

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008676.D
 Acq On : 15 Feb 2019 11:30
 Operator : SY/VA
 Sample : VW0215SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 2:34:30 PM

Quant Time: Feb 16 00:53:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	403957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	595322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	521010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	270395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	196703	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	7.88	113	188903	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.32	98	732896	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	262240	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52351	20.234	ug/l	98
3) Chloromethane	2.21	50	66502	17.830	ug/l	94
4) Vinyl Chloride	2.36	62	91597	18.696	ug/l	98
5) Bromomethane	2.77	94	72620	18.732	ug/l	94
6) Chloroethane	2.92	64	69688	19.116	ug/l	98
7) Trichlorofluoromethane	3.24	101	67955	17.808	ug/l	97
8) Diethyl Ether	3.67	74	39581	17.382	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	83364	20.673	ug/l #	87
10) Methyl Iodide	4.25	142	126585	20.112	ug/l	99
11) Tert butyl alcohol	5.17	59	24086	71.682	ug/l	95
12) 1,1-Dichloroethene	4.03	96	76924	19.506	ug/l	97
13) Acrolein	3.89	56	27251	78.716	ug/l	99
14) Allyl chloride	4.65	41	126310	19.278	ug/l	98
15) Acrylonitrile	5.36	53	79349	82.787	ug/l	98
16) Acetone	4.12	43	77370	80.959	ug/l	99
17) Carbon Disulfide	4.37	76	235472	19.786	ug/l	99
18) Methyl Acetate	4.67	43	33839	15.496	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	122103	17.637	ug/l	93
20) Methylene Chloride	4.91	84	84149	14.908	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	87772	20.323	ug/l	98
22) Diisopropyl ether	6.31	45	244057	18.507	ug/l	100
23) Vinyl Acetate	6.25	43	716354	83.698	ug/l	99
24) 1,1-Dichloroethane	6.20	63	148472	19.511	ug/l	99
25) 2-Butanone	7.17	43	103264	76.523	ug/l	95
26) 2,2-Dichloropropane	7.15	77	99007	20.827	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	89904	19.251	ug/l	99
28) Bromochloromethane	7.51	49	57902	18.025	ug/l	98
29) Tetrahydrofuran	7.52	42	66888	75.202	ug/l	97
30) Chloroform	7.67	83	147257	19.313	ug/l	97
31) Cyclohexane	7.95	56	149029	19.403	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	130424	20.253	ug/l	99
36) 1,1-Dichloropropene	8.07	75	122782	20.528	ug/l	99
37) Ethyl Acetate	7.25	43	43367	15.031	ug/l	97
38) Carbon Tetrachloride	8.06	117	126242	21.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	155615	20.570	ug/l	99
40) Benzene	8.32	78	332133	20.333	ug/l	100
41) Methacrylonitrile	7.48	41	28917	17.814	ug/l	98
42) 1,2-Dichloroethane	8.40	62	95208	18.791	ug/l	98
43) Isopropyl Acetate	8.42	43	93283	16.215	ug/l	96
44) Trichloroethene	9.09	130	94277	20.816	ug/l	95
45) 1,2-Dichloropropane	9.37	63	79026	19.548	ug/l	99
46) Dibromomethane	9.45	93	41821	18.780	ug/l	96
47) Bromodichloromethane	9.64	83	104883	19.597	ug/l	97
48) Methyl methacrylate	9.43	41	42878	16.082	ug/l	96
49) 1,4-Dioxane	9.45	88	12846	361.384	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	231865	78.458	ug/l	99
52) Toluene	10.38	92	213059	20.218	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	103034	18.326	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	121718	19.097	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	55932	18.305	ug/l	98
56) Ethyl methacrylate	10.65	69	65664	16.184	ug/l	99
57) 1,3-Dichloropropane	10.93	76	99229	18.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	185695	95.406	ug/l	99
59) 2-Hexanone	10.97	43	161220	77.656	ug/l	99
60) Dibromochloromethane	11.13	129	67447	18.448	ug/l	99
61) 1,2-Dibromoethane	11.23	107	53870	17.906	ug/l	99
64) Tetrachloroethene	10.86	164	80076	20.668	ug/l	96
65) Chlorobenzene	11.66	112	229546	20.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	78515	19.737	ug/l	98
67) Ethyl Benzene	11.73	91	414882	20.741	ug/l	98
68) m/p-Xylenes	11.84	106	322120	41.387	ug/l	97
69) o-Xylene	12.16	106	147816	20.092	ug/l	100
70) Styrene	12.18	104	235201	19.573	ug/l	98
71) Bromoform	12.35	173	38957	18.175	ug/l #	97
73) Isopropylbenzene	12.46	105	418880	20.797	ug/l	100
74) N-amyl acetate	12.27	43	86131	15.814	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	61383	17.516	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	52653m	19.720	ug/l	
77) Bromobenzene	12.75	156	93627	20.222	ug/l	97
78) n-propylbenzene	12.80	91	501219	20.944	ug/l	99
79) 2-Chlorotoluene	12.90	91	278515	20.592	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	345818	20.671	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17966	16.608	ug/l	97
82) 4-Chlorotoluene	12.99	91	287477	20.056	ug/l	97
83) tert-Butylbenzene	13.21	119	303465	20.890	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	351353	20.434	ug/l	100
85) sec-Butylbenzene	13.38	105	445733	21.073	ug/l	99
86) p-Isopropyltoluene	13.50	119	394539	20.851	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	189435	20.184	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	188010	20.326	ug/l	98
89) n-Butylbenzene	13.83	91	372262	20.703	ug/l	98
90) Hexachloroethane	14.10	117	68508	20.723	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	164969	19.839	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10086	16.563	ug/l	96

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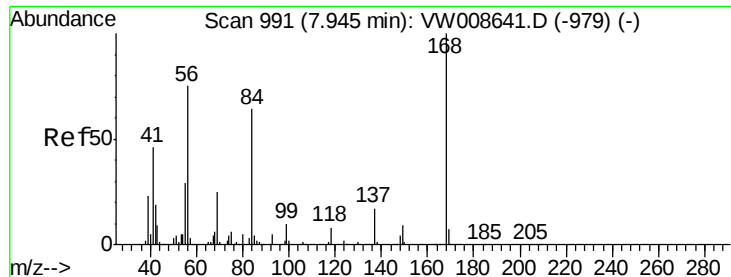
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	119693	20.221	ug/l	99
94) Hexachlorobutadiene	15.24	225	77597	22.521	ug/l	99
95) Naphthalene	15.37	128	187523	17.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	101397	19.962	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion:168 Resp: 403957

Ion Ratio Lower Upper

168 100

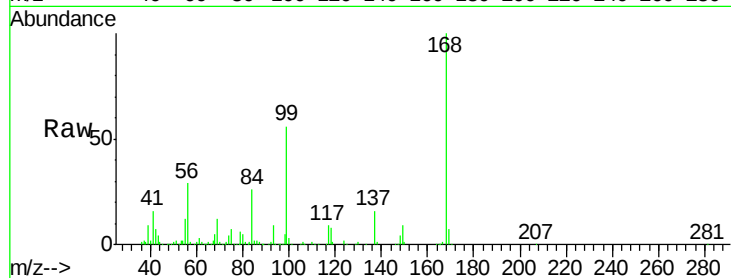
99 56.1 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

200000

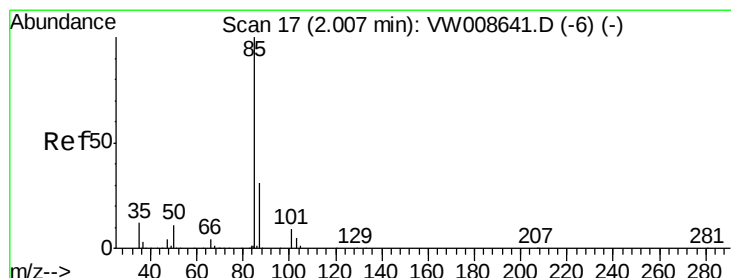
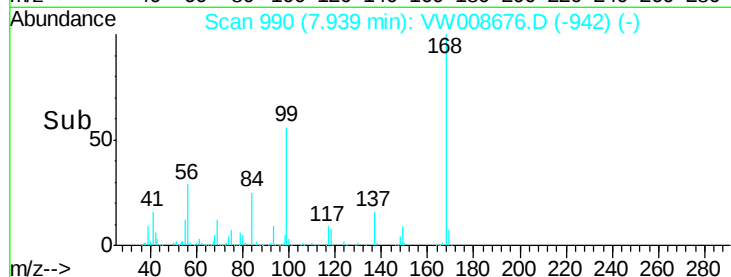
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.234 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW008676.D

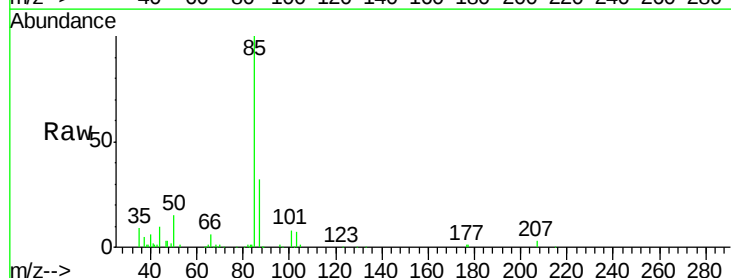
Acq: 15 Feb 2019 11:30

Tgt Ion: 85 Resp: 52351

Ion Ratio Lower Upper

85 100

87 32.1 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

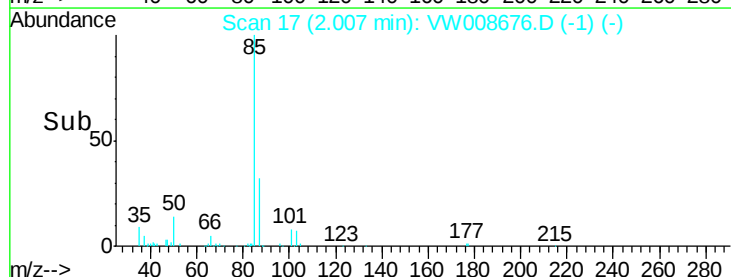
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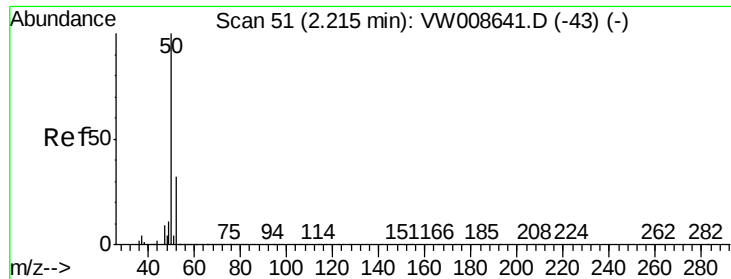
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 17.830 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 50 Resp: 66502

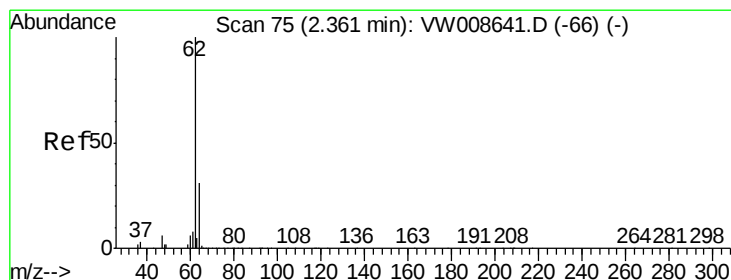
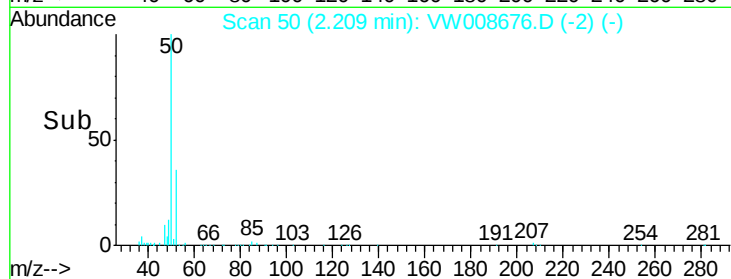
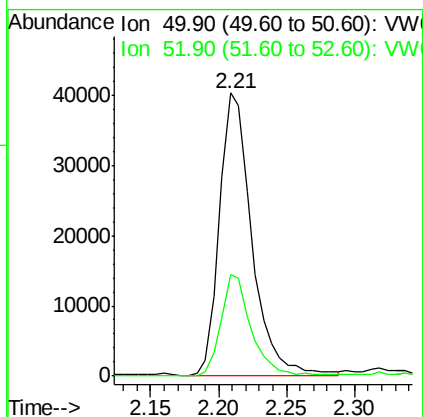
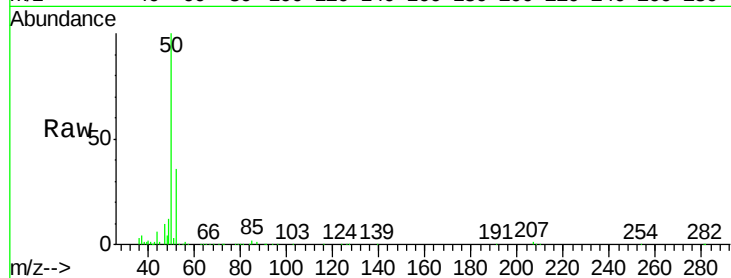
Ion Ratio Lower Upper

50 100

52 35.8 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.696 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW008676.D

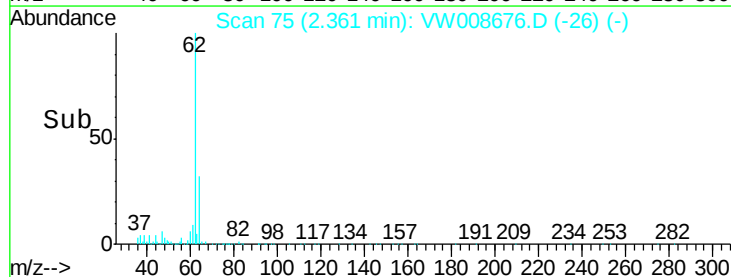
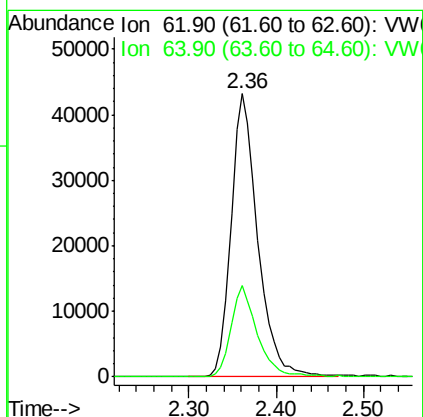
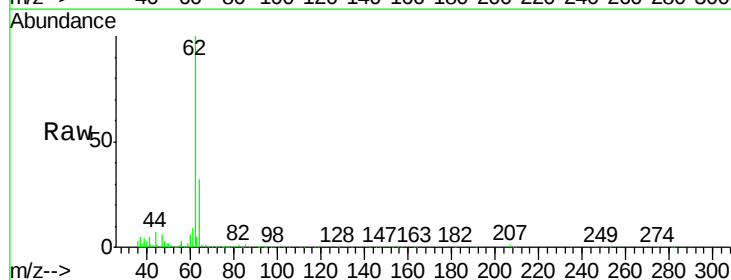
Acq: 15 Feb 2019 11:30

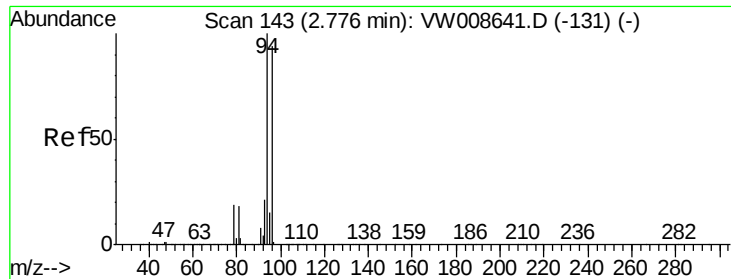
Tgt Ion: 62 Resp: 91597

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 18.732 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

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VW0215SBS01

Tot Ion: 94 Resp: 72620

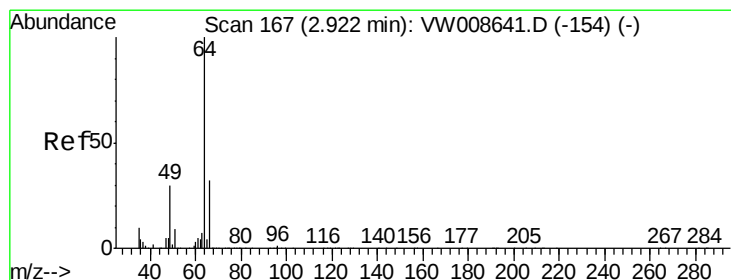
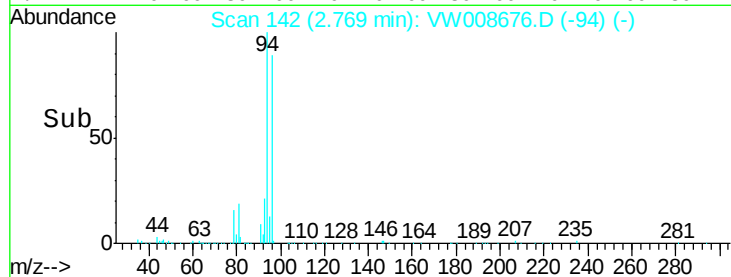
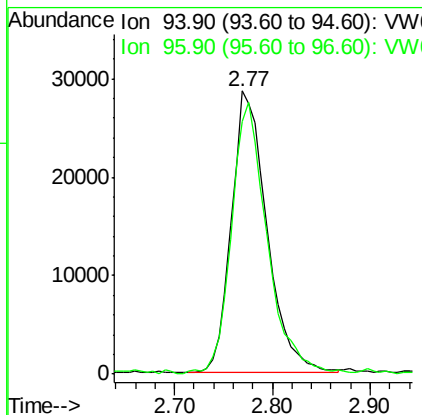
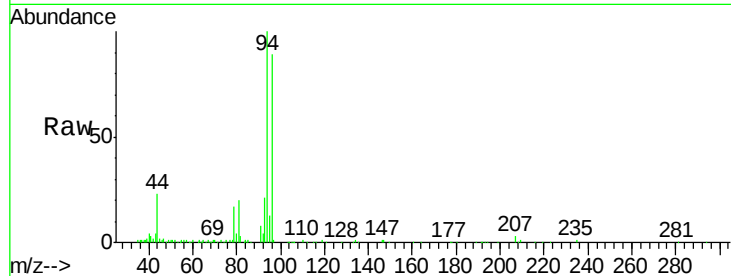
Ion Ratio Lower Upper

94 100

96 88.5 75.5 113.3

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#6

Chloroethane

Concen: 19.116 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008676.D

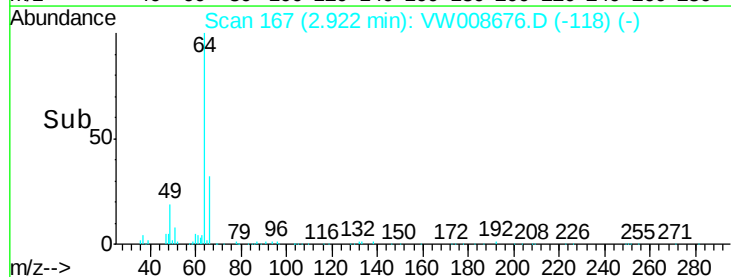
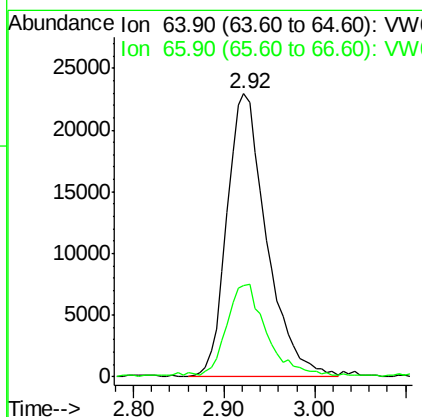
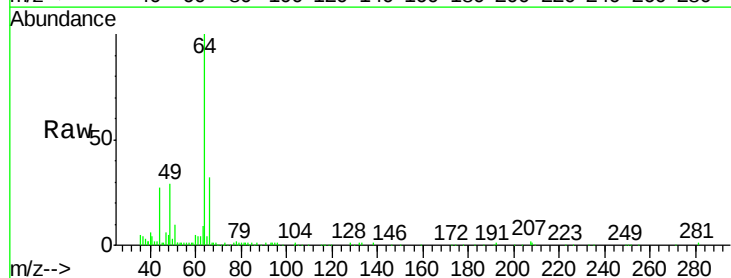
Acq: 15 Feb 2019 11:30

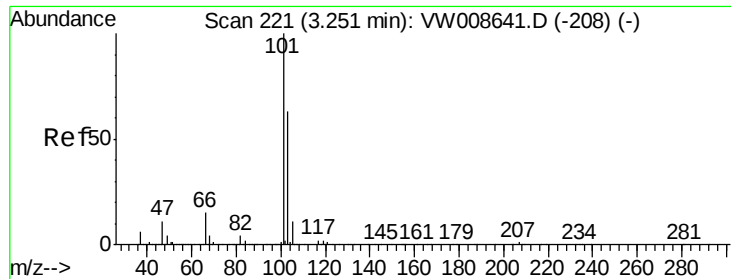
Tgt Ion: 64 Resp: 69688

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.4





#7

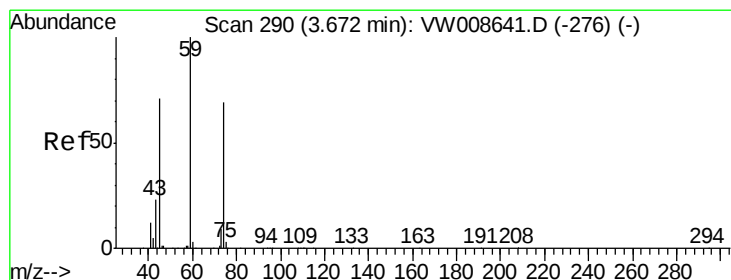
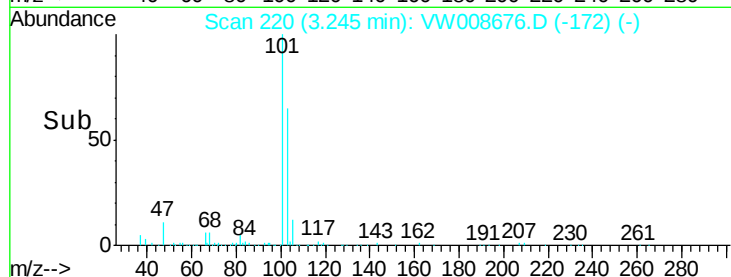
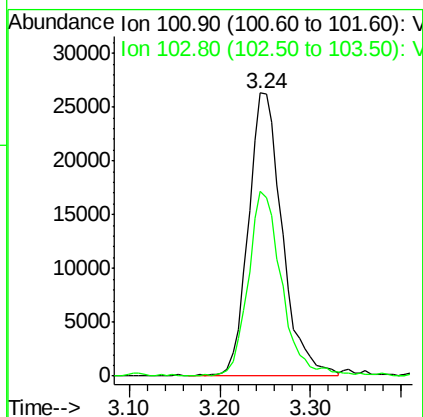
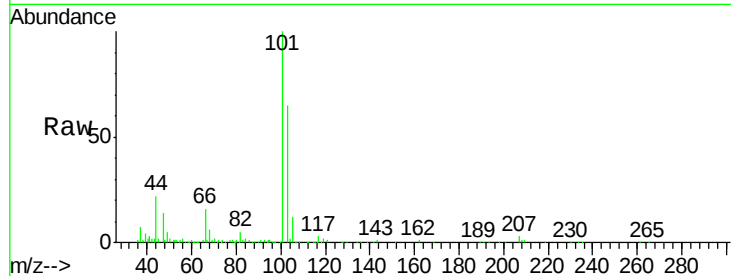
Trichlorofluoromethane
Concen: 17.808 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

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ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.5	75.7

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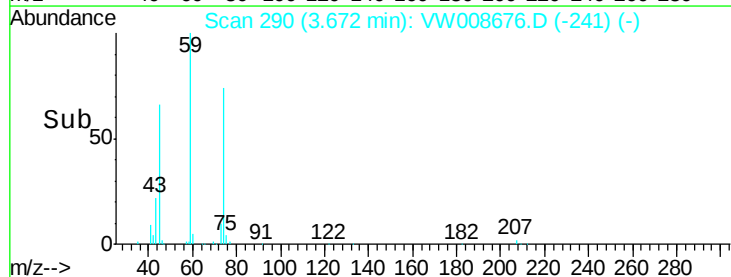
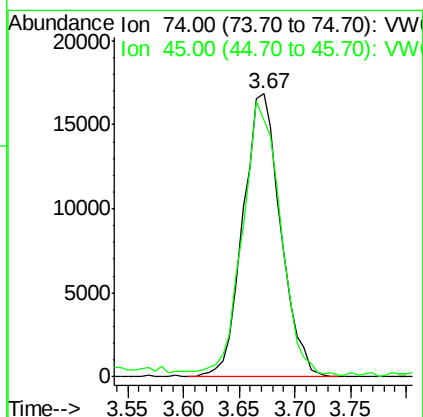
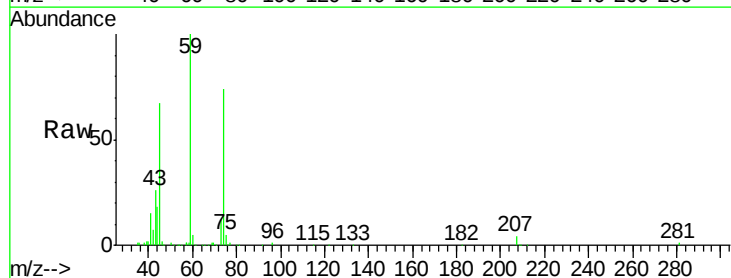
MMDadoda
2/18/2019 2:34:30 PM

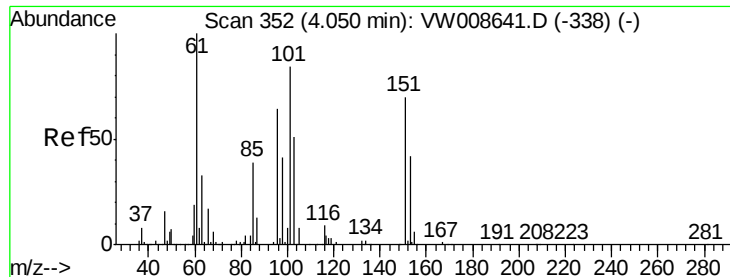


#8

Diethyl Ether
Concen: 17.382 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.673 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

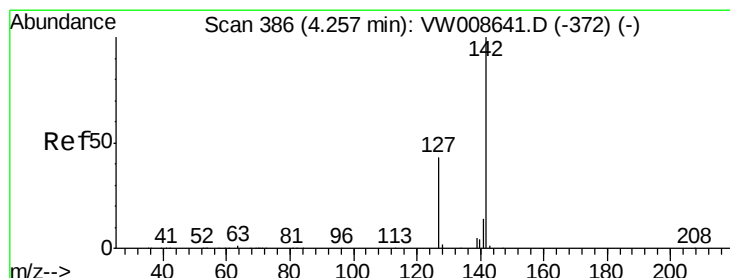
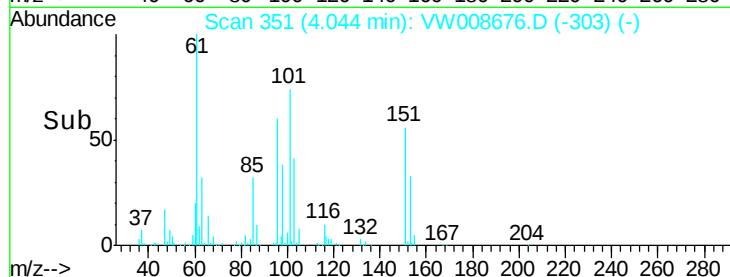
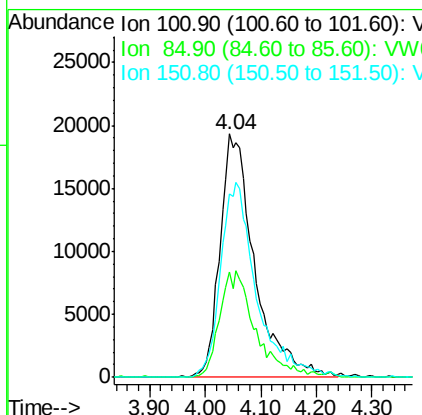
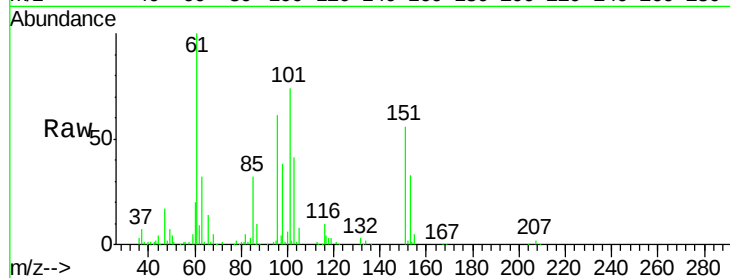
ClientSampleId :

VW0215SBS01

Tot Ion:	101	Resp:	83364
Ion Ratio	Lower	Upper	
101	100		
85	18.2	34.3	51.5#
151	82.0	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.112 ug/l

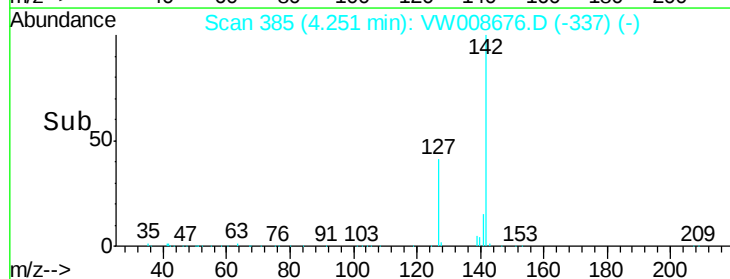
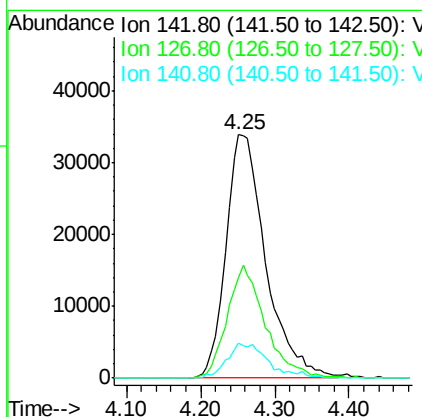
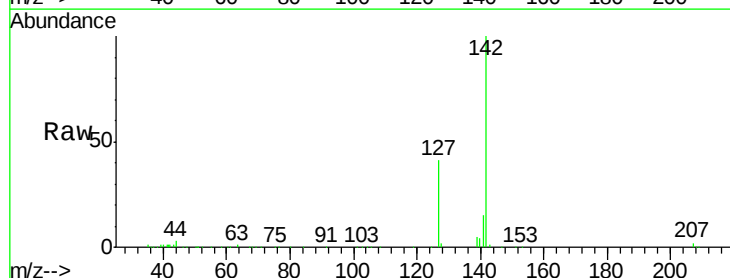
RT: 4.25 min Scan# 385

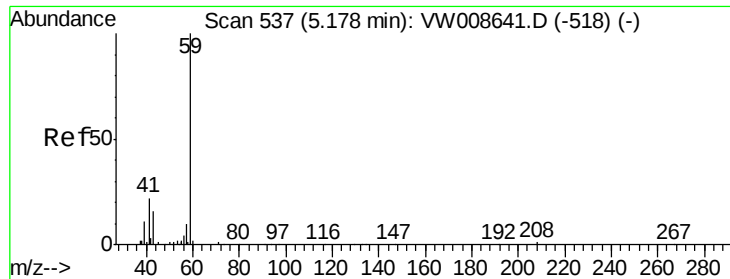
Delta R.T. -0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion:	142	Resp:	126585
Ion Ratio	Lower	Upper	
142	100		
127	44.5	34.8	52.2
141	14.8	11.8	17.8





