

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009577.D
 Acq On : 29 Mar 2019 17:47
 Operator : SY/VA
 Sample : VW0329SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:59 AM

Quant Time: Mar 30 05:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	172168	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
35) Dibromofluoromethane	7.88	113	143016	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.32	98	522434	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.62	95	199107	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33464	18.350	ug/l	97
3) Chloromethane	2.21	50	44952	19.426	ug/l	98
4) Vinyl Chloride	2.37	62	60301	19.512	ug/l	96
5) Bromomethane	2.77	94	47135	19.769	ug/l	99
6) Chloroethane	2.92	64	45279	19.784	ug/l	98
7) Trichlorofluoromethane	3.25	101	37231	17.632	ug/l	97
8) Diethyl Ether	3.67	74	29380	20.721	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57119	20.161	ug/l	95
10) Methyl Iodide	4.27	142	75543	19.542	ug/l	97
11) Tert butyl alcohol	5.18	59	20966	115.120	ug/l #	70
12) 1,1-Dichloroethene	4.03	96	52336	19.740	ug/l	91
13) Acrolein	3.88	56	13231	99.050	ug/l	91
14) Allyl chloride	4.66	41	73755	17.393	ug/l	97
15) Acrylonitrile	5.37	53	67328	103.886	ug/l	98
16) Acetone	4.12	43	72393	102.506	ug/l	98
17) Carbon Disulfide	4.37	76	145796	19.326	ug/l	97
18) Methyl Acetate	4.67	43	33820	19.811	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	72399	19.634	ug/l	99
20) Methylene Chloride	4.92	84	71443	23.749	ug/l #	92
21) trans-1,2-Dichloroethene	5.41	96	55133	19.586	ug/l	91
22) Diisopropyl ether	6.31	45	182273	19.903	ug/l	100
23) Vinyl Acetate	6.25	43	603845	105.692	ug/l	99
24) 1,1-Dichloroethane	6.21	63	108001	19.593	ug/l	97
25) 2-Butanone	7.17	43	107356	110.004	ug/l	97
26) 2,2-Dichloropropane	7.17	77	58563	18.583	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	60813	19.781	ug/l	96
28) Bromochloromethane	7.51	49	50732	21.240	ug/l #	94
29) Tetrahydrofuran	7.52	42	68580	113.170	ug/l	99
30) Chloroform	7.67	83	114021	19.972	ug/l	100
31) Cyclohexane	7.95	56	96485	18.671	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	86826	18.786	ug/l	99
36) 1,1-Dichloropropene	8.07	75	84693	18.913	ug/l	99
37) Ethyl Acetate	7.25	43	47215	22.193	ug/l	99
38) Carbon Tetrachloride	8.06	117	88008	19.180	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95814	18.731	ug/l	96
40) Benzene	8.32	78	238210	19.639	ug/l	98
41) Methacrylonitrile	7.48	41	26358	21.454	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	83784	20.261	ug/l	99
43) Isopropyl Acetate	8.43	43	87993	21.104	ug/l	100
44) Trichloroethene	9.09	130	61495	19.583	ug/l	95
45) 1,2-Dichloropropane	9.37	63	60865	19.604	ug/l	94
46) Dibromomethane	9.46	93	35333	21.008	ug/l	96
47) Bromodichloromethane	9.64	83	85117	19.840	ug/l	96
48) Methyl methacrylate	9.43	41	40624	20.785	ug/l	99
49) 1,4-Dioxane	9.44	88	11301	451.197	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	243175	109.007	ug/l	99
52) Toluene	10.38	92	146005	19.221	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	81271	19.346	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	91387	19.620	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	47798	21.025	ug/l	97
56) Ethyl methacrylate	10.65	69	56642	20.420	ug/l	94
57) 1,3-Dichloropropane	10.93	76	80848	20.063	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142588	104.604	ug/l	100
59) 2-Hexanone	10.97	43	168140	108.906	ug/l	98
60) Dibromochloromethane	11.13	129	55672	20.281	ug/l	97
61) 1,2-Dibromoethane	11.23	107	45561	20.899	ug/l	98
64) Tetrachloroethene	10.86	164	53069	19.061	ug/l	94
65) Chlorobenzene	11.66	112	164926	19.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	61389	19.509	ug/l	99
67) Ethyl Benzene	11.73	91	284005	18.666	ug/l	99
68) m/p-Xylenes	11.84	106	222810	38.566	ug/l	99
69) o-Xylene	12.16	106	100354	18.652	ug/l	97
70) Styrene	12.18	104	170319	18.952	ug/l	100
71) Bromoform	12.35	173	34224	20.210	ug/l #	100
73) Isopropylbenzene	12.46	105	290879	18.298	ug/l	99
74) N-amyl acetate	12.27	43	86263	20.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	61519	20.464	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	42872m	19.958	ug/l	
77) Bromobenzene	12.75	156	70104	19.150	ug/l	99
78) n-propylbenzene	12.80	91	360610	18.397	ug/l	100
79) 2-Chlorotoluene	12.89	91	204546	18.362	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	249273	18.620	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	18091	19.585	ug/l	95
82) 4-Chlorotoluene	12.99	91	216664	18.481	ug/l	100
83) tert-Butylbenzene	13.21	119	212081	18.610	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	259137	18.829	ug/l	100
85) sec-Butylbenzene	13.38	105	317351	18.458	ug/l	99
86) p-Isopropyltoluene	13.50	119	278211	18.604	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	143991	19.050	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	147222	19.501	ug/l	99
89) n-Butylbenzene	13.83	91	271942	18.423	ug/l	99
90) Hexachloroethane	14.10	117	53540	18.697	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	130290	19.277	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11533	21.015	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	86835	19.949	ug/l	99
94) Hexachlorobutadiene	15.24	225	52592	18.814	ug/l	99
95) Naphthalene	15.37	128	162056	20.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	77808	20.008	ug/l	96

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

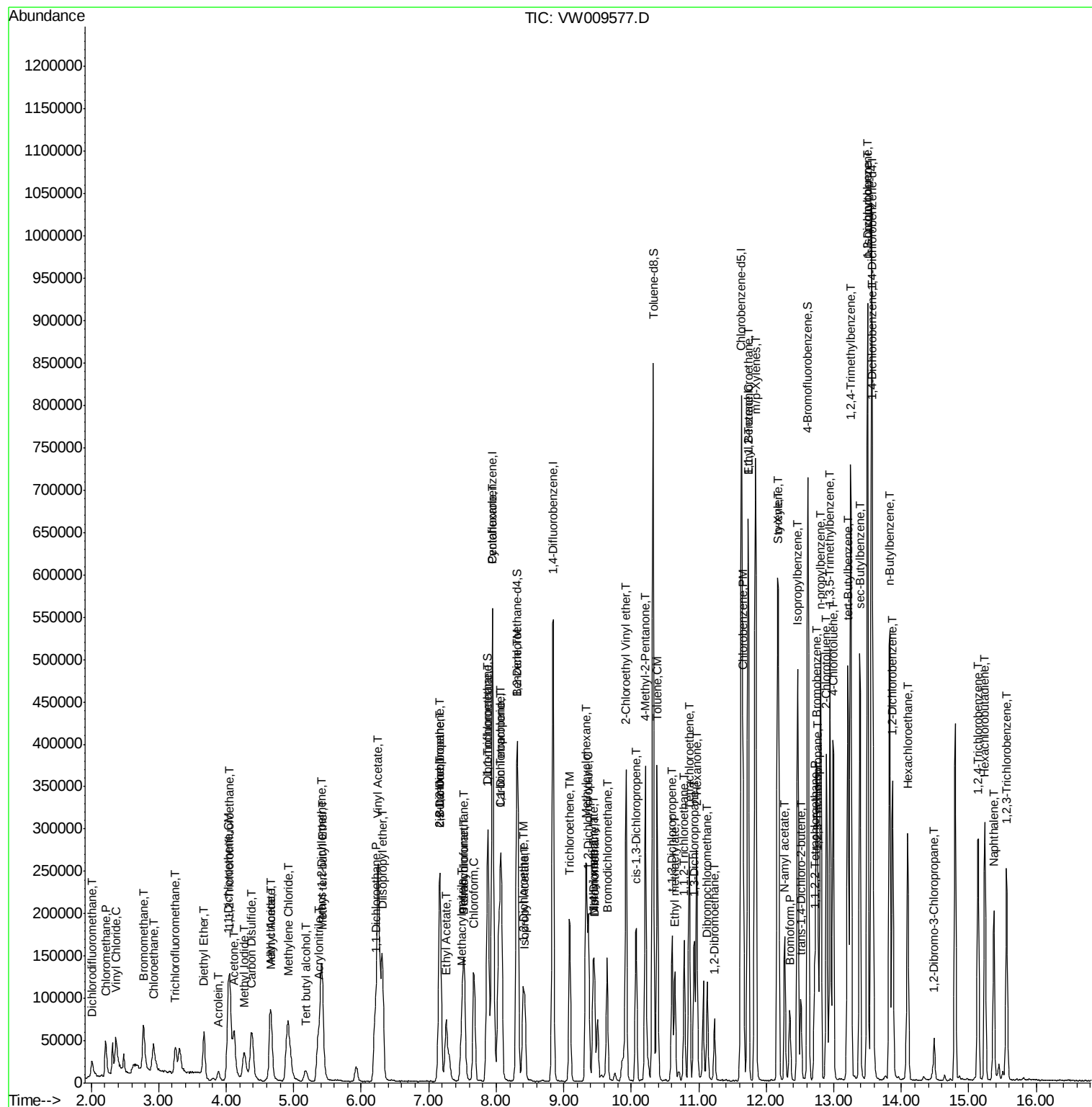
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Data File : VW009577.D
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Operator : SY/VA
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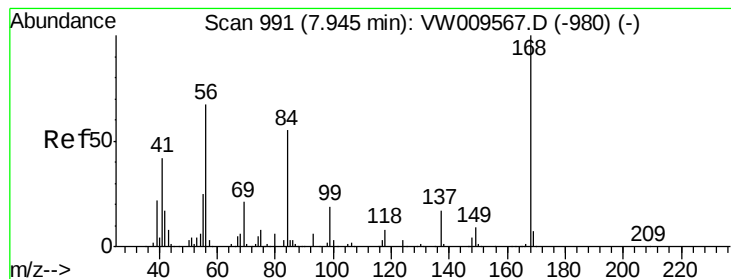
Instrument :
MSVOA_W
ClientSampleId :
VW0329SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion:168 Resp: 274685

Ion Ratio Lower Upper

168 100

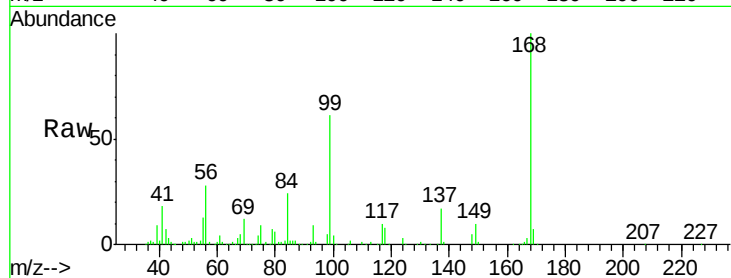
99 60.8 45.4 68.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

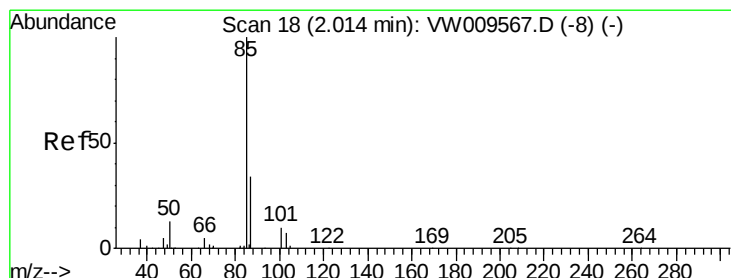
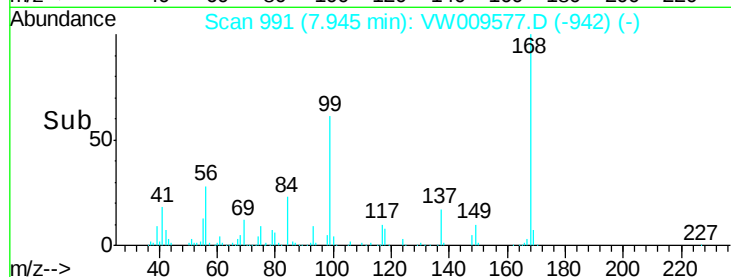
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.350 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009577.D

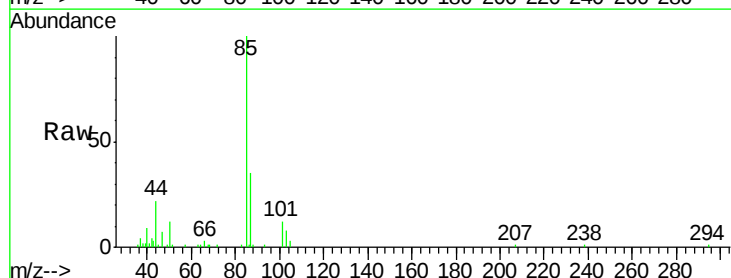
Acq: 29 Mar 2019 17:47

Tgt Ion: 85 Resp: 33464

Ion Ratio Lower Upper

85 100

87 34.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

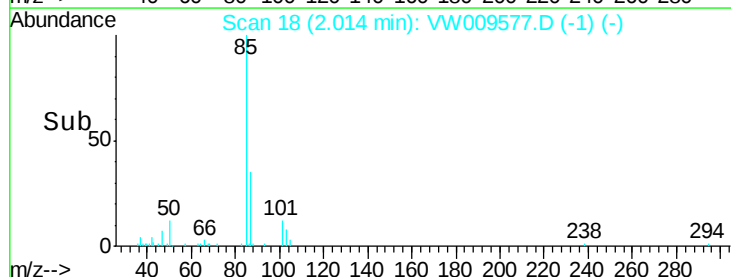
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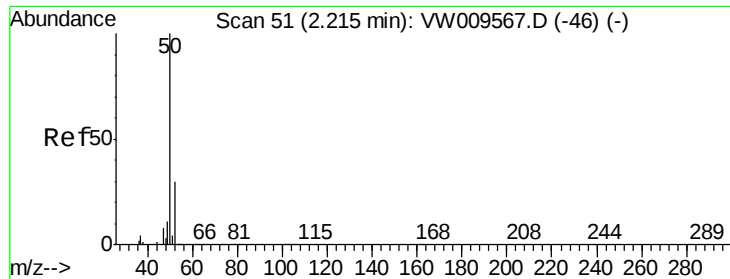
2000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.426 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 50 Resp: 44952

Ion Ratio Lower Upper

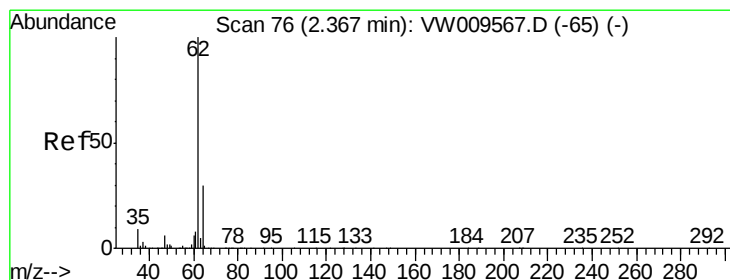
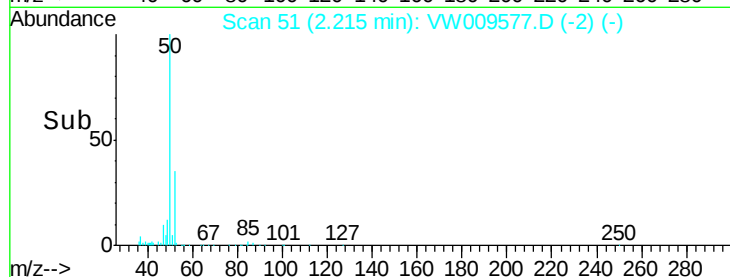
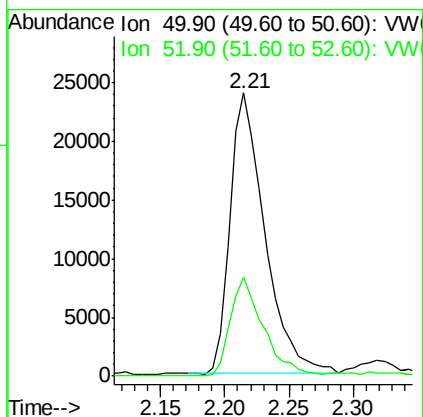
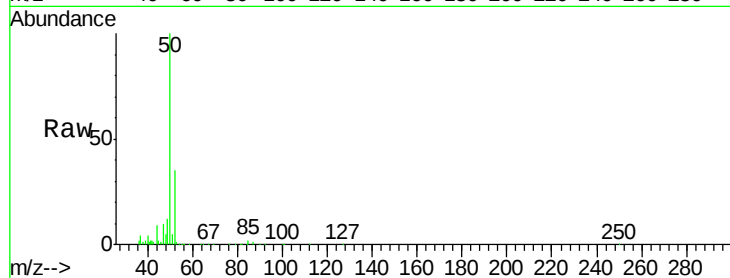
50 100

52 35.1 27.2 40.8

Manual Integrations
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4/1/2019 4:04:59 AM



#4

Vinyl Chloride

Concen: 19.512 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009577.D

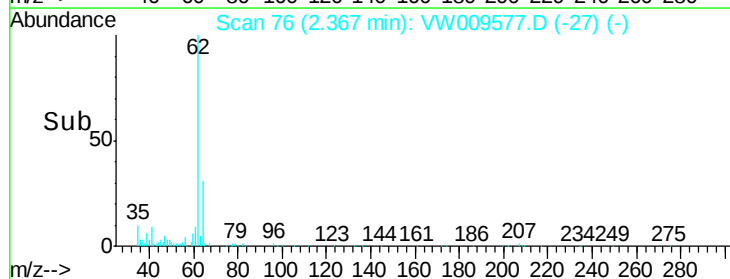
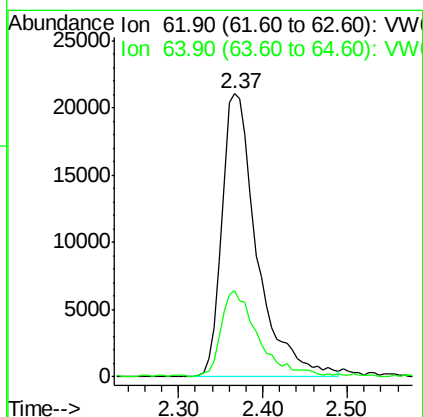
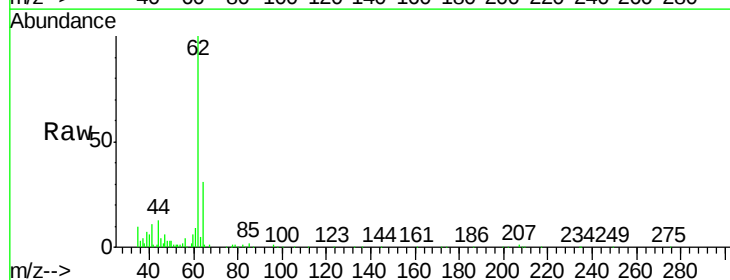
Acq: 29 Mar 2019 17:47

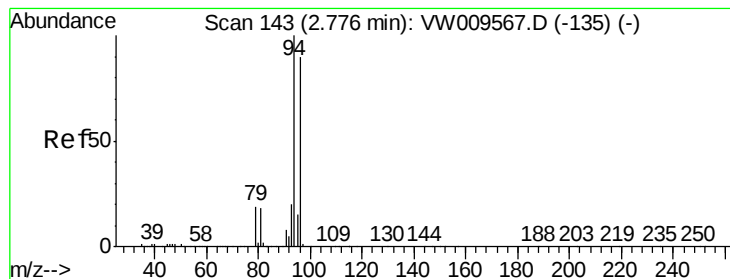
Tgt Ion: 62 Resp: 60301

Ion Ratio Lower Upper

62 100

64 30.7 26.2 39.2





#5

Bromomethane

Concen: 19.769 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tot Ion: 94 Resp: 47135

Ion Ratio Lower Upper

94 100

96 88.4 71.4 107.2

Instrument :

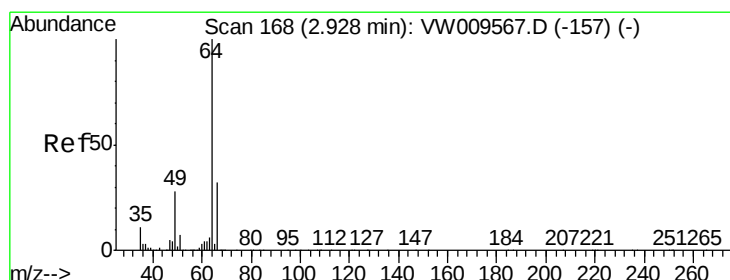
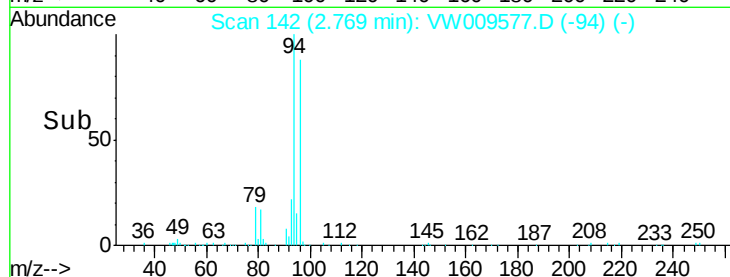
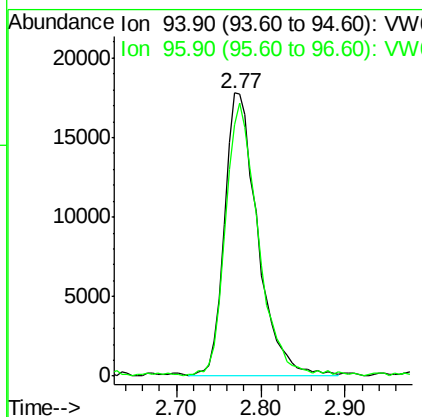
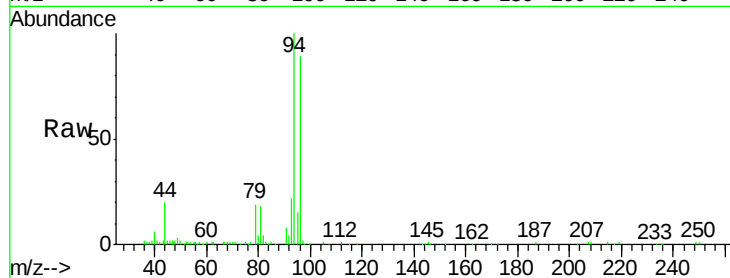
MSVOA_W

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#6

Chloroethane

Concen: 19.784 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009577.D

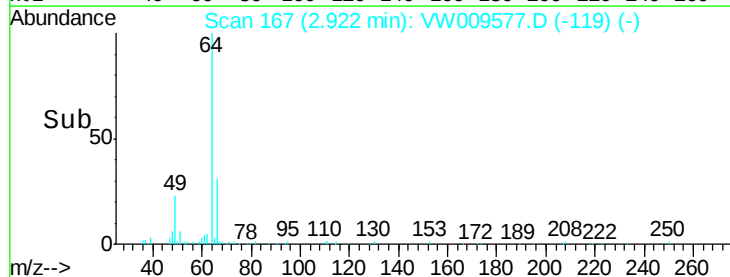
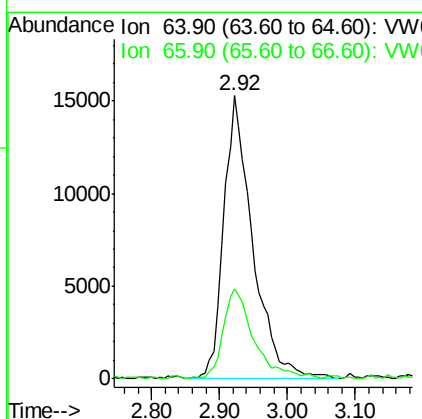
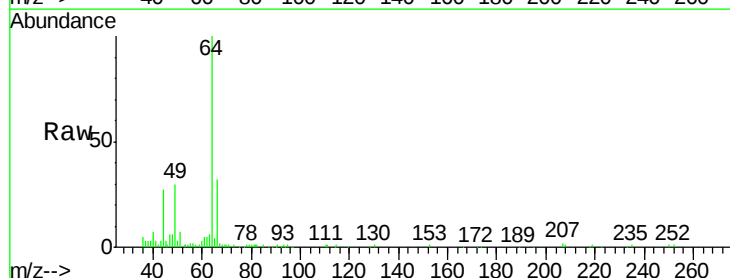
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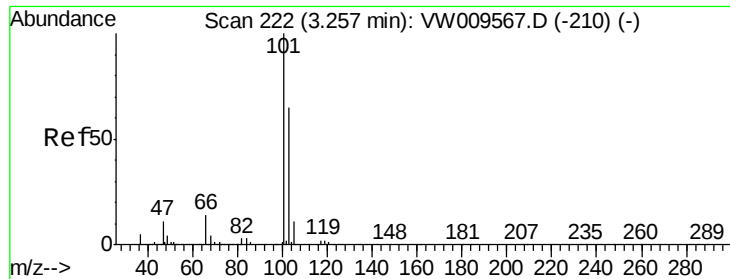
Tgt Ion: 64 Resp: 45279

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2





#7

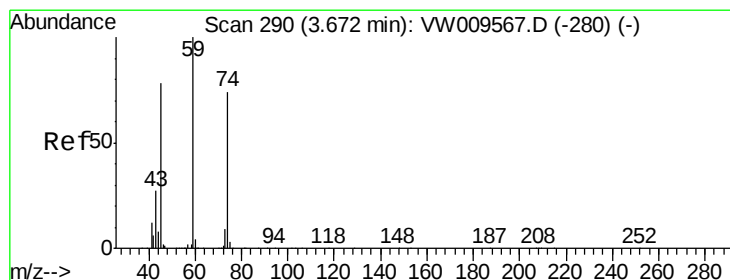
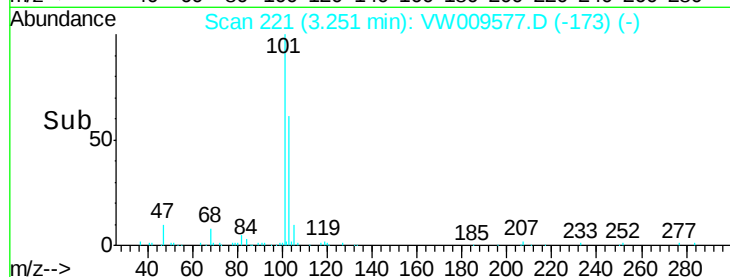
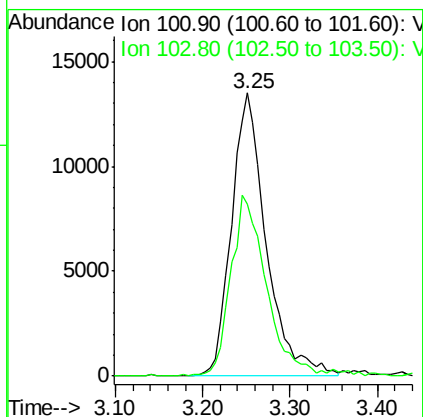
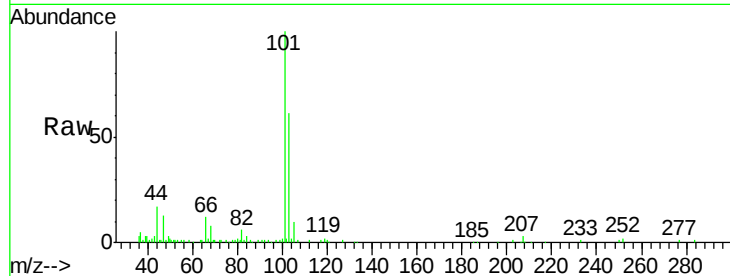
Trichlorofluoromethane
Concen: 17.632 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.5	75.7

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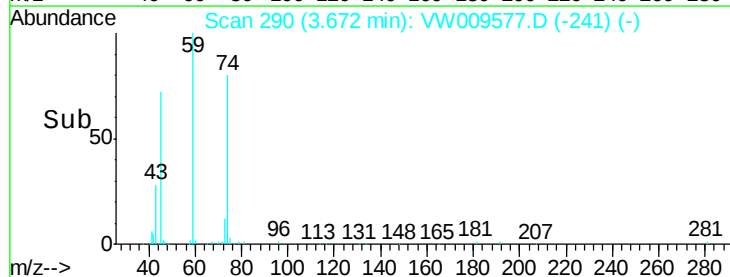
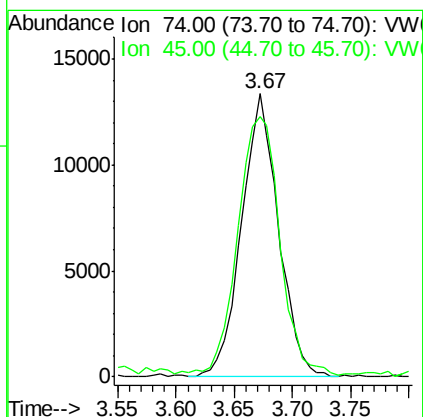
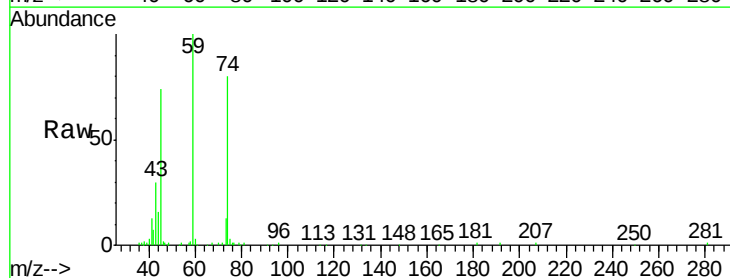
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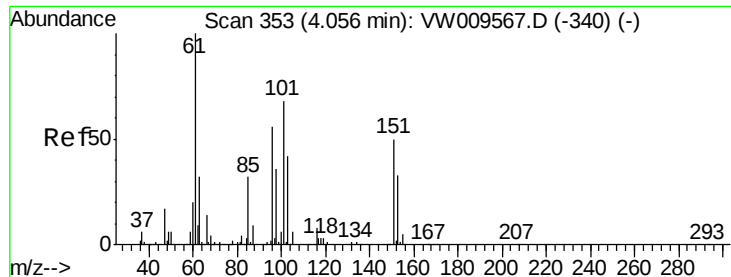


#8

Diethyl Ether
Concen: 20.721 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.161 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

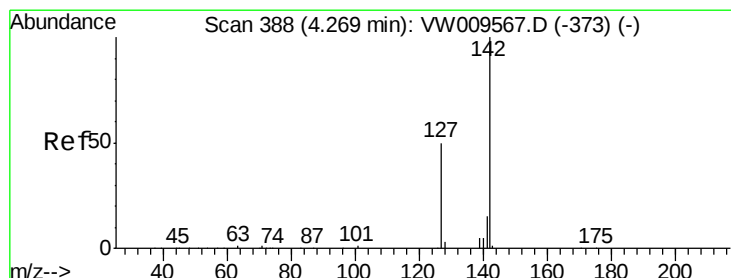
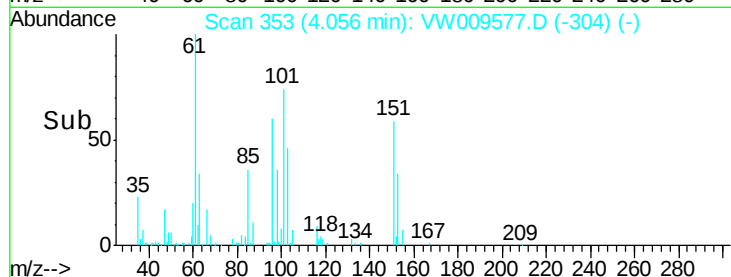
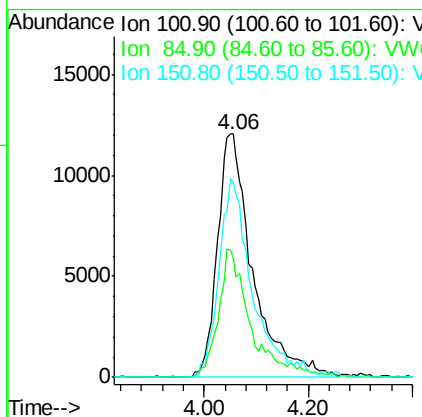
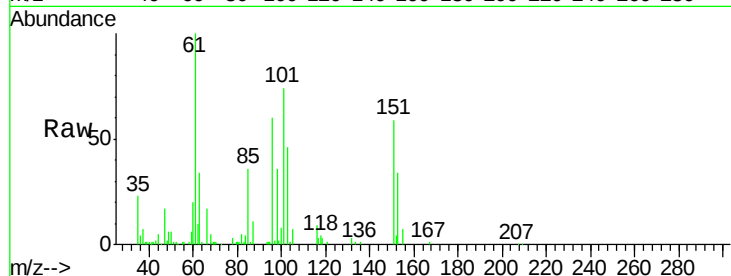
ClientSampleId :

