

Data File : VW008991.D
Acq On : 05 Mar 2019 12:44
Operator : SY/VA
Sample : VW0305SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Manual Integrations
APPROVED

MMDadoda
3/8/2019 10:54:16 AM

Quant Time: Mar 06 07:19:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209845	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	125789	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.88	113	113385	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	10.32	98	449203	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.62	95	174965	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	52775	19.064	ug/l	96
3) Chloromethane	2.21	50	66678	19.787	ug/l	99
4) Vinyl Chloride	2.35	62	68178	19.109	ug/l	99
5) Bromomethane	2.76	94	66297	25.017	ug/l	99
6) Chloroethane	2.92	64	51377	20.278	ug/l	98
7) Trichlorofluoromethane	3.26	101	94317	20.901	ug/l	98
8) Diethyl Ether	3.68	74	27874	19.511	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57995	21.164	ug/l	99
10) Methyl Iodide	4.27	142	53023	15.474	ug/l	99
11) Tert butyl alcohol	5.20	59	18783	81.385	ug/l #	79
12) 1,1-Dichloroethene	4.04	96	50781	20.983	ug/l	96
13) Acrolein	3.90	56	15275	77.563	ug/l	95
14) Allyl chloride	4.67	41	85015	20.354	ug/l	95
15) Acrylonitrile	5.37	53	59024	96.269	ug/l	98
16) Acetone	4.14	43	57811	96.208	ug/l	99
17) Carbon Disulfide	4.37	76	153145	19.073	ug/l	98
18) Methyl Acetate	4.68	43	27294	19.150	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	131888	20.134	ug/l	99
20) Methylene Chloride	4.92	84	64559	18.601	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	56103	20.041	ug/l	92
22) Diisopropyl ether	6.32	45	174830	20.983	ug/l	96
23) Vinyl Acetate	6.26	43	525961	102.169	ug/l	99
24) 1,1-Dichloroethane	6.22	63	102698	21.270	ug/l	98
25) 2-Butanone	7.17	43	84250	100.287	ug/l	96
26) 2,2-Dichloropropane	7.17	77	94677	21.599	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	61317	20.477	ug/l	99
28) Bromochloromethane	7.51	49	44579	22.064	ug/l	98
29) Tetrahydrofuran	7.53	42	50993	95.249	ug/l	99
30) Chloroform	7.67	83	104207	21.038	ug/l	96
31) Cyclohexane	7.95	56	99298	20.318	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	98013	21.759	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84999	21.901	ug/l	98
37) Ethyl Acetate	7.26	43	37820	20.956	ug/l	97
38) Carbon Tetrachloride	8.07	117	88756	21.685	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99127	20.477	ug/l	97
40) Benzene	8.32	78	221791	20.931	ug/l	98
41) Methacrylonitrile	7.49	41	21143	19.930	ug/l	95
42) 1,2-Dichloroethane	8.40	62	71573	21.322	ug/l	100
43) Isopropyl Acetate	8.43	43	69123	19.190	ug/l	98
44) Trichloroethene	9.09	130	62740	21.018	ug/l	95
45) 1,2-Dichloropropane	9.37	63	57139	21.821	ug/l	99
46) Dibromomethane	9.46	93	30019	20.610	ug/l	95
47) Bromodichloromethane	9.64	83	76871	21.692	ug/l	94
48) Methyl methacrylate	9.43	41	31306	18.147	ug/l	93
49) 1,4-Dioxane	9.46	88	7434	318.717	ug/l #	69
51) 4-Methyl-2-Pentanone	10.21	43	175221	95.817	ug/l	100
52) Toluene	10.39	92	151621	21.083	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74067	20.506	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	86242	20.935	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	41047	20.780	ug/l	96
56) Ethyl methacrylate	10.65	69	49015	19.100	ug/l	97
57) 1,3-Dichloropropane	10.93	76	71728	20.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	138460	107.275	ug/l	99
59) 2-Hexanone	10.97	43	126548	97.214	ug/l	99
60) Dibromochloromethane	11.13	129	49773	20.659	ug/l	96
61) 1,2-Dibromoethane	11.24	107	39071	19.983	ug/l	100
64) Tetrachloroethene	10.86	164	56493	20.654	ug/l	96
65) Chlorobenzene	11.66	112	166665	20.744	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	54728	20.145	ug/l	96
67) Ethyl Benzene	11.73	91	299474	20.850	ug/l	99
68) m/p-Xylenes	11.84	106	239239	41.688	ug/l	99
69) o-Xylene	12.17	106	110833	20.576	ug/l	97
70) Styrene	12.18	104	176594	20.378	ug/l	99
71) Bromoform	12.35	173	28652	19.621	ug/l #	95
73) Isopropylbenzene	12.47	105	305634	21.246	ug/l	100
74) N-amyl acetate	12.27	43	68838	18.997	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	45836	19.500	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34726m	20.043	ug/l	
77) Bromobenzene	12.75	156	70756	20.814	ug/l	99
78) n-propylbenzene	12.80	91	380217	21.607	ug/l	100
79) 2-Chlorotoluene	12.90	91	213624	21.382	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	263432	21.072	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14365	20.157	ug/l	96
82) 4-Chlorotoluene	12.99	91	220625	20.955	ug/l	99
83) tert-Butylbenzene	13.21	119	233341	21.587	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	266436	20.588	ug/l	100
85) sec-Butylbenzene	13.38	105	331011	21.296	ug/l	99
86) p-Isopropyltoluene	13.50	119	296156	20.784	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	149305	21.169	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	149155	21.457	ug/l	99
89) n-Butylbenzene	13.83	91	279495	20.937	ug/l	99
90) Hexachloroethane	14.10	117	50165	21.506	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	131050	20.853	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8483	19.950	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030519\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89287	19.718	ug/l	98
94) Hexachlorobutadiene	15.24	225	58314	21.863	ug/l	99
95) Naphthalene	15.37	128	142233	18.449	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	77082	19.688	ug/l	97

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

Data File : VW008991.D

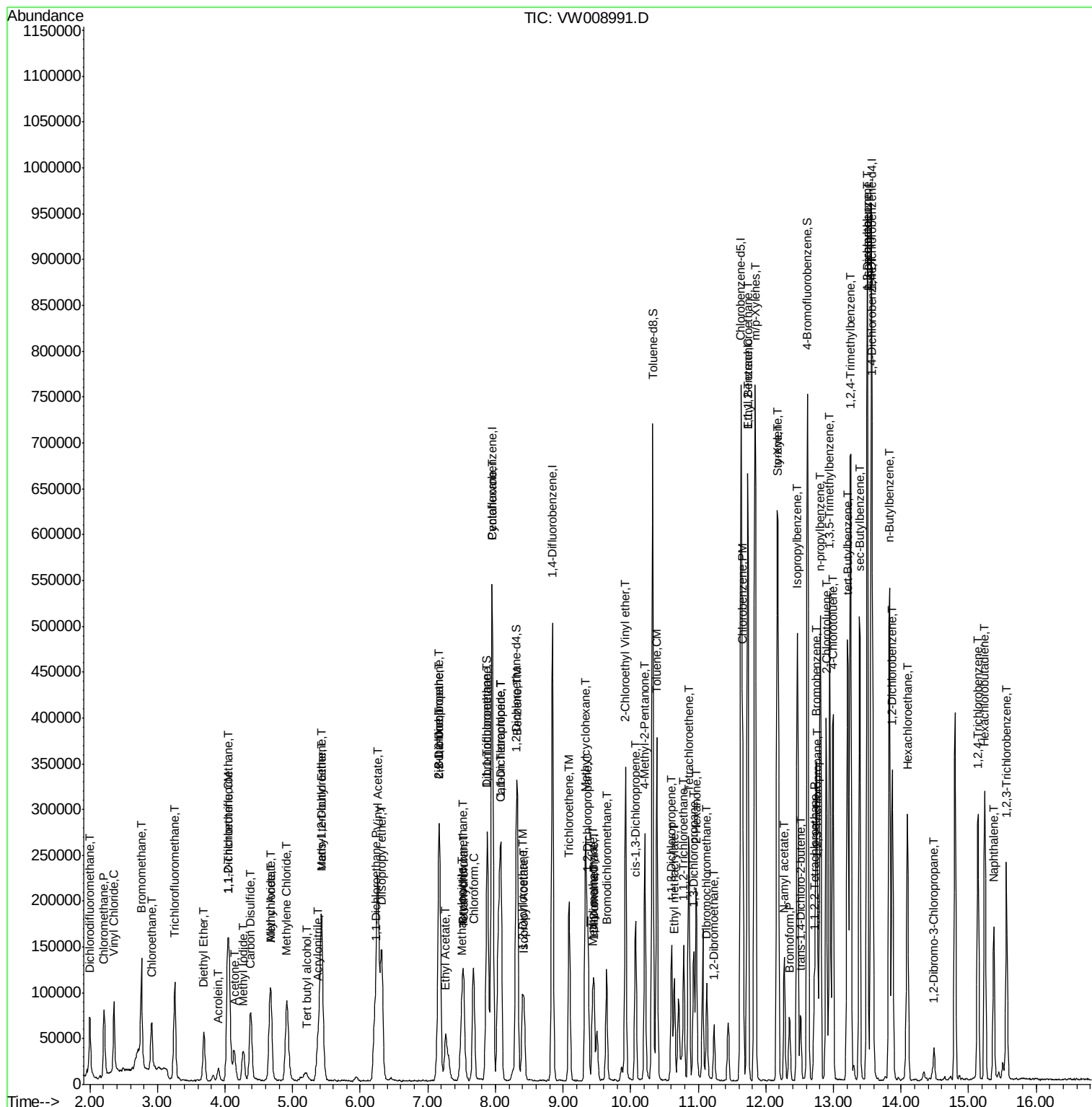
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Acq On       : 05 Mar 2019   12:44
Operator     : SY/VA
Sample       : VW0305SBSD02
Misc         : 5.00G/5ML/MSV0A_W/SOIL
ALS Vial     : 5      Sample Multiplier: 1
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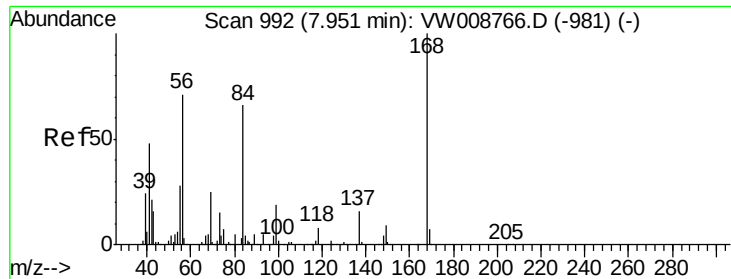
Instrument :
MSVOA_W
ClientSampleId :
VW0305SBSD02

Manual Integrations

MMDadoda
3/8/2019 10:54:16 AM

Quant Time: Mar 06 07:19:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 168 Resp: 276400

Ion Ratio Lower Upper

168 100

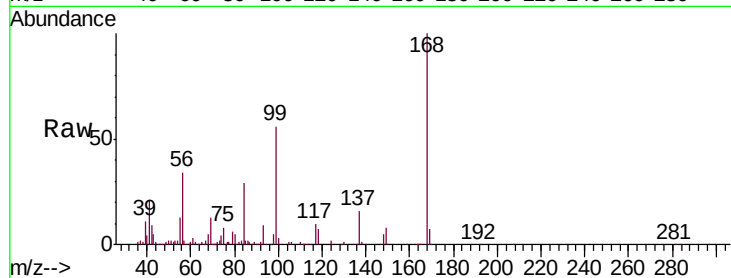
99 55.4 42.2 63.2

Manual Integrations

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3/8/2019 10:54:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

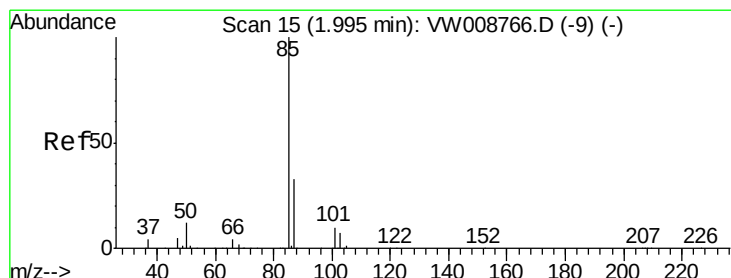
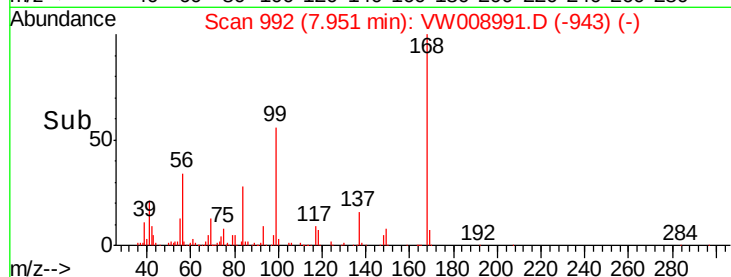
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.064 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008991.D

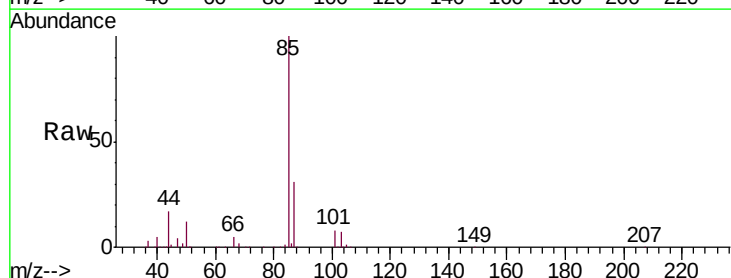
Acq: 05 Mar 2019 12:44

Tgt Ion: 85 Resp: 52775

Ion Ratio Lower Upper

85 100

87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

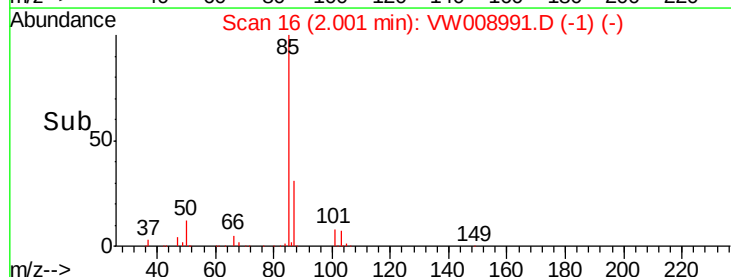
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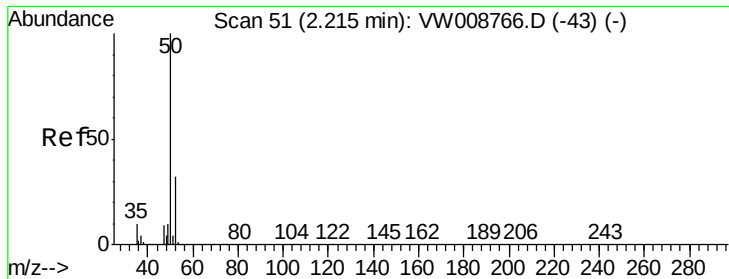
20000

10000

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Time-->





#3

Chloromethane

Concen: 19.787 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 50 Resp: 66678

Ion Ratio Lower Upper

50 100

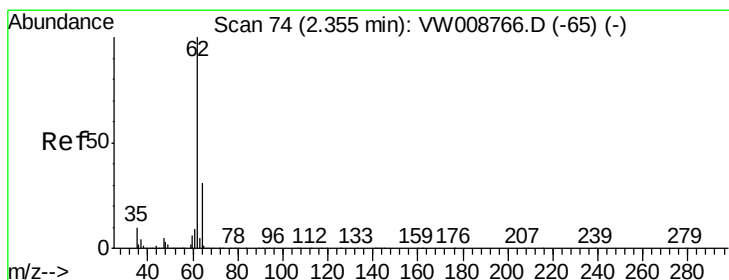
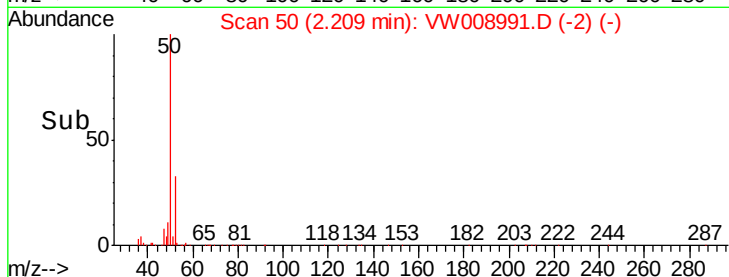
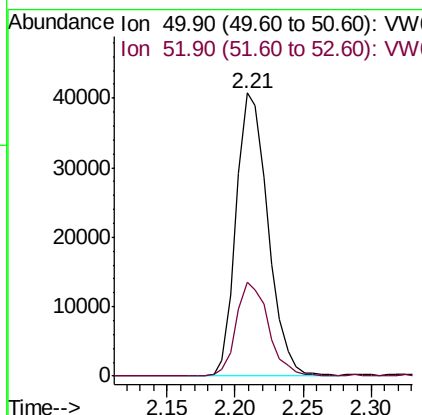
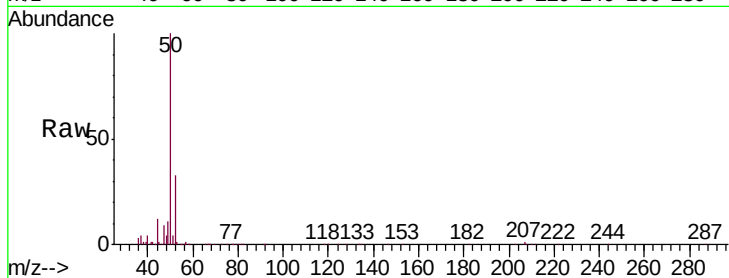
52 33.1 25.9 38.9

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 19.109 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008991.D

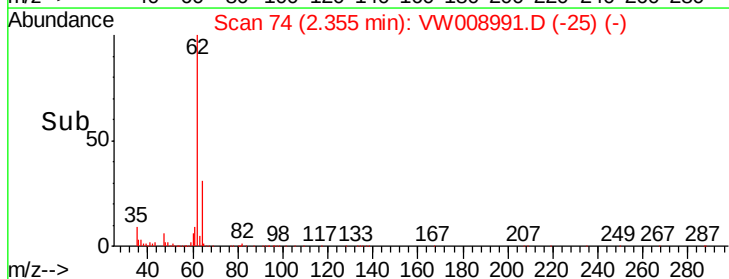
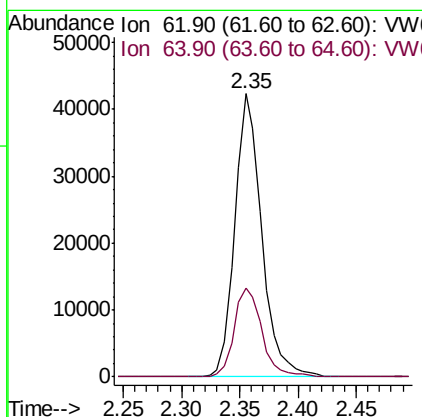
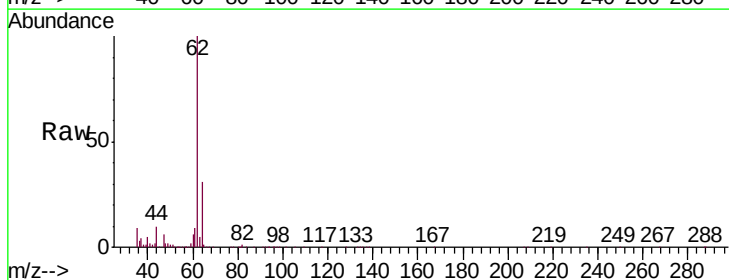
Acq: 05 Mar 2019 12:44

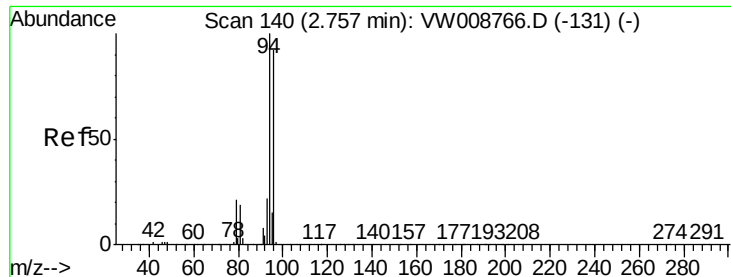
Tgt Ion: 62 Resp: 68178

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3





#5

Bromomethane

Concen: 25.017 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 94 Resp: 66297

Ion Ratio Lower Upper

94 100

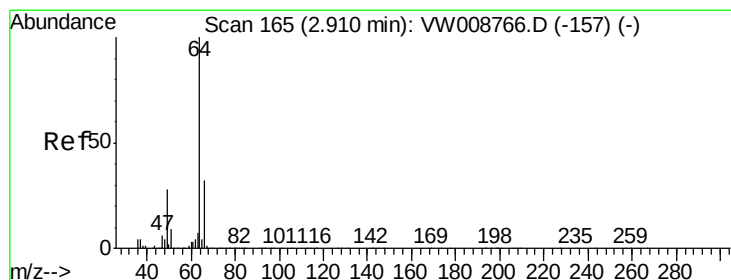
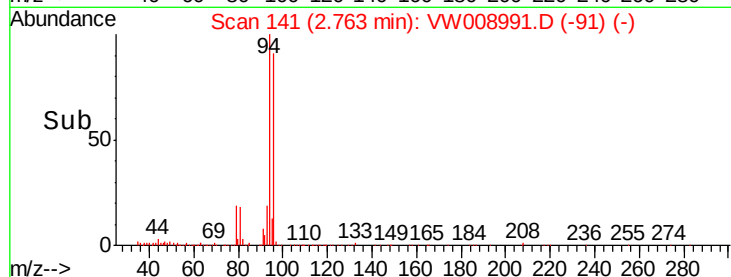
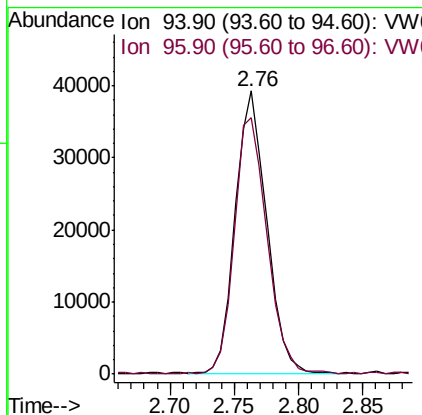
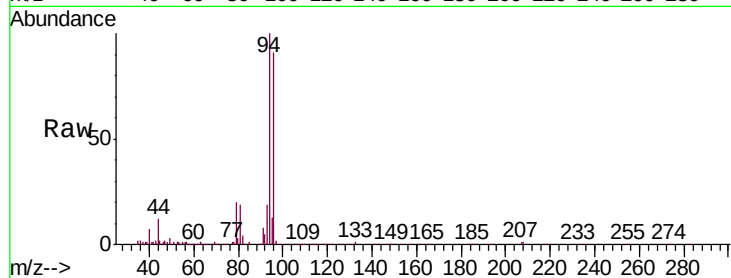
96 90.5 73.4 110.2

Manual Integrations

APPROVED

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3/8/2019 10:54:16 AM



#6

Chloroethane

Concen: 20.278 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008991.D

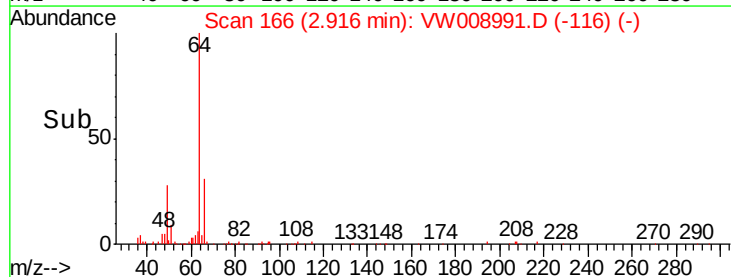
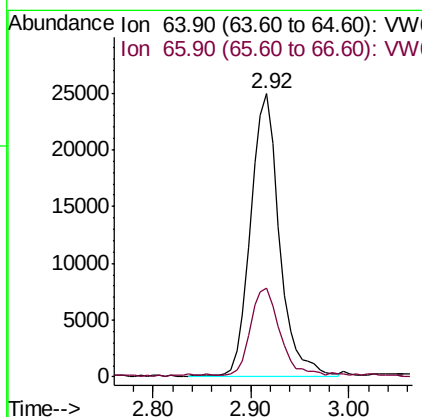
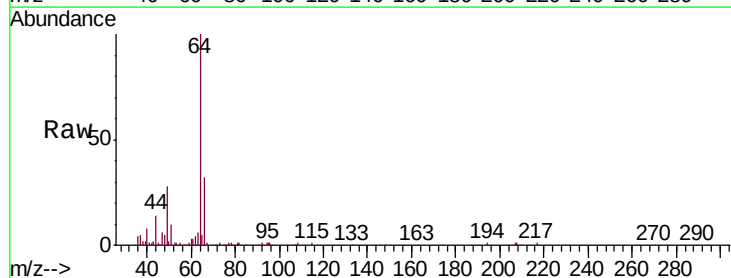
Acq: 05 Mar 2019 12:44

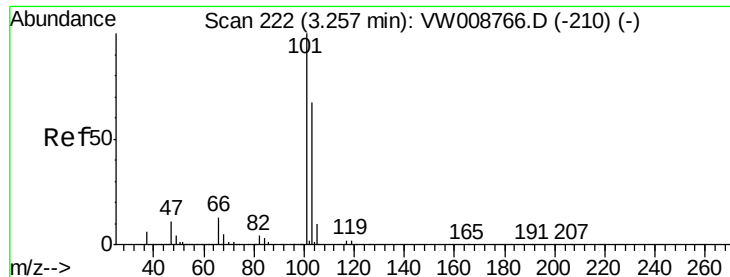
Tgt Ion: 64 Resp: 51377

Ion Ratio Lower Upper

64 100

66 30.5 25.5 38.3





#7

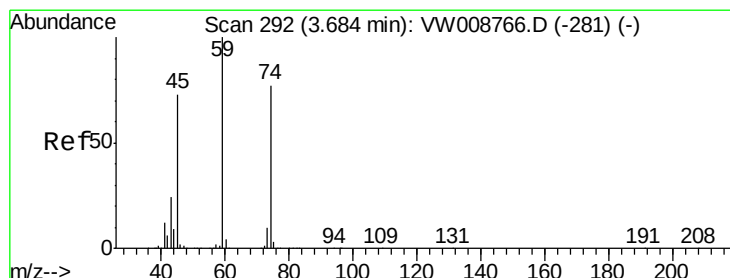
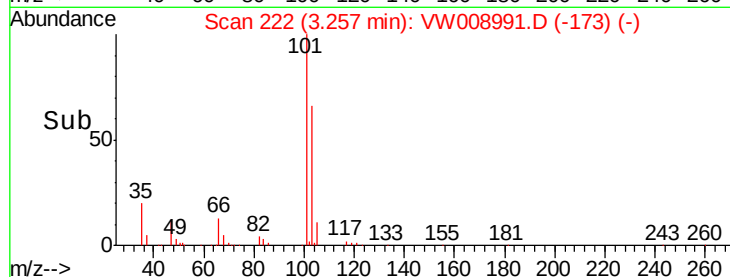
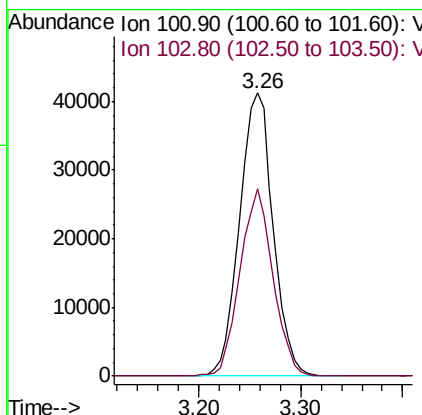
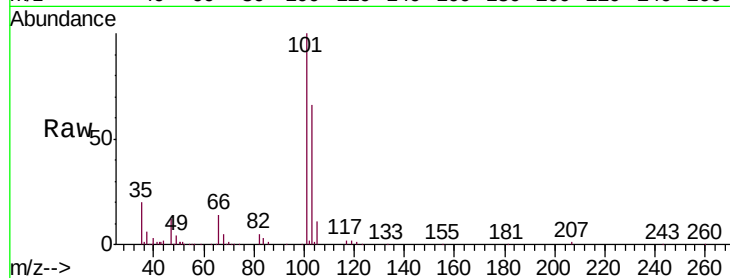
Trichlorofluoromethane
 Concen: 20.901 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.9	80.9

Manual Integrations
 APPROVED

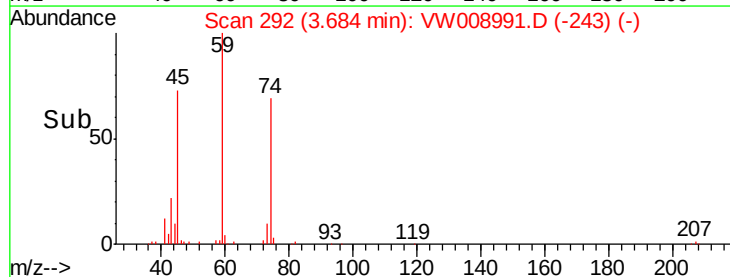
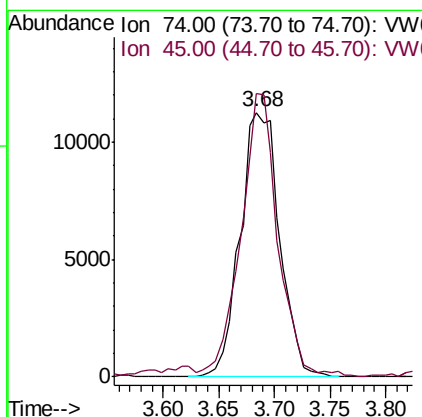
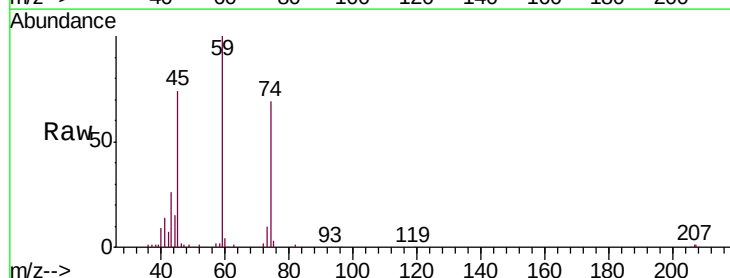
MMDadoda
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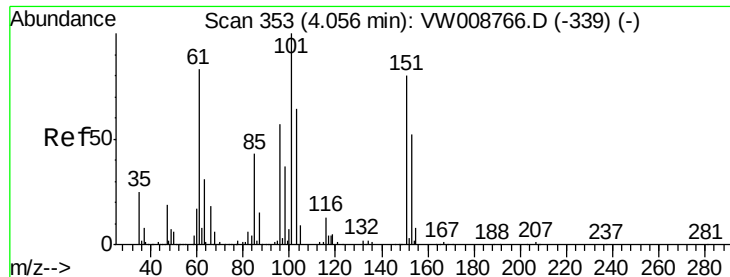


#8

Diethyl Ether
 Concen: 19.511 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.164 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

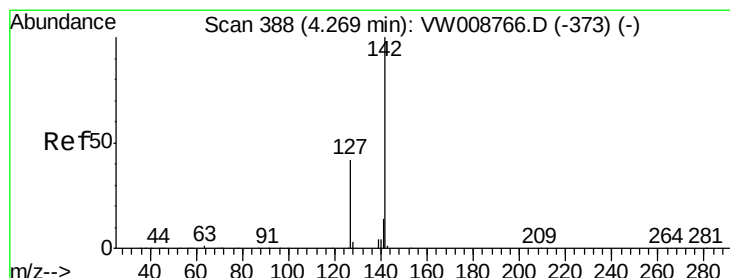
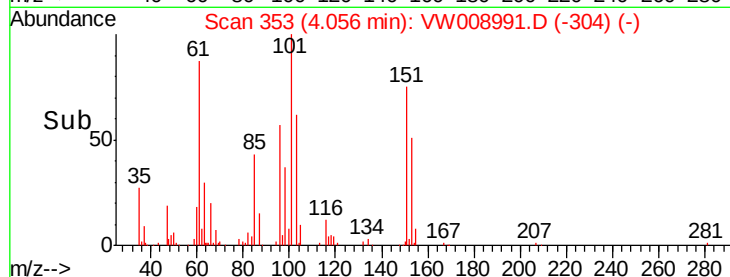
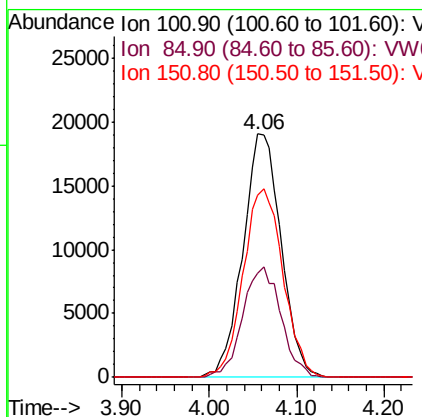
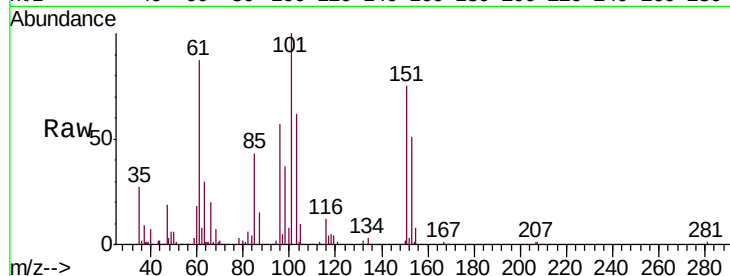
ClientSampleId :

