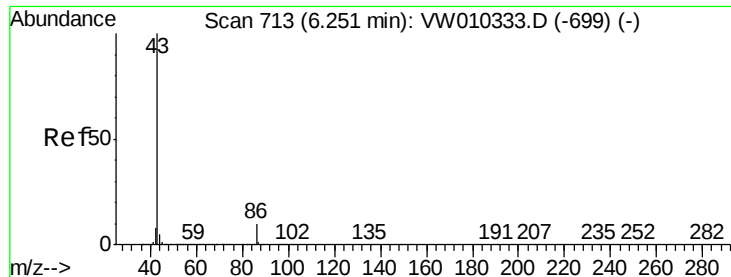
Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion:	45	Resp:	1069422
Ion Ratio	Lower	Upper	
45	100		
43	52.5	46.1	69.1
87	24.8	18.3	27.5
59	11.0	8.2	12.4





#23

Vinyl Acetate

Concen: 112.387 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion: 43 Resp: 3400282

Ion Ratio Lower Upper

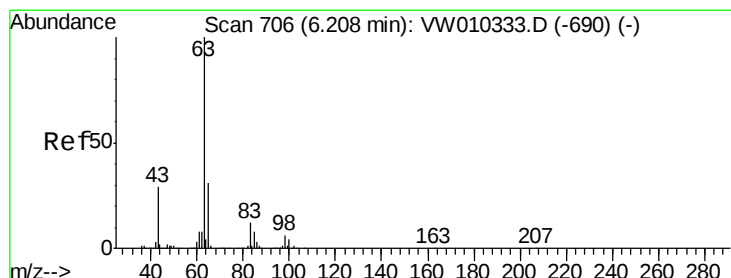
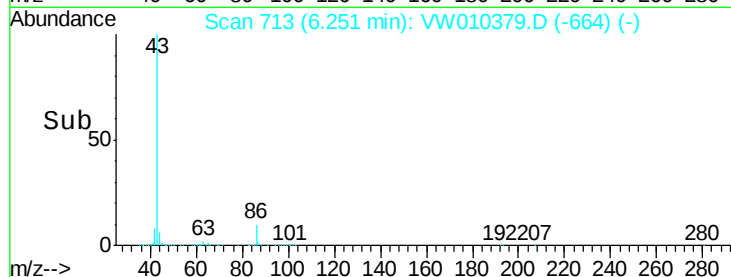
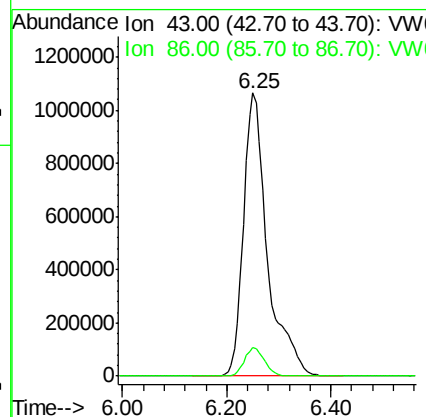
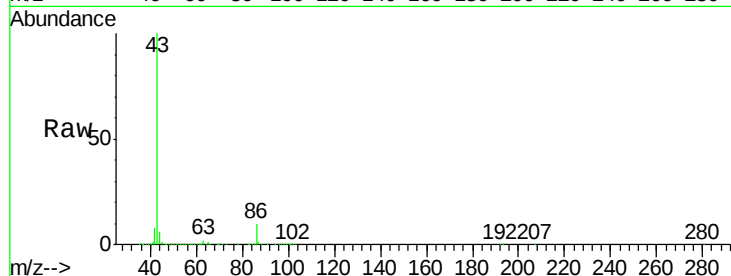
43 100

86 9.9 7.0 10.6

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#24

1,1-Dichloroethane

Concen: 21.819 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

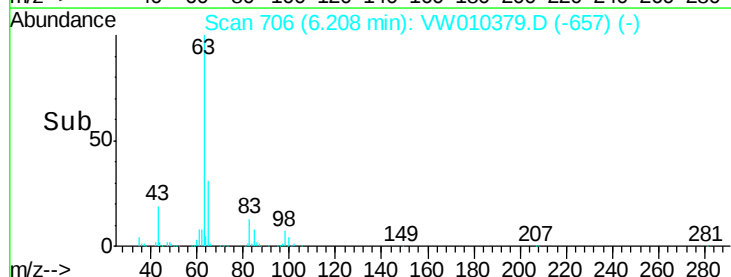
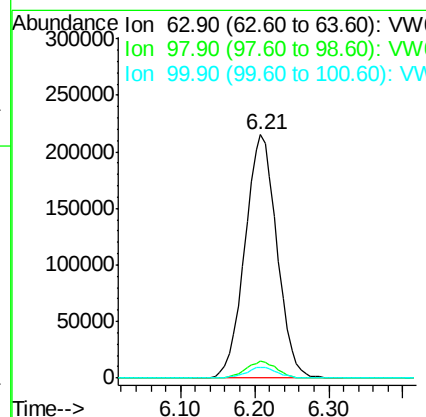
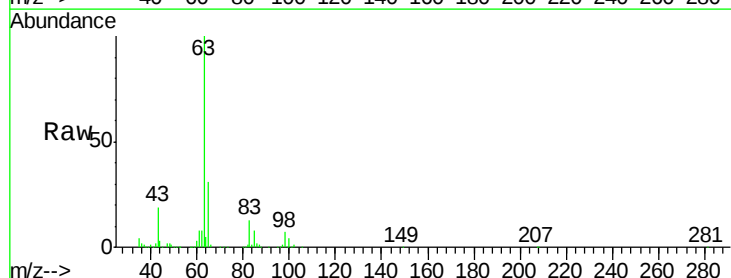
Tgt Ion: 63 Resp: 647267

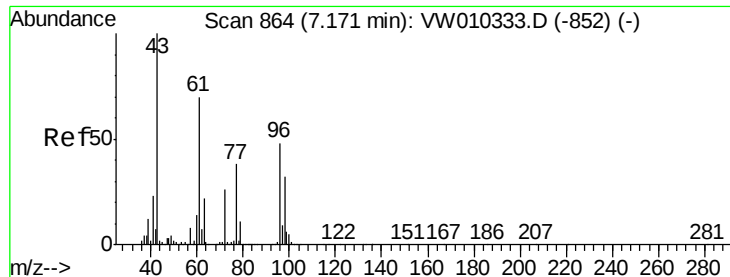
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 94.796 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion: 43 Resp: 560604

Ion Ratio Lower Upper

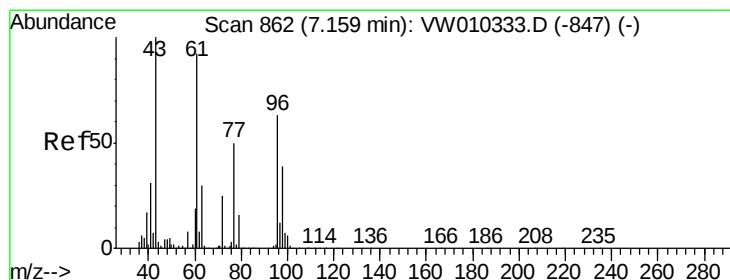
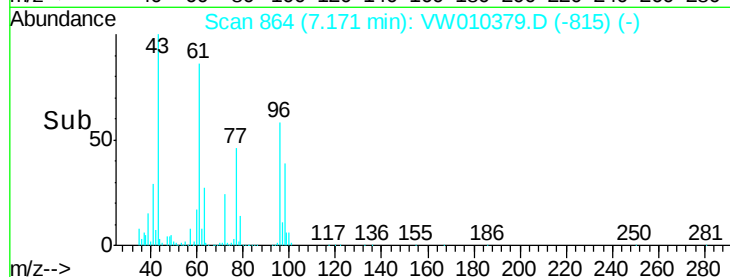
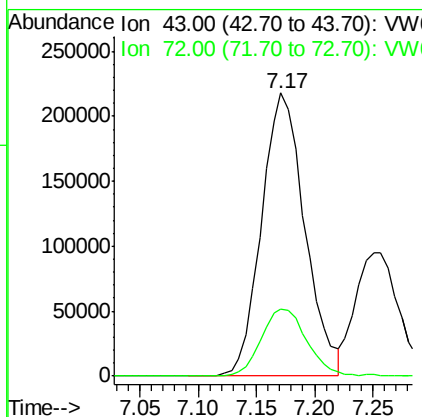
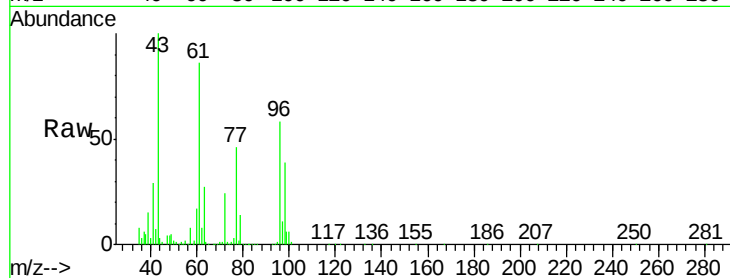
43 100

72 23.6 19.1 28.7

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#26

2,2-Dichloropropane

Concen: 21.622 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010379.D

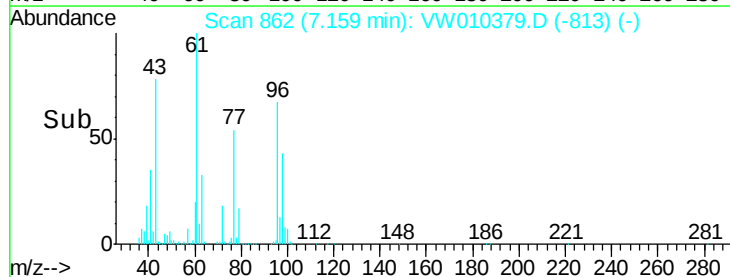
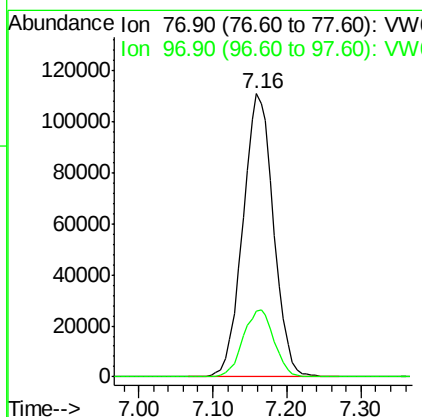
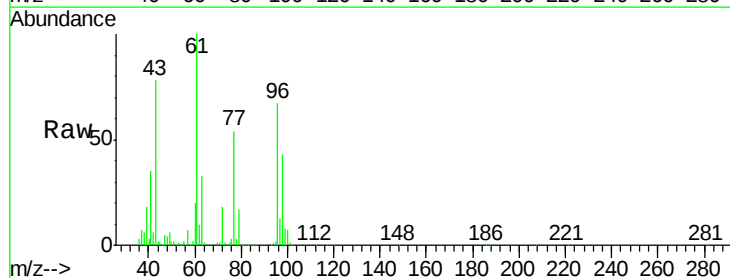
Acq: 11 May 2019 14:16

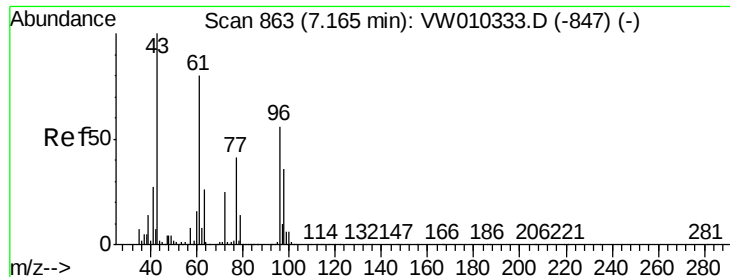
Tgt Ion: 77 Resp: 319139

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9





#27
 cis-1,2-Dichloroethene
 Concen: 21.810 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

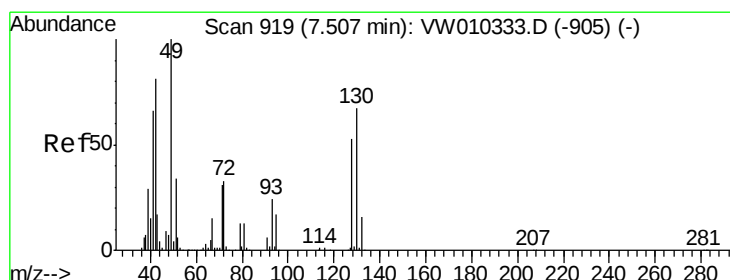
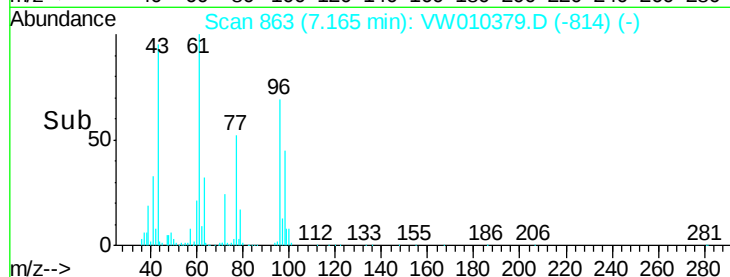
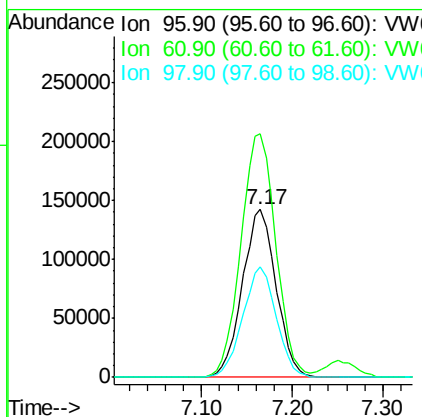
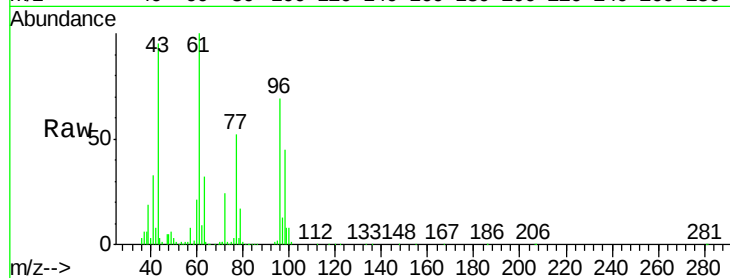
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	309.4
98	65.4	0.0	128.6

Manual Integrations
 APPROVED

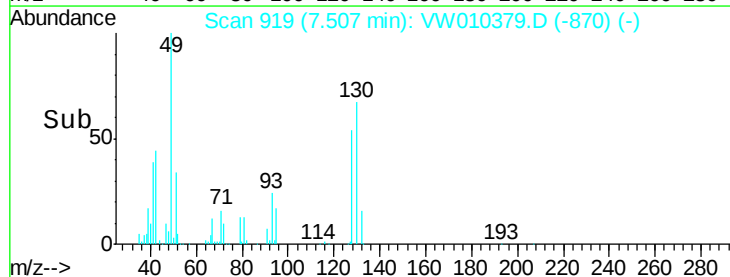
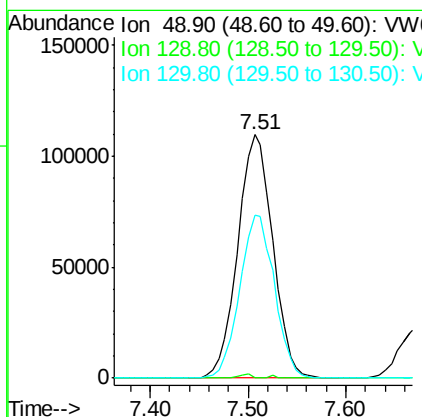
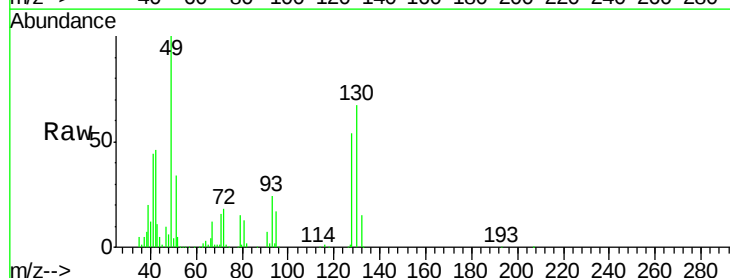
MMDadoda

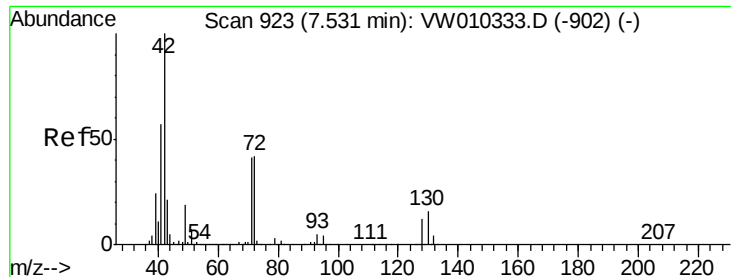
5/13/2019 3:44:09 AM



#28
 Bromochloromethane
 Concen: 24.892 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.8
130	66.4	54.6	82.0





#29
Tetrahydrofuran
Concen: 94.928 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

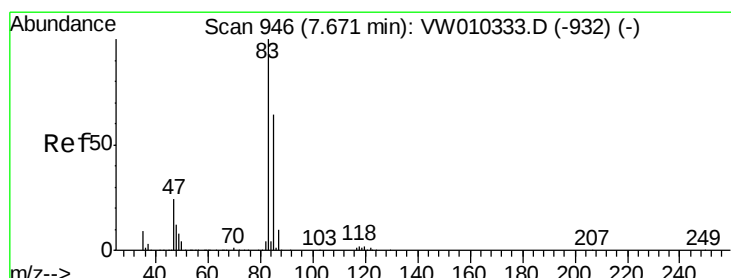
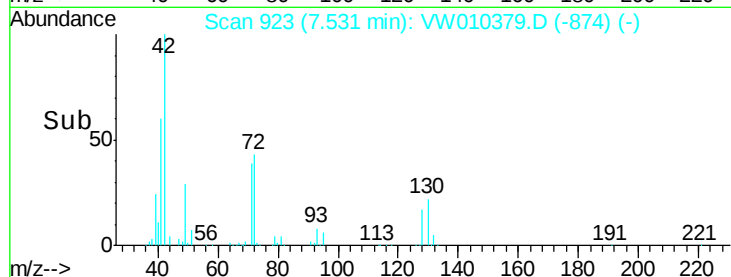
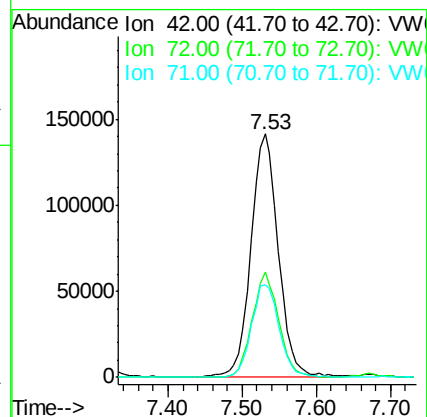
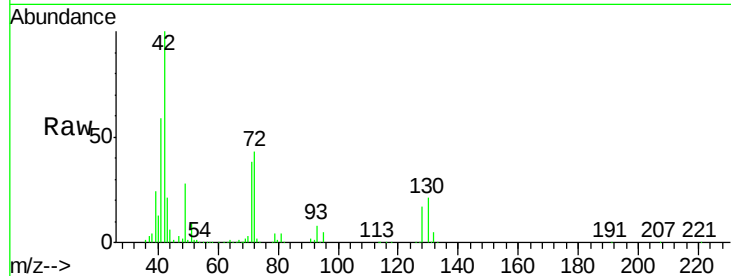
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	31.0	46.6
71	39.0	29.7	44.5

Manual Integrations
APPROVED

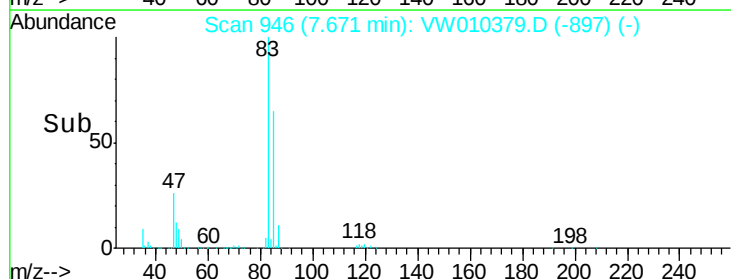
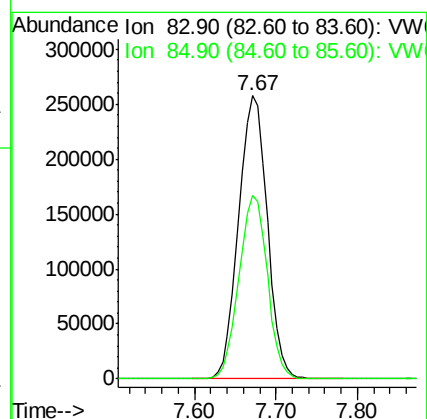
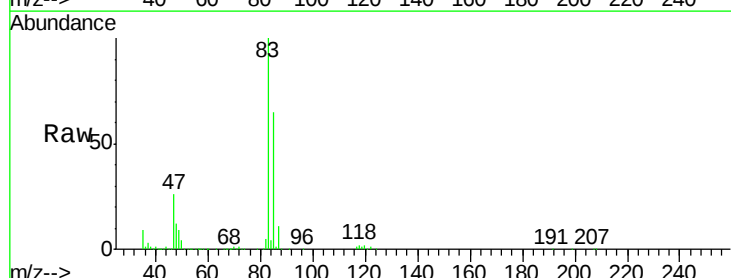
MMDadoda

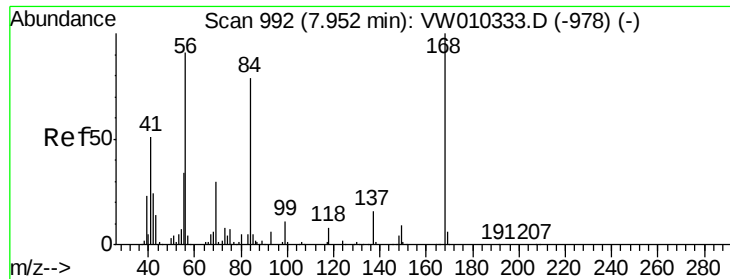
5/13/2019 3:44:09 AM



#30
Chloroform
Concen: 22.542 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1





#31
Cyclohexane
Concen: 20.484 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

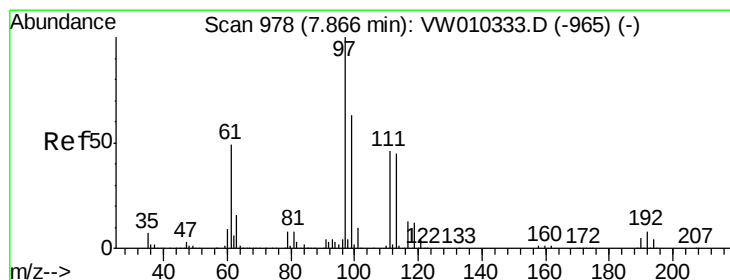
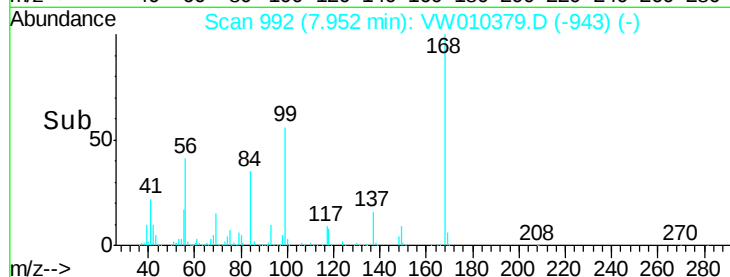
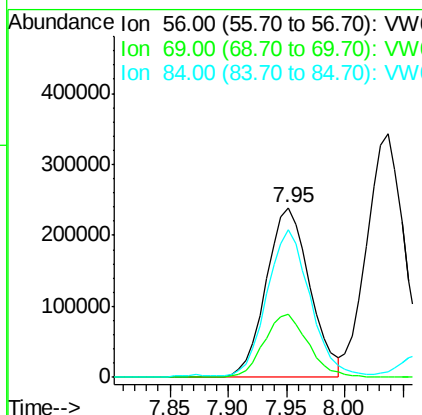
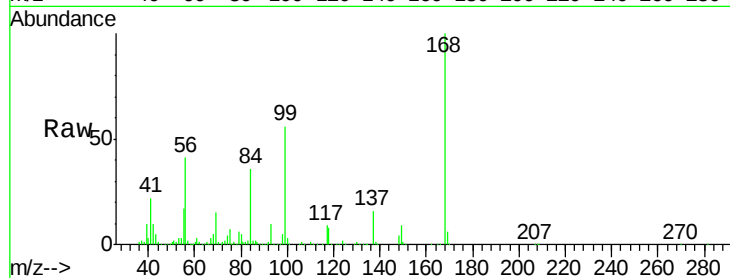
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.6	40.0
84	85.8	66.2	99.2

