

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010568.D
 Acq On : 28 May 2019 15:38
 Operator : SY/VA
 Sample : VW0528SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:51 AM

Quant Time: May 29 07:33:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	134469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	197952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98980	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	68115	49.08	ug/l	0.00
Spiked Amount						
			Recovery	=	98.16%	
35) Dibromofluoromethane	7.88	113	70336	52.58	ug/l	0.00
Spiked Amount						
			Recovery	=	105.16%	
50) Toluene-d8	10.32	98	265869	52.03	ug/l	0.00
Spiked Amount						
			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.62	95	103746	50.97	ug/l	0.00
Spiked Amount						
			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	19294	15.915	ug/l	99
3) Chloromethane	2.21	50	21526	15.236	ug/l	96
4) Vinyl Chloride	2.35	62	24818	15.165	ug/l	97
5) Bromomethane	2.75	94	19080	16.947	ug/l	96
6) Chloroethane	2.90	64	17209	16.381	ug/l	99
7) Trichlorofluoromethane	3.25	101	47689	19.738	ug/l	99
8) Diethyl Ether	3.68	74	15660	20.447	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29928	20.114	ug/l	95
10) Methyl Iodide	4.26	142	28154	16.554	ug/l	96
11) Tert butyl alcohol	5.17	59	21143	169.354	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	28051	19.749	ug/l	98
13) Acrolein	3.90	56	7766	92.718	ug/l	99
14) Allyl chloride	4.67	41	39169	19.052	ug/l	99
15) Acrylonitrile	5.37	53	32863	102.456	ug/l	97
16) Acetone	4.13	43	29112	102.756	ug/l	98
17) Carbon Disulfide	4.37	76	73231	17.286	ug/l	100
18) Methyl Acetate	4.67	43	15173	21.898	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	72613	20.054	ug/l	99
20) Methylene Chloride	4.92	84	30625	14.859	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	32105	19.706	ug/l	99
22) Diisopropyl ether	6.31	45	81759	19.394	ug/l	94
23) Vinyl Acetate	6.26	43	248029	98.495	ug/l	99
24) 1,1-Dichloroethane	6.21	63	51011	20.277	ug/l	98
25) 2-Butanone	7.17	43	45133	111.317	ug/l	99
26) 2,2-Dichloropropane	7.16	77	50350	21.011	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	36249	20.466	ug/l	99
28) Bromochloromethane	7.51	49	18350	20.373	ug/l	92
29) Tetrahydrofuran	7.53	42	28105	102.440	ug/l	99
30) Chloroform	7.68	83	55711	20.531	ug/l	97
31) Cyclohexane	7.95	56	48303	18.330	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	52402	20.205	ug/l	98
36) 1,1-Dichloropropene	8.08	75	42719	20.802	ug/l	99
37) Ethyl Acetate	7.25	43	19628	22.476	ug/l	99
38) Carbon Tetrachloride	8.07	117	48323	21.813	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010568.D
 Acq On : 28 May 2019 15:38
 Operator : SY/VA
 Sample : VW0528SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:51 AM

Quant Time: May 29 07:33:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	57509	20.902	ug/l	96
40) Benzene	8.32	78	120441	21.101	ug/l	99
41) Methacrylonitrile	7.49	41	11567	22.292	ug/l	95
42) 1,2-Dichloroethane	8.40	62	35022	21.468	ug/l	99
43) Isopropyl Acetate	8.43	43	37801	21.667	ug/l	99
44) Trichloroethene	9.09	130	37325	22.026	ug/l	98
45) 1,2-Dichloropropane	9.37	63	28940	21.348	ug/l	100
46) Dibromomethane	9.46	93	17407	21.956	ug/l	94
47) Bromodichloromethane	9.65	83	42414	21.289	ug/l	100
48) Methyl methacrylate	9.44	41	16289	20.408	ug/l	97
49) 1,4-Dioxane	9.45	88	5523	426.458	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	95400	107.911	ug/l	99
52) Toluene	10.39	92	82296	21.469	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	42518	21.072	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	49157	21.332	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	25487	22.356	ug/l	97
56) Ethyl methacrylate	10.65	69	32188	20.472	ug/l	99
57) 1,3-Dichloropropane	10.93	76	42336	22.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	77032	110.610	ug/l	97
59) 2-Hexanone	10.97	43	67509	107.048	ug/l	100
60) Dibromochloromethane	11.13	129	31891	22.103	ug/l	99
61) 1,2-Dibromoethane	11.24	107	25761	22.307	ug/l	98
64) Tetrachloroethene	10.86	164	31399	22.754	ug/l	98
65) Chlorobenzene	11.66	112	92108	21.833	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33503	22.169	ug/l	99
67) Ethyl Benzene	11.73	91	159067	21.356	ug/l	100
68) m/p-Xylenes	11.84	106	125823	43.067	ug/l	99
69) o-Xylene	12.16	106	59772	21.594	ug/l	100
70) Styrene	12.18	104	101461	21.603	ug/l	99
71) Bromoform	12.35	173	18327	22.021	ug/l #	99
73) Isopropylbenzene	12.46	105	163479	20.814	ug/l	100
74) N-amyl acetate	12.27	43	34588	19.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	29561	20.692	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	20508m	20.412	ug/l	
77) Bromobenzene	12.75	156	39393	22.412	ug/l	95
78) n-propylbenzene	12.80	91	185893	20.309	ug/l	99
79) 2-Chlorotoluene	12.90	91	109377	20.605	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	138344	20.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9430	19.588	ug/l	96
82) 4-Chlorotoluene	12.99	91	113269	20.558	ug/l	97
83) tert-Butylbenzene	13.21	119	120049	20.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	136397	20.587	ug/l	100
85) sec-Butylbenzene	13.38	105	167010	20.538	ug/l	99
86) p-Isopropyltoluene	13.50	119	153570	20.865	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	75457	21.882	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	75186	21.731	ug/l	99
89) n-Butylbenzene	13.83	91	139155	19.876	ug/l	99
90) Hexachloroethane	14.10	117	29135	20.451	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	69232	22.034	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5116	19.259	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
Data File : VW010568.D
Acq On : 28 May 2019 15:38
Operator : SY/VA
Sample : VW0528SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

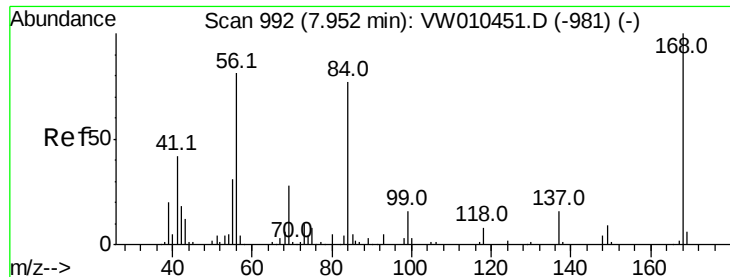
Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM

Quant Time: May 29 07:33:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	47334	22.141	ug/l	99
94) Hexachlorobutadiene	15.24	225	25482	22.312	ug/l	99
95) Naphthalene	15.37	128	95554	21.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	41952	22.806	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

Tot Ion:168 Resp: 134469

Ion Ratio Lower Upper

168 100

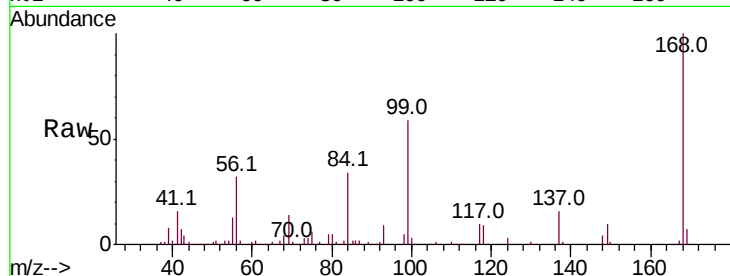
99 58.7 46.1 69.1

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

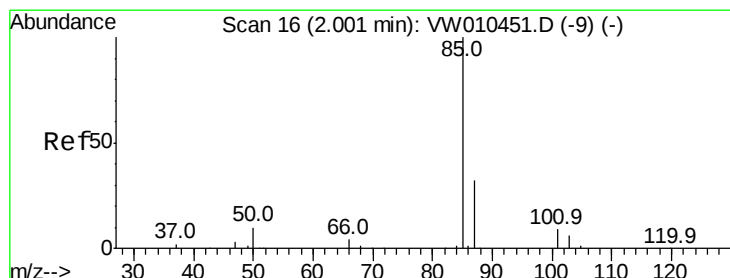
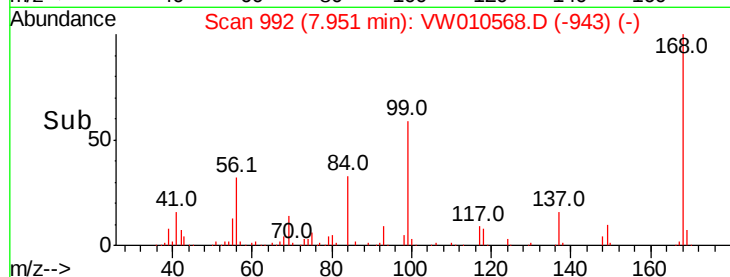
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.915 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010568.D

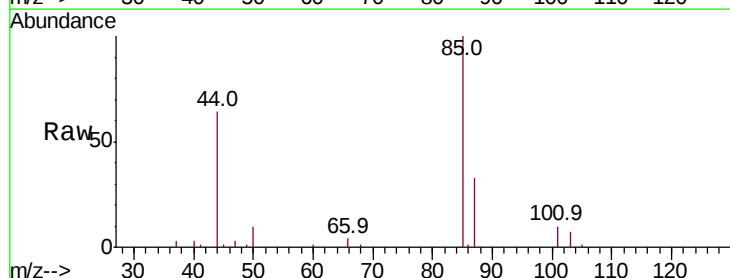
Acq: 28 May 2019 15:38

Tgt Ion: 85 Resp: 19294

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

6000

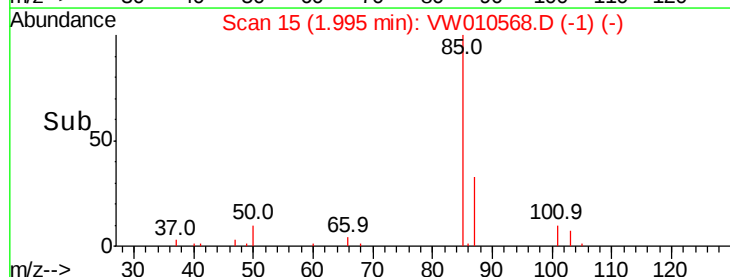
4000

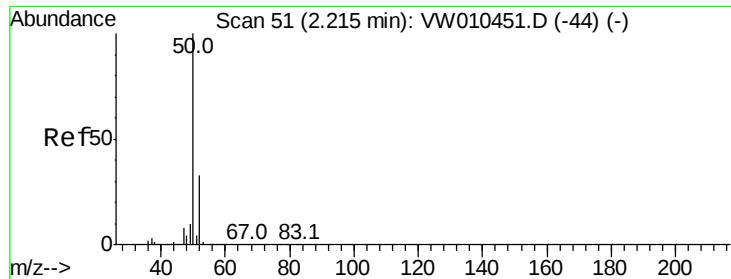
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 15.236 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 50 Resp: 21526

Ion Ratio Lower Upper

50 100

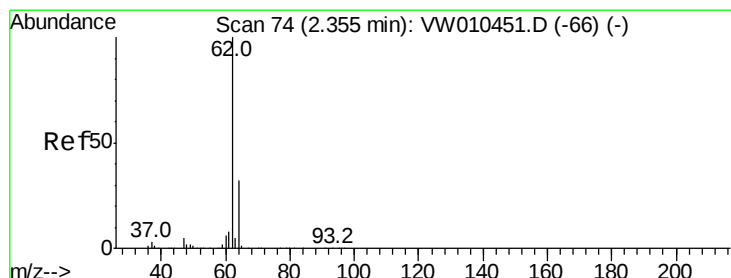
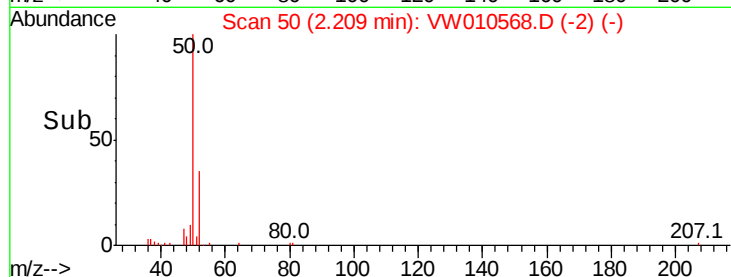
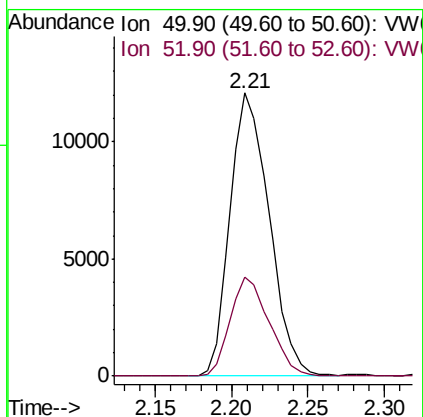
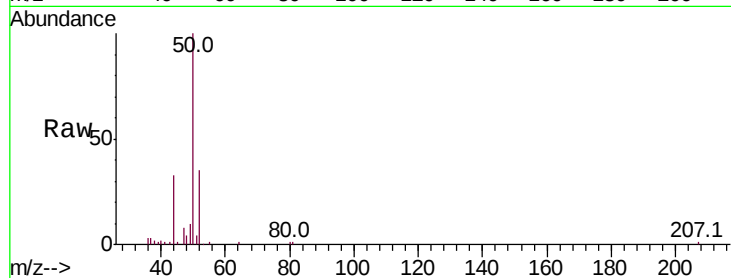
52 35.0 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#4

Vinyl Chloride

Concen: 15.165 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010568.D

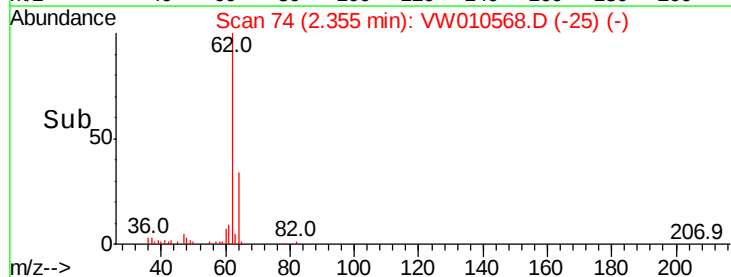
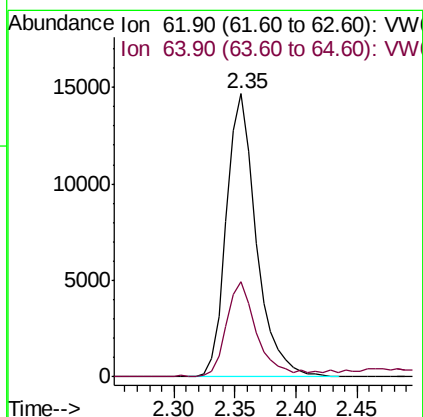
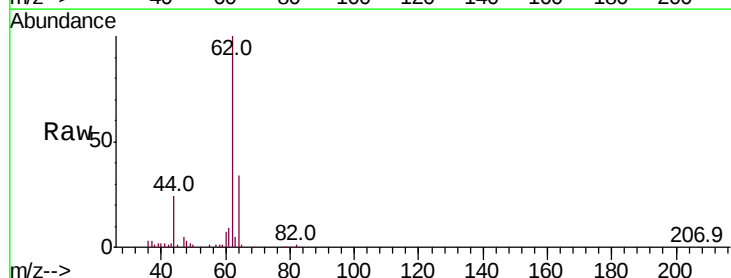
Acq: 28 May 2019 15:38

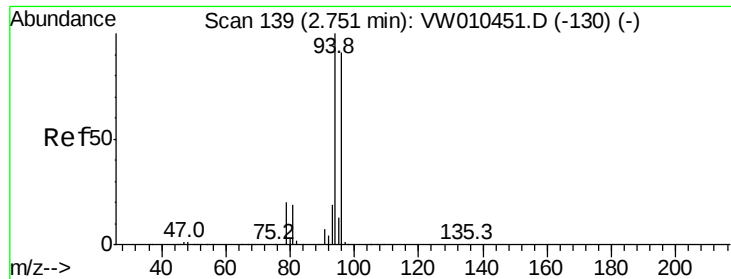
Tgt Ion: 62 Resp: 24818

Ion Ratio Lower Upper

62 100

64 33.8 25.8 38.8





#5

Bromomethane

Concen: 16.947 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 94 Resp: 19080

Ion Ratio Lower Upper

94 100

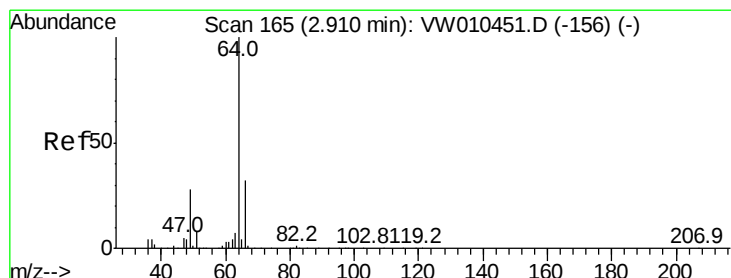
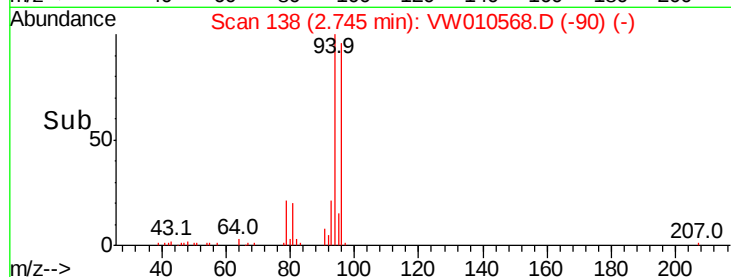
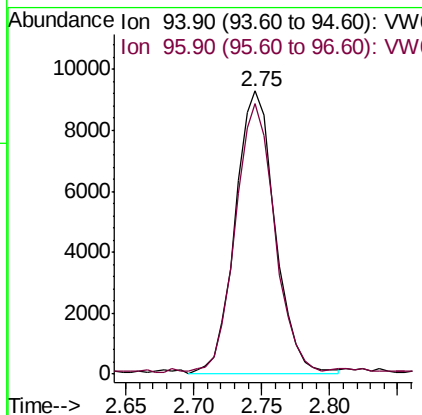
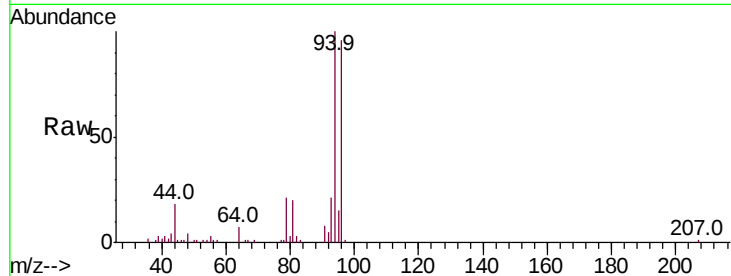
96 94.7 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#6

Chloroethane

Concen: 16.381 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010568.D

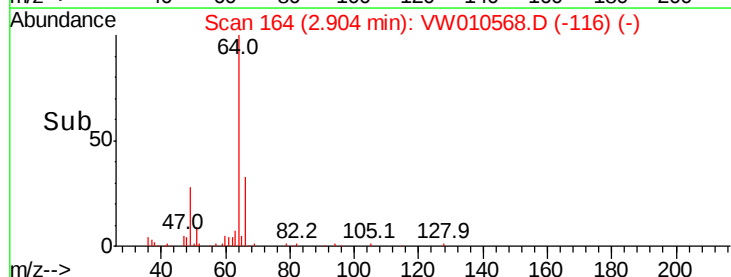
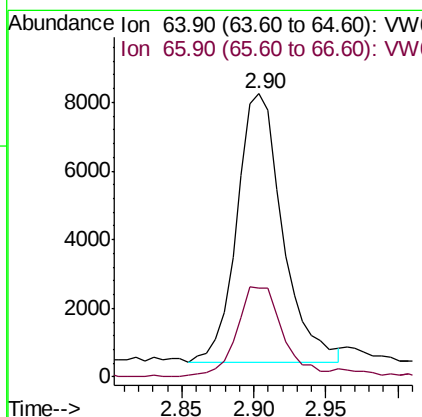
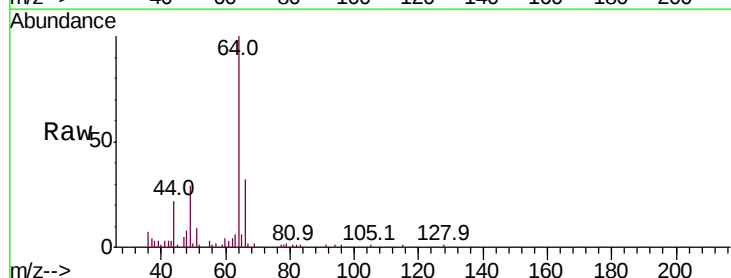
Acq: 28 May 2019 15:38

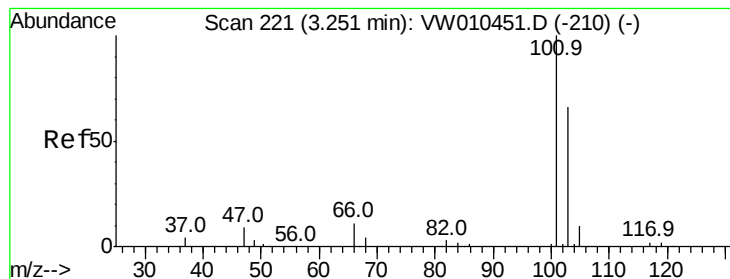
Tgt Ion: 64 Resp: 17209

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3





#7

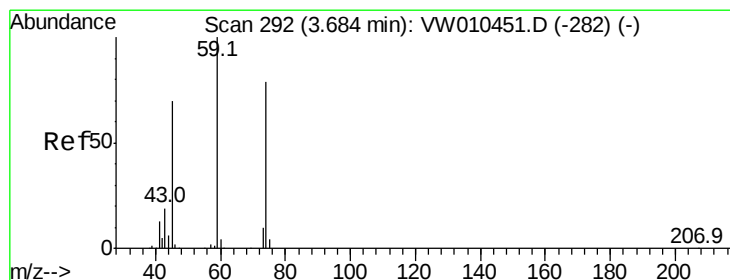
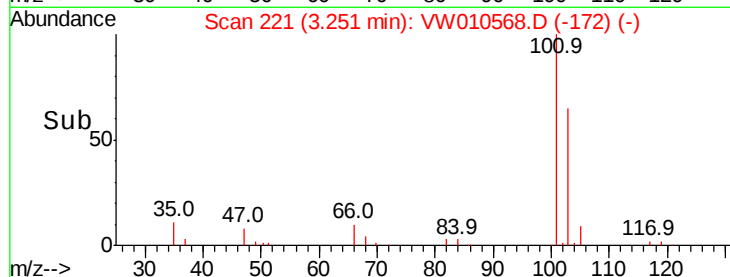
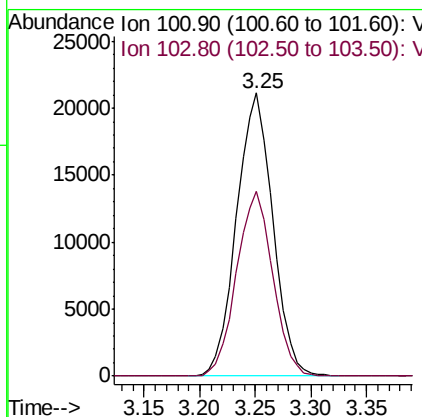
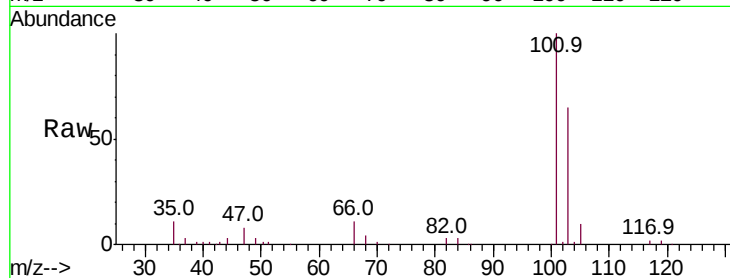
Trichlorofluoromethane
Concen: 19.738 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.0	79.4

Manual Integrations
APPROVED

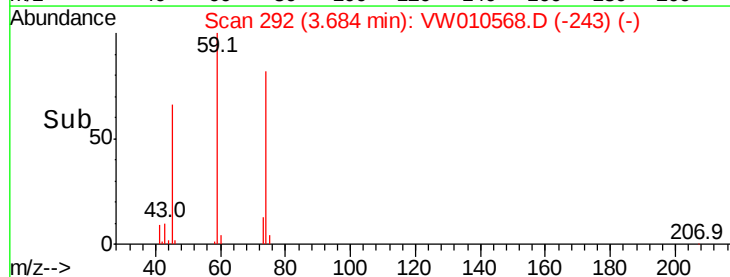
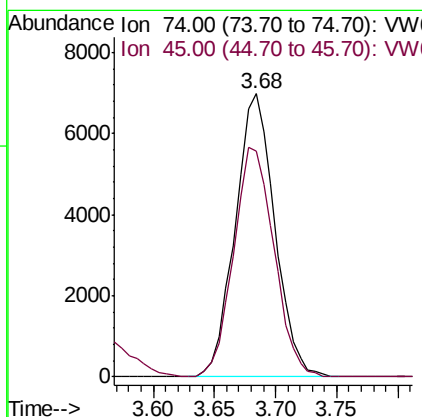
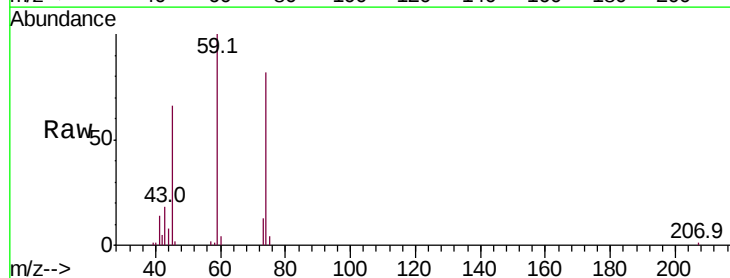
MMDadoda
5/29/2019 11:05:51 AM

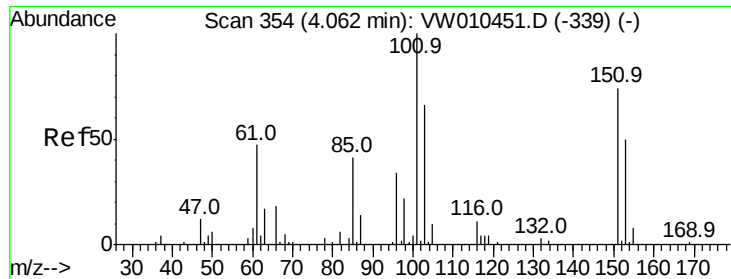


#8

Diethyl Ether
Concen: 20.447 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.0	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.114 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

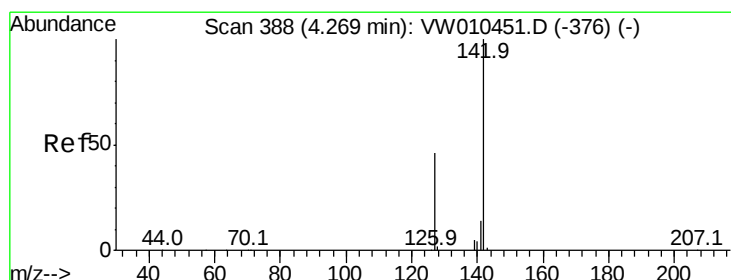
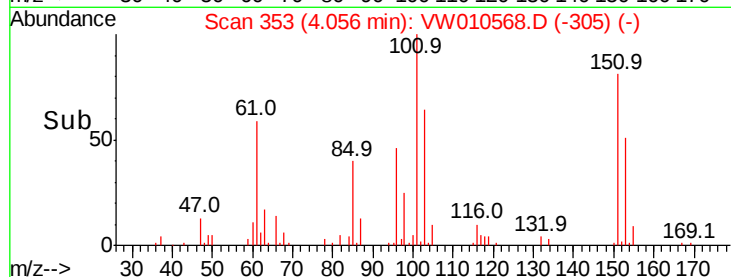
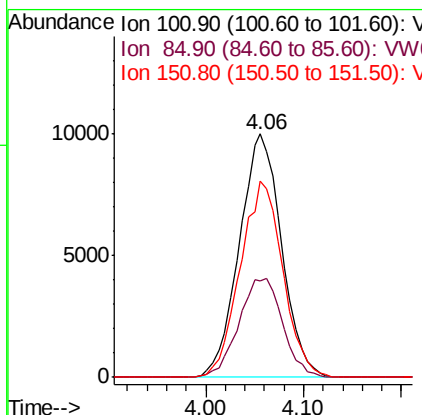
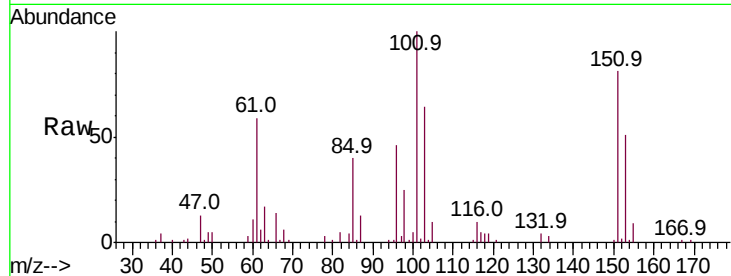
ClientSampleId :

VW0528SBS01

Tot Ion:	101	Resp:	29928
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.3	51.5
151	81.6	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#10

Methyl Iodide

Concen: 16.554 ug/l

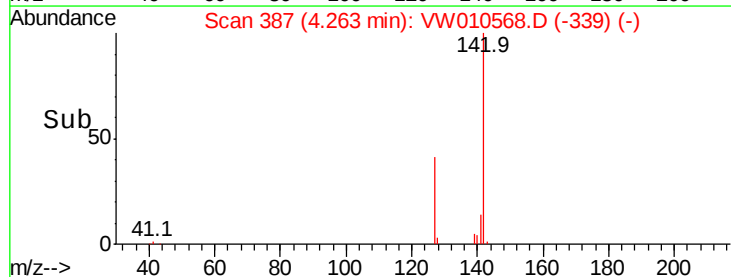
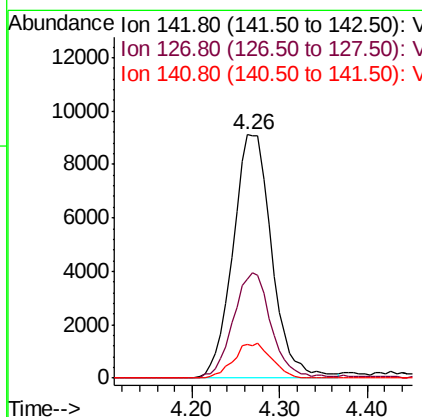
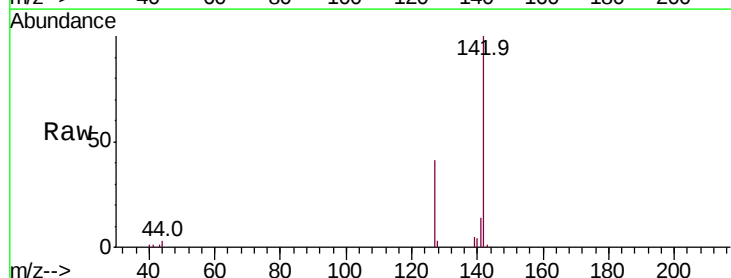
RT: 4.26 min Scan# 387

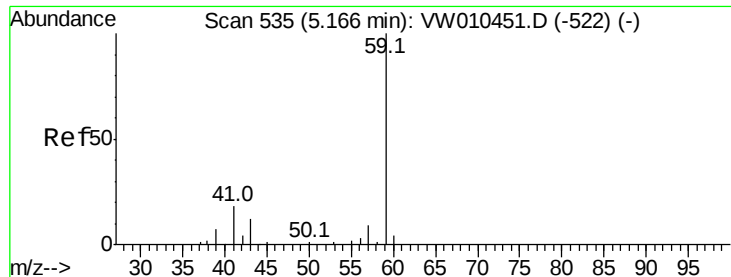
Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion:	142	Resp:	28154
Ion Ratio	Lower	Upper	
142	100		
127	42.2	36.1	54.1
141	13.7	11.3	16.9