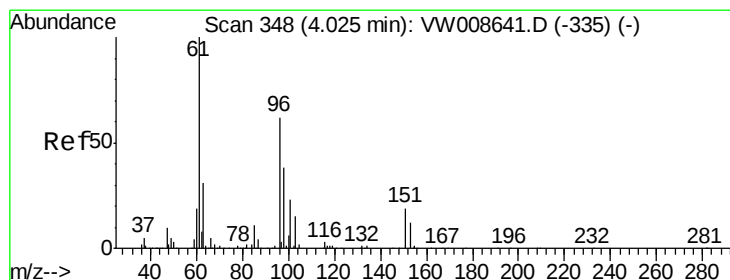
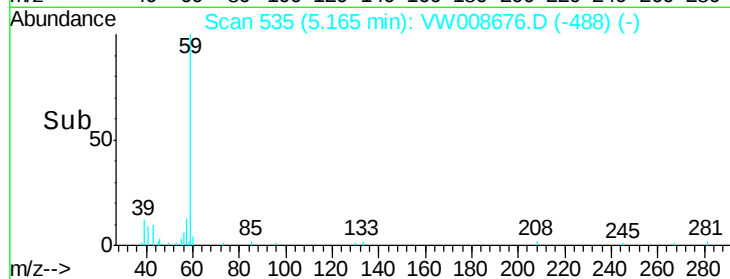
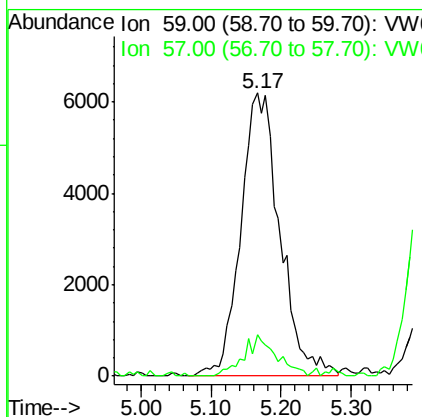
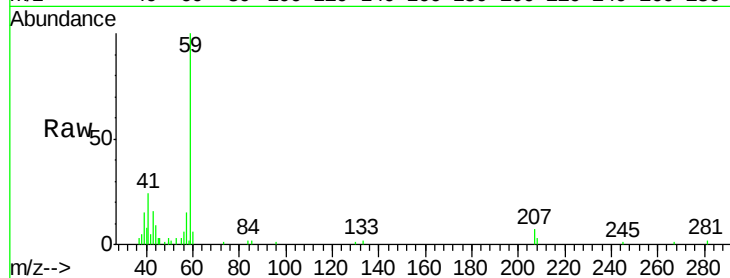
#11
Tert butyl alcohol
Concen: 71.682 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.2	8.3	12.5

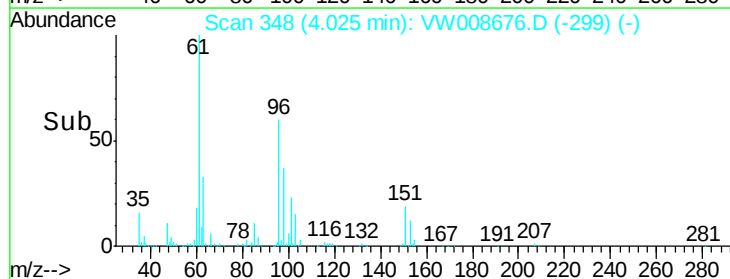
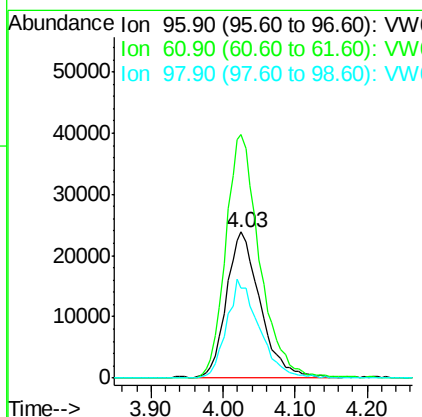
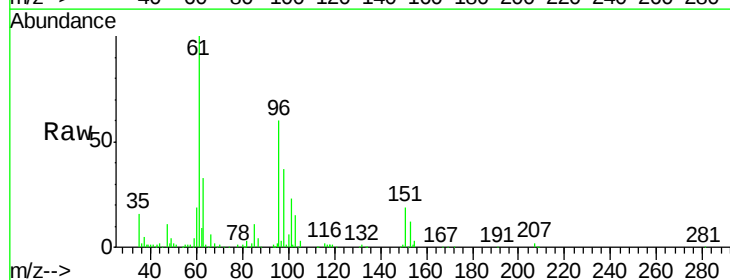
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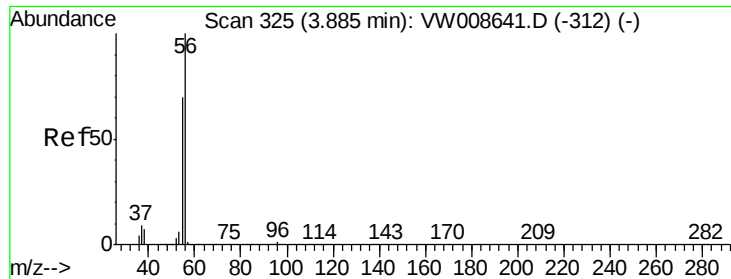
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.506 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	129.8	194.6
98	61.7	49.3	73.9





#13

Acrolein

Concen: 78.716 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 56 Resp: 27251

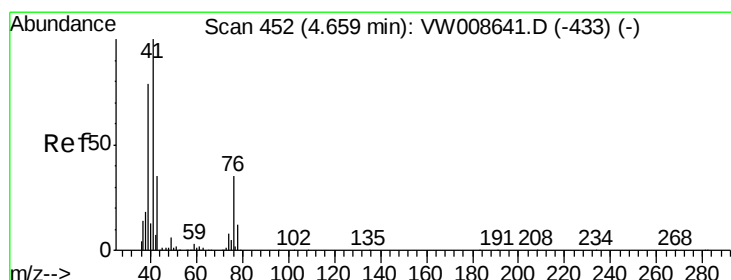
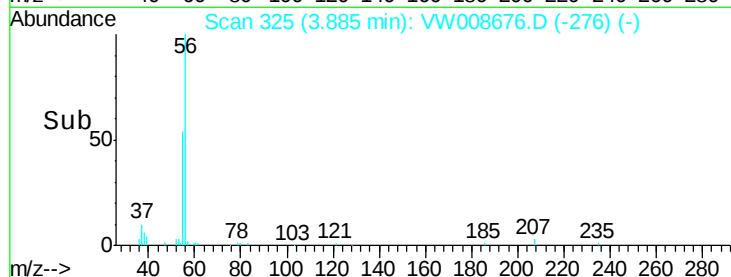
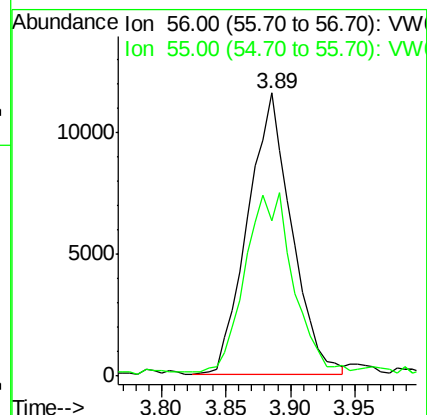
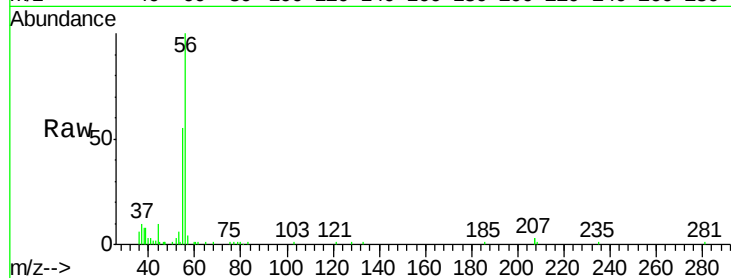
Ion Ratio Lower Upper

56 100

55 71.0 57.4 86.2

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#14

Allyl chloride

Concen: 19.278 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

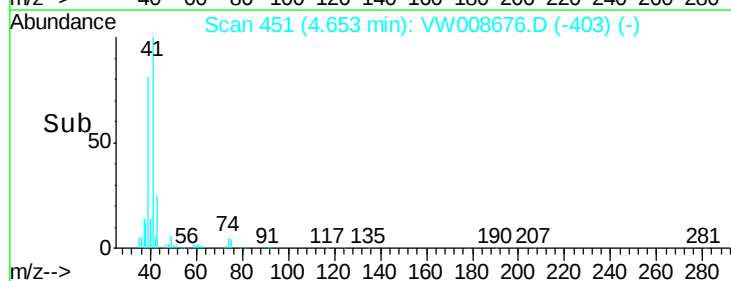
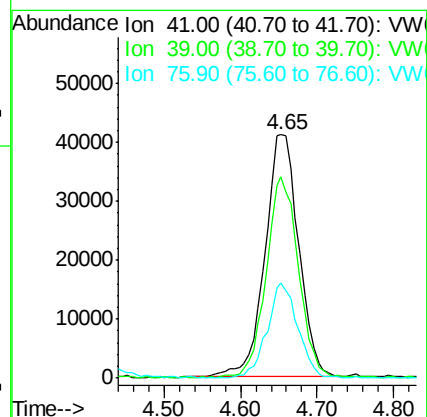
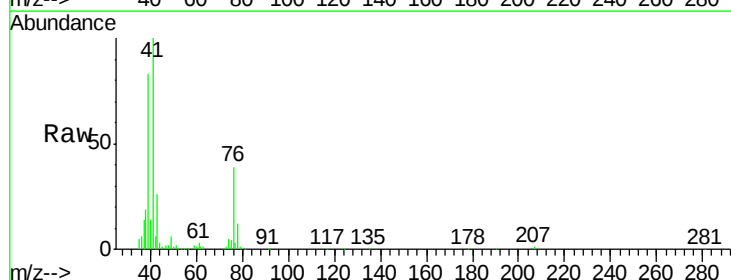
Tgt Ion: 41 Resp: 126310

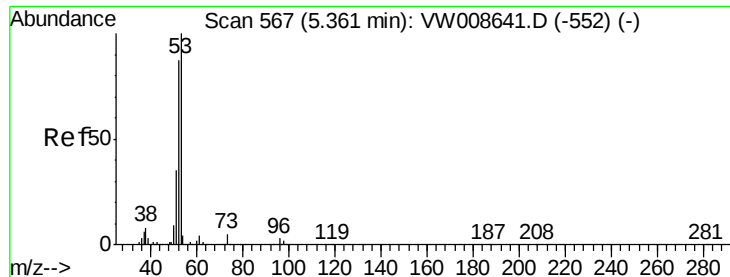
Ion Ratio Lower Upper

41 100

39 79.6 61.7 92.5

76 35.0 27.7 41.5





#15

Acrylonitrile

Concen: 82.787 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

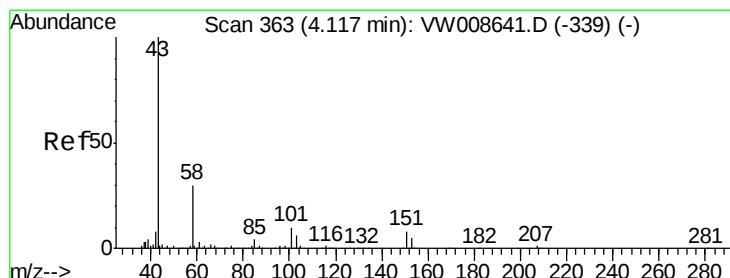
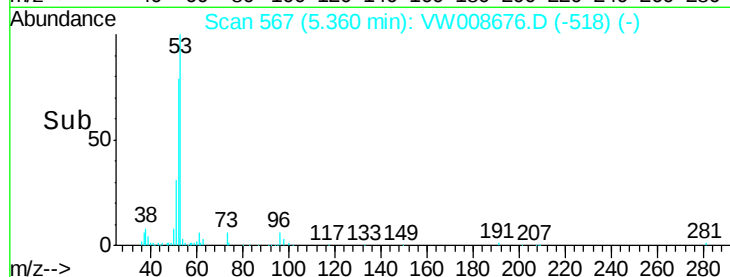
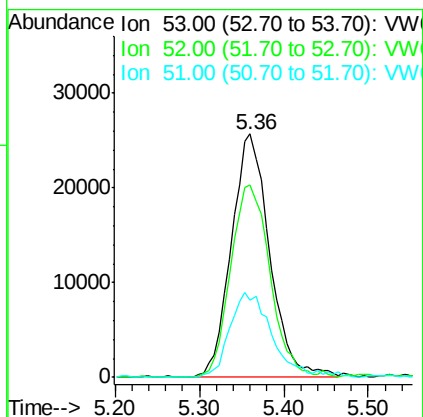
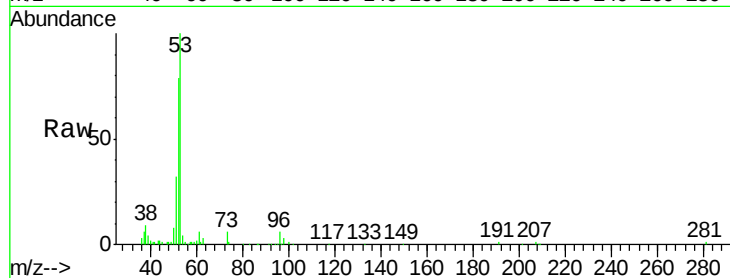
ClientSampleId :

VW0215SBS01

Tot Ion:	53	Resp:	79349
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.8	100.2
51	37.6	29.4	44.0

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#16

Acetone

Concen: 80.959 ug/l

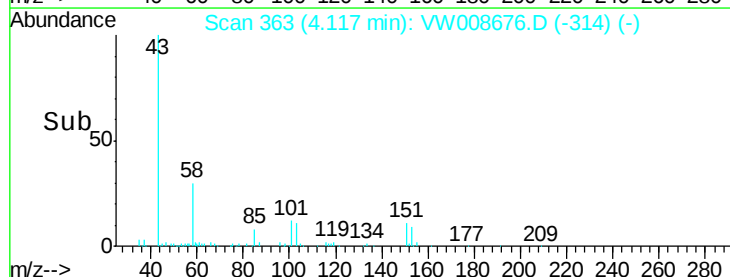
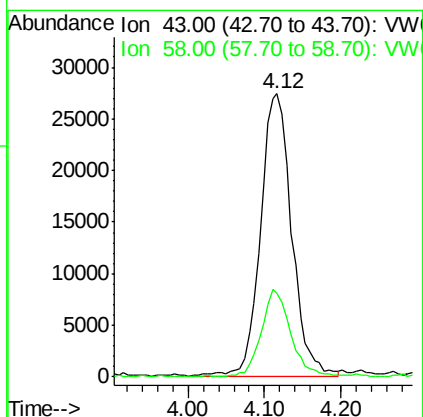
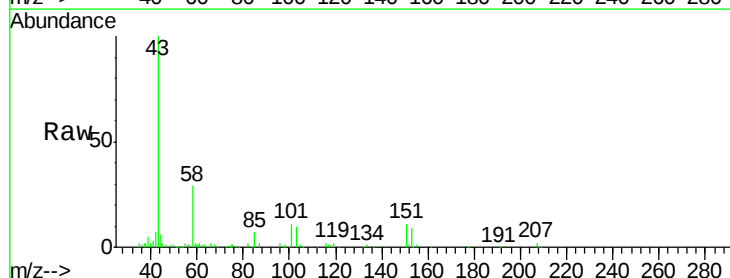
RT: 4.12 min Scan# 363

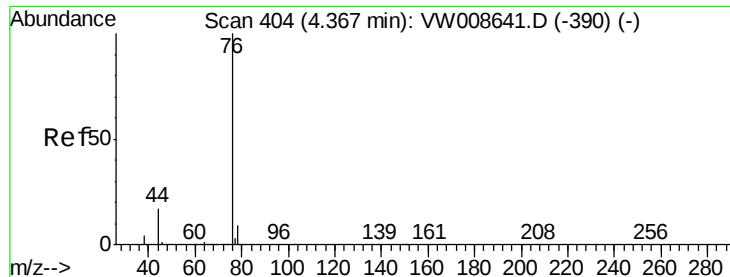
Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion:	43	Resp:	77370
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.1	36.1





#17

Carbon Disulfide

Concen: 19.786 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 76 Resp: 235472

Ion Ratio Lower Upper

76 100

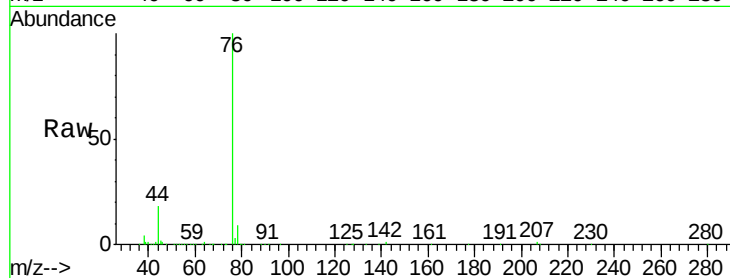
78 9.2 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

80000

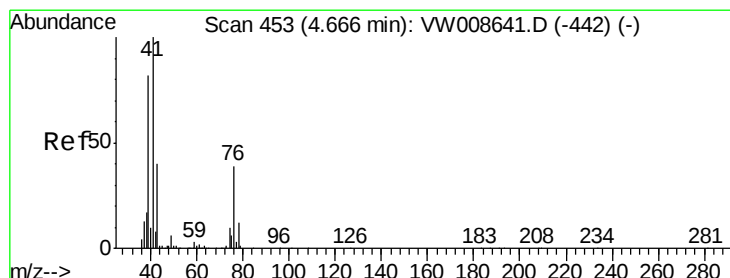
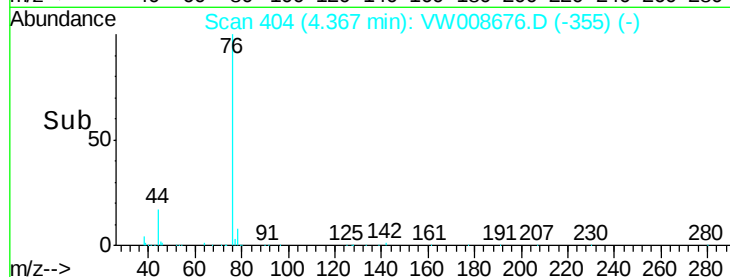
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 15.496 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008676.D

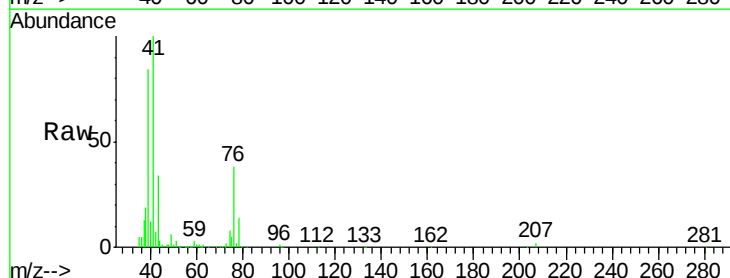
Acq: 15 Feb 2019 11:30

Tgt Ion: 43 Resp: 33839

Ion Ratio Lower Upper

43 100

74 25.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

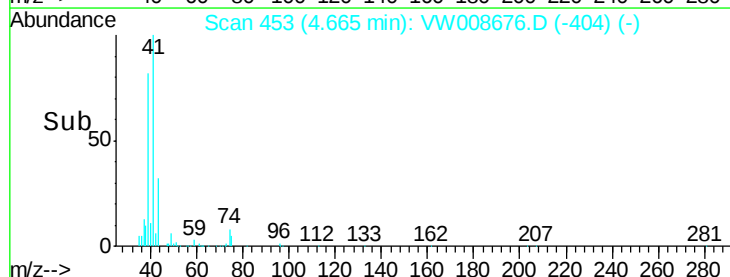
4.67

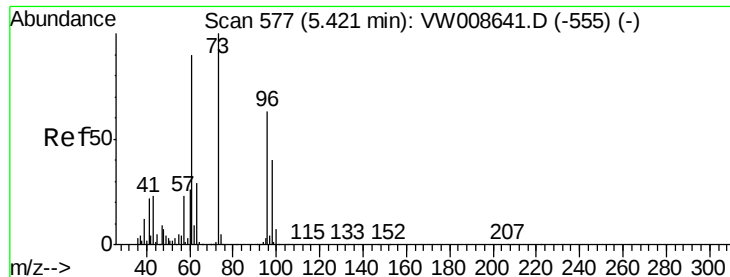
10000

5000

0

Time-->





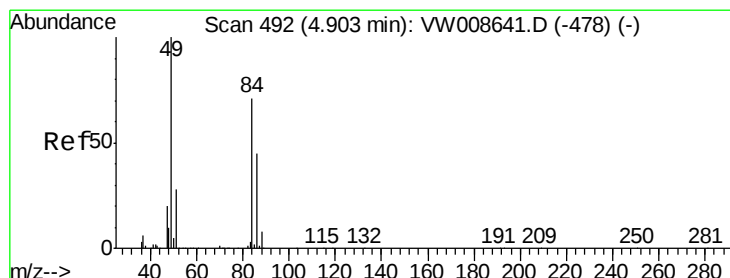
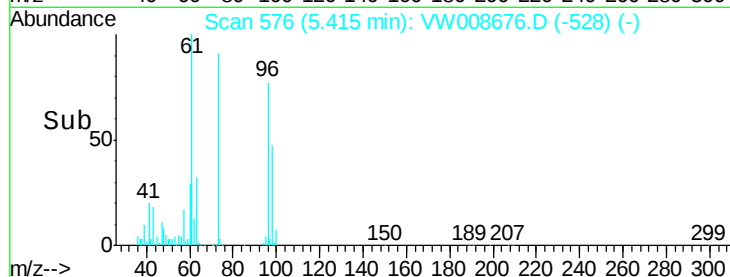
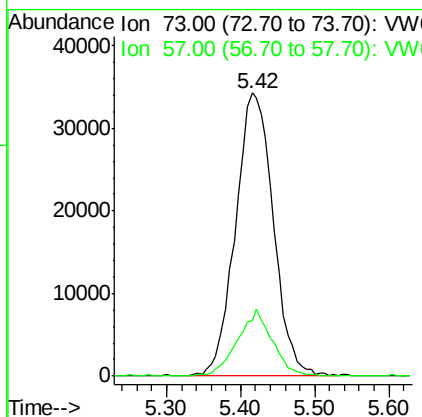
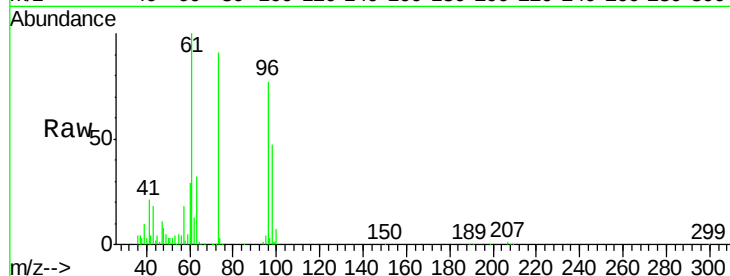
#19
Methyl tert-butyl Ether
Concen: 17.637 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	18.2	27.2

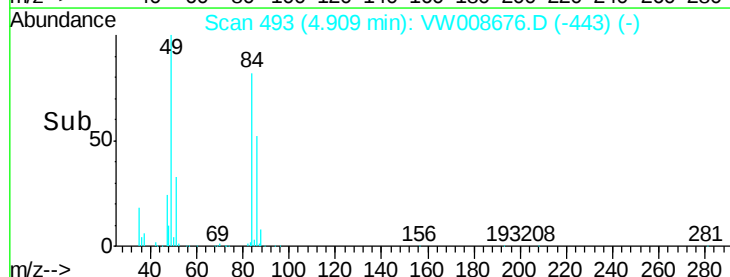
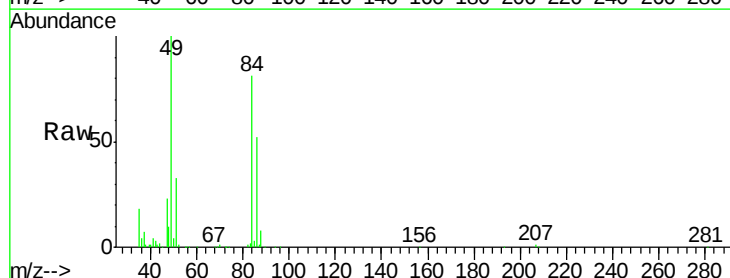
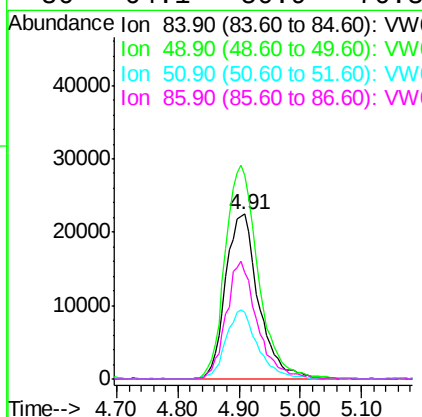
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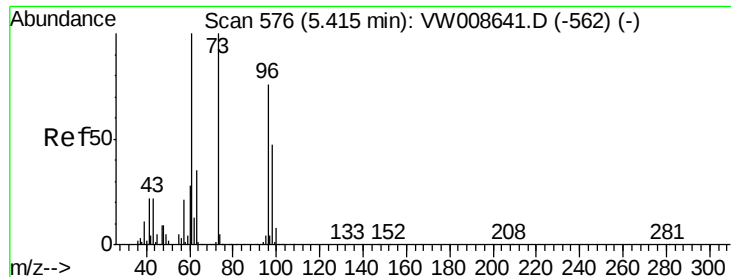
MMDadoda
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#20
Methylene Chloride
Concen: 14.908 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	113.3	169.9
51	40.1	32.1	48.1
86	64.1	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 20.323 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

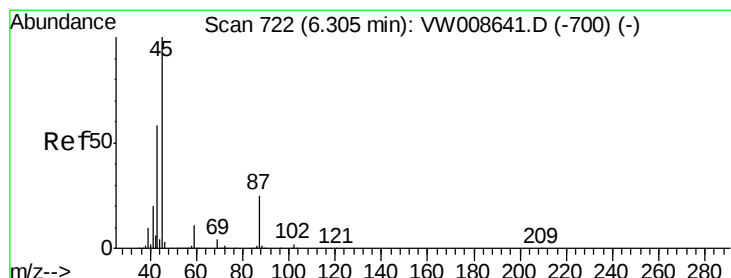
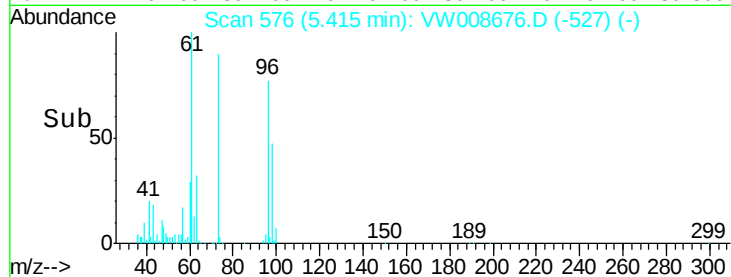
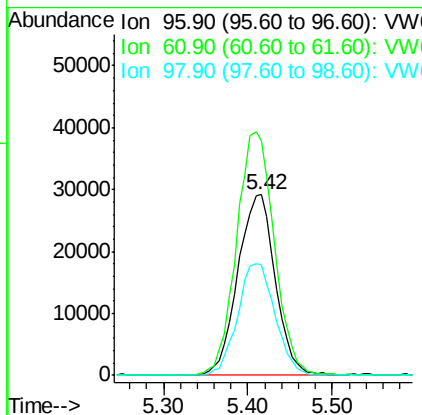
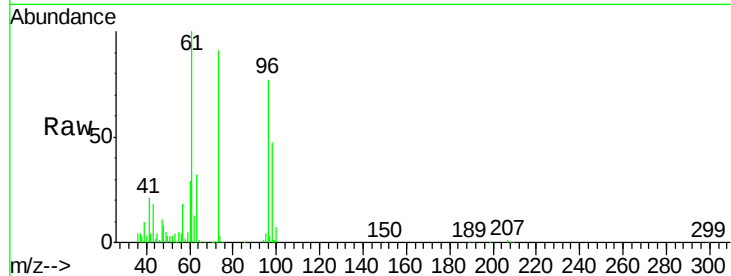
ClientSampleId :

VW0215SBS01

Tot Ion:	96	Resp:	87772
Ion	Ratio	Lower	Upper
96	100		
61	129.4	105.9	158.9
98	61.2	49.8	74.6

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#22

Diisopropyl ether

Concen: 18.507 ug/l

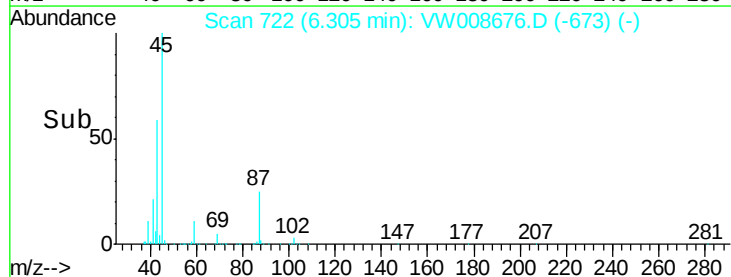
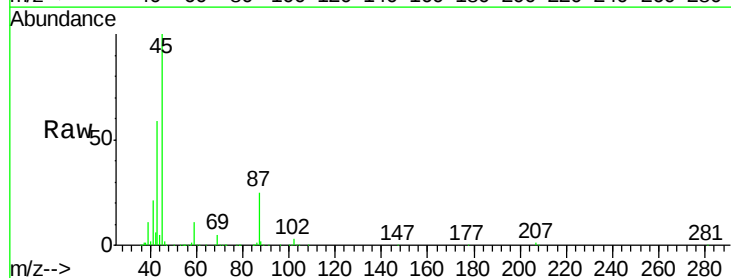
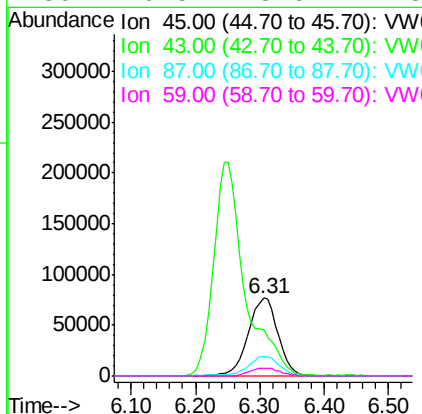
RT: 6.31 min Scan# 722

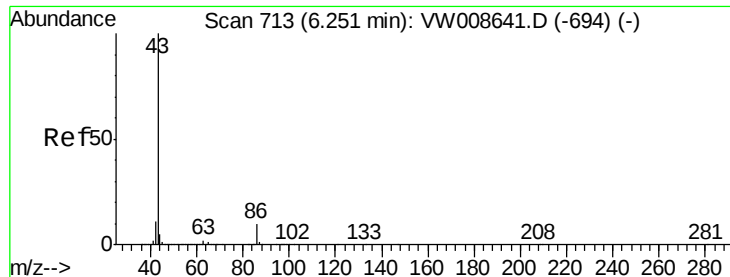
Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion:	45	Resp:	244057
Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.1	69.1
87	25.1	20.5	30.7
59	10.5	8.6	12.8





#23

Vinyl Acetate

Concen: 83.698 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 43 Resp: 716354