VW0305SBS02

Tgt Ion:	101	Resp:	57995
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	80.6	65.5	98.3

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#10

Methyl Iodide

Concen: 15.474 ug/l

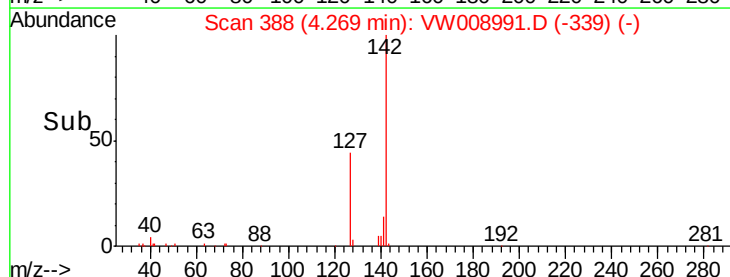
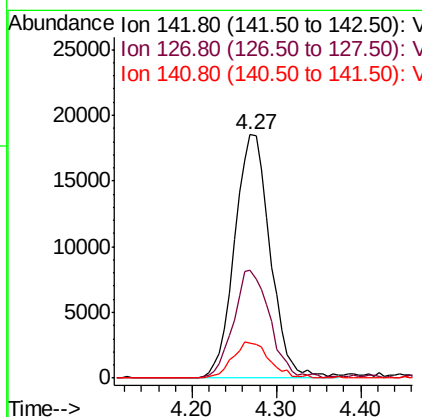
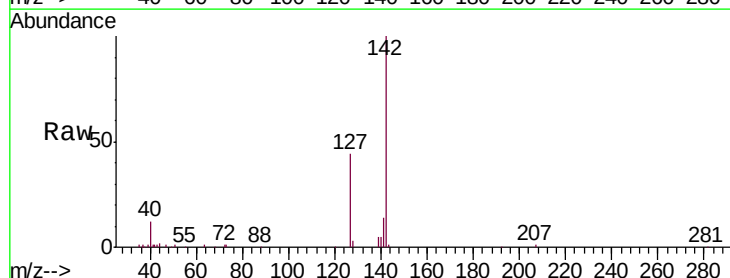
RT: 4.27 min Scan# 388

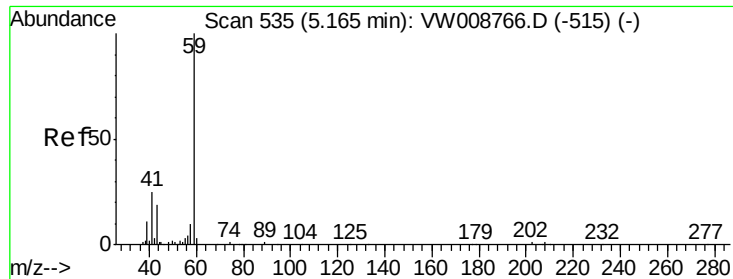
Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:	142	Resp:	53023
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.3	52.9
141	15.0	11.7	17.5





#11

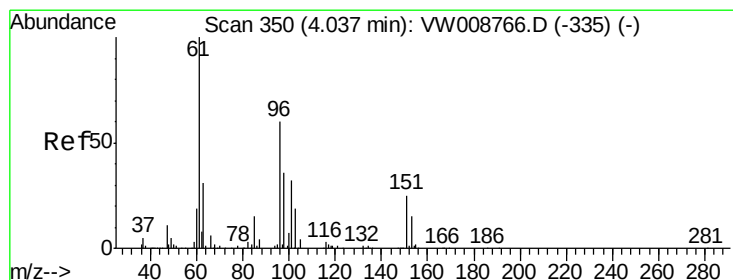
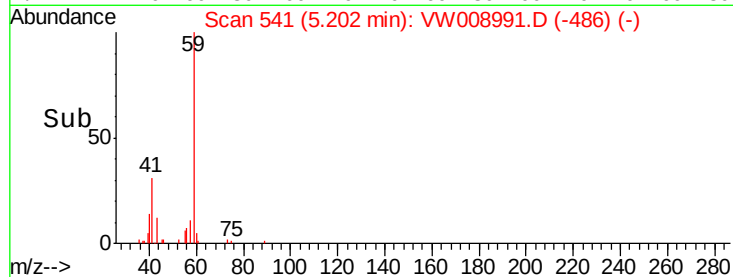
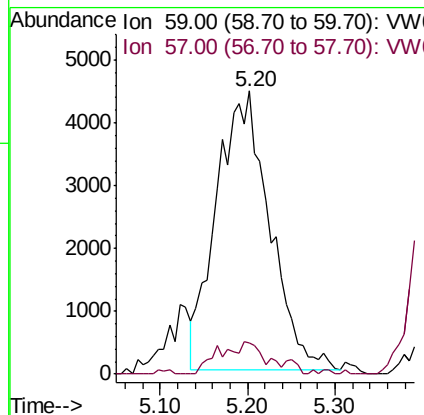
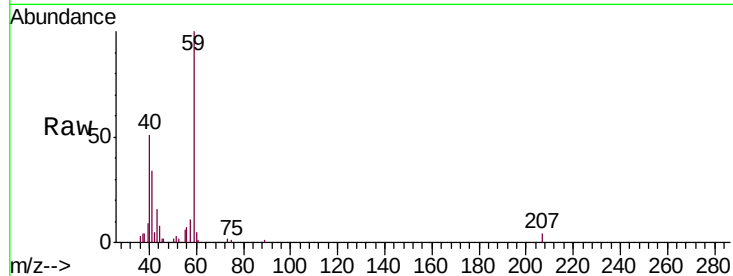
Tert butyl alcohol
Concen: 81.385 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.04 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBSD02

Tgt Ion: 59 Resp: 18783
Ion Ratio Lower Upper
59 100
57 3.6 9.3 13.9#

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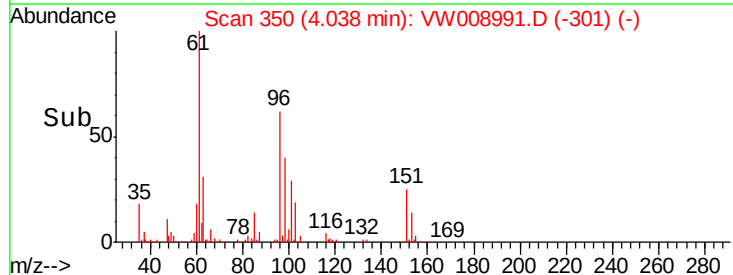
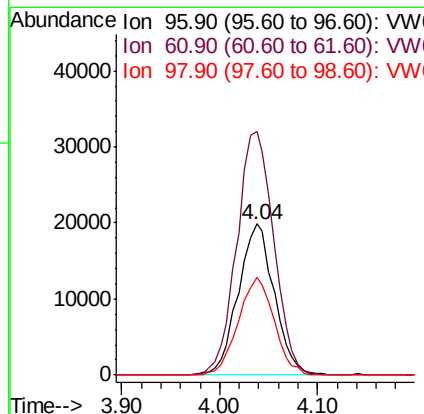
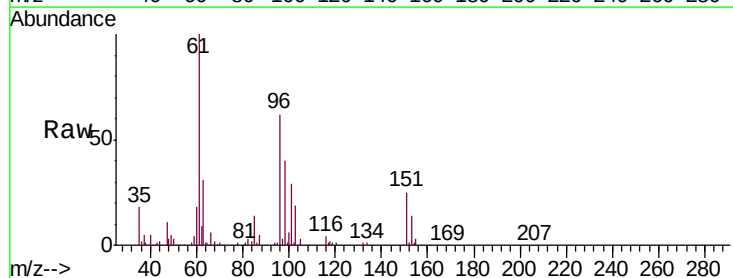
MMDadoda
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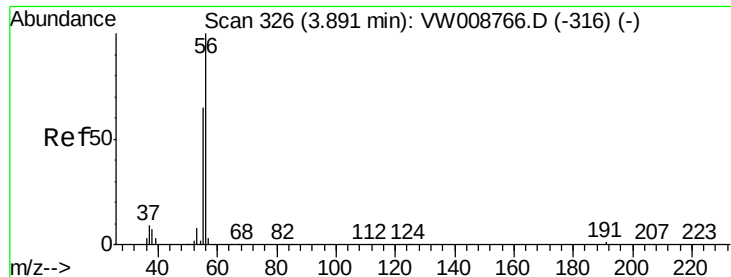


#12

1,1-Dichloroethene
Concen: 20.983 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 96 Resp: 50781
Ion Ratio Lower Upper
96 100
61 161.3 132.5 198.7
98 65.1 48.2 72.4





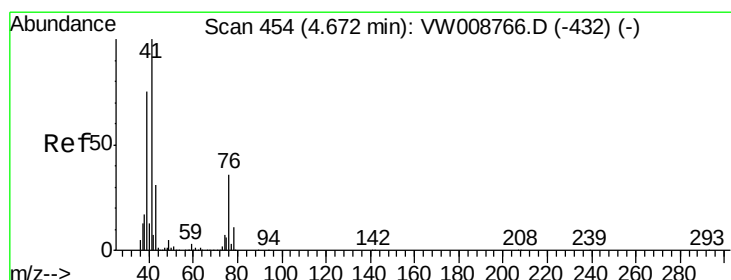
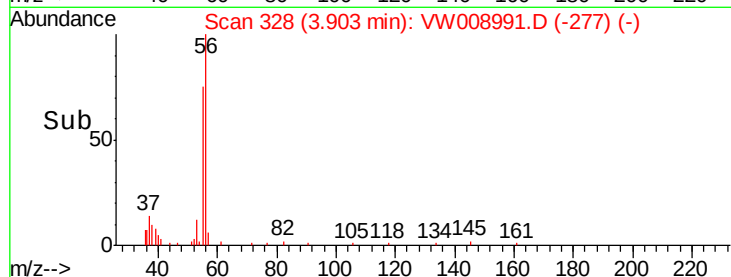
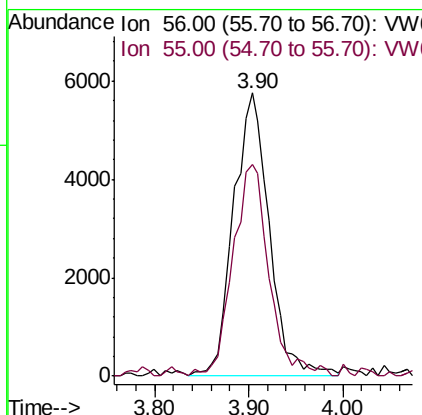
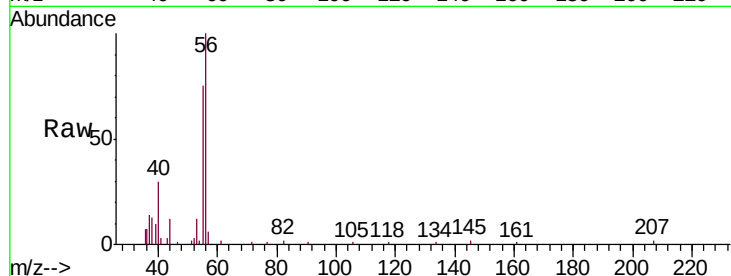
#13
Acrolein
Concen: 77.563 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
55	75.4	56.9	85.3

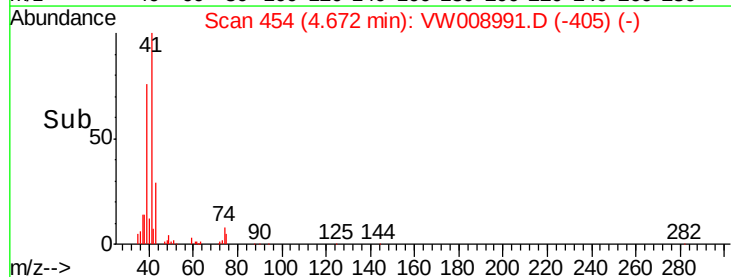
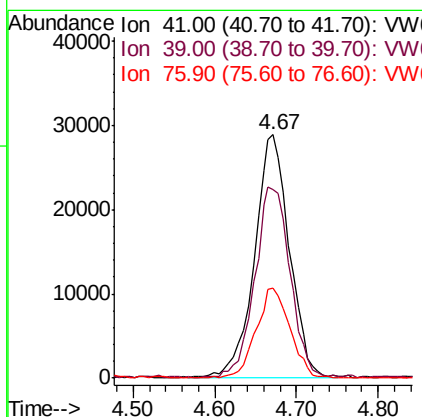
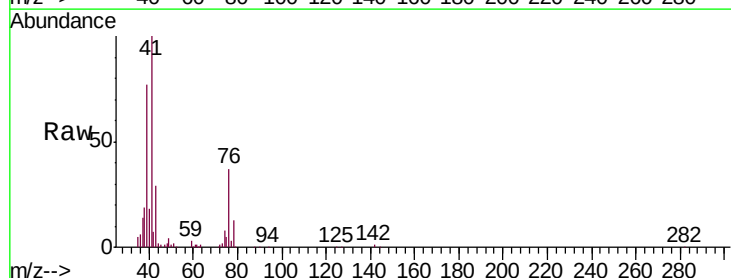
Manual Integrations
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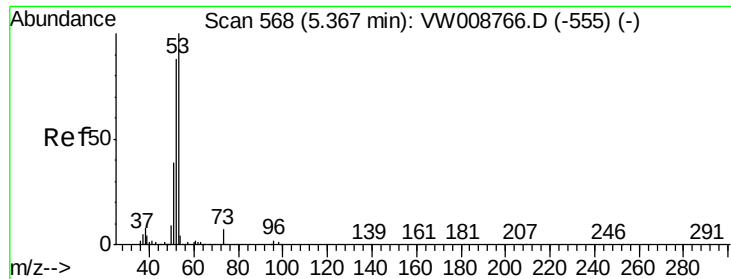
MMDadoda
3/8/2019 10:54:16 AM



#14
Allyl chloride
Concen: 20.354 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	81.3	60.6	91.0
76	36.2	28.6	42.8





#15

Acrylonitrile

Concen: 96.269 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

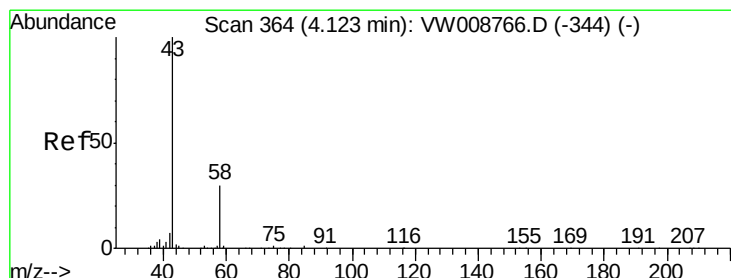
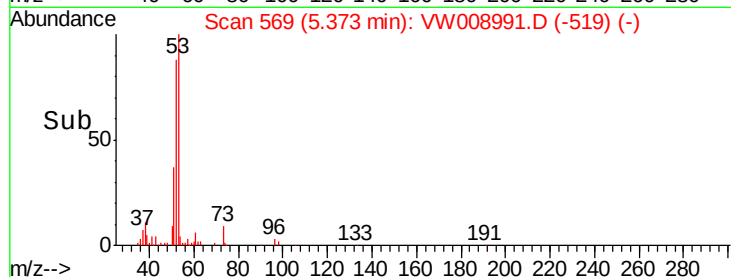
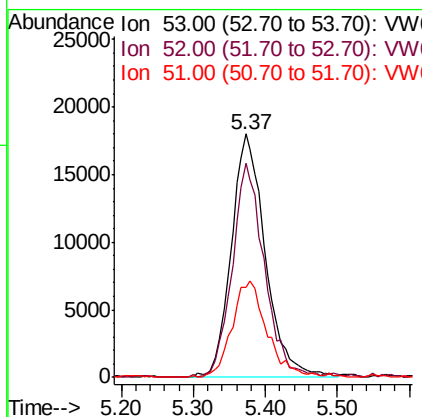
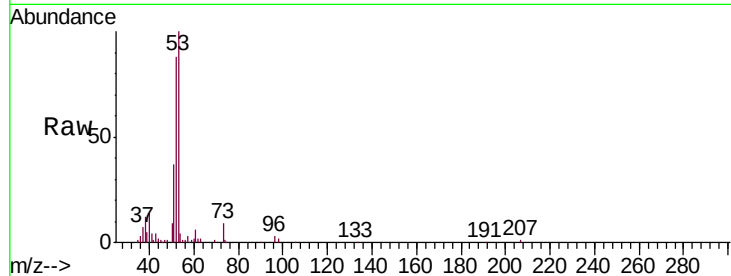
ClientSampleId :

VW0305SBS02

Tgt Ion:	53	Resp:	59024
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.2	100.8
51	40.6	31.1	46.7

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#16

Acetone

Concen: 96.208 ug/l

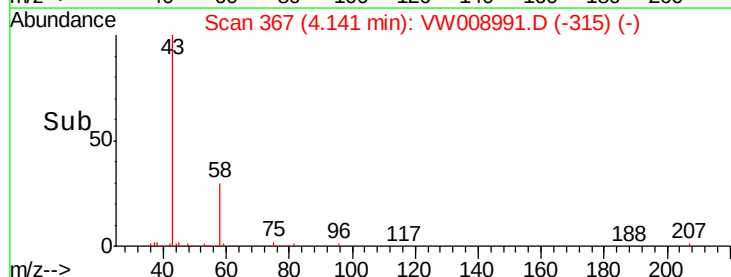
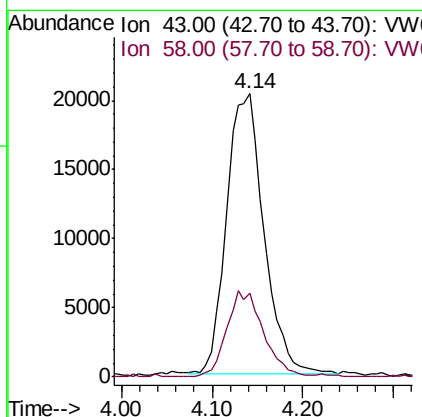
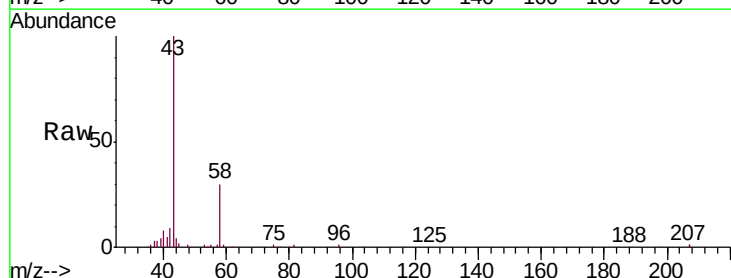
RT: 4.14 min Scan# 367

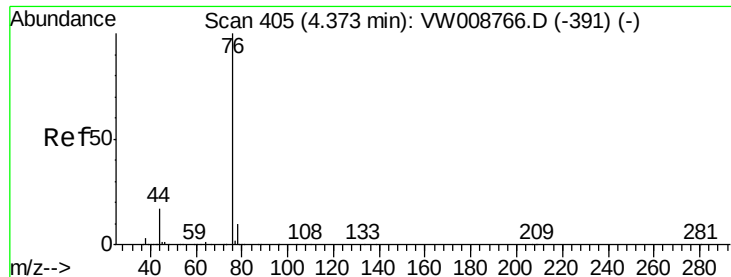
Delta R.T. 0.02 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:	43	Resp:	57811
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.8	35.6





#17

Carbon Disulfide

Concen: 19.073 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 76 Resp: 153145

Ion Ratio Lower Upper

76 100

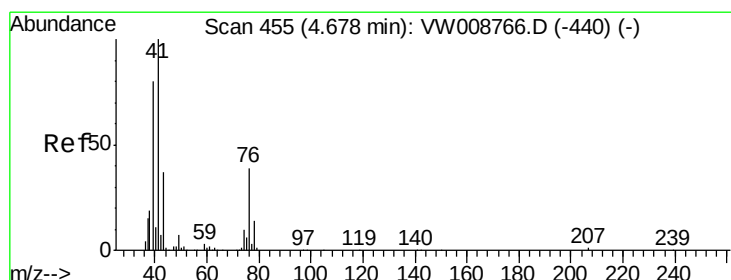
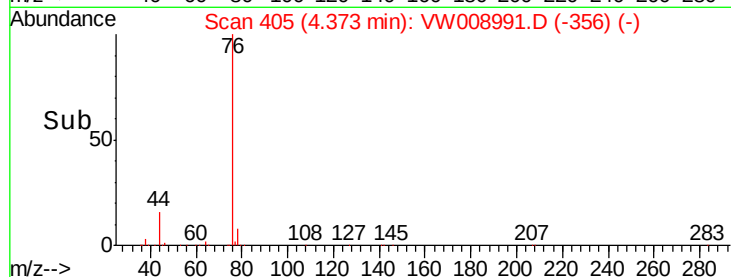
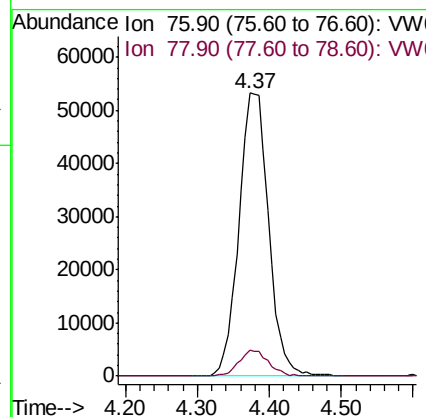
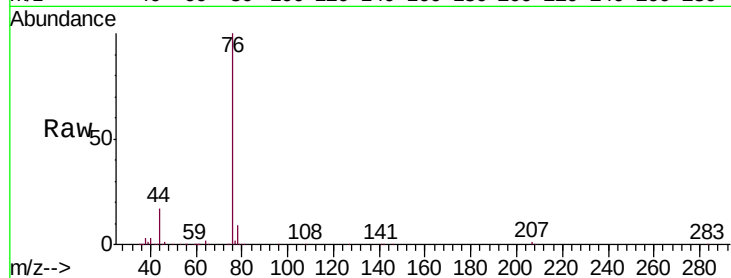
78 9.0 7.8 11.8

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#18

Methyl Acetate

Concen: 19.150 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW008991.D

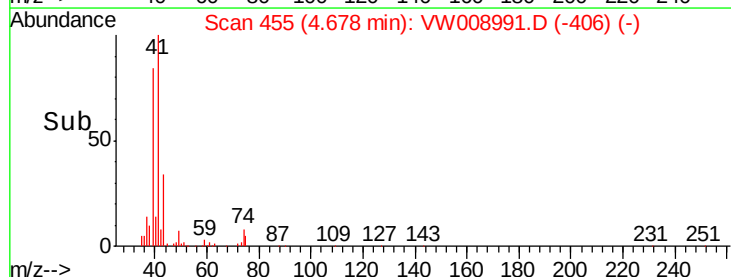
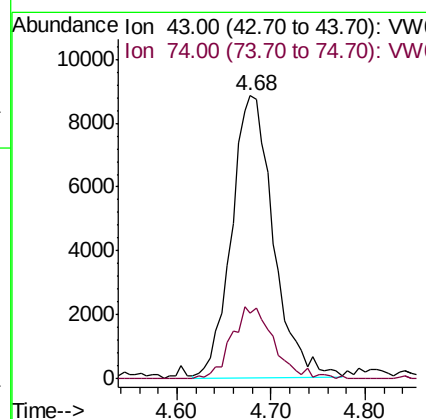
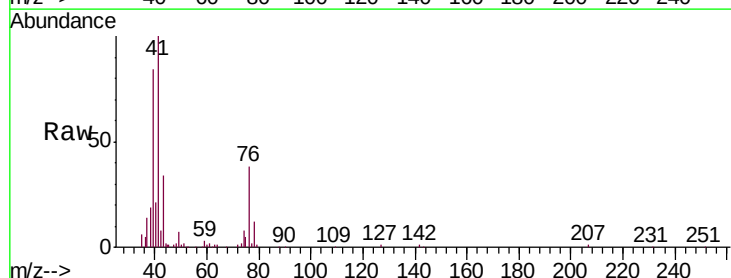
Acq: 05 Mar 2019 12:44

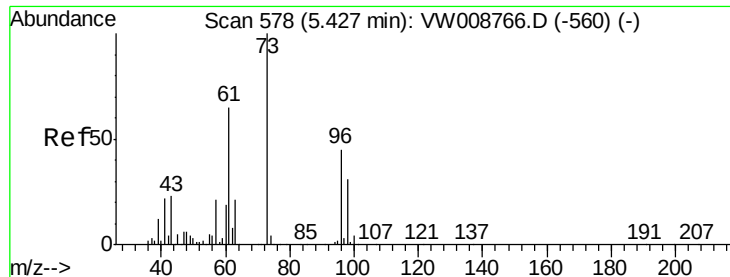
Tgt Ion: 43 Resp: 27294

Ion Ratio Lower Upper

43 100

74 26.1 19.4 29.2





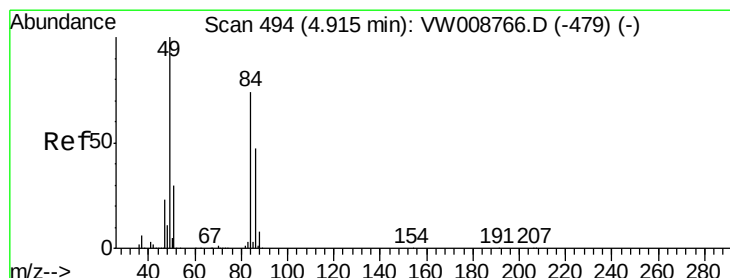
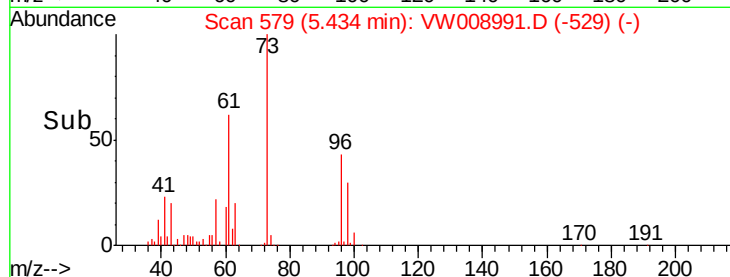
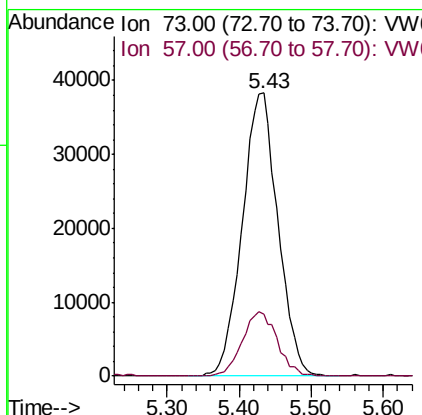
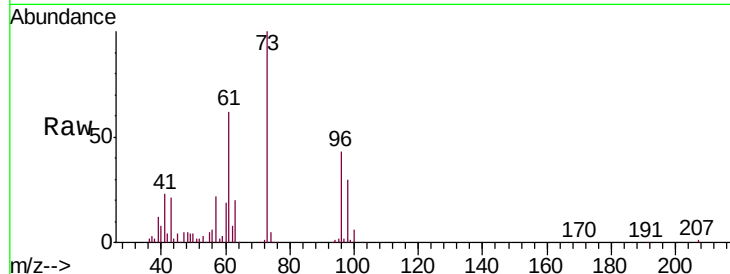
#19
Methyl tert-butyl Ether
Concen: 20.134 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion: 73 Resp: 131888
Ion Ratio Lower Upper
73 100
57 21.7 16.8 25.2

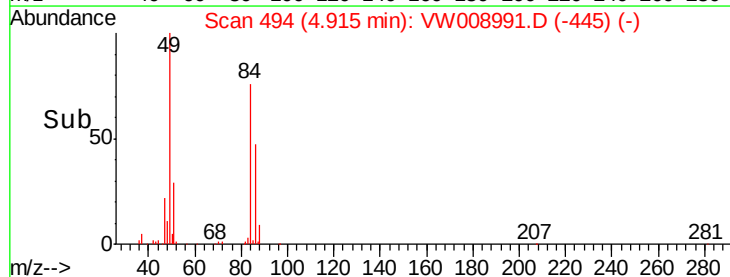
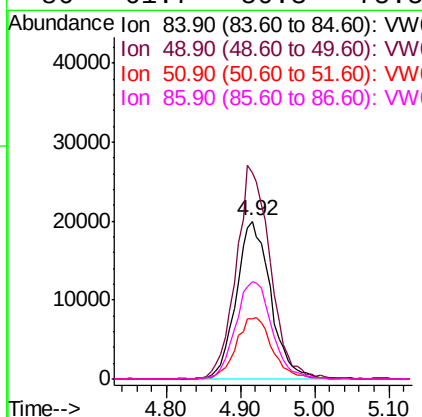
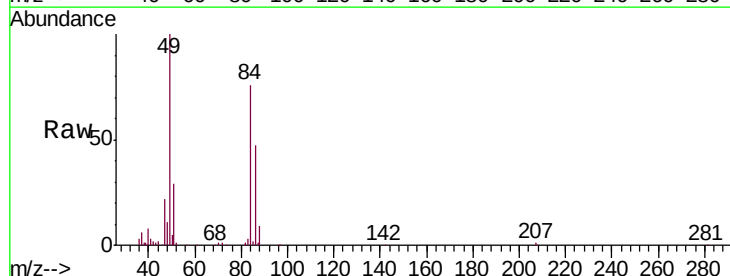
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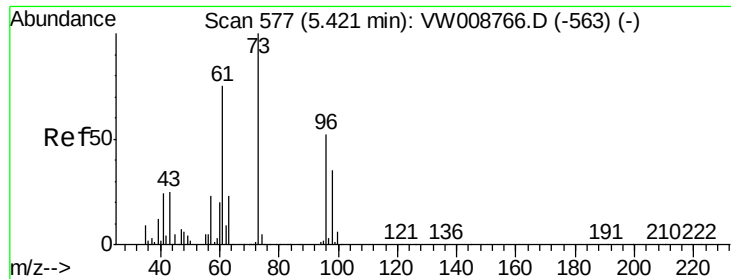
MMDadoda
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#20
Methylene Chloride
Concen: 18.601 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 84 Resp: 64559
Ion Ratio Lower Upper
84 100
49 130.7 108.2 162.2
51 38.1 32.7 49.1
86 61.7 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.041 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

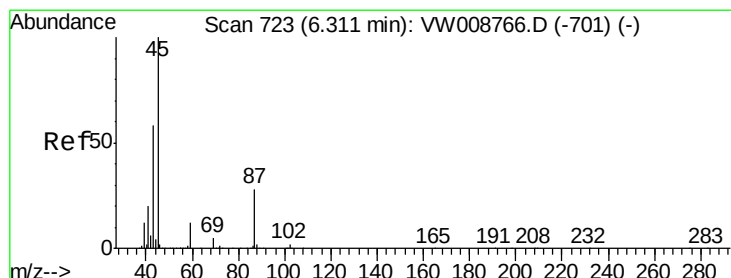
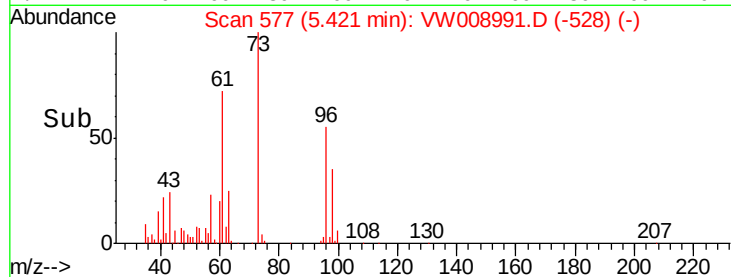
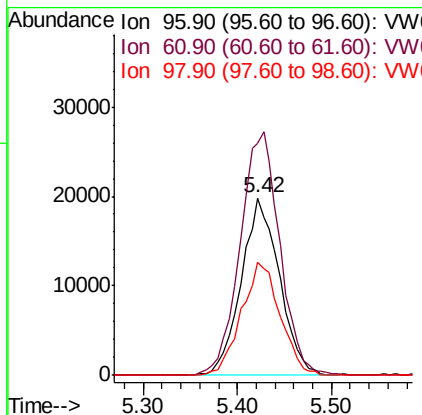
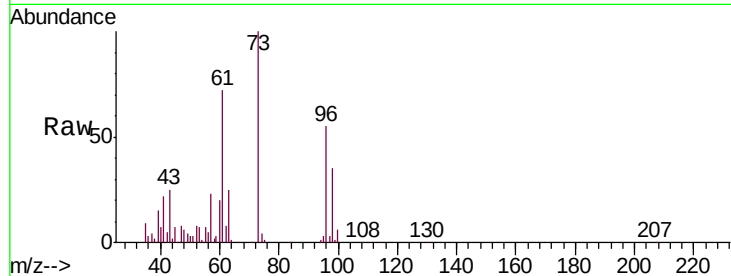
ClientSampled :

VW0305SBS02

Tgt Ion:	96	Resp:	56103
Ion	Ratio	Lower	Upper
96	100		
61	131.1	114.6	171.8
98	63.8	54.0	81.0