#11

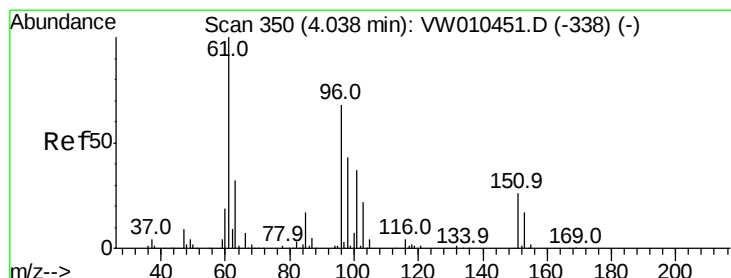
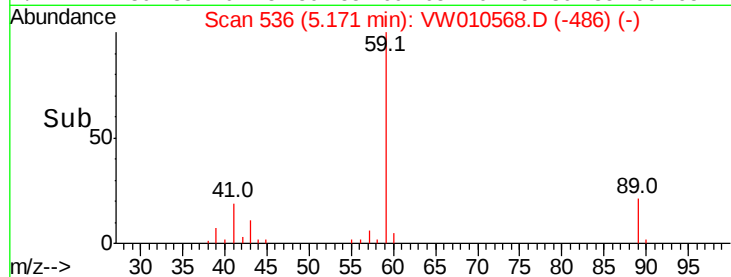
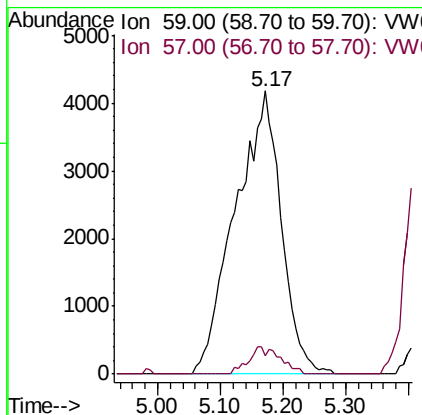
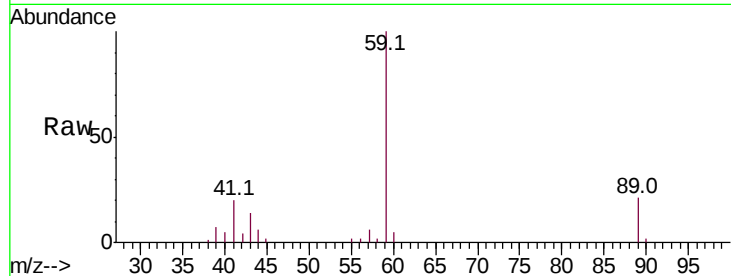
Tert butyl alcohol
 Concen: 169.354 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.6	8.8	13.2#

Manual Integrations
 APPROVED

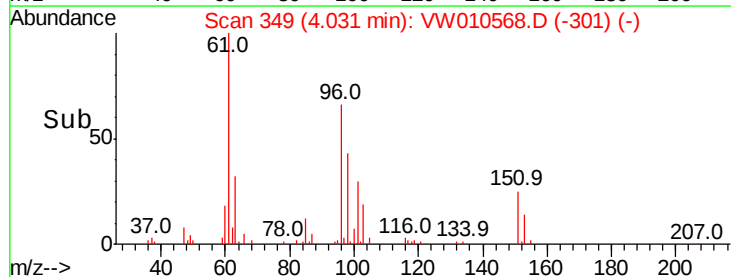
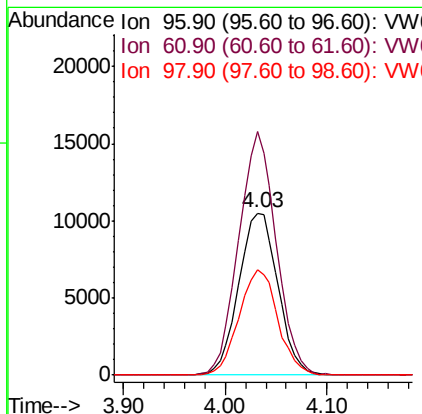
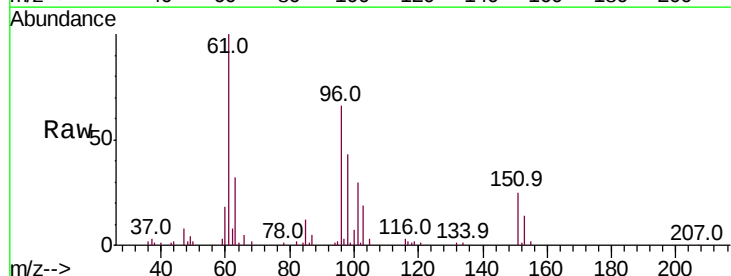
MMDadoda
 5/29/2019 11:05:51 AM

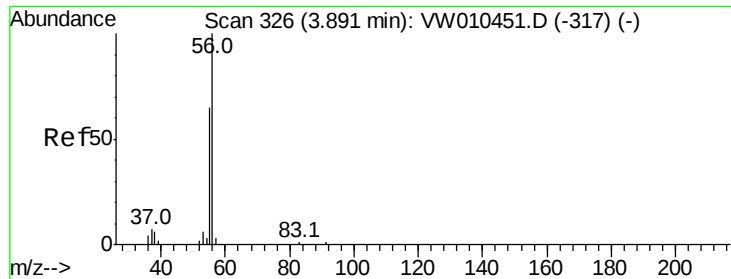


#12

1,1-Dichloroethene
 Concen: 19.749 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	118.3	177.5
98	64.9	51.0	76.6





#13

Acrolein

Concen: 92.718 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 56 Resp: 7766

Ion Ratio Lower Upper

56 100

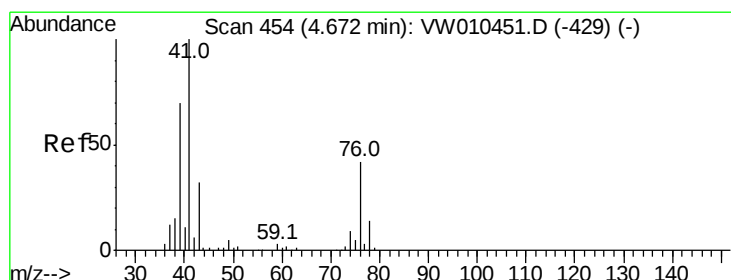
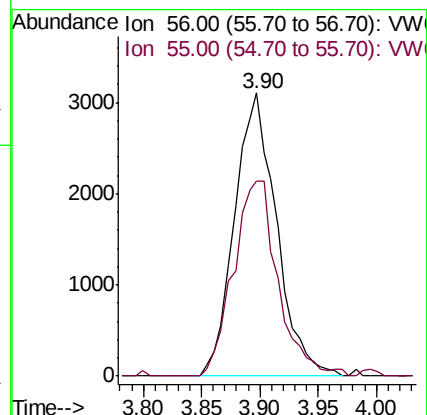
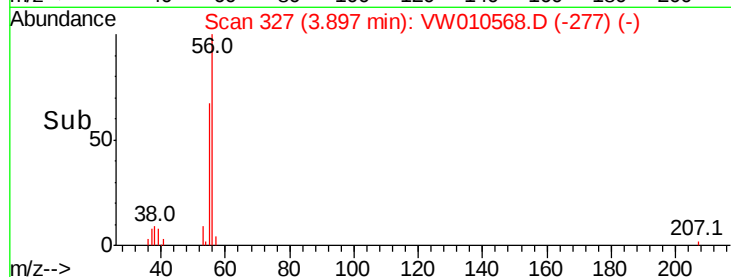
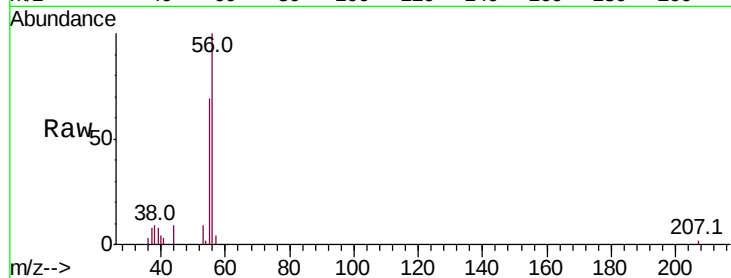
55 73.4 57.9 86.9

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#14

Allyl chloride

Concen: 19.052 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

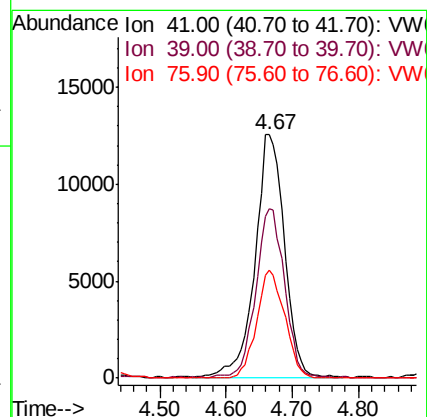
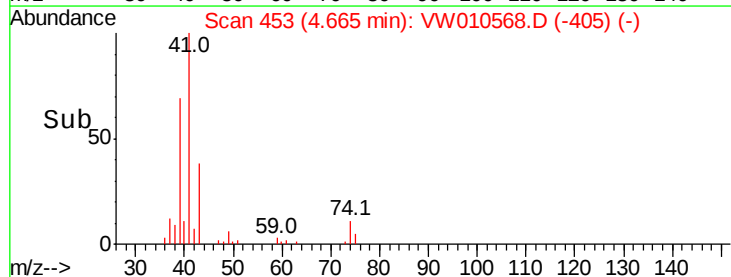
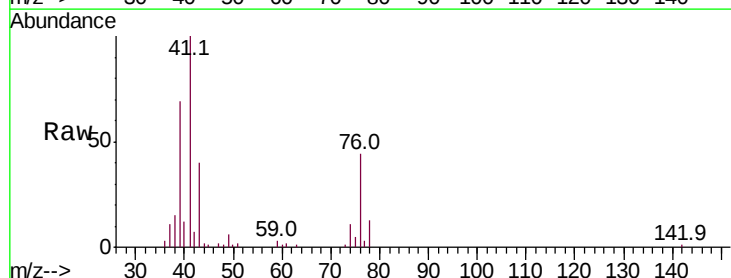
Tgt Ion: 41 Resp: 39169

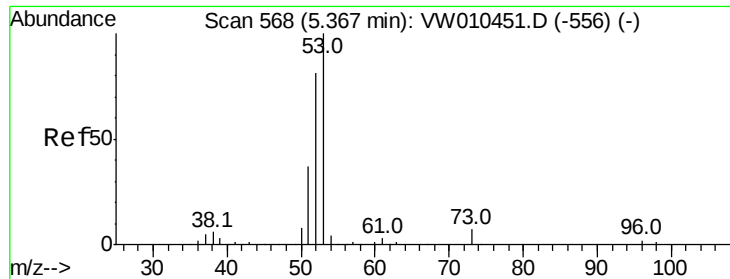
Ion Ratio Lower Upper

41 100

39 67.8 55.0 82.4

76 41.9 32.8 49.2





#15

Acrylonitrile

Concen: 102.456 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

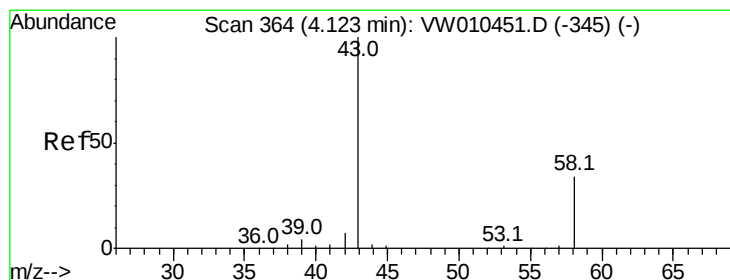
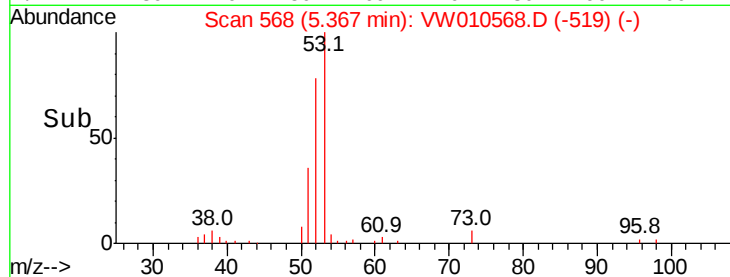
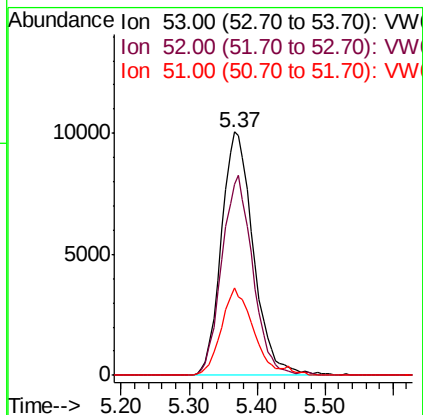
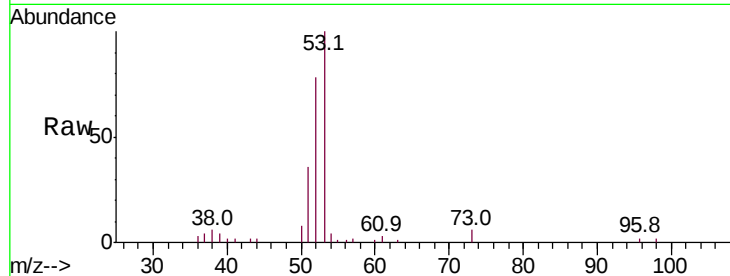
ClientSampleId :

VW0528SBS01

Tot Ion:	53	Resp:	32863
Ion Ratio	Lower	Upper	
53	100		
52	79.1	65.6	98.4
51	36.4	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#16

Acetone

Concen: 102.756 ug/l

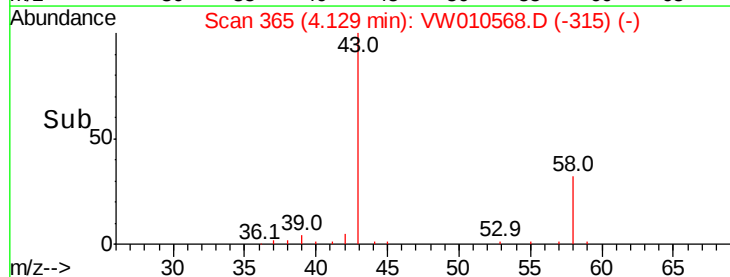
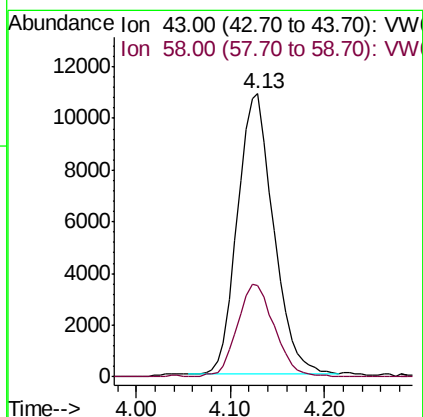
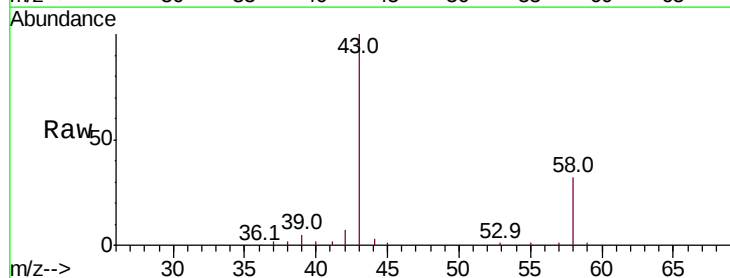
RT: 4.13 min Scan# 365

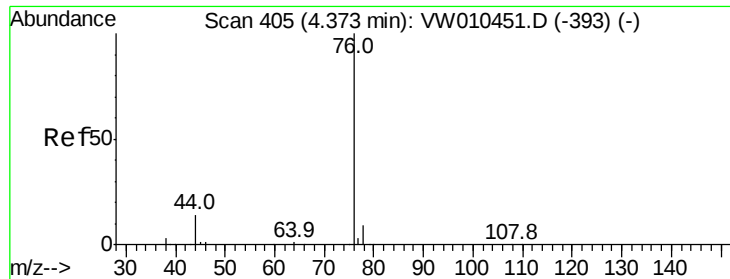
Delta R.T. 0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion:	43	Resp:	29112
Ion Ratio	Lower	Upper	
43	100		
58	32.6	27.0	40.4





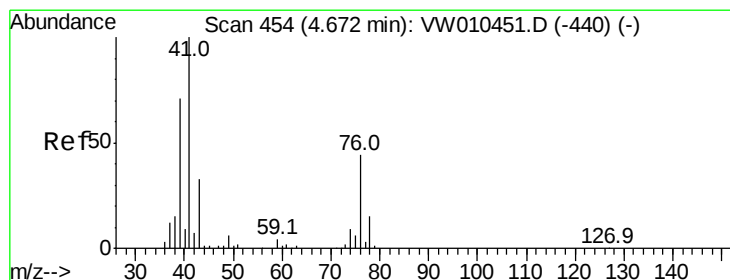
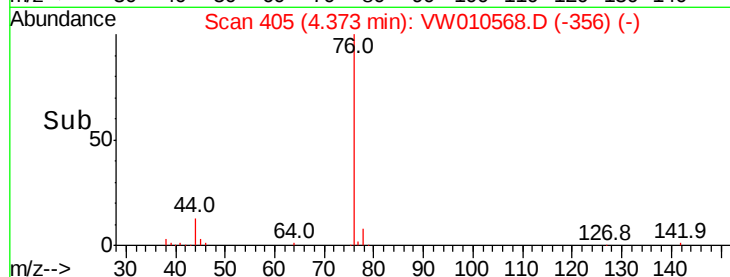
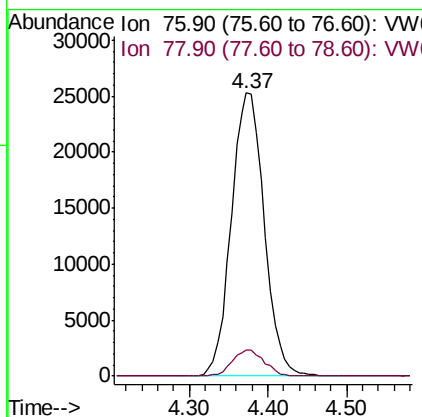
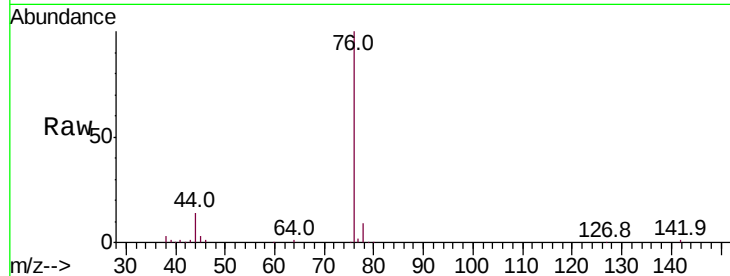
#17
Carbon Disulfide
Concen: 17.286 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

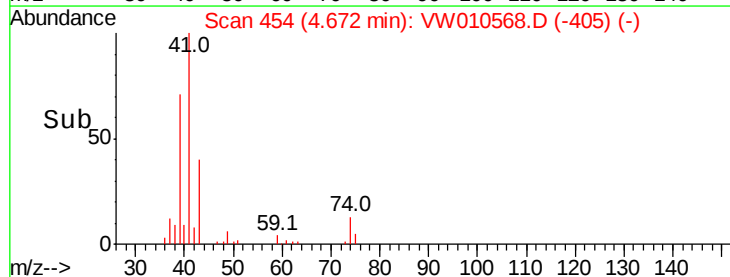
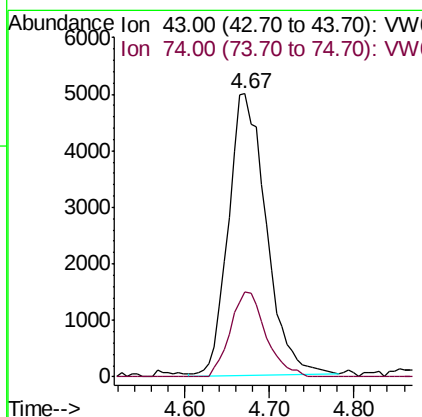
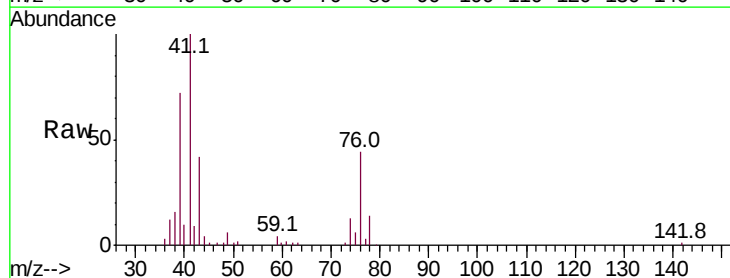
Manual Integrations
APPROVED

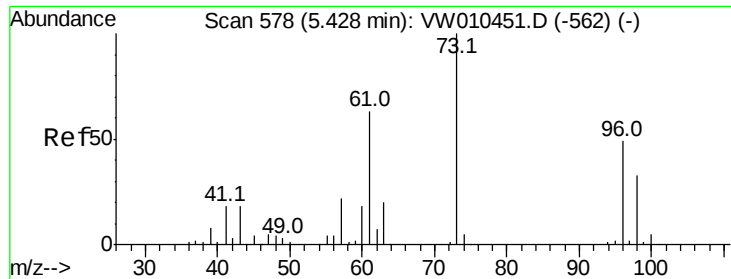
MMDadoda
5/29/2019 11:05:51 AM



#18
Methyl Acetate
Concen: 21.898 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.2	21.6	32.4





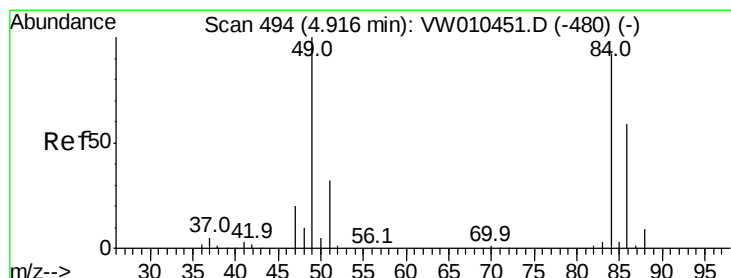
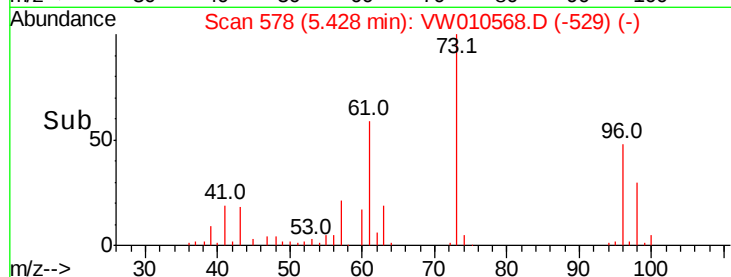
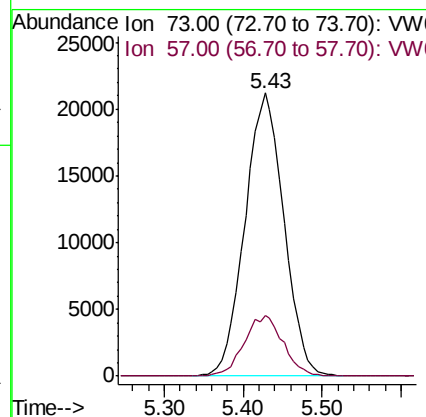
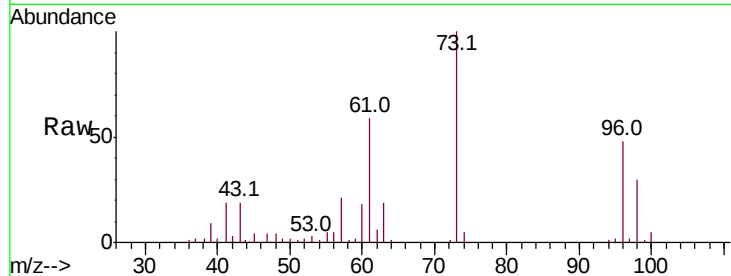
#19
Methvl tert-butvl Ether
Concen: 20.054 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion: 73 Resp: 72613
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0

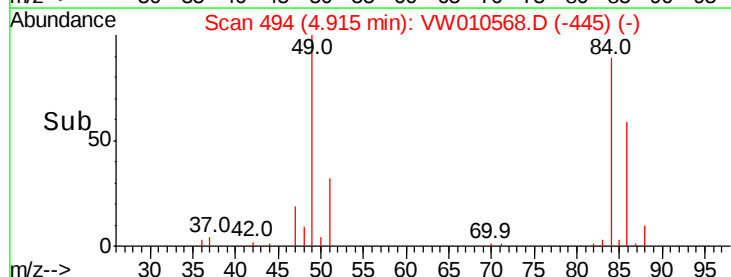
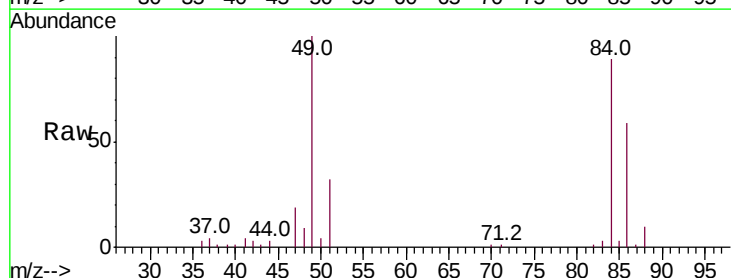
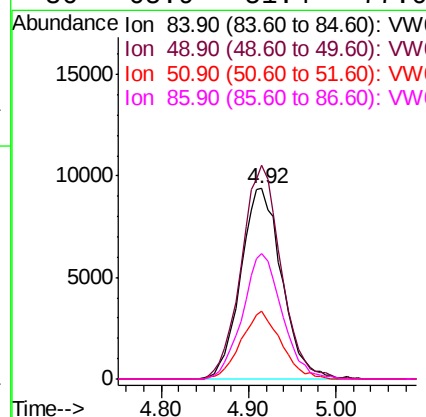
Manual Integrations
APPROVED

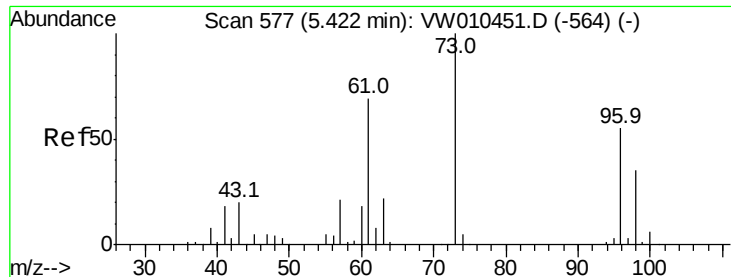
MMDadoda
5/29/2019 11:05:51 AM



#20
Methylene Chloride
Concen: 14.859 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 84 Resp: 30625
Ion Ratio Lower Upper
84 100
49 112.2 87.2 130.8
51 35.9 27.7 41.5
86 65.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.706 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampled :

VW0528SBS01

Tot Ion: 96 Resp: 32105

Ion Ratio Lower Upper

96 100

61 125.1 101.4 152.0

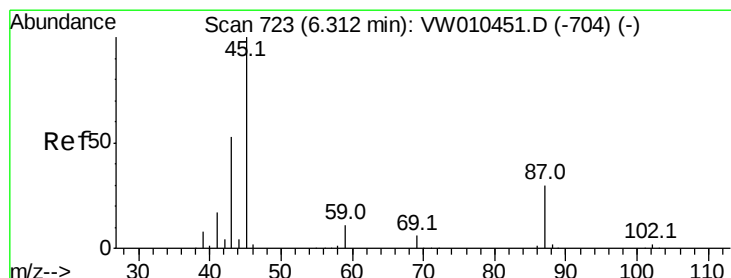
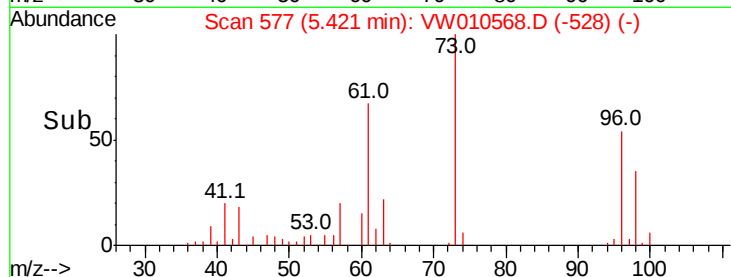
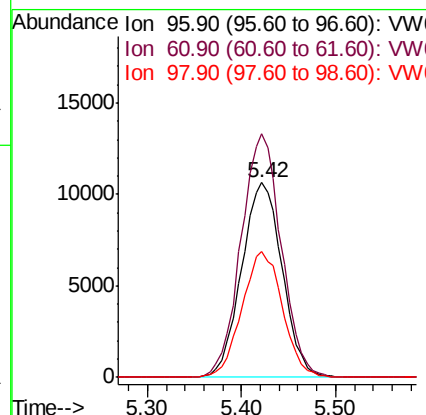
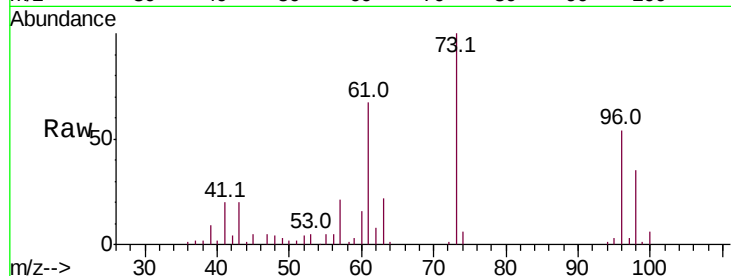
98 64.5 50.6 76.0

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#22

Diisopropyl ether

Concen: 19.394 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion: 45 Resp: 81759

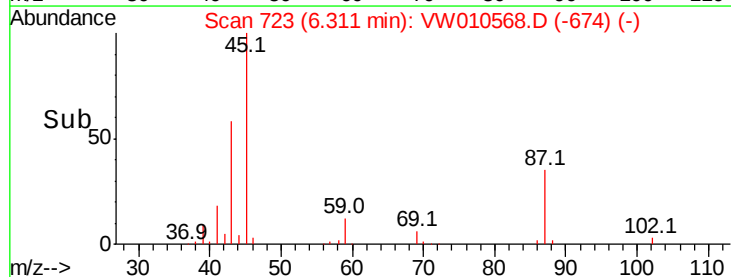
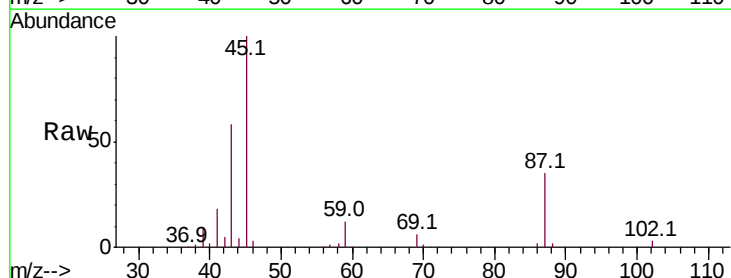
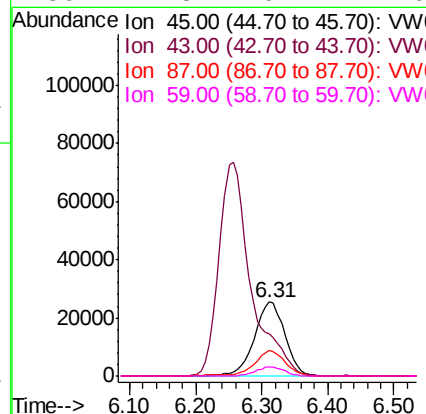
Ion Ratio Lower Upper

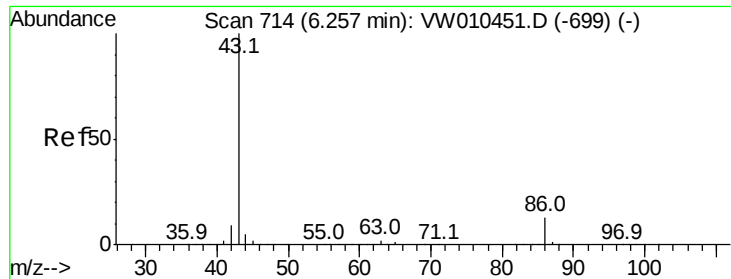
45 100

43 57.2 42.9 64.3

87 35.3 24.6 36.8

59 12.3 9.4 14.0





#23

Vinyl Acetate

Concen: 98.495 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 43 Resp: 248029