Manual Integrations
APPROVED

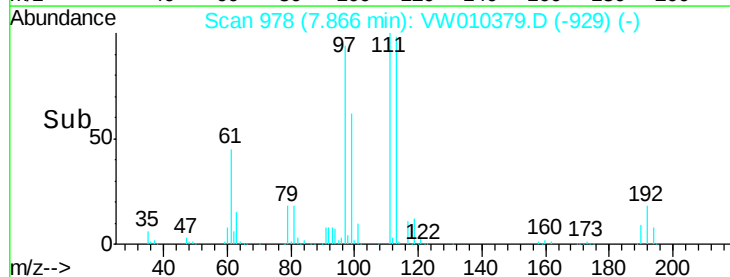
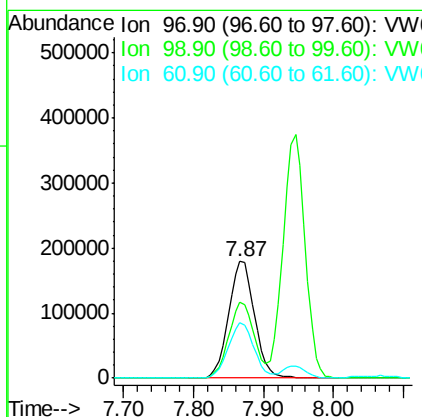
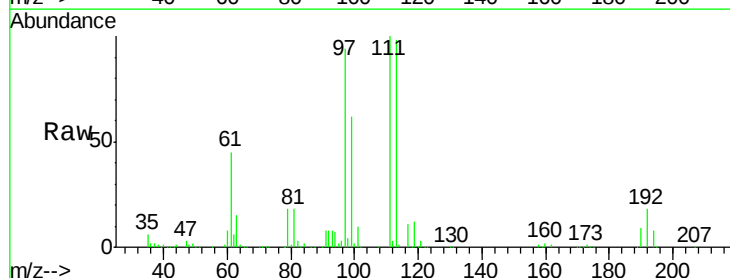
MMDadoda

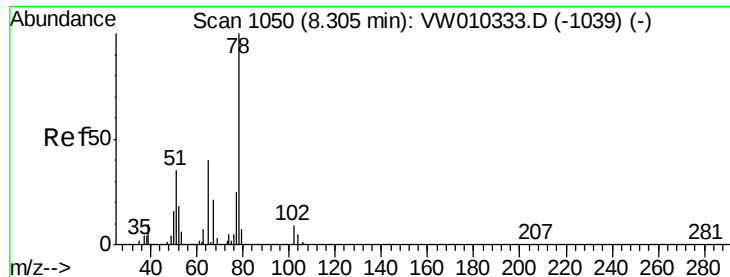
5/13/2019 3:44:09 AM



#32
1,1,1-Trichloroethane
Concen: 21.455 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.2	75.2
61	47.4	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 52.601 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion: 65 Resp: 779999

Ion Ratio Lower Upper

65 100

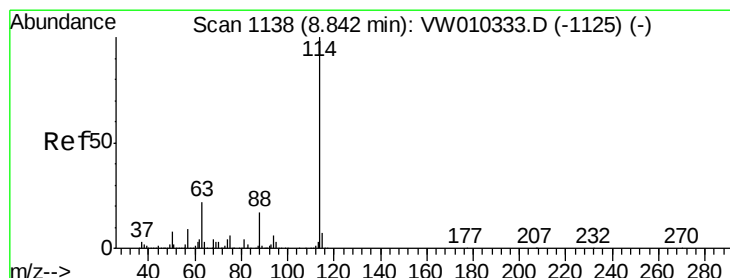
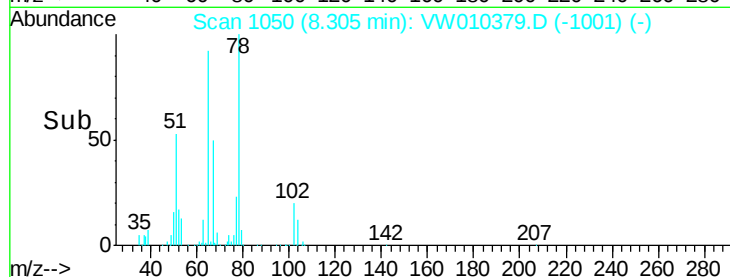
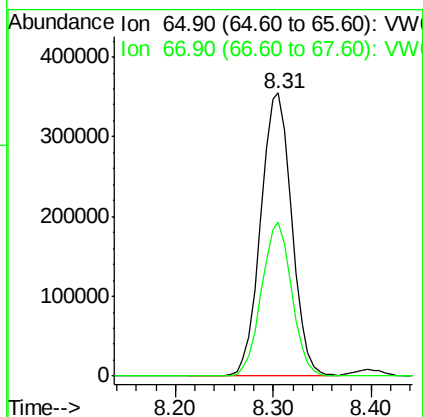
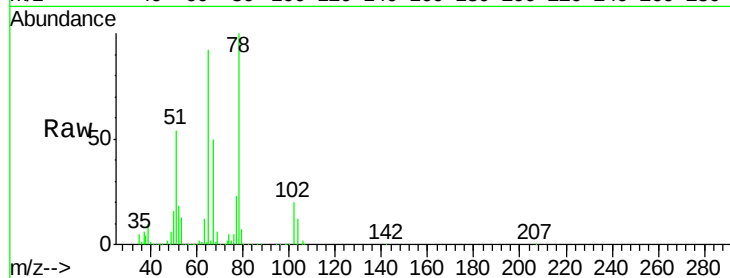
67 52.9 0.0 100.8

Manual Integrations

APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

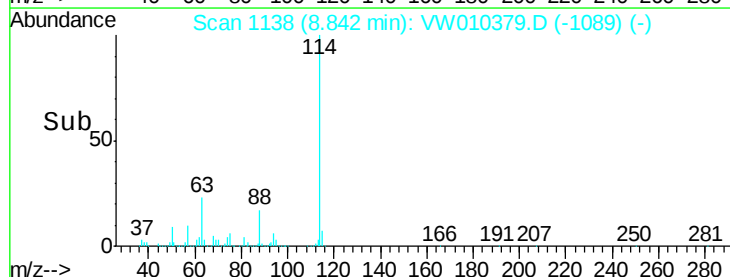
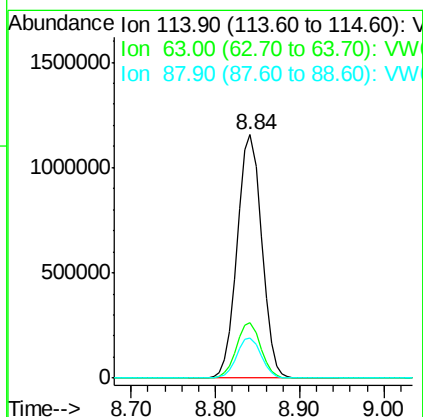
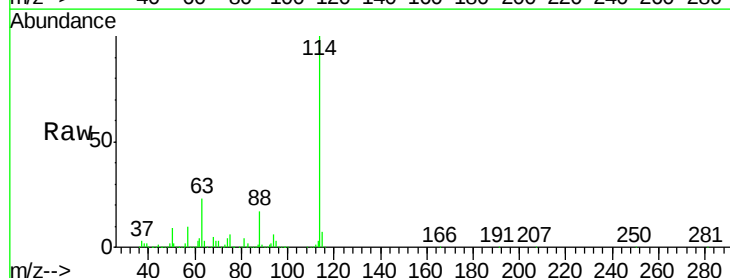
Tgt Ion: 114 Resp: 2258776

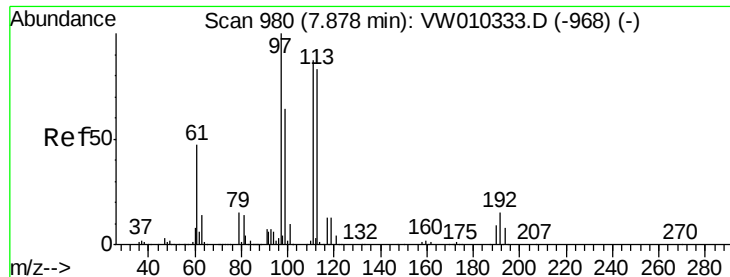
Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.6 0.0 32.6





#35
 Dibromofluoromethane
 Concen: 51.608 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

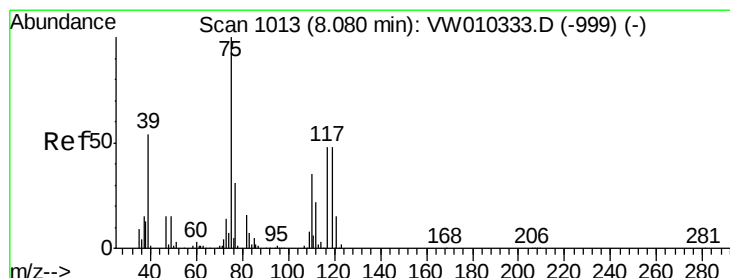
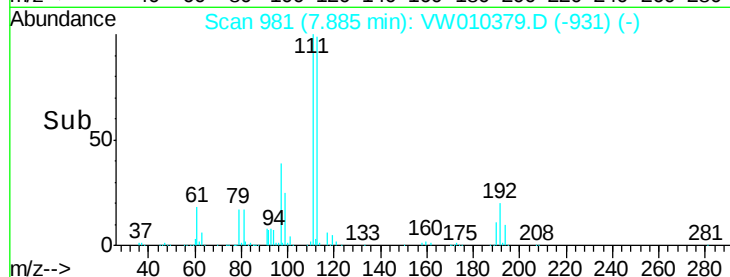
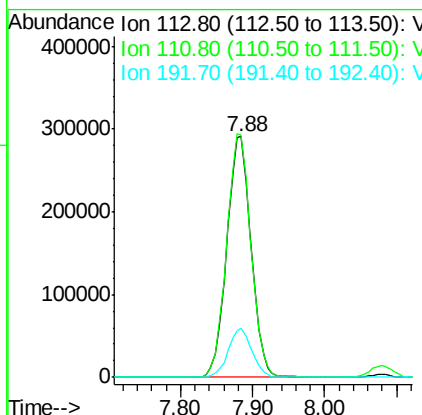
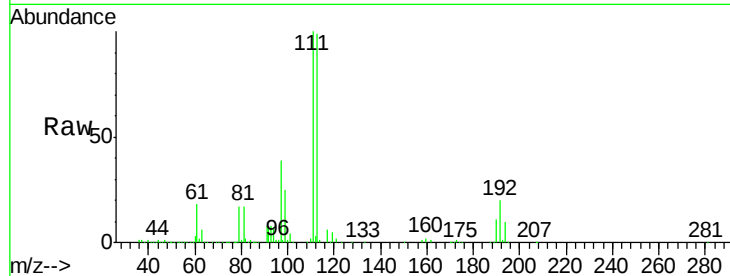
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	82.6	123.8	
192	19.9	15.4	23.2	

Manual Integrations
 APPROVED

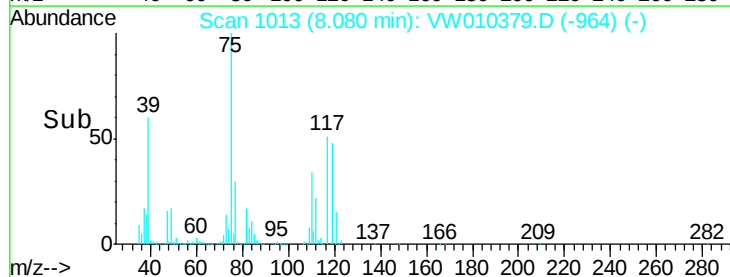
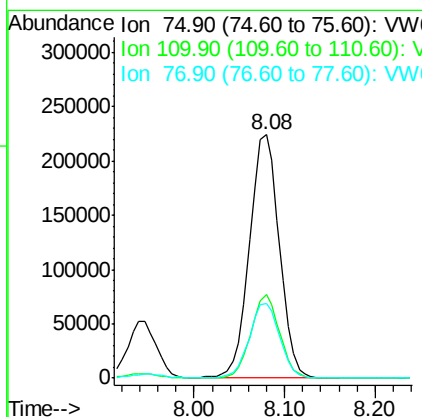
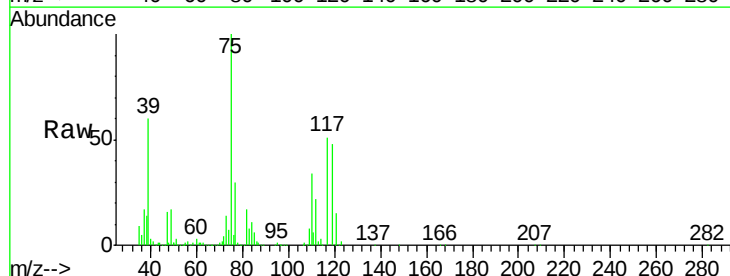
MMDadoda

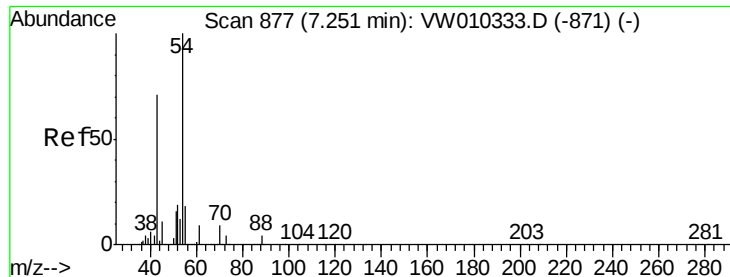
5/13/2019 3:44:09 AM



#36
 1,1-Dichloropropene
 Concen: 20.854 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.9	16.6	49.8	
77	31.3	24.8	37.2	





#37
Ethyl Acetate
Concen: 19.301 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

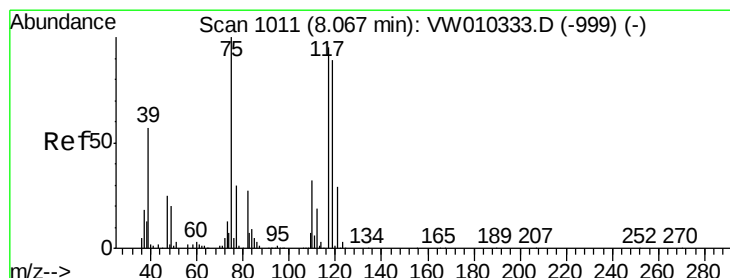
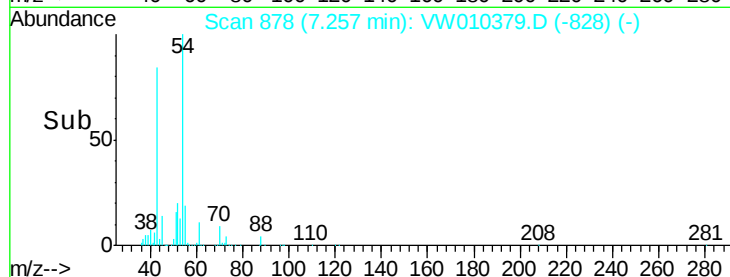
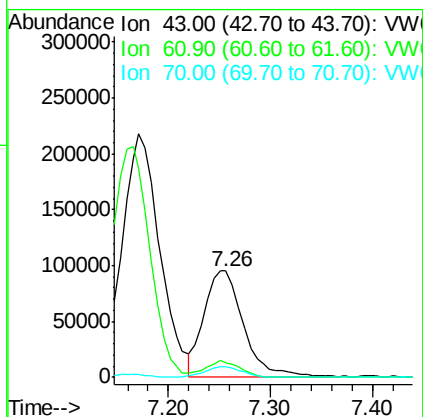
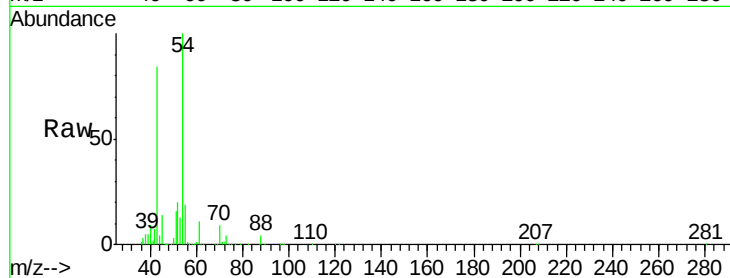
Instrument :
MSVOA_W
ClientSampleID :
VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.8	14.8
70	10.1	7.4	11.0

Manual Integrations
APPROVED

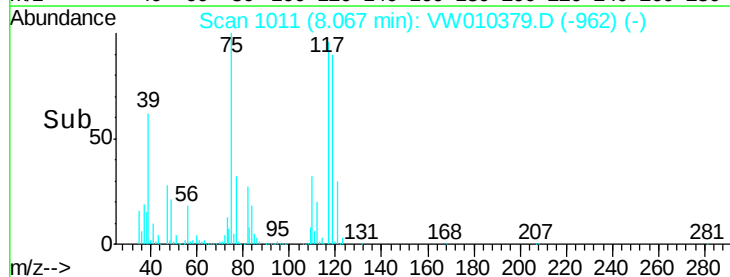
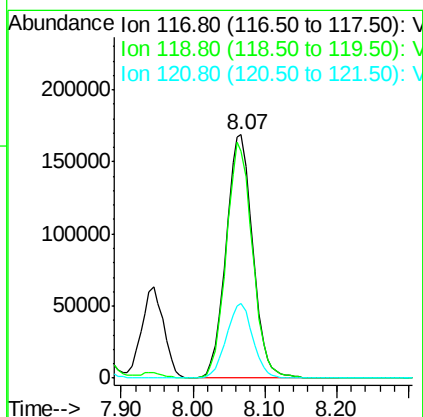
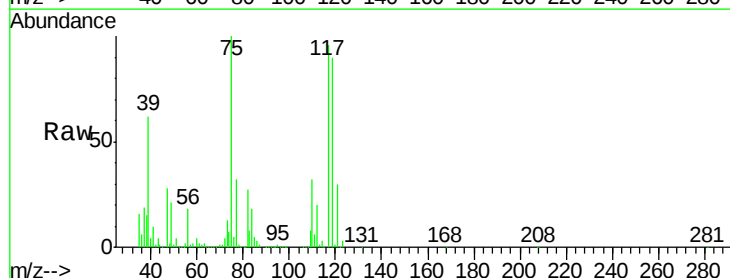
MMDadoda

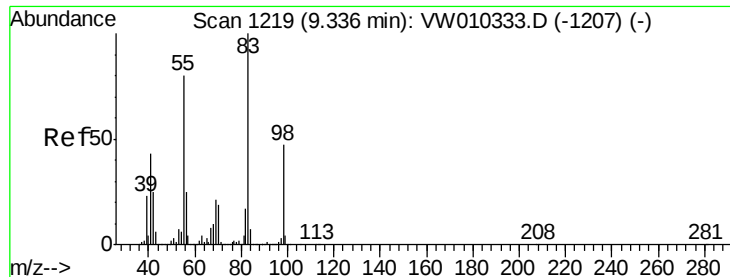
5/13/2019 3:44:09 AM



#38
Carbon Tetrachloride
Concen: 20.735 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.3	112.9
121	30.7	24.4	36.6





#39
Methylcyclohexane
Concen: 20.366 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

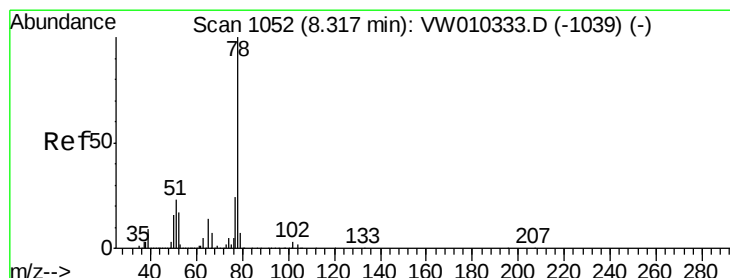
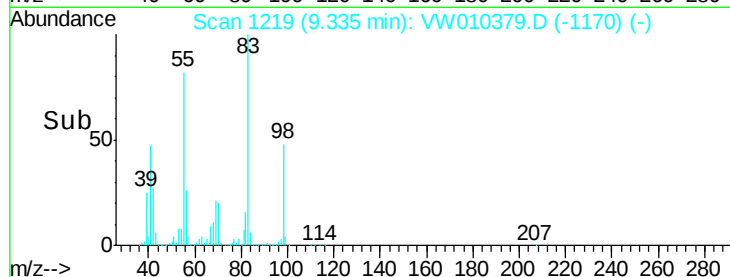
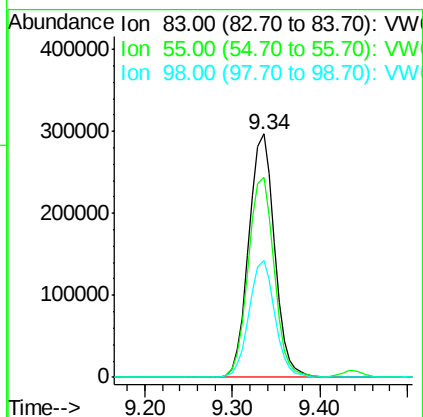
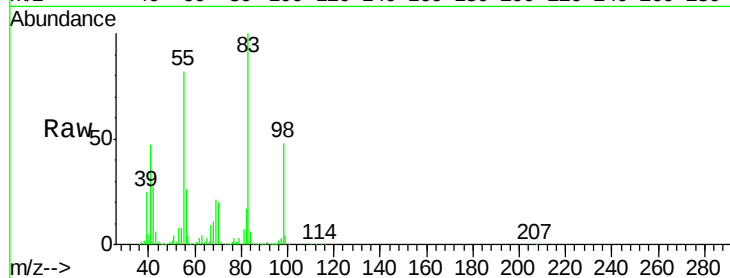
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	67.1	100.7
98	48.1	39.2	58.8

Manual Integrations
APPROVED

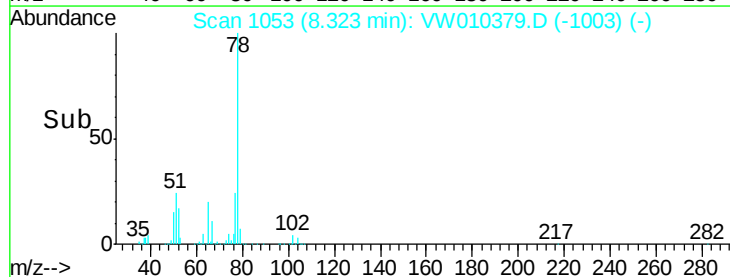
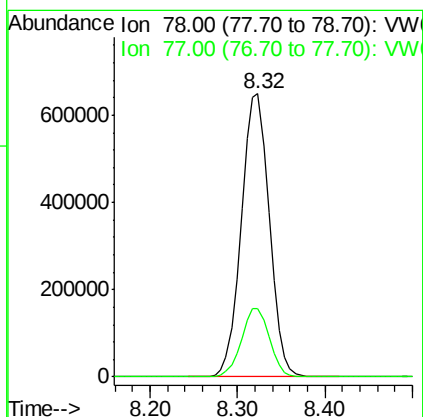
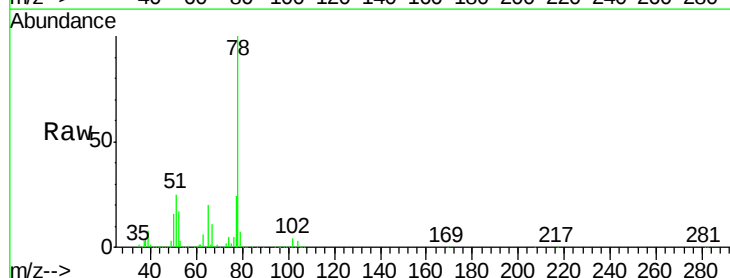
MMDadoda

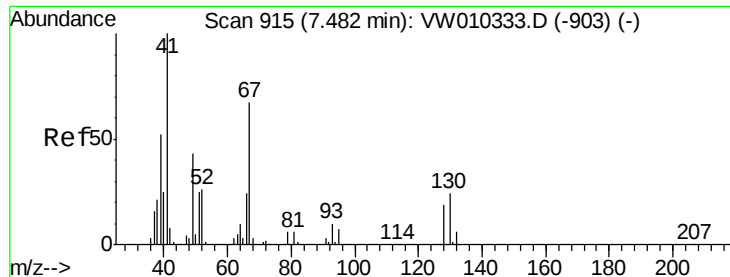
5/13/2019 3:44:09 AM



#40
Benzene
Concen: 21.487 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7





#41

Methacrylonitrile

Concen: 19.267 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		140897		
39	57.7	45.0	67.4		
67	70.6	50.7	76.1		
52	29.2	22.6	33.8		

Instrument :