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#22

Diisopropyl ether

Concen: 20.983 ug/l

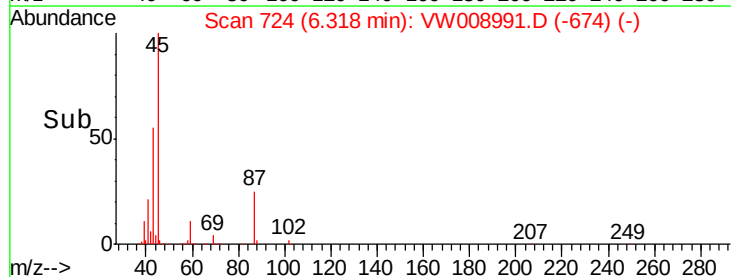
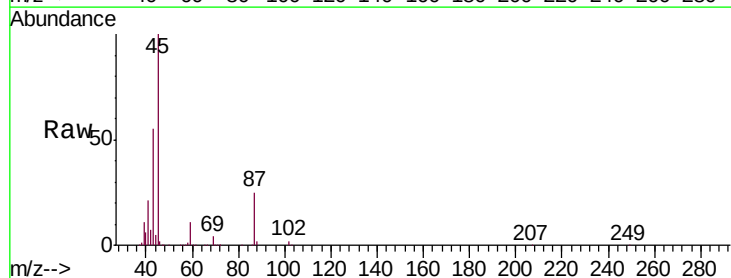
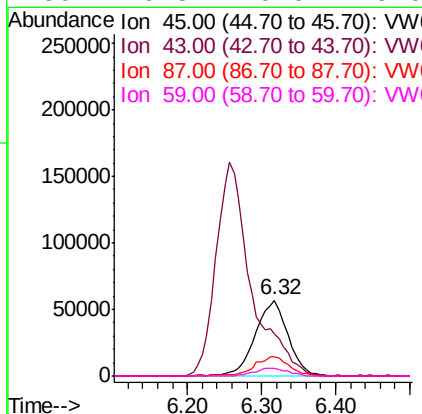
RT: 6.32 min Scan# 724

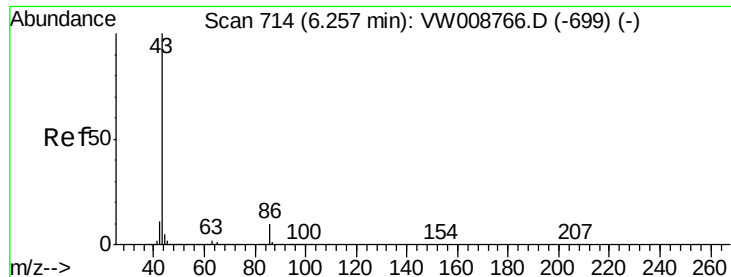
Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:	45	Resp:	174830
Ion	Ratio	Lower	Upper
45	100		
43	54.4	46.1	69.1
87	25.2	22.2	33.4
59	10.8	10.0	15.0





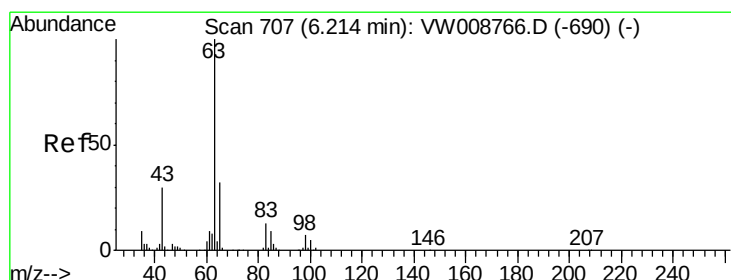
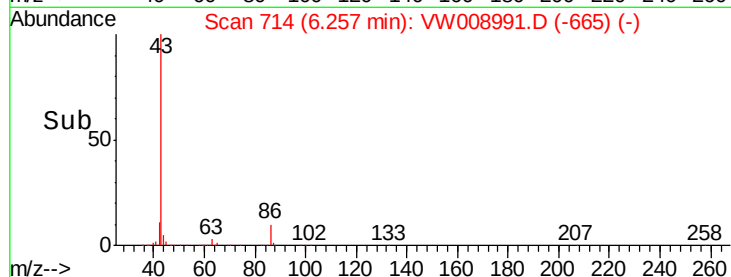
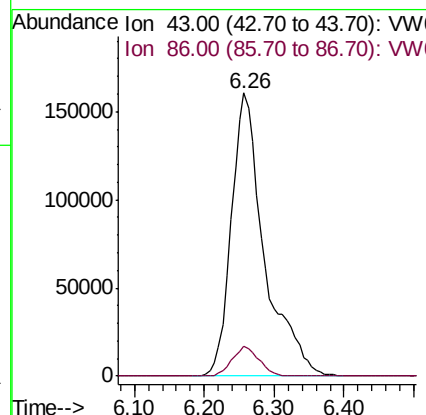
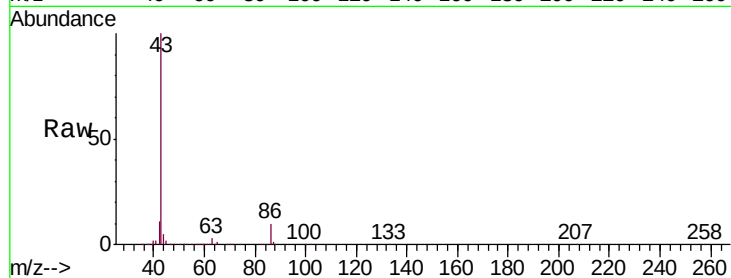
#23
 Vinyl Acetate
 Concen: 102.169 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	525961		
86	10.4		8.1	12.1

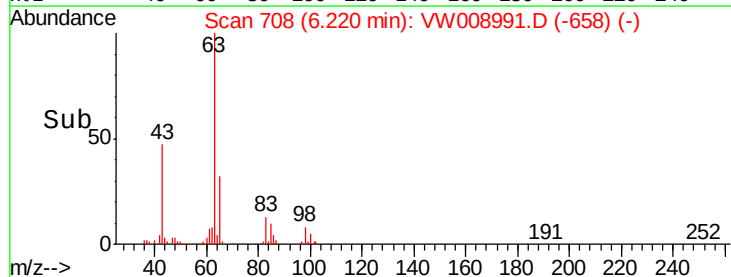
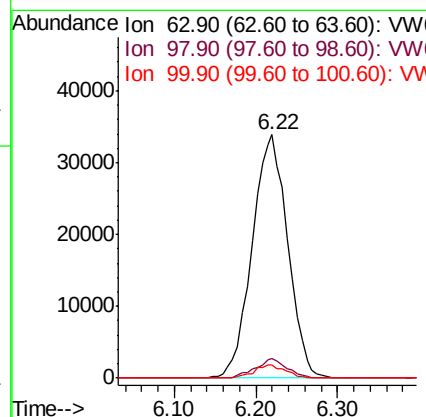
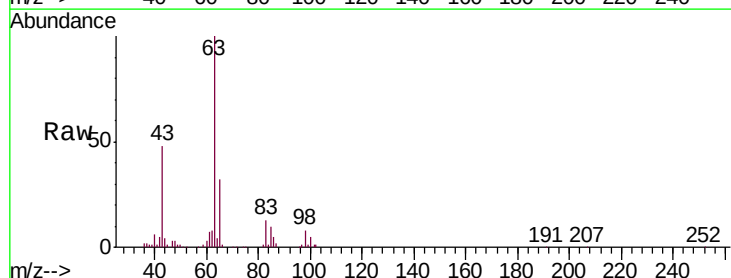
Manual Integrations
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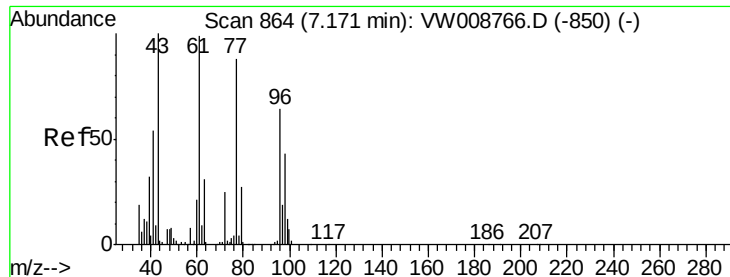
MMDadoda
 3/8/2019 10:54:16 AM



#24
 1,1-Dichloroethane
 Concen: 21.270 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	102698		
98	8.0		3.5	10.6
100	5.4		2.4	7.2





#25

2-Butanone

Concen: 100.287 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

VW0305SBS02

Tgt Ion: 43 Resp: 84250

Ion Ratio Lower Upper

43 100

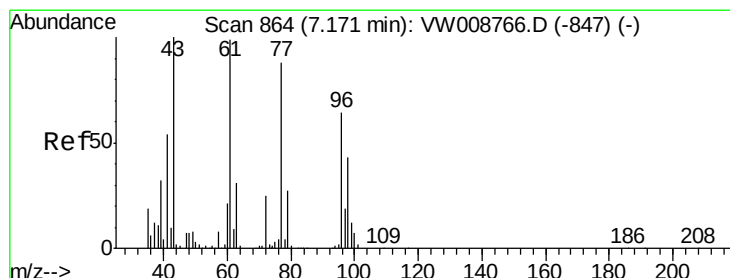
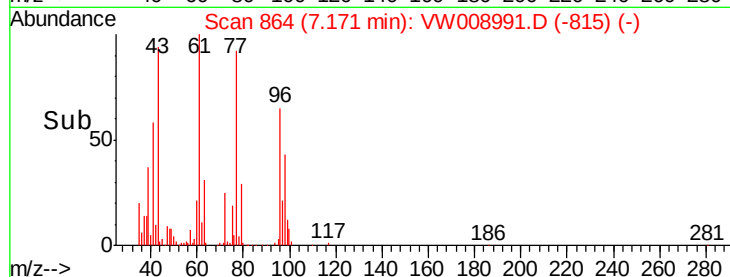
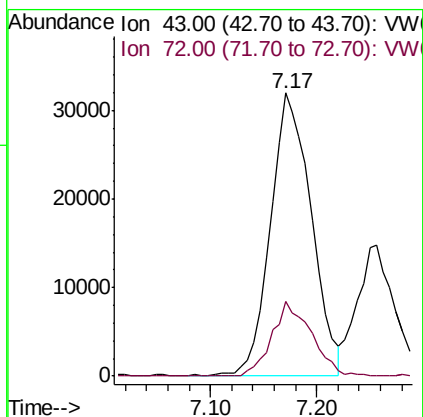
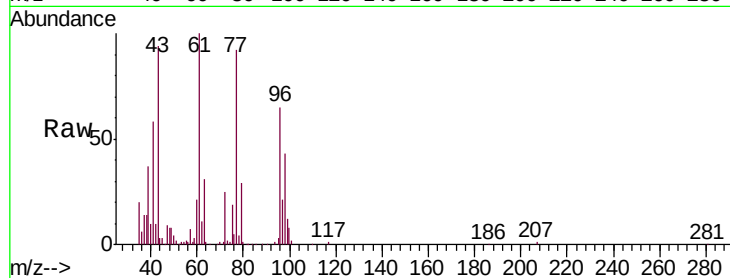
72 26.5 19.7 29.5

Manual Integrations

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MMDadoda

3/8/2019 10:54:16 AM



#26

2,2-Dichloropropane

Concen: 21.599 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008991.D

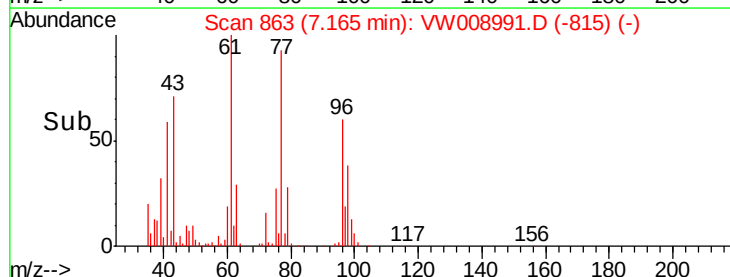
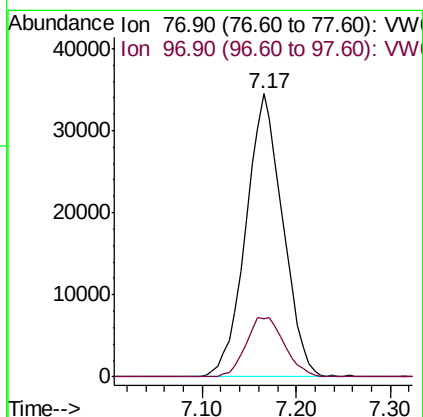
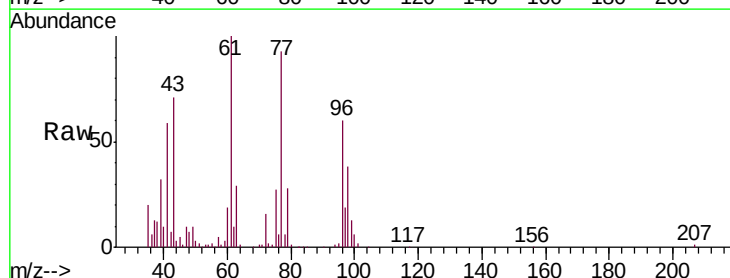
Acq: 05 Mar 2019 12:44

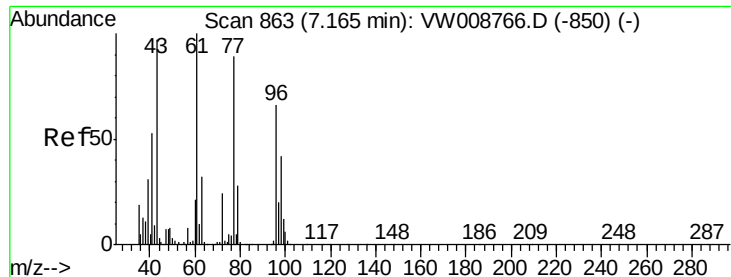
Tgt Ion: 77 Resp: 94677

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0





#27

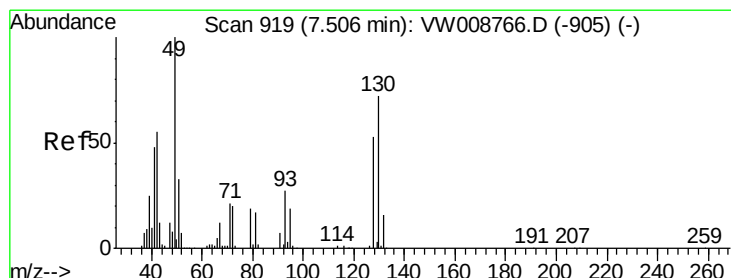
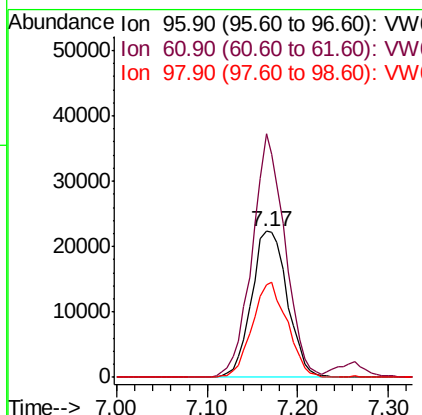
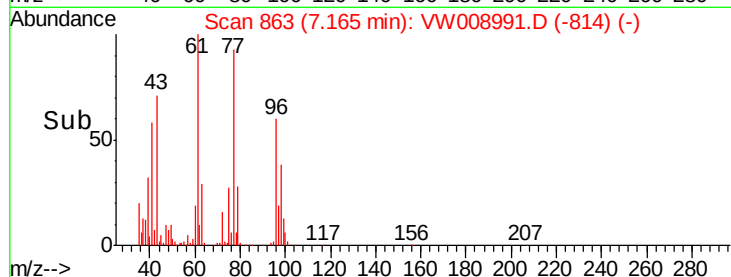
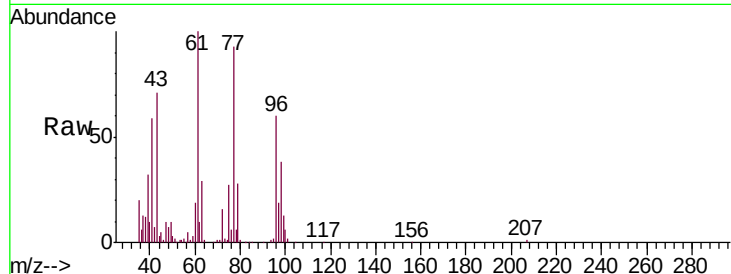
cis-1,2-Dichloroethene
Concen: 20.477 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	302.6
98	63.4	0.0	130.0

Manual Integrations
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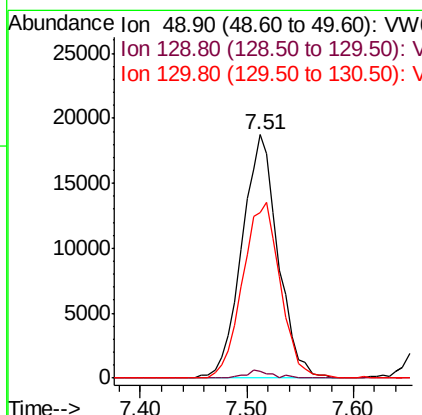
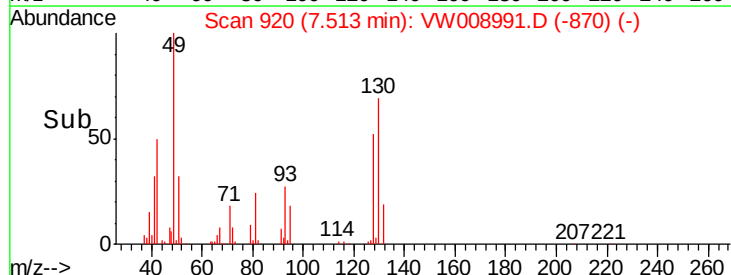
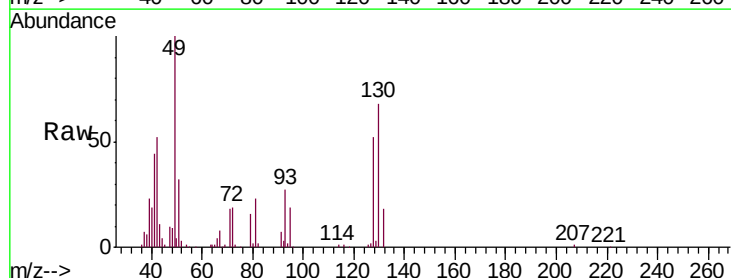
MMDadoda
3/8/2019 10:54:16 AM

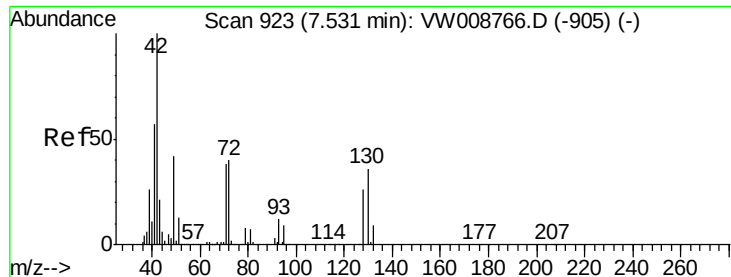


#28

Bromochloromethane
Concen: 22.064 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.6
130	75.2	61.3	91.9





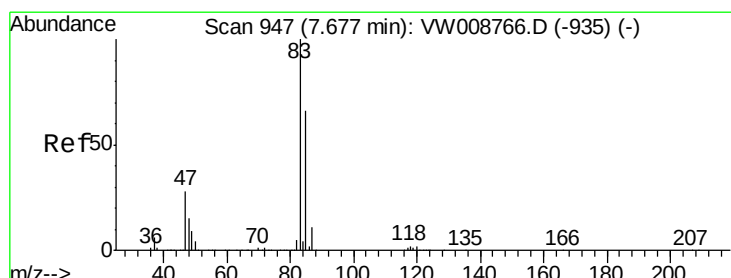
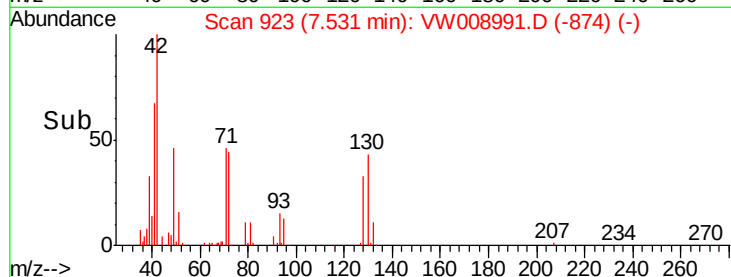
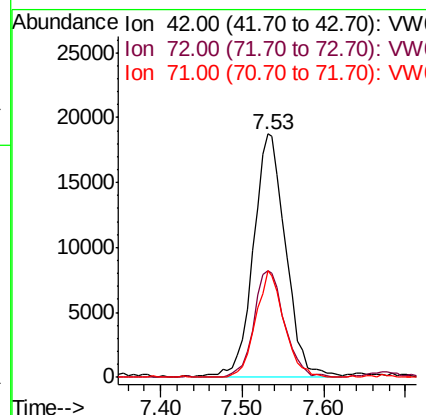
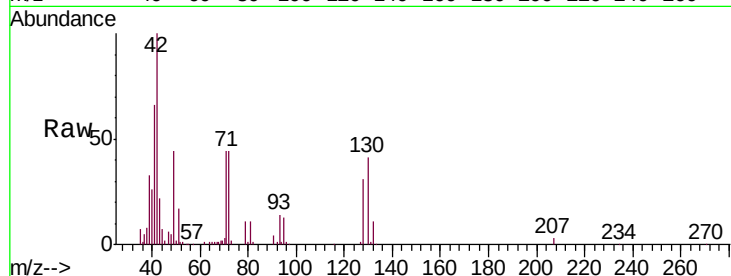
#29
Tetrahydrofuran
Concen: 95.249 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.7	49.1
71	39.3	31.3	46.9

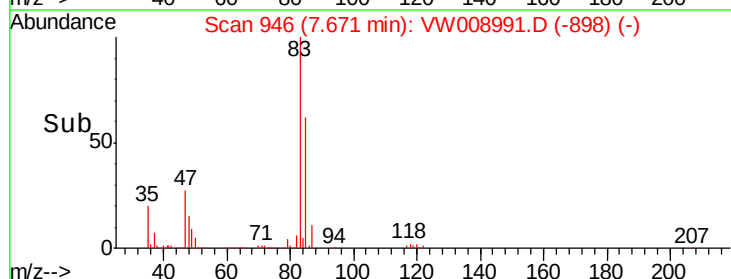
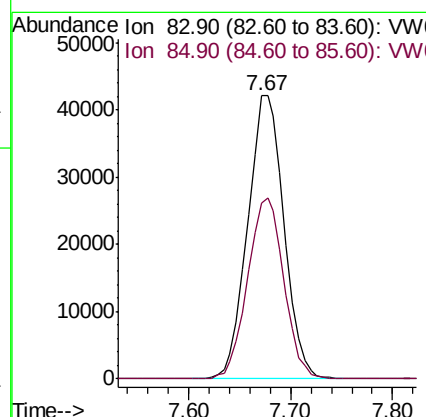
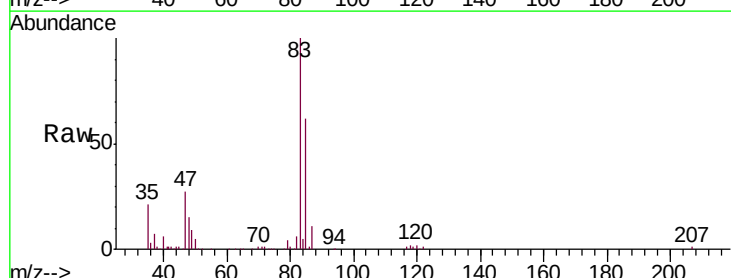
Manual Integrations
APPROVED

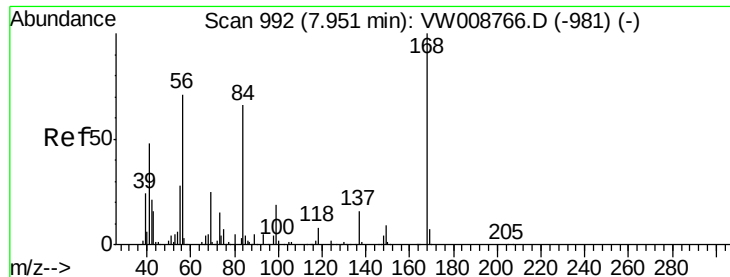
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3/8/2019 10:54:16 AM



#30
Chloroform
Concen: 21.038 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.6	79.0





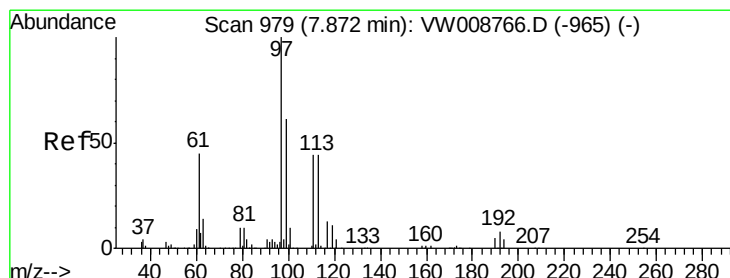
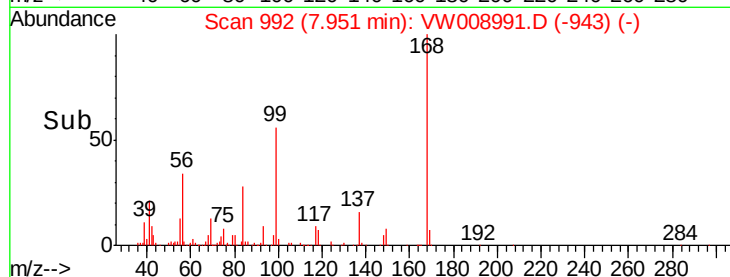
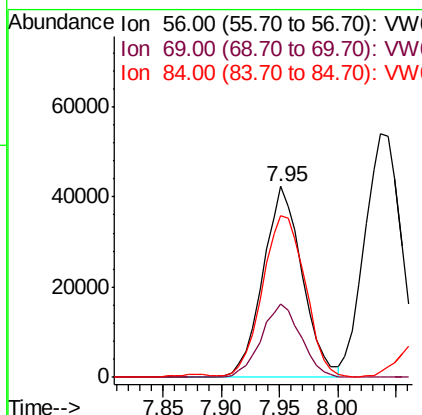
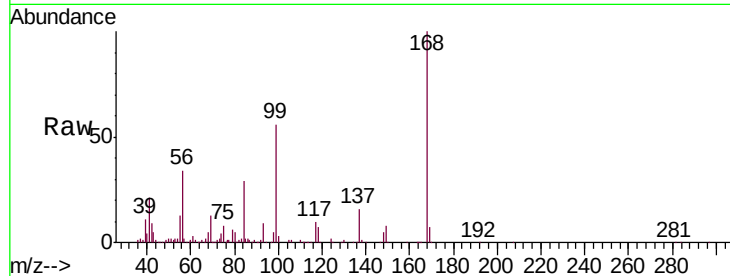
#31
Cyclohexane
Concen: 20.318 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	38.4	28.2	42.4
84	82.9	74.1	111.1

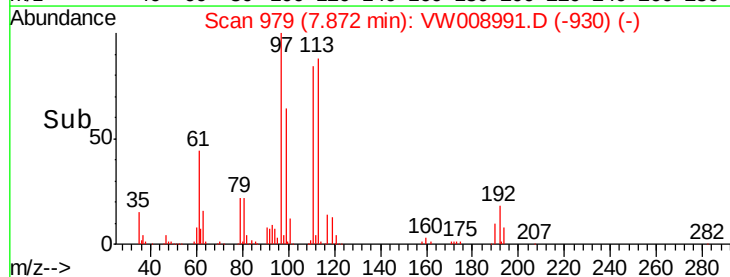
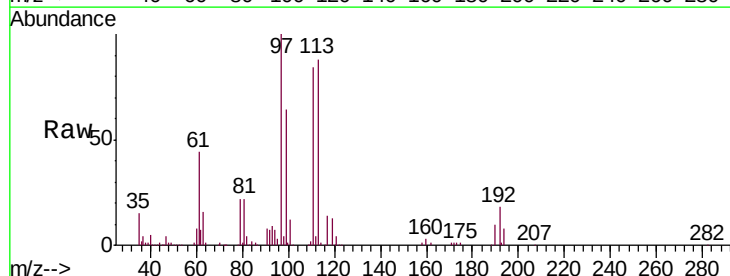
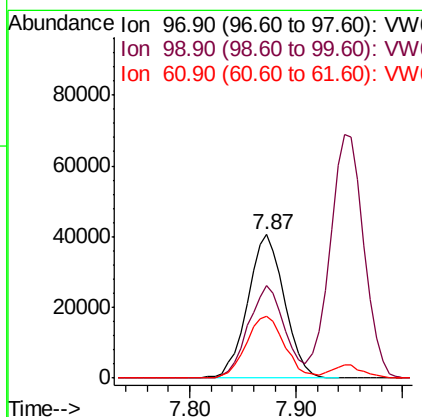
Manual Integrations
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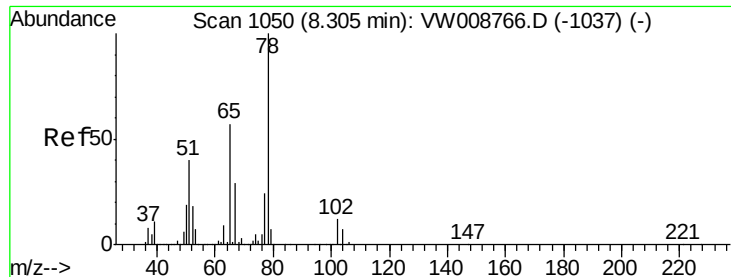
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#32
1,1,1-Trichloroethane
Concen: 21.759 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.8	76.2
61	45.6	36.0	54.0





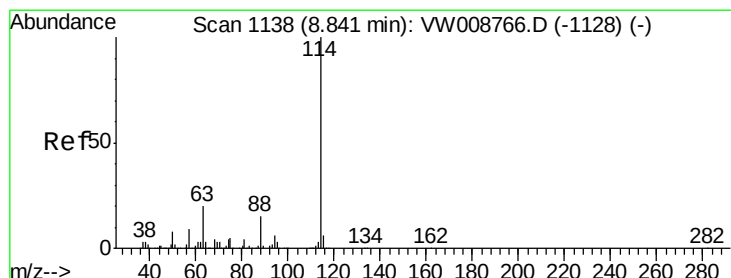
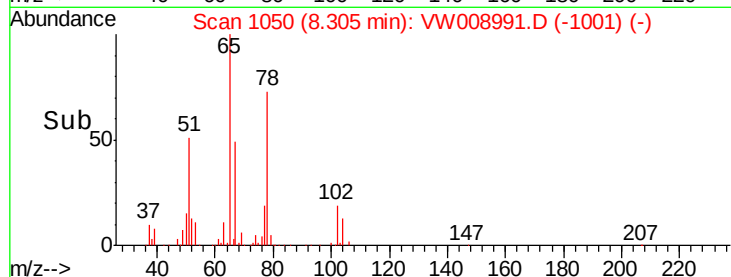
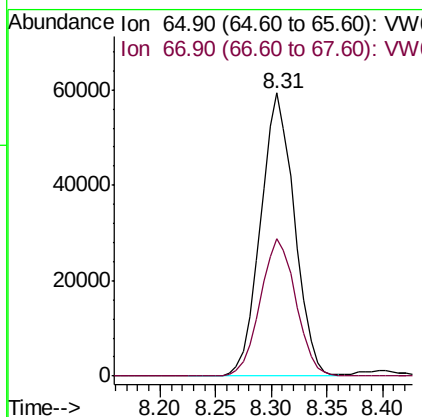
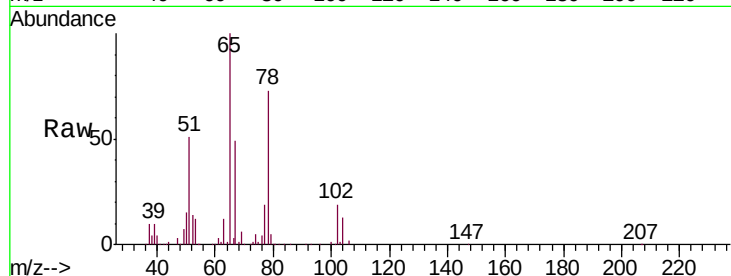
#33
 1,2-Dichloroethane-d4
 Concen: 48.522 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	125789		
67	51.3	0.0	101.4	