Ion Ratio Lower Upper

43 100

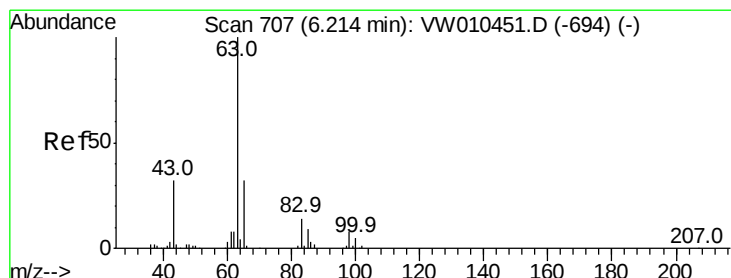
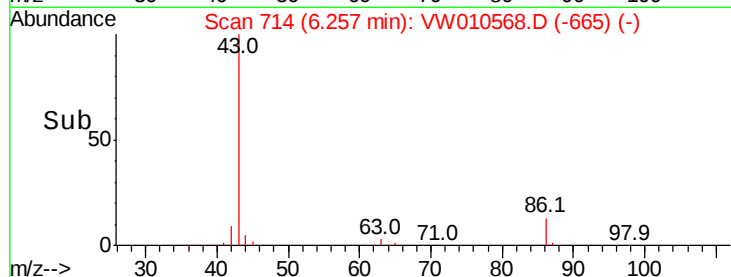
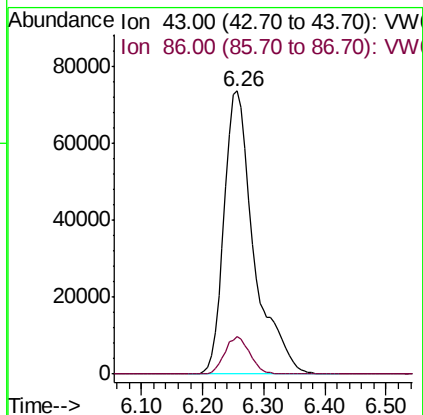
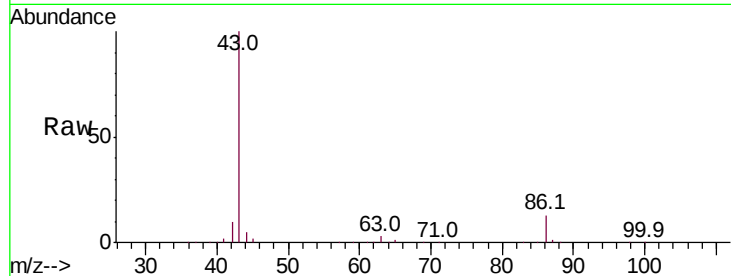
86 13.4 10.3 15.5

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#24

1,1-Dichloroethane

Concen: 20.277 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

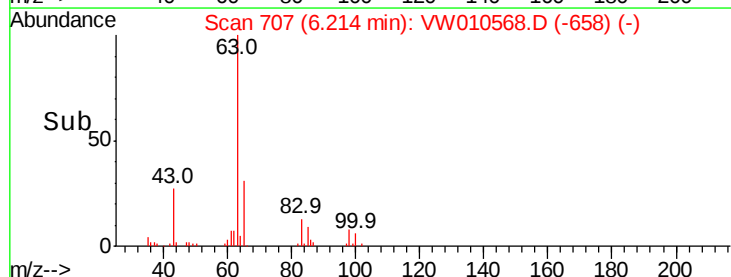
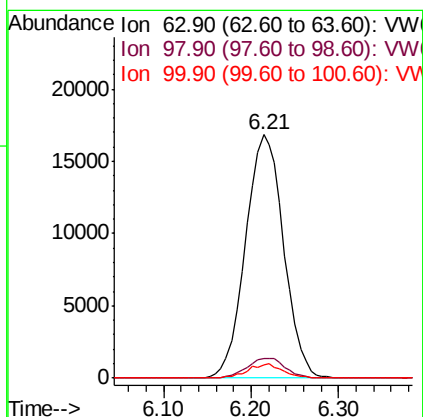
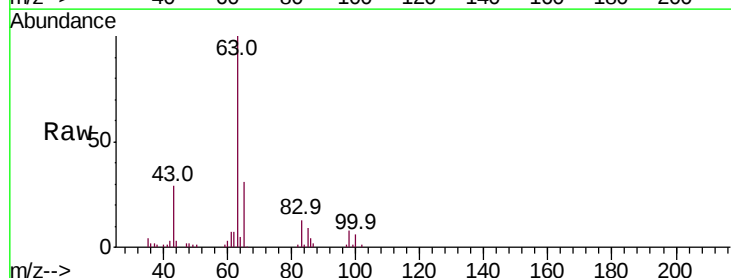
Tgt Ion: 63 Resp: 51011

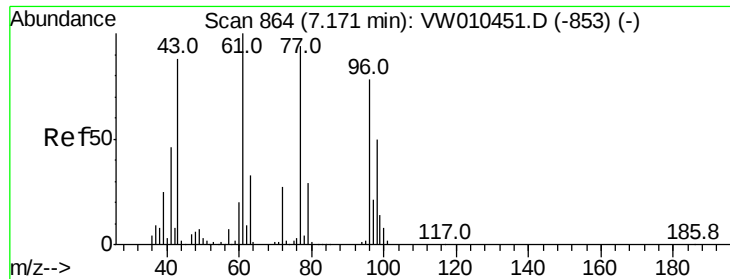
Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

100 5.6 2.5 7.4





#25

2-Butanone

Concen: 111.317 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 43 Resp: 45133

Ion Ratio Lower Upper

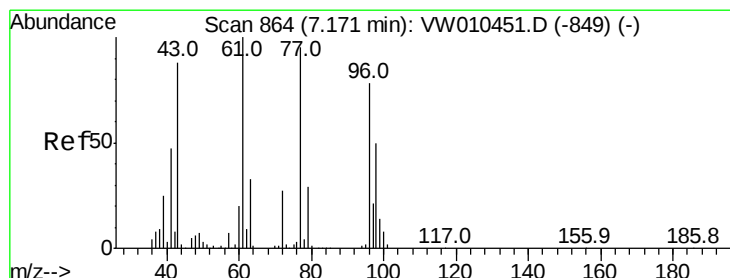
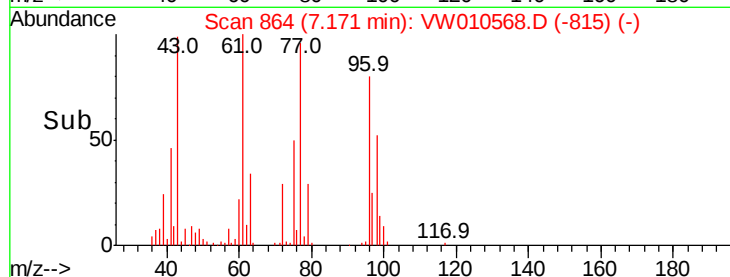
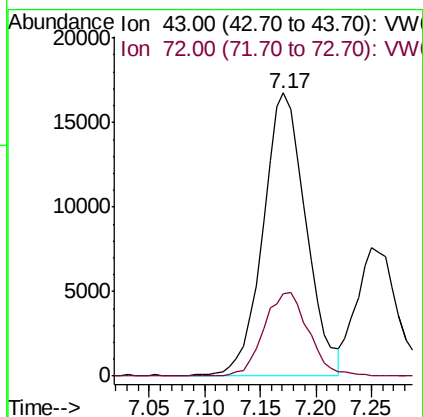
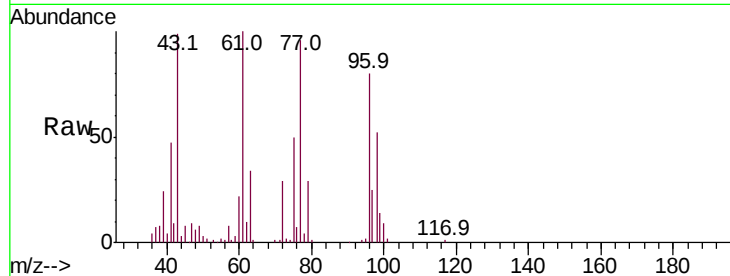
43 100

72 29.3 24.1 36.1

Manual Integrations
APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#26

2,2-Dichloropropane

Concen: 21.011 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010568.D

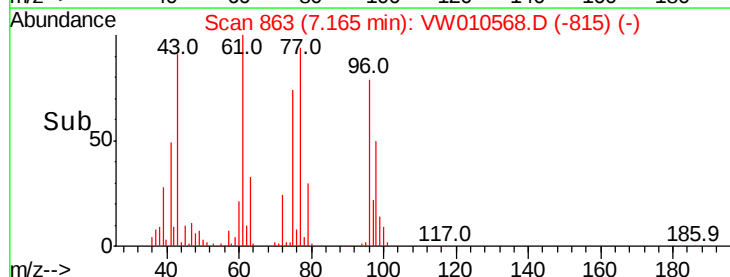
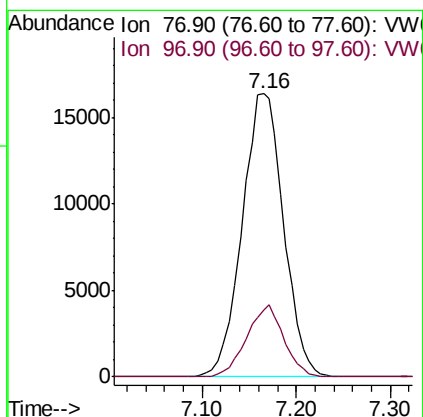
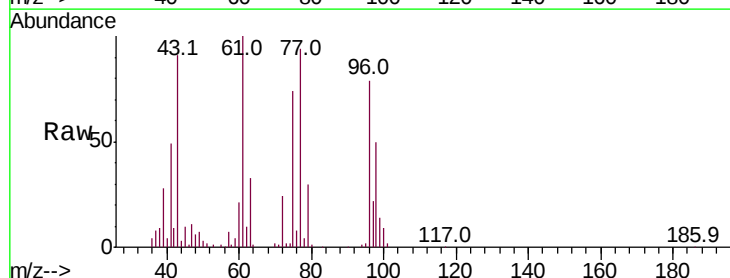
Acq: 28 May 2019 15:38

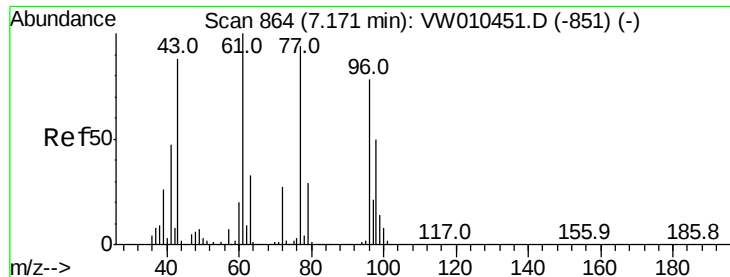
Tgt Ion: 77 Resp: 50350

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0





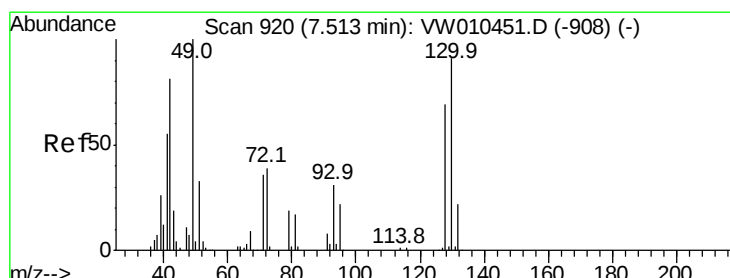
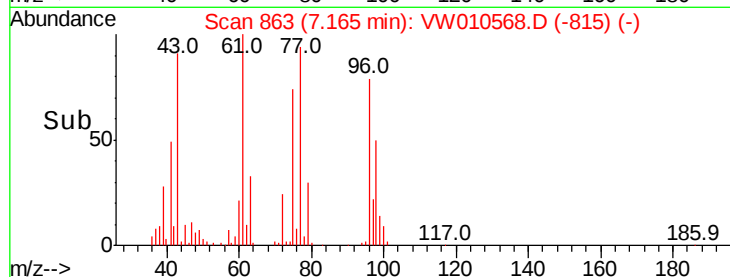
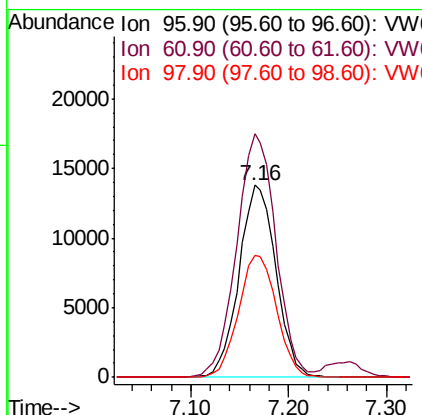
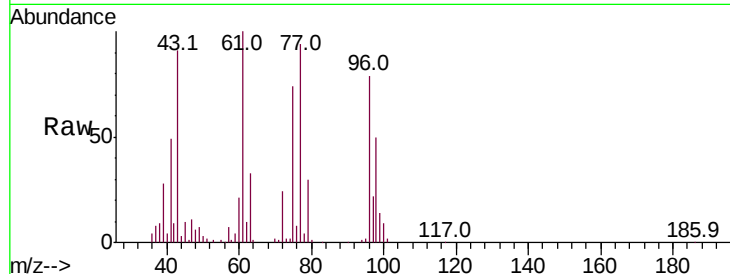
#27
 cis-1,2-Dichloroethene
 Concen: 20.466 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	265.4
98	65.4	0.0	129.4

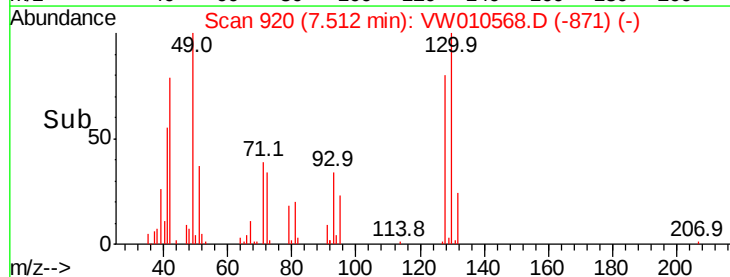
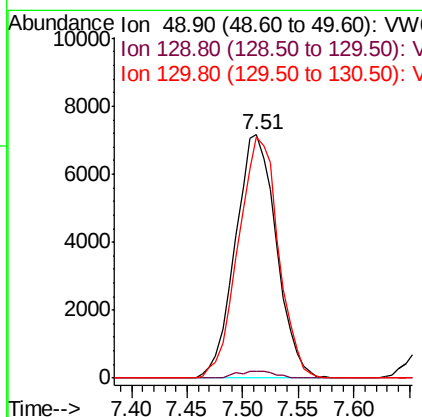
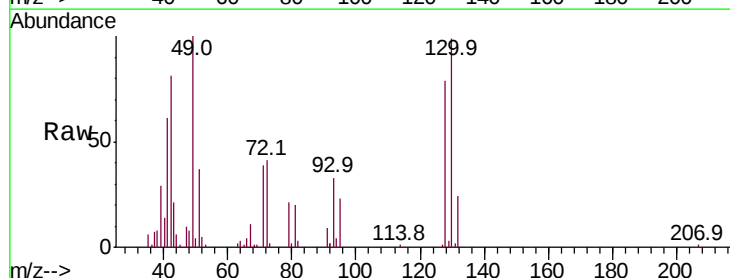
Manual Integrations
 APPROVED

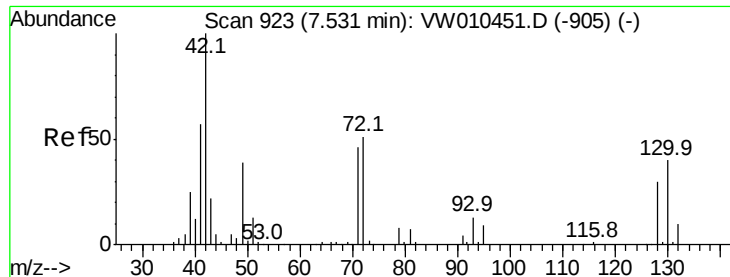
MMDadoda
 5/29/2019 11:05:51 AM



#28
 Bromochloromethane
 Concen: 20.373 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	96.9	71.2	106.8





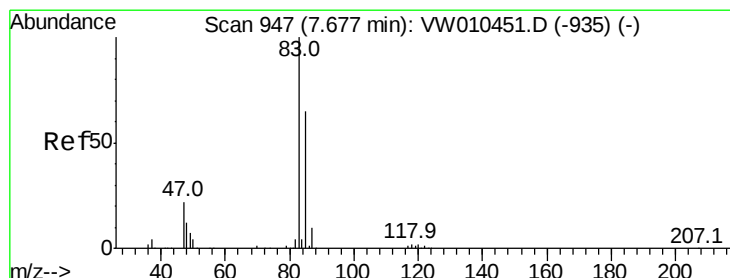
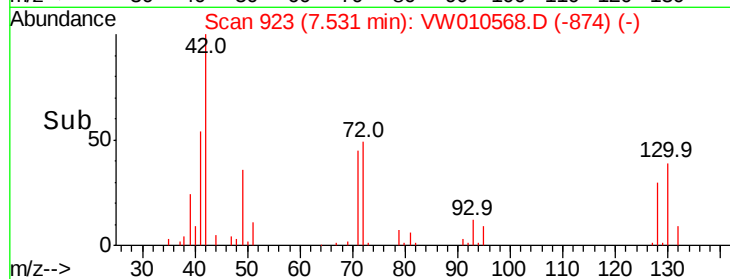
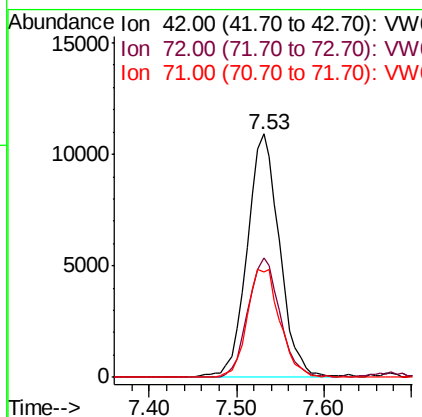
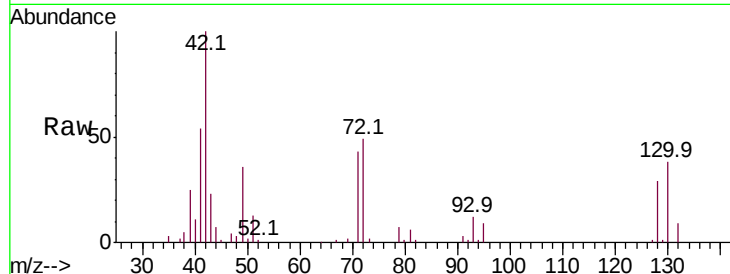
#29
Tetrahydrofuran
Concen: 102.440 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.5	57.7
71	44.9	36.5	54.7

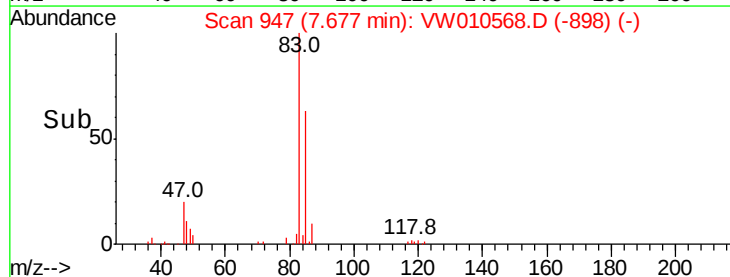
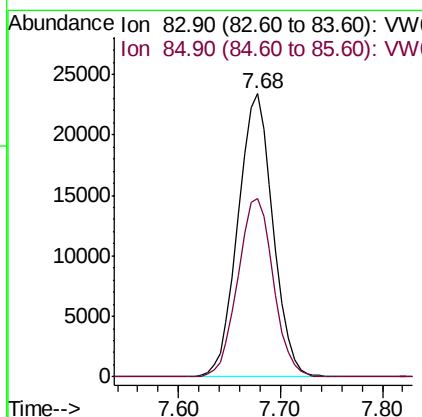
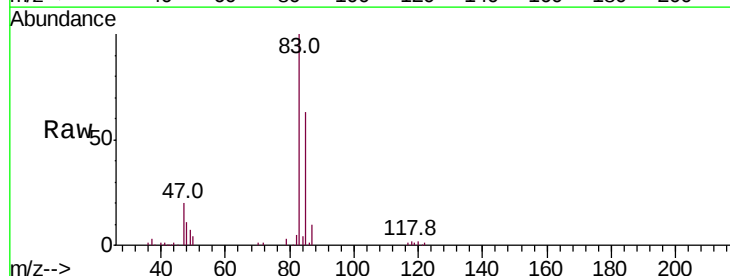
Manual Integrations
APPROVED

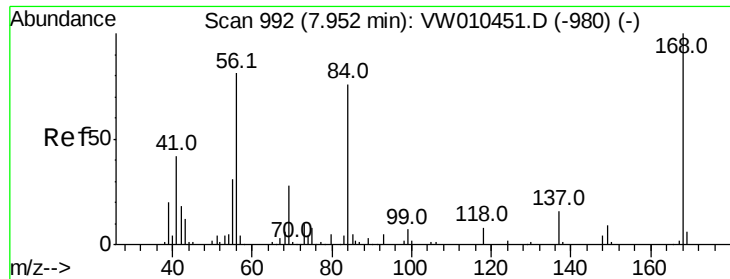
MMDadoda
5/29/2019 11:05:51 AM



#30
Chloroform
Concen: 20.531 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.4





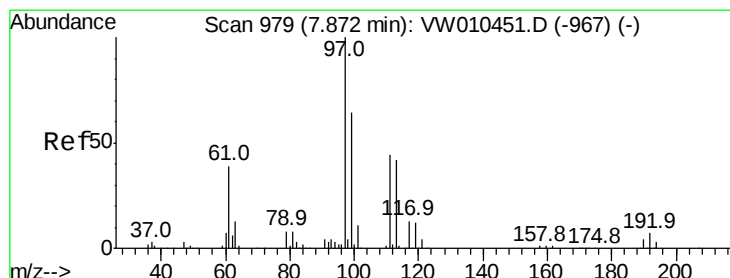
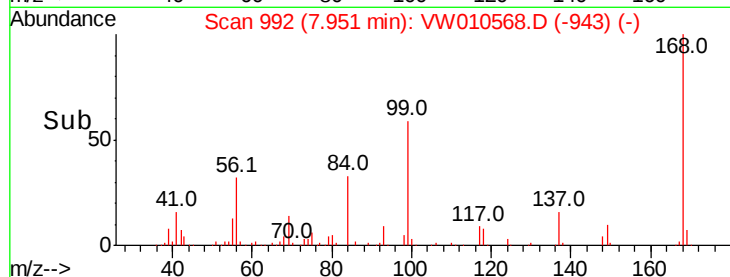
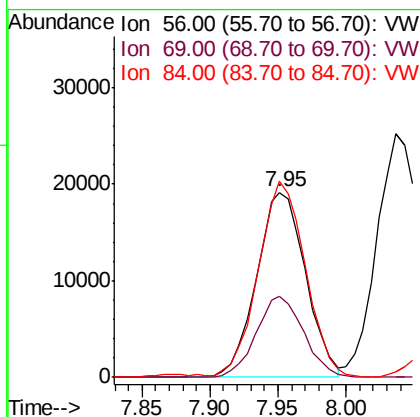
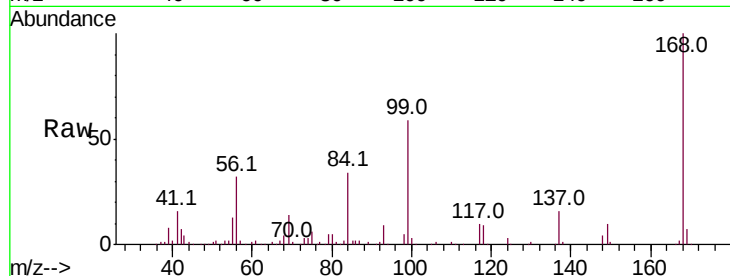
#31
Cyclohexane
Concen: 18.330 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion: 56 Resp: 48303
Ion Ratio Lower Upper
56 100
69 43.7 28.2 42.2#
84 105.1 75.8 113.8

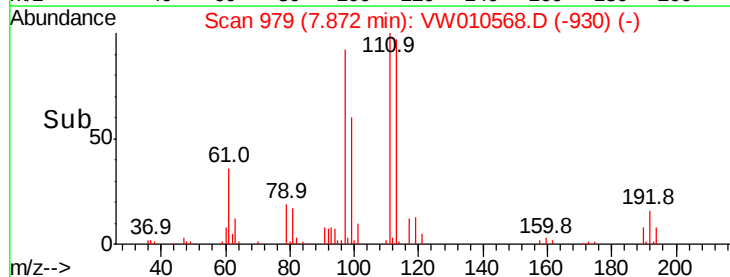
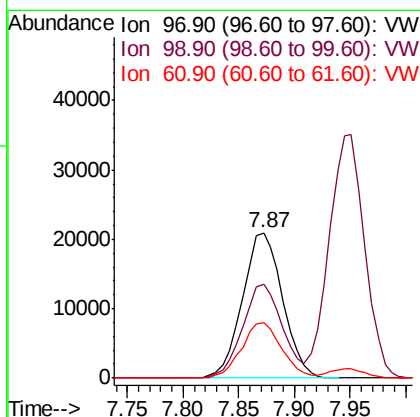
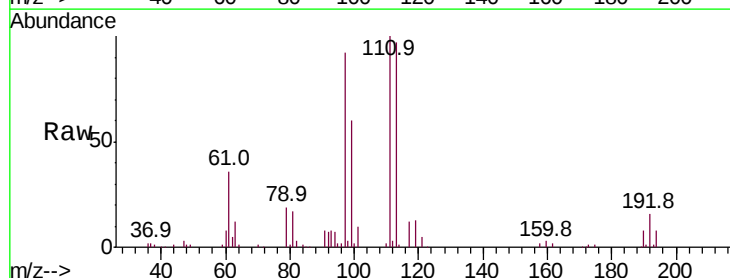
Manual Integrations
APPROVED

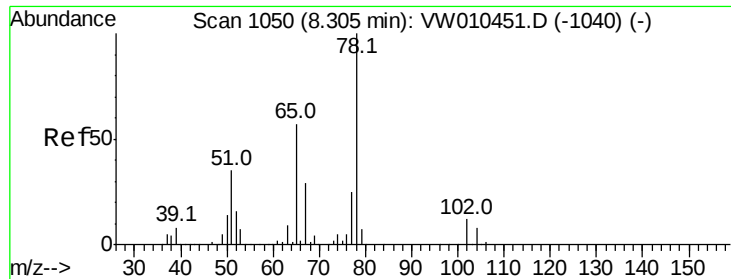
MMDadoda
5/29/2019 11:05:51 AM



#32
1,1,1-Trichloroethane
Concen: 20.205 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 97 Resp: 52402
Ion Ratio Lower Upper
97 100
99 64.7 50.8 76.2
61 38.4 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 49.076 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

Tot Ion: 65 Resp: 68115

Ion Ratio Lower Upper

65 100

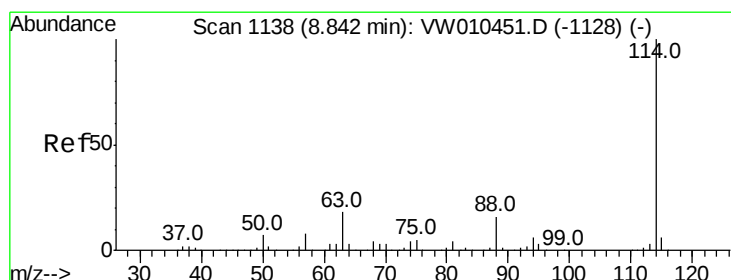
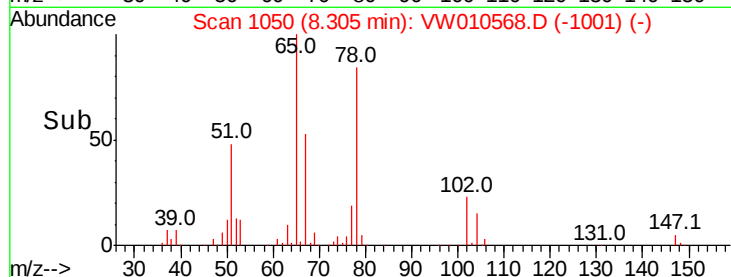
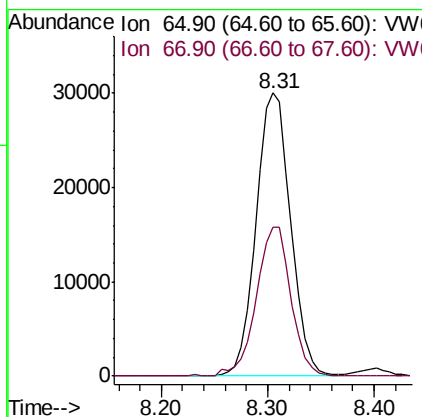
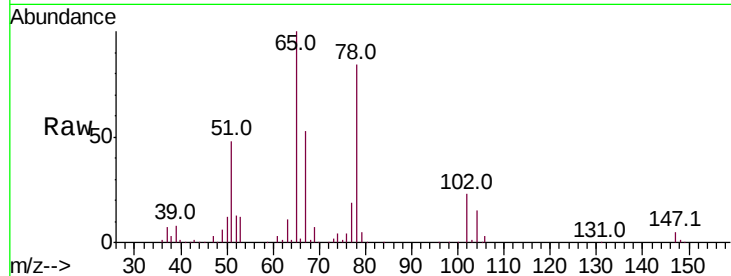
67 52.8 0.0 103.6

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

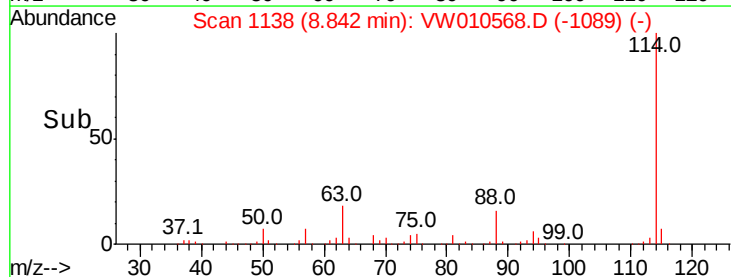
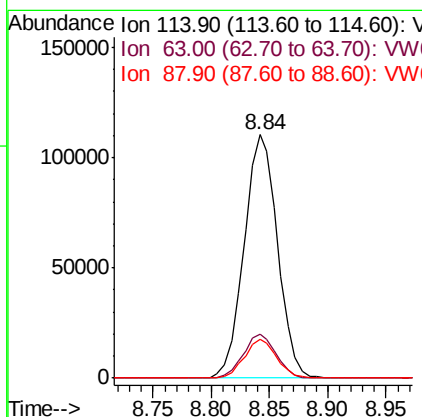
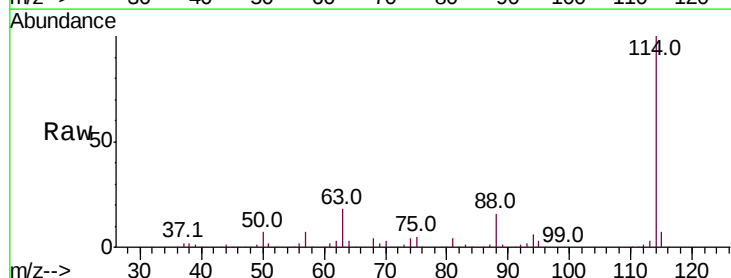
Tgt Ion: 114 Resp: 220453

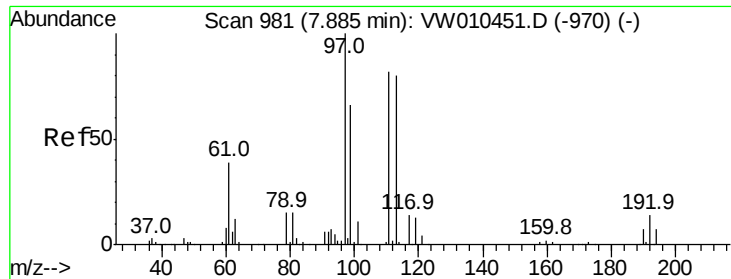
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.0

88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.581 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