MSVOA_W

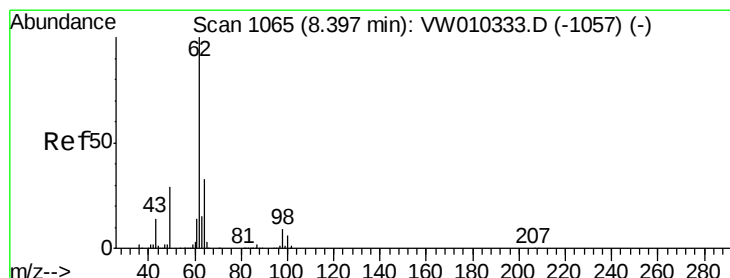
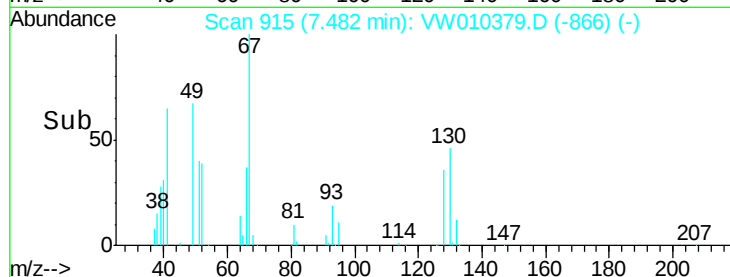
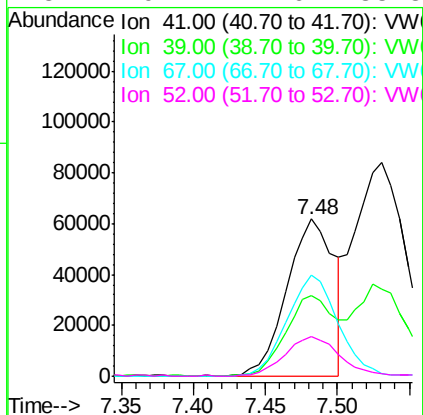
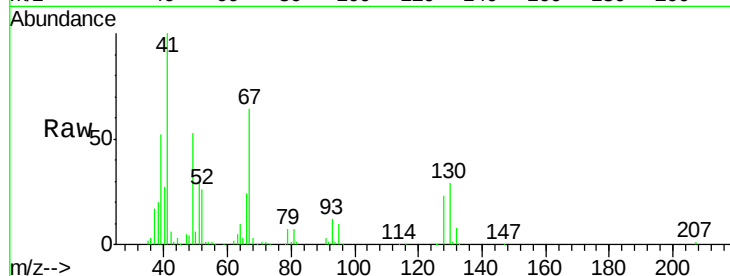
ClientSampleId :

VW0511SBSD01

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#42

1,2-Dichloroethane

Concen: 22.592 ug/l

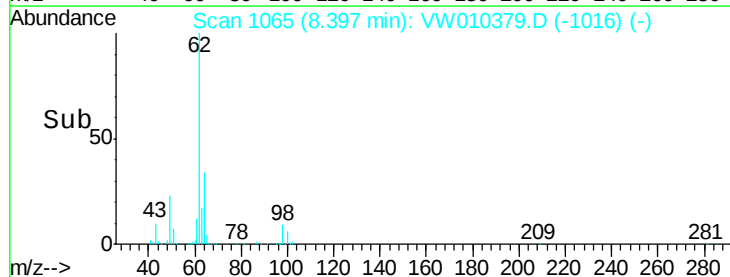
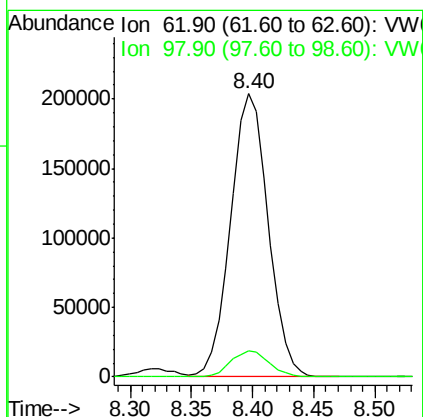
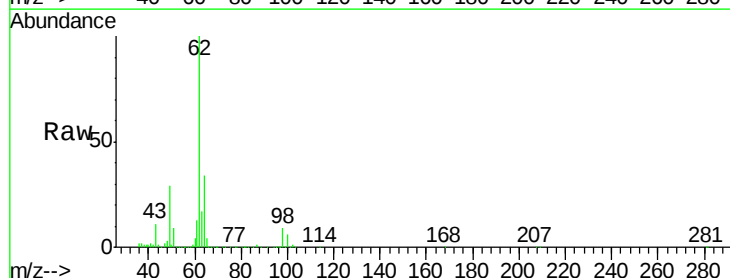
RT: 8.40 min Scan# 1065

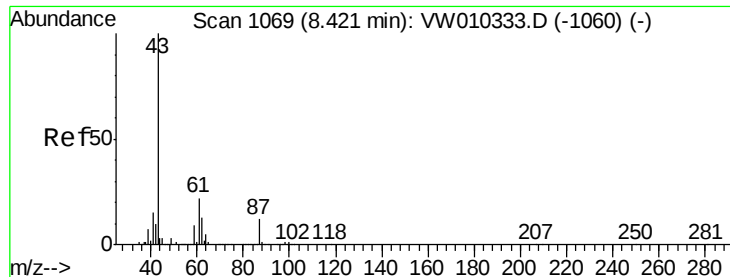
Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		433740		
98	9.4	0.0	16.6		





#43

Isopropyl Acetate

Concen: 20.684 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

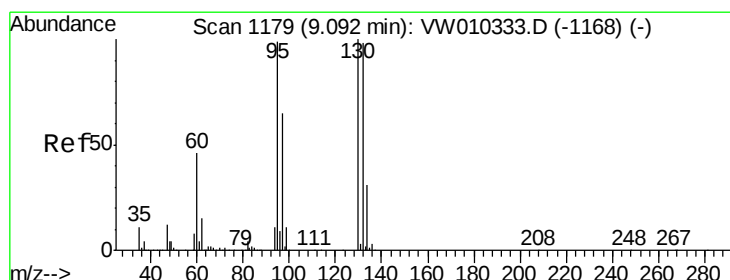
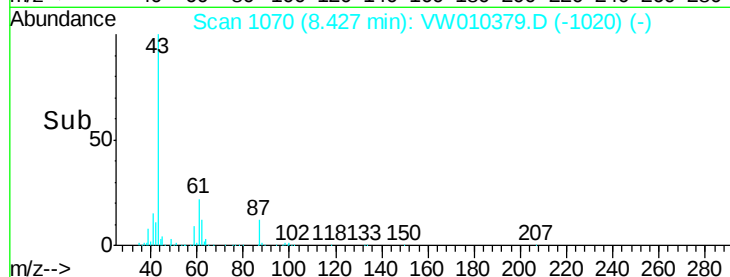
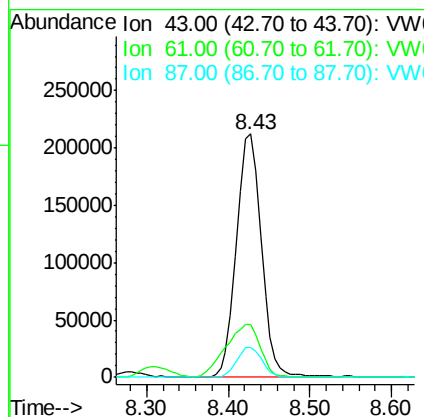
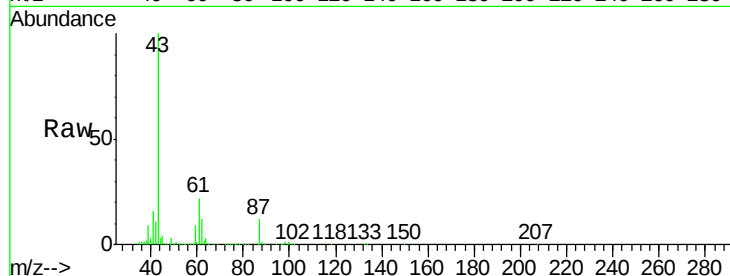
VW0511SBSD01

Tot Ion:	43	Resp:	447320
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.0	34.6
87	12.3	9.3	13.9

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#44

Trichloroethene

Concen: 20.969 ug/l

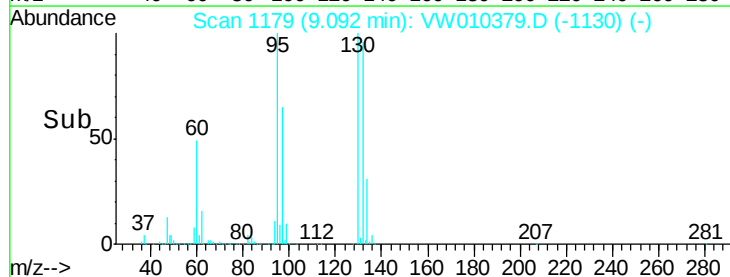
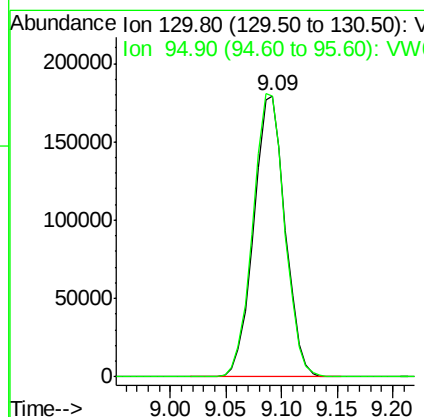
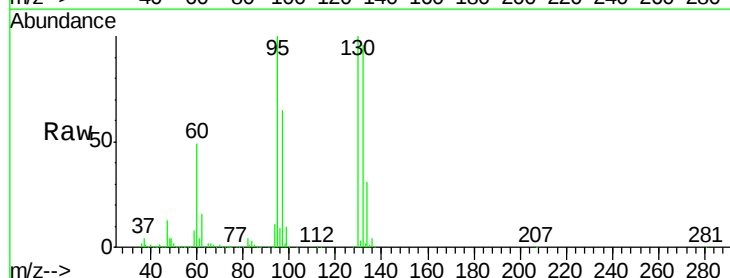
RT: 9.09 min Scan# 1179

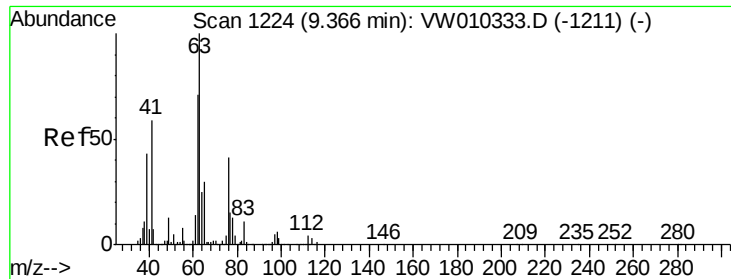
Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion:	130	Resp:	352104
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	205.4





#45
 1,2-Dichloropropane
 Concen: 22.661 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

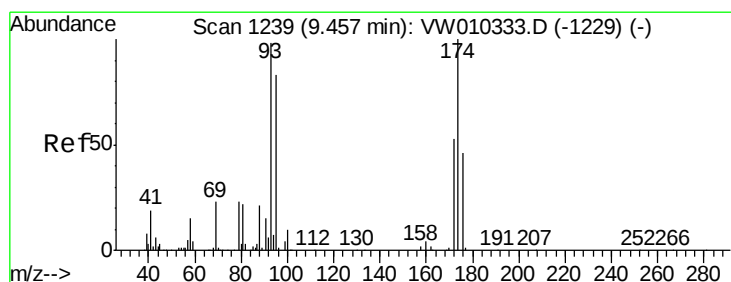
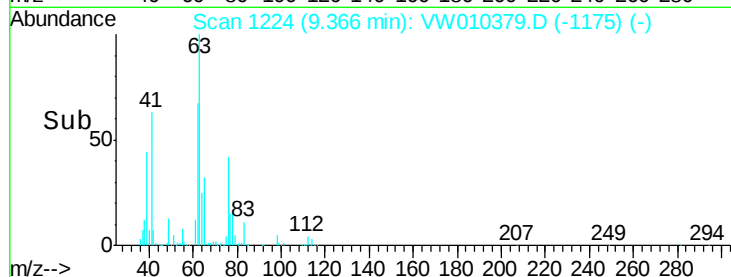
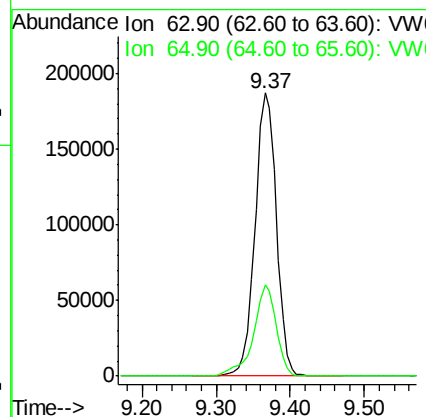
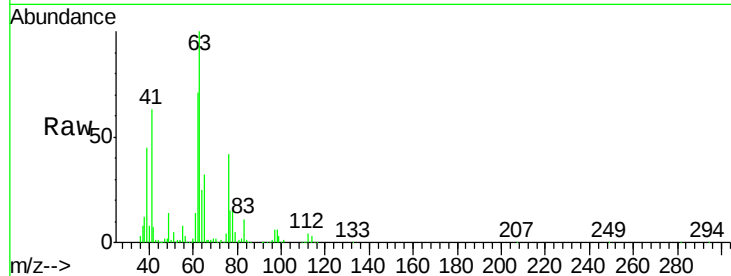
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	23.8	35.6

Manual Integrations
 APPROVED

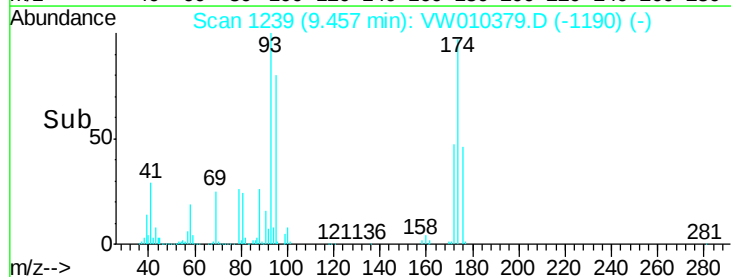
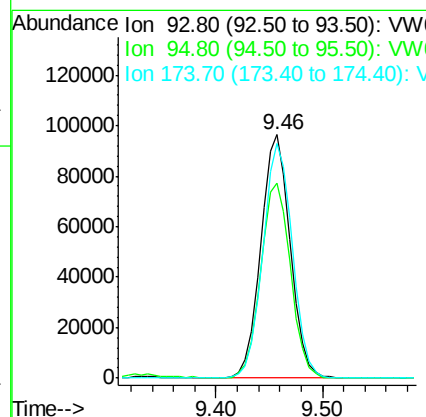
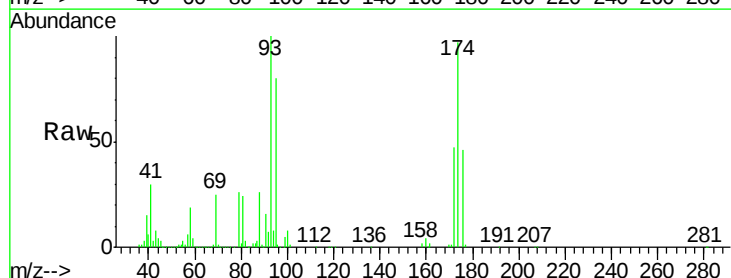
MMDadoda

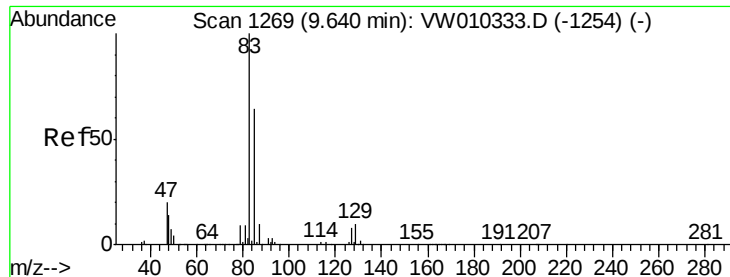
5/13/2019 3:44:09 AM



#46
 Dibromomethane
 Concen: 21.697 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.8	98.8
174	96.6	75.5	113.3





#47

Bromodichloromethane

Concen: 22.440 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

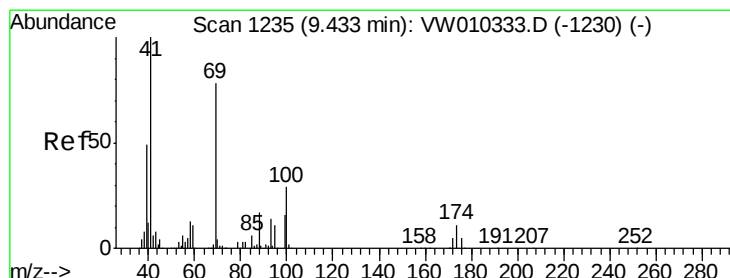
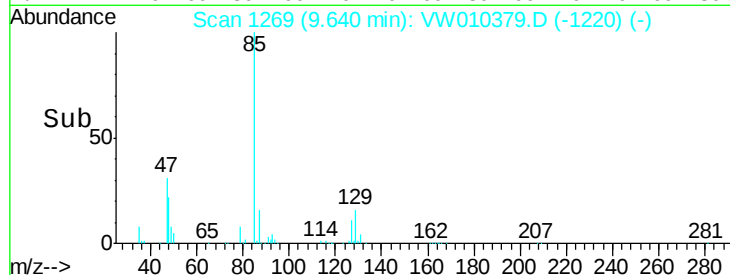
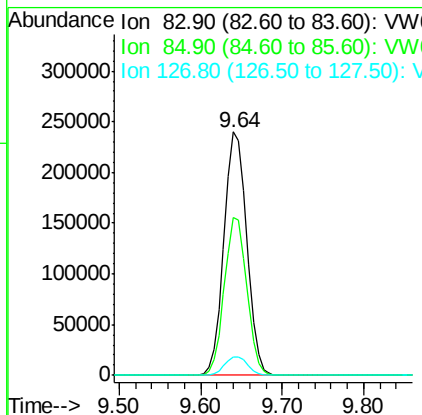
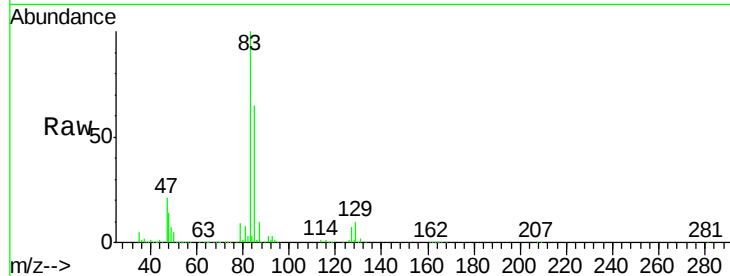
VW0511SBSD01

Tot Ion:	83	Resp:	463638
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.6	75.8
127	7.3	6.6	10.0

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#48

Methyl methacrylate

Concen: 20.679 ug/l

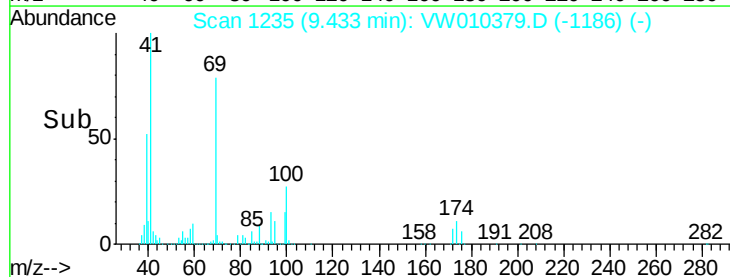
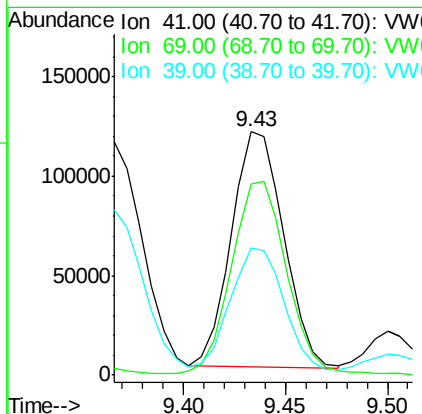
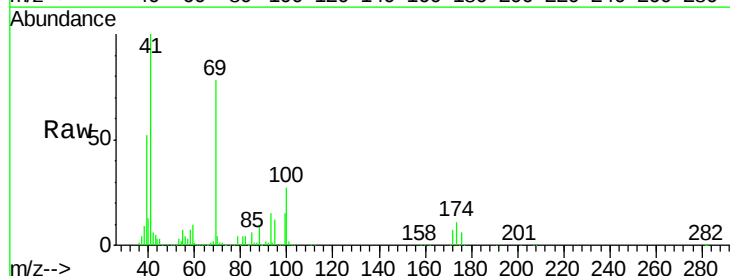
RT: 9.43 min Scan# 1235

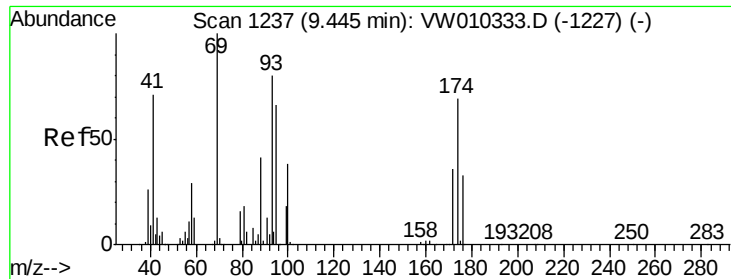
Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion:	41	Resp:	211454
Ion Ratio	Lower	Upper	
41	100		
69	86.9	60.1	90.1
39	52.2	51.0	76.6





#49
1,4-Dioxane
Concen: 380.433 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

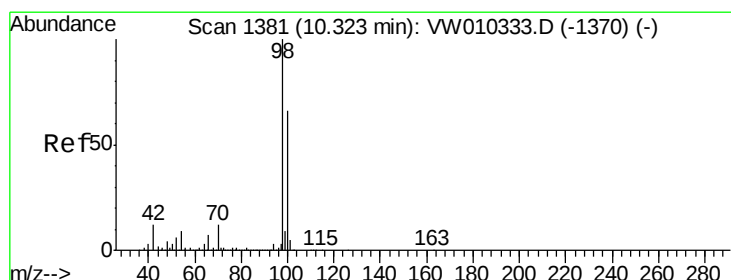
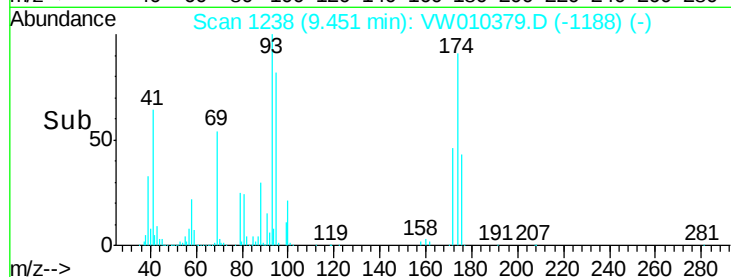
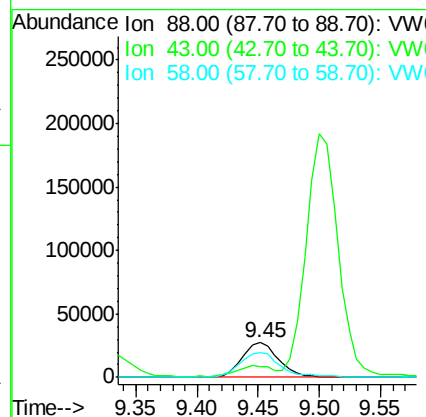
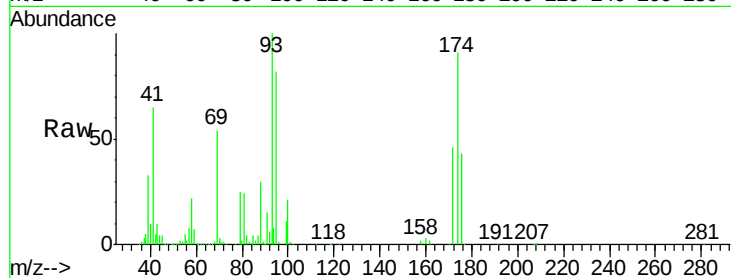
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion	88	Resp	57143
Ion	Ratio	Lower	Upper
88	100		
43	30.5	31.9	47.9#
58	79.7	61.8	92.6