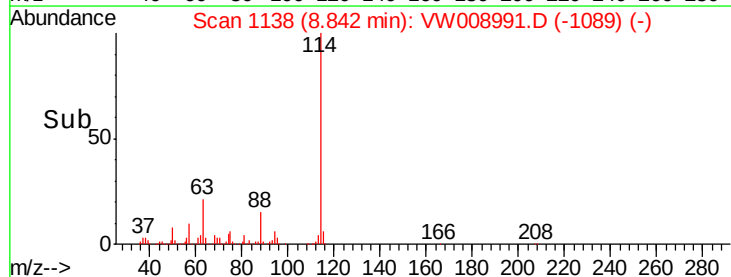
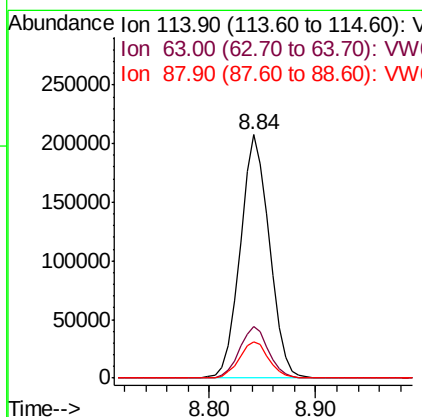
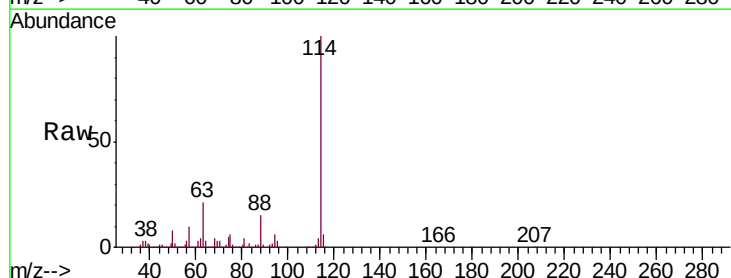
Manual Integrations
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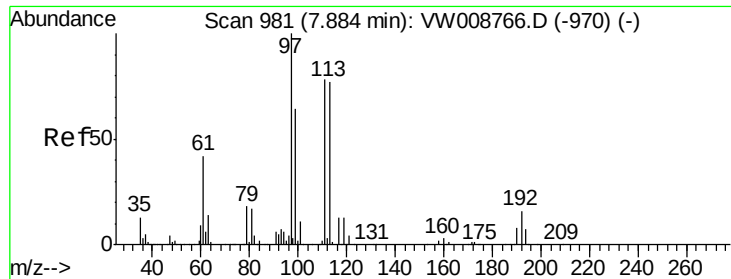
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398692		
63	21.4	0.0	40.8	
88	14.8	0.0	30.4	





#35

Dibromofluoromethane

Concen: 47.366 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

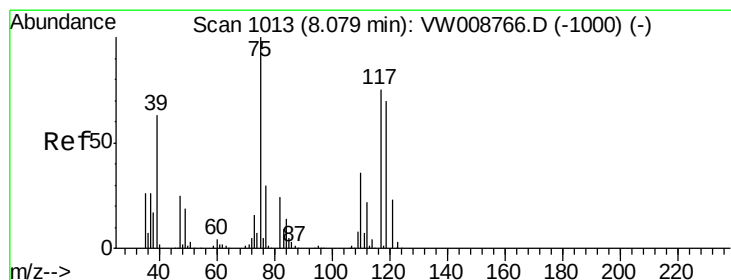
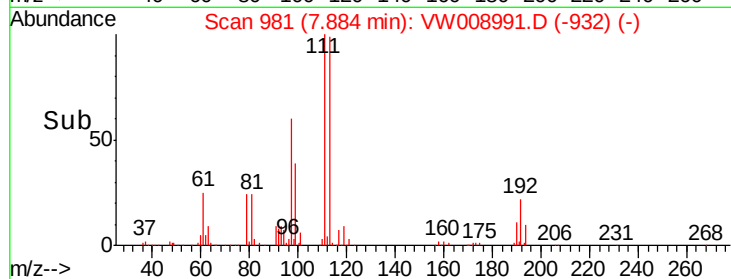
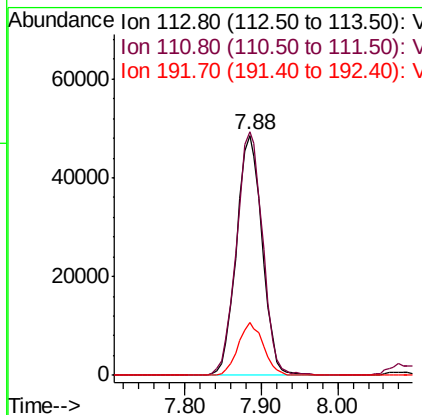
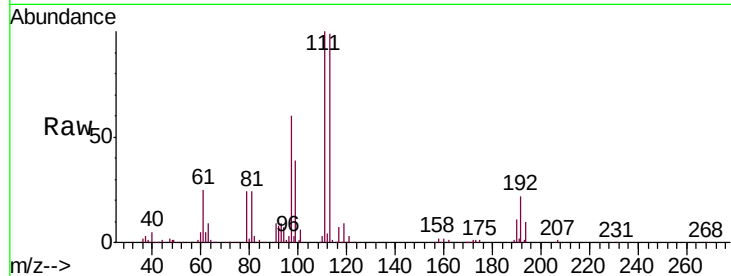
ClientSampleId :

VW0305SBS02

Tgt Ion:	113	Resp:	113385
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.9	122.9
192	21.7	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.901 ug/l

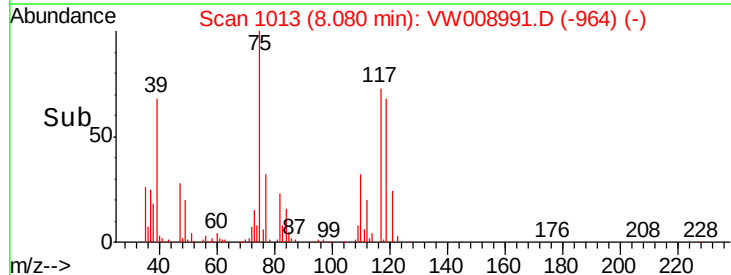
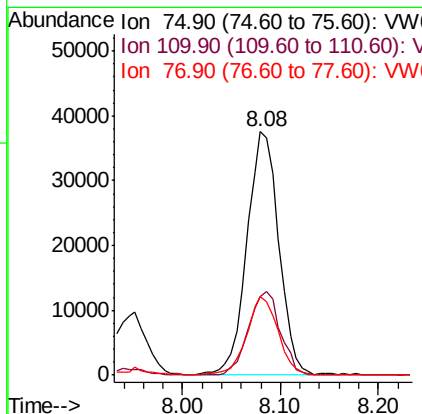
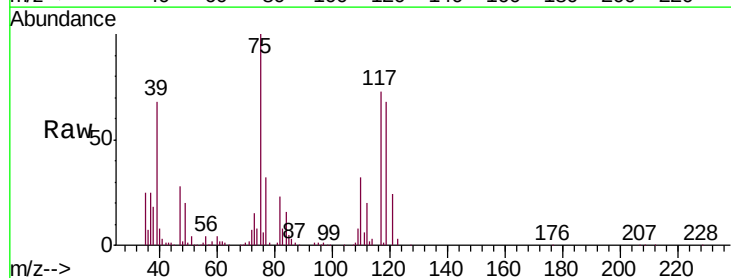
RT: 8.08 min Scan# 1013

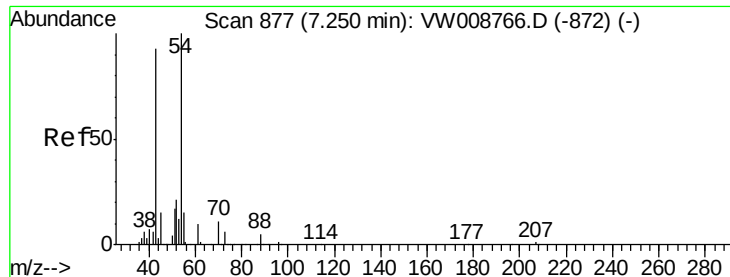
Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:	75	Resp:	84999
Ion Ratio	Lower	Upper	
75	100		
110	34.4	17.5	52.6
77	31.7	24.5	36.7





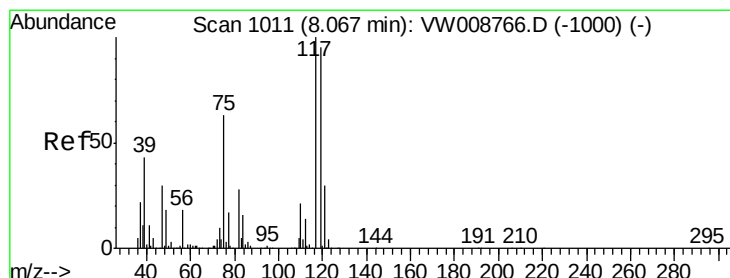
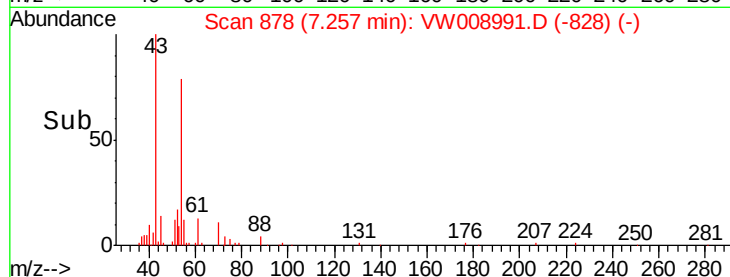
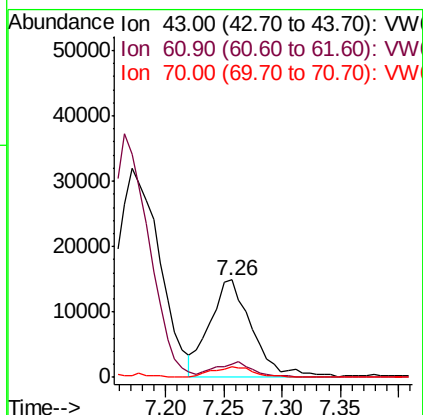
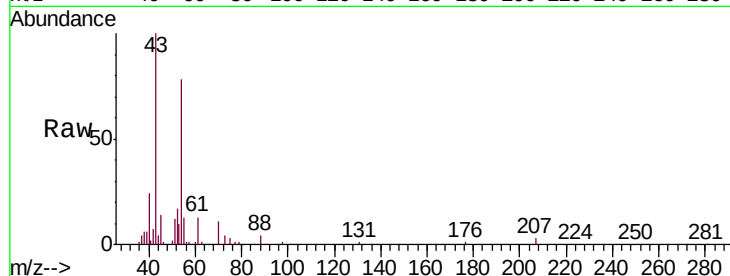
#37
Ethyl Acetate
Concen: 20.956 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	9.8	14.8
70	10.2	8.4	12.6

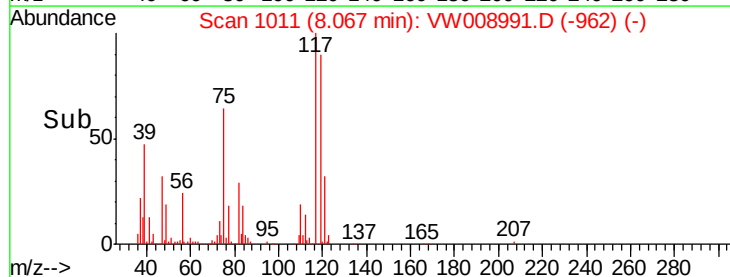
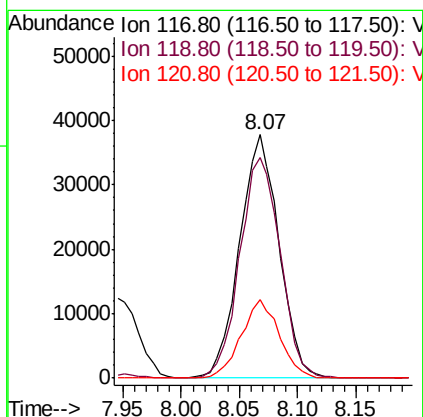
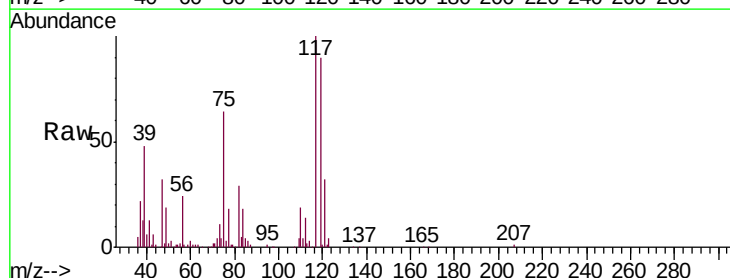
Manual Integrations
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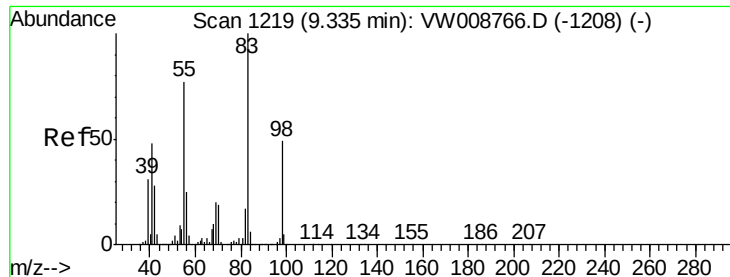
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#38
Carbon Tetrachloride
Concen: 21.685 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	76.1	114.1
121	32.1	24.0	36.0





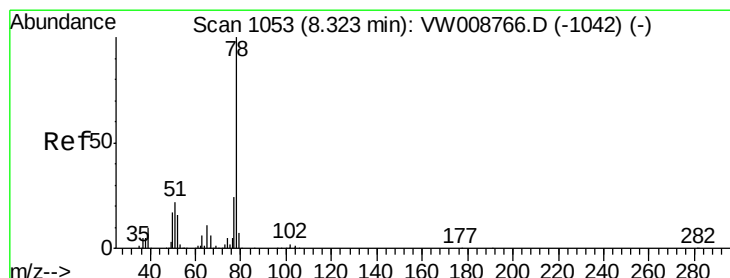
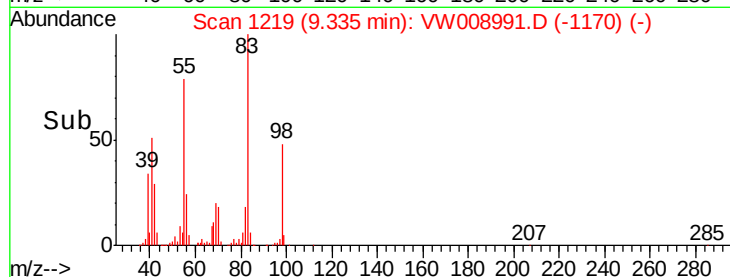
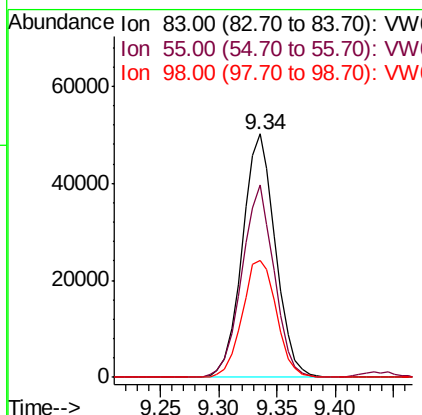
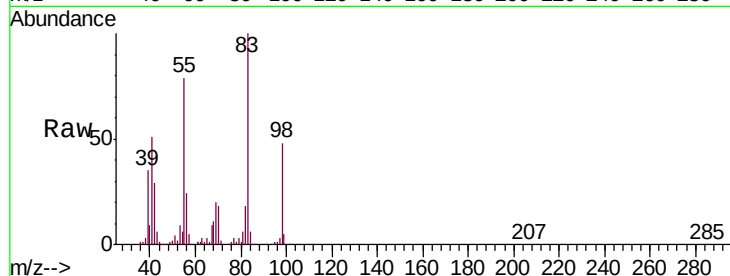
#39
Methylcyclohexane
Concen: 20.477 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.2	91.8
98	47.8	39.4	59.2

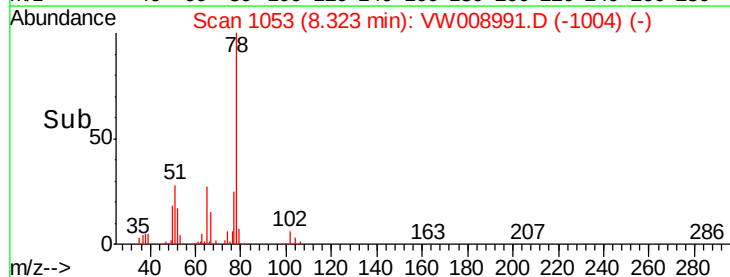
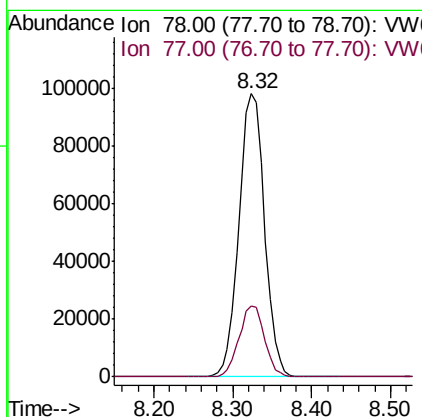
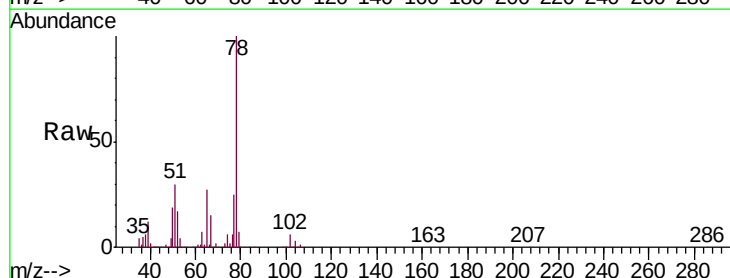
Manual Integrations
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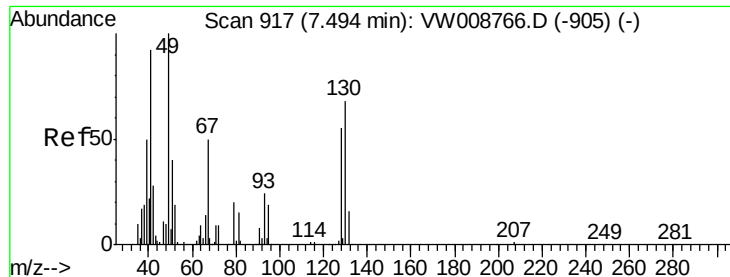
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#40
Benzene
Concen: 20.931 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.3	28.9





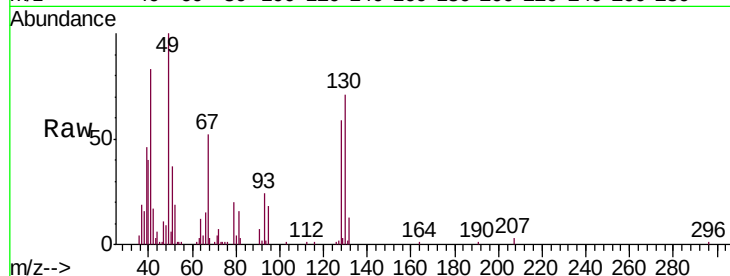
#41
Methacrylonitrile
Concen: 19.930 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

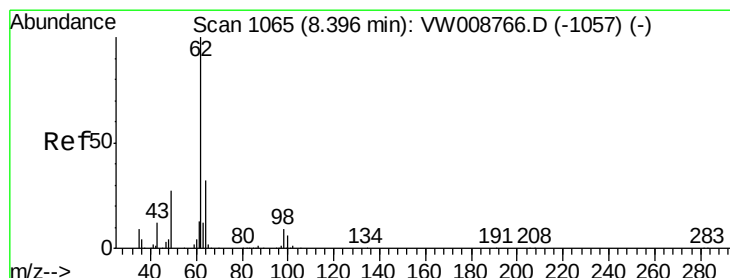
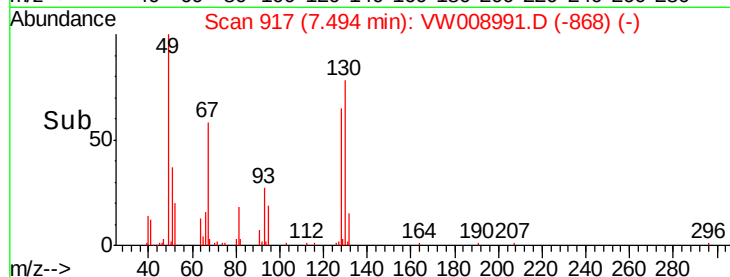
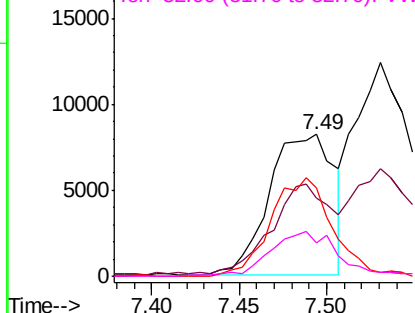
Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.4	52.5	78.7
67	66.5	55.0	82.6
52	32.9	26.9	40.3

Manual Integrations
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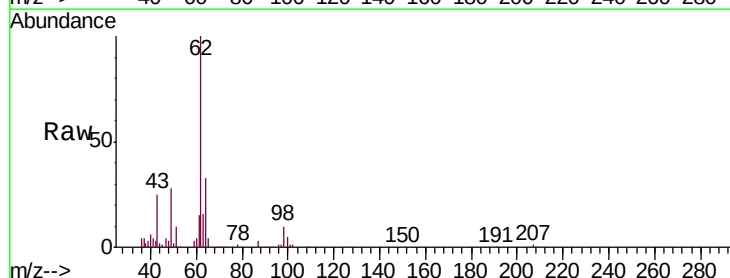


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

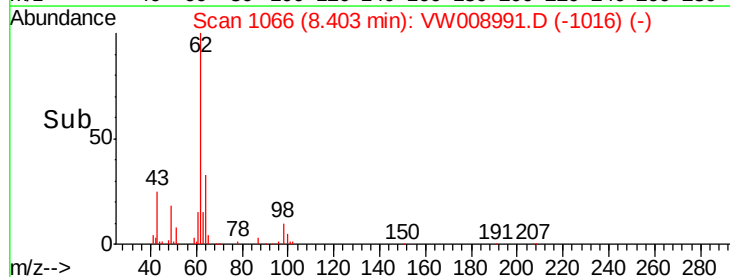
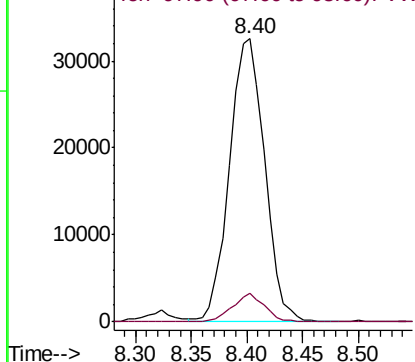


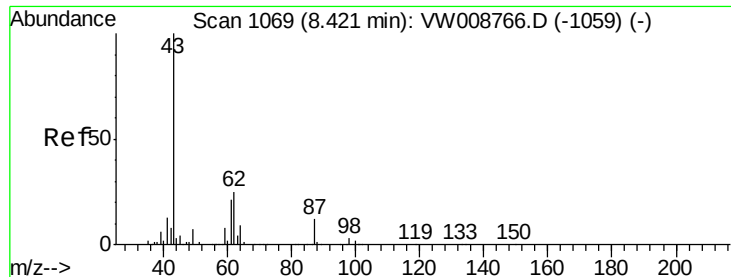
#42
1,2-Dichloroethane
Concen: 21.322 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.190 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

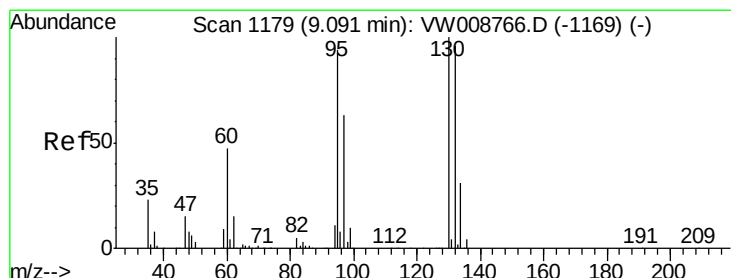
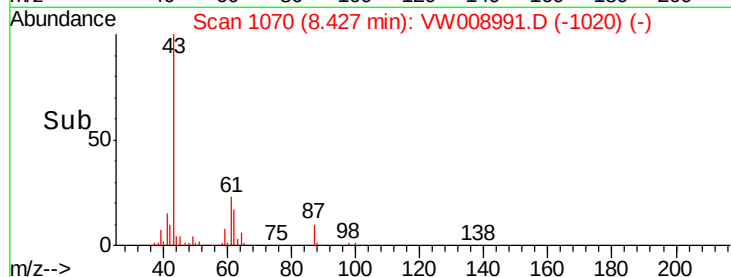
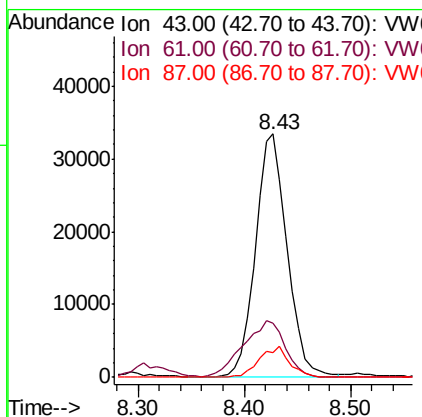
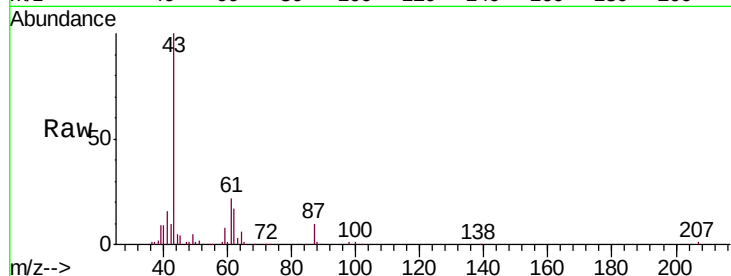
ClientSampleId :

VW0305SBS02

Tgt Ion:	43	Resp:	69123
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.2	34.8
87	12.3	9.9	14.9

Manual Integrations
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3/8/2019 10:54:16 AM



#44

Trichloroethene

Concen: 21.018 ug/l

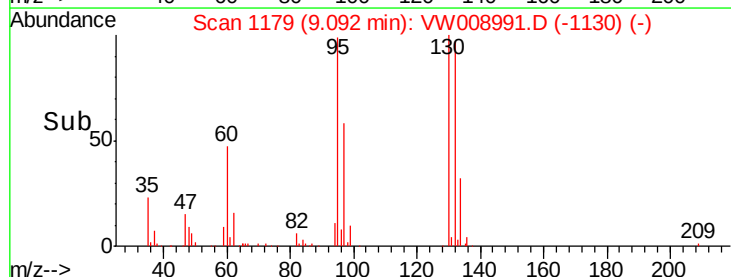
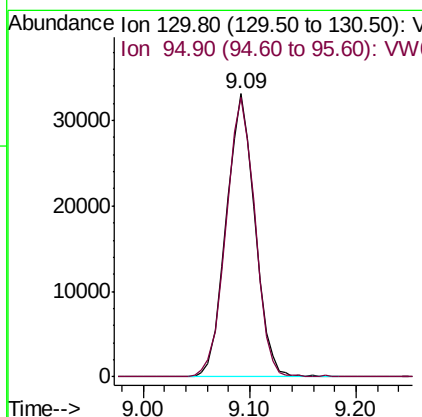
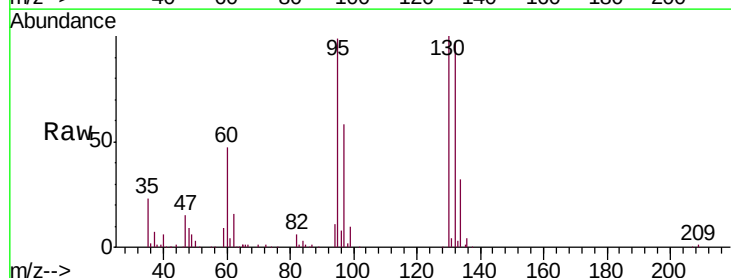
RT: 9.09 min Scan# 1179

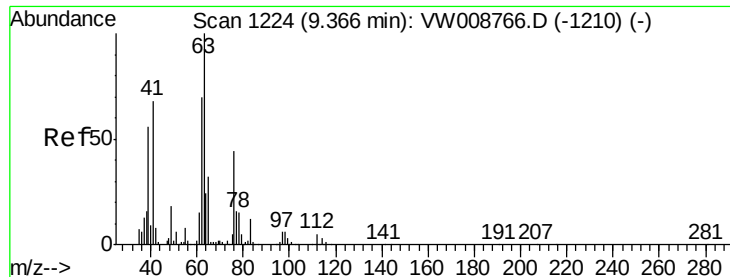
Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:	130	Resp:	62740
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	188.6





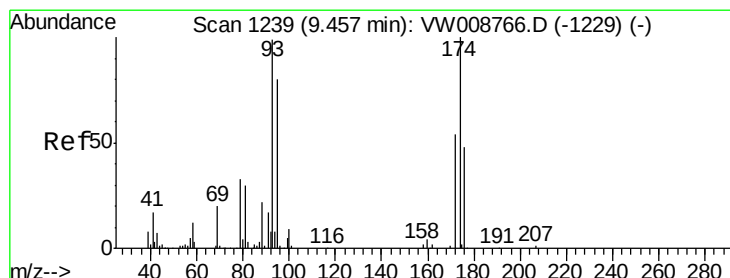
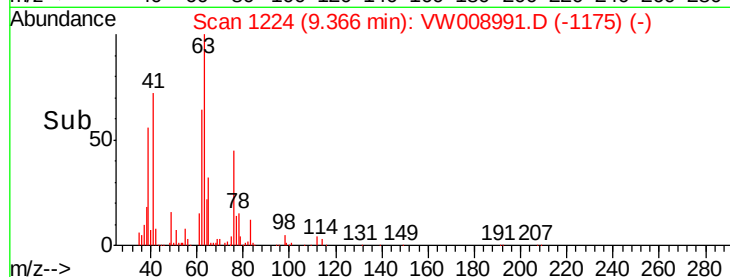
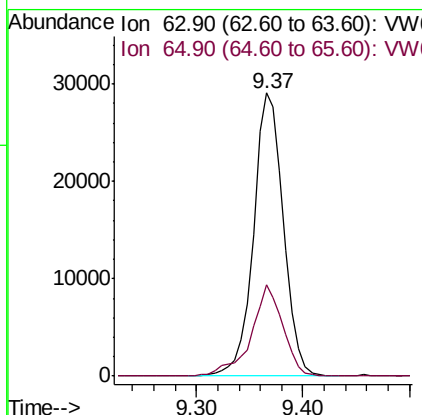
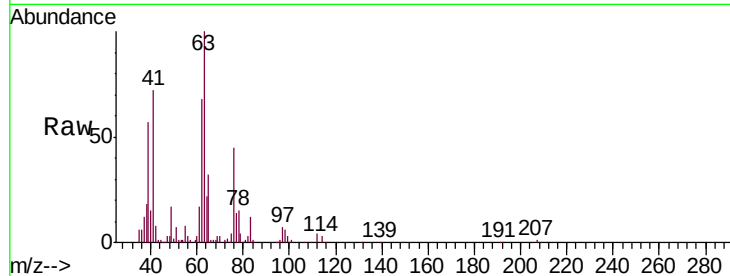
#45
 1,2-Dichloropropane
 Concen: 21.821 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3

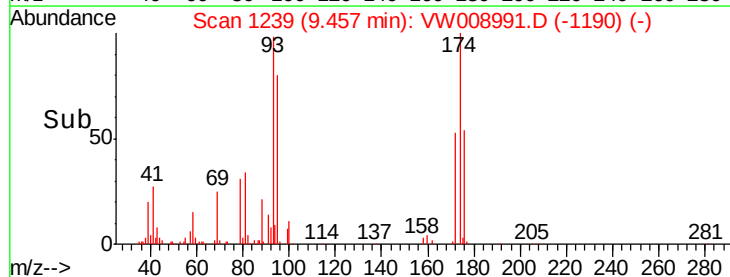
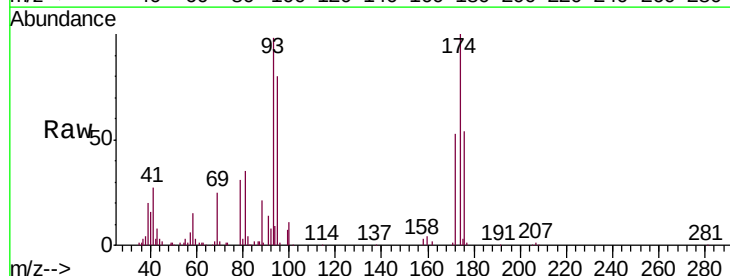
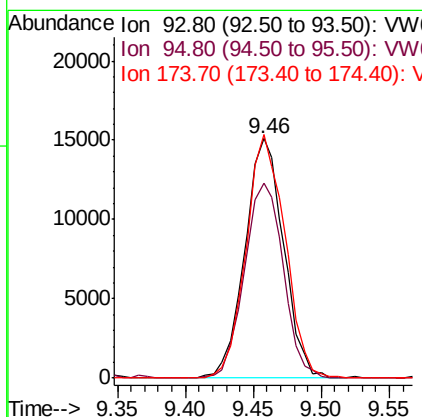
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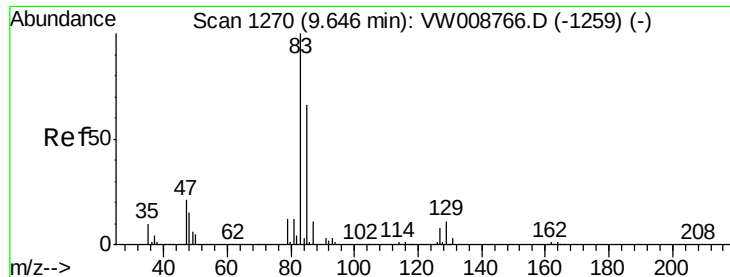
MMDadoda
 3/8/2019 10:54:16 AM