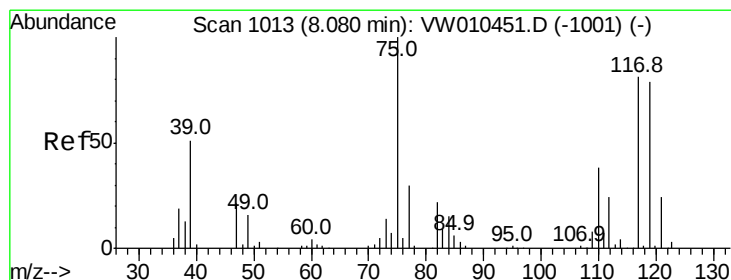
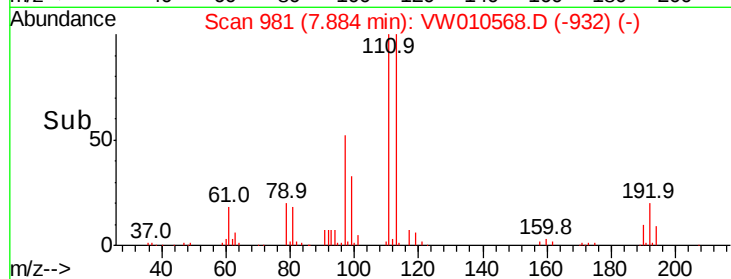
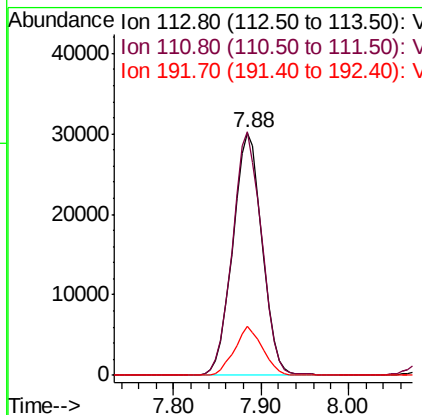
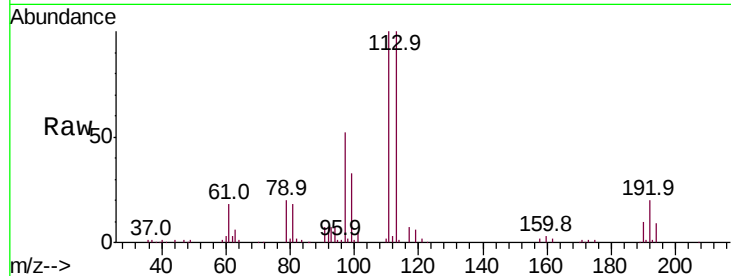
ClientSampleId :

VW0528SBSD01

Tot Ion:	113	Resp:	70336
Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.2	123.4
192	19.3	14.3	21.5

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#36

1,1-Dichloropropene

Concen: 20.802 ug/l

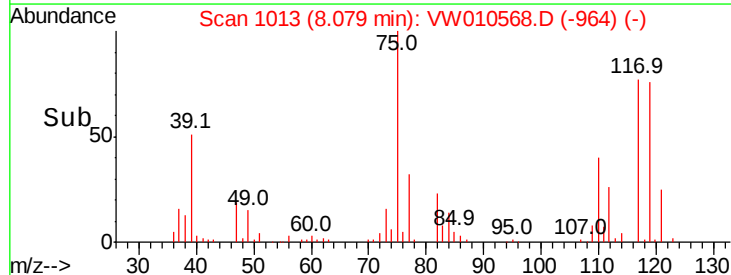
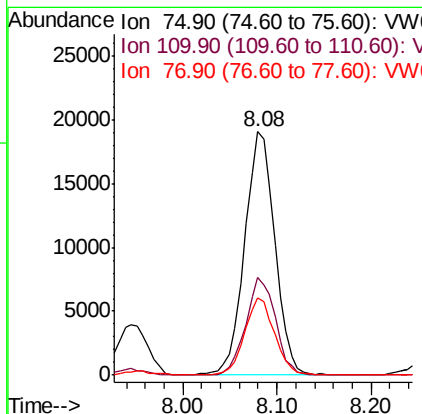
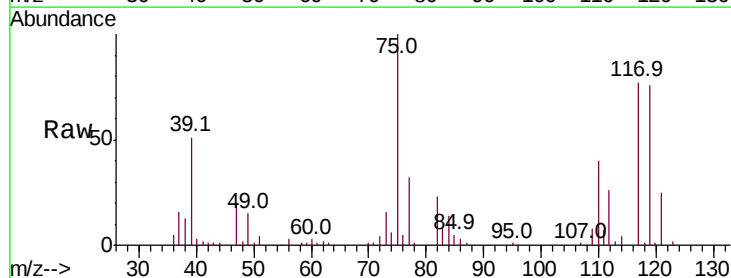
RT: 8.08 min Scan# 1013

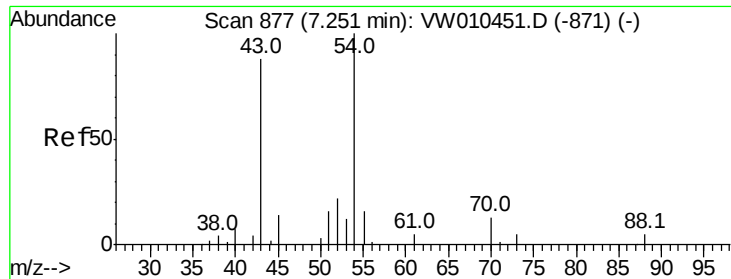
Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion:	75	Resp:	42719
Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.2	57.6
77	31.4	25.2	37.8





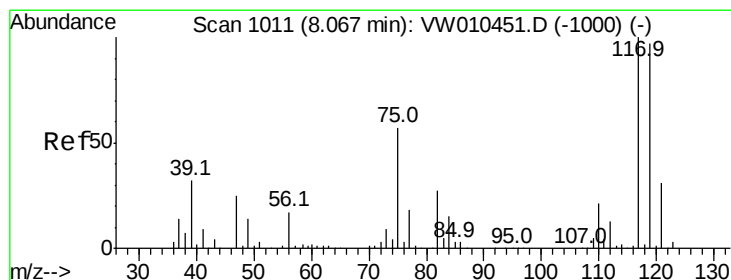
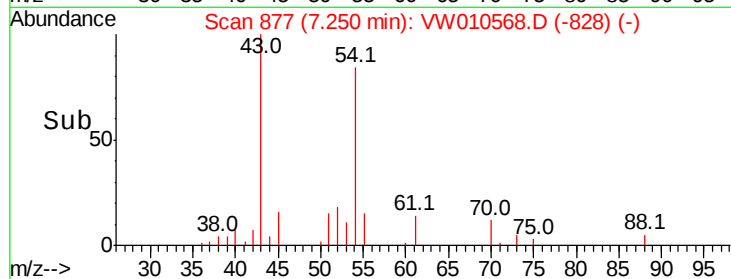
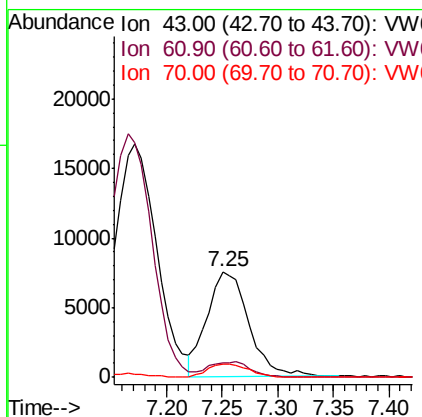
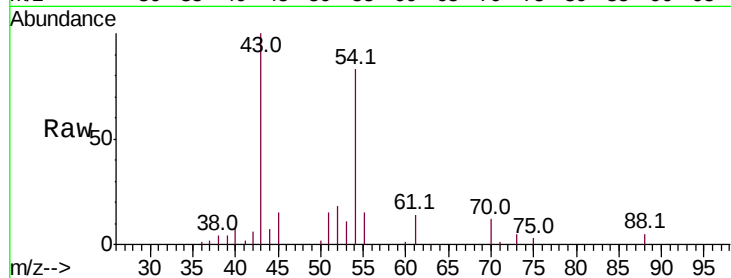
#37
Ethyl Acetate
Concen: 22.476 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleID :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.2	16.8
70	12.7	9.9	14.9

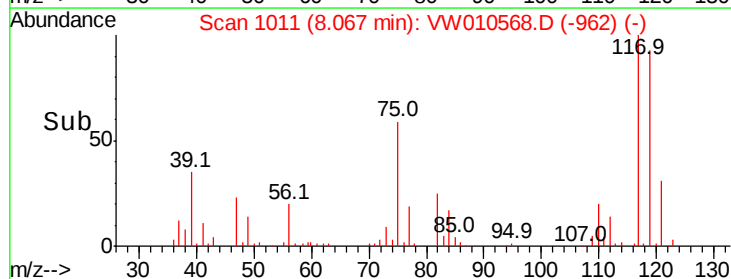
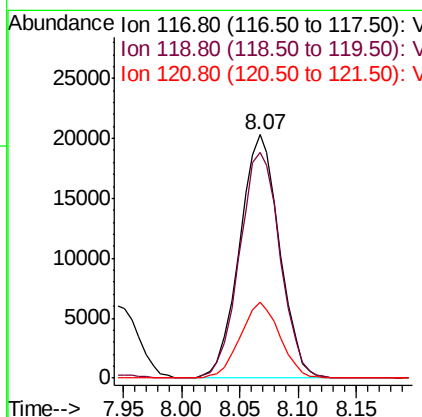
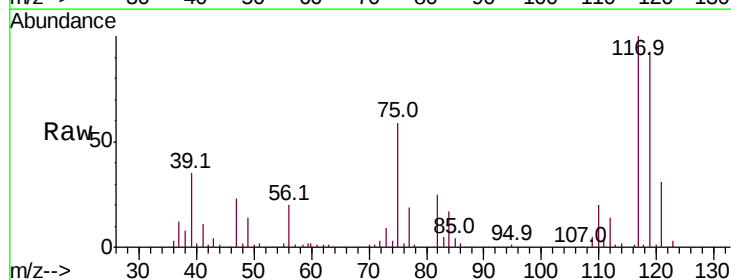
Manual Integrations
APPROVED

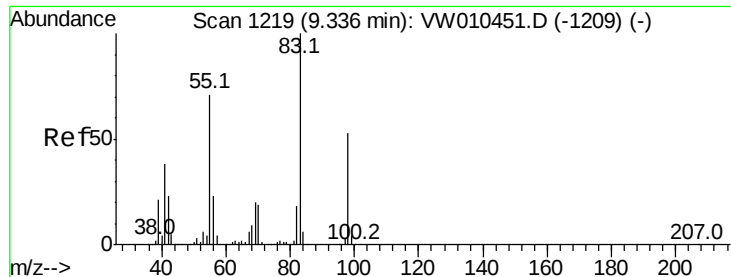
MMDadoda
5/29/2019 11:05:51 AM



#38
Carbon Tetrachloride
Concen: 21.813 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.4	116.0
121	31.0	25.0	37.6





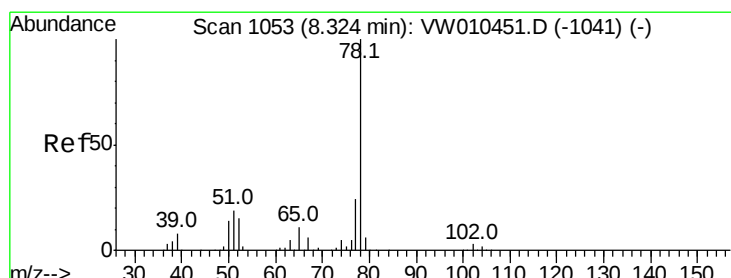
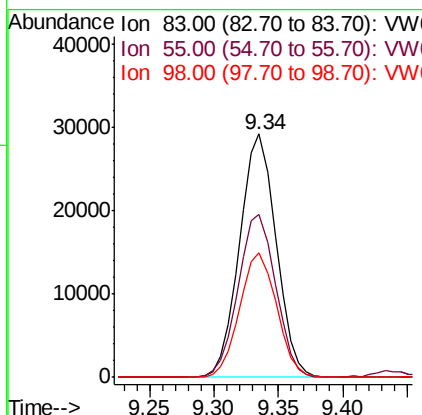
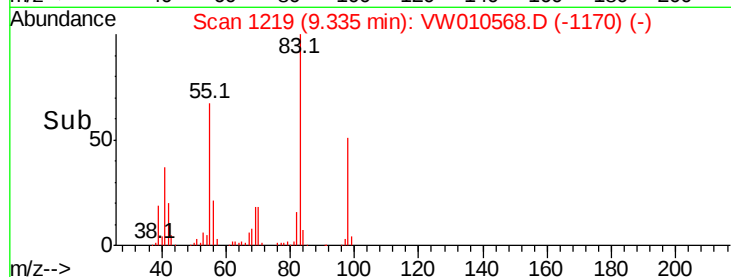
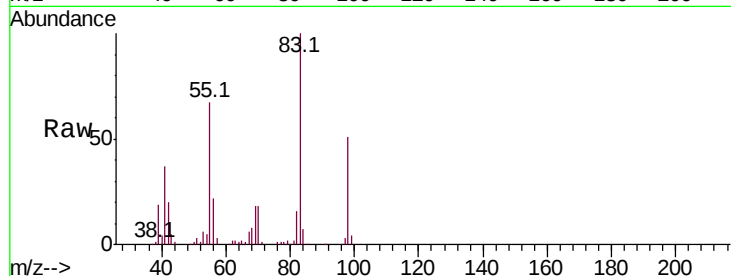
#39
Methvlcvclohexane
Concen: 20.902 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	67.0		57.0	85.6
98	51.4		42.0	63.0

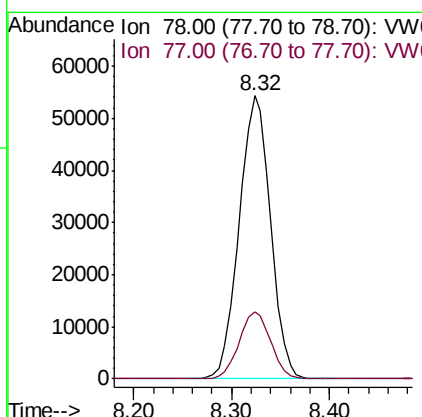
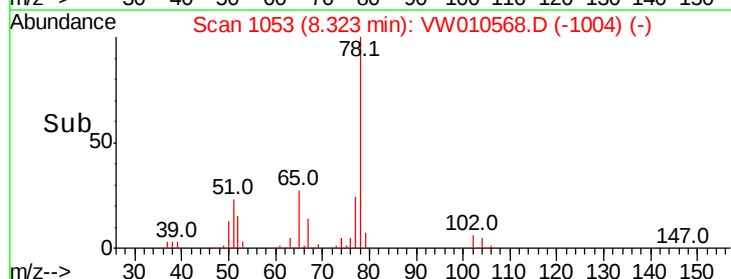
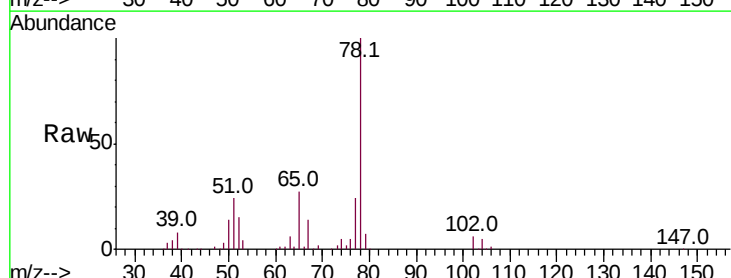
Manual Integrations
APPROVED

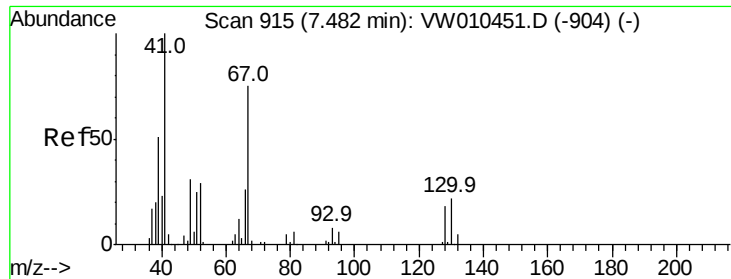
MMDadoda
5/29/2019 11:05:51 AM



#40
Benzene
Concen: 21.101 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9		18.9	28.3





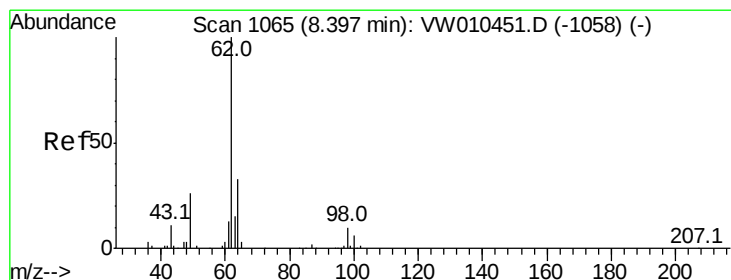
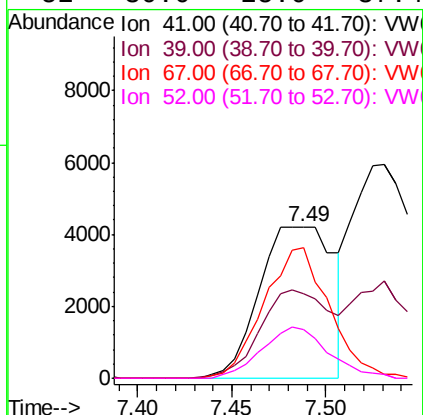
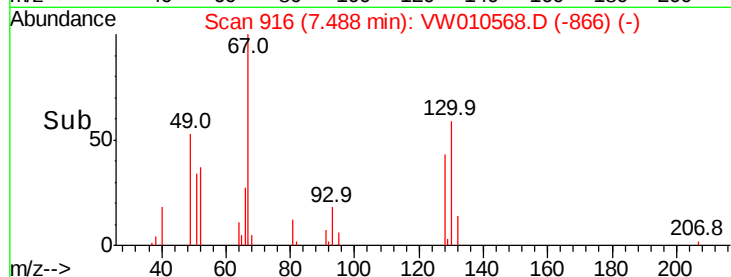
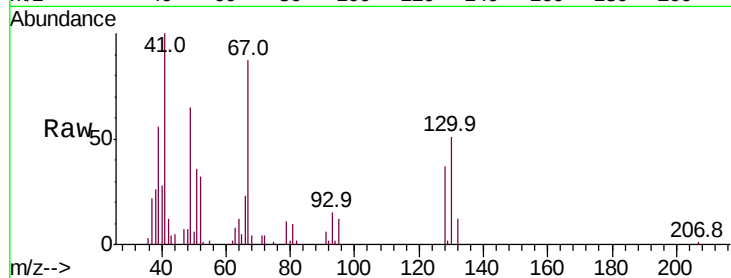
#41
Methacrylonitrile
Concen: 22.292 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	41	Resp	11567
Ion Ratio	Lower	Upper	
41	100		
39	55.0	47.4	71.2
67	76.2	65.5	98.3
52	30.0	25.0	37.4

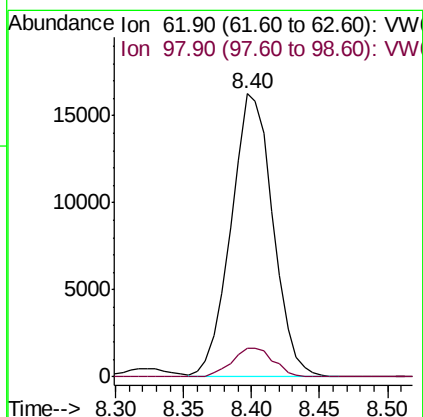
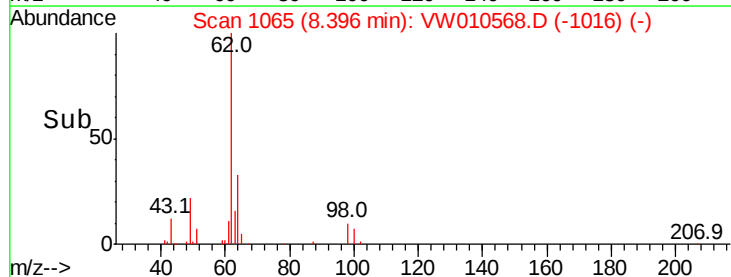
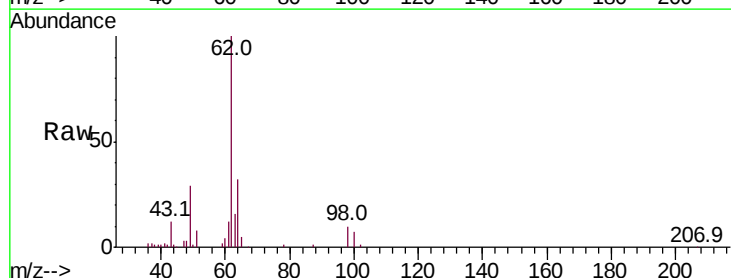
Manual Integrations
APPROVED

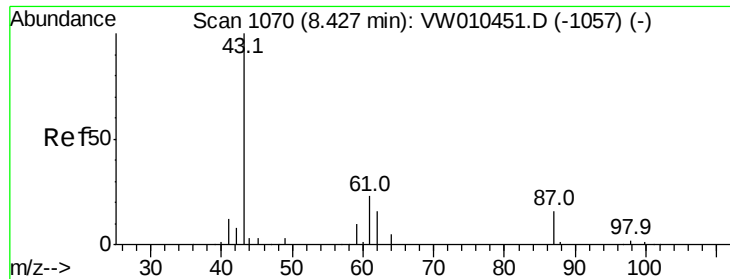
MMDadoda
5/29/2019 11:05:51 AM



#42
1,2-Dichloroethane
Concen: 21.468 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	62	Resp	35022
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	21.0





#43

Isopropyl Acetate

Concen: 21.667 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

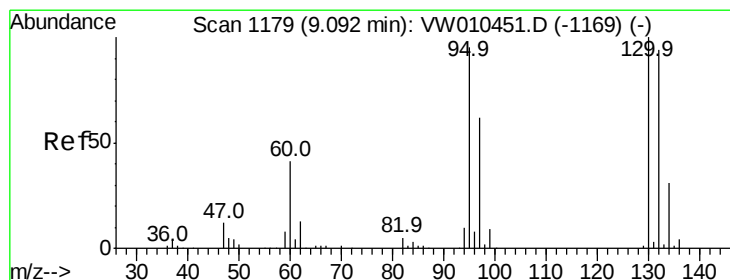
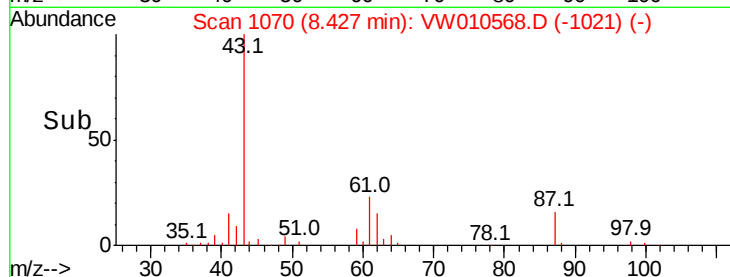
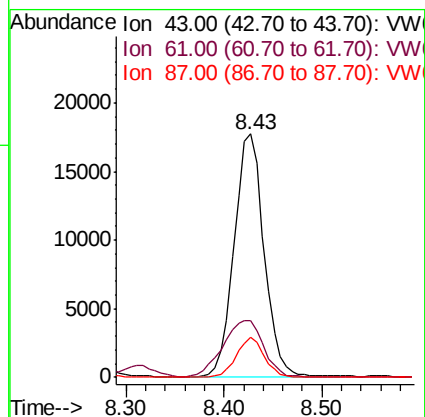
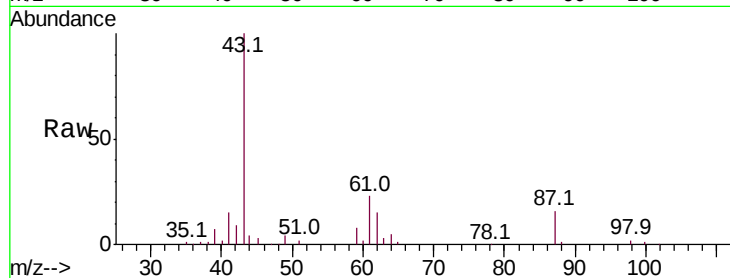
ClientSampleId :

VW0528SBS01

Tot Ion:	43	Resp:	37801
Ion	Ratio	Lower	Upper
43	100		
61	31.6	25.4	38.2
87	15.1	12.7	19.1

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#44

Trichloroethene

Concen: 22.026 ug/l

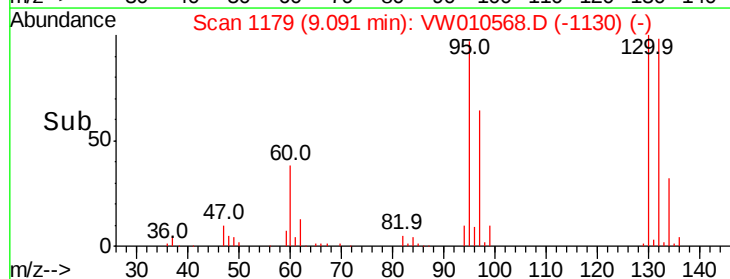
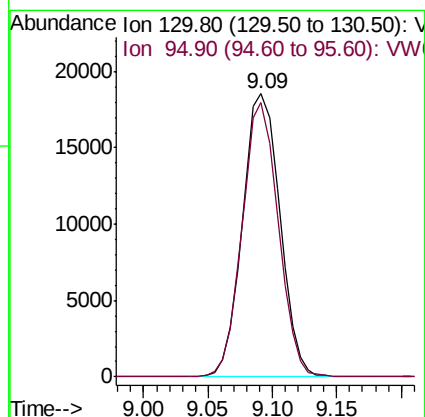
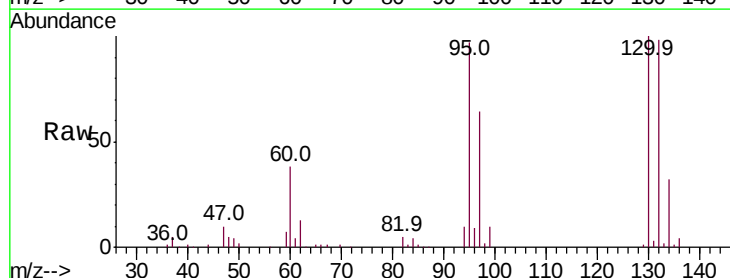
RT: 9.09 min Scan# 1179

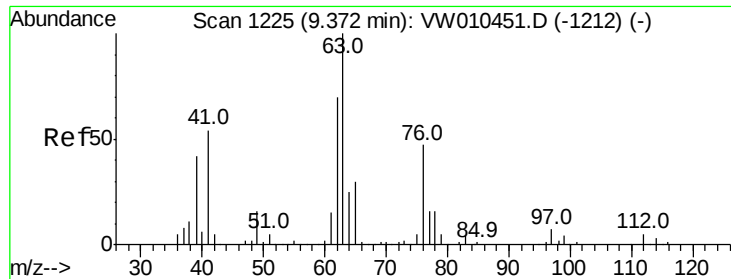
Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion:	130	Resp:	37325
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	189.6





#45

1,2-Dichloropropane

Concen: 21.348 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 63 Resp: 28940

Ion Ratio Lower Upper

63 100

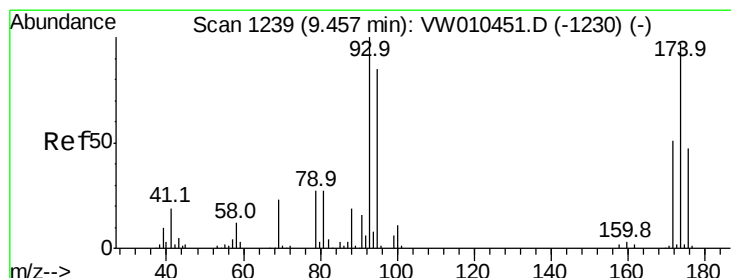
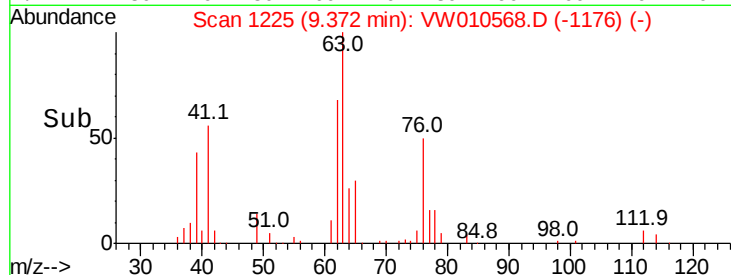
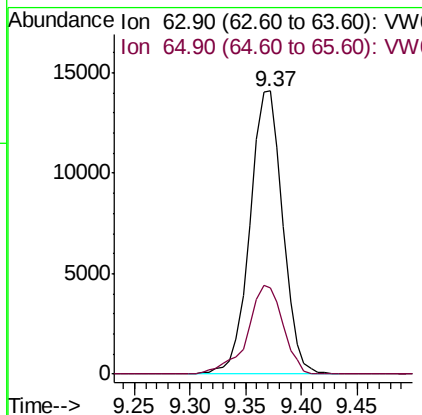
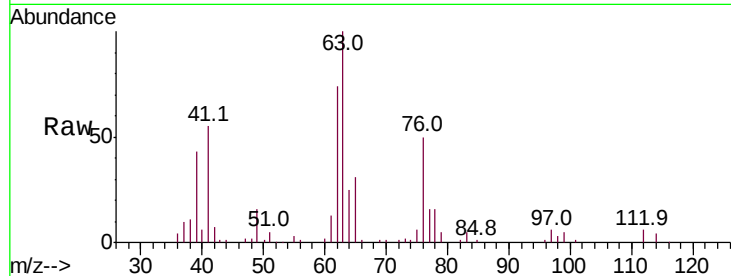
65 30.5 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#46

Dibromomethane

Concen: 21.956 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

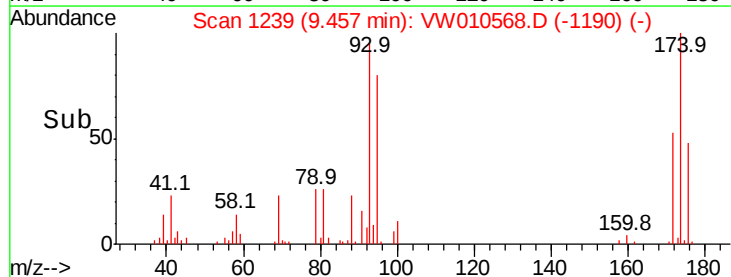
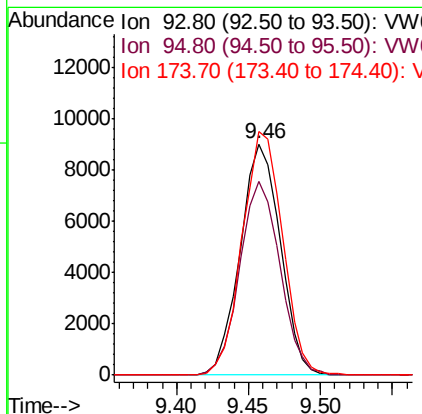
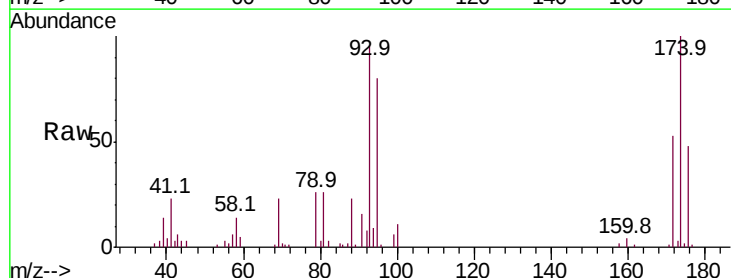
Tgt Ion: 93 Resp: 17407

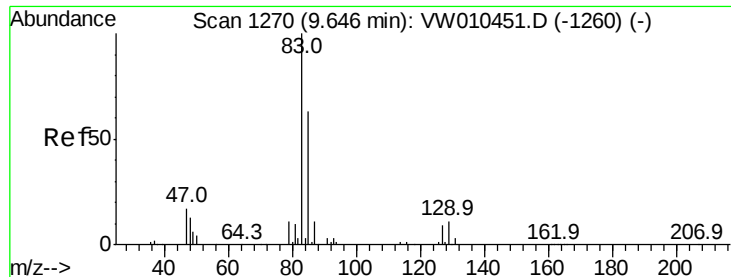
Ion Ratio Lower Upper

93 100

95 84.4 66.1 99.1

174 106.1 77.1 115.7





#47

Bromodichloromethane

Concen: 21.289 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

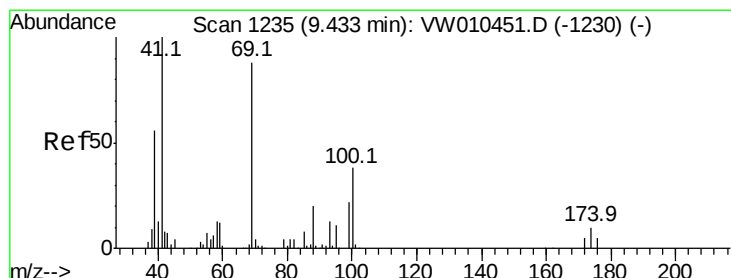
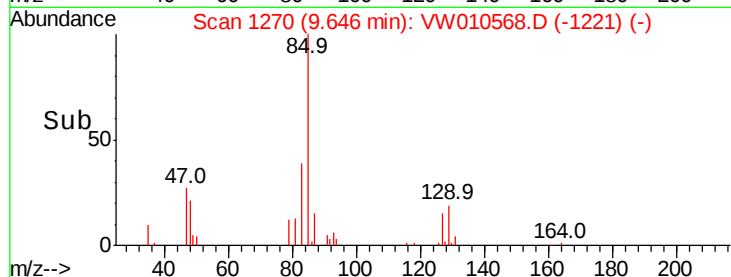
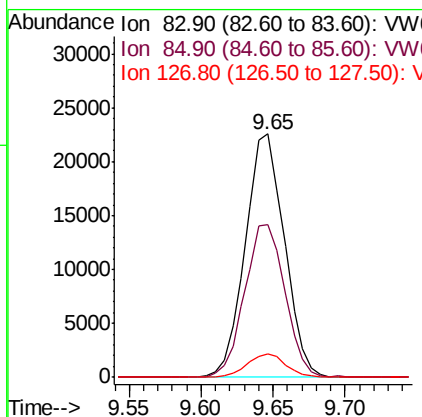
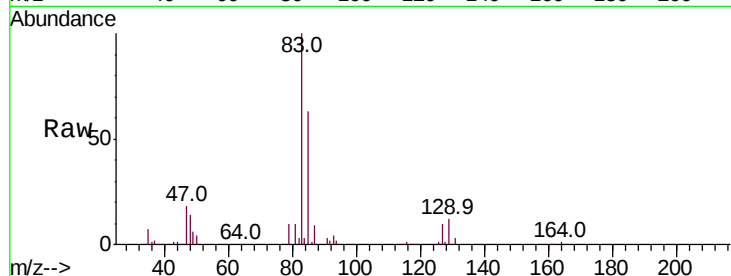
ClientSampleId :