VW0329SBS01

Tot Ion:	101	Resp:	57119
Ion Ratio	Lower	Upper	
101	100		
85	39.4	35.1	52.7
151	75.4	62.9	94.3

Manual Integrations
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MMDadoda
4/1/2019 4:04:59 AM



#10

Methyl Iodide

Concen: 19.542 ug/l

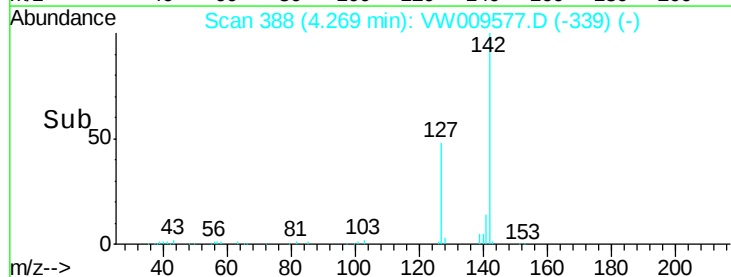
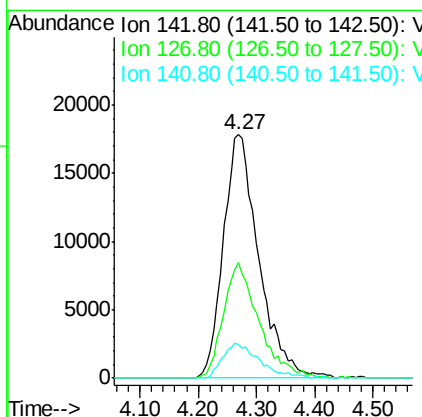
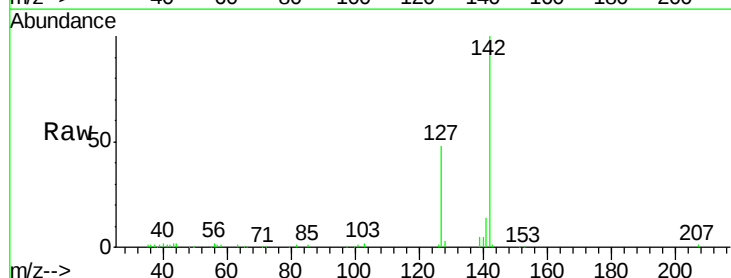
RT: 4.27 min Scan# 388

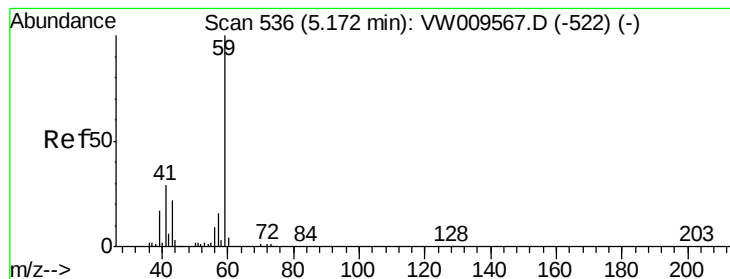
Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tgt Ion:	142	Resp:	75543
Ion Ratio	Lower	Upper	
142	100		
127	47.2	35.9	53.9
141	14.8	11.4	17.2





#11

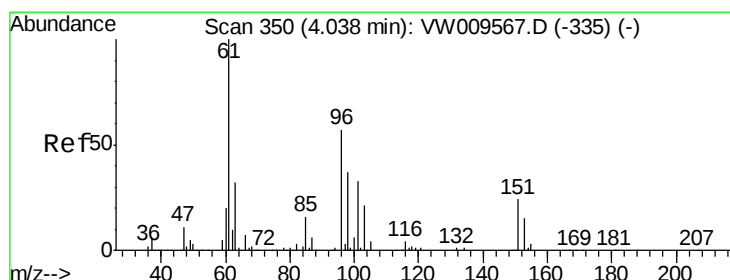
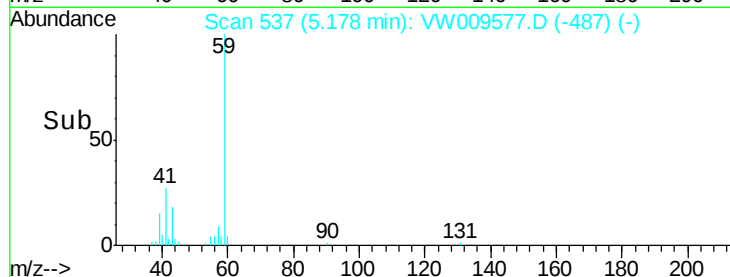
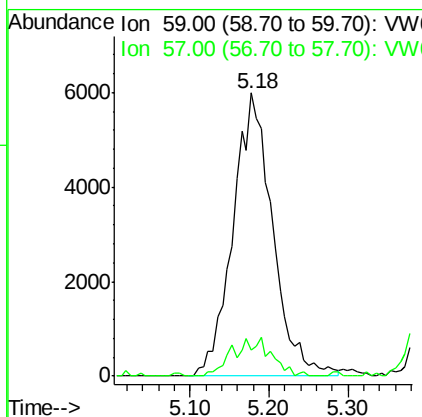
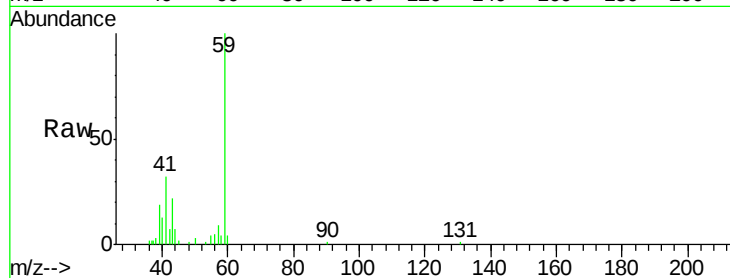
Tert butyl alcohol
 Concen: 115.120 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.4	14.0#

Manual Integrations
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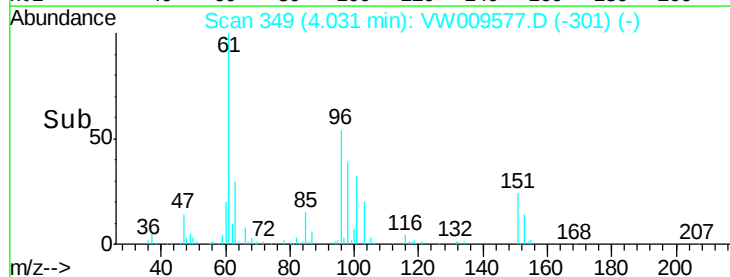
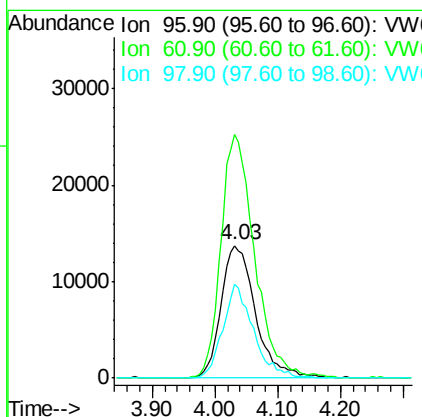
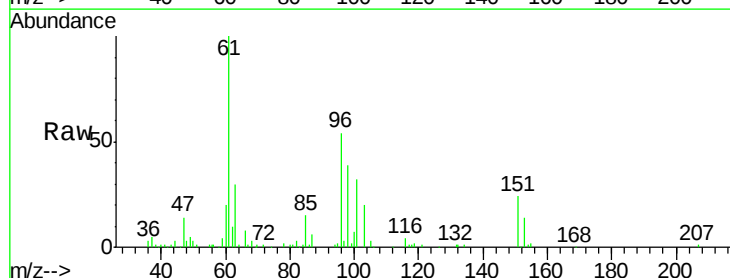
MMDadoda
 4/1/2019 4:04:59 AM

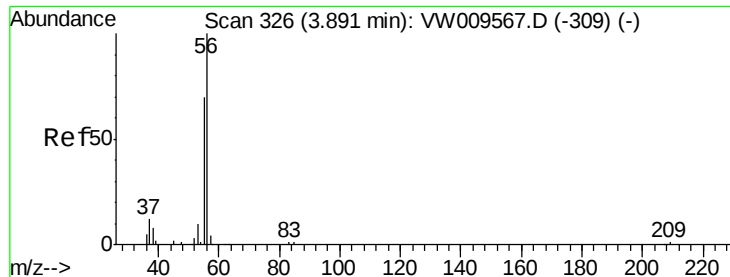


#12

1,1-Dichloroethene
 Concen: 19.740 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.1	138.0	207.0
98	70.9	49.8	74.8





#13

Acrolein

Concen: 99.050 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 56 Resp: 13231

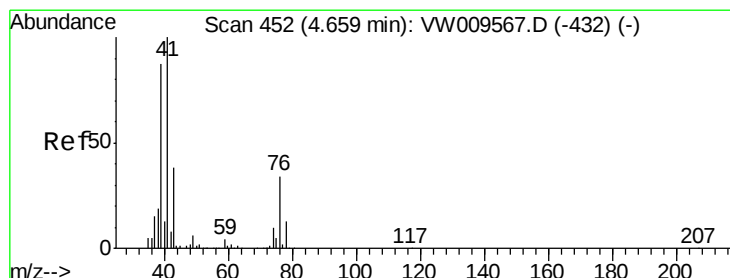
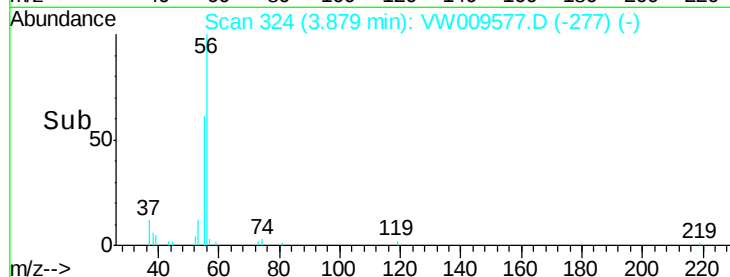
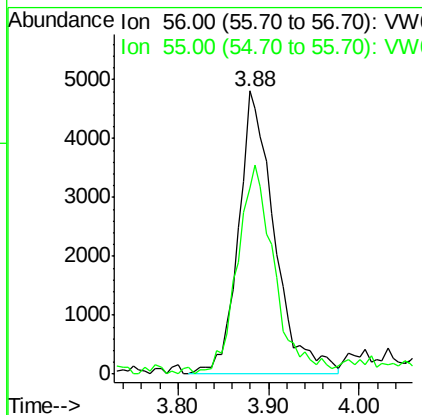
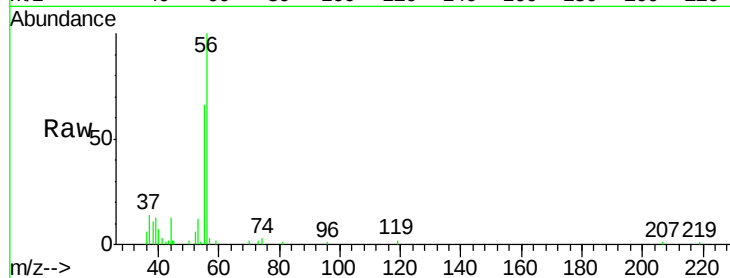
Ion Ratio Lower Upper

56 100

55 76.1 55.2 82.8

Manual Integrations
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MMDadoda
4/1/2019 4:04:59 AM



#14

Allyl chloride

Concen: 17.393 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

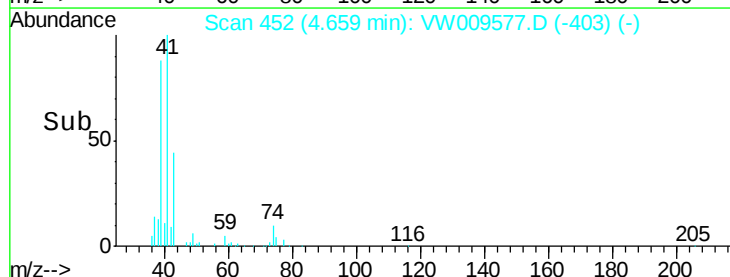
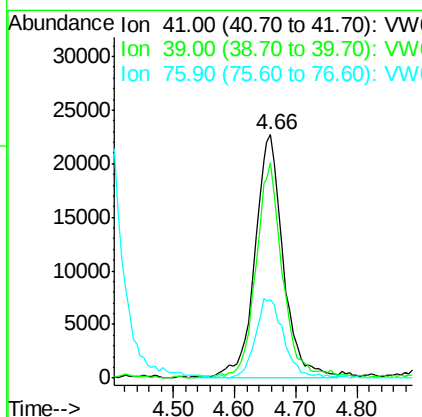
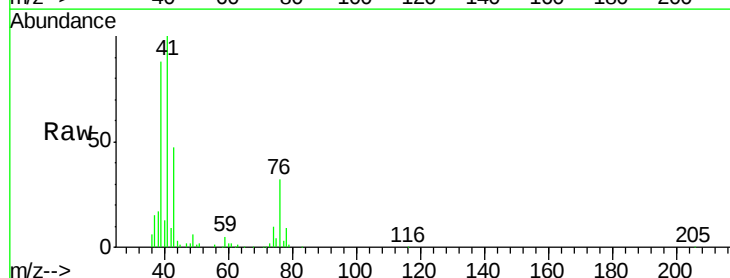
Tgt Ion: 41 Resp: 73755

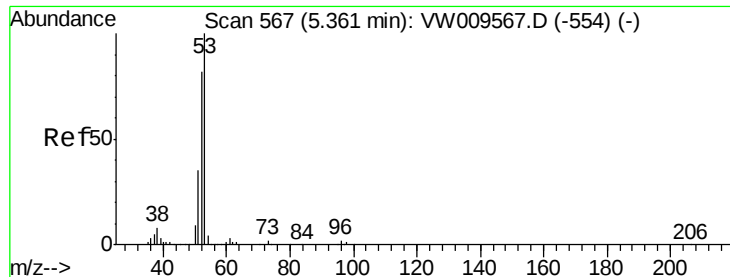
Ion Ratio Lower Upper

41 100

39 81.9 63.8 95.6

76 32.1 27.8 41.6





#15

Acrylonitrile

Concen: 103.886 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

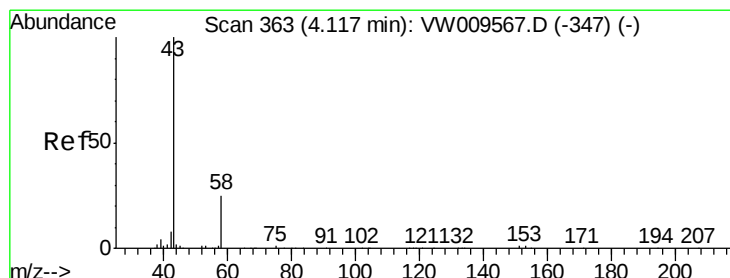
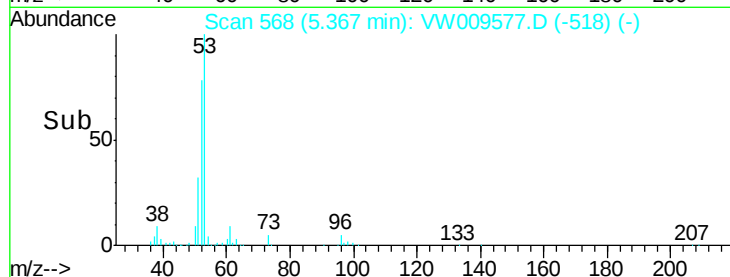
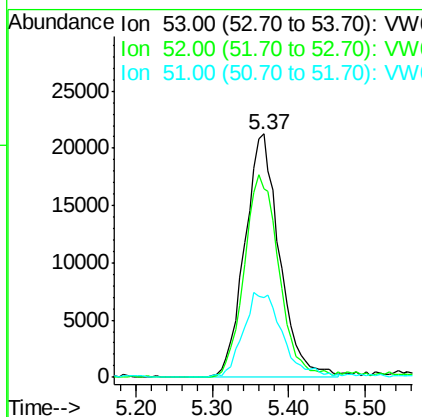
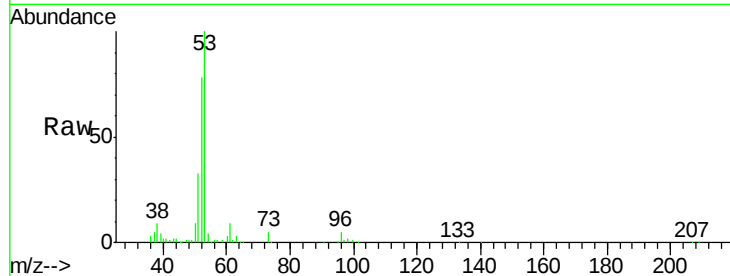
ClientSampleId :

VW0329SBS01

Tot Ion:	53	Resp:	67328
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.6	101.4
51	39.2	30.6	45.8

Manual Integrations
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4/1/2019 4:04:59 AM



#16

Acetone

Concen: 102.506 ug/l

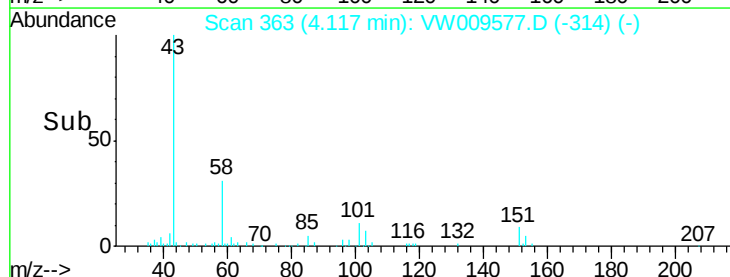
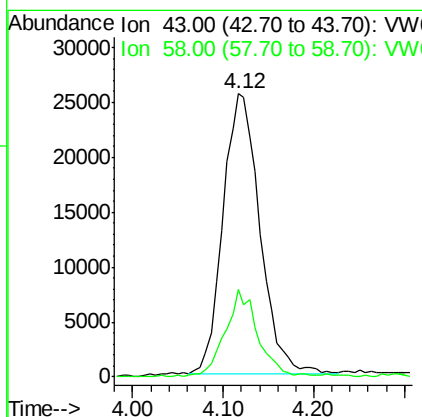
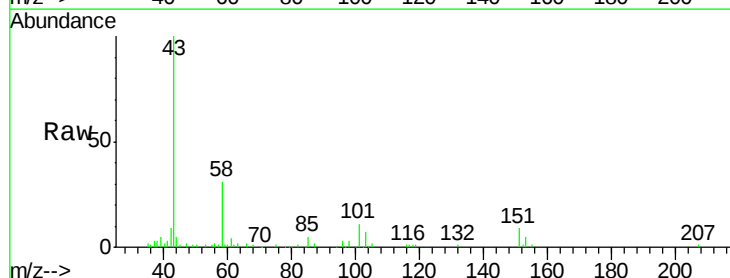
RT: 4.12 min Scan# 363

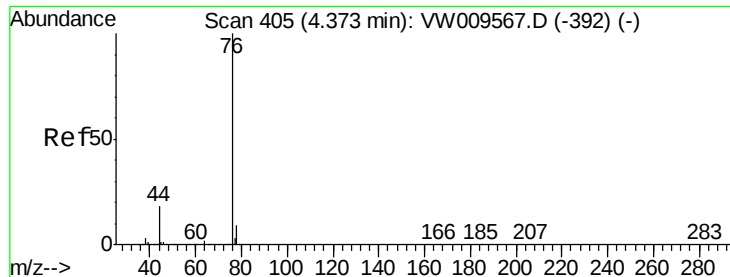
Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tgt Ion:	43	Resp:	72393
Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.6	35.4





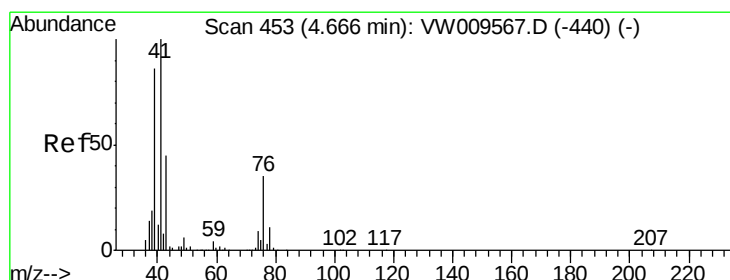
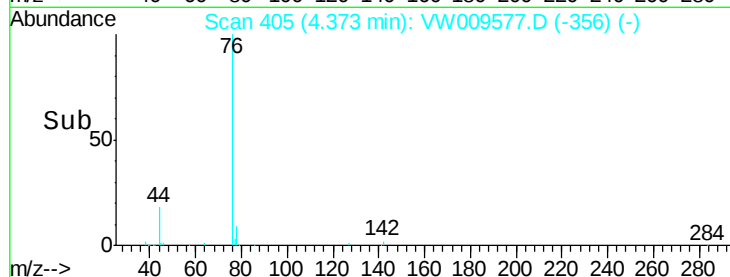
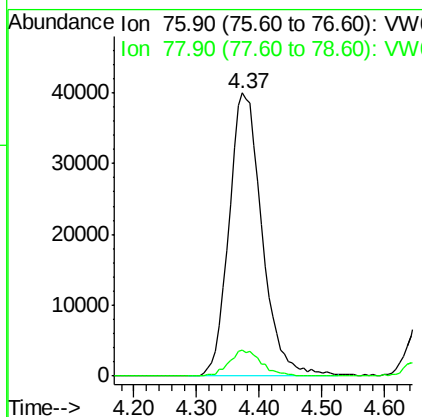
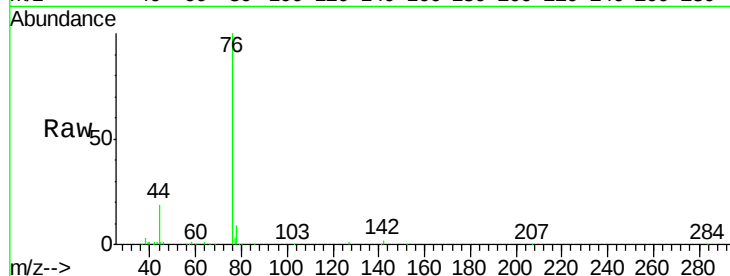
#17
Carbon Disulfide
Concen: 19.326 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	9.8

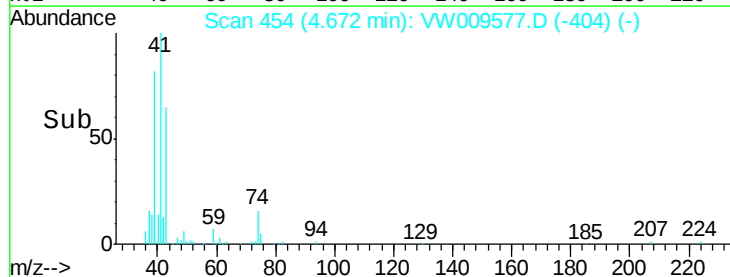
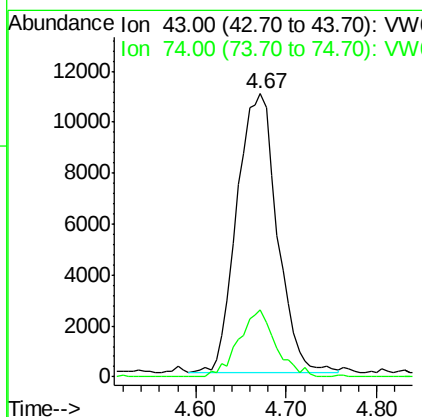
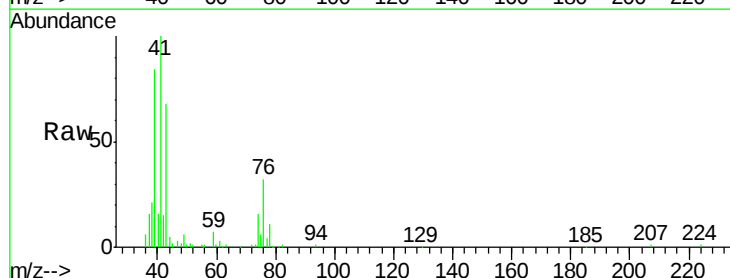
Manual Integrations
APPROVED

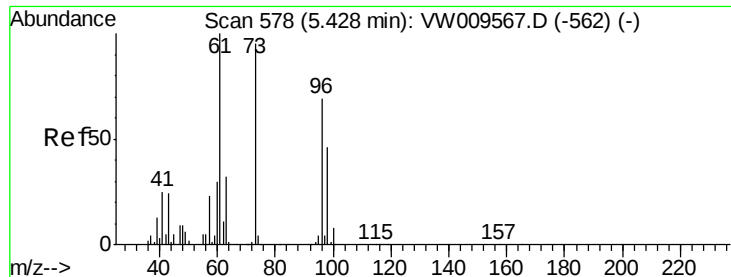
MMDadoda
4/1/2019 4:04:59 AM



#18
Methyl Acetate
Concen: 19.811 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5





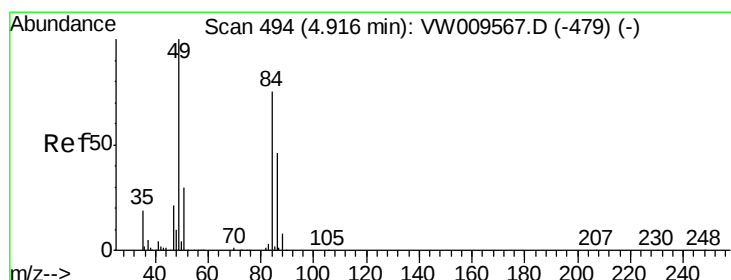
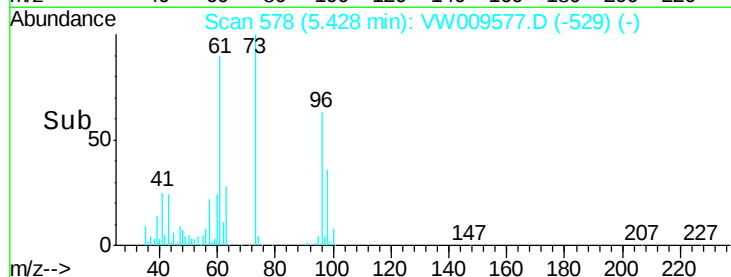
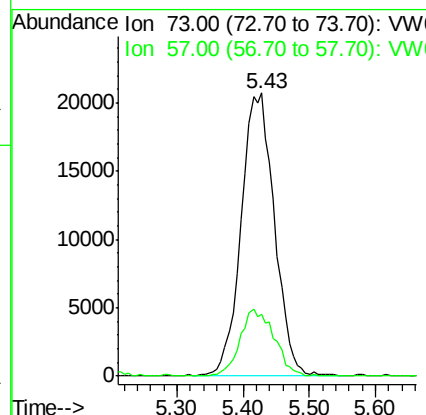
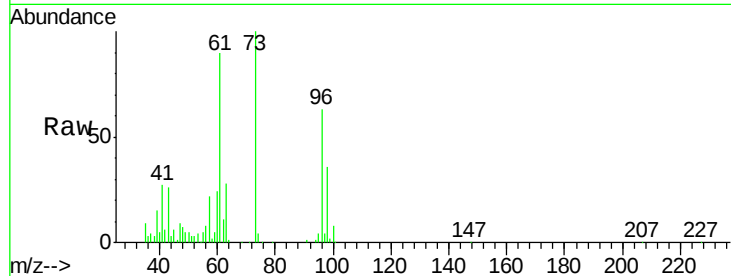
#19
Methvl tert-butvl Ether
Concen: 19.634 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion: 73 Resp: 72399
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.6

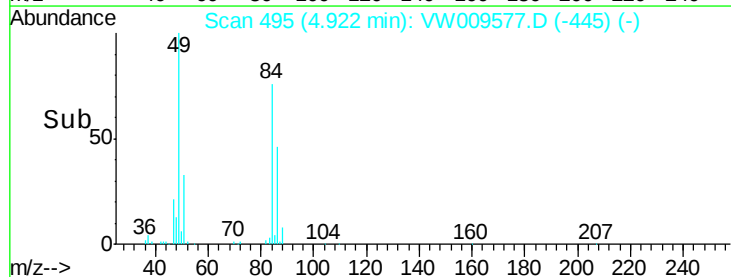
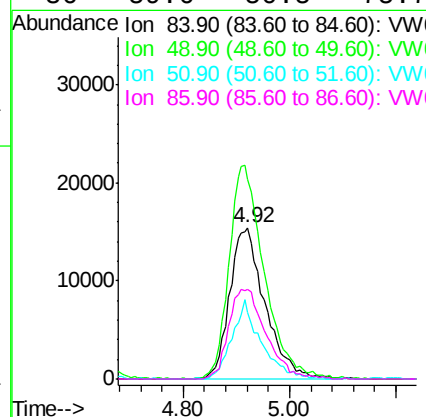
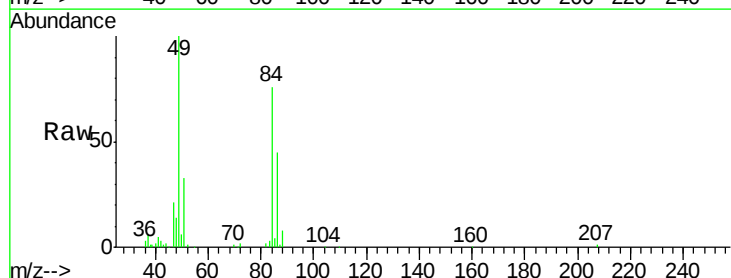
Manual Integrations
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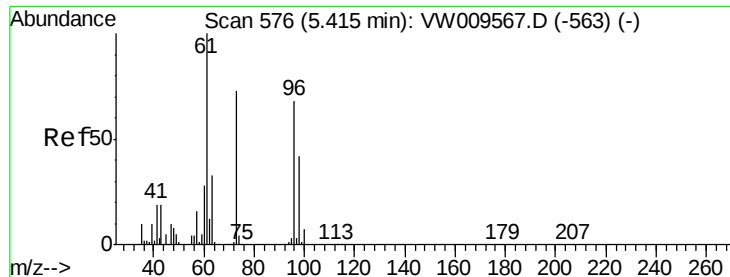
MMDadoda
4/1/2019 4:04:59 AM



#20
Methylene Chloride
Concen: 23.749 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion: 84 Resp: 71443
Ion Ratio Lower Upper
84 100
49 132.3 99.1 148.7
51 44.0 28.7 43.1#
86 59.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.586 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

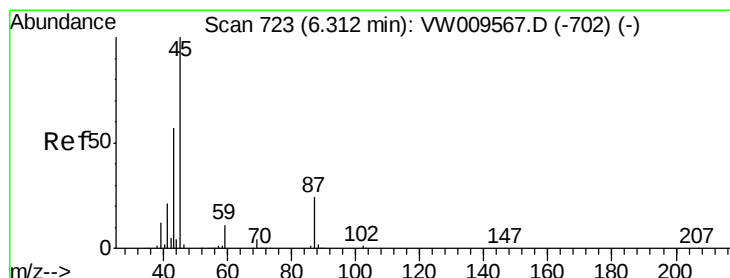
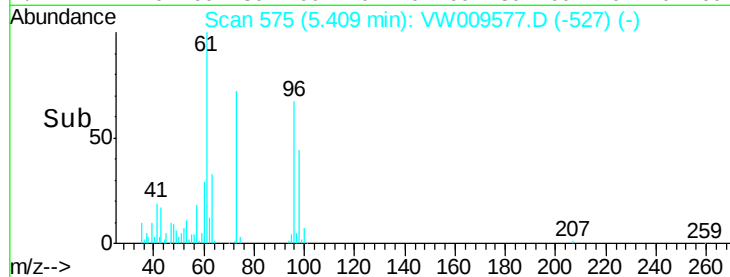
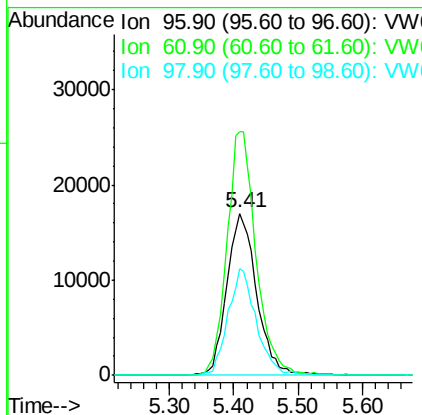
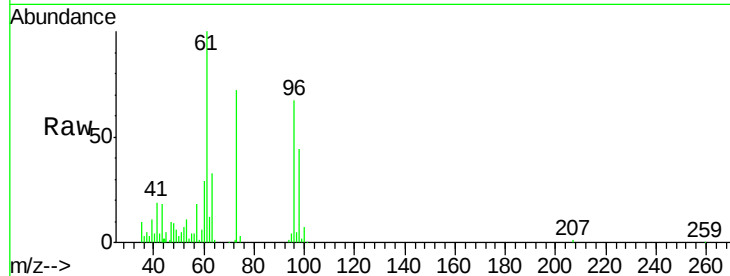
ClientSampleId :