#46
 Dibromomethane
 Concen: 20.610 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	67.7	101.5
174	102.3	86.7	130.1





#47

Bromodichloromethane

Concen: 21.692 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

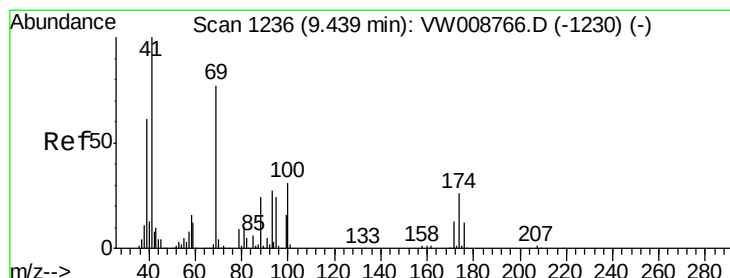
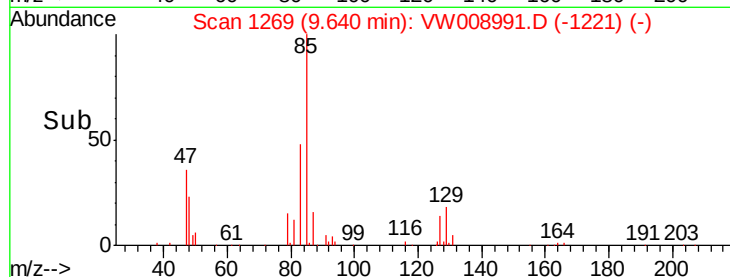
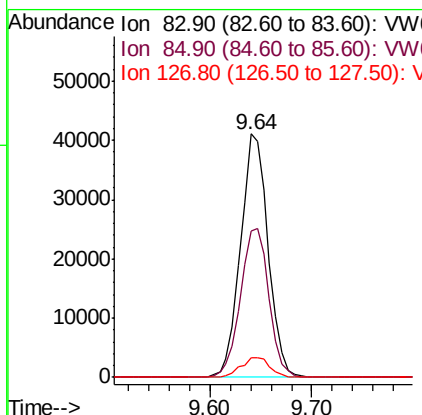
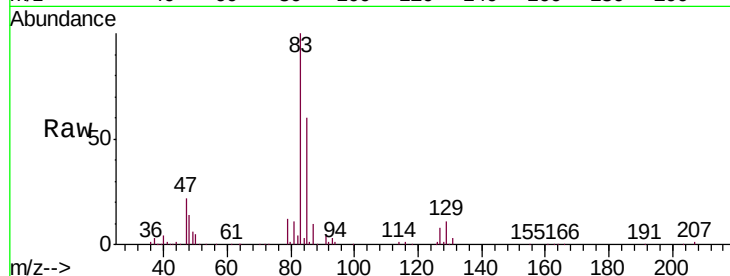
ClientSampleId :

VW0305SBS02

Tgt Ion:	83	Resp:	76871
Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.5	78.7
127	8.2	6.7	10.1

Manual Integrations
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MMDadoda
3/8/2019 10:54:16 AM



#48

Methyl methacrylate

Concen: 18.147 ug/l

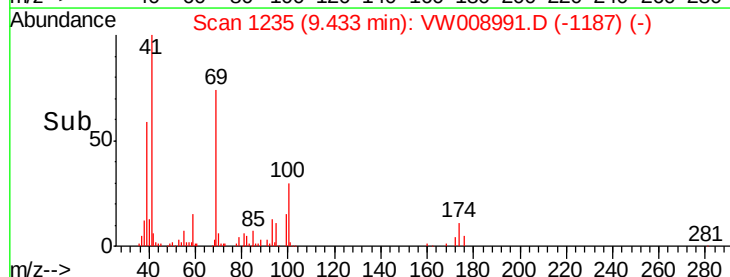
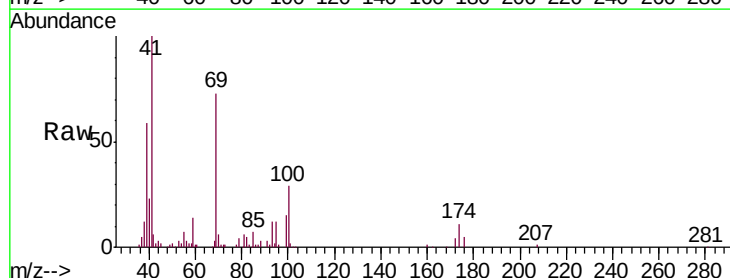
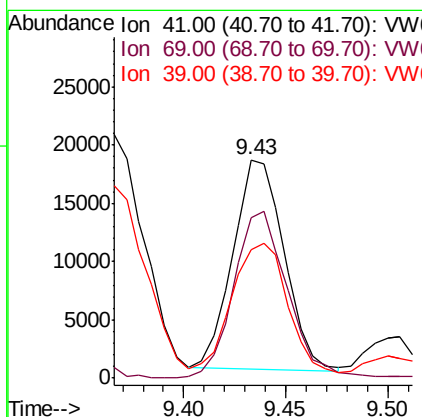
RT: 9.43 min Scan# 1235

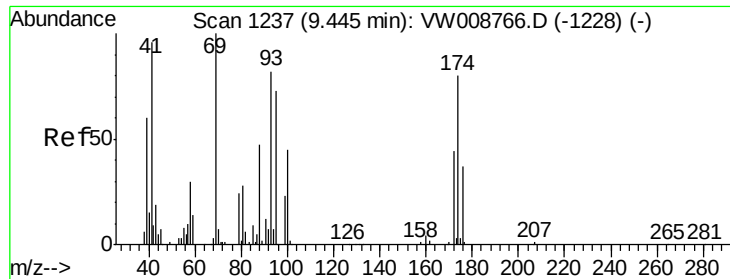
Delta R.T. -0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:	41	Resp:	31306
Ion	Ratio	Lower	Upper
41	100		
69	84.3	63.6	95.4
39	71.9	52.1	78.1





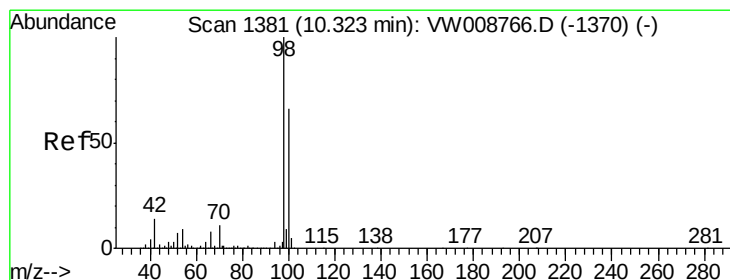
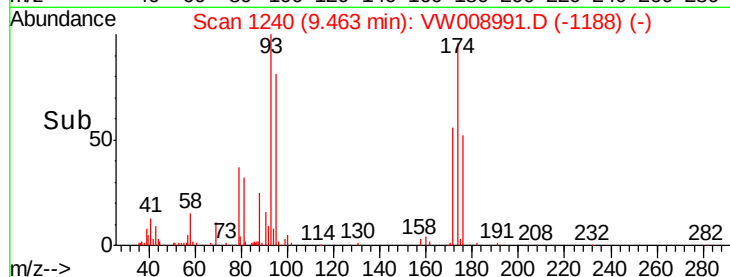
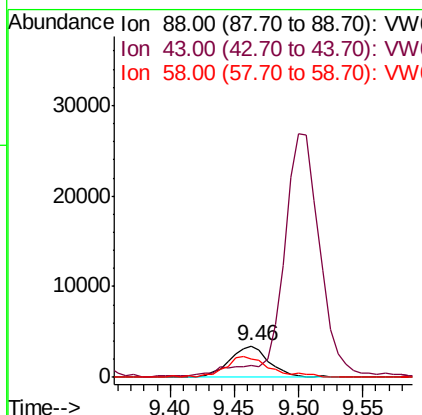
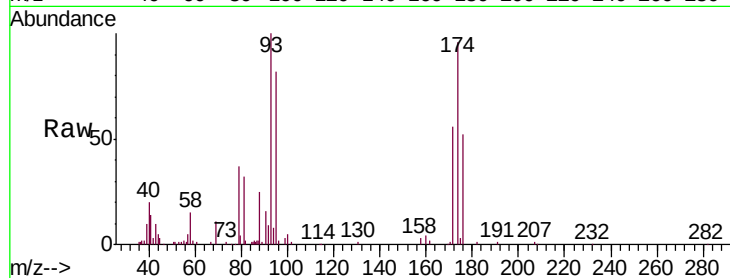
#49
1,4-Dioxane
Concen: 318.717 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	76.5	52.0	78.0

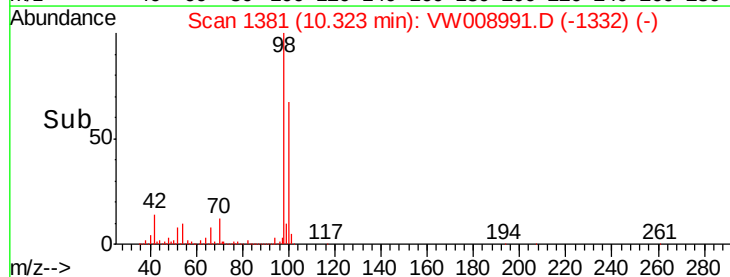
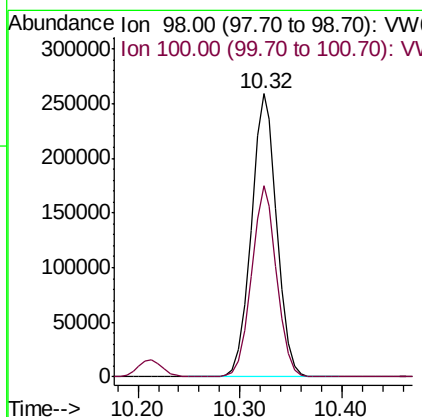
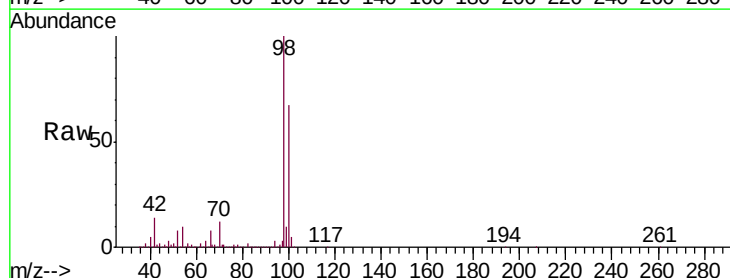
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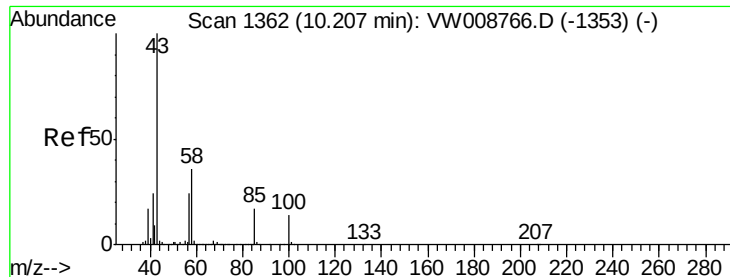
MMDadoda
3/8/2019 10:54:16 AM



#50
Toluene-d8
Concen: 48.611 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.4	78.6





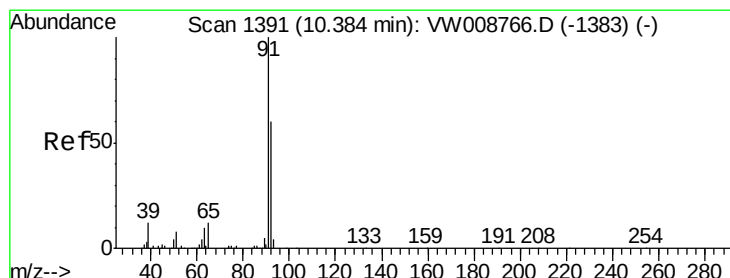
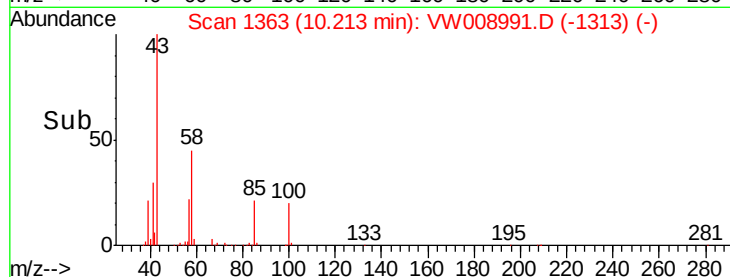
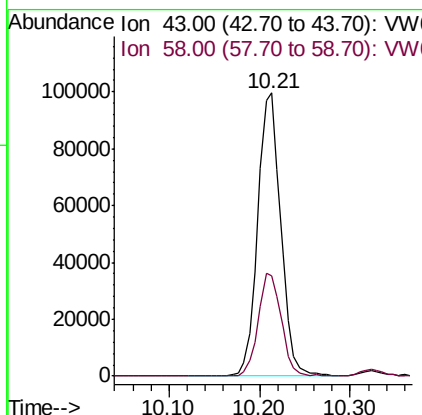
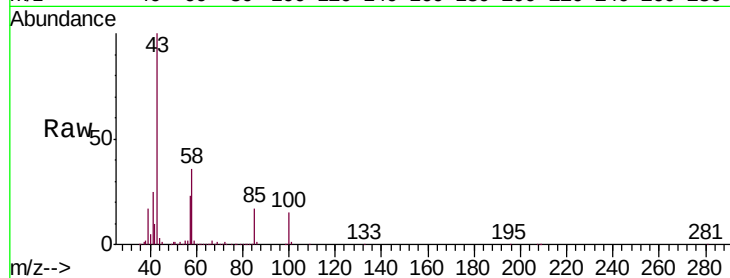
#51
4-Methyl-2-Pentanone
Concen: 95.817 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion: 43 Resp: 175221
Ion Ratio Lower Upper
43 100
58 36.5 29.1 43.7

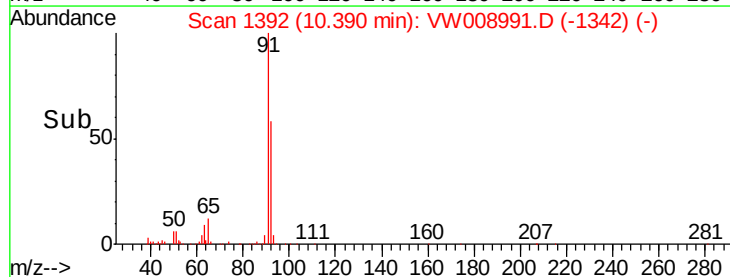
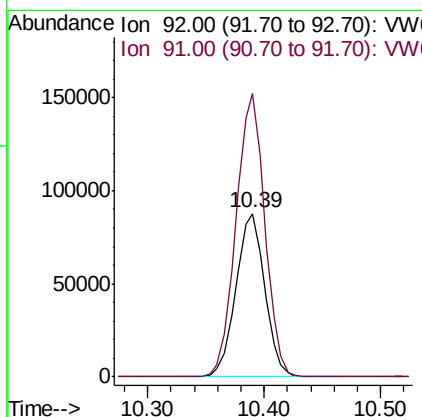
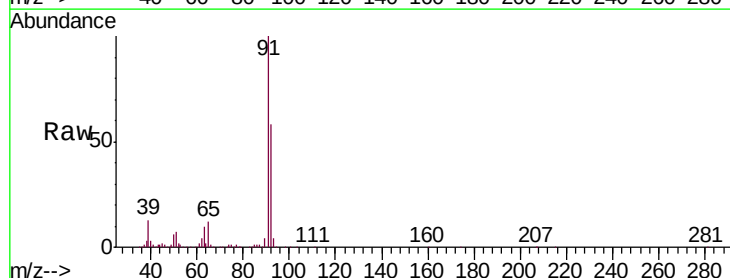
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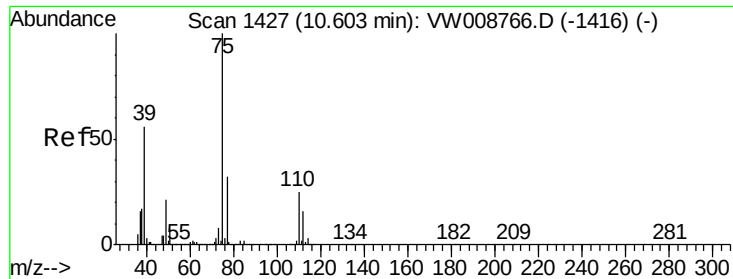
MMDadoda
3/8/2019 10:54:16 AM



#52
Toluene
Concen: 21.083 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 92 Resp: 151621
Ion Ratio Lower Upper
92 100
91 172.8 136.9 205.3





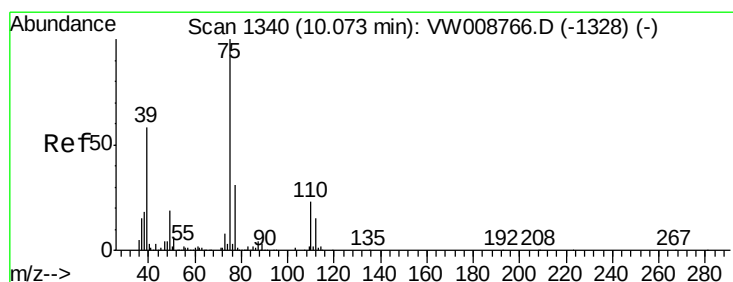
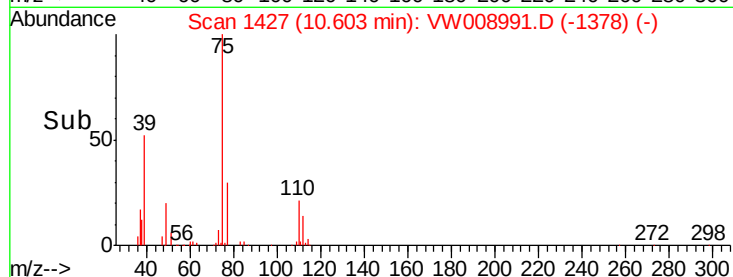
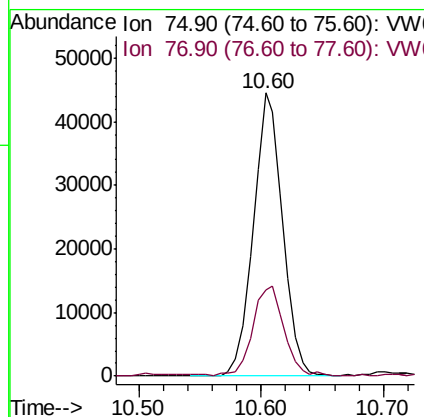
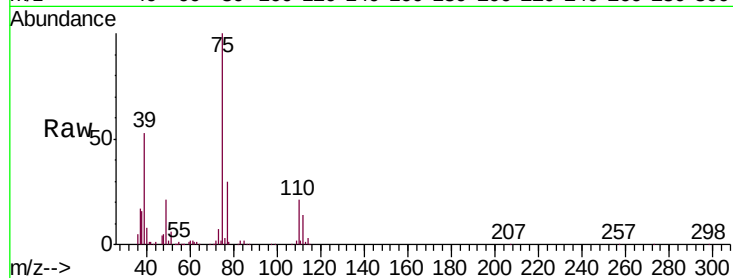
#53
t-1,3-Dichloropropene
Concen: 20.506 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion: 75 Resp: 74067
Ion Ratio Lower Upper
75 100
77 30.2 26.1 39.1

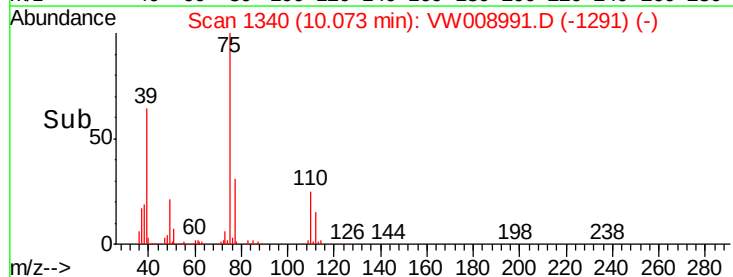
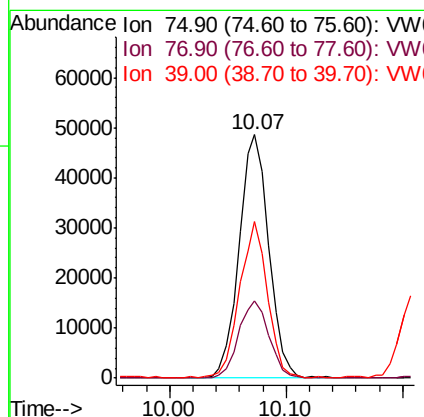
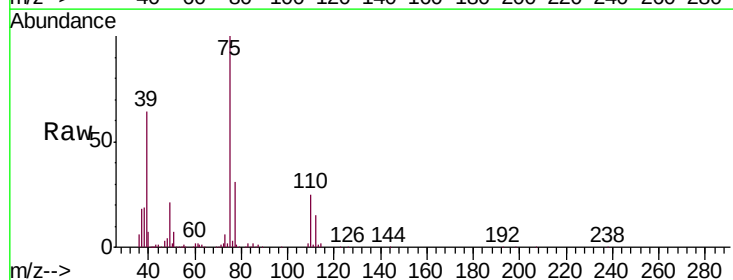
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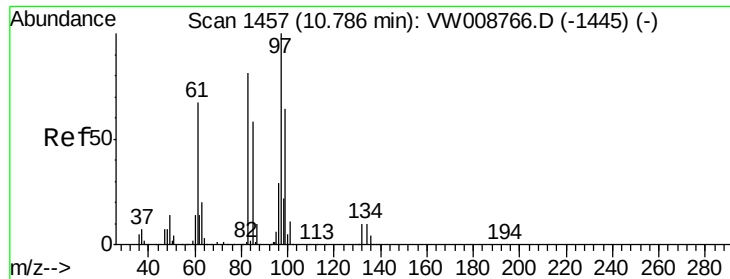
MMDadoda
3/8/2019 10:54:16 AM



#54
cis-1,3-Dichloropropene
Concen: 20.935 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 75 Resp: 86242
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4
39 63.9 46.6 70.0





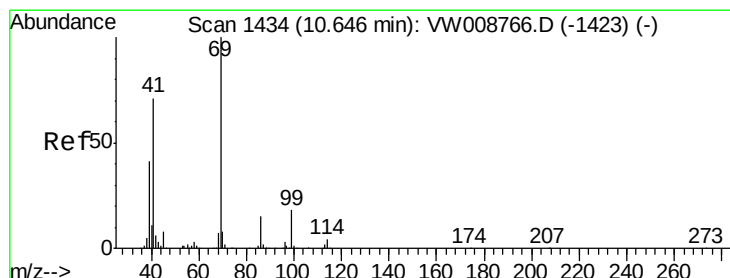
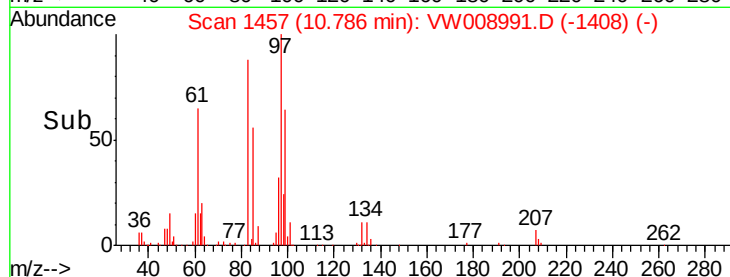
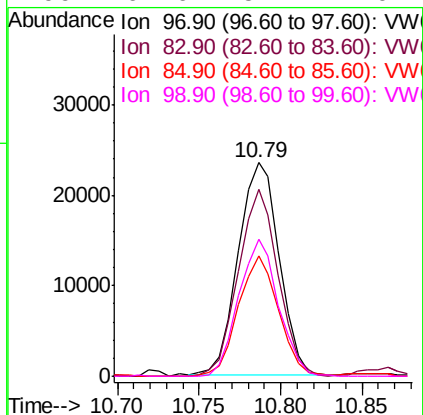
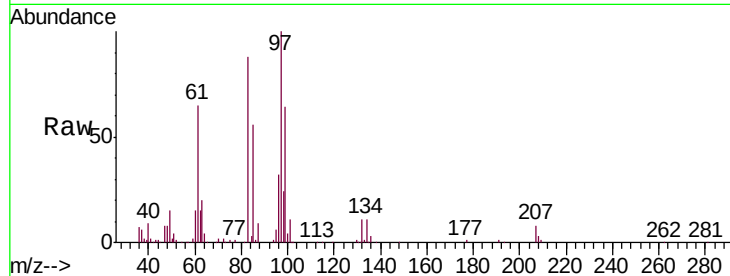
#55
 1,1,2-Trichloroethane
 Concen: 20.780 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.0	65.0	97.6
85	56.3	46.0	69.0
99	64.6	51.1	76.7

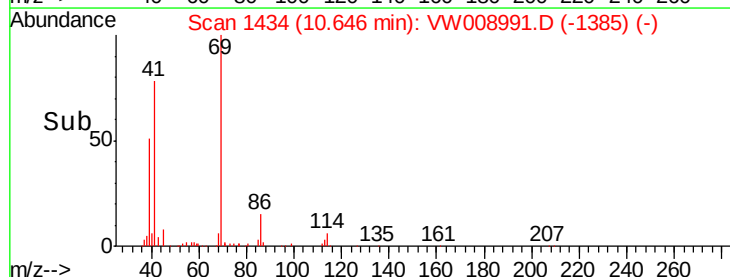
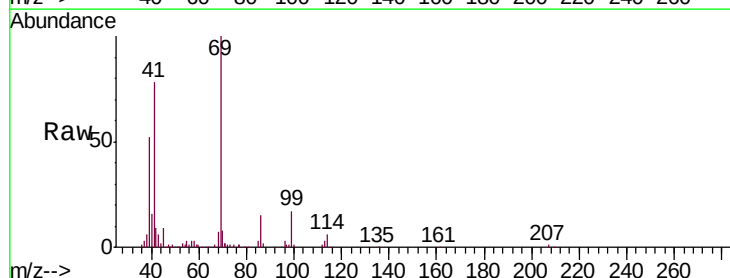
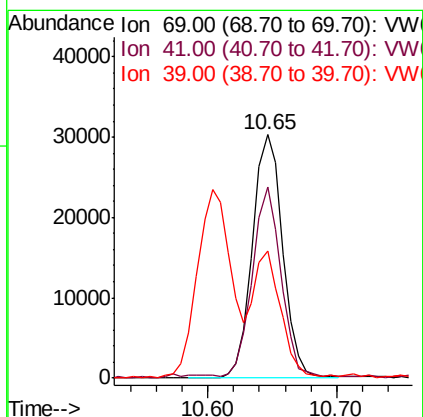
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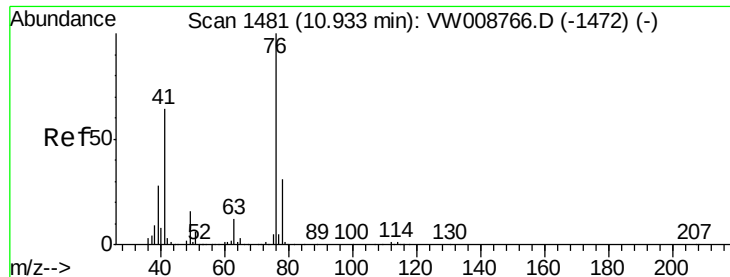
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.100 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.3	57.4	86.0
39	46.5	34.8	52.2





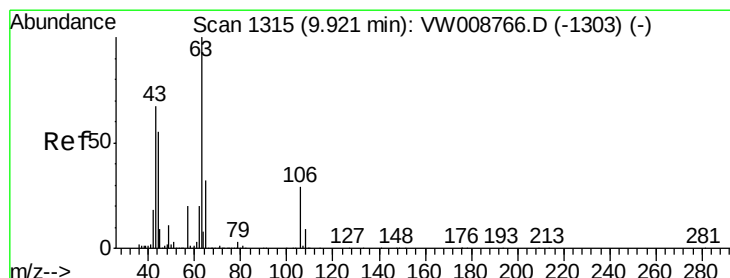
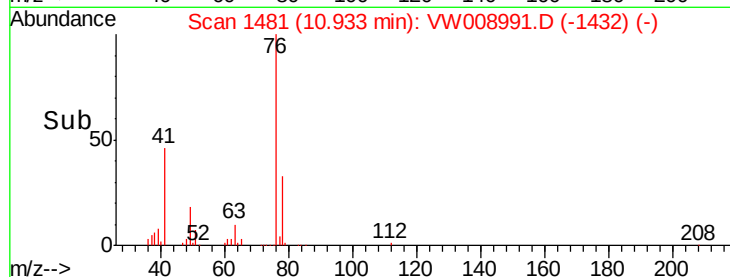
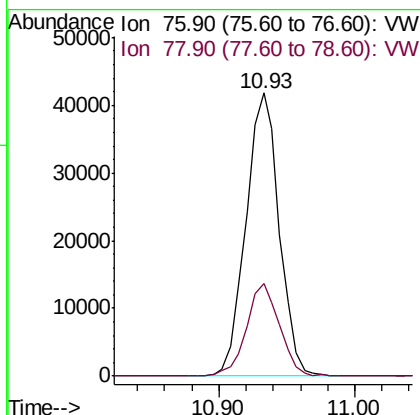
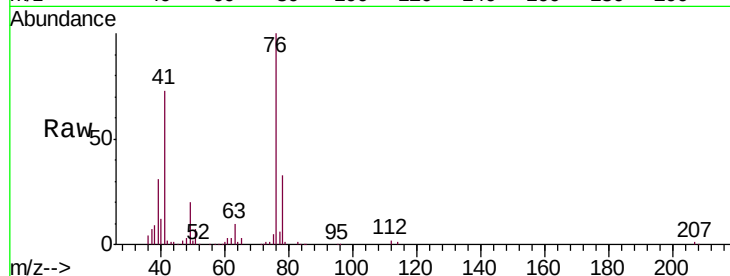
#57
 1,3-Dichloropropane
 Concen: 20.567 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion: 76 Resp: 71728
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8

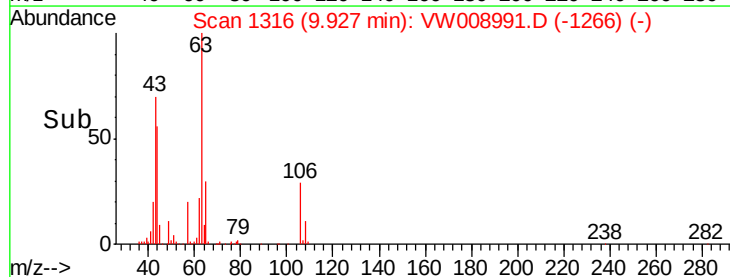
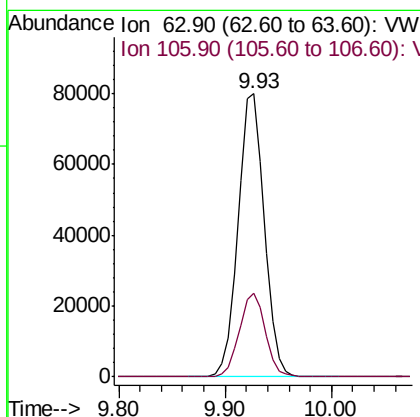
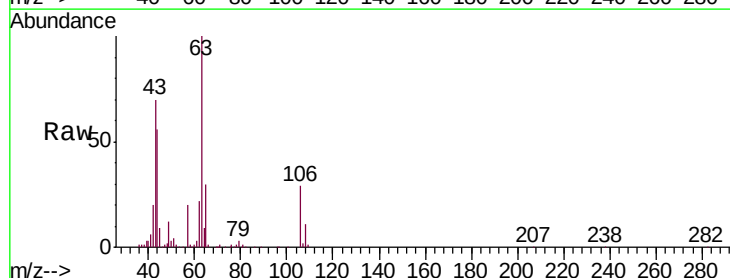
Manual Integrations
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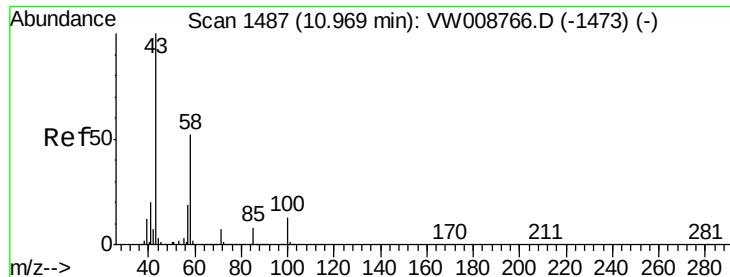
MMDadoda
 3/8/2019 10:54:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.275 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion: 63 Resp: 138460
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.0 36.0