Ion Ratio Lower Upper

43 100

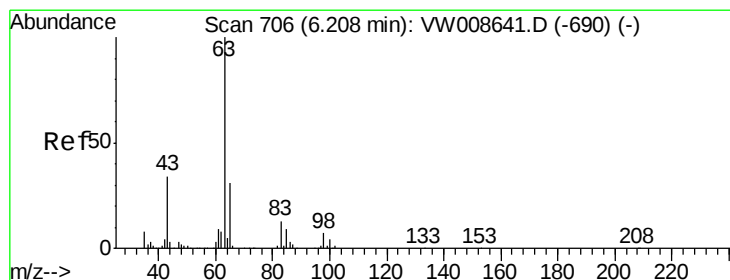
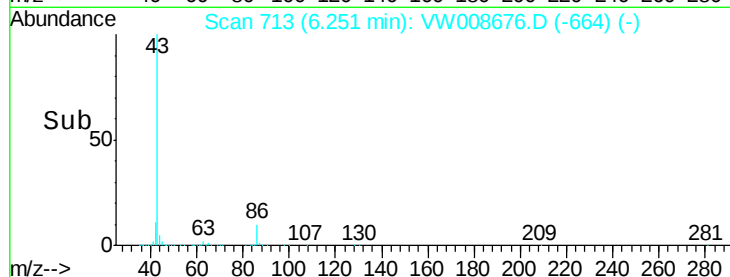
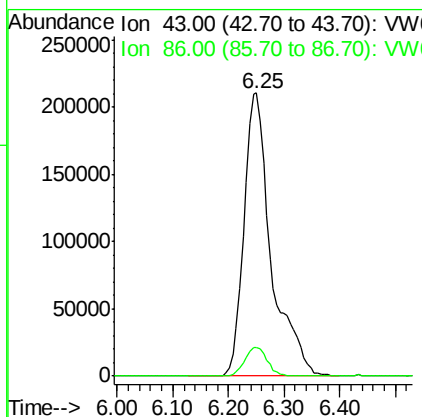
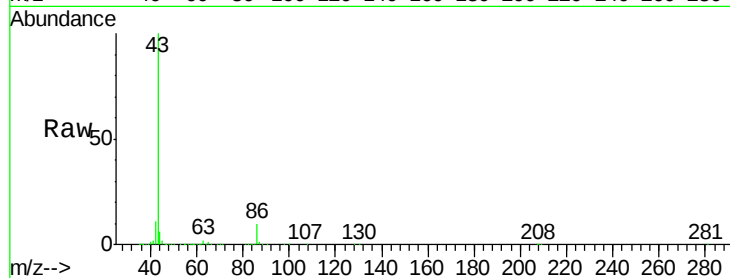
86 10.2 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 19.511 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

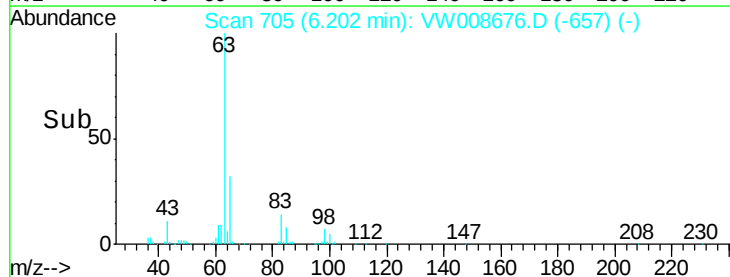
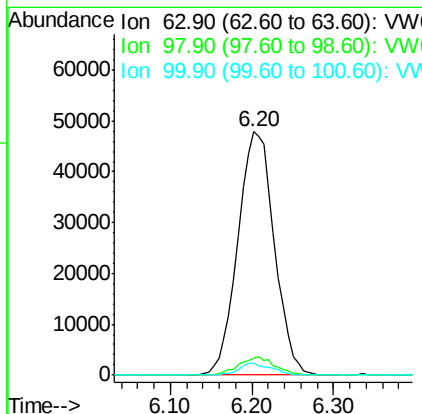
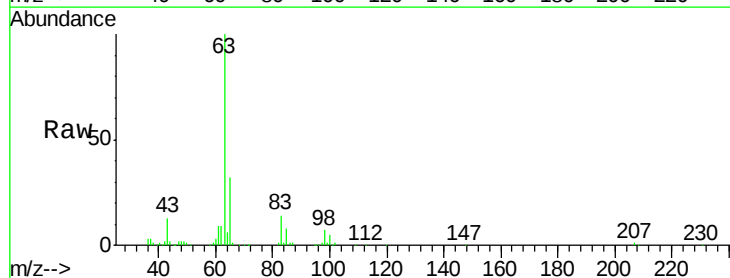
Tgt Ion: 63 Resp: 148472

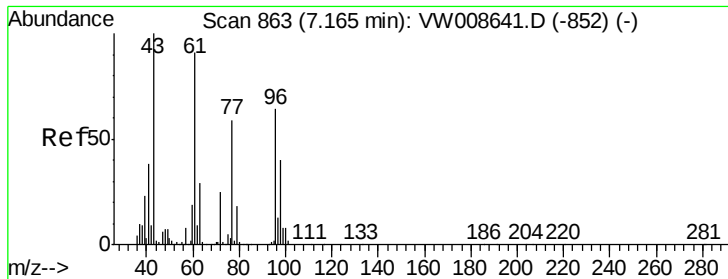
Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.8

100 5.0 2.2 6.6





#25

2-Butanone

Concen: 76.523 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 43 Resp: 103264

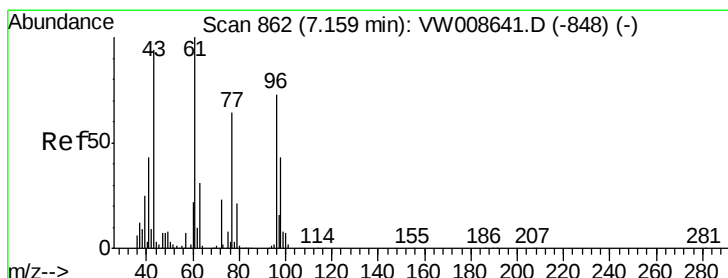
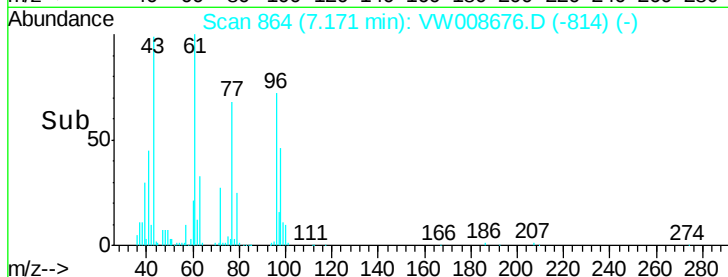
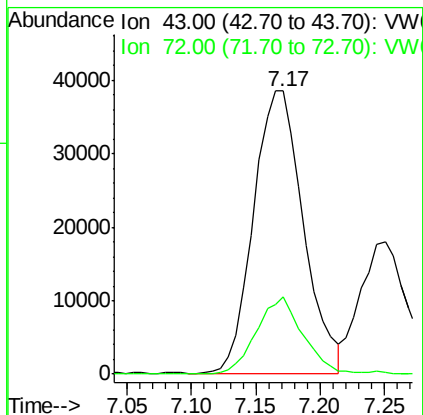
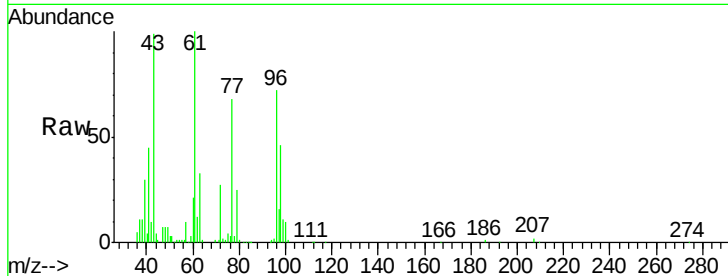
Ion Ratio Lower Upper

43 100

72 27.3 19.7 29.5

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#26

2,2-Dichloropropane

Concen: 20.827 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW008676.D

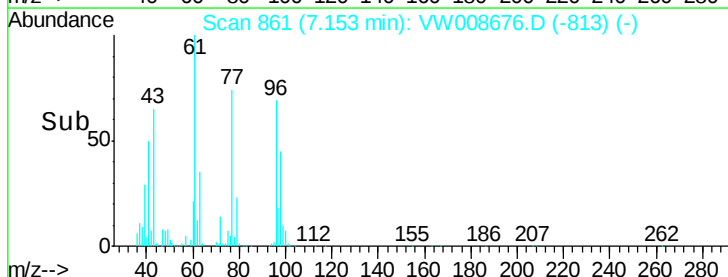
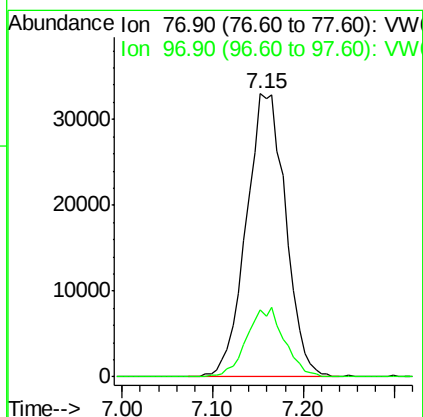
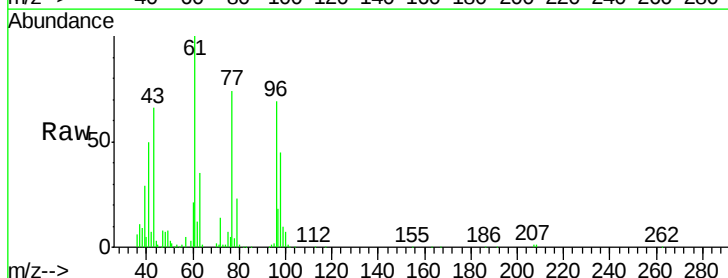
Acq: 15 Feb 2019 11:30

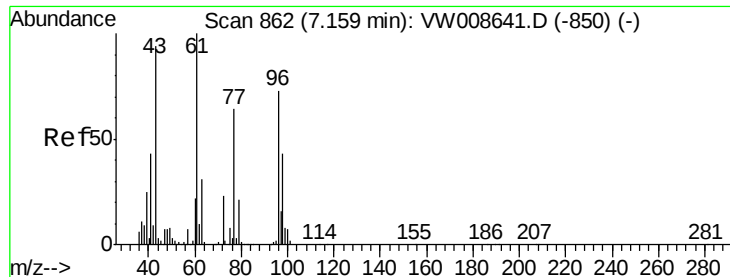
Tgt Ion: 77 Resp: 99007

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

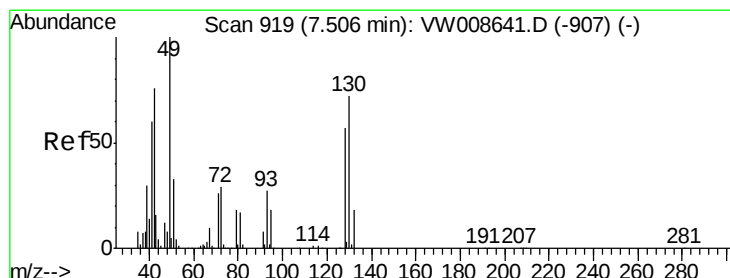
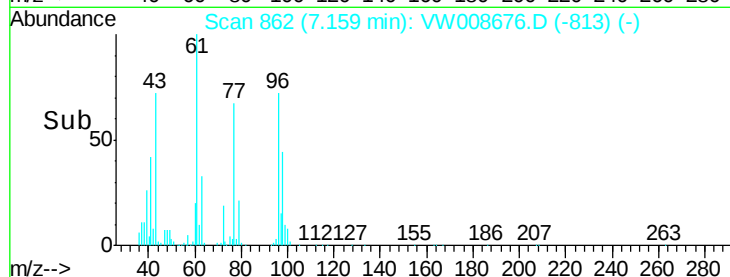
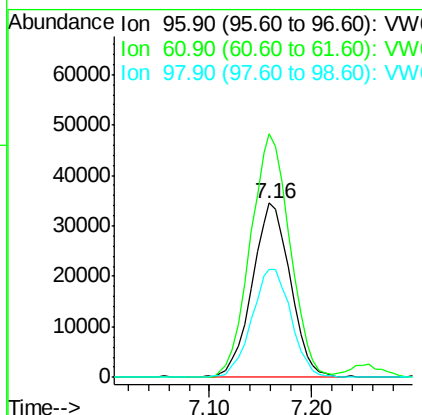
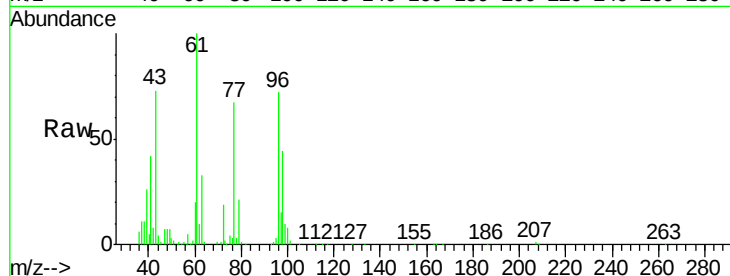
cis-1,2-Dichloroethene
Concen: 19.251 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	286.4
98	63.7	0.0	125.0

Manual Integrations
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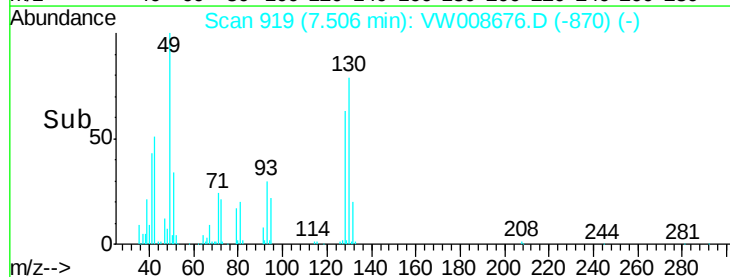
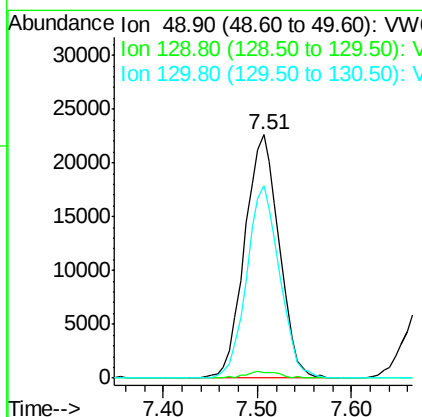
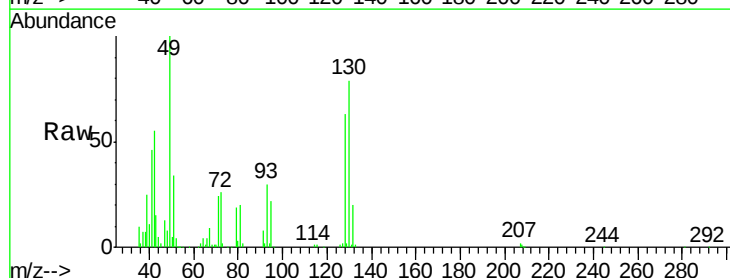
MMDadoda
2/18/2019 2:34:30 PM

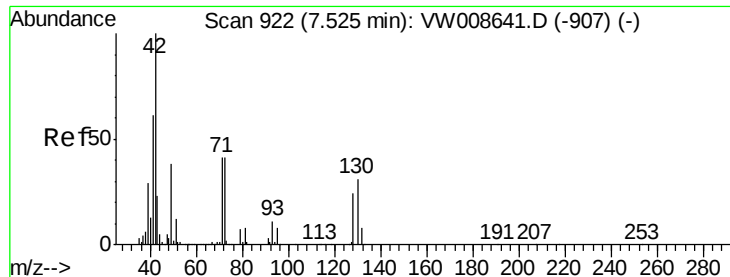


#28

Bromochloromethane
Concen: 18.025 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	3.2
130	75.5	59.4	89.0





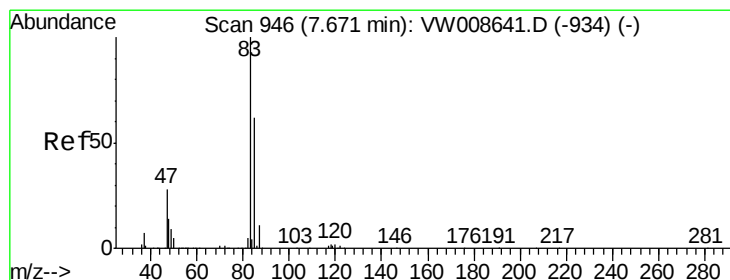
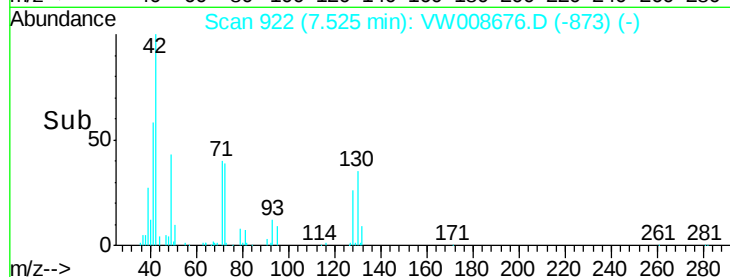
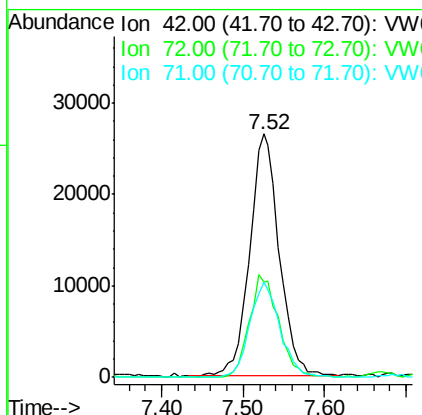
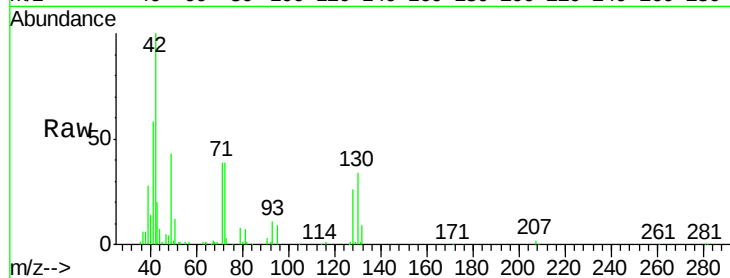
#29
Tetrahydrofuran
Concen: 75.202 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	32.2	48.2
71	40.3	31.0	46.6

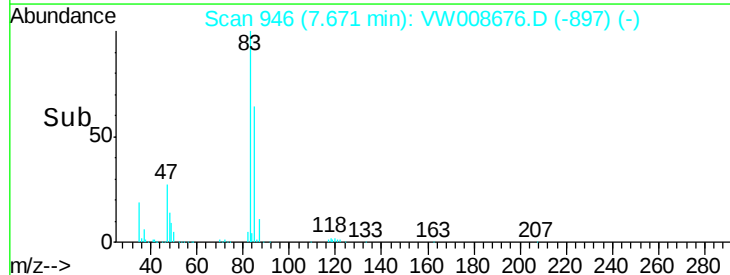
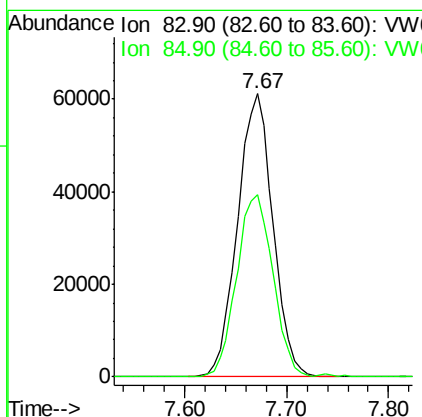
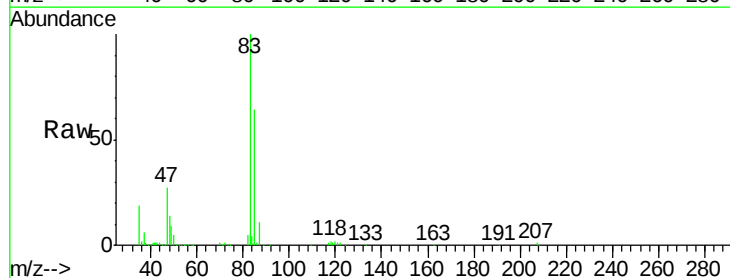
Manual Integrations
APPROVED

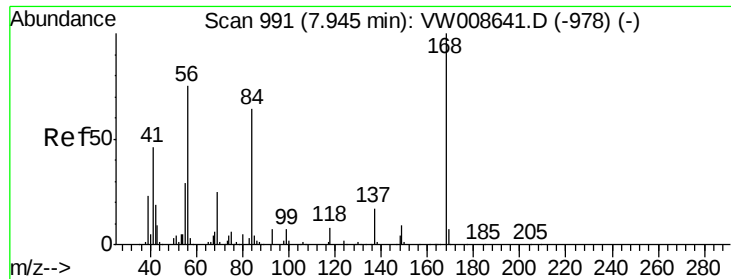
MMDadoda
2/18/2019 2:34:30 PM



#30
Chloroform
Concen: 19.313 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.8	74.8





#31

Cyclohexane

Concen: 19.403 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VW0215SBS01

Tot Ion: 56 Resp: 149029

Ion Ratio Lower Upper

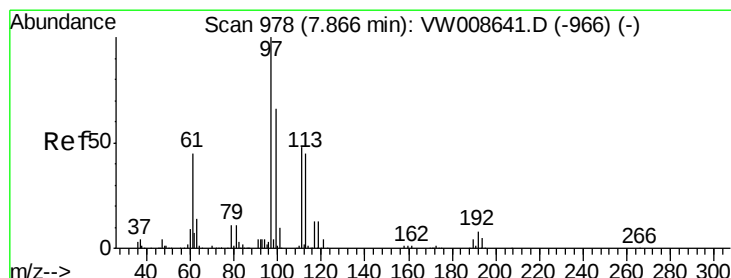
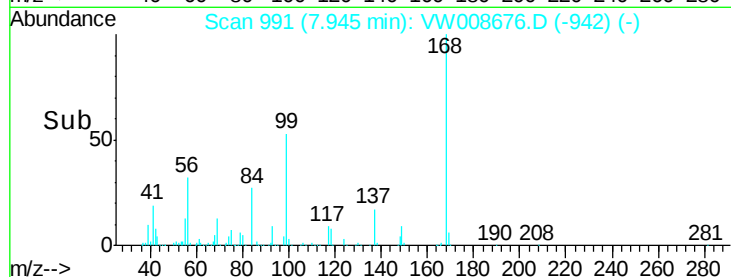
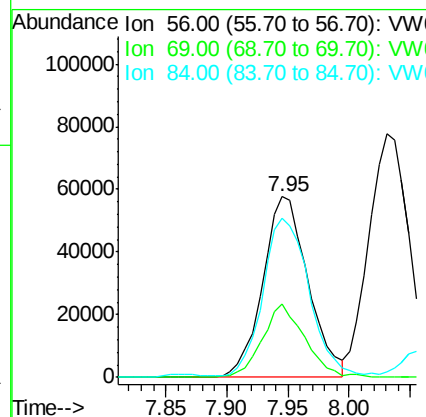
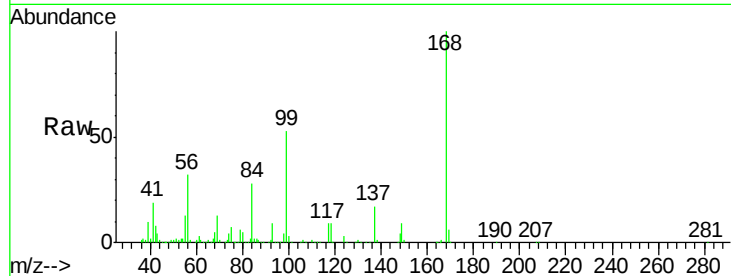
56 100

69 40.6 26.4 39.6#

84 86.4 67.4 101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.253 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

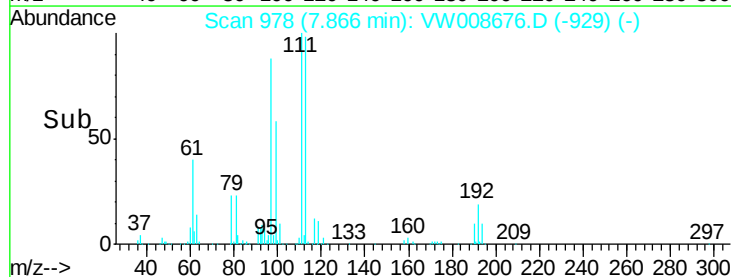
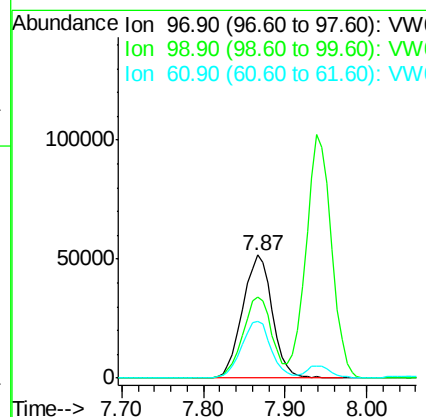
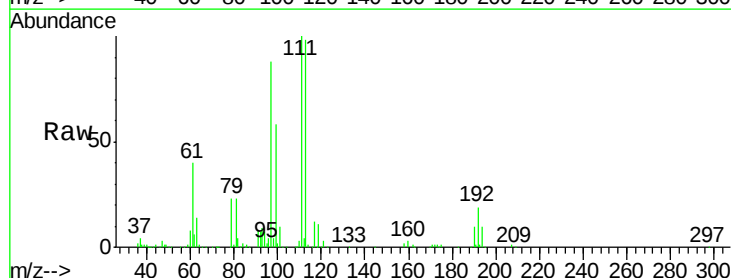
Tgt Ion: 97 Resp: 130424

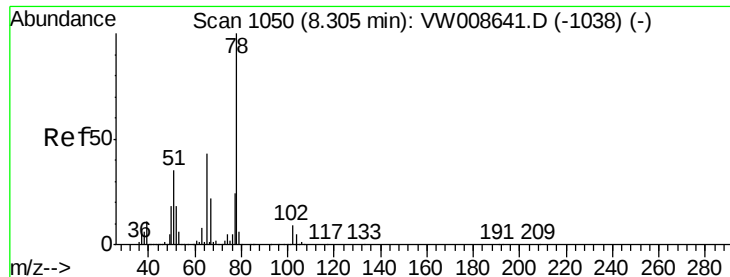
Ion Ratio Lower Upper

97 100

99 65.3 51.6 77.4

61 45.8 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 46.838 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VW0215SBS01

Tot Ion: 65 Resp: 196703

Ion Ratio Lower Upper

65 100

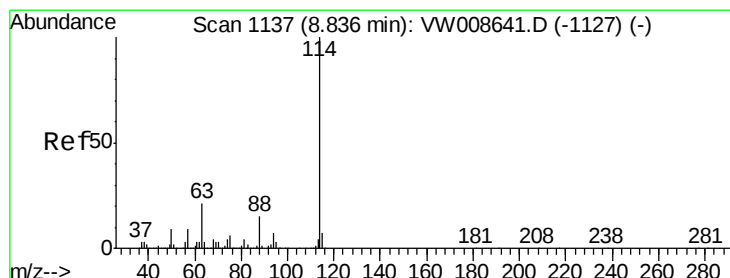
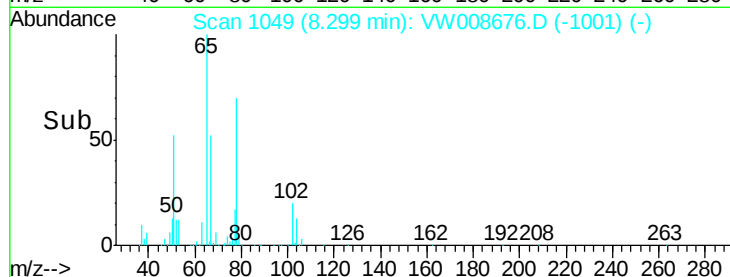
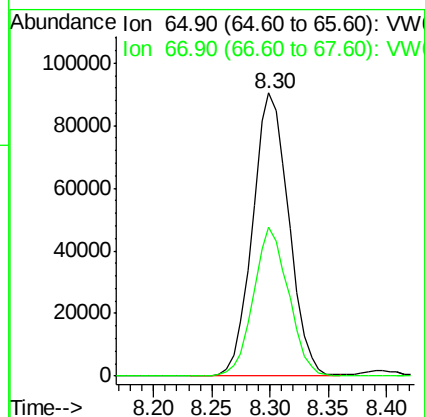
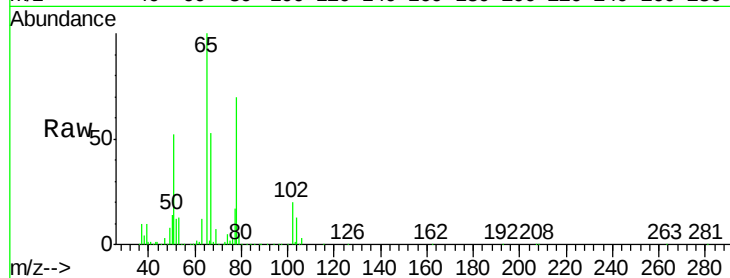
67 51.0 0.0 102.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

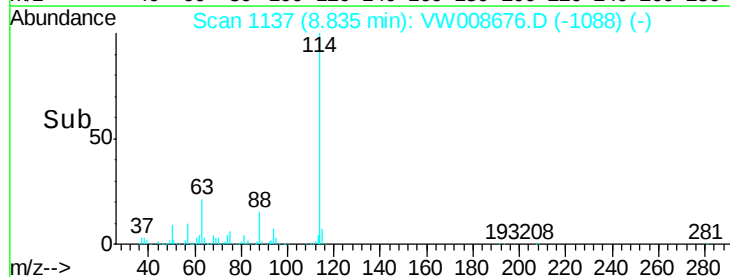
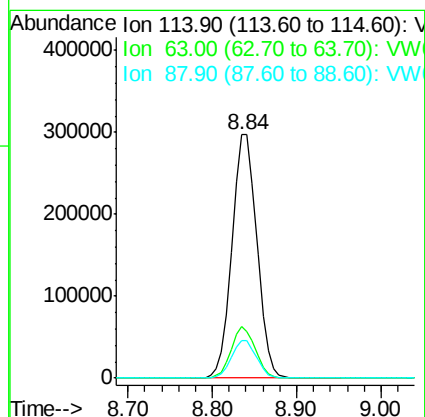
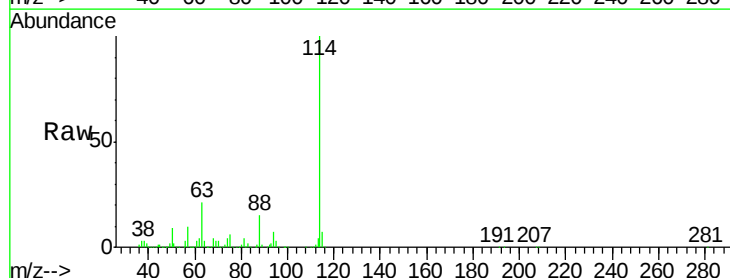
Tgt Ion: 114 Resp: 595322

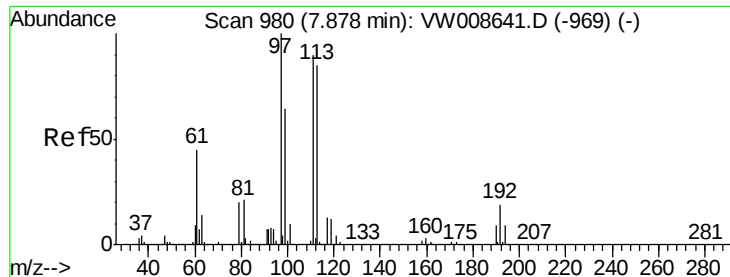
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.2