Manual Integrations
APPROVED

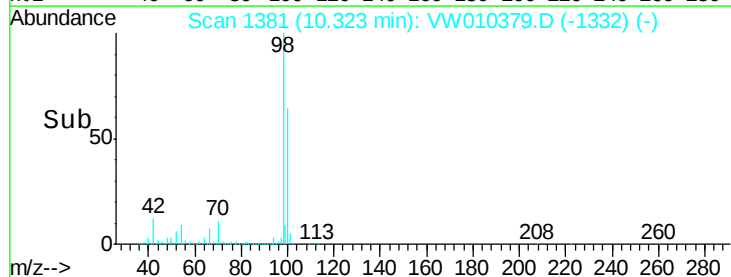
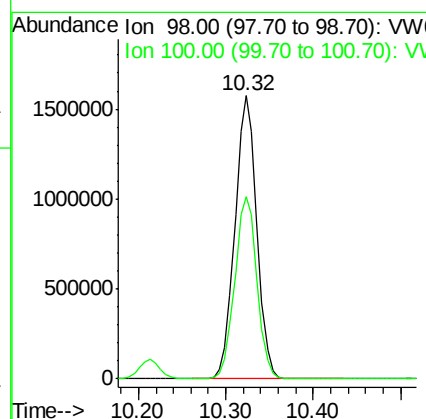
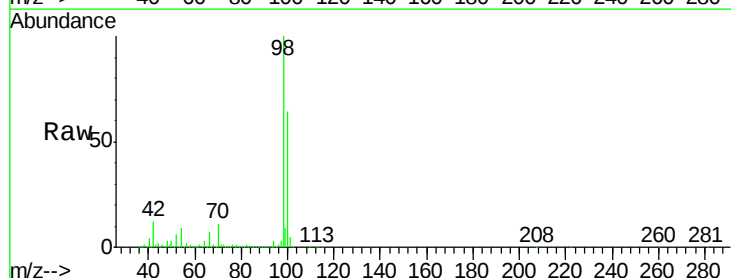
MMDadoda

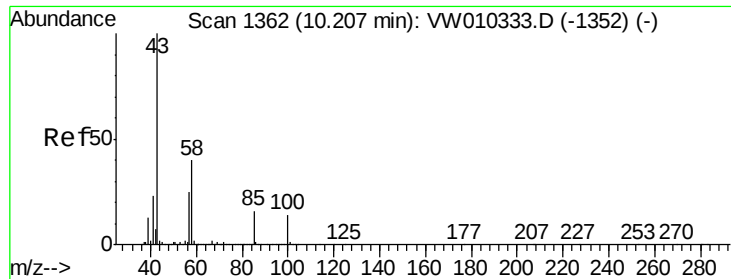
5/13/2019 3:44:09 AM



#50
Toluene-d8
Concen: 50.771 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	98	Resp	2732723
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 100.802 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion: 43 Resp: 1250027

Ion Ratio Lower Upper

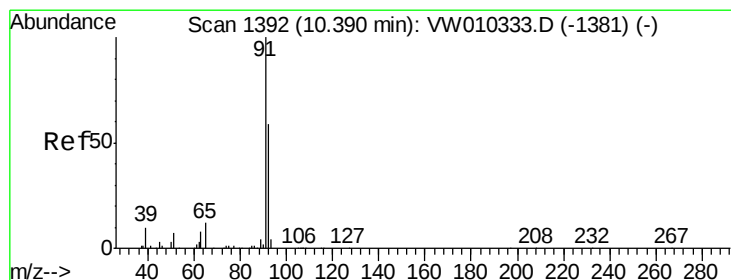
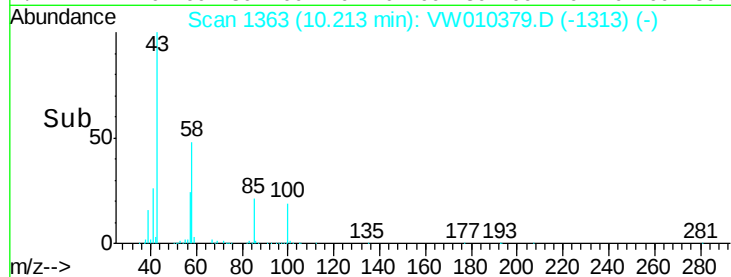
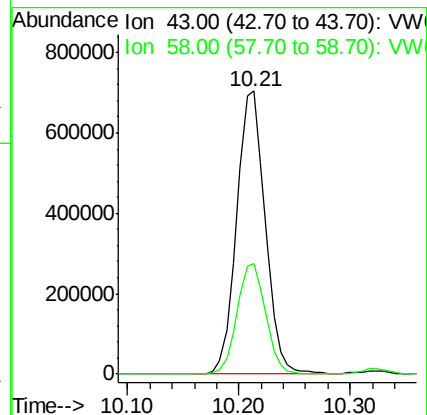
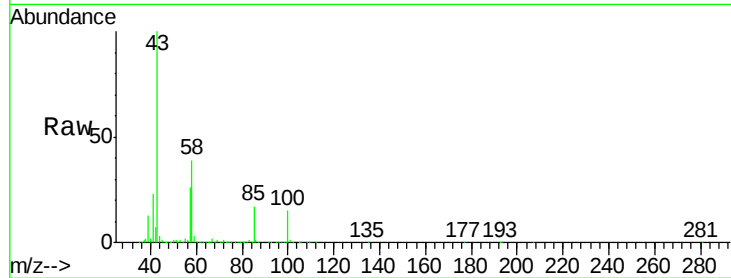
43 100

58 39.2 28.9 43.3

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#52

Toluene

Concen: 21.913 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010379.D

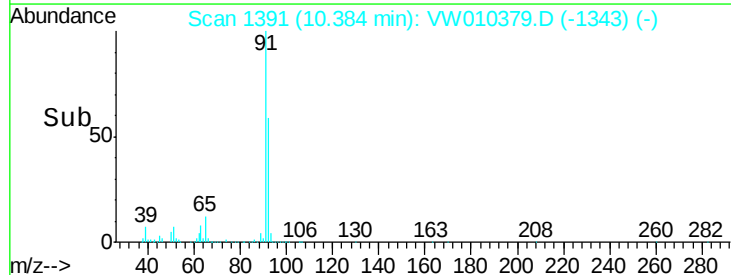
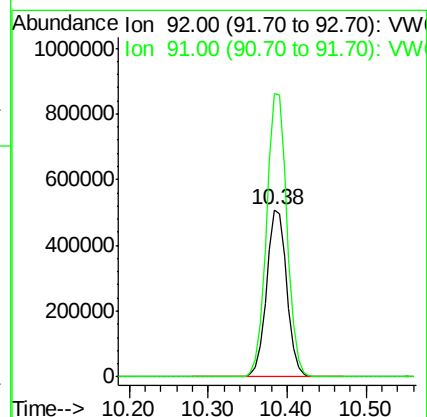
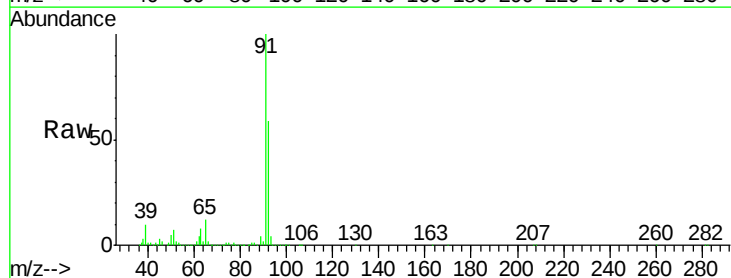
Acq: 11 May 2019 14:16

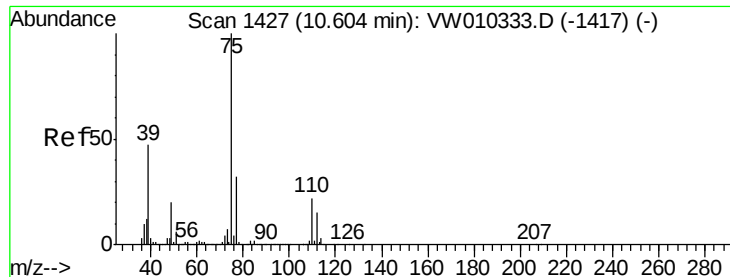
Tgt Ion: 92 Resp: 898337

Ion Ratio Lower Upper

92 100

91 171.4 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 22.062 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion: 75 Resp: 461715

Ion Ratio Lower Upper

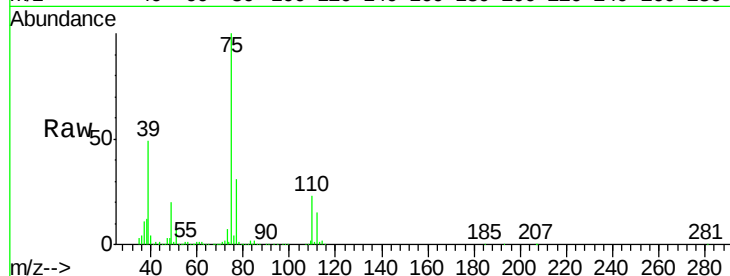
75 100

77 31.0 26.9 40.3

Manual Integrations
APPROVED

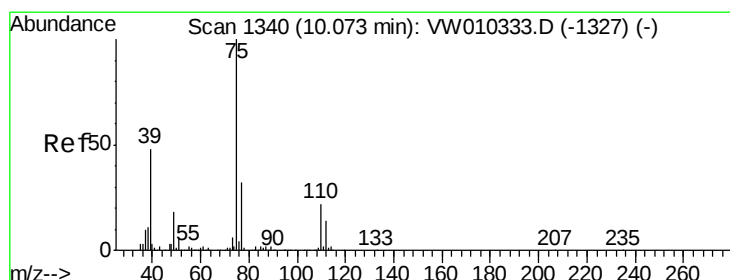
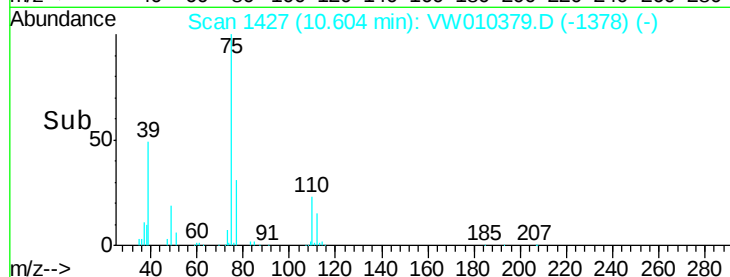
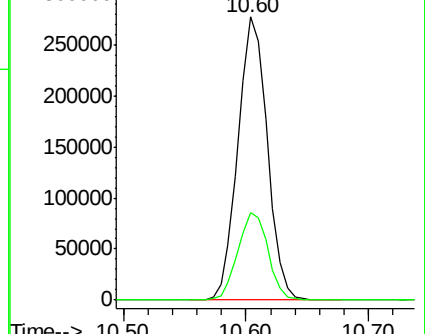
MMDadoda

5/13/2019 3:44:09 AM



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 22.479 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

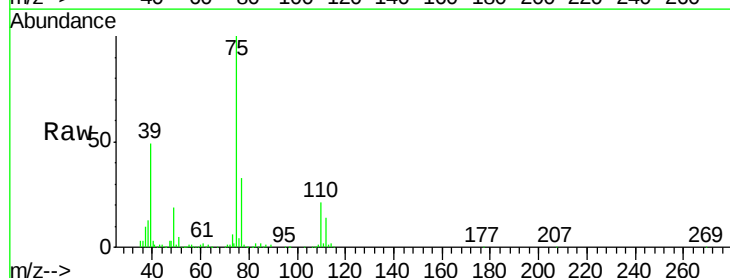
Tgt Ion: 75 Resp: 557129

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4

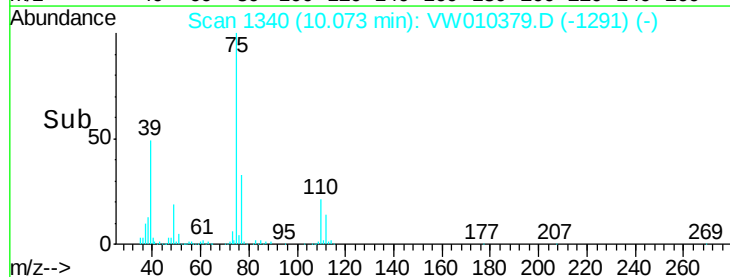
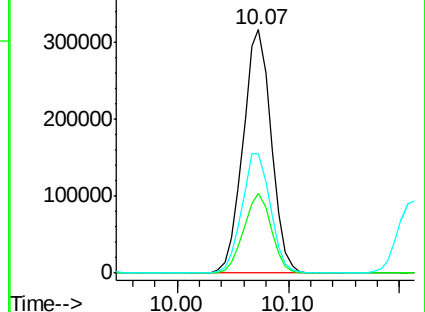
39 49.1 47.8 71.6

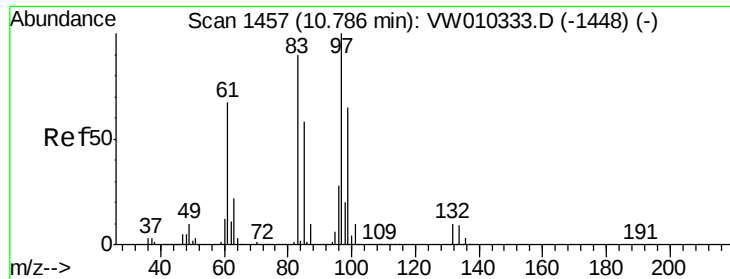


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55
 1,1,2-Trichloroethane
 Concen: 21.772 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

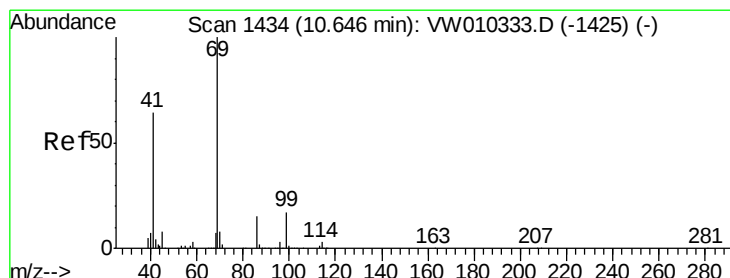
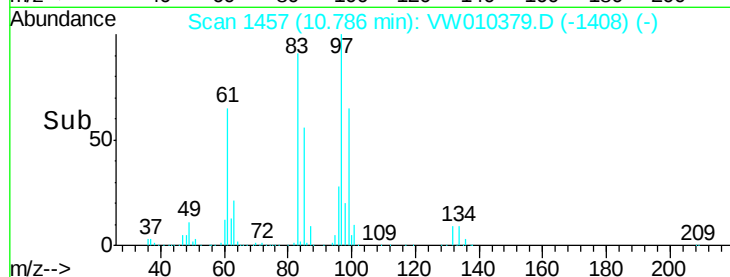
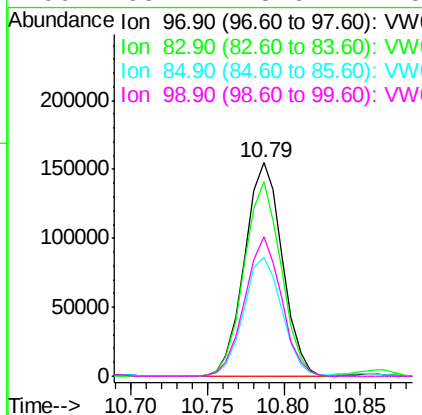
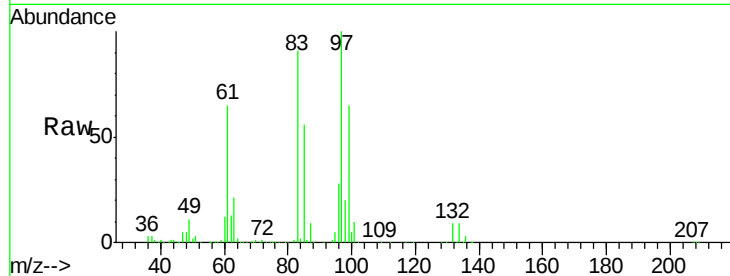
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		266344		
83	90.9	68.9	103.3		
85	55.6	42.9	64.3		
99	65.1	48.6	72.8		

Manual Integrations
 APPROVED

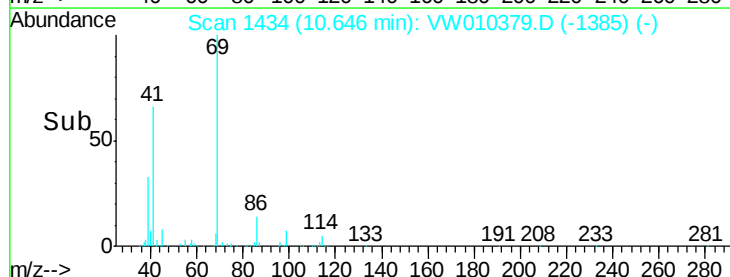
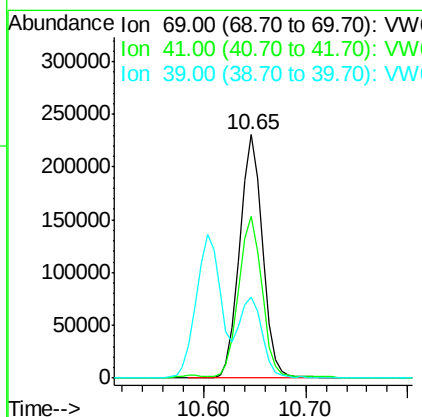
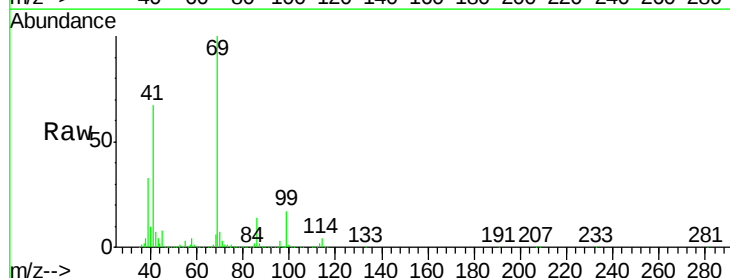
MMDadoda

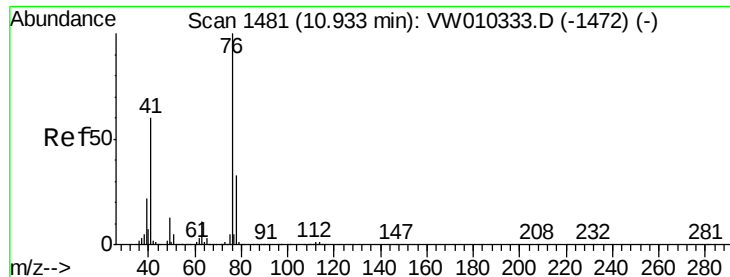
5/13/2019 3:44:09 AM



#56
 Ethyl methacrylate
 Concen: 22.171 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		358163		
41	67.7	61.0	91.6		
39	32.6	33.8	50.6#		





#57
 1,3-Dichloropropane
 Concen: 22.202 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

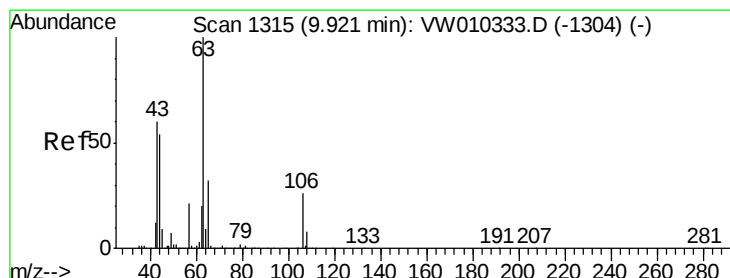
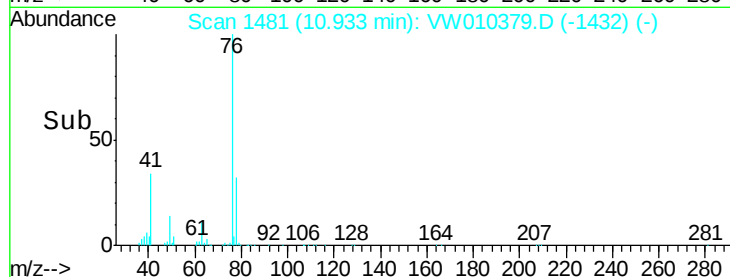
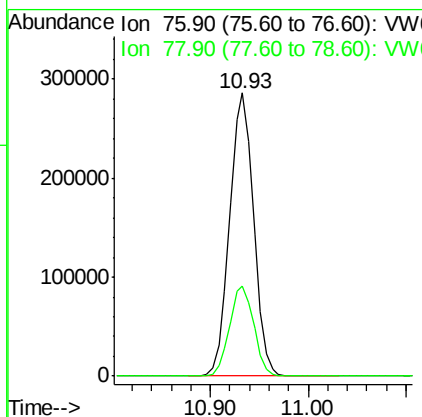
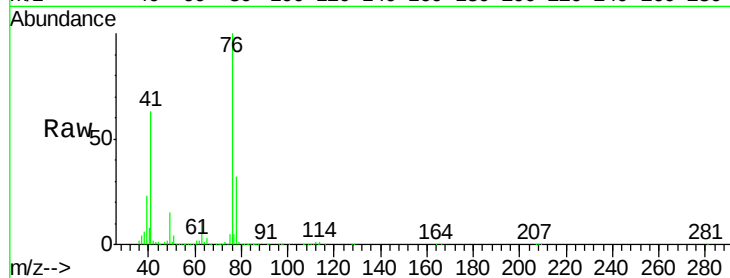
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

Manual Integrations
 APPROVED

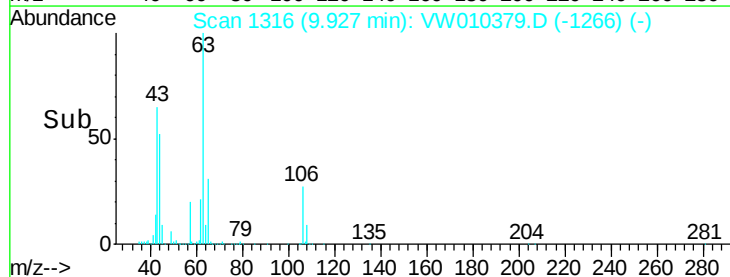
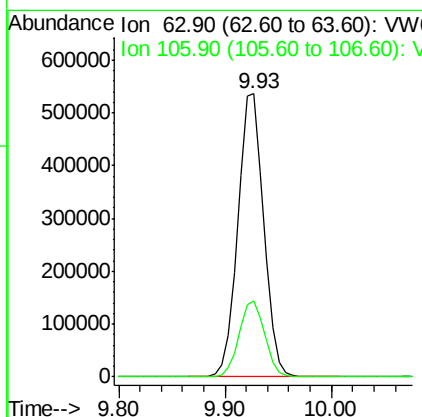
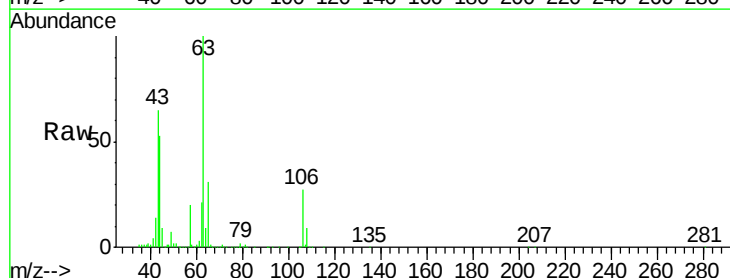
MMDadoda

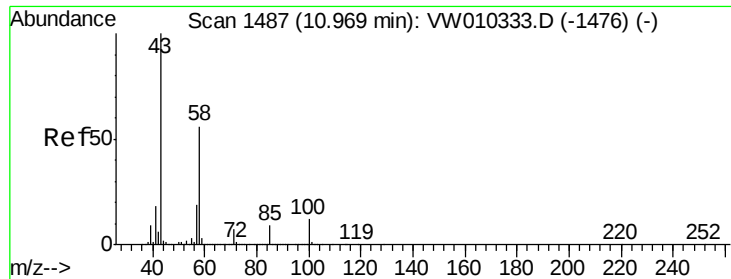
5/13/2019 3:44:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.119 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.4	32.0





#59
2-Hexanone
Concen: 99.230 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