VW0329SBS01

Tot Ion:	96	Resp:	55133
Ion	Ratio	Lower	Upper
96	100		
61	150.1	108.2	162.4
98	66.0	50.9	76.3

Manual Integrations
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MMDadoda
4/1/2019 4:04:59 AM



#22

Diisopropyl ether

Concen: 19.903 ug/l

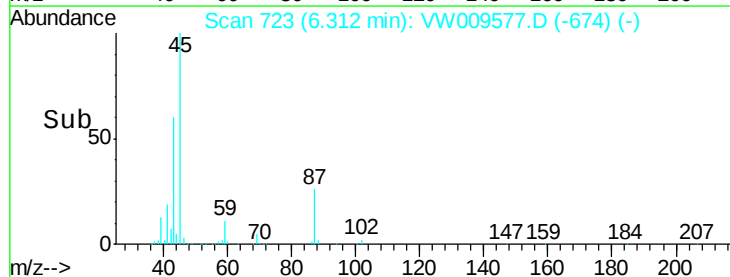
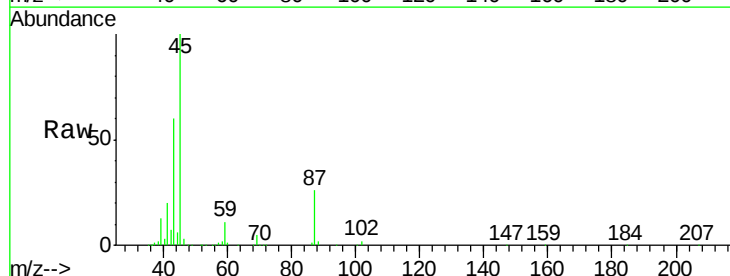
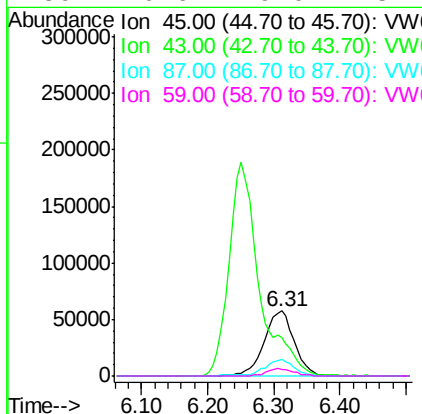
RT: 6.31 min Scan# 723

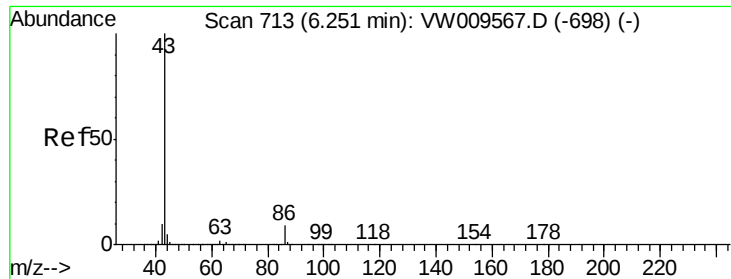
Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tgt Ion:	45	Resp:	182273
Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.9	71.9
87	25.7	20.6	30.8
59	10.6	9.0	13.4





#23

Vinyl Acetate

Concen: 105.692 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tot Ion: 43 Resp: 603845

Ion Ratio Lower Upper

43 100

86 9.2 7.7 11.5

Instrument :

MSVOA_W

ClientSampleId :

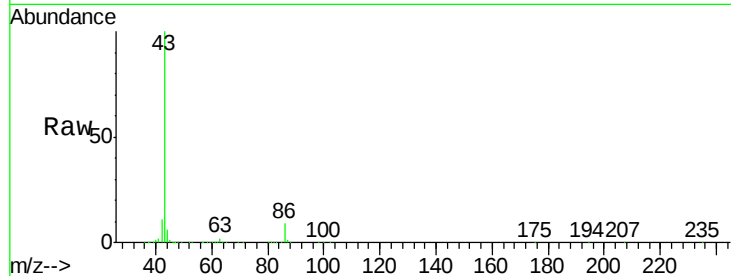
VW0329SBS01

Manual Integrations

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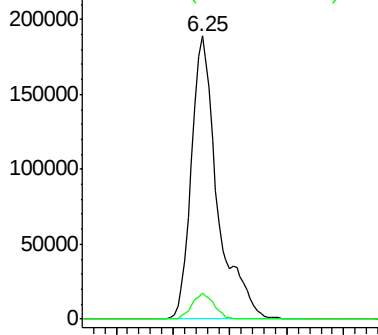
MMDadoda

4/1/2019 4:04:59 AM

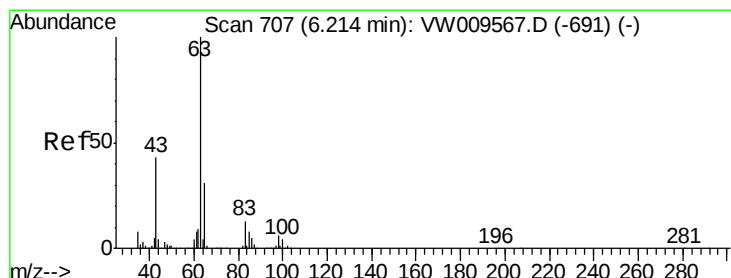
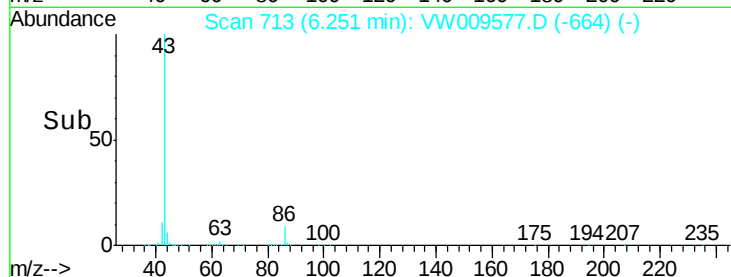


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 19.593 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

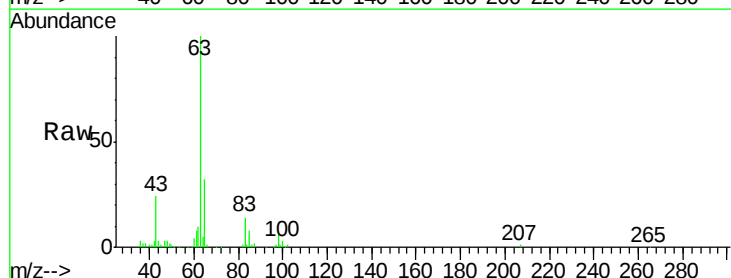
Tgt Ion: 63 Resp: 108001

Ion Ratio Lower Upper

63 100

98 6.3 3.7 11.1

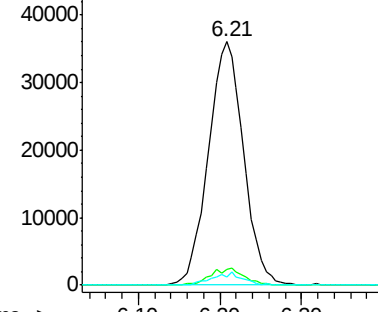
100 3.4 2.4 7.1



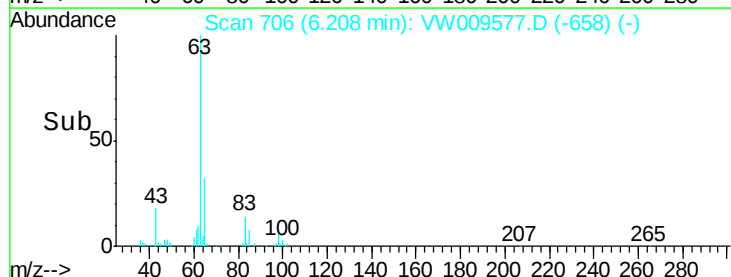
Abundance Ion 62.90 (62.60 to 63.60): VW

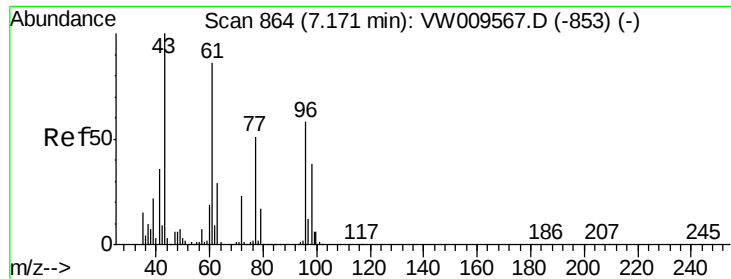
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





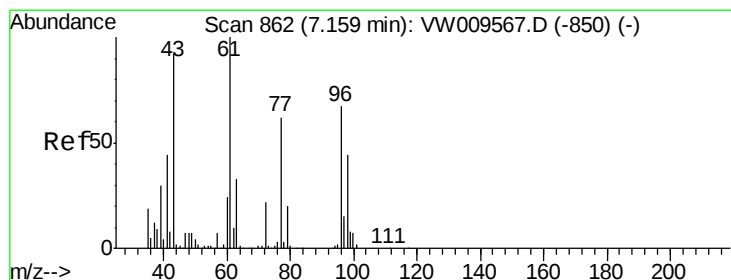
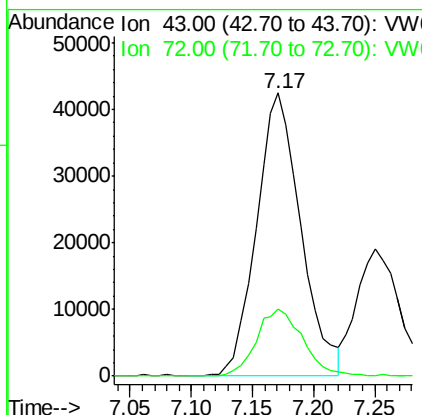
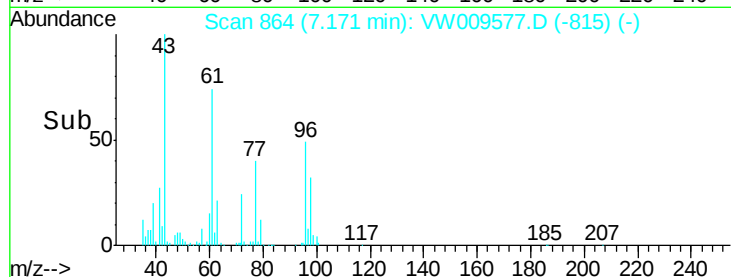
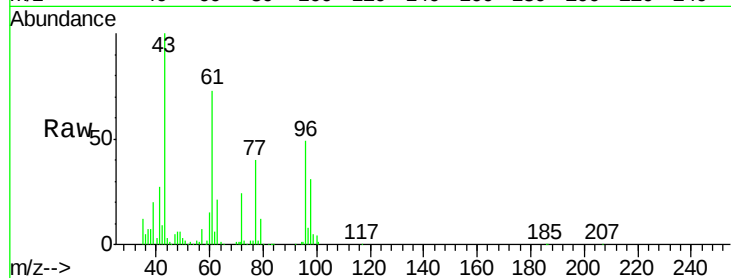
#25
2-Butanone
Concen: 110.004 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion: 43 Resp: 107356
Ion Ratio Lower Upper
43 100
72 23.7 20.0 30.0

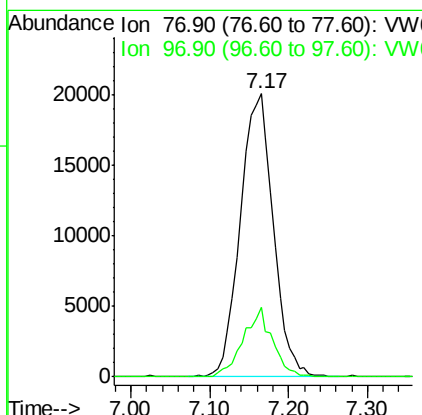
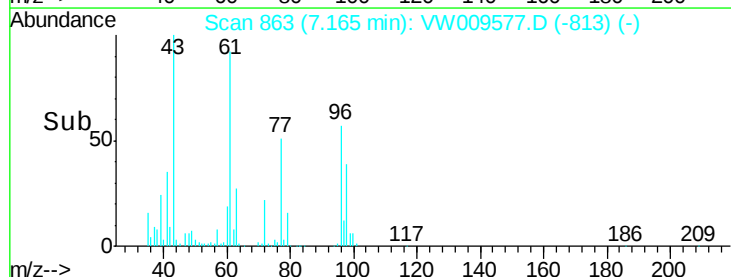
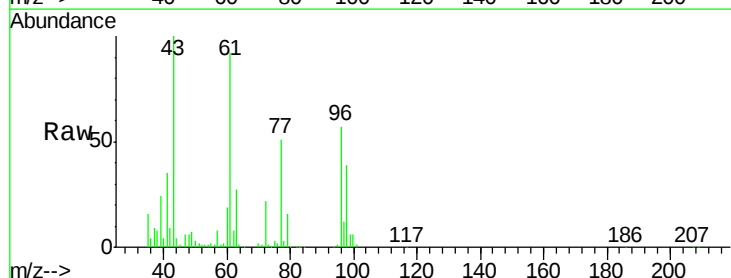
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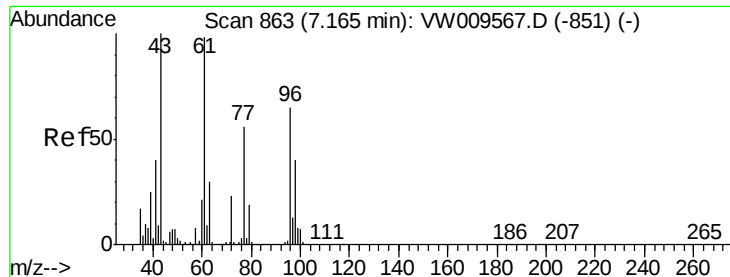
MMDadoda
4/1/2019 4:04:59 AM



#26
2,2-Dichloropropane
Concen: 18.583 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion: 77 Resp: 58563
Ion Ratio Lower Upper
77 100
97 21.8 11.6 34.7





#27

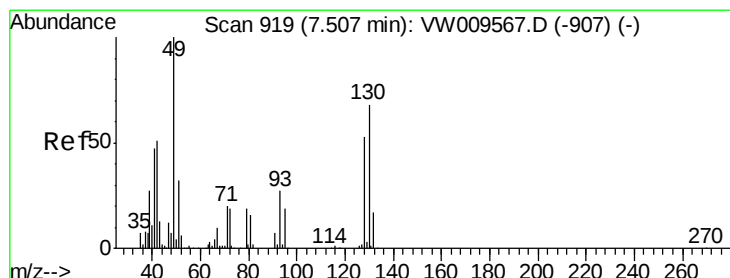
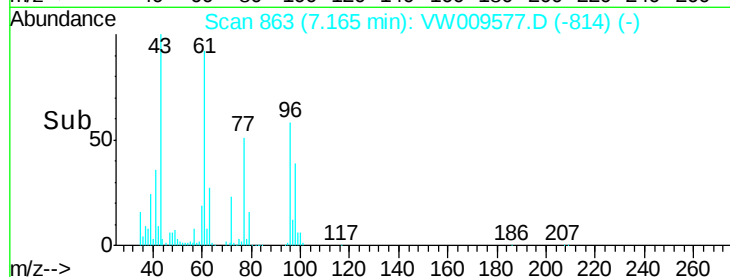
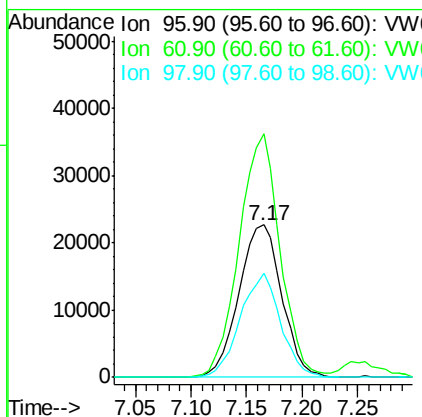
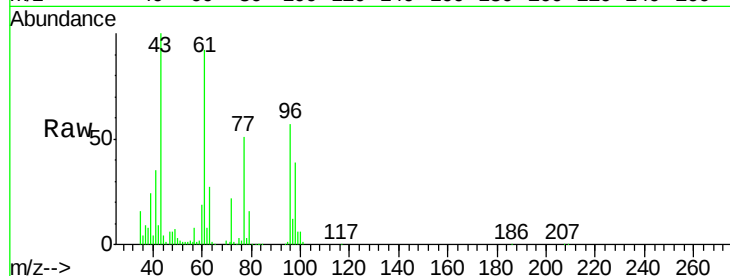
cis-1,2-Dichloroethene
Concen: 19.781 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	289.8
98	64.2	0.0	130.8

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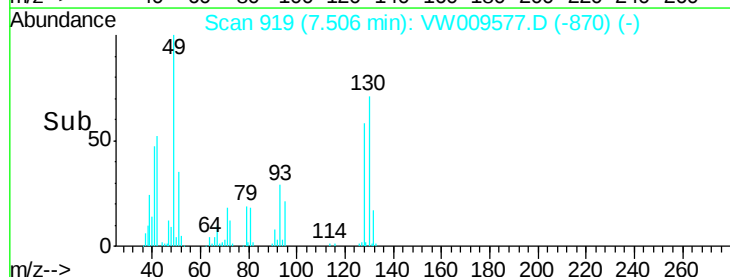
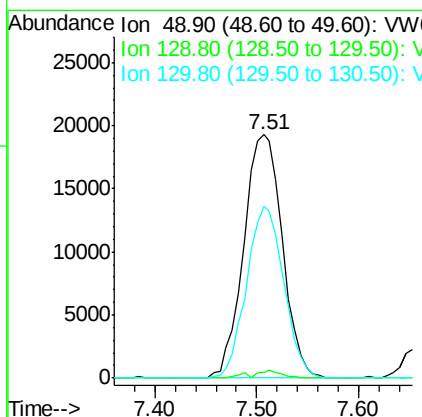
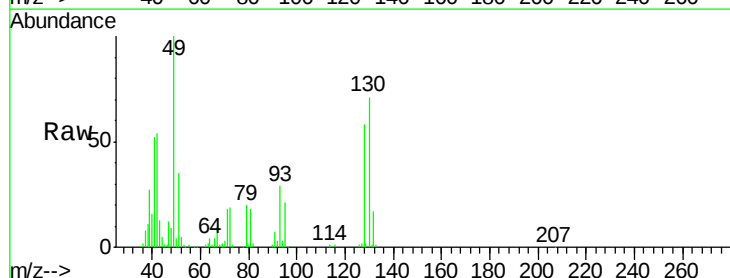
MMDadoda
4/1/2019 4:04:59 AM

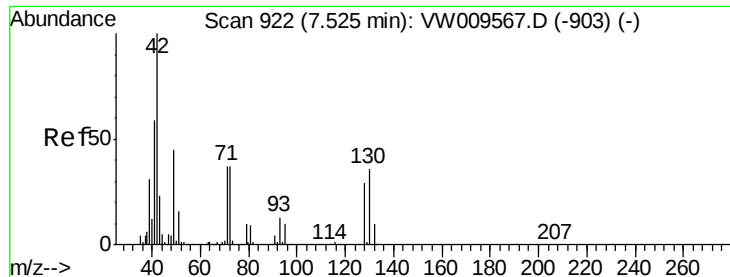


#28

Bromochloromethane
Concen: 21.240 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.4#
130	68.0	58.6	88.0





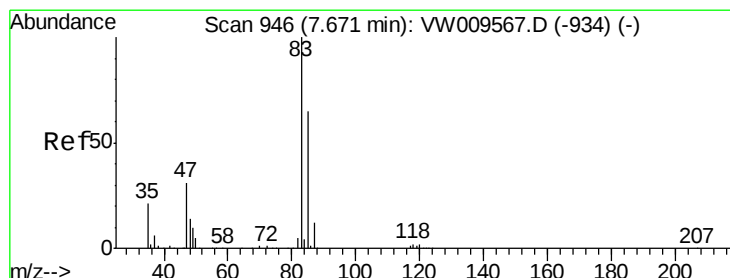
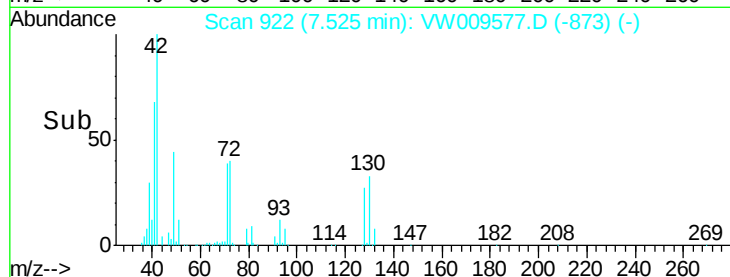
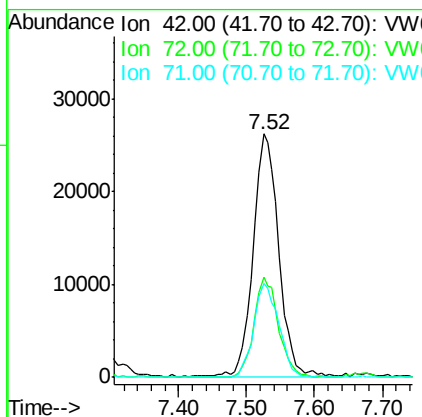
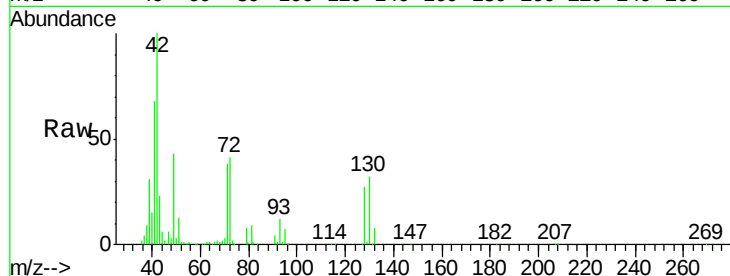
#29
Tetrahydrofuran
Concen: 113.170 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.4	48.6
71	37.8	30.1	45.1

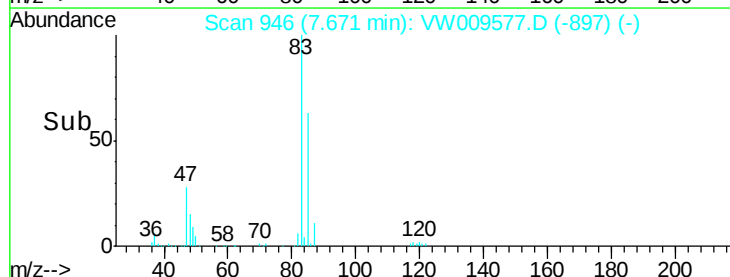
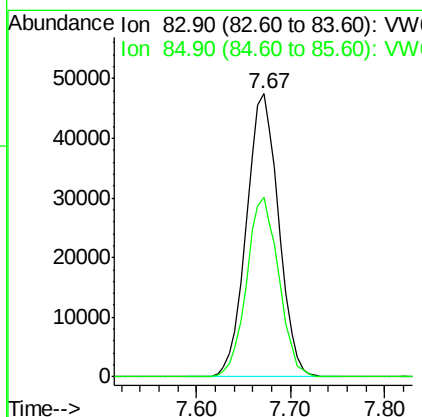
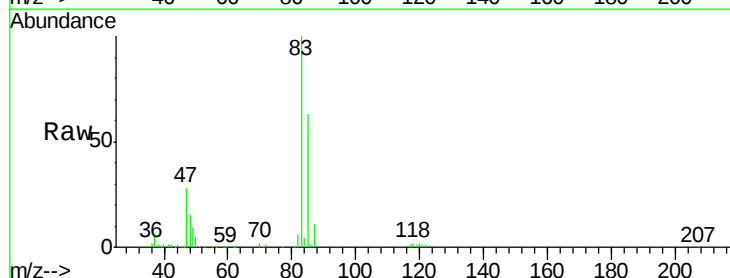
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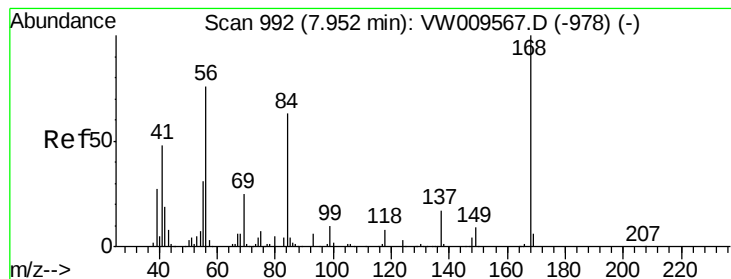
MMDadoda
4/1/2019 4:04:59 AM



#30
Chloroform
Concen: 19.972 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.6





#31

Cyclohexane

Concen: 18.671 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 56 Resp: 96485

Ion Ratio Lower Upper

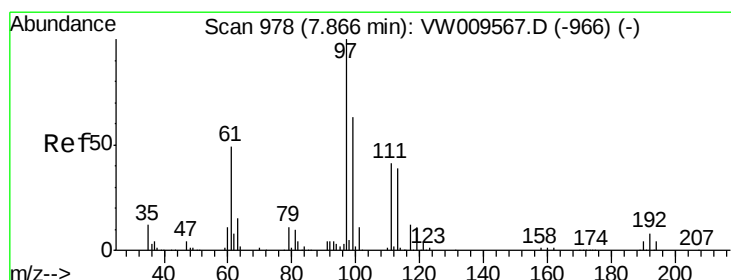
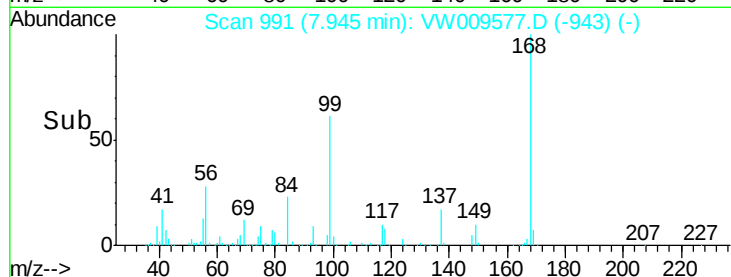
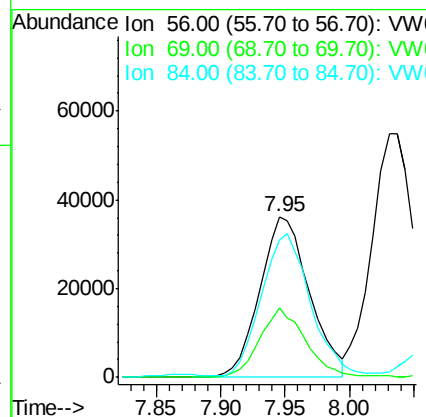
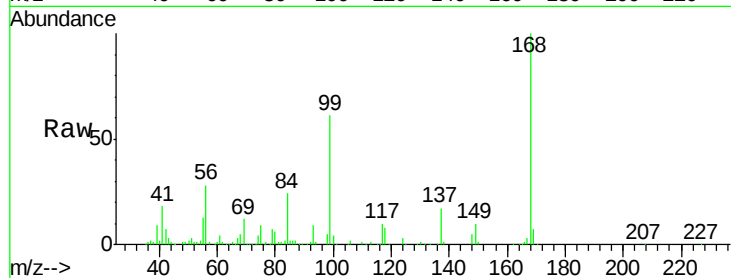
56 100

69 43.1 26.1 39.1#

84 83.5 68.6 103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.786 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

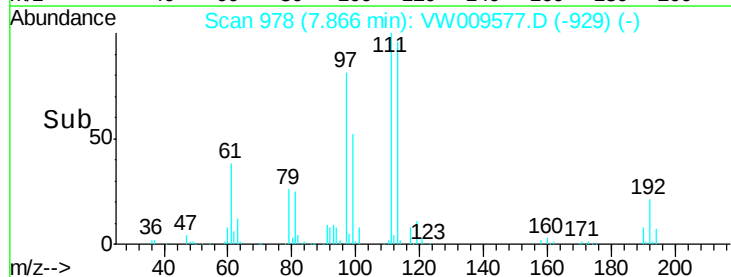
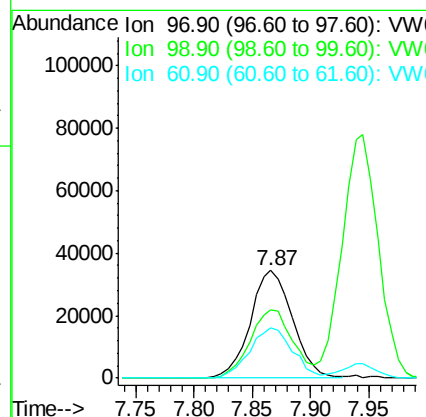
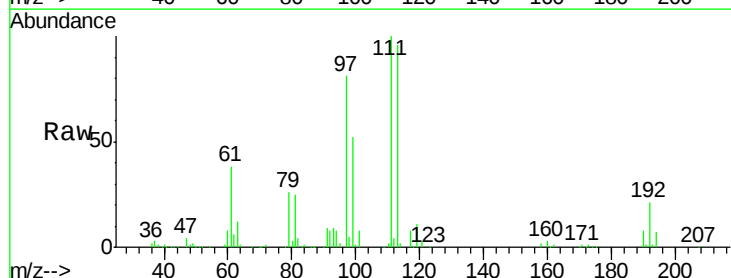
Tgt Ion: 97 Resp: 86826

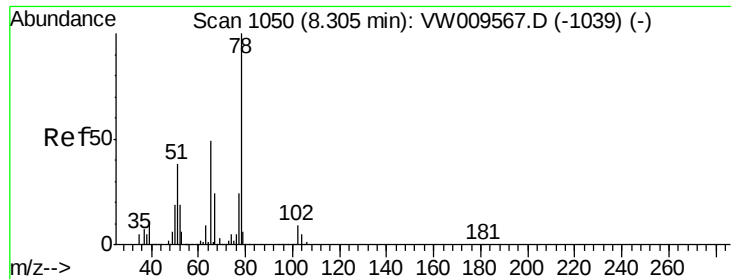
Ion Ratio Lower Upper

97 100

99 64.4 51.9 77.9

61 47.7 36.8 55.2





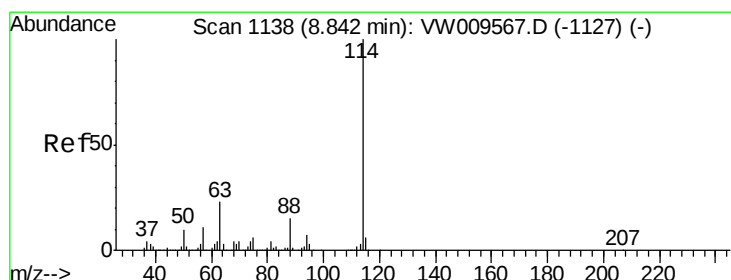
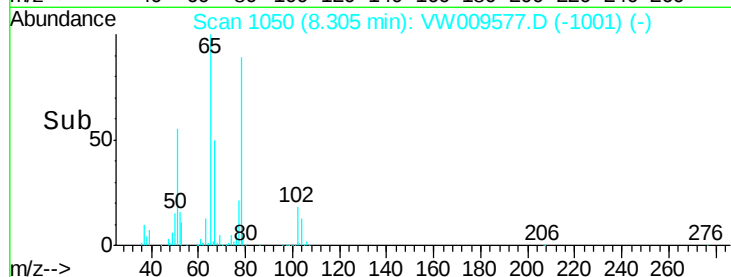
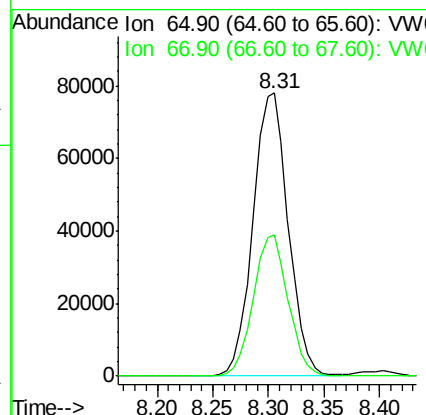
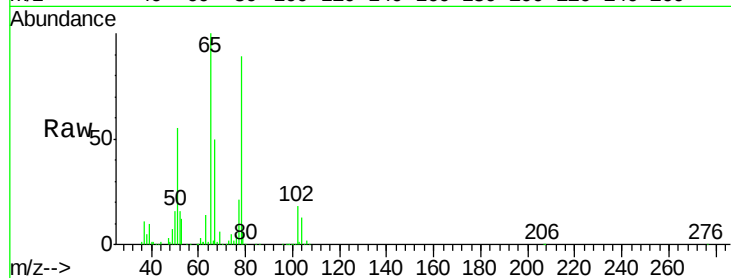
#33
 1,2-Dichloroethane-d4
 Concen: 54.811 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.5	0.0	102.4	