VW0528SBS01

Tot Ion:	83	Resp:	42414
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.4	75.6
127	9.5	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#48

Methyl methacrylate

Concen: 20.408 ug/l

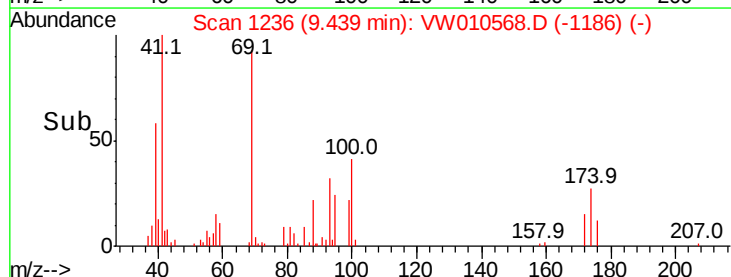
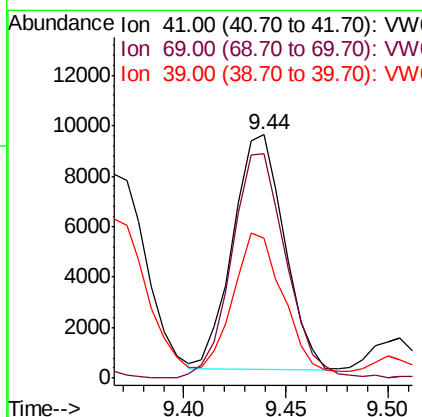
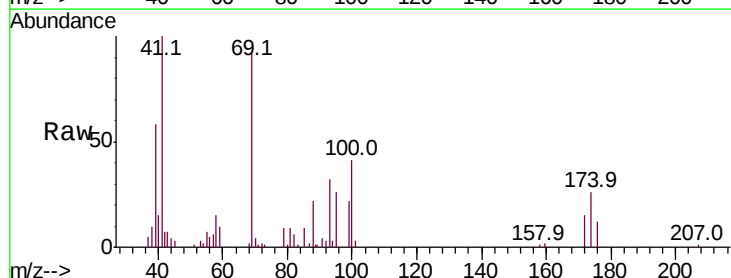
RT: 9.44 min Scan# 1236

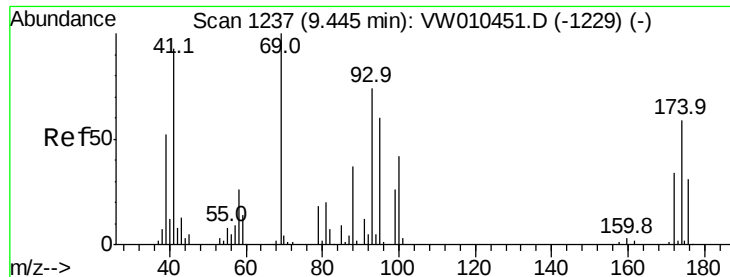
Delta R.T. 0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion:	41	Resp:	16289
Ion Ratio	Lower	Upper	
41	100		
69	101.3	77.6	116.4
39	63.3	49.8	74.8





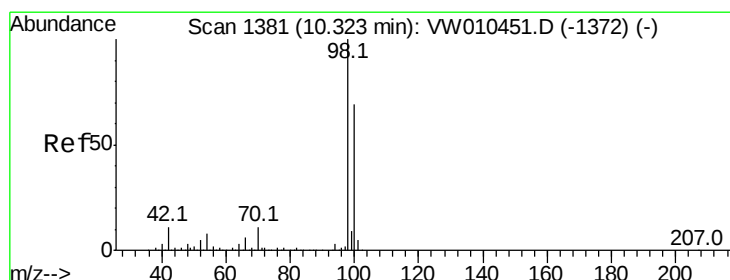
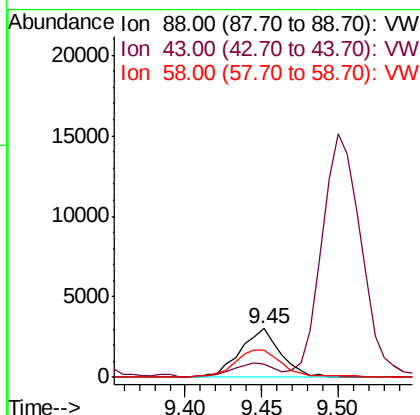
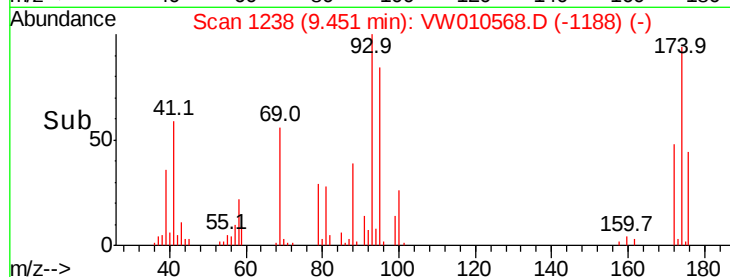
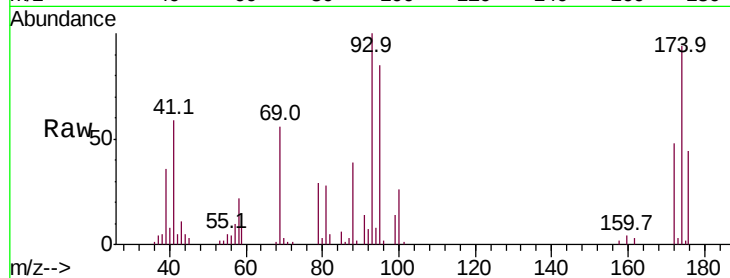
#49
1,4-Dioxane
Concen: 426.458 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion	88	Resp	5523
Ion	Ratio	Lower	Upper
88	100		
43	31.5	25.9	38.9
58	67.2	52.7	79.1

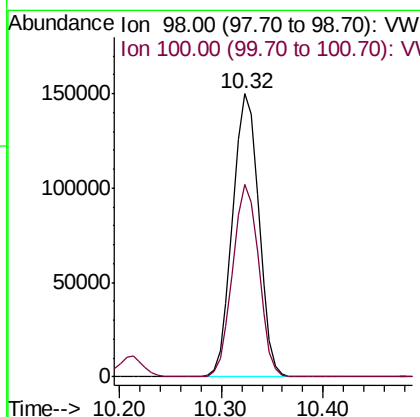
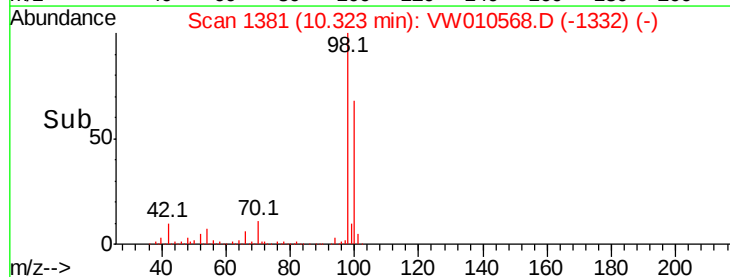
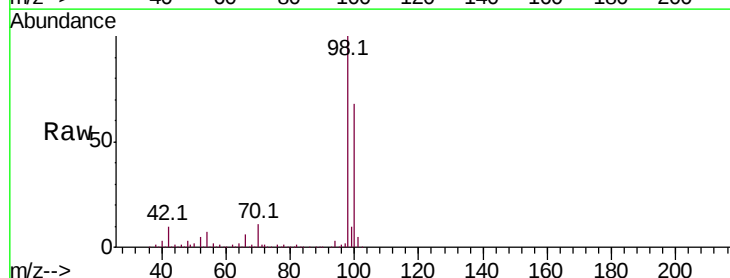
Manual Integrations
APPROVED

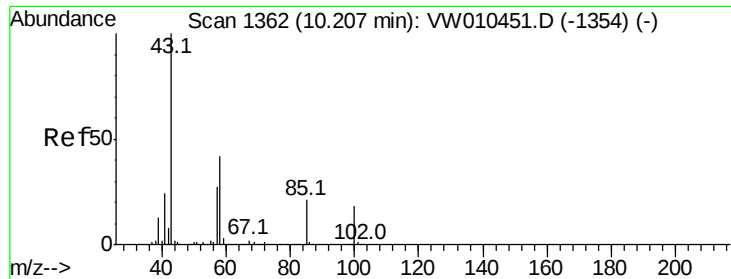
MMDadoda
5/29/2019 11:05:51 AM



#50
Toluene-d8
Concen: 52.027 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	98	Resp	265869
Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 107.911 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 43 Resp: 95400

Ion Ratio Lower Upper

43 100

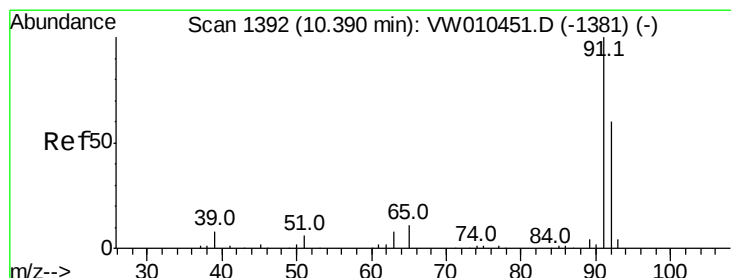
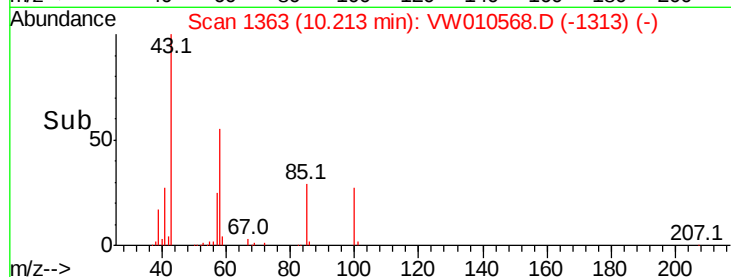
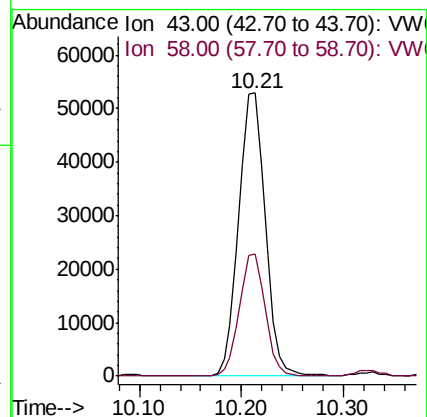
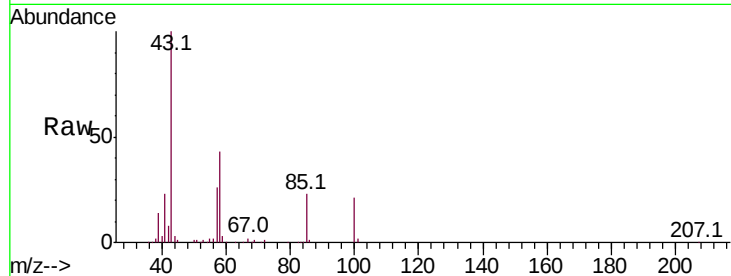
58 41.9 33.2 49.8

Manual Integrations

APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#52

Toluene

Concen: 21.469 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010568.D

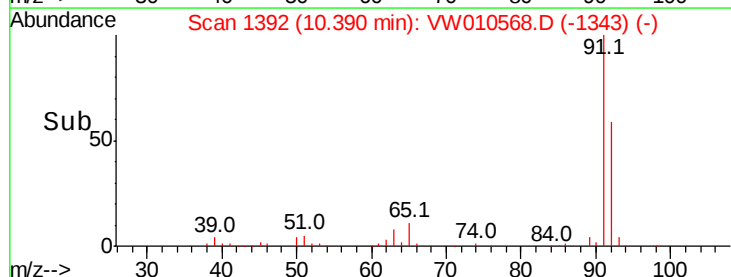
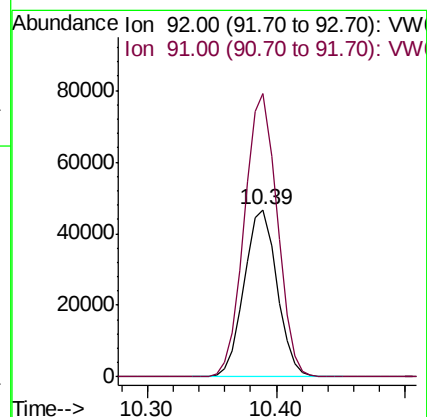
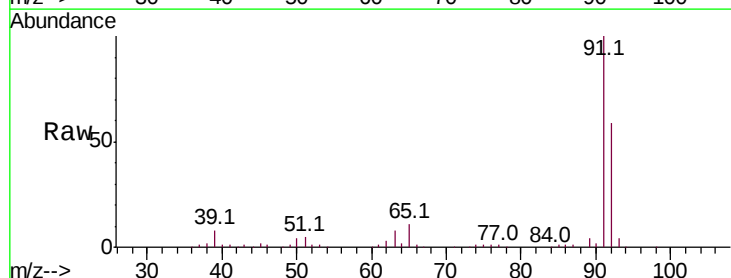
Acq: 28 May 2019 15:38

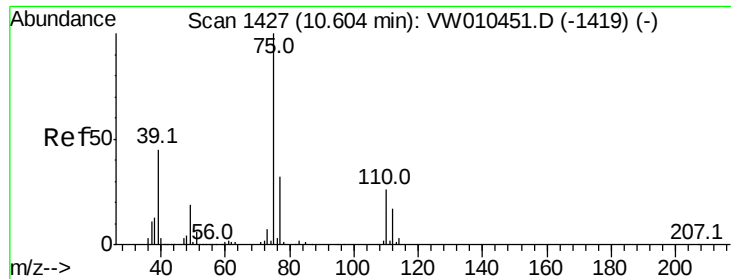
Tgt Ion: 92 Resp: 82296

Ion Ratio Lower Upper

92 100

91 169.5 135.4 203.0





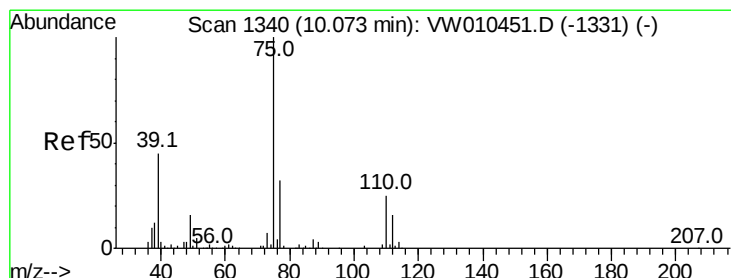
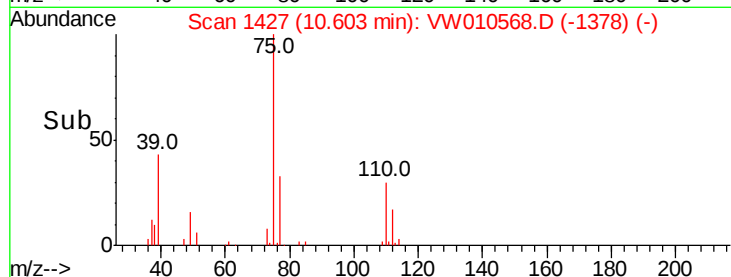
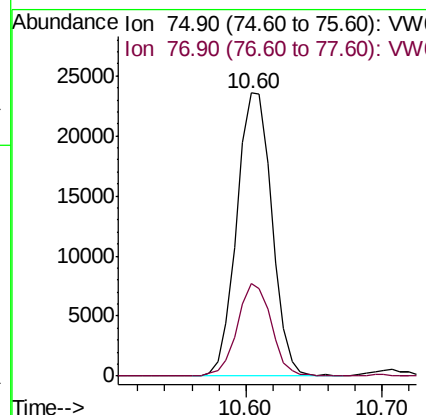
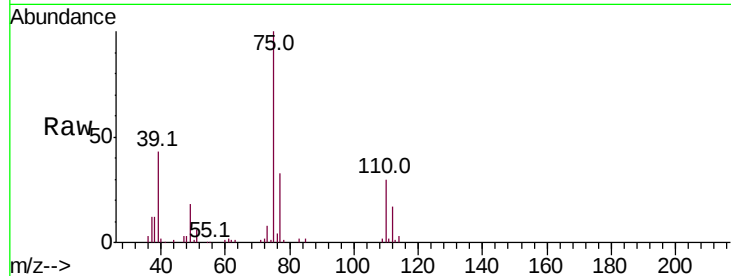
#53
 t-1,3-Dichloropropene
 Concen: 21.072 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

Tot Ion: 75 Resp: 42518
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.0

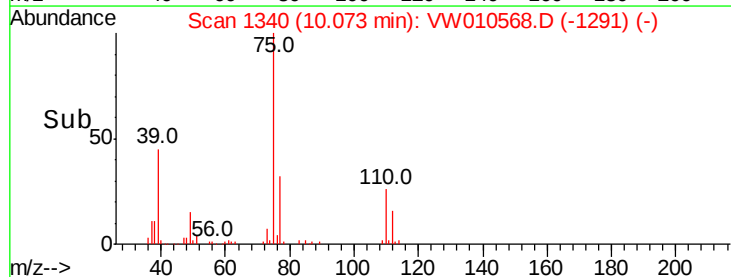
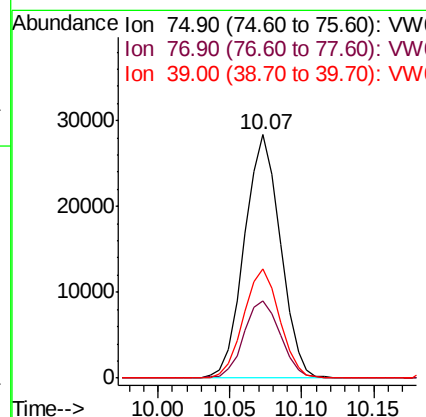
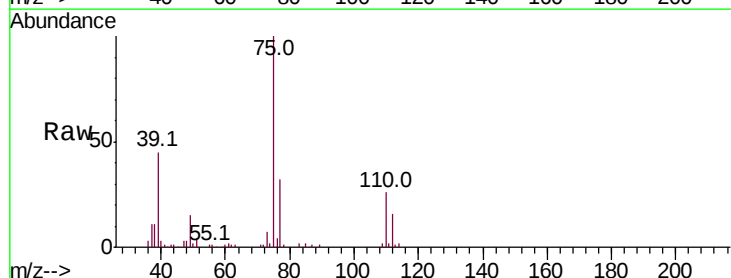
Manual Integrations
 APPROVED

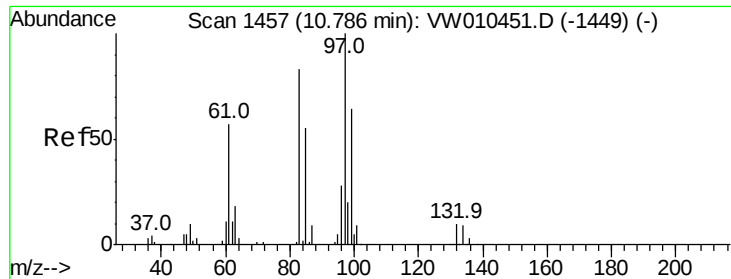
MMDadoda
 5/29/2019 11:05:51 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.332 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion: 75 Resp: 49157
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.7 38.5
 39 45.1 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 22.356 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

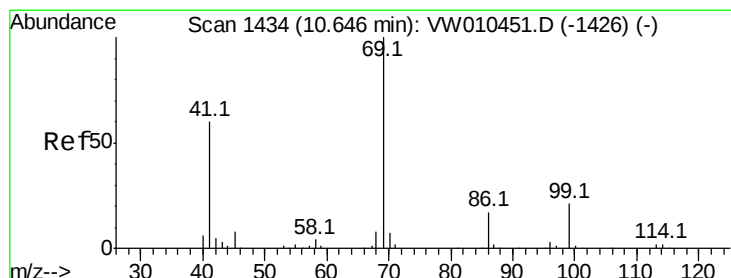
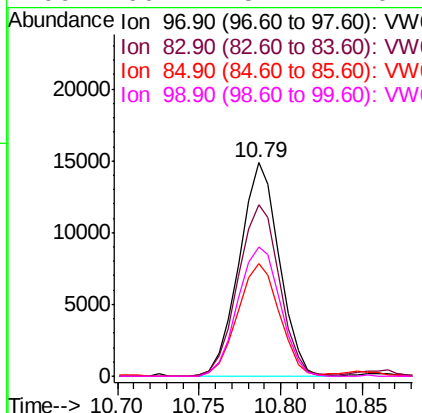
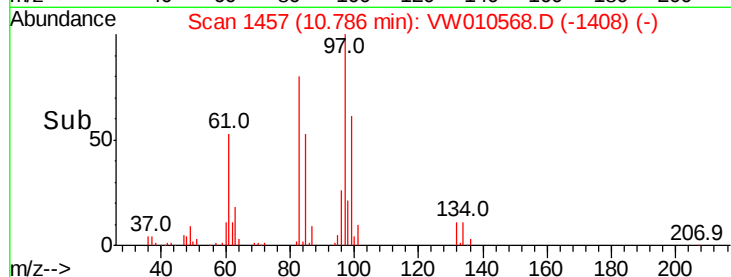
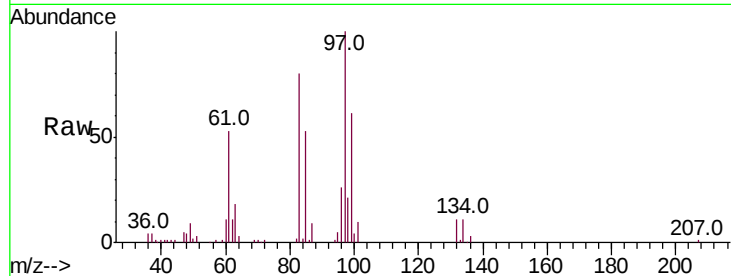
ClientSampleId :

VW0528SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.5	66.1	99.1
85	52.7	44.2	66.4
99	60.7	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#56

Ethyl methacrylate

Concen: 20.472 ug/l

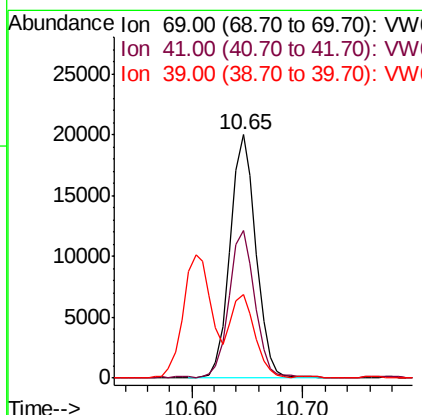
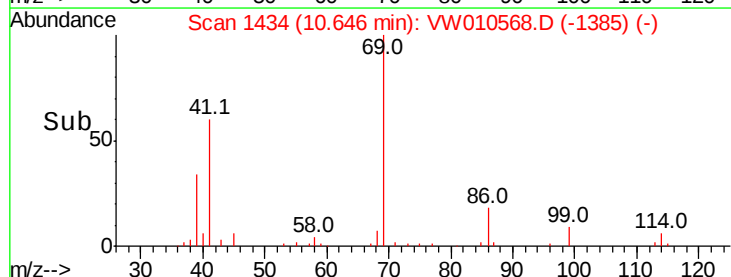
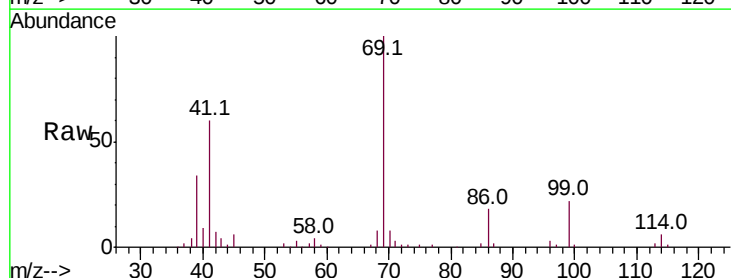
RT: 10.65 min Scan# 1434

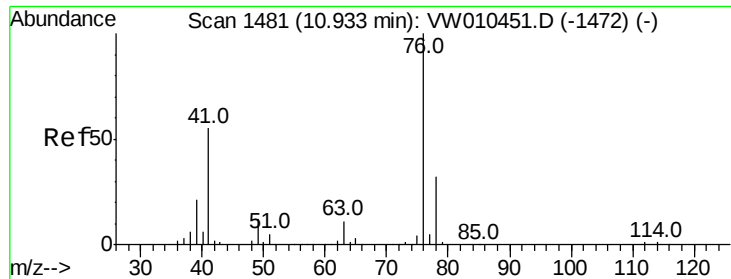
Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.1	47.7	71.5
39	31.8	25.3	37.9





#57

1,3-Dichloropropane

Concen: 22.169 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :
MSVOA_W

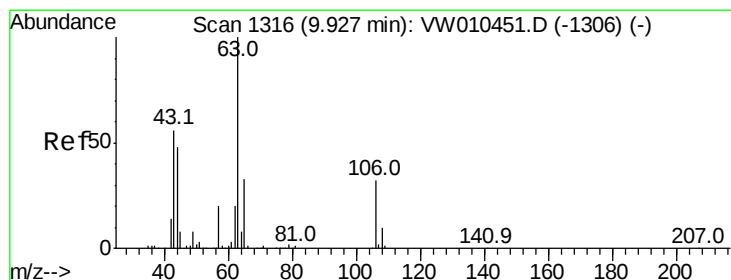
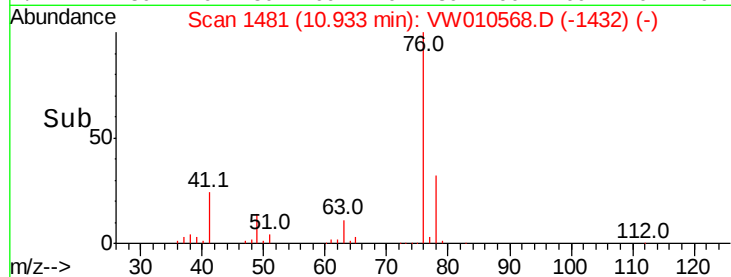
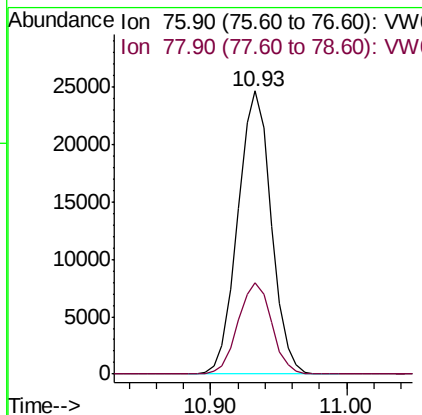
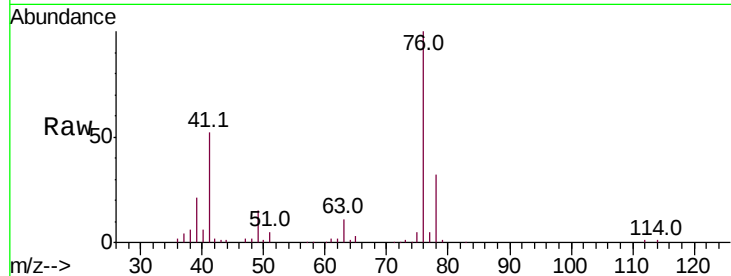
ClientSampleId :
VW0528SBS01

Tot Ion: 76 Resp: 42336

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#58

2-Chloroethyl Vinyl ether

Concen: 110.610 ug/l

RT: 9.93 min Scan# 1316

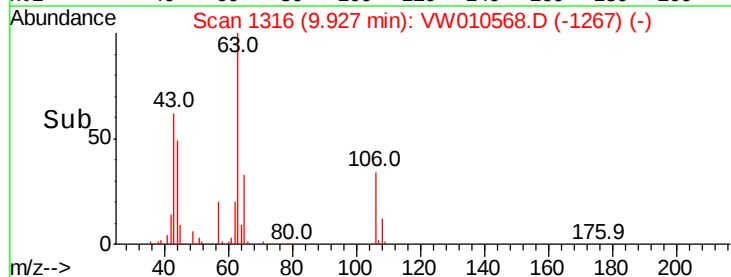
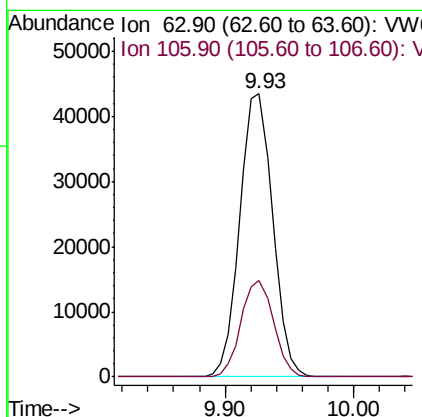
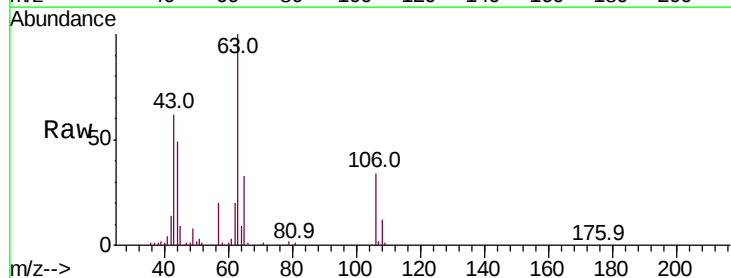
Delta R.T. -0.00 min

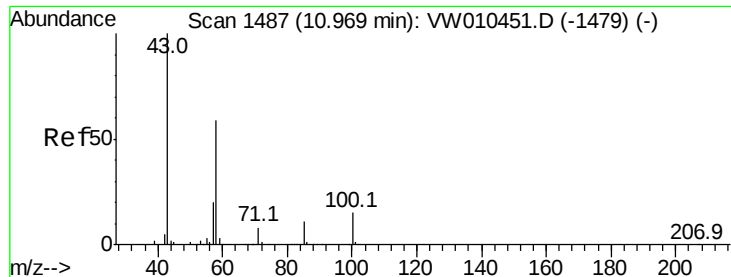
Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion: 63 Resp: 77032

Ion	Ratio	Lower	Upper
63	100		
106	33.7	25.8	38.6





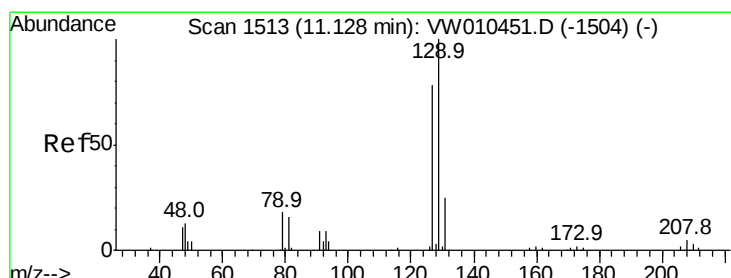
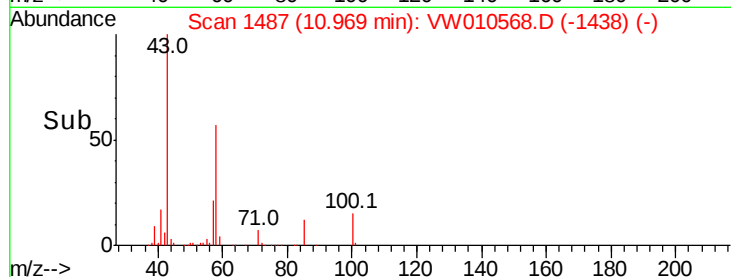
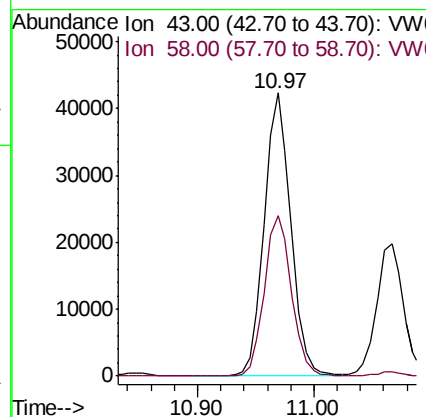
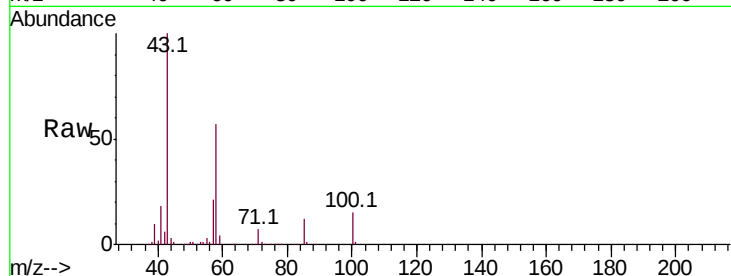
#59
2-Hexanone
Concen: 107.048 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion: 43 Resp: 67509
Ion Ratio Lower Upper
43 100
58 58.0 28.9 86.8

