

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007825.D
 Acq On : 22 Dec 2018 07:05
 Operator : SY/AP
 Sample : VW1223SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:00:12 AM

Quant Time: Dec 24 00:04:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	64956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	108291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	40589	57.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.02%	
35) Dibromofluoromethane	7.88	113	35541	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
50) Toluene-d8	10.32	98	137478	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	
62) 4-Bromofluorobenzene	12.62	95	53360	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	9850	17.058	ug/l	95
3) Chloromethane	2.22	50	9489	26.761	ug/l	99
4) Vinyl Chloride	2.37	62	11316	25.070	ug/l	96
5) Bromomethane	2.78	94	7413	23.579	ug/l	99
6) Chloroethane	2.93	64	5960	24.681	ug/l	93
7) Trichlorofluoromethane	3.26	101	8207	17.464	ug/l	94
8) Diethyl Ether	3.67	74	7386	25.661	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14394	20.798	ug/l	99
10) Methyl Iodide	4.26	142	23217	21.095	ug/l	97
11) Tert butyl alcohol	5.17	59	6962	144.962	ug/l	99
12) 1,1-Dichloroethene	4.03	96	13740	21.440	ug/l	94
13) Acrolein	3.89	56	4420	115.104	ug/l	93
14) Allyl chloride	4.67	41	18939	22.535	ug/l	93
15) Acrylonitrile	5.37	53	16780	136.667	ug/l	100
16) Acetone	4.13	43	14210	106.587	ug/l	90
17) Carbon Disulfide	4.38	76	37074	18.694	ug/l	99
18) Methyl Acetate	4.67	43	9063	28.584	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	24489	26.617	ug/l	95
20) Methylene Chloride	4.91	84	16901	21.792	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	15056	21.361	ug/l	98
22) Diisopropyl ether	6.32	45	38843	24.683	ug/l	96
23) Vinyl Acetate	6.26	43	114859	122.851	ug/l	98
24) 1,1-Dichloroethane	6.21	63	26253	22.678	ug/l	98
25) 2-Butanone	7.17	43	20447	130.940	ug/l	97
26) 2,2-Dichloropropane	7.17	77	15168	17.905	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	16665	22.193	ug/l	99
28) Bromochloromethane	7.51	49	8889	22.520	ug/l	96
29) Tetrahydrofuran	7.53	42	13581	145.806	ug/l	94
30) Chloroform	7.68	83	27206	20.766	ug/l	94
31) Cyclohexane	7.95	56	23351	22.033	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	24071	20.174	ug/l	99
36) 1,1-Dichloropropene	8.08	75	20975	20.068	ug/l	99
37) Ethyl Acetate	7.25	43	9325	25.852	ug/l	97
38) Carbon Tetrachloride	8.07	117	21730	17.653	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26069	20.072	ug/l	93
40) Benzene	8.32	78	59371	21.287	ug/l	99
41) Methacrylonitrile	7.49	41	5469	26.705	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19785	21.168	ug/l	99
43) Isopropyl Acetate	8.43	43	18857	26.093	ug/l	97
44) Trichloroethene	9.09	130	17483	20.728	ug/l	100
45) 1,2-Dichloropropane	9.37	63	14230	22.993	ug/l	97
46) Dibromomethane	9.46	93	8429	22.126	ug/l	96
47) Bromodichloromethane	9.64	83	19227	19.198	ug/l	96
48) Methyl methacrylate	9.44	41	9781m	27.115	ug/l	
49) 1,4-Dioxane	9.45	88	3278	542.716	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	45170	132.256	ug/l	99
52) Toluene	10.39	92	39034	20.859	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	20096	20.173	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	22287	20.254	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	11806	22.479	ug/l	97
56) Ethyl methacrylate	10.65	69	15336	24.715	ug/l	97
57) 1,3-Dichloropropane	10.93	76	20745	23.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	37862	133.641	ug/l	98
59) 2-Hexanone	10.97	43	31615	131.625	ug/l	99
60) Dibromochloromethane	11.13	129	13162	18.928	ug/l	99
61) 1,2-Dibromoethane	11.24	107	12223	22.982	ug/l	99
64) Tetrachloroethene	10.86	164	15837	22.612	ug/l	94
65) Chlorobenzene	11.66	112	44683	20.873	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	14891	19.467	ug/l	97
67) Ethyl Benzene	11.73	91	77318	21.047	ug/l	99
68) m/p-Xylenes	11.84	106	59822	41.980	ug/l	100
69) o-Xylene	12.17	106	28285	21.175	ug/l	99
70) Styrene	12.18	104	47248	21.518	ug/l	98
71) Bromoform	12.35	173	7351	18.512	ug/l #	97
73) Isopropylbenzene	12.47	105	80071	21.484	ug/l	99
74) N-amyl acetate	12.27	43	17189	26.626	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	13397	23.974	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10539m	27.654	ug/l	
77) Bromobenzene	12.75	156	18011	21.086	ug/l	94
78) n-propylbenzene	12.81	91	92357	21.288	ug/l	100
79) 2-Chlorotoluene	12.90	91	54490	21.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	69446	21.602	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3817	21.024	ug/l	96
82) 4-Chlorotoluene	12.99	91	56722	21.078	ug/l	99
83) tert-Butylbenzene	13.21	119	61394	21.765	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	70337	21.682	ug/l	99
85) sec-Butylbenzene	13.39	105	84654	21.776	ug/l	98
86) p-Isopropyltoluene	13.50	119	74648	21.117	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	35907	21.173	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	35667	21.025	ug/l	99
89) n-Butylbenzene	13.83	91	66674	20.571	ug/l	99
90) Hexachloroethane	14.10	117	10982	17.695	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	32294	21.268	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2521	21.968	ug/l	94

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QLast Update : Thu Dec 20 06:30:23 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	22148	21.013	ug/l	99
94) Hexachlorobutadiene	15.24	225	11717	20.801	ug/l	100
95) Naphthalene	15.37	128	48821	25.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	19953	22.115	ug/l	99

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

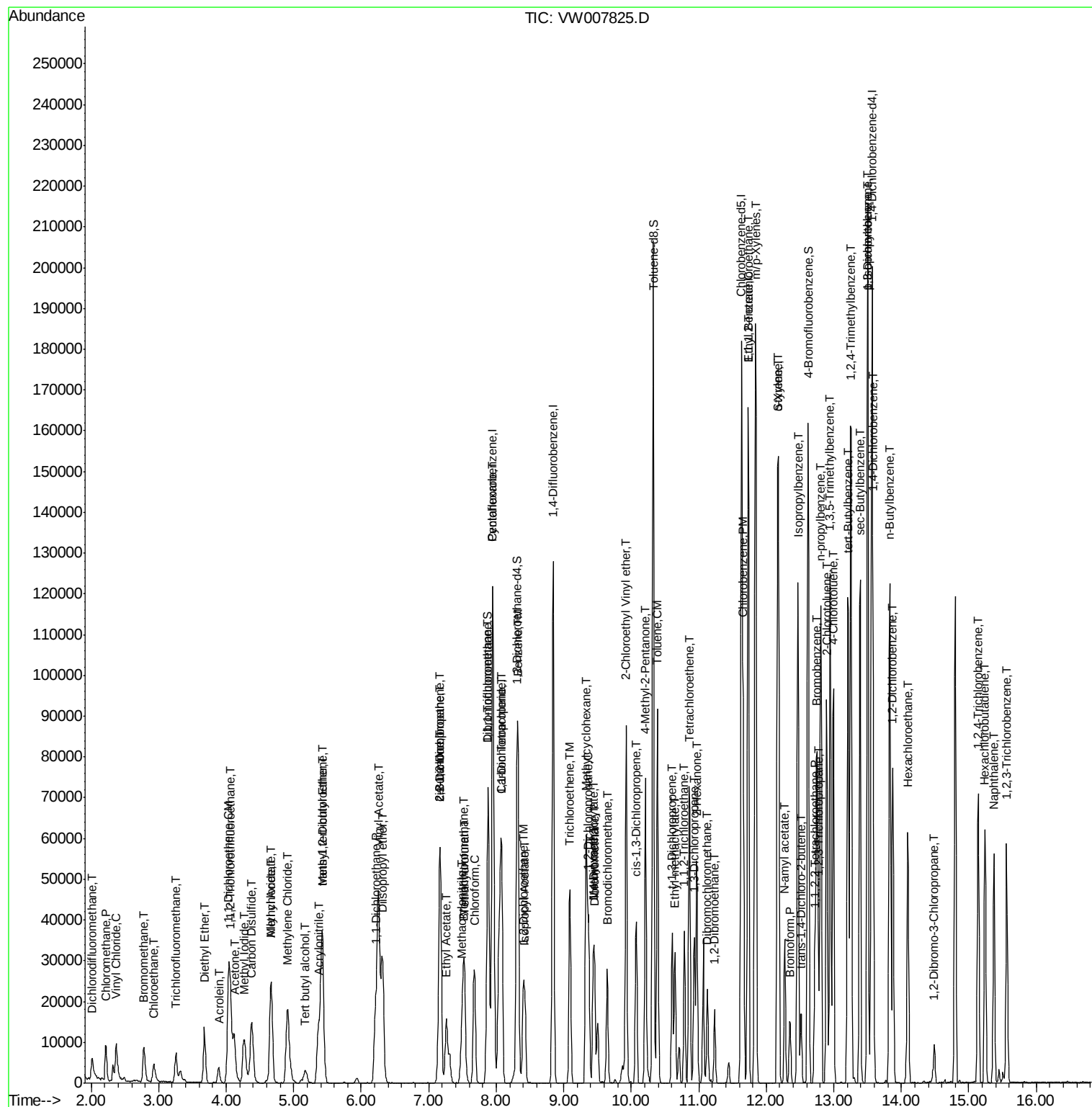
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 Data File : VW007825.D
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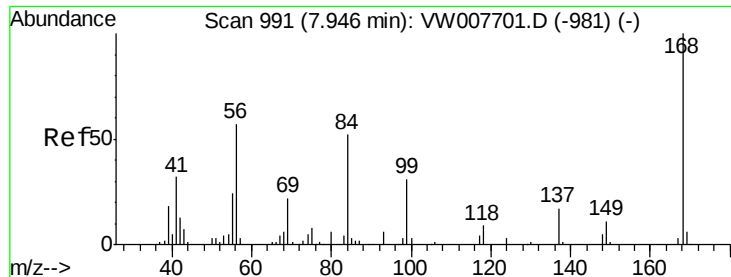
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Manual Integrations
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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: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion:168 Resp: 64956

Ion Ratio Lower Upper

168 100

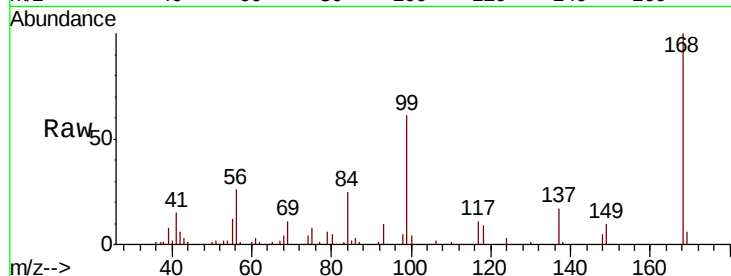
99 61.2 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

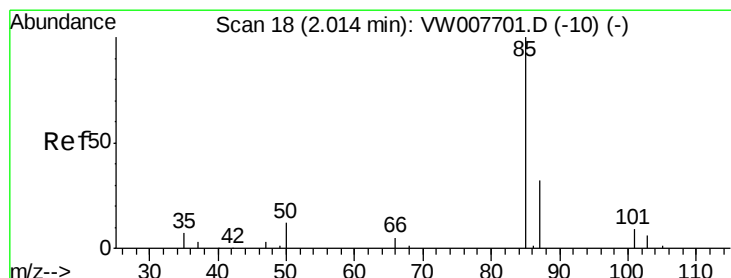
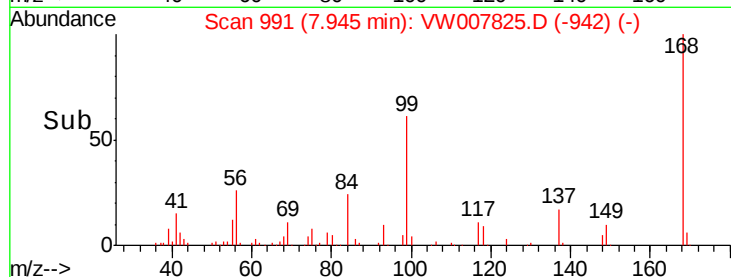
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 17.058 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007825.D

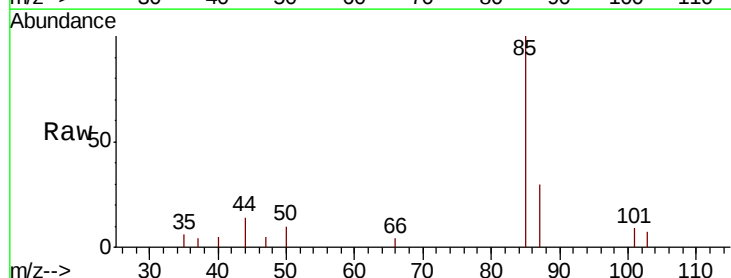
Acq: 22 Dec 2018 07:05

Tgt Ion: 85 Resp: 9850

Ion Ratio Lower Upper

85 100

87 29.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

3000

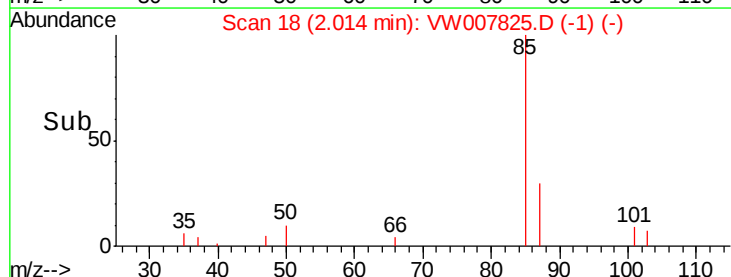
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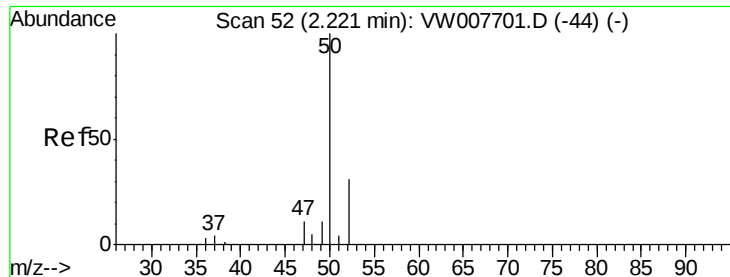
1000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 26.761 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 50 Resp: 9489

Ion Ratio Lower Upper

50 100

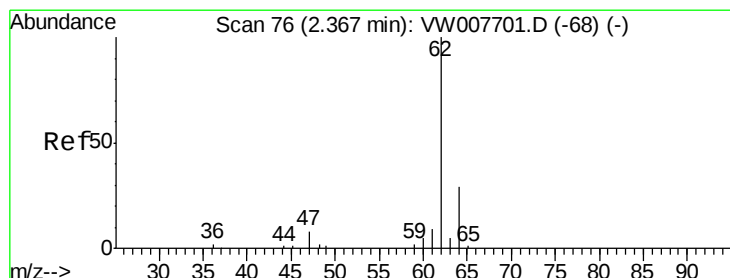
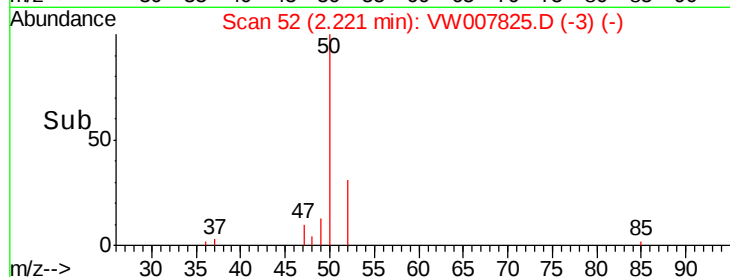
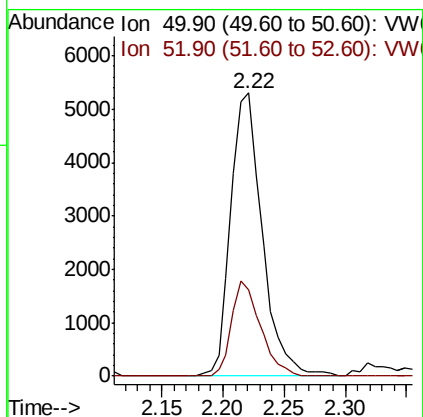
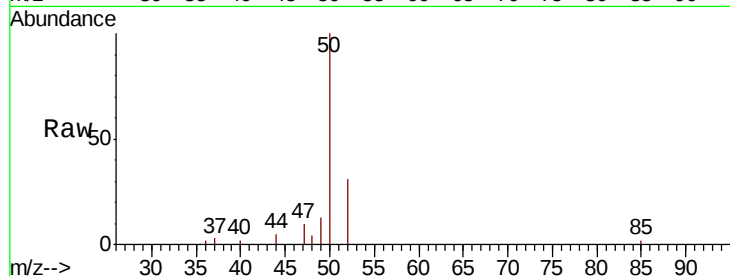
52 30.6 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 25.070 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007825.D

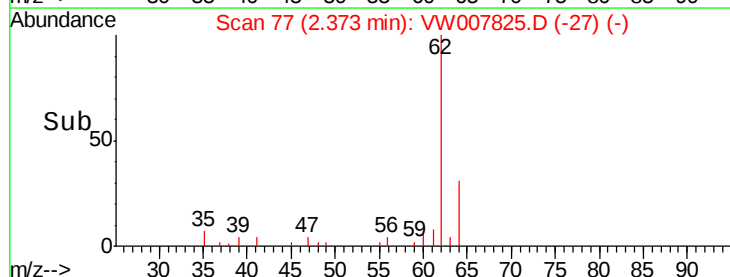
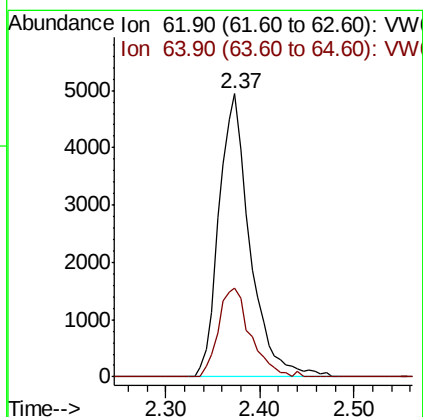
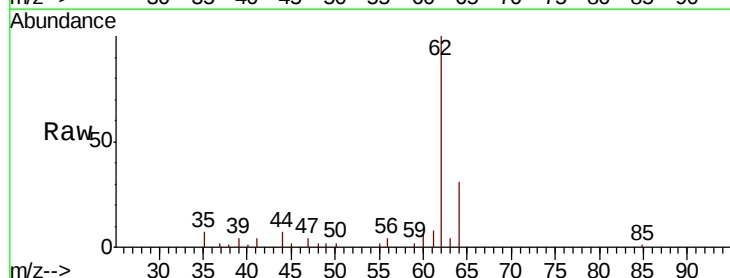
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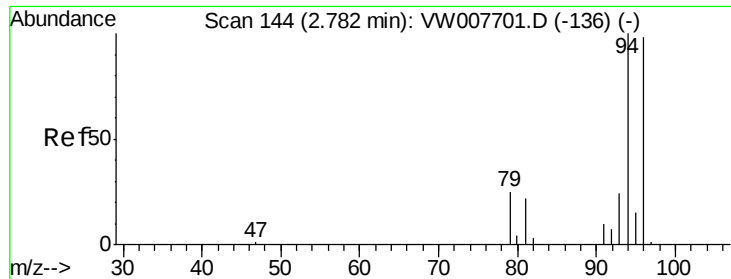
Tgt Ion: 62 Resp: 11316

Ion Ratio Lower Upper

62 100

64 31.4 23.4 35.0





#5

Bromomethane

Concen: 23.579 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 7413

Ion Ratio Lower Upper

94 100

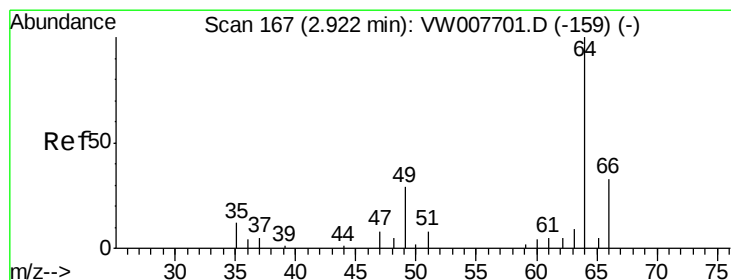
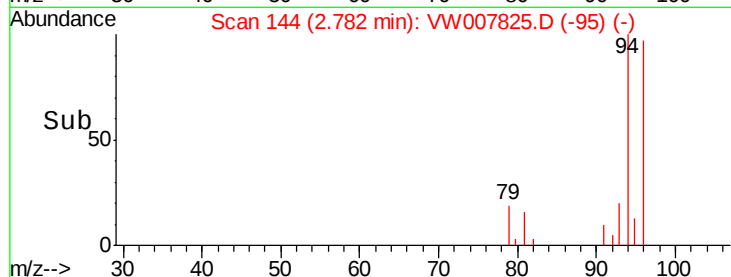
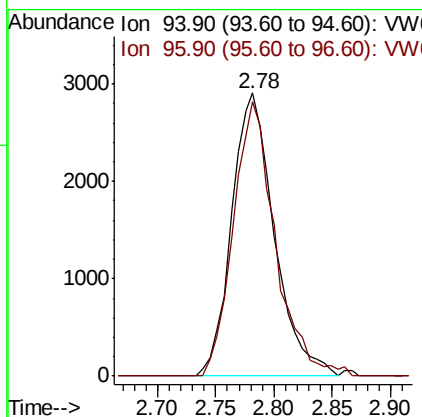
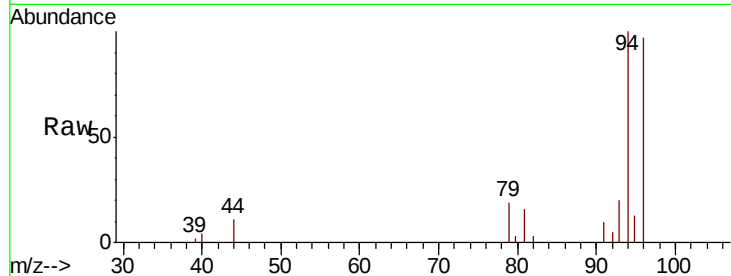
96 96.8 78.2 117.2

Manual Integrations

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12/26/2018 11:00:12 AM



#6

Chloroethane

Concen: 24.681 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007825.D

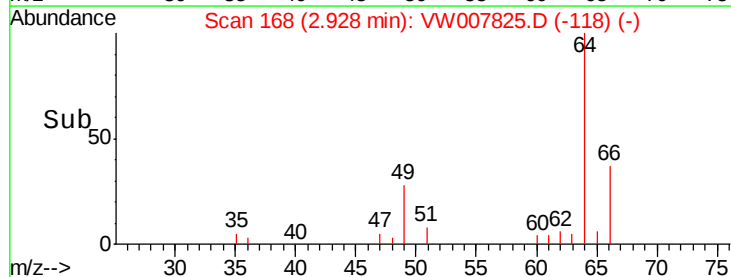
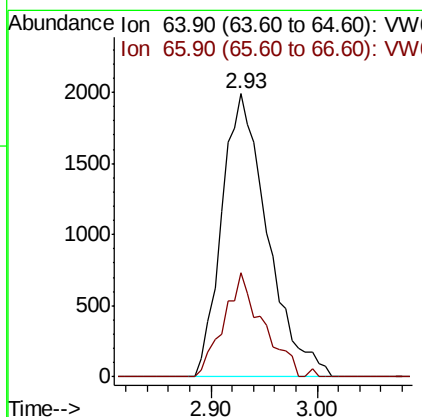
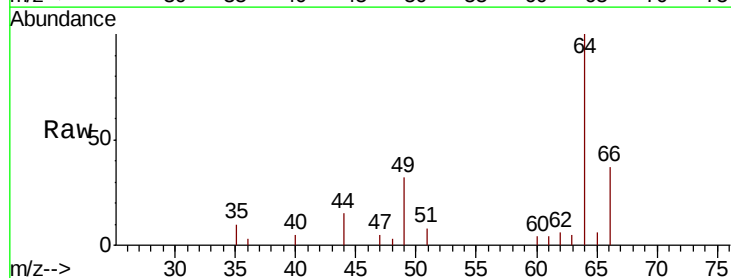
Acq: 22 Dec 2018 07:05

Tgt Ion: 64 Resp: 5960

Ion Ratio Lower Upper

64 100

66 36.8 26.2 39.4





#7

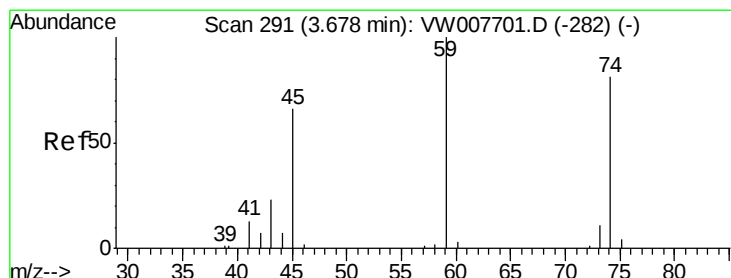
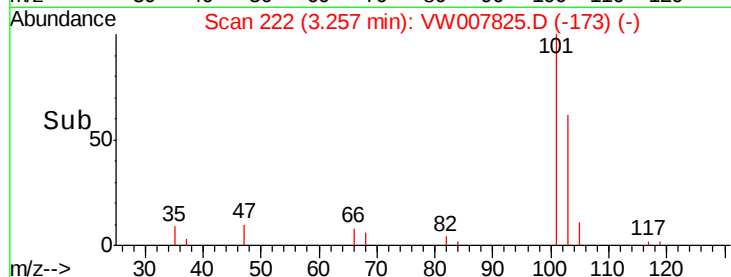
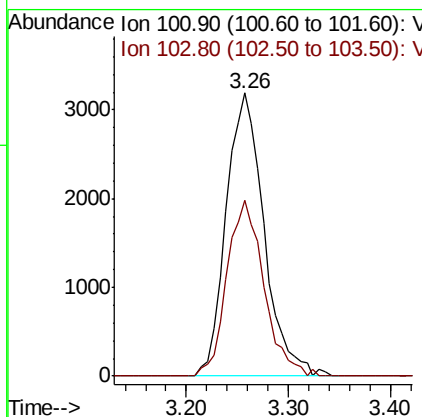
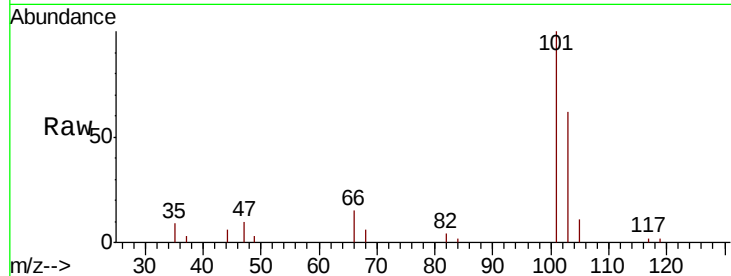
Trichlorofluoromethane
Concen: 17.464 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
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ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	53.4	80.2

Manual Integrations
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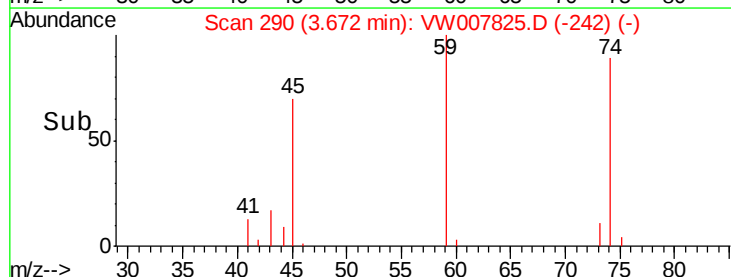
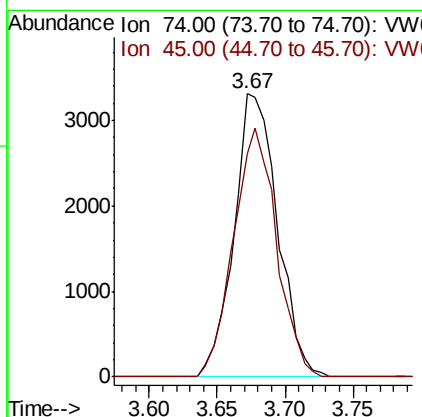
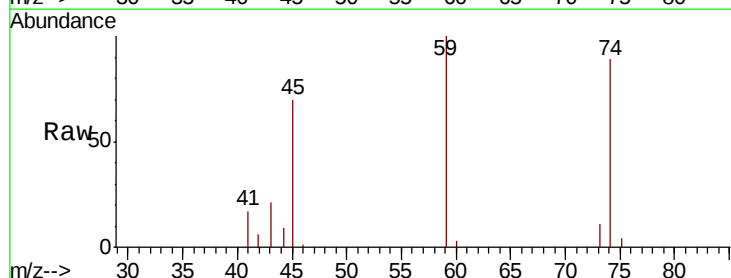
MMDadoda
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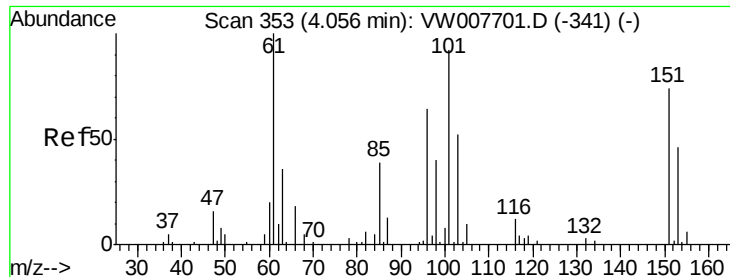


#8

Diethyl Ether
Concen: 25.661 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.0	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.798 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007825.D

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Instrument :

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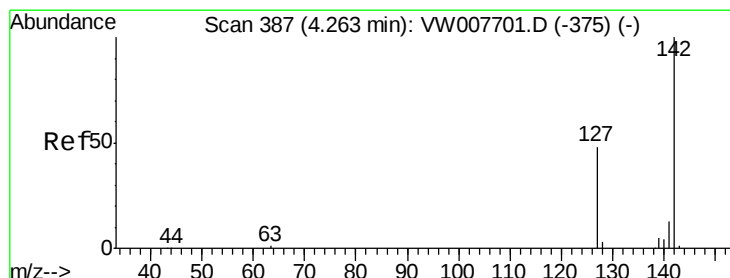
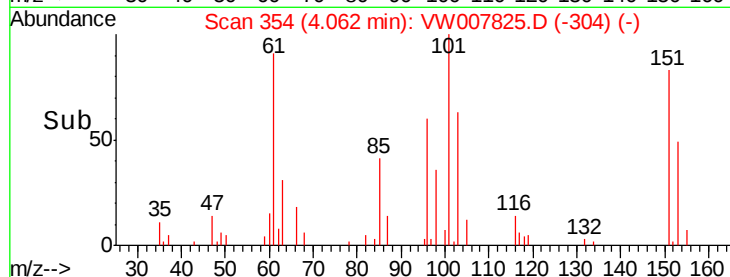
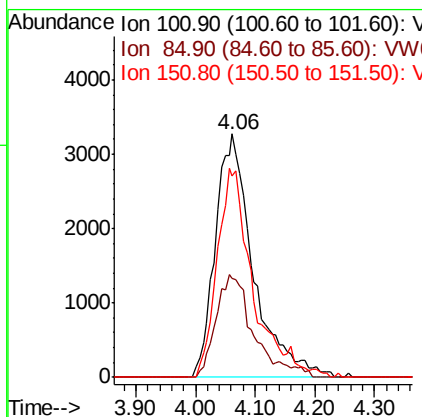
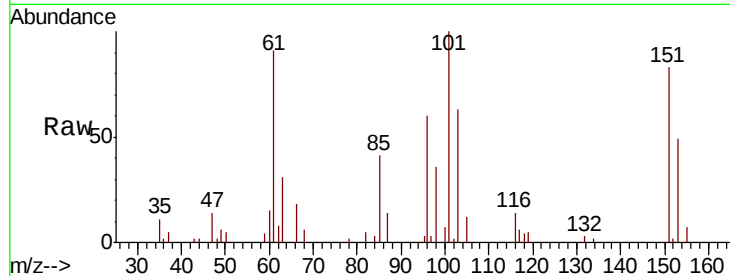
ClientSampleId :