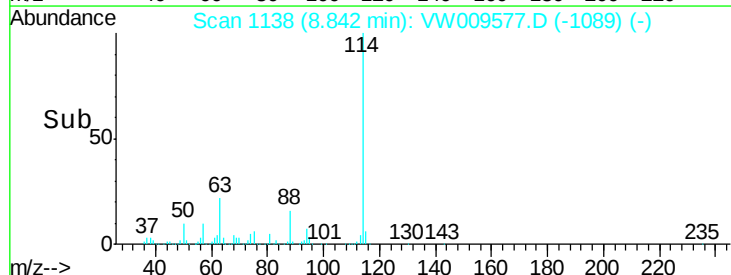
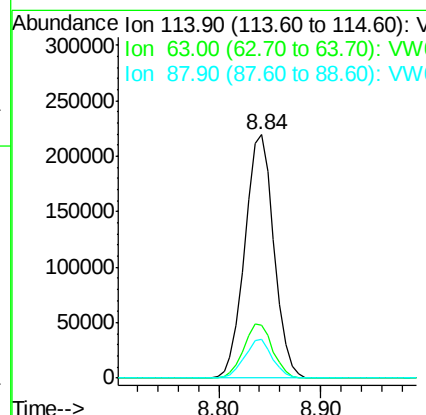
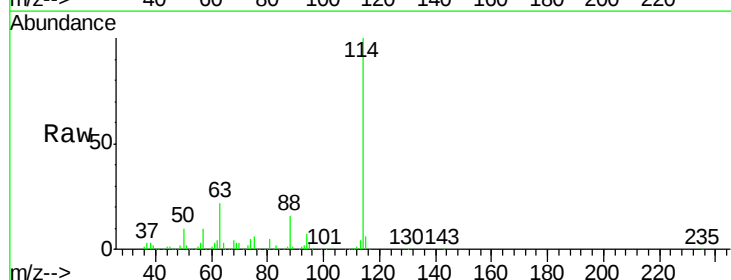
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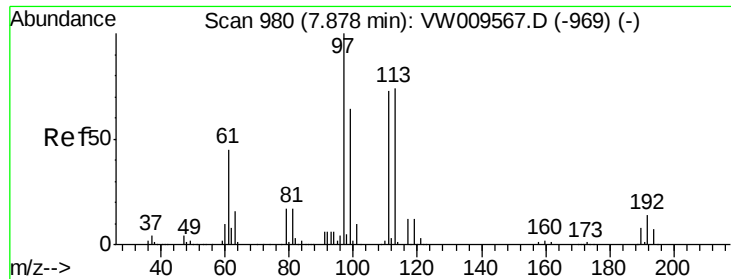
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 4/1/2019 4:04:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	42.2	
88	15.7	0.0	30.8	





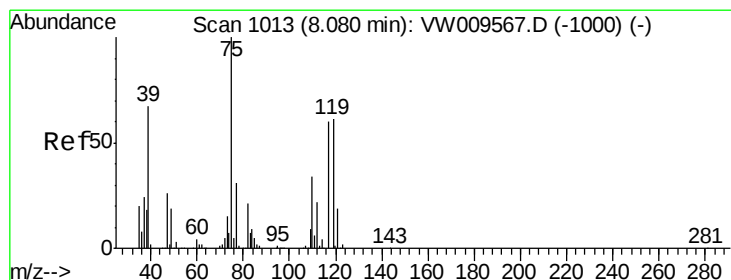
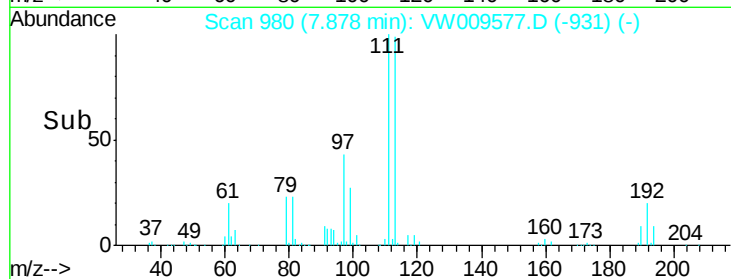
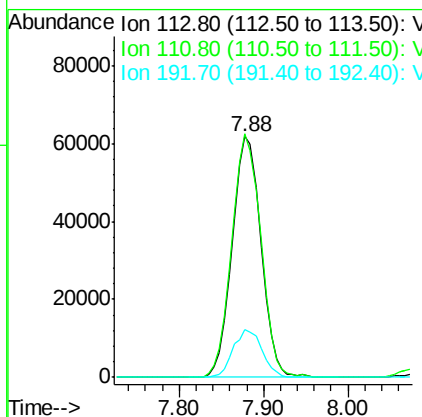
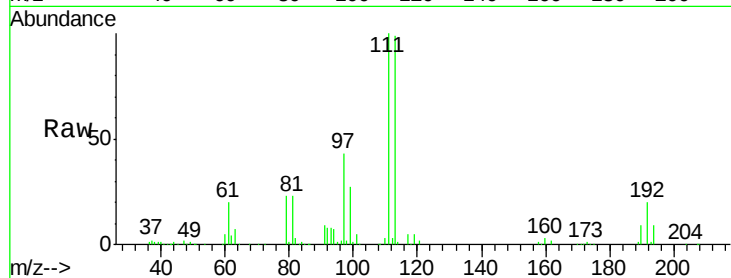
#35
Dibromofluoromethane
Concen: 52.594 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	82.6	124.0	
192	20.0	16.4	24.6	

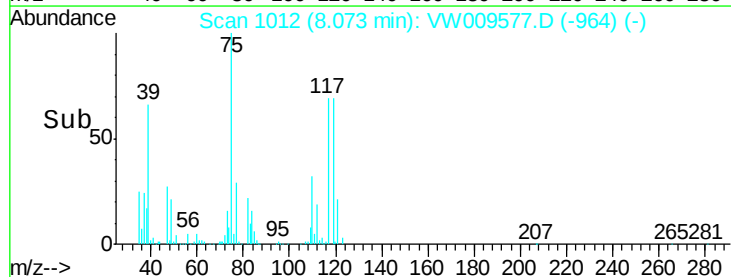
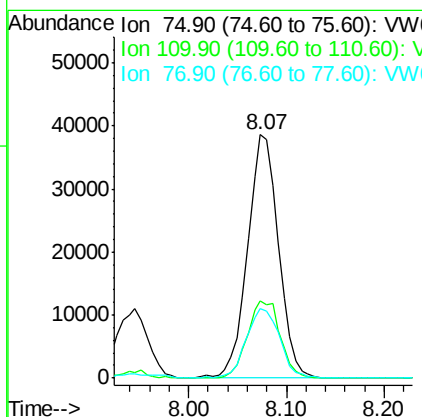
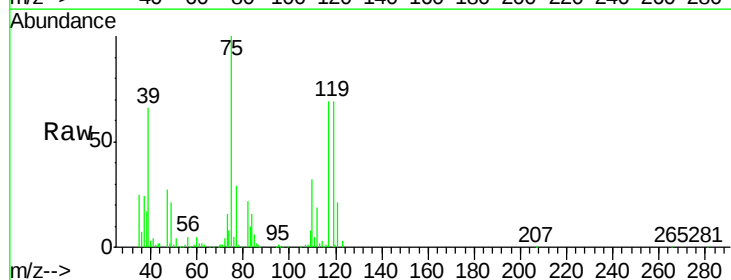
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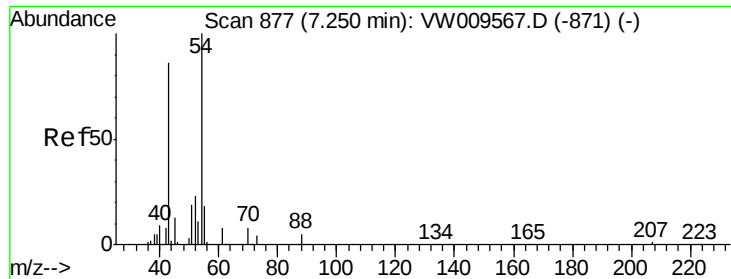
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#36
1,1-Dichloropropene
Concen: 18.913 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.8	16.8	50.4	
77	31.1	24.6	36.8	





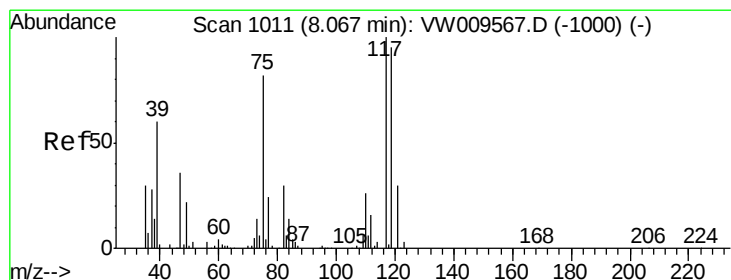
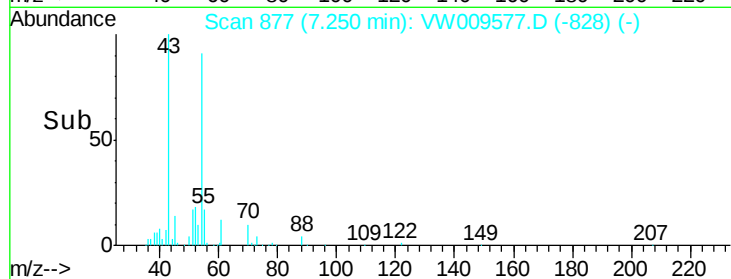
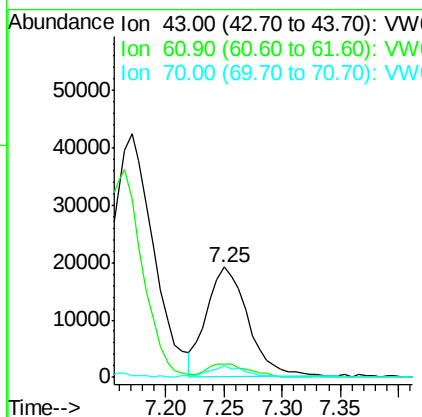
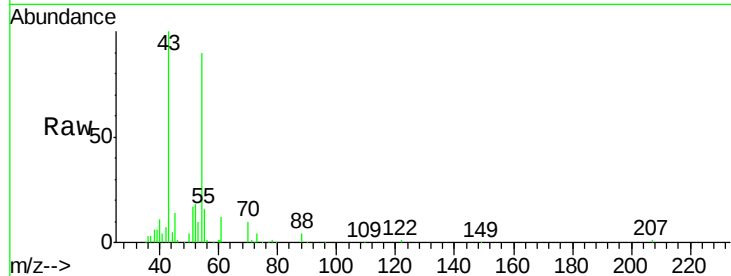
#37
Ethyl Acetate
Concen: 22.193 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.0	15.0
70	9.4	7.3	10.9

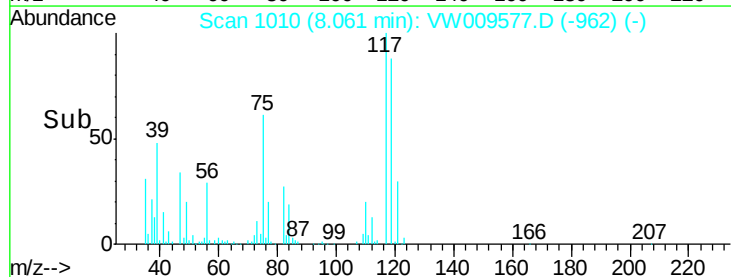
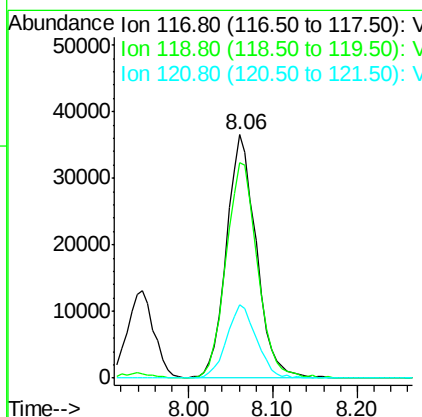
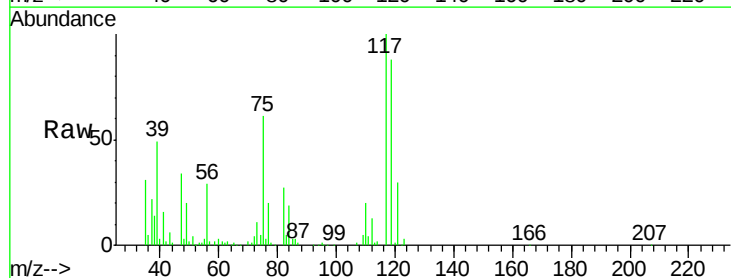
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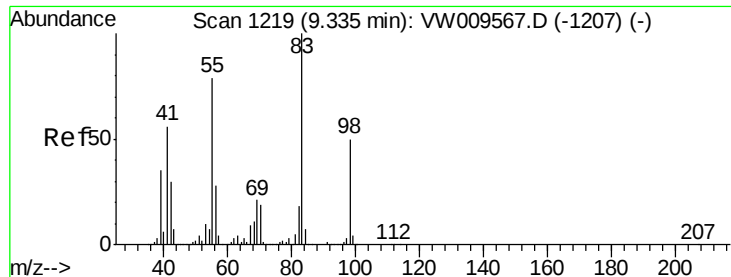
MMDadoda
4/1/2019 4:04:59 AM



#38
Carbon Tetrachloride
Concen: 19.180 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	75.4	113.0
121	30.1	24.9	37.3





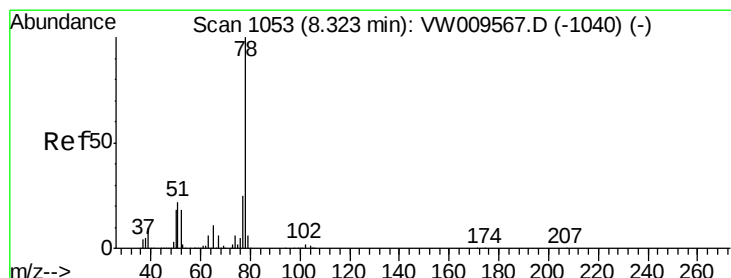
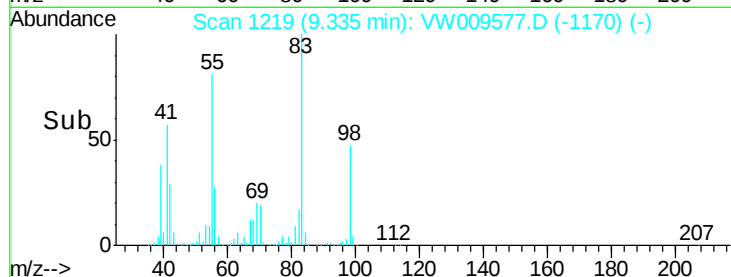
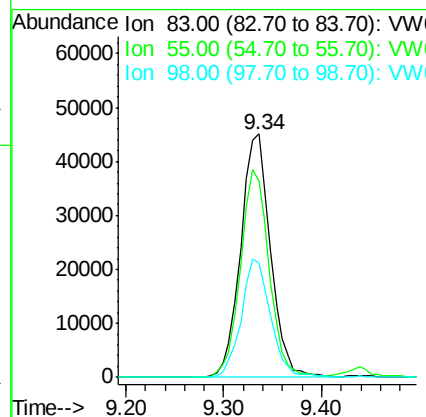
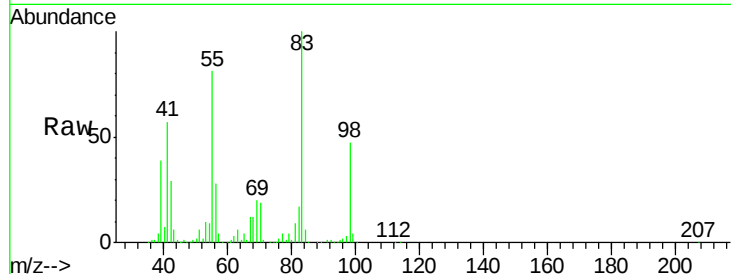
#39
Methvlcvclohexane
Concen: 18.731 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	61.1	91.7
98	46.9	39.0	58.4

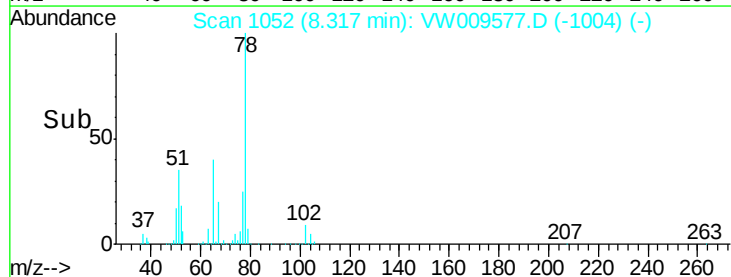
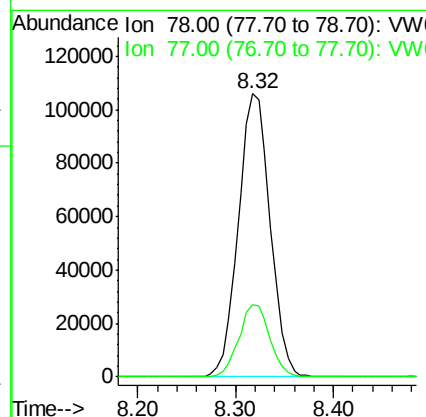
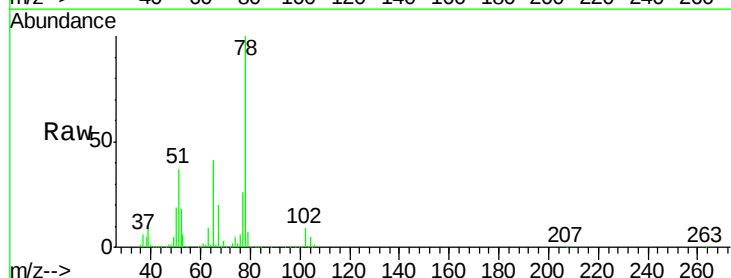
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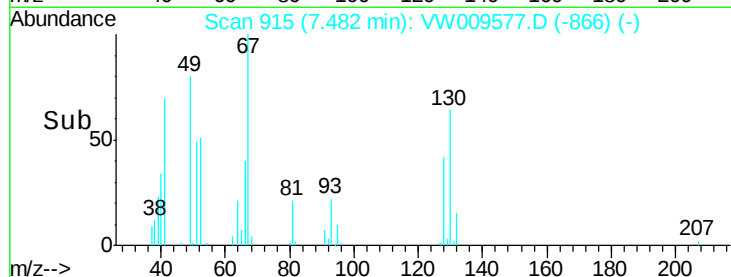
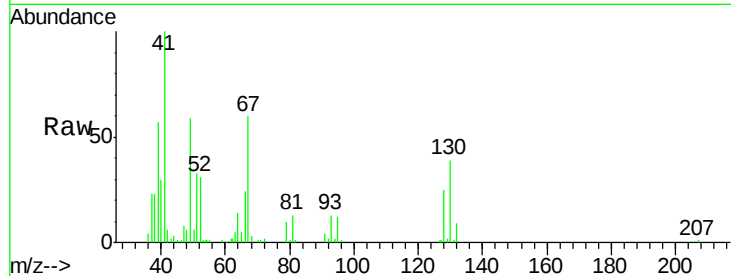
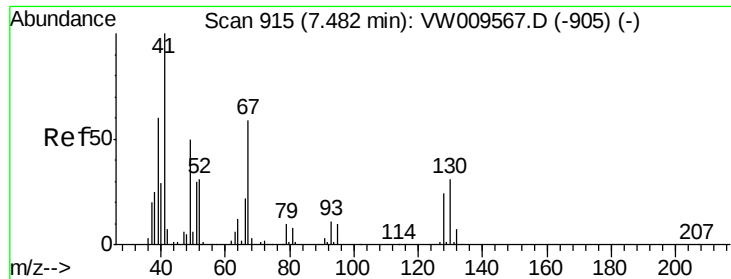
MMDadoda
4/1/2019 4:04:59 AM



#40
Benzene
Concen: 19.639 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.8	29.6





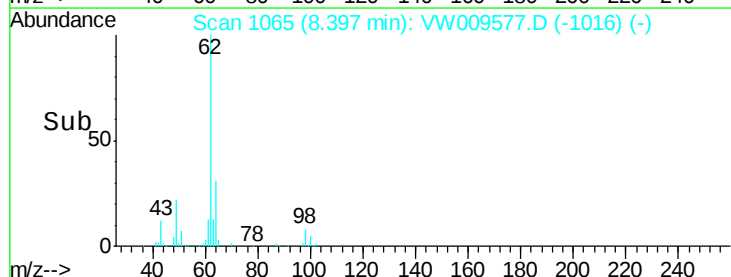
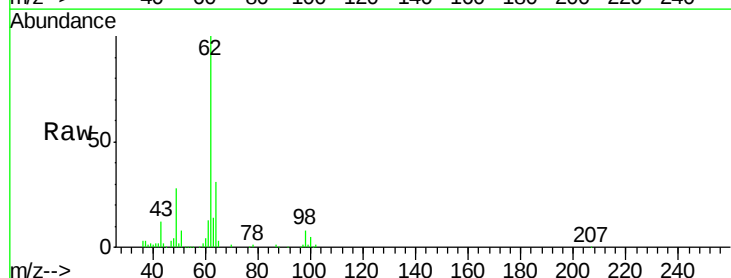
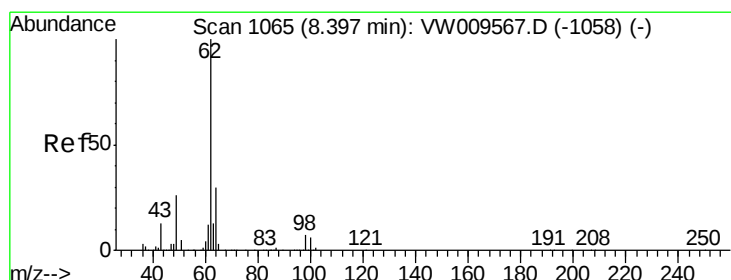
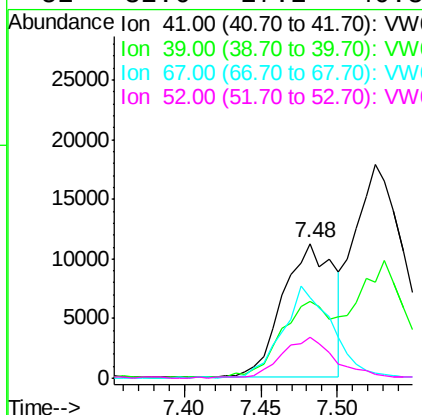
#41
Methacrylonitrile
Concen: 21.454 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.1	52.5	78.7#
67	67.1	56.6	84.8
52	32.6	27.2	40.8

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

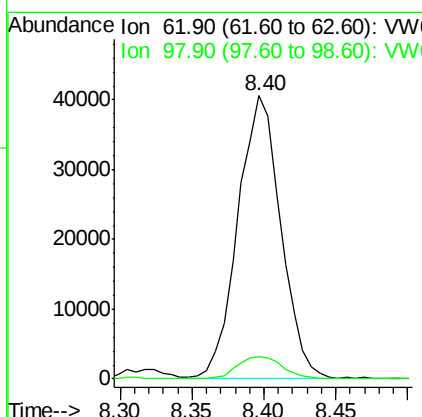
Manual Integrations
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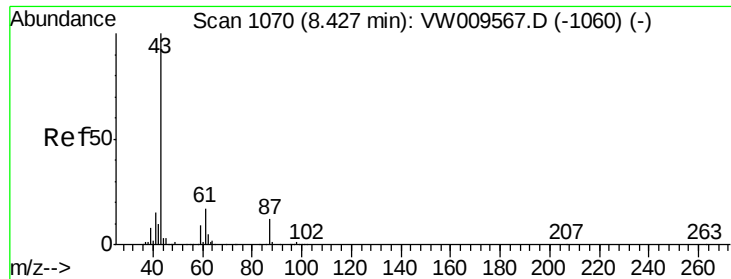
MMDadoda
4/1/2019 4:04:59 AM



#42
1,2-Dichloroethane
Concen: 20.261 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.4





#43

Isopropyl Acetate

Concen: 21.104 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

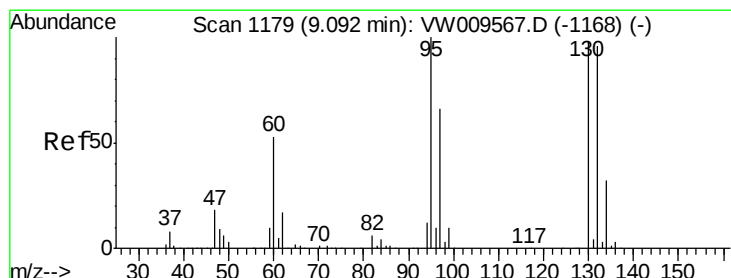
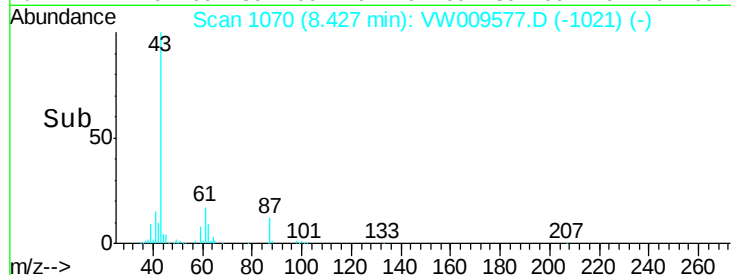
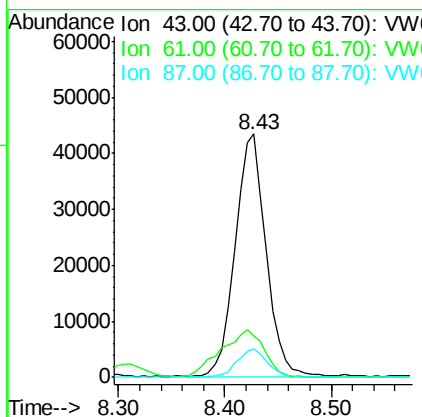
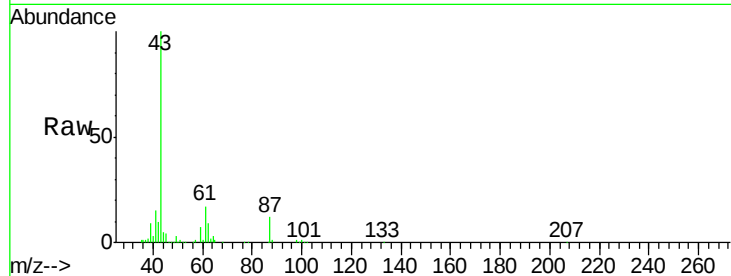
ClientSampleId :

VW0329SBS01

Tot Ion:	43	Resp:	87993
Ion	Ratio	Lower	Upper
43	100		
61	27.7	22.2	33.2
87	11.6	9.6	14.4

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4/1/2019 4:04:59 AM



#44

Trichloroethene

Concen: 19.583 ug/l

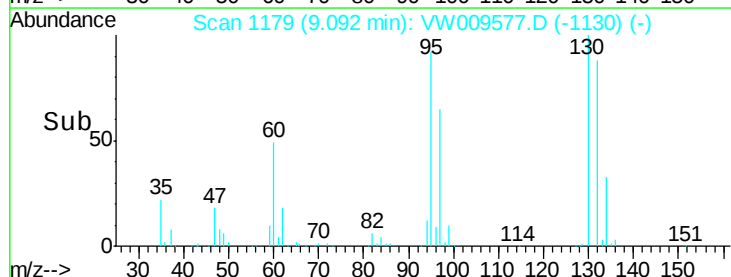
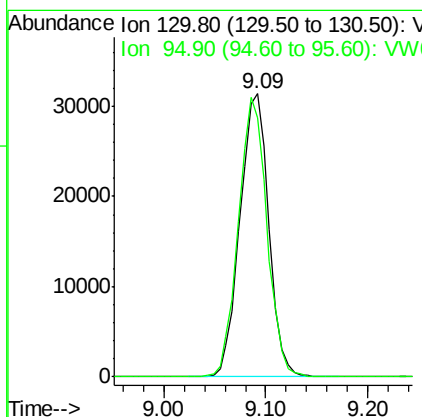
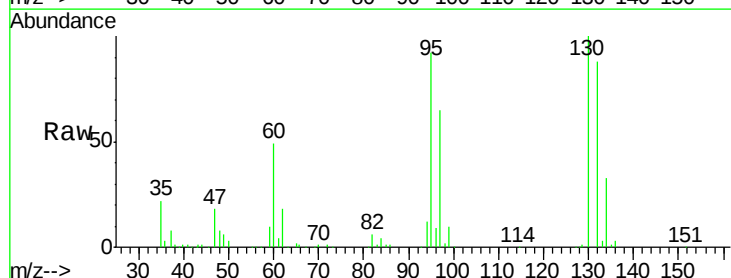
RT: 9.09 min Scan# 1179

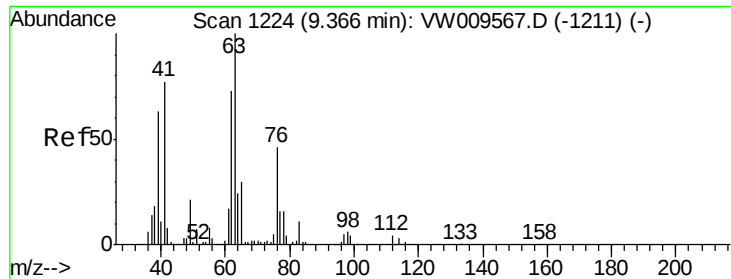
Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tgt Ion:	130	Resp:	61495
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	192.6





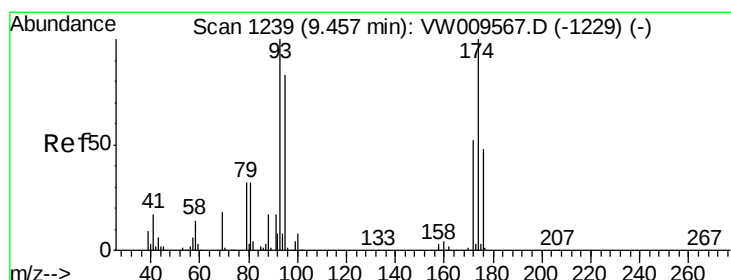
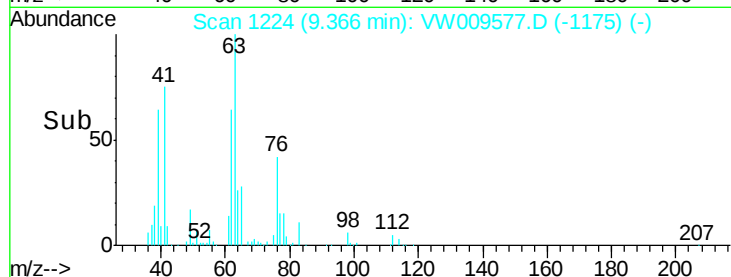
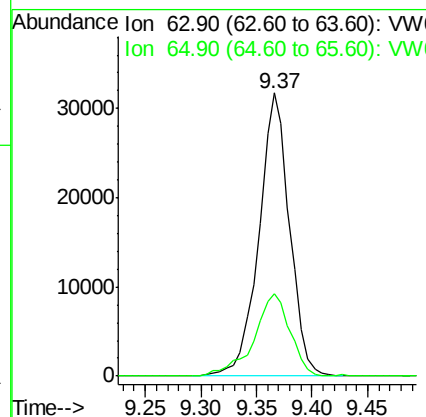
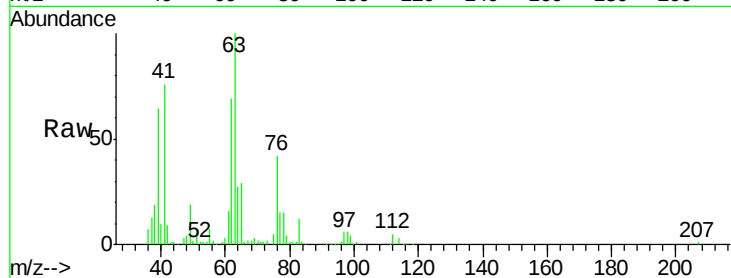
#45
 1,2-Dichloropropane
 Concen: 19.604 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.1	25.8	38.8