88 15.3 0.0 29.6





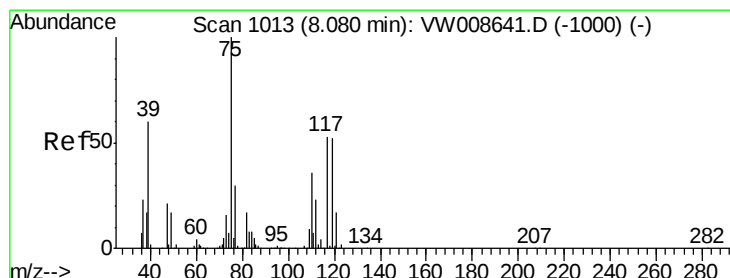
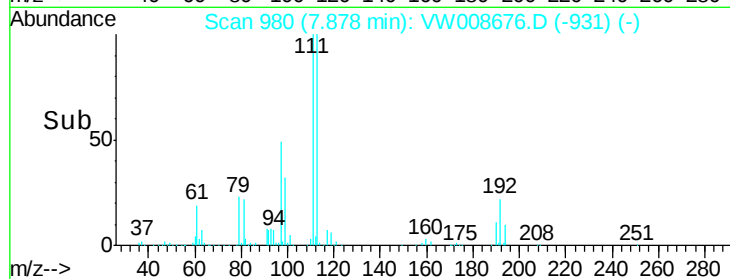
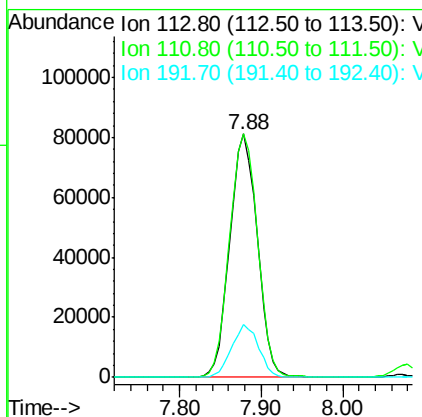
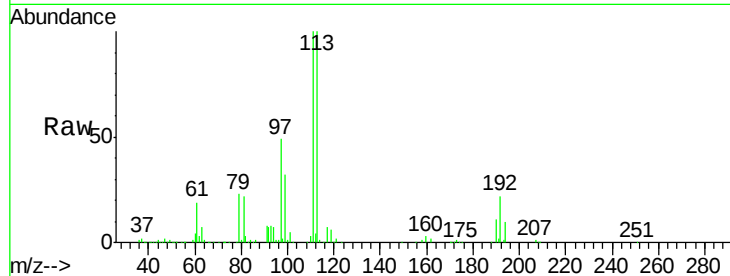
#35
 Dibromofluoromethane
 Concen: 51.102 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188903		
111	102.0		84.0	126.0
192	21.4		17.4	26.2

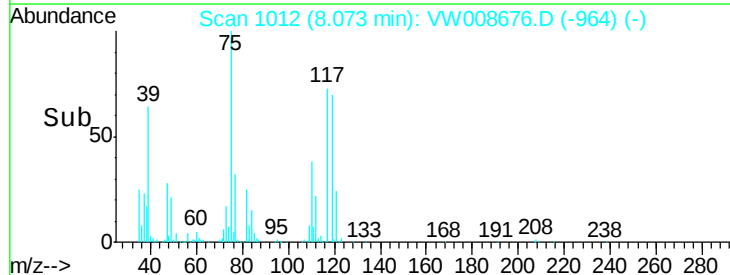
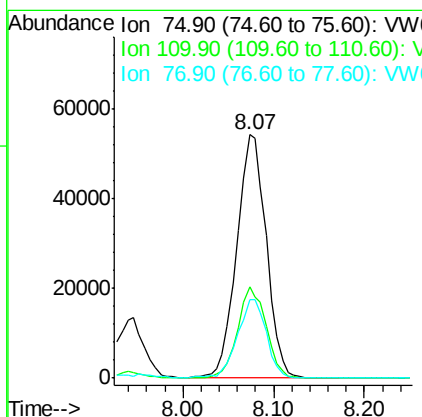
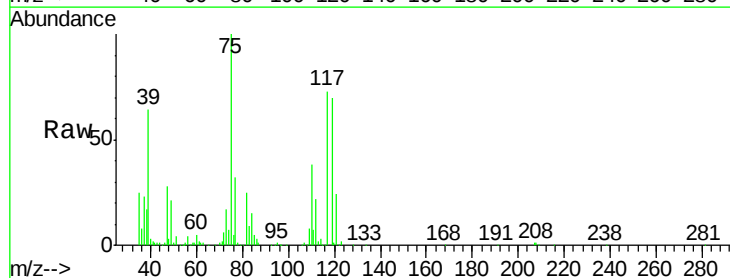
Manual Integrations
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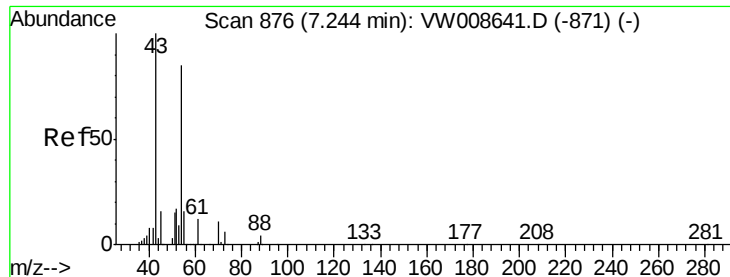
MMDadoda
 2/18/2019 2:34:30 PM



#36
 1,1-Dichloropropene
 Concen: 20.528 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122782		
110	36.1		17.8	53.3
77	31.8		24.7	37.1





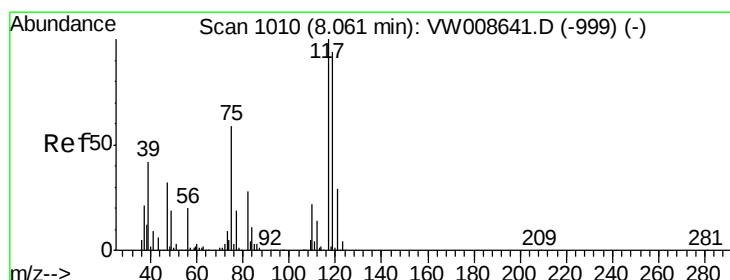
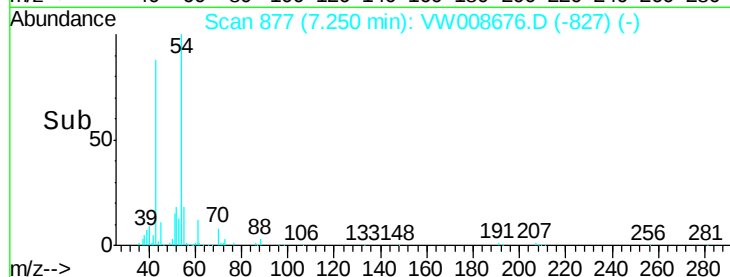
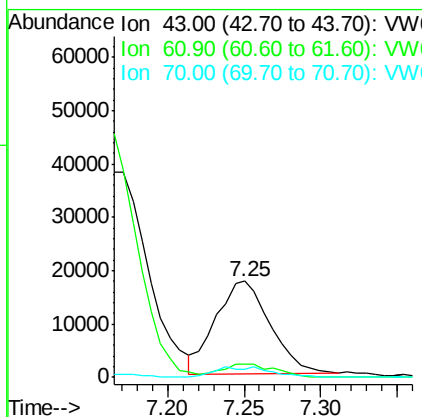
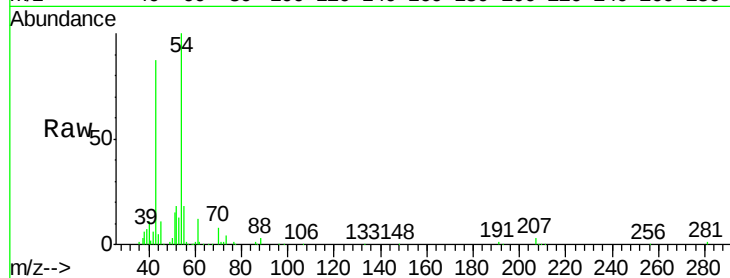
#37
Ethyl Acetate
Concen: 15.031 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	11.6	8.1	12.1

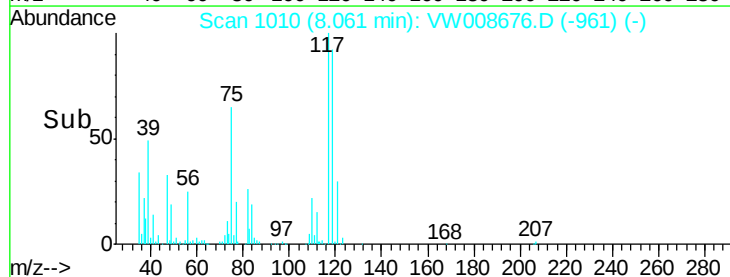
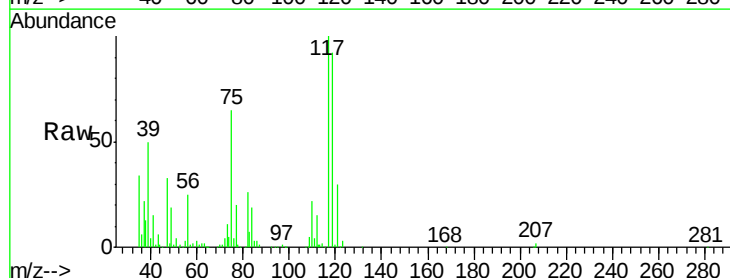
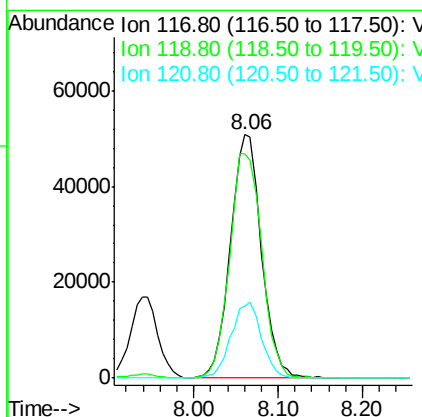
Manual Integrations
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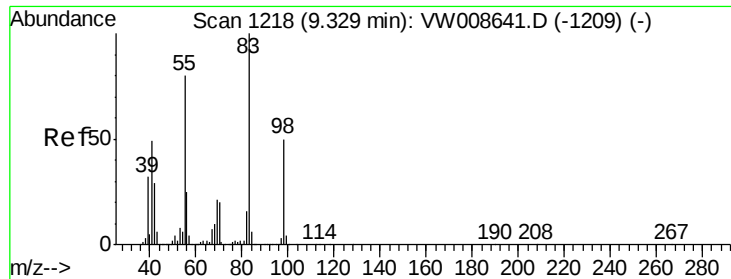
MMDadoda
2/18/2019 2:34:30 PM



#38
Carbon Tetrachloride
Concen: 21.226 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.1	112.7
121	29.7	23.5	35.3





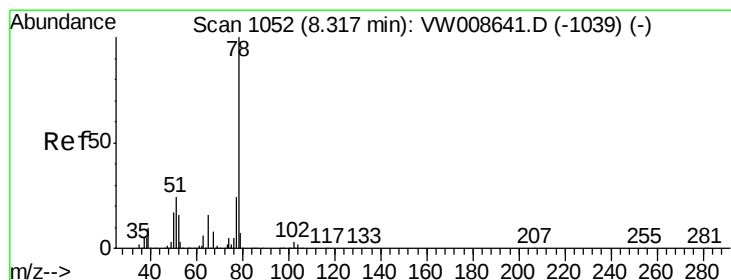
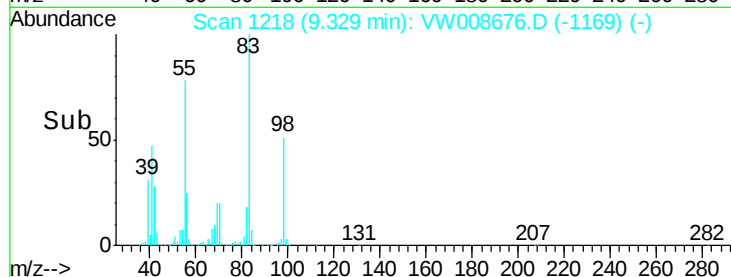
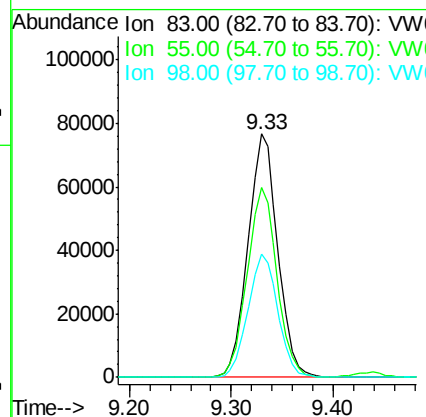
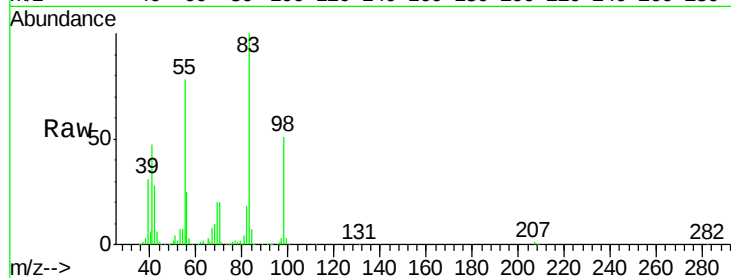
#39
Methvlcvclohexane
Concen: 20.570 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampled :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	63.9	95.9
98	50.7	40.2	60.2

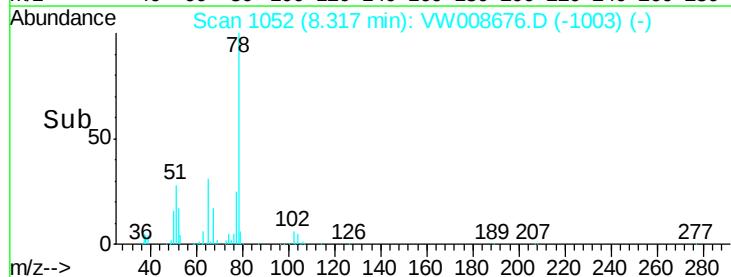
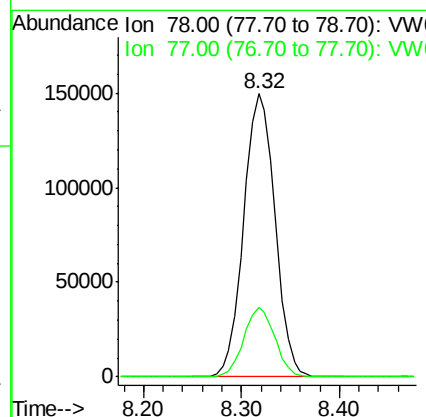
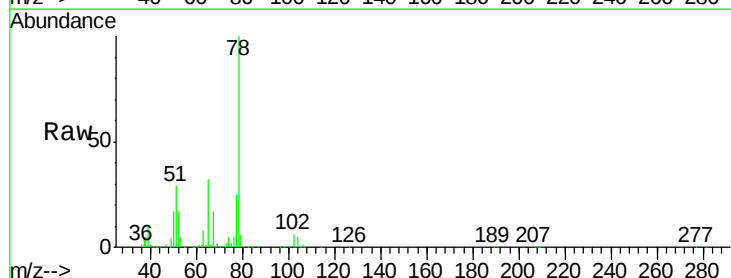
Manual Integrations
APPROVED

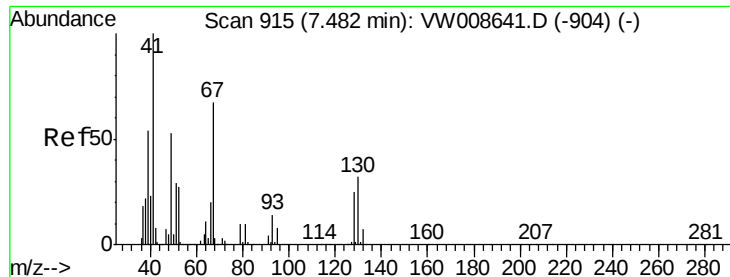
MMDadoda
2/18/2019 2:34:30 PM



#40
Benzene
Concen: 20.333 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





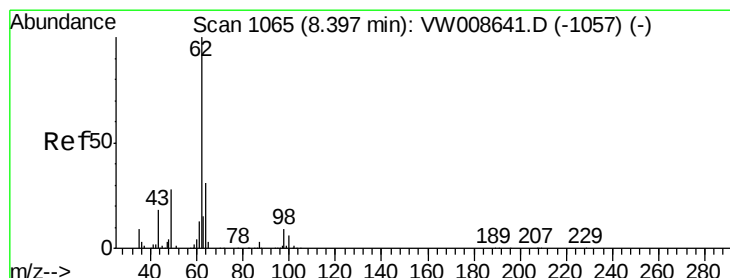
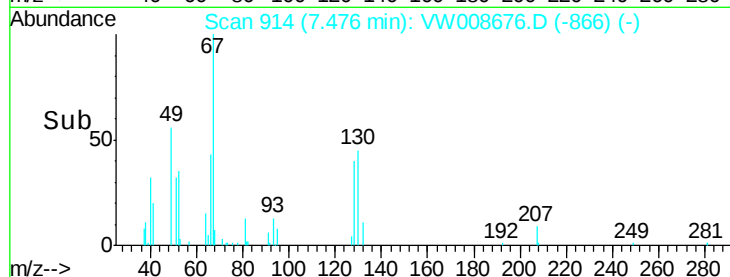
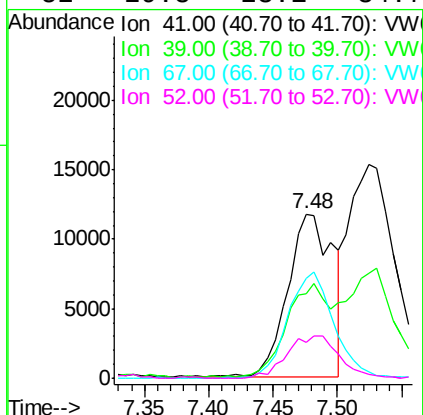
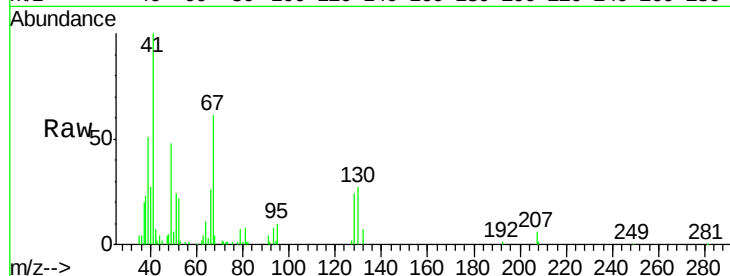
#41
Methacrylonitrile
Concen: 17.814 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	39.7	59.5
67	65.5	52.5	78.7
52	29.8	23.1	34.7

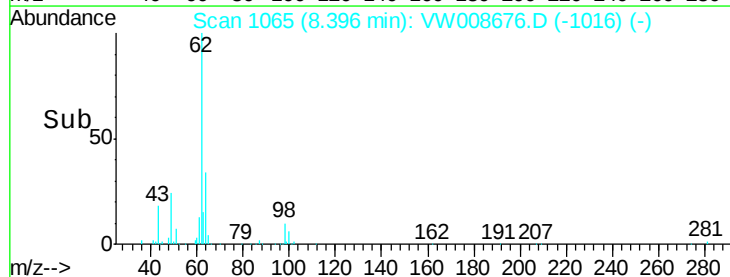
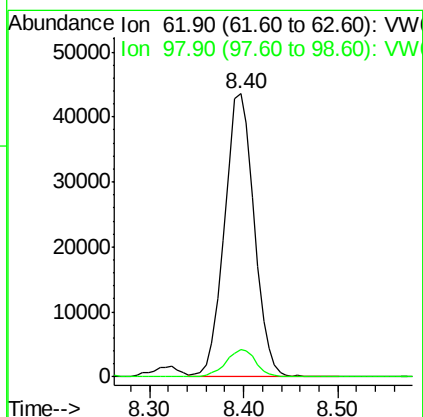
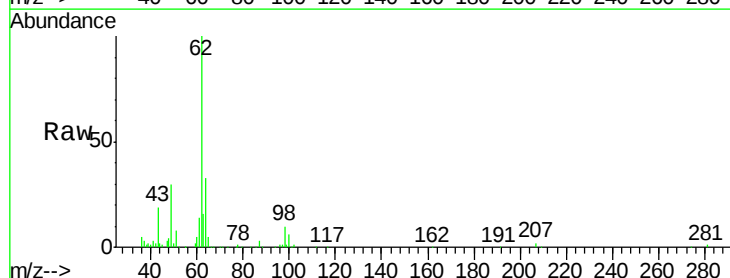
Manual Integrations
APPROVED

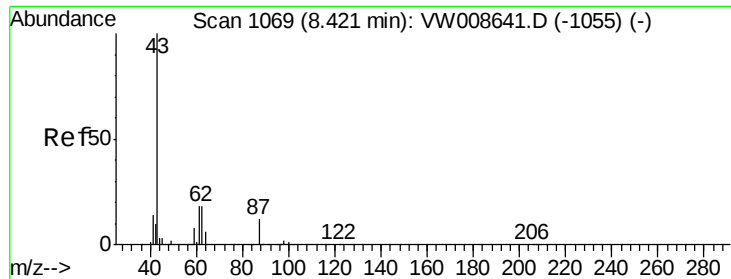
MMDadoda
2/18/2019 2:34:30 PM



#42
1,2-Dichloroethane
Concen: 18.791 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.2





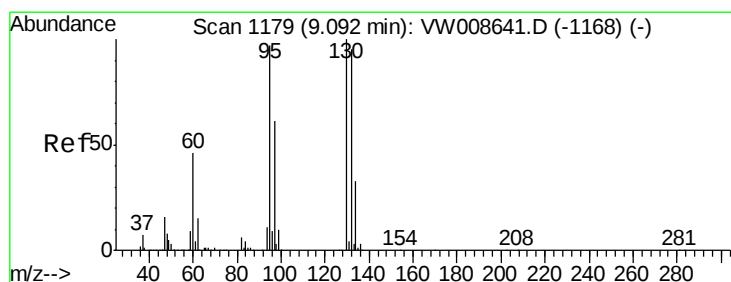
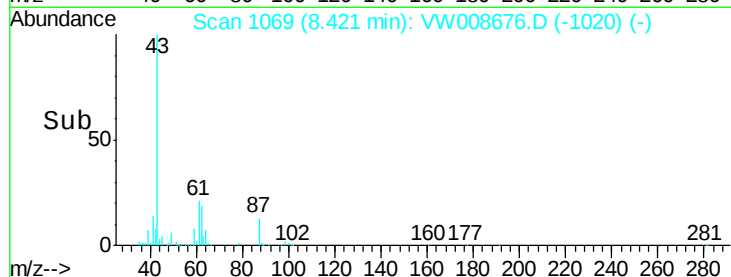
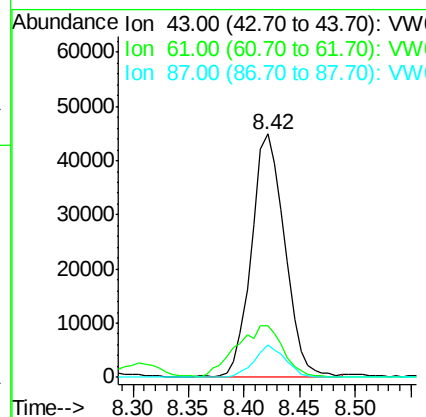
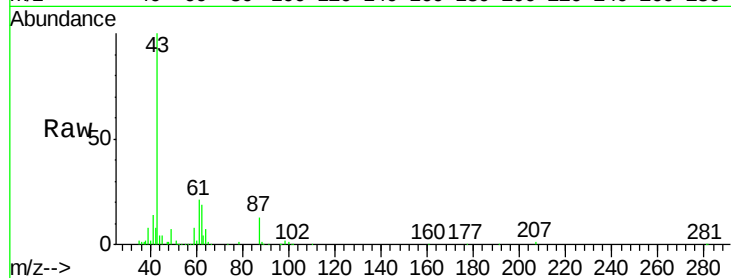
#43
Isopropyl Acetate
Concen: 16.215 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	21.4	32.2
87	12.3	9.8	14.8

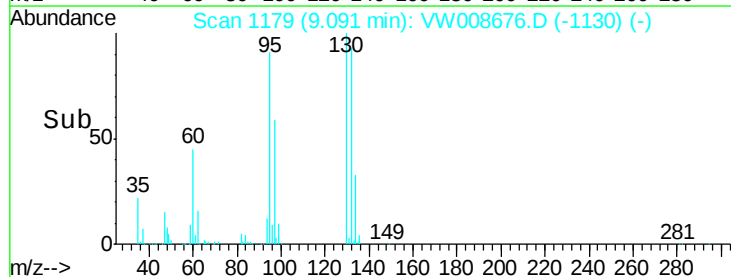
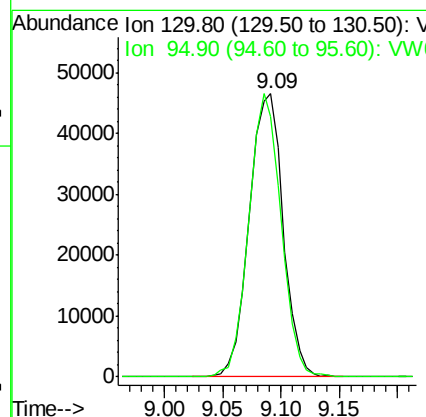
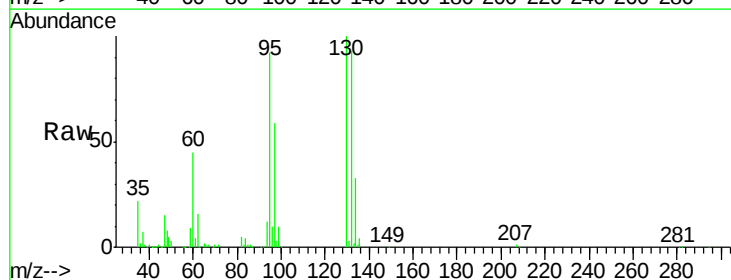
Manual Integrations
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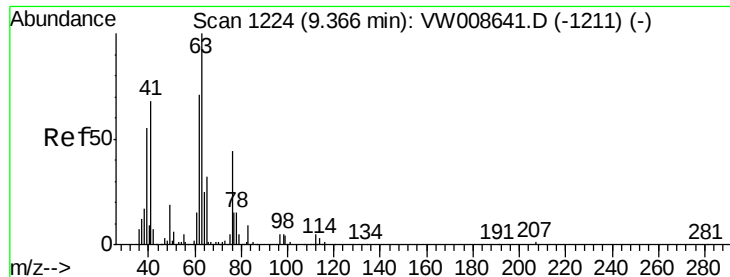
MMDadoda
2/18/2019 2:34:30 PM



#44
Trichloroethene
Concen: 20.816 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	193.4





#45

1,2-Dichloropropane

Concen: 19.548 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 63 Resp: 79026

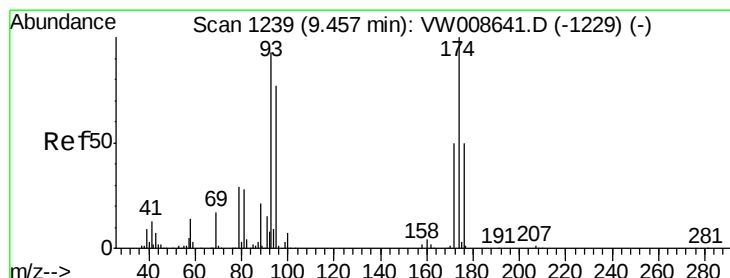
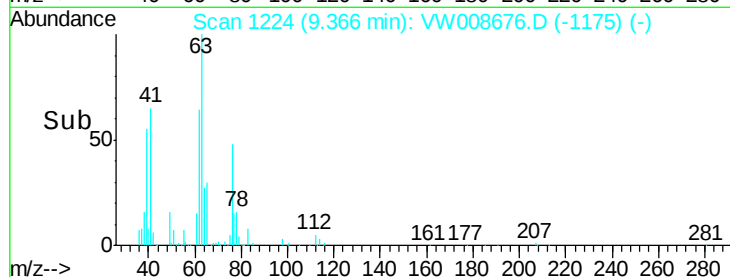
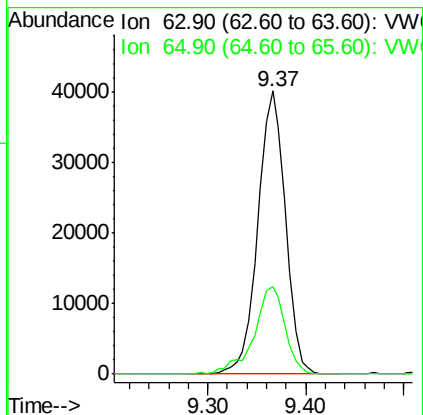
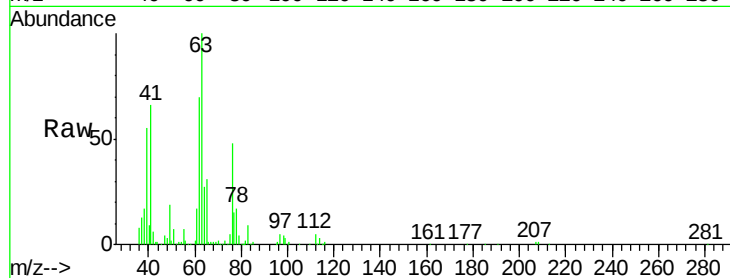
Ion Ratio Lower Upper

63 100

65 31.0 25.4 38.0

Manual Integrations
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2/18/2019 2:34:30 PM



#46

Dibromomethane

Concen: 18.780 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

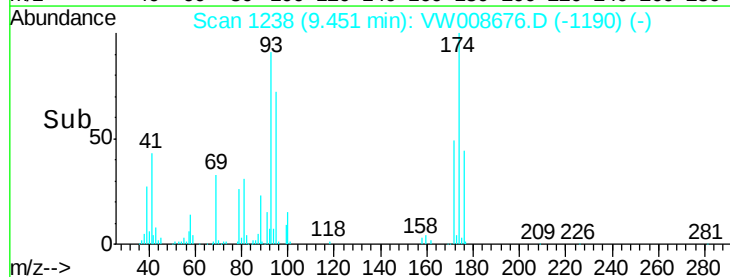
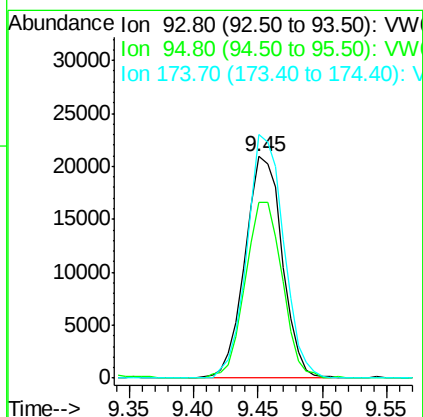
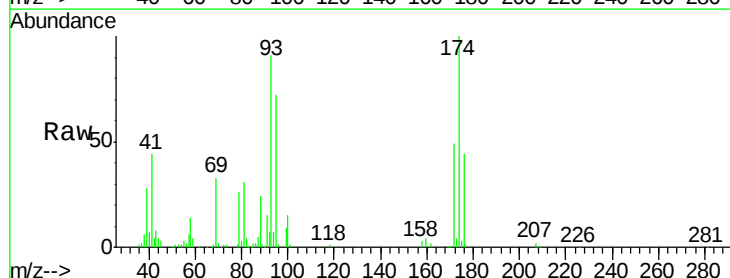
Tgt Ion: 93 Resp: 41821