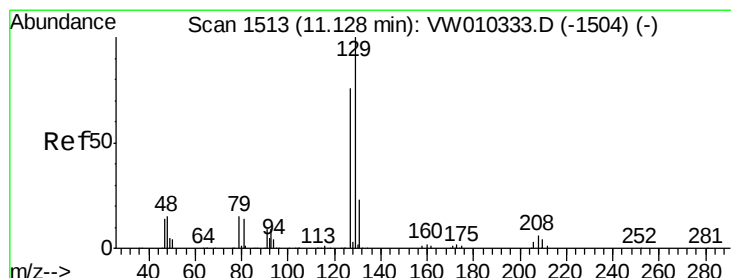
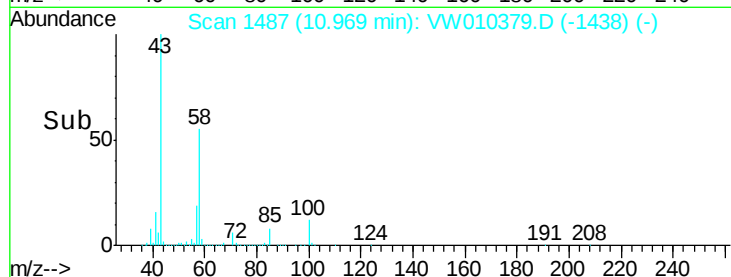
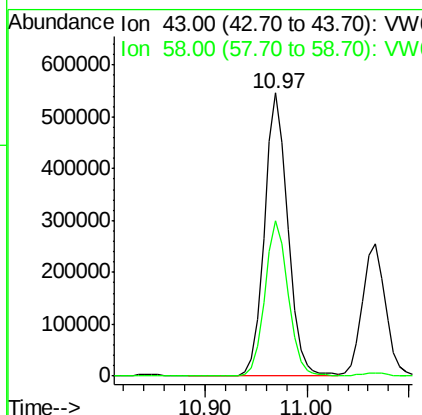
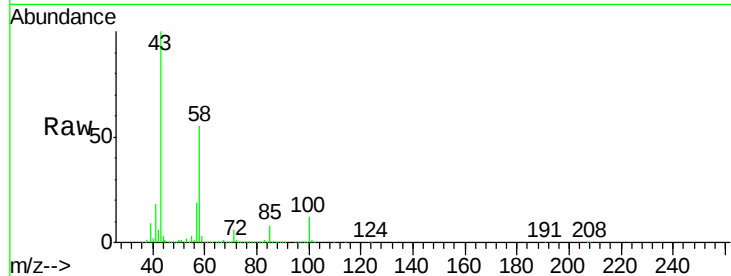
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion: 43 Resp: 870032
Ion Ratio Lower Upper
43 100
58 54.5 24.9 74.7

Manual Integrations
APPROVED

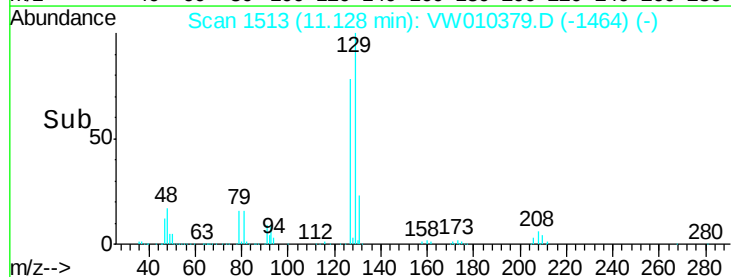
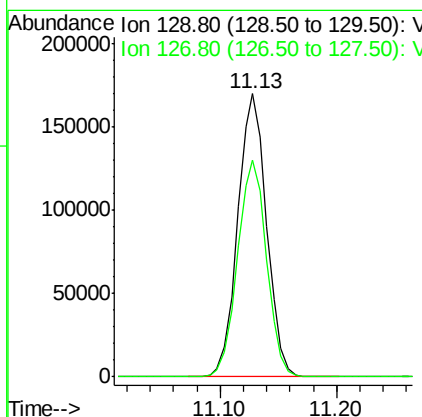
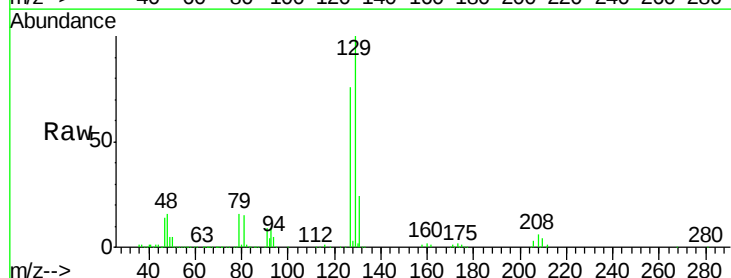
MMDadoda

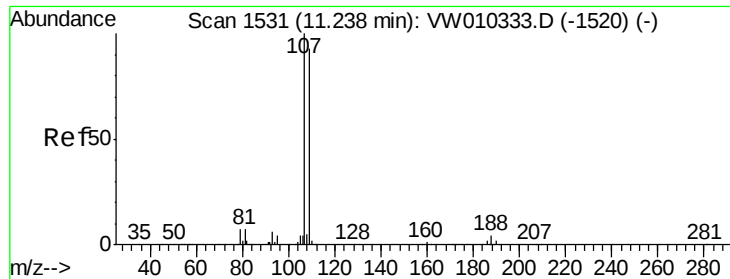
5/13/2019 3:44:09 AM



#60
Dibromochloromethane
Concen: 22.226 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 129 Resp: 292583
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61
 1,2-Dibromoethane
 Concen: 21.623 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

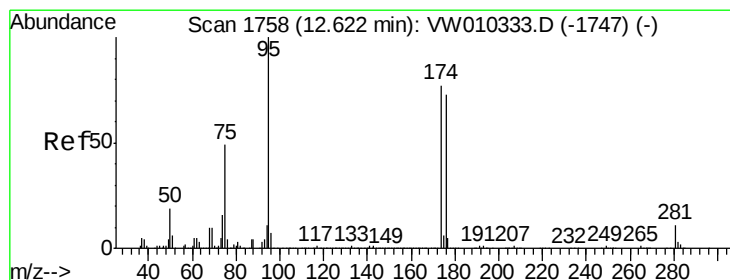
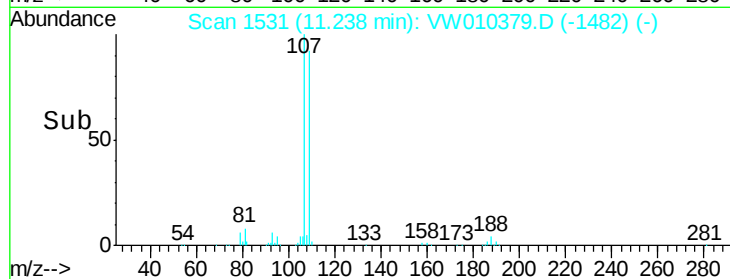
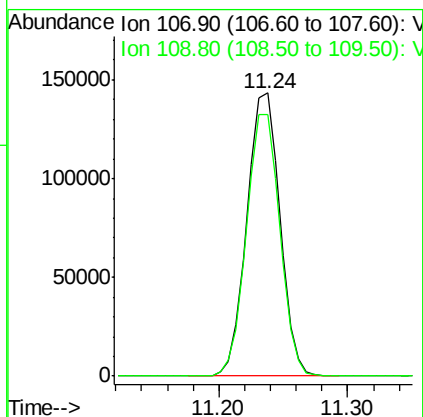
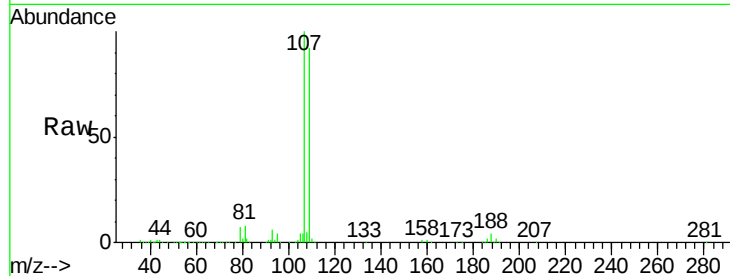
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.6	110.4

Manual Integrations
 APPROVED

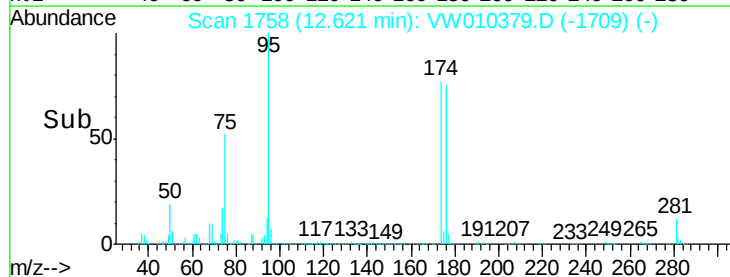
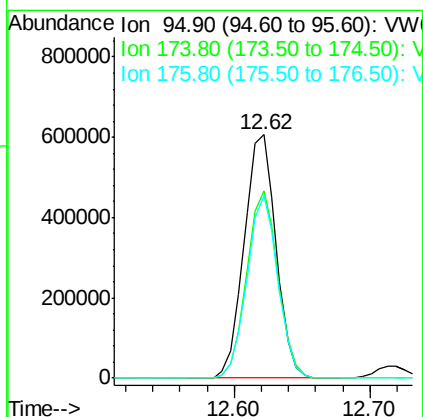
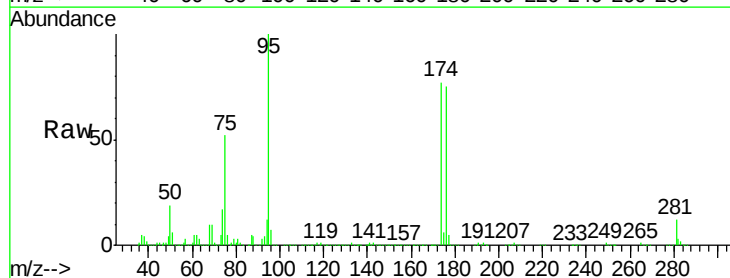
MMDadoda

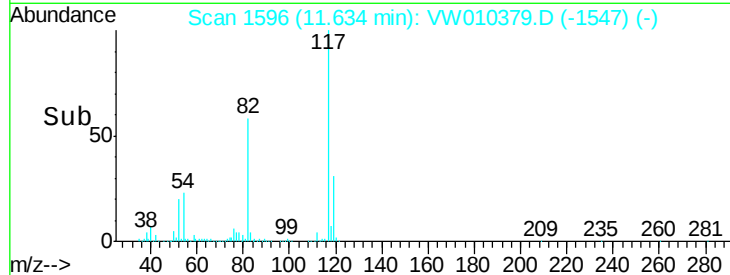
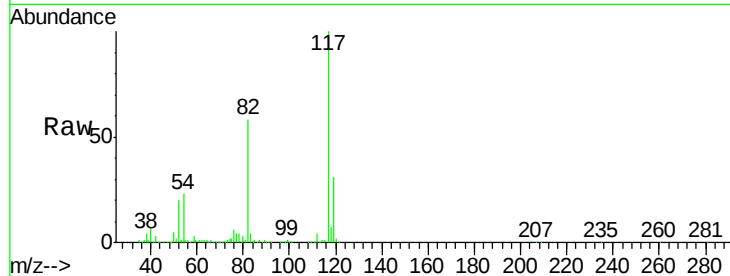
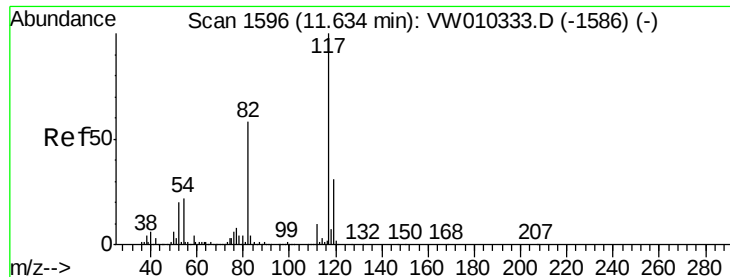
5/13/2019 3:44:09 AM



#62
 4-Bromofluorobenzene
 Concen: 52.464 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	151.4
176	72.7	0.0	146.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

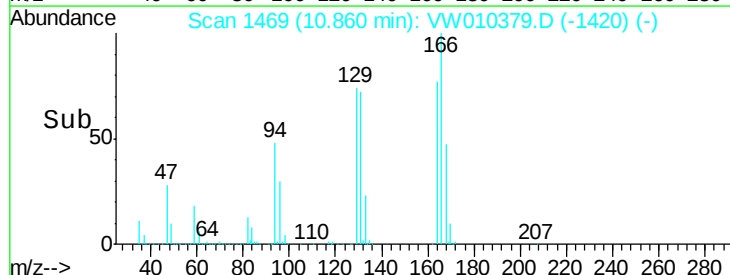
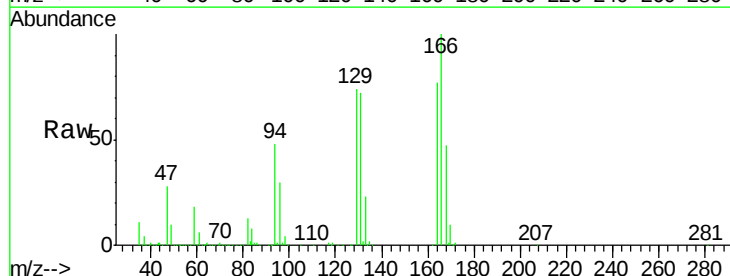
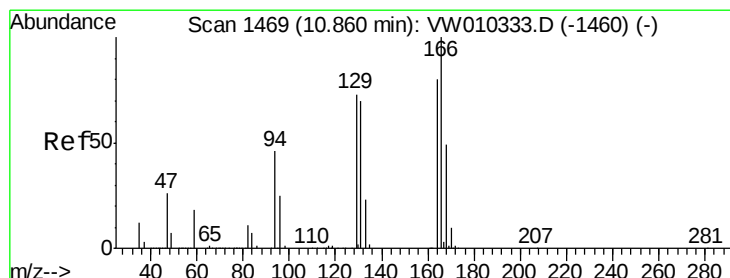
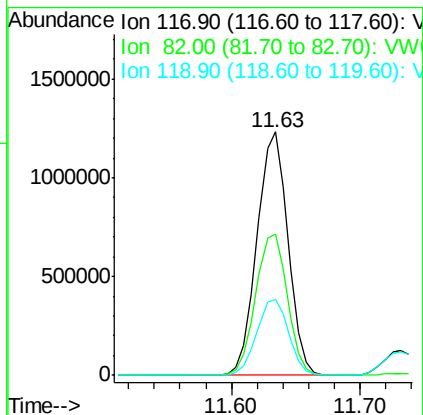
Tot Ion:117	Resp: 2046152
Ion Ratio	Lower Upper
117 100	
82 58.0	45.2 67.8
119 31.4	25.4 38.2

Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Manual Integrations
APPROVED

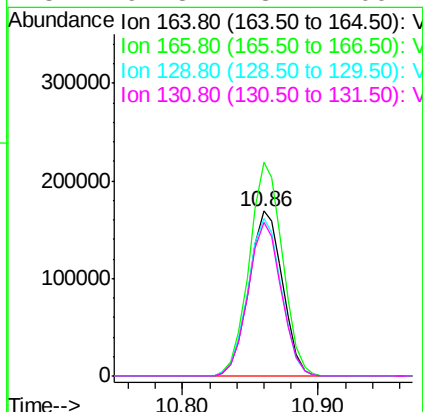
MMDadoda

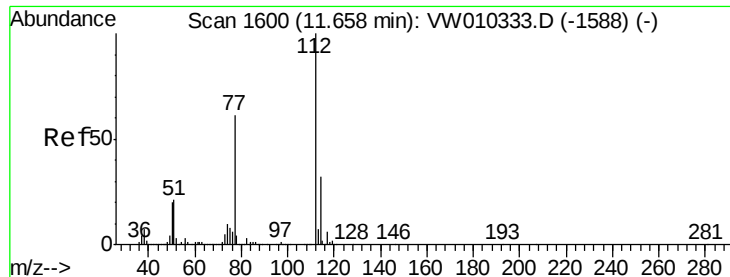
5/13/2019 3:44:09 AM



#64
Tetrachloroethene
Concen: 20.523 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion:164	Resp: 293504
Ion Ratio	Lower Upper
164 100	
166 129.7	101.2 151.8
129 95.5	77.8 116.6
131 92.8	73.1 109.7





#65
Chlorobenzene
Concen: 21.781 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

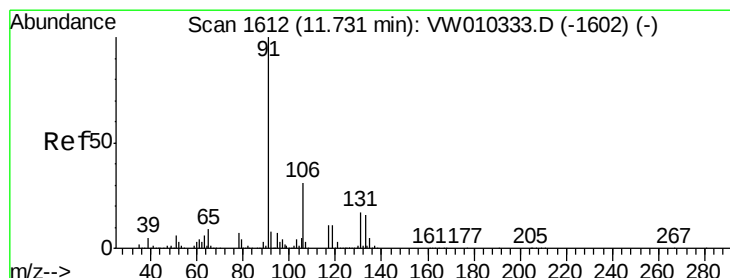
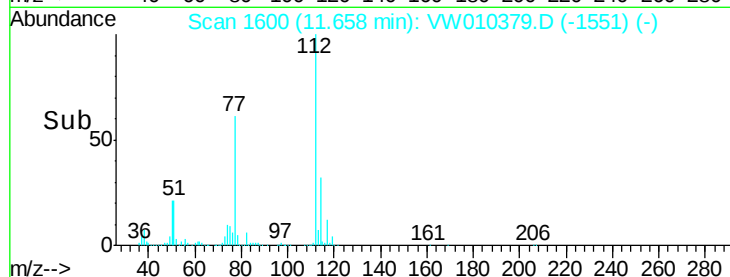
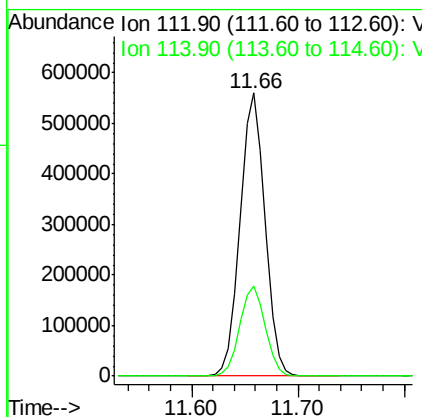
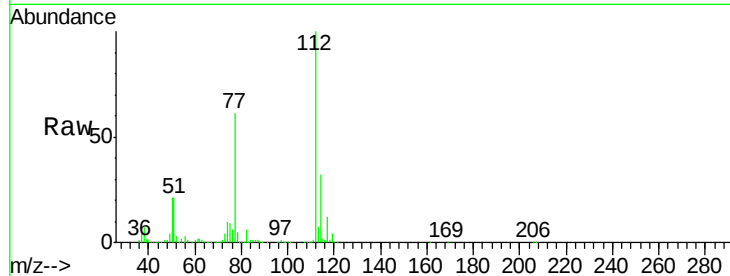
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.5	39.7

Manual Integrations
APPROVED

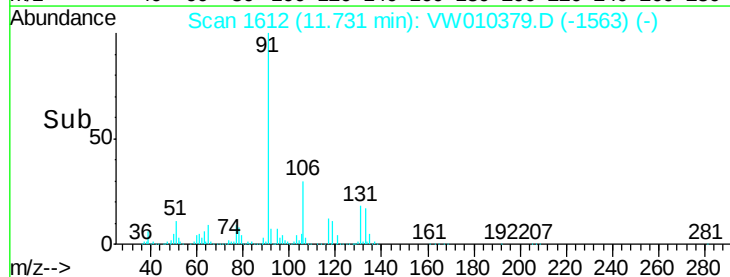
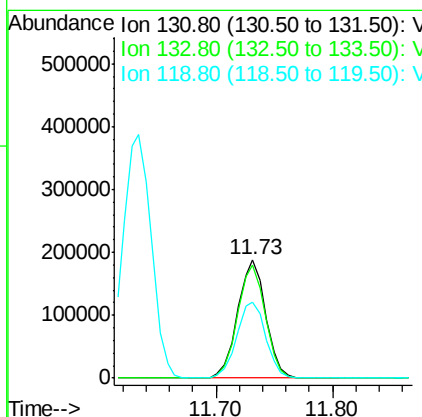
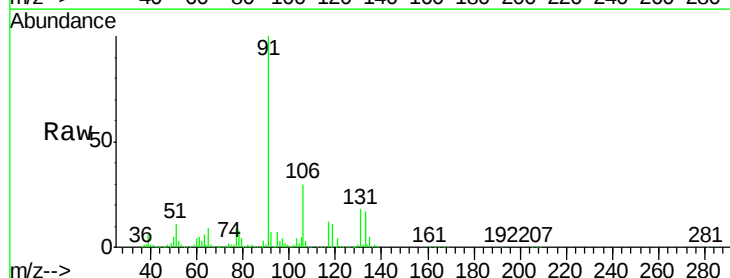
MMDadoda

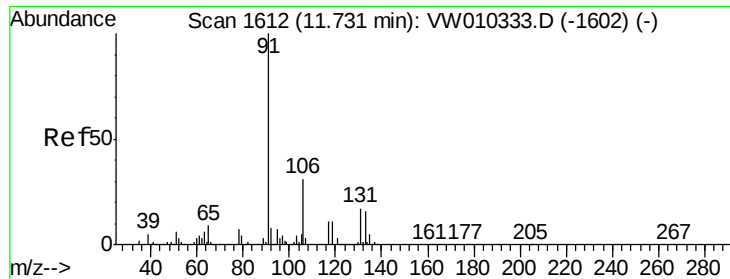
5/13/2019 3:44:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.020 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.5	139.5
119	66.4	31.9	95.5





#67
Ethyl Benzene
Concen: 21.792 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

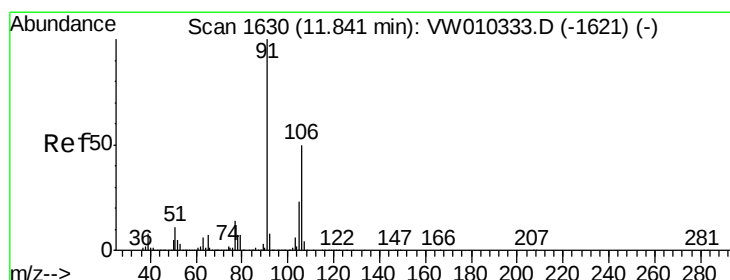
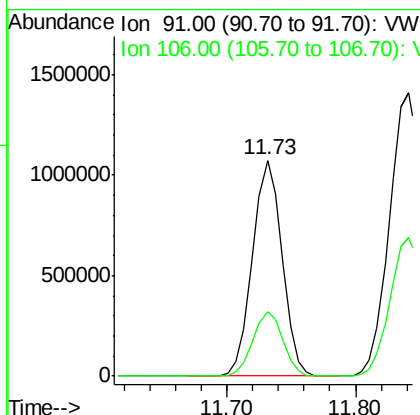
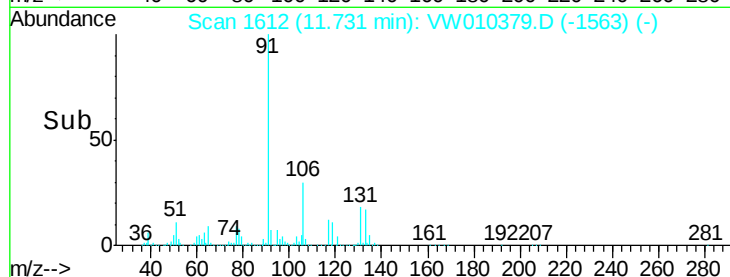
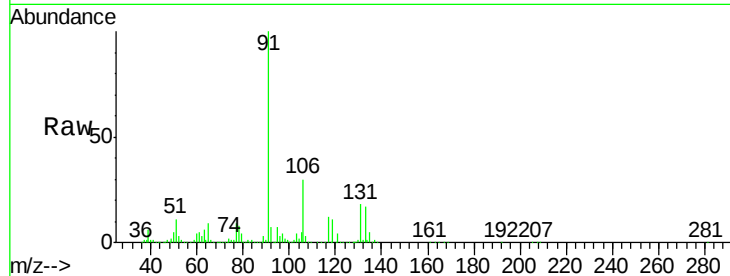
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion: 91 Resp: 1698009
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

Manual Integrations
APPROVED

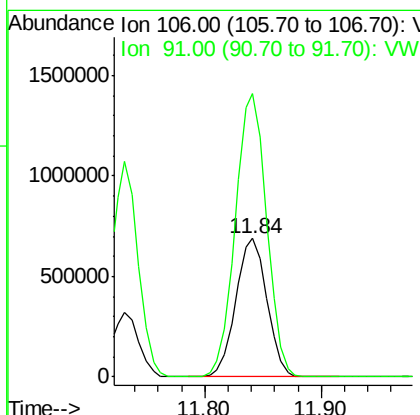
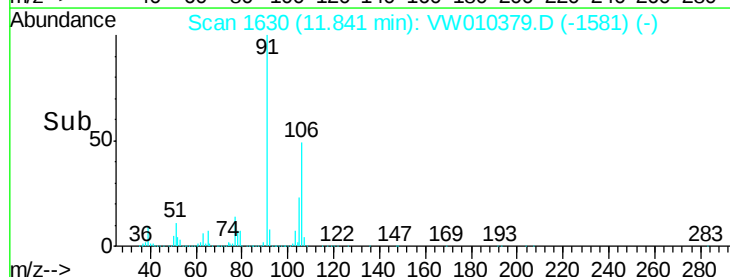
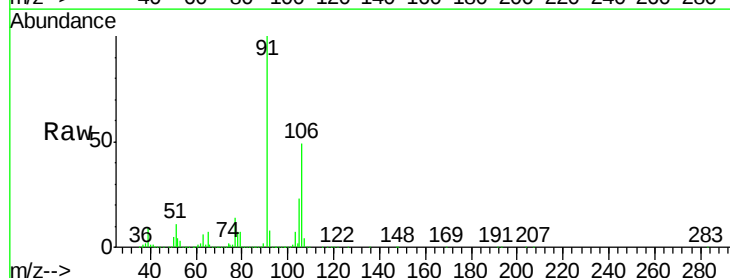
MMDadoda