VW1223SBS02

Tot Ion:	101	Resp:	14394
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.3	51.5
151	81.4	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.095 ug/l

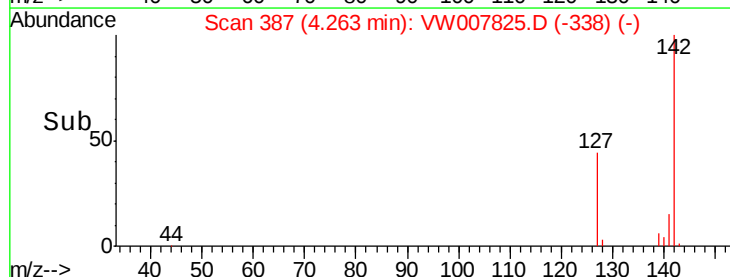
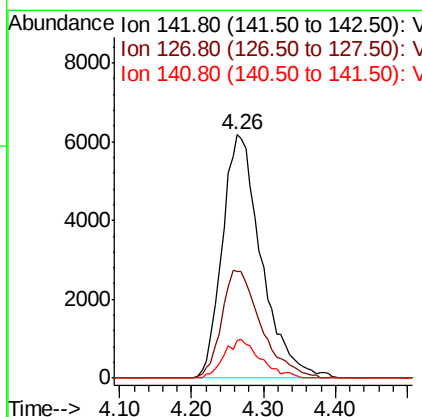
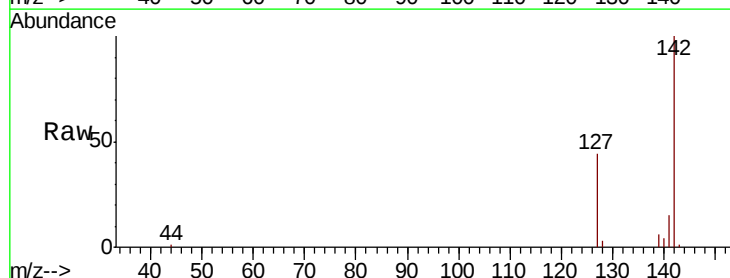
RT: 4.26 min Scan# 387

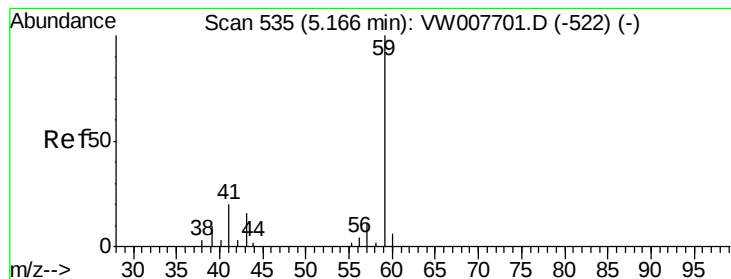
Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Tgt Ion:	142	Resp:	23217
Ion Ratio	Lower	Upper	
142	100		
127	44.9	37.7	56.5
141	14.8	11.5	17.3





#11

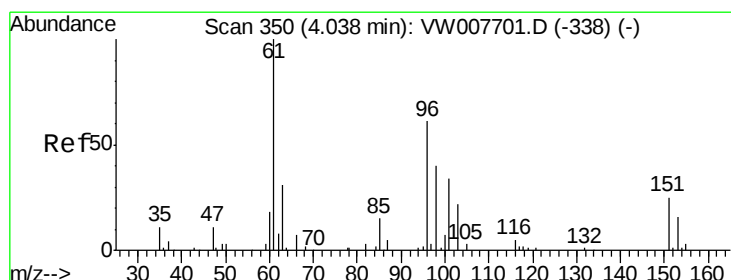
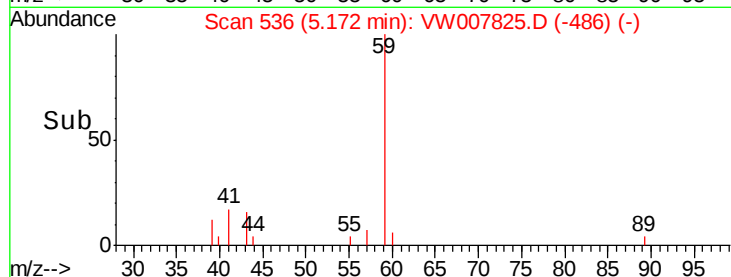
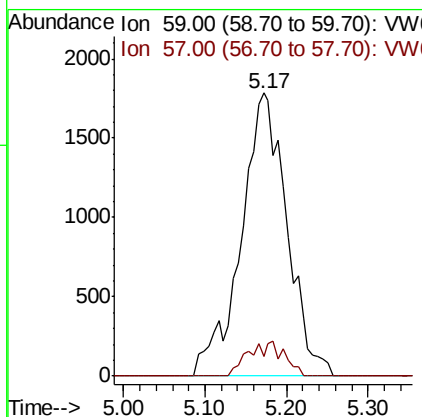
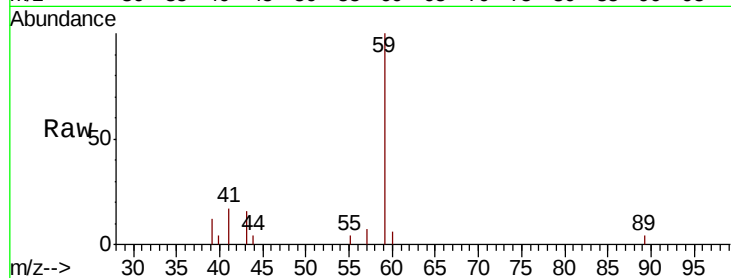
Tert butyl alcohol
 Concen: 144.962 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

Manual Integrations
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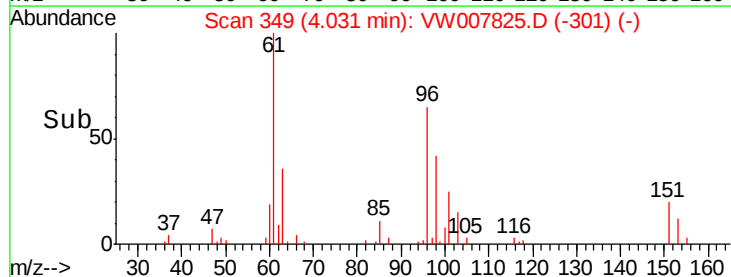
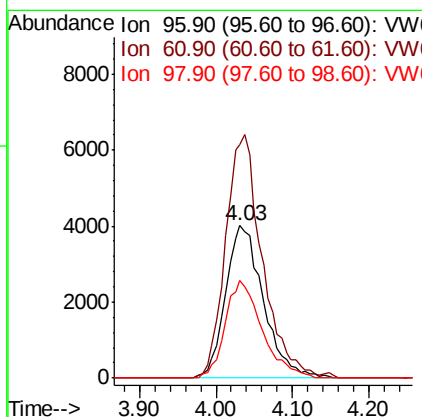
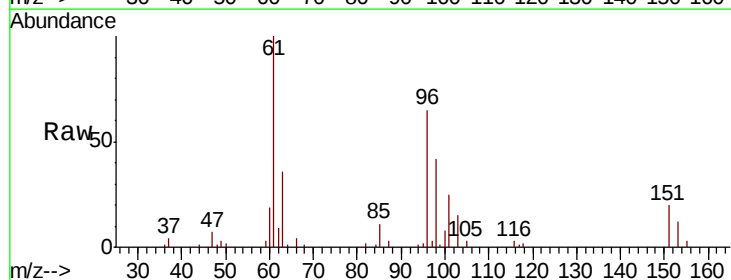
MMDadoda
 12/26/2018 11:00:12 AM

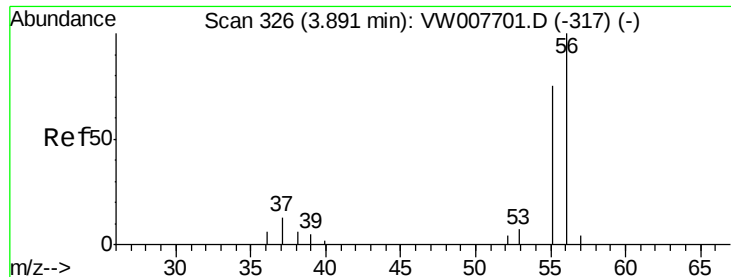


#12

1,1-Dichloroethene
 Concen: 21.440 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	130.6	195.8
98	64.4	52.3	78.5





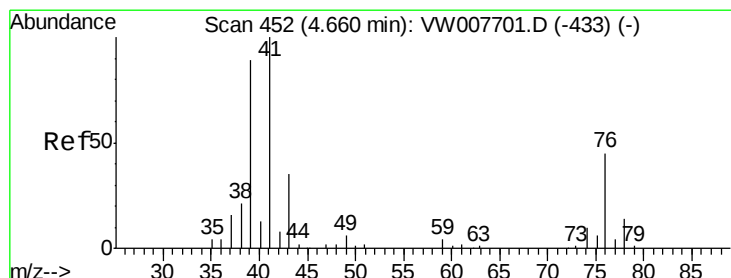
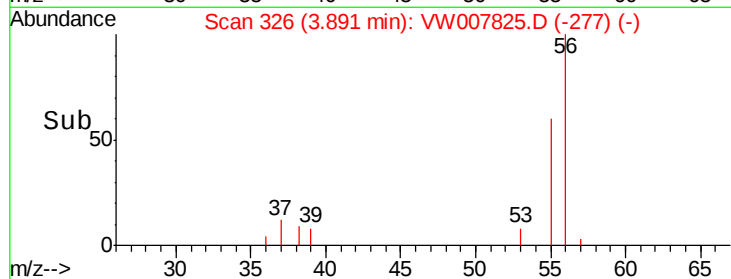
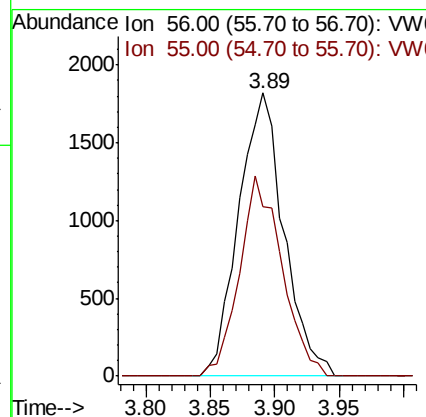
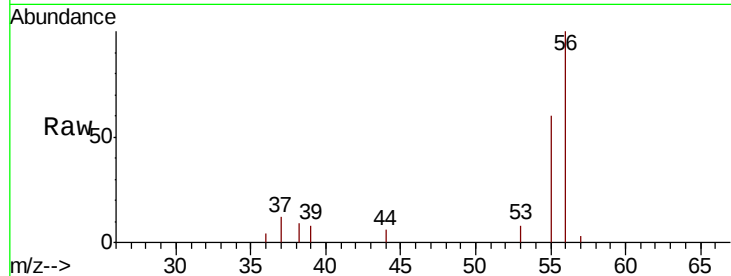
#13
Acrolein
Concen: 115.104 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 56 Resp: 4420
Ion Ratio Lower Upper
56 100
55 66.4 57.7 86.5

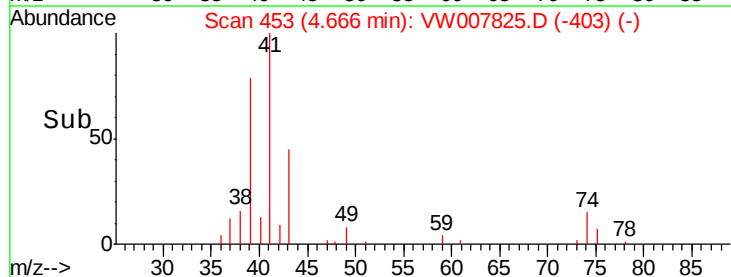
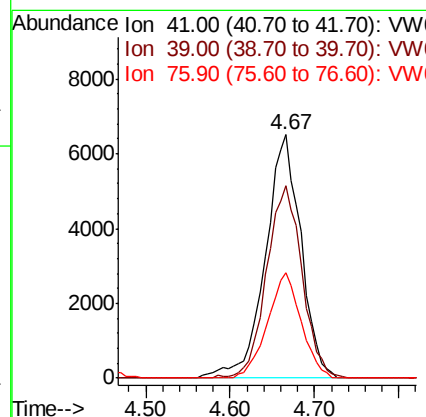
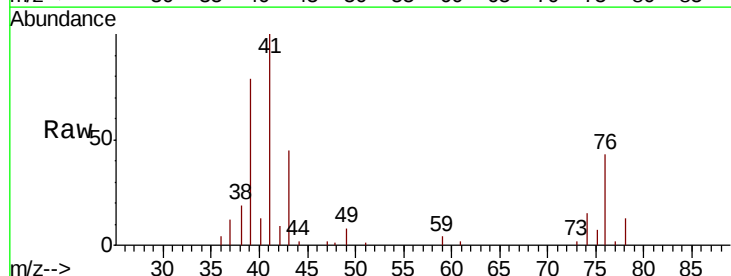
Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:00:12 AM



#14
Allyl chloride
Concen: 22.535 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 41 Resp: 18939
Ion Ratio Lower Upper
41 100
39 79.0 69.5 104.3
76 40.9 34.8 52.2





#15

Acrylonitrile

Concen: 136.667 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

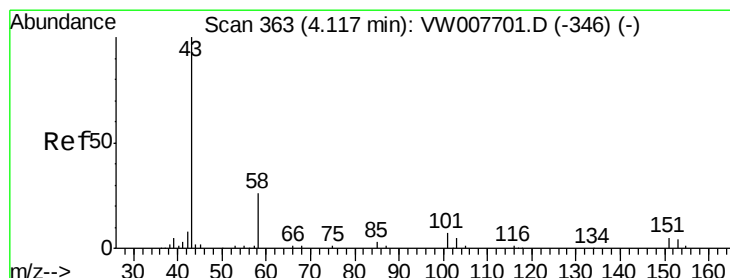
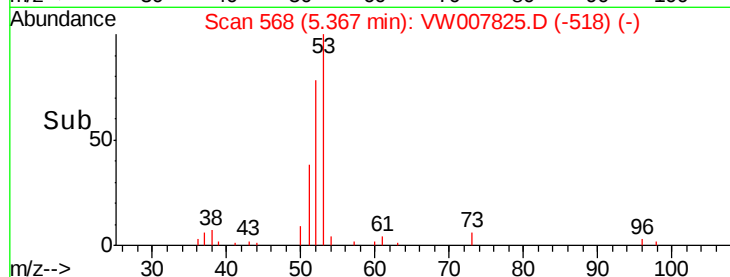
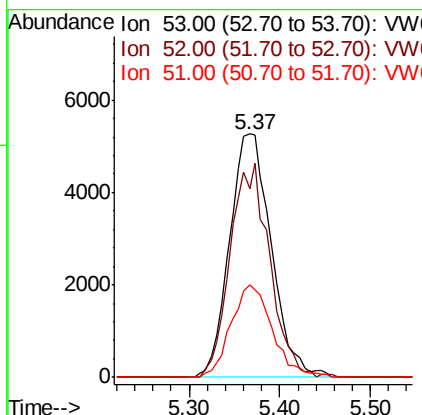
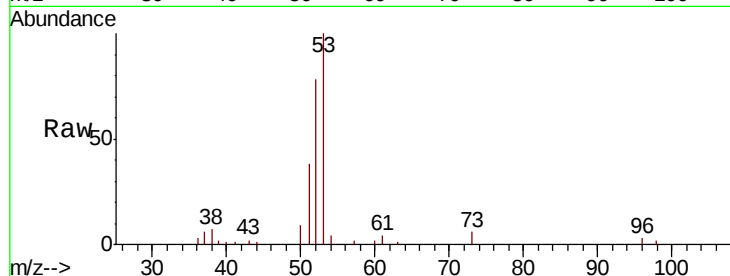
ClientSampleId :

VW1223SBS02

Tot Ion:	53	Resp:	16780
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.0	100.4
51	37.6	30.2	45.2

Manual Integrations
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MMDadoda
12/26/2018 11:00:12 AM



#16

Acetone

Concen: 106.587 ug/l

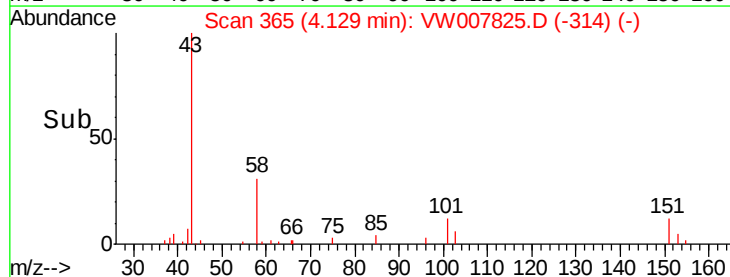
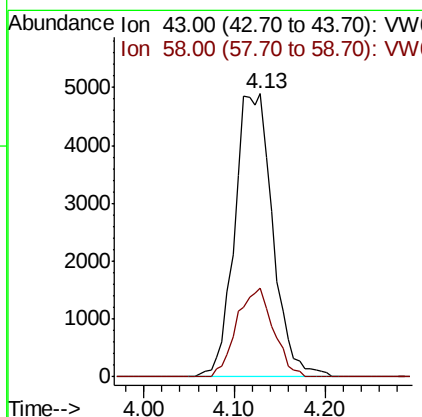
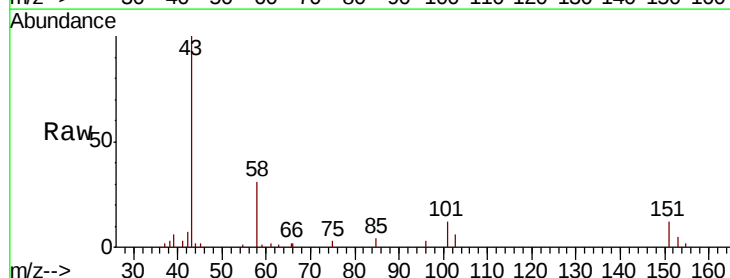
RT: 4.13 min Scan# 365

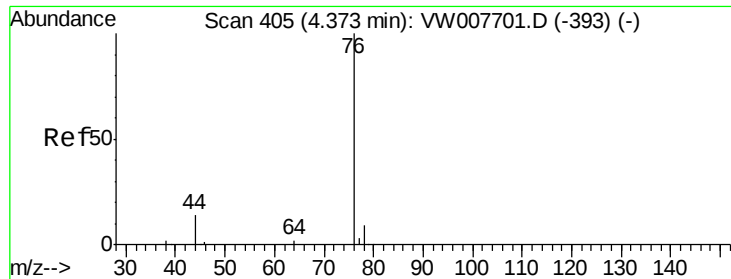
Delta R.T. 0.01 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Tgt Ion:	43	Resp:	14210
Ion	Ratio	Lower	Upper
43	100		
58	31.5	21.2	31.8





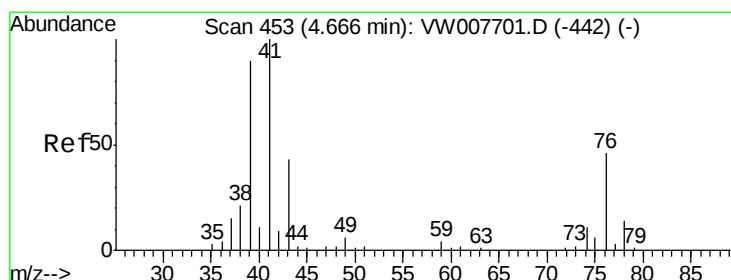
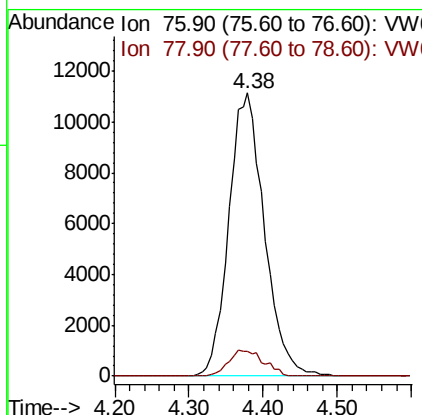
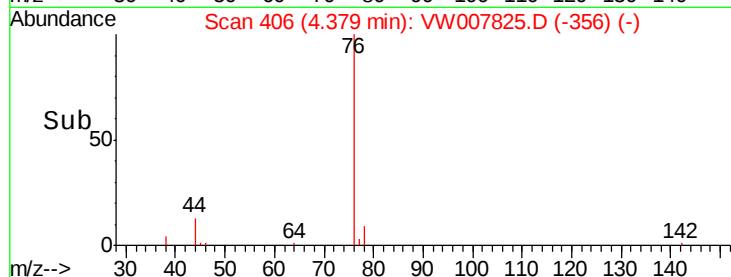
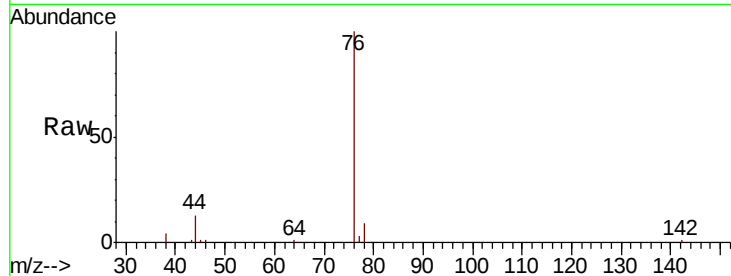
#17
Carbon Disulfide
Concen: 18.694 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 76 Resp: 37074
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9

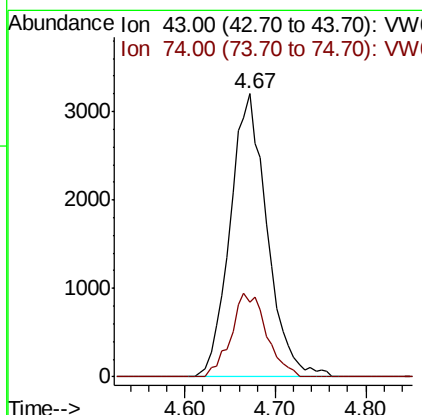
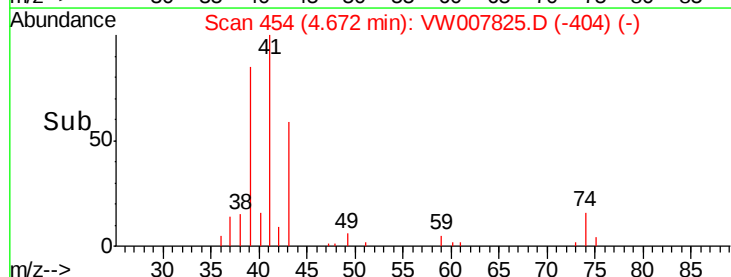
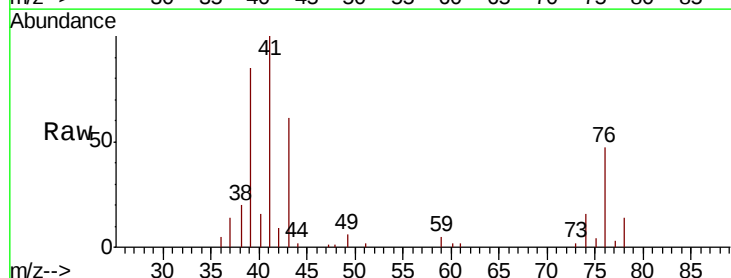
Manual Integrations
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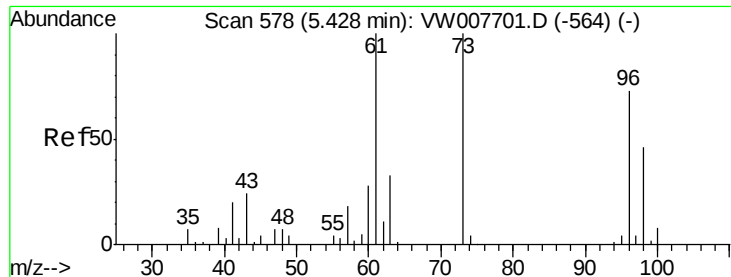
MMDadoda
12/26/2018 11:00:12 AM



#18
Methyl Acetate
Concen: 28.584 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 43 Resp: 9063
Ion Ratio Lower Upper
43 100
74 28.1 22.7 34.1





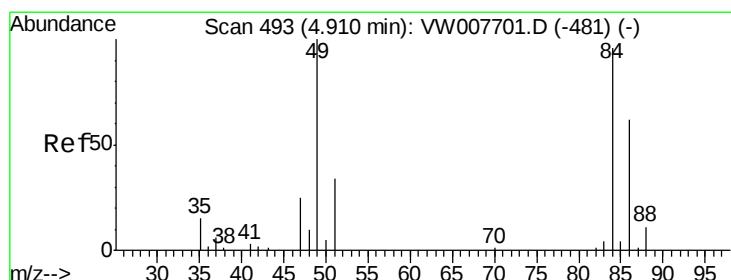
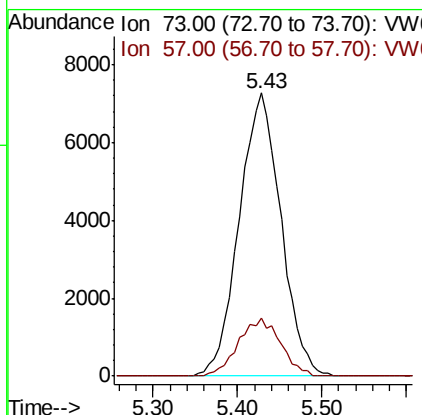
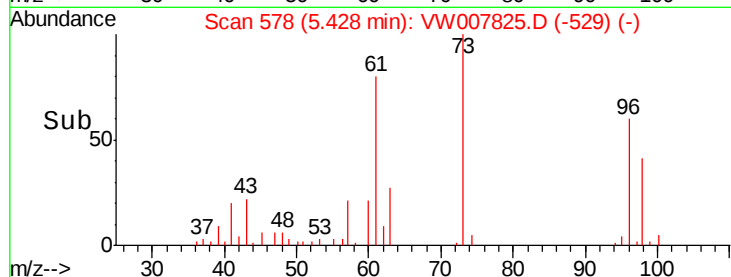
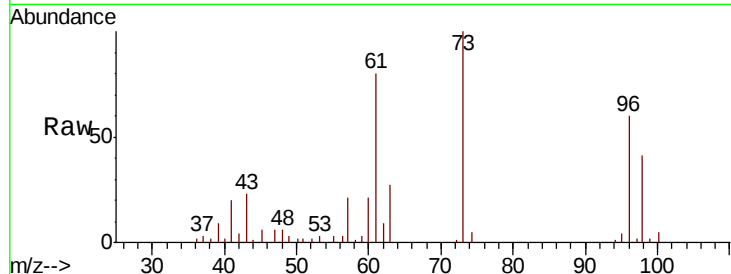
#19
Methvl tert-butvl Ether
Concen: 26.617 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 73 Resp: 24489
Ion Ratio Lower Upper
73 100
57 20.7 14.7 22.1

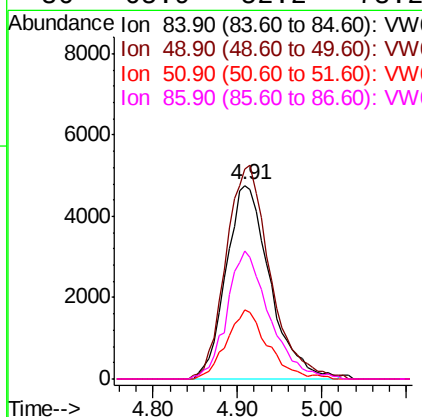
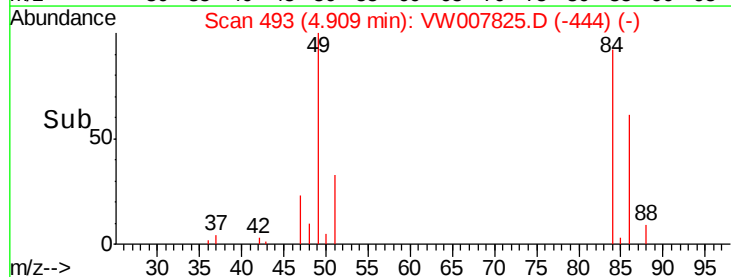
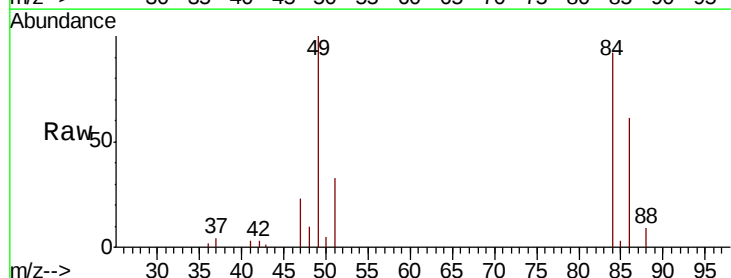
Manual Integrations
APPROVED

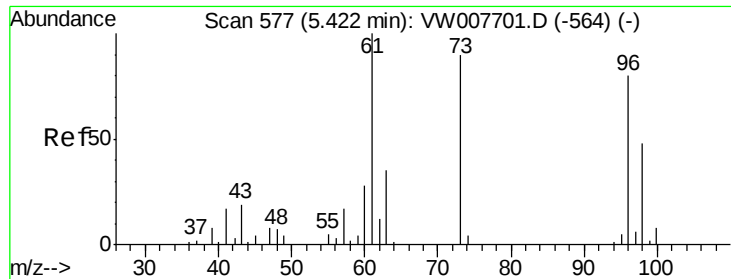
MMDadoda
12/26/2018 11:00:12 AM



#20
Methylene Chloride
Concen: 21.792 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 84 Resp: 16901
Ion Ratio Lower Upper
84 100
49 108.3 83.7 125.5
51 35.7 28.2 42.2
86 65.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 21.361 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 96 Resp: 15056

Ion Ratio Lower Upper

96 100

61 128.6 100.1 150.1

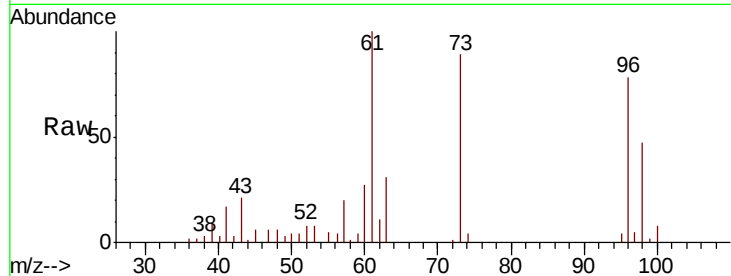
98 60.3 48.5 72.7

Manual Integrations

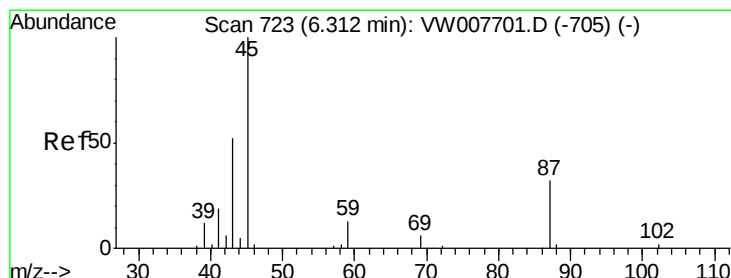
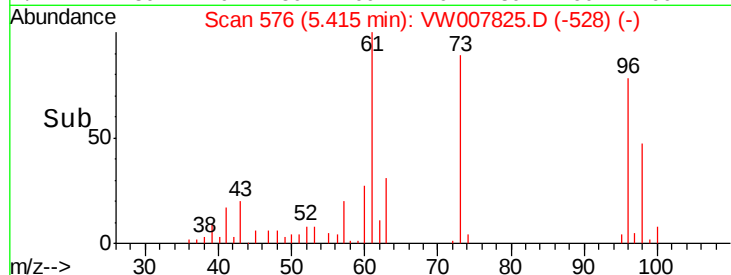
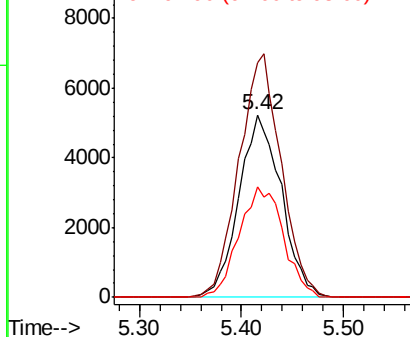
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 24.683 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Tgt Ion: 45 Resp: 38843