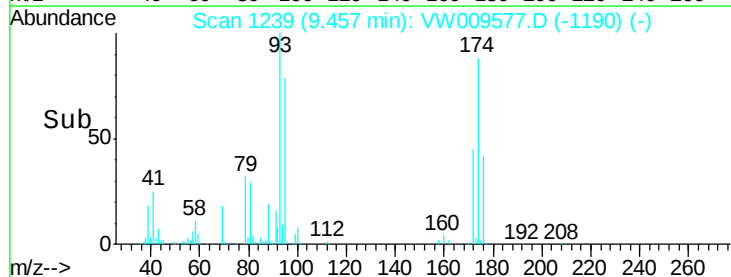
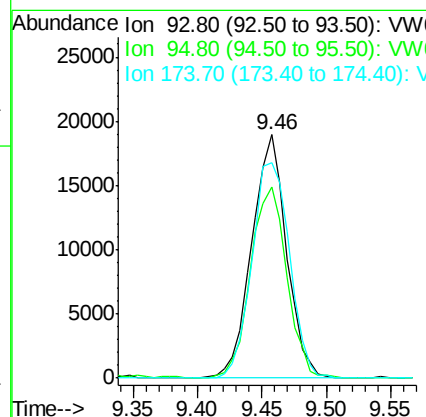
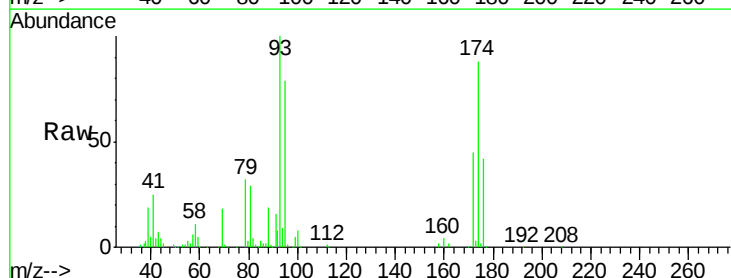
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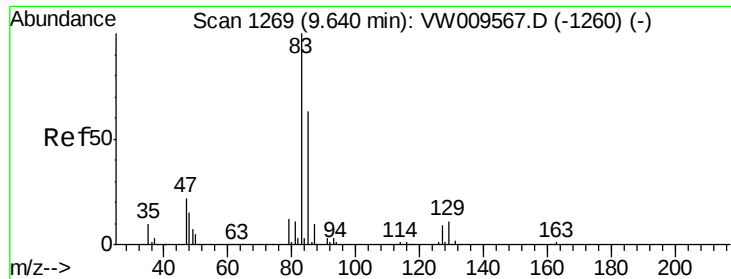
MMDadoda
 4/1/2019 4:04:59 AM



#46
 Dibromomethane
 Concen: 21.008 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.9	100.3
174	96.0	80.8	121.2





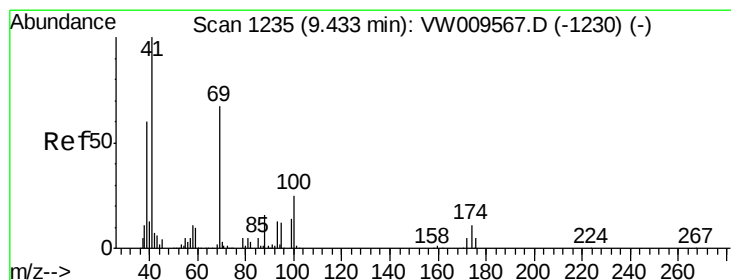
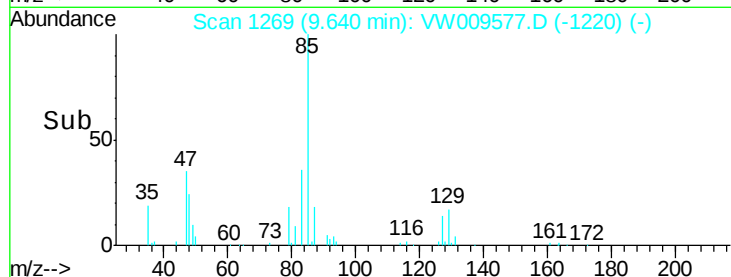
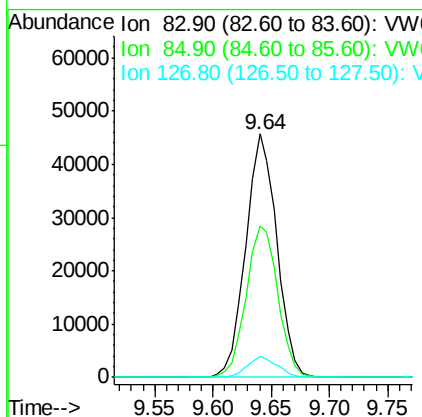
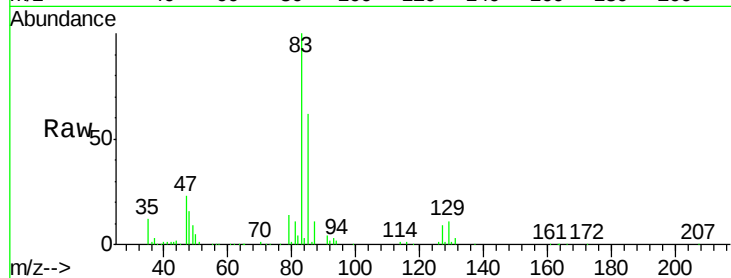
#47
Bromodichloromethane
Concen: 19.840 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBSD01

Tot Ion	83	Resp	85117
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	52.6	79.0
127	8.6	6.5	9.7

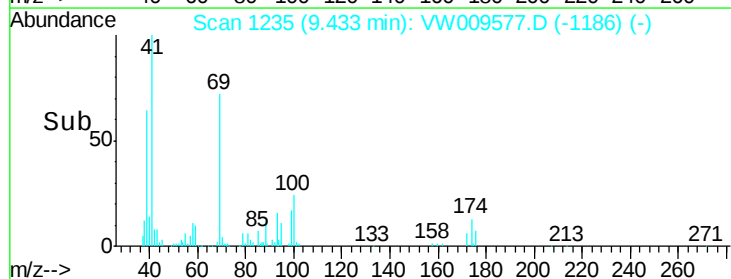
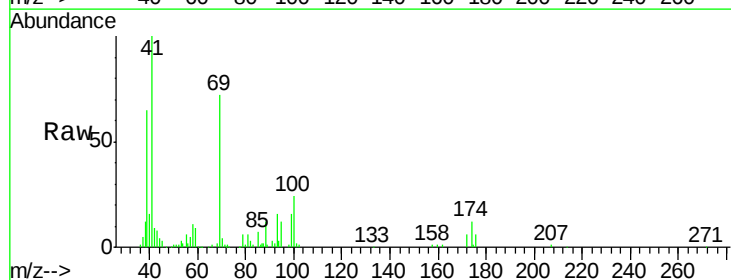
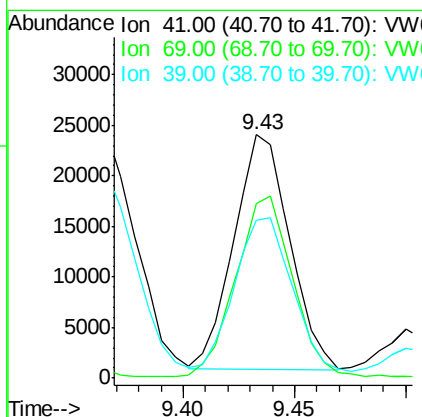
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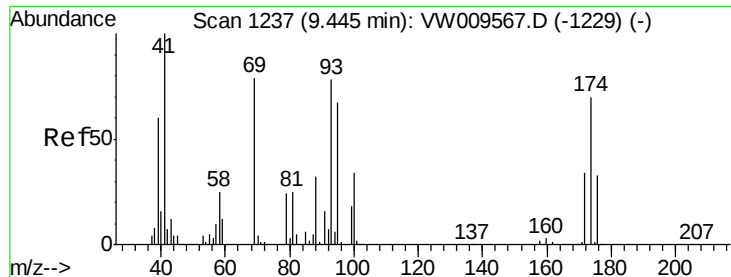
MMDadoda
4/1/2019 4:04:59 AM



#48
Methyl methacrylate
Concen: 20.785 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	41	Resp	40624
Ion Ratio	100	Lower	Upper
41	100		
69	79.7	63.0	94.6
39	72.9	57.2	85.8





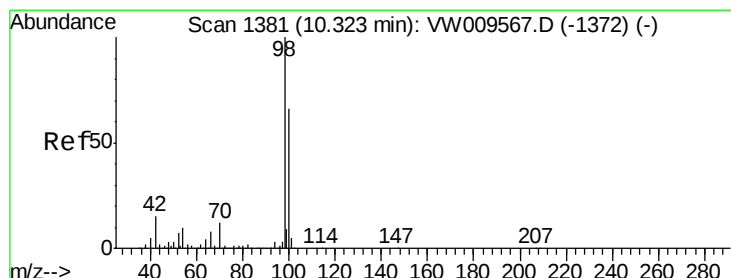
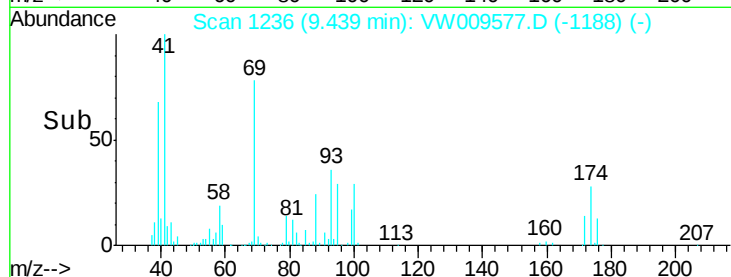
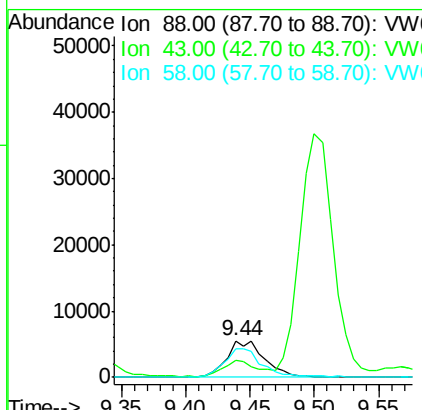
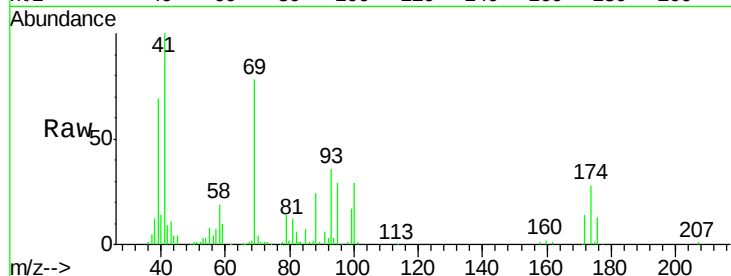
#49
1,4-Dioxane
Concen: 451.197 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	29.7	44.5
58	78.5	58.1	87.1

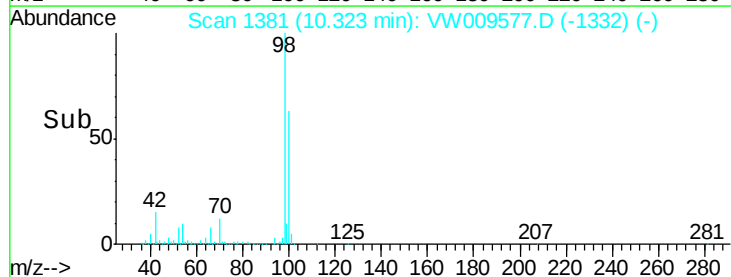
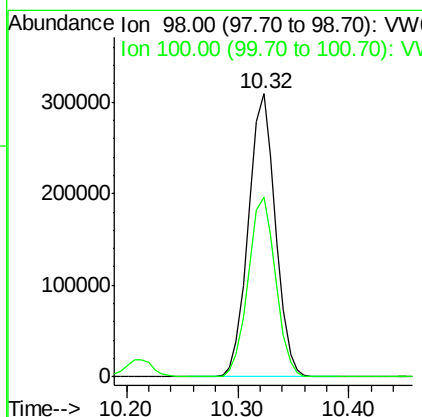
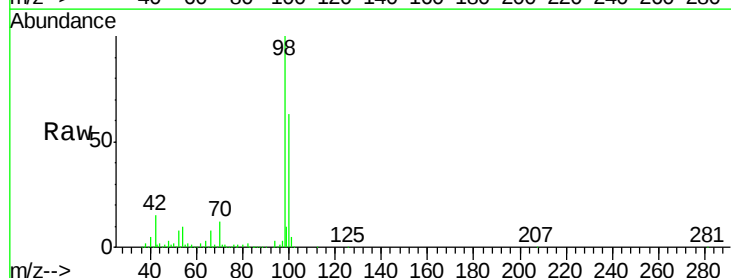
Manual Integrations
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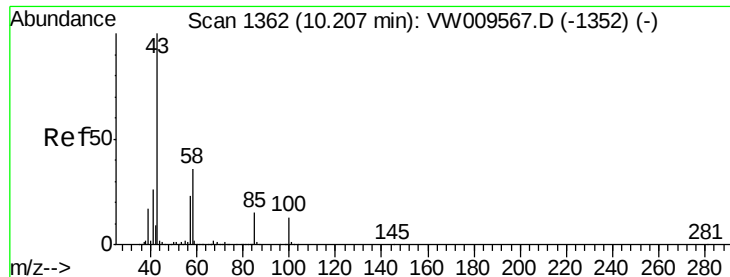
MMDadoda
4/1/2019 4:04:59 AM



#50
Toluene-d8
Concen: 51.980 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 109.007 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 43 Resp: 243175

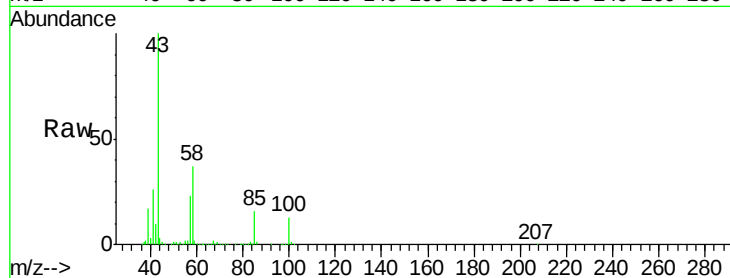
Ion Ratio Lower Upper

43 100

58 36.0 28.6 42.8

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

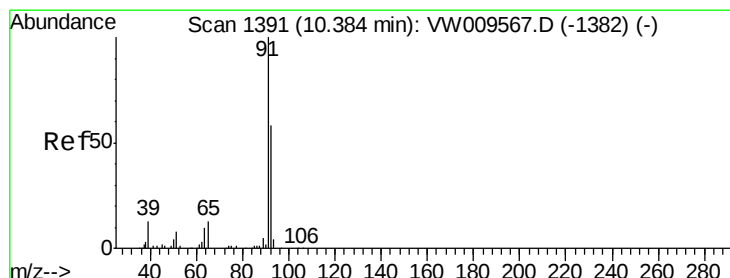
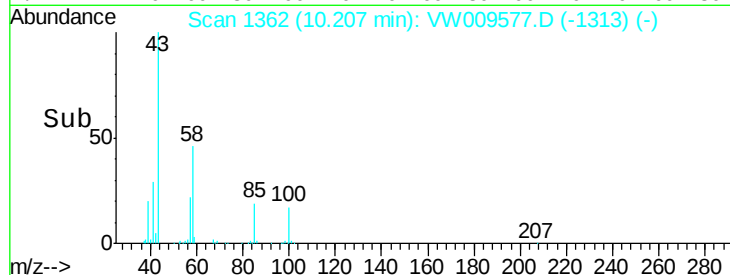
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.221 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009577.D

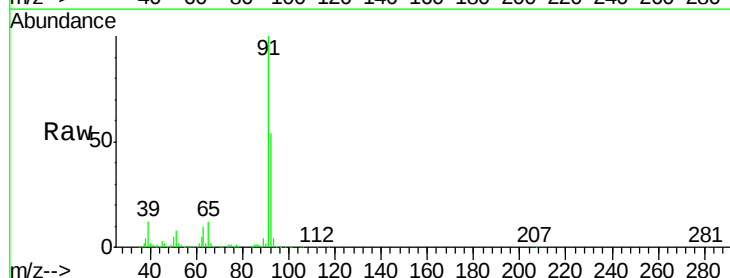
Acq: 29 Mar 2019 17:47

Tgt Ion: 92 Resp: 146005

Ion Ratio Lower Upper

92 100

91 177.5 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

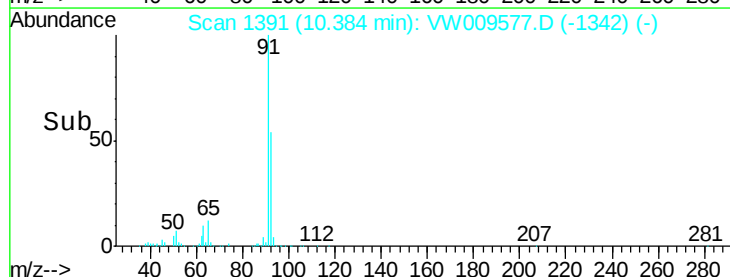
150000

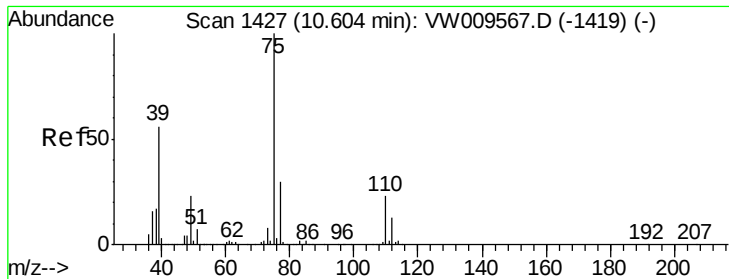
100000

50000

0

Time--> 10.30 10.40





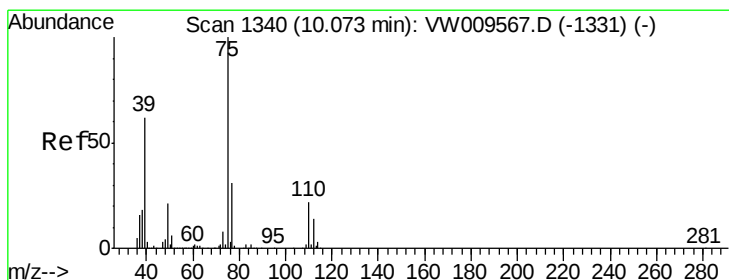
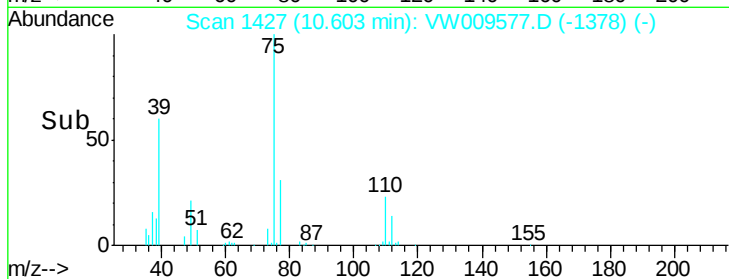
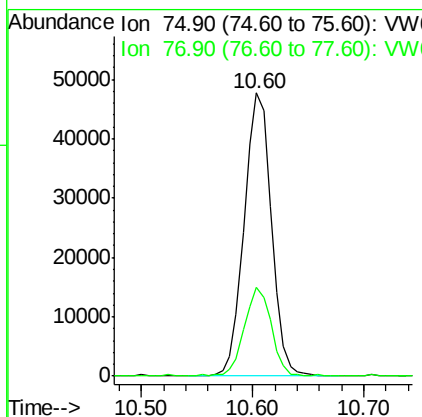
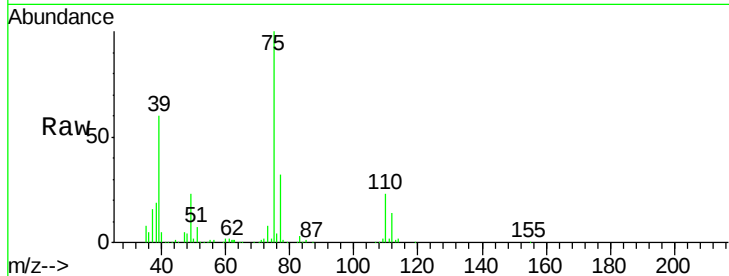
#53
 t-1,3-Dichloropropene
 Concen: 19.346 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2

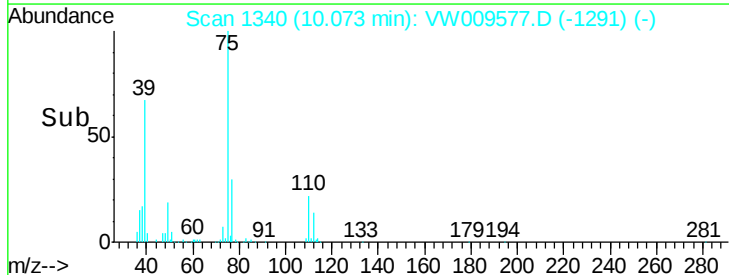
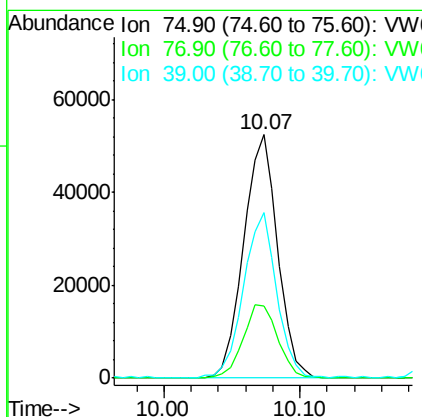
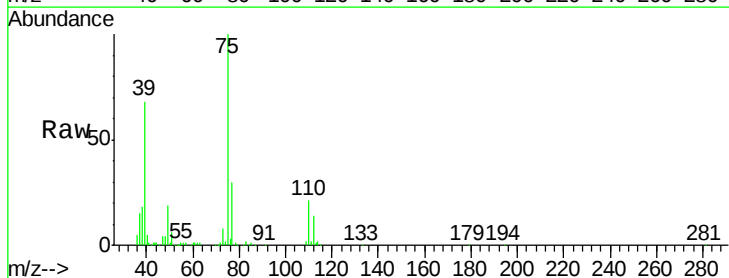
Manual Integrations
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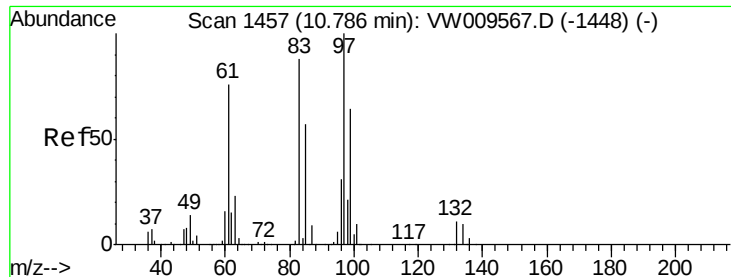
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 4/1/2019 4:04:59 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.620 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.9	38.9
39	67.6	46.8	70.2





#55

1,1,2-Trichloroethane

Concen: 21.025 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

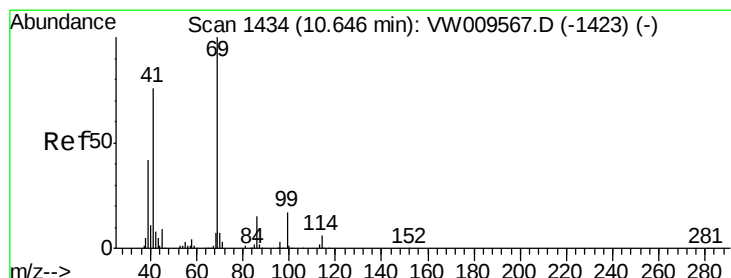
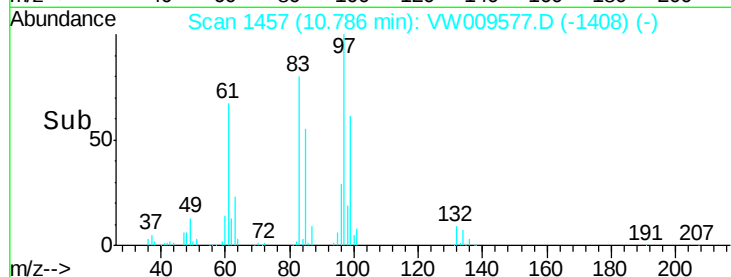
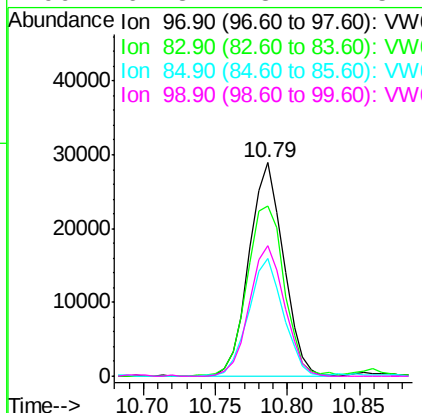
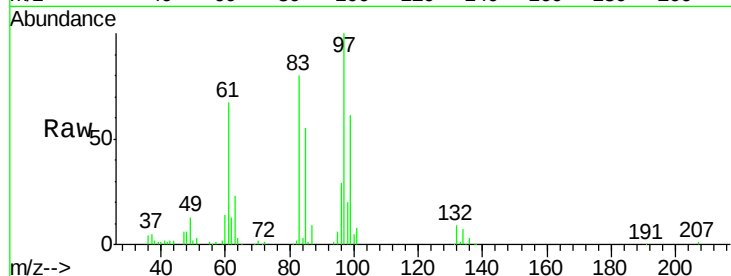
ClientSampleId :

VW0329SBSD01

Tot Ion:	97	Resp:	47798
Ion	Ratio	Lower	Upper
97	100		
83	80.0	66.3	99.5
85	55.0	41.4	62.2
99	61.3	48.7	73.1

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4/1/2019 4:04:59 AM



#56

Ethyl methacrylate

Concen: 20.420 ug/l

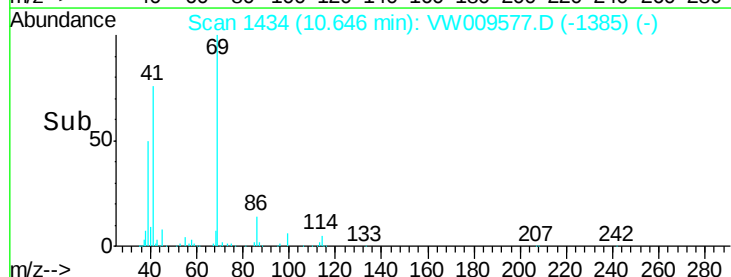
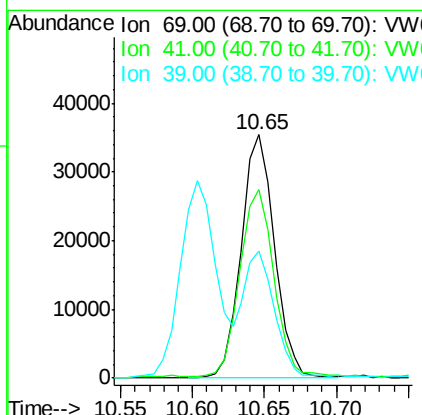
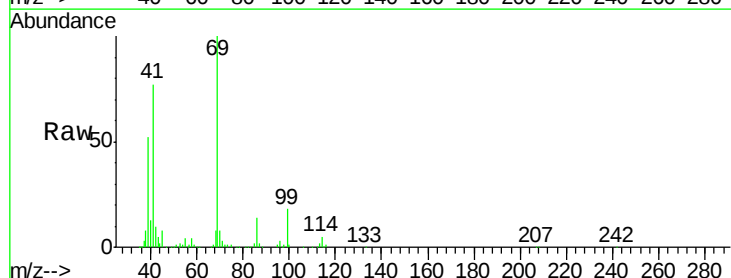
RT: 10.65 min Scan# 1434

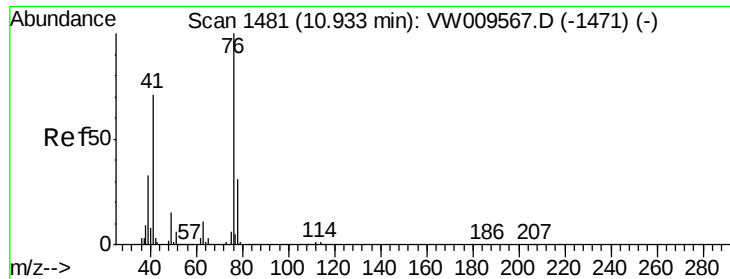
Delta R.T. 0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tgt Ion:	69	Resp:	56642
Ion	Ratio	Lower	Upper
69	100		
41	79.5	59.3	88.9
39	49.1	36.2	54.2





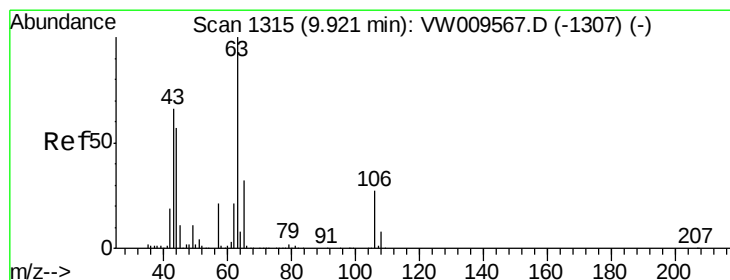
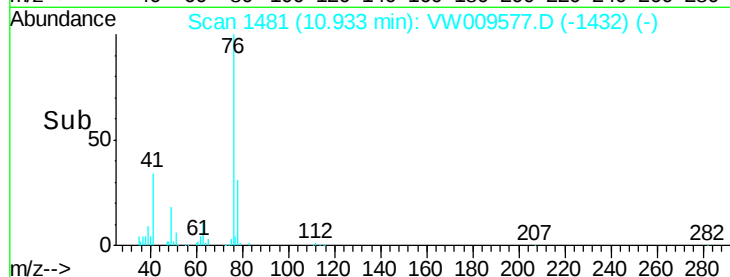
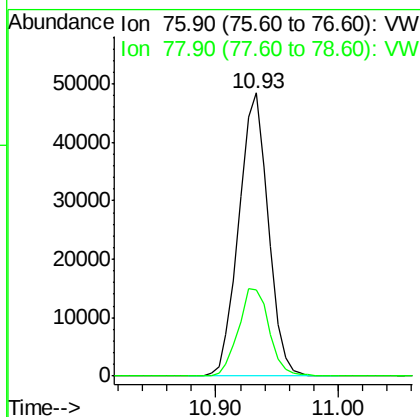
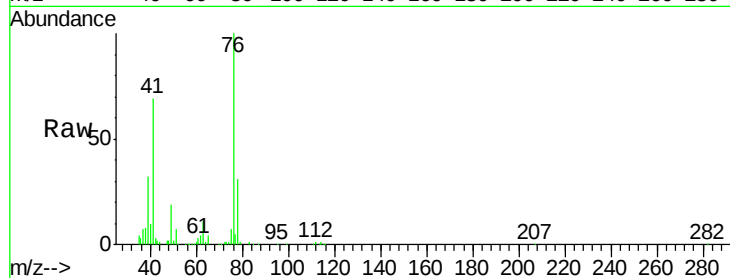
#57
 1,3-Dichloropropane
 Concen: 20.063 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

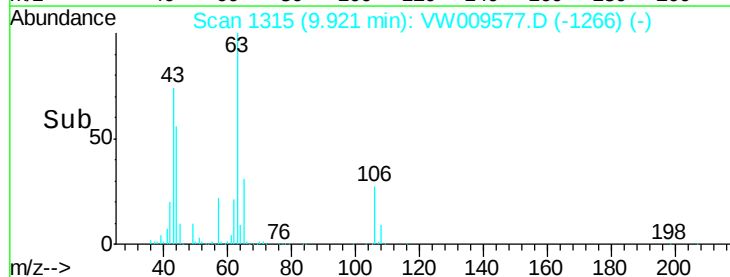
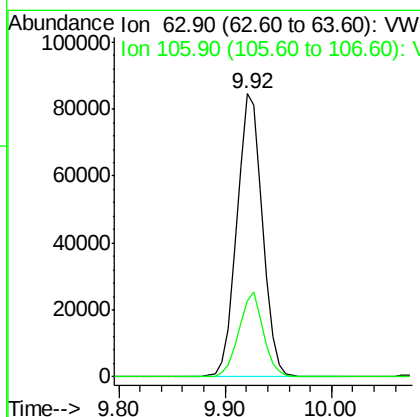
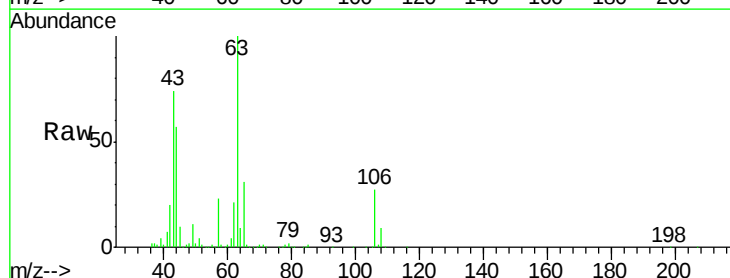
Manual Integrations
 APPROVED

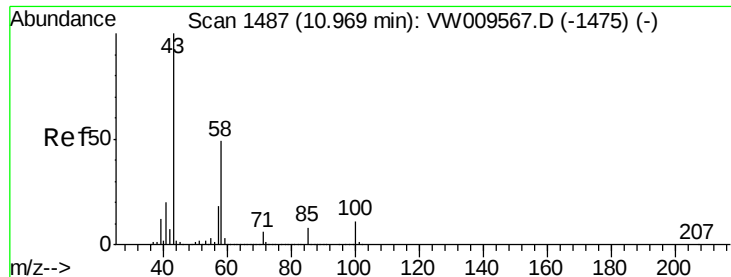
MMDadoda
 4/1/2019 4:04:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.604 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.9	34.3