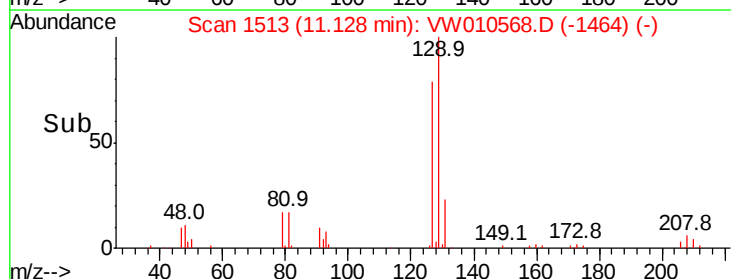
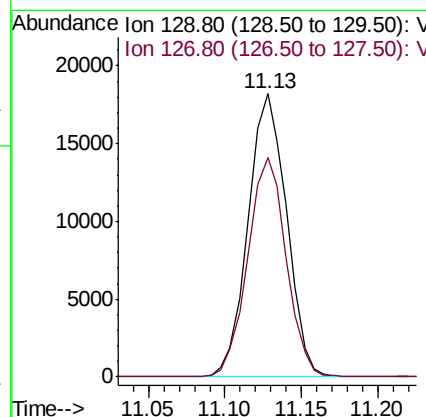
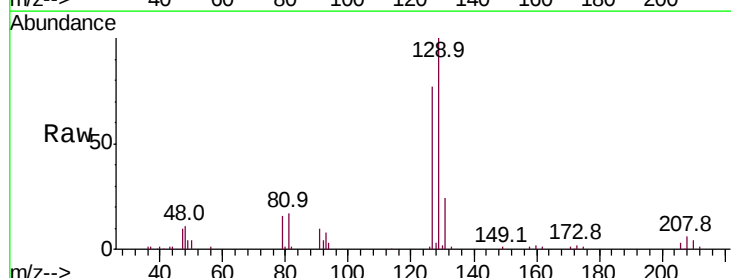
Manual Integrations
APPROVED

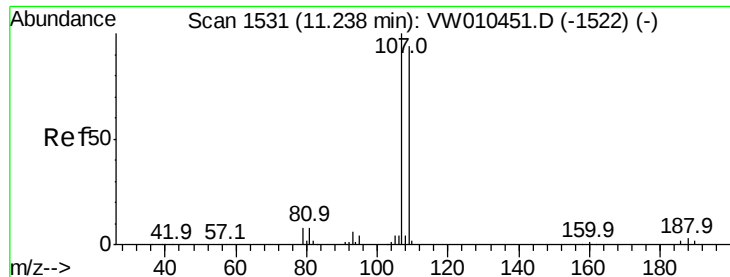
MMDadoda
5/29/2019 11:05:51 AM



#60
Dibromochloromethane
Concen: 22.103 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 129 Resp: 31891
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 22.307 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion:107 Resp: 25761

Ion Ratio Lower Upper

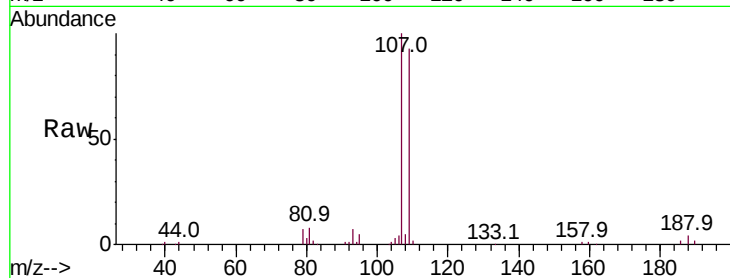
107 100

109 95.3 75.0 112.4

Manual Integrations
APPROVED

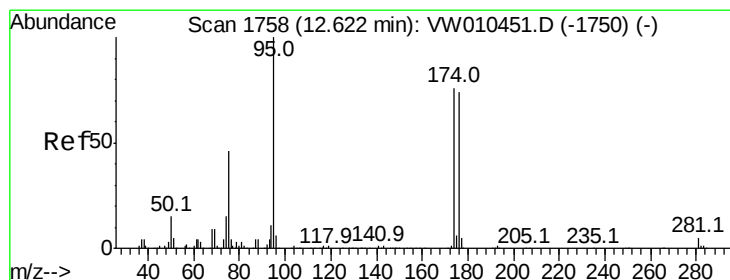
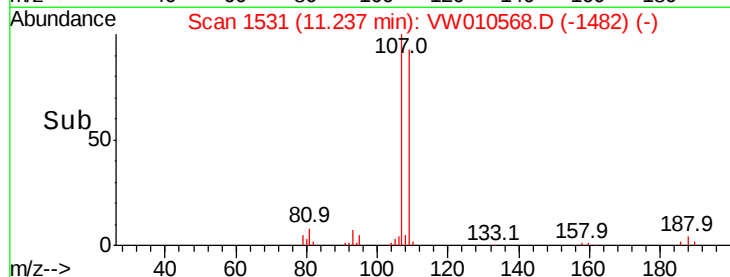
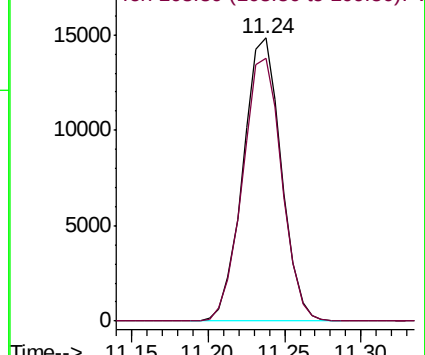
MMDadoda

5/29/2019 11:05:51 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.969 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

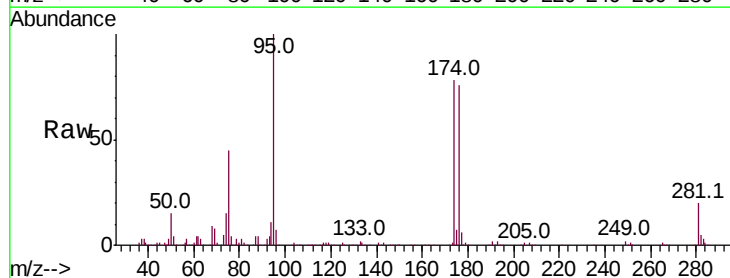
Tgt Ion: 95 Resp: 103746

Ion Ratio Lower Upper

95 100

174 77.4 0.0 148.6

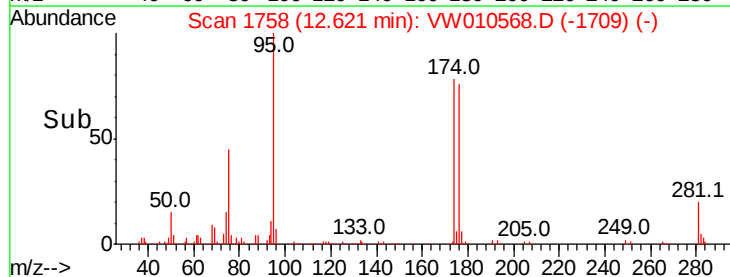
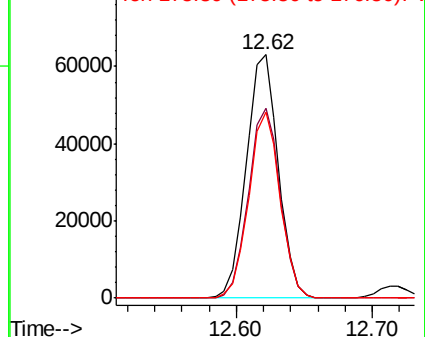
176 74.9 0.0 144.2

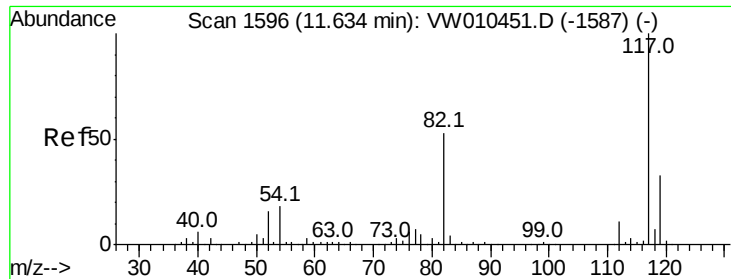


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





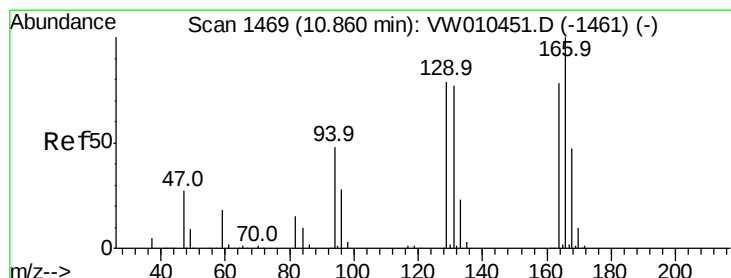
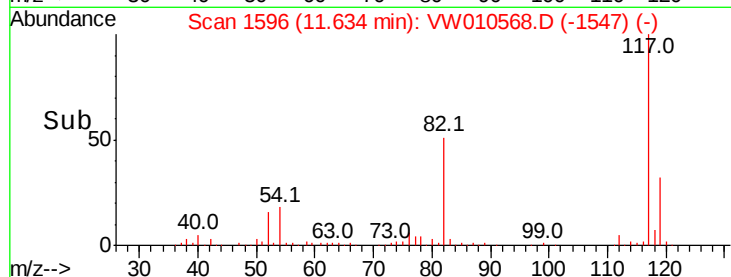
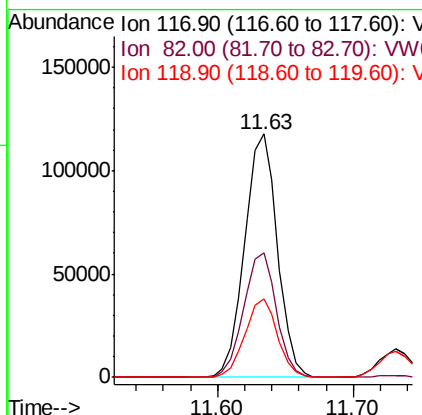
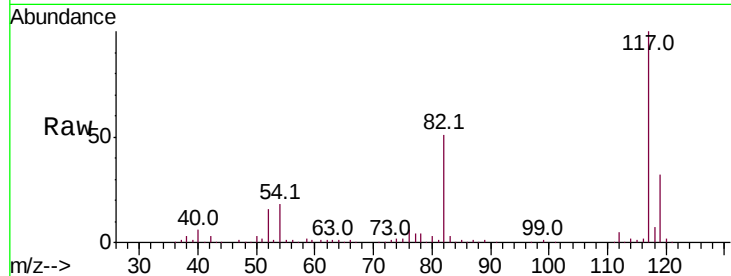
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	197952		
82	51.1	42.8	64.2	
119	32.4	26.3	39.5	

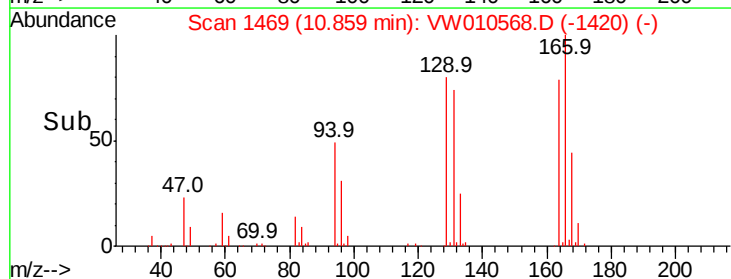
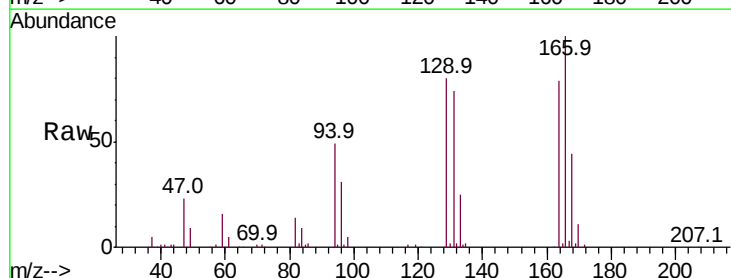
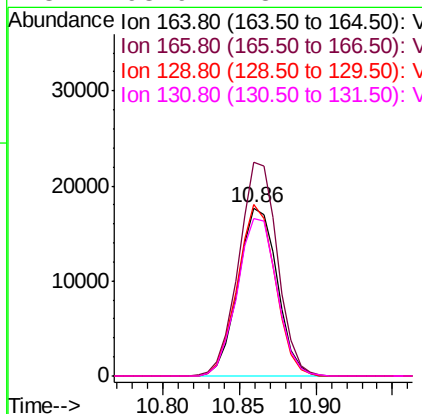
Manual Integrations
APPROVED

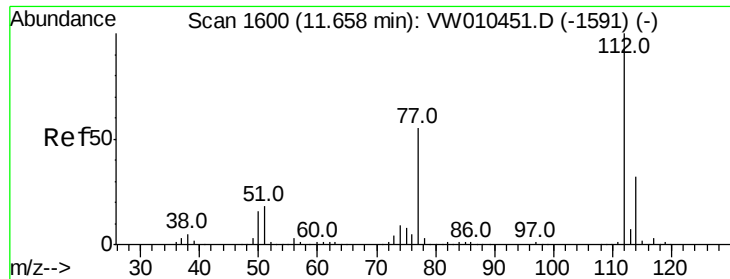
MMDadoda
5/29/2019 11:05:51 AM



#64
Tetrachloroethene
Concen: 22.754 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31399		
166	126.9	101.9	152.9	
129	101.7	80.6	121.0	
131	93.9	78.2	117.2	





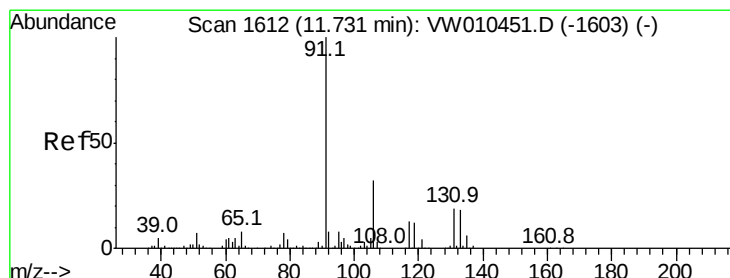
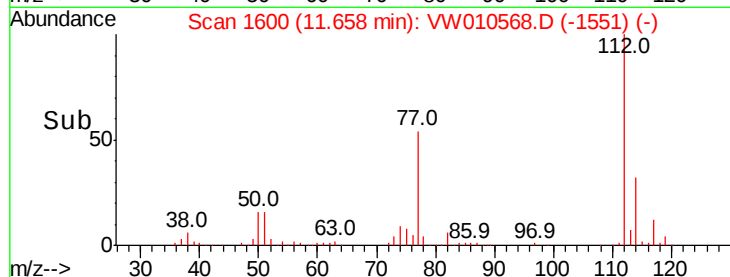
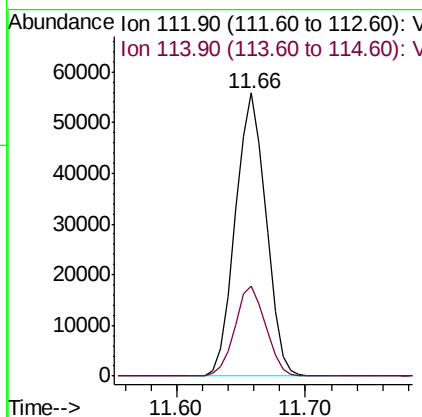
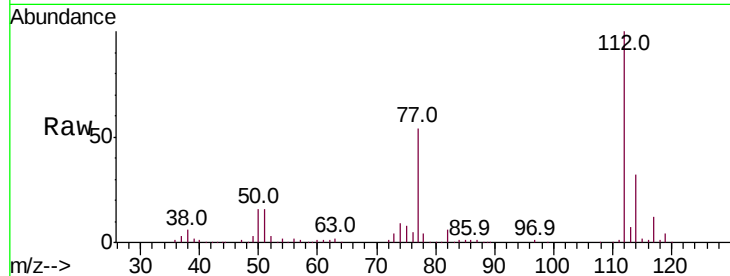
#65
Chlorobenzene
Concen: 21.833 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion:112 Resp: 92108
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

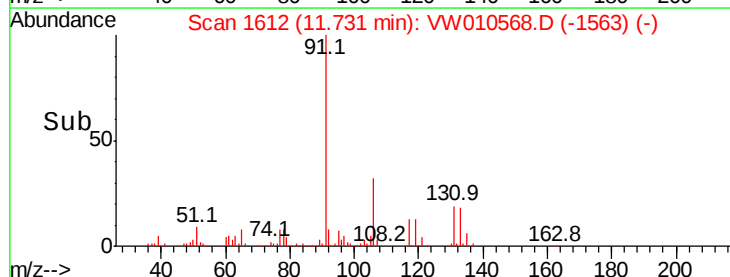
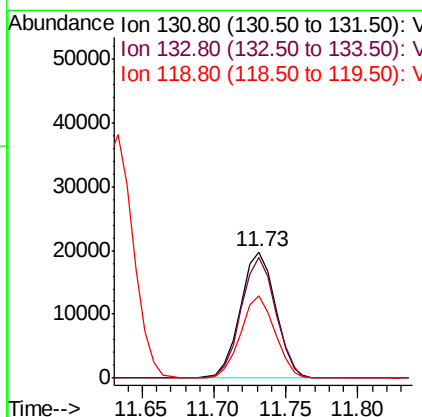
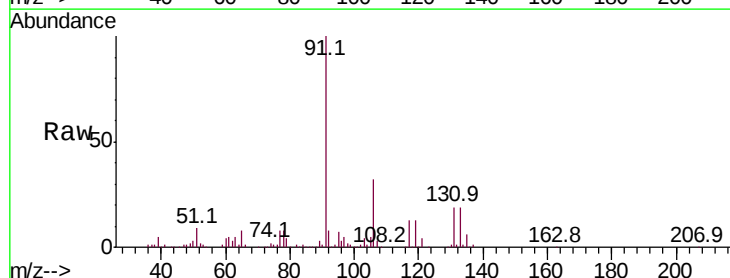
Manual Integrations
APPROVED

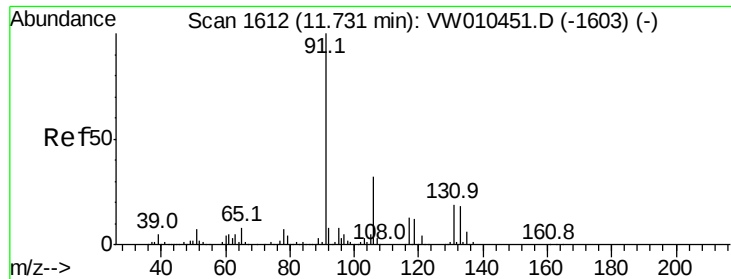
MMDadoda
5/29/2019 11:05:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.169 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion:131 Resp: 33503
Ion Ratio Lower Upper
131 100
133 94.1 47.3 141.9
119 63.8 32.1 96.5





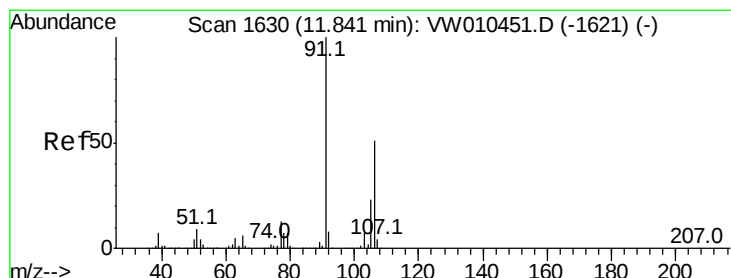
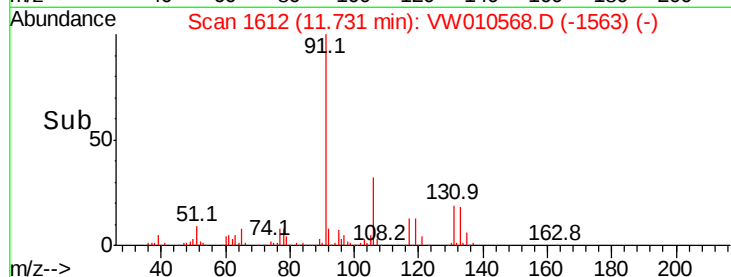
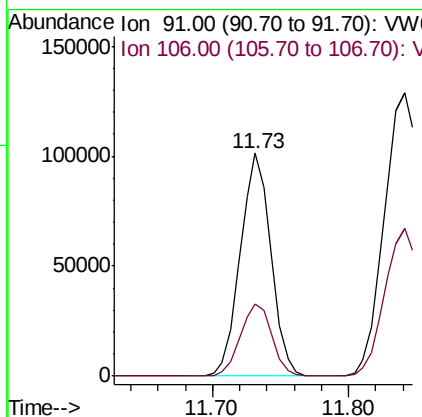
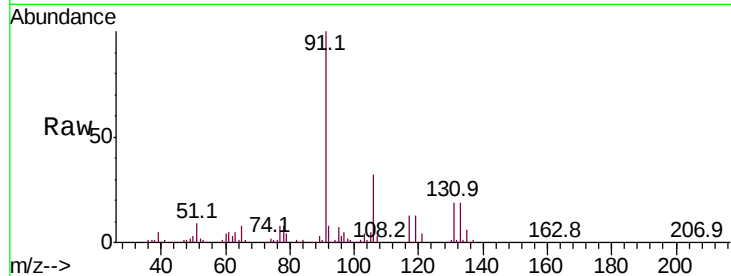
#67
Ethyl Benzene
Concen: 21.356 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion: 91 Resp: 159067
Ion Ratio Lower Upper
91 100
106 32.3 25.9 38.9

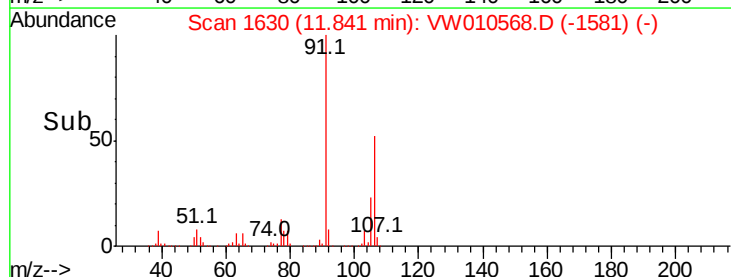
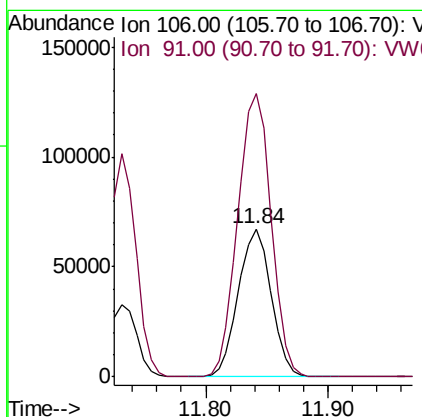
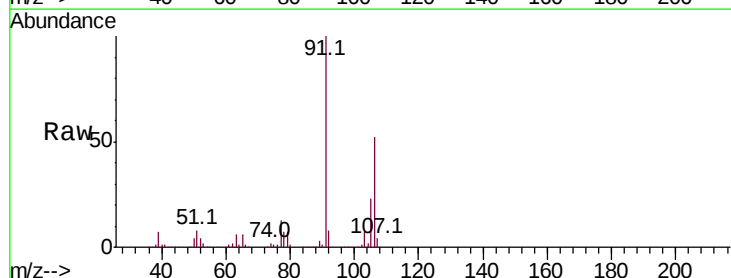
Manual Integrations
APPROVED

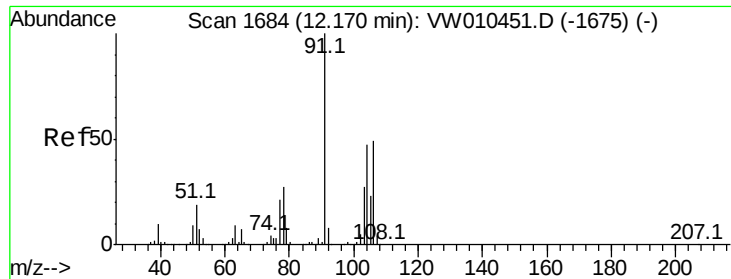
MMDadoda
5/29/2019 11:05:51 AM



#68
m/p-Xylenes
Concen: 43.067 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 106 Resp: 125823
Ion Ratio Lower Upper
106 100
91 194.2 156.0 234.0





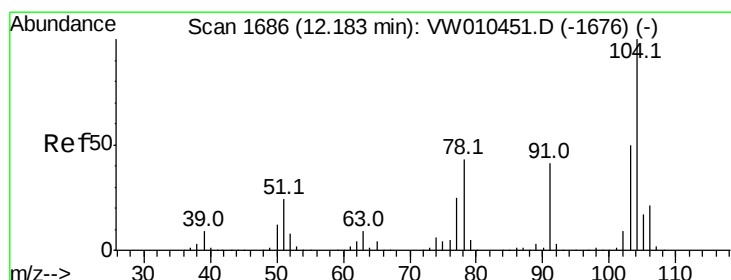
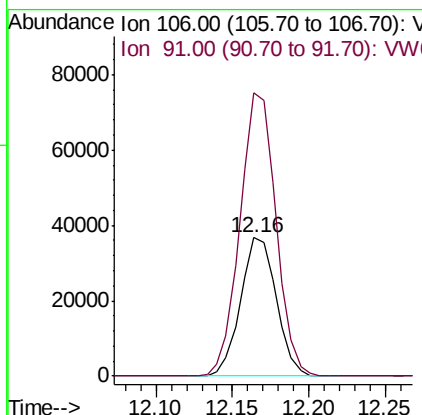
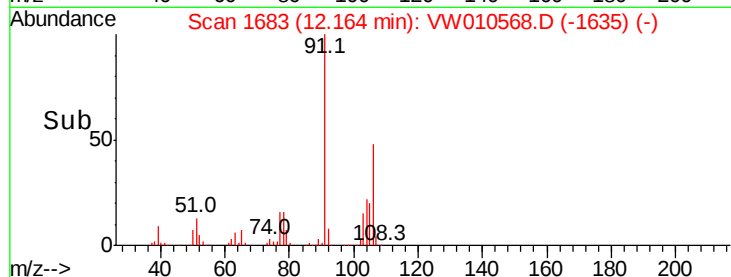
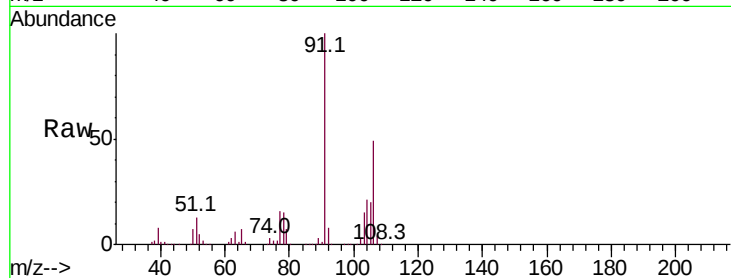
#69
o-Xylene
Concen: 21.594 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion:106 Resp: 59772
Ion Ratio Lower Upper
106 100
91 205.5 103.2 309.4

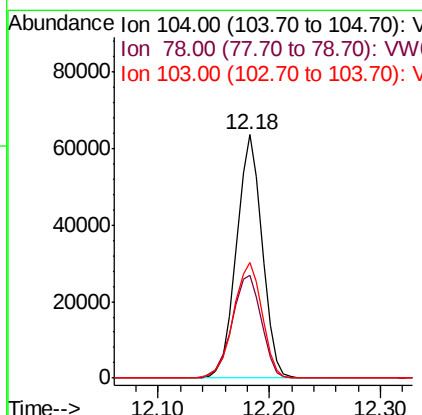
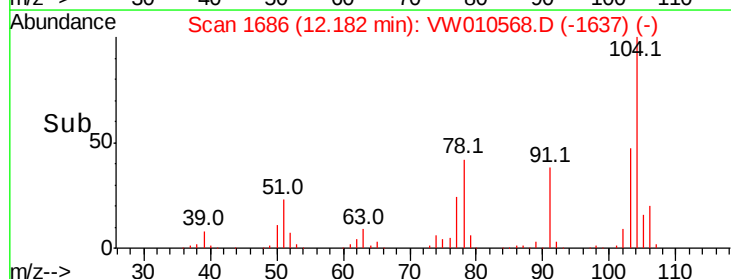
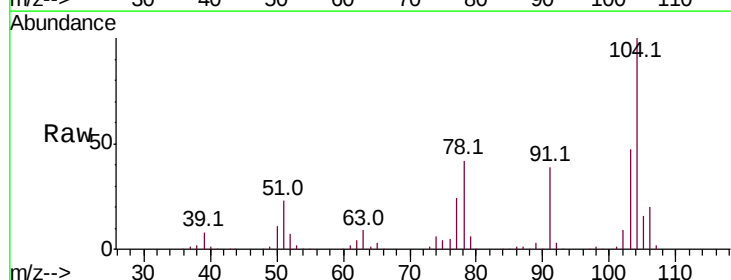
Manual Integrations
APPROVED

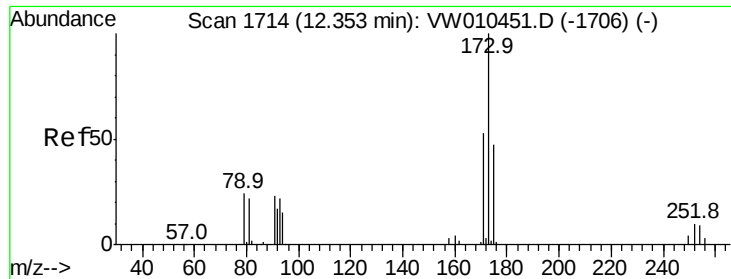
MMDadoda
5/29/2019 11:05:51 AM



#70
Styrene
Concen: 21.603 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion:104 Resp: 101461
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.4
103 52.8 43.0 64.6





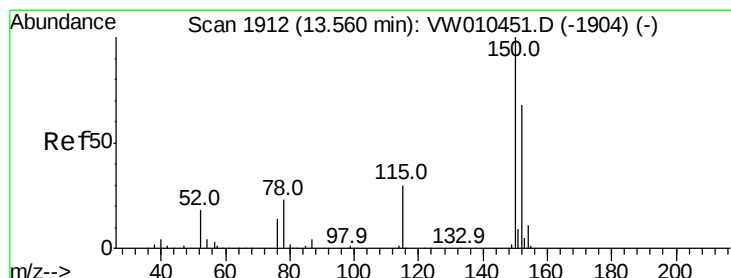
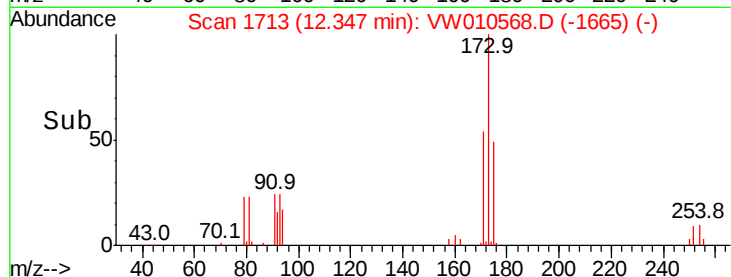
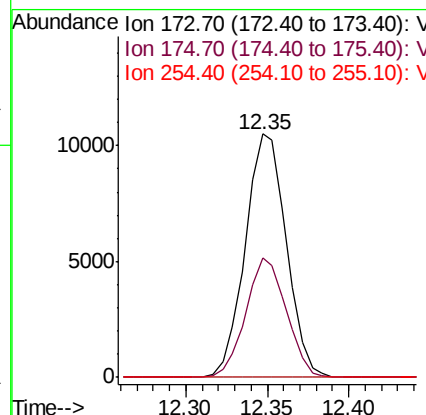
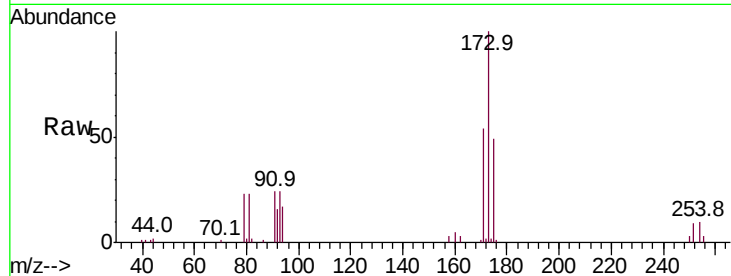
#71
Bromoform
Concen: 22.021 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.4
254	0.0	0.0	0.0