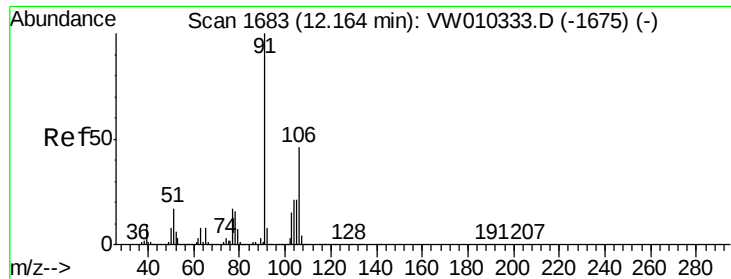
5/13/2019 3:44:09 AM



#68
m/p-Xylenes
Concen: 44.364 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 106 Resp: 1284354
Ion Ratio Lower Upper
106 100
91 205.3 165.0 247.6





#69
o-Xylene
Concen: 22.171 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

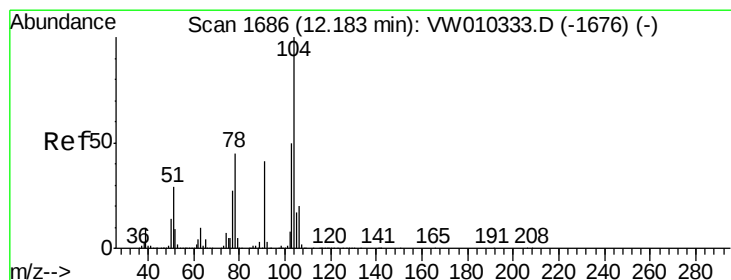
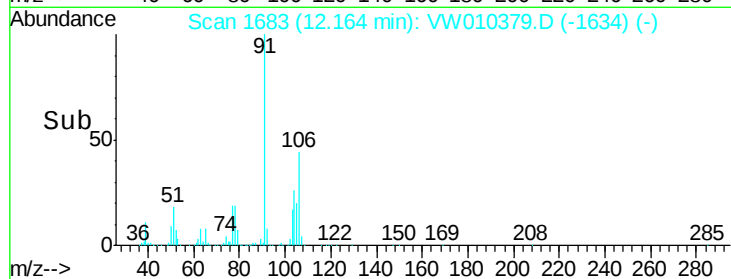
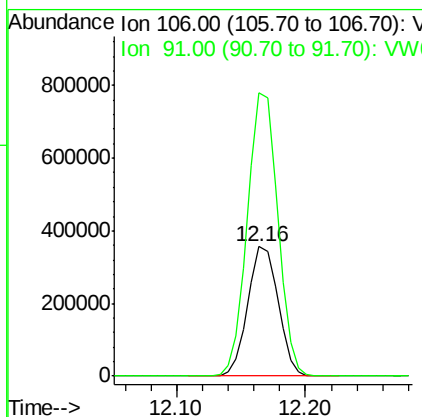
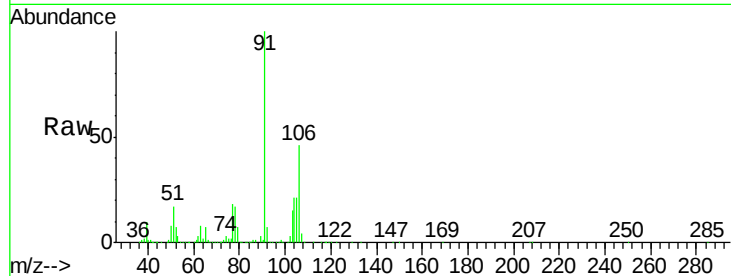
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		580643		
91	218.7	110.5	331.4		

Manual Integrations
APPROVED

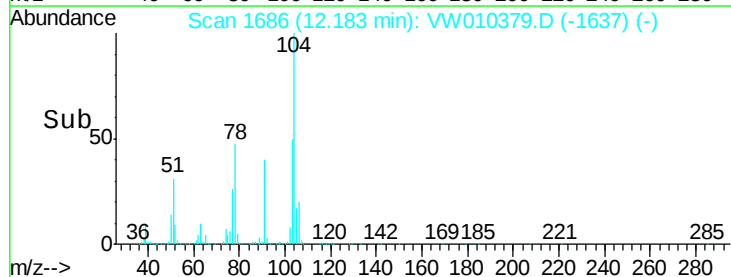
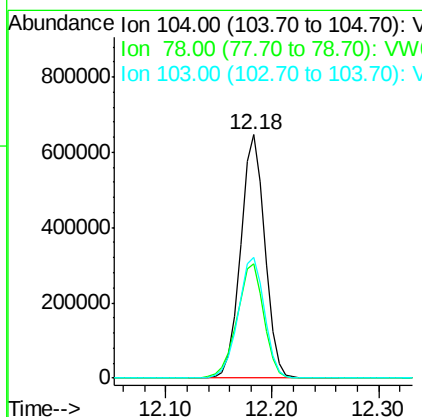
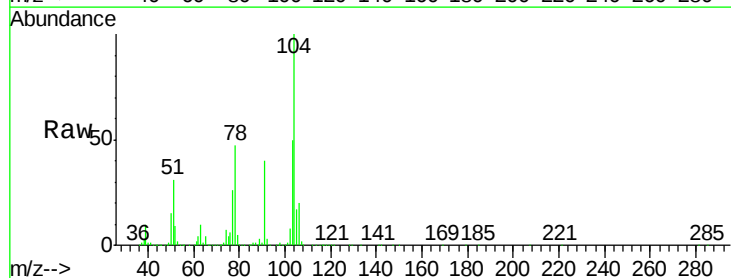
MMDadoda

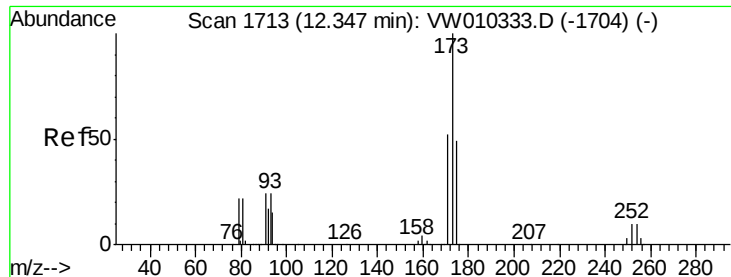
5/13/2019 3:44:09 AM



#70
Styrene
Concen: 22.627 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1032511		
78	51.9	42.5	63.7		
103	54.0	43.6	65.4		





#71

Bromoform

Concen: 20.526 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

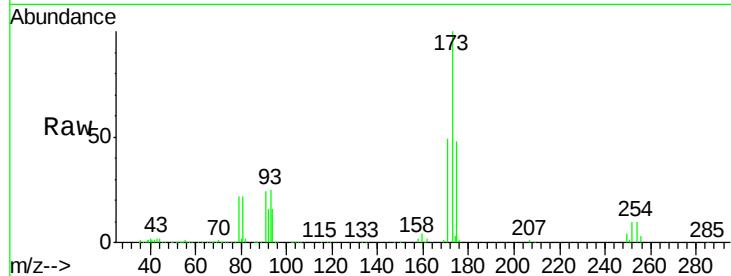
VW0511SBSD01

Tot Ion:	173	Resp:	167976
Ion Ratio	Lower	Upper	
173	100		
175	48.8	23.8	71.4
254	0.1	0.1	0.1

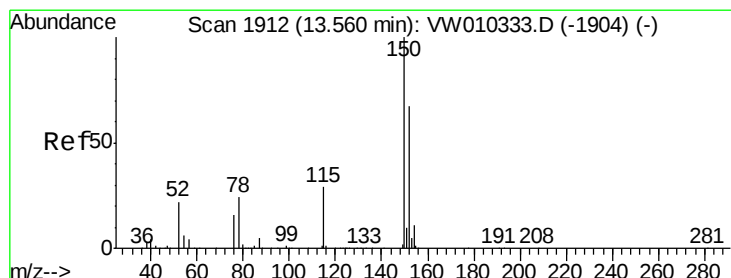
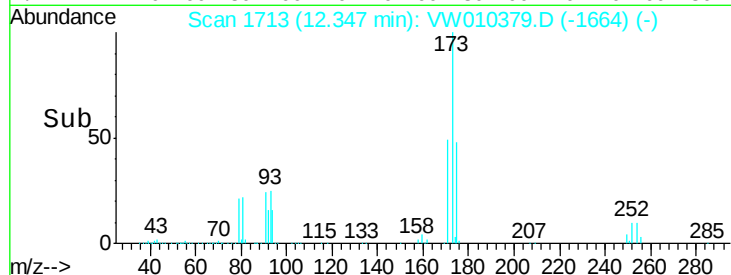
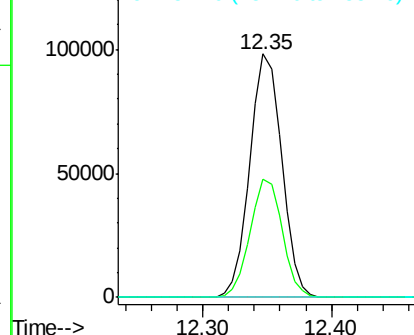
Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

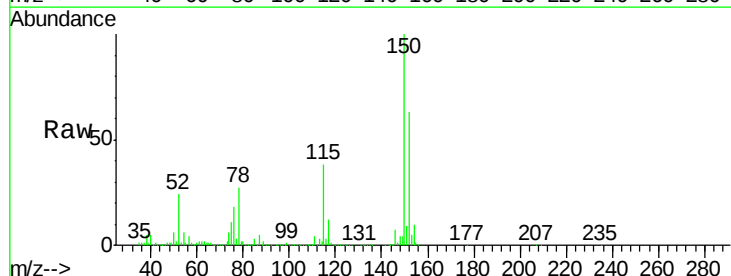
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

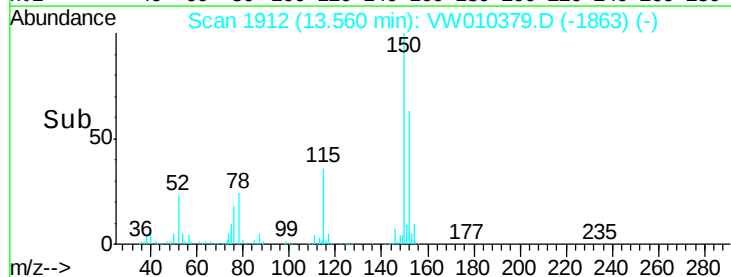
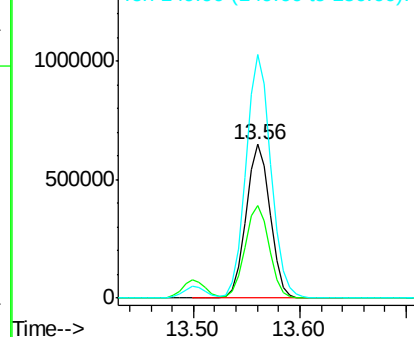
Lab File: VW010379.D

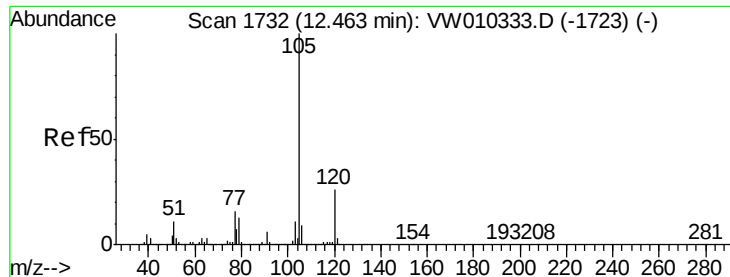
Acq: 11 May 2019 14:16

Tgt Ion:	152	Resp:	1026997
Ion Ratio	Lower	Upper	
152	100		
115	60.5	30.4	91.2
150	164.9	0.0	347.0



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





#73

Isopropylbenzene

Concen: 21.592 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

VW0511SBSD01

Tot Ion:105 Resp: 1616299

Ion Ratio Lower Upper

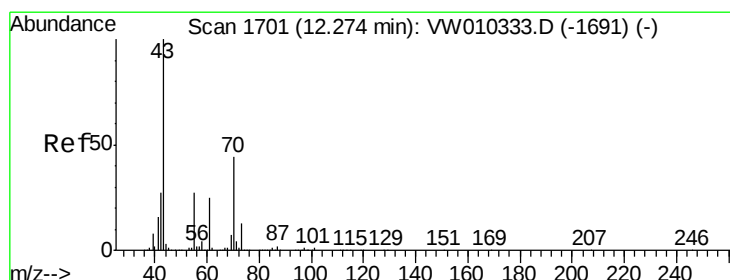
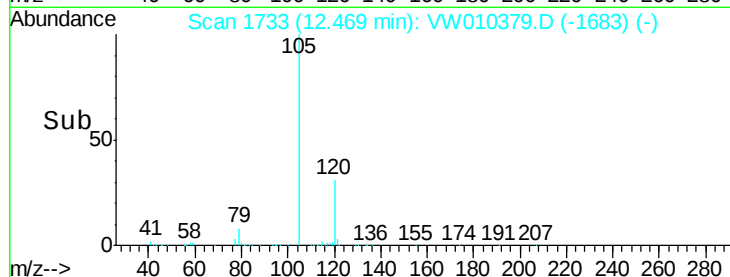
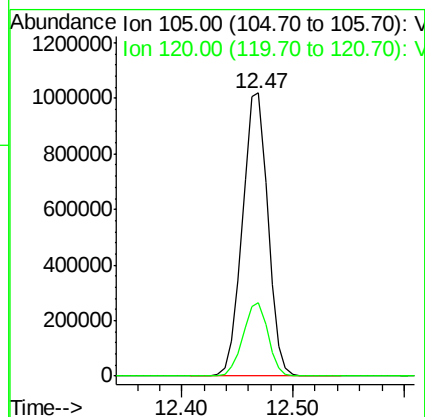
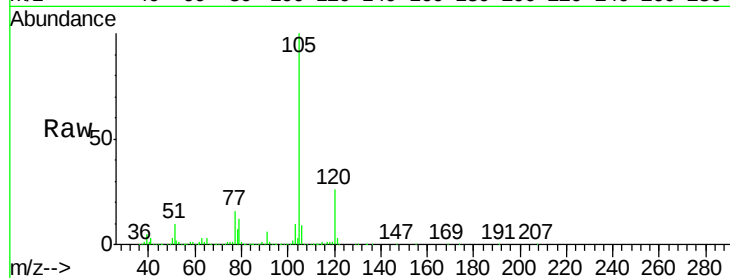
105 100

120 25.5 13.1 39.1

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#74

N-ethyl acetate

Concen: 21.364 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion: 43 Resp: 413167

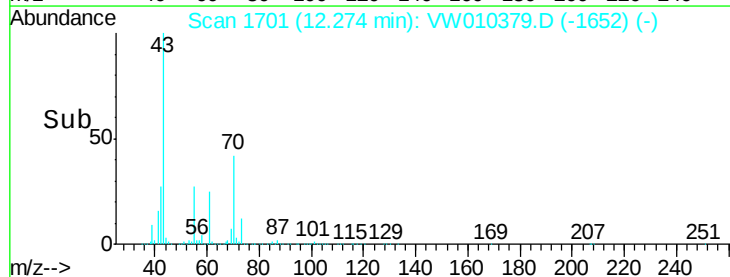
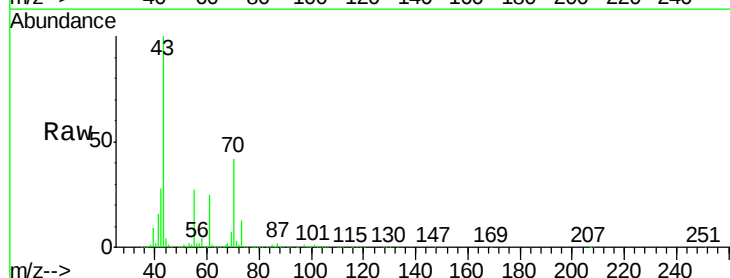
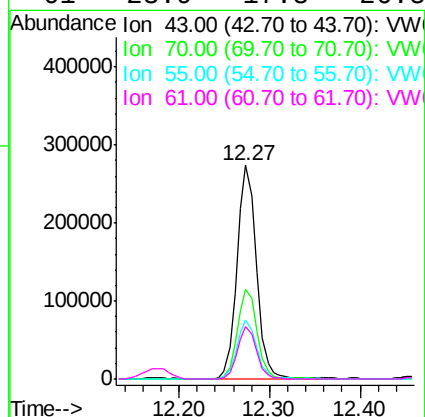
Ion Ratio Lower Upper

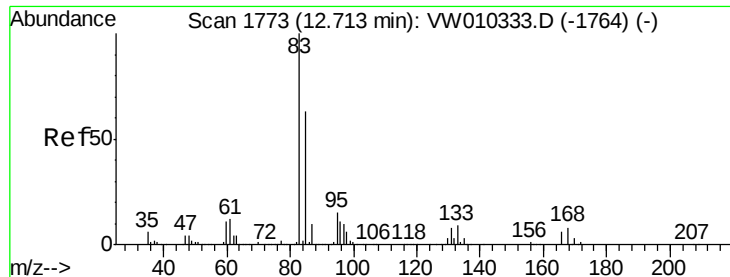
43 100

70 42.3 31.3 46.9

55 27.6 20.0 30.0

61 23.9 17.8 26.8





#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.138 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

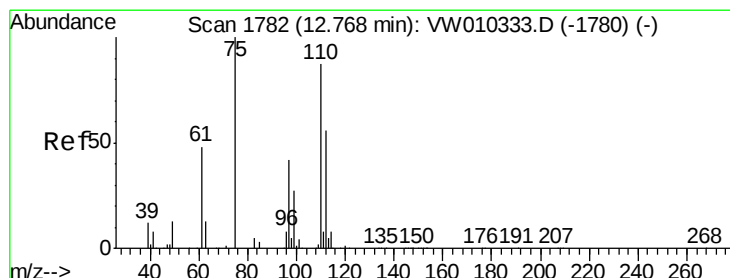
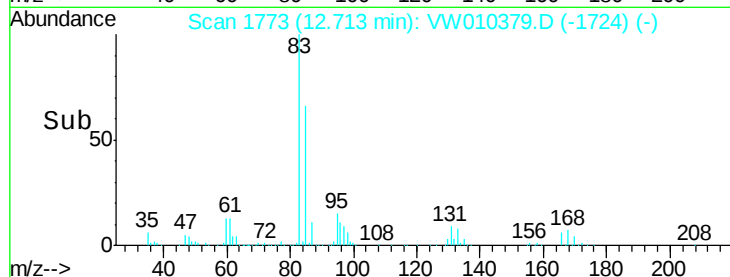
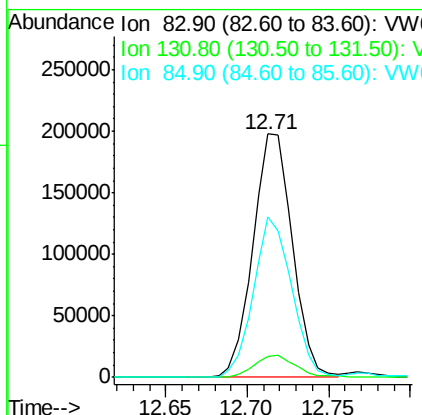
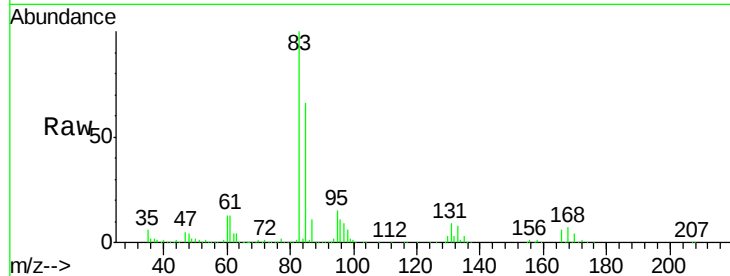
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.6	5.3	15.8	
85	63.8	32.0	96.2	

Manual Integrations
 APPROVED

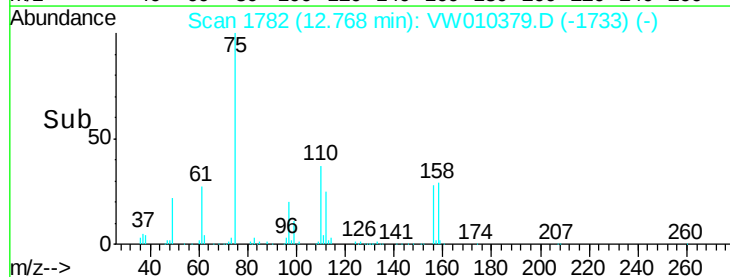
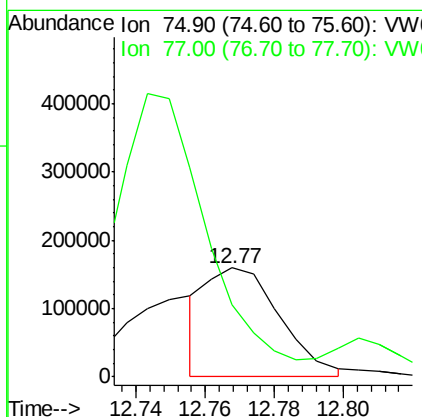
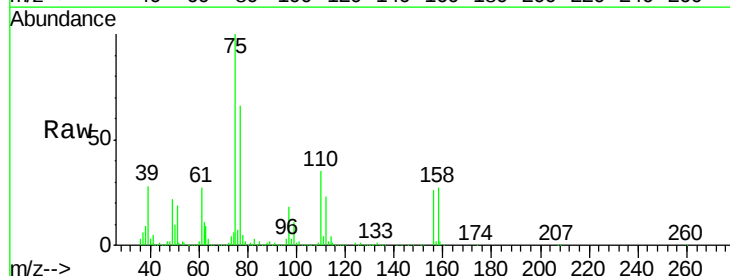
MMDadoda

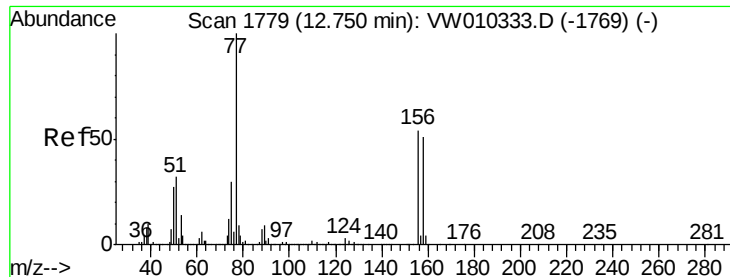
5/13/2019 3:44:09 AM



#76
 1,2,3-Trichloropropane
 Concen: 19.694 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

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





#77
Bromobenzene
Concen: 21.716 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

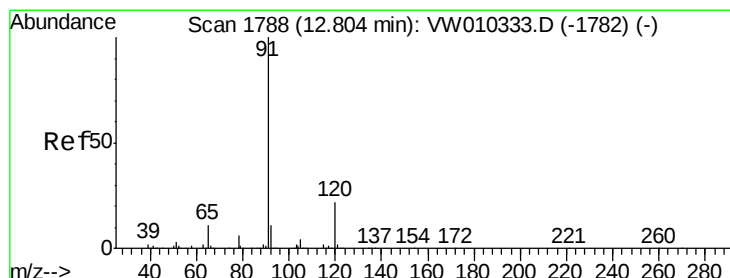
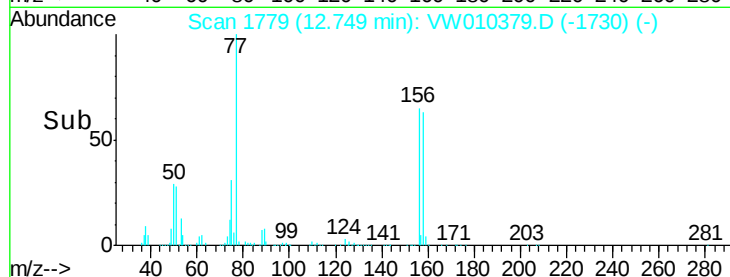
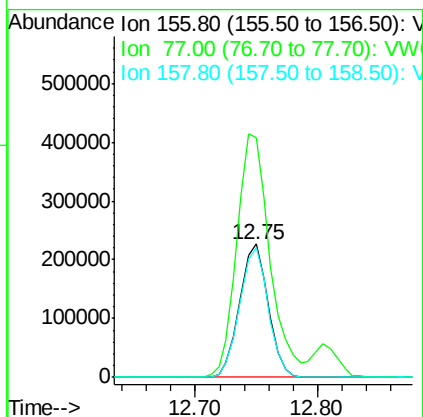
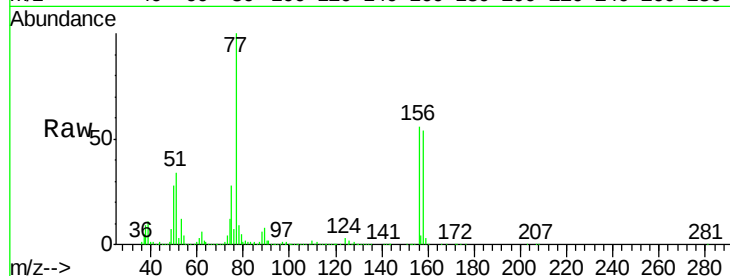
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.4	102.5	307.4
158	97.5	48.8	146.4