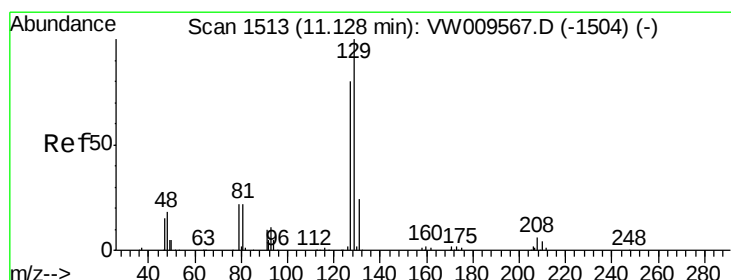
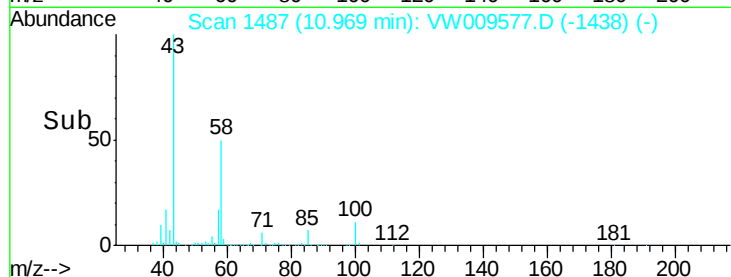
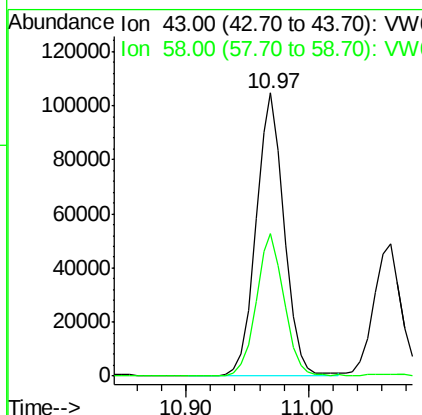
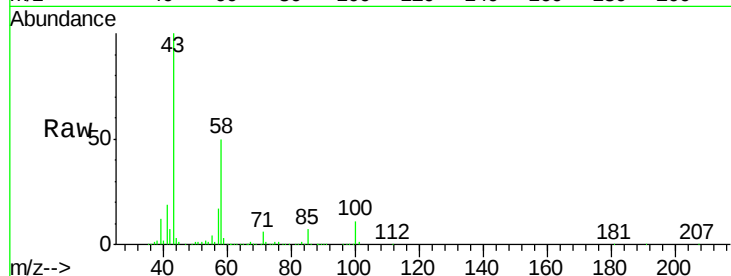
#59
2-Hexanone
Concen: 108.906 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion: 43 Resp: 168140
Ion Ratio Lower Upper
43 100
58 49.7 24.2 72.6

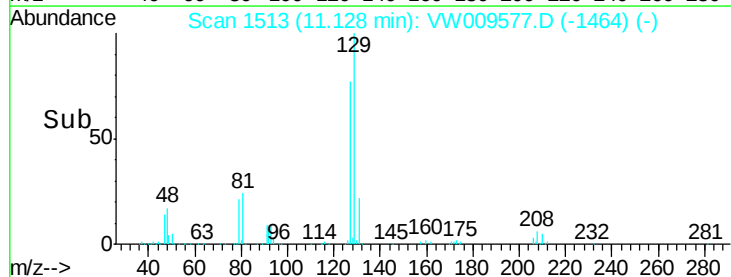
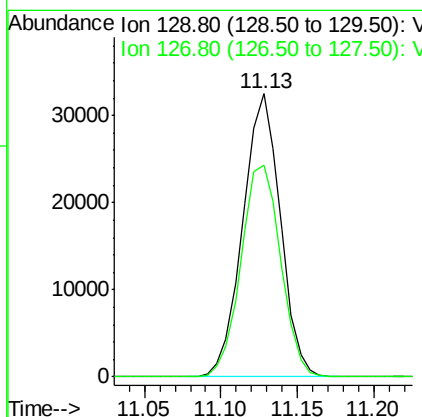
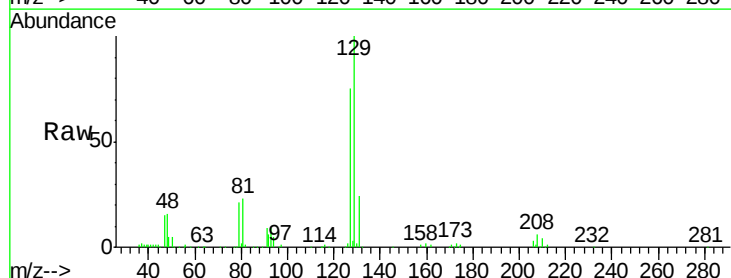
Manual Integrations
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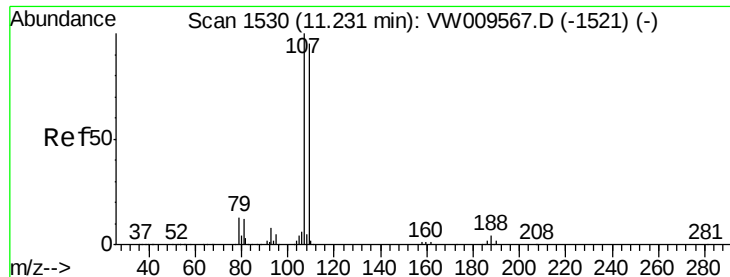
MMDadoda
4/1/2019 4:04:59 AM



#60
Dibromochloromethane
Concen: 20.281 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion: 129 Resp: 55672
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.899 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 107 Resp: 45561

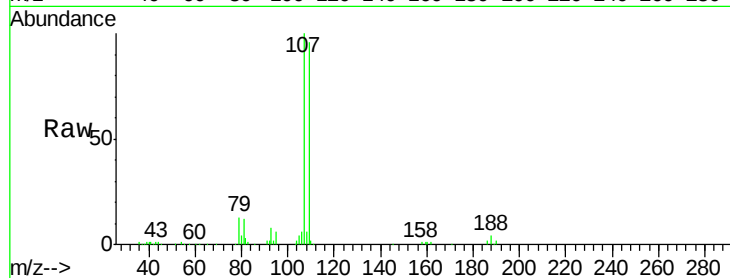
Ion Ratio Lower Upper

107 100

109 95.8 75.1 112.7

Manual Integrations
APPROVED

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4/1/2019 4:04:59 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

25000

20000

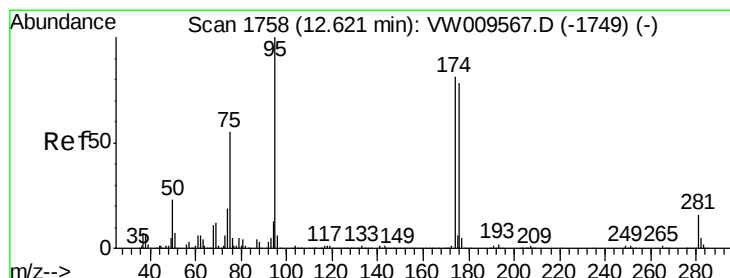
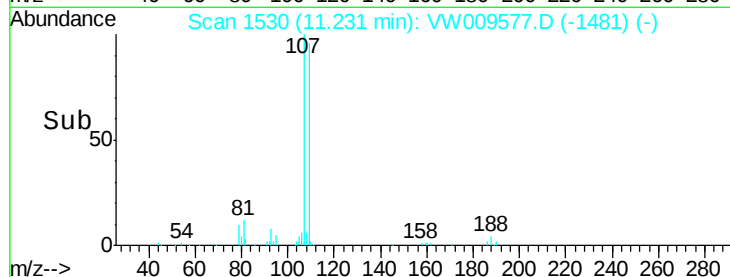
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.103 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

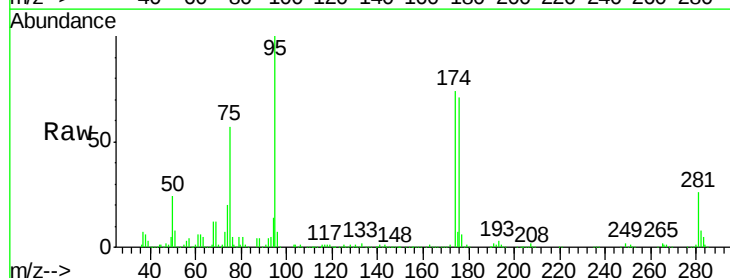
Tgt Ion: 95 Resp: 199107

Ion Ratio Lower Upper

95 100

174 79.6 0.0 168.4

176 76.5 0.0 161.6



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

12.62

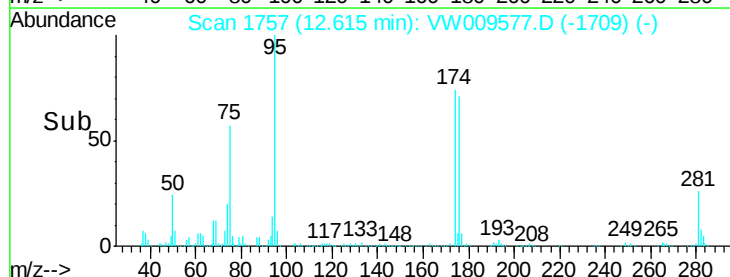
150000

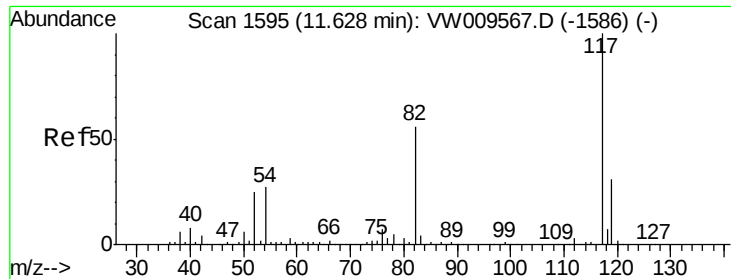
100000

50000

0

Time-->





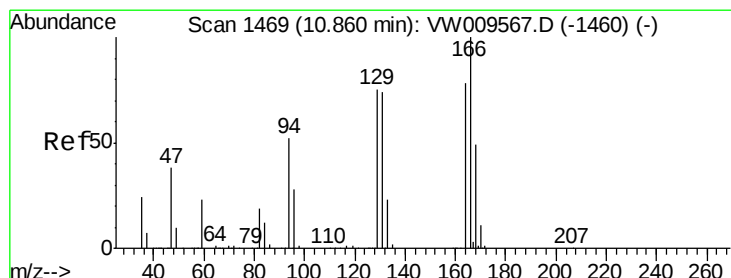
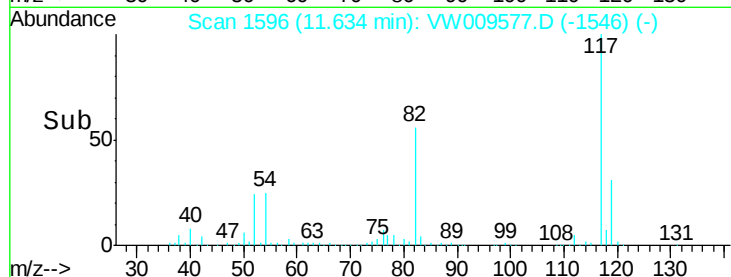
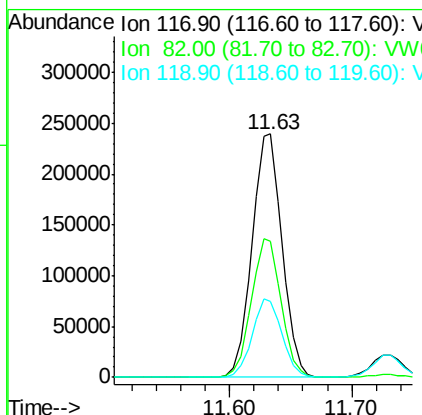
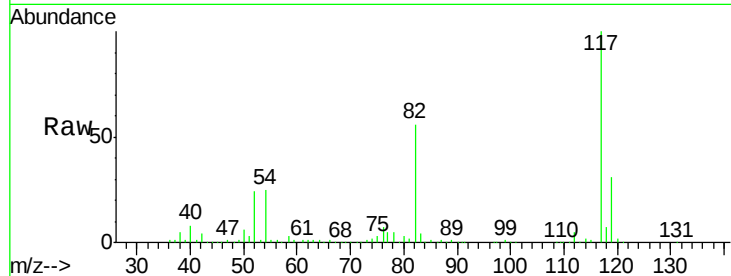
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.6	65.4
119	31.2	26.0	39.0

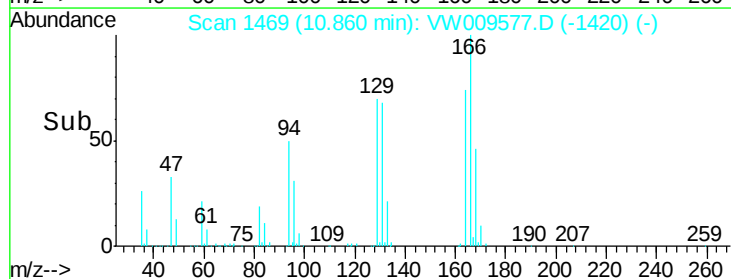
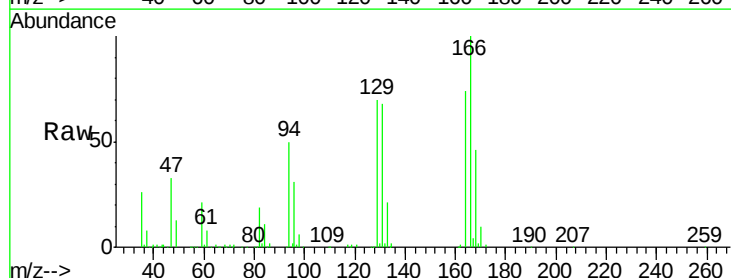
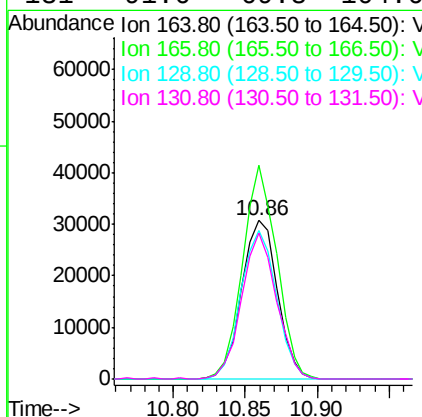
Manual Integrations
APPROVED

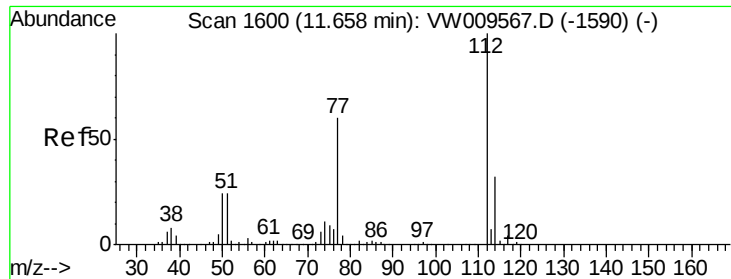
MMDadoda
4/1/2019 4:04:59 AM



#64
Tetrachloroethene
Concen: 19.061 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.6	100.9	151.3
129	93.8	72.0	108.0
131	91.6	69.8	104.6





#65

Chlorobenzene

Concen: 19.097 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBSD01

Tot Ion:112 Resp: 164926

Ion Ratio Lower Upper

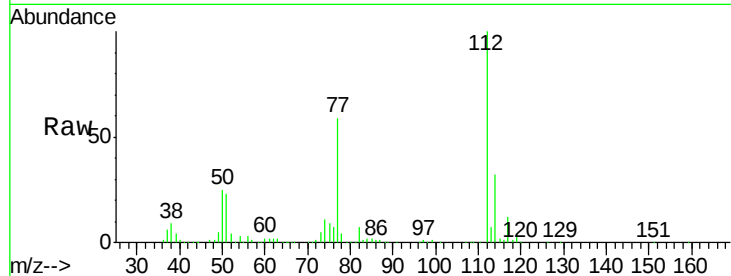
112 100

114 32.0 25.6 38.4

Manual Integrations
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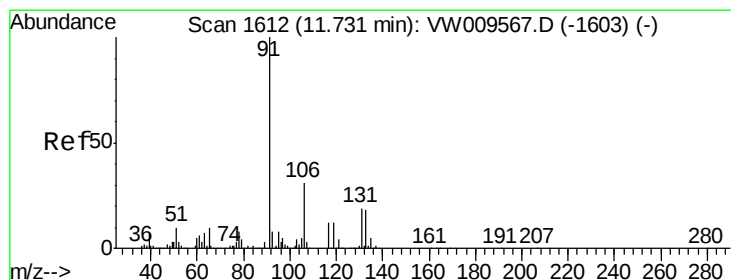
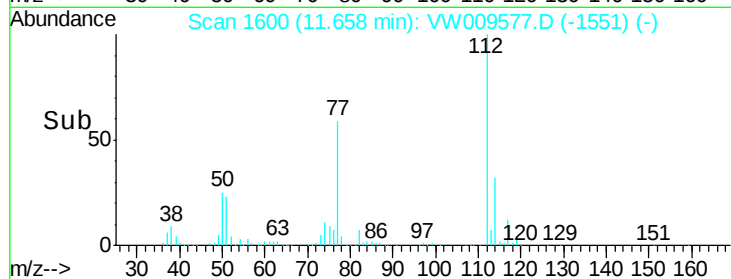
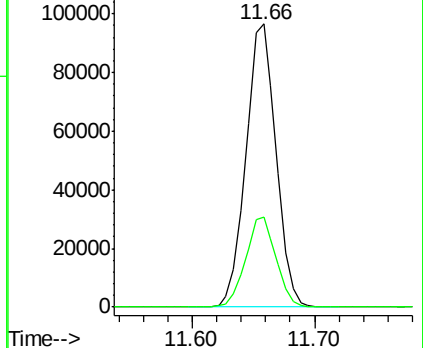
MMDadoda

4/1/2019 4:04:59 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.509 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

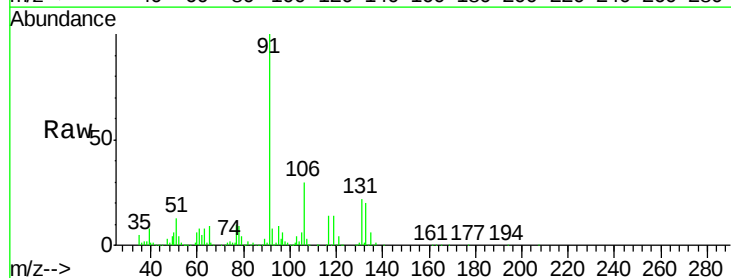
Tgt Ion:131 Resp: 61389

Ion Ratio Lower Upper

131 100

133 94.0 47.3 141.8

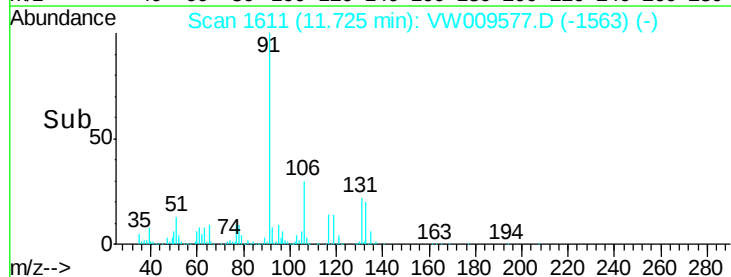
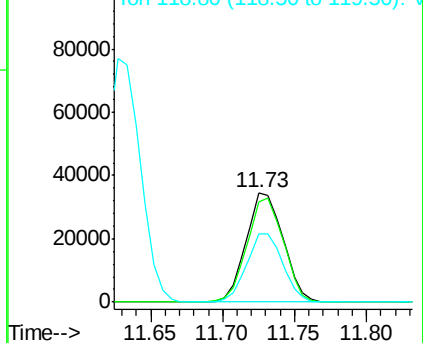
119 61.4 31.6 95.0

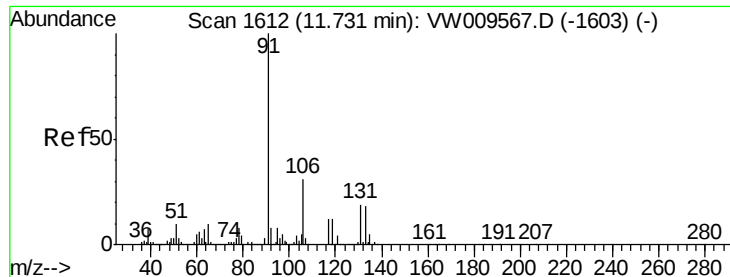


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.666 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 91 Resp: 284005

Ion Ratio Lower Upper

91 100

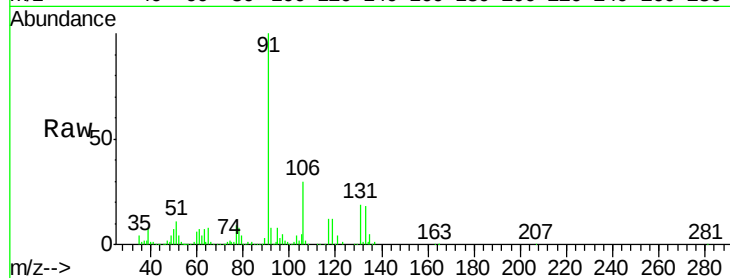
106 30.4 24.6 36.8

Manual Integrations

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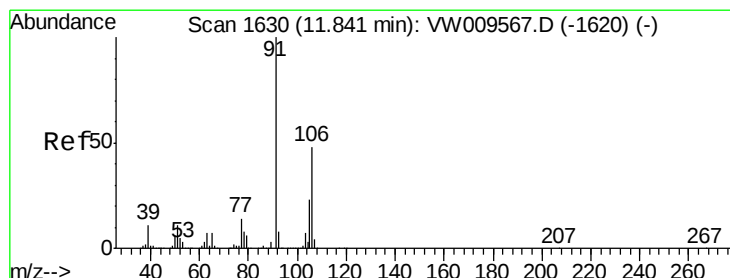
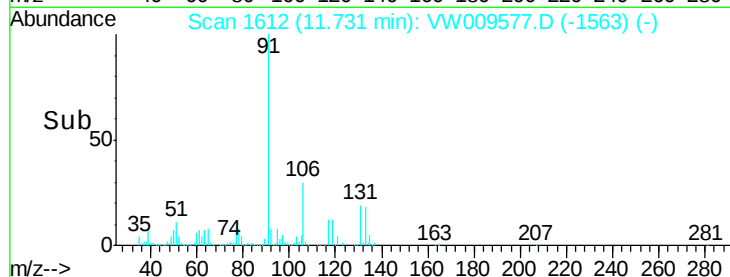
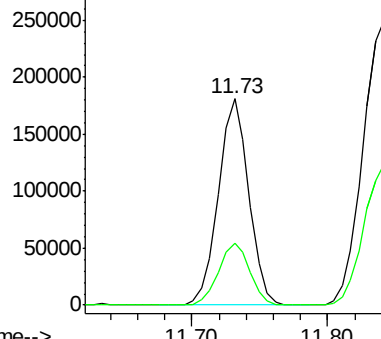
MMDadoda

4/1/2019 4:04:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.566 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009577.D

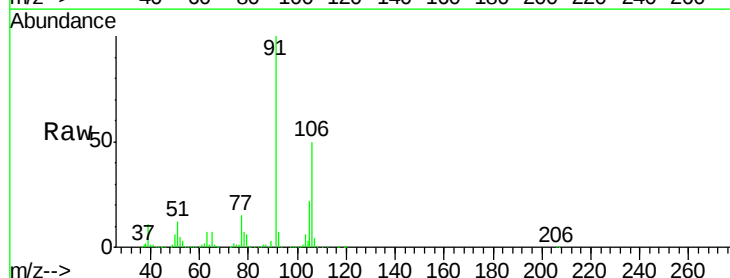
Acq: 29 Mar 2019 17:47

Tgt Ion:106 Resp: 222810

Ion Ratio Lower Upper

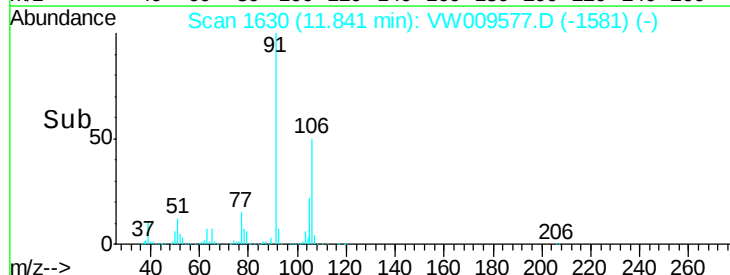
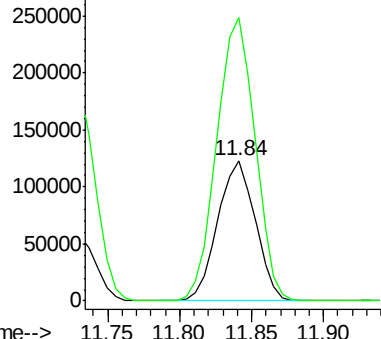
106 100

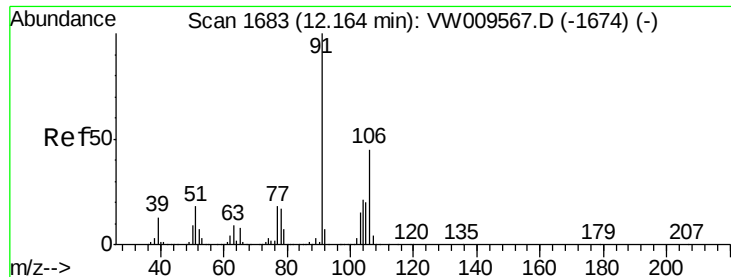
91 205.7 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





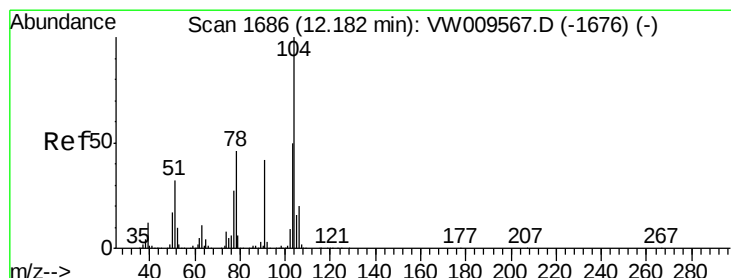
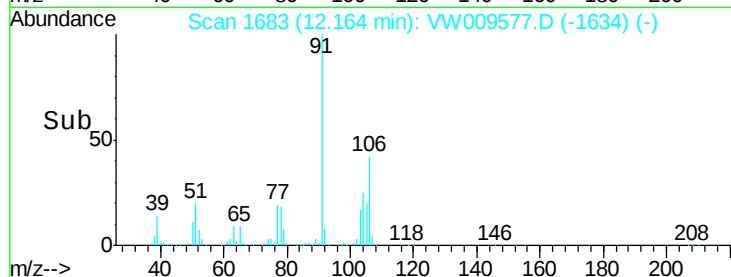
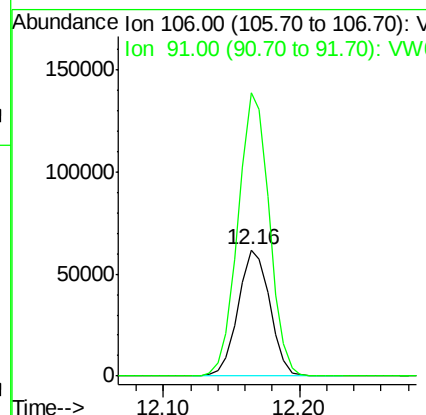
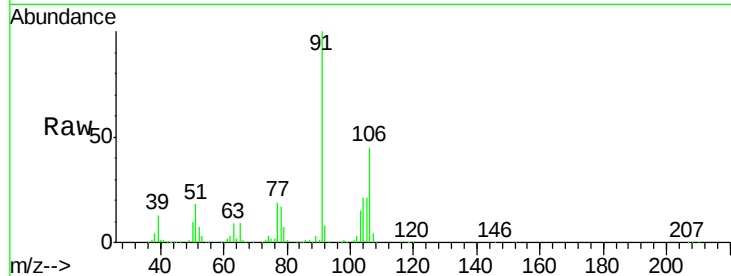
#69
o-Xylene
Concen: 18.652 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.8	108.6	325.8	

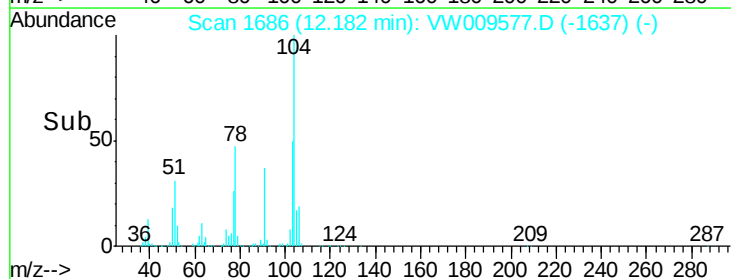
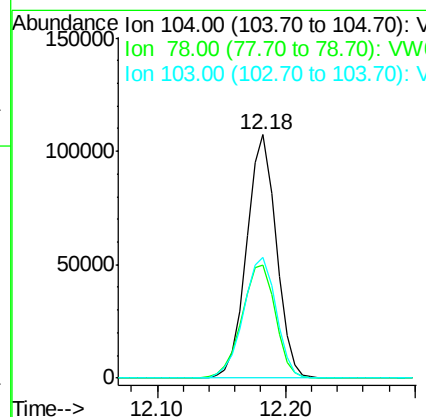
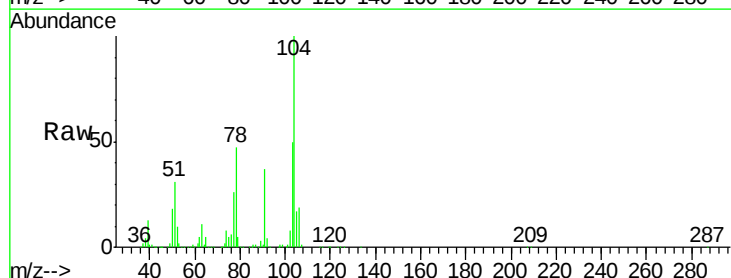
Manual Integrations
APPROVED

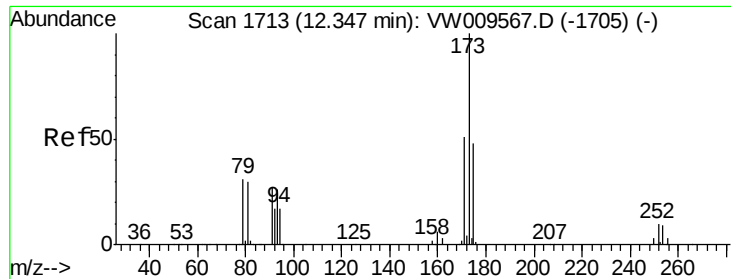
MMDadoda
4/1/2019 4:04:59 AM



#70
Styrene
Concen: 18.952 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.8	42.2	63.4	
103	55.1	44.6	66.8	





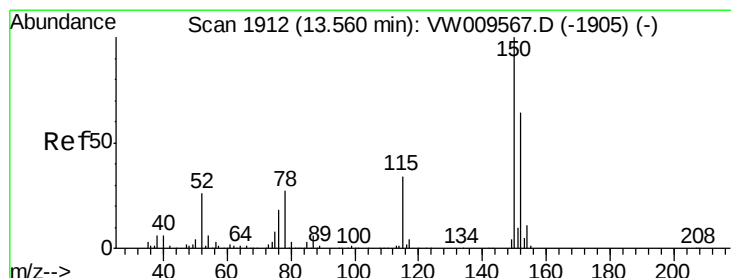
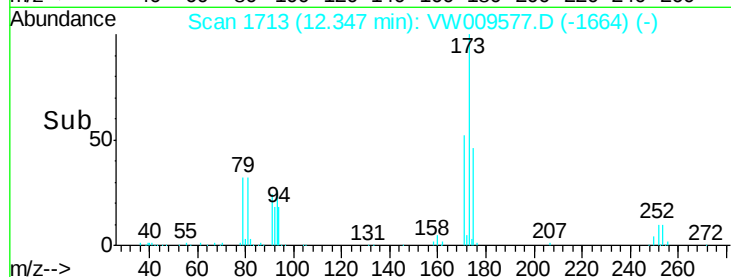
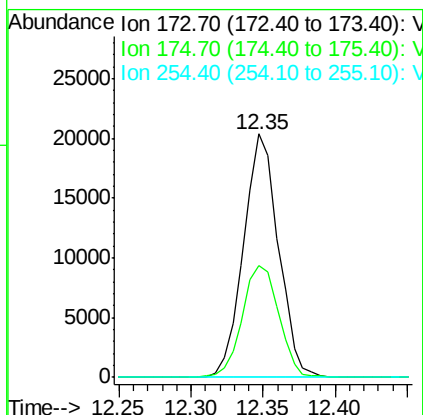
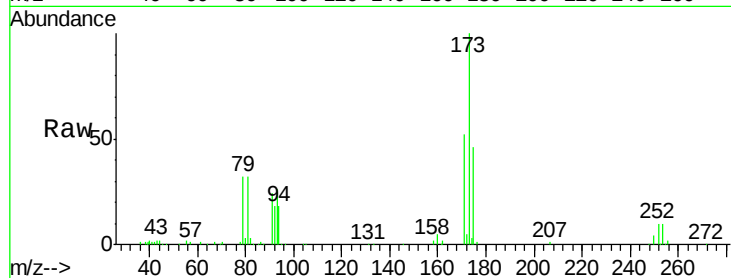
#71
Bromoform
Concen: 20.210 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.4
254	0.2	0.2	0.4