Ion Ratio Lower Upper

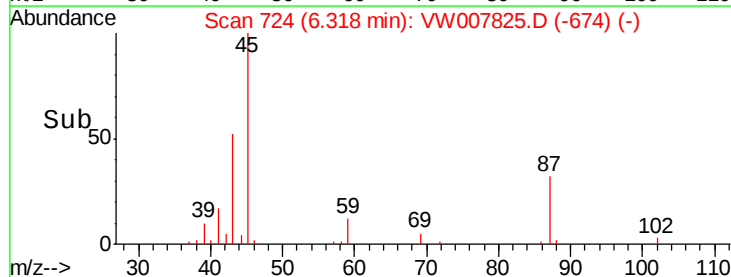
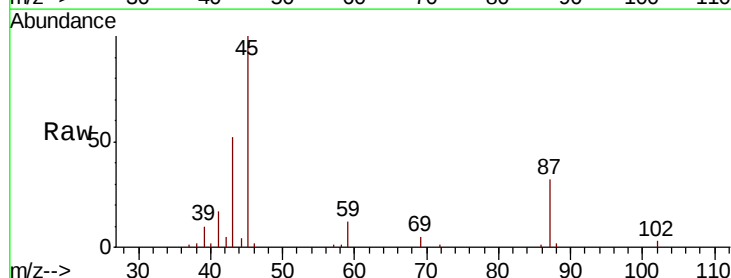
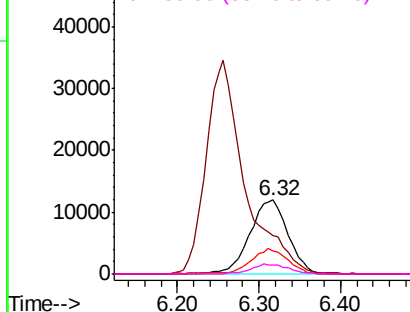
45 100

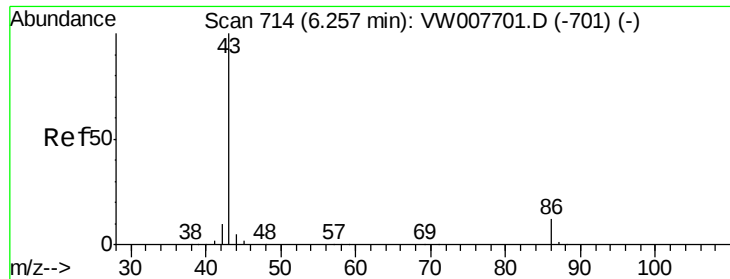
43 50.5 43.7 65.5

87 31.5 26.6 40.0

59 12.3 10.2 15.2

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 122.851 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 43 Resp: 114859

Ion Ratio Lower Upper

43 100

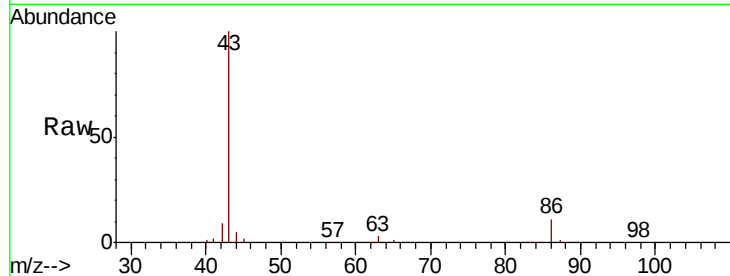
86 11.2 9.6 14.4

Manual Integrations

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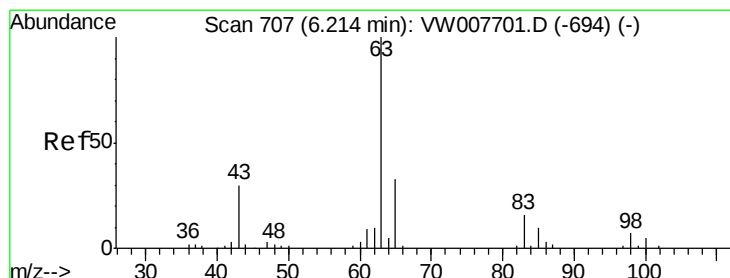
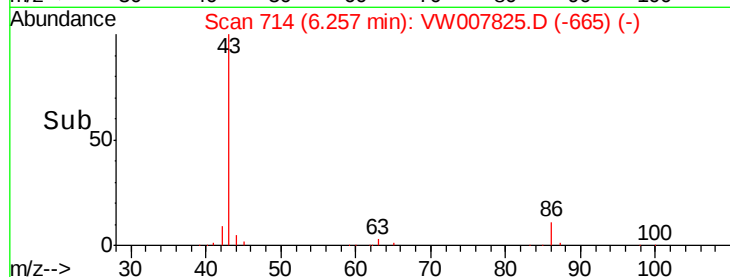
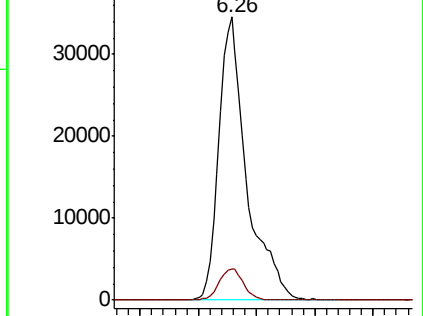
MMDadoda

12/26/2018 11:00:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.678 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

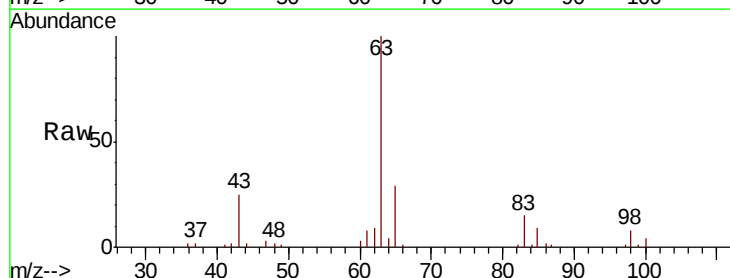
Tgt Ion: 63 Resp: 26253

Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

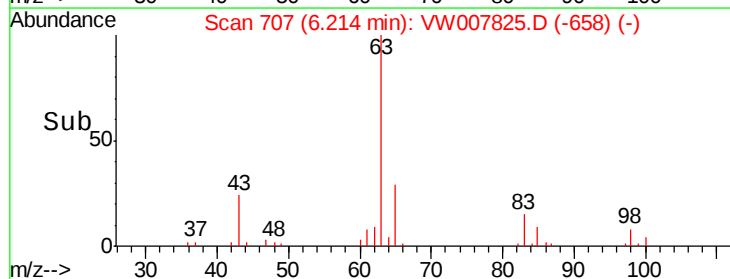
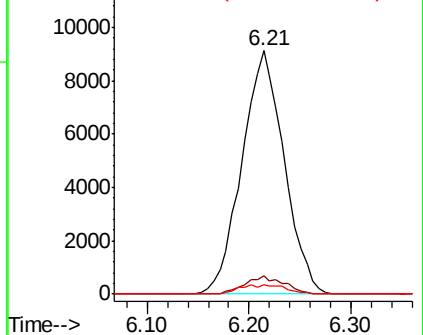
100 4.0 2.5 7.5

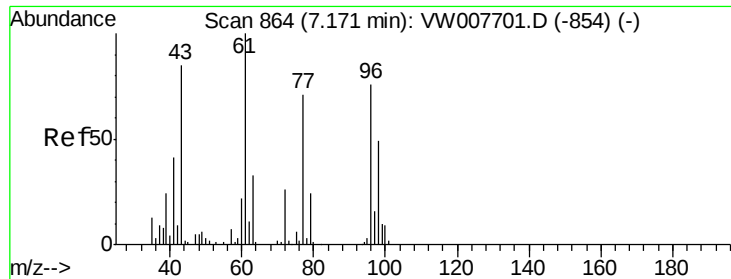


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 130.940 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 43 Resp: 20447

Ion Ratio Lower Upper

43 100

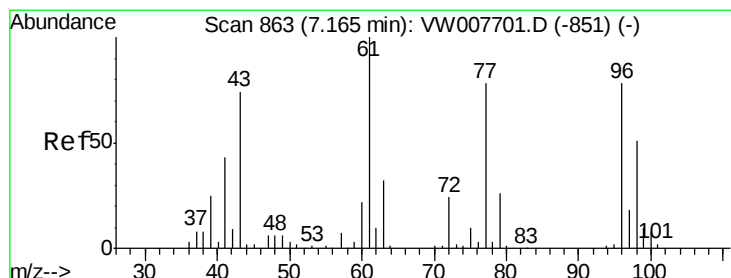
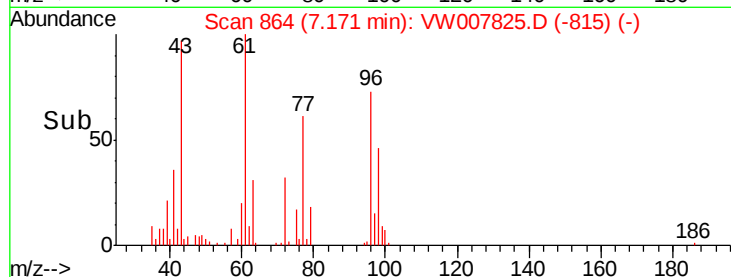
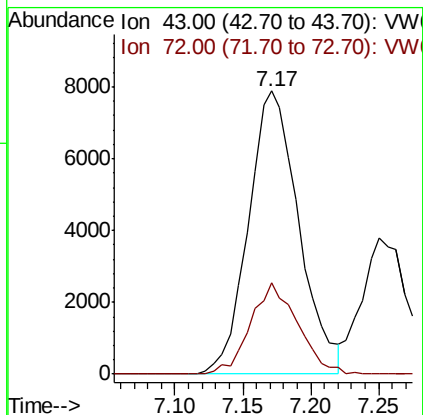
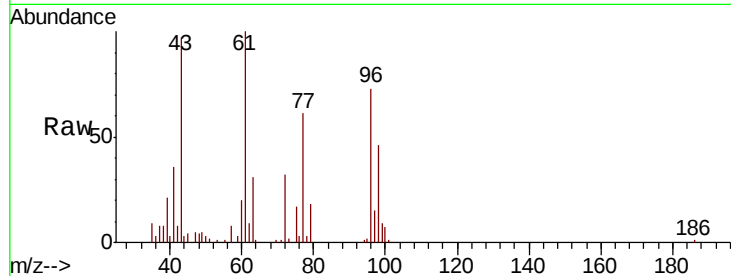
72 32.5 24.5 36.7

Manual Integrations

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12/26/2018 11:00:12 AM



#26

2,2-Dichloropropane

Concen: 17.905 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007825.D

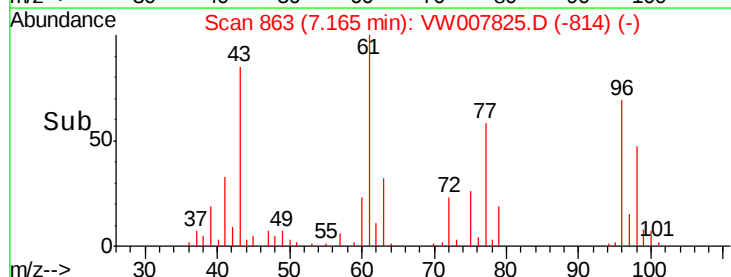
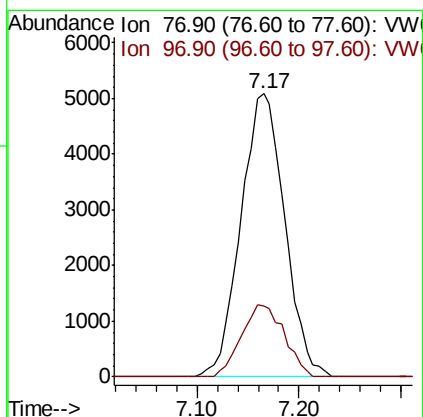
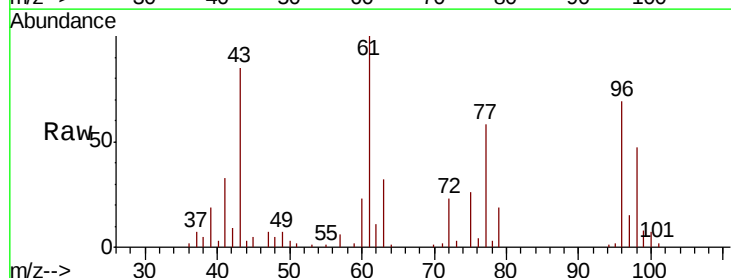
Acq: 22 Dec 2018 07:05

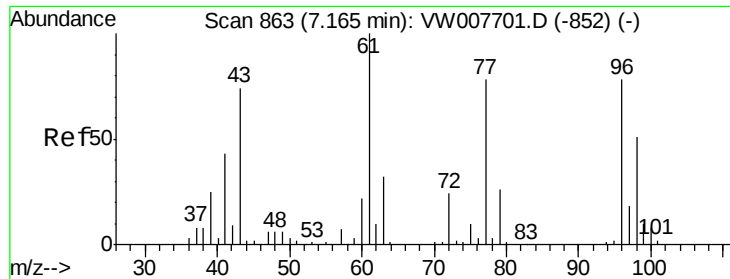
Tgt Ion: 77 Resp: 15168

Ion Ratio Lower Upper

77 100

97 24.7 11.3 33.9





#27

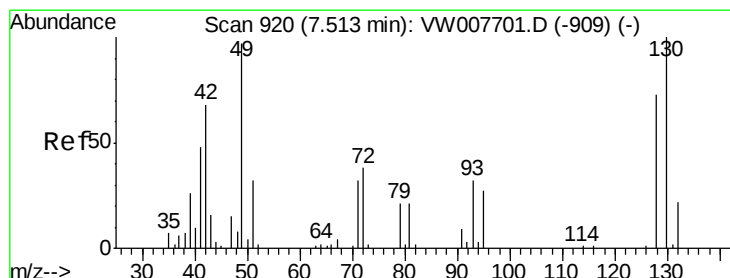
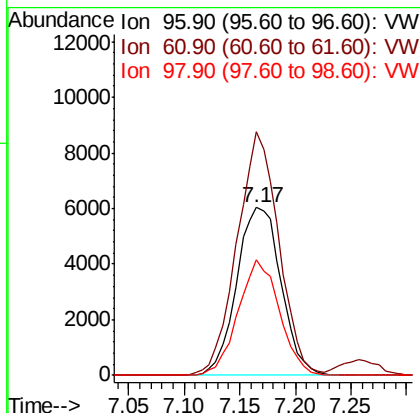
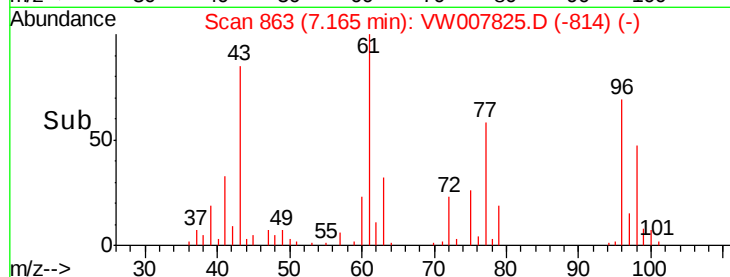
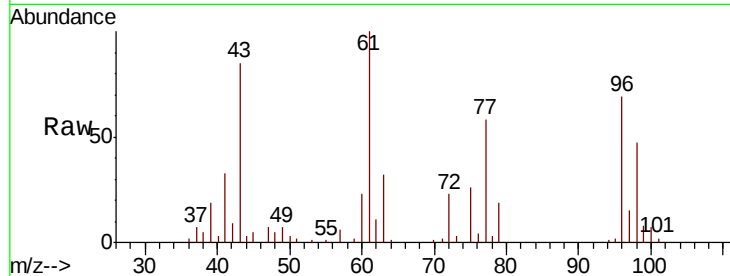
cis-1,2-Dichloroethene
 Concen: 22.193 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	271.6
98	64.2	0.0	131.2

Manual Integrations
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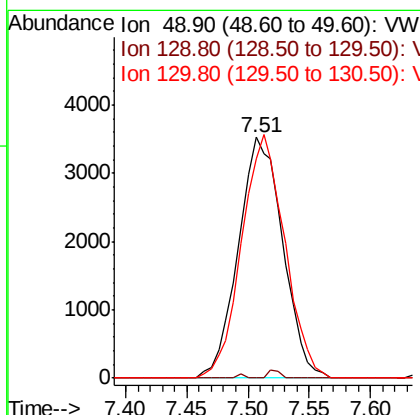
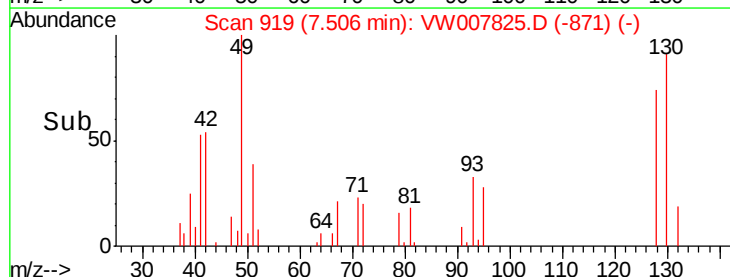
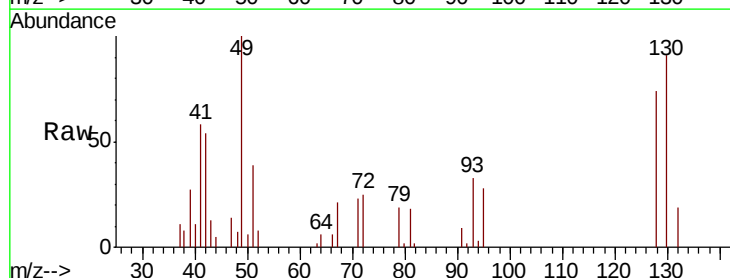
MMDadoda
 12/26/2018 11:00:12 AM

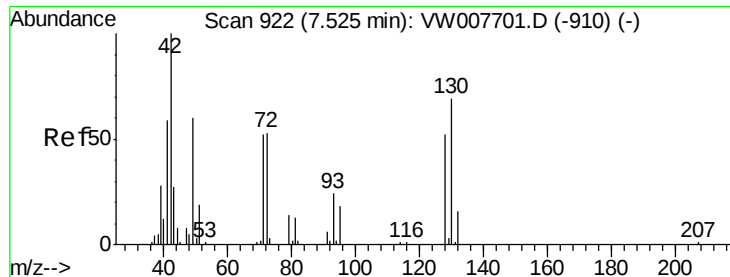


#28

Bromochloromethane
 Concen: 22.520 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.2
130	98.2	81.5	122.3





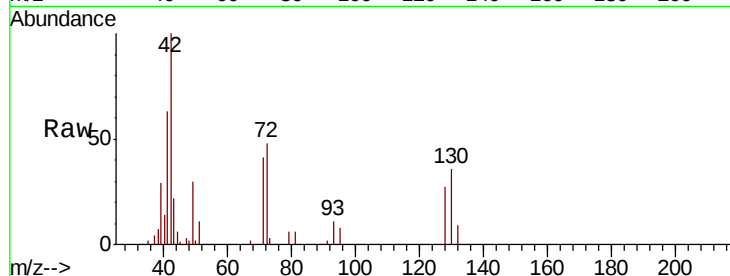
#29
Tetrahydrofuran
Concen: 145.806 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	41.7	62.5
71	44.5	39.0	58.6

Manual Integrations
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MMDadoda
12/26/2018 11:00:12 AM

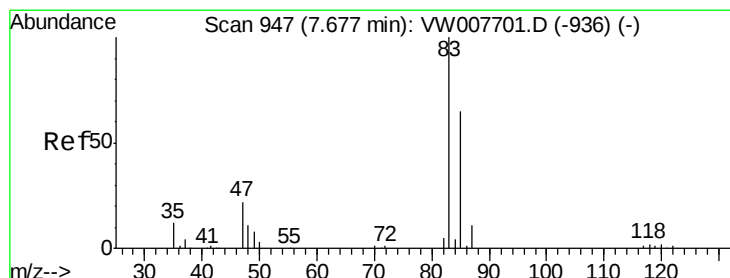
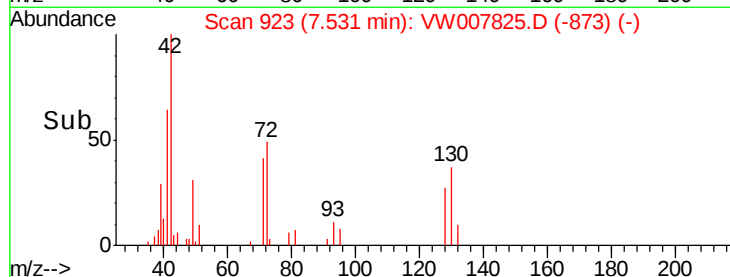
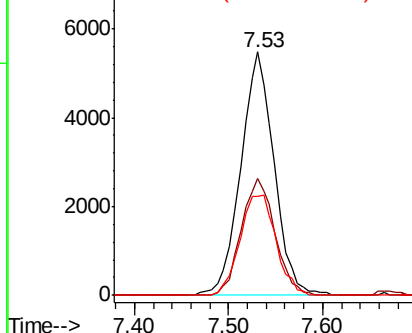


Abundance

Ion 42.00 (41.70 to 42.70): VW

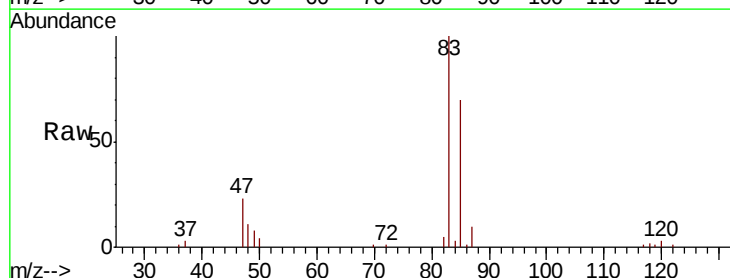
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30
Chloroform
Concen: 20.766 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

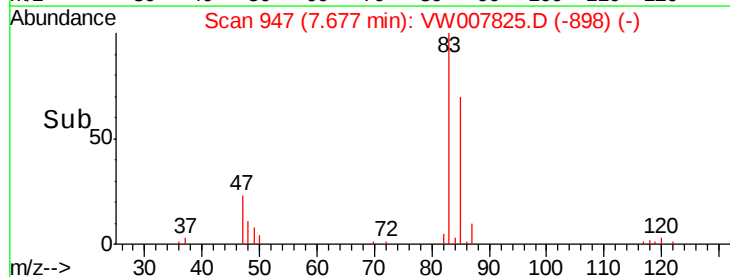
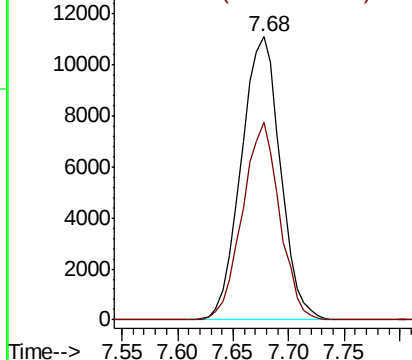
Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.7	52.2	78.2

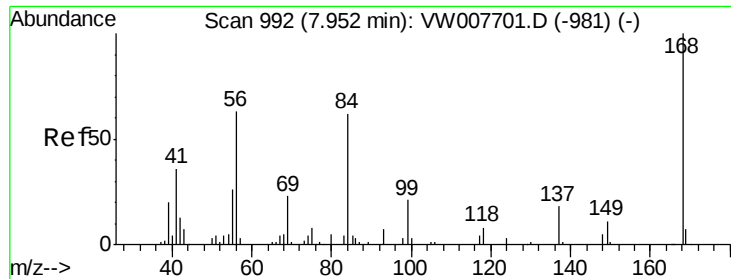


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





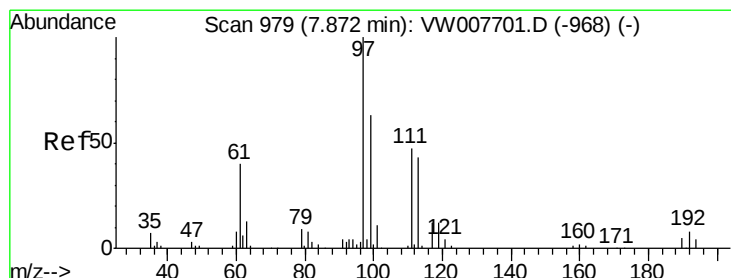
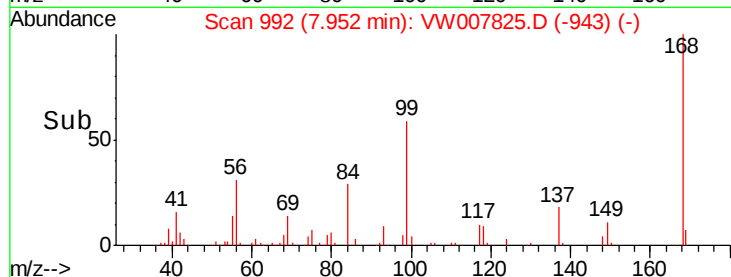
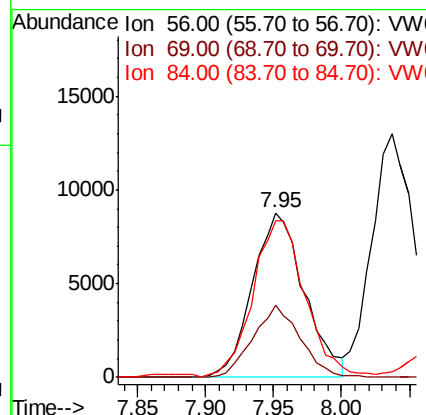
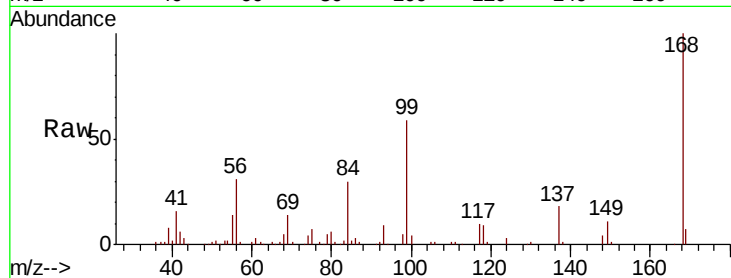
#31
Cyclohexane
Concen: 22.033 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.0	29.7	44.5
84	93.6	78.9	118.3

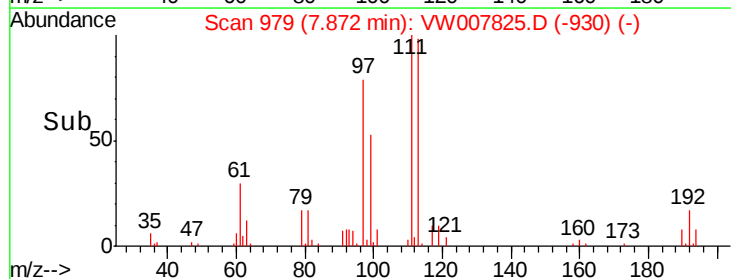
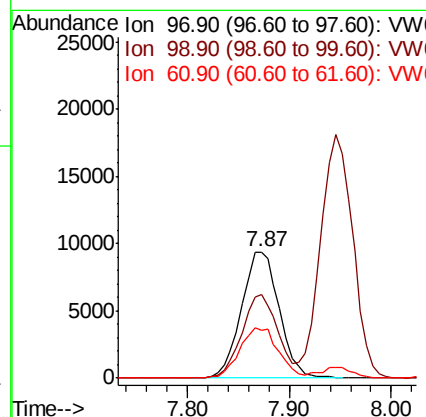
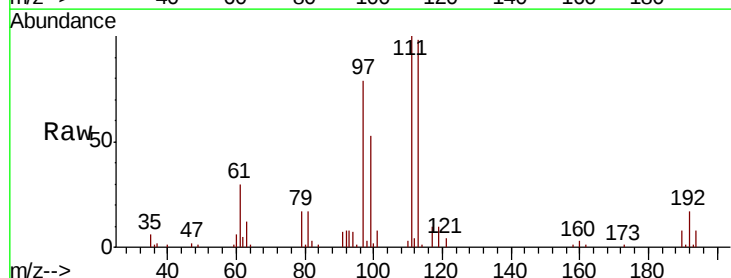
Manual Integrations
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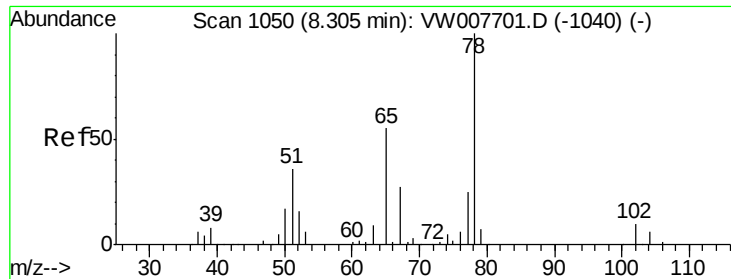
MMDadoda
12/26/2018 11:00:12 AM



#32
1,1,1-Trichloroethane
Concen: 20.174 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.6	76.0
61	40.8	32.3	48.5





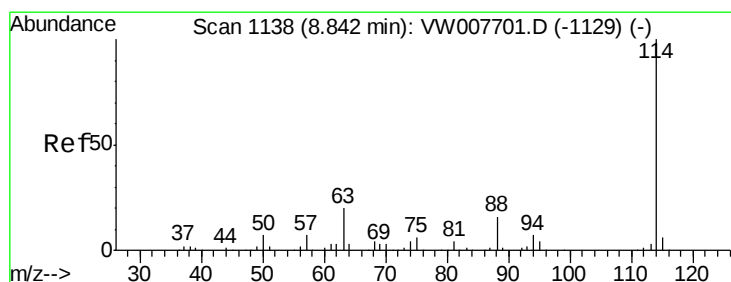
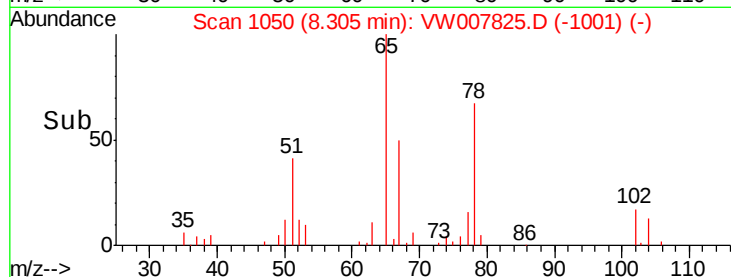
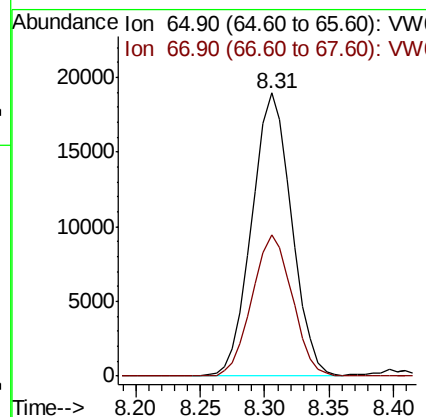
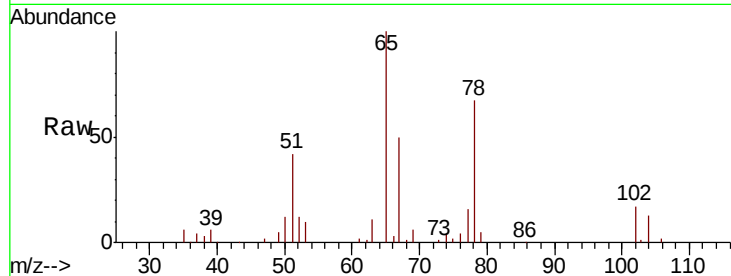
#33
 1,2-Dichloroethane-d4
 Concen: 57.011 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.1	0.0	100.6	