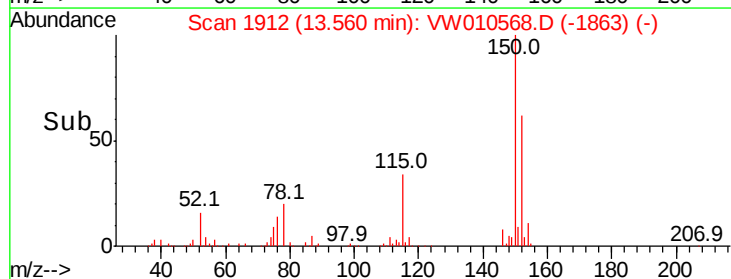
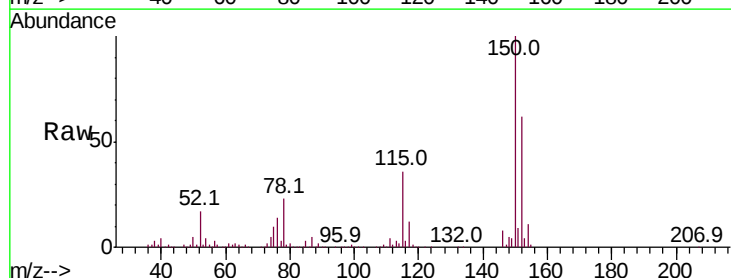
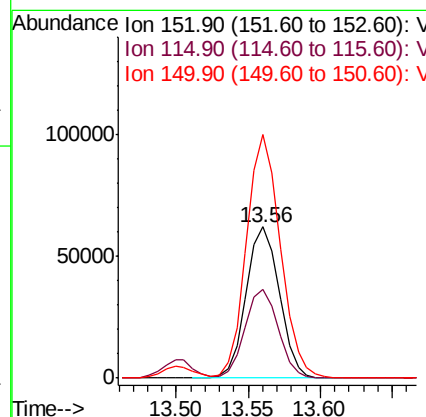
Manual Integrations
APPROVED

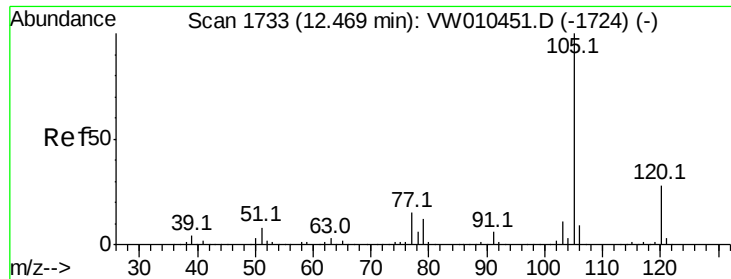
MMDadoda
5/29/2019 11:05:51 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.3	91.0
150	164.4	0.0	349.8





#73

Isopropylbenzene

Concen: 20.814 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

Tot Ion: 105 Resp: 163479

Ion Ratio Lower Upper

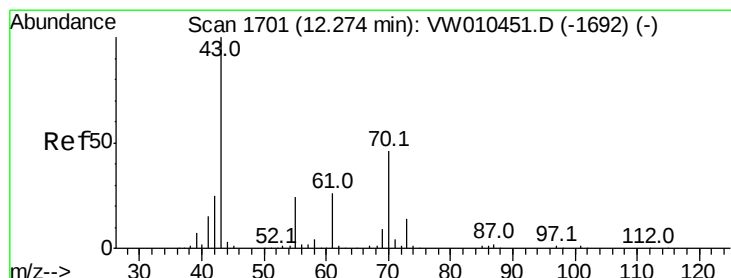
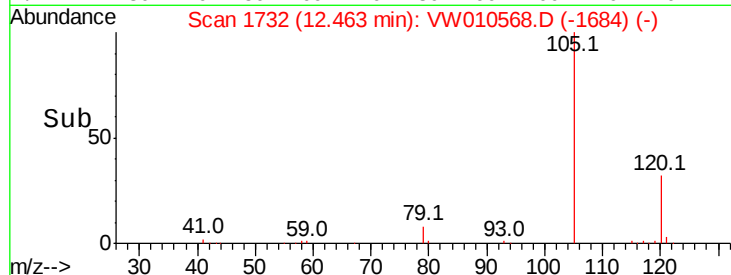
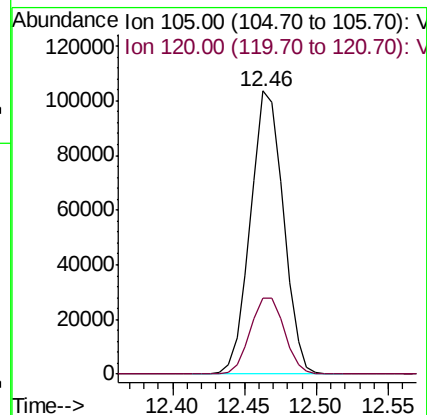
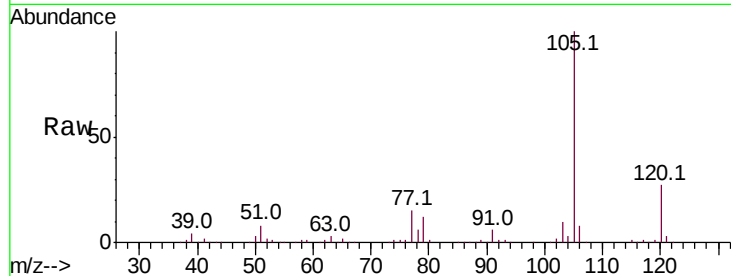
105 100

120 28.0 13.9 41.7

Manual Integrations
APPROVED

MMDadoda

5/29/2019 11:05:51 AM



#74

N-ethyl acetate

Concen: 19.217 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion: 43 Resp: 34588

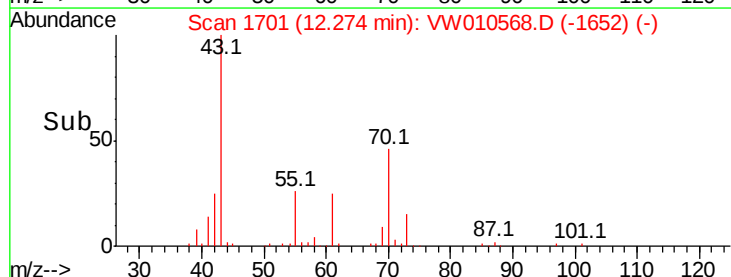
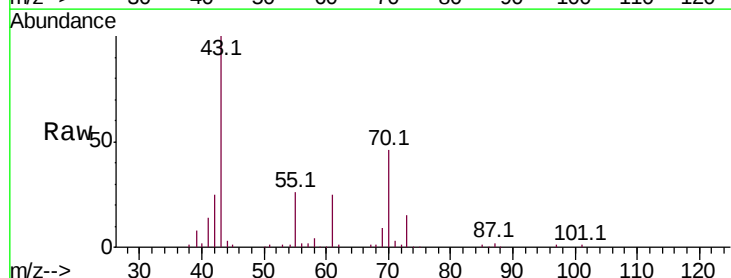
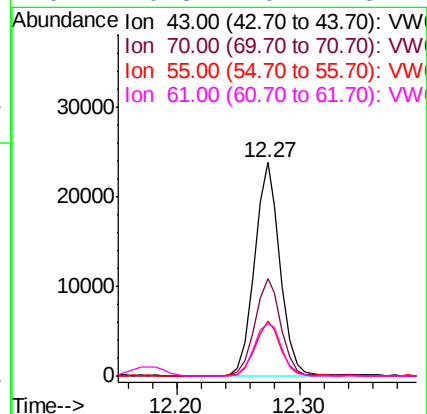
Ion Ratio Lower Upper

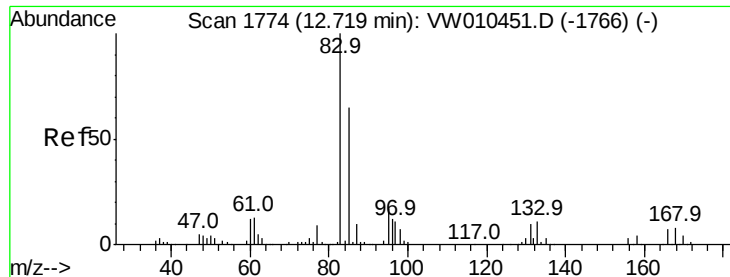
43 100

70 46.6 37.1 55.7

55 25.7 19.6 29.4

61 26.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.692 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

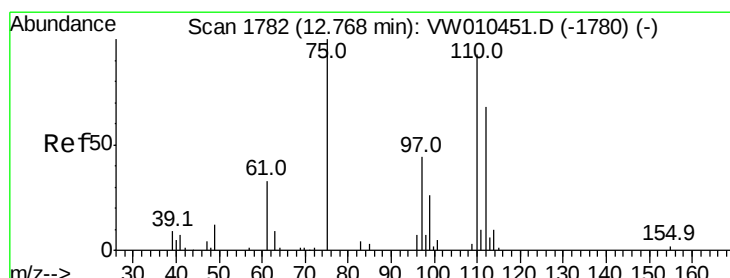
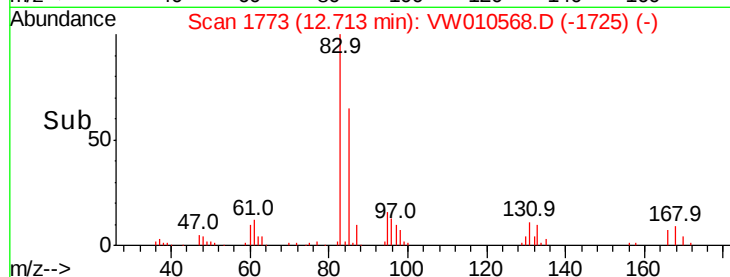
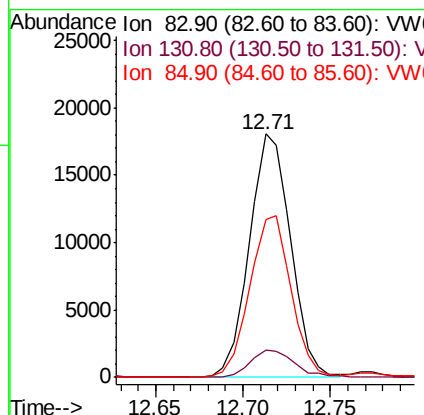
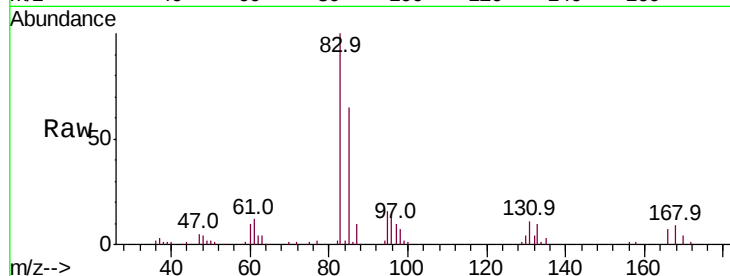
ClientSampleId :

VW0528SBS01

Tot Ion:	83	Resp:	29561
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.6	16.8
85	66.8	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#76

1,2,3-Trichloropropane

Concen: 20.412 ug/l m

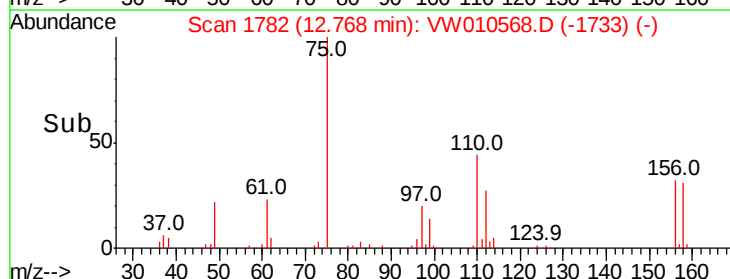
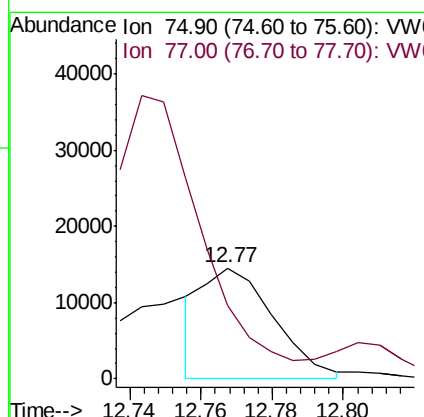
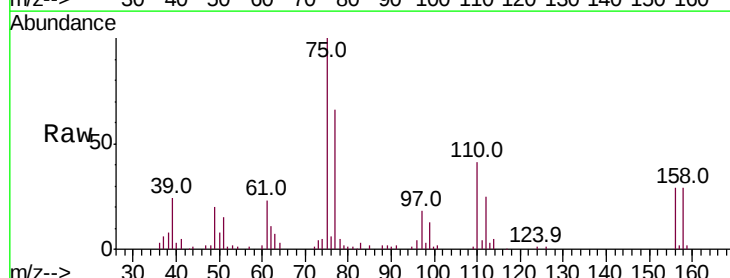
RT: 12.77 min Scan# 1782

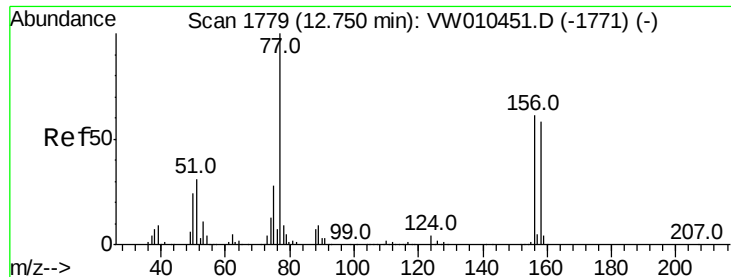
Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion:	75	Resp:	20508
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





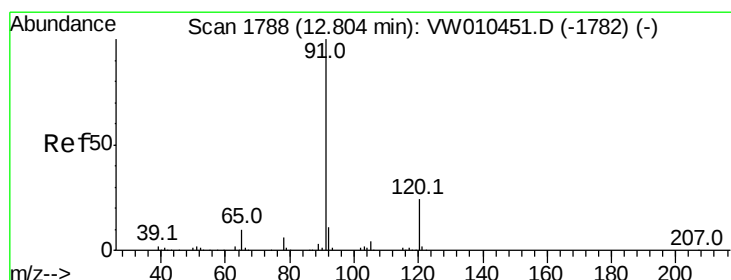
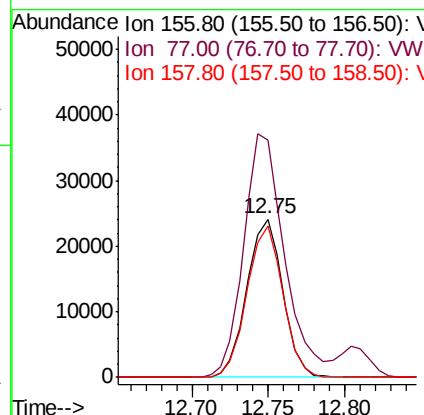
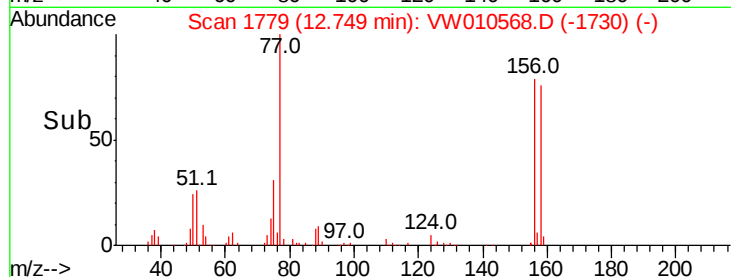
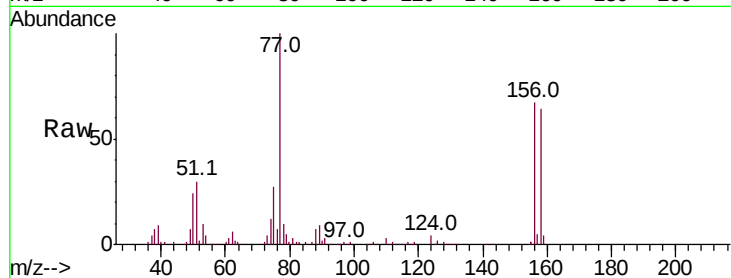
#77
Bromobenzene
Concen: 22.412 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.4	92.4	277.2
158	96.0	48.3	144.8

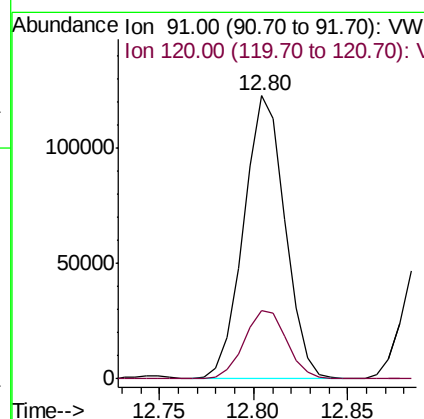
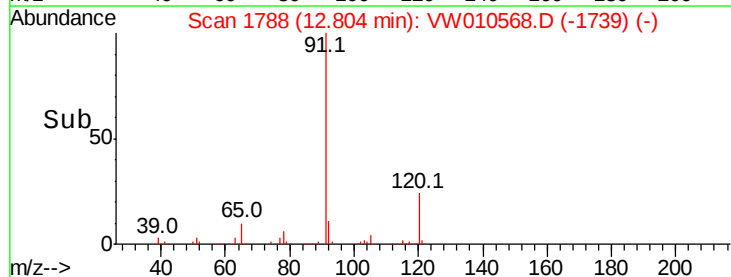
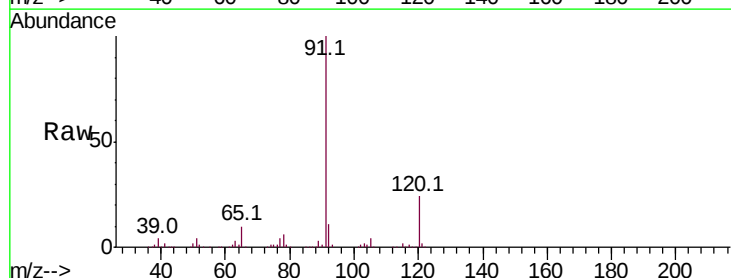
Manual Integrations
APPROVED

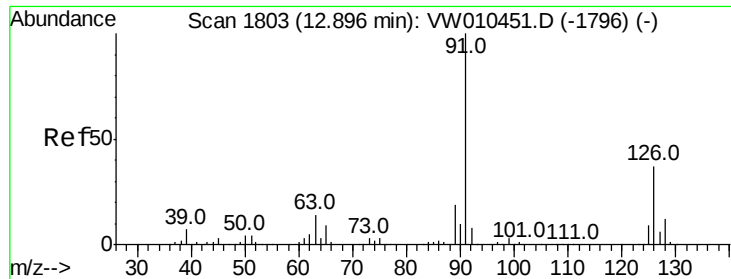
MMDadoda
5/29/2019 11:05:51 AM



#78
n-propylbenzene
Concen: 20.309 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8





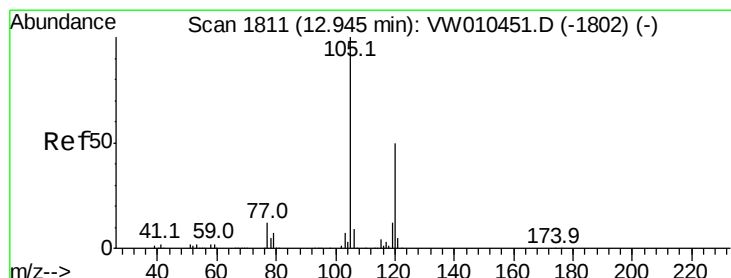
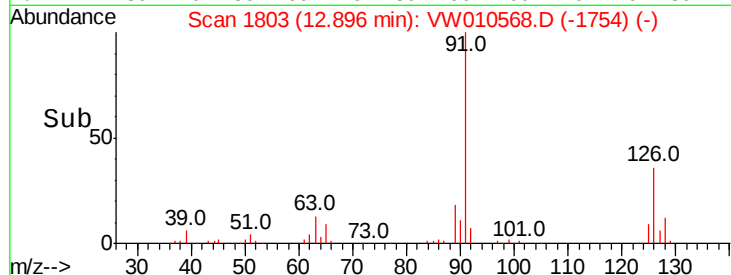
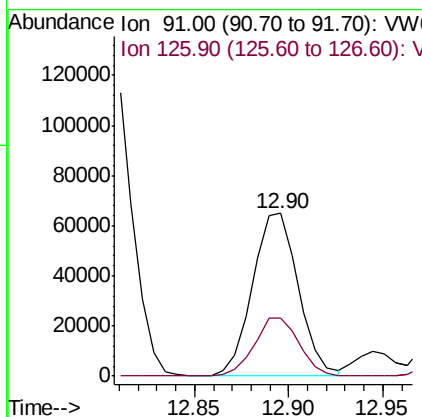
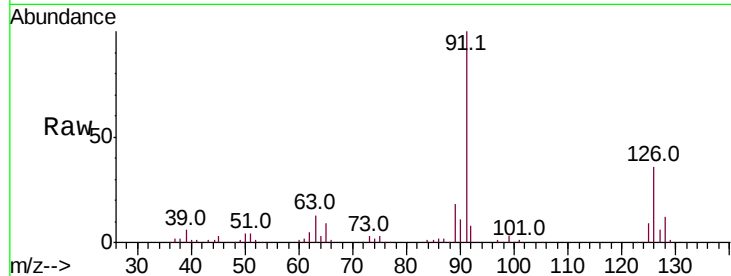
#79
2-Chlorotoluene
Concen: 20.605 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion: 91 Resp: 109377
Ion Ratio Lower Upper
91 100
126 35.3 17.4 52.3

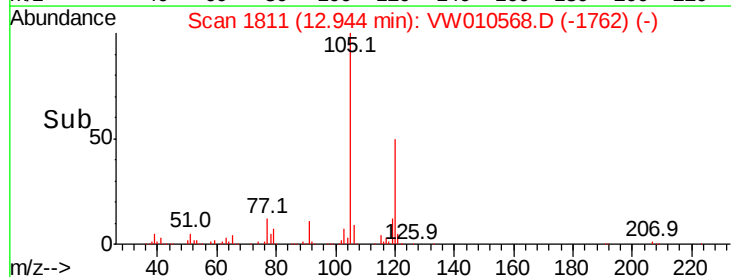
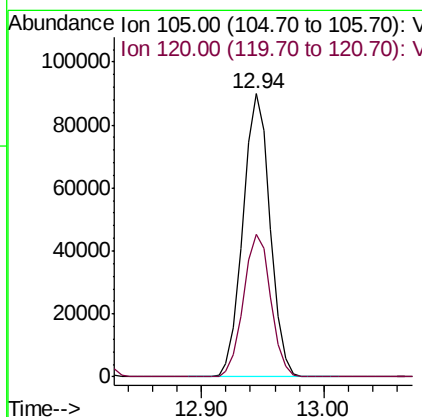
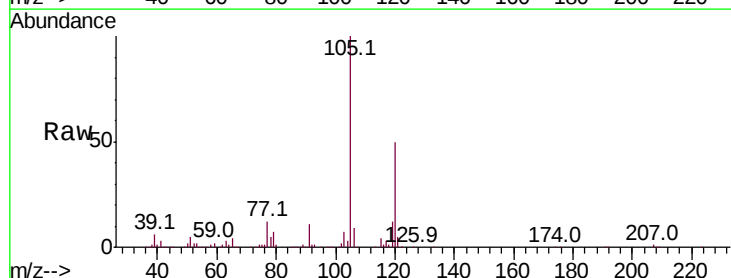
Manual Integrations
APPROVED

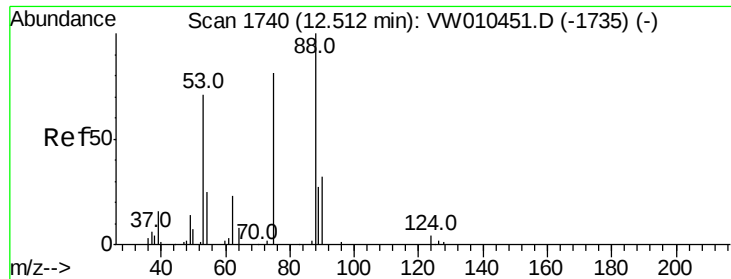
MMDadoda
5/29/2019 11:05:51 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.797 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion:105 Resp: 138344
Ion Ratio Lower Upper
105 100
120 50.8 25.2 75.6





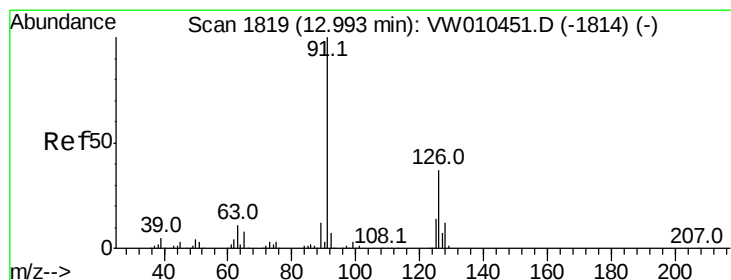
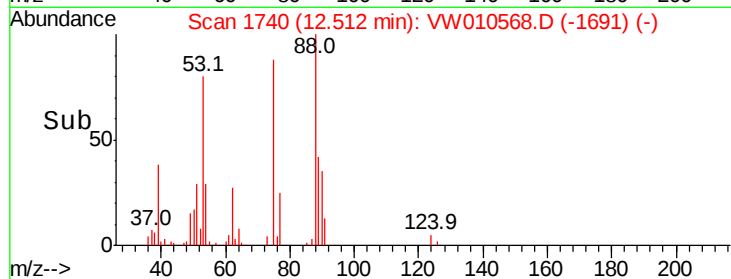
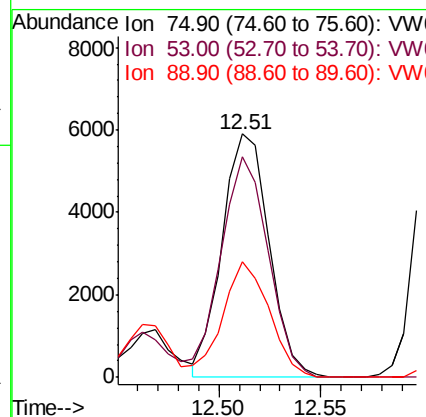
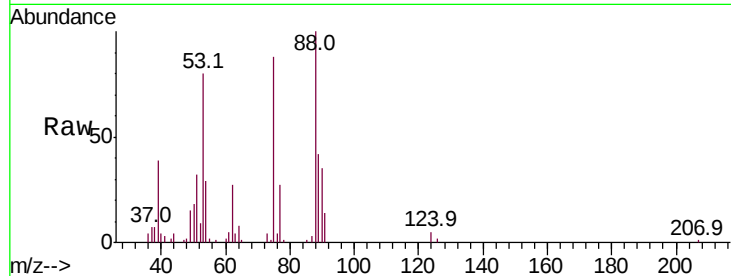
#81
trans-1,4-Dichloro-2-butene
Concen: 19.588 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	69.8	104.8
89	47.6	39.5	59.3

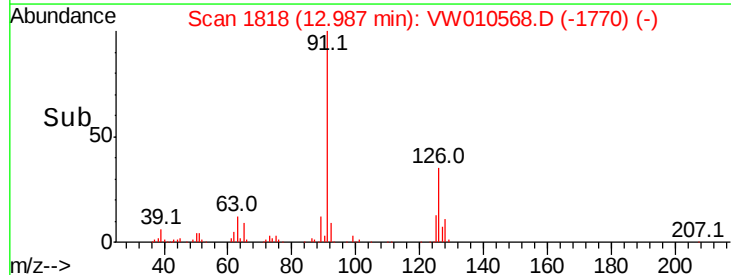
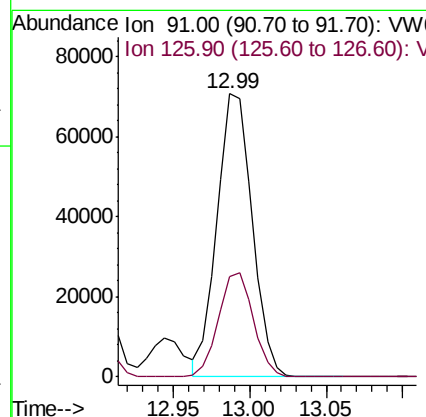
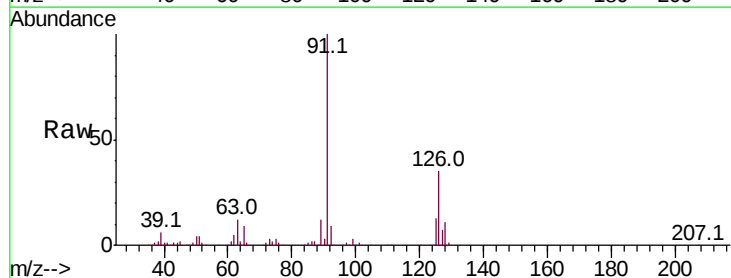
Manual Integrations
APPROVED

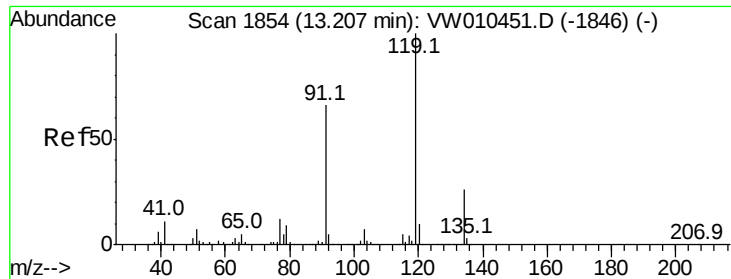
MMDadoda
5/29/2019 11:05:51 AM



#82
4-Chlorotoluene
Concen: 20.558 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.5	52.6





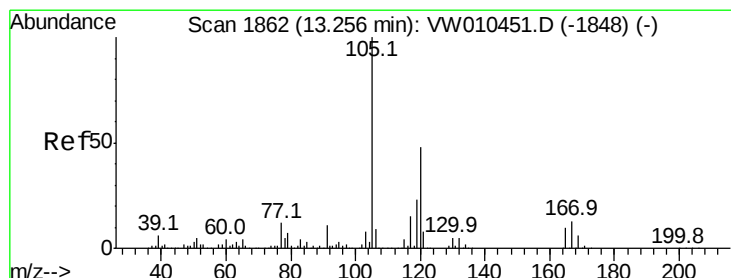
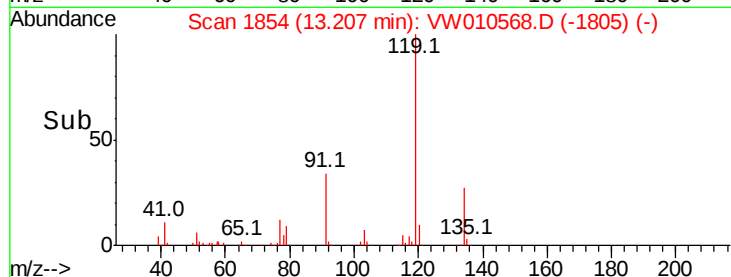
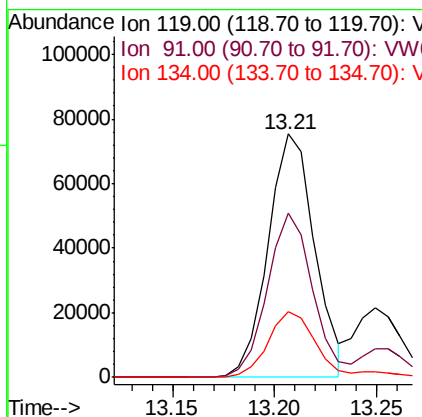
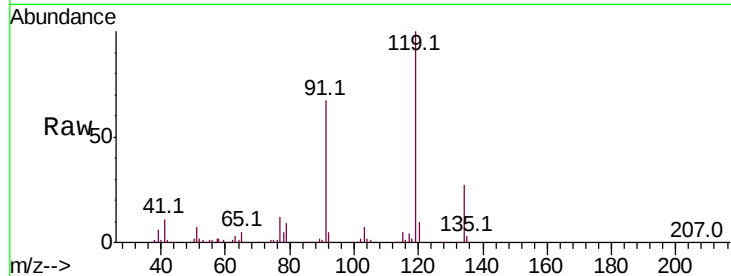
#83
 tert-Butylbenzene
 Concen: 20.660 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	120049		
91	66.3		33.1	99.5
134	28.9		13.9	41.6