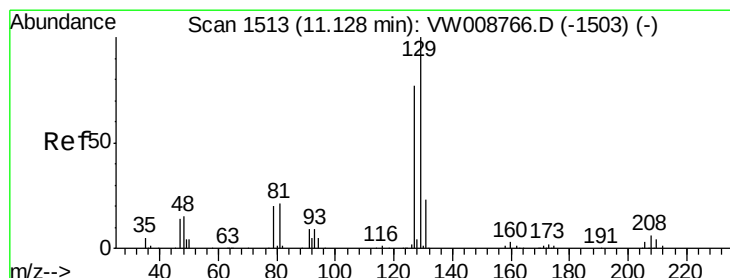
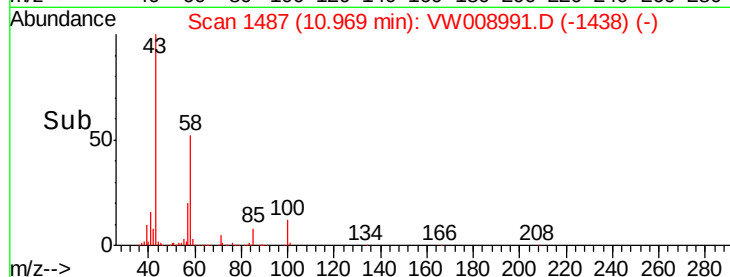
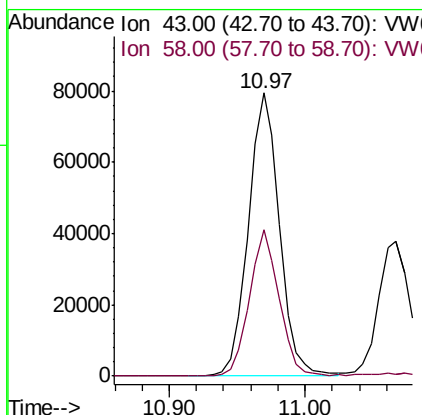
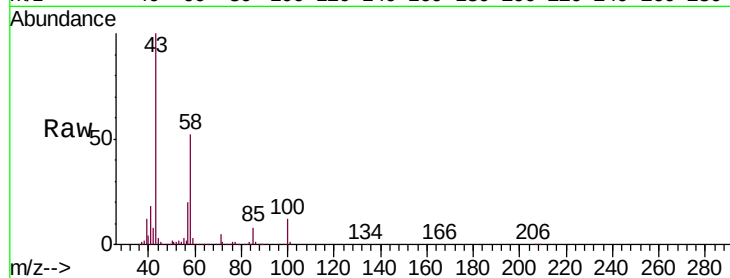
#59
2-Hexanone
Concen: 97.214 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion: 43 Resp: 126548
Ion Ratio Lower Upper
43 100
58 49.5 25.3 75.8

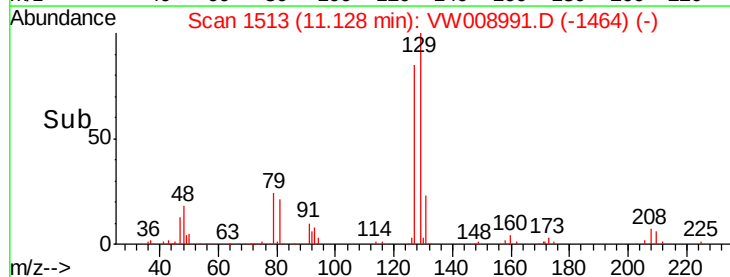
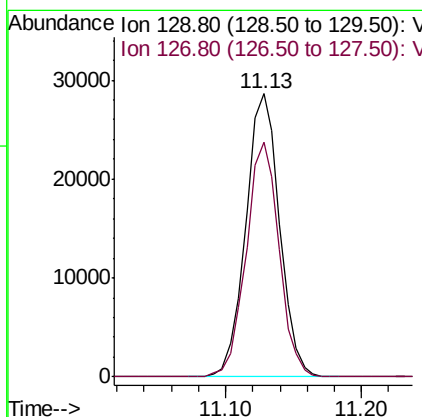
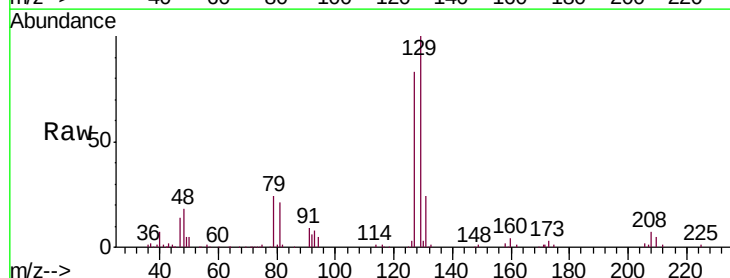
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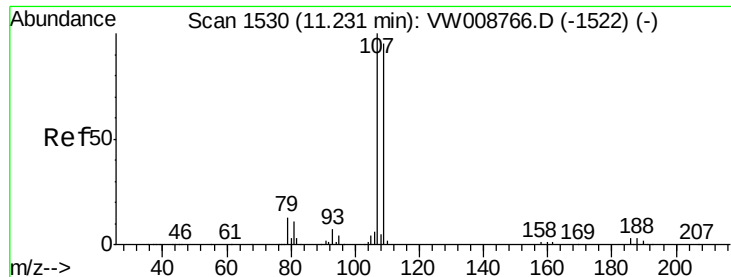
MMDadoda
3/8/2019 10:54:16 AM



#60
Dibromochloromethane
Concen: 20.659 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 129 Resp: 49773
Ion Ratio Lower Upper
129 100
127 81.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.983 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBSD02

Tgt Ion: 107 Resp: 39071

Ion Ratio Lower Upper

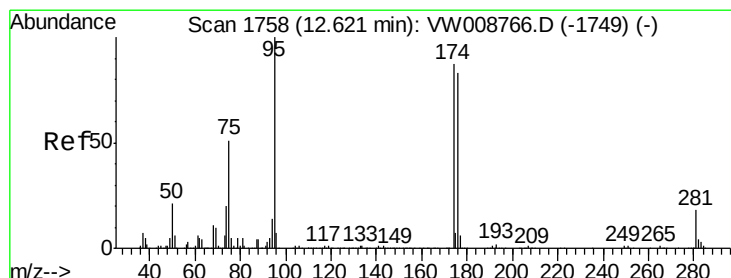
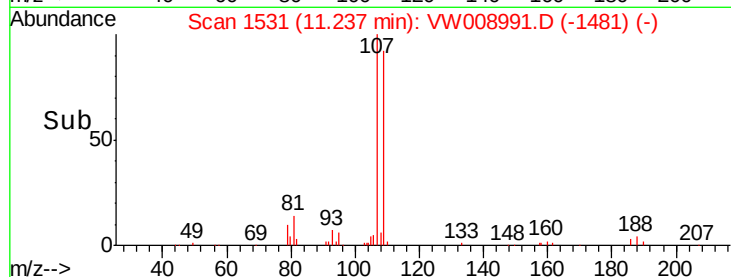
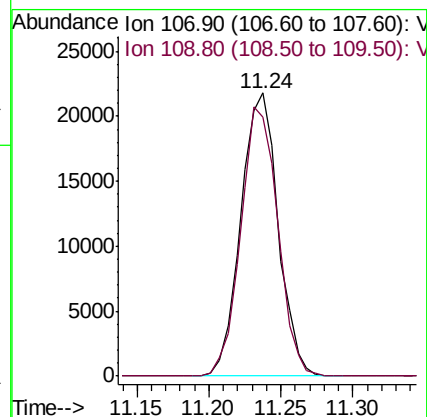
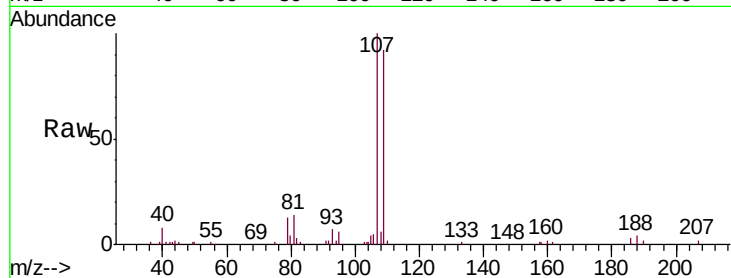
107 100

109 94.5 75.6 113.4

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MMDadoda

3/8/2019 10:54:16 AM



#62

4-Bromofluorobenzene

Concen: 48.358 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

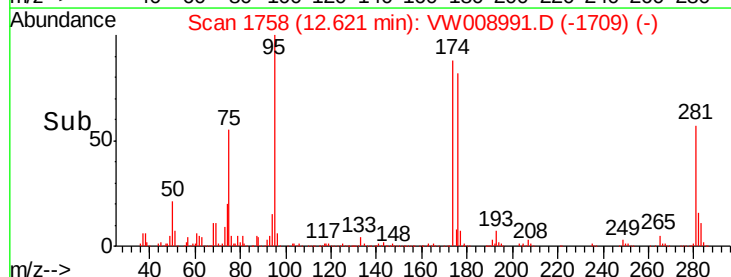
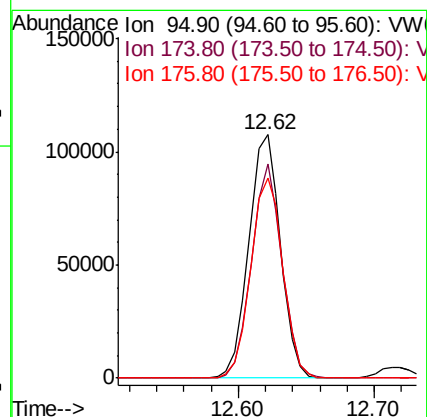
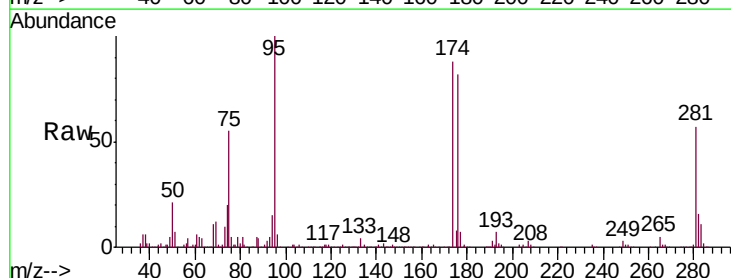
Tgt Ion: 95 Resp: 174965

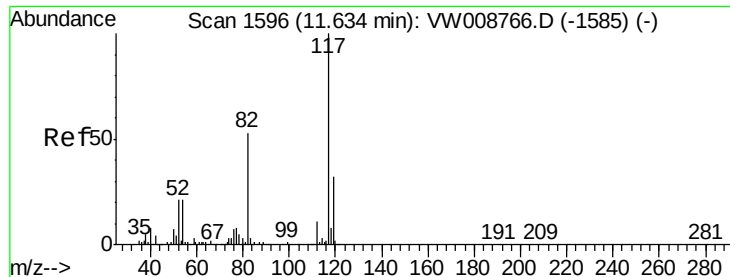
Ion Ratio Lower Upper

95 100

174 84.5 0.0 169.2

176 83.3 0.0 163.6





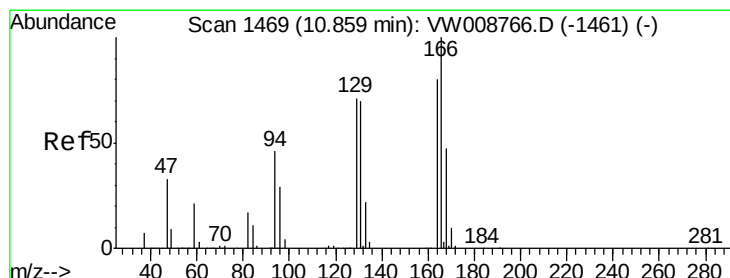
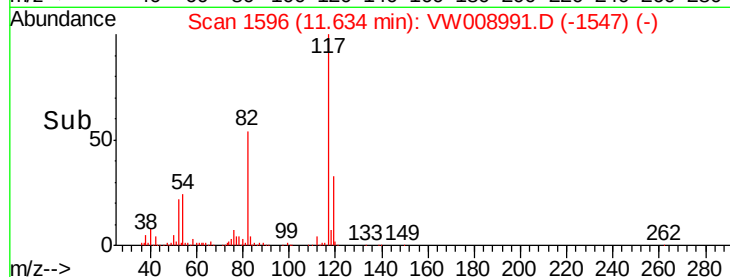
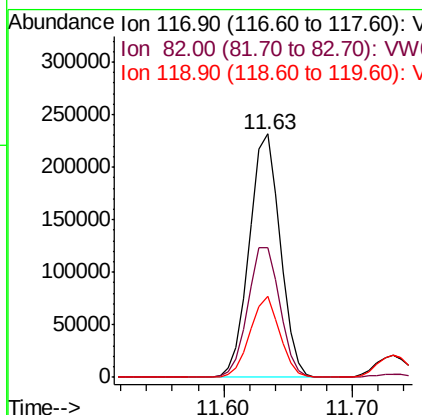
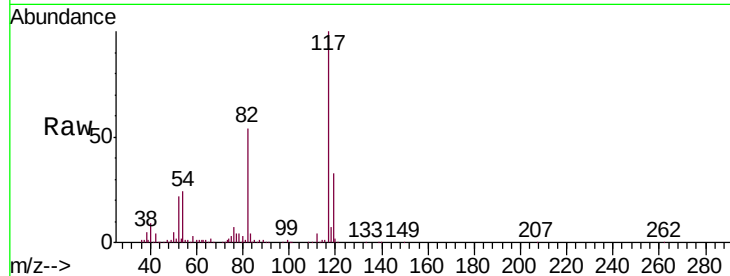
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	382102		
82	53.5	42.2	63.4	
119	33.1	25.9	38.9	

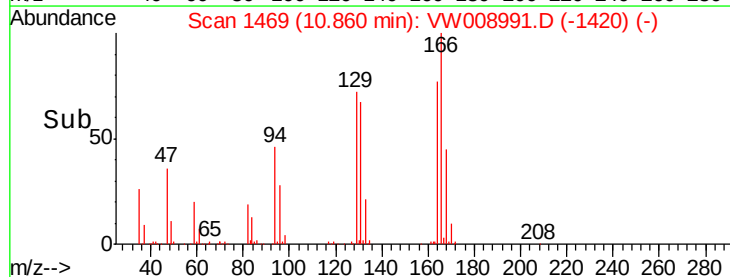
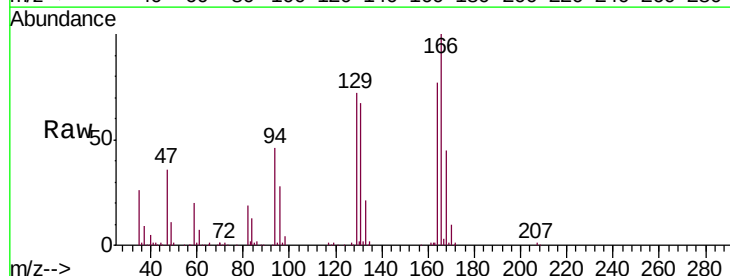
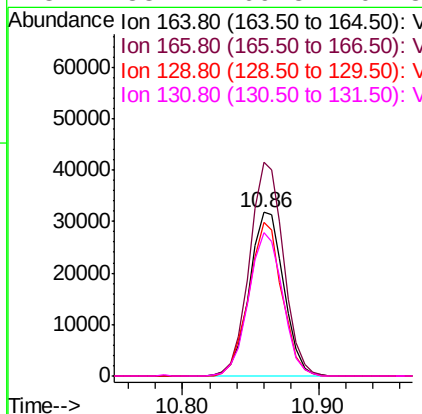
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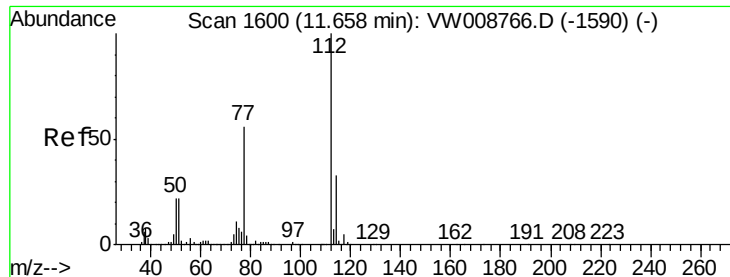
MMDadoda
3/8/2019 10:54:16 AM



#64
Tetrachloroethene
Concen: 20.654 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56493		
166	130.7	99.5	149.3	
129	94.1	71.1	106.7	
131	88.1	69.8	104.8	





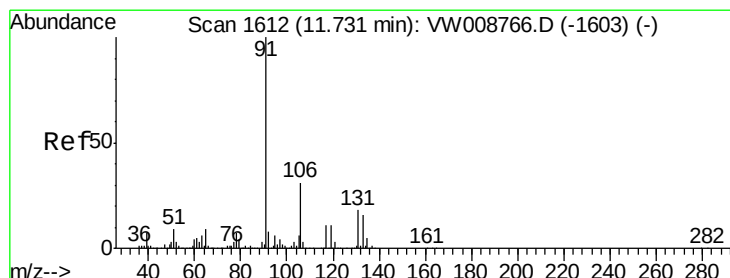
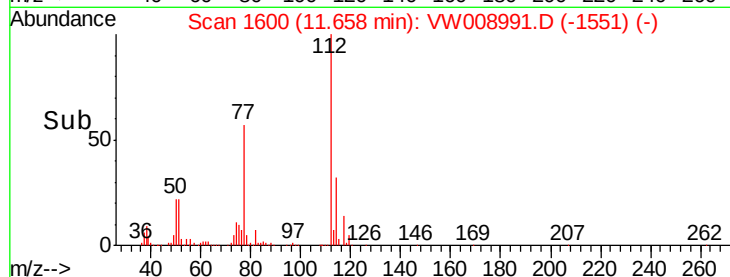
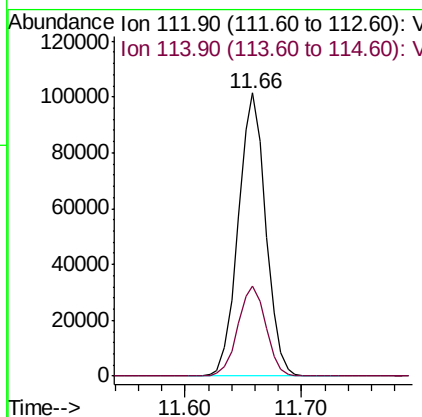
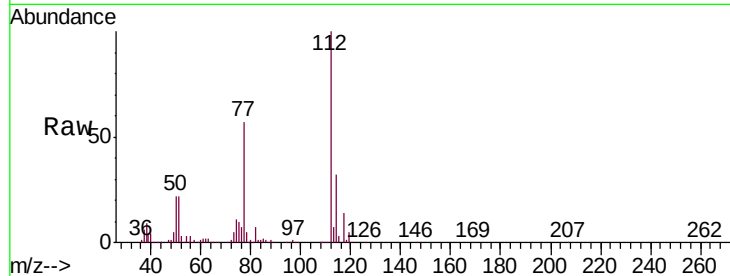
#65
Chlorobenzene
Concen: 20.744 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	166665		
114	31.8	26.6	40.0	

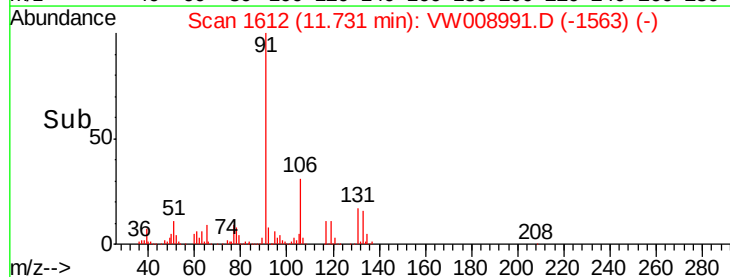
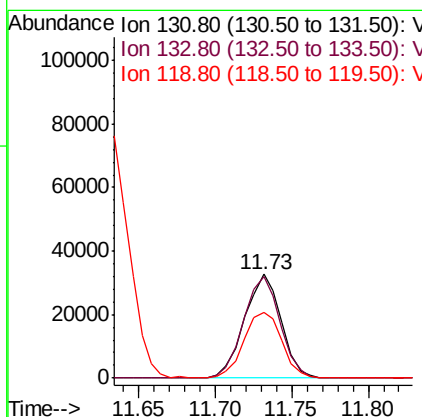
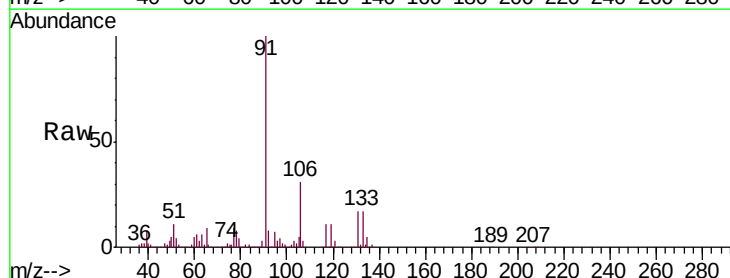
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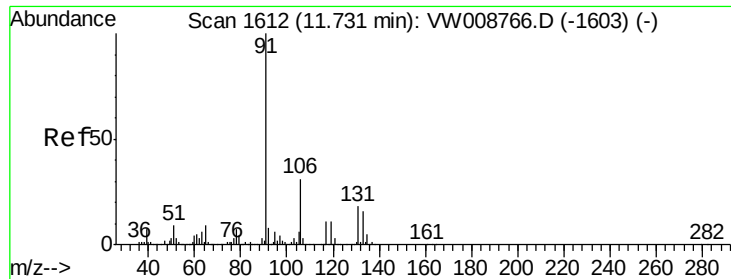
MMDadoda
3/8/2019 10:54:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.145 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	54728		
133	97.0	46.7	140.0	
119	65.7	30.8	92.4	





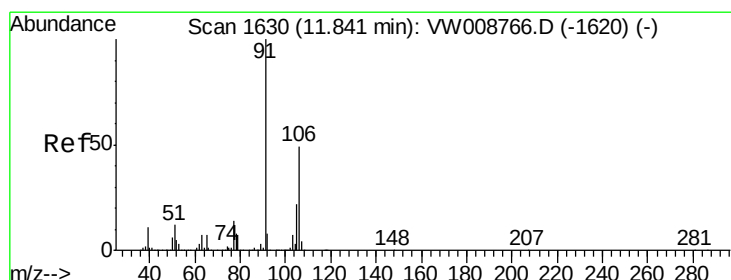
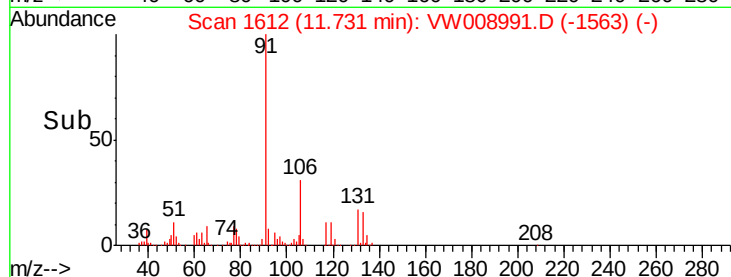
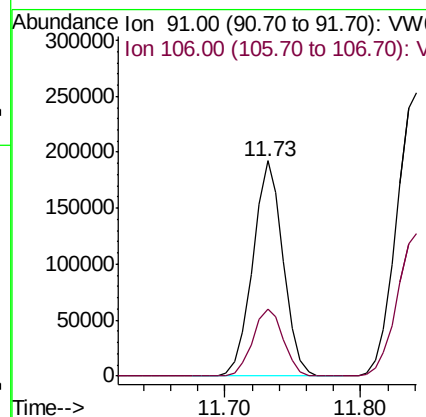
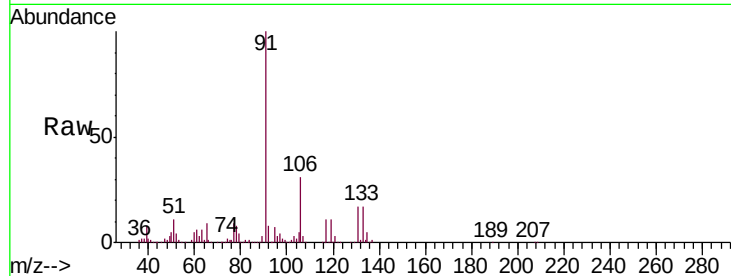
#67
Ethyl Benzene
Concen: 20.850 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion: 91 Resp: 299474
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

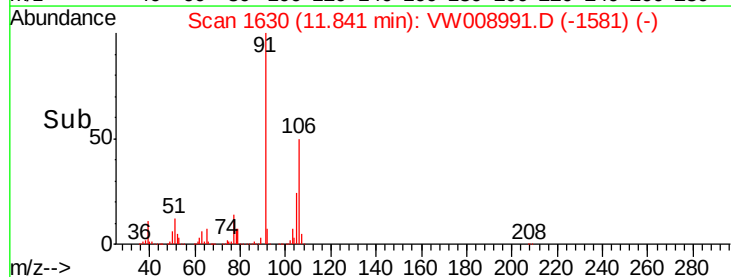
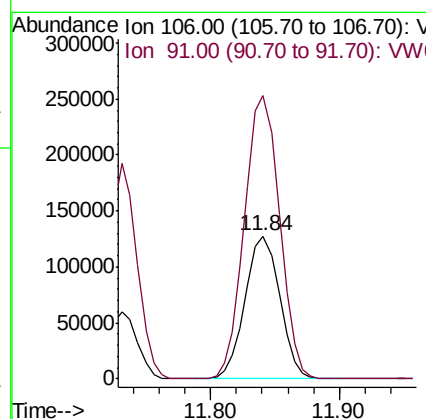
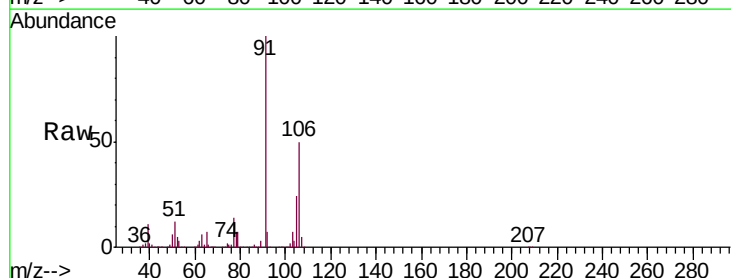
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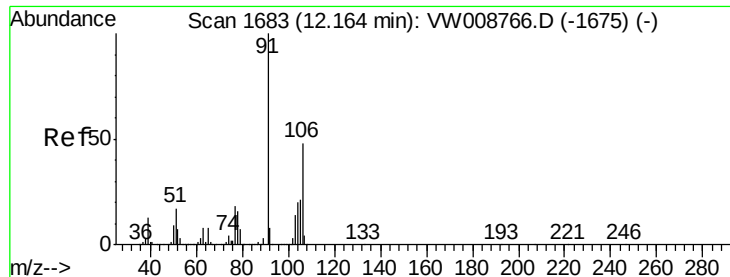
MMDadoda
3/8/2019 10:54:16 AM



#68
m/p-Xylenes
Concen: 41.688 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion: 106 Resp: 239239
Ion Ratio Lower Upper
106 100
91 200.4 161.5 242.3





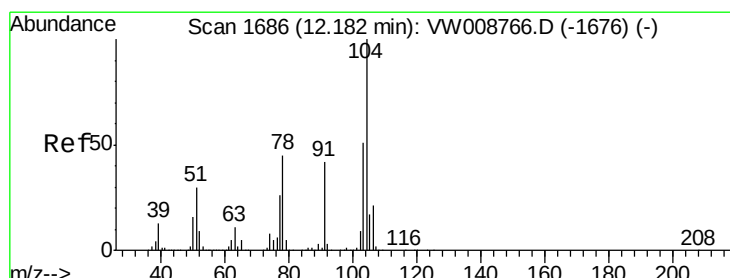
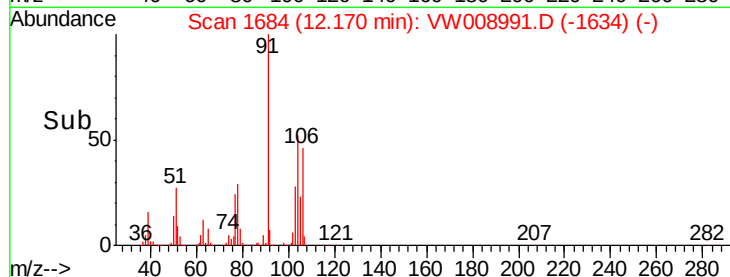
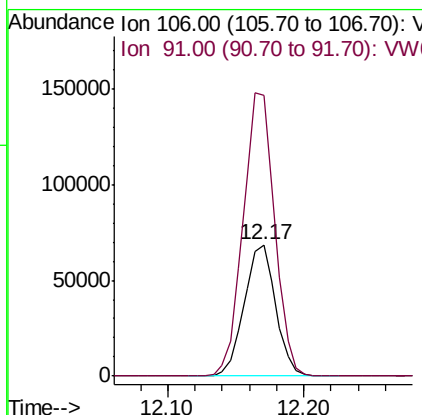
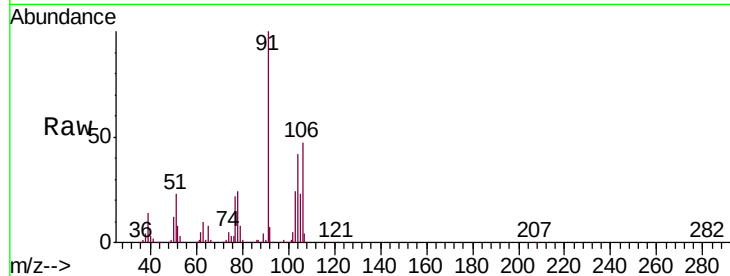
#69
o-Xylene
Concen: 20.576 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion:106 Resp: 110833
Ion Ratio Lower Upper
106 100
91 216.8 106.2 318.6

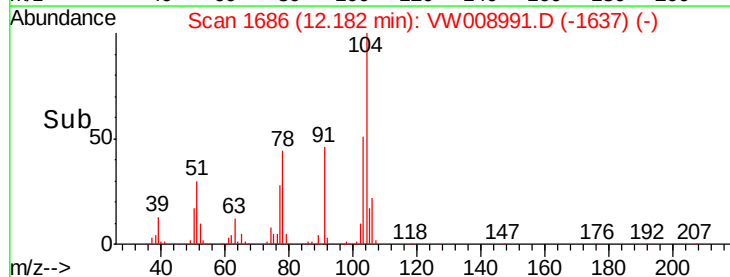
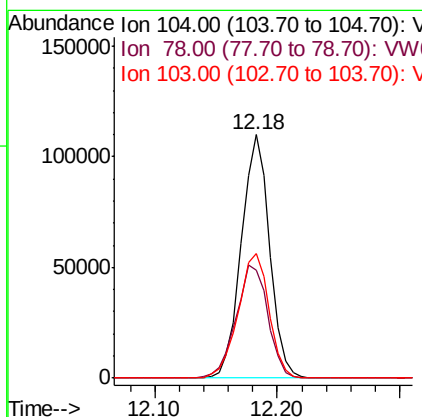
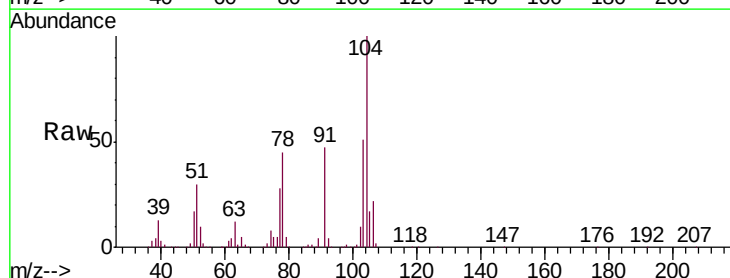
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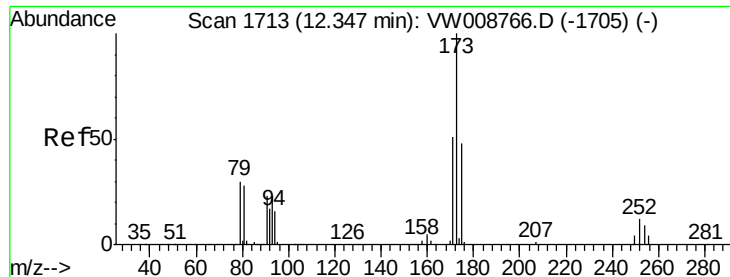
MMDadoda
3/8/2019 10:54:16 AM



#70
Styrene
Concen: 20.378 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion:104 Resp: 176594
Ion Ratio Lower Upper
104 100
78 52.2 40.8 61.2
103 55.9 44.2 66.2





#71

Bromoform

Concen: 19.621 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion:173 Resp: 28652