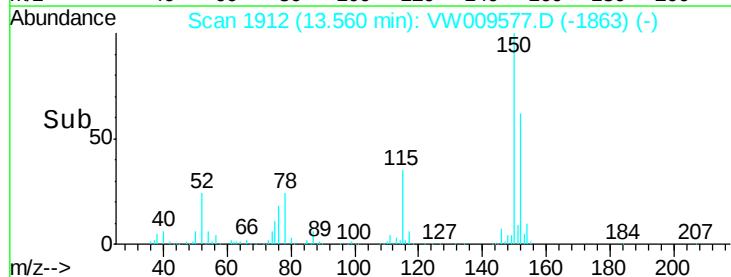
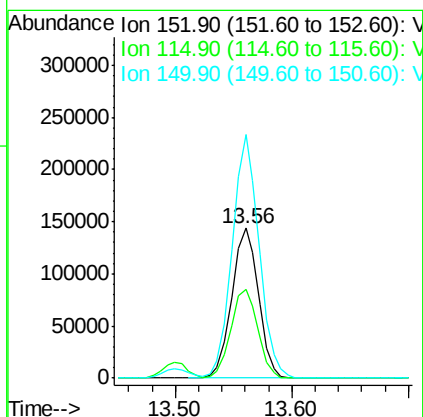
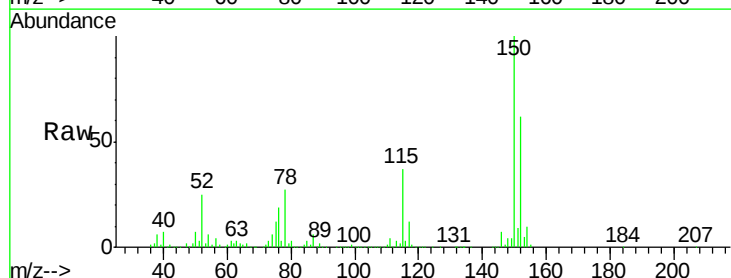
Manual Integrations
APPROVED

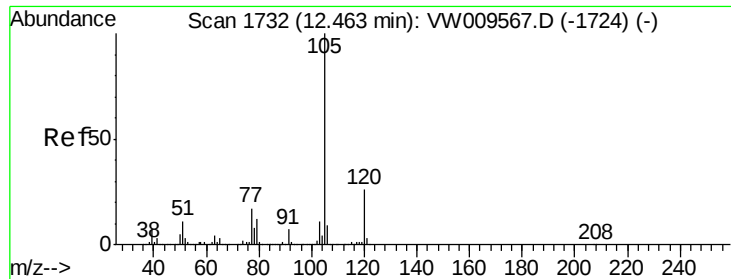
MMDadoda
4/1/2019 4:04:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.6	88.8
150	163.3	0.0	349.2





#73

Isopropylbenzene

Concen: 18.298 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 105 Resp: 290879

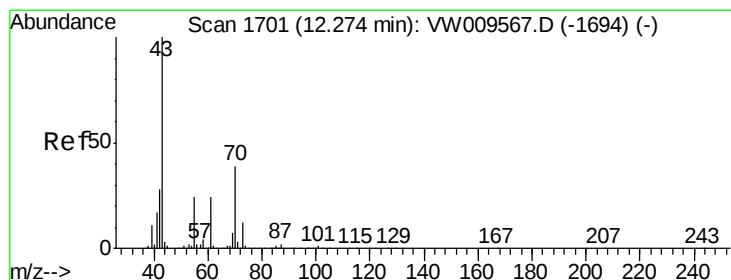
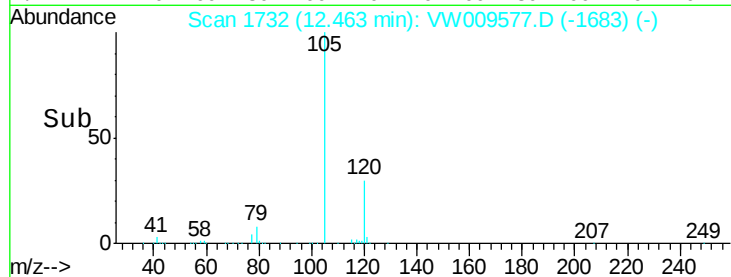
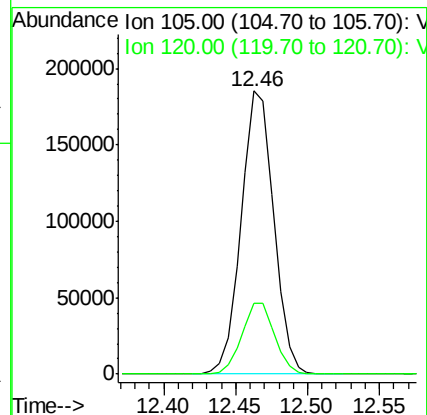
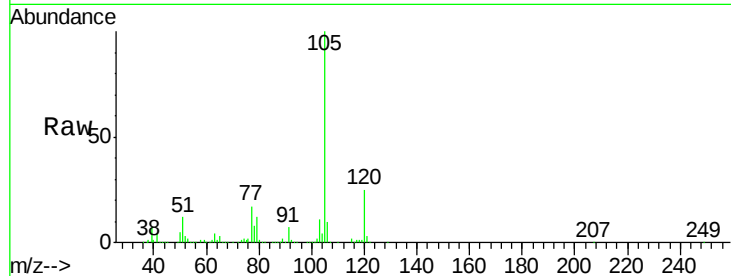
Ion Ratio Lower Upper

105 100

120 25.4 13.0 39.0

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:59 AM



#74

N-ethyl acetate

Concen: 20.584 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tgt Ion: 43 Resp: 86263

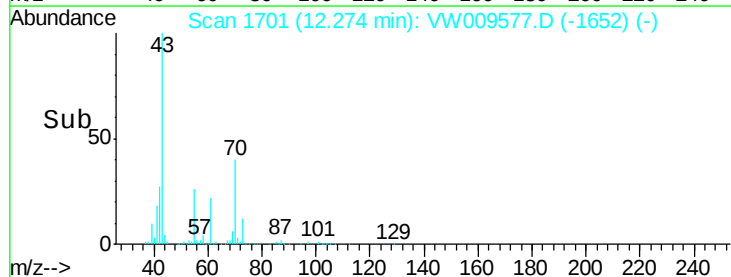
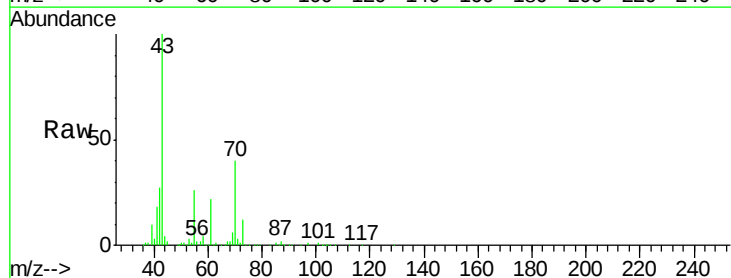
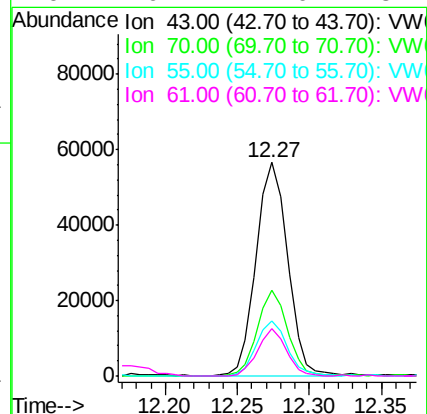
Ion Ratio Lower Upper

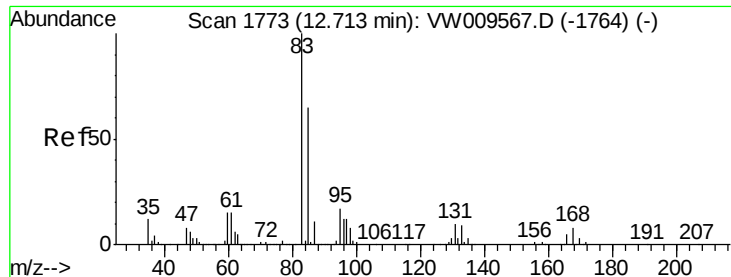
43 100

70 38.8 30.6 46.0

55 25.5 19.3 28.9

61 20.1 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.464 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

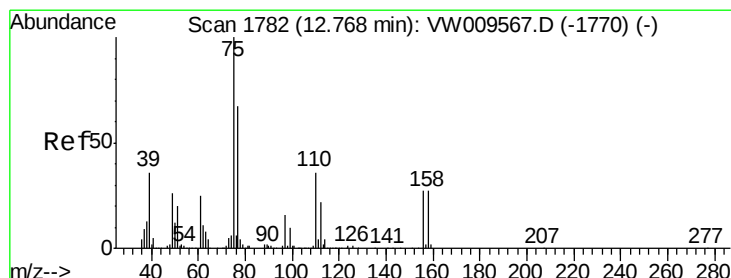
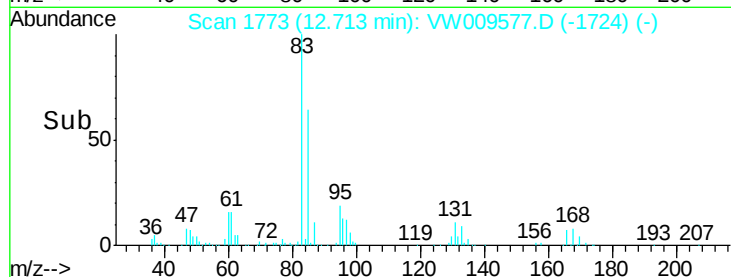
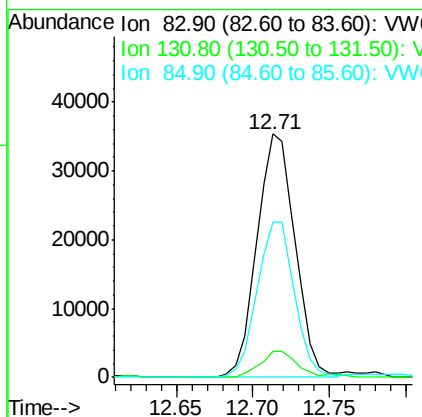
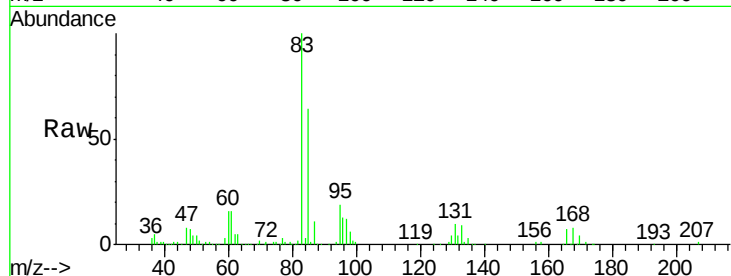
ClientSampleId :

VW0329SBS01

Tot Ion:	83	Resp:	61519
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	62.8	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 19.958 ug/l m

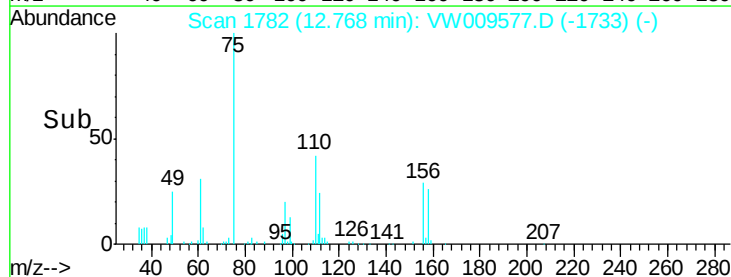
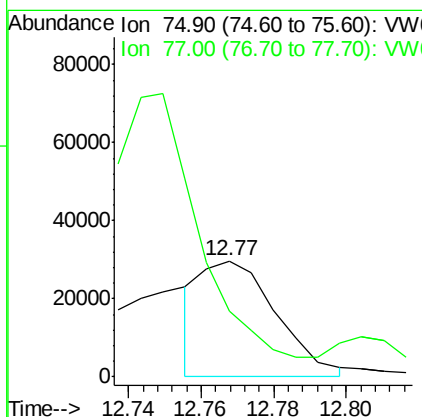
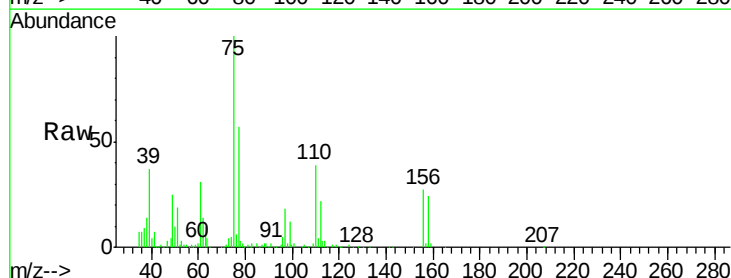
RT: 12.77 min Scan# 1782

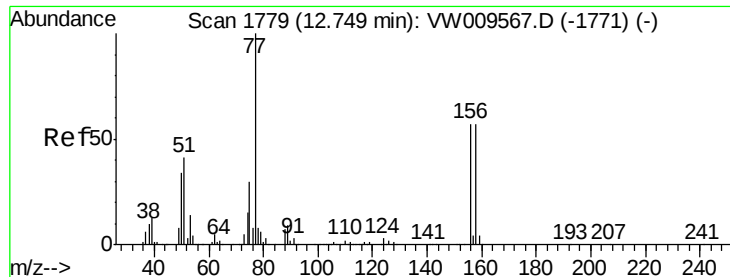
Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tgt Ion:	75	Resp:	42872
Ion Ratio	Lower	Upper	
75	100		
77	315.0	0.0	0.0#





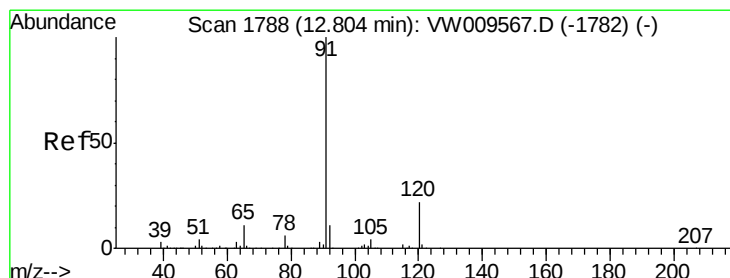
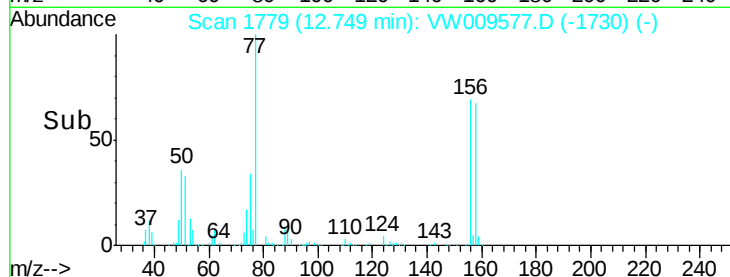
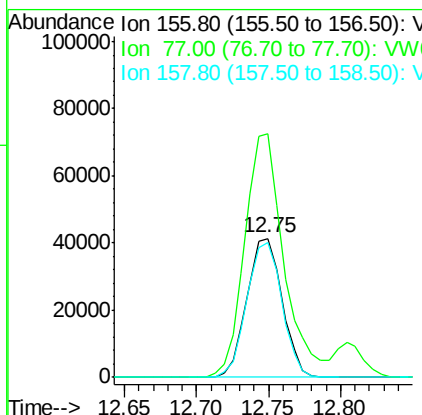
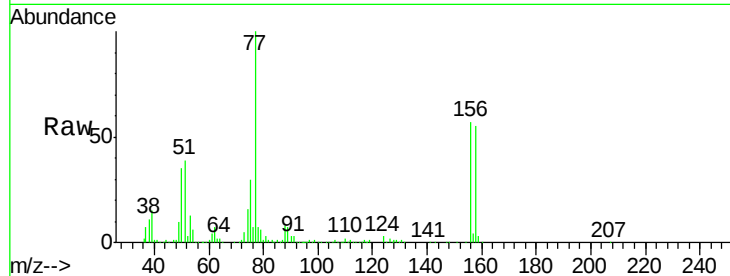
#77
Bromobenzene
Concen: 19.150 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.6	96.0	288.0
158	96.6	49.1	147.3

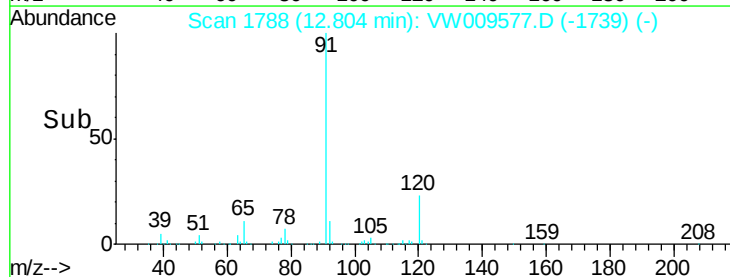
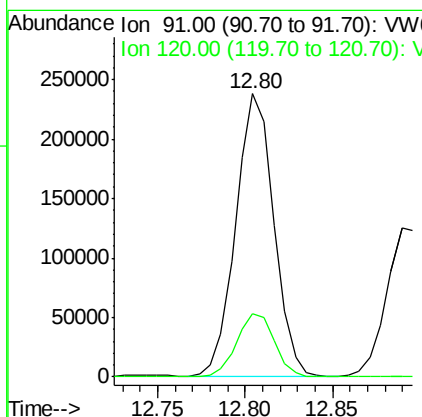
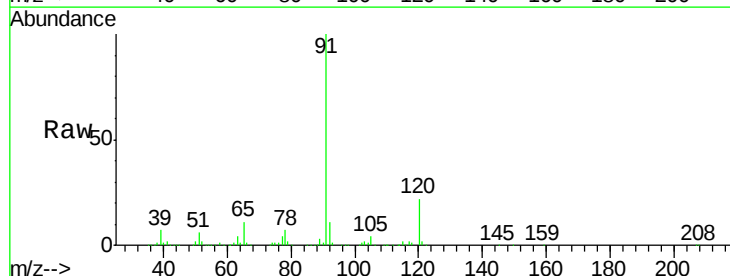
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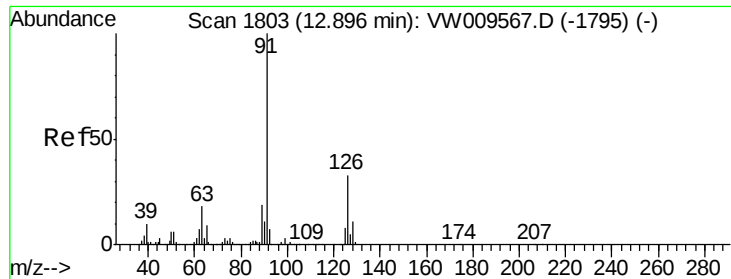
MMDadoda
4/1/2019 4:04:59 AM



#78
n-propylbenzene
Concen: 18.397 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.3





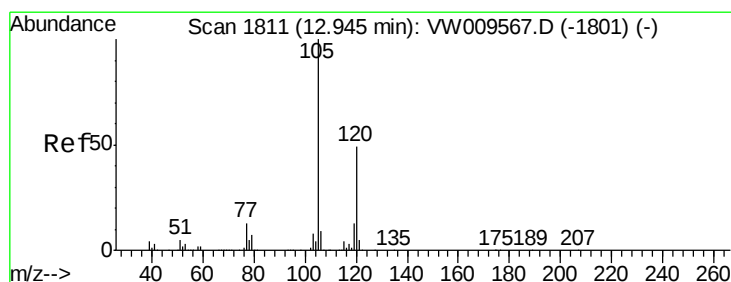
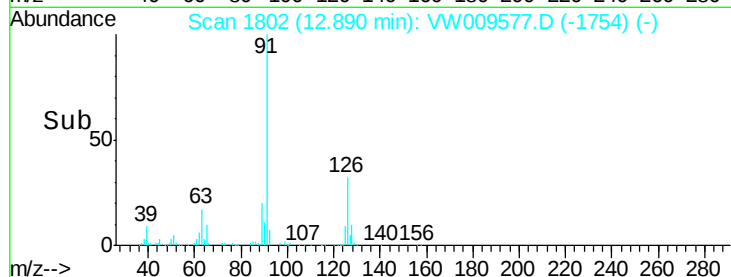
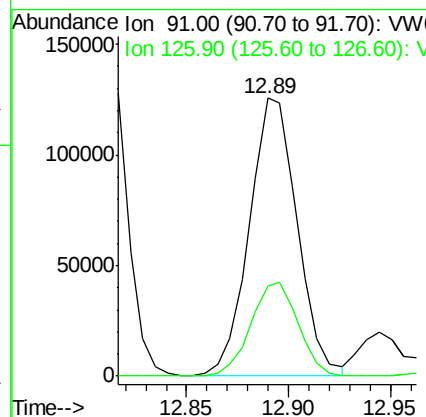
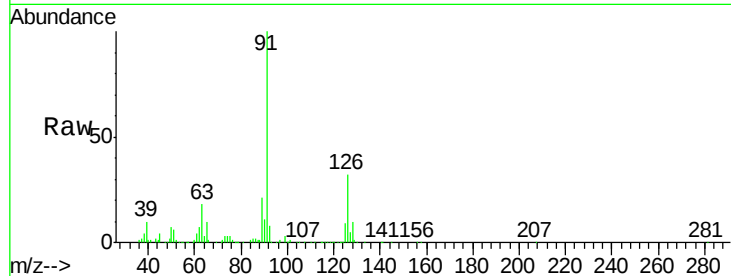
#79
 2-Chlorotoluene
 Concen: 18.362 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion: 91 Resp: 204546
 Ion Ratio Lower Upper
 91 100
 126 33.4 17.0 51.0

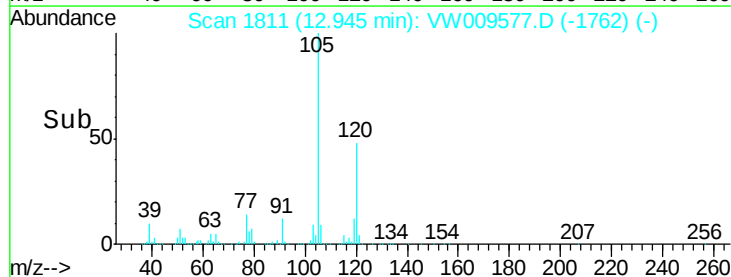
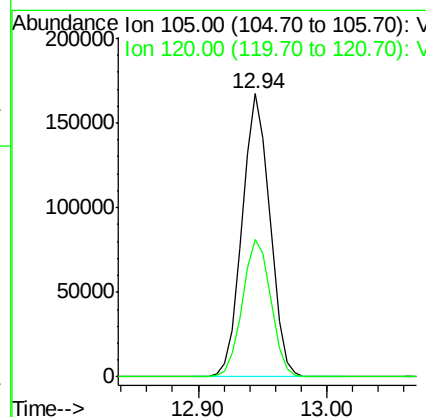
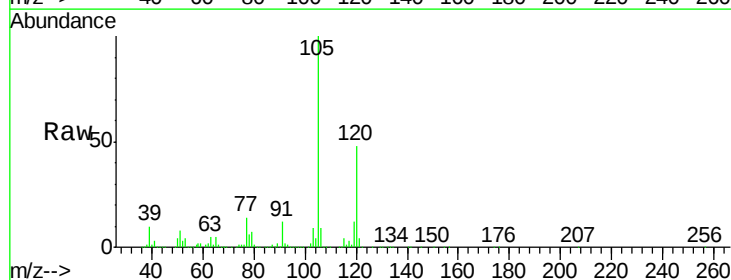
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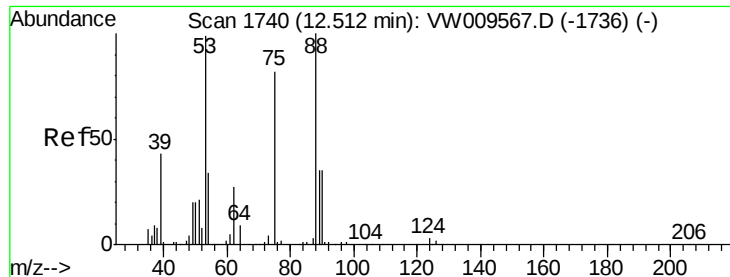
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.620 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion: 105 Resp: 249273
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.6 74.0





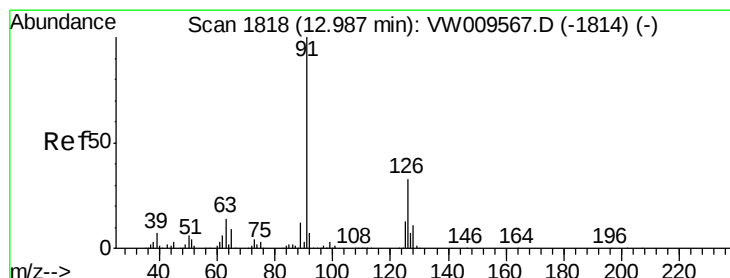
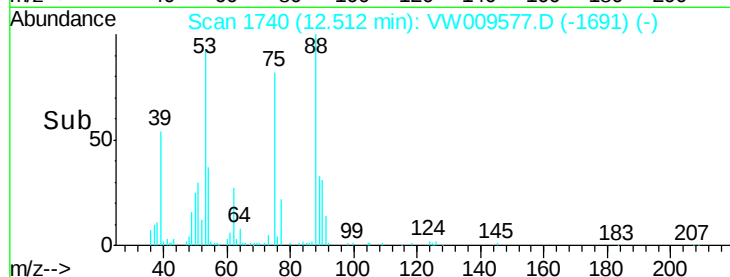
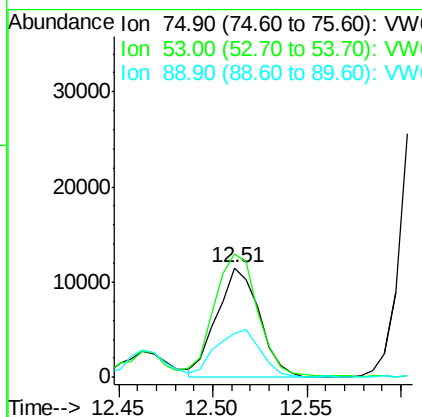
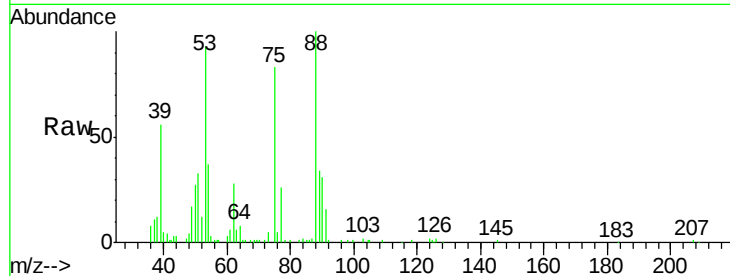
#81
trans-1,4-Dichloro-2-butene
Concen: 19.585 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.0	86.7	130.1
89	45.9	36.4	54.6

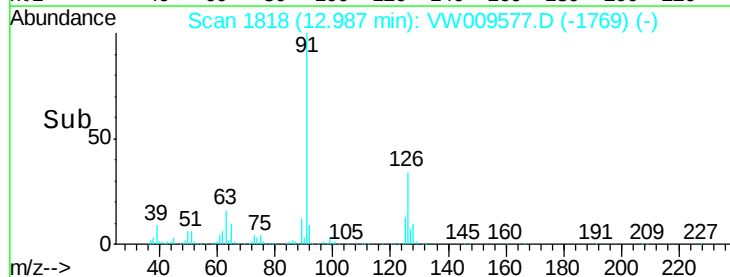
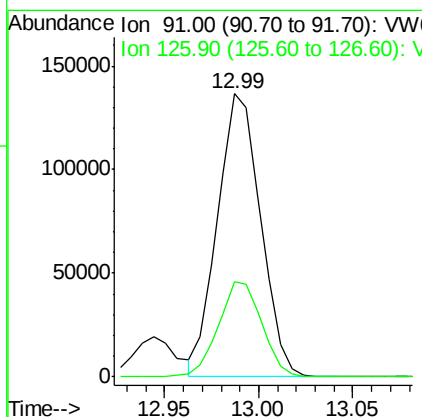
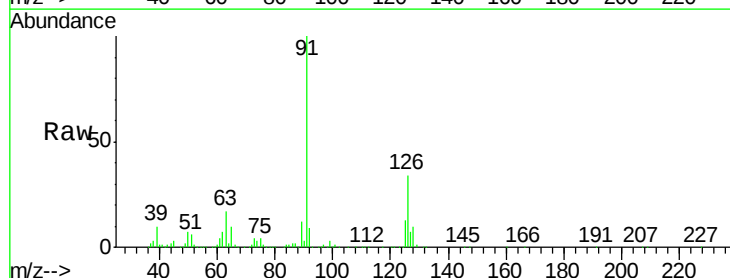
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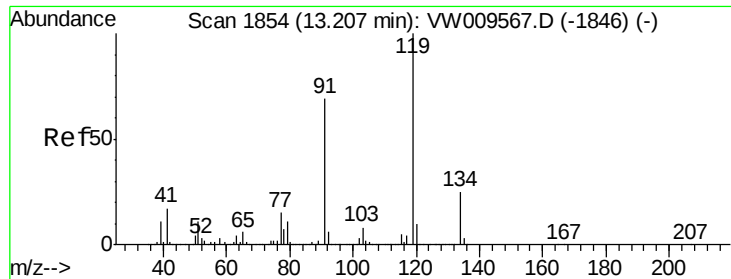
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#82
4-Chlorotoluene
Concen: 18.481 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6





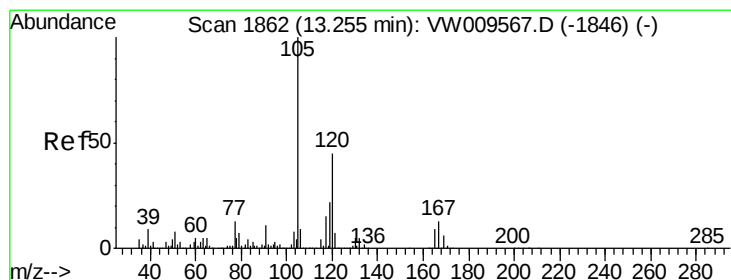
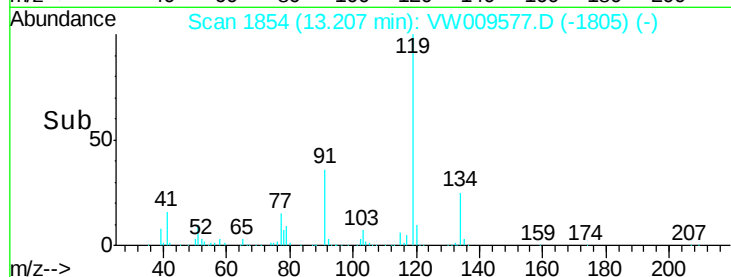
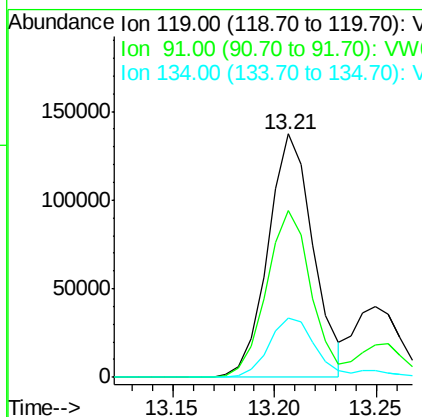
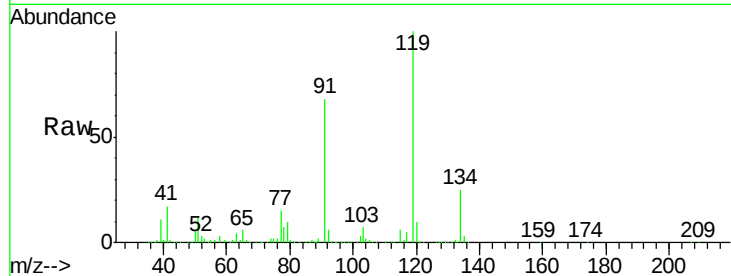
#83
 tert-Butylbenzene
 Concen: 18.610 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.4	103.2
134	24.9	12.7	38.1