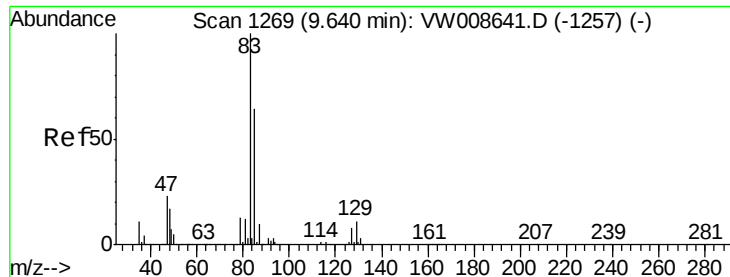
Ion Ratio Lower Upper

93 100

95 79.0 65.8 98.8

174 108.1 82.5 123.7





#47

Bromodichloromethane

Concen: 19.597 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

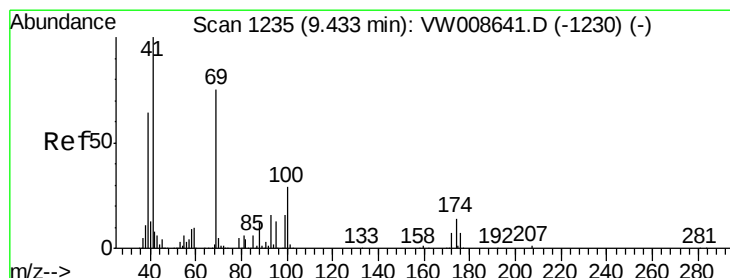
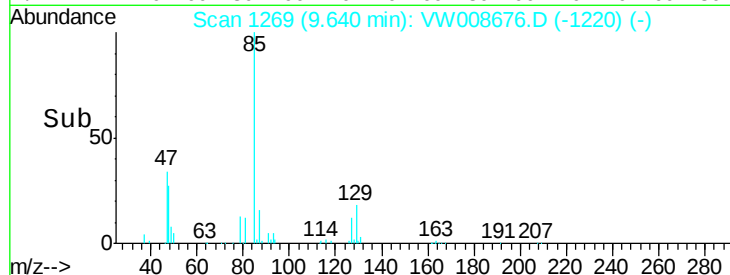
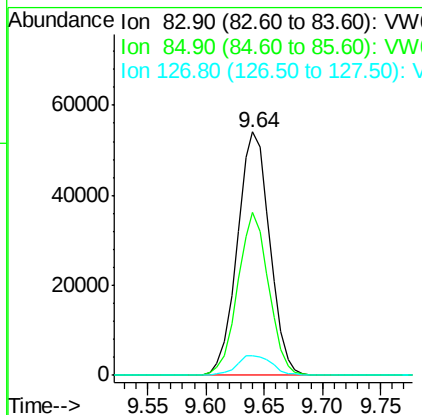
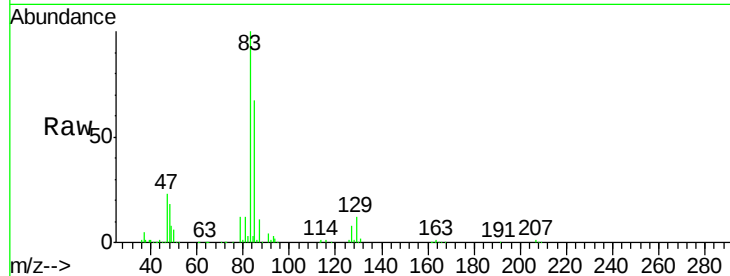
ClientSampleId :

VW0215SBS01

Tot Ion:	83	Resp:	104883
Ion Ratio	Lower	Upper	
83	100		
85	66.8	51.2	76.8
127	7.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.082 ug/l

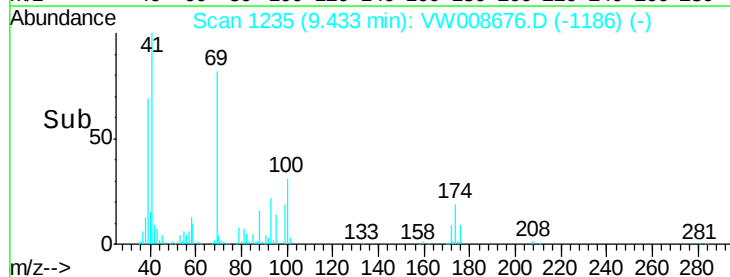
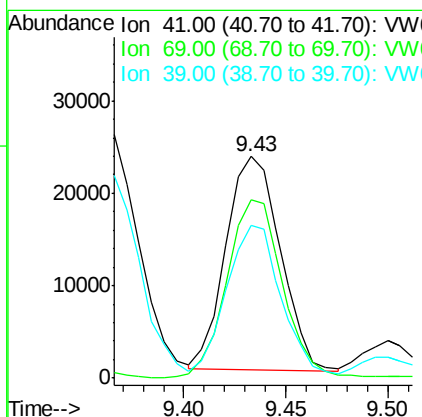
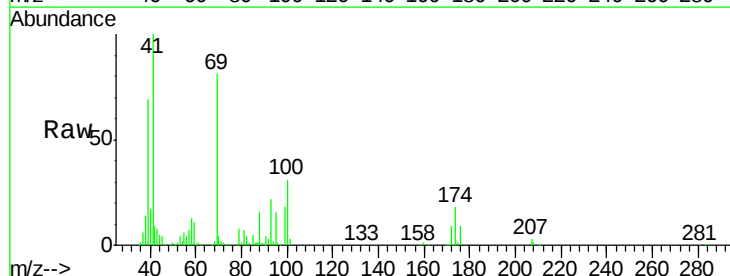
RT: 9.43 min Scan# 1235

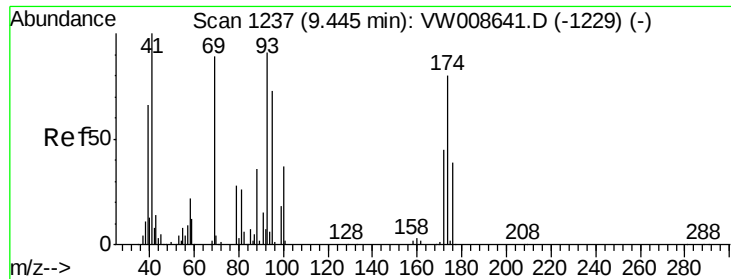
Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion:	41	Resp:	42878
Ion Ratio	Lower	Upper	
41	100		
69	84.7	64.1	96.1
39	68.0	52.3	78.5





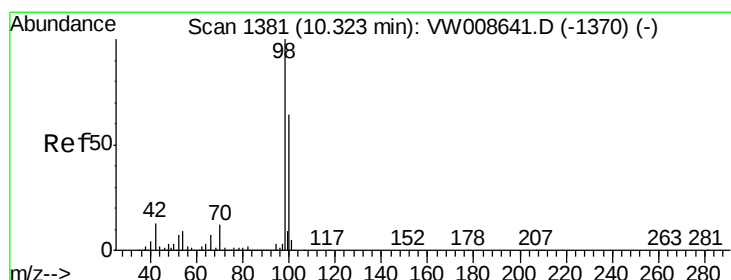
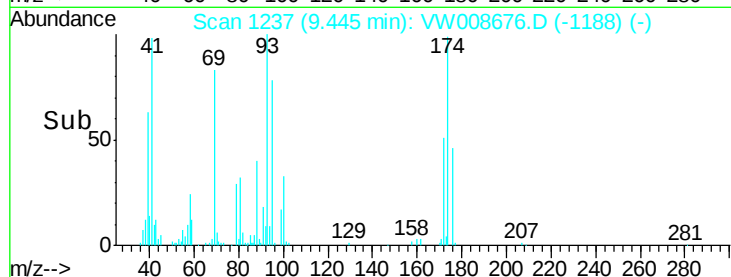
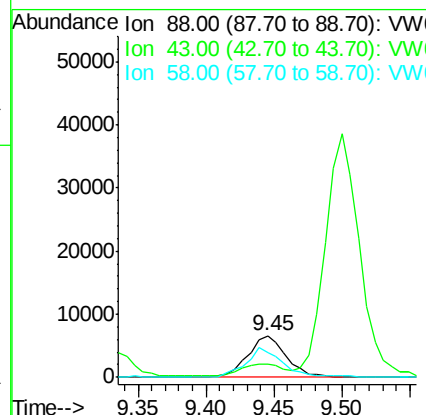
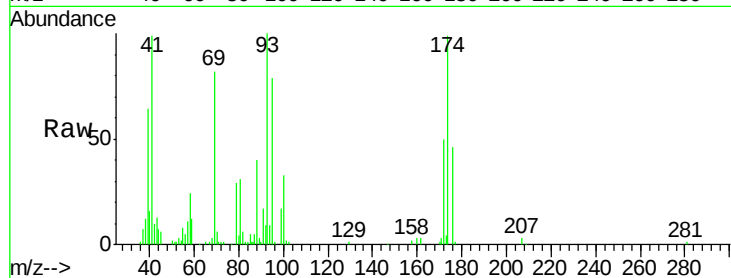
#49
1,4-Dioxane
Concen: 361.384 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	88	Resp	12846
Ion	Ratio	Lower	Upper
88	100		
43	32.4	31.0	46.6
58	72.5	57.0	85.6

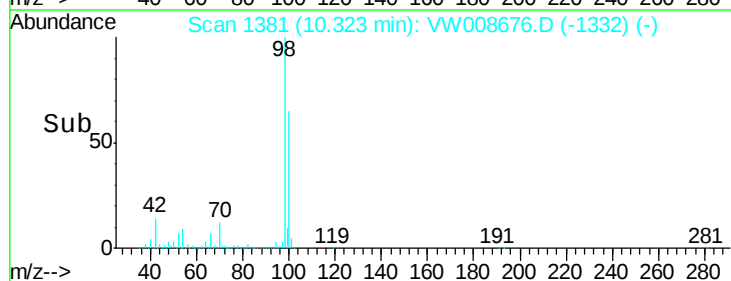
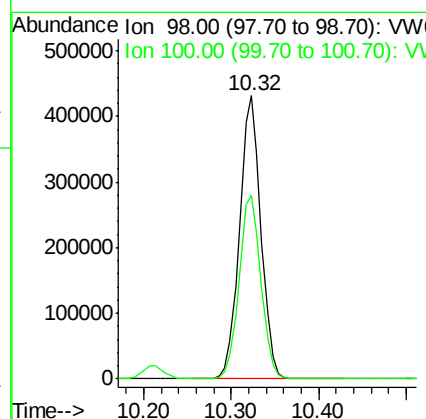
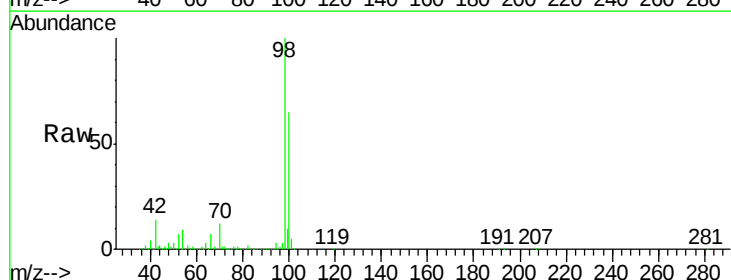
Manual Integrations
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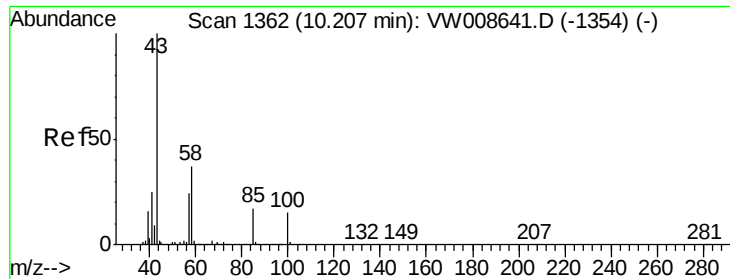
MMDadoda
2/18/2019 2:34:30 PM



#50
Toluene-d8
Concen: 51.432 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	98	Resp	732896
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.2	78.4





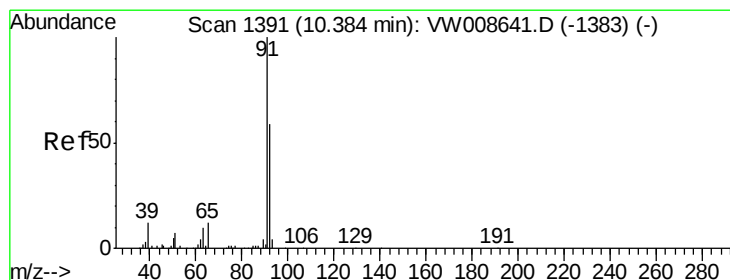
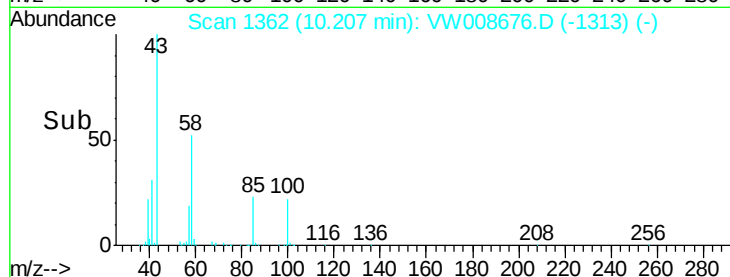
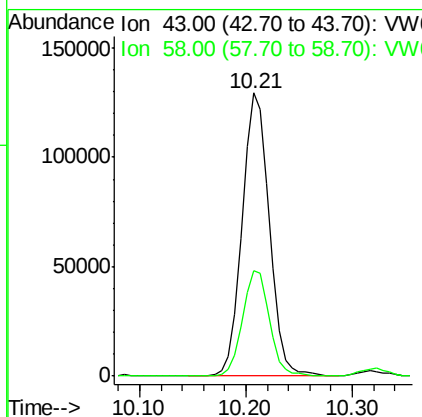
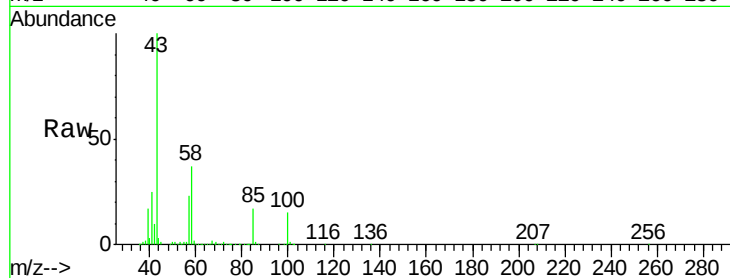
#51
 4-Methyl-2-Pentanone
 Concen: 78.458 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.0	43.6

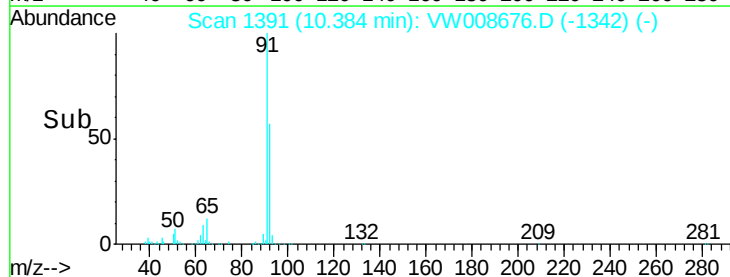
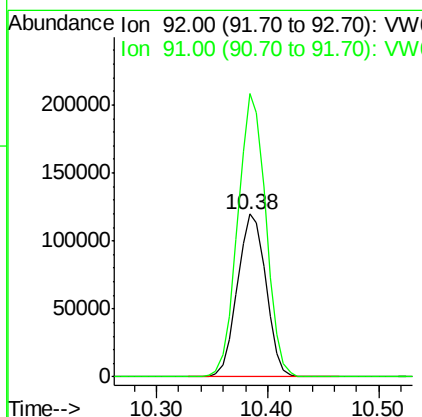
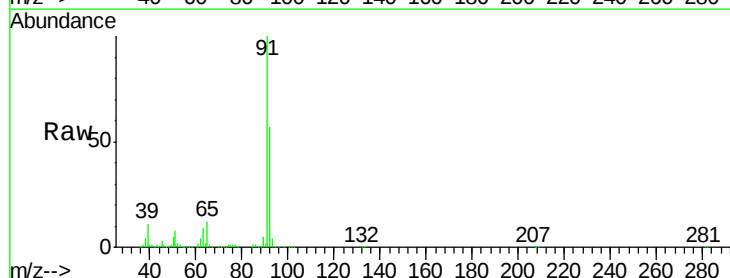
Manual Integrations
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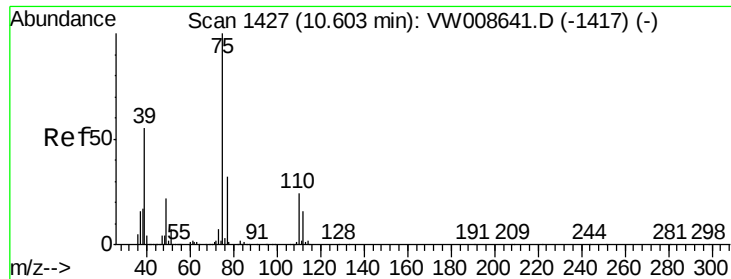
MMDadoda
 2/18/2019 2:34:30 PM



#52
 Toluene
 Concen: 20.218 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.9	135.8	203.6





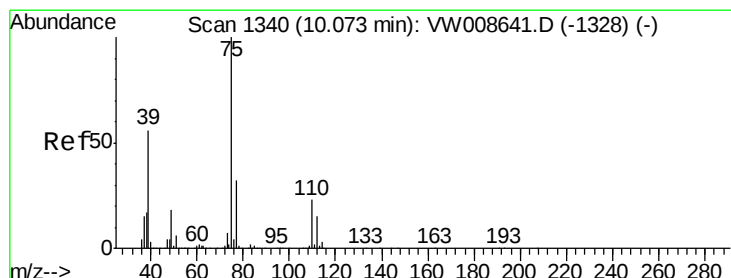
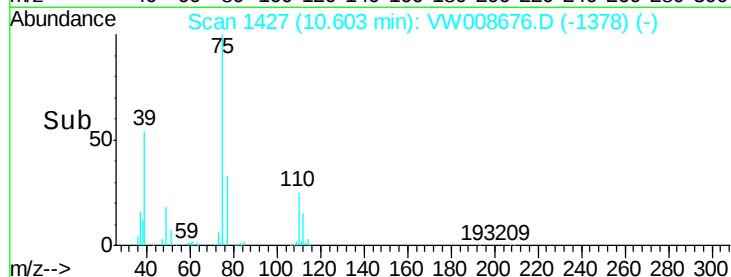
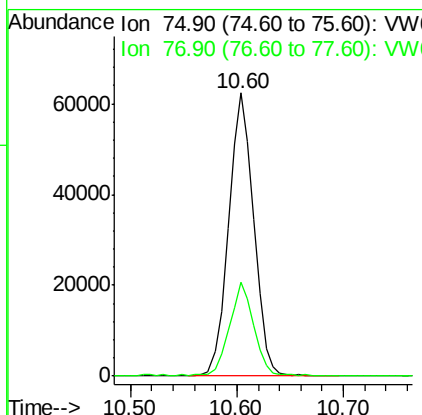
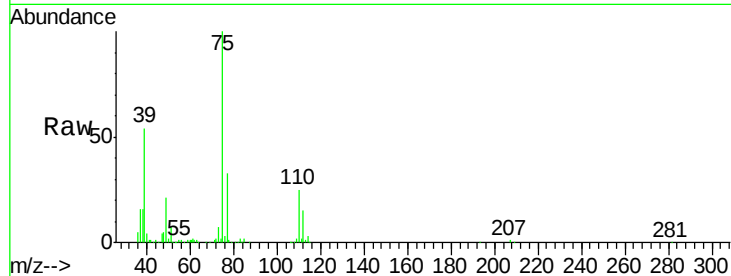
#53
t-1,3-Dichloropropene
Concen: 18.326 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.7	38.5

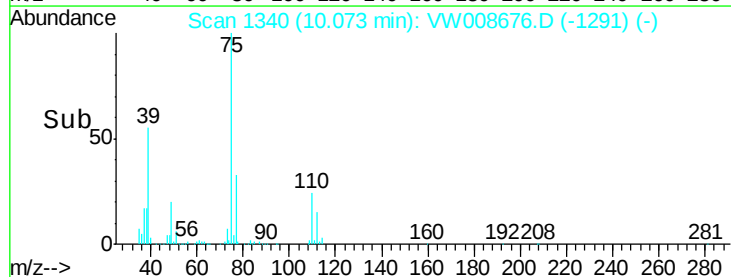
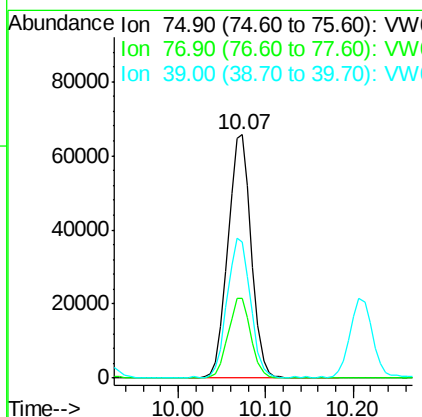
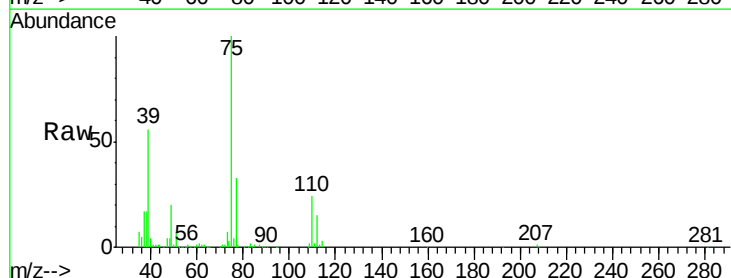
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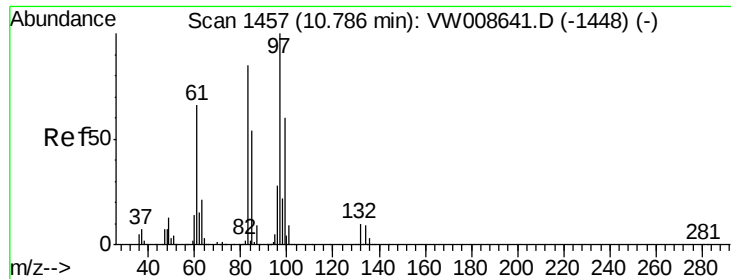
MMDadoda
2/18/2019 2:34:30 PM



#54
cis-1,3-Dichloropropene
Concen: 19.097 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0
39	55.7	44.5	66.7





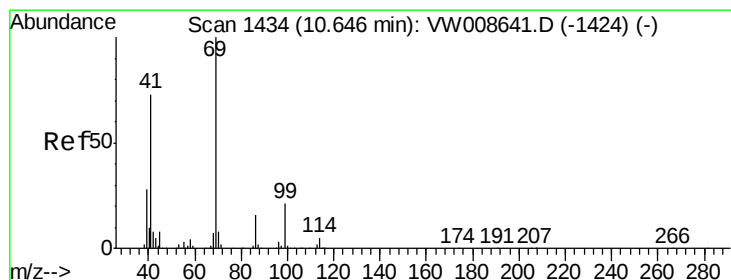
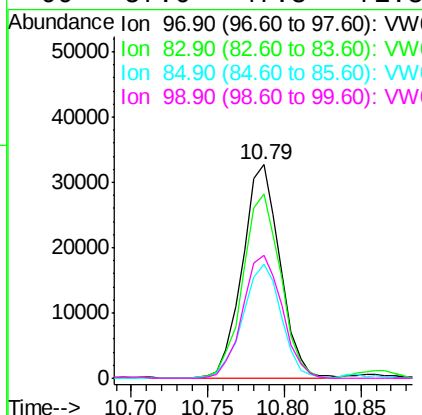
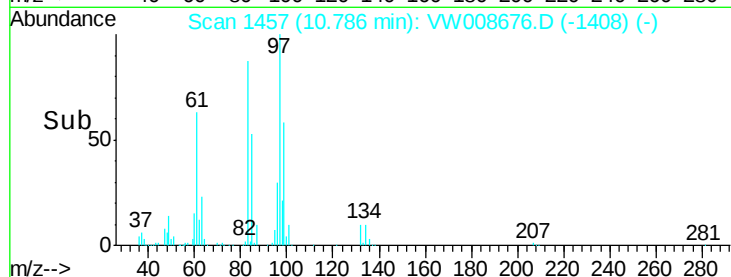
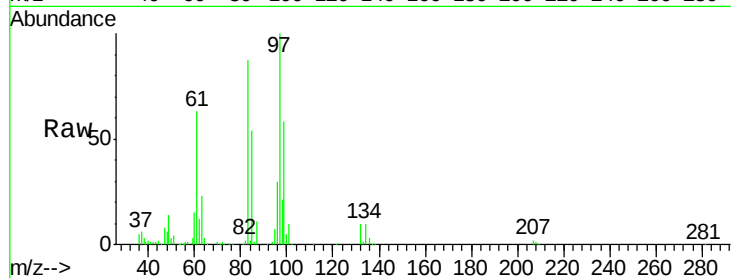
#55
 1,1,2-Trichloroethane
 Concen: 18.305 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Instrument :
 MSVOA_W
 ClientSampled :
 VW0215SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		55932		
83	86.6	68.4	102.6		
85	53.6	43.1	64.7		
99	57.6	47.8	71.8		

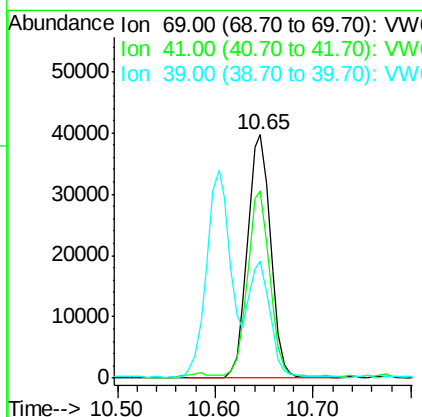
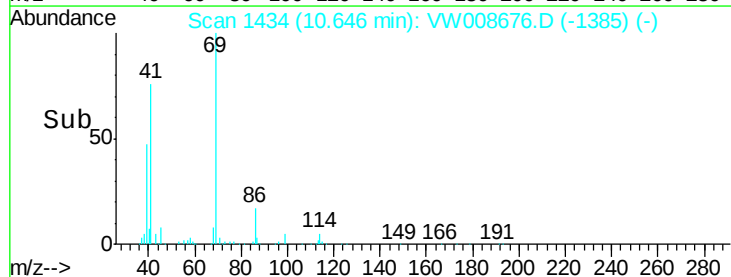
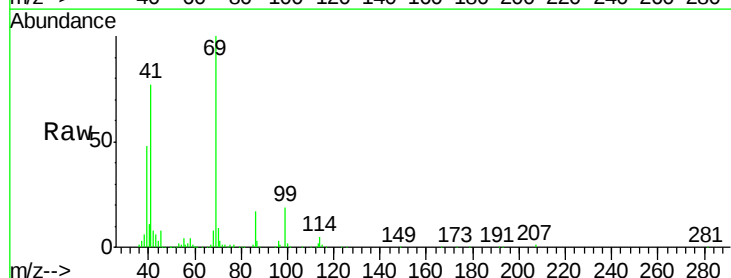
Manual Integrations
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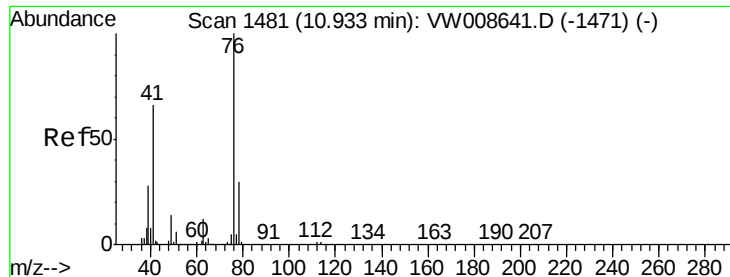
MMDadoda
 2/18/2019 2:34:30 PM



#56
 Ethyl methacrylate
 Concen: 16.184 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		65664		
41	73.1	59.0	88.4		
39	43.4	34.4	51.6		





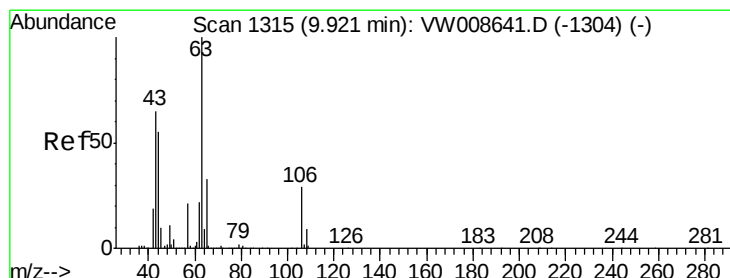
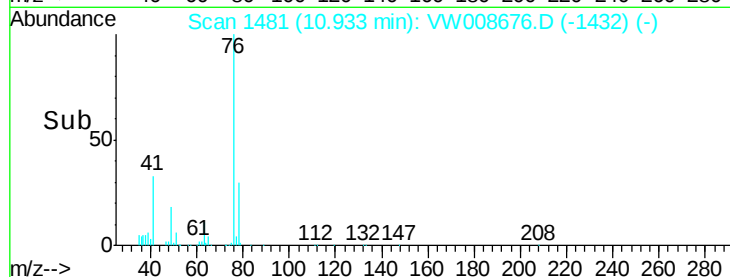
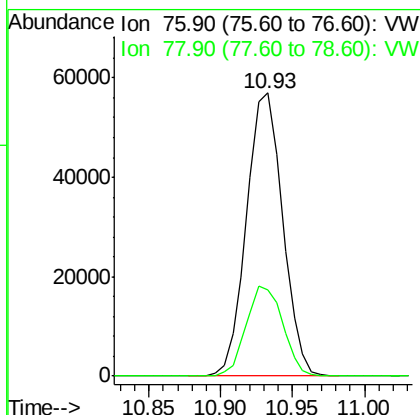
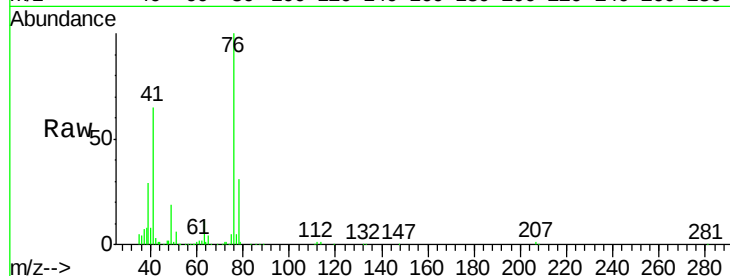
#57
 1,3-Dichloropropane
 Concen: 18.303 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.4	38.0

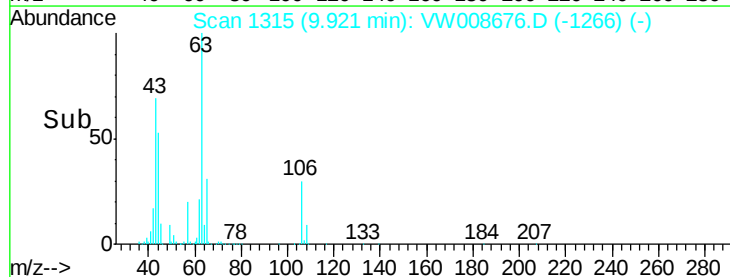
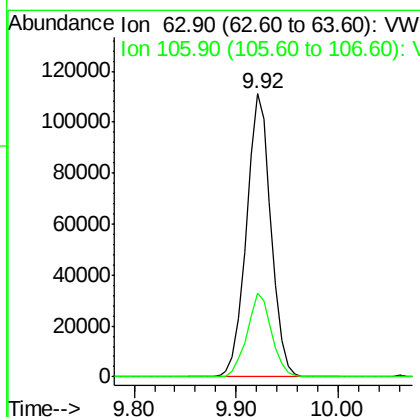
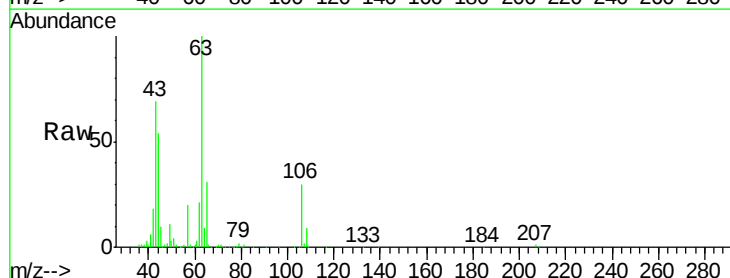
Manual Integrations
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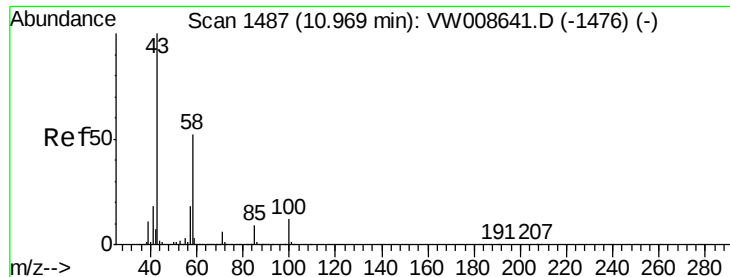
MMDadoda
 2/18/2019 2:34:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.406 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.4	35.2