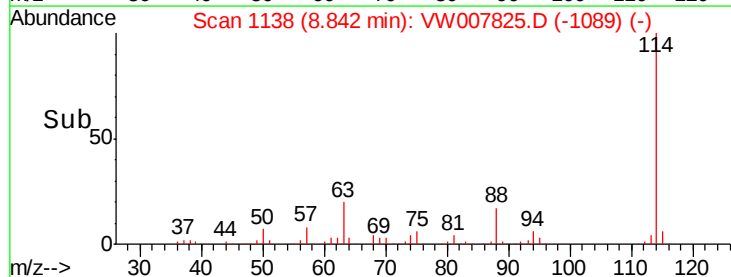
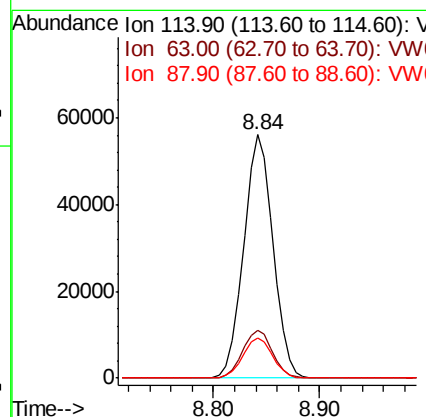
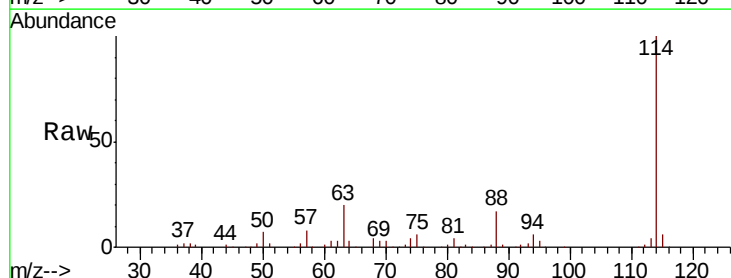
Manual Integrations
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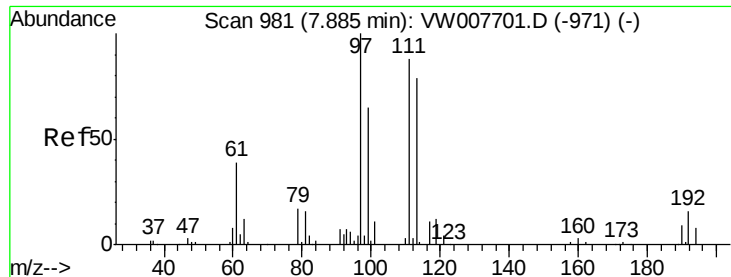
MMDadoda
 12/26/2018 11:00:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	40.0	
88	16.7	0.0	32.6	





#35

Dibromofluoromethane

Concen: 53.799 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

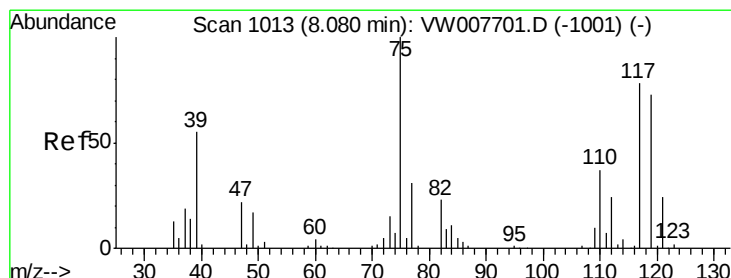
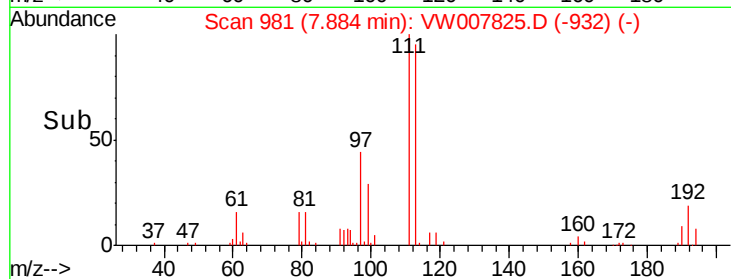
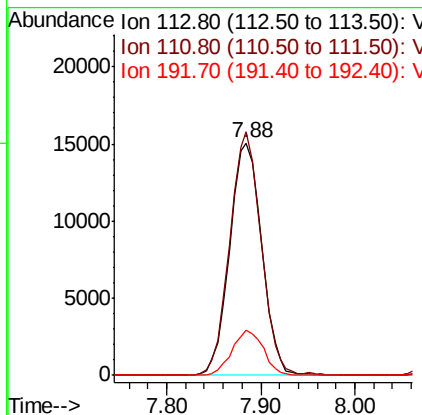
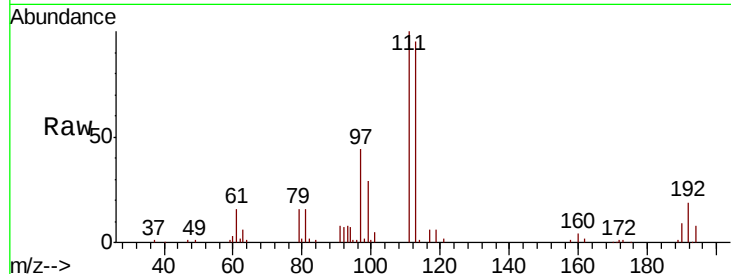
ClientSampleId :

VW1223SBS02

Tot Ion:	113	Resp:	35541
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	124.0
192	19.0	15.5	23.3

Manual Integrations
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MMDadoda
12/26/2018 11:00:12 AM



#36

1,1-Dichloropropene

Concen: 20.068 ug/l

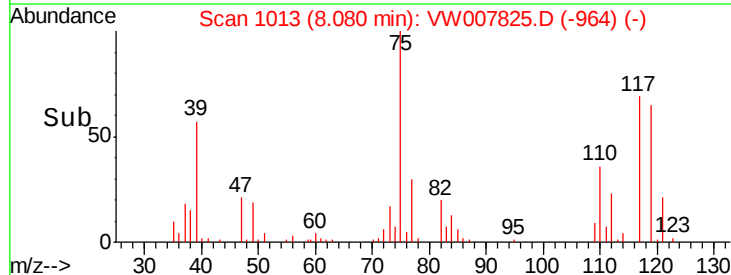
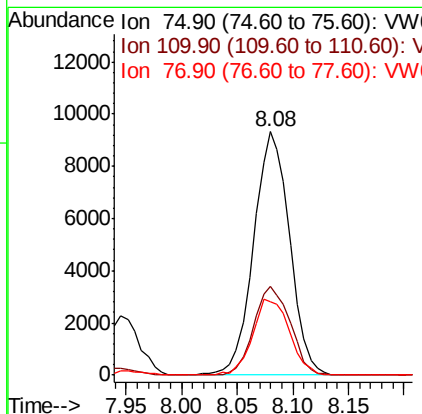
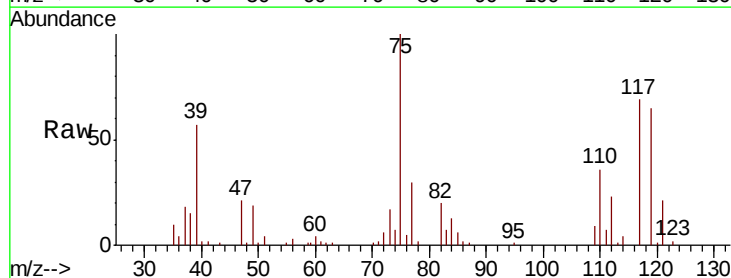
RT: 8.08 min Scan# 1013

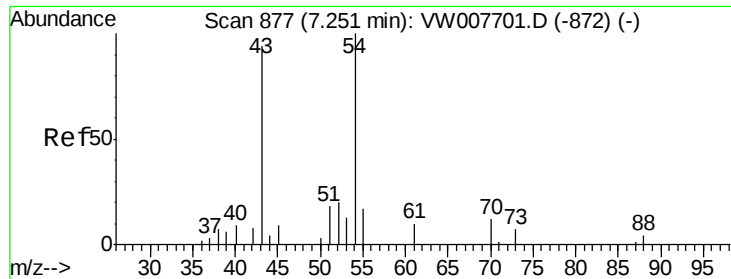
Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Tgt Ion:	75	Resp:	20975
Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.6	55.8
77	31.9	25.0	37.4





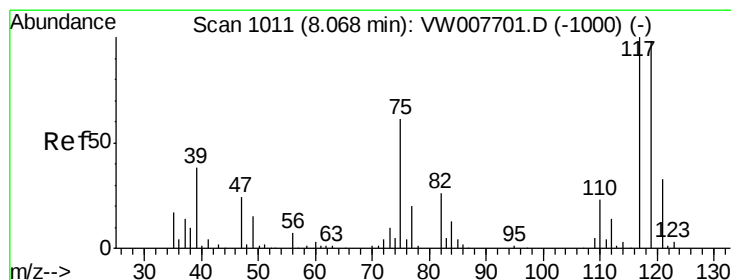
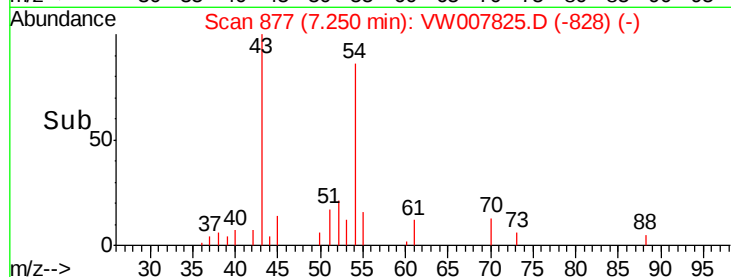
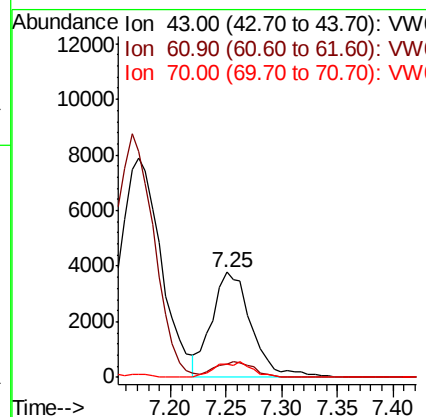
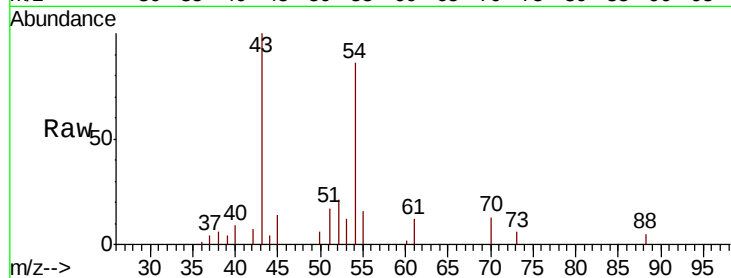
#37
Ethyl Acetate
Concen: 25.852 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleID :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	13.5	9.3	13.9

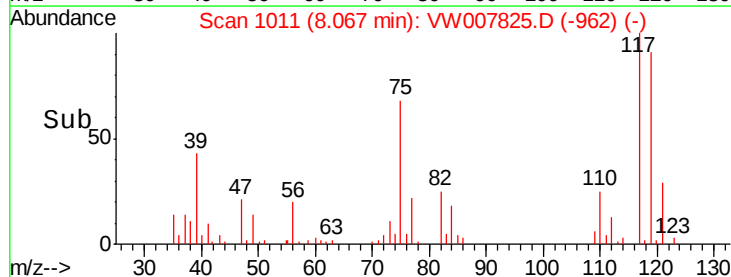
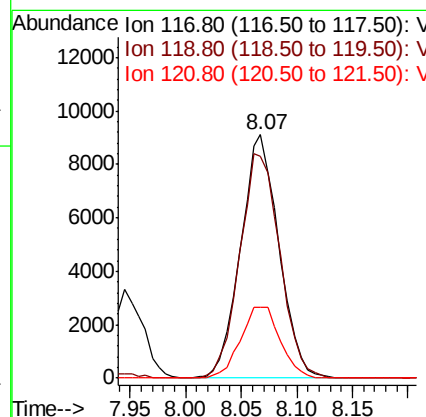
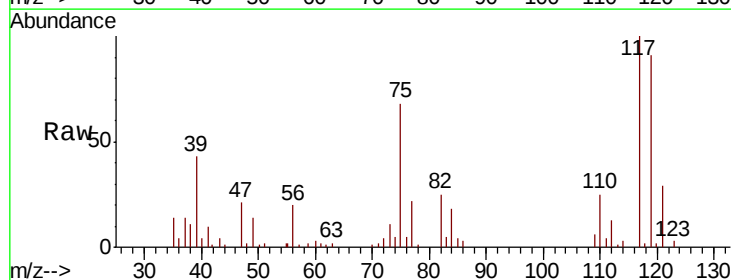
Manual Integrations
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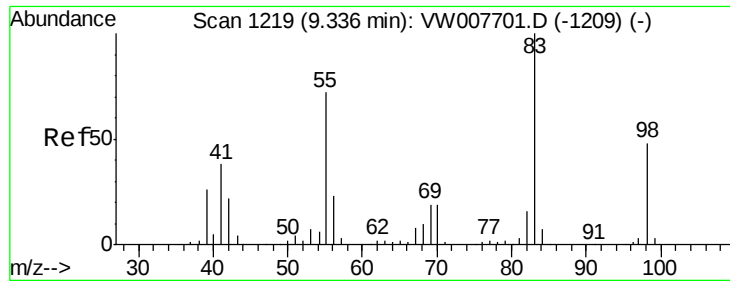
MMDadoda
12/26/2018 11:00:12 AM



#38
Carbon Tetrachloride
Concen: 17.653 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	78.2	117.2
121	28.8	26.1	39.1





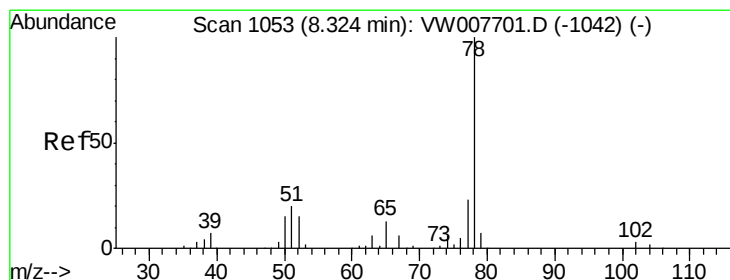
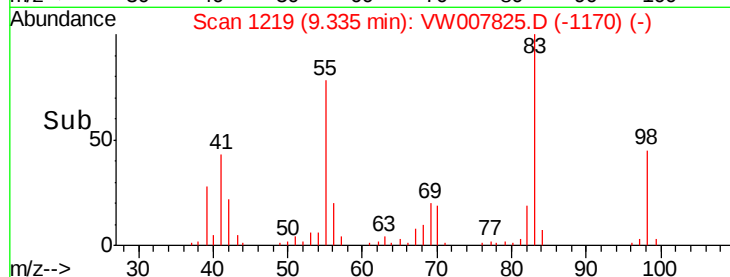
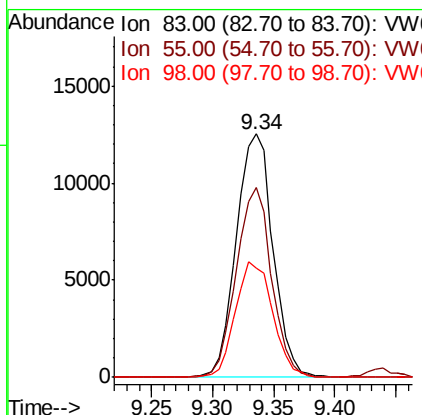
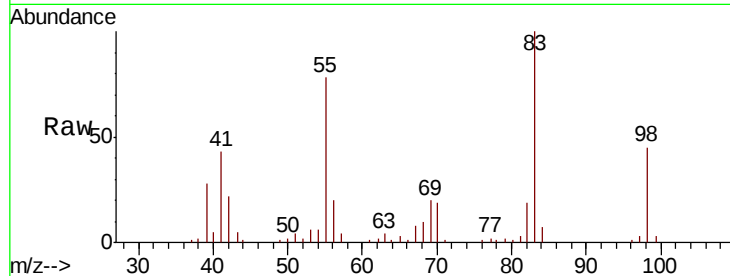
#39
Methvlcvclohexane
Concen: 20.072 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	57.2	85.8
98	45.1	38.6	58.0

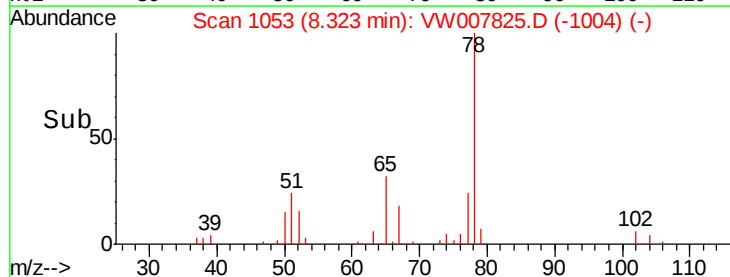
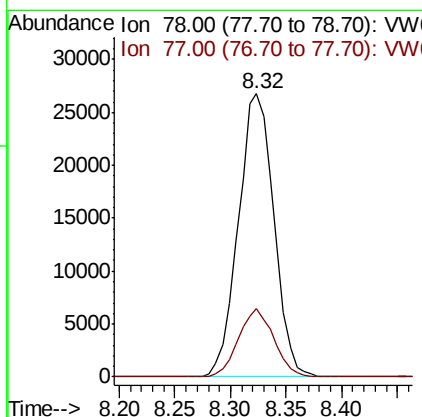
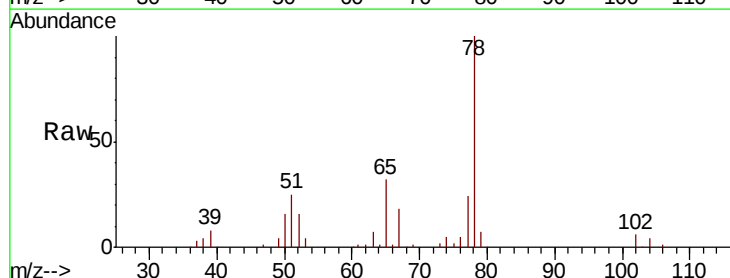
Manual Integrations
APPROVED

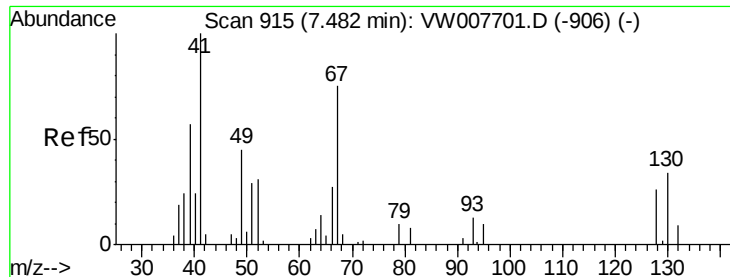
MMDadoda
12/26/2018 11:00:12 AM



#40
Benzene
Concen: 21.287 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





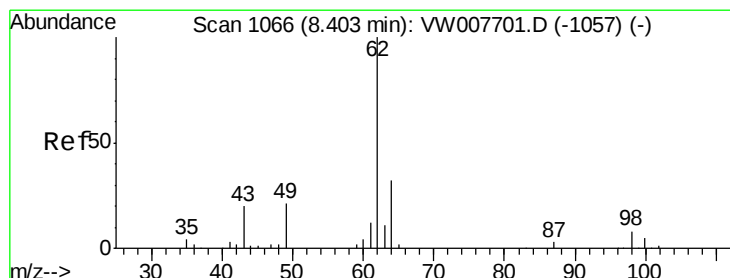
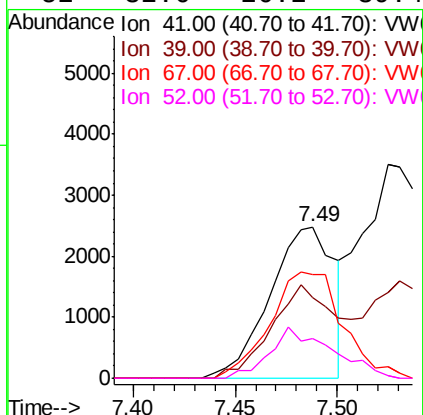
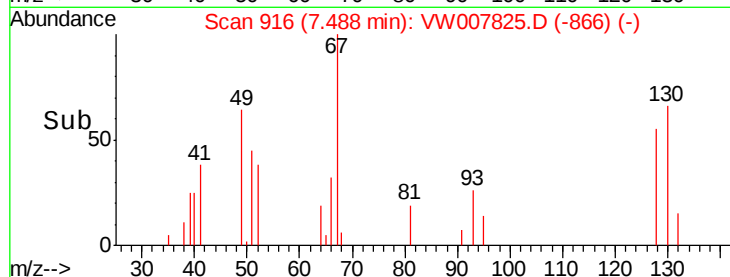
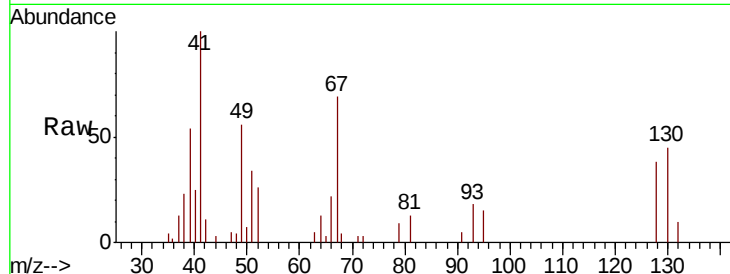
#41
Methacrylonitrile
Concen: 26.705 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion:	41	Resp:	5469
Ion	Ratio	Lower	Upper
41	100		
39	63.5	54.2	81.4
67	78.8	65.7	98.5
52	32.6	26.2	39.4

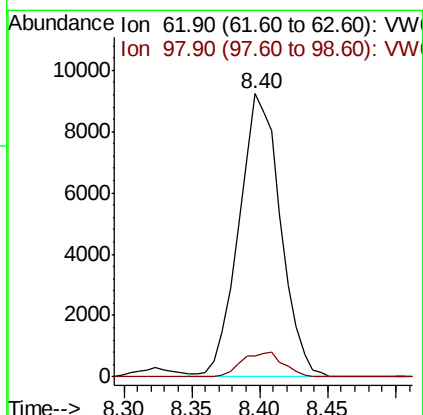
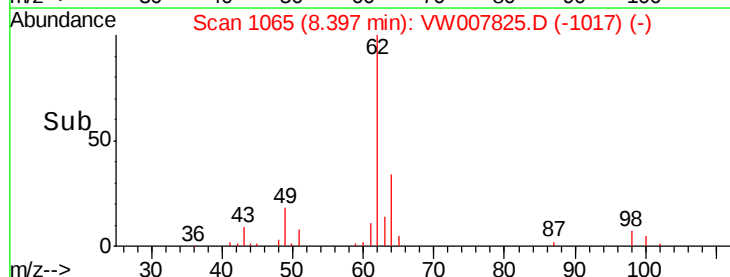
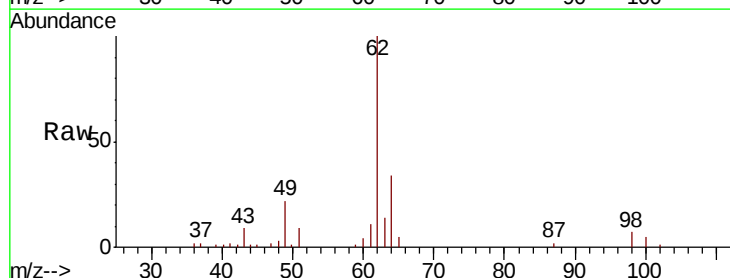
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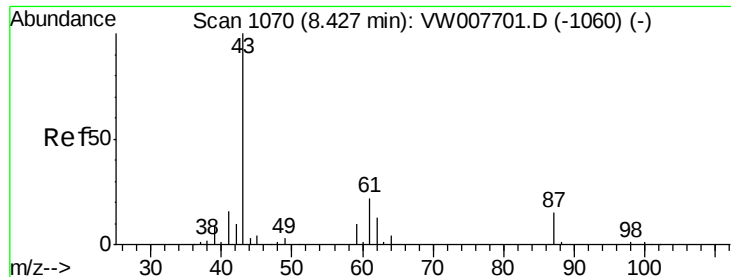
MMDadoda
12/26/2018 11:00:12 AM



#42
1,2-Dichloroethane
Concen: 21.168 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion:	62	Resp:	19785
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 26.093 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

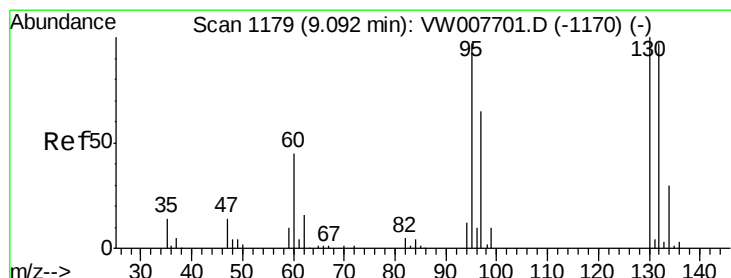
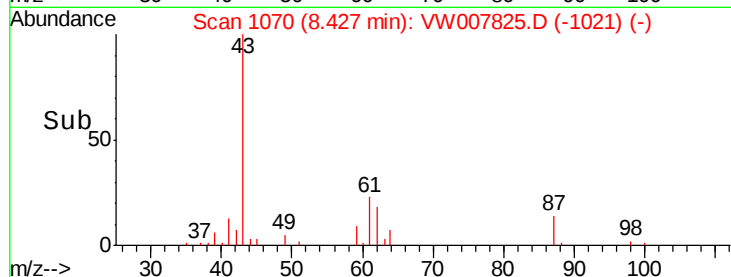
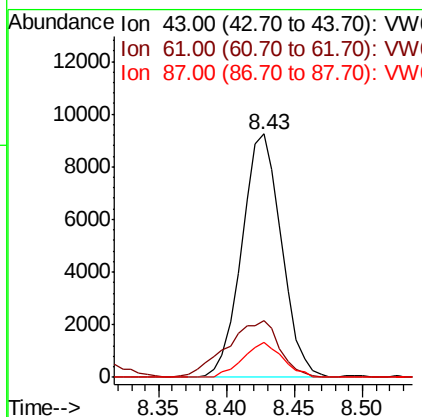
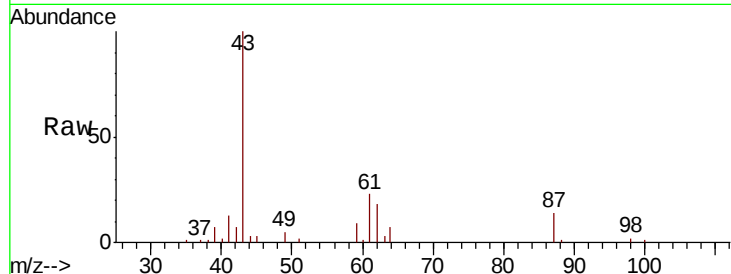
ClientSampleId :

VW1223SBS02

Tot Ion:	43	Resp:	18857
Ion	Ratio	Lower	Upper
43	100		
61	30.8	26.3	39.5
87	14.3	12.0	18.0

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#44

Trichloroethene

Concen: 20.728 ug/l

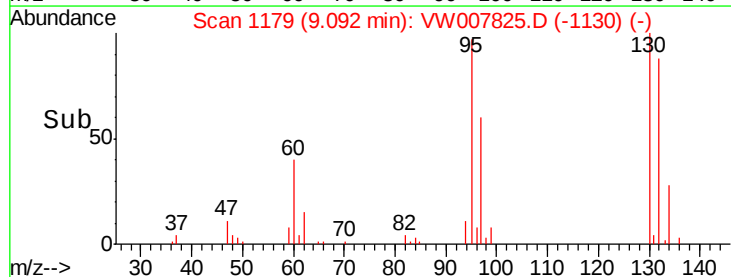
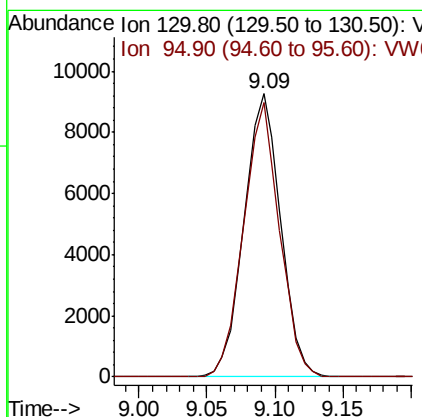
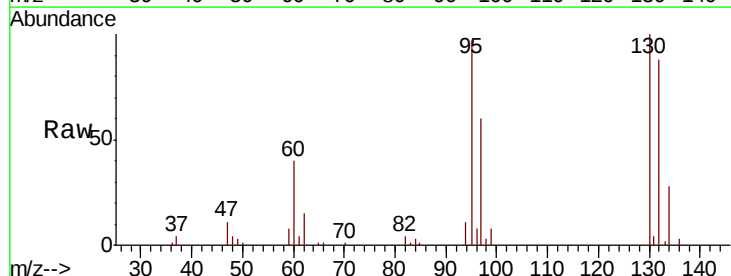
RT: 9.09 min Scan# 1179

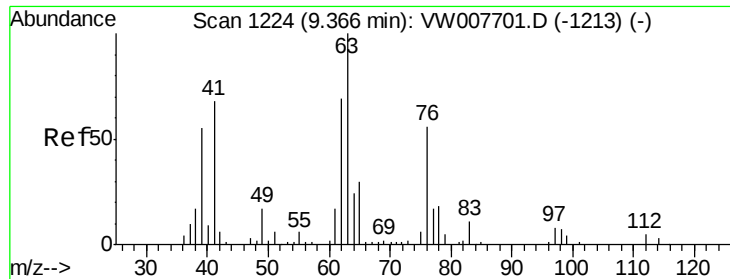
Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Tgt Ion:	130	Resp:	17483
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	194.8





#45

1,2-Dichloropropane

Concen: 22.993 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 63 Resp: 14230