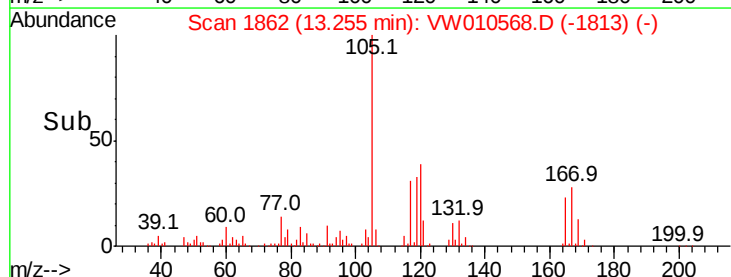
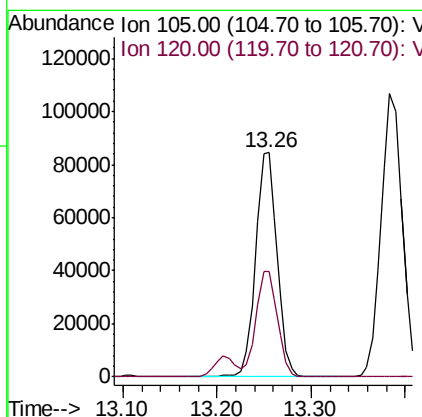
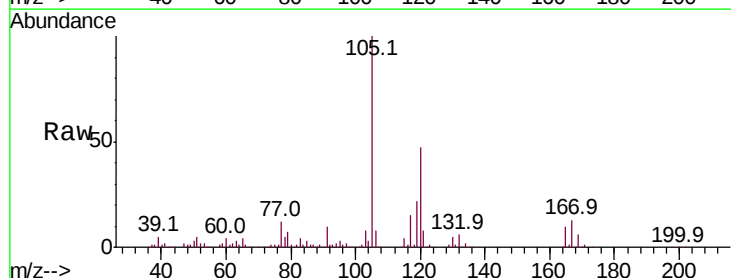
Manual Integrations
 APPROVED

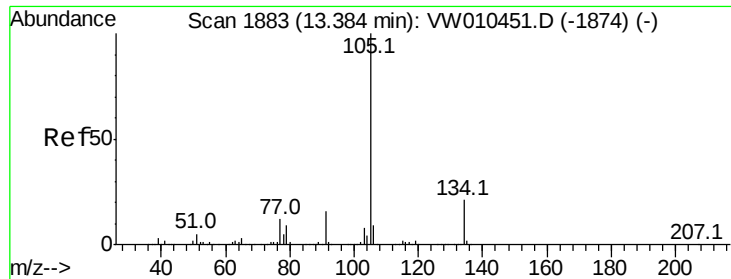
MMDadoda
 5/29/2019 11:05:51 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.587 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	136397		
120	47.1		23.4	70.2





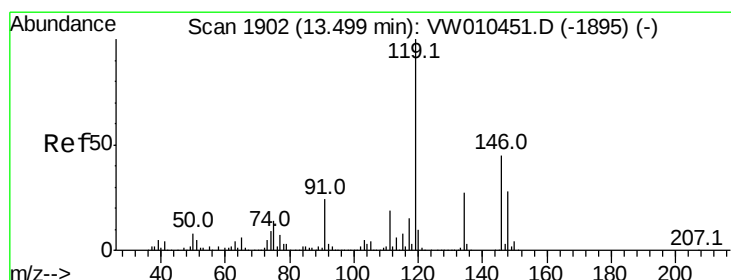
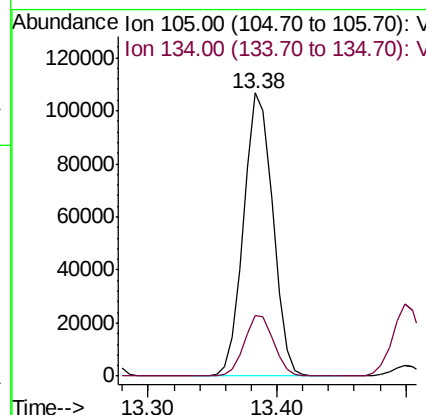
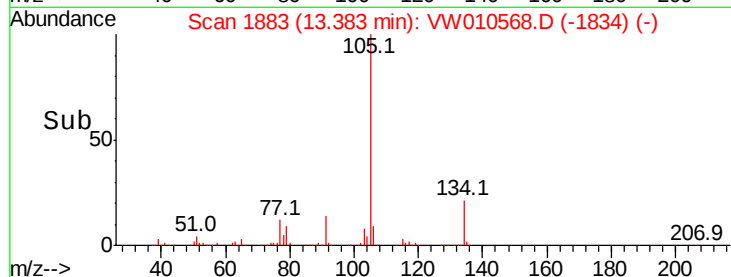
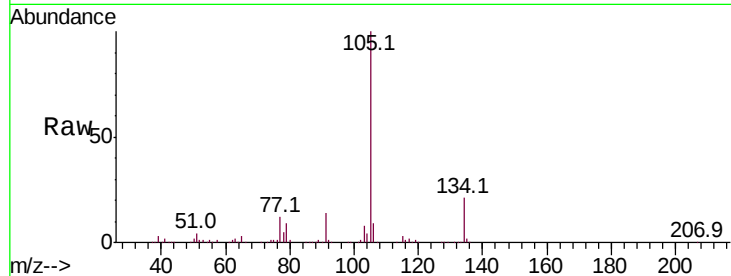
#85
 sec-Butylbenzene
 Concen: 20.538 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	167010		
134	21.4	10.5	31.6	

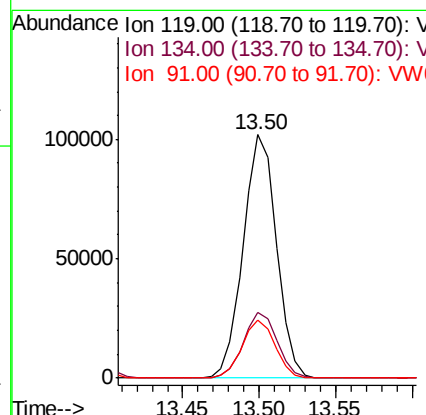
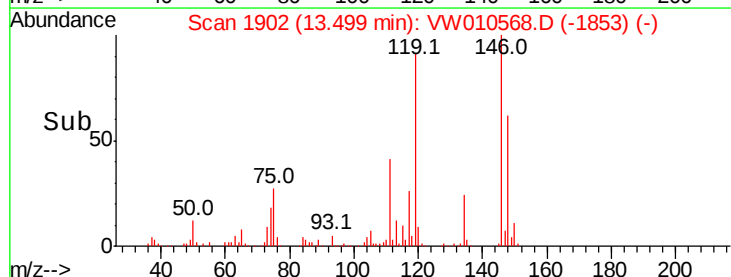
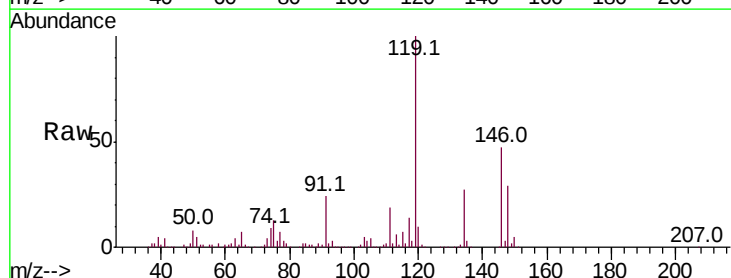
Manual Integrations
 APPROVED

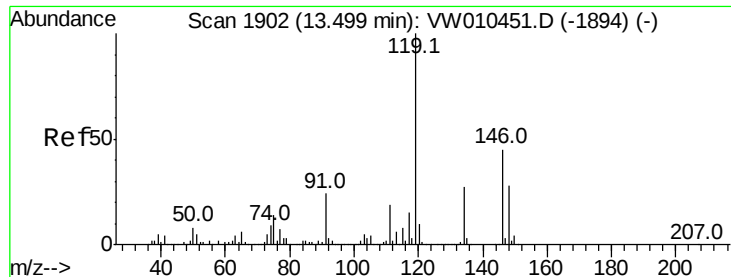
MMDadoda
 5/29/2019 11:05:51 AM



#86
 p-Isopropyltoluene
 Concen: 20.865 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	153570		
134	27.4	13.6	40.7	
91	24.0	11.9	35.7	





#87

1,3-Dichlorobenzene

Concen: 21.882 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010568.D

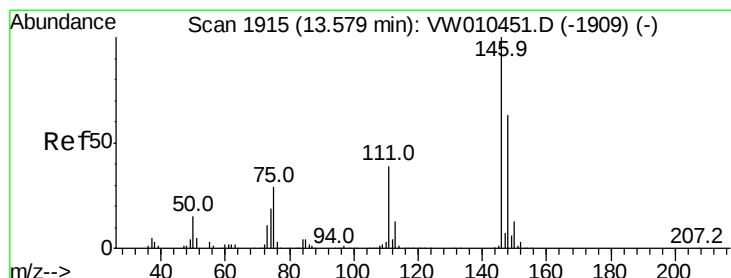
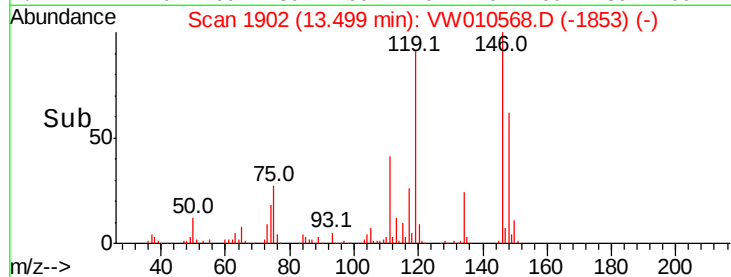
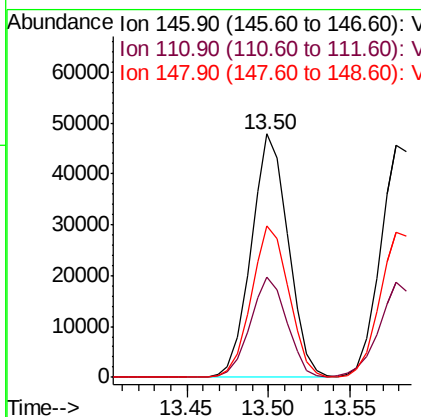
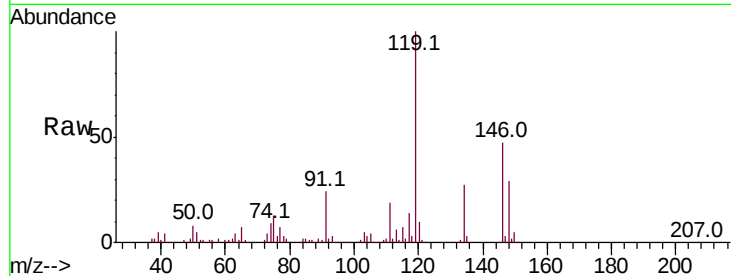
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.9
148	63.1	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#88

1,4-Dichlorobenzene

Concen: 21.731 ug/l

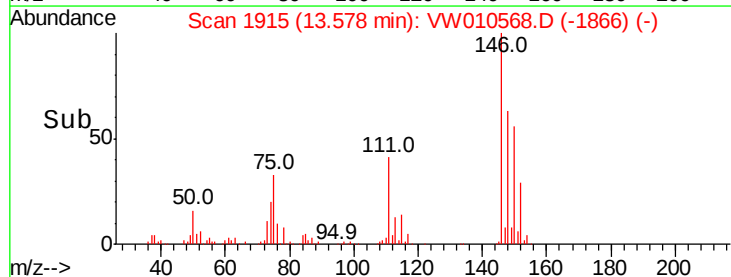
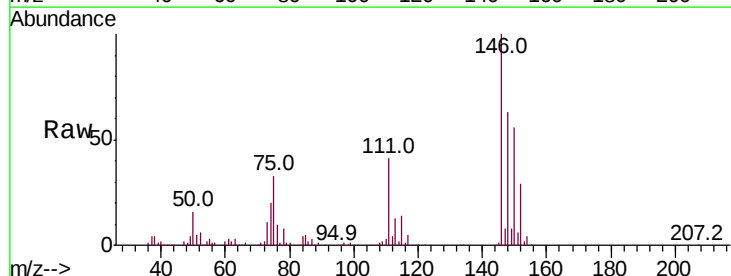
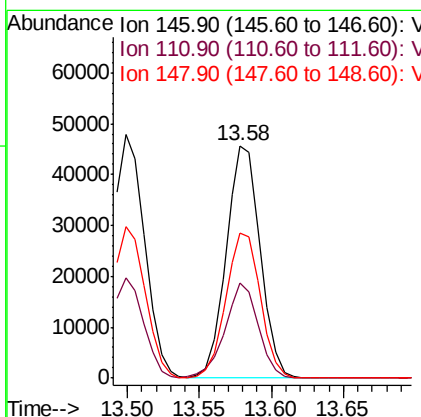
RT: 13.58 min Scan# 1915

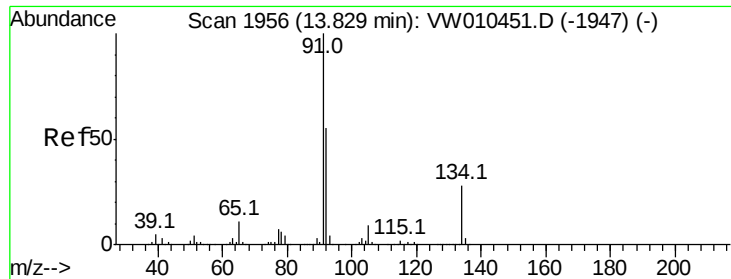
Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.6
148	63.5	31.6	94.8





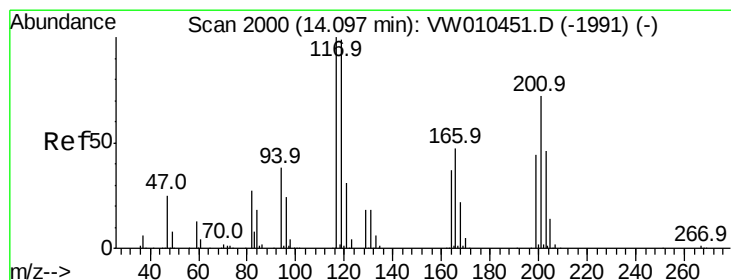
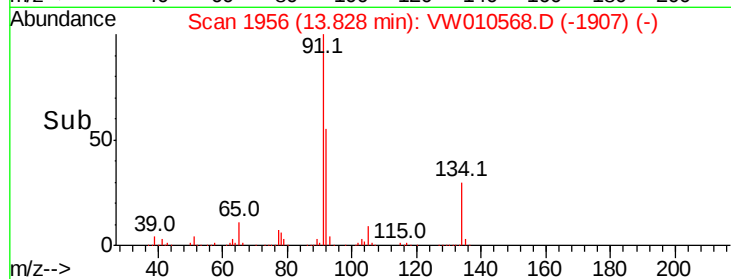
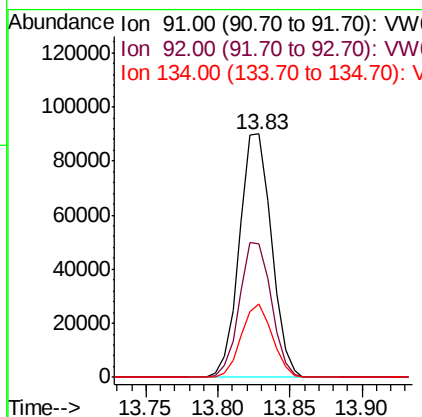
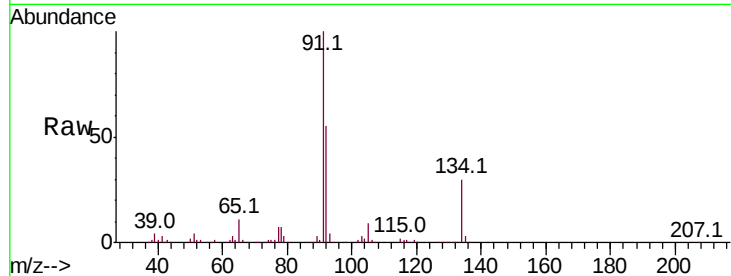
#89
n-Butylbenzene
Concen: 19.876 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.3	27.7	83.1	
134	29.1	13.9	41.6	

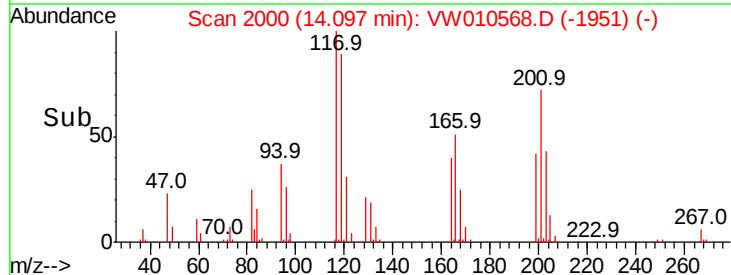
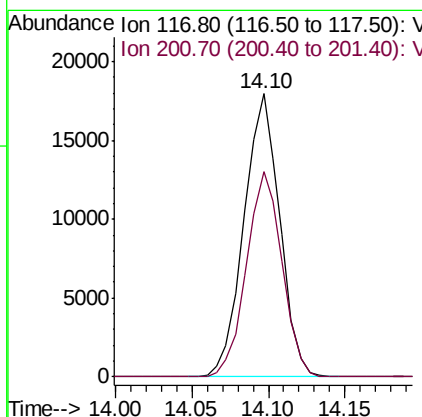
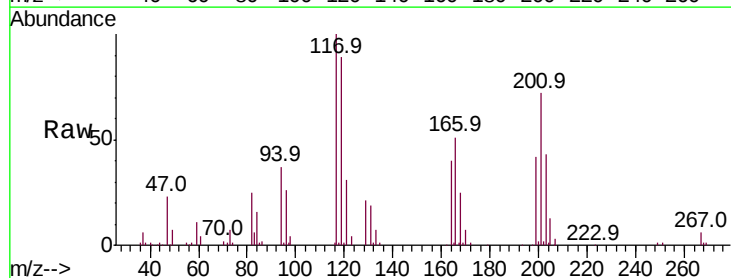
Manual Integrations
APPROVED

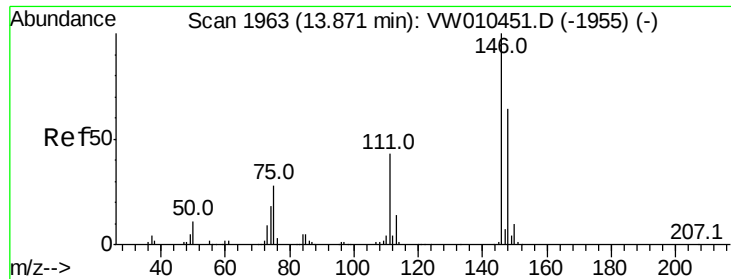
MMDadoda
5/29/2019 11:05:51 AM



#90
Hexachloroethane
Concen: 20.451 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.9	34.6	103.8	





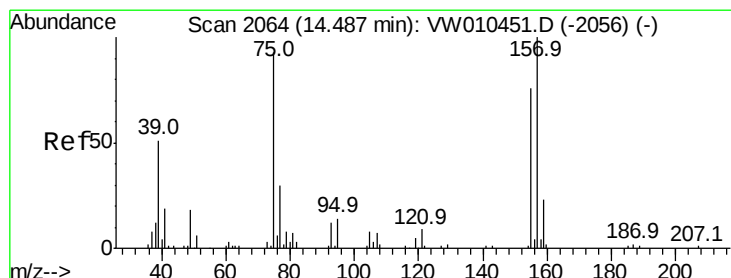
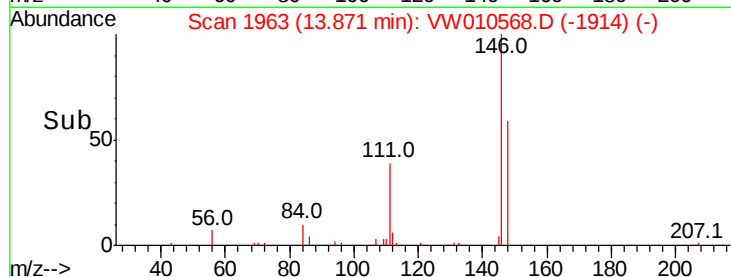
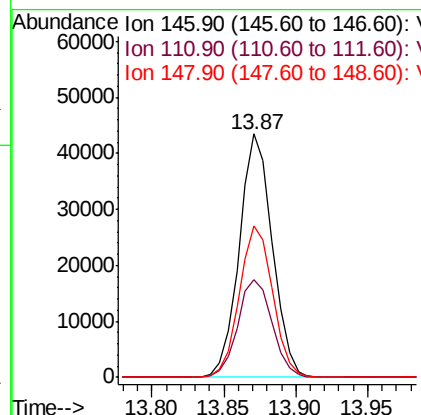
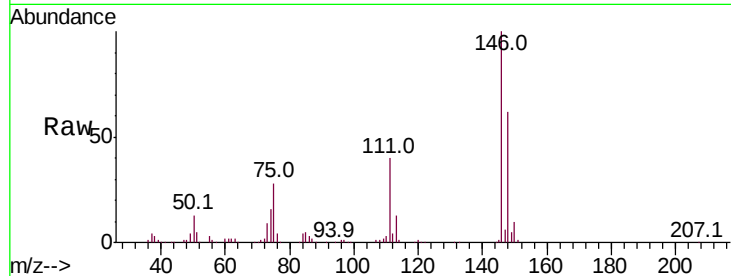
#91
 1,2-Dichlorobenzene
 Concen: 22.034 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	64.0
148	62.7	32.0	96.0

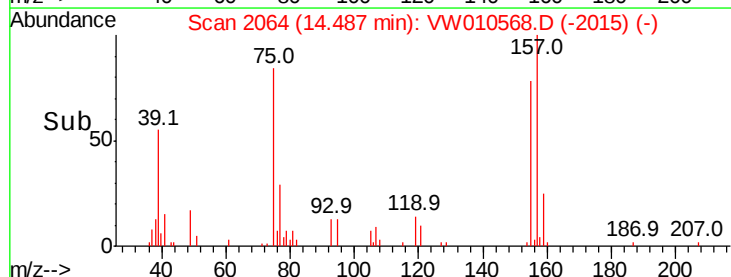
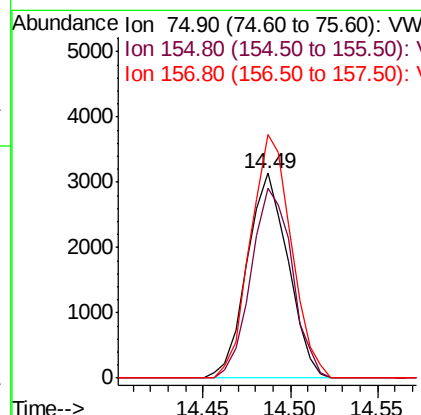
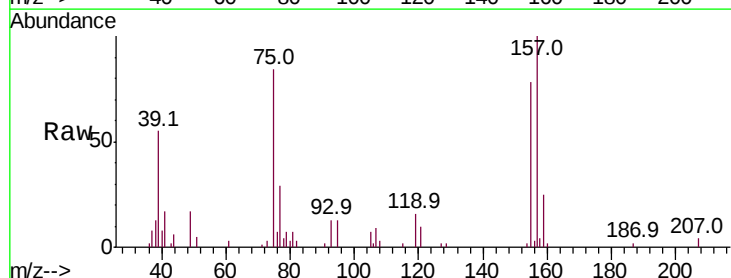
Manual Integrations
 APPROVED

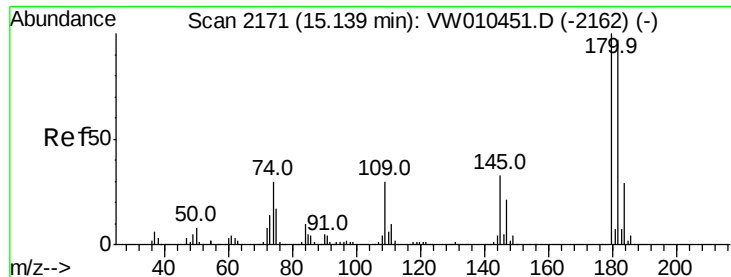
MMDadoda
 5/29/2019 11:05:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.259 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	43.0	129.0
157	119.2	55.7	167.1





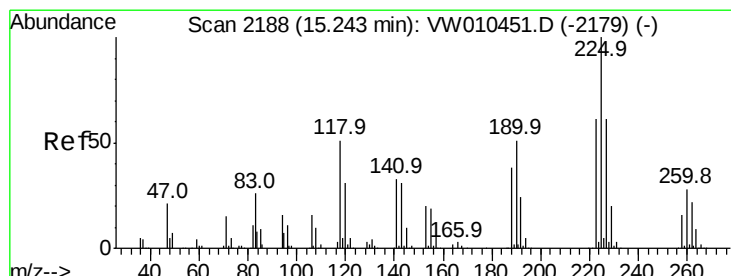
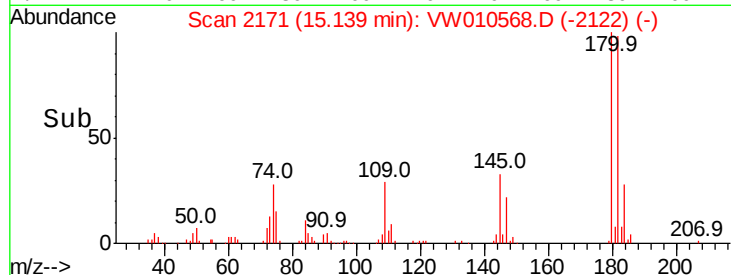
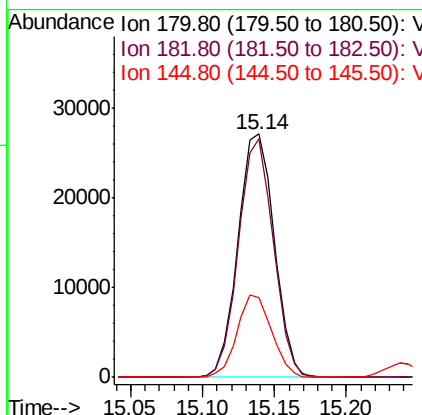
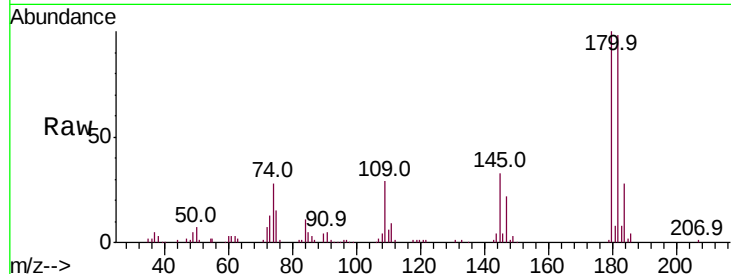
#93
1,2,4-Trichlorobenzene
Concen: 22.141 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampled :
VW0528SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.0	141.2
145	32.5	16.7	50.0

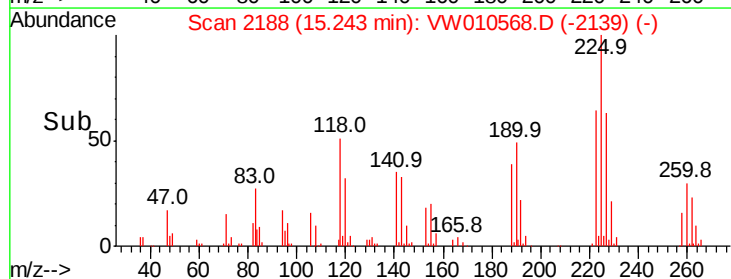
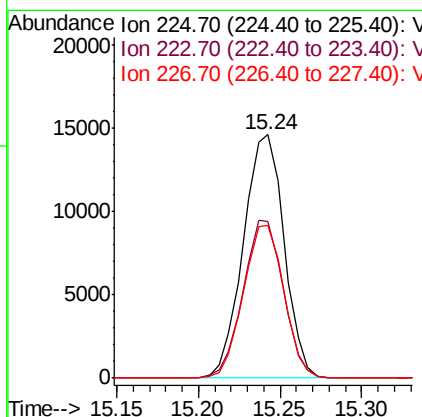
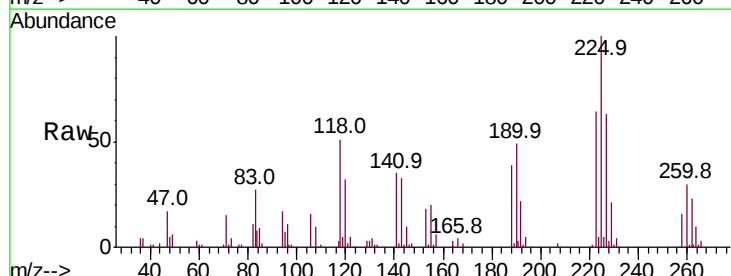
Manual Integrations
APPROVED

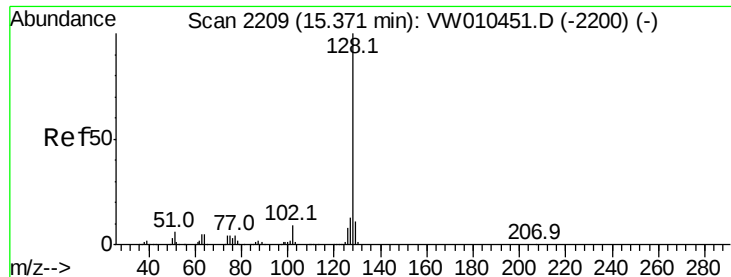
MMDadoda
5/29/2019 11:05:51 AM



#94
Hexachlorobutadiene
Concen: 22.312 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.2
227	62.4	31.1	93.5





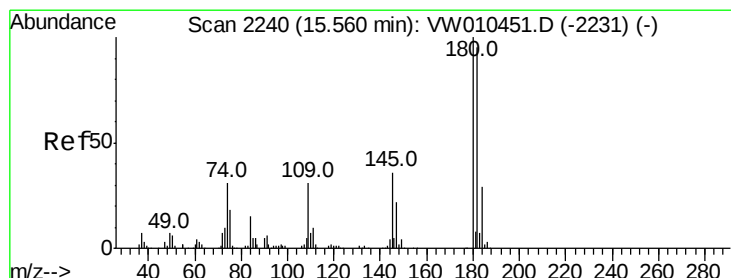
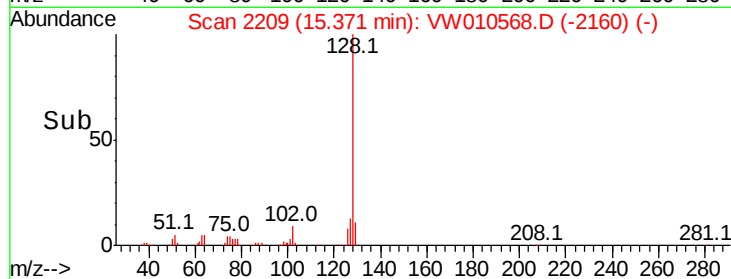
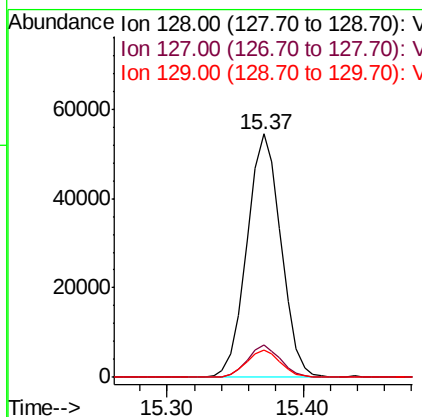
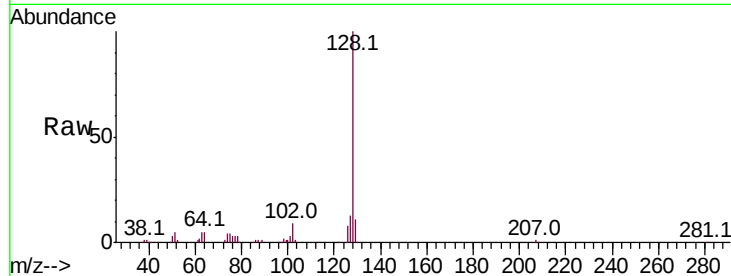
#95
Naphthalene
Concen: 21.293 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.806 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.1	141.3
145	34.5	17.4	52.3