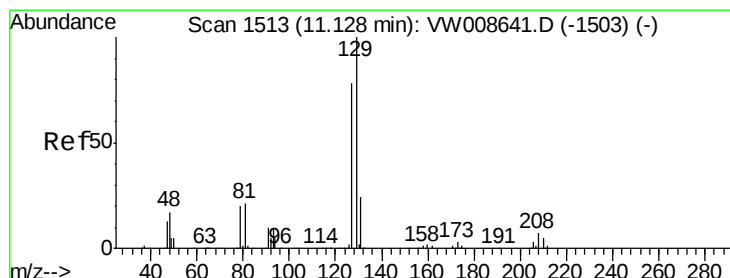
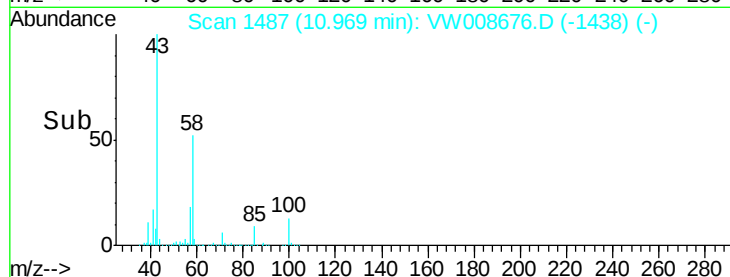
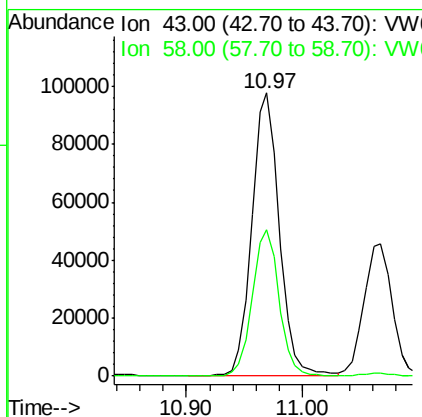
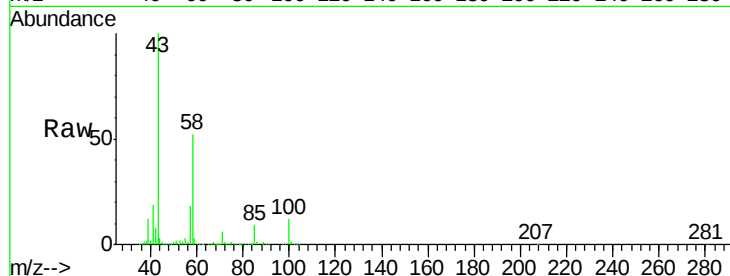
#59
2-Hexanone
Concen: 77.656 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion: 43 Resp: 161220
Ion Ratio Lower Upper
43 100
58 50.4 25.6 76.6

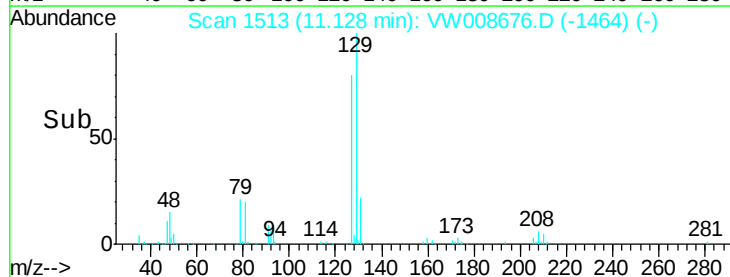
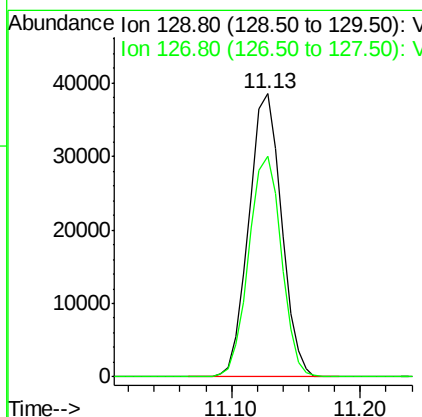
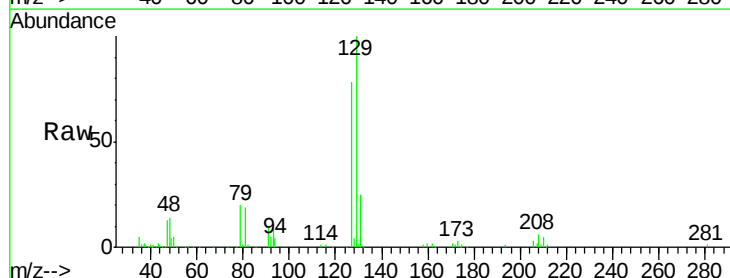
Manual Integrations
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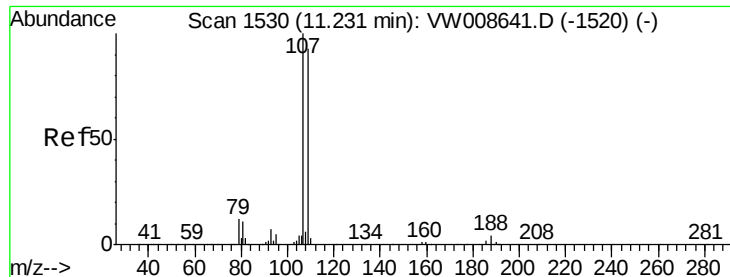
MMDadoda
2/18/2019 2:34:30 PM



#60
Dibromochloromethane
Concen: 18.448 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion: 129 Resp: 67447
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





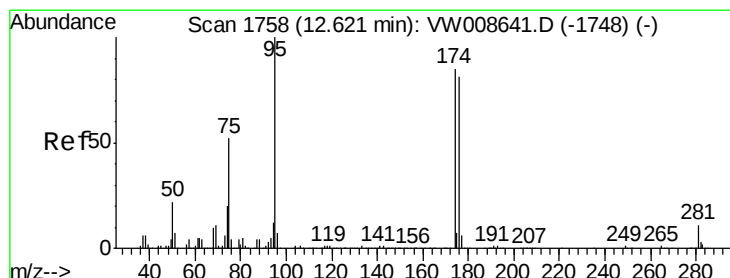
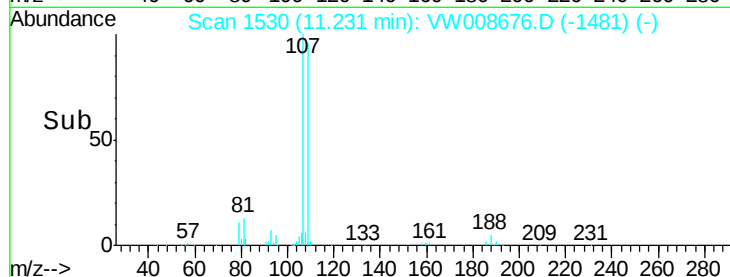
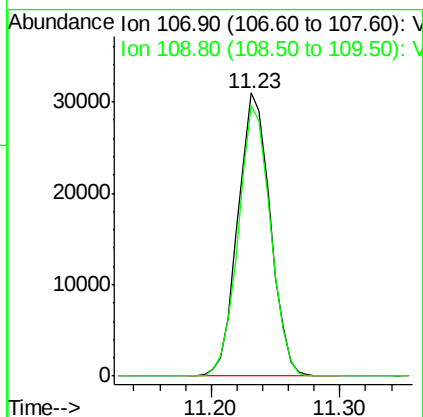
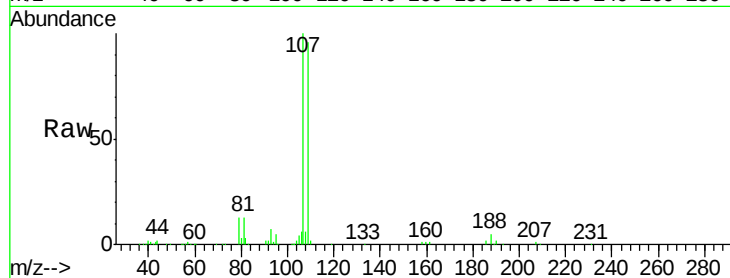
#61
 1,2-Dibromoethane
 Concen: 17.906 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.8	112.2

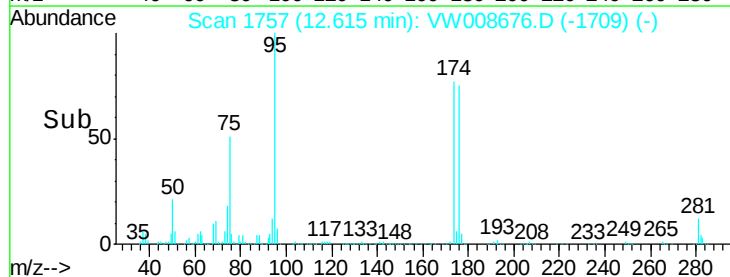
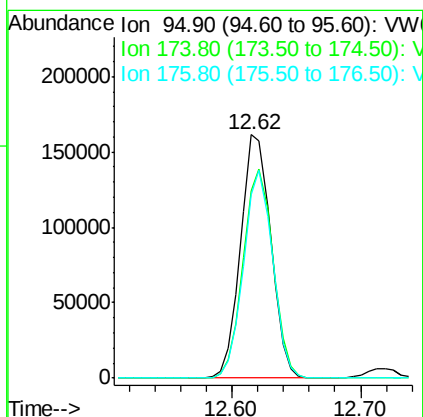
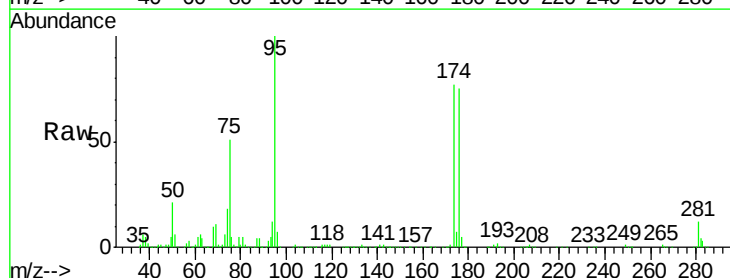
Manual Integrations
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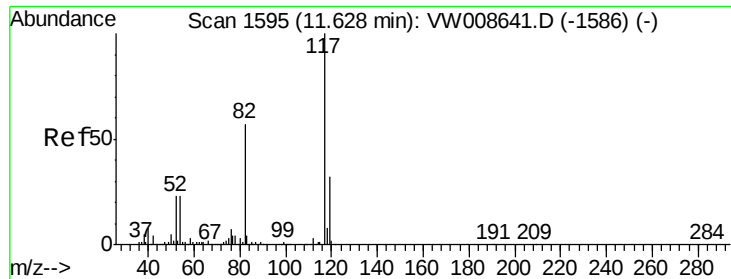
MMDadoda
 2/18/2019 2:34:30 PM



#62
 4-Bromofluorobenzene
 Concen: 48.858 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	163.2
176	81.9	0.0	158.0





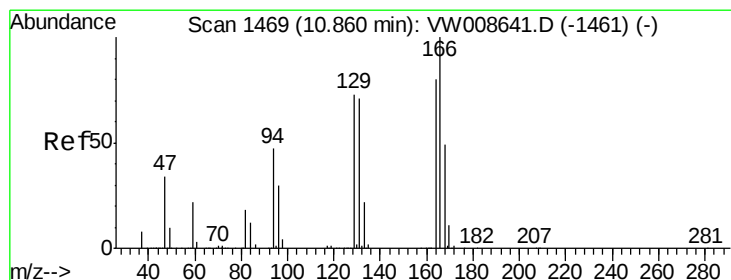
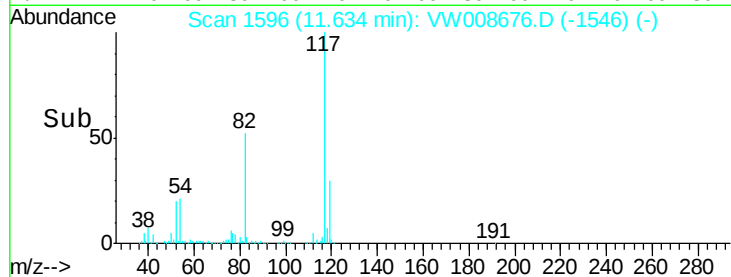
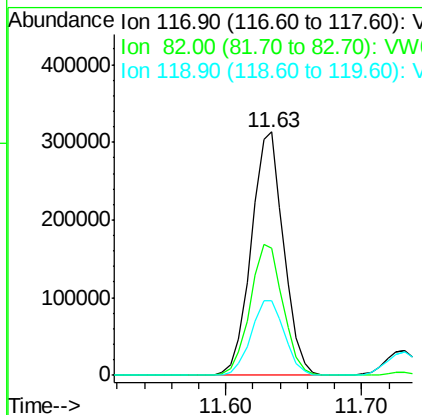
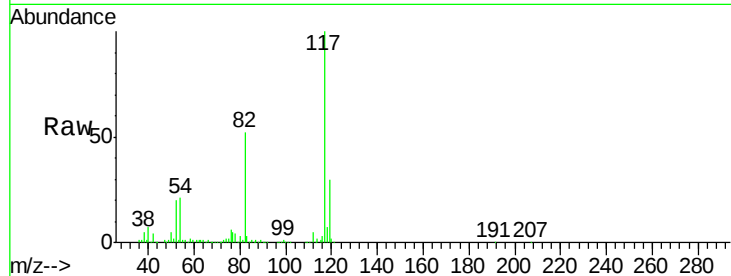
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	521010		
82	52.1		45.6	68.4
119	30.4		25.7	38.5

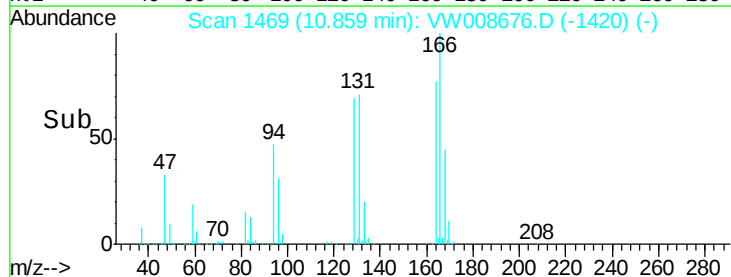
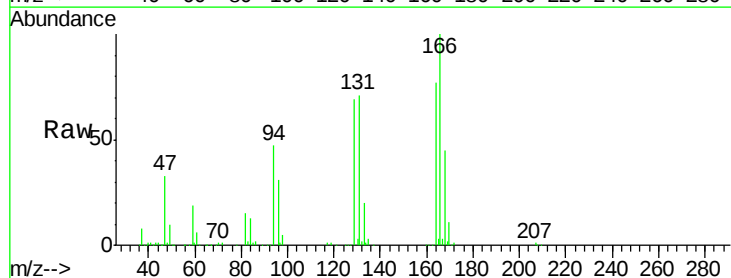
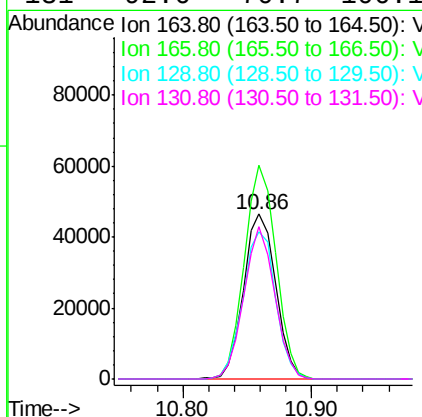
Manual Integrations
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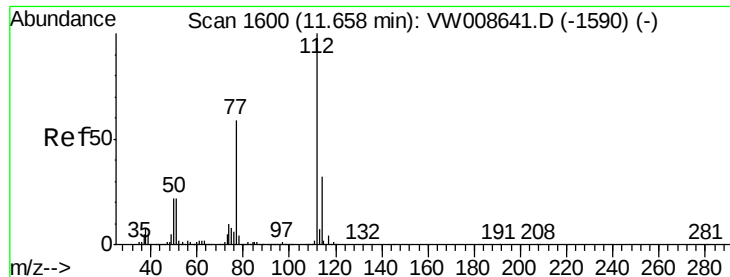
MMDadoda
2/18/2019 2:34:30 PM



#64
Tetrachloroethene
Concen: 20.668 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80076		
166	129.7		100.2	150.2
129	89.4		73.6	110.4
131	92.6		70.7	106.1





#65

Chlorobenzene

Concen: 20.441 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion:112 Resp: 229546

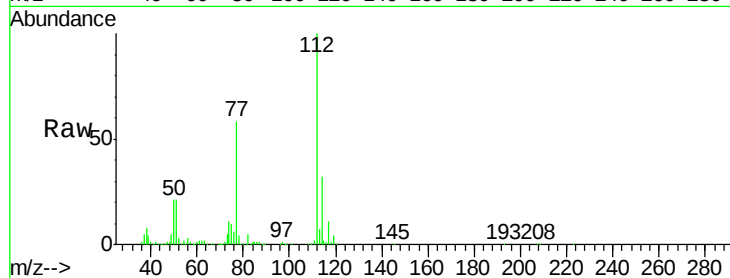
Ion Ratio Lower Upper

112 100

114 32.5 25.7 38.5

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

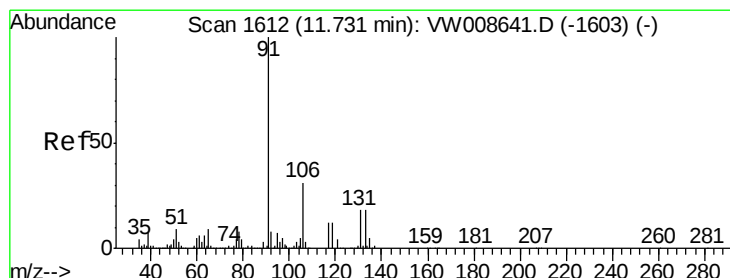
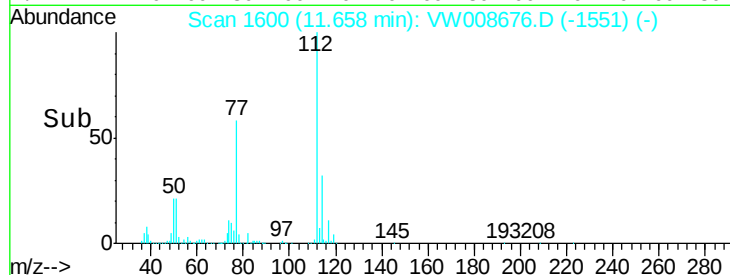
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.737 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

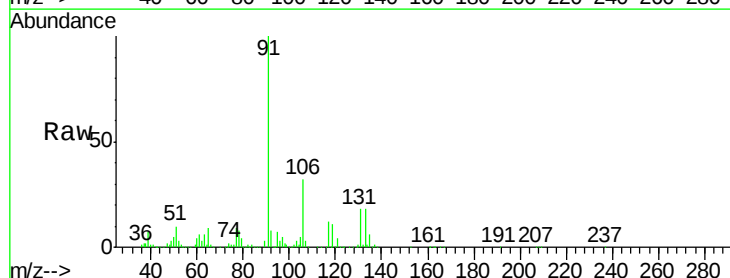
Tgt Ion:131 Resp: 78515

Ion Ratio Lower Upper

131 100

133 97.2 47.8 143.4

119 64.7 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

120000

100000

80000

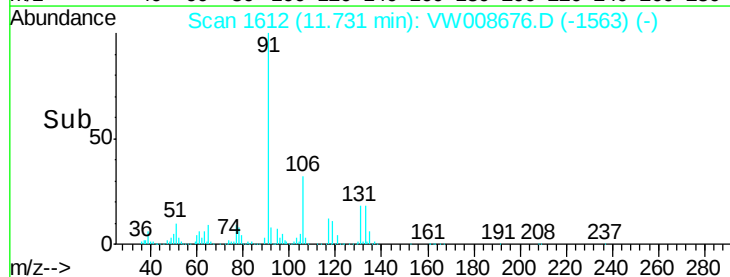
60000

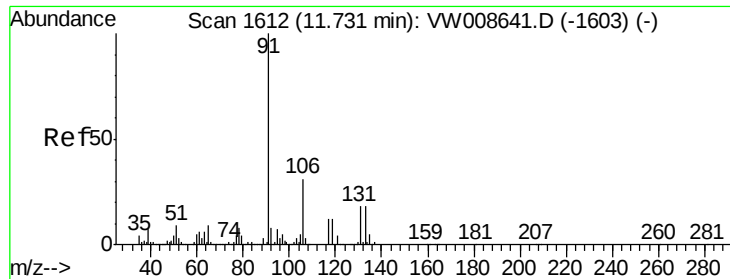
40000

20000

0

Time-->





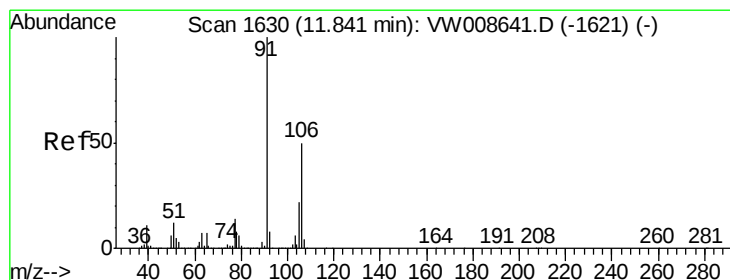
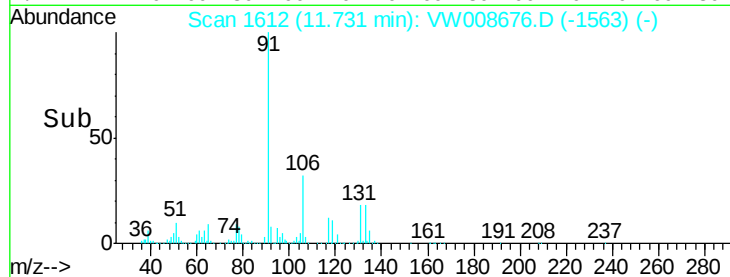
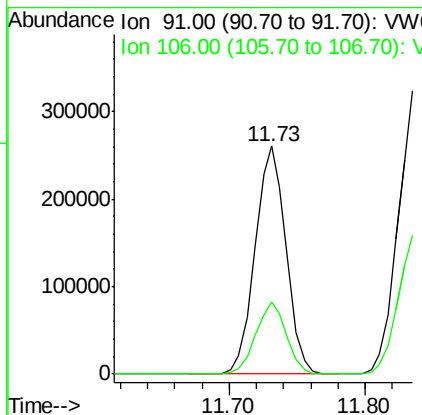
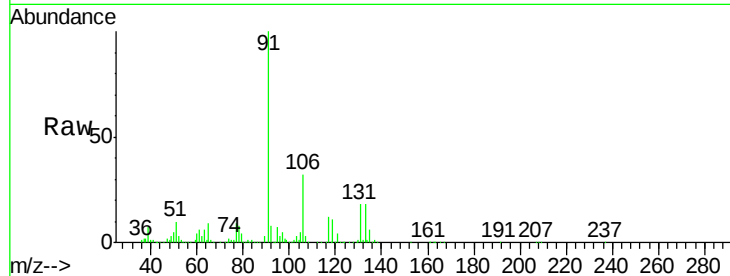
#67
Ethyl Benzene
Concen: 20.741 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.8	24.5	36.7	

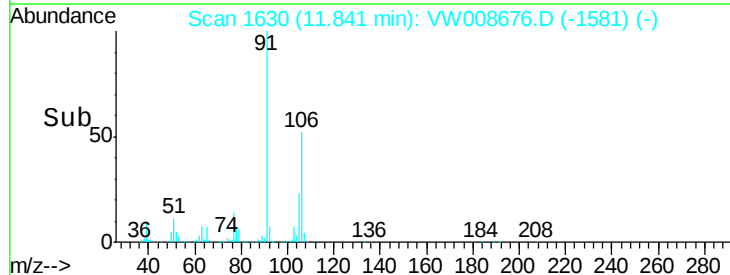
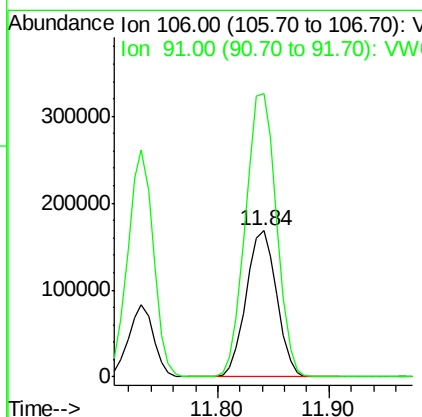
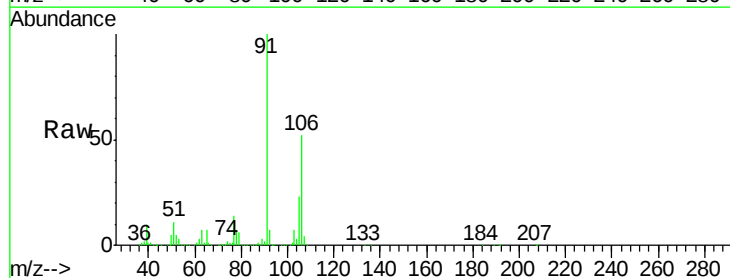
Manual Integrations
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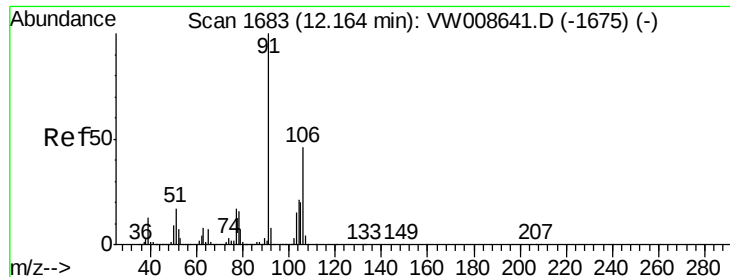
MMDadoda
2/18/2019 2:34:30 PM



#68
m/p-Xylenes
Concen: 41.387 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	196.5	161.0	241.4	





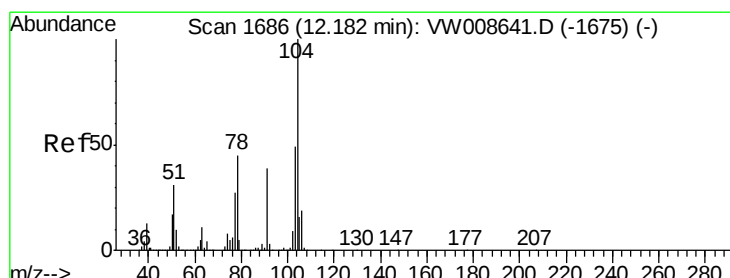
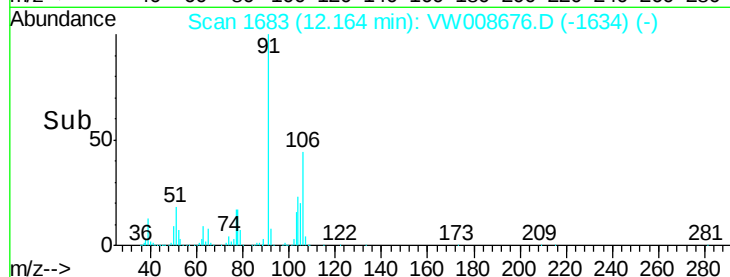
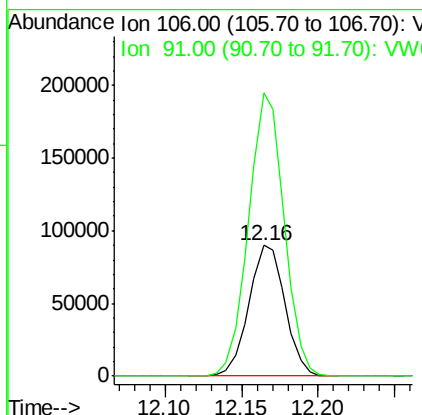
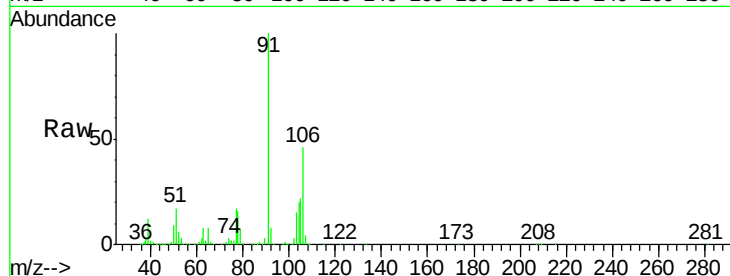
#69
o-Xylene
Concen: 20.092 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	147816		
91	91	213.3	106.7	320.1	

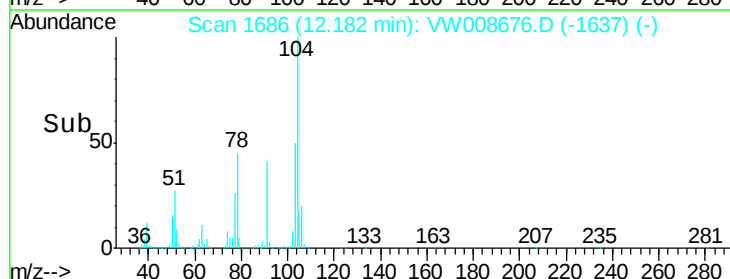
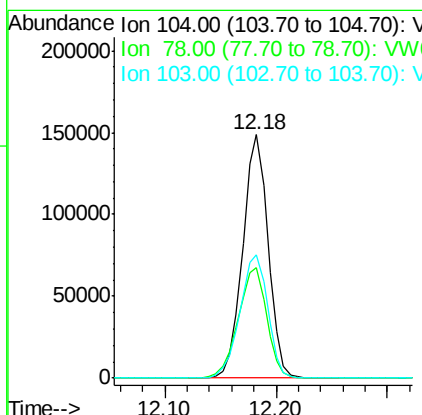
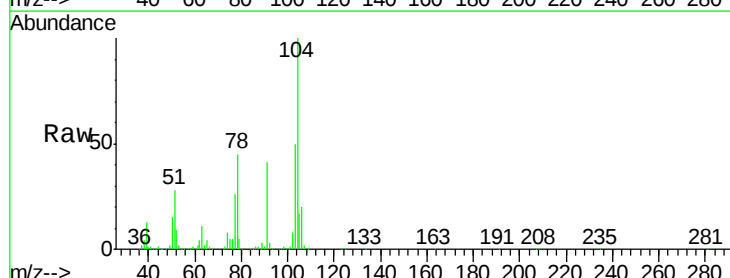
Manual Integrations
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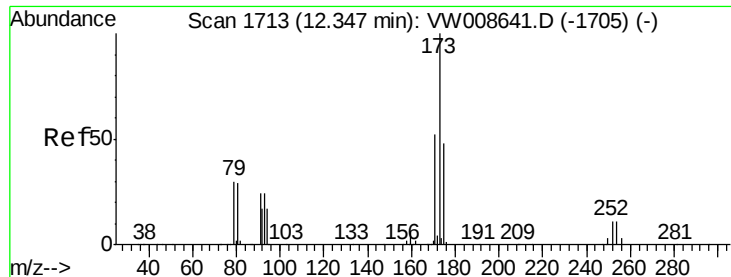
MMDadoda
2/18/2019 2:34:30 PM



#70
Styrene
Concen: 19.573 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	235201		
78	78	50.9	41.5	62.3	
103	103	55.6	43.5	65.3	





#71

Bromoform

Concen: 18.175 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion:173 Resp: 38957

Ion Ratio Lower Upper

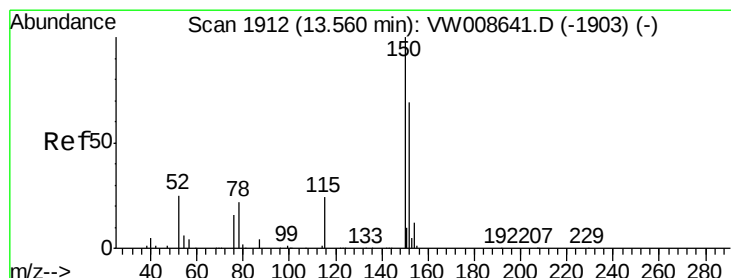
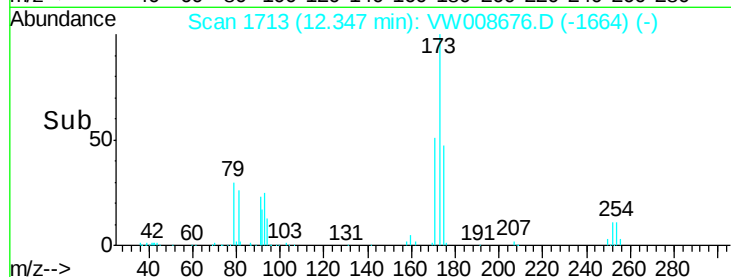
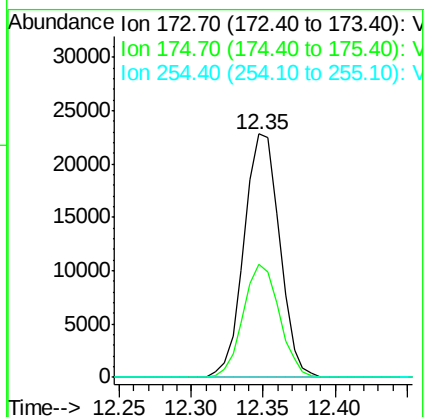
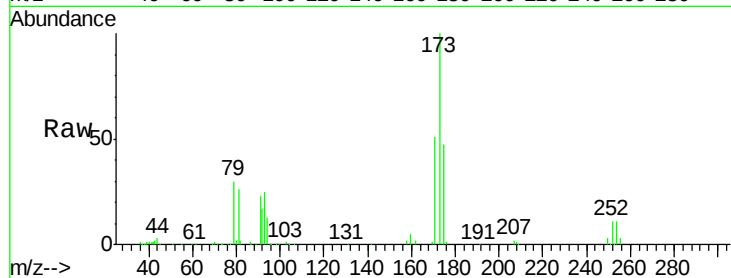
173 100