Ion Ratio Lower Upper

63 100

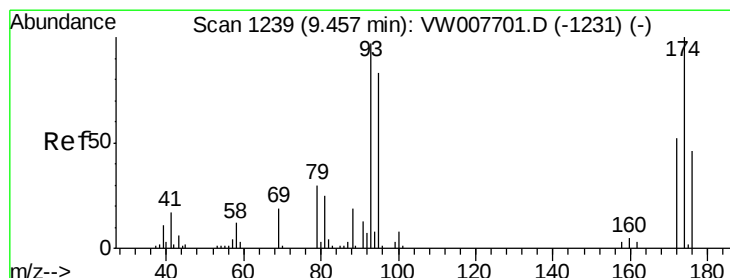
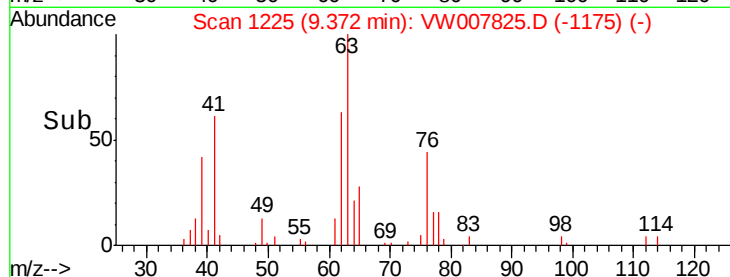
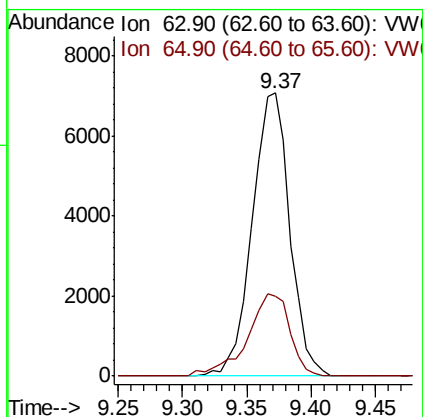
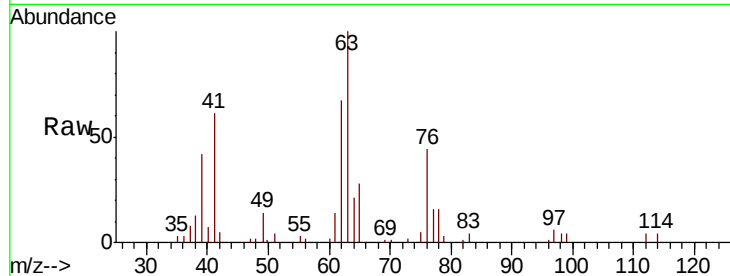
65 28.1 23.8 35.8

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#46

Dibromomethane

Concen: 22.126 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

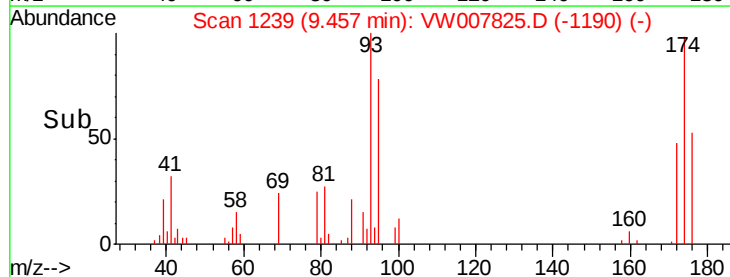
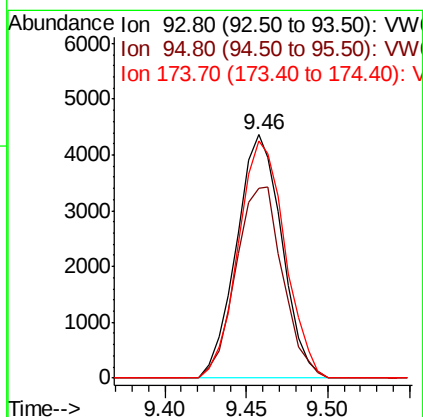
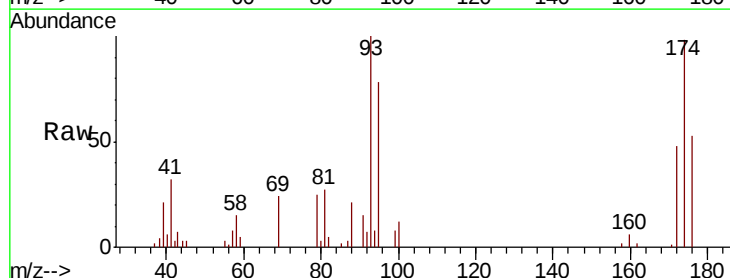
Tgt Ion: 93 Resp: 8429

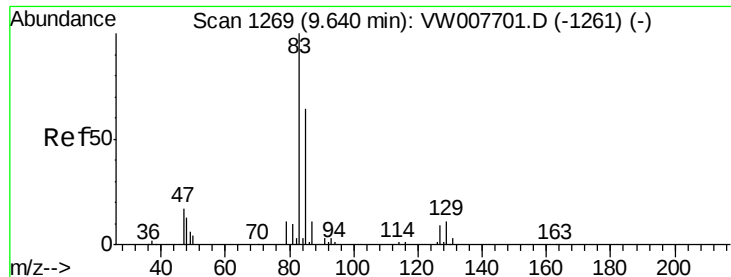
Ion Ratio Lower Upper

93 100

95 81.2 67.5 101.3

174 100.1 83.9 125.9





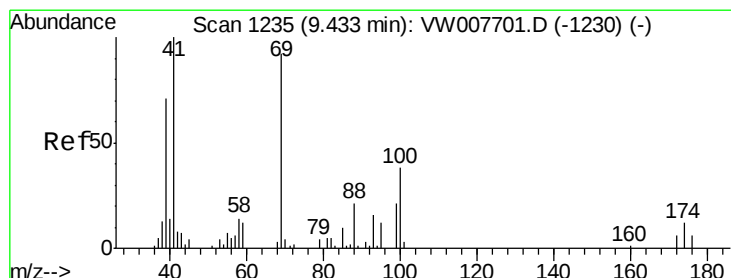
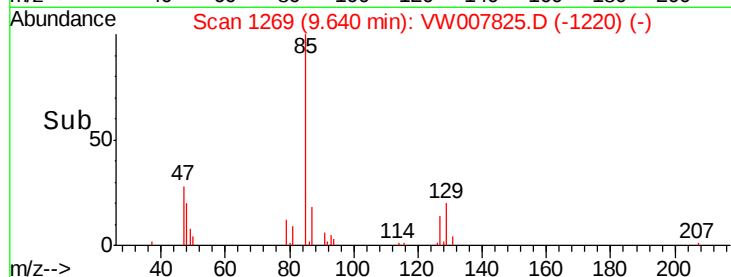
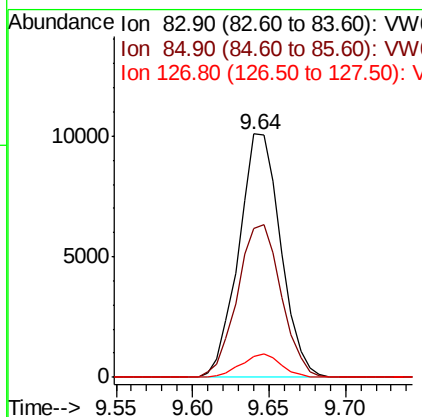
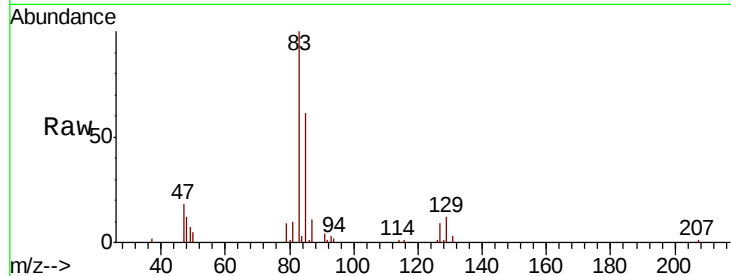
#47
Bromodichloromethane
Concen: 19.198 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.4	77.0
127	8.7	7.5	11.3

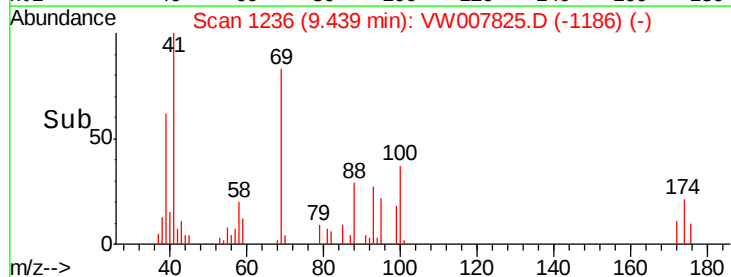
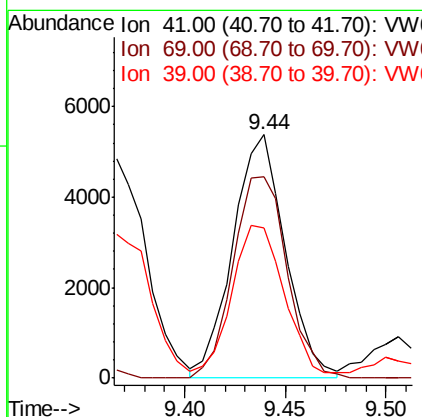
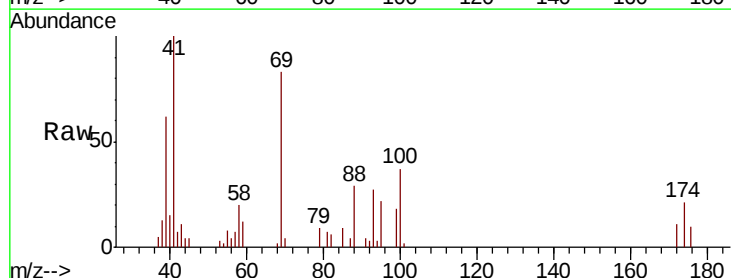
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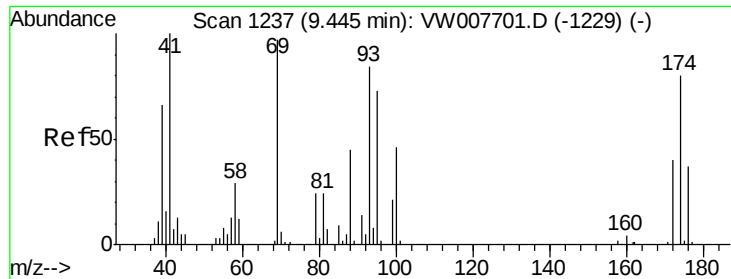
MMDadoda
12/26/2018 11:00:12 AM



#48
Methyl methacrylate
Concen: 27.115 ug/l m
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.8	74.2	111.2
39	59.7	53.9	80.9





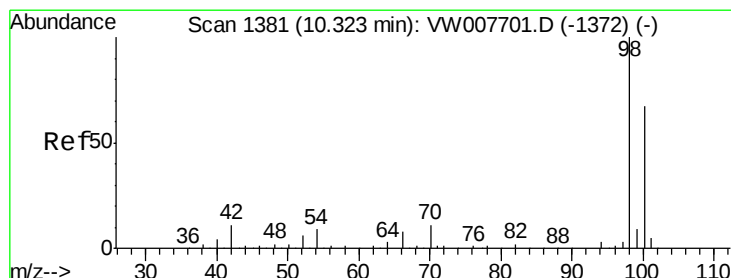
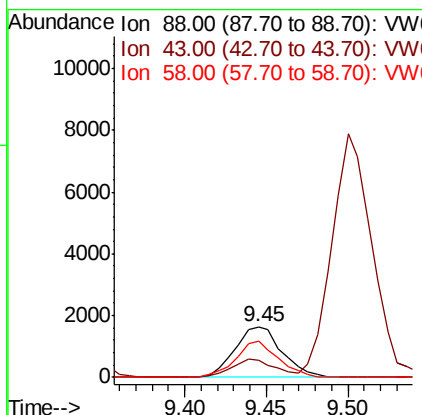
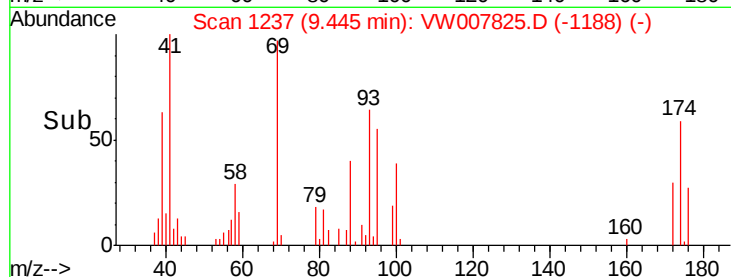
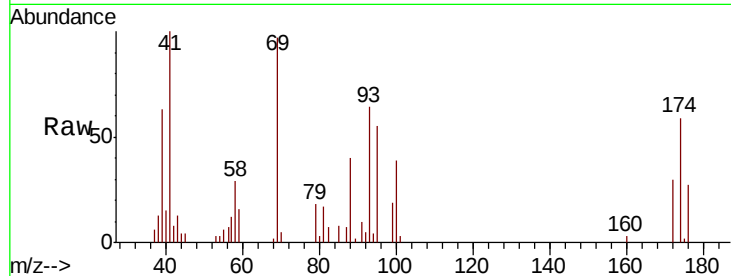
#49
1,4-Dioxane
Concen: 542.716 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	88	Resp	3278
Ion	Ratio	Lower	Upper
88	100		
43	34.1	25.6	38.4
58	64.8	52.3	78.5

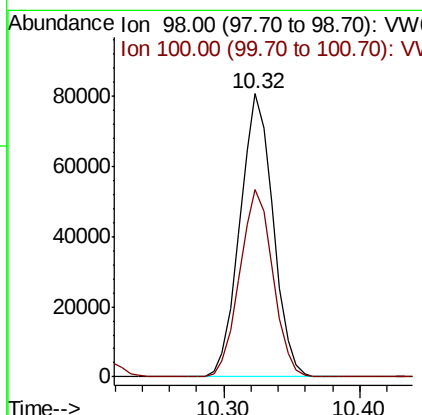
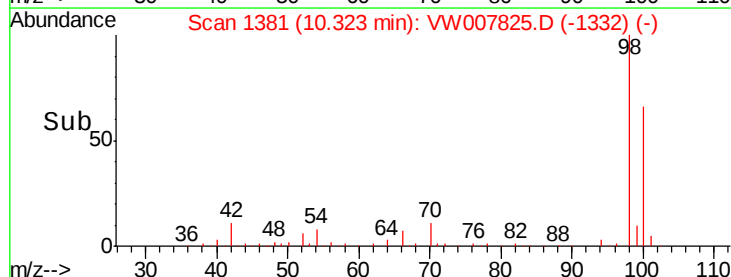
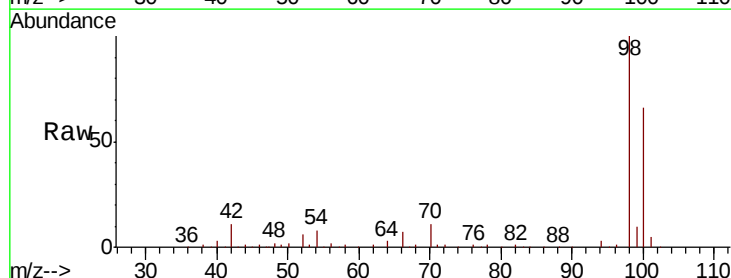
Manual Integrations
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#50
Toluene-d8
Concen: 55.201 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	98	Resp	137478
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 132.256 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 43 Resp: 45170

Ion Ratio Lower Upper

43 100

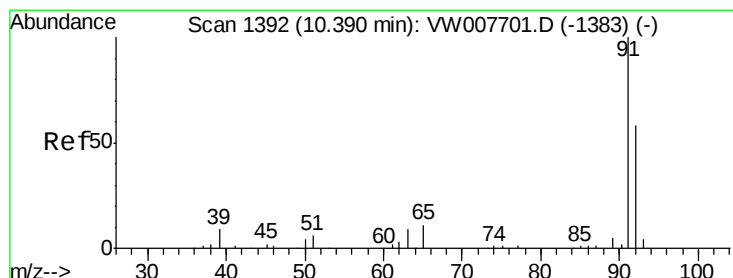
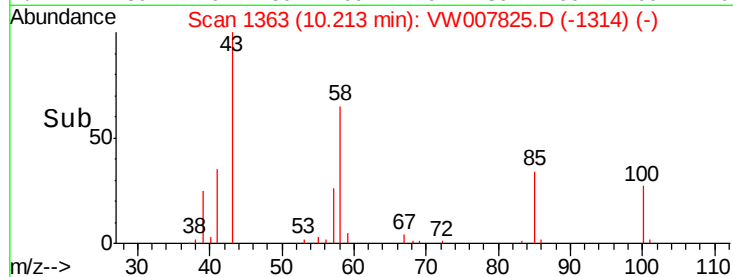
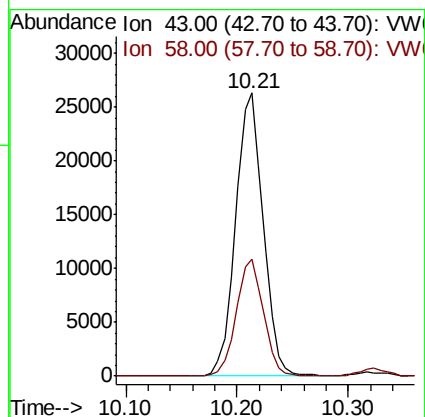
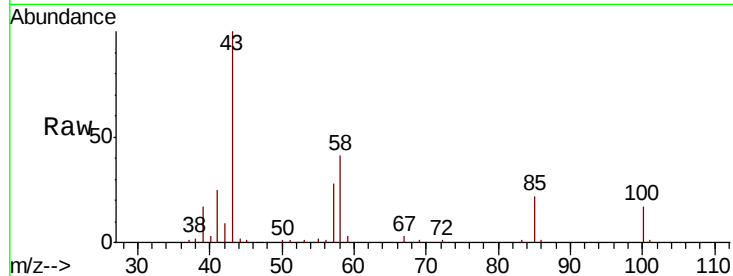
58 40.6 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 20.859 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007825.D

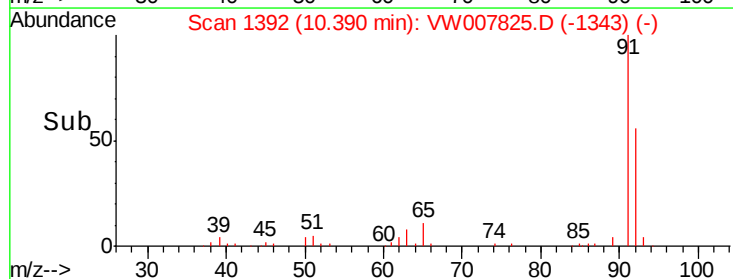
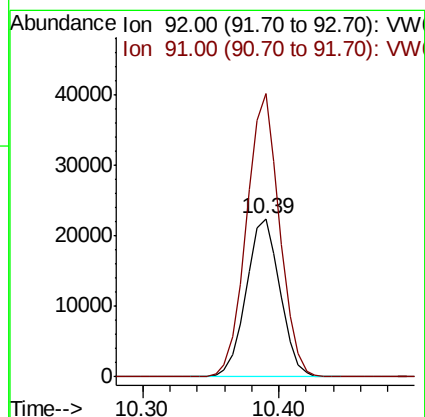
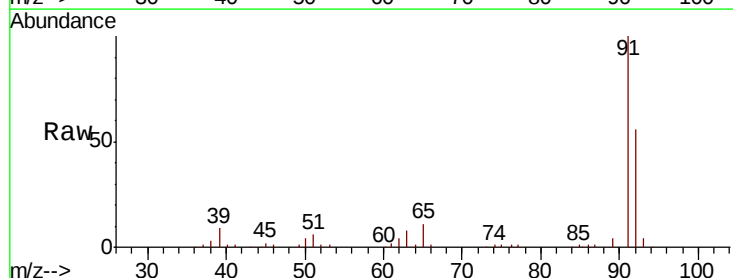
Acq: 22 Dec 2018 07:05

Tgt Ion: 92 Resp: 39034

Ion Ratio Lower Upper

92 100

91 174.5 137.0 205.4





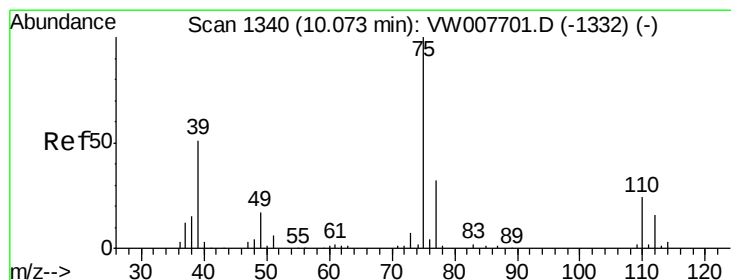
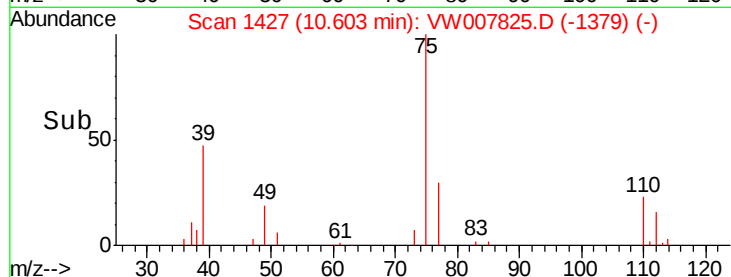
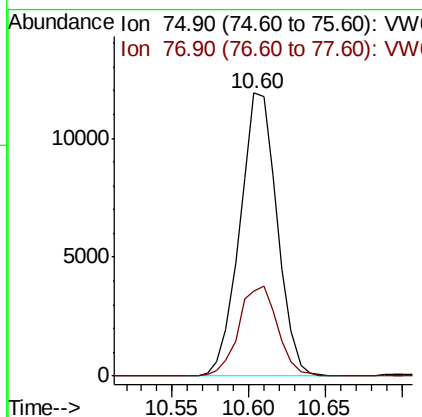
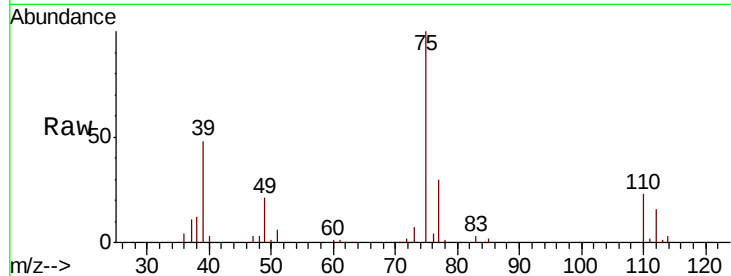
#53
t-1,3-Dichloropropene
Concen: 20.173 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 75 Resp: 20096
Ion Ratio Lower Upper
75 100
77 30.1 25.2 37.8

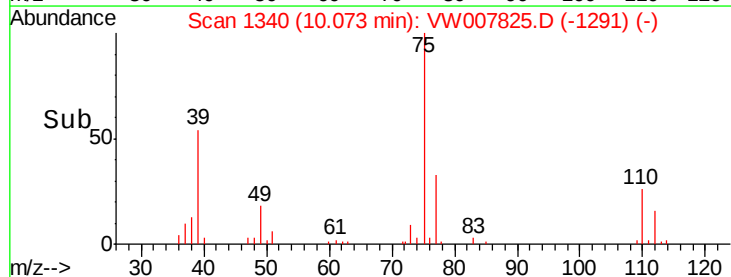
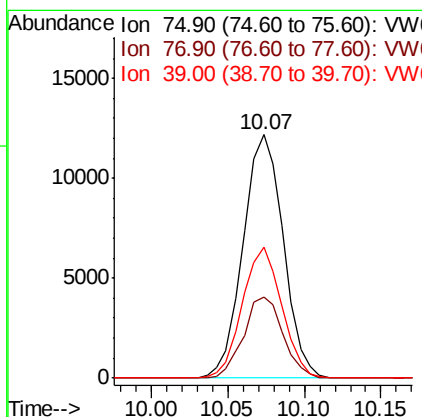
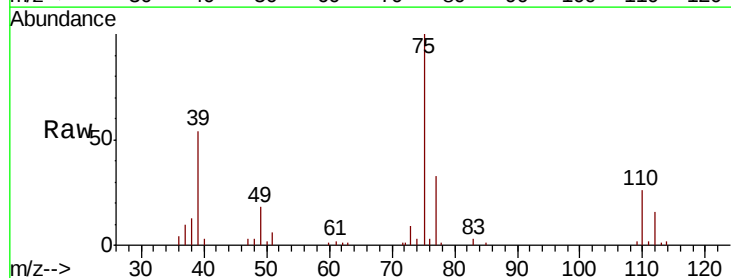
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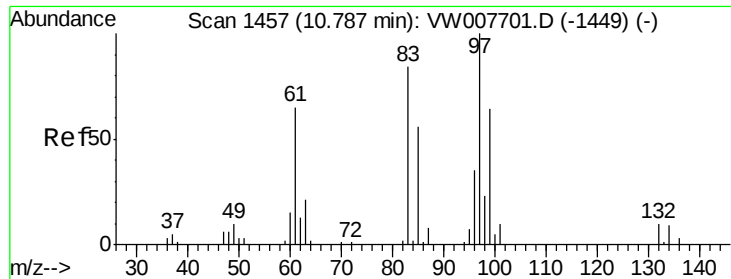
MMDadoda
12/26/2018 11:00:12 AM



#54
cis-1,3-Dichloropropene
Concen: 20.254 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 75 Resp: 22287
Ion Ratio Lower Upper
75 100
77 33.1 25.5 38.3
39 53.7 41.2 61.8





#55

1,1,2-Trichloroethane

Concen: 22.479 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 97 Resp: 11806

Ion Ratio Lower Upper

97 100

83 84.8 67.5 101.3

85 52.3 44.8 67.2

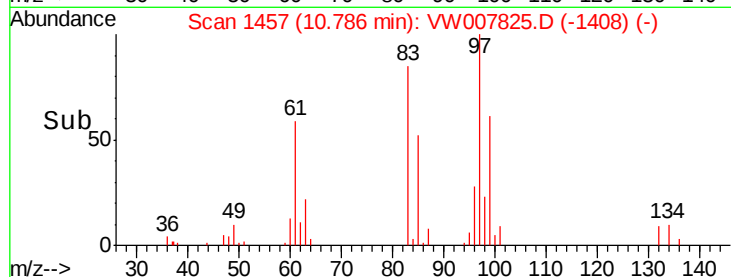
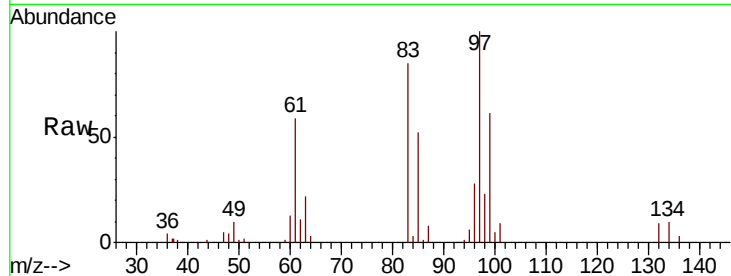
99 60.7 51.0 76.4

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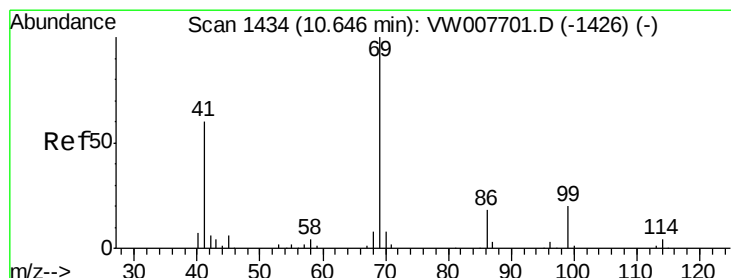
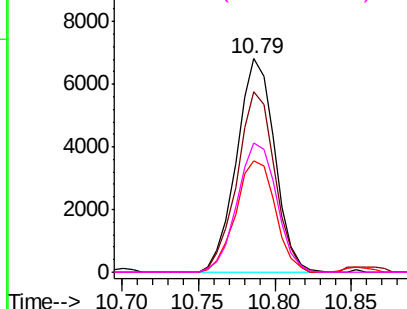
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 24.715 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

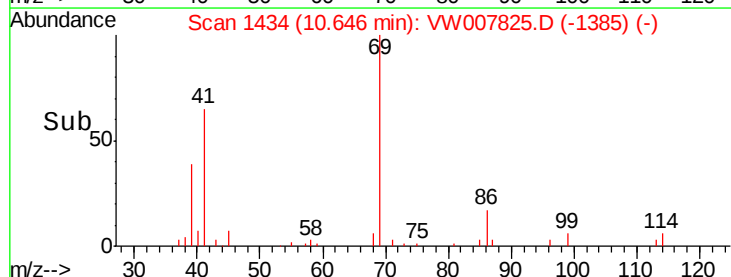
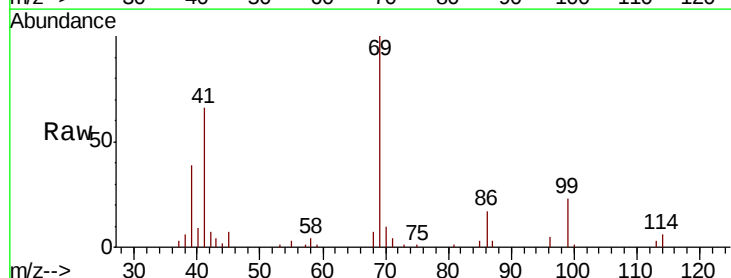
Tgt Ion: 69 Resp: 15336

Ion Ratio Lower Upper

69 100

41 63.5 48.9 73.3

39 36.9 31.3 46.9

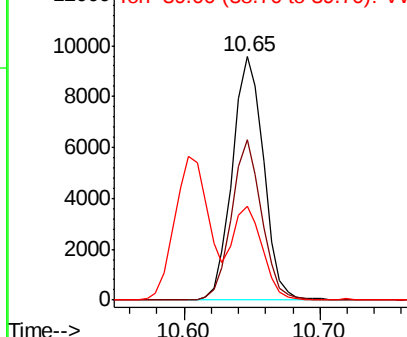


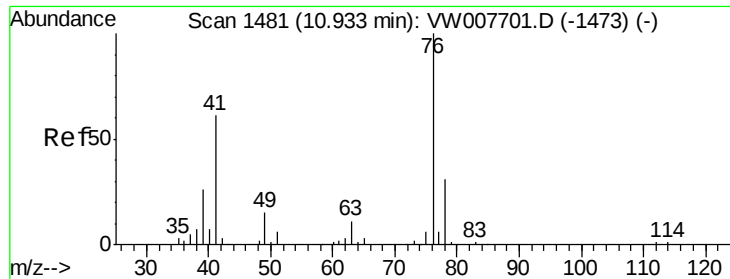
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





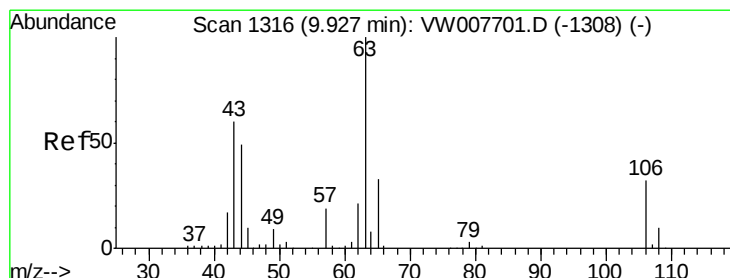
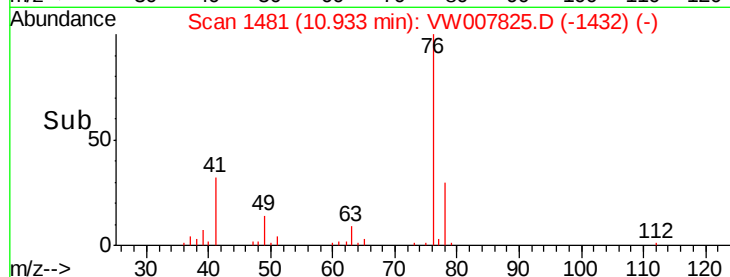
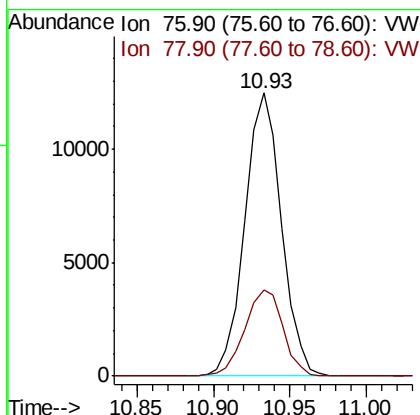
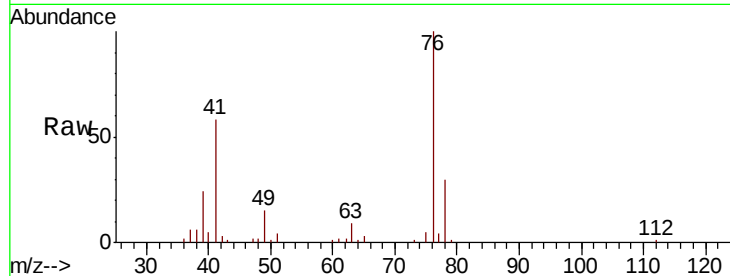
#57
 1,3-Dichloropropane
 Concen: 23.787 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.2