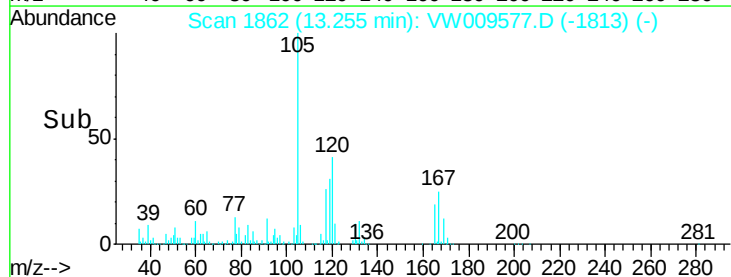
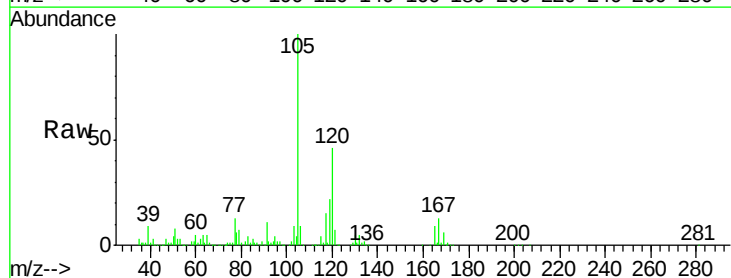
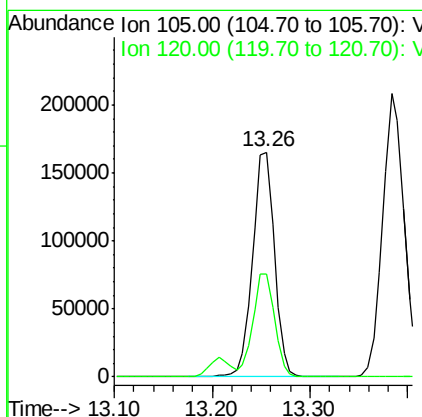
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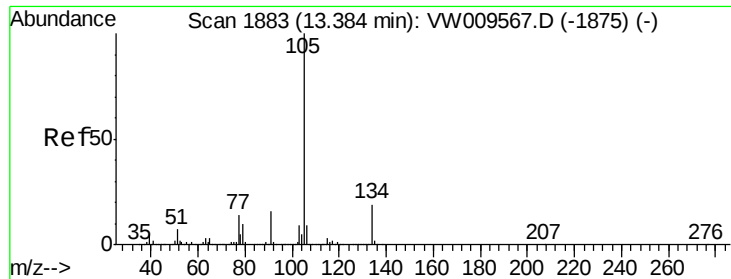
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.829 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3





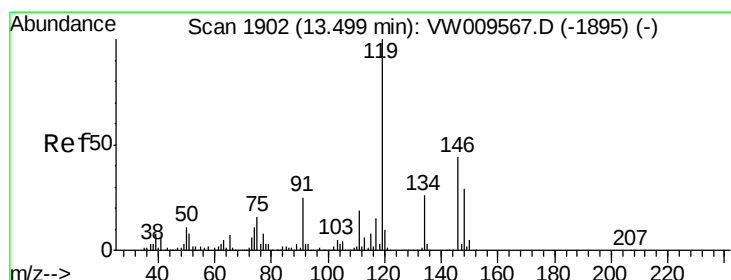
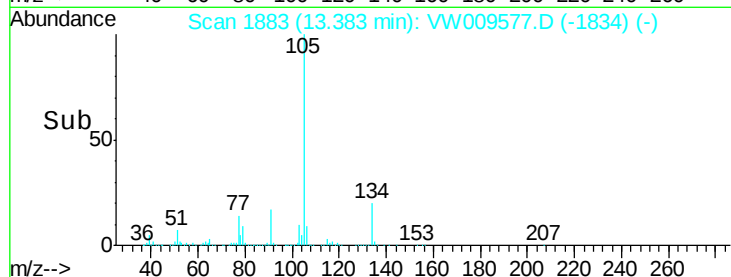
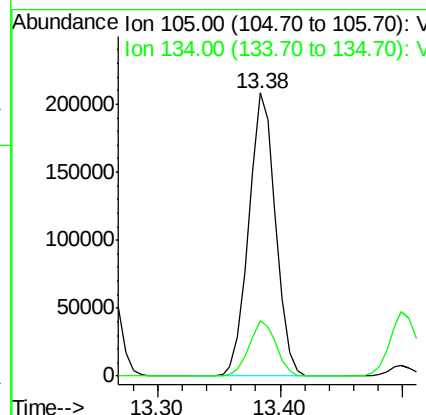
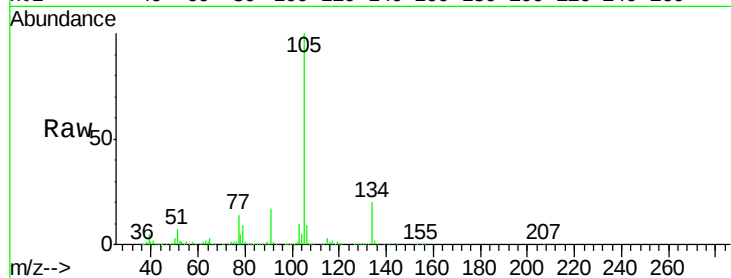
#85
 sec-Butylbenzene
 Concen: 18.458 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.2	30.6

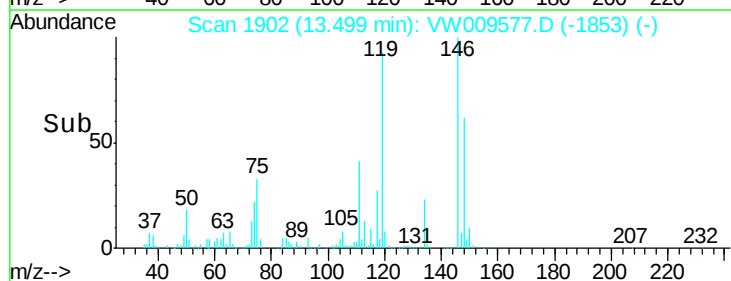
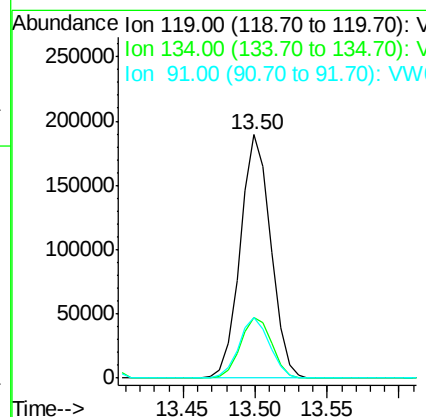
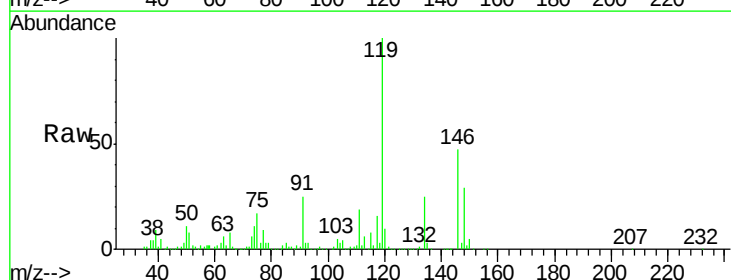
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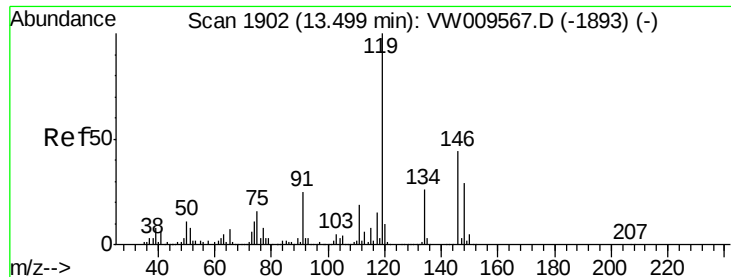
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#86
 p-Isopropyltoluene
 Concen: 18.604 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.1	39.3
91	24.9	12.3	36.8





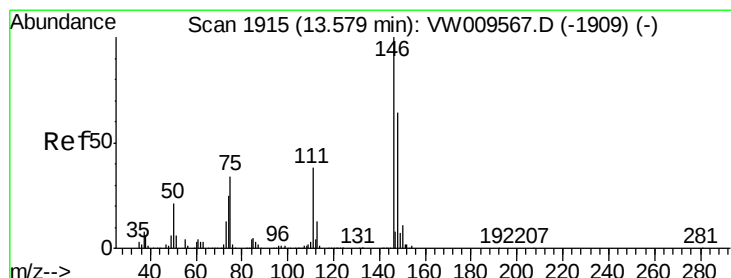
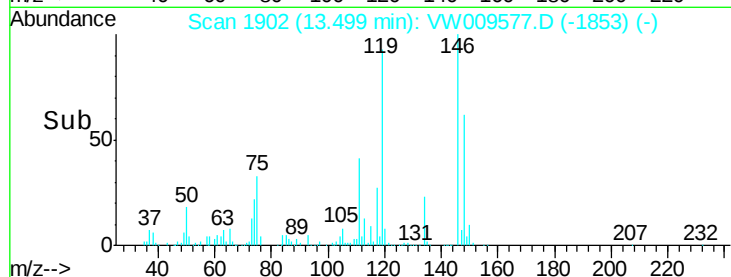
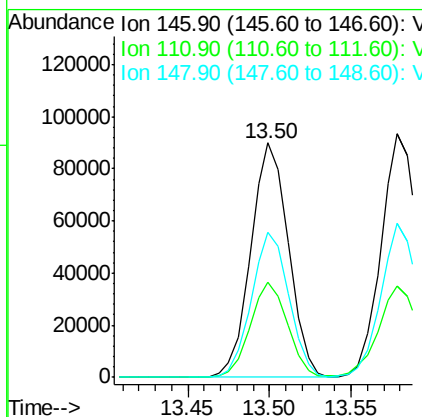
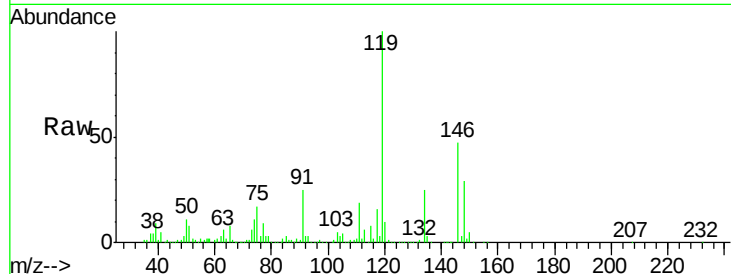
#87
 1,3-Dichlorobenzene
 Concen: 19.050 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	61.8	31.4	94.3

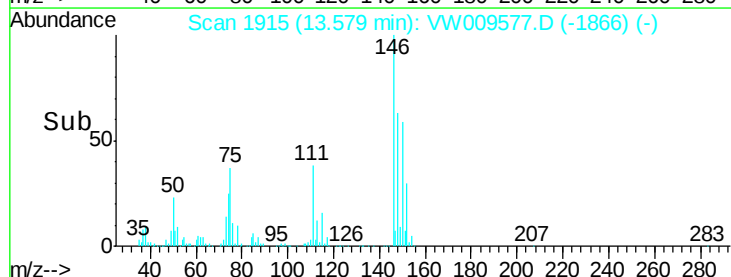
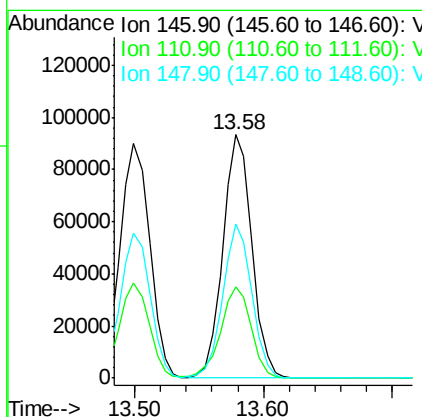
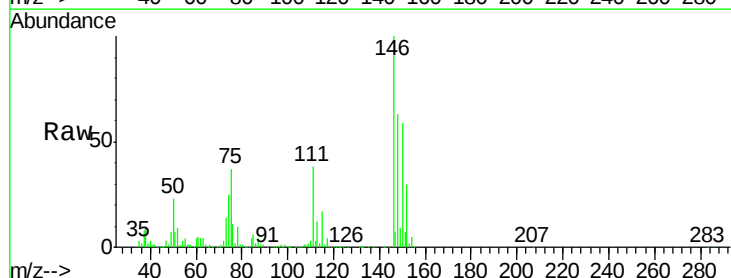
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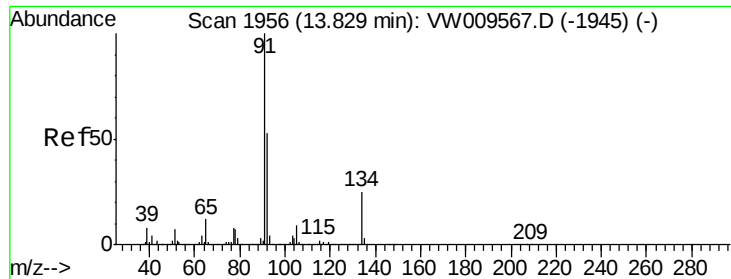
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#88
 1,4-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	63.6	32.2	96.6





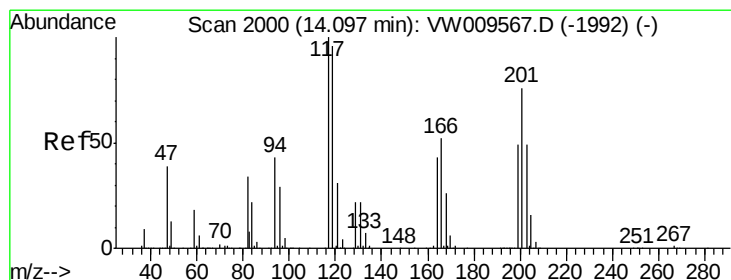
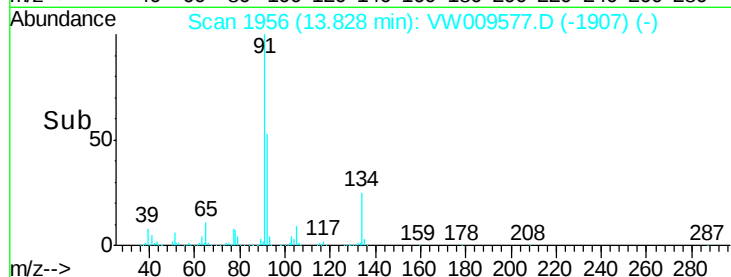
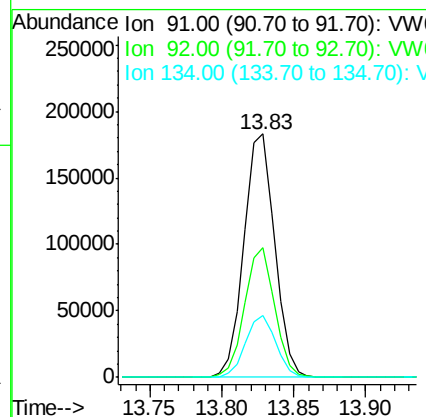
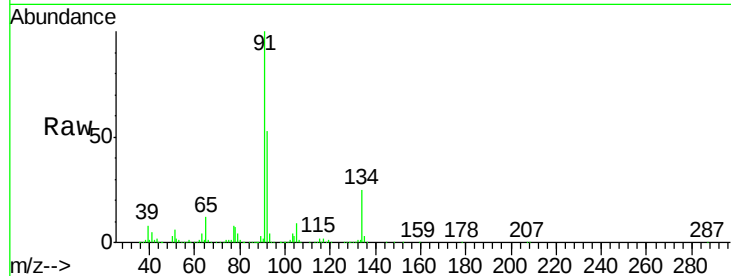
#89
n-Butylbenzene
Concen: 18.423 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.0
134	24.8	12.9	38.6

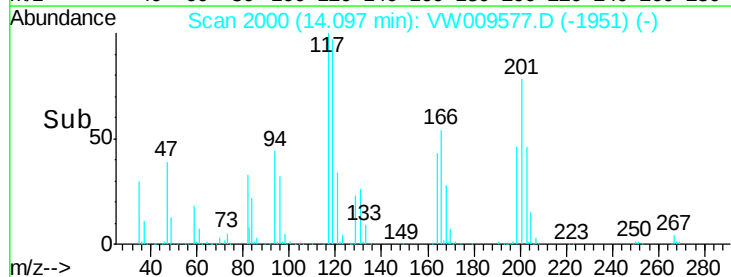
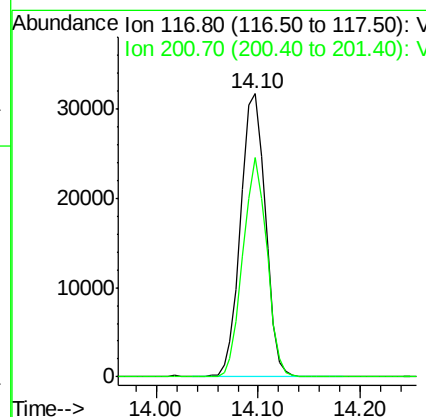
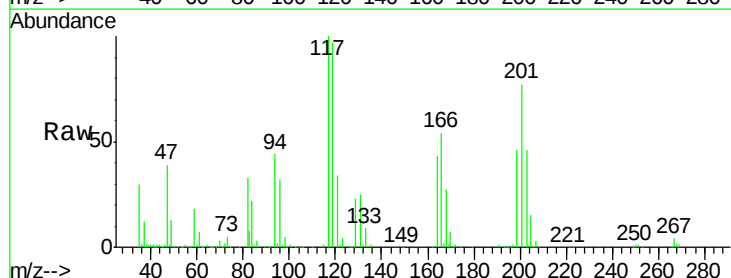
Manual Integrations
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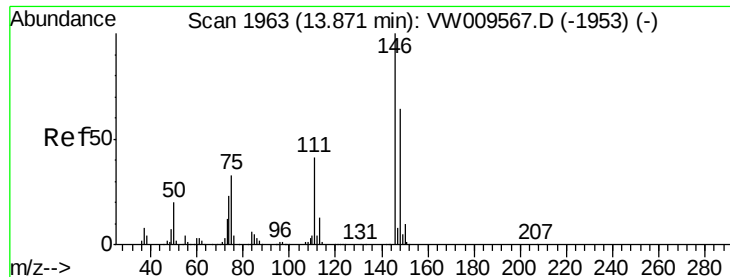
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#90
Hexachloroethane
Concen: 18.697 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	38.2	114.6





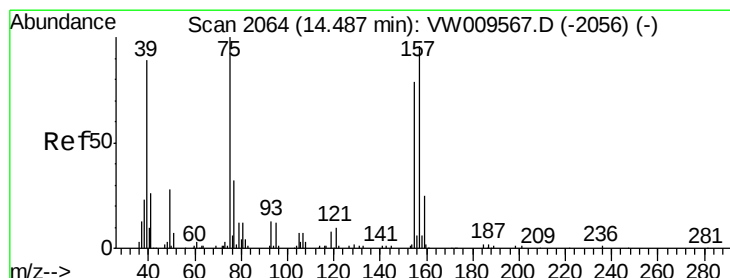
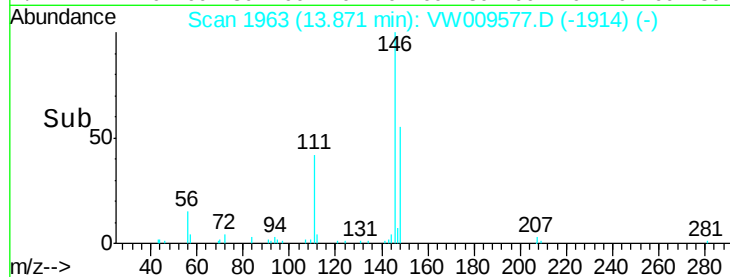
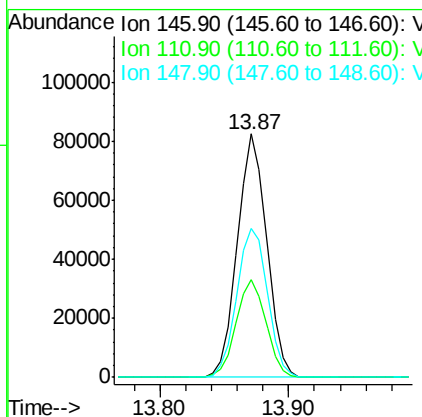
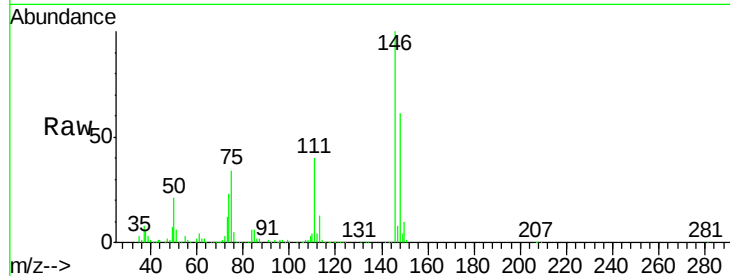
#91
 1,2-Dichlorobenzene
 Concen: 19.277 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.2
148	63.9	31.9	95.9

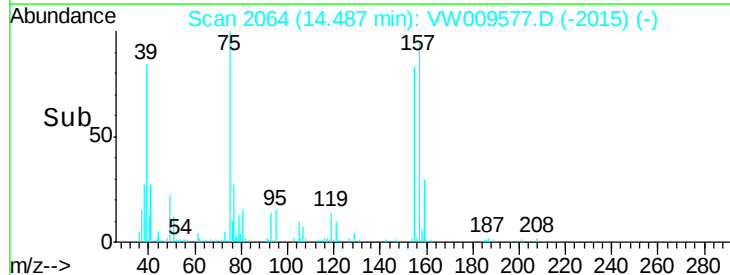
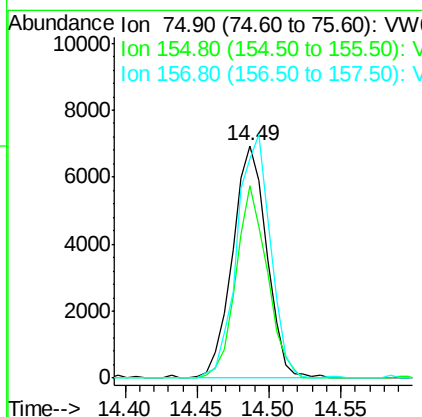
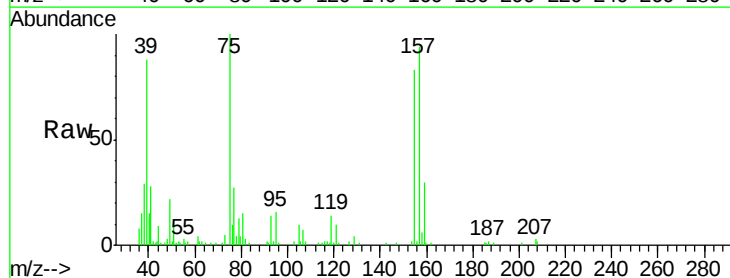
Manual Integrations
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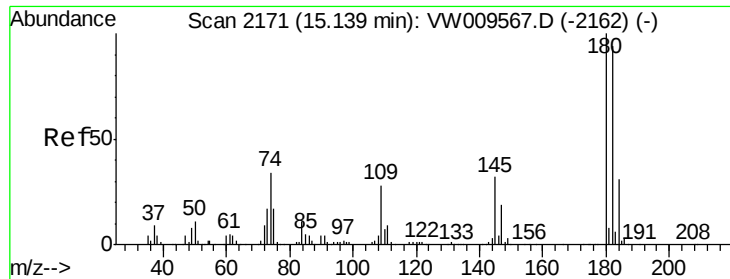
MMDadoda
 4/1/2019 4:04:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.015 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009577.D
 Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	39.3	117.8
157	101.1	49.5	148.5





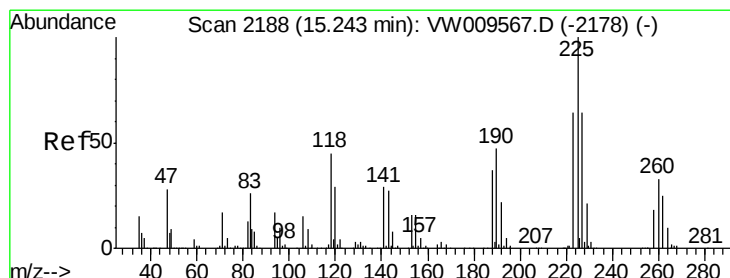
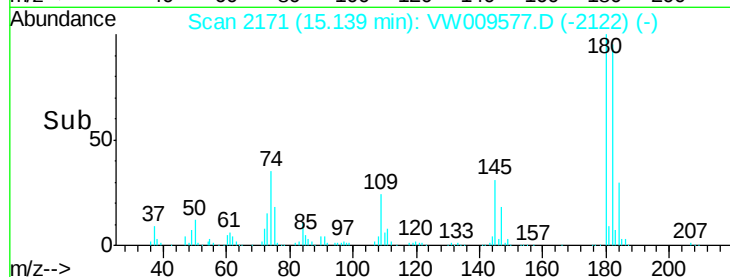
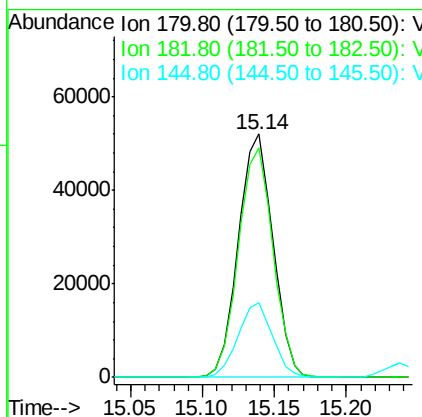
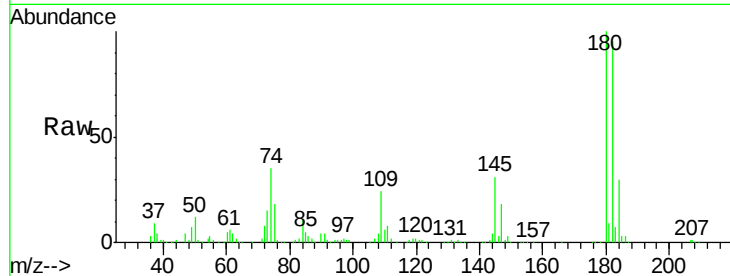
#93
1,2,4-Trichlorobenzene
Concen: 19.949 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86835		
182	94.5	47.9	143.7	
145	30.5	15.0	45.0	

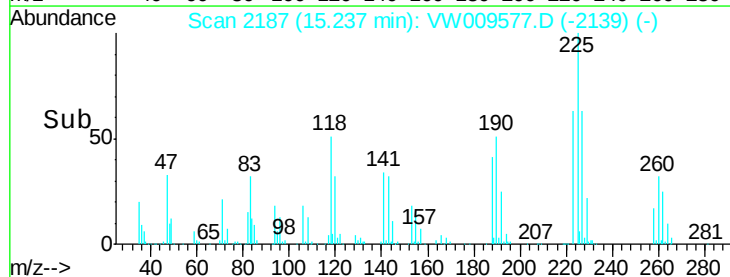
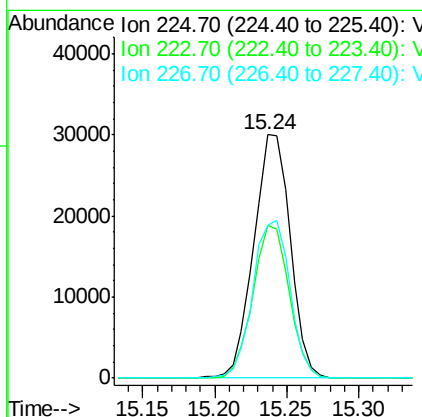
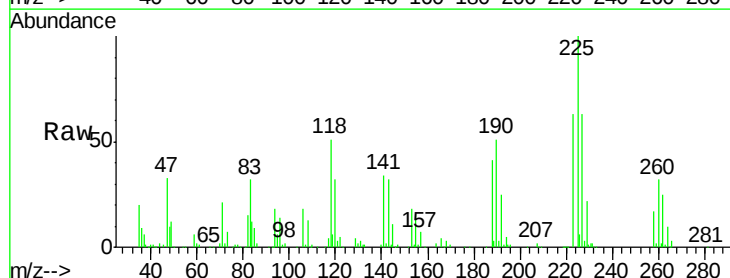
Manual Integrations
APPROVED

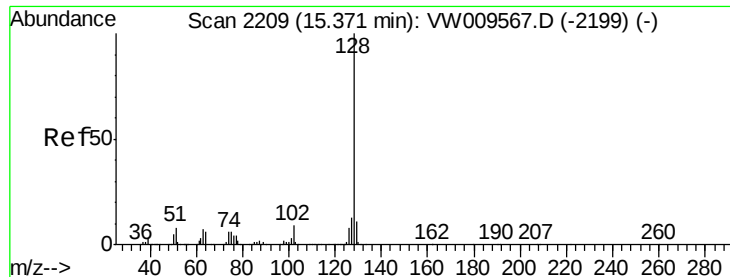
MMDadoda
4/1/2019 4:04:59 AM



#94
Hexachlorobutadiene
Concen: 18.814 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW009577.D
Acq: 29 Mar 2019 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52592		
223	62.4	31.4	94.3	
227	65.8	32.1	96.5	





#95

Naphthalene

Concen: 20.043 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Instrument :

MSVOA_W

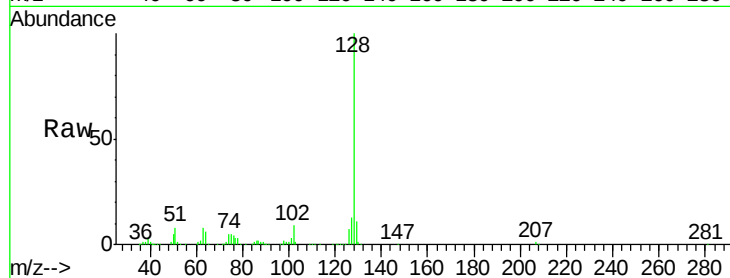
ClientSampleId :

VW0329SBS01

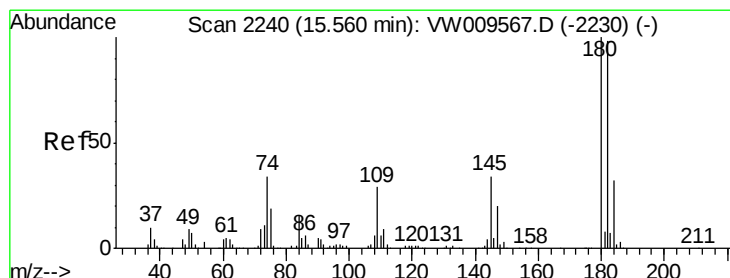
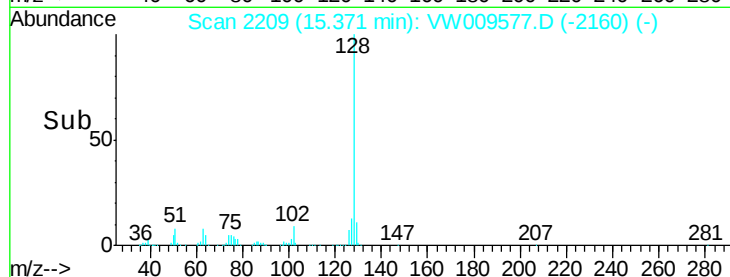
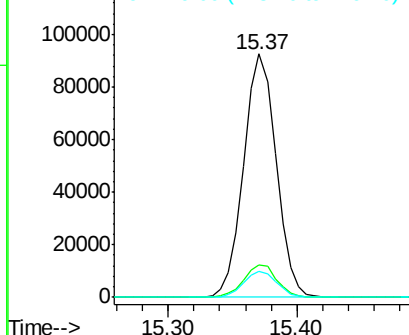
Tot Ion:	128	Resp:	162056
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.8	16.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.008 ug/l

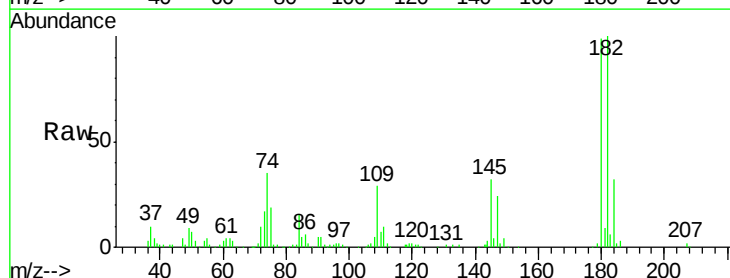
RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009577.D

Acq: 29 Mar 2019 17:47

Tgt Ion:	180	Resp:	77808
Ion Ratio	Lower	Upper	
180	100		
182	98.3	47.3	141.9
145	34.4	16.0	48.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