175 47.4 24.9 74.7

254 0.0 0.1 0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

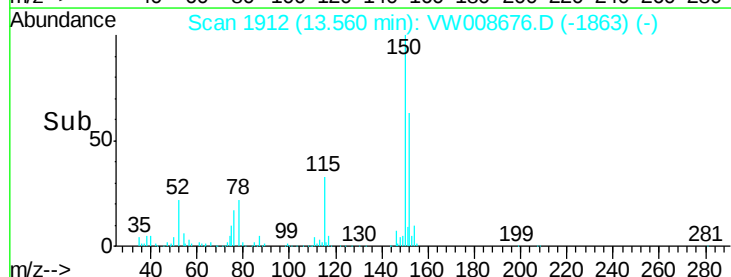
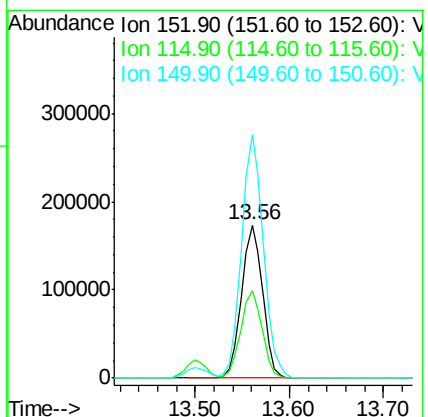
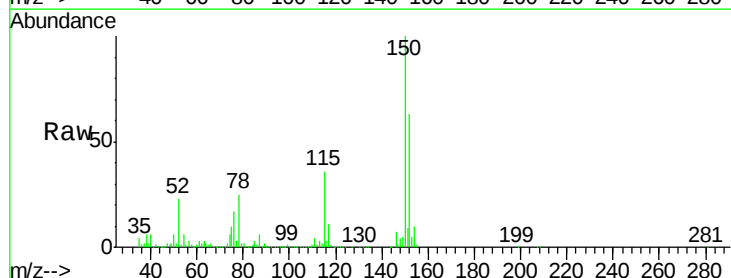
Tgt Ion:152 Resp: 270395

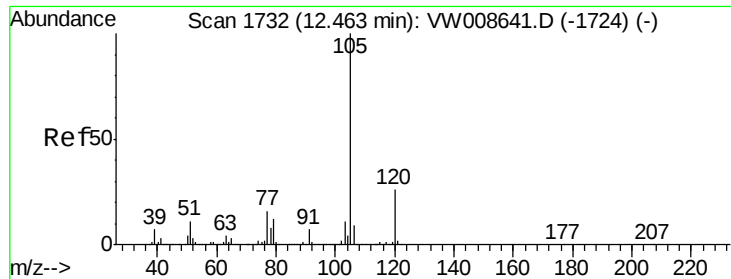
Ion Ratio Lower Upper

152 100

115 57.4 29.3 87.8

150 165.0 0.0 352.8





#73

Isopropylbenzene

Concen: 20.797 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion:105 Resp: 418880

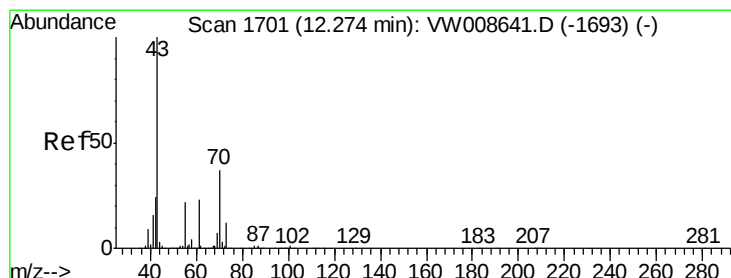
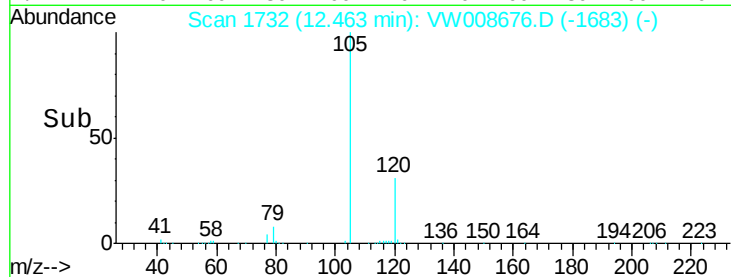
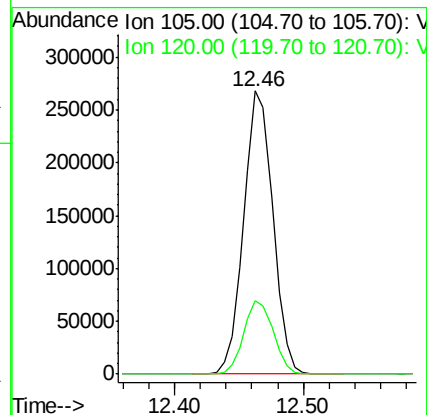
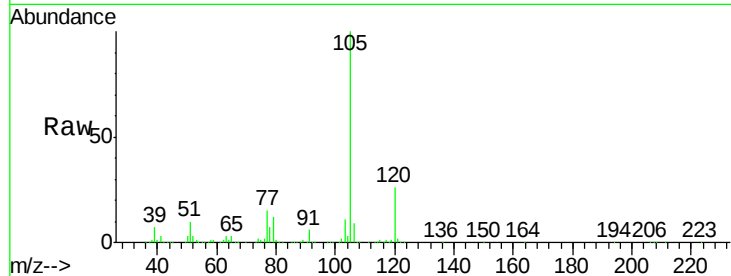
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6

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2/18/2019 2:34:30 PM



#74

N-ethyl acetate

Concen: 15.814 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion: 43 Resp: 86131

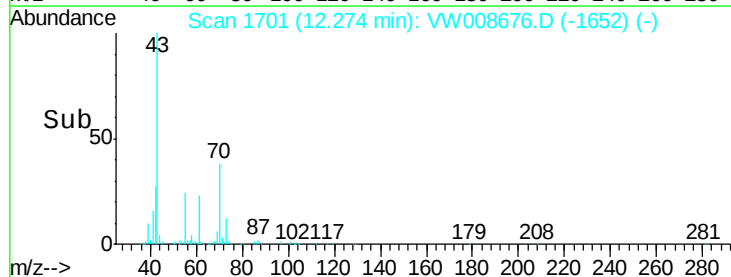
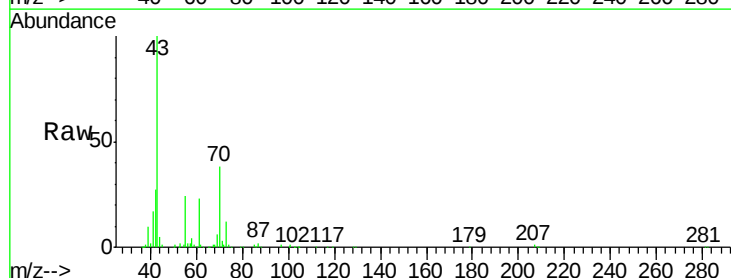
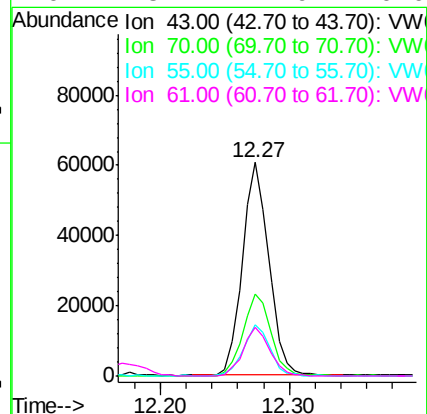
Ion Ratio Lower Upper

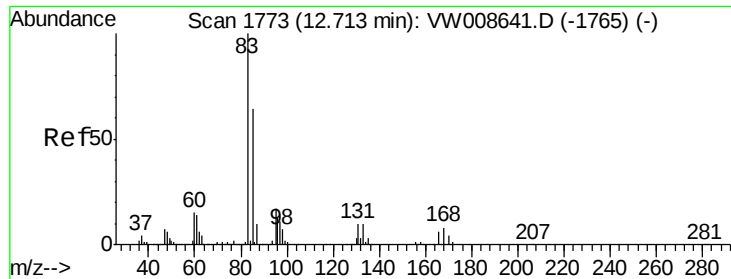
43 100

70 40.7 30.5 45.7

55 24.6 17.6 26.4

61 23.4 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 17.516 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

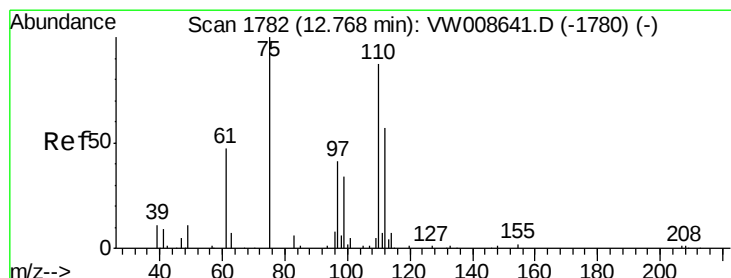
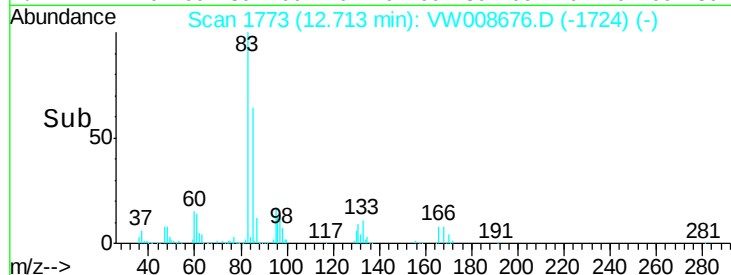
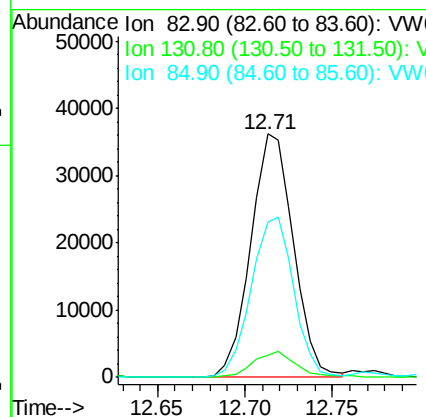
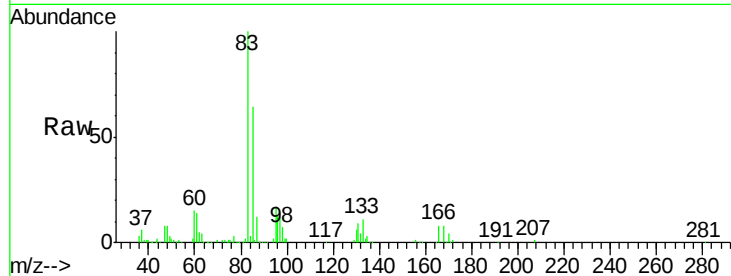
ClientSampleId :

VW0215SBS01

Tot Ion:	83	Resp:	61383
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.7
85	65.9	31.8	95.3

Manual Integrations
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2/18/2019 2:34:30 PM



#76

1,2,3-Trichloropropane

Concen: 19.720 ug/l m

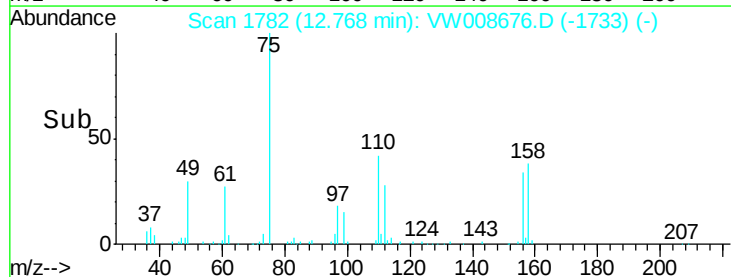
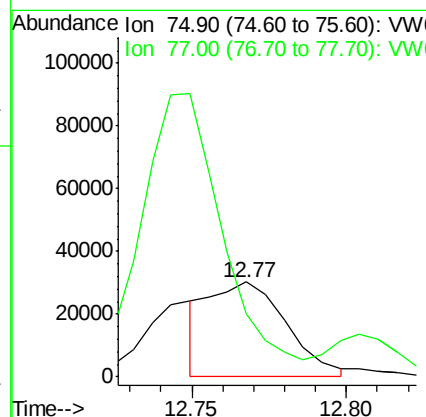
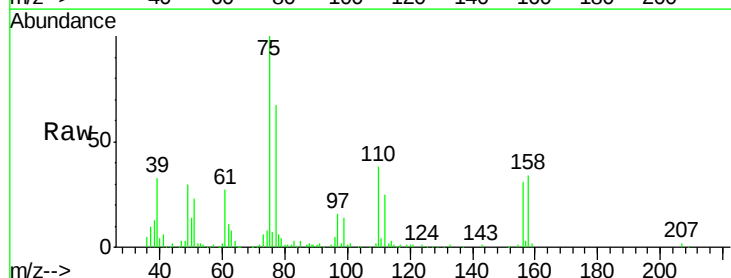
RT: 12.77 min Scan# 1782

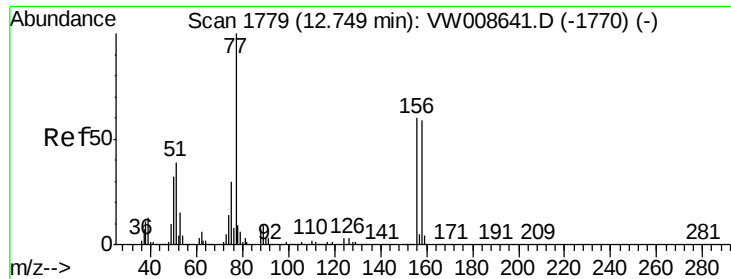
Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion:	75	Resp:	52653
Ion Ratio	Lower	Upper	
75	100		
77	318.6	0.0	0.0#





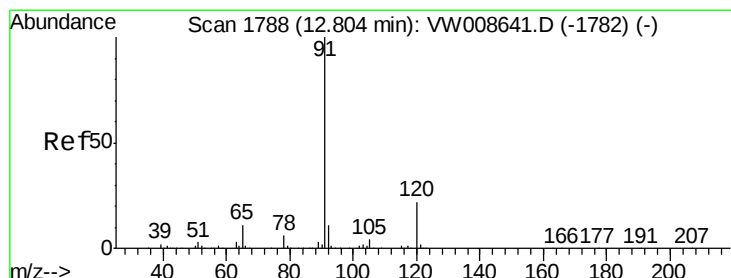
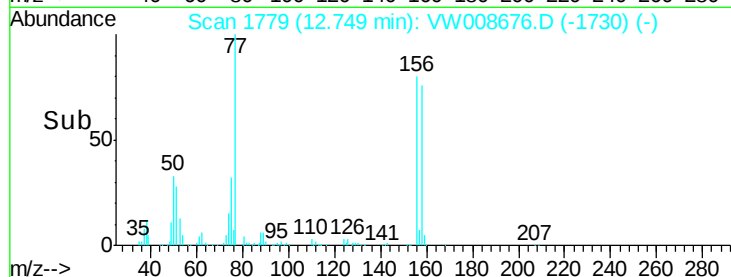
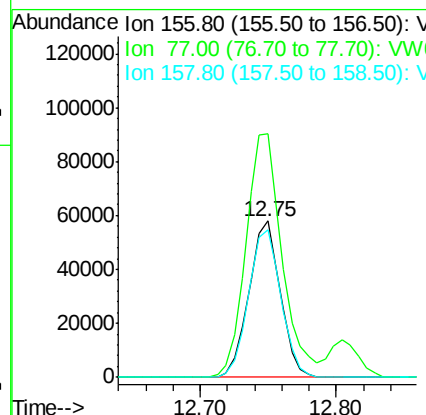
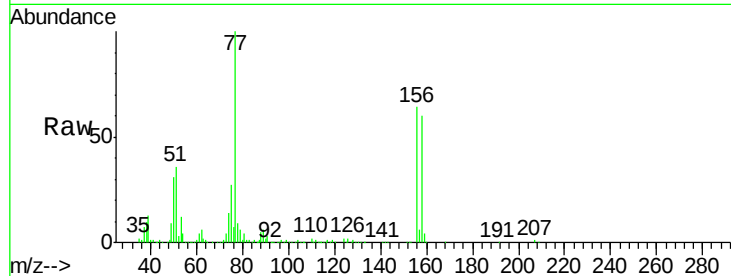
#77
Bromobenzene
Concen: 20.222 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.2	93.2	279.5
158	97.6	48.5	145.5

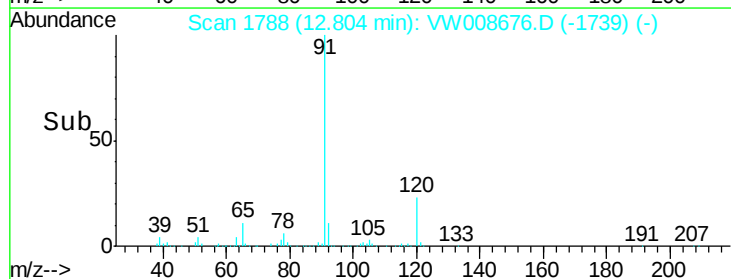
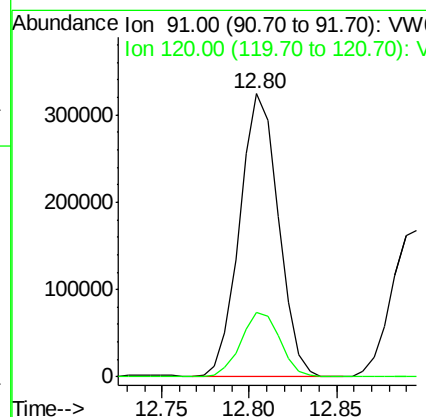
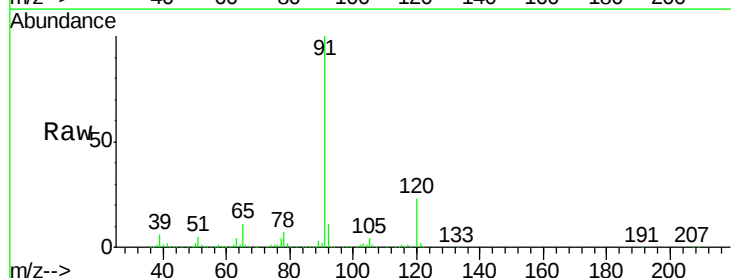
Manual Integrations
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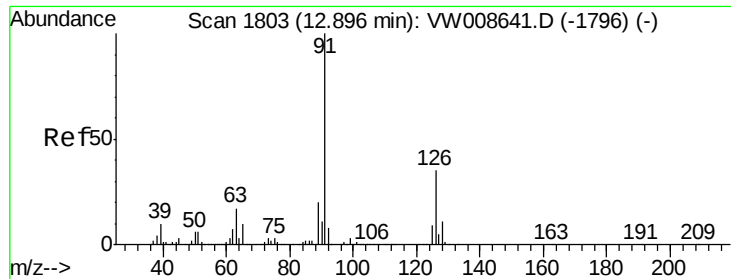
MMDadoda
2/18/2019 2:34:30 PM



#78
n-propylbenzene
Concen: 20.944 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.4	34.2





#79

2-Chlorotoluene

Concen: 20.592 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 91 Resp: 278515

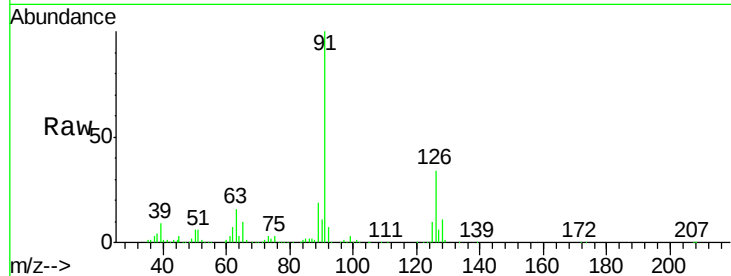
Ion Ratio Lower Upper

91 100

126 34.0 17.0 50.9

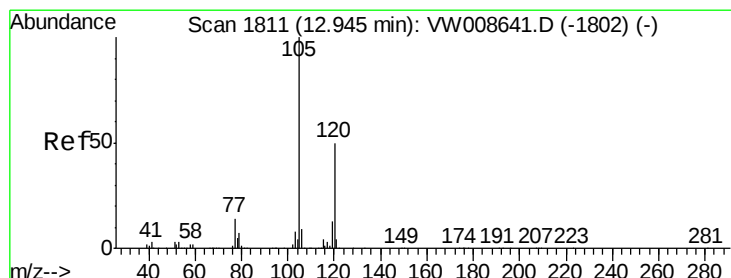
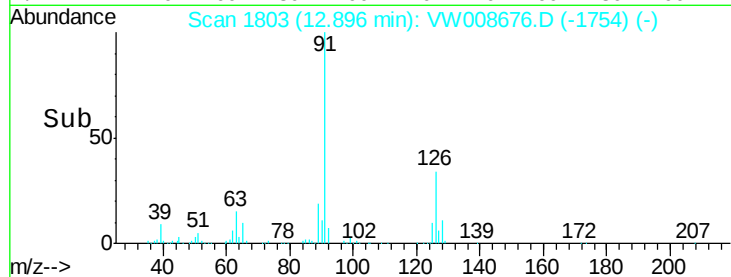
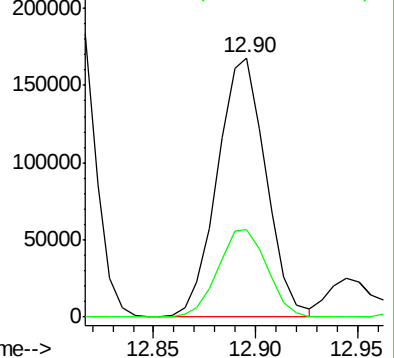
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.671 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008676.D

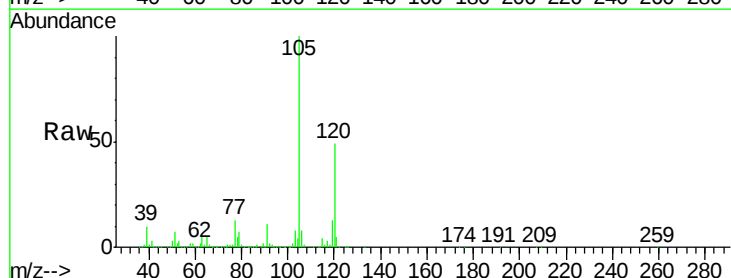
Acq: 15 Feb 2019 11:30

Tgt Ion: 105 Resp: 345818

Ion Ratio Lower Upper

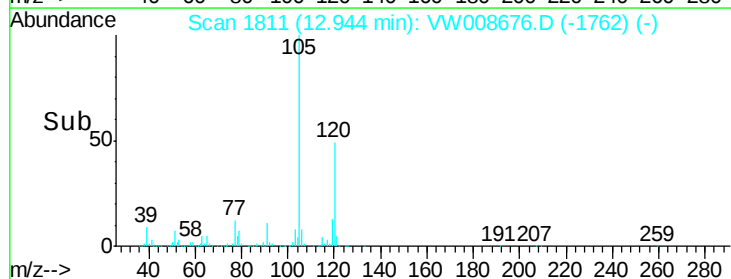
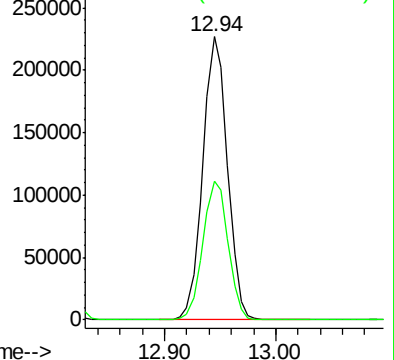
105 100

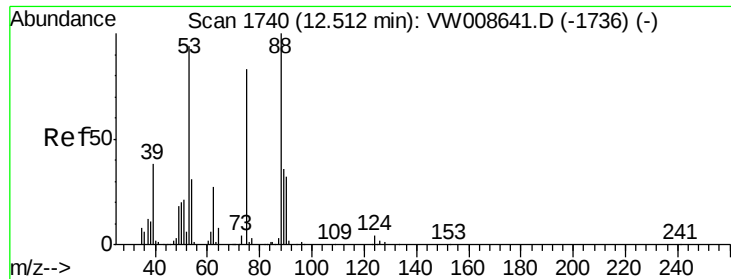
120 50.3 24.6 73.8



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: 16.608 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

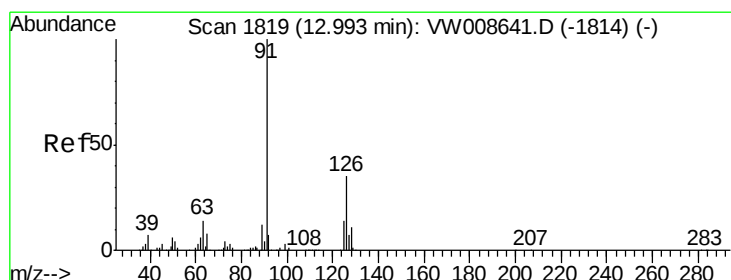
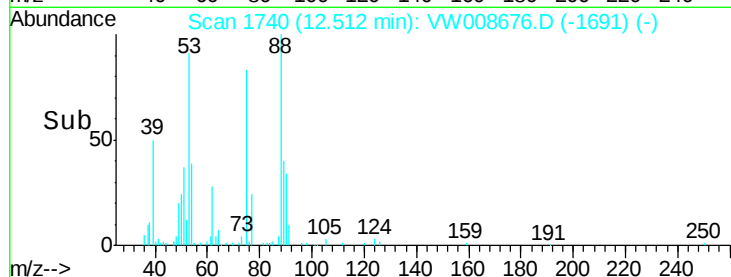
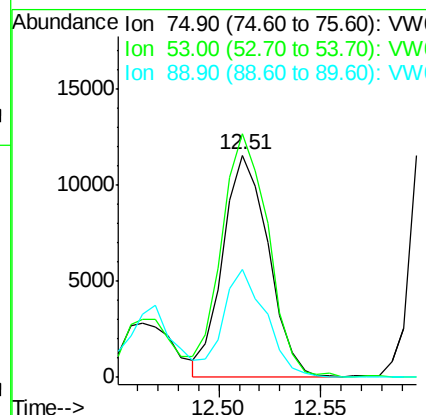
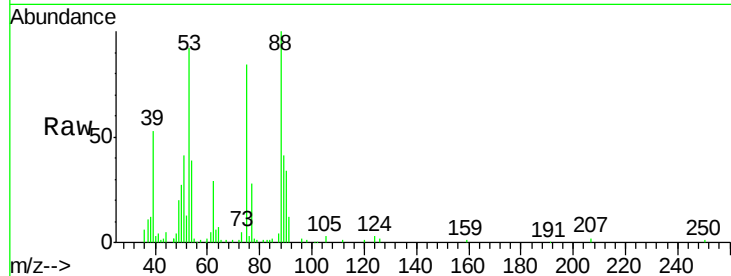
ClientSampleId :

VW0215SBS01

Tot Ion:	75	Resp:	17966
Ion	Ratio	Lower	Upper
75	100		
53	113.8	87.4	131.0
89	46.3	37.0	55.4

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#82

4-Chlorotoluene

Concen: 20.056 ug/l

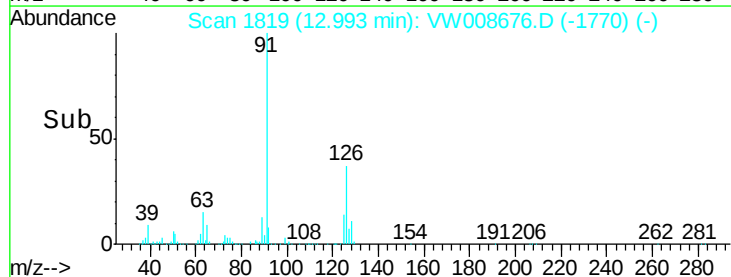
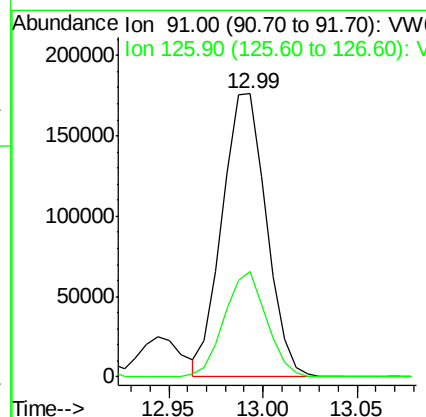
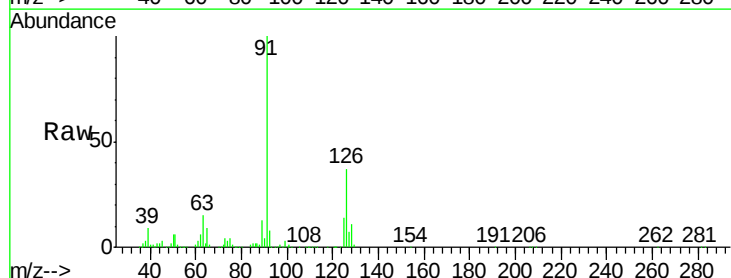
RT: 12.99 min Scan# 1819

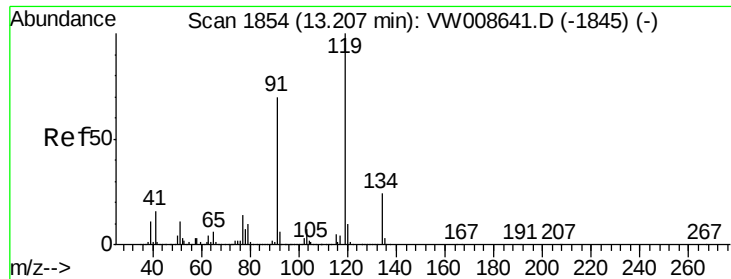
Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion:	91	Resp:	287477
Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.9	50.7