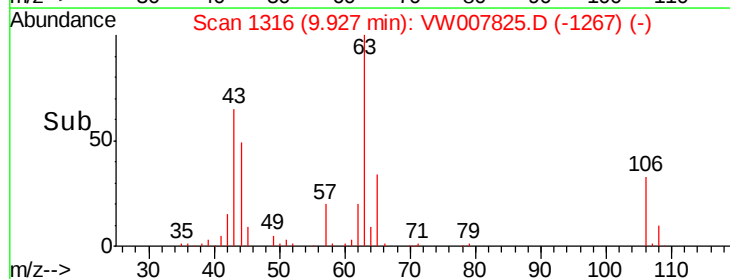
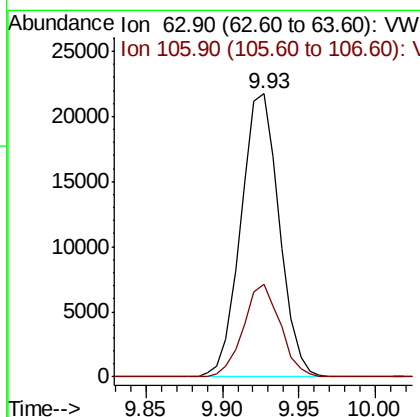
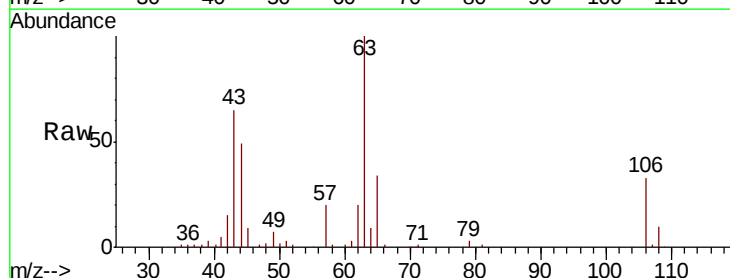
Manual Integrations
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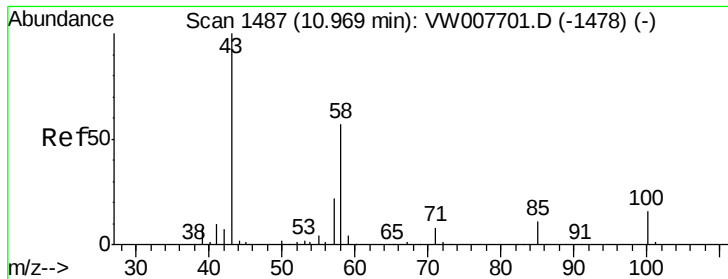
MMDadoda
 12/26/2018 11:00:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.641 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.4	25.9	38.9





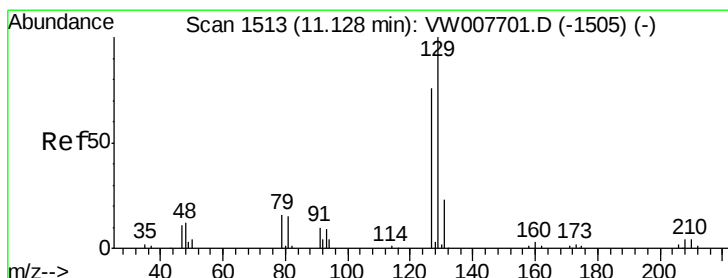
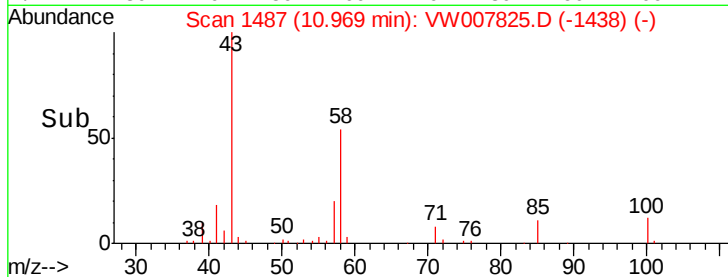
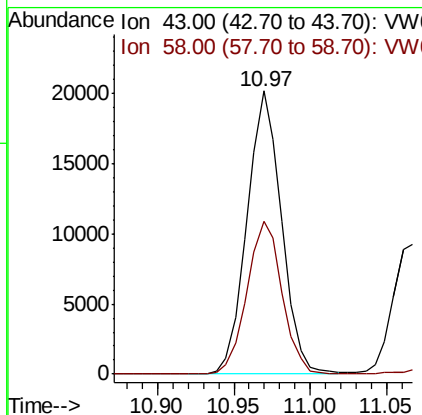
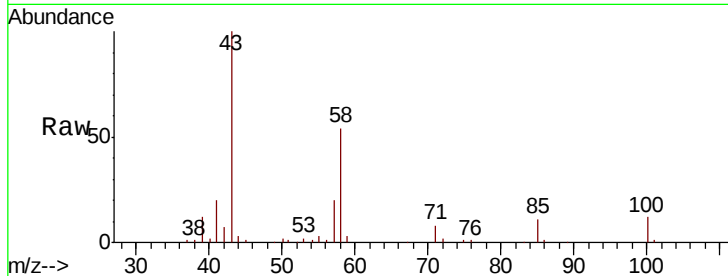
#59
2-Hexanone
Concen: 131.625 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 43 Resp: 31615
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.1

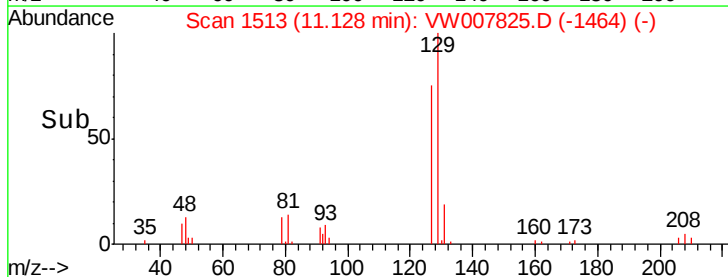
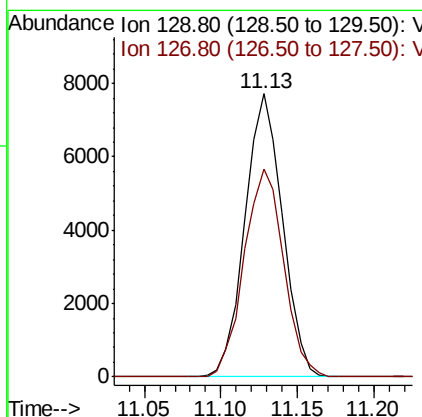
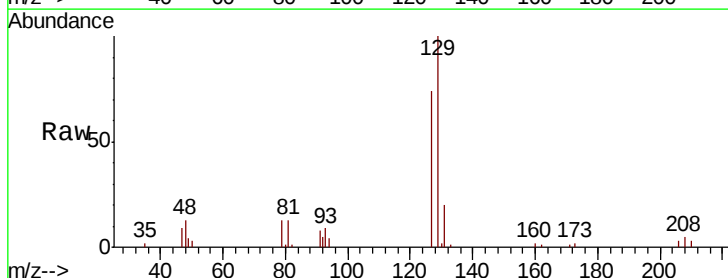
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#60
Dibromochloromethane
Concen: 18.928 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion: 129 Resp: 13162
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 22.982 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 107 Resp: 12223

Ion Ratio Lower Upper

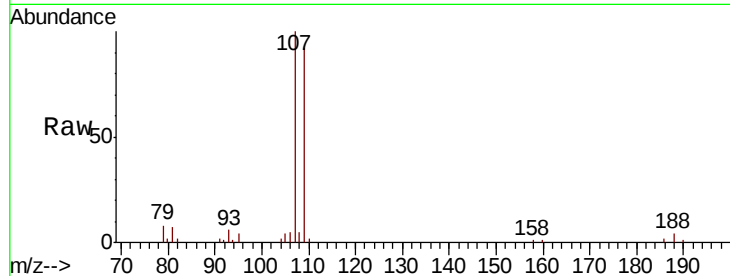
107 100

109 93.2 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

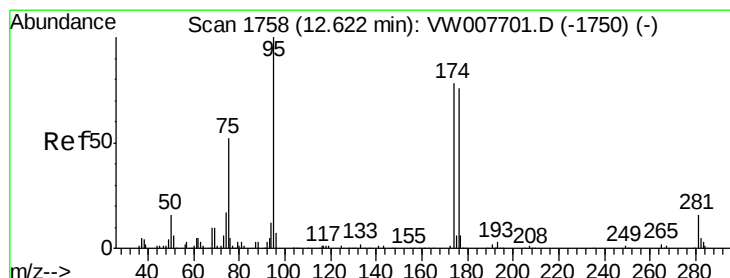
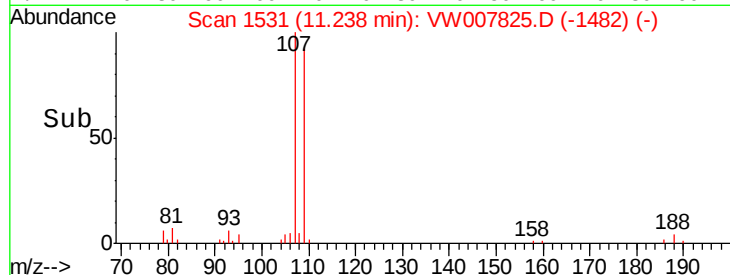
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.460 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

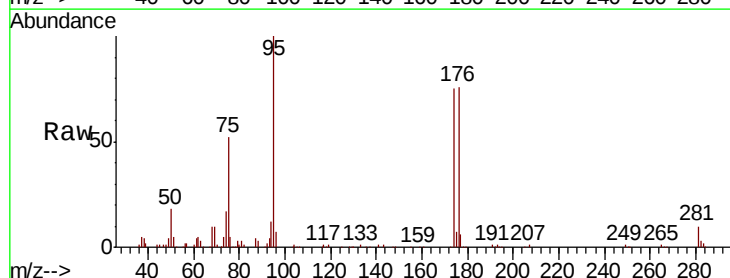
Tgt Ion: 95 Resp: 53360

Ion Ratio Lower Upper

95 100

174 74.9 0.0 152.2

176 72.5 0.0 146.8



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

40000

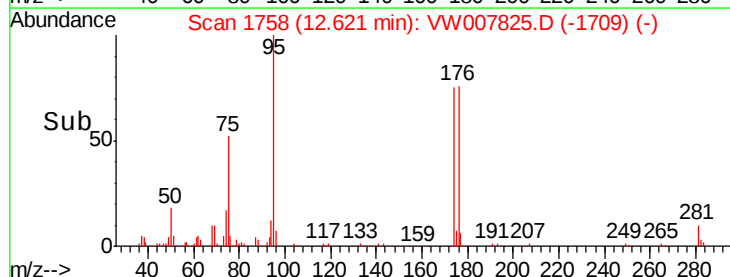
30000

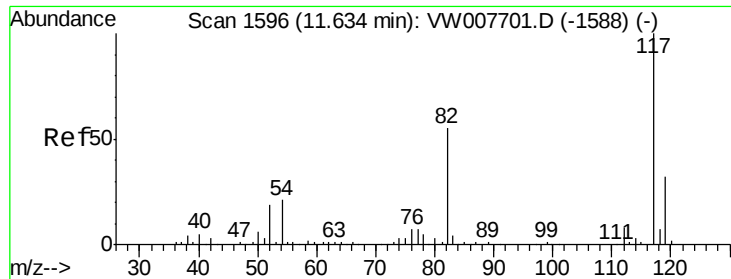
20000

10000

0

Time-->





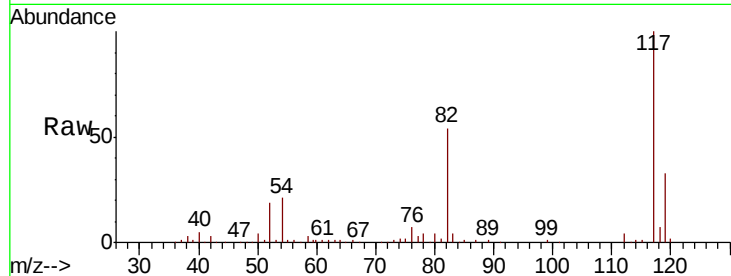
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.3	66.5
119	32.7	25.7	38.5

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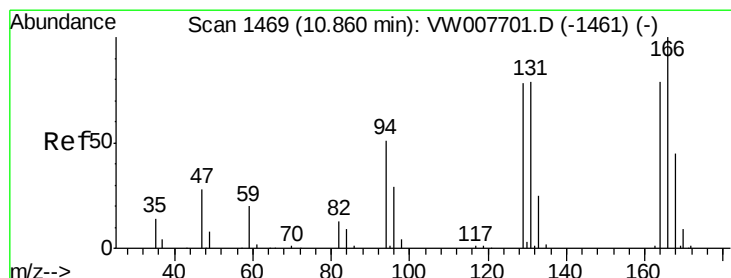
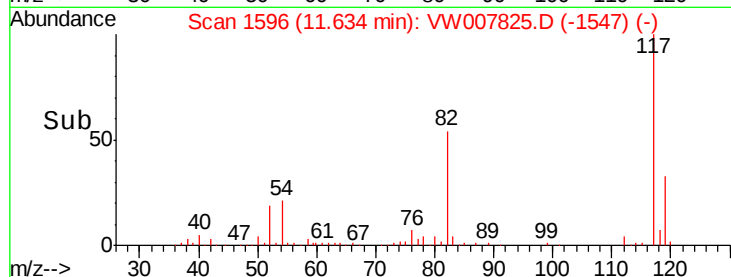
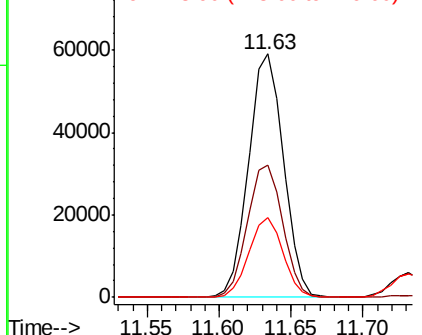


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.612 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.1	101.0	151.6
129	107.3	78.7	118.1
131	96.4	79.4	119.0

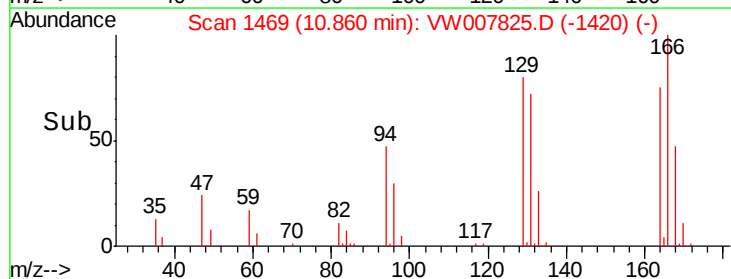
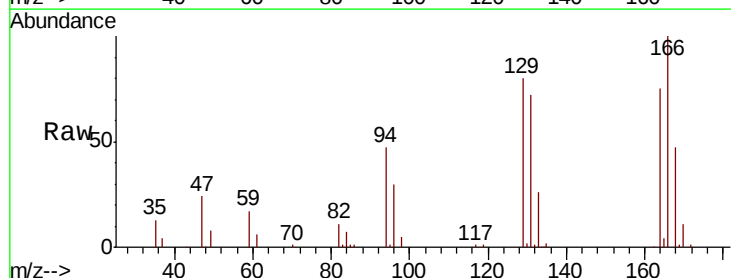
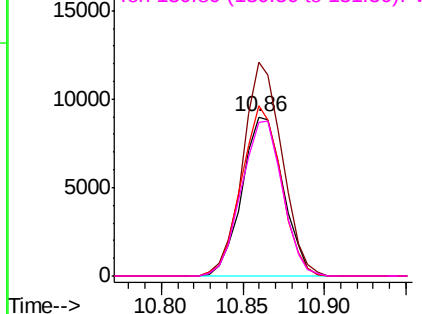
Abundance

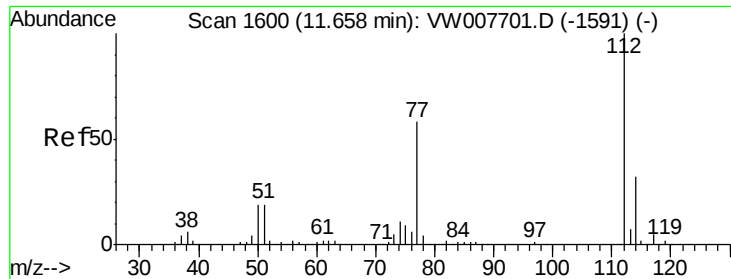
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





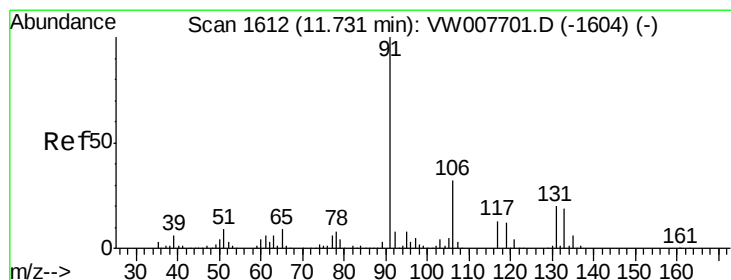
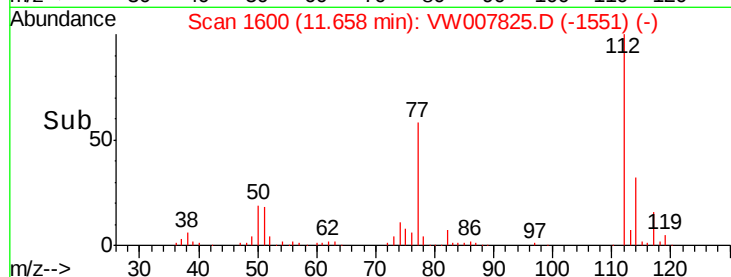
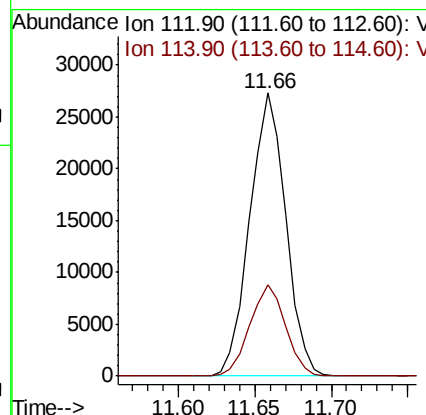
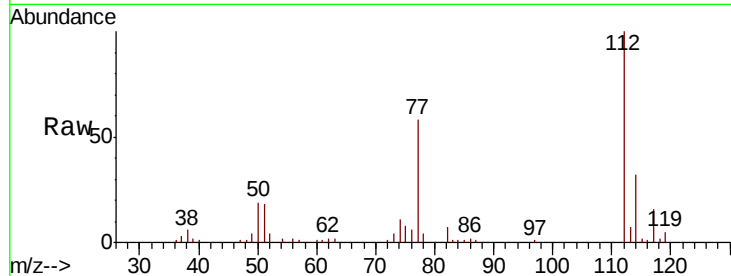
#65
Chlorobenzene
Concen: 20.873 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion:112 Resp: 44683
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8

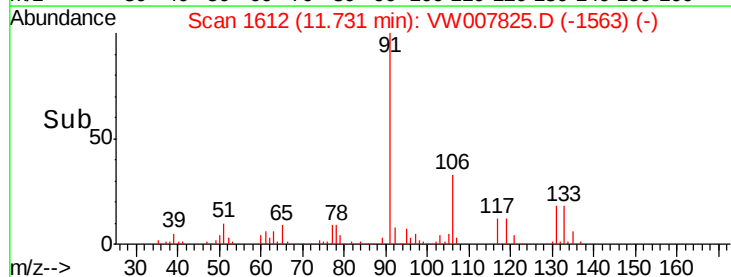
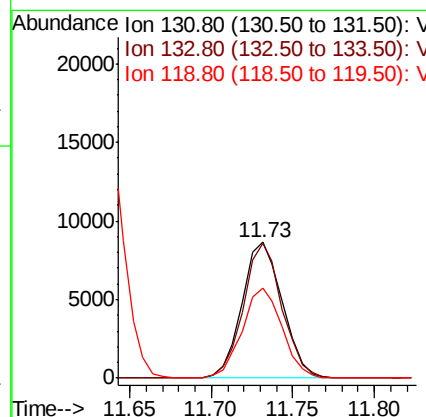
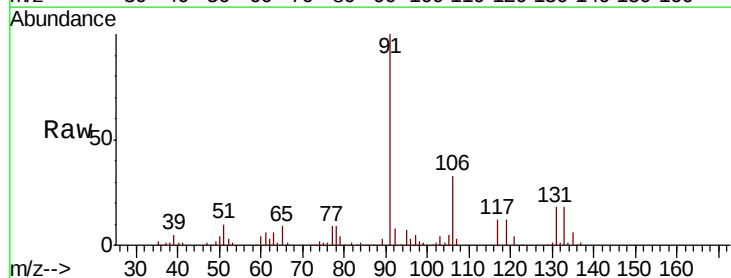
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.467 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion:131 Resp: 14891
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.5
119 65.6 30.2 90.6





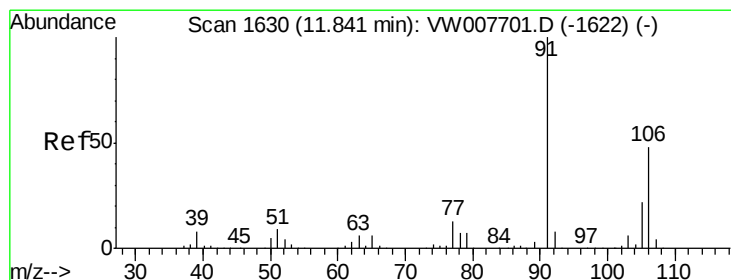
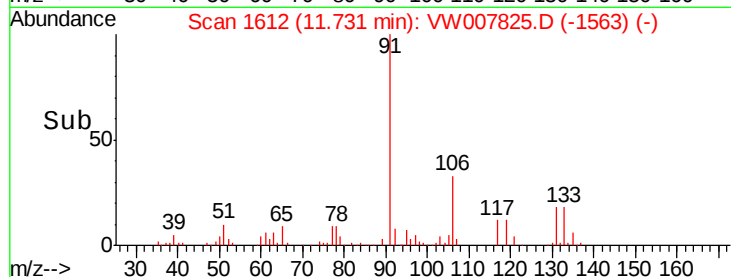
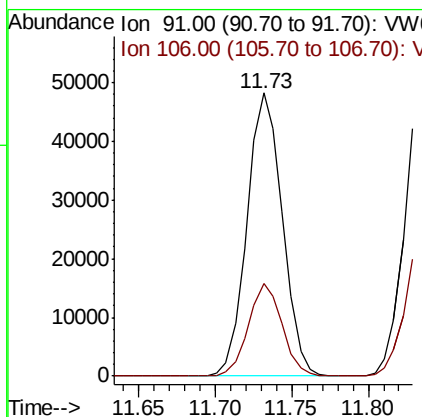
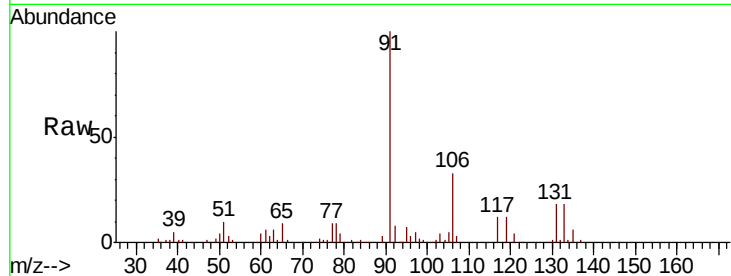
#67
Ethyl Benzene
Concen: 21.047 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 91 Resp: 77318
Ion Ratio Lower Upper
91 100
106 32.7 25.8 38.8

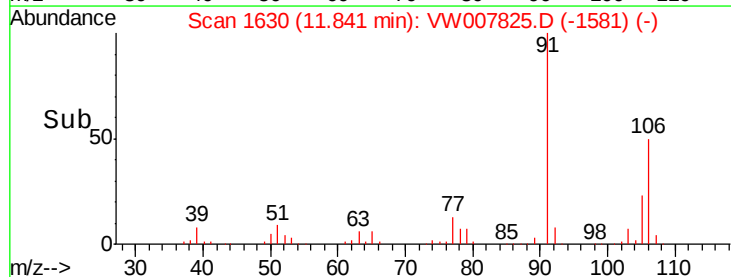
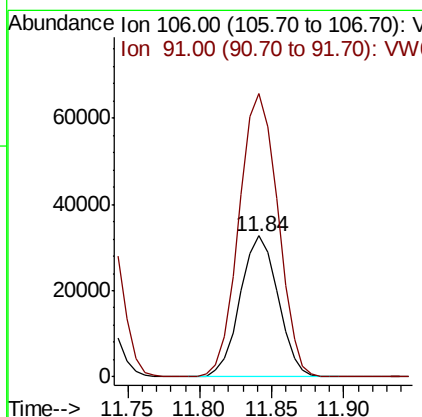
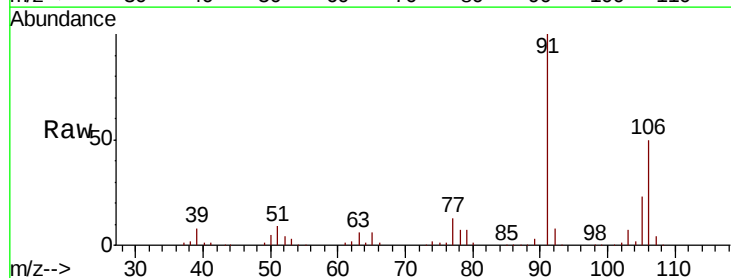
Manual Integrations
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#68
m/p-Xylenes
Concen: 41.980 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion:106 Resp: 59822
Ion Ratio Lower Upper
106 100
91 206.0 165.2 247.8





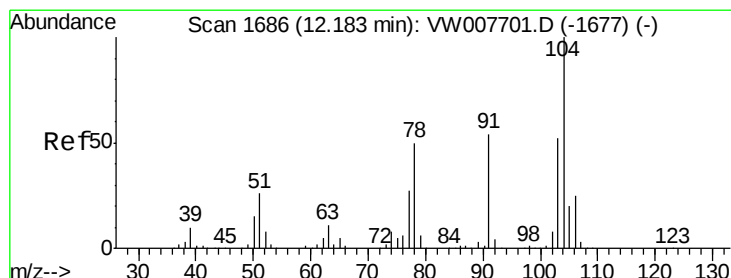
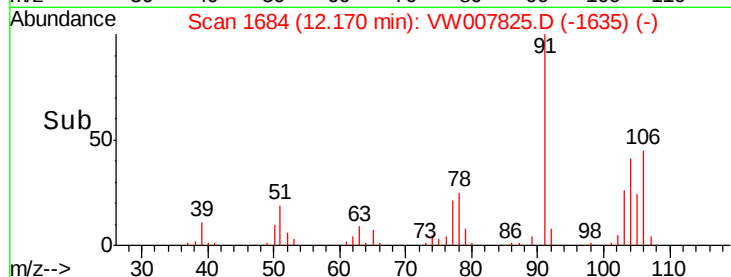
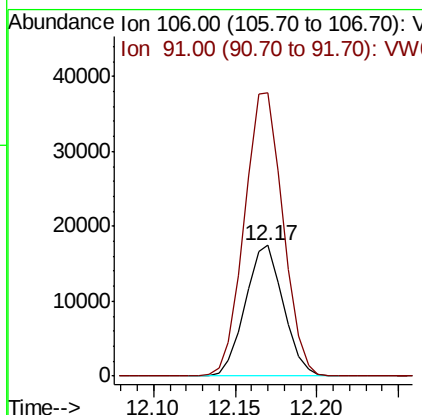
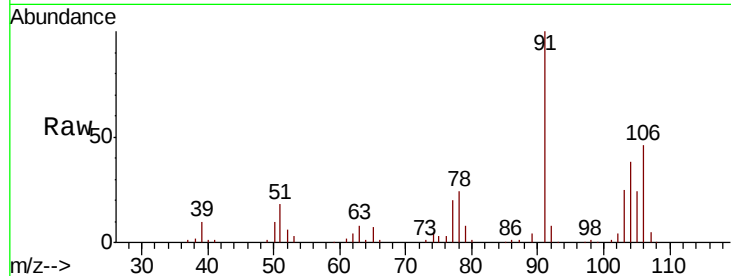
#69
o-Xylene
Concen: 21.175 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampled :
VW1223SBS02

Tot Ion:106 Resp: 28285
Ion Ratio Lower Upper
106 100
91 220.0 110.5 331.4

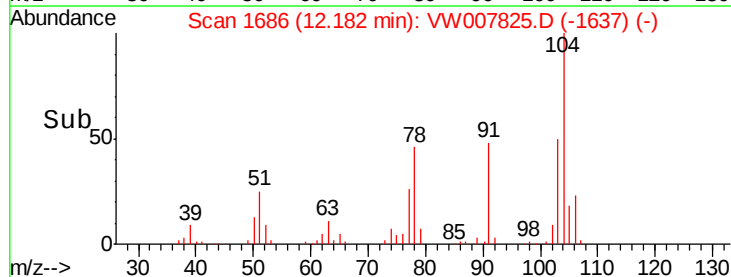
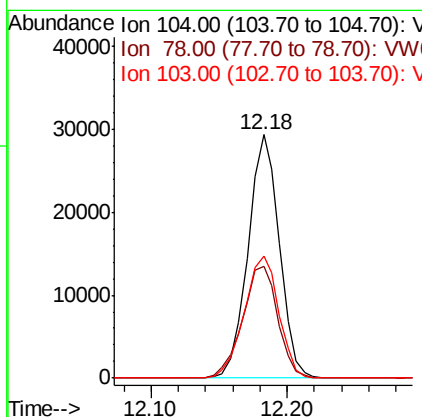
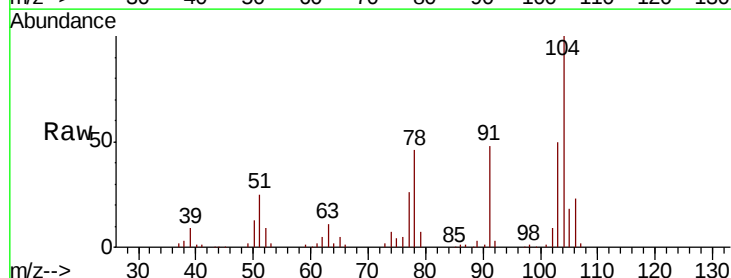
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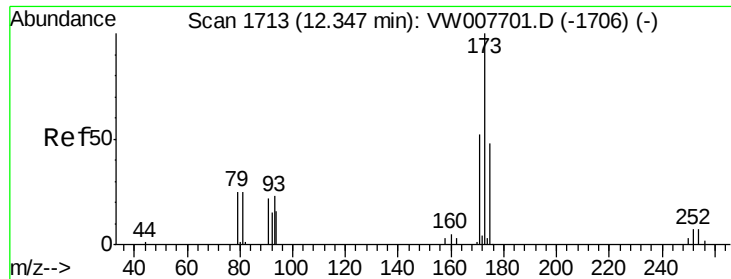
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#70
Styrene
Concen: 21.518 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion:104 Resp: 47248
Ion Ratio Lower Upper
104 100
78 52.1 43.4 65.0
103 55.5 44.5 66.7