Ion Ratio Lower Upper

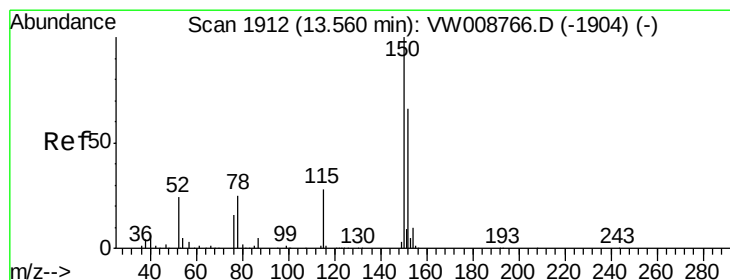
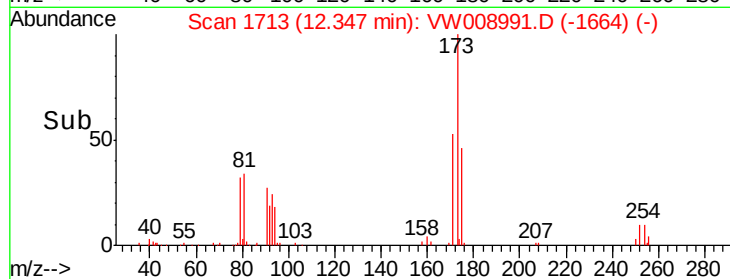
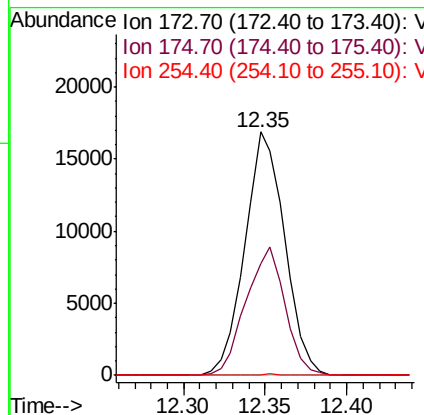
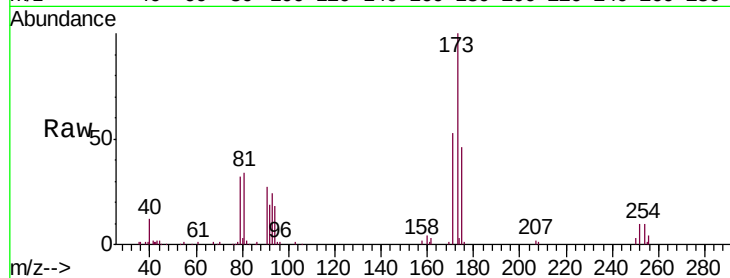
173 100

175 51.6 24.2 72.6

254 0.1 0.2 0.4#

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3/8/2019 10:54:16 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

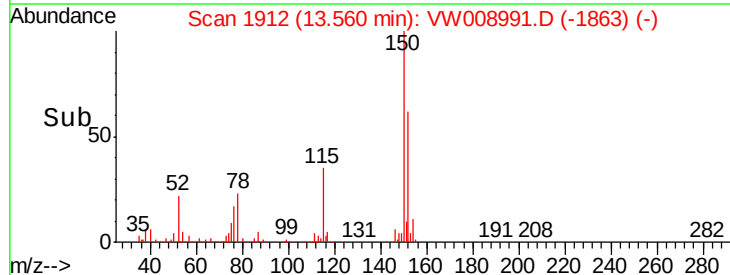
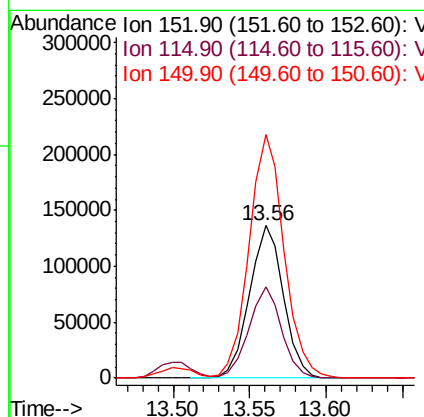
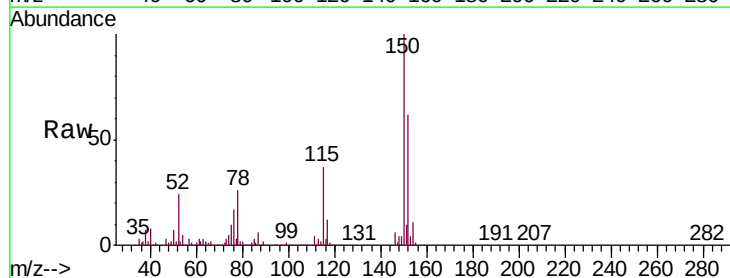
Tgt Ion:152 Resp: 209845

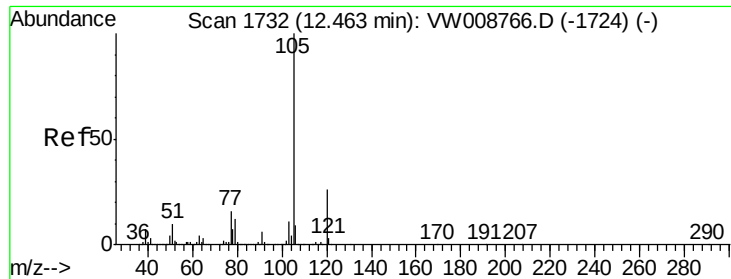
Ion Ratio Lower Upper

152 100

115 58.1 28.6 85.8

150 165.2 0.0 348.0





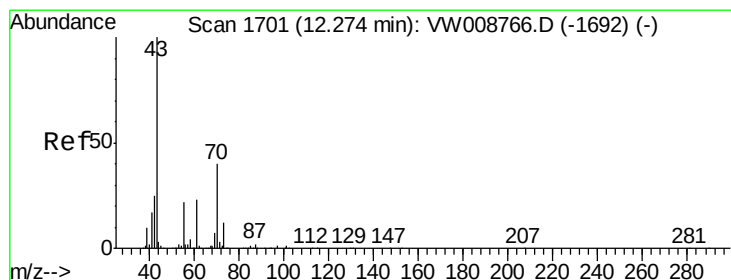
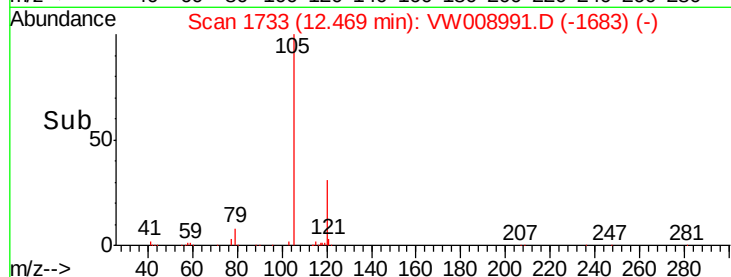
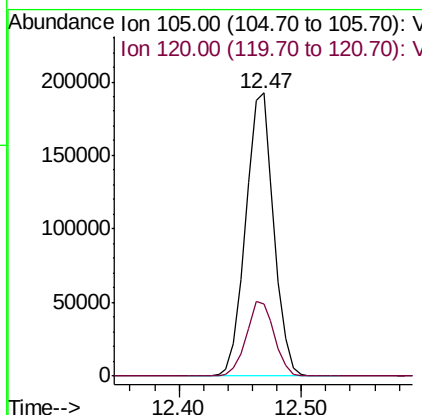
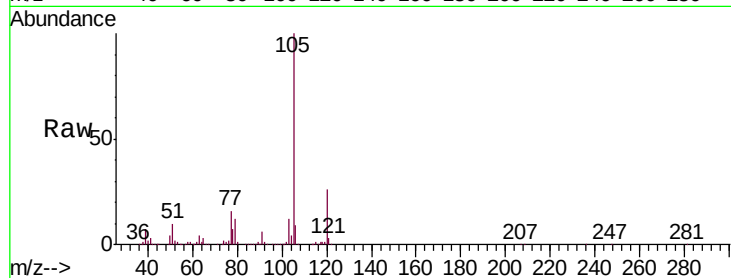
#73
Isopropylbenzene
Concen: 21.246 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.9

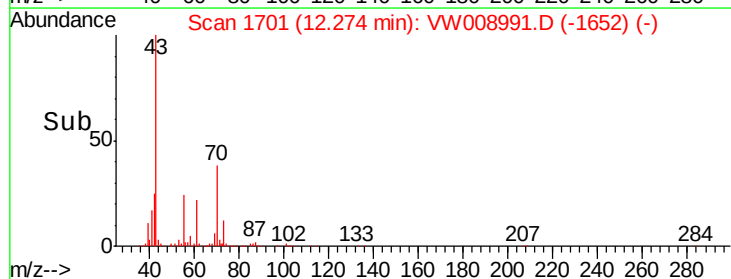
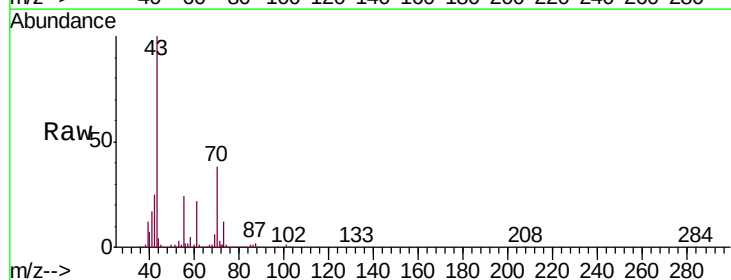
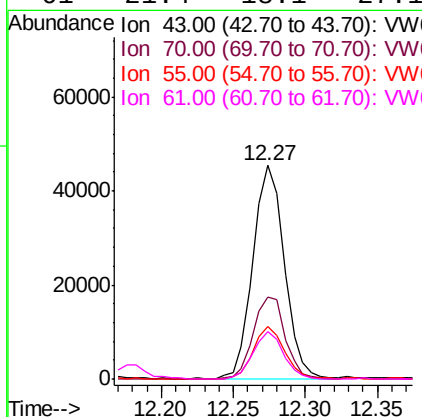
Manual Integrations
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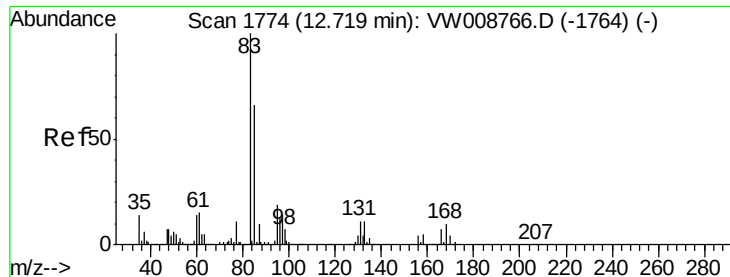
MMDadoda
3/8/2019 10:54:16 AM



#74
N-ethyl acetate
Concen: 18.997 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.0	46.6
55	24.7	18.7	28.1
61	21.4	18.1	27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.500 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

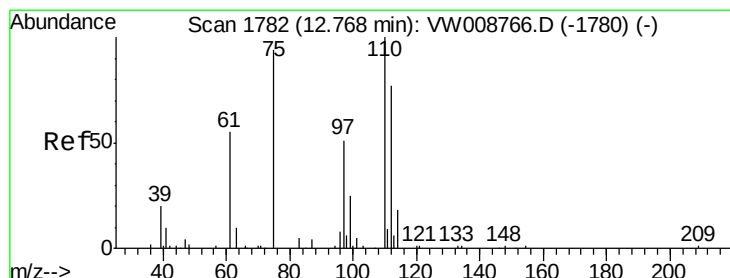
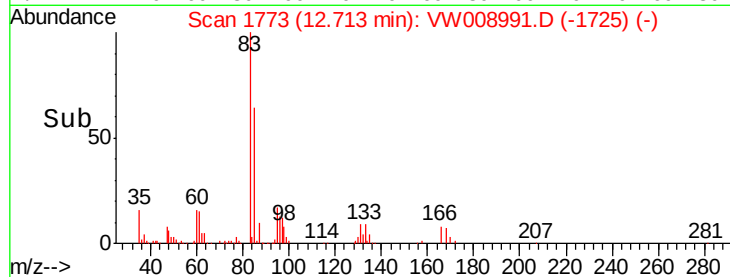
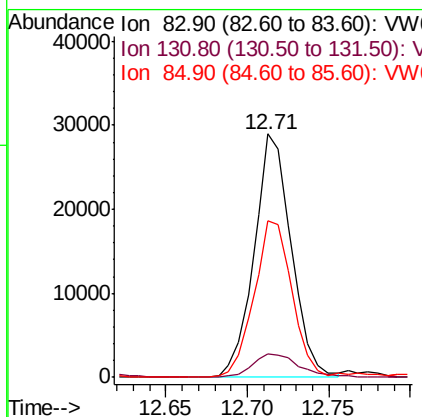
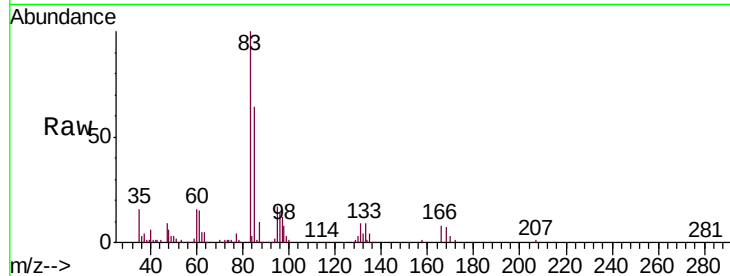
ClientSampleId :

VW0305SBSD02

Tgt Ion:	83	Resp:	45836
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.5	16.7
85	66.3	33.0	98.9

Manual Integrations
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3/8/2019 10:54:16 AM



#76

1,2,3-Trichloropropane

Concen: 20.043 ug/l m

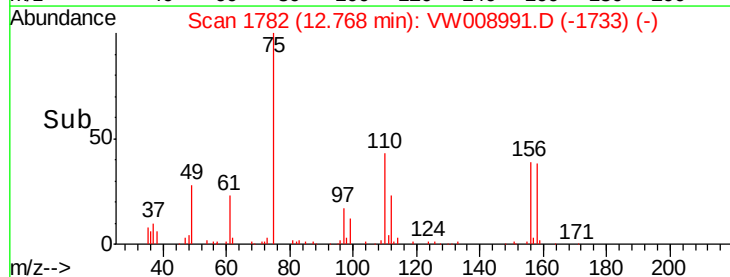
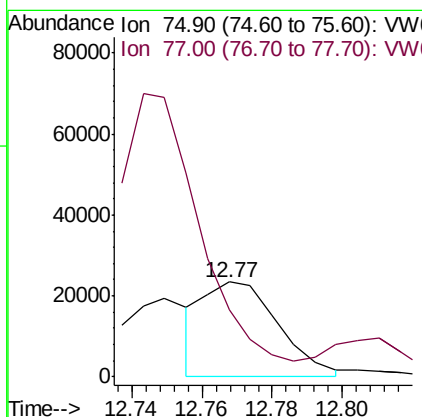
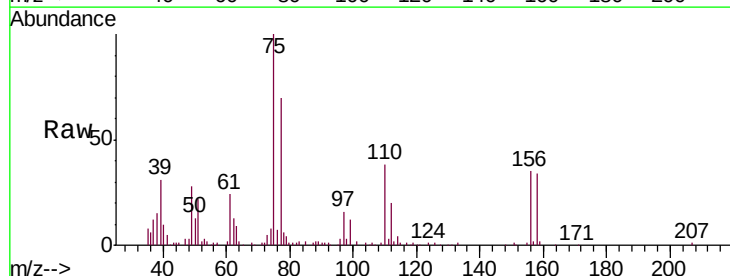
RT: 12.77 min Scan# 1782

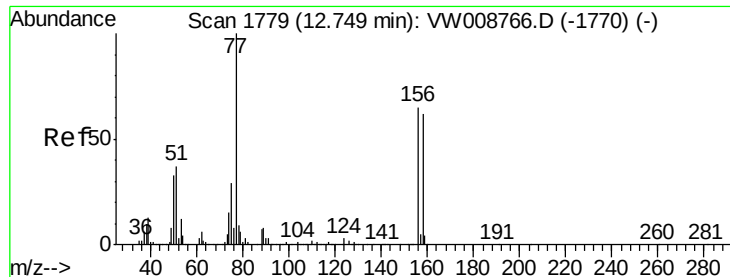
Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:	75	Resp:	34726
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.814 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

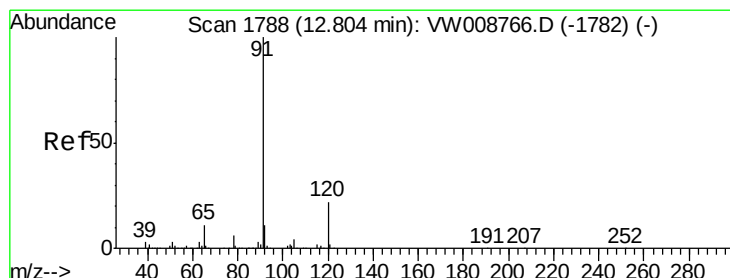
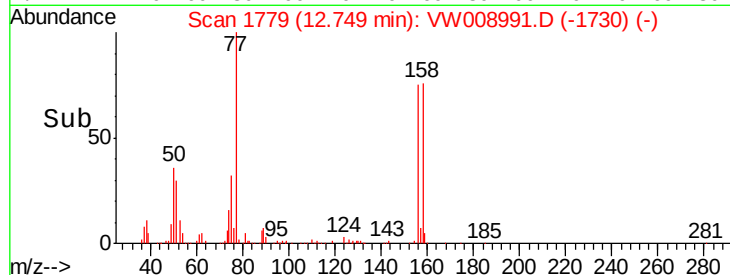
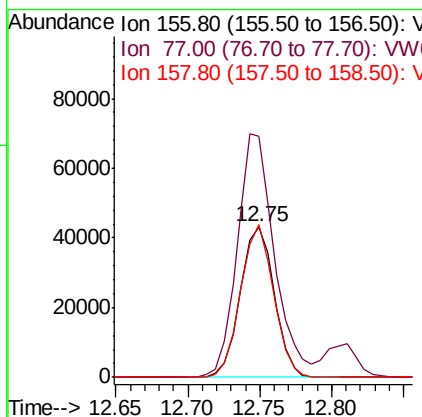
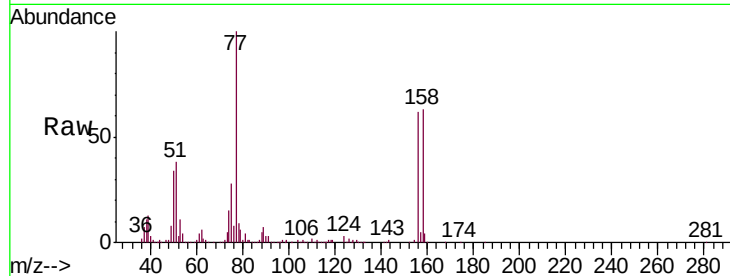
ClientSampleId :

VW0305SBS02

Tgt Ion:	156	Resp:	70756
Ion Ratio	Lower	Upper	
156	100		
77	176.7	89.1	267.4
158	98.5	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.607 ug/l

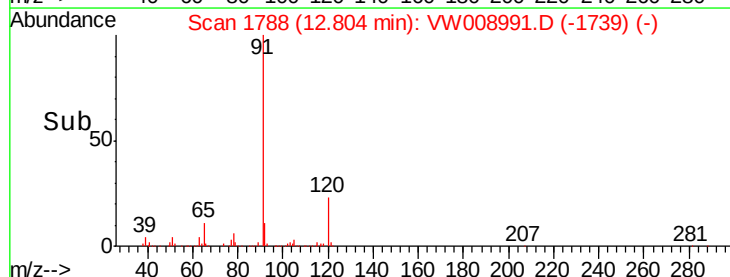
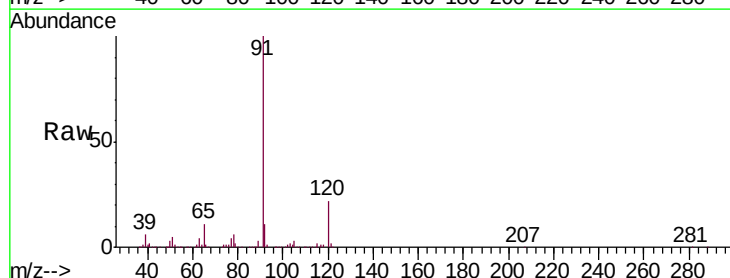
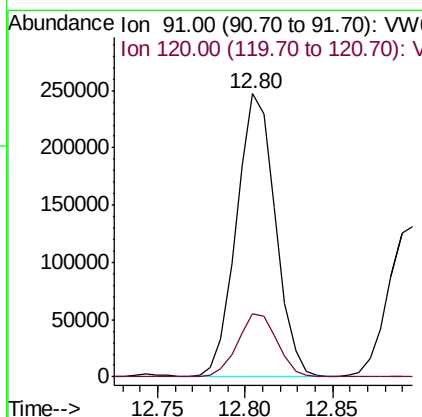
RT: 12.80 min Scan# 1788

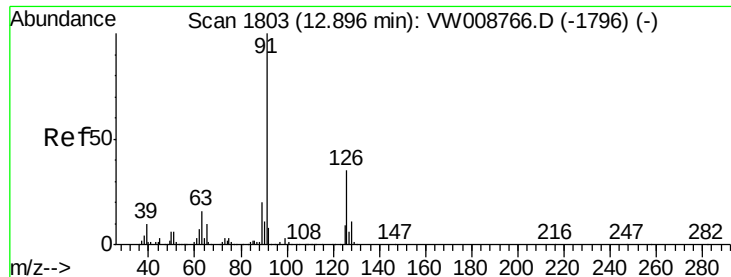
Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:	91	Resp:	380217
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.4





#79

2-Chlorotoluene

Concen: 21.382 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 91 Resp: 213624

Ion Ratio Lower Upper

91 100

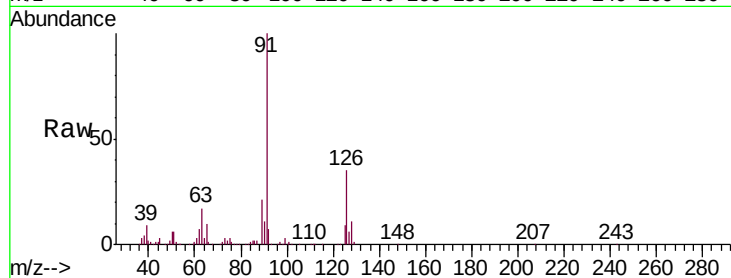
126 34.5 17.0 51.0

Manual Integrations

APPROVED

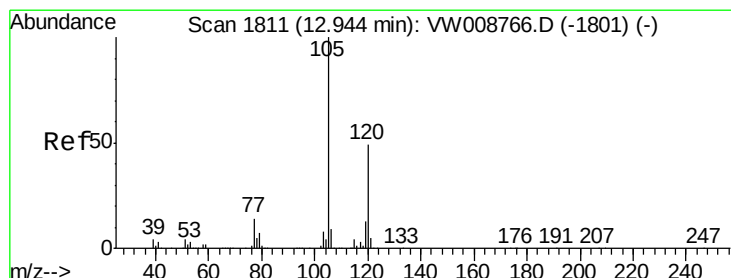
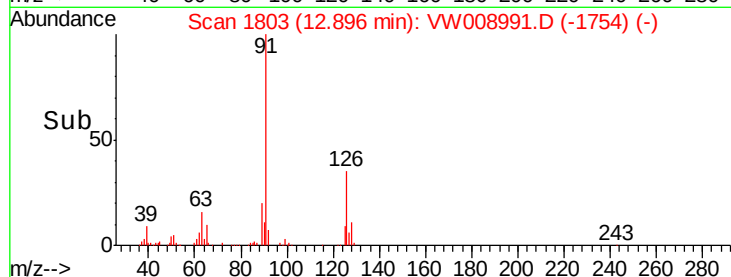
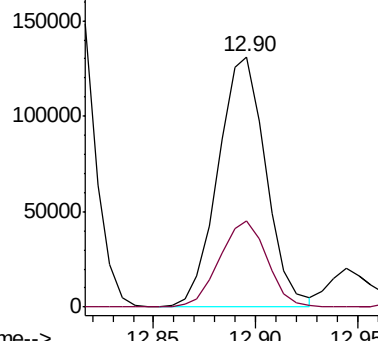
MMDadoda

3/8/2019 10:54:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.072 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008991.D

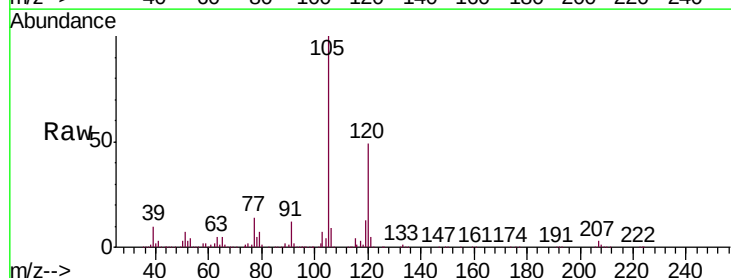
Acq: 05 Mar 2019 12:44

Tgt Ion: 105 Resp: 263432

Ion Ratio Lower Upper

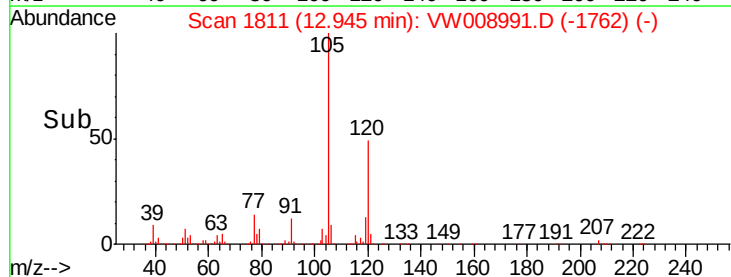
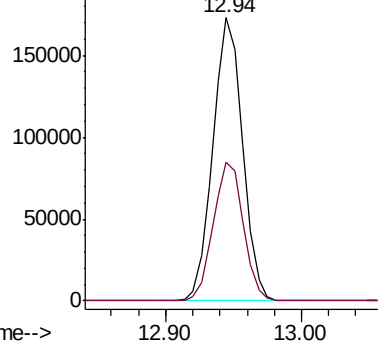
105 100

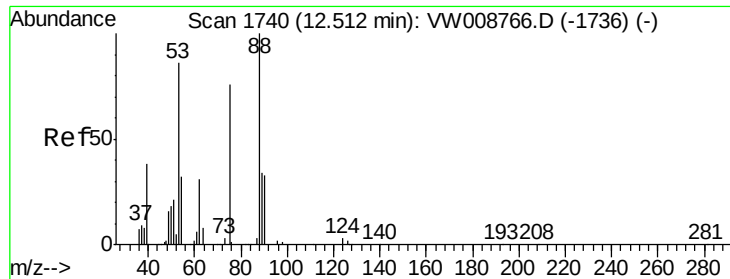
120 49.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





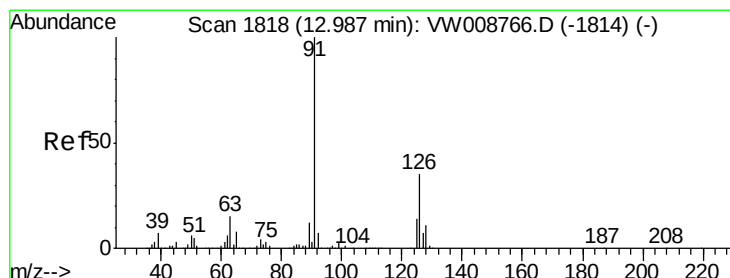
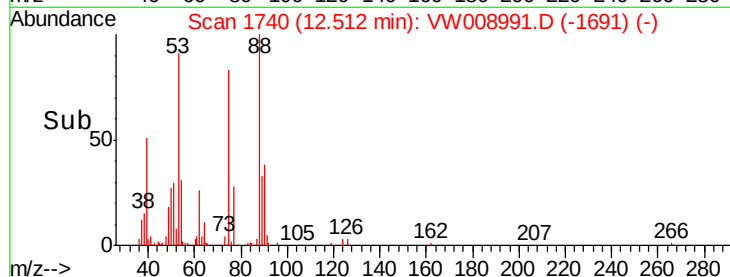
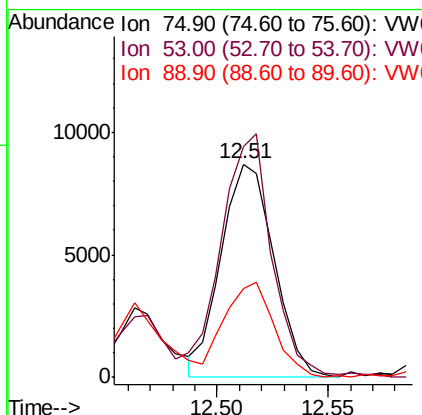
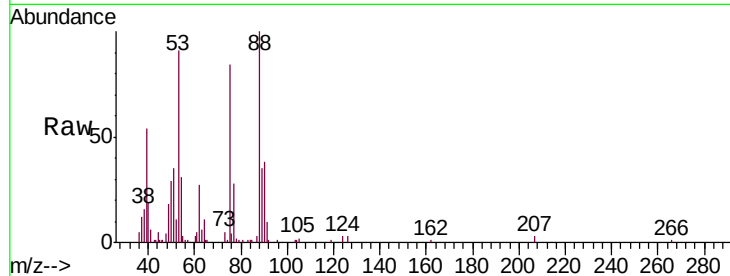
#81
trans-1,4-Dichloro-2-butene
Concen: 20.157 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	111.5	88.2	132.2
89	41.5	39.5	59.3

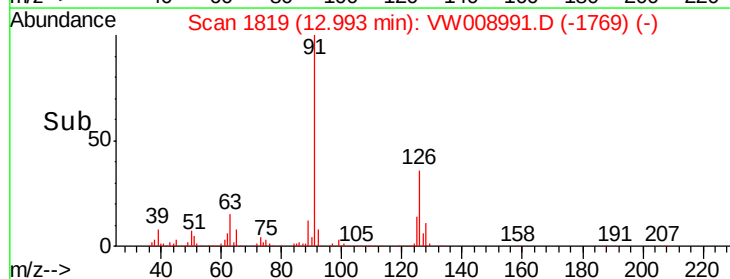
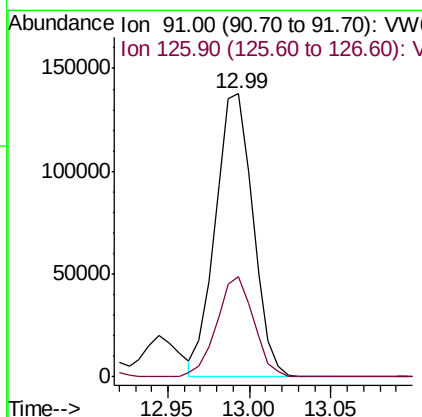
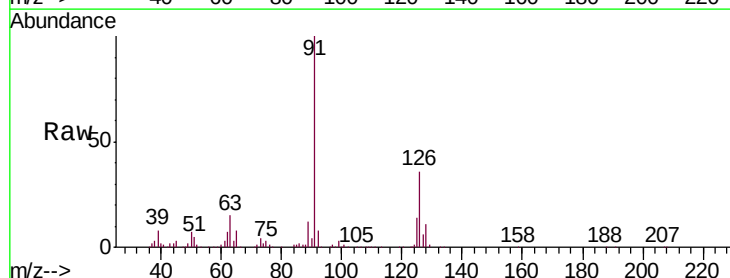
Manual Integrations
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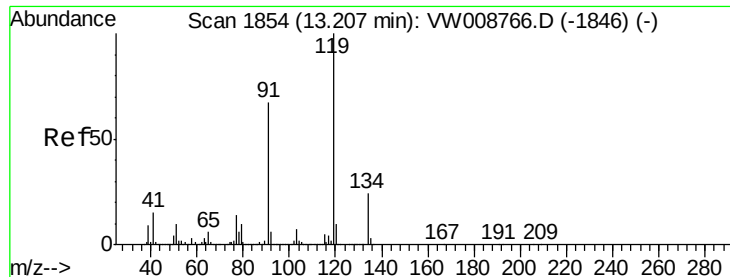
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.955 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.2	51.6





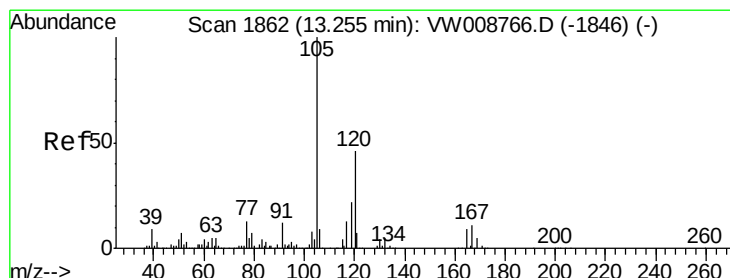
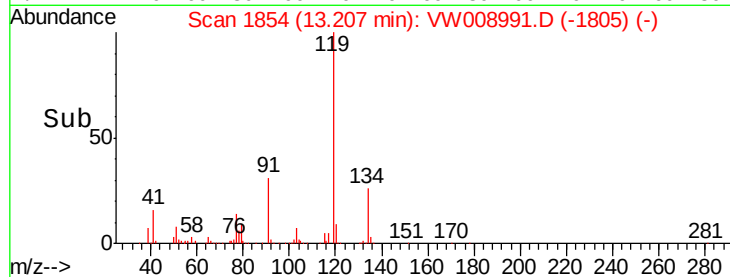
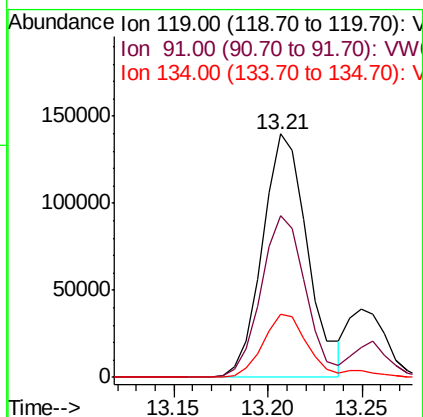
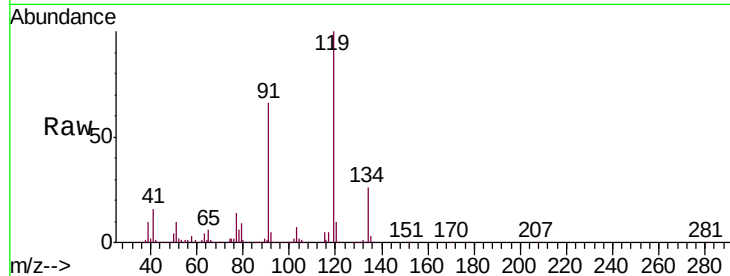
#83
 tert-Butylbenzene
 Concen: 21.587 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.6	100.8
134	27.1	13.7	41.1