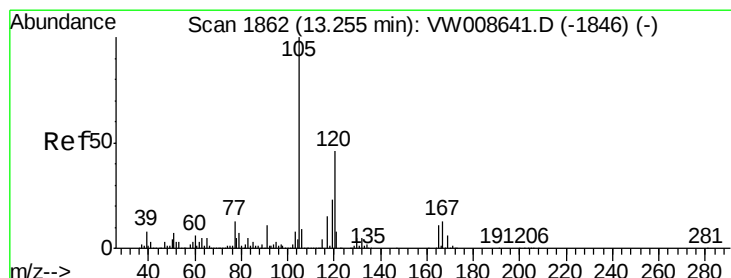
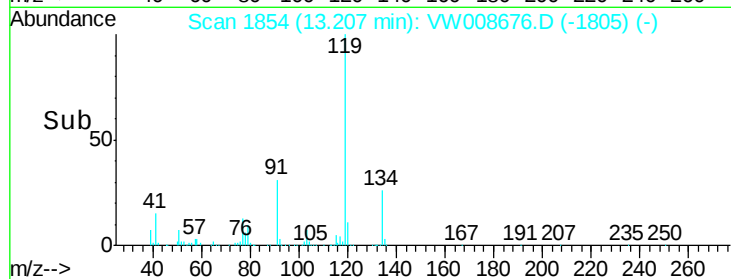
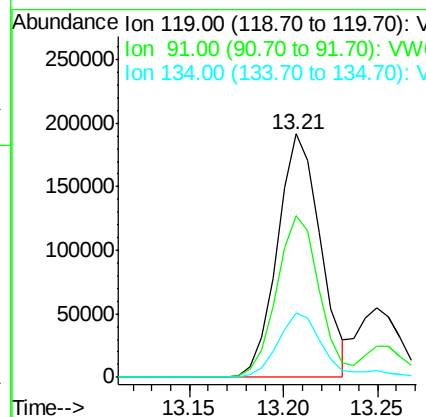
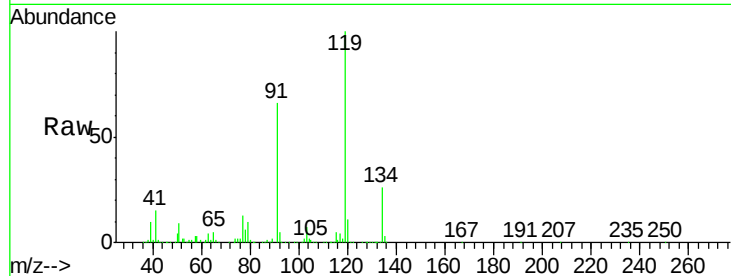
#83
tert-Butylbenzene
Concen: 20.890 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	34.0	102.0
134	28.5	13.6	40.8

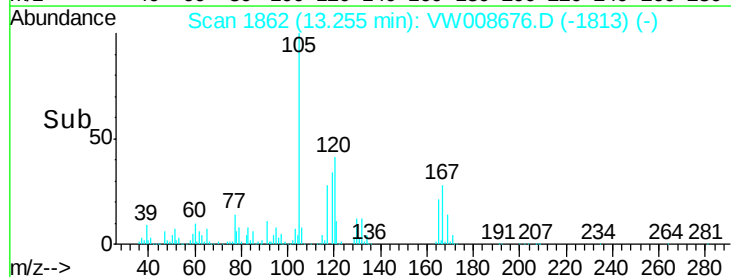
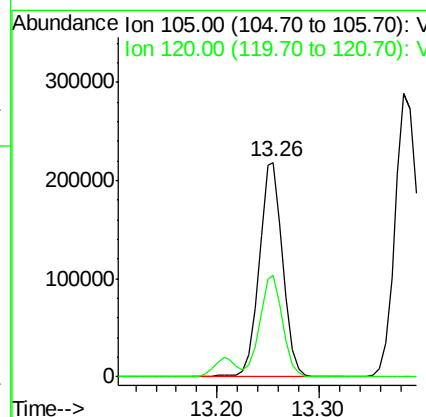
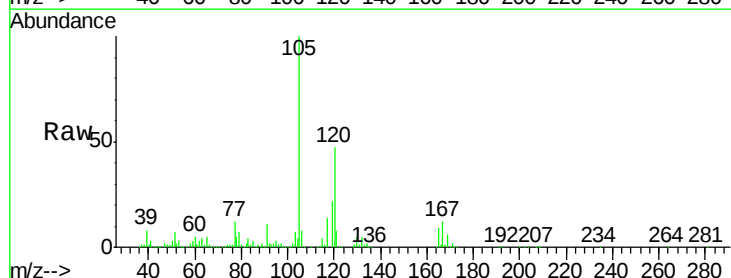
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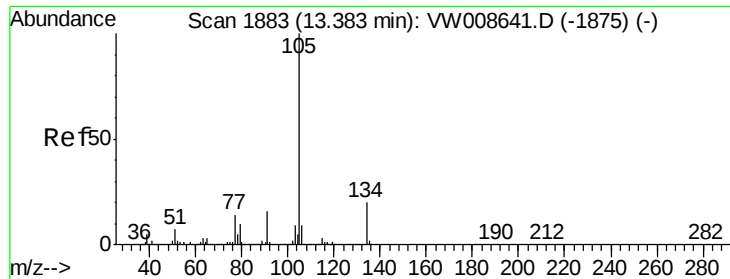
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#84
1,2,4-Trimethylbenzene
Concen: 20.434 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8





#85

sec-Butylbenzene

Concen: 21.073 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion:105 Resp: 445733

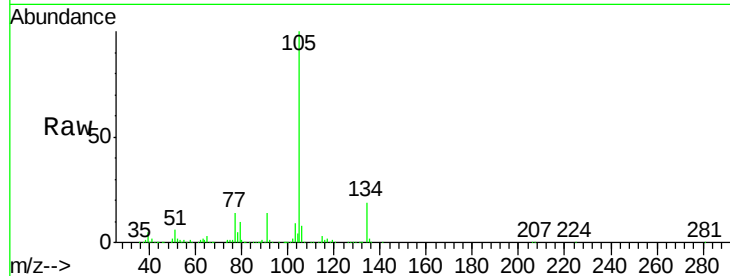
Ion Ratio Lower Upper

105 100

134 20.2 10.3 30.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

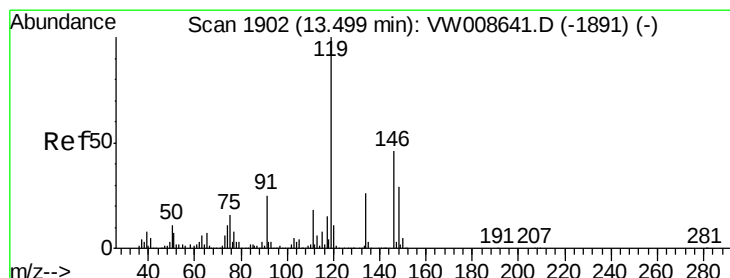
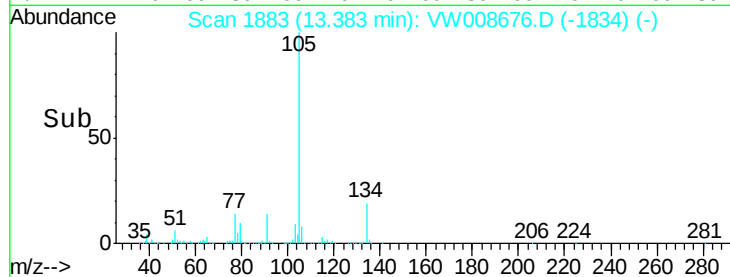
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.851 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

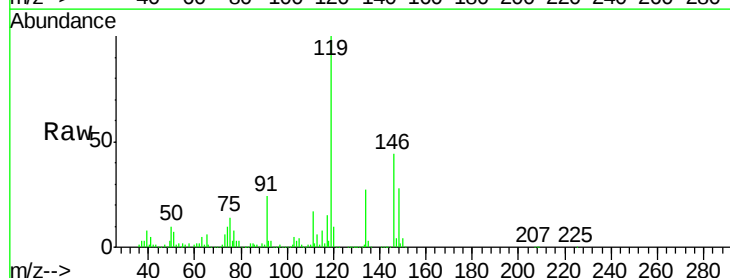
Tgt Ion:119 Resp: 394539

Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

91 23.9 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

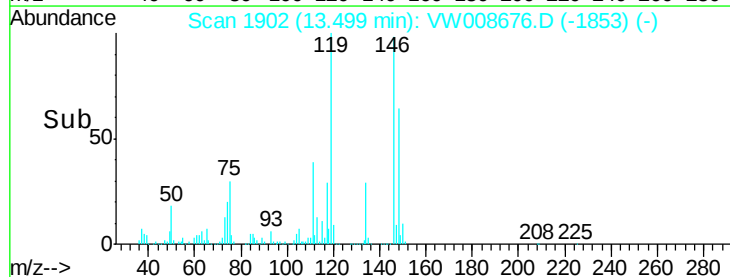
300000

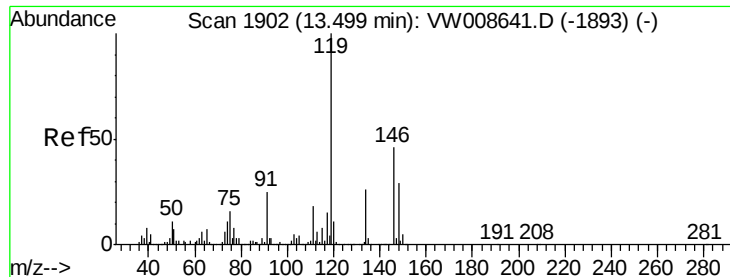
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.184 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

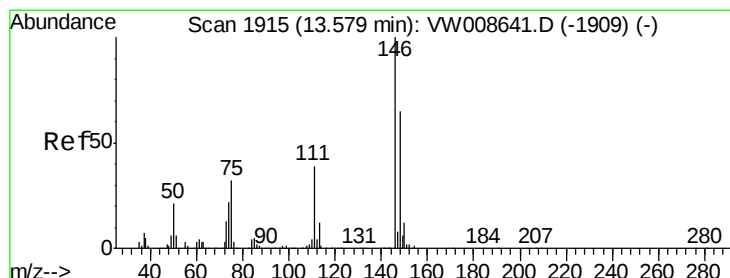
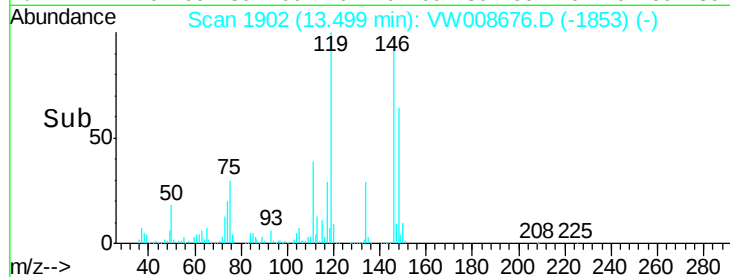
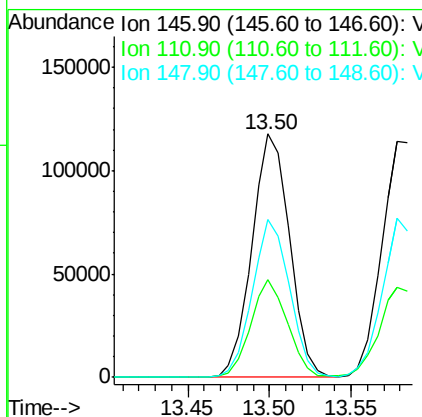
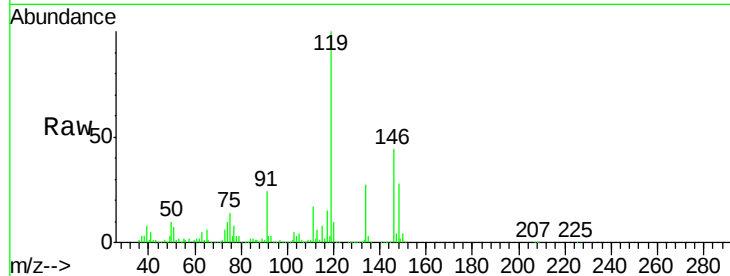
Instrument :
MSVOA_W

ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189435		
111	39.1	19.4	58.1	
148	64.2	31.6	94.8	

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#88

1,4-Dichlorobenzene

Concen: 20.326 ug/l

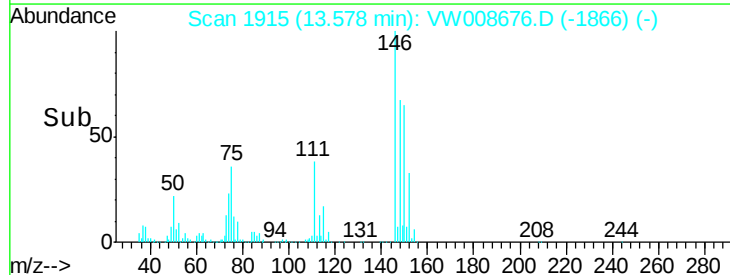
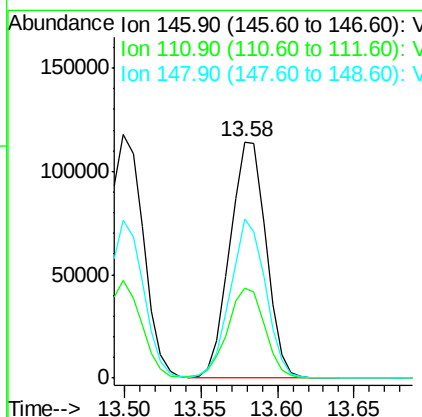
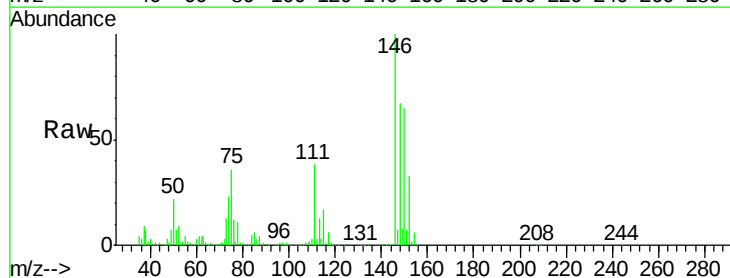
RT: 13.58 min Scan# 1915

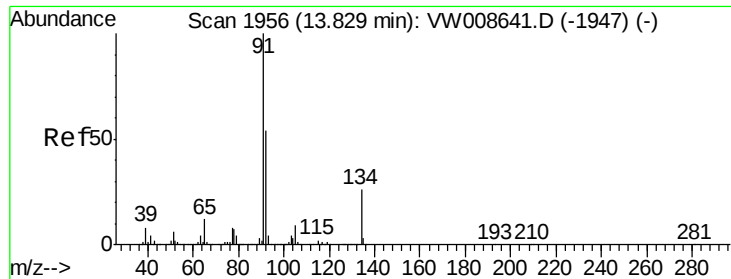
Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	188010		
111	39.5	19.4	58.1	
148	65.4	31.8	95.4	





#89

n-Butylbenzene

Concen: 20.703 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

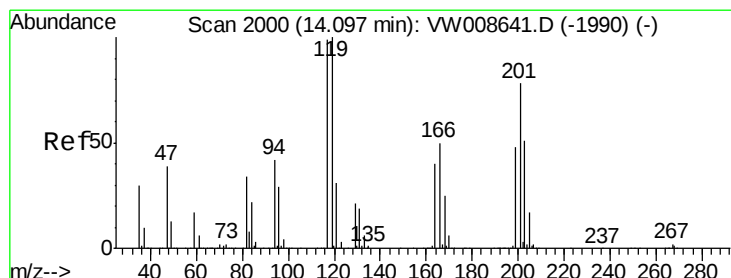
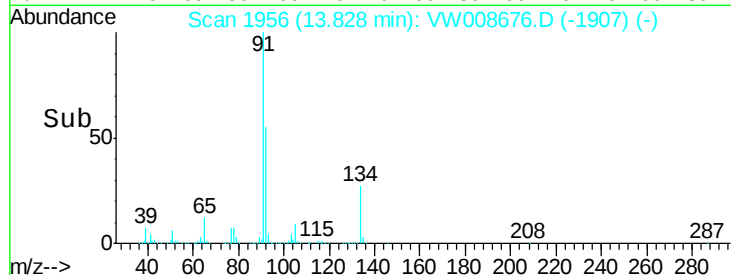
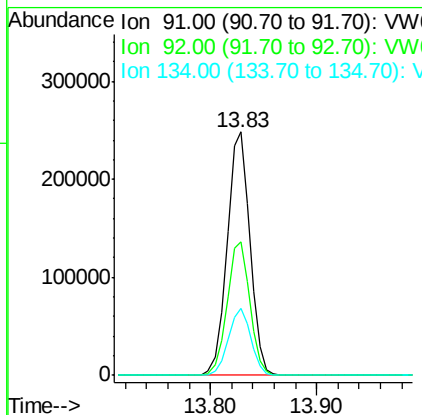
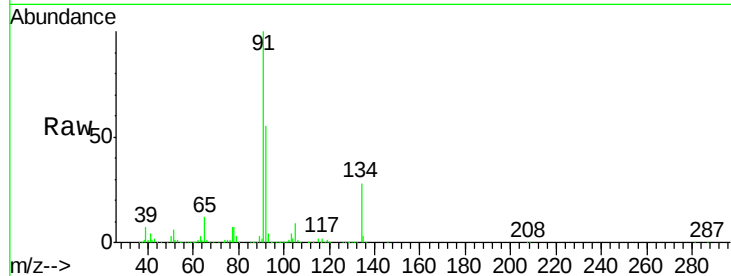
ClientSampleId :

VW0215SBS01

Tot Ion:	91	Resp:	372262
Ion Ratio	Lower	Upper	
91	100		
92	54.6	26.8	80.4
134	27.1	13.0	39.0

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#90

Hexachloroethane

Concen: 20.723 ug/l

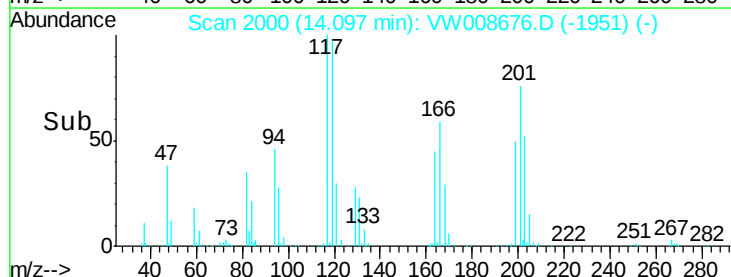
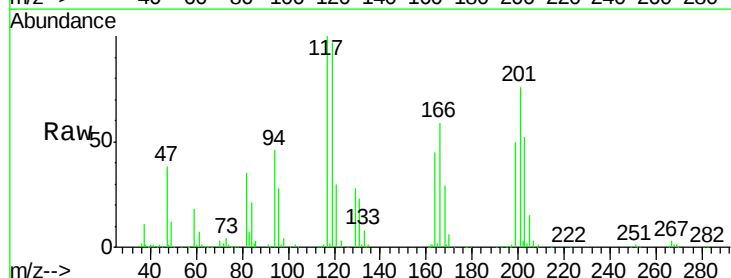
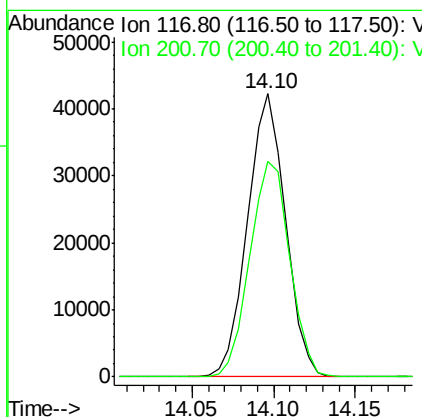
RT: 14.10 min Scan# 2000

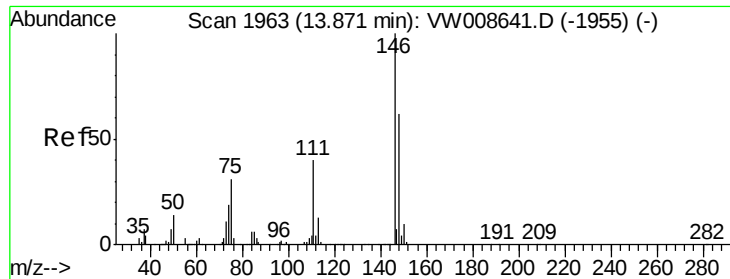
Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion:	117	Resp:	68508
Ion Ratio	Lower	Upper	
117	100		
201	79.7	38.7	116.1





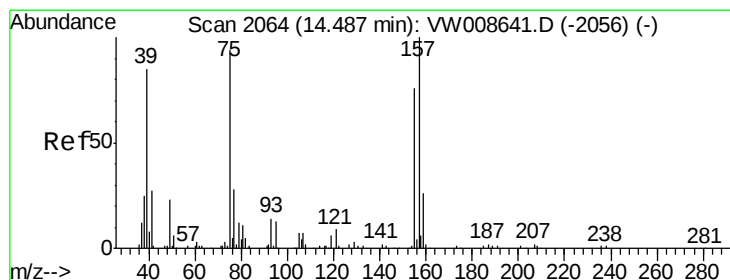
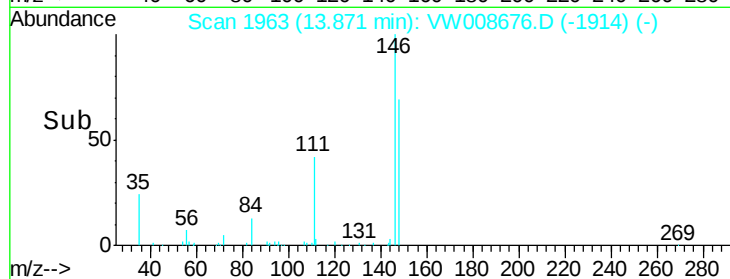
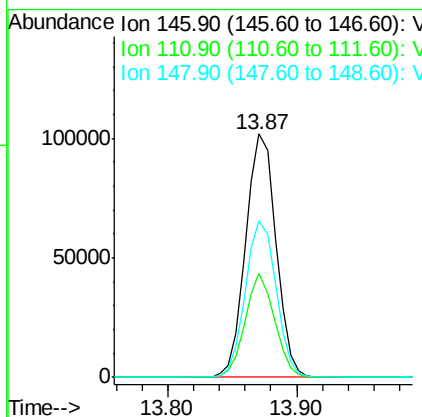
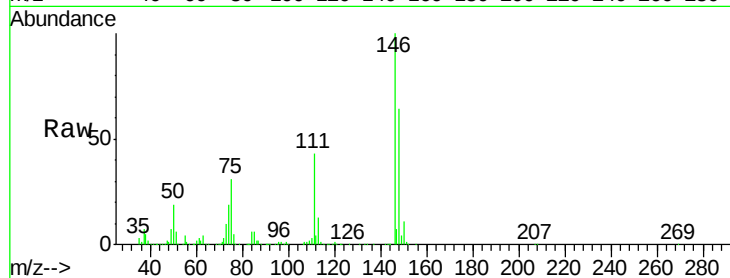
#91
 1,2-Dichlorobenzene
 Concen: 19.839 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Instrument :
 MSVOA_W
 ClientSampled :
 VW0215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164969		
111	41.3	20.5	61.5	
148	65.2	31.6	94.8	

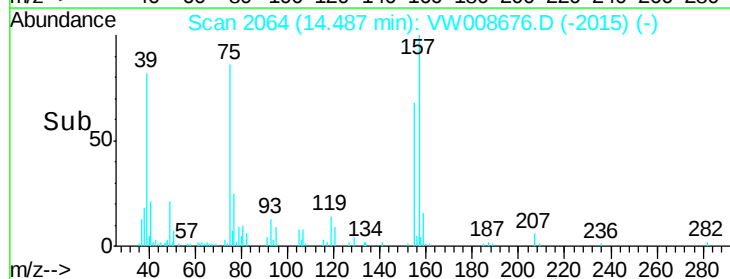
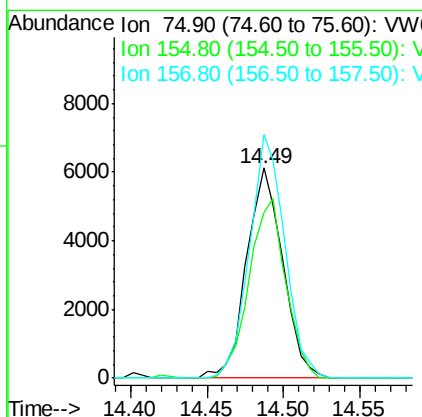
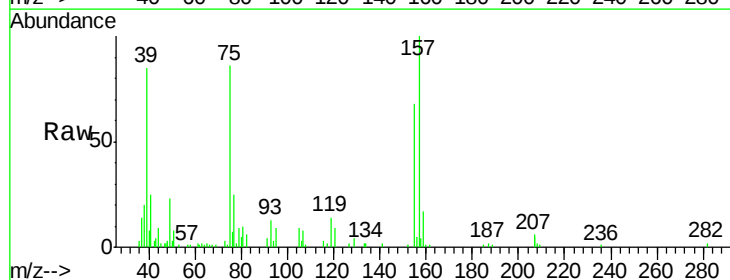
Manual Integrations
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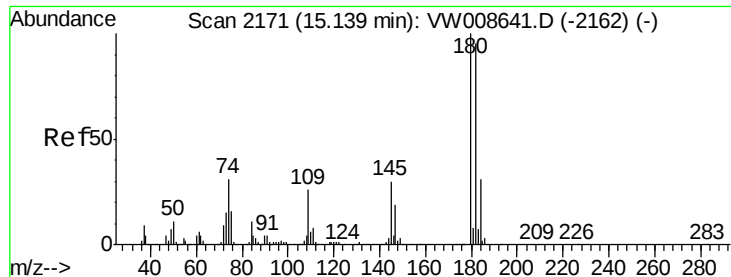
MMDadoda
 2/18/2019 2:34:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.563 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008676.D
 Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10086		
155	86.1	41.8	125.4	
157	113.0	53.8	161.4	





#93

1,2,4-Trichlorobenzene

Concen: 20.221 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Instrument :

MSVOA_W

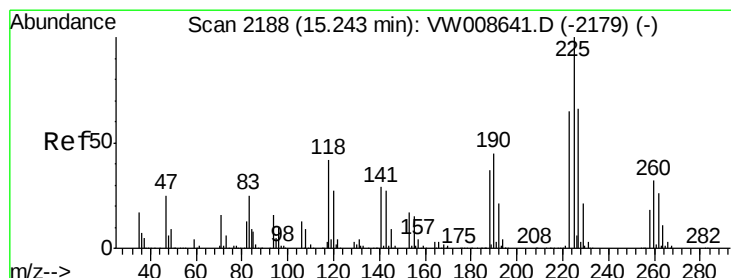
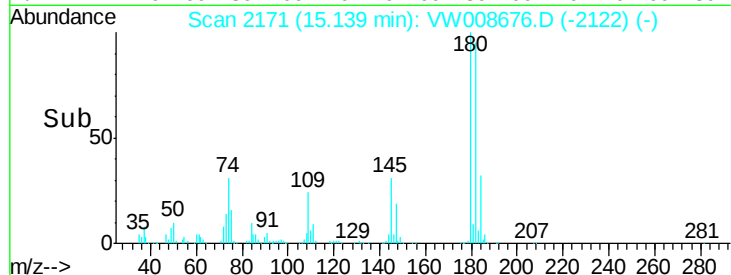
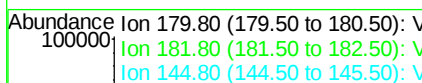
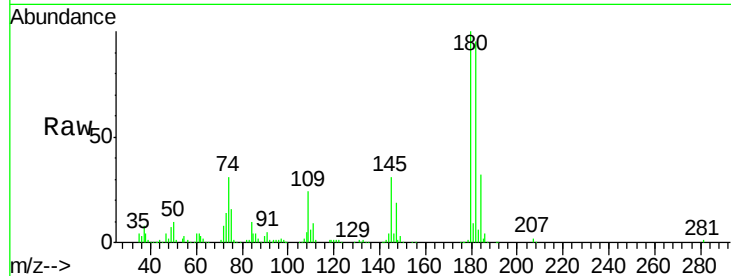
ClientSampleId :

VW0215SBS01

Tot Ion:	180	Resp:	119693
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.5	142.5
145	30.4	15.1	45.3

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:30 PM



#94

Hexachlorobutadiene

Concen: 22.521 ug/l

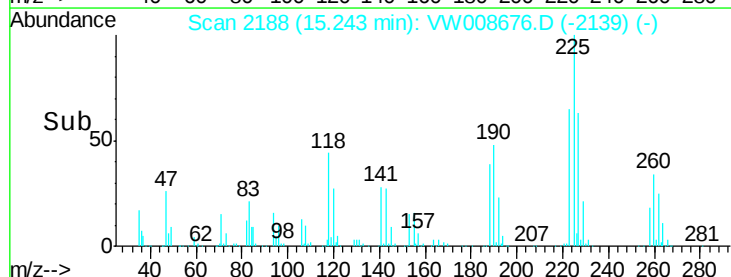
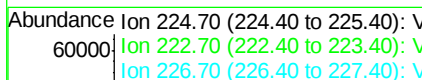
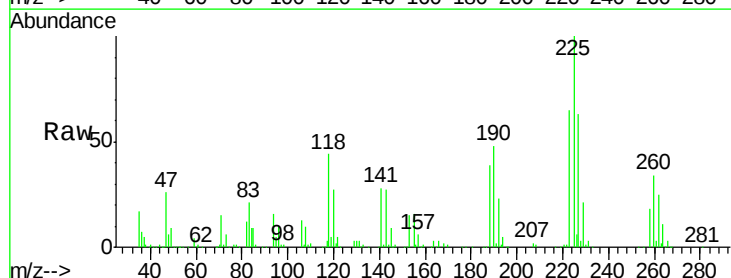
RT: 15.24 min Scan# 2188

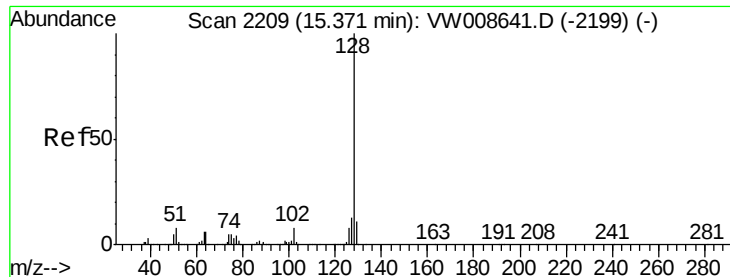
Delta R.T. -0.00 min

Lab File: VW008676.D

Acq: 15 Feb 2019 11:30

Tgt Ion:	225	Resp:	77597
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.4	94.3
227	64.2	32.4	97.0





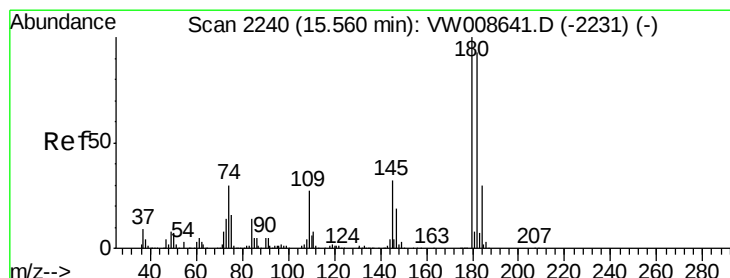
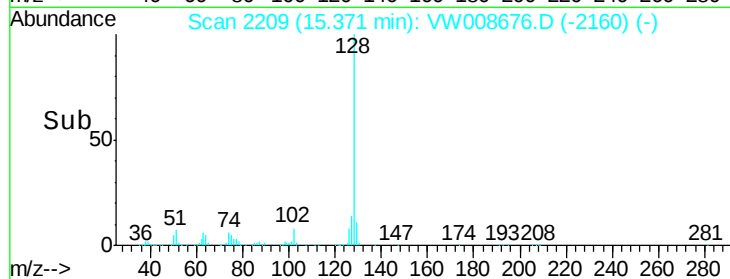
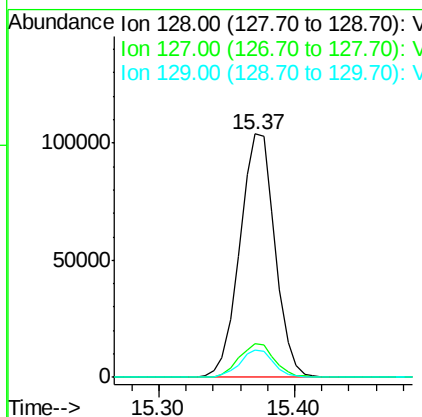
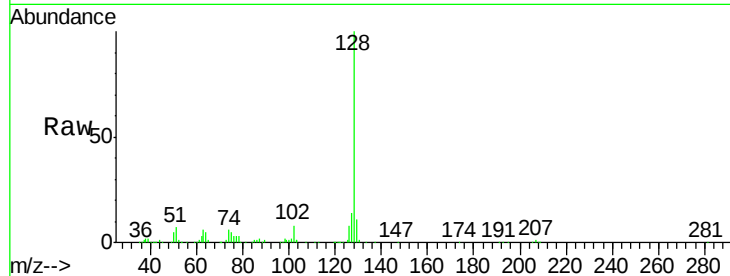
#95
Naphthalene
Concen: 17.678 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.9	10.9	16.3
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.962 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008676.D
Acq: 15 Feb 2019 11:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.7	47.5	142.5
145	31.5	15.9	47.7