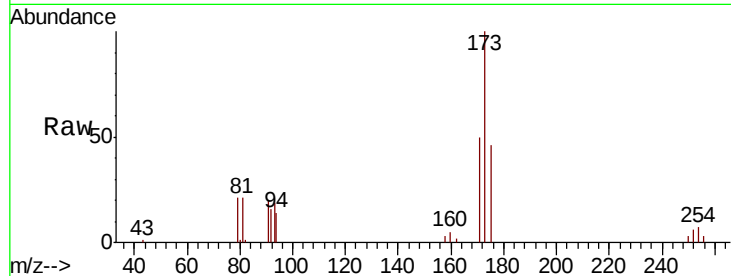
#71
Bromoform
Concen: 18.512 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.9	71.7
254	0.0	0.0	0.0

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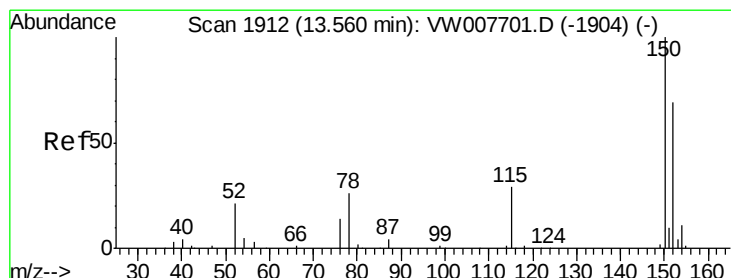
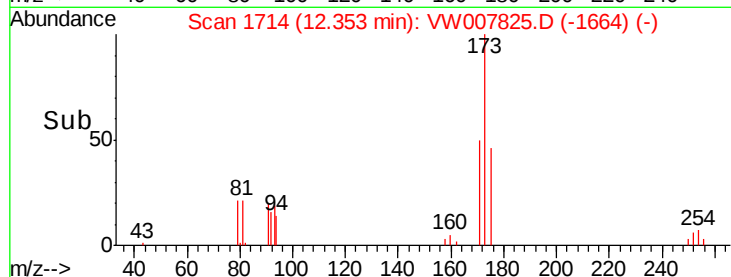
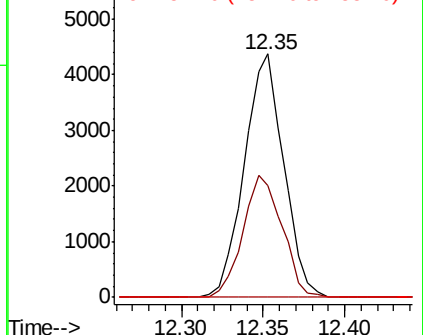


Abundance

Ion 172.70 (172.40 to 173.40): V

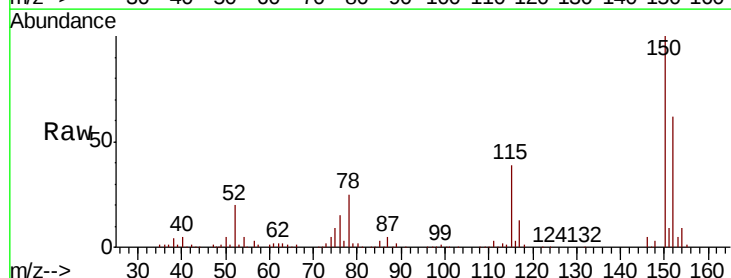
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.8	95.4
150	164.5	0.0	350.8

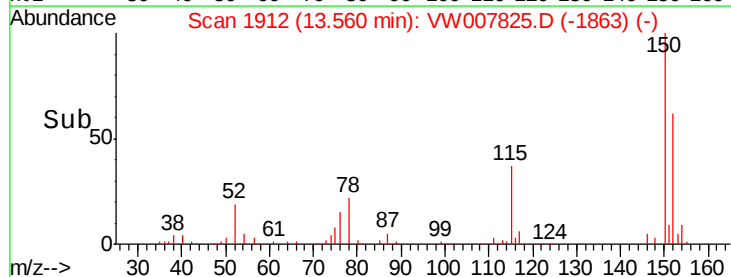
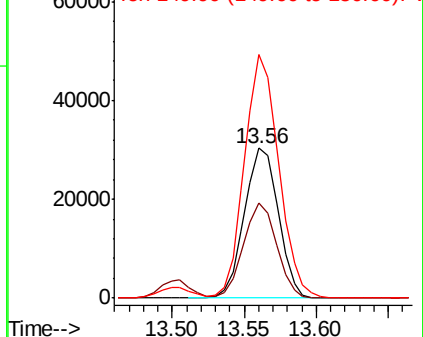


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.484 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion:105 Resp: 80071

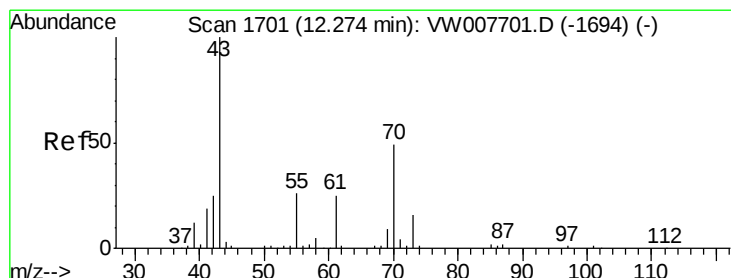
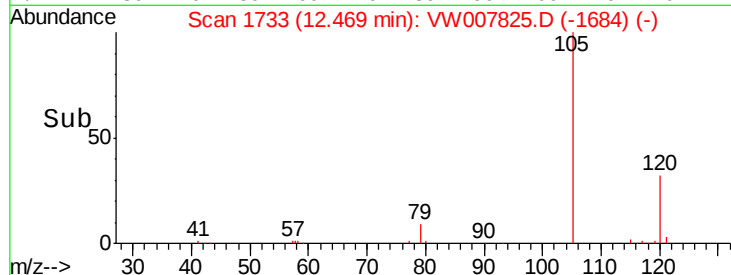
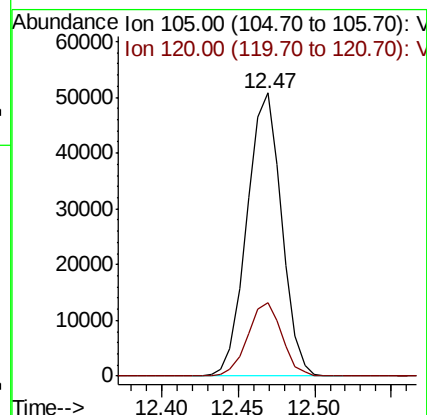
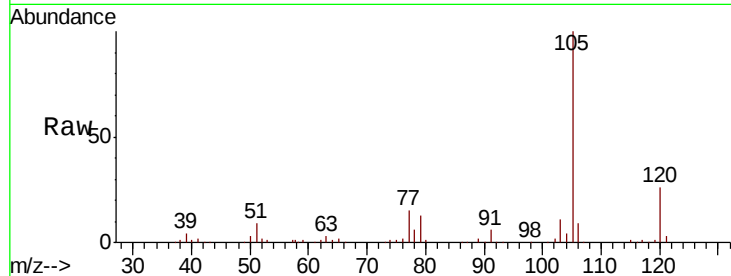
Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.3

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#74

N-ethyl acetate

Concen: 26.626 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Tgt Ion: 43 Resp: 17189

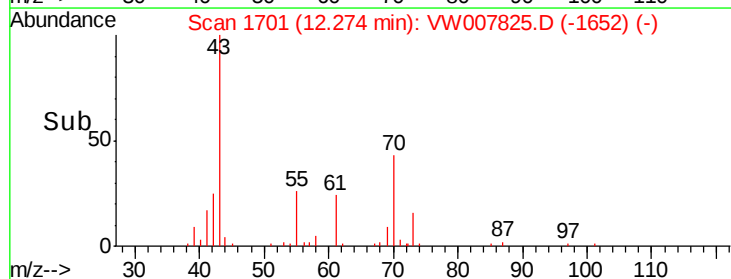
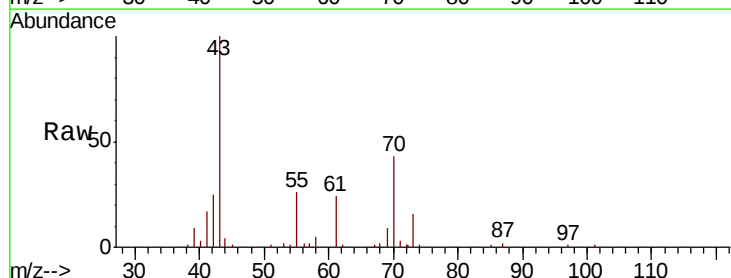
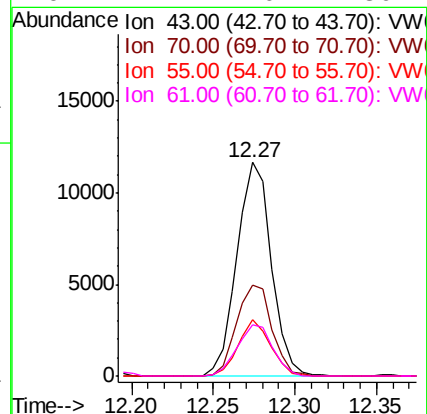
Ion Ratio Lower Upper

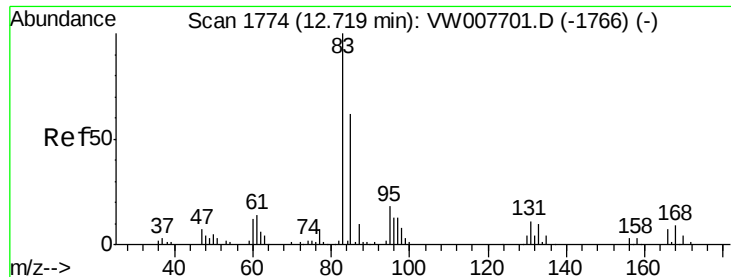
43 100

70 43.5 37.6 56.4

55 24.6 21.7 32.5

61 24.7 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.974 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

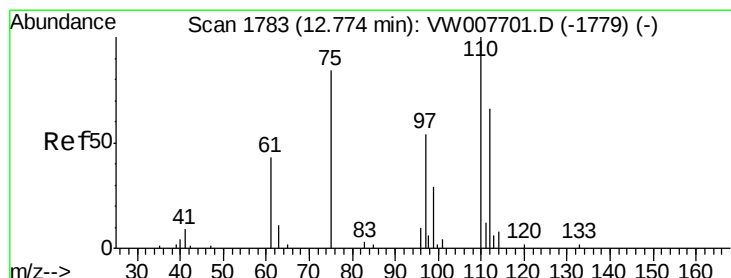
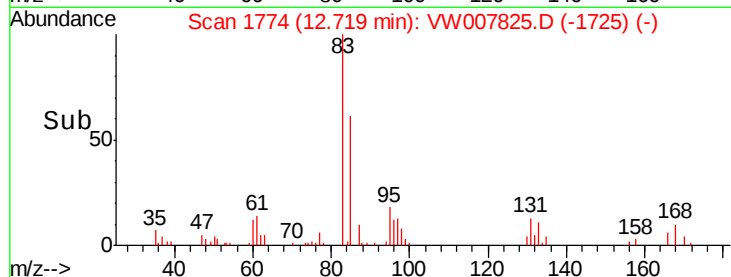
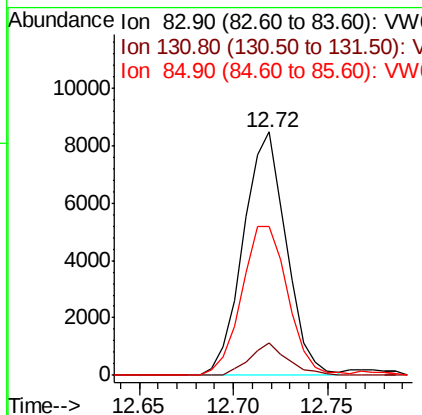
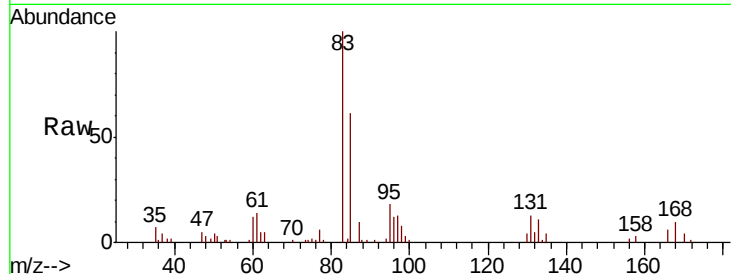
ClientSampleId :

VW1223SBS02

Tot Ion:	83	Resp:	13397
Ion Ratio	Lower	Upper	
83	100		
131	11.7	6.3	18.8
85	65.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 27.654 ug/l m

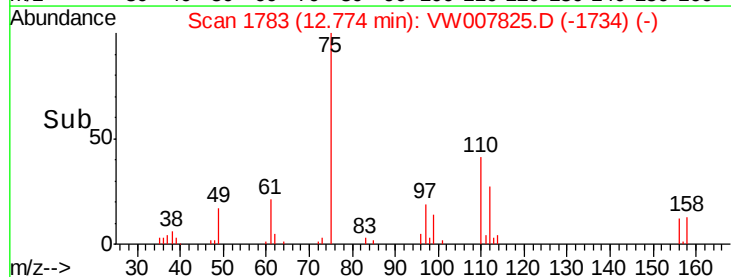
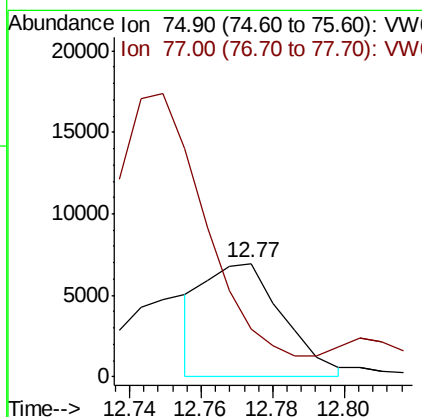
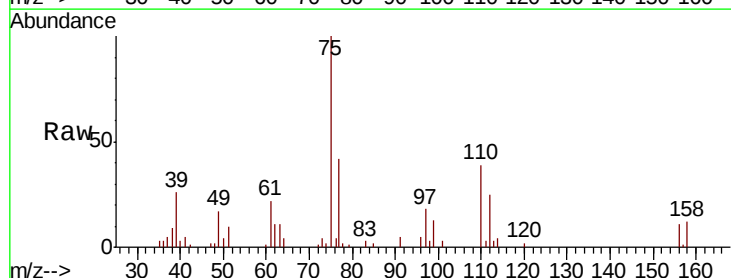
RT: 12.77 min Scan# 1783

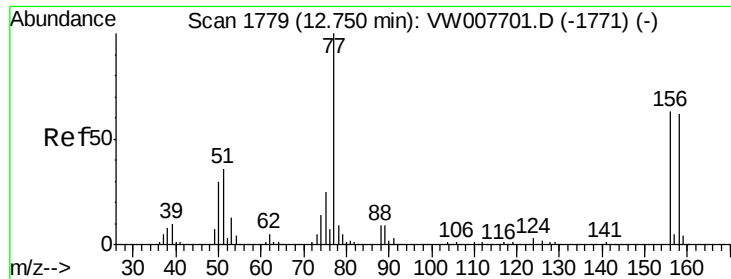
Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Tgt Ion:	75	Resp:	10539
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.086 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

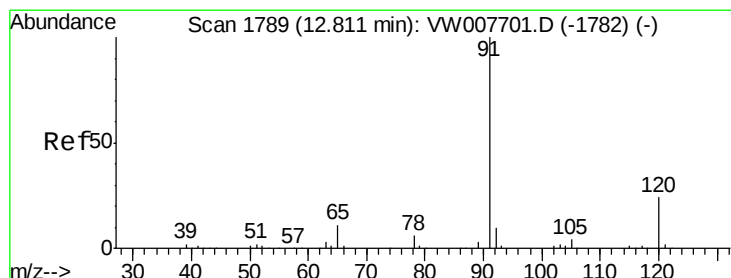
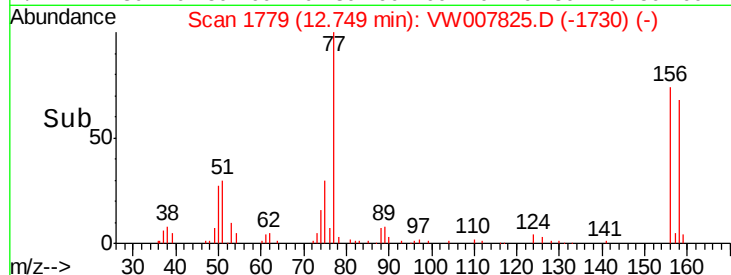
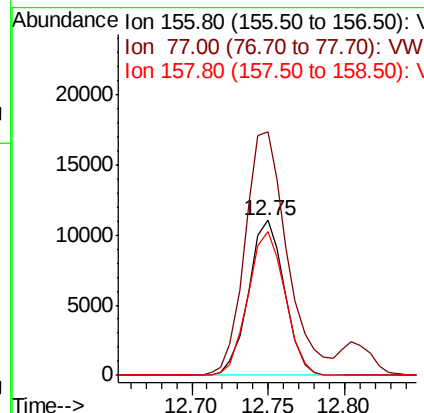
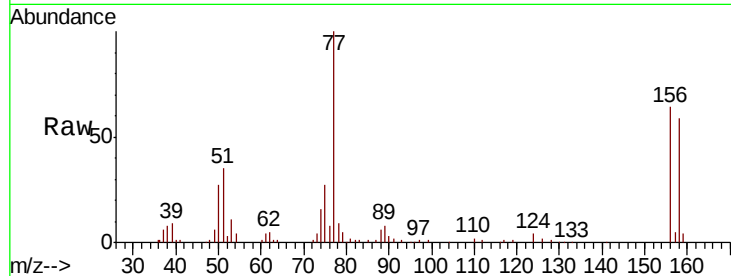
ClientSampleId :

VW1223SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		18011		
77	185.6	87.4	262.1		
158	95.1	48.4	145.0		

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#78

n-propylbenzene

Concen: 21.288 ug/l

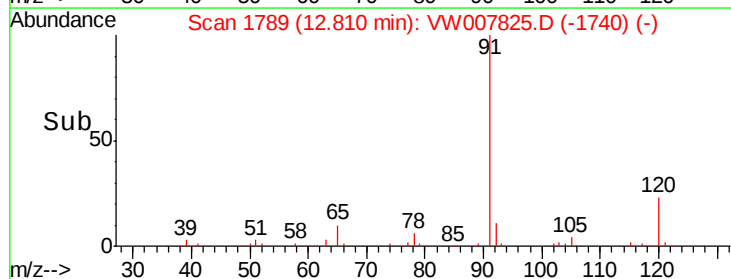
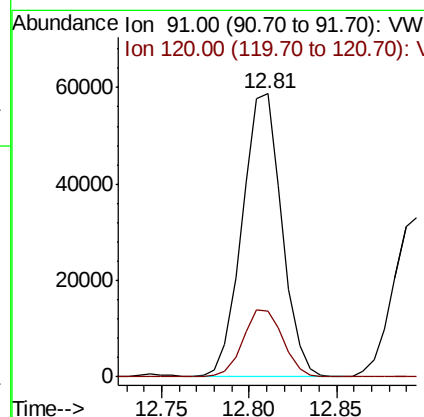
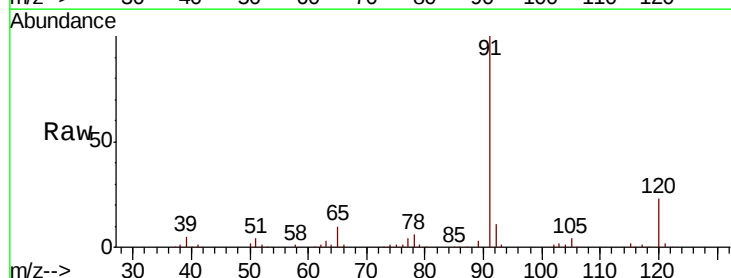
RT: 12.81 min Scan# 1789

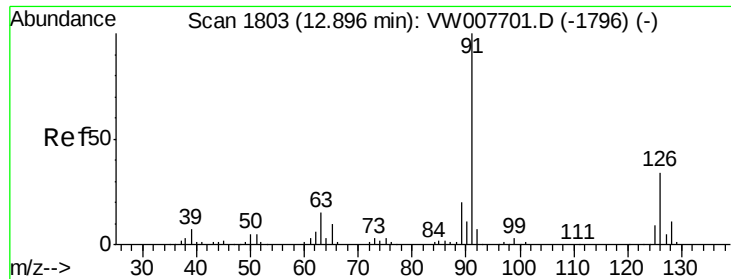
Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		92357		
120	23.7	11.9	35.7		





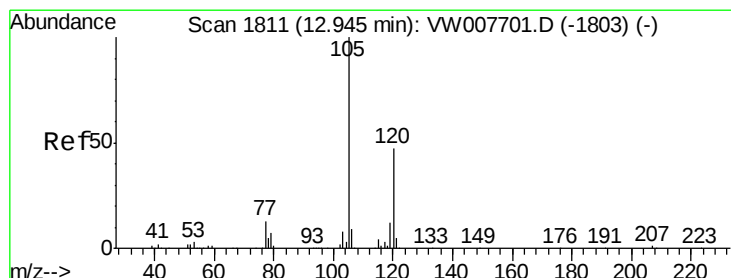
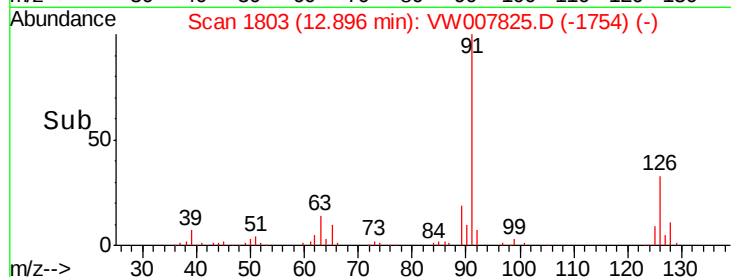
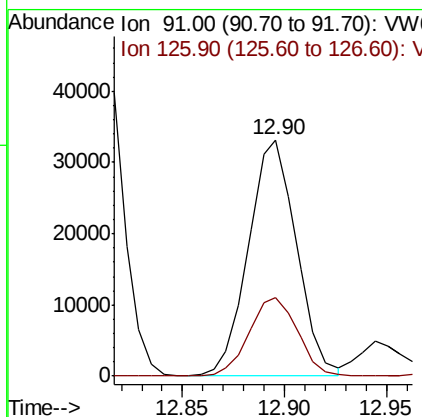
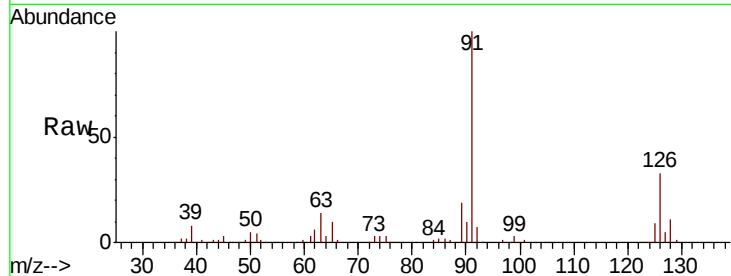
#79
 2-Chlorotoluene
 Concen: 21.560 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion: 91 Resp: 54490
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.0 51.0

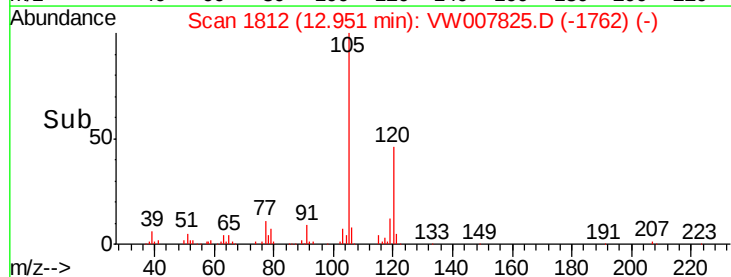
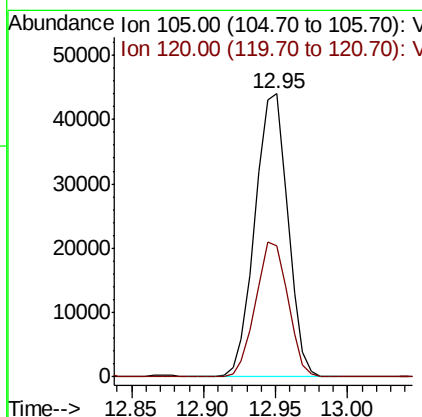
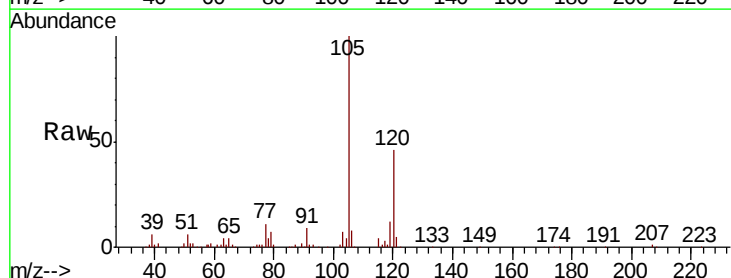
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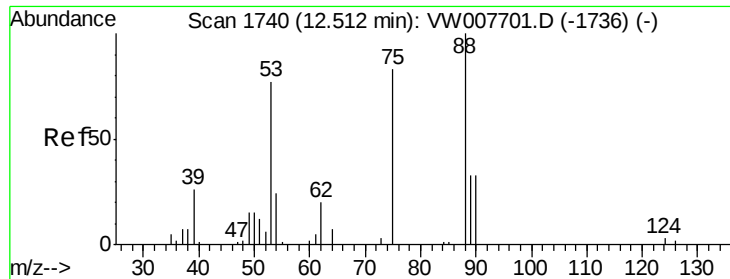
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.602 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Tgt Ion:105 Resp: 69446
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.024 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Instrument :

MSVOA_W

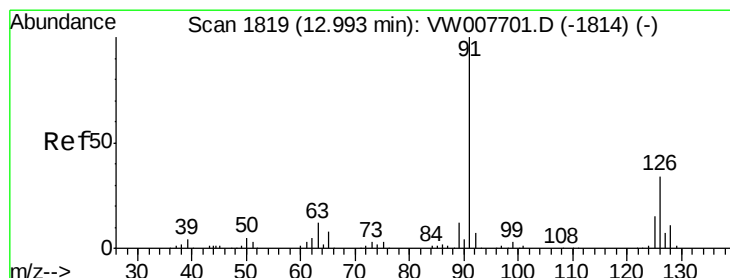
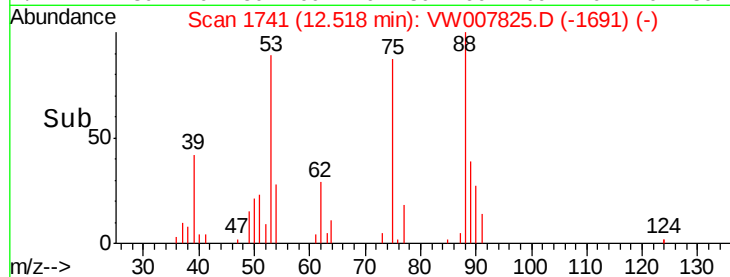
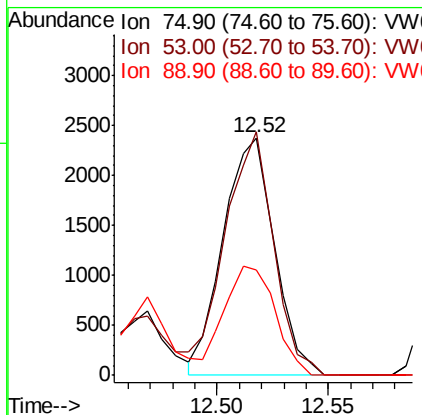
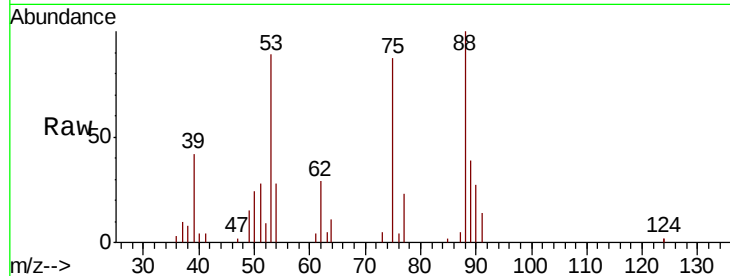
ClientSampleId :

VW1223SBS02

Tot Ion:	75	Resp:	3817
Ion Ratio	Lower	Upper	
75	100		
53	96.6	80.2	120.2
89	45.2	39.2	58.8

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#82

4-Chlorotoluene

Concen: 21.078 ug/l

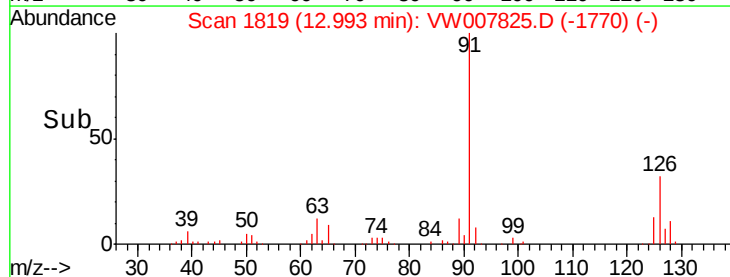
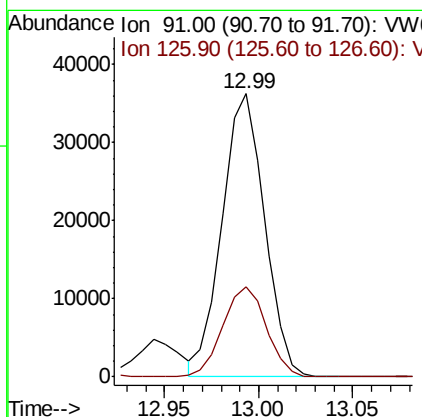
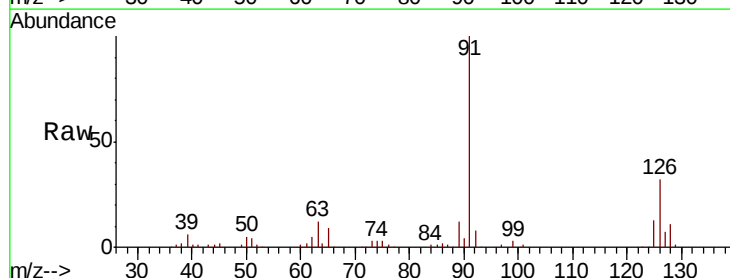
RT: 12.99 min Scan# 1819