Manual Integrations
APPROVED

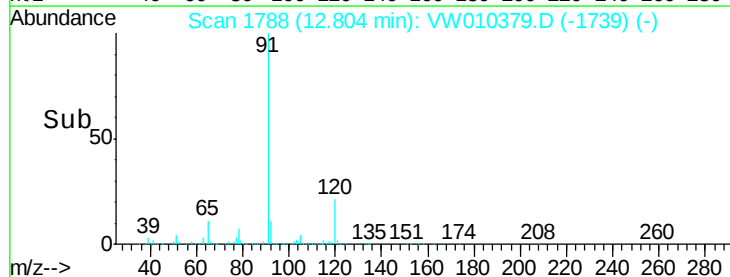
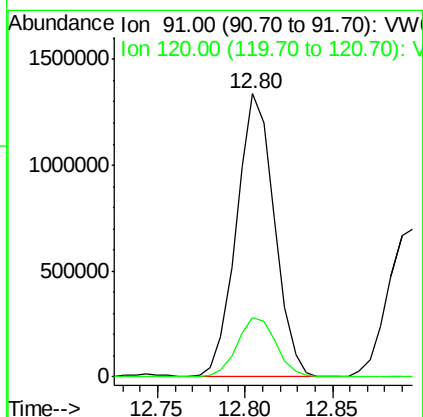
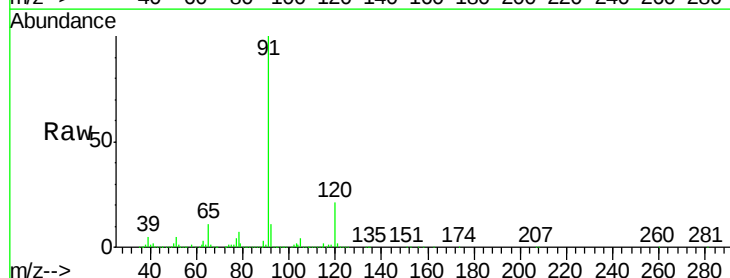
MMDadoda

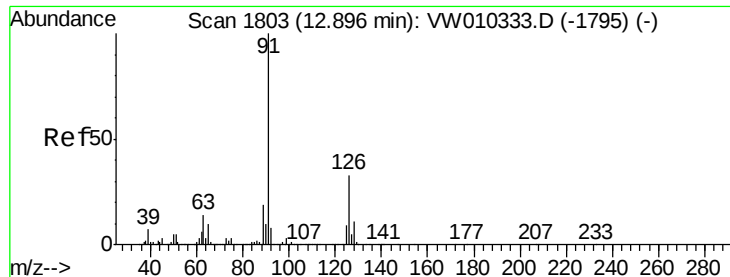
5/13/2019 3:44:09 AM



#78
n-propylbenzene
Concen: 21.779 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





#79
2-Chlorotoluene
Concen: 21.706 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

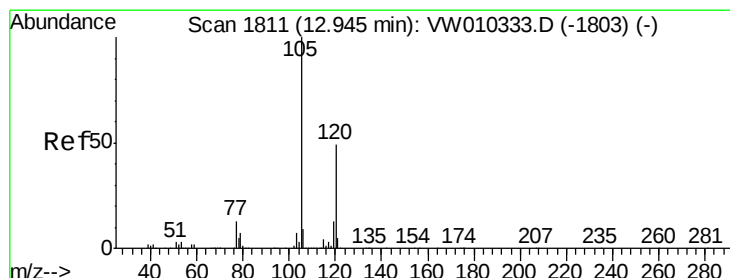
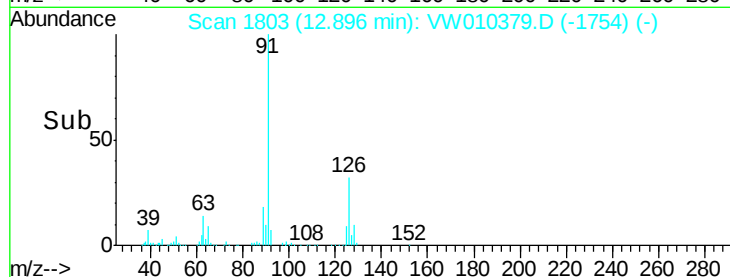
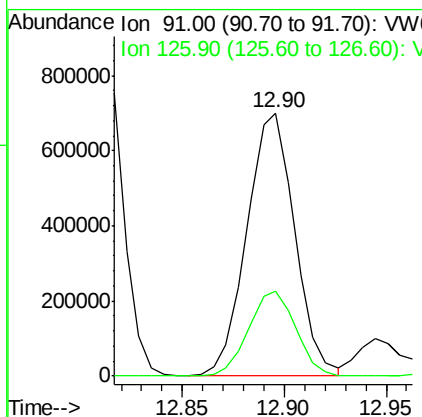
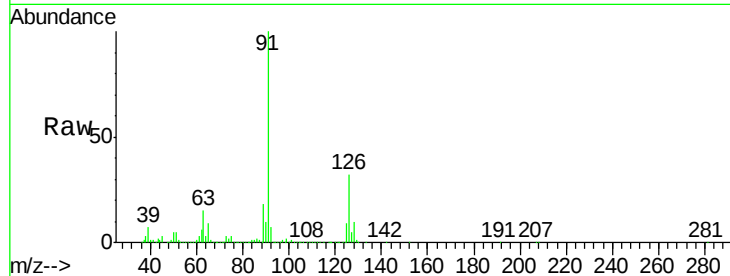
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion: 91 Resp: 1142838
Ion Ratio Lower Upper
91 100
126 31.9 16.3 48.8

Manual Integrations
APPROVED

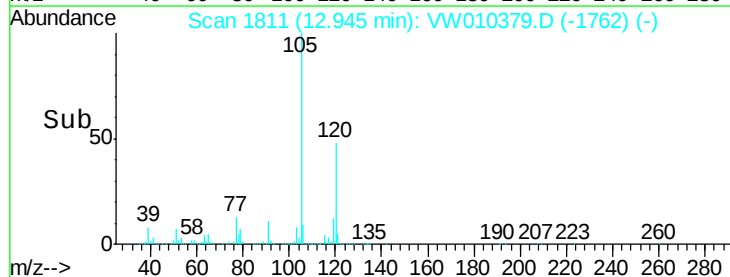
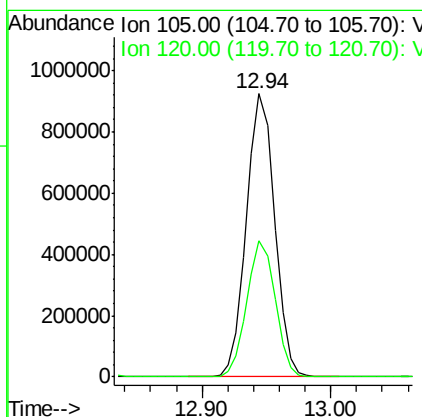
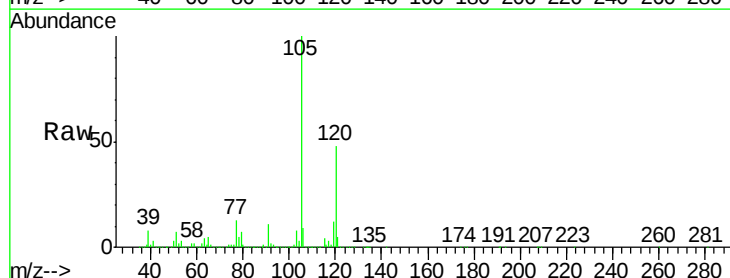
MMDadoda

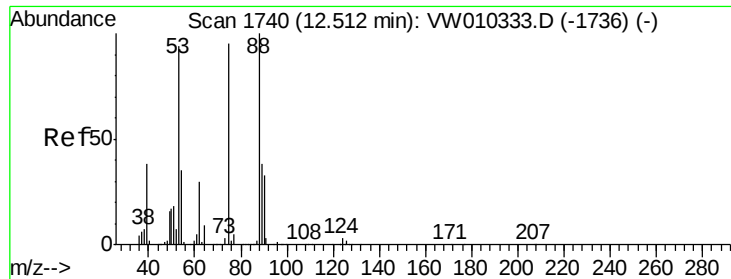
5/13/2019 3:44:09 AM



#80
1,3,5-Trimethylbenzene
Concen: 22.104 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 105 Resp: 1394986
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 18.888 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

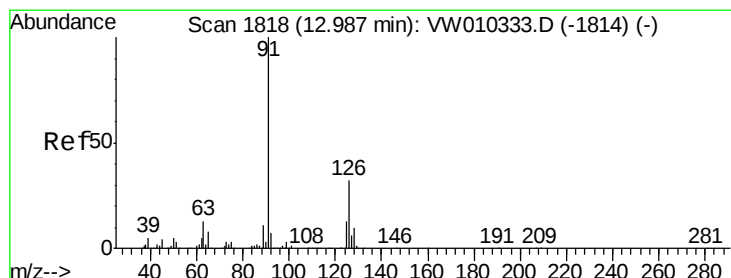
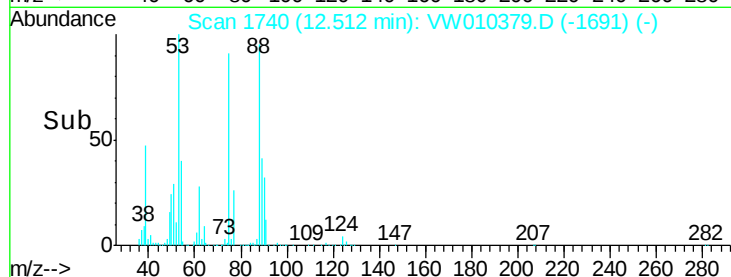
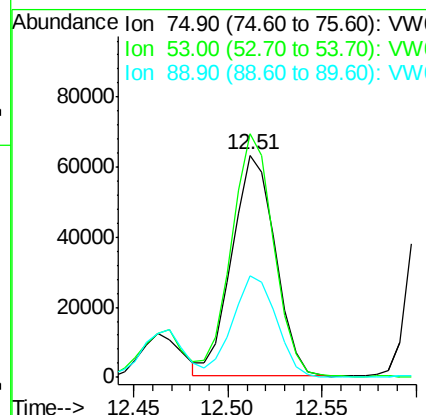
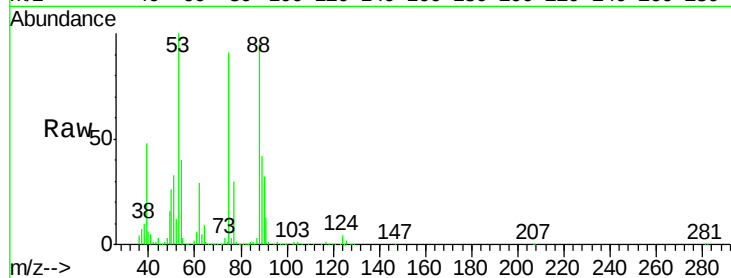
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.4	89.8	134.8
89	46.8	36.6	54.8

Manual Integrations
APPROVED

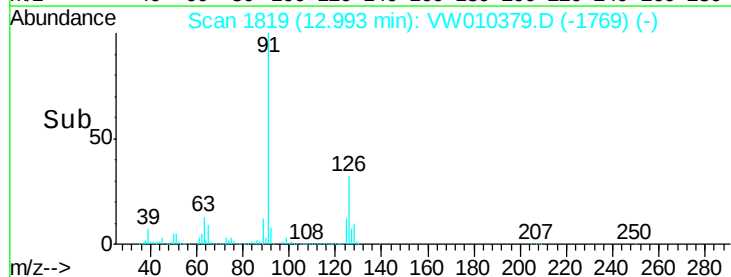
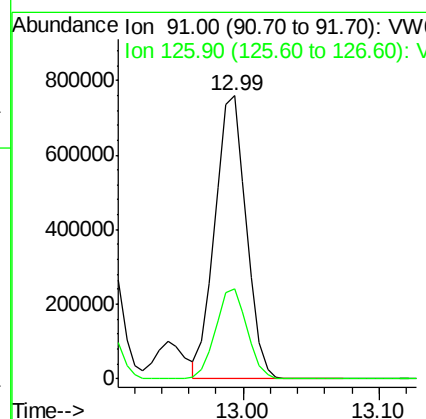
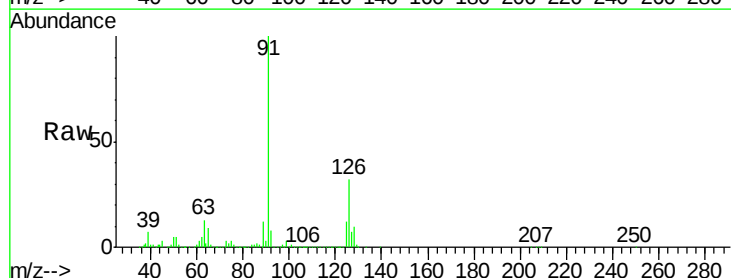
MMDadoda

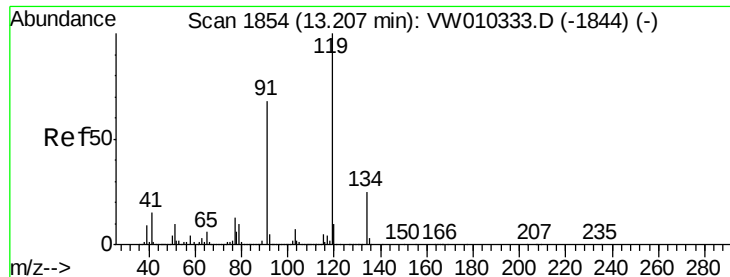
5/13/2019 3:44:09 AM



#82
4-Chlorotoluene
Concen: 21.846 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.1





#83
tert-Butylbenzene
Concen: 21.176 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

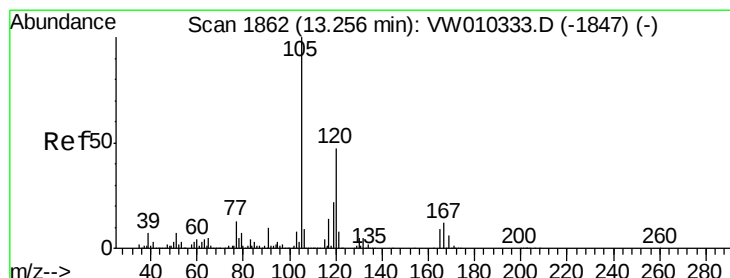
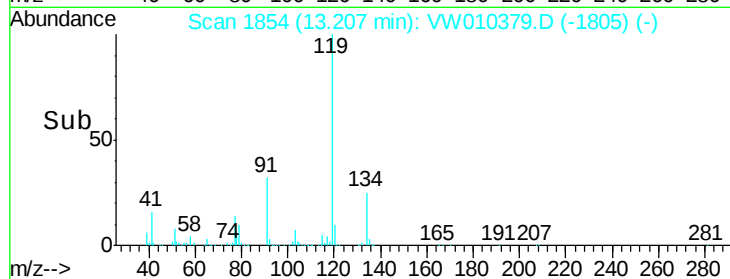
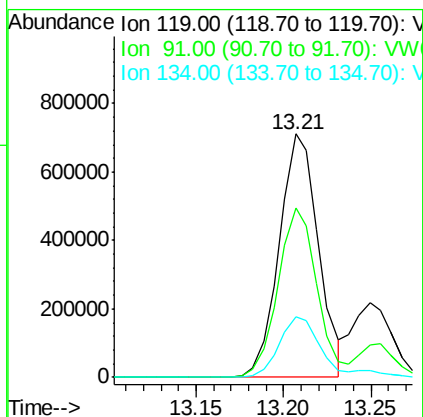
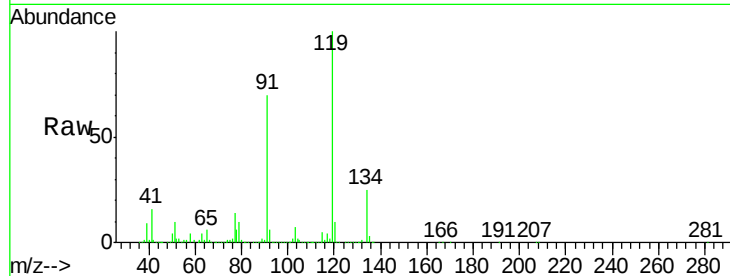
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion:119 Resp: 1114653
Ion Ratio Lower Upper
119 100
91 69.3 34.8 104.4
134 27.7 13.7 41.1

Manual Integrations
APPROVED

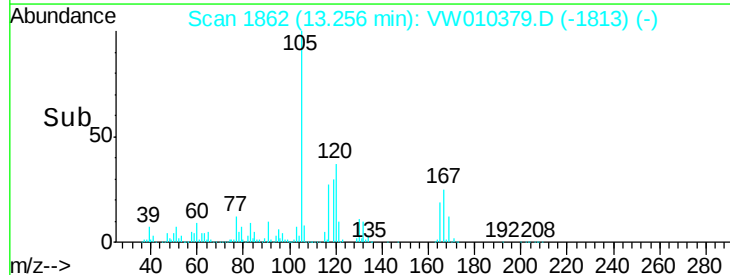
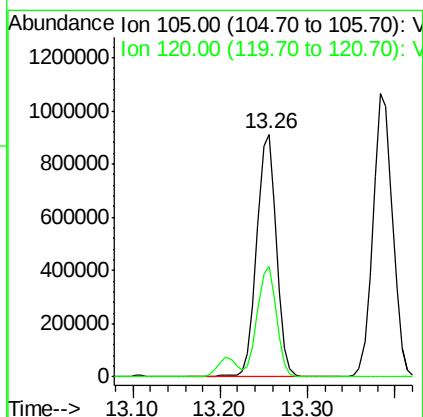
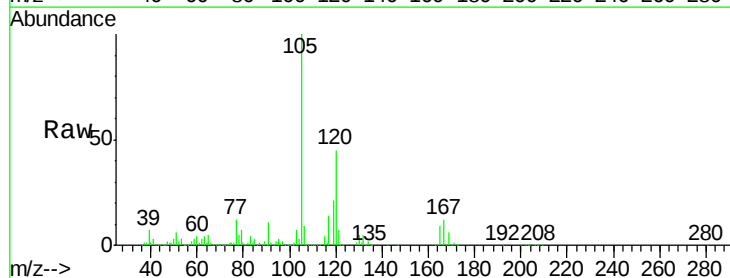
MMDadoda

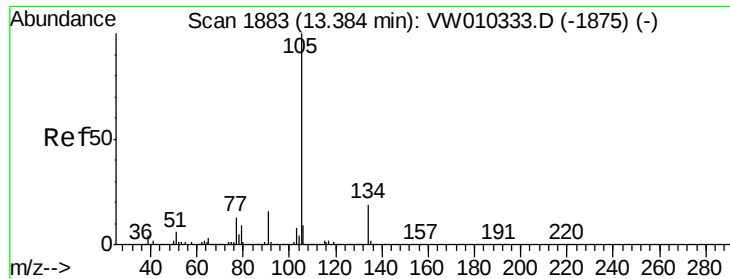
5/13/2019 3:44:09 AM



#84
1,2,4-Trimethylbenzene
Concen: 22.556 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion:105 Resp: 1414538
Ion Ratio Lower Upper
105 100
120 44.8 22.6 67.7





#85
 sec-Butylbenzene
 Concen: 21.411 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

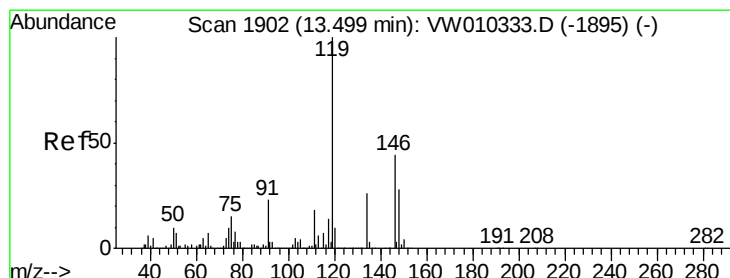
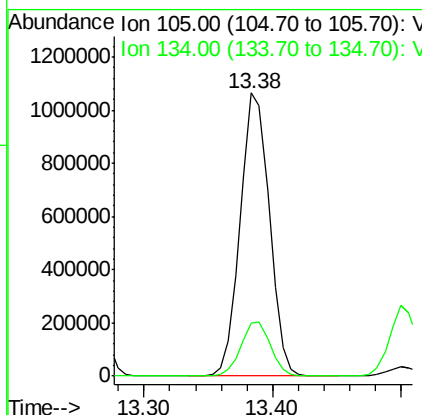
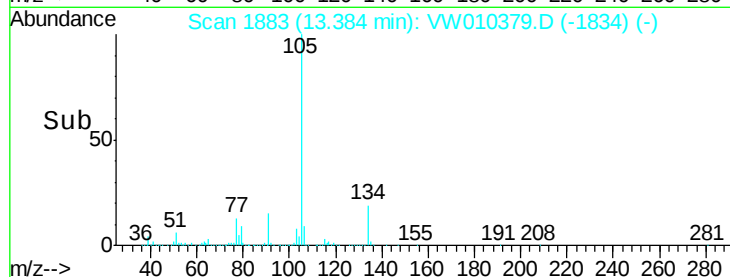
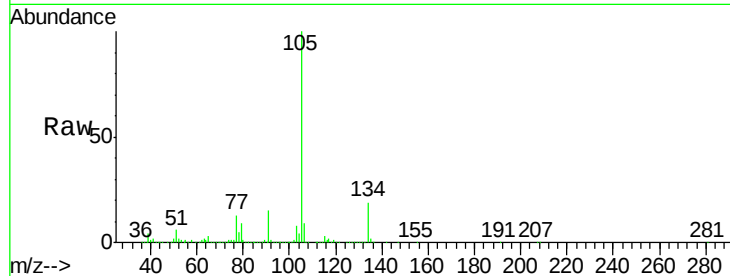
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion:105 Resp: 1663745
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5

Manual Integrations
 APPROVED

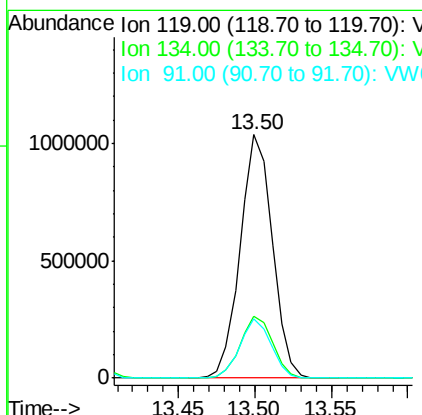
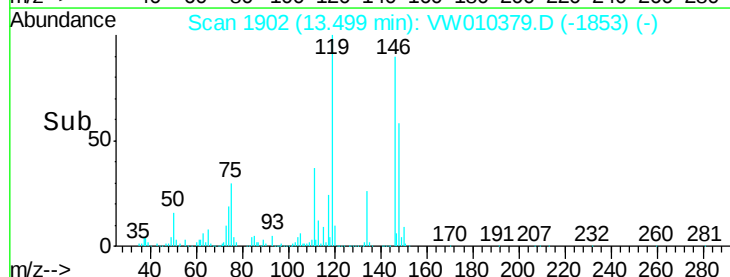
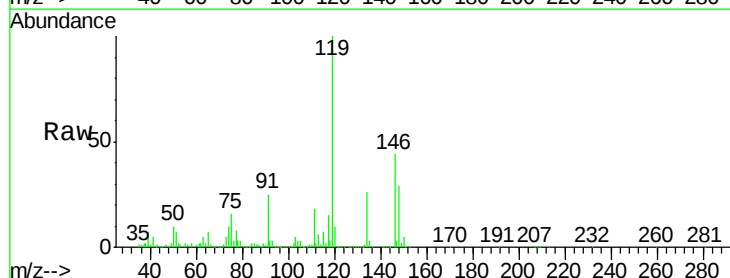
MMDadoda

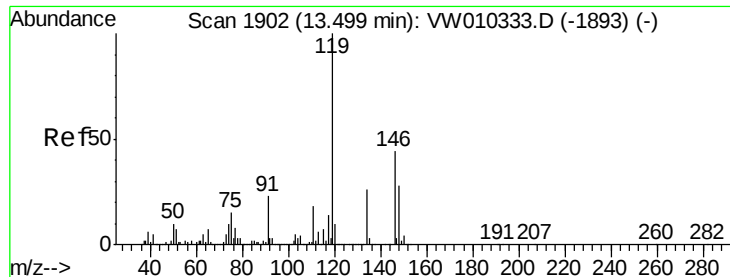
5/13/2019 3:44:09 AM



#86
 p-Isopropyltoluene
 Concen: 21.974 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion:119 Resp: 1516055
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 23.6 12.3 36.9