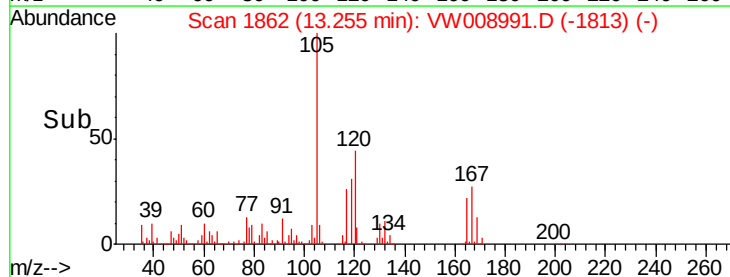
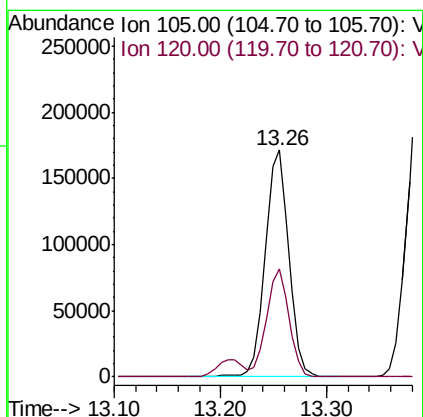
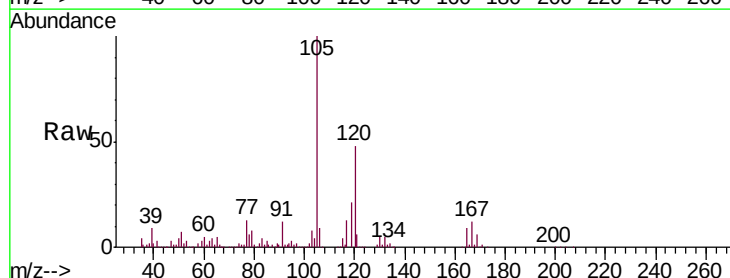
Manual Integrations
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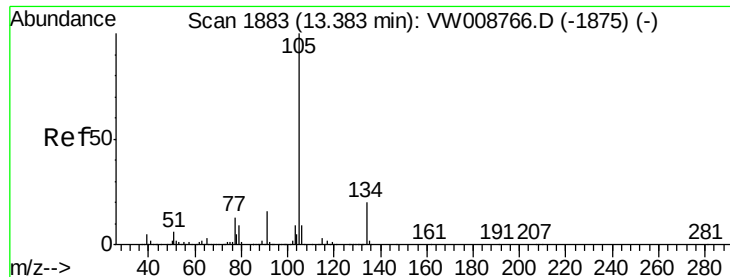
MMDadoda
 3/8/2019 10:54:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.588 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





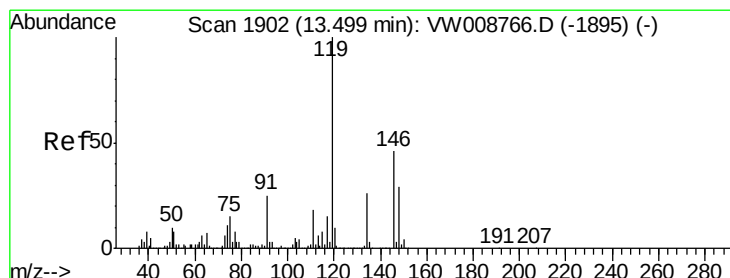
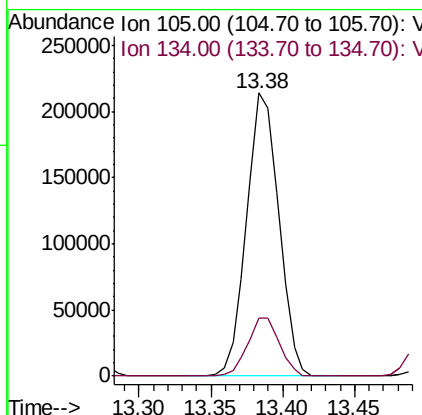
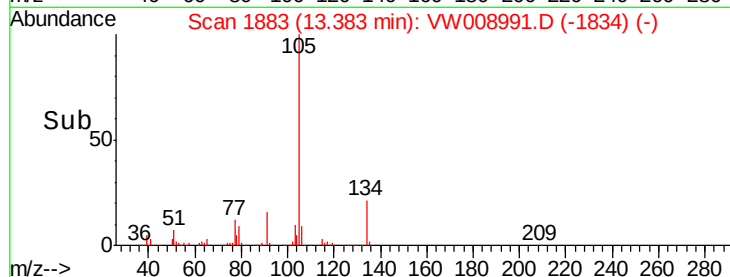
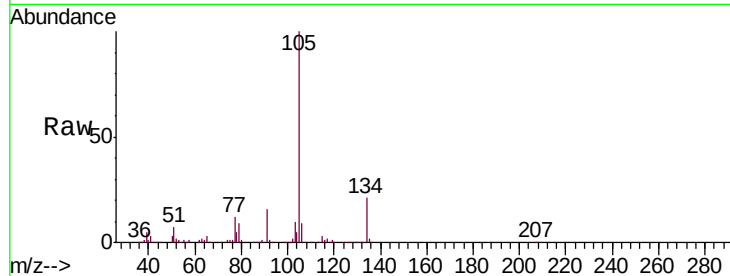
#85
 sec-Butylbenzene
 Concen: 21.296 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.4	31.1

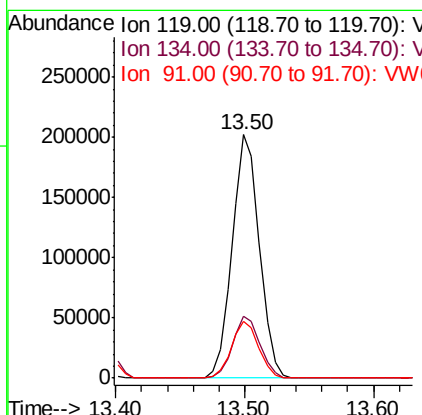
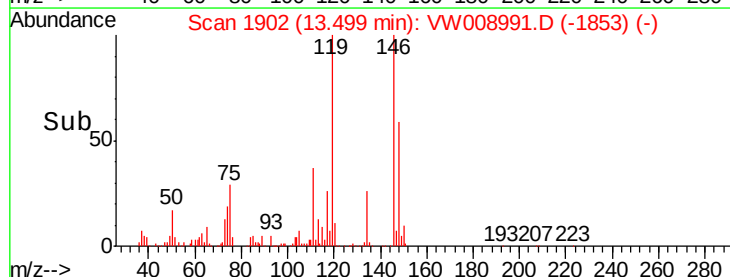
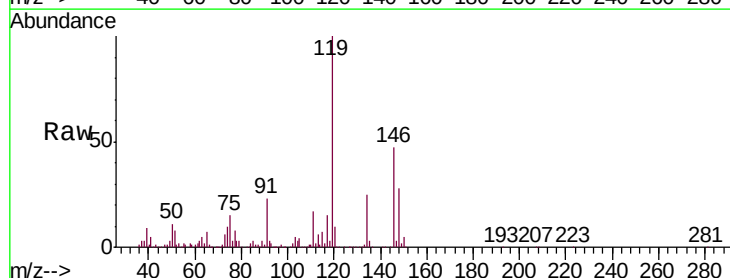
Manual Integrations
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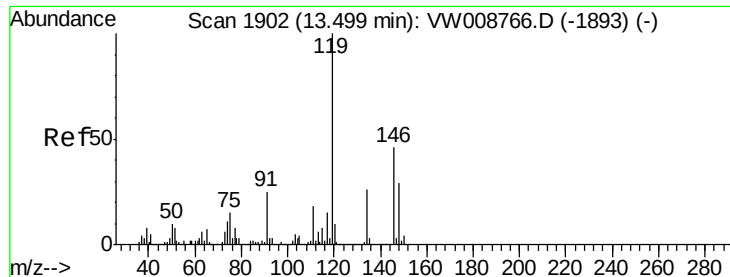
MMDadoda
 3/8/2019 10:54:16 AM



#86
 p-Isopropyltoluene
 Concen: 20.784 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.3
91	23.5	12.1	36.3





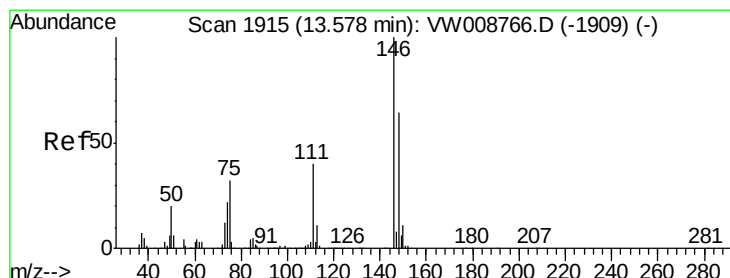
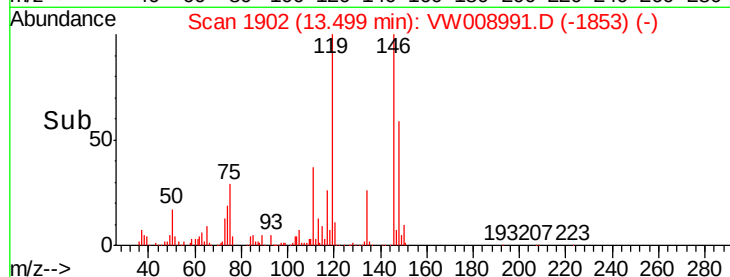
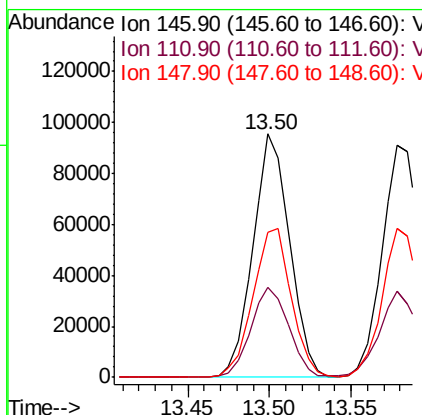
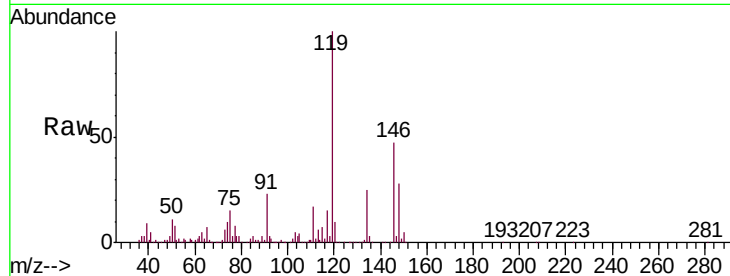
#87
 1,3-Dichlorobenzene
 Concen: 21.169 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.9	59.7
148	63.7	31.6	94.8

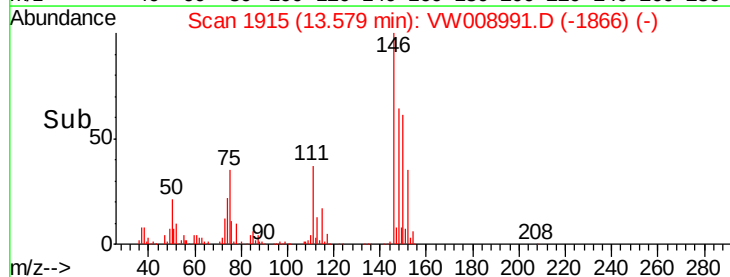
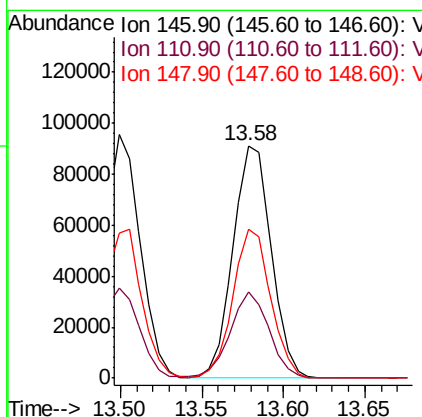
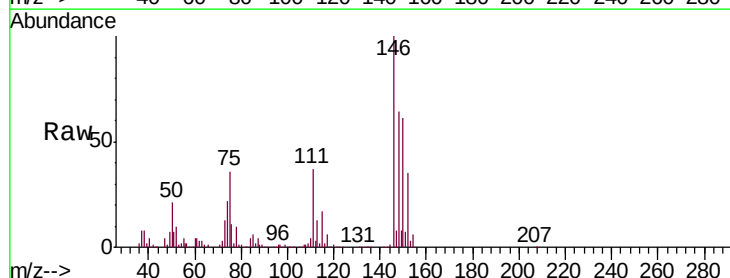
Manual Integrations
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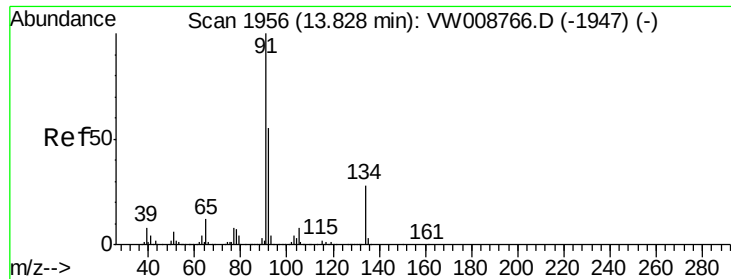
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#88
 1,4-Dichlorobenzene
 Concen: 21.457 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.9
148	63.4	31.9	95.9





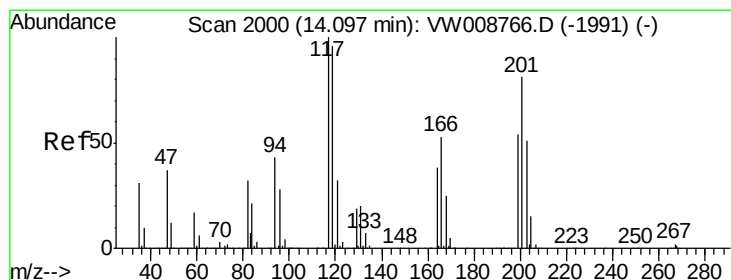
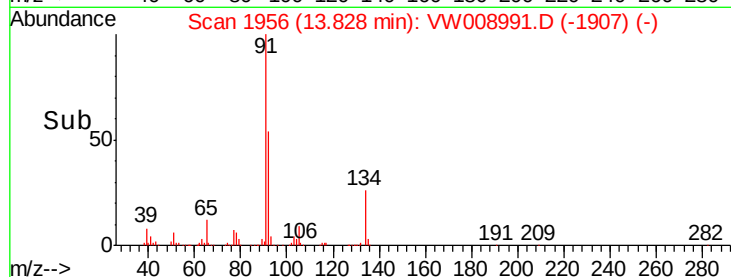
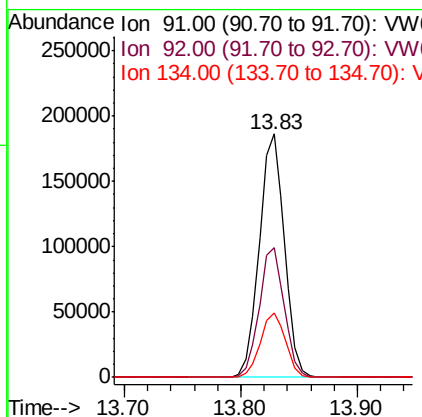
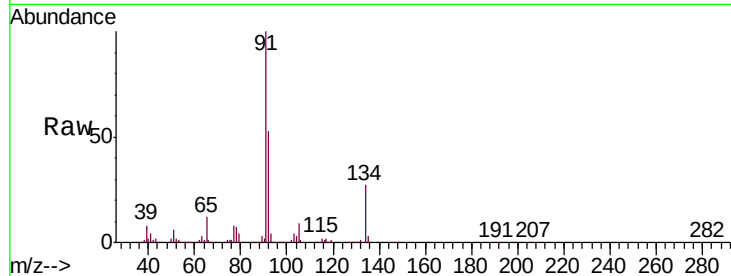
#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.4
134	26.6	13.5	40.4

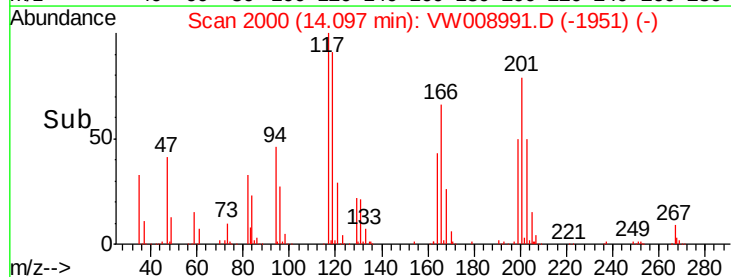
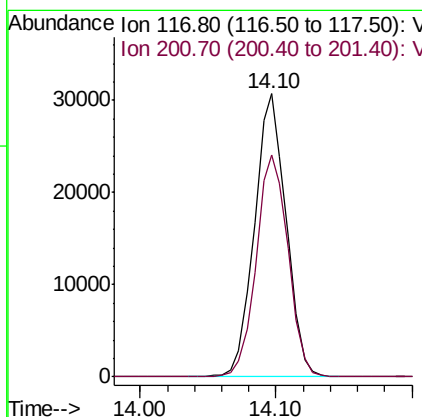
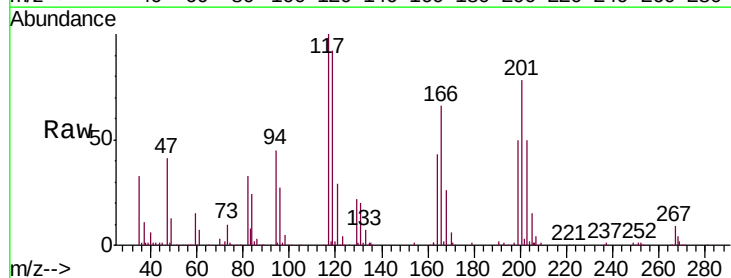
Manual Integrations
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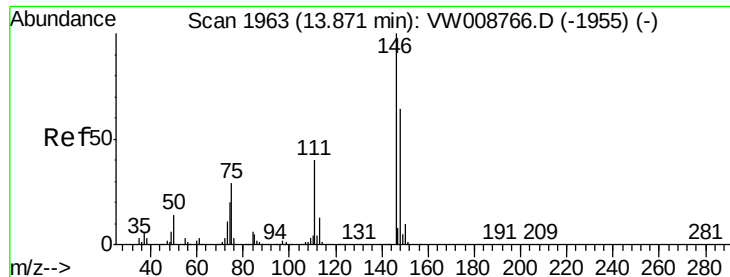
MMDadoda
3/8/2019 10:54:16 AM



#90
Hexachloroethane
Concen: 21.506 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	40.3	120.8





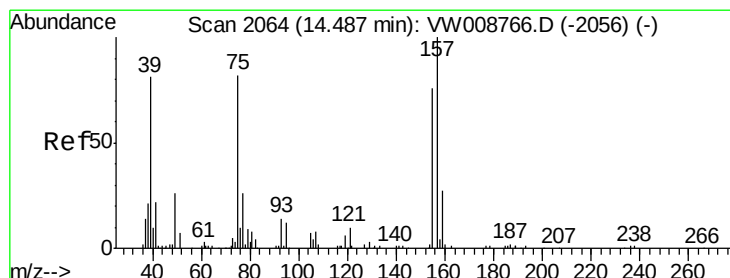
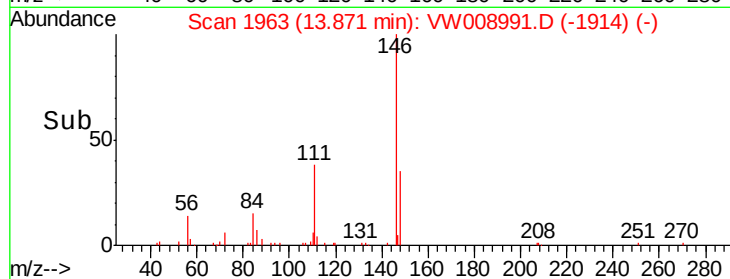
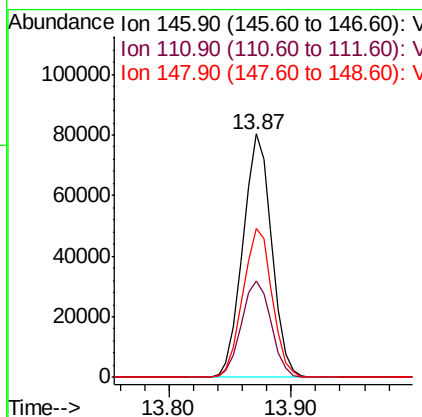
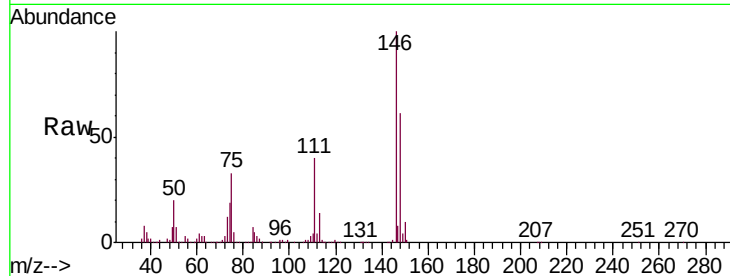
#91
 1,2-Dichlorobenzene
 Concen: 20.853 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	62.2	32.5	97.5

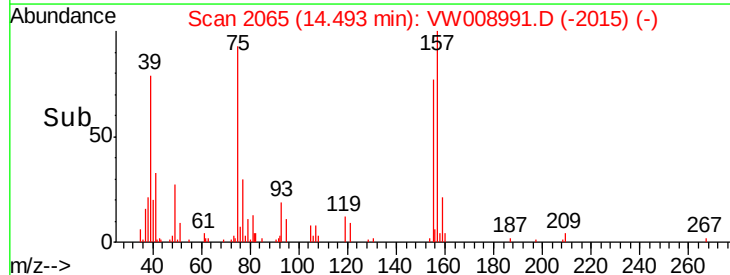
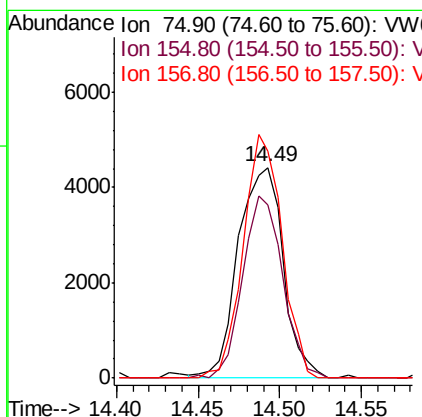
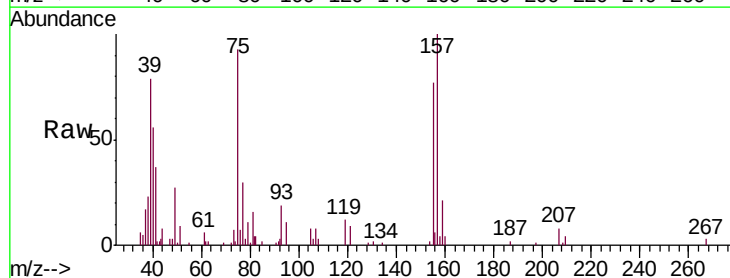
Manual Integrations
 APPROVED

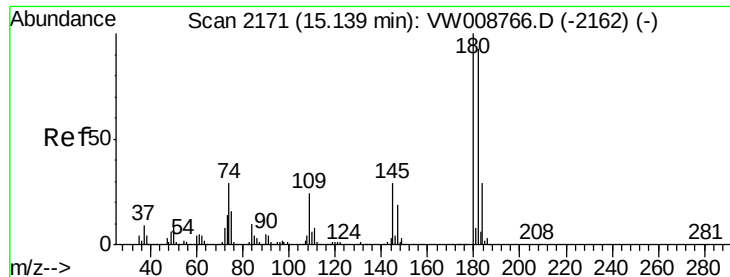
MMDadoda
 3/8/2019 10:54:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.950 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008991.D
 Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	41.8	125.4
157	99.9	56.6	169.9





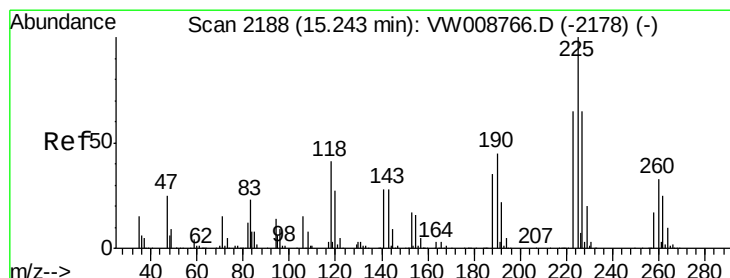
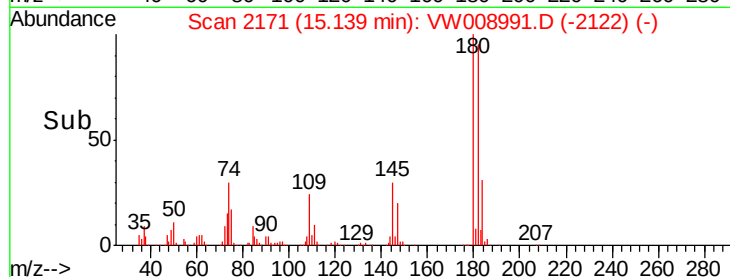
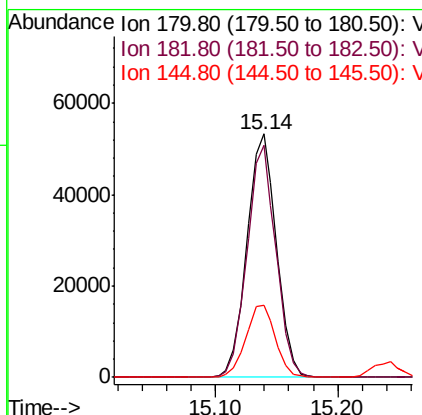
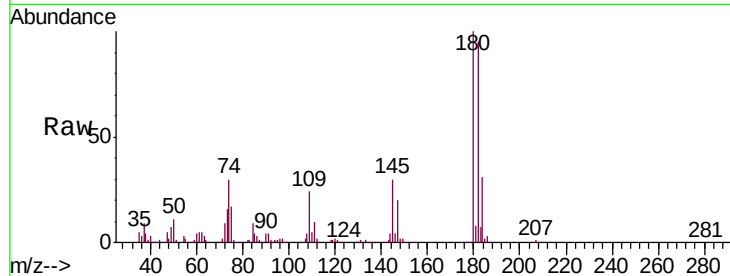
#93
1,2,4-Trichlorobenzene
Concen: 19.718 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89287		
182	92.9	47.2	141.6	
145	29.9	14.4	43.0	

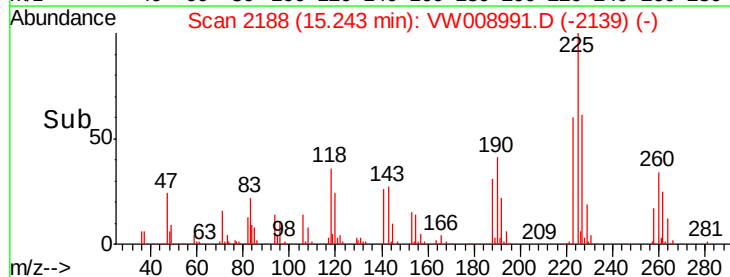
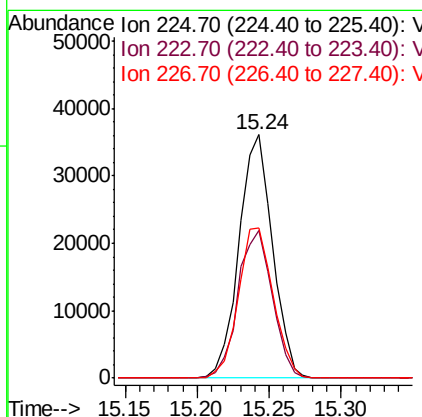
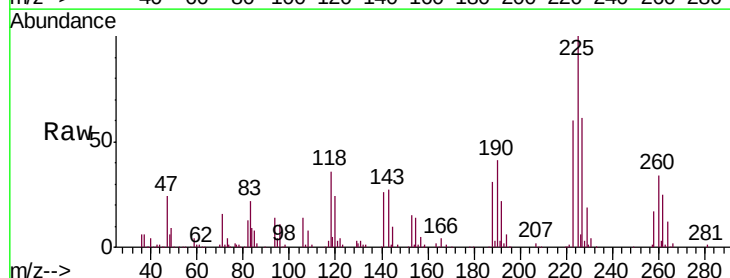
Manual Integrations
APPROVED

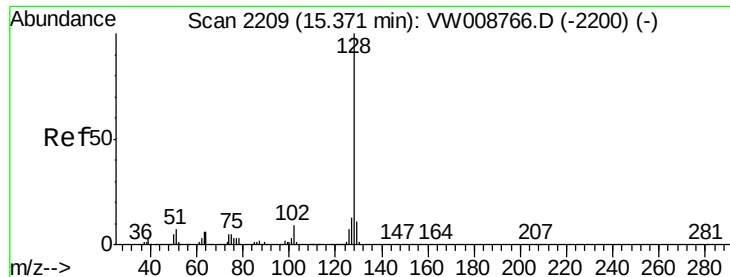
MMDadoda
3/8/2019 10:54:16 AM



#94
Hexachlorobutadiene
Concen: 21.863 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008991.D
Acq: 05 Mar 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58314		
223	61.8	31.5	94.5	
227	64.1	31.6	94.8	





#95

Naphthalene

Concen: 18.449 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Instrument :

MSVOA_W

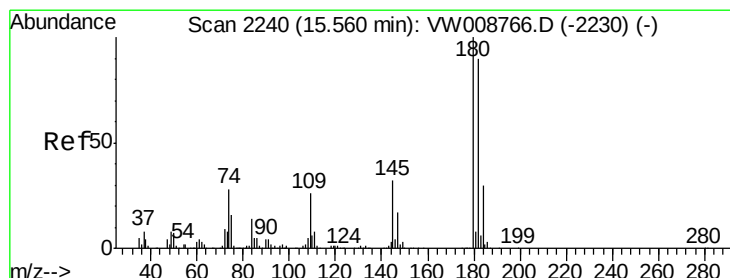
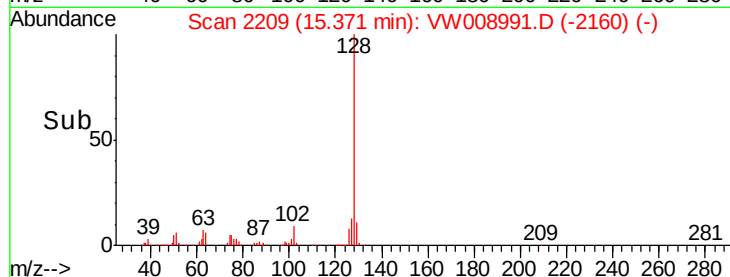
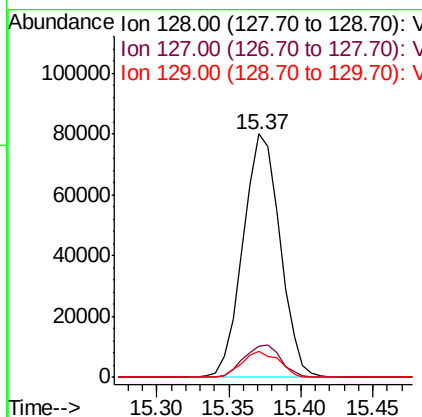
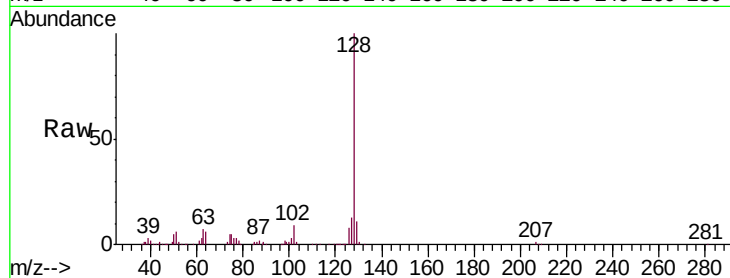
ClientSampleId :

VW0305SBS02

Tgt Ion:	128	Resp:	142233
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.8	16.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 10:54:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.688 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW008991.D

Acq: 05 Mar 2019 12:44

Tgt Ion:	180	Resp:	77082
Ion Ratio	Lower	Upper	
180	100		
182	96.8	46.9	140.8
145	33.0	15.9	47.6