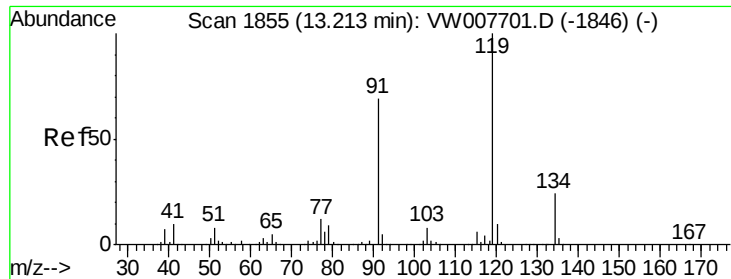
Delta R.T. -0.00 min

Lab File: VW007825.D

Acq: 22 Dec 2018 07:05

Tgt Ion:	91	Resp:	56722
Ion Ratio	Lower	Upper	
91	100		
126	32.7	16.5	49.5





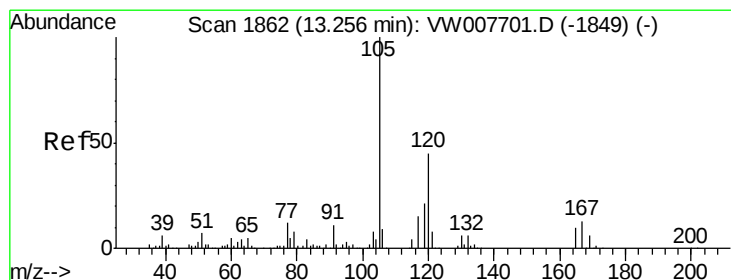
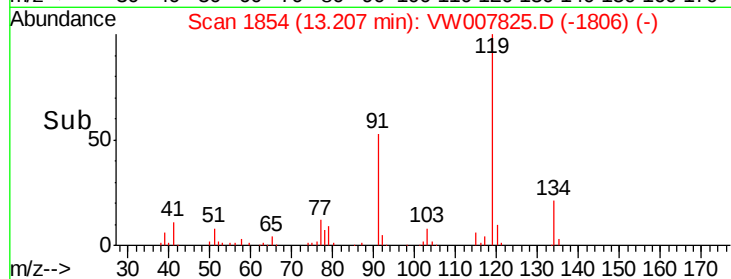
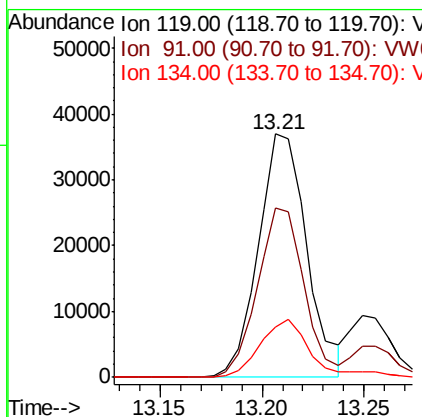
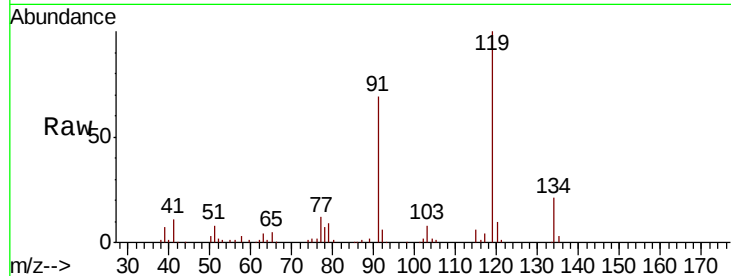
#83
tert-Butylbenzene
Concen: 21.765 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	34.2	102.5
134	24.8	12.8	38.4

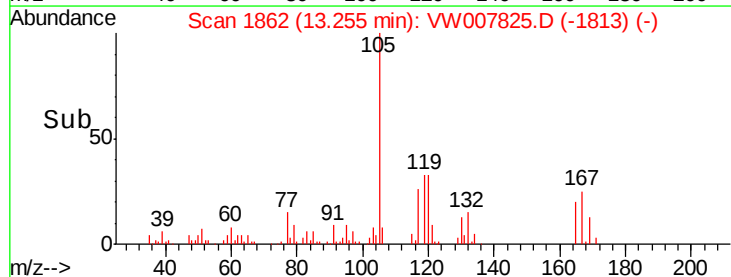
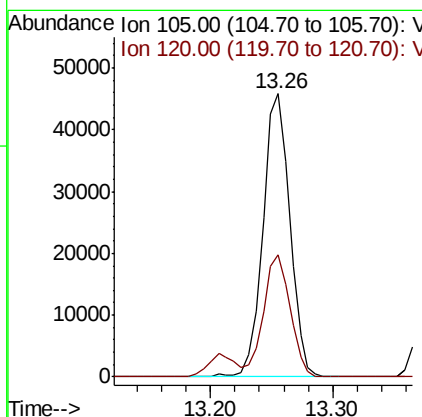
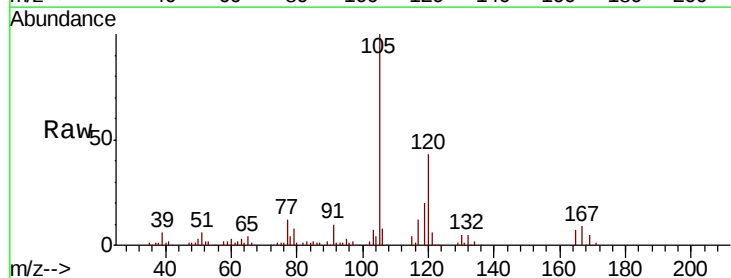
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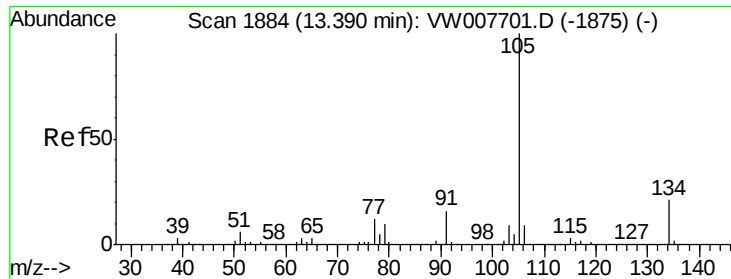
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#84
1,2,4-Trimethylbenzene
Concen: 21.682 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.0	66.0





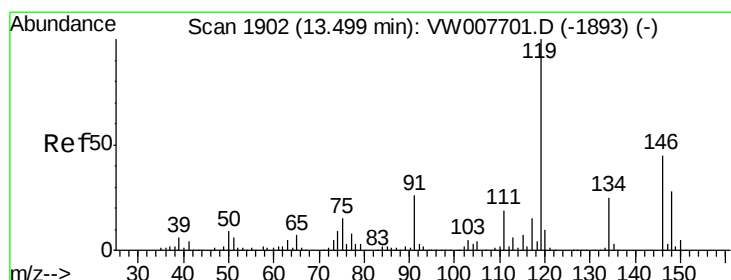
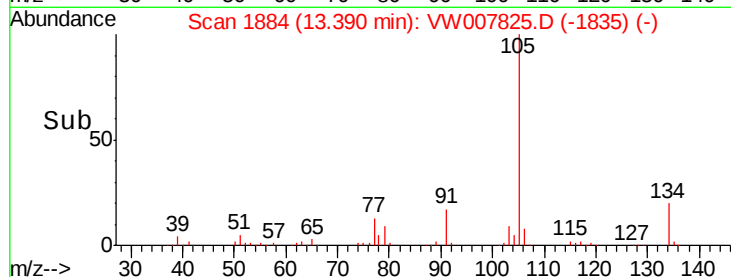
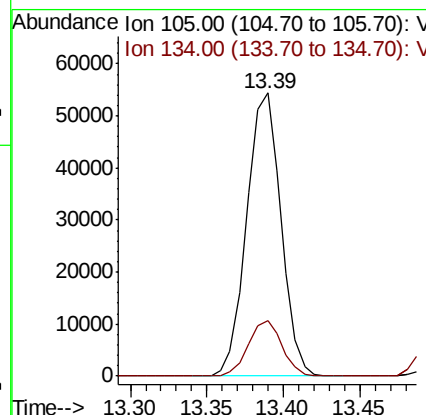
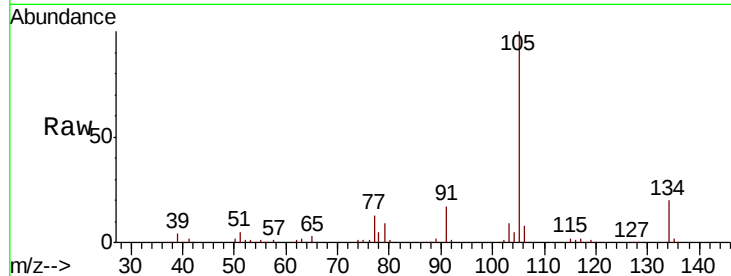
#85
 sec-Butylbenzene
 Concen: 21.776 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion:105 Resp: 84654
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.2 30.4

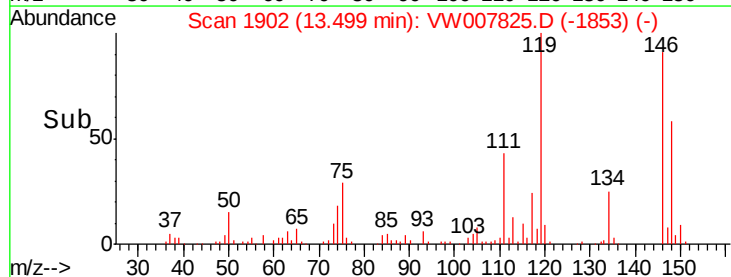
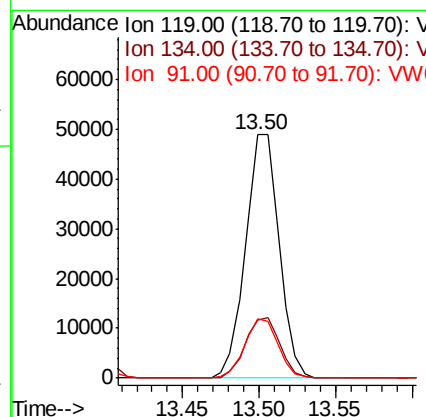
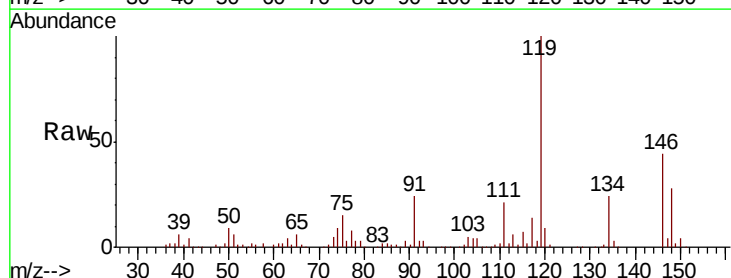
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#86
 p-Isopropyltoluene
 Concen: 21.117 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Tgt Ion:119 Resp: 74648
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 24.3 12.8 38.4





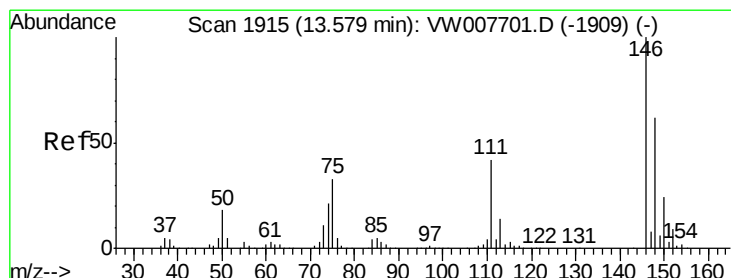
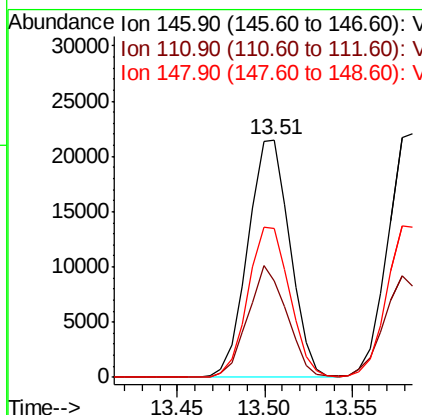
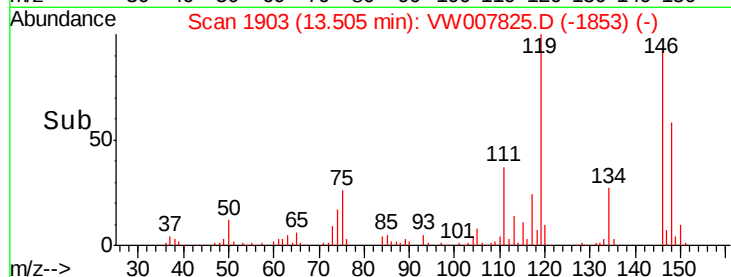
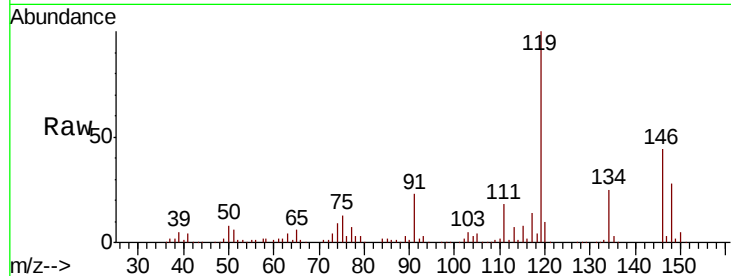
#87
 1,3-Dichlorobenzene
 Concen: 21.173 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.4
148	62.8	32.1	96.5

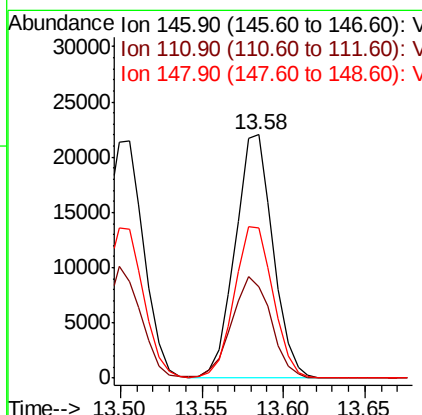
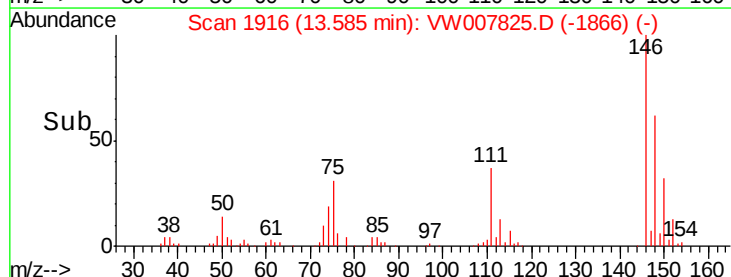
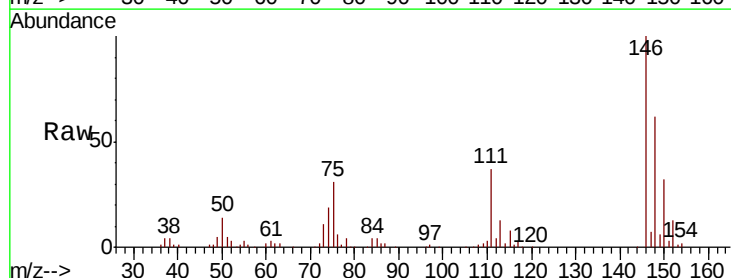
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#88
 1,4-Dichlorobenzene
 Concen: 21.025 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.0	63.0
148	63.5	31.8	95.4





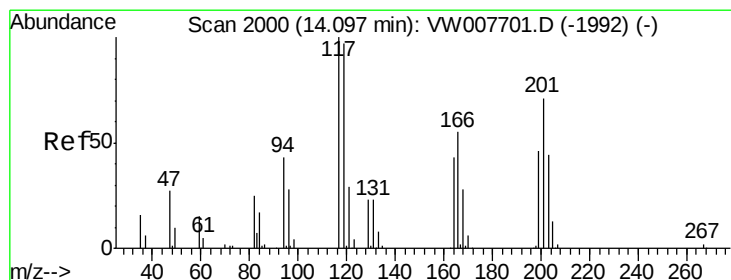
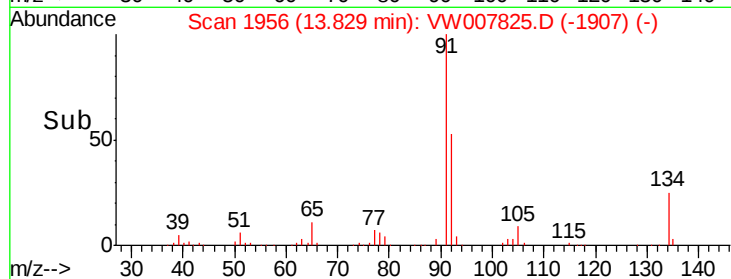
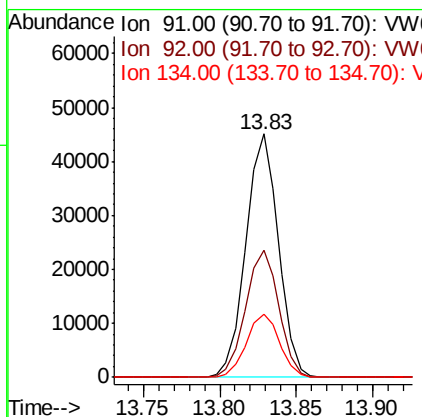
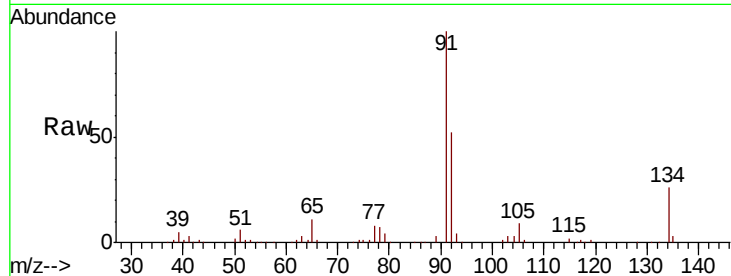
#89
n-Butylbenzene
Concen: 20.571 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.2
134	26.6	13.7	41.0

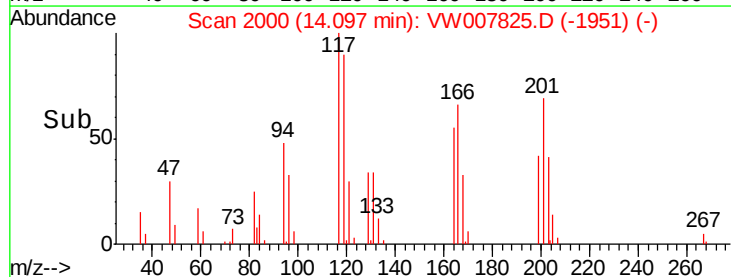
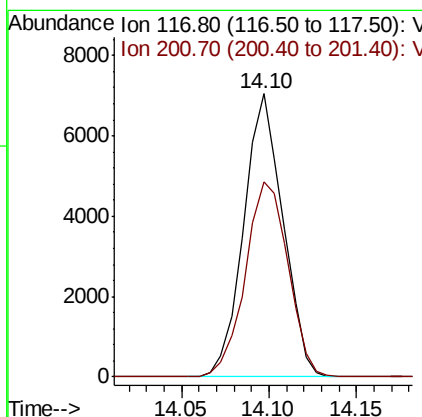
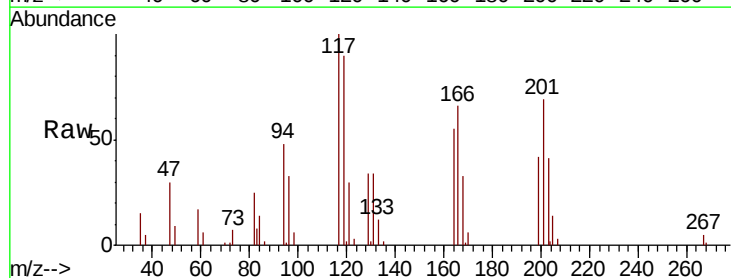
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#90
Hexachloroethane
Concen: 17.695 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	36.2	108.6





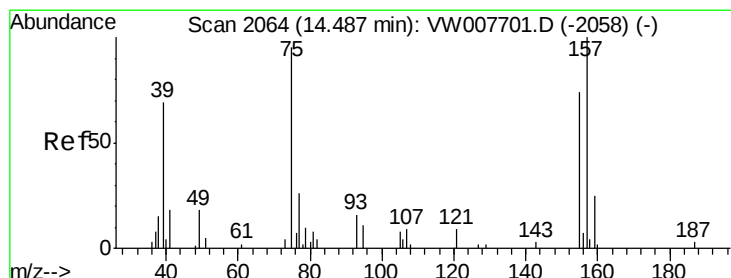
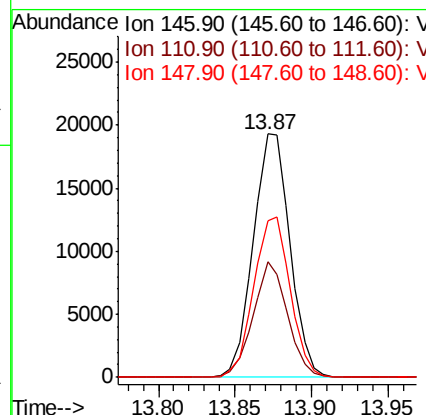
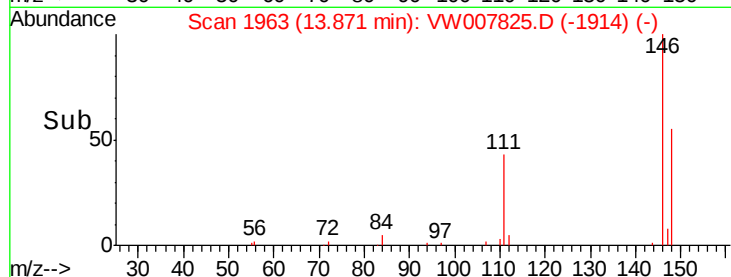
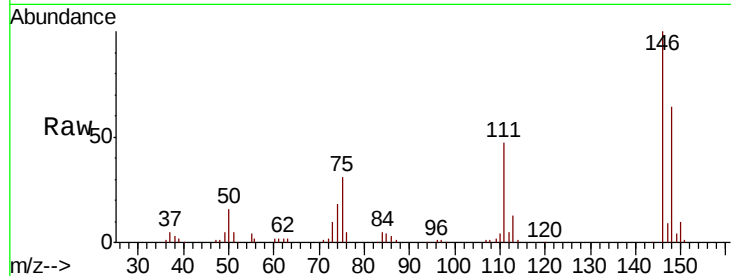
#91
 1,2-Dichlorobenzene
 Concen: 21.268 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.7	65.1
148	65.2	32.1	96.5

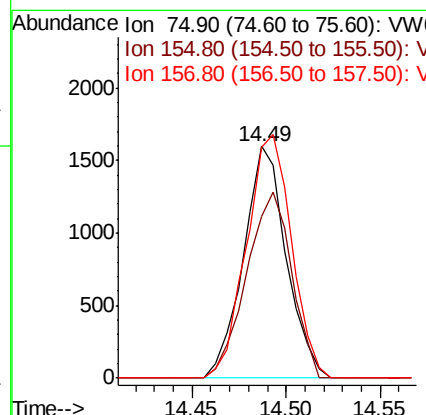
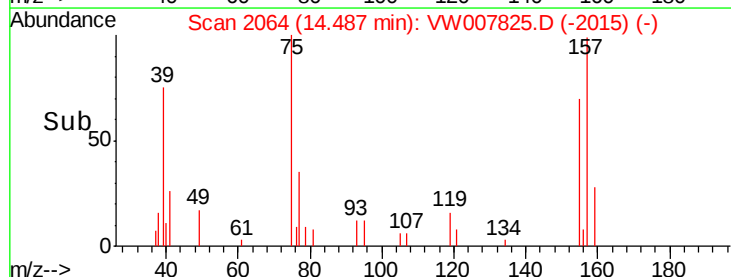
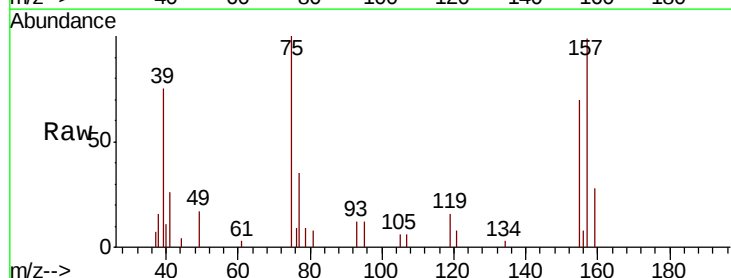
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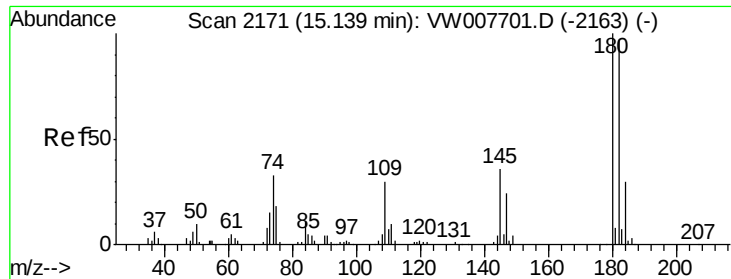
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.968 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007825.D
 Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	39.4	118.1
157	110.3	52.0	156.0





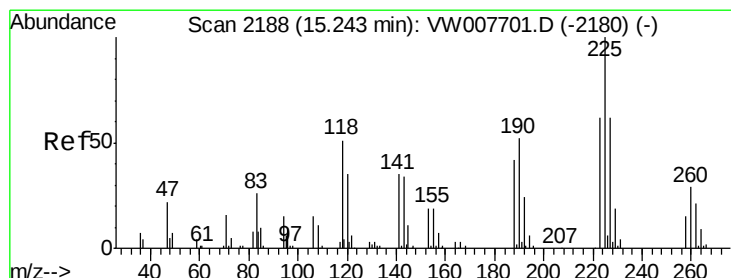
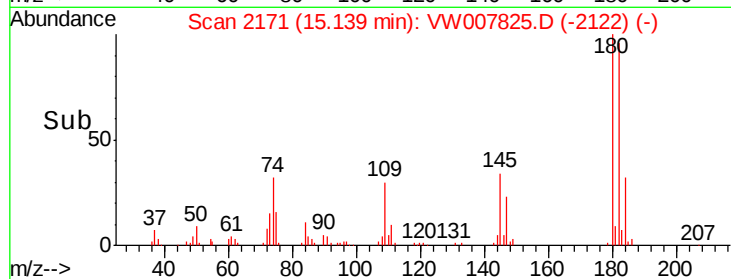
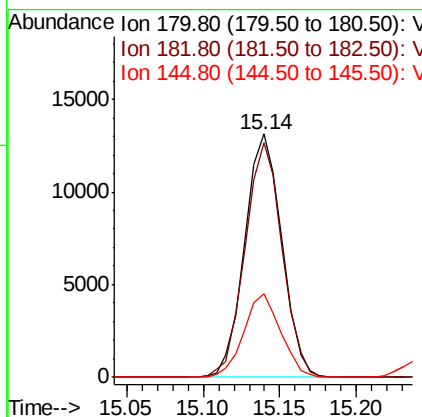
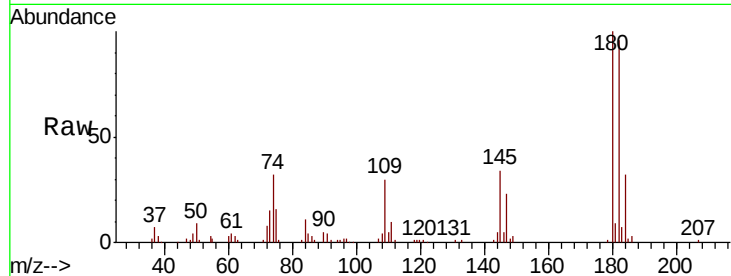
#93
1,2,4-Trichlorobenzene
Concen: 21.013 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	22148		
182	95.9	47.5	142.6	
145	34.1	17.5	52.5	

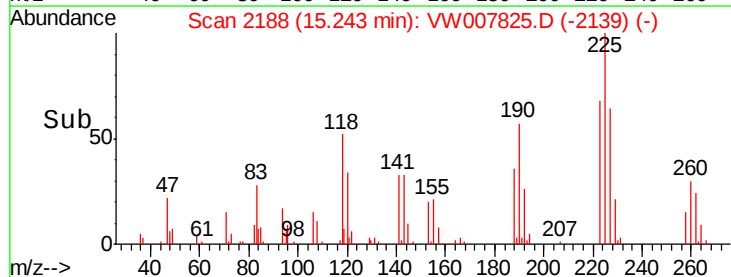
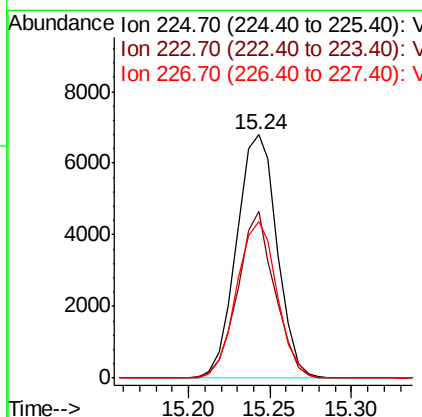
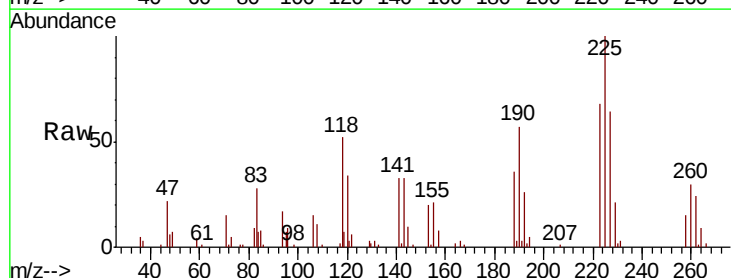
Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:00:12 AM



#94
Hexachlorobutadiene
Concen: 20.801 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11717		
223	62.5	31.6	94.8	
227	64.2	32.1	96.3	





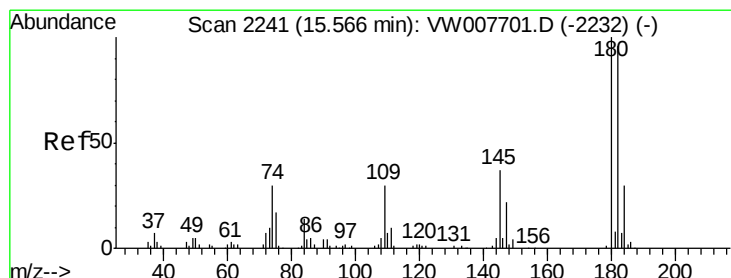
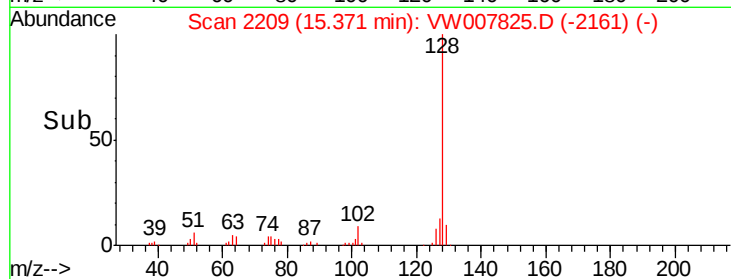
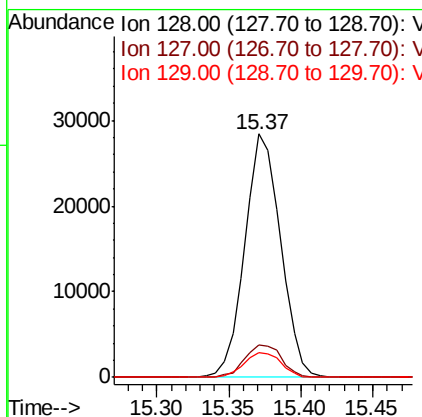
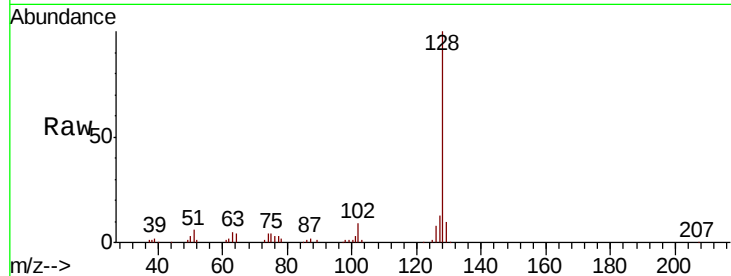
#95
Naphthalene
Concen: 25.054 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:00:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.115 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007825.D
Acq: 22 Dec 2018 07:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	36.2	18.4	55.0