#87
 1,3-Dichlorobenzene
 Concen: 21.888 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

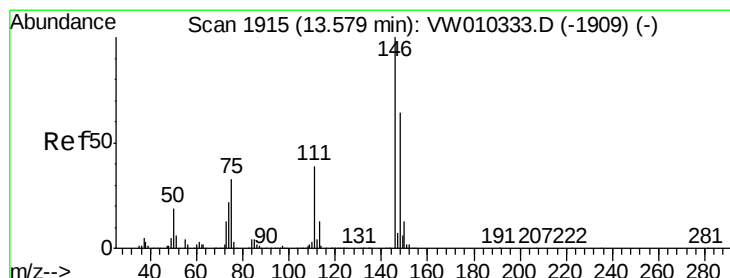
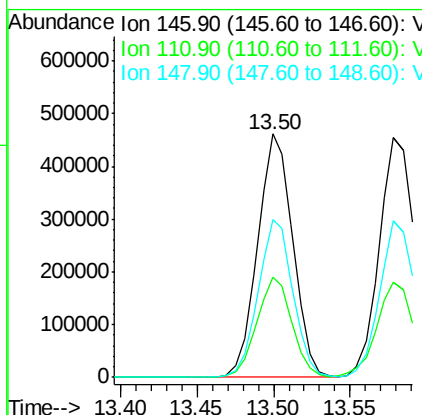
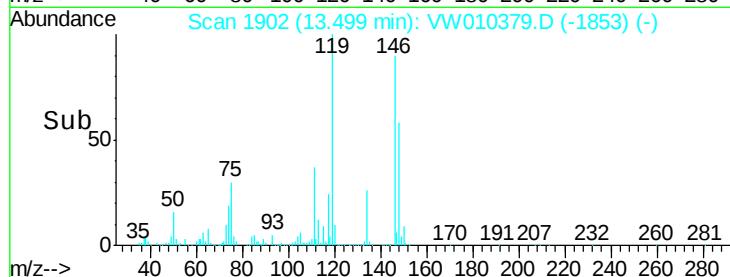
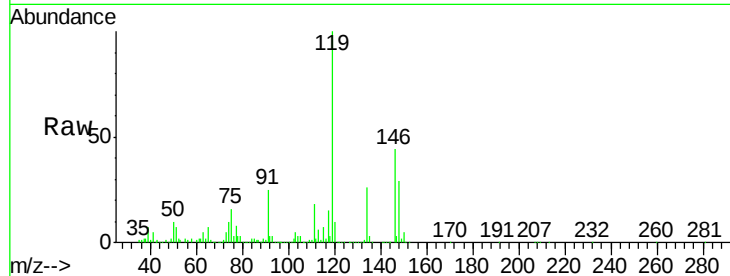
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	738742		
111	40.9	20.3	61.0	
148	64.1	32.0	96.2	

Manual Integrations
 APPROVED

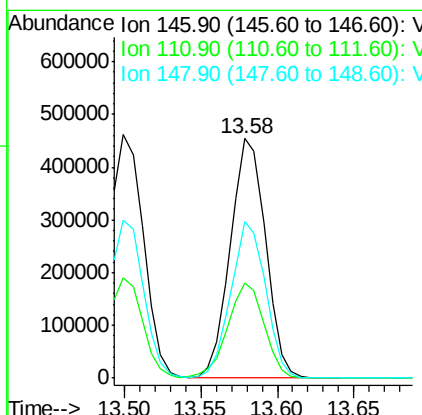
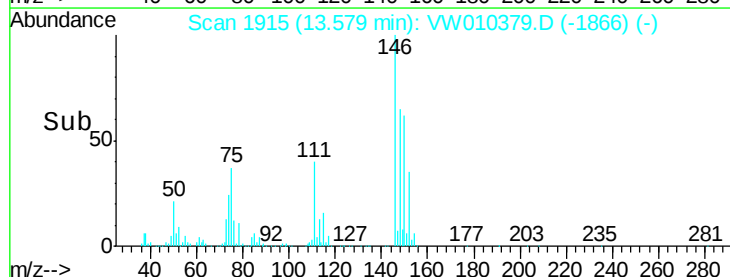
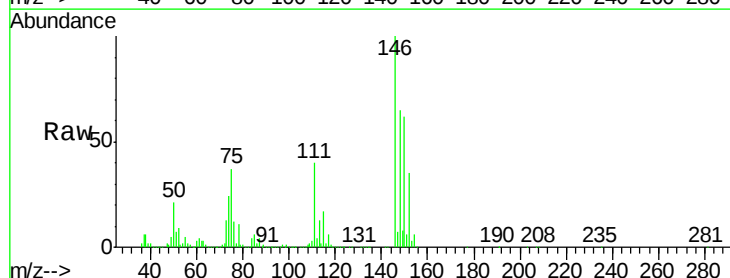
MMDadoda

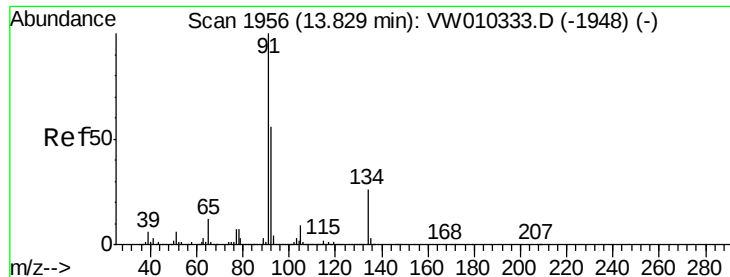
5/13/2019 3:44:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.733 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	727945		
111	40.8	20.1	60.3	
148	64.4	31.8	95.3	





#89
n-Butylbenzene
Concen: 21.631 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

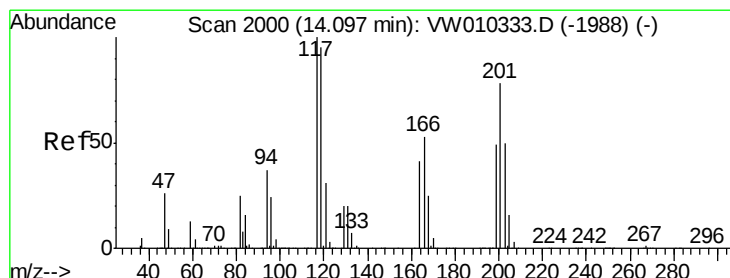
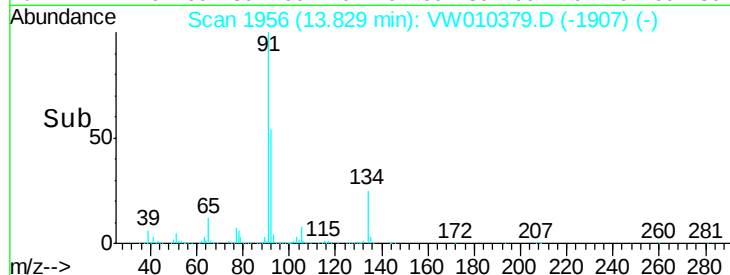
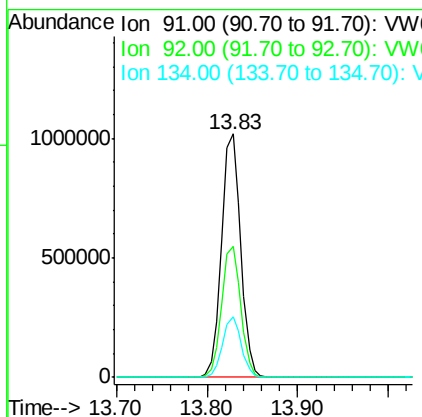
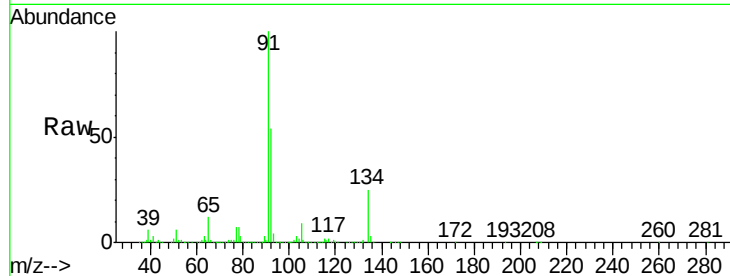
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion: 91 Resp: 1496428
Ion Ratio Lower Upper
91 100
92 54.1 26.5 79.4
134 24.4 12.4 37.0

Manual Integrations
APPROVED

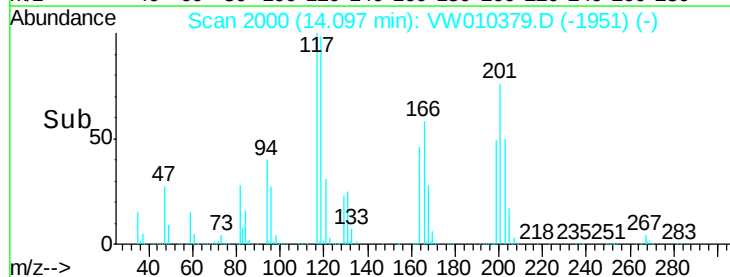
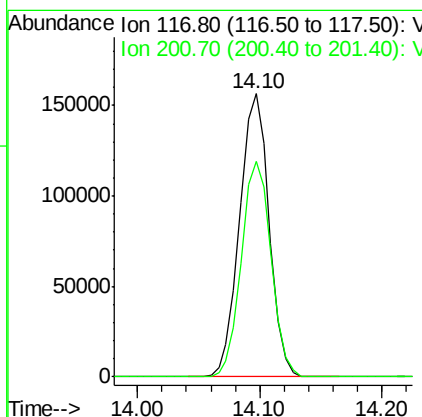
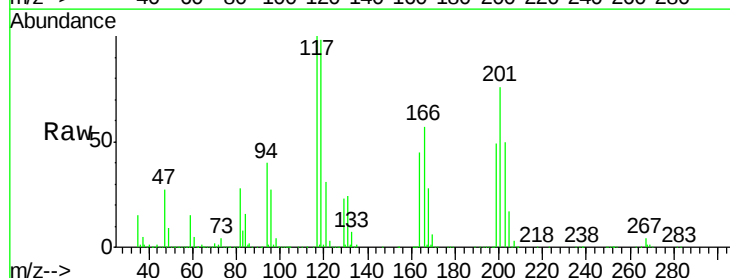
MMDadoda

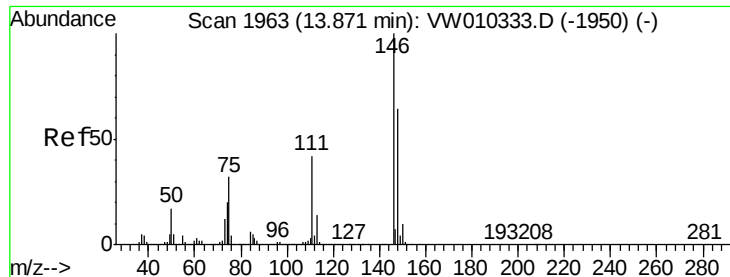
5/13/2019 3:44:09 AM



#90
Hexachloroethane
Concen: 20.457 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 117 Resp: 261786
Ion Ratio Lower Upper
117 100
201 76.8 36.1 108.3





#91
 1,2-Dichlorobenzene
 Concen: 22.052 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

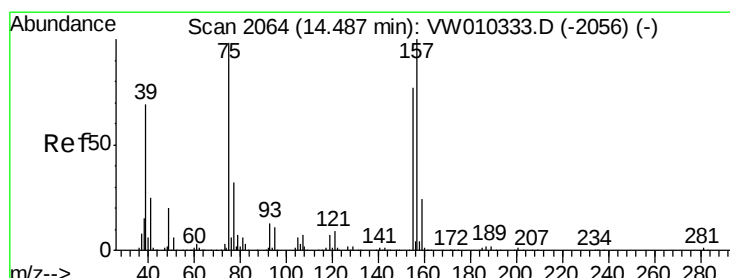
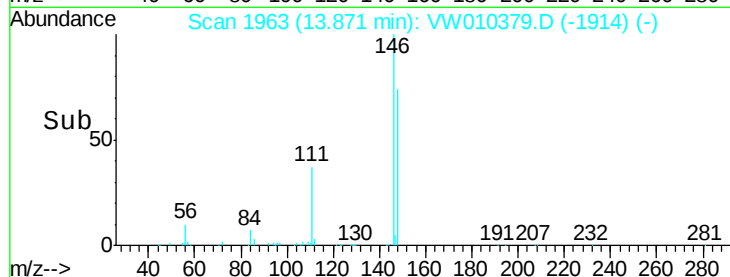
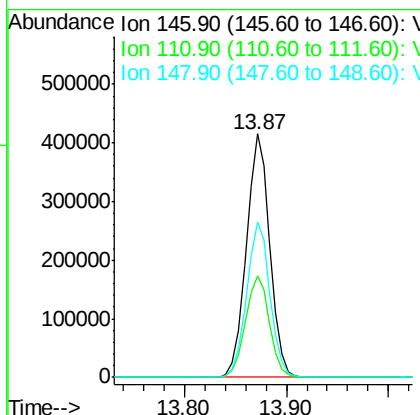
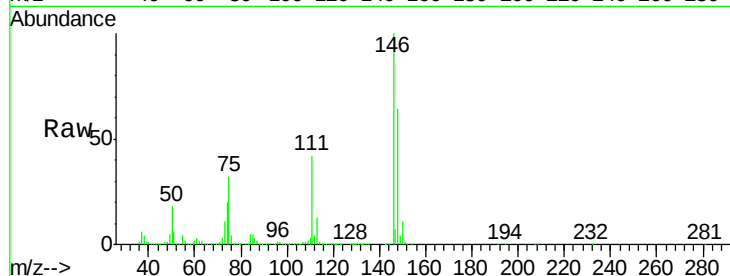
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	63.9	31.9	95.7

Manual Integrations
 APPROVED

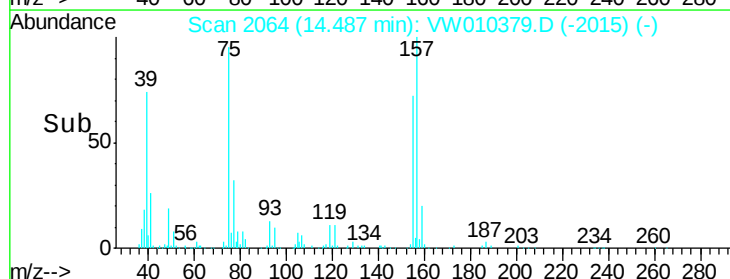
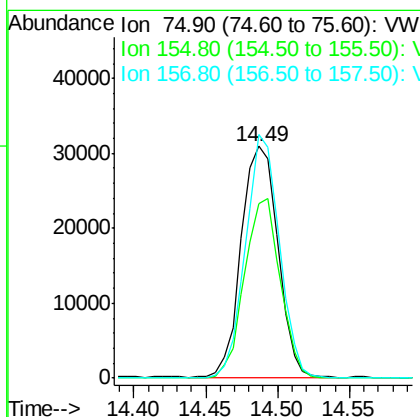
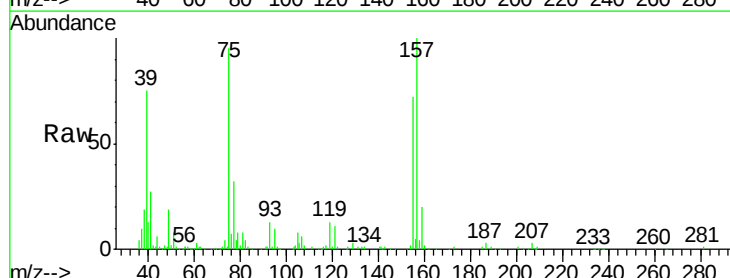
MMDadoda

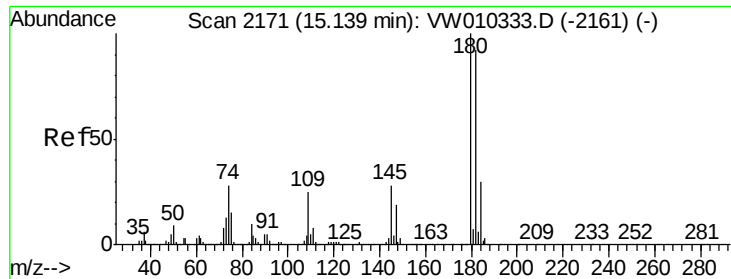
5/13/2019 3:44:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.330 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	37.1	111.5
157	97.1	47.3	141.9





#93
 1,2,4-Trichlorobenzene
 Concen: 22.392 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

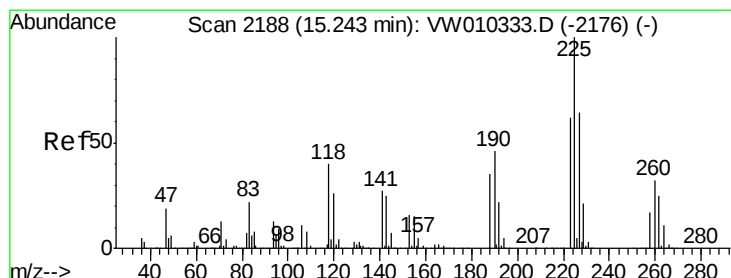
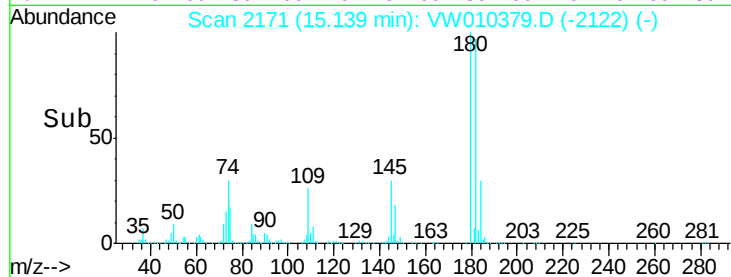
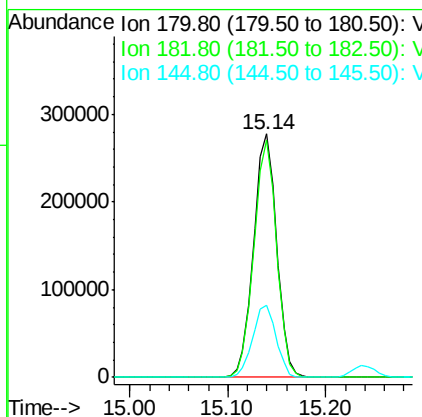
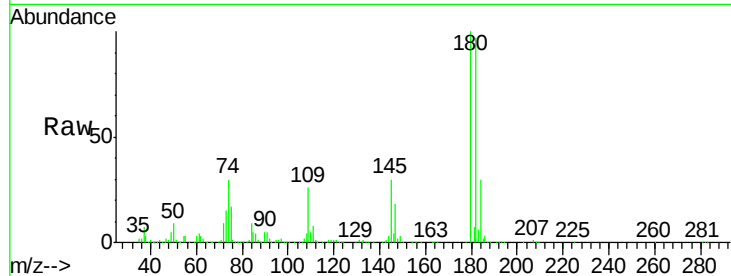
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	456594		
182	96.1	47.1	141.4	
145	30.2	15.2	45.6	

Manual Integrations
 APPROVED

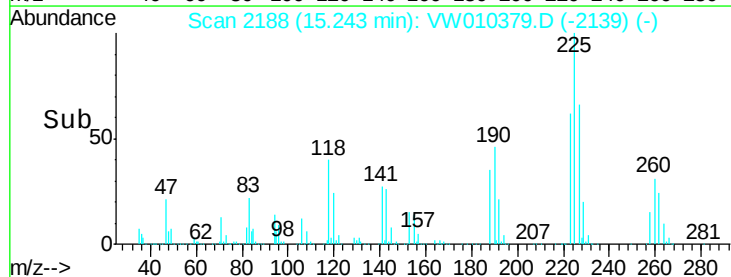
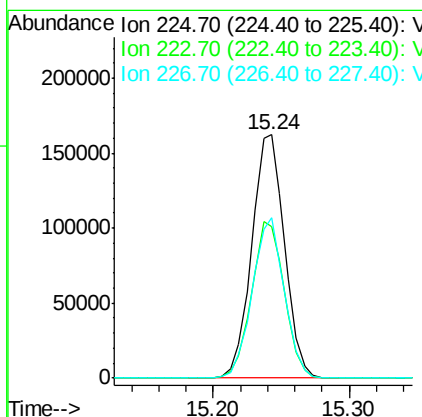
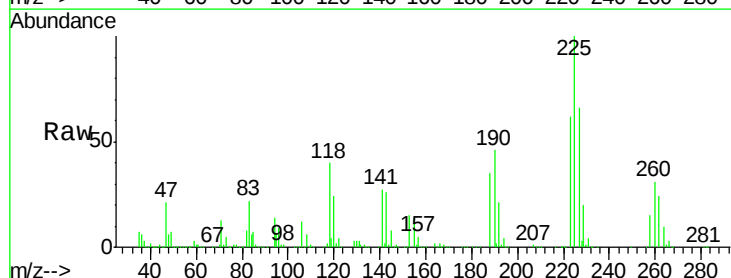
MMDadoda

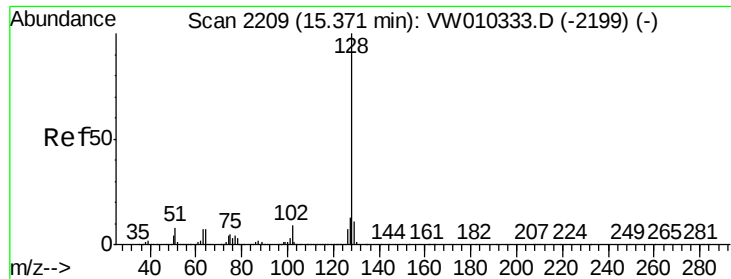
5/13/2019 3:44:09 AM



#94
 Hexachlorobutadiene
 Concen: 20.967 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	274090		
223	64.1	31.9	95.5	
227	64.0	31.8	95.3	





#95
Naphthalene
Concen: 20.746 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

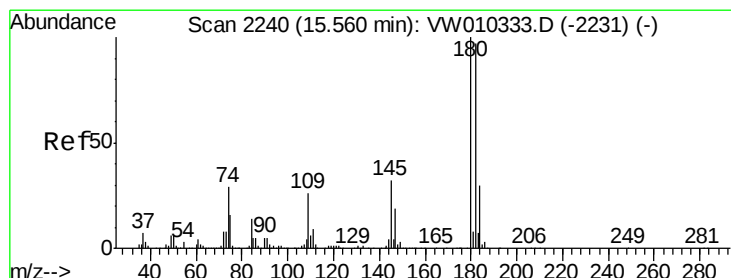
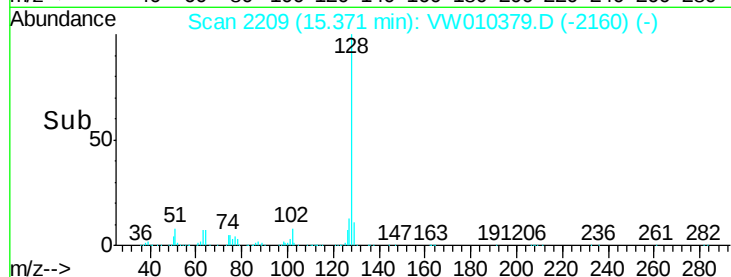
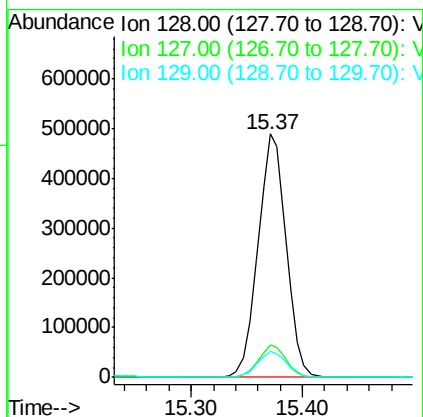
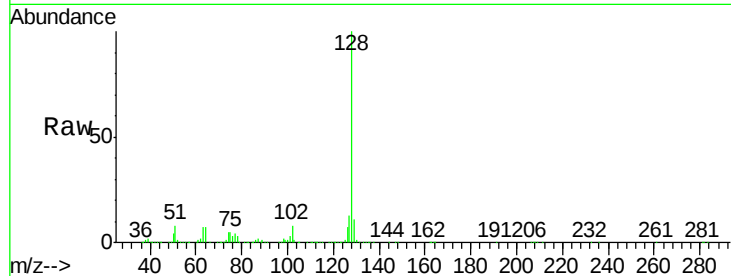
Instrument :
MSVOA_W
ClientSampleId :
VW0511SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	860853		
127	13.2		10.6	15.8
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda

5/13/2019 3:44:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.678 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	417760		
182	93.9		47.8	143.3
145	32.0		16.4	49.2

